

family.hmm	hmm.length	query.id	query.length	e.val	hmm.start	hmm.end	query.start	query.end	coverage	Species	Group	NewSeqName	Class	SppAbbr	Name2	finalName
GT1	382	AT1G01390.1.1	480	6.20E-33	207	365	230	440	0.413612565	Arabidopsis_thaliana	Plant	GT1_AT1G01390.1.1	Plant	Ath	Ath_AT1G01390.1.1	Ath_AT1G01390.1.1
GT1	382	AT1G01390.2.1	497	6.80E-33	207	365	247	457	0.413612565	Arabidopsis_thaliana	Plant	GT1_AT1G01390.2.1	Plant	Ath	Ath_AT1G01390.2.1	Ath_AT1G01390.2.1
GT1	382	AT1G01420.1.1	481	7.20E-33	220	366	251	440	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT1G01420.1.1	Plant	Ath	Ath_AT1G01420.1.1	Ath_AT1G01420.1.1
GT1	382	AT1G01420.2.1	484	7.30E-33	220	366	254	443	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT1G01420.2.1	Plant	Ath	Ath_AT1G01420.2.1	Ath_AT1G01420.2.1
GT31	192	AT1G01570.1.1	478	6.80E-14	74	190	147	251	0.604166667	Arabidopsis_thaliana	Plant	GT31_AT1G01570.1.1	Plant	Ath	Ath_AT1G01570.1.1	Ath_AT1G01570.1.1
GT31	192	AT1G01570.2.1	509	7.70E-14	74	190	178	282	0.604166667	Arabidopsis_thaliana	Plant	GT31_AT1G01570.2.1	Plant	Ath	Ath_AT1G01570.2.1	Ath_AT1G01570.2.1
AA7	458	AT1G01980.1.1	541	8.40E-87	4	458	69	531	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT1G01980.1.1	Plant	Ath	Ath_AT1G01980.1.1	Ath_AT1G01980.1.1
GT22	389	AT1G02145.1.1	493	3.30E-82	6	360	20	382	0.910025707	Arabidopsis_thaliana	Plant	GT22_AT1G02145.1.1	Plant	Ath	Ath_AT1G02145.1.1	Ath_AT1G02145.1.1
GT22	389	AT1G02145.2.1	332	3.30E-44	31	230	1	216	0.511568123	Arabidopsis_thaliana	Plant	GT22_AT1G02145.2.1	Plant	Ath	Ath_AT1G02145.2.1	Ath_AT1G02145.2.1
GT22	389	AT1G02145.3.1	497	1.10E-82	6	360	20	386	0.910025707	Arabidopsis_thaliana	Plant	GT22_AT1G02145.3.1	Plant	Ath	Ath_AT1G02145.3.1	Ath_AT1G02145.3.1
GT22	389	AT1G02145.4.1	453	1.70E-74	31	360	1	342	0.845758355	Arabidopsis_thaliana	Plant	GT22_AT1G02145.4.1	Plant	Ath	Ath_AT1G02145.4.1	Ath_AT1G02145.4.1
GH5	275	AT1G02310.1.1	411	3.80E-33	6	234	40	366	0.829090909	Arabidopsis_thaliana	Plant	GH5_AT1G02310.1.1	Plant	Ath	Ath_AT1G02310.1.1	Ath_AT1G02310.1.1
GH5	275	AT1G02310.2.1	431	4.50E-33	6	234	60	386	0.829090909	Arabidopsis_thaliana	Plant	GH5_AT1G02310.2.1	Plant	Ath	Ath_AT1G02310.2.1	Ath_AT1G02310.2.1
GH19	231	AT1G02360.1.1	272	5.10E-89	4	231	29	265	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT1G02360.1.1	Plant	Ath	Ath_AT1G02360.1.1	Ath_AT1G02360.1.1
GH19	231	AT1G02360.2.1	318	8.80E-89	4	231	75	311	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT1G02360.2.1	Plant	Ath	Ath_AT1G02360.2.1	Ath_AT1G02360.2.1
GH19	231	AT1G02360.3.1	324	9.40E-89	4	231	81	317	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT1G02360.3.1	Plant	Ath	Ath_AT1G02360.3.1	Ath_AT1G02360.3.1
GH28	325	AT1G02460.1.1	491	1.20E-94	6	307	116	445	0.926153846	Arabidopsis_thaliana	Plant	GH28_AT1G02460.1.1	Plant	Ath	Ath_AT1G02460.1.1	Ath_AT1G02460.1.1
GH3	216	AT1G02640.1.1	768	2.30E-71	2	215	76	323	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT1G02640.1.1	Plant	Ath	Ath_AT1G02640.1.1	Ath_AT1G02640.1.1
GT8	257	AT1G02720.1.1	361	1.60E-45	29	255	80	338	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT1G02720.1.1	Plant	Ath	Ath_AT1G02720.1.1	Ath_AT1G02720.1.1
GT8	257	AT1G02720.2.1	361	1.60E-45	29	255	80	338	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT1G02720.2.1	Plant	Ath	Ath_AT1G02720.2.1	Ath_AT1G02720.2.1
GT2_Cellulose_synt	722	AT1G02730.1.1	1181	0	1	720	402	1179	0.995844875	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT1G02730.1.1	Plant	Ath	Ath_AT1G02730.1.1	Ath_AT1G02730.1.1
GH28	325	AT1G02790.1.1	422	1.10E-88	6	310	77	395	0.935384615	Arabidopsis_thaliana	Plant	GH28_AT1G02790.1.1	Plant	Ath	Ath_AT1G02790.1.1	Ath_AT1G02790.1.1
GH9	418	AT1G02800.1.1	501	3.30E-141	1	418	43	496	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT1G02800.1.1	Plant	Ath	Ath_AT1G02800.1.1	Ath_AT1G02800.1.1
CE8	288	AT1G02810.1.1	579	4.60E-109	2	284	265	558	0.979166667	Arabidopsis_thaliana	Plant	CE8_AT1G02810.1.1	Plant	Ath	Ath_AT1G02810.1.1	Ath_AT1G02810.1.1
GH1	429	AT1G02850.1.1	470	1.80E-158	2	425	28	459	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G02850.1.1	Plant	Ath	Ath_AT1G02850.1.1	Ath_AT1G02850.1.1
GH1	429	AT1G02850.2.1	497	2.70E-169	2	425	28	486	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G02850.2.1	Plant	Ath	Ath_AT1G02850.2.1	Ath_AT1G02850.2.1
GH1	429	AT1G02850.3.1	435	1.10E-135	2	343	28	427	0.794871795	Arabidopsis_thaliana	Plant	GH1_AT1G02850.3.1	Plant	Ath	Ath_AT1G02850.3.1	Ath_AT1G02850.3.1
GH1	429	AT1G02850.4.1	521	5.00E-166	2	425	28	510	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G02850.4.1	Plant	Ath	Ath_AT1G02850.4.1	Ath_AT1G02850.4.1
GH1	429	AT1G02850.5.1	520	8.60E-167	2	425	28	509	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G02850.5.1	Plant	Ath	Ath_AT1G02850.5.1	Ath_AT1G02850.5.1
GH13	299	AT1G03310.1.1	882	1.20E-22	10	295	385	711	0.953177258	Arabidopsis_thaliana	Plant	GH13_AT1G03310.1.1	Plant	Ath	Ath_AT1G03310.1.1	Ath_AT1G03310.1.1
GH13	299	AT1G03310.2.1	882	1.20E-22	10	295	385	711	0.953177258	Arabidopsis_thaliana	Plant	GH13_AT1G03310.2.1	Plant	Ath	Ath_AT1G03310.2.1	Ath_AT1G03310.2.1
GT14	250	AT1G03520.1.1	447	8.20E-88	1	248	103	358	0.988	Arabidopsis_thaliana	Plant	GT14_AT1G03520.1.1	Plant	Ath	Ath_AT1G03520.1.1	Ath_AT1G03520.1.1
GT14	250	AT1G03520.2.1	358	4.20E-88	1	248	14	269	0.988	Arabidopsis_thaliana	Plant	GT14_AT1G03520.2.1	Plant	Ath	Ath_AT1G03520.2.1	Ath_AT1G03520.2.1
AA3	618	AT1G03990.1.1	758	3.00E-42	78	401	234	756	0.522653722	Arabidopsis_thaliana	Plant	AA3_AT1G03990.1.1	Plant	Ath	Ath_AT1G03990.1.1	Ath_AT1G03990.1.1
PL1	202	AT1G04680.1.1	431	1.60E-60	12	200	143	348	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT1G04680.1.1	Plant	Ath	Ath_AT1G04680.1.1	Ath_AT1G04680.1.1
GT4	160	AT1G04920.1.1	1062	1.10E-45	5	157	480	648	0.95	Arabidopsis_thaliana	Plant	GT4_AT1G04920.1.1	Plant	Ath	Ath_AT1G04920.1.1	Ath_AT1G04920.1.1
GT31	192	AT1G05170.1.1	361	7.00E-55	1	191	152	348	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G05170.1.1	Plant	Ath	Ath_AT1G05170.1.1	Ath_AT1G05170.1.1
GT31	192	AT1G05170.2.1	407	9.50E-55	1	191	152	348	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G05170.2.1	Plant	Ath	Ath_AT1G05170.2.1	Ath_AT1G05170.2.1
AA2	255	AT1G05240.1.1	325	7.70E-50	16	250	51	305	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT1G05240.1.1	Plant	Ath	Ath_AT1G05240.1.1	Ath_AT1G05240.1.1
AA2	255	AT1G05250.1.1	325	7.70E-50	16	250	51	305	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT1G05250.1.1	Plant	Ath	Ath_AT1G05250.1.1	Ath_AT1G05250.1.1
AA2	255	AT1G05260.1.1	326	4.40E-54	13	252	47	307	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G05260.1.1	Plant	Ath	Ath_AT1G05260.1.1	Ath_AT1G05260.1.1
GT31	192	AT1G05280.1.1	491	1.00E-11	68	187	158	262	0.619791667	Arabidopsis_thaliana	Plant	GT31_AT1G05280.1.1	Plant	Ath	Ath_AT1G05280.1.1	Ath_AT1G05280.1.1
GT31	192	AT1G05280.2.1	466	9.50E-12	68	187	158	262	0.619791667	Arabidopsis_thaliana	Plant	GT31_AT1G05280.2.1	Plant	Ath	Ath_AT1G05280.2.1	Ath_AT1G05280.2.1
CE8	288	AT1G05310.1.1	393	1.70E-94	3	288	92	384	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT1G05310.1.1	Plant	Ath	Ath_AT1G05310.1.1	Ath_AT1G05310.1.1
GT1	382	AT1G05530.1.1	455	1.80E-32	220	367	229	436	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT1G05530.1.1	Plant	Ath	Ath_AT1G05530.1.1	Ath_AT1G05530.1.1
GT1	382	AT1G05560.1.1	469	6.90E-36	220	367	239	433	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT1G05560.1.1	Plant	Ath	Ath_AT1G05560.1.1	Ath_AT1G05560.1.1
GT1	382	AT1G05560.2.1	519	8.80E-36	220	367	289	483	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT1G05560.2.1	Plant	Ath	Ath_AT1G05560.2.1	Ath_AT1G05560.2.1
GT48	739	AT1G05570.1.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT1G05570.1.1	Plant	Ath	Ath_AT1G05570.1.1	Ath_AT1G05570.1.1
GT48	739	AT1G05570.2.1	1909	0	2	728	1007	1760	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT1G05570.2.1	Plant	Ath	Ath_AT1G05570.2.1	Ath_AT1G05570.2.1
GT48	739	AT1G05570.3.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT1G05570.3.1	Plant	Ath	Ath_AT1G05570.3.1	Ath_AT1G05570.3.1
GT48	739	AT1G05570.4.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT1G05570.4.1	Plant	Ath	Ath_AT1G05570.4.1	Ath_AT1G05570.4.1
GH20	337	AT1G05590.1.1	580	3.10E-96	8	336	166	524	0.973293769	Arabidopsis_thaliana	Plant	GH20_AT1G05590.1.1	Plant	Ath	Ath_AT1G05590.1.1	Ath_AT1G05590.1.1
GH20	337	AT1G05590.2.1	580	3.10E-96	8	336	166	524	0.973293769	Arabidopsis_thaliana	Plant	GH20_AT1G05590.2.1	Plant	Ath	Ath_AT1G05590.2.1	Ath_AT1G05590.2.1
GH20	337	AT1G05590.3.1	580	3.10E-96	8	336	166	524	0.973293769	Arabidopsis_thaliana	Plant	GH20_AT1G05590.3.1	Plant	Ath	Ath_AT1G05590.3.1	Ath_AT1G05590.3.1
GH28	325	AT1G05650.1.1	394	1.70E-93	5	321	52	379	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT1G05650.1.1	Plant	Ath	Ath_AT1G05650.1.1	Ath_AT1G05650.1.1
GH28	325	AT1G05660.1.1	394	2.90E-93	5	321	52	379	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT1G05660.1.1	Plant	Ath	Ath_AT1G05660.1.1	Ath_AT1G05660.1.1
GT1	382	AT1G05675.1.1	453	4.40E-39	195	367	255	427	0.45026178	Arabidopsis_thaliana	Plant	GT1_AT1G05675.1.1	Plant	Ath	Ath_AT1G05675.1.1	Ath_AT1G05675.1.1
GT1	382	AT1G05680.1.1	453	5.30E-37	200	366	260	426	0.434554974	Arabidopsis_thaliana	Plant	GT1_AT1G05680.1.1	Plant	Ath	Ath_AT1G05680.1.1	Ath_AT1G05680.1.1
GH19	231	AT1G05850.1.1	321	3.10E-71	5	231	60	304	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT1G05850.1.1	Plant	Ath	Ath_AT1G05850.1.1	Ath_AT1G05850.1.1
GH19	231	AT1G05850.2.1	321	3.10E-71	5	231	60	304	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT1G05850.2.1	Plant	Ath	Ath_AT1G05850.2.1	Ath_AT1G05850.2.1
GT1	382	AT1G06000.1.1	435	1.60E-21	180	366	198	396	0.486910995	Arabidopsis_thaliana	Plant	GT1_AT1G06000.1.1	Plant	Ath	Ath_AT1G06000.1.1	Ath_AT1G06000.1.1
GT20	475	AT1G06410.1.1	851	7.80E-179	8	475	54	540	0.983157895	Arabidopsis_thaliana	Plant	GT20_AT1G06410.1.1	Plant	Ath	Ath_AT1G06410.1.1	Ath_AT1G06410.1.1
GT20	475	AT1G06410.2.1	851	7.80E-179	8	475	54	540	0.983157895	Arabidopsis_thaliana	Plant	GT20_AT1G06410.2.1	Plant	Ath	Ath_AT1G06410.2.1	Ath_AT1G06410.2.1
GT20	475	AT1G06410.3.1	851	7.80E-179	8	475	54	540	0.983157895	Arabidopsis_thaliana	Plant	GT20_AT1G06410.3.1	Plant	Ath	Ath_AT1G06410.3.1	Ath_AT1G06410.3.1
GT48	739	AT1G06490.1.1	1958	0	2	728	1050	1785	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT1G06490.1.1	Plant	Ath	Ath_AT1G06490.1.1	Ath_AT1G06490.1.1
GT48	739	AT1G06490.2.1	193													

GT90	250	AT1G07220.1.1	507	2.10E-66	2	250	188	429	0.992	Arabidopsis_thaliana	Plant	GT90_AT1G07220.1.1	Plant	Ath	Ath_AT1G07220.1.1	Ath_AT1G07220.1.1
GT1	382	AT1G07240.1.1	480	1.70E-36	164	351	203	440	0.489528796	Arabidopsis_thaliana	Plant	GT1_AT1G07240.1.1	Plant	Ath	Ath_AT1G07240.1.1	Ath_AT1G07240.1.1
GT1	382	AT1G07250.1.1	479	4.00E-41	190	367	231	454	0.463350785	Arabidopsis_thaliana	Plant	GT1_AT1G07250.1.1	Plant	Ath	Ath_AT1G07250.1.1	Ath_AT1G07250.1.1
GT1	382	AT1G07260.1.1	476	2.50E-40	135	367	181	453	0.607329843	Arabidopsis_thaliana	Plant	GT1_AT1G07260.1.1	Plant	Ath	Ath_AT1G07260.1.1	Ath_AT1G07260.1.1
CBM57	147	AT1G07650.1.1	1014	2.70E-28	3	136	416	585	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT1G07650.1.1	Plant	Ath	Ath_AT1G07650.1.1	Ath_AT1G07650.1.1
CBM57	147	AT1G07650.2.1	1020	2.70E-28	3	136	422	591	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT1G07650.2.1	Plant	Ath	Ath_AT1G07650.2.1	Ath_AT1G07650.2.1
CBM57	147	AT1G07650.3.1	988	3.60E-23	3	113	416	558	0.74829932	Arabidopsis_thaliana	Plant	CBM57_AT1G07650.3.1	Plant	Ath	Ath_AT1G07650.3.1	Ath_AT1G07650.3.1
CBM57	147	AT1G07650.4.1	801	1.80E-28	3	136	203	372	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT1G07650.4.1	Plant	Ath	Ath_AT1G07650.4.1	Ath_AT1G07650.4.1
GT31	192	AT1G07850.1.1	541	5.20E-12	75	190	211	313	0.598958333	Arabidopsis_thaliana	Plant	GT31_AT1G07850.1.1	Plant	Ath	Ath_AT1G07850.1.1	Ath_AT1G07850.1.1
AA2	255	AT1G07890.1.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.1.1	Plant	Ath	Ath_AT1G07890.1.1	Ath_AT1G07890.1.1
AA2	255	AT1G07890.2.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.2.1	Plant	Ath	Ath_AT1G07890.2.1	Ath_AT1G07890.2.1
AA2	255	AT1G07890.3.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.3.1	Plant	Ath	Ath_AT1G07890.3.1	Ath_AT1G07890.3.1
AA2	255	AT1G07890.4.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.4.1	Plant	Ath	Ath_AT1G07890.4.1	Ath_AT1G07890.4.1
AA2	255	AT1G07890.5.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.5.1	Plant	Ath	Ath_AT1G07890.5.1	Ath_AT1G07890.5.1
AA2	255	AT1G07890.6.1	249	9.70E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.6.1	Plant	Ath	Ath_AT1G07890.6.1	Ath_AT1G07890.6.1
AA2	255	AT1G07890.7.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.7.1	Plant	Ath	Ath_AT1G07890.7.1	Ath_AT1G07890.7.1
AA2	255	AT1G07890.8.1	250	6.50E-65	14	253	25	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT1G07890.8.1	Plant	Ath	Ath_AT1G07890.8.1	Ath_AT1G07890.8.1
GT29	247	AT1G08280.1.1	398	9.80E-60	27	239	168	377	0.858299595	Arabidopsis_thaliana	Plant	GT29_AT1G08280.1.1	Plant	Ath	Ath_AT1G08280.1.1	Ath_AT1G08280.1.1
CE1	227	AT1G08310.2.1	318	0.000007	29	207	35	289	0.784140969	Arabidopsis_thaliana	Plant	CE1_AT1G08310.2.1	Plant	Ath	Ath_AT1G08310.2.1	Ath_AT1G08310.2.1
GT29	247	AT1G08660.1.1	474	9.70E-41	7	246	152	347	0.967611336	Arabidopsis_thaliana	Plant	GT29_AT1G08660.1.1	Plant	Ath	Ath_AT1G08660.1.1	Ath_AT1G08660.1.1
GT29	247	AT1G08660.2.1	347	3.00E-39	7	242	152	343	0.951417004	Arabidopsis_thaliana	Plant	GT29_AT1G08660.2.1	Plant	Ath	Ath_AT1G08660.2.1	Ath_AT1G08660.2.1
GT29	247	AT1G08660.3.1	296	1.90E-39	7	242	101	292	0.951417004	Arabidopsis_thaliana	Plant	GT29_AT1G08660.3.1	Plant	Ath	Ath_AT1G08660.3.1	Ath_AT1G08660.3.1
GT8	257	AT1G08990.1.1	566	8.80E-35	17	254	267	483	0.922178988	Arabidopsis_thaliana	Plant	GT8_AT1G08990.1.1	Plant	Ath	Ath_AT1G08990.1.1	Ath_AT1G08990.1.1
GH2	752	AT1G09010.1.1	944	2.30E-85	48	532	38	730	0.643617021	Arabidopsis_thaliana	Plant	GH2_AT1G09010.1.1	Plant	Ath	Ath_AT1G09010.1.1	Ath_AT1G09010.1.1
GT8	257	AT1G09350.1.1	334	2.20E-51	26	255	14	262	0.891050584	Arabidopsis_thaliana	Plant	GT8_AT1G09350.1.1	Plant	Ath	Ath_AT1G09350.1.1	Ath_AT1G09350.1.1
GT8	257	AT1G09350.2.1	234	1.40E-34	124	255	3	162	0.509727627	Arabidopsis_thaliana	Plant	GT8_AT1G09350.2.1	Plant	Ath	Ath_AT1G09350.2.1	Ath_AT1G09350.2.1
CE16	267	AT1G09390.1.1	370	1.20E-21	2	266	39	352	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT1G09390.1.1	Plant	Ath	Ath_AT1G09390.1.1	Ath_AT1G09390.1.1
CBM43	83	AT1G09460.1.1	330	2.10E-31	1	82	137	216	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G09460.1.1	Plant	Ath	Ath_AT1G09460.1.1	Ath_AT1G09460.1.1
CE13	355	AT1G09550.1.1	388	1.70E-143	3	352	39	384	0.983098592	Arabidopsis_thaliana	Plant	CE13_AT1G09550.1.1	Plant	Ath	Ath_AT1G09550.1.1	Ath_AT1G09550.1.1
PL4	567	AT1G09880.1.1	631	8.40E-192	20	559	2	606	0.950617284	Arabidopsis_thaliana	Plant	PL4_AT1G09880.1.1	Plant	Ath	Ath_AT1G09880.1.1	Ath_AT1G09880.1.1
PL4	567	AT1G09880.2.1	697	1.10E-193	8	559	56	672	0.971781305	Arabidopsis_thaliana	Plant	PL4_AT1G09880.2.1	Plant	Ath	Ath_AT1G09880.2.1	Ath_AT1G09880.2.1
PL4	567	AT1G09880.3.1	711	1.20E-193	8	559	70	686	0.971781305	Arabidopsis_thaliana	Plant	PL4_AT1G09880.3.1	Plant	Ath	Ath_AT1G09880.3.1	Ath_AT1G09880.3.1
PL4	567	AT1G09880.4.1	665	9.20E-194	8	559	24	640	0.971781305	Arabidopsis_thaliana	Plant	PL4_AT1G09880.4.1	Plant	Ath	Ath_AT1G09880.4.1	Ath_AT1G09880.4.1
PL4	567	AT1G09890.1.1	617	1.50E-201	19	561	1	602	0.955908289	Arabidopsis_thaliana	Plant	PL4_AT1G09890.1.1	Plant	Ath	Ath_AT1G09890.1.1	Ath_AT1G09890.1.1
PL4	567	AT1G09890.2.1	546	1.10E-167	7	461	5	539	0.800705467	Arabidopsis_thaliana	Plant	PL4_AT1G09890.2.1	Plant	Ath	Ath_AT1G09890.2.1	Ath_AT1G09890.2.1
PL4	567	AT1G09890.3.1	657	5.90E-201	7	561	5	642	0.97707231	Arabidopsis_thaliana	Plant	PL4_AT1G09890.3.1	Plant	Ath	Ath_AT1G09890.3.1	Ath_AT1G09890.3.1
PL4	567	AT1G09890.4.1	633	4.30E-205	7	561	5	618	0.97707231	Arabidopsis_thaliana	Plant	PL4_AT1G09890.4.1	Plant	Ath	Ath_AT1G09890.4.1	Ath_AT1G09890.4.1
PL4	567	AT1G09890.5.1	628	5.60E-199	7	561	5	613	0.97707231	Arabidopsis_thaliana	Plant	PL4_AT1G09890.5.1	Plant	Ath	Ath_AT1G09890.5.1	Ath_AT1G09890.5.1
PL4	567	AT1G09910.1.1	675	7.80E-208	5	558	46	656	0.975308642	Arabidopsis_thaliana	Plant	PL4_AT1G09910.1.1	Plant	Ath	Ath_AT1G09910.1.1	Ath_AT1G09910.1.1
PL4	567	AT1G09910.2.1	632	8.40E-208	7	558	5	613	0.971781305	Arabidopsis_thaliana	Plant	PL4_AT1G09910.2.1	Plant	Ath	Ath_AT1G09910.2.1	Ath_AT1G09910.2.1
PL4	567	AT1G09910.3.1	632	8.40E-208	7	558	5	613	0.971781305	Arabidopsis_thaliana	Plant	PL4_AT1G09910.3.1	Plant	Ath	Ath_AT1G09910.3.1	Ath_AT1G09910.3.1
CBM22	131	AT1G10050.1.1	1063	1.70E-37	1	131	517	661	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.1.1	Plant	Ath	Ath_AT1G10050.1.1	Ath_AT1G10050.1.1
CBM22	131	AT1G10050.1.1	1063	6.40E-31	1	131	5	144	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.1.1	Plant	Ath	Ath_AT1G10050.1.1	Ath_AT1G10050.1.1
CBM22	131	AT1G10050.1.1	1063	2.40E-28	1	131	183	313	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.1.1	Plant	Ath	Ath_AT1G10050.1.1	Ath_AT1G10050.1.1
CBM22	131	AT1G10050.1.1	1063	1.30E-25	2	131	350	482	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.1.1	Plant	Ath	Ath_AT1G10050.1.1	Ath_AT1G10050.1.1
GH10	303	AT1G10050.1.1	1063	2.00E-66	7	300	719	1003	0.9669967	Arabidopsis_thaliana	Plant	GH10_AT1G10050.1.1	Plant	Ath	Ath_AT1G10050.1.1	Ath_AT1G10050.1.1
CBM22	131	AT1G10050.2.1	1063	1.70E-37	1	131	517	661	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.2.1	Plant	Ath	Ath_AT1G10050.2.1	Ath_AT1G10050.2.1
CBM22	131	AT1G10050.2.1	1063	6.40E-31	1	131	5	144	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.2.1	Plant	Ath	Ath_AT1G10050.2.1	Ath_AT1G10050.2.1
CBM22	131	AT1G10050.2.1	1063	2.40E-28	1	131	183	313	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.2.1	Plant	Ath	Ath_AT1G10050.2.1	Ath_AT1G10050.2.1
CBM22	131	AT1G10050.2.1	1063	1.30E-25	2	131	350	482	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.2.1	Plant	Ath	Ath_AT1G10050.2.1	Ath_AT1G10050.2.1
GH10	303	AT1G10050.2.1	1063	2.00E-66	7	300	719	1003	0.9669967	Arabidopsis_thaliana	Plant	GH10_AT1G10050.2.1	Plant	Ath	Ath_AT1G10050.2.1	Ath_AT1G10050.2.1
CBM22	131	AT1G10050.3.1	1095	1.80E-37	1	131	549	693	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.3.1	Plant	Ath	Ath_AT1G10050.3.1	Ath_AT1G10050.3.1
CBM22	131	AT1G10050.3.1	1095	6.60E-31	1	131	37	176	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.3.1	Plant	Ath	Ath_AT1G10050.3.1	Ath_AT1G10050.3.1
CBM22	131	AT1G10050.3.1	1095	2.50E-28	1	131	215	345	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.3.1	Plant	Ath	Ath_AT1G10050.3.1	Ath_AT1G10050.3.1
CBM22	131	AT1G10050.3.1	1095	1.40E-25	2	131	382	514	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT1G10050.3.1	Plant	Ath	Ath_AT1G10050.3.1	Ath_AT1G10050.3.1
GH10	303	AT1G10050.3.1	1095	2.10E-66	7	300	751	1035	0.9669967	Arabidopsis_thaliana	Plant	GH10_AT1G10050.3.1	Plant	Ath	Ath_AT1G10050.3.1	Ath_AT1G10050.3.1
CBM22	131	AT1G10155.1.1	184	0.000093	56	128	70	146	0.549618321	Arabidopsis_thaliana	Plant	CBM22_AT1G10155.1.1	Plant	Ath	Ath_AT1G10155.1.1	Ath_AT1G10155.1.1
GT14	250	AT1G10280.1.1	412	1.40E-13	61	244	199	358	0.732	Arabidopsis_thaliana	Plant	GT14_AT1G10280.1.1	Plant	Ath	Ath_AT1G10280.1.1	Ath_AT1G10280.1.1
GT1	382	AT1G10400.1.1	467	7.90E-29	227	371	277	440	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT1G10400.1.1	Plant	Ath	Ath_AT1G10400.1.1	Ath_AT1G10400.1.1
GH16	189	AT1G10550.1.1	310	1.10E-25	30	185	54	224	0.82010582	Arabidopsis_thaliana	Plant	GH16_AT1G10550.1.1	Plant	Ath	Ath_AT1G10550.1.1	Ath_AT1G10550.1.1
GH28	325	AT1G10640.1.1	532	1.50E-89	6	315	144	495	0.950769231	Arabidopsis_thaliana	Plant	GH28_AT1G10640.1.1	Plant	Ath	Ath_AT1G10640.1.1	Ath_AT1G10640.1.1
CBM45	81	AT1G10760.1.1	1399	3.00E-21	1	81	120	195	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G10760.1.1	Plant	Ath	Ath_AT1G10760.1.1	Ath_AT1G10760.1.1
CBM45	81	AT1G10760.1.1	1399	2.90E-18	1	81	394	472	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G10760.1.1	Plant	Ath	Ath_AT1G10760.1.1	Ath_AT1G10760.1.1
CBM45	81	AT1G10760.2.1	1399	3.00E-21	1	81	120	195	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G10760.2.1	Plant	Ath	Ath_AT1G10760.2.1	Ath_AT1G10760.2.1
CBM45	81	AT1G10760.2.1	1399	2.90E-18	1	81	394	472	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G10760.2.1	Plant	Ath	Ath_AT1G10760.2.1	Ath_AT1G10760.2.1
CBM45	81	AT1G10760.3.1	1399	3.00E-21	1	81	120	195	0.987654							

CE8	288	AT1G11580.1.1	557	9.90E-115	1	288	246	542	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT1G11580.1.1	Plant	Ath	Ath_AT1G11580.1.1	Ath_AT1G11580.1.1
CE8	288	AT1G11580.2.1	578	1.10E-114	1	288	267	563	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT1G11580.2.1	Plant	Ath	Ath_AT1G11580.2.1	Ath_AT1G11580.2.1
CE8	288	AT1G11590.1.1	524	1.30E-107	1	287	215	508	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT1G11590.1.1	Plant	Ath	Ath_AT1G11590.1.1	Ath_AT1G11590.1.1
CBM53	87	AT1G11720.1.1	1042	1.40E-30	2	87	496	584	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.1.1	Plant	Ath	Ath_AT1G11720.1.1	Ath_AT1G11720.1.1
CBM53	87	AT1G11720.1.1	1042	1.00E-28	2	87	329	423	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.1.1	Plant	Ath	Ath_AT1G11720.1.1	Ath_AT1G11720.1.1
CBM53	87	AT1G11720.1.1	1042	9.30E-28	2	87	154	237	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.1.1	Plant	Ath	Ath_AT1G11720.1.1	Ath_AT1G11720.1.1
GT5	472	AT1G11720.1.1	1042	4.00E-144	1	471	595	1038	0.995762712	Arabidopsis_thaliana	Plant	GT5_AT1G11720.1.1	Plant	Ath	Ath_AT1G11720.1.1	Ath_AT1G11720.1.1
CBM53	87	AT1G11720.2.1	1094	1.50E-30	2	87	548	636	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.2.1	Plant	Ath	Ath_AT1G11720.2.1	Ath_AT1G11720.2.1
CBM53	87	AT1G11720.2.1	1094	1.10E-28	2	87	381	475	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.2.1	Plant	Ath	Ath_AT1G11720.2.1	Ath_AT1G11720.2.1
CBM53	87	AT1G11720.2.1	1094	9.90E-28	2	87	206	289	0.977011494	Arabidopsis_thaliana	Plant	CBM53_AT1G11720.2.1	Plant	Ath	Ath_AT1G11720.2.1	Ath_AT1G11720.2.1
GT5	472	AT1G11720.2.1	1094	4.50E-144	1	471	647	1090	0.995762712	Arabidopsis_thaliana	Plant	GT5_AT1G11720.2.1	Plant	Ath	Ath_AT1G11720.2.1	Ath_AT1G11720.2.1
GT31	192	AT1G11730.1.1	384	1.30E-53	1	191	129	325	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G11730.1.1	Plant	Ath	Ath_AT1G11730.1.1	Ath_AT1G11730.1.1
AA7	458	AT1G11770.1.1	536	7.00E-92	4	458	69	526	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT1G11770.1.1	Plant	Ath	Ath_AT1G11770.1.1	Ath_AT1G11770.1.1
GH17	311	AT1G11820.1.1	384	4.40E-103	1	309	44	363	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G11820.1.1	Plant	Ath	Ath_AT1G11820.1.1	Ath_AT1G11820.1.1
CBM43	83	AT1G11820.2.1	511	4.60E-32	2	82	382	463	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT1G11820.2.1	Plant	Ath	Ath_AT1G11820.2.1	Ath_AT1G11820.2.1
GH17	311	AT1G11820.2.1	511	1.10E-102	1	309	44	363	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G11820.2.1	Plant	Ath	Ath_AT1G11820.2.1	Ath_AT1G11820.2.1
CBM43	83	AT1G11820.3.1	477	4.40E-30	2	79	382	460	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT1G11820.3.1	Plant	Ath	Ath_AT1G11820.3.1	Ath_AT1G11820.3.1
GH17	311	AT1G11820.3.1	477	8.90E-103	1	309	44	363	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G11820.3.1	Plant	Ath	Ath_AT1G11820.3.1	Ath_AT1G11820.3.1
GT76	407	AT1G11880.1.1	489	6.00E-150	2	407	18	489	0.995085995	Arabidopsis_thaliana	Plant	GT76_AT1G11880.1.1	Plant	Ath	Ath_AT1G11880.1.1	Ath_AT1G11880.1.1
GT76	407	AT1G11880.2.1	389	2.50E-118	2	330	18	360	0.805896806	Arabidopsis_thaliana	Plant	GT76_AT1G11880.2.1	Plant	Ath	Ath_AT1G11880.2.1	Ath_AT1G11880.2.1
GT76	407	AT1G11880.3.1	381	2.30E-110	113	407	37	381	0.722358722	Arabidopsis_thaliana	Plant	GT76_AT1G11880.3.1	Plant	Ath	Ath_AT1G11880.3.1	Ath_AT1G11880.3.1
PL1	202	AT1G11920.1.1	384	1.10E-60	12	201	98	304	0.935643564	Arabidopsis_thaliana	Plant	PL1_AT1G11920.1.1	Plant	Ath	Ath_AT1G11920.1.1	Ath_AT1G11920.1.1
GT14	250	AT1G11940.1.1	383	2.60E-11	15	236	92	301	0.884	Arabidopsis_thaliana	Plant	GT14_AT1G11940.1.1	Plant	Ath	Ath_AT1G11940.1.1	Ath_AT1G11940.1.1
GT14	250	AT1G11940.2.1	272	0.000000001	15	189	92	235	0.696	Arabidopsis_thaliana	Plant	GT14_AT1G11940.2.1	Plant	Ath	Ath_AT1G11940.2.1	Ath_AT1G11940.2.1
GH32	293	AT1G12240.1.1	664	5.70E-86	1	293	125	445	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT1G12240.1.1	Plant	Ath	Ath_AT1G12240.1.1	Ath_AT1G12240.1.1
AA3	618	AT1G12570.1.1	572	2.30E-64	86	400	42	568	0.508090615	Arabidopsis_thaliana	Plant	AA3_AT1G12570.1.1	Plant	Ath	Ath_AT1G12570.1.1	Ath_AT1G12570.1.1
GT17	284	AT1G12990.1.1	392	1.00E-129	2	284	98	384	0.992957747	Arabidopsis_thaliana	Plant	GT17_AT1G12990.1.1	Plant	Ath	Ath_AT1G12990.1.1	Ath_AT1G12990.1.1
CBM13	188	AT1G13130.1.1	552	0.000000097	13	123	413	514	0.585106383	Arabidopsis_thaliana	Plant	CBM13_AT1G13130.1.1	Plant	Ath	Ath_AT1G13130.1.1	Ath_AT1G13130.1.1
GH5	275	AT1G13130.1.1	552	3.20E-39	2	232	42	355	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT1G13130.1.1	Plant	Ath	Ath_AT1G13130.1.1	Ath_AT1G13130.1.1
GT8	257	AT1G13250.1.1	345	5.30E-44	28	255	58	317	0.883268483	Arabidopsis_thaliana	Plant	GT8_AT1G13250.1.1	Plant	Ath	Ath_AT1G13250.1.1	Ath_AT1G13250.1.1
CBM43	83	AT1G13830.1.1	197	3.50E-25	2	79	22	99	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT1G13830.1.1	Plant	Ath	Ath_AT1G13830.1.1	Ath_AT1G13830.1.1
CBM43	83	AT1G13830.2.1	211	4.10E-25	2	79	36	113	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT1G13830.2.1	Plant	Ath	Ath_AT1G13830.2.1	Ath_AT1G13830.2.1
GT68	350	AT1G14020.1.1	499	0.00000083	205	347	235	418	0.405714286	Arabidopsis_thaliana	Plant	GT68_AT1G14020.1.1	Plant	Ath	Ath_AT1G14020.1.1	Ath_AT1G14020.1.1
GT37	459	AT1G14080.1.1	537	1.40E-216	9	458	53	506	0.978213508	Arabidopsis_thaliana	Plant	GT37_AT1G14080.1.1	Plant	Ath	Ath_AT1G14080.1.1	Ath_AT1G14080.1.1
GT37	459	AT1G14100.1.1	516	2.80E-220	8	459	33	491	0.982570806	Arabidopsis_thaliana	Plant	GT37_AT1G14100.1.1	Plant	Ath	Ath_AT1G14100.1.1	Ath_AT1G14100.1.1
GT37	459	AT1G14110.1.1	474	1.20E-142	7	308	33	335	0.655773421	Arabidopsis_thaliana	Plant	GT37_AT1G14110.1.1	Plant	Ath	Ath_AT1G14110.1.1	Ath_AT1G14110.1.1
AA3	618	AT1G14185.1.1	503	2.60E-70	86	398	33	501	0.504854369	Arabidopsis_thaliana	Plant	AA3_AT1G14185.1.1	Plant	Ath	Ath_AT1G14185.1.1	Ath_AT1G14185.1.1
AA3	618	AT1G14190.1.1	501	1.70E-70	86	404	12	487	0.514563107	Arabidopsis_thaliana	Plant	AA3_AT1G14190.1.1	Plant	Ath	Ath_AT1G14190.1.1	Ath_AT1G14190.1.1
AA3	618	AT1G14190.2.1	522	1.60E-70	85	404	32	508	0.51618123	Arabidopsis_thaliana	Plant	AA3_AT1G14190.2.1	Plant	Ath	Ath_AT1G14190.2.1	Ath_AT1G14190.2.1
PL1	202	AT1G14420.1.1	459	6.00E-58	20	200	175	372	0.891089109	Arabidopsis_thaliana	Plant	PL1_AT1G14420.1.1	Plant	Ath	Ath_AT1G14420.1.1	Ath_AT1G14420.1.1
AA5	1281	AT1G14430.1.1	564	9.00E-111	560	1024	40	564	0.362217018	Arabidopsis_thaliana	Plant	AA5_AT1G14430.1.1	Plant	Ath	Ath_AT1G14430.1.1	Ath_AT1G14430.1.1
AA2	255	AT1G14540.1.1	315	2.80E-49	14	251	44	296	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT1G14540.1.1	Plant	Ath	Ath_AT1G14540.1.1	Ath_AT1G14540.1.1
AA2	255	AT1G14550.1.1	321	3.60E-50	7	252	41	303	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT1G14550.1.1	Plant	Ath	Ath_AT1G14550.1.1	Ath_AT1G14550.1.1
GH77	216	AT1G14590.1.1	386	1.90E-57	2	216	132	329	0.990740741	Arabidopsis_thaliana	Plant	GH77_AT1G14590.1.1	Plant	Ath	Ath_AT1G14590.1.1	Ath_AT1G14590.1.1
GH16	189	AT1G14720.1.1	332	1.70E-22	31	185	43	214	0.814814815	Arabidopsis_thaliana	Plant	GH16_AT1G14720.1.1	Plant	Ath	Ath_AT1G14720.1.1	Ath_AT1G14720.1.1
GT68	350	AT1G14970.1.1	562	0.00000064	203	340	299	486	0.391428571	Arabidopsis_thaliana	Plant	GT68_AT1G14970.1.1	Plant	Ath	Ath_AT1G14970.1.1	Ath_AT1G14970.1.1
GT68	350	AT1G14970.2.1	442	0.00000038	203	341	179	367	0.394285714	Arabidopsis_thaliana	Plant	GT68_AT1G14970.2.1	Plant	Ath	Ath_AT1G14970.2.1	Ath_AT1G14970.2.1
GT68	350	AT1G14970.3.1	416	0.00000032	203	341	153	341	0.394285714	Arabidopsis_thaliana	Plant	GT68_AT1G14970.3.1	Plant	Ath	Ath_AT1G14970.3.1	Ath_AT1G14970.3.1
GT9	225	AT1G15980.1.1	461	7.40E-15	8	201	191	430	0.857777778	Arabidopsis_thaliana	Plant	GT9_AT1G15980.1.1	Plant	Ath	Ath_AT1G15980.1.1	Ath_AT1G15980.1.1
GH23	135	AT1G16290.1.1	419	0.000000001	16	121	76	193	0.777777778	Arabidopsis_thaliana	Plant	GH23_AT1G16290.1.1	Plant	Ath	Ath_AT1G16290.1.1	Ath_AT1G16290.1.1
GH23	135	AT1G16290.2.1	428	0.000000001	16	121	85	202	0.777777778	Arabidopsis_thaliana	Plant	GH23_AT1G16290.2.1	Plant	Ath	Ath_AT1G16290.2.1	Ath_AT1G16290.2.1
GT33	425	AT1G16570.1.1	465	1.00E-173	3	424	6	453	0.990588235	Arabidopsis_thaliana	Plant	GT33_AT1G16570.1.1	Plant	Ath	Ath_AT1G16570.1.1	Ath_AT1G16570.1.1
GT33	425	AT1G16570.2.1	496	3.70E-163	3	392	6	420	0.915294118	Arabidopsis_thaliana	Plant	GT33_AT1G16570.2.1	Plant	Ath	Ath_AT1G16570.2.1	Ath_AT1G16570.2.1
GT22	389	AT1G16900.1.1	570	6.80E-95	3	389	51	451	0.992287918	Arabidopsis_thaliana	Plant	GT22_AT1G16900.1.1	Plant	Ath	Ath_AT1G16900.1.1	Ath_AT1G16900.1.1
GT20	475	AT1G16980.1.1	822	3.30E-191	11	474	10	478	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G16980.1.1	Plant	Ath	Ath_AT1G16980.1.1	Ath_AT1G16980.1.1
GT20	475	AT1G16980.2.1	662	1.80E-191	11	474	10	478	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G16980.2.1	Plant	Ath	Ath_AT1G16980.2.1	Ath_AT1G16980.2.1
GH28	325	AT1G17150.1.1	402	8.40E-80	5	323	57	390	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT1G17150.1.1	Plant	Ath	Ath_AT1G17150.1.1	Ath_AT1G17150.1.1
GT68	350	AT1G17270.1.1	564	5.60E-84	35	341	244	540	0.874285714	Arabidopsis_thaliana	Plant	GT68_AT1G17270.1.1	Plant	Ath	Ath_AT1G17270.1.1	Ath_AT1G17270.1.1
GT68	350	AT1G17270.2.1	564	5.60E-84	35	341	244	540	0.874285714	Arabidopsis_thaliana	Plant	GT68_AT1G17270.2.1	Plant	Ath	Ath_AT1G17270.2.1	Ath_AT1G17270.2.1
AA1	943	AT1G18140.1.1	581	1.30E-152	2	553	27	575	0.584305408	Arabidopsis_thaliana	Plant	AA1_AT1G18140.1.1	Plant	Ath	Ath_AT1G18140.1.1	Ath_AT1G18140.1.1
GH81	622	AT1G18310.1.1	649	3.70E-180	2	622	16	644	0.996784566	Arabidopsis_thaliana	Plant	GH81_AT1G18310.1.1	Plant	Ath	Ath_AT1G18310.1.1	Ath_AT1G18310.1.1
GT8	257	AT1G18580.1.1	537	1.70E-57	1	256	196	511	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT1G18580.1.1	Plant	Ath	Ath_AT1G18580.1.1	Ath_AT1G18580.1.1
CBM43	83	AT1G18650.1.1	184	5.50E-30	1	82	21	102	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G18650.1.1	Plant	Ath	Ath_AT1G18650.1.1	Ath_AT1G18650.1.1
CBM43	83	AT1G18650.2.1	131	2.20E-30	1	82	21	102	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G18650.2.1	Plant	Ath	Ath_AT1G18650.2.1	Ath_AT1G18650.2.1
GT34	246	AT1G18690.1.1	513	9.40E-77	2	244	208	447	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT1G18690.1.1	Plant	Ath	Ath_AT1G18690.1.1	Ath_AT1G18690.1.1
GT34	24															

GT77	216	AT1G19360.1.1	428	7.90E-65	2	213	183	405	0.976851852	Arabidopsis_thaliana	Plant	GT77_AT1G19360.1.1	Plant	Ath	Ath_AT1G19360.1.1	Ath_AT1G19360.1.1
GT77	216	AT1G19360.2.1	428	7.90E-65	2	213	183	405	0.976851852	Arabidopsis_thaliana	Plant	GT77_AT1G19360.2.1	Plant	Ath	Ath_AT1G19360.2.1	Ath_AT1G19360.2.1
CE10	341	AT1G19670.1.1	324	3.60E-09	61	208	28	174	0.431085044	Arabidopsis_thaliana	Plant	CE10_AT1G19670.1.1	Plant	Ath	Ath_AT1G19670.1.1	Ath_AT1G19670.1.1
GT4	160	AT1G19710.1.1	479	1.60E-20	7	160	270	438	0.95625	Arabidopsis_thaliana	Plant	GT4_AT1G19710.1.1	Plant	Ath	Ath_AT1G19710.1.1	Ath_AT1G19710.1.1
AA5	1281	AT1G19900.1.1	548	3.50E-116	558	1024	28	547	0.363778298	Arabidopsis_thaliana	Plant	AA5_AT1G19900.1.1	Plant	Ath	Ath_AT1G19900.1.1	Ath_AT1G19900.1.1
GH9	418	AT1G19940.1.1	515	4.00E-132	1	417	48	502	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G19940.1.1	Plant	Ath	Ath_AT1G19940.1.1	Ath_AT1G19940.1.1
GH9	418	AT1G19940.2.1	515	4.00E-132	1	417	48	502	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G19940.2.1	Plant	Ath	Ath_AT1G19940.2.1	Ath_AT1G19940.2.1
GH9	418	AT1G19940.3.1	419	8.20E-99	1	336	48	408	0.801435407	Arabidopsis_thaliana	Plant	GH9_AT1G19940.3.1	Plant	Ath	Ath_AT1G19940.3.1	Ath_AT1G19940.3.1
CE16	267	AT1G20120.1.1	402	4.00E-20	60	266	158	391	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT1G20120.1.1	Plant	Ath	Ath_AT1G20120.1.1	Ath_AT1G20120.1.1
CE16	267	AT1G20130.1.1	534	5.70E-21	3	262	207	520	0.970037453	Arabidopsis_thaliana	Plant	CE16_AT1G20130.1.1	Plant	Ath	Ath_AT1G20130.1.1	Ath_AT1G20130.1.1
CE16	267	AT1G20130.2.1	514	5.10E-21	3	262	187	500	0.970037453	Arabidopsis_thaliana	Plant	CE16_AT1G20130.2.1	Plant	Ath	Ath_AT1G20130.2.1	Ath_AT1G20130.2.1
CE16	267	AT1G20132.1.1	383	2.80E-22	3	263	64	371	0.973782772	Arabidopsis_thaliana	Plant	CE16_AT1G20132.1.1	Plant	Ath	Ath_AT1G20132.1.1	Ath_AT1G20132.1.1
CE16	267	AT1G20135.1.1	328	3.80E-20	60	260	109	324	0.74906367	Arabidopsis_thaliana	Plant	CE16_AT1G20135.1.1	Plant	Ath	Ath_AT1G20135.1.1	Ath_AT1G20135.1.1
GT2	168	AT1G20575.1.1	246	2.10E-46	1	168	16	184	0.994047619	Arabidopsis_thaliana	Plant	GT2_AT1G20575.1.1	Plant	Ath	Ath_AT1G20575.1.1	Ath_AT1G20575.1.1
GT47	296	AT1G21480.1.1	462	5.90E-58	3	293	87	382	0.97972973	Arabidopsis_thaliana	Plant	GT47_AT1G21480.1.1	Plant	Ath	Ath_AT1G21480.1.1	Ath_AT1G21480.1.1
GT47	296	AT1G21480.2.1	410	4.10E-58	3	293	87	382	0.97972973	Arabidopsis_thaliana	Plant	GT47_AT1G21480.2.1	Plant	Ath	Ath_AT1G21480.2.1	Ath_AT1G21480.2.1
AA1	943	AT1G21850.1.1	551	3.10E-144	447	913	45	496	0.49416755	Arabidopsis_thaliana	Plant	AA1_AT1G21850.1.1	Plant	Ath	Ath_AT1G21850.1.1	Ath_AT1G21850.1.1
AA1	943	AT1G21860.1.1	538	2.70E-141	451	914	48	497	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT1G21860.1.1	Plant	Ath	Ath_AT1G21860.1.1	Ath_AT1G21860.1.1
CBM50	40	AT1G21880.1.1	316	0.00000067	1	40	178	220	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G21880.1.1	Plant	Ath	Ath_AT1G21880.1.1	Ath_AT1G21880.1.1
CBM50	40	AT1G21880.1.1	316	0.00000011	1	40	112	158	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G21880.1.1	Plant	Ath	Ath_AT1G21880.1.1	Ath_AT1G21880.1.1
CBM50	40	AT1G21880.2.1	416	0.00000098	1	40	178	220	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G21880.2.1	Plant	Ath	Ath_AT1G21880.2.1	Ath_AT1G21880.2.1
CBM50	40	AT1G21880.2.1	416	0.00000016	1	40	112	158	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G21880.2.1	Plant	Ath	Ath_AT1G21880.2.1	Ath_AT1G21880.2.1
GT31	192	AT1G22015.1.1	398	6.50E-56	1	191	140	336	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G22015.1.1	Plant	Ath	Ath_AT1G22015.1.1	Ath_AT1G22015.1.1
GT1	382	AT1G22340.1.1	487	1.40E-38	189	365	276	460	0.460732984	Arabidopsis_thaliana	Plant	GT1_AT1G22340.1.1	Plant	Ath	Ath_AT1G22340.1.1	Ath_AT1G22340.1.1
GT1	382	AT1G22360.1.1	481	8.80E-39	191	364	275	455	0.452879581	Arabidopsis_thaliana	Plant	GT1_AT1G22360.1.1	Plant	Ath	Ath_AT1G22360.1.1	Ath_AT1G22360.1.1
GT1	382	AT1G22360.2.1	469	4.00E-34	191	364	275	443	0.452879581	Arabidopsis_thaliana	Plant	GT1_AT1G22360.2.1	Plant	Ath	Ath_AT1G22360.2.1	Ath_AT1G22360.2.1
GT1	382	AT1G22370.1.1	309	8.30E-39	184	364	96	283	0.471204189	Arabidopsis_thaliana	Plant	GT1_AT1G22370.1.1	Plant	Ath	Ath_AT1G22370.1.1	Ath_AT1G22370.1.1
GT1	382	AT1G22370.2.1	479	2.60E-38	185	364	267	453	0.468586387	Arabidopsis_thaliana	Plant	GT1_AT1G22370.2.1	Plant	Ath	Ath_AT1G22370.2.1	Ath_AT1G22370.2.1
GT1	382	AT1G22380.1.1	488	1.80E-37	187	364	274	458	0.463350785	Arabidopsis_thaliana	Plant	GT1_AT1G22380.1.1	Plant	Ath	Ath_AT1G22380.1.1	Ath_AT1G22380.1.1
GT1	382	AT1G22400.1.1	489	1.70E-38	190	366	278	454	0.460732984	Arabidopsis_thaliana	Plant	GT1_AT1G22400.1.1	Plant	Ath	Ath_AT1G22400.1.1	Ath_AT1G22400.1.1
GH100	458	AT1G22650.1.1	534	1.40E-233	2	458	66	522	0.995633188	Arabidopsis_thaliana	Plant	GH100_AT1G22650.1.1	Plant	Ath	Ath_AT1G22650.1.1	Ath_AT1G22650.1.1
GH100	458	AT1G22650.2.1	468	2.10E-194	2	381	66	447	0.827510917	Arabidopsis_thaliana	Plant	GH100_AT1G22650.2.1	Plant	Ath	Ath_AT1G22650.2.1	Ath_AT1G22650.2.1
GH9	418	AT1G22880.1.1	484	6.00E-133	1	418	24	476	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT1G22880.1.1	Plant	Ath	Ath_AT1G22880.1.1	Ath_AT1G22880.1.1
GH9	418	AT1G22880.2.1	400	7.80E-105	61	418	1	392	0.854066986	Arabidopsis_thaliana	Plant	GH9_AT1G22880.2.1	Plant	Ath	Ath_AT1G22880.2.1	Ath_AT1G22880.2.1
GH9	418	AT1G22880.3.1	337	1.10E-89	1	306	24	324	0.729665072	Arabidopsis_thaliana	Plant	GH9_AT1G22880.3.1	Plant	Ath	Ath_AT1G22880.3.1	Ath_AT1G22880.3.1
CE8	288	AT1G23200.1.1	554	1.90E-114	2	288	251	539	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT1G23200.1.1	Plant	Ath	Ath_AT1G23200.1.1	Ath_AT1G23200.1.1
GH9	418	AT1G23210.1.1	489	1.50E-131	1	417	28	482	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G23210.1.1	Plant	Ath	Ath_AT1G23210.1.1	Ath_AT1G23210.1.1
GH28	325	AT1G23460.1.1	460	2.20E-91	4	320	90	421	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT1G23460.1.1	Plant	Ath	Ath_AT1G23460.1.1	Ath_AT1G23460.1.1
GH28	325	AT1G23460.2.1	436	1.80E-91	4	320	66	397	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT1G23460.2.1	Plant	Ath	Ath_AT1G23460.2.1	Ath_AT1G23460.2.1
GT2	168	AT1G23480.1.1	556	1.00E-26	3	166	125	299	0.970238095	Arabidopsis_thaliana	Plant	GT2_AT1G23480.1.1	Plant	Ath	Ath_AT1G23480.1.1	Ath_AT1G23480.1.1
GT2	168	AT1G23480.2.1	556	1.00E-26	3	166	125	299	0.970238095	Arabidopsis_thaliana	Plant	GT2_AT1G23480.2.1	Plant	Ath	Ath_AT1G23480.2.1	Ath_AT1G23480.2.1
GT2	168	AT1G23480.3.1	484	7.70E-27	3	166	53	227	0.970238095	Arabidopsis_thaliana	Plant	GT2_AT1G23480.3.1	Plant	Ath	Ath_AT1G23480.3.1	Ath_AT1G23480.3.1
GT2	168	AT1G23480.4.1	411	1.40E-19	45	166	28	154	0.720238095	Arabidopsis_thaliana	Plant	GT2_AT1G23480.4.1	Plant	Ath	Ath_AT1G23480.4.1	Ath_AT1G23480.4.1
CE16	267	AT1G23500.1.1	345	1.10E-19	59	264	114	334	0.767790262	Arabidopsis_thaliana	Plant	CE16_AT1G23500.1.1	Plant	Ath	Ath_AT1G23500.1.1	Ath_AT1G23500.1.1
GT20	475	AT1G23870.1.1	867	9.20E-176	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G23870.1.1	Plant	Ath	Ath_AT1G23870.1.1	Ath_AT1G23870.1.1
GT2	168	AT1G24070.1.1	552	2.20E-30	2	167	126	302	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT1G24070.1.1	Plant	Ath	Ath_AT1G24070.1.1	Ath_AT1G24070.1.1
GT2	168	AT1G24070.2.1	406	1.10E-30	2	167	126	302	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT1G24070.2.1	Plant	Ath	Ath_AT1G24070.2.1	Ath_AT1G24070.2.1
GT1	382	AT1G24100.1.1	460	1.40E-33	122	363	151	436	0.630890052	Arabidopsis_thaliana	Plant	GT1_AT1G24100.1.1	Plant	Ath	Ath_AT1G24100.1.1	Ath_AT1G24100.1.1
AA2	255	AT1G24110.1.1	326	1.60E-50	14	251	45	303	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT1G24110.1.1	Plant	Ath	Ath_AT1G24110.1.1	Ath_AT1G24110.1.1
GT8	257	AT1G24170.1.1	393	1.50E-45	22	255	75	346	0.906614786	Arabidopsis_thaliana	Plant	GT8_AT1G24170.1.1	Plant	Ath	Ath_AT1G24170.1.1	Ath_AT1G24170.1.1
GH63	570	AT1G24320.1.1	789	7.50E-27	317	567	533	784	0.438596491	Arabidopsis_thaliana	Plant	GH63_AT1G24320.1.1	Plant	Ath	Ath_AT1G24320.1.1	Ath_AT1G24320.1.1
GH63	570	AT1G24320.2.1	758	7.00E-27	317	567	502	753	0.438596491	Arabidopsis_thaliana	Plant	GH63_AT1G24320.2.1	Plant	Ath	Ath_AT1G24320.2.1	Ath_AT1G24320.2.1
CE11	271	AT1G24793.1.1	326	2.00E-97	1	269	39	323	0.988929889	Arabidopsis_thaliana	Plant	CE11_AT1G24793.1.1	Plant	Ath	Ath_AT1G24793.1.1	Ath_AT1G24793.1.1
CE11	271	AT1G24793.2.1	258	3.20E-68	1	204	39	253	0.749077491	Arabidopsis_thaliana	Plant	CE11_AT1G24793.2.1	Plant	Ath	Ath_AT1G24793.2.1	Ath_AT1G24793.2.1
CE11	271	AT1G25054.1.1	326	2.00E-97	1	269	39	323	0.988929889	Arabidopsis_thaliana	Plant	CE11_AT1G25054.1.1	Plant	Ath	Ath_AT1G25054.1.1	Ath_AT1G25054.1.1
CE11	271	AT1G25145.1.1	326	2.00E-97	1	269	39	323	0.988929889	Arabidopsis_thaliana	Plant	CE11_AT1G25145.1.1	Plant	Ath	Ath_AT1G25145.1.1	Ath_AT1G25145.1.1
CE11	271	AT1G25210.1.1	258	3.20E-68	1	204	39	253	0.749077491	Arabidopsis_thaliana	Plant	CE11_AT1G25210.1.1	Plant	Ath	Ath_AT1G25210.1.1	Ath_AT1G25210.1.1
CE11	271	AT1G25210.2.1	326	2.00E-97	1	269	39	323	0.988929889	Arabidopsis_thaliana	Plant	CE11_AT1G25210.2.1	Plant	Ath	Ath_AT1G25210.2.1	Ath_AT1G25210.2.1
CBM57	147	AT1G25570.1.1	628	2.00E-17	9	146	212	359	0.931972789	Arabidopsis_thaliana	Plant	CBM57_AT1G25570.1.1	Plant	Ath	Ath_AT1G25570.1.1	Ath_AT1G25570.1.1
CBM57	147	AT1G25570.1.1	628	0.00000221	4	143	32	169	0.945578231	Arabidopsis_thaliana	Plant	CBM57_AT1G25570.1.1	Plant	Ath	Ath_AT1G25570.1.1	Ath_AT1G25570.1.1
CE10	341	AT1G26120.1.1	476	4.90E-46	69	316	181	428	0.724340176	Arabidopsis_thaliana	Plant	CE10_AT1G26120.1.1	Plant	Ath	Ath_AT1G26120.1.1	Ath_AT1G26120.1.1
AA7	458	AT1G26380.1.1	535	1.90E-78	4	231	66	297	0.495633188	Arabidopsis_thaliana	Plant	AA7_AT1G26380.1.1	Plant	Ath	Ath_AT1G26380.1.1	Ath_AT1G26380.1.1
AA7	458	AT1G26390.1.1	530	1.40E-85	13	458	75	524	0.971615721	Arabidopsis_thaliana	Plant	AA7_AT1G26390.1.1	Plant	Ath	Ath_AT1G26390.1.1	Ath_AT1G26390.1.1
AA7	458	AT1G26400.1.1	527	1.30E-77	13	219	75	285	0.449781659	Arabidopsis_thaliana	Plant	AA7_AT1G26400.1.1	Plant	Ath	Ath_AT1G26400.1.1	Ath_AT1G26400.1.1
AA7	458	AT1G26410.1.1	552	8.10E-85	16	458	102	546	0.965065502	Arabidopsis_thaliana	Plant	AA7_AT1G26410.1.1	Plant	Ath	Ath_AT1G26410.1.1	Ath_AT1G26410.1.1
AA7	458	AT1G26420.1.1	529	1.40E-75	16	220										

CBM48	76	AT1G27070.1.1	532	0.000049	15	66	458	514	0.671052632	Arabidopsis_thaliana	Plant	CBM48_AT1G27070.1.1	Plant	Ath	Ath_AT1G27070.1.1	Ath_AT1G27070.1.1
CBM13	188	AT1G27100.1.1	519	0.0000023	45	143	232	332	0.521276596	Arabidopsis_thaliana	Plant	CBM13_AT1G27100.1.1	Plant	Ath	Ath_AT1G27100.1.1	Ath_AT1G27100.1.1
GT41	705	AT1G27110.1.1	483	0.00000086	49	262	100	293	0.30212766	Arabidopsis_thaliana	Plant	GT41_AT1G27110.1.1	Plant	Ath	Ath_AT1G27110.1.1	Ath_AT1G27110.1.1
GT41	705	AT1G27110.4.1	444	0.00000007	49	262	100	293	0.30212766	Arabidopsis_thaliana	Plant	GT41_AT1G27110.4.1	Plant	Ath	Ath_AT1G27110.4.1	Ath_AT1G27110.4.1
GT31	192	AT1G27120.1.1	673	4.40E-71	2	186	440	621	0.958333333	Arabidopsis_thaliana	Plant	GT31_AT1G27120.1.1	Plant	Ath	Ath_AT1G27120.1.1	Ath_AT1G27120.1.1
GT31	192	AT1G27120.2.1	642	4.00E-71	2	186	409	590	0.958333333	Arabidopsis_thaliana	Plant	GT31_AT1G27120.2.1	Plant	Ath	Ath_AT1G27120.2.1	Ath_AT1G27120.2.1
GT92	279	AT1G27200.1.1	575	7.00E-14	6	235	294	513	0.820788531	Arabidopsis_thaliana	Plant	GT92_AT1G27200.1.1	Plant	Ath	Ath_AT1G27200.1.1	Ath_AT1G27200.1.1
GT47	296	AT1G27440.1.1	412	6.20E-79	4	296	45	340	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT1G27440.1.1	Plant	Ath	Ath_AT1G27440.1.1	Ath_AT1G27440.1.1
GH47	446	AT1G27520.1.1	574	1.90E-146	1	445	44	477	0.995515695	Arabidopsis_thaliana	Plant	GH47_AT1G27520.1.1	Plant	Ath	Ath_AT1G27520.1.1	Ath_AT1G27520.1.1
GT43	212	AT1G27600.1.1	394	2.60E-88	2	211	163	370	0.985849057	Arabidopsis_thaliana	Plant	GT43_AT1G27600.1.1	Plant	Ath	Ath_AT1G27600.1.1	Ath_AT1G27600.1.1
GT43	212	AT1G27600.2.1	394	2.60E-88	2	211	163	370	0.985849057	Arabidopsis_thaliana	Plant	GT43_AT1G27600.2.1	Plant	Ath	Ath_AT1G27600.2.1	Ath_AT1G27600.2.1
CBM57	147	AT1G28340.1.1	626	4.80E-24	12	147	208	360	0.918367347	Arabidopsis_thaliana	Plant	CBM57_AT1G28340.1.1	Plant	Ath	Ath_AT1G28340.1.1	Ath_AT1G28340.1.1
CE16	267	AT1G28570.1.1	389	1.90E-13	2	265	36	359	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G28570.1.1	Plant	Ath	Ath_AT1G28570.1.1	Ath_AT1G28570.1.1
CE16	267	AT1G28570.2.1	317	2.60E-09	115	265	103	287	0.561797753	Arabidopsis_thaliana	Plant	CE16_AT1G28570.2.1	Plant	Ath	Ath_AT1G28570.2.1	Ath_AT1G28570.2.1
CE16	267	AT1G28570.3.1	226	0.000000001	115	265	12	196	0.561797753	Arabidopsis_thaliana	Plant	CE16_AT1G28570.3.1	Plant	Ath	Ath_AT1G28570.3.1	Ath_AT1G28570.3.1
CE16	267	AT1G28580.1.1	390	4.50E-15	2	265	39	362	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G28580.1.1	Plant	Ath	Ath_AT1G28580.1.1	Ath_AT1G28580.1.1
CE16	267	AT1G28580.2.1	309	3.70E-14	58	265	33	281	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G28580.2.1	Plant	Ath	Ath_AT1G28580.2.1	Ath_AT1G28580.2.1
CE16	267	AT1G28590.1.1	403	1.50E-15	2	264	38	360	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28590.1.1	Plant	Ath	Ath_AT1G28590.1.1	Ath_AT1G28590.1.1
CE16	267	AT1G28600.1.1	393	2.10E-11	2	264	33	354	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28600.1.1	Plant	Ath	Ath_AT1G28600.1.1	Ath_AT1G28600.1.1
CE16	267	AT1G28610.2.1	383	1.10E-16	2	264	33	354	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28610.2.1	Plant	Ath	Ath_AT1G28610.2.1	Ath_AT1G28610.2.1
CE16	267	AT1G28640.1.1	389	1.50E-16	2	264	37	359	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28640.1.1	Plant	Ath	Ath_AT1G28640.1.1	Ath_AT1G28640.1.1
CE16	267	AT1G28650.1.1	385	2.30E-14	2	265	39	362	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G28650.1.1	Plant	Ath	Ath_AT1G28650.1.1	Ath_AT1G28650.1.1
CE16	267	AT1G28660.1.1	383	2.20E-13	2	264	37	359	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28660.1.1	Plant	Ath	Ath_AT1G28660.1.1	Ath_AT1G28660.1.1
CE16	267	AT1G28660.2.1	382	1.90E-13	2	264	37	358	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G28660.2.1	Plant	Ath	Ath_AT1G28660.2.1	Ath_AT1G28660.2.1
CE16	267	AT1G28670.1.1	384	2.90E-14	2	258	37	354	0.958801498	Arabidopsis_thaliana	Plant	CE16_AT1G28670.1.1	Plant	Ath	Ath_AT1G28670.1.1	Ath_AT1G28670.1.1
GT77	216	AT1G28695.1.1	329	3.40E-53	2	213	97	288	0.976851852	Arabidopsis_thaliana	Plant	GT77_AT1G28695.1.1	Plant	Ath	Ath_AT1G28695.1.1	Ath_AT1G28695.1.1
GT77	216	AT1G28700.1.1	338	8.20E-51	2	215	107	299	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G28700.1.1	Plant	Ath	Ath_AT1G28700.1.1	Ath_AT1G28700.1.1
GT77	216	AT1G28710.1.1	340	5.40E-50	2	215	106	301	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G28710.1.1	Plant	Ath	Ath_AT1G28710.1.1	Ath_AT1G28710.1.1
GT77	216	AT1G28710.3.1	340	5.40E-50	2	215	106	301	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G28710.3.1	Plant	Ath	Ath_AT1G28710.3.1	Ath_AT1G28710.3.1
GT77	216	AT1G28710.4.1	340	5.40E-50	2	215	106	301	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G28710.4.1	Plant	Ath	Ath_AT1G28710.4.1	Ath_AT1G28710.4.1
CBM43	83	AT1G29380.1.1	315	3.00E-31	1	83	148	230	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT1G29380.1.1	Plant	Ath	Ath_AT1G29380.1.1	Ath_AT1G29380.1.1
CBM43	83	AT1G29380.2.1	228	6.20E-30	1	80	148	227	0.951807229	Arabidopsis_thaliana	Plant	CBM43_AT1G29380.2.1	Plant	Ath	Ath_AT1G29380.2.1	Ath_AT1G29380.2.1
CBM43	83	AT1G29380.3.1	261	2.10E-31	1	83	148	230	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT1G29380.3.1	Plant	Ath	Ath_AT1G29380.3.1	Ath_AT1G29380.3.1
CBM43	83	AT1G29380.4.1	228	6.20E-30	1	80	148	227	0.951807229	Arabidopsis_thaliana	Plant	CBM43_AT1G29380.4.1	Plant	Ath	Ath_AT1G29380.4.1	Ath_AT1G29380.4.1
CE16	267	AT1G29660.1.1	364	1.90E-28	4	264	36	342	0.973782772	Arabidopsis_thaliana	Plant	CE16_AT1G29660.1.1	Plant	Ath	Ath_AT1G29660.1.1	Ath_AT1G29660.1.1
CE16	267	AT1G29670.1.1	363	3.50E-25	2	264	34	341	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G29670.1.1	Plant	Ath	Ath_AT1G29670.1.1	Ath_AT1G29670.1.1
CE16	267	AT1G29670.2.1	431	6.20E-25	2	264	102	409	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G29670.2.1	Plant	Ath	Ath_AT1G29670.2.1	Ath_AT1G29670.2.1
CBM57	147	AT1G29720.1.1	1019	5.10E-27	2	136	407	582	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29720.1.1	Plant	Ath	Ath_AT1G29720.1.1	Ath_AT1G29720.1.1
CBM57	147	AT1G29730.1.1	969	4.20E-24	3	137	413	578	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29730.1.1	Plant	Ath	Ath_AT1G29730.1.1	Ath_AT1G29730.1.1
CBM57	147	AT1G29730.2.1	1001	4.40E-24	3	137	413	578	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29730.2.1	Plant	Ath	Ath_AT1G29730.2.1	Ath_AT1G29730.2.1
CBM57	147	AT1G29730.3.1	947	4.00E-24	3	137	413	578	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29730.3.1	Plant	Ath	Ath_AT1G29730.3.1	Ath_AT1G29730.3.1
CBM57	147	AT1G29730.4.1	915	3.80E-24	3	137	413	578	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29730.4.1	Plant	Ath	Ath_AT1G29730.4.1	Ath_AT1G29730.4.1
CBM57	147	AT1G29740.1.1	1078	5.20E-24	3	143	413	584	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT1G29740.1.1	Plant	Ath	Ath_AT1G29740.1.1	Ath_AT1G29740.1.1
CBM57	147	AT1G29740.2.1	1011	4.80E-24	3	143	413	584	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT1G29740.2.1	Plant	Ath	Ath_AT1G29740.2.1	Ath_AT1G29740.2.1
CBM57	147	AT1G29750.1.1	1006	1.80E-23	2	136	403	578	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29750.1.1	Plant	Ath	Ath_AT1G29750.1.1	Ath_AT1G29750.1.1
CBM57	147	AT1G29750.2.1	1021	1.90E-23	2	136	418	593	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29750.2.1	Plant	Ath	Ath_AT1G29750.2.1	Ath_AT1G29750.2.1
CBM57	147	AT1G29750.3.1	849	1.40E-23	2	136	418	593	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT1G29750.3.1	Plant	Ath	Ath_AT1G29750.3.1	Ath_AT1G29750.3.1
CBM16	116	AT1G29980.1.1	407	0.00000036	1	114	215	359	0.974137931	Arabidopsis_thaliana	Plant	CBM16_AT1G29980.1.1	Plant	Ath	Ath_AT1G29980.1.1	Ath_AT1G29980.1.1
CBM16	116	AT1G29980.2.1	371	0.00000003	1	114	179	323	0.974137931	Arabidopsis_thaliana	Plant	CBM16_AT1G29980.2.1	Plant	Ath	Ath_AT1G29980.2.1	Ath_AT1G29980.2.1
GH47	446	AT1G30000.1.1	624	3.30E-154	1	446	135	620	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT1G30000.1.1	Plant	Ath	Ath_AT1G30000.1.1	Ath_AT1G30000.1.1
GH47	446	AT1G30000.2.1	644	3.70E-154	1	446	155	640	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT1G30000.2.1	Plant	Ath	Ath_AT1G30000.2.1	Ath_AT1G30000.2.1
GH17	311	AT1G30080.1.1	408	1.50E-109	1	309	36	352	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G30080.1.1	Plant	Ath	Ath_AT1G30080.1.1	Ath_AT1G30080.1.1
GH17	311	AT1G30080.2.1	385	1.20E-109	1	309	36	352	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G30080.2.1	Plant	Ath	Ath_AT1G30080.2.1	Ath_AT1G30080.2.1
PL1	202	AT1G30350.1.1	368	1.80E-60	21	200	106	288	0.886138614	Arabidopsis_thaliana	Plant	PL1_AT1G30350.1.1	Plant	Ath	Ath_AT1G30350.1.1	Ath_AT1G30350.1.1
GT1	382	AT1G30530.1.1	453	1.30E-33	6	366	15	431	0.942408377	Arabidopsis_thaliana	Plant	GT1_AT1G30530.1.1	Plant	Ath	Ath_AT1G30530.1.1	Ath_AT1G30530.1.1
CBM57	147	AT1G30570.1.1	849	4.10E-17	2	135	229	383	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT1G30570.1.1	Plant	Ath	Ath_AT1G30570.1.1	Ath_AT1G30570.1.1
CBM57	147	AT1G30570.1.1	849	1.00E-13	4	129	35	163	0.850340136	Arabidopsis_thaliana	Plant	CBM57_AT1G30570.1.1	Plant	Ath	Ath_AT1G30570.1.1	Ath_AT1G30570.1.1
AA7	458	AT1G30700.1.1	527	4.50E-81	3	236	63	302	0.508733625	Arabidopsis_thaliana	Plant	AA7_AT1G30700.1.1	Plant	Ath	Ath_AT1G30700.1.1	Ath_AT1G30700.1.1
AA7	458	AT1G30710.1.1	531	7.90E-90	3	458	69	525	0.993449782	Arabidopsis_thaliana	Plant	AA7_AT1G30710.1.1	Plant	Ath	Ath_AT1G30710.1.1	Ath_AT1G30710.1.1
AA7	458	AT1G30720.1.1	527	1.20E-76	6	458	68	523	0.986899563	Arabidopsis_thaliana	Plant	AA7_AT1G30720.1.1	Plant	Ath	Ath_AT1G30720.1.1	Ath_AT1G30720.1.1
AA7	458	AT1G30730.1.1	526	2.20E-77	5	458	66	522	0.989082969	Arabidopsis_thaliana	Plant	AA7_AT1G30730.1.1	Plant	Ath	Ath_AT1G30730.1.1	Ath_AT1G30730.1.1
AA7	458	AT1G30740.1.1	533	1.10E-96	4	458	66	525	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT1G30740.1.1	Plant	Ath	Ath_AT1G30740.1.1	Ath_AT1G30740.1.1
AA7	458	AT1G30740.2.1	536	1.10E-96	4	458	69	528	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT1G30740.2.1	Plant	Ath	Ath_AT1G30740.2.1	Ath_AT1G30740.2.1
AA7	458	AT1G30760.1.1	534	1.90E-77	4	233	73	308	0.5	Arabidopsis_thaliana	Plant	AA7_AT1G30760.1.1	Plant	Ath	Ath_AT1G30760.1.1	Ath_AT1G30760.1.1
AA7	458	AT1G30760.2.1	552	2.10E-77	4	233	91	326	0.5	Arabidopsis_thaliana	Plant	AA7_AT1G30760.2.1	Plant	Ath	Ath_AT1G30760.2.1	Ath_AT1G30760.2.1
AA2</																

GT2_Cellulose_synt	722	AT1G32180.2.1	979	0	1	712	206	969	0.984764543	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT1G32180.2.1	Plant	Ath	Ath_AT1G32180.2.1	Ath_AT1G32180.2.1
AA7	458	AT1G32300.1.1	595	4.60E-10	17	194	53	241	0.386462882	Arabidopsis_thaliana	Plant	AA7_AT1G32300.1.1	Plant	Ath	Ath_AT1G32300.1.1	Ath_AT1G32300.1.1
GH17	311	AT1G32860.1.1	426	4.50E-113	1	311	29	349	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT1G32860.1.1	Plant	Ath	Ath_AT1G32860.1.1	Ath_AT1G32860.1.1
GT5	472	AT1G32900.1.1	610	2.00E-152	2	470	86	582	0.991525424	Arabidopsis_thaliana	Plant	GT5_AT1G32900.1.1	Plant	Ath	Ath_AT1G32900.1.1	Ath_AT1G32900.1.1
GT31	192	AT1G32930.1.1	399	1.10E-51	1	191	144	340	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G32930.1.1	Plant	Ath	Ath_AT1G32930.1.1	Ath_AT1G32930.1.1
GH17	311	AT1G33220.1.1	335	2.40E-93	1	287	34	324	0.919614148	Arabidopsis_thaliana	Plant	GH17_AT1G33220.1.1	Plant	Ath	Ath_AT1G33220.1.1	Ath_AT1G33220.1.1
GT31	192	AT1G33250.1.1	548	4.50E-12	75	187	218	317	0.583333333	Arabidopsis_thaliana	Plant	GT31_AT1G33250.1.1	Plant	Ath	Ath_AT1G33250.1.1	Ath_AT1G33250.1.1
GT31	192	AT1G33430.1.1	395	4.90E-55	1	191	138	334	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G33430.1.1	Plant	Ath	Ath_AT1G33430.1.1	Ath_AT1G33430.1.1
GT31	192	AT1G33430.2.1	403	2.50E-51	1	191	138	342	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G33430.2.1	Plant	Ath	Ath_AT1G33430.2.1	Ath_AT1G33430.2.1
GT31	192	AT1G33430.3.1	308	1.30E-46	1	161	138	307	0.833333333	Arabidopsis_thaliana	Plant	GT31_AT1G33430.3.1	Plant	Ath	Ath_AT1G33430.3.1	Ath_AT1G33430.3.1
GH116	363	AT1G33700.1.1	947	5.90E-150	1	363	520	881	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT1G33700.1.1	Plant	Ath	Ath_AT1G33700.1.1	Ath_AT1G33700.1.1
GH116	363	AT1G33700.2.1	947	5.90E-150	1	363	520	881	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT1G33700.2.1	Plant	Ath	Ath_AT1G33700.2.1	Ath_AT1G33700.2.1
GH116	363	AT1G33700.3.1	947	5.90E-150	1	363	520	881	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT1G33700.3.1	Plant	Ath	Ath_AT1G33700.3.1	Ath_AT1G33700.3.1
GH116	363	AT1G33700.4.1	851	6.70E-136	1	334	520	850	0.917355372	Arabidopsis_thaliana	Plant	GH116_AT1G33700.4.1	Plant	Ath	Ath_AT1G33700.4.1	Ath_AT1G33700.4.1
CE16	267	AT1G33811.1.1	370	7.20E-18	1	264	35	350	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G33811.1.1	Plant	Ath	Ath_AT1G33811.1.1	Ath_AT1G33811.1.1
GT66	693	AT1G34130.1.1	735	1.10E-181	8	601	41	685	0.855699856	Arabidopsis_thaliana	Plant	GT66_AT1G34130.1.1	Plant	Ath	Ath_AT1G34130.1.1	Ath_AT1G34130.1.1
GH109	126	AT1G34200.1.1	352	3.40E-12	1	125	7	126	0.984126984	Arabidopsis_thaliana	Plant	GH109_AT1G34200.1.1	Plant	Ath	Ath_AT1G34200.1.1	Ath_AT1G34200.1.1
GT47	296	AT1G34270.1.1	477	2.00E-68	3	289	55	395	0.966216216	Arabidopsis_thaliana	Plant	GT47_AT1G34270.1.1	Plant	Ath	Ath_AT1G34270.1.1	Ath_AT1G34270.1.1
AA2	255	AT1G34510.1.1	310	2.70E-44	17	253	48	292	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT1G34510.1.1	Plant	Ath	Ath_AT1G34510.1.1	Ath_AT1G34510.1.1
AA7	458	AT1G34575.1.1	527	7.90E-89	4	458	67	521	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT1G34575.1.1	Plant	Ath	Ath_AT1G34575.1.1	Ath_AT1G34575.1.1
GT68	350	AT1G35510.1.1	568	0.00000001	162	347	261	497	0.528571429	Arabidopsis_thaliana	Plant	GT68_AT1G35510.1.1	Plant	Ath	Ath_AT1G35510.1.1	Ath_AT1G35510.1.1
GH100	458	AT1G35580.1.1	551	7.30E-231	2	457	81	536	0.993449782	Arabidopsis_thaliana	Plant	GH100_AT1G35580.1.1	Plant	Ath	Ath_AT1G35580.1.1	Ath_AT1G35580.1.1
GH100	458	AT1G35580.2.1	551	7.30E-231	2	457	81	536	0.993449782	Arabidopsis_thaliana	Plant	GH100_AT1G35580.2.1	Plant	Ath	Ath_AT1G35580.2.1	Ath_AT1G35580.2.1
GH100	458	AT1G35580.3.1	460	2.30E-192	2	375	81	456	0.81441048	Arabidopsis_thaliana	Plant	GH100_AT1G35580.3.1	Plant	Ath	Ath_AT1G35580.3.1	Ath_AT1G35580.3.1
AA1	943	AT1G41830.1.1	542	3.20E-144	449	913	47	497	0.49204666	Arabidopsis_thaliana	Plant	AA1_AT1G41830.1.1	Plant	Ath	Ath_AT1G41830.1.1	Ath_AT1G41830.1.1
GH28	325	AT1G43080.1.1	404	7.80E-86	6	323	57	392	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT1G43080.1.1	Plant	Ath	Ath_AT1G43080.1.1	Ath_AT1G43080.1.1
GH28	325	AT1G43090.1.1	444	6.60E-86	6	323	57	392	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT1G43090.1.1	Plant	Ath	Ath_AT1G43090.1.1	Ath_AT1G43090.1.1
GH28	325	AT1G43100.1.1	444	7.50E-85	6	323	57	392	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT1G43100.1.1	Plant	Ath	Ath_AT1G43100.1.1	Ath_AT1G43100.1.1
GT1	382	AT1G43620.1.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.1.1	Plant	Ath	Ath_AT1G43620.1.1	Ath_AT1G43620.1.1
GT1	382	AT1G43620.2.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.2.1	Plant	Ath	Ath_AT1G43620.2.1	Ath_AT1G43620.2.1
GT1	382	AT1G43620.3.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.3.1	Plant	Ath	Ath_AT1G43620.3.1	Ath_AT1G43620.3.1
GT1	382	AT1G43620.4.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.4.1	Plant	Ath	Ath_AT1G43620.4.1	Ath_AT1G43620.4.1
GT1	382	AT1G43620.5.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.5.1	Plant	Ath	Ath_AT1G43620.5.1	Ath_AT1G43620.5.1
GT1	382	AT1G43620.6.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.6.1	Plant	Ath	Ath_AT1G43620.6.1	Ath_AT1G43620.6.1
GT1	382	AT1G43620.7.1	615	2.00E-57	4	380	163	573	0.984293194	Arabidopsis_thaliana	Plant	GT1_AT1G43620.7.1	Plant	Ath	Ath_AT1G43620.7.1	Ath_AT1G43620.7.1
GT1	382	AT1G43620.8.1	443	1.40E-57	20	380	10	401	0.942408377	Arabidopsis_thaliana	Plant	GT1_AT1G43620.8.1	Plant	Ath	Ath_AT1G43620.8.1	Ath_AT1G43620.8.1
AA2	255	AT1G44970.1.1	346	1.10E-57	16	252	70	328	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT1G44970.1.1	Plant	Ath	Ath_AT1G44970.1.1	Ath_AT1G44970.1.1
CE8	288	AT1G44980.1.1	246	1.40E-52	1	169	77	243	0.583333333	Arabidopsis_thaliana	Plant	CE8_AT1G44980.1.1	Plant	Ath	Ath_AT1G44980.1.1	Ath_AT1G44980.1.1
GH35	307	AT1G45130.1.1	732	9.30E-119	2	306	39	341	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT1G45130.1.1	Plant	Ath	Ath_AT1G45130.1.1	Ath_AT1G45130.1.1
GH35	307	AT1G45130.2.1	653	1.70E-89	55	306	13	262	0.817589577	Arabidopsis_thaliana	Plant	GH35_AT1G45130.2.1	Plant	Ath	Ath_AT1G45130.2.1	Ath_AT1G45130.2.1
GH1	429	AT1G45191.1.1	529	4.40E-152	2	425	31	507	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G45191.1.1	Plant	Ath	Ath_AT1G45191.1.1	Ath_AT1G45191.1.1
GH1	429	AT1G45191.2.1	512	1.60E-153	2	425	31	490	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G45191.2.1	Plant	Ath	Ath_AT1G45191.2.1	Ath_AT1G45191.2.1
GH1	429	AT1G45191.3.1	416	2.70E-118	2	297	31	341	0.687645688	Arabidopsis_thaliana	Plant	GH1_AT1G45191.3.1	Plant	Ath	Ath_AT1G45191.3.1	Ath_AT1G45191.3.1
GH1	429	AT1G45191.4.1	506	2.40E-158	2	425	31	484	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G45191.4.1	Plant	Ath	Ath_AT1G45191.4.1	Ath_AT1G45191.4.1
GH1	429	AT1G45191.5.1	411	3.80E-118	2	297	31	341	0.687645688	Arabidopsis_thaliana	Plant	GH1_AT1G45191.5.1	Plant	Ath	Ath_AT1G45191.5.1	Ath_AT1G45191.5.1
GH1	429	AT1G45191.6.1	517	2.30E-153	2	425	31	495	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G45191.6.1	Plant	Ath	Ath_AT1G45191.6.1	Ath_AT1G45191.6.1
CE10	341	AT1G47480.1.1	314	7.90E-49	61	334	37	310	0.80058651	Arabidopsis_thaliana	Plant	CE10_AT1G47480.1.1	Plant	Ath	Ath_AT1G47480.1.1	Ath_AT1G47480.1.1
GH1	429	AT1G47600.1.1	511	5.90E-153	3	425	48	510	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT1G47600.1.1	Plant	Ath	Ath_AT1G47600.1.1	Ath_AT1G47600.1.1
GH1	429	AT1G47600.2.1	510	4.90E-153	3	425	48	509	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT1G47600.2.1	Plant	Ath	Ath_AT1G47600.2.1	Ath_AT1G47600.2.1
GH28	325	AT1G48100.1.1	475	5.70E-91	6	308	105	432	0.929230769	Arabidopsis_thaliana	Plant	GH28_AT1G48100.1.1	Plant	Ath	Ath_AT1G48100.1.1	Ath_AT1G48100.1.1
CBM49	78	AT1G48930.1.1	627	5.20E-31	1	78	535	614	0.987179487	Arabidopsis_thaliana	Plant	CBM49_AT1G48930.1.1	Plant	Ath	Ath_AT1G48930.1.1	Ath_AT1G48930.1.1
GH9	418	AT1G48930.1.1	627	6.00E-138	1	418	30	491	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT1G48930.1.1	Plant	Ath	Ath_AT1G48930.1.1	Ath_AT1G48930.1.1
CBM57	147	AT1G49100.1.1	888	0.00048	57	102	258	305	0.306122449	Arabidopsis_thaliana	Plant	CBM57_AT1G49100.1.1	Plant	Ath	Ath_AT1G49100.1.1	Ath_AT1G49100.1.1
AA2	255	AT1G49570.1.1	350	2.40E-56	15	253	72	333	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT1G49570.1.1	Plant	Ath	Ath_AT1G49570.1.1	Ath_AT1G49570.1.1
CE10	341	AT1G49640.1.1	315	1.40E-54	58	333	32	313	0.806451613	Arabidopsis_thaliana	Plant	CE10_AT1G49640.1.1	Plant	Ath	Ath_AT1G49640.1.1	Ath_AT1G49640.1.1
CE10	341	AT1G49650.1.1	374	2.00E-56	54	333	83	372	0.818181818	Arabidopsis_thaliana	Plant	CE10_AT1G49650.1.1	Plant	Ath	Ath_AT1G49650.1.1	Ath_AT1G49650.1.1
CE10	341	AT1G49660.1.1	319	5.30E-56	62	333	35	317	0.794721408	Arabidopsis_thaliana	Plant	CE10_AT1G49660.1.1	Plant	Ath	Ath_AT1G49660.1.1	Ath_AT1G49660.1.1
GT10	347	AT1G49710.1.1	513	2.20E-63	97	338	156	389	0.694524496	Arabidopsis_thaliana	Plant	GT10_AT1G49710.1.1	Plant	Ath	Ath_AT1G49710.1.1	Ath_AT1G49710.1.1
CE7	313	AT1G50380.1.1	710	0.00000094	152	271	529	647	0.380191693	Arabidopsis_thaliana	Plant	CE7_AT1G50380.1.1	Plant	Ath	Ath_AT1G50380.1.1	Ath_AT1G50380.1.1
CE7	313	AT1G50380.2.1	776	0.0000011	152	271	595	713	0.380191693	Arabidopsis_thaliana	Plant	CE7_AT1G50380.2.1	Plant	Ath	Ath_AT1G50380.2.1	Ath_AT1G50380.2.1
GT1	382	AT1G50580.1.1	448	5.80E-17	6	360	16	417	0.926701571	Arabidopsis_thaliana	Plant	GT1_AT1G50580.1.1	Plant	Ath	Ath_AT1G50580.1.1	Ath_AT1G50580.1.1
GT1	382	AT1G51210.1.1	433	3.60E-23	146	337	117	405	0.5	Arabidopsis_thaliana	Plant	GT1_AT1G51210.1.1	Plant	Ath	Ath_AT1G51210.1.1	Ath_AT1G51210.1.1
GH1	429	AT1G51470.1.1	511	2.90E-154	3	425	48	510	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT1G51470.1.1	Plant	Ath	Ath_AT1G51470.1.1	Ath_AT1G51470.1.1
GH1	429	AT1G51490.1.1	412	9.20E-93	7	298	27	335	0.678321678	Arabidopsis_thaliana	Plant	GH1_AT1G51490.1.1	Plant	Ath	Ath_AT1G51490.1.1	Ath_AT1G51490.1.1
GH47	446	AT1G51590.1.1	560	1.90E-159	1	446	104	536	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT1G51590.1.1	Plant	Ath	Ath_AT1G51590.1.1	Ath_AT1G51590.1.1
GH47	446	AT1G51590.2.1	456	1.80E												

GH1	429	AT1G52400.3.1	528	5.80E-159	4	425	43	516	0.981351981	Arabidopsis_thaliana	Plant	GH1_AT1G52400.3.1	Plant	Ath	Ath_AT1G52400.3.1	Ath_AT1G52400.3.1
GT4	160	AT1G52420.1.1	670	1.60E-18	54	157	526	638	0.64375	Arabidopsis_thaliana	Plant	GT4_AT1G52420.1.1	Plant	Ath	Ath_AT1G52420.1.1	Ath_AT1G52420.1.1
CE1	227	AT1G52700.1.1	204	0.0000012	10	124	23	140	0.502202643	Arabidopsis_thaliana	Plant	CE1_AT1G52700.1.1	Plant	Ath	Ath_AT1G52700.1.1	Ath_AT1G52700.1.1
CE1	227	AT1G52700.2.1	255	0.00000089	10	128	23	145	0.519823789	Arabidopsis_thaliana	Plant	CE1_AT1G52700.2.1	Plant	Ath	Ath_AT1G52700.2.1	Ath_AT1G52700.2.1
CE1	227	AT1G52700.3.1	255	0.00000089	10	128	23	145	0.519823789	Arabidopsis_thaliana	Plant	CE1_AT1G52700.3.1	Plant	Ath	Ath_AT1G52700.3.1	Ath_AT1G52700.3.1
CE1	227	AT1G52700.4.1	246	0.00000082	10	128	14	136	0.519823789	Arabidopsis_thaliana	Plant	CE1_AT1G52700.4.1	Plant	Ath	Ath_AT1G52700.4.1	Ath_AT1G52700.4.1
CE1	227	AT1G52700.6.1	204	0.0000012	10	124	23	140	0.502202643	Arabidopsis_thaliana	Plant	CE1_AT1G52700.6.1	Plant	Ath	Ath_AT1G52700.6.1	Ath_AT1G52700.6.1
GT14	250	AT1G53100.1.1	423	2.30E-86	1	248	83	336	0.988	Arabidopsis_thaliana	Plant	GT14_AT1G53100.1.1	Plant	Ath	Ath_AT1G53100.1.1	Ath_AT1G53100.1.1
GT14	250	AT1G53100.2.1	416	2.20E-86	1	248	83	336	0.988	Arabidopsis_thaliana	Plant	GT14_AT1G53100.2.1	Plant	Ath	Ath_AT1G53100.2.1	Ath_AT1G53100.2.1
GT31	192	AT1G53290.1.1	345	1.70E-63	2	191	101	293	0.984375	Arabidopsis_thaliana	Plant	GT31_AT1G53290.1.1	Plant	Ath	Ath_AT1G53290.1.1	Ath_AT1G53290.1.1
CBM57	147	AT1G53420.1.1	953	6.40E-26	3	147	367	548	0.979591837	Arabidopsis_thaliana	Plant	CBM57_AT1G53420.1.1	Plant	Ath	Ath_AT1G53420.1.1	Ath_AT1G53420.1.1
CBM57	147	AT1G53430.1.1	1038	4.50E-22	4	146	412	591	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT1G53430.1.1	Plant	Ath	Ath_AT1G53430.1.1	Ath_AT1G53430.1.1
CBM57	147	AT1G53430.2.1	997	4.20E-22	4	146	371	550	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT1G53430.2.1	Plant	Ath	Ath_AT1G53430.2.1	Ath_AT1G53430.2.1
CBM57	147	AT1G53440.1.1	1035	1.20E-22	4	146	410	589	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT1G53440.1.1	Plant	Ath	Ath_AT1G53440.1.1	Ath_AT1G53440.1.1
GT68	350	AT1G53770.1.1	563	1.80E-77	35	343	239	541	0.88	Arabidopsis_thaliana	Plant	GT68_AT1G53770.1.1	Plant	Ath	Ath_AT1G53770.1.1	Ath_AT1G53770.1.1
GT68	350	AT1G53770.2.1	601	1.40E-73	35	343	239	579	0.88	Arabidopsis_thaliana	Plant	GT68_AT1G53770.2.1	Plant	Ath	Ath_AT1G53770.2.1	Ath_AT1G53770.2.1
CE8	288	AT1G53830.1.1	587	3.90E-113	2	287	277	571	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT1G53830.1.1	Plant	Ath	Ath_AT1G53830.1.1	Ath_AT1G53830.1.1
CE8	288	AT1G53840.1.1	586	4.20E-104	1	287	280	571	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT1G53840.1.1	Plant	Ath	Ath_AT1G53840.1.1	Ath_AT1G53840.1.1
CE16	267	AT1G53920.1.1	385	5.10E-24	1	263	49	358	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT1G53920.1.1	Plant	Ath	Ath_AT1G53920.1.1	Ath_AT1G53920.1.1
CE16	267	AT1G53940.1.1	305	5.00E-19	3	230	42	299	0.850187266	Arabidopsis_thaliana	Plant	CE16_AT1G53940.1.1	Plant	Ath	Ath_AT1G53940.1.1	Ath_AT1G53940.1.1
CE16	267	AT1G53940.2.1	376	5.80E-25	3	264	42	354	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT1G53940.2.1	Plant	Ath	Ath_AT1G53940.2.1	Ath_AT1G53940.2.1
CE16	267	AT1G53990.1.1	367	1.70E-25	1	264	36	343	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G53990.1.1	Plant	Ath	Ath_AT1G53990.1.1	Ath_AT1G53990.1.1
CE16	267	AT1G54000.1.1	391	3.60E-17	1	264	37	336	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT1G54000.1.1	Plant	Ath	Ath_AT1G54000.1.1	Ath_AT1G54000.1.1
CE16	267	AT1G54010.1.1	386	3.90E-15	1	262	37	334	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT1G54010.1.1	Plant	Ath	Ath_AT1G54010.1.1	Ath_AT1G54010.1.1
CE16	267	AT1G54020.1.1	286	6.70E-15	80	264	38	242	0.689138577	Arabidopsis_thaliana	Plant	CE16_AT1G54020.1.1	Plant	Ath	Ath_AT1G54020.1.1	Ath_AT1G54020.1.1
CE16	267	AT1G54020.2.1	372	1.40E-14	79	264	123	328	0.692883895	Arabidopsis_thaliana	Plant	CE16_AT1G54020.2.1	Plant	Ath	Ath_AT1G54020.2.1	Ath_AT1G54020.2.1
CE16	267	AT1G54020.3.1	286	6.70E-15	80	264	38	242	0.689138577	Arabidopsis_thaliana	Plant	CE16_AT1G54020.3.1	Plant	Ath	Ath_AT1G54020.3.1	Ath_AT1G54020.3.1
CE16	267	AT1G54020.4.1	237	1.60E-13	107	264	11	193	0.588014981	Arabidopsis_thaliana	Plant	CE16_AT1G54020.4.1	Plant	Ath	Ath_AT1G54020.4.1	Ath_AT1G54020.4.1
CE16	267	AT1G54020.5.1	286	6.70E-15	80	264	38	242	0.689138577	Arabidopsis_thaliana	Plant	CE16_AT1G54020.5.1	Plant	Ath	Ath_AT1G54020.5.1	Ath_AT1G54020.5.1
CE16	267	AT1G54030.1.1	417	2.50E-20	1	260	53	338	0.970037453	Arabidopsis_thaliana	Plant	CE16_AT1G54030.1.1	Plant	Ath	Ath_AT1G54030.1.1	Ath_AT1G54030.1.1
CE16	267	AT1G54030.2.1	313	1.20E-16	1	227	53	292	0.846441948	Arabidopsis_thaliana	Plant	CE16_AT1G54030.2.1	Plant	Ath	Ath_AT1G54030.2.1	Ath_AT1G54030.2.1
CE16	267	AT1G54790.1.1	382	2.50E-20	59	266	105	360	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G54790.1.1	Plant	Ath	Ath_AT1G54790.1.1	Ath_AT1G54790.1.1
CE16	267	AT1G54790.2.1	408	2.00E-19	59	266	105	386	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G54790.2.1	Plant	Ath	Ath_AT1G54790.2.1	Ath_AT1G54790.2.1
CE16	267	AT1G54790.3.1	383	3.30E-21	2	266	34	361	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT1G54790.3.1	Plant	Ath	Ath_AT1G54790.3.1	Ath_AT1G54790.3.1
GT8	257	AT1G54940.1.1	557	1.70E-35	24	254	267	474	0.894941634	Arabidopsis_thaliana	Plant	GT8_AT1G54940.1.1	Plant	Ath	Ath_AT1G54940.1.1	Ath_AT1G54940.1.1
CBM50	40	AT1G55000.1.1	221	0.00000019	1	40	76	119	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G55000.1.1	Plant	Ath	Ath_AT1G55000.1.1	Ath_AT1G55000.1.1
CBM50	40	AT1G55000.2.1	221	0.00000019	1	40	76	119	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G55000.2.1	Plant	Ath	Ath_AT1G55000.2.1	Ath_AT1G55000.2.1
CBM50	40	AT1G55000.3.1	221	0.00000019	1	40	76	119	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G55000.3.1	Plant	Ath	Ath_AT1G55000.3.1	Ath_AT1G55000.3.1
GH32	293	AT1G55120.1.1	594	8.70E-89	1	293	43	365	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT1G55120.1.1	Plant	Ath	Ath_AT1G55120.1.1	Ath_AT1G55120.1.1
GH32	293	AT1G55120.2.1	555	1.20E-79	14	293	17	326	0.95221843	Arabidopsis_thaliana	Plant	GH32_AT1G55120.2.1	Plant	Ath	Ath_AT1G55120.2.1	Ath_AT1G55120.2.1
GH32	293	AT1G55120.3.1	579	8.10E-80	13	293	40	350	0.955631399	Arabidopsis_thaliana	Plant	GH32_AT1G55120.3.1	Plant	Ath	Ath_AT1G55120.3.1	Ath_AT1G55120.3.1
GH32	293	AT1G55120.4.1	554	1.40E-82	10	293	12	325	0.965870307	Arabidopsis_thaliana	Plant	GH32_AT1G55120.4.1	Plant	Ath	Ath_AT1G55120.4.1	Ath_AT1G55120.4.1
AA1	943	AT1G55560.1.1	549	3.40E-148	450	912	38	501	0.489925769	Arabidopsis_thaliana	Plant	AA1_AT1G55560.1.1	Plant	Ath	Ath_AT1G55560.1.1	Ath_AT1G55560.1.1
AA1	943	AT1G55570.1.1	555	1.50E-159	447	912	45	505	0.493107105	Arabidopsis_thaliana	Plant	AA1_AT1G55570.1.1	Plant	Ath	Ath_AT1G55570.1.1	Ath_AT1G55570.1.1
GT2_Cellulose_synt	722	AT1G55850.1.1	729	2.00E-89	1	302	111	403	0.416897507	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT1G55850.1.1	Plant	Ath	Ath_AT1G55850.1.1	Ath_AT1G55850.1.1
GT2_Cellulose_synt	722	AT1G55850.1.1	729	7.80E-52	400	698	418	720	0.412742382	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT1G55850.1.1	Plant	Ath	Ath_AT1G55850.1.1	Ath_AT1G55850.1.1
CBM57	147	AT1G56120.1.1	1047	3.70E-22	3	141	446	613	0.93877551	Arabidopsis_thaliana	Plant	CBM57_AT1G56120.1.1	Plant	Ath	Ath_AT1G56120.1.1	Ath_AT1G56120.1.1
CBM57	147	AT1G56120.2.1	1029	3.60E-22	3	141	428	595	0.93877551	Arabidopsis_thaliana	Plant	CBM57_AT1G56120.2.1	Plant	Ath	Ath_AT1G56120.2.1	Ath_AT1G56120.2.1
CBM57	147	AT1G56120.3.1	881	2.80E-22	3	142	280	448	0.945578231	Arabidopsis_thaliana	Plant	CBM57_AT1G56120.3.1	Plant	Ath	Ath_AT1G56120.3.1	Ath_AT1G56120.3.1
CBM57	147	AT1G56130.1.1	884	1.70E-21	3	142	280	450	0.945578231	Arabidopsis_thaliana	Plant	CBM57_AT1G56130.1.1	Plant	Ath	Ath_AT1G56130.1.1	Ath_AT1G56130.1.1
CBM57	147	AT1G56130.2.1	1032	2.10E-21	3	141	428	597	0.93877551	Arabidopsis_thaliana	Plant	CBM57_AT1G56130.2.1	Plant	Ath	Ath_AT1G56130.2.1	Ath_AT1G56130.2.1
CBM57	147	AT1G56130.3.1	833	1.50E-21	3	142	229	399	0.945578231	Arabidopsis_thaliana	Plant	CBM57_AT1G56130.3.1	Plant	Ath	Ath_AT1G56130.3.1	Ath_AT1G56130.3.1
CBM57	147	AT1G56140.1.1	1033	5.80E-22	3	142	427	597	0.945578231	Arabidopsis_thaliana	Plant	CBM57_AT1G56140.1.1	Plant	Ath	Ath_AT1G56140.1.1	Ath_AT1G56140.1.1
CBM57	147	AT1G56145.1.1	1012	6.80E-23	4	144	424	593	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT1G56145.1.1	Plant	Ath	Ath_AT1G56145.1.1	Ath_AT1G56145.1.1
CBM57	147	AT1G56145.2.1	1039	7.00E-23	4	144	424	593	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT1G56145.2.1	Plant	Ath	Ath_AT1G56145.2.1	Ath_AT1G56145.2.1
CBM57	147	AT1G56145.3.1	909	5.70E-23	4	144	321	490	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT1G56145.3.1	Plant	Ath	Ath_AT1G56145.3.1	Ath_AT1G56145.3.1
GT77	216	AT1G56550.1.1	383	3.10E-54	3	216	112	330	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G56550.1.1	Plant	Ath	Ath_AT1G56550.1.1	Ath_AT1G56550.1.1
GT77	216	AT1G56550.2.1	367	2.70E-54	3	216	112	330	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G56550.2.1	Plant	Ath	Ath_AT1G56550.2.1	Ath_AT1G56550.2.1
GH100	458	AT1G56560.1.1	616	1.40E-231	2	457	128	586	0.993449782	Arabidopsis_thaliana	Plant	GH100_AT1G56560.1.1	Plant	Ath	Ath_AT1G56560.1.1	Ath_AT1G56560.1.1
GT8	257	AT1G56600.1.1	335	5.00E-54	29	255	23	268	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT1G56600.1.1	Plant	Ath	Ath_AT1G56600.1.1	Ath_AT1G56600.1.1
CE5	189	AT1G56630.1.1	494	0.0000065	56	130	267	339	0.391534392	Arabidopsis_thaliana	Plant	CE5_AT1G56630.1.1	Plant	Ath	Ath_AT1G56630.1.1	Ath_AT1G56630.1.1
CE16	267	AT1G56670.1.1	373	8.00E-24	2	266	42	355	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT1G56670.1.1	Plant	Ath	Ath_AT1G56670.1.1	Ath_AT1G56670.1.1
CE16	267	AT1G56670.2.1	297	1.30E-19	2	228	42	297	0.846441948	Arabidopsis_thaliana	Plant	CE16_AT1G56670.2.1	Plant	Ath	Ath_AT1G56670.2.1	Ath_AT1G56670.2.1
CBM18	38	AT1G56680.1.1	280	0.0000044	9	38	34	65	0.763157895	Arabidopsis_thaliana	Plant	CBM18_AT1G56680.1.1	Plant	Ath	Ath_AT1G56680.1.1	Ath_AT1G56680.1.1
GH19	231	AT1G56680.1.1	280	2.60E-56	4	231	83	280	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT1G56680.1.1	Plant	Ath	Ath_AT1G56680.1.1	Ath_AT1G56680.1.1
CBM18	38	AT1G														

CBM22	131	AT1G58370.1.1	917	9.80E-31	2	131	199	334	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT1G58370.1.1	Plant	Ath	Ath_AT1G58370.1.1	Ath_AT1G58370.1.1
GH10	303	AT1G58370.1.1	917	8.10E-69	8	291	570	844	0.933993399	Arabidopsis_thaliana	Plant	GH10_AT1G58370.1.1	Plant	Ath	Ath_AT1G58370.1.1	Ath_AT1G58370.1.1
CBM22	131	AT1G58370.2.1	945	2.60E-40	1	131	397	539	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G58370.2.1	Plant	Ath	Ath_AT1G58370.2.1	Ath_AT1G58370.2.1
CBM22	131	AT1G58370.2.1	945	2.30E-31	1	131	57	196	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT1G58370.2.1	Plant	Ath	Ath_AT1G58370.2.1	Ath_AT1G58370.2.1
CBM22	131	AT1G58370.2.1	945	1.00E-30	2	131	227	362	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT1G58370.2.1	Plant	Ath	Ath_AT1G58370.2.1	Ath_AT1G58370.2.1
GH10	303	AT1G58370.2.1	945	8.60E-69	8	291	598	872	0.933993399	Arabidopsis_thaliana	Plant	GH10_AT1G58370.2.1	Plant	Ath	Ath_AT1G58370.2.1	Ath_AT1G58370.2.1
CE16	267	AT1G58430.1.1	360	1.70E-19	56	262	112	346	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT1G58430.1.1	Plant	Ath	Ath_AT1G58430.1.1	Ath_AT1G58430.1.1
CE16	267	AT1G58520.3.1	342	2.20E-12	78	263	126	330	0.692883895	Arabidopsis_thaliana	Plant	CE16_AT1G58520.3.1	Plant	Ath	Ath_AT1G58520.3.1	Ath_AT1G58520.3.1
CE16	267	AT1G58525.1.1	342	2.20E-12	78	263	126	330	0.692883895	Arabidopsis_thaliana	Plant	CE16_AT1G58525.1.1	Plant	Ath	Ath_AT1G58525.1.1	Ath_AT1G58525.1.1
CE16	267	AT1G58725.1.1	349	2.10E-13	60	263	110	337	0.760299626	Arabidopsis_thaliana	Plant	CE16_AT1G58725.1.1	Plant	Ath	Ath_AT1G58725.1.1	Ath_AT1G58725.1.1
CE16	267	AT1G59030.1.1	349	2.10E-13	60	263	110	337	0.760299626	Arabidopsis_thaliana	Plant	CE16_AT1G59030.1.1	Plant	Ath	Ath_AT1G59030.1.1	Ath_AT1G59030.1.1
CE16	267	AT1G59406.1.1	349	2.10E-13	60	263	110	337	0.760299626	Arabidopsis_thaliana	Plant	CE16_AT1G59406.1.1	Plant	Ath	Ath_AT1G59406.1.1	Ath_AT1G59406.1.1
GH1	429	AT1G60090.1.1	512	6.00E-156	3	426	27	491	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G60090.1.1	Plant	Ath	Ath_AT1G60090.1.1	Ath_AT1G60090.1.1
GH1	429	AT1G60090.2.1	505	3.10E-158	3	426	27	484	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G60090.2.1	Plant	Ath	Ath_AT1G60090.2.1	Ath_AT1G60090.2.1
GT20	475	AT1G60140.1.1	861	7.30E-172	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G60140.1.1	Plant	Ath	Ath_AT1G60140.1.1	Ath_AT1G60140.1.1
GT20	475	AT1G60140.2.1	861	7.30E-172	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G60140.2.1	Plant	Ath	Ath_AT1G60140.2.1	Ath_AT1G60140.2.1
GT20	475	AT1G60140.3.1	764	5.20E-172	6	475	52	546	0.987368421	Arabidopsis_thaliana	Plant	GT20_AT1G60140.3.1	Plant	Ath	Ath_AT1G60140.3.1	Ath_AT1G60140.3.1
GT20	475	AT1G60140.4.1	861	7.30E-172	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G60140.4.1	Plant	Ath	Ath_AT1G60140.4.1	Ath_AT1G60140.4.1
GT20	475	AT1G60140.5.1	861	7.30E-172	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G60140.5.1	Plant	Ath	Ath_AT1G60140.5.1	Ath_AT1G60140.5.1
GT20	475	AT1G60140.6.1	861	7.30E-172	7	475	53	546	0.985263158	Arabidopsis_thaliana	Plant	GT20_AT1G60140.6.1	Plant	Ath	Ath_AT1G60140.6.1	Ath_AT1G60140.6.1
GH1	429	AT1G60270.1.1	379	2.60E-121	4	323	28	379	0.743589744	Arabidopsis_thaliana	Plant	GH1_AT1G60270.1.1	Plant	Ath	Ath_AT1G60270.1.1	Ath_AT1G60270.1.1
GH1	429	AT1G60270.2.1	292	3.60E-89	67	323	1	292	0.596736597	Arabidopsis_thaliana	Plant	GH1_AT1G60270.2.1	Plant	Ath	Ath_AT1G60270.2.1	Ath_AT1G60270.2.1
GT8	257	AT1G60450.1.1	332	3.20E-51	19	256	11	267	0.922178988	Arabidopsis_thaliana	Plant	GT8_AT1G60450.1.1	Plant	Ath	Ath_AT1G60450.1.1	Ath_AT1G60450.1.1
GT8	257	AT1G60470.1.1	334	8.40E-52	24	256	19	270	0.902723735	Arabidopsis_thaliana	Plant	GT8_AT1G60470.1.1	Plant	Ath	Ath_AT1G60470.1.1	Ath_AT1G60470.1.1
GH28	325	AT1G60590.1.1	540	4.60E-90	5	306	147	493	0.926153846	Arabidopsis_thaliana	Plant	GH28_AT1G60590.1.1	Plant	Ath	Ath_AT1G60590.1.1	Ath_AT1G60590.1.1
GT32	90	AT1G61050.1.1	435	1.60E-16	3	88	168	281	0.944444444	Arabidopsis_thaliana	Plant	GT32_AT1G61050.1.1	Plant	Ath	Ath_AT1G61050.1.1	Ath_AT1G61050.1.1
GT32	90	AT1G61050.2.1	436	1.60E-16	3	88	169	282	0.944444444	Arabidopsis_thaliana	Plant	GT32_AT1G61050.2.1	Plant	Ath	Ath_AT1G61050.2.1	Ath_AT1G61050.2.1
GH1	429	AT1G61810.1.1	520	4.10E-165	3	427	36	510	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT1G61810.1.1	Plant	Ath	Ath_AT1G61810.1.1	Ath_AT1G61810.1.1
GH1	429	AT1G61810.2.1	310	1.80E-97	3	249	36	301	0.573426573	Arabidopsis_thaliana	Plant	GH1_AT1G61810.2.1	Plant	Ath	Ath_AT1G61810.2.1	Ath_AT1G61810.2.1
GH1	429	AT1G61810.3.1	543	8.10E-158	3	413	36	496	0.955710956	Arabidopsis_thaliana	Plant	GH1_AT1G61810.3.1	Plant	Ath	Ath_AT1G61810.3.1	Ath_AT1G61810.3.1
GH1	429	AT1G61810.4.1	424	6.40E-126	3	341	36	420	0.787878788	Arabidopsis_thaliana	Plant	GH1_AT1G61810.4.1	Plant	Ath	Ath_AT1G61810.4.1	Ath_AT1G61810.4.1
GH1	429	AT1G61810.5.1	420	4.40E-136	67	427	1	410	0.839160839	Arabidopsis_thaliana	Plant	GH1_AT1G61810.5.1	Plant	Ath	Ath_AT1G61810.5.1	Ath_AT1G61810.5.1
GH1	429	AT1G61820.1.1	516	3.70E-169	3	427	33	507	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT1G61820.1.1	Plant	Ath	Ath_AT1G61820.1.1	Ath_AT1G61820.1.1
GH1	429	AT1G61820.3.1	377	2.60E-118	111	427	4	368	0.736596737	Arabidopsis_thaliana	Plant	GH1_AT1G61820.3.1	Plant	Ath	Ath_AT1G61820.3.1	Ath_AT1G61820.3.1
GT14	250	AT1G62305.1.1	378	1.20E-14	57	238	125	297	0.724	Arabidopsis_thaliana	Plant	GT14_AT1G62305.1.1	Plant	Ath	Ath_AT1G62305.1.1	Ath_AT1G62305.1.1
GT14	250	AT1G62305.2.1	354	0.000000019	153	238	167	273	0.34	Arabidopsis_thaliana	Plant	GT14_AT1G62305.2.1	Plant	Ath	Ath_AT1G62305.2.1	Ath_AT1G62305.2.1
GT14	250	AT1G62305.3.1	321	1.30E-12	57	227	125	307	0.68	Arabidopsis_thaliana	Plant	GT14_AT1G62305.3.1	Plant	Ath	Ath_AT1G62305.3.1	Ath_AT1G62305.3.1
GH32	293	AT1G62660.1.1	648	6.70E-89	1	293	110	430	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT1G62660.1.1	Plant	Ath	Ath_AT1G62660.1.1	Ath_AT1G62660.1.1
GH32	293	AT1G62660.2.1	550	2.30E-82	10	293	21	332	0.965870307	Arabidopsis_thaliana	Plant	GH32_AT1G62660.2.1	Plant	Ath	Ath_AT1G62660.2.1	Ath_AT1G62660.2.1
GH32	293	AT1G62660.3.1	482	5.70E-55	59	293	2	264	0.798634812	Arabidopsis_thaliana	Plant	GH32_AT1G62660.3.1	Plant	Ath	Ath_AT1G62660.3.1	Ath_AT1G62660.3.1
GH32	293	AT1G62660.4.1	482	5.70E-55	59	293	2	264	0.798634812	Arabidopsis_thaliana	Plant	GH32_AT1G62660.4.1	Plant	Ath	Ath_AT1G62660.4.1	Ath_AT1G62660.4.1
GT90	250	AT1G63420.1.1	578	3.30E-82	1	250	242	494	0.996	Arabidopsis_thaliana	Plant	GT90_AT1G63420.1.1	Plant	Ath	Ath_AT1G63420.1.1	Ath_AT1G63420.1.1
GT90	250	AT1G63420.2.1	473	1.10E-62	1	212	242	456	0.844	Arabidopsis_thaliana	Plant	GT90_AT1G63420.2.1	Plant	Ath	Ath_AT1G63420.2.1	Ath_AT1G63420.2.1
GT47	296	AT1G63450.1.1	664	3.20E-68	1	287	278	600	0.966216216	Arabidopsis_thaliana	Plant	GT47_AT1G63450.1.1	Plant	Ath	Ath_AT1G63450.1.1	Ath_AT1G63450.1.1
CBM49	78	AT1G64390.1.1	620	2.10E-35	1	78	528	605	0.987179487	Arabidopsis_thaliana	Plant	CBM49_AT1G64390.1.1	Plant	Ath	Ath_AT1G64390.1.1	Ath_AT1G64390.1.1
GH9	418	AT1G64390.1.1	620	1.00E-140	1	418	25	486	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT1G64390.1.1	Plant	Ath	Ath_AT1G64390.1.1	Ath_AT1G64390.1.1
CBM43	83	AT1G64760.1.1	481	1.40E-21	1	83	366	447	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT1G64760.1.1	Plant	Ath	Ath_AT1G64760.1.1	Ath_AT1G64760.1.1
GH17	311	AT1G64760.1.1	481	1.10E-102	1	310	25	343	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT1G64760.1.1	Plant	Ath	Ath_AT1G64760.1.1	Ath_AT1G64760.1.1
CBM43	83	AT1G64760.2.1	481	1.40E-21	1	83	366	447	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT1G64760.2.1	Plant	Ath	Ath_AT1G64760.2.1	Ath_AT1G64760.2.1
GH17	311	AT1G64760.2.1	481	1.10E-102	1	310	25	343	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT1G64760.2.1	Plant	Ath	Ath_AT1G64760.2.1	Ath_AT1G64760.2.1
GT1	382	AT1G64910.1.1	447	1.60E-19	45	329	54	380	0.743455497	Arabidopsis_thaliana	Plant	GT1_AT1G64910.1.1	Plant	Ath	Ath_AT1G64910.1.1	Ath_AT1G64910.1.1
GT1	382	AT1G64920.1.1	452	5.10E-13	12	327	22	379	0.82460733	Arabidopsis_thaliana	Plant	GT1_AT1G64920.1.1	Plant	Ath	Ath_AT1G64920.1.1	Ath_AT1G64920.1.1
GT8	257	AT1G64980.1.1	259	0.000000015	51	254	12	228	0.789883269	Arabidopsis_thaliana	Plant	GT8_AT1G64980.1.1	Plant	Ath	Ath_AT1G64980.1.1	Ath_AT1G64980.1.1
GT8	257	AT1G64980.2.1	279	0.000000014	50	254	30	248	0.793774319	Arabidopsis_thaliana	Plant	GT8_AT1G64980.2.1	Plant	Ath	Ath_AT1G64980.2.1	Ath_AT1G64980.2.1
GT8	257	AT1G64980.3.1	259	0.000000015	51	254	12	228	0.789883269	Arabidopsis_thaliana	Plant	GT8_AT1G64980.3.1	Plant	Ath	Ath_AT1G64980.3.1	Ath_AT1G64980.3.1
GH16	189	AT1G65310.1.1	282	7.40E-24	35	176	47	208	0.746031746	Arabidopsis_thaliana	Plant	GH16_AT1G65310.1.1	Plant	Ath	Ath_AT1G65310.1.1	Ath_AT1G65310.1.1
GH16	189	AT1G65310.2.1	304	8.50E-24	35	176	69	226	0.746031746	Arabidopsis_thaliana	Plant	GH16_AT1G65310.2.1	Plant	Ath	Ath_AT1G65310.2.1	Ath_AT1G65310.2.1
GH28	325	AT1G65570.1.1	397	5.70E-89	5	323	55	386	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT1G65570.1.1	Plant	Ath	Ath_AT1G65570.1.1	Ath_AT1G65570.1.1
GH20	337	AT1G65590.1.1	535	2.40E-94	9	336	178	486	0.97032641	Arabidopsis_thaliana	Plant	GH20_AT1G65590.1.1	Plant	Ath	Ath_AT1G65590.1.1	Ath_AT1G65590.1.1
GH9	418	AT1G65610.1.1	623	5.20E-116	1	417	116	587	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G65610.1.1	Plant	Ath	Ath_AT1G65610.1.1	Ath_AT1G65610.1.1
GH109	126	AT1G66130.1.1	364	1.50E-12	1	125	7	126	0.984126984	Arabidopsis_thaliana	Plant	GH109_AT1G66130.1.1	Plant	Ath	Ath_AT1G66130.1.1	Ath_AT1G66130.1.1
CBM43	83	AT1G66250.1.1	505	1.20E-29	2	82	369	450	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT1G66250.1.1	Plant	Ath	Ath_AT1G66250.1.1	Ath_AT1G66250.1.1
GH17	311	AT1G66250.1.1	505	4.00E-108	1	309	32	350	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT1G66250.1.1	Plant	Ath	Ath_AT1G66250.1.1	Ath_AT1G66250.1.1
GH1	429	AT1G66270.1.1	524	5.70E-164	2	426	38	512	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT1G66270.1.1	Plant	Ath	Ath_AT1G66270.1.1	Ath_AT1G66270.1.1
GH1	429	AT1G66270.2.1	522	3.10E-160	2	426	38	510	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT1G66270.2.1	Plant	Ath	Ath_AT1G66270.2.1	Ath_AT1G66270.2.1
GH1	429	AT1G66280.1.1	524	5.60E-165	2											

GT47	296	AT1G67410.1.1	430	9.40E-80	3	289	51	361	0.966216216	Arabidopsis_thaliana	Plant	GT47_AT1G67410.1.1	Plant	Ath	Ath_AT1G67410.1.1	Ath_AT1G67410.1.1
GT47	296	AT1G67410.2.1	312	1.60E-46	3	215	51	283	0.716216216	Arabidopsis_thaliana	Plant	GT47_AT1G67410.2.1	Plant	Ath	Ath_AT1G67410.2.1	Ath_AT1G67410.2.1
GH63	570	AT1G67490.1.1	852	6.20E-29	316	567	594	847	0.440350877	Arabidopsis_thaliana	Plant	GH63_AT1G67490.1.1	Plant	Ath	Ath_AT1G67490.1.1	Ath_AT1G67490.1.1
GH63	570	AT1G67490.2.1	768	5.10E-29	316	567	510	763	0.440350877	Arabidopsis_thaliana	Plant	GH63_AT1G67490.2.1	Plant	Ath	Ath_AT1G67490.2.1	Ath_AT1G67490.2.1
PL1	202	AT1G67750.1.1	408	4.80E-61	13	200	123	327	0.925742574	Arabidopsis_thaliana	Plant	PL1_AT1G67750.1.1	Plant	Ath	Ath_AT1G67750.1.1	Ath_AT1G67750.1.1
CE16	267	AT1G67830.1.1	372	3.20E-13	58	262	101	357	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G67830.1.1	Plant	Ath	Ath_AT1G67830.1.1	Ath_AT1G67830.1.1
GT17	284	AT1G67880.1.1	390	1.40E-128	2	284	95	382	0.992957747	Arabidopsis_thaliana	Plant	GT17_AT1G67880.1.1	Plant	Ath	Ath_AT1G67880.1.1	Ath_AT1G67880.1.1
GT20	475	AT1G68020.1.1	700	1.50E-178	4	475	44	557	0.991578947	Arabidopsis_thaliana	Plant	GT20_AT1G68020.1.1	Plant	Ath	Ath_AT1G68020.1.1	Ath_AT1G68020.1.1
GT20	475	AT1G68020.2.1	860	2.70E-178	4	475	44	557	0.991578947	Arabidopsis_thaliana	Plant	GT20_AT1G68020.2.1	Plant	Ath	Ath_AT1G68020.2.1	Ath_AT1G68020.2.1
GT20	475	AT1G68020.3.1	860	2.70E-178	4	475	44	557	0.991578947	Arabidopsis_thaliana	Plant	GT20_AT1G68020.3.1	Plant	Ath	Ath_AT1G68020.3.1	Ath_AT1G68020.3.1
GT14	250	AT1G68380.1.1	392	2.90E-12	60	240	179	332	0.72	Arabidopsis_thaliana	Plant	GT14_AT1G68380.1.1	Plant	Ath	Ath_AT1G68380.1.1	Ath_AT1G68380.1.1
GT14	250	AT1G68390.1.1	408	8.10E-13	60	243	193	354	0.732	Arabidopsis_thaliana	Plant	GT14_AT1G68390.1.1	Plant	Ath	Ath_AT1G68390.1.1	Ath_AT1G68390.1.1
GT47	296	AT1G68470.1.1	455	3.40E-67	4	296	70	401	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT1G68470.1.1	Plant	Ath	Ath_AT1G68470.1.1	Ath_AT1G68470.1.1
GH31	427	AT1G68560.1.1	915	1.10E-150	1	427	263	755	0.99765808	Arabidopsis_thaliana	Plant	GH31_AT1G68560.1.1	Plant	Ath	Ath_AT1G68560.1.1	Ath_AT1G68560.1.1
CE10	341	AT1G68620.1.1	336	3.30E-55	64	322	55	317	0.756598241	Arabidopsis_thaliana	Plant	CE10_AT1G68620.1.1	Plant	Ath	Ath_AT1G68620.1.1	Ath_AT1G68620.1.1
AA2	255	AT1G68850.1.1	336	4.10E-50	4	251	42	315	0.968627451	Arabidopsis_thaliana	Plant	AA2_AT1G68850.1.1	Plant	Ath	Ath_AT1G68850.1.1	Ath_AT1G68850.1.1
CE1	227	AT1G68890.1.1	1715	0.000000014	28	143	1433	1572	0.50660793	Arabidopsis_thaliana	Plant	CE1_AT1G68890.1.1	Plant	Ath	Ath_AT1G68890.1.1	Ath_AT1G68890.1.1
CE1	227	AT1G68890.2.1	1371	0.000000001	28	143	1089	1228	0.50660793	Arabidopsis_thaliana	Plant	CE1_AT1G68890.2.1	Plant	Ath	Ath_AT1G68890.2.1	Ath_AT1G68890.2.1
CBM43	83	AT1G69295.1.1	222	1.20E-24	2	82	22	102	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT1G69295.1.1	Plant	Ath	Ath_AT1G69295.1.1	Ath_AT1G69295.1.1
CBM43	83	AT1G69295.2.1	218	1.20E-24	2	82	18	98	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT1G69295.2.1	Plant	Ath	Ath_AT1G69295.2.1	Ath_AT1G69295.2.1
CBM45	81	AT1G69830.1.1	887	4.50E-27	1	81	126	209	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G69830.1.1	Plant	Ath	Ath_AT1G69830.1.1	Ath_AT1G69830.1.1
CBM45	81	AT1G69830.1.1	887	7.90E-23	1	81	305	381	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT1G69830.1.1	Plant	Ath	Ath_AT1G69830.1.1	Ath_AT1G69830.1.1
GH13	299	AT1G69830.1.1	887	2.90E-36	19	282	517	806	0.879598662	Arabidopsis_thaliana	Plant	GH13_AT1G69830.1.1	Plant	Ath	Ath_AT1G69830.1.1	Ath_AT1G69830.1.1
CE8	288	AT1G69940.1.1	361	1.30E-85	6	287	71	350	0.975694444	Arabidopsis_thaliana	Plant	CE8_AT1G69940.1.1	Plant	Ath	Ath_AT1G69940.1.1	Ath_AT1G69940.1.1
GT8	257	AT1G70090.1.1	390	7.20E-48	29	255	81	343	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT1G70090.1.1	Plant	Ath	Ath_AT1G70090.1.1	Ath_AT1G70090.1.1
GT8	257	AT1G70090.2.1	390	7.20E-48	29	255	81	343	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT1G70090.2.1	Plant	Ath	Ath_AT1G70090.2.1	Ath_AT1G70090.2.1
GT20	475	AT1G70290.1.1	856	4.10E-177	11	475	55	541	0.976842105	Arabidopsis_thaliana	Plant	GT20_AT1G70290.1.1	Plant	Ath	Ath_AT1G70290.1.1	Ath_AT1G70290.1.1
GT20	475	AT1G70290.2.1	818	8.90E-90	234	475	250	503	0.507368421	Arabidopsis_thaliana	Plant	GT20_AT1G70290.2.1	Plant	Ath	Ath_AT1G70290.2.1	Ath_AT1G70290.2.1
GT20	475	AT1G70290.2.1	818	1.10E-62	11	199	55	250	0.395789474	Arabidopsis_thaliana	Plant	GT20_AT1G70290.2.1	Plant	Ath	Ath_AT1G70290.2.1	Ath_AT1G70290.2.1
GH28	325	AT1G70500.1.1	468	9.30E-94	7	320	93	421	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT1G70500.1.1	Plant	Ath	Ath_AT1G70500.1.1	Ath_AT1G70500.1.1
GT77	216	AT1G70630.1.1	537	1.50E-48	2	215	300	520	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.1.1	Plant	Ath	Ath_AT1G70630.1.1	Ath_AT1G70630.1.1
GT77	216	AT1G70630.2.1	537	1.50E-48	2	215	300	520	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.2.1	Plant	Ath	Ath_AT1G70630.2.1	Ath_AT1G70630.2.1
GT77	216	AT1G70630.3.1	753	3.00E-48	2	215	516	736	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.3.1	Plant	Ath	Ath_AT1G70630.3.1	Ath_AT1G70630.3.1
GT77	216	AT1G70630.4.1	722	2.70E-48	2	215	485	705	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.4.1	Plant	Ath	Ath_AT1G70630.4.1	Ath_AT1G70630.4.1
GT77	216	AT1G70630.5.1	506	1.30E-48	2	215	269	489	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.5.1	Plant	Ath	Ath_AT1G70630.5.1	Ath_AT1G70630.5.1
GT77	216	AT1G70630.6.1	743	2.90E-48	2	215	506	726	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.6.1	Plant	Ath	Ath_AT1G70630.6.1	Ath_AT1G70630.6.1
GT77	216	AT1G70630.7.1	674	2.40E-48	2	215	437	657	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT1G70630.7.1	Plant	Ath	Ath_AT1G70630.7.1	Ath_AT1G70630.7.1
GH9	418	AT1G70710.1.1	492	7.30E-133	1	417	28	482	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G70710.1.1	Plant	Ath	Ath_AT1G70710.1.1	Ath_AT1G70710.1.1
GT14	250	AT1G71070.1.1	395	3.20E-79	1	249	49	305	0.992	Arabidopsis_thaliana	Plant	GT14_AT1G71070.1.1	Plant	Ath	Ath_AT1G71070.1.1	Ath_AT1G71070.1.1
CE16	267	AT1G71120.1.1	362	5.40E-19	2	266	33	339	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT1G71120.1.1	Plant	Ath	Ath_AT1G71120.1.1	Ath_AT1G71120.1.1
GT24	248	AT1G71220.1.1	1613	1.90E-134	1	248	1301	1548	0.995967742	Arabidopsis_thaliana	Plant	GT24_AT1G71220.1.1	Plant	Ath	Ath_AT1G71220.1.1	Ath_AT1G71220.1.1
GT24	248	AT1G71220.2.1	1614	1.90E-134	1	248	1302	1549	0.995967742	Arabidopsis_thaliana	Plant	GT24_AT1G71220.2.1	Plant	Ath	Ath_AT1G71220.2.1	Ath_AT1G71220.2.1
GT24	248	AT1G71220.3.1	1651	1.90E-134	1	248	1339	1586	0.995967742	Arabidopsis_thaliana	Plant	GT24_AT1G71220.3.1	Plant	Ath	Ath_AT1G71220.3.1	Ath_AT1G71220.3.1
CE16	267	AT1G71250.1.1	374	1.10E-19	3	264	44	352	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT1G71250.1.1	Plant	Ath	Ath_AT1G71250.1.1	Ath_AT1G71250.1.1
CBM32	124	AT1G71360.1.1	596	0.00028	36	108	246	322	0.580645161	Arabidopsis_thaliana	Plant	CBM32_AT1G71360.1.1	Plant	Ath	Ath_AT1G71360.1.1	Ath_AT1G71360.1.1
CBM32	124	AT1G71360.2.1	622	0.0003	36	108	272	348	0.580645161	Arabidopsis_thaliana	Plant	CBM32_AT1G71360.2.1	Plant	Ath	Ath_AT1G71360.2.1	Ath_AT1G71360.2.1
GH9	418	AT1G71380.1.1	484	3.00E-132	1	418	24	476	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT1G71380.1.1	Plant	Ath	Ath_AT1G71380.1.1	Ath_AT1G71380.1.1
CE16	267	AT1G71691.1.1	283	2.10E-23	82	265	51	262	0.685393258	Arabidopsis_thaliana	Plant	CE16_AT1G71691.1.1	Plant	Ath	Ath_AT1G71691.1.1	Ath_AT1G71691.1.1
CE16	267	AT1G71691.2.1	384	2.10E-23	58	265	129	363	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G71691.2.1	Plant	Ath	Ath_AT1G71691.2.1	Ath_AT1G71691.2.1
CE16	267	AT1G71691.3.1	312	8.30E-17	58	229	129	312	0.640449438	Arabidopsis_thaliana	Plant	CE16_AT1G71691.3.1	Plant	Ath	Ath_AT1G71691.3.1	Ath_AT1G71691.3.1
AA2	255	AT1G71695.1.1	358	1.90E-55	3	252	55	321	0.976470588	Arabidopsis_thaliana	Plant	AA2_AT1G71695.1.1	Plant	Ath	Ath_AT1G71695.1.1	Ath_AT1G71695.1.1
GT10	347	AT1G71990.1.1	401	2.70E-69	29	335	98	396	0.88184438	Arabidopsis_thaliana	Plant	GT10_AT1G71990.1.1	Plant	Ath	Ath_AT1G71990.1.1	Ath_AT1G71990.1.1
GH100	458	AT1G72000.1.1	499	8.10E-231	2	457	31	486	0.993449782	Arabidopsis_thaliana	Plant	GH100_AT1G72000.1.1	Plant	Ath	Ath_AT1G72000.1.1	Ath_AT1G72000.1.1
CBM57	147	AT1G72250.1.1	1195	5.20E-14	2	147	173	303	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT1G72250.1.1	Plant	Ath	Ath_AT1G72250.1.1	Ath_AT1G72250.1.1
CBM57	147	AT1G72250.2.1	1204	5.30E-14	2	147	174	304	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT1G72250.2.1	Plant	Ath	Ath_AT1G72250.2.1	Ath_AT1G72250.2.1
CBM57	147	AT1G72250.3.1	1216	5.00E-25	2	147	174	316	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT1G72250.3.1	Plant	Ath	Ath_AT1G72250.3.1	Ath_AT1G72250.3.1
CBM57	147	AT1G72250.4.1	1215	5.00E-25	2	147	173	315	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT1G72250.4.1	Plant	Ath	Ath_AT1G72250.4.1	Ath_AT1G72250.4.1
AA3	618	AT1G72970.1.1	594	9.70E-67	69	400	42	587	0.535598706	Arabidopsis_thaliana	Plant	AA3_AT1G72970.1.1	Plant	Ath	Ath_AT1G72970.1.1	Ath_AT1G72970.1.1
AA3	618	AT1G72970.2.1	567	4.00E-65	69	400	42	560	0.535598706	Arabidopsis_thaliana	Plant	AA3_AT1G72970.2.1	Plant	Ath	Ath_AT1G72970.2.1	Ath_AT1G72970.2.1
GH35	307	AT1G72990.1.1	697	2.10E-113	1	306	70	394	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT1G72990.1.1	Plant	Ath	Ath_AT1G72990.1.1	Ath_AT1G72990.1.1
GH35	307	AT1G72990.2.1	635	3.40E-105	15	306	22	332	0.947882736	Arabidopsis_thaliana	Plant	GH35_AT1G72990.2.1	Plant	Ath	Ath_AT1G72990.2.1	Ath_AT1G72990.2.1
GH35	307	AT1G72990.3.1	642	1.70E-113	1	306	15	339	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT1G72990.3.1	Plant	Ath	Ath_AT1G72990.3.1	Ath_AT1G72990.3.1
GH35	307	AT1G72990.4.1	697	2.10E-113	1	306	70	394	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT1G72990.4.1	Plant	Ath	Ath_AT1G72990.4.1	Ath_AT1G72990.4.1
AA3	618	AT1G73050.1.1	552	7.00E-66	85	398	49	548	0.506472492	Arabidopsis_thaliana	Plant	AA3_AT1G73050.1.1	Plant	Ath	Ath_AT1G73050.1.1	Ath_AT1G73050.1.1
GT4	160	AT1G73160.1.1	486	3.30E-22	12	155	302	440	0.89375	Arabidopsis_thaliana	Plant	GT4_AT1G73160.1.1	Plant	Ath	Ath_AT1G73160.1.1	Ath_AT1G73160.1.1
GT4	160	AT1G73370.1.1	942	3.70E-43	6	153	573	737								

GT1	382	AT1G73880.1.1	473	8.20E-31	216	366	266	447	0.392670157	Arabidopsis_thaliana	Plant	GT1_AT1G73880.1.1	Plant	Ath	Ath_AT1G73880.1.1	Ath_AT1G73880.1.1
CE1	227	AT1G74280.1.1	372	0.0000047	83	220	137	357	0.603524229	Arabidopsis_thaliana	Plant	CE1_AT1G74280.1.1	Plant	Ath	Ath_AT1G74280.1.1	Ath_AT1G74280.1.1
CE1	227	AT1G74300.1.1	346	0.0000052	96	211	132	331	0.50660793	Arabidopsis_thaliana	Plant	CE1_AT1G74300.1.1	Plant	Ath	Ath_AT1G74300.1.1	Ath_AT1G74300.1.1
CE1	227	AT1G74300.2.1	247	0.0000029	103	212	38	233	0.480176212	Arabidopsis_thaliana	Plant	CE1_AT1G74300.2.1	Plant	Ath	Ath_AT1G74300.2.1	Ath_AT1G74300.2.1
GT34	246	AT1G74380.1.1	457	1.60E-79	2	244	150	389	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT1G74380.1.1	Plant	Ath	Ath_AT1G74380.1.1	Ath_AT1G74380.1.1
GT37	459	AT1G74420.1.1	521	1.10E-178	17	458	89	520	0.960784314	Arabidopsis_thaliana	Plant	GT37_AT1G74420.1.1	Plant	Ath	Ath_AT1G74420.1.1	Ath_AT1G74420.1.1
GT37	459	AT1G74420.2.1	525	1.00E-178	17	458	93	524	0.960784314	Arabidopsis_thaliana	Plant	GT37_AT1G74420.2.1	Plant	Ath	Ath_AT1G74420.2.1	Ath_AT1G74420.2.1
GT37	459	AT1G74420.3.1	563	1.30E-178	17	458	131	562	0.960784314	Arabidopsis_thaliana	Plant	GT37_AT1G74420.3.1	Plant	Ath	Ath_AT1G74420.3.1	Ath_AT1G74420.3.1
GT37	459	AT1G74420.4.1	559	1.40E-178	17	458	127	558	0.960784314	Arabidopsis_thaliana	Plant	GT37_AT1G74420.4.1	Plant	Ath	Ath_AT1G74420.4.1	Ath_AT1G74420.4.1
CE16	267	AT1G74460.1.1	366	3.20E-26	58	264	102	334	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT1G74460.1.1	Plant	Ath	Ath_AT1G74460.1.1	Ath_AT1G74460.1.1
GT47	296	AT1G74680.1.1	461	4.80E-90	4	296	74	394	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT1G74680.1.1	Plant	Ath	Ath_AT1G74680.1.1	Ath_AT1G74680.1.1
GT31	192	AT1G74800.1.1	672	5.30E-70	2	186	438	619	0.958333333	Arabidopsis_thaliana	Plant	GT31_AT1G74800.1.1	Plant	Ath	Ath_AT1G74800.1.1	Ath_AT1G74800.1.1
GT77	216	AT1G75110.1.1	428	4.70E-63	2	214	184	406	0.981481482	Arabidopsis_thaliana	Plant	GT77_AT1G75110.1.1	Plant	Ath	Ath_AT1G75110.1.1	Ath_AT1G75110.1.1
GT77	216	AT1G75120.1.1	402	4.50E-58	2	213	159	380	0.976851852	Arabidopsis_thaliana	Plant	GT77_AT1G75120.1.1	Plant	Ath	Ath_AT1G75120.1.1	Ath_AT1G75120.1.1
GT4	160	AT1G75420.1.1	463	3.30E-21	8	160	261	427	0.95	Arabidopsis_thaliana	Plant	GT4_AT1G75420.1.1	Plant	Ath	Ath_AT1G75420.1.1	Ath_AT1G75420.1.1
GT4	160	AT1G75420.2.1	378	2.10E-21	8	160	176	342	0.95	Arabidopsis_thaliana	Plant	GT4_AT1G75420.2.1	Plant	Ath	Ath_AT1G75420.2.1	Ath_AT1G75420.2.1
GT4	160	AT1G75420.3.1	437	2.90E-21	8	160	235	401	0.95	Arabidopsis_thaliana	Plant	GT4_AT1G75420.3.1	Plant	Ath	Ath_AT1G75420.3.1	Ath_AT1G75420.3.1
AA7	458	AT1G75450.1.1	540	4.40E-22	13	194	65	253	0.395196507	Arabidopsis_thaliana	Plant	AA7_AT1G75450.1.1	Plant	Ath	Ath_AT1G75450.1.1	Ath_AT1G75450.1.1
AA7	458	AT1G75450.2.1	537	4.20E-20	13	194	61	250	0.395196507	Arabidopsis_thaliana	Plant	AA7_AT1G75450.2.1	Plant	Ath	Ath_AT1G75450.2.1	Ath_AT1G75450.2.1
AA5	1281	AT1G75620.1.1	547	1.10E-115	560	1024	34	546	0.362217018	Arabidopsis_thaliana	Plant	AA5_AT1G75620.1.1	Plant	Ath	Ath_AT1G75620.1.1	Ath_AT1G75620.1.1
GH9	418	AT1G75680.1.1	525	3.10E-138	1	417	57	511	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT1G75680.1.1	Plant	Ath	Ath_AT1G75680.1.1	Ath_AT1G75680.1.1
AA1	943	AT1G75790.1.1	545	2.90E-116	447	912	42	500	0.493107105	Arabidopsis_thaliana	Plant	AA1_AT1G75790.1.1	Plant	Ath	Ath_AT1G75790.1.1	Ath_AT1G75790.1.1
CE16	267	AT1G75880.1.1	375	3.00E-20	60	264	132	364	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G75880.1.1	Plant	Ath	Ath_AT1G75880.1.1	Ath_AT1G75880.1.1
CE16	267	AT1G75880.2.1	374	3.50E-20	60	264	132	363	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G75880.2.1	Plant	Ath	Ath_AT1G75880.2.1	Ath_AT1G75880.2.1
CE16	267	AT1G75890.1.1	379	2.10E-21	80	264	159	372	0.689138577	Arabidopsis_thaliana	Plant	CE16_AT1G75890.1.1	Plant	Ath	Ath_AT1G75890.1.1	Ath_AT1G75890.1.1
CE16	267	AT1G75890.2.1	366	3.60E-22	60	264	128	359	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G75890.2.1	Plant	Ath	Ath_AT1G75890.2.1	Ath_AT1G75890.2.1
CE16	267	AT1G75890.3.1	395	4.60E-22	60	264	157	388	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G75890.3.1	Plant	Ath	Ath_AT1G75890.3.1	Ath_AT1G75890.3.1
CE16	267	AT1G75900.1.1	364	4.50E-20	59	262	122	336	0.760299626	Arabidopsis_thaliana	Plant	CE16_AT1G75900.1.1	Plant	Ath	Ath_AT1G75900.1.1	Ath_AT1G75900.1.1
CE16	267	AT1G75910.1.1	343	1.30E-18	60	266	108	334	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT1G75910.1.1	Plant	Ath	Ath_AT1G75910.1.1	Ath_AT1G75910.1.1
CE16	267	AT1G75920.1.1	353	6.70E-19	59	266	118	344	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G75920.1.1	Plant	Ath	Ath_AT1G75920.1.1	Ath_AT1G75920.1.1
CE16	267	AT1G75920.2.1	343	3.20E-19	59	266	108	334	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G75920.2.1	Plant	Ath	Ath_AT1G75920.2.1	Ath_AT1G75920.2.1
CE16	267	AT1G75920.3.1	312	5.30E-18	63	266	81	303	0.760299626	Arabidopsis_thaliana	Plant	CE16_AT1G75920.3.1	Plant	Ath	Ath_AT1G75920.3.1	Ath_AT1G75920.3.1
CE16	267	AT1G75920.4.1	315	4.70E-19	59	266	80	306	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT1G75920.4.1	Plant	Ath	Ath_AT1G75920.4.1	Ath_AT1G75920.4.1
CE16	267	AT1G75930.1.1	343	3.50E-20	60	264	110	332	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT1G75930.1.1	Plant	Ath	Ath_AT1G75930.1.1	Ath_AT1G75930.1.1
GH1	429	AT1G75940.1.1	535	1.30E-165	2	425	39	518	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT1G75940.1.1	Plant	Ath	Ath_AT1G75940.1.1	Ath_AT1G75940.1.1
GH13	299	AT1G76130.1.1	413	1.90E-27	21	283	48	333	0.876254181	Arabidopsis_thaliana	Plant	GH13_AT1G76130.1.1	Plant	Ath	Ath_AT1G76130.1.1	Ath_AT1G76130.1.1
GH13	299	AT1G76130.2.1	413	1.90E-27	21	283	48	333	0.876254181	Arabidopsis_thaliana	Plant	GH13_AT1G76130.2.1	Plant	Ath	Ath_AT1G76130.2.1	Ath_AT1G76130.2.1
AA1	943	AT1G76160.1.1	541	3.70E-151	451	913	47	496	0.489925769	Arabidopsis_thaliana	Plant	AA1_AT1G76160.1.1	Plant	Ath	Ath_AT1G76160.1.1	Ath_AT1G76160.1.1
AA2	255	AT1G77100.1.1	319	3.90E-48	8	254	44	303	0.964705882	Arabidopsis_thaliana	Plant	AA2_AT1G77100.1.1	Plant	Ath	Ath_AT1G77100.1.1	Ath_AT1G77100.1.1
GT8	257	AT1G77130.1.1	618	9.90E-39	26	254	283	498	0.887159533	Arabidopsis_thaliana	Plant	GT8_AT1G77130.1.1	Plant	Ath	Ath_AT1G77130.1.1	Ath_AT1G77130.1.1
GH35	307	AT1G77410.1.1	815	4.40E-111	1	306	32	336	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT1G77410.1.1	Plant	Ath	Ath_AT1G77410.1.1	Ath_AT1G77410.1.1
GH35	307	AT1G77410.2.1	709	2.00E-61	92	306	17	230	0.697068404	Arabidopsis_thaliana	Plant	GH35_AT1G77410.2.1	Plant	Ath	Ath_AT1G77410.2.1	Ath_AT1G77410.2.1
GH35	307	AT1G77410.3.1	820	2.10E-108	1	306	32	341	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT1G77410.3.1	Plant	Ath	Ath_AT1G77410.3.1	Ath_AT1G77410.3.1
GH35	307	AT1G77410.4.1	709	2.00E-61	92	306	17	230	0.697068404	Arabidopsis_thaliana	Plant	GH35_AT1G77410.4.1	Plant	Ath	Ath_AT1G77410.4.1	Ath_AT1G77410.4.1
AA2	255	AT1G77490.1.1	426	9.50E-51	22	254	103	341	0.909803922	Arabidopsis_thaliana	Plant	AA2_AT1G77490.1.1	Plant	Ath	Ath_AT1G77490.1.1	Ath_AT1G77490.1.1
AA2	255	AT1G77490.2.1	421	9.20E-51	22	254	103	341	0.909803922	Arabidopsis_thaliana	Plant	AA2_AT1G77490.2.1	Plant	Ath	Ath_AT1G77490.2.1	Ath_AT1G77490.2.1
CBM50	40	AT1G77630.1.1	423	0.00000014	1	40	175	217	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G77630.1.1	Plant	Ath	Ath_AT1G77630.1.1	Ath_AT1G77630.1.1
CBM50	40	AT1G77630.1.1	423	0.00000012	1	40	109	155	0.975	Arabidopsis_thaliana	Plant	CBM50_AT1G77630.1.1	Plant	Ath	Ath_AT1G77630.1.1	Ath_AT1G77630.1.1
GH17	311	AT1G77780.1.1	363	3.30E-98	2	309	25	332	0.987138264	Arabidopsis_thaliana	Plant	GH17_AT1G77780.1.1	Plant	Ath	Ath_AT1G77780.1.1	Ath_AT1G77780.1.1
GH17	311	AT1G77790.1.1	346	1.20E-96	2	309	31	341	0.987138264	Arabidopsis_thaliana	Plant	GH17_AT1G77790.1.1	Plant	Ath	Ath_AT1G77790.1.1	Ath_AT1G77790.1.1
GT31	192	AT1G77810.1.1	387	1.20E-54	1	191	132	328	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G77810.1.1	Plant	Ath	Ath_AT1G77810.1.1	Ath_AT1G77810.1.1
GT31	192	AT1G77810.2.1	384	1.20E-54	1	191	129	325	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT1G77810.2.1	Plant	Ath	Ath_AT1G77810.2.1	Ath_AT1G77810.2.1
GH3	216	AT1G78060.1.1	767	3.00E-68	4	215	72	325	0.976851852	Arabidopsis_thaliana	Plant	GH3_AT1G78060.1.1	Plant	Ath	Ath_AT1G78060.1.1	Ath_AT1G78060.1.1
CE1	227	AT1G78210.1.1	314	0.00000014	21	143	46	199	0.537444934	Arabidopsis_thaliana	Plant	CE1_AT1G78210.1.1	Plant	Ath	Ath_AT1G78210.1.1	Ath_AT1G78210.1.1
GT1	382	AT1G78270.1.1	489	1.10E-38	192	367	278	461	0.458115183	Arabidopsis_thaliana	Plant	GT1_AT1G78270.1.1	Plant	Ath	Ath_AT1G78270.1.1	Ath_AT1G78270.1.1
GH28	325	AT1G78400.1.1	404	2.50E-85	5	320	59	389	0.969230769	Arabidopsis_thaliana	Plant	GH28_AT1G78400.1.1	Plant	Ath	Ath_AT1G78400.1.1	Ath_AT1G78400.1.1
CBM43	83	AT1G78520.1.1	115	1.70E-26	1	82	32	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G78520.1.1	Plant	Ath	Ath_AT1G78520.1.1	Ath_AT1G78520.1.1
GT20	475	AT1G78580.1.1	942	3.70E-198	11	474	90	558	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G78580.1.1	Plant	Ath	Ath_AT1G78580.1.1	Ath_AT1G78580.1.1
GT20	475	AT1G78580.2.1	942	3.70E-198	11	474	90	558	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G78580.2.1	Plant	Ath	Ath_AT1G78580.2.1	Ath_AT1G78580.2.1
GT20	475	AT1G78580.3.1	942	3.70E-198	11	474	90	558	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G78580.3.1	Plant	Ath	Ath_AT1G78580.3.1	Ath_AT1G78580.3.1
GT20	475	AT1G78580.4.1	942	3.70E-198	11	474	90	558	0.974736842	Arabidopsis_thaliana	Plant	GT20_AT1G78580.4.1	Plant	Ath	Ath_AT1G78580.4.1	Ath_AT1G78580.4.1
GT4	160	AT1G78800.1.1	403	1.90E-41	12	159	212	369	0.91875	Arabidopsis_thaliana	Plant	GT4_AT1G78800.1.1	Plant	Ath	Ath_AT1G78800.1.1	Ath_AT1G78800.1.1
CBM43	83	AT1G79480.1.1	397	4.10E-29	1	82	311	392	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G79480.1.1	Plant	Ath	Ath_AT1G79480.1.1	Ath_AT1G79480.1.1
CBM43	83	AT1G79480.2.1	396	4.10E-29	1	82	310	391	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT1G79480.2.1	Plant	Ath	Ath_AT1G79480.2.1	Ath_AT1G79480.2.1
GH28	325	AT1G80140.1.1	336	3.90E-87	15	322	3	324	0.944615385	Arabidopsis_thaliana	Plant	GH28_AT1G80140.1.1	Plant	Ath	Ath_AT1G80140.1.1	Ath_AT1G80140.1.1
GH28	325	AT1G80170.1.1	444	3.30E-107	5	320	77	410	0.969230769	Arabidopsis_thaliana						

GT68	350	AT2G01480.2.1	529	9.20E-09	203	342	298	487	0.397142857	Arabidopsis_thaliana	Plant	GT68_AT2G01480.2.1	Plant	Ath	Ath_AT2G01480.2.1	Ath_AT2G01480.2.1
CBM43	83	AT2G01630.1.1	501	1.10E-29	2	82	361	442	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT2G01630.1.1	Plant	Ath	Ath_AT2G01630.1.1	Ath_AT2G01630.1.1
GH17	311	AT2G01630.1.1	501	1.30E-110	1	309	23	342	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT2G01630.1.1	Plant	Ath	Ath_AT2G01630.1.1	Ath_AT2G01630.1.1
GH17	311	AT2G01630.2.1	391	5.70E-111	1	309	23	342	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT2G01630.2.1	Plant	Ath	Ath_AT2G01630.2.1	Ath_AT2G01630.2.1
CBM43	83	AT2G01630.3.1	439	7.60E-28	2	78	361	438	0.915662651	Arabidopsis_thaliana	Plant	CBM43_AT2G01630.3.1	Plant	Ath	Ath_AT2G01630.3.1	Ath_AT2G01630.3.1
GH17	311	AT2G01630.3.1	439	8.40E-111	1	309	23	342	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT2G01630.3.1	Plant	Ath	Ath_AT2G01630.3.1	Ath_AT2G01630.3.1
GH16	189	AT2G01850.1.1	333	4.40E-26	27	185	34	214	0.835978836	Arabidopsis_thaliana	Plant	GH16_AT2G01850.1.1	Plant	Ath	Ath_AT2G01850.1.1	Ath_AT2G01850.1.1
GT77	216	AT2G02061.1.1	408	5.40E-58	2	216	155	353	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT2G02061.1.1	Plant	Ath	Ath_AT2G02061.1.1	Ath_AT2G02061.1.1
GT77	216	AT2G02061.2.1	394	5.00E-58	2	216	155	353	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT2G02061.2.1	Plant	Ath	Ath_AT2G02061.2.1	Ath_AT2G02061.2.1
PL1	202	AT2G02720.1.1	455	1.90E-58	20	200	171	368	0.891089109	Arabidopsis_thaliana	Plant	PL1_AT2G02720.1.1	Plant	Ath	Ath_AT2G02720.1.1	Ath_AT2G02720.1.1
GT37	459	AT2G03210.1.1	539	2.80E-217	8	459	55	510	0.982570806	Arabidopsis_thaliana	Plant	GT37_AT2G03210.1.1	Plant	Ath	Ath_AT2G03210.1.1	Ath_AT2G03210.1.1
GT37	459	AT2G03210.2.1	573	3.50E-217	8	459	89	544	0.982570806	Arabidopsis_thaliana	Plant	GT37_AT2G03210.2.1	Plant	Ath	Ath_AT2G03210.2.1	Ath_AT2G03210.2.1
GT37	459	AT2G03210.3.1	570	9.20E-218	5	459	83	541	0.989106754	Arabidopsis_thaliana	Plant	GT37_AT2G03210.3.1	Plant	Ath	Ath_AT2G03210.3.1	Ath_AT2G03210.3.1
GT37	459	AT2G03220.1.1	558	4.50E-227	15	459	90	532	0.967320261	Arabidopsis_thaliana	Plant	GT37_AT2G03220.1.1	Plant	Ath	Ath_AT2G03220.1.1	Ath_AT2G03220.1.1
GT61	242	AT2G03360.1.1	451	1.00E-68	2	239	67	307	0.979338843	Arabidopsis_thaliana	Plant	GT61_AT2G03360.1.1	Plant	Ath	Ath_AT2G03360.1.1	Ath_AT2G03360.1.1
GT61	242	AT2G03360.2.1	455	1.10E-68	2	239	71	311	0.979338843	Arabidopsis_thaliana	Plant	GT61_AT2G03360.2.1	Plant	Ath	Ath_AT2G03360.2.1	Ath_AT2G03360.2.1
GT61	242	AT2G03370.1.1	452	3.60E-71	2	241	70	310	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT2G03370.1.1	Plant	Ath	Ath_AT2G03370.1.1	Ath_AT2G03370.1.1
GT61	242	AT2G03370.2.1	454	3.60E-71	2	241	72	312	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT2G03370.2.1	Plant	Ath	Ath_AT2G03370.2.1	Ath_AT2G03370.2.1
CBM43	83	AT2G03505.1.1	168	2.40E-25	2	79	22	99	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G03505.1.1	Plant	Ath	Ath_AT2G03505.1.1	Ath_AT2G03505.1.1
CBM43	83	AT2G03505.2.1	168	2.40E-25	2	79	22	99	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G03505.2.1	Plant	Ath	Ath_AT2G03505.2.1	Ath_AT2G03505.2.1
CBM43	83	AT2G03505.3.1	118	9.00E-26	2	79	22	99	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G03505.3.1	Plant	Ath	Ath_AT2G03505.3.1	Ath_AT2G03505.3.1
CBM43	83	AT2G03505.4.1	168	2.40E-25	2	79	22	99	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G03505.4.1	Plant	Ath	Ath_AT2G03505.4.1	Ath_AT2G03505.4.1
CE10	341	AT2G03550.1.1	312	2.50E-55	55	334	28	311	0.818181818	Arabidopsis_thaliana	Plant	CE10_AT2G03550.1.1	Plant	Ath	Ath_AT2G03550.1.1	Ath_AT2G03550.1.1
CE16	267	AT2G03980.1.1	367	6.30E-20	5	263	48	351	0.966292135	Arabidopsis_thaliana	Plant	CE16_AT2G03980.1.1	Plant	Ath	Ath_AT2G03980.1.1	Ath_AT2G03980.1.1
CE16	267	AT2G03980.2.1	367	6.30E-20	5	263	48	351	0.966292135	Arabidopsis_thaliana	Plant	CE16_AT2G03980.2.1	Plant	Ath	Ath_AT2G03980.2.1	Ath_AT2G03980.2.1
CE16	267	AT2G03980.3.1	367	6.30E-20	5	263	48	351	0.966292135	Arabidopsis_thaliana	Plant	CE16_AT2G03980.3.1	Plant	Ath	Ath_AT2G03980.3.1	Ath_AT2G03980.3.1
CE16	267	AT2G03980.4.1	367	6.30E-20	5	263	48	351	0.966292135	Arabidopsis_thaliana	Plant	CE16_AT2G03980.4.1	Plant	Ath	Ath_AT2G03980.4.1	Ath_AT2G03980.4.1
CE16	267	AT2G04020.1.1	261	1.00E-14	33	175	81	241	0.531835206	Arabidopsis_thaliana	Plant	CE16_AT2G04020.1.1	Plant	Ath	Ath_AT2G04020.1.1	Ath_AT2G04020.1.1
CE16	267	AT2G04020.2.1	322	2.90E-14	34	172	82	239	0.516853933	Arabidopsis_thaliana	Plant	CE16_AT2G04020.2.1	Plant	Ath	Ath_AT2G04020.2.1	Ath_AT2G04020.2.1
GH35	307	AT2G04062.1.1	158	6.50E-32	2	137	15	144	0.439739414	Arabidopsis_thaliana	Plant	GH35_AT2G04062.1.1	Plant	Ath	Ath_AT2G04062.1.1	Ath_AT2G04062.1.1
CBM20	90	AT2G04270.1.1	996	8.90E-15	7	87	83	166	0.888888889	Arabidopsis_thaliana	Plant	CBM20_AT2G04270.1.1	Plant	Ath	Ath_AT2G04270.1.1	Ath_AT2G04270.1.1
CBM20	90	AT2G04270.5.1	1001	9.00E-15	7	87	88	171	0.888888889	Arabidopsis_thaliana	Plant	CBM20_AT2G04270.5.1	Plant	Ath	Ath_AT2G04270.5.1	Ath_AT2G04270.5.1
GT19	354	AT2G04560.1.1	460	2.70E-105	1	350	42	421	0.985875706	Arabidopsis_thaliana	Plant	GT19_AT2G04560.1.1	Plant	Ath	Ath_AT2G04560.1.1	Ath_AT2G04560.1.1
CE16	267	AT2G04570.1.1	350	4.70E-20	78	266	124	341	0.70411985	Arabidopsis_thaliana	Plant	CE16_AT2G04570.1.1	Plant	Ath	Ath_AT2G04570.1.1	Ath_AT2G04570.1.1
CBM43	83	AT2G04910.1.1	124	6.10E-28	1	79	15	94	0.939759036	Arabidopsis_thaliana	Plant	CBM43_AT2G04910.1.1	Plant	Ath	Ath_AT2G04910.1.1	Ath_AT2G04910.1.1
CBM43	83	AT2G04910.2.1	104	7.90E-30	1	83	15	98	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT2G04910.2.1	Plant	Ath	Ath_AT2G04910.2.1	Ath_AT2G04910.2.1
GT16	350	AT2G05320.1.1	430	9.20E-142	8	350	77	414	0.977142857	Arabidopsis_thaliana	Plant	GT16_AT2G05320.1.1	Plant	Ath	Ath_AT2G05320.1.1	Ath_AT2G05320.1.1
CBM43	83	AT2G05790.1.1	472	2.40E-31	1	83	384	467	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT2G05790.1.1	Plant	Ath	Ath_AT2G05790.1.1	Ath_AT2G05790.1.1
GH17	311	AT2G05790.1.1	472	2.40E-113	1	311	25	344	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT2G05790.1.1	Plant	Ath	Ath_AT2G05790.1.1	Ath_AT2G05790.1.1
GH16	189	AT2G06850.1.1	296	5.40E-25	35	176	52	213	0.746031746	Arabidopsis_thaliana	Plant	GH16_AT2G06850.1.1	Plant	Ath	Ath_AT2G06850.1.1	Ath_AT2G06850.1.1
GH16	189	AT2G06850.2.1	236	8.40E-24	53	176	6	153	0.650793651	Arabidopsis_thaliana	Plant	GH16_AT2G06850.2.1	Plant	Ath	Ath_AT2G06850.2.1	Ath_AT2G06850.2.1
GT28	157	AT2G11810.1.1	465	2.90E-31	2	157	281	439	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT2G11810.1.1	Plant	Ath	Ath_AT2G11810.1.1	Ath_AT2G11810.1.1
GT28	157	AT2G11810.2.1	362	5.20E-11	2	73	281	361	0.452229299	Arabidopsis_thaliana	Plant	GT28_AT2G11810.2.1	Plant	Ath	Ath_AT2G11810.2.1	Ath_AT2G11810.2.1
GT28	157	AT2G11810.3.1	372	4.50E-11	2	73	281	361	0.452229299	Arabidopsis_thaliana	Plant	GT28_AT2G11810.3.1	Plant	Ath	Ath_AT2G11810.3.1	Ath_AT2G11810.3.1
GT28	157	AT2G11810.4.1	342	1.50E-31	2	157	158	316	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT2G11810.4.1	Plant	Ath	Ath_AT2G11810.4.1	Ath_AT2G11810.4.1
GT17	284	AT2G13290.1.1	361	3.20E-122	1	284	63	354	0.996478873	Arabidopsis_thaliana	Plant	GT17_AT2G13290.1.1	Plant	Ath	Ath_AT2G13290.1.1	Ath_AT2G13290.1.1
GT17	284	AT2G13290.2.1	361	3.20E-122	1	284	63	354	0.996478873	Arabidopsis_thaliana	Plant	GT17_AT2G13290.2.1	Plant	Ath	Ath_AT2G13290.2.1	Ath_AT2G13290.2.1
GT48	739	AT2G13680.1.1	1923	0	2	731	1040	1783	0.9864682	Arabidopsis_thaliana	Plant	GT48_AT2G13680.1.1	Plant	Ath	Ath_AT2G13680.1.1	Ath_AT2G13680.1.1
GH16	189	AT2G14620.1.1	299	2.90E-22	29	185	46	216	0.825396825	Arabidopsis_thaliana	Plant	GH16_AT2G14620.1.1	Plant	Ath	Ath_AT2G14620.1.1	Ath_AT2G14620.1.1
GH16	189	AT2G14620.2.1	249	5.60E-21	56	185	21	166	0.682539683	Arabidopsis_thaliana	Plant	GH16_AT2G14620.2.1	Plant	Ath	Ath_AT2G14620.2.1	Ath_AT2G14620.2.1
GH16	189	AT2G14620.3.1	238	1.90E-20	60	185	14	155	0.661375661	Arabidopsis_thaliana	Plant	GH16_AT2G14620.3.1	Plant	Ath	Ath_AT2G14620.3.1	Ath_AT2G14620.3.1
CBM22	131	AT2G14690.1.1	570	0.0000051	56	120	73	134	0.488549618	Arabidopsis_thaliana	Plant	CBM22_AT2G14690.1.1	Plant	Ath	Ath_AT2G14690.1.1	Ath_AT2G14690.1.1
GH10	303	AT2G14690.1.1	570	7.70E-55	9	268	205	465	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT2G14690.1.1	Plant	Ath	Ath_AT2G14690.1.1	Ath_AT2G14690.1.1
GT37	459	AT2G15350.1.1	514	1.20E-210	8	459	30	484	0.982570806	Arabidopsis_thaliana	Plant	GT37_AT2G15350.1.1	Plant	Ath	Ath_AT2G15350.1.1	Ath_AT2G15350.1.1
GT37	459	AT2G15370.1.1	533	1.90E-208	7	459	48	503	0.984749455	Arabidopsis_thaliana	Plant	GT37_AT2G15370.1.1	Plant	Ath	Ath_AT2G15370.1.1	Ath_AT2G15370.1.1
GT37	459	AT2G15390.1.1	503	3.70E-212	15	458	26	473	0.965141612	Arabidopsis_thaliana	Plant	GT37_AT2G15390.1.1	Plant	Ath	Ath_AT2G15390.1.1	Ath_AT2G15390.1.1
GT37	459	AT2G15390.2.1	535	3.10E-212	14	458	57	505	0.967320261	Arabidopsis_thaliana	Plant	GT37_AT2G15390.2.1	Plant	Ath	Ath_AT2G15390.2.1	Ath_AT2G15390.2.1
GH28	325	AT2G15450.1.1	404	4.20E-84	7	321	57	390	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT2G15450.1.1	Plant	Ath	Ath_AT2G15450.1.1	Ath_AT2G15450.1.1
GH28	325	AT2G15460.1.1	402	4.60E-85	7	321	57	390	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT2G15460.1.1	Plant	Ath	Ath_AT2G15460.1.1	Ath_AT2G15460.1.1
GH28	325	AT2G15470.1.1	404	8.70E-83	7	321	57	390	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT2G15470.1.1	Plant	Ath	Ath_AT2G15470.1.1	Ath_AT2G15470.1.1
GT1	382	AT2G15480.1.1	484	1.40E-34	192	367	276	458	0.458115183	Arabidopsis_thaliana	Plant	GT1_AT2G15480.1.1	Plant	Ath	Ath_AT2G15480.1.1	Ath_AT2G15480.1.1
GT1	382	AT2G15480.2.1	494	1.30E-34	192	374	276	472	0.476439791	Arabidopsis_thaliana	Plant	GT1_AT2G15480.2.1	Plant	Ath	Ath_AT2G15480.2.1	Ath_AT2G15480.2.1
GT1	382	AT2G15490.1.1	484	8.50E-36	194	374	275	462	0.471204189	Arabidopsis_thaliana	Plant	GT1_AT2G15490.1.1	Plant	Ath	Ath_AT2G15490.1.1	Ath_AT2G15490.1.1
GT1	382	AT2G15490.3.1	481	1.60E-36	193	374	274	459	0.47382199	Arabidopsis_thaliana	Plant	GT1_AT2G15490.3.1	Plant	Ath	Ath_AT2G15490.3.1	Ath_AT2G15490.3.1
CBM43	83	AT2G16230.1.1	503	1.10E-29	1	82	366	447	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT2G16230.1.1	Plant	Ath	Ath_AT2G16230.1.1	Ath_AT2G16230.1.1
GH17	311	AT2G16230.1.1														

AA2	255	AT2G18140.1.1	337	1.50E-60	15	251	59	316	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT2G18140.1.1	Plant	Ath	Ath_AT2G18140.1.1	Ath_AT2G18140.1.1
AA2	255	AT2G18150.1.1	338	5.00E-62	15	252	60	318	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT2G18150.1.1	Plant	Ath	Ath_AT2G18150.1.1	Ath_AT2G18150.1.1
CBM32	124	AT2G18290.1.1	192	0.00035	10	71	39	105	0.491935484	Arabidopsis_thaliana	Plant	CBM32_AT2G18290.1.1	Plant	Ath	Ath_AT2G18290.1.1	Ath_AT2G18290.1.1
CE1	227	AT2G18360.1.1	313	0.0000013	26	193	62	276	0.735682819	Arabidopsis_thaliana	Plant	CE1_AT2G18360.1.1	Plant	Ath	Ath_AT2G18360.1.1	Ath_AT2G18360.1.1
CE1	227	AT2G18360.2.1	272	0.000005	26	141	62	167	0.50660793	Arabidopsis_thaliana	Plant	CE1_AT2G18360.2.1	Plant	Ath	Ath_AT2G18360.2.1	Ath_AT2G18360.2.1
GT1	382	AT2G18560.1.1	380	3.70E-31	171	364	138	351	0.505235602	Arabidopsis_thaliana	Plant	GT1_AT2G18560.1.1	Plant	Ath	Ath_AT2G18560.1.1	Ath_AT2G18560.1.1
GT1	382	AT2G18570.1.1	470	2.70E-33	169	360	226	441	0.5	Arabidopsis_thaliana	Plant	GT1_AT2G18570.1.1	Plant	Ath	Ath_AT2G18570.1.1	Ath_AT2G18570.1.1
GT20	475	AT2G18700.1.1	862	1.00E-168	13	475	50	538	0.972631579	Arabidopsis_thaliana	Plant	GT20_AT2G18700.1.1	Plant	Ath	Ath_AT2G18700.1.1	Ath_AT2G18700.1.1
GH16	189	AT2G18800.1.1	305	8.30E-25	36	176	46	206	0.740740741	Arabidopsis_thaliana	Plant	GH16_AT2G18800.1.1	Plant	Ath	Ath_AT2G18800.1.1	Ath_AT2G18800.1.1
AA2	255	AT2G18980.1.1	323	1.70E-53	6	254	39	307	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT2G18980.1.1	Plant	Ath	Ath_AT2G18980.1.1	Ath_AT2G18980.1.1
CE16	267	AT2G19010.1.1	348	1.30E-19	2	264	32	329	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT2G19010.1.1	Plant	Ath	Ath_AT2G19010.1.1	Ath_AT2G19010.1.1
CE16	267	AT2G19010.2.1	378	1.70E-19	2	264	62	359	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT2G19010.2.1	Plant	Ath	Ath_AT2G19010.2.1	Ath_AT2G19010.2.1
CE16	267	AT2G19050.1.1	349	2.60E-20	3	265	34	331	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT2G19050.1.1	Plant	Ath	Ath_AT2G19050.1.1	Ath_AT2G19050.1.1
CE16	267	AT2G19050.2.1	282	2.50E-17	3	215	34	270	0.794007491	Arabidopsis_thaliana	Plant	CE16_AT2G19050.2.1	Plant	Ath	Ath_AT2G19050.2.1	Ath_AT2G19050.2.1
CE16	267	AT2G19060.1.1	349	2.00E-17	3	264	33	331	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT2G19060.1.1	Plant	Ath	Ath_AT2G19060.1.1	Ath_AT2G19060.1.1
CE8	288	AT2G19150.1.1	339	2.00E-84	2	287	41	327	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT2G19150.1.1	Plant	Ath	Ath_AT2G19150.1.1	Ath_AT2G19150.1.1
CE8	288	AT2G19150.2.1	285	4.60E-74	2	243	41	281	0.836805556	Arabidopsis_thaliana	Plant	CE8_AT2G19150.2.1	Plant	Ath	Ath_AT2G19150.2.1	Ath_AT2G19150.2.1
GT14	250	AT2G19160.1.1	394	8.00E-12	59	243	158	324	0.736	Arabidopsis_thaliana	Plant	GT14_AT2G19160.1.1	Plant	Ath	Ath_AT2G19160.1.1	Ath_AT2G19160.1.1
GT14	250	AT2G19160.2.1	394	8.00E-12	59	243	158	324	0.736	Arabidopsis_thaliana	Plant	GT14_AT2G19160.2.1	Plant	Ath	Ath_AT2G19160.2.1	Ath_AT2G19160.2.1
CBM43	83	AT2G19440.1.1	478	6.30E-22	1	83	362	443	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT2G19440.1.1	Plant	Ath	Ath_AT2G19440.1.1	Ath_AT2G19440.1.1
GH17	311	AT2G19440.1.1	478	2.20E-104	1	310	21	339	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT2G19440.1.1	Plant	Ath	Ath_AT2G19440.1.1	Ath_AT2G19440.1.1
CBM43	83	AT2G19440.2.1	478	6.30E-22	1	83	362	443	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT2G19440.2.1	Plant	Ath	Ath_AT2G19440.2.1	Ath_AT2G19440.2.1
GH17	311	AT2G19440.2.1	478	2.20E-104	1	310	21	339	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT2G19440.2.1	Plant	Ath	Ath_AT2G19440.2.1	Ath_AT2G19440.2.1
AA7	458	AT2G19500.1.1	501	1.90E-31	11	194	53	238	0.399563319	Arabidopsis_thaliana	Plant	AA7_AT2G19500.1.1	Plant	Ath	Ath_AT2G19500.1.1	Ath_AT2G19500.1.1
CE1	227	AT2G19550.1.1	332	0.00000069	27	218	27	243	0.841409692	Arabidopsis_thaliana	Plant	CE1_AT2G19550.1.1	Plant	Ath	Ath_AT2G19550.1.1	Ath_AT2G19550.1.1
GT21	233	AT2G19880.1.1	519	1.90E-32	1	199	84	314	0.849785408	Arabidopsis_thaliana	Plant	GT21_AT2G19880.1.1	Plant	Ath	Ath_AT2G19880.1.1	Ath_AT2G19880.1.1
GT21	233	AT2G19880.2.1	520	1.90E-32	1	199	84	314	0.849785408	Arabidopsis_thaliana	Plant	GT21_AT2G19880.2.1	Plant	Ath	Ath_AT2G19880.2.1	Ath_AT2G19880.2.1
GT47	296	AT2G20370.1.1	619	5.80E-71	4	296	153	492	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT2G20370.1.1	Plant	Ath	Ath_AT2G20370.1.1	Ath_AT2G20370.1.1
GH5	275	AT2G20680.1.1	433	5.40E-32	6	231	53	379	0.818181818	Arabidopsis_thaliana	Plant	GH5_AT2G20680.1.1	Plant	Ath	Ath_AT2G20680.1.1	Ath_AT2G20680.1.1
GT8	257	AT2G20810.1.1	536	1.70E-54	1	255	194	509	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G20810.1.1	Plant	Ath	Ath_AT2G20810.1.1	Ath_AT2G20810.1.1
CBM57	147	AT2G21480.1.1	871	2.00E-13	1	143	239	406	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT2G21480.1.1	Plant	Ath	Ath_AT2G21480.1.1	Ath_AT2G21480.1.1
CBM57	147	AT2G21480.1.1	871	6.90E-12	4	147	59	205	0.972789116	Arabidopsis_thaliana	Plant	CBM57_AT2G21480.1.1	Plant	Ath	Ath_AT2G21480.1.1	Ath_AT2G21480.1.1
CE8	288	AT2G21610.1.1	352	9.80E-98	3	287	52	327	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G21610.1.1	Plant	Ath	Ath_AT2G21610.1.1	Ath_AT2G21610.1.1
CE8	288	AT2G21610.2.1	357	1.00E-97	3	287	57	332	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G21610.2.1	Plant	Ath	Ath_AT2G21610.2.1	Ath_AT2G21610.2.1
GT2_Cellulose_synt	722	AT2G21770.1.1	1088	0	1	714	361	1075	0.987534626	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G21770.1.1	Plant	Ath	Ath_AT2G21770.1.1	Ath_AT2G21770.1.1
AA2	255	AT2G22420.1.1	329	2.20E-49	10	252	41	303	0.949019608	Arabidopsis_thaliana	Plant	AA2_AT2G22420.1.1	Plant	Ath	Ath_AT2G22420.1.1	Ath_AT2G22420.1.1
GT1	382	AT2G22590.1.1	470	1.00E-25	192	368	263	453	0.460732984	Arabidopsis_thaliana	Plant	GT1_AT2G22590.1.1	Plant	Ath	Ath_AT2G22590.1.1	Ath_AT2G22590.1.1
CBM57	147	AT2G22610.1.1	1083	1.10E-20	2	147	80	222	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT2G22610.1.1	Plant	Ath	Ath_AT2G22610.1.1	Ath_AT2G22610.1.1
CBM57	147	AT2G22610.2.1	1062	1.00E-20	2	147	80	222	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT2G22610.2.1	Plant	Ath	Ath_AT2G22610.2.1	Ath_AT2G22610.2.1
CBM57	147	AT2G22610.3.1	1084	5.90E-23	2	147	80	223	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT2G22610.3.1	Plant	Ath	Ath_AT2G22610.3.1	Ath_AT2G22610.3.1
PL4	567	AT2G22620.1.1	677	1.10E-207	14	560	59	659	0.962962963	Arabidopsis_thaliana	Plant	PL4_AT2G22620.1.1	Plant	Ath	Ath_AT2G22620.1.1	Ath_AT2G22620.1.1
PL4	567	AT2G22620.2.1	597	3.00E-168	133	560	113	579	0.75308642	Arabidopsis_thaliana	Plant	PL4_AT2G22620.2.1	Plant	Ath	Ath_AT2G22620.2.1	Ath_AT2G22620.2.1
PL4	567	AT2G22620.3.1	677	1.10E-207	14	560	59	659	0.962962963	Arabidopsis_thaliana	Plant	PL4_AT2G22620.3.1	Plant	Ath	Ath_AT2G22620.3.1	Ath_AT2G22620.3.1
PL4	567	AT2G22620.4.1	557	9.50E-175	14	461	59	557	0.788359788	Arabidopsis_thaliana	Plant	PL4_AT2G22620.4.1	Plant	Ath	Ath_AT2G22620.4.1	Ath_AT2G22620.4.1
PL4	567	AT2G22620.5.1	476	1.90E-139	14	382	59	466	0.649029982	Arabidopsis_thaliana	Plant	PL4_AT2G22620.5.1	Plant	Ath	Ath_AT2G22620.5.1	Ath_AT2G22620.5.1
GT34	246	AT2G22900.1.1	449	4.30E-80	2	245	123	397	0.987804878	Arabidopsis_thaliana	Plant	GT34_AT2G22900.1.1	Plant	Ath	Ath_AT2G22900.1.1	Ath_AT2G22900.1.1
GT1	382	AT2G22930.1.1	442	5.80E-17	38	352	47	403	0.821989529	Arabidopsis_thaliana	Plant	GT1_AT2G22930.1.1	Plant	Ath	Ath_AT2G22930.1.1	Ath_AT2G22930.1.1
CBM57	147	AT2G23200.1.1	834	0.00000018	3	97	40	135	0.639455782	Arabidopsis_thaliana	Plant	CBM57_AT2G23200.1.1	Plant	Ath	Ath_AT2G23200.1.1	Ath_AT2G23200.1.1
GT1	382	AT2G23250.1.1	438	4.00E-37	17	371	25	421	0.926701571	Arabidopsis_thaliana	Plant	GT1_AT2G23250.1.1	Plant	Ath	Ath_AT2G23250.1.1	Ath_AT2G23250.1.1
GT1	382	AT2G23260.1.1	456	4.10E-38	220	365	208	433	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT2G23260.1.1	Plant	Ath	Ath_AT2G23260.1.1	Ath_AT2G23260.1.1
CE16	267	AT2G23540.1.1	387	2.90E-25	51	266	121	368	0.805243446	Arabidopsis_thaliana	Plant	CE16_AT2G23540.1.1	Plant	Ath	Ath_AT2G23540.1.1	Ath_AT2G23540.1.1
AA1	943	AT2G23630.1.1	541	1.10E-131	450	914	36	499	0.49204666	Arabidopsis_thaliana	Plant	AA1_AT2G23630.1.1	Plant	Ath	Ath_AT2G23630.1.1	Ath_AT2G23630.1.1
AA1	943	AT2G23630.2.1	546	1.00E-131	450	914	41	504	0.49204666	Arabidopsis_thaliana	Plant	AA1_AT2G23630.2.1	Plant	Ath	Ath_AT2G23630.2.1	Ath_AT2G23630.2.1
CBM50	40	AT2G23770.1.1	612	0.00000028	1	40	121	166	0.975	Arabidopsis_thaliana	Plant	CBM50_AT2G23770.1.1	Plant	Ath	Ath_AT2G23770.1.1	Ath_AT2G23770.1.1
GH28	325	AT2G23900.1.1	477	9.20E-83	10	320	88	434	0.953846154	Arabidopsis_thaliana	Plant	GH28_AT2G23900.1.1	Plant	Ath	Ath_AT2G23900.1.1	Ath_AT2G23900.1.1
CE16	267	AT2G24560.1.1	363	5.30E-17	4	261	38	344	0.962546817	Arabidopsis_thaliana	Plant	CE16_AT2G24560.1.1	Plant	Ath	Ath_AT2G24560.1.1	Ath_AT2G24560.1.1
CE16	267	AT2G24560.2.1	316	2.60E-12	4	232	38	300	0.853932584	Arabidopsis_thaliana	Plant	CE16_AT2G24560.2.1	Plant	Ath	Ath_AT2G24560.2.1	Ath_AT2G24560.2.1
GT2	168	AT2G24630.1.1	690	5.80E-26	2	167	231	407	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT2G24630.1.1	Plant	Ath	Ath_AT2G24630.1.1	Ath_AT2G24630.1.1
GT2	168	AT2G24630.2.1	690	5.80E-26	2	167	231	407	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT2G24630.2.1	Plant	Ath	Ath_AT2G24630.2.1	Ath_AT2G24630.2.1
AA2	255	AT2G24800.1.1	329	3.50E-51	14	254	54	313	0.941176471	Arabidopsis_thaliana	Plant	AA2_AT2G24800.1.1	Plant	Ath	Ath_AT2G24800.1.1	Ath_AT2G24800.1.1
AA2	255	AT2G24800.2.1	243	1.40E-34	14	152	54	193	0.541176471	Arabidopsis_thaliana	Plant	AA2_AT2G24800.2.1	Plant	Ath	Ath_AT2G24800.2.1	Ath_AT2G24800.2.1
GT95	294	AT2G25260.1.1	358	3.00E-147	1	294	64	356	0.99659864	Arabidopsis_thaliana	Plant	GT95_AT2G25260.1.1	Plant	Ath	Ath_AT2G25260.1.1	Ath_AT2G25260.1.1
GT31	192	AT2G25300.1.1	346	1.10E-41	2	189	134	326	0.973958333	Arabidopsis_thaliana	Plant	GT31_AT2G25300.1.1	Plant	Ath	Ath_AT2G25300.1.1	Ath_AT2G25300.1.1
GT31	192	AT2G25300.2.1	268	5.20E-42	2	189	56	248	0.973958333	Arabidopsis_thaliana	Plant	GT31_AT2G25300.2.1	Plant	Ath	Ath_AT2G25300.2.1	Ath_AT2G25300.2.1
GT2_Cellulose_synt	722	AT2G25540.1.1	1058	0	1	718	334	1052	0.993074792	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G25540.1.1	Plant	Ath	Ath_AT2G25540.1.1	Ath_AT2G25540.1.1
GH1	429	AT2G25630.1.1	489	4.10E-165	2	426										

GH17	311	AT2G26600.1.1	388	1.20E-108	2	311	35	353	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT2G26600.1.1	Plant	Ath	Ath_AT2G26600.1.1	Ath_AT2G26600.1.1
GH17	311	AT2G26600.2.1	294	3.20E-86	63	311	2	259	0.797427653	Arabidopsis_thaliana	Plant	GH17_AT2G26600.2.1	Plant	Ath	Ath_AT2G26600.2.1	Ath_AT2G26600.2.1
GH28	325	AT2G26620.1.1	402	5.70E-84	7	321	57	388	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT2G26620.1.1	Plant	Ath	Ath_AT2G26620.1.1	Ath_AT2G26620.1.1
CE1	227	AT2G26740.1.1	321	0.00000072	27	143	24	159	0.511013216	Arabidopsis_thaliana	Plant	CE1_AT2G26740.1.1	Plant	Ath	Ath_AT2G26740.1.1	Ath_AT2G26740.1.1
CE14	124	AT2G27340.1.1	178	0.00049	51	122	2	71	0.572580645	Arabidopsis_thaliana	Plant	CE14_AT2G27340.1.1	Plant	Ath	Ath_AT2G27340.1.1	Ath_AT2G27340.1.1
CE14	124	AT2G27340.2.1	258	5.90E-13	1	122	41	151	0.975806452	Arabidopsis_thaliana	Plant	CE14_AT2G27340.2.1	Plant	Ath	Ath_AT2G27340.2.1	Ath_AT2G27340.2.1
CE14	124	AT2G27340.3.1	258	5.90E-13	1	122	41	151	0.975806452	Arabidopsis_thaliana	Plant	CE14_AT2G27340.3.1	Plant	Ath	Ath_AT2G27340.3.1	Ath_AT2G27340.3.1
CE14	124	AT2G27340.4.1	258	5.90E-13	1	122	41	151	0.975806452	Arabidopsis_thaliana	Plant	CE14_AT2G27340.4.1	Plant	Ath	Ath_AT2G27340.4.1	Ath_AT2G27340.4.1
CE14	124	AT2G27340.5.1	218	3.90E-13	1	122	1	111	0.975806452	Arabidopsis_thaliana	Plant	CE14_AT2G27340.5.1	Plant	Ath	Ath_AT2G27340.5.1	Ath_AT2G27340.5.1
CE16	267	AT2G27360.1.1	394	1.00E-14	2	264	35	358	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT2G27360.1.1	Plant	Ath	Ath_AT2G27360.1.1	Ath_AT2G27360.1.1
GH17	311	AT2G27500.1.1	392	1.60E-110	1	309	29	346	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT2G27500.1.1	Plant	Ath	Ath_AT2G27500.1.1	Ath_AT2G27500.1.1
GH17	311	AT2G27500.2.1	377	1.40E-110	1	309	29	346	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT2G27500.2.1	Plant	Ath	Ath_AT2G27500.2.1	Ath_AT2G27500.2.1
GH17	311	AT2G27500.3.1	314	1.20E-91	51	309	1	268	0.829581994	Arabidopsis_thaliana	Plant	GH17_AT2G27500.3.1	Plant	Ath	Ath_AT2G27500.3.1	Ath_AT2G27500.3.1
GT1	382	AT2G28080.1.1	482	3.40E-27	222	361	280	446	0.363874346	Arabidopsis_thaliana	Plant	GT1_AT2G28080.1.1	Plant	Ath	Ath_AT2G28080.1.1	Ath_AT2G28080.1.1
GH29	346	AT2G28100.1.1	506	2.70E-80	40	335	40	338	0.852601156	Arabidopsis_thaliana	Plant	GH29_AT2G28100.1.1	Plant	Ath	Ath_AT2G28100.1.1	Ath_AT2G28100.1.1
GT47	296	AT2G28110.1.1	448	1.30E-72	4	296	93	393	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT2G28110.1.1	Plant	Ath	Ath_AT2G28110.1.1	Ath_AT2G28110.1.1
GH35	307	AT2G28470.1.1	852	1.80E-120	1	306	39	342	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G28470.1.1	Plant	Ath	Ath_AT2G28470.1.1	Ath_AT2G28470.1.1
GH35	307	AT2G28470.2.1	846	1.80E-120	1	306	33	336	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G28470.2.1	Plant	Ath	Ath_AT2G28470.2.1	Ath_AT2G28470.2.1
GH35	307	AT2G28470.3.1	852	1.80E-120	1	306	39	342	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G28470.3.1	Plant	Ath	Ath_AT2G28470.3.1	Ath_AT2G28470.3.1
GH35	307	AT2G28470.4.1	846	1.80E-120	1	306	33	336	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G28470.4.1	Plant	Ath	Ath_AT2G28470.4.1	Ath_AT2G28470.4.1
GH35	307	AT2G28470.5.1	702	1.20E-120	1	306	39	342	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G28470.5.1	Plant	Ath	Ath_AT2G28470.5.1	Ath_AT2G28470.5.1
GT47	296	AT2G29040.1.1	730	1.80E-68	2	296	299	638	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT2G29040.1.1	Plant	Ath	Ath_AT2G29040.1.1	Ath_AT2G29040.1.1
AA1	943	AT2G29130.1.1	573	2.60E-166	3	550	29	559	0.580063627	Arabidopsis_thaliana	Plant	AA1_AT2G29130.1.1	Plant	Ath	Ath_AT2G29130.1.1	Ath_AT2G29130.1.1
GT1	382	AT2G29710.1.1	467	2.30E-33	196	365	235	442	0.442408377	Arabidopsis_thaliana	Plant	GT1_AT2G29710.1.1	Plant	Ath	Ath_AT2G29710.1.1	Ath_AT2G29710.1.1
GT1	382	AT2G29730.1.1	467	2.60E-33	197	365	237	442	0.439790576	Arabidopsis_thaliana	Plant	GT1_AT2G29730.1.1	Plant	Ath	Ath_AT2G29730.1.1	Ath_AT2G29730.1.1
CBM43	83	AT2G29735.1.1	117	2.40E-25	1	82	31	114	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT2G29735.1.1	Plant	Ath	Ath_AT2G29735.1.1	Ath_AT2G29735.1.1
GT1	382	AT2G29740.1.1	474	5.70E-37	175	363	222	452	0.492146597	Arabidopsis_thaliana	Plant	GT1_AT2G29740.1.1	Plant	Ath	Ath_AT2G29740.1.1	Ath_AT2G29740.1.1
GT1	382	AT2G29750.1.1	481	5.00E-34	190	363	241	452	0.452879581	Arabidopsis_thaliana	Plant	GT1_AT2G29750.1.1	Plant	Ath	Ath_AT2G29750.1.1	Ath_AT2G29750.1.1
GT1	382	AT2G30140.1.1	455	1.60E-34	220	359	250	425	0.363874346	Arabidopsis_thaliana	Plant	GT1_AT2G30140.1.1	Plant	Ath	Ath_AT2G30140.1.1	Ath_AT2G30140.1.1
GT1	382	AT2G30140.2.1	454	1.50E-34	220	359	247	424	0.363874346	Arabidopsis_thaliana	Plant	GT1_AT2G30140.2.1	Plant	Ath	Ath_AT2G30140.2.1	Ath_AT2G30140.2.1
GT1	382	AT2G30150.1.1	440	1.20E-34	208	363	217	407	0.405759162	Arabidopsis_thaliana	Plant	GT1_AT2G30150.1.1	Plant	Ath	Ath_AT2G30150.1.1	Ath_AT2G30150.1.1
GT1	382	AT2G30150.2.1	456	1.10E-34	207	363	232	423	0.408376963	Arabidopsis_thaliana	Plant	GT1_AT2G30150.2.1	Plant	Ath	Ath_AT2G30150.2.1	Ath_AT2G30150.2.1
AA1	943	AT2G30210.1.1	570	1.50E-163	2	549	26	553	0.580063627	Arabidopsis_thaliana	Plant	AA1_AT2G30210.1.1	Plant	Ath	Ath_AT2G30210.1.1	Ath_AT2G30210.1.1
CE16	267	AT2G30220.1.1	358	1.20E-14	58	262	112	344	0.764044944	Arabidopsis_thaliana	Plant	CE16_AT2G30220.1.1	Plant	Ath	Ath_AT2G30220.1.1	Ath_AT2G30220.1.1
CE16	267	AT2G30310.1.1	359	7.20E-16	56	261	111	344	0.767790262	Arabidopsis_thaliana	Plant	CE16_AT2G30310.1.1	Plant	Ath	Ath_AT2G30310.1.1	Ath_AT2G30310.1.1
GT8	257	AT2G30575.1.1	610	4.60E-57	1	255	291	582	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G30575.1.1	Plant	Ath	Ath_AT2G30575.1.1	Ath_AT2G30575.1.1
CBM32	124	AT2G30600.1.1	809	6.70E-09	8	112	671	791	0.838709677	Arabidopsis_thaliana	Plant	CBM32_AT2G30600.1.1	Plant	Ath	Ath_AT2G30600.1.1	Ath_AT2G30600.1.1
CBM32	124	AT2G30600.2.1	809	6.70E-09	8	112	671	791	0.838709677	Arabidopsis_thaliana	Plant	CBM32_AT2G30600.2.1	Plant	Ath	Ath_AT2G30600.2.1	Ath_AT2G30600.2.1
CBM32	124	AT2G30600.3.1	809	6.70E-09	8	112	671	791	0.838709677	Arabidopsis_thaliana	Plant	CBM32_AT2G30600.3.1	Plant	Ath	Ath_AT2G30600.3.1	Ath_AT2G30600.3.1
CBM32	124	AT2G30600.4.1	809	6.70E-09	8	112	671	791	0.838709677	Arabidopsis_thaliana	Plant	CBM32_AT2G30600.4.1	Plant	Ath	Ath_AT2G30600.4.1	Ath_AT2G30600.4.1
CBM32	124	AT2G30600.5.1	855	7.20E-09	9	112	718	837	0.830645161	Arabidopsis_thaliana	Plant	CBM32_AT2G30600.5.1	Plant	Ath	Ath_AT2G30600.5.1	Ath_AT2G30600.5.1
CBM43	83	AT2G30933.1.1	227	2.10E-31	1	83	82	164	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT2G30933.1.1	Plant	Ath	Ath_AT2G30933.1.1	Ath_AT2G30933.1.1
CBM43	83	AT2G30933.2.1	159	7.80E-30	1	78	82	159	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G30933.2.1	Plant	Ath	Ath_AT2G30933.2.1	Ath_AT2G30933.2.1
CBM43	83	AT2G30933.3.1	159	7.80E-30	1	78	82	159	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT2G30933.3.1	Plant	Ath	Ath_AT2G30933.3.1	Ath_AT2G30933.3.1
CE16	267	AT2G31540.1.1	360	6.60E-17	133	262	197	346	0.483146067	Arabidopsis_thaliana	Plant	CE16_AT2G31540.1.1	Plant	Ath	Ath_AT2G31540.1.1	Ath_AT2G31540.1.1
CE16	267	AT2G31550.1.1	219	2.90E-17	136	263	59	206	0.475655431	Arabidopsis_thaliana	Plant	CE16_AT2G31550.1.1	Plant	Ath	Ath_AT2G31550.1.1	Ath_AT2G31550.1.1
GT1	382	AT2G31750.1.1	456	1.80E-36	154	366	220	435	0.554973822	Arabidopsis_thaliana	Plant	GT1_AT2G31750.1.1	Plant	Ath	Ath_AT2G31750.1.1	Ath_AT2G31750.1.1
GT1	382	AT2G31750.2.1	490	2.20E-36	154	366	220	435	0.554973822	Arabidopsis_thaliana	Plant	GT1_AT2G31750.2.1	Plant	Ath	Ath_AT2G31750.2.1	Ath_AT2G31750.2.1
GT1	382	AT2G31790.1.1	457	1.30E-45	81	372	87	436	0.761780105	Arabidopsis_thaliana	Plant	GT1_AT2G31790.1.1	Plant	Ath	Ath_AT2G31790.1.1	Ath_AT2G31790.1.1
GT48	739	AT2G31960.1.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT2G31960.1.1	Plant	Ath	Ath_AT2G31960.1.1	Ath_AT2G31960.1.1
GT48	739	AT2G31960.2.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT2G31960.2.1	Plant	Ath	Ath_AT2G31960.2.1	Ath_AT2G31960.2.1
GT48	739	AT2G31960.3.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT2G31960.3.1	Plant	Ath	Ath_AT2G31960.3.1	Ath_AT2G31960.3.1
GT48	739	AT2G31960.4.1	1909	0	2	728	1007	1760	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT2G31960.4.1	Plant	Ath	Ath_AT2G31960.4.1	Ath_AT2G31960.4.1
GT48	739	AT2G31960.5.1	1950	0	2	728	1048	1801	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT2G31960.5.1	Plant	Ath	Ath_AT2G31960.5.1	Ath_AT2G31960.5.1
GT47	296	AT2G31990.1.1	479	3.50E-65	3	296	73	419	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT2G31990.1.1	Plant	Ath	Ath_AT2G31990.1.1	Ath_AT2G31990.1.1
GT47	296	AT2G31990.2.1	525	4.70E-65	3	296	119	465	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT2G31990.2.1	Plant	Ath	Ath_AT2G31990.2.1	Ath_AT2G31990.2.1
GT47	296	AT2G31990.3.1	487	3.70E-65	3	296	81	427	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT2G31990.3.1	Plant	Ath	Ath_AT2G31990.3.1	Ath_AT2G31990.3.1
GH14	412	AT2G32290.1.1	577	6.20E-184	1	411	81	499	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT2G32290.1.1	Plant	Ath	Ath_AT2G32290.1.1	Ath_AT2G32290.1.1
GT31	192	AT2G32430.1.1	409	3.70E-54	1	191	154	350	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT2G32430.1.1	Plant	Ath	Ath_AT2G32430.1.1	Ath_AT2G32430.1.1
GT2_Cellulose_synt	722	AT2G32530.1.1	755	4.50E-83	1	293	95	375	0.404432133	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32530.1.1	Plant	Ath	Ath_AT2G32530.1.1	Ath_AT2G32530.1.1
GT2_Cellulose_synt	722	AT2G32530.1.1	755	2.10E-47	341	683	376	730	0.473684211	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32530.1.1	Plant	Ath	Ath_AT2G32530.1.1	Ath_AT2G32530.1.1
GT2_Cellulose_synt	722	AT2G32540.1.1	755	5.50E-80	1	292	95	374	0.403047091	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32540.1.1	Plant	Ath	Ath_AT2G32540.1.1	Ath_AT2G32540.1.1
GT2_Cellulose_synt	722	AT2G32540.1.1	755	4.80E-47	353	683	388	730	0.457063712	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32540.1.1	Plant	Ath	Ath_AT2G32540.1.1	Ath_AT2G32540.1.1
GT2_Cellulose_synt	722	AT2G32610.1.1	757	6.60E-80	1	297	95	380	0.409972299	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32610.1.1	Plant	Ath	Ath_AT2G32610.1.1	Ath_AT2G32610.1.1
GT2_Cellulose_synt	722	AT2G32610.1.1	757	3.90E-50	355	700	391	752	0.477839335	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G32610.1.1	Plant	Ath	Ath_AT2G32610.1.1	Ath_AT2G32610.1

GT47	296	AT2G32740.1.1	468	2.80E-64	2	295	66	412	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT2G32740.1.1	Plant	Ath	Ath_AT2G32740.1.1	Ath_AT2G32740.1.1
GT47	296	AT2G32750.1.1	509	1.80E-63	2	294	83	426	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT2G32750.1.1	Plant	Ath	Ath_AT2G32750.1.1	Ath_AT2G32750.1.1
GT47	296	AT2G32750.2.1	511	1.80E-63	2	294	85	428	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT2G32750.2.1	Plant	Ath	Ath_AT2G32750.2.1	Ath_AT2G32750.2.1
GH35	307	AT2G32810.1.1	887	2.00E-115	1	306	45	348	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G32810.1.1	Plant	Ath	Ath_AT2G32810.1.1	Ath_AT2G32810.1.1
GH35	307	AT2G32810.2.1	859	1.90E-115	1	306	45	348	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT2G32810.2.1	Plant	Ath	Ath_AT2G32810.2.1	Ath_AT2G32810.2.1
GH1	429	AT2G32860.1.1	613	4.40E-161	2	428	96	574	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT2G32860.1.1	Plant	Ath	Ath_AT2G32860.1.1	Ath_AT2G32860.1.1
GH1	429	AT2G32860.2.1	614	9.70E-161	2	428	96	575	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT2G32860.2.1	Plant	Ath	Ath_AT2G32860.2.1	Ath_AT2G32860.2.1
GH9	418	AT2G32990.1.1	525	2.10E-141	1	418	39	502	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT2G32990.1.1	Plant	Ath	Ath_AT2G32990.1.1	Ath_AT2G32990.1.1
GT2_Cellulose_synt	722	AT2G33100.1.1	1036	0	1	710	267	1025	0.98199446	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G33100.1.1	Plant	Ath	Ath_AT2G33100.1.1	Ath_AT2G33100.1.1
GT2_Cellulose_synt	722	AT2G33100.2.1	1036	0	1	710	267	1025	0.98199446	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT2G33100.2.1	Plant	Ath	Ath_AT2G33100.2.1	Ath_AT2G33100.2.1
GH28	325	AT2G33160.1.1	664	7.10E-85	5	323	57	392	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT2G33160.1.1	Plant	Ath	Ath_AT2G33160.1.1	Ath_AT2G33160.1.1
GT92	279	AT2G33570.1.1	496	2.30E-60	2	237	232	462	0.842293907	Arabidopsis_thaliana	Plant	GT92_AT2G33570.1.1	Plant	Ath	Ath_AT2G33570.1.1	Ath_AT2G33570.1.1
AA2	255	AT2G34060.1.1	346	5.00E-49	20	254	71	329	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT2G34060.1.1	Plant	Ath	Ath_AT2G34060.1.1	Ath_AT2G34060.1.1
CBM16	116	AT2G34510.2.1	315	0.0000063	1	112	125	267	0.956896552	Arabidopsis_thaliana	Plant	CBM16_AT2G34510.2.1	Plant	Ath	Ath_AT2G34510.2.1	Ath_AT2G34510.2.1
AA7	458	AT2G34790.1.1	532	1.60E-78	4	230	71	303	0.493449782	Arabidopsis_thaliana	Plant	AA7_AT2G34790.1.1	Plant	Ath	Ath_AT2G34790.1.1	Ath_AT2G34790.1.1
AA7	458	AT2G34810.1.1	540	1.70E-81	4	458	72	536	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT2G34810.1.1	Plant	Ath	Ath_AT2G34810.1.1	Ath_AT2G34810.1.1
GT47	296	AT2G35100.1.1	447	1.00E-74	4	296	59	371	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT2G35100.1.1	Plant	Ath	Ath_AT2G35100.1.1	Ath_AT2G35100.1.1
AA2	255	AT2G35380.1.1	255	8.30E-51	14	252	53	317	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT2G35380.1.1	Plant	Ath	Ath_AT2G35380.1.1	Ath_AT2G35380.1.1
AA2	255	AT2G35380.2.1	248	1.40E-38	55	252	3	229	0.77254902	Arabidopsis_thaliana	Plant	AA2_AT2G35380.2.1	Plant	Ath	Ath_AT2G35380.2.1	Ath_AT2G35380.2.1
GT77	216	AT2G35610.1.1	644	7.00E-64	2	216	159	383	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT2G35610.1.1	Plant	Ath	Ath_AT2G35610.1.1	Ath_AT2G35610.1.1
GT2	168	AT2G35650.1.1	556	2.50E-32	2	167	123	299	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT2G35650.1.1	Plant	Ath	Ath_AT2G35650.1.1	Ath_AT2G35650.1.1
GT2	168	AT2G35650.2.1	484	1.90E-32	2	167	51	227	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT2G35650.2.1	Plant	Ath	Ath_AT2G35650.2.1	Ath_AT2G35650.2.1
GT2	168	AT2G35650.3.1	398	6.00E-24	42	167	11	141	0.744047619	Arabidopsis_thaliana	Plant	GT2_AT2G35650.3.1	Plant	Ath	Ath_AT2G35650.3.1	Ath_AT2G35650.3.1
GT2	168	AT2G35650.4.1	484	1.90E-32	2	167	51	227	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT2G35650.4.1	Plant	Ath	Ath_AT2G35650.4.1	Ath_AT2G35650.4.1
GT8	257	AT2G35710.1.1	497	7.60E-26	37	254	76	296	0.844357977	Arabidopsis_thaliana	Plant	GT8_AT2G35710.1.1	Plant	Ath	Ath_AT2G35710.1.1	Ath_AT2G35710.1.1
GT8	257	AT2G35710.2.1	389	1.40E-19	89	254	15	188	0.642023346	Arabidopsis_thaliana	Plant	GT8_AT2G35710.2.1	Plant	Ath	Ath_AT2G35710.2.1	Ath_AT2G35710.2.1
GT8	257	AT2G35710.4.1	318	2.20E-26	37	254	76	296	0.844357977	Arabidopsis_thaliana	Plant	GT8_AT2G35710.4.1	Plant	Ath	Ath_AT2G35710.4.1	Ath_AT2G35710.4.1
GH32	293	AT2G36190.1.1	591	5.80E-85	1	293	54	372	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT2G36190.1.1	Plant	Ath	Ath_AT2G36190.1.1	Ath_AT2G36190.1.1
CE1	227	AT2G36290.1.1	364	0.0000013	94	194	143	278	0.440528634	Arabidopsis_thaliana	Plant	CE1_AT2G36290.1.1	Plant	Ath	Ath_AT2G36290.1.1	Ath_AT2G36290.1.1
CE1	227	AT2G36290.2.1	350	0.0000011	94	194	129	264	0.440528634	Arabidopsis_thaliana	Plant	CE1_AT2G36290.2.1	Plant	Ath	Ath_AT2G36290.2.1	Ath_AT2G36290.2.1
CE16	267	AT2G36325.1.1	356	1.10E-12	1	257	48	341	0.958801498	Arabidopsis_thaliana	Plant	CE16_AT2G36325.1.1	Plant	Ath	Ath_AT2G36325.1.1	Ath_AT2G36325.1.1
CBM48	76	AT2G36390.1.1	858	3.60E-10	3	61	205	281	0.763157895	Arabidopsis_thaliana	Plant	CBM48_AT2G36390.1.1	Plant	Ath	Ath_AT2G36390.1.1	Ath_AT2G36390.1.1
GH13	299	AT2G36390.1.1	858	8.10E-27	22	290	353	674	0.89632107	Arabidopsis_thaliana	Plant	GH13_AT2G36390.1.1	Plant	Ath	Ath_AT2G36390.1.1	Ath_AT2G36390.1.1
CE8	288	AT2G36700.1.1	333	4.50E-93	4	288	44	329	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G36700.1.1	Plant	Ath	Ath_AT2G36700.1.1	Ath_AT2G36700.1.1
CE8	288	AT2G36710.1.1	407	1.90E-96	3	288	92	381	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT2G36710.1.1	Plant	Ath	Ath_AT2G36710.1.1	Ath_AT2G36710.1.1
GT1	382	AT2G36750.1.1	491	1.30E-27	221	365	274	463	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT2G36750.1.1	Plant	Ath	Ath_AT2G36750.1.1	Ath_AT2G36750.1.1
GT1	382	AT2G36760.1.1	496	1.10E-29	199	365	277	468	0.434554974	Arabidopsis_thaliana	Plant	GT1_AT2G36760.1.1	Plant	Ath	Ath_AT2G36760.1.1	Ath_AT2G36760.1.1
GT1	382	AT2G36770.1.1	496	2.70E-27	192	365	276	468	0.452879581	Arabidopsis_thaliana	Plant	GT1_AT2G36770.1.1	Plant	Ath	Ath_AT2G36770.1.1	Ath_AT2G36770.1.1
GT1	382	AT2G36780.1.1	496	8.70E-30	221	365	279	468	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT2G36780.1.1	Plant	Ath	Ath_AT2G36780.1.1	Ath_AT2G36780.1.1
GT1	382	AT2G36790.1.1	495	4.40E-31	192	366	275	468	0.455497382	Arabidopsis_thaliana	Plant	GT1_AT2G36790.1.1	Plant	Ath	Ath_AT2G36790.1.1	Ath_AT2G36790.1.1
GT1	382	AT2G36800.1.1	495	1.20E-28	221	365	278	467	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT2G36800.1.1	Plant	Ath	Ath_AT2G36800.1.1	Ath_AT2G36800.1.1
GT48	739	AT2G36850.1.1	1904	0	2	727	1028	1759	0.98105548	Arabidopsis_thaliana	Plant	GT48_AT2G36850.1.1	Plant	Ath	Ath_AT2G36850.1.1	Ath_AT2G36850.1.1
GH16	189	AT2G36870.1.1	299	3.90E-18	31	185	55	225	0.814814815	Arabidopsis_thaliana	Plant	GH16_AT2G36870.1.1	Plant	Ath	Ath_AT2G36870.1.1	Ath_AT2G36870.1.1
GH16	189	AT2G36870.2.1	178	5.30E-13	31	146	55	177	0.608465609	Arabidopsis_thaliana	Plant	GH16_AT2G36870.2.1	Plant	Ath	Ath_AT2G36870.2.1	Ath_AT2G36870.2.1
GT1	382	AT2G36970.1.1	490	1.30E-28	199	367	274	452	0.439790576	Arabidopsis_thaliana	Plant	GT1_AT2G36970.1.1	Plant	Ath	Ath_AT2G36970.1.1	Ath_AT2G36970.1.1
GT43	212	AT2G37090.1.1	351	2.70E-72	1	210	137	342	0.985849057	Arabidopsis_thaliana	Plant	GT43_AT2G37090.1.1	Plant	Ath	Ath_AT2G37090.1.1	Ath_AT2G37090.1.1
AA2	255	AT2G37130.1.1	327	1.80E-40	9	251	47	308	0.949019608	Arabidopsis_thaliana	Plant	AA2_AT2G37130.1.1	Plant	Ath	Ath_AT2G37130.1.1	Ath_AT2G37130.1.1
AA2	255	AT2G37130.2.1	296	1.20E-40	9	251	16	277	0.949019608	Arabidopsis_thaliana	Plant	AA2_AT2G37130.2.1	Plant	Ath	Ath_AT2G37130.2.1	Ath_AT2G37130.2.1
GT14	250	AT2G37585.1.1	384	3.00E-86	1	238	59	302	0.948	Arabidopsis_thaliana	Plant	GT14_AT2G37585.1.1	Plant	Ath	Ath_AT2G37585.1.1	Ath_AT2G37585.1.1
GT31	192	AT2G37730.1.1	532	2.90E-10	74	161	183	258	0.453125	Arabidopsis_thaliana	Plant	GT31_AT2G37730.1.1	Plant	Ath	Ath_AT2G37730.1.1	Ath_AT2G37730.1.1
AA1	943	AT2G38080.1.1	558	1.20E-175	2	551	25	546	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT2G38080.1.1	Plant	Ath	Ath_AT2G38080.1.1	Ath_AT2G38080.1.1
GT32	90	AT2G38150.1.1	405	2.20E-13	37	88	194	251	0.566666667	Arabidopsis_thaliana	Plant	GT32_AT2G38150.1.1	Plant	Ath	Ath_AT2G38150.1.1	Ath_AT2G38150.1.1
GT32	90	AT2G38152.1.1	380	5.60E-17	2	89	115	230	0.966666667	Arabidopsis_thaliana	Plant	GT32_AT2G38152.1.1	Plant	Ath	Ath_AT2G38152.1.1	Ath_AT2G38152.1.1
CE12	210	AT2G38180.1.1	312	0.00000031	1	159	8	174	0.752380952	Arabidopsis_thaliana	Plant	CE12_AT2G38180.1.1	Plant	Ath	Ath_AT2G38180.1.1	Ath_AT2G38180.1.1
AA2	255	AT2G38380.1.1	349	2.30E-53	13	252	52	315	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT2G38380.1.1	Plant	Ath	Ath_AT2G38380.1.1	Ath_AT2G38380.1.1
AA2	255	AT2G38390.1.1	349	7.50E-55	4	252	43	315	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT2G38390.1.1	Plant	Ath	Ath_AT2G38390.1.1	Ath_AT2G38390.1.1
GT8	257	AT2G38650.1.1	619	8.90E-55	1	255	297	591	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G38650.1.1	Plant	Ath	Ath_AT2G38650.1.1	Ath_AT2G38650.1.1
GT8	257	AT2G38650.2.1	619	8.90E-55	1	255	297	591	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G38650.2.1	Plant	Ath	Ath_AT2G38650.2.1	Ath_AT2G38650.2.1
GT8	257	AT2G38650.3.1	535	2.20E-41	1	203	297	527	0.785992218	Arabidopsis_thaliana	Plant	GT8_AT2G38650.3.1	Plant	Ath	Ath_AT2G38650.3.1	Ath_AT2G38650.3.1
AA2	255	AT2G39040.1.1	350	1.50E-43	14	252	69	330	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT2G39040.1.1	Plant	Ath	Ath_AT2G39040.1.1	Ath_AT2G39040.1.1
CBM57	147	AT2G39360.1.1	815	7.10E-10	4	146	33	168	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT2G39360.1.1	Plant	Ath	Ath_AT2G39360.1.1	Ath_AT2G39360.1.1
CE1	227	AT2G39400.1.1	311	4.00E-11	13	143	22	177	0.572687225	Arabidopsis_thaliana	Plant	CE1_AT2G39400.1.1	Plant	Ath	Ath_AT2G39400.1.1	Ath_AT2G39400.1.1
CE1	227	AT2G39400.2.1	248	3.40E-11	13	143	22	167	0.572687225	Arabidopsis_thaliana	Plant	CE1_AT2G39400.2.1	Plant	Ath	Ath_AT2G39400.2.1	Ath_AT2G39400.2.1
CE1	227	AT2G39410.2.1	317	2.10E-09	13	175	28	238	0.713656388	Arabidopsis_thaliana	Plant	CE1_AT2G39410.2.1	Plant	Ath	Ath_AT2G39410.2.1	Ath_AT2G39410.2.1
CE1	227	AT2G39420.1.1	317	0.0000076	15	174	30	204	0.700440529	Arabidopsis_thaliana	Plant	CE1_AT2G39420.1.1	Plant	Ath	Ath_AT2G39420.1.1	Ath_AT2G39420.1.1
GT2	168	AT2G39630.1.1	336	2.20E-30	1	165	69	263	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT2G39630.1.1	Plant	Ath	Ath_AT2G39630.	

CBM48	76	AT2G39930.1.1	783	2.10E-11	2	74	76	176	0.947368421	Arabidopsis_thaliana	Plant	CBM48_AT2G39930.1.1	Plant	Ath	Ath_AT2G39930.1.1	Ath_AT2G39930.1.1
GH13	299	AT2G39930.1.1	783	1.00E-49	9	296	236	622	0.959866221	Arabidopsis_thaliana	Plant	GH13_AT2G39930.1.1	Plant	Ath	Ath_AT2G39930.1.1	Ath_AT2G39930.1.1
CBM48	76	AT2G39930.2.1	676	1.70E-11	2	74	76	176	0.947368421	Arabidopsis_thaliana	Plant	CBM48_AT2G39930.2.1	Plant	Ath	Ath_AT2G39930.2.1	Ath_AT2G39930.2.1
GH13	299	AT2G39930.2.1	676	7.10E-50	9	296	236	622	0.959866221	Arabidopsis_thaliana	Plant	GH13_AT2G39930.2.1	Plant	Ath	Ath_AT2G39930.2.1	Ath_AT2G39930.2.1
CBM48	76	AT2G39930.3.1	648	1.60E-11	2	74	76	176	0.947368421	Arabidopsis_thaliana	Plant	CBM48_AT2G39930.3.1	Plant	Ath	Ath_AT2G39930.3.1	Ath_AT2G39930.3.1
GH13	299	AT2G39930.3.1	648	4.10E-40	9	259	236	561	0.836120401	Arabidopsis_thaliana	Plant	GH13_AT2G39930.3.1	Plant	Ath	Ath_AT2G39930.3.1	Ath_AT2G39930.3.1
GT4	160	AT2G40190.1.1	463	5.10E-22	7	155	266	426	0.925	Arabidopsis_thaliana	Plant	GT4_AT2G40190.1.1	Plant	Ath	Ath_AT2G40190.1.1	Ath_AT2G40190.1.1
CE16	267	AT2G40250.1.1	361	6.40E-21	36	263	77	350	0.850187266	Arabidopsis_thaliana	Plant	CE16_AT2G40250.1.1	Plant	Ath	Ath_AT2G40250.1.1	Ath_AT2G40250.1.1
GH28	325	AT2G40310.1.1	404	4.00E-86	6	323	57	392	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT2G40310.1.1	Plant	Ath	Ath_AT2G40310.1.1	Ath_AT2G40310.1.1
AA1	943	AT2G40370.1.1	580	4.90E-180	2	550	27	567	0.581124072	Arabidopsis_thaliana	Plant	AA1_AT2G40370.1.1	Plant	Ath	Ath_AT2G40370.1.1	Ath_AT2G40370.1.1
GH4	179	AT2G40690.1.1	420	0.00029	1	83	89	169	0.458100559	Arabidopsis_thaliana	Plant	GH4_AT2G40690.1.1	Plant	Ath	Ath_AT2G40690.1.1	Ath_AT2G40690.1.1
GH4	179	AT2G40690.3.1	420	0.00029	1	83	89	169	0.458100559	Arabidopsis_thaliana	Plant	GH4_AT2G40690.3.1	Plant	Ath	Ath_AT2G40690.3.1	Ath_AT2G40690.3.1
CBM20	90	AT2G40840.1.1	955	2.60E-15	1	87	163	250	0.955555556	Arabidopsis_thaliana	Plant	CBM20_AT2G40840.1.1	Plant	Ath	Ath_AT2G40840.1.1	Ath_AT2G40840.1.1
CBM20	90	AT2G40840.1.1	955	1.10E-14	1	87	19	108	0.955555556	Arabidopsis_thaliana	Plant	CBM20_AT2G40840.1.1	Plant	Ath	Ath_AT2G40840.1.1	Ath_AT2G40840.1.1
GH77	494	AT2G40840.1.1	955	1.90E-153	1	490	275	923	0.989878543	Arabidopsis_thaliana	Plant	GH77_AT2G40840.1.1	Plant	Ath	Ath_AT2G40840.1.1	Ath_AT2G40840.1.1
AA2	255	AT2G41480.1.1	328	4.30E-53	14	253	52	311	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT2G41480.1.1	Plant	Ath	Ath_AT2G41480.1.1	Ath_AT2G41480.1.1
AA7	458	AT2G41510.1.1	575	8.20E-23	10	194	83	274	0.401746725	Arabidopsis_thaliana	Plant	AA7_AT2G41510.1.1	Plant	Ath	Ath_AT2G41510.1.1	Ath_AT2G41510.1.1
AA7	458	AT2G41510.2.1	637	1.00E-22	10	194	145	336	0.401746725	Arabidopsis_thaliana	Plant	AA7_AT2G41510.2.1	Plant	Ath	Ath_AT2G41510.2.1	Ath_AT2G41510.2.1
AA7	458	AT2G41510.3.1	440	4.50E-23	10	194	83	274	0.401746725	Arabidopsis_thaliana	Plant	AA7_AT2G41510.3.1	Plant	Ath	Ath_AT2G41510.3.1	Ath_AT2G41510.3.1
CE1	227	AT2G41530.1.1	284	4.50E-51	1	226	25	281	0.991189427	Arabidopsis_thaliana	Plant	CE1_AT2G41530.1.1	Plant	Ath	Ath_AT2G41530.1.1	Ath_AT2G41530.1.1
GT61	242	AT2G41640.1.1	500	2.10E-96	2	241	101	352	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT2G41640.1.1	Plant	Ath	Ath_AT2G41640.1.1	Ath_AT2G41640.1.1
GT61	242	AT2G41640.2.1	492	2.00E-96	2	241	101	352	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT2G41640.2.1	Plant	Ath	Ath_AT2G41640.2.1	Ath_AT2G41640.2.1
GT61	242	AT2G41640.3.1	407	1.20E-96	2	241	8	259	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT2G41640.3.1	Plant	Ath	Ath_AT2G41640.3.1	Ath_AT2G41640.3.1
GT75	343	AT2G41770.1.1	771	0.000000093	61	253	173	378	0.559766764	Arabidopsis_thaliana	Plant	GT75_AT2G41770.1.1	Plant	Ath	Ath_AT2G41770.1.1	Ath_AT2G41770.1.1
GH28	325	AT2G41850.1.1	433	4.10E-95	4	318	91	416	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT2G41850.1.1	Plant	Ath	Ath_AT2G41850.1.1	Ath_AT2G41850.1.1
CBM43	83	AT2G42930.1.1	134	4.10E-24	1	80	40	118	0.951807229	Arabidopsis_thaliana	Plant	CBM43_AT2G42930.1.1	Plant	Ath	Ath_AT2G42930.1.1	Ath_AT2G42930.1.1
CE16	267	AT2G42990.1.1	350	4.00E-15	59	265	107	340	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT2G42990.1.1	Plant	Ath	Ath_AT2G42990.1.1	Ath_AT2G42990.1.1
CE8	288	AT2G43050.1.1	518	8.60E-107	2	288	214	501	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT2G43050.1.1	Plant	Ath	Ath_AT2G43050.1.1	Ath_AT2G43050.1.1
AA2	255	AT2G43480.1.1	335	1.30E-44	14	252	60	317	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT2G43480.1.1	Plant	Ath	Ath_AT2G43480.1.1	Ath_AT2G43480.1.1
CBM18	38	AT2G43570.1.1	277	7.00E-11	6	38	31	64	0.842105263	Arabidopsis_thaliana	Plant	CBM18_AT2G43570.1.1	Plant	Ath	Ath_AT2G43570.1.1	Ath_AT2G43570.1.1
GH19	231	AT2G43570.1.1	277	9.50E-66	6	231	78	277	0.974025974	Arabidopsis_thaliana	Plant	GH19_AT2G43570.1.1	Plant	Ath	Ath_AT2G43570.1.1	Ath_AT2G43570.1.1
CBM18	38	AT2G43580.1.1	265	1.80E-12	6	38	24	57	0.842105263	Arabidopsis_thaliana	Plant	CBM18_AT2G43580.1.1	Plant	Ath	Ath_AT2G43580.1.1	Ath_AT2G43580.1.1
GH19	231	AT2G43580.1.1	265	1.00E-64	5	231	69	265	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT2G43580.1.1	Plant	Ath	Ath_AT2G43580.1.1	Ath_AT2G43580.1.1
CBM18	38	AT2G43590.1.1	264	5.60E-11	6	38	24	57	0.842105263	Arabidopsis_thaliana	Plant	CBM18_AT2G43590.1.1	Plant	Ath	Ath_AT2G43590.1.1	Ath_AT2G43590.1.1
GH19	231	AT2G43590.1.1	264	7.20E-74	5	231	68	264	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT2G43590.1.1	Plant	Ath	Ath_AT2G43590.1.1	Ath_AT2G43590.1.1
CBM18	38	AT2G43600.1.1	273	0.000000031	8	38	27	59	0.789473684	Arabidopsis_thaliana	Plant	CBM18_AT2G43600.1.1	Plant	Ath	Ath_AT2G43600.1.1	Ath_AT2G43600.1.1
GH19	231	AT2G43600.1.1	273	1.90E-51	4	231	79	273	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT2G43600.1.1	Plant	Ath	Ath_AT2G43600.1.1	Ath_AT2G43600.1.1
CBM18	38	AT2G43600.2.1	294	0.000000035	8	38	48	80	0.789473684	Arabidopsis_thaliana	Plant	CBM18_AT2G43600.2.1	Plant	Ath	Ath_AT2G43600.2.1	Ath_AT2G43600.2.1
GH19	231	AT2G43600.2.1	294	2.40E-51	4	231	100	294	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT2G43600.2.1	Plant	Ath	Ath_AT2G43600.2.1	Ath_AT2G43600.2.1
CBM18	38	AT2G43610.1.1	281	8.40E-12	6	38	31	64	0.842105263	Arabidopsis_thaliana	Plant	CBM18_AT2G43610.1.1	Plant	Ath	Ath_AT2G43610.1.1	Ath_AT2G43610.1.1
GH19	231	AT2G43610.1.1	281	3.70E-67	5	231	88	281	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT2G43610.1.1	Plant	Ath	Ath_AT2G43610.1.1	Ath_AT2G43610.1.1
CBM18	38	AT2G43620.1.1	283	6.60E-11	5	38	30	64	0.868421053	Arabidopsis_thaliana	Plant	CBM18_AT2G43620.1.1	Plant	Ath	Ath_AT2G43620.1.1	Ath_AT2G43620.1.1
GH19	231	AT2G43620.1.1	283	8.70E-67	5	231	90	283	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT2G43620.1.1	Plant	Ath	Ath_AT2G43620.1.1	Ath_AT2G43620.1.1
CBM43	83	AT2G43660.1.1	122	4.10E-24	1	82	34	116	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT2G43660.1.1	Plant	Ath	Ath_AT2G43660.1.1	Ath_AT2G43660.1.1
CBM43	83	AT2G43660.2.1	123	4.20E-24	1	82	35	117	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT2G43660.2.1	Plant	Ath	Ath_AT2G43660.2.1	Ath_AT2G43660.2.1
CBM43	83	AT2G43670.1.1	121	2.70E-28	1	82	35	115	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT2G43670.1.1	Plant	Ath	Ath_AT2G43670.1.1	Ath_AT2G43670.1.1
GT1	382	AT2G43820.1.1	449	1.60E-36	221	368	255	422	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT2G43820.1.1	Plant	Ath	Ath_AT2G43820.1.1	Ath_AT2G43820.1.1
GT1	382	AT2G43840.1.1	449	5.10E-35	221	364	255	418	0.37434555	Arabidopsis_thaliana	Plant	GT1_AT2G43840.1.1	Plant	Ath	Ath_AT2G43840.1.1	Ath_AT2G43840.1.1
GT1	382	AT2G43840.2.1	449	5.80E-35	221	364	255	418	0.37434555	Arabidopsis_thaliana	Plant	GT1_AT2G43840.2.1	Plant	Ath	Ath_AT2G43840.2.1	Ath_AT2G43840.2.1
GH28	325	AT2G43860.1.1	405	1.80E-96	5	323	57	387	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT2G43860.1.1	Plant	Ath	Ath_AT2G43860.1.1	Ath_AT2G43860.1.1
GH28	325	AT2G43870.1.1	384	6.50E-99	5	320	45	371	0.969230769	Arabidopsis_thaliana	Plant	GH28_AT2G43870.1.1	Plant	Ath	Ath_AT2G43870.1.1	Ath_AT2G43870.1.1
GH28	325	AT2G43880.1.1	394	8.70E-96	5	323	55	383	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT2G43880.1.1	Plant	Ath	Ath_AT2G43880.1.1	Ath_AT2G43880.1.1
GH28	325	AT2G43880.2.1	330	1.10E-79	5	264	55	322	0.796923077	Arabidopsis_thaliana	Plant	GH28_AT2G43880.2.1	Plant	Ath	Ath_AT2G43880.2.1	Ath_AT2G43880.2.1
GH28	325	AT2G43890.1.1	392	3.30E-92	4	322	52	380	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT2G43890.1.1	Plant	Ath	Ath_AT2G43890.1.1	Ath_AT2G43890.1.1
GH1	429	AT2G44450.1.1	506	2.10E-172	2	428	33	504	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT2G44450.1.1	Plant	Ath	Ath_AT2G44450.1.1	Ath_AT2G44450.1.1
GH1	429	AT2G44450.2.1	355	5.50E-112	118	428	1	353	0.722610723	Arabidopsis_thaliana	Plant	GH1_AT2G44450.2.1	Plant	Ath	Ath_AT2G44450.2.1	Ath_AT2G44450.2.1
GH1	429	AT2G44460.1.1	582	6.50E-172	3	425	32	505	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT2G44460.1.1	Plant	Ath	Ath_AT2G44460.1.1	Ath_AT2G44460.1.1
GH1	429	AT2G44460.2.1	436	3.10E-117	116	425	1	359	0.72027972	Arabidopsis_thaliana	Plant	GH1_AT2G44460.2.1	Plant	Ath	Ath_AT2G44460.2.1	Ath_AT2G44460.2.1
GH1	429	AT2G44470.1.1	451	4.80E-137	2	371	31	450	0.86013986	Arabidopsis_thaliana	Plant	GH1_AT2G44470.1.1	Plant	Ath	Ath_AT2G44470.1.1	Ath_AT2G44470.1.1
GH1	429	AT2G44470.2.1	397	3.50E-118	2	298	31	356	0.68997669	Arabidopsis_thaliana	Plant	GH1_AT2G44470.2.1	Plant	Ath	Ath_AT2G44470.2.1	Ath_AT2G44470.2.1
GH1	429	AT2G44470.3.1	590	1.60E-166	2	425	31	506	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT2G44470.3.1	Plant	Ath	Ath_AT2G44470.3.1	Ath_AT2G44470.3.1
GH1	429	AT2G44480.1.1	517	2.20E-170	2	426	37	510	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT2G44480.1.1	Plant	Ath	Ath_AT2G44480.1.1	Ath_AT2G44480.1.1
GH1	429	AT2G44480.2.1	415	8.10E-140	67	426	1	408	0.836829837	Arabidopsis_thaliana	Plant	GH1_AT2G44480.2.1	Plant	Ath	Ath_AT2G44480.2.1	Ath_AT2G44480.2.1
GH1	429	AT2G44480.3.1	548	2.80E-170	2	426	68	541	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT2G44480.3.1	Plant	Ath	Ath_AT2G44480.3.1	Ath_AT2G44480.3.1
GH1	429	AT2G44480.4.1	394	5.80E-116	2	286	68	373	0.662004662	Arabidopsis_thaliana	Plant	GH1_AT2G44480.4.1	Plant	Ath	Ath_AT2G44480.4.1	Ath_AT2G44480.4.1
GH1	429	AT2G44480.5.1	311	2.30E-81	169	426	1	304	0.599067599	Arabidopsis_thaliana	Plant	GH1_AT2G44480.5.1	Plant	Ath	Ath_AT2G4	

GH9	418	AT2G444570.2.1	408	3.60E-100	1	336	33	389	0.801435407	Arabidopsis_thaliana	Plant	GH9_AT2G444570.2.1	Plant	Ath	Ath_AT2G444570.2.1	Ath_AT2G444570.2.1
GT57	481	AT2G444660.1.1	506	6.50E-171	2	480	19	500	0.993762994	Arabidopsis_thaliana	Plant	GT57_AT2G444660.1.1	Plant	Ath	Ath_AT2G444660.1.1	Ath_AT2G444660.1.1
CE8	288	AT2G45220.1.1	511	2.30E-113	2	287	207	496	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT2G45220.1.1	Plant	Ath	Ath_AT2G45220.1.1	Ath_AT2G45220.1.1
CE10	341	AT2G45600.1.1	329	4.60E-57	62	318	32	304	0.750733138	Arabidopsis_thaliana	Plant	CE10_AT2G45600.1.1	Plant	Ath	Ath_AT2G45600.1.1	Ath_AT2G45600.1.1
CE10	341	AT2G45610.1.1	324	2.60E-47	69	332	48	322	0.771260997	Arabidopsis_thaliana	Plant	CE10_AT2G45610.1.1	Plant	Ath	Ath_AT2G45610.1.1	Ath_AT2G45610.1.1
GT90	250	AT2G45830.1.1	523	1.40E-75	1	250	191	439	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.1.1	Plant	Ath	Ath_AT2G45830.1.1	Ath_AT2G45830.1.1
GT90	250	AT2G45830.2.1	382	5.90E-76	1	250	50	298	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.2.1	Plant	Ath	Ath_AT2G45830.2.1	Ath_AT2G45830.2.1
GT90	250	AT2G45830.3.1	382	5.90E-76	1	250	50	298	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.3.1	Plant	Ath	Ath_AT2G45830.3.1	Ath_AT2G45830.3.1
GT90	250	AT2G45830.4.1	523	1.40E-75	1	250	191	439	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.4.1	Plant	Ath	Ath_AT2G45830.4.1	Ath_AT2G45830.4.1
GT90	250	AT2G45830.5.1	382	5.90E-76	1	250	50	298	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.5.1	Plant	Ath	Ath_AT2G45830.5.1	Ath_AT2G45830.5.1
GT90	250	AT2G45830.6.1	382	5.90E-76	1	250	50	298	0.996	Arabidopsis_thaliana	Plant	GT90_AT2G45830.6.1	Plant	Ath	Ath_AT2G45830.6.1	Ath_AT2G45830.6.1
GT90	250	AT2G45840.1.1	523	9.50E-71	1	249	191	437	0.992	Arabidopsis_thaliana	Plant	GT90_AT2G45840.1.1	Plant	Ath	Ath_AT2G45840.1.1	Ath_AT2G45840.1.1
GH14	412	AT2G45880.1.1	691	3.00E-160	1	411	251	668	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT2G45880.1.1	Plant	Ath	Ath_AT2G45880.1.1	Ath_AT2G45880.1.1
GT8	257	AT2G46480.1.1	528	1.70E-52	1	255	211	500	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G46480.1.1	Plant	Ath	Ath_AT2G46480.1.1	Ath_AT2G46480.1.1
GT8	257	AT2G46480.2.1	515	1.60E-52	1	255	198	487	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G46480.2.1	Plant	Ath	Ath_AT2G46480.2.1	Ath_AT2G46480.2.1
GT8	257	AT2G46480.3.1	540	3.10E-58	1	255	198	512	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G46480.3.1	Plant	Ath	Ath_AT2G46480.3.1	Ath_AT2G46480.3.1
GT8	257	AT2G46480.4.1	553	3.40E-58	1	255	211	525	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT2G46480.4.1	Plant	Ath	Ath_AT2G46480.4.1	Ath_AT2G46480.4.1
AA1	943	AT2G46570.1.1	569	4.10E-132	1	554	29	561	0.586426299	Arabidopsis_thaliana	Plant	AA1_AT2G46570.1.1	Plant	Ath	Ath_AT2G46570.1.1	Ath_AT2G46570.1.1
AA1	943	AT2G46570.2.1	484	1.70E-108	60	554	3	476	0.523860021	Arabidopsis_thaliana	Plant	AA1_AT2G46570.2.1	Plant	Ath	Ath_AT2G46570.2.1	Ath_AT2G46570.2.1
AA7	458	AT2G46740.1.1	590	8.70E-12	14	183	63	243	0.368995633	Arabidopsis_thaliana	Plant	AA7_AT2G46740.1.1	Plant	Ath	Ath_AT2G46740.1.1	Ath_AT2G46740.1.1
AA7	458	AT2G46750.1.1	591	5.10E-11	14	192	59	248	0.388646288	Arabidopsis_thaliana	Plant	AA7_AT2G46750.1.1	Plant	Ath	Ath_AT2G46750.1.1	Ath_AT2G46750.1.1
CE13	355	AT2G46930.1.1	416	4.30E-161	4	354	51	398	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT2G46930.1.1	Plant	Ath	Ath_AT2G46930.1.1	Ath_AT2G46930.1.1
CE8	288	AT2G47030.1.1	588	2.70E-104	2	286	277	571	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G47030.1.1	Plant	Ath	Ath_AT2G47030.1.1	Ath_AT2G47030.1.1
CE8	288	AT2G47040.1.1	595	1.40E-103	2	286	284	578	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G47040.1.1	Plant	Ath	Ath_AT2G47040.1.1	Ath_AT2G47040.1.1
GT8	257	AT2G47180.1.1	344	3.30E-52	10	256	12	277	0.957198444	Arabidopsis_thaliana	Plant	GT8_AT2G47180.1.1	Plant	Ath	Ath_AT2G47180.1.1	Ath_AT2G47180.1.1
CE8	288	AT2G47280.1.1	336	1.80E-84	2	287	35	322	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT2G47280.1.1	Plant	Ath	Ath_AT2G47280.1.1	Ath_AT2G47280.1.1
CE1	227	AT2G47390.1.1	961	7.90E-16	8	211	666	893	0.894273128	Arabidopsis_thaliana	Plant	CE1_AT2G47390.1.1	Plant	Ath	Ath_AT2G47390.1.1	Ath_AT2G47390.1.1
CE8	288	AT2G47550.1.1	560	2.10E-107	2	286	246	541	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT2G47550.1.1	Plant	Ath	Ath_AT2G47550.1.1	Ath_AT2G47550.1.1
CE10	341	AT2G47630.1.1	351	0.00000055	84	316	25	276	0.680351906	Arabidopsis_thaliana	Plant	CE10_AT2G47630.1.1	Plant	Ath	Ath_AT2G47630.1.1	Ath_AT2G47630.1.1
CE10	341	AT2G47630.2.1	306	0.0000027	120	316	13	231	0.574780059	Arabidopsis_thaliana	Plant	CE10_AT2G47630.2.1	Plant	Ath	Ath_AT2G47630.2.1	Ath_AT2G47630.2.1
CE10	341	AT2G47630.3.1	326	0.0000005	120	316	33	251	0.574780059	Arabidopsis_thaliana	Plant	CE10_AT2G47630.3.1	Plant	Ath	Ath_AT2G47630.3.1	Ath_AT2G47630.3.1
GT58	364	AT2G47760.1.1	415	3.30E-144	2	364	37	401	0.994505495	Arabidopsis_thaliana	Plant	GT58_AT2G47760.1.1	Plant	Ath	Ath_AT2G47760.1.1	Ath_AT2G47760.1.1
GT58	364	AT2G47760.2.1	437	4.40E-145	2	364	37	400	0.994505495	Arabidopsis_thaliana	Plant	GT58_AT2G47760.2.1	Plant	Ath	Ath_AT2G47760.2.1	Ath_AT2G47760.2.1
GT58	364	AT2G47760.3.1	380	2.90E-134	2	342	37	379	0.934065934	Arabidopsis_thaliana	Plant	GT58_AT2G47760.3.1	Plant	Ath	Ath_AT2G47760.3.1	Ath_AT2G47760.3.1
GT58	364	AT2G47760.4.1	412	3.20E-144	2	364	37	401	0.994505495	Arabidopsis_thaliana	Plant	GT58_AT2G47760.4.1	Plant	Ath	Ath_AT2G47760.4.1	Ath_AT2G47760.4.1
GT58	364	AT2G47760.5.1	438	4.00E-144	2	364	37	401	0.994505495	Arabidopsis_thaliana	Plant	GT58_AT2G47760.5.1	Plant	Ath	Ath_AT2G47760.5.1	Ath_AT2G47760.5.1
GT8	257	AT3G01040.1.1	499	1.30E-63	1	255	173	471	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT3G01040.1.1	Plant	Ath	Ath_AT3G01040.1.1	Ath_AT3G01040.1.1
GT8	257	AT3G01040.2.1	532	1.80E-63	1	255	173	504	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT3G01040.2.1	Plant	Ath	Ath_AT3G01040.2.1	Ath_AT3G01040.2.1
GT8	257	AT3G01040.3.1	532	1.80E-63	1	255	173	504	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT3G01040.3.1	Plant	Ath	Ath_AT3G01040.3.1	Ath_AT3G01040.3.1
GT5	472	AT3G01180.1.1	792	3.10E-164	1	470	302	785	0.993644068	Arabidopsis_thaliana	Plant	GT5_AT3G01180.1.1	Plant	Ath	Ath_AT3G01180.1.1	Ath_AT3G01180.1.1
AA2	255	AT3G01190.1.1	321	4.90E-49	7	253	41	304	0.964705882	Arabidopsis_thaliana	Plant	AA2_AT3G01190.1.1	Plant	Ath	Ath_AT3G01190.1.1	Ath_AT3G01190.1.1
PL1	202	AT3G01270.1.1	475	4.00E-55	11	200	186	392	0.935643564	Arabidopsis_thaliana	Plant	PL1_AT3G01270.1.1	Plant	Ath	Ath_AT3G01270.1.1	Ath_AT3G01270.1.1
CBM48	76	AT3G01510.1.1	591	0.00019	11	60	457	515	0.644736842	Arabidopsis_thaliana	Plant	CBM48_AT3G01510.1.1	Plant	Ath	Ath_AT3G01510.1.1	Ath_AT3G01510.1.1
CBM48	76	AT3G01510.2.1	449	0.00012	11	60	315	373	0.644736842	Arabidopsis_thaliana	Plant	CBM48_AT3G01510.2.1	Plant	Ath	Ath_AT3G01510.2.1	Ath_AT3G01510.2.1
CBM48	76	AT3G01510.3.1	449	0.00012	11	60	315	373	0.644736842	Arabidopsis_thaliana	Plant	CBM48_AT3G01510.3.1	Plant	Ath	Ath_AT3G01510.3.1	Ath_AT3G01510.3.1
GT17	284	AT3G01620.1.1	388	1.00E-120	2	284	93	380	0.992957747	Arabidopsis_thaliana	Plant	GT17_AT3G01620.1.1	Plant	Ath	Ath_AT3G01620.1.1	Ath_AT3G01620.1.1
GT96	307	AT3G01720.1.1	802	4.30E-151	1	307	394	692	0.996742671	Arabidopsis_thaliana	Plant	GT96_AT3G01720.1.1	Plant	Ath	Ath_AT3G01720.1.1	Ath_AT3G01720.1.1
GT96	307	AT3G01720.1.1	802	5.20E-148	1	307	30	332	0.996742671	Arabidopsis_thaliana	Plant	GT96_AT3G01720.1.1	Plant	Ath	Ath_AT3G01720.1.1	Ath_AT3G01720.1.1
GT1	382	AT3G02100.1.1	464	5.00E-33	213	365	273	439	0.397905759	Arabidopsis_thaliana	Plant	GT1_AT3G02100.1.1	Plant	Ath	Ath_AT3G02100.1.1	Ath_AT3G02100.1.1
GT75	343	AT3G02230.1.1	357	1.20E-182	2	343	18	353	0.994169096	Arabidopsis_thaliana	Plant	GT75_AT3G02230.1.1	Plant	Ath	Ath_AT3G02230.1.1	Ath_AT3G02230.1.1
GT8	257	AT3G02350.1.1	561	1.20E-58	1	256	219	534	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT3G02350.1.1	Plant	Ath	Ath_AT3G02350.1.1	Ath_AT3G02350.1.1
CE10	341	AT3G02410.1.1	422	2.10E-43	68	333	124	387	0.7771261	Arabidopsis_thaliana	Plant	CE10_AT3G02410.1.1	Plant	Ath	Ath_AT3G02410.1.1	Ath_AT3G02410.1.1
CE10	341	AT3G02410.2.1	353	1.20E-43	68	333	55	318	0.7771261	Arabidopsis_thaliana	Plant	CE10_AT3G02410.2.1	Plant	Ath	Ath_AT3G02410.2.1	Ath_AT3G02410.2.1
CE10	341	AT3G02410.3.1	398	4.80E-43	68	310	124	367	0.709677419	Arabidopsis_thaliana	Plant	CE10_AT3G02410.3.1	Plant	Ath	Ath_AT3G02410.3.1	Ath_AT3G02410.3.1
GT2_Cellulose_synt	722	AT3G03050.1.1	1145	0	1	713	378	1135	0.986149585	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT3G03050.1.1	Plant	Ath	Ath_AT3G03050.1.1	Ath_AT3G03050.1.1
GH1	429	AT3G03640.1.1	531	3.60E-152	3	426	37	514	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT3G03640.1.1	Plant	Ath	Ath_AT3G03640.1.1	Ath_AT3G03640.1.1
GT47	296	AT3G03650.1.1	499	5.70E-87	3	296	119	437	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G03650.1.1	Plant	Ath	Ath_AT3G03650.1.1	Ath_AT3G03650.1.1
AA2	255	AT3G03670.1.1	321	2.50E-49	14	253	46	304	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT3G03670.1.1	Plant	Ath	Ath_AT3G03670.1.1	Ath_AT3G03670.1.1
GT14	250	AT3G03690.1.1	378	5.90E-91	1	248	54	308	0.988	Arabidopsis_thaliana	Plant	GT14_AT3G03690.1.1	Plant	Ath	Ath_AT3G03690.1.1	Ath_AT3G03690.1.1
GT14	250	AT3G03690.2.1	208	8.50E-47	1	130	54	190	0.516	Arabidopsis_thaliana	Plant	GT14_AT3G03690.2.1	Plant	Ath	Ath_AT3G03690.2.1	Ath_AT3G03690.2.1
CBM43	83	AT3G04010.1.1	491	1.10E-23	1	83	374	456	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G04010.1.1	Plant	Ath	Ath_AT3G04010.1.1	Ath_AT3G04010.1.1
GH17	311	AT3G04010.1.1	491	1.20E-99	1	311	33	352	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT3G04010.1.1	Plant	Ath	Ath_AT3G04010.1.1	Ath_AT3G04010.1.1
GT41	705	AT3G04240.1.1	977	4.60E-94	401	703	457	745	0.428368794	Arabidopsis_thaliana	Plant	GT41_AT3G04240.1.1	Plant	Ath	Ath_AT3G04240.1.1	Ath_AT3G04240.1.1
GT41	705	AT3G04240.2.1	744	8.20E-94	402	703	225	512	0.426950355	Arabidopsis_thaliana	Plant	GT41_AT3G04240.2.1	Plant	Ath	Ath_AT3G04240.2.1	Ath_AT3G04240.2.1
CE16	267	AT3G04290.1.1	366	4.50E-17	2	266	31	342	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT3G04290.1.1	Plant	Ath	Ath_AT3G04290.1.1	Ath_AT3G04290.1.1
CBM57	147	AT3G04690.1.1	850	3.70E-10	3	137	30	168	0.911							

GT65	340	AT3G05320.2.1	445	7.10E-84	9	337	78	388	0.964705882	Arabidopsis_thaliana	Plant	GT65_AT3G05320.2.1	Plant	Ath	Ath_AT3G05320.2.1	Ath_AT3G05320.2.1
GT65	340	AT3G05320.3.1	445	7.10E-84	9	337	78	388	0.964705882	Arabidopsis_thaliana	Plant	GT65_AT3G05320.3.1	Plant	Ath	Ath_AT3G05320.3.1	Ath_AT3G05320.3.1
CE8	288	AT3G05610.1.1	669	3.10E-109	1	288	255	550	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT3G05610.1.1	Plant	Ath	Ath_AT3G05610.1.1	Ath_AT3G05610.1.1
CE8	AT3G05620.1.1	543	8.40E-113	2	288	241	526	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G05620.1.1	Plant	Ath	Ath_AT3G05620.1.1	Ath_AT3G05620.1.1	
GH100	458	AT3G05820.1.1	509	4.40E-177	3	360	145	509	0.779475983	Arabidopsis_thaliana	Plant	GH100_AT3G05820.1.1	Plant	Ath	Ath_AT3G05820.1.1	Ath_AT3G05820.1.1
GH100	458	AT3G05820.2.1	633	1.50E-225	3	457	145	604	0.991266376	Arabidopsis_thaliana	Plant	GH100_AT3G05820.2.1	Plant	Ath	Ath_AT3G05820.2.1	Ath_AT3G05820.2.1
CE13	355	AT3G05910.1.1	415	4.70E-162	4	354	51	397	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT3G05910.1.1	Plant	Ath	Ath_AT3G05910.1.1	Ath_AT3G05910.1.1
CE13	355	AT3G05910.2.1	311	8.00E-118	4	262	51	305	0.726760563	Arabidopsis_thaliana	Plant	CE13_AT3G05910.2.1	Plant	Ath	Ath_AT3G05910.2.1	Ath_AT3G05910.2.1
GT8	257	AT3G06260.1.1	351	4.40E-48	25	255	61	323	0.894941634	Arabidopsis_thaliana	Plant	GT8_AT3G06260.1.1	Plant	Ath	Ath_AT3G06260.1.1	Ath_AT3G06260.1.1
GT31	192	AT3G06440.1.1	619	4.30E-60	1	188	385	570	0.973958333	Arabidopsis_thaliana	Plant	GT31_AT3G06440.1.1	Plant	Ath	Ath_AT3G06440.1.1	Ath_AT3G06440.1.1
GT31	192	AT3G06440.2.1	590	3.90E-60	1	188	356	541	0.973958333	Arabidopsis_thaliana	Plant	GT31_AT3G06440.2.1	Plant	Ath	Ath_AT3G06440.2.1	Ath_AT3G06440.2.1
GH100	458	AT3G06500.1.1	664	2.80E-228	2	457	176	636	0.993449782	Arabidopsis_thaliana	Plant	GH100_AT3G06500.1.1	Plant	Ath	Ath_AT3G06500.1.1	Ath_AT3G06500.1.1
GH100	458	AT3G06500.2.1	465	2.70E-196	72	457	47	437	0.840611354	Arabidopsis_thaliana	Plant	GH100_AT3G06500.2.1	Plant	Ath	Ath_AT3G06500.2.1	Ath_AT3G06500.2.1
GH1	429	AT3G06510.1.1	622	2.00E-82	43	426	129	511	0.892773893	Arabidopsis_thaliana	Plant	GH1_AT3G06510.1.1	Plant	Ath	Ath_AT3G06510.1.1	Ath_AT3G06510.1.1
GH1	429	AT3G06510.2.1	656	3.90E-81	43	426	129	545	0.892773893	Arabidopsis_thaliana	Plant	GH1_AT3G06510.2.1	Plant	Ath	Ath_AT3G06510.2.1	Ath_AT3G06510.2.1
GH28	325	AT3G06770.1.1	377	4.00E-66	11	321	6	351	0.953846154	Arabidopsis_thaliana	Plant	GH28_AT3G06770.1.1	Plant	Ath	Ath_AT3G06770.1.1	Ath_AT3G06770.1.1
GH28	325	AT3G06770.2.1	446	4.60E-66	10	321	74	420	0.956923077	Arabidopsis_thaliana	Plant	GH28_AT3G06770.2.1	Plant	Ath	Ath_AT3G06770.2.1	Ath_AT3G06770.2.1
GH28	325	AT3G06770.3.1	377	4.00E-66	11	321	6	351	0.953846154	Arabidopsis_thaliana	Plant	GH28_AT3G06770.3.1	Plant	Ath	Ath_AT3G06770.3.1	Ath_AT3G06770.3.1
GH28	325	AT3G06770.4.1	359	1.70E-61	58	321	44	333	0.809230769	Arabidopsis_thaliana	Plant	GH28_AT3G06770.4.1	Plant	Ath	Ath_AT3G06770.4.1	Ath_AT3G06770.4.1
GH28	325	AT3G06770.5.1	447	4.70E-66	10	321	75	421	0.956923077	Arabidopsis_thaliana	Plant	GH28_AT3G06770.5.1	Plant	Ath	Ath_AT3G06770.5.1	Ath_AT3G06770.5.1
CE8	288	AT3G06830.1.1	568	2.60E-108	2	287	258	552	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G06830.1.1	Plant	Ath	Ath_AT3G06830.1.1	Ath_AT3G06830.1.1
PL1	202	AT3G07010.1.1	416	6.00E-61	12	200	130	335	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT3G07010.1.1	Plant	Ath	Ath_AT3G07010.1.1	Ath_AT3G07010.1.1
PL1	202	AT3G07010.2.1	383	4.90E-61	12	200	97	302	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT3G07010.2.1	Plant	Ath	Ath_AT3G07010.2.1	Ath_AT3G07010.2.1
GT1	382	AT3G07020.1.1	637	2.00E-57	4	378	200	607	0.979057592	Arabidopsis_thaliana	Plant	GT1_AT3G07020.1.1	Plant	Ath	Ath_AT3G07020.1.1	Ath_AT3G07020.1.1
GT1	382	AT3G07020.2.1	637	2.00E-57	4	378	200	607	0.979057592	Arabidopsis_thaliana	Plant	GT1_AT3G07020.2.1	Plant	Ath	Ath_AT3G07020.2.1	Ath_AT3G07020.2.1
GT1	382	AT3G07020.3.1	555	1.30E-57	4	378	118	525	0.979057592	Arabidopsis_thaliana	Plant	GT1_AT3G07020.3.1	Plant	Ath	Ath_AT3G07020.3.1	Ath_AT3G07020.3.1
GT48	739	AT3G07160.1.1	1890	0	2	728	1023	1746	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT3G07160.1.1	Plant	Ath	Ath_AT3G07160.1.1	Ath_AT3G07160.1.1
GT48	739	AT3G07160.2.1	1892	0	2	728	1025	1748	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT3G07160.2.1	Plant	Ath	Ath_AT3G07160.2.1	Ath_AT3G07160.2.1
GT48	739	AT3G07160.3.1	1892	0	2	728	1025	1748	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT3G07160.3.1	Plant	Ath	Ath_AT3G07160.3.1	Ath_AT3G07160.3.1
CBM43	83	AT3G07320.1.1	460	6.20E-26	1	83	371	454	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G07320.1.1	Plant	Ath	Ath_AT3G07320.1.1	Ath_AT3G07320.1.1
GH17	311	AT3G07320.1.1	460	6.60E-112	2	310	26	346	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT3G07320.1.1	Plant	Ath	Ath_AT3G07320.1.1	Ath_AT3G07320.1.1
GT2	168	AT3G07330.1.1	682	2.00E-27	2	167	225	401	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT3G07330.1.1	Plant	Ath	Ath_AT3G07330.1.1	Ath_AT3G07330.1.1
GT2	168	AT3G07330.2.1	682	2.00E-27	2	167	225	401	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT3G07330.2.1	Plant	Ath	Ath_AT3G07330.2.1	Ath_AT3G07330.2.1
GT92	279	AT3G07380.1.1	102	5.80E-22	93	195	2	99	0.365591398	Arabidopsis_thaliana	Plant	GT92_AT3G07380.1.1	Plant	Ath	Ath_AT3G07380.1.1	Ath_AT3G07380.1.1
GT47	296	AT3G07620.1.1	459	9.90E-82	2	296	129	411	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT3G07620.1.1	Plant	Ath	Ath_AT3G07620.1.1	Ath_AT3G07620.1.1
GH28	325	AT3G07820.1.1	391	2.20E-87	5	323	44	376	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G07820.1.1	Plant	Ath	Ath_AT3G07820.1.1	Ath_AT3G07820.1.1
GH28	325	AT3G07830.1.1	397	1.70E-88	5	323	45	377	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G07830.1.1	Plant	Ath	Ath_AT3G07830.1.1	Ath_AT3G07830.1.1
GH28	325	AT3G07840.1.1	401	2.90E-89	5	323	45	377	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G07840.1.1	Plant	Ath	Ath_AT3G07840.1.1	Ath_AT3G07840.1.1
GH28	325	AT3G07850.1.1	444	4.00E-91	7	321	96	424	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT3G07850.1.1	Plant	Ath	Ath_AT3G07850.1.1	Ath_AT3G07850.1.1
GH28	325	AT3G07970.1.1	439	2.80E-98	4	322	93	428	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G07970.1.1	Plant	Ath	Ath_AT3G07970.1.1	Ath_AT3G07970.1.1
CBM16	116	AT3G08030.1.1	365	0.0000039	3	104	29	165	0.870689655	Arabidopsis_thaliana	Plant	CBM16_AT3G08030.1.1	Plant	Ath	Ath_AT3G08030.1.1	Ath_AT3G08030.1.1
GT75	343	AT3G08900.1.1	362	7.90E-180	2	343	14	349	0.994169096	Arabidopsis_thaliana	Plant	GT75_AT3G08900.1.1	Plant	Ath	Ath_AT3G08900.1.1	Ath_AT3G08900.1.1
GT32	90	AT3G09020.1.1	411	1.10E-12	8	88	151	259	0.888888889	Arabidopsis_thaliana	Plant	GT32_AT3G09020.1.1	Plant	Ath	Ath_AT3G09020.1.1	Ath_AT3G09020.1.1
AA1	943	AT3G09220.1.1	567	5.90E-148	1	551	23	553	0.583244963	Arabidopsis_thaliana	Plant	AA1_AT3G09220.1.1	Plant	Ath	Ath_AT3G09220.1.1	Ath_AT3G09220.1.1
AA1	943	AT3G09220.2.1	470	7.60E-118	76	551	1	456	0.503711559	Arabidopsis_thaliana	Plant	AA1_AT3G09220.2.1	Plant	Ath	Ath_AT3G09220.2.1	Ath_AT3G09220.2.1
GH1	429	AT3G09260.1.1	524	1.10E-162	2	425	37	511	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT3G09260.1.1	Plant	Ath	Ath_AT3G09260.1.1	Ath_AT3G09260.1.1
CE13	355	AT3G09405.1.1	409	1.80E-144	3	354	48	397	0.988732394	Arabidopsis_thaliana	Plant	CE13_AT3G09405.1.1	Plant	Ath	Ath_AT3G09405.1.1	Ath_AT3G09405.1.1
CE13	355	AT3G09405.2.1	302	1.50E-117	64	354	2	290	0.816901409	Arabidopsis_thaliana	Plant	CE13_AT3G09405.2.1	Plant	Ath	Ath_AT3G09405.2.1	Ath_AT3G09405.2.1
CE13	355	AT3G09410.1.1	427	1.30E-154	4	354	59	409	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT3G09410.1.1	Plant	Ath	Ath_AT3G09410.1.1	Ath_AT3G09410.1.1
CE13	355	AT3G09410.3.1	396	8.20E-146	4	337	59	392	0.938028169	Arabidopsis_thaliana	Plant	CE13_AT3G09410.3.1	Plant	Ath	Ath_AT3G09410.3.1	Ath_AT3G09410.3.1
PL1	202	AT3G09540.1.1	378	1.30E-58	20	200	109	287	0.891089109	Arabidopsis_thaliana	Plant	PL1_AT3G09540.1.1	Plant	Ath	Ath_AT3G09540.1.1	Ath_AT3G09540.1.1
PL1	202	AT3G09540.2.1	284	6.10E-56	19	192	108	279	0.856435644	Arabidopsis_thaliana	Plant	PL1_AT3G09540.2.1	Plant	Ath	Ath_AT3G09540.2.1	Ath_AT3G09540.2.1
PL1	202	AT3G09540.3.1	374	9.60E-56	20	193	109	280	0.856435644	Arabidopsis_thaliana	Plant	PL1_AT3G09540.3.1	Plant	Ath	Ath_AT3G09540.3.1	Ath_AT3G09540.3.1
AA2	255	AT3G09640.1.1	251	3.50E-63	14	253	26	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT3G09640.1.1	Plant	Ath	Ath_AT3G09640.1.1	Ath_AT3G09640.1.1
AA2	255	AT3G09640.2.1	251	3.50E-63	14	253	26	246	0.937254902	Arabidopsis_thaliana	Plant	AA2_AT3G09640.2.1	Plant	Ath	Ath_AT3G09640.2.1	Ath_AT3G09640.2.1
CE16	267	AT3G09930.1.1	354	1.80E-11	1	257	40	336	0.958801498	Arabidopsis_thaliana	Plant	CE16_AT3G09930.1.1	Plant	Ath	Ath_AT3G09930.1.1	Ath_AT3G09930.1.1
CE16	267	AT3G09930.2.1	354	1.80E-11	1	257	40	336	0.958801498	Arabidopsis_thaliana	Plant	CE16_AT3G09930.2.1	Plant	Ath	Ath_AT3G09930.2.1	Ath_AT3G09930.2.1
GT61	242	AT3G10320.1.1	494	1.60E-94	2	241	102	359	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT3G10320.1.1	Plant	Ath	Ath_AT3G10320.1.1	Ath_AT3G10320.1.1
GT4	160	AT3G10630.1.1	487	2.80E-17	8	131	273	407	0.76875	Arabidopsis_thaliana	Plant	GT4_AT3G10630.1.1	Plant	Ath	Ath_AT3G10630.1.1	Ath_AT3G10630.1.1
CE8	288	AT3G10710.1.1	561	8.90E-105	1	288	255	546	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT3G10710.1.1	Plant	Ath	Ath_AT3G10710.1.1	Ath_AT3G10710.1.1
CE8	288	AT3G10720.1.1	263	8.10E-91	53	286	1	242	0.809027778	Arabidopsis_thaliana	Plant	CE8_AT3G10720.1.1	Plant	Ath	Ath_AT3G10720.1.1	Ath_AT3G10720.1.1
CE8	288	AT3G10720.2.1	619	2.70E-106	3	286	304	598	0.982638889	Arabidopsis_thaliana	Plant	CE8_AT3G10720.2.1	Plant	Ath	Ath_AT3G10720.2.1	Ath_AT3G10720.2.1
CBM4	126	AT3G10740.1.1	678	0.00077	53	123	149	221	0.555555556	Arabidopsis_thaliana	Plant	CBM4_AT3G10740.1.1	Plant	Ath	Ath_AT3G10740.1.1	Ath_AT3G10740.1.1
GH51	630	AT3G10740.1.1	678	2.00E-102	100	553	216	666	0.719047619	Arabidopsis_thaliana	Plant	GH51_AT3G10740.1.1	Plant	Ath	Ath_AT3G10740.1.1	Ath_AT3G10740.1.1
CBM4	126	AT3G10740.2.1	697	0.00008	53	123	168	240	0.555555556	Arabidopsis_thaliana	Plant	CBM4_AT3G10740.2.1	Plant	Ath	Ath_AT3G10740.2.1	Ath_AT3G10740.2.1
GH51	630	AT3G10740.2.1	697	2.20E-102	100	553</										

GH5	275	AT3G10900.1.1	408	4.50E-30	6	230	40	365	0.814545455	Arabidopsis_thaliana	Plant	GH5_AT3G10900.1.1	Plant	Ath	Ath_AT3G10900.1.1	Ath_AT3G10900.1.1
GH85	315	AT3G11040.1.1	679	2.40E-92	1	313	76	357	0.990476191	Arabidopsis_thaliana	Plant	GH85_AT3G11040.1.1	Plant	Ath	Ath_AT3G11040.1.1	Ath_AT3G11040.1.1
GH85	315	AT3G11040.2.1	716	2.60E-92	1	313	113	394	0.990476191	Arabidopsis_thaliana	Plant	GH85_AT3G11040.2.1	Plant	Ath	Ath_AT3G11040.2.1	Ath_AT3G11040.2.1
GH85	315	AT3G11040.3.1	738	2.90E-92	1	313	113	394	0.990476191	Arabidopsis_thaliana	Plant	GH85_AT3G11040.3.1	Plant	Ath	Ath_AT3G11040.3.1	Ath_AT3G11040.3.1
CE12	210	AT3G11210.1.1	256	0.0000018	1	158	8	175	0.747619048	Arabidopsis_thaliana	Plant	CE12_AT3G11210.1.1	Plant	Ath	Ath_AT3G11210.1.1	Ath_AT3G11210.1.1
GT1	382	AT3G11340.1.1	447	7.00E-38	95	363	20	415	0.701570681	Arabidopsis_thaliana	Plant	GT1_AT3G11340.1.1	Plant	Ath	Ath_AT3G11340.1.1	Ath_AT3G11340.1.1
GT31	192	AT3G11420.1.1	505	5.90E-13	74	189	176	281	0.598958333	Arabidopsis_thaliana	Plant	GT31_AT3G11420.1.1	Plant	Ath	Ath_AT3G11420.1.1	Ath_AT3G11420.1.1
GT41	705	AT3G11540.1.1	914	2.60E-130	125	523	360	847	0.564539007	Arabidopsis_thaliana	Plant	GT41_AT3G11540.1.1	Plant	Ath	Ath_AT3G11540.1.1	Ath_AT3G11540.1.1
GT41	705	AT3G11540.2.1	732	3.30E-130	126	523	150	665	0.563120567	Arabidopsis_thaliana	Plant	GT41_AT3G11540.2.1	Plant	Ath	Ath_AT3G11540.2.1	Ath_AT3G11540.2.1
GT4	160	AT3G11670.1.1	808	1.20E-18	13	118	571	672	0.65625	Arabidopsis_thaliana	Plant	GT4_AT3G11670.1.1	Plant	Ath	Ath_AT3G11670.1.1	Ath_AT3G11670.1.1
GT4	160	AT3G11670.2.1	639	0.000000011	13	78	571	634	0.40625	Arabidopsis_thaliana	Plant	GT4_AT3G11670.2.1	Plant	Ath	Ath_AT3G11670.2.1	Ath_AT3G11670.2.1
CBM18	38	AT3G12500.1.1	335	1.30E-13	1	38	35	73	0.973684211	Arabidopsis_thaliana	Plant	CBM18_AT3G12500.1.1	Plant	Ath	Ath_AT3G12500.1.1	Ath_AT3G12500.1.1
GH19	231	AT3G12500.1.1	335	2.40E-102	7	231	88	320	0.96969697	Arabidopsis_thaliana	Plant	GH19_AT3G12500.1.1	Plant	Ath	Ath_AT3G12500.1.1	Ath_AT3G12500.1.1
AA1	943	AT3G13390.1.1	554	1.60E-160	431	912	28	504	0.510074231	Arabidopsis_thaliana	Plant	AA1_AT3G13390.1.1	Plant	Ath	Ath_AT3G13390.1.1	Ath_AT3G13390.1.1
AA1	943	AT3G13400.1.1	551	6.30E-148	448	913	44	503	0.493107105	Arabidopsis_thaliana	Plant	AA1_AT3G13400.1.1	Plant	Ath	Ath_AT3G13400.1.1	Ath_AT3G13400.1.1
AA1	943	AT3G13400.2.1	551	6.30E-148	448	913	44	503	0.493107105	Arabidopsis_thaliana	Plant	AA1_AT3G13400.2.1	Plant	Ath	Ath_AT3G13400.2.1	Ath_AT3G13400.2.1
CBM43	83	AT3G13560.1.1	505	4.70E-30	2	82	363	444	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT3G13560.1.1	Plant	Ath	Ath_AT3G13560.1.1	Ath_AT3G13560.1.1
GH17	311	AT3G13560.1.1	505	8.40E-105	1	310	26	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G13560.1.1	Plant	Ath	Ath_AT3G13560.1.1	Ath_AT3G13560.1.1
CBM43	83	AT3G13560.2.1	505	4.70E-30	2	82	363	444	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT3G13560.2.1	Plant	Ath	Ath_AT3G13560.2.1	Ath_AT3G13560.2.1
GH17	311	AT3G13560.2.1	505	8.40E-105	1	310	26	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G13560.2.1	Plant	Ath	Ath_AT3G13560.2.1	Ath_AT3G13560.2.1
CBM43	83	AT3G13560.3.1	505	4.70E-30	2	82	363	444	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT3G13560.3.1	Plant	Ath	Ath_AT3G13560.3.1	Ath_AT3G13560.3.1
GH17	311	AT3G13560.3.1	505	8.40E-105	1	310	26	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G13560.3.1	Plant	Ath	Ath_AT3G13560.3.1	Ath_AT3G13560.3.1
CBM43	83	AT3G13560.4.1	505	4.70E-30	2	82	363	444	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT3G13560.4.1	Plant	Ath	Ath_AT3G13560.4.1	Ath_AT3G13560.4.1
GH17	311	AT3G13560.4.1	505	8.40E-105	1	310	26	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G13560.4.1	Plant	Ath	Ath_AT3G13560.4.1	Ath_AT3G13560.4.1
CBM43	83	AT3G13560.5.1	505	4.70E-30	2	82	363	444	0.963855422	Arabidopsis_thaliana	Plant	CBM43_AT3G13560.5.1	Plant	Ath	Ath_AT3G13560.5.1	Ath_AT3G13560.5.1
GH17	311	AT3G13560.5.1	505	8.40E-105	1	310	26	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G13560.5.1	Plant	Ath	Ath_AT3G13560.5.1	Ath_AT3G13560.5.1
GH35	307	AT3G13750.1.1	847	8.40E-122	2	306	42	344	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT3G13750.1.1	Plant	Ath	Ath_AT3G13750.1.1	Ath_AT3G13750.1.1
GH32	293	AT3G13784.1.1	569	7.00E-80	1	293	47	366	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G13784.1.1	Plant	Ath	Ath_AT3G13784.1.1	Ath_AT3G13784.1.1
GH32	293	AT3G13784.2.1	572	7.80E-86	1	293	47	369	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G13784.2.1	Plant	Ath	Ath_AT3G13784.2.1	Ath_AT3G13784.2.1
GH32	293	AT3G13784.3.1	519	2.30E-79	9	293	2	316	0.969283277	Arabidopsis_thaliana	Plant	GH32_AT3G13784.3.1	Plant	Ath	Ath_AT3G13784.3.1	Ath_AT3G13784.3.1
GH32	293	AT3G13784.4.1	572	1.40E-82	1	293	47	369	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G13784.4.1	Plant	Ath	Ath_AT3G13784.4.1	Ath_AT3G13784.4.1
GH32	293	AT3G13790.1.1	584	1.20E-91	1	293	56	378	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G13790.1.1	Plant	Ath	Ath_AT3G13790.1.1	Ath_AT3G13790.1.1
GH32	293	AT3G13790.2.1	581	9.80E-86	1	293	56	375	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G13790.2.1	Plant	Ath	Ath_AT3G13790.2.1	Ath_AT3G13790.2.1
GH32	293	AT3G13790.3.1	514	1.50E-80	17	293	2	308	0.941979522	Arabidopsis_thaliana	Plant	GH32_AT3G13790.3.1	Plant	Ath	Ath_AT3G13790.3.1	Ath_AT3G13790.3.1
GH32	293	AT3G13790.4.1	514	1.50E-80	17	293	2	308	0.941979522	Arabidopsis_thaliana	Plant	GH32_AT3G13790.4.1	Plant	Ath	Ath_AT3G13790.4.1	Ath_AT3G13790.4.1
GH32	293	AT3G13790.5.1	514	1.50E-80	17	293	2	308	0.941979522	Arabidopsis_thaliana	Plant	GH32_AT3G13790.5.1	Plant	Ath	Ath_AT3G13790.5.1	Ath_AT3G13790.5.1
GH28	325	AT3G14040.1.1	445	2.50E-92	7	321	97	425	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT3G14040.1.1	Plant	Ath	Ath_AT3G14040.1.1	Ath_AT3G14040.1.1
CE16	267	AT3G14210.1.1	392	1.00E-12	1	264	37	338	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT3G14210.1.1	Plant	Ath	Ath_AT3G14210.1.1	Ath_AT3G14210.1.1
CE16	267	AT3G14210.2.1	264	1.70E-11	84	264	5	210	0.674157303	Arabidopsis_thaliana	Plant	CE16_AT3G14210.2.1	Plant	Ath	Ath_AT3G14210.2.1	Ath_AT3G14210.2.1
CE16	267	AT3G14220.1.1	363	1.60E-15	1	264	33	332	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT3G14220.1.1	Plant	Ath	Ath_AT3G14220.1.1	Ath_AT3G14220.1.1
CE16	267	AT3G14225.1.1	377	8.20E-26	1	264	38	356	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT3G14225.1.1	Plant	Ath	Ath_AT3G14225.1.1	Ath_AT3G14225.1.1
CE16	267	AT3G14225.2.1	373	2.70E-25	1	264	38	352	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT3G14225.2.1	Plant	Ath	Ath_AT3G14225.2.1	Ath_AT3G14225.2.1
CE8	288	AT3G14300.1.1	968	1.30E-105	2	287	661	952	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G14300.1.1	Plant	Ath	Ath_AT3G14300.1.1	Ath_AT3G14300.1.1
CE8	288	AT3G14310.1.1	592	2.20E-113	2	287	282	576	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G14310.1.1	Plant	Ath	Ath_AT3G14310.1.1	Ath_AT3G14310.1.1
GT48	739	AT3G14570.1.1	1976	0	2	732	1107	1837	0.98782138	Arabidopsis_thaliana	Plant	GT48_AT3G14570.1.1	Plant	Ath	Ath_AT3G14570.1.1	Ath_AT3G14570.1.1
GT48	739	AT3G14570.2.1	1950	0	2	732	1081	1811	0.98782138	Arabidopsis_thaliana	Plant	GT48_AT3G14570.2.1	Plant	Ath	Ath_AT3G14570.2.1	Ath_AT3G14570.2.1
GT48	739	AT3G14570.3.1	1960	0	2	732	1091	1821	0.98782138	Arabidopsis_thaliana	Plant	GT48_AT3G14570.3.1	Plant	Ath	Ath_AT3G14570.3.1	Ath_AT3G14570.3.1
CE16	267	AT3G14820.1.1	351	1.20E-16	60	265	112	340	0.767790262	Arabidopsis_thaliana	Plant	CE16_AT3G14820.1.1	Plant	Ath	Ath_AT3G14820.1.1	Ath_AT3G14820.1.1
CBM57	147	AT3G14840.2.1	1020	6.40E-28	3	137	406	570	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT3G14840.2.1	Plant	Ath	Ath_AT3G14840.2.1	Ath_AT3G14840.2.1
GT31	192	AT3G14960.1.1	343	3.20E-63	2	191	99	291	0.984375	Arabidopsis_thaliana	Plant	GT31_AT3G14960.1.1	Plant	Ath	Ath_AT3G14960.1.1	Ath_AT3G14960.1.1
GT14	250	AT3G15350.1.1	424	1.10E-93	1	248	81	336	0.988	Arabidopsis_thaliana	Plant	GT14_AT3G15350.1.1	Plant	Ath	Ath_AT3G15350.1.1	Ath_AT3G15350.1.1
GT14	250	AT3G15350.2.1	424	1.10E-93	1	248	81	336	0.988	Arabidopsis_thaliana	Plant	GT14_AT3G15350.2.1	Plant	Ath	Ath_AT3G15350.2.1	Ath_AT3G15350.2.1
CE1	227	AT3G15650.1.1	255	0.00000045	10	207	23	231	0.86784141	Arabidopsis_thaliana	Plant	CE1_AT3G15650.1.1	Plant	Ath	Ath_AT3G15650.1.1	Ath_AT3G15650.1.1
CE1	227	AT3G15650.3.1	265	0.00000051	10	207	33	241	0.86784141	Arabidopsis_thaliana	Plant	CE1_AT3G15650.3.1	Plant	Ath	Ath_AT3G15650.3.1	Ath_AT3G15650.3.1
GH28	325	AT3G15720.1.1	456	1.90E-104	4	322	47	377	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G15720.1.1	Plant	Ath	Ath_AT3G15720.1.1	Ath_AT3G15720.1.1
GH28	325	AT3G15720.2.1	452	7.70E-101	4	322	46	373	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G15720.2.1	Plant	Ath	Ath_AT3G15720.2.1	Ath_AT3G15720.2.1
GH28	325	AT3G15720.3.1	455	1.90E-104	4	322	46	376	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT3G15720.3.1	Plant	Ath	Ath_AT3G15720.3.1	Ath_AT3G15720.3.1
GH28	325	AT3G15720.4.1	392	9.60E-99	23	322	2	313	0.92	Arabidopsis_thaliana	Plant	GH28_AT3G15720.4.1	Plant	Ath	Ath_AT3G15720.4.1	Ath_AT3G15720.4.1
GH17	311	AT3G15800.1.1	399	7.70E-109	2	309	44	361	0.987138264	Arabidopsis_thaliana	Plant	GH17_AT3G15800.1.1	Plant	Ath	Ath_AT3G15800.1.1	Ath_AT3G15800.1.1
CBM53	87	AT3G15840.1.1	268	0.0000023	2	81	91	173	0.908045977	Arabidopsis_thaliana	Plant	CBM53_AT3G15840.1.1	Plant	Ath	Ath_AT3G15840.1.1	Ath_AT3G15840.1.1
CBM53	87	AT3G15840.2.1	265	0.0000059	4	82	90	171	0.896551724	Arabidopsis_thaliana	Plant	CBM53_AT3G15840.2.1	Plant	Ath	Ath_AT3G15840.2.1	Ath_AT3G15840.2.1
CBM53	87	AT3G15840.3.1	268	0.0000023	2	81	91	173	0.908045977	Arabidopsis_thaliana	Plant	CBM53_AT3G15840.3.1	Plant	Ath	Ath_AT3G15840.3.1	Ath_AT3G15840.3.1
CBM53	87	AT3G15840.4.1	214	0.0000014	2	82	37	120	0.91954023	Arabidopsis_thaliana	Plant	CBM53_AT3G15840.4.1	Plant	Ath	Ath_AT3G15840.4.1	Ath_AT3G15840.4.1
CBM53	87	AT3G15840.5.1	248	0.000002	2	82	71	154	0.91954023	Arabidopsis_thaliana	Plant	CBM53_AT3G15840.5.1	Plant	Ath	Ath_AT3G15840.5.1	Ath_AT3G15840.5.1
GT4	160	AT3G15940.1.1	697	7.50E-20	37	155	536	663	0.7375	Arabidopsis_thaliana	Plant	GT4_AT3G15940.1.1	Plant	Ath	Ath_AT3G15940.1.1	Ath_AT3G15940.1.1
GT4	160	AT3G15940.2.1	697	7.50E-20	37	155	536	663	0.7375	Arabidopsis_thaliana	Plant	GT4_AT3G15940.2.1	Plant	Ath	Ath_AT3	

CBM2	101	AT3G16860.1.1	653	0.00062	14	55	66	108	0.405940594	Arabidopsis_thaliana	Plant	CBM2_AT3G16860.1.1	Plant	Ath	Ath_AT3G16860.1.1	Ath_AT3G16860.1.1
GH19	231	AT3G16920.1.1	333	2.10E-70	5	231	68	313	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT3G16920.1.1	Plant	Ath	Ath_AT3G16920.1.1	Ath_AT3G16920.1.1
GH19	231	AT3G16920.2.1	357	2.60E-70	5	231	92	337	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT3G16920.2.1	Plant	Ath	Ath_AT3G16920.2.1	Ath_AT3G16920.2.1
CE8	288	AT3G17060.1.1	344	4.40E-91	2	288	46	332	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G17060.1.1	Plant	Ath	Ath_AT3G17060.1.1	Ath_AT3G17060.1.1
AA2	255	AT3G17070.1.1	339	2.30E-47	20	251	67	320	0.905882353	Arabidopsis_thaliana	Plant	AA2_AT3G17070.1.1	Plant	Ath	Ath_AT3G17070.1.1	Ath_AT3G17070.1.1
AA2	255	AT3G17070.2.1	276	1.50E-40	40	251	17	257	0.82745098	Arabidopsis_thaliana	Plant	AA2_AT3G17070.2.1	Plant	Ath	Ath_AT3G17070.2.1	Ath_AT3G17070.2.1
GH1	429	AT3G18070.1.1	501	1.20E-166	2	427	32	499	0.990675991	Arabidopsis_thaliana	Plant	GH1_AT3G18070.1.1	Plant	Ath	Ath_AT3G18070.1.1	Ath_AT3G18070.1.1
GH1	429	AT3G18070.2.1	424	4.50E-101	148	427	99	422	0.65034965	Arabidopsis_thaliana	Plant	GH1_AT3G18070.2.1	Plant	Ath	Ath_AT3G18070.2.1	Ath_AT3G18070.2.1
GH1	429	AT3G18070.3.1	495	2.80E-166	2	427	32	493	0.990675991	Arabidopsis_thaliana	Plant	GH1_AT3G18070.3.1	Plant	Ath	Ath_AT3G18070.3.1	Ath_AT3G18070.3.1
GH1	429	AT3G18070.4.1	384	9.70E-119	2	310	32	359	0.717948718	Arabidopsis_thaliana	Plant	GH1_AT3G18070.4.1	Plant	Ath	Ath_AT3G18070.4.1	Ath_AT3G18070.4.1
GH1	429	AT3G18070.5.1	345	4.40E-63	148	343	99	336	0.454545455	Arabidopsis_thaliana	Plant	GH1_AT3G18070.5.1	Plant	Ath	Ath_AT3G18070.5.1	Ath_AT3G18070.5.1
GH1	429	AT3G18070.6.1	233	8.60E-56	162	343	1	224	0.421911422	Arabidopsis_thaliana	Plant	GH1_AT3G18070.6.1	Plant	Ath	Ath_AT3G18070.6.1	Ath_AT3G18070.6.1
GH1	429	AT3G18070.7.1	312	1.20E-93	162	427	1	310	0.617715618	Arabidopsis_thaliana	Plant	GH1_AT3G18070.7.1	Plant	Ath	Ath_AT3G18070.7.1	Ath_AT3G18070.7.1
GH1	429	AT3G18080.1.1	512	8.20E-176	2	428	41	511	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT3G18080.1.1	Plant	Ath	Ath_AT3G18080.1.1	Ath_AT3G18080.1.1
GT61	242	AT3G18170.1.1	384	5.30E-79	7	242	9	253	0.97107438	Arabidopsis_thaliana	Plant	GT61_AT3G18170.1.1	Plant	Ath	Ath_AT3G18170.1.1	Ath_AT3G18170.1.1
GT61	242	AT3G18170.2.1	535	1.30E-78	7	242	160	404	0.97107438	Arabidopsis_thaliana	Plant	GT61_AT3G18170.2.1	Plant	Ath	Ath_AT3G18170.2.1	Ath_AT3G18170.2.1
GT61	242	AT3G18180.1.1	470	5.40E-76	8	242	100	334	0.966942149	Arabidopsis_thaliana	Plant	GT61_AT3G18180.1.1	Plant	Ath	Ath_AT3G18180.1.1	Ath_AT3G18180.1.1
GT8	257	AT3G18660.1.1	655	3.80E-39	32	254	322	530	0.86381323	Arabidopsis_thaliana	Plant	GT8_AT3G18660.1.1	Plant	Ath	Ath_AT3G18660.1.1	Ath_AT3G18660.1.1
GT8	257	AT3G18660.2.1	659	3.80E-39	32	254	326	534	0.86381323	Arabidopsis_thaliana	Plant	GT8_AT3G18660.2.1	Plant	Ath	Ath_AT3G18660.2.1	Ath_AT3G18660.2.1
GT8	257	AT3G18660.3.1	654	3.80E-39	32	254	321	529	0.86381323	Arabidopsis_thaliana	Plant	GT8_AT3G18660.3.1	Plant	Ath	Ath_AT3G18660.3.1	Ath_AT3G18660.3.1
GT10	347	AT3G19280.1.1	501	1.80E-66	96	337	139	377	0.694524496	Arabidopsis_thaliana	Plant	GT10_AT3G19280.1.1	Plant	Ath	Ath_AT3G19280.1.1	Ath_AT3G19280.1.1
GH3	216	AT3G19620.1.1	781	1.60E-70	3	215	74	324	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT3G19620.1.1	Plant	Ath	Ath_AT3G19620.1.1	Ath_AT3G19620.1.1
GH13	299	AT3G20440.1.1	869	2.10E-15	50	290	424	713	0.802675585	Arabidopsis_thaliana	Plant	GH13_AT3G20440.1.1	Plant	Ath	Ath_AT3G20440.1.1	Ath_AT3G20440.1.1
GH13	299	AT3G20440.2.1	899	7.10E-22	15	290	417	743	0.919732442	Arabidopsis_thaliana	Plant	GH13_AT3G20440.2.1	Plant	Ath	Ath_AT3G20440.2.1	Ath_AT3G20440.2.1
GH13	299	AT3G20440.3.1	897	7.10E-22	15	290	422	748	0.919732442	Arabidopsis_thaliana	Plant	GH13_AT3G20440.3.1	Plant	Ath	Ath_AT3G20440.3.1	Ath_AT3G20440.3.1
GH47	446	AT3G21160.1.1	572	2.00E-158	2	446	106	537	0.995515695	Arabidopsis_thaliana	Plant	GH47_AT3G21160.1.1	Plant	Ath	Ath_AT3G21160.1.1	Ath_AT3G21160.1.1
GH47	446	AT3G21160.2.1	408	1.50E-101	2	297	106	394	0.661434978	Arabidopsis_thaliana	Plant	GH47_AT3G21160.2.1	Plant	Ath	Ath_AT3G21160.2.1	Ath_AT3G21160.2.1
GT14	250	AT3G21310.1.1	383	6.70E-15	61	241	171	327	0.72	Arabidopsis_thaliana	Plant	GT14_AT3G21310.1.1	Plant	Ath	Ath_AT3G21310.1.1	Ath_AT3G21310.1.1
GT14	250	AT3G21310.3.1	383	6.70E-15	61	241	171	327	0.72	Arabidopsis_thaliana	Plant	GT14_AT3G21310.3.1	Plant	Ath	Ath_AT3G21310.3.1	Ath_AT3G21310.3.1
CBM57	147	AT3G21340.1.1	899	0.00032	57	105	264	311	0.326530612	Arabidopsis_thaliana	Plant	CBM57_AT3G21340.1.1	Plant	Ath	Ath_AT3G21340.1.1	Ath_AT3G21340.1.1
CBM57	147	AT3G21340.2.1	703	0.00023	57	105	264	311	0.326530612	Arabidopsis_thaliana	Plant	CBM57_AT3G21340.2.1	Plant	Ath	Ath_AT3G21340.2.1	Ath_AT3G21340.2.1
GH1	429	AT3G21370.1.1	527	8.30E-160	2	425	35	512	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT3G21370.1.1	Plant	Ath	Ath_AT3G21370.1.1	Ath_AT3G21370.1.1
GT1	382	AT3G21560.1.1	496	4.40E-33	188	374	270	454	0.486910995	Arabidopsis_thaliana	Plant	GT1_AT3G21560.1.1	Plant	Ath	Ath_AT3G21560.1.1	Ath_AT3G21560.1.1
CBM50	40	AT3G21630.1.1	617	0.00097	4	28	173	197	0.6	Arabidopsis_thaliana	Plant	CBM50_AT3G21630.1.1	Plant	Ath	Ath_AT3G21630.1.1	Ath_AT3G21630.1.1
GT1	382	AT3G21750.1.1	473	2.60E-37	185	365	227	448	0.471204189	Arabidopsis_thaliana	Plant	GT1_AT3G21750.1.1	Plant	Ath	Ath_AT3G21750.1.1	Ath_AT3G21750.1.1
GT1	382	AT3G21760.1.1	485	8.30E-35	183	363	202	458	0.471204189	Arabidopsis_thaliana	Plant	GT1_AT3G21760.1.1	Plant	Ath	Ath_AT3G21760.1.1	Ath_AT3G21760.1.1
AA2	255	AT3G21770.1.1	329	3.60E-57	8	252	49	310	0.956862745	Arabidopsis_thaliana	Plant	AA2_AT3G21770.1.1	Plant	Ath	Ath_AT3G21770.1.1	Ath_AT3G21770.1.1
GT1	382	AT3G21780.1.1	479	3.60E-35	220	364	239	447	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT3G21780.1.1	Plant	Ath	Ath_AT3G21780.1.1	Ath_AT3G21780.1.1
GT1	382	AT3G21790.1.1	495	4.60E-38	169	364	204	457	0.510471204	Arabidopsis_thaliana	Plant	GT1_AT3G21790.1.1	Plant	Ath	Ath_AT3G21790.1.1	Ath_AT3G21790.1.1
GT1	382	AT3G21800.1.1	480	4.00E-37	164	363	195	453	0.520942408	Arabidopsis_thaliana	Plant	GT1_AT3G21800.1.1	Plant	Ath	Ath_AT3G21800.1.1	Ath_AT3G21800.1.1
GT1	382	AT3G22250.1.1	461	3.50E-30	221	365	274	441	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT3G22250.1.1	Plant	Ath	Ath_AT3G22250.1.1	Ath_AT3G22250.1.1
AA3	618	AT3G23410.1.1	746	9.10E-44	73	401	216	740	0.530744337	Arabidopsis_thaliana	Plant	AA3_AT3G23410.1.1	Plant	Ath	Ath_AT3G23410.1.1	Ath_AT3G23410.1.1
AA3	618	AT3G23410.2.1	678	6.00E-44	72	401	147	672	0.53236246	Arabidopsis_thaliana	Plant	AA3_AT3G23410.2.1	Plant	Ath	Ath_AT3G23410.2.1	Ath_AT3G23410.2.1
CE10	341	AT3G23540.1.1	566	0.0000019	81	215	30	176	0.392961877	Arabidopsis_thaliana	Plant	CE10_AT3G23540.1.1	Plant	Ath	Ath_AT3G23540.1.1	Ath_AT3G23540.1.1
CE7	313	AT3G23540.1.1	566	0.0000013	174	296	135	262	0.389776358	Arabidopsis_thaliana	Plant	CE7_AT3G23540.1.1	Plant	Ath	Ath_AT3G23540.1.1	Ath_AT3G23540.1.1
CE7	313	AT3G23540.3.1	539	0.00000037	57	296	12	235	0.763578275	Arabidopsis_thaliana	Plant	CE7_AT3G23540.3.1	Plant	Ath	Ath_AT3G23540.3.1	Ath_AT3G23540.3.1
GH31	427	AT3G23640.1.1	991	4.90E-141	7	397	176	587	0.913348946	Arabidopsis_thaliana	Plant	GH31_AT3G23640.1.1	Plant	Ath	Ath_AT3G23640.1.1	Ath_AT3G23640.1.1
GH31	427	AT3G23640.2.1	991	4.90E-141	7	397	176	587	0.913348946	Arabidopsis_thaliana	Plant	GH31_AT3G23640.2.1	Plant	Ath	Ath_AT3G23640.2.1	Ath_AT3G23640.2.1
GH31	427	AT3G23640.3.1	1060	5.70E-141	7	397	245	656	0.913348946	Arabidopsis_thaliana	Plant	GH31_AT3G23640.3.1	Plant	Ath	Ath_AT3G23640.3.1	Ath_AT3G23640.3.1
GH16	189	AT3G23730.1.1	291	4.60E-24	38	185	48	206	0.777777778	Arabidopsis_thaliana	Plant	GH16_AT3G23730.1.1	Plant	Ath	Ath_AT3G23730.1.1	Ath_AT3G23730.1.1
CBM43	83	AT3G23770.1.1	476	1.30E-25	1	83	387	470	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G23770.1.1	Plant	Ath	Ath_AT3G23770.1.1	Ath_AT3G23770.1.1
GH17	311	AT3G23770.1.1	476	2.80E-110	1	311	37	361	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT3G23770.1.1	Plant	Ath	Ath_AT3G23770.1.1	Ath_AT3G23770.1.1
GH14	412	AT3G23920.1.1	575	1.30E-198	1	411	109	531	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT3G23920.1.1	Plant	Ath	Ath_AT3G23920.1.1	Ath_AT3G23920.1.1
GT14	250	AT3G24040.1.1	417	1.10E-67	1	246	69	322	0.98	Arabidopsis_thaliana	Plant	GT14_AT3G24040.1.1	Plant	Ath	Ath_AT3G24040.1.1	Ath_AT3G24040.1.1
CE8	288	AT3G24130.1.1	335	8.50E-88	2	287	34	323	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G24130.1.1	Plant	Ath	Ath_AT3G24130.1.1	Ath_AT3G24130.1.1
GH116	363	AT3G24180.1.1	950	7.30E-156	1	363	535	897	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT3G24180.1.1	Plant	Ath	Ath_AT3G24180.1.1	Ath_AT3G24180.1.1
GH116	363	AT3G24180.2.1	950	7.30E-156	1	363	535	897	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT3G24180.2.1	Plant	Ath	Ath_AT3G24180.2.1	Ath_AT3G24180.2.1
PL1	202	AT3G24230.1.1	452	2.60E-60	11	200	165	371	0.935643564	Arabidopsis_thaliana	Plant	PL1_AT3G24230.1.1	Plant	Ath	Ath_AT3G24230.1.1	Ath_AT3G24230.1.1
CBM43	83	AT3G24330.1.1	500	1.50E-22	1	82	382	462	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT3G24330.1.1	Plant	Ath	Ath_AT3G24330.1.1	Ath_AT3G24330.1.1
GH17	311	AT3G24330.1.1	500	1.40E-100	1	310	39	359	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT3G24330.1.1	Plant	Ath	Ath_AT3G24330.1.1	Ath_AT3G24330.1.1
CE1	227	AT3G24420.1.1	273	0.0000099	29	175	26	161	0.643171806	Arabidopsis_thaliana	Plant	CE1_AT3G24420.1.1	Plant	Ath	Ath_AT3G24420.1.1	Ath_AT3G24420.1.1
PL1	202	AT3G24670.1.1	440	1.50E-58	12	200	154	359	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT3G24670.1.1	Plant	Ath	Ath_AT3G24670.1.1	Ath_AT3G24670.1.1
GH16	189	AT3G25050.1.1	290	2.60E-25	39	185	59	211	0.772486773	Arabidopsis_thaliana	Plant	GH16_AT3G25050.1.1	Plant	Ath	Ath_AT3G25050.1.1	Ath_AT3G25050.1.1
GT8	257	AT3G25140.1.1	559	1.60E-58	1	256	216	532	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT3G25140.1.1	Plant	Ath	Ath_AT3G25140.1.1	Ath_AT3G25140.1.1
GH5	275	AT3G26130.1.1	551	1.00E-42	2	232	30	344	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT3G26130.1.1	Plant	Ath	Ath_AT3G26130.1.1	Ath_AT3G26130.1.1
GH5	275	AT3G26130.2.1	561	1.00E-42	2	232	38	352	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT3G26130.2.1				

CBM13	188	AT3G26140.3.1	576	7.60E-09	7	113	444	547	0.563829787	Arabidopsis_thaliana	Plant	CBM13_AT3G26140.3.1	Plant	Ath	Ath_AT3G26140.3.1	Ath_AT3G26140.3.1
GH5	275	AT3G26140.3.1	576	1.30E-40	2	232	80	392	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT3G26140.3.1	Plant	Ath	Ath_AT3G26140.3.1	Ath_AT3G26140.3.1
GT68	350	AT3G26370.1.1	557	0.00000046	203	348	304	499	0.414285714	Arabidopsis_thaliana	Plant	GT68_AT3G26370.1.1	Plant	Ath	Ath_AT3G26370.1.1	Ath_AT3G26370.1.1
GH27	375	AT3G26380.1.1	647	3.20E-12	142	334	213	389	0.512	Arabidopsis_thaliana	Plant	GH27_AT3G26380.1.1	Plant	Ath	Ath_AT3G26380.1.1	Ath_AT3G26380.1.1
GH27	375	AT3G26380.2.1	475	1.80E-12	142	334	213	389	0.512	Arabidopsis_thaliana	Plant	GH27_AT3G26380.2.1	Plant	Ath	Ath_AT3G26380.2.1	Ath_AT3G26380.2.1
CE16	267	AT3G26430.1.1	380	8.50E-15	56	229	100	297	0.647940075	Arabidopsis_thaliana	Plant	CE16_AT3G26430.1.1	Plant	Ath	Ath_AT3G26430.1.1	Ath_AT3G26430.1.1
GH28	325	AT3G26610.1.1	470	4.40E-89	5	320	91	430	0.969230769	Arabidopsis_thaliana	Plant	GH28_AT3G26610.1.1	Plant	Ath	Ath_AT3G26610.1.1	Ath_AT3G26610.1.1
GH38	269	AT3G26720.1.1	1019	2.30E-80	1	269	39	350	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT3G26720.1.1	Plant	Ath	Ath_AT3G26720.1.1	Ath_AT3G26720.1.1
GH38	269	AT3G26720.2.1	943	2.00E-80	1	269	39	350	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT3G26720.2.1	Plant	Ath	Ath_AT3G26720.2.1	Ath_AT3G26720.2.1
GH38	269	AT3G26720.3.1	945	2.00E-80	1	269	39	350	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT3G26720.3.1	Plant	Ath	Ath_AT3G26720.3.1	Ath_AT3G26720.3.1
GH38	269	AT3G26720.4.1	921	1.90E-80	1	269	39	350	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT3G26720.4.1	Plant	Ath	Ath_AT3G26720.4.1	Ath_AT3G26720.4.1
GH38	269	AT3G26720.5.1	969	2.10E-80	1	269	39	350	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT3G26720.5.1	Plant	Ath	Ath_AT3G26720.5.1	Ath_AT3G26720.5.1
GT23	318	AT3G26950.1.1	548	0.000000078	16	225	130	354	0.657232704	Arabidopsis_thaliana	Plant	GT23_AT3G26950.1.1	Plant	Ath	Ath_AT3G26950.1.1	Ath_AT3G26950.1.1
CE10	341	AT3G27320.1.1	460	1.20E-54	60	336	129	450	0.809384164	Arabidopsis_thaliana	Plant	CE10_AT3G27320.1.1	Plant	Ath	Ath_AT3G27320.1.1	Ath_AT3G27320.1.1
CE10	341	AT3G27320.2.1	428	7.00E-55	81	336	72	418	0.747800587	Arabidopsis_thaliana	Plant	CE10_AT3G27320.2.1	Plant	Ath	Ath_AT3G27320.2.1	Ath_AT3G27320.2.1
GT92	279	AT3G27330.1.1	913	2.90E-17	3	237	278	524	0.838709677	Arabidopsis_thaliana	Plant	GT92_AT3G27330.1.1	Plant	Ath	Ath_AT3G27330.1.1	Ath_AT3G27330.1.1
PL1	202	AT3G27400.1.1	412	1.60E-61	19	200	133	331	0.896039604	Arabidopsis_thaliana	Plant	PL1_AT3G27400.1.1	Plant	Ath	Ath_AT3G27400.1.1	Ath_AT3G27400.1.1
PL1	202	AT3G27400.2.1	416	1.60E-61	19	200	137	335	0.896039604	Arabidopsis_thaliana	Plant	PL1_AT3G27400.2.1	Plant	Ath	Ath_AT3G27400.2.1	Ath_AT3G27400.2.1
GT17	284	AT3G27540.1.1	390	1.60E-129	1	284	91	378	0.996478873	Arabidopsis_thaliana	Plant	GT17_AT3G27540.1.1	Plant	Ath	Ath_AT3G27540.1.1	Ath_AT3G27540.1.1
AA6	195	AT3G27890.1.1	196	0.000000042	57	130	72	143	0.374358974	Arabidopsis_thaliana	Plant	AA6_AT3G27890.1.1	Plant	Ath	Ath_AT3G27890.1.1	Ath_AT3G27890.1.1
CE16	267	AT3G27950.1.1	375	2.80E-14	4	265	36	353	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT3G27950.1.1	Plant	Ath	Ath_AT3G27950.1.1	Ath_AT3G27950.1.1
CE8	288	AT3G27980.1.1	497	5.30E-109	1	287	188	481	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G27980.1.1	Plant	Ath	Ath_AT3G27980.1.1	Ath_AT3G27980.1.1
GT2	168	AT3G28180.1.1	673	3.10E-25	3	167	204	379	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT3G28180.1.1	Plant	Ath	Ath_AT3G28180.1.1	Ath_AT3G28180.1.1
AA2	255	AT3G28200.1.1	316	3.30E-55	5	253	34	299	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT3G28200.1.1	Plant	Ath	Ath_AT3G28200.1.1	Ath_AT3G28200.1.1
CBM43	83	AT3G28250.1.1	121	2.70E-23	1	78	3	79	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT3G28250.1.1	Plant	Ath	Ath_AT3G28250.1.1	Ath_AT3G28250.1.1
GT8	257	AT3G28340.1.1	365	3.50E-47	29	255	70	330	0.879377432	Arabidopsis_thaliana	Plant	GT8_AT3G28340.1.1	Plant	Ath	Ath_AT3G28340.1.1	Ath_AT3G28340.1.1
CE8	288	AT3G29090.1.1	317	4.10E-104	2	287	7	297	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G29090.1.1	Plant	Ath	Ath_AT3G29090.1.1	Ath_AT3G29090.1.1
GT35	674	AT3G29320.1.1	962	2.10E-266	1	674	180	957	0.998516321	Arabidopsis_thaliana	Plant	GT35_AT3G29320.1.1	Plant	Ath	Ath_AT3G29320.1.1	Ath_AT3G29320.1.1
GT1	382	AT3G29630.1.1	448	1.30E-19	41	364	51	423	0.845549738	Arabidopsis_thaliana	Plant	GT1_AT3G29630.1.1	Plant	Ath	Ath_AT3G29630.1.1	Ath_AT3G29630.1.1
GT1	382	AT3G29630.2.1	422	5.90E-18	102	364	113	397	0.685863874	Arabidopsis_thaliana	Plant	GT1_AT3G29630.2.1	Plant	Ath	Ath_AT3G29630.2.1	Ath_AT3G29630.2.1
GH5	275	AT3G30540.1.1	329	1.20E-19	72	205	77	298	0.483636364	Arabidopsis_thaliana	Plant	GH5_AT3G30540.1.1	Plant	Ath	Ath_AT3G30540.1.1	Ath_AT3G30540.1.1
AA2	255	AT3G32980.1.1	352	3.00E-57	4	251	43	315	0.968627451	Arabidopsis_thaliana	Plant	AA2_AT3G32980.1.1	Plant	Ath	Ath_AT3G32980.1.1	Ath_AT3G32980.1.1
GT47	296	AT3G42180.1.1	470	2.10E-87	3	296	132	421	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G42180.1.1	Plant	Ath	Ath_AT3G42180.1.1	Ath_AT3G42180.1.1
GT47	296	AT3G42180.4.1	341	7.40E-88	3	296	3	292	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G42180.4.1	Plant	Ath	Ath_AT3G42180.4.1	Ath_AT3G42180.4.1
AA2	255	AT3G42570.1.1	150	4.20E-17	55	151	43	147	0.376470588	Arabidopsis_thaliana	Plant	AA2_AT3G42570.1.1	Plant	Ath	Ath_AT3G42570.1.1	Ath_AT3G42570.1.1
GH28	325	AT3G42950.1.1	484	1.20E-84	9	322	96	445	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G42950.1.1	Plant	Ath	Ath_AT3G42950.1.1	Ath_AT3G42950.1.1
GT4	160	AT3G43190.1.1	808	2.10E-49	4	154	567	733	0.9375	Arabidopsis_thaliana	Plant	GT4_AT3G43190.1.1	Plant	Ath	Ath_AT3G43190.1.1	Ath_AT3G43190.1.1
GT4	160	AT3G43190.2.1	808	2.10E-49	4	154	567	733	0.9375	Arabidopsis_thaliana	Plant	GT4_AT3G43190.2.1	Plant	Ath	Ath_AT3G43190.2.1	Ath_AT3G43190.2.1
CE8	288	AT3G43270.1.1	527	1.80E-114	2	288	215	510	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G43270.1.1	Plant	Ath	Ath_AT3G43270.1.1	Ath_AT3G43270.1.1
CE16	267	AT3G43550.1.1	288	0.00000223	60	228	110	286	0.629213483	Arabidopsis_thaliana	Plant	CE16_AT3G43550.1.1	Plant	Ath	Ath_AT3G43550.1.1	Ath_AT3G43550.1.1
GH9	418	AT3G43860.1.1	486	1.60E-129	1	418	34	481	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT3G43860.1.1	Plant	Ath	Ath_AT3G43860.1.1	Ath_AT3G43860.1.1
GH9	418	AT3G43860.2.1	486	1.60E-129	1	418	34	481	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT3G43860.2.1	Plant	Ath	Ath_AT3G43860.2.1	Ath_AT3G43860.2.1
GH16	189	AT3G44990.1.1	293	6.80E-20	52	185	67	221	0.703703704	Arabidopsis_thaliana	Plant	GH16_AT3G44990.1.1	Plant	Ath	Ath_AT3G44990.1.1	Ath_AT3G44990.1.1
GT4	160	AT3G45100.1.1	447	3.30E-34	11	150	202	339	0.86875	Arabidopsis_thaliana	Plant	GT4_AT3G45100.1.1	Plant	Ath	Ath_AT3G45100.1.1	Ath_AT3G45100.1.1
GT4	160	AT3G45100.2.1	447	3.30E-34	11	150	202	339	0.86875	Arabidopsis_thaliana	Plant	GT4_AT3G45100.2.1	Plant	Ath	Ath_AT3G45100.2.1	Ath_AT3G45100.2.1
GT4	160	AT3G45100.3.1	447	3.30E-34	11	150	202	339	0.86875	Arabidopsis_thaliana	Plant	GT4_AT3G45100.3.1	Plant	Ath	Ath_AT3G45100.3.1	Ath_AT3G45100.3.1
GT47	296	AT3G45400.1.1	475	1.90E-87	5	296	81	398	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT3G45400.1.1	Plant	Ath	Ath_AT3G45400.1.1	Ath_AT3G45400.1.1
GH31	427	AT3G45940.1.1	868	1.20E-150	1	427	260	707	0.99765808	Arabidopsis_thaliana	Plant	GH31_AT3G45940.1.1	Plant	Ath	Ath_AT3G45940.1.1	Ath_AT3G45940.1.1
CBM57	147	AT3G46290.1.1	830	4.60E-12	2	147	31	169	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT3G46290.1.1	Plant	Ath	Ath_AT3G46290.1.1	Ath_AT3G46290.1.1
GH17	311	AT3G46570.1.1	356	5.80E-105	1	309	27	342	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT3G46570.1.1	Plant	Ath	Ath_AT3G46570.1.1	Ath_AT3G46570.1.1
GT1	382	AT3G46650.1.1	435	7.40E-31	117	366	120	413	0.651832461	Arabidopsis_thaliana	Plant	GT1_AT3G46650.1.1	Plant	Ath	Ath_AT3G46650.1.1	Ath_AT3G46650.1.1
GT1	382	AT3G46660.1.1	458	1.80E-30	220	365	252	435	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT3G46660.1.1	Plant	Ath	Ath_AT3G46660.1.1	Ath_AT3G46660.1.1
GT1	382	AT3G46670.1.1	451	2.80E-30	220	366	245	429	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT3G46670.1.1	Plant	Ath	Ath_AT3G46670.1.1	Ath_AT3G46670.1.1
GT1	382	AT3G46680.1.1	449	2.30E-30	220	366	252	430	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT3G46680.1.1	Plant	Ath	Ath_AT3G46680.1.1	Ath_AT3G46680.1.1
GT1	382	AT3G46690.1.1	452	6.40E-32	195	364	234	428	0.442408377	Arabidopsis_thaliana	Plant	GT1_AT3G46690.1.1	Plant	Ath	Ath_AT3G46690.1.1	Ath_AT3G46690.1.1
GT1	382	AT3G46700.1.1	447	4.40E-31	193	365	227	424	0.45026178	Arabidopsis_thaliana	Plant	GT1_AT3G46700.1.1	Plant	Ath	Ath_AT3G46700.1.1	Ath_AT3G46700.1.1
GT1	382	AT3G46720.1.1	447	9.10E-33	220	365	238	420	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT3G46720.1.1	Plant	Ath	Ath_AT3G46720.1.1	Ath_AT3G46720.1.1
GT35	674	AT3G46970.1.1	841	2.40E-271	1	674	114	836	0.998516321	Arabidopsis_thaliana	Plant	GT35_AT3G46970.1.1	Plant	Ath	Ath_AT3G46970.1.1	Ath_AT3G46970.1.1
GH3	216	AT3G47000.1.1	608	1.90E-78	3	216	87	322	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT3G47000.1.1	Plant	Ath	Ath_AT3G47000.1.1	Ath_AT3G47000.1.1
GH3	216	AT3G47000.2.1	431	9.60E-37	96	216	2	145	0.555555556	Arabidopsis_thaliana	Plant	GH3_AT3G47000.2.1	Plant	Ath	Ath_AT3G47000.2.1	Ath_AT3G47000.2.1
GH3	216	AT3G47000.3.1	449	9.00E-79	3	216	87	322	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT3G47000.3.1	Plant	Ath	Ath_AT3G47000.3.1	Ath_AT3G47000.3.1
GH3	216	AT3G47010.1.1	609	7.40E-72	3	216	88	323	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT3G47010.1.1	Plant	Ath	Ath_AT3G47010.1.1	Ath_AT3G47010.1.1
GH3	216	AT3G47010.2.1	608	7.40E-72	3	216	88	323	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT3G47010.2.1	Plant	Ath	Ath_AT3G47010.2.1	Ath_AT3G47010.2.1
GH3	216	AT3G47010.3.1	430	1.30E-34	98	216	4	145	0.546296296	Arabidopsis_thaliana	Plant	GH3_AT3G47010.3.1	Plant	Ath	Ath_AT3G47010.3.1	Ath_AT3G47010.3.1
GH3	216	AT3G47010.4.1	450	3.60E-72	3	216	88	323	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT3G47010.4.1	Plant	Ath	Ath_AT3G47010.4.1	Ath_AT3G47010.4.1
GH3	216	AT3G47040.1.1	636	4.80E-73	3	216	87	347	0.986							

CE8	288	AT3G47400.1.1	594	1.40E-101	2	287	281	578	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT3G47400.1.1	Plant	Ath	Ath_AT3G47400.1.1	Ath_AT3G47400.1.1
GH19	231	AT3G47540.1.1	214	1.10E-43	4	231	29	214	0.982683983	Arabidopsis_thaliana	Plant	GH19_AT3G47540.1.1	Plant	Ath	Ath_AT3G47540.1.1	Ath_AT3G47540.1.1
GH19	231	AT3G47540.2.1	283	3.30E-41	4	228	29	211	0.96969697	Arabidopsis_thaliana	Plant	GH19_AT3G47540.2.1	Plant	Ath	Ath_AT3G47540.2.1	Ath_AT3G47540.2.1
CE1	227	AT3G47560.1.1	265	0.0000015	26	216	32	244	0.837004405	Arabidopsis_thaliana	Plant	CE1_AT3G47560.1.1	Plant	Ath	Ath_AT3G47560.1.1	Ath_AT3G47560.1.1
CE1	227	AT3G47560.3.1	291	0.0000046	26	216	32	270	0.837004405	Arabidopsis_thaliana	Plant	CE1_AT3G47560.3.1	Plant	Ath	Ath_AT3G47560.3.1	Ath_AT3G47560.3.1
CE1	227	AT3G47560.4.1	201	0.0000022	26	216	68	280	0.837004405	Arabidopsis_thaliana	Plant	CE1_AT3G47560.4.1	Plant	Ath	Ath_AT3G47560.4.1	Ath_AT3G47560.4.1
CE1	227	AT3G47560.5.1	292	0.0000042	27	216	33	271	0.832599119	Arabidopsis_thaliana	Plant	CE1_AT3G47560.5.1	Plant	Ath	Ath_AT3G47560.5.1	Ath_AT3G47560.5.1
AA7	458	AT3G47930.1.1	610	5.10E-15	12	186	120	293	0.379912664	Arabidopsis_thaliana	Plant	AA7_AT3G47930.1.1	Plant	Ath	Ath_AT3G47930.1.1	Ath_AT3G47930.1.1
AA7	458	AT3G47930.2.1	565	4.30E-15	12	186	120	293	0.379912664	Arabidopsis_thaliana	Plant	AA7_AT3G47930.2.1	Plant	Ath	Ath_AT3G47930.2.1	Ath_AT3G47930.2.1
CE16	267	AT3G48460.1.1	381	2.60E-19	3	265	41	359	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT3G48460.1.1	Plant	Ath	Ath_AT3G48460.1.1	Ath_AT3G48460.1.1
GH16	189	AT3G48580.1.1	277	7.60E-21	24	176	35	213	0.804232804	Arabidopsis_thaliana	Plant	GH16_AT3G48580.1.1	Plant	Ath	Ath_AT3G48580.1.1	Ath_AT3G48580.1.1
GH16	189	AT3G48580.2.1	257	4.30E-09	24	176	35	193	0.804232804	Arabidopsis_thaliana	Plant	GH16_AT3G48580.2.1	Plant	Ath	Ath_AT3G48580.2.1	Ath_AT3G48580.2.1
GH16	189	AT3G48580.3.1	218	1.60E-18	56	176	8	156	0.634920635	Arabidopsis_thaliana	Plant	GH16_AT3G48580.3.1	Plant	Ath	Ath_AT3G48580.3.1	Ath_AT3G48580.3.1
CE10	341	AT3G48690.1.1	324	8.10E-62	39	333	12	320	0.862170088	Arabidopsis_thaliana	Plant	CE10_AT3G48690.1.1	Plant	Ath	Ath_AT3G48690.1.1	Ath_AT3G48690.1.1
CE10	341	AT3G48700.1.1	329	1.30E-60	54	334	27	326	0.821111437	Arabidopsis_thaliana	Plant	CE10_AT3G48700.1.1	Plant	Ath	Ath_AT3G48700.1.1	Ath_AT3G48700.1.1
GT29	247	AT3G48820.1.1	440	7.20E-43	5	246	144	344	0.975708502	Arabidopsis_thaliana	Plant	GT29_AT3G48820.1.1	Plant	Ath	Ath_AT3G48820.1.1	Ath_AT3G48820.1.1
GT29	247	AT3G48820.2.1	431	6.80E-43	5	246	135	335	0.975708502	Arabidopsis_thaliana	Plant	GT29_AT3G48820.2.1	Plant	Ath	Ath_AT3G48820.2.1	Ath_AT3G48820.2.1
GH28	325	AT3G48950.1.1	469	2.70E-82	6	322	73	425	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT3G48950.1.1	Plant	Ath	Ath_AT3G48950.1.1	Ath_AT3G48950.1.1
GT90	250	AT3G48980.1.1	539	4.80E-78	1	250	208	456	0.996	Arabidopsis_thaliana	Plant	GT90_AT3G48980.1.1	Plant	Ath	Ath_AT3G48980.1.1	Ath_AT3G48980.1.1
GT90	250	AT3G48980.2.1	545	5.00E-78	1	250	214	462	0.996	Arabidopsis_thaliana	Plant	GT90_AT3G48980.2.1	Plant	Ath	Ath_AT3G48980.2.1	Ath_AT3G48980.2.1
AA2	255	AT3G49110.1.1	354	1.60E-55	4	251	45	317	0.968627451	Arabidopsis_thaliana	Plant	AA2_AT3G49110.1.1	Plant	Ath	Ath_AT3G49110.1.1	Ath_AT3G49110.1.1
AA2	255	AT3G49120.1.1	353	3.40E-55	3	251	43	316	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT3G49120.1.1	Plant	Ath	Ath_AT3G49120.1.1	Ath_AT3G49120.1.1
CE8	288	AT3G49220.1.1	589	2.50E-104	1	287	284	580	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G49220.1.1	Plant	Ath	Ath_AT3G49220.1.1	Ath_AT3G49220.1.1
CE8	288	AT3G49220.3.1	643	3.00E-104	1	287	329	625	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G49220.3.1	Plant	Ath	Ath_AT3G49220.3.1	Ath_AT3G49220.3.1
GH43	248	AT3G49880.1.1	466	3.30E-29	23	211	159	383	0.758064516	Arabidopsis_thaliana	Plant	GH43_AT3G49880.1.1	Plant	Ath	Ath_AT3G49880.1.1	Ath_AT3G49880.1.1
AA2	255	AT3G49960.1.1	329	1.30E-52	4	254	39	313	0.980392157	Arabidopsis_thaliana	Plant	AA2_AT3G49960.1.1	Plant	Ath	Ath_AT3G49960.1.1	Ath_AT3G49960.1.1
CE16	267	AT3G50400.1.1	374	1.10E-23	4	266	38	355	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT3G50400.1.1	Plant	Ath	Ath_AT3G50400.1.1	Ath_AT3G50400.1.1
GT1	382	AT3G50740.1.1	487	1.10E-36	207	362	244	449	0.405759162	Arabidopsis_thaliana	Plant	GT1_AT3G50740.1.1	Plant	Ath	Ath_AT3G50740.1.1	Ath_AT3G50740.1.1
GT8	257	AT3G50760.1.1	341	1.10E-46	28	255	51	313	0.883268483	Arabidopsis_thaliana	Plant	GT8_AT3G50760.1.1	Plant	Ath	Ath_AT3G50760.1.1	Ath_AT3G50760.1.1
AA2	255	AT3G50990.1.1	344	4.40E-58	17	252	67	323	0.921568628	Arabidopsis_thaliana	Plant	AA2_AT3G50990.1.1	Plant	Ath	Ath_AT3G50990.1.1	Ath_AT3G50990.1.1
CE1	227	AT3G51000.1.1	323	0.000000012	23	161	24	174	0.607929515	Arabidopsis_thaliana	Plant	CE1_AT3G51000.1.1	Plant	Ath	Ath_AT3G51000.1.1	Ath_AT3G51000.1.1
CBM57	147	AT3G51550.1.1	895	3.50E-13	4	138	38	178	0.911564626	Arabidopsis_thaliana	Plant	CBM57_AT3G51550.1.1	Plant	Ath	Ath_AT3G51550.1.1	Ath_AT3G51550.1.1
CBM57	147	AT3G51550.1.1	895	1.80E-10	1	127	226	375	0.857142857	Arabidopsis_thaliana	Plant	CBM57_AT3G51550.1.1	Plant	Ath	Ath_AT3G51550.1.1	Ath_AT3G51550.1.1
GT14	250	AT3G52060.1.1	346	2.80E-13	28	247	105	302	0.876	Arabidopsis_thaliana	Plant	GT14_AT3G52060.1.1	Plant	Ath	Ath_AT3G52060.1.1	Ath_AT3G52060.1.1
CBM48	76	AT3G52180.1.1	379	0.0000085	19	69	265	344	0.657894737	Arabidopsis_thaliana	Plant	CBM48_AT3G52180.1.1	Plant	Ath	Ath_AT3G52180.1.1	Ath_AT3G52180.1.1
CBM48	76	AT3G52180.4.1	284	0.00005	19	69	170	249	0.657894737	Arabidopsis_thaliana	Plant	CBM48_AT3G52180.4.1	Plant	Ath	Ath_AT3G52180.4.1	Ath_AT3G52180.4.1
GH32	293	AT3G52600.1.1	590	2.90E-86	1	293	52	371	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT3G52600.1.1	Plant	Ath	Ath_AT3G52600.1.1	Ath_AT3G52600.1.1
GH32	293	AT3G52600.2.1	524	4.90E-77	17	293	2	305	0.941979522	Arabidopsis_thaliana	Plant	GH32_AT3G52600.2.1	Plant	Ath	Ath_AT3G52600.2.1	Ath_AT3G52600.2.1
GH32	293	AT3G52600.3.1	536	2.90E-80	10	293	7	317	0.965870307	Arabidopsis_thaliana	Plant	GH32_AT3G52600.3.1	Plant	Ath	Ath_AT3G52600.3.1	Ath_AT3G52600.3.1
CBM50	40	AT3G52790.1.1	109	0.0000033	1	39	64	105	0.95	Arabidopsis_thaliana	Plant	CBM50_AT3G52790.1.1	Plant	Ath	Ath_AT3G52790.1.1	Ath_AT3G52790.1.1
GH35	307	AT3G52840.1.1	727	6.00E-117	1	306	36	338	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT3G52840.1.1	Plant	Ath	Ath_AT3G52840.1.1	Ath_AT3G52840.1.1
GH35	307	AT3G52840.2.1	781	7.10E-117	1	306	90	392	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT3G52840.2.1	Plant	Ath	Ath_AT3G52840.2.1	Ath_AT3G52840.2.1
CE6	99	AT3G53010.1.1	297	5.60E-25	1	98	100	193	0.979797979	Arabidopsis_thaliana	Plant	CE6_AT3G53010.1.1	Plant	Ath	Ath_AT3G53010.1.1	Ath_AT3G53010.1.1
CE16	267	AT3G53100.1.1	351	4.60E-18	55	266	104	342	0.790262172	Arabidopsis_thaliana	Plant	CE16_AT3G53100.1.1	Plant	Ath	Ath_AT3G53100.1.1	Ath_AT3G53100.1.1
GT1	382	AT3G53150.1.1	516	1.30E-31	173	350	267	460	0.463350785	Arabidopsis_thaliana	Plant	GT1_AT3G53150.1.1	Plant	Ath	Ath_AT3G53150.1.1	Ath_AT3G53150.1.1
GT1	382	AT3G53160.1.1	490	5.40E-32	183	365	261	455	0.476439791	Arabidopsis_thaliana	Plant	GT1_AT3G53160.1.1	Plant	Ath	Ath_AT3G53160.1.1	Ath_AT3G53160.1.1
PL1	202	AT3G53190.1.1	483	4.30E-61	19	200	143	341	0.896039604	Arabidopsis_thaliana	Plant	PL1_AT3G53190.1.1	Plant	Ath	Ath_AT3G53190.1.1	Ath_AT3G53190.1.1
AA5	1281	AT3G53950.1.1	545	9.80E-107	559	1024	31	543	0.362997658	Arabidopsis_thaliana	Plant	AA5_AT3G53950.1.1	Plant	Ath	Ath_AT3G53950.1.1	Ath_AT3G53950.1.1
CE1	227	AT3G54240.1.1	350	0.0000003	56	211	97	331	0.682819383	Arabidopsis_thaliana	Plant	CE1_AT3G54240.1.1	Plant	Ath	Ath_AT3G54240.1.1	Ath_AT3G54240.1.1
CBM18	38	AT3G54420.1.1	273	1.70E-10	5	38	27	61	0.868421053	Arabidopsis_thaliana	Plant	CBM18_AT3G54420.1.1	Plant	Ath	Ath_AT3G54420.1.1	Ath_AT3G54420.1.1
GH19	231	AT3G54420.1.1	273	9.10E-75	5	231	72	273	0.978354978	Arabidopsis_thaliana	Plant	GH19_AT3G54420.1.1	Plant	Ath	Ath_AT3G54420.1.1	Ath_AT3G54420.1.1
GH2	752	AT3G54440.1.1	1107	1.20E-211	29	751	87	973	0.960106383	Arabidopsis_thaliana	Plant	GH2_AT3G54440.1.1	Plant	Ath	Ath_AT3G54440.1.1	Ath_AT3G54440.1.1
GH2	752	AT3G54440.2.1	1108	1.20E-211	29	751	87	973	0.960106383	Arabidopsis_thaliana	Plant	GH2_AT3G54440.2.1	Plant	Ath	Ath_AT3G54440.2.1	Ath_AT3G54440.2.1
GH2	752	AT3G54440.3.1	1120	1.20E-211	29	751	100	986	0.960106383	Arabidopsis_thaliana	Plant	GH2_AT3G54440.3.1	Plant	Ath	Ath_AT3G54440.3.1	Ath_AT3G54440.3.1
PL1	202	AT3G54920.1.1	501	5.50E-61	18	201	148	339	0.905940594	Arabidopsis_thaliana	Plant	PL1_AT3G54920.1.1	Plant	Ath	Ath_AT3G54920.1.1	Ath_AT3G54920.1.1
PL1	202	AT3G55140.1.1	331	3.70E-58	20	200	62	240	0.891089109	Arabidopsis_thaliana	Plant	PL1_AT3G55140.1.1	Plant	Ath	Ath_AT3G55140.1.1	Ath_AT3G55140.1.1
PL1	202	AT3G55140.2.1	307	3.00E-58	20	200	38	216	0.891089109	Arabidopsis_thaliana	Plant	PL1_AT3G55140.2.1	Plant	Ath	Ath_AT3G55140.2.1	Ath_AT3G55140.2.1
CE1	227	AT3G55180.1.1	312	0.000000054	22	143	27	187	0.533039648	Arabidopsis_thaliana	Plant	CE1_AT3G55180.1.1	Plant	Ath	Ath_AT3G55180.1.1	Ath_AT3G55180.1.1
CE1	227	AT3G55190.1.1	319	0.000000043	27	143	37	187	0.511013216	Arabidopsis_thaliana	Plant	CE1_AT3G55190.1.1	Plant	Ath	Ath_AT3G55190.1.1	Ath_AT3G55190.1.1
GH20	337	AT3G55260.1.1	541	4.70E-94	6	336	178	489	0.979228487	Arabidopsis_thaliana	Plant	GH20_AT3G55260.1.1	Plant	Ath	Ath_AT3G55260.1.1	Ath_AT3G55260.1.1
CBM43	83	AT3G55430.1.1	449	1.60E-31	1	83	366	448	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G55430.1.1	Plant	Ath	Ath_AT3G55430.1.1	Ath_AT3G55430.1.1
GH17	311	AT3G55430.1.1	449	3.00E-101	1	309	29	341	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT3G55430.1.1	Plant	Ath	Ath_AT3G55430.1.1	Ath_AT3G55430.1.1
GT1	382	AT3G55700.1.1	460	2.20E-34	192	363	248	428	0.447643979	Arabidopsis_thaliana	Plant	GT1_AT3G55700.1.1	Plant	Ath	Ath_AT3G55700.1.1	Ath_AT3G55700.1.1
GT1	382	AT3G55710.1.1	464	2.20E-32	208	352	246	420	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT3G55710.1.1	Plant	Ath	Ath_AT3G55710.1.1	Ath_AT3G55710.1.1
GH17	311	AT3G55780.1.1	380	1.10E-81	1	311	31	353	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT3G55780.1.1	Plant	Ath	Ath_AT3G55780.1.1	Ath_AT3G55780.1.1
GT64	248	AT3G55830.1.1	334	9.50E-85	1	2										

GH17	311	AT3G57270.1.1	340	1.40E-119	1	311	27	339	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT3G57270.1.1	Plant	Ath	Ath_AT3G57270.1.1	Ath_AT3G57270.1.1
GT61	242	AT3G57380.1.1	504	1.10E-92	2	241	97	354	0.987603306	Arabidopsis_thaliana	Plant	GT61_AT3G57380.1.1	Plant	Ath	Ath_AT3G57380.1.1	Ath_AT3G57380.1.1
GT61	242	AT3G57380.2.1	396	7.30E-87	14	241	1	246	0.938016529	Arabidopsis_thaliana	Plant	GT61_AT3G57380.2.1	Plant	Ath	Ath_AT3G57380.2.1	Ath_AT3G57380.2.1
GT61	242	AT3G57380.3.1	396	7.30E-87	14	241	1	246	0.938016529	Arabidopsis_thaliana	Plant	GT61_AT3G57380.3.1	Plant	Ath	Ath_AT3G57380.3.1	Ath_AT3G57380.3.1
GT75	343	AT3G57420.1.1	765	0.000000018	61	262	166	380	0.586005831	Arabidopsis_thaliana	Plant	GT75_AT3G57420.1.1	Plant	Ath	Ath_AT3G57420.1.1	Ath_AT3G57420.1.1
GH28	325	AT3G57510.1.1	431	3.30E-96	5	321	92	419	0.972307692	Arabidopsis_thaliana	Plant	GH28_AT3G57510.1.1	Plant	Ath	Ath_AT3G57510.1.1	Ath_AT3G57510.1.1
AA5	1281	AT3G57620.1.1	547	4.40E-117	562	1025	36	547	0.361436378	Arabidopsis_thaliana	Plant	AA5_AT3G57620.1.1	Plant	Ath	Ath_AT3G57620.1.1	Ath_AT3G57620.1.1
GT47	296	AT3G57630.1.1	793	1.40E-76	2	295	345	698	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G57630.1.1	Plant	Ath	Ath_AT3G57630.1.1	Ath_AT3G57630.1.1
GT47	296	AT3G57630.2.1	791	1.40E-76	2	295	343	696	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G57630.2.1	Plant	Ath	Ath_AT3G57630.2.1	Ath_AT3G57630.2.1
GT47	296	AT3G57630.3.1	793	1.40E-76	2	295	345	698	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT3G57630.3.1	Plant	Ath	Ath_AT3G57630.3.1	Ath_AT3G57630.3.1
GH28	325	AT3G57790.1.1	490	4.40E-59	14	308	73	394	0.904615385	Arabidopsis_thaliana	Plant	GH28_AT3G57790.1.1	Plant	Ath	Ath_AT3G57790.1.1	Ath_AT3G57790.1.1
GH28	325	AT3G57790.2.1	490	4.40E-59	14	308	73	394	0.904615385	Arabidopsis_thaliana	Plant	GH28_AT3G57790.2.1	Plant	Ath	Ath_AT3G57790.2.1	Ath_AT3G57790.2.1
CBM43	83	AT3G58100.1.1	180	2.30E-29	1	83	41	124	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G58100.1.1	Plant	Ath	Ath_AT3G58100.1.1	Ath_AT3G58100.1.1
CBM43	83	AT3G58100.2.1	256	5.20E-29	1	83	117	200	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT3G58100.2.1	Plant	Ath	Ath_AT3G58100.2.1	Ath_AT3G58100.2.1
CE14	124	AT3G58130.1.1	257	3.00E-14	1	123	46	157	0.983870968	Arabidopsis_thaliana	Plant	CE14_AT3G58130.1.1	Plant	Ath	Ath_AT3G58130.1.1	Ath_AT3G58130.1.1
CE14	124	AT3G58130.2.1	257	3.00E-14	1	123	46	157	0.983870968	Arabidopsis_thaliana	Plant	CE14_AT3G58130.2.1	Plant	Ath	Ath_AT3G58130.2.1	Ath_AT3G58130.2.1
GT8	257	AT3G58790.1.1	540	9.10E-56	1	256	182	513	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT3G58790.1.1	Plant	Ath	Ath_AT3G58790.1.1	Ath_AT3G58790.1.1
GT8	257	AT3G58790.2.1	408	3.80E-56	1	256	50	381	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT3G58790.2.1	Plant	Ath	Ath_AT3G58790.2.1	Ath_AT3G58790.2.1
CE8	288	AT3G59010.1.1	529	6.00E-108	2	288	229	513	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G59010.1.1	Plant	Ath	Ath_AT3G59010.1.1	Ath_AT3G59010.1.1
GT48	739	AT3G59100.1.1	1921	0	2	728	1040	1773	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT3G59100.1.1	Plant	Ath	Ath_AT3G59100.1.1	Ath_AT3G59100.1.1
GT48	739	AT3G59100.2.1	1624	0	2	728	743	1476	0.98240866	Arabidopsis_thaliana	Plant	GT48_AT3G59100.2.1	Plant	Ath	Ath_AT3G59100.2.1	Ath_AT3G59100.2.1
GH28	325	AT3G59850.1.1	388	3.40E-95	6	320	48	374	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT3G59850.1.1	Plant	Ath	Ath_AT3G59850.1.1	Ath_AT3G59850.1.1
GH28	325	AT3G59850.2.1	432	4.90E-95	6	320	92	418	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT3G59850.2.1	Plant	Ath	Ath_AT3G59850.2.1	Ath_AT3G59850.2.1
GH1	429	AT3G60120.1.1	540	1.80E-164	2	427	16	492	0.990675991	Arabidopsis_thaliana	Plant	GH1_AT3G60120.1.1	Plant	Ath	Ath_AT3G60120.1.1	Ath_AT3G60120.1.1
GH1	429	AT3G60130.1.1	514	3.50E-169	2	425	32	501	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT3G60130.1.1	Plant	Ath	Ath_AT3G60130.1.1	Ath_AT3G60130.1.1
GH1	429	AT3G60130.2.1	462	2.40E-140	58	425	37	449	0.855477856	Arabidopsis_thaliana	Plant	GH1_AT3G60130.2.1	Plant	Ath	Ath_AT3G60130.2.1	Ath_AT3G60130.2.1
GH1	429	AT3G60130.3.1	451	9.00E-139	58	425	37	438	0.855477856	Arabidopsis_thaliana	Plant	GH1_AT3G60130.3.1	Plant	Ath	Ath_AT3G60130.3.1	Ath_AT3G60130.3.1
GH1	429	AT3G60140.1.1	577	2.80E-170	3	426	29	504	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT3G60140.1.1	Plant	Ath	Ath_AT3G60140.1.1	Ath_AT3G60140.1.1
GH1	429	AT3G60140.2.1	458	1.90E-131	3	341	29	413	0.787878788	Arabidopsis_thaliana	Plant	GH1_AT3G60140.2.1	Plant	Ath	Ath_AT3G60140.2.1	Ath_AT3G60140.2.1
CE8	288	AT3G60730.1.1	519	2.40E-111	2	288	206	504	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT3G60730.1.1	Plant	Ath	Ath_AT3G60730.1.1	Ath_AT3G60730.1.1
GT92	279	AT3G60990.1.1	102	7.90E-22	93	195	2	99	0.365591398	Arabidopsis_thaliana	Plant	GT92_AT3G60990.1.1	Plant	Ath	Ath_AT3G60990.1.1	Ath_AT3G60990.1.1
GT8	257	AT3G61130.1.1	673	1.00E-62	1	256	334	646	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT3G61130.1.1	Plant	Ath	Ath_AT3G61130.1.1	Ath_AT3G61130.1.1
GT90	250	AT3G61270.1.1	498	1.60E-74	1	250	169	416	0.996	Arabidopsis_thaliana	Plant	GT90_AT3G61270.1.1	Plant	Ath	Ath_AT3G61270.1.1	Ath_AT3G61270.1.1
GT90	250	AT3G61270.2.1	379	7.80E-75	1	250	50	297	0.996	Arabidopsis_thaliana	Plant	GT90_AT3G61270.2.1	Plant	Ath	Ath_AT3G61270.2.1	Ath_AT3G61270.2.1
GT90	250	AT3G61280.1.1	536	7.50E-72	2	249	204	452	0.988	Arabidopsis_thaliana	Plant	GT90_AT3G61280.1.1	Plant	Ath	Ath_AT3G61280.1.1	Ath_AT3G61280.1.1
GT90	250	AT3G61280.2.1	378	2.00E-30	2	148	204	350	0.584	Arabidopsis_thaliana	Plant	GT90_AT3G61280.2.1	Plant	Ath	Ath_AT3G61280.2.1	Ath_AT3G61280.2.1
GT90	250	AT3G61290.1.1	455	5.60E-70	1	249	116	366	0.992	Arabidopsis_thaliana	Plant	GT90_AT3G61290.1.1	Plant	Ath	Ath_AT3G61290.1.1	Ath_AT3G61290.1.1
GH28	325	AT3G61490.1.1	476	2.60E-77	9	322	75	424	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G61490.1.1	Plant	Ath	Ath_AT3G61490.1.1	Ath_AT3G61490.1.1
GH28	325	AT3G61490.2.1	476	2.60E-77	9	322	75	424	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G61490.2.1	Plant	Ath	Ath_AT3G61490.2.1	Ath_AT3G61490.2.1
GH28	325	AT3G61490.3.1	476	2.60E-77	9	322	75	424	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G61490.3.1	Plant	Ath	Ath_AT3G61490.3.1	Ath_AT3G61490.3.1
GH28	325	AT3G61490.4.1	589	5.00E-77	9	322	188	537	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G61490.4.1	Plant	Ath	Ath_AT3G61490.4.1	Ath_AT3G61490.4.1
GH28	325	AT3G61490.5.1	491	2.90E-77	9	322	90	439	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G61490.5.1	Plant	Ath	Ath_AT3G61490.5.1	Ath_AT3G61490.5.1
GH17	311	AT3G61810.1.1	375	3.10E-104	1	311	55	371	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT3G61810.1.1	Plant	Ath	Ath_AT3G61810.1.1	Ath_AT3G61810.1.1
CE13	355	AT3G62060.1.1	419	4.00E-160	5	352	54	398	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT3G62060.1.1	Plant	Ath	Ath_AT3G62060.1.1	Ath_AT3G62060.1.1
CE13	355	AT3G62060.2.1	456	5.40E-160	5	352	54	398	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT3G62060.2.1	Plant	Ath	Ath_AT3G62060.2.1	Ath_AT3G62060.2.1
GH28	325	AT3G62110.1.1	471	1.20E-87	9	322	73	422	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G62110.1.1	Plant	Ath	Ath_AT3G62110.1.1	Ath_AT3G62110.1.1
GH28	325	AT3G62110.2.1	471	1.20E-87	9	322	73	422	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT3G62110.2.1	Plant	Ath	Ath_AT3G62110.2.1	Ath_AT3G62110.2.1
CE8	288	AT3G62170.1.1	588	1.50E-102	3	286	278	571	0.982638889	Arabidopsis_thaliana	Plant	CE8_AT3G62170.1.1	Plant	Ath	Ath_AT3G62170.1.1	Ath_AT3G62170.1.1
CE16	267	AT3G62280.1.1	365	2.90E-12	57	265	107	348	0.779026217	Arabidopsis_thaliana	Plant	CE16_AT3G62280.1.1	Plant	Ath	Ath_AT3G62280.1.1	Ath_AT3G62280.1.1
CE16	267	AT3G62280.2.1	297	6.20E-10	57	219	107	282	0.606741573	Arabidopsis_thaliana	Plant	CE16_AT3G62280.2.1	Plant	Ath	Ath_AT3G62280.2.1	Ath_AT3G62280.2.1
GT8	257	AT3G62660.1.1	361	5.90E-44	30	254	83	336	0.871595331	Arabidopsis_thaliana	Plant	GT8_AT3G62660.1.1	Plant	Ath	Ath_AT3G62660.1.1	Ath_AT3G62660.1.1
GH3	216	AT3G62710.1.1	650	6.00E-79	4	216	123	351	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT3G62710.1.1	Plant	Ath	Ath_AT3G62710.1.1	Ath_AT3G62710.1.1
GT34	246	AT3G62720.1.1	460	7.10E-81	1	243	148	387	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT3G62720.1.1	Plant	Ath	Ath_AT3G62720.1.1	Ath_AT3G62720.1.1
GT34	246	AT3G62720.2.1	460	7.10E-81	1	243	148	387	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT3G62720.2.1	Plant	Ath	Ath_AT3G62720.2.1	Ath_AT3G62720.2.1
GH1	429	AT3G62740.1.1	502	4.00E-150	2	424	25	478	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT3G62740.1.1	Plant	Ath	Ath_AT3G62740.1.1	Ath_AT3G62740.1.1
GH1	429	AT3G62740.2.1	424	9.70E-129	2	371	25	423	0.86013986	Arabidopsis_thaliana	Plant	GH1_AT3G62740.2.1	Plant	Ath	Ath_AT3G62740.2.1	Ath_AT3G62740.2.1
GH1	429	AT3G62750.1.1	497	1.40E-158	2	424	25	473	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT3G62750.1.1	Plant	Ath	Ath_AT3G62750.1.1	Ath_AT3G62750.1.1
GH1	429	AT3G62750.2.1	523	1.60E-158	2	424	51	499	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT3G62750.2.1	Plant	Ath	Ath_AT3G62750.2.1	Ath_AT3G62750.2.1
GH1	429	AT3G62750.3.1	436	2.40E-117	2	312	51	373	0.722610723	Arabidopsis_thaliana	Plant	GH1_AT3G62750.3.1	Plant	Ath	Ath_AT3G62750.3.1	Ath_AT3G62750.3.1
GH1	429	AT3G62750.4.1	461	4.70E-135	2	376	51	449	0.871794872	Arabidopsis_thaliana	Plant	GH1_AT3G62750.4.1	Plant	Ath	Ath_AT3G62750.4.1	Ath_AT3G62750.4.1
GH1	429	AT3G62750.5.1	412	3.70E-126	67	424	1	388	0.832167832	Arabidopsis_thaliana	Plant	GH1_AT3G62750.5.1	Plant	Ath	Ath_AT3G62750.5.1	Ath_AT3G62750.5.1
GH1	429	AT3G62750.6.1	412	3.70E-126	67	424	1	388	0.832167832	Arabidopsis_thaliana	Plant	GH1_AT3G62750.6.1	Plant	Ath	Ath_AT3G62750.6.1	Ath_AT3G62750.6.1
GH1	429	AT3G62750.7.1	369	1.00E-117	2	316	25	351	0.731934732	Arabidopsis_thaliana	Plant	GH1_AT3G62750.7.1	Plant	Ath	Ath_AT3G62750.7.1	Ath_AT3G62750.7.1
GH1	429	AT3G62750.8.1	369	1.00E-117	2	316	25	351	0.731934732	Arabidopsis_thaliana	Plant	GH1_AT3G62750.8.1	Plant	Ath	Ath_AT3G62750.8.1	Ath_AT3G62750.8.1
CE1	227	AT3G62860.1.1	348	0.000000016	14	190	27	220	0.775330397	Arabidopsis_thaliana	Plant	CE1_AT3G62860.1.1	Plant	Ath	Ath_AT3G62860.1.1	Ath_AT3G62860.1.1
CE10	341	AT3G62860.2.1	305	0.000000046	119	316	12	231	0.5777126							

CBM57	147	AT4G00300.1.1	478	2.10E-14	1	113	215	343	0.761904762	Arabidopsis_thaliana	Plant	CBM57_AT4G00300.1.1	Plant	Ath	Ath_AT4G00300.1.1	Ath_AT4G00300.1.1
GH14	412	AT4G00490.1.1	542	2.00E-180	1	411	98	515	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT4G00490.1.1	Plant	Ath	Ath_AT4G00490.1.1	Ath_AT4G00490.1.1
GT4	160	AT4G00550.1.1	473	2.10E-18	5	117	226	334	0.7	Arabidopsis_thaliana	Plant	GT4_AT4G00550.1.1	Plant	Ath	Ath_AT4G00550.1.1	Ath_AT4G00550.1.1
GT4	160	AT4G00550.2.1	473	2.10E-18	5	117	226	334	0.7	Arabidopsis_thaliana	Plant	GT4_AT4G00550.2.1	Plant	Ath	Ath_AT4G00550.2.1	Ath_AT4G00550.2.1
GH18	296	AT4G01040.1.1	430	2.10E-27	4	279	102	421	0.929054054	Arabidopsis_thaliana	Plant	GH18_AT4G01040.1.1	Plant	Ath	Ath_AT4G01040.1.1	Ath_AT4G01040.1.1
GH18	296	AT4G01040.2.1	428	3.90E-27	4	279	102	419	0.929054054	Arabidopsis_thaliana	Plant	GH18_AT4G01040.2.1	Plant	Ath	Ath_AT4G01040.2.1	Ath_AT4G01040.2.1
GT1	382	AT4G01070.1.1	480	6.80E-32	207	368	230	443	0.421465969	Arabidopsis_thaliana	Plant	GT1_AT4G01070.1.1	Plant	Ath	Ath_AT4G01070.1.1	Ath_AT4G01070.1.1
CE16	267	AT4G01130.1.1	382	8.10E-22	2	263	36	361	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT4G01130.1.1	Plant	Ath	Ath_AT4G01130.1.1	Ath_AT4G01130.1.1
CE16	267	AT4G01130.2.1	332	8.50E-20	2	236	36	306	0.876404494	Arabidopsis_thaliana	Plant	CE16_AT4G01130.2.1	Plant	Ath	Ath_AT4G01130.2.1	Ath_AT4G01130.2.1
CE16	267	AT4G01130.3.1	296	3.00E-20	84	263	50	275	0.670411985	Arabidopsis_thaliana	Plant	CE16_AT4G01130.3.1	Plant	Ath	Ath_AT4G01130.3.1	Ath_AT4G01130.3.1
GT4	160	AT4G01210.1.1	1031	0.0000001	38	153	365	484	0.71875	Arabidopsis_thaliana	Plant	GT4_AT4G01210.1.1	Plant	Ath	Ath_AT4G01210.1.1	Ath_AT4G01210.1.1
GT77	216	AT4G01220.1.1	360	7.00E-54	2	216	122	339	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT4G01220.1.1	Plant	Ath	Ath_AT4G01220.1.1	Ath_AT4G01220.1.1
GT77	216	AT4G01220.2.1	299	1.00E-41	2	161	122	287	0.736111111	Arabidopsis_thaliana	Plant	GT77_AT4G01220.2.1	Plant	Ath	Ath_AT4G01220.2.1	Ath_AT4G01220.2.1
GH19	231	AT4G01700.1.1	280	5.50E-90	6	231	39	273	0.974025974	Arabidopsis_thaliana	Plant	GH19_AT4G01700.1.1	Plant	Ath	Ath_AT4G01700.1.1	Ath_AT4G01700.1.1
GT77	216	AT4G01750.1.1	367	1.00E-50	3	216	128	346	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT4G01750.1.1	Plant	Ath	Ath_AT4G01750.1.1	Ath_AT4G01750.1.1
GT77	216	AT4G01770.1.1	361	3.40E-51	2	216	121	340	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT4G01770.1.1	Plant	Ath	Ath_AT4G01770.1.1	Ath_AT4G01770.1.1
GT77	216	AT4G01770.2.1	367	5.00E-39	2	164	121	291	0.75	Arabidopsis_thaliana	Plant	GT77_AT4G01770.2.1	Plant	Ath	Ath_AT4G01770.2.1	Ath_AT4G01770.2.1
GH28	325	AT4G01890.1.1	467	3.00E-88	6	307	93	421	0.926153846	Arabidopsis_thaliana	Plant	GH28_AT4G01890.1.1	Plant	Ath	Ath_AT4G01890.1.1	Ath_AT4G01890.1.1
GH55	740	AT4G01890.1.1	467	0.00016	25	409	52	101	0.518918919	Arabidopsis_thaliana	Plant	GH55_AT4G01890.1.1	Plant	Ath	Ath_AT4G01890.1.1	Ath_AT4G01890.1.1
GT8	257	AT4G02130.1.1	346	1.40E-43	30	254	66	322	0.871595331	Arabidopsis_thaliana	Plant	GT8_AT4G02130.1.1	Plant	Ath	Ath_AT4G02130.1.1	Ath_AT4G02130.1.1
GT8	257	AT4G02130.2.1	346	1.40E-43	30	254	66	322	0.871595331	Arabidopsis_thaliana	Plant	GT8_AT4G02130.2.1	Plant	Ath	Ath_AT4G02130.2.1	Ath_AT4G02130.2.1
GT8	257	AT4G02130.3.1	346	1.40E-43	30	254	66	322	0.871595331	Arabidopsis_thaliana	Plant	GT8_AT4G02130.3.1	Plant	Ath	Ath_AT4G02130.3.1	Ath_AT4G02130.3.1
GT4	160	AT4G02280.1.1	809	1.80E-43	4	157	567	737	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G02280.1.1	Plant	Ath	Ath_AT4G02280.1.1	Ath_AT4G02280.1.1
GH9	418	AT4G02290.1.1	516	6.00E-140	1	418	52	507	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G02290.1.1	Plant	Ath	Ath_AT4G02290.1.1	Ath_AT4G02290.1.1
GH9	418	AT4G02290.2.1	404	1.60E-110	61	418	1	395	0.854066986	Arabidopsis_thaliana	Plant	GH9_AT4G02290.2.1	Plant	Ath	Ath_AT4G02290.2.1	Ath_AT4G02290.2.1
CE8	288	AT4G02300.1.1	532	7.60E-103	2	288	222	517	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G02300.1.1	Plant	Ath	Ath_AT4G02300.1.1	Ath_AT4G02300.1.1
CE8	288	AT4G02320.1.1	518	7.80E-104	2	288	208	503	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G02320.1.1	Plant	Ath	Ath_AT4G02320.1.1	Ath_AT4G02320.1.1
CE8	288	AT4G02330.1.1	573	9.60E-112	2	286	259	554	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT4G02330.1.1	Plant	Ath	Ath_AT4G02330.1.1	Ath_AT4G02330.1.1
GT34	246	AT4G02500.1.1	461	5.50E-80	1	243	149	388	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT4G02500.1.1	Plant	Ath	Ath_AT4G02500.1.1	Ath_AT4G02500.1.1
GH16	189	AT4G03210.1.1	290	9.80E-22	38	185	50	206	0.777777778	Arabidopsis_thaliana	Plant	GH16_AT4G03210.1.1	Plant	Ath	Ath_AT4G03210.1.1	Ath_AT4G03210.1.1
GH16	189	AT4G03210.2.1	262	5.00E-21	35	185	20	178	0.793650794	Arabidopsis_thaliana	Plant	GH16_AT4G03210.2.1	Plant	Ath	Ath_AT4G03210.2.1	Ath_AT4G03210.2.1
GT14	250	AT4G03340.1.1	448	4.00E-88	1	249	104	360	0.992	Arabidopsis_thaliana	Plant	GT14_AT4G03340.1.1	Plant	Ath	Ath_AT4G03340.1.1	Ath_AT4G03340.1.1
GT14	250	AT4G03340.2.1	425	2.60E-71	1	249	104	337	0.992	Arabidopsis_thaliana	Plant	GT14_AT4G03340.2.1	Plant	Ath	Ath_AT4G03340.2.1	Ath_AT4G03340.2.1
GT48	739	AT4G03550.1.1	1780	0	2	730	877	1636	0.98511502	Arabidopsis_thaliana	Plant	GT48_AT4G03550.1.1	Plant	Ath	Ath_AT4G03550.1.1	Ath_AT4G03550.1.1
CE8	288	AT4G03930.1.1	524	2.30E-109	1	287	215	508	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G03930.1.1	Plant	Ath	Ath_AT4G03930.1.1	Ath_AT4G03930.1.1
GT48	739	AT4G04970.1.1	1768	0	2	727	871	1625	0.98105548	Arabidopsis_thaliana	Plant	GT48_AT4G04970.1.1	Plant	Ath	Ath_AT4G04970.1.1	Ath_AT4G04970.1.1
CBM43	83	AT4G05430.1.1	143	4.00E-31	1	83	23	106	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G05430.1.1	Plant	Ath	Ath_AT4G05430.1.1	Ath_AT4G05430.1.1
CBM43	83	AT4G05430.2.1	127	3.20E-29	1	78	48	126	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT4G05430.2.1	Plant	Ath	Ath_AT4G05430.2.1	Ath_AT4G05430.2.1
CBM43	83	AT4G05430.3.1	168	6.20E-31	1	83	48	131	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G05430.3.1	Plant	Ath	Ath_AT4G05430.3.1	Ath_AT4G05430.3.1
GT2	168	AT4G07960.1.1	699	7.90E-29	2	167	245	421	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT4G07960.1.1	Plant	Ath	Ath_AT4G07960.1.1	Ath_AT4G07960.1.1
GT2	168	AT4G07960.2.1	699	7.90E-29	2	167	245	421	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT4G07960.2.1	Plant	Ath	Ath_AT4G07960.2.1	Ath_AT4G07960.2.1
CBM22	131	AT4G08160.1.1	752	1.10E-37	1	131	197	344	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT4G08160.1.1	Plant	Ath	Ath_AT4G08160.1.1	Ath_AT4G08160.1.1
CBM22	131	AT4G08160.1.1	752	2.70E-29	2	131	27	162	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT4G08160.1.1	Plant	Ath	Ath_AT4G08160.1.1	Ath_AT4G08160.1.1
GH10	303	AT4G08160.1.1	752	1.00E-65	6	296	404	685	0.95709571	Arabidopsis_thaliana	Plant	GH10_AT4G08160.1.1	Plant	Ath	Ath_AT4G08160.1.1	Ath_AT4G08160.1.1
CBM22	131	AT4G08160.2.1	661	9.10E-38	1	131	197	344	0.992366412	Arabidopsis_thaliana	Plant	CBM22_AT4G08160.2.1	Plant	Ath	Ath_AT4G08160.2.1	Ath_AT4G08160.2.1
CBM22	131	AT4G08160.2.1	661	2.20E-29	2	131	27	162	0.984732824	Arabidopsis_thaliana	Plant	CBM22_AT4G08160.2.1	Plant	Ath	Ath_AT4G08160.2.1	Ath_AT4G08160.2.1
GH10	303	AT4G08160.2.1	661	5.20E-60	6	263	404	657	0.848184819	Arabidopsis_thaliana	Plant	GH10_AT4G08160.2.1	Plant	Ath	Ath_AT4G08160.2.1	Ath_AT4G08160.2.1
AA2	255	AT4G08390.1.1	372	5.70E-52	17	254	119	362	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT4G08390.1.1	Plant	Ath	Ath_AT4G08390.1.1	Ath_AT4G08390.1.1
AA2	255	AT4G08390.2.1	372	5.70E-52	17	254	119	362	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT4G08390.2.1	Plant	Ath	Ath_AT4G08390.2.1	Ath_AT4G08390.2.1
AA2	255	AT4G08390.3.1	371	5.70E-52	17	254	118	361	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT4G08390.3.1	Plant	Ath	Ath_AT4G08390.3.1	Ath_AT4G08390.3.1
AA2	255	AT4G08390.4.1	346	1.20E-43	17	161	119	270	0.564705882	Arabidopsis_thaliana	Plant	AA2_AT4G08390.4.1	Plant	Ath	Ath_AT4G08390.4.1	Ath_AT4G08390.4.1
AA2	255	AT4G08390.5.1	372	5.70E-52	17	254	119	362	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT4G08390.5.1	Plant	Ath	Ath_AT4G08390.5.1	Ath_AT4G08390.5.1
AA2	255	AT4G08770.1.1	346	6.50E-58	4	252	36	309	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT4G08770.1.1	Plant	Ath	Ath_AT4G08770.1.1	Ath_AT4G08770.1.1
AA2	255	AT4G08780.1.1	346	4.10E-55	3	252	35	309	0.976470588	Arabidopsis_thaliana	Plant	AA2_AT4G08780.1.1	Plant	Ath	Ath_AT4G08780.1.1	Ath_AT4G08780.1.1
AA2	255	AT4G09010.1.1	349	6.90E-16	16	98	107	194	0.321568628	Arabidopsis_thaliana	Plant	AA2_AT4G09010.1.1	Plant	Ath	Ath_AT4G09010.1.1	Ath_AT4G09010.1.1
AA2	255	AT4G09010.2.1	284	4.60E-16	16	99	42	131	0.325490196	Arabidopsis_thaliana	Plant	AA2_AT4G09010.2.1	Plant	Ath	Ath_AT4G09010.2.1	Ath_AT4G09010.2.1
AA2	255	AT4G09010.3.1	396	8.70E-16	16	98	154	241	0.321568628	Arabidopsis_thaliana	Plant	AA2_AT4G09010.3.1	Plant	Ath	Ath_AT4G09010.3.1	Ath_AT4G09010.3.1
CBM48	76	AT4G09020.1.1	764	1.60E-13	2	69	92	191	0.881578947	Arabidopsis_thaliana	Plant	CBM48_AT4G09020.1.1	Plant	Ath	Ath_AT4G09020.1.1	Ath_AT4G09020.1.1
GH13	299	AT4G09020.1.1	764	1.40E-47	13	294	260	620	0.939799331	Arabidopsis_thaliana	Plant	GH13_AT4G09020.1.1	Plant	Ath	Ath_AT4G09020.1.1	Ath_AT4G09020.1.1
CBM43	83	AT4G09090.1.1	116	1.30E-28	1	82	31	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09090.1.1	Plant	Ath	Ath_AT4G09090.1.1	Ath_AT4G09090.1.1
CBM43	83	AT4G09462.1.1	114	2.20E-29	1	82	29	110	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09462.1.1	Plant	Ath	Ath_AT4G09462.1.1	Ath_AT4G09462.1.1
CBM43	83	AT4G09464.1.1	116	5.70E-29	1	82	31	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09464.1.1	Plant	Ath	Ath_AT4G09464.1.1	Ath_AT4G09464.1.1
CBM43	83	AT4G09465.1.1	116	5.70E-29	1	82	31	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09465.1.1	Plant	Ath	Ath_AT4G09465.1.1	Ath_AT4G09465.1.1
CBM43	83	AT4G09466.1.1	116	6.00E-28	1	82	31	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09466.1.1	Plant	Ath	Ath_AT4G09466.1.1	Ath_AT4G09466.1.1
CBM43	83	AT4G09467.1.1	116	5.70E-29	1	82	31	112	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G09467.1.1	Plant	Ath	Ath_AT4G09467.1.1	Ath_AT4G09467.1.1
GT1	382	AT4G09500.1.1	417	5.20E-15	203	350	219	376	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT4G09500.1.1	Plant	Ath	Ath_AT4G09500.1.1	Ath_AT4G095

GH116	363	AT4G10060.1.1	922	7.50E-148	1	363	493	854	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT4G10060.1.1	Plant	Ath	Ath_AT4G10060.1.1	Ath_AT4G10060.1.1
GH116	363	AT4G10060.2.1	922	7.50E-148	1	363	493	854	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT4G10060.2.1	Plant	Ath	Ath_AT4G10060.2.1	Ath_AT4G10060.2.1
GT4	160	AT4G10120.1.1	1050	2.70E-46	5	158	499	668	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G10120.1.1	Plant	Ath	Ath_AT4G10120.1.1	Ath_AT4G10120.1.1
GT4	160	AT4G10120.2.1	1050	2.70E-46	5	158	499	668	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G10120.2.1	Plant	Ath	Ath_AT4G10120.2.1	Ath_AT4G10120.2.1
GT4	160	AT4G10120.3.1	1050	2.70E-46	5	158	499	668	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G10120.3.1	Plant	Ath	Ath_AT4G10120.3.1	Ath_AT4G10120.3.1
GT4	160	AT4G10120.4.1	876	2.00E-46	5	158	325	494	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G10120.4.1	Plant	Ath	Ath_AT4G10120.4.1	Ath_AT4G10120.4.1
GT4	160	AT4G10120.5.1	849	1.90E-46	5	158	298	467	0.95625	Arabidopsis_thaliana	Plant	GT4_AT4G10120.5.1	Plant	Ath	Ath_AT4G10120.5.1	Ath_AT4G10120.5.1
CE16	267	AT4G10950.1.1	400	1.80E-25	55	266	137	380	0.790262172	Arabidopsis_thaliana	Plant	CE16_AT4G10950.1.1	Plant	Ath	Ath_AT4G10950.1.1	Ath_AT4G10950.1.1
CE16	267	AT4G10950.2.1	404	1.20E-25	31	266	107	384	0.880149813	Arabidopsis_thaliana	Plant	CE16_AT4G10950.2.1	Plant	Ath	Ath_AT4G10950.2.1	Ath_AT4G10950.2.1
CBM49	78	AT4G11050.1.1	626	8.80E-36	1	78	534	611	0.987179487	Arabidopsis_thaliana	Plant	CBM49_AT4G11050.1.1	Plant	Ath	Ath_AT4G11050.1.1	Ath_AT4G11050.1.1
GH9	418	AT4G11050.1.1	626	3.10E-146	1	418	26	487	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G11050.1.1	Plant	Ath	Ath_AT4G11050.1.1	Ath_AT4G11050.1.1
GH9	418	AT4G11050.2.1	542	1.90E-146	1	418	26	487	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G11050.2.1	Plant	Ath	Ath_AT4G11050.2.1	Ath_AT4G11050.2.1
CBM49	78	AT4G11050.3.1	625	8.80E-36	1	78	533	610	0.987179487	Arabidopsis_thaliana	Plant	CBM49_AT4G11050.3.1	Plant	Ath	Ath_AT4G11050.3.1	Ath_AT4G11050.3.1
GH9	418	AT4G11050.3.1	625	3.10E-146	1	418	26	487	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G11050.3.1	Plant	Ath	Ath_AT4G11050.3.1	Ath_AT4G11050.3.1
AA2	255	AT4G11290.1.1	326	1.80E-55	11	254	44	310	0.952941177	Arabidopsis_thaliana	Plant	AA2_AT4G11290.1.1	Plant	Ath	Ath_AT4G11290.1.1	Ath_AT4G11290.1.1
GT31	192	AT4G11350.1.1	507	2.10E-13	65	190	174	285	0.651041667	Arabidopsis_thaliana	Plant	GT31_AT4G11350.1.1	Plant	Ath	Ath_AT4G11350.1.1	Ath_AT4G11350.1.1
GT31	192	AT4G11350.2.1	316	9.20E-14	65	190	174	285	0.651041667	Arabidopsis_thaliana	Plant	GT31_AT4G11350.2.1	Plant	Ath	Ath_AT4G11350.2.1	Ath_AT4G11350.2.1
AA1	943	AT4G12420.1.1	587	1.20E-139	449	912	43	512	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT4G12420.1.1	Plant	Ath	Ath_AT4G12420.1.1	Ath_AT4G12420.1.1
AA1	943	AT4G12420.2.1	587	1.20E-139	449	912	43	512	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT4G12420.2.1	Plant	Ath	Ath_AT4G12420.2.1	Ath_AT4G12420.2.1
GH16	189	AT4G13080.1.1	295	1.50E-25	34	185	45	216	0.798941799	Arabidopsis_thaliana	Plant	GH16_AT4G13080.1.1	Plant	Ath	Ath_AT4G13080.1.1	Ath_AT4G13080.1.1
GH16	189	AT4G13090.1.1	292	8.90E-26	35	185	42	210	0.793650794	Arabidopsis_thaliana	Plant	GH16_AT4G13090.1.1	Plant	Ath	Ath_AT4G13090.1.1	Ath_AT4G13090.1.1
PL1	202	AT4G13210.1.1	401	3.70E-58	16	200	119	320	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT4G13210.1.1	Plant	Ath	Ath_AT4G13210.1.1	Ath_AT4G13210.1.1
PL1	202	AT4G13210.2.1	438	4.60E-58	16	200	156	357	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT4G13210.2.1	Plant	Ath	Ath_AT4G13210.2.1	Ath_AT4G13210.2.1
GT2	168	AT4G13410.1.1	537	8.40E-32	2	166	115	290	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT4G13410.1.1	Plant	Ath	Ath_AT4G13410.1.1	Ath_AT4G13410.1.1
GT2	168	AT4G13410.2.1	398	4.40E-32	2	166	115	290	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT4G13410.2.1	Plant	Ath	Ath_AT4G13410.2.1	Ath_AT4G13410.2.1
GT2	168	AT4G13410.3.1	376	3.60E-24	45	166	3	129	0.720238095	Arabidopsis_thaliana	Plant	GT2_AT4G13410.3.1	Plant	Ath	Ath_AT4G13410.3.1	Ath_AT4G13410.3.1
CBM43	83	AT4G13600.1.1	231	8.60E-31	1	82	61	142	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G13600.1.1	Plant	Ath	Ath_AT4G13600.1.1	Ath_AT4G13600.1.1
PL1	202	AT4G13710.1.1	470	2.10E-60	12	200	184	389	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT4G13710.1.1	Plant	Ath	Ath_AT4G13710.1.1	Ath_AT4G13710.1.1
PL1	202	AT4G13710.2.1	451	1.90E-60	12	200	165	370	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT4G13710.2.1	Plant	Ath	Ath_AT4G13710.2.1	Ath_AT4G13710.2.1
GH28	325	AT4G13760.1.1	404	3.30E-85	5	324	56	393	0.981538462	Arabidopsis_thaliana	Plant	GH28_AT4G13760.1.1	Plant	Ath	Ath_AT4G13760.1.1	Ath_AT4G13760.1.1
GT47	296	AT4G13990.1.1	521	5.20E-68	1	293	94	435	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT4G13990.1.1	Plant	Ath	Ath_AT4G13990.1.1	Ath_AT4G13990.1.1
GT47	296	AT4G13990.2.1	521	5.20E-68	1	293	94	435	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT4G13990.2.1	Plant	Ath	Ath_AT4G13990.2.1	Ath_AT4G13990.2.1
CBM43	83	AT4G14080.1.1	478	2.30E-23	1	83	389	472	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G14080.1.1	Plant	Ath	Ath_AT4G14080.1.1	Ath_AT4G14080.1.1
GH17	311	AT4G14080.1.1	478	1.00E-107	1	311	42	363	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G14080.1.1	Plant	Ath	Ath_AT4G14080.1.1	Ath_AT4G14080.1.1
GT1	382	AT4G14090.1.1	456	1.40E-36	220	368	251	434	0.387434555	Arabidopsis_thaliana	Plant	GT1_AT4G14090.1.1	Plant	Ath	Ath_AT4G14090.1.1	Ath_AT4G14090.1.1
GH16	189	AT4G14130.1.1	289	2.30E-22	36	185	46	207	0.788359788	Arabidopsis_thaliana	Plant	GH16_AT4G14130.1.1	Plant	Ath	Ath_AT4G14130.1.1	Ath_AT4G14130.1.1
CE7	313	AT4G14290.1.1	558	0.000000017	55	292	37	258	0.757188498	Arabidopsis_thaliana	Plant	CE7_AT4G14290.1.1	Plant	Ath	Ath_AT4G14290.1.1	Ath_AT4G14290.1.1
CE10	341	AT4G14290.2.1	523	0.0000042	80	234	29	195	0.451612903	Arabidopsis_thaliana	Plant	CE10_AT4G14290.2.1	Plant	Ath	Ath_AT4G14290.2.1	Ath_AT4G14290.2.1
CE7	313	AT4G14290.2.1	523	0.000000007	174	292	135	258	0.376996805	Arabidopsis_thaliana	Plant	CE7_AT4G14290.2.1	Plant	Ath	Ath_AT4G14290.2.1	Ath_AT4G14290.2.1
CE7	313	AT4G14290.5.1	504	0.000000007	174	292	81	204	0.376996805	Arabidopsis_thaliana	Plant	CE7_AT4G14290.5.1	Plant	Ath	Ath_AT4G14290.5.1	Ath_AT4G14290.5.1
CE10	341	AT4G14570.1.1	819	4.50E-28	93	313	580	799	0.64516129	Arabidopsis_thaliana	Plant	CE10_AT4G14570.1.1	Plant	Ath	Ath_AT4G14570.1.1	Ath_AT4G14570.1.1
GH14	412	AT4G15210.1.1	498	1.80E-184	1	411	17	437	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT4G15210.1.1	Plant	Ath	Ath_AT4G15210.1.1	Ath_AT4G15210.1.1
GH14	412	AT4G15210.2.1	420	6.20E-178	1	389	17	405	0.941747573	Arabidopsis_thaliana	Plant	GH14_AT4G15210.2.1	Plant	Ath	Ath_AT4G15210.2.1	Ath_AT4G15210.2.1
GH14	412	AT4G15210.3.1	445	6.00E-171	37	411	1	384	0.90776699	Arabidopsis_thaliana	Plant	GH14_AT4G15210.3.1	Plant	Ath	Ath_AT4G15210.3.1	Ath_AT4G15210.3.1
GH14	412	AT4G15210.4.1	445	6.00E-171	37	411	1	384	0.90776699	Arabidopsis_thaliana	Plant	GH14_AT4G15210.4.1	Plant	Ath	Ath_AT4G15210.4.1	Ath_AT4G15210.4.1
GT31	192	AT4G15240.1.1	488	3.90E-13	74	191	163	268	0.609375	Arabidopsis_thaliana	Plant	GT31_AT4G15240.1.1	Plant	Ath	Ath_AT4G15240.1.1	Ath_AT4G15240.1.1
GT1	382	AT4G15260.1.1	359	7.60E-38	194	364	107	333	0.445026178	Arabidopsis_thaliana	Plant	GT1_AT4G15260.1.1	Plant	Ath	Ath_AT4G15260.1.1	Ath_AT4G15260.1.1
GT1	382	AT4G15280.1.1	478	1.80E-37	220	364	246	452	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT4G15280.1.1	Plant	Ath	Ath_AT4G15280.1.1	Ath_AT4G15280.1.1
GT1	382	AT4G15280.2.1	510	2.10E-37	220	364	278	484	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT4G15280.2.1	Plant	Ath	Ath_AT4G15280.2.1	Ath_AT4G15280.2.1
GT2_Cellulose_synt	722	AT4G15290.1.1	757	2.40E-80	1	299	95	381	0.412742382	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15290.1.1	Plant	Ath	Ath_AT4G15290.1.1	Ath_AT4G15290.1.1
GT2_Cellulose_synt	722	AT4G15290.1.1	757	1.30E-47	341	681	376	730	0.470914127	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15290.1.1	Plant	Ath	Ath_AT4G15290.1.1	Ath_AT4G15290.1.1
GT2_Cellulose_synt	722	AT4G15320.3.1	759	1.10E-81	1	297	95	379	0.409972299	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.3.1	Plant	Ath	Ath_AT4G15320.3.1	Ath_AT4G15320.3.1
GT2_Cellulose_synt	722	AT4G15320.3.1	759	1.40E-46	342	681	377	732	0.469529086	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.3.1	Plant	Ath	Ath_AT4G15320.3.1	Ath_AT4G15320.3.1
GT2_Cellulose_synt	722	AT4G15320.4.1	774	7.30E-80	1	298	95	395	0.411357341	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.4.1	Plant	Ath	Ath_AT4G15320.4.1	Ath_AT4G15320.4.1
GT2_Cellulose_synt	722	AT4G15320.4.1	774	2.00E-46	345	681	395	747	0.465373961	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.4.1	Plant	Ath	Ath_AT4G15320.4.1	Ath_AT4G15320.4.1
GT2_Cellulose_synt	722	AT4G15320.5.1	755	9.50E-82	1	297	95	379	0.409972299	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.5.1	Plant	Ath	Ath_AT4G15320.5.1	Ath_AT4G15320.5.1
GT2_Cellulose_synt	722	AT4G15320.5.1	755	1.70E-46	344	681	379	732	0.466759003	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G15320.5.1	Plant	Ath	Ath_AT4G15320.5.1	Ath_AT4G15320.5.1
GT1	382	AT4G15480.1.1	490	1.20E-38	179	374	256	460	0.510471204	Arabidopsis_thaliana	Plant	GT1_AT4G15480.1.1	Plant	Ath	Ath_AT4G15480.1.1	Ath_AT4G15480.1.1
GT1	382	AT4G15490.1.1	479	4.30E-36	190	374	260	448	0.481675393	Arabidopsis_thaliana	Plant	GT1_AT4G15490.1.1	Plant	Ath	Ath_AT4G15490.1.1	Ath_AT4G15490.1.1
GT1	382	AT4G15500.1.1	475	7.70E-34	196	368	262	445	0.45026178	Arabidopsis_thaliana	Plant	GT1_AT4G15500.1.1	Plant	Ath	Ath_AT4G15500.1.1	Ath_AT4G15500.1.1
GT1	382	AT4G15550.1.1	474	5.80E-36	220	366	257	454	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT4G15550.1.1	Plant	Ath	Ath_AT4G15550.1.1	Ath_AT4G15550.1.1
CE1	227	AT4G15955.1.1	178	2.90E-09	25	141	33	146	0.511013216	Arabidopsis_thaliana	Plant	CE1_AT4G15955.1.1	Plant	Ath	Ath_AT4G15955.1.1	Ath_AT4G15955.1.1
CE1	227	AT4G15955.2.1	183	2.90E-09	25	141	33	146	0.511013216	Arabidopsis_thaliana	Plant	CE1_AT4G15955.2.1	Plant	Ath	Ath_AT4G15955.2.1	Ath_AT4G15955.2.1
CE1	227	AT4G15955.3.1	304	4.80E-09	25	143	33	163	0.519823789	Arabidopsis_thaliana	Plant	CE1_AT4G15955.3.1	Plant	Ath	Ath_AT4G15955.3.1	Ath_AT4G15955.3.1
GT77	216	AT4G15970.1.1	358	3.50E-39	2	216	80	270	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT4G15970.1.1	Plant	Ath	Ath_AT4G15970.1.1	Ath_AT

GH17	311	AT4G16260.2.1	315	9.10E-115	7	311	1	305	0.977491961	Arabidopsis_thaliana	Plant	GH17_AT4G16260.2.1	Plant	Ath	Ath_AT4G16260.2.1	Ath_AT4G16260.2.1
AA2	255	AT4G16270.1.1	348	3.00E-61	17	250	76	330	0.91372549	Arabidopsis_thaliana	Plant	AA2_AT4G16270.1.1	Plant	Ath	Ath_AT4G16270.1.1	Ath_AT4G16270.1.1
GT2	168	AT4G16590.1.1	520	1.00E-20	48	166	144	270	0.702380952	Arabidopsis_thaliana	Plant	GT2_AT4G16590.1.1	Plant	Ath	Ath_AT4G16590.1.1	Ath_AT4G16590.1.1
GT8	257	AT4G16600.1.1	494	6.30E-28	37	254	72	293	0.844357977	Arabidopsis_thaliana	Plant	GT8_AT4G16600.1.1	Plant	Ath	Ath_AT4G16600.1.1	Ath_AT4G16600.1.1
GT28	157	AT4G16710.1.1	176	1.60E-14	3	125	13	142	0.777070064	Arabidopsis_thaliana	Plant	GT28_AT4G16710.1.1	Plant	Ath	Ath_AT4G16710.1.1	Ath_AT4G16710.1.1
GT28	157	AT4G16710.2.1	176	1.60E-14	3	125	13	142	0.777070064	Arabidopsis_thaliana	Plant	GT28_AT4G16710.2.1	Plant	Ath	Ath_AT4G16710.2.1	Ath_AT4G16710.2.1
GT28	157	AT4G16710.3.1	176	1.60E-14	3	125	13	142	0.777070064	Arabidopsis_thaliana	Plant	GT28_AT4G16710.3.1	Plant	Ath	Ath_AT4G16710.3.1	Ath_AT4G16710.3.1
GT28	157	AT4G16710.4.1	176	1.60E-14	3	125	13	142	0.777070064	Arabidopsis_thaliana	Plant	GT28_AT4G16710.4.1	Plant	Ath	Ath_AT4G16710.4.1	Ath_AT4G16710.4.1
GT47	296	AT4G16745.1.1	542	4.50E-88	5	296	200	485	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT4G16745.1.1	Plant	Ath	Ath_AT4G16745.1.1	Ath_AT4G16745.1.1
GT47	296	AT4G16745.2.1	589	5.50E-88	5	296	200	485	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT4G16745.2.1	Plant	Ath	Ath_AT4G16745.2.1	Ath_AT4G16745.2.1
GH14	412	AT4G17090.1.1	548	3.90E-201	1	411	89	503	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT4G17090.1.1	Plant	Ath	Ath_AT4G17090.1.1	Ath_AT4G17090.1.1
CE1	227	AT4G17150.1.1	502	0.00000063	4	129	55	171	0.550660793	Arabidopsis_thaliana	Plant	CE1_AT4G17150.1.1	Plant	Ath	Ath_AT4G17150.1.1	Ath_AT4G17150.1.1
CE1	227	AT4G17150.2.1	387	0.00000037	4	129	55	171	0.550660793	Arabidopsis_thaliana	Plant	CE1_AT4G17150.2.1	Plant	Ath	Ath_AT4G17150.2.1	Ath_AT4G17150.2.1
CE1	227	AT4G17150.3.1	387	0.00000037	4	129	55	171	0.550660793	Arabidopsis_thaliana	Plant	CE1_AT4G17150.3.1	Plant	Ath	Ath_AT4G17150.3.1	Ath_AT4G17150.3.1
CE1	227	AT4G17150.4.1	413	0.00000042	4	129	55	171	0.550660793	Arabidopsis_thaliana	Plant	CE1_AT4G17150.4.1	Plant	Ath	Ath_AT4G17150.4.1	Ath_AT4G17150.4.1
CE1	227	AT4G17150.5.1	478	0.00000057	4	129	31	147	0.550660793	Arabidopsis_thaliana	Plant	CE1_AT4G17150.5.1	Plant	Ath	Ath_AT4G17150.5.1	Ath_AT4G17150.5.1
CBM43	83	AT4G17180.1.1	475	2.80E-25	1	82	359	438	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G17180.1.1	Plant	Ath	Ath_AT4G17180.1.1	Ath_AT4G17180.1.1
GH17	311	AT4G17180.1.1	475	4.10E-102	1	310	25	338	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT4G17180.1.1	Plant	Ath	Ath_AT4G17180.1.1	Ath_AT4G17180.1.1
GH109	126	AT4G17370.1.1	368	3.40E-12	2	121	11	129	0.944444444	Arabidopsis_thaliana	Plant	GH109_AT4G17370.1.1	Plant	Ath	Ath_AT4G17370.1.1	Ath_AT4G17370.1.1
AA2	255	AT4G17690.1.1	326	8.40E-53	5	254	39	306	0.976470588	Arabidopsis_thaliana	Plant	AA2_AT4G17690.1.1	Plant	Ath	Ath_AT4G17690.1.1	Ath_AT4G17690.1.1
GT20	475	AT4G17770.1.1	862	1.50E-183	10	475	57	546	0.978947368	Arabidopsis_thaliana	Plant	GT20_AT4G17770.1.1	Plant	Ath	Ath_AT4G17770.1.1	Ath_AT4G17770.1.1
GT20	475	AT4G17770.2.1	862	1.50E-183	10	475	57	546	0.978947368	Arabidopsis_thaliana	Plant	GT20_AT4G17770.2.1	Plant	Ath	Ath_AT4G17770.2.1	Ath_AT4G17770.2.1
GH28	325	AT4G18180.1.1	422	4.80E-84	5	322	64	410	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT4G18180.1.1	Plant	Ath	Ath_AT4G18180.1.1	Ath_AT4G18180.1.1
GT5	472	AT4G18240.1.1	1040	8.10E-175	2	471	544	1027	0.993644068	Arabidopsis_thaliana	Plant	GT5_AT4G18240.1.1	Plant	Ath	Ath_AT4G18240.1.1	Ath_AT4G18240.1.1
GH17	311	AT4G18340.1.1	397	5.20E-111	1	311	34	352	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G18340.1.1	Plant	Ath	Ath_AT4G18340.1.1	Ath_AT4G18340.1.1
GH17	311	AT4G18340.2.1	383	4.60E-111	1	311	34	352	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G18340.2.1	Plant	Ath	Ath_AT4G18340.2.1	Ath_AT4G18340.2.1
GT2_Cellulose_synt	722	AT4G18780.1.1	985	0	1	720	263	977	0.995844875	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G18780.1.1	Plant	Ath	Ath_AT4G18780.1.1	Ath_AT4G18780.1.1
CBM23	162	AT4G18810.1.1	596	0.0002	58	120	317	381	0.382716049	Arabidopsis_thaliana	Plant	CBM23_AT4G18810.1.1	Plant	Ath	Ath_AT4G18810.1.1	Ath_AT4G18810.1.1
CBM23	162	AT4G18810.2.1	627	0.00022	58	120	317	381	0.382716049	Arabidopsis_thaliana	Plant	CBM23_AT4G18810.2.1	Plant	Ath	Ath_AT4G18810.2.1	Ath_AT4G18810.2.1
CE16	267	AT4G18970.1.1	361	1.00E-23	4	261	32	336	0.962546817	Arabidopsis_thaliana	Plant	CE16_AT4G18970.1.1	Plant	Ath	Ath_AT4G18970.1.1	Ath_AT4G18970.1.1
CE16	267	AT4G18970.2.1	410	1.50E-23	4	261	32	336	0.962546817	Arabidopsis_thaliana	Plant	CE16_AT4G18970.2.1	Plant	Ath	Ath_AT4G18970.2.1	Ath_AT4G18970.2.1
GH16	189	AT4G18990.1.1	357	3.60E-23	50	185	63	223	0.714285714	Arabidopsis_thaliana	Plant	GH16_AT4G18990.1.1	Plant	Ath	Ath_AT4G18990.1.1	Ath_AT4G18990.1.1
GH16	189	AT4G18990.2.1	283	7.60E-16	89	185	35	149	0.507936508	Arabidopsis_thaliana	Plant	GH16_AT4G18990.2.1	Plant	Ath	Ath_AT4G18990.2.1	Ath_AT4G18990.2.1
AA3	618	AT4G19380.1.1	726	1.20E-44	72	390	206	711	0.514563107	Arabidopsis_thaliana	Plant	AA3_AT4G19380.1.1	Plant	Ath	Ath_AT4G19380.1.1	Ath_AT4G19380.1.1
AA3	618	AT4G19380.2.1	768	1.40E-44	72	390	248	753	0.514563107	Arabidopsis_thaliana	Plant	AA3_AT4G19380.2.1	Plant	Ath	Ath_AT4G19380.2.1	Ath_AT4G19380.2.1
CE13	355	AT4G19410.1.1	391	3.50E-153	5	354	23	371	0.983098592	Arabidopsis_thaliana	Plant	CE13_AT4G19410.1.1	Plant	Ath	Ath_AT4G19410.1.1	Ath_AT4G19410.1.1
CE13	355	AT4G19410.2.1	517	2.40E-152	5	352	23	369	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT4G19410.2.1	Plant	Ath	Ath_AT4G19410.2.1	Ath_AT4G19410.2.1
CE13	355	AT4G19420.1.1	397	3.10E-157	4	354	23	372	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT4G19420.1.1	Plant	Ath	Ath_AT4G19420.1.1	Ath_AT4G19420.1.1
CE13	355	AT4G19420.2.1	397	3.10E-157	4	354	23	372	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT4G19420.2.1	Plant	Ath	Ath_AT4G19420.2.1	Ath_AT4G19420.2.1
CE13	355	AT4G19420.3.1	301	1.80E-98	4	226	23	244	0.625352113	Arabidopsis_thaliana	Plant	CE13_AT4G19420.3.1	Plant	Ath	Ath_AT4G19420.3.1	Ath_AT4G19420.3.1
CE13	355	AT4G19420.4.1	432	2.00E-149	4	341	23	359	0.949295775	Arabidopsis_thaliana	Plant	CE13_AT4G19420.4.1	Plant	Ath	Ath_AT4G19420.4.1	Ath_AT4G19420.4.1
GT4	160	AT4G19460.1.1	516	2.00E-23	8	146	333	466	0.8625	Arabidopsis_thaliana	Plant	GT4_AT4G19460.1.1	Plant	Ath	Ath_AT4G19460.1.1	Ath_AT4G19460.1.1
GH18	296	AT4G19720.1.1	363	2.60E-59	6	282	8	339	0.932432432	Arabidopsis_thaliana	Plant	GH18_AT4G19720.1.1	Plant	Ath	Ath_AT4G19720.1.1	Ath_AT4G19720.1.1
GH18	296	AT4G19730.1.1	332	1.80E-49	7	261	17	332	0.858108108	Arabidopsis_thaliana	Plant	GH18_AT4G19730.1.1	Plant	Ath	Ath_AT4G19730.1.1	Ath_AT4G19730.1.1
GH18	296	AT4G19740.1.1	211	3.60E-32	73	240	1	206	0.564189189	Arabidopsis_thaliana	Plant	GH18_AT4G19740.1.1	Plant	Ath	Ath_AT4G19740.1.1	Ath_AT4G19740.1.1
GH18	296	AT4G19750.1.1	362	1.70E-60	17	283	24	345	0.898648649	Arabidopsis_thaliana	Plant	GH18_AT4G19750.1.1	Plant	Ath	Ath_AT4G19750.1.1	Ath_AT4G19750.1.1
GH18	296	AT4G19760.1.1	369	4.40E-60	7	283	17	355	0.932432432	Arabidopsis_thaliana	Plant	GH18_AT4G19760.1.1	Plant	Ath	Ath_AT4G19760.1.1	Ath_AT4G19760.1.1
GH18	296	AT4G19770.1.1	261	1.90E-51	73	285	1	249	0.716216216	Arabidopsis_thaliana	Plant	GH18_AT4G19770.1.1	Plant	Ath	Ath_AT4G19770.1.1	Ath_AT4G19770.1.1
GH18	296	AT4G19800.1.1	398	8.50E-66	23	284	16	335	0.881756757	Arabidopsis_thaliana	Plant	GH18_AT4G19800.1.1	Plant	Ath	Ath_AT4G19800.1.1	Ath_AT4G19800.1.1
GH18	296	AT4G19810.1.1	379	2.60E-66	23	284	37	357	0.881756757	Arabidopsis_thaliana	Plant	GH18_AT4G19810.1.1	Plant	Ath	Ath_AT4G19810.1.1	Ath_AT4G19810.1.1
GH18	296	AT4G19810.2.1	379	2.60E-66	23	284	37	357	0.881756757	Arabidopsis_thaliana	Plant	GH18_AT4G19810.2.1	Plant	Ath	Ath_AT4G19810.2.1	Ath_AT4G19810.2.1
GH18	296	AT4G19820.1.1	368	2.90E-60	28	284	40	355	0.864864865	Arabidopsis_thaliana	Plant	GH18_AT4G19820.1.1	Plant	Ath	Ath_AT4G19820.1.1	Ath_AT4G19820.1.1
GT32	90	AT4G19900.1.1	644	1.90E-15	3	89	387	495	0.955555556	Arabidopsis_thaliana	Plant	GT32_AT4G19900.1.1	Plant	Ath	Ath_AT4G19900.1.1	Ath_AT4G19900.1.1
GT77	216	AT4G19970.1.1	377	1.80E-54	2	215	149	346	0.986111111	Arabidopsis_thaliana	Plant	GT77_AT4G19970.1.1	Plant	Ath	Ath_AT4G19970.1.1	Ath_AT4G19970.1.1
GT77	216	AT4G19975.1.1	354	7.30E-60	2	216	128	325	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT4G19975.1.1	Plant	Ath	Ath_AT4G19975.1.1	Ath_AT4G19975.1.1
GT92	279	AT4G20170.1.1	504	2.70E-59	2	221	242	455	0.784946237	Arabidopsis_thaliana	Plant	GT92_AT4G20170.1.1	Plant	Ath	Ath_AT4G20170.1.1	Ath_AT4G20170.1.1
CBM57	147	AT4G20450.1.1	898	0.000024	59	105	280	325	0.31292517	Arabidopsis_thaliana	Plant	CBM57_AT4G20450.1.1	Plant	Ath	Ath_AT4G20450.1.1	Ath_AT4G20450.1.1
CBM57	147	AT4G20450.2.1	883	0.000023	59	105	280	325	0.31292517	Arabidopsis_thaliana	Plant	CBM57_AT4G20450.2.1	Plant	Ath	Ath_AT4G20450.2.1	Ath_AT4G20450.2.1
AA7	458	AT4G20800.1.1	528	1.50E-82	17	458	78	522	0.962882096	Arabidopsis_thaliana	Plant	AA7_AT4G20800.1.1	Plant	Ath	Ath_AT4G20800.1.1	Ath_AT4G20800.1.1
AA7	458	AT4G20820.1.1	532	3.70E-92	8	458	77	523	0.982532751	Arabidopsis_thaliana	Plant	AA7_AT4G20820.1.1	Plant	Ath	Ath_AT4G20820.1.1	Ath_AT4G20820.1.1
AA7	458	AT4G20830.1.1	570	7.90E-88	4	458	76	533	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT4G20830.1.1	Plant	Ath	Ath_AT4G20830.1.1	Ath_AT4G20830.1.1
AA7	458	AT4G20830.2.1	540	6.60E-88	4	458	76	533	0.991266376	Arabidopsis_thaliana	Plant	AA7_AT4G20830.2.1	Plant	Ath	Ath_AT4G20830.2.1	Ath_AT4G20830.2.1
AA7	458	AT4G20840.1.1	539	1.30E-89	6	458	77	532	0.986899563	Arabidopsis_thaliana	Plant	AA7_AT4G20840.1.1	Plant	Ath	Ath_AT4G20840.1.1	Ath_AT4G20840.1.1
AA7	458	AT4G20860.1.1	530	1.00E-70	9	224	75	294	0.469432314	Arabidopsis_thaliana	Plant	AA7_AT4G20860.1.1	Plant	Ath	Ath_AT4G20860.1.1	Ath_AT4G20860.1.1
GT31	192	AT4G21060.1.1	741	3.70E-67	2	188	508	691	0.96875	Arabidopsis_thaliana	Plant	GT31_AT4G21060.1.1	Plant	Ath	Ath_AT4G21060.1.1	Ath_AT4G21060.1.1
GT31	192	AT4G21060.2.1	684	3.20E-67												

PL1	202	AT4G22090.1.1	394	3.80E-60	11	201	107	314	0.940594059	Arabidopsis_thaliana	Plant	PL1_AT4G22090.1.1	Plant	Ath	Ath_AT4G22090.1.1	Ath_AT4G22090.1.1
GH1	429	AT4G22100.1.1	507	1.20E-160	2	427	24	485	0.990675991	Arabidopsis_thaliana	Plant	GH1_AT4G22100.1.1	Plant	Ath	Ath_AT4G22100.1.1	Ath_AT4G22100.1.1
CE1	227	AT4G22300.1.1	262	2.60E-12	28	210	50	240	0.801762115	Arabidopsis_thaliana	Plant	CE1_AT4G22300.1.1	Plant	Ath	Ath_AT4G22300.1.1	Ath_AT4G22300.1.1
CE1	227	AT4G22305.1.1	228	2.10E-13	29	210	6	195	0.797356828	Arabidopsis_thaliana	Plant	CE1_AT4G22305.1.1	Plant	Ath	Ath_AT4G22305.1.1	Ath_AT4G22305.1.1
CE1	227	AT4G22305.2.1	224	4.90E-10	29	142	6	137	0.497797357	Arabidopsis_thaliana	Plant	CE1_AT4G22305.2.1	Plant	Ath	Ath_AT4G22305.2.1	Ath_AT4G22305.2.1
GT47	296	AT4G22580.1.1	435	8.00E-60	2	296	37	383	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G22580.1.1	Plant	Ath	Ath_AT4G22580.1.1	Ath_AT4G22580.1.1
GT31	192	AT4G23490.1.1	526	2.40E-14	74	190	199	304	0.604166667	Arabidopsis_thaliana	Plant	GT31_AT4G23490.1.1	Plant	Ath	Ath_AT4G23490.1.1	Ath_AT4G23490.1.1
GH28	325	AT4G23500.1.1	495	1.40E-78	11	321	100	446	0.953846154	Arabidopsis_thaliana	Plant	GH28_AT4G23500.1.1	Plant	Ath	Ath_AT4G23500.1.1	Ath_AT4G23500.1.1
GH9	418	AT4G23560.1.1	479	1.50E-139	1	418	23	472	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G23560.1.1	Plant	Ath	Ath_AT4G23560.1.1	Ath_AT4G23560.1.1
GH28	325	AT4G23820.1.1	444	5.60E-81	10	322	72	418	0.96	Arabidopsis_thaliana	Plant	GH28_AT4G23820.1.1	Plant	Ath	Ath_AT4G23820.1.1	Ath_AT4G23820.1.1
GT2_Cellulose_synt	722	AT4G23990.1.1	751	1.20E-83	1	291	120	407	0.40166205	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G23990.1.1	Plant	Ath	Ath_AT4G23990.1.1	Ath_AT4G23990.1.1
GT2_Cellulose_synt	722	AT4G23990.1.1	751	2.50E-55	384	700	425	742	0.43767313	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G23990.1.1	Plant	Ath	Ath_AT4G23990.1.1	Ath_AT4G23990.1.1
GT2_Cellulose_synt	722	AT4G23990.2.1	537	1.20E-55	384	700	211	528	0.43767313	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G23990.2.1	Plant	Ath	Ath_AT4G23990.2.1	Ath_AT4G23990.2.1
GT2_Cellulose_synt	722	AT4G24000.1.1	722	1.70E-80	1	290	98	377	0.400277008	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G24000.1.1	Plant	Ath	Ath_AT4G24000.1.1	Ath_AT4G24000.1.1
GT2_Cellulose_synt	722	AT4G24000.1.1	722	5.40E-52	390	700	402	713	0.429362881	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G24000.1.1	Plant	Ath	Ath_AT4G24000.1.1	Ath_AT4G24000.1.1
GT2_Cellulose_synt	722	AT4G24000.2.1	530	2.70E-52	391	700	211	521	0.427977839	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G24000.2.1	Plant	Ath	Ath_AT4G24000.2.1	Ath_AT4G24000.2.1
GT2_Cellulose_synt	722	AT4G24010.1.1	760	4.40E-86	1	290	101	387	0.400277008	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G24010.1.1	Plant	Ath	Ath_AT4G24010.1.1	Ath_AT4G24010.1.1
GT2_Cellulose_synt	722	AT4G24010.1.1	760	8.90E-54	389	658	411	683	0.372576177	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G24010.1.1	Plant	Ath	Ath_AT4G24010.1.1	Ath_AT4G24010.1.1
GH37	491	AT4G24040.1.1	626	1.80E-163	3	491	101	616	0.99389002	Arabidopsis_thaliana	Plant	GH37_AT4G24040.1.1	Plant	Ath	Ath_AT4G24040.1.1	Ath_AT4G24040.1.1
CE1	227	AT4G24160.1.1	418	0.00000013	23	149	117	237	0.555066079	Arabidopsis_thaliana	Plant	CE1_AT4G24160.1.1	Plant	Ath	Ath_AT4G24160.1.1	Ath_AT4G24160.1.1
CE1	227	AT4G24160.2.1	342	0.0000001	23	149	117	237	0.555066079	Arabidopsis_thaliana	Plant	CE1_AT4G24160.2.1	Plant	Ath	Ath_AT4G24160.2.1	Ath_AT4G24160.2.1
GH9	418	AT4G24260.1.1	620	3.20E-126	1	417	108	583	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT4G24260.1.1	Plant	Ath	Ath_AT4G24260.1.1	Ath_AT4G24260.1.1
GH9	418	AT4G24260.2.1	458	7.70E-84	1	297	108	434	0.708133971	Arabidopsis_thaliana	Plant	GH9_AT4G24260.2.1	Plant	Ath	Ath_AT4G24260.2.1	Ath_AT4G24260.2.1
GH9	418	AT4G24260.3.1	488	1.00E-89	1	334	108	487	0.796650718	Arabidopsis_thaliana	Plant	GH9_AT4G24260.3.1	Plant	Ath	Ath_AT4G24260.3.1	Ath_AT4G24260.3.1
PL4	567	AT4G24430.1.1	646	3.60E-202	7	561	6	624	0.97707231	Arabidopsis_thaliana	Plant	PL4_AT4G24430.1.1	Plant	Ath	Ath_AT4G24430.1.1	Ath_AT4G24430.1.1
PL4	567	AT4G24430.2.1	528	3.10E-179	101	561	1	506	0.811287478	Arabidopsis_thaliana	Plant	PL4_AT4G24430.2.1	Plant	Ath	Ath_AT4G24430.2.1	Ath_AT4G24430.2.1
CBM45	81	AT4G24450.1.1	1278	1.30E-20	1	81	283	361	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.1.1	Plant	Ath	Ath_AT4G24450.1.1	Ath_AT4G24450.1.1
CBM45	81	AT4G24450.1.1	1278	1.70E-15	1	81	45	115	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.1.1	Plant	Ath	Ath_AT4G24450.1.1	Ath_AT4G24450.1.1
CBM45	81	AT4G24450.2.1	1278	1.30E-20	1	81	283	361	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.2.1	Plant	Ath	Ath_AT4G24450.2.1	Ath_AT4G24450.2.1
CBM45	81	AT4G24450.2.1	1278	1.70E-15	1	81	45	115	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.2.1	Plant	Ath	Ath_AT4G24450.2.1	Ath_AT4G24450.2.1
CBM45	81	AT4G24450.3.1	1278	1.30E-20	1	81	283	361	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.3.1	Plant	Ath	Ath_AT4G24450.3.1	Ath_AT4G24450.3.1
CBM45	81	AT4G24450.3.1	1278	1.70E-15	1	81	45	115	0.987654321	Arabidopsis_thaliana	Plant	CBM45_AT4G24450.3.1	Plant	Ath	Ath_AT4G24450.3.1	Ath_AT4G24450.3.1
PL1	202	AT4G24780.1.1	408	1.10E-61	17	200	127	327	0.905940594	Arabidopsis_thaliana	Plant	PL1_AT4G24780.1.1	Plant	Ath	Ath_AT4G24780.1.1	Ath_AT4G24780.1.1
PL1	202	AT4G24780.2.1	408	1.10E-61	17	200	127	327	0.905940594	Arabidopsis_thaliana	Plant	PL1_AT4G24780.2.1	Plant	Ath	Ath_AT4G24780.2.1	Ath_AT4G24780.2.1
GH13	299	AT4G25000.1.1	423	5.20E-41	12	286	40	345	0.91638796	Arabidopsis_thaliana	Plant	GH13_AT4G25000.1.1	Plant	Ath	Ath_AT4G25000.1.1	Ath_AT4G25000.1.1
AA1	943	AT4G25240.1.1	589	4.30E-127	449	912	47	515	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT4G25240.1.1	Plant	Ath	Ath_AT4G25240.1.1	Ath_AT4G25240.1.1
AA1	943	AT4G25240.2.1	589	4.30E-127	449	912	47	515	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT4G25240.2.1	Plant	Ath	Ath_AT4G25240.2.1	Ath_AT4G25240.2.1
CBM50	40	AT4G25433.1.1	110	0.00000081	1	34	63	99	0.825	Arabidopsis_thaliana	Plant	CBM50_AT4G25433.1.1	Plant	Ath	Ath_AT4G25433.1.1	Ath_AT4G25433.1.1
GH16	189	AT4G25810.1.1	286	7.40E-24	35	185	43	205	0.793650794	Arabidopsis_thaliana	Plant	GH16_AT4G25810.1.1	Plant	Ath	Ath_AT4G25810.1.1	Ath_AT4G25810.1.1
GH16	189	AT4G25820.1.1	287	8.00E-24	25	185	43	209	0.846560847	Arabidopsis_thaliana	Plant	GH16_AT4G25820.1.1	Plant	Ath	Ath_AT4G25820.1.1	Ath_AT4G25820.1.1
GT14	250	AT4G25870.1.1	389	3.00E-11	60	243	152	317	0.732	Arabidopsis_thaliana	Plant	GT14_AT4G25870.1.1	Plant	Ath	Ath_AT4G25870.1.1	Ath_AT4G25870.1.1
AA2	255	AT4G25980.1.1	326	4.70E-45	19	254	54	310	0.921568628	Arabidopsis_thaliana	Plant	AA2_AT4G25980.1.1	Plant	Ath	Ath_AT4G25980.1.1	Ath_AT4G25980.1.1
AA2	255	AT4G25980.2.1	286	6.50E-35	19	151	99	232	0.517647059	Arabidopsis_thaliana	Plant	AA2_AT4G25980.2.1	Plant	Ath	Ath_AT4G25980.2.1	Ath_AT4G25980.2.1
AA2	255	AT4G26010.1.1	310	2.90E-45	16	252	47	291	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT4G26010.1.1	Plant	Ath	Ath_AT4G26010.1.1	Ath_AT4G26010.1.1
AA2	255	AT4G26010.2.1	338	3.90E-45	16	252	75	319	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT4G26010.2.1	Plant	Ath	Ath_AT4G26010.2.1	Ath_AT4G26010.2.1
GH35	307	AT4G26140.1.1	728	9.40E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.1.1	Plant	Ath	Ath_AT4G26140.1.1	Ath_AT4G26140.1.1
GH35	307	AT4G26140.2.1	636	6.80E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.2.1	Plant	Ath	Ath_AT4G26140.2.1	Ath_AT4G26140.2.1
GH35	307	AT4G26140.3.1	636	6.80E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.3.1	Plant	Ath	Ath_AT4G26140.3.1	Ath_AT4G26140.3.1
GH35	307	AT4G26140.4.1	592	5.70E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.4.1	Plant	Ath	Ath_AT4G26140.4.1	Ath_AT4G26140.4.1
GH35	307	AT4G26140.5.1	592	5.70E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.5.1	Plant	Ath	Ath_AT4G26140.5.1	Ath_AT4G26140.5.1
GH35	307	AT4G26140.6.1	638	6.90E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.6.1	Plant	Ath	Ath_AT4G26140.6.1	Ath_AT4G26140.6.1
GH35	307	AT4G26140.7.1	753	1.00E-121	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.7.1	Plant	Ath	Ath_AT4G26140.7.1	Ath_AT4G26140.7.1
GH35	307	AT4G26140.8.1	567	5.10E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.8.1	Plant	Ath	Ath_AT4G26140.8.1	Ath_AT4G26140.8.1
GH35	307	AT4G26140.9.1	717	9.00E-122	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT4G26140.9.1	Plant	Ath	Ath_AT4G26140.9.1	Ath_AT4G26140.9.1
GT8	257	AT4G26250.1.1	336	3.80E-61	12	256	8	272	0.949416342	Arabidopsis_thaliana	Plant	GT8_AT4G26250.1.1	Plant	Ath	Ath_AT4G26250.1.1	Ath_AT4G26250.1.1
CE16	267	AT4G26790.1.1	351	7.80E-19	60	266	109	342	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT4G26790.1.1	Plant	Ath	Ath_AT4G26790.1.1	Ath_AT4G26790.1.1
CE16	267	AT4G26790.2.1	351	7.80E-19	60	266	109	342	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT4G26790.2.1	Plant	Ath	Ath_AT4G26790.2.1	Ath_AT4G26790.2.1
CBM43	83	AT4G26830.1.1	455	3.70E-31	1	83	367	450	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G26830.1.1	Plant	Ath	Ath_AT4G26830.1.1	Ath_AT4G26830.1.1
GH17	311	AT4G26830.1.1	455	1.60E-115	1	311	25	343	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G26830.1.1	Plant	Ath	Ath_AT4G26830.1.1	Ath_AT4G26830.1.1
CBM43	83	AT4G26830.2.1	459	3.70E-31	1	83	371	454	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G26830.2.1	Plant	Ath	Ath_AT4G26830.2.1	Ath_AT4G26830.2.1
GH17	311	AT4G26830.2.1	459	1.60E-115	1	311	29	347	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G26830.2.1	Plant	Ath	Ath_AT4G26830.2.1	Ath_AT4G26830.2.1
GT31	192	AT4G26940.1.1	407	5.60E-53	1	191	153	349	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT4G26940.1.1	Plant	Ath	Ath_AT4G26940.1.1	Ath_AT4G26940.1.1
GT31	192	AT4G26940.2.1	306	2.00E-34	1	121	153	280	0.625	Arabidopsis_thaliana	Plant	GT31_AT4G26940.2.1	Plant	Ath	Ath_AT4G26940.2.1	Ath_AT4G26940.2.1
AA6	195	AT4G27270.1.1	205	1.00E-81	1	195	4	198	0.994871795	Arabidopsis_thaliana	Plant	AA6_AT4G27270.1.1	Plant	Ath	Ath_AT4G27270.1.1	Ath_AT4G27270.1.1
AA6	195	AT4G27270.2.1	194	1.50E-75	9	195	1	187	0.953846154	Arabidopsis_thaliana	Plant	AA6_AT4G27270.2.1	Plant	Ath	Ath_AT4G27270.2.1	Ath_AT4G27270.2.1
AA6	195	AT4G27270.3.1	194	1.50E-75	9	19										

GT20	475	AT4G27550.2.1	786	2.70E-178	13	473	4	468	0.968421053	Arabidopsis_thaliana	Plant	GT20_AT4G27550.2.1	Plant	Ath	Ath_AT4G27550.2.1	Ath_AT4G27550.2.1
GT1	382	AT4G27560.1.1	455	2.30E-17	218	352	233	409	0.35078534	Arabidopsis_thaliana	Plant	GT1_AT4G27560.1.1	Plant	Ath	Ath_AT4G27560.1.1	Ath_AT4G27560.1.1
GT1	382	AT4G27570.1.1	453	1.80E-17	220	366	235	428	0.382198953	Arabidopsis_thaliana	Plant	GT1_AT4G27570.1.1	Plant	Ath	Ath_AT4G27570.1.1	Ath_AT4G27570.1.1
GH1	429	AT4G27820.1.1	506	7.40E-163	2	424	25	482	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT4G27820.1.1	Plant	Ath	Ath_AT4G27820.1.1	Ath_AT4G27820.1.1
GH1	429	AT4G27820.2.1	421	4.70E-131	67	424	1	397	0.832167832	Arabidopsis_thaliana	Plant	GH1_AT4G27820.2.1	Plant	Ath	Ath_AT4G27820.2.1	Ath_AT4G27820.2.1
GH1	429	AT4G27820.3.1	421	4.70E-131	67	424	1	397	0.832167832	Arabidopsis_thaliana	Plant	GH1_AT4G27820.3.1	Plant	Ath	Ath_AT4G27820.3.1	Ath_AT4G27820.3.1
GH1	429	AT4G27830.1.1	508	1.10E-163	2	424	25	484	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT4G27830.1.1	Plant	Ath	Ath_AT4G27830.1.1	Ath_AT4G27830.1.1
GH1	429	AT4G27830.2.1	420	8.60E-132	67	424	1	396	0.832167832	Arabidopsis_thaliana	Plant	GH1_AT4G27830.2.1	Plant	Ath	Ath_AT4G27830.2.1	Ath_AT4G27830.2.1
AA1	943	AT4G28090.1.1	547	4.60E-135	436	913	33	500	0.50583245	Arabidopsis_thaliana	Plant	AA1_AT4G28090.1.1	Plant	Ath	Ath_AT4G28090.1.1	Ath_AT4G28090.1.1
GH5	275	AT4G28320.1.1	431	3.00E-31	7	231	53	378	0.814545455	Arabidopsis_thaliana	Plant	GH5_AT4G28320.1.1	Plant	Ath	Ath_AT4G28320.1.1	Ath_AT4G28320.1.1
AA3	618	AT4G28570.1.1	748	2.60E-42	86	398	234	739	0.504854369	Arabidopsis_thaliana	Plant	AA3_AT4G28570.1.1	Plant	Ath	Ath_AT4G28570.1.1	Ath_AT4G28570.1.1
AA3	618	AT4G28570.2.1	748	2.60E-42	86	398	234	739	0.504854369	Arabidopsis_thaliana	Plant	AA3_AT4G28570.2.1	Plant	Ath	Ath_AT4G28570.2.1	Ath_AT4G28570.2.1
CE16	267	AT4G28780.1.1	367	9.00E-17	2	266	33	344	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT4G28780.1.1	Plant	Ath	Ath_AT4G28780.1.1	Ath_AT4G28780.1.1
GH16	189	AT4G28850.1.1	292	6.70E-24	30	177	40	195	0.777777778	Arabidopsis_thaliana	Plant	GH16_AT4G28850.1.1	Plant	Ath	Ath_AT4G28850.1.1	Ath_AT4G28850.1.1
CBM43	83	AT4G29360.1.1	534	2.00E-27	1	82	391	473	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G29360.1.1	Plant	Ath	Ath_AT4G29360.1.1	Ath_AT4G29360.1.1
GH17	311	AT4G29360.1.1	534	6.50E-113	1	311	27	345	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G29360.1.1	Plant	Ath	Ath_AT4G29360.1.1	Ath_AT4G29360.1.1
CBM43	83	AT4G29360.2.1	544	2.10E-27	1	82	401	483	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G29360.2.1	Plant	Ath	Ath_AT4G29360.2.1	Ath_AT4G29360.2.1
GH17	311	AT4G29360.2.1	544	6.90E-113	1	311	37	355	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT4G29360.2.1	Plant	Ath	Ath_AT4G29360.2.1	Ath_AT4G29360.2.1
AA7	458	AT4G29740.1.1	428	4.30E-22	11	194	60	261	0.399563319	Arabidopsis_thaliana	Plant	AA7_AT4G29740.1.1	Plant	Ath	Ath_AT4G29740.1.1	Ath_AT4G29740.1.1
AA7	458	AT4G29740.2.1	524	6.90E-22	11	194	60	261	0.399563319	Arabidopsis_thaliana	Plant	AA7_AT4G29740.2.1	Plant	Ath	Ath_AT4G29740.2.1	Ath_AT4G29740.2.1
AA7	458	AT4G29740.3.1	372	2.60E-22	11	194	60	261	0.399563319	Arabidopsis_thaliana	Plant	AA7_AT4G29740.3.1	Plant	Ath	Ath_AT4G29740.3.1	Ath_AT4G29740.3.1
CBM57	147	AT4G29990.1.1	876	0.000056	62	108	267	312	0.31292517	Arabidopsis_thaliana	Plant	CBM57_AT4G29990.1.1	Plant	Ath	Ath_AT4G29990.1.1	Ath_AT4G29990.1.1
CBM57	147	AT4G29990.2.1	732	0.000044	62	108	267	312	0.31292517	Arabidopsis_thaliana	Plant	CBM57_AT4G29990.2.1	Plant	Ath	Ath_AT4G29990.2.1	Ath_AT4G29990.2.1
GT14	250	AT4G30060.1.1	401	6.00E-12	59	243	161	327	0.736	Arabidopsis_thaliana	Plant	GT14_AT4G30060.1.1	Plant	Ath	Ath_AT4G30060.1.1	Ath_AT4G30060.1.1
GT14	250	AT4G30060.2.1	401	6.00E-12	59	243	161	327	0.736	Arabidopsis_thaliana	Plant	GT14_AT4G30060.2.1	Plant	Ath	Ath_AT4G30060.2.1	Ath_AT4G30060.2.1
CE16	267	AT4G30140.1.1	348	6.40E-14	2	265	35	331	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT4G30140.1.1	Plant	Ath	Ath_AT4G30140.1.1	Ath_AT4G30140.1.1
AA2	255	AT4G30170.1.1	265	4.60E-53	6	253	41	308	0.968627451	Arabidopsis_thaliana	Plant	AA2_AT4G30170.1.1	Plant	Ath	Ath_AT4G30170.1.1	Ath_AT4G30170.1.1
GH16	189	AT4G30270.1.1	329	1.70E-23	35	185	41	203	0.793650794	Arabidopsis_thaliana	Plant	GH16_AT4G30270.1.1	Plant	Ath	Ath_AT4G30270.1.1	Ath_AT4G30270.1.1
GH16	189	AT4G30280.1.1	282	5.70E-24	35	176	47	202	0.746031746	Arabidopsis_thaliana	Plant	GH16_AT4G30280.1.1	Plant	Ath	Ath_AT4G30280.1.1	Ath_AT4G30280.1.1
GH16	189	AT4G30290.1.1	277	5.10E-24	37	175	44	191	0.73015873	Arabidopsis_thaliana	Plant	GH16_AT4G30290.1.1	Plant	Ath	Ath_AT4G30290.1.1	Ath_AT4G30290.1.1
CBM43	83	AT4G31140.1.1	484	1.90E-22	1	83	365	447	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT4G31140.1.1	Plant	Ath	Ath_AT4G31140.1.1	Ath_AT4G31140.1.1
GH17	311	AT4G31140.1.1	484	1.60E-104	1	310	27	345	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT4G31140.1.1	Plant	Ath	Ath_AT4G31140.1.1	Ath_AT4G31140.1.1
GT14	250	AT4G31350.1.1	376	3.00E-15	60	244	142	307	0.736	Arabidopsis_thaliana	Plant	GT14_AT4G31350.1.1	Plant	Ath	Ath_AT4G31350.1.1	Ath_AT4G31350.1.1
GT14	250	AT4G31350.2.1	376	3.00E-15	60	244	142	307	0.736	Arabidopsis_thaliana	Plant	GT14_AT4G31350.2.1	Plant	Ath	Ath_AT4G31350.2.1	Ath_AT4G31350.2.1
GT14	250	AT4G31350.3.1	371	1.20E-12	62	244	139	302	0.728	Arabidopsis_thaliana	Plant	GT14_AT4G31350.3.1	Plant	Ath	Ath_AT4G31350.3.1	Ath_AT4G31350.3.1
GT14	250	AT4G31350.4.1	376	3.00E-15	60	244	142	307	0.736	Arabidopsis_thaliana	Plant	GT14_AT4G31350.4.1	Plant	Ath	Ath_AT4G31350.4.1	Ath_AT4G31350.4.1
GT2	168	AT4G31590.1.1	692	1.90E-28	2	167	231	407	0.982142857	Arabidopsis_thaliana	Plant	GT2_AT4G31590.1.1	Plant	Ath	Ath_AT4G31590.1.1	Ath_AT4G31590.1.1
AA2	255	AT4G31760.1.1	326	3.40E-54	16	254	54	310	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT4G31760.1.1	Plant	Ath	Ath_AT4G31760.1.1	Ath_AT4G31760.1.1
GT28	157	AT4G31780.1.1	366	4.60E-28	2	157	183	341	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT4G31780.1.1	Plant	Ath	Ath_AT4G31780.1.1	Ath_AT4G31780.1.1
GT28	157	AT4G31780.2.1	533	1.00E-27	2	157	350	508	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT4G31780.2.1	Plant	Ath	Ath_AT4G31780.2.1	Ath_AT4G31780.2.1
GT28	157	AT4G31780.3.1	559	1.10E-27	2	157	376	534	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT4G31780.3.1	Plant	Ath	Ath_AT4G31780.3.1	Ath_AT4G31780.3.1
GT31	192	AT4G32120.1.1	345	2.30E-42	2	189	133	325	0.973958333	Arabidopsis_thaliana	Plant	GT31_AT4G32120.1.1	Plant	Ath	Ath_AT4G32120.1.1	Ath_AT4G32120.1.1
GT14	250	AT4G32290.1.1	384	5.70E-09	68	246	157	317	0.712	Arabidopsis_thaliana	Plant	GT14_AT4G32290.1.1	Plant	Ath	Ath_AT4G32290.1.1	Ath_AT4G32290.1.1
AA2	255	AT4G32320.1.1	329	1.80E-52	15	253	107	323	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT4G32320.1.1	Plant	Ath	Ath_AT4G32320.1.1	Ath_AT4G32320.1.1
GH28	325	AT4G32370.1.1	342	3.60E-76	10	258	66	326	0.763076923	Arabidopsis_thaliana	Plant	GH28_AT4G32370.1.1	Plant	Ath	Ath_AT4G32370.1.1	Ath_AT4G32370.1.1
GH28	325	AT4G32375.1.1	423	1.90E-84	60	320	8	281	0.8	Arabidopsis_thaliana	Plant	GH28_AT4G32375.1.1	Plant	Ath	Ath_AT4G32375.1.1	Ath_AT4G32375.1.1
GH28	325	AT4G32380.1.1	453	1.00E-93	10	321	57	382	0.956923077	Arabidopsis_thaliana	Plant	GH28_AT4G32380.1.1	Plant	Ath	Ath_AT4G32380.1.1	Ath_AT4G32380.1.1
GH28	325	AT4G32380.2.1	412	4.80E-66	10	224	57	280	0.658461539	Arabidopsis_thaliana	Plant	GH28_AT4G32380.2.1	Plant	Ath	Ath_AT4G32380.2.1	Ath_AT4G32380.2.1
GT2_Cellulose_synt	722	AT4G32410.1.1	1081	0	1	717	354	1071	0.991689751	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G32410.1.1	Plant	Ath	Ath_AT4G32410.1.1	Ath_AT4G32410.1.1
CBM61	141	AT4G32460.1.1	365	0.0000073	1	117	191	328	0.822695036	Arabidopsis_thaliana	Plant	CBM61_AT4G32460.1.1	Plant	Ath	Ath_AT4G32460.1.1	Ath_AT4G32460.1.1
CBM61	141	AT4G32460.2.1	365	0.0000073	1	117	191	328	0.822695036	Arabidopsis_thaliana	Plant	CBM61_AT4G32460.2.1	Plant	Ath	Ath_AT4G32460.2.1	Ath_AT4G32460.2.1
CBM16	116	AT4G32460.3.1	325	0.00015	34	105	40	113	0.612068966	Arabidopsis_thaliana	Plant	CBM16_AT4G32460.3.1	Plant	Ath	Ath_AT4G32460.3.1	Ath_AT4G32460.3.1
CBM61	141	AT4G32460.3.1	325	0.0000056	1	117	151	288	0.822695036	Arabidopsis_thaliana	Plant	CBM61_AT4G32460.3.1	Plant	Ath	Ath_AT4G32460.3.1	Ath_AT4G32460.3.1
CBM16	116	AT4G32460.4.1	325	0.00015	34	105	40	113	0.612068966	Arabidopsis_thaliana	Plant	CBM16_AT4G32460.4.1	Plant	Ath	Ath_AT4G32460.4.1	Ath_AT4G32460.4.1
CBM61	141	AT4G32460.4.1	325	0.0000056	1	117	151	288	0.822695036	Arabidopsis_thaliana	Plant	CBM61_AT4G32460.4.1	Plant	Ath	Ath_AT4G32460.4.1	Ath_AT4G32460.4.1
CBM20	90	AT4G32490.1.1	221	0.00063	35	79	39	86	0.488888889	Arabidopsis_thaliana	Plant	CBM20_AT4G32490.1.1	Plant	Ath	Ath_AT4G32490.1.1	Ath_AT4G32490.1.1
GT47	296	AT4G32790.1.1	593	6.30E-86	2	296	264	547	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G32790.1.1	Plant	Ath	Ath_AT4G32790.1.1	Ath_AT4G32790.1.1
GT47	296	AT4G32790.2.1	593	6.30E-86	2	296	264	547	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G32790.2.1	Plant	Ath	Ath_AT4G32790.2.1	Ath_AT4G32790.2.1
GT47	296	AT4G32790.3.1	593	6.30E-86	2	296	264	547	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G32790.3.1	Plant	Ath	Ath_AT4G32790.3.1	Ath_AT4G32790.3.1
CE1	227	AT4G33180.1.1	307	7.80E-09	5	143	34	219	0.607929515	Arabidopsis_thaliana	Plant	CE1_AT4G33180.1.1	Plant	Ath	Ath_AT4G33180.1.1	Ath_AT4G33180.1.1
CE1	227	AT4G33180.2.1	218	0.000000015	5	142	34	162	0.603524229	Arabidopsis_thaliana	Plant	CE1_AT4G33180.2.1	Plant	Ath	Ath_AT4G33180.2.1	Ath_AT4G33180.2.1
CE8	288	AT4G33220.1.1	405	5.90E-110	2	288	213	508	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G33220.1.1	Plant	Ath	Ath_AT4G33220.1.1	Ath_AT4G33220.1.1
CE8	288	AT4G33220.2.1	404	2.70E-110	2	288	92	387	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G33220.2.1	Plant	Ath	Ath_AT4G33220.2.1	Ath_AT4G33220.2.1
CE8	288	AT4G33230.1.1	609	5.90E-110	2	288	297	592	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT4G33230.1.1	Plant	Ath	Ath_AT4G33230.1.1	Ath_AT4G33230.1.1
GT8	257	AT4G33330.1.1	596	5.90E-40	19	254	292	512	0.914396887	Arabidopsis_thaliana	Plant	GT8_AT4G33330.1.1	Plant	Ath	Ath_AT4G33330.1.1	Ath_AT4G33330.1.1
GT8	257	AT4G33330.2.1	626	6.50E-40	19	254	2									

GH28	325	AT4G33440.1.1	475	7.10E-84	10	322	103	449	0.96	Arabidopsis_thaliana	Plant	GH28_AT4G33440.1.1	Plant	Ath	Ath_AT4G33440.1.1	Ath_AT4G33440.1.1
CBM22	131	AT4G33810.1.1	529	4.20E-09	52	129	40	110	0.58778626	Arabidopsis_thaliana	Plant	CBM22_AT4G33810.1.1	Plant	Ath	Ath_AT4G33810.1.1	Ath_AT4G33810.1.1
GH10	303	AT4G33810.1.1	529	8.80E-57	7	267	170	431	0.858085809	Arabidopsis_thaliana	Plant	GH10_AT4G33810.1.1	Plant	Ath	Ath_AT4G33810.1.1	Ath_AT4G33810.1.1
CBM22	131	AT4G33810.2.1	569	4.30E-09	51	129	79	150	0.595419847	Arabidopsis_thaliana	Plant	CBM22_AT4G33810.2.1	Plant	Ath	Ath_AT4G33810.2.1	Ath_AT4G33810.2.1
GH10	303	AT4G33810.2.1	569	1.10E-56	8	267	211	471	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT4G33810.2.1	Plant	Ath	Ath_AT4G33810.2.1	Ath_AT4G33810.2.1
CBM22	131	AT4G33810.3.1	569	4.30E-09	51	129	79	150	0.595419847	Arabidopsis_thaliana	Plant	CBM22_AT4G33810.3.1	Plant	Ath	Ath_AT4G33810.3.1	Ath_AT4G33810.3.1
GH10	303	AT4G33810.3.1	569	1.10E-56	8	267	211	471	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT4G33810.3.1	Plant	Ath	Ath_AT4G33810.3.1	Ath_AT4G33810.3.1
CBM22	131	AT4G33810.4.1	569	4.30E-09	51	129	79	150	0.595419847	Arabidopsis_thaliana	Plant	CBM22_AT4G33810.4.1	Plant	Ath	Ath_AT4G33810.4.1	Ath_AT4G33810.4.1
GH10	303	AT4G33810.4.1	569	1.10E-56	8	267	211	471	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT4G33810.4.1	Plant	Ath	Ath_AT4G33810.4.1	Ath_AT4G33810.4.1
CBM22	131	AT4G33810.5.1	529	4.20E-09	52	129	40	110	0.58778626	Arabidopsis_thaliana	Plant	CBM22_AT4G33810.5.1	Plant	Ath	Ath_AT4G33810.5.1	Ath_AT4G33810.5.1
GH10	303	AT4G33810.5.1	529	8.80E-57	7	267	170	431	0.858085809	Arabidopsis_thaliana	Plant	GH10_AT4G33810.5.1	Plant	Ath	Ath_AT4G33810.5.1	Ath_AT4G33810.5.1
CBM22	131	AT4G33820.1.1	570	0.000000012	51	119	79	141	0.51908397	Arabidopsis_thaliana	Plant	CBM22_AT4G33820.1.1	Plant	Ath	Ath_AT4G33820.1.1	Ath_AT4G33820.1.1
GH10	303	AT4G33820.1.1	570	1.10E-59	7	268	210	472	0.861386139	Arabidopsis_thaliana	Plant	GH10_AT4G33820.1.1	Plant	Ath	Ath_AT4G33820.1.1	Ath_AT4G33820.1.1
CBM22	131	AT4G33830.1.1	576	1.70E-19	2	130	47	162	0.977099237	Arabidopsis_thaliana	Plant	CBM22_AT4G33830.1.1	Plant	Ath	Ath_AT4G33830.1.1	Ath_AT4G33830.1.1
GH10	303	AT4G33830.1.1	576	4.40E-62	8	272	222	485	0.871287129	Arabidopsis_thaliana	Plant	GH10_AT4G33830.1.1	Plant	Ath	Ath_AT4G33830.1.1	Ath_AT4G33830.1.1
CBM22	131	AT4G33840.1.1	576	5.50E-20	2	130	46	161	0.977099237	Arabidopsis_thaliana	Plant	CBM22_AT4G33840.1.1	Plant	Ath	Ath_AT4G33840.1.1	Ath_AT4G33840.1.1
GH10	303	AT4G33840.1.1	576	1.60E-58	9	268	222	480	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT4G33840.1.1	Plant	Ath	Ath_AT4G33840.1.1	Ath_AT4G33840.1.1
CBM22	131	AT4G33860.1.1	576	6.50E-19	2	130	46	161	0.977099237	Arabidopsis_thaliana	Plant	CBM22_AT4G33860.1.1	Plant	Ath	Ath_AT4G33860.1.1	Ath_AT4G33860.1.1
GH10	303	AT4G33860.1.1	576	1.10E-62	9	268	222	480	0.854785479	Arabidopsis_thaliana	Plant	GH10_AT4G33860.1.1	Plant	Ath	Ath_AT4G33860.1.1	Ath_AT4G33860.1.1
AA2	255	AT4G33870.1.1	404	1.60E-46	19	251	96	382	0.909803922	Arabidopsis_thaliana	Plant	AA2_AT4G33870.1.1	Plant	Ath	Ath_AT4G33870.1.1	Ath_AT4G33870.1.1
GT1	382	AT4G34131.1.1	481	4.80E-36	220	367	251	462	0.384816754	Arabidopsis_thaliana	Plant	GT1_AT4G34131.1.1	Plant	Ath	Ath_AT4G34131.1.1	Ath_AT4G34131.1.1
GT1	382	AT4G34135.1.1	483	5.60E-36	221	366	280	462	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT4G34135.1.1	Plant	Ath	Ath_AT4G34135.1.1	Ath_AT4G34135.1.1
GT1	382	AT4G34138.1.1	488	7.70E-34	221	366	279	459	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT4G34138.1.1	Plant	Ath	Ath_AT4G34138.1.1	Ath_AT4G34138.1.1
CE6	99	AT4G34215.1.1	260	3.30E-27	1	99	93	189	0.98989899	Arabidopsis_thaliana	Plant	CE6_AT4G34215.1.1	Plant	Ath	Ath_AT4G34215.1.1	Ath_AT4G34215.1.1
CE6	99	AT4G34215.2.1	260	3.30E-27	1	99	93	189	0.98989899	Arabidopsis_thaliana	Plant	CE6_AT4G34215.2.1	Plant	Ath	Ath_AT4G34215.2.1	Ath_AT4G34215.2.1
GH95	722	AT4G34260.1.1	843	1.40E-284	4	717	49	818	0.987534626	Arabidopsis_thaliana	Plant	GH95_AT4G34260.1.1	Plant	Ath	Ath_AT4G34260.1.1	Ath_AT4G34260.1.1
CBM43	83	AT4G34480.1.1	504	1.00E-30	1	82	364	445	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G34480.1.1	Plant	Ath	Ath_AT4G34480.1.1	Ath_AT4G34480.1.1
GH17	311	AT4G34480.1.1	504	5.40E-114	1	309	26	343	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT4G34480.1.1	Plant	Ath	Ath_AT4G34480.1.1	Ath_AT4G34480.1.1
GH17	311	AT4G34480.2.1	356	1.70E-114	1	309	26	343	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT4G34480.2.1	Plant	Ath	Ath_AT4G34480.2.1	Ath_AT4G34480.2.1
CBM43	83	AT4G34480.3.1	393	7.00E-31	1	82	253	334	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT4G34480.3.1	Plant	Ath	Ath_AT4G34480.3.1	Ath_AT4G34480.3.1
GH17	311	AT4G34480.3.1	393	1.90E-80	88	309	2	232	0.710610933	Arabidopsis_thaliana	Plant	GH17_AT4G34480.3.1	Plant	Ath	Ath_AT4G34480.3.1	Ath_AT4G34480.3.1
GH100	458	AT4G34860.1.1	571	3.80E-233	2	458	103	558	0.995633188	Arabidopsis_thaliana	Plant	GH100_AT4G34860.1.1	Plant	Ath	Ath_AT4G34860.1.1	Ath_AT4G34860.1.1
GH100	458	AT4G34860.2.1	571	3.80E-233	2	458	103	558	0.995633188	Arabidopsis_thaliana	Plant	GH100_AT4G34860.2.1	Plant	Ath	Ath_AT4G34860.2.1	Ath_AT4G34860.2.1
GH100	458	AT4G34860.3.1	571	3.80E-233	2	458	103	558	0.995633188	Arabidopsis_thaliana	Plant	GH100_AT4G34860.3.1	Plant	Ath	Ath_AT4G34860.3.1	Ath_AT4G34860.3.1
AA2	255	AT4G35000.1.1	287	1.30E-65	13	254	22	244	0.945098039	Arabidopsis_thaliana	Plant	AA2_AT4G35000.1.1	Plant	Ath	Ath_AT4G35000.1.1	Ath_AT4G35000.1.1
GH35	307	AT4G35010.1.1	845	7.80E-107	1	306	48	352	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT4G35010.1.1	Plant	Ath	Ath_AT4G35010.1.1	Ath_AT4G35010.1.1
GH28	325	AT4G35670.1.1	394	3.00E-98	9	323	53	377	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT4G35670.1.1	Plant	Ath	Ath_AT4G35670.1.1	Ath_AT4G35670.1.1
GH28	325	AT4G35670.2.1	287	2.70E-87	65	323	2	270	0.793846154	Arabidopsis_thaliana	Plant	GH28_AT4G35670.2.1	Plant	Ath	Ath_AT4G35670.2.1	Ath_AT4G35670.2.1
AA2	255	AT4G35970.1.1	229	1.50E-64	14	254	22	242	0.941176471	Arabidopsis_thaliana	Plant	AA2_AT4G35970.1.1	Plant	Ath	Ath_AT4G35970.1.1	Ath_AT4G35970.1.1
AA2	255	AT4G35970.2.1	273	4.00E-58	13	232	21	220	0.858823529	Arabidopsis_thaliana	Plant	AA2_AT4G35970.2.1	Plant	Ath	Ath_AT4G35970.2.1	Ath_AT4G35970.2.1
GH35	307	AT4G36360.1.1	856	5.00E-122	1	306	40	343	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT4G36360.1.1	Plant	Ath	Ath_AT4G36360.1.1	Ath_AT4G36360.1.1
GH35	307	AT4G36360.2.1	855	5.00E-122	1	306	40	343	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT4G36360.2.1	Plant	Ath	Ath_AT4G36360.2.1	Ath_AT4G36360.2.1
AA4	522	AT4G36400.1.1	559	3.00E-20	18	248	100	321	0.440613027	Arabidopsis_thaliana	Plant	AA4_AT4G36400.1.1	Plant	Ath	Ath_AT4G36400.1.1	Ath_AT4G36400.1.1
AA4	522	AT4G36400.2.1	559	3.00E-20	18	248	100	321	0.440613027	Arabidopsis_thaliana	Plant	AA4_AT4G36400.2.1	Plant	Ath	Ath_AT4G36400.2.1	Ath_AT4G36400.2.1
AA2	255	AT4G36430.1.1	331	7.20E-63	7	252	45	312	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT4G36430.1.1	Plant	Ath	Ath_AT4G36430.1.1	Ath_AT4G36430.1.1
CE1	227	AT4G36610.1.1	317	0.000000032	22	201	57	279	0.788546256	Arabidopsis_thaliana	Plant	CE1_AT4G36610.1.1	Plant	Ath	Ath_AT4G36610.1.1	Ath_AT4G36610.1.1
AA6	195	AT4G36750.1.1	273	3.90E-76	1	194	74	268	0.98974359	Arabidopsis_thaliana	Plant	AA6_AT4G36750.1.1	Plant	Ath	Ath_AT4G36750.1.1	Ath_AT4G36750.1.1
GT1	382	AT4G36770.1.1	457	1.80E-42	203	363	232	441	0.418848168	Arabidopsis_thaliana	Plant	GT1_AT4G36770.1.1	Plant	Ath	Ath_AT4G36770.1.1	Ath_AT4G36770.1.1
GT43	212	AT4G36890.1.1	525	1.20E-62	2	212	182	427	0.990566038	Arabidopsis_thaliana	Plant	GT43_AT4G36890.1.1	Plant	Ath	Ath_AT4G36890.1.1	Ath_AT4G36890.1.1
AA1	943	AT4G37160.1.1	541	9.00E-124	448	914	48	501	0.49416755	Arabidopsis_thaliana	Plant	AA1_AT4G37160.1.1	Plant	Ath	Ath_AT4G37160.1.1	Ath_AT4G37160.1.1
AA1	943	AT4G37160.2.1	449	2.30E-102	448	862	48	449	0.43902439	Arabidopsis_thaliana	Plant	AA1_AT4G37160.2.1	Plant	Ath	Ath_AT4G37160.2.1	Ath_AT4G37160.2.1
GT92	279	AT4G37420.1.1	588	6.10E-13	6	232	311	525	0.810035842	Arabidopsis_thaliana	Plant	GT92_AT4G37420.1.1	Plant	Ath	Ath_AT4G37420.1.1	Ath_AT4G37420.1.1
AA2	255	AT4G37520.1.1	329	2.60E-53	3	254	38	313	0.984313726	Arabidopsis_thaliana	Plant	AA2_AT4G37520.1.1	Plant	Ath	Ath_AT4G37520.1.1	Ath_AT4G37520.1.1
AA2	255	AT4G37520.2.1	326	1.20E-49	3	254	38	310	0.984313726	Arabidopsis_thaliana	Plant	AA2_AT4G37520.2.1	Plant	Ath	Ath_AT4G37520.2.1	Ath_AT4G37520.2.1
AA2	255	AT4G37530.1.1	329	1.10E-54	3	254	38	313	0.984313726	Arabidopsis_thaliana	Plant	AA2_AT4G37530.1.1	Plant	Ath	Ath_AT4G37530.1.1	Ath_AT4G37530.1.1
AA2	255	AT4G37530.2.1	282	6.00E-48	3	176	38	220	0.678431373	Arabidopsis_thaliana	Plant	AA2_AT4G37530.2.1	Plant	Ath	Ath_AT4G37530.2.1	Ath_AT4G37530.2.1
GT34	246	AT4G37690.1.1	432	7.80E-83	2	245	106	380	0.987804878	Arabidopsis_thaliana	Plant	GT34_AT4G37690.1.1	Plant	Ath	Ath_AT4G37690.1.1	Ath_AT4G37690.1.1
GH16	189	AT4G37800.1.1	293	4.80E-22	38	187	57	216	0.788359788	Arabidopsis_thaliana	Plant	GH16_AT4G37800.1.1	Plant	Ath	Ath_AT4G37800.1.1	Ath_AT4G37800.1.1
PL4	567	AT4G37950.1.1	678	1.20E-206	14	560	58	660	0.962962963	Arabidopsis_thaliana	Plant	PL4_AT4G37950.1.1	Plant	Ath	Ath_AT4G37950.1.1	Ath_AT4G37950.1.1
PL4	567	AT4G37950.2.1	678	1.20E-206	14	560	58	660	0.962962963	Arabidopsis_thaliana	Plant	PL4_AT4G37950.2.1	Plant	Ath	Ath_AT4G37950.2.1	Ath_AT4G37950.2.1
PL4	567	AT4G38030.1.1	667	1.70E-203	14	560	51	649	0.962962963	Arabidopsis_thaliana	Plant	PL4_AT4G38030.1.1	Plant	Ath	Ath_AT4G38030.1.1	Ath_AT4G38030.1.1
GT47	296	AT4G38040.1.1	425	8.90E-74	2	296	101	378	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G38040.1.1	Plant	Ath	Ath_AT4G38040.1.1	Ath_AT4G38040.1.1
GT47	296	AT4G38040.2.1	407	7.80E-74	2	296	101	378	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT4G38040.2.1	Plant	Ath	Ath_AT4G38040.2.1	Ath_AT4G38040.2.1
GT2_Cellulose_synt	722	AT4G38190.1.1	1111	1.50E-194	351	711	715	1094	0.498614958	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G38190.1.1	Plant	Ath	Ath_AT4G38190.1.1	Ath_AT4G38190.1.1
GT2_Cellulose_synt	722	AT4G38190.1.1	1111	1.00E-177	1	303	356	706	0.418282549	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G38190.1.1	Plant	Ath	Ath_AT4G38190.1.1	Ath_AT4G38190.1.1
GT13	3															

AA1	943	AT4G38420.1.1	549	2.90E-133	448	915	47	506	0.495227996	Arabidopsis_thaliana	Plant	AA1_AT4G38420.1.1	Plant	Ath	Ath_AT4G38420.1.1	Ath_AT4G38420.1.1
AA1	943	AT4G38420.2.1	454	5.90E-108	448	862	47	454	0.43902439	Arabidopsis_thaliana	Plant	AA1_AT4G38420.2.1	Plant	Ath	Ath_AT4G38420.2.1	Ath_AT4G38420.2.1
AA1	943	AT4G38420.3.1	500	6.00E-120	448	890	47	482	0.468716861	Arabidopsis_thaliana	Plant	AA1_AT4G38420.3.1	Plant	Ath	Ath_AT4G38420.3.1	Ath_AT4G38420.3.1
GH35	307	AT4G38590.1.1	817	1.60E-94	24	306	1	282	0.918566775	Arabidopsis_thaliana	Plant	GH35_AT4G38590.1.1	Plant	Ath	Ath_AT4G38590.1.1	Ath_AT4G38590.1.1
GH35	307	AT4G38590.2.1	1052	1.50E-95	20	306	65	350	0.931596091	Arabidopsis_thaliana	Plant	GH35_AT4G38590.2.1	Plant	Ath	Ath_AT4G38590.2.1	Ath_AT4G38590.2.1
CBM22	131	AT4G38650.1.1	562	2.00E-10	56	130	83	154	0.564885496	Arabidopsis_thaliana	Plant	CBM22_AT4G38650.1.1	Plant	Ath	Ath_AT4G38650.1.1	Ath_AT4G38650.1.1
GH10	303	AT4G38650.1.1	562	4.60E-66	9	270	217	477	0.861386139	Arabidopsis_thaliana	Plant	GH10_AT4G38650.1.1	Plant	Ath	Ath_AT4G38650.1.1	Ath_AT4G38650.1.1
GH9	418	AT4G38990.1.1	347	1.10E-82	1	325	23	333	0.775119617	Arabidopsis_thaliana	Plant	GH9_AT4G38990.1.1	Plant	Ath	Ath_AT4G38990.1.1	Ath_AT4G38990.1.1
GH9	418	AT4G38990.2.1	494	2.10E-126	1	418	23	487	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G38990.2.1	Plant	Ath	Ath_AT4G38990.2.1	Ath_AT4G38990.2.1
GH9	418	AT4G39000.1.1	493	3.00E-127	1	418	25	484	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G39000.1.1	Plant	Ath	Ath_AT4G39000.1.1	Ath_AT4G39000.1.1
GH9	418	AT4G39010.1.1	497	6.30E-132	1	418	29	488	0.997607656	Arabidopsis_thaliana	Plant	GH9_AT4G39010.1.1	Plant	Ath	Ath_AT4G39010.1.1	Ath_AT4G39010.1.1
GH9	418	AT4G39010.2.1	389	4.10E-93	1	334	29	387	0.796650718	Arabidopsis_thaliana	Plant	GH9_AT4G39010.2.1	Plant	Ath	Ath_AT4G39010.2.1	Ath_AT4G39010.2.1
CBM57	147	AT4G39110.1.1	878	4.10E-15	4	147	60	206	0.972789116	Arabidopsis_thaliana	Plant	CBM57_AT4G39110.1.1	Plant	Ath	Ath_AT4G39110.1.1	Ath_AT4G39110.1.1
CBM57	147	AT4G39110.1.1	878	1.40E-13	1	143	240	407	0.965986395	Arabidopsis_thaliana	Plant	CBM57_AT4G39110.1.1	Plant	Ath	Ath_AT4G39110.1.1	Ath_AT4G39110.1.1
GT2_Cellulose_synt	722	AT4G39350.1.1	1084	0	1	714	356	1071	0.987534626	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT4G39350.1.1	Plant	Ath	Ath_AT4G39350.1.1	Ath_AT4G39350.1.1
AA1	943	AT4G39830.1.1	582	1.30E-142	2	545	34	560	0.575821845	Arabidopsis_thaliana	Plant	AA1_AT4G39830.1.1	Plant	Ath	Ath_AT4G39830.1.1	Ath_AT4G39830.1.1
AA1	943	AT4G39830.2.1	487	1.00E-109	66	545	3	465	0.50795334	Arabidopsis_thaliana	Plant	AA1_AT4G39830.2.1	Plant	Ath	Ath_AT4G39830.2.1	Ath_AT4G39830.2.1
AA1	943	AT4G39830.3.1	485	1.20E-109	67	545	2	463	0.5068892895	Arabidopsis_thaliana	Plant	AA1_AT4G39830.3.1	Plant	Ath	Ath_AT4G39830.3.1	Ath_AT4G39830.3.1
AA1	943	AT4G39830.4.1	474	3.50E-96	75	545	3	452	0.498409332	Arabidopsis_thaliana	Plant	AA1_AT4G39830.4.1	Plant	Ath	Ath_AT4G39830.4.1	Ath_AT4G39830.4.1
CE1	227	AT4G39955.1.1	328	4.10E-10	26	143	49	173	0.515418502	Arabidopsis_thaliana	Plant	CE1_AT4G39955.1.1	Plant	Ath	Ath_AT4G39955.1.1	Ath_AT4G39955.1.1
AA1	943	AT5G01040.1.1	584	4.20E-130	1	553	25	559	0.585365854	Arabidopsis_thaliana	Plant	AA1_AT5G01040.1.1	Plant	Ath	Ath_AT5G01040.1.1	Ath_AT5G01040.1.1
AA1	943	AT5G01050.1.1	586	2.40E-132	1	553	25	561	0.585365854	Arabidopsis_thaliana	Plant	AA1_AT5G01050.1.1	Plant	Ath	Ath_AT5G01050.1.1	Ath_AT5G01050.1.1
AA1	943	AT5G01190.1.1	558	1.30E-174	2	551	23	546	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G01190.1.1	Plant	Ath	Ath_AT5G01190.1.1	Ath_AT5G01190.1.1
AA1	943	AT5G01190.2.1	544	5.00E-165	22	551	29	532	0.56097561	Arabidopsis_thaliana	Plant	AA1_AT5G01190.2.1	Plant	Ath	Ath_AT5G01190.2.1	Ath_AT5G01190.2.1
GT4	160	AT5G01220.1.1	510	3.40E-37	6	158	305	452	0.95	Arabidopsis_thaliana	Plant	GT4_AT5G01220.1.1	Plant	Ath	Ath_AT5G01220.1.1	Ath_AT5G01220.1.1
GT4	160	AT5G01220.2.1	433	1.50E-28	6	127	305	418	0.75625	Arabidopsis_thaliana	Plant	GT4_AT5G01220.2.1	Plant	Ath	Ath_AT5G01220.2.1	Ath_AT5G01220.2.1
GT32	90	AT5G01250.1.1	407	6.00E-14	6	88	145	255	0.911111111	Arabidopsis_thaliana	Plant	GT32_AT5G01250.1.1	Plant	Ath	Ath_AT5G01250.1.1	Ath_AT5G01250.1.1
CBM20	90	AT5G01260.1.1	306	6.90E-22	1	88	87	174	0.966666667	Arabidopsis_thaliana	Plant	CBM20_AT5G01260.1.1	Plant	Ath	Ath_AT5G01260.1.1	Ath_AT5G01260.1.1
CBM20	90	AT5G01260.2.1	385	1.10E-21	1	88	87	174	0.966666667	Arabidopsis_thaliana	Plant	CBM20_AT5G01260.2.1	Plant	Ath	Ath_AT5G01260.2.1	Ath_AT5G01260.2.1
CBM20	90	AT5G01260.3.1	297	6.50E-22	1	88	87	174	0.966666667	Arabidopsis_thaliana	Plant	CBM20_AT5G01260.3.1	Plant	Ath	Ath_AT5G01260.3.1	Ath_AT5G01260.3.1
GH5	275	AT5G01930.1.1	448	1.90E-33	6	240	58	392	0.850909091	Arabidopsis_thaliana	Plant	GH5_AT5G01930.1.1	Plant	Ath	Ath_AT5G01930.1.1	Ath_AT5G01930.1.1
GT59	404	AT5G02410.1.1	509	8.00E-145	2	404	24	461	0.995049505	Arabidopsis_thaliana	Plant	GT59_AT5G02410.1.1	Plant	Ath	Ath_AT5G02410.1.1	Ath_AT5G02410.1.1
AA1	943	AT5G03260.1.1	557	9.50E-167	1	550	23	543	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G03260.1.1	Plant	Ath	Ath_AT5G03260.1.1	Ath_AT5G03260.1.1
CBM48	76	AT5G03420.1.1	598	0.00019	21	67	522	579	0.605263158	Arabidopsis_thaliana	Plant	CBM48_AT5G03420.1.1	Plant	Ath	Ath_AT5G03420.1.1	Ath_AT5G03420.1.1
GT1	382	AT5G03490.1.1	465	1.40E-29	95	366	119	439	0.709424084	Arabidopsis_thaliana	Plant	GT1_AT5G03490.1.1	Plant	Ath	Ath_AT5G03490.1.1	Ath_AT5G03490.1.1
CE16	267	AT5G03610.1.1	359	7.90E-16	1	257	44	339	0.958801498	Arabidopsis_thaliana	Plant	CE16_AT5G03610.1.1	Plant	Ath	Ath_AT5G03610.1.1	Ath_AT5G03610.1.1
CBM48	76	AT5G03650.1.1	805	1.70E-10	2	60	169	244	0.763157895	Arabidopsis_thaliana	Plant	CBM48_AT5G03650.1.1	Plant	Ath	Ath_AT5G03650.1.1	Ath_AT5G03650.1.1
GH13	299	AT5G03650.1.1	805	5.30E-27	22	290	318	639	0.89632107	Arabidopsis_thaliana	Plant	GH13_AT5G03650.1.1	Plant	Ath	Ath_AT5G03650.1.1	Ath_AT5G03650.1.1
GT2	168	AT5G03760.1.1	533	2.60E-29	3	167	102	277	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT5G03760.1.1	Plant	Ath	Ath_AT5G03760.1.1	Ath_AT5G03760.1.1
GT30	177	AT5G03770.1.1	447	1.20E-64	2	175	39	218	0.97740113	Arabidopsis_thaliana	Plant	GT30_AT5G03770.1.1	Plant	Ath	Ath_AT5G03770.1.1	Ath_AT5G03770.1.1
GT30	177	AT5G03770.2.1	321	5.10E-65	2	175	39	218	0.97740113	Arabidopsis_thaliana	Plant	GT30_AT5G03770.2.1	Plant	Ath	Ath_AT5G03770.2.1	Ath_AT5G03770.2.1
GT30	177	AT5G03770.3.1	380	3.20E-50	27	175	1	151	0.836158192	Arabidopsis_thaliana	Plant	GT30_AT5G03770.3.1	Plant	Ath	Ath_AT5G03770.3.1	Ath_AT5G03770.3.1
GT47	296	AT5G03795.1.1	518	3.80E-87	2	296	187	468	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT5G03795.1.1	Plant	Ath	Ath_AT5G03795.1.1	Ath_AT5G03795.1.1
CE16	267	AT5G03810.1.1	353	2.60E-19	43	266	92	344	0.835205993	Arabidopsis_thaliana	Plant	CE16_AT5G03810.1.1	Plant	Ath	Ath_AT5G03810.1.1	Ath_AT5G03810.1.1
CE16	267	AT5G03820.1.1	357	1.40E-18	43	266	95	348	0.835205993	Arabidopsis_thaliana	Plant	CE16_AT5G03820.1.1	Plant	Ath	Ath_AT5G03820.1.1	Ath_AT5G03820.1.1
CE16	267	AT5G03820.2.1	385	1.80E-18	43	266	123	376	0.835205993	Arabidopsis_thaliana	Plant	CE16_AT5G03820.2.1	Plant	Ath	Ath_AT5G03820.2.1	Ath_AT5G03820.2.1
PL1	202	AT5G04310.1.1	518	4.10E-60	16	200	161	362	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT5G04310.1.1	Plant	Ath	Ath_AT5G04310.1.1	Ath_AT5G04310.1.1
PL1	202	AT5G04310.2.1	518	4.10E-60	16	200	161	362	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT5G04310.2.1	Plant	Ath	Ath_AT5G04310.2.1	Ath_AT5G04310.2.1
PL1	202	AT5G04310.3.1	475	3.40E-60	15	200	160	362	0.915841584	Arabidopsis_thaliana	Plant	PL1_AT5G04310.3.1	Plant	Ath	Ath_AT5G04310.3.1	Ath_AT5G04310.3.1
CBM48	76	AT5G04360.1.1	965	4.60E-14	1	70	206	294	0.907894737	Arabidopsis_thaliana	Plant	CBM48_AT5G04360.1.1	Plant	Ath	Ath_AT5G04360.1.1	Ath_AT5G04360.1.1
GH13	299	AT5G04360.1.1	965	3.00E-28	14	291	365	772	0.926421405	Arabidopsis_thaliana	Plant	GH13_AT5G04360.1.1	Plant	Ath	Ath_AT5G04360.1.1	Ath_AT5G04360.1.1
CBM48	76	AT5G04360.2.1	965	4.60E-14	1	70	206	294	0.907894737	Arabidopsis_thaliana	Plant	CBM48_AT5G04360.2.1	Plant	Ath	Ath_AT5G04360.2.1	Ath_AT5G04360.2.1
GH13	299	AT5G04360.2.1	965	3.00E-28	14	291	365	772	0.926421405	Arabidopsis_thaliana	Plant	GH13_AT5G04360.2.1	Plant	Ath	Ath_AT5G04360.2.1	Ath_AT5G04360.2.1
GT4	160	AT5G04480.1.1	1050	2.20E-11	49	155	408	515	0.6625	Arabidopsis_thaliana	Plant	GT4_AT5G04480.1.1	Plant	Ath	Ath_AT5G04480.1.1	Ath_AT5G04480.1.1
GT4	160	AT5G04480.2.1	1035	2.10E-11	49	155	393	500	0.6625	Arabidopsis_thaliana	Plant	GT4_AT5G04480.2.1	Plant	Ath	Ath_AT5G04480.2.1	Ath_AT5G04480.2.1
GT64	248	AT5G04500.1.1	765	3.80E-71	1	239	518	754	0.959677419	Arabidopsis_thaliana	Plant	GT64_AT5G04500.1.1	Plant	Ath	Ath_AT5G04500.1.1	Ath_AT5G04500.1.1
GH3	216	AT5G04885.1.1	665	1.30E-74	3	216	107	342	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT5G04885.1.1	Plant	Ath	Ath_AT5G04885.1.1	Ath_AT5G04885.1.1
GH3	216	AT5G04885.2.1	682	1.40E-74	3	216	124	359	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT5G04885.2.1	Plant	Ath	Ath_AT5G04885.2.1	Ath_AT5G04885.2.1
GH3	216	AT5G04885.3.1	665	1.30E-74	3	216	107	342	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT5G04885.3.1	Plant	Ath	Ath_AT5G04885.3.1	Ath_AT5G04885.3.1
CE8	288	AT5G04960.1.1	654	1.80E-108	2	288	258	549	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT5G04960.1.1	Plant	Ath	Ath_AT5G04960.1.1	Ath_AT5G04960.1.1
CE8	288	AT5G04970.1.1	624	2.90E-105	2	286	308	603	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT5G04970.1.1	Plant	Ath	Ath_AT5G04970.1.1	Ath_AT5G04970.1.1
GT2_Cellulose_synt	722	AT5G05170.1.1	1065	0	1	718	338	1057	0.993074792	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G05170.1.1	Plant	Ath	Ath_AT5G05170.1.1	Ath_AT5G05170.1.1
CBM63	78	AT5G05290.1.1	255	0.00099	25	70	190	235	0.576923077	Arabidopsis_thaliana	Plant	CBM63_AT5G05290.1.1	Plant	Ath	Ath_AT5G05290.1.1	Ath_AT5G05290.1.1
AA2	255	AT5G05340.1.1	324	3.30E-58	3	251	41	305	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT5G05340.1.1	Plant	Ath	Ath_AT5G05340.1.1	Ath_AT5G05340.1.1
AA1	943	AT5G05390.1.1	565	1.90E-183	1	550	24	551	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G05390.1.1	Plant	Ath	Ath_AT5G05390.1.1	Ath_AT5G05390.1.1
GH85	315	AT5G05460.1.1	680	8.50E-92	1	312	71	351								

CE10	341	AT5G06570.1.1	329	5.70E-68	58	335	38	327	0.812316716	Arabidopsis_thaliana	Plant	CE10_AT5G06570.1.1	Plant	Ath	Ath_AT5G06570.1.1	Ath_AT5G06570.1.1
CE10	341	AT5G06570.2.1	329	5.70E-68	58	335	38	327	0.812316716	Arabidopsis_thaliana	Plant	CE10_AT5G06570.2.1	Plant	Ath	Ath_AT5G06570.2.1	Ath_AT5G06570.2.1
CE10	341	AT5G06570.3.1	344	6.60E-68	58	335	53	342	0.812316716	Arabidopsis_thaliana	Plant	CE10_AT5G06570.3.1	Plant	Ath	Ath_AT5G06570.3.1	Ath_AT5G06570.3.1
CE10	341	AT5G06570.4.1	344	6.60E-68	58	335	53	342	0.812316716	Arabidopsis_thaliana	Plant	CE10_AT5G06570.4.1	Plant	Ath	Ath_AT5G06570.4.1	Ath_AT5G06570.4.1
AA4	522	AT5G06580.1.1	567	5.40E-24	14	252	107	335	0.455938697	Arabidopsis_thaliana	Plant	AA4_AT5G06580.1.1	Plant	Ath	Ath_AT5G06580.1.1	Ath_AT5G06580.1.1
AA2	255	AT5G06720.1.1	335	2.50E-58	6	251	50	314	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT5G06720.1.1	Plant	Ath	Ath_AT5G06720.1.1	Ath_AT5G06720.1.1
AA2	255	AT5G06730.1.1	358	5.00E-57	7	252	52	316	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT5G06730.1.1	Plant	Ath	Ath_AT5G06730.1.1	Ath_AT5G06730.1.1
AA1	943	AT5G07130.1.1	569	4.70E-168	1	549	21	552	0.581124072	Arabidopsis_thaliana	Plant	AA1_AT5G07130.1.1	Plant	Ath	Ath_AT5G07130.1.1	Ath_AT5G07130.1.1
AA1	943	AT5G07130.2.1	484	1.90E-138	66	549	1	467	0.512195122	Arabidopsis_thaliana	Plant	AA1_AT5G07130.2.1	Plant	Ath	Ath_AT5G07130.2.1	Ath_AT5G07130.2.1
AA1	943	AT5G07130.3.1	484	1.90E-138	66	549	1	467	0.512195122	Arabidopsis_thaliana	Plant	AA1_AT5G07130.3.1	Plant	Ath	Ath_AT5G07130.3.1	Ath_AT5G07130.3.1
CE8	288	AT5G07410.1.1	361	1.10E-84	6	287	71	350	0.975694444	Arabidopsis_thaliana	Plant	CE8_AT5G07410.1.1	Plant	Ath	Ath_AT5G07410.1.1	Ath_AT5G07410.1.1
CE8	288	AT5G07420.1.1	361	1.60E-89	2	287	67	350	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G07420.1.1	Plant	Ath	Ath_AT5G07420.1.1	Ath_AT5G07420.1.1
CE8	288	AT5G07430.1.1	361	6.70E-91	2	287	67	350	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G07430.1.1	Plant	Ath	Ath_AT5G07430.1.1	Ath_AT5G07430.1.1
GT34	246	AT5G07720.1.1	457	7.10E-81	2	244	149	388	0.983739837	Arabidopsis_thaliana	Plant	GT34_AT5G07720.1.1	Plant	Ath	Ath_AT5G07720.1.1	Ath_AT5G07720.1.1
GH79	455	AT5G07830.1.1	543	2.00E-154	1	455	44	537	0.997802198	Arabidopsis_thaliana	Plant	GH79_AT5G07830.1.1	Plant	Ath	Ath_AT5G07830.1.1	Ath_AT5G07830.1.1
CBM43	83	AT5G08000.1.1	194	1.30E-28	1	82	21	102	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G08000.1.1	Plant	Ath	Ath_AT5G08000.1.1	Ath_AT5G08000.1.1
CBM43	83	AT5G08000.2.1	213	1.60E-28	1	82	40	121	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G08000.2.1	Plant	Ath	Ath_AT5G08000.2.1	Ath_AT5G08000.2.1
CBM50	40	AT5G08200.1.1	409	0.00074	1	29	80	107	0.7	Arabidopsis_thaliana	Plant	CBM50_AT5G08200.1.1	Plant	Ath	Ath_AT5G08200.1.1	Ath_AT5G08200.1.1
CE16	267	AT5G08460.1.1	385	6.20E-17	2	263	51	363	0.97752809	Arabidopsis_thaliana	Plant	CE16_AT5G08460.1.1	Plant	Ath	Ath_AT5G08460.1.1	Ath_AT5G08460.1.1
PL1	202	AT5G09280.1.1	297	1.80E-60	16	200	39	240	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT5G09280.1.1	Plant	Ath	Ath_AT5G09280.1.1	Ath_AT5G09280.1.1
AA1	943	AT5G09360.1.1	569	6.20E-149	1	551	33	555	0.583244963	Arabidopsis_thaliana	Plant	AA1_AT5G09360.1.1	Plant	Ath	Ath_AT5G09360.1.1	Ath_AT5G09360.1.1
CE1	227	AT5G09430.1.1	311	0.00000026	10	142	48	166	0.581497797	Arabidopsis_thaliana	Plant	CE1_AT5G09430.1.1	Plant	Ath	Ath_AT5G09430.1.1	Ath_AT5G09430.1.1
GH3	216	AT5G09730.1.1	773	5.40E-71	3	215	82	331	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G09730.1.1	Plant	Ath	Ath_AT5G09730.1.1	Ath_AT5G09730.1.1
CE8	288	AT5G09760.1.1	551	4.10E-110	1	287	240	542	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT5G09760.1.1	Plant	Ath	Ath_AT5G09760.1.1	Ath_AT5G09760.1.1
CE8	288	AT5G09760.2.1	577	4.60E-110	1	287	266	568	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT5G09760.2.1	Plant	Ath	Ath_AT5G09760.2.1	Ath_AT5G09760.2.1
GT2_Cellulose_synt	722	AT5G09870.1.1	1069	0	1	714	343	1057	0.987534626	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G09870.1.1	Plant	Ath	Ath_AT5G09870.1.1	Ath_AT5G09870.1.1
GH3	216	AT5G10560.1.1	792	3.90E-71	2	215	74	342	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT5G10560.1.1	Plant	Ath	Ath_AT5G10560.1.1	Ath_AT5G10560.1.1
GT4	160	AT5G11110.1.1	1047	1.10E-43	5	157	474	642	0.95	Arabidopsis_thaliana	Plant	GT4_AT5G11110.1.1	Plant	Ath	Ath_AT5G11110.1.1	Ath_AT5G11110.1.1
GT47	296	AT5G11130.1.1	480	4.30E-87	2	296	146	429	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT5G11130.1.1	Plant	Ath	Ath_AT5G11130.1.1	Ath_AT5G11130.1.1
GT47	296	AT5G11130.2.1	336	1.40E-87	2	296	2	285	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT5G11130.2.1	Plant	Ath	Ath_AT5G11130.2.1	Ath_AT5G11130.2.1
AA7	458	AT5G11540.1.1	585	2.30E-13	7	157	47	209	0.327510917	Arabidopsis_thaliana	Plant	AA7_AT5G11540.1.1	Plant	Ath	Ath_AT5G11540.1.1	Ath_AT5G11540.1.1
GT47	296	AT5G11610.1.1	546	1.10E-81	3	296	218	498	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G11610.1.1	Plant	Ath	Ath_AT5G11610.1.1	Ath_AT5G11610.1.1
GT47	296	AT5G11610.2.1	453	1.20E-53	3	242	218	444	0.807432432	Arabidopsis_thaliana	Plant	GT47_AT5G11610.2.1	Plant	Ath	Ath_AT5G11610.2.1	Ath_AT5G11610.2.1
GT47	296	AT5G11610.3.1	346	2.90E-30	3	120	218	329	0.39527027	Arabidopsis_thaliana	Plant	GT47_AT5G11610.3.1	Plant	Ath	Ath_AT5G11610.3.1	Ath_AT5G11610.3.1
GH31	427	AT5G11720.1.1	902	5.20E-160	2	427	283	750	0.995316159	Arabidopsis_thaliana	Plant	GH31_AT5G11720.1.1	Plant	Ath	Ath_AT5G11720.1.1	Ath_AT5G11720.1.1
GT14	250	AT5G11730.1.1	386	6.50E-16	63	242	176	331	0.716	Arabidopsis_thaliana	Plant	GT14_AT5G11730.1.1	Plant	Ath	Ath_AT5G11730.1.1	Ath_AT5G11730.1.1
CE1	227	AT5G11910.1.1	297	0.00000048	86	219	100	261	0.585903084	Arabidopsis_thaliana	Plant	CE1_AT5G11910.1.1	Plant	Ath	Ath_AT5G11910.1.1	Ath_AT5G11910.1.1
CE1	227	AT5G11910.4.1	315	0.00000071	86	219	118	279	0.585903084	Arabidopsis_thaliana	Plant	CE1_AT5G11910.4.1	Plant	Ath	Ath_AT5G11910.4.1	Ath_AT5G11910.4.1
GH32	293	AT5G11920.1.1	550	9.90E-82	1	293	21	341	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT5G11920.1.1	Plant	Ath	Ath_AT5G11920.1.1	Ath_AT5G11920.1.1
GH32	293	AT5G11920.2.1	426	4.60E-82	1	293	21	341	0.996587031	Arabidopsis_thaliana	Plant	GH32_AT5G11920.2.1	Plant	Ath	Ath_AT5G11920.2.1	Ath_AT5G11920.2.1
GH32	293	AT5G11920.3.1	515	3.00E-72	16	293	1	306	0.945392492	Arabidopsis_thaliana	Plant	GH32_AT5G11920.3.1	Plant	Ath	Ath_AT5G11920.3.1	Ath_AT5G11920.3.1
GT31	192	AT5G12460.1.1	441	2.30E-11	67	164	116	197	0.505208333	Arabidopsis_thaliana	Plant	GT31_AT5G12460.1.1	Plant	Ath	Ath_AT5G12460.1.1	Ath_AT5G12460.1.1
GT1	382	AT5G12890.1.1	488	5.40E-34	205	367	249	461	0.42408377	Arabidopsis_thaliana	Plant	GT1_AT5G12890.1.1	Plant	Ath	Ath_AT5G12890.1.1	Ath_AT5G12890.1.1
CBM42	136	AT5G12950.1.1	861	0.00031	22	95	746	825	0.536764706	Arabidopsis_thaliana	Plant	CBM42_AT5G12950.1.1	Plant	Ath	Ath_AT5G12950.1.1	Ath_AT5G12950.1.1
GH127	524	AT5G12950.1.1	861	1.00E-24	261	521	363	632	0.496183206	Arabidopsis_thaliana	Plant	GH127_AT5G12950.1.1	Plant	Ath	Ath_AT5G12950.1.1	Ath_AT5G12950.1.1
CBM42	136	AT5G12960.1.1	865	0.00015	22	96	750	830	0.544117647	Arabidopsis_thaliana	Plant	CBM42_AT5G12960.1.1	Plant	Ath	Ath_AT5G12960.1.1	Ath_AT5G12960.1.1
GH127	524	AT5G12960.1.1	865	8.50E-26	262	521	368	636	0.494274809	Arabidopsis_thaliana	Plant	GH127_AT5G12960.1.1	Plant	Ath	Ath_AT5G12960.1.1	Ath_AT5G12960.1.1
GT48	739	AT5G13000.1.1	1955	0	2	732	1057	1810	0.98782138	Arabidopsis_thaliana	Plant	GT48_AT5G13000.1.1	Plant	Ath	Ath_AT5G13000.1.1	Ath_AT5G13000.1.1
GT48	739	AT5G13000.2.1	1914	0	2	727	1057	1785	0.98105548	Arabidopsis_thaliana	Plant	GT48_AT5G13000.2.1	Plant	Ath	Ath_AT5G13000.2.1	Ath_AT5G13000.2.1
GT95	294	AT5G13500.1.1	358	3.80E-147	1	294	63	355	0.99659864	Arabidopsis_thaliana	Plant	GT95_AT5G13500.1.1	Plant	Ath	Ath_AT5G13500.1.1	Ath_AT5G13500.1.1
GT95	294	AT5G13500.2.1	358	3.80E-147	1	294	63	355	0.99659864	Arabidopsis_thaliana	Plant	GT95_AT5G13500.2.1	Plant	Ath	Ath_AT5G13500.2.1	Ath_AT5G13500.2.1
GT95	294	AT5G13500.3.1	358	3.80E-147	1	294	63	355	0.99659864	Arabidopsis_thaliana	Plant	GT95_AT5G13500.3.1	Plant	Ath	Ath_AT5G13500.3.1	Ath_AT5G13500.3.1
GH89	663	AT5G13690.1.1	806	3.10E-270	3	662	93	802	0.993966818	Arabidopsis_thaliana	Plant	GH89_AT5G13690.1.1	Plant	Ath	Ath_AT5G13690.1.1	Ath_AT5G13690.1.1
GH89	663	AT5G13690.2.1	622	1.00E-205	3	487	93	622	0.730015083	Arabidopsis_thaliana	Plant	GH89_AT5G13690.2.1	Plant	Ath	Ath_AT5G13690.2.1	Ath_AT5G13690.2.1
CE1	227	AT5G13800.1.1	484	0.000000049	104	174	214	308	0.308370044	Arabidopsis_thaliana	Plant	CE1_AT5G13800.1.1	Plant	Ath	Ath_AT5G13800.1.1	Ath_AT5G13800.1.1
CE7	313	AT5G13800.1.1	484	0.0000002	79	210	115	252	0.418530351	Arabidopsis_thaliana	Plant	CE7_AT5G13800.1.1	Plant	Ath	Ath_AT5G13800.1.1	Ath_AT5G13800.1.1
CE1	227	AT5G13800.2.1	484	0.000000049	104	174	214	308	0.308370044	Arabidopsis_thaliana	Plant	CE1_AT5G13800.2.1	Plant	Ath	Ath_AT5G13800.2.1	Ath_AT5G13800.2.1
CE7	313	AT5G13800.2.1	484	0.0000002	79	210	115	252	0.418530351	Arabidopsis_thaliana	Plant	CE7_AT5G13800.2.1	Plant	Ath	Ath_AT5G13800.2.1	Ath_AT5G13800.2.1
CE1	227	AT5G13800.3.1	507	0.000000053	104	174	237	331	0.308370044	Arabidopsis_thaliana	Plant	CE1_AT5G13800.3.1	Plant	Ath	Ath_AT5G13800.3.1	Ath_AT5G13800.3.1
CE7	313	AT5G13800.3.1	507	0.00000022	79	209	138	274	0.415335463	Arabidopsis_thaliana	Plant	CE7_AT5G13800.3.1	Plant	Ath	Ath_AT5G13800.3.1	Ath_AT5G13800.3.1
CE1	227	AT5G13800.4.1	402	0.000000034	104	174	214	308	0.308370044	Arabidopsis_thaliana	Plant	CE1_AT5G13800.4.1	Plant	Ath	Ath_AT5G13800.4.1	Ath_AT5G13800.4.1
CE7	313	AT5G13800.4.1	402	0.00000014	79	210	115	252	0.418530351	Arabidopsis_thaliana	Plant	CE7_AT5G13800.4.1	Plant	Ath	Ath_AT5G13800.4.1	Ath_AT5G13800.4.1
GH16	189	AT5G13870.1.1	293	1.20E-23	32	176	45	210	0.761904762	Arabidopsis_thaliana	Plant	GH16_AT5G13870.1.1	Plant	Ath	Ath_AT5G13870.1.1	Ath_AT5G13870.1.1
GH16	189	AT5G13870.2.1	293	1.20E-23	32	176	45	210	0.761904762	Arabidopsis_thaliana	Plant	GH16_AT5G13870.2.1	Plant	Ath	Ath_AT5G13870.2.1	Ath_AT5G13870.2.1
GH16	189	AT5G13870.3.1	293	1.20E-23	32	176	45	210	0.761904762	Arabidopsis_thaliana	Plant	GH16_AT5G13870.3.1	Plant	Ath	Ath_AT5G13870.3.1	Ath_AT5G13870.3.1
GH38	269	AT5G13980.1.1	1024	4.70E-74												

CE16	267	AT5G14450.1.1	389	1.80E-18	57	263	111	367	0.771535581	Arabidopsis_thaliana	Plant	CE16_AT5G14450.1.1	Plant	Ath	Ath_AT5G14450.1.1	Ath_AT5G14450.1.1
GT17	284	AT5G14480.1.1	387	1.30E-125	2	284	93	379	0.992957747	Arabidopsis_thaliana	Plant	GT17_AT5G14480.1.1	Plant	Ath	Ath_AT5G14480.1.1	Ath_AT5G14480.1.1
GT14	250	AT5G14550.1.1	377	4.80E-12	59	240	122	297	0.724	Arabidopsis_thaliana	Plant	GT14_AT5G14550.1.1	Plant	Ath	Ath_AT5G14550.1.1	Ath_AT5G14550.1.1
GT14	250	AT5G14550.2.1	346	1.50E-14	59	240	122	284	0.724	Arabidopsis_thaliana	Plant	GT14_AT5G14550.2.1	Plant	Ath	Ath_AT5G14550.2.1	Ath_AT5G14550.2.1
GT14	250	AT5G14550.3.1	374	4.70E-12	59	240	122	297	0.724	Arabidopsis_thaliana	Plant	GT14_AT5G14550.3.1	Plant	Ath	Ath_AT5G14550.3.1	Ath_AT5G14550.3.1
GT14	250	AT5G14550.4.1	347	0.0000052	59	138	122	200	0.316	Arabidopsis_thaliana	Plant	GT14_AT5G14550.4.1	Plant	Ath	Ath_AT5G14550.4.1	Ath_AT5G14550.4.1
GH28	325	AT5G14650.1.1	435	1.10E-93	7	321	77	404	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT5G14650.1.1	Plant	Ath	Ath_AT5G14650.1.1	Ath_AT5G14650.1.1
GH28	325	AT5G14650.2.1	314	3.40E-67	7	224	77	305	0.667692308	Arabidopsis_thaliana	Plant	GH28_AT5G14650.2.1	Plant	Ath	Ath_AT5G14650.2.1	Ath_AT5G14650.2.1
GT22	389	AT5G14850.1.1	548	4.20E-122	1	389	41	451	0.997429306	Arabidopsis_thaliana	Plant	GT22_AT5G14850.1.1	Plant	Ath	Ath_AT5G14850.1.1	Ath_AT5G14850.1.1
GT22	389	AT5G14850.2.1	529	3.70E-122	1	389	41	451	0.997429306	Arabidopsis_thaliana	Plant	GT22_AT5G14850.2.1	Plant	Ath	Ath_AT5G14850.2.1	Ath_AT5G14850.2.1
GT22	389	AT5G14850.3.1	521	3.50E-122	1	389	41	451	0.997429306	Arabidopsis_thaliana	Plant	GT22_AT5G14850.3.1	Plant	Ath	Ath_AT5G14850.3.1	Ath_AT5G14850.3.1
GT22	389	AT5G14850.4.1	392	2.10E-79	116	389	2	295	0.701799486	Arabidopsis_thaliana	Plant	GT22_AT5G14850.4.1	Plant	Ath	Ath_AT5G14850.4.1	Ath_AT5G14850.4.1
GT22	389	AT5G14850.5.1	467	1.10E-102	42	389	1	370	0.892030848	Arabidopsis_thaliana	Plant	GT22_AT5G14850.5.1	Plant	Ath	Ath_AT5G14850.5.1	Ath_AT5G14850.5.1
GT22	389	AT5G14850.6.1	392	2.10E-79	116	389	2	295	0.701799486	Arabidopsis_thaliana	Plant	GT22_AT5G14850.6.1	Plant	Ath	Ath_AT5G14850.6.1	Ath_AT5G14850.6.1
GT1	382	AT5G14860.1.1	492	2.20E-34	186	352	244	438	0.434554974	Arabidopsis_thaliana	Plant	GT1_AT5G14860.1.1	Plant	Ath	Ath_AT5G14860.1.1	Ath_AT5G14860.1.1
GH38	269	AT5G14950.1.1	1173	6.90E-78	1	269	154	493	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT5G14950.1.1	Plant	Ath	Ath_AT5G14950.1.1	Ath_AT5G14950.1.1
GT14	250	AT5G15050.1.1	434	4.00E-95	1	249	88	344	0.992	Arabidopsis_thaliana	Plant	GT14_AT5G15050.1.1	Plant	Ath	Ath_AT5G15050.1.1	Ath_AT5G15050.1.1
PL1	202	AT5G15110.1.1	472	1.00E-53	12	200	184	389	0.930693069	Arabidopsis_thaliana	Plant	PL1_AT5G15110.1.1	Plant	Ath	Ath_AT5G15110.1.1	Ath_AT5G15110.1.1
AA2	255	AT5G15180.1.1	329	7.30E-50	8	253	48	312	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT5G15180.1.1	Plant	Ath	Ath_AT5G15180.1.1	Ath_AT5G15180.1.1
GT8	257	AT5G15470.1.1	532	3.50E-62	1	255	173	504	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT5G15470.1.1	Plant	Ath	Ath_AT5G15470.1.1	Ath_AT5G15470.1.1
GT75	343	AT5G15650.1.1	360	2.60E-182	2	343	18	353	0.994169096	Arabidopsis_thaliana	Plant	GT75_AT5G15650.1.1	Plant	Ath	Ath_AT5G15650.1.1	Ath_AT5G15650.1.1
CE16	267	AT5G15720.1.1	364	1.10E-23	2	265	32	344	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT5G15720.1.1	Plant	Ath	Ath_AT5G15720.1.1	Ath_AT5G15720.1.1
CE16	267	AT5G15720.2.1	313	2.70E-17	2	230	32	294	0.853932584	Arabidopsis_thaliana	Plant	CE16_AT5G15720.2.1	Plant	Ath	Ath_AT5G15720.2.1	Ath_AT5G15720.2.1
CE16	267	AT5G15720.3.1	333	2.70E-22	58	265	74	313	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT5G15720.3.1	Plant	Ath	Ath_AT5G15720.3.1	Ath_AT5G15720.3.1
CE10	341	AT5G15860.1.1	427	2.00E-47	67	334	128	393	0.782991202	Arabidopsis_thaliana	Plant	CE10_AT5G15860.1.1	Plant	Ath	Ath_AT5G15860.1.1	Ath_AT5G15860.1.1
CE10	341	AT5G15860.2.1	299	9.20E-36	67	193	128	259	0.369501466	Arabidopsis_thaliana	Plant	CE10_AT5G15860.2.1	Plant	Ath	Ath_AT5G15860.2.1	Ath_AT5G15860.2.1
GH81	622	AT5G15870.1.1	745	1.70E-201	2	622	63	708	0.996784566	Arabidopsis_thaliana	Plant	GH81_AT5G15870.1.1	Plant	Ath	Ath_AT5G15870.1.1	Ath_AT5G15870.1.1
CE10	341	AT5G16080.1.1	344	1.80E-61	77	324	71	329	0.724340176	Arabidopsis_thaliana	Plant	CE10_AT5G16080.1.1	Plant	Ath	Ath_AT5G16080.1.1	Ath_AT5G16080.1.1
CE1	227	AT5G16120.1.1	351	0.00000038	104	193	157	301	0.392070485	Arabidopsis_thaliana	Plant	CE1_AT5G16120.1.1	Plant	Ath	Ath_AT5G16120.1.1	Ath_AT5G16120.1.1
CE1	227	AT5G16120.2.1	369	0.00000043	104	193	175	319	0.392070485	Arabidopsis_thaliana	Plant	CE1_AT5G16120.2.1	Plant	Ath	Ath_AT5G16120.2.1	Ath_AT5G16120.2.1
CE1	227	AT5G16120.3.1	351	0.00000038	104	193	157	301	0.392070485	Arabidopsis_thaliana	Plant	CE1_AT5G16120.3.1	Plant	Ath	Ath_AT5G16120.3.1	Ath_AT5G16120.3.1
CE1	227	AT5G16120.4.1	383	0.00000048	104	193	189	333	0.392070485	Arabidopsis_thaliana	Plant	CE1_AT5G16120.4.1	Plant	Ath	Ath_AT5G16120.4.1	Ath_AT5G16120.4.1
GT14	250	AT5G16170.1.1	411	9.20E-16	60	241	191	348	0.724	Arabidopsis_thaliana	Plant	GT14_AT5G16170.1.1	Plant	Ath	Ath_AT5G16170.1.1	Ath_AT5G16170.1.1
GT2	168	AT5G16190.1.1	443	1.80E-29	2	166	17	192	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT5G16190.1.1	Plant	Ath	Ath_AT5G16190.1.1	Ath_AT5G16190.1.1
GT2	168	AT5G16190.2.1	456	1.90E-29	2	166	78	253	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT5G16190.2.1	Plant	Ath	Ath_AT5G16190.2.1	Ath_AT5G16190.2.1
GT2	168	AT5G16190.3.1	504	2.40E-29	2	166	78	253	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT5G16190.3.1	Plant	Ath	Ath_AT5G16190.3.1	Ath_AT5G16190.3.1
GT2	168	AT5G16190.4.1	537	2.70E-29	2	166	78	253	0.976190476	Arabidopsis_thaliana	Plant	GT2_AT5G16190.4.1	Plant	Ath	Ath_AT5G16190.4.1	Ath_AT5G16190.4.1
GT75	343	AT5G16510.1.1	348	3.90E-148	1	343	6	346	0.997084548	Arabidopsis_thaliana	Plant	GT75_AT5G16510.1.1	Plant	Ath	Ath_AT5G16510.1.1	Ath_AT5G16510.1.1
GT75	343	AT5G16510.2.1	348	3.90E-148	1	343	6	346	0.997084548	Arabidopsis_thaliana	Plant	GT75_AT5G16510.2.1	Plant	Ath	Ath_AT5G16510.2.1	Ath_AT5G16510.2.1
GH1	429	AT5G16580.1.1	299	5.10E-69	142	382	26	299	0.559440559	Arabidopsis_thaliana	Plant	GH1_AT5G16580.1.1	Plant	Ath	Ath_AT5G16580.1.1	Ath_AT5G16580.1.1
GH5	275	AT5G16700.1.1	488	3.90E-41	2	232	33	347	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT5G16700.1.1	Plant	Ath	Ath_AT5G16700.1.1	Ath_AT5G16700.1.1
GT47	296	AT5G16890.1.1	511	5.00E-73	5	295	118	427	0.97972973	Arabidopsis_thaliana	Plant	GT47_AT5G16890.1.1	Plant	Ath	Ath_AT5G16890.1.1	Ath_AT5G16890.1.1
GT2_Cellulose_synt	722	AT5G16910.1.1	1145	0	2	714	382	1136	0.986149585	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G16910.1.1	Plant	Ath	Ath_AT5G16910.1.1	Ath_AT5G16910.1.1
GT1	382	AT5G17030.1.1	459	3.30E-33	192	366	258	436	0.455497382	Arabidopsis_thaliana	Plant	GT1_AT5G17030.1.1	Plant	Ath	Ath_AT5G17030.1.1	Ath_AT5G17030.1.1
GT1	382	AT5G17040.1.1	442	3.50E-34	143	367	193	421	0.586387435	Arabidopsis_thaliana	Plant	GT1_AT5G17040.1.1	Plant	Ath	Ath_AT5G17040.1.1	Ath_AT5G17040.1.1
GT1	382	AT5G17040.2.1	340	1.60E-34	143	367	91	319	0.586387435	Arabidopsis_thaliana	Plant	GT1_AT5G17040.2.1	Plant	Ath	Ath_AT5G17040.2.1	Ath_AT5G17040.2.1
GT1	382	AT5G17050.1.1	460	6.30E-34	221	366	268	430	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT5G17050.1.1	Plant	Ath	Ath_AT5G17050.1.1	Ath_AT5G17050.1.1
GH28	325	AT5G17200.1.1	421	6.80E-106	4	323	62	410	0.981538462	Arabidopsis_thaliana	Plant	GH28_AT5G17200.1.1	Plant	Ath	Ath_AT5G17200.1.1	Ath_AT5G17200.1.1
GT2_Cellulose_synt	722	AT5G17420.1.1	1026	0	1	719	317	1019	0.994459834	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G17420.1.1	Plant	Ath	Ath_AT5G17420.1.1	Ath_AT5G17420.1.1
GH5	275	AT5G17500.1.1	526	4.30E-39	2	232	35	349	0.836363636	Arabidopsis_thaliana	Plant	GH5_AT5G17500.1.1	Plant	Ath	Ath_AT5G17500.1.1	Ath_AT5G17500.1.1
AA2	255	AT5G17820.1.1	313	8.00E-53	19	253	52	296	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT5G17820.1.1	Plant	Ath	Ath_AT5G17820.1.1	Ath_AT5G17820.1.1
AA2	255	AT5G17820.2.1	366	1.30E-52	19	253	105	349	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT5G17820.2.1	Plant	Ath	Ath_AT5G17820.2.1	Ath_AT5G17820.2.1
CBM43	83	AT5G18220.1.1	488	4.20E-22	1	83	369	454	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G18220.1.1	Plant	Ath	Ath_AT5G18220.1.1	Ath_AT5G18220.1.1
GH17	311	AT5G18220.1.1	488	1.10E-100	1	310	30	346	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT5G18220.1.1	Plant	Ath	Ath_AT5G18220.1.1	Ath_AT5G18220.1.1
GT16	267	AT5G18430.1.1	362	6.40E-16	2	265	30	342	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT5G18430.1.1	Plant	Ath	Ath_AT5G18430.1.1	Ath_AT5G18430.1.1
GT8	257	AT5G18480.1.1	537	2.70E-38	26	256	28	260	0.894941634	Arabidopsis_thaliana	Plant	GT8_AT5G18480.1.1	Plant	Ath	Ath_AT5G18480.1.1	Ath_AT5G18480.1.1
GH14	412	AT5G18670.1.1	536	6.30E-146	1	411	90	494	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT5G18670.1.1	Plant	Ath	Ath_AT5G18670.1.1	Ath_AT5G18670.1.1
CE8	288	AT5G18990.1.1	330	1.10E-89	2	287	29	318	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G18990.1.1	Plant	Ath	Ath_AT5G18990.1.1	Ath_AT5G18990.1.1
AA5	1281	AT5G19580.1.1	594	1.70E-107	559	1024	74	593	0.362997658	Arabidopsis_thaliana	Plant	AA5_AT5G19580.1.1	Plant	Ath	Ath_AT5G19580.1.1	Ath_AT5G19580.1.1
CE10	341	AT5G19630.1.1	228	0.00000069	77	186	17	130	0.319648094	Arabidopsis_thaliana	Plant	CE10_AT5G19630.1.1	Plant	Ath	Ath_AT5G19630.1.1	Ath_AT5G19630.1.1
GT47	296	AT5G19670.1.1	610	2.40E-86	3	296	279	561	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G19670.1.1	Plant	Ath	Ath_AT5G19670.1.1	Ath_AT5G19670.1.1
GT47	296	AT5G19670.2.1	610	2.40E-86	3	296	279	561	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G19670.2.1	Plant	Ath	Ath_AT5G19670.2.1	Ath_AT5G19670.2.1
GT66	693	AT5G19690.1.1	779	3.80E-179	10	603	24	710	0.855699856	Arabidopsis_thaliana	Plant	GT66_AT5G19690.1.1	Plant	Ath	Ath_AT5G19690.1.1	Ath_AT5G19690.1.1
GT66	693	AT5G19690.2.1	738	8.40E-175	28	603	2	669	0.82972583	Arabidopsis_thaliana	Plant	GT66_AT5G19690.2.1	Plant	Ath	Ath_AT5G19690.2.1	Ath_AT5G19690.2.1
CE8	288	AT5G19730.1.1	383	3.70E-99	4	288	88	377	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT5G19730.1.1	Plant	Ath	Ath_AT5G19730.1.1	Ath_AT5G19730.1.1
AA2	255	AT5G19880.1.1	329	2.20E-51	16</											

GH17	311	AT5G20330.1.1	345	1.40E-100	1	309	34	344	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G20330.1.1	Plant	Ath	Ath_AT5G20330.1.1	Ath_AT5G20330.1.1
GH17	311	AT5G20340.1.1	354	3.90E-99	1	309	43	353	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G20340.1.1	Plant	Ath	Ath_AT5G20340.1.1	Ath_AT5G20340.1.1
GH17	311	AT5G20390.1.1	344	2.10E-100	1	309	33	343	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G20390.1.1	Plant	Ath	Ath_AT5G20390.1.1	Ath_AT5G20390.1.1
GT28	157	AT5G20410.1.1	468	2.70E-28	2	157	277	435	0.987261147	Arabidopsis_thaliana	Plant	GT28_AT5G20410.1.1	Plant	Ath	Ath_AT5G20410.1.1	Ath_AT5G20410.1.1
CE10	341	AT5G20520.1.1	308	0.000000036	115	309	97	276	0.568914956	Arabidopsis_thaliana	Plant	CE10_AT5G20520.1.1	Plant	Ath	Ath_AT5G20520.1.1	Ath_AT5G20520.1.1
GH17	311	AT5G20560.1.1	337	3.00E-89	1	301	34	336	0.964630225	Arabidopsis_thaliana	Plant	GH17_AT5G20560.1.1	Plant	Ath	Ath_AT5G20560.1.1	Ath_AT5G20560.1.1
GH35	307	AT5G20710.1.1	826	1.10E-122	2	306	36	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT5G20710.1.1	Plant	Ath	Ath_AT5G20710.1.1	Ath_AT5G20710.1.1
GH35	307	AT5G20710.2.1	621	9.80E-44	164	306	1	133	0.462540717	Arabidopsis_thaliana	Plant	GH35_AT5G20710.2.1	Plant	Ath	Ath_AT5G20710.2.1	Ath_AT5G20710.2.1
GT4	160	AT5G20830.1.1	808	2.30E-48	4	155	567	734	0.94375	Arabidopsis_thaliana	Plant	GT4_AT5G20830.1.1	Plant	Ath	Ath_AT5G20830.1.1	Ath_AT5G20830.1.1
GT4	160	AT5G20830.2.1	808	2.30E-48	4	155	567	734	0.94375	Arabidopsis_thaliana	Plant	GT4_AT5G20830.2.1	Plant	Ath	Ath_AT5G20830.2.1	Ath_AT5G20830.2.1
GT4	160	AT5G20830.3.1	808	2.30E-48	4	155	567	734	0.94375	Arabidopsis_thaliana	Plant	GT4_AT5G20830.3.1	Plant	Ath	Ath_AT5G20830.3.1	Ath_AT5G20830.3.1
CE8	288	AT5G20860.1.1	512	2.60E-77	56	283	252	490	0.788194444	Arabidopsis_thaliana	Plant	CE8_AT5G20860.1.1	Plant	Ath	Ath_AT5G20860.1.1	Ath_AT5G20860.1.1
CE8	288	AT5G20860.2.1	538	1.40E-100	2	288	230	523	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT5G20860.2.1	Plant	Ath	Ath_AT5G20860.2.1	Ath_AT5G20860.2.1
CBM43	83	AT5G20870.1.1	501	1.40E-21	1	82	375	457	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G20870.1.1	Plant	Ath	Ath_AT5G20870.1.1	Ath_AT5G20870.1.1
GH17	311	AT5G20870.1.1	501	1.90E-101	2	310	31	355	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G20870.1.1	Plant	Ath	Ath_AT5G20870.1.1	Ath_AT5G20870.1.1
GH3	216	AT5G20940.1.1	626	1.40E-73	3	215	109	342	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G20940.1.1	Plant	Ath	Ath_AT5G20940.1.1	Ath_AT5G20940.1.1
GH3	216	AT5G20950.1.1	624	2.80E-77	4	216	104	337	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G20950.1.1	Plant	Ath	Ath_AT5G20950.1.1	Ath_AT5G20950.1.1
GH3	216	AT5G20950.2.1	624	2.80E-77	4	216	104	337	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G20950.2.1	Plant	Ath	Ath_AT5G20950.2.1	Ath_AT5G20950.2.1
GH3	216	AT5G20950.3.1	702	3.60E-77	4	216	182	415	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G20950.3.1	Plant	Ath	Ath_AT5G20950.3.1	Ath_AT5G20950.3.1
AA1	943	AT5G21100.1.1	573	2.90E-113	1	550	21	550	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G21100.1.1	Plant	Ath	Ath_AT5G21100.1.1	Ath_AT5G21100.1.1
AA7	458	AT5G21482.1.1	524	4.90E-28	11	200	58	257	0.412663756	Arabidopsis_thaliana	Plant	AA7_AT5G21482.1.1	Plant	Ath	Ath_AT5G21482.1.1	Ath_AT5G21482.1.1
CE1	227	AT5G21950.1.1	308	0.000000061	6	149	34	219	0.629955947	Arabidopsis_thaliana	Plant	CE1_AT5G21950.1.1	Plant	Ath	Ath_AT5G21950.1.1	Ath_AT5G21950.1.1
CE1	227	AT5G21950.2.1	220	0.000000017	6	142	34	160	0.599118943	Arabidopsis_thaliana	Plant	CE1_AT5G21950.2.1	Plant	Ath	Ath_AT5G21950.2.1	Ath_AT5G21950.2.1
CE1	227	AT5G21950.3.1	220	0.000000017	6	142	34	160	0.599118943	Arabidopsis_thaliana	Plant	CE1_AT5G21950.3.1	Plant	Ath	Ath_AT5G21950.3.1	Ath_AT5G21950.3.1
CE1	227	AT5G21950.4.1	272	0.000000032	6	142	86	212	0.599118943	Arabidopsis_thaliana	Plant	CE1_AT5G21950.4.1	Plant	Ath	Ath_AT5G21950.4.1	Ath_AT5G21950.4.1
CE1	227	AT5G21950.5.1	272	0.000000032	6	142	86	212	0.599118943	Arabidopsis_thaliana	Plant	CE1_AT5G21950.5.1	Plant	Ath	Ath_AT5G21950.5.1	Ath_AT5G21950.5.1
CE1	227	AT5G21950.6.1	360	0.000000011	6	147	86	269	0.621145374	Arabidopsis_thaliana	Plant	CE1_AT5G21950.6.1	Plant	Ath	Ath_AT5G21950.6.1	Ath_AT5G21950.6.1
CE1	227	AT5G21950.7.1	267	0.000000012	6	143	34	192	0.603524229	Arabidopsis_thaliana	Plant	CE1_AT5G21950.7.1	Plant	Ath	Ath_AT5G21950.7.1	Ath_AT5G21950.7.1
GT14	250	AT5G22070.1.1	362	1.70E-10	49	245	119	316	0.784	Arabidopsis_thaliana	Plant	GT14_AT5G22070.1.1	Plant	Ath	Ath_AT5G22070.1.1	Ath_AT5G22070.1.1
GT50	262	AT5G22130.1.1	450	1.20E-103	1	262	140	425	0.996183206	Arabidopsis_thaliana	Plant	GT50_AT5G22130.1.1	Plant	Ath	Ath_AT5G22130.1.1	Ath_AT5G22130.1.1
GT50	262	AT5G22130.2.1	470	1.30E-103	1	262	160	445	0.996183206	Arabidopsis_thaliana	Plant	GT50_AT5G22130.2.1	Plant	Ath	Ath_AT5G22130.2.1	Ath_AT5G22130.2.1
GT50	262	AT5G22130.3.1	435	1.10E-103	1	262	125	410	0.996183206	Arabidopsis_thaliana	Plant	GT50_AT5G22130.3.1	Plant	Ath	Ath_AT5G22130.3.1	Ath_AT5G22130.3.1
AA2	255	AT5G22410.1.1	331	9.10E-43	16	250	53	304	0.917647059	Arabidopsis_thaliana	Plant	AA2_AT5G22410.1.1	Plant	Ath	Ath_AT5G22410.1.1	Ath_AT5G22410.1.1
GH100	458	AT5G22510.1.1	617	2.50E-229	3	457	129	588	0.991266376	Arabidopsis_thaliana	Plant	GH100_AT5G22510.1.1	Plant	Ath	Ath_AT5G22510.1.1	Ath_AT5G22510.1.1
GH100	458	AT5G22510.2.1	617	2.50E-229	3	457	129	588	0.991266376	Arabidopsis_thaliana	Plant	GH100_AT5G22510.2.1	Plant	Ath	Ath_AT5G22510.2.1	Ath_AT5G22510.2.1
GT2	168	AT5G22740.1.1	534	1.60E-29	2	163	101	273	0.958333333	Arabidopsis_thaliana	Plant	GT2_AT5G22740.1.1	Plant	Ath	Ath_AT5G22740.1.1	Ath_AT5G22740.1.1
CE16	267	AT5G22810.1.1	359	4.60E-19	79	266	131	350	0.700374532	Arabidopsis_thaliana	Plant	CE16_AT5G22810.1.1	Plant	Ath	Ath_AT5G22810.1.1	Ath_AT5G22810.1.1
GT47	296	AT5G22940.1.1	469	9.70E-73	4	296	108	407	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT5G22940.1.1	Plant	Ath	Ath_AT5G22940.1.1	Ath_AT5G22940.1.1
GT47	296	AT5G22940.2.1	498	1.20E-72	4	296	137	436	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT5G22940.2.1	Plant	Ath	Ath_AT5G22940.2.1	Ath_AT5G22940.2.1
CBM50	40	AT5G23130.1.1	397	0.0000017	1	40	72	115	0.975	Arabidopsis_thaliana	Plant	CBM50_AT5G23130.1.1	Plant	Ath	Ath_AT5G23130.1.1	Ath_AT5G23130.1.1
CE10	341	AT5G23530.1.1	335	1.50E-67	15	334	11	327	0.935483871	Arabidopsis_thaliana	Plant	CE10_AT5G23530.1.1	Plant	Ath	Ath_AT5G23530.1.1	Ath_AT5G23530.1.1
GT8	257	AT5G23790.1.1	333	6.80E-58	19	256	12	269	0.922178988	Arabidopsis_thaliana	Plant	GT8_AT5G23790.1.1	Plant	Ath	Ath_AT5G23790.1.1	Ath_AT5G23790.1.1
GT90	250	AT5G23850.1.1	542	1.00E-79	1	250	211	459	0.996	Arabidopsis_thaliana	Plant	GT90_AT5G23850.1.1	Plant	Ath	Ath_AT5G23850.1.1	Ath_AT5G23850.1.1
CE13	355	AT5G23870.1.1	415	1.10E-149	4	351	33	382	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT5G23870.1.1	Plant	Ath	Ath_AT5G23870.1.1	Ath_AT5G23870.1.1
CE13	355	AT5G23870.2.1	436	1.30E-149	4	351	33	382	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT5G23870.2.1	Plant	Ath	Ath_AT5G23870.2.1	Ath_AT5G23870.2.1
CE13	355	AT5G23870.3.1	451	1.50E-149	4	351	33	382	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT5G23870.3.1	Plant	Ath	Ath_AT5G23870.3.1	Ath_AT5G23870.3.1
CE13	355	AT5G23870.4.1	415	1.10E-149	4	351	33	382	0.977464789	Arabidopsis_thaliana	Plant	CE13_AT5G23870.4.1	Plant	Ath	Ath_AT5G23870.4.1	Ath_AT5G23870.4.1
CBM57	147	AT5G24010.1.1	824	1.50E-10	2	135	32	163	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT5G24010.1.1	Plant	Ath	Ath_AT5G24010.1.1	Ath_AT5G24010.1.1
CBM57	147	AT5G24010.1.1	824	0.000000016	2	142	214	377	0.952380952	Arabidopsis_thaliana	Plant	CBM57_AT5G24010.1.1	Plant	Ath	Ath_AT5G24010.1.1	Ath_AT5G24010.1.1
AA2	255	AT5G24070.1.1	340	2.70E-45	15	252	61	317	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT5G24070.1.1	Plant	Ath	Ath_AT5G24070.1.1	Ath_AT5G24070.1.1
GH18	296	AT5G24090.1.1	302	1.50E-23	5	198	32	250	0.652027027	Arabidopsis_thaliana	Plant	GH18_AT5G24090.1.1	Plant	Ath	Ath_AT5G24090.1.1	Ath_AT5G24090.1.1
CE1	227	AT5G24260.1.1	746	0.000000002	79	207	585	723	0.563876652	Arabidopsis_thaliana	Plant	CE1_AT5G24260.1.1	Plant	Ath	Ath_AT5G24260.1.1	Ath_AT5G24260.1.1
CE1	227	AT5G24260.2.1	746	0.000000002	79	207	585	723	0.563876652	Arabidopsis_thaliana	Plant	CE1_AT5G24260.2.1	Plant	Ath	Ath_AT5G24260.2.1	Ath_AT5G24260.2.1
CE1	227	AT5G24260.3.1	746	0.000000002	79	207	585	723	0.563876652	Arabidopsis_thaliana	Plant	CE1_AT5G24260.3.1	Plant	Ath	Ath_AT5G24260.3.1	Ath_AT5G24260.3.1
CE1	227	AT5G24260.4.1	746	0.000000002	79	207	585	723	0.563876652	Arabidopsis_thaliana	Plant	CE1_AT5G24260.4.1	Plant	Ath	Ath_AT5G24260.4.1	Ath_AT5G24260.4.1
GT5	472	AT5G24300.1.1	652	1.30E-168	2	471	144	642	0.993644068	Arabidopsis_thaliana	Plant	GT5_AT5G24300.1.1	Plant	Ath	Ath_AT5G24300.1.1	Ath_AT5G24300.1.1
GT5	472	AT5G24300.2.1	652	1.30E-168	2	471	144	642	0.993644068	Arabidopsis_thaliana	Plant	GT5_AT5G24300.2.1	Plant	Ath	Ath_AT5G24300.2.1	Ath_AT5G24300.2.1
CBM43	83	AT5G24318.1.1	458	7.10E-28	1	83	372	454	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G24318.1.1	Plant	Ath	Ath_AT5G24318.1.1	Ath_AT5G24318.1.1
GH17	311	AT5G24318.1.1	458	1.60E-106	1	309	30	344	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G24318.1.1	Plant	Ath	Ath_AT5G24318.1.1	Ath_AT5G24318.1.1
CBM43	83	AT5G24318.2.1	452	6.40E-26	1	79	372	450	0.939759036	Arabidopsis_thaliana	Plant	CBM43_AT5G24318.2.1	Plant	Ath	Ath_AT5G24318.2.1	Ath_AT5G24318.2.1
GH17	311	AT5G24318.2.1	452	1.60E-106	1	309	30	344	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G24318.2.1	Plant	Ath	Ath_AT5G24318.2.1	Ath_AT5G24318.2.1
CBM43	83	AT5G24318.3.1	319	3.80E-28	1	83	233	315	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G24318.3.1	Plant	Ath	Ath_AT5G24318.3.1	Ath_AT5G24318.3.1
GH17	311	AT5G24318.3.1	319	3.60E-68	111	309	1	205	0.636655949	Arabidopsis_thaliana	Plant	GH17_AT5G24318.3.1	Plant	Ath	Ath_AT5G24318.3.1	Ath_AT5G24318.3.1
GH17	311	AT5G24318.4.1	372	8.20E-107	1	309	30	344	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G24318.4.1	Plant	Ath	Ath_AT5G24318.4.1	Ath_AT5G24318.4.1
GH1	429	AT5G24540.1.1	534	1.80E-172	3	428	35	513	0.990675991	Arabidopsis_thaliana	Plant	GH1_AT5G24540.1.1	Plant	Ath	Ath_AT5G24540.1.1	Ath_AT5G24540.1.1
GH1	429	AT5G24540.2.1	455	1.00E-143	3	371	35	454	0.857808858	Arabidopsis_thaliana						

CBM61	141	AT5G25460.1.1	369	0.0000083	1	117	195	332	0.822695036	Arabidopsis_thaliana	Plant	CBM61_AT5G25460.1.1	Plant	Ath	Ath_AT5G25460.1.1	Ath_AT5G25460.1.1
CE15	269	AT5G25770.1.1	360	3.30E-15	56	268	118	354	0.788104089	Arabidopsis_thaliana	Plant	CE15_AT5G25770.1.1	Plant	Ath	Ath_AT5G25770.1.1	Ath_AT5G25770.1.1
CE15	269	AT5G25770.2.1	418	5.10E-15	56	268	176	412	0.788104089	Arabidopsis_thaliana	Plant	CE15_AT5G25770.2.1	Plant	Ath	Ath_AT5G25770.2.1	Ath_AT5G25770.2.1
CE15	269	AT5G25770.3.1	421	5.20E-15	56	268	179	415	0.788104089	Arabidopsis_thaliana	Plant	CE15_AT5G25770.3.1	Plant	Ath	Ath_AT5G25770.3.1	Ath_AT5G25770.3.1
GT47	296	AT5G25820.1.1	654	3.70E-84	3	296	322	606	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G25820.1.1	Plant	Ath	Ath_AT5G25820.1.1	Ath_AT5G25820.1.1
GT14	250	AT5G25970.1.1	387	1.80E-14	63	241	177	331	0.712	Arabidopsis_thaliana	Plant	GT14_AT5G25970.1.1	Plant	Ath	Ath_AT5G25970.1.1	Ath_AT5G25970.1.1
GT14	250	AT5G25970.2.1	387	1.80E-14	63	241	177	331	0.712	Arabidopsis_thaliana	Plant	GT14_AT5G25970.2.1	Plant	Ath	Ath_AT5G25970.2.1	Ath_AT5G25970.2.1
GT14	250	AT5G25970.3.1	387	1.80E-14	63	241	177	331	0.712	Arabidopsis_thaliana	Plant	GT14_AT5G25970.3.1	Plant	Ath	Ath_AT5G25970.3.1	Ath_AT5G25970.3.1
GH1	429	AT5G25980.1.1	467	1.10E-121	2	371	52	466	0.86013986	Arabidopsis_thaliana	Plant	GH1_AT5G25980.1.1	Plant	Ath	Ath_AT5G25980.1.1	Ath_AT5G25980.1.1
GH1	429	AT5G25980.2.1	547	2.10E-145	2	426	52	524	0.988344988	Arabidopsis_thaliana	Plant	GH1_AT5G25980.2.1	Plant	Ath	Ath_AT5G25980.2.1	Ath_AT5G25980.2.1
GH1	429	AT5G25980.3.1	467	1.10E-121	2	371	52	466	0.86013986	Arabidopsis_thaliana	Plant	GH1_AT5G25980.3.1	Plant	Ath	Ath_AT5G25980.3.1	Ath_AT5G25980.3.1
GH1	429	AT5G26000.1.1	541	2.10E-146	3	425	41	512	0.983682984	Arabidopsis_thaliana	Plant	GH1_AT5G26000.1.1	Plant	Ath	Ath_AT5G26000.1.1	Ath_AT5G26000.1.1
GH1	429	AT5G26000.2.1	456	2.50E-123	3	371	41	455	0.857808858	Arabidopsis_thaliana	Plant	GH1_AT5G26000.2.1	Plant	Ath	Ath_AT5G26000.2.1	Ath_AT5G26000.2.1
CBM4	126	AT5G26120.1.1	674	0.000061	54	124	149	221	0.555555556	Arabidopsis_thaliana	Plant	CBM4_AT5G26120.1.1	Plant	Ath	Ath_AT5G26120.1.1	Ath_AT5G26120.1.1
GH51	630	AT5G26120.1.1	674	1.50E-100	100	550	215	660	0.714285714	Arabidopsis_thaliana	Plant	GH51_AT5G26120.1.1	Plant	Ath	Ath_AT5G26120.1.1	Ath_AT5G26120.1.1
GT1	382	AT5G26310.1.1	481	2.70E-37	185	362	232	442	0.463350785	Arabidopsis_thaliana	Plant	GT1_AT5G26310.1.1	Plant	Ath	Ath_AT5G26310.1.1	Ath_AT5G26310.1.1
CBM20	90	AT5G26570.1.1	1196	5.20E-19	2	88	73	157	0.955555556	Arabidopsis_thaliana	Plant	CBM20_AT5G26570.1.1	Plant	Ath	Ath_AT5G26570.1.1	Ath_AT5G26570.1.1
CBM20	90	AT5G26570.2.1	865	3.40E-19	2	88	73	157	0.955555556	Arabidopsis_thaliana	Plant	CBM20_AT5G26570.2.1	Plant	Ath	Ath_AT5G26570.2.1	Ath_AT5G26570.2.1
CE13	355	AT5G26670.1.1	416	6.80E-164	3	354	50	398	0.988732394	Arabidopsis_thaliana	Plant	CE13_AT5G26670.1.1	Plant	Ath	Ath_AT5G26670.1.1	Ath_AT5G26670.1.1
CE13	355	AT5G26670.2.1	298	2.60E-130	72	354	1	280	0.794366197	Arabidopsis_thaliana	Plant	CE13_AT5G26670.2.1	Plant	Ath	Ath_AT5G26670.2.1	Ath_AT5G26670.2.1
CE13	355	AT5G26670.3.1	298	2.60E-130	72	354	1	280	0.794366197	Arabidopsis_thaliana	Plant	CE13_AT5G26670.3.1	Plant	Ath	Ath_AT5G26670.3.1	Ath_AT5G26670.3.1
CE13	355	AT5G26670.4.1	298	2.60E-130	72	354	1	280	0.794366197	Arabidopsis_thaliana	Plant	CE13_AT5G26670.4.1	Plant	Ath	Ath_AT5G26670.4.1	Ath_AT5G26670.4.1
CE8	288	AT5G26810.1.1	339	9.10E-86	2	287	34	328	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G26810.1.1	Plant	Ath	Ath_AT5G26810.1.1	Ath_AT5G26810.1.1
CE10	341	AT5G27320.1.1	344	9.30E-65	55	332	51	338	0.812316716	Arabidopsis_thaliana	Plant	CE10_AT5G27320.1.1	Plant	Ath	Ath_AT5G27320.1.1	Ath_AT5G27320.1.1
GH28	325	AT5G27530.1.1	458	5.60E-94	9	323	82	398	0.966153846	Arabidopsis_thaliana	Plant	GH28_AT5G27530.1.1	Plant	Ath	Ath_AT5G27530.1.1	Ath_AT5G27530.1.1
CE8	288	AT5G27870.1.1	732	1.60E-109	1	288	252	547	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT5G27870.1.1	Plant	Ath	Ath_AT5G27870.1.1	Ath_AT5G27870.1.1
GH1	429	AT5G28510.1.1	533	4.20E-164	2	425	41	520	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT5G28510.1.1	Plant	Ath	Ath_AT5G28510.1.1	Ath_AT5G28510.1.1
CBM57	147	AT5G28680.1.1	858	3.30E-10	2	107	215	340	0.714285714	Arabidopsis_thaliana	Plant	CBM57_AT5G28680.1.1	Plant	Ath	Ath_AT5G28680.1.1	Ath_AT5G28680.1.1
CBM57	147	AT5G28680.1.1	858	0.000000023	5	142	33	173	0.931972789	Arabidopsis_thaliana	Plant	CBM57_AT5G28680.1.1	Plant	Ath	Ath_AT5G28680.1.1	Ath_AT5G28680.1.1
CBM57	147	AT5G28680.2.1	858	5.30E-10	2	107	215	340	0.714285714	Arabidopsis_thaliana	Plant	CBM57_AT5G28680.2.1	Plant	Ath	Ath_AT5G28680.2.1	Ath_AT5G28680.2.1
CBM57	147	AT5G28680.2.1	858	0.000000023	5	142	33	173	0.931972789	Arabidopsis_thaliana	Plant	CBM57_AT5G28680.2.1	Plant	Ath	Ath_AT5G28680.2.1	Ath_AT5G28680.2.1
GT23	318	AT5G28910.1.1	318	8.80E-15	1	278	54	383	0.871069182	Arabidopsis_thaliana	Plant	GT23_AT5G28910.1.1	Plant	Ath	Ath_AT5G28910.1.1	Ath_AT5G28910.1.1
GT23	318	AT5G28910.2.1	505	9.00E-15	1	277	181	509	0.867924528	Arabidopsis_thaliana	Plant	GT23_AT5G28910.2.1	Plant	Ath	Ath_AT5G28910.2.1	Ath_AT5G28910.2.1
GT23	318	AT5G28960.1.1	536	1.10E-13	1	278	181	511	0.871069182	Arabidopsis_thaliana	Plant	GT23_AT5G28960.1.1	Plant	Ath	Ath_AT5G28960.1.1	Ath_AT5G28960.1.1
GT8	257	AT5G30500.1.1	328	3.20E-45	28	255	25	259	0.883268483	Arabidopsis_thaliana	Plant	GT8_AT5G30500.1.1	Plant	Ath	Ath_AT5G30500.1.1	Ath_AT5G30500.1.1
GT8	257	AT5G30500.2.1	243	1.90E-40	28	216	25	222	0.73151751	Arabidopsis_thaliana	Plant	GT8_AT5G30500.2.1	Plant	Ath	Ath_AT5G30500.2.1	Ath_AT5G30500.2.1
GT47	296	AT5G33290.1.1	500	1.40E-83	3	296	162	451	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G33290.1.1	Plant	Ath	Ath_AT5G33290.1.1	Ath_AT5G33290.1.1
CE16	267	AT5G33370.1.1	366	1.10E-18	2	266	32	343	0.988764045	Arabidopsis_thaliana	Plant	CE16_AT5G33370.1.1	Plant	Ath	Ath_AT5G33370.1.1	Ath_AT5G33370.1.1
CE16	267	AT5G33370.2.1	330	1.90E-12	2	229	32	291	0.850187266	Arabidopsis_thaliana	Plant	CE16_AT5G33370.2.1	Plant	Ath	Ath_AT5G33370.2.1	Ath_AT5G33370.2.1
GH79	455	AT5G34940.1.1	401	3.00E-122	87	455	1	395	0.808791209	Arabidopsis_thaliana	Plant	GH79_AT5G34940.1.1	Plant	Ath	Ath_AT5G34940.1.1	Ath_AT5G34940.1.1
GH79	455	AT5G34940.2.1	536	7.90E-153	1	455	45	530	0.997802198	Arabidopsis_thaliana	Plant	GH79_AT5G34940.2.1	Plant	Ath	Ath_AT5G34940.2.1	Ath_AT5G34940.2.1
GH79	455	AT5G34940.3.1	382	2.00E-107	1	329	45	381	0.720879121	Arabidopsis_thaliana	Plant	GH79_AT5G34940.3.1	Plant	Ath	Ath_AT5G34940.3.1	Ath_AT5G34940.3.1
GH79	455	AT5G34940.4.1	299	1.20E-88	185	455	2	293	0.593406593	Arabidopsis_thaliana	Plant	GH79_AT5G34940.4.1	Plant	Ath	Ath_AT5G34940.4.1	Ath_AT5G34940.4.1
CBM43	83	AT5G35740.1.1	119	4.80E-31	1	83	30	114	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G35740.1.1	Plant	Ath	Ath_AT5G35740.1.1	Ath_AT5G35740.1.1
CE10	341	AT5G36210.1.1	730	1.70E-25	92	331	484	709	0.700879765	Arabidopsis_thaliana	Plant	CE10_AT5G36210.1.1	Plant	Ath	Ath_AT5G36210.1.1	Ath_AT5G36210.1.1
GT48	739	AT5G36870.1.1	1871	0	2	726	985	1720	0.9797023	Arabidopsis_thaliana	Plant	GT48_AT5G36870.1.1	Plant	Ath	Ath_AT5G36870.1.1	Ath_AT5G36870.1.1
GT48	739	AT5G36870.2.1	1863	0	2	726	977	1712	0.9797023	Arabidopsis_thaliana	Plant	GT48_AT5G36870.2.1	Plant	Ath	Ath_AT5G36870.2.1	Ath_AT5G36870.2.1
GT48	739	AT5G36870.3.1	1752	0	2	689	977	1671	0.929634641	Arabidopsis_thaliana	Plant	GT48_AT5G36870.3.1	Plant	Ath	Ath_AT5G36870.3.1	Ath_AT5G36870.3.1
GT48	739	AT5G36870.4.1	1863	0	2	726	977	1712	0.9797023	Arabidopsis_thaliana	Plant	GT48_AT5G36870.4.1	Plant	Ath	Ath_AT5G36870.4.1	Ath_AT5G36870.4.1
GT48	739	AT5G36870.5.1	1870	0	2	726	984	1719	0.9797023	Arabidopsis_thaliana	Plant	GT48_AT5G36870.5.1	Plant	Ath	Ath_AT5G36870.5.1	Ath_AT5G36870.5.1
GH1	429	AT5G36890.1.1	490	4.40E-178	2	425	18	480	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT5G36890.1.1	Plant	Ath	Ath_AT5G36890.1.1	Ath_AT5G36890.1.1
GH1	429	AT5G36890.2.1	487	4.30E-178	2	425	18	480	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT5G36890.2.1	Plant	Ath	Ath_AT5G36890.2.1	Ath_AT5G36890.2.1
GT47	296	AT5G37000.1.1	554	3.10E-89	2	296	223	505	0.993243243	Arabidopsis_thaliana	Plant	GT47_AT5G37000.1.1	Plant	Ath	Ath_AT5G37000.1.1	Ath_AT5G37000.1.1
GT4	160	AT5G37180.1.1	837	5.20E-45	6	152	563	726	0.9125	Arabidopsis_thaliana	Plant	GT4_AT5G37180.1.1	Plant	Ath	Ath_AT5G37180.1.1	Ath_AT5G37180.1.1
GT4	160	AT5G37180.2.1	649	3.30E-45	6	152	375	528	0.9125	Arabidopsis_thaliana	Plant	GT4_AT5G37180.2.1	Plant	Ath	Ath_AT5G37180.2.1	Ath_AT5G37180.2.1
GT4	160	AT5G37180.3.1	591	2.80E-45	6	152	317	480	0.9125	Arabidopsis_thaliana	Plant	GT4_AT5G37180.3.1	Plant	Ath	Ath_AT5G37180.3.1	Ath_AT5G37180.3.1
CE16	267	AT5G37690.1.1	356	9.50E-26	45	266	91	338	0.827715356	Arabidopsis_thaliana	Plant	CE16_AT5G37690.1.1	Plant	Ath	Ath_AT5G37690.1.1	Ath_AT5G37690.1.1
CE16	267	AT5G37690.2.1	348	3.60E-26	40	266	78	330	0.846441948	Arabidopsis_thaliana	Plant	CE16_AT5G37690.2.1	Plant	Ath	Ath_AT5G37690.2.1	Ath_AT5G37690.2.1
GT1	382	AT5G38010.1.1	453	1.60E-30	205	357	235	421	0.397905759	Arabidopsis_thaliana	Plant	GT1_AT5G38010.1.1	Plant	Ath	Ath_AT5G38010.1.1	Ath_AT5G38010.1.1
GT1	382	AT5G38040.1.1	449	1.20E-29	220	365	242	429	0.379581152	Arabidopsis_thaliana	Plant	GT1_AT5G38040.1.1	Plant	Ath	Ath_AT5G38040.1.1	Ath_AT5G38040.1.1
GT57	481	AT5G38460.1.1	533	1.30E-142	2	480	50	512	0.993762994	Arabidopsis_thaliana	Plant	GT57_AT5G38460.1.1	Plant	Ath	Ath_AT5G38460.1.1	Ath_AT5G38460.1.1
GT57	481	AT5G38460.2.1	533	1.30E-142	2	480	50	512	0.993762994	Arabidopsis_thaliana	Plant	GT57_AT5G38460.2.1	Plant	Ath	Ath_AT5G38460.2.1	Ath_AT5G38460.2.1
CBM57	147	AT5G38990.1.1	880	3.30E-10	2	147	29	178	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT5G38990.1.1	Plant	Ath	Ath_AT5G38990.1.1	Ath_AT5G38990.1.1
CBM57	147	AT5G38990.1.1	880	6.50E-10	1	129	217	370	0.870748299	Arabidopsis_thaliana	Plant	CBM57_AT5G38990.1.1	Plant	Ath	Ath_AT5G38990.1.1	Ath_AT5G38990.1.1
CBM57	147	AT5G39000.1.1	873	4.60E-12	1	122	223	365	0.823129252	Arabidopsis_thaliana	Plant	CBM57_AT5G39000.1.1	Plant	Ath	Ath_AT5G39000.1.1	Ath_AT5G39000.1.1
CBM57	147	AT5G39000.1.1	873	5.00E-11	4	147	34									

CBM57	147	AT5G39030.2.1	800	0.000000076	2	147	21	174	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT5G39030.2.1	Plant	Ath	Ath_AT5G39030.2.1	Ath_AT5G39030.2.1
AA2	255	AT5G39580.1.1	319	1.50E-52	9	254	42	303	0.960784314	Arabidopsis_thaliana	Plant	AA2_AT5G39580.1.1	Plant	Ath	Ath_AT5G39580.1.1	Ath_AT5G39580.1.1
AA2	255	AT5G39580.2.1	236	2.90E-38	9	155	42	189	0.57254902	Arabidopsis_thaliana	Plant	AA2_AT5G39580.2.1	Plant	Ath	Ath_AT5G39580.2.1	Ath_AT5G39580.2.1
GH28	325	AT5G39910.1.1	373	4.50E-62	12	225	68	281	0.655384615	Arabidopsis_thaliana	Plant	GH28_AT5G39910.1.1	Plant	Ath	Ath_AT5G39910.1.1	Ath_AT5G39910.1.1
GT14	250	AT5G39990.1.1	447	5.80E-98	1	248	101	356	0.988	Arabidopsis_thaliana	Plant	GT14_AT5G39990.1.1	Plant	Ath	Ath_AT5G39990.1.1	Ath_AT5G39990.1.1
AA2	255	AT5G40150.1.1	328	4.30E-56	4	253	44	311	0.976470588	Arabidopsis_thaliana	Plant	AA2_AT5G40150.1.1	Plant	Ath	Ath_AT5G40150.1.1	Ath_AT5G40150.1.1
GT92	279	AT5G40720.1.1	583	2.70E-21	3	233	275	491	0.82437276	Arabidopsis_thaliana	Plant	GT92_AT5G40720.1.1	Plant	Ath	Ath_AT5G40720.1.1	Ath_AT5G40720.1.1
GT92	279	AT5G40720.2.1	583	2.70E-21	3	233	275	491	0.82437276	Arabidopsis_thaliana	Plant	GT92_AT5G40720.2.1	Plant	Ath	Ath_AT5G40720.2.1	Ath_AT5G40720.2.1
GT92	279	AT5G40720.3.1	583	2.70E-21	3	233	275	491	0.82437276	Arabidopsis_thaliana	Plant	GT92_AT5G40720.3.1	Plant	Ath	Ath_AT5G40720.3.1	Ath_AT5G40720.3.1
GT77	216	AT5G40900.1.1	322	7.80E-37	2	214	104	298	0.981481482	Arabidopsis_thaliana	Plant	GT77_AT5G40900.1.1	Plant	Ath	Ath_AT5G40900.1.1	Ath_AT5G40900.1.1
CE16	267	AT5G40990.1.1	374	8.80E-25	1	264	38	352	0.985018727	Arabidopsis_thaliana	Plant	CE16_AT5G40990.1.1	Plant	Ath	Ath_AT5G40990.1.1	Ath_AT5G40990.1.1
GT47	296	AT5G41250.1.1	561	1.70E-66	1	294	176	507	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G41250.1.1	Plant	Ath	Ath_AT5G41250.1.1	Ath_AT5G41250.1.1
GT31	192	AT5G41460.1.1	524	2.60E-13	74	190	196	303	0.604166667	Arabidopsis_thaliana	Plant	GT31_AT5G41460.1.1	Plant	Ath	Ath_AT5G41460.1.1	Ath_AT5G41460.1.1
GH28	325	AT5G41870.1.1	449	2.20E-82	8	320	75	420	0.96	Arabidopsis_thaliana	Plant	GH28_AT5G41870.1.1	Plant	Ath	Ath_AT5G41870.1.1	Ath_AT5G41870.1.1
CE16	267	AT5G41890.1.1	375	1.80E-18	58	266	111	356	0.779026217	Arabidopsis_thaliana	Plant	CE16_AT5G41890.1.1	Plant	Ath	Ath_AT5G41890.1.1	Ath_AT5G41890.1.1
GH17	311	AT5G42100.1.1	425	1.60E-110	1	309	27	346	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G42100.1.1	Plant	Ath	Ath_AT5G42100.1.1	Ath_AT5G42100.1.1
GH17	311	AT5G42100.2.1	423	1.60E-110	1	309	27	346	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G42100.2.1	Plant	Ath	Ath_AT5G42100.2.1	Ath_AT5G42100.2.1
CE16	267	AT5G42170.1.1	369	8.20E-25	50	263	105	357	0.797752809	Arabidopsis_thaliana	Plant	CE16_AT5G42170.1.1	Plant	Ath	Ath_AT5G42170.1.1	Ath_AT5G42170.1.1
AA2	255	AT5G42180.1.1	317	1.10E-55	12	252	43	302	0.941176471	Arabidopsis_thaliana	Plant	AA2_AT5G42180.1.1	Plant	Ath	Ath_AT5G42180.1.1	Ath_AT5G42180.1.1
GH1	429	AT5G42260.1.1	507	1.90E-172	2	428	33	505	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT5G42260.1.1	Plant	Ath	Ath_AT5G42260.1.1	Ath_AT5G42260.1.1
GH17	311	AT5G42720.1.1	438	3.50E-111	1	309	26	344	0.990353698	Arabidopsis_thaliana	Plant	GH17_AT5G42720.1.1	Plant	Ath	Ath_AT5G42720.1.1	Ath_AT5G42720.1.1
CE5	189	AT5G42930.1.1	467	0.0000021	64	149	264	346	0.44973545	Arabidopsis_thaliana	Plant	CE5_AT5G42930.1.1	Plant	Ath	Ath_AT5G42930.1.1	Ath_AT5G42930.1.1
CE5	189	AT5G42930.2.1	402	0.0000017	64	149	264	346	0.44973545	Arabidopsis_thaliana	Plant	CE5_AT5G42930.2.1	Plant	Ath	Ath_AT5G42930.2.1	Ath_AT5G42930.2.1
GH47	446	AT5G43710.1.1	624	5.20E-144	1	446	47	473	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT5G43710.1.1	Plant	Ath	Ath_AT5G43710.1.1	Ath_AT5G43710.1.1
GH47	446	AT5G43710.2.1	558	3.70E-144	1	446	47	473	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT5G43710.2.1	Plant	Ath	Ath_AT5G43710.2.1	Ath_AT5G43710.2.1
GH47	446	AT5G43710.3.1	561	3.70E-144	1	446	47	473	0.997757848	Arabidopsis_thaliana	Plant	GH47_AT5G43710.3.1	Plant	Ath	Ath_AT5G43710.3.1	Ath_AT5G43710.3.1
GT2_Cellulose_synt	722	AT5G44030.1.1	1049	0	1	719	294	1042	0.994459834	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G44030.1.1	Plant	Ath	Ath_AT5G44030.1.1	Ath_AT5G44030.1.1
GT2_Cellulose_synt	722	AT5G44030.2.1	1078	0	1	719	323	1071	0.994459834	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G44030.2.1	Plant	Ath	Ath_AT5G44030.2.1	Ath_AT5G44030.2.1
GT2_Cellulose_synt	722	AT5G44030.3.1	770	0	1	719	15	763	0.994459834	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G44030.3.1	Plant	Ath	Ath_AT5G44030.3.1	Ath_AT5G44030.3.1
AA7	458	AT5G44360.1.1	532	5.50E-90	9	458	78	527	0.980349345	Arabidopsis_thaliana	Plant	AA7_AT5G44360.1.1	Plant	Ath	Ath_AT5G44360.1.1	Ath_AT5G44360.1.1
AA7	458	AT5G44360.2.1	548	6.10E-90	9	458	94	543	0.980349345	Arabidopsis_thaliana	Plant	AA7_AT5G44360.2.1	Plant	Ath	Ath_AT5G44360.2.1	Ath_AT5G44360.2.1
AA7	458	AT5G44380.1.1	541	7.70E-86	14	458	86	536	0.969432314	Arabidopsis_thaliana	Plant	AA7_AT5G44380.1.1	Plant	Ath	Ath_AT5G44380.1.1	Ath_AT5G44380.1.1
AA7	458	AT5G44380.2.1	581	9.90E-86	14	458	126	576	0.969432314	Arabidopsis_thaliana	Plant	AA7_AT5G44380.2.1	Plant	Ath	Ath_AT5G44380.2.1	Ath_AT5G44380.2.1
AA7	458	AT5G44390.1.1	542	3.70E-74	5	230	76	308	0.491266376	Arabidopsis_thaliana	Plant	AA7_AT5G44390.1.1	Plant	Ath	Ath_AT5G44390.1.1	Ath_AT5G44390.1.1
AA7	458	AT5G44400.1.1	537	1.50E-71	13	228	82	304	0.469432314	Arabidopsis_thaliana	Plant	AA7_AT5G44400.1.1	Plant	Ath	Ath_AT5G44400.1.1	Ath_AT5G44400.1.1
AA7	458	AT5G44410.1.1	535	7.30E-77	14	227	81	299	0.465065502	Arabidopsis_thaliana	Plant	AA7_AT5G44410.1.1	Plant	Ath	Ath_AT5G44410.1.1	Ath_AT5G44410.1.1
AA7	458	AT5G44440.1.1	533	2.50E-90	13	458	76	526	0.971615721	Arabidopsis_thaliana	Plant	AA7_AT5G44440.1.1	Plant	Ath	Ath_AT5G44440.1.1	Ath_AT5G44440.1.1
AA7	458	AT5G44440.2.1	603	3.70E-90	13	458	146	596	0.971615721	Arabidopsis_thaliana	Plant	AA7_AT5G44440.2.1	Plant	Ath	Ath_AT5G44440.2.1	Ath_AT5G44440.2.1
GH1	429	AT5G44640.1.1	507	2.60E-173	2	428	33	505	0.993006993	Arabidopsis_thaliana	Plant	GH1_AT5G44640.1.1	Plant	Ath	Ath_AT5G44640.1.1	Ath_AT5G44640.1.1
GT92	279	AT5G44670.1.1	519	4.20E-59	2	220	257	469	0.781362007	Arabidopsis_thaliana	Plant	GT92_AT5G44670.1.1	Plant	Ath	Ath_AT5G44670.1.1	Ath_AT5G44670.1.1
GT77	216	AT5G44820.1.1	367	1.20E-59	2	216	139	336	0.990740741	Arabidopsis_thaliana	Plant	GT77_AT5G44820.1.1	Plant	Ath	Ath_AT5G44820.1.1	Ath_AT5G44820.1.1
GH28	325	AT5G44830.1.1	332	3.80E-89	9	322	4	318	0.963076923	Arabidopsis_thaliana	Plant	GH28_AT5G44830.1.1	Plant	Ath	Ath_AT5G44830.1.1	Ath_AT5G44830.1.1
GH28	325	AT5G44840.1.1	391	1.40E-92	5	322	48	377	0.975384615	Arabidopsis_thaliana	Plant	GH28_AT5G44840.1.1	Plant	Ath	Ath_AT5G44840.1.1	Ath_AT5G44840.1.1
GT47	296	AT5G44930.1.1	443	3.10E-72	4	295	64	366	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT5G44930.1.1	Plant	Ath	Ath_AT5G44930.1.1	Ath_AT5G44930.1.1
GT47	296	AT5G44930.2.1	443	3.10E-72	4	295	64	366	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT5G44930.2.1	Plant	Ath	Ath_AT5G44930.2.1	Ath_AT5G44930.2.1
GT47	296	AT5G44930.3.1	384	2.00E-72	4	295	64	366	0.983108108	Arabidopsis_thaliana	Plant	GT47_AT5G44930.3.1	Plant	Ath	Ath_AT5G44930.3.1	Ath_AT5G44930.3.1
CE13	355	AT5G45280.1.1	370	1.20E-128	4	295	22	312	0.81971831	Arabidopsis_thaliana	Plant	CE13_AT5G45280.1.1	Plant	Ath	Ath_AT5G45280.1.1	Ath_AT5G45280.1.1
CE13	355	AT5G45280.2.1	391	3.30E-152	4	354	22	371	0.985915493	Arabidopsis_thaliana	Plant	CE13_AT5G45280.2.1	Plant	Ath	Ath_AT5G45280.2.1	Ath_AT5G45280.2.1
GH14	412	AT5G45300.1.1	689	3.20E-148	1	396	258	658	0.958737864	Arabidopsis_thaliana	Plant	GH14_AT5G45300.1.1	Plant	Ath	Ath_AT5G45300.1.1	Ath_AT5G45300.1.1
GH14	412	AT5G45300.2.1	687	3.10E-148	1	396	256	656	0.958737864	Arabidopsis_thaliana	Plant	GH14_AT5G45300.2.1	Plant	Ath	Ath_AT5G45300.2.1	Ath_AT5G45300.2.1
GH14	412	AT5G45300.3.1	703	3.30E-148	1	396	272	672	0.958737864	Arabidopsis_thaliana	Plant	GH14_AT5G45300.3.1	Plant	Ath	Ath_AT5G45300.3.1	Ath_AT5G45300.3.1
CE16	267	AT5G45670.1.1	362	4.30E-25	3	261	32	337	0.966292135	Arabidopsis_thaliana	Plant	CE16_AT5G45670.1.1	Plant	Ath	Ath_AT5G45670.1.1	Ath_AT5G45670.1.1
CE16	267	AT5G45910.1.1	372	0.000000001	2	264	32	359	0.981273408	Arabidopsis_thaliana	Plant	CE16_AT5G45910.1.1	Plant	Ath	Ath_AT5G45910.1.1	Ath_AT5G45910.1.1
CE12	210	AT5G45920.1.1	241	4.40E-11	1	160	5	179	0.757142857	Arabidopsis_thaliana	Plant	CE12_AT5G45920.1.1	Plant	Ath	Ath_AT5G45920.1.1	Ath_AT5G45920.1.1
CE12	210	AT5G45920.2.1	197	2.80E-11	1	159	5	178	0.752380952	Arabidopsis_thaliana	Plant	CE12_AT5G45920.2.1	Plant	Ath	Ath_AT5G45920.2.1	Ath_AT5G45920.2.1
CE12	210	AT5G45920.3.1	197	2.80E-11	1	159	5	178	0.752380952	Arabidopsis_thaliana	Plant	CE12_AT5G45920.3.1	Plant	Ath	Ath_AT5G45920.3.1	Ath_AT5G45920.3.1
CE12	210	AT5G45920.4.1	241	4.40E-11	1	160	5	179	0.757142857	Arabidopsis_thaliana	Plant	CE12_AT5G45920.4.1	Plant	Ath	Ath_AT5G45920.4.1	Ath_AT5G45920.4.1
CE16	267	AT5G45950.1.1	357	2.50E-20	56	263	115	344	0.775280899	Arabidopsis_thaliana	Plant	CE16_AT5G45950.1.1	Plant	Ath	Ath_AT5G45950.1.1	Ath_AT5G45950.1.1
CE16	267	AT5G45960.1.1	375	8.60E-16	60	258	127	356	0.741573034	Arabidopsis_thaliana	Plant	CE16_AT5G45960.1.1	Plant	Ath	Ath_AT5G45960.1.1	Ath_AT5G45960.1.1
AA2	255	AT5G47000.1.1	334	2.00E-50	6	254	47	314	0.97254902	Arabidopsis_thaliana	Plant	AA2_AT5G47000.1.1	Plant	Ath	Ath_AT5G47000.1.1	Ath_AT5G47000.1.1
CE8	288	AT5G47500.1.1	362	1.40E-94	2	287	61	352	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G47500.1.1	Plant	Ath	Ath_AT5G47500.1.1	Ath_AT5G47500.1.1
GT8	257	AT5G47780.1.1	616	1.00E-60	1	255	278	588	0.988326848	Arabidopsis_thaliana	Plant	GT8_AT5G47780.1.1	Plant	Ath	Ath_AT5G47780.1.1	Ath_AT5G47780.1.1
GH16	189	AT5G48070.1.1	282	3.40E-24	52	176	59	208	0.656084656	Arabidopsis_thaliana	Plant	GH16_AT5G48070.1.1	Plant	Ath	Ath_AT5G48070.1.1	Ath_AT5G48070.1.1
AA1	943	AT5G48100.1.1	565	1.80E-179	1	553	19	556	0.585365854	Arabidopsis_thaliana	Plant	AA1_AT5G48100.1.1	Plant	Ath	Ath_AT5G48100.1.1	Ath_AT5G48100.1.1
GH28	325	AT5G48140.1.1	395	4.70E-88	5	323	45	376	0.978461539	Arabidopsis_thaliana	Plant	GH28_AT5G48140.1.1	Plant	Ath	Ath_AT5G48140.1.1	Ath_AT5G48140.1.1
GT92	279	AT5G48190.1.1	102	7.90E-22	93	195</										

CE8	288	AT5G49180.1.1	571	8.40E-115	1	287	259	554	0.993055556	Arabidopsis_thaliana	Plant	CE8_AT5G49180.1.1	Plant	Ath	Ath_AT5G49180.1.1	Ath_AT5G49180.1.1
GT4	160	AT5G49190.1.1	807	8.00E-47	5	157	565	734	0.95	Arabidopsis_thaliana	Plant	GT4_AT5G49190.1.1	Plant	Ath	Ath_AT5G49190.1.1	Ath_AT5G49190.1.1
GT4	160	AT5G49190.2.1	797	7.80E-47	5	157	555	724	0.95	Arabidopsis_thaliana	Plant	GT4_AT5G49190.2.1	Plant	Ath	Ath_AT5G49190.2.1	Ath_AT5G49190.2.1
GT4	160	AT5G49190.3.1	741	6.90E-47	5	157	499	668	0.95	Arabidopsis_thaliana	Plant	GT4_AT5G49190.3.1	Plant	Ath	Ath_AT5G49190.3.1	Ath_AT5G49190.3.1
GH28	325	AT5G49215.1.1	449	2.60E-67	10	322	74	423	0.96	Arabidopsis_thaliana	Plant	GH28_AT5G49215.1.1	Plant	Ath	Ath_AT5G49215.1.1	Ath_AT5G49215.1.1
GH28	325	AT5G49215.2.1	447	2.60E-67	10	322	72	421	0.96	Arabidopsis_thaliana	Plant	GH28_AT5G49215.2.1	Plant	Ath	Ath_AT5G49215.2.1	Ath_AT5G49215.2.1
GH3	216	AT5G49360.1.1	774	5.00E-70	2	215	81	329	0.986111111	Arabidopsis_thaliana	Plant	GH3_AT5G49360.1.1	Plant	Ath	Ath_AT5G49360.1.1	Ath_AT5G49360.1.1
CBM32	124	AT5G49570.1.1	721	0.0000028	13	109	589	699	0.774193548	Arabidopsis_thaliana	Plant	CBM32_AT5G49570.1.1	Plant	Ath	Ath_AT5G49570.1.1	Ath_AT5G49570.1.1
GT1	382	AT5G49690.1.1	460	8.10E-27	199	381	231	451	0.476439791	Arabidopsis_thaliana	Plant	GT1_AT5G49690.1.1	Plant	Ath	Ath_AT5G49690.1.1	Ath_AT5G49690.1.1
GH9	418	AT5G49720.1.1	621	1.40E-129	1	417	108	583	0.995215311	Arabidopsis_thaliana	Plant	GH9_AT5G49720.1.1	Plant	Ath	Ath_AT5G49720.1.1	Ath_AT5G49720.1.1
GH116	363	AT5G49900.1.1	957	1.00E-155	1	363	527	889	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT5G49900.1.1	Plant	Ath	Ath_AT5G49900.1.1	Ath_AT5G49900.1.1
GH116	363	AT5G49900.2.1	695	4.90E-156	1	363	265	627	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT5G49900.2.1	Plant	Ath	Ath_AT5G49900.2.1	Ath_AT5G49900.2.1
GH116	363	AT5G49900.3.1	957	1.00E-155	1	363	527	889	0.997245179	Arabidopsis_thaliana	Plant	GH116_AT5G49900.3.1	Plant	Ath	Ath_AT5G49900.3.1	Ath_AT5G49900.3.1
GT68	350	AT5G50420.1.1	566	1.90E-80	35	343	246	544	0.88	Arabidopsis_thaliana	Plant	GT68_AT5G50420.1.1	Plant	Ath	Ath_AT5G50420.1.1	Ath_AT5G50420.1.1
GT75	343	AT5G50750.1.1	364	4.00E-171	2	343	14	349	0.994169096	Arabidopsis_thaliana	Plant	GT75_AT5G50750.1.1	Plant	Ath	Ath_AT5G50750.1.1	Ath_AT5G50750.1.1
AA1	943	AT5G51480.1.1	592	4.10E-129	449	912	46	515	0.490986214	Arabidopsis_thaliana	Plant	AA1_AT5G51480.1.1	Plant	Ath	Ath_AT5G51480.1.1	Ath_AT5G51480.1.1
CE8	288	AT5G51490.1.1	536	2.20E-104	2	287	222	520	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G51490.1.1	Plant	Ath	Ath_AT5G51490.1.1	Ath_AT5G51490.1.1
CE8	288	AT5G51500.1.1	540	6.60E-102	2	287	226	524	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G51500.1.1	Plant	Ath	Ath_AT5G51500.1.1	Ath_AT5G51500.1.1
AA2	255	AT5G51890.1.1	322	4.00E-57	23	254	58	308	0.905882353	Arabidopsis_thaliana	Plant	AA2_AT5G51890.1.1	Plant	Ath	Ath_AT5G51890.1.1	Ath_AT5G51890.1.1
AA3	618	AT5G51930.1.1	582	3.20E-68	81	390	64	581	0.5	Arabidopsis_thaliana	Plant	AA3_AT5G51930.1.1	Plant	Ath	Ath_AT5G51930.1.1	Ath_AT5G51930.1.1
AA3	618	AT5G51930.2.1	551	6.10E-70	75	404	11	548	0.532362646	Arabidopsis_thaliana	Plant	AA3_AT5G51930.2.1	Plant	Ath	Ath_AT5G51930.2.1	Ath_AT5G51930.2.1
AA3	618	AT5G51950.1.1	586	6.20E-70	86	402	42	577	0.511326861	Arabidopsis_thaliana	Plant	AA3_AT5G51950.1.1	Plant	Ath	Ath_AT5G51950.1.1	Ath_AT5G51950.1.1
AA3	618	AT5G51950.2.1	551	6.00E-70	88	402	11	542	0.508090615	Arabidopsis_thaliana	Plant	AA3_AT5G51950.2.1	Plant	Ath	Ath_AT5G51950.2.1	Ath_AT5G51950.2.1
AA3	618	AT5G51950.3.1	584	6.00E-70	86	402	42	575	0.511326861	Arabidopsis_thaliana	Plant	AA3_AT5G51950.3.1	Plant	Ath	Ath_AT5G51950.3.1	Ath_AT5G51950.3.1
GT31	192	AT5G53340.1.1	338	3.90E-43	1	191	124	320	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT5G53340.1.1	Plant	Ath	Ath_AT5G53340.1.1	Ath_AT5G53340.1.1
GT31	192	AT5G53340.2.1	337	3.90E-43	1	191	124	320	0.989583333	Arabidopsis_thaliana	Plant	GT31_AT5G53340.2.1	Plant	Ath	Ath_AT5G53340.2.1	Ath_AT5G53340.2.1
CE8	288	AT5G53370.1.1	587	5.10E-109	1	288	273	570	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT5G53370.1.1	Plant	Ath	Ath_AT5G53370.1.1	Ath_AT5G53370.1.1
CE8	288	AT5G53370.2.1	623	5.90E-109	1	288	309	606	0.996527778	Arabidopsis_thaliana	Plant	CE8_AT5G53370.2.1	Plant	Ath	Ath_AT5G53370.2.1	Ath_AT5G53370.2.1
CBM43	83	AT5G53600.1.1	111	1.40E-26	1	82	29	109	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G53600.1.1	Plant	Ath	Ath_AT5G53600.1.1	Ath_AT5G53600.1.1
CBM43	83	AT5G53610.1.1	110	1.70E-28	1	83	28	109	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G53610.1.1	Plant	Ath	Ath_AT5G53610.1.1	Ath_AT5G53610.1.1
GT1	382	AT5G53990.1.1	447	9.80E-21	26	362	35	418	0.879581152	Arabidopsis_thaliana	Plant	GT1_AT5G53990.1.1	Plant	Ath	Ath_AT5G53990.1.1	Ath_AT5G53990.1.1
GT1	382	AT5G54010.1.1	453	1.10E-18	202	366	217	428	0.429319372	Arabidopsis_thaliana	Plant	GT1_AT5G54010.1.1	Plant	Ath	Ath_AT5G54010.1.1	Ath_AT5G54010.1.1
GT1	382	AT5G54060.1.1	468	1.40E-21	202	358	234	435	0.408376963	Arabidopsis_thaliana	Plant	GT1_AT5G54060.1.1	Plant	Ath	Ath_AT5G54060.1.1	Ath_AT5G54060.1.1
CBM57	147	AT5G54380.1.1	855	7.30E-10	1	134	211	366	0.904761905	Arabidopsis_thaliana	Plant	CBM57_AT5G54380.1.1	Plant	Ath	Ath_AT5G54380.1.1	Ath_AT5G54380.1.1
CBM57	147	AT5G54380.1.1	855	2.50E-09	2	147	32	177	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT5G54380.1.1	Plant	Ath	Ath_AT5G54380.1.1	Ath_AT5G54380.1.1
AA6	195	AT5G54500.1.1	204	1.40E-81	1	195	4	198	0.994871795	Arabidopsis_thaliana	Plant	AA6_AT5G54500.1.1	Plant	Ath	Ath_AT5G54500.1.1	Ath_AT5G54500.1.1
AA6	195	AT5G54500.2.1	244	2.80E-66	1	158	4	162	0.805128205	Arabidopsis_thaliana	Plant	AA6_AT5G54500.2.1	Plant	Ath	Ath_AT5G54500.2.1	Ath_AT5G54500.2.1
GH1	429	AT5G54570.1.1	535	6.40E-174	2	425	32	506	0.986013986	Arabidopsis_thaliana	Plant	GH1_AT5G54570.1.1	Plant	Ath	Ath_AT5G54570.1.1	Ath_AT5G54570.1.1
GH1	429	AT5G54570.2.1	438	1.10E-143	67	425	1	409	0.834498835	Arabidopsis_thaliana	Plant	GH1_AT5G54570.2.1	Plant	Ath	Ath_AT5G54570.2.1	Ath_AT5G54570.2.1
GH1	429	AT5G54570.3.1	451	6.70E-145	2	372	32	451	0.862470863	Arabidopsis_thaliana	Plant	GH1_AT5G54570.3.1	Plant	Ath	Ath_AT5G54570.3.1	Ath_AT5G54570.3.1
GT8	257	AT5G54690.1.1	535	3.80E-53	1	256	175	507	0.992217899	Arabidopsis_thaliana	Plant	GT8_AT5G54690.1.1	Plant	Ath	Ath_AT5G54690.1.1	Ath_AT5G54690.1.1
CE16	267	AT5G55050.1.1	376	3.80E-27	53	262	118	353	0.782771536	Arabidopsis_thaliana	Plant	CE16_AT5G55050.1.1	Plant	Ath	Ath_AT5G55050.1.1	Ath_AT5G55050.1.1
CBM43	83	AT5G55180.1.1	460	1.80E-31	1	83	372	455	0.987951807	Arabidopsis_thaliana	Plant	CBM43_AT5G55180.1.1	Plant	Ath	Ath_AT5G55180.1.1	Ath_AT5G55180.1.1
GH17	311	AT5G55180.1.1	460	2.00E-115	1	310	27	345	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT5G55180.1.1	Plant	Ath	Ath_AT5G55180.1.1	Ath_AT5G55180.1.1
CBM43	83	AT5G55180.2.1	465	4.40E-30	1	78	372	450	0.927710843	Arabidopsis_thaliana	Plant	CBM43_AT5G55180.2.1	Plant	Ath	Ath_AT5G55180.2.1	Ath_AT5G55180.2.1
GH17	311	AT5G55180.2.1	465	2.10E-115	1	310	27	345	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT5G55180.2.1	Plant	Ath	Ath_AT5G55180.2.1	Ath_AT5G55180.2.1
GT61	242	AT5G55500.1.1	534	0.000000014	66	231	224	421	0.681818182	Arabidopsis_thaliana	Plant	GT61_AT5G55500.1.1	Plant	Ath	Ath_AT5G55500.1.1	Ath_AT5G55500.1.1
CE8	288	AT5G55590.1.1	380	3.10E-97	2	287	82	373	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G55590.1.1	Plant	Ath	Ath_AT5G55590.1.1	Ath_AT5G55590.1.1
CE8	288	AT5G55590.2.1	332	1.60E-84	2	243	82	327	0.836805556	Arabidopsis_thaliana	Plant	CE8_AT5G55590.2.1	Plant	Ath	Ath_AT5G55590.2.1	Ath_AT5G55590.2.1
GH14	412	AT5G55700.1.1	531	2.70E-155	1	411	95	520	0.995145631	Arabidopsis_thaliana	Plant	GH14_AT5G55700.1.1	Plant	Ath	Ath_AT5G55700.1.1	Ath_AT5G55700.1.1
GH14	412	AT5G55700.2.1	368	8.60E-120	99	411	34	357	0.757281553	Arabidopsis_thaliana	Plant	GH14_AT5G55700.2.1	Plant	Ath	Ath_AT5G55700.2.1	Ath_AT5G55700.2.1
PL1	202	AT5G55720.1.1	392	9.50E-62	19	201	118	311	0.900990099	Arabidopsis_thaliana	Plant	PL1_AT5G55720.1.1	Plant	Ath	Ath_AT5G55720.1.1	Ath_AT5G55720.1.1
AA7	458	AT5G56490.1.1	577	0.000000003	15	184	50	230	0.368995633	Arabidopsis_thaliana	Plant	AA7_AT5G56490.1.1	Plant	Ath	Ath_AT5G56490.1.1	Ath_AT5G56490.1.1
CBM43	83	AT5G56590.1.1	506	1.30E-28	1	82	369	451	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G56590.1.1	Plant	Ath	Ath_AT5G56590.1.1	Ath_AT5G56590.1.1
GH17	311	AT5G56590.1.1	506	1.20E-114	1	311	26	346	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT5G56590.1.1	Plant	Ath	Ath_AT5G56590.1.1	Ath_AT5G56590.1.1
GH35	307	AT5G56870.1.1	724	9.70E-117	2	306	37	338	0.990228013	Arabidopsis_thaliana	Plant	GH35_AT5G56870.1.1	Plant	Ath	Ath_AT5G56870.1.1	Ath_AT5G56870.1.1
AA7	458	AT5G56970.1.1	523	3.10E-25	10	187	65	248	0.386462882	Arabidopsis_thaliana	Plant	AA7_AT5G56970.1.1	Plant	Ath	Ath_AT5G56970.1.1	Ath_AT5G56970.1.1
AA7	458	AT5G56970.2.1	423	1.90E-25	10	187	65	248	0.386462882	Arabidopsis_thaliana	Plant	AA7_AT5G56970.2.1	Plant	Ath	Ath_AT5G56970.2.1	Ath_AT5G56970.2.1
GT14	250	AT5G57270.1.1	388	1.00E-15	60	245	151	318	0.74	Arabidopsis_thaliana	Plant	GT14_AT5G57270.1.1	Plant	Ath	Ath_AT5G57270.1.1	Ath_AT5G57270.1.1
GT14	250	AT5G57270.2.1	388	1.00E-15	60	245	151	318	0.74	Arabidopsis_thaliana	Plant	GT14_AT5G57270.2.1	Plant	Ath	Ath_AT5G57270.2.1	Ath_AT5G57270.2.1
GT14	250	AT5G57270.3.1	388	1.00E-15	60	245	151	318	0.74	Arabidopsis_thaliana	Plant	GT14_AT5G57270.3.1	Plant	Ath	Ath_AT5G57270.3.1	Ath_AT5G57270.3.1
GT14	250	AT5G57270.4.1	388	1.00E-15	60	245	151	318	0.74	Arabidopsis_thaliana	Plant	GT14_AT5G57270.4.1	Plant	Ath	Ath_AT5G57270.4.1	Ath_AT5G57270.4.1
GT14	250	AT5G57270.5.1	388	1.00E-15	60	245	151	318	0.74	Arabidopsis_thaliana	Plant	GT14_AT5G57270.5.1	Plant	Ath	Ath_AT5G57270.5.1	Ath_AT5G57270.5.1
GT31	192	AT5G57500.1.1	318	8.00E-29	2	184	84	252	0.947916667	Arabidopsis_thaliana	Plant	GT31_AT5G57500.1.1	Plant	Ath	Ath_AT5G57500.1.1	Ath_AT5G57500.1.1
GH16	189	AT5G57530.1.1	285	4.40E-23	39	186	49	207	0.777777778	Arabidopsis_thaliana	Plant	GH16_AT5G57530.1.1	Plant	Ath	Ath_AT5G57530.1.1	Ath_AT5G57530.1.1
GH16	189	AT5G57540.1.1	284	1.90E-22	39	186	48	206	0.777777778	Arabidopsis_thaliana	Plant					

GH33	342	AT5G57700.4.1	348	2.10E-30	6	332	11	311	0.953216374	Arabidopsis_thaliana	Plant	GH33_AT5G57700.4.1	Plant	Ath	Ath_AT5G57700.4.1	Ath_AT5G57700.4.1
GH33	342	AT5G57700.5.1	347	2.10E-30	6	332	10	310	0.953216374	Arabidopsis_thaliana	Plant	GH33_AT5G57700.5.1	Plant	Ath	Ath_AT5G57700.5.1	Ath_AT5G57700.5.1
CBM43	83	AT5G58090.1.1	477	7.70E-22	1	82	362	443	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G58090.1.1	Plant	Ath	Ath_AT5G58090.1.1	Ath_AT5G58090.1.1
GH17	311	AT5G58090.1.1	477	3.60E-106	1	310	22	340	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT5G58090.1.1	Plant	Ath	Ath_AT5G58090.1.1	Ath_AT5G58090.1.1
AA2	255	AT5G58390.1.1	316	1.00E-51	16	251	46	297	0.921568628	Arabidopsis_thaliana	Plant	AA2_AT5G58390.1.1	Plant	Ath	Ath_AT5G58390.1.1	Ath_AT5G58390.1.1
AA2	255	AT5G58400.1.1	325	2.20E-50	13	251	51	306	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT5G58400.1.1	Plant	Ath	Ath_AT5G58400.1.1	Ath_AT5G58400.1.1
CBM43	83	AT5G58480.1.1	476	3.50E-20	1	82	363	442	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G58480.1.1	Plant	Ath	Ath_AT5G58480.1.1	Ath_AT5G58480.1.1
GH17	311	AT5G58480.1.1	476	1.80E-89	1	311	26	345	0.996784566	Arabidopsis_thaliana	Plant	GH17_AT5G58480.1.1	Plant	Ath	Ath_AT5G58480.1.1	Ath_AT5G58480.1.1
AA6	195	AT5G58800.1.1	207	3.50E-71	1	195	5	200	0.994871795	Arabidopsis_thaliana	Plant	AA6_AT5G58800.1.1	Plant	Ath	Ath_AT5G58800.1.1	Ath_AT5G58800.1.1
AA6	195	AT5G58800.2.1	207	3.50E-71	1	195	5	200	0.994871795	Arabidopsis_thaliana	Plant	AA6_AT5G58800.2.1	Plant	Ath	Ath_AT5G58800.2.1	Ath_AT5G58800.2.1
AA1	943	AT5G58910.1.1	523	7.90E-157	12	552	1	510	0.572640509	Arabidopsis_thaliana	Plant	AA1_AT5G58910.1.1	Plant	Ath	Ath_AT5G58910.1.1	Ath_AT5G58910.1.1
AA1	943	AT5G58910.2.1	567	1.80E-171	3	552	29	554	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G58910.2.1	Plant	Ath	Ath_AT5G58910.2.1	Ath_AT5G58910.2.1
AA1	943	AT5G58910.3.1	566	8.20E-169	3	552	29	553	0.582184518	Arabidopsis_thaliana	Plant	AA1_AT5G58910.3.1	Plant	Ath	Ath_AT5G58910.3.1	Ath_AT5G58910.3.1
GT4	160	AT5G59070.1.1	505	1.10E-18	6	154	314	462	0.925	Arabidopsis_thaliana	Plant	GT4_AT5G59070.1.1	Plant	Ath	Ath_AT5G59070.1.1	Ath_AT5G59070.1.1
GT1	382	AT5G59580.1.1	453	5.60E-31	220	358	244	420	0.361256545	Arabidopsis_thaliana	Plant	GT1_AT5G59580.1.1	Plant	Ath	Ath_AT5G59580.1.1	Ath_AT5G59580.1.1
GT1	382	AT5G59590.1.1	449	2.70E-31	220	364	250	428	0.376963351	Arabidopsis_thaliana	Plant	GT1_AT5G59590.1.1	Plant	Ath	Ath_AT5G59590.1.1	Ath_AT5G59590.1.1
CBM57	147	AT5G59700.1.1	829	1.20E-10	2	138	31	159	0.925170068	Arabidopsis_thaliana	Plant	CBM57_AT5G59700.1.1	Plant	Ath	Ath_AT5G59700.1.1	Ath_AT5G59700.1.1
CBM57	147	AT5G59700.1.1	829	8.90E-09	1	109	202	328	0.734693878	Arabidopsis_thaliana	Plant	CBM57_AT5G59700.1.1	Plant	Ath	Ath_AT5G59700.1.1	Ath_AT5G59700.1.1
AA1	943	AT5G60020.1.1	577	5.90E-167	3	553	24	570	0.583244963	Arabidopsis_thaliana	Plant	AA1_AT5G60020.1.1	Plant	Ath	Ath_AT5G60020.1.1	Ath_AT5G60020.1.1
AA1	943	AT5G60020.2.1	547	7.10E-152	3	525	24	535	0.553552492	Arabidopsis_thaliana	Plant	AA1_AT5G60020.2.1	Plant	Ath	Ath_AT5G60020.2.1	Ath_AT5G60020.2.1
AA1	943	AT5G60020.3.1	545	4.90E-163	12	553	1	538	0.573700954	Arabidopsis_thaliana	Plant	AA1_AT5G60020.3.1	Plant	Ath	Ath_AT5G60020.3.1	Ath_AT5G60020.3.1
CBM43	83	AT5G61130.1.1	201	1.30E-27	1	82	21	102	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G61130.1.1	Plant	Ath	Ath_AT5G61130.1.1	Ath_AT5G61130.1.1
GH79	455	AT5G61250.1.1	539	1.70E-149	1	455	41	533	0.997802198	Arabidopsis_thaliana	Plant	GH79_AT5G61250.1.1	Plant	Ath	Ath_AT5G61250.1.1	Ath_AT5G61250.1.1
GH79	455	AT5G61250.2.1	539	1.70E-149	1	455	41	533	0.997802198	Arabidopsis_thaliana	Plant	GH79_AT5G61250.2.1	Plant	Ath	Ath_AT5G61250.2.1	Ath_AT5G61250.2.1
GH79	455	AT5G61250.3.1	539	1.70E-149	1	455	41	533	0.997802198	Arabidopsis_thaliana	Plant	GH79_AT5G61250.3.1	Plant	Ath	Ath_AT5G61250.3.1	Ath_AT5G61250.3.1
CBM57	147	AT5G61350.1.1	842	9.30E-10	2	147	34	182	0.986394558	Arabidopsis_thaliana	Plant	CBM57_AT5G61350.1.1	Plant	Ath	Ath_AT5G61350.1.1	Ath_AT5G61350.1.1
CBM57	147	AT5G61350.1.1	842	0.00000017	3	135	218	373	0.897959184	Arabidopsis_thaliana	Plant	CBM57_AT5G61350.1.1	Plant	Ath	Ath_AT5G61350.1.1	Ath_AT5G61350.1.1
CE8	288	AT5G61680.1.1	364	4.60E-87	3	287	70	353	0.986111111	Arabidopsis_thaliana	Plant	CE8_AT5G61680.1.1	Plant	Ath	Ath_AT5G61680.1.1	Ath_AT5G61680.1.1
GT47	296	AT5G61840.1.1	415	3.20E-77	4	296	48	343	0.986486487	Arabidopsis_thaliana	Plant	GT47_AT5G61840.1.1	Plant	Ath	Ath_AT5G61840.1.1	Ath_AT5G61840.1.1
CBM50	40	AT5G62150.1.1	102	0.0000045	1	39	52	93	0.95	Arabidopsis_thaliana	Plant	CBM50_AT5G62150.1.1	Plant	Ath	Ath_AT5G62150.1.1	Ath_AT5G62150.1.1
CE10	341	AT5G62180.1.1	327	1.90E-54	58	316	37	310	0.756598241	Arabidopsis_thaliana	Plant	CE10_AT5G62180.1.1	Plant	Ath	Ath_AT5G62180.1.1	Ath_AT5G62180.1.1
GT47	296	AT5G62220.1.1	517	1.10E-66	2	295	118	460	0.989864865	Arabidopsis_thaliana	Plant	GT47_AT5G62220.1.1	Plant	Ath	Ath_AT5G62220.1.1	Ath_AT5G62220.1.1
GT31	192	AT5G62620.1.1	681	1.10E-71	2	186	447	628	0.958333333	Arabidopsis_thaliana	Plant	GT31_AT5G62620.1.1	Plant	Ath	Ath_AT5G62620.1.1	Ath_AT5G62620.1.1
GT31	192	AT5G62620.2.1	612	3.80E-62	2	165	447	608	0.848958333	Arabidopsis_thaliana	Plant	GT31_AT5G62620.2.1	Plant	Ath	Ath_AT5G62620.2.1	Ath_AT5G62620.2.1
CE12	210	AT5G62930.1.1	242	1.40E-12	2	166	5	184	0.780952381	Arabidopsis_thaliana	Plant	CE12_AT5G62930.1.1	Plant	Ath	Ath_AT5G62930.1.1	Ath_AT5G62930.1.1
CE12	210	AT5G62930.2.1	268	2.40E-12	2	162	31	206	0.761904762	Arabidopsis_thaliana	Plant	CE12_AT5G62930.2.1	Plant	Ath	Ath_AT5G62930.2.1	Ath_AT5G62930.2.1
CE12	210	AT5G62930.3.1	184	0.0000003	70	168	11	128	0.466666667	Arabidopsis_thaliana	Plant	CE12_AT5G62930.3.1	Plant	Ath	Ath_AT5G62930.3.1	Ath_AT5G62930.3.1
CE16	267	AT5G63170.1.1	338	1.00E-17	60	259	108	322	0.745318352	Arabidopsis_thaliana	Plant	CE16_AT5G63170.1.1	Plant	Ath	Ath_AT5G63170.1.1	Ath_AT5G63170.1.1
PL1	202	AT5G63180.1.1	432	2.90E-61	16	200	148	349	0.910891089	Arabidopsis_thaliana	Plant	PL1_AT5G63180.1.1	Plant	Ath	Ath_AT5G63180.1.1	Ath_AT5G63180.1.1
CBM43	83	AT5G63225.1.1	110	1.50E-31	1	82	25	106	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G63225.1.1	Plant	Ath	Ath_AT5G63225.1.1	Ath_AT5G63225.1.1
CBM43	83	AT5G63230.1.1	111	8.30E-30	1	82	26	107	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G63230.1.1	Plant	Ath	Ath_AT5G63230.1.1	Ath_AT5G63230.1.1
CBM43	83	AT5G63240.1.1	129	7.60E-29	1	82	40	124	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G63240.1.1	Plant	Ath	Ath_AT5G63240.1.1	Ath_AT5G63240.1.1
CBM43	83	AT5G63250.1.1	132	1.70E-30	1	82	42	126	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G63250.1.1	Plant	Ath	Ath_AT5G63250.1.1	Ath_AT5G63250.1.1
GH35	307	AT5G63800.1.1	718	5.10E-109	1	306	39	343	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT5G63800.1.1	Plant	Ath	Ath_AT5G63800.1.1	Ath_AT5G63800.1.1
GH35	307	AT5G63810.1.1	741	4.00E-112	1	306	39	342	0.993485342	Arabidopsis_thaliana	Plant	GH35_AT5G63810.1.1	Plant	Ath	Ath_AT5G63810.1.1	Ath_AT5G63810.1.1
GH31	427	AT5G63840.1.1	921	1.50E-160	2	427	335	779	0.995316159	Arabidopsis_thaliana	Plant	GH31_AT5G63840.1.1	Plant	Ath	Ath_AT5G63840.1.1	Ath_AT5G63840.1.1
GH31	427	AT5G63840.2.1	948	1.60E-160	2	427	362	806	0.995316159	Arabidopsis_thaliana	Plant	GH31_AT5G63840.2.1	Plant	Ath	Ath_AT5G63840.2.1	Ath_AT5G63840.2.1
AA2	255	AT5G64100.1.1	331	1.30E-52	11	253	56	314	0.949019608	Arabidopsis_thaliana	Plant	AA2_AT5G64100.1.1	Plant	Ath	Ath_AT5G64100.1.1	Ath_AT5G64100.1.1
AA2	255	AT5G64110.1.1	330	4.80E-48	17	253	60	313	0.925490196	Arabidopsis_thaliana	Plant	AA2_AT5G64110.1.1	Plant	Ath	Ath_AT5G64110.1.1	Ath_AT5G64110.1.1
AA2	255	AT5G64120.1.1	328	2.10E-56	16	253	60	311	0.929411765	Arabidopsis_thaliana	Plant	AA2_AT5G64120.1.1	Plant	Ath	Ath_AT5G64120.1.1	Ath_AT5G64120.1.1
GH3	216	AT5G64570.1.1	784	3.00E-72	3	215	92	341	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G64570.1.1	Plant	Ath	Ath_AT5G64570.1.1	Ath_AT5G64570.1.1
GH3	216	AT5G64570.2.1	626	4.00E-55	61	215	8	183	0.712962963	Arabidopsis_thaliana	Plant	GH3_AT5G64570.2.1	Plant	Ath	Ath_AT5G64570.2.1	Ath_AT5G64570.2.1
GH3	216	AT5G64570.3.1	610	1.80E-72	3	215	92	341	0.981481482	Arabidopsis_thaliana	Plant	GH3_AT5G64570.3.1	Plant	Ath	Ath_AT5G64570.3.1	Ath_AT5G64570.3.1
GT68	350	AT5G64600.1.1	522	0.0000007	202	349	254	443	0.42	Arabidopsis_thaliana	Plant	GT68_AT5G64600.1.1	Plant	Ath	Ath_AT5G64600.1.1	Ath_AT5G64600.1.1
CE8	288	AT5G64640.1.1	602	9.90E-109	2	287	289	593	0.989583333	Arabidopsis_thaliana	Plant	CE8_AT5G64640.1.1	Plant	Ath	Ath_AT5G64640.1.1	Ath_AT5G64640.1.1
GT2_Cellulose_synt	722	AT5G64740.1.1	1084	0	1	714	355	1072	0.987534626	Arabidopsis_thaliana	Plant	GT2_Cellulose_synt_AT5G64740.1.1	Plant	Ath	Ath_AT5G64740.1.1	Ath_AT5G64740.1.1
CBM43	83	AT5G64790.1.1	485	1.40E-22	1	82	369	449	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G64790.1.1	Plant	Ath	Ath_AT5G64790.1.1	Ath_AT5G64790.1.1
GH17	311	AT5G64790.1.1	485	1.10E-100	2	311	29	347	0.993569132	Arabidopsis_thaliana	Plant	GH17_AT5G64790.1.1	Plant	Ath	Ath_AT5G64790.1.1	Ath_AT5G64790.1.1
GH77	494	AT5G64860.1.1	576	1.50E-158	1	485	88	563	0.979757085	Arabidopsis_thaliana	Plant	GH77_AT5G64860.1.1	Plant	Ath	Ath_AT5G64860.1.1	Ath_AT5G64860.1.1
GT1	382	AT5G65550.1.1	466	5.20E-29	220	352	241	426	0.345549738	Arabidopsis_thaliana	Plant	GT1_AT5G65550.1.1	Plant	Ath	Ath_AT5G65550.1.1	Ath_AT5G65550.1.1
GT5	472	AT5G65685.1.1	460	1.70E-45	1	253	192	442	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.1.1	Plant	Ath	Ath_AT5G65685.1.1	Ath_AT5G65685.1.1
GT5	472	AT5G65685.10.1	382	1.00E-45	1	253	114	364	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.10.1	Plant	Ath	Ath_AT5G65685.10.1	Ath_AT5G65685.10.1
GT5	472	AT5G65685.11.1	499	2.10E-45	1	253	231	481	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.11.1	Plant	Ath	Ath_AT5G65685.11.1	Ath_AT5G65685.11.1
GT5	472	AT5G65685.12.1	488	2.00E-45	1	253	220	470	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.12.1	Plant	Ath	Ath_AT5G65685.12.1	Ath_AT5G65685.12.1
GT5	472	AT5G65685.2.1	449	1.60E-45	1	253	181	431	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.2.1	Plant	Ath	Ath_AT5G65685.2.1	Ath_AT5G65685.2.1
GT5	472	AT5G65685.3.1	382	1.00E-45	1	25										

GT5	472	AT5G65685.9.1	382	1.00E-45	1	253	114	364	0.533898305	Arabidopsis_thaliana	Plant	GT5_AT5G65685.9.1	Plant	Ath	Ath_AT5G65685.9.1	Ath_AT5G65685.9.1
GH16	189	AT5G65730.1.1	292	1.10E-23	35	187	52	217	0.804232804	Arabidopsis_thaliana	Plant	GH16_AT5G65730.1.1	Plant	Ath	Ath_AT5G65730.1.1	Ath_AT5G65730.1.1
GH38	269	AT5G66150.1.1	1047	2.50E-77	1	269	48	359	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT5G66150.1.1	Plant	Ath	Ath_AT5G66150.1.1	Ath_AT5G66150.1.1
GH38	269	AT5G66150.2.1	1046	2.50E-77	1	269	48	359	0.996282528	Arabidopsis_thaliana	Plant	GH38_AT5G66150.2.1	Plant	Ath	Ath_AT5G66150.2.1	Ath_AT5G66150.2.1
AA2	255	AT5G66390.1.1	336	2.40E-60	14	252	56	315	0.933333333	Arabidopsis_thaliana	Plant	AA2_AT5G66390.1.1	Plant	Ath	Ath_AT5G66390.1.1	Ath_AT5G66390.1.1
GH5	275	AT5G66460.1.1	431	7.00E-32	6	230	42	363	0.814545455	Arabidopsis_thaliana	Plant	GH5_AT5G66460.1.1	Plant	Ath	Ath_AT5G66460.1.1	Ath_AT5G66460.1.1
GT1	382	AT5G66690.1.1	481	5.40E-36	162	362	209	442	0.523560209	Arabidopsis_thaliana	Plant	GT1_AT5G66690.1.1	Plant	Ath	Ath_AT5G66690.1.1	Ath_AT5G66690.1.1
AA1	943	AT5G66920.1.1	546	1.10E-139	449	913	55	504	0.49204666	Arabidopsis_thaliana	Plant	AA1_AT5G66920.1.1	Plant	Ath	Ath_AT5G66920.1.1	Ath_AT5G66920.1.1
CE5	189	AT5G67050.1.1	477	0.0000091	68	153	272	354	0.44973545	Arabidopsis_thaliana	Plant	CE5_AT5G67050.1.1	Plant	Ath	Ath_AT5G67050.1.1	Ath_AT5G67050.1.1
GT43	212	AT5G67230.1.1	492	1.00E-67	2	212	174	417	0.990566038	Arabidopsis_thaliana	Plant	GT43_AT5G67230.1.1	Plant	Ath	Ath_AT5G67230.1.1	Ath_AT5G67230.1.1
AA2	255	AT5G67400.1.1	329	1.20E-51	4	254	39	313	0.980392157	Arabidopsis_thaliana	Plant	AA2_AT5G67400.1.1	Plant	Ath	Ath_AT5G67400.1.1	Ath_AT5G67400.1.1
CBM43	83	AT5G67460.1.1	380	2.30E-31	1	82	293	375	0.975903615	Arabidopsis_thaliana	Plant	CBM43_AT5G67460.1.1	Plant	Ath	Ath_AT5G67460.1.1	Ath_AT5G67460.1.1
GH17	311	AT5G67460.1.1	380	8.60E-17	34	175	30	162	0.453376206	Arabidopsis_thaliana	Plant	GH17_AT5G67460.1.1	Plant	Ath	Ath_AT5G67460.1.1	Ath_AT5G67460.1.1
CBM43	83	AT5G67460.2.1	379	6.50E-30	1	79	293	372	0.939759036	Arabidopsis_thaliana	Plant	CBM43_AT5G67460.2.1	Plant	Ath	Ath_AT5G67460.2.1	Ath_AT5G67460.2.1
GH17	311	AT5G67460.2.1	379	8.60E-17	34	175	30	162	0.453376206	Arabidopsis_thaliana	Plant	GH17_AT5G67460.2.1	Plant	Ath	Ath_AT5G67460.2.1	Ath_AT5G67460.2.1
GH43	248	AT5G67540.1.1	466	5.30E-32	21	209	164	389	0.758064516	Arabidopsis_thaliana	Plant	GH43_AT5G67540.1.1	Plant	Ath	Ath_AT5G67540.1.1	Ath_AT5G67540.1.1
GH43	248	AT5G67540.2.1	471	5.40E-32	21	209	169	394	0.758064516	Arabidopsis_thaliana	Plant	GH43_AT5G67540.2.1	Plant	Ath	Ath_AT5G67540.2.1	Ath_AT5G67540.2.1
GH43	248	AT5G67540.3.1	493	5.90E-32	21	209	191	416	0.758064516	Arabidopsis_thaliana	Plant	GH43_AT5G67540.3.1	Plant	Ath	Ath_AT5G67540.3.1	Ath_AT5G67540.3.1
CBM49	78	EAL60558	1137	3.10E-16	2	77	1044	1120	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL60558	Mycetozoa	Ddi	Ddi_EAL60558	Ddi_EAL60558
GT10	347	EAL60561	555	3.10E-60	32	337	115	440	0.878962536	Dictyostelium_discoideum	Mycetozoa	GT10_EAL60561	Mycetozoa	Ddi	Ddi_EAL60561	Ddi_EAL60561
GH25	177	EAL60595	216	8.10E-20	1	171	24	202	0.960451977	Dictyostelium_discoideum	Mycetozoa	GH25_EAL60595	Mycetozoa	Ddi	Ddi_EAL60595	Ddi_EAL60595
CBM49	78	EAL60631	286	0.00063	3	51	194	245	0.615384615	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL60631	Mycetozoa	Ddi	Ddi_EAL60631	Ddi_EAL60631
CBM50	40	EAL60634	457	0.00017	1	40	343	385	0.975	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL60634	Mycetozoa	Ddi	Ddi_EAL60634	Ddi_EAL60634
CBM50	40	EAL60660	79	0.00006	1	36	34	75	0.875	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL60660	Mycetozoa	Ddi	Ddi_EAL60660	Ddi_EAL60660
CBM50	40	EAL60661	79	0.000007	1	36	34	75	0.875	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL60661	Mycetozoa	Ddi	Ddi_EAL60661	Ddi_EAL60661
GH25	177	EAL60698	213	4.60E-17	1	174	23	201	0.97740113	Dictyostelium_discoideum	Mycetozoa	GH25_EAL60698	Mycetozoa	Ddi	Ddi_EAL60698	Ddi_EAL60698
GH18	296	EAL60735	274	7.30E-10	48	197	66	225	0.503378378	Dictyostelium_discoideum	Mycetozoa	GH18_EAL60735	Mycetozoa	Ddi	Ddi_EAL60735	Ddi_EAL60735
CE1	227	EAL60801	914	4.70E-11	26	143	364	499	0.515418502	Dictyostelium_discoideum	Mycetozoa	CE1_EAL60801	Mycetozoa	Ddi	Ddi_EAL60801	Ddi_EAL60801
CBM49	78	EAL60875	170	0.00000025	2	77	67	151	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL60875	Mycetozoa	Ddi	Ddi_EAL60875	Ddi_EAL60875
CE14	124	EAL60920	258	2.60E-14	1	124	20	132	0.991935484	Dictyostelium_discoideum	Mycetozoa	CE14_EAL60920	Mycetozoa	Ddi	Ddi_EAL60920	Ddi_EAL60920
GH3	216	EAL60954	821	8.40E-64	5	216	165	397	0.976851852	Dictyostelium_discoideum	Mycetozoa	GH3_EAL60954	Mycetozoa	Ddi	Ddi_EAL60954	Ddi_EAL60954
CBM8	143	EAL60973	972	2.60E-14	3	142	599	741	0.972027972	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL60973	Mycetozoa	Ddi	Ddi_EAL60973	Ddi_EAL60973
CE1	227	EAL60982	866	0.0000555	32	175	611	790	0.629955947	Dictyostelium_discoideum	Mycetozoa	CE1_EAL60982	Mycetozoa	Ddi	Ddi_EAL60982	Ddi_EAL60982
GH47	446	EAL61008	575	2.70E-128	2	445	132	570	0.993273543	Dictyostelium_discoideum	Mycetozoa	GH47_EAL61008	Mycetozoa	Ddi	Ddi_EAL61008	Ddi_EAL61008
CBM8	143	EAL61033	755	2.70E-13	31	142	422	537	0.776223776	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL61033	Mycetozoa	Ddi	Ddi_EAL61033	Ddi_EAL61033
CBM8	143	EAL61033	755	0.00024	94	142	667	716	0.335664336	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL61033	Mycetozoa	Ddi	Ddi_EAL61033	Ddi_EAL61033
CE1	227	EAL61061	365	0.000000025	22	140	99	208	0.519823789	Dictyostelium_discoideum	Mycetozoa	CE1_EAL61061	Mycetozoa	Ddi	Ddi_EAL61061	Ddi_EAL61061
CBM32	124	EAL61079	257	0.0000058	23	107	46	138	0.677419355	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL61079	Mycetozoa	Ddi	Ddi_EAL61079	Ddi_EAL61079
CBM49	78	EAL61120	164	5.80E-11	3	77	69	146	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61120	Mycetozoa	Ddi	Ddi_EAL61120	Ddi_EAL61120
GH116	363	EAL61202	1302	1.60E-137	1	363	887	1250	0.997245179	Dictyostelium_discoideum	Mycetozoa	GH116_EAL61202	Mycetozoa	Ddi	Ddi_EAL61202	Ddi_EAL61202
CE10	341	EAL61207	764	1.30E-27	84	313	515	745	0.671554252	Dictyostelium_discoideum	Mycetozoa	CE10_EAL61207	Mycetozoa	Ddi	Ddi_EAL61207	Ddi_EAL61207
CBM50	40	EAL61285	290	0.0000067	5	40	80	119	0.875	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL61285	Mycetozoa	Ddi	Ddi_EAL61285	Ddi_EAL61285
GH38	269	EAL61313	1010	1.90E-77	1	269	43	353	0.996282528	Dictyostelium_discoideum	Mycetozoa	GH38_EAL61313	Mycetozoa	Ddi	Ddi_EAL61313	Ddi_EAL61313
CBM49	78	EAL61320	122	0.0000047	21	77	40	102	0.717948718	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61320	Mycetozoa	Ddi	Ddi_EAL61320	Ddi_EAL61320
CBM49	78	EAL61321	121	6.60E-09	1	77	24	105	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61321	Mycetozoa	Ddi	Ddi_EAL61321	Ddi_EAL61321
CBM49	78	EAL61322	121	6.30E-10	1	77	24	105	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61322	Mycetozoa	Ddi	Ddi_EAL61322	Ddi_EAL61322
CE10	341	EAL61323	363	6.90E-33	70	289	66	296	0.642228739	Dictyostelium_discoideum	Mycetozoa	CE10_EAL61323	Mycetozoa	Ddi	Ddi_EAL61323	Ddi_EAL61323
GH89	663	EAL61355	798	2.20E-217	5	659	123	789	0.986425339	Dictyostelium_discoideum	Mycetozoa	GH89_EAL61355	Mycetozoa	Ddi	Ddi_EAL61355	Ddi_EAL61355
AA3	618	EAL61377	781	1.90E-53	85	409	218	745	0.524271845	Dictyostelium_discoideum	Mycetozoa	AA3_EAL61377	Mycetozoa	Ddi	Ddi_EAL61377	Ddi_EAL61377
CBM49	78	EAL61383	403	4.40E-09	8	76	40	115	0.871794872	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61383	Mycetozoa	Ddi	Ddi_EAL61383	Ddi_EAL61383
CBM49	78	EAL61383	403	0.000000034	6	77	162	239	0.91025641	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61383	Mycetozoa	Ddi	Ddi_EAL61383	Ddi_EAL61383
CBM49	78	EAL61383	403	0.000000028	7	77	310	386	0.897435897	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61383	Mycetozoa	Ddi	Ddi_EAL61383	Ddi_EAL61383
CBM49	78	EAL61398	166	0.0000002	2	62	65	127	0.769230769	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61398	Mycetozoa	Ddi	Ddi_EAL61398	Ddi_EAL61398
CBM49	78	EAL61401	168	7.50E-11	2	77	78	155	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61401	Mycetozoa	Ddi	Ddi_EAL61401	Ddi_EAL61401
CBM49	78	EAL61404	321	3.00E-10	2	77	231	308	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61404	Mycetozoa	Ddi	Ddi_EAL61404	Ddi_EAL61404
GT4	160	EAL61415	505	1.00E-30	7	160	299	464	0.95625	Dictyostelium_discoideum	Mycetozoa	GT4_EAL61415	Mycetozoa	Ddi	Ddi_EAL61415	Ddi_EAL61415
CBM49	78	EAL61458	1445	5.40E-19	1	78	1219	1296	0.987179487	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61458	Mycetozoa	Ddi	Ddi_EAL61458	Ddi_EAL61458
CBM49	78	EAL61458	1445	8.70E-14	2	78	1111	1187	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61458	Mycetozoa	Ddi	Ddi_EAL61458	Ddi_EAL61458
GT60	330	EAL61604	403	1.70E-93	1	329	63	385	0.993939394	Dictyostelium_discoideum	Mycetozoa	GT60_EAL61604	Mycetozoa	Ddi	Ddi_EAL61604	Ddi_EAL61604
CBM49	78	EAL61629	128	1.70E-11	1	77	27	111	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL61629	Mycetozoa	Ddi	Ddi_EAL61629	Ddi_EAL61629
CBM9	182	EAL61646	232	0.000000001	7	181	37	230	0.956043956	Dictyostelium_discoideum	Mycetozoa	CBM9_EAL61646	Mycetozoa	Ddi	Ddi_EAL61646	Ddi_EAL61646
CE10	341	EAL61656	526	1.10E-38	71	204	93	234	0.390029326	Dictyostelium_discoideum	Mycetozoa	CE10_EAL61656	Mycetozoa	Ddi	Ddi_EAL61656	Ddi_EAL61656
GH27	375	EAL61746	466	1.90E-29	125	347	152	348	0.592	Dictyostelium_discoideum	Mycetozoa	GH27_EAL61746	Mycetozoa	Ddi	Ddi_EAL61746	Ddi_EAL61746
CE10	341	EAL61844	337	1.90E-34	76	315	56	298	0.700879765	Dictyostelium_discoideum	Mycetozoa	CE10_EAL61844	Mycetozoa	Ddi	Ddi_EAL61844	Ddi_EAL61844
GT35	674	EAL61845	993	8.40E-278	1	674	198	908	0.998516321	Dictyostelium_discoideum	Mycetozoa	GT35_EAL61845	Mycetozoa	Ddi	Ddi_EAL61845	Ddi_EAL61845
GH22	122	EAL61852	185	3.10E-14	6	113	26	122	0.87704918	Dictyostelium_discoideum	Mycetozoa	GH22_EAL61852	Mycetozoa	Ddi	Ddi_EAL61852	Ddi_EAL61852
CE10	341	EAL61918	347	4.10E-35	68	315	48	298	0.724340176	Dictyostelium_discoideum	Mycetozoa	CE10_EAL61918	Mycetozoa	Ddi	Ddi_EAL61918	Ddi_EAL61918
GT20	475	EAL62218	899	1.50E-73	10	331	9	359	0.675789474	Dictyostelium_discoideum	Mycetozoa	GT20_EAL62218	Mycetozoa	Ddi	Ddi_EAL62218	Ddi_EAL62218
GT20	475	EAL62218	899	2.90E-40	330	473	415	568	0.301052632	Dictyostelium_discoideum	Mycetozoa	GT20_EAL62218	Mycetozoa</			

GT28	157	EAL62296	398	1.90E-11	49	146	77	175	0.617834395	Dictyostelium_discoideum	Mycetozoa	GT28_EAL62296	Mycetozoa	Ddi	Ddi_EAL62296	Ddi_EAL62296
GH35	307	EAL62330	671	4.90E-97	7	306	59	381	0.973941368	Dictyostelium_discoideum	Mycetozoa	GH35_EAL62330	Mycetozoa	Ddi	Ddi_EAL62330	Ddi_EAL62330
GT2	168	EAL62400	1338	7.00E-18	3	127	230	361	0.738095238	Dictyostelium_discoideum	Mycetozoa	GT2_EAL62400	Mycetozoa	Ddi	Ddi_EAL62400	Ddi_EAL62400
GT4	160	EAL62400	1338	2.50E-23	5	157	677	831	0.95	Dictyostelium_discoideum	Mycetozoa	GT4_EAL62400	Mycetozoa	Ddi	Ddi_EAL62400	Ddi_EAL62400
CBM20	90	EAL62403	1560	1.20E-16	3	86	889	978	0.922222222	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL62403	Mycetozoa	Ddi	Ddi_EAL62403	Ddi_EAL62403
GH5	275	EAL62489	770	7.30E-40	9	239	409	721	0.836363636	Dictyostelium_discoideum	Mycetozoa	GH5_EAL62489	Mycetozoa	Ddi	Ddi_EAL62489	Ddi_EAL62489
GT2	168	EAL62499	561	8.70E-21	1	127	130	268	0.75	Dictyostelium_discoideum	Mycetozoa	GT2_EAL62499	Mycetozoa	Ddi	Ddi_EAL62499	Ddi_EAL62499
CBM8	143	EAL62531	802	0.0000022	2	127	47	179	0.874125874	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL62531	Mycetozoa	Ddi	Ddi_EAL62531	Ddi_EAL62531
CE1	227	EAL62547	287	0.0000084	23	220	78	275	0.86784141	Dictyostelium_discoideum	Mycetozoa	CE1_EAL62547	Mycetozoa	Ddi	Ddi_EAL62547	Ddi_EAL62547
AA7	458	EAL62560	452	6.50E-69	3	458	36	447	0.993449782	Dictyostelium_discoideum	Mycetozoa	AA7_EAL62560	Mycetozoa	Ddi	Ddi_EAL62560	Ddi_EAL62560
CBM49	78	EAL62768	123	6.60E-13	5	75	30	105	0.897435897	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL62768	Mycetozoa	Ddi	Ddi_EAL62768	Ddi_EAL62768
GT50	262	EAL62973	442	4.10E-88	1	262	149	427	0.996183206	Dictyostelium_discoideum	Mycetozoa	GT50_EAL62973	Mycetozoa	Ddi	Ddi_EAL62973	Ddi_EAL62973
GT1	382	EAL63104	1697	9.90E-71	2	380	1169	1608	0.989528796	Dictyostelium_discoideum	Mycetozoa	GT1_EAL63104	Mycetozoa	Ddi	Ddi_EAL63104	Ddi_EAL63104
CE10	341	EAL63119	700	1.10E-21	93	316	445	668	0.653958944	Dictyostelium_discoideum	Mycetozoa	CE10_EAL63119	Mycetozoa	Ddi	Ddi_EAL63119	Ddi_EAL63119
CBM32	124	EAL63172	2041	7.20E-11	8	78	998	1073	0.564516129	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL63172	Mycetozoa	Ddi	Ddi_EAL63172	Ddi_EAL63172
GT13	395	EAL63203	498	5.20E-96	16	391	98	495	0.949367089	Dictyostelium_discoideum	Mycetozoa	GT13_EAL63203	Mycetozoa	Ddi	Ddi_EAL63203	Ddi_EAL63203
GT2	168	EAL63257	327	5.70E-31	1	164	77	253	0.970238095	Dictyostelium_discoideum	Mycetozoa	GT2_EAL63257	Mycetozoa	Ddi	Ddi_EAL63257	Ddi_EAL63257
GH39	431	EAL63287	490	7.00E-124	5	431	41	444	0.988399072	Dictyostelium_discoideum	Mycetozoa	GH39_EAL63287	Mycetozoa	Ddi	Ddi_EAL63287	Ddi_EAL63287
CBM49	78	EAL63556	165	3.50E-11	6	77	72	149	0.91025641	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL63556	Mycetozoa	Ddi	Ddi_EAL63556	Ddi_EAL63556
CBM49	78	EAL63557	165	1.30E-11	6	77	72	149	0.91025641	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL63557	Mycetozoa	Ddi	Ddi_EAL63557	Ddi_EAL63557
GH20	337	EAL63607	560	2.30E-80	6	336	176	516	0.979228487	Dictyostelium_discoideum	Mycetozoa	GH20_EAL63607	Mycetozoa	Ddi	Ddi_EAL63607	Ddi_EAL63607
CE10	341	EAL63613	337	2.40E-34	81	315	63	298	0.686217009	Dictyostelium_discoideum	Mycetozoa	CE10_EAL63613	Mycetozoa	Ddi	Ddi_EAL63613	Ddi_EAL63613
CE2	209	EAL63632	421	5.50E-51	1	208	214	414	0.990430622	Dictyostelium_discoideum	Mycetozoa	CE2_EAL63632	Mycetozoa	Ddi	Ddi_EAL63632	Ddi_EAL63632
GT20	475	EAL63637	733	1.10E-198	9	475	12	474	0.981052632	Dictyostelium_discoideum	Mycetozoa	GT20_EAL63637	Mycetozoa	Ddi	Ddi_EAL63637	Ddi_EAL63637
GH20	337	EAL63638	564	4.50E-79	5	334	187	517	0.976261128	Dictyostelium_discoideum	Mycetozoa	GH20_EAL63638	Mycetozoa	Ddi	Ddi_EAL63638	Ddi_EAL63638
AA9	220	EAL63664	431	0.00000055	69	193	92	208	0.563636364	Dictyostelium_discoideum	Mycetozoa	AA9_EAL63664	Mycetozoa	Ddi	Ddi_EAL63664	Ddi_EAL63664
GH133	372	EAL63684	1608	5.30E-126	8	371	1142	1597	0.975806452	Dictyostelium_discoideum	Mycetozoa	GH133_EAL63684	Mycetozoa	Ddi	Ddi_EAL63684	Ddi_EAL63684
GH38	269	EAL63688	1087	4.60E-86	2	256	257	510	0.944237918	Dictyostelium_discoideum	Mycetozoa	GH38_EAL63688	Mycetozoa	Ddi	Ddi_EAL63688	Ddi_EAL63688
GH18	296	EAL63697	422	1.20E-15	48	279	78	390	0.780405405	Dictyostelium_discoideum	Mycetozoa	GH18_EAL63697	Mycetozoa	Ddi	Ddi_EAL63697	Ddi_EAL63697
GH18	296	EAL63698	451	7.80E-22	3	279	84	422	0.932432432	Dictyostelium_discoideum	Mycetozoa	GH18_EAL63698	Mycetozoa	Ddi	Ddi_EAL63698	Ddi_EAL63698
GH109	126	EAL63729	430	9.50E-12	1	115	18	127	0.904761905	Dictyostelium_discoideum	Mycetozoa	GH109_EAL63729	Mycetozoa	Ddi	Ddi_EAL63729	Ddi_EAL63729
CBM8	143	EAL63750	1099	0.00000028	43	142	985	1093	0.692307692	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL63750	Mycetozoa	Ddi	Ddi_EAL63750	Ddi_EAL63750
GH38	269	EAL63817	994	1.20E-64	1	269	27	331	0.996282528	Dictyostelium_discoideum	Mycetozoa	GH38_EAL63817	Mycetozoa	Ddi	Ddi_EAL63817	Ddi_EAL63817
GH20	337	EAL63881	532	4.80E-92	8	337	150	471	0.976261128	Dictyostelium_discoideum	Mycetozoa	GH20_EAL63881	Mycetozoa	Ddi	Ddi_EAL63881	Ddi_EAL63881
GH65	372	EAL63919	713	6.50E-95	3	371	285	629	0.989247312	Dictyostelium_discoideum	Mycetozoa	GH65_EAL63919	Mycetozoa	Ddi	Ddi_EAL63919	Ddi_EAL63919
CE10	341	EAL63960	329	7.20E-47	78	335	64	318	0.753665689	Dictyostelium_discoideum	Mycetozoa	CE10_EAL63960	Mycetozoa	Ddi	Ddi_EAL63960	Ddi_EAL63960
GT8	257	EAL63970	371	3.60E-36	5	254	66	322	0.968871595	Dictyostelium_discoideum	Mycetozoa	GT8_EAL63970	Mycetozoa	Ddi	Ddi_EAL63970	Ddi_EAL63970
GT10	347	EAL64002	665	2.50E-65	51	336	51	356	0.821325648	Dictyostelium_discoideum	Mycetozoa	GT10_EAL64002	Mycetozoa	Ddi	Ddi_EAL64002	Ddi_EAL64002
CBM49	78	EAL64079	273	7.10E-15	10	77	187	257	0.858974359	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL64079	Mycetozoa	Ddi	Ddi_EAL64079	Ddi_EAL64079
CBM49	78	EAL64080	288	3.20E-13	6	77	198	272	0.91025641	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL64080	Mycetozoa	Ddi	Ddi_EAL64080	Ddi_EAL64080
CBM49	78	EAL64087	276	5.80E-13	8	77	188	260	0.884615385	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL64087	Mycetozoa	Ddi	Ddi_EAL64087	Ddi_EAL64087
GT2	168	EAL64186	254	5.60E-42	2	168	22	191	0.988095238	Dictyostelium_discoideum	Mycetozoa	GT2_EAL64186	Mycetozoa	Ddi	Ddi_EAL64186	Ddi_EAL64186
CE14	124	EAL64273	724	1.50E-09	2	114	442	600	0.903225807	Dictyostelium_discoideum	Mycetozoa	CE14_EAL64273	Mycetozoa	Ddi	Ddi_EAL64273	Ddi_EAL64273
CE1	227	EAL64295	359	0.0000013	29	143	37	161	0.502202643	Dictyostelium_discoideum	Mycetozoa	CE1_EAL64295	Mycetozoa	Ddi	Ddi_EAL64295	Ddi_EAL64295
GH9	418	EAL64314	571	4.90E-102	5	417	28	421	0.985645933	Dictyostelium_discoideum	Mycetozoa	GH9_EAL64314	Mycetozoa	Ddi	Ddi_EAL64314	Ddi_EAL64314
GH9	418	EAL64336	557	1.60E-116	5	418	29	453	0.988038278	Dictyostelium_discoideum	Mycetozoa	GH9_EAL64336	Mycetozoa	Ddi	Ddi_EAL64336	Ddi_EAL64336
GT33	425	EAL64384	493	3.30E-161	2	420	2	457	0.983529412	Dictyostelium_discoideum	Mycetozoa	GT33_EAL64384	Mycetozoa	Ddi	Ddi_EAL64384	Ddi_EAL64384
CBM8	143	EAL64391	550	1.10E-22	3	142	362	504	0.972027972	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL64391	Mycetozoa	Ddi	Ddi_EAL64391	Ddi_EAL64391
GH5	275	EAL64391	550	2.70E-34	2	231	35	316	0.832727273	Dictyostelium_discoideum	Mycetozoa	GH5_EAL64391	Mycetozoa	Ddi	Ddi_EAL64391	Ddi_EAL64391
CBM8	143	EAL64409	542	2.20E-19	3	142	366	506	0.972027972	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL64409	Mycetozoa	Ddi	Ddi_EAL64409	Ddi_EAL64409
GH5	275	EAL64409	542	1.20E-36	2	231	35	318	0.832727273	Dictyostelium_discoideum	Mycetozoa	GH5_EAL64409	Mycetozoa	Ddi	Ddi_EAL64409	Ddi_EAL64409
GH13	299	EAL64418	517	1.10E-26	23	293	66	388	0.903010033	Dictyostelium_discoideum	Mycetozoa	GH13_EAL64418	Mycetozoa	Ddi	Ddi_EAL64418	Ddi_EAL64418
CE10	341	EAL64547	550	1.50E-36	74	208	106	261	0.392961877	Dictyostelium_discoideum	Mycetozoa	CE10_EAL64547	Mycetozoa	Ddi	Ddi_EAL64547	Ddi_EAL64547
AA7	458	EAL64605	497	4.70E-45	38	189	87	239	0.329694323	Dictyostelium_discoideum	Mycetozoa	AA7_EAL64605	Mycetozoa	Ddi	Ddi_EAL64605	Ddi_EAL64605
CE10	341	EAL64615	565	6.00E-34	73	203	108	245	0.381231672	Dictyostelium_discoideum	Mycetozoa	CE10_EAL64615	Mycetozoa	Ddi	Ddi_EAL64615	Ddi_EAL64615
CE1	227	EAL64633	255	4.40E-11	9	213	17	231	0.898678414	Dictyostelium_discoideum	Mycetozoa	CE1_EAL64633	Mycetozoa	Ddi	Ddi_EAL64633	Ddi_EAL64633
GH35	307	EAL64656	761	1.70E-100	1	304	47	350	0.986970684	Dictyostelium_discoideum	Mycetozoa	GH35_EAL64656	Mycetozoa	Ddi	Ddi_EAL64656	Ddi_EAL64656
GH20	337	EAL64661	695	8.20E-69	9	334	253	638	0.964391691	Dictyostelium_discoideum	Mycetozoa	GH20_EAL64661	Mycetozoa	Ddi	Ddi_EAL64661	Ddi_EAL64661
GT41	705	EAL64795	864	7.80E-116	72	530	287	856	0.64964539	Dictyostelium_discoideum	Mycetozoa	GT41_EAL64795	Mycetozoa	Ddi	Ddi_EAL64795	Ddi_EAL64795
GT66	693	EAL64892	714	1.30E-180	9	600	42	663	0.852813853	Dictyostelium_discoideum	Mycetozoa	GT66_EAL64892	Mycetozoa	Ddi	Ddi_EAL64892	Ddi_EAL64892
GT20	475	EAL64951	790	6.50E-158	45	474	83	521	0.903157895	Dictyostelium_discoideum	Mycetozoa	GT20_EAL64951	Mycetozoa	Ddi	Ddi_EAL64951	Ddi_EAL64951
GT10	347	EAL65040	777	7.30E-74	27	343	350	687	0.910662824	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65040	Mycetozoa	Ddi	Ddi_EAL65040	Ddi_EAL65040
CBM13	188	EAL65047	577	0.00000013	14	148	33	168	0.712765957	Dictyostelium_discoideum	Mycetozoa	CBM13_EAL65047	Mycetozoa	Ddi	Ddi_EAL65047	Ddi_EAL65047
CBM63	78	EAL65108	407	3.40E-09	7	69	150	213	0.794871795	Dictyostelium_discoideum	Mycetozoa	CBM63_EAL65108	Mycetozoa	Ddi	Ddi_EAL65108	Ddi_EAL65108
GT49	337	EAL65152	640	3.00E-61	56	331	346	616	0.816023739	Dictyostelium_discoideum	Mycetozoa	GT49_EAL65152	Mycetozoa	Ddi	Ddi_EAL65152	Ddi_EAL65152
GT10	347	EAL65160	389	1.20E-76	46	334	51	366	0.829971182	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65160	Mycetozoa	Ddi	Ddi_EAL65160	Ddi_EAL65160
GT10	347	EAL65178	463	1.40E-53	92	315	160	406	0.642651297	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65178	Mycetozoa	Ddi	Ddi_EAL65178	Ddi_EAL65178
GT10	347	EAL65179	462	1.60E-54	99	315	165	405	0.622478386	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65179	Mycetozoa	Ddi	Ddi_EAL65179	Ddi_EAL65179
GT10	347	EAL65202	465	1.40E-52	94	315	153	404	0.636887608	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65202	Mycetozoa	Ddi	Ddi_EAL65202	Ddi_EAL65202
CE1	227	EAL65228	340	0.0000047	94	178	33	136	0.370044053	Dictyostelium_discoideum	Mycetozoa	CE1_EAL65228	Mycetozoa	Ddi	Ddi_EAL65228	Ddi_EAL65228

GH47	446	EAL65245	510	9.40E-116	1	414	100	510	0.926008969	Dictyostelium_discoideum	Mycetozoa	GH47_EAL65245	Mycetozoa	Ddi	Ddi_EAL65245	Ddi_EAL65245
GH47	446	EAL65246	537	1.30E-132	1	444	92	532	0.993273543	Dictyostelium_discoideum	Mycetozoa	GH47_EAL65246	Mycetozoa	Ddi	Ddi_EAL65246	Ddi_EAL65246
GT22	389	EAL65266	547	5.90E-107	2	389	17	446	0.994858612	Dictyostelium_discoideum	Mycetozoa	GT22_EAL65266	Mycetozoa	Ddi	Ddi_EAL65266	Ddi_EAL65266
GH9	418	EAL65308	676	9.30E-116	5	417	33	451	0.985645933	Dictyostelium_discoideum	Mycetozoa	GH9_EAL65308	Mycetozoa	Ddi	Ddi_EAL65308	Ddi_EAL65308
CBM20	90	EAL65318	907	1.40E-22	3	84	5	86	0.9	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL65318	Mycetozoa	Ddi	Ddi_EAL65318	Ddi_EAL65318
CBM20	90	EAL65318	907	1.90E-21	2	87	141	228	0.944444444	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL65318	Mycetozoa	Ddi	Ddi_EAL65318	Ddi_EAL65318
GH77	494	EAL65318	907	2.90E-151	1	489	262	899	0.987854251	Dictyostelium_discoideum	Mycetozoa	GH77_EAL65318	Mycetozoa	Ddi	Ddi_EAL65318	Ddi_EAL65318
GH9	418	EAL65336	480	8.80E-121	1	418	49	474	0.997607656	Dictyostelium_discoideum	Mycetozoa	GH9_EAL65336	Mycetozoa	Ddi	Ddi_EAL65336	Ddi_EAL65336
CBM49	78	EAL65340	140	0.000000033	3	77	40	124	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL65340	Mycetozoa	Ddi	Ddi_EAL65340	Ddi_EAL65340
GT2	168	EAL65394	1065	3.60E-19	1	112	247	362	0.660714286	Dictyostelium_discoideum	Mycetozoa	GT2_EAL65394	Mycetozoa	Ddi	Ddi_EAL65394	Ddi_EAL65394
GT4	160	EAL65394	160	1.90E-18	33	138	821	925	0.65625	Dictyostelium_discoideum	Mycetozoa	GT4_EAL65394	Mycetozoa	Ddi	Ddi_EAL65394	Ddi_EAL65394
GT4	160	EAL65470	523	4.50E-33	6	149	280	421	0.89375	Dictyostelium_discoideum	Mycetozoa	GT4_EAL65470	Mycetozoa	Ddi	Ddi_EAL65470	Ddi_EAL65470
CE1	227	EAL65482	897	0.000000078	6	140	336	474	0.59030837	Dictyostelium_discoideum	Mycetozoa	CE1_EAL65482	Mycetozoa	Ddi	Ddi_EAL65482	Ddi_EAL65482
GT2	168	EAL65495	769	2.40E-26	11	139	29	179	0.761904762	Dictyostelium_discoideum	Mycetozoa	GT2_EAL65495	Mycetozoa	Ddi	Ddi_EAL65495	Ddi_EAL65495
GT74	280	EAL65495	769	5.30E-121	2	280	470	761	0.992857143	Dictyostelium_discoideum	Mycetozoa	GT74_EAL65495	Mycetozoa	Ddi	Ddi_EAL65495	Ddi_EAL65495
CE1	227	EAL65514	365	0.00000018	102	193	149	246	0.400881057	Dictyostelium_discoideum	Mycetozoa	CE1_EAL65514	Mycetozoa	Ddi	Ddi_EAL65514	Ddi_EAL65514
CE10	341	EAL65524	507	4.50E-60	72	312	230	482	0.703812317	Dictyostelium_discoideum	Mycetozoa	CE10_EAL65524	Mycetozoa	Ddi	Ddi_EAL65524	Ddi_EAL65524
GT57	481	EAL65535	518	6.00E-141	2	480	26	503	0.993762994	Dictyostelium_discoideum	Mycetozoa	GT57_EAL65535	Mycetozoa	Ddi	Ddi_EAL65535	Ddi_EAL65535
AA6	195	EAL65591	199	0.000000037	21	103	35	117	0.420512821	Dictyostelium_discoideum	Mycetozoa	AA6_EAL65591	Mycetozoa	Ddi	Ddi_EAL65591	Ddi_EAL65591
CE10	341	EAL65691	303	7.70E-22	79	243	19	208	0.480938416	Dictyostelium_discoideum	Mycetozoa	CE10_EAL65691	Mycetozoa	Ddi	Ddi_EAL65691	Ddi_EAL65691
GH37	491	EAL65721	594	6.40E-156	2	491	69	585	0.99592668	Dictyostelium_discoideum	Mycetozoa	GH37_EAL65721	Mycetozoa	Ddi	Ddi_EAL65721	Ddi_EAL65721
GT10	347	EAL65784	494	1.20E-55	84	333	171	467	0.717579251	Dictyostelium_discoideum	Mycetozoa	GT10_EAL65784	Mycetozoa	Ddi	Ddi_EAL65784	Ddi_EAL65784
AA7	458	EAL65792	467	5.30E-58	4	454	47	465	0.982532751	Dictyostelium_discoideum	Mycetozoa	AA7_EAL65792	Mycetozoa	Ddi	Ddi_EAL65792	Ddi_EAL65792
CE10	341	EAL65872	535	1.80E-38	33	188	65	226	0.454545455	Dictyostelium_discoideum	Mycetozoa	CE10_EAL65872	Mycetozoa	Ddi	Ddi_EAL65872	Ddi_EAL65872
CE10	341	EAL65873	545	3.30E-34	75	208	114	256	0.390029326	Dictyostelium_discoideum	Mycetozoa	CE10_EAL65873	Mycetozoa	Ddi	Ddi_EAL65873	Ddi_EAL65873
GT77	216	EAL65946	648	2.80E-48	4	216	42	282	0.981481482	Dictyostelium_discoideum	Mycetozoa	GT77_EAL65946	Mycetozoa	Ddi	Ddi_EAL65946	Ddi_EAL65946
CE1	227	EAL65962	285	7.10E-40	1	224	24	280	0.982378855	Dictyostelium_discoideum	Mycetozoa	CE1_EAL65962	Mycetozoa	Ddi	Ddi_EAL65962	Ddi_EAL65962
GH9	418	EAL65982	601	1.40E-83	1	417	26	465	0.995215311	Dictyostelium_discoideum	Mycetozoa	GH9_EAL65982	Mycetozoa	Ddi	Ddi_EAL65982	Ddi_EAL65982
GH84	295	EAL66045	358	1.80E-17	4	232	41	257	0.772881356	Dictyostelium_discoideum	Mycetozoa	GH84_EAL66045	Mycetozoa	Ddi	Ddi_EAL66045	Ddi_EAL66045
CBM20	90	EAL66091	778	2.10E-12	1	56	5	60	0.611111111	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL66091	Mycetozoa	Ddi	Ddi_EAL66091	Ddi_EAL66091
CBM20	90	EAL66091	778	0.0000021	30	85	398	457	0.611111111	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL66091	Mycetozoa	Ddi	Ddi_EAL66091	Ddi_EAL66091
GT49	337	EAL66094	635	1.20E-31	178	316	455	599	0.409495549	Dictyostelium_discoideum	Mycetozoa	GT49_EAL66094	Mycetozoa	Ddi	Ddi_EAL66094	Ddi_EAL66094
GT49	337	EAL66094	635	3.00E-20	46	169	100	220	0.364985163	Dictyostelium_discoideum	Mycetozoa	GT49_EAL66094	Mycetozoa	Ddi	Ddi_EAL66094	Ddi_EAL66094
GH20	337	EAL66129	541	1.40E-90	9	336	159	478	0.97032641	Dictyostelium_discoideum	Mycetozoa	GH20_EAL66129	Mycetozoa	Ddi	Ddi_EAL66129	Ddi_EAL66129
CBM49	78	EAL66154	224	0.00000017	8	78	134	208	0.897435897	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66154	Mycetozoa	Ddi	Ddi_EAL66154	Ddi_EAL66154
GH13	299	EAL66217	770	4.20E-72	12	290	80	432	0.929765886	Dictyostelium_discoideum	Mycetozoa	GH13_EAL66217	Mycetozoa	Ddi	Ddi_EAL66217	Ddi_EAL66217
CBM53	87	EAL66286	320	0.00052	23	75	221	278	0.597701149	Dictyostelium_discoideum	Mycetozoa	CBM53_EAL66286	Mycetozoa	Ddi	Ddi_EAL66286	Ddi_EAL66286
CBM49	78	EAL66333	383	1.80E-17	3	78	294	369	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66333	Mycetozoa	Ddi	Ddi_EAL66333	Ddi_EAL66333
CE1	227	EAL66424	226	0.000000078	27	175	20	173	0.651982379	Dictyostelium_discoideum	Mycetozoa	CE1_EAL66424	Mycetozoa	Ddi	Ddi_EAL66424	Ddi_EAL66424
GH13	299	EAL66535	470	8.70E-60	13	297	59	353	0.949832776	Dictyostelium_discoideum	Mycetozoa	GH13_EAL66535	Mycetozoa	Ddi	Ddi_EAL66535	Ddi_EAL66535
GH128	224	EAL66566	310	4.30E-52	8	224	43	260	0.964285714	Dictyostelium_discoideum	Mycetozoa	GH128_EAL66566	Mycetozoa	Ddi	Ddi_EAL66566	Ddi_EAL66566
GT35	674	EAL66673	853	5.70E-284	1	674	128	841	0.998516321	Dictyostelium_discoideum	Mycetozoa	GT35_EAL66673	Mycetozoa	Ddi	Ddi_EAL66673	Ddi_EAL66673
AA7	458	EAL66681	504	3.40E-61	9	458	42	499	0.980349345	Dictyostelium_discoideum	Mycetozoa	AA7_EAL66681	Mycetozoa	Ddi	Ddi_EAL66681	Ddi_EAL66681
CE10	341	EAL66689	803	4.10E-12	93	315	561	787	0.651026393	Dictyostelium_discoideum	Mycetozoa	CE10_EAL66689	Mycetozoa	Ddi	Ddi_EAL66689	Ddi_EAL66689
GH130	296	EAL66729	420	5.30E-34	38	289	110	418	0.847972973	Dictyostelium_discoideum	Mycetozoa	GH130_EAL66729	Mycetozoa	Ddi	Ddi_EAL66729	Ddi_EAL66729
CBM49	78	EAL66835	662	7.90E-20	1	78	244	321	0.987179487	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66835	Mycetozoa	Ddi	Ddi_EAL66835	Ddi_EAL66835
CBM49	78	EAL66835	662	6.40E-19	3	78	355	430	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66835	Mycetozoa	Ddi	Ddi_EAL66835	Ddi_EAL66835
CBM49	78	EAL66836	664	2.00E-19	1	78	243	320	0.987179487	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66836	Mycetozoa	Ddi	Ddi_EAL66836	Ddi_EAL66836
CBM49	78	EAL66836	664	3.40E-19	3	78	354	429	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66836	Mycetozoa	Ddi	Ddi_EAL66836	Ddi_EAL66836
CBM48	76	EAL66841	347	0.00000025	1	70	143	223	0.907894737	Dictyostelium_discoideum	Mycetozoa	CBM48_EAL66841	Mycetozoa	Ddi	Ddi_EAL66841	Ddi_EAL66841
CBM49	78	EAL66913	149	7.00E-15	1	77	53	132	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66913	Mycetozoa	Ddi	Ddi_EAL66913	Ddi_EAL66913
CBM49	78	EAL66946	337	1.50E-20	3	78	225	299	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66946	Mycetozoa	Ddi	Ddi_EAL66946	Ddi_EAL66946
CBM49	78	EAL66946	337	0.000000065	41	78	152	191	0.474358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL66946	Mycetozoa	Ddi	Ddi_EAL66946	Ddi_EAL66946
GH39	431	EAL66953	575	2.00E-16	66	358	79	363	0.6774942	Dictyostelium_discoideum	Mycetozoa	GH39_EAL66953	Mycetozoa	Ddi	Ddi_EAL66953	Ddi_EAL66953
GT76	407	EAL66987	626	1.10E-96	1	407	18	626	0.997542998	Dictyostelium_discoideum	Mycetozoa	GT76_EAL66987	Mycetozoa	Ddi	Ddi_EAL66987	Ddi_EAL66987
GT23	318	EAL67087	603	1.10E-22	9	303	265	598	0.924528302	Dictyostelium_discoideum	Mycetozoa	GT23_EAL67087	Mycetozoa	Ddi	Ddi_EAL67087	Ddi_EAL67087
CBM50	40	EAL67185	1110	0.00000016	3	39	112	151	0.9	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL67185	Mycetozoa	Ddi	Ddi_EAL67185	Ddi_EAL67185
GH63	570	EAL67299	868	2.60E-20	244	566	567	865	0.564912281	Dictyostelium_discoideum	Mycetozoa	GH63_EAL67299	Mycetozoa	Ddi	Ddi_EAL67299	Ddi_EAL67299
CE1	227	EAL67306	908	0.000000002	15	194	333	530	0.788546256	Dictyostelium_discoideum	Mycetozoa	CE1_EAL67306	Mycetozoa	Ddi	Ddi_EAL67306	Ddi_EAL67306
CBM49	78	EAL67349	157	9.90E-09	3	77	56	141	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL67349	Mycetozoa	Ddi	Ddi_EAL67349	Ddi_EAL67349
GH16	189	EAL67358	274	7.40E-51	3	189	53	271	0.984126984	Dictyostelium_discoideum	Mycetozoa	GH16_EAL67358	Mycetozoa	Ddi	Ddi_EAL67358	Ddi_EAL67358
CBM49	78	EAL67363	157	0.000000048	3	77	56	141	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL67363	Mycetozoa	Ddi	Ddi_EAL67363	Ddi_EAL67363
CBM49	78	EAL67364	157	0.000000013	3	77	56	141	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL67364	Mycetozoa	Ddi	Ddi_EAL67364	Ddi_EAL67364
CBM49	78	EAL67365	157	0.000000048	3	77	56	141	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL67365	Mycetozoa	Ddi	Ddi_EAL67365	Ddi_EAL67365
GH63	570	EAL67442	880	7.70E-18	364	568	435	878	0.357894737	Dictyostelium_discoideum	Mycetozoa	GH63_EAL67442	Mycetozoa	Ddi	Ddi_EAL67442	Ddi_EAL67442
GH9	418	EAL67469	840	1.10E-73	2	418	27	479	0.995215311	Dictyostelium_discoideum	Mycetozoa	GH9_EAL67469	Mycetozoa	Ddi	Ddi_EAL67469	Ddi_EAL67469
GT58	364	EAL67526	1223	4.50E-55	41	357	851	1171	0.868131868	Dictyostelium_discoideum	Mycetozoa	GT58_EAL67526	Mycetozoa	Ddi	Ddi_EAL67526	Ddi_EAL67526
CBM8	143	EAL67596	779	3.60E-10	34	142	444	556	0.755244755	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL67596	Mycetozoa	Ddi	Ddi_EAL67596	Ddi_EAL67596
CE10	341	EAL67633	533	4.70E-37	66	193	93	235	0.372434018	Dictyostelium_discoideum	Mycetozoa	CE10_EAL67633	Mycetozoa	Ddi	Ddi_EAL67633	Ddi_EAL67633
CBM8	143	EAL67638	713	3.60E-12	2	142	340	486	0.979020979	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL67638	Mycetozoa	Ddi	Ddi_EAL67638</	

CBM50	40	EAL67869	380	0.00071	5	24	353	371	0.475	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL67869	Mycetozoa	Ddi	Ddi_EAL67869	Ddi_EAL67869
GT2	168	EAL67967	2233	3.60E-20	2	123	551	674	0.720238095	Dictyostelium_discoideum	Mycetozoa	GT2_EAL67967	Mycetozoa	Ddi	Ddi_EAL67967	Ddi_EAL67967
GT4	160	EAL67967	2233	0.00000049	11	152	336	497	0.88125	Dictyostelium_discoideum	Mycetozoa	GT4_EAL67967	Mycetozoa	Ddi	Ddi_EAL67967	Ddi_EAL67967
GH18	296	EAL68208	319	0.000000001	22	288	28	291	0.898648649	Dictyostelium_discoideum	Mycetozoa	GH18_EAL68208	Mycetozoa	Ddi	Ddi_EAL68208	Ddi_EAL68208
GH38	269	EAL68302	1035	8.30E-64	1	255	39	351	0.944237918	Dictyostelium_discoideum	Mycetozoa	GH38_EAL68302	Mycetozoa	Ddi	Ddi_EAL68302	Ddi_EAL68302
CBM49	78	EAL68372	150	1.60E-10	1	77	54	132	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68372	Mycetozoa	Ddi	Ddi_EAL68372	Ddi_EAL68372
CE1	227	EAL68380	314	0.00000011	26	134	53	151	0.475770925	Dictyostelium_discoideum	Mycetozoa	CE1_EAL68380	Mycetozoa	Ddi	Ddi_EAL68380	Ddi_EAL68380
CBM49	78	EAL68383	144	0.000000015	3	78	51	128	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68383	Mycetozoa	Ddi	Ddi_EAL68383	Ddi_EAL68383
CBM49	78	EAL68384	146	0.00000011	3	77	52	128	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68384	Mycetozoa	Ddi	Ddi_EAL68384	Ddi_EAL68384
CBM49	78	EAL68391	146	0.00000017	1	77	50	128	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68391	Mycetozoa	Ddi	Ddi_EAL68391	Ddi_EAL68391
CBM49	78	EAL68392	146	0.000000074	3	77	52	128	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68392	Mycetozoa	Ddi	Ddi_EAL68392	Ddi_EAL68392
GT23	318	EAL68409	664	5.80E-14	137	306	454	647	0.531446541	Dictyostelium_discoideum	Mycetozoa	GT23_EAL68409	Mycetozoa	Ddi	Ddi_EAL68409	Ddi_EAL68409
CBM49	78	EAL68432	201	0.000000037	12	77	111	184	0.833333333	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68432	Mycetozoa	Ddi	Ddi_EAL68432	Ddi_EAL68432
CBM49	78	EAL68441	180	0.000000018	13	77	92	164	0.820512821	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68441	Mycetozoa	Ddi	Ddi_EAL68441	Ddi_EAL68441
CBM49	78	EAL68449	148	0.000019	2	52	50	101	0.641025641	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68449	Mycetozoa	Ddi	Ddi_EAL68449	Ddi_EAL68449
CBM49	78	EAL68451	153	0.000000085	3	75	56	135	0.923076923	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68451	Mycetozoa	Ddi	Ddi_EAL68451	Ddi_EAL68451
CBM49	78	EAL68452	144	0.000015	2	42	50	90	0.512820513	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68452	Mycetozoa	Ddi	Ddi_EAL68452	Ddi_EAL68452
GH22	122	EAL68454	199	7.10E-09	6	113	28	123	0.87704918	Dictyostelium_discoideum	Mycetozoa	GH22_EAL68454	Mycetozoa	Ddi	Ddi_EAL68454	Ddi_EAL68454
CBM49	78	EAL68455	153	0.000000085	3	75	56	135	0.923076923	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68455	Mycetozoa	Ddi	Ddi_EAL68455	Ddi_EAL68455
GH38	269	EAL68499	1222	4.50E-62	2	255	64	342	0.940520446	Dictyostelium_discoideum	Mycetozoa	GH38_EAL68499	Mycetozoa	Ddi	Ddi_EAL68499	Ddi_EAL68499
CBM49	78	EAL68526	153	0.000000085	3	75	56	135	0.923076923	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68526	Mycetozoa	Ddi	Ddi_EAL68526	Ddi_EAL68526
CBM49	78	EAL68552	375	0.000000019	10	77	228	300	0.858974359	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68552	Mycetozoa	Ddi	Ddi_EAL68552	Ddi_EAL68552
CBM8	143	EAL68552	375	1.90E-57	1	142	34	189	0.986013986	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL68552	Mycetozoa	Ddi	Ddi_EAL68552	Ddi_EAL68552
GT59	404	EAL68582	485	1.70E-104	5	404	38	464	0.987623762	Dictyostelium_discoideum	Mycetozoa	GT59_EAL68582	Mycetozoa	Ddi	Ddi_EAL68582	Ddi_EAL68582
CBM49	78	EAL68781	160	3.50E-09	8	77	67	144	0.884615385	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68781	Mycetozoa	Ddi	Ddi_EAL68781	Ddi_EAL68781
AA10	178	EAL68786	238	7.80E-38	1	177	23	234	0.988764045	Dictyostelium_discoideum	Mycetozoa	AA10_EAL68786	Mycetozoa	Ddi	Ddi_EAL68786	Ddi_EAL68786
CBM49	78	EAL68864	299	1.80E-10	2	77	209	286	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL68864	Mycetozoa	Ddi	Ddi_EAL68864	Ddi_EAL68864
GH18	296	EAL68899	373	1.10E-33	32	279	57	351	0.83445946	Dictyostelium_discoideum	Mycetozoa	GH18_EAL68899	Mycetozoa	Ddi	Ddi_EAL68899	Ddi_EAL68899
CBM50	40	EAL68900	1405	0.00000095	1	39	736	779	0.95	Dictyostelium_discoideum	Mycetozoa	CBM50_EAL68900	Mycetozoa	Ddi	Ddi_EAL68900	Ddi_EAL68900
CBM63	78	EAL68970	238	8.50E-20	3	76	149	222	0.935897436	Dictyostelium_discoideum	Mycetozoa	CBM63_EAL68970	Mycetozoa	Ddi	Ddi_EAL68970	Ddi_EAL68970
CE10	341	EAL68986	535	2.00E-38	35	188	67	226	0.448680352	Dictyostelium_discoideum	Mycetozoa	CE10_EAL68986	Mycetozoa	Ddi	Ddi_EAL68986	Ddi_EAL68986
GH15	361	EAL69024	633	1.10E-64	2	360	253	618	0.991689751	Dictyostelium_discoideum	Mycetozoa	GH15_EAL69024	Mycetozoa	Ddi	Ddi_EAL69024	Ddi_EAL69024
GH47	446	EAL69027	632	6.70E-135	1	445	1	435	0.995515695	Dictyostelium_discoideum	Mycetozoa	GH47_EAL69027	Mycetozoa	Ddi	Ddi_EAL69027	Ddi_EAL69027
GH29	346	EAL69088	458	6.80E-100	20	346	16	362	0.942196532	Dictyostelium_discoideum	Mycetozoa	GH29_EAL69088	Mycetozoa	Ddi	Ddi_EAL69088	Ddi_EAL69088
GH57	383	EAL69169	393	8.50E-13	112	321	112	331	0.545691906	Dictyostelium_discoideum	Mycetozoa	GH57_EAL69169	Mycetozoa	Ddi	Ddi_EAL69169	Ddi_EAL69169
GH25	177	EAL69173	480	2.60E-16	1	173	24	205	0.971751412	Dictyostelium_discoideum	Mycetozoa	GH25_EAL69173	Mycetozoa	Ddi	Ddi_EAL69173	Ddi_EAL69173
GH18	296	EAL69263	369	4.40E-23	54	278	81	347	0.756756757	Dictyostelium_discoideum	Mycetozoa	GH18_EAL69263	Mycetozoa	Ddi	Ddi_EAL69263	Ddi_EAL69263
CBM63	78	EAL69290	335	1.80E-18	2	77	146	221	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM63_EAL69290	Mycetozoa	Ddi	Ddi_EAL69290	Ddi_EAL69290
GH13	299	EAL69352	2473	3.60E-11	11	286	1334	1680	0.919732442	Dictyostelium_discoideum	Mycetozoa	GH13_EAL69352	Mycetozoa	Ddi	Ddi_EAL69352	Ddi_EAL69352
GT5	472	EAL69352	2473	8.10E-89	2	470	1950	2424	0.991525424	Dictyostelium_discoideum	Mycetozoa	GT5_EAL69352	Mycetozoa	Ddi	Ddi_EAL69352	Ddi_EAL69352
GH39	431	EAL69402	499	0.000000009	114	267	124	288	0.354988399	Dictyostelium_discoideum	Mycetozoa	GH39_EAL69402	Mycetozoa	Ddi	Ddi_EAL69402	Ddi_EAL69402
GH15	361	EAL69407	648	4.40E-45	4	360	278	637	0.986149585	Dictyostelium_discoideum	Mycetozoa	GH15_EAL69407	Mycetozoa	Ddi	Ddi_EAL69407	Ddi_EAL69407
CBM23	162	EAL69443	221	0.00000069	49	162	79	195	0.697530864	Dictyostelium_discoideum	Mycetozoa	CBM23_EAL69443	Mycetozoa	Ddi	Ddi_EAL69443	Ddi_EAL69443
AA7	458	EAL69543	473	9.80E-60	13	183	38	204	0.371179039	Dictyostelium_discoideum	Mycetozoa	AA7_EAL69543	Mycetozoa	Ddi	Ddi_EAL69543	Ddi_EAL69543
CE1	227	EAL69586	412	0.0000007	14	120	19	115	0.466960352	Dictyostelium_discoideum	Mycetozoa	CE1_EAL69586	Mycetozoa	Ddi	Ddi_EAL69586	Ddi_EAL69586
GT60	330	EAL69600	423	1.60E-114	1	330	5	387	0.996969697	Dictyostelium_discoideum	Mycetozoa	GT60_EAL69600	Mycetozoa	Ddi	Ddi_EAL69600	Ddi_EAL69600
GH2	752	EAL69709	1022	1.30E-60	239	532	426	834	0.38962766	Dictyostelium_discoideum	Mycetozoa	GH2_EAL69709	Mycetozoa	Ddi	Ddi_EAL69709	Ddi_EAL69709
CE2	209	EAL69751	364	6.10E-35	1	204	152	352	0.971291866	Dictyostelium_discoideum	Mycetozoa	CE2_EAL69751	Mycetozoa	Ddi	Ddi_EAL69751	Ddi_EAL69751
GT57	481	EAL69911	625	1.10E-108	116	479	201	615	0.754677755	Dictyostelium_discoideum	Mycetozoa	GT57_EAL69911	Mycetozoa	Ddi	Ddi_EAL69911	Ddi_EAL69911
GT24	248	EAL69944	1681	8.10E-131	1	248	1369	1616	0.995967742	Dictyostelium_discoideum	Mycetozoa	GT24_EAL69944	Mycetozoa	Ddi	Ddi_EAL69944	Ddi_EAL69944
CBM48	76	EAL69945	678	5.80E-10	3	48	58	120	0.592105263	Dictyostelium_discoideum	Mycetozoa	CBM48_EAL69945	Mycetozoa	Ddi	Ddi_EAL69945	Ddi_EAL69945
GH13	299	EAL69945	678	5.30E-29	21	281	201	492	0.869565217	Dictyostelium_discoideum	Mycetozoa	GH13_EAL69945	Mycetozoa	Ddi	Ddi_EAL69945	Ddi_EAL69945
GH25	177	EAL69983	212	2.70E-24	1	174	23	201	0.977401113	Dictyostelium_discoideum	Mycetozoa	GH25_EAL69983	Mycetozoa	Ddi	Ddi_EAL69983	Ddi_EAL69983
GH109	126	EAL69985	430	1.40E-10	1	116	18	128	0.912698413	Dictyostelium_discoideum	Mycetozoa	GH109_EAL69985	Mycetozoa	Ddi	Ddi_EAL69985	Ddi_EAL69985
CBM49	78	EAL69987	121	1.20E-11	1	77	23	105	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL69987	Mycetozoa	Ddi	Ddi_EAL69987	Ddi_EAL69987
GH18	296	EAL70009	385	1.30E-31	72	279	98	354	0.699324324	Dictyostelium_discoideum	Mycetozoa	GH18_EAL70009	Mycetozoa	Ddi	Ddi_EAL70009	Ddi_EAL70009
GH24	137	EAL70038	170	1.10E-22	5	127	5	154	0.890510949	Dictyostelium_discoideum	Mycetozoa	GH24_EAL70038	Mycetozoa	Ddi	Ddi_EAL70038	Ddi_EAL70038
GT10	347	EAL70041	501	1.80E-85	21	339	35	414	0.916426513	Dictyostelium_discoideum	Mycetozoa	GT10_EAL70041	Mycetozoa	Ddi	Ddi_EAL70041	Ddi_EAL70041
GT4	160	EAL70079	1313	8.00E-13	12	148	437	584	0.85	Dictyostelium_discoideum	Mycetozoa	GT4_EAL70079	Mycetozoa	Ddi	Ddi_EAL70079	Ddi_EAL70079
GH29	346	EAL70088	461	2.30E-98	20	346	13	362	0.942196532	Dictyostelium_discoideum	Mycetozoa	GH29_EAL70088	Mycetozoa	Ddi	Ddi_EAL70088	Ddi_EAL70088
GH22	122	EAL70168	202	6.80E-10	6	113	24	119	0.87704918	Dictyostelium_discoideum	Mycetozoa	GH22_EAL70168	Mycetozoa	Ddi	Ddi_EAL70168	Ddi_EAL70168
GT49	337	EAL70263	516	9.60E-41	172	334	328	494	0.480712166	Dictyostelium_discoideum	Mycetozoa	GT49_EAL70263	Mycetozoa	Ddi	Ddi_EAL70263	Ddi_EAL70263
GT49	337	EAL70263	516	5.20E-17	54	176	86	201	0.362017804	Dictyostelium_discoideum	Mycetozoa	GT49_EAL70263	Mycetozoa	Ddi	Ddi_EAL70263	Ddi_EAL70263
GH24	137	EAL70308	170	2.40E-23	5	125	5	152	0.875912409	Dictyostelium_discoideum	Mycetozoa	GH24_EAL70308	Mycetozoa	Ddi	Ddi_EAL70308	Ddi_EAL70308
CBM20	90	EAL70408	970	5.10E-13	2	82	99	185	0.888888889	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL70408	Mycetozoa	Ddi	Ddi_EAL70408	Ddi_EAL70408
CE7	313	EAL70481	576	4.30E-09	174	297	275	403	0.392971246	Dictyostelium_discoideum	Mycetozoa	CE7_EAL70481	Mycetozoa	Ddi	Ddi_EAL70481	Ddi_EAL70481
AA10	178	EAL70608	238	1.40E-36	1	177	23	234	0.988764045	Dictyostelium_discoideum	Mycetozoa	AA10_EAL70608	Mycetozoa	Ddi	Ddi_EAL70608	Ddi_EAL70608
GH25	177	EAL70628	303	1.60E-13	9	171	40	212	0.915254237	Dictyostelium_discoideum	Mycetozoa	GH25_EAL70628	Mycetozoa	Ddi	Ddi_EAL70628	Ddi_EAL70628
CBM32	124	EAL70633	253	0.000000074	16	106	37	135	0.725806452	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL70633	Mycetozoa	Ddi	Ddi_EAL70633	Ddi_EAL70633
CBM32	124	EAL70634	253	0.000000042	16	106	37	135	0.725806452	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL7063				

CBM32	124	EAL70749	253	0.00000064	11	106	32	135	0.766129032	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL70749	Mycetozoa	Ddi	Ddi_EAL70749	Ddi_EAL70749
CBM32	124	EAL70750	253	0.000000074	16	106	37	135	0.725806452	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL70750	Mycetozoa	Ddi	Ddi_EAL70750	Ddi_EAL70750
CBM32	124	EAL70751	253	0.000000042	16	106	37	135	0.725806452	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL70751	Mycetozoa	Ddi	Ddi_EAL70751	Ddi_EAL70751
AA10	178	EAL70769	238	1.40E-36	1	177	23	234	0.988764045	Dictyostelium_discoideum	Mycetozoa	AA10_EAL70769	Mycetozoa	Ddi	Ddi_EAL70769	Ddi_EAL70769
GH25	177	EAL70805	303	1.60E-13	9	171	40	212	0.915254237	Dictyostelium_discoideum	Mycetozoa	GH25_EAL70805	Mycetozoa	Ddi	Ddi_EAL70805	Ddi_EAL70805
GT4	160	EAL71002	420	1.40E-36	7	159	225	393	0.95	Dictyostelium_discoideum	Mycetozoa	GT4_EAL71002	Mycetozoa	Ddi	Ddi_EAL71002	Ddi_EAL71002
CE7	313	EAL71033	576	4.30E-09	174	297	275	403	0.392971246	Dictyostelium_discoideum	Mycetozoa	CE7_EAL71033	Mycetozoa	Ddi	Ddi_EAL71033	Ddi_EAL71033
CBM20	90	EAL71041	970	5.10E-13	2	82	99	185	0.888888889	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL71041	Mycetozoa	Ddi	Ddi_EAL71041	Ddi_EAL71041
GT17	284	EAL71237	439	1.10E-40	14	145	134	272	0.461267606	Dictyostelium_discoideum	Mycetozoa	GT17_EAL71237	Mycetozoa	Ddi	Ddi_EAL71237	Ddi_EAL71237
GT17	284	EAL71238	487	3.40E-40	14	144	183	320	0.457746479	Dictyostelium_discoideum	Mycetozoa	GT17_EAL71238	Mycetozoa	Ddi	Ddi_EAL71238	Ddi_EAL71238
GT17	284	EAL71290	443	1.30E-40	14	146	138	276	0.464788732	Dictyostelium_discoideum	Mycetozoa	GT17_EAL71290	Mycetozoa	Ddi	Ddi_EAL71290	Ddi_EAL71290
GT17	284	EAL71363	487	6.70E-40	14	150	181	323	0.478873239	Dictyostelium_discoideum	Mycetozoa	GT17_EAL71363	Mycetozoa	Ddi	Ddi_EAL71363	Ddi_EAL71363
CBM20	90	EAL71465	146	7.00E-23	2	85	14	97	0.922222222	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL71465	Mycetozoa	Ddi	Ddi_EAL71465	Ddi_EAL71465
CBM8	143	EAL71697	705	4.40E-54	2	143	559	702	0.986013986	Dictyostelium_discoideum	Mycetozoa	CBM8_EAL71697	Mycetozoa	Ddi	Ddi_EAL71697	Ddi_EAL71697
GH9	418	EAL71697	705	3.00E-124	1	418	26	451	0.997607656	Dictyostelium_discoideum	Mycetozoa	GH9_EAL71697	Mycetozoa	Ddi	Ddi_EAL71697	Ddi_EAL71697
GH9	418	EAL71787	454	1.40E-122	1	418	26	451	0.997607656	Dictyostelium_discoideum	Mycetozoa	GH9_EAL71787	Mycetozoa	Ddi	Ddi_EAL71787	Ddi_EAL71787
GH27	375	EAL71875	385	2.20E-22	254	374	209	321	0.32	Dictyostelium_discoideum	Mycetozoa	GH27_EAL71875	Mycetozoa	Ddi	Ddi_EAL71875	Ddi_EAL71875
CBM49	78	EAL71905	532	3.00E-23	2	77	441	516	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL71905	Mycetozoa	Ddi	Ddi_EAL71905	Ddi_EAL71905
CBM49	78	EAL71905	532	1.20E-22	1	78	237	318	0.987179487	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL71905	Mycetozoa	Ddi	Ddi_EAL71905	Ddi_EAL71905
GT2	168	EAL71912	1059	1.00E-16	64	167	598	705	0.613095238	Dictyostelium_discoideum	Mycetozoa	GT2_EAL71912	Mycetozoa	Ddi	Ddi_EAL71912	Ddi_EAL71912
GH31	427	EAL71927	943	8.40E-155	2	427	363	810	0.995316159	Dictyostelium_discoideum	Mycetozoa	GH31_EAL71927	Mycetozoa	Ddi	Ddi_EAL71927	Ddi_EAL71927
GH25	177	EAL71974	297	5.40E-13	10	173	37	209	0.920903955	Dictyostelium_discoideum	Mycetozoa	GH25_EAL71974	Mycetozoa	Ddi	Ddi_EAL71974	Ddi_EAL71974
GT14	250	EAL72129	500	5.00E-28	1	242	179	459	0.964	Dictyostelium_discoideum	Mycetozoa	GT14_EAL72129	Mycetozoa	Ddi	Ddi_EAL72129	Ddi_EAL72129
AA7	458	EAL72138	523	1.30E-38	14	224	40	257	0.458515284	Dictyostelium_discoideum	Mycetozoa	AA7_EAL72138	Mycetozoa	Ddi	Ddi_EAL72138	Ddi_EAL72138
GH31	427	EAL72245	867	4.10E-141	2	427	246	721	0.995316159	Dictyostelium_discoideum	Mycetozoa	GH31_EAL72245	Mycetozoa	Ddi	Ddi_EAL72245	Ddi_EAL72245
AA7	458	EAL72296	485	6.60E-86	3	458	46	478	0.993449782	Dictyostelium_discoideum	Mycetozoa	AA7_EAL72296	Mycetozoa	Ddi	Ddi_EAL72296	Ddi_EAL72296
GT14	250	EAL72300	677	6.70E-29	1	237	352	635	0.944	Dictyostelium_discoideum	Mycetozoa	GT14_EAL72300	Mycetozoa	Ddi	Ddi_EAL72300	Ddi_EAL72300
CBM20	90	EAL72357	206	4.10E-22	2	82	110	191	0.888888889	Dictyostelium_discoideum	Mycetozoa	CBM20_EAL72357	Mycetozoa	Ddi	Ddi_EAL72357	Ddi_EAL72357
CBM49	78	EAL72379	1137	9.60E-14	2	77	1042	1120	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72379	Mycetozoa	Ddi	Ddi_EAL72379	Ddi_EAL72379
CBM49	78	EAL72380	1137	9.60E-14	2	77	1042	1120	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72380	Mycetozoa	Ddi	Ddi_EAL72380	Ddi_EAL72380
GH5	275	EAL72387	509	1.80E-39	28	242	65	398	0.778181818	Dictyostelium_discoideum	Mycetozoa	GH5_EAL72387	Mycetozoa	Ddi	Ddi_EAL72387	Ddi_EAL72387
CBM49	78	EAL72445	572	3.20E-09	3	77	485	560	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72445	Mycetozoa	Ddi	Ddi_EAL72445	Ddi_EAL72445
GH5	275	EAL72445	572	2.60E-33	6	252	46	388	0.894545455	Dictyostelium_discoideum	Mycetozoa	GH5_EAL72445	Mycetozoa	Ddi	Ddi_EAL72445	Ddi_EAL72445
GT13	395	EAL72491	441	9.10E-14	49	195	27	182	0.369620253	Dictyostelium_discoideum	Mycetozoa	GT13_EAL72491	Mycetozoa	Ddi	Ddi_EAL72491	Ddi_EAL72491
CBM49	78	EAL72494	138	0.000000047	1	77	29	120	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72494	Mycetozoa	Ddi	Ddi_EAL72494	Ddi_EAL72494
CBM49	78	EAL72495	138	0.000000022	1	77	29	120	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72495	Mycetozoa	Ddi	Ddi_EAL72495	Ddi_EAL72495
CBM49	78	EAL72496	124	0.000000055	1	77	15	106	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72496	Mycetozoa	Ddi	Ddi_EAL72496	Ddi_EAL72496
CBM49	78	EAL72497	138	0.000000014	1	77	29	120	0.974358974	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72497	Mycetozoa	Ddi	Ddi_EAL72497	Ddi_EAL72497
AA4	522	EAL72600	497	1.90E-19	17	255	40	269	0.455938697	Dictyostelium_discoideum	Mycetozoa	AA4_EAL72600	Mycetozoa	Ddi	Ddi_EAL72600	Ddi_EAL72600
GH76	358	EAL72738	824	0.00000026	38	184	514	695	0.407821229	Dictyostelium_discoideum	Mycetozoa	GH76_EAL72738	Mycetozoa	Ddi	Ddi_EAL72738	Ddi_EAL72738
AA4	522	EAL72753	554	1.30E-23	33	294	107	358	0.5	Dictyostelium_discoideum	Mycetozoa	AA4_EAL72753	Mycetozoa	Ddi	Ddi_EAL72753	Ddi_EAL72753
CE5	189	EAL72817	287	0.0000005	8	174	90	280	0.878306878	Dictyostelium_discoideum	Mycetozoa	CE5_EAL72817	Mycetozoa	Ddi	Ddi_EAL72817	Ddi_EAL72817
GH47	446	EAL72966	655	1.00E-134	1	446	211	652	0.997757848	Dictyostelium_discoideum	Mycetozoa	GH47_EAL72966	Mycetozoa	Ddi	Ddi_EAL72966	Ddi_EAL72966
CBM49	78	EAL72967	123	0.000000099	2	77	26	107	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL72967	Mycetozoa	Ddi	Ddi_EAL72967	Ddi_EAL72967
GT13	395	EAL73016	628	5.50E-40	15	390	73	480	0.949367089	Dictyostelium_discoideum	Mycetozoa	GT13_EAL73016	Mycetozoa	Ddi	Ddi_EAL73016	Ddi_EAL73016
CBM32	124	EAL73085	188	0.0000011	8	55	35	84	0.379032258	Dictyostelium_discoideum	Mycetozoa	CBM32_EAL73085	Mycetozoa	Ddi	Ddi_EAL73085	Ddi_EAL73085
GH38	269	EAL73086	1079	3.00E-67	2	262	37	357	0.966542751	Dictyostelium_discoideum	Mycetozoa	GH38_EAL73086	Mycetozoa	Ddi	Ddi_EAL73086	Ddi_EAL73086
AA7	458	EAL73265	504	2.80E-61	9	458	42	499	0.980349345	Dictyostelium_discoideum	Mycetozoa	AA7_EAL73265	Mycetozoa	Ddi	Ddi_EAL73265	Ddi_EAL73265
GT3	637	EAL73290	878	2.60E-238	2	620	54	664	0.970172685	Dictyostelium_discoideum	Mycetozoa	GT3_EAL73290	Mycetozoa	Ddi	Ddi_EAL73290	Ddi_EAL73290
CE10	341	EAL73324	777	6.40E-19	93	312	525	757	0.642228739	Dictyostelium_discoideum	Mycetozoa	CE10_EAL73324	Mycetozoa	Ddi	Ddi_EAL73324	Ddi_EAL73324
CBM63	78	EAL73375	292	3.50E-16	2	76	153	229	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM63_EAL73375	Mycetozoa	Ddi	Ddi_EAL73375	Ddi_EAL73375
CBM63	78	EAL73376	286	3.60E-20	2	77	148	224	0.961538462	Dictyostelium_discoideum	Mycetozoa	CBM63_EAL73376	Mycetozoa	Ddi	Ddi_EAL73376	Ddi_EAL73376
GT22	389	EAL73395	646	4.80E-87	5	360	47	525	0.912596401	Dictyostelium_discoideum	Mycetozoa	GT22_EAL73395	Mycetozoa	Ddi	Ddi_EAL73395	Ddi_EAL73395
CE1	227	EAL73485	222	1.10E-09	22	147	10	166	0.550660793	Dictyostelium_discoideum	Mycetozoa	CE1_EAL73485	Mycetozoa	Ddi	Ddi_EAL73485	Ddi_EAL73485
GH18	296	EAL73498	260	1.10E-15	9	163	15	196	0.52027027	Dictyostelium_discoideum	Mycetozoa	GH18_EAL73498	Mycetozoa	Ddi	Ddi_EAL73498	Ddi_EAL73498
CBM49	78	EAL73506	128	7.60E-10	3	77	31	111	0.948717949	Dictyostelium_discoideum	Mycetozoa	CBM49_EAL73506	Mycetozoa	Ddi	Ddi_EAL73506	Ddi_EAL73506
GT49	337	EAL73533	550	5.90E-30	51	318	124	507	0.792284867	Dictyostelium_discoideum	Mycetozoa	GT49_EAL73533	Mycetozoa	Ddi	Ddi_EAL73533	Ddi_EAL73533
GT10	347	EAL73548	818	7.80E-49	52	336	235	544	0.818443804	Dictyostelium_discoideum	Mycetozoa	GT10_EAL73548	Mycetozoa	Ddi	Ddi_EAL73548	Ddi_EAL73548
GT14	250	EAL73555	631	3.10E-28	1	235	308	587	0.936	Dictyostelium_discoideum	Mycetozoa	GT14_EAL73555	Mycetozoa	Ddi	Ddi_EAL73555	Ddi_EAL73555
GT58	364	EAL73572	446	4.20E-91	101	364	153	407	0.722527473	Dictyostelium_discoideum	Mycetozoa	GT58_EAL73572	Mycetozoa	Ddi	Ddi_EAL73572	Ddi_EAL73572
GH7	415	EAL73676	457	2.10E-186	2	414	22	455	0.992771084	Dictyostelium_discoideum	Mycetozoa	GH7_EAL73676	Mycetozoa	Ddi	Ddi_EAL73676	Ddi_EAL73676
GH85	315	EAL73713	1306	1.20E-72	15	268	346	629	0.803174603	Dictyostelium_discoideum	Mycetozoa	GH85_EAL73713	Mycetozoa	Ddi	Ddi_EAL73713	Ddi_EAL73713
GT22	389	EAS66820	667	1.50E-35	111	362	104	522	0.645244216	Dictyostelium_discoideum	Mycetozoa	GT22_EAS66820	Mycetozoa	Ddi	Ddi_EAS66820	Ddi_EAS66820
GH38	269	EAS66899	1123	4.30E-39	81	268	108	336	0.695167286	Dictyostelium_discoideum	Mycetozoa	GH38_EAS66899	Mycetozoa	Ddi	Ddi_EAS66899	Ddi_EAS66899
AA3	618	EDR41048	589	1.20E-70	90	401	34	588	0.503236246	Dictyostelium_discoideum	Mycetozoa	AA3_EDR41048	Mycetozoa	Ddi	Ddi_EDR41048	Ddi_EDR41048
GH2	725	EOD03702	813	4.60E-47	26	363	29	419	0.448138298	Emiliana_huxleyi	Haptophyte	GH2_EOD03702	Haptophyte	Ehux	Ehux_EOD03702	Ehux_EOD03702
CE1	227	EOD03729	325	7.70E-09	29	143	50	182	0.502202643	Emiliana_huxleyi	Haptophyte	CE1_EOD03729	Haptophyte	Ehux	Ehux_EOD03729	Ehux_EOD03729
CE10	341	EOD03810	342	1.80E-35	79	310	7	283	0.677419355	Emiliana_huxleyi	Haptophyte	CE10_EOD03810	Haptophyte	Ehux	Ehux_EOD03810	Ehux_EOD03810
GT77	216	EOD03818	218	0.000000018	63	186	2	164	0.569444444	Emiliana_huxleyi	Haptophyte	GT77_EOD03818	Haptophyte	Ehux	Ehux_EOD03818	Ehux_EOD03818
GT32	90	EOD03819	362	1.20E-15	13	88	44	116	0.833333333	Emiliana_huxleyi	H					

GH3	216	EOD03913	749	2.00E-62	3	215	62	306	0.981481482	Emiliana_huxleyi	Haptophyte	GH3_EOD03913	Haptophyte	Ehux	Ehux_EOD03913	Ehux_EOD03913
GT8	257	EOD03925	346	3.40E-11	23	254	9	318	0.898832685	Emiliana_huxleyi	Haptophyte	GT8_EOD03925	Haptophyte	Ehux	Ehux_EOD03925	Ehux_EOD03925
GH109	126	EOD03944	335	4.70E-10	2	119	5	113	0.928571429	Emiliana_huxleyi	Haptophyte	GH109_EOD03944	Haptophyte	Ehux	Ehux_EOD03944	Ehux_EOD03944
GH20	337	EOD04015	275	2.40E-24	169	336	17	240	0.495548961	Emiliana_huxleyi	Haptophyte	GH20_EOD04015	Haptophyte	Ehux	Ehux_EOD04015	Ehux_EOD04015
CBM9	182	EOD04023	194	3.50E-33	2	134	25	182	0.725274725	Emiliana_huxleyi	Haptophyte	CBM9_EOD04023	Haptophyte	Ehux	Ehux_EOD04023	Ehux_EOD04023
GT31	192	EOD04067	458	2.50E-21	2	183	120	339	0.942708333	Emiliana_huxleyi	Haptophyte	GT31_EOD04067	Haptophyte	Ehux	Ehux_EOD04067	Ehux_EOD04067
GH43	248	EOD04168	212	4.70E-09	111	216	2	128	0.423387097	Emiliana_huxleyi	Haptophyte	GH43_EOD04168	Haptophyte	Ehux	Ehux_EOD04168	Ehux_EOD04168
GT77	216	EOD04176	764	6.80E-36	2	210	121	412	0.962962963	Emiliana_huxleyi	Haptophyte	GT77_EOD04176	Haptophyte	Ehux	Ehux_EOD04176	Ehux_EOD04176
GT77	216	EOD04180	174	0.000068	2	74	104	172	0.333333333	Emiliana_huxleyi	Haptophyte	GT77_EOD04180	Haptophyte	Ehux	Ehux_EOD04180	Ehux_EOD04180
GT31	192	EOD04247	320	4.20E-22	2	176	33	209	0.90625	Emiliana_huxleyi	Haptophyte	GT31_EOD04247	Haptophyte	Ehux	Ehux_EOD04247	Ehux_EOD04247
GT95	294	EOD04256	347	3.10E-66	20	294	1	292	0.931972789	Emiliana_huxleyi	Haptophyte	GT95_EOD04256	Haptophyte	Ehux	Ehux_EOD04256	Ehux_EOD04256
GT95	294	EOD04262	393	1.10E-55	9	240	128	386	0.785714286	Emiliana_huxleyi	Haptophyte	GT95_EOD04262	Haptophyte	Ehux	Ehux_EOD04262	Ehux_EOD04262
CBM47	128	EOD04316	121	7.80E-15	40	124	36	116	0.65625	Emiliana_huxleyi	Haptophyte	CBM47_EOD04316	Haptophyte	Ehux	Ehux_EOD04316	Ehux_EOD04316
GT2	168	EOD04323	202	3.00E-23	1	104	57	162	0.613095238	Emiliana_huxleyi	Haptophyte	GT2_EOD04323	Haptophyte	Ehux	Ehux_EOD04323	Ehux_EOD04323
GT77	216	EOD04376	201	1.70E-22	5	139	30	198	0.62037037	Emiliana_huxleyi	Haptophyte	GT77_EOD04376	Haptophyte	Ehux	Ehux_EOD04376	Ehux_EOD04376
GH27	375	EOD04390	503	4.00E-10	145	335	222	399	0.506666667	Emiliana_huxleyi	Haptophyte	GH27_EOD04390	Haptophyte	Ehux	Ehux_EOD04390	Ehux_EOD04390
GT15	273	EOD04408	1104	6.30E-29	97	272	606	796	0.641025641	Emiliana_huxleyi	Haptophyte	GT15_EOD04408	Haptophyte	Ehux	Ehux_EOD04408	Ehux_EOD04408
GT32	90	EOD04462	154	9.00E-18	7	84	78	151	0.855555556	Emiliana_huxleyi	Haptophyte	GT32_EOD04462	Haptophyte	Ehux	Ehux_EOD04462	Ehux_EOD04462
GT47	296	EOD04463	327	0.0000094	148	259	99	229	0.375	Emiliana_huxleyi	Haptophyte	GT47_EOD04463	Haptophyte	Ehux	Ehux_EOD04463	Ehux_EOD04463
GH3	216	EOD04484	828	1.20E-47	4	216	51	290	0.981481482	Emiliana_huxleyi	Haptophyte	GH3_EOD04484	Haptophyte	Ehux	Ehux_EOD04484	Ehux_EOD04484
GH19	231	EOD04495	609	1.40E-14	46	164	200	370	0.510822511	Emiliana_huxleyi	Haptophyte	GH19_EOD04495	Haptophyte	Ehux	Ehux_EOD04495	Ehux_EOD04495
GT90	250	EOD04506	689	3.30E-12	59	223	127	289	0.656	Emiliana_huxleyi	Haptophyte	GT90_EOD04506	Haptophyte	Ehux	Ehux_EOD04506	Ehux_EOD04506
GT32	90	EOD04559	135	3.70E-11	40	80	5	45	0.444444444	Emiliana_huxleyi	Haptophyte	GT32_EOD04559	Haptophyte	Ehux	Ehux_EOD04559	Ehux_EOD04559
GT4	160	EOD04651	677	3.70E-12	5	117	339	448	0.7	Emiliana_huxleyi	Haptophyte	GT4_EOD04651	Haptophyte	Ehux	Ehux_EOD04651	Ehux_EOD04651
AA11	191	EOD04663	584	7.70E-09	9	150	63	210	0.738219895	Emiliana_huxleyi	Haptophyte	AA11_EOD04663	Haptophyte	Ehux	Ehux_EOD04663	Ehux_EOD04663
GT95	294	EOD04695	489	3.70E-30	132	292	190	379	0.544217687	Emiliana_huxleyi	Haptophyte	GT95_EOD04695	Haptophyte	Ehux	Ehux_EOD04695	Ehux_EOD04695
CE15	269	EOD04737	239	6.10E-22	5	147	14	237	0.527881041	Emiliana_huxleyi	Haptophyte	CE15_EOD04737	Haptophyte	Ehux	Ehux_EOD04737	Ehux_EOD04737
AA3	618	EOD04746	623	0.00000047	91	376	21	579	0.461165049	Emiliana_huxleyi	Haptophyte	AA3_EOD04746	Haptophyte	Ehux	Ehux_EOD04746	Ehux_EOD04746
GT32	90	EOD04812	324	1.40E-13	8	87	36	111	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_EOD04812	Haptophyte	Ehux	Ehux_EOD04812	Ehux_EOD04812
GT23	318	EOD04827	1877	0.00000025	130	238	577	686	0.339622642	Emiliana_huxleyi	Haptophyte	GT23_EOD04827	Haptophyte	Ehux	Ehux_EOD04827	Ehux_EOD04827
GT32	90	EOD04892	306	1.00E-10	3	80	28	106	0.855555556	Emiliana_huxleyi	Haptophyte	GT32_EOD04892	Haptophyte	Ehux	Ehux_EOD04892	Ehux_EOD04892
CE6	99	EOD04924	546	2.80E-14	1	79	319	418	0.787878788	Emiliana_huxleyi	Haptophyte	CE6_EOD04924	Haptophyte	Ehux	Ehux_EOD04924	Ehux_EOD04924
GT8	257	EOD04987	801	8.10E-26	20	255	563	793	0.914396887	Emiliana_huxleyi	Haptophyte	GT8_EOD04987	Haptophyte	Ehux	Ehux_EOD04987	Ehux_EOD04987
GT90	250	EOD04994	316	1.20E-11	47	181	74	195	0.536	Emiliana_huxleyi	Haptophyte	GT90_EOD04994	Haptophyte	Ehux	Ehux_EOD04994	Ehux_EOD04994
AA7	458	EOD05019	1825	2.80E-48	15	187	1229	1414	0.375545852	Emiliana_huxleyi	Haptophyte	AA7_EOD05019	Haptophyte	Ehux	Ehux_EOD05019	Ehux_EOD05019
GH27	375	EOD05053	350	4.60E-52	123	346	108	317	0.594666667	Emiliana_huxleyi	Haptophyte	GH27_EOD05053	Haptophyte	Ehux	Ehux_EOD05053	Ehux_EOD05053
GH27	375	EOD05054	350	1.10E-51	123	346	108	317	0.594666667	Emiliana_huxleyi	Haptophyte	GH27_EOD05054	Haptophyte	Ehux	Ehux_EOD05054	Ehux_EOD05054
CBM47	128	EOD05084	362	4.50E-15	35	115	283	360	0.625	Emiliana_huxleyi	Haptophyte	CBM47_EOD05084	Haptophyte	Ehux	Ehux_EOD05084	Ehux_EOD05084
GH18	296	EOD05101	790	8.70E-67	10	284	367	702	0.925675676	Emiliana_huxleyi	Haptophyte	GH18_EOD05101	Haptophyte	Ehux	Ehux_EOD05101	Ehux_EOD05101
GH19	231	EOD05101	790	2.20E-16	28	157	112	298	0.558441558	Emiliana_huxleyi	Haptophyte	GH19_EOD05101	Haptophyte	Ehux	Ehux_EOD05101	Ehux_EOD05101
GH18	296	EOD05146	616	5.00E-61	4	251	279	616	0.83445946	Emiliana_huxleyi	Haptophyte	GH18_EOD05146	Haptophyte	Ehux	Ehux_EOD05146	Ehux_EOD05146
GH19	231	EOD05146	616	2.30E-13	59	157	9	155	0.424242424	Emiliana_huxleyi	Haptophyte	GH19_EOD05146	Haptophyte	Ehux	Ehux_EOD05146	Ehux_EOD05146
GT77	216	EOD05205	331	2.50E-09	3	181	3	209	0.824074074	Emiliana_huxleyi	Haptophyte	GT77_EOD05205	Haptophyte	Ehux	Ehux_EOD05205	Ehux_EOD05205
AA13	232	EOD05235	376	9.80E-11	69	232	200	369	0.702586207	Emiliana_huxleyi	Haptophyte	AA13_EOD05235	Haptophyte	Ehux	Ehux_EOD05235	Ehux_EOD05235
AA3	618	EOD05237	640	4.20E-78	74	405	12	622	0.535598706	Emiliana_huxleyi	Haptophyte	AA3_EOD05237	Haptophyte	Ehux	Ehux_EOD05237	Ehux_EOD05237
GH17	311	EOD05283	461	2.10E-42	13	309	74	386	0.951768489	Emiliana_huxleyi	Haptophyte	GH17_EOD05283	Haptophyte	Ehux	Ehux_EOD05283	Ehux_EOD05283
GT2	168	EOD05317	506	8.00E-18	2	164	9	175	0.964285714	Emiliana_huxleyi	Haptophyte	GT2_EOD05317	Haptophyte	Ehux	Ehux_EOD05317	Ehux_EOD05317
GT27	295	EOD05322	1231	2.60E-11	2	255	453	694	0.857627119	Emiliana_huxleyi	Haptophyte	GT27_EOD05322	Haptophyte	Ehux	Ehux_EOD05322	Ehux_EOD05322
AA7	458	EOD05411	744	2.20E-36	20	182	35	215	0.35371179	Emiliana_huxleyi	Haptophyte	AA7_EOD05411	Haptophyte	Ehux	Ehux_EOD05411	Ehux_EOD05411
GH1	429	EOD05475	392	2.40E-56	128	427	26	310	0.696969697	Emiliana_huxleyi	Haptophyte	GH1_EOD05475	Haptophyte	Ehux	Ehux_EOD05475	Ehux_EOD05475
GT77	216	EOD05486	657	1.20E-14	5	101	209	305	0.444444444	Emiliana_huxleyi	Haptophyte	GT77_EOD05486	Haptophyte	Ehux	Ehux_EOD05486	Ehux_EOD05486
GT4	160	EOD05520	472	0.00000088	66	140	358	433	0.4625	Emiliana_huxleyi	Haptophyte	GT4_EOD05520	Haptophyte	Ehux	Ehux_EOD05520	Ehux_EOD05520
GT8	257	EOD05558	398	0.0000039	109	231	116	268	0.474708171	Emiliana_huxleyi	Haptophyte	GT8_EOD05558	Haptophyte	Ehux	Ehux_EOD05558	Ehux_EOD05558
CE10	341	EOD05634	523	1.80E-26	64	316	216	475	0.739002933	Emiliana_huxleyi	Haptophyte	CE10_EOD05634	Haptophyte	Ehux	Ehux_EOD05634	Ehux_EOD05634
GT77	216	EOD05727	581	2.00E-42	2	216	89	325	0.990740741	Emiliana_huxleyi	Haptophyte	GT77_EOD05727	Haptophyte	Ehux	Ehux_EOD05727	Ehux_EOD05727
GT47	296	EOD05747	434	7.70E-21	5	262	33	338	0.868243243	Emiliana_huxleyi	Haptophyte	GT47_EOD05747	Haptophyte	Ehux	Ehux_EOD05747	Ehux_EOD05747
GT92	279	EOD05798	333	0.0000017	15	224	21	245	0.749103943	Emiliana_huxleyi	Haptophyte	GT92_EOD05798	Haptophyte	Ehux	Ehux_EOD05798	Ehux_EOD05798
GT47	296	EOD05815	488	2.50E-09	77	173	320	426	0.324324324	Emiliana_huxleyi	Haptophyte	GT47_EOD05815	Haptophyte	Ehux	Ehux_EOD05815	Ehux_EOD05815
GH47	446	EOD05832	464	3.10E-139	1	444	14	447	0.993273543	Emiliana_huxleyi	Haptophyte	GH47_EOD05832	Haptophyte	Ehux	Ehux_EOD05832	Ehux_EOD05832
GH130	296	EOD05860	192	3.20E-12	156	281	43	182	0.422297297	Emiliana_huxleyi	Haptophyte	GH130_EOD05860	Haptophyte	Ehux	Ehux_EOD05860	Ehux_EOD05860
GT90	250	EOD05879	665	5.50E-12	59	223	127	289	0.656	Emiliana_huxleyi	Haptophyte	GT90_EOD05879	Haptophyte	Ehux	Ehux_EOD05879	Ehux_EOD05879
GH1	429	EOD05892	483	4.50E-45	4	150	68	217	0.34032634	Emiliana_huxleyi	Haptophyte	GH1_EOD05892	Haptophyte	Ehux	Ehux_EOD05892	Ehux_EOD05892
GH1	429	EOD05892	483	1.30E-43	188	409	223	470	0.515151515	Emiliana_huxleyi	Haptophyte	GH1_EOD05892	Haptophyte	Ehux	Ehux_EOD05892	Ehux_EOD05892
GH54	316	EOD05900	327	5.50E-121	1	314	19	326	0.990506329	Emiliana_huxleyi	Haptophyte	GH54_EOD05900	Haptophyte	Ehux	Ehux_EOD05900	Ehux_EOD05900
GT77	216	EOD05927	552	8.00E-14	5	109	145	281	0.481481482	Emiliana_huxleyi	Haptophyte	GT77_EOD05927	Haptophyte	Ehux	Ehux_EOD05927	Ehux_EOD05927
CE4	130	EOD05956	351	3.90E-11	6	122	56	197	0.892307692	Emiliana_huxleyi	Haptophyte	CE4_EOD05956	Haptophyte	Ehux	Ehux_EOD05956	Ehux_EOD05956
GT31	192	EOD05980	371	2.50E-11	62	190	154	265	0.666666667	Emiliana_huxleyi	Haptophyte	GT31_EOD05980	Haptophyte	Ehux	Ehux_EOD05980	Ehux_EOD05980
GT4	160	EOD06020	361	1.40E-10	91	151	259	317	0.375	Emiliana_huxleyi	Haptophyte	GT4_EOD06020	Haptophyte	Ehux	Ehux_EOD06020	Ehux_EOD06020
GH32	293	EOD06076	495	1.40E-19	9	291	55	353	0.962457338	Emiliana_huxleyi	Haptophyte	GH32_EOD06076	Haptophyte	Ehux	Ehux_EOD06076	Ehux_EOD06076
GT25	181	EOD06095	381	2.30E-09	3	178	33	194	0.966850829	Emiliana_huxleyi	Haptophyte	GT25_EOD06095	Haptophyte	Ehux	Ehux_EOD06095	Ehux_EOD06095
CE13	355	EOD06129	424	8.50E-50	13	256	6	260	0.684507042	Emiliana_huxleyi	Haptophyte	CE13				

GT47	296	EOD06146	618	9.40E-33	3	295	245	542	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD06146	Haptophyte	Ehux	Ehux_EOD06146	Ehux_EOD06146
CBM47	128	EOD06156	213	8.10E-17	36	118	129	208	0.640625	Emiliana_huxleyi	Haptophyte	CBM47_EOD06156	Haptophyte	Ehux	Ehux_EOD06156	Ehux_EOD06156
GT95	294	EOD06160	486	3.10E-65	1	292	52	329	0.989795918	Emiliana_huxleyi	Haptophyte	GT95_EOD06160	Haptophyte	Ehux	Ehux_EOD06160	Ehux_EOD06160
CE3	194	EOD06162	674	1.20E-10	2	189	2	197	0.963917526	Emiliana_huxleyi	Haptophyte	CE3_EOD06162	Haptophyte	Ehux	Ehux_EOD06162	Ehux_EOD06162
CBM47	128	EOD06214	118	1.30E-14	40	126	28	110	0.671875	Emiliana_huxleyi	Haptophyte	CBM47_EOD06214	Haptophyte	Ehux	Ehux_EOD06214	Ehux_EOD06214
GT31	192	EOD06314	556	1.40E-12	9	183	31	236	0.90625	Emiliana_huxleyi	Haptophyte	GT31_EOD06314	Haptophyte	Ehux	Ehux_EOD06314	Ehux_EOD06314
GT31	192	EOD06321	321	1.20E-14	1	158	28	209	0.817708333	Emiliana_huxleyi	Haptophyte	GT31_EOD06321	Haptophyte	Ehux	Ehux_EOD06321	Ehux_EOD06321
GH1	429	EOD06357	499	7.70E-151	4	420	40	499	0.96969697	Emiliana_huxleyi	Haptophyte	GH1_EOD06357	Haptophyte	Ehux	Ehux_EOD06357	Ehux_EOD06357
CBM47	128	EOD06375	839	3.10E-13	40	126	507	589	0.671875	Emiliana_huxleyi	Haptophyte	CBM47_EOD06375	Haptophyte	Ehux	Ehux_EOD06375	Ehux_EOD06375
CBM47	128	EOD06375	839	3.20E-13	40	126	628	710	0.671875	Emiliana_huxleyi	Haptophyte	CBM47_EOD06375	Haptophyte	Ehux	Ehux_EOD06375	Ehux_EOD06375
CBM47	128	EOD06375	839	3.20E-13	40	126	749	831	0.671875	Emiliana_huxleyi	Haptophyte	CBM47_EOD06375	Haptophyte	Ehux	Ehux_EOD06375	Ehux_EOD06375
GH1	429	EOD06429	499	7.50E-151	4	420	40	499	0.96969697	Emiliana_huxleyi	Haptophyte	GH1_EOD06429	Haptophyte	Ehux	Ehux_EOD06429	Ehux_EOD06429
GH109	126	EOD06454	405	2.30E-18	1	117	8	120	0.920634921	Emiliana_huxleyi	Haptophyte	GH109_EOD06454	Haptophyte	Ehux	Ehux_EOD06454	Ehux_EOD06454
GT90	250	EOD06486	203	7.80E-13	47	186	74	200	0.556	Emiliana_huxleyi	Haptophyte	GT90_EOD06486	Haptophyte	Ehux	Ehux_EOD06486	Ehux_EOD06486
GH19	231	EOD06604	360	2.10E-16	47	160	54	213	0.489177489	Emiliana_huxleyi	Haptophyte	GH19_EOD06604	Haptophyte	Ehux	Ehux_EOD06604	Ehux_EOD06604
AA2	255	EOD06619	626	5.20E-22	13	126	75	190	0.443137255	Emiliana_huxleyi	Haptophyte	AA2_EOD06619	Haptophyte	Ehux	Ehux_EOD06619	Ehux_EOD06619
AA2	255	EOD06619	626	1.50E-14	28	161	399	531	0.521568628	Emiliana_huxleyi	Haptophyte	AA2_EOD06619	Haptophyte	Ehux	Ehux_EOD06619	Ehux_EOD06619
CBM48	76	EOD06623	492	5.40E-11	3	56	145	216	0.697368421	Emiliana_huxleyi	Haptophyte	CBM48_EOD06623	Haptophyte	Ehux	Ehux_EOD06623	Ehux_EOD06623
GH117	211	EOD06638	360	3.00E-11	39	158	103	243	0.563981043	Emiliana_huxleyi	Haptophyte	GH117_EOD06638	Haptophyte	Ehux	Ehux_EOD06638	Ehux_EOD06638
GT31	192	EOD06647	325	7.70E-17	2	185	33	245	0.953125	Emiliana_huxleyi	Haptophyte	GT31_EOD06647	Haptophyte	Ehux	Ehux_EOD06647	Ehux_EOD06647
GT2	168	EOD06660	635	9.10E-09	29	99	299	366	0.416666667	Emiliana_huxleyi	Haptophyte	GT2_EOD06660	Haptophyte	Ehux	Ehux_EOD06660	Ehux_EOD06660
CBM48	76	EOD06673	549	7.70E-11	3	56	107	178	0.697368421	Emiliana_huxleyi	Haptophyte	CBM48_EOD06673	Haptophyte	Ehux	Ehux_EOD06673	Ehux_EOD06673
GT4	160	EOD06688	555	2.10E-13	8	154	333	504	0.9125	Emiliana_huxleyi	Haptophyte	GT4_EOD06688	Haptophyte	Ehux	Ehux_EOD06688	Ehux_EOD06688
CBM13	188	EOD06710	154	0.0000043	52	137	39	118	0.45212766	Emiliana_huxleyi	Haptophyte	CBM13_EOD06710	Haptophyte	Ehux	Ehux_EOD06710	Ehux_EOD06710
GH128	224	EOD06751	3181	9.20E-09	74	185	1924	2050	0.495535714	Emiliana_huxleyi	Haptophyte	GH128_EOD06751	Haptophyte	Ehux	Ehux_EOD06751	Ehux_EOD06751
GH16	189	EOD06751	3181	1.70E-45	4	187	1510	1742	0.968253968	Emiliana_huxleyi	Haptophyte	GH16_EOD06751	Haptophyte	Ehux	Ehux_EOD06751	Ehux_EOD06751
GT8	257	EOD06792	377	6.50E-10	114	235	154	304	0.470817121	Emiliana_huxleyi	Haptophyte	GT8_EOD06792	Haptophyte	Ehux	Ehux_EOD06792	Ehux_EOD06792
GT8	257	EOD06799	719	1.50E-20	43	246	85	271	0.789883269	Emiliana_huxleyi	Haptophyte	GT8_EOD06799	Haptophyte	Ehux	Ehux_EOD06799	Ehux_EOD06799
GT31	192	EOD06954	319	3.60E-10	2	117	42	157	0.598958333	Emiliana_huxleyi	Haptophyte	GT31_EOD06954	Haptophyte	Ehux	Ehux_EOD06954	Ehux_EOD06954
GT11	276	EOD06965	266	4.90E-10	102	253	73	214	0.547101449	Emiliana_huxleyi	Haptophyte	GT11_EOD06965	Haptophyte	Ehux	Ehux_EOD06965	Ehux_EOD06965
GH2	752	EOD07028	616	5.50E-55	27	472	13	578	0.591755319	Emiliana_huxleyi	Haptophyte	GH2_EOD07028	Haptophyte	Ehux	Ehux_EOD07028	Ehux_EOD07028
GH63	570	EOD07064	748	1.70E-20	359	564	508	743	0.359649123	Emiliana_huxleyi	Haptophyte	GH63_EOD07064	Haptophyte	Ehux	Ehux_EOD07064	Ehux_EOD07064
GT27	295	EOD07126	496	1.70E-60	1	293	6	289	0.989830509	Emiliana_huxleyi	Haptophyte	GT27_EOD07126	Haptophyte	Ehux	Ehux_EOD07126	Ehux_EOD07126
CE10	341	EOD07142	519	7.20E-27	74	224	81	235	0.439882698	Emiliana_huxleyi	Haptophyte	CE10_EOD07142	Haptophyte	Ehux	Ehux_EOD07142	Ehux_EOD07142
GT8	257	EOD07157	1148	3.40E-27	32	223	570	748	0.743190662	Emiliana_huxleyi	Haptophyte	GT8_EOD07157	Haptophyte	Ehux	Ehux_EOD07157	Ehux_EOD07157
GT8	257	EOD07169	1899	3.70E-28	32	253	280	501	0.859922179	Emiliana_huxleyi	Haptophyte	GT8_EOD07169	Haptophyte	Ehux	Ehux_EOD07169	Ehux_EOD07169
GH128	224	EOD07184	2231	0.000000025	74	162	703	811	0.392857143	Emiliana_huxleyi	Haptophyte	GH128_EOD07184	Haptophyte	Ehux	Ehux_EOD07184	Ehux_EOD07184
GH128	224	EOD07184	2231	0.000000073	79	185	979	1100	0.473214286	Emiliana_huxleyi	Haptophyte	GH128_EOD07184	Haptophyte	Ehux	Ehux_EOD07184	Ehux_EOD07184
GT32	90	EOD07296	657	1.10E-12	16	86	88	155	0.777777778	Emiliana_huxleyi	Haptophyte	GT32_EOD07296	Haptophyte	Ehux	Ehux_EOD07296	Ehux_EOD07296
GT32	90	EOD07316	331	4.00E-13	16	87	86	154	0.788888889	Emiliana_huxleyi	Haptophyte	GT32_EOD07316	Haptophyte	Ehux	Ehux_EOD07316	Ehux_EOD07316
GT32	90	EOD07327	327	3.60E-13	16	87	88	156	0.788888889	Emiliana_huxleyi	Haptophyte	GT32_EOD07327	Haptophyte	Ehux	Ehux_EOD07327	Ehux_EOD07327
GT47	296	EOD07347	467	1.10E-16	173	281	194	316	0.364864865	Emiliana_huxleyi	Haptophyte	GT47_EOD07347	Haptophyte	Ehux	Ehux_EOD07347	Ehux_EOD07347
GT66	693	EOD07366	643	1.80E-74	10	395	11	379	0.555555556	Emiliana_huxleyi	Haptophyte	GT66_EOD07366	Haptophyte	Ehux	Ehux_EOD07366	Ehux_EOD07366
CBM47	128	EOD07368	123	5.10E-17	34	126	29	117	0.71875	Emiliana_huxleyi	Haptophyte	CBM47_EOD07368	Haptophyte	Ehux	Ehux_EOD07368	Ehux_EOD07368
CE13	355	EOD07376	428	4.50E-53	11	348	7	379	0.949295775	Emiliana_huxleyi	Haptophyte	CE13_EOD07376	Haptophyte	Ehux	Ehux_EOD07376	Ehux_EOD07376
GT71	264	EOD07381	356	0.000000012	12	109	87	180	0.367424242	Emiliana_huxleyi	Haptophyte	GT71_EOD07381	Haptophyte	Ehux	Ehux_EOD07381	Ehux_EOD07381
GT8	257	EOD07381	356	7.80E-15	106	245	140	288	0.540856031	Emiliana_huxleyi	Haptophyte	GT8_EOD07381	Haptophyte	Ehux	Ehux_EOD07381	Ehux_EOD07381
GT32	90	EOD07394	650	2.40E-14	7	86	375	450	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_EOD07394	Haptophyte	Ehux	Ehux_EOD07394	Ehux_EOD07394
GH5	275	EOD07499	806	1.70E-31	6	235	35	347	0.832727273	Emiliana_huxleyi	Haptophyte	GH5_EOD07499	Haptophyte	Ehux	Ehux_EOD07499	Ehux_EOD07499
GT8	257	EOD07536	660	3.70E-14	31	198	43	358	0.649805448	Emiliana_huxleyi	Haptophyte	GT8_EOD07536	Haptophyte	Ehux	Ehux_EOD07536	Ehux_EOD07536
CBM47	128	EOD07608	879	5.90E-16	35	126	784	871	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD07608	Haptophyte	Ehux	Ehux_EOD07608	Ehux_EOD07608
CE10	341	EOD07721	181	9.30E-19	174	308	35	181	0.392961877	Emiliana_huxleyi	Haptophyte	CE10_EOD07721	Haptophyte	Ehux	Ehux_EOD07721	Ehux_EOD07721
GH5	275	EOD07803	470	1.30E-20	5	231	12	364	0.821818182	Emiliana_huxleyi	Haptophyte	GH5_EOD07803	Haptophyte	Ehux	Ehux_EOD07803	Ehux_EOD07803
GH33	342	EOD07894	428	2.30E-59	9	340	62	422	0.967836257	Emiliana_huxleyi	Haptophyte	GH33_EOD07894	Haptophyte	Ehux	Ehux_EOD07894	Ehux_EOD07894
GH79	455	EOD07895	432	8.40E-13	4	226	32	245	0.487912088	Emiliana_huxleyi	Haptophyte	GH79_EOD07895	Haptophyte	Ehux	Ehux_EOD07895	Ehux_EOD07895
GT29	247	EOD07902	383	4.90E-26	19	235	98	325	0.874493927	Emiliana_huxleyi	Haptophyte	GT29_EOD07902	Haptophyte	Ehux	Ehux_EOD07902	Ehux_EOD07902
GT20	475	EOD07905	902	4.10E-70	123	399	276	588	0.581052632	Emiliana_huxleyi	Haptophyte	GT20_EOD07905	Haptophyte	Ehux	Ehux_EOD07905	Ehux_EOD07905
GT8	257	EOD07916	477	1.10E-10	118	235	275	407	0.455252918	Emiliana_huxleyi	Haptophyte	GT8_EOD07916	Haptophyte	Ehux	Ehux_EOD07916	Ehux_EOD07916
GH28	325	EOD07948	422	3.30E-33	42	323	78	396	0.864615385	Emiliana_huxleyi	Haptophyte	GH28_EOD07948	Haptophyte	Ehux	Ehux_EOD07948	Ehux_EOD07948
GT4	160	EOD07966	533	1.90E-16	47	125	296	385	0.4875	Emiliana_huxleyi	Haptophyte	GT4_EOD07966	Haptophyte	Ehux	Ehux_EOD07966	Ehux_EOD07966
CBM50	40	EOD07981	283	0.00053	1	21	57	80	0.5	Emiliana_huxleyi	Haptophyte	CBM50_EOD07981	Haptophyte	Ehux	Ehux_EOD07981	Ehux_EOD07981
GH5	275	EOD08062	551	3.40E-24	27	234	151	487	0.752727273	Emiliana_huxleyi	Haptophyte	GH5_EOD08062	Haptophyte	Ehux	Ehux_EOD08062	Ehux_EOD08062
GT1	382	EOD08102	1006	1.40E-19	93	376	6	349	0.740837696	Emiliana_huxleyi	Haptophyte	GT1_EOD08102	Haptophyte	Ehux	Ehux_EOD08102	Ehux_EOD08102
CBM20	90	EOD08119	1093	2.90E-15	3	85	8	93	0.911111111	Emiliana_huxleyi	Haptophyte	CBM20_EOD08119	Haptophyte	Ehux	Ehux_EOD08119	Ehux_EOD08119
CE10	341	EOD08125	654	6.70E-24	82	206	416	549	0.363636364	Emiliana_huxleyi	Haptophyte	CE10_EOD08125	Haptophyte	Ehux	Ehux_EOD08125	Ehux_EOD08125
GT8	257	EOD08126	679	6.80E-27	25	254	278	536	0.891050584	Emiliana_huxleyi	Haptophyte	GT8_EOD08126	Haptophyte	Ehux	Ehux_EOD08126	Ehux_EOD08126
CE4	130	EOD08138	167	7.90E-17	28	125	15	118	0.746153846	Emiliana_huxleyi	Haptophyte	CE4_EOD08138	Haptophyte	Ehux	Ehux_EOD08138	Ehux_EOD08138
AA7	458	EOD08183	335	3.60E-54	13	183	165	335	0.371179039	Emiliana_huxleyi	Haptophyte	AA7_EOD08183	Haptophyte	Ehux	Ehux_EOD08183	Ehux_EOD08183
GT60	330	EOD08192	611	3.80E-82	1	284	280	558	0.857575758	Emiliana_huxleyi	Haptophyte	GT60_EOD08192	Haptophyte	Ehux	Ehux_EOD08192	Ehux_EOD08192
AA7	458	EOD08211	671	1.10E-46	12	452	130	648	0.96069869	Emiliana_huxleyi	Haptophyte	AA7_EOD08211	Haptophyte	Ehux	Ehux_EOD08211	Ehux_EOD08211
GH35	307	EOD08272	900	9.30E-88	1	293	23	384	0.951140065							

GT77	216	EOD08337	279	1.50E-29	3	208	23	253	0.949074074	Emiliana_huxleyi	Haptophyte	GT77_EOD08337	Haptophyte	Ehux	Ehux_EOD08337	Ehux_EOD08337
GT20	475	EOD08354	449	2.30E-147	14	418	1	448	0.850526316	Emiliana_huxleyi	Haptophyte	GT20_EOD08354	Haptophyte	Ehux	Ehux_EOD08354	Ehux_EOD08354
GT90	250	EOD08403	413	1.30E-14	57	191	91	225	0.536	Emiliana_huxleyi	Haptophyte	GT90_EOD08403	Haptophyte	Ehux	Ehux_EOD08403	Ehux_EOD08403
GT90	250	EOD08404	788	9.50E-12	4	250	372	656	0.984	Emiliana_huxleyi	Haptophyte	GT90_EOD08404	Haptophyte	Ehux	Ehux_EOD08404	Ehux_EOD08404
GT77	216	EOD08408	1547	1.20E-41	2	216	1055	1291	0.990740741	Emiliana_huxleyi	Haptophyte	GT77_EOD08408	Haptophyte	Ehux	Ehux_EOD08408	Ehux_EOD08408
GH109	126	EOD08522	423	0.00000017	18	117	29	125	0.785714286	Emiliana_huxleyi	Haptophyte	GH109_EOD08522	Haptophyte	Ehux	Ehux_EOD08522	Ehux_EOD08522
GT47	296	EOD08556	561	7.80E-16	7	236	23	292	0.773648649	Emiliana_huxleyi	Haptophyte	GT47_EOD08556	Haptophyte	Ehux	Ehux_EOD08556	Ehux_EOD08556
GT31	192	EOD08593	776	0.0000013	74	190	582	699	0.604166667	Emiliana_huxleyi	Haptophyte	GT31_EOD08593	Haptophyte	Ehux	Ehux_EOD08593	Ehux_EOD08593
GT60	330	EOD08593	776	8.80E-73	2	328	38	356	0.987878788	Emiliana_huxleyi	Haptophyte	GT60_EOD08593	Haptophyte	Ehux	Ehux_EOD08593	Ehux_EOD08593
GT25	181	EOD08594	292	5.90E-23	4	179	16	197	0.966850829	Emiliana_huxleyi	Haptophyte	GT25_EOD08594	Haptophyte	Ehux	Ehux_EOD08594	Ehux_EOD08594
GH31	427	EOD08616	1000	3.00E-108	5	427	261	774	0.988290398	Emiliana_huxleyi	Haptophyte	GH31_EOD08616	Haptophyte	Ehux	Ehux_EOD08616	Ehux_EOD08616
GT77	216	EOD08624	1370	1.80E-29	7	216	683	979	0.967592593	Emiliana_huxleyi	Haptophyte	GT77_EOD08624	Haptophyte	Ehux	Ehux_EOD08624	Ehux_EOD08624
GT1	382	EOD08687	482	9.90E-28	72	382	74	415	0.811518325	Emiliana_huxleyi	Haptophyte	GT1_EOD08687	Haptophyte	Ehux	Ehux_EOD08687	Ehux_EOD08687
GT2	168	EOD08718	760	1.10E-16	1	117	413	541	0.690476191	Emiliana_huxleyi	Haptophyte	GT2_EOD08718	Haptophyte	Ehux	Ehux_EOD08718	Ehux_EOD08718
GH38	269	EOD08754	857	3.10E-57	1	267	87	401	0.988847584	Emiliana_huxleyi	Haptophyte	GH38_EOD08754	Haptophyte	Ehux	Ehux_EOD08754	Ehux_EOD08754
GT77	216	EOD08763	554	2.10E-40	6	212	1	258	0.953703704	Emiliana_huxleyi	Haptophyte	GT77_EOD08763	Haptophyte	Ehux	Ehux_EOD08763	Ehux_EOD08763
CE10	341	EOD08790	169	3.00E-11	98	215	1	123	0.343108504	Emiliana_huxleyi	Haptophyte	CE10_EOD08790	Haptophyte	Ehux	Ehux_EOD08790	Ehux_EOD08790
GH5	275	EOD08804	401	1.20E-21	35	172	153	347	0.498181818	Emiliana_huxleyi	Haptophyte	GH5_EOD08804	Haptophyte	Ehux	Ehux_EOD08804	Ehux_EOD08804
GT47	296	EOD08851	312	3.60E-28	140	285	87	243	0.489864865	Emiliana_huxleyi	Haptophyte	GT47_EOD08851	Haptophyte	Ehux	Ehux_EOD08851	Ehux_EOD08851
CE2	209	EOD08859	378	4.60E-30	1	207	143	368	0.985645933	Emiliana_huxleyi	Haptophyte	CE2_EOD08859	Haptophyte	Ehux	Ehux_EOD08859	Ehux_EOD08859
AA2	255	EOD08863	252	2.60E-40	21	254	8	243	0.91372549	Emiliana_huxleyi	Haptophyte	AA2_EOD08863	Haptophyte	Ehux	Ehux_EOD08863	Ehux_EOD08863
AA9	220	EOD08895	241	9.60E-15	43	210	36	180	0.759090909	Emiliana_huxleyi	Haptophyte	AA9_EOD08895	Haptophyte	Ehux	Ehux_EOD08895	Ehux_EOD08895
CBM47	128	EOD08908	172	2.60E-16	36	126	79	165	0.703125	Emiliana_huxleyi	Haptophyte	CBM47_EOD08908	Haptophyte	Ehux	Ehux_EOD08908	Ehux_EOD08908
GH5	275	EOD08950	208	3.60E-16	15	128	2	187	0.410909091	Emiliana_huxleyi	Haptophyte	GH5_EOD08950	Haptophyte	Ehux	Ehux_EOD08950	Ehux_EOD08950
GT41	705	EOD09015	536	3.40E-35	303	522	304	482	0.310638298	Emiliana_huxleyi	Haptophyte	GT41_EOD09015	Haptophyte	Ehux	Ehux_EOD09015	Ehux_EOD09015
CBM50	40	EOD09038	203	6.30E-10	1	39	99	140	0.95	Emiliana_huxleyi	Haptophyte	CBM50_EOD09038	Haptophyte	Ehux	Ehux_EOD09038	Ehux_EOD09038
GH5	275	EOD09044	591	1.70E-30	27	225	114	398	0.72	Emiliana_huxleyi	Haptophyte	GH5_EOD09044	Haptophyte	Ehux	Ehux_EOD09044	Ehux_EOD09044
GT2	168	EOD09051	682	0.00000098	28	164	85	216	0.80952381	Emiliana_huxleyi	Haptophyte	GT2_EOD09051	Haptophyte	Ehux	Ehux_EOD09051	Ehux_EOD09051
CE10	341	EOD09154	362	3.00E-34	63	298	95	321	0.68914956	Emiliana_huxleyi	Haptophyte	CE10_EOD09154	Haptophyte	Ehux	Ehux_EOD09154	Ehux_EOD09154
GT4	160	EOD09202	618	3.20E-12	5	117	355	464	0.7	Emiliana_huxleyi	Haptophyte	GT4_EOD09202	Haptophyte	Ehux	Ehux_EOD09202	Ehux_EOD09202
GT95	294	EOD09246	502	1.60E-54	1	292	98	392	0.989795918	Emiliana_huxleyi	Haptophyte	GT95_EOD09246	Haptophyte	Ehux	Ehux_EOD09246	Ehux_EOD09246
AA2	255	EOD09285	341	2.50E-54	20	253	78	332	0.91372549	Emiliana_huxleyi	Haptophyte	AA2_EOD09285	Haptophyte	Ehux	Ehux_EOD09285	Ehux_EOD09285
CE15	269	EOD09301	238	1.20E-21	5	144	14	234	0.516728625	Emiliana_huxleyi	Haptophyte	CE15_EOD09301	Haptophyte	Ehux	Ehux_EOD09301	Ehux_EOD09301
AA3	618	EOD09313	623	0.00000054	91	376	21	579	0.461165049	Emiliana_huxleyi	Haptophyte	AA3_EOD09313	Haptophyte	Ehux	Ehux_EOD09313	Ehux_EOD09313
GH92	491	EOD09329	864	4.70E-73	16	422	378	832	0.82688391	Emiliana_huxleyi	Haptophyte	GH92_EOD09329	Haptophyte	Ehux	Ehux_EOD09329	Ehux_EOD09329
GT32	90	EOD09367	298	1.60E-12	13	85	49	116	0.8	Emiliana_huxleyi	Haptophyte	GT32_EOD09367	Haptophyte	Ehux	Ehux_EOD09367	Ehux_EOD09367
GT23	318	EOD09368	433	9.90E-09	60	284	119	355	0.704402516	Emiliana_huxleyi	Haptophyte	GT23_EOD09368	Haptophyte	Ehux	Ehux_EOD09368	Ehux_EOD09368
GT28	157	EOD09373	456	3.60E-28	1	156	274	440	0.987261147	Emiliana_huxleyi	Haptophyte	GT28_EOD09373	Haptophyte	Ehux	Ehux_EOD09373	Ehux_EOD09373
GT32	90	EOD09391	319	2.60E-09	47	79	271	304	0.355555556	Emiliana_huxleyi	Haptophyte	GT32_EOD09391	Haptophyte	Ehux	Ehux_EOD09391	Ehux_EOD09391
GT7	250	EOD09417	320	7.60E-35	14	205	44	253	0.764	Emiliana_huxleyi	Haptophyte	GT7_EOD09417	Haptophyte	Ehux	Ehux_EOD09417	Ehux_EOD09417
GT34	246	EOD09477	447	3.70E-21	3	157	59	197	0.62601626	Emiliana_huxleyi	Haptophyte	GT34_EOD09477	Haptophyte	Ehux	Ehux_EOD09477	Ehux_EOD09477
GT29	247	EOD09501	305	3.20E-27	48	239	97	295	0.773279352	Emiliana_huxleyi	Haptophyte	GT29_EOD09501	Haptophyte	Ehux	Ehux_EOD09501	Ehux_EOD09501
GT7	250	EOD09511	439	9.70E-30	30	210	51	256	0.72	Emiliana_huxleyi	Haptophyte	GT7_EOD09511	Haptophyte	Ehux	Ehux_EOD09511	Ehux_EOD09511
GT47	296	EOD09523	712	2.10E-16	5	278	345	638	0.922297297	Emiliana_huxleyi	Haptophyte	GT47_EOD09523	Haptophyte	Ehux	Ehux_EOD09523	Ehux_EOD09523
GT8	257	EOD09607	501	0.000000041	32	151	70	205	0.46303502	Emiliana_huxleyi	Haptophyte	GT8_EOD09607	Haptophyte	Ehux	Ehux_EOD09607	Ehux_EOD09607
CBM48	76	EOD09622	285	0.0000004	18	67	29	85	0.644736842	Emiliana_huxleyi	Haptophyte	CBM48_EOD09622	Haptophyte	Ehux	Ehux_EOD09622	Ehux_EOD09622
GT47	296	EOD09633	732	0.00000001	160	261	523	638	0.341216216	Emiliana_huxleyi	Haptophyte	GT47_EOD09633	Haptophyte	Ehux	Ehux_EOD09633	Ehux_EOD09633
GT31	192	EOD09670	209	5.10E-16	8	116	42	168	0.5625	Emiliana_huxleyi	Haptophyte	GT31_EOD09670	Haptophyte	Ehux	Ehux_EOD09670	Ehux_EOD09670
GT31	192	EOD09687	659	0.000000027	66	182	66	216	0.604166667	Emiliana_huxleyi	Haptophyte	GT31_EOD09687	Haptophyte	Ehux	Ehux_EOD09687	Ehux_EOD09687
CBM47	128	EOD09689	501	0.000000015	42	127	413	497	0.6640625	Emiliana_huxleyi	Haptophyte	CBM47_EOD09689	Haptophyte	Ehux	Ehux_EOD09689	Ehux_EOD09689
CBM1	29	EOD09738	266	3.70E-12	1	29	174	202	0.965517241	Emiliana_huxleyi	Haptophyte	CBM1_EOD09738	Haptophyte	Ehux	Ehux_EOD09738	Ehux_EOD09738
GT25	181	EOD09762	561	9.90E-15	4	170	319	481	0.917127072	Emiliana_huxleyi	Haptophyte	GT25_EOD09762	Haptophyte	Ehux	Ehux_EOD09762	Ehux_EOD09762
CBM9	182	EOD09780	397	6.70E-32	2	152	25	208	0.824175824	Emiliana_huxleyi	Haptophyte	CBM9_EOD09780	Haptophyte	Ehux	Ehux_EOD09780	Ehux_EOD09780
CBM47	128	EOD09785	1198	2.30E-15	35	126	746	833	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD09785	Haptophyte	Ehux	Ehux_EOD09785	Ehux_EOD09785
CBM47	128	EOD09785	1198	3.30E-15	36	126	626	712	0.703125	Emiliana_huxleyi	Haptophyte	CBM47_EOD09785	Haptophyte	Ehux	Ehux_EOD09785	Ehux_EOD09785
GT32	90	EOD09830	294	6.40E-15	5	87	49	126	0.911111111	Emiliana_huxleyi	Haptophyte	GT32_EOD09830	Haptophyte	Ehux	Ehux_EOD09830	Ehux_EOD09830
CBM47	128	EOD09882	249	2.90E-16	35	126	54	141	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD09882	Haptophyte	Ehux	Ehux_EOD09882	Ehux_EOD09882
CBM47	128	EOD09882	249	8.00E-10	35	112	175	249	0.6015625	Emiliana_huxleyi	Haptophyte	CBM47_EOD09882	Haptophyte	Ehux	Ehux_EOD09882	Ehux_EOD09882
CE10	341	EOD09931	641	1.30E-16	94	316	330	580	0.651026393	Emiliana_huxleyi	Haptophyte	CE10_EOD09931	Haptophyte	Ehux	Ehux_EOD09931	Ehux_EOD09931
CE10	341	EOD09945	738	0.000000001	141	316	233	423	0.513196481	Emiliana_huxleyi	Haptophyte	CE10_EOD09945	Haptophyte	Ehux	Ehux_EOD09945	Ehux_EOD09945
AA7	458	EOD09958	479	3.00E-74	5	458	28	468	0.989082969	Emiliana_huxleyi	Haptophyte	AA7_EOD09958	Haptophyte	Ehux	Ehux_EOD09958	Ehux_EOD09958
CE10	341	EOD09969	226	4.40E-18	76	187	102	208	0.325513197	Emiliana_huxleyi	Haptophyte	CE10_EOD09969	Haptophyte	Ehux	Ehux_EOD09969	Ehux_EOD09969
GH27	375	EOD09997	423	3.10E-26	132	340	125	322	0.554666667	Emiliana_huxleyi	Haptophyte	GH27_EOD09997	Haptophyte	Ehux	Ehux_EOD09997	Ehux_EOD09997
GT77	216	EOD10003	705	2.10E-27	5	216	147	400	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD10003	Haptophyte	Ehux	Ehux_EOD10003	Ehux_EOD10003
GT31	192	EOD10030	368	9.90E-35	2	179	52	237	0.921875	Emiliana_huxleyi	Haptophyte	GT31_EOD10030	Haptophyte	Ehux	Ehux_EOD10030	Ehux_EOD10030
GT77	216	EOD10122	764	6.80E-36	2	210	121	412	0.962962963	Emiliana_huxleyi	Haptophyte	GT77_EOD10122	Haptophyte	Ehux	Ehux_EOD10122	Ehux_EOD10122
GH47	446	EOD10148	549	4.90E-134	1	446	46	495	0.997757848	Emiliana_huxleyi	Haptophyte	GH47_EOD10148	Haptophyte	Ehux	Ehux_EOD10148	Ehux_EOD10148
CE10	341	EOD10175	1124	1.90E-22	93	326	485	741	0.683284458	Emiliana_huxleyi	Haptophyte	CE10_EOD10175	Haptophyte	Ehux	Ehux_EOD10175	Ehux_EOD10175
CE10	341	EOD10186	1124	1.90E-22	93	326	485	741	0.683284458	Emiliana_huxleyi	Haptophyte	CE10_EOD10186	Haptophyte	Ehux	Ehux_EOD10186	Ehux_EOD10186
CE1	227	EOD10188	297	4.20E-19	11	140	10	188	0.568281938	Emiliana_huxleyi	Haptophyte	CE1_EOD10188	Haptophyte	Ehux	Ehux_EOD10188	Ehux_EOD10188
GH128	224	EOD10198	208	2.00E-29	27	200	7	196	0.772321429	Emiliana_huxleyi	Haptophyte					

GT2	168	EOD10206	341	1.80E-19	2	166	81	258	0.976190476	Emiliana_huxleyi	Haptophyte	GT2_EOD10206	Haptophyte	Ehux	Ehux_EOD10206	Ehux_EOD10206
CE1	227	EOD10217	201	4.60E-19	26	143	1	130	0.515418502	Emiliana_huxleyi	Haptophyte	CE1_EOD10217	Haptophyte	Ehux	Ehux_EOD10217	Ehux_EOD10217
CE13	355	EOD10220	484	5.40E-22	25	184	91	250	0.447887324	Emiliana_huxleyi	Haptophyte	CE13_EOD10220	Haptophyte	Ehux	Ehux_EOD10220	Ehux_EOD10220
CE10	341	EOD10234	641	4.90E-16	94	316	330	580	0.651026393	Emiliana_huxleyi	Haptophyte	CE10_EOD10234	Haptophyte	Ehux	Ehux_EOD10234	Ehux_EOD10234
GT58	364	EOD10317	404	6.80E-103	3	364	20	373	0.991758242	Emiliana_huxleyi	Haptophyte	GT58_EOD10317	Haptophyte	Ehux	Ehux_EOD10317	Ehux_EOD10317
GT12	134	EOD10356	258	8.30E-22	7	97	31	123	0.671641791	Emiliana_huxleyi	Haptophyte	GT12_EOD10356	Haptophyte	Ehux	Ehux_EOD10356	Ehux_EOD10356
GT31	192	EOD10380	499	8.50E-20	2	183	58	279	0.942708333	Emiliana_huxleyi	Haptophyte	GT31_EOD10380	Haptophyte	Ehux	Ehux_EOD10380	Ehux_EOD10380
GT31	192	EOD10401	424	8.70E-14	4	165	57	229	0.838541667	Emiliana_huxleyi	Haptophyte	GT31_EOD10401	Haptophyte	Ehux	Ehux_EOD10401	Ehux_EOD10401
GT64	248	EOD10426	401	2.20E-64	2	233	49	280	0.931451613	Emiliana_huxleyi	Haptophyte	GT64_EOD10426	Haptophyte	Ehux	Ehux_EOD10426	Ehux_EOD10426
CE1	227	EOD10436	307	0.00000085	21	140	37	166	0.524229075	Emiliana_huxleyi	Haptophyte	CE1_EOD10436	Haptophyte	Ehux	Ehux_EOD10436	Ehux_EOD10436
GT47	296	EOD10481	428	4.00E-27	6	272	38	341	0.898648649	Emiliana_huxleyi	Haptophyte	GT47_EOD10481	Haptophyte	Ehux	Ehux_EOD10481	Ehux_EOD10481
CE10	341	EOD10497	291	1.50E-13	167	292	6	176	0.366568915	Emiliana_huxleyi	Haptophyte	CE10_EOD10497	Haptophyte	Ehux	Ehux_EOD10497	Ehux_EOD10497
GT13	395	EOD10530	410	1.90E-91	26	390	47	397	0.921518987	Emiliana_huxleyi	Haptophyte	GT13_EOD10530	Haptophyte	Ehux	Ehux_EOD10530	Ehux_EOD10530
CE10	341	EOD10547	787	5.00E-27	76	208	132	290	0.387096774	Emiliana_huxleyi	Haptophyte	CE10_EOD10547	Haptophyte	Ehux	Ehux_EOD10547	Ehux_EOD10547
CE10	341	EOD10572	527	7.30E-19	84	322	45	294	0.697947214	Emiliana_huxleyi	Haptophyte	CE10_EOD10572	Haptophyte	Ehux	Ehux_EOD10572	Ehux_EOD10572
CBM47	128	EOD10590	115	8.60E-15	40	126	28	110	0.671875	Emiliana_huxleyi	Haptophyte	CBM47_EOD10590	Haptophyte	Ehux	Ehux_EOD10590	Ehux_EOD10590
GT77	216	EOD10601	371	0.0000088	4	86	165	259	0.37962963	Emiliana_huxleyi	Haptophyte	GT77_EOD10601	Haptophyte	Ehux	Ehux_EOD10601	Ehux_EOD10601
CBM32	124	EOD10655	910	2.00E-16	8	108	675	791	0.806451613	Emiliana_huxleyi	Haptophyte	CBM32_EOD10655	Haptophyte	Ehux	Ehux_EOD10655	Ehux_EOD10655
GH43	248	EOD10655	910	1.40E-29	8	246	371	656	0.959677419	Emiliana_huxleyi	Haptophyte	GH43_EOD10655	Haptophyte	Ehux	Ehux_EOD10655	Ehux_EOD10655
GH51	630	EOD10656	730	5.30E-28	141	517	190	569	0.596825397	Emiliana_huxleyi	Haptophyte	GH51_EOD10656	Haptophyte	Ehux	Ehux_EOD10656	Ehux_EOD10656
CE1	227	EOD10709	327	4.50E-09	5	191	40	287	0.81938326	Emiliana_huxleyi	Haptophyte	CE1_EOD10709	Haptophyte	Ehux	Ehux_EOD10709	Ehux_EOD10709
GT60	330	EOD10822	581	1.70E-66	1	328	206	565	0.990909091	Emiliana_huxleyi	Haptophyte	GT60_EOD10822	Haptophyte	Ehux	Ehux_EOD10822	Ehux_EOD10822
CE1	227	EOD10832	327	4.50E-09	5	191	40	287	0.81938326	Emiliana_huxleyi	Haptophyte	CE1_EOD10832	Haptophyte	Ehux	Ehux_EOD10832	Ehux_EOD10832
GT31	192	EOD10837	352	7.90E-23	2	182	31	213	0.9375	Emiliana_huxleyi	Haptophyte	GT31_EOD10837	Haptophyte	Ehux	Ehux_EOD10837	Ehux_EOD10837
AA7	458	EOD10840	913	5.90E-55	8	211	70	281	0.443231441	Emiliana_huxleyi	Haptophyte	AA7_EOD10840	Haptophyte	Ehux	Ehux_EOD10840	Ehux_EOD10840
GH33	342	EOD10891	480	9.70E-47	15	264	34	281	0.728070175	Emiliana_huxleyi	Haptophyte	GH33_EOD10891	Haptophyte	Ehux	Ehux_EOD10891	Ehux_EOD10891
CE1	227	EOD10901	312	3.30E-33	8	221	37	305	0.938325991	Emiliana_huxleyi	Haptophyte	CE1_EOD10901	Haptophyte	Ehux	Ehux_EOD10901	Ehux_EOD10901
CE6	99	EOD10902	644	0.000056	45	96	359	404	0.515151515	Emiliana_huxleyi	Haptophyte	CE6_EOD10902	Haptophyte	Ehux	Ehux_EOD10902	Ehux_EOD10902
CE6	99	EOD10902	644	0.0006	4	42	209	245	0.383838384	Emiliana_huxleyi	Haptophyte	CE6_EOD10902	Haptophyte	Ehux	Ehux_EOD10902	Ehux_EOD10902
GT31	192	EOD10912	210	0.00000069	2	98	80	176	0.5	Emiliana_huxleyi	Haptophyte	GT31_EOD10912	Haptophyte	Ehux	Ehux_EOD10912	Ehux_EOD10912
GH3	216	EOD10936	646	5.10E-49	5	183	115	310	0.824074074	Emiliana_huxleyi	Haptophyte	GH3_EOD10936	Haptophyte	Ehux	Ehux_EOD10936	Ehux_EOD10936
CE1	227	EOD10996	363	0.000000036	11	174	42	251	0.718061674	Emiliana_huxleyi	Haptophyte	CE1_EOD10996	Haptophyte	Ehux	Ehux_EOD10996	Ehux_EOD10996
GH3	216	EOD11024	739	2.60E-28	6	119	79	224	0.523148148	Emiliana_huxleyi	Haptophyte	GH3_EOD11024	Haptophyte	Ehux	Ehux_EOD11024	Ehux_EOD11024
CE1	227	EOD11031	878	0.000000059	26	142	248	378	0.511013216	Emiliana_huxleyi	Haptophyte	CE1_EOD11031	Haptophyte	Ehux	Ehux_EOD11031	Ehux_EOD11031
GH43	248	EOD11032	259	1.30E-12	12	189	25	254	0.713709677	Emiliana_huxleyi	Haptophyte	GH43_EOD11032	Haptophyte	Ehux	Ehux_EOD11032	Ehux_EOD11032
GT8	257	EOD11055	218	2.80E-13	37	223	30	184	0.723735409	Emiliana_huxleyi	Haptophyte	GT8_EOD11055	Haptophyte	Ehux	Ehux_EOD11055	Ehux_EOD11055
GT95	294	EOD11057	673	4.40E-46	1	292	49	347	0.989795918	Emiliana_huxleyi	Haptophyte	GT95_EOD11057	Haptophyte	Ehux	Ehux_EOD11057	Ehux_EOD11057
GT77	216	EOD11059	862	1.30E-46	2	211	193	413	0.967592593	Emiliana_huxleyi	Haptophyte	GT77_EOD11059	Haptophyte	Ehux	Ehux_EOD11059	Ehux_EOD11059
GT77	216	EOD11059	862	2.80E-20	24	208	566	771	0.851851852	Emiliana_huxleyi	Haptophyte	GT77_EOD11059	Haptophyte	Ehux	Ehux_EOD11059	Ehux_EOD11059
GT20	475	EOD11065	1513	3.20E-117	10	473	337	781	0.974736842	Emiliana_huxleyi	Haptophyte	GT20_EOD11065	Haptophyte	Ehux	Ehux_EOD11065	Ehux_EOD11065
CE6	99	EOD11116	627	2.60E-11	5	84	170	250	0.797979798	Emiliana_huxleyi	Haptophyte	CE6_EOD11116	Haptophyte	Ehux	Ehux_EOD11116	Ehux_EOD11116
GH3	216	EOD11130	906	1.30E-61	8	207	91	308	0.921296296	Emiliana_huxleyi	Haptophyte	GH3_EOD11130	Haptophyte	Ehux	Ehux_EOD11130	Ehux_EOD11130
CBM32	124	EOD11151	901	0.000000013	34	112	759	844	0.629032258	Emiliana_huxleyi	Haptophyte	CBM32_EOD11151	Haptophyte	Ehux	Ehux_EOD11151	Ehux_EOD11151
GT1	382	EOD11172	477	1.00E-24	159	381	184	475	0.581151833	Emiliana_huxleyi	Haptophyte	GT1_EOD11172	Haptophyte	Ehux	Ehux_EOD11172	Ehux_EOD11172
GT47	296	EOD11283	398	2.40E-15	3	263	34	288	0.878378378	Emiliana_huxleyi	Haptophyte	GT47_EOD11283	Haptophyte	Ehux	Ehux_EOD11283	Ehux_EOD11283
GT90	250	EOD11309	537	1.00E-28	20	242	218	457	0.888	Emiliana_huxleyi	Haptophyte	GT90_EOD11309	Haptophyte	Ehux	Ehux_EOD11309	Ehux_EOD11309
GH43	248	EOD11363	378	1.40E-21	21	189	43	255	0.677419355	Emiliana_huxleyi	Haptophyte	GH43_EOD11363	Haptophyte	Ehux	Ehux_EOD11363	Ehux_EOD11363
GT90	250	EOD11382	191	1.20E-17	61	223	9	161	0.648	Emiliana_huxleyi	Haptophyte	GT90_EOD11382	Haptophyte	Ehux	Ehux_EOD11382	Ehux_EOD11382
GT8	257	EOD11389	980	1.80E-16	89	252	673	851	0.634241245	Emiliana_huxleyi	Haptophyte	GT8_EOD11389	Haptophyte	Ehux	Ehux_EOD11389	Ehux_EOD11389
GH16	189	EOD11391	567	3.70E-30	3	189	238	564	0.984126984	Emiliana_huxleyi	Haptophyte	GH16_EOD11391	Haptophyte	Ehux	Ehux_EOD11391	Ehux_EOD11391
GT2	168	EOD11593	738	0.000000043	26	104	45	131	0.464285714	Emiliana_huxleyi	Haptophyte	GT2_EOD11593	Haptophyte	Ehux	Ehux_EOD11593	Ehux_EOD11593
CE2	209	EOD11629	256	1.80E-23	1	207	128	345	0.985645933	Emiliana_huxleyi	Haptophyte	CE2_EOD11629	Haptophyte	Ehux	Ehux_EOD11629	Ehux_EOD11629
GH18	296	EOD11629	736	1.60E-21	3	195	438	676	0.648648649	Emiliana_huxleyi	Haptophyte	GH18_EOD11629	Haptophyte	Ehux	Ehux_EOD11629	Ehux_EOD11629
GT49	247	EOD11671	373	3.10E-11	16	245	127	371	0.927125506	Emiliana_huxleyi	Haptophyte	GT49_EOD11671	Haptophyte	Ehux	Ehux_EOD11671	Ehux_EOD11671
CBM1	29	EOD11687	80	3.10E-10	1	24	47	70	0.793103448	Emiliana_huxleyi	Haptophyte	CBM1_EOD11687	Haptophyte	Ehux	Ehux_EOD11687	Ehux_EOD11687
CBM1	29	EOD11687	80	2.50E-09	2	22	1	21	0.689655172	Emiliana_huxleyi	Haptophyte	CBM1_EOD11687	Haptophyte	Ehux	Ehux_EOD11687	Ehux_EOD11687
GT95	294	EOD11724	377	1.20E-23	1	101	265	377	0.340136054	Emiliana_huxleyi	Haptophyte	GT95_EOD11724	Haptophyte	Ehux	Ehux_EOD11724	Ehux_EOD11724
GT77	216	EOD11730	453	1.00E-24	2	213	67	304	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD11730	Haptophyte	Ehux	Ehux_EOD11730	Ehux_EOD11730
GH5	275	EOD11770	806	1.70E-31	6	235	35	347	0.832727273	Emiliana_huxleyi	Haptophyte	GH5_EOD11770	Haptophyte	Ehux	Ehux_EOD11770	Ehux_EOD11770
CE10	341	EOD11808	724	5.50E-16	93	316	480	691	0.653958944	Emiliana_huxleyi	Haptophyte	CE10_EOD11808	Haptophyte	Ehux	Ehux_EOD11808	Ehux_EOD11808
GT32	90	EOD11823	170	1.40E-09	52	80	3	31	0.311111111	Emiliana_huxleyi	Haptophyte	GT32_EOD11823	Haptophyte	Ehux	Ehux_EOD11823	Ehux_EOD11823
GT24	248	EOD11830	807	2.30E-98	2	248	526	772	0.991935484	Emiliana_huxleyi	Haptophyte	GT24_EOD11830	Haptophyte	Ehux	Ehux_EOD11830	Ehux_EOD11830
GT32	90	EOD11843	337	7.50E-13	10	86	112	186	0.844444444	Emiliana_huxleyi	Haptophyte	GT32_EOD11843	Haptophyte	Ehux	Ehux_EOD11843	Ehux_EOD11843
GT32	90	EOD11860	190	0.0000048	59	88	1	30	0.322222222	Emiliana_huxleyi	Haptophyte	GT32_EOD11860	Haptophyte	Ehux	Ehux_EOD11860	Ehux_EOD11860
CE13	355	EOD11906	428	4.00E-53	10	348	6	379	0.952112676	Emiliana_huxleyi	Haptophyte	CE13_EOD11906	Haptophyte	Ehux	Ehux_EOD11906	Ehux_EOD11906
GT95	294	EOD12016	164	1.50E-39	67	216	4	157	0.506802721	Emiliana_huxleyi	Haptophyte	GT95_EOD12016	Haptophyte	Ehux	Ehux_EOD12016	Ehux_EOD12016
CBM48	76	EOD12063	263	0.0000995	16	61	44	101	0.592105263	Emiliana_huxleyi	Haptophyte	CBM48_EOD12063	Haptophyte	Ehux	Ehux_EOD12063	Ehux_EOD12063
GH7	415	EOD12066	320	1.60E-14	202	375	97	240	0.41686747	Emiliana_huxleyi	Haptophyte	GH7_EOD12066	Haptophyte	Ehux	Ehux_EOD12066	Ehux_EOD12066
CE10	341	EOD12126	314	3.60E-11	80	204	17	198	0.363636364	Emiliana_huxleyi	Haptophyte	CE10_EOD12126	Haptophyte	Ehux	Ehux_EOD12126	Ehux_EOD12126
GT47	296	EOD12145	484	1.80E-18	36	270	136	377	0.790540541	Emiliana_huxleyi	Haptophyte	GT47_EOD12145	Haptophyte	Ehux	Ehux_EOD12145	Ehux_EOD12145
GT8	257	EOD12151	198	3.10E-14	110	246	22	161	0.529182879	Emiliana_huxleyi	Haptophyte	GT8_EOD1				

GT2	168	EOD12168	523	6.00E-20	1	123	102	249	0.726190476	Emiliana_huxleyi	Haptophyte	GT2_EOD12168	Haptophyte	Ehux	Ehux_EOD12168	Ehux_EOD12168
GT31	192	EOD12178	244	3.20E-25	2	183	36	218	0.942708333	Emiliana_huxleyi	Haptophyte	GT31_EOD12178	Haptophyte	Ehux	Ehux_EOD12178	Ehux_EOD12178
GH43	248	EOD12308	349	6.40E-21	24	203	27	241	0.721774194	Emiliana_huxleyi	Haptophyte	GH43_EOD12308	Haptophyte	Ehux	Ehux_EOD12308	Ehux_EOD12308
CE1	227	EOD12309	344	0.00000067	103	174	116	184	0.31277533	Emiliana_huxleyi	Haptophyte	CE1_EOD12309	Haptophyte	Ehux	Ehux_EOD12309	Ehux_EOD12309
GT32	90	EOD12338	179	6.10E-11	53	88	42	77	0.388888889	Emiliana_huxleyi	Haptophyte	GT32_EOD12338	Haptophyte	Ehux	Ehux_EOD12338	Ehux_EOD12338
CE10	341	EOD12388	500	2.70E-40	66	193	67	203	0.372434018	Emiliana_huxleyi	Haptophyte	CE10_EOD12388	Haptophyte	Ehux	Ehux_EOD12388	Ehux_EOD12388
CE1	227	EOD12410	1093	9.40E-11	8	143	206	382	0.594713656	Emiliana_huxleyi	Haptophyte	CE1_EOD12410	Haptophyte	Ehux	Ehux_EOD12410	Ehux_EOD12410
GH127	524	EOD12448	1036	0.000000011	127	465	230	645	0.645038168	Emiliana_huxleyi	Haptophyte	GH127_EOD12448	Haptophyte	Ehux	Ehux_EOD12448	Ehux_EOD12448
CE10	341	EOD12463	292	0.00000076	176	309	103	245	0.390029326	Emiliana_huxleyi	Haptophyte	CE10_EOD12463	Haptophyte	Ehux	Ehux_EOD12463	Ehux_EOD12463
GT25	181	EOD12471	624	1.90E-17	5	172	351	539	0.922651934	Emiliana_huxleyi	Haptophyte	GT25_EOD12471	Haptophyte	Ehux	Ehux_EOD12471	Ehux_EOD12471
GT32	90	EOD12471	624	1.40E-10	6	89	45	120	0.922222222	Emiliana_huxleyi	Haptophyte	GT32_EOD12471	Haptophyte	Ehux	Ehux_EOD12471	Ehux_EOD12471
CE10	341	EOD12495	360	2.90E-16	72	314	26	310	0.709677419	Emiliana_huxleyi	Haptophyte	CE10_EOD12495	Haptophyte	Ehux	Ehux_EOD12495	Ehux_EOD12495
GT77	216	EOD12546	1457	2.00E-41	3	215	362	604	0.981481482	Emiliana_huxleyi	Haptophyte	GT77_EOD12546	Haptophyte	Ehux	Ehux_EOD12546	Ehux_EOD12546
GH28	325	EOD12567	161	5.20E-09	213	321	3	140	0.332307692	Emiliana_huxleyi	Haptophyte	GH28_EOD12567	Haptophyte	Ehux	Ehux_EOD12567	Ehux_EOD12567
GH18	296	EOD12581	165	2.20E-17	142	288	5	128	0.493243243	Emiliana_huxleyi	Haptophyte	GH18_EOD12581	Haptophyte	Ehux	Ehux_EOD12581	Ehux_EOD12581
GH5	275	EOD12600	454	8.70E-20	39	230	89	367	0.694545455	Emiliana_huxleyi	Haptophyte	GH5_EOD12600	Haptophyte	Ehux	Ehux_EOD12600	Ehux_EOD12600
CE1	227	EOD12641	283	3.40E-47	1	225	23	280	0.986784141	Emiliana_huxleyi	Haptophyte	CE1_EOD12641	Haptophyte	Ehux	Ehux_EOD12641	Ehux_EOD12641
GH5	275	EOD12643	609	8.70E-23	10	230	174	485	0.8	Emiliana_huxleyi	Haptophyte	GH5_EOD12643	Haptophyte	Ehux	Ehux_EOD12643	Ehux_EOD12643
GH3	216	EOD12685	570	2.50E-44	4	199	57	259	0.902777778	Emiliana_huxleyi	Haptophyte	GH3_EOD12685	Haptophyte	Ehux	Ehux_EOD12685	Ehux_EOD12685
GH17	311	EOD12696	331	1.10E-39	13	305	25	329	0.938906752	Emiliana_huxleyi	Haptophyte	GH17_EOD12696	Haptophyte	Ehux	Ehux_EOD12696	Ehux_EOD12696
GH2	752	EOD12843	1128	6.90E-153	18	751	51	985	0.974734043	Emiliana_huxleyi	Haptophyte	GH2_EOD12843	Haptophyte	Ehux	Ehux_EOD12843	Ehux_EOD12843
GT77	216	EOD12861	707	3.50E-37	3	211	56	350	0.962962963	Emiliana_huxleyi	Haptophyte	GT77_EOD12861	Haptophyte	Ehux	Ehux_EOD12861	Ehux_EOD12861
GT77	216	EOD12865	1457	6.50E-41	3	215	362	604	0.981481482	Emiliana_huxleyi	Haptophyte	GT77_EOD12865	Haptophyte	Ehux	Ehux_EOD12865	Ehux_EOD12865
CE6	99	EOD12880	308	0.00032	7	62	91	164	0.555555556	Emiliana_huxleyi	Haptophyte	CE6_EOD12880	Haptophyte	Ehux	Ehux_EOD12880	Ehux_EOD12880
CE10	341	EOD12895	1046	6.80E-13	53	185	340	481	0.387096774	Emiliana_huxleyi	Haptophyte	CE10_EOD12895	Haptophyte	Ehux	Ehux_EOD12895	Ehux_EOD12895
GT4	160	EOD12916	1610	9.10E-16	7	128	1406	1537	0.75625	Emiliana_huxleyi	Haptophyte	GT4_EOD12916	Haptophyte	Ehux	Ehux_EOD12916	Ehux_EOD12916
AA7	458	EOD12928	507	5.60E-40	7	188	35	218	0.395196507	Emiliana_huxleyi	Haptophyte	AA7_EOD12928	Haptophyte	Ehux	Ehux_EOD12928	Ehux_EOD12928
CBM47	128	EOD12988	138	6.10E-17	35	126	31	118	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD12988	Haptophyte	Ehux	Ehux_EOD12988	Ehux_EOD12988
GT2	168	EOD12990	588	3.50E-10	2	108	152	280	0.630952381	Emiliana_huxleyi	Haptophyte	GT2_EOD12990	Haptophyte	Ehux	Ehux_EOD12990	Ehux_EOD12990
CBM47	128	EOD13007	326	4.50E-16	36	126	237	323	0.703125	Emiliana_huxleyi	Haptophyte	CBM47_EOD13007	Haptophyte	Ehux	Ehux_EOD13007	Ehux_EOD13007
PL7	231	EOD13007	326	3.00E-27	30	228	4	205	0.857142857	Emiliana_huxleyi	Haptophyte	PL7_EOD13007	Haptophyte	Ehux	Ehux_EOD13007	Ehux_EOD13007
GT2	168	EOD13040	169	1.70E-25	1	99	26	130	0.583333333	Emiliana_huxleyi	Haptophyte	GT2_EOD13040	Haptophyte	Ehux	Ehux_EOD13040	Ehux_EOD13040
GH5	275	EOD13056	591	1.90E-30	27	225	114	398	0.72	Emiliana_huxleyi	Haptophyte	GH5_EOD13056	Haptophyte	Ehux	Ehux_EOD13056	Ehux_EOD13056
GT8	257	EOD13072	1023	1.50E-16	98	252	702	871	0.59922179	Emiliana_huxleyi	Haptophyte	GT8_EOD13072	Haptophyte	Ehux	Ehux_EOD13072	Ehux_EOD13072
GH16	189	EOD13075	577	2.30E-29	3	189	238	574	0.984126984	Emiliana_huxleyi	Haptophyte	GH16_EOD13075	Haptophyte	Ehux	Ehux_EOD13075	Ehux_EOD13075
CE10	341	EOD13126	348	1.80E-34	63	298	81	307	0.68914956	Emiliana_huxleyi	Haptophyte	CE10_EOD13126	Haptophyte	Ehux	Ehux_EOD13126	Ehux_EOD13126
GT23	318	EOD13200	442	0.00000067	164	283	260	372	0.374213837	Emiliana_huxleyi	Haptophyte	GT23_EOD13200	Haptophyte	Ehux	Ehux_EOD13200	Ehux_EOD13200
GH79	455	EOD13203	566	8.70E-27	1	194	19	223	0.424175824	Emiliana_huxleyi	Haptophyte	GH79_EOD13203	Haptophyte	Ehux	Ehux_EOD13203	Ehux_EOD13203
GT8	257	EOD13272	424	3.70E-26	29	254	56	336	0.875486381	Emiliana_huxleyi	Haptophyte	GT8_EOD13272	Haptophyte	Ehux	Ehux_EOD13272	Ehux_EOD13272
GT2	168	EOD13296	123	0.000000017	1	97	7	118	0.571428571	Emiliana_huxleyi	Haptophyte	GT2_EOD13296	Haptophyte	Ehux	Ehux_EOD13296	Ehux_EOD13296
GT65	340	EOD13362	462	0.000000036	206	334	1	130	0.376470588	Emiliana_huxleyi	Haptophyte	GT65_EOD13362	Haptophyte	Ehux	Ehux_EOD13362	Ehux_EOD13362
GT8	257	EOD13362	462	0.000000094	108	194	264	352	0.33463035	Emiliana_huxleyi	Haptophyte	GT8_EOD13362	Haptophyte	Ehux	Ehux_EOD13362	Ehux_EOD13362
GT8	257	EOD13442	1012	2.10E-22	18	255	365	612	0.922178988	Emiliana_huxleyi	Haptophyte	GT8_EOD13442	Haptophyte	Ehux	Ehux_EOD13442	Ehux_EOD13442
GH5	275	EOD13518	684	1.80E-34	25	235	372	660	0.763636364	Emiliana_huxleyi	Haptophyte	GH5_EOD13518	Haptophyte	Ehux	Ehux_EOD13518	Ehux_EOD13518
GH5	275	EOD13773	531	4.90E-39	30	243	76	405	0.774545455	Emiliana_huxleyi	Haptophyte	GH5_EOD13773	Haptophyte	Ehux	Ehux_EOD13773	Ehux_EOD13773
GT32	90	EOD13775	778	1.60E-14	3	85	280	358	0.911111111	Emiliana_huxleyi	Haptophyte	GT32_EOD13775	Haptophyte	Ehux	Ehux_EOD13775	Ehux_EOD13775
GH1	429	EOD13795	538	4.00E-149	3	423	69	534	0.979020979	Emiliana_huxleyi	Haptophyte	GH1_EOD13795	Haptophyte	Ehux	Ehux_EOD13795	Ehux_EOD13795
GH5	275	EOD13819	733	3.80E-44	8	241	94	410	0.847272727	Emiliana_huxleyi	Haptophyte	GH5_EOD13819	Haptophyte	Ehux	Ehux_EOD13819	Ehux_EOD13819
CBM47	128	EOD13991	273	3.50E-16	35	126	109	196	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD13991	Haptophyte	Ehux	Ehux_EOD13991	Ehux_EOD13991
CBM47	128	EOD13991	273	2.30E-11	35	76	230	271	0.3203125	Emiliana_huxleyi	Haptophyte	CBM47_EOD13991	Haptophyte	Ehux	Ehux_EOD13991	Ehux_EOD13991
GH10	303	EOD13997	554	4.50E-87	9	301	154	470	0.96369637	Emiliana_huxleyi	Haptophyte	GH10_EOD13997	Haptophyte	Ehux	Ehux_EOD13997	Ehux_EOD13997
GT2	168	EOD14088	487	1.70E-10	1	116	11	193	0.68452381	Emiliana_huxleyi	Haptophyte	GT2_EOD14088	Haptophyte	Ehux	Ehux_EOD14088	Ehux_EOD14088
CE10	341	EOD14115	382	0.000000018	65	213	49	227	0.434017595	Emiliana_huxleyi	Haptophyte	CE10_EOD14115	Haptophyte	Ehux	Ehux_EOD14115	Ehux_EOD14115
GT29	247	EOD14116	393	1.20E-24	26	200	134	289	0.704453441	Emiliana_huxleyi	Haptophyte	GT29_EOD14116	Haptophyte	Ehux	Ehux_EOD14116	Ehux_EOD14116
GT25	181	EOD14123	417	7.80E-17	56	180	215	355	0.685082873	Emiliana_huxleyi	Haptophyte	GT25_EOD14123	Haptophyte	Ehux	Ehux_EOD14123	Ehux_EOD14123
CE1	227	EOD14143	238	1.80E-10	8	134	11	164	0.555066079	Emiliana_huxleyi	Haptophyte	CE1_EOD14143	Haptophyte	Ehux	Ehux_EOD14143	Ehux_EOD14143
CE10	341	EOD14148	243	6.00E-25	43	190	82	227	0.431085044	Emiliana_huxleyi	Haptophyte	CE10_EOD14148	Haptophyte	Ehux	Ehux_EOD14148	Ehux_EOD14148
CE10	341	EOD14149	430	3.80E-17	95	316	203	399	0.648093842	Emiliana_huxleyi	Haptophyte	CE10_EOD14149	Haptophyte	Ehux	Ehux_EOD14149	Ehux_EOD14149
GT31	192	EOD14208	631	3.00E-18	35	191	381	567	0.8125	Emiliana_huxleyi	Haptophyte	GT31_EOD14208	Haptophyte	Ehux	Ehux_EOD14208	Ehux_EOD14208
GT8	257	EOD14208	631	1.40E-13	114	235	57	209	0.470817121	Emiliana_huxleyi	Haptophyte	GT8_EOD14208	Haptophyte	Ehux	Ehux_EOD14208	Ehux_EOD14208
GH31	427	EOD14217	1094	1.20E-70	46	397	368	756	0.822014052	Emiliana_huxleyi	Haptophyte	GH31_EOD14217	Haptophyte	Ehux	Ehux_EOD14217	Ehux_EOD14217
GH85	315	EOD14220	172	2.20E-35	98	266	2	163	0.533333333	Emiliana_huxleyi	Haptophyte	GH85_EOD14220	Haptophyte	Ehux	Ehux_EOD14220	Ehux_EOD14220
GH5	275	EOD14229	344	0.000000012	36	146	185	338	0.4	Emiliana_huxleyi	Haptophyte	GH5_EOD14229	Haptophyte	Ehux	Ehux_EOD14229	Ehux_EOD14229
CE10	341	EOD14326	669	2.50E-25	73	215	118	281	0.416422287	Emiliana_huxleyi	Haptophyte	CE10_EOD14326	Haptophyte	Ehux	Ehux_EOD14326	Ehux_EOD14326
CE10	341	EOD14375	620	8.60E-34	68	208	88	240	0.410557185	Emiliana_huxleyi	Haptophyte	CE10_EOD14375	Haptophyte	Ehux	Ehux_EOD14375	Ehux_EOD14375
GH27	375	EOD14403	350	1.10E-51	123	346	108	317	0.594666667	Emiliana_huxleyi	Haptophyte	GH27_EOD14403	Haptophyte	Ehux	Ehux_EOD14403	Ehux_EOD14403
GT77	216	EOD14406	233	0.000000012	69	161	86	174	0.425925926	Emiliana_huxleyi	Haptophyte	GT77_EOD14406	Haptophyte	Ehux	Ehux_EOD14406	Ehux_EOD14406
GT15	273	EOD14435	502	1.70E-09	113	245	66	216	0.483516484	Emiliana_huxleyi	Haptophyte	GT15_EOD14435	Haptophyte	Ehux	Ehux_EOD14435	Ehux_EOD14435
GT19	354	EOD14454	458	2.70E-85	1	347	30	420	0.97740113	Emiliana_huxleyi	Haptophyte	GT19_EOD14454	Haptophyte	Ehux	Ehux_EOD14454	Ehux_EOD14454
GT32	90	EOD14501	199	0.000000021	18	77	5	60	0.655555556	Emiliana_huxleyi	Haptophyte	GT32_EOD14501	Haptophyte	Ehux	Ehux_EOD14501	Ehux_EOD14501
GT2	168	EOD14583	419	6.80E-14	1	59	26	88	0.345238095							

GT23	318	EOD14606	818	2.60E-11	205	303	12	123	0.308176101	Emiliana_huxleyi	Haptophyte	GT23_EOD14606	Haptophyte	Ehux	Ehux_EOD14606	Ehux_EOD14606
CE1	227	EOD14622	195	2.50E-09	3	141	6	164	0.607929515	Emiliana_huxleyi	Haptophyte	CE1_EOD14622	Haptophyte	Ehux	Ehux_EOD14622	Ehux_EOD14622
GT90	250	EOD14633	379	1.10E-20	2	248	103	333	0.984	Emiliana_huxleyi	Haptophyte	GT90_EOD14633	Haptophyte	Ehux	Ehux_EOD14633	Ehux_EOD14633
CE1	227	EOD14636	495	1.10E-14	5	141	264	403	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD14636	Haptophyte	Ehux	Ehux_EOD14636	Ehux_EOD14636
CE6	99	EOD14637	588	0.00000091	5	79	202	281	0.747474748	Emiliana_huxleyi	Haptophyte	CE6_EOD14637	Haptophyte	Ehux	Ehux_EOD14637	Ehux_EOD14637
GH3	216	EOD14693	1133	8.30E-39	59	197	149	320	0.638888889	Emiliana_huxleyi	Haptophyte	GH3_EOD14693	Haptophyte	Ehux	Ehux_EOD14693	Ehux_EOD14693
GH3	216	EOD14702	876	4.60E-31	19	158	147	324	0.643518519	Emiliana_huxleyi	Haptophyte	GH3_EOD14702	Haptophyte	Ehux	Ehux_EOD14702	Ehux_EOD14702
GT2	168	EOD14703	495	0.00000075	2	118	101	227	0.690476191	Emiliana_huxleyi	Haptophyte	GT2_EOD14703	Haptophyte	Ehux	Ehux_EOD14703	Ehux_EOD14703
GT48	739	EOD14723	1712	5.30E-173	151	683	1021	1524	0.719891746	Emiliana_huxleyi	Haptophyte	GT48_EOD14723	Haptophyte	Ehux	Ehux_EOD14723	Ehux_EOD14723
GT48	739	EOD14724	1313	1.20E-249	3	683	464	1126	0.920162382	Emiliana_huxleyi	Haptophyte	GT48_EOD14724	Haptophyte	Ehux	Ehux_EOD14724	Ehux_EOD14724
GH3	216	EOD14788	831	1.20E-63	4	215	121	331	0.976851852	Emiliana_huxleyi	Haptophyte	GH3_EOD14788	Haptophyte	Ehux	Ehux_EOD14788	Ehux_EOD14788
AA9	220	EOD14831	777	7.80E-15	3	193	5	197	0.863636364	Emiliana_huxleyi	Haptophyte	AA9_EOD14831	Haptophyte	Ehux	Ehux_EOD14831	Ehux_EOD14831
GH8	320	EOD14831	777	5.50E-24	15	293	271	618	0.86875	Emiliana_huxleyi	Haptophyte	GH8_EOD14831	Haptophyte	Ehux	Ehux_EOD14831	Ehux_EOD14831
CE2	209	EOD14833	392	0.00000032	96	166	187	254	0.33492823	Emiliana_huxleyi	Haptophyte	CE2_EOD14833	Haptophyte	Ehux	Ehux_EOD14833	Ehux_EOD14833
GT95	294	EOD14838	579	8.70E-68	1	291	123	436	0.986394558	Emiliana_huxleyi	Haptophyte	GT95_EOD14838	Haptophyte	Ehux	Ehux_EOD14838	Ehux_EOD14838
GH5	275	EOD14846	509	1.30E-11	30	240	93	411	0.763636364	Emiliana_huxleyi	Haptophyte	GH5_EOD14846	Haptophyte	Ehux	Ehux_EOD14846	Ehux_EOD14846
GT17	284	EOD14867	374	8.30E-18	7	148	26	174	0.496478873	Emiliana_huxleyi	Haptophyte	GT17_EOD14867	Haptophyte	Ehux	Ehux_EOD14867	Ehux_EOD14867
GH2	752	EOD14879	685	1.30E-48	26	310	96	397	0.377659575	Emiliana_huxleyi	Haptophyte	GH2_EOD14879	Haptophyte	Ehux	Ehux_EOD14879	Ehux_EOD14879
GH28	325	EOD14884	948	5.60E-75	20	321	50	380	0.926153846	Emiliana_huxleyi	Haptophyte	GH28_EOD14884	Haptophyte	Ehux	Ehux_EOD14884	Ehux_EOD14884
GT96	307	EOD14884	948	1.50E-44	7	183	628	807	0.573289902	Emiliana_huxleyi	Haptophyte	GT96_EOD14884	Haptophyte	Ehux	Ehux_EOD14884	Ehux_EOD14884
GT96	307	EOD14884	948	2.20E-19	187	284	834	932	0.315960912	Emiliana_huxleyi	Haptophyte	GT96_EOD14884	Haptophyte	Ehux	Ehux_EOD14884	Ehux_EOD14884
GT8	257	EOD14911	476	6.00E-18	28	205	22	294	0.688715953	Emiliana_huxleyi	Haptophyte	GT8_EOD14911	Haptophyte	Ehux	Ehux_EOD14911	Ehux_EOD14911
GH16	189	EOD14925	258	3.10E-20	80	188	55	255	0.571428571	Emiliana_huxleyi	Haptophyte	GH16_EOD14925	Haptophyte	Ehux	Ehux_EOD14925	Ehux_EOD14925
CBM47	128	EOD15037	477	3.60E-16	35	126	382	469	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD15037	Haptophyte	Ehux	Ehux_EOD15037	Ehux_EOD15037
GT4	160	EOD15039	660	1.30E-13	9	116	391	501	0.66875	Emiliana_huxleyi	Haptophyte	GT4_EOD15039	Haptophyte	Ehux	Ehux_EOD15039	Ehux_EOD15039
GT32	90	EOD15047	317	2.00E-10	47	84	271	309	0.411111111	Emiliana_huxleyi	Haptophyte	GT32_EOD15047	Haptophyte	Ehux	Ehux_EOD15047	Ehux_EOD15047
GT77	216	EOD15071	429	0.00000063	4	96	144	236	0.425925926	Emiliana_huxleyi	Haptophyte	GT77_EOD15071	Haptophyte	Ehux	Ehux_EOD15071	Ehux_EOD15071
GT90	250	EOD15118	447	1.60E-27	19	242	127	367	0.892	Emiliana_huxleyi	Haptophyte	GT90_EOD15118	Haptophyte	Ehux	Ehux_EOD15118	Ehux_EOD15118
GT47	296	EOD15178	520	1.80E-29	10	288	8	441	0.939189189	Emiliana_huxleyi	Haptophyte	GT47_EOD15178	Haptophyte	Ehux	Ehux_EOD15178	Ehux_EOD15178
CBM47	128	EOD15185	616	1.00E-15	35	126	400	487	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD15185	Haptophyte	Ehux	Ehux_EOD15185	Ehux_EOD15185
CBM47	128	EOD15185	616	2.30E-15	35	126	521	608	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD15185	Haptophyte	Ehux	Ehux_EOD15185	Ehux_EOD15185
GH109	126	EOD15191	445	0.00085	73	123	106	156	0.396825397	Emiliana_huxleyi	Haptophyte	GH109_EOD15191	Haptophyte	Ehux	Ehux_EOD15191	Ehux_EOD15191
GT32	90	EOD15202	271	0.00000015	22	85	68	129	0.7	Emiliana_huxleyi	Haptophyte	GT32_EOD15202	Haptophyte	Ehux	Ehux_EOD15202	Ehux_EOD15202
GT41	705	EOD15246	732	1.10E-55	83	523	202	716	0.624113475	Emiliana_huxleyi	Haptophyte	GT41_EOD15246	Haptophyte	Ehux	Ehux_EOD15246	Ehux_EOD15246
GH81	622	EOD15250	671	2.10E-83	293	594	177	497	0.48392283	Emiliana_huxleyi	Haptophyte	GH81_EOD15250	Haptophyte	Ehux	Ehux_EOD15250	Ehux_EOD15250
CE6	99	EOD15270	233	4.90E-15	1	79	6	105	0.787878788	Emiliana_huxleyi	Haptophyte	CE6_EOD15270	Haptophyte	Ehux	Ehux_EOD15270	Ehux_EOD15270
GT77	216	EOD15313	591	9.90E-34	59	215	70	301	0.722222222	Emiliana_huxleyi	Haptophyte	GT77_EOD15313	Haptophyte	Ehux	Ehux_EOD15313	Ehux_EOD15313
GT17	284	EOD15358	396	7.50E-18	16	248	53	327	0.816901409	Emiliana_huxleyi	Haptophyte	GT17_EOD15358	Haptophyte	Ehux	Ehux_EOD15358	Ehux_EOD15358
GH3	216	EOD15385	796	2.00E-30	6	137	79	247	0.606481482	Emiliana_huxleyi	Haptophyte	GH3_EOD15385	Haptophyte	Ehux	Ehux_EOD15385	Ehux_EOD15385
GT4	160	EOD15396	483	9.70E-19	10	150	280	411	0.875	Emiliana_huxleyi	Haptophyte	GT4_EOD15396	Haptophyte	Ehux	Ehux_EOD15396	Ehux_EOD15396
GH128	224	EOD15527	384	9.20E-10	61	162	246	362	0.450892857	Emiliana_huxleyi	Haptophyte	GH128_EOD15527	Haptophyte	Ehux	Ehux_EOD15527	Ehux_EOD15527
CE1	227	EOD15528	799	5.10E-16	5	147	516	676	0.625550661	Emiliana_huxleyi	Haptophyte	CE1_EOD15528	Haptophyte	Ehux	Ehux_EOD15528	Ehux_EOD15528
GH16	189	EOD15563	132	5.40E-11	2	77	32	131	0.396825397	Emiliana_huxleyi	Haptophyte	GH16_EOD15563	Haptophyte	Ehux	Ehux_EOD15563	Ehux_EOD15563
GT28	157	EOD15586	609	5.20E-23	27	156	302	437	0.821656051	Emiliana_huxleyi	Haptophyte	GT28_EOD15586	Haptophyte	Ehux	Ehux_EOD15586	Ehux_EOD15586
GT47	296	EOD15632	638	6.30E-16	197	295	444	547	0.331081081	Emiliana_huxleyi	Haptophyte	GT47_EOD15632	Haptophyte	Ehux	Ehux_EOD15632	Ehux_EOD15632
CE1	227	EOD15671	294	7.80E-19	7	143	40	197	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD15671	Haptophyte	Ehux	Ehux_EOD15671	Ehux_EOD15671
GT71	264	EOD15746	970	4.00E-15	92	249	572	749	0.59469697	Emiliana_huxleyi	Haptophyte	GT71_EOD15746	Haptophyte	Ehux	Ehux_EOD15746	Ehux_EOD15746
GH38	269	EOD15755	853	8.90E-57	1	267	93	412	0.988847584	Emiliana_huxleyi	Haptophyte	GH38_EOD15755	Haptophyte	Ehux	Ehux_EOD15755	Ehux_EOD15755
GT47	296	EOD15787	559	3.40E-37	26	294	41	319	0.905405405	Emiliana_huxleyi	Haptophyte	GT47_EOD15787	Haptophyte	Ehux	Ehux_EOD15787	Ehux_EOD15787
GT31	192	EOD15813	319	1.90E-10	2	117	42	157	0.598958333	Emiliana_huxleyi	Haptophyte	GT31_EOD15813	Haptophyte	Ehux	Ehux_EOD15813	Ehux_EOD15813
CBM47	128	EOD15840	301	3.20E-15	35	112	224	298	0.6015625	Emiliana_huxleyi	Haptophyte	CBM47_EOD15840	Haptophyte	Ehux	Ehux_EOD15840	Ehux_EOD15840
GT8	257	EOD15860	596	7.30E-13	107	248	416	564	0.548638132	Emiliana_huxleyi	Haptophyte	GT8_EOD15860	Haptophyte	Ehux	Ehux_EOD15860	Ehux_EOD15860
CE10	341	EOD15975	301	8.20E-20	94	311	70	268	0.636363636	Emiliana_huxleyi	Haptophyte	CE10_EOD15975	Haptophyte	Ehux	Ehux_EOD15975	Ehux_EOD15975
CBM1	29	EOD16033	97	0.000000032	2	23	21	42	0.724137931	Emiliana_huxleyi	Haptophyte	CBM1_EOD16033	Haptophyte	Ehux	Ehux_EOD16033	Ehux_EOD16033
CBM1	29	EOD16033	97	0.00000022	4	24	67	87	0.689655172	Emiliana_huxleyi	Haptophyte	CBM1_EOD16033	Haptophyte	Ehux	Ehux_EOD16033	Ehux_EOD16033
GH17	311	EOD16095	461	2.10E-42	13	309	74	386	0.951768489	Emiliana_huxleyi	Haptophyte	GH17_EOD16095	Haptophyte	Ehux	Ehux_EOD16095	Ehux_EOD16095
CBM47	128	EOD16109	490	6.80E-16	35	126	313	400	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD16109	Haptophyte	Ehux	Ehux_EOD16109	Ehux_EOD16109
PL7	231	EOD16109	490	2.40E-33	1	231	2	237	0.995670996	Emiliana_huxleyi	Haptophyte	PL7_EOD16109	Haptophyte	Ehux	Ehux_EOD16109	Ehux_EOD16109
GH43	248	EOD16134	352	7.00E-20	23	193	50	263	0.685483871	Emiliana_huxleyi	Haptophyte	GH43_EOD16134	Haptophyte	Ehux	Ehux_EOD16134	Ehux_EOD16134
GT32	90	EOD16202	256	6.30E-16	13	88	42	114	0.833333333	Emiliana_huxleyi	Haptophyte	GT32_EOD16202	Haptophyte	Ehux	Ehux_EOD16202	Ehux_EOD16202
GT77	216	EOD16205	218	0.000000018	63	186	2	164	0.569444444	Emiliana_huxleyi	Haptophyte	GT77_EOD16205	Haptophyte	Ehux	Ehux_EOD16205	Ehux_EOD16205
AA3	618	EOD16224	581	0.000000036	69	256	22	357	0.302588997	Emiliana_huxleyi	Haptophyte	AA3_EOD16224	Haptophyte	Ehux	Ehux_EOD16224	Ehux_EOD16224
GH31	427	EOD16292	885	2.50E-115	9	427	339	763	0.978922717	Emiliana_huxleyi	Haptophyte	GH31_EOD16292	Haptophyte	Ehux	Ehux_EOD16292	Ehux_EOD16292
CE10	341	EOD16319	1040	2.00E-32	75	215	121	285	0.410557185	Emiliana_huxleyi	Haptophyte	CE10_EOD16319	Haptophyte	Ehux	Ehux_EOD16319	Ehux_EOD16319
GT14	250	EOD16343	270	1.60E-19	24	127	102	205	0.412	Emiliana_huxleyi	Haptophyte	GT14_EOD16343	Haptophyte	Ehux	Ehux_EOD16343	Ehux_EOD16343
GT19	354	EOD16414	398	4.60E-79	38	347	1	360	0.872881356	Emiliana_huxleyi	Haptophyte	GT19_EOD16414	Haptophyte	Ehux	Ehux_EOD16414	Ehux_EOD16414
GH63	570	EOD16456	540	1.20E-13	365	558	159	507	0.338596491	Emiliana_huxleyi	Haptophyte	GH63_EOD16456	Haptophyte	Ehux	Ehux_EOD16456	Ehux_EOD16456
GT14	250	EOD16550	458	9.80E-19	24	126	102	204	0.408	Emiliana_huxleyi	Haptophyte	GT14_EOD16550	Haptophyte	Ehux	Ehux_EOD16550	Ehux_EOD16550
GT8	257	EOD16564	211	2.10E-22	122	254	2	163	0.513618677	Emiliana_huxleyi	Haptophyte	GT8_EOD16564	Haptophyte	Ehux	Ehux_EOD16564	Ehux_EOD16564
GT4	160	EOD16643	361	1.50E-10	91	151	259	317	0.375	Emiliana_huxleyi	Haptophyte	GT4_EOD16643	Haptophyte	Ehux	Ehux_EOD16643	Ehux_EOD16643
GT29	247	EOD16681	289	1.60E-13	145	244	173	276	0.400809717	Emiliana_huxleyi	H					

GT8	257	EOD16714	442	1.70E-26	21	254	60	353	0.906614786	Emiliana_huxleyi	Haptophyte	GT8_EOD16714	Haptophyte	Ehux	Ehux_EOD16714	Ehux_EOD16714
CE10	341	EOD16752	428	5.00E-34	56	309	49	344	0.741935484	Emiliana_huxleyi	Haptophyte	CE10_EOD16752	Haptophyte	Ehux	Ehux_EOD16752	Ehux_EOD16752
GH99	334	EOD16757	368	2.40E-67	1	284	9	328	0.847305389	Emiliana_huxleyi	Haptophyte	GH99_EOD16757	Haptophyte	Ehux	Ehux_EOD16757	Ehux_EOD16757
CBM1	29	EOD16792	573	5.30E-09	1	24	329	352	0.793103448	Emiliana_huxleyi	Haptophyte	CBM1_EOD16792	Haptophyte	Ehux	Ehux_EOD16792	Ehux_EOD16792
CBM1	29	EOD16792	573	0.000000023	2	22	252	272	0.689655172	Emiliana_huxleyi	Haptophyte	CBM1_EOD16792	Haptophyte	Ehux	Ehux_EOD16792	Ehux_EOD16792
GT29	247	EOD16808	367	4.80E-33	30	246	74	319	0.874493927	Emiliana_huxleyi	Haptophyte	GT29_EOD16808	Haptophyte	Ehux	Ehux_EOD16808	Ehux_EOD16808
CE2	209	EOD16891	453	3.30E-19	26	135	238	344	0.521531101	Emiliana_huxleyi	Haptophyte	CE2_EOD16891	Haptophyte	Ehux	Ehux_EOD16891	Ehux_EOD16891
GH109	126	EOD16901	389	0.000000042	1	121	42	161	0.952380952	Emiliana_huxleyi	Haptophyte	GH109_EOD16901	Haptophyte	Ehux	Ehux_EOD16901	Ehux_EOD16901
CE10	341	EOD16920	610	1.10E-28	77	301	148	383	0.656891496	Emiliana_huxleyi	Haptophyte	CE10_EOD16920	Haptophyte	Ehux	Ehux_EOD16920	Ehux_EOD16920
GT43	212	EOD16956	547	1.70E-28	13	208	311	516	0.919811321	Emiliana_huxleyi	Haptophyte	GT43_EOD16956	Haptophyte	Ehux	Ehux_EOD16956	Ehux_EOD16956
GT47	296	EOD16972	450	3.70E-29	5	279	22	334	0.925675676	Emiliana_huxleyi	Haptophyte	GT47_EOD16972	Haptophyte	Ehux	Ehux_EOD16972	Ehux_EOD16972
GT32	90	EOD17018	342	1.90E-10	14	81	50	136	0.744444444	Emiliana_huxleyi	Haptophyte	GT32_EOD17018	Haptophyte	Ehux	Ehux_EOD17018	Ehux_EOD17018
CBM16	116	EOD17055	445	0.0000081	1	76	3	83	0.646551724	Emiliana_huxleyi	Haptophyte	CBM16_EOD17055	Haptophyte	Ehux	Ehux_EOD17055	Ehux_EOD17055
GT31	192	EOD17103	331	2.10E-19	38	159	69	198	0.630208333	Emiliana_huxleyi	Haptophyte	GT31_EOD17103	Haptophyte	Ehux	Ehux_EOD17103	Ehux_EOD17103
GH43	248	EOD17129	371	2.60E-16	22	194	48	296	0.693548387	Emiliana_huxleyi	Haptophyte	GH43_EOD17129	Haptophyte	Ehux	Ehux_EOD17129	Ehux_EOD17129
CE1	227	EOD17138	1170	1.70E-09	22	139	770	894	0.515418502	Emiliana_huxleyi	Haptophyte	CE1_EOD17138	Haptophyte	Ehux	Ehux_EOD17138	Ehux_EOD17138
GT77	216	EOD17198	507	0.000000008	2	76	92	162	0.342592593	Emiliana_huxleyi	Haptophyte	GT77_EOD17198	Haptophyte	Ehux	Ehux_EOD17198	Ehux_EOD17198
GT77	216	EOD17198	507	0.000000022	104	216	164	291	0.518518519	Emiliana_huxleyi	Haptophyte	GT77_EOD17198	Haptophyte	Ehux	Ehux_EOD17198	Ehux_EOD17198
CBM47	128	EOD17210	424	1.20E-16	30	126	58	150	0.75	Emiliana_huxleyi	Haptophyte	CBM47_EOD17210	Haptophyte	Ehux	Ehux_EOD17210	Ehux_EOD17210
CBM47	128	EOD17210	424	1.20E-16	30	126	282	374	0.75	Emiliana_huxleyi	Haptophyte	CBM47_EOD17210	Haptophyte	Ehux	Ehux_EOD17210	Ehux_EOD17210
GT34	246	EOD17233	306	0.0000061	31	105	20	90	0.300813008	Emiliana_huxleyi	Haptophyte	GT34_EOD17233	Haptophyte	Ehux	Ehux_EOD17233	Ehux_EOD17233
GH2	752	EOD17237	736	3.80E-43	124	357	130	365	0.309840426	Emiliana_huxleyi	Haptophyte	GH2_EOD17237	Haptophyte	Ehux	Ehux_EOD17237	Ehux_EOD17237
GT28	157	EOD17242	458	2.80E-09	60	146	343	427	0.547770701	Emiliana_huxleyi	Haptophyte	GT28_EOD17242	Haptophyte	Ehux	Ehux_EOD17242	Ehux_EOD17242
GT8	257	EOD17250	709	7.40E-29	29	253	292	514	0.871595331	Emiliana_huxleyi	Haptophyte	GT8_EOD17250	Haptophyte	Ehux	Ehux_EOD17250	Ehux_EOD17250
GH3	216	EOD17269	744	1.90E-54	4	213	69	323	0.967592593	Emiliana_huxleyi	Haptophyte	GH3_EOD17269	Haptophyte	Ehux	Ehux_EOD17269	Ehux_EOD17269
GT47	296	EOD17310	561	7.80E-16	7	236	23	292	0.773648649	Emiliana_huxleyi	Haptophyte	GT47_EOD17310	Haptophyte	Ehux	Ehux_EOD17310	Ehux_EOD17310
GT13	395	EOD17323	410	1.90E-91	26	390	47	397	0.921518987	Emiliana_huxleyi	Haptophyte	GT13_EOD17323	Haptophyte	Ehux	Ehux_EOD17323	Ehux_EOD17323
GT15	273	EOD17334	455	6.90E-24	19	264	108	364	0.897435897	Emiliana_huxleyi	Haptophyte	GT15_EOD17334	Haptophyte	Ehux	Ehux_EOD17334	Ehux_EOD17334
GH109	126	EOD17344	348	9.20E-09	1	117	17	127	0.920634921	Emiliana_huxleyi	Haptophyte	GH109_EOD17344	Haptophyte	Ehux	Ehux_EOD17344	Ehux_EOD17344
GH28	325	EOD17358	161	5.20E-09	213	321	3	140	0.332307692	Emiliana_huxleyi	Haptophyte	GH28_EOD17358	Haptophyte	Ehux	Ehux_EOD17358	Ehux_EOD17358
GT4	160	EOD17361	290	0.00000026	79	133	240	285	0.3375	Emiliana_huxleyi	Haptophyte	GT4_EOD17361	Haptophyte	Ehux	Ehux_EOD17361	Ehux_EOD17361
AA2	255	EOD17365	626	4.10E-22	13	127	75	191	0.447058824	Emiliana_huxleyi	Haptophyte	AA2_EOD17365	Haptophyte	Ehux	Ehux_EOD17365	Ehux_EOD17365
AA2	255	EOD17365	626	1.50E-14	28	161	399	531	0.521568628	Emiliana_huxleyi	Haptophyte	AA2_EOD17365	Haptophyte	Ehux	Ehux_EOD17365	Ehux_EOD17365
GT96	307	EOD17406	302	2.40E-80	1	262	5	277	0.850162866	Emiliana_huxleyi	Haptophyte	GT96_EOD17406	Haptophyte	Ehux	Ehux_EOD17406	Ehux_EOD17406
GT29	247	EOD17426	342	2.70E-35	20	242	105	335	0.898785425	Emiliana_huxleyi	Haptophyte	GT29_EOD17426	Haptophyte	Ehux	Ehux_EOD17426	Ehux_EOD17426
GH31	427	EOD17470	922	2.80E-51	255	424	624	797	0.395784543	Emiliana_huxleyi	Haptophyte	GH31_EOD17470	Haptophyte	Ehux	Ehux_EOD17470	Ehux_EOD17470
GH31	427	EOD17470	922	1.30E-46	2	258	279	604	0.599531616	Emiliana_huxleyi	Haptophyte	GH31_EOD17470	Haptophyte	Ehux	Ehux_EOD17470	Ehux_EOD17470
GT25	181	EOD17496	328	1.50E-17	60	178	168	288	0.651933702	Emiliana_huxleyi	Haptophyte	GT25_EOD17496	Haptophyte	Ehux	Ehux_EOD17496	Ehux_EOD17496
CE1	227	EOD17544	238	0.000000004	27	209	23	221	0.801762115	Emiliana_huxleyi	Haptophyte	CE1_EOD17544	Haptophyte	Ehux	Ehux_EOD17544	Ehux_EOD17544
GT90	250	EOD17567	533	9.50E-26	25	226	317	504	0.804	Emiliana_huxleyi	Haptophyte	GT90_EOD17567	Haptophyte	Ehux	Ehux_EOD17567	Ehux_EOD17567
GH16	189	EOD17583	954	4.30E-13	50	185	272	484	0.714285714	Emiliana_huxleyi	Haptophyte	GH16_EOD17583	Haptophyte	Ehux	Ehux_EOD17583	Ehux_EOD17583
GT32	90	EOD17583	954	5.90E-15	9	83	77	146	0.822222222	Emiliana_huxleyi	Haptophyte	GT32_EOD17583	Haptophyte	Ehux	Ehux_EOD17583	Ehux_EOD17583
CBM47	128	EOD17610	124	8.00E-17	35	126	31	118	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD17610	Haptophyte	Ehux	Ehux_EOD17610	Ehux_EOD17610
GH128	224	EOD17724	939	3.30E-09	73	162	472	581	0.397321429	Emiliana_huxleyi	Haptophyte	GH128_EOD17724	Haptophyte	Ehux	Ehux_EOD17724	Ehux_EOD17724
GH16	189	EOD17724	939	4.00E-45	8	187	66	289	0.947089947	Emiliana_huxleyi	Haptophyte	GH16_EOD17724	Haptophyte	Ehux	Ehux_EOD17724	Ehux_EOD17724
CE1	227	EOD17726	840	5.70E-16	5	147	557	717	0.625550661	Emiliana_huxleyi	Haptophyte	CE1_EOD17726	Haptophyte	Ehux	Ehux_EOD17726	Ehux_EOD17726
CBM1	29	EOD17727	602	3.10E-11	1	29	510	538	0.965517241	Emiliana_huxleyi	Haptophyte	CBM1_EOD17727	Haptophyte	Ehux	Ehux_EOD17727	Ehux_EOD17727
GT21	233	EOD17837	574	2.90E-21	1	207	55	267	0.884120172	Emiliana_huxleyi	Haptophyte	GT21_EOD17837	Haptophyte	Ehux	Ehux_EOD17837	Ehux_EOD17837
CE10	341	EOD17944	352	2.00E-23	71	307	36	311	0.692082111	Emiliana_huxleyi	Haptophyte	CE10_EOD17944	Haptophyte	Ehux	Ehux_EOD17944	Ehux_EOD17944
GT90	250	EOD18031	413	7.30E-21	133	248	289	402	0.46	Emiliana_huxleyi	Haptophyte	GT90_EOD18031	Haptophyte	Ehux	Ehux_EOD18031	Ehux_EOD18031
AA6	195	EOD18036	326	0.000000029	20	117	149	247	0.497435897	Emiliana_huxleyi	Haptophyte	AA6_EOD18036	Haptophyte	Ehux	Ehux_EOD18036	Ehux_EOD18036
GH74	233	EOD18049	442	0.0000034	37	114	97	173	0.330472103	Emiliana_huxleyi	Haptophyte	GH74_EOD18049	Haptophyte	Ehux	Ehux_EOD18049	Ehux_EOD18049
GT25	181	EOD18091	561	5.50E-15	4	170	319	481	0.917127072	Emiliana_huxleyi	Haptophyte	GT25_EOD18091	Haptophyte	Ehux	Ehux_EOD18091	Ehux_EOD18091
CBM1	29	EOD18114	266	3.70E-12	1	29	174	202	0.965517241	Emiliana_huxleyi	Haptophyte	CBM1_EOD18114	Haptophyte	Ehux	Ehux_EOD18114	Ehux_EOD18114
GT49	337	EOD18193	1262	1.40E-26	57	299	16	300	0.71810089	Emiliana_huxleyi	Haptophyte	GT49_EOD18193	Haptophyte	Ehux	Ehux_EOD18193	Ehux_EOD18193
CE13	355	EOD18199	231	3.50E-54	8	187	46	231	0.504225352	Emiliana_huxleyi	Haptophyte	CE13_EOD18199	Haptophyte	Ehux	Ehux_EOD18199	Ehux_EOD18199
GH47	446	EOD18227	590	8.00E-90	139	446	287	587	0.688340807	Emiliana_huxleyi	Haptophyte	GH47_EOD18227	Haptophyte	Ehux	Ehux_EOD18227	Ehux_EOD18227
GT77	216	EOD18229	250	1.90E-53	2	215	30	240	0.986111111	Emiliana_huxleyi	Haptophyte	GT77_EOD18229	Haptophyte	Ehux	Ehux_EOD18229	Ehux_EOD18229
GH2	752	EOD18235	1035	7.20E-44	53	490	124	839	0.581117021	Emiliana_huxleyi	Haptophyte	GH2_EOD18235	Haptophyte	Ehux	Ehux_EOD18235	Ehux_EOD18235
CE10	341	EOD18252	610	9.60E-29	77	301	148	383	0.656891496	Emiliana_huxleyi	Haptophyte	CE10_EOD18252	Haptophyte	Ehux	Ehux_EOD18252	Ehux_EOD18252
GH3	216	EOD18267	792	2.10E-54	4	213	67	321	0.967592593	Emiliana_huxleyi	Haptophyte	GH3_EOD18267	Haptophyte	Ehux	Ehux_EOD18267	Ehux_EOD18267
GH7	415	EOD18287	457	1.90E-153	2	408	16	440	0.978313253	Emiliana_huxleyi	Haptophyte	GH7_EOD18287	Haptophyte	Ehux	Ehux_EOD18287	Ehux_EOD18287
GH109	126	EOD18309	311	0.0000097	1	102	13	105	0.801587302	Emiliana_huxleyi	Haptophyte	GH109_EOD18309	Haptophyte	Ehux	Ehux_EOD18309	Ehux_EOD18309
GT31	192	EOD18382	244	3.20E-25	2	183	36	218	0.942708333	Emiliana_huxleyi	Haptophyte	GT31_EOD18382	Haptophyte	Ehux	Ehux_EOD18382	Ehux_EOD18382
GT2	168	EOD18392	491	5.30E-20	1	123	102	249	0.726190476	Emiliana_huxleyi	Haptophyte	GT2_EOD18392	Haptophyte	Ehux	Ehux_EOD18392	Ehux_EOD18392
GH30	417	EOD18435	453	9.20E-98	11	357	72	453	0.829736211	Emiliana_huxleyi	Haptophyte	GH30_EOD18435	Haptophyte	Ehux	Ehux_EOD18435	Ehux_EOD18435
GH31	427	EOD18470	922	2.80E-51	255	424	624	797	0.395784543	Emiliana_huxleyi	Haptophyte	GH31_EOD18470	Haptophyte	Ehux	Ehux_EOD18470	Ehux_EOD18470
GH31	427	EOD18470	922	6.60E-47	2	258	279	604	0.599531616	Emiliana_huxleyi	Haptophyte	GH31_EOD18470	Haptophyte	Ehux	Ehux_EOD18470	Ehux_EOD18470
GH5	275	EOD18477	414	2.00E-22	2	232	41	328	0.836363636	Emiliana_huxleyi	Haptophyte	GH5_EOD18477	Haptophyte	Ehux	Ehux_EOD18477	Ehux_EOD18477
CE1	227	EOD18586	330	0.000000029	29	143	138	273	0.502202643	Emiliana_huxleyi	Haptophyte	CE1_EOD18586	Haptophyte	Ehux	Ehux_EOD18586	Ehux_EOD18586
GT31	192	EOD18597	317	2.60E-34	2	167	52</									

GT47	296	EOD18621	486	6.60E-28	33	287	30	341	0.858108108	Emiliana_huxleyi	Haptophyte	GT47_EOD18621	Haptophyte	Ehux	Ehux_EOD18621	Ehux_EOD18621
GT8	257	EOD18644	221	2.30E-11	117	203	82	188	0.33463035	Emiliana_huxleyi	Haptophyte	GT8_EOD18644	Haptophyte	Ehux	Ehux_EOD18644	Ehux_EOD18644
GH54	316	EOD18702	327	5.50E-121	1	314	19	326	0.990506329	Emiliana_huxleyi	Haptophyte	GH54_EOD18702	Haptophyte	Ehux	Ehux_EOD18702	Ehux_EOD18702
CE1	227	EOD18739	253	0.00000088	3	119	6	140	0.511013216	Emiliana_huxleyi	Haptophyte	CE1_EOD18739	Haptophyte	Ehux	Ehux_EOD18739	Ehux_EOD18739
GT61	242	EOD18823	427	3.50E-10	70	242	25	211	0.710743802	Emiliana_huxleyi	Haptophyte	GT61_EOD18823	Haptophyte	Ehux	Ehux_EOD18823	Ehux_EOD18823
GT31	192	EOD18829	643	0.0000081	74	189	226	344	0.598958333	Emiliana_huxleyi	Haptophyte	GT31_EOD18829	Haptophyte	Ehux	Ehux_EOD18829	Ehux_EOD18829
CE1	227	EOD18855	283	3.40E-47	1	225	23	280	0.986784141	Emiliana_huxleyi	Haptophyte	CE1_EOD18855	Haptophyte	Ehux	Ehux_EOD18855	Ehux_EOD18855
GT31	192	EOD18904	643	0.0000081	74	189	226	344	0.598958333	Emiliana_huxleyi	Haptophyte	GT31_EOD18904	Haptophyte	Ehux	Ehux_EOD18904	Ehux_EOD18904
GH31	427	EOD18995	713	3.00E-155	2	427	129	580	0.995316159	Emiliana_huxleyi	Haptophyte	GH31_EOD18995	Haptophyte	Ehux	Ehux_EOD18995	Ehux_EOD18995
GT31	192	EOD19107	427	1.50E-17	9	165	29	221	0.8125	Emiliana_huxleyi	Haptophyte	GT31_EOD19107	Haptophyte	Ehux	Ehux_EOD19107	Ehux_EOD19107
GT21	233	EOD19145	467	6.30E-19	1	175	44	251	0.746781116	Emiliana_huxleyi	Haptophyte	GT21_EOD19145	Haptophyte	Ehux	Ehux_EOD19145	Ehux_EOD19145
GT31	192	EOD19195	338	7.20E-11	78	182	111	205	0.541666667	Emiliana_huxleyi	Haptophyte	GT31_EOD19195	Haptophyte	Ehux	Ehux_EOD19195	Ehux_EOD19195
GT2	168	EOD19202	819	0.0000053	6	121	577	699	0.68452381	Emiliana_huxleyi	Haptophyte	GT2_EOD19202	Haptophyte	Ehux	Ehux_EOD19202	Ehux_EOD19202
CE6	99	EOD19246	729	0.000000036	7	79	202	283	0.727272727	Emiliana_huxleyi	Haptophyte	CE6_EOD19246	Haptophyte	Ehux	Ehux_EOD19246	Ehux_EOD19246
CBM32	124	EOD19341	161	0.00000045	11	80	11	84	0.556451613	Emiliana_huxleyi	Haptophyte	CBM32_EOD19341	Haptophyte	Ehux	Ehux_EOD19341	Ehux_EOD19341
CE13	355	EOD19416	624	9.90E-41	15	254	15	241	0.673239437	Emiliana_huxleyi	Haptophyte	CE13_EOD19416	Haptophyte	Ehux	Ehux_EOD19416	Ehux_EOD19416
GT1	382	EOD19541	482	1.30E-27	72	382	74	415	0.811518325	Emiliana_huxleyi	Haptophyte	GT1_EOD19541	Haptophyte	Ehux	Ehux_EOD19541	Ehux_EOD19541
GT68	350	EOD19556	282	0.000000011	226	345	119	246	0.34	Emiliana_huxleyi	Haptophyte	GT68_EOD19556	Haptophyte	Ehux	Ehux_EOD19556	Ehux_EOD19556
GT2	168	EOD19561	635	9.10E-09	29	99	299	366	0.416666667	Emiliana_huxleyi	Haptophyte	GT2_EOD19561	Haptophyte	Ehux	Ehux_EOD19561	Ehux_EOD19561
GT32	90	EOD19583	351	1.60E-13	15	88	119	188	0.811111111	Emiliana_huxleyi	Haptophyte	GT32_EOD19583	Haptophyte	Ehux	Ehux_EOD19583	Ehux_EOD19583
GT1	382	EOD19595	411	1.30E-21	193	381	143	409	0.492146597	Emiliana_huxleyi	Haptophyte	GT1_EOD19595	Haptophyte	Ehux	Ehux_EOD19595	Ehux_EOD19595
CBM32	124	EOD19612	902	0.000000013	34	112	760	845	0.629032258	Emiliana_huxleyi	Haptophyte	CBM32_EOD19612	Haptophyte	Ehux	Ehux_EOD19612	Ehux_EOD19612
GT41	705	EOD19684	581	6.50E-46	144	512	95	535	0.521985816	Emiliana_huxleyi	Haptophyte	GT41_EOD19684	Haptophyte	Ehux	Ehux_EOD19684	Ehux_EOD19684
GT77	216	EOD19732	585	3.50E-49	4	216	125	359	0.981481482	Emiliana_huxleyi	Haptophyte	GT77_EOD19732	Haptophyte	Ehux	Ehux_EOD19732	Ehux_EOD19732
GT47	296	EOD19804	656	8.00E-24	12	139	306	457	0.429054054	Emiliana_huxleyi	Haptophyte	GT47_EOD19804	Haptophyte	Ehux	Ehux_EOD19804	Ehux_EOD19804
GH16	189	EOD19882	502	5.40E-45	2	189	216	450	0.989417989	Emiliana_huxleyi	Haptophyte	GH16_EOD19882	Haptophyte	Ehux	Ehux_EOD19882	Ehux_EOD19882
CE10	341	EOD19902	153	0.00000021	201	329	19	129	0.375366569	Emiliana_huxleyi	Haptophyte	CE10_EOD19902	Haptophyte	Ehux	Ehux_EOD19902	Ehux_EOD19902
GH5	275	EOD20003	536	3.70E-24	35	235	51	371	0.727272727	Emiliana_huxleyi	Haptophyte	GH5_EOD20003	Haptophyte	Ehux	Ehux_EOD20003	Ehux_EOD20003
GT34	246	EOD20032	408	1.70E-09	138	239	269	391	0.410569106	Emiliana_huxleyi	Haptophyte	GT34_EOD20032	Haptophyte	Ehux	Ehux_EOD20032	Ehux_EOD20032
GT29	247	EOD20116	261	1.30E-16	17	93	12	90	0.307692308	Emiliana_huxleyi	Haptophyte	GT29_EOD20116	Haptophyte	Ehux	Ehux_EOD20116	Ehux_EOD20116
GH16	189	EOD20124	446	2.50E-13	4	176	65	357	0.91005291	Emiliana_huxleyi	Haptophyte	GH16_EOD20124	Haptophyte	Ehux	Ehux_EOD20124	Ehux_EOD20124
GT95	294	EOD20228	577	1.40E-56	1	291	123	434	0.986394558	Emiliana_huxleyi	Haptophyte	GT95_EOD20228	Haptophyte	Ehux	Ehux_EOD20228	Ehux_EOD20228
CE2	209	EOD20234	404	0.00000071	96	166	220	291	0.33492823	Emiliana_huxleyi	Haptophyte	CE2_EOD20234	Haptophyte	Ehux	Ehux_EOD20234	Ehux_EOD20234
CBM42	136	EOD20305	143	1.50E-30	30	135	28	136	0.772058824	Emiliana_huxleyi	Haptophyte	CBM42_EOD20305	Haptophyte	Ehux	Ehux_EOD20305	Ehux_EOD20305
GT90	250	EOD20328	229	1.10E-32	41	248	1	214	0.828	Emiliana_huxleyi	Haptophyte	GT90_EOD20328	Haptophyte	Ehux	Ehux_EOD20328	Ehux_EOD20328
GH18	296	EOD20334	547	2.90E-66	4	284	42	421	0.945945946	Emiliana_huxleyi	Haptophyte	GH18_EOD20334	Haptophyte	Ehux	Ehux_EOD20334	Ehux_EOD20334
GH5	275	EOD20365	447	9.80E-14	99	231	125	271	0.48	Emiliana_huxleyi	Haptophyte	GH5_EOD20365	Haptophyte	Ehux	Ehux_EOD20365	Ehux_EOD20365
GT95	294	EOD20388	390	1.10E-62	35	294	1	272	0.880952381	Emiliana_huxleyi	Haptophyte	GT95_EOD20388	Haptophyte	Ehux	Ehux_EOD20388	Ehux_EOD20388
GT31	192	EOD20429	353	3.80E-11	17	115	42	140	0.510416667	Emiliana_huxleyi	Haptophyte	GT31_EOD20429	Haptophyte	Ehux	Ehux_EOD20429	Ehux_EOD20429
GT95	294	EOD20556	283	7.60E-65	1	270	3	283	0.914965986	Emiliana_huxleyi	Haptophyte	GT95_EOD20556	Haptophyte	Ehux	Ehux_EOD20556	Ehux_EOD20556
CE1	227	EOD20572	319	4.20E-12	5	141	32	182	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD20572	Haptophyte	Ehux	Ehux_EOD20572	Ehux_EOD20572
GH3	216	EOD20642	624	6.20E-53	5	198	115	325	0.893518519	Emiliana_huxleyi	Haptophyte	GH3_EOD20642	Haptophyte	Ehux	Ehux_EOD20642	Ehux_EOD20642
GT47	296	EOD20654	1062	8.00E-41	4	296	131	526	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD20654	Haptophyte	Ehux	Ehux_EOD20654	Ehux_EOD20654
GH128	224	EOD20657	499	1.50E-34	11	224	195	437	0.950892857	Emiliana_huxleyi	Haptophyte	GH128_EOD20657	Haptophyte	Ehux	Ehux_EOD20657	Ehux_EOD20657
GT32	90	EOD20659	58	2.10E-12	40	82	4	46	0.466666667	Emiliana_huxleyi	Haptophyte	GT32_EOD20659	Haptophyte	Ehux	Ehux_EOD20659	Ehux_EOD20659
GT2	168	EOD20668	341	1.80E-19	2	166	81	258	0.976190476	Emiliana_huxleyi	Haptophyte	GT2_EOD20668	Haptophyte	Ehux	Ehux_EOD20668	Ehux_EOD20668
CE1	227	EOD20674	201	4.60E-19	26	143	1	130	0.515418502	Emiliana_huxleyi	Haptophyte	CE1_EOD20674	Haptophyte	Ehux	Ehux_EOD20674	Ehux_EOD20674
CE13	355	EOD20676	505	9.70E-22	25	183	91	247	0.445070423	Emiliana_huxleyi	Haptophyte	CE13_EOD20676	Haptophyte	Ehux	Ehux_EOD20676	Ehux_EOD20676
GH39	431	EOD20698	462	1.60E-88	3	430	25	416	0.990719258	Emiliana_huxleyi	Haptophyte	GH39_EOD20698	Haptophyte	Ehux	Ehux_EOD20698	Ehux_EOD20698
GH43	248	EOD20894	406	7.10E-20	20	234	29	313	0.862903226	Emiliana_huxleyi	Haptophyte	GH43_EOD20894	Haptophyte	Ehux	Ehux_EOD20894	Ehux_EOD20894
GT8	257	EOD20915	502	2.70E-17	120	252	237	366	0.513618677	Emiliana_huxleyi	Haptophyte	GT8_EOD20915	Haptophyte	Ehux	Ehux_EOD20915	Ehux_EOD20915
GH43	248	EOD20926	287	9.40E-27	70	226	36	240	0.629032258	Emiliana_huxleyi	Haptophyte	GH43_EOD20926	Haptophyte	Ehux	Ehux_EOD20926	Ehux_EOD20926
GH39	431	EOD21011	496	2.00E-88	3	430	59	450	0.990719258	Emiliana_huxleyi	Haptophyte	GH39_EOD21011	Haptophyte	Ehux	Ehux_EOD21011	Ehux_EOD21011
CBM50	40	EOD21035	565	0.000065	4	37	191	233	0.825	Emiliana_huxleyi	Haptophyte	CBM50_EOD21035	Haptophyte	Ehux	Ehux_EOD21035	Ehux_EOD21035
CBM47	128	EOD21040	1229	2.50E-15	35	126	1063	1150	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD21040	Haptophyte	Ehux	Ehux_EOD21040	Ehux_EOD21040
CBM47	128	EOD21040	1229	3.40E-15	35	126	789	876	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD21040	Haptophyte	Ehux	Ehux_EOD21040	Ehux_EOD21040
CE10	341	EOD21090	275	0.0000013	92	208	28	135	0.340175953	Emiliana_huxleyi	Haptophyte	CE10_EOD21090	Haptophyte	Ehux	Ehux_EOD21090	Ehux_EOD21090
GT90	250	EOD21103	394	1.30E-20	2	248	118	348	0.984	Emiliana_huxleyi	Haptophyte	GT90_EOD21103	Haptophyte	Ehux	Ehux_EOD21103	Ehux_EOD21103
CE1	227	EOD21106	508	8.00E-15	5	141	277	416	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD21106	Haptophyte	Ehux	Ehux_EOD21106	Ehux_EOD21106
CE6	99	EOD21107	605	0.000000095	5	79	202	281	0.747474748	Emiliana_huxleyi	Haptophyte	CE6_EOD21107	Haptophyte	Ehux	Ehux_EOD21107	Ehux_EOD21107
GH5	275	EOD21173	477	5.30E-36	28	240	88	375	0.770909091	Emiliana_huxleyi	Haptophyte	GH5_EOD21173	Haptophyte	Ehux	Ehux_EOD21173	Ehux_EOD21173
CE10	341	EOD21341	279	5.50E-25	56	199	49	200	0.419354839	Emiliana_huxleyi	Haptophyte	CE10_EOD21341	Haptophyte	Ehux	Ehux_EOD21341	Ehux_EOD21341
GH99	334	EOD21345	395	1.40E-90	1	330	9	378	0.98502994	Emiliana_huxleyi	Haptophyte	GH99_EOD21345	Haptophyte	Ehux	Ehux_EOD21345	Ehux_EOD21345
GH29	346	EOD21364	1092	6.10E-102	33	346	647	981	0.904624278	Emiliana_huxleyi	Haptophyte	GH29_EOD21364	Haptophyte	Ehux	Ehux_EOD21364	Ehux_EOD21364
GT32	90	EOD21408	701	9.30E-17	7	88	408	484	0.9	Emiliana_huxleyi	Haptophyte	GT32_EOD21408	Haptophyte	Ehux	Ehux_EOD21408	Ehux_EOD21408
CBM47	128	EOD21419	245	2.40E-16	35	126	152	239	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD21419	Haptophyte	Ehux	Ehux_EOD21419	Ehux_EOD21419
CBM47	128	EOD21419	245	2.50E-16	35	126	31	118	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD21419	Haptophyte	Ehux	Ehux_EOD21419	Ehux_EOD21419
GT31	192	EOD21439	372	1.50E-24	2	191	63	279	0.984375	Emiliana_huxleyi	Haptophyte	GT31_EOD21439	Haptophyte	Ehux	Ehux_EOD21439	Ehux_EOD21439
GH1	429	EOD21459	626	1.70E-34	279	427	257	418	0.344988345	Emiliana_huxleyi	Haptophyte	GH1_EOD21459	Haptophyte	Ehux	Ehux_EOD21459	Ehux_EOD21459
GH1	429	EOD21459	626	4.30E-32	6	201	33	256	0.454545455	Emiliana_huxleyi	Haptophyte	GH1_EOD21459	Haptophyte	Ehux	Ehux_EOD21459	Ehux_EOD21459
CBM47	128	EOD21471	193	9.00E-17	34	126	100	188	0.71875	Emiliana_huxleyi</						

GT77	216	E0D21512	731	3.90E-41	2	212	174	435	0.972222222	Emiliana_huxleyi	Haptophyte	GT77_E0D21512	Haptophyte	Ehux	Ehux_E0D21512	Ehux_E0D21512
GT8	257	E0D21532	393	1.10E-15	34	253	5	278	0.852140078	Emiliana_huxleyi	Haptophyte	GT8_E0D21532	Haptophyte	Ehux	Ehux_E0D21532	Ehux_E0D21532
GT90	250	E0D21563	402	1.30E-10	2	81	292	380	0.316	Emiliana_huxleyi	Haptophyte	GT90_E0D21563	Haptophyte	Ehux	Ehux_E0D21563	Ehux_E0D21563
GT32	90	E0D21574	315	1.40E-13	8	87	27	102	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_E0D21574	Haptophyte	Ehux	Ehux_E0D21574	Ehux_E0D21574
AA7	458	E0D21634	3724	7.30E-45	15	207	557	764	0.419213974	Emiliana_huxleyi	Haptophyte	AA7_E0D21634	Haptophyte	Ehux	Ehux_E0D21634	Ehux_E0D21634
AA7	4058	E0D21696	1005	1.70E-50	26	226	421	652	0.436681223	Emiliana_huxleyi	Haptophyte	AA7_E0D21696	Haptophyte	Ehux	Ehux_E0D21696	Ehux_E0D21696
CE1	227	E0D21717	456	0.0000086	15	115	195	287	0.440528634	Emiliana_huxleyi	Haptophyte	CE1_E0D21717	Haptophyte	Ehux	Ehux_E0D21717	Ehux_E0D21717
GH19	231	E0D21789	1325	6.90E-16	47	160	596	755	0.489177489	Emiliana_huxleyi	Haptophyte	GH19_E0D21789	Haptophyte	Ehux	Ehux_E0D21789	Ehux_E0D21789
GH19	231	E0D21789	1325	2.20E-09	54	157	926	1236	0.445887446	Emiliana_huxleyi	Haptophyte	GH19_E0D21789	Haptophyte	Ehux	Ehux_E0D21789	Ehux_E0D21789
GT12	134	E0D21864	773	5.30E-20	7	107	14	117	0.746268657	Emiliana_huxleyi	Haptophyte	GT12_E0D21864	Haptophyte	Ehux	Ehux_E0D21864	Ehux_E0D21864
GT31	192	E0D21864	773	2.60E-28	3	188	355	538	0.963541667	Emiliana_huxleyi	Haptophyte	GT31_E0D21864	Haptophyte	Ehux	Ehux_E0D21864	Ehux_E0D21864
GH5	275	E0D21903	646	3.20E-34	25	235	334	622	0.763636364	Emiliana_huxleyi	Haptophyte	GH5_E0D21903	Haptophyte	Ehux	Ehux_E0D21903	Ehux_E0D21903
GH5	275	E0D21914	942	3.20E-16	48	238	456	812	0.690909091	Emiliana_huxleyi	Haptophyte	GH5_E0D21914	Haptophyte	Ehux	Ehux_E0D21914	Ehux_E0D21914
AA2	255	E0D21998	293	7.30E-55	12	253	30	280	0.945098039	Emiliana_huxleyi	Haptophyte	AA2_E0D21998	Haptophyte	Ehux	Ehux_E0D21998	Ehux_E0D21998
GT1	382	E0D22025	707	1.30E-13	209	335	444	622	0.329842932	Emiliana_huxleyi	Haptophyte	GT1_E0D22025	Haptophyte	Ehux	Ehux_E0D22025	Ehux_E0D22025
GT77	216	E0D22050	357	2.10E-25	6	216	134	332	0.972222222	Emiliana_huxleyi	Haptophyte	GT77_E0D22050	Haptophyte	Ehux	Ehux_E0D22050	Ehux_E0D22050
GT19	354	E0D22112	465	8.20E-93	1	347	30	427	0.97740113	Emiliana_huxleyi	Haptophyte	GT19_E0D22112	Haptophyte	Ehux	Ehux_E0D22112	Ehux_E0D22112
GT8	257	E0D22130	393	1.10E-15	34	253	5	278	0.852140078	Emiliana_huxleyi	Haptophyte	GT8_E0D22130	Haptophyte	Ehux	Ehux_E0D22130	Ehux_E0D22130
CBM47	128	E0D22152	901	0.00000026	11	125	777	895	0.890625	Emiliana_huxleyi	Haptophyte	CBM47_E0D22152	Haptophyte	Ehux	Ehux_E0D22152	Ehux_E0D22152
GH16	189	E0D22179	523	2.80E-11	4	97	43	180	0.492063492	Emiliana_huxleyi	Haptophyte	GH16_E0D22179	Haptophyte	Ehux	Ehux_E0D22179	Ehux_E0D22179
GH16	189	E0D22179	523	2.80E-11	122	189	309	423	0.354497355	Emiliana_huxleyi	Haptophyte	GH16_E0D22179	Haptophyte	Ehux	Ehux_E0D22179	Ehux_E0D22179
GT77	216	E0D22214	801	3.00E-11	58	133	311	425	0.347222222	Emiliana_huxleyi	Haptophyte	GT77_E0D22214	Haptophyte	Ehux	Ehux_E0D22214	Ehux_E0D22214
GT32	90	E0D22295	370	5.00E-15	3	87	81	154	0.933333333	Emiliana_huxleyi	Haptophyte	GT32_E0D22295	Haptophyte	Ehux	Ehux_E0D22295	Ehux_E0D22295
CE10	341	E0D22296	1140	2.20E-14	79	293	111	377	0.627565982	Emiliana_huxleyi	Haptophyte	CE10_E0D22296	Haptophyte	Ehux	Ehux_E0D22296	Ehux_E0D22296
GH5	275	E0D22328	751	8.40E-25	26	229	106	392	0.738181818	Emiliana_huxleyi	Haptophyte	GH5_E0D22328	Haptophyte	Ehux	Ehux_E0D22328	Ehux_E0D22328
GT25	181	E0D22368	386	6.40E-14	61	178	1	128	0.646408884	Emiliana_huxleyi	Haptophyte	GT25_E0D22368	Haptophyte	Ehux	Ehux_E0D22368	Ehux_E0D22368
AA13	232	E0D22398	376	9.80E-11	69	232	200	369	0.702586207	Emiliana_huxleyi	Haptophyte	AA13_E0D22398	Haptophyte	Ehux	Ehux_E0D22398	Ehux_E0D22398
AA3	618	E0D22400	640	4.20E-78	74	405	12	622	0.535598706	Emiliana_huxleyi	Haptophyte	AA3_E0D22400	Haptophyte	Ehux	Ehux_E0D22400	Ehux_E0D22400
CBM47	128	E0D22429	789	4.30E-17	35	116	45	123	0.6328125	Emiliana_huxleyi	Haptophyte	CBM47_E0D22429	Haptophyte	Ehux	Ehux_E0D22429	Ehux_E0D22429
GH19	231	E0D22534	182	0.00069	5	75	18	82	0.303030303	Emiliana_huxleyi	Haptophyte	GH19_E0D22534	Haptophyte	Ehux	Ehux_E0D22534	Ehux_E0D22534
GT41	705	E0D22569	641	8.50E-45	192	512	236	595	0.453900709	Emiliana_huxleyi	Haptophyte	GT41_E0D22569	Haptophyte	Ehux	Ehux_E0D22569	Ehux_E0D22569
AA6	195	E0D22658	271	0.00000078	14	93	53	142	0.405128205	Emiliana_huxleyi	Haptophyte	AA6_E0D22658	Haptophyte	Ehux	Ehux_E0D22658	Ehux_E0D22658
CE10	341	E0D22742	397	1.90E-14	94	313	155	365	0.642228739	Emiliana_huxleyi	Haptophyte	CE10_E0D22742	Haptophyte	Ehux	Ehux_E0D22742	Ehux_E0D22742
GT31	192	E0D22748	410	0.00000015	3	161	23	206	0.822916667	Emiliana_huxleyi	Haptophyte	GT31_E0D22748	Haptophyte	Ehux	Ehux_E0D22748	Ehux_E0D22748
GT71	264	E0D22763	356	0.00000012	12	109	87	180	0.367424242	Emiliana_huxleyi	Haptophyte	GT71_E0D22763	Haptophyte	Ehux	Ehux_E0D22763	Ehux_E0D22763
GT8	257	E0D22763	356	7.80E-15	106	245	140	288	0.540856031	Emiliana_huxleyi	Haptophyte	GT8_E0D22763	Haptophyte	Ehux	Ehux_E0D22763	Ehux_E0D22763
AA11	191	E0D22790	480	3.80E-19	2	156	29	182	0.806282723	Emiliana_huxleyi	Haptophyte	AA11_E0D22790	Haptophyte	Ehux	Ehux_E0D22790	Ehux_E0D22790
GT8	257	E0D22802	895	9.30E-11	36	251	587	814	0.836575876	Emiliana_huxleyi	Haptophyte	GT8_E0D22802	Haptophyte	Ehux	Ehux_E0D22802	Ehux_E0D22802
CE10	341	E0D22819	275	0.0000011	92	208	28	135	0.340175953	Emiliana_huxleyi	Haptophyte	CE10_E0D22819	Haptophyte	Ehux	Ehux_E0D22819	Ehux_E0D22819
AA3	618	E0D22864	572	1.90E-57	92	398	22	560	0.495145631	Emiliana_huxleyi	Haptophyte	AA3_E0D22864	Haptophyte	Ehux	Ehux_E0D22864	Ehux_E0D22864
CE10	341	E0D22868	728	1.50E-36	76	208	316	457	0.387096774	Emiliana_huxleyi	Haptophyte	CE10_E0D22868	Haptophyte	Ehux	Ehux_E0D22868	Ehux_E0D22868
GH3	216	E0D22886	638	6.10E-75	2	215	72	289	0.986111111	Emiliana_huxleyi	Haptophyte	GH3_E0D22886	Haptophyte	Ehux	Ehux_E0D22886	Ehux_E0D22886
GT57	481	E0D22902	202	2.20E-71	5	196	1	201	0.397089397	Emiliana_huxleyi	Haptophyte	GT57_E0D22902	Haptophyte	Ehux	Ehux_E0D22902	Ehux_E0D22902
CE8	288	E0D22928	273	0.00000006	9	111	80	171	0.354166667	Emiliana_huxleyi	Haptophyte	CE8_E0D22928	Haptophyte	Ehux	Ehux_E0D22928	Ehux_E0D22928
GH33	342	E0D22961	392	4.80E-58	11	341	33	380	0.964912281	Emiliana_huxleyi	Haptophyte	GH33_E0D22961	Haptophyte	Ehux	Ehux_E0D22961	Ehux_E0D22961
CE1	227	E0D22971	882	6.50E-16	23	143	357	522	0.528634361	Emiliana_huxleyi	Haptophyte	CE1_E0D22971	Haptophyte	Ehux	Ehux_E0D22971	Ehux_E0D22971
CBM47	128	E0D23053	280	1.80E-11	20	126	30	130	0.828125	Emiliana_huxleyi	Haptophyte	CBM47_E0D23053	Haptophyte	Ehux	Ehux_E0D23053	Ehux_E0D23053
CBM47	128	E0D23053	280	2.20E-11	21	126	172	271	0.8203125	Emiliana_huxleyi	Haptophyte	CBM47_E0D23053	Haptophyte	Ehux	Ehux_E0D23053	Ehux_E0D23053
GH31	427	E0D23071	690	1.00E-21	11	283	317	583	0.637002342	Emiliana_huxleyi	Haptophyte	GH31_E0D23071	Haptophyte	Ehux	Ehux_E0D23071	Ehux_E0D23071
GH1	429	E0D23082	506	9.00E-102	6	424	1	505	0.974358974	Emiliana_huxleyi	Haptophyte	GH1_E0D23082	Haptophyte	Ehux	Ehux_E0D23082	Ehux_E0D23082
GT31	192	E0D23127	311	4.60E-15	23	182	3	184	0.828125	Emiliana_huxleyi	Haptophyte	GT31_E0D23127	Haptophyte	Ehux	Ehux_E0D23127	Ehux_E0D23127
GH3	216	E0D23136	1059	6.10E-62	7	207	90	308	0.925925926	Emiliana_huxleyi	Haptophyte	GH3_E0D23136	Haptophyte	Ehux	Ehux_E0D23136	Ehux_E0D23136
GH16	189	E0D23233	668	1.70E-23	32	189	247	523	0.830687831	Emiliana_huxleyi	Haptophyte	GH16_E0D23233	Haptophyte	Ehux	Ehux_E0D23233	Ehux_E0D23233
GH74	233	E0D23242	405	0.00000087	36	110	136	222	0.317596567	Emiliana_huxleyi	Haptophyte	GH74_E0D23242	Haptophyte	Ehux	Ehux_E0D23242	Ehux_E0D23242
GH18	296	E0D23305	324	1.20E-13	5	120	22	162	0.388513514	Emiliana_huxleyi	Haptophyte	GH18_E0D23305	Haptophyte	Ehux	Ehux_E0D23305	Ehux_E0D23305
GH1	429	E0D23342	456	1.10E-132	3	404	18	455	0.934731935	Emiliana_huxleyi	Haptophyte	GH1_E0D23342	Haptophyte	Ehux	Ehux_E0D23342	Ehux_E0D23342
GH3	216	E0D23358	527	9.70E-19	24	90	137	203	0.305555556	Emiliana_huxleyi	Haptophyte	GH3_E0D23358	Haptophyte	Ehux	Ehux_E0D23358	Ehux_E0D23358
GH3	216	E0D23358	527	1.10E-12	136	215	214	314	0.365740741	Emiliana_huxleyi	Haptophyte	GH3_E0D23358	Haptophyte	Ehux	Ehux_E0D23358	Ehux_E0D23358
GT29	247	E0D23455	178	2.10E-14	138	236	61	158	0.396761134	Emiliana_huxleyi	Haptophyte	GT29_E0D23455	Haptophyte	Ehux	Ehux_E0D23455	Ehux_E0D23455
GT31	192	E0D23591	401	6.70E-14	2	136	34	196	0.697916667	Emiliana_huxleyi	Haptophyte	GT31_E0D23591	Haptophyte	Ehux	Ehux_E0D23591	Ehux_E0D23591
AA11	191	E0D23731	468	2.40E-19	2	156	17	170	0.806282723	Emiliana_huxleyi	Haptophyte	AA11_E0D23731	Haptophyte	Ehux	Ehux_E0D23731	Ehux_E0D23731
GT8	257	E0D23739	897	9.40E-11	36	251	587	814	0.836575876	Emiliana_huxleyi	Haptophyte	GT8_E0D23739	Haptophyte	Ehux	Ehux_E0D23739	Ehux_E0D23739
GT31	192	E0D23781	293	1.90E-12	2	168	24	187	0.864583333	Emiliana_huxleyi	Haptophyte	GT31_E0D23781	Haptophyte	Ehux	Ehux_E0D23781	Ehux_E0D23781
GH5	275	E0D23906	565	1.30E-13	79	243	130	405	0.596363636	Emiliana_huxleyi	Haptophyte	GH5_E0D23906	Haptophyte	Ehux	Ehux_E0D23906	Ehux_E0D23906
GT77	216	E0D23933	999	0.00000018	2	81	257	327	0.365740741	Emiliana_huxleyi	Haptophyte	GT77_E0D23933	Haptophyte	Ehux	Ehux_E0D23933	Ehux_E0D23933
CE1	227	E0D23941	1237	0.00000028	101	208	900	1027	0.471365639	Emiliana_huxleyi	Haptophyte	CE1_E0D23941	Haptophyte	Ehux	Ehux_E0D23941	Ehux_E0D23941
CBM48	76	E0D23951	608	8.10E-11	3	45	145	201	0.552631579	Emiliana_huxleyi	Haptophyte	CBM48_E0D23951	Haptophyte	Ehux	Ehux_E0D23951	Ehux_E0D23951
GH13	299	E0D23951	608	0.00000015	43	213	267	456	0.568561873	Emiliana_huxleyi	Haptophyte	GH13_E0D23951	Haptophyte	Ehux	Ehux_E0D23951	Ehux_E0D23951
GT8	257	E0D23978	494	3.90E-13	38	212	44	286	0.677042802	Emiliana_huxleyi	Haptophyte	GT8_E0D23978	Haptophyte	Ehux	Eh	

GT1	382	EOD24024	219	6.50E-31	220	377	23	215	0.410994764	Emiliana_huxleyi	Haptophyte	GT1_EOD24024	Haptophyte	Ehux	Ehux_EOD24024	Ehux_EOD24024
GT47	296	EOD24032	725	1.30E-31	3	296	222	495	0.989864865	Emiliana_huxleyi	Haptophyte	GT47_EOD24032	Haptophyte	Ehux	Ehux_EOD24032	Ehux_EOD24032
AA3	618	EOD24045	4448	2.50E-09	93	390	3788	4232	0.480582524	Emiliana_huxleyi	Haptophyte	AA3_EOD24045	Haptophyte	Ehux	Ehux_EOD24045	Ehux_EOD24045
CBM47	128	EOD24045	4448	5.60E-11	4	128	1213	1365	0.96875	Emiliana_huxleyi	Haptophyte	CBM47_EOD24045	Haptophyte	Ehux	Ehux_EOD24045	Ehux_EOD24045
CBM47	128	EOD24086	2981	1.00E-21	2	80	1989	2068	0.609375	Emiliana_huxleyi	Haptophyte	CBM47_EOD24086	Haptophyte	Ehux	Ehux_EOD24086	Ehux_EOD24086
GH3	216	EOD24095	144	1.10E-44	24	161	6	144	0.634259259	Emiliana_huxleyi	Haptophyte	GH3_EOD24095	Haptophyte	Ehux	Ehux_EOD24095	Ehux_EOD24095
GT8	257	EOD24153	478	4.60E-16	120	252	228	357	0.513618677	Emiliana_huxleyi	Haptophyte	GT8_EOD24153	Haptophyte	Ehux	Ehux_EOD24153	Ehux_EOD24153
GT90	250	EOD24155	732	3.00E-29	58	248	445	667	0.76	Emiliana_huxleyi	Haptophyte	GT90_EOD24155	Haptophyte	Ehux	Ehux_EOD24155	Ehux_EOD24155
GT66	693	EOD24173	957	8.70E-80	156	554	133	672	0.574314574	Emiliana_huxleyi	Haptophyte	GT66_EOD24173	Haptophyte	Ehux	Ehux_EOD24173	Ehux_EOD24173
GH18	296	EOD24215	716	1.80E-45	4	191	394	652	0.631756757	Emiliana_huxleyi	Haptophyte	GH18_EOD24215	Haptophyte	Ehux	Ehux_EOD24215	Ehux_EOD24215
GH19	231	EOD24215	716	6.40E-16	28	157	103	289	0.558441558	Emiliana_huxleyi	Haptophyte	GH19_EOD24215	Haptophyte	Ehux	Ehux_EOD24215	Ehux_EOD24215
GT77	216	EOD24246	703	8.90E-47	2	211	197	417	0.967592593	Emiliana_huxleyi	Haptophyte	GT77_EOD24246	Haptophyte	Ehux	Ehux_EOD24246	Ehux_EOD24246
GT77	216	EOD24246	703	1.50E-09	24	109	570	646	0.393518519	Emiliana_huxleyi	Haptophyte	GT77_EOD24246	Haptophyte	Ehux	Ehux_EOD24246	Ehux_EOD24246
GH19	231	EOD24247	346	2.30E-21	27	160	54	234	0.575757576	Emiliana_huxleyi	Haptophyte	GH19_EOD24247	Haptophyte	Ehux	Ehux_EOD24247	Ehux_EOD24247
AA3	618	EOD24278	582	1.90E-56	88	402	5	547	0.508090615	Emiliana_huxleyi	Haptophyte	AA3_EOD24278	Haptophyte	Ehux	Ehux_EOD24278	Ehux_EOD24278
GT31	192	EOD24284	386	2.60E-13	7	119	83	211	0.583333333	Emiliana_huxleyi	Haptophyte	GT31_EOD24284	Haptophyte	Ehux	Ehux_EOD24284	Ehux_EOD24284
GH8	320	EOD24312	390	6.00E-24	64	316	22	321	0.7875	Emiliana_huxleyi	Haptophyte	GH8_EOD24312	Haptophyte	Ehux	Ehux_EOD24312	Ehux_EOD24312
CE13	355	EOD24346	624	9.90E-41	15	254	15	241	0.673239437	Emiliana_huxleyi	Haptophyte	CE13_EOD24346	Haptophyte	Ehux	Ehux_EOD24346	Ehux_EOD24346
GT4	160	EOD24360	979	1.40E-09	13	117	697	800	0.65	Emiliana_huxleyi	Haptophyte	GT4_EOD24360	Haptophyte	Ehux	Ehux_EOD24360	Ehux_EOD24360
CE10	341	EOD24361	352	2.00E-23	71	307	36	311	0.692082111	Emiliana_huxleyi	Haptophyte	CE10_EOD24361	Haptophyte	Ehux	Ehux_EOD24361	Ehux_EOD24361
CE1	227	EOD24374	235	1.80E-12	23	208	26	215	0.814977974	Emiliana_huxleyi	Haptophyte	CE1_EOD24374	Haptophyte	Ehux	Ehux_EOD24374	Ehux_EOD24374
GT1	382	EOD24411	478	1.30E-31	3	381	38	440	0.989528796	Emiliana_huxleyi	Haptophyte	GT1_EOD24411	Haptophyte	Ehux	Ehux_EOD24411	Ehux_EOD24411
GH20	337	EOD24441	496	1.20E-40	7	190	146	306	0.543026706	Emiliana_huxleyi	Haptophyte	GH20_EOD24441	Haptophyte	Ehux	Ehux_EOD24441	Ehux_EOD24441
CE1	227	EOD24514	213	0.0000018	20	125	47	152	0.462555066	Emiliana_huxleyi	Haptophyte	CE1_EOD24514	Haptophyte	Ehux	Ehux_EOD24514	Ehux_EOD24514
CE2	209	EOD24530	290	0.000015	93	168	147	221	0.358851675	Emiliana_huxleyi	Haptophyte	CE2_EOD24530	Haptophyte	Ehux	Ehux_EOD24530	Ehux_EOD24530
GH109	126	EOD24531	397	1.90E-10	2	119	24	134	0.928571429	Emiliana_huxleyi	Haptophyte	GH109_EOD24531	Haptophyte	Ehux	Ehux_EOD24531	Ehux_EOD24531
GT25	181	EOD24544	324	0.00000029	67	170	94	205	0.569060774	Emiliana_huxleyi	Haptophyte	GT25_EOD24544	Haptophyte	Ehux	Ehux_EOD24544	Ehux_EOD24544
GH5	275	EOD24625	440	7.50E-39	22	250	122	430	0.829090909	Emiliana_huxleyi	Haptophyte	GH5_EOD24625	Haptophyte	Ehux	Ehux_EOD24625	Ehux_EOD24625
GT8	257	EOD24677	347	6.00E-14	61	248	126	315	0.727626459	Emiliana_huxleyi	Haptophyte	GT8_EOD24677	Haptophyte	Ehux	Ehux_EOD24677	Ehux_EOD24677
GT47	296	EOD24679	635	1.70E-32	3	295	232	570	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD24679	Haptophyte	Ehux	Ehux_EOD24679	Ehux_EOD24679
GH130	296	EOD24686	308	1.30E-29	61	286	96	305	0.760135135	Emiliana_huxleyi	Haptophyte	GH130_EOD24686	Haptophyte	Ehux	Ehux_EOD24686	Ehux_EOD24686
GH28	325	EOD24688	376	1.40E-59	13	303	5	350	0.892307692	Emiliana_huxleyi	Haptophyte	GH28_EOD24688	Haptophyte	Ehux	Ehux_EOD24688	Ehux_EOD24688
GT96	307	EOD24698	421	4.60E-32	3	139	262	407	0.442996743	Emiliana_huxleyi	Haptophyte	GT96_EOD24698	Haptophyte	Ehux	Ehux_EOD24698	Ehux_EOD24698
GH47	446	EOD24728	549	4.90E-134	1	446	46	495	0.997757848	Emiliana_huxleyi	Haptophyte	GH47_EOD24728	Haptophyte	Ehux	Ehux_EOD24728	Ehux_EOD24728
CE10	341	EOD24748	714	0.000000001	141	316	233	423	0.513196481	Emiliana_huxleyi	Haptophyte	CE10_EOD24748	Haptophyte	Ehux	Ehux_EOD24748	Ehux_EOD24748
GT8	257	EOD24817	234	6.40E-15	50	245	14	200	0.758754864	Emiliana_huxleyi	Haptophyte	GT8_EOD24817	Haptophyte	Ehux	Ehux_EOD24817	Ehux_EOD24817
CBM18	38	EOD24859	545	5.30E-09	2	38	68	111	0.947368421	Emiliana_huxleyi	Haptophyte	CBM18_EOD24859	Haptophyte	Ehux	Ehux_EOD24859	Ehux_EOD24859
GT95	294	EOD24870	486	8.00E-56	1	290	148	476	0.982993197	Emiliana_huxleyi	Haptophyte	GT95_EOD24870	Haptophyte	Ehux	Ehux_EOD24870	Ehux_EOD24870
GT4	160	EOD24915	364	0.00000055	66	141	250	326	0.46875	Emiliana_huxleyi	Haptophyte	GT4_EOD24915	Haptophyte	Ehux	Ehux_EOD24915	Ehux_EOD24915
GT64	248	EOD24916	331	1.80E-41	2	233	2	253	0.931451613	Emiliana_huxleyi	Haptophyte	GT64_EOD24916	Haptophyte	Ehux	Ehux_EOD24916	Ehux_EOD24916
GT64	248	EOD24919	251	3.30E-42	1	231	1	251	0.927419355	Emiliana_huxleyi	Haptophyte	GT64_EOD24919	Haptophyte	Ehux	Ehux_EOD24919	Ehux_EOD24919
GT64	248	EOD24922	1112	2.00E-40	1	232	767	1033	0.931451613	Emiliana_huxleyi	Haptophyte	GT64_EOD24922	Haptophyte	Ehux	Ehux_EOD24922	Ehux_EOD24922
GT64	248	EOD24926	506	3.60E-41	1	233	161	428	0.935483871	Emiliana_huxleyi	Haptophyte	GT64_EOD24926	Haptophyte	Ehux	Ehux_EOD24926	Ehux_EOD24926
GT4	160	EOD24927	364	0.00000055	66	141	250	326	0.46875	Emiliana_huxleyi	Haptophyte	GT4_EOD24927	Haptophyte	Ehux	Ehux_EOD24927	Ehux_EOD24927
GT17	284	EOD24928	380	1.80E-20	20	244	5	258	0.788732394	Emiliana_huxleyi	Haptophyte	GT17_EOD24928	Haptophyte	Ehux	Ehux_EOD24928	Ehux_EOD24928
GT17	284	EOD24930	380	1.80E-20	20	244	5	258	0.788732394	Emiliana_huxleyi	Haptophyte	GT17_EOD24930	Haptophyte	Ehux	Ehux_EOD24930	Ehux_EOD24930
GT4	160	EOD24938	472	0.00000088	66	140	358	433	0.4625	Emiliana_huxleyi	Haptophyte	GT4_EOD24938	Haptophyte	Ehux	Ehux_EOD24938	Ehux_EOD24938
GH43	248	EOD24958	418	0.0000021	61	209	49	286	0.596774194	Emiliana_huxleyi	Haptophyte	GH43_EOD24958	Haptophyte	Ehux	Ehux_EOD24958	Ehux_EOD24958
AA3	618	EOD24961	584	5.50E-24	77	397	21	578	0.517799353	Emiliana_huxleyi	Haptophyte	AA3_EOD24961	Haptophyte	Ehux	Ehux_EOD24961	Ehux_EOD24961
GT60	330	EOD24973	403	2.30E-58	2	329	47	353	0.990909091	Emiliana_huxleyi	Haptophyte	GT60_EOD24973	Haptophyte	Ehux	Ehux_EOD24973	Ehux_EOD24973
GT47	296	EOD24994	367	8.60E-30	33	288	14	262	0.861486487	Emiliana_huxleyi	Haptophyte	GT47_EOD24994	Haptophyte	Ehux	Ehux_EOD24994	Ehux_EOD24994
GT8	257	EOD25009	221	6.80E-10	138	255	1	183	0.455252918	Emiliana_huxleyi	Haptophyte	GT8_EOD25009	Haptophyte	Ehux	Ehux_EOD25009	Ehux_EOD25009
GT32	90	EOD25018	584	7.50E-17	7	87	61	136	0.888888889	Emiliana_huxleyi	Haptophyte	GT32_EOD25018	Haptophyte	Ehux	Ehux_EOD25018	Ehux_EOD25018
CE2	209	EOD25059	200	5.20E-16	42	135	1	91	0.444976077	Emiliana_huxleyi	Haptophyte	CE2_EOD25059	Haptophyte	Ehux	Ehux_EOD25059	Ehux_EOD25059
GH109	126	EOD25068	319	0.00000035	1	121	42	161	0.952380952	Emiliana_huxleyi	Haptophyte	GH109_EOD25068	Haptophyte	Ehux	Ehux_EOD25068	Ehux_EOD25068
GH33	342	EOD25079	428	3.60E-60	9	340	62	422	0.967836257	Emiliana_huxleyi	Haptophyte	GH33_EOD25079	Haptophyte	Ehux	Ehux_EOD25079	Ehux_EOD25079
GH79	455	EOD25080	455	9.60E-13	4	226	40	253	0.487912088	Emiliana_huxleyi	Haptophyte	GH79_EOD25080	Haptophyte	Ehux	Ehux_EOD25080	Ehux_EOD25080
GH79	455	EOD25080	455	0.000000012	268	451	260	435	0.402197802	Emiliana_huxleyi	Haptophyte	GH79_EOD25080	Haptophyte	Ehux	Ehux_EOD25080	Ehux_EOD25080
GT29	247	EOD25089	334	1.90E-17	19	187	83	257	0.680161943	Emiliana_huxleyi	Haptophyte	GT29_EOD25089	Haptophyte	Ehux	Ehux_EOD25089	Ehux_EOD25089
GT20	475	EOD25091	967	7.50E-105	9	470	131	606	0.970526316	Emiliana_huxleyi	Haptophyte	GT20_EOD25091	Haptophyte	Ehux	Ehux_EOD25091	Ehux_EOD25091
GT8	257	EOD25103	477	1.10E-10	118	235	275	407	0.455252918	Emiliana_huxleyi	Haptophyte	GT8_EOD25103	Haptophyte	Ehux	Ehux_EOD25103	Ehux_EOD25103
GH30	417	EOD25117	590	3.40E-31	5	147	57	216	0.340527578	Emiliana_huxleyi	Haptophyte	GH30_EOD25117	Haptophyte	Ehux	Ehux_EOD25117	Ehux_EOD25117
GH28	325	EOD25133	239	9.20E-21	12	164	53	224	0.467692308	Emiliana_huxleyi	Haptophyte	GH28_EOD25133	Haptophyte	Ehux	Ehux_EOD25133	Ehux_EOD25133
GH28	325	EOD25134	263	5.70E-11	188	323	6	155	0.415384615	Emiliana_huxleyi	Haptophyte	GH28_EOD25134	Haptophyte	Ehux	Ehux_EOD25134	Ehux_EOD25134
GT4	160	EOD25152	548	1.80E-17	40	125	317	400	0.53125	Emiliana_huxleyi	Haptophyte	GT4_EOD25152	Haptophyte	Ehux	Ehux_EOD25152	Ehux_EOD25152
GT12	134	EOD25215	714	7.90E-21	7	97	31	123	0.671641791	Emiliana_huxleyi	Haptophyte	GT12_EOD25215	Haptophyte	Ehux	Ehux_EOD25215	Ehux_EOD25215
GT31	192	EOD25215	714	3.50E-28	2	181	357	551	0.932291667	Emiliana_huxleyi	Haptophyte	GT31_EOD25215	Haptophyte	Ehux	Ehux_EOD25215	Ehux_EOD25215
AA7	458	EOD25224	756	8.20E-34	17	170	129	297	0.334061135	Emiliana_huxleyi	Haptophyte	AA7_EOD25224	Haptophyte	Ehux	Ehux_EOD25224	Ehux_EOD25224
GT20	475	EOD25244	574	3.30E-101	201	463	108	380	0.551578947	Emiliana_huxleyi	Haptophyte	GT20_EOD25244	Haptophyte	Ehux	Ehux_EOD25244	Ehux_EOD25244
CBM1	29	EOD25288	878	0.000011	3	29	112	139	0.896551724	Emiliana_huxleyi	Haptophyte	CBM1_EOD25288	Haptophyte	Ehux	Ehux_EOD25288	Ehux_EOD25288
GT20	475	EOD25328	1043	4.80E-37	206	450	395	654	0.5							

GH43	248	EOD25354	380	1.00E-16	20	234	37	295	0.862903226	Emiliana_huxleyi	Haptophyte	GH43_EOD25354	Haptophyte	Ehux	Ehux_EOD25354	Ehux_EOD25354
GH10	303	EOD25359	293	1.80E-19	177	299	21	139	0.402640264	Emiliana_huxleyi	Haptophyte	GH10_EOD25359	Haptophyte	Ehux	Ehux_EOD25359	Ehux_EOD25359
GH47	446	EOD25368	654	8.90E-37	284	445	36	185	0.360986547	Emiliana_huxleyi	Haptophyte	GH47_EOD25368	Haptophyte	Ehux	Ehux_EOD25368	Ehux_EOD25368
GH47	446	EOD25369	246	1.60E-62	2	223	29	235	0.495515695	Emiliana_huxleyi	Haptophyte	GH47_EOD25369	Haptophyte	Ehux	Ehux_EOD25369	Ehux_EOD25369
GT95	294	EOD25397	259	1.50E-52	1	210	25	254	0.710884354	Emiliana_huxleyi	Haptophyte	GT95_EOD25397	Haptophyte	Ehux	Ehux_EOD25397	Ehux_EOD25397
GH79	455	EOD25410	354	1.70E-48	6	338	10	354	0.72967033	Emiliana_huxleyi	Haptophyte	GH79_EOD25410	Haptophyte	Ehux	Ehux_EOD25410	Ehux_EOD25410
CE1	227	EOD25419	351	1.30E-32	7	217	32	293	0.925110132	Emiliana_huxleyi	Haptophyte	CE1_EOD25419	Haptophyte	Ehux	Ehux_EOD25419	Ehux_EOD25419
GT24	248	EOD25484	575	1.10E-98	2	248	294	540	0.991935484	Emiliana_huxleyi	Haptophyte	GT24_EOD25484	Haptophyte	Ehux	Ehux_EOD25484	Ehux_EOD25484
GT47	296	EOD25506	331	1.60E-21	173	296	122	268	0.415540541	Emiliana_huxleyi	Haptophyte	GT47_EOD25506	Haptophyte	Ehux	Ehux_EOD25506	Ehux_EOD25506
GT28	157	EOD25512	501	1.10E-25	1	156	214	377	0.987261147	Emiliana_huxleyi	Haptophyte	GT28_EOD25512	Haptophyte	Ehux	Ehux_EOD25512	Ehux_EOD25512
GT47	296	EOD25543	487	3.10E-15	129	280	178	348	0.510135135	Emiliana_huxleyi	Haptophyte	GT47_EOD25543	Haptophyte	Ehux	Ehux_EOD25543	Ehux_EOD25543
GT32	90	EOD25545	190	0.000048	59	88	1	30	0.322222222	Emiliana_huxleyi	Haptophyte	GT32_EOD25545	Haptophyte	Ehux	Ehux_EOD25545	Ehux_EOD25545
GT47	296	EOD25588	495	3.60E-32	3	294	121	435	0.983108108	Emiliana_huxleyi	Haptophyte	GT47_EOD25588	Haptophyte	Ehux	Ehux_EOD25588	Ehux_EOD25588
GH109	126	EOD25604	364	0.000000065	2	105	39	147	0.817460318	Emiliana_huxleyi	Haptophyte	GH109_EOD25604	Haptophyte	Ehux	Ehux_EOD25604	Ehux_EOD25604
GH20	337	EOD25625	536	2.30E-67	7	336	146	459	0.976261128	Emiliana_huxleyi	Haptophyte	GH20_EOD25625	Haptophyte	Ehux	Ehux_EOD25625	Ehux_EOD25625
GT77	216	EOD25650	661	8.50E-34	2	215	148	376	0.986111111	Emiliana_huxleyi	Haptophyte	GT77_EOD25650	Haptophyte	Ehux	Ehux_EOD25650	Ehux_EOD25650
GT32	90	EOD25671	345	1.90E-14	7	87	96	172	0.888888888	Emiliana_huxleyi	Haptophyte	GT32_EOD25671	Haptophyte	Ehux	Ehux_EOD25671	Ehux_EOD25671
GT29	247	EOD25672	670	2.00E-34	30	246	440	669	0.874493927	Emiliana_huxleyi	Haptophyte	GT29_EOD25672	Haptophyte	Ehux	Ehux_EOD25672	Ehux_EOD25672
GT8	257	EOD25672	670	1.90E-10	106	252	147	298	0.568093385	Emiliana_huxleyi	Haptophyte	GT8_EOD25672	Haptophyte	Ehux	Ehux_EOD25672	Ehux_EOD25672
CE10	341	EOD25703	1076	9.60E-28	58	335	773	1065	0.812316716	Emiliana_huxleyi	Haptophyte	CE10_EOD25703	Haptophyte	Ehux	Ehux_EOD25703	Ehux_EOD25703
GH5	275	EOD25737	344	0.000000073	36	147	185	339	0.403636364	Emiliana_huxleyi	Haptophyte	GH5_EOD25737	Haptophyte	Ehux	Ehux_EOD25737	Ehux_EOD25737
AA7	458	EOD25797	793	7.70E-48	14	184	313	487	0.371179039	Emiliana_huxleyi	Haptophyte	AA7_EOD25797	Haptophyte	Ehux	Ehux_EOD25797	Ehux_EOD25797
AA7	458	EOD25815	582	8.80E-50	7	160	133	285	0.334061135	Emiliana_huxleyi	Haptophyte	AA7_EOD25815	Haptophyte	Ehux	Ehux_EOD25815	Ehux_EOD25815
GT96	307	EOD25838	730	2.80E-67	3	284	30	363	0.915309446	Emiliana_huxleyi	Haptophyte	GT96_EOD25838	Haptophyte	Ehux	Ehux_EOD25838	Ehux_EOD25838
AA3	618	EOD25873	642	6.20E-99	87	406	34	636	0.51618123	Emiliana_huxleyi	Haptophyte	AA3_EOD25873	Haptophyte	Ehux	Ehux_EOD25873	Ehux_EOD25873
GT77	216	EOD25951	556	1.10E-42	5	216	28	324	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD25951	Haptophyte	Ehux	Ehux_EOD25951	Ehux_EOD25951
GT90	250	EOD25998	479	6.50E-41	2	246	96	386	0.976	Emiliana_huxleyi	Haptophyte	GT90_EOD25998	Haptophyte	Ehux	Ehux_EOD25998	Ehux_EOD25998
GT47	296	EOD25999	743	6.00E-16	4	161	402	548	0.530405405	Emiliana_huxleyi	Haptophyte	GT47_EOD25999	Haptophyte	Ehux	Ehux_EOD25999	Ehux_EOD25999
CBM40	179	EOD26032	707	0.00023	86	172	263	343	0.480446927	Emiliana_huxleyi	Haptophyte	CBM40_EOD26032	Haptophyte	Ehux	Ehux_EOD26032	Ehux_EOD26032
GT8	257	EOD26035	626	5.30E-10	107	255	106	314	0.575875486	Emiliana_huxleyi	Haptophyte	GT8_EOD26035	Haptophyte	Ehux	Ehux_EOD26035	Ehux_EOD26035
GT95	294	EOD26096	333	8.40E-47	1	207	119	332	0.700680272	Emiliana_huxleyi	Haptophyte	GT95_EOD26096	Haptophyte	Ehux	Ehux_EOD26096	Ehux_EOD26096
GT95	294	EOD26155	372	4.00E-42	1	183	107	304	0.619047619	Emiliana_huxleyi	Haptophyte	GT95_EOD26155	Haptophyte	Ehux	Ehux_EOD26155	Ehux_EOD26155
GT77	216	EOD26182	324	1.20E-09	48	162	99	201	0.527777778	Emiliana_huxleyi	Haptophyte	GT77_EOD26182	Haptophyte	Ehux	Ehux_EOD26182	Ehux_EOD26182
GT96	307	EOD26244	586	3.80E-26	173	274	297	393	0.328990228	Emiliana_huxleyi	Haptophyte	GT96_EOD26244	Haptophyte	Ehux	Ehux_EOD26244	Ehux_EOD26244
GT96	307	EOD26244	586	3.30E-24	1	95	18	125	0.306188925	Emiliana_huxleyi	Haptophyte	GT96_EOD26244	Haptophyte	Ehux	Ehux_EOD26244	Ehux_EOD26244
CBM1	29	EOD26249	400	0.0005	2	27	286	311	0.862068966	Emiliana_huxleyi	Haptophyte	CBM1_EOD26249	Haptophyte	Ehux	Ehux_EOD26249	Ehux_EOD26249
GH45	198	EOD26303	403	4.80E-23	16	195	148	368	0.904040404	Emiliana_huxleyi	Haptophyte	GH45_EOD26303	Haptophyte	Ehux	Ehux_EOD26303	Ehux_EOD26303
GT90	250	EOD26363	606	1.30E-23	2	250	179	464	0.992	Emiliana_huxleyi	Haptophyte	GT90_EOD26363	Haptophyte	Ehux	Ehux_EOD26363	Ehux_EOD26363
GT2	168	EOD26365	612	1.80E-10	1	106	32	148	0.625	Emiliana_huxleyi	Haptophyte	GT2_EOD26365	Haptophyte	Ehux	Ehux_EOD26365	Ehux_EOD26365
GH27	375	EOD26396	412	3.20E-15	140	317	156	299	0.472	Emiliana_huxleyi	Haptophyte	GH27_EOD26396	Haptophyte	Ehux	Ehux_EOD26396	Ehux_EOD26396
GT67	315	EOD26398	402	7.70E-16	134	284	79	268	0.476190476	Emiliana_huxleyi	Haptophyte	GT67_EOD26398	Haptophyte	Ehux	Ehux_EOD26398	Ehux_EOD26398
GT47	296	EOD26420	778	3.20E-10	169	293	534	685	0.418918919	Emiliana_huxleyi	Haptophyte	GT47_EOD26420	Haptophyte	Ehux	Ehux_EOD26420	Ehux_EOD26420
CBM67	176	EOD26424	1063	4.40E-11	16	148	135	283	0.75	Emiliana_huxleyi	Haptophyte	CBM67_EOD26424	Haptophyte	Ehux	Ehux_EOD26424	Ehux_EOD26424
GH78	504	EOD26424	1063	6.90E-102	2	488	335	847	0.964285714	Emiliana_huxleyi	Haptophyte	GH78_EOD26424	Haptophyte	Ehux	Ehux_EOD26424	Ehux_EOD26424
GH109	126	EOD26432	446	5.80E-13	1	120	64	175	0.944444444	Emiliana_huxleyi	Haptophyte	GH109_EOD26432	Haptophyte	Ehux	Ehux_EOD26432	Ehux_EOD26432
GT1	382	EOD26452	431	2.20E-28	23	379	60	422	0.931937173	Emiliana_huxleyi	Haptophyte	GT1_EOD26452	Haptophyte	Ehux	Ehux_EOD26452	Ehux_EOD26452
GT31	192	EOD26454	712	0.000000022	60	183	80	234	0.640625	Emiliana_huxleyi	Haptophyte	GT31_EOD26454	Haptophyte	Ehux	Ehux_EOD26454	Ehux_EOD26454
GH28	325	EOD26476	801	2.00E-52	58	286	410	714	0.701538462	Emiliana_huxleyi	Haptophyte	GH28_EOD26476	Haptophyte	Ehux	Ehux_EOD26476	Ehux_EOD26476
GT47	296	EOD26587	630	2.60E-24	32	260	296	529	0.77027027	Emiliana_huxleyi	Haptophyte	GT47_EOD26587	Haptophyte	Ehux	Ehux_EOD26587	Ehux_EOD26587
GT47	296	EOD26608	687	1.00E-42	4	296	288	631	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD26608	Haptophyte	Ehux	Ehux_EOD26608	Ehux_EOD26608
CE10	341	EOD26626	334	2.40E-32	67	276	47	245	0.612903226	Emiliana_huxleyi	Haptophyte	CE10_EOD26626	Haptophyte	Ehux	Ehux_EOD26626	Ehux_EOD26626
GT47	296	EOD26675	905	2.80E-27	33	287	449	760	0.858108108	Emiliana_huxleyi	Haptophyte	GT47_EOD26675	Haptophyte	Ehux	Ehux_EOD26675	Ehux_EOD26675
GT90	250	EOD26712	145	2.70E-28	127	248	8	130	0.484	Emiliana_huxleyi	Haptophyte	GT90_EOD26712	Haptophyte	Ehux	Ehux_EOD26712	Ehux_EOD26712
CBM47	128	EOD26731	325	3.30E-16	35	126	38	125	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD26731	Haptophyte	Ehux	Ehux_EOD26731	Ehux_EOD26731
CBM47	128	EOD26731	325	3.30E-16	35	126	159	246	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD26731	Haptophyte	Ehux	Ehux_EOD26731	Ehux_EOD26731
GH3	216	EOD26816	618	3.10E-68	3	216	50	269	0.986111111	Emiliana_huxleyi	Haptophyte	GH3_EOD26816	Haptophyte	Ehux	Ehux_EOD26816	Ehux_EOD26816
GT2	168	EOD26833	223	2.40E-11	1	115	11	192	0.678571429	Emiliana_huxleyi	Haptophyte	GT2_EOD26833	Haptophyte	Ehux	Ehux_EOD26833	Ehux_EOD26833
GT2	168	EOD26834	338	6.40E-12	1	167	11	250	0.988095238	Emiliana_huxleyi	Haptophyte	GT2_EOD26834	Haptophyte	Ehux	Ehux_EOD26834	Ehux_EOD26834
CE10	341	EOD26854	382	0.000000013	65	213	49	227	0.434017595	Emiliana_huxleyi	Haptophyte	CE10_EOD26854	Haptophyte	Ehux	Ehux_EOD26854	Ehux_EOD26854
GT25	181	EOD26866	442	3.80E-13	55	125	253	325	0.386740332	Emiliana_huxleyi	Haptophyte	GT25_EOD26866	Haptophyte	Ehux	Ehux_EOD26866	Ehux_EOD26866
GH63	570	EOD26985	531	4.00E-14	365	558	159	507	0.338596491	Emiliana_huxleyi	Haptophyte	GH63_EOD26985	Haptophyte	Ehux	Ehux_EOD26985	Ehux_EOD26985
CE10	341	EOD27017	574	5.60E-35	70	215	111	276	0.425219941	Emiliana_huxleyi	Haptophyte	CE10_EOD27017	Haptophyte	Ehux	Ehux_EOD27017	Ehux_EOD27017
GT47	296	EOD27145	647	1.00E-29	173	295	81	229	0.412162162	Emiliana_huxleyi	Haptophyte	GT47_EOD27145	Haptophyte	Ehux	Ehux_EOD27145	Ehux_EOD27145
CE1	227	EOD27155	232	0.000000075	24	104	117	207	0.352422908	Emiliana_huxleyi	Haptophyte	CE1_EOD27155	Haptophyte	Ehux	Ehux_EOD27155	Ehux_EOD27155
GT2	168	EOD27174	728	5.00E-27	2	167	186	363	0.982142857	Emiliana_huxleyi	Haptophyte	GT2_EOD27174	Haptophyte	Ehux	Ehux_EOD27174	Ehux_EOD27174
GH3	216	EOD27190	144	1.10E-44	24	161	6	144	0.634259259	Emiliana_huxleyi	Haptophyte	GH3_EOD27190	Haptophyte	Ehux	Ehux_EOD27190	Ehux_EOD27190
GT29	247	EOD27204	236	1.10E-17	38	242	15	199	0.825910931	Emiliana_huxleyi	Haptophyte	GT29_EOD27204	Haptophyte	Ehux	Ehux_EOD27204	Ehux_EOD27204
GT1	382	EOD27311	715	1.60E-13	206	334	441	621	0.335078534	Emiliana_huxleyi	Haptophyte	GT1_EOD27311	Haptophyte	Ehux	Ehux_EOD27311	Ehux_EOD27311
CBM47	128	EOD27321	218	4.30E-17	34	126	124	212	0.71875	Emiliana_huxleyi	Haptophyte	CBM47_EOD27321	Haptophyte	Ehux	Ehux_EOD27321	Ehux_EOD27321
CBM47	128	EOD27321	218	8.70E-17	36	126	5	91	0.703125	Emiliana_huxleyi	Haptophyte	CBM47_EOD27321	Haptophyte	Ehux	Ehux_EOD27321	Ehux_EOD27321
GH3	216	EOD27337	953	5.10E-62	7	207	90	308	0							

GT31	192	EOD27349	337	1.10E-15	19	182	25	210	0.848958333	Emiliana_huxleyi	Haptophyte	GT31_EOD27349	Haptophyte	Ehux	Ehux_EOD27349	Ehux_EOD27349
CE2	209	EOD27360	915	1.20E-11	2	111	187	302	0.521531101	Emiliana_huxleyi	Haptophyte	CE2_EOD27360	Haptophyte	Ehux	Ehux_EOD27360	Ehux_EOD27360
GT32	90	EOD27389	297	1.00E-16	8	87	39	114	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_EOD27389	Haptophyte	Ehux	Ehux_EOD27389	Ehux_EOD27389
GH110	548	EOD27401	623	3.80E-09	217	521	240	558	0.554744526	Emiliana_huxleyi	Haptophyte	GH110_EOD27401	Haptophyte	Ehux	Ehux_EOD27401	Ehux_EOD27401
	90	EOD27440	366	2.80E-14	13	86	146	215	0.811111111	Emiliana_huxleyi	Haptophyte	GT32_EOD27440	Haptophyte	Ehux	Ehux_EOD27440	Ehux_EOD27440
GT11	276	EOD27529	824	0.00000014	145	248	668	774	0.373188406	Emiliana_huxleyi	Haptophyte	GT11_EOD27529	Haptophyte	Ehux	Ehux_EOD27529	Ehux_EOD27529
GT8	257	EOD27529	824	0.000000023	108	252	309	458	0.560311284	Emiliana_huxleyi	Haptophyte	GT8_EOD27529	Haptophyte	Ehux	Ehux_EOD27529	Ehux_EOD27529
GT95	294	EOD27592	436	2.60E-73	10	294	20	318	0.965986395	Emiliana_huxleyi	Haptophyte	GT95_EOD27592	Haptophyte	Ehux	Ehux_EOD27592	Ehux_EOD27592
GT31	192	EOD27687	372	1.50E-24	2	191	63	279	0.984375	Emiliana_huxleyi	Haptophyte	GT31_EOD27687	Haptophyte	Ehux	Ehux_EOD27687	Ehux_EOD27687
CE10	341	EOD27705	617	9.00E-22	82	308	298	555	0.662756598	Emiliana_huxleyi	Haptophyte	CE10_EOD27705	Haptophyte	Ehux	Ehux_EOD27705	Ehux_EOD27705
GH32	293	EOD27726	746	2.40E-19	9	292	55	353	0.965870307	Emiliana_huxleyi	Haptophyte	GH32_EOD27726	Haptophyte	Ehux	Ehux_EOD27726	Ehux_EOD27726
CE13	355	EOD27776	424	8.50E-50	13	256	6	260	0.684507042	Emiliana_huxleyi	Haptophyte	CE13_EOD27776	Haptophyte	Ehux	Ehux_EOD27776	Ehux_EOD27776
GH19	231	EOD27844	346	2.30E-21	27	160	54	234	0.575757576	Emiliana_huxleyi	Haptophyte	GH19_EOD27844	Haptophyte	Ehux	Ehux_EOD27844	Ehux_EOD27844
GT20	475	EOD27850	775	2.00E-119	10	469	337	773	0.96631579	Emiliana_huxleyi	Haptophyte	GT20_EOD27850	Haptophyte	Ehux	Ehux_EOD27850	Ehux_EOD27850
CE6	99	EOD27890	256	2.40E-11	5	83	170	248	0.787878788	Emiliana_huxleyi	Haptophyte	CE6_EOD27890	Haptophyte	Ehux	Ehux_EOD27890	Ehux_EOD27890
GT64	248	EOD27908	221	7.30E-33	2	142	60	206	0.564516129	Emiliana_huxleyi	Haptophyte	GT64_EOD27908	Haptophyte	Ehux	Ehux_EOD27908	Ehux_EOD27908
GT77	216	EOD27912	371	0.00000013	55	158	75	165	0.476851852	Emiliana_huxleyi	Haptophyte	GT77_EOD27912	Haptophyte	Ehux	Ehux_EOD27912	Ehux_EOD27912
GH10	303	EOD28020	388	6.00E-34	9	299	42	335	0.95709571	Emiliana_huxleyi	Haptophyte	GH10_EOD28020	Haptophyte	Ehux	Ehux_EOD28020	Ehux_EOD28020
GH47	446	EOD28029	929	2.80E-53	171	445	169	406	0.614349776	Emiliana_huxleyi	Haptophyte	GH47_EOD28029	Haptophyte	Ehux	Ehux_EOD28029	Ehux_EOD28029
GT2	168	EOD28050	494	0.0000027	2	166	107	268	0.976190476	Emiliana_huxleyi	Haptophyte	GT2_EOD28050	Haptophyte	Ehux	Ehux_EOD28050	Ehux_EOD28050
GT14	250	EOD28093	628	1.00E-28	13	222	123	327	0.836	Emiliana_huxleyi	Haptophyte	GT14_EOD28093	Haptophyte	Ehux	Ehux_EOD28093	Ehux_EOD28093
GT11	276	EOD28094	710	0.00000009	145	248	563	669	0.373188406	Emiliana_huxleyi	Haptophyte	GT11_EOD28094	Haptophyte	Ehux	Ehux_EOD28094	Ehux_EOD28094
GT8	257	EOD28094	710	0.00000005	107	247	230	375	0.544747082	Emiliana_huxleyi	Haptophyte	GT8_EOD28094	Haptophyte	Ehux	Ehux_EOD28094	Ehux_EOD28094
CE10	341	EOD28095	576	1.90E-31	81	319	133	430	0.697947214	Emiliana_huxleyi	Haptophyte	CE10_EOD28095	Haptophyte	Ehux	Ehux_EOD28095	Ehux_EOD28095
CBM13	188	EOD28163	155	0.00001	15	134	48	116	0.632978723	Emiliana_huxleyi	Haptophyte	CBM13_EOD28163	Haptophyte	Ehux	Ehux_EOD28163	Ehux_EOD28163
GT20	475	EOD28175	943	5.00E-97	6	474	73	588	0.985263158	Emiliana_huxleyi	Haptophyte	GT20_EOD28175	Haptophyte	Ehux	Ehux_EOD28175	Ehux_EOD28175
GT14	250	EOD28186	268	4.00E-25	1	122	63	181	0.484	Emiliana_huxleyi	Haptophyte	GT14_EOD28186	Haptophyte	Ehux	Ehux_EOD28186	Ehux_EOD28186
GT31	192	EOD28366	520	1.30E-13	2	136	34	196	0.697916667	Emiliana_huxleyi	Haptophyte	GT31_EOD28366	Haptophyte	Ehux	Ehux_EOD28366	Ehux_EOD28366
GT95	294	EOD28375	553	2.70E-73	1	294	112	422	0.99659864	Emiliana_huxleyi	Haptophyte	GT95_EOD28375	Haptophyte	Ehux	Ehux_EOD28375	Ehux_EOD28375
GH30	417	EOD28394	367	1.50E-82	15	326	17	364	0.745803357	Emiliana_huxleyi	Haptophyte	GH30_EOD28394	Haptophyte	Ehux	Ehux_EOD28394	Ehux_EOD28394
GT32	90	EOD28413	250	0.00000013	21	85	67	129	0.711111111	Emiliana_huxleyi	Haptophyte	GT32_EOD28413	Haptophyte	Ehux	Ehux_EOD28413	Ehux_EOD28413
GH109	126	EOD28430	445	0.00085	73	123	106	156	0.396825397	Emiliana_huxleyi	Haptophyte	GH109_EOD28430	Haptophyte	Ehux	Ehux_EOD28430	Ehux_EOD28430
CE10	341	EOD28435	406	3.60E-36	62	310	55	347	0.727272727	Emiliana_huxleyi	Haptophyte	CE10_EOD28435	Haptophyte	Ehux	Ehux_EOD28435	Ehux_EOD28435
GT8	257	EOD28465	1227	4.20E-12	28	194	99	283	0.645914397	Emiliana_huxleyi	Haptophyte	GT8_EOD28465	Haptophyte	Ehux	Ehux_EOD28465	Ehux_EOD28465
GT8	257	EOD28471	387	0.0000037	109	231	105	257	0.474708171	Emiliana_huxleyi	Haptophyte	GT8_EOD28471	Haptophyte	Ehux	Ehux_EOD28471	Ehux_EOD28471
CE1	227	EOD28487	522	8.60E-18	6	142	77	268	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD28487	Haptophyte	Ehux	Ehux_EOD28487	Ehux_EOD28487
GT77	216	EOD28488	940	6.60E-29	5	210	265	543	0.949074074	Emiliana_huxleyi	Haptophyte	GT77_EOD28488	Haptophyte	Ehux	Ehux_EOD28488	Ehux_EOD28488
GH31	427	EOD28499	713	3.00E-155	2	427	129	580	0.995316159	Emiliana_huxleyi	Haptophyte	GH31_EOD28499	Haptophyte	Ehux	Ehux_EOD28499	Ehux_EOD28499
GH30	417	EOD28522	577	9.30E-39	14	175	139	301	0.386091127	Emiliana_huxleyi	Haptophyte	GH30_EOD28522	Haptophyte	Ehux	Ehux_EOD28522	Ehux_EOD28522
GH30	417	EOD28522	577	5.80E-13	208	396	309	526	0.450839329	Emiliana_huxleyi	Haptophyte	GH30_EOD28522	Haptophyte	Ehux	Ehux_EOD28522	Ehux_EOD28522
GT60	330	EOD28526	581	1.70E-66	1	328	206	565	0.990909091	Emiliana_huxleyi	Haptophyte	GT60_EOD28526	Haptophyte	Ehux	Ehux_EOD28526	Ehux_EOD28526
GH43	248	EOD28557	349	1.10E-19	23	191	45	256	0.677419355	Emiliana_huxleyi	Haptophyte	GH43_EOD28557	Haptophyte	Ehux	Ehux_EOD28557	Ehux_EOD28557
GH37	491	EOD28622	532	8.70E-126	1	491	21	508	0.99796334	Emiliana_huxleyi	Haptophyte	GH37_EOD28622	Haptophyte	Ehux	Ehux_EOD28622	Ehux_EOD28622
GT77	216	EOD28629	688	3.20E-31	5	216	103	339	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD28629	Haptophyte	Ehux	Ehux_EOD28629	Ehux_EOD28629
CE12	210	EOD28704	302	1.80E-14	1	159	15	170	0.752380952	Emiliana_huxleyi	Haptophyte	CE12_EOD28704	Haptophyte	Ehux	Ehux_EOD28704	Ehux_EOD28704
AA2	255	EOD28782	262	9.00E-58	17	254	15	254	0.929411765	Emiliana_huxleyi	Haptophyte	AA2_EOD28782	Haptophyte	Ehux	Ehux_EOD28782	Ehux_EOD28782
CE1	227	EOD28821	369	9.80E-12	7	141	84	232	0.59030837	Emiliana_huxleyi	Haptophyte	CE1_EOD28821	Haptophyte	Ehux	Ehux_EOD28821	Ehux_EOD28821
CE10	341	EOD28853	510	6.20E-21	127	233	5	123	0.31085044	Emiliana_huxleyi	Haptophyte	CE10_EOD28853	Haptophyte	Ehux	Ehux_EOD28853	Ehux_EOD28853
GT4	160	EOD28872	442	0.00042	101	157	2	57	0.35	Emiliana_huxleyi	Haptophyte	GT4_EOD28872	Haptophyte	Ehux	Ehux_EOD28872	Ehux_EOD28872
GT8	257	EOD28966	680	0.00000045	105	234	143	299	0.501945525	Emiliana_huxleyi	Haptophyte	GT8_EOD28966	Haptophyte	Ehux	Ehux_EOD28966	Ehux_EOD28966
CE10	341	EOD28971	292	0.0000013	72	216	42	181	0.42228739	Emiliana_huxleyi	Haptophyte	CE10_EOD28971	Haptophyte	Ehux	Ehux_EOD28971	Ehux_EOD28971
CE7	313	EOD28971	292	0.00000057	160	287	124	253	0.405750799	Emiliana_huxleyi	Haptophyte	CE7_EOD28971	Haptophyte	Ehux	Ehux_EOD28971	Ehux_EOD28971
GH33	342	EOD29042	480	7.00E-47	15	266	34	336	0.733918129	Emiliana_huxleyi	Haptophyte	GH33_EOD29042	Haptophyte	Ehux	Ehux_EOD29042	Ehux_EOD29042
CE1	227	EOD29051	236	1.70E-21	78	221	69	229	0.629955947	Emiliana_huxleyi	Haptophyte	CE1_EOD29051	Haptophyte	Ehux	Ehux_EOD29051	Ehux_EOD29051
CE6	99	EOD29053	738	0.000068	45	96	306	351	0.515151515	Emiliana_huxleyi	Haptophyte	CE6_EOD29053	Haptophyte	Ehux	Ehux_EOD29053	Ehux_EOD29053
CE1	227	EOD29081	390	3.60E-13	6	197	67	356	0.841409692	Emiliana_huxleyi	Haptophyte	CE1_EOD29081	Haptophyte	Ehux	Ehux_EOD29081	Ehux_EOD29081
GT66	693	EOD29101	895	4.60E-138	10	533	37	700	0.754689755	Emiliana_huxleyi	Haptophyte	GT66_EOD29101	Haptophyte	Ehux	Ehux_EOD29101	Ehux_EOD29101
GT77	216	EOD29126	673	2.70E-28	48	216	127	324	0.777777778	Emiliana_huxleyi	Haptophyte	GT77_EOD29126	Haptophyte	Ehux	Ehux_EOD29126	Ehux_EOD29126
GT47	296	EOD29185	892	3.00E-16	7	255	623	889	0.837837838	Emiliana_huxleyi	Haptophyte	GT47_EOD29185	Haptophyte	Ehux	Ehux_EOD29185	Ehux_EOD29185
CBM13	188	EOD29201	970	0.0000013	27	94	854	926	0.356382979	Emiliana_huxleyi	Haptophyte	CBM13_EOD29201	Haptophyte	Ehux	Ehux_EOD29201	Ehux_EOD29201
GT8	257	EOD29217	411	3.70E-24	30	254	21	315	0.871595331	Emiliana_huxleyi	Haptophyte	GT8_EOD29217	Haptophyte	Ehux	Ehux_EOD29217	Ehux_EOD29217
GT47	296	EOD29240	666	3.10E-52	4	296	239	566	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD29240	Haptophyte	Ehux	Ehux_EOD29240	Ehux_EOD29240
AA6	195	EOD29257	249	0.0000007	14	91	50	139	0.394871795	Emiliana_huxleyi	Haptophyte	AA6_EOD29257	Haptophyte	Ehux	Ehux_EOD29257	Ehux_EOD29257
GT2	168	EOD29265	597	0.0000025	1	83	32	125	0.488095238	Emiliana_huxleyi	Haptophyte	GT2_EOD29265	Haptophyte	Ehux	Ehux_EOD29265	Ehux_EOD29265
GT8	257	EOD29279	649	1.10E-11	91	208	146	335	0.455252918	Emiliana_huxleyi	Haptophyte	GT8_EOD29279	Haptophyte	Ehux	Ehux_EOD29279	Ehux_EOD29279
GT47	296	EOD29312	367	5.00E-31	33	288	14	262	0.861486487	Emiliana_huxleyi	Haptophyte	GT47_EOD29312	Haptophyte	Ehux	Ehux_EOD29312	Ehux_EOD29312
CE1	227	EOD29320	241	0.0000032	56	212	53	223	0.68722467	Emiliana_huxleyi	Haptophyte	CE1_EOD29320	Haptophyte	Ehux	Ehux_EOD29320	Ehux_EOD29320
CE4	130	EOD29321	238	2.30E-16	10	119	37	160	0.838461539	Emiliana_huxleyi	Haptophyte	CE4_EOD29321	Haptophyte	Ehux	Ehux_EOD29321	Ehux_EOD29321
GT60	330	EOD29330	403	1.50E-58	2	329	47	353	0.990909091	Emiliana_huxleyi	Haptophyte	GT60_EOD29330	Haptophyte	Ehux	Ehux_EOD29330	Ehux_EOD29330
AA3	618	EOD29347	582	4.00E-25	77	397	21	578	0.517799353	Emiliana_huxleyi	Haptophyte	AA3_EOD29347	Haptophyte	Ehux	Ehux_EOD29347	Ehux_EOD29347
GH43	248	EOD29351	418	0.0000021	61	209	4									

GT47	296	EOD29411	656	8.00E-24	12	139	306	457	0.429054054	Emiliana_huxleyi	Haptophyte	GT47_EOD29411	Haptophyte	Ehux	Ehux_EOD29411	Ehux_EOD29411
GT40	211	EOD29421	760	0.00028	23	93	87	154	0.331753555	Emiliana_huxleyi	Haptophyte	GT40_EOD29421	Haptophyte	Ehux	Ehux_EOD29421	Ehux_EOD29421
GH18	296	EOD29468	620	3.80E-61	4	251	283	620	0.83445946	Emiliana_huxleyi	Haptophyte	GH18_EOD29468	Haptophyte	Ehux	Ehux_EOD29468	Ehux_EOD29468
GH19	231	EOD29468	620	1.00E-12	59	156	9	154	0.41991342	Emiliana_huxleyi	Haptophyte	GH19_EOD29468	Haptophyte	Ehux	Ehux_EOD29468	Ehux_EOD29468
GT1	382	EOD29519	418	3.10E-44	4	381	6	412	0.986910995	Emiliana_huxleyi	Haptophyte	GT1_EOD29519	Haptophyte	Ehux	Ehux_EOD29519	Ehux_EOD29519
GT27	295	EOD29521	369	1.60E-60	1	293	6	290	0.989830509	Emiliana_huxleyi	Haptophyte	GT27_EOD29521	Haptophyte	Ehux	Ehux_EOD29521	Ehux_EOD29521
GH2	752	EOD29558	540	1.20E-59	22	487	11	539	0.618351064	Emiliana_huxleyi	Haptophyte	GH2_EOD29558	Haptophyte	Ehux	Ehux_EOD29558	Ehux_EOD29558
GT96	307	EOD29568	161	6.00E-36	1	123	18	155	0.397394137	Emiliana_huxleyi	Haptophyte	GT96_EOD29568	Haptophyte	Ehux	Ehux_EOD29568	Ehux_EOD29568
GT29	247	EOD29649	322	1.30E-09	150	243	183	295	0.376518219	Emiliana_huxleyi	Haptophyte	GT29_EOD29649	Haptophyte	Ehux	Ehux_EOD29649	Ehux_EOD29649
GH5	275	EOD29661	712	3.70E-44	8	242	114	431	0.850909091	Emiliana_huxleyi	Haptophyte	GH5_EOD29661	Haptophyte	Ehux	Ehux_EOD29661	Ehux_EOD29661
GT49	337	EOD29694	177	1.20E-11	59	195	13	148	0.403560831	Emiliana_huxleyi	Haptophyte	GT49_EOD29694	Haptophyte	Ehux	Ehux_EOD29694	Ehux_EOD29694
GH17	311	EOD29782	331	6.40E-40	13	306	25	330	0.942122187	Emiliana_huxleyi	Haptophyte	GH17_EOD29782	Haptophyte	Ehux	Ehux_EOD29782	Ehux_EOD29782
GH3	216	EOD29796	652	1.90E-44	4	201	57	267	0.912037037	Emiliana_huxleyi	Haptophyte	GH3_EOD29796	Haptophyte	Ehux	Ehux_EOD29796	Ehux_EOD29796
CBM32	124	EOD29932	2550	1.50E-09	11	106	1059	1165	0.766129032	Emiliana_huxleyi	Haptophyte	CBM32_EOD29932	Haptophyte	Ehux	Ehux_EOD29932	Ehux_EOD29932
GT77	216	EOD29958	401	2.00E-51	2	212	28	249	0.972222222	Emiliana_huxleyi	Haptophyte	GT77_EOD29958	Haptophyte	Ehux	Ehux_EOD29958	Ehux_EOD29958
GT31	192	EOD30028	1405	2.00E-15	9	164	1001	1184	0.807291667	Emiliana_huxleyi	Haptophyte	GT31_EOD30028	Haptophyte	Ehux	Ehux_EOD30028	Ehux_EOD30028
CE3	194	EOD30045	352	8.50E-10	37	188	60	240	0.778350516	Emiliana_huxleyi	Haptophyte	CE3_EOD30045	Haptophyte	Ehux	Ehux_EOD30045	Ehux_EOD30045
CE10	341	EOD30074	424	5.70E-38	91	331	141	370	0.703812317	Emiliana_huxleyi	Haptophyte	CE10_EOD30074	Haptophyte	Ehux	Ehux_EOD30074	Ehux_EOD30074
GH51	630	EOD30108	726	1.70E-50	115	542	251	722	0.677777777	Emiliana_huxleyi	Haptophyte	GH51_EOD30108	Haptophyte	Ehux	Ehux_EOD30108	Ehux_EOD30108
GT31	192	EOD30126	429	1.30E-13	7	159	41	275	0.791666667	Emiliana_huxleyi	Haptophyte	GT31_EOD30126	Haptophyte	Ehux	Ehux_EOD30126	Ehux_EOD30126
AA7	458	EOD30220	509	3.80E-68	41	458	26	500	0.910480349	Emiliana_huxleyi	Haptophyte	AA7_EOD30220	Haptophyte	Ehux	Ehux_EOD30220	Ehux_EOD30220
AA3	618	EOD30257	1236	2.60E-10	93	390	568	1012	0.480582524	Emiliana_huxleyi	Haptophyte	AA3_EOD30257	Haptophyte	Ehux	Ehux_EOD30257	Ehux_EOD30257
CBM47	128	EOD30258	366	1.60E-16	34	126	65	153	0.71875	Emiliana_huxleyi	Haptophyte	CBM47_EOD30258	Haptophyte	Ehux	Ehux_EOD30258	Ehux_EOD30258
CBM47	128	EOD30258	366	1.70E-16	35	126	266	353	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD30258	Haptophyte	Ehux	Ehux_EOD30258	Ehux_EOD30258
CE3	194	EOD30294	384	1.10E-09	37	188	60	240	0.778350516	Emiliana_huxleyi	Haptophyte	CE3_EOD30294	Haptophyte	Ehux	Ehux_EOD30294	Ehux_EOD30294
GT29	247	EOD30350	669	4.00E-34	30	244	439	666	0.866396761	Emiliana_huxleyi	Haptophyte	GT29_EOD30350	Haptophyte	Ehux	Ehux_EOD30350	Ehux_EOD30350
GT8	257	EOD30350	669	4.50E-10	114	252	155	297	0.536964981	Emiliana_huxleyi	Haptophyte	GT8_EOD30350	Haptophyte	Ehux	Ehux_EOD30350	Ehux_EOD30350
GT32	90	EOD30351	345	1.90E-14	7	87	96	172	0.888888889	Emiliana_huxleyi	Haptophyte	GT32_EOD30351	Haptophyte	Ehux	Ehux_EOD30351	Ehux_EOD30351
CBM50	40	EOD30374	203	6.30E-10	1	39	99	140	0.95	Emiliana_huxleyi	Haptophyte	CBM50_EOD30374	Haptophyte	Ehux	Ehux_EOD30374	Ehux_EOD30374
GH18	296	EOD30413	331	3.70E-22	3	195	88	326	0.648648649	Emiliana_huxleyi	Haptophyte	GH18_EOD30413	Haptophyte	Ehux	Ehux_EOD30413	Ehux_EOD30413
GT29	247	EOD30416	373	2.00E-12	16	245	127	371	0.927125506	Emiliana_huxleyi	Haptophyte	GT29_EOD30416	Haptophyte	Ehux	Ehux_EOD30416	Ehux_EOD30416
AA7	458	EOD30486	670	2.80E-13	14	188	79	258	0.379912664	Emiliana_huxleyi	Haptophyte	AA7_EOD30486	Haptophyte	Ehux	Ehux_EOD30486	Ehux_EOD30486
GT2	168	EOD30526	432	3.00E-20	1	87	23	115	0.511904762	Emiliana_huxleyi	Haptophyte	GT2_EOD30526	Haptophyte	Ehux	Ehux_EOD30526	Ehux_EOD30526
GT1	382	EOD30549	703	5.30E-23	147	381	116	386	0.612565445	Emiliana_huxleyi	Haptophyte	GT1_EOD30549	Haptophyte	Ehux	Ehux_EOD30549	Ehux_EOD30549
GH16	189	EOD30593	420	1.20E-24	4	176	5	181	0.91005291	Emiliana_huxleyi	Haptophyte	GH16_EOD30593	Haptophyte	Ehux	Ehux_EOD30593	Ehux_EOD30593
GT8	257	EOD30641	502	2.70E-17	120	252	237	366	0.513618677	Emiliana_huxleyi	Haptophyte	GT8_EOD30641	Haptophyte	Ehux	Ehux_EOD30641	Ehux_EOD30641
AA2	255	EOD30680	232	1.20E-11	171	254	141	223	0.325490196	Emiliana_huxleyi	Haptophyte	AA2_EOD30680	Haptophyte	Ehux	Ehux_EOD30680	Ehux_EOD30680
GT77	216	EOD30688	587	3.20E-26	5	216	97	341	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD30688	Haptophyte	Ehux	Ehux_EOD30688	Ehux_EOD30688
GT15	273	EOD30697	508	6.30E-26	16	272	202	470	0.937728938	Emiliana_huxleyi	Haptophyte	GT15_EOD30697	Haptophyte	Ehux	Ehux_EOD30697	Ehux_EOD30697
GT2	168	EOD30730	211	5.90E-11	3	118	10	109	0.68452381	Emiliana_huxleyi	Haptophyte	GT2_EOD30730	Haptophyte	Ehux	Ehux_EOD30730	Ehux_EOD30730
CBM47	128	EOD30754	475	6.40E-16	35	126	378	465	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD30754	Haptophyte	Ehux	Ehux_EOD30754	Ehux_EOD30754
CBM47	128	EOD30754	475	9.80E-16	35	126	257	344	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD30754	Haptophyte	Ehux	Ehux_EOD30754	Ehux_EOD30754
GT47	296	EOD30773	420	4.40E-17	155	294	191	390	0.469594595	Emiliana_huxleyi	Haptophyte	GT47_EOD30773	Haptophyte	Ehux	Ehux_EOD30773	Ehux_EOD30773
CE1	227	EOD30871	325	0.0000006	13	142	13	150	0.568281938	Emiliana_huxleyi	Haptophyte	CE1_EOD30871	Haptophyte	Ehux	Ehux_EOD30871	Ehux_EOD30871
GT77	216	EOD30901	509	1.10E-12	46	207	174	347	0.74537037	Emiliana_huxleyi	Haptophyte	GT77_EOD30901	Haptophyte	Ehux	Ehux_EOD30901	Ehux_EOD30901
GT47	296	EOD30943	682	0.000000017	59	259	230	540	0.675675676	Emiliana_huxleyi	Haptophyte	GT47_EOD30943	Haptophyte	Ehux	Ehux_EOD30943	Ehux_EOD30943
GT32	90	EOD31035	853	3.90E-10	45	83	548	587	0.422222222	Emiliana_huxleyi	Haptophyte	GT32_EOD31035	Haptophyte	Ehux	Ehux_EOD31035	Ehux_EOD31035
GH16	189	EOD31106	656	1.70E-44	2	189	370	604	0.989417989	Emiliana_huxleyi	Haptophyte	GH16_EOD31106	Haptophyte	Ehux	Ehux_EOD31106	Ehux_EOD31106
CE10	341	EOD31126	153	0.0000021	201	329	19	129	0.375366569	Emiliana_huxleyi	Haptophyte	CE10_EOD31126	Haptophyte	Ehux	Ehux_EOD31126	Ehux_EOD31126
GT77	216	EOD31131	312	2.40E-26	69	214	124	290	0.671296296	Emiliana_huxleyi	Haptophyte	GT77_EOD31131	Haptophyte	Ehux	Ehux_EOD31131	Ehux_EOD31131
GT90	250	EOD31142	492	1.60E-22	21	247	138	380	0.904	Emiliana_huxleyi	Haptophyte	GT90_EOD31142	Haptophyte	Ehux	Ehux_EOD31142	Ehux_EOD31142
GT4	160	EOD31162	697	3.00E-11	12	123	201	349	0.69375	Emiliana_huxleyi	Haptophyte	GT4_EOD31162	Haptophyte	Ehux	Ehux_EOD31162	Ehux_EOD31162
CE10	341	EOD31196	668	9.90E-16	93	308	342	611	0.630498534	Emiliana_huxleyi	Haptophyte	CE10_EOD31196	Haptophyte	Ehux	Ehux_EOD31196	Ehux_EOD31196
CE1	227	EOD31245	244	0.00081	56	135	84	154	0.348017621	Emiliana_huxleyi	Haptophyte	CE1_EOD31245	Haptophyte	Ehux	Ehux_EOD31245	Ehux_EOD31245
CE1	227	EOD31247	163	0.00061	56	132	82	149	0.334801762	Emiliana_huxleyi	Haptophyte	CE1_EOD31247	Haptophyte	Ehux	Ehux_EOD31247	Ehux_EOD31247
CBM32	124	EOD31250	725	3.10E-17	8	107	490	605	0.798387097	Emiliana_huxleyi	Haptophyte	CBM32_EOD31250	Haptophyte	Ehux	Ehux_EOD31250	Ehux_EOD31250
GH43	248	EOD31250	725	6.00E-29	8	242	185	456	0.943548387	Emiliana_huxleyi	Haptophyte	GH43_EOD31250	Haptophyte	Ehux	Ehux_EOD31250	Ehux_EOD31250
GT77	216	EOD31315	862	9.00E-41	3	216	186	473	0.986111111	Emiliana_huxleyi	Haptophyte	GT77_EOD31315	Haptophyte	Ehux	Ehux_EOD31315	Ehux_EOD31315
CE3	194	EOD31327	258	4.10E-18	1	192	3	238	0.984536083	Emiliana_huxleyi	Haptophyte	CE3_EOD31327	Haptophyte	Ehux	Ehux_EOD31327	Ehux_EOD31327
GT77	216	EOD31357	531	1.80E-09	53	127	145	232	0.342592593	Emiliana_huxleyi	Haptophyte	GT77_EOD31357	Haptophyte	Ehux	Ehux_EOD31357	Ehux_EOD31357
CE1	227	EOD31359	344	0.0000024	20	126	47	153	0.466960352	Emiliana_huxleyi	Haptophyte	CE1_EOD31359	Haptophyte	Ehux	Ehux_EOD31359	Ehux_EOD31359
CE1	227	EOD31367	309	8.80E-25	11	182	63	229	0.753303965	Emiliana_huxleyi	Haptophyte	CE1_EOD31367	Haptophyte	Ehux	Ehux_EOD31367	Ehux_EOD31367
GH110	548	EOD31380	788	2.90E-09	107	436	137	522	0.600364964	Emiliana_huxleyi	Haptophyte	GH110_EOD31380	Haptophyte	Ehux	Ehux_EOD31380	Ehux_EOD31380
CE1	227	EOD31397	130	6.10E-12	26	137	3	130	0.488986784	Emiliana_huxleyi	Haptophyte	CE1_EOD31397	Haptophyte	Ehux	Ehux_EOD31397	Ehux_EOD31397
GT24	248	EOD31415	162	2.60E-56	127	248	1	128	0.487903226	Emiliana_huxleyi	Haptophyte	GT24_EOD31415	Haptophyte	Ehux	Ehux_EOD31415	Ehux_EOD31415
GT25	181	EOD31420	296	2.50E-25	5	122	20	136	0.64640884	Emiliana_huxleyi	Haptophyte	GT25_EOD31420	Haptophyte	Ehux	Ehux_EOD31420	Ehux_EOD31420
GT47	296	EOD31538	381	2.50E-29	51	291	3	268	0.810810811	Emiliana_huxleyi	Haptophyte	GT47_EOD31538	Haptophyte	Ehux	Ehux_EOD31538	Ehux_EOD31538
GT77	216	EOD31550	562	1.10E-42	5	216	34	330	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD31550	Haptophyte	Ehux	Ehux_EOD31550	Ehux_EOD31550
GT77	216	EOD31599	1268	3.10E-29	7	216	504	849	0.967592593	Emiliana_huxleyi	Haptophyte	GT77_EOD31599	Haptophyte	Ehux	Ehux_EOD31599	Ehux_EOD31599
CE10	341	EOD31628	561	8.50E-32	70	243	89	282	0.507331378	Emiliana_huxleyi	Haptophyte	CE10_EOD31628	Haptophyte	Ehux	Ehux_EOD31628	Ehux_EOD31628
GH2	752	EOD31641	968	2.20E-40	87	394	129	556	0.4							

GT32	90	E0D31684	330	2.10E-09	49	86	200	237	0.411111111	Emiliania_huxleyi	Haptophyte	GT32_E0D31684	Haptophyte	Ehux	Ehux_E0D31684	Ehux_E0D31684
CE1	227	E0D31692	317	0.00000018	12	211	37	299	0.876651982	Emiliania_huxleyi	Haptophyte	CE1_E0D31692	Haptophyte	Ehux	Ehux_E0D31692	Ehux_E0D31692
GT47	296	E0D31736	654	2.50E-38	5	247	277	584	0.817567568	Emiliania_huxleyi	Haptophyte	GT47_E0D31736	Haptophyte	Ehux	Ehux_E0D31736	Ehux_E0D31736
GH3	216	E0D31755	830	1.80E-18	24	90	137	203	0.305555556	Emiliania_huxleyi	Haptophyte	GH3_E0D31755	Haptophyte	Ehux	Ehux_E0D31755	Ehux_E0D31755
GH3	216	E0D31755	830	2.20E-12	136	215	214	314	0.365740741	Emiliania_huxleyi	Haptophyte	GH3_E0D31755	Haptophyte	Ehux	Ehux_E0D31755	Ehux_E0D31755
GH117	211	E0D31815	401	4.00E-11	39	158	103	243	0.563981043	Emiliania_huxleyi	Haptophyte	GH117_E0D31815	Haptophyte	Ehux	Ehux_E0D31815	Ehux_E0D31815
CE1	227	E0D31899	322	0.000000011	6	125	54	170	0.524229075	Emiliania_huxleyi	Haptophyte	CE1_E0D31899	Haptophyte	Ehux	Ehux_E0D31899	Ehux_E0D31899
GT8	257	E0D31927	162	0.000000015	158	254	16	125	0.373540856	Emiliania_huxleyi	Haptophyte	GT8_E0D31927	Haptophyte	Ehux	Ehux_E0D31927	Ehux_E0D31927
AA2	255	E0D31980	293	7.30E-55	12	253	30	280	0.945098039	Emiliania_huxleyi	Haptophyte	AA2_E0D31980	Haptophyte	Ehux	Ehux_E0D31980	Ehux_E0D31980
GH5	275	E0D31990	376	2.60E-18	59	234	49	322	0.636363636	Emiliania_huxleyi	Haptophyte	GH5_E0D31990	Haptophyte	Ehux	Ehux_E0D31990	Ehux_E0D31990
GT32	90	E0D31991	277	5.30E-10	41	80	67	106	0.433333333	Emiliania_huxleyi	Haptophyte	GT32_E0D31991	Haptophyte	Ehux	Ehux_E0D31991	Ehux_E0D31991
GH33	342	E0D31999	375	1.20E-38	14	342	52	367	0.959064328	Emiliania_huxleyi	Haptophyte	GH33_E0D31999	Haptophyte	Ehux	Ehux_E0D31999	Ehux_E0D31999
CE3	194	E0D32008	302	1.10E-13	3	194	84	297	0.984536083	Emiliania_huxleyi	Haptophyte	CE3_E0D32008	Haptophyte	Ehux	Ehux_E0D32008	Ehux_E0D32008
GH28	325	E0D32018	771	2.50E-48	13	306	102	468	0.901538462	Emiliania_huxleyi	Haptophyte	GH28_E0D32018	Haptophyte	Ehux	Ehux_E0D32018	Ehux_E0D32018
GT77	216	E0D32056	780	6.50E-15	2	161	463	614	0.736111111	Emiliania_huxleyi	Haptophyte	GT77_E0D32056	Haptophyte	Ehux	Ehux_E0D32056	Ehux_E0D32056
GT77	216	E0D32098	771	1.70E-23	5	210	123	416	0.949074074	Emiliania_huxleyi	Haptophyte	GT77_E0D32098	Haptophyte	Ehux	Ehux_E0D32098	Ehux_E0D32098
GT77	216	E0D32105	429	0.0000063	4	96	144	236	0.425925926	Emiliania_huxleyi	Haptophyte	GT77_E0D32105	Haptophyte	Ehux	Ehux_E0D32105	Ehux_E0D32105
GT32	90	E0D32163	387	1.20E-12	5	79	150	222	0.822222222	Emiliania_huxleyi	Haptophyte	GT32_E0D32163	Haptophyte	Ehux	Ehux_E0D32163	Ehux_E0D32163
GH17	311	E0D32165	370	2.40E-37	19	306	51	353	0.922829582	Emiliania_huxleyi	Haptophyte	GH17_E0D32165	Haptophyte	Ehux	Ehux_E0D32165	Ehux_E0D32165
GT32	90	E0D32186	342	1.90E-10	14	81	50	136	0.744444444	Emiliania_huxleyi	Haptophyte	GT32_E0D32186	Haptophyte	Ehux	Ehux_E0D32186	Ehux_E0D32186
GT47	296	E0D32373	156	1.00E-10	19	119	44	145	0.337837838	Emiliania_huxleyi	Haptophyte	GT47_E0D32373	Haptophyte	Ehux	Ehux_E0D32373	Ehux_E0D32373
CE12	210	E0D32398	273	0.00000021	3	156	6	183	0.728571429	Emiliania_huxleyi	Haptophyte	CE12_E0D32398	Haptophyte	Ehux	Ehux_E0D32398	Ehux_E0D32398
CE3	194	E0D32398	273	0.0000049	133	194	157	215	0.31443299	Emiliania_huxleyi	Haptophyte	CE3_E0D32398	Haptophyte	Ehux	Ehux_E0D32398	Ehux_E0D32398
AA10	178	E0D32409	700	0.000000055	1	177	20	199	0.988764045	Emiliania_huxleyi	Haptophyte	AA10_E0D32409	Haptophyte	Ehux	Ehux_E0D32409	Ehux_E0D32409
CE10	341	E0D32413	496	3.60E-12	142	324	239	432	0.53372434	Emiliania_huxleyi	Haptophyte	CE10_E0D32413	Haptophyte	Ehux	Ehux_E0D32413	Ehux_E0D32413
CE7	313	E0D32413	496	4.70E-10	52	203	157	294	0.482428115	Emiliania_huxleyi	Haptophyte	CE7_E0D32413	Haptophyte	Ehux	Ehux_E0D32413	Ehux_E0D32413
GH30	417	E0D32429	736	4.90E-39	15	168	48	231	0.366906475	Emiliania_huxleyi	Haptophyte	GH30_E0D32429	Haptophyte	Ehux	Ehux_E0D32429	Ehux_E0D32429
GH30	417	E0D32429	736	6.00E-13	223	367	253	421	0.345323741	Emiliania_huxleyi	Haptophyte	GH30_E0D32429	Haptophyte	Ehux	Ehux_E0D32429	Ehux_E0D32429
GT25	181	E0D32446	156	7.20E-26	5	121	14	129	0.640883978	Emiliania_huxleyi	Haptophyte	GT25_E0D32446	Haptophyte	Ehux	Ehux_E0D32446	Ehux_E0D32446
GT25	181	E0D32456	300	2.30E-28	4	180	44	242	0.972375691	Emiliania_huxleyi	Haptophyte	GT25_E0D32456	Haptophyte	Ehux	Ehux_E0D32456	Ehux_E0D32456
CE13	355	E0D32464	522	5.40E-40	10	320	6	329	0.873239437	Emiliania_huxleyi	Haptophyte	CE13_E0D32464	Haptophyte	Ehux	Ehux_E0D32464	Ehux_E0D32464
GT77	216	E0D32472	393	1.30E-51	2	212	14	241	0.972222222	Emiliania_huxleyi	Haptophyte	GT77_E0D32472	Haptophyte	Ehux	Ehux_E0D32472	Ehux_E0D32472
GH16	189	E0D32483	252	7.20E-26	73	189	1	250	0.613756614	Emiliania_huxleyi	Haptophyte	GH16_E0D32483	Haptophyte	Ehux	Ehux_E0D32483	Ehux_E0D32483
GH31	427	E0D32572	1134	1.90E-67	47	373	352	708	0.763466042	Emiliania_huxleyi	Haptophyte	GH31_E0D32572	Haptophyte	Ehux	Ehux_E0D32572	Ehux_E0D32572
CE1	227	E0D32587	558	2.20E-29	8	193	19	234	0.814977974	Emiliania_huxleyi	Haptophyte	CE1_E0D32587	Haptophyte	Ehux	Ehux_E0D32587	Ehux_E0D32587
GH110	548	E0D32618	645	3.60E-10	96	305	185	405	0.381386861	Emiliania_huxleyi	Haptophyte	GH110_E0D32618	Haptophyte	Ehux	Ehux_E0D32618	Ehux_E0D32618
GT31	192	E0D32622	386	2.60E-13	7	119	83	211	0.583333333	Emiliania_huxleyi	Haptophyte	GT31_E0D32622	Haptophyte	Ehux	Ehux_E0D32622	Ehux_E0D32622
CE10	341	E0D32698	633	2.30E-25	73	215	82	245	0.416422287	Emiliania_huxleyi	Haptophyte	CE10_E0D32698	Haptophyte	Ehux	Ehux_E0D32698	Ehux_E0D32698
GT28	157	E0D32719	738	1.40E-28	1	156	309	465	0.987261147	Emiliania_huxleyi	Haptophyte	GT28_E0D32719	Haptophyte	Ehux	Ehux_E0D32719	Ehux_E0D32719
CBM13	188	E0D32744	118	0.00000054	14	89	10	79	0.39893617	Emiliania_huxleyi	Haptophyte	CBM13_E0D32744	Haptophyte	Ehux	Ehux_E0D32744	Ehux_E0D32744
GT19	354	E0D32835	491	2.70E-41	1	145	30	189	0.406779661	Emiliania_huxleyi	Haptophyte	GT19_E0D32835	Haptophyte	Ehux	Ehux_E0D32835	Ehux_E0D32835
GT19	354	E0D32835	491	1.80E-34	139	347	223	453	0.587570622	Emiliania_huxleyi	Haptophyte	GT19_E0D32835	Haptophyte	Ehux	Ehux_E0D32835	Ehux_E0D32835
AA3	618	E0D32856	629	1.30E-92	88	407	51	613	0.51618123	Emiliania_huxleyi	Haptophyte	AA3_E0D32856	Haptophyte	Ehux	Ehux_E0D32856	Ehux_E0D32856
GH74	233	E0D33039	839	8.40E-10	43	138	59	151	0.407725322	Emiliania_huxleyi	Haptophyte	GH74_E0D33039	Haptophyte	Ehux	Ehux_E0D33039	Ehux_E0D33039
GH74	233	E0D33039	839	0.0000074	40	116	682	753	0.326180258	Emiliania_huxleyi	Haptophyte	GH74_E0D33039	Haptophyte	Ehux	Ehux_E0D33039	Ehux_E0D33039
GH5	275	E0D33042	640	6.10E-29	12	240	135	453	0.829090909	Emiliania_huxleyi	Haptophyte	GH5_E0D33042	Haptophyte	Ehux	Ehux_E0D33042	Ehux_E0D33042
GT8	257	E0D33058	933	1.80E-15	30	253	427	742	0.86770428	Emiliania_huxleyi	Haptophyte	GT8_E0D33058	Haptophyte	Ehux	Ehux_E0D33058	Ehux_E0D33058
CE1	227	E0D33126	556	8.80E-10	7	143	45	322	0.599118943	Emiliania_huxleyi	Haptophyte	CE1_E0D33126	Haptophyte	Ehux	Ehux_E0D33126	Ehux_E0D33126
CE10	341	E0D33136	575	5.70E-35	70	215	112	277	0.425219941	Emiliania_huxleyi	Haptophyte	CE10_E0D33136	Haptophyte	Ehux	Ehux_E0D33136	Ehux_E0D33136
GT47	296	E0D33156	467	1.10E-16	173	281	194	316	0.364864865	Emiliania_huxleyi	Haptophyte	GT47_E0D33156	Haptophyte	Ehux	Ehux_E0D33156	Ehux_E0D33156
GH43	248	E0D33262	943	2.00E-21	22	213	59	324	0.77016129	Emiliania_huxleyi	Haptophyte	GH43_E0D33262	Haptophyte	Ehux	Ehux_E0D33262	Ehux_E0D33262
GT29	247	E0D33318	342	7.30E-36	32	243	121	335	0.854251012	Emiliania_huxleyi	Haptophyte	GT29_E0D33318	Haptophyte	Ehux	Ehux_E0D33318	Ehux_E0D33318
CE10	341	E0D33331	286	6.80E-12	94	277	36	283	0.536656892	Emiliania_huxleyi	Haptophyte	CE10_E0D33331	Haptophyte	Ehux	Ehux_E0D33331	Ehux_E0D33331
CE1	227	E0D33392	235	1.80E-12	23	208	26	215	0.814977974	Emiliania_huxleyi	Haptophyte	CE1_E0D33392	Haptophyte	Ehux	Ehux_E0D33392	Ehux_E0D33392
GT31	192	E0D33507	441	4.90E-11	68	189	66	184	0.630208333	Emiliania_huxleyi	Haptophyte	GT31_E0D33507	Haptophyte	Ehux	Ehux_E0D33507	Ehux_E0D33507
GT32	90	E0D33558	701	9.30E-17	7	88	408	484	0.9	Emiliania_huxleyi	Haptophyte	GT32_E0D33558	Haptophyte	Ehux	Ehux_E0D33558	Ehux_E0D33558
GH5	275	E0D33561	1465	1.80E-43	8	241	49	365	0.847272727	Emiliania_huxleyi	Haptophyte	GH5_E0D33561	Haptophyte	Ehux	Ehux_E0D33561	Ehux_E0D33561
GT47	296	E0D33628	303	1.70E-17	52	295	16	227	0.820945946	Emiliania_huxleyi	Haptophyte	GT47_E0D33628	Haptophyte	Ehux	Ehux_E0D33628	Ehux_E0D33628
CBM40	179	E0D33677	856	0.0003	86	172	357	437	0.480446927	Emiliania_huxleyi	Haptophyte	CBM40_E0D33677	Haptophyte	Ehux	Ehux_E0D33677	Ehux_E0D33677
GT8	257	E0D33680	619	5.20E-10	107	255	106	314	0.575875486	Emiliania_huxleyi	Haptophyte	GT8_E0D33680	Haptophyte	Ehux	Ehux_E0D33680	Ehux_E0D33680
GT31	192	E0D33744	189	3.20E-15	2	116	32	149	0.59375	Emiliania_huxleyi	Haptophyte	GT31_E0D33744	Haptophyte	Ehux	Ehux_E0D33744	Ehux_E0D33744
GT77	216	E0D33768	514	4.20E-30	51	216	1	199	0.763888889	Emiliania_huxleyi	Haptophyte	GT77_E0D33768	Haptophyte	Ehux	Ehux_E0D33768	Ehux_E0D33768
GH47	446	E0D33787	764	1.50E-138	1	444	314	747	0.993273543	Emiliania_huxleyi	Haptophyte	GH47_E0D33787	Haptophyte	Ehux	Ehux_E0D33787	Ehux_E0D33787
GT90	250	E0D33816	561	8.80E-13	4	250	144	428	0.984	Emiliania_huxleyi	Haptophyte	GT90_E0D33816	Haptophyte	Ehux	Ehux_E0D33816	Ehux_E0D33816
CE1	227	E0D33884	238	3.90E-09	27	209	23	221	0.801762115	Emiliania_huxleyi	Haptophyte	CE1_E0D33884	Haptophyte	Ehux	Ehux_E0D33884	Ehux_E0D33884
CBM47	128	E0D33903	1005	2.00E-15	35	126	214	301	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_E0D33903	Haptophyte	Ehux	Ehux_E0D33903	Ehux_E0D33903
CBM47	128	E0D33903	1005	2.00E-15	35	126	471	558	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_E0D33903	Haptophyte	Ehux	Ehux_E0D33903	Ehux_E0D33903
CBM47	128	E0D33903	1005	4.40E-15	35	126	910	997	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_E0D33903	Haptophyte	Ehux	Ehux_E0D33903	Ehux_E0D33903
CBM47	128	E0D33903	1005	4.70E-15	35	126	653	740	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_E0D33903	Haptophyte	Ehux		

GT90	250	EOD34076	603	1.30E-23	2	250	176	461	0.992	Emiliana_huxleyi	Haptophyte	GT90_EOD34076	Haptophyte	Ehux	Ehux_EOD34076	Ehux_EOD34076
GT2	168	EOD34077	292	3.20E-11	1	107	32	149	0.630952381	Emiliana_huxleyi	Haptophyte	GT2_EOD34077	Haptophyte	Ehux	Ehux_EOD34077	Ehux_EOD34077
GT32	90	EOD34094	657	1.10E-12	16	86	88	155	0.777777777	Emiliana_huxleyi	Haptophyte	GT32_EOD34094	Haptophyte	Ehux	Ehux_EOD34094	Ehux_EOD34094
GT8	257	EOD34115	639	1.90E-12	108	219	141	257	0.431906615	Emiliana_huxleyi	Haptophyte	GT8_EOD34115	Haptophyte	Ehux	Ehux_EOD34115	Ehux_EOD34115
GT77	216	EOD34140	332	5.50E-23	10	215	114	302	0.949074074	Emiliana_huxleyi	Haptophyte	GT77_EOD34140	Haptophyte	Ehux	Ehux_EOD34140	Ehux_EOD34140
GH2	752	EOD34189	1029	3.10E-120	125	750	160	865	0.831117021	Emiliana_huxleyi	Haptophyte	GH2_EOD34189	Haptophyte	Ehux	Ehux_EOD34189	Ehux_EOD34189
GT28	157	EOD34192	337	1.60E-09	60	146	222	306	0.547770701	Emiliana_huxleyi	Haptophyte	GT28_EOD34192	Haptophyte	Ehux	Ehux_EOD34192	Ehux_EOD34192
CE10	341	EOD34209	566	2.80E-27	76	208	132	290	0.387096774	Emiliana_huxleyi	Haptophyte	CE10_EOD34209	Haptophyte	Ehux	Ehux_EOD34209	Ehux_EOD34209
GT47	296	EOD34226	357	5.80E-12	42	267	26	292	0.760135135	Emiliana_huxleyi	Haptophyte	GT47_EOD34226	Haptophyte	Ehux	Ehux_EOD34226	Ehux_EOD34226
GH5	275	EOD34256	470	5.40E-35	28	240	69	356	0.770909091	Emiliana_huxleyi	Haptophyte	GH5_EOD34256	Haptophyte	Ehux	Ehux_EOD34256	Ehux_EOD34256
GH18	296	EOD34344	977	1.30E-69	4	283	592	955	0.942567568	Emiliana_huxleyi	Haptophyte	GH18_EOD34344	Haptophyte	Ehux	Ehux_EOD34344	Ehux_EOD34344
CBM47	128	EOD34345	767	8.60E-16	35	126	551	638	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD34345	Haptophyte	Ehux	Ehux_EOD34345	Ehux_EOD34345
CBM47	128	EOD34345	767	1.10E-14	35	126	672	759	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD34345	Haptophyte	Ehux	Ehux_EOD34345	Ehux_EOD34345
CBM47	128	EOD34359	1126	2.30E-15	35	126	144	231	0.7109375	Emiliana_huxleyi	Haptophyte	CBM47_EOD34359	Haptophyte	Ehux	Ehux_EOD34359	Ehux_EOD34359
CBM47	128	EOD34359	1126	6.60E-13	35	124	920	1010	0.6953125	Emiliana_huxleyi	Haptophyte	CBM47_EOD34359	Haptophyte	Ehux	Ehux_EOD34359	Ehux_EOD34359
GT4	160	EOD34378	287	2.80E-14	5	147	61	220	0.8875	Emiliana_huxleyi	Haptophyte	GT4_EOD34378	Haptophyte	Ehux	Ehux_EOD34378	Ehux_EOD34378
GT48	739	EOD34380	1976	8.50E-86	231	552	1611	1916	0.434370771	Emiliana_huxleyi	Haptophyte	GT48_EOD34380	Haptophyte	Ehux	Ehux_EOD34380	Ehux_EOD34380
GT47	296	EOD34392	731	1.30E-42	3	296	326	625	0.989864865	Emiliana_huxleyi	Haptophyte	GT47_EOD34392	Haptophyte	Ehux	Ehux_EOD34392	Ehux_EOD34392
GT29	247	EOD34401	1674	5.40E-13	73	236	1455	1667	0.659919028	Emiliana_huxleyi	Haptophyte	GT29_EOD34401	Haptophyte	Ehux	Ehux_EOD34401	Ehux_EOD34401
CE1	227	EOD34409	217	2.30E-10	26	134	16	156	0.475770925	Emiliana_huxleyi	Haptophyte	CE1_EOD34409	Haptophyte	Ehux	Ehux_EOD34409	Ehux_EOD34409
GT1	382	EOD34456	445	2.30E-22	90	369	105	424	0.730366492	Emiliana_huxleyi	Haptophyte	GT1_EOD34456	Haptophyte	Ehux	Ehux_EOD34456	Ehux_EOD34456
GH19	231	EOD34486	979	5.10E-16	47	160	336	495	0.489177489	Emiliana_huxleyi	Haptophyte	GH19_EOD34486	Haptophyte	Ehux	Ehux_EOD34486	Ehux_EOD34486
GT95	294	EOD34519	549	2.00E-61	1	290	146	463	0.982993197	Emiliana_huxleyi	Haptophyte	GT95_EOD34519	Haptophyte	Ehux	Ehux_EOD34519	Ehux_EOD34519
GT32	90	EOD34546	324	7.40E-13	13	86	121	190	0.811111111	Emiliana_huxleyi	Haptophyte	GT32_EOD34546	Haptophyte	Ehux	Ehux_EOD34546	Ehux_EOD34546
GT29	247	EOD34554	261	1.30E-16	17	93	12	90	0.307692308	Emiliana_huxleyi	Haptophyte	GT29_EOD34554	Haptophyte	Ehux	Ehux_EOD34554	Ehux_EOD34554
GH16	189	EOD34564	446	2.50E-13	4	176	65	357	0.91005291	Emiliana_huxleyi	Haptophyte	GH16_EOD34564	Haptophyte	Ehux	Ehux_EOD34564	Ehux_EOD34564
GT47	296	EOD34656	282	1.90E-17	113	294	67	240	0.611486487	Emiliana_huxleyi	Haptophyte	GT47_EOD34656	Haptophyte	Ehux	Ehux_EOD34656	Ehux_EOD34656
CE12	210	EOD34691	238	0.00000022	21	157	12	164	0.647619048	Emiliana_huxleyi	Haptophyte	CE12_EOD34691	Haptophyte	Ehux	Ehux_EOD34691	Ehux_EOD34691
GT60	330	EOD34711	282	7.00E-29	121	239	25	146	0.357575758	Emiliana_huxleyi	Haptophyte	GT60_EOD34711	Haptophyte	Ehux	Ehux_EOD34711	Ehux_EOD34711
GT49	337	EOD34745	913	1.00E-38	64	302	31	292	0.706231454	Emiliana_huxleyi	Haptophyte	GT49_EOD34745	Haptophyte	Ehux	Ehux_EOD34745	Ehux_EOD34745
GT49	337	EOD34745	913	2.50E-31	51	310	318	575	0.768545994	Emiliana_huxleyi	Haptophyte	GT49_EOD34745	Haptophyte	Ehux	Ehux_EOD34745	Ehux_EOD34745
PL14	200	EOD34745	913	4.40E-12	5	196	716	909	0.955	Emiliana_huxleyi	Haptophyte	PL14_EOD34745	Haptophyte	Ehux	Ehux_EOD34745	Ehux_EOD34745
GT49	337	EOD34749	763	1.80E-52	55	303	392	661	0.735905045	Emiliana_huxleyi	Haptophyte	GT49_EOD34749	Haptophyte	Ehux	Ehux_EOD34749	Ehux_EOD34749
CE12	210	EOD34784	302	1.80E-14	1	159	15	170	0.752380952	Emiliana_huxleyi	Haptophyte	CE12_EOD34784	Haptophyte	Ehux	Ehux_EOD34784	Ehux_EOD34784
GT29	247	EOD34788	392	2.00E-25	34	213	89	248	0.724696356	Emiliana_huxleyi	Haptophyte	GT29_EOD34788	Haptophyte	Ehux	Ehux_EOD34788	Ehux_EOD34788
GT90	250	EOD34809	312	6.00E-27	31	242	2	232	0.844	Emiliana_huxleyi	Haptophyte	GT90_EOD34809	Haptophyte	Ehux	Ehux_EOD34809	Ehux_EOD34809
GT47	296	EOD34813	373	7.70E-12	52	264	35	270	0.716216216	Emiliana_huxleyi	Haptophyte	GT47_EOD34813	Haptophyte	Ehux	Ehux_EOD34813	Ehux_EOD34813
GH5	275	EOD34853	466	7.80E-29	30	230	47	332	0.727272727	Emiliana_huxleyi	Haptophyte	GH5_EOD34853	Haptophyte	Ehux	Ehux_EOD34853	Ehux_EOD34853
GT32	90	EOD34860	418	7.30E-10	5	88	77	153	0.922222222	Emiliana_huxleyi	Haptophyte	GT32_EOD34860	Haptophyte	Ehux	Ehux_EOD34860	Ehux_EOD34860
GT8	257	EOD34882	439	5.40E-22	45	246	182	411	0.782101167	Emiliana_huxleyi	Haptophyte	GT8_EOD34882	Haptophyte	Ehux	Ehux_EOD34882	Ehux_EOD34882
GT2	168	EOD34941	179	3.60E-11	3	117	10	108	0.678571429	Emiliana_huxleyi	Haptophyte	GT2_EOD34941	Haptophyte	Ehux	Ehux_EOD34941	Ehux_EOD34941
GH31	427	EOD35002	909	9.30E-67	1	427	205	640	0.99765808	Emiliana_huxleyi	Haptophyte	GH31_EOD35002	Haptophyte	Ehux	Ehux_EOD35002	Ehux_EOD35002
GH16	189	EOD35004	412	1.90E-20	24	189	16	284	0.873015873	Emiliana_huxleyi	Haptophyte	GH16_EOD35004	Haptophyte	Ehux	Ehux_EOD35004	Ehux_EOD35004
GT47	296	EOD35047	265	5.20E-23	190	288	7	99	0.331081081	Emiliana_huxleyi	Haptophyte	GT47_EOD35047	Haptophyte	Ehux	Ehux_EOD35047	Ehux_EOD35047
GT32	90	EOD35070	150	8.80E-18	4	88	2	82	0.933333333	Emiliana_huxleyi	Haptophyte	GT32_EOD35070	Haptophyte	Ehux	Ehux_EOD35070	Ehux_EOD35070
CBM32	124	EOD35111	824	3.70E-17	8	107	589	704	0.798387097	Emiliana_huxleyi	Haptophyte	CBM32_EOD35111	Haptophyte	Ehux	Ehux_EOD35111	Ehux_EOD35111
GH43	248	EOD35111	824	7.00E-28	14	246	308	570	0.935483871	Emiliana_huxleyi	Haptophyte	GH43_EOD35111	Haptophyte	Ehux	Ehux_EOD35111	Ehux_EOD35111
CE1	227	EOD35114	165	0.00063	56	132	84	151	0.334801762	Emiliana_huxleyi	Haptophyte	CE1_EOD35114	Haptophyte	Ehux	Ehux_EOD35114	Ehux_EOD35114
GT90	250	EOD35144	461	3.10E-23	2	248	194	446	0.984	Emiliana_huxleyi	Haptophyte	GT90_EOD35144	Haptophyte	Ehux	Ehux_EOD35144	Ehux_EOD35144
GT15	273	EOD35148	949	5.70E-35	15	272	632	889	0.941391941	Emiliana_huxleyi	Haptophyte	GT15_EOD35148	Haptophyte	Ehux	Ehux_EOD35148	Ehux_EOD35148
GT15	273	EOD35159	1109	7.60E-35	15	272	442	699	0.941391941	Emiliana_huxleyi	Haptophyte	GT15_EOD35159	Haptophyte	Ehux	Ehux_EOD35159	Ehux_EOD35159
GT90	250	EOD35163	487	3.50E-23	2	248	220	472	0.984	Emiliana_huxleyi	Haptophyte	GT90_EOD35163	Haptophyte	Ehux	Ehux_EOD35163	Ehux_EOD35163
GT77	216	EOD35190	457	1.70E-39	5	216	51	310	0.976851852	Emiliana_huxleyi	Haptophyte	GT77_EOD35190	Haptophyte	Ehux	Ehux_EOD35190	Ehux_EOD35190
GT96	307	EOD35230	730	2.80E-67	3	284	30	363	0.915309446	Emiliana_huxleyi	Haptophyte	GT96_EOD35230	Haptophyte	Ehux	Ehux_EOD35230	Ehux_EOD35230
GH55	740	EOD35236	593	1.20E-30	395	623	310	513	0.308108108	Emiliana_huxleyi	Haptophyte	GH55_EOD35236	Haptophyte	Ehux	Ehux_EOD35236	Ehux_EOD35236
AA3	618	EOD35269	643	2.10E-94	87	406	34	637	0.51618123	Emiliana_huxleyi	Haptophyte	AA3_EOD35269	Haptophyte	Ehux	Ehux_EOD35269	Ehux_EOD35269
GT32	90	EOD35275	475	0.000000013	19	85	242	306	0.733333333	Emiliana_huxleyi	Haptophyte	GT32_EOD35275	Haptophyte	Ehux	Ehux_EOD35275	Ehux_EOD35275
GT8	257	EOD35284	360	3.50E-24	43	245	153	353	0.785992218	Emiliana_huxleyi	Haptophyte	GT8_EOD35284	Haptophyte	Ehux	Ehux_EOD35284	Ehux_EOD35284
GT32	90	EOD35430	367	3.10E-13	8	87	167	250	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_EOD35430	Haptophyte	Ehux	Ehux_EOD35430	Ehux_EOD35430
GH35	307	EOD35444	879	9.70E-87	1	293	23	363	0.951140065	Emiliana_huxleyi	Haptophyte	GH35_EOD35444	Haptophyte	Ehux	Ehux_EOD35444	Ehux_EOD35444
GT41	705	EOD35627	486	2.60E-32	303	522	277	432	0.310638298	Emiliana_huxleyi	Haptophyte	GT41_EOD35627	Haptophyte	Ehux	Ehux_EOD35627	Ehux_EOD35627
GT47	296	EOD35660	327	0.0000094	148	259	99	229	0.375	Emiliana_huxleyi	Haptophyte	GT47_EOD35660	Haptophyte	Ehux	Ehux_EOD35660	Ehux_EOD35660
GH109	126	EOD35698	391	0.000000078	18	118	29	126	0.793650794	Emiliana_huxleyi	Haptophyte	GH109_EOD35698	Haptophyte	Ehux	Ehux_EOD35698	Ehux_EOD35698
GT8	257	EOD35707	218	2.80E-13	37	223	30	184	0.723735409	Emiliana_huxleyi	Haptophyte	GT8_EOD35707	Haptophyte	Ehux	Ehux_EOD35707	Ehux_EOD35707
CBM9	182	EOD35715	227	1.50E-32	2	151	25	207	0.818681319	Emiliana_huxleyi	Haptophyte	CBM9_EOD35715	Haptophyte	Ehux	Ehux_EOD35715	Ehux_EOD35715
GT13	395	EOD35727	410	1.90E-91	26	390	47	397	0.921518987	Emiliana_huxleyi	Haptophyte	GT13_EOD35727	Haptophyte	Ehux	Ehux_EOD35727	Ehux_EOD35727
GT32	90	EOD35730	363	1.60E-17	8	87	79	154	0.877777778	Emiliana_huxleyi	Haptophyte	GT32_EOD35730	Haptophyte	Ehux	Ehux_EOD35730	Ehux_EOD35730
GT1	382	EOD35782	571	2.00E-32	256	382	385	535	0.329842932	Emiliana_huxleyi	Haptophyte	GT1_EOD35782	Haptophyte	Ehux	Ehux_EOD35782	Ehux_EOD35782
GT32	90	EOD35800	408	0.0000013	50	81	202	233	0.344444444	Emiliana_huxleyi	Haptophyte	GT32_EOD35800	Haptophyte	Ehux	Ehux_EOD35800	Ehux_EOD35800
GT77	216	EOD35818	330	2.80E-20	5	150	147	308	0.671296296	Emiliana_huxleyi	Haptophyte	GT77_EOD35818	Haptophyte	Ehux	Ehux_EOD35818	Ehux_EOD35818
AA2	255	EOD35827	245	1.20E-31	26	253	1	231	0.8901							

GT8	257	EOD35853	353	7.50E-26	28	254	38	319	0.879377432	Emiliana_huxleyi	Haptophyte	GT8_EOD35853	Haptophyte	Ehux	Ehux_EOD35853	Ehux_EOD35853
GH20	337	EOD35872	275	1.40E-23	169	336	17	240	0.495548961	Emiliana_huxleyi	Haptophyte	GH20_EOD35872	Haptophyte	Ehux	Ehux_EOD35872	Ehux_EOD35872
GT8	257	EOD35906	432	2.10E-12	114	236	74	215	0.474708171	Emiliana_huxleyi	Haptophyte	GT8_EOD35906	Haptophyte	Ehux	Ehux_EOD35906	Ehux_EOD35906
GT31	192	EOD36011	278	5.10E-12	2	128	78	209	0.65625	Emiliana_huxleyi	Haptophyte	GT31_EOD36011	Haptophyte	Ehux	Ehux_EOD36011	Ehux_EOD36011
GH2	752	EOD36018	798	1.10E-152	35	589	58	774	0.736702128	Emiliana_huxleyi	Haptophyte	GH2_EOD36018	Haptophyte	Ehux	Ehux_EOD36018	Ehux_EOD36018
GH16	189	EOD36027	167	0.000000011	84	189	2	163	0.555555556	Emiliana_huxleyi	Haptophyte	GH16_EOD36027	Haptophyte	Ehux	Ehux_EOD36027	Ehux_EOD36027
GH16	189	EOD36189	646	2.20E-20	3	189	37	417	0.984126984	Emiliana_huxleyi	Haptophyte	GH16_EOD36189	Haptophyte	Ehux	Ehux_EOD36189	Ehux_EOD36189
GT8	257	EOD36302	444	3.30E-26	21	254	62	355	0.906614786	Emiliana_huxleyi	Haptophyte	GT8_EOD36302	Haptophyte	Ehux	Ehux_EOD36302	Ehux_EOD36302
GH30	417	EOD36312	736	1.20E-37	15	168	48	231	0.366906475	Emiliana_huxleyi	Haptophyte	GH30_EOD36312	Haptophyte	Ehux	Ehux_EOD36312	Ehux_EOD36312
GH30	417	EOD36312	736	9.00E-13	223	364	253	418	0.338129496	Emiliana_huxleyi	Haptophyte	GH30_EOD36312	Haptophyte	Ehux	Ehux_EOD36312	Ehux_EOD36312
CE10	341	EOD36326	746	2.70E-12	142	324	239	413	0.53372434	Emiliana_huxleyi	Haptophyte	CE10_EOD36326	Haptophyte	Ehux	Ehux_EOD36326	Ehux_EOD36326
CE7	313	EOD36326	746	4.60E-10	52	215	157	305	0.520766773	Emiliana_huxleyi	Haptophyte	CE7_EOD36326	Haptophyte	Ehux	Ehux_EOD36326	Ehux_EOD36326
GT95	294	EOD36415	480	1.40E-55	1	213	119	344	0.721088435	Emiliana_huxleyi	Haptophyte	GT95_EOD36415	Haptophyte	Ehux	Ehux_EOD36415	Ehux_EOD36415
GT47	296	EOD36438	352	3.30E-17	3	295	34	330	0.986486487	Emiliana_huxleyi	Haptophyte	GT47_EOD36438	Haptophyte	Ehux	Ehux_EOD36438	Ehux_EOD36438
GH5	275	EOD36450	1080	1.00E-19	96	240	396	614	0.523636364	Emiliana_huxleyi	Haptophyte	GH5_EOD36450	Haptophyte	Ehux	Ehux_EOD36450	Ehux_EOD36450
GT31	192	EOD36509	697	5.90E-19	33	191	445	633	0.822916667	Emiliana_huxleyi	Haptophyte	GT31_EOD36509	Haptophyte	Ehux	Ehux_EOD36509	Ehux_EOD36509
GT8	257	EOD36509	697	2.40E-16	47	235	1	228	0.73151751	Emiliana_huxleyi	Haptophyte	GT8_EOD36509	Haptophyte	Ehux	Ehux_EOD36509	Ehux_EOD36509
AA9	220	EOD36565	325	1.10E-15	3	193	5	197	0.863636364	Emiliana_huxleyi	Haptophyte	AA9_EOD36565	Haptophyte	Ehux	Ehux_EOD36565	Ehux_EOD36565
GT1	382	EOD36623	545	5.20E-36	66	381	98	470	0.82460733	Emiliana_huxleyi	Haptophyte	GT1_EOD36623	Haptophyte	Ehux	Ehux_EOD36623	Ehux_EOD36623
CBM18	38	EOD36660	545	5.30E-09	2	38	68	111	0.947368421	Emiliana_huxleyi	Haptophyte	CBM18_EOD36660	Haptophyte	Ehux	Ehux_EOD36660	Ehux_EOD36660
GT29	247	EOD36797	315	3.70E-35	29	246	84	314	0.87854251	Emiliana_huxleyi	Haptophyte	GT29_EOD36797	Haptophyte	Ehux	Ehux_EOD36797	Ehux_EOD36797
GT95	294	EOD36846	766	3.50E-55	1	286	138	461	0.969387755	Emiliana_huxleyi	Haptophyte	GT95_EOD36846	Haptophyte	Ehux	Ehux_EOD36846	Ehux_EOD36846
GT1	382	EOD36850	443	4.10E-35	12	379	59	434	0.960732984	Emiliana_huxleyi	Haptophyte	GT1_EOD36850	Haptophyte	Ehux	Ehux_EOD36850	Ehux_EOD36850
GH27	375	EOD36916	304	2.50E-26	4	334	3	304	0.88	Emiliana_huxleyi	Haptophyte	GH27_EOD36916	Haptophyte	Ehux	Ehux_EOD36916	Ehux_EOD36916
GT4	160	EOD36955	423	0.0000024	41	115	258	336	0.4625	Emiliana_huxleyi	Haptophyte	GT4_EOD36955	Haptophyte	Ehux	Ehux_EOD36955	Ehux_EOD36955
CE10	341	EOD36964	584	0.000000037	86	193	226	352	0.313782991	Emiliana_huxleyi	Haptophyte	CE10_EOD36964	Haptophyte	Ehux	Ehux_EOD36964	Ehux_EOD36964
CE1	227	EOD37002	512	2.50E-18	7	143	242	401	0.599118943	Emiliana_huxleyi	Haptophyte	CE1_EOD37002	Haptophyte	Ehux	Ehux_EOD37002	Ehux_EOD37002
CE10	341	EOD37039	501	4.50E-31	77	320	158	403	0.712609971	Emiliana_huxleyi	Haptophyte	CE10_EOD37039	Haptophyte	Ehux	Ehux_EOD37039	Ehux_EOD37039
GT13	395	EOD37108	346	1.80E-69	187	390	126	333	0.513924051	Emiliana_huxleyi	Haptophyte	GT13_EOD37108	Haptophyte	Ehux	Ehux_EOD37108	Ehux_EOD37108
GH45	198	EOD37138	288	7.80E-21	4	194	80	282	0.95959596	Emiliana_huxleyi	Haptophyte	GH45_EOD37138	Haptophyte	Ehux	Ehux_EOD37138	Ehux_EOD37138
GH5	275	EOD37153	620	1.30E-11	10	157	158	383	0.534545455	Emiliana_huxleyi	Haptophyte	GH5_EOD37153	Haptophyte	Ehux	Ehux_EOD37153	Ehux_EOD37153
GT47	296	EOD37172	520	1.80E-29	10	288	8	441	0.939189189	Emiliana_huxleyi	Haptophyte	GT47_EOD37172	Haptophyte	Ehux	Ehux_EOD37172	Ehux_EOD37172
GT1	382	EOD37205	205	8.50E-24	250	381	20	167	0.342931937	Emiliana_huxleyi	Haptophyte	GT1_EOD37205	Haptophyte	Ehux	Ehux_EOD37205	Ehux_EOD37205
GT49	337	EOD37226	257	4.80E-39	124	272	83	235	0.43916914	Emiliana_huxleyi	Haptophyte	GT49_EOD37226	Haptophyte	Ehux	Ehux_EOD37226	Ehux_EOD37226
GT49	337	EOD37229	1330	7.40E-35	129	302	261	449	0.513353116	Emiliana_huxleyi	Haptophyte	GT49_EOD37229	Haptophyte	Ehux	Ehux_EOD37229	Ehux_EOD37229
GT49	337	EOD37229	1330	2.80E-31	54	310	563	931	0.759643917	Emiliana_huxleyi	Haptophyte	GT49_EOD37229	Haptophyte	Ehux	Ehux_EOD37229	Ehux_EOD37229
PL14	200	EOD37229	1330	1.10E-11	6	196	1326	1326	0.95	Emiliana_huxleyi	Haptophyte	PL14_EOD37229	Haptophyte	Ehux	Ehux_EOD37229	Ehux_EOD37229
CE3	194	EOD37257	317	1.40E-15	51	185	145	286	0.69072165	Emiliana_huxleyi	Haptophyte	CE3_EOD37257	Haptophyte	Ehux	Ehux_EOD37257	Ehux_EOD37257
GH5	275	EOD37306	537	3.70E-20	5	231	79	431	0.821818182	Emiliana_huxleyi	Haptophyte	GH5_EOD37306	Haptophyte	Ehux	Ehux_EOD37306	Ehux_EOD37306
GT77	216	EOD37344	764	6.80E-36	2	210	121	412	0.962962963	Emiliana_huxleyi	Haptophyte	GT77_EOD37344	Haptophyte	Ehux	Ehux_EOD37344	Ehux_EOD37344
GH5	275	EOD37347	1080	1.00E-19	96	240	396	614	0.523636364	Emiliana_huxleyi	Haptophyte	GH5_EOD37347	Haptophyte	Ehux	Ehux_EOD37347	Ehux_EOD37347
GH5	275	EOD37348	342	1.00E-11	123	240	1	181	0.425454546	Emiliana_huxleyi	Haptophyte	GH5_EOD37348	Haptophyte	Ehux	Ehux_EOD37348	Ehux_EOD37348
GH37	491	EOD37390	534	8.80E-126	1	491	21	508	0.99796334	Emiliana_huxleyi	Haptophyte	GH37_EOD37390	Haptophyte	Ehux	Ehux_EOD37390	Ehux_EOD37390
CE3	194	EOD37452	260	4.60E-14	3	194	42	255	0.984536083	Emiliana_huxleyi	Haptophyte	CE3_EOD37452	Haptophyte	Ehux	Ehux_EOD37452	Ehux_EOD37452
GT47	296	EOD37489	434	7.60E-21	5	262	33	338	0.868243243	Emiliana_huxleyi	Haptophyte	GT47_EOD37489	Haptophyte	Ehux	Ehux_EOD37489	Ehux_EOD37489
AA6	195	EOD37532	244	0.00000062	14	93	26	115	0.405128205	Emiliana_huxleyi	Haptophyte	AA6_EOD37532	Haptophyte	Ehux	Ehux_EOD37532	Ehux_EOD37532
GT8	257	EOD37545	405	0.000000011	46	200	98	229	0.59922179	Emiliana_huxleyi	Haptophyte	GT8_EOD37545	Haptophyte	Ehux	Ehux_EOD37545	Ehux_EOD37545
CE1	227	EOD37559	269	0.00000014	7	125	2	117	0.519823789	Emiliana_huxleyi	Haptophyte	CE1_EOD37559	Haptophyte	Ehux	Ehux_EOD37559	Ehux_EOD37559
GT31	192	EOD37562	424	7.70E-14	4	165	57	229	0.838541667	Emiliana_huxleyi	Haptophyte	GT31_EOD37562	Haptophyte	Ehux	Ehux_EOD37562	Ehux_EOD37562
GH16	189	EOD37575	813	3.70E-45	8	187	66	289	0.947089947	Emiliana_huxleyi	Haptophyte	GH16_EOD37575	Haptophyte	Ehux	Ehux_EOD37575	Ehux_EOD37575
GH5	275	EOD37584	401	4.30E-22	35	172	153	347	0.498181818	Emiliana_huxleyi	Haptophyte	GH5_EOD37584	Haptophyte	Ehux	Ehux_EOD37584	Ehux_EOD37584
GH18	296	EOD37614	929	2.40E-67	17	282	556	906	0.89527027	Emiliana_huxleyi	Haptophyte	GH18_EOD37614	Haptophyte	Ehux	Ehux_EOD37614	Ehux_EOD37614
CBM1	29	EOD37704	97	8.60E-09	2	23	21	42	0.724137931	Emiliana_huxleyi	Haptophyte	CBM1_EOD37704	Haptophyte	Ehux	Ehux_EOD37704	Ehux_EOD37704
CBM1	29	EOD37704	97	0.00000022	4	24	67	87	0.689655172	Emiliana_huxleyi	Haptophyte	CBM1_EOD37704	Haptophyte	Ehux	Ehux_EOD37704	Ehux_EOD37704
dockerin	21	EOD37825	2229	0.0000072	1	19	1290	1308	0.857142857	Emiliana_huxleyi	Haptophyte	dockerin_EOD37825	Haptophyte	Ehux	Ehux_EOD37825	Ehux_EOD37825
GT68	350	EOD37928	345	7.30E-24	183	342	160	316	0.454285714	Emiliana_huxleyi	Haptophyte	GT68_EOD37928	Haptophyte	Ehux	Ehux_EOD37928	Ehux_EOD37928
GH27	375	EOD37929	734	8.90E-11	139	342	418	606	0.541333333	Emiliana_huxleyi	Haptophyte	GH27_EOD37929	Haptophyte	Ehux	Ehux_EOD37929	Ehux_EOD37929
GH5	275	EOD37943	493	7.80E-26	25	229	119	409	0.741818182	Emiliana_huxleyi	Haptophyte	GH5_EOD37943	Haptophyte	Ehux	Ehux_EOD37943	Ehux_EOD37943
CBM47	128	EOD37944	1371	0.00000001	4	128	235	358	0.96875	Emiliana_huxleyi	Haptophyte	CBM47_EOD37944	Haptophyte	Ehux	Ehux_EOD37944	Ehux_EOD37944
CBM47	128	EOD37944	1371	0.00000012	33	127	881	993	0.734375	Emiliana_huxleyi	Haptophyte	CBM47_EOD37944	Haptophyte	Ehux	Ehux_EOD37944	Ehux_EOD37944
CBM47	128	EOD37944	1371	0.000053	3	58	411	474	0.4296875	Emiliana_huxleyi	Haptophyte	CBM47_EOD37944	Haptophyte	Ehux	Ehux_EOD37944	Ehux_EOD37944
GT8	257	EOD37961	505	3.50E-29	29	253	88	310	0.871595331	Emiliana_huxleyi	Haptophyte	GT8_EOD37961	Haptophyte	Ehux	Ehux_EOD37961	Ehux_EOD37961
GH128	224	EOD38044	430	1.60E-18	91	200	301	418	0.486607143	Emiliana_huxleyi	Haptophyte	GH128_EOD38044	Haptophyte	Ehux	Ehux_EOD38044	Ehux_EOD38044
GT47	296	EOD38118	204	3.70E-24	176	282	14	146	0.358108108	Emiliana_huxleyi	Haptophyte	GT47_EOD38118	Haptophyte	Ehux	Ehux_EOD38118	Ehux_EOD38118
GH5	275	EOD38164	569	3.00E-22	23	242	161	438	0.796363636	Emiliana_huxleyi	Haptophyte	GH5_EOD38164	Haptophyte	Ehux	Ehux_EOD38164	Ehux_EOD38164
GT77	216	EOD38274	941	6.60E-29	5	210	266	544	0.949074074	Emiliana_huxleyi	Haptophyte	GT77_EOD38274	Haptophyte	Ehux	Ehux_EOD38274	Ehux_EOD38274
CE1	227	EOD38318	680	0.00000015	26	201	394	584	0.77092511	Emiliana_huxleyi	Haptophyte	CE1_EOD38318	Haptophyte	Ehux	Ehux_EOD38318	Ehux_EOD38318
GT31	192	EOD38334	278	4.00E-12	2	128	78	209	0.65625	Emiliana_huxleyi	Haptophyte	GT31_EOD38334	Haptophyte	Ehux	Ehux_EOD38334	Ehux_EOD38334
GH2	752	EOD38341	798	1.10E-152	35	589	58	774	0.736702128	Emiliana_huxleyi	Haptophyte	GH2_EOD38341	Haptophyte	Ehux	Ehux_EOD38341	Ehux_EOD38341
GH16	189	EOD38348	167	0.000000011	84	189	2	163	0.555555556	Emiliana_huxleyi	Haptophyte	GH16_EOD38348	Haptophyte	Ehux	Ehux_EOD38348	Ehux_EOD38348
CE10	341	EOD38351	733	3.50E-13	81	309	500	710	0.668621701</							

GH33	342	EOD38413	237	2.90E-13	117	342	21	229	0.657894737	Emiliana_huxleyi	Haptophyte	GH33_EOD38413	Haptophyte	Ehux	Ehux_EOD38413	Ehux_EOD38413
GT25	181	EOD38429	328	1.50E-17	60	178	168	288	0.651933702	Emiliana_huxleyi	Haptophyte	GT25_EOD38429	Haptophyte	Ehux	Ehux_EOD38429	Ehux_EOD38429
GT34	246	EOD38490	1049	6.80E-31	17	244	181	398	0.922764228	Emiliana_huxleyi	Haptophyte	GT34_EOD38490	Haptophyte	Ehux	Ehux_EOD38490	Ehux_EOD38490
GH3	216	EOD38523	496	1.90E-68	3	216	50	269	0.986111111	Emiliana_huxleyi	Haptophyte	GH3_EOD38523	Haptophyte	Ehux	Ehux_EOD38523	Ehux_EOD38523
GH28	325	EOD38546	260	2.00E-12	198	298	129	222	0.307692308	Emiliana_huxleyi	Haptophyte	GH28_EOD38546	Haptophyte	Ehux	Ehux_EOD38546	Ehux_EOD38546
GT47	296	EOD38549	126	8.90E-19	173	286	14	124	0.381756757	Emiliana_huxleyi	Haptophyte	GT47_EOD38549	Haptophyte	Ehux	Ehux_EOD38549	Ehux_EOD38549
CE1	227	EOD38551	198	0.000000022	69	142	36	110	0.321585903	Emiliana_huxleyi	Haptophyte	CE1_EOD38551	Haptophyte	Ehux	Ehux_EOD38551	Ehux_EOD38551
GH2	752	EOD38574	652	1.40E-51	26	361	31	461	0.445478723	Emiliana_huxleyi	Haptophyte	GH2_EOD38574	Haptophyte	Ehux	Ehux_EOD38574	Ehux_EOD38574
GT95	294	EOD38613	469	1.10E-57	1	290	148	459	0.982993197	Emiliana_huxleyi	Haptophyte	GT95_EOD38613	Haptophyte	Ehux	Ehux_EOD38613	Ehux_EOD38613
GH16	189	EOD38732	647	3.50E-20	3	189	37	418	0.984126984	Emiliana_huxleyi	Haptophyte	GH16_EOD38732	Haptophyte	Ehux	Ehux_EOD38732	Ehux_EOD38732
GT1	382	EOD38763	535	5.50E-31	89	381	109	535	0.764397906	Emiliana_huxleyi	Haptophyte	GT1_EOD38763	Haptophyte	Ehux	Ehux_EOD38763	Ehux_EOD38763
GH18	296	EOD38812	615	4.90E-61	4	251	278	615	0.83445946	Emiliana_huxleyi	Haptophyte	GH18_EOD38812	Haptophyte	Ehux	Ehux_EOD38812	Ehux_EOD38812
GH19	231	EOD38812	615	2.30E-13	59	157	9	155	0.424242424	Emiliana_huxleyi	Haptophyte	GH19_EOD38812	Haptophyte	Ehux	Ehux_EOD38812	Ehux_EOD38812
GH109	126	EOD38893	143	0.000000001	1	117	17	127	0.920634921	Emiliana_huxleyi	Haptophyte	GH109_EOD38893	Haptophyte	Ehux	Ehux_EOD38893	Ehux_EOD38893
CE6	99	EOD38950	543	0.00000015	5	96	184	289	0.919191919	Emiliana_huxleyi	Haptophyte	CE6_EOD38950	Haptophyte	Ehux	Ehux_EOD38950	Ehux_EOD38950
AA7	458	EOD39075	4920	1.00E-44	15	207	547	754	0.419213974	Emiliana_huxleyi	Haptophyte	AA7_EOD39075	Haptophyte	Ehux	Ehux_EOD39075	Ehux_EOD39075
GT31	192	EOD39174	688	0.000000041	66	182	66	216	0.604166667	Emiliana_huxleyi	Haptophyte	GT31_EOD39174	Haptophyte	Ehux	Ehux_EOD39174	Ehux_EOD39174
CE10	341	EOD39176	300	0.00000046	165	309	92	283	0.422287739	Emiliana_huxleyi	Haptophyte	CE10_EOD39176	Haptophyte	Ehux	Ehux_EOD39176	Ehux_EOD39176
GT31	192	EOD39184	657	0.000000034	32	183	73	234	0.786458333	Emiliana_huxleyi	Haptophyte	GT31_EOD39184	Haptophyte	Ehux	Ehux_EOD39184	Ehux_EOD39184
CE10	341	EOD39261	380	1.60E-40	66	193	67	203	0.372434018	Emiliana_huxleyi	Haptophyte	CE10_EOD39261	Haptophyte	Ehux	Ehux_EOD39261	Ehux_EOD39261
GH30	417	EOD39288	170	1.60E-35	109	242	2	170	0.318944844	Emiliana_huxleyi	Haptophyte	GH30_EOD39288	Haptophyte	Ehux	Ehux_EOD39288	Ehux_EOD39288
CBM47	128	EOD39361	123	2.00E-16	33	126	29	117	0.7265625	Emiliana_huxleyi	Haptophyte	CBM47_EOD39361	Haptophyte	Ehux	Ehux_EOD39361	Ehux_EOD39361
GT31	192	EOD39400	706	6.00E-19	33	191	445	633	0.822916667	Emiliana_huxleyi	Haptophyte	GT31_EOD39400	Haptophyte	Ehux	Ehux_EOD39400	Ehux_EOD39400
GT8	257	EOD39400	706	2.50E-16	47	235	1	228	0.73151751	Emiliana_huxleyi	Haptophyte	GT8_EOD39400	Haptophyte	Ehux	Ehux_EOD39400	Ehux_EOD39400
GH19	231	EOD39447	317	1.50E-16	47	160	54	213	0.489177489	Emiliana_huxleyi	Haptophyte	GH19_EOD39447	Haptophyte	Ehux	Ehux_EOD39447	Ehux_EOD39447
GT4	160	EOD39458	326	1.30E-31	10	159	146	292	0.93125	Emiliana_huxleyi	Haptophyte	GT4_EOD39458	Haptophyte	Ehux	Ehux_EOD39458	Ehux_EOD39458
CE10	341	EOD39491	555	3.00E-17	85	322	46	294	0.695014663	Emiliana_huxleyi	Haptophyte	CE10_EOD39491	Haptophyte	Ehux	Ehux_EOD39491	Ehux_EOD39491
AA7	458	EOD39498	470	5.90E-10	20	282	35	301	0.572052402	Emiliana_huxleyi	Haptophyte	AA7_EOD39498	Haptophyte	Ehux	Ehux_EOD39498	Ehux_EOD39498
GT58	364	EOD39513	421	1.90E-106	3	364	20	390	0.991758242	Emiliana_huxleyi	Haptophyte	GT58_EOD39513	Haptophyte	Ehux	Ehux_EOD39513	Ehux_EOD39513
CBM32	124	EOD39534	2783	0.0000099	16	68	2534	2599	0.419354839	Emiliana_huxleyi	Haptophyte	CBM32_EOD39534	Haptophyte	Ehux	Ehux_EOD39534	Ehux_EOD39534
GT31	192	EOD39554	177	0.000000054	122	185	43	115	0.328125	Emiliana_huxleyi	Haptophyte	GT31_EOD39554	Haptophyte	Ehux	Ehux_EOD39554	Ehux_EOD39554
GT77	216	EOD39559	390	1.30E-22	4	161	59	239	0.726851852	Emiliana_huxleyi	Haptophyte	GT77_EOD39559	Haptophyte	Ehux	Ehux_EOD39559	Ehux_EOD39559
GT47	296	EOD39565	384	2.00E-24	35	286	29	326	0.847972973	Emiliana_huxleyi	Haptophyte	GT47_EOD39565	Haptophyte	Ehux	Ehux_EOD39565	Ehux_EOD39565
GT41	705	EOD39579	827	3.70E-43	47	505	193	720	0.64964539	Emiliana_huxleyi	Haptophyte	GT41_EOD39579	Haptophyte	Ehux	Ehux_EOD39579	Ehux_EOD39579
GT4	160	EOD39600	505	9.60E-15	11	149	223	355	0.8625	Emiliana_huxleyi	Haptophyte	GT4_EOD39600	Haptophyte	Ehux	Ehux_EOD39600	Ehux_EOD39600
CE10	341	EOD39621	596	7.00E-30	74	203	148	285	0.37829912	Emiliana_huxleyi	Haptophyte	CE10_EOD39621	Haptophyte	Ehux	Ehux_EOD39621	Ehux_EOD39621
GT96	307	EOD39700	265	2.20E-73	1	247	10	265	0.801302932	Emiliana_huxleyi	Haptophyte	GT96_EOD39700	Haptophyte	Ehux	Ehux_EOD39700	Ehux_EOD39700
GH1	429	EOD39739	525	4.70E-62	6	407	32	521	0.934731935	Emiliana_huxleyi	Haptophyte	GH1_EOD39739	Haptophyte	Ehux	Ehux_EOD39739	Ehux_EOD39739
GT1	382	EOD39751	571	2.00E-32	256	382	385	535	0.329842932	Emiliana_huxleyi	Haptophyte	GT1_EOD39751	Haptophyte	Ehux	Ehux_EOD39751	Ehux_EOD39751
GT8	257	EOD39784	456	5.50E-12	51	160	184	277	0.424124514	Emiliana_huxleyi	Haptophyte	GT8_EOD39784	Haptophyte	Ehux	Ehux_EOD39784	Ehux_EOD39784
AA6	195	EOD39867	326	0.000000042	20	117	149	247	0.497435897	Emiliana_huxleyi	Haptophyte	AA6_EOD39867	Haptophyte	Ehux	Ehux_EOD39867	Ehux_EOD39867
GH74	233	EOD39876	857	0.000000031	29	108	176	315	0.339055794	Emiliana_huxleyi	Haptophyte	GH74_EOD39876	Haptophyte	Ehux	Ehux_EOD39876	Ehux_EOD39876
GH74	233	EOD39876	857	0.000000026	45	116	101	176	0.304721103	Emiliana_huxleyi	Haptophyte	GH74_EOD39876	Haptophyte	Ehux	Ehux_EOD39876	Ehux_EOD39876
GT1	382	EOD39999	265	3.60E-27	199	381	13	239	0.476439791	Emiliana_huxleyi	Haptophyte	GT1_EOD39999	Haptophyte	Ehux	Ehux_EOD39999	Ehux_EOD39999
CE6	99	EOD40012	729	0.000000036	7	79	202	283	0.727272727	Emiliana_huxleyi	Haptophyte	CE6_EOD40012	Haptophyte	Ehux	Ehux_EOD40012	Ehux_EOD40012
GH1	429	EOD40029	442	1.00E-132	3	404	4	441	0.934731935	Emiliana_huxleyi	Haptophyte	GH1_EOD40029	Haptophyte	Ehux	Ehux_EOD40029	Ehux_EOD40029
GT57	481	EOD40063	527	6.30E-100	2	263	14	289	0.542619543	Emiliana_huxleyi	Haptophyte	GT57_EOD40063	Haptophyte	Ehux	Ehux_EOD40063	Ehux_EOD40063
GH10	303	EOD40110	611	9.50E-91	12	301	213	528	0.95379538	Emiliana_huxleyi	Haptophyte	GH10_EOD40110	Haptophyte	Ehux	Ehux_EOD40110	Ehux_EOD40110
GT2	168	EOD40134	735	3.30E-09	18	164	410	547	0.869047619	Emiliana_huxleyi	Haptophyte	GT2_EOD40134	Haptophyte	Ehux	Ehux_EOD40134	Ehux_EOD40134
GT47	296	EOD40177	484	9.70E-16	141	281	250	392	0.472972973	Emiliana_huxleyi	Haptophyte	GT47_EOD40177	Haptophyte	Ehux	Ehux_EOD40177	Ehux_EOD40177
GH5	275	EOD40206	626	3.50E-13	96	244	235	467	0.538181818	Emiliana_huxleyi	Haptophyte	GH5_EOD40206	Haptophyte	Ehux	Ehux_EOD40206	Ehux_EOD40206
GT57	481	EOD40213	527	6.30E-100	2	263	14	289	0.542619543	Emiliana_huxleyi	Haptophyte	GT57_EOD40213	Haptophyte	Ehux	Ehux_EOD40213	Ehux_EOD40213
GT8	257	EOD40275	253	0.000000001	129	245	64	182	0.451361868	Emiliana_huxleyi	Haptophyte	GT8_EOD40275	Haptophyte	Ehux	Ehux_EOD40275	Ehux_EOD40275
GT29	247	EOD40276	140	2.00E-16	32	109	11	92	0.311740891	Emiliana_huxleyi	Haptophyte	GT29_EOD40276	Haptophyte	Ehux	Ehux_EOD40276	Ehux_EOD40276
GT39	223	EOD40336	441	3.90E-23	2	124	31	197	0.547085202	Emiliana_huxleyi	Haptophyte	GT39_EOD40336	Haptophyte	Ehux	Ehux_EOD40336	Ehux_EOD40336
GH5	275	EOD40391	551	2.10E-25	27	234	151	487	0.752727273	Emiliana_huxleyi	Haptophyte	GH5_EOD40391	Haptophyte	Ehux	Ehux_EOD40391	Ehux_EOD40391
CBM20	90	EOD40433	682	3.50E-20	1	86	38	127	0.944444444	Emiliana_huxleyi	Haptophyte	CBM20_EOD40433	Haptophyte	Ehux	Ehux_EOD40433	Ehux_EOD40433
GT20	475	EOD40433	682	4.30E-87	12	435	211	659	0.890526316	Emiliana_huxleyi	Haptophyte	GT20_EOD40433	Haptophyte	Ehux	Ehux_EOD40433	Ehux_EOD40433
GT32	90	EOD40516	583	7.50E-17	7	87	61	136	0.888888889	Emiliana_huxleyi	Haptophyte	GT32_EOD40516	Haptophyte	Ehux	Ehux_EOD40516	Ehux_EOD40516
AA3	618	EOD40519	444	1.40E-50	90	404	31	441	0.508090615	Emiliana_huxleyi	Haptophyte	AA3_EOD40519	Haptophyte	Ehux	Ehux_EOD40519	Ehux_EOD40519
GT8	257	EOD40557	332	6.30E-15	129	246	143	259	0.455252918	Emiliana_huxleyi	Haptophyte	GT8_EOD40557	Haptophyte	Ehux	Ehux_EOD40557	Ehux_EOD40557
GT95	294	EOD40584	431	4.00E-73	1	294	75	389	0.99659864	Emiliana_huxleyi	Haptophyte	GT95_EOD40584	Haptophyte	Ehux	Ehux_EOD40584	Ehux_EOD40584
GT2	168	EOD40599	735	3.30E-09	18	164	410	547	0.869047619	Emiliana_huxleyi	Haptophyte	GT2_EOD40599	Haptophyte	Ehux	Ehux_EOD40599	Ehux_EOD40599
GT90	250	EOD40638	427	9.90E-17	58	247	140	329	0.756	Emiliana_huxleyi	Haptophyte	GT90_EOD40638	Haptophyte	Ehux	Ehux_EOD40638	Ehux_EOD40638
GT2	168	EOD40648	766	1.10E-16	1	117	419	547	0.690476191	Emiliana_huxleyi	Haptophyte	GT2_EOD40648	Haptophyte	Ehux	Ehux_EOD40648	Ehux_EOD40648
GT41	705	EOD40697	785	1.30E-55	83	523	255	769	0.624113475	Emiliana_huxleyi	Haptophyte	GT41_EOD40697	Haptophyte	Ehux	Ehux_EOD40697	Ehux_EOD40697
GH81	622	EOD40702	902	1.40E-98	191	622	240	698	0.692926045	Emiliana_huxleyi	Haptophyte	GH81_EOD40702	Haptophyte	Ehux	Ehux_EOD40702	Ehux_EOD40702
GT2	168	EOD40705	252	0.000000054	66	129	87	184	0.375	Emiliana_huxleyi	Haptophyte	GT2_EOD40705	Haptophyte	Ehux	Ehux_EOD40705	Ehux_EOD40705
GT39	223	EOD40728	335	2.10E-32	5	114	51	176	0.488789238	Emiliana_huxleyi	Haptophyte	GT39_EOD40728	Haptophyte	Ehux	Ehux_EOD40728	Ehux_EOD40728
CE1	227	EOD40777	139	1.30E-21	1	98	23	137	0.427312775	Emiliana_huxleyi	Haptophyte	CE1_EOD40777	Haptophyte	Ehux	Ehux_EOD40777	Ehux_EOD40777
CBM47	128	EOD40809	128	3.20E-17	35	1										

GH1	429	EOD40853	649	7.00E-75	4	426	59	520	0.983682984	Emiliania_huxleyi	Haptophyte	GH1_EOD40853	Haptophyte	Ehux	Ehux_EOD40853	Ehux_EOD40853
GT96	307	EOD40855	584	3.30E-74	1	247	3	267	0.801302932	Emiliania_huxleyi	Haptophyte	GT96_EOD40855	Haptophyte	Ehux	Ehux_EOD40855	Ehux_EOD40855
GT14	250	EOD40868	250	2.70E-29	1	185	63	229	0.736	Emiliania_huxleyi	Haptophyte	GT14_EOD40868	Haptophyte	Ehux	Ehux_EOD40868	Ehux_EOD40868
AA2	255	EOD40983	245	2.50E-31	26	253	1	231	0.890196078	Emiliania_huxleyi	Haptophyte	AA2_EOD40983	Haptophyte	Ehux	Ehux_EOD40983	Ehux_EOD40983
CE1	227	EOD40985	298	2.80E-10	28	141	26	155	0.497797357	Emiliania_huxleyi	Haptophyte	CE1_EOD40985	Haptophyte	Ehux	Ehux_EOD40985	Ehux_EOD40985
GT77	216	EOD41016	799	7.10E-36	43	216	279	518	0.800925926	Emiliania_huxleyi	Haptophyte	GT77_EOD41016	Haptophyte	Ehux	Ehux_EOD41016	Ehux_EOD41016
CBM47	128	EOD41078	287	5.40E-14	40	126	197	279	0.671875	Emiliania_huxleyi	Haptophyte	CBM47_EOD41078	Haptophyte	Ehux	Ehux_EOD41078	Ehux_EOD41078
CBM47	128	EOD41078	287	0.00000023	54	126	35	103	0.5625	Emiliania_huxleyi	Haptophyte	CBM47_EOD41078	Haptophyte	Ehux	Ehux_EOD41078	Ehux_EOD41078
GT31	192	EOD41091	106	4.40E-11	19	89	35	106	0.364583333	Emiliania_huxleyi	Haptophyte	GT31_EOD41091	Haptophyte	Ehux	Ehux_EOD41091	Ehux_EOD41091
GT49	337	EOD41154	483	1.00E-43	53	324	150	426	0.804154303	Emiliania_huxleyi	Haptophyte	GT49_EOD41154	Haptophyte	Ehux	Ehux_EOD41154	Ehux_EOD41154
GT22	389	EOD41157	555	5.10E-65	5	389	44	431	0.98714653	Emiliania_huxleyi	Haptophyte	GT22_EOD41157	Haptophyte	Ehux	Ehux_EOD41157	Ehux_EOD41157
CE1	227	EOD41173	2429	4.20E-12	6	125	1504	1618	0.524229075	Emiliania_huxleyi	Haptophyte	CE1_EOD41173	Haptophyte	Ehux	Ehux_EOD41173	Ehux_EOD41173
CE3	194	EOD41173	2429	5.20E-11	53	185	944	1082	0.680412371	Emiliania_huxleyi	Haptophyte	CE3_EOD41173	Haptophyte	Ehux	Ehux_EOD41173	Ehux_EOD41173
GT90	250	EOD41218	541	9.80E-26	25	226	325	512	0.804	Emiliania_huxleyi	Haptophyte	GT90_EOD41218	Haptophyte	Ehux	Ehux_EOD41218	Ehux_EOD41218
GT77	216	EOD41238	358	1.10E-09	2	132	104	228	0.601851852	Emiliania_huxleyi	Haptophyte	GT77_EOD41238	Haptophyte	Ehux	Ehux_EOD41238	Ehux_EOD41238
CBM47	128	EOD41251	2012	1.80E-15	35	126	1401	1488	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_EOD41251	Haptophyte	Ehux	Ehux_EOD41251	Ehux_EOD41251
CBM47	128	EOD41251	2012	3.20E-15	34	126	1729	1817	0.71875	Emiliania_huxleyi	Haptophyte	CBM47_EOD41251	Haptophyte	Ehux	Ehux_EOD41251	Ehux_EOD41251
CBM47	128	EOD41251	2012	4.30E-15	35	126	1565	1652	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_EOD41251	Haptophyte	Ehux	Ehux_EOD41251	Ehux_EOD41251
GT77	216	EOD41268	343	7.30E-39	5	211	46	332	0.953703704	Emiliania_huxleyi	Haptophyte	GT77_EOD41268	Haptophyte	Ehux	Ehux_EOD41268	Ehux_EOD41268
CBM47	128	EOD41329	994	9.10E-16	35	126	267	354	0.7109375	Emiliania_huxleyi	Haptophyte	CBM47_EOD41329	Haptophyte	Ehux	Ehux_EOD41329	Ehux_EOD41329
CBM47	128	EOD41329	994	1.80E-12	40	126	478	560	0.671875	Emiliania_huxleyi	Haptophyte	CBM47_EOD41329	Haptophyte	Ehux	Ehux_EOD41329	Ehux_EOD41329
GH2	752	EOD41381	513	1.20E-35	291	550	26	355	0.344414894	Emiliania_huxleyi	Haptophyte	GH2_EOD41381	Haptophyte	Ehux	Ehux_EOD41381	Ehux_EOD41381
GT47	296	EOD41391	450	4.70E-29	6	279	23	334	0.922297297	Emiliania_huxleyi	Haptophyte	GT47_EOD41391	Haptophyte	Ehux	Ehux_EOD41391	Ehux_EOD41391
GT48	739	EOD41418	2100	3.20E-109	231	672	1543	1960	0.596752368	Emiliania_huxleyi	Haptophyte	GT48_EOD41418	Haptophyte	Ehux	Ehux_EOD41418	Ehux_EOD41418
GT47	296	EOD41429	673	2.00E-37	3	296	252	567	0.989864865	Emiliania_huxleyi	Haptophyte	GT47_EOD41429	Haptophyte	Ehux	Ehux_EOD41429	Ehux_EOD41429
GT29	247	EOD41434	313	9.30E-14	138	236	202	299	0.396761134	Emiliania_huxleyi	Haptophyte	GT29_EOD41434	Haptophyte	Ehux	Ehux_EOD41434	Ehux_EOD41434
GT31	192	EOD41453	189	3.20E-15	2	116	32	149	0.59375	Emiliania_huxleyi	Haptophyte	GT31_EOD41453	Haptophyte	Ehux	Ehux_EOD41453	Ehux_EOD41453
CE10	341	EOD41481	347	1.10E-38	94	323	95	334	0.671554252	Emiliania_huxleyi	Haptophyte	CE10_EOD41481	Haptophyte	Ehux	Ehux_EOD41481	Ehux_EOD41481
GT31	192	EOD41507	219	6.00E-15	1	140	27	176	0.723958333	Emiliania_huxleyi	Haptophyte	GT31_EOD41507	Haptophyte	Ehux	Ehux_EOD41507	Ehux_EOD41507
CE10	341	EOD41528	597	0.00000039	140	313	190	389	0.507331378	Emiliania_huxleyi	Haptophyte	CE10_EOD41528	Haptophyte	Ehux	Ehux_EOD41528	Ehux_EOD41528
CE10	341	EOD41562	548	7.60E-25	103	207	71	233	0.304985337	Emiliania_huxleyi	Haptophyte	CE10_EOD41562	Haptophyte	Ehux	Ehux_EOD41562	Ehux_EOD41562
GT1	382	EOD41570	502	3.80E-30	147	377	184	451	0.602094241	Emiliania_huxleyi	Haptophyte	GT1_EOD41570	Haptophyte	Ehux	Ehux_EOD41570	Ehux_EOD41570
CBM42	136	EOD41606	143	1.50E-30	30	135	28	136	0.772058824	Emiliania_huxleyi	Haptophyte	CBM42_EOD41606	Haptophyte	Ehux	Ehux_EOD41606	Ehux_EOD41606
GT90	250	EOD41612	374	6.00E-12	131	223	57	154	0.368	Emiliania_huxleyi	Haptophyte	GT90_EOD41612	Haptophyte	Ehux	Ehux_EOD41612	Ehux_EOD41612
GT90	250	EOD41642	419	1.20E-21	59	237	220	396	0.712	Emiliania_huxleyi	Haptophyte	GT90_EOD41642	Haptophyte	Ehux	Ehux_EOD41642	Ehux_EOD41642
GT1	382	EOD41670	462	4.60E-44	84	380	102	445	0.77486911	Emiliania_huxleyi	Haptophyte	GT1_EOD41670	Haptophyte	Ehux	Ehux_EOD41670	Ehux_EOD41670
PL24	466	EOD41691	688	4.80E-09	175	322	150	284	0.315450644	Emiliania_huxleyi	Haptophyte	PL24_EOD41691	Haptophyte	Ehux	Ehux_EOD41691	Ehux_EOD41691
GH5	275	EOD41712	371	3.20E-36	15	235	5	287	0.8	Emiliania_huxleyi	Haptophyte	GH5_EOD41712	Haptophyte	Ehux	Ehux_EOD41712	Ehux_EOD41712
GT31	192	EOD41798	319	3.70E-25	2	182	8	212	0.9375	Emiliania_huxleyi	Haptophyte	GT31_EOD41798	Haptophyte	Ehux	Ehux_EOD41798	Ehux_EOD41798
CE13	355	EOD41832	748	1.40E-36	12	256	18	257	0.687323944	Emiliania_huxleyi	Haptophyte	CE13_EOD41832	Haptophyte	Ehux	Ehux_EOD41832	Ehux_EOD41832
GH127	524	EOD41838	780	2.30E-11	302	468	421	592	0.316793893	Emiliania_huxleyi	Haptophyte	GH127_EOD41838	Haptophyte	Ehux	Ehux_EOD41838	Ehux_EOD41838
GT43	212	EOD41849	290	2.20E-31	12	209	62	273	0.929245283	Emiliania_huxleyi	Haptophyte	GT43_EOD41849	Haptophyte	Ehux	Ehux_EOD41849	Ehux_EOD41849
CE13	355	EOD41850	1583	2.50E-57	5	354	62	395	0.983098592	Emiliania_huxleyi	Haptophyte	CE13_EOD41850	Haptophyte	Ehux	Ehux_EOD41850	Ehux_EOD41850
CE6	99	EOD41850	1583	0.0000007	6	91	759	857	0.858585859	Emiliania_huxleyi	Haptophyte	CE6_EOD41850	Haptophyte	Ehux	Ehux_EOD41850	Ehux_EOD41850
GT47	296	EOD41872	445	2.00E-14	157	275	168	285	0.398648649	Emiliania_huxleyi	Haptophyte	GT47_EOD41872	Haptophyte	Ehux	Ehux_EOD41872	Ehux_EOD41872
CE11	271	EOD41889	276	8.30E-80	3	269	1	276	0.981549816	Emiliania_huxleyi	Haptophyte	CE11_EOD41889	Haptophyte	Ehux	Ehux_EOD41889	Ehux_EOD41889
GH5	275	EOD41897	419	6.20E-12	13	231	7	298	0.792727273	Emiliania_huxleyi	Haptophyte	GH5_EOD41897	Haptophyte	Ehux	Ehux_EOD41897	Ehux_EOD41897
GT2	168	EOD41932	460	0.000004	1	165	66	233	0.976190476	Emiliania_huxleyi	Haptophyte	GT2_EOD41932	Haptophyte	Ehux	Ehux_EOD41932	Ehux_EOD41932
GT25	181	EOD41934	340	2.20E-11	56	169	146	258	0.624309392	Emiliania_huxleyi	Haptophyte	GT25_EOD41934	Haptophyte	Ehux	Ehux_EOD41934	Ehux_EOD41934
CE4	130	EOD42008	440	1.10E-10	21	116	208	302	0.730769231	Emiliania_huxleyi	Haptophyte	CE4_EOD42008	Haptophyte	Ehux	Ehux_EOD42008	Ehux_EOD42008
GT8	257	EOD42037	211	2.10E-22	122	254	2	163	0.513618677	Emiliania_huxleyi	Haptophyte	GT8_EOD42037	Haptophyte	Ehux	Ehux_EOD42037	Ehux_EOD42037
GH5	275	EOD42083	583	6.30E-33	29	235	224	500	0.749090909	Emiliania_huxleyi	Haptophyte	GH5_EOD42083	Haptophyte	Ehux	Ehux_EOD42083	Ehux_EOD42083
GH79	455	EOD42098	499	5.10E-26	6	180	63	252	0.382417582	Emiliania_huxleyi	Haptophyte	GH79_EOD42098	Haptophyte	Ehux	Ehux_EOD42098	Ehux_EOD42098
GH79	455	EOD42098	499	2.10E-24	247	417	263	490	0.373626374	Emiliania_huxleyi	Haptophyte	GH79_EOD42098	Haptophyte	Ehux	Ehux_EOD42098	Ehux_EOD42098
CE1	227	EOD42111	298	3.00E-31	7	207	32	279	0.881057269	Emiliania_huxleyi	Haptophyte	CE1_EOD42111	Haptophyte	Ehux	Ehux_EOD42111	Ehux_EOD42111
GH74	233	EOD42170	442	0.00000034	37	114	97	173	0.330472103	Emiliania_huxleyi	Haptophyte	GH74_EOD42170	Haptophyte	Ehux	Ehux_EOD42170	Ehux_EOD42170
GH109	126	HpaP800009	347	0.00000011	70	121	62	113	0.404761905	Hyaloperonospora_arabidopsis	Phytophthora	GH109_HpaP800009	Oomycete	Ha	Ha_HpaP800009	Ha_HpaP800009
GH3	216	HpaP800080	802	8.90E-67	5	216	118	340	0.976851852	Hyaloperonospora_arabidopsis	Phytophthora	GH3_HpaP800080	Oomycete	Ha	Ha_HpaP800080	Ha_HpaP800080_secreted
GH3	216	HpaP800098	809	8.30E-66	5	216	117	339	0.976851852	Hyaloperonospora_arabidopsis	Phytophthora	GH3_HpaP800098	Oomycete	Ha	Ha_HpaP800098	Ha_HpaP800098_secreted
GT59	404	HpaP800150	304	5.30E-58	203	404	57	259	0.497524753	Hyaloperonospora_arabidopsis	Phytophthora	GT59_HpaP800150	Oomycete	Ha	Ha_HpaP800150	Ha_HpaP800150
GT22	389	HpaP800208	314	2.10E-52	53	347	6	311	0.755784062	Hyaloperonospora_arabidopsis	Phytophthora	GT22_HpaP800208	Oomycete	Ha	Ha_HpaP800208	Ha_HpaP800208
GH31	427	HpaP800270	888	3.30E-151	3	427	275	763	0.992974239	Hyaloperonospora_arabidopsis	Phytophthora	GH31_HpaP800270	Oomycete	Ha	Ha_HpaP800270	Ha_HpaP800270
CE4	130	HpaP800500	307	2.80E-11	28	106	85	162	0.6	Hyaloperonospora_arabidopsis	Phytophthora	CE4_HpaP800500	Oomycete	Ha	Ha_HpaP800500	Ha_HpaP800500
GT1	382	HpaP800565	500	1.50E-21	78	377	97	430	0.782722513	Hyaloperonospora_arabidopsis	Phytophthora	GT1_HpaP800565	Oomycete	Ha	Ha_HpaP800565	Ha_HpaP800565
GT58	364	HpaP800765	432	1.40E-136	3	364	48	400	0.991758242	Hyaloperonospora_arabidopsis	Phytophthora	GT58_HpaP800765	Oomycete	Ha	Ha_HpaP800765	Ha_HpaP800765
GT8	257	HpaP800766	575	6.30E-14	39	203	74	223	0.638132296	Hyaloperonospora_arabidopsis	Phytophthora	GT8_HpaP800766	Oomycete	Ha	Ha_HpaP800766	Ha_HpaP800766
GT20	475	HpaP800814	1211	2.20E-145	10	474	59	544	0.976842105	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP800814	Oomycete	Ha	Ha_HpaP800814	Ha_HpaP800814
GT71	264	HpaP800822	633	3.80E-47	2	264	171	401	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP800822	Oomycete	Ha	Ha_HpaP800822	Ha_HpaP800822
GT71	264	HpaP800829	579	1.10E-48	2	264	195	425	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP800829	Oomycete	Ha	Ha_HpaP800829	Ha_HpaP800829
GH47	446	HpaP800875	652	7.80E-42	306	445	8	135	0.311659193	Hyaloperonospora_arabidopsis	Phytophthora	GH47_HpaP800875	Oomycete	Ha	Ha_Hpa	

CE10	341	HpaP800934	497	6.80E-12	80	215	254	408	0.395894428	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP800934	Oomycete	Ha	Ha_HpaP800934	Ha_HpaP800934
AA2	255	HpaP801034	351	2.00E-59	16	254	82	327	0.933333333	Hyaloperonospora_arabidopsis	Phytophthora	AA2_HpaP801034	Oomycete	Ha	Ha_HpaP801034	Ha_HpaP801034
CE1	227	HpaP801137	314	0.000000992	12	194	39	271	0.801762115	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP801137	Oomycete	Ha	Ha_HpaP801137	Ha_HpaP801137
CE1	227	HpaP801139	303	1.00E-12	23	143	40	197	0.528634361	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP801139	Oomycete	Ha	Ha_HpaP801139	Ha_HpaP801139
GH5	275	HpaP801234	374	2.90E-38	19	240	59	350	0.803636364	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP801234	Oomycete	Ha	Ha_HpaP801234	Ha_HpaP801234
GT71	264	HpaP801470	459	1.60E-49	2	264	90	324	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP801470	Oomycete	Ha	Ha_HpaP801470	Ha_HpaP801470
GT41	705	HpaP801549	950	2.00E-11	29	260	133	358	0.327659575	Hyaloperonospora_arabidopsis	Phytophthora	GT41_HpaP801549	Oomycete	Ha	Ha_HpaP801549	Ha_HpaP801549
GT22	389	HpaP801816	571	1.60E-90	3	389	25	449	0.992287918	Hyaloperonospora_arabidopsis	Phytophthora	GT22_HpaP801816	Oomycete	Ha	Ha_HpaP801816	Ha_HpaP801816
GT60	330	HpaP801972	457	4.60E-47	2	329	111	429	0.990909091	Hyaloperonospora_arabidopsis	Phytophthora	GT60_HpaP801972	Oomycete	Ha	Ha_HpaP801972	Ha_HpaP801972
GH81	622	HpaP801997	380	3.50E-85	99	430	12	373	0.532154341	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP801997	Oomycete	Ha	Ha_HpaP801997	Ha_HpaP801997
GH81	622	HpaP802002	624	3.50E-145	62	604	22	620	0.871382637	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP802002	Oomycete	Ha	Ha_HpaP802002	Ha_HpaP802002
GT48	739	HpaP802037	1999	3.40E-281	3	704	1087	1806	0.948579161	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP802037	Oomycete	Ha	Ha_HpaP802037	Ha_HpaP802037
GT48	739	HpaP802038	2026	7.20E-280	3	711	1114	1840	0.958051421	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP802038	Oomycete	Ha	Ha_HpaP802038	Ha_HpaP802038
GH72	312	HpaP802102	587	5.10E-73	8	310	35	383	0.967948718	Hyaloperonospora_arabidopsis	Phytophthora	GH72_HpaP802102	Oomycete	Ha	Ha_HpaP802102	Ha_HpaP802102
GH5	275	HpaP802149	578	3.90E-32	3	240	171	524	0.861818182	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP802149	Oomycete	Ha	Ha_HpaP802149	Ha_HpaP802149
GH5	275	HpaP802151	590	6.80E-33	3	237	177	527	0.850909091	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP802151	Oomycete	Ha	Ha_HpaP802151	Ha_HpaP802151
GH5	275	HpaP802152	461	2.60E-31	3	239	57	406	0.858181818	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP802152	Oomycete	Ha	Ha_HpaP802152	Ha_HpaP802152
PL3	197	HpaP802158	1063	4.40E-66	2	196	287	484	0.984771574	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP802158	Oomycete	Ha	Ha_HpaP802158	Ha_HpaP802158
PL3	197	HpaP802158	1063	4.40E-66	2	196	668	865	0.984771574	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP802158	Oomycete	Ha	Ha_HpaP802158	Ha_HpaP802158
PL3	197	HpaP802192	564	2.80E-68	2	195	340	535	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP802192	Oomycete	Ha	Ha_HpaP802192	Ha_HpaP802192_secreted
PL3	197	HpaP802192	564	3.50E-59	2	195	31	227	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP802192	Oomycete	Ha	Ha_HpaP802192	Ha_HpaP802192_secreted
GH5	275	HpaP802205	629	5.50E-37	5	236	120	495	0.84	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP802205	Oomycete	Ha	Ha_HpaP802205	Ha_HpaP802205
GH5	275	HpaP802206	330	1.70E-15	5	111	161	300	0.385454546	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP802206	Oomycete	Ha	Ha_HpaP802206	Ha_HpaP802206
CE5	189	HpaP802214	203	4.20E-50	1	186	20	198	0.978835979	Hyaloperonospora_arabidopsis	Phytophthora	CE5_HpaP802214	Oomycete	Ha	Ha_HpaP802214	Ha_HpaP802214_secreted
GH53	342	HpaP802215	367	2.80E-80	2	332	27	341	0.964912281	Hyaloperonospora_arabidopsis	Phytophthora	GH53_HpaP802215	Oomycete	Ha	Ha_HpaP802215	Ha_HpaP802215_secreted
GT2	168	HpaP802234	211	9.60E-26	1	92	8	104	0.541666667	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP802234	Oomycete	Ha	Ha_HpaP802234	Ha_HpaP802234
GH81	622	HpaP802400	816	2.30E-153	7	622	79	809	0.988745981	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP802400	Oomycete	Ha	Ha_HpaP802400	Ha_HpaP802400
GT2	168	HpaP802440	489	0.00086	34	116	246	324	0.488095238	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP802440	Oomycete	Ha	Ha_HpaP802440	Ha_HpaP802440
CE10	341	HpaP802651	749	0.000000025	66	278	467	680	0.62170088	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP802651	Oomycete	Ha	Ha_HpaP802651	Ha_HpaP802651
PL3	197	HpaP802743	217	2.40E-61	2	195	8	200	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP802743	Oomycete	Ha	Ha_HpaP802743	Ha_HpaP802743
GT20	475	HpaP802787	672	1.30E-192	9	474	182	660	0.978947368	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP802787	Oomycete	Ha	Ha_HpaP802787	Ha_HpaP802787
AA7	458	HpaP802801	565	4.40E-12	5	187	78	268	0.397379913	Hyaloperonospora_arabidopsis	Phytophthora	AA7_HpaP802801	Oomycete	Ha	Ha_HpaP802801	Ha_HpaP802801
GH43	248	HpaP802969	340	2.60E-45	12	247	36	335	0.947580645	Hyaloperonospora_arabidopsis	Phytophthora	GH43_HpaP802969	Oomycete	Ha	Ha_HpaP802969	Ha_HpaP802969_secreted
GH43	248	HpaP802972	121	0.000000022	153	247	1	116	0.379032258	Hyaloperonospora_arabidopsis	Phytophthora	GH43_HpaP802972	Oomycete	Ha	Ha_HpaP802972	Ha_HpaP802972
PL6	372	HpaP803035	2440	0.000000083	6	153	1564	1715	0.39516129	Hyaloperonospora_arabidopsis	Phytophthora	PL6_HpaP803035	Oomycete	Ha	Ha_HpaP803035	Ha_HpaP803035
CE7	313	HpaP803084	522	1.40E-11	156	298	133	278	0.453674121	Hyaloperonospora_arabidopsis	Phytophthora	CE7_HpaP803084	Oomycete	Ha	Ha_HpaP803084	Ha_HpaP803084
GT66	693	HpaP803115	889	1.00E-170	11	602	66	696	0.852813853	Hyaloperonospora_arabidopsis	Phytophthora	GT66_HpaP803115	Oomycete	Ha	Ha_HpaP803115	Ha_HpaP803115
CE2	209	HpaP803264	476	3.20E-57	1	209	221	438	0.995215311	Hyaloperonospora_arabidopsis	Phytophthora	CE2_HpaP803264	Oomycete	Ha	Ha_HpaP803264	Ha_HpaP803264
PL3	197	HpaP803370	305	2.00E-32	4	196	81	273	0.974619289	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP803370	Oomycete	Ha	Ha_HpaP803370	Ha_HpaP803370_secreted
AA3	618	HpaP803638	631	3.30E-70	88	403	61	624	0.509708738	Hyaloperonospora_arabidopsis	Phytophthora	AA3_HpaP803638	Oomycete	Ha	Ha_HpaP803638	Ha_HpaP803638
CE4	130	HpaP803753	303	5.80E-16	8	95	70	157	0.669230769	Hyaloperonospora_arabidopsis	Phytophthora	CE4_HpaP803753	Oomycete	Ha	Ha_HpaP803753	Ha_HpaP803753
PL1	202	HpaP803777	419	3.40E-43	21	200	125	319	0.886138614	Hyaloperonospora_arabidopsis	Phytophthora	PL1_HpaP803777	Oomycete	Ha	Ha_HpaP803777	Ha_HpaP803777_secreted
PL1	202	HpaP803783	1018	2.60E-44	19	200	128	321	0.896039604	Hyaloperonospora_arabidopsis	Phytophthora	PL1_HpaP803783	Oomycete	Ha	Ha_HpaP803783	Ha_HpaP803783_secreted
GT31	192	HpaP803986	351	1.10E-12	57	189	105	259	0.6875	Hyaloperonospora_arabidopsis	Phytophthora	GT31_HpaP803986	Oomycete	Ha	Ha_HpaP803986	Ha_HpaP803986_secreted
CE8	288	HpaP803990	305	5.50E-72	9	259	36	295	0.868055556	Hyaloperonospora_arabidopsis	Phytophthora	CE8_HpaP803990	Oomycete	Ha	Ha_HpaP803990	Ha_HpaP803990
GH10	303	HpaP803998	471	2.70E-92	5	289	35	329	0.937293729	Hyaloperonospora_arabidopsis	Phytophthora	GH10_HpaP803998	Oomycete	Ha	Ha_HpaP803998	Ha_HpaP803998_secreted
CE8	288	HpaP804003	305	5.50E-72	9	259	36	295	0.868055556	Hyaloperonospora_arabidopsis	Phytophthora	CE8_HpaP804003	Oomycete	Ha	Ha_HpaP804003	Ha_HpaP804003
CBM20	90	HpaP804292	1283	0.000012	2	67	21	100	0.722222222	Hyaloperonospora_arabidopsis	Phytophthora	CBM20_HpaP804292	Oomycete	Ha	Ha_HpaP804292	Ha_HpaP804292
GT20	475	HpaP804292	1283	9.20E-129	5	475	295	796	0.989473684	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP804292	Oomycete	Ha	Ha_HpaP804292	Ha_HpaP804292
GT1	382	HpaP804300	1146	4.30E-44	203	375	2	205	0.45026178	Hyaloperonospora_arabidopsis	Phytophthora	GT1_HpaP804300	Oomycete	Ha	Ha_HpaP804300	Ha_HpaP804300
GT1	382	HpaP804300	1146	4.10E-16	72	375	602	949	0.793193717	Hyaloperonospora_arabidopsis	Phytophthora	GT1_HpaP804300	Oomycete	Ha	Ha_HpaP804300	Ha_HpaP804300
CE1	227	HpaP804428	527	9.10E-18	8	208	196	502	0.881057269	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP804428	Oomycete	Ha	Ha_HpaP804428	Ha_HpaP804428
GH81	622	HpaP804446	856	5.30E-177	16	621	179	850	0.97266881	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP804446	Oomycete	Ha	Ha_HpaP804446	Ha_HpaP804446
GT30	177	HpaP804495	454	8.50E-43	4	175	11	213	0.966101695	Hyaloperonospora_arabidopsis	Phytophthora	GT30_HpaP804495	Oomycete	Ha	Ha_HpaP804495	Ha_HpaP804495
CBM20	90	HpaP804502	1068	1.40E-14	5	85	13	105	0.888888889	Hyaloperonospora_arabidopsis	Phytophthora	CBM20_HpaP804502	Oomycete	Ha	Ha_HpaP804502	Ha_HpaP804502
CBM47	128	HpaP804502	1068	4.60E-12	2	59	116	180	0.4453125	Hyaloperonospora_arabidopsis	Phytophthora	CBM47_HpaP804502	Oomycete	Ha	Ha_HpaP804502	Ha_HpaP804502
GT57	481	HpaP804545	589	4.40E-140	3	477	30	563	0.985446985	Hyaloperonospora_arabidopsis	Phytophthora	GT57_HpaP804545	Oomycete	Ha	Ha_HpaP804545	Ha_HpaP804545
GH81	622	HpaP804578	793	5.00E-175	16	621	114	787	0.97266881	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP804578	Oomycete	Ha	Ha_HpaP804578	Ha_HpaP804578
GH81	622	HpaP804579	284	9.40E-104	372	621	27	278	0.400321543	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP804579	Oomycete	Ha	Ha_HpaP804579	Ha_HpaP804579
CBM9	182	HpaP804663	301	2.00E-14	49	153	2	138	0.571428571	Hyaloperonospora_arabidopsis	Phytophthora	CBM9_HpaP804663	Oomycete	Ha	Ha_HpaP804663	Ha_HpaP804663
CBM13	188	HpaP804695	681	0.0000036	34	109	553	626	0.39893617	Hyaloperonospora_arabidopsis	Phytophthora	CBM13_HpaP804695	Oomycete	Ha	Ha_HpaP804695	Ha_HpaP804695
CBM13	188	HpaP804695	681	0.00013	75	132	508	561	0.303191489	Hyaloperonospora_arabidopsis	Phytophthora	CBM13_HpaP804695	Oomycete	Ha	Ha_HpaP804695	Ha_HpaP804695
GH30	417	HpaP804695	681	3.60E-107	10	362	109	488	0.8441247	Hyaloperonospora_arabidopsis	Phytophthora	GH30_HpaP804695	Oomycete	Ha	Ha_HpaP804695	Ha_HpaP804695
GT4	160	HpaP804826	529	5.80E-09	15	134	326	445	0.74375	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP804826	Oomycete	Ha	Ha_HpaP804826	Ha_HpaP804826
GT62	268	HpaP804997	527	6.40E-38	6	266	237	480	0.970149254	Hyaloperonospora_arabidopsis	Phytophthora	GT62_HpaP804997	Oomycete	Ha	Ha_HpaP804997	Ha_HpaP804997
AA2	255	HpaP805014	687	1.80E-25	28	252	459	679	0.878431373	Hyaloperonospora_arabidopsis	Phytophthora	AA2_HpaP805014	Oomycete	Ha	Ha_HpaP805014	Ha_HpaP805014
AA2	255	HpaP805014	687	6.70E-24	12	128	72	190	0.454901961	Hyaloperonospora_arabidopsis	Phytophthora	AA2_HpaP805014	Oomycete	Ha	Ha_HpaP805014	Ha_HpaP805014

CBM63	78	HpaP805228	487	0.000000014	2	75	133	205	0.935897436	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP805228	Oomycete	Ha	Ha_HpaP805228	Ha_HpaP805228
CBM63	78	HpaP805232	280	0.00013	6	74	94	160	0.871794872	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP805232	Oomycete	Ha	Ha_HpaP805232	Ha_HpaP805232
CBM63	78	HpaP805234	391	0.000000025	2	75	131	203	0.935897436	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP805234	Oomycete	Ha	Ha_HpaP805234	Ha_HpaP805234
GH17	311	HpaP805282	217	1.40E-17	46	306	5	211	0.836012862	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP805282	Oomycete	Ha	Ha_HpaP805282	Ha_HpaP805282
GH17	311	HpaP805286	274	3.00E-20	2	306	10	270	0.977491961	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP805286	Oomycete	Ha	Ha_HpaP805286	Ha_HpaP805286
GH17	311	HpaP805299	487	6.00E-16	27	307	53	282	0.900321543	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP805299	Oomycete	Ha	Ha_HpaP805299	Ha_HpaP805299_secreted
AA7	458	HpaP805320	643	3.50E-16	3	212	161	386	0.456331878	Hyaloperonospora_arabidopsis	Phytophthora	AA7_HpaP805320	Oomycete	Ha	Ha_HpaP805320	Ha_HpaP805320
GH12	156	HpaP805382	363	4.80E-38	4	154	93	237	0.961538462	Hyaloperonospora_arabidopsis	Phytophthora	GH12_HpaP805382	Oomycete	Ha	Ha_HpaP805382	Ha_HpaP805382_secreted
CE1	227	HpaP805406	282	1.20E-46	1	225	21	278	0.986784141	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP805406	Oomycete	Ha	Ha_HpaP805406	Ha_HpaP805406
GT1	382	HpaP805430	554	1.50E-24	108	380	107	453	0.712041885	Hyaloperonospora_arabidopsis	Phytophthora	GT1_HpaP805430	Oomycete	Ha	Ha_HpaP805430	Ha_HpaP805430
GH37	491	HpaP805450	650	8.10E-156	2	491	79	632	0.99592668	Hyaloperonospora_arabidopsis	Phytophthora	GH37_HpaP805450	Oomycete	Ha	Ha_HpaP805450	Ha_HpaP805450_secreted
GH37	491	HpaP805451	638	7.60E-156	2	491	67	620	0.99592668	Hyaloperonospora_arabidopsis	Phytophthora	GH37_HpaP805451	Oomycete	Ha	Ha_HpaP805451	Ha_HpaP805451
CBM9	182	HpaP805611	123	4.20E-21	2	83	38	123	0.445054945	Hyaloperonospora_arabidopsis	Phytophthora	CBM9_HpaP805611	Oomycete	Ha	Ha_HpaP805611	Ha_HpaP805611
GT4	160	HpaP805653	521	0.00023	74	137	348	411	0.39375	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP805653	Oomycete	Ha	Ha_HpaP805653	Ha_HpaP805653
GH18	296	HpaP805945	357	5.10E-20	28	158	98	268	0.439189189	Hyaloperonospora_arabidopsis	Phytophthora	GH18_HpaP805945	Oomycete	Ha	Ha_HpaP805945	Ha_HpaP805945
GT48	739	HpaP805949	1703	1.90E-258	2	659	828	1518	0.889039242	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP805949	Oomycete	Ha	Ha_HpaP805949	Ha_HpaP805949
GH16	189	HpaP806090	2643	1.10E-24	3	189	79	418	0.984126984	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP806090	Oomycete	Ha	Ha_HpaP806090	Ha_HpaP806090
GT48	739	HpaP806090	2643	6.20E-262	3	694	1664	2321	0.935047361	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP806090	Oomycete	Ha	Ha_HpaP806090	Ha_HpaP806090
dockerin	21	HpaP806270	500	0.00022	1	13	38	50	0.571428571	Hyaloperonospora_arabidopsis	Phytophthora	dockerin_HpaP806270	Oomycete	Ha	Ha_HpaP806270	Ha_HpaP806270
dockerin	21	HpaP806271	500	0.00022	1	13	38	50	0.571428571	Hyaloperonospora_arabidopsis	Phytophthora	dockerin_HpaP806271	Oomycete	Ha	Ha_HpaP806271	Ha_HpaP806271
GH16	189	HpaP806350	486	0.000000013	124	189	197	313	0.343915344	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP806350	Oomycete	Ha	Ha_HpaP806350	Ha_HpaP806350
CE10	341	HpaP806351	445	1.40E-32	93	337	183	432	0.715542522	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP806351	Oomycete	Ha	Ha_HpaP806351	Ha_HpaP806351
CE10	341	HpaP806365	400	1.50E-34	87	335	122	376	0.727272727	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP806365	Oomycete	Ha	Ha_HpaP806365	Ha_HpaP806365
GH32	293	HpaP806372	191	2.40E-39	1	122	46	180	0.412969283	Hyaloperonospora_arabidopsis	Phytophthora	GH32_HpaP806372	Oomycete	Ha	Ha_HpaP806372	Ha_HpaP806372_secreted
dockerin	21	HpaP806482	116	0.00067	3	13	74	84	0.476190476	Hyaloperonospora_arabidopsis	Phytophthora	dockerin_HpaP806482	Oomycete	Ha	Ha_HpaP806482	Ha_HpaP806482
GT4	160	HpaP806524	500	1.70E-25	8	152	296	452	0.9	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP806524	Oomycete	Ha	Ha_HpaP806524	Ha_HpaP806524
GT4	160	HpaP806525	500	1.70E-25	8	152	296	452	0.9	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP806525	Oomycete	Ha	Ha_HpaP806525	Ha_HpaP806525
GT22	389	HpaP806548	514	1.50E-38	20	366	2	369	0.889460154	Hyaloperonospora_arabidopsis	Phytophthora	GT22_HpaP806548	Oomycete	Ha	Ha_HpaP806548	Ha_HpaP806548
CBM43	83	HpaP806581	703	2.70E-15	2	74	563	633	0.86746988	Hyaloperonospora_arabidopsis	Phytophthora	CBM43_HpaP806581	Oomycete	Ha	Ha_HpaP806581	Ha_HpaP806581
GH5	275	HpaP806581	703	8.30E-35	27	219	147	424	0.698181818	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP806581	Oomycete	Ha	Ha_HpaP806581	Ha_HpaP806581
CBM43	83	HpaP806582	715	2.50E-14	1	73	571	639	0.86746988	Hyaloperonospora_arabidopsis	Phytophthora	CBM43_HpaP806582	Oomycete	Ha	Ha_HpaP806582	Ha_HpaP806582
GH5	275	HpaP806582	715	2.20E-31	29	219	164	436	0.690909091	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP806582	Oomycete	Ha	Ha_HpaP806582	Ha_HpaP806582
GH7	415	HpaP806603	464	3.70E-176	1	414	26	464	0.995180723	Hyaloperonospora_arabidopsis	Phytophthora	GH7_HpaP806603	Oomycete	Ha	Ha_HpaP806603	Ha_HpaP806603_secreted
GH30	417	HpaP806619	501	6.50E-62	14	415	29	495	0.961630695	Hyaloperonospora_arabidopsis	Phytophthora	GH30_HpaP806619	Oomycete	Ha	Ha_HpaP806619	Ha_HpaP806619_secreted
GH30	417	HpaP806620	501	6.50E-62	14	415	29	495	0.961630695	Hyaloperonospora_arabidopsis	Phytophthora	GH30_HpaP806620	Oomycete	Ha	Ha_HpaP806620	Ha_HpaP806620_secreted
GH1	429	HpaP806814	477	1.20E-171	4	428	6	472	0.988344988	Hyaloperonospora_arabidopsis	Phytophthora	GH1_HpaP806814	Oomycete	Ha	Ha_HpaP806814	Ha_HpaP806814
CE5	189	HpaP806962	155	3.60E-37	38	187	2	144	0.788359788	Hyaloperonospora_arabidopsis	Phytophthora	CE5_HpaP806962	Oomycete	Ha	Ha_HpaP806962	Ha_HpaP806962
CE10	341	HpaP806994	291	1.60E-36	82	308	30	255	0.662756598	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP806994	Oomycete	Ha	Ha_HpaP806994	Ha_HpaP806994
GT4	160	HpaP806997	532	7.50E-40	9	151	248	402	0.8875	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP806997	Oomycete	Ha	Ha_HpaP806997	Ha_HpaP806997
GT4	160	HpaP806998	479	6.10E-40	9	151	228	382	0.8875	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP806998	Oomycete	Ha	Ha_HpaP806998	Ha_HpaP806998
GT41	705	HpaP807392	442	8.20E-11	27	282	109	343	0.361702128	Hyaloperonospora_arabidopsis	Phytophthora	GT41_HpaP807392	Oomycete	Ha	Ha_HpaP807392	Ha_HpaP807392
CBM63	78	HpaP807441	373	0.00000008	4	74	143	211	0.897435897	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP807441	Oomycete	Ha	Ha_HpaP807441	Ha_HpaP807441_secreted
CBM63	78	HpaP807442	213	4.00E-11	2	73	129	199	0.91025641	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP807442	Oomycete	Ha	Ha_HpaP807442	Ha_HpaP807442
CBM63	78	HpaP807443	670	0.000000021	2	74	97	170	0.923076923	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP807443	Oomycete	Ha	Ha_HpaP807443	Ha_HpaP807443
CBM63	78	HpaP807444	519	0.00000062	2	74	126	199	0.923076923	Hyaloperonospora_arabidopsis	Phytophthora	CBM63_HpaP807444	Oomycete	Ha	Ha_HpaP807444	Ha_HpaP807444
GT48	739	HpaP807713	2249	9.40E-276	2	712	856	1598	0.960757781	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP807713	Oomycete	Ha	Ha_HpaP807713	Ha_HpaP807713
GH1	429	HpaP807818	550	7.90E-62	3	385	30	425	0.89044289	Hyaloperonospora_arabidopsis	Phytophthora	GH1_HpaP807818	Oomycete	Ha	Ha_HpaP807818	Ha_HpaP807818_secreted
GH16	189	HpaP807935	755	0.000000014	122	189	441	572	0.354497355	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807935	Oomycete	Ha	Ha_HpaP807935	Ha_HpaP807935
GH16	189	HpaP807935	755	0.00000021	10	91	81	225	0.428571429	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807935	Oomycete	Ha	Ha_HpaP807935	Ha_HpaP807935
GH16	189	HpaP807936	739	1.70E-09	122	189	430	555	0.354497355	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807936	Oomycete	Ha	Ha_HpaP807936	Ha_HpaP807936
GH16	189	HpaP807936	739	0.0000017	4	99	53	220	0.502645503	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807936	Oomycete	Ha	Ha_HpaP807936	Ha_HpaP807936
GH16	189	HpaP807937	705	1.30E-09	122	189	415	544	0.354497355	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807937	Oomycete	Ha	Ha_HpaP807937	Ha_HpaP807937
GH16	189	HpaP807937	705	0.00000007	4	91	40	197	0.46031746	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807937	Oomycete	Ha	Ha_HpaP807937	Ha_HpaP807937
GH16	189	HpaP807939	768	0.000000002	104	189	416	571	0.44973545	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807939	Oomycete	Ha	Ha_HpaP807939	Ha_HpaP807939
GH16	189	HpaP807939	768	0.00000021	4	100	70	239	0.507936508	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807939	Oomycete	Ha	Ha_HpaP807939	Ha_HpaP807939
GH16	189	HpaP807942	702	4.20E-10	122	189	394	517	0.354497355	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807942	Oomycete	Ha	Ha_HpaP807942	Ha_HpaP807942
GH16	189	HpaP807950	692	1.50E-09	76	189	325	506	0.597883588	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807950	Oomycete	Ha	Ha_HpaP807950	Ha_HpaP807950
GH16	189	HpaP807950	692	0.000000036	4	90	3	168	0.455026455	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP807950	Oomycete	Ha	Ha_HpaP807950	Ha_HpaP807950
GT60	330	HpaP808080	530	3.80E-55	2	330	72	386	0.993939394	Hyaloperonospora_arabidopsis	Phytophthora	GT60_HpaP808080	Oomycete	Ha	Ha_HpaP808080	Ha_HpaP808080
GT8	257	HpaP808124	523	2.50E-27	37	234	54	253	0.766536965	Hyaloperonospora_arabidopsis	Phytophthora	GT8_HpaP808124	Oomycete	Ha	Ha_HpaP808124	Ha_HpaP808124
GT8	257	HpaP808125	523	2.50E-27	37	234	54	253	0.766536965	Hyaloperonospora_arabidopsis	Phytophthora	GT8_HpaP808125	Oomycete	Ha	Ha_HpaP808125	Ha_HpaP808125
GT71	264	HpaP808164	191	1.80E-27	85	246	1	182	0.609848485	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP808164	Oomycete	Ha	Ha_HpaP808164	Ha_HpaP808164
GT71	264	HpaP808172	477	7.10E-45	2	246	88	368	0.924242424	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP808172	Oomycete	Ha	Ha_HpaP808172	Ha_HpaP808172
GT71	264	HpaP808176	450	2.90E-45	2	246	61	341	0.924242424	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP808176	Oomycete	Ha	Ha_HpaP808176	Ha_HpaP808176
GT71	264	HpaP808179	395	3.00E-44	2	247	67	348	0.928030303	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP808179	Oomycete	Ha	Ha_HpaP808179	Ha_HpaP808179
GT71	264	HpaP808180	483	3.40E-42	2	240	94	368	0.901515152	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP808180	Oomycete	Ha	Ha_HpaP808180	Ha_HpaP808180
GH5	275	HpaP808244	341	7.80E-38	6	230	20	333	0.814545455	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP808244	Oomycete	Ha	Ha_HpaP808244	Ha_HpaP808244
CE10	341	HpaP808292	696	1.00E-32	93	332	457</									

AA6	195	HpaP808503	280	3.60E-83	1	195	82	276	0.994871795	Hyaloperonospora_arabidopsis	Phytophthora	AA6_HpaP808503	Oomycete	Ha	Ha_HpaP808503	Ha_HpaP808503
GH18	296	HpaP808512	401	1.50E-21	85	279	209	398	0.655405405	Hyaloperonospora_arabidopsis	Phytophthora	GH18_HpaP808512	Oomycete	Ha	Ha_HpaP808512	Ha_HpaP808512
GT20	475	HpaP808513	1228	2.10E-109	11	335	71	413	0.682105263	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP808513	Oomycete	Ha	Ha_HpaP808513	Ha_HpaP808513
GT20	475	HpaP808513	1228	4.10E-61	319	437	481	707	0.324210526	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP808513	Oomycete	Ha	Ha_HpaP808513	Ha_HpaP808513
CBM50	40	HpaP808521	336	3.80E-10	1	39	30	76	0.95	Hyaloperonospora_arabidopsis	Phytophthora	CBM50_HpaP808521	Oomycete	Ha	Ha_HpaP808521	Ha_HpaP808521
CBM50	40	HpaP808521	336	0.0000015	1	39	263	309	0.95	Hyaloperonospora_arabidopsis	Phytophthora	CBM50_HpaP808521	Oomycete	Ha	Ha_HpaP808521	Ha_HpaP808521
CBM50	40	HpaP808521	336	0.0000018	1	40	192	239	0.975	Hyaloperonospora_arabidopsis	Phytophthora	CBM50_HpaP808521	Oomycete	Ha	Ha_HpaP808521	Ha_HpaP808521
CBM50	40	HpaP808521	336	0.00013	4	37	102	143	0.825	Hyaloperonospora_arabidopsis	Phytophthora	CBM50_HpaP808521	Oomycete	Ha	Ha_HpaP808521	Ha_HpaP808521
GH30	417	HpaP808533	577	2.10E-112	12	416	87	534	0.96882494	Hyaloperonospora_arabidopsis	Phytophthora	GH30_HpaP808533	Oomycete	Ha	Ha_HpaP808533	Ha_HpaP808533_secreted
GH30	417	HpaP808535	531	9.00E-92	69	415	1	388	0.829736211	Hyaloperonospora_arabidopsis	Phytophthora	GH30_HpaP808535	Oomycete	Ha	Ha_HpaP808535	Ha_HpaP808535
GH12	156	HpaP808599	251	3.20E-33	2	155	92	242	0.980769231	Hyaloperonospora_arabidopsis	Phytophthora	GH12_HpaP808599	Oomycete	Ha	Ha_HpaP808599	Ha_HpaP808599_secreted
GH5	275	HpaP808603	373	1.30E-36	28	235	57	338	0.752727273	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP808603	Oomycete	Ha	Ha_HpaP808603	Ha_HpaP808603
GH3	216	HpaP808621	804	2.90E-59	8	215	114	332	0.958333333	Hyaloperonospora_arabidopsis	Phytophthora	GH3_HpaP808621	Oomycete	Ha	Ha_HpaP808621	Ha_HpaP808621_secreted
CE10	341	HpaP808705	288	2.40E-11	78	218	25	161	0.410557185	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP808705	Oomycete	Ha	Ha_HpaP808705	Ha_HpaP808705
GH131	255	HpaP808934	383	1.30E-25	33	247	60	257	0.839215686	Hyaloperonospora_arabidopsis	Phytophthora	GH131_HpaP808934	Oomycete	Ha	Ha_HpaP808934	Ha_HpaP808934_secreted
GH131	255	HpaP808936	303	3.10E-21	34	253	60	268	0.858823529	Hyaloperonospora_arabidopsis	Phytophthora	GH131_HpaP808936	Oomycete	Ha	Ha_HpaP808936	Ha_HpaP808936_secreted
GH131	255	HpaP808946	326	2.20E-22	3	245	22	249	0.949019608	Hyaloperonospora_arabidopsis	Phytophthora	GH131_HpaP808946	Oomycete	Ha	Ha_HpaP808946	Ha_HpaP808946
GH5	275	HpaP808999	655	5.00E-25	3	235	14	499	0.843636364	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP808999	Oomycete	Ha	Ha_HpaP808999	Ha_HpaP808999
GH16	189	HpaP809175	384	9.70E-09	123	189	106	223	0.349206349	Hyaloperonospora_arabidopsis	Phytophthora	GH16_HpaP809175	Oomycete	Ha	Ha_HpaP809175	Ha_HpaP809175
GH6	294	HpaP809194	461	1.20E-59	10	289	28	285	0.948979592	Hyaloperonospora_arabidopsis	Phytophthora	GH6_HpaP809194	Oomycete	Ha	Ha_HpaP809194	Ha_HpaP809194
GH6	294	HpaP809195	473	1.10E-40	15	289	7	250	0.931972789	Hyaloperonospora_arabidopsis	Phytophthora	GH6_HpaP809195	Oomycete	Ha	Ha_HpaP809195	Ha_HpaP809195
CE8	288	HpaP809280	347	1.00E-74	8	275	49	325	0.927083333	Hyaloperonospora_arabidopsis	Phytophthora	CE8_HpaP809280	Oomycete	Ha	Ha_HpaP809280	Ha_HpaP809280_secreted
GH18	296	HpaP809312	365	1.60E-34	86	279	102	338	0.652027027	Hyaloperonospora_arabidopsis	Phytophthora	GH18_HpaP809312	Oomycete	Ha	Ha_HpaP809312	Ha_HpaP809312_secreted
CE8	288	HpaP809339	366	9.00E-68	7	273	66	341	0.923611111	Hyaloperonospora_arabidopsis	Phytophthora	CE8_HpaP809339	Oomycete	Ha	Ha_HpaP809339	Ha_HpaP809339
CE1	227	HpaP809340	308	0.0000057	106	209	71	271	0.453744493	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP809340	Oomycete	Ha	Ha_HpaP809340	Ha_HpaP809340
CE1	227	HpaP809341	256	0.0000035	106	211	19	221	0.462555066	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP809341	Oomycete	Ha	Ha_HpaP809341	Ha_HpaP809341
CBM13	188	HpaP809344	443	6.60E-17	8	136	315	440	0.680851064	Hyaloperonospora_arabidopsis	Phytophthora	CBM13_HpaP809344	Oomycete	Ha	Ha_HpaP809344	Ha_HpaP809344_secreted
GH17	311	HpaP809344	443	3.20E-21	12	306	46	300	0.945337621	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP809344	Oomycete	Ha	Ha_HpaP809344	Ha_HpaP809344_secreted
CBM13	188	HpaP809347	443	3.40E-17	8	135	315	439	0.675531915	Hyaloperonospora_arabidopsis	Phytophthora	CBM13_HpaP809347	Oomycete	Ha	Ha_HpaP809347	Ha_HpaP809347_secreted
GH17	311	HpaP809347	443	3.10E-21	11	306	45	307	0.948553055	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP809347	Oomycete	Ha	Ha_HpaP809347	Ha_HpaP809347_secreted
GT66	693	HpaP809439	541	1.70E-93	193	600	1	482	0.587301587	Hyaloperonospora_arabidopsis	Phytophthora	GT66_HpaP809439	Oomycete	Ha	Ha_HpaP809439	Ha_HpaP809439
GT76	407	HpaP809590	408	2.70E-95	1	407	5	408	0.997542998	Hyaloperonospora_arabidopsis	Phytophthora	GT76_HpaP809590	Oomycete	Ha	Ha_HpaP809590	Ha_HpaP809590
SLH	42	HpaP809592	49	0.00078	26	41	30	45	0.357142857	Hyaloperonospora_arabidopsis	Phytophthora	SLH_HpaP809592	Oomycete	Ha	Ha_HpaP809592	Ha_HpaP809592
GH81	622	HpaP809613	600	4.90E-139	103	622	1	591	0.834405145	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP809613	Oomycete	Ha	Ha_HpaP809613	Ha_HpaP809613
GH17	311	HpaP809702	393	9.10E-23	14	306	46	297	0.938906752	Hyaloperonospora_arabidopsis	Phytophthora	GH17_HpaP809702	Oomycete	Ha	Ha_HpaP809702	Ha_HpaP809702_secreted
AA7	458	HpaP809836	522	2.30E-55	5	454	69	509	0.980349345	Hyaloperonospora_arabidopsis	Phytophthora	AA7_HpaP809836	Oomycete	Ha	Ha_HpaP809836	Ha_HpaP809836
CE10	341	HpaP809882	537	4.00E-45	67	309	173	474	0.709677419	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP809882	Oomycete	Ha	Ha_HpaP809882	Ha_HpaP809882
GH5	275	HpaP810018	479	6.30E-30	6	237	34	346	0.84	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP810018	Oomycete	Ha	Ha_HpaP810018	Ha_HpaP810018_secreted
GT2	168	HpaP810051	1144	1.60E-25	17	168	566	817	0.898809524	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP810051	Oomycete	Ha	Ha_HpaP810051	Ha_HpaP810051
GT2_Cellulose_synt	722	HpaP810051	1144	3.40E-17	416	678	819	1085	0.362880886	Hyaloperonospora_arabidopsis	Phytophthora	GT2_Cellulose_synt_HpaP810051	Oomycete	Ha	Ha_HpaP810051	Ha_HpaP810051
GT45	115	HpaP810244	426	0.0000032	25	98	191	266	0.634782609	Hyaloperonospora_arabidopsis	Phytophthora	GT45_HpaP810244	Oomycete	Ha	Ha_HpaP810244	Ha_HpaP810244
PL1	202	HpaP810253	226	2.10E-24	21	154	13	156	0.658415842	Hyaloperonospora_arabidopsis	Phytophthora	PL1_HpaP810253	Oomycete	Ha	Ha_HpaP810253	Ha_HpaP810253
PL1	202	HpaP810254	446	5.20E-38	20	200	133	328	0.891089109	Hyaloperonospora_arabidopsis	Phytophthora	PL1_HpaP810254	Oomycete	Ha	Ha_HpaP810254	Ha_HpaP810254_secreted
GH37	491	HpaP810285	746	1.00E-160	2	489	190	737	0.991853361	Hyaloperonospora_arabidopsis	Phytophthora	GH37_HpaP810285	Oomycete	Ha	Ha_HpaP810285	Ha_HpaP810285
GH7	415	HpaP810311	612	1.30E-179	2	414	30	471	0.992771084	Hyaloperonospora_arabidopsis	Phytophthora	GH7_HpaP810311	Oomycete	Ha	Ha_HpaP810311	Ha_HpaP810311_secreted
GT20	475	HpaP810328	754	7.50E-139	14	473	14	513	0.96631579	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP810328	Oomycete	Ha	Ha_HpaP810328	Ha_HpaP810328
GH81	622	HpaP810356	785	1.80E-158	11	621	109	780	0.980707396	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP810356	Oomycete	Ha	Ha_HpaP810356	Ha_HpaP810356_secreted
GH5	275	HpaP810444	534	4.40E-39	4	239	38	351	0.854545455	Hyaloperonospora_arabidopsis	Phytophthora	GH5_HpaP810444	Oomycete	Ha	Ha_HpaP810444	Ha_HpaP810444_secreted
GT71	264	HpaP810456	628	5.30E-52	2	264	283	512	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP810456	Oomycete	Ha	Ha_HpaP810456	Ha_HpaP810456
CE10	341	HpaP810523	787	5.30E-26	69	308	500	762	0.700879765	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP810523	Oomycete	Ha	Ha_HpaP810523	Ha_HpaP810523
CE14	124	HpaP810542	304	1.20E-11	1	124	55	173	0.991935484	Hyaloperonospora_arabidopsis	Phytophthora	CE14_HpaP810542	Oomycete	Ha	Ha_HpaP810542	Ha_HpaP810542
AA7	458	HpaP810555	534	1.20E-84	9	458	95	531	0.980349345	Hyaloperonospora_arabidopsis	Phytophthora	AA7_HpaP810555	Oomycete	Ha	Ha_HpaP810555	Ha_HpaP810555_secreted
GT71	264	HpaP810685	822	1.50E-48	1	264	459	694	0.996212121	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP810685	Oomycete	Ha	Ha_HpaP810685	Ha_HpaP810685
GT71	264	HpaP810688	569	1.70E-54	2	264	176	410	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP810688	Oomycete	Ha	Ha_HpaP810688	Ha_HpaP810688
CE10	341	HpaP810745	380	1.70E-30	93	335	95	353	0.709677419	Hyaloperonospora_arabidopsis	Phytophthora	CE10_HpaP810745	Oomycete	Ha	Ha_HpaP810745	Ha_HpaP810745
GT60	330	HpaP810746	424	9.90E-75	4	329	98	400	0.984848485	Hyaloperonospora_arabidopsis	Phytophthora	GT60_HpaP810746	Oomycete	Ha	Ha_HpaP810746	Ha_HpaP810746
AA3	618	HpaP810917	349	1.10E-72	85	284	28	327	0.322006473	Hyaloperonospora_arabidopsis	Phytophthora	AA3_HpaP810917	Oomycete	Ha	Ha_HpaP810917	Ha_HpaP810917
AA7	458	HpaP810945	518	6.30E-53	5	454	69	509	0.980349345	Hyaloperonospora_arabidopsis	Phytophthora	AA7_HpaP810945	Oomycete	Ha	Ha_HpaP810945	Ha_HpaP810945_secreted
GH81	622	HpaP811032	1083	8.80E-151	17	622	70	771	0.97266881	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP811032	Oomycete	Ha	Ha_HpaP811032	Ha_HpaP811032
GT90	250	HpaP811297	763	6.20E-29	2	240	252	598	0.952	Hyaloperonospora_arabidopsis	Phytophthora	GT90_HpaP811297	Oomycete	Ha	Ha_HpaP811297	Ha_HpaP811297
GH109	126	HpaP811413	339	0.000000014	2	126	11	123	0.984126984	Hyaloperonospora_arabidopsis	Phytophthora	GH109_HpaP811413	Oomycete	Ha	Ha_HpaP811413	Ha_HpaP811413
GT20	475	HpaP811418	874	1.60E-148	11	474	56	521	0.974736842	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP811418	Oomycete	Ha	Ha_HpaP811418	Ha_HpaP811418
GH31	427	HpaP811466	1029	1.80E-143	2	427	413	886	0.995316159	Hyaloperonospora_arabidopsis	Phytophthora	GH31_HpaP811466	Oomycete	Ha	Ha_HpaP811466	Ha_HpaP811466
GT4	160	HpaP811610	453	1.10E-30	11	148	208	344	0.85625	Hyaloperonospora_arabidopsis	Phytophthora	GT4_HpaP811610	Oomycete	Ha	Ha_HpaP811610	Ha_HpaP811610
GT28	157	HpaP811643	168	1.80E-11	64	123	69	128	0.375796178	Hyaloperonospora_arabidopsis	Phytophthora	GT28_HpaP811643	Oomycete	Ha	Ha_HpaP811643	Ha_HpaP811643
GT28	157	HpaP811644	168	1.80E-11	64	123	69	128	0.375796178	Hyaloperonospora_arabidopsis	Phytophthora	GT28_HpaP811644	Oomycete	Ha	Ha_HpaP811644	Ha_HpaP811644
GT41	705	HpaP811648	1010	9.20E-88	464	703	475	722	0.339007092	Hyaloperonospora_arabidopsis	Phytophthora	GT41_HpaP811648	Oomycete	Ha	Ha_HpaP811	

PL3	197	HpaP811893	260	9.70E-64	2	195	38	230	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP811893	Oomycete	Ha	Ha_HpaP811893	Ha_HpaP811893_secreted
PL3	197	HpaP811894	260	9.70E-64	2	195	38	230	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP811894	Oomycete	Ha	Ha_HpaP811894	Ha_HpaP811894_secreted
GH3	216	HpaP811912	738	8.90E-61	9	216	82	300	0.958333333	Hyaloperonospora_arabidopsis	Phytophthora	GH3_HpaP811912	Oomycete	Ha	Ha_HpaP811912	Ha_HpaP811912
CE11	271	HpaP811933	290	1.10E-51	80	270	63	280	0.701107011	Hyaloperonospora_arabidopsis	Phytophthora	CE11_HpaP811933	Oomycete	Ha	Ha_HpaP811933	Ha_HpaP811933
GH123	538	HpaP811937	867	9.70E-33	312	503	601	809	0.355018587	Hyaloperonospora_arabidopsis	Phytophthora	GH123_HpaP811937	Oomycete	Ha	Ha_HpaP811937	Ha_HpaP811937
GH123	538	HpaP811937	867	9.80E-30	104	281	296	489	0.328996283	Hyaloperonospora_arabidopsis	Phytophthora	GH123_HpaP811937	Oomycete	Ha	Ha_HpaP811937	Ha_HpaP811937
GT60	330	HpaP812029	505	4.40E-61	1	330	44	357	0.996969697	Hyaloperonospora_arabidopsis	Phytophthora	GT60_HpaP812029	Oomycete	Ha	Ha_HpaP812029	Ha_HpaP812029
GH28	325	HpaP812139	389	7.90E-62	6	307	74	377	0.926153846	Hyaloperonospora_arabidopsis	Phytophthora	GH28_HpaP812139	Oomycete	Ha	Ha_HpaP812139	Ha_HpaP812139_secreted
GH28	325	HpaP812140	340	9.20E-56	59	315	65	338	0.787692308	Hyaloperonospora_arabidopsis	Phytophthora	GH28_HpaP812140	Oomycete	Ha	Ha_HpaP812140	Ha_HpaP812140
GT33	425	HpaP812415	606	9.40E-158	2	409	25	450	0.957647059	Hyaloperonospora_arabidopsis	Phytophthora	GT33_HpaP812415	Oomycete	Ha	Ha_HpaP812415	Ha_HpaP812415
PL1	202	HpaP812720	436	1.60E-38	20	201	123	319	0.896039604	Hyaloperonospora_arabidopsis	Phytophthora	PL1_HpaP812720	Oomycete	Ha	Ha_HpaP812720	Ha_HpaP812720_secreted
GT50	262	HpaP812792	244	4.50E-28	1	110	129	244	0.416030534	Hyaloperonospora_arabidopsis	Phytophthora	GT50_HpaP812792	Oomycete	Ha	Ha_HpaP812792	Ha_HpaP812792
GH3	216	HpaP812935	612	9.70E-37	82	213	2	152	0.606481482	Hyaloperonospora_arabidopsis	Phytophthora	GH3_HpaP812935	Oomycete	Ha	Ha_HpaP812935	Ha_HpaP812935
GH10	303	HpaP813111	210	8.80E-47	112	290	1	188	0.587458746	Hyaloperonospora_arabidopsis	Phytophthora	GH10_HpaP813111	Oomycete	Ha	Ha_HpaP813111	Ha_HpaP813111
GT71	264	HpaP813233	472	3.20E-49	2	264	126	357	0.992424242	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP813233	Oomycete	Ha	Ha_HpaP813233	Ha_HpaP813233
GH63	570	HpaP813265	923	8.30E-23	318	568	630	922	0.438596491	Hyaloperonospora_arabidopsis	Phytophthora	GH63_HpaP813265	Oomycete	Ha	Ha_HpaP813265	Ha_HpaP813265
GT60	330	HpaP813332	514	1.90E-53	1	330	70	367	0.996969697	Hyaloperonospora_arabidopsis	Phytophthora	GT60_HpaP813332	Oomycete	Ha	Ha_HpaP813332	Ha_HpaP813332
GH6	294	HpaP813395	485	3.20E-57	13	289	39	293	0.93877551	Hyaloperonospora_arabidopsis	Phytophthora	GH6_HpaP813395	Oomycete	Ha	Ha_HpaP813395	Ha_HpaP813395_secreted
GH6	294	HpaP813396	424	1.30E-61	13	289	43	297	0.93877551	Hyaloperonospora_arabidopsis	Phytophthora	GH6_HpaP813396	Oomycete	Ha	Ha_HpaP813396	Ha_HpaP813396_secreted
CE1	227	HpaP813414	442	0.000000071	20	141	96	227	0.533039648	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP813414	Oomycete	Ha	Ha_HpaP813414	Ha_HpaP813414
GT2	168	HpaP813434	1019	6.50E-10	2	108	342	529	0.630952381	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP813434	Oomycete	Ha	Ha_HpaP813434	Ha_HpaP813434
GT2	168	HpaP813434	1019	0.000000029	105	168	640	703	0.375	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP813434	Oomycete	Ha	Ha_HpaP813434	Ha_HpaP813434
GT2	168	HpaP813435	1028	1.70E-11	2	108	347	534	0.630952381	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP813435	Oomycete	Ha	Ha_HpaP813435	Ha_HpaP813435
GT2	168	HpaP813435	1028	0.000000032	105	168	647	710	0.375	Hyaloperonospora_arabidopsis	Phytophthora	GT2_HpaP813435	Oomycete	Ha	Ha_HpaP813435	Ha_HpaP813435
GT48	739	HpaP813503	2468	1.20E-247	2	677	873	1600	0.913396482	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP813503	Oomycete	Ha	Ha_HpaP813503	Ha_HpaP813503
GT20	475	HpaP813646	1206	2.60E-131	14	474	323	819	0.968421053	Hyaloperonospora_arabidopsis	Phytophthora	GT20_HpaP813646	Oomycete	Ha	Ha_HpaP813646	Ha_HpaP813646
GT48	739	HpaP813659	2226	1.60E-271	2	723	849	1604	0.975642761	Hyaloperonospora_arabidopsis	Phytophthora	GT48_HpaP813659	Oomycete	Ha	Ha_HpaP813659	Ha_HpaP813659
GT71	264	HpaP813685	494	1.80E-48	3	264	192	425	0.988636364	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP813685	Oomycete	Ha	Ha_HpaP813685	Ha_HpaP813685
GH109	126	HpaP813744	349	1.90E-13	2	115	10	114	0.896825397	Hyaloperonospora_arabidopsis	Phytophthora	GH109_HpaP813744	Oomycete	Ha	Ha_HpaP813744	Ha_HpaP813744
GT31	192	HpaP813806	351	1.10E-12	57	189	105	259	0.6875	Hyaloperonospora_arabidopsis	Phytophthora	GT31_HpaP813806	Oomycete	Ha	Ha_HpaP813806	Ha_HpaP813806_secreted
GT71	264	HpaP813901	379	1.60E-42	2	262	66	338	0.984848485	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP813901	Oomycete	Ha	Ha_HpaP813901	Ha_HpaP813901_secreted
GT71	264	HpaP813979	580	2.60E-52	3	264	191	424	0.988636364	Hyaloperonospora_arabidopsis	Phytophthora	GT71_HpaP813979	Oomycete	Ha	Ha_HpaP813979	Ha_HpaP813979
GT57	481	HpaP814266	531	8.70E-139	2	479	35	510	0.991683992	Hyaloperonospora_arabidopsis	Phytophthora	GT57_HpaP814266	Oomycete	Ha	Ha_HpaP814266	Ha_HpaP814266
CBM32	124	HpaP814292	3156	0.00000061	3	107	286	392	0.838709677	Hyaloperonospora_arabidopsis	Phytophthora	CBM32_HpaP814292	Oomycete	Ha	Ha_HpaP814292	Ha_HpaP814292
CBM51	134	HpaP814292	3156	1.50E-11	43	133	768	863	0.671641791	Hyaloperonospora_arabidopsis	Phytophthora	CBM51_HpaP814292	Oomycete	Ha	Ha_HpaP814292	Ha_HpaP814292
GH13	299	HpaP814327	437	2.00E-34	37	289	2	287	0.842809365	Hyaloperonospora_arabidopsis	Phytophthora	GH13_HpaP814327	Oomycete	Ha	Ha_HpaP814327	Ha_HpaP814327
GH12	156	HpaP814377	244	4.50E-30	2	155	92	241	0.980769231	Hyaloperonospora_arabidopsis	Phytophthora	GH12_HpaP814377	Oomycete	Ha	Ha_HpaP814377	Ha_HpaP814377_secreted
GT35	674	HpaP814555	300	1.90E-105	162	432	8	298	0.400593472	Hyaloperonospora_arabidopsis	Phytophthora	GT35_HpaP814555	Oomycete	Ha	Ha_HpaP814555	Ha_HpaP814555
CE1	227	HpaP814574	358	0.000000059	15	143	65	218	0.563876652	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP814574	Oomycete	Ha	Ha_HpaP814574	Ha_HpaP814574
GH32	293	HpaP814599	440	7.30E-18	139	282	28	196	0.488054608	Hyaloperonospora_arabidopsis	Phytophthora	GH32_HpaP814599	Oomycete	Ha	Ha_HpaP814599	Ha_HpaP814599
PL3	197	HpaP814606	217	2.30E-61	2	195	8	200	0.979695432	Hyaloperonospora_arabidopsis	Phytophthora	PL3_HpaP814606	Oomycete	Ha	Ha_HpaP814606	Ha_HpaP814606
GH81	622	HpaP814610	734	2.00E-162	63	621	8	603	0.897106109	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP814610	Oomycete	Ha	Ha_HpaP814610	Ha_HpaP814610
GT44	100	HpaP814615	87	0.00043	16	70	13	66	0.54	Hyaloperonospora_arabidopsis	Phytophthora	GT44_HpaP814615	Oomycete	Ha	Ha_HpaP814615	Ha_HpaP814615
GH32	293	HpaP814664	630	5.60E-62	1	282	46	386	0.959044369	Hyaloperonospora_arabidopsis	Phytophthora	GH32_HpaP814664	Oomycete	Ha	Ha_HpaP814664	Ha_HpaP814664_secreted
GT24	248	HpaP814677	886	3.00E-122	1	248	605	850	0.995967742	Hyaloperonospora_arabidopsis	Phytophthora	GT24_HpaP814677	Oomycete	Ha	Ha_HpaP814677	Ha_HpaP814677
GH81	622	HpaP814688	847	9.60E-175	11	621	64	728	0.980707396	Hyaloperonospora_arabidopsis	Phytophthora	GH81_HpaP814688	Oomycete	Ha	Ha_HpaP814688	Ha_HpaP814688
GH28	325	HpaP814741	299	1.30E-59	51	306	13	285	0.784615385	Hyaloperonospora_arabidopsis	Phytophthora	GH28_HpaP814741	Oomycete	Ha	Ha_HpaP814741	Ha_HpaP814741
GH35	307	HpaP814834	273	1.60E-65	1	177	64	239	0.573289902	Hyaloperonospora_arabidopsis	Phytophthora	GH35_HpaP814834	Oomycete	Ha	Ha_HpaP814834	Ha_HpaP814834
CE1	227	HpaP814843	447	0.000000021	20	141	198	348	0.533039648	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP814843	Oomycete	Ha	Ha_HpaP814843	Ha_HpaP814843
CE1	227	HpaP814856	234	0.000000022	20	142	86	197	0.537444934	Hyaloperonospora_arabidopsis	Phytophthora	CE1_HpaP814856	Oomycete	Ha	Ha_HpaP814856	Ha_HpaP814856_secreted
GT32	90	Phatr3_EG000064.p1	318	1.10E-10	17	81	105	166	0.711111111	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_EG000064.p1	Diatom	Phatr	Phatr_EG000064	Phatr_EG000064
GT31	192	Phatr3_EG001115.p1	400	6.60E-27	3	189	146	324	0.96875	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_EG001115.p1	Diatom	Phatr	Phatr_EG001115	Phatr_EG001115
GT23	318	Phatr3_EG001177.p1	485	0.000000092	153	274	217	353	0.380503145	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_EG001177.p1	Diatom	Phatr	Phatr_EG001177	Phatr_EG001177
GT68	350	Phatr3_EG00201.p1	657	5.20E-16	34	341	270	605	0.877142857	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_EG00201.p1	Diatom	Phatr	Phatr_EG00201	Phatr_EG00201
GT47	296	Phatr3_EG00208.p1	344	6.60E-24	105	288	100	289	0.618243243	Phaeodactylum_tricornutum	Diatom	GT47_Phatr3_EG00208.p1	Diatom	Phatr	Phatr_EG00208	Phatr_EG00208
GT8	257	Phatr3_EG00342.p1	486	8.30E-12	43	254	105	392	0.821011673	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_EG00342.p1	Diatom	Phatr	Phatr_EG00342	Phatr_EG00342
GT34	246	Phatr3_EG00407.p1	426	1.40E-23	28	239	184	413	0.857723577	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_EG00407.p1	Diatom	Phatr	Phatr_EG00407	Phatr_EG00407
GH16	189	Phatr3_EG00559.p1	680	0.000000002	13	173	412	621	0.846560847	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_EG00559.p1	Diatom	Phatr	Phatr_EG00559	Phatr_EG00559
GT25	181	Phatr3_EG00561.p1	1170	3.60E-15	5	179	820	1079	0.961325967	Phaeodactylum_tricornutum	Diatom	GT25_Phatr3_EG00561.p1	Diatom	Phatr	Phatr_EG00561	Phatr_EG00561
GH128	224	Phatr3_EG00719.p1	444	5.70E-52	9	224	205	428	0.959821429	Phaeodactylum_tricornutum	Diatom	GH128_Phatr3_EG00719.p1	Diatom	Phatr	Phatr_EG00719	Phatr_EG00719
CE10	341	Phatr3_EG00764.p1	374	2.30E-19	93	314	120	335	0.648093842	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_EG00764.p1	Diatom	Phatr	Phatr_EG00764	Phatr_EG00764
GT68	350	Phatr3_EG00841.p1	623	2.00E-10	209	340	415	555	0.374285714	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_EG00841.p1	Diatom	Phatr	Phatr_EG00841	Phatr_EG00841
CE3	194	Phatr3_EG00849.p1	342	0.000000071	52	149	127	245	0.5	Phaeodactylum_tricornutum	Diatom	CE3_Phatr3_EG00849.p1	Diatom	Phatr	Phatr_EG00849	Phatr_EG00849
GT2	168	Phatr3_EG00961.p1	439	0.000000048	1	103	175	287	0.607142857	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_EG00961.p1	Diatom	Phatr	Phatr_EG00961	Phatr_EG00961
CBM22	131	Phatr3_EG00976.p1	472	0.000000025	1	84	293	379	0.633587786	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_EG00976.p1	Diatom	Phatr	Phatr_EG00976	Phatr_EG00976
GH2	752	Phatr3_EG01004.p1	989	5.50E-60	57	472	78	767	0.551861702	Phaeodactylum_tricornutum	Diatom	GH2_Phatr3_EG01004.p1	Diatom	Phatr	Phatr_EG01004	Phatr_EG01004
GH81	622	Phatr3_EG01219.p1	1040	1.50E-78	337	622	664									

CBM13	188	Phatr3_EG01991.p1	442	0.00032	68	139	319	392	0.377659575	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_EG01991.p1	Diatom	Phatr	Phatr_EG01991	Phatr_EG01991
CBM13	188	Phatr3_EG01992.p1	315	0.00038	71	132	195	258	0.324468085	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_EG01992.p1	Diatom	Phatr	Phatr_EG01992	Phatr_EG01992
GT49	337	Phatr3_EG02011.p1	842	5.90E-89	50	335	325	666	0.845697329	Phaeodactylum_tricornutum	Diatom	GT49_Phatr3_EG02011.p1	Diatom	Phatr	Phatr_EG02011	Phatr_EG02011
CE1	227	Phatr3_EG02172.p1	407	8.10E-42	1	223	30	291	0.977973568	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_EG02172.p1	Diatom	Phatr	Phatr_EG02172	Phatr_EG02172
GH1	429	Phatr3_EG02210.p1	2599	7.00E-170	4	427	1767	2215	0.986013986	Phaeodactylum_tricornutum	Diatom	GH1_Phatr3_EG02210.p1	Diatom	Phatr	Phatr_EG02210	Phatr_EG02210
AA5	1281	Phatr3_EG02229.p1	2854	1.30E-144	550	1106	741	1344	0.434035909	Phaeodactylum_tricornutum	Diatom	AA5_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM13	188	Phatr3_EG02229.p1	2854	1.10E-18	5	134	370	504	0.686170213	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM13	188	Phatr3_EG02229.p1	2854	3.40E-12	49	131	36	124	0.436170213	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	5.50E-17	32	145	1479	1596	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	7.20E-17	32	145	2172	2289	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	9.20E-17	32	145	1710	1827	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	1.10E-16	32	145	1941	2058	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	1.30E-16	42	145	227	332	0.700680272	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
CBM57	147	Phatr3_EG02229.p1	2854	1.30E-14	39	145	621	729	0.721088435	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_EG02229.p1	Diatom	Phatr	Phatr_EG02229	Phatr_EG02229
AA2	255	Phatr3_EG02288.p1	399	7.90E-61	17	250	26	259	0.91372549	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_EG02288.p1	Diatom	Phatr	Phatr_EG02288	Phatr_EG02288
GT96	307	Phatr3_EG02299.p1	849	1.30E-16	2	224	587	842	0.723127036	Phaeodactylum_tricornutum	Diatom	GT96_Phatr3_EG02299.p1	Diatom	Phatr	Phatr_EG02299	Phatr_EG02299
GH35	307	Phatr3_EG02313.p1	1503	9.20E-53	3	304	711	1079	0.980456026	Phaeodactylum_tricornutum	Diatom	GH35_Phatr3_EG02313.p1	Diatom	Phatr	Phatr_EG02313	Phatr_EG02313
CE3	194	Phatr3_EG02330.p1	537	0.00000015	53	177	363	494	0.639175258	Phaeodactylum_tricornutum	Diatom	CE3_Phatr3_EG02330.p1	Diatom	Phatr	Phatr_EG02330	Phatr_EG02330
GT32	90	Phatr3_EG02333.p1	1028	1.40E-17	4	86	453	529	0.911111111	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_EG02333.p1	Diatom	Phatr	Phatr_EG02333	Phatr_EG02333
GT23	318	Phatr3_EG02336.p1	1133	0.00000059	139	275	866	1016	0.427672956	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_EG02336.p1	Diatom	Phatr	Phatr_EG02336	Phatr_EG02336
GH31	427	Phatr3_EG02351.p1	1065	6.10E-146	2	427	473	925	0.995316159	Phaeodactylum_tricornutum	Diatom	GH31_Phatr3_EG02351.p1	Diatom	Phatr	Phatr_EG02351	Phatr_EG02351
GH47	446	Phatr3_EG02374.p1	666	2.10E-144	2	446	200	655	0.995515695	Phaeodactylum_tricornutum	Diatom	GH47_Phatr3_EG02374.p1	Diatom	Phatr	Phatr_EG02374	Phatr_EG02374
GT90	250	Phatr3_EG02383.p1	1822	4.60E-24	57	226	1262	1433	0.676	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_EG02383.p1	Diatom	Phatr	Phatr_EG02383	Phatr_EG02383
GT49	337	Phatr3_EG02392.p1	942	5.10E-37	73	309	2	258	0.700296736	Phaeodactylum_tricornutum	Diatom	GT49_Phatr3_EG02392.p1	Diatom	Phatr	Phatr_EG02392	Phatr_EG02392
GH2	752	Phatr3_EG02430.p1	615	3.20E-62	21	294	242	601	0.363031915	Phaeodactylum_tricornutum	Diatom	GH2_Phatr3_EG02430.p1	Diatom	Phatr	Phatr_EG02430	Phatr_EG02430
GH2	752	Phatr3_EG02432.p1	658	1.00E-66	376	749	4	516	0.496010638	Phaeodactylum_tricornutum	Diatom	GH2_Phatr3_EG02432.p1	Diatom	Phatr	Phatr_EG02432	Phatr_EG02432
GT4	160	Phatr3_EG02454.p1	679	8.70E-29	8	156	259	399	0.925	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_EG02454.p1	Diatom	Phatr	Phatr_EG02454	Phatr_EG02454
GT60	330	Phatr3_EG02463.p1	509	1.60E-64	1	329	38	375	0.993939394	Phaeodactylum_tricornutum	Diatom	GT60_Phatr3_EG02463.p1	Diatom	Phatr	Phatr_EG02463	Phatr_EG02463
GT28	157	Phatr3_EG02525.p1	574	9.00E-31	1	157	386	543	0.993630573	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_EG02525.p1	Diatom	Phatr	Phatr_EG02525	Phatr_EG02525
GH16	189	Phatr3_EG02526.p1	1028	2.10E-48	2	189	28	265	0.989417989	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_EG02526.p1	Diatom	Phatr	Phatr_EG02526	Phatr_EG02526
AA7	458	Phatr3_EG02562.p1	579	2.40E-18	13	195	147	344	0.397379913	Phaeodactylum_tricornutum	Diatom	AA7_Phatr3_EG02562.p1	Diatom	Phatr	Phatr_EG02562	Phatr_EG02562
CE10	341	Phatr3_J10362.p1	391	3.50E-12	86	218	91	242	0.387096774	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J10362.p1	Diatom	Phatr	Phatr_J10362	Phatr_J10362
CE1	227	Phatr3_J10718.p1	408	0.0000059	25	119	121	210	0.414096916	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J10718.p1	Diatom	Phatr	Phatr_J10718	Phatr_J10718
GT58	364	Phatr3_J10976.p1	370	3.90E-71	108	323	155	366	0.590659341	Phaeodactylum_tricornutum	Diatom	GT58_Phatr3_J10976.p1	Diatom	Phatr	Phatr_J10976	Phatr_J10976
CE1	227	Phatr3_J11048.p1	1273	0.0000055	22	120	225	337	0.431718062	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J11048.p1	Diatom	Phatr	Phatr_J11048	Phatr_J11048
GT64	248	Phatr3_J11259.p1	472	9.90E-55	1	230	148	379	0.923387097	Phaeodactylum_tricornutum	Diatom	GT64_Phatr3_J11259.p1	Diatom	Phatr	Phatr_J11259	Phatr_J11259
GT4	160	Phatr3_J11390.p1	918	1.60E-13	8	116	505	609	0.675	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J11390.p1	Diatom	Phatr	Phatr_J11390	Phatr_J11390
GT1	382	Phatr3_J1174.p1	887	3.00E-46	81	371	136	457	0.759162304	Phaeodactylum_tricornutum	Diatom	GT1_Phatr3_J1174.p1	Diatom	Phatr	Phatr_J1174	Phatr_J1174
GH3	216	Phatr3_J12313.p1	795	1.20E-51	3	215	114	363	0.981481482	Phaeodactylum_tricornutum	Diatom	GH3_Phatr3_J12313.p1	Diatom	Phatr	Phatr_J12313	Phatr_J12313
GT2	168	Phatr3_J12329.p1	103	0.000000024	1	111	103	218	0.654761905	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J12329.p1	Diatom	Phatr	Phatr_J12329	Phatr_J12329
GT4	160	Phatr3_J12884.p1	849	0.000000008	7	114	482	674	0.66875	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J12884.p1	Diatom	Phatr	Phatr_J12884	Phatr_J12884
AA2	255	Phatr3_J13244.p1	357	2.60E-51	7	254	92	348	0.968627451	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J13244.p1	Diatom	Phatr	Phatr_J13244	Phatr_J13244
AA3	618	Phatr3_J1341.p1	613	3.20E-79	79	399	14	588	0.517799353	Phaeodactylum_tricornutum	Diatom	AA3_Phatr3_J1341.p1	Diatom	Phatr	Phatr_J1341	Phatr_J1341
GT60	330	Phatr3_J13590.p1	568	5.80E-77	1	329	190	523	0.993939394	Phaeodactylum_tricornutum	Diatom	GT60_Phatr3_J13590.p1	Diatom	Phatr	Phatr_J13590	Phatr_J13590
CBM43	83	Phatr3_J1372.p1	758	0.000000089	2	78	578	655	0.915662651	Phaeodactylum_tricornutum	Diatom	CBM43_Phatr3_J1372.p1	Diatom	Phatr	Phatr_J1372	Phatr_J1372
GH5	275	Phatr3_J1372.p1	758	2.50E-31	27	219	145	423	0.698181818	Phaeodactylum_tricornutum	Diatom	GH5_Phatr3_J1372.p1	Diatom	Phatr	Phatr_J1372	Phatr_J1372
CE10	341	Phatr3_J13777.p1	818	4.10E-26	87	316	575	801	0.671554252	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J13777.p1	Diatom	Phatr	Phatr_J13777	Phatr_J13777
GT33	425	Phatr3_J14002.p1	455	1.50E-121	3	424	2	445	0.990588235	Phaeodactylum_tricornutum	Diatom	GT33_Phatr3_J14002.p1	Diatom	Phatr	Phatr_J14002	Phatr_J14002
CE7	313	Phatr3_J14054.p1	597	0.000000051	51	297	180	412	0.785942492	Phaeodactylum_tricornutum	Diatom	CE7_Phatr3_J14054.p1	Diatom	Phatr	Phatr_J14054	Phatr_J14054
GT28	157	Phatr3_J14125.p1	540	8.10E-31	1	157	352	509	0.993630573	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_J14125.p1	Diatom	Phatr	Phatr_J14125	Phatr_J14125
CBM32	124	Phatr3_J14899.p1	303	0.000000037	11	69	87	152	0.467741936	Phaeodactylum_tricornutum	Diatom	CBM32_Phatr3_J14899.p1	Diatom	Phatr	Phatr_J14899	Phatr_J14899
GT20	475	Phatr3_J15140.p1	1208	2.10E-117	11	474	315	812	0.974736842	Phaeodactylum_tricornutum	Diatom	GT20_Phatr3_J15140.p1	Diatom	Phatr	Phatr_J15140	Phatr_J15140
AA6	195	Phatr3_J15393.p1	198	6.70E-74	1	195	3	196	0.994871795	Phaeodactylum_tricornutum	Diatom	AA6_Phatr3_J15393.p1	Diatom	Phatr	Phatr_J15393	Phatr_J15393
GH28	325	Phatr3_J16052.p1	862	9.30E-57	60	306	122	392	0.756923077	Phaeodactylum_tricornutum	Diatom	GH28_Phatr3_J16052.p1	Diatom	Phatr	Phatr_J16052	Phatr_J16052
GT50	262	Phatr3_J18303.p1	478	1.10E-53	1	260	188	457	0.988549618	Phaeodactylum_tricornutum	Diatom	GT50_Phatr3_J18303.p1	Diatom	Phatr	Phatr_J18303	Phatr_J18303
AA2	255	Phatr3_J18572.p1	774	3.10E-16	8	118	105	217	0.431372549	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J18572.p1	Diatom	Phatr	Phatr_J18572	Phatr_J18572
AA2	255	Phatr3_J18572.p1	774	1.50E-10	18	253	498	769	0.921568628	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J18572.p1	Diatom	Phatr	Phatr_J18572	Phatr_J18572
GT2	168	Phatr3_J19705.p1	236	1.30E-39	1	168	4	174	0.994047619	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J19705.p1	Diatom	Phatr	Phatr_J19705	Phatr_J19705
AA4	522	Phatr3_J20192.p1	507	3.60E-16	22	192	49	217	0.325670498	Phaeodactylum_tricornutum	Diatom	AA4_Phatr3_J20192.p1	Diatom	Phatr	Phatr_J20192	Phatr_J20192
GT20	475	Phatr3_J20504.p1	1203	7.40E-129	5	474	243	778	0.987368421	Phaeodactylum_tricornutum	Diatom	GT20_Phatr3_J20504.p1	Diatom	Phatr	Phatr_J20504	Phatr_J20504
CE1	227	Phatr3_J21912.p1	264	0.000000083	26	140	11	119	0.502202643	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J21912.p1	Diatom	Phatr	Phatr_J21912	Phatr_J21912
GT4	160	Phatr3_J2215.p1	847	0.000000066	7	116	591	717	0.68125	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J2215.p1	Diatom	Phatr	Phatr_J2215	Phatr_J2215
GT4	160	Phatr3_J22554.p1	518	5.70E-37	5	159	251	423	0.9625	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J22554.p1	Diatom	Phatr	Phatr_J22554	Phatr_J22554
AA7	458	Phatr3_J23292.p1	572	3.30E-09	21	192	102	272	0.373362445	Phaeodactylum_tricornutum	Diatom	AA7_Phatr3_J23292.p1	Diatom	Phatr	Phatr_J23292	Phatr_J23292
CE10	341	Phatr3_J24120.p1	1069	1.30E-12	65	308	778	1011	0.712609971	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J24120.p1	Diatom	Phatr	Phatr_J24120	Phatr_J24120
GH109	126	Phatr3_J25422.p1	404	5.60E-09	2	118	24	131	0.920633921	Phaeodactylum_tricornutum	Diatom	GH109_Phatr3_J25422.p1	Diatom	Phatr	Phatr_J25422	Phatr_J25422
GH3	216	Phatr3_J26742.p1	953	1.00E-51	10	215	109	333	0.949074074	Phaeodactylum_tricornutum	Diatom	GH3_Phatr3_J26742.p1	Diatom	Phatr	Phatr_J26742	Phatr_J26742
CE10	341	Phatr3_J28215.p1	346													

GT31	192	Phatr3_J32851.p1	444	0.00000014	71	148	197	254	0.401041667	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J32851.p1	Diatom	Phatr	Phatr_J32851	Phatr_J32851
GT8	257	Phatr3_J33128.p1	318	0.000000069	104	246	132	307	0.552529183	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J33128.p1	Diatom	Phatr	Phatr_J33128	Phatr_J33128
GH109	126	Phatr3_J33631.p1	400	0.0000007	3	114	22	141	0.880952381	Phaeodactylum_tricornutum	Diatom	GH109_Phatr3_J33631.p1	Diatom	Phatr	Phatr_J33631	Phatr_J33631
GT90	250	Phatr3_J33648.p1	590	1.80E-26	57	227	378	550	0.68	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J33648.p1	Diatom	Phatr	Phatr_J33648	Phatr_J33648
CE1	227	Phatr3_J33720.p1	260	0.000000011	21	126	11	137	0.462555066	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J33720.p1	Diatom	Phatr	Phatr_J33720	Phatr_J33720
GT34	246	Phatr3_J33757.p1	324	1.60E-27	21	240	109	312	0.890243902	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_J33757.p1	Diatom	Phatr	Phatr_J33757	Phatr_J33757
GT49	337	Phatr3_J34011.p1	417	4.70E-50	49	314	103	387	0.786350148	Phaeodactylum_tricornutum	Diatom	GT49_Phatr3_J34011.p1	Diatom	Phatr	Phatr_J34011	Phatr_J34011
GT2	168	Phatr3_J34317.p1	321	1.60E-18	2	139	52	220	0.815476191	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J34317.p1	Diatom	Phatr	Phatr_J34317	Phatr_J34317
AA3	618	Phatr3_J34413.p1	595	1.50E-42	83	405	10	588	0.521035599	Phaeodactylum_tricornutum	Diatom	AA3_Phatr3_J34413.p1	Diatom	Phatr	Phatr_J34413	Phatr_J34413
CE1	227	Phatr3_J34489.p1	454	0.000000015	13	143	182	318	0.572687225	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J34489.p1	Diatom	Phatr	Phatr_J34489	Phatr_J34489
GH5	275	Phatr3_J34543.p1	447	1.80E-16	14	235	54	358	0.803636364	Phaeodactylum_tricornutum	Diatom	GH5_Phatr3_J34543.p1	Diatom	Phatr	Phatr_J34543	Phatr_J34543
CE14	124	Phatr3_J34610.p1	267	2.90E-10	2	123	11	128	0.975806452	Phaeodactylum_tricornutum	Diatom	CE14_Phatr3_J34610.p1	Diatom	Phatr	Phatr_J34610	Phatr_J34610
CE6	99	Phatr3_J34640.p1	425	0.00000069	1	98	143	254	0.97979798	Phaeodactylum_tricornutum	Diatom	CE6_Phatr3_J34640.p1	Diatom	Phatr	Phatr_J34640	Phatr_J34640
GT31	192	Phatr3_J35055.p1	542	1.60E-12	55	190	292	424	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J35055.p1	Diatom	Phatr	Phatr_J35055	Phatr_J35055
GT8	257	Phatr3_J35314.p1	352	5.90E-12	105	254	70	290	0.579766537	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J35314.p1	Diatom	Phatr	Phatr_J35314	Phatr_J35314
CE3	194	Phatr3_J35562.p1	326	0.000000064	2	187	126	309	0.953608247	Phaeodactylum_tricornutum	Diatom	CE3_Phatr3_J35562.p1	Diatom	Phatr	Phatr_J35562	Phatr_J35562
CE1	227	Phatr3_J35564.p1	292	8.40E-10	10	131	63	193	0.533039648	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J35564.p1	Diatom	Phatr	Phatr_J35564	Phatr_J35564
GH109	126	Phatr3_J35638.p1	410	0.00000002	3	122	21	154	0.944444444	Phaeodactylum_tricornutum	Diatom	GH109_Phatr3_J35638.p1	Diatom	Phatr	Phatr_J35638	Phatr_J35638
GT11	276	Phatr3_J35856.p1	376	0.000000047	121	257	213	345	0.492753623	Phaeodactylum_tricornutum	Diatom	GT11_Phatr3_J35856.p1	Diatom	Phatr	Phatr_J35856	Phatr_J35856
GH109	126	Phatr3_J3639.p1	460	4.60E-14	1	124	53	167	0.976190476	Phaeodactylum_tricornutum	Diatom	GH109_Phatr3_J3639.p1	Diatom	Phatr	Phatr_J3639	Phatr_J3639
GT92	279	Phatr3_J36628.p1	469	0.000000063	15	109	154	263	0.336917563	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J36628.p1	Diatom	Phatr	Phatr_J36628	Phatr_J36628
GT68	350	Phatr3_J36808.p1	559	4.00E-13	227	341	390	501	0.325714286	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_J36808.p1	Diatom	Phatr	Phatr_J36808	Phatr_J36808
CE1	227	Phatr3_J37595.p1	186	0.00000036	90	214	54	177	0.546255507	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J37595.p1	Diatom	Phatr	Phatr_J37595	Phatr_J37595
CE7	313	Phatr3_J37756.p1	463	0.00000012	107	201	132	227	0.300319489	Phaeodactylum_tricornutum	Diatom	CE7_Phatr3_J37756.p1	Diatom	Phatr	Phatr_J37756	Phatr_J37756
GT49	337	Phatr3_J37855.p1	527	1.30E-44	50	307	147	420	0.762611276	Phaeodactylum_tricornutum	Diatom	GT49_Phatr3_J37855.p1	Diatom	Phatr	Phatr_J37855	Phatr_J37855
GT2	168	Phatr3_J37908.p1	933	0.000000069	1	166	252	475	0.982142857	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J37908.p1	Diatom	Phatr	Phatr_J37908	Phatr_J37908
GT8	257	Phatr3_J38120.p1	509	1.30E-11	60	255	155	418	0.758754864	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J38120.p1	Diatom	Phatr	Phatr_J38120	Phatr_J38120
CE12	210	Phatr3_J38196.p1	253	1.30E-14	1	159	6	174	0.752380952	Phaeodactylum_tricornutum	Diatom	CE12_Phatr3_J38196.p1	Diatom	Phatr	Phatr_J38196	Phatr_J38196
GH16	189	Phatr3_J38794.p1	541	3.40E-18	26	176	203	509	0.793650794	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J38794.p1	Diatom	Phatr	Phatr_J38794	Phatr_J38794
GT8	257	Phatr3_J38849.p1	469	2.10E-11	41	254	102	397	0.828793774	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J38849.p1	Diatom	Phatr	Phatr_J38849	Phatr_J38849
GH125	402	Phatr3_J39269.p1	554	6.80E-95	28	398	120	497	0.92039801	Phaeodactylum_tricornutum	Diatom	GH125_Phatr3_J39269.p1	Diatom	Phatr	Phatr_J39269	Phatr_J39269
GT31	192	Phatr3_J39281.p1	570	0.000000043	55	190	350	479	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J39281.p1	Diatom	Phatr	Phatr_J39281	Phatr_J39281
GH29	346	Phatr3_J39282.p1	520	1.50E-88	27	346	59	410	0.921965318	Phaeodactylum_tricornutum	Diatom	GH29_Phatr3_J39282.p1	Diatom	Phatr	Phatr_J39282	Phatr_J39282
GT32	90	Phatr3_J39480.p1	408	1.20E-10	5	77	152	220	0.8	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J39480.p1	Diatom	Phatr	Phatr_J39480	Phatr_J39480
GT8	257	Phatr3_J39832.p1	513	1.20E-15	44	254	157	432	0.817120623	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J39832.p1	Diatom	Phatr	Phatr_J39832	Phatr_J39832
GT31	192	Phatr3_J40022.p1	481	1.80E-12	56	191	258	383	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J40022.p1	Diatom	Phatr	Phatr_J40022	Phatr_J40022
GT31	192	Phatr3_J40023.p1	527	1.20E-13	56	191	307	432	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J40023.p1	Diatom	Phatr	Phatr_J40023	Phatr_J40023
CE4	130	Phatr3_J40052.p1	352	5.30E-12	23	126	98	201	0.792307692	Phaeodactylum_tricornutum	Diatom	CE4_Phatr3_J40052.p1	Diatom	Phatr	Phatr_J40052	Phatr_J40052
GT8	257	Phatr3_J40510.p1	430	5.20E-12	53	255	102	361	0.785992218	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J40510.p1	Diatom	Phatr	Phatr_J40510	Phatr_J40510
CBM9	182	Phatr3_J40647.p1	366	3.20E-21	1	164	29	231	0.895604396	Phaeodactylum_tricornutum	Diatom	CBM9_Phatr3_J40647.p1	Diatom	Phatr	Phatr_J40647	Phatr_J40647
GT47	296	Phatr3_J40749.p1	424	4.00E-19	4	261	26	306	0.868243243	Phaeodactylum_tricornutum	Diatom	GT47_Phatr3_J40749.p1	Diatom	Phatr	Phatr_J40749	Phatr_J40749
GT31	192	Phatr3_J40785.p1	585	0.000000016	52	187	278	428	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J40785.p1	Diatom	Phatr	Phatr_J40785	Phatr_J40785
CE3	194	Phatr3_J40919.p1	422	3.50E-10	49	184	262	405	0.695876289	Phaeodactylum_tricornutum	Diatom	CE3_Phatr3_J40919.p1	Diatom	Phatr	Phatr_J40919	Phatr_J40919
GT77	216	Phatr3_J41383.p1	594	1.20E-29	2	211	300	517	0.967592593	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J41383.p1	Diatom	Phatr	Phatr_J41383	Phatr_J41383
GT11	276	Phatr3_J41478.p1	339	9.60E-11	136	257	185	307	0.438405797	Phaeodactylum_tricornutum	Diatom	GT11_Phatr3_J41478.p1	Diatom	Phatr	Phatr_J41478	Phatr_J41478
GT32	90	Phatr3_J42547.p1	788	6.50E-17	6	88	493	569	0.911111111	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J42547.p1	Diatom	Phatr	Phatr_J42547	Phatr_J42547
GH81	622	Phatr3_J42567.p1	1208	8.50E-80	331	622	630	965	0.467845659	Phaeodactylum_tricornutum	Diatom	GH81_Phatr3_J42567.p1	Diatom	Phatr	Phatr_J42567	Phatr_J42567
GT32	90	Phatr3_J42600.p1	316	0.000000016	8	81	107	173	0.811111111	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J42600.p1	Diatom	Phatr	Phatr_J42600	Phatr_J42600
GT32	90	Phatr3_J42721.p1	773	2.20E-17	6	84	472	544	0.866666667	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J42721.p1	Diatom	Phatr	Phatr_J42721	Phatr_J42721
CE1	227	Phatr3_J42917.p1	446	7.00E-11	22	143	153	361	0.533039648	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J42917.p1	Diatom	Phatr	Phatr_J42917	Phatr_J42917
CE10	341	Phatr3_J43118.p1	750	1.60E-37	74	334	446	741	0.762463343	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J43118.p1	Diatom	Phatr	Phatr_J43118	Phatr_J43118
GT14	250	Phatr3_J43283.p1	517	0.000000036	87	238	235	418	0.604	Phaeodactylum_tricornutum	Diatom	GT14_Phatr3_J43283.p1	Diatom	Phatr	Phatr_J43283	Phatr_J43283
AA3	618	Phatr3_J43604.p1	548	7.00E-78	85	401	16	525	0.511326861	Phaeodactylum_tricornutum	Diatom	AA3_Phatr3_J43604.p1	Diatom	Phatr	Phatr_J43604	Phatr_J43604
GT14	250	Phatr3_J43615.p1	811	7.30E-36	3	236	169	416	0.932	Phaeodactylum_tricornutum	Diatom	GT14_Phatr3_J43615.p1	Diatom	Phatr	Phatr_J43615	Phatr_J43615
GT32	90	Phatr3_J43796.p1	371	9.00E-13	18	81	138	202	0.7	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J43796.p1	Diatom	Phatr	Phatr_J43796	Phatr_J43796
GH32	293	Phatr3_J43831.p1	450	1.50E-09	22	152	280	424	0.443686007	Phaeodactylum_tricornutum	Diatom	GH32_Phatr3_J43831.p1	Diatom	Phatr	Phatr_J43831	Phatr_J43831
GT31	192	Phatr3_J43962.p1	265	0.00000026	68	163	35	113	0.494791667	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J43962.p1	Diatom	Phatr	Phatr_J43962	Phatr_J43962
GT90	250	Phatr3_J44001.p1	449	1.90E-26	42	226	222	416	0.736	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J44001.p1	Diatom	Phatr	Phatr_J44001	Phatr_J44001
GT41	705	Phatr3_J44040.p1	812	1.80E-94	164	525	53	771	0.512056738	Phaeodactylum_tricornutum	Diatom	GT41_Phatr3_J44040.p1	Diatom	Phatr	Phatr_J44040	Phatr_J44040
CE3	194	Phatr3_J44063.p1	348	4.70E-10	55	184	188	328	0.664948454	Phaeodactylum_tricornutum	Diatom	CE3_Phatr3_J44063.p1	Diatom	Phatr	Phatr_J44063	Phatr_J44063
GT57	481	Phatr3_J44117.p1	532	4.10E-136	2	479	29	513	0.991683992	Phaeodactylum_tricornutum	Diatom	GT57_Phatr3_J44117.p1	Diatom	Phatr	Phatr_J44117	Phatr_J44117
CE10	341	Phatr3_J44208.p1	980	9.30E-42	70	193	139	282	0.360703812	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J44208.p1	Diatom	Phatr	Phatr_J44208	Phatr_J44208
GT92	279	Phatr3_J44250.p1	871	1.30E-17	14	196	555	753	0.652329749	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J44250.p1	Diatom	Phatr	Phatr_J44250	Phatr_J44250
GT34	246	Phatr3_J44338.p1	350	1.60E-15	24	98	140	211	0.300813008	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_J44338.p1	Diatom	Phatr	Phatr_J44338	Phatr_J44338
GT34	246	Phatr3_J44338.p1	350	4.90E-14	131	240	217	338	0.443089431	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_J44338.p1	Diatom	Phatr	Phatr_J44338	Phatr_J44338
GT34	246	Phatr3_J44339.p1	486	1.60E-15	22	98	273	346	0.308943089	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_J44339.p1	Diatom	Phatr	Phatr_J44339	Phatr_J44339
GT34	246	Phatr3_J44339.p1	486	3.90E-15	133	243	354	477	0.447154472	Phaeodactylum_tricornutum	Diatom	GT34_Phatr3_J44339.p1	Diatom	Phatr	Phatr_J44339	Phatr_J44339
GH10	303	Phatr3_J44391.p1	486	7.30E-79	22	303	101	407	0.927392739	Phaeodactylum_tricornutum	Diatom	GH10_Phatr3_J44391.p1	Diatom	Phatr	Phatr_J44391	Phatr_J44391
GT22																

GT22	389	Phatr3_J44574.p1	556	2.30E-68	6	389	16	441	0.984575836	Phaeodactylum_tricornutum	Diatom	GT22_Phatr3_J44574.p1	Diatom	Phatr	Phatr_J44574	Phatr_J44574
GT96	307	Phatr3_J44709.p1	531	9.50E-17	2	174	117	346	0.560260586	Phaeodactylum_tricornutum	Diatom	GT96_Phatr3_J44709.p1	Diatom	Phatr	Phatr_J44709	Phatr_J44709
GT2	168	Phatr3_J44759.p1	872	0.0000016	1	117	269	428	0.690476191	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J44759.p1	Diatom	Phatr	Phatr_J44759	Phatr_J44759
GT22	389	Phatr3_J44790.p1	580	1.80E-66	1	389	8	435	0.997429306	Phaeodactylum_tricornutum	Diatom	GT22_Phatr3_J44790.p1	Diatom	Phatr	Phatr_J44790	Phatr_J44790
GH72	312	Phatr3_J44873.p1	537	5.30E-73	5	283	30	332	0.891025641	Phaeodactylum_tricornutum	Diatom	GH72_Phatr3_J44873.p1	Diatom	Phatr	Phatr_J44873	Phatr_J44873
GH18	296	Phatr3_J44884.p1	344	1.00E-39	5	283	35	316	0.939189189	Phaeodactylum_tricornutum	Diatom	GH18_Phatr3_J44884.p1	Diatom	Phatr	Phatr_J44884	Phatr_J44884
GT60	330	Phatr3_J44887.p1	563	5.70E-72	1	328	189	507	0.990909091	Phaeodactylum_tricornutum	Diatom	GT60_Phatr3_J44887.p1	Diatom	Phatr	Phatr_J44887	Phatr_J44887
GT57	481	Phatr3_J44905.p1	545	2.00E-86	2	477	39	534	0.987525988	Phaeodactylum_tricornutum	Diatom	GT57_Phatr3_J44905.p1	Diatom	Phatr	Phatr_J44905	Phatr_J44905
GT32	90	Phatr3_J45039.p1	380	6.20E-12	7	78	140	207	0.788888889	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J45039.p1	Diatom	Phatr	Phatr_J45039	Phatr_J45039
GT2	168	Phatr3_J45051.p1	844	5.10E-11	2	124	437	581	0.726190476	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J45051.p1	Diatom	Phatr	Phatr_J45051	Phatr_J45051
GH20	337	Phatr3_J45073.p1	1085	4.80E-41	14	293	249	541	0.827893175	Phaeodactylum_tricornutum	Diatom	GH20_Phatr3_J45073.p1	Diatom	Phatr	Phatr_J45073	Phatr_J45073
GH20	337	Phatr3_J45073.p1	1085	3.50E-17	11	211	670	862	0.59347181	Phaeodactylum_tricornutum	Diatom	GH20_Phatr3_J45073.p1	Diatom	Phatr	Phatr_J45073	Phatr_J45073
GT75	343	Phatr3_J45163.p1	818	0.000000001	69	277	185	410	0.606413994	Phaeodactylum_tricornutum	Diatom	GT75_Phatr3_J45163.p1	Diatom	Phatr	Phatr_J45163	Phatr_J45163
CBM32	124	Phatr3_J45250.p1	834	0.0000089	14	109	202	304	0.766129032	Phaeodactylum_tricornutum	Diatom	CBM32_Phatr3_J45250.p1	Diatom	Phatr	Phatr_J45250	Phatr_J45250
GT23	318	Phatr3_J45394.p1	466	6.90E-10	145	279	194	345	0.421383648	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_J45394.p1	Diatom	Phatr	Phatr_J45394	Phatr_J45394
GT64	248	Phatr3_J45414.p1	385	2.20E-15	3	181	117	299	0.717741936	Phaeodactylum_tricornutum	Diatom	GT64_Phatr3_J45414.p1	Diatom	Phatr	Phatr_J45414	Phatr_J45414
GH5	275	Phatr3_J45418.p1	627	1.90E-22	28	273	144	492	0.890909091	Phaeodactylum_tricornutum	Diatom	GH5_Phatr3_J45418.p1	Diatom	Phatr	Phatr_J45418	Phatr_J45418
GT61	242	Phatr3_J45496.p1	457	1.80E-09	70	231	171	338	0.665289256	Phaeodactylum_tricornutum	Diatom	GT61_Phatr3_J45496.p1	Diatom	Phatr	Phatr_J45496	Phatr_J45496
GT2	168	Phatr3_J45712.p1	480	8.10E-12	1	105	10	151	0.619047619	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J45712.p1	Diatom	Phatr	Phatr_J45712	Phatr_J45712
GT92	279	Phatr3_J45739.p1	832	2.90E-14	3	209	532	757	0.738351255	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J45739.p1	Diatom	Phatr	Phatr_J45739	Phatr_J45739
CE10	341	Phatr3_J45964.p1	448	1.20E-18	74	332	166	428	0.756598241	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J45964.p1	Diatom	Phatr	Phatr_J45964	Phatr_J45964
GT2	168	Phatr3_J45980.p1	348	8.10E-24	1	132	68	231	0.779761905	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J45980.p1	Diatom	Phatr	Phatr_J45980	Phatr_J45980
GT11	276	Phatr3_J46000.p1	376	0.000000047	121	257	213	345	0.492753623	Phaeodactylum_tricornutum	Diatom	GT11_Phatr3_J46000.p1	Diatom	Phatr	Phatr_J46000	Phatr_J46000
CBM18	38	Phatr3_J46067.p1	502	0.000000017	2	33	312	345	0.815789474	Phaeodactylum_tricornutum	Diatom	CBM18_Phatr3_J46067.p1	Diatom	Phatr	Phatr_J46067	Phatr_J46067
GT10	347	Phatr3_J46109.p1	798	8.40E-31	132	330	367	572	0.570605187	Phaeodactylum_tricornutum	Diatom	GT10_Phatr3_J46109.p1	Diatom	Phatr	Phatr_J46109	Phatr_J46109
GT10	347	Phatr3_J46110.p1	633	4.40E-52	103	333	183	409	0.662824208	Phaeodactylum_tricornutum	Diatom	GT10_Phatr3_J46110.p1	Diatom	Phatr	Phatr_J46110	Phatr_J46110
GT23	318	Phatr3_J46117.p1	420	1.70E-12	158	286	262	400	0.402515723	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_J46117.p1	Diatom	Phatr	Phatr_J46117	Phatr_J46117
GT7	250	Phatr3_J46140.p1	361	1.00E-56	30	240	101	330	0.84	Phaeodactylum_tricornutum	Diatom	GT7_Phatr3_J46140.p1	Diatom	Phatr	Phatr_J46140	Phatr_J46140
GT32	90	Phatr3_J46335.p1	490	3.10E-09	6	87	200	282	0.9	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J46335.p1	Diatom	Phatr	Phatr_J46335	Phatr_J46335
GT90	250	Phatr3_J46351.p1	528	7.50E-27	51	227	316	496	0.704	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J46351.p1	Diatom	Phatr	Phatr_J46351	Phatr_J46351
CE6	99	Phatr3_J46375.p1	403	0.000000042	24	98	199	280	0.747474748	Phaeodactylum_tricornutum	Diatom	CE6_Phatr3_J46375.p1	Diatom	Phatr	Phatr_J46375	Phatr_J46375
CBM22	131	Phatr3_J46378.p1	509	0.000033	2	77	335	413	0.572519084	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J46378.p1	Diatom	Phatr	Phatr_J46378	Phatr_J46378
GT64	248	Phatr3_J46446.p1	652	1.50E-10	1	163	295	500	0.653225807	Phaeodactylum_tricornutum	Diatom	GT64_Phatr3_J46446.p1	Diatom	Phatr	Phatr_J46446	Phatr_J46446
GH28	325	Phatr3_J46492.p1	563	6.50E-52	9	306	56	415	0.913846154	Phaeodactylum_tricornutum	Diatom	GH28_Phatr3_J46492.p1	Diatom	Phatr	Phatr_J46492	Phatr_J46492
AA3	618	Phatr3_J46493.p1	812	5.50E-64	88	406	144	806	0.514563107	Phaeodactylum_tricornutum	Diatom	AA3_Phatr3_J46493.p1	Diatom	Phatr	Phatr_J46493	Phatr_J46493
GH16	189	Phatr3_J46513.p1	460	0.00000016	5	159	181	372	0.814814815	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J46513.p1	Diatom	Phatr	Phatr_J46513	Phatr_J46513
CBM22	131	Phatr3_J46559.p1	1009	0.000000043	1	109	831	942	0.824427481	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J46559.p1	Diatom	Phatr	Phatr_J46559	Phatr_J46559
CBM22	131	Phatr3_J46560.p1	1245	0.000000051	1	92	825	937	0.694656489	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J46560.p1	Diatom	Phatr	Phatr_J46560	Phatr_J46560
CBM22	131	Phatr3_J46563.p1	1245	0.000000054	1	120	825	968	0.908396947	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J46563.p1	Diatom	Phatr	Phatr_J46563	Phatr_J46563
AA2	255	Phatr3_J46616.p1	327	3.40E-34	8	250	51	317	0.949019608	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J46616.p1	Diatom	Phatr	Phatr_J46616	Phatr_J46616
GT92	279	Phatr3_J46621.p1	472	0.000000025	15	109	155	264	0.336917563	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J46621.p1	Diatom	Phatr	Phatr_J46621	Phatr_J46621
GT8	257	Phatr3_J46661.p1	504	5.20E-16	37	254	124	409	0.844357977	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J46661.p1	Diatom	Phatr	Phatr_J46661	Phatr_J46661
GH28	325	Phatr3_J46668.p1	451	2.00E-81	58	323	98	405	0.815384615	Phaeodactylum_tricornutum	Diatom	GH28_Phatr3_J46668.p1	Diatom	Phatr	Phatr_J46668	Phatr_J46668
GH109	126	Phatr3_J46694.p1	427	0.000035	73	117	112	156	0.349206349	Phaeodactylum_tricornutum	Diatom	GH109_Phatr3_J46694.p1	Diatom	Phatr	Phatr_J46694	Phatr_J46694
GT68	350	Phatr3_J46746.p1	578	5.60E-12	226	339	398	507	0.322857143	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_J46746.p1	Diatom	Phatr	Phatr_J46746	Phatr_J46746
GT14	250	Phatr3_J46768.p1	474	3.50E-26	1	219	64	303	0.872	Phaeodactylum_tricornutum	Diatom	GT14_Phatr3_J46768.p1	Diatom	Phatr	Phatr_J46768	Phatr_J46768
GT68	350	Phatr3_J46877.p1	585	2.30E-14	20	339	144	511	0.911428571	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_J46877.p1	Diatom	Phatr	Phatr_J46877	Phatr_J46877
GT68	350	Phatr3_J46922.p1	632	5.50E-12	35	339	211	566	0.868571429	Phaeodactylum_tricornutum	Diatom	GT68_Phatr3_J46922.p1	Diatom	Phatr	Phatr_J46922	Phatr_J46922
GT60	330	Phatr3_J47032.p1	552	3.30E-69	1	329	180	500	0.993939394	Phaeodactylum_tricornutum	Diatom	GT60_Phatr3_J47032.p1	Diatom	Phatr	Phatr_J47032	Phatr_J47032
GT32	90	Phatr3_J47110.p1	907	5.60E-17	7	87	613	687	0.888888889	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J47110.p1	Diatom	Phatr	Phatr_J47110	Phatr_J47110
GT32	90	Phatr3_J47112.p1	461	0.000019	16	73	218	271	0.633333333	Phaeodactylum_tricornutum	Diatom	GT32_Phatr3_J47112.p1	Diatom	Phatr	Phatr_J47112	Phatr_J47112
GT92	279	Phatr3_J47114.p1	913	0.000000025	4	145	622	766	0.505376344	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J47114.p1	Diatom	Phatr	Phatr_J47114	Phatr_J47114
GT60	330	Phatr3_J47164.p1	589	1.30E-78	1	329	220	553	0.993939394	Phaeodactylum_tricornutum	Diatom	GT60_Phatr3_J47164.p1	Diatom	Phatr	Phatr_J47164	Phatr_J47164
GT2	168	Phatr3_J47245.p1	480	5.00E-12	1	105	10	151	0.619047619	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_J47245.p1	Diatom	Phatr	Phatr_J47245	Phatr_J47245
GT96	307	Phatr3_J47254.p1	509	4.60E-19	2	225	108	360	0.726384365	Phaeodactylum_tricornutum	Diatom	GT96_Phatr3_J47254.p1	Diatom	Phatr	Phatr_J47254	Phatr_J47254
CBM5	40	Phatr3_J47277.p1	593	0.00054	3	26	339	362	0.575	Phaeodactylum_tricornutum	Diatom	CBM5_Phatr3_J47277.p1	Diatom	Phatr	Phatr_J47277	Phatr_J47277
GT64	248	Phatr3_J47316.p1	414	7.70E-54	1	233	113	369	0.935483871	Phaeodactylum_tricornutum	Diatom	GT64_Phatr3_J47316.p1	Diatom	Phatr	Phatr_J47316	Phatr_J47316
GT90	250	Phatr3_J47324.p1	549	5.80E-25	59	228	338	508	0.676	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J47324.p1	Diatom	Phatr	Phatr_J47324	Phatr_J47324
GT77	216	Phatr3_J47337.p1	215	2.80E-09	63	160	11	104	0.449074074	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J47337.p1	Diatom	Phatr	Phatr_J47337	Phatr_J47337
GT23	318	Phatr3_J47349.p1	437	1.90E-09	142	284	266	415	0.446540881	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_J47349.p1	Diatom	Phatr	Phatr_J47349	Phatr_J47349
AA2	255	Phatr3_J47395.p1	331	9.00E-46	15	254	51	325	0.937254902	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J47395.p1	Diatom	Phatr	Phatr_J47395	Phatr_J47395
GT47	296	Phatr3_J47505.p1	519	1.00E-12	36	254	104	377	0.736486487	Phaeodactylum_tricornutum	Diatom	GT47_Phatr3_J47505.p1	Diatom	Phatr	Phatr_J47505	Phatr_J47505
GT49	337	Phatr3_J47517.p1	413	1.00E-49	37	310	80	369	0.810089021	Phaeodactylum_tricornutum	Diatom	GT49_Phatr3_J47517.p1	Diatom	Phatr	Phatr_J47517	Phatr_J47517
CE10	341	Phatr3_J47524.p1	460	2.00E-23	93	309	168	435	0.633431085	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_J47524.p1	Diatom	Phatr	Phatr_J47524	Phatr_J47524
AA12	401	Phatr3_J47795.p1	479	3.70E-66	11	395	14	399	0.957605985	Phaeodactylum_tricornutum	Diatom	AA12_Phatr3_J47795.p1	Diatom	Phatr	Phatr_J47795	Phatr_J47795
GT47	296	Phatr3_J47923.p1	573	4.90E-29	6	282	97	454	0.932432432	Phaeodactylum_tricornutum	Diatom	GT47_Phatr3_J47923.p1	Diatom	Phatr	Phatr_J47923	Phatr_J47923
GT8	257	Phatr3_J47926.p1	506	5.80E-14	43	254	117	401	0.821011673	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J47926.p1	Diatom	Phatr	Phatr_J47926	Phatr_J47926
GH99	334	Phatr3_J47966.p1	391	1.30E-43	1	327	29	378	0.976047904	Phaeodactylum_tricornutum	Diatom	GH99_Phatr3_J47966.p1	Diatom	Phatr	Phatr_J47966	Phatr_J4796

CBM57	147	Phatr3_J48253.p1	1488	4.80E-30	2	147	1046	1193	0.986394558	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_J48253.p1	Diatom	Phatr	Phatr_J48253	Phatr_J48253
CBM57	147	Phatr3_J48253.p1	1488	6.10E-30	4	147	790	936	0.972789116	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_J48253.p1	Diatom	Phatr	Phatr_J48253	Phatr_J48253
AA2	255	Phatr3_J48278.p1	428	9.90E-16	20	152	105	245	0.517647059	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J48278.p1	Diatom	Phatr	Phatr_J48278	Phatr_J48278
GT92	279	Phatr3_J48279.p1	839	2.10E-14	18	192	508	710	0.623655914	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J48279.p1	Diatom	Phatr	Phatr_J48279	Phatr_J48279
AA5	1281	Phatr3_J48282.p1	2089	1.10E-145	550	1106	452	1302	0.434035909	Phaeodactylum_tricornutum	Diatom	AA5_Phatr3_J48282.p1	Diatom	Phatr	Phatr_J48282	Phatr_J48282
CBM13	188	Phatr3_J48282.p1	2089	2.20E-20	7	134	372	504	0.675531915	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_J48282.p1	Diatom	Phatr	Phatr_J48282	Phatr_J48282
CBM13	188	Phatr3_J48282.p1	2089	1.20E-12	49	133	36	126	0.446808511	Phaeodactylum_tricornutum	Diatom	CBM13_Phatr3_J48282.p1	Diatom	Phatr	Phatr_J48282	Phatr_J48282
CBM57	147	Phatr3_J48282.p1	2089	8.70E-17	32	145	1437	1554	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_J48282.p1	Diatom	Phatr	Phatr_J48282	Phatr_J48282
CBM57	147	Phatr3_J48282.p1	2089	3.70E-16	32	145	217	332	0.768707483	Phaeodactylum_tricornutum	Diatom	CBM57_Phatr3_J48282.p1	Diatom	Phatr	Phatr_J48282	Phatr_J48282
AA2	255	Phatr3_J48286.p1	428	9.90E-16	20	152	105	245	0.517647059	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J48286.p1	Diatom	Phatr	Phatr_J48286	Phatr_J48286
GT92	279	Phatr3_J48287.p1	839	2.10E-14	18	192	508	710	0.623655914	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J48287.p1	Diatom	Phatr	Phatr_J48287	Phatr_J48287
GH16	189	Phatr3_J48300.p1	701	1.30E-17	4	189	54	473	0.978835979	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J48300.p1	Diatom	Phatr	Phatr_J48300	Phatr_J48300
CE1	227	Phatr3_J48328.p1	447	4.60E-35	8	220	183	441	0.933920705	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J48328.p1	Diatom	Phatr	Phatr_J48328	Phatr_J48328
GH125	402	Phatr3_J48341.p1	566	6.20E-119	6	402	119	533	0.985074627	Phaeodactylum_tricornutum	Diatom	GH125_Phatr3_J48341.p1	Diatom	Phatr	Phatr_J48341	Phatr_J48341
GT77	216	Phatr3_J48343.p1	528	6.90E-27	2	212	287	495	0.972222222	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J48343.p1	Diatom	Phatr	Phatr_J48343	Phatr_J48343
GT11	276	Phatr3_J48352.p1	336	0.0000018	143	256	195	305	0.40942029	Phaeodactylum_tricornutum	Diatom	GT11_Phatr3_J48352.p1	Diatom	Phatr	Phatr_J48352	Phatr_J48352
GT8	257	Phatr3_J48402.p1	411	0.00000005	104	253	126	338	0.579766537	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J48402.p1	Diatom	Phatr	Phatr_J48402	Phatr_J48402
GH26	303	Phatr3_J48536.p1	486	1.80E-16	129	282	164	352	0.504950495	Phaeodactylum_tricornutum	Diatom	GH26_Phatr3_J48536.p1	Diatom	Phatr	Phatr_J48536	Phatr_J48536
CBM22	131	Phatr3_J48753.p1	1269	0.000000067	2	79	1094	1174	0.58778626	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J48753.p1	Diatom	Phatr	Phatr_J48753	Phatr_J48753
CBM22	131	Phatr3_J48753.p1	1269	0.000000021	1	120	824	967	0.908396947	Phaeodactylum_tricornutum	Diatom	CBM22_Phatr3_J48753.p1	Diatom	Phatr	Phatr_J48753	Phatr_J48753
GT90	250	Phatr3_J48833.p1	562	7.40E-28	57	231	347	523	0.696	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J48833.p1	Diatom	Phatr	Phatr_J48833	Phatr_J48833
GT90	250	Phatr3_J48834.p1	597	7.30E-27	57	231	382	558	0.696	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J48834.p1	Diatom	Phatr	Phatr_J48834	Phatr_J48834
GH29	346	Phatr3_J48865.p1	500	9.10E-91	14	346	24	383	0.959537572	Phaeodactylum_tricornutum	Diatom	GH29_Phatr3_J48865.p1	Diatom	Phatr	Phatr_J48865	Phatr_J48865
GT14	250	Phatr3_J48881.p1	592	9.90E-15	2	141	259	398	0.556	Phaeodactylum_tricornutum	Diatom	GT14_Phatr3_J48881.p1	Diatom	Phatr	Phatr_J48881	Phatr_J48881
GT8	257	Phatr3_J48916.p1	944	1.50E-30	48	254	685	915	0.80155642	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J48916.p1	Diatom	Phatr	Phatr_J48916	Phatr_J48916
GT90	250	Phatr3_J49107.p1	553	1.90E-21	59	232	350	527	0.692	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J49107.p1	Diatom	Phatr	Phatr_J49107	Phatr_J49107
GT92	279	Phatr3_J49130.p1	472	2.60E-15	14	196	135	349	0.652329749	Phaeodactylum_tricornutum	Diatom	GT92_Phatr3_J49130.p1	Diatom	Phatr	Phatr_J49130	Phatr_J49130
GT77	216	Phatr3_J49150.p1	650	2.10E-32	2	214	349	569	0.981481482	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J49150.p1	Diatom	Phatr	Phatr_J49150	Phatr_J49150
GT31	192	Phatr3_J49194.p1	410	1.70E-10	48	178	202	340	0.677083333	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49194.p1	Diatom	Phatr	Phatr_J49194	Phatr_J49194
GT31	192	Phatr3_J49337.p1	548	2.20E-12	56	191	329	454	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49337.p1	Diatom	Phatr	Phatr_J49337	Phatr_J49337
GH20	337	Phatr3_J49563.p1	973	4.00E-68	8	336	611	912	0.973293769	Phaeodactylum_tricornutum	Diatom	GH20_Phatr3_J49563.p1	Diatom	Phatr	Phatr_J49563	Phatr_J49563
GT8	257	Phatr3_J49576.p1	528	6.50E-11	90	203	236	333	0.439688716	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J49576.p1	Diatom	Phatr	Phatr_J49576	Phatr_J49576
GH5	275	Phatr3_J49610.p1	620	3.90E-25	30	273	145	466	0.883636364	Phaeodactylum_tricornutum	Diatom	GH5_Phatr3_J49610.p1	Diatom	Phatr	Phatr_J49610	Phatr_J49610
GT15	273	Phatr3_J49631.p1	1314	2.50E-24	99	272	1063	1227	0.633699634	Phaeodactylum_tricornutum	Diatom	GT15_Phatr3_J49631.p1	Diatom	Phatr	Phatr_J49631	Phatr_J49631
GT23	318	Phatr3_J49631.p1	1314	2.10E-14	54	274	239	455	0.691823899	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_J49631.p1	Diatom	Phatr	Phatr_J49631	Phatr_J49631
GT23	318	Phatr3_J49631.p1	1314	3.40E-09	134	271	731	868	0.43081761	Phaeodactylum_tricornutum	Diatom	GT23_Phatr3_J49631.p1	Diatom	Phatr	Phatr_J49631	Phatr_J49631
GT25	181	Phatr3_J49669.p1	364	5.80E-22	2	179	52	311	0.977900553	Phaeodactylum_tricornutum	Diatom	GT25_Phatr3_J49669.p1	Diatom	Phatr	Phatr_J49669	Phatr_J49669
GT96	307	Phatr3_J49889.p1	492	1.10E-16	1	225	118	378	0.729641694	Phaeodactylum_tricornutum	Diatom	GT96_Phatr3_J49889.p1	Diatom	Phatr	Phatr_J49889	Phatr_J49889
GT31	192	Phatr3_J49948.p1	525	4.10E-09	52	187	286	436	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49948.p1	Diatom	Phatr	Phatr_J49948	Phatr_J49948
GT31	192	Phatr3_J49954.p1	496	0.000000012	52	187	266	414	0.703125	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49954.p1	Diatom	Phatr	Phatr_J49954	Phatr_J49954
GT31	192	Phatr3_J49965.p1	722	7.40E-09	55	189	491	618	0.697916667	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49965.p1	Diatom	Phatr	Phatr_J49965	Phatr_J49965
GT31	192	Phatr3_J49980.p1	417	5.40E-11	55	189	201	341	0.697916667	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J49980.p1	Diatom	Phatr	Phatr_J49980	Phatr_J49980
GT90	250	Phatr3_J50016.p1	528	9.20E-24	57	228	313	490	0.684	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J50016.p1	Diatom	Phatr	Phatr_J50016	Phatr_J50016
CBM14	54	Phatr3_J50155.p1	525	3.90E-09	13	54	478	520	0.759259259	Phaeodactylum_tricornutum	Diatom	CBM14_Phatr3_J50155.p1	Diatom	Phatr	Phatr_J50155	Phatr_J50155
CBM18	38	Phatr3_J50155.p1	525	0.000000014	6	35	33	63	0.763157895	Phaeodactylum_tricornutum	Diatom	CBM18_Phatr3_J50155.p1	Diatom	Phatr	Phatr_J50155	Phatr_J50155
GH18	296	Phatr3_J50155.p1	525	2.20E-20	4	205	96	346	0.679054054	Phaeodactylum_tricornutum	Diatom	GH18_Phatr3_J50155.p1	Diatom	Phatr	Phatr_J50155	Phatr_J50155
GH16	189	Phatr3_J50177.p1	766	4.70E-22	4	189	206	594	0.978835979	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J50177.p1	Diatom	Phatr	Phatr_J50177	Phatr_J50177
GH16	189	Phatr3_J50238.p1	627	1.30E-26	4	189	60	434	0.978835979	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J50238.p1	Diatom	Phatr	Phatr_J50238	Phatr_J50238
GT27	295	Phatr3_J50257.p1	900	2.80E-11	132	295	273	440	0.552542373	Phaeodactylum_tricornutum	Diatom	GT27_Phatr3_J50257.p1	Diatom	Phatr	Phatr_J50257	Phatr_J50257
GT31	192	Phatr3_J50257.p1	900	0.00000012	55	187	681	816	0.6875	Phaeodactylum_tricornutum	Diatom	GT31_Phatr3_J50257.p1	Diatom	Phatr	Phatr_J50257	Phatr_J50257
GT90	250	Phatr3_J50325.p1	306	2.00E-27	41	228	86	276	0.748	Phaeodactylum_tricornutum	Diatom	GT90_Phatr3_J50325.p1	Diatom	Phatr	Phatr_J50325	Phatr_J50325
GT4	160	Phatr3_J50356.p1	595	3.90E-33	6	150	359	495	0.9	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J50356.p1	Diatom	Phatr	Phatr_J50356	Phatr_J50356
GH36	688	Phatr3_J50372.p1	1138	2.40E-46	287	529	514	748	0.351744186	Phaeodactylum_tricornutum	Diatom	GH36_Phatr3_J50372.p1	Diatom	Phatr	Phatr_J50372	Phatr_J50372
GT77	216	Phatr3_J50412.p1	687	2.90E-29	2	213	396	607	0.976851852	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J50412.p1	Diatom	Phatr	Phatr_J50412	Phatr_J50412
GT77	216	Phatr3_J50413.p1	598	1.80E-33	2	209	315	525	0.958333333	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J50413.p1	Diatom	Phatr	Phatr_J50413	Phatr_J50413
GT77	216	Phatr3_J50416.p1	554	8.60E-27	2	141	356	489	0.643518519	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J50416.p1	Diatom	Phatr	Phatr_J50416	Phatr_J50416
GT77	216	Phatr3_J50417.p1	596	2.70E-33	2	209	313	523	0.958333333	Phaeodactylum_tricornutum	Diatom	GT77_Phatr3_J50417.p1	Diatom	Phatr	Phatr_J50417	Phatr_J50417
GT8	257	Phatr3_J50429.p1	958	6.80E-23	47	256	695	925	0.813229572	Phaeodactylum_tricornutum	Diatom	GT8_Phatr3_J50429.p1	Diatom	Phatr	Phatr_J50429	Phatr_J50429
CE7	313	Phatr3_J50641.p1	463	0.00000012	107	201	132	227	0.300319489	Phaeodactylum_tricornutum	Diatom	CE7_Phatr3_J50641.p1	Diatom	Phatr	Phatr_J50641	Phatr_J50641
GH38	269	Phatr3_J52108.p1	1125	4.20E-64	2	269	89	446	0.992565056	Phaeodactylum_tricornutum	Diatom	GH38_Phatr3_J52108.p1	Diatom	Phatr	Phatr_J52108	Phatr_J52108
GH38	269	Phatr3_J52248.p1	1453	2.50E-69	1	269	234	554	0.996282528	Phaeodactylum_tricornutum	Diatom	GH38_Phatr3_J52248.p1	Diatom	Phatr	Phatr_J52248	Phatr_J52248
GT16	350	Phatr3_J52248.p1	1453	6.50E-42	13	350	1121	1447	0.962857143	Phaeodactylum_tricornutum	Diatom	GT16_Phatr3_J52248.p1	Diatom	Phatr	Phatr_J52248	Phatr_J52248
CE1	227	Phatr3_J52268.p1	283	0.00000012	14	143	15	187	0.568281938	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J52268.p1	Diatom	Phatr	Phatr_J52268	Phatr_J52268
GH47	446	Phatr3_J52346.p1	1343	9.80E-103	1	445	211	746	0.995515695	Phaeodactylum_tricornutum	Diatom	GH47_Phatr3_J52346.p1	Diatom	Phatr	Phatr_J52346	Phatr_J52346
GT4	160	Phatr3_J54068.p1	450	2.10E-29	12	148	201	335	0.85	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J54068.p1	Diatom	Phatr	Phatr_J54068	Phatr_J54068
GT28	157	Phatr3_J54168.p1	559	8.60E-22	1	156	332	537	0.987261147	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_J54168.p1	Diatom	Phatr	Phatr_J54168	Phatr_J54168
GH3	216	Phatr3_J545.p1	874	1.80E-65	5	216	78	294	0.976851852	Phaeodactylum_tricornutum	Diatom	GH3_Phatr3_J545.p1	Diatom	Phatr	Phatr_J545	Phatr_J545
GH30	417	Phatr3_J54536.p1	859	1.60E-72	24	324	169	532	0.71942446	Phaeodactylum_tricornutum	Diatom	GH30_Phatr3_J54536.p1	Diatom	Phatr	Phatr_J5453	

GT4	160	Phatr3_J54621.p1	420	6.30E-31	3	157	222	388	0.9625	Phaeodactylum_tricornutum	Diatom	GT4_Phatr3_J54621.p1	Diatom	Phatr	Phatr_J54621	Phatr_J54621
AA2	255	Phatr3_J54731.p1	302	2.30E-44	19	254	22	292	0.921568628	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_J54731.p1	Diatom	Phatr	Phatr_J54731	Phatr_J54731
GT24	248	Phatr3_J54787.p1	1653	1.70E-121	1	248	1371	1618	0.995967742	Phaeodactylum_tricornutum	Diatom	GT24_Phatr3_J54787.p1	Diatom	Phatr	Phatr_J54787	Phatr_J54787
GT13	395	Phatr3_J54844.p1	444	1.90E-93	60	390	82	429	0.835443038	Phaeodactylum_tricornutum	Diatom	GT13_Phatr3_J54844.p1	Diatom	Phatr	Phatr_J54844	Phatr_J54844
GH16	189	Phatr3_J54973.p1	485	1.60E-40	3	187	27	298	0.973544974	Phaeodactylum_tricornutum	Diatom	GH16_Phatr3_J54973.p1	Diatom	Phatr	Phatr_J54973	Phatr_J54973
CE1	227	Phatr3_J54974.p1	426	8.90E-09	29	143	93	223	0.502202643	Phaeodactylum_tricornutum	Diatom	CE1_Phatr3_J54974.p1	Diatom	Phatr	Phatr_J54974	Phatr_J54974
GT66	693	Phatr3_J55197.p1	1044	4.00E-106	126	554	269	784	0.617604618	Phaeodactylum_tricornutum	Diatom	GT66_Phatr3_J55197.p1	Diatom	Phatr	Phatr_J55197	Phatr_J55197
GT66	693	Phatr3_J55198.p1	978	1.10E-128	14	552	31	718	0.776334776	Phaeodactylum_tricornutum	Diatom	GT66_Phatr3_J55198.p1	Diatom	Phatr	Phatr_J55198	Phatr_J55198
GT28	157	Phatr3_J9427.p1	170	6.40E-16	7	120	10	127	0.719745223	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_J9427.p1	Diatom	Phatr	Phatr_J9427	Phatr_J9427
GT48	739	Phatr3_J9617.p1	2150	3.70E-253	3	688	1186	1837	0.926928282	Phaeodactylum_tricornutum	Diatom	GT48_Phatr3_J9617.p1	Diatom	Phatr	Phatr_J9617	Phatr_J9617
GT28	157	Phatr3_J9619.p1	618	1.00E-19	51	157	472	573	0.675159236	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_J9619.p1	Diatom	Phatr	Phatr_J9619	Phatr_J9619
GT28	157	Phatr3_J9619.p1	618	0.0000023	1	78	303	402	0.49044586	Phaeodactylum_tricornutum	Diatom	GT28_Phatr3_J9619.p1	Diatom	Phatr	Phatr_J9619	Phatr_J9619
AA2	255	Phatr3_draftJ1023.p1	321	1.80E-60	6	253	50	308	0.968627451	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_draftJ1023.p1	Diatom	Phatr	Phatr_draftJ1023	Phatr_draftJ1023
AA2	255	Phatr3_draftJ1645.p1	510	2.50E-23	22	253	108	404	0.905882353	Phaeodactylum_tricornutum	Diatom	AA2_Phatr3_draftJ1645.p1	Diatom	Phatr	Phatr_draftJ1645	Phatr_draftJ1645
GT2	168	Phatr3_draftJ1777.p1	727	6.70E-09	1	165	281	503	0.976190476	Phaeodactylum_tricornutum	Diatom	GT2_Phatr3_draftJ1777.p1	Diatom	Phatr	Phatr_draftJ1777	Phatr_draftJ1777
CE10	341	Phatr3_draftJ453.p1	470	1.50E-20	71	301	194	424	0.674486804	Phaeodactylum_tricornutum	Diatom	CE10_Phatr3_draftJ453.p1	Diatom	Phatr	Phatr_draftJ453	Phatr_draftJ453
GT26	171	PITG_0012770	328	0.00087	38	98	75	134	0.350877193	Phytophthora_infestans	Phytophthora	GT26_PITG_0012770	Oomycete	Phin	Phin_0012770	Phin_0012770
CBM13	188	PITG_0014970	1698	2.00E-17	9	149	1003	1149	0.744680851	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	3.80E-16	8	151	838	987	0.760638298	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	6.60E-16	11	136	1170	1301	0.664893617	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	8.80E-15	9	148	673	818	0.739361702	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	1.60E-14	10	149	509	654	0.739361702	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	3.10E-14	6	140	184	324	0.712765957	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	4.40E-13	7	135	1329	1460	0.680851064	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	1.10E-12	9	143	27	167	0.712765957	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
CBM13	188	PITG_0014970	1698	3.10E-12	10	146	348	490	0.723404255	Phytophthora_infestans	Phytophthora	CBM13_PITG_0014970	Oomycete	Phin	Phin_0014970	Phin_0014970
GH17	311	PITG_0021970	356	1.90E-23	12	306	43	296	0.945337621	Phytophthora_infestans	Phytophthora	GH17_PITG_0021970	Oomycete	Phin	Phin_0021970	Phin_0021970_secreted
CE10	341	PITG_0029470	293	2.30E-38	83	309	31	256	0.662756598	Phytophthora_infestans	Phytophthora	CE10_PITG_0029470	Oomycete	Phin	Phin_0029470	Phin_0029470
GT4	160	PITG_0029970	1488	4.60E-39	11	149	1292	1442	0.8625	Phytophthora_infestans	Phytophthora	GT4_PITG_0029970	Oomycete	Phin	Phin_0029970	Phin_0029970
CE1	227	PITG_0039270	286	2.30E-10	22	143	39	175	0.533039648	Phytophthora_infestans	Phytophthora	CE1_PITG_0039270	Oomycete	Phin	Phin_0039270	Phin_0039270
CE1	227	PITG_0039370	270	3.00E-10	18	143	39	201	0.550660793	Phytophthora_infestans	Phytophthora	CE1_PITG_0039370	Oomycete	Phin	Phin_0039370	Phin_0039370
CE1	227	PITG_0039470	322	0.000000001	12	143	39	213	0.577092511	Phytophthora_infestans	Phytophthora	CE1_PITG_0039470	Oomycete	Phin	Phin_0039470	Phin_0039470
AA2	255	PITG_0049270	335	1.60E-58	8	253	69	322	0.960784314	Phytophthora_infestans	Phytophthora	AA2_PITG_0049270	Oomycete	Phin	Phin_0049270	Phin_0049270
GT60	330	PITG_0057670	465	9.00E-20	1	109	283	366	0.327272727	Phytophthora_infestans	Phytophthora	GT60_PITG_0057670	Oomycete	Phin	Phin_0057670	Phin_0057670
GT66	693	PITG_0063270	850	1.00E-161	11	550	64	644	0.777777778	Phytophthora_infestans	Phytophthora	GT66_PITG_0063270	Oomycete	Phin	Phin_0063270	Phin_0063270
CE7	313	PITG_0068770	474	3.80E-10	156	299	143	288	0.45686901	Phytophthora_infestans	Phytophthora	CE7_PITG_0068770	Oomycete	Phin	Phin_0068770	Phin_0068770
CE12	210	PITG_0070670	247	1.20E-14	2	162	20	193	0.761904762	Phytophthora_infestans	Phytophthora	CE12_PITG_0070670	Oomycete	Phin	Phin_0070670	Phin_0070670
CE12	210	PITG_0071070	242	3.30E-11	2	163	25	185	0.766666667	Phytophthora_infestans	Phytophthora	CE12_PITG_0071070	Oomycete	Phin	Phin_0071070	Phin_0071070
CE12	210	PITG_0071170	313	2.90E-10	2	162	64	243	0.761904762	Phytophthora_infestans	Phytophthora	CE12_PITG_0071170	Oomycete	Phin	Phin_0071170	Phin_0071170
CE12	210	PITG_0071270	328	1.00E-12	1	159	66	243	0.752380952	Phytophthora_infestans	Phytophthora	CE12_PITG_0071270	Oomycete	Phin	Phin_0071270	Phin_0071270
AA8	815	PITG_0080570	642	1.50E-64	232	750	16	512	0.635582822	Phytophthora_infestans	Phytophthora	AA8_PITG_0080570	Oomycete	Phin	Phin_0080570	Phin_0080570_secreted
PL1	202	PITG_0087270	515	6.10E-42	15	200	122	323	0.915841584	Phytophthora_infestans	Phytophthora	PL1_PITG_0087270	Oomycete	Phin	Phin_0087270	Phin_0087270_secreted
CE12	210	PITG_0092770	282	6.80E-16	2	164	41	219	0.771428571	Phytophthora_infestans	Phytophthora	CE12_PITG_0092770	Oomycete	Phin	Phin_0092770	Phin_0092770
GT4	160	PITG_0098370	1353	3.10E-10	19	126	1159	1282	0.66875	Phytophthora_infestans	Phytophthora	GT4_PITG_0098370	Oomycete	Phin	Phin_0098370	Phin_0098370_secreted
GT41	705	PITG_0098370	1353	8.30E-110	117	517	138	725	0.567375887	Phytophthora_infestans	Phytophthora	GT41_PITG_0098370	Oomycete	Phin	Phin_0098370	Phin_0098370_secreted
CE8	288	PITG_0102970	338	1.70E-76	8	271	43	312	0.913194444	Phytophthora_infestans	Phytophthora	CE8_PITG_0102970	Oomycete	Phin	Phin_0102970	Phin_0102970_secreted
GH16	189	PITG_0109270	536	0.000000067	4	97	79	245	0.492063492	Phytophthora_infestans	Phytophthora	GH16_PITG_0109270	Oomycete	Phin	Phin_0109270	Phin_0109270_secreted
GH131	255	PITG_0113170	329	8.80E-24	35	253	62	269	0.854901961	Phytophthora_infestans	Phytophthora	GH131_PITG_0113170	Oomycete	Phin	Phin_0113170	Phin_0113170_secreted
GH131	255	PITG_0113270	306	2.20E-23	35	247	62	263	0.831372549	Phytophthora_infestans	Phytophthora	GH131_PITG_0113270	Oomycete	Phin	Phin_0113270	Phin_0113270_secreted
GH131	255	PITG_0113370	373	9.00E-25	44	246	70	255	0.792156863	Phytophthora_infestans	Phytophthora	GH131_PITG_0113370	Oomycete	Phin	Phin_0113370	Phin_0113370_secreted
GH35	307	PITG_0113870	706	1.20E-88	1	306	92	393	0.993485342	Phytophthora_infestans	Phytophthora	GH35_PITG_0113870	Oomycete	Phin	Phin_0113870	Phin_0113870
CBM38	129	PITG_0115370	3726	2.10E-21	4	128	3156	3375	0.96124031	Phytophthora_infestans	Phytophthora	CBM38_PITG_0115370	Oomycete	Phin	Phin_0115370	Phin_0115370
GH5	275	PITG_0116470	323	7.40E-29	16	178	59	280	0.589090909	Phytophthora_infestans	Phytophthora	GH5_PITG_0116470	Oomycete	Phin	Phin_0116470	Phin_0116470
CE1	227	PITG_0118670	453	0.0000043	14	142	96	242	0.563876652	Phytophthora_infestans	Phytophthora	CE1_PITG_0118670	Oomycete	Phin	Phin_0118670	Phin_0118670
GH72	312	PITG_0126670	501	4.00E-81	4	283	22	328	0.894230769	Phytophthora_infestans	Phytophthora	GH72_PITG_0126670	Oomycete	Phin	Phin_0126670	Phin_0126670_secreted
GH72	312	PITG_0126770	472	1.70E-72	19	284	3	295	0.849358974	Phytophthora_infestans	Phytophthora	GH72_PITG_0126770	Oomycete	Phin	Phin_0126770	Phin_0126770
GH72	312	PITG_0126970	315	8.90E-69	15	265	1	279	0.801282051	Phytophthora_infestans	Phytophthora	GH72_PITG_0126970	Oomycete	Phin	Phin_0126970	Phin_0126970
CE1	227	PITG_0127470	397	0.000000077	25	143	77	226	0.519823789	Phytophthora_infestans	Phytophthora	CE1_PITG_0127470	Oomycete	Phin	Phin_0127470	Phin_0127470_secreted
GT28	157	PITG_0135370	168	4.50E-10	62	117	67	122	0.350318471	Phytophthora_infestans	Phytophthora	GT28_PITG_0135370	Oomycete	Phin	Phin_0135370	Phin_0135370
GH1	429	PITG_0139170	551	4.40E-82	131	426	141	492	0.687645688	Phytophthora_infestans	Phytophthora	GH1_PITG_0139170	Oomycete	Phin	Phin_0139170	Phin_0139170
GH1	429	PITG_0139570	571	9.70E-136	4	426	28	509	0.983682984	Phytophthora_infestans	Phytophthora	GH1_PITG_0139570	Oomycete	Phin	Phin_0139570	Phin_0139570
GH1	429	PITG_0139670	536	8.80E-133	10	426	1	476	0.96969697	Phytophthora_infestans	Phytophthora	GH1_PITG_0139670	Oomycete	Phin	Phin_0139670	Phin_0139670
GH1	429	PITG_0139770	574	5.70E-128	3	425	27	511	0.983682984	Phytophthora_infestans	Phytophthora	GH1_PITG_0139770	Oomycete	Phin	Phin_0139770	Phin_0139770
GH1	429	PITG_0139870	582	3.90E-145	3	426	28	510	0.986013986	Phytophthora_infestans	Phytophthora	GH1_PITG_0139870	Oomycete	Phin	Phin_0139870	Phin_0139870
GH1	429	PITG_0139970	491	3.70E-117	3	426	23	480	0.986013986	Phytophthora_infestans	Phytophthora	GH1_PITG_0139970	Oomycete	Phin	Phin_0139970	Phin_0139970_secreted
CE1	227	PITG_0142370	418	0.0000022	14	192	74	258	0.784140969	Phytophthora_infestans	Phytophthora	CE1_PITG_0142370	Oomycete	Phin	Phin_0142370	Ph

GH131	255	PITG_01625T0	187	6.70E-17	35	179	51	179	0.564705882	Phytophthora_infestans	Phytophthora	GH131_PITG_01625T0	Oomycete	Phin	Phin_01625T0	Phin_01625T0
GH78	504	PITG_01760T0	679	8.40E-34	106	403	342	663	0.589285714	Phytophthora_infestans	Phytophthora	GH78_PITG_01760T0	Oomycete	Phin	Phin_01760T0	Phin_01760T0
GH47	446	PITG_01855T0	590	6.30E-135	1	446	146	585	0.997757848	Phytophthora_infestans	Phytophthora	GH47_PITG_01855T0	Oomycete	Phin	Phin_01855T0	Phin_01855T0
GT20	475	PITG_01869T0	833	1.20E-101	14	358	12	389	0.724210526	Phytophthora_infestans	Phytophthora	GT20_PITG_01869T0	Oomycete	Phin	Phin_01869T0	Phin_01869T0
CBM37	62	PITG_01931T0	584	0.00084	33	61	389	417	0.451612903	Phytophthora_infestans	Phytophthora	CBM37_PITG_01931T0	Oomycete	Phin	Phin_01931T0	Phin_01931T0
	275	PITG_01949T0	708	2.30E-28	3	235	35	536	0.843636364	Phytophthora_infestans	Phytophthora	GH5_PITG_01949T0	Oomycete	Phin	Phin_01949T0	Phin_01949T0
GH5	275	PITG_01960T0	660	3.40E-30	2	237	17	518	0.854545455	Phytophthora_infestans	Phytophthora	GH5_PITG_01960T0	Oomycete	Phin	Phin_01960T0	Phin_01960T0
GH5	275	PITG_01963T0	667	3.30E-28	2	237	6	506	0.854545455	Phytophthora_infestans	Phytophthora	GH5_PITG_01963T0	Oomycete	Phin	Phin_01963T0	Phin_01963T0
AA11	191	PITG_01966T0	327	0.0000035	74	169	139	250	0.497382199	Phytophthora_infestans	Phytophthora	AA11_PITG_01966T0	Oomycete	Phin	Phin_01966T0	Phin_01966T0
GT2	168	PITG_02050T0	913	0.000000012	2	165	234	465	0.970238095	Phytophthora_infestans	Phytophthora	GT2_PITG_02050T0	Oomycete	Phin	Phin_02050T0	Phin_02050T0
GT41	705	PITG_02055T0	434	8.90E-09	25	255	120	333	0.326241135	Phytophthora_infestans	Phytophthora	GT41_PITG_02055T0	Oomycete	Phin	Phin_02055T0	Phin_02055T0
GH3	216	PITG_02103T0	809	3.20E-59	4	214	74	321	0.972222222	Phytophthora_infestans	Phytophthora	GH3_PITG_02103T0	Oomycete	Phin	Phin_02103T0	Phin_02103T0_secreted
CE12	210	PITG_02155T0	310	0.000000011	1	160	37	200	0.757142857	Phytophthora_infestans	Phytophthora	CE12_PITG_02155T0	Oomycete	Phin	Phin_02155T0	Phin_02155T0_secreted
GT4	160	PITG_02166T0	337	0.0000015	74	136	194	256	0.3875	Phytophthora_infestans	Phytophthora	GT4_PITG_02166T0	Oomycete	Phin	Phin_02166T0	Phin_02166T0
AA4	522	PITG_02245T0	499	9.60E-22	21	198	43	219	0.33908046	Phytophthora_infestans	Phytophthora	AA4_PITG_02245T0	Oomycete	Phin	Phin_02245T0	Phin_02245T0
AA4	522	PITG_02246T0	459	6.80E-22	20	199	16	194	0.34291877	Phytophthora_infestans	Phytophthora	AA4_PITG_02246T0	Oomycete	Phin	Phin_02246T0	Phin_02246T0
GH47	446	PITG_02266T0	1039	4.20E-134	1	446	164	596	0.997757848	Phytophthora_infestans	Phytophthora	GH47_PITG_02266T0	Oomycete	Phin	Phin_02266T0	Phin_02266T0
GT71	264	PITG_02291T0	578	9.90E-52	2	264	194	424	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_02291T0	Oomycete	Phin	Phin_02291T0	Phin_02291T0
GT71	264	PITG_02294T0	536	3.60E-50	2	264	176	406	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_02294T0	Oomycete	Phin	Phin_02294T0	Phin_02294T0_secreted
GT20	475	PITG_02307T0	1128	1.90E-148	10	474	55	540	0.976842105	Phytophthora_infestans	Phytophthora	GT20_PITG_02307T0	Oomycete	Phin	Phin_02307T0	Phin_02307T0
PL4	567	PITG_02332T0	547	5.50E-91	3	561	39	529	0.984126984	Phytophthora_infestans	Phytophthora	PL4_PITG_02332T0	Oomycete	Phin	Phin_02332T0	Phin_02332T0_secreted
GH17	311	PITG_02335T0	448	2.30E-17	24	306	76	319	0.906752412	Phytophthora_infestans	Phytophthora	GH17_PITG_02335T0	Oomycete	Phin	Phin_02335T0	Phin_02335T0_secreted
PL4	567	PITG_02368T0	486	6.20E-78	4	497	21	449	0.869488536	Phytophthora_infestans	Phytophthora	PL4_PITG_02368T0	Oomycete	Phin	Phin_02368T0	Phin_02368T0_secreted
GT71	264	PITG_02384T0	370	4.10E-36	17	261	3	259	0.924242424	Phytophthora_infestans	Phytophthora	GT71_PITG_02384T0	Oomycete	Phin	Phin_02384T0	Phin_02384T0
GT71	264	PITG_02392T0	496	2.30E-46	2	257	114	377	0.965909091	Phytophthora_infestans	Phytophthora	GT71_PITG_02392T0	Oomycete	Phin	Phin_02392T0	Phin_02392T0
GT71	264	PITG_02393T0	449	7.40E-35	4	257	79	322	0.958333333	Phytophthora_infestans	Phytophthora	GT71_PITG_02393T0	Oomycete	Phin	Phin_02393T0	Phin_02393T0
GT71	264	PITG_02394T0	414	1.20E-22	8	130	61	188	0.462121212	Phytophthora_infestans	Phytophthora	GT71_PITG_02394T0	Oomycete	Phin	Phin_02394T0	Phin_02394T0
GT71	264	PITG_02397T0	234	5.90E-28	2	188	60	229	0.704545455	Phytophthora_infestans	Phytophthora	GT71_PITG_02397T0	Oomycete	Phin	Phin_02397T0	Phin_02397T0
GT8	257	PITG_02430T0	495	6.30E-12	49	205	2	143	0.607003891	Phytophthora_infestans	Phytophthora	GT8_PITG_02430T0	Oomycete	Phin	Phin_02430T0	Phin_02430T0
GT58	364	PITG_02432T0	569	6.00E-136	2	364	53	406	0.994505495	Phytophthora_infestans	Phytophthora	GT58_PITG_02432T0	Oomycete	Phin	Phin_02432T0	Phin_02432T0
CE10	341	PITG_02504T0	213	2.10E-34	124	339	17	211	0.630498534	Phytophthora_infestans	Phytophthora	CE10_PITG_02504T0	Oomycete	Phin	Phin_02504T0	Phin_02504T0
CE8	288	PITG_02545T0	338	2.00E-72	3	272	36	313	0.934027778	Phytophthora_infestans	Phytophthora	CE8_PITG_02545T0	Oomycete	Phin	Phin_02545T0	Phin_02545T0_secreted
GT20	475	PITG_02575T0	1034	8.40E-103	14	473	209	759	0.96631579	Phytophthora_infestans	Phytophthora	GT20_PITG_02575T0	Oomycete	Phin	Phin_02575T0	Phin_02575T0
CBM9	182	PITG_02652T0	209	5.10E-25	1	101	64	171	0.54945055	Phytophthora_infestans	Phytophthora	CBM9_PITG_02652T0	Oomycete	Phin	Phin_02652T0	Phin_02652T0_secreted
CBM50	40	PITG_02715T0	1549	0.000000001	1	39	1457	1499	0.95	Phytophthora_infestans	Phytophthora	CBM50_PITG_02715T0	Oomycete	Phin	Phin_02715T0	Phin_02715T0
	458	PITG_02928T0	509	1.80E-53	5	454	59	499	0.980349345	Phytophthora_infestans	Phytophthora	AA7_PITG_02928T0	Oomycete	Phin	Phin_02928T0	Phin_02928T0_secreted
AA7	458	PITG_02930T0	516	1.20E-48	5	222	66	291	0.473799127	Phytophthora_infestans	Phytophthora	AA7_PITG_02930T0	Oomycete	Phin	Phin_02930T0	Phin_02930T0_secreted
AA7	458	PITG_02935T0	507	5.00E-49	5	222	57	282	0.473799127	Phytophthora_infestans	Phytophthora	AA7_PITG_02935T0	Oomycete	Phin	Phin_02935T0	Phin_02935T0_secreted
AA3	618	PITG_02954T0	643	1.70E-106	76	402	75	624	0.527508091	Phytophthora_infestans	Phytophthora	AA3_PITG_02954T0	Oomycete	Phin	Phin_02954T0	Phin_02954T0
AA3	618	PITG_02961T0	588	1.40E-105	85	402	28	569	0.512944984	Phytophthora_infestans	Phytophthora	AA3_PITG_02961T0	Oomycete	Phin	Phin_02961T0	Phin_02961T0
AA3	618	PITG_02968T0	588	1.30E-115	71	408	15	575	0.545307443	Phytophthora_infestans	Phytophthora	AA3_PITG_02968T0	Oomycete	Phin	Phin_02968T0	Phin_02968T0
GT59	404	PITG_03060T0	429	1.70E-109	3	391	42	416	0.96039604	Phytophthora_infestans	Phytophthora	GT59_PITG_03060T0	Oomycete	Phin	Phin_03060T0	Phin_03060T0
GH3	216	PITG_03135T0	732	4.60E-63	6	209	83	295	0.939814815	Phytophthora_infestans	Phytophthora	GH3_PITG_03135T0	Oomycete	Phin	Phin_03135T0	Phin_03135T0
GH3	216	PITG_03136T0	790	6.70E-64	5	205	125	335	0.925925926	Phytophthora_infestans	Phytophthora	GH3_PITG_03136T0	Oomycete	Phin	Phin_03136T0	Phin_03136T0_secreted
GH3	216	PITG_03140T0	753	4.70E-62	5	200	66	263	0.902777778	Phytophthora_infestans	Phytophthora	GH3_PITG_03140T0	Oomycete	Phin	Phin_03140T0	Phin_03140T0
GH3	216	PITG_03141T0	1148	5.50E-60	5	203	511	719	0.916666667	Phytophthora_infestans	Phytophthora	GH3_PITG_03141T0	Oomycete	Phin	Phin_03141T0	Phin_03141T0
GT4	160	PITG_03200T0	453	8.20E-18	7	129	225	362	0.7625	Phytophthora_infestans	Phytophthora	GT4_PITG_03200T0	Oomycete	Phin	Phin_03200T0	Phin_03200T0
GH3	216	PITG_03213T0	682	2.70E-51	5	178	143	318	0.800925926	Phytophthora_infestans	Phytophthora	GH3_PITG_03213T0	Oomycete	Phin	Phin_03213T0	Phin_03213T0
GH109	126	PITG_03215T0	346	0.000000022	65	117	58	109	0.412698413	Phytophthora_infestans	Phytophthora	GH109_PITG_03215T0	Oomycete	Phin	Phin_03215T0	Phin_03215T0
PL9	374	PITG_03281T0	401	0.000000031	25	146	101	227	0.323529412	Phytophthora_infestans	Phytophthora	PL9_PITG_03281T0	Oomycete	Phin	Phin_03281T0	Phin_03281T0
GT48	739	PITG_03335T0	2631	1.10E-260	3	709	1644	2316	0.955345061	Phytophthora_infestans	Phytophthora	GT48_PITG_03335T0	Oomycete	Phin	Phin_03335T0	Phin_03335T0
GH30	417	PITG_03357T0	496	2.40E-62	11	416	25	491	0.971223022	Phytophthora_infestans	Phytophthora	GH30_PITG_03357T0	Oomycete	Phin	Phin_03357T0	Phin_03357T0_secreted
GH30	417	PITG_03358T0	498	1.90E-57	12	415	25	493	0.966426859	Phytophthora_infestans	Phytophthora	GH30_PITG_03358T0	Oomycete	Phin	Phin_03358T0	Phin_03358T0_secreted
GH3	216	PITG_03411T0	760	8.30E-60	5	215	81	302	0.972222222	Phytophthora_infestans	Phytophthora	GH3_PITG_03411T0	Oomycete	Phin	Phin_03411T0	Phin_03411T0
GH72	312	PITG_03425T0	557	5.00E-75	7	311	30	380	0.974358974	Phytophthora_infestans	Phytophthora	GH72_PITG_03425T0	Oomycete	Phin	Phin_03425T0	Phin_03425T0
GT48	739	PITG_03472T0	1968	7.30E-282	3	709	1056	1780	0.955345061	Phytophthora_infestans	Phytophthora	GT48_PITG_03472T0	Oomycete	Phin	Phin_03472T0	Phin_03472T0
GT48	739	PITG_03473T0	2026	2.10E-280	3	710	1114	1839	0.956698241	Phytophthora_infestans	Phytophthora	GT48_PITG_03473T0	Oomycete	Phin	Phin_03473T0	Phin_03473T0
GH81	622	PITG_03508T0	489	8.60E-54	11	345	99	485	0.536977492	Phytophthora_infestans	Phytophthora	GH81_PITG_03508T0	Oomycete	Phin	Phin_03508T0	Phin_03508T0_secreted
GH81	622	PITG_03511T0	796	5.40E-166	11	621	99	772	0.980707396	Phytophthora_infestans	Phytophthora	GH81_PITG_03511T0	Oomycete	Phin	Phin_03511T0	Phin_03511T0_secreted
GH81	622	PITG_03512T0	647	5.40E-102	342	621	322	609	0.448553055	Phytophthora_infestans	Phytophthora	GH81_PITG_03512T0	Oomycete	Phin	Phin_03512T0	Phin_03512T0_secreted
GH81	622	PITG_03512T0	647	3.10E-33	10	199	96	322	0.303858521	Phytophthora_infestans	Phytophthora	GH81_PITG_03512T0	Oomycete	Phin	Phin_03512T0	Phin_03512T0_secreted
CE1	227	PITG_03525T0	376	0.000000063	12	208	64	294	0.863436123	Phytophthora_infestans	Phytophthora	CE1_PITG_03525T0	Oomycete	Phin	Phin_03525T0	Phin_03525T0
GH81	622	PITG_03533T0	549	1.70E-87	104	435	2	361	0.532154341	Phytophthora_infestans	Phytophthora	GH81_PITG_03533T0	Oomycete	Phin	Phin_03533T0	Phin_03533T0
GH81	622	PITG_03535T0	878	2.50E-167	11	621	57	700	0.980707396	Phytophthora_infestans	Phytophthora	GH81_PITG_03535T0	Oomycete	Phin	Phin_03535T0	Phin_03535T0
CE13	355	PITG_03543T0	421	2.10E-26	25	187	77	257	0.456338028	Phytophthora_infestans	Phytophthora	CE13_PITG_03543T0	Oomycete	Phin	Phin_03543T0	Phin_03543T0_secreted
GH81	622	PITG_03554T0	659	2.30												

CE10	341	PITG_03840T0	815	1.90E-39	76	324	170	437	0.727272727	Phytophthora_infestans	Phytophthora	CE10_PITG_03840T0	Oomycete	Phin	Phin_03840T0	Phin_03840T0
CE10	341	PITG_03840T0	815	1.50E-37	80	212	660	802	0.387096774	Phytophthora_infestans	Phytophthora	CE10_PITG_03840T0	Oomycete	Phin	Phin_03840T0	Phin_03840T0
GH17	311	PITG_03979T0	383	3.00E-18	28	306	95	336	0.893890675	Phytophthora_infestans	Phytophthora	GH17_PITG_03979T0	Oomycete	Phin	Phin_03979T0	Phin_03979T0_secreted
CBM1	29	PITG_04077T0	232	7.50E-13	1	29	193	221	0.965517241	Phytophthora_infestans	Phytophthora	CBM1_PITG_04077T0	Oomycete	Phin	Phin_04077T0	Phin_04077T0
CBM1	29	PITG_04077T0	232	8.50E-12	2	29	68	95	0.931034483	Phytophthora_infestans	Phytophthora	CBM1_PITG_04077T0	Oomycete	Phin	Phin_04077T0	Phin_04077T0
CBM1	29	PITG_04077T0	232	0.00018	15	29	165	179	0.482758621	Phytophthora_infestans	Phytophthora	CBM1_PITG_04077T0	Oomycete	Phin	Phin_04077T0	Phin_04077T0
CBM1	29	PITG_04114T0	130	4.80E-09	2	28	85	111	0.896551724	Phytophthora_infestans	Phytophthora	CBM1_PITG_04114T0	Oomycete	Phin	Phin_04114T0	Phin_04114T0_secreted
GH17	311	PITG_04123T0	423	1.90E-21	2	306	25	279	0.977491961	Phytophthora_infestans	Phytophthora	GH17_PITG_04123T0	Oomycete	Phin	Phin_04123T0	Phin_04123T0_secreted
GH17	311	PITG_04124T0	265	4.00E-17	2	282	28	259	0.900321543	Phytophthora_infestans	Phytophthora	GH17_PITG_04124T0	Oomycete	Phin	Phin_04124T0	Phin_04124T0_secreted
GH17	311	PITG_04125T0	461	7.50E-20	2	308	25	282	0.98392283	Phytophthora_infestans	Phytophthora	GH17_PITG_04125T0	Oomycete	Phin	Phin_04125T0	Phin_04125T0_secreted
GH17	311	PITG_04126T0	376	1.60E-14	164	303	148	260	0.446945338	Phytophthora_infestans	Phytophthora	GH17_PITG_04126T0	Oomycete	Phin	Phin_04126T0	Phin_04126T0_secreted
GH17	311	PITG_04135T0	287	6.20E-18	2	306	28	283	0.977491961	Phytophthora_infestans	Phytophthora	GH17_PITG_04135T0	Oomycete	Phin	Phin_04135T0	Phin_04135T0_secreted
GH17	311	PITG_04141T0	299	1.10E-18	2	309	26	284	0.987138264	Phytophthora_infestans	Phytophthora	GH17_PITG_04141T0	Oomycete	Phin	Phin_04141T0	Phin_04141T0
GH17	311	PITG_04158T0	298	5.50E-20	2	306	26	280	0.977491961	Phytophthora_infestans	Phytophthora	GH17_PITG_04158T0	Oomycete	Phin	Phin_04158T0	Phin_04158T0
GH30	417	PITG_04207T0	338	5.30E-77	59	347	10	337	0.690647482	Phytophthora_infestans	Phytophthora	GH30_PITG_04207T0	Oomycete	Phin	Phin_04207T0	Phin_04207T0
GH30	417	PITG_04254T0	423	6.80E-50	58	254	83	289	0.470023981	Phytophthora_infestans	Phytophthora	GH30_PITG_04254T0	Oomycete	Phin	Phin_04254T0	Phin_04254T0
GH30	417	PITG_04255T0	540	4.90E-113	9	416	82	530	0.976019185	Phytophthora_infestans	Phytophthora	GH30_PITG_04255T0	Oomycete	Phin	Phin_04255T0	Phin_04255T0_secreted
GH10	303	PITG_04273T0	212	1.60E-47	133	293	6	174	0.528052805	Phytophthora_infestans	Phytophthora	GH10_PITG_04273T0	Oomycete	Phin	Phin_04273T0	Phin_04273T0
CE8	288	PITG_04325T0	350	1.40E-75	4	273	47	326	0.934027778	Phytophthora_infestans	Phytophthora	CE8_PITG_04325T0	Oomycete	Phin	Phin_04325T0	Phin_04325T0_secreted
GT71	264	PITG_04418T0	531	2.00E-40	4	257	71	333	0.958333333	Phytophthora_infestans	Phytophthora	GT71_PITG_04418T0	Oomycete	Phin	Phin_04418T0	Phin_04418T0
GT71	264	PITG_04419T0	357	2.10E-42	10	257	3	237	0.935606061	Phytophthora_infestans	Phytophthora	GT71_PITG_04419T0	Oomycete	Phin	Phin_04419T0	Phin_04419T0
GT66	693	PITG_04610T0	731	7.60E-153	8	600	3	678	0.854256854	Phytophthora_infestans	Phytophthora	GT66_PITG_04610T0	Oomycete	Phin	Phin_04610T0	Phin_04610T0
CBM43	83	PITG_04615T0	523	1.10E-14	8	77	400	467	0.831325301	Phytophthora_infestans	Phytophthora	CBM43_PITG_04615T0	Oomycete	Phin	Phin_04615T0	Phin_04615T0
GH5	275	PITG_04615T0	523	1.20E-31	22	219	15	273	0.716363636	Phytophthora_infestans	Phytophthora	GH5_PITG_04615T0	Oomycete	Phin	Phin_04615T0	Phin_04615T0
PL3	197	PITG_04668T0	293	8.80E-37	2	196	73	267	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_04668T0	Oomycete	Phin	Phin_04668T0	Phin_04668T0_secreted
CBM32	124	PITG_04711T0	138	4.70E-10	10	107	15	116	0.782258065	Phytophthora_infestans	Phytophthora	CBM32_PITG_04711T0	Oomycete	Phin	Phin_04711T0	Phin_04711T0
CE2	209	PITG_04874T0	292	3.20E-56	1	209	37	254	0.995215311	Phytophthora_infestans	Phytophthora	CE2_PITG_04874T0	Oomycete	Phin	Phin_04874T0	Phin_04874T0
GH3	216	PITG_05066T0	703	1.30E-36	8	187	70	235	0.828703704	Phytophthora_infestans	Phytophthora	GH3_PITG_05066T0	Oomycete	Phin	Phin_05066T0	Phin_05066T0
GT48	739	PITG_05079T0	2247	8.50E-274	2	721	853	1600	0.972936401	Phytophthora_infestans	Phytophthora	GT48_PITG_05079T0	Oomycete	Phin	Phin_05079T0	Phin_05079T0
GT4	160	PITG_05090T0	493	0.0000014	71	137	346	411	0.4125	Phytophthora_infestans	Phytophthora	GT4_PITG_05090T0	Oomycete	Phin	Phin_05090T0	Phin_05090T0
GH78	504	PITG_05097T0	653	8.70E-66	68	503	88	595	0.863095238	Phytophthora_infestans	Phytophthora	GH78_PITG_05097T0	Oomycete	Phin	Phin_05097T0	Phin_05097T0_secreted
CBM47	128	PITG_05136T0	142	2.00E-12	2	62	34	87	0.46875	Phytophthora_infestans	Phytophthora	CBM47_PITG_05136T0	Oomycete	Phin	Phin_05136T0	Phin_05136T0
CBM13	188	PITG_05142T0	136	0.0000009	8	132	9	90	0.659574468	Phytophthora_infestans	Phytophthora	CBM13_PITG_05142T0	Oomycete	Phin	Phin_05142T0	Phin_05142T0
GT4	160	PITG_05198T0	550	0.0000037	66	136	373	444	0.4375	Phytophthora_infestans	Phytophthora	GT4_PITG_05198T0	Oomycete	Phin	Phin_05198T0	Phin_05198T0
PL1	202	PITG_05312T0	246	0.0000004	60	174	118	246	0.564356436	Phytophthora_infestans	Phytophthora	PL1_PITG_05312T0	Oomycete	Phin	Phin_05312T0	Phin_05312T0
CBM47	128	PITG_05525T0	2012	0.000000012	5	63	979	1039	0.453125	Phytophthora_infestans	Phytophthora	CBM47_PITG_05525T0	Oomycete	Phin	Phin_05525T0	Phin_05525T0
CBM25	78	PITG_05526T0	707	4.10E-10	39	76	11	47	0.474358974	Phytophthora_infestans	Phytophthora	CBM25_PITG_05526T0	Oomycete	Phin	Phin_05526T0	Phin_05526T0
GH13	299	PITG_05526T0	707	2.80E-19	23	258	266	578	0.785953177	Phytophthora_infestans	Phytophthora	GH13_PITG_05526T0	Oomycete	Phin	Phin_05526T0	Phin_05526T0
GT57	481	PITG_05541T0	528	1.60E-140	2	479	35	510	0.991683992	Phytophthora_infestans	Phytophthora	GT57_PITG_05541T0	Oomycete	Phin	Phin_05541T0	Phin_05541T0
AA4	522	PITG_05553T0	492	2.50E-20	53	249	71	258	0.375478927	Phytophthora_infestans	Phytophthora	AA4_PITG_05553T0	Oomycete	Phin	Phin_05553T0	Phin_05553T0
AA4	522	PITG_05555T0	427	0.000000015	121	281	117	275	0.306513441	Phytophthora_infestans	Phytophthora	AA4_PITG_05555T0	Oomycete	Phin	Phin_05555T0	Phin_05555T0
AA4	522	PITG_05556T0	488	3.20E-19	52	255	66	260	0.388888889	Phytophthora_infestans	Phytophthora	AA4_PITG_05556T0	Oomycete	Phin	Phin_05556T0	Phin_05556T0
AA2	255	PITG_05578T0	636	4.60E-23	26	252	406	628	0.88627451	Phytophthora_infestans	Phytophthora	AA2_PITG_05578T0	Oomycete	Phin	Phin_05578T0	Phin_05578T0
AA2	255	PITG_05578T0	636	4.00E-10	122	250	186	336	0.501960784	Phytophthora_infestans	Phytophthora	AA2_PITG_05578T0	Oomycete	Phin	Phin_05578T0	Phin_05578T0
AA2	255	PITG_05578T0	636	1.60E-09	14	92	57	134	0.305882353	Phytophthora_infestans	Phytophthora	AA2_PITG_05578T0	Oomycete	Phin	Phin_05578T0	Phin_05578T0
AA2	255	PITG_05579T0	660	6.30E-25	27	252	431	652	0.882352941	Phytophthora_infestans	Phytophthora	AA2_PITG_05579T0	Oomycete	Phin	Phin_05579T0	Phin_05579T0_secreted
AA2	255	PITG_05579T0	660	4.30E-23	14	126	74	188	0.439215686	Phytophthora_infestans	Phytophthora	AA2_PITG_05579T0	Oomycete	Phin	Phin_05579T0	Phin_05579T0_secreted
AA2	255	PITG_05579T0	660	2.70E-12	122	250	223	360	0.501960784	Phytophthora_infestans	Phytophthora	AA2_PITG_05579T0	Oomycete	Phin	Phin_05579T0	Phin_05579T0_secreted
CE13	355	PITG_05725T0	338	3.90E-19	27	184	78	253	0.442253521	Phytophthora_infestans	Phytophthora	CE13_PITG_05725T0	Oomycete	Phin	Phin_05725T0	Phin_05725T0_secreted
GT4	160	PITG_05753T0	479	1.40E-10	7	83	378	456	0.475	Phytophthora_infestans	Phytophthora	GT4_PITG_05753T0	Oomycete	Phin	Phin_05753T0	Phin_05753T0_secreted
GT1	382	PITG_05764T0	612	2.70E-23	68	381	163	530	0.819371728	Phytophthora_infestans	Phytophthora	GT1_PITG_05764T0	Oomycete	Phin	Phin_05764T0	Phin_05764T0
GT8	257	PITG_06049T0	422	7.70E-30	14	254	147	387	0.93385214	Phytophthora_infestans	Phytophthora	GT8_PITG_06049T0	Oomycete	Phin	Phin_06049T0	Phin_06049T0
GH30	417	PITG_06134T0	499	5.80E-64	9	416	22	492	0.976019185	Phytophthora_infestans	Phytophthora	GH30_PITG_06134T0	Oomycete	Phin	Phin_06134T0	Phin_06134T0_secreted
GT31	192	PITG_06273T0	291	2.10E-37	2	191	16	217	0.984375	Phytophthora_infestans	Phytophthora	GT31_PITG_06273T0	Oomycete	Phin	Phin_06273T0	Phin_06273T0
GT10	347	PITG_06279T0	374	3.40E-35	125	303	149	338	0.5129683	Phytophthora_infestans	Phytophthora	GT10_PITG_06279T0	Oomycete	Phin	Phin_06279T0	Phin_06279T0
GT31	192	PITG_06280T0	111	1.10E-20	82	191	1	101	0.567708333	Phytophthora_infestans	Phytophthora	GT31_PITG_06280T0	Oomycete	Phin	Phin_06280T0	Phin_06280T0
CE1	227	PITG_06289T0	458	0.0000095	16	172	163	366	0.68722467	Phytophthora_infestans	Phytophthora	CE1_PITG_06289T0	Oomycete	Phin	Phin_06289T0	Phin_06289T0
GT48	739	PITG_06358T0	2444	3.50E-247	2	662	861	1555	0.893098782	Phytophthora_infestans	Phytophthora	GT48_PITG_06358T0	Oomycete	Phin	Phin_06358T0	Phin_06358T0
GT48	739	PITG_06428T0	2286	2.20E-258	2	661	860	1552	0.891745602	Phytophthora_infestans	Phytophthora	GT48_PITG_06428T0	Oomycete	Phin	Phin_06428T0	Phin_06428T0
CBM32	124	PITG_06429T0	4814	0.000000084	3	113	229	342	0.887096774	Phytophthora_infestans	Phytophthora	CBM32_PITG_06429T0	Oomycete	Phin	Phin_06429T0	Phin_06429T0
CBM51	134	PITG_06429T0	4814	2.60E-16	3	133	648	805	0.970149254	Phytophthora_infestans	Phytophthora	CBM51_PITG_06429T0	Oomycete	Phin	Phin_06429T0	Phin_06429T0
CE10	341	PITG_06458T0	343	0.0000014	86	208	67	191	0.357771261	Phytophthora_infestans	Phytophthora	CE10_PITG_06458T0	Oomycete	Phin	Phin_06458T0	Phin_06458T0
GH18	296	PITG_06476T0	378	2.40E-20	26	181	117	307	0.523648649	Phytophthora_infestans	Phytophthora	GH18_PITG_06476T0	Oomycete	Phin	Phin_06476T0	Phin_06476T0
GH109	126	PITG_06507T0	346	0.000000028	65	116	58	108	0.404761905	Phytophthora_infestans	Phytophthora	GH109_PITG_06507T0	Oomycete	Phin	Phin_06507T0	Phin_06507T0
CE8	288	PITG_06560T0	345	1.70E-71	3	273	39	320	0.9375	Phytophthora_infestans	Phytophthora	CE8_PITG_06560T0	Oomycete	Phin	Phin_06560T0	Phin_06560T0_secreted
GH3	216	PITG_														

GT31	192	PITG_06688T0	1068	9.20E-36	3	191	31	227	0.979166667	Phytophthora_infestans	Phytophthora	GT31_PITG_06688T0	Oomycete	Phin	Phin_06688T0	Phin_06688T0
CE10	341	PITG_06692T0	342	2.90E-09	78	257	76	260	0.524926686	Phytophthora_infestans	Phytophthora	CE10_PITG_06692T0	Oomycete	Phin	Phin_06692T0	Phin_06692T0
GT71	264	PITG_06724T0	357	5.70E-41	10	247	3	229	0.897272723	Phytophthora_infestans	Phytophthora	GT71_PITG_06724T0	Oomycete	Phin	Phin_06724T0	Phin_06724T0
GT71	264	PITG_06738T0	343	2.70E-17	44	222	10	207	0.674242424	Phytophthora_infestans	Phytophthora	GT71_PITG_06738T0	Oomycete	Phin	Phin_06738T0	Phin_06738T0
GH7	415	PITG_06788T0	524	4.60E-178	1	414	24	463	0.995180723	Phytophthora_infestans	Phytophthora	GH7_PITG_06788T0	Oomycete	Phin	Phin_06788T0	Phin_06788T0_secreted
CBM47	128	PITG_06804T0	5272	7.70E-09	3	128	4851	4993	0.9765625	Phytophthora_infestans	Phytophthora	CBM47_PITG_06804T0	Oomycete	Phin	Phin_06804T0	Phin_06804T0_secreted
GH37	491	PITG_06808T0	639	1.90E-153	1	491	83	610	0.99796334	Phytophthora_infestans	Phytophthora	GH37_PITG_06808T0	Oomycete	Phin	Phin_06808T0	Phin_06808T0_secreted
GH37	491	PITG_06820T0	700	5.00E-162	2	489	150	691	0.991853361	Phytophthora_infestans	Phytophthora	GH37_PITG_06820T0	Oomycete	Phin	Phin_06820T0	Phin_06820T0
CBM20	90	PITG_06828T0	1152	0.00000062	2	82	84	168	0.888888889	Phytophthora_infestans	Phytophthora	CBM20_PITG_06828T0	Oomycete	Phin	Phin_06828T0	Phin_06828T0
GT20	475	PITG_06828T0	1152	1.00E-131	14	474	293	789	0.968421053	Phytophthora_infestans	Phytophthora	GT20_PITG_06828T0	Oomycete	Phin	Phin_06828T0	Phin_06828T0
GH85	315	PITG_06864T0	763	2.30E-68	1	278	148	417	0.879365079	Phytophthora_infestans	Phytophthora	GH85_PITG_06864T0	Oomycete	Phin	Phin_06864T0	Phin_06864T0
GT2	168	PITG_06876T0	269	3.10E-15	39	164	59	186	0.744047619	Phytophthora_infestans	Phytophthora	GT2_PITG_06876T0	Oomycete	Phin	Phin_06876T0	Phin_06876T0
GT1	382	PITG_06879T0	261	1.20E-28	257	380	22	164	0.321989529	Phytophthora_infestans	Phytophthora	GT1_PITG_06879T0	Oomycete	Phin	Phin_06879T0	Phin_06879T0
CE1	227	PITG_06891T0	282	5.20E-48	1	225	21	278	0.986784141	Phytophthora_infestans	Phytophthora	CE1_PITG_06891T0	Oomycete	Phin	Phin_06891T0	Phin_06891T0
GH12	156	PITG_06962T0	405	6.20E-42	2	156	118	266	0.987179487	Phytophthora_infestans	Phytophthora	GH12_PITG_06962T0	Oomycete	Phin	Phin_06962T0	Phin_06962T0
GH16	189	PITG_06976T0	413	0.000002	61	144	278	381	0.439153439	Phytophthora_infestans	Phytophthora	GH16_PITG_06976T0	Oomycete	Phin	Phin_06976T0	Phin_06976T0_secreted
GT62	268	PITG_07124T0	151	2.60E-11	166	266	22	107	0.373134328	Phytophthora_infestans	Phytophthora	GT62_PITG_07124T0	Oomycete	Phin	Phin_07124T0	Phin_07124T0
AA2	255	PITG_07143T0	690	2.50E-28	26	253	460	683	0.890196078	Phytophthora_infestans	Phytophthora	AA2_PITG_07143T0	Oomycete	Phin	Phin_07143T0	Phin_07143T0_secreted
AA2	255	PITG_07143T0	690	1.40E-23	13	122	76	187	0.42745098	Phytophthora_infestans	Phytophthora	AA2_PITG_07143T0	Oomycete	Phin	Phin_07143T0	Phin_07143T0_secreted
GT24	248	PITG_07201T0	1632	2.10E-122	1	248	1353	1598	0.995967742	Phytophthora_infestans	Phytophthora	GT24_PITG_07201T0	Oomycete	Phin	Phin_07201T0	Phin_07201T0_secreted
AA8	815	PITG_07303T0	642	5.00E-85	236	773	19	550	0.658895706	Phytophthora_infestans	Phytophthora	AA8_PITG_07303T0	Oomycete	Phin	Phin_07303T0	Phin_07303T0_secreted
GT7	250	PITG_07310T0	298	2.70E-58	30	249	3	238	0.876	Phytophthora_infestans	Phytophthora	GT7_PITG_07310T0	Oomycete	Phin	Phin_07310T0	Phin_07310T0
CE10	341	PITG_07333T0	361	9.30E-29	81	296	143	359	0.630498534	Phytophthora_infestans	Phytophthora	CE10_PITG_07333T0	Oomycete	Phin	Phin_07333T0	Phin_07333T0
CE10	341	PITG_07334T0	322	1.10E-32	86	337	58	309	0.736070381	Phytophthora_infestans	Phytophthora	CE10_PITG_07334T0	Oomycete	Phin	Phin_07334T0	Phin_07334T0
CE10	341	PITG_07354T0	788	7.40E-24	77	308	513	763	0.677419355	Phytophthora_infestans	Phytophthora	CE10_PITG_07354T0	Oomycete	Phin	Phin_07354T0	Phin_07354T0
GH47	446	PITG_07365T0	569	1.30E-108	1	400	145	537	0.894618834	Phytophthora_infestans	Phytophthora	GH47_PITG_07365T0	Oomycete	Phin	Phin_07365T0	Phin_07365T0
CE12	210	PITG_07384T0	247	5.80E-14	2	205	13	205	0.966666667	Phytophthora_infestans	Phytophthora	CE12_PITG_07384T0	Oomycete	Phin	Phin_07384T0	Phin_07384T0
CE12	210	PITG_07434T0	234	1.00E-13	2	205	13	204	0.966666667	Phytophthora_infestans	Phytophthora	CE12_PITG_07434T0	Oomycete	Phin	Phin_07434T0	Phin_07434T0
CBM63	78	PITG_07521T0	317	0.000000034	2	75	94	168	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_07521T0	Oomycete	Phin	Phin_07521T0	Phin_07521T0
CBM63	78	PITG_07522T0	427	0.000000011	2	75	130	204	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_07522T0	Oomycete	Phin	Phin_07522T0	Phin_07522T0
CBM63	78	PITG_07523T0	370	0.000000024	2	75	138	210	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_07523T0	Oomycete	Phin	Phin_07523T0	Phin_07523T0
CE1	227	PITG_07530T0	618	2.30E-09	41	143	302	433	0.449339207	Phytophthora_infestans	Phytophthora	CE1_PITG_07530T0	Oomycete	Phin	Phin_07530T0	Phin_07530T0
CE1	227	PITG_07531T0	637	4.70E-09	56	143	334	452	0.383259912	Phytophthora_infestans	Phytophthora	CE1_PITG_07531T0	Oomycete	Phin	Phin_07531T0	Phin_07531T0
CBM63	78	PITG_07537T0	365	0.000000062	2	75	137	209	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_07537T0	Oomycete	Phin	Phin_07537T0	Phin_07537T0
CE7	313	PITG_07636T0	668	0.000000044	55	166	11	105	0.354632588	Phytophthora_infestans	Phytophthora	CE7_PITG_07636T0	Oomycete	Phin	Phin_07636T0	Phin_07636T0
PL1	202	PITG_07680T0	303	8.50E-30	21	186	121	301	0.816831683	Phytophthora_infestans	Phytophthora	PL1_PITG_07680T0	Oomycete	Phin	Phin_07680T0	Phin_07680T0_secreted
GT31	192	PITG_07926T0	429	4.30E-18	6	186	115	300	0.9375	Phytophthora_infestans	Phytophthora	GT31_PITG_07926T0	Oomycete	Phin	Phin_07926T0	Phin_07926T0_secreted
AA3	618	PITG_07948T0	662	5.10E-75	87	405	65	641	0.514563107	Phytophthora_infestans	Phytophthora	AA3_PITG_07948T0	Oomycete	Phin	Phin_07948T0	Phin_07948T0
CBM13	188	PITG_08000T0	679	9.80E-12	9	103	526	616	0.5	Phytophthora_infestans	Phytophthora	CBM13_PITG_08000T0	Oomycete	Phin	Phin_08000T0	Phin_08000T0
GH30	417	PITG_08000T0	679	6.20E-105	10	362	108	487	0.8441247	Phytophthora_infestans	Phytophthora	GH30_PITG_08000T0	Oomycete	Phin	Phin_08000T0	Phin_08000T0
GH30	417	PITG_08001T0	673	1.60E-102	11	362	101	481	0.841726619	Phytophthora_infestans	Phytophthora	GH30_PITG_08001T0	Oomycete	Phin	Phin_08001T0	Phin_08001T0
GH30	417	PITG_08002T0	585	2.60E-106	10	362	110	489	0.8441247	Phytophthora_infestans	Phytophthora	GH30_PITG_08002T0	Oomycete	Phin	Phin_08002T0	Phin_08002T0
CBM13	188	PITG_08004T0	638	1.20E-10	8	109	483	583	0.537234043	Phytophthora_infestans	Phytophthora	CBM13_PITG_08004T0	Oomycete	Phin	Phin_08004T0	Phin_08004T0
GH30	417	PITG_08004T0	638	3.50E-72	112	362	167	445	0.599520384	Phytophthora_infestans	Phytophthora	GH30_PITG_08004T0	Oomycete	Phin	Phin_08004T0	Phin_08004T0
GH3	216	PITG_08027T0	709	5.00E-69	4	215	31	279	0.976851852	Phytophthora_infestans	Phytophthora	GH3_PITG_08027T0	Oomycete	Phin	Phin_08027T0	Phin_08027T0
CE10	341	PITG_08056T0	376	1.80E-32	74	334	97	347	0.762463343	Phytophthora_infestans	Phytophthora	CE10_PITG_08056T0	Oomycete	Phin	Phin_08056T0	Phin_08056T0
GH30	417	PITG_08191T0	369	1.00E-82	97	411	2	358	0.752997602	Phytophthora_infestans	Phytophthora	GH30_PITG_08191T0	Oomycete	Phin	Phin_08191T0	Phin_08191T0
GT31	192	PITG_08426T0	343	1.30E-14	58	189	99	252	0.682291667	Phytophthora_infestans	Phytophthora	GT31_PITG_08426T0	Oomycete	Phin	Phin_08426T0	Phin_08426T0_secreted
PL1	202	PITG_08555T0	274	1.60E-31	20	163	120	272	0.707920792	Phytophthora_infestans	Phytophthora	PL1_PITG_08555T0	Oomycete	Phin	Phin_08555T0	Phin_08555T0_secreted
PL1	202	PITG_08558T0	778	2.70E-45	16	201	103	302	0.915841584	Phytophthora_infestans	Phytophthora	PL1_PITG_08558T0	Oomycete	Phin	Phin_08558T0	Phin_08558T0
PL1	202	PITG_08558T0	778	1.50E-40	20	200	534	728	0.891089109	Phytophthora_infestans	Phytophthora	PL1_PITG_08558T0	Oomycete	Phin	Phin_08558T0	Phin_08558T0
PL1	202	PITG_08561T0	215	2.10E-43	21	199	14	206	0.881188119	Phytophthora_infestans	Phytophthora	PL1_PITG_08561T0	Oomycete	Phin	Phin_08561T0	Phin_08561T0
PL1	202	PITG_08563T0	316	2.60E-30	45	201	100	272	0.772277228	Phytophthora_infestans	Phytophthora	PL1_PITG_08563T0	Oomycete	Phin	Phin_08563T0	Phin_08563T0_secreted
PL1	202	PITG_08564T0	382	3.30E-18	22	110	156	249	0.435643564	Phytophthora_infestans	Phytophthora	PL1_PITG_08564T0	Oomycete	Phin	Phin_08564T0	Phin_08564T0_secreted
CE4	130	PITG_08590T0	280	3.10E-19	9	127	59	201	0.907692308	Phytophthora_infestans	Phytophthora	CE4_PITG_08590T0	Oomycete	Phin	Phin_08590T0	Phin_08590T0
GH5	275	PITG_08610T0	578	3.40E-31	3	240	179	529	0.861818182	Phytophthora_infestans	Phytophthora	GH5_PITG_08610T0	Oomycete	Phin	Phin_08610T0	Phin_08610T0
GH5	275	PITG_08611T0	582	3.90E-32	3	237	171	521	0.850909091	Phytophthora_infestans	Phytophthora	GH5_PITG_08611T0	Oomycete	Phin	Phin_08611T0	Phin_08611T0
GH5	275	PITG_08612T0	574	2.50E-31	3	238	170	522	0.854545455	Phytophthora_infestans	Phytophthora	GH5_PITG_08612T0	Oomycete	Phin	Phin_08612T0	Phin_08612T0
GH5	275	PITG_08613T0	582	1.10E-31	3	240	175	528	0.861818182	Phytophthora_infestans	Phytophthora	GH5_PITG_08613T0	Oomycete	Phin	Phin_08613T0	Phin_08613T0
AA9	220	PITG_08631T0	330	0.000000096	50	198	39	187	0.672727273	Phytophthora_infestans	Phytophthora	AA9_PITG_08631T0	Oomycete	Phin	Phin_08631T0	Phin_08631T0_secreted
PL3	197	PITG_08632T0	234	8.50E-64	2	196	8	206	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_08632T0	Oomycete	Phin	Phin_08632T0	Phin_08632T0
PL3	197	PITG_08633T0	156	7.20E-31	2	91	31	122	0.45177665	Phytophthora_infestans	Phytophthora	PL3_PITG_08633T0	Oomycete	Phin	Phin_08633T0	Phin_08633T0_secreted
PL3	197	PITG_08634T0	153	1.00E-54	25	173	1	150	0.751269036	Phytophthora_infestans	Phytophthora	PL3_PITG_08634T0	Oomycete	Phin	Phin_08634T0	Phin_08634T0
PL3	197	PITG_08635T0	185	1.50E-47	62	196	20	158	0.680203046	Phytophthora_infestans	Phytophthora	PL3_PITG_08635T0	Oomycete	Phin	Phin_08635T0	Phin_08635T0
PL3	197	PITG_08638T0	173	6.40E-59	25	186	1	162	0.817258883	Phytophthora_infestans	Phytophthora	PL3_PITG_08638T0	Oomycete	Phin	Phin_08638T0	Phin_08638T0
PL3	197	PITG_08646T0	174	6.30E-60	25	189	1	166	0							

CE8	288	PITG_08902T0	901	4.00E-57	84	277	691	881	0.670138889	Phytophthora_infestans	Phytophthora	CE8_PITG_08902T0	Oomycete	Phin	Phin_08902T0	Phin_08902T0
CE8	288	PITG_08910T0	234	1.90E-55	105	273	45	210	0.583333333	Phytophthora_infestans	Phytophthora	CE8_PITG_08910T0	Oomycete	Phin	Phin_08910T0	Phin_08910T0
CE8	288	PITG_08911T0	193	1.60E-52	93	276	1	172	0.635416667	Phytophthora_infestans	Phytophthora	CE8_PITG_08911T0	Oomycete	Phin	Phin_08911T0	Phin_08911T0
CE8	288	PITG_08912T0	351	1.90E-71	8	274	48	328	0.923611111	Phytophthora_infestans	Phytophthora	CE8_PITG_08912T0	Oomycete	Phin	Phin_08912T0	Phin_08912T0_secreted
CE8	288	PITG_08914T0	269	4.30E-38	28	170	9	166	0.493055556	Phytophthora_infestans	Phytophthora	CE8_PITG_08914T0	Oomycete	Phin	Phin_08914T0	Phin_08914T0
GH12	156	PITG_08944T0	240	7.90E-39	2	156	91	239	0.987179487	Phytophthora_infestans	Phytophthora	GH12_PITG_08944T0	Oomycete	Phin	Phin_08944T0	Phin_08944T0_secreted
GH5	275	PITG_08998T0	368	3.70E-44	8	239	16	338	0.84	Phytophthora_infestans	Phytophthora	GH5_PITG_08998T0	Oomycete	Phin	Phin_08998T0	Phin_08998T0
GH72	312	PITG_08999T0	452	9.30E-11	10	148	15	152	0.442307692	Phytophthora_infestans	Phytophthora	GH72_PITG_08999T0	Oomycete	Phin	Phin_08999T0	Phin_08999T0
GH30	417	PITG_09101T0	440	5.70E-104	28	416	1	431	0.930455636	Phytophthora_infestans	Phytophthora	GH30_PITG_09101T0	Oomycete	Phin	Phin_09101T0	Phin_09101T0
GH5	275	PITG_09185T0	483	2.20E-29	7	239	35	348	0.843636364	Phytophthora_infestans	Phytophthora	GH5_PITG_09185T0	Oomycete	Phin	Phin_09185T0	Phin_09185T0_secreted
GH5	275	PITG_09192T0	308	8.30E-29	59	235	36	276	0.64	Phytophthora_infestans	Phytophthora	GH5_PITG_09192T0	Oomycete	Phin	Phin_09192T0	Phin_09192T0
PL3	197	PITG_09254T0	261	8.70E-72	2	196	38	233	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_09254T0	Oomycete	Phin	Phin_09254T0	Phin_09254T0_secreted
PL3	197	PITG_09255T0	134	1.20E-45	49	142	2	96	0.472081218	Phytophthora_infestans	Phytophthora	PL3_PITG_09255T0	Oomycete	Phin	Phin_09255T0	Phin_09255T0
PL3	197	PITG_09256T0	231	2.30E-69	2	194	8	201	0.974619289	Phytophthora_infestans	Phytophthora	PL3_PITG_09256T0	Oomycete	Phin	Phin_09256T0	Phin_09256T0
PL3	197	PITG_09257T0	246	3.80E-62	2	155	38	192	0.776649746	Phytophthora_infestans	Phytophthora	PL3_PITG_09257T0	Oomycete	Phin	Phin_09257T0	Phin_09257T0_secreted
PL3	197	PITG_09258T0	132	9.20E-41	66	167	2	103	0.512690355	Phytophthora_infestans	Phytophthora	PL3_PITG_09258T0	Oomycete	Phin	Phin_09258T0	Phin_09258T0
PL3	197	PITG_09259T0	217	3.00E-57	2	196	8	189	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_09259T0	Oomycete	Phin	Phin_09259T0	Phin_09259T0
GT1	382	PITG_09296T0	2195	3.90E-53	95	375	964	1275	0.732984293	Phytophthora_infestans	Phytophthora	GT1_PITG_09296T0	Oomycete	Phin	Phin_09296T0	Phin_09296T0
GT1	382	PITG_09296T0	2195	2.00E-51	103	377	280	585	0.717277487	Phytophthora_infestans	Phytophthora	GT1_PITG_09296T0	Oomycete	Phin	Phin_09296T0	Phin_09296T0
GT1	382	PITG_09296T0	2195	3.80E-11	152	375	1760	2023	0.583769634	Phytophthora_infestans	Phytophthora	GT1_PITG_09296T0	Oomycete	Phin	Phin_09296T0	Phin_09296T0
GH31	427	PITG_09361T0	457	0.00000024	263	422	280	427	0.37236534	Phytophthora_infestans	Phytophthora	GH31_PITG_09361T0	Oomycete	Phin	Phin_09361T0	Phin_09361T0
GT1	382	PITG_09367T0	1401	1.40E-49	92	375	154	469	0.740837696	Phytophthora_infestans	Phytophthora	GT1_PITG_09367T0	Oomycete	Phin	Phin_09367T0	Phin_09367T0
GT1	382	PITG_09367T0	1401	7.00E-15	121	375	936	1227	0.664921466	Phytophthora_infestans	Phytophthora	GT1_PITG_09367T0	Oomycete	Phin	Phin_09367T0	Phin_09367T0
GT31	192	PITG_09375T0	1423	0.00000045	53	139	162	235	0.447916667	Phytophthora_infestans	Phytophthora	GT31_PITG_09375T0	Oomycete	Phin	Phin_09375T0	Phin_09375T0
GH47	446	PITG_09377T0	719	1.60E-132	1	444	16	519	0.993273543	Phytophthora_infestans	Phytophthora	GH47_PITG_09377T0	Oomycete	Phin	Phin_09377T0	Phin_09377T0
GT20	475	PITG_09389T0	1224	7.70E-129	5	475	236	737	0.989473684	Phytophthora_infestans	Phytophthora	GT20_PITG_09389T0	Oomycete	Phin	Phin_09389T0	Phin_09389T0
GT1	382	PITG_09412T0	1318	2.60E-47	90	376	114	431	0.7486911	Phytophthora_infestans	Phytophthora	GT1_PITG_09412T0	Oomycete	Phin	Phin_09412T0	Phin_09412T0
GT1	382	PITG_09413T0	1509	6.80E-52	93	375	245	558	0.738219895	Phytophthora_infestans	Phytophthora	GT1_PITG_09413T0	Oomycete	Phin	Phin_09413T0	Phin_09413T0
GT1	382	PITG_09413T0	1509	1.50E-13	196	374	1090	1311	0.465968586	Phytophthora_infestans	Phytophthora	GT1_PITG_09413T0	Oomycete	Phin	Phin_09413T0	Phin_09413T0
PL1	202	PITG_09457T0	329	3.50E-38	16	201	116	316	0.915841584	Phytophthora_infestans	Phytophthora	PL1_PITG_09457T0	Oomycete	Phin	Phin_09457T0	Phin_09457T0_secreted
PL1	202	PITG_09465T0	401	1.20E-34	21	201	122	303	0.891089109	Phytophthora_infestans	Phytophthora	PL1_PITG_09465T0	Oomycete	Phin	Phin_09465T0	Phin_09465T0_secreted
PL1	202	PITG_09466T0	200	1.00E-22	92	201	2	123	0.53960396	Phytophthora_infestans	Phytophthora	PL1_PITG_09466T0	Oomycete	Phin	Phin_09466T0	Phin_09466T0
GH43	248	PITG_09469T0	150	9.70E-15	103	192	14	122	0.358870968	Phytophthora_infestans	Phytophthora	GH43_PITG_09469T0	Oomycete	Phin	Phin_09469T0	Phin_09469T0
GH43	248	PITG_09470T0	313	3.70E-40	12	247	33	311	0.947580645	Phytophthora_infestans	Phytophthora	GH43_PITG_09470T0	Oomycete	Phin	Phin_09470T0	Phin_09470T0_secreted
GH43	248	PITG_09476T0	299	7.70E-31	44	226	40	274	0.733870968	Phytophthora_infestans	Phytophthora	GH43_PITG_09476T0	Oomycete	Phin	Phin_09476T0	Phin_09476T0
GT45	115	PITG_09478T0	427	0.000016	32	98	199	267	0.573913044	Phytophthora_infestans	Phytophthora	GT45_PITG_09478T0	Oomycete	Phin	Phin_09478T0	Phin_09478T0
GT71	264	PITG_09666T0	381	6.70E-45	7	257	2	262	0.946969697	Phytophthora_infestans	Phytophthora	GT71_PITG_09666T0	Oomycete	Phin	Phin_09666T0	Phin_09666T0
GT22	389	PITG_09751T0	567	7.60E-64	2	364	4	435	0.93059126	Phytophthora_infestans	Phytophthora	GT22_PITG_09751T0	Oomycete	Phin	Phin_09751T0	Phin_09751T0
CBM43	83	PITG_09798T0	694	9.40E-16	1	75	571	641	0.891566265	Phytophthora_infestans	Phytophthora	CBM43_PITG_09798T0	Oomycete	Phin	Phin_09798T0	Phin_09798T0
GH5	275	PITG_09798T0	694	6.70E-32	29	219	164	436	0.690909091	Phytophthora_infestans	Phytophthora	GH5_PITG_09798T0	Oomycete	Phin	Phin_09798T0	Phin_09798T0
CBM43	83	PITG_09799T0	692	8.10E-17	1	75	560	632	0.891566265	Phytophthora_infestans	Phytophthora	CBM43_PITG_09799T0	Oomycete	Phin	Phin_09799T0	Phin_09799T0
GH5	275	PITG_09799T0	692	1.50E-32	27	219	145	422	0.698181818	Phytophthora_infestans	Phytophthora	GH5_PITG_09799T0	Oomycete	Phin	Phin_09799T0	Phin_09799T0
PL3	197	PITG_09821T0	103	3.70E-24	25	106	1	82	0.411167513	Phytophthora_infestans	Phytophthora	PL3_PITG_09821T0	Oomycete	Phin	Phin_09821T0	Phin_09821T0
CBM32	124	PITG_09833T0	229	1.20E-11	13	110	53	177	0.782258065	Phytophthora_infestans	Phytophthora	CBM32_PITG_09833T0	Oomycete	Phin	Phin_09833T0	Phin_09833T0_secreted
GH5	275	PITG_09872T0	639	3.20E-39	7	237	163	518	0.836363636	Phytophthora_infestans	Phytophthora	GH5_PITG_09872T0	Oomycete	Phin	Phin_09872T0	Phin_09872T0
GH53	342	PITG_09906T0	324	9.40E-81	14	332	4	305	0.929824561	Phytophthora_infestans	Phytophthora	GH53_PITG_09906T0	Oomycete	Phin	Phin_09906T0	Phin_09906T0
GH53	342	PITG_09907T0	284	1.40E-68	1	253	26	278	0.736842105	Phytophthora_infestans	Phytophthora	GH53_PITG_09907T0	Oomycete	Phin	Phin_09907T0	Phin_09907T0_secreted
GH53	342	PITG_09910T0	358	7.10E-79	2	332	26	339	0.964912281	Phytophthora_infestans	Phytophthora	GH53_PITG_09910T0	Oomycete	Phin	Phin_09910T0	Phin_09910T0_secreted
GT2	168	PITG_09937T0	240	1.20E-43	1	168	8	178	0.994047619	Phytophthora_infestans	Phytophthora	GT2_PITG_09937T0	Oomycete	Phin	Phin_09937T0	Phin_09937T0
GT2	168	PITG_09963T0	1081	1.50E-10	2	108	403	590	0.630952381	Phytophthora_infestans	Phytophthora	GT2_PITG_09963T0	Oomycete	Phin	Phin_09963T0	Phin_09963T0
GT2	168	PITG_09963T0	1081	0.00000001	105	168	702	765	0.375	Phytophthora_infestans	Phytophthora	GT2_PITG_09963T0	Oomycete	Phin	Phin_09963T0	Phin_09963T0
GT2	168	PITG_09964T0	1026	6.40E-12	2	108	347	534	0.630952381	Phytophthora_infestans	Phytophthora	GT2_PITG_09964T0	Oomycete	Phin	Phin_09964T0	Phin_09964T0
GT2	168	PITG_09964T0	1026	0.000000035	105	168	645	708	0.375	Phytophthora_infestans	Phytophthora	GT2_PITG_09964T0	Oomycete	Phin	Phin_09964T0	Phin_09964T0
GH89	663	PITG_10027T0	684	1.20E-216	15	661	1	664	0.974358974	Phytophthora_infestans	Phytophthora	GH89_PITG_10027T0	Oomycete	Phin	Phin_10027T0	Phin_10027T0
GH38	269	PITG_10031T0	1023	7.80E-73	1	268	45	346	0.992565056	Phytophthora_infestans	Phytophthora	GH38_PITG_10031T0	Oomycete	Phin	Phin_10031T0	Phin_10031T0_secreted
GH89	663	PITG_10050T0	736	3.00E-201	2	661	63	714	0.993966818	Phytophthora_infestans	Phytophthora	GH89_PITG_10050T0	Oomycete	Phin	Phin_10050T0	Phin_10050T0
CBM47	128	PITG_10061T0	731	3.40E-18	7	128	476	613	0.9453125	Phytophthora_infestans	Phytophthora	CBM47_PITG_10061T0	Oomycete	Phin	Phin_10061T0	Phin_10061T0
GH47	446	PITG_10149T0	504	6.30E-114	1	445	66	501	0.995515695	Phytophthora_infestans	Phytophthora	GH47_PITG_10149T0	Oomycete	Phin	Phin_10149T0	Phin_10149T0_secreted
GH7	415	PITG_10204T0	464	2.10E-178	1	414	26	464	0.995180723	Phytophthora_infestans	Phytophthora	GH7_PITG_10204T0	Oomycete	Phin	Phin_10204T0	Phin_10204T0_secreted
CBM43	83	PITG_10217T0	621	7.00E-17	1	75	482	554	0.891566265	Phytophthora_infestans	Phytophthora	CBM43_PITG_10217T0	Oomycete	Phin	Phin_10217T0	Phin_10217T0
GH5	275	PITG_10218T0	618	5.70E-32	29	219	193	465	0.690909091	Phytophthora_infestans	Phytophthora	GH5_PITG_10218T0	Oomycete	Phin	Phin_10218T0	Phin_10218T0_secreted
GH28	325	PITG_10255T0	379	2.20E-61	6	307	64	367	0.926153846	Phytophthora_infestans	Phytophthora	GH28_PITG_10255T0	Oomycete	Phin	Phin_10255T0	Phin_10255T0_secreted
CBM47	128	PITG_10262T0	1427	0.000000044	24	120	1041	1152	0.75	Phytophthora_infestans	Phytophthora	CBM47_PITG_10262T0	Oomycete	Phin	Phin_10262T0	Phin_10262T0
CBM1	29	PITG_10269T0	156	0.00023	4	23	44	64	0.655172414	Phytophthora_infestans	Phytophthora	CBM1_PITG_10269T0	Oomycete	Phin	Phin_10269T0	Phin_10269T0_secreted
CBM1	29	PITG_10284T0	384	0.00037	8	27	274	293	0.655172414	Phytophthora_infestans	Phytophthora	CBM1_PITG_10284T0	Oomycete	Phin	Phin_10284T0	Phin_10284T0_secreted
GT41	705	PITG_10344T0	744	1.30E												

GH16	189	PITG_10657T0	587	9.40E-12	122	189	275	412	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10657T0	Oomycete	Phin	Phin_10657T0	Phin_10657T0
CBM63	78	PITG_10695T0	246	3.70E-09	2	74	140	213	0.923076923	Phytophthora_infestans	Phytophthora	CBM63_PITG_10695T0	Oomycete	Phin	Phin_10695T0	Phin_10695T0_secreted
CBM63	78	PITG_10701T0	534	7.20E-09	2	75	137	211	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_10701T0	Oomycete	Phin	Phin_10701T0	Phin_10701T0
CBM63	78	PITG_10702T0	223	0.000000022	4	72	141	208	0.871794872	Phytophthora_infestans	Phytophthora	CBM63_PITG_10702T0	Oomycete	Phin	Phin_10702T0	Phin_10702T0_secreted
CBM63	78	PITG_10703T0	440	0.0000026	4	72	194	260	0.871794872	Phytophthora_infestans	Phytophthora	CBM63_PITG_10703T0	Oomycete	Phin	Phin_10703T0	Phin_10703T0_secreted
CBM63	78	PITG_10705T0	310	0.000000034	4	73	179	247	0.884615385	Phytophthora_infestans	Phytophthora	CBM63_PITG_10705T0	Oomycete	Phin	Phin_10705T0	Phin_10705T0
GH7	415	PITG_10714T0	279	3.10E-50	64	189	17	140	0.301204819	Phytophthora_infestans	Phytophthora	GH7_PITG_10714T0	Oomycete	Phin	Phin_10714T0	Phin_10714T0
GH7	415	PITG_10714T0	279	4.10E-28	254	384	142	275	0.313253012	Phytophthora_infestans	Phytophthora	GH7_PITG_10714T0	Oomycete	Phin	Phin_10714T0	Phin_10714T0
GH16	189	PITG_10738T0	412	0.00000016	3	100	56	226	0.513227513	Phytophthora_infestans	Phytophthora	GH16_PITG_10738T0	Oomycete	Phin	Phin_10738T0	Phin_10738T0
GH16	189	PITG_10743T0	1719	0.000000047	122	189	367	507	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10743T0	Oomycete	Phin	Phin_10743T0	Phin_10743T0
GH16	189	PITG_10743T0	1719	0.00000013	4	91	3	160	0.46031746	Phytophthora_infestans	Phytophthora	GH16_PITG_10743T0	Oomycete	Phin	Phin_10743T0	Phin_10743T0
GH16	189	PITG_10751T0	244	0.00000069	4	91	63	220	0.46031746	Phytophthora_infestans	Phytophthora	GH16_PITG_10751T0	Oomycete	Phin	Phin_10751T0	Phin_10751T0_secreted
GH16	189	PITG_10755T0	203	0.000000051	10	100	16	172	0.476190476	Phytophthora_infestans	Phytophthora	GH16_PITG_10755T0	Oomycete	Phin	Phin_10755T0	Phin_10755T0
GH16	189	PITG_10756T0	557	0.000000019	122	189	383	506	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10756T0	Oomycete	Phin	Phin_10756T0	Phin_10756T0
GH16	189	PITG_10756T0	557	0.00000027	4	90	3	171	0.455026455	Phytophthora_infestans	Phytophthora	GH16_PITG_10756T0	Oomycete	Phin	Phin_10756T0	Phin_10756T0
GH16	189	PITG_10757T0	724	0.000000001	122	189	431	564	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10757T0	Oomycete	Phin	Phin_10757T0	Phin_10757T0
GH16	189	PITG_10757T0	724	0.00000019	4	92	61	220	0.465608466	Phytophthora_infestans	Phytophthora	GH16_PITG_10757T0	Oomycete	Phin	Phin_10757T0	Phin_10757T0
GH16	189	PITG_10758T0	760	4.80E-09	122	189	436	570	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10758T0	Oomycete	Phin	Phin_10758T0	Phin_10758T0
GH16	189	PITG_10758T0	760	0.0000009	4	92	69	228	0.465608466	Phytophthora_infestans	Phytophthora	GH16_PITG_10758T0	Oomycete	Phin	Phin_10758T0	Phin_10758T0
GH16	189	PITG_10759T0	750	0.000000016	122	189	440	569	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10759T0	Oomycete	Phin	Phin_10759T0	Phin_10759T0
GH16	189	PITG_10759T0	750	0.00000002	4	99	66	234	0.502645503	Phytophthora_infestans	Phytophthora	GH16_PITG_10759T0	Oomycete	Phin	Phin_10759T0	Phin_10759T0
GH16	189	PITG_10760T0	1776	0.000000022	122	189	1460	1583	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10760T0	Oomycete	Phin	Phin_10760T0	Phin_10760T0
GH16	189	PITG_10760T0	1776	0.00000012	4	142	1082	1311	0.73015873	Phytophthora_infestans	Phytophthora	GH16_PITG_10760T0	Oomycete	Phin	Phin_10760T0	Phin_10760T0
GH16	189	PITG_10765T0	701	1.50E-11	122	189	402	536	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_10765T0	Oomycete	Phin	Phin_10765T0	Phin_10765T0
GT22	389	PITG_10838T0	508	1.10E-83	4	363	12	406	0.922879177	Phytophthora_infestans	Phytophthora	GT22_PITG_10838T0	Oomycete	Phin	Phin_10838T0	Phin_10838T0
GH31	427	PITG_10846T0	1149	3.00E-127	2	427	378	913	0.995316159	Phytophthora_infestans	Phytophthora	GH31_PITG_10846T0	Oomycete	Phin	Phin_10846T0	Phin_10846T0
CE10	341	PITG_10850T0	713	4.80E-43	93	332	457	705	0.700879765	Phytophthora_infestans	Phytophthora	CE10_PITG_10850T0	Oomycete	Phin	Phin_10850T0	Phin_10850T0
GH28	325	PITG_10880T0	418	1.50E-45	6	304	128	409	0.916923077	Phytophthora_infestans	Phytophthora	GH28_PITG_10880T0	Oomycete	Phin	Phin_10880T0	Phin_10880T0_secreted
GT2	168	PITG_10915T0	563	0.00045	38	106	153	224	0.404761905	Phytophthora_infestans	Phytophthora	GT2_PITG_10915T0	Oomycete	Phin	Phin_10915T0	Phin_10915T0
CE10	341	PITG_10932T0	787	3.90E-09	67	213	531	696	0.428152493	Phytophthora_infestans	Phytophthora	CE10_PITG_10932T0	Oomycete	Phin	Phin_10932T0	Phin_10932T0
GH81	622	PITG_10999T0	745	1.40E-166	17	621	73	740	0.971061093	Phytophthora_infestans	Phytophthora	GH81_PITG_10999T0	Oomycete	Phin	Phin_10999T0	Phin_10999T0_secreted
GH81	622	PITG_11050T0	779	1.90E-179	12	621	97	772	0.979099679	Phytophthora_infestans	Phytophthora	GH81_PITG_11050T0	Oomycete	Phin	Phin_11050T0	Phin_11050T0_secreted
GH81	622	PITG_11052T0	694	5.80E-179	12	621	12	687	0.979099679	Phytophthora_infestans	Phytophthora	GH81_PITG_11052T0	Oomycete	Phin	Phin_11052T0	Phin_11052T0
CE1	227	PITG_11087T0	527	5.90E-17	8	208	196	502	0.881057269	Phytophthora_infestans	Phytophthora	CE1_PITG_11087T0	Oomycete	Phin	Phin_11087T0	Phin_11087T0
GH31	427	PITG_11112T0	328	4.90E-63	251	427	1	185	0.412177986	Phytophthora_infestans	Phytophthora	GH31_PITG_11112T0	Oomycete	Phin	Phin_11112T0	Phin_11112T0_secreted
GT41	705	PITG_11215T0	507	6.00E-12	28	260	132	358	0.329078014	Phytophthora_infestans	Phytophthora	GT41_PITG_11215T0	Oomycete	Phin	Phin_11215T0	Phin_11215T0
GT62	268	PITG_11398T0	447	1.40E-25	19	198	176	347	0.667910448	Phytophthora_infestans	Phytophthora	GT62_PITG_11398T0	Oomycete	Phin	Phin_11398T0	Phin_11398T0
GH47	446	PITG_11537T0	576	1.80E-125	1	446	145	572	0.997757848	Phytophthora_infestans	Phytophthora	GH47_PITG_11537T0	Oomycete	Phin	Phin_11537T0	Phin_11537T0
GH16	189	PITG_11558T0	676	0.000000019	122	189	369	502	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_11558T0	Oomycete	Phin	Phin_11558T0	Phin_11558T0
GH16	189	PITG_11558T0	676	0.000000029	4	100	3	205	0.507936508	Phytophthora_infestans	Phytophthora	GH16_PITG_11558T0	Oomycete	Phin	Phin_11558T0	Phin_11558T0
GH105	332	PITG_11632T0	370	1.10E-47	19	332	29	367	0.942771084	Phytophthora_infestans	Phytophthora	GH105_PITG_11632T0	Oomycete	Phin	Phin_11632T0	Phin_11632T0
GT33	425	PITG_11648T0	653	1.00E-157	7	411	1	423	0.950588235	Phytophthora_infestans	Phytophthora	GT33_PITG_11648T0	Oomycete	Phin	Phin_11648T0	Phin_11648T0
CBM1	29	PITG_11696T0	136	0.000074	3	27	61	83	0.827586207	Phytophthora_infestans	Phytophthora	CBM1_PITG_11696T0	Oomycete	Phin	Phin_11696T0	Phin_11696T0_secreted
GH31	427	PITG_11712T0	1022	4.00E-144	2	427	406	879	0.995316159	Phytophthora_infestans	Phytophthora	GH31_PITG_11712T0	Oomycete	Phin	Phin_11712T0	Phin_11712T0_secreted
CE1	227	PITG_11920T0	320	0.0000002	30	143	35	184	0.497797357	Phytophthora_infestans	Phytophthora	CE1_PITG_11920T0	Oomycete	Phin	Phin_11920T0	Phin_11920T0
CE11	271	PITG_11976T0	313	3.80E-78	1	270	5	303	0.992619926	Phytophthora_infestans	Phytophthora	CE11_PITG_11976T0	Oomycete	Phin	Phin_11976T0	Phin_11976T0
GH123	538	PITG_11981T0	784	8.30E-62	107	510	232	734	0.749070632	Phytophthora_infestans	Phytophthora	GH123_PITG_11981T0	Oomycete	Phin	Phin_11981T0	Phin_11981T0
GH5	275	PITG_11993T0	538	2.00E-38	4	240	34	348	0.858181818	Phytophthora_infestans	Phytophthora	GH5_PITG_11993T0	Oomycete	Phin	Phin_11993T0	Phin_11993T0
CE1	227	PITG_12144T0	493	0.000000038	58	143	228	389	0.374449339	Phytophthora_infestans	Phytophthora	CE1_PITG_12144T0	Oomycete	Phin	Phin_12144T0	Phin_12144T0
GH30	417	PITG_12339T0	482	4.80E-63	9	416	22	475	0.976019185	Phytophthora_infestans	Phytophthora	GH30_PITG_12339T0	Oomycete	Phin	Phin_12339T0	Phin_12339T0_secreted
GH6	294	PITG_12344T0	316	6.80E-60	14	288	43	295	0.931972789	Phytophthora_infestans	Phytophthora	GH6_PITG_12344T0	Oomycete	Phin	Phin_12344T0	Phin_12344T0_secreted
CE5	189	PITG_12361T0	215	3.70E-51	1	183	26	200	0.962962963	Phytophthora_infestans	Phytophthora	CE5_PITG_12361T0	Oomycete	Phin	Phin_12361T0	Phin_12361T0_secreted
CE5	189	PITG_12401T0	215	4.80E-51	1	183	26	200	0.962962963	Phytophthora_infestans	Phytophthora	CE5_PITG_12401T0	Oomycete	Phin	Phin_12401T0	Phin_12401T0_secreted
CE5	189	PITG_12422T0	215	9.20E-51	1	183	26	200	0.962962963	Phytophthora_infestans	Phytophthora	CE5_PITG_12422T0	Oomycete	Phin	Phin_12422T0	Phin_12422T0_secreted
AA6	195	PITG_12444T0	200	3.80E-70	1	165	3	167	0.841025641	Phytophthora_infestans	Phytophthora	AA6_PITG_12444T0	Oomycete	Phin	Phin_12444T0	Phin_12444T0
CBM32	124	PITG_12529T0	143	0.00000019	10	105	19	118	0.766129032	Phytophthora_infestans	Phytophthora	CBM32_PITG_12529T0	Oomycete	Phin	Phin_12529T0	Phin_12529T0
CBM47	128	PITG_12547T0	6720	0.000052	8	78	937	1009	0.546875	Phytophthora_infestans	Phytophthora	CBM47_PITG_12547T0	Oomycete	Phin	Phin_12547T0	Phin_12547T0
CBM47	128	PITG_12547T0	6720	0.000019	3	56	1127	1192	0.4140625	Phytophthora_infestans	Phytophthora	CBM47_PITG_12547T0	Oomycete	Phin	Phin_12547T0	Phin_12547T0
dockerin	21	PITG_12598T0	415	0.000066	3	16	332	345	0.619047619	Phytophthora_infestans	Phytophthora	dockerin_PITG_12598T0	Oomycete	Phin	Phin_12598T0	Phin_12598T0_secreted
PL3	197	PITG_12828T0	262	4.70E-69	3	196	39	233	0.979695432	Phytophthora_infestans	Phytophthora	PL3_PITG_12828T0	Oomycete	Phin	Phin_12828T0	Phin_12828T0_secreted
PL3	197	PITG_12829T0	262	4.70E-69	3	196	39	233	0.979695432	Phytophthora_infestans	Phytophthora	PL3_PITG_12829T0	Oomycete	Phin	Phin_12829T0	Phin_12829T0_secreted
CE5	189	PITG_12832T0	217	2.00E-52	1	186	27	205	0.978835979	Phytophthora_infestans	Phytophthora	CE5_PITG_12832T0	Oomycete	Phin	Phin_12832T0	Phin_12832T0_secreted
GT71	264	PITG_13024T0	480	1.40E-47	2	262	89	384	0.984848485	Phytophthora_infestans	Phytophthora	GT71_PITG_13024T0	Oomycete	Phin	Phin_13024T0	Phin_13024T0
GT71	264	PITG_13042T0	1923	1.40E-42	2	260	1540	1835	0.977272727	Phytophthora_infestans	Phytophthora	GT71_PITG_13042T0	Oomycete	Phin	Phin_13042T0	Phin_13042T0
GT71	264	PITG_13042T0	1923	1.20E-41	2	262	601	906	0.984848485	Phytophthora_infestans	Phytophthora	GT71_PITG_13042T0	Oomycete	Phin	Phin_13042T0	Phin_13042T0

CBM47	128	PITG_13245T0	952	6.90E-15	2	59	109	173	0.4453125	Phytophthora_infestans	Phytophthora	CBM47_PITG_13245T0	Oomycete	Phin	Phin_13245T0	Phin_13245T0
AA6	195	PITG_13259T0	313	1.70E-16	4	140	119	238	0.697435897	Phytophthora_infestans	Phytophthora	AA6_PITG_13259T0	Oomycete	Phin	Phin_13259T0	Phin_13259T0
GT57	481	PITG_13291T0	296	1.90E-63	215	478	1	273	0.546777547	Phytophthora_infestans	Phytophthora	GT57_PITG_13291T0	Oomycete	Phin	Phin_13291T0	Phin_13291T0
GH81	622	PITG_13322T0	793	4.90E-177	17	621	116	787	0.971061093	Phytophthora_infestans	Phytophthora	GH81_PITG_13322T0	Oomycete	Phin	Phin_13322T0	Phin_13322T0
GT4	160	PITG_13413T0	472	3.20E-09	70	139	325	393	0.43125	Phytophthora_infestans	Phytophthora	GT4_PITG_13413T0	Oomycete	Phin	Phin_13413T0	Phin_13413T0
CBM9	182	PITG_13483T0	481	5.10E-28	2	132	38	203	0.714285714	Phytophthora_infestans	Phytophthora	CBM9_PITG_13483T0	Oomycete	Phin	Phin_13483T0	Phin_13483T0
GH12	156	PITG_13560T0	205	1.20E-23	3	95	95	185	0.58974359	Phytophthora_infestans	Phytophthora	GH12_PITG_13560T0	Oomycete	Phin	Phin_13560T0	Phin_13560T0_secreted
GH81	622	PITG_13566T0	509	1.10E-52	14	328	10	365	0.504823151	Phytophthora_infestans	Phytophthora	GH81_PITG_13566T0	Oomycete	Phin	Phin_13566T0	Phin_13566T0
GH81	622	PITG_13567T0	899	7.10E-170	13	621	223	884	0.977491961	Phytophthora_infestans	Phytophthora	GH81_PITG_13567T0	Oomycete	Phin	Phin_13567T0	Phin_13567T0
GH81	622	PITG_13569T0	804	5.60E-170	13	621	128	789	0.977491961	Phytophthora_infestans	Phytophthora	GH81_PITG_13569T0	Oomycete	Phin	Phin_13569T0	Phin_13569T0
GH81	622	PITG_13571T0	782	1.10E-151	13	621	123	767	0.977491961	Phytophthora_infestans	Phytophthora	GH81_PITG_13571T0	Oomycete	Phin	Phin_13571T0	Phin_13571T0
GH31	427	PITG_13582T0	606	1.50E-20	240	382	450	602	0.332552693	Phytophthora_infestans	Phytophthora	GH31_PITG_13582T0	Oomycete	Phin	Phin_13582T0	Phin_13582T0
GH31	427	PITG_13582T0	606	1.50E-18	6	210	214	449	0.477751756	Phytophthora_infestans	Phytophthora	GH31_PITG_13582T0	Oomycete	Phin	Phin_13582T0	Phin_13582T0
CBM50	40	PITG_13716T0	336	0.000000002	1	39	29	75	0.95	Phytophthora_infestans	Phytophthora	CBM50_PITG_13716T0	Oomycete	Phin	Phin_13716T0	Phin_13716T0
CBM50	40	PITG_13716T0	336	0.000000042	1	39	264	310	0.95	Phytophthora_infestans	Phytophthora	CBM50_PITG_13716T0	Oomycete	Phin	Phin_13716T0	Phin_13716T0
CBM50	40	PITG_13716T0	336	0.00000081	1	37	98	142	0.9	Phytophthora_infestans	Phytophthora	CBM50_PITG_13716T0	Oomycete	Phin	Phin_13716T0	Phin_13716T0
GT20	475	PITG_13721T0	1207	7.10E-108	11	330	86	424	0.671578947	Phytophthora_infestans	Phytophthora	GT20_PITG_13721T0	Oomycete	Phin	Phin_13721T0	Phin_13721T0
GT20	475	PITG_13721T0	1207	3.30E-64	326	474	502	702	0.311578947	Phytophthora_infestans	Phytophthora	GT20_PITG_13721T0	Oomycete	Phin	Phin_13721T0	Phin_13721T0
GH18	296	PITG_13722T0	199	5.80E-22	88	279	3	190	0.64527027	Phytophthora_infestans	Phytophthora	GH18_PITG_13722T0	Oomycete	Phin	Phin_13722T0	Phin_13722T0
AA6	195	PITG_13737T0	199	4.20E-84	1	195	3	197	0.994871795	Phytophthora_infestans	Phytophthora	AA6_PITG_13737T0	Oomycete	Phin	Phin_13737T0	Phin_13737T0
AA6	195	PITG_13761T0	200	1.10E-84	1	195	3	197	0.994871795	Phytophthora_infestans	Phytophthora	AA6_PITG_13761T0	Oomycete	Phin	Phin_13761T0	Phin_13761T0
AA6	195	PITG_13762T0	200	5.60E-84	1	195	3	197	0.994871795	Phytophthora_infestans	Phytophthora	AA6_PITG_13762T0	Oomycete	Phin	Phin_13762T0	Phin_13762T0
AA6	195	PITG_13763T0	200	2.10E-84	2	195	4	197	0.98974359	Phytophthora_infestans	Phytophthora	AA6_PITG_13763T0	Oomycete	Phin	Phin_13763T0	Phin_13763T0
AA12	401	PITG_13846T0	287	0.00000028	22	149	94	222	0.316708229	Phytophthora_infestans	Phytophthora	AA12_PITG_13846T0	Oomycete	Phin	Phin_13846T0	Phin_13846T0
CBM25	78	PITG_13868T0	808	5.20E-11	15	75	135	200	0.769230769	Phytophthora_infestans	Phytophthora	CBM25_PITG_13868T0	Oomycete	Phin	Phin_13868T0	Phin_13868T0_secreted
GH31	427	PITG_13868T0	808	8.30E-106	3	306	437	807	0.709601874	Phytophthora_infestans	Phytophthora	GH31_PITG_13868T0	Oomycete	Phin	Phin_13868T0	Phin_13868T0_secreted
GH31	427	PITG_13873T0	843	4.90E-144	3	427	232	719	0.992974239	Phytophthora_infestans	Phytophthora	GH31_PITG_13873T0	Oomycete	Phin	Phin_13873T0	Phin_13873T0_secreted
GT19	354	PITG_13917T0	380	5.90E-74	38	328	1	379	0.81920904	Phytophthora_infestans	Phytophthora	GT19_PITG_13917T0	Oomycete	Phin	Phin_13917T0	Phin_13917T0
GH16	189	PITG_14051T0	627	2.30E-09	122	189	397	527	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_14051T0	Oomycete	Phin	Phin_14051T0	Phin_14051T0
GH16	189	PITG_14051T0	627	0.00000023	4	100	28	230	0.507936508	Phytophthora_infestans	Phytophthora	GH16_PITG_14051T0	Oomycete	Phin	Phin_14051T0	Phin_14051T0
GH12	156	PITG_14060T0	226	4.20E-35	5	156	77	221	0.967948718	Phytophthora_infestans	Phytophthora	GH12_PITG_14060T0	Oomycete	Phin	Phin_14060T0	Phin_14060T0_secreted
GH72	312	PITG_14124T0	308	1.20E-58	5	250	20	291	0.78525641	Phytophthora_infestans	Phytophthora	GH72_PITG_14124T0	Oomycete	Phin	Phin_14124T0	Phin_14124T0_secreted
GH72	312	PITG_14138T0	345	1.20E-73	5	287	25	333	0.903846154	Phytophthora_infestans	Phytophthora	GH72_PITG_14138T0	Oomycete	Phin	Phin_14138T0	Phin_14138T0_secreted
GH72	312	PITG_14139T0	312	1.20E-65	4	258	28	309	0.814102564	Phytophthora_infestans	Phytophthora	GH72_PITG_14139T0	Oomycete	Phin	Phin_14139T0	Phin_14139T0
GH72	312	PITG_14140T0	425	2.00E-58	5	284	27	319	0.894230769	Phytophthora_infestans	Phytophthora	GH72_PITG_14140T0	Oomycete	Phin	Phin_14140T0	Phin_14140T0_secreted
GH72	312	PITG_14141T0	500	2.20E-72	4	289	28	339	0.913461539	Phytophthora_infestans	Phytophthora	GH72_PITG_14141T0	Oomycete	Phin	Phin_14141T0	Phin_14141T0_secreted
PL3	197	PITG_14167T0	322	2.00E-62	4	190	62	262	0.944162437	Phytophthora_infestans	Phytophthora	PL3_PITG_14167T0	Oomycete	Phin	Phin_14167T0	Phin_14167T0
PL3	197	PITG_14168T0	304	4.90E-63	2	191	30	233	0.959390863	Phytophthora_infestans	Phytophthora	PL3_PITG_14168T0	Oomycete	Phin	Phin_14168T0	Phin_14168T0_secreted
GH81	622	PITG_14173T0	823	9.90E-152	4	622	90	816	0.993569132	Phytophthora_infestans	Phytophthora	GH81_PITG_14173T0	Oomycete	Phin	Phin_14173T0	Phin_14173T0
CE10	341	PITG_14190T0	442	1.20E-28	127	335	232	424	0.609970675	Phytophthora_infestans	Phytophthora	CE10_PITG_14190T0	Oomycete	Phin	Phin_14190T0	Phin_14190T0
CE10	341	PITG_14194T0	451	1.20E-34	89	318	169	400	0.671554252	Phytophthora_infestans	Phytophthora	CE10_PITG_14194T0	Oomycete	Phin	Phin_14194T0	Phin_14194T0
CE10	341	PITG_14206T0	391	1.70E-36	81	320	97	344	0.700879765	Phytophthora_infestans	Phytophthora	CE10_PITG_14206T0	Oomycete	Phin	Phin_14206T0	Phin_14206T0
CE10	341	PITG_14215T0	314	1.40E-27	81	292	53	266	0.618768328	Phytophthora_infestans	Phytophthora	CE10_PITG_14215T0	Oomycete	Phin	Phin_14215T0	Phin_14215T0
GH32	293	PITG_14237T0	617	5.60E-64	1	282	44	373	0.959044369	Phytophthora_infestans	Phytophthora	GH32_PITG_14237T0	Oomycete	Phin	Phin_14237T0	Phin_14237T0_secreted
GH32	293	PITG_14238T0	666	1.10E-59	1	282	46	375	0.959044369	Phytophthora_infestans	Phytophthora	GH32_PITG_14238T0	Oomycete	Phin	Phin_14238T0	Phin_14238T0_secreted
GH32	293	PITG_14243T0	487	1.80E-48	1	259	43	337	0.880546075	Phytophthora_infestans	Phytophthora	GH32_PITG_14243T0	Oomycete	Phin	Phin_14243T0	Phin_14243T0_secreted
CE13	355	PITG_14270T0	432	5.70E-24	30	253	80	317	0.628169014	Phytophthora_infestans	Phytophthora	CE13_PITG_14270T0	Oomycete	Phin	Phin_14270T0	Phin_14270T0_secreted
PL3	197	PITG_14287T0	506	1.10E-65	2	196	31	228	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_14287T0	Oomycete	Phin	Phin_14287T0	Phin_14287T0_secreted
PL3	197	PITG_14287T0	506	8.40E-65	2	193	280	475	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_14287T0	Oomycete	Phin	Phin_14287T0	Phin_14287T0_secreted
PL3	197	PITG_14288T0	477	6.30E-65	3	196	3	199	0.979695432	Phytophthora_infestans	Phytophthora	PL3_PITG_14288T0	Oomycete	Phin	Phin_14288T0	Phin_14288T0
PL3	197	PITG_14288T0	477	5.10E-64	2	193	251	446	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_14288T0	Oomycete	Phin	Phin_14288T0	Phin_14288T0
GH109	126	PITG_14355T0	330	3.20E-10	68	122	55	109	0.428571429	Phytophthora_infestans	Phytophthora	GH109_PITG_14355T0	Oomycete	Phin	Phin_14355T0	Phin_14355T0
GH109	126	PITG_14357T0	347	1.10E-11	2	116	8	113	0.904761905	Phytophthora_infestans	Phytophthora	GH109_PITG_14357T0	Oomycete	Phin	Phin_14357T0	Phin_14357T0
GH109	126	PITG_14358T0	228	1.00E-15	2	121	10	122	0.944444444	Phytophthora_infestans	Phytophthora	GH109_PITG_14358T0	Oomycete	Phin	Phin_14358T0	Phin_14358T0
CE10	341	PITG_14598T0	752	0.0000017	48	278	454	683	0.674486804	Phytophthora_infestans	Phytophthora	CE10_PITG_14598T0	Oomycete	Phin	Phin_14598T0	Phin_14598T0
GT48	739	PITG_14727T0	2228	1.80E-273	2	706	850	1587	0.952638701	Phytophthora_infestans	Phytophthora	GT48_PITG_14727T0	Oomycete	Phin	Phin_14727T0	Phin_14727T0
CE14	124	PITG_14810T0	168	1.50E-09	1	111	58	163	0.887096774	Phytophthora_infestans	Phytophthora	CE14_PITG_14810T0	Oomycete	Phin	Phin_14810T0	Phin_14810T0
GT2	168	PITG_14978T0	221	1.50E-17	37	164	7	138	0.755952381	Phytophthora_infestans	Phytophthora	GT2_PITG_14978T0	Oomycete	Phin	Phin_14978T0	Phin_14978T0
GT1	382	PITG_14981T0	493	8.30E-18	102	344	97	410	0.633507853	Phytophthora_infestans	Phytophthora	GT1_PITG_14981T0	Oomycete	Phin	Phin_14981T0	Phin_14981T0
GT71	264	PITG_15000T0	223	4.90E-37	74	264	45	208	0.71969697	Phytophthora_infestans	Phytophthora	GT71_PITG_15000T0	Oomycete	Phin	Phin_15000T0	Phin_15000T0
GT71	264	PITG_15001T0	341	3.00E-35	10	264	5	216	0.962121212	Phytophthora_infestans	Phytophthora	GT71_PITG_15001T0	Oomycete	Phin	Phin_15001T0	Phin_15001T0
GT71	264	PITG_15003T0	275	8.50E-30	72	239	3	169	0.632575758	Phytophthora_infestans	Phytophthora	GT71_PITG_15003T0	Oomycete	Phin	Phin_15003T0	Phin_15003T0
AA3	618	PITG_15033T0	562	1.60E-100	86	400	32	541	0.508090615	Phytophthora_infestans	Phytophthora	AA3_PITG_15033T0	Oomycete	Phin	Phin_15033T0	Phin_15033T0
PL3	197	PITG_15296T0	222	1.30E-57	2	181	30	218	0.908629442	Phytophthora_infestans	Phytophthora	PL3_PITG_15296T0	Oomycete	Phin	Phin_15296T0	Phin_15296T0_secreted
PL3	197	PITG_15299T0	254	2.20E-24	101	185	104	198	0.426395939	Phytophthora_infestans	Phytophthora	PL3_PITG_15299T0	Oomycete	Phin	Phin_15299T0	Phin_15299T0_secreted
PL3	197	PITG_152														

PL6	372	PITG_15509T0	2503	0.0000022	6	155	1663	1816	0.400537634	Phytophthora_infestans	Phytophthora	PL6_PITG_15509T0	Oomycete	Phin	Phin_15509T0	Phin_15509T0
CBM18	38	PITG_15644T0	397	0.0000021	2	25	143	166	0.605263158	Phytophthora_infestans	Phytophthora	CBM18_PITG_15644T0	Oomycete	Phin	Phin_15644T0	Phin_15644T0
GH19	231	PITG_15644T0	397	1.20E-15	46	127	212	291	0.350649351	Phytophthora_infestans	Phytophthora	GH19_PITG_15644T0	Oomycete	Phin	Phin_15644T0	Phin_15644T0
GH1	429	PITG_15790T0	475	9.00E-174	4	428	6	472	0.988344988	Phytophthora_infestans	Phytophthora	GH1_PITG_15790T0	Oomycete	Phin	Phin_15790T0	Phin_15790T0
GH1	429	PITG_15791T0	475	2.80E-174	4	428	6	472	0.988344988	Phytophthora_infestans	Phytophthora	GH1_PITG_15791T0	Oomycete	Phin	Phin_15791T0	Phin_15791T0
GT20	475	PITG_15882T0	1004	7.90E-195	9	474	178	656	0.978947368	Phytophthora_infestans	Phytophthora	GT20_PITG_15882T0	Oomycete	Phin	Phin_15882T0	Phin_15882T0
GH3	216	PITG_15905T0	743	9.40E-55	4	188	112	298	0.851851852	Phytophthora_infestans	Phytophthora	GH3_PITG_15905T0	Oomycete	Phin	Phin_15905T0	Phin_15905T0_secreted
CE1	227	PITG_15956T0	333	0.000000045	27	143	40	176	0.511013216	Phytophthora_infestans	Phytophthora	CE1_PITG_15956T0	Oomycete	Phin	Phin_15956T0	Phin_15956T0
CBM13	188	PITG_15980T0	443	5.20E-19	8	136	315	440	0.680851064	Phytophthora_infestans	Phytophthora	CBM13_PITG_15980T0	Oomycete	Phin	Phin_15980T0	Phin_15980T0_secreted
GH17	311	PITG_15980T0	443	2.20E-24	12	306	46	300	0.945337621	Phytophthora_infestans	Phytophthora	GH17_PITG_15980T0	Oomycete	Phin	Phin_15980T0	Phin_15980T0_secreted
GT4	160	PITG_16062T0	501	6.40E-26	7	153	296	454	0.9125	Phytophthora_infestans	Phytophthora	GT4_PITG_16062T0	Oomycete	Phin	Phin_16062T0	Phin_16062T0
GH131	255	PITG_16135T0	329	3.40E-24	35	253	62	269	0.854901961	Phytophthora_infestans	Phytophthora	GH131_PITG_16135T0	Oomycete	Phin	Phin_16135T0	Phin_16135T0_secreted
PL3	197	PITG_16160T0	506	1.10E-65	2	196	31	228	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_16160T0	Oomycete	Phin	Phin_16160T0	Phin_16160T0_secreted
PL3	197	PITG_16160T0	506	1.90E-64	2	193	280	475	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_16160T0	Oomycete	Phin	Phin_16160T0	Phin_16160T0_secreted
AA8	815	PITG_16169T0	340	6.60E-68	236	547	15	330	0.381595092	Phytophthora_infestans	Phytophthora	AA8_PITG_16169T0	Oomycete	Phin	Phin_16169T0	Phin_16169T0_secreted
CBM63	78	PITG_16315T0	260	0.000000085	2	74	136	207	0.923076923	Phytophthora_infestans	Phytophthora	CBM63_PITG_16315T0	Oomycete	Phin	Phin_16315T0	Phin_16315T0_secreted
GH3	216	PITG_16404T0	349	6.30E-16	134	208	98	179	0.342592593	Phytophthora_infestans	Phytophthora	GH3_PITG_16404T0	Oomycete	Phin	Phin_16404T0	Phin_16404T0
GT22	389	PITG_16479T0	587	2.10E-90	2	389	40	465	0.994858612	Phytophthora_infestans	Phytophthora	GT22_PITG_16479T0	Oomycete	Phin	Phin_16479T0	Phin_16479T0
GH5	275	PITG_16487T0	640	8.20E-31	3	240	233	584	0.861818182	Phytophthora_infestans	Phytophthora	GH5_PITG_16487T0	Oomycete	Phin	Phin_16487T0	Phin_16487T0
GH1	429	PITG_16493T0	254	3.20E-17	207	375	5	192	0.391608392	Phytophthora_infestans	Phytophthora	GH1_PITG_16493T0	Oomycete	Phin	Phin_16493T0	Phin_16493T0
GH3	216	PITG_16507T0	537	8.30E-21	4	171	61	228	0.773148148	Phytophthora_infestans	Phytophthora	GH3_PITG_16507T0	Oomycete	Phin	Phin_16507T0	Phin_16507T0
CBM1	29	PITG_16553T0	211	8.10E-09	4	26	61	84	0.75862069	Phytophthora_infestans	Phytophthora	CBM1_PITG_16553T0	Oomycete	Phin	Phin_16553T0	Phin_16553T0
GH3	216	PITG_16558T0	732	1.60E-53	13	216	53	258	0.939814815	Phytophthora_infestans	Phytophthora	GH3_PITG_16558T0	Oomycete	Phin	Phin_16558T0	Phin_16558T0
CE1	227	PITG_16693T0	294	0.00000015	87	161	28	106	0.325991189	Phytophthora_infestans	Phytophthora	CE1_PITG_16693T0	Oomycete	Phin	Phin_16693T0	Phin_16693T0
GH18	296	PITG_16794T0	404	9.70E-39	39	278	76	381	0.807432432	Phytophthora_infestans	Phytophthora	GH18_PITG_16794T0	Oomycete	Phin	Phin_16794T0	Phin_16794T0_secreted
CBM32	124	PITG_16812T0	178	0.0000021	11	66	23	85	0.443548387	Phytophthora_infestans	Phytophthora	CBM32_PITG_16812T0	Oomycete	Phin	Phin_16812T0	Phin_16812T0
GH28	325	PITG_16822T0	334	8.40E-64	45	317	50	334	0.836923077	Phytophthora_infestans	Phytophthora	GH28_PITG_16822T0	Oomycete	Phin	Phin_16822T0	Phin_16822T0_secreted
GH28	325	PITG_16824T0	360	2.70E-63	5	317	44	360	0.96	Phytophthora_infestans	Phytophthora	GH28_PITG_16824T0	Oomycete	Phin	Phin_16824T0	Phin_16824T0_secreted
GH28	325	PITG_16825T0	321	9.10E-58	7	317	24	321	0.953846154	Phytophthora_infestans	Phytophthora	GH28_PITG_16825T0	Oomycete	Phin	Phin_16825T0	Phin_16825T0_secreted
CE10	341	PITG_16930T0	705	7.10E-38	68	277	220	490	0.612903226	Phytophthora_infestans	Phytophthora	CE10_PITG_16930T0	Oomycete	Phin	Phin_16930T0	Phin_16930T0
GH5	275	PITG_16965T0	414	1.20E-35	28	245	105	396	0.789090909	Phytophthora_infestans	Phytophthora	GH5_PITG_16965T0	Oomycete	Phin	Phin_16965T0	Phin_16965T0_secreted
GH5	275	PITG_16968T0	458	7.30E-43	26	238	146	431	0.770909091	Phytophthora_infestans	Phytophthora	GH5_PITG_16968T0	Oomycete	Phin	Phin_16968T0	Phin_16968T0_secreted
GT2	168	PITG_16984T0	1019	1.90E-09	2	108	344	544	0.630952381	Phytophthora_infestans	Phytophthora	GT2_PITG_16984T0	Oomycete	Phin	Phin_16984T0	Phin_16984T0
GH12	156	PITG_16985T0	220	1.00E-14	85	156	153	219	0.455128205	Phytophthora_infestans	Phytophthora	GH12_PITG_16985T0	Oomycete	Phin	Phin_16985T0	Phin_16985T0
GH12	156	PITG_16985T0	220	2.20E-10	2	51	104	150	0.314102564	Phytophthora_infestans	Phytophthora	GH12_PITG_16985T0	Oomycete	Phin	Phin_16985T0	Phin_16985T0
GH12	156	PITG_16991T0	243	5.80E-43	2	156	93	241	0.987179487	Phytophthora_infestans	Phytophthora	GH12_PITG_16991T0	Oomycete	Phin	Phin_16991T0	Phin_16991T0_secreted
GH12	156	PITG_16992T0	239	1.10E-33	4	156	91	236	0.974358974	Phytophthora_infestans	Phytophthora	GH12_PITG_16992T0	Oomycete	Phin	Phin_16992T0	Phin_16992T0_secreted
GH12	156	PITG_16995T0	327	1.30E-29	3	117	212	324	0.730769231	Phytophthora_infestans	Phytophthora	GH12_PITG_16995T0	Oomycete	Phin	Phin_16995T0	Phin_16995T0
GT2	168	PITG_17007T0	1142	3.10E-26	15	168	564	817	0.910714286	Phytophthora_infestans	Phytophthora	GT2_PITG_17007T0	Oomycete	Phin	Phin_17007T0	Phin_17007T0
GT2_Cellulose_synt	722	PITG_17007T0	1142	6.60E-17	416	678	819	1085	0.362880886	Phytophthora_infestans	Phytophthora	GT2_Cellulose_synt_PITG_17007T0	Oomycete	Phin	Phin_17007T0	Phin_17007T0
GH10	303	PITG_17054T0	359	4.20E-85	3	289	40	336	0.943894389	Phytophthora_infestans	Phytophthora	GH10_PITG_17054T0	Oomycete	Phin	Phin_17054T0	Phin_17054T0_secreted
GH10	303	PITG_17055T0	384	1.40E-89	2	289	35	332	0.94719472	Phytophthora_infestans	Phytophthora	GH10_PITG_17055T0	Oomycete	Phin	Phin_17055T0	Phin_17055T0_secreted
GT50	262	PITG_17126T0	262	1.90E-63	1	187	65	259	0.709923664	Phytophthora_infestans	Phytophthora	GT50_PITG_17126T0	Oomycete	Phin	Phin_17126T0	Phin_17126T0
PL3	197	PITG_17207T0	486	1.50E-65	2	196	31	228	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_17207T0	Oomycete	Phin	Phin_17207T0	Phin_17207T0_secreted
PL3	197	PITG_17207T0	486	1.70E-64	2	193	260	455	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_17207T0	Oomycete	Phin	Phin_17207T0	Phin_17207T0_secreted
PL3	197	PITG_17208T0	204	4.20E-58	25	193	1	173	0.852791878	Phytophthora_infestans	Phytophthora	PL3_PITG_17208T0	Oomycete	Phin	Phin_17208T0	Phin_17208T0
PL3	197	PITG_17210T0	321	6.80E-51	2	140	175	314	0.700507614	Phytophthora_infestans	Phytophthora	PL3_PITG_17210T0	Oomycete	Phin	Phin_17210T0	Phin_17210T0
PL3	197	PITG_17210T0	321	2.10E-42	66	196	2	134	0.659898477	Phytophthora_infestans	Phytophthora	PL3_PITG_17210T0	Oomycete	Phin	Phin_17210T0	Phin_17210T0
GH131	255	PITG_17285T0	279	5.00E-10	158	253	119	219	0.37254902	Phytophthora_infestans	Phytophthora	GH131_PITG_17285T0	Oomycete	Phin	Phin_17285T0	Phin_17285T0_secreted
CE1	227	PITG_17325T0	365	0.000000014	32	221	113	352	0.832599119	Phytophthora_infestans	Phytophthora	CE1_PITG_17325T0	Oomycete	Phin	Phin_17325T0	Phin_17325T0_secreted
GH17	311	PITG_17362T0	281	5.00E-25	1	310	21	280	0.993569132	Phytophthora_infestans	Phytophthora	GH17_PITG_17362T0	Oomycete	Phin	Phin_17362T0	Phin_17362T0_secreted
GH17	311	PITG_17411T0	460	4.80E-17	2	310	23	276	0.990353698	Phytophthora_infestans	Phytophthora	GH17_PITG_17411T0	Oomycete	Phin	Phin_17411T0	Phin_17411T0
GH72	312	PITG_17496T0	280	5.70E-53	84	284	1	222	0.641025641	Phytophthora_infestans	Phytophthora	GH72_PITG_17496T0	Oomycete	Phin	Phin_17496T0	Phin_17496T0
GH72	312	PITG_17497T0	524	4.60E-80	5	284	100	402	0.894230769	Phytophthora_infestans	Phytophthora	GH72_PITG_17497T0	Oomycete	Phin	Phin_17497T0	Phin_17497T0
GH114	190	PITG_17498T0	225	1.50E-76	1	190	28	217	0.994736842	Phytophthora_infestans	Phytophthora	GH114_PITG_17498T0	Oomycete	Phin	Phin_17498T0	Phin_17498T0_secreted
GH30	417	PITG_17500T0	547	8.60E-109	11	415	88	532	0.96882494	Phytophthora_infestans	Phytophthora	GH30_PITG_17500T0	Oomycete	Phin	Phin_17500T0	Phin_17500T0_secreted
GH30	417	PITG_17501T0	539	2.80E-116	14	416	88	530	0.964028777	Phytophthora_infestans	Phytophthora	GH30_PITG_17501T0	Oomycete	Phin	Phin_17501T0	Phin_17501T0_secreted
GH30	417	PITG_17506T0	283	4.30E-47	11	188	87	270	0.424460432	Phytophthora_infestans	Phytophthora	GH30_PITG_17506T0	Oomycete	Phin	Phin_17506T0	Phin_17506T0_secreted
GH30	417	PITG_17507T0	516	2.70E-109	8	394	83	511	0.925659472	Phytophthora_infestans	Phytophthora	GH30_PITG_17507T0	Oomycete	Phin	Phin_17507T0	Phin_17507T0_secreted
GH30	417	PITG_17508T0	499	2.60E-107	9	388	69	496	0.908872902	Phytophthora_infestans	Phytophthora	GH30_PITG_17508T0	Oomycete	Phin	Phin_17508T0	Phin_17508T0
GH30	417	PITG_17509T0	226	4.60E-37	214	415	4	216	0.482014389	Phytophthora_infestans	Phytophthora	GH30_PITG_17509T0	Oomycete	Phin	Phin_17509T0	Phin_17509T0
GH3	216	PITG_17546T0	683	1.00E-62	5	215	58	279	0.972222222	Phytophthora_infestans	Phytophthora	GH3_PITG_17546T0	Oomycete	Phin	Phin_17546T0	Phin_17546T0
GH63	570	PITG_17592T0	891	1.50E-23	317	567	597	889	0.438596491	Phytophthora_infestans	Phytophthora	GH63_PITG_17592T0	Oomycete	Phin	Phin_17592T0	Phin_17592T0
GT71	264	PITG_17661T0	618	2.80E-47	2	264	271	500	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_17661T0	Oomycete	Phin	Phin_17661T0	Phin_17661T0
GT71	264	PITG_17663T0	621	1.80E-50	2	264	276	505	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_17663T0	Oomycete	Phin	Phin_17663T0	Phin_

GH3	216	PITG_18069T0	792	2.10E-58	8	216	139	358	0.962962963	Phytophthora_infestans	Phytophthora	GH3_PITG_18069T0	Oomycete	Phin	Phin_18069T0	Phin_18069T0
GT22	389	PITG_18105T0	528	1.60E-112	4	389	14	423	0.989717224	Phytophthora_infestans	Phytophthora	GT22_PITG_18105T0	Oomycete	Phin	Phin_18105T0	Phin_18105T0
GH1	429	PITG_18208T0	242	1.70E-86	33	239	13	232	0.48018648	Phytophthora_infestans	Phytophthora	GH1_PITG_18208T0	Oomycete	Phin	Phin_18208T0	Phin_18208T0
GH1	429	PITG_18209T0	459	4.50E-158	4	428	6	456	0.988344988	Phytophthora_infestans	Phytophthora	GH1_PITG_18209T0	Oomycete	Phin	Phin_18209T0	Phin_18209T0
GH1	429	PITG_18230T0	409	1.40E-83	153	428	118	406	0.641025641	Phytophthora_infestans	Phytophthora	GH1_PITG_18230T0	Oomycete	Phin	Phin_18230T0	Phin_18230T0
GH1	429	PITG_18231T0	475	5.20E-174	4	428	6	472	0.988344988	Phytophthora_infestans	Phytophthora	GH1_PITG_18231T0	Oomycete	Phin	Phin_18231T0	Phin_18231T0
GT71	264	PITG_18255T0	546	6.80E-45	2	264	188	420	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18255T0	Oomycete	Phin	Phin_18255T0	Phin_18255T0
GT71	264	PITG_18256T0	297	7.40E-43	7	264	2	229	0.973484849	Phytophthora_infestans	Phytophthora	GT71_PITG_18256T0	Oomycete	Phin	Phin_18256T0	Phin_18256T0
GT71	264	PITG_18257T0	433	1.60E-47	4	264	79	311	0.984848485	Phytophthora_infestans	Phytophthora	GT71_PITG_18257T0	Oomycete	Phin	Phin_18257T0	Phin_18257T0
GT71	264	PITG_18258T0	621	6.60E-52	2	264	217	449	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18258T0	Oomycete	Phin	Phin_18258T0	Phin_18258T0
GT71	264	PITG_18259T0	296	4.40E-28	2	133	139	267	0.496212121	Phytophthora_infestans	Phytophthora	GT71_PITG_18259T0	Oomycete	Phin	Phin_18259T0	Phin_18259T0
GT71	264	PITG_18261T0	253	3.40E-41	2	224	50	247	0.840909091	Phytophthora_infestans	Phytophthora	GT71_PITG_18261T0	Oomycete	Phin	Phin_18261T0	Phin_18261T0
GT71	264	PITG_18262T0	379	4.30E-41	8	257	4	262	0.943181818	Phytophthora_infestans	Phytophthora	GT71_PITG_18262T0	Oomycete	Phin	Phin_18262T0	Phin_18262T0
GT71	264	PITG_18263T0	149	5.60E-10	107	196	57	125	0.337121212	Phytophthora_infestans	Phytophthora	GT71_PITG_18263T0	Oomycete	Phin	Phin_18263T0	Phin_18263T0
GT71	264	PITG_18265T0	201	5.00E-30	72	252	3	182	0.681818182	Phytophthora_infestans	Phytophthora	GT71_PITG_18265T0	Oomycete	Phin	Phin_18265T0	Phin_18265T0
GT71	264	PITG_18266T0	379	1.20E-48	2	264	31	265	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18266T0	Oomycete	Phin	Phin_18266T0	Phin_18266T0
GT71	264	PITG_18270T0	397	1.60E-36	73	256	233	389	0.693181818	Phytophthora_infestans	Phytophthora	GT71_PITG_18270T0	Oomycete	Phin	Phin_18270T0	Phin_18270T0
GT71	264	PITG_18271T0	564	9.70E-48	2	264	190	422	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18271T0	Oomycete	Phin	Phin_18271T0	Phin_18271T0
GT71	264	PITG_18272T0	581	2.00E-52	2	264	192	426	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18272T0	Oomycete	Phin	Phin_18272T0	Phin_18272T0
GT71	264	PITG_18275T0	658	2.00E-48	2	264	263	496	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18275T0	Oomycete	Phin	Phin_18275T0	Phin_18275T0
GT71	264	PITG_18276T0	542	1.80E-50	2	264	149	383	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18276T0	Oomycete	Phin	Phin_18276T0	Phin_18276T0
GT71	264	PITG_18277T0	608	4.60E-46	2	264	215	447	0.992424242	Phytophthora_infestans	Phytophthora	GT71_PITG_18277T0	Oomycete	Phin	Phin_18277T0	Phin_18277T0
GT71	264	PITG_18278T0	272	2.20E-17	173	264	139	224	0.34469697	Phytophthora_infestans	Phytophthora	GT71_PITG_18278T0	Oomycete	Phin	Phin_18278T0	Phin_18278T0
GT71	264	PITG_18279T0	1157	8.30E-51	1	261	455	687	0.984848485	Phytophthora_infestans	Phytophthora	GT71_PITG_18279T0	Oomycete	Phin	Phin_18279T0	Phin_18279T0
CE13	355	PITG_18280T0	391	2.00E-19	27	253	72	297	0.636619718	Phytophthora_infestans	Phytophthora	CE13_PITG_18280T0	Oomycete	Phin	Phin_18280T0	Phin_18280T0_secreted
GH109	126	PITG_18299T0	392	0.00000031	1	113	30	144	0.888888889	Phytophthora_infestans	Phytophthora	GH109_PITG_18299T0	Oomycete	Phin	Phin_18299T0	Phin_18299T0
GH6	294	PITG_18332T0	367	2.10E-55	15	289	39	294	0.931972789	Phytophthora_infestans	Phytophthora	GH6_PITG_18332T0	Oomycete	Phin	Phin_18332T0	Phin_18332T0_secreted
GH6	294	PITG_18333T0	464	1.20E-50	12	289	33	288	0.942176871	Phytophthora_infestans	Phytophthora	GH6_PITG_18333T0	Oomycete	Phin	Phin_18333T0	Phin_18333T0
GH6	294	PITG_18335T0	443	6.70E-63	12	289	43	296	0.942176871	Phytophthora_infestans	Phytophthora	GH6_PITG_18335T0	Oomycete	Phin	Phin_18335T0	Phin_18335T0_secreted
GH6	294	PITG_18336T0	419	2.90E-56	13	289	40	293	0.93877551	Phytophthora_infestans	Phytophthora	GH6_PITG_18336T0	Oomycete	Phin	Phin_18336T0	Phin_18336T0_secreted
GH6	294	PITG_18337T0	234	3.00E-56	52	290	14	230	0.80952381	Phytophthora_infestans	Phytophthora	GH6_PITG_18337T0	Oomycete	Phin	Phin_18337T0	Phin_18337T0
GH6	294	PITG_18338T0	303	5.90E-32	13	213	40	226	0.680272109	Phytophthora_infestans	Phytophthora	GH6_PITG_18338T0	Oomycete	Phin	Phin_18338T0	Phin_18338T0_secreted
GH16	189	PITG_18356T0	589	3.20E-16	4	189	62	473	0.978835979	Phytophthora_infestans	Phytophthora	GH16_PITG_18356T0	Oomycete	Phin	Phin_18356T0	Phin_18356T0
PL3	197	PITG_18477T0	124	3.10E-44	25	140	1	117	0.583756345	Phytophthora_infestans	Phytophthora	PL3_PITG_18477T0	Oomycete	Phin	Phin_18477T0	Phin_18477T0
PL3	197	PITG_18478T0	441	2.20E-57	25	196	1	175	0.868020305	Phytophthora_infestans	Phytophthora	PL3_PITG_18478T0	Oomycete	Phin	Phin_18478T0	Phin_18478T0
PL3	197	PITG_18478T0	441	1.80E-41	67	193	280	410	0.639593909	Phytophthora_infestans	Phytophthora	PL3_PITG_18478T0	Oomycete	Phin	Phin_18478T0	Phin_18478T0
PL3	197	PITG_18482T0	494	1.00E-65	2	196	31	228	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_18482T0	Oomycete	Phin	Phin_18482T0	Phin_18482T0_secreted
PL3	197	PITG_18482T0	494	8.90E-64	2	193	268	463	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_18482T0	Oomycete	Phin	Phin_18482T0	Phin_18482T0_secreted
GH109	126	PITG_18534T0	276	4.70E-15	2	122	10	123	0.952380952	Phytophthora_infestans	Phytophthora	GH109_PITG_18534T0	Oomycete	Phin	Phin_18534T0	Phin_18534T0
GH109	126	PITG_18535T0	324	0.00000016	2	98	8	95	0.761904762	Phytophthora_infestans	Phytophthora	GH109_PITG_18535T0	Oomycete	Phin	Phin_18535T0	Phin_18535T0
GH109	126	PITG_18537T0	319	1.50E-14	35	122	38	119	0.690476191	Phytophthora_infestans	Phytophthora	GH109_PITG_18537T0	Oomycete	Phin	Phin_18537T0	Phin_18537T0
GT60	330	PITG_18747T0	553	1.70E-60	1	330	67	380	0.996969697	Phytophthora_infestans	Phytophthora	GT60_PITG_18747T0	Oomycete	Phin	Phin_18747T0	Phin_18747T0
CBM39	94	PITG_18795T0	300	0.00013	7	62	37	91	0.585106383	Phytophthora_infestans	Phytophthora	CBM39_PITG_18795T0	Oomycete	Phin	Phin_18795T0	Phin_18795T0
CE8	288	PITG_18907T0	330	5.30E-72	2	277	26	310	0.954861111	Phytophthora_infestans	Phytophthora	CE8_PITG_18907T0	Oomycete	Phin	Phin_18907T0	Phin_18907T0
AA8	815	PITG_18951T0	781	5.20E-82	237	780	16	556	0.666257669	Phytophthora_infestans	Phytophthora	AA8_PITG_18951T0	Oomycete	Phin	Phin_18951T0	Phin_18951T0_secreted
GT4	160	PITG_19227T0	738	0.00000082	78	136	599	657	0.3625	Phytophthora_infestans	Phytophthora	GT4_PITG_19227T0	Oomycete	Phin	Phin_19227T0	Phin_19227T0
GT4	160	PITG_19228T0	513	0.00000014	71	137	366	431	0.4125	Phytophthora_infestans	Phytophthora	GT4_PITG_19228T0	Oomycete	Phin	Phin_19228T0	Phin_19228T0
GH78	504	PITG_19230T0	542	6.20E-31	229	461	190	449	0.46031746	Phytophthora_infestans	Phytophthora	GH78_PITG_19230T0	Oomycete	Phin	Phin_19230T0	Phin_19230T0_secreted
CBM13	188	PITG_19292T0	1185	1.60E-11	10	144	521	658	0.712765957	Phytophthora_infestans	Phytophthora	CBM13_PITG_19292T0	Oomycete	Phin	Phin_19292T0	Phin_19292T0
CBM13	188	PITG_19292T0	1185	3.10E-10	10	143	366	504	0.707446809	Phytophthora_infestans	Phytophthora	CBM13_PITG_19292T0	Oomycete	Phin	Phin_19292T0	Phin_19292T0
PL3	197	PITG_19366T0	494	1.30E-65	2	196	31	228	0.984771574	Phytophthora_infestans	Phytophthora	PL3_PITG_19366T0	Oomycete	Phin	Phin_19366T0	Phin_19366T0_secreted
PL3	197	PITG_19366T0	494	1.70E-64	2	193	268	463	0.969543147	Phytophthora_infestans	Phytophthora	PL3_PITG_19366T0	Oomycete	Phin	Phin_19366T0	Phin_19366T0_secreted
GH28	325	PITG_19455T0	338	2.90E-46	6	309	55	328	0.932307692	Phytophthora_infestans	Phytophthora	GH28_PITG_19455T0	Oomycete	Phin	Phin_19455T0	Phin_19455T0_secreted
GT60	330	PITG_19514T0	421	4.30E-73	4	329	96	398	0.984848485	Phytophthora_infestans	Phytophthora	GT60_PITG_19514T0	Oomycete	Phin	Phin_19514T0	Phin_19514T0
GH78	504	PITG_19561T0	779	4.10E-61	129	501	349	751	0.738095238	Phytophthora_infestans	Phytophthora	GH78_PITG_19561T0	Oomycete	Phin	Phin_19561T0	Phin_19561T0_secreted
GH28	325	PITG_19619T0	293	1.00E-36	78	201	88	218	0.378461539	Phytophthora_infestans	Phytophthora	GH28_PITG_19619T0	Oomycete	Phin	Phin_19619T0	Phin_19619T0_secreted
GH28	325	PITG_19620T0	376	1.50E-64	6	307	66	368	0.926153846	Phytophthora_infestans	Phytophthora	GH28_PITG_19620T0	Oomycete	Phin	Phin_19620T0	Phin_19620T0_secreted
GH28	325	PITG_19623T0	378	3.20E-60	6	307	63	366	0.926153846	Phytophthora_infestans	Phytophthora	GH28_PITG_19623T0	Oomycete	Phin	Phin_19623T0	Phin_19623T0_secreted
GH28	325	PITG_19624T0	372	5.80E-60	6	308	57	360	0.929230769	Phytophthora_infestans	Phytophthora	GH28_PITG_19624T0	Oomycete	Phin	Phin_19624T0	Phin_19624T0_secreted
GH28	325	PITG_19625T0	372	7.10E-61	6	307	57	360	0.926153846	Phytophthora_infestans	Phytophthora	GH28_PITG_19625T0	Oomycete	Phin	Phin_19625T0	Phin_19625T0
GH28	325	PITG_19634T0	216	1.20E-43	118	307	2	204	0.581538462	Phytophthora_infestans	Phytophthora	GH28_PITG_19634T0	Oomycete	Phin	Phin_19634T0	Phin_19634T0
GH28	325	PITG_19636T0	157	4.00E-28	174	307	3	145	0.409230769	Phytophthora_infestans	Phytophthora	GH28_PITG_19636T0	Oomycete	Phin	Phin_19636T0	Phin_19636T0
GH28	325	PITG_19637T0	253	4.90E-41	88	233	27	184	0.446153846	Phytophthora_infestans	Phytophthora	GH28_PITG_19637T0	Oomycete	Phin	Phin_19637T0	Phin_19637T0
GH28	325	PITG_19649T0	281	9.70E-63	63	317	10	281	0.781538462	Phytophthora_infestans	Phytophthora	GH28_PITG_19649T0	Oomycete	Phin	Phin_19649T0	Phin_19649T0
GH28	325	PITG_19653T0	248	4.60E-50	104	317	20	248	0.655384615	Phytophthora_infestans	Phytophthora	GH28_PITG_19653T0	Oomycete	Phin	Phin_19653T0	Phin_19653T0
AA6	195	PITG_1														

GH28	325	PITG_19985T0	282	4.90E-61	63	317	10	282	0.781538462	Phytophthora_infestans	Phytophthora	GH28_PITG_19985T0	Oomycete	Phin	Phin_19985T0	Phin_19985T0
CBM63	78	PITG_20447T0	398	0.000000027	2	75	95	167	0.935897436	Phytophthora_infestans	Phytophthora	CBM63_PITG_20447T0	Oomycete	Phin	Phin_20447T0	Phin_20447T0
GH16	189	PITG_20615T0	384	0.00000026	63	144	251	352	0.428571429	Phytophthora_infestans	Phytophthora	GH16_PITG_20615T0	Oomycete	Phin	Phin_20615T0	Phin_20615T0_secreted
GT71	264	PITG_20634T0	480	2.30E-47	2	260	89	382	0.977272727	Phytophthora_infestans	Phytophthora	GT71_PITG_20634T0	Oomycete	Phin	Phin_20634T0	Phin_20634T0
GH3	216	PITG_20676T0	809	3.20E-59	4	214	74	321	0.972222222	Phytophthora_infestans	Phytophthora	GH3_PITG_20676T0	Oomycete	Phin	Phin_20676T0	Phin_20676T0_secreted
AA7	458	PITG_20764T0	505	2.50E-71	9	458	80	499	0.980349345	Phytophthora_infestans	Phytophthora	AA7_PITG_20764T0	Oomycete	Phin	Phin_20764T0	Phin_20764T0_secreted
GH16	189	PITG_20866T0	678	0.000000011	122	189	371	507	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_20866T0	Oomycete	Phin	Phin_20866T0	Phin_20866T0
GH16	189	PITG_20866T0	678	0.000000003	4	91	3	160	0.46031746	Phytophthora_infestans	Phytophthora	GH16_PITG_20866T0	Oomycete	Phin	Phin_20866T0	Phin_20866T0
GH16	189	PITG_20867T0	633	0.000000038	4	91	3	140	0.46031746	Phytophthora_infestans	Phytophthora	GH16_PITG_20867T0	Oomycete	Phin	Phin_20867T0	Phin_20867T0
GH16	189	PITG_20867T0	633	0.000000054	122	189	358	461	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_20867T0	Oomycete	Phin	Phin_20867T0	Phin_20867T0
GH16	189	PITG_20868T0	746	6.70E-09	129	189	452	561	0.317460318	Phytophthora_infestans	Phytophthora	GH16_PITG_20868T0	Oomycete	Phin	Phin_20868T0	Phin_20868T0
GH16	189	PITG_20868T0	746	0.00000022	4	99	57	225	0.502645503	Phytophthora_infestans	Phytophthora	GH16_PITG_20868T0	Oomycete	Phin	Phin_20868T0	Phin_20868T0
GH16	189	PITG_20896T0	724	0.000000031	122	189	450	573	0.354497355	Phytophthora_infestans	Phytophthora	GH16_PITG_20896T0	Oomycete	Phin	Phin_20896T0	Phin_20896T0
GH16	189	PITG_20896T0	724	0.00000032	3	90	69	257	0.46031746	Phytophthora_infestans	Phytophthora	GH16_PITG_20896T0	Oomycete	Phin	Phin_20896T0	Phin_20896T0
GT20	475	PITG_20927T0	825	5.90E-149	11	474	41	507	0.974736842	Phytophthora_infestans	Phytophthora	GT20_PITG_20927T0	Oomycete	Phin	Phin_20927T0	Phin_20927T0
PL1	202	PITG_20992T0	121	0.000000044	109	174	48	121	0.321782178	Phytophthora_infestans	Phytophthora	PL1_PITG_20992T0	Oomycete	Phin	Phin_20992T0	Phin_20992T0
GT31	192	PITG_21064T0	262	0.000000016	53	117	162	226	0.333333333	Phytophthora_infestans	Phytophthora	GT31_PITG_21064T0	Oomycete	Phin	Phin_21064T0	Phin_21064T0
CBM47	128	PITG_21106T0	206	6.10E-12	2	61	95	147	0.4609375	Phytophthora_infestans	Phytophthora	CBM47_PITG_21106T0	Oomycete	Phin	Phin_21106T0	Phin_21106T0
GH28	325	PITG_21245T0	380	1.40E-63	6	307	70	372	0.926153846	Phytophthora_infestans	Phytophthora	GH28_PITG_21245T0	Oomycete	Phin	Phin_21245T0	Phin_21245T0_secreted
GH28	325	PITG_21247T0	361	3.50E-64	7	317	48	361	0.953846154	Phytophthora_infestans	Phytophthora	GH28_PITG_21247T0	Oomycete	Phin	Phin_21247T0	Phin_21247T0_secreted
GH28	325	PITG_21248T0	339	9.50E-64	6	313	25	335	0.944615385	Phytophthora_infestans	Phytophthora	GH28_PITG_21248T0	Oomycete	Phin	Phin_21248T0	Phin_21248T0
PL4	567	PITG_21289T0	211	3.20E-27	4	208	21	203	0.35978836	Phytophthora_infestans	Phytophthora	PL4_PITG_21289T0	Oomycete	Phin	Phin_21289T0	Phin_21289T0_secreted
AA3	618	PITG_21308T0	487	3.20E-85	86	401	19	467	0.509708738	Phytophthora_infestans	Phytophthora	AA3_PITG_21308T0	Oomycete	Phin	Phin_21308T0	Phin_21308T0
GT41	705	PITG_21321T0	412	3.60E-53	168	433	2	411	0.375886525	Phytophthora_infestans	Phytophthora	GT41_PITG_21321T0	Oomycete	Phin	Phin_21321T0	Phin_21321T0
GT30	177	PITG_21328T0	232	2.80E-45	4	174	38	226	0.960451977	Phytophthora_infestans	Phytophthora	GT30_PITG_21328T0	Oomycete	Phin	Phin_21328T0	Phin_21328T0
PL1	202	PITG_21462T0	401	1.20E-34	21	201	122	303	0.891089109	Phytophthora_infestans	Phytophthora	PL1_PITG_21462T0	Oomycete	Phin	Phin_21462T0	Phin_21462T0_secreted
PL1	202	PITG_21463T0	469	2.10E-40	21	201	122	317	0.891089109	Phytophthora_infestans	Phytophthora	PL1_PITG_21463T0	Oomycete	Phin	Phin_21463T0	Phin_21463T0_secreted
PL1	202	PITG_21499T0	240	1.10E-26	20	131	124	238	0.549504951	Phytophthora_infestans	Phytophthora	PL1_PITG_21499T0	Oomycete	Phin	Phin_21499T0	Phin_21499T0_secreted
GT1	382	PITG_21507T0	1040	9.20E-26	92	377	211	471	0.746073298	Phytophthora_infestans	Phytophthora	GT1_PITG_21507T0	Oomycete	Phin	Phin_21507T0	Phin_21507T0
GH1	429	PITG_21554T0	339	3.20E-43	144	424	39	321	0.652680653	Phytophthora_infestans	Phytophthora	GH1_PITG_21554T0	Oomycete	Phin	Phin_21554T0	Phin_21554T0
GH37	491	PITG_21660T0	700	4.70E-162	2	489	150	691	0.991853361	Phytophthora_infestans	Phytophthora	GH37_PITG_21660T0	Oomycete	Phin	Phin_21660T0	Phin_21660T0
PL3	197	PITG_21714T0	175	2.70E-64	25	188	1	165	0.827411168	Phytophthora_infestans	Phytophthora	PL3_PITG_21714T0	Oomycete	Phin	Phin_21714T0	Phin_21714T0
GT8	257	PITG_21853T0	495	6.30E-12	49	205	2	143	0.607003891	Phytophthora_infestans	Phytophthora	GT8_PITG_21853T0	Oomycete	Phin	Phin_21853T0	Phin_21853T0
GH28	325	PITG_21925T0	260	3.10E-41	101	317	44	260	0.664615385	Phytophthora_infestans	Phytophthora	GH28_PITG_21925T0	Oomycete	Phin	Phin_21925T0	Phin_21925T0
GT59	404	PITG_21941T0	237	3.00E-61	3	177	42	218	0.430693069	Phytophthora_infestans	Phytophthora	GT59_PITG_21941T0	Oomycete	Phin	Phin_21941T0	Phin_21941T0
GT20	475	PITG_21962T0	901	5.70E-139	51	473	15	465	0.888421053	Phytophthora_infestans	Phytophthora	GT20_PITG_21962T0	Oomycete	Phin	Phin_21962T0	Phin_21962T0
GH12	156	PITG_21986T0	102	2.30E-25	51	156	1	100	0.673076923	Phytophthora_infestans	Phytophthora	GH12_PITG_21986T0	Oomycete	Phin	Phin_21986T0	Phin_21986T0
GH78	504	PITG_22085T0	442	9.60E-62	129	501	12	414	0.738095238	Phytophthora_infestans	Phytophthora	GH78_PITG_22085T0	Oomycete	Phin	Phin_22085T0	Phin_22085T0
GH3	216	PITG_22095T0	558	9.90E-63	5	206	58	269	0.930555556	Phytophthora_infestans	Phytophthora	GH3_PITG_22095T0	Oomycete	Phin	Phin_22095T0	Phin_22095T0
GH131	255	PITG_22133T0	161	3.30E-10	161	253	4	101	0.360784314	Phytophthora_infestans	Phytophthora	GH131_PITG_22133T0	Oomycete	Phin	Phin_22133T0	Phin_22133T0
PL3	197	PITG_22166T0	135	9.00E-51	25	156	1	133	0.664974619	Phytophthora_infestans	Phytophthora	PL3_PITG_22166T0	Oomycete	Phin	Phin_22166T0	Phin_22166T0
GH12	156	PITG_22202T0	102	2.30E-25	51	156	1	100	0.673076923	Phytophthora_infestans	Phytophthora	GH12_PITG_22202T0	Oomycete	Phin	Phin_22202T0	Phin_22202T0
PL3	197	PITG_22227T0	232	6.10E-70	12	186	2	177	0.883248731	Phytophthora_infestans	Phytophthora	PL3_PITG_22227T0	Oomycete	Phin	Phin_22227T0	Phin_22227T0
GT71	264	PITG_22379T0	182	1.90E-11	177	257	1	80	0.303030303	Phytophthora_infestans	Phytophthora	GT71_PITG_22379T0	Oomycete	Phin	Phin_22379T0	Phin_22379T0
GH72	312	PITG_22383T0	278	8.60E-22	50	147	14	113	0.310897436	Phytophthora_infestans	Phytophthora	GH72_PITG_22383T0	Oomycete	Phin	Phin_22383T0	Phin_22383T0
AA6	195	PITG_22462T0	64	7.50E-19	133	195	1	61	0.317948718	Phytophthora_infestans	Phytophthora	AA6_PITG_22462T0	Oomycete	Phin	Phin_22462T0	Phin_22462T0
GT33	425	PITG_22649T0	169	4.90E-47	7	143	1	139	0.32	Phytophthora_infestans	Phytophthora	GT33_PITG_22649T0	Oomycete	Phin	Phin_22649T0	Phin_22649T0
CE13	355	PITG_22718T0	505	3.30E-25	25	195	106	294	0.478873239	Phytophthora_infestans	Phytophthora	CE13_PITG_22718T0	Oomycete	Phin	Phin_22718T0	Phin_22718T0
GH54	316	PITG_22758T0	353	8.30E-137	1	314	20	328	0.990506329	Phytophthora_infestans	Phytophthora	GH54_PITG_22758T0	Oomycete	Phin	Phin_22758T0	Phin_22758T0_secreted
CE1	227	PITG_22946T0	228	4.60E-10	15	207	15	205	0.845814978	Phytophthora_infestans	Phytophthora	CE1_PITG_22946T0	Oomycete	Phin	Phin_22946T0	Phin_22946T0
CE1	227	PITG_22947T0	161	0.00000065	97	208	38	135	0.488986784	Phytophthora_infestans	Phytophthora	CE1_PITG_22947T0	Oomycete	Phin	Phin_22947T0	Phin_22947T0
CE12	210	PITG_23045T0	244	1.00E-14	2	161	35	210	0.757142857	Phytophthora_infestans	Phytophthora	CE12_PITG_23045T0	Oomycete	Phin	Phin_23045T0	Phin_23045T0
CBM38	129	KUF64342	3775	8.70E-22	4	128	3206	3424	0.96124031	Phytophthora_nicotianae	Phytophthora	CBM38_KUF64342	Oomycete	Phni	Phni_KUF64342	Phni_KUF64342_secreted
GH131	255	KUF64343	296	5.00E-18	37	252	58	265	0.843137255	Phytophthora_nicotianae	Phytophthora	GH131_KUF64343	Oomycete	Phni	Phni_KUF64343	Phni_KUF64343_secreted
GT8	257	KUF64358	448	0.00000014	129	234	301	398	0.408560311	Phytophthora_nicotianae	Phytophthora	GT8_KUF64358	Oomycete	Phni	Phni_KUF64358	Phni_KUF64358
GH35	307	KUF64365	2334	6.00E-87	1	306	1608	1909	0.993485342	Phytophthora_nicotianae	Phytophthora	GH35_KUF64365	Oomycete	Phni	Phni_KUF64365	Phni_KUF64365
GH131	255	KUF64366	359	1.80E-24	43	246	58	244	0.796078431	Phytophthora_nicotianae	Phytophthora	GH131_KUF64366	Oomycete	Phni	Phni_KUF64366	Phni_KUF64366_secreted
GH31	427	KUF64561	301	4.40E-61	262	426	1	168	0.384074942	Phytophthora_nicotianae	Phytophthora	GH31_KUF64561	Oomycete	Phni	Phni_KUF64561	Phni_KUF64561
GH81	622	KUF64608	755	2.50E-158	8	622	37	746	0.987138264	Phytophthora_nicotianae	Phytophthora	GH81_KUF64608	Oomycete	Phni	Phni_KUF64608	Phni_KUF64608
CE12	210	KUF64689	504	2.70E-15	2	162	20	193	0.761904762	Phytophthora_nicotianae	Phytophthora	CE12_KUF64689	Oomycete	Phni	Phni_KUF64689	Phni_KUF64689
CE12	210	KUF64689	504	4.00E-11	2	160	279	450	0.752380952	Phytophthora_nicotianae	Phytophthora	CE12_KUF64689	Oomycete	Phni	Phni_KUF64689	Phni_KUF64689
CE12	210	KUF64705	374	2.20E-11	2	160	122	299	0.752380952	Phytophthora_nicotianae	Phytophthora	CE12_KUF64705	Oomycete	Phni	Phni_KUF64705	Phni_KUF64705
CE12	210	KUF64710	320	7.00E-12	1	159	65	242	0.752380952	Phytophthora_nicotianae	Phytophthora	CE12_KUF64710	Oomycete	Phni	Phni_KUF64710	Phni_KUF64710
CE12	210	KUF64713	266	5.40E-13	2	163	33	209	0.766666667	Phytophthora_nicotianae	Phytophthora	CE12_KUF64713	Oomycete	Phni	Phni_KUF64713	Phni_KUF64713
CE12	210	KUF64715	314	1.40E-11	3	161	67	244	0.752380952	Phytophthora_nicotianae	Phytophthora	CE12_KUF64715	Oomycete	Phni	Phni_KUF64715	Phni_KUF64715
GH53	342	KUF64792	358	7.50E-83	1	332	24	339	0.967836257	Phytophthora_nicotianae	Phy					

GH3	216	KUF66783	781	4.60E-56	6	216	117	338	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF66783	Oomycete	Phni	Phni_KUF66783	Phni_KUF66783_secreted
AA7	458	KUF66799	516	1.80E-48	5	215	66	284	0.458515284	Phytophthora_nicotianae	Phytophthora	AA7_KUF66799	Oomycete	Phni	Phni_KUF66799	Phni_KUF66799_secreted
AA7	458	KUF66800	495	7.60E-46	5	214	59	262	0.456331878	Phytophthora_nicotianae	Phytophthora	AA7_KUF66800	Oomycete	Phni	Phni_KUF66800	Phni_KUF66800_secreted
AA7	458	KUF66801	507	2.40E-55	5	454	57	497	0.980349345	Phytophthora_nicotianae	Phytophthora	AA7_KUF66801	Oomycete	Phni	Phni_KUF66801	Phni_KUF66801_secreted
GH3	216	KUF66803	442	3.30E-61	5	215	97	318	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF66803	Oomycete	Phni	Phni_KUF66803	Phni_KUF66803
GH3	216	KUF66939	778	1.60E-54	4	201	112	315	0.912037037	Phytophthora_nicotianae	Phytophthora	GH3_KUF66939	Oomycete	Phni	Phni_KUF66939	Phni_KUF66939_secreted
GT20	475	KUF67060	917	7.00E-105	14	473	8	558	0.96631579	Phytophthora_nicotianae	Phytophthora	GT20_KUF67060	Oomycete	Phni	Phni_KUF67060	Phni_KUF67060
CE8	288	KUF67069	338	6.80E-75	8	273	43	314	0.920138889	Phytophthora_nicotianae	Phytophthora	CE8_KUF67069	Oomycete	Phni	Phni_KUF67069	Phni_KUF67069_secreted
CE8	288	KUF67084	338	6.80E-75	8	273	43	314	0.920138889	Phytophthora_nicotianae	Phytophthora	CE8_KUF67084	Oomycete	Phni	Phni_KUF67084	Phni_KUF67084_secreted
AA3	618	KUF68131	590	3.40E-105	84	400	30	569	0.511326861	Phytophthora_nicotianae	Phytophthora	AA3_KUF68131	Oomycete	Phni	Phni_KUF68131	Phni_KUF68131
AA3	618	KUF68132	584	3.60E-107	75	400	15	563	0.525889968	Phytophthora_nicotianae	Phytophthora	AA3_KUF68132	Oomycete	Phni	Phni_KUF68132	Phni_KUF68132
GT41	705	KUF68290	465	1.40E-11	43	260	147	358	0.307801418	Phytophthora_nicotianae	Phytophthora	GT41_KUF68290	Oomycete	Phni	Phni_KUF68290	Phni_KUF68290
GT71	264	KUF68453	586	5.80E-48	2	264	237	466	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF68453	Oomycete	Phni	Phni_KUF68453	Phni_KUF68453_secreted
CBM1	29	KUF69270	227	5.20E-13	1	29	188	216	0.965517241	Phytophthora_nicotianae	Phytophthora	CBM1_KUF69270	Oomycete	Phni	Phni_KUF69270	Phni_KUF69270_secreted
CBM1	29	KUF69270	227	1.30E-11	2	29	62	89	0.931034483	Phytophthora_nicotianae	Phytophthora	CBM1_KUF69270	Oomycete	Phni	Phni_KUF69270	Phni_KUF69270_secreted
CBM1	29	KUF69270	227	0.00071	15	29	160	174	0.482758621	Phytophthora_nicotianae	Phytophthora	CBM1_KUF69270	Oomycete	Phni	Phni_KUF69270	Phni_KUF69270_secreted
CBM1	29	KUF69273	322	0.000000002	2	26	288	312	0.827586207	Phytophthora_nicotianae	Phytophthora	CBM1_KUF69273	Oomycete	Phni	Phni_KUF69273	Phni_KUF69273_secreted
CE8	288	KUF70255	350	5.80E-76	3	273	46	326	0.9375	Phytophthora_nicotianae	Phytophthora	CE8_KUF70255	Oomycete	Phni	Phni_KUF70255	Phni_KUF70255_secreted
GH3	216	KUF70752	732	1.10E-60	5	216	67	289	0.976851852	Phytophthora_nicotianae	Phytophthora	GH3_KUF70752	Oomycete	Phni	Phni_KUF70752	Phni_KUF70752
CE12	210	KUF71974	128	0.000005	91	159	6	90	0.323809524	Phytophthora_nicotianae	Phytophthora	CE12_KUF71974	Oomycete	Phni	Phni_KUF71974	Phni_KUF71974
CE8	288	KUF71976	338	5.90E-76	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF71976	Oomycete	Phni	Phni_KUF71976	Phni_KUF71976_secreted
GT60	330	KUF72705	482	2.50E-61	2	330	62	376	0.993939394	Phytophthora_nicotianae	Phytophthora	GT60_KUF72705	Oomycete	Phni	Phni_KUF72705	Phni_KUF72705
GT7	250	KUF73085	1004	2.60E-56	30	249	3	238	0.876	Phytophthora_nicotianae	Phytophthora	GT7_KUF73085	Oomycete	Phni	Phni_KUF73085	Phni_KUF73085
GT22	389	KUF73369	5207	3.50E-106	5	362	4660	5044	0.917737789	Phytophthora_nicotianae	Phytophthora	GT22_KUF73369	Oomycete	Phni	Phni_KUF73369	Phni_KUF73369
GH17	311	KUF74011	291	9.10E-24	11	310	34	280	0.961414791	Phytophthora_nicotianae	Phytophthora	GH17_KUF74011	Oomycete	Phni	Phni_KUF74011	Phni_KUF74011_secreted
GH5	275	KUF74259	523	1.00E-38	24	241	217	506	0.789090909	Phytophthora_nicotianae	Phytophthora	GH5_KUF74259	Oomycete	Phni	Phni_KUF74259	Phni_KUF74259_secreted
GH3	216	KUF74971	759	1.80E-60	4	214	72	321	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF74971	Oomycete	Phni	Phni_KUF74971	Phni_KUF74971_secreted
GH1	429	KUF74973	533	9.00E-129	4	425	37	518	0.981351981	Phytophthora_nicotianae	Phytophthora	GH1_KUF74973	Oomycete	Phni	Phni_KUF74973	Phni_KUF74973_secreted
GH5	275	KUF74977	624	2.20E-31	3	240	215	566	0.861818182	Phytophthora_nicotianae	Phytophthora	GH5_KUF74977	Oomycete	Phni	Phni_KUF74977	Phni_KUF74977
GH5	275	KUF74978	645	4.30E-32	3	238	238	587	0.854545455	Phytophthora_nicotianae	Phytophthora	GH5_KUF74978	Oomycete	Phni	Phni_KUF74978	Phni_KUF74978
GT22	389	KUF74981	587	6.60E-90	2	389	40	465	0.994858612	Phytophthora_nicotianae	Phytophthora	GT22_KUF74981	Oomycete	Phni	Phni_KUF74981	Phni_KUF74981
GH16	189	KUF75631	734	0.000000002	129	189	464	573	0.317460318	Phytophthora_nicotianae	Phytophthora	GH16_KUF75631	Oomycete	Phni	Phni_KUF75631	Phni_KUF75631
GH16	189	KUF75631	734	0.0000013	4	97	78	236	0.492063492	Phytophthora_nicotianae	Phytophthora	GH16_KUF75631	Oomycete	Phni	Phni_KUF75631	Phni_KUF75631
GH131	255	KUF75648	327	1.40E-24	35	252	60	266	0.850980392	Phytophthora_nicotianae	Phytophthora	GH131_KUF75648	Oomycete	Phni	Phni_KUF75648	Phni_KUF75648_secreted
GH81	622	KUF75712	738	3.60E-144	4	622	91	731	0.993569132	Phytophthora_nicotianae	Phytophthora	GH81_KUF75712	Oomycete	Phni	Phni_KUF75712	Phni_KUF75712
CBM1	29	KUF75729	201	0.0000025	1	24	154	175	0.793103448	Phytophthora_nicotianae	Phytophthora	CBM1_KUF75729	Oomycete	Phni	Phni_KUF75729	Phni_KUF75729
CBM1	29	KUF75729	201	0.00016	3	27	79	101	0.827586207	Phytophthora_nicotianae	Phytophthora	CBM1_KUF75729	Oomycete	Phni	Phni_KUF75729	Phni_KUF75729
GH1	429	KUF75737	475	1.10E-175	3	428	5	472	0.990675991	Phytophthora_nicotianae	Phytophthora	GH1_KUF75737	Oomycete	Phni	Phni_KUF75737	Phni_KUF75737
GH1	429	KUF75738	475	2.40E-173	4	428	6	472	0.988344988	Phytophthora_nicotianae	Phytophthora	GH1_KUF75738	Oomycete	Phni	Phni_KUF75738	Phni_KUF75738
GT60	330	KUF75767	464	3.30E-45	3	329	119	436	0.987878788	Phytophthora_nicotianae	Phytophthora	GT60_KUF75767	Oomycete	Phni	Phni_KUF75767	Phni_KUF75767
CE13	355	KUF75773	476	7.10E-26	25	194	75	262	0.476056338	Phytophthora_nicotianae	Phytophthora	CE13_KUF75773	Oomycete	Phni	Phni_KUF75773	Phni_KUF75773_secreted
CE13	355	KUF75774	464	5.10E-26	25	183	77	253	0.445070423	Phytophthora_nicotianae	Phytophthora	CE13_KUF75774	Oomycete	Phni	Phni_KUF75774	Phni_KUF75774_secreted
GH81	622	KUF75801	845	1.00E-175	11	621	65	727	0.980707396	Phytophthora_nicotianae	Phytophthora	GH81_KUF75801	Oomycete	Phni	Phni_KUF75801	Phni_KUF75801
GT1	382	KUF75841	1514	1.50E-49	88	376	205	524	0.753926702	Phytophthora_nicotianae	Phytophthora	GT1_KUF75841	Oomycete	Phni	Phni_KUF75841	Phni_KUF75841
GT1	382	KUF75841	1514	1.40E-11	94	376	996	1333	0.738219895	Phytophthora_nicotianae	Phytophthora	GT1_KUF75841	Oomycete	Phni	Phni_KUF75841	Phni_KUF75841
GT1	382	KUF75843	1505	9.90E-53	92	375	241	555	0.740837696	Phytophthora_nicotianae	Phytophthora	GT1_KUF75843	Oomycete	Phni	Phni_KUF75843	Phni_KUF75843
GT1	382	KUF75843	1505	1.30E-16	196	375	1086	1308	0.468586387	Phytophthora_nicotianae	Phytophthora	GT1_KUF75843	Oomycete	Phni	Phni_KUF75843	Phni_KUF75843
GH38	269	KUF75912	1025	1.50E-72	1	268	45	346	0.992565056	Phytophthora_nicotianae	Phytophthora	GH38_KUF75912	Oomycete	Phni	Phni_KUF75912	Phni_KUF75912_secreted
GT62	268	KUF75914	410	2.90E-38	7	266	126	366	0.96641791	Phytophthora_nicotianae	Phytophthora	GT62_KUF75914	Oomycete	Phni	Phni_KUF75914	Phni_KUF75914
GT71	264	KUF76087	1990	2.80E-42	2	250	181	463	0.939393939	Phytophthora_nicotianae	Phytophthora	GT71_KUF76087	Oomycete	Phni	Phni_KUF76087	Phni_KUF76087
GT71	264	KUF76087	1990	7.10E-42	2	260	1607	1902	0.977272727	Phytophthora_nicotianae	Phytophthora	GT71_KUF76087	Oomycete	Phni	Phni_KUF76087	Phni_KUF76087
GT71	264	KUF76087	1990	3.40E-40	2	262	668	973	0.984848485	Phytophthora_nicotianae	Phytophthora	GT71_KUF76087	Oomycete	Phni	Phni_KUF76087	Phni_KUF76087
GT71	264	KUF76087	1990	3.40E-39	2	247	1147	1427	0.928030303	Phytophthora_nicotianae	Phytophthora	GT71_KUF76087	Oomycete	Phni	Phni_KUF76087	Phni_KUF76087
GT71	264	KUF76090	500	3.20E-44	2	249	111	394	0.935606061	Phytophthora_nicotianae	Phytophthora	GT71_KUF76090	Oomycete	Phni	Phni_KUF76090	Phni_KUF76090
GT48	739	KUF76095	2182	9.20E-274	2	703	804	1538	0.948579161	Phytophthora_nicotianae	Phytophthora	GT48_KUF76095	Oomycete	Phni	Phni_KUF76095	Phni_KUF76095
GH30	417	KUF76159	496	2.40E-60	10	416	24	491	0.973621103	Phytophthora_nicotianae	Phytophthora	GH30_KUF76159	Oomycete	Phni	Phni_KUF76159	Phni_KUF76159_secreted
GH30	417	KUF76160	498	1.90E-58	14	415	27	493	0.961630695	Phytophthora_nicotianae	Phytophthora	GH30_KUF76160	Oomycete	Phni	Phni_KUF76160	Phni_KUF76160_secreted
GH6	294	KUF76256	432	3.90E-25	193	290	180	268	0.329931973	Phytophthora_nicotianae	Phytophthora	GH6_KUF76256	Oomycete	Phni	Phni_KUF76256	Phni_KUF76256_secreted
GH6	294	KUF76256	432	3.20E-24	17	164	44	180	0.5	Phytophthora_nicotianae	Phytophthora	GH6_KUF76256	Oomycete	Phni	Phni_KUF76256	Phni_KUF76256_secreted
GH18	296	KUF76460	435	5.70E-40	29	279	97	413	0.844594595	Phytophthora_nicotianae	Phytophthora	GH18_KUF76460	Oomycete	Phni	Phni_KUF76460	Phni_KUF76460
CBM13	188	KUF76461	443	3.00E-19	8	135	315	439	0.675531915	Phytophthora_nicotianae	Phytophthora	CBM13_KUF76461	Oomycete	Phni	Phni_KUF76461	Phni_KUF76461_secreted
GH17	311	KUF76461	443	1.30E-22	12	306	46	300	0.945337621	Phytophthora_nicotianae	Phytophthora	GH17_KUF76461	Oomycete	Phni	Phni_KUF76461	Phni_KUF76461_secreted
GT71	264	KUF76549	485	1.50E-47	2	262	89	384	0.984848485	Phytophthora_nicotianae	Phytophthora	GT71_KUF76549	Oomycete	Phni	Phni_KUF76549	Phni_KUF76549
GT41	705	KUF76558	894	3.50E-51	133	514	310	835	0.540425532	Phytophthora_nicotianae	Phytophthora	GT41_KUF76558	Oomycete	Phni	Phni_KUF76558	Phni_KUF76558_secreted
CE10	341	KUF76566	313	3.00E-37	81	308	45	271	0.66568915	Phytophthora_nicotianae	Phytophthora	CE10_KUF76566	Oomycete	Phni	Phni_KUF76566	Phni_KUF76566
GH12	156	KUF76576	238	7.40E-46	2	156	89	237	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUF76576	Oomycete	Phni	Phni_KUF76576	Phni_KUF76576_secreted
GH12	156	KUF76577	241	1.70E-44	2	156	91	240	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUF76577	Oomycete	Phni	Phni_KUF76577	Phni_KUF76577_secreted
GH17	311	KUF76602	332	8.20E-19	27	306	33	277	0.897106109	Phytophthora_nicotianae	Phytophthora	GH17_KUF76602	Oomycete	Phni	Phni_KUF76602	Phni_KUF76602
GT1	382	KUF76616	1492	2.30E-51	92	377	211	527	0.746073298	Phytophthora_nicotianae	Phytophthora</					

GT1	382	KUF76617	1304	7.30E-12	197	375	929	1143	0.465968586	Phytophthora_nicotianae	Phytophthora	GT1_KUF76617	Oomycete	Phni	Phni_KUF76617	Phni_KUF76617
AA4	522	KUF76710	488	4.10E-18	47	243	61	248	0.375478927	Phytophthora_nicotianae	Phytophthora	AA4_KUF76710	Oomycete	Phni	Phni_KUF76710	Phni_KUF76710
AA4	522	KUF76711	954	1.10E-19	53	249	44	231	0.375478927	Phytophthora_nicotianae	Phytophthora	AA4_KUF76711	Oomycete	Phni	Phni_KUF76711	Phni_KUF76711
AA2	255	KUF76722	687	1.10E-26	26	253	457	680	0.890196078	Phytophthora_nicotianae	Phytophthora	AA2_KUF76722	Oomycete	Phni	Phni_KUF76722	Phni_KUF76722_secreted
AA2	255	KUF76722	687	3.00E-23	14	126	74	188	0.439215686	Phytophthora_nicotianae	Phytophthora	AA2_KUF76722	Oomycete	Phni	Phni_KUF76722	Phni_KUF76722_secreted
AA2	255	KUF76723	687	1.10E-26	26	253	457	680	0.890196078	Phytophthora_nicotianae	Phytophthora	AA2_KUF76723	Oomycete	Phni	Phni_KUF76723	Phni_KUF76723_secreted
AA2	255	KUF76723	687	3.00E-23	14	126	74	188	0.439215686	Phytophthora_nicotianae	Phytophthora	AA2_KUF76723	Oomycete	Phni	Phni_KUF76723	Phni_KUF76723_secreted
GT57	481	KUF76734	433	1.20E-92	2	274	35	303	0.565488566	Phytophthora_nicotianae	Phytophthora	GT57_KUF76734	Oomycete	Phni	Phni_KUF76734	Phni_KUF76734
PL1	202	KUF76759	461	2.80E-37	17	200	117	315	0.905940594	Phytophthora_nicotianae	Phytophthora	PL1_KUF76759	Oomycete	Phni	Phni_KUF76759	Phni_KUF76759_secreted
CBM13	188	KUF76868	213	0.00055	39	111	43	115	0.382978723	Phytophthora_nicotianae	Phytophthora	CBM13_KUF76868	Oomycete	Phni	Phni_KUF76868	Phni_KUF76868
CBM47	128	KUF76873	601	4.90E-14	2	125	318	452	0.9609375	Phytophthora_nicotianae	Phytophthora	CBM47_KUF76873	Oomycete	Phni	Phni_KUF76873	Phni_KUF76873
GH3	216	KUF76903	813	1.90E-58	4	214	74	321	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF76903	Oomycete	Phni	Phni_KUF76903	Phni_KUF76903_secreted
GT66	693	KUF76982	885	3.80E-170	11	603	64	694	0.854256854	Phytophthora_nicotianae	Phytophthora	GT66_KUF76982	Oomycete	Phni	Phni_KUF76982	Phni_KUF76982
GT20	475	KUF77027	1023	2.80E-192	9	474	182	660	0.978947368	Phytophthora_nicotianae	Phytophthora	GT20_KUF77027	Oomycete	Phni	Phni_KUF77027	Phni_KUF77027
GH47	446	KUF77076	698	2.60E-126	10	444	1	493	0.97309417	Phytophthora_nicotianae	Phytophthora	GH47_KUF77076	Oomycete	Phni	Phni_KUF77076	Phni_KUF77076
GT31	192	KUF77085	1432	0.0000057	54	140	164	237	0.447916667	Phytophthora_nicotianae	Phytophthora	GT31_KUF77085	Oomycete	Phni	Phni_KUF77085	Phni_KUF77085
PL6	372	KUF77250	2529	0.0000002	8	155	1680	1831	0.39516129	Phytophthora_nicotianae	Phytophthora	PL6_KUF77250	Oomycete	Phni	Phni_KUF77250	Phni_KUF77250
AA3	618	KUF77332	590	2.30E-107	74	400	20	569	0.527508091	Phytophthora_nicotianae	Phytophthora	AA3_KUF77332	Oomycete	Phni	Phni_KUF77332	Phni_KUF77332
GT41	705	KUF77409	802	1.20E-83	79	531	29	582	0.641134752	Phytophthora_nicotianae	Phytophthora	GT41_KUF77409	Oomycete	Phni	Phni_KUF77409	Phni_KUF77409_secreted
GH3	216	KUF77436	778	1.40E-59	5	203	113	321	0.916666667	Phytophthora_nicotianae	Phytophthora	GH3_KUF77436	Oomycete	Phni	Phni_KUF77436	Phni_KUF77436_secreted
GH3	216	KUF77437	776	4.30E-61	5	215	111	332	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF77437	Oomycete	Phni	Phni_KUF77437	Phni_KUF77437_secreted
CE10	341	KUF77532	439	1.30E-36	86	338	169	423	0.739002933	Phytophthora_nicotianae	Phytophthora	CE10_KUF77532	Oomycete	Phni	Phni_KUF77532	Phni_KUF77532
CE10	341	KUF77538	255	1.30E-31	129	336	35	235	0.607038123	Phytophthora_nicotianae	Phytophthora	CE10_KUF77538	Oomycete	Phni	Phni_KUF77538	Phni_KUF77538
CE10	341	KUF77542	433	7.10E-32	80	317	169	408	0.695014663	Phytophthora_nicotianae	Phytophthora	CE10_KUF77542	Oomycete	Phni	Phni_KUF77542	Phni_KUF77542
GH28	325	KUF77587	218	1.20E-42	116	308	2	206	0.590769231	Phytophthora_nicotianae	Phytophthora	GH28_KUF77587	Oomycete	Phni	Phni_KUF77587	Phni_KUF77587
GH28	325	KUF77588	403	8.00E-62	6	307	88	391	0.926153846	Phytophthora_nicotianae	Phytophthora	GH28_KUF77588	Oomycete	Phni	Phni_KUF77588	Phni_KUF77588_secreted
GT71	264	KUF77615	603	1.30E-53	2	264	257	485	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF77615	Oomycete	Phni	Phni_KUF77615	Phni_KUF77615
GT71	264	KUF77616	497	7.90E-50	2	264	154	383	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF77616	Oomycete	Phni	Phni_KUF77616	Phni_KUF77616
CE14	124	KUF77671	167	2.40E-09	1	111	55	160	0.887096774	Phytophthora_nicotianae	Phytophthora	CE14_KUF77671	Oomycete	Phni	Phni_KUF77671	Phni_KUF77671
GH17	311	KUF77700	381	1.70E-18	44	306	111	333	0.84244373	Phytophthora_nicotianae	Phytophthora	GH17_KUF77700	Oomycete	Phni	Phni_KUF77700	Phni_KUF77700_secreted
GH1	429	KUF77731	580	4.30E-136	4	425	28	508	0.981351981	Phytophthora_nicotianae	Phytophthora	GH1_KUF77731	Oomycete	Phni	Phni_KUF77731	Phni_KUF77731
GH47	446	KUF77754	592	8.70E-137	1	446	144	588	0.997757848	Phytophthora_nicotianae	Phytophthora	GH47_KUF77754	Oomycete	Phni	Phni_KUF77754	Phni_KUF77754
GH28	325	KUF77782	467	1.70E-63	4	317	151	467	0.963076923	Phytophthora_nicotianae	Phytophthora	GH28_KUF77782	Oomycete	Phni	Phni_KUF77782	Phni_KUF77782_secreted
CE1	227	KUF77838	353	1.60E-11	10	221	80	340	0.929515419	Phytophthora_nicotianae	Phytophthora	CE1_KUF77838	Oomycete	Phni	Phni_KUF77838	Phni_KUF77838_secreted
GH81	622	KUF77865	1084	2.60E-156	17	622	72	771	0.97266881	Phytophthora_nicotianae	Phytophthora	GH81_KUF77865	Oomycete	Phni	Phni_KUF77865	Phni_KUF77865
CBM20	90	KUF77886	1224	0.0002	2	68	21	101	0.733333333	Phytophthora_nicotianae	Phytophthora	CBM20_KUF77886	Oomycete	Phni	Phni_KUF77886	Phni_KUF77886
GT20	475	KUF77886	1224	1.40E-128	5	475	264	765	0.989473684	Phytophthora_nicotianae	Phytophthora	GT20_KUF77886	Oomycete	Phni	Phni_KUF77886	Phni_KUF77886
CE12	210	KUF77898	247	5.60E-14	2	205	13	205	0.966666667	Phytophthora_nicotianae	Phytophthora	CE12_KUF77898	Oomycete	Phni	Phni_KUF77898	Phni_KUF77898
GH3	216	KUF77928	762	4.40E-44	14	201	116	303	0.865740741	Phytophthora_nicotianae	Phytophthora	GH3_KUF77928	Oomycete	Phni	Phni_KUF77928	Phni_KUF77928_secreted
CE1	227	KUF77945	228	1.00E-11	21	208	12	202	0.823788546	Phytophthora_nicotianae	Phytophthora	CE1_KUF77945	Oomycete	Phni	Phni_KUF77945	Phni_KUF77945
CE1	227	KUF77946	228	1.40E-10	15	207	15	205	0.845814978	Phytophthora_nicotianae	Phytophthora	CE1_KUF77946	Oomycete	Phni	Phni_KUF77946	Phni_KUF77946
GT71	264	KUF77998	626	1.50E-43	2	264	231	465	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF77998	Oomycete	Phni	Phni_KUF77998	Phni_KUF77998
GT71	264	KUF77999	584	1.90E-48	2	264	204	436	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF77999	Oomycete	Phni	Phni_KUF77999	Phni_KUF77999
GT71	264	KUF78000	656	7.40E-49	2	264	263	496	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78000	Oomycete	Phni	Phni_KUF78000	Phni_KUF78000
CE13	355	KUF78001	479	6.40E-31	25	253	140	386	0.642253521	Phytophthora_nicotianae	Phytophthora	CE13_KUF78001	Oomycete	Phni	Phni_KUF78001	Phni_KUF78001
GT71	264	KUF78002	721	2.00E-51	2	264	328	562	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78002	Oomycete	Phni	Phni_KUF78002	Phni_KUF78002
GT71	264	KUF78003	481	2.10E-42	8	258	106	364	0.946969697	Phytophthora_nicotianae	Phytophthora	GT71_KUF78003	Oomycete	Phni	Phni_KUF78003	Phni_KUF78003
GT71	264	KUF78004	865	7.50E-54	1	264	496	731	0.996212121	Phytophthora_nicotianae	Phytophthora	GT71_KUF78004	Oomycete	Phni	Phni_KUF78004	Phni_KUF78004
GT71	264	KUF78006	599	4.40E-49	2	264	198	432	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78006	Oomycete	Phni	Phni_KUF78006	Phni_KUF78006
GT71	264	KUF78007	575	6.50E-51	2	264	208	442	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78007	Oomycete	Phni	Phni_KUF78007	Phni_KUF78007
GT71	264	KUF78009	578	5.80E-51	2	264	189	423	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78009	Oomycete	Phni	Phni_KUF78009	Phni_KUF78009_secreted
GT71	264	KUF78010	516	5.60E-44	2	264	157	389	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78010	Oomycete	Phni	Phni_KUF78010	Phni_KUF78010_secreted
GH28	325	KUF78020	512	3.40E-63	5	311	197	506	0.941538462	Phytophthora_nicotianae	Phytophthora	GH28_KUF78020	Oomycete	Phni	Phni_KUF78020	Phni_KUF78020_secreted
GH3	216	KUF78028	785	6.00E-58	5	203	113	321	0.916666667	Phytophthora_nicotianae	Phytophthora	GH3_KUF78028	Oomycete	Phni	Phni_KUF78028	Phni_KUF78028_secreted
CE12	210	KUF78059	291	1.40E-12	2	164	40	222	0.771428571	Phytophthora_nicotianae	Phytophthora	CE12_KUF78059	Oomycete	Phni	Phni_KUF78059	Phni_KUF78059
GT60	330	KUF78062	545	2.20E-59	2	330	71	384	0.993939394	Phytophthora_nicotianae	Phytophthora	GT60_KUF78062	Oomycete	Phni	Phni_KUF78062	Phni_KUF78062
GT60	330	KUF78063	524	3.20E-56	2	329	66	377	0.990909091	Phytophthora_nicotianae	Phytophthora	GT60_KUF78063	Oomycete	Phni	Phni_KUF78063	Phni_KUF78063
GH16	189	KUF78068	759	0.000000099	122	189	437	570	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF78068	Oomycete	Phni	Phni_KUF78068	Phni_KUF78068
GH16	189	KUF78068	759	0.00000065	4	91	68	225	0.46031746	Phytophthora_nicotianae	Phytophthora	GH16_KUF78068	Oomycete	Phni	Phni_KUF78068	Phni_KUF78068
CE11	271	KUF78078	315	1.00E-78	1	270	5	302	0.992619926	Phytophthora_nicotianae	Phytophthora	CE11_KUF78078	Oomycete	Phni	Phni_KUF78078	Phni_KUF78078
GH123	538	KUF78084	828	2.40E-61	102	510	271	778	0.758364312	Phytophthora_nicotianae	Phytophthora	GH123_KUF78084	Oomycete	Phni	Phni_KUF78084	Phni_KUF78084
CE1	227	KUF78110	303	1.30E-12	23	145	40	239	0.537444934	Phytophthora_nicotianae	Phytophthora	CE1_KUF78110	Oomycete	Phni	Phni_KUF78110	Phni_KUF78110
CE1	227	KUF78111	347	4.30E-11	17	193	38	294	0.775330397	Phytophthora_nicotianae	Phytophthora	CE1_KUF78111	Oomycete	Phni	Phni_KUF78111	Phni_KUF78111
CE1	227	KUF78114	322	8.10E-09	12	143	39	187	0.577092511	Phytophthora_nicotianae	Phytophthora	CE1_KUF78114	Oomycete	Phni	Phni_KUF78114	Phni_KUF78114
AA8	815	KUF78159	693	4.90E-79	233	780	12	557	0.671165644	Phytophthora_nicotianae	Phytophthora	AA8_KUF78159	Oomycete	Phni	Phni_KUF78159	Phni_KUF78159_secreted
CE8	288	KUF78196	345	3.10E-80	3	273	38	320	0.9375	Phytophthora_nicotianae	Phytophthora	CE8_KUF78196	Oomycete	Phni	Phni_KUF78196	Phni_KUF78196_secreted
GH10	303	KUF78210	386	2.50E-93	3	296	33	334	0.9669967	Phytophthora_nicotianae	Phytophthora	GH10_KUF78210	Oomycete	Phni	Phni_KUF78210	Phni_KUF78210_secreted
CE1	227	KUF78247	421	0.00000019	25	143	77	235	0.519823789	Phytophthora_nicotianae	Phytophthora	CE1_KUF78247	Oomycete	Phni	Phni_KUF78247	Phni_KUF78247_secreted
CE1	227	KUF78310	299	0.00000039	15	143	34	221	0.563876652	Phytophthora_nicotianae						

GH72	312	KUF78380	493	5.20E-82	3	284	20	329	0.900641026	Phytophthora_nicotianae	Phytophthora	GH72_KUF78380	Oomycete	Phni	Phni_KUF78380	Phni_KUF78380_secreted
GH72	312	KUF78381	504	2.10E-80	4	282	22	327	0.891025641	Phytophthora_nicotianae	Phytophthora	GH72_KUF78381	Oomycete	Phni	Phni_KUF78381	Phni_KUF78381_secreted
GH72	312	KUF78382	456	7.00E-34	139	284	111	279	0.46474359	Phytophthora_nicotianae	Phytophthora	GH72_KUF78382	Oomycete	Phni	Phni_KUF78382	Phni_KUF78382_secreted
CBM63	78	KUF78424	362	0.0000025	4	73	137	205	0.884615385	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78424	Oomycete	Phni	Phni_KUF78424	Phni_KUF78424_secreted
CBM63	78	KUF78426	611	0.000000065	2	74	140	213	0.923076923	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78426	Oomycete	Phni	Phni_KUF78426	Phni_KUF78426_secreted
CBM63	78	KUF78427	223	0.000000071	4	72	141	208	0.871794872	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78427	Oomycete	Phni	Phni_KUF78427	Phni_KUF78427_secreted
CBM63	78	KUF78429	391	0.00000094	4	72	143	209	0.871794872	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78429	Oomycete	Phni	Phni_KUF78429	Phni_KUF78429_secreted
CBM63	78	KUF78431	283	0.000000013	4	71	142	208	0.858974359	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78431	Oomycete	Phni	Phni_KUF78431	Phni_KUF78431_secreted
CBM63	78	KUF78432	519	5.30E-09	2	75	137	211	0.935897436	Phytophthora_nicotianae	Phytophthora	CBM63_KUF78432	Oomycete	Phni	Phni_KUF78432	Phni_KUF78432_secreted
AA6	195	KUF78434	200	1.60E-76	2	195	4	197	0.98974359	Phytophthora_nicotianae	Phytophthora	AA6_KUF78434	Oomycete	Phni	Phni_KUF78434	Phni_KUF78434_secreted
GH63	570	KUF78496	892	1.00E-24	317	567	598	890	0.438596491	Phytophthora_nicotianae	Phytophthora	GH63_KUF78496	Oomycete	Phni	Phni_KUF78496	Phni_KUF78496_secreted
GH10	303	KUF78530	1387	4.00E-85	3	289	66	362	0.943894389	Phytophthora_nicotianae	Phytophthora	GH10_KUF78530	Oomycete	Phni	Phni_KUF78530	Phni_KUF78530_secreted
GH10	303	KUF78532	355	1.20E-88	2	289	35	332	0.94719472	Phytophthora_nicotianae	Phytophthora	GH10_KUF78532	Oomycete	Phni	Phni_KUF78532	Phni_KUF78532_secreted
CE8	288	KUF78537	350	7.20E-75	8	275	48	328	0.927083333	Phytophthora_nicotianae	Phytophthora	CE8_KUF78537	Oomycete	Phni	Phni_KUF78537	Phni_KUF78537_secreted
CE8	288	KUF78538	351	9.10E-73	9	274	49	328	0.920138889	Phytophthora_nicotianae	Phytophthora	CE8_KUF78538	Oomycete	Phni	Phni_KUF78538	Phni_KUF78538_secreted
GH37	491	KUF78617	590	1.50E-159	1	491	39	585	0.99796334	Phytophthora_nicotianae	Phytophthora	GH37_KUF78617	Oomycete	Phni	Phni_KUF78617	Phni_KUF78617_secreted
CBM20	90	KUF78629	1173	0.000000075	2	82	105	189	0.888888889	Phytophthora_nicotianae	Phytophthora	CBM20_KUF78629	Oomycete	Phni	Phni_KUF78629	Phni_KUF78629_secreted
GT20	475	KUF78629	1173	7.00E-131	14	474	314	810	0.968421053	Phytophthora_nicotianae	Phytophthora	GT20_KUF78629	Oomycete	Phni	Phni_KUF78629	Phni_KUF78629_secreted
GH37	491	KUF78633	726	3.60E-161	2	489	171	717	0.991853361	Phytophthora_nicotianae	Phytophthora	GH37_KUF78633	Oomycete	Phni	Phni_KUF78633	Phni_KUF78633_secreted
GT31	192	KUF78643	370	1.20E-17	41	182	111	265	0.734375	Phytophthora_nicotianae	Phytophthora	GT31_KUF78643	Oomycete	Phni	Phni_KUF78643	Phni_KUF78643_secreted
GT31	192	KUF78645	428	6.70E-18	5	183	114	297	0.927083333	Phytophthora_nicotianae	Phytophthora	GT31_KUF78645	Oomycete	Phni	Phni_KUF78645	Phni_KUF78645_secreted
GH31	427	KUF78666	974	5.40E-126	2	427	406	831	0.995316159	Phytophthora_nicotianae	Phytophthora	GH31_KUF78666	Oomycete	Phni	Phni_KUF78666	Phni_KUF78666_secreted
GT71	264	KUF78713	465	9.60E-45	2	264	128	359	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF78713	Oomycete	Phni	Phni_KUF78713	Phni_KUF78713_secreted
GH3	216	KUF78764	743	1.00E-58	5	214	2	250	0.967592593	Phytophthora_nicotianae	Phytophthora	GH3_KUF78764	Oomycete	Phni	Phni_KUF78764	Phni_KUF78764_secreted
PL3	197	KUF78842	611	1.80E-66	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78842	Oomycete	Phni	Phni_KUF78842	Phni_KUF78842_secreted
PL3	197	KUF78848	736	1.90E-66	2	196	28	225	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78848	Oomycete	Phni	Phni_KUF78848	Phni_KUF78848_secreted
PL3	197	KUF78848	736	2.50E-66	2	196	509	706	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78848	Oomycete	Phni	Phni_KUF78848	Phni_KUF78848_secreted
CE3	194	KUF78863	268	4.10E-09	53	189	89	236	0.701030928	Phytophthora_nicotianae	Phytophthora	CE3_KUF78863	Oomycete	Phni	Phni_KUF78863	Phni_KUF78863_secreted
GH28	325	KUF78896	4842	9.80E-26	174	307	3	144	0.409230769	Phytophthora_nicotianae	Phytophthora	GH28_KUF78896	Oomycete	Phni	Phni_KUF78896	Phni_KUF78896_secreted
PL3	197	KUF78900	678	1.20E-67	2	196	28	225	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78900	Oomycete	Phni	Phni_KUF78900	Phni_KUF78900_secreted
PL3	197	KUF78900	678	5.40E-66	2	187	453	638	0.939086294	Phytophthora_nicotianae	Phytophthora	PL3_KUF78900	Oomycete	Phni	Phni_KUF78900	Phni_KUF78900_secreted
GH17	311	KUF78903	288	1.80E-14	2	305	29	283	0.974276527	Phytophthora_nicotianae	Phytophthora	GH17_KUF78903	Oomycete	Phni	Phni_KUF78903	Phni_KUF78903_secreted
GH5	275	KUF78941	412	4.80E-35	28	244	103	393	0.785454546	Phytophthora_nicotianae	Phytophthora	GH5_KUF78941	Oomycete	Phni	Phni_KUF78941	Phni_KUF78941_secreted
GH5	275	KUF78944	687	5.10E-43	28	238	152	435	0.763636364	Phytophthora_nicotianae	Phytophthora	GH5_KUF78944	Oomycete	Phni	Phni_KUF78944	Phni_KUF78944_secreted
PL1	202	KUF78948	439	2.70E-42	21	200	125	318	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF78948	Oomycete	Phni	Phni_KUF78948	Phni_KUF78948_secreted
GH72	312	KUF78961	313	1.40E-62	5	258	20	307	0.810897436	Phytophthora_nicotianae	Phytophthora	GH72_KUF78961	Oomycete	Phni	Phni_KUF78961	Phni_KUF78961_secreted
PL3	197	KUF78972	567	3.70E-65	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78972	Oomycete	Phni	Phni_KUF78972	Phni_KUF78972_secreted
PL3	197	KUF78972	567	4.00E-64	2	193	341	536	0.969543147	Phytophthora_nicotianae	Phytophthora	PL3_KUF78972	Oomycete	Phni	Phni_KUF78972	Phni_KUF78972_secreted
PL3	197	KUF78973	567	3.70E-65	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF78973	Oomycete	Phni	Phni_KUF78973	Phni_KUF78973_secreted
PL3	197	KUF78973	567	5.10E-64	2	193	341	536	0.969543147	Phytophthora_nicotianae	Phytophthora	PL3_KUF78973	Oomycete	Phni	Phni_KUF78973	Phni_KUF78973_secreted
GH16	189	KUF78987	743	2.70E-11	122	189	405	556	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF78987	Oomycete	Phni	Phni_KUF78987	Phni_KUF78987_secreted
GH16	189	KUF78987	743	0.00000012	4	116	61	277	0.592592593	Phytophthora_nicotianae	Phytophthora	GH16_KUF78987	Oomycete	Phni	Phni_KUF78987	Phni_KUF78987_secreted
GH43	248	KUF79087	315	3.80E-41	12	247	34	313	0.947580645	Phytophthora_nicotianae	Phytophthora	GH43_KUF79087	Oomycete	Phni	Phni_KUF79087	Phni_KUF79087_secreted
GT45	115	KUF79089	426	0.000002	32	98	198	266	0.573913044	Phytophthora_nicotianae	Phytophthora	GT45_KUF79089	Oomycete	Phni	Phni_KUF79089	Phni_KUF79089_secreted
GH43	248	KUF79093	322	1.70E-42	11	247	33	320	0.951612903	Phytophthora_nicotianae	Phytophthora	GH43_KUF79093	Oomycete	Phni	Phni_KUF79093	Phni_KUF79093_secreted
PL1	202	KUF79094	400	8.50E-38	20	201	121	318	0.896039604	Phytophthora_nicotianae	Phytophthora	PL1_KUF79094	Oomycete	Phni	Phni_KUF79094	Phni_KUF79094_secreted
GH43	248	KUF79095	322	4.10E-46	1	247	21	320	0.991935484	Phytophthora_nicotianae	Phytophthora	GH43_KUF79095	Oomycete	Phni	Phni_KUF79095	Phni_KUF79095_secreted
GH43	248	KUF79096	316	8.90E-44	12	247	28	314	0.947580645	Phytophthora_nicotianae	Phytophthora	GH43_KUF79096	Oomycete	Phni	Phni_KUF79096	Phni_KUF79096_secreted
PL1	202	KUF79099	515	1.20E-39	21	201	112	307	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF79099	Oomycete	Phni	Phni_KUF79099	Phni_KUF79099_secreted
PL1	202	KUF79101	398	3.50E-40	20	201	121	316	0.896039604	Phytophthora_nicotianae	Phytophthora	PL1_KUF79101	Oomycete	Phni	Phni_KUF79101	Phni_KUF79101_secreted
PL1	202	KUF79104	449	1.50E-36	20	201	121	318	0.896039604	Phytophthora_nicotianae	Phytophthora	PL1_KUF79104	Oomycete	Phni	Phni_KUF79104	Phni_KUF79104_secreted
GH16	189	KUF79135	704	1.40E-12	122	189	404	537	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF79135	Oomycete	Phni	Phni_KUF79135	Phni_KUF79135_secreted
GH16	189	KUF79136	725	2.00E-11	129	189	447	557	0.317460318	Phytophthora_nicotianae	Phytophthora	GH16_KUF79136	Oomycete	Phni	Phni_KUF79136	Phni_KUF79136_secreted
PL1	202	KUF79171	470	1.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF79171	Oomycete	Phni	Phni_KUF79171	Phni_KUF79171_secreted
PL1	202	KUF79172	470	1.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF79172	Oomycete	Phni	Phni_KUF79172	Phni_KUF79172_secreted
PL1	202	KUF79173	443	1.00E-37	21	201	122	317	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF79173	Oomycete	Phni	Phni_KUF79173	Phni_KUF79173_secreted
GH1	429	KUF79192	571	1.20E-136	4	426	28	509	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUF79192	Oomycete	Phni	Phni_KUF79192	Phni_KUF79192_secreted
CBM50	40	KUF79203	1659	0.00000012	4	39	1513	1552	0.875	Phytophthora_nicotianae	Phytophthora	CBM50_KUF79203	Oomycete	Phni	Phni_KUF79203	Phni_KUF79203_secreted
PL3	197	KUF79292	281	3.00E-64	4	191	32	234	0.949238579	Phytophthora_nicotianae	Phytophthora	PL3_KUF79292	Oomycete	Phni	Phni_KUF79292	Phni_KUF79292_secreted
GT41	705	KUF79295	848	4.10E-37	157	484	353	817	0.463829787	Phytophthora_nicotianae	Phytophthora	GT41_KUF79295	Oomycete	Phni	Phni_KUF79295	Phni_KUF79295_secreted
GH17	311	KUF79306	366	1.60E-24	11	306	47	305	0.948553055	Phytophthora_nicotianae	Phytophthora	GH17_KUF79306	Oomycete	Phni	Phni_KUF79306	Phni_KUF79306_secreted
GT2	168	KUF79333	1019	4.40E-09	2	107	344	529	0.625	Phytophthora_nicotianae	Phytophthora	GT2_KUF79333	Oomycete	Phni	Phni_KUF79333	Phni_KUF79333_secreted
GH12	156	KUF79334	240	2.90E-43	2	156	91	239	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUF79334	Oomycete	Phni	Phni_KUF79334	Phni_KUF79334_secreted
GT48	739	KUF79364	2286	9.10E-259	2	661	860	1552	0.891745602	Phytophthora_nicotianae	Phytophthora	GT48_KUF79364	Oomycete	Phni	Phni_KUF79364	Phni_KUF79364_secreted
CBM51	134	KUF79365	4952	1.30E-15	9	134	709	861	0.932835821	Phytophthora_nicotianae	Phytophthora	CBM51_KUF79365	Oomycete	Phni	Phni_KUF79365	Phni_KUF79365_secreted
GH47	446	KUF79386	503	1.20E-135	1	446	59	498	0.997757848	Phytophthora_nicotianae	Phytophthora	GH47_KUF79386	Oomycete	Phni	Phni_KUF79386	Phni_KUF79386_secreted
GT20	475	KUF79396	905	1.00E-144	14	473	12	505	0.96631579	Phytophthora_nicotianae	Phytophthora	GT20_KUF79396	Oomycete	Phni	Phni_KUF79396	Phni_KUF79396_secreted
GH5	275	KUF79417	582	4.20E-33	3	240	169	523	0.861818182	Phytophthora_nicotianae	Phytophthora	GH5_KUF79417	Oomycete	Phni	Phni_KUF79417	Phni_KUF79417_secreted
GH5	275															

GH3	216	KUF79466	790	1.10E-64	5	207	125	337	0.935185185	Phytophthora_nicotianae	Phytophthora	GH3_KUF79466	Oomycete	Phni	Phni_KUF79466	Phni_KUF79466_secreted
GH3	216	KUF79467	811	2.50E-62	5	201	110	316	0.907407407	Phytophthora_nicotianae	Phytophthora	GH3_KUF79467	Oomycete	Phni	Phni_KUF79467	Phni_KUF79467_secreted
GH105	332	KUF79604	398	3.40E-46	19	332	57	395	0.942771084	Phytophthora_nicotianae	Phytophthora	GH105_KUF79604	Oomycete	Phni	Phni_KUF79604	Phni_KUF79604_secreted
PL4	567	KUF79733	543	2.40E-104	4	565	24	531	0.989417989	Phytophthora_nicotianae	Phytophthora	PL4_KUF79733	Oomycete	Phni	Phni_KUF79733	Phni_KUF79733_secreted
GH17	311	KUF79751	233	2.90E-20	43	309	4	233	0.855305466	Phytophthora_nicotianae	Phytophthora	GH17_KUF79751	Oomycete	Phni	Phni_KUF79751	Phni_KUF79751_secreted
GH81	622	KUF79762	757	1.60E-176	11	621	70	731	0.980707396	Phytophthora_nicotianae	Phytophthora	GH81_KUF79762	Oomycete	Phni	Phni_KUF79762	Phni_KUF79762_secreted
GH81	622	KUF79769	956	3.60E-176	11	621	94	755	0.980707396	Phytophthora_nicotianae	Phytophthora	GH81_KUF79769	Oomycete	Phni	Phni_KUF79769	Phni_KUF79769_secreted
GH7	415	KUF79776	458	2.40E-138	2	414	26	458	0.992771084	Phytophthora_nicotianae	Phytophthora	GH7_KUF79776	Oomycete	Phni	Phni_KUF79776	Phni_KUF79776_secreted
GH78	504	KUF79819	847	2.60E-64	115	501	403	819	0.765873016	Phytophthora_nicotianae	Phytophthora	GH78_KUF79819	Oomycete	Phni	Phni_KUF79819	Phni_KUF79819_secreted
GH78	504	KUF79820	850	1.50E-63	107	502	397	821	0.783730159	Phytophthora_nicotianae	Phytophthora	GH78_KUF79820	Oomycete	Phni	Phni_KUF79820	Phni_KUF79820_secreted
GH78	504	KUF79830	835	7.50E-64	107	502	376	800	0.783730159	Phytophthora_nicotianae	Phytophthora	GH78_KUF79830	Oomycete	Phni	Phni_KUF79830	Phni_KUF79830_secreted
CE1	227	KUF79851	570	0.0000011	78	191	79	258	0.497797357	Phytophthora_nicotianae	Phytophthora	CE1_KUF79851	Oomycete	Phni	Phni_KUF79851	Phni_KUF79851_secreted
CBM47	128	KUF79878	2033	0.000000005	5	79	955	1037	0.578125	Phytophthora_nicotianae	Phytophthora	CBM47_KUF79878	Oomycete	Phni	Phni_KUF79878	Phni_KUF79878_secreted
CBM25	78	KUF79888	865	1.40E-16	5	76	146	219	0.91025641	Phytophthora_nicotianae	Phytophthora	CBM25_KUF79888	Oomycete	Phni	Phni_KUF79888	Phni_KUF79888_secreted
GH13	299	KUF79888	865	9.70E-19	23	258	424	736	0.785953177	Phytophthora_nicotianae	Phytophthora	GH13_KUF79888	Oomycete	Phni	Phni_KUF79888	Phni_KUF79888_secreted
CBM43	83	KUF79930	721	6.50E-16	2	75	592	663	0.879518072	Phytophthora_nicotianae	Phytophthora	CBM43_KUF79930	Oomycete	Phni	Phni_KUF79930	Phni_KUF79930_secreted
GH5	275	KUF79930	721	1.50E-36	27	219	176	453	0.698181818	Phytophthora_nicotianae	Phytophthora	GH5_KUF79930	Oomycete	Phni	Phni_KUF79930	Phni_KUF79930_secreted
GT66	693	KUF79937	727	7.10E-150	11	601	7	677	0.851370851	Phytophthora_nicotianae	Phytophthora	GT66_KUF79937	Oomycete	Phni	Phni_KUF79937	Phni_KUF79937_secreted
GH16	189	KUF79954	747	1.60E-09	124	189	453	569	0.343915344	Phytophthora_nicotianae	Phytophthora	GH16_KUF79954	Oomycete	Phni	Phni_KUF79954	Phni_KUF79954_secreted
GH16	189	KUF79954	747	0.00000094	4	115	70	285	0.587301587	Phytophthora_nicotianae	Phytophthora	GH16_KUF79954	Oomycete	Phni	Phni_KUF79954	Phni_KUF79954_secreted
AA7	458	KUF79977	560	6.50E-12	6	186	75	263	0.3930131	Phytophthora_nicotianae	Phytophthora	AA7_KUF79977	Oomycete	Phni	Phni_KUF79977	Phni_KUF79977_secreted
CBM32	124	KUF79992	948	2.70E-09	7	107	266	373	0.806451613	Phytophthora_nicotianae	Phytophthora	CBM32_KUF79992	Oomycete	Phni	Phni_KUF79992	Phni_KUF79992_secreted
CE10	341	KUF80073	412	4.50E-30	74	333	98	385	0.759530792	Phytophthora_nicotianae	Phytophthora	CE10_KUF80073	Oomycete	Phni	Phni_KUF80073	Phni_KUF80073_secreted
GT60	330	KUF80074	424	1.70E-73	4	329	99	401	0.984848485	Phytophthora_nicotianae	Phytophthora	GT60_KUF80074	Oomycete	Phni	Phni_KUF80074	Phni_KUF80074_secreted
CE1	227	KUF80081	271	0.0000076	108	185	93	180	0.339207049	Phytophthora_nicotianae	Phytophthora	CE1_KUF80081	Oomycete	Phni	Phni_KUF80081	Phni_KUF80081_secreted
GT62	268	KUF80088	386	5.80E-39	7	266	102	342	0.96641791	Phytophthora_nicotianae	Phytophthora	GT62_KUF80088	Oomycete	Phni	Phni_KUF80088	Phni_KUF80088_secreted
GH31	427	KUF80134	1216	6.40E-96	113	427	574	980	0.735362998	Phytophthora_nicotianae	Phytophthora	GH31_KUF80134	Oomycete	Phni	Phni_KUF80134	Phni_KUF80134_secreted
CE10	341	KUF80137	716	7.10E-44	93	332	457	705	0.700879765	Phytophthora_nicotianae	Phytophthora	CE10_KUF80137	Oomycete	Phni	Phni_KUF80137	Phni_KUF80137_secreted
GT22	389	KUF80147	430	1.20E-36	137	364	105	330	0.583547558	Phytophthora_nicotianae	Phytophthora	GT22_KUF80147	Oomycete	Phni	Phni_KUF80147	Phni_KUF80147_secreted
GH89	663	KUF80295	772	3.60E-222	2	661	76	752	0.993966818	Phytophthora_nicotianae	Phytophthora	GH89_KUF80295	Oomycete	Phni	Phni_KUF80295	Phni_KUF80295_secreted
GH3	216	KUF80349	851	2.20E-60	5	205	147	357	0.925925926	Phytophthora_nicotianae	Phytophthora	GH3_KUF80349	Oomycete	Phni	Phni_KUF80349	Phni_KUF80349_secreted
AA2	255	KUF80465	337	3.60E-59	8	253	69	322	0.960784314	Phytophthora_nicotianae	Phytophthora	AA2_KUF80465	Oomycete	Phni	Phni_KUF80465	Phni_KUF80465_secreted
CBM43	83	KUF80469	750	2.60E-15	1	74	603	672	0.879518072	Phytophthora_nicotianae	Phytophthora	CBM43_KUF80469	Oomycete	Phni	Phni_KUF80469	Phni_KUF80469_secreted
GH5	275	KUF80469	750	9.40E-33	28	219	194	468	0.694545455	Phytophthora_nicotianae	Phytophthora	GH5_KUF80469	Oomycete	Phni	Phni_KUF80469	Phni_KUF80469_secreted
CBM43	83	KUF80499	691	1.40E-16	1	75	559	631	0.891566265	Phytophthora_nicotianae	Phytophthora	CBM43_KUF80499	Oomycete	Phni	Phni_KUF80499	Phni_KUF80499_secreted
GH5	275	KUF80499	691	7.70E-33	27	219	144	421	0.698181818	Phytophthora_nicotianae	Phytophthora	GH5_KUF80499	Oomycete	Phni	Phni_KUF80499	Phni_KUF80499_secreted
GH7	415	KUF80500	464	3.40E-180	1	414	26	464	0.995180723	Phytophthora_nicotianae	Phytophthora	GH7_KUF80500	Oomycete	Phni	Phni_KUF80500	Phni_KUF80500_secreted
CE14	124	KUF80517	412	0.000667	24	81	331	388	0.459677419	Phytophthora_nicotianae	Phytophthora	CE14_KUF80517	Oomycete	Phni	Phni_KUF80517	Phni_KUF80517_secreted
GT4	160	KUF80555	532	0.0000063	71	138	384	451	0.41875	Phytophthora_nicotianae	Phytophthora	GT4_KUF80555	Oomycete	Phni	Phni_KUF80555	Phni_KUF80555_secreted
GT4	160	KUF80557	552	0.00000035	79	136	414	471	0.35625	Phytophthora_nicotianae	Phytophthora	GT4_KUF80557	Oomycete	Phni	Phni_KUF80557	Phni_KUF80557_secreted
GT4	160	KUF80561	513	0.0000027	74	136	369	430	0.3875	Phytophthora_nicotianae	Phytophthora	GT4_KUF80561	Oomycete	Phni	Phni_KUF80561	Phni_KUF80561_secreted
GT4	160	KUF80565	561	0.00017	68	136	382	451	0.425	Phytophthora_nicotianae	Phytophthora	GT4_KUF80565	Oomycete	Phni	Phni_KUF80565	Phni_KUF80565_secreted
GT4	160	KUF80566	505	0.000012	75	138	363	426	0.39375	Phytophthora_nicotianae	Phytophthora	GT4_KUF80566	Oomycete	Phni	Phni_KUF80566	Phni_KUF80566_secreted
AA10	178	KUF80621	323	0.0000022	74	177	90	192	0.578651685	Phytophthora_nicotianae	Phytophthora	AA10_KUF80621	Oomycete	Phni	Phni_KUF80621	Phni_KUF80621_secreted
AA9	220	KUF80629	329	0.0000017	2	197	68	260	0.886363636	Phytophthora_nicotianae	Phytophthora	AA9_KUF80629	Oomycete	Phni	Phni_KUF80629	Phni_KUF80629_secreted
GH3	216	KUF80675	772	5.70E-69	3	215	64	314	0.981481482	Phytophthora_nicotianae	Phytophthora	GH3_KUF80675	Oomycete	Phni	Phni_KUF80675	Phni_KUF80675_secreted
CBM25	78	KUF80752	1019	6.80E-12	13	75	85	152	0.794871795	Phytophthora_nicotianae	Phytophthora	CBM25_KUF80752	Oomycete	Phni	Phni_KUF80752	Phni_KUF80752_secreted
CBM25	78	KUF80752	1019	0.00000063	40	77	12	48	0.474358974	Phytophthora_nicotianae	Phytophthora	CBM25_KUF80752	Oomycete	Phni	Phni_KUF80752	Phni_KUF80752_secreted
GH31	427	KUF80752	1019	6.60E-152	3	427	403	894	0.992974239	Phytophthora_nicotianae	Phytophthora	GH31_KUF80752	Oomycete	Phni	Phni_KUF80752	Phni_KUF80752_secreted
CE10	341	KUF80803	1223	6.90E-09	71	210	969	1129	0.407624633	Phytophthora_nicotianae	Phytophthora	CE10_KUF80803	Oomycete	Phni	Phni_KUF80803	Phni_KUF80803_secreted
GH81	622	KUF80872	791	2.00E-169	10	621	96	766	0.982315113	Phytophthora_nicotianae	Phytophthora	GH81_KUF80872	Oomycete	Phni	Phni_KUF80872	Phni_KUF80872_secreted
GH81	622	KUF80873	703	9.00E-142	11	533	99	686	0.839228296	Phytophthora_nicotianae	Phytophthora	GH81_KUF80873	Oomycete	Phni	Phni_KUF80873	Phni_KUF80873_secreted
GH5	275	KUF80887	371	1.60E-43	6	239	17	341	0.847272727	Phytophthora_nicotianae	Phytophthora	GH5_KUF80887	Oomycete	Phni	Phni_KUF80887	Phni_KUF80887_secreted
GT57	481	KUF80937	574	1.70E-145	3	477	26	550	0.985446985	Phytophthora_nicotianae	Phytophthora	GT57_KUF80937	Oomycete	Phni	Phni_KUF80937	Phni_KUF80937_secreted
AA6	195	KUF80950	308	7.90E-15	4	140	106	233	0.697435897	Phytophthora_nicotianae	Phytophthora	AA6_KUF80950	Oomycete	Phni	Phni_KUF80950	Phni_KUF80950_secreted
GH16	189	KUF81010	747	1.60E-09	124	189	453	569	0.343915344	Phytophthora_nicotianae	Phytophthora	GH16_KUF81010	Oomycete	Phni	Phni_KUF81010	Phni_KUF81010_secreted
GH16	189	KUF81010	747	0.00000094	4	115	70	285	0.587301587	Phytophthora_nicotianae	Phytophthora	GH16_KUF81010	Oomycete	Phni	Phni_KUF81010	Phni_KUF81010_secreted
CE1	227	KUF81019	326	0.0000009	9	143	16	227	0.59030837	Phytophthora_nicotianae	Phytophthora	CE1_KUF81019	Oomycete	Phni	Phni_KUF81019	Phni_KUF81019_secreted
GH131	255	KUF81061	263	2.30E-24	35	243	60	257	0.815686275	Phytophthora_nicotianae	Phytophthora	GH131_KUF81061	Oomycete	Phni	Phni_KUF81061	Phni_KUF81061_secreted
CE8	288	KUF81066	346	6.50E-73	3	274	37	323	0.940972222	Phytophthora_nicotianae	Phytophthora	CE8_KUF81066	Oomycete	Phni	Phni_KUF81066	Phni_KUF81066_secreted
GH1	429	KUF81096	475	7.30E-173	4	428	6	472	0.988344988	Phytophthora_nicotianae	Phytophthora	GH1_KUF81096	Oomycete	Phni	Phni_KUF81096	Phni_KUF81096_secreted
GH1	429	KUF81097	475	1.20E-174	3	428	5	472	0.990675991	Phytophthora_nicotianae	Phytophthora	GH1_KUF81097	Oomycete	Phni	Phni_KUF81097	Phni_KUF81097_secreted
CBM63	78	KUF81239	353	0.0000026	2	66	138	201	0.820512821	Phytophthora_nicotianae	Phytophthora	CBM63_KUF81239	Oomycete	Phni	Phni_KUF81239	Phni_KUF81239_secreted
CBM63	78	KUF81240	463	0.000058	12	75	282	343	0.807692308	Phytophthora_nicotianae	Phytophthora	CBM63_KUF81240	Oomycete	Phni	Phni_KUF81240	Phni_KUF81240_secreted
GT45	115	KUF81282	354	0.0002	23	98	145	222	0.652173913	Phytophthora_nicotianae	Phytophthora	GT45_KUF81282	Oomycete	Phni	Phni_KUF81282	Phni_KUF81282_secreted
GT19	354	KUF81344	448	7.30E-87	2	328	32	447	0.920903955	Phytophthora_nicotianae	Phytophthora	GT19_KUF81344	Oomycete	Phni	Phni_KUF81344	Phni_KUF81344_secreted
GH78	504	KUF81380	693	1.30E-76	7	503	61	634	0.984126984	Phytophthora_nicotianae	Phytophthora	GH78_KUF81380	Oomycete	Phni	Phni_KUF81380	Phni_KUF81380_secreted
GH17	311	KUF81396	394	1.10E-23	12	306	43	296	0.945337621	Phytophthora_nicotianae	Phytophthora	GH17_KUF81396	Oomycete	Phni	Phni_KUF81396	Phni_KUF81396_secreted
CE10	341															

GT76	407	KUF81485	430	8.30E-108	2	407	6	430	0.995085995	Phytophthora_nicotianae	Phytophthora	GT76_KUF81485	Oomycete	Phni	Phni_KUF81485	Phni_KUF81485
GH1	429	KUF81491	588	3.20E-133	3	425	29	499	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUF81491	Oomycete	Phni	Phni_KUF81491	Phni_KUF81491_secreted
GH1	429	KUF81519	589	6.40E-140	4	426	24	513	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUF81519	Oomycete	Phni	Phni_KUF81519	Phni_KUF81519
CE1	227	KUF81539	421	0.00000019	25	143	77	235	0.519823789	Phytophthora_nicotianae	Phytophthora	CE1_KUF81539	Oomycete	Phni	Phni_KUF81539	Phni_KUF81539_secreted
GH2	752	KUF81566	893	1.70E-43	35	300	27	388	0.352393617	Phytophthora_nicotianae	Phytophthora	GH2_KUF81566	Oomycete	Phni	Phni_KUF81566	Phni_KUF81566_secreted
GH2	752	KUF81566	893	1.10E-18	338	575	389	769	0.315159575	Phytophthora_nicotianae	Phytophthora	GH2_KUF81566	Oomycete	Phni	Phni_KUF81566	Phni_KUF81566_secreted
GT71	264	KUF81608	509	4.80E-48	2	264	121	388	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF81608	Oomycete	Phni	Phni_KUF81608	Phni_KUF81608
GH31	427	KUF81757	910	3.10E-60	5	422	405	882	0.976580796	Phytophthora_nicotianae	Phytophthora	GH31_KUF81757	Oomycete	Phni	Phni_KUF81757	Phni_KUF81757
CE10	341	KUF81776	559	7.40E-29	75	187	98	227	0.328445748	Phytophthora_nicotianae	Phytophthora	CE10_KUF81776	Oomycete	Phni	Phni_KUF81776	Phni_KUF81776_secreted
CBM73	54	KUF81809	351	0.00084	13	53	237	271	0.740740741	Phytophthora_nicotianae	Phytophthora	CBM73_KUF81809	Oomycete	Phni	Phni_KUF81809	Phni_KUF81809
CE10	341	KUF81851	442	5.80E-34	93	337	183	426	0.715542522	Phytophthora_nicotianae	Phytophthora	CE10_KUF81851	Oomycete	Phni	Phni_KUF81851	Phni_KUF81851
GH109	126	KUF81857	355	5.30E-15	2	122	10	123	0.952380952	Phytophthora_nicotianae	Phytophthora	GH109_KUF81857	Oomycete	Phni	Phni_KUF81857	Phni_KUF81857
GH109	126	KUF81859	338	1.60E-14	4	122	9	118	0.936507937	Phytophthora_nicotianae	Phytophthora	GH109_KUF81859	Oomycete	Phni	Phni_KUF81859	Phni_KUF81859
GH109	126	KUF81860	347	2.50E-12	2	116	8	113	0.904761905	Phytophthora_nicotianae	Phytophthora	GH109_KUF81860	Oomycete	Phni	Phni_KUF81860	Phni_KUF81860
GH109	126	KUF81870	337	2.00E-12	35	121	39	119	0.682539683	Phytophthora_nicotianae	Phytophthora	GH109_KUF81870	Oomycete	Phni	Phni_KUF81870	Phni_KUF81870
GH3	216	KUF81895	774	2.90E-61	5	215	112	333	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF81895	Oomycete	Phni	Phni_KUF81895	Phni_KUF81895_secreted
GH109	126	KUF81901	346	0.00000026	69	115	61	107	0.365079365	Phytophthora_nicotianae	Phytophthora	GH109_KUF81901	Oomycete	Phni	Phni_KUF81901	Phni_KUF81901
GH5	275	KUF81947	492	1.10E-30	7	238	35	347	0.84	Phytophthora_nicotianae	Phytophthora	GH5_KUF81947	Oomycete	Phni	Phni_KUF81947	Phni_KUF81947_secreted
GT8	257	KUF81996	579	2.80E-15	39	205	76	227	0.645914397	Phytophthora_nicotianae	Phytophthora	GT8_KUF81996	Oomycete	Phni	Phni_KUF81996	Phni_KUF81996
GT58	364	KUF82000	1110	2.60E-134	2	364	51	404	0.994505495	Phytophthora_nicotianae	Phytophthora	GT58_KUF82000	Oomycete	Phni	Phni_KUF82000	Phni_KUF82000
PL1	202	KUF82005	470	1.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF82005	Oomycete	Phni	Phni_KUF82005	Phni_KUF82005_secreted
PL1	202	KUF82006	470	1.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF82006	Oomycete	Phni	Phni_KUF82006	Phni_KUF82006_secreted
GH72	312	KUF82045	505	1.40E-78	3	284	22	326	0.900641026	Phytophthora_nicotianae	Phytophthora	GH72_KUF82045	Oomycete	Phni	Phni_KUF82045	Phni_KUF82045_secreted
CE5	189	KUF82063	217	2.90E-53	1	186	27	205	0.978835979	Phytophthora_nicotianae	Phytophthora	CE5_KUF82063	Oomycete	Phni	Phni_KUF82063	Phni_KUF82063_secreted
CE8	288	KUF82081	372	2.40E-71	3	274	63	349	0.940972222	Phytophthora_nicotianae	Phytophthora	CE8_KUF82081	Oomycete	Phni	Phni_KUF82081	Phni_KUF82081_secreted
GH43	248	KUF82155	332	1.40E-46	9	247	31	327	0.959677419	Phytophthora_nicotianae	Phytophthora	GH43_KUF82155	Oomycete	Phni	Phni_KUF82155	Phni_KUF82155_secreted
GH43	248	KUF82158	166	3.60E-13	145	247	20	146	0.411290323	Phytophthora_nicotianae	Phytophthora	GH43_KUF82158	Oomycete	Phni	Phni_KUF82158	Phni_KUF82158
GH89	663	KUF82297	772	2.30E-222	2	661	76	752	0.993966818	Phytophthora_nicotianae	Phytophthora	GH89_KUF82297	Oomycete	Phni	Phni_KUF82297	Phni_KUF82297_secreted
GH72	312	KUF82323	505	1.60E-78	3	284	22	326	0.900641026	Phytophthora_nicotianae	Phytophthora	GH72_KUF82323	Oomycete	Phni	Phni_KUF82323	Phni_KUF82323_secreted
GH81	622	KUF82356	574	1.60E-146	111	621	1	550	0.819933561	Phytophthora_nicotianae	Phytophthora	GH81_KUF82356	Oomycete	Phni	Phni_KUF82356	Phni_KUF82356
GH31	427	KUF82363	301	4.40E-61	262	426	1	168	0.384074942	Phytophthora_nicotianae	Phytophthora	GH31_KUF82363	Oomycete	Phni	Phni_KUF82363	Phni_KUF82363
GH5	275	KUF82397	378	1.50E-26	11	233	34	334	0.807272727	Phytophthora_nicotianae	Phytophthora	GH5_KUF82397	Oomycete	Phni	Phni_KUF82397	Phni_KUF82397_secreted
CE10	341	KUF82413	326	4.90E-43	65	334	56	320	0.788856305	Phytophthora_nicotianae	Phytophthora	CE10_KUF82413	Oomycete	Phni	Phni_KUF82413	Phni_KUF82413
GH28	325	KUF82430	467	1.70E-63	4	317	151	467	0.963076923	Phytophthora_nicotianae	Phytophthora	GH28_KUF82430	Oomycete	Phni	Phni_KUF82430	Phni_KUF82430_secreted
GT71	264	KUF82492	379	5.70E-38	9	262	4	269	0.958333333	Phytophthora_nicotianae	Phytophthora	GT71_KUF82492	Oomycete	Phni	Phni_KUF82492	Phni_KUF82492
GT71	264	KUF82493	370	1.60E-36	17	261	3	259	0.924242424	Phytophthora_nicotianae	Phytophthora	GT71_KUF82493	Oomycete	Phni	Phni_KUF82493	Phni_KUF82493
GT32	90	KUF82509	369	7.80E-17	5	88	109	186	0.922222222	Phytophthora_nicotianae	Phytophthora	GT32_KUF82509	Oomycete	Phni	Phni_KUF82509	Phni_KUF82509
CE10	341	KUF82519	785	1.90E-24	48	308	485	760	0.762463343	Phytophthora_nicotianae	Phytophthora	CE10_KUF82519	Oomycete	Phni	Phni_KUF82519	Phni_KUF82519
GH131	255	KUF82603	301	9.10E-16	35	241	60	254	0.807843137	Phytophthora_nicotianae	Phytophthora	GH131_KUF82603	Oomycete	Phni	Phni_KUF82603	Phni_KUF82603_secreted
GH81	622	KUF82670	888	9.80E-171	13	621	212	873	0.977491961	Phytophthora_nicotianae	Phytophthora	GH81_KUF82670	Oomycete	Phni	Phni_KUF82670	Phni_KUF82670_secreted
CE1	227	KUF82693	527	4.40E-17	8	143	196	362	0.594713656	Phytophthora_nicotianae	Phytophthora	CE1_KUF82693	Oomycete	Phni	Phni_KUF82693	Phni_KUF82693
GH81	622	KUF82701	694	9.00E-180	12	621	12	687	0.979099679	Phytophthora_nicotianae	Phytophthora	GH81_KUF82701	Oomycete	Phni	Phni_KUF82701	Phni_KUF82701
PL1	202	KUF82726	443	1.00E-37	21	201	122	317	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF82726	Oomycete	Phni	Phni_KUF82726	Phni_KUF82726_secreted
CBM40	179	KUF82752	647	0.0000036	88	176	165	260	0.491620112	Phytophthora_nicotianae	Phytophthora	CBM40_KUF82752	Oomycete	Phni	Phni_KUF82752	Phni_KUF82752_secreted
GT96	307	KUF82769	501	4.10E-15	2	114	113	234	0.364820847	Phytophthora_nicotianae	Phytophthora	GT96_KUF82769	Oomycete	Phni	Phni_KUF82769	Phni_KUF82769
GT71	264	KUF82801	512	1.40E-44	4	257	122	385	0.958333333	Phytophthora_nicotianae	Phytophthora	GT71_KUF82801	Oomycete	Phni	Phni_KUF82801	Phni_KUF82801
GT71	264	KUF82802	497	5.40E-45	2	257	115	378	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUF82802	Oomycete	Phni	Phni_KUF82802	Phni_KUF82802
CE12	210	KUF82820	128	0.0000046	91	160	6	91	0.328571429	Phytophthora_nicotianae	Phytophthora	CE12_KUF82820	Oomycete	Phni	Phni_KUF82820	Phni_KUF82820
GT24	248	KUF82884	1648	2.70E-122	1	248	1368	1613	0.995967742	Phytophthora_nicotianae	Phytophthora	GT24_KUF82884	Oomycete	Phni	Phni_KUF82884	Phni_KUF82884_secreted
PL1	202	KUF82938	490	4.40E-42	17	199	118	312	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF82938	Oomycete	Phni	Phni_KUF82938	Phni_KUF82938_secreted
GH12	156	KUF83002	259	7.50E-37	4	156	96	242	0.974358974	Phytophthora_nicotianae	Phytophthora	GH12_KUF83002	Oomycete	Phni	Phni_KUF83002	Phni_KUF83002_secreted
GH12	156	KUF83003	249	6.70E-33	2	156	90	237	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUF83003	Oomycete	Phni	Phni_KUF83003	Phni_KUF83003_secreted
GH12	156	KUF83006	198	3.20E-31	30	156	75	195	0.807692308	Phytophthora_nicotianae	Phytophthora	GH12_KUF83006	Oomycete	Phni	Phni_KUF83006	Phni_KUF83006
GH12	156	KUF83007	271	2.00E-41	3	156	121	268	0.980769231	Phytophthora_nicotianae	Phytophthora	GH12_KUF83007	Oomycete	Phni	Phni_KUF83007	Phni_KUF83007_secreted
GT20	475	KUF83020	854	9.40E-152	11	474	46	512	0.974736842	Phytophthora_nicotianae	Phytophthora	GT20_KUF83020	Oomycete	Phni	Phni_KUF83020	Phni_KUF83020
CBM25	78	KUF83040	1019	6.80E-12	13	75	85	152	0.794871795	Phytophthora_nicotianae	Phytophthora	CBM25_KUF83040	Oomycete	Phni	Phni_KUF83040	Phni_KUF83040
CBM25	78	KUF83040	1019	0.00000063	40	77	12	48	0.474358974	Phytophthora_nicotianae	Phytophthora	CBM25_KUF83040	Oomycete	Phni	Phni_KUF83040	Phni_KUF83040
GH31	427	KUF83040	1019	8.10E-152	3	427	403	894	0.992974239	Phytophthora_nicotianae	Phytophthora	GH31_KUF83040	Oomycete	Phni	Phni_KUF83040	Phni_KUF83040
GH31	427	KUF83047	789	1.30E-150	3	427	250	741	0.992974239	Phytophthora_nicotianae	Phytophthora	GH31_KUF83047	Oomycete	Phni	Phni_KUF83047	Phni_KUF83047_secreted
PL3	197	KUF83121	328	2.20E-36	2	195	108	301	0.979695432	Phytophthora_nicotianae	Phytophthora	PL3_KUF83121	Oomycete	Phni	Phni_KUF83121	Phni_KUF83121_secreted
CE10	341	KUF83146	787	1.90E-24	47	308	486	762	0.765395894	Phytophthora_nicotianae	Phytophthora	CE10_KUF83146	Oomycete	Phni	Phni_KUF83146	Phni_KUF83146
CBM63	78	KUF83161	434	0.00000012	2	74	140	213	0.923076923	Phytophthora_nicotianae	Phytophthora	CBM63_KUF83161	Oomycete	Phni	Phni_KUF83161	Phni_KUF83161
CBM63	78	KUF83163	432	0.00000012	2	74	137	210	0.923076923	Phytophthora_nicotianae	Phytophthora	CBM63_KUF83163	Oomycete	Phni	Phni_KUF83163	Phni_KUF83163
CE1	227	KUF83165	638	4.70E-10	41	143	322	451	0.449339207	Phytophthora_nicotianae	Phytophthora	CE1_KUF83165	Oomycete	Phni	Phni_KUF83165	Phni_KUF83165
CBM63	78	KUF83171	392	0.00000053	2	74	138	211	0.923076923	Phytophthora_nicotianae	Phytophthora	CBM63_KUF83171	Oomycete	Phni	Phni_KUF83171	Phni_KUF83171
CBM63	78	KUF83172	450	0.00000034	2	75	139	211	0.935897436	Phytophthora_nicotianae	Phytophthora	CBM63_KUF83172	Oomycete	Phni	Phni_KUF83172	Phni_KUF83172
AA7	458	KUF83194	509	7.00E-49	5	225	59	287	0.480349345	Phytophthora_nicotianae	Phytophthora	AA7_KUF83194	Oomycete	Phni	Phni_KUF83194	Phni_KUF83194_secreted
GH28	325	KUF83277	157	6.00E-26	174	308	3	145	0.412307692	Phytophthora_nicotianae	Phytophthora	GH28_KUF83277	Oomycete	Phni	Phni_KUF83277	Phni_KUF83277

GH17	311	KUF83357	403	1.40E-18	2	303	27	280	0.967845659	Phytophthora_nicotianae	Phytophthora	GH17_KUF83357	Oomycete	Phni	Phni_KUF83357	Phni_KUF83357_secreted
GH17	311	KUF83363	419	2.30E-20	2	306	25	279	0.977491961	Phytophthora_nicotianae	Phytophthora	GH17_KUF83363	Oomycete	Phni	Phni_KUF83363	Phni_KUF83363_secreted
GH17	311	KUF83364	458	1.40E-19	21	308	44	282	0.922829582	Phytophthora_nicotianae	Phytophthora	GH17_KUF83364	Oomycete	Phni	Phni_KUF83364	Phni_KUF83364_secreted
CE10	341	KUF83368	255	1.30E-31	129	336	35	235	0.607038123	Phytophthora_nicotianae	Phytophthora	CE10_KUF83368	Oomycete	Phni	Phni_KUF83368	Phni_KUF83368
CE10	341	KUF83369	439	3.10E-36	86	338	169	423	0.739002933	Phytophthora_nicotianae	Phytophthora	CE10_KUF83369	Oomycete	Phni	Phni_KUF83369	Phni_KUF83369
CE10	341	KUF83373	416	3.70E-31	89	317	161	391	0.668621701	Phytophthora_nicotianae	Phytophthora	CE10_KUF83373	Oomycete	Phni	Phni_KUF83373	Phni_KUF83373
CE13	355	KUF83489	491	2.40E-24	26	202	78	272	0.495774648	Phytophthora_nicotianae	Phytophthora	CE13_KUF83489	Oomycete	Phni	Phni_KUF83489	Phni_KUF83489_secreted
CE10	341	KUF83501	442	5.80E-34	93	337	183	426	0.715542522	Phytophthora_nicotianae	Phytophthora	CE10_KUF83501	Oomycete	Phni	Phni_KUF83501	Phni_KUF83501
CBM13	188	KUF83536	686	4.90E-18	8	138	289	416	0.691489362	Phytophthora_nicotianae	Phytophthora	CBM13_KUF83536	Oomycete	Phni	Phni_KUF83536	Phni_KUF83536
CBM13	188	KUF83536	686	2.30E-16	23	142	444	563	0.632978723	Phytophthora_nicotianae	Phytophthora	CBM13_KUF83536	Oomycete	Phni	Phni_KUF83536	Phni_KUF83536
CBM13	188	KUF83536	686	1.60E-09	35	129	589	679	0.5	Phytophthora_nicotianae	Phytophthora	CBM13_KUF83536	Oomycete	Phni	Phni_KUF83536	Phni_KUF83536
GH17	311	KUF83536	686	8.80E-24	12	306	20	274	0.945337621	Phytophthora_nicotianae	Phytophthora	GH17_KUF83536	Oomycete	Phni	Phni_KUF83536	Phni_KUF83536
CE8	288	KUF83538	343	2.70E-71	3	273	38	319	0.9375	Phytophthora_nicotianae	Phytophthora	CE8_KUF83538	Oomycete	Phni	Phni_KUF83538	Phni_KUF83538_secreted
CBM13	188	KUF83541	443	2.20E-18	8	136	315	440	0.680851064	Phytophthora_nicotianae	Phytophthora	CBM13_KUF83541	Oomycete	Phni	Phni_KUF83541	Phni_KUF83541_secreted
GH17	311	KUF83541	443	9.90E-20	12	306	46	300	0.945337621	Phytophthora_nicotianae	Phytophthora	GH17_KUF83541	Oomycete	Phni	Phni_KUF83541	Phni_KUF83541_secreted
CBM13	188	KUF83542	443	5.30E-19	8	136	315	440	0.680851064	Phytophthora_nicotianae	Phytophthora	CBM13_KUF83542	Oomycete	Phni	Phni_KUF83542	Phni_KUF83542_secreted
GH17	311	KUF83542	443	5.90E-25	12	306	46	300	0.945337621	Phytophthora_nicotianae	Phytophthora	GH17_KUF83542	Oomycete	Phni	Phni_KUF83542	Phni_KUF83542_secreted
GH72	312	KUF83547	583	1.30E-74	7	309	30	378	0.967948718	Phytophthora_nicotianae	Phytophthora	GH72_KUF83547	Oomycete	Phni	Phni_KUF83547	Phni_KUF83547
GT2	168	KUF83582	471	0.00041	38	105	59	129	0.398809524	Phytophthora_nicotianae	Phytophthora	GT2_KUF83582	Oomycete	Phni	Phni_KUF83582	Phni_KUF83582
CE10	341	KUF83662	456	4.40E-30	130	334	226	424	0.598240469	Phytophthora_nicotianae	Phytophthora	CE10_KUF83662	Oomycete	Phni	Phni_KUF83662	Phni_KUF83662
CE10	341	KUF83663	272	2.20E-32	84	316	13	248	0.680351906	Phytophthora_nicotianae	Phytophthora	CE10_KUF83663	Oomycete	Phni	Phni_KUF83663	Phni_KUF83663
GT71	264	KUF83680	204	4.70E-20	176	264	3	86	0.333333333	Phytophthora_nicotianae	Phytophthora	GT71_KUF83680	Oomycete	Phni	Phni_KUF83680	Phni_KUF83680
GH3	216	KUF83686	584	6.40E-30	94	216	1	134	0.564814815	Phytophthora_nicotianae	Phytophthora	GH3_KUF83686	Oomycete	Phni	Phni_KUF83686	Phni_KUF83686
CE1	227	KUF83692	333	0.000000024	23	143	36	176	0.528634361	Phytophthora_nicotianae	Phytophthora	CE1_KUF83692	Oomycete	Phni	Phni_KUF83692	Phni_KUF83692
GH81	622	KUF83715	294	3.30E-98	359	621	1	271	0.421221865	Phytophthora_nicotianae	Phytophthora	GH81_KUF83715	Oomycete	Phni	Phni_KUF83715	Phni_KUF83715
CE10	341	KUF83734	426	9.10E-30	84	335	159	412	0.736070381	Phytophthora_nicotianae	Phytophthora	CE10_KUF83734	Oomycete	Phni	Phni_KUF83734	Phni_KUF83734
CE10	341	KUF83735	422	1.70E-33	84	337	156	409	0.741935484	Phytophthora_nicotianae	Phytophthora	CE10_KUF83735	Oomycete	Phni	Phni_KUF83735	Phni_KUF83735
GH16	189	KUF83753	726	2.20E-11	122	189	397	555	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF83753	Oomycete	Phni	Phni_KUF83753	Phni_KUF83753
PL3	197	KUF83801	567	3.70E-65	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF83801	Oomycete	Phni	Phni_KUF83801	Phni_KUF83801_secreted
PL3	197	KUF83801	567	1.50E-64	2	193	341	536	0.969543147	Phytophthora_nicotianae	Phytophthora	PL3_KUF83801	Oomycete	Phni	Phni_KUF83801	Phni_KUF83801_secreted
GH3	216	KUF83804	788	3.00E-58	5	216	116	338	0.976851852	Phytophthora_nicotianae	Phytophthora	GH3_KUF83804	Oomycete	Phni	Phni_KUF83804	Phni_KUF83804_secreted
GH3	216	KUF83805	788	3.00E-58	5	216	116	338	0.976851852	Phytophthora_nicotianae	Phytophthora	GH3_KUF83805	Oomycete	Phni	Phni_KUF83805	Phni_KUF83805_secreted
GT60	330	KUF83817	550	6.90E-45	1	186	329	488	0.560606061	Phytophthora_nicotianae	Phytophthora	GT60_KUF83817	Oomycete	Phni	Phni_KUF83817	Phni_KUF83817
GH47	446	KUF83831	481	5.60E-84	143	445	168	478	0.677130045	Phytophthora_nicotianae	Phytophthora	GH47_KUF83831	Oomycete	Phni	Phni_KUF83831	Phni_KUF83831
PL3	197	KUF83879	205	1.50E-59	25	196	1	175	0.868020305	Phytophthora_nicotianae	Phytophthora	PL3_KUF83879	Oomycete	Phni	Phni_KUF83879	Phni_KUF83879
CE7	313	KUF84003	365	3.50E-10	52	209	64	223	0.501597444	Phytophthora_nicotianae	Phytophthora	CE7_KUF84003	Oomycete	Phni	Phni_KUF84003	Phni_KUF84003
GT31	192	KUF84012	479	2.10E-36	3	191	229	425	0.979166667	Phytophthora_nicotianae	Phytophthora	GT31_KUF84012	Oomycete	Phni	Phni_KUF84012	Phni_KUF84012_secreted
GT10	347	KUF84013	953	4.90E-38	89	315	696	928	0.65129683	Phytophthora_nicotianae	Phytophthora	GT10_KUF84013	Oomycete	Phni	Phni_KUF84013	Phni_KUF84013_secreted
GT31	192	KUF84013	953	3.30E-34	3	189	227	434	0.96875	Phytophthora_nicotianae	Phytophthora	GT31_KUF84013	Oomycete	Phni	Phni_KUF84013	Phni_KUF84013_secreted
GT31	192	KUF84014	578	1.10E-26	36	189	245	402	0.796875	Phytophthora_nicotianae	Phytophthora	GT31_KUF84014	Oomycete	Phni	Phni_KUF84014	Phni_KUF84014_secreted
AA3	618	KUF84026	466	5.90E-76	165	401	1	446	0.381877023	Phytophthora_nicotianae	Phytophthora	AA3_KUF84026	Oomycete	Phni	Phni_KUF84026	Phni_KUF84026
GH1	429	KUF84042	571	8.90E-137	4	426	28	509	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUF84042	Oomycete	Phni	Phni_KUF84042	Phni_KUF84042
GT60	330	KUF84052	484	2.50E-61	2	330	64	378	0.993939394	Phytophthora_nicotianae	Phytophthora	GT60_KUF84052	Oomycete	Phni	Phni_KUF84052	Phni_KUF84052
CE10	341	KUF84065	585	1.20E-43	68	309	218	522	0.706744868	Phytophthora_nicotianae	Phytophthora	CE10_KUF84065	Oomycete	Phni	Phni_KUF84065	Phni_KUF84065
GH1	429	KUF84191	580	3.50E-136	4	425	28	508	0.981351981	Phytophthora_nicotianae	Phytophthora	GH1_KUF84191	Oomycete	Phni	Phni_KUF84191	Phni_KUF84191
PL3	197	KUF84214	293	3.00E-62	2	191	14	217	0.959390863	Phytophthora_nicotianae	Phytophthora	PL3_KUF84214	Oomycete	Phni	Phni_KUF84214	Phni_KUF84214
PL3	197	KUF84215	289	4.40E-63	4	190	32	232	0.944162437	Phytophthora_nicotianae	Phytophthora	PL3_KUF84215	Oomycete	Phni	Phni_KUF84215	Phni_KUF84215_secreted
PL1	202	KUF84241	963	5.00E-46	21	200	609	801	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF84241	Oomycete	Phni	Phni_KUF84241	Phni_KUF84241_secreted
PL1	202	KUF84241	963	3.70E-37	21	198	128	311	0.876237624	Phytophthora_nicotianae	Phytophthora	PL1_KUF84241	Oomycete	Phni	Phni_KUF84241	Phni_KUF84241_secreted
PL1	202	KUF84242	401	9.00E-41	22	201	123	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF84242	Oomycete	Phni	Phni_KUF84242	Phni_KUF84242_secreted
PL1	202	KUF84244	401	9.00E-41	22	201	123	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF84244	Oomycete	Phni	Phni_KUF84244	Phni_KUF84244_secreted
PL1	202	KUF84245	1067	1.50E-44	17	201	121	319	0.910891089	Phytophthora_nicotianae	Phytophthora	PL1_KUF84245	Oomycete	Phni	Phni_KUF84245	Phni_KUF84245_secreted
PL1	202	KUF84245	1067	7.50E-41	20	200	661	855	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF84245	Oomycete	Phni	Phni_KUF84245	Phni_KUF84245_secreted
GH3	216	KUF84262	776	9.60E-62	5	215	111	332	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF84262	Oomycete	Phni	Phni_KUF84262	Phni_KUF84262_secreted
GT57	481	KUF84272	574	2.50E-145	3	477	26	550	0.985446985	Phytophthora_nicotianae	Phytophthora	GT57_KUF84272	Oomycete	Phni	Phni_KUF84272	Phni_KUF84272
GH28	325	KUF84326	391	3.90E-64	5	316	75	390	0.956923077	Phytophthora_nicotianae	Phytophthora	GH28_KUF84326	Oomycete	Phni	Phni_KUF84326	Phni_KUF84326_secreted
GH28	325	KUF84327	391	1.40E-56	6	317	76	391	0.956923077	Phytophthora_nicotianae	Phytophthora	GH28_KUF84327	Oomycete	Phni	Phni_KUF84327	Phni_KUF84327_secreted
GH28	325	KUF84330	440	6.30E-66	6	317	125	440	0.956923077	Phytophthora_nicotianae	Phytophthora	GH28_KUF84330	Oomycete	Phni	Phni_KUF84330	Phni_KUF84330_secreted
CBM47	128	KUF84507	5448	0.0000086	3	73	4870	4945	0.546875	Phytophthora_nicotianae	Phytophthora	CBM47_KUF84507	Oomycete	Phni	Phni_KUF84507	Phni_KUF84507_secreted
GH3	216	KUF84510	778	1.40E-59	5	203	113	321	0.916666667	Phytophthora_nicotianae	Phytophthora	GH3_KUF84510	Oomycete	Phni	Phni_KUF84510	Phni_KUF84510_secreted
GH30	417	KUF84513	539	2.10E-109	13	416	85	530	0.966426859	Phytophthora_nicotianae	Phytophthora	GH30_KUF84513	Oomycete	Phni	Phni_KUF84513	Phni_KUF84513_secreted
GH3	216	KUF84575	602	4.50E-59	36	215	12	218	0.828703704	Phytophthora_nicotianae	Phytophthora	GH3_KUF84575	Oomycete	Phni	Phni_KUF84575	Phni_KUF84575
CE1	227	KUF84586	347	0.0000013	103	217	149	334	0.502202643	Phytophthora_nicotianae	Phytophthora	CE1_KUF84586	Oomycete	Phni	Phni_KUF84586	Phni_KUF84586
GH16	189	KUF84623	776	2.60E-09	122	189	437	568	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84623	Oomycete	Phni	Phni_KUF84623	Phni_KUF84623
GH16	189	KUF84624	720	8.20E-09	122	189	408	551	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84624	Oomycete	Phni	Phni_KUF84624	Phni_KUF84624
GH16	189	KUF84624	720	0.0000002	4	92	48	207	0.465608466	Phytophthora_nicotianae	Phytophthora	GH16_KUF84624	Oomycete	Phni	Phni_KUF84624	Phni_KUF84624
GH16	189	KUF84625	725	7.50E-09	122	189	410	533	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84625	Oomycete	Phni	Phni_KUF84625	Phni_KUF84625
GH16	189	KUF84625	725	0.000000094	12	116	84	291	0.55026455	Phytophthora_nicotianae	Phytophthora	GH16_KUF84625	Oomycete	Phni	Phni_KUF84625	Phni_KUF84625
GH16	189	KUF84626	751	3.00E-10	122	189	436	565	0.3544							

GH16	189	KUF84627	731	0.00000097	4	91	59	216	0.46031746	Phytophthora_nicotianae	Phytophthora	GH16_KUF84627	Oomycete	Phni	Phni_KUF84627	Phni_KUF84627
GH16	189	KUF84630	863	0.00000018	122	189	544	667	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84630	Oomycete	Phni	Phni_KUF84630	Phni_KUF84630
GH16	189	KUF84630	863	0.00000051	3	92	163	323	0.470899471	Phytophthora_nicotianae	Phytophthora	GH16_KUF84630	Oomycete	Phni	Phni_KUF84630	Phni_KUF84630
GH16	189	KUF84631	749	0.00000012	122	189	434	570	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84631	Oomycete	Phni	Phni_KUF84631	Phni_KUF84631
GH16	189	KUF84631	749	0.00000081	3	98	67	235	0.502645503	Phytophthora_nicotianae	Phytophthora	GH16_KUF84631	Oomycete	Phni	Phni_KUF84631	Phni_KUF84631
GH16	189	KUF84633	758	2.60E-10	61	189	356	573	0.677248677	Phytophthora_nicotianae	Phytophthora	GH16_KUF84633	Oomycete	Phni	Phni_KUF84633	Phni_KUF84633
GH16	189	KUF84633	758	0.00000012	4	91	69	226	0.46031746	Phytophthora_nicotianae	Phytophthora	GH16_KUF84633	Oomycete	Phni	Phni_KUF84633	Phni_KUF84633
GH16	189	KUF84637	752	0.00000023	4	100	64	233	0.507936508	Phytophthora_nicotianae	Phytophthora	GH16_KUF84637	Oomycete	Phni	Phni_KUF84637	Phni_KUF84637
GH16	189	KUF84637	752	0.00000076	122	189	441	567	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF84637	Oomycete	Phni	Phni_KUF84637	Phni_KUF84637
GH53	342	KUF84649	412	1.90E-81	2	317	26	335	0.921052632	Phytophthora_nicotianae	Phytophthora	GH53_KUF84649	Oomycete	Phni	Phni_KUF84649	Phni_KUF84649
GH53	342	KUF84650	358	1.40E-79	2	332	26	339	0.964912281	Phytophthora_nicotianae	Phytophthora	GH53_KUF84650	Oomycete	Phni	Phni_KUF84650	Phni_KUF84650_secreted
GH53	342	KUF84651	362	1.30E-81	2	335	27	344	0.973684211	Phytophthora_nicotianae	Phytophthora	GH53_KUF84651	Oomycete	Phni	Phni_KUF84651	Phni_KUF84651_secreted
GH53	342	KUF84652	358	7.50E-83	1	332	24	339	0.967836257	Phytophthora_nicotianae	Phytophthora	GH53_KUF84652	Oomycete	Phni	Phni_KUF84652	Phni_KUF84652_secreted
GT2	168	KUF84665	240	6.50E-43	1	168	8	178	0.994047619	Phytophthora_nicotianae	Phytophthora	GT2_KUF84665	Oomycete	Phni	Phni_KUF84665	Phni_KUF84665
GH3	216	KUF84737	790	1.10E-64	5	207	125	337	0.935185185	Phytophthora_nicotianae	Phytophthora	GH3_KUF84737	Oomycete	Phni	Phni_KUF84737	Phni_KUF84737_secreted
GH3	216	KUF84738	811	2.50E-62	5	201	110	316	0.907407407	Phytophthora_nicotianae	Phytophthora	GH3_KUF84738	Oomycete	Phni	Phni_KUF84738	Phni_KUF84738_secreted
GH3	216	KUF84741	786	3.70E-60	5	203	115	323	0.916666667	Phytophthora_nicotianae	Phytophthora	GH3_KUF84741	Oomycete	Phni	Phni_KUF84741	Phni_KUF84741_secreted
CBM13	188	KUF84787	1974	7.10E-17	9	148	1075	1220	0.739361702	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	1.50E-16	11	136	1242	1373	0.664893617	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	3.60E-16	9	150	746	893	0.75	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	2.20E-14	7	136	258	393	0.686170213	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	2.20E-14	10	145	912	1053	0.718085106	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	3.40E-14	10	146	582	724	0.723404255	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	9.60E-14	10	145	101	242	0.718085106	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	1.10E-13	7	135	1401	1532	0.680851064	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
CBM13	188	KUF84787	1974	1.30E-11	9	138	420	555	0.686170213	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84787	Oomycete	Phni	Phni_KUF84787	Phni_KUF84787
GT8	257	KUF84819	341	3.10E-30	21	254	73	306	0.906614786	Phytophthora_nicotianae	Phytophthora	GT8_KUF84819	Oomycete	Phni	Phni_KUF84819	Phni_KUF84819
GT8	257	KUF84820	341	3.10E-30	21	254	73	306	0.906614786	Phytophthora_nicotianae	Phytophthora	GT8_KUF84820	Oomycete	Phni	Phni_KUF84820	Phni_KUF84820
CBM47	128	KUF84824	1401	1.30E-16	4	61	1121	1176	0.4453125	Phytophthora_nicotianae	Phytophthora	CBM47_KUF84824	Oomycete	Phni	Phni_KUF84824	Phni_KUF84824
GT32	90	KUF84839	369	7.80E-17	5	88	109	186	0.922222222	Phytophthora_nicotianae	Phytophthora	GT32_KUF84839	Oomycete	Phni	Phni_KUF84839	Phni_KUF84839
CE10	341	KUF84867	780	0.000000033	45	278	479	711	0.683284458	Phytophthora_nicotianae	Phytophthora	CE10_KUF84867	Oomycete	Phni	Phni_KUF84867	Phni_KUF84867
CBM13	188	KUF84889	680	1.40E-10	6	103	523	617	0.515957447	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84889	Oomycete	Phni	Phni_KUF84889	Phni_KUF84889
GH30	417	KUF84889	680	2.20E-104	10	362	108	487	0.8441247	Phytophthora_nicotianae	Phytophthora	GH30_KUF84889	Oomycete	Phni	Phni_KUF84889	Phni_KUF84889
GT33	425	KUF84892	629	2.10E-160	7	424	1	434	0.981176471	Phytophthora_nicotianae	Phytophthora	GT33_KUF84892	Oomycete	Phni	Phni_KUF84892	Phni_KUF84892
GH30	417	KUF84904	672	1.80E-103	11	362	99	479	0.841726619	Phytophthora_nicotianae	Phytophthora	GH30_KUF84904	Oomycete	Phni	Phni_KUF84904	Phni_KUF84904
CBM13	188	KUF84905	673	2.40E-10	11	109	522	619	0.521276596	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84905	Oomycete	Phni	Phni_KUF84905	Phni_KUF84905
GH30	417	KUF84905	673	4.10E-104	10	362	100	481	0.8441247	Phytophthora_nicotianae	Phytophthora	GH30_KUF84905	Oomycete	Phni	Phni_KUF84905	Phni_KUF84905
CBM13	188	KUF84906	648	0.00000055	32	109	519	593	0.409574468	Phytophthora_nicotianae	Phytophthora	CBM13_KUF84906	Oomycete	Phni	Phni_KUF84906	Phni_KUF84906_secreted
GH30	417	KUF84906	648	2.70E-108	10	362	76	455	0.8441247	Phytophthora_nicotianae	Phytophthora	GH30_KUF84906	Oomycete	Phni	Phni_KUF84906	Phni_KUF84906_secreted
GT71	264	KUF85022	233	2.50E-15	168	257	27	114	0.337121212	Phytophthora_nicotianae	Phytophthora	GT71_KUF85022	Oomycete	Phni	Phni_KUF85022	Phni_KUF85022
AA6	195	KUF85038	201	1.10E-78	2	195	5	198	0.98974359	Phytophthora_nicotianae	Phytophthora	AA6_KUF85038	Oomycete	Phni	Phni_KUF85038	Phni_KUF85038
GT71	264	KUF85045	512	1.50E-44	4	257	122	385	0.958333333	Phytophthora_nicotianae	Phytophthora	GT71_KUF85045	Oomycete	Phni	Phni_KUF85045	Phni_KUF85045
GT71	264	KUF85046	493	1.10E-40	7	258	113	374	0.950757576	Phytophthora_nicotianae	Phytophthora	GT71_KUF85046	Oomycete	Phni	Phni_KUF85046	Phni_KUF85046
GT71	264	KUF85049	486	9.10E-43	2	257	106	371	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUF85049	Oomycete	Phni	Phni_KUF85049	Phni_KUF85049
GT22	389	KUF85183	509	4.20E-32	165	361	139	370	0.503856041	Phytophthora_nicotianae	Phytophthora	GT22_KUF85183	Oomycete	Phni	Phni_KUF85183	Phni_KUF85183
GT22	389	KUF85183	509	2.20E-18	2	119	7	144	0.300771208	Phytophthora_nicotianae	Phytophthora	GT22_KUF85183	Oomycete	Phni	Phni_KUF85183	Phni_KUF85183
GH1	429	KUF85265	354	1.80E-124	10	323	1	353	0.72960373	Phytophthora_nicotianae	Phytophthora	GH1_KUF85265	Oomycete	Phni	Phni_KUF85265	Phni_KUF85265
PL1	202	KUF85267	490	4.40E-42	17	199	118	312	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF85267	Oomycete	Phni	Phni_KUF85267	Phni_KUF85267_secreted
GH78	504	KUF85352	835	7.50E-64	107	502	376	800	0.783730159	Phytophthora_nicotianae	Phytophthora	GH78_KUF85352	Oomycete	Phni	Phni_KUF85352	Phni_KUF85352_secreted
GH78	504	KUF85359	847	2.60E-64	115	501	403	819	0.765873016	Phytophthora_nicotianae	Phytophthora	GH78_KUF85359	Oomycete	Phni	Phni_KUF85359	Phni_KUF85359_secreted
GH78	504	KUF85360	850	1.50E-63	107	502	397	821	0.783730159	Phytophthora_nicotianae	Phytophthora	GH78_KUF85360	Oomycete	Phni	Phni_KUF85360	Phni_KUF85360_secreted
GH131	255	KUF85409	327	1.40E-24	35	252	60	266	0.850980392	Phytophthora_nicotianae	Phytophthora	GH131_KUF85409	Oomycete	Phni	Phni_KUF85409	Phni_KUF85409_secreted
PL1	202	KUF85432	412	4.70E-36	21	200	121	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF85432	Oomycete	Phni	Phni_KUF85432	Phni_KUF85432_secreted
PL3	197	KUF85441	396	3.90E-67	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85441	Oomycete	Phni	Phni_KUF85441	Phni_KUF85441_secreted
PL3	197	KUF85442	396	3.90E-67	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85442	Oomycete	Phni	Phni_KUF85442	Phni_KUF85442_secreted
GH12	156	KUF85460	392	1.70E-42	3	155	89	235	0.974358974	Phytophthora_nicotianae	Phytophthora	GH12_KUF85460	Oomycete	Phni	Phni_KUF85460	Phni_KUF85460_secreted
GH12	156	KUF85461	458	7.50E-43	2	156	91	239	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUF85461	Oomycete	Phni	Phni_KUF85461	Phni_KUF85461_secreted
CBM1	29	KUF85596	303	0.000000011	4	25	185	207	0.724137931	Phytophthora_nicotianae	Phytophthora	CBM1_KUF85596	Oomycete	Phni	Phni_KUF85596	Phni_KUF85596_secreted
CBM1	29	KUF85596	303	0.000000018	4	20	41	57	0.551724138	Phytophthora_nicotianae	Phytophthora	CBM1_KUF85596	Oomycete	Phni	Phni_KUF85596	Phni_KUF85596_secreted
PL1	202	KUF85610	446	8.70E-40	21	201	112	307	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF85610	Oomycete	Phni	Phni_KUF85610	Phni_KUF85610
GH17	311	KUF85757	446	3.20E-19	23	306	74	318	0.909967846	Phytophthora_nicotianae	Phytophthora	GH17_KUF85757	Oomycete	Phni	Phni_KUF85757	Phni_KUF85757_secreted
CE8	288	KUF85801	338	1.40E-72	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF85801	Oomycete	Phni	Phni_KUF85801	Phni_KUF85801_secreted
CE1	227	KUF85884	497	0.000000016	12	193	191	448	0.797356828	Phytophthora_nicotianae	Phytophthora	CE1_KUF85884	Oomycete	Phni	Phni_KUF85884	Phni_KUF85884
CE4	130	KUF85908	340	7.70E-12	24	124	114	214	0.769230769	Phytophthora_nicotianae	Phytophthora	CE4_KUF85908	Oomycete	Phni	Phni_KUF85908	Phni_KUF85908_secreted
PL3	197	KUF85956	678	1.20E-67	2	196	28	225	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85956	Oomycete	Phni	Phni_KUF85956	Phni_KUF85956_secreted
PL3	197	KUF85956	678	1.10E-66	2	196	453	651	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85956	Oomycete	Phni	Phni_KUF85956	Phni_KUF85956_secreted
PL3	197	KUF85957	678	1.20E-67	2	196	28	225	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85957	Oomycete	Phni	Phni_KUF85957	Phni_KUF85957_secreted
PL3	197	KUF85957	678	1.90E-66	2	196	453	651	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF85957	Oomycete	Phni	Phni_KUF8595	

GH28	325	KUF86107	362	1.30E-64	5	317	46	362	0.96	Phytophthora_nicotianae	Phytophthora	GH28_KUF86107	Oomycete	Phni	Phni_KUF86107	Phni_KUF86107_secreted
GH3	216	KUF86149	775	1.60E-58	4	215	112	334	0.976851852	Phytophthora_nicotianae	Phytophthora	GH3_KUF86149	Oomycete	Phni	Phni_KUF86149	Phni_KUF86149_secreted
GH18	296	KUF86178	383	1.30E-19	29	158	125	293	0.435810811	Phytophthora_nicotianae	Phytophthora	GH18_KUF86178	Oomycete	Phni	Phni_KUF86178	Phni_KUF86178
CE1	227	KUF86179	455	0.0000023	15	174	162	365	0.700440529	Phytophthora_nicotianae	Phytophthora	CE1_KUF86179	Oomycete	Phni	Phni_KUF86179	Phni_KUF86179
GT31	192	KUF86186	164	1.10E-24	34	158	12	143	0.645833333	Phytophthora_nicotianae	Phytophthora	GT31_KUF86186	Oomycete	Phni	Phni_KUF86186	Phni_KUF86186
GT10	347	KUF86200	927	2.20E-34	156	305	731	890	0.429394813	Phytophthora_nicotianae	Phytophthora	GT10_KUF86200	Oomycete	Phni	Phni_KUF86200	Phni_KUF86200_secreted
GT31	192	KUF86200	927	1.20E-29	3	191	223	411	0.979166667	Phytophthora_nicotianae	Phytophthora	GT31_KUF86200	Oomycete	Phni	Phni_KUF86200	Phni_KUF86200_secreted
GT31	192	KUF86201	460	1.20E-40	3	191	203	405	0.979166667	Phytophthora_nicotianae	Phytophthora	GT31_KUF86201	Oomycete	Phni	Phni_KUF86201	Phni_KUF86201_secreted
GT31	192	KUF86207	577	4.00E-35	2	191	224	426	0.984375	Phytophthora_nicotianae	Phytophthora	GT31_KUF86207	Oomycete	Phni	Phni_KUF86207	Phni_KUF86207_secreted
GH28	325	KUF86279	361	2.40E-64	7	317	48	361	0.953846154	Phytophthora_nicotianae	Phytophthora	GH28_KUF86279	Oomycete	Phni	Phni_KUF86279	Phni_KUF86279_secreted
CBM32	124	KUF86303	138	3.40E-10	10	108	15	117	0.790322581	Phytophthora_nicotianae	Phytophthora	CBM32_KUF86303	Oomycete	Phni	Phni_KUF86303	Phni_KUF86303
GH7	415	KUF86446	583	5.40E-174	1	414	27	468	0.995180723	Phytophthora_nicotianae	Phytophthora	GH7_KUF86446	Oomycete	Phni	Phni_KUF86446	Phni_KUF86446_secreted
GH7	415	KUF86447	521	7.10E-177	1	414	24	463	0.995180723	Phytophthora_nicotianae	Phytophthora	GH7_KUF86447	Oomycete	Phni	Phni_KUF86447	Phni_KUF86447_secreted
CE8	288	KUF86618	338	5.90E-76	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF86618	Oomycete	Phni	Phni_KUF86618	Phni_KUF86618_secreted
CE8	288	KUF86619	338	1.20E-73	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF86619	Oomycete	Phni	Phni_KUF86619	Phni_KUF86619_secreted
CE14	124	KUF86659	412	0.00067	24	81	331	388	0.459677419	Phytophthora_nicotianae	Phytophthora	CE14_KUF86659	Oomycete	Phni	Phni_KUF86659	Phni_KUF86659
GH3	216	KUF86671	807	1.50E-56	4	203	141	350	0.921296296	Phytophthora_nicotianae	Phytophthora	GH3_KUF86671	Oomycete	Phni	Phni_KUF86671	Phni_KUF86671
PL3	197	KUF86705	281	3.00E-64	4	191	32	234	0.949238579	Phytophthora_nicotianae	Phytophthora	PL3_KUF86705	Oomycete	Phni	Phni_KUF86705	Phni_KUF86705_secreted
GT41	705	KUF86712	911	1.70E-50	157	484	353	880	0.463829787	Phytophthora_nicotianae	Phytophthora	GT41_KUF86712	Oomycete	Phni	Phni_KUF86712	Phni_KUF86712
GH6	294	KUF86746	441	7.90E-57	13	289	30	283	0.93877551	Phytophthora_nicotianae	Phytophthora	GH6_KUF86746	Oomycete	Phni	Phni_KUF86746	Phni_KUF86746
GH6	294	KUF86747	460	1.40E-62	11	289	43	299	0.945578231	Phytophthora_nicotianae	Phytophthora	GH6_KUF86747	Oomycete	Phni	Phni_KUF86747	Phni_KUF86747_secreted
GH6	294	KUF86750	417	9.60E-58	13	289	40	294	0.93877551	Phytophthora_nicotianae	Phytophthora	GH6_KUF86750	Oomycete	Phni	Phni_KUF86750	Phni_KUF86750_secreted
GH6	294	KUF86751	369	2.70E-60	11	290	40	297	0.948979592	Phytophthora_nicotianae	Phytophthora	GH6_KUF86751	Oomycete	Phni	Phni_KUF86751	Phni_KUF86751_secreted
GH6	294	KUF86752	487	2.20E-61	10	290	97	355	0.952380952	Phytophthora_nicotianae	Phytophthora	GH6_KUF86752	Oomycete	Phni	Phni_KUF86752	Phni_KUF86752
GH6	294	KUF86753	364	3.90E-54	15	289	36	291	0.931972789	Phytophthora_nicotianae	Phytophthora	GH6_KUF86753	Oomycete	Phni	Phni_KUF86753	Phni_KUF86753_secreted
GH6	294	KUF86754	499	8.60E-56	12	289	33	291	0.942176871	Phytophthora_nicotianae	Phytophthora	GH6_KUF86754	Oomycete	Phni	Phni_KUF86754	Phni_KUF86754
GH105	332	KUF86767	398	3.40E-46	19	332	57	395	0.942771084	Phytophthora_nicotianae	Phytophthora	GH105_KUF86767	Oomycete	Phni	Phni_KUF86767	Phni_KUF86767_secreted
GH81	622	KUF86779	720	3.30E-169	17	621	78	745	0.9711061093	Phytophthora_nicotianae	Phytophthora	GH81_KUF86779	Oomycete	Phni	Phni_KUF86779	Phni_KUF86779
GH85	315	KUF86808	905	1.60E-67	1	311	264	551	0.984126984	Phytophthora_nicotianae	Phytophthora	GH85_KUF86808	Oomycete	Phni	Phni_KUF86808	Phni_KUF86808
PL1	202	KUF86923	374	1.20E-37	21	201	13	208	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF86923	Oomycete	Phni	Phni_KUF86923	Phni_KUF86923
PL1	202	KUF86924	448	2.90E-37	20	201	121	317	0.896039604	Phytophthora_nicotianae	Phytophthora	PL1_KUF86924	Oomycete	Phni	Phni_KUF86924	Phni_KUF86924_secreted
AA6	195	KUF87050	200	4.40E-84	1	195	3	197	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUF87050	Oomycete	Phni	Phni_KUF87050	Phni_KUF87050
GT4	160	KUF87062	478	7.10E-18	7	129	250	387	0.7625	Phytophthora_nicotianae	Phytophthora	GT4_KUF87062	Oomycete	Phni	Phni_KUF87062	Phni_KUF87062
AA6	195	KUF87210	200	4.50E-71	1	195	3	197	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUF87210	Oomycete	Phni	Phni_KUF87210	Phni_KUF87210
AA3	618	KUF87383	590	2.30E-107	74	400	20	569	0.527508091	Phytophthora_nicotianae	Phytophthora	AA3_KUF87383	Oomycete	Phni	Phni_KUF87383	Phni_KUF87383
GH5	275	KUF87422	536	3.50E-39	4	240	34	348	0.858181818	Phytophthora_nicotianae	Phytophthora	GH5_KUF87422	Oomycete	Phni	Phni_KUF87422	Phni_KUF87422
CE13	355	KUF87494	436	1.50E-19	29	176	80	245	0.414084507	Phytophthora_nicotianae	Phytophthora	CE13_KUF87494	Oomycete	Phni	Phni_KUF87494	Phni_KUF87494_secreted
GH72	312	KUF87621	937	1.00E-73	5	289	533	843	0.91025641	Phytophthora_nicotianae	Phytophthora	GH72_KUF87621	Oomycete	Phni	Phni_KUF87621	Phni_KUF87621_secreted
GH72	312	KUF87621	937	1.10E-72	4	289	28	339	0.913461539	Phytophthora_nicotianae	Phytophthora	GH72_KUF87621	Oomycete	Phni	Phni_KUF87621	Phni_KUF87621_secreted
GH72	312	KUF87622	497	6.10E-74	5	284	25	332	0.894230769	Phytophthora_nicotianae	Phytophthora	GH72_KUF87622	Oomycete	Phni	Phni_KUF87622	Phni_KUF87622
GH72	312	KUF87623	523	2.50E-66	5	284	29	360	0.894230769	Phytophthora_nicotianae	Phytophthora	GH72_KUF87623	Oomycete	Phni	Phni_KUF87623	Phni_KUF87623
GH72	312	KUF87624	494	7.30E-68	5	284	20	334	0.894230769	Phytophthora_nicotianae	Phytophthora	GH72_KUF87624	Oomycete	Phni	Phni_KUF87624	Phni_KUF87624_secreted
PL1	202	KUF87645	525	1.30E-43	15	200	125	326	0.915841584	Phytophthora_nicotianae	Phytophthora	PL1_KUF87645	Oomycete	Phni	Phni_KUF87645	Phni_KUF87645_secreted
PL1	202	KUF87649	465	1.40E-40	20	200	127	323	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUF87649	Oomycete	Phni	Phni_KUF87649	Phni_KUF87649_secreted
AA3	618	KUF87689	587	8.20E-117	70	408	14	574	0.546925566	Phytophthora_nicotianae	Phytophthora	AA3_KUF87689	Oomycete	Phni	Phni_KUF87689	Phni_KUF87689
CBM63	78	KUF87831	322	0.000033	12	75	141	202	0.807692308	Phytophthora_nicotianae	Phytophthora	CBM63_KUF87831	Oomycete	Phni	Phni_KUF87831	Phni_KUF87831
CBM63	78	KUF87834	411	0.000000024	2	75	138	210	0.935897436	Phytophthora_nicotianae	Phytophthora	CBM63_KUF87834	Oomycete	Phni	Phni_KUF87834	Phni_KUF87834
CBM47	128	KUF88111	460	3.10E-14	2	125	189	323	0.9609375	Phytophthora_nicotianae	Phytophthora	CBM47_KUF88111	Oomycete	Phni	Phni_KUF88111	Phni_KUF88111
GH16	189	KUF88141	723	2.90E-09	124	189	442	558	0.343915344	Phytophthora_nicotianae	Phytophthora	GH16_KUF88141	Oomycete	Phni	Phni_KUF88141	Phni_KUF88141
GH16	189	KUF88141	723	0.00000055	4	91	62	217	0.46031746	Phytophthora_nicotianae	Phytophthora	GH16_KUF88141	Oomycete	Phni	Phni_KUF88141	Phni_KUF88141
GH3	216	KUF88156	876	6.60E-42	3	216	69	276	0.986111111	Phytophthora_nicotianae	Phytophthora	GH3_KUF88156	Oomycete	Phni	Phni_KUF88156	Phni_KUF88156_secreted
CE10	341	KUF88157	507	2.20E-29	76	193	51	204	0.343108504	Phytophthora_nicotianae	Phytophthora	CE10_KUF88157	Oomycete	Phni	Phni_KUF88157	Phni_KUF88157
CE10	341	KUF88162	554	3.30E-29	76	204	99	258	0.375366569	Phytophthora_nicotianae	Phytophthora	CE10_KUF88162	Oomycete	Phni	Phni_KUF88162	Phni_KUF88162_secreted
CE10	341	KUF88163	561	1.50E-31	75	188	98	232	0.331378299	Phytophthora_nicotianae	Phytophthora	CE10_KUF88163	Oomycete	Phni	Phni_KUF88163	Phni_KUF88163_secreted
GH5	275	KUF88210	686	6.10E-29	2	237	25	525	0.854545455	Phytophthora_nicotianae	Phytophthora	GH5_KUF88210	Oomycete	Phni	Phni_KUF88210	Phni_KUF88210
CE10	341	KUF88296	484	1.20E-29	77	329	176	442	0.739002933	Phytophthora_nicotianae	Phytophthora	CE10_KUF88296	Oomycete	Phni	Phni_KUF88296	Phni_KUF88296
CE10	341	KUF88305	480	5.20E-38	78	316	172	429	0.697947214	Phytophthora_nicotianae	Phytophthora	CE10_KUF88305	Oomycete	Phni	Phni_KUF88305	Phni_KUF88305
GH30	417	KUF88346	511	2.20E-51	27	415	41	505	0.930455636	Phytophthora_nicotianae	Phytophthora	GH30_KUF88346	Oomycete	Phni	Phni_KUF88346	Phni_KUF88346_secreted
PL1	202	KUF88374	483	2.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF88374	Oomycete	Phni	Phni_KUF88374	Phni_KUF88374_secreted
PL1	202	KUF88375	448	1.00E-37	20	201	121	317	0.896039604	Phytophthora_nicotianae	Phytophthora	PL1_KUF88375	Oomycete	Phni	Phni_KUF88375	Phni_KUF88375_secreted
PL1	202	KUF88376	470	1.20E-37	19	201	120	317	0.900990099	Phytophthora_nicotianae	Phytophthora	PL1_KUF88376	Oomycete	Phni	Phni_KUF88376	Phni_KUF88376_secreted
GT4	160	KUF88396	459	2.60E-31	6	147	212	352	0.88125	Phytophthora_nicotianae	Phytophthora	GT4_KUF88396	Oomycete	Phni	Phni_KUF88396	Phni_KUF88396
AA3	618	KUF88503	641	5.50E-74	87	404	65	631	0.512944984	Phytophthora_nicotianae	Phytophthora	AA3_KUF88503	Oomycete	Phni	Phni_KUF88503	Phni_KUF88503
GH47	446	KUF88595	1211	2.00E-134	1	446	251	683	0.997757848	Phytophthora_nicotianae	Phytophthora	GH47_KUF88595	Oomycete	Phni	Phni_KUF88595	Phni_KUF88595
AA8	815	KUF89089	693	3.80E-80	233	780	12	557	0.671165644	Phytophthora_nicotianae	Phytophthora	AA8_KUF89089	Oomycete	Phni	Phni_KUF89089	Phni_KUF89089_secreted
CE12	210	KUF89159	292	4.20E-11	3	160	46	223	0.747619048	Phytophthora_nicotianae	Phytophthora	CE12_KUF89159	Oomycete	Phni	Phni_KUF89159	Phni_KUF89159_secreted
CE10	341	KUF89362	422	2.40E-33	86	337	158	409	0.736070381	Phytophthora_nicotianae	Phytophthora	CE10_KUF89362	Oomycete	Phni	Phni_KUF89362	Phni_KUF89362
GH5	275	KUF89536	492	1.10E-30	7	238	35	347	0.84	Phytophthora_nicotianae	Phytophthora	GH5_KUF89536	Oomycete	Phni	Phni_KUF89536	Phni_KUF89536_secreted
GT22	389	KUF89702	430	1.20E-36	137	364	105	330	0.583547558	Phytophthora_nicotianae	Phytophthora	GT22_KUF89702				

CBM20	90	KUF89810	1043	1.60E-15	14	85	19	97	0.788888889	Phytophthora_nicotianae	Phytophthora	CBM20_KUF89810	Oomycete	Phni	Phni_KUF89810	Phni_KUF89810
CBM47	128	KUF89810	1043	1.20E-14	8	60	122	173	0.40625	Phytophthora_nicotianae	Phytophthora	CBM47_KUF89810	Oomycete	Phni	Phni_KUF89810	Phni_KUF89810
CBM1	29	KUF89859	825	0.00000056	4	22	789	808	0.620689655	Phytophthora_nicotianae	Phytophthora	CBM1_KUF89859	Oomycete	Phni	Phni_KUF89859	Phni_KUF89859
GH30	417	KUF90004	540	3.10E-116	9	416	82	530	0.976019185	Phytophthora_nicotianae	Phytophthora	GH30_KUF90004	Oomycete	Phni	Phni_KUF90004	Phni_KUF90004_secreted
GH10	303	KUF90005	477	1.80E-89	4	289	34	329	0.940594059	Phytophthora_nicotianae	Phytophthora	GH10_KUF90005	Oomycete	Phni	Phni_KUF90005	Phni_KUF90005_secreted
GH28	325	KUF90172	439	6.60E-62	7	316	124	438	0.950769231	Phytophthora_nicotianae	Phytophthora	GH28_KUF90172	Oomycete	Phni	Phni_KUF90172	Phni_KUF90172_secreted
AA7	458	KUF90242	522	7.80E-89	9	458	80	516	0.980349345	Phytophthora_nicotianae	Phytophthora	AA7_KUF90242	Oomycete	Phni	Phni_KUF90242	Phni_KUF90242_secreted
GH30	417	KUF90286	511	2.20E-51	27	415	41	505	0.930455636	Phytophthora_nicotianae	Phytophthora	GH30_KUF90286	Oomycete	Phni	Phni_KUF90286	Phni_KUF90286_secreted
GT4	160	KUF90321	1391	0.000000059	19	127	1197	1321	0.675	Phytophthora_nicotianae	Phytophthora	GT4_KUF90321	Oomycete	Phni	Phni_KUF90321	Phni_KUF90321
GT41	705	KUF90321	1391	1.00E-112	52	518	60	747	0.660992908	Phytophthora_nicotianae	Phytophthora	GT41_KUF90321	Oomycete	Phni	Phni_KUF90321	Phni_KUF90321
GH17	311	KUF90468	460	6.60E-17	2	306	23	272	0.977491961	Phytophthora_nicotianae	Phytophthora	GH17_KUF90468	Oomycete	Phni	Phni_KUF90468	Phni_KUF90468
GH17	311	KUF90472	414	9.90E-20	16	309	7	244	0.942122187	Phytophthora_nicotianae	Phytophthora	GH17_KUF90472	Oomycete	Phni	Phni_KUF90472	Phni_KUF90472
GH17	311	KUF90485	303	5.30E-22	16	309	45	303	0.942122187	Phytophthora_nicotianae	Phytophthora	GH17_KUF90485	Oomycete	Phni	Phni_KUF90485	Phni_KUF90485_secreted
GH30	417	KUF90525	541	4.90E-114	9	416	82	532	0.976019185	Phytophthora_nicotianae	Phytophthora	GH30_KUF90525	Oomycete	Phni	Phni_KUF90525	Phni_KUF90525_secreted
GH30	417	KUF90526	487	1.20E-100	45	416	67	478	0.889688249	Phytophthora_nicotianae	Phytophthora	GH30_KUF90526	Oomycete	Phni	Phni_KUF90526	Phni_KUF90526_secreted
GH30	417	KUF90527	542	2.30E-112	7	416	83	540	0.980815348	Phytophthora_nicotianae	Phytophthora	GH30_KUF90527	Oomycete	Phni	Phni_KUF90527	Phni_KUF90527_secreted
GH30	417	KUF90528	603	4.40E-111	8	416	83	534	0.978417266	Phytophthora_nicotianae	Phytophthora	GH30_KUF90528	Oomycete	Phni	Phni_KUF90528	Phni_KUF90528_secreted
GH30	417	KUF90529	585	8.70E-105	8	415	83	541	0.976019185	Phytophthora_nicotianae	Phytophthora	GH30_KUF90529	Oomycete	Phni	Phni_KUF90529	Phni_KUF90529_secreted
GH18	296	KUF90542	409	2.70E-23	82	279	207	400	0.665540541	Phytophthora_nicotianae	Phytophthora	GH18_KUF90542	Oomycete	Phni	Phni_KUF90542	Phni_KUF90542_secreted
GT20	475	KUF90543	1259	3.50E-108	12	330	87	424	0.669473684	Phytophthora_nicotianae	Phytophthora	GT20_KUF90543	Oomycete	Phni	Phni_KUF90543	Phni_KUF90543
GT20	475	KUF90543	1259	1.30E-63	326	474	505	731	0.311578947	Phytophthora_nicotianae	Phytophthora	GT20_KUF90543	Oomycete	Phni	Phni_KUF90543	Phni_KUF90543
GH114	190	KUF90549	319	1.50E-75	1	190	28	217	0.994736842	Phytophthora_nicotianae	Phytophthora	GH114_KUF90549	Oomycete	Phni	Phni_KUF90549	Phni_KUF90549_secreted
GH30	417	KUF90550	991	3.70E-115	14	416	88	530	0.964028777	Phytophthora_nicotianae	Phytophthora	GH30_KUF90550	Oomycete	Phni	Phni_KUF90550	Phni_KUF90550
GH72	312	KUF90551	588	5.10E-77	6	284	113	414	0.891025641	Phytophthora_nicotianae	Phytophthora	GH72_KUF90551	Oomycete	Phni	Phni_KUF90551	Phni_KUF90551_secreted
GH114	190	KUF90552	309	2.90E-75	1	190	32	221	0.994736842	Phytophthora_nicotianae	Phytophthora	GH114_KUF90552	Oomycete	Phni	Phni_KUF90552	Phni_KUF90552_secreted
CBM50	40	KUF90553	335	4.40E-10	1	39	28	74	0.95	Phytophthora_nicotianae	Phytophthora	CBM50_KUF90553	Oomycete	Phni	Phni_KUF90553	Phni_KUF90553
CBM50	40	KUF90553	335	5.40E-09	1	39	263	309	0.95	Phytophthora_nicotianae	Phytophthora	CBM50_KUF90553	Oomycete	Phni	Phni_KUF90553	Phni_KUF90553
CBM50	40	KUF90553	335	0.000008	1	37	97	141	0.9	Phytophthora_nicotianae	Phytophthora	CBM50_KUF90553	Oomycete	Phni	Phni_KUF90553	Phni_KUF90553
AA6	195	KUF90571	859	7.10E-82	1	195	662	856	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUF90571	Oomycete	Phni	Phni_KUF90571	Phni_KUF90571
CE8	288	KUF90582	338	1.40E-71	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF90582	Oomycete	Phni	Phni_KUF90582	Phni_KUF90582_secreted
CE8	288	KUF90583	338	1.20E-73	3	271	36	312	0.930555556	Phytophthora_nicotianae	Phytophthora	CE8_KUF90583	Oomycete	Phni	Phni_KUF90583	Phni_KUF90583_secreted
GH1	429	KUF90625	500	5.90E-123	2	425	12	483	0.986013986	Phytophthora_nicotianae	Phytophthora	GH1_KUF90625	Oomycete	Phni	Phni_KUF90625	Phni_KUF90625
GT4	160	KUF90763	472	8.60E-09	69	137	324	391	0.425	Phytophthora_nicotianae	Phytophthora	GT4_KUF90763	Oomycete	Phni	Phni_KUF90763	Phni_KUF90763
GH28	325	KUF91066	362	4.80E-65	6	317	47	362	0.956923077	Phytophthora_nicotianae	Phytophthora	GH28_KUF91066	Oomycete	Phni	Phni_KUF91066	Phni_KUF91066_secreted
GH28	325	KUF91067	380	5.90E-64	6	309	65	370	0.932307692	Phytophthora_nicotianae	Phytophthora	GH28_KUF91067	Oomycete	Phni	Phni_KUF91067	Phni_KUF91067_secreted
GH3	216	KUF91102	774	4.60E-59	5	215	112	333	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF91102	Oomycete	Phni	Phni_KUF91102	Phni_KUF91102_secreted
CBM37	62	KUF91128	7383	0.00022	38	61	6716	6742	0.370967742	Phytophthora_nicotianae	Phytophthora	CBM37_KUF91128	Oomycete	Phni	Phni_KUF91128	Phni_KUF91128_secreted
CE5	189	KUF91273	217	1.80E-51	1	183	27	202	0.962962963	Phytophthora_nicotianae	Phytophthora	CE5_KUF91273	Oomycete	Phni	Phni_KUF91273	Phni_KUF91273_secreted
CE5	189	KUF91275	217	1.70E-51	1	184	27	203	0.968253968	Phytophthora_nicotianae	Phytophthora	CE5_KUF91275	Oomycete	Phni	Phni_KUF91275	Phni_KUF91275_secreted
CE5	189	KUF91276	215	5.90E-51	1	183	26	200	0.962962963	Phytophthora_nicotianae	Phytophthora	CE5_KUF91276	Oomycete	Phni	Phni_KUF91276	Phni_KUF91276_secreted
CE5	189	KUF91301	219	4.90E-51	1	184	28	204	0.968253968	Phytophthora_nicotianae	Phytophthora	CE5_KUF91301	Oomycete	Phni	Phni_KUF91301	Phni_KUF91301_secreted
CE5	189	KUF91302	215	2.60E-53	1	186	25	203	0.978835979	Phytophthora_nicotianae	Phytophthora	CE5_KUF91302	Oomycete	Phni	Phni_KUF91302	Phni_KUF91302_secreted
PL4	567	KUF91317	582	2.00E-92	3	561	41	564	0.984126984	Phytophthora_nicotianae	Phytophthora	PL4_KUF91317	Oomycete	Phni	Phni_KUF91317	Phni_KUF91317_secreted
PL4	567	KUF91319	544	3.40E-105	4	563	25	530	0.985890653	Phytophthora_nicotianae	Phytophthora	PL4_KUF91319	Oomycete	Phni	Phni_KUF91319	Phni_KUF91319_secreted
PL4	567	KUF91320	586	9.84126984	3	561	41	568	0.984126984	Phytophthora_nicotianae	Phytophthora	PL4_KUF91320	Oomycete	Phni	Phni_KUF91320	Phni_KUF91320_secreted
GH30	417	KUF91585	525	3.10E-43	7	414	19	512	0.976019185	Phytophthora_nicotianae	Phytophthora	GH30_KUF91585	Oomycete	Phni	Phni_KUF91585	Phni_KUF91585_secreted
CBM13	188	KUF91841	1974	1.50E-16	11	136	1242	1373	0.664893617	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	1.60E-16	9	148	1075	1220	0.739361702	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	3.30E-16	9	150	746	893	0.75	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	2.20E-14	7	136	258	393	0.686170213	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	2.20E-14	10	145	912	1053	0.718085106	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	2.30E-14	10	149	582	727	0.739361702	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	9.60E-14	10	145	101	242	0.718085106	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	1.10E-13	7	135	1401	1532	0.680851064	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
CBM13	188	KUF91841	1974	1.30E-11	9	138	420	555	0.686170213	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91841	Oomycete	Phni	Phni_KUF91841	Phni_KUF91841
GH37	491	KUF91861	634	2.00E-159	1	491	83	629	0.99796334	Phytophthora_nicotianae	Phytophthora	GH37_KUF91861	Oomycete	Phni	Phni_KUF91861	Phni_KUF91861_secreted
PL4	567	KUF91928	543	2.40E-104	4	565	24	531	0.989417989	Phytophthora_nicotianae	Phytophthora	PL4_KUF91928	Oomycete	Phni	Phni_KUF91928	Phni_KUF91928_secreted
CE1	227	KUF91945	282	7.90E-48	1	225	21	278	0.986784141	Phytophthora_nicotianae	Phytophthora	CE1_KUF91945	Oomycete	Phni	Phni_KUF91945	Phni_KUF91945
CBM13	188	KUF91952	212	0.00098	39	111	43	115	0.382978723	Phytophthora_nicotianae	Phytophthora	CBM13_KUF91952	Oomycete	Phni	Phni_KUF91952	Phni_KUF91952
GT1	382	KUF91965	585	2.20E-16	105	336	210	512	0.604712042	Phytophthora_nicotianae	Phytophthora	GT1_KUF91965	Oomycete	Phni	Phni_KUF91965	Phni_KUF91965
GT2	168	KUF91967	334	3.70E-29	2	164	77	251	0.964285714	Phytophthora_nicotianae	Phytophthora	GT2_KUF91967	Oomycete	Phni	Phni_KUF91967	Phni_KUF91967
CBM32	124	KUF92166	145	0.0000025	6	107	17	122	0.814516129	Phytophthora_nicotianae	Phytophthora	CBM32_KUF92166	Oomycete	Phni	Phni_KUF92166	Phni_KUF92166
GT4	160	KUF92391	503	4.40E-27	6	153	297	456	0.91875	Phytophthora_nicotianae	Phytophthora	GT4_KUF92391	Oomycete	Phni	Phni_KUF92391	Phni_KUF92391
GH31	427	KUF92518	1767	5.10E-36	6	301	1349	1689	0.690866511	Phytophthora_nicotianae	Phytophthora	GH31_KUF92518	Oomycete	Phni	Phni_KUF92518	Phni_KUF92518
PL1	202	KUF92550	401	9.00E-41	22	201	123	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF92550	Oomycete	Phni	Phni_KUF92550	Phni_KUF92550_secreted
PL1	202	KUF92551	401	9.00E-41	22	201	123	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF92551	Oomycete	Phni	Phni_KUF92551	Phni_KUF92551_secreted
PL1	202	KUF92552	431	6.40E-37	22	201	156	348	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUF92552	Oomycete	Phni	Phni_KUF92552	Phni_KUF92552_secreted
GT4	160	KUF92637	550	0.0000047	55	136	361	444	0.50625	Phytophthora_nicotianae	Phytophthora	GT4_KUF92637	Oomycete	Phni	Phni_KUF92637	Phni_KUF92637
GH17	311	KUF92716	375	5.40E-18	2	306	116	371	0.977491961							

GH53	342	KUF93035	358	7.50E-83	1	332	24	339	0.967836257	Phytophthora_nicotianae	Phytophthora	GH53_KUF93035	Oomycete	Phni	Phni_KUF93035	Phni_KUF93035_secreted
GH7	415	KUF93454	458	2.00E-139	2	414	26	458	0.992771084	Phytophthora_nicotianae	Phytophthora	GH7_KUF93454	Oomycete	Phni	Phni_KUF93454	Phni_KUF93454_secreted
GH17	311	KUF93638	384	1.00E-24	9	306	44	306	0.954983923	Phytophthora_nicotianae	Phytophthora	GH17_KUF93638	Oomycete	Phni	Phni_KUF93638	Phni_KUF93638_secreted
CE8	288	KUF93912	348	1.50E-69	9	274	49	325	0.920138889	Phytophthora_nicotianae	Phytophthora	CE8_KUF93912	Oomycete	Phni	Phni_KUF93912	Phni_KUF93912_secreted
CE12	210	KUF93921	282	8.50E-14	2	205	48	240	0.966666667	Phytophthora_nicotianae	Phytophthora	CE12_KUF93921	Oomycete	Phni	Phni_KUF93921	Phni_KUF93921
CBM47	128	KUF93956	1401	1.30E-16	4	61	1121	1176	0.4453125	Phytophthora_nicotianae	Phytophthora	CBM47_KUF93956	Oomycete	Phni	Phni_KUF93956	Phni_KUF93956
GH89	663	KUF93977	996	3.90E-214	2	661	294	974	0.993966818	Phytophthora_nicotianae	Phytophthora	GH89_KUF93977	Oomycete	Phni	Phni_KUF93977	Phni_KUF93977
GH28	325	KUF94019	380	4.50E-64	6	309	65	370	0.932307692	Phytophthora_nicotianae	Phytophthora	GH28_KUF94019	Oomycete	Phni	Phni_KUF94019	Phni_KUF94019_secreted
GH28	325	KUF94020	371	2.10E-59	6	308	56	359	0.929230769	Phytophthora_nicotianae	Phytophthora	GH28_KUF94020	Oomycete	Phni	Phni_KUF94020	Phni_KUF94020_secreted
GH28	325	KUF94021	338	1.40E-57	6	307	40	326	0.926153846	Phytophthora_nicotianae	Phytophthora	GH28_KUF94021	Oomycete	Phni	Phni_KUF94021	Phni_KUF94021
GH28	325	KUF94022	397	7.60E-62	6	307	82	385	0.926153846	Phytophthora_nicotianae	Phytophthora	GH28_KUF94022	Oomycete	Phni	Phni_KUF94022	Phni_KUF94022_secreted
CE4	130	KUF94282	297	5.00E-18	9	106	59	154	0.746153846	Phytophthora_nicotianae	Phytophthora	CE4_KUF94282	Oomycete	Phni	Phni_KUF94282	Phni_KUF94282
GT2	168	KUF94297	1026	6.30E-12	2	108	347	534	0.630952381	Phytophthora_nicotianae	Phytophthora	GT2_KUF94297	Oomycete	Phni	Phni_KUF94297	Phni_KUF94297
GT2	168	KUF94297	1026	0.000000033	105	168	645	708	0.375	Phytophthora_nicotianae	Phytophthora	GT2_KUF94297	Oomycete	Phni	Phni_KUF94297	Phni_KUF94297
GH28	325	KUF94598	361	2.40E-64	7	317	48	361	0.953846154	Phytophthora_nicotianae	Phytophthora	GH28_KUF94598	Oomycete	Phni	Phni_KUF94598	Phni_KUF94598_secreted
GH28	325	KUF94599	360	8.50E-65	6	317	46	360	0.956923077	Phytophthora_nicotianae	Phytophthora	GH28_KUF94599	Oomycete	Phni	Phni_KUF94599	Phni_KUF94599_secreted
GH28	325	KUF94601	363	1.00E-61	5	317	48	363	0.96	Phytophthora_nicotianae	Phytophthora	GH28_KUF94601	Oomycete	Phni	Phni_KUF94601	Phni_KUF94601_secreted
GH28	325	KUF94602	358	2.70E-62	5	317	43	358	0.96	Phytophthora_nicotianae	Phytophthora	GH28_KUF94602	Oomycete	Phni	Phni_KUF94602	Phni_KUF94602_secreted
GH28	325	KUF94603	361	2.70E-68	5	317	45	361	0.96	Phytophthora_nicotianae	Phytophthora	GH28_KUF94603	Oomycete	Phni	Phni_KUF94603	Phni_KUF94603_secreted
GT41	705	KUF94670	733	0.000000012	44	278	179	590	0.331914894	Phytophthora_nicotianae	Phytophthora	GT41_KUF94670	Oomycete	Phni	Phni_KUF94670	Phni_KUF94670
GH19	231	KUF95020	232	6.40E-64	6	231	26	230	0.974025974	Phytophthora_nicotianae	Phytophthora	GH19_KUF95020	Oomycete	Phni	Phni_KUF95020	Phni_KUF95020_secreted
GT41	705	KUF95022	863	9.20E-89	464	703	328	575	0.339007092	Phytophthora_nicotianae	Phytophthora	GT41_KUF95022	Oomycete	Phni	Phni_KUF95022	Phni_KUF95022
GT41	705	KUF95022	863	1.80E-70	325	545	587	810	0.312056738	Phytophthora_nicotianae	Phytophthora	GT41_KUF95022	Oomycete	Phni	Phni_KUF95022	Phni_KUF95022
GH19	231	KUF95028	274	5.90E-63	6	231	68	272	0.974025974	Phytophthora_nicotianae	Phytophthora	GH19_KUF95028	Oomycete	Phni	Phni_KUF95028	Phni_KUF95028_secreted
GH19	231	KUF95029	264	5.10E-65	7	231	59	262	0.96969697	Phytophthora_nicotianae	Phytophthora	GH19_KUF95029	Oomycete	Phni	Phni_KUF95029	Phni_KUF95029_secreted
CE8	288	KUF95298	350	1.50E-74	9	274	49	327	0.920138889	Phytophthora_nicotianae	Phytophthora	CE8_KUF95298	Oomycete	Phni	Phni_KUF95298	Phni_KUF95298_secreted
CE8	288	KUF95300	348	8.10E-73	9	273	49	324	0.916666667	Phytophthora_nicotianae	Phytophthora	CE8_KUF95300	Oomycete	Phni	Phni_KUF95300	Phni_KUF95300_secreted
AA2	255	KUF95526	687	1.10E-26	26	253	457	680	0.890196078	Phytophthora_nicotianae	Phytophthora	AA2_KUF95526	Oomycete	Phni	Phni_KUF95526	Phni_KUF95526_secreted
AA2	255	KUF95526	687	3.00E-23	14	126	74	188	0.439215686	Phytophthora_nicotianae	Phytophthora	AA2_KUF95526	Oomycete	Phni	Phni_KUF95526	Phni_KUF95526_secreted
AA2	255	KUF95527	687	1.10E-26	26	253	457	680	0.890196078	Phytophthora_nicotianae	Phytophthora	AA2_KUF95527	Oomycete	Phni	Phni_KUF95527	Phni_KUF95527_secreted
AA2	255	KUF95527	687	3.00E-23	14	126	74	188	0.439215686	Phytophthora_nicotianae	Phytophthora	AA2_KUF95527	Oomycete	Phni	Phni_KUF95527	Phni_KUF95527_secreted
GT71	264	KUF95554	501	1.10E-44	2	264	164	395	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUF95554	Oomycete	Phni	Phni_KUF95554	Phni_KUF95554
AA3	618	KUF95604	590	7.90E-105	84	400	30	569	0.511326861	Phytophthora_nicotianae	Phytophthora	AA3_KUF95604	Oomycete	Phni	Phni_KUF95604	Phni_KUF95604
AA3	618	KUF95605	584	3.60E-107	75	400	15	563	0.525889968	Phytophthora_nicotianae	Phytophthora	AA3_KUF95605	Oomycete	Phni	Phni_KUF95605	Phni_KUF95605
GT4	160	KUF95815	519	0.00016	71	136	361	425	0.40625	Phytophthora_nicotianae	Phytophthora	GT4_KUF95815	Oomycete	Phni	Phni_KUF95815	Phni_KUF95815
PL3	197	KUF95854	446	4.70E-67	2	196	221	419	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF95854	Oomycete	Phni	Phni_KUF95854	Phni_KUF95854
PL3	197	KUF95856	644	1.50E-65	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF95856	Oomycete	Phni	Phni_KUF95856	Phni_KUF95856_secreted
PL3	197	KUF95857	482	1.10E-66	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF95857	Oomycete	Phni	Phni_KUF95857	Phni_KUF95857_secreted
PL3	197	KUF95857	482	1.10E-66	2	196	255	452	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUF95857	Oomycete	Phni	Phni_KUF95857	Phni_KUF95857_secreted
CBM32	124	KUF96158	178	0.000067	11	66	23	85	0.443548387	Phytophthora_nicotianae	Phytophthora	CBM32_KUF96158	Oomycete	Phni	Phni_KUF96158	Phni_KUF96158
GH31	427	KUF96723	397	4.30E-50	111	422	19	369	0.728337237	Phytophthora_nicotianae	Phytophthora	GH31_KUF96723	Oomycete	Phni	Phni_KUF96723	Phni_KUF96723
CE10	341	KUF96725	412	4.50E-30	74	333	98	385	0.759530792	Phytophthora_nicotianae	Phytophthora	CE10_KUF96725	Oomycete	Phni	Phni_KUF96725	Phni_KUF96725
GT60	330	KUF96726	424	1.70E-73	4	329	99	401	0.984848485	Phytophthora_nicotianae	Phytophthora	GT60_KUF96726	Oomycete	Phni	Phni_KUF96726	Phni_KUF96726
GH81	622	KUF96756	793	2.30E-177	17	621	116	787	0.971061093	Phytophthora_nicotianae	Phytophthora	GH81_KUF96756	Oomycete	Phni	Phni_KUF96756	Phni_KUF96756
GH3	216	KUF97200	774	2.30E-59	5	215	112	333	0.972222222	Phytophthora_nicotianae	Phytophthora	GH3_KUF97200	Oomycete	Phni	Phni_KUF97200	Phni_KUF97200_secreted
AA6	195	KUF97720	263	4.00E-83	1	195	66	260	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUF97720	Oomycete	Phni	Phni_KUF97720	Phni_KUF97720
PL3	197	KUF97786	506	9.60E-69	2	195	121	318	0.979695432	Phytophthora_nicotianae	Phytophthora	PL3_KUF97786	Oomycete	Phni	Phni_KUF97786	Phni_KUF97786
GH16	189	KUF97851	667	2.70E-11	122	189	345	496	0.354497355	Phytophthora_nicotianae	Phytophthora	GH16_KUF97851	Oomycete	Phni	Phni_KUF97851	Phni_KUF97851
GH16	189	KUF97851	667	0.00000026	4	115	3	217	0.587301587	Phytophthora_nicotianae	Phytophthora	GH16_KUF97851	Oomycete	Phni	Phni_KUF97851	Phni_KUF97851
CE1	227	KUF97923	584	0.00000024	77	161	176	273	0.370044053	Phytophthora_nicotianae	Phytophthora	CE1_KUF97923	Oomycete	Phni	Phni_KUF97923	Phni_KUF97923_secreted
CBM32	124	KUF98783	254	0.00037	8	71	111	173	0.508064516	Phytophthora_nicotianae	Phytophthora	CBM32_KUF98783	Oomycete	Phni	Phni_KUF98783	Phni_KUF98783
CE12	210	KUF99337	292	5.50E-14	2	162	52	228	0.761904762	Phytophthora_nicotianae	Phytophthora	CE12_KUF99337	Oomycete	Phni	Phni_KUF99337	Phni_KUF99337
CE12	210	KUF99338	282	1.30E-15	2	164	41	219	0.771428571	Phytophthora_nicotianae	Phytophthora	CE12_KUF99338	Oomycete	Phni	Phni_KUF99338	Phni_KUF99338
CE1	227	KUF99584	333	0.0000012	30	143	35	182	0.497797357	Phytophthora_nicotianae	Phytophthora	CE1_KUF99584	Oomycete	Phni	Phni_KUF99584	Phni_KUF99584
GH54	316	KUF99621	349	4.50E-135	1	314	20	328	0.990506329	Phytophthora_nicotianae	Phytophthora	GH54_KUF99621	Oomycete	Phni	Phni_KUF99621	Phni_KUF99621_secreted
GT48	739	KUG00093	2447	2.80E-247	2	661	861	1558	0.891745602	Phytophthora_nicotianae	Phytophthora	GT48_KUG00093	Oomycete	Phni	Phni_KUG00093	Phni_KUG00093
GT71	264	KUG00141	500	3.20E-44	2	249	111	394	0.935606061	Phytophthora_nicotianae	Phytophthora	GT71_KUG00141	Oomycete	Phni	Phni_KUG00141	Phni_KUG00141
GH12	156	KUG00142	239	3.50E-37	2	156	90	238	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUG00142	Oomycete	Phni	Phni_KUG00142	Phni_KUG00142_secreted
CBM63	78	KUG00194	260	0.00000016	3	74	137	207	0.91025641	Phytophthora_nicotianae	Phytophthora	CBM63_KUG00194	Oomycete	Phni	Phni_KUG00194	Phni_KUG00194_secreted
GT1	382	KUG00454	500	1.20E-53	102	375	122	426	0.714659686	Phytophthora_nicotianae	Phytophthora	GT1_KUG00454	Oomycete	Phni	Phni_KUG00454	Phni_KUG00454
GT1	382	KUG00457	1441	6.70E-55	95	375	208	519	0.732984293	Phytophthora_nicotianae	Phytophthora	GT1_KUG00457	Oomycete	Phni	Phni_KUG00457	Phni_KUG00457
GT1	382	KUG00457	1441	4.30E-11	153	375	1008	1270	0.581151833	Phytophthora_nicotianae	Phytophthora	GT1_KUG00457	Oomycete	Phni	Phni_KUG00457	Phni_KUG00457
CBM1	29	KUG00511	201	0.0000025	1	24	154	175	0.793103448	Phytophthora_nicotianae	Phytophthora	CBM1_KUG00511	Oomycete	Phni	Phni_KUG00511	Phni_KUG00511
CBM1	29	KUG00511	201	0.00016	3	27	79	101	0.827586207	Phytophthora_nicotianae	Phytophthora	CBM1_KUG00511	Oomycete	Phni	Phni_KUG00511	Phni_KUG00511
GH5	275	KUG00546	984	1.70E-36	13	240	667	964	0.825454546	Phytophthora_nicotianae	Phytophthora	GH5_KUG00546	Oomycete	Phni	Phni_KUG00546	Phni_KUG00546
CE10	341	KUG00606	442	5.80E-34	93	337	183	426	0.715542522	Phytophthora_nicotianae	Phytophthora	CE10_KUG00606	Oomycete	Phni	Phni_KUG00606	Phni_KUG00606
CE10	341	KUG00620	454	9.30E-35	94	332	176	417	0.697947214	Phytophthora_nicotianae	Phytophthora	CE10_KUG00620	Oomycete	Phni	Phni_KUG00620	Phni_KUG00620
GH5	275	KUG00622	386	8.00E-31	11	233	34	342	0.807272727	Phytophthora_nicotianae	Phytophthora	GH5_KUG00622	Oomycete	Phni	Phni_KUG00622	Phni_KUG00622_secreted
GH5	275	KUG00623	386	8.00E-31	11	23										

AA6	195	KUG00681	200	4.50E-86	1	195	3	197	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUG00681	Oomycete	Phni	Phni_KUG00681	Phni_KUG00681
AA6	195	KUG00682	200	4.40E-84	1	195	3	197	0.994871795	Phytophthora_nicotianae	Phytophthora	AA6_KUG00682	Oomycete	Phni	Phni_KUG00682	Phni_KUG00682
GT60	330	KUG00746	524	5.80E-60	1	330	40	353	0.996969697	Phytophthora_nicotianae	Phytophthora	GT60_KUG00746	Oomycete	Phni	Phni_KUG00746	Phni_KUG00746
PL1	202	KUG00771	465	4.90E-42	20	200	127	323	0.891089109	Phytophthora_nicotianae	Phytophthora	PL1_KUG00771	Oomycete	Phni	Phni_KUG00771	Phni_KUG00771_secreted
CBM63	78	KUG00774	340	0.000000057	2	74	140	213	0.923076923	Phytophthora_nicotianae	Phytophthora	CBM63_KUG00774	Oomycete	Phni	Phni_KUG00774	Phni_KUG00774_secreted
GT31	192	KUG00788	350	1.30E-13	59	189	107	259	0.677083333	Phytophthora_nicotianae	Phytophthora	GT31_KUG00788	Oomycete	Phni	Phni_KUG00788	Phni_KUG00788_secreted
GH5	275	KUG00826	884	2.10E-30	2	237	216	717	0.854545455	Phytophthora_nicotianae	Phytophthora	GH5_KUG00826	Oomycete	Phni	Phni_KUG00826	Phni_KUG00826
GH5	275	KUG00839	753	1.20E-27	3	235	80	581	0.843636364	Phytophthora_nicotianae	Phytophthora	GH5_KUG00839	Oomycete	Phni	Phni_KUG00839	Phni_KUG00839
GH10	303	KUG00843	663	9.10E-86	3	289	344	640	0.943894389	Phytophthora_nicotianae	Phytophthora	GH10_KUG00843	Oomycete	Phni	Phni_KUG00843	Phni_KUG00843_secreted
PL3	197	KUG00857	411	7.20E-71	2	195	31	227	0.979695432	Phytophthora_nicotianae	Phytophthora	PL3_KUG00857	Oomycete	Phni	Phni_KUG00857	Phni_KUG00857_secreted
PL3	197	KUG00858	334	4.20E-71	2	195	31	227	0.979695432	Phytophthora_nicotianae	Phytophthora	PL3_KUG00858	Oomycete	Phni	Phni_KUG00858	Phni_KUG00858_secreted
PL3	197	KUG00859	396	3.90E-67	2	196	31	228	0.984771574	Phytophthora_nicotianae	Phytophthora	PL3_KUG00859	Oomycete	Phni	Phni_KUG00859	Phni_KUG00859_secreted
GT71	264	KUG00898	498	5.10E-47	2	257	114	379	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUG00898	Oomycete	Phni	Phni_KUG00898	Phni_KUG00898
GT20	475	KUG00907	1133	6.80E-149	10	474	55	540	0.976842105	Phytophthora_nicotianae	Phytophthora	GT20_KUG00907	Oomycete	Phni	Phni_KUG00907	Phni_KUG00907
GT71	264	KUG00919	544	7.40E-52	2	264	160	390	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG00919	Oomycete	Phni	Phni_KUG00919	Phni_KUG00919
GT71	264	KUG00921	635	1.60E-50	2	264	176	406	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG00921	Oomycete	Phni	Phni_KUG00921	Phni_KUG00921
GT1	382	KUG00976	707	2.20E-12	196	375	331	546	0.468586387	Phytophthora_nicotianae	Phytophthora	GT1_KUG00976	Oomycete	Phni	Phni_KUG00976	Phni_KUG00976
GT1	382	KUG00977	1492	2.30E-51	92	377	211	527	0.746073298	Phytophthora_nicotianae	Phytophthora	GT1_KUG00977	Oomycete	Phni	Phni_KUG00977	Phni_KUG00977
GT1	382	KUG00977	1492	1.70E-12	94	376	972	1309	0.738219895	Phytophthora_nicotianae	Phytophthora	GT1_KUG00977	Oomycete	Phni	Phni_KUG00977	Phni_KUG00977
GT8	257	KUG01032	423	1.90E-28	23	254	157	388	0.898832685	Phytophthora_nicotianae	Phytophthora	GT8_KUG01032	Oomycete	Phni	Phni_KUG01032	Phni_KUG01032
GH12	156	KUG01108	241	2.50E-42	2	156	90	238	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUG01108	Oomycete	Phni	Phni_KUG01108	Phni_KUG01108_secreted
GH12	156	KUG01109	240	1.60E-39	2	156	91	239	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUG01109	Oomycete	Phni	Phni_KUG01109	Phni_KUG01109_secreted
GH12	156	KUG01110	242	2.20E-41	2	156	91	239	0.987179487	Phytophthora_nicotianae	Phytophthora	GH12_KUG01110	Oomycete	Phni	Phni_KUG01110	Phni_KUG01110_secreted
CBM47	128	KUG01152	1394	0.000000073	24	124	1006	1120	0.78125	Phytophthora_nicotianae	Phytophthora	CBM47_KUG01152	Oomycete	Phni	Phni_KUG01152	Phni_KUG01152
CBM1	29	KUG01153	202	0.00000001	4	22	166	185	0.620689655	Phytophthora_nicotianae	Phytophthora	CBM1_KUG01153	Oomycete	Phni	Phni_KUG01153	Phni_KUG01153_secreted
CBM1	29	KUG01153	202	0.000000027	4	23	43	63	0.655172414	Phytophthora_nicotianae	Phytophthora	CBM1_KUG01153	Oomycete	Phni	Phni_KUG01153	Phni_KUG01153_secreted
CE13	355	KUG01178	464	5.10E-26	25	183	77	253	0.445070423	Phytophthora_nicotianae	Phytophthora	CE13_KUG01178	Oomycete	Phni	Phni_KUG01178	Phni_KUG01178_secreted
CE13	355	KUG01179	476	7.10E-26	25	194	75	262	0.476056338	Phytophthora_nicotianae	Phytophthora	CE13_KUG01179	Oomycete	Phni	Phni_KUG01179	Phni_KUG01179_secreted
GH81	622	KUG01185	847	1.10E-176	11	621	67	729	0.980707396	Phytophthora_nicotianae	Phytophthora	GH81_KUG01185	Oomycete	Phni	Phni_KUG01185	Phni_KUG01185_secreted
GT60	330	KUG01187	464	3.30E-45	3	329	119	436	0.987878788	Phytophthora_nicotianae	Phytophthora	GT60_KUG01187	Oomycete	Phni	Phni_KUG01187	Phni_KUG01187
CE12	210	KUG01204	244	3.00E-14	2	203	13	202	0.957142857	Phytophthora_nicotianae	Phytophthora	CE12_KUG01204	Oomycete	Phni	Phni_KUG01204	Phni_KUG01204
CE13	355	KUG01300	453	2.90E-24	29	253	80	318	0.630985916	Phytophthora_nicotianae	Phytophthora	CE13_KUG01300	Oomycete	Phni	Phni_KUG01300	Phni_KUG01300_secreted
GT22	389	KUG01413	509	4.20E-32	165	361	139	370	0.503856041	Phytophthora_nicotianae	Phytophthora	GT22_KUG01413	Oomycete	Phni	Phni_KUG01413	Phni_KUG01413
GT22	389	KUG01413	509	2.20E-18	2	119	7	144	0.300771208	Phytophthora_nicotianae	Phytophthora	GT22_KUG01413	Oomycete	Phni	Phni_KUG01413	Phni_KUG01413
CE2	209	KUG01431	2046	3.50E-55	1	209	1183	1400	0.995215311	Phytophthora_nicotianae	Phytophthora	CE2_KUG01431	Oomycete	Phni	Phni_KUG01431	Phni_KUG01431
CBM9	182	KUG01486	486	2.90E-27	2	146	38	201	0.791208791	Phytophthora_nicotianae	Phytophthora	CBM9_KUG01486	Oomycete	Phni	Phni_KUG01486	Phni_KUG01486
CBM9	182	KUG01505	408	4.60E-31	1	153	64	252	0.835164835	Phytophthora_nicotianae	Phytophthora	CBM9_KUG01505	Oomycete	Phni	Phni_KUG01505	Phni_KUG01505_secreted
PL3	197	KUG01531	249	2.70E-65	2	194	24	220	0.974619289	Phytophthora_nicotianae	Phytophthora	PL3_KUG01531	Oomycete	Phni	Phni_KUG01531	Phni_KUG01531_secreted
PL3	197	KUG01532	252	1.40E-65	2	186	25	211	0.934010152	Phytophthora_nicotianae	Phytophthora	PL3_KUG01532	Oomycete	Phni	Phni_KUG01532	Phni_KUG01532_secreted
PL3	197	KUG01536	249	2.70E-65	2	194	24	220	0.974619289	Phytophthora_nicotianae	Phytophthora	PL3_KUG01536	Oomycete	Phni	Phni_KUG01536	Phni_KUG01536_secreted
GH30	417	KUG01613	539	2.90E-115	11	416	85	530	0.971223022	Phytophthora_nicotianae	Phytophthora	GH30_KUG01613	Oomycete	Phni	Phni_KUG01613	Phni_KUG01613_secreted
GH6	294	KUG01642	432	2.50E-25	193	290	180	268	0.329931973	Phytophthora_nicotianae	Phytophthora	GH6_KUG01642	Oomycete	Phni	Phni_KUG01642	Phni_KUG01642_secreted
GH6	294	KUG01642	432	3.20E-24	17	164	44	180	0.5	Phytophthora_nicotianae	Phytophthora	GH6_KUG01642	Oomycete	Phni	Phni_KUG01642	Phni_KUG01642_secreted
CE10	341	KUG01652	577	1.50E-26	66	180	109	234	0.33431085	Phytophthora_nicotianae	Phytophthora	CE10_KUG01652	Oomycete	Phni	Phni_KUG01652	Phni_KUG01652_secreted
CE10	341	KUG01663	524	1.40E-22	48	183	68	214	0.395894428	Phytophthora_nicotianae	Phytophthora	CE10_KUG01663	Oomycete	Phni	Phni_KUG01663	Phni_KUG01663_secreted
GT71	264	KUG01699	559	4.90E-50	2	264	205	440	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01699	Oomycete	Phni	Phni_KUG01699	Phni_KUG01699
GT50	262	KUG01731	336	6.00E-64	1	187	79	270	0.709923664	Phytophthora_nicotianae	Phytophthora	GT50_KUG01731	Oomycete	Phni	Phni_KUG01731	Phni_KUG01731
CE8	288	KUG01737	350	7.10E-75	8	274	48	327	0.923611111	Phytophthora_nicotianae	Phytophthora	CE8_KUG01737	Oomycete	Phni	Phni_KUG01737	Phni_KUG01737_secreted
GT71	264	KUG01741	541	1.50E-47	2	264	183	415	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01741	Oomycete	Phni	Phni_KUG01741	Phni_KUG01741
GT71	264	KUG01742	518	5.00E-46	2	264	174	406	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01742	Oomycete	Phni	Phni_KUG01742	Phni_KUG01742
GT71	264	KUG01743	403	1.40E-44	2	264	52	284	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01743	Oomycete	Phni	Phni_KUG01743	Phni_KUG01743
GT71	264	KUG01744	482	2.70E-51	2	264	77	309	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01744	Oomycete	Phni	Phni_KUG01744	Phni_KUG01744
GT71	264	KUG01747	249	3.00E-19	172	264	4	90	0.348484849	Phytophthora_nicotianae	Phytophthora	GT71_KUG01747	Oomycete	Phni	Phni_KUG01747	Phni_KUG01747
GT71	264	KUG01753	605	5.10E-51	2	264	211	443	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01753	Oomycete	Phni	Phni_KUG01753	Phni_KUG01753
GT71	264	KUG01754	657	1.80E-50	2	264	299	534	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01754	Oomycete	Phni	Phni_KUG01754	Phni_KUG01754
GT71	264	KUG01755	459	5.20E-45	2	257	76	340	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUG01755	Oomycete	Phni	Phni_KUG01755	Phni_KUG01755
GT71	264	KUG01756	520	2.60E-51	1	264	160	396	0.996212121	Phytophthora_nicotianae	Phytophthora	GT71_KUG01756	Oomycete	Phni	Phni_KUG01756	Phni_KUG01756
GT71	264	KUG01758	558	3.10E-44	2	264	208	440	0.992424242	Phytophthora_nicotianae	Phytophthora	GT71_KUG01758	Oomycete	Phni	Phni_KUG01758	Phni_KUG01758
GH81	622	KUG01785	795	1.60E-163	11	621	99	772	0.980707396	Phytophthora_nicotianae	Phytophthora	GH81_KUG01785	Oomycete	Phni	Phni_KUG01785	Phni_KUG01785_secreted
GH17	311	KUG01838	303	5.30E-22	16	309	45	303	0.942122187	Phytophthora_nicotianae	Phytophthora	GH17_KUG01838	Oomycete	Phni	Phni_KUG01838	Phni_KUG01838_secreted
CE1	227	KUG01856	423	0.000000021	8	198	35	290	0.837004405	Phytophthora_nicotianae	Phytophthora	CE1_KUG01856	Oomycete	Phni	Phni_KUG01856	Phni_KUG01856
GT71	264	KUG01863	489	1.40E-47	2	257	105	370	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUG01863	Oomycete	Phni	Phni_KUG01863	Phni_KUG01863
GT71	264	KUG01875	407	2.50E-42	4	257	28	290	0.958333333	Phytophthora_nicotianae	Phytophthora	GT71_KUG01875	Oomycete	Phni	Phni_KUG01875	Phni_KUG01875
GT71	264	KUG01878	450	1.10E-46	2	257	68	331	0.965909091	Phytophthora_nicotianae	Phytophthora	GT71_KUG01878	Oomycete	Phni	Phni_KUG01878	Phni_KUG01878_secreted
GH1	429	KUG01882	561	5.60E-139	3	426	7	489	0.986013986	Phytophthora_nicotianae	Phytophthora	GH1_KUG01882	Oomycete	Phni	Phni_KUG01882	Phni_KUG01882
GH1	429	KUG01883	582	2.90E-143	3	426	28	510	0.986013986	Phytophthora_nicotianae	Phytophthora	GH1_KUG01883	Oomycete	Phni	Phni_KUG01883	Phni_KUG01883
GH1	429	KUG01886	571	7.50E-135	4	426	28	509	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUG01886	Oomycete	Phni	Phni_KUG01886	Phni_KUG01886
GH1	429	KUG01887	573	4.10E-127	3	425	27	511	0.983682984	Phytophthora_nicotianae	Phytophthora	GH1_KUG01887	Oomycete	Phni	Phni_KUG01887	Phni_KUG01887
GH1	429	KUG01898	566	8.40E-												

GT1	382	KUG02073	1316	3.20E-52	92	377	73	390	0.746073298	Phytophthora_nicotianae	Phytophthora	GT1_KUG02073	Oomycete	Phni	Phni_KUG02073	Phni_KUG02073
GT1	382	KUG02073	1316	0.000000001	120	375	846	1138	0.667539267	Phytophthora_nicotianae	Phytophthora	GT1_KUG02073	Oomycete	Phni	Phni_KUG02073	Phni_KUG02073
CE10	341	KUG02106	456	1.20E-29	130	334	226	424	0.598240469	Phytophthora_nicotianae	Phytophthora	CE10_KUG02106	Oomycete	Phni	Phni_KUG02106	Phni_KUG02106
CE10	341	KUG02107	340	3.50E-35	94	332	62	303	0.697947214	Phytophthora_nicotianae	Phytophthora	CE10_KUG02107	Oomycete	Phni	Phni_KUG02107	Phni_KUG02107
CE10	341	KUG02108	272	2.20E-32	84	316	13	248	0.680351906	Phytophthora_nicotianae	Phytophthora	CE10_KUG02108	Oomycete	Phni	Phni_KUG02108	Phni_KUG02108
PL3	197	KUG02114	256	3.70E-66	2	189	31	221	0.949238579	Phytophthora_nicotianae	Phytophthora	PL3_KUG02114	Oomycete	Phni	Phni_KUG02114	Phni_KUG02114_secreted
GH109	126	KUG02147	339	4.70E-09	1	124	10	122	0.976190476	Phytophthora_nicotianae	Phytophthora	GH109_KUG02147	Oomycete	Phni	Phni_KUG02147	Phni_KUG02147
GH109	126	KUG02172	365	1.80E-10	1	126	30	149	0.992063492	Phytophthora_nicotianae	Phytophthora	GH109_KUG02172	Oomycete	Phni	Phni_KUG02172	Phni_KUG02172
PL1	202	KUG02178	412	4.70E-36	21	200	121	315	0.886138614	Phytophthora_nicotianae	Phytophthora	PL1_KUG02178	Oomycete	Phni	Phni_KUG02178	Phni_KUG02178_secreted
GT48	739	KUG02198	2003	6.50E-278	3	711	1090	1817	0.958051421	Phytophthora_nicotianae	Phytophthora	GT48_KUG02198	Oomycete	Phni	Phni_KUG02198	Phni_KUG02198
GT48	739	KUG02219	2020	2.00E-281	3	709	1108	1832	0.955345061	Phytophthora_nicotianae	Phytophthora	GT48_KUG02219	Oomycete	Phni	Phni_KUG02219	Phni_KUG02219
CE1	227	KUG02251	570	0.00000006	27	191	7	258	0.72246696	Phytophthora_nicotianae	Phytophthora	CE1_KUG02251	Oomycete	Phni	Phni_KUG02251	Phni_KUG02251
PL1	202	KUG02274	410	4.90E-38	18	201	119	318	0.905940594	Phytophthora_nicotianae	Phytophthora	PL1_KUG02274	Oomycete	Phni	Phni_KUG02274	Phni_KUG02274_secreted
GH7	415	KUG02309	330	5.70E-124	103	414	8	330	0.74939759	Phytophthora_nicotianae	Phytophthora	GH7_KUG02309	Oomycete	Phni	Phni_KUG02309	Phni_KUG02309
GH17	311	KUG02319	298	4.70E-19	2	306	26	280	0.977491961	Phytophthora_nicotianae	Phytophthora	GH17_KUG02319	Oomycete	Phni	Phni_KUG02319	Phni_KUG02319_secreted
GH17	311	KUG02321	299	4.50E-19	2	309	26	284	0.987138264	Phytophthora_nicotianae	Phytophthora	GH17_KUG02321	Oomycete	Phni	Phni_KUG02321	Phni_KUG02321_secreted
PL1	202	ETI29691	439	2.40E-42	21	200	125	318	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI29691	Oomycete	Phpa	Phpa_ETI29691	Phpa_ETI29691_secreted
GH16	189	ETI29729	346	0.00000002	125	189	43	158	0.338624339	Phytophthora_parasitica	Phytophthora	GH16_ETI29729	Oomycete	Phpa	Phpa_ETI29729	Phpa_ETI29729
GH3	216	ETI29830	439	8.40E-59	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI29830	Oomycete	Phpa	Phpa_ETI29830	Phpa_ETI29830_secreted
GH72	312	ETI29947	125	9.60E-29	3	100	22	121	0.310897436	Phytophthora_parasitica	Phytophthora	GH72_ETI29947	Oomycete	Phpa	Phpa_ETI29947	Phpa_ETI29947_secreted
PL3	197	ETI30299	498	1.10E-66	2	196	277	474	0.984771574	Phytophthora_parasitica	Phytophthora	PL3_ETI30299	Oomycete	Phpa	Phpa_ETI30299	Phpa_ETI30299
CBM13	188	ETI30594	423	2.80E-19	8	135	295	419	0.675531915	Phytophthora_parasitica	Phytophthora	CBM13_ETI30594	Oomycete	Phpa	Phpa_ETI30594	Phpa_ETI30594_secreted
GH18	296	ETI30610	459	3.10E-36	85	279	197	437	0.655405405	Phytophthora_parasitica	Phytophthora	GH18_ETI30610	Oomycete	Phpa	Phpa_ETI30610	Phpa_ETI30610
GH18	296	ETI30611	434	2.10E-40	29	279	97	412	0.844594595	Phytophthora_parasitica	Phytophthora	GH18_ETI30611	Oomycete	Phpa	Phpa_ETI30611	Phpa_ETI30611
GH5	275	ETI30724	635	1.90E-38	7	236	163	517	0.832727273	Phytophthora_parasitica	Phytophthora	GH5_ETI30724	Oomycete	Phpa	Phpa_ETI30724	Phpa_ETI30724
GT19	354	ETI30782	526	4.00E-86	2	346	32	490	0.971751412	Phytophthora_parasitica	Phytophthora	GT19_ETI30782	Oomycete	Phpa	Phpa_ETI30782	Phpa_ETI30782
GT19	354	ETI30783	501	1.30E-89	2	346	32	465	0.971751412	Phytophthora_parasitica	Phytophthora	GT19_ETI30783	Oomycete	Phpa	Phpa_ETI30783	Phpa_ETI30783
GT19	354	ETI30784	473	3.00E-83	2	328	32	472	0.920903955	Phytophthora_parasitica	Phytophthora	GT19_ETI30784	Oomycete	Phpa	Phpa_ETI30784	Phpa_ETI30784
GT19	354	ETI30785	457	9.50E-73	38	346	1	421	0.870056497	Phytophthora_parasitica	Phytophthora	GT19_ETI30785	Oomycete	Phpa	Phpa_ETI30785	Phpa_ETI30785
GT19	354	ETI30786	448	7.30E-87	2	328	32	447	0.920903955	Phytophthora_parasitica	Phytophthora	GT19_ETI30786	Oomycete	Phpa	Phpa_ETI30786	Phpa_ETI30786
GT19	354	ETI30787	432	3.60E-76	38	346	1	396	0.870056497	Phytophthora_parasitica	Phytophthora	GT19_ETI30787	Oomycete	Phpa	Phpa_ETI30787	Phpa_ETI30787
GT19	354	ETI30788	379	1.90E-73	38	328	1	378	0.81920904	Phytophthora_parasitica	Phytophthora	GT19_ETI30788	Oomycete	Phpa	Phpa_ETI30788	Phpa_ETI30788
PL3	197	ETI30991	203	4.00E-64	2	171	31	201	0.85786802	Phytophthora_parasitica	Phytophthora	PL3_ETI30991	Oomycete	Phpa	Phpa_ETI30991	Phpa_ETI30991_secreted
CE10	341	ETI31178	535	6.90E-38	78	316	227	484	0.697947214	Phytophthora_parasitica	Phytophthora	CE10_ETI31178	Oomycete	Phpa	Phpa_ETI31178	Phpa_ETI31178
CE10	341	ETI31179	458	4.20E-43	77	329	138	416	0.739002933	Phytophthora_parasitica	Phytophthora	CE10_ETI31179	Oomycete	Phpa	Phpa_ETI31179	Phpa_ETI31179
CE8	288	ETI31471	372	2.40E-71	3	274	63	349	0.940972222	Phytophthora_parasitica	Phytophthora	CE8_ETI31471	Oomycete	Phpa	Phpa_ETI31471	Phpa_ETI31471_secreted
CE8	288	ETI31497	346	4.90E-73	3	274	37	323	0.940972222	Phytophthora_parasitica	Phytophthora	CE8_ETI31497	Oomycete	Phpa	Phpa_ETI31497	Phpa_ETI31497_secreted
CE8	288	ETI31536	350	1.20E-75	8	274	48	327	0.923611111	Phytophthora_parasitica	Phytophthora	CE8_ETI31536	Oomycete	Phpa	Phpa_ETI31536	Phpa_ETI31536_secreted
CE8	288	ETI31538	351	9.10E-73	9	274	49	328	0.920138889	Phytophthora_parasitica	Phytophthora	CE8_ETI31538	Oomycete	Phpa	Phpa_ETI31538	Phpa_ETI31538_secreted
CE8	288	ETI31539	350	1.90E-76	8	275	48	328	0.927083333	Phytophthora_parasitica	Phytophthora	CE8_ETI31539	Oomycete	Phpa	Phpa_ETI31539	Phpa_ETI31539_secreted
CE8	288	ETI31540	366	2.00E-75	2	273	62	342	0.940972222	Phytophthora_parasitica	Phytophthora	CE8_ETI31540	Oomycete	Phpa	Phpa_ETI31540	Phpa_ETI31540_secreted
CE8	288	ETI31582	348	2.80E-72	9	273	49	324	0.916666667	Phytophthora_parasitica	Phytophthora	CE8_ETI31582	Oomycete	Phpa	Phpa_ETI31582	Phpa_ETI31582_secreted
CE8	288	ETI31583	350	1.10E-74	9	274	49	327	0.920138889	Phytophthora_parasitica	Phytophthora	CE8_ETI31583	Oomycete	Phpa	Phpa_ETI31583	Phpa_ETI31583_secreted
GH72	312	ETI31681	453	6.90E-12	12	214	18	216	0.647435897	Phytophthora_parasitica	Phytophthora	GH72_ETI31681	Oomycete	Phpa	Phpa_ETI31681	Phpa_ETI31681
GH5	275	ETI31682	371	1.60E-43	6	239	17	341	0.847272727	Phytophthora_parasitica	Phytophthora	GH5_ETI31682	Oomycete	Phpa	Phpa_ETI31682	Phpa_ETI31682
PL1	202	ETI31726	322	1.00E-38	18	201	119	318	0.905940594	Phytophthora_parasitica	Phytophthora	PL1_ETI31726	Oomycete	Phpa	Phpa_ETI31726	Phpa_ETI31726_secreted
GH37	491	ETI31824	638	2.10E-159	1	491	87	633	0.99796334	Phytophthora_parasitica	Phytophthora	GH37_ETI31824	Oomycete	Phpa	Phpa_ETI31824	Phpa_ETI31824_secreted
GH37	491	ETI31838	740	3.80E-161	2	489	185	731	0.991853361	Phytophthora_parasitica	Phytophthora	GH37_ETI31838	Oomycete	Phpa	Phpa_ETI31838	Phpa_ETI31838
CBM20	90	ETI31845	1178	0.00000076	2	82	105	189	0.888888889	Phytophthora_parasitica	Phytophthora	CBM20_ETI31845	Oomycete	Phpa	Phpa_ETI31845	Phpa_ETI31845
GT20	475	ETI31845	1178	9.30E-133	14	474	314	810	0.968421053	Phytophthora_parasitica	Phytophthora	GT20_ETI31845	Oomycete	Phpa	Phpa_ETI31845	Phpa_ETI31845
CBM47	128	ETI31876	5468	0.0000054	3	77	4890	4969	0.578125	Phytophthora_parasitica	Phytophthora	CBM47_ETI31876	Oomycete	Phpa	Phpa_ETI31876	Phpa_ETI31876
GH7	415	ETI31878	521	9.60E-178	1	414	24	463	0.995180723	Phytophthora_parasitica	Phytophthora	GH7_ETI31878	Oomycete	Phpa	Phpa_ETI31878	Phpa_ETI31878_secreted
GH7	415	ETI31880	583	8.00E-176	1	414	27	468	0.995180723	Phytophthora_parasitica	Phytophthora	GH7_ETI31880	Oomycete	Phpa	Phpa_ETI31880	Phpa_ETI31880_secreted
CE14	124	ETI31907	412	0.00067	24	81	331	388	0.459677419	Phytophthora_parasitica	Phytophthora	CE14_ETI31907	Oomycete	Phpa	Phpa_ETI31907	Phpa_ETI31907
CBM63	78	ETI31998	434	0.00000012	2	74	140	213	0.923076923	Phytophthora_parasitica	Phytophthora	CBM63_ETI31998	Oomycete	Phpa	Phpa_ETI31998	Phpa_ETI31998
CBM63	78	ETI31999	607	0.0000012	2	74	138	211	0.923076923	Phytophthora_parasitica	Phytophthora	CBM63_ETI31999	Oomycete	Phpa	Phpa_ETI31999	Phpa_ETI31999
CBM63	78	ETI32000	503	0.000000032	2	75	197	269	0.935897436	Phytophthora_parasitica	Phytophthora	CBM63_ETI32000	Oomycete	Phpa	Phpa_ETI32000	Phpa_ETI32000
CE1	227	ETI32004	638	4.70E-10	41	143	322	451	0.449339207	Phytophthora_parasitica	Phytophthora	CE1_ETI32004	Oomycete	Phpa	Phpa_ETI32004	Phpa_ETI32004
CBM63	78	ETI32011	411	0.000000024	2	75	138	210	0.935897436	Phytophthora_parasitica	Phytophthora	CBM63_ETI32011	Oomycete	Phpa	Phpa_ETI32011	Phpa_ETI32011
CBM63	78	ETI32013	322	0.000033	12	75	141	202	0.807692308	Phytophthora_parasitica	Phytophthora	CBM63_ETI32013	Oomycete	Phpa	Phpa_ETI32013	Phpa_ETI32013
GH5	275	ETI32038	419	1.10E-30	11	233	67	375	0.807272727	Phytophthora_parasitica	Phytophthora	GH5_ETI32038	Oomycete	Phpa	Phpa_ETI32038	Phpa_ETI32038
GH5	275	ETI32045	419	1.10E-30	11	233	67	375	0.807272727	Phytophthora_parasitica	Phytophthora	GH5_ETI32045	Oomycete	Phpa	Phpa_ETI32045	Phpa_ETI32045
GH5	275	ETI32046	419	1.10E-30	11	233	67	375	0.807272727	Phytophthora_parasitica	Phytophthora	GH5_ETI32046	Oomycete	Phpa	Phpa_ETI32046	Phpa_ETI32046
GH1	429	ETI32119	475	2.60E-175	4	428	6	472	0.988344988	Phytophthora_parasitica	Phytophthora	GH1_ETI32119	Oomycete	Phpa	Phpa_ETI32119	Phpa_ETI32119
GH1	429	ETI32120	475	7.30E-173	4	428	6	472	0.988344988	Phytophthora_parasitica	Phytophthora	GH1_ETI32120	Oomycete	Phpa	Phpa_ETI32120	Phpa_ETI32120
GH54	316	ETI32157	333	4.30E-129	9	314	12	312	0.965189873	Phytophthora_parasitica	Phytophthora	GH54_ETI32157	Oomycete	Phpa	Phpa_ETI32157	Phpa_ETI32157
GT4	160	ETI32170	512	0.00015	71	136	354	418	0.40625	Phytophthora_parasitica	Phytophthora	GT4_ETI32170	Oomycete	Phpa	Phpa_ETI32170	Phpa_ETI32170
GT4	160	ETI32182	512	0.00015	71	136	354	418	0.40625	Phytophthora_parasitica	Phytophthora	GT4_ETI32182	Oomycete	Phpa	Phpa_ETI32182	Phpa_ETI32182
GT4	160	ETI32196	620	0.0000058	55	136	4									

GT2	168	ETI32342	297	2.70E-29	2	164	77	251	0.964285714	Phytophthora_parasitica	Phytophthora	GT2_ETI32342	Oomycete	Phpa	Phpa_ETI32342	Phpa_ETI32342
GT1	382	ETI32348	657	4.40E-26	105	380	210	556	0.719895288	Phytophthora_parasitica	Phytophthora	GT1_ETI32348	Oomycete	Phpa	Phpa_ETI32348	Phpa_ETI32348
CE1	227	ETI32360	282	7.90E-48	1	225	21	278	0.986784141	Phytophthora_parasitica	Phytophthora	CE1_ETI32360	Oomycete	Phpa	Phpa_ETI32360	Phpa_ETI32360
GH85	315	ETI32392	892	1.60E-67	1	311	251	538	0.984126984	Phytophthora_parasitica	Phytophthora	GH85_ETI32392	Oomycete	Phpa	Phpa_ETI32392	Phpa_ETI32392
CBM47	128	ETI32443	1446	0.000000077	24	124	1058	1172	0.78125	Phytophthora_parasitica	Phytophthora	CBM47_ETI32443	Oomycete	Phpa	Phpa_ETI32443	Phpa_ETI32443
CBM47	128	ETI32444	1429	0.000000076	24	124	1041	1155	0.78125	Phytophthora_parasitica	Phytophthora	CBM47_ETI32444	Oomycete	Phpa	Phpa_ETI32444	Phpa_ETI32444
CBM1	29	ETI32445	202	0.00000001	4	22	166	185	0.620689655	Phytophthora_parasitica	Phytophthora	CBM1_ETI32445	Oomycete	Phpa	Phpa_ETI32445	Phpa_ETI32445_secreted
CBM1	29	ETI32445	202	0.000000027	4	23	43	63	0.655172414	Phytophthora_parasitica	Phytophthora	CBM1_ETI32445	Oomycete	Phpa	Phpa_ETI32445	Phpa_ETI32445_secreted
GH109	126	ETI32590	337	3.80E-13	4	121	11	119	0.928571429	Phytophthora_parasitica	Phytophthora	GH109_ETI32590	Oomycete	Phpa	Phpa_ETI32590	Phpa_ETI32590
GH109	126	ETI32591	338	9.50E-15	2	122	7	118	0.952380952	Phytophthora_parasitica	Phytophthora	GH109_ETI32591	Oomycete	Phpa	Phpa_ETI32591	Phpa_ETI32591
GH109	126	ETI32592	347	2.50E-12	2	116	8	113	0.904761905	Phytophthora_parasitica	Phytophthora	GH109_ETI32592	Oomycete	Phpa	Phpa_ETI32592	Phpa_ETI32592
GH109	126	ETI32593	355	8.70E-16	2	122	10	123	0.952380952	Phytophthora_parasitica	Phytophthora	GH109_ETI32593	Oomycete	Phpa	Phpa_ETI32593	Phpa_ETI32593
GH3	216	ETI32678	803	4.40E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32678	Oomycete	Phpa	Phpa_ETI32678	Phpa_ETI32678_secreted
GH3	216	ETI32679	803	4.40E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32679	Oomycete	Phpa	Phpa_ETI32679	Phpa_ETI32679_secreted
GH3	216	ETI32680	788	4.20E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32680	Oomycete	Phpa	Phpa_ETI32680	Phpa_ETI32680_secreted
GH3	216	ETI32681	788	4.20E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32681	Oomycete	Phpa	Phpa_ETI32681	Phpa_ETI32681_secreted
GH3	216	ETI32682	788	4.20E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32682	Oomycete	Phpa	Phpa_ETI32682	Phpa_ETI32682_secreted
GH3	216	ETI32688	788	4.20E-58	5	216	116	338	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI32688	Oomycete	Phpa	Phpa_ETI32688	Phpa_ETI32688_secreted
PL3	197	ETI32716	237	7.90E-54	25	190	1	180	0.837563452	Phytophthora_parasitica	Phytophthora	PL3_ETI32716	Oomycete	Phpa	Phpa_ETI32716	Phpa_ETI32716
CBM1	29	ETI32733	136	0.000000015	4	22	100	119	0.620689655	Phytophthora_parasitica	Phytophthora	CBM1_ETI32733	Oomycete	Phpa	Phpa_ETI32733	Phpa_ETI32733_secreted
CBM1	29	ETI32733	136	0.000000017	4	20	42	58	0.551724138	Phytophthora_parasitica	Phytophthora	CBM1_ETI32733	Oomycete	Phpa	Phpa_ETI32733	Phpa_ETI32733_secreted
CBM1	29	ETI32734	341	0.000000013	4	25	185	207	0.724137931	Phytophthora_parasitica	Phytophthora	CBM1_ETI32734	Oomycete	Phpa	Phpa_ETI32734	Phpa_ETI32734_secreted
CBM1	29	ETI32734	341	0.000000056	4	20	41	57	0.551724138	Phytophthora_parasitica	Phytophthora	CBM1_ETI32734	Oomycete	Phpa	Phpa_ETI32734	Phpa_ETI32734_secreted
GH3	216	ETI32779	759	1.80E-60	4	214	72	321	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI32779	Oomycete	Phpa	Phpa_ETI32779	Phpa_ETI32779_secreted
GT22	389	ETI32807	587	3.90E-91	2	389	40	465	0.994858612	Phytophthora_parasitica	Phytophthora	GT22_ETI32807	Oomycete	Phpa	Phpa_ETI32807	Phpa_ETI32807
GH5	275	ETI32813	645	4.30E-32	3	238	238	587	0.854545455	Phytophthora_parasitica	Phytophthora	GH5_ETI32813	Oomycete	Phpa	Phpa_ETI32813	Phpa_ETI32813
GH5	275	ETI32814	634	2.30E-31	3	240	225	576	0.861818182	Phytophthora_parasitica	Phytophthora	GH5_ETI32814	Oomycete	Phpa	Phpa_ETI32814	Phpa_ETI32814
GH1	429	ETI32819	533	7.80E-129	4	425	37	518	0.981351981	Phytophthora_parasitica	Phytophthora	GH1_ETI32819	Oomycete	Phpa	Phpa_ETI32819	Phpa_ETI32819_secreted
AA8	815	ETI32955	819	3.70E-84	236	787	53	604	0.67607362	Phytophthora_parasitica	Phytophthora	AA8_ETI32955	Oomycete	Phpa	Phpa_ETI32955	Phpa_ETI32955
GT4	160	ETI33066	537	0.000000011	69	137	389	456	0.425	Phytophthora_parasitica	Phytophthora	GT4_ETI33066	Oomycete	Phpa	Phpa_ETI33066	Phpa_ETI33066
GH30	417	ETI33077	499	7.40E-63	7	416	20	492	0.980815348	Phytophthora_parasitica	Phytophthora	GH30_ETI33077	Oomycete	Phpa	Phpa_ETI33077	Phpa_ETI33077_secreted
GH6	294	ETI33083	433	3.90E-58	13	288	39	292	0.93537415	Phytophthora_parasitica	Phytophthora	GH6_ETI33083	Oomycete	Phpa	Phpa_ETI33083	Phpa_ETI33083_secreted
GT2	168	ETI33355	1142	3.00E-26	15	168	564	817	0.910714286	Phytophthora_parasitica	Phytophthora	GT2_ETI33355	Oomycete	Phpa	Phpa_ETI33355	Phpa_ETI33355
GT2_Cellulose_synt	722	ETI33355	1142	6.60E-17	416	678	819	1085	0.362880886	Phytophthora_parasitica	Phytophthora	GT2_Cellulose_synt_ETI33355	Oomycete	Phpa	Phpa_ETI33355	Phpa_ETI33355
GH81	622	ETI33381	1084	1.00E-156	17	622	72	771	0.97266881	Phytophthora_parasitica	Phytophthora	GH81_ETI33381	Oomycete	Phpa	Phpa_ETI33381	Phpa_ETI33381
GH81	622	ETI33382	1084	1.00E-156	17	622	72	771	0.97266881	Phytophthora_parasitica	Phytophthora	GH81_ETI33382	Oomycete	Phpa	Phpa_ETI33382	Phpa_ETI33382
GH10	303	ETI33415	393	2.10E-86	3	289	74	370	0.943894389	Phytophthora_parasitica	Phytophthora	GH10_ETI33415	Oomycete	Phpa	Phpa_ETI33415	Phpa_ETI33415
GH10	303	ETI33416	355	1.20E-88	2	289	35	332	0.94719472	Phytophthora_parasitica	Phytophthora	GH10_ETI33416	Oomycete	Phpa	Phpa_ETI33416	Phpa_ETI33416_secreted
GH28	325	ETI33451	422	1.20E-63	4	317	106	422	0.963076923	Phytophthora_parasitica	Phytophthora	GH28_ETI33451	Oomycete	Phpa	Phpa_ETI33451	Phpa_ETI33451
CBM25	78	ETI33471	90	0.000000028	52	76	2	26	0.307692308	Phytophthora_parasitica	Phytophthora	CBM25_ETI33471	Oomycete	Phpa	Phpa_ETI33471	Phpa_ETI33471
GT41	705	ETI33477	1013	6.40E-89	464	703	478	725	0.339007092	Phytophthora_parasitica	Phytophthora	GT41_ETI33477	Oomycete	Phpa	Phpa_ETI33477	Phpa_ETI33477
GT41	705	ETI33477	1013	1.90E-69	325	545	737	960	0.312056738	Phytophthora_parasitica	Phytophthora	GT41_ETI33477	Oomycete	Phpa	Phpa_ETI33477	Phpa_ETI33477
GT41	705	ETI33489	759	3.70E-89	464	703	224	471	0.339007092	Phytophthora_parasitica	Phytophthora	GT41_ETI33489	Oomycete	Phpa	Phpa_ETI33489	Phpa_ETI33489
GT41	705	ETI33489	759	8.20E-70	325	545	483	706	0.312056738	Phytophthora_parasitica	Phytophthora	GT41_ETI33489	Oomycete	Phpa	Phpa_ETI33489	Phpa_ETI33489
GH19	231	ETI33512	276	1.20E-63	6	231	70	274	0.974025974	Phytophthora_parasitica	Phytophthora	GH19_ETI33512	Oomycete	Phpa	Phpa_ETI33512	Phpa_ETI33512
GH19	231	ETI33513	266	5.00E-44	6	160	117	261	0.666666667	Phytophthora_parasitica	Phytophthora	GH19_ETI33513	Oomycete	Phpa	Phpa_ETI33513	Phpa_ETI33513
GH19	231	ETI33514	264	5.10E-65	7	231	59	262	0.96969697	Phytophthora_parasitica	Phytophthora	GH19_ETI33514	Oomycete	Phpa	Phpa_ETI33514	Phpa_ETI33514_secreted
PL1	202	ETI33705	525	2.40E-43	15	200	125	326	0.915841584	Phytophthora_parasitica	Phytophthora	PL1_ETI33705	Oomycete	Phpa	Phpa_ETI33705	Phpa_ETI33705_secreted
PL1	202	ETI33723	484	5.80E-42	20	200	146	342	0.891089109	Phytophthora_parasitica	Phytophthora	PL1_ETI33723	Oomycete	Phpa	Phpa_ETI33723	Phpa_ETI33723
CBM50	40	ETI34023	1641	0.00000012	4	39	1495	1534	0.875	Phytophthora_parasitica	Phytophthora	CBM50_ETI34023	Oomycete	Phpa	Phpa_ETI34023	Phpa_ETI34023
CBM9	182	ETI34139	408	4.60E-31	1	153	64	252	0.835164835	Phytophthora_parasitica	Phytophthora	CBM9_ETI34139	Oomycete	Phpa	Phpa_ETI34139	Phpa_ETI34139_secreted
GT20	475	ETI34244	1072	8.70E-105	13	473	66	617	0.968421053	Phytophthora_parasitica	Phytophthora	GT20_ETI34244	Oomycete	Phpa	Phpa_ETI34244	Phpa_ETI34244
CE8	288	ETI34272	230	2.20E-63	77	273	14	206	0.680555556	Phytophthora_parasitica	Phytophthora	CE8_ETI34272	Oomycete	Phpa	Phpa_ETI34272	Phpa_ETI34272
CE8	288	ETI34283	338	6.80E-75	8	273	43	314	0.920138889	Phytophthora_parasitica	Phytophthora	CE8_ETI34283	Oomycete	Phpa	Phpa_ETI34283	Phpa_ETI34283_secreted
CE10	341	ETI34350	326	8.70E-43	65	334	56	320	0.788856305	Phytophthora_parasitica	Phytophthora	CE10_ETI34350	Oomycete	Phpa	Phpa_ETI34350	Phpa_ETI34350
GT8	257	ETI34466	579	2.80E-15	39	205	76	227	0.645914397	Phytophthora_parasitica	Phytophthora	GT8_ETI34466	Oomycete	Phpa	Phpa_ETI34466	Phpa_ETI34466
GT58	364	ETI34472	572	1.30E-135	2	364	51	404	0.994505495	Phytophthora_parasitica	Phytophthora	GT58_ETI34472	Oomycete	Phpa	Phpa_ETI34472	Phpa_ETI34472
PL1	202	ETI34495	490	4.40E-42	17	199	118	312	0.900990099	Phytophthora_parasitica	Phytophthora	PL1_ETI34495	Oomycete	Phpa	Phpa_ETI34495	Phpa_ETI34495_secreted
GT71	264	ETI34496	497	4.10E-45	2	257	115	378	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI34496	Oomycete	Phpa	Phpa_ETI34496	Phpa_ETI34496
GT71	264	ETI34497	512	1.70E-44	4	257	122	385	0.958333333	Phytophthora_parasitica	Phytophthora	GT71_ETI34497	Oomycete	Phpa	Phpa_ETI34497	Phpa_ETI34497
GT71	264	ETI34498	493	1.10E-40	7	258	113	374	0.950757576	Phytophthora_parasitica	Phytophthora	GT71_ETI34498	Oomycete	Phpa	Phpa_ETI34498	Phpa_ETI34498
GT71	264	ETI34499	486	1.50E-42	2	257	106	371	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI34499	Oomycete	Phpa	Phpa_ETI34499	Phpa_ETI34499
GT71	264	ETI34505	453	1.50E-41	2	262	71	343	0.984848485	Phytophthora_parasitica	Phytophthora	GT71_ETI34505	Oomycete	Phpa	Phpa_ETI34505	Phpa_ETI34505
GT71	264	ETI34508	461	9.70E-40	2	261	79	350	0.981060606	Phytophthora_parasitica	Phytophthora	GT71_ETI34508	Oomycete	Phpa	Phpa_ETI34508	Phpa_ETI34508_secreted
PL4	567	ETI34521	543	5.00E-104	4	565	24	531	0.989417989	Phytophthora_parasitica	Phytophthora	PL4_ETI34521	Oomycete	Phpa	Phpa_ETI34521	Phpa_ETI34521_secreted
GH17	311	ETI34552	447	3.30E-19	23	306	75	319	0.909967846	Phytophthora_parasitica	Phytophthora	GH17_ETI34552	Oomycete	Phpa	Phpa_ETI34552	Phpa_ETI34552_secreted
PL4	567	ETI34571	452	2.40E-43	22	354	4	290	0.585537919	Phytophthora_parasitica	Phytophthora	PL4_ETI34571	Oomycete	Phpa	Phpa_ETI34571	Phpa_ETI34571
PL4	567	ETI34572	582	3.40E-92	3	561	41	564	0.984126984	Phytophthora_parasitica	Phytophthora	PL4_ETI34572	Oomycete			

GT71	264	ETI34622	578	8.50E-52	2	264	194	424	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI34622	Oomycete	Phpa	Phpa_ETI34622	Phpa_ETI34622
GT71	264	ETI34628	635	1.60E-50	2	264	176	406	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI34628	Oomycete	Phpa	Phpa_ETI34628	Phpa_ETI34628
AA4	522	ETI34677	501	2.40E-22	21	199	45	222	0.340996169	Phytophthora_parasitica	Phytophthora	AA4_ETI34677	Oomycete	Phpa	Phpa_ETI34677	Phpa_ETI34677
GH47	446	ETI34712	1211	2.00E-134	1	446	251	683	0.997757848	Phytophthora_parasitica	Phytophthora	GH47_ETI34712	Oomycete	Phpa	Phpa_ETI34712	Phpa_ETI34712
GT2	168	ETI34791	566	0.00052	38	105	154	224	0.398809524	Phytophthora_parasitica	Phytophthora	GT2_ETI34791	Oomycete	Phpa	Phpa_ETI34791	Phpa_ETI34791
GH43	248	ETI34939	197	4.80E-32	9	136	31	187	0.512096774	Phytophthora_parasitica	Phytophthora	GH43_ETI34939	Oomycete	Phpa	Phpa_ETI34939	Phpa_ETI34939_secreted
GH17	311	ETI34999	287	2.20E-18	2	306	28	283	0.977491961	Phytophthora_parasitica	Phytophthora	GH17_ETI34999	Oomycete	Phpa	Phpa_ETI34999	Phpa_ETI34999_secreted
GH17	311	ETI35002	288	1.20E-14	2	305	29	283	0.974276527	Phytophthora_parasitica	Phytophthora	GH17_ETI35002	Oomycete	Phpa	Phpa_ETI35002	Phpa_ETI35002_secreted
CBM1	29	ETI35022	129	3.60E-09	2	28	84	110	0.896551724	Phytophthora_parasitica	Phytophthora	CBM1_ETI35022	Oomycete	Phpa	Phpa_ETI35022	Phpa_ETI35022_secreted
GH17	311	ETI35036	419	2.20E-20	2	306	25	279	0.977491961	Phytophthora_parasitica	Phytophthora	GH17_ETI35036	Oomycete	Phpa	Phpa_ETI35036	Phpa_ETI35036_secreted
GH17	311	ETI35037	417	1.00E-24	2	306	23	277	0.977491961	Phytophthora_parasitica	Phytophthora	GH17_ETI35037	Oomycete	Phpa	Phpa_ETI35037	Phpa_ETI35037_secreted
GH17	311	ETI35038	458	1.10E-19	21	308	44	282	0.922829582	Phytophthora_parasitica	Phytophthora	GH17_ETI35038	Oomycete	Phpa	Phpa_ETI35038	Phpa_ETI35038_secreted
GH17	311	ETI35039	426	1.70E-18	2	303	50	303	0.967845659	Phytophthora_parasitica	Phytophthora	GH17_ETI35039	Oomycete	Phpa	Phpa_ETI35039	Phpa_ETI35039
GH10	303	ETI35110	386	5.60E-94	3	296	33	334	0.9669967	Phytophthora_parasitica	Phytophthora	GH10_ETI35110	Oomycete	Phpa	Phpa_ETI35110	Phpa_ETI35110_secreted
GT8	257	ETI35150	422	1.80E-28	23	254	156	387	0.898832685	Phytophthora_parasitica	Phytophthora	GT8_ETI35150	Oomycete	Phpa	Phpa_ETI35150	Phpa_ETI35150
AA6	195	ETI35220	200	1.50E-83	1	195	3	197	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI35220	Oomycete	Phpa	Phpa_ETI35220	Phpa_ETI35220
AA6	195	ETI35221	200	1.50E-83	1	195	3	197	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI35221	Oomycete	Phpa	Phpa_ETI35221	Phpa_ETI35221
CBM13	188	ETI35381	194	0.00038	39	112	43	116	0.388297872	Phytophthora_parasitica	Phytophthora	CBM13_ETI35381	Oomycete	Phpa	Phpa_ETI35381	Phpa_ETI35381
GT71	264	ETI35433	493	7.80E-48	2	262	97	392	0.984848485	Phytophthora_parasitica	Phytophthora	GT71_ETI35433	Oomycete	Phpa	Phpa_ETI35433	Phpa_ETI35433
CE1	227	ETI35726	308	0.0000034	24	143	5	179	0.524229075	Phytophthora_parasitica	Phytophthora	CE1_ETI35726	Oomycete	Phpa	Phpa_ETI35726	Phpa_ETI35726
CE1	227	ETI35730	303	0.000000084	78	207	79	273	0.568281938	Phytophthora_parasitica	Phytophthora	CE1_ETI35730	Oomycete	Phpa	Phpa_ETI35730	Phpa_ETI35730
GT62	268	ETI35800	450	2.70E-39	7	266	166	406	0.96641791	Phytophthora_parasitica	Phytophthora	GT62_ETI35800	Oomycete	Phpa	Phpa_ETI35800	Phpa_ETI35800
GT62	268	ETI35814	394	6.20E-39	7	266	110	350	0.96641791	Phytophthora_parasitica	Phytophthora	GT62_ETI35814	Oomycete	Phpa	Phpa_ETI35814	Phpa_ETI35814
GT62	268	ETI35825	414	7.10E-39	7	266	130	370	0.96641791	Phytophthora_parasitica	Phytophthora	GT62_ETI35825	Oomycete	Phpa	Phpa_ETI35825	Phpa_ETI35825
AA2	255	ETI35845	690	6.90E-29	26	253	460	683	0.890196078	Phytophthora_parasitica	Phytophthora	AA2_ETI35845	Oomycete	Phpa	Phpa_ETI35845	Phpa_ETI35845_secreted
AA2	255	ETI35845	690	5.00E-23	13	124	76	189	0.435294118	Phytophthora_parasitica	Phytophthora	AA2_ETI35845	Oomycete	Phpa	Phpa_ETI35845	Phpa_ETI35845_secreted
GT24	248	ETI35856	1657	2.70E-122	1	248	1377	1622	0.995967742	Phytophthora_parasitica	Phytophthora	GT24_ETI35856	Oomycete	Phpa	Phpa_ETI35856	Phpa_ETI35856_secreted
GT24	248	ETI35857	1582	2.60E-122	1	248	1302	1547	0.995967742	Phytophthora_parasitica	Phytophthora	GT24_ETI35857	Oomycete	Phpa	Phpa_ETI35857	Phpa_ETI35857
GT24	248	ETI35858	1553	2.50E-122	1	248	1273	1518	0.995967742	Phytophthora_parasitica	Phytophthora	GT24_ETI35858	Oomycete	Phpa	Phpa_ETI35858	Phpa_ETI35858
AA8	815	ETI36058	643	1.80E-86	236	772	19	549	0.657668712	Phytophthora_parasitica	Phytophthora	AA8_ETI36058	Oomycete	Phpa	Phpa_ETI36058	Phpa_ETI36058_secreted
GT7	250	ETI36083	378	1.30E-55	20	249	52	319	0.916	Phytophthora_parasitica	Phytophthora	GT7_ETI36083	Oomycete	Phpa	Phpa_ETI36083	Phpa_ETI36083
GT7	250	ETI36084	356	3.60E-58	20	249	52	297	0.916	Phytophthora_parasitica	Phytophthora	GT7_ETI36084	Oomycete	Phpa	Phpa_ETI36084	Phpa_ETI36084
GT7	250	ETI36085	289	4.10E-48	20	180	52	243	0.64	Phytophthora_parasitica	Phytophthora	GT7_ETI36085	Oomycete	Phpa	Phpa_ETI36085	Phpa_ETI36085
GT7	250	ETI36086	267	1.20E-50	20	180	52	221	0.64	Phytophthora_parasitica	Phytophthora	GT7_ETI36086	Oomycete	Phpa	Phpa_ETI36086	Phpa_ETI36086
GT7	250	ETI36087	260	2.70E-52	20	188	52	229	0.672	Phytophthora_parasitica	Phytophthora	GT7_ETI36087	Oomycete	Phpa	Phpa_ETI36087	Phpa_ETI36087
CE10	341	ETI36135	422	8.90E-33	86	337	158	409	0.736070381	Phytophthora_parasitica	Phytophthora	CE10_ETI36135	Oomycete	Phpa	Phpa_ETI36135	Phpa_ETI36135
CE10	341	ETI36136	426	9.10E-30	84	335	159	412	0.736070381	Phytophthora_parasitica	Phytophthora	CE10_ETI36136	Oomycete	Phpa	Phpa_ETI36136	Phpa_ETI36136
CE1	227	ETI36372	497	0.000000016	12	193	191	448	0.797356828	Phytophthora_parasitica	Phytophthora	CE1_ETI36372	Oomycete	Phpa	Phpa_ETI36372	Phpa_ETI36372
CE1	227	ETI36373	470	2.80E-09	12	143	160	299	0.577092511	Phytophthora_parasitica	Phytophthora	CE1_ETI36373	Oomycete	Phpa	Phpa_ETI36373	Phpa_ETI36373
GH5	275	ETI36478	582	4.30E-32	3	239	175	527	0.858181818	Phytophthora_parasitica	Phytophthora	GH5_ETI36478	Oomycete	Phpa	Phpa_ETI36478	Phpa_ETI36478
GH5	275	ETI36479	582	1.80E-31	3	238	175	527	0.854545455	Phytophthora_parasitica	Phytophthora	GH5_ETI36479	Oomycete	Phpa	Phpa_ETI36479	Phpa_ETI36479
GH5	275	ETI36480	582	1.40E-33	3	240	169	523	0.861818182	Phytophthora_parasitica	Phytophthora	GH5_ETI36480	Oomycete	Phpa	Phpa_ETI36480	Phpa_ETI36480
GH5	275	ETI36481	577	2.10E-32	3	240	179	529	0.861818182	Phytophthora_parasitica	Phytophthora	GH5_ETI36481	Oomycete	Phpa	Phpa_ETI36481	Phpa_ETI36481
GH5	275	ETI36482	474	1.20E-32	3	240	76	426	0.861818182	Phytophthora_parasitica	Phytophthora	GH5_ETI36482	Oomycete	Phpa	Phpa_ETI36482	Phpa_ETI36482
GH5	275	ETI36483	412	7.20E-33	3	240	14	364	0.861818182	Phytophthora_parasitica	Phytophthora	GH5_ETI36483	Oomycete	Phpa	Phpa_ETI36483	Phpa_ETI36483
GH78	504	ETI36574	693	1.30E-76	7	503	61	634	0.984126984	Phytophthora_parasitica	Phytophthora	GH78_ETI36574	Oomycete	Phpa	Phpa_ETI36574	Phpa_ETI36574_secreted
GT4	160	ETI36589	572	0.00017	68	136	393	462	0.425	Phytophthora_parasitica	Phytophthora	GT4_ETI36589	Oomycete	Phpa	Phpa_ETI36589	Phpa_ETI36589
GT4	160	ETI36590	505	0.000012	75	138	363	426	0.39375	Phytophthora_parasitica	Phytophthora	GT4_ETI36590	Oomycete	Phpa	Phpa_ETI36590	Phpa_ETI36590_secreted
GT4	160	ETI36591	532	0.0000063	71	138	384	451	0.41875	Phytophthora_parasitica	Phytophthora	GT4_ETI36591	Oomycete	Phpa	Phpa_ETI36591	Phpa_ETI36591
GT4	160	ETI36592	552	0.000000035	79	136	414	471	0.35625	Phytophthora_parasitica	Phytophthora	GT4_ETI36592	Oomycete	Phpa	Phpa_ETI36592	Phpa_ETI36592
GT4	160	ETI36593	513	0.000000031	74	136	369	430	0.3875	Phytophthora_parasitica	Phytophthora	GT4_ETI36593	Oomycete	Phpa	Phpa_ETI36593	Phpa_ETI36593
GT4	160	ETI36603	572	0.000017	68	136	393	462	0.425	Phytophthora_parasitica	Phytophthora	GT4_ETI36603	Oomycete	Phpa	Phpa_ETI36603	Phpa_ETI36603
GT4	160	ETI36604	477	0.000011	75	138	335	398	0.39375	Phytophthora_parasitica	Phytophthora	GT4_ETI36604	Oomycete	Phpa	Phpa_ETI36604	Phpa_ETI36604
GH81	622	ETI36713	793	2.30E-177	17	621	116	787	0.971061093	Phytophthora_parasitica	Phytophthora	GH81_ETI36713	Oomycete	Phpa	Phpa_ETI36713	Phpa_ETI36713
GT57	481	ETI36764	574	1.80E-146	3	477	26	550	0.985446985	Phytophthora_parasitica	Phytophthora	GT57_ETI36764	Oomycete	Phpa	Phpa_ETI36764	Phpa_ETI36764
AA6	195	ETI36773	311	1.20E-16	4	140	117	236	0.697435897	Phytophthora_parasitica	Phytophthora	AA6_ETI36773	Oomycete	Phpa	Phpa_ETI36773	Phpa_ETI36773
CBM20	90	ETI36779	1043	1.60E-15	14	85	19	97	0.788888889	Phytophthora_parasitica	Phytophthora	CBM20_ETI36779	Oomycete	Phpa	Phpa_ETI36779	Phpa_ETI36779
CBM47	128	ETI36779	1043	9.80E-15	8	60	122	173	0.40625	Phytophthora_parasitica	Phytophthora	CBM47_ETI36779	Oomycete	Phpa	Phpa_ETI36779	Phpa_ETI36779
CBM20	90	ETI36780	1043	1.60E-15	14	85	19	97	0.788888889	Phytophthora_parasitica	Phytophthora	CBM20_ETI36780	Oomycete	Phpa	Phpa_ETI36780	Phpa_ETI36780
CBM47	128	ETI36780	1043	9.80E-15	8	60	122	173	0.40625	Phytophthora_parasitica	Phytophthora	CBM47_ETI36780	Oomycete	Phpa	Phpa_ETI36780	Phpa_ETI36780
CBM20	90	ETI36781	1043	1.60E-15	14	85	19	97	0.788888889	Phytophthora_parasitica	Phytophthora	CBM20_ETI36781	Oomycete	Phpa	Phpa_ETI36781	Phpa_ETI36781
CBM47	128	ETI36781	1043	9.80E-15	8	60	122	173	0.40625	Phytophthora_parasitica	Phytophthora	CBM47_ETI36781	Oomycete	Phpa	Phpa_ETI36781	Phpa_ETI36781
CBM20	90	ETI36782	1043	1.60E-15	14	85	19	97	0.788888889	Phytophthora_parasitica	Phytophthora	CBM20_ETI36782	Oomycete	Phpa	Phpa_ETI36782	Phpa_ETI36782
CBM47	128	ETI36782	1043	9.80E-15	8	60	122	173	0.40625	Phytophthora_parasitica	Phytophthora	CBM47_ETI36782	Oomycete	Phpa	Phpa_ETI36782	Phpa_ETI36782
CBM47	128	ETI36783	956	8.80E-15	8	60	35	86	0.40625	Phytophthora_parasitica	Phytophthora	CBM47_ETI36783	Oomycete	Phpa	Phpa_ETI36783	Phpa_ETI36783
GH12	156	ETI36967	458	7.60E-43	2	156	91	239	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI36967	Oomycete	Phpa	Phpa_ETI36967	Phpa_ETI36967_secreted
GH12	156	ETI36968	356	6.00E-43	3	155	53	199	0.974358974	Phytophthora_parasitica	Phytophthora	GH12_ETI36968	Oomycete	Phpa	Phpa_ETI36968	Phpa_ETI36968
CE12	210	ETI37004	244	3.00E-14	2	203	13	202	0.957142857	Phytophthora_parasitica	Phytophthora	CE12_ETI37004	Oomycete	Phpa	Phpa_ETI37004	Phpa_ETI37004
CE12	210	ETI37057	247	5.60E-14	2	205	13	205	0.966666667	Phytophthora_parasitica	Phytophthora	CE12_ETI37057	Oomycete			

GH12	156	ETI37084	105	5.70E-28	51	156	1	102	0.673076923	Phytophthora_parasitica	Phytophthora	GH12_ETI37084	Oomycete	Phpa	Phpa_ETI37084	Phpa_ETI37084
GH12	156	ETI37085	271	2.00E-41	3	156	121	268	0.980769231	Phytophthora_parasitica	Phytophthora	GH12_ETI37085	Oomycete	Phpa	Phpa_ETI37085	Phpa_ETI37085_secreted
GH12	156	ETI37086	259	3.10E-37	4	156	96	242	0.974358974	Phytophthora_parasitica	Phytophthora	GH12_ETI37086	Oomycete	Phpa	Phpa_ETI37086	Phpa_ETI37086_secreted
GH12	156	ETI37090	240	2.90E-43	2	156	91	239	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI37090	Oomycete	Phpa	Phpa_ETI37090	Phpa_ETI37090_secreted
GT2	168	ETI37091	1019	4.40E-09	2	107	344	529	0.625	Phytophthora_parasitica	Phytophthora	GT2_ETI37091	Oomycete	Phpa	Phpa_ETI37091	Phpa_ETI37091
GH12	156	ETI37095	240	1.60E-39	2	156	91	239	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI37095	Oomycete	Phpa	Phpa_ETI37095	Phpa_ETI37095_secreted
GH12	156	ETI37096	265	3.30E-42	2	156	114	262	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI37096	Oomycete	Phpa	Phpa_ETI37096	Phpa_ETI37096
GH12	156	ETI37097	242	2.20E-41	2	156	91	239	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI37097	Oomycete	Phpa	Phpa_ETI37097	Phpa_ETI37097_secreted
GH5	275	ETI37115	403	4.40E-35	27	244	93	384	0.789090909	Phytophthora_parasitica	Phytophthora	GH5_ETI37115	Oomycete	Phpa	Phpa_ETI37115	Phpa_ETI37115
GH5	275	ETI37118	454	9.80E-39	26	240	122	409	0.778181818	Phytophthora_parasitica	Phytophthora	GH5_ETI37118	Oomycete	Phpa	Phpa_ETI37118	Phpa_ETI37118_secreted
GH5	275	ETI37119	460	1.70E-43	28	238	152	435	0.763636364	Phytophthora_parasitica	Phytophthora	GH5_ETI37119	Oomycete	Phpa	Phpa_ETI37119	Phpa_ETI37119
GH3	216	ETI37132	854	1.70E-59	5	203	189	397	0.916666667	Phytophthora_parasitica	Phytophthora	GH3_ETI37132	Oomycete	Phpa	Phpa_ETI37132	Phpa_ETI37132
GH3	216	ETI37133	776	3.30E-62	5	215	111	332	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI37133	Oomycete	Phpa	Phpa_ETI37133	Phpa_ETI37133_secreted
GH63	570	ETI37210	892	1.80E-24	317	567	598	890	0.438596491	Phytophthora_parasitica	Phytophthora	GH63_ETI37210	Oomycete	Phpa	Phpa_ETI37210	Phpa_ETI37210
GH1	429	ETI37303	487	2.00E-169	2	428	4	474	0.993006993	Phytophthora_parasitica	Phytophthora	GH1_ETI37303	Oomycete	Phpa	Phpa_ETI37303	Phpa_ETI37303
GT71	264	ETI37309	459	9.70E-44	2	264	108	340	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI37309	Oomycete	Phpa	Phpa_ETI37309	Phpa_ETI37309
GT71	264	ETI37310	628	5.00E-51	2	264	223	455	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI37310	Oomycete	Phpa	Phpa_ETI37310	Phpa_ETI37310
GT71	264	ETI37311	541	7.60E-48	2	264	183	415	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI37311	Oomycete	Phpa	Phpa_ETI37311	Phpa_ETI37311
GT71	264	ETI37312	520	1.50E-38	63	264	219	394	0.761363636	Phytophthora_parasitica	Phytophthora	GT71_ETI37312	Oomycete	Phpa	Phpa_ETI37312	Phpa_ETI37312
GT71	264	ETI37313	566	2.90E-47	2	264	222	454	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI37313	Oomycete	Phpa	Phpa_ETI37313	Phpa_ETI37313
GT71	264	ETI37314	612	2.10E-52	2	264	219	453	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI37314	Oomycete	Phpa	Phpa_ETI37314	Phpa_ETI37314
GT8	257	ETI37326	297	1.70E-30	21	255	29	263	0.910505837	Phytophthora_parasitica	Phytophthora	GT8_ETI37326	Oomycete	Phpa	Phpa_ETI37326	Phpa_ETI37326
GT8	257	ETI37332	299	9.10E-29	21	252	73	297	0.898832685	Phytophthora_parasitica	Phytophthora	GT8_ETI37332	Oomycete	Phpa	Phpa_ETI37332	Phpa_ETI37332
AA7	458	ETI37426	522	6.20E-89	9	458	80	516	0.980349345	Phytophthora_parasitica	Phytophthora	AA7_ETI37426	Oomycete	Phpa	Phpa_ETI37426	Phpa_ETI37426_secreted
GH109	126	ETI37466	346	0.000000023	69	115	61	107	0.365079365	Phytophthora_parasitica	Phytophthora	GH109_ETI37466	Oomycete	Phpa	Phpa_ETI37466	Phpa_ETI37466
GH30	417	ETI37575	525	2.80E-45	7	414	19	512	0.976019185	Phytophthora_parasitica	Phytophthora	GH30_ETI37575	Oomycete	Phpa	Phpa_ETI37575	Phpa_ETI37575_secreted
GH30	417	ETI37636	498	1.90E-58	14	415	27	493	0.961630695	Phytophthora_parasitica	Phytophthora	GH30_ETI37636	Oomycete	Phpa	Phpa_ETI37636	Phpa_ETI37636_secreted
GH30	417	ETI37637	496	3.70E-60	10	416	24	491	0.973621103	Phytophthora_parasitica	Phytophthora	GH30_ETI37637	Oomycete	Phpa	Phpa_ETI37637	Phpa_ETI37637_secreted
GT48	739	ETI37691	2647	3.30E-262	3	717	1663	2343	0.966170501	Phytophthora_parasitica	Phytophthora	GT48_ETI37691	Oomycete	Phpa	Phpa_ETI37691	Phpa_ETI37691
CE3	194	ETI37698	264	4.70E-09	54	189	86	232	0.695876289	Phytophthora_parasitica	Phytophthora	CE3_ETI37698	Oomycete	Phpa	Phpa_ETI37698	Phpa_ETI37698_secreted
CE3	194	ETI37699	257	0.00000008	54	180	86	223	0.649484536	Phytophthora_parasitica	Phytophthora	CE3_ETI37699	Oomycete	Phpa	Phpa_ETI37699	Phpa_ETI37699_secreted
CE3	194	ETI37700	230	3.20E-09	54	189	52	198	0.695876289	Phytophthora_parasitica	Phytophthora	CE3_ETI37700	Oomycete	Phpa	Phpa_ETI37700	Phpa_ETI37700
PL1	202	ETI37977	449	1.30E-36	20	201	121	318	0.896039604	Phytophthora_parasitica	Phytophthora	PL1_ETI37977	Oomycete	Phpa	Phpa_ETI37977	Phpa_ETI37977_secreted
GH43	248	ETI37978	322	1.70E-42	11	247	33	320	0.951612903	Phytophthora_parasitica	Phytophthora	GH43_ETI37978	Oomycete	Phpa	Phpa_ETI37978	Phpa_ETI37978_secreted
GH43	248	ETI37979	322	1.90E-44	12	247	34	320	0.947580645	Phytophthora_parasitica	Phytophthora	GH43_ETI37979	Oomycete	Phpa	Phpa_ETI37979	Phpa_ETI37979_secreted
PL1	202	ETI37980	398	3.50E-40	20	201	121	316	0.896039604	Phytophthora_parasitica	Phytophthora	PL1_ETI37980	Oomycete	Phpa	Phpa_ETI37980	Phpa_ETI37980_secreted
PL1	202	ETI37981	400	8.50E-38	20	201	121	318	0.896039604	Phytophthora_parasitica	Phytophthora	PL1_ETI37981	Oomycete	Phpa	Phpa_ETI37981	Phpa_ETI37981_secreted
GH43	248	ETI37983	322	8.80E-46	1	247	21	320	0.991935484	Phytophthora_parasitica	Phytophthora	GH43_ETI37983	Oomycete	Phpa	Phpa_ETI37983	Phpa_ETI37983_secreted
GH43	248	ETI37984	321	1.30E-43	12	247	33	319	0.947580645	Phytophthora_parasitica	Phytophthora	GH43_ETI37984	Oomycete	Phpa	Phpa_ETI37984	Phpa_ETI37984_secreted
GT45	115	ETI37992	426	0.00002	32	98	198	266	0.573913044	Phytophthora_parasitica	Phytophthora	GT45_ETI37992	Oomycete	Phpa	Phpa_ETI37992	Phpa_ETI37992
PL1	202	ETI38004	502	1.10E-39	21	201	122	317	0.891089109	Phytophthora_parasitica	Phytophthora	PL1_ETI38004	Oomycete	Phpa	Phpa_ETI38004	Phpa_ETI38004_secreted
PL1	202	ETI38006	251	1.00E-23	21	127	122	243	0.524752475	Phytophthora_parasitica	Phytophthora	PL1_ETI38006	Oomycete	Phpa	Phpa_ETI38006	Phpa_ETI38006_secreted
PL1	202	ETI38011	483	4.90E-37	19	201	120	317	0.900990099	Phytophthora_parasitica	Phytophthora	PL1_ETI38011	Oomycete	Phpa	Phpa_ETI38011	Phpa_ETI38011_secreted
PL1	202	ETI38012	448	1.00E-37	20	201	121	317	0.896039604	Phytophthora_parasitica	Phytophthora	PL1_ETI38012	Oomycete	Phpa	Phpa_ETI38012	Phpa_ETI38012_secreted
PL1	202	ETI38052	461	2.60E-37	17	200	117	315	0.905940594	Phytophthora_parasitica	Phytophthora	PL1_ETI38052	Oomycete	Phpa	Phpa_ETI38052	Phpa_ETI38052_secreted
GT48	739	ETI38155	2246	5.60E-274	2	721	853	1600	0.972936401	Phytophthora_parasitica	Phytophthora	GT48_ETI38155	Oomycete	Phpa	Phpa_ETI38155	Phpa_ETI38155
GH17	311	ETI38185	366	1.60E-24	11	306	47	305	0.948553055	Phytophthora_parasitica	Phytophthora	GH17_ETI38185	Oomycete	Phpa	Phpa_ETI38185	Phpa_ETI38185_secreted
GH17	311	ETI38192	384	1.40E-24	9	306	44	306	0.954983923	Phytophthora_parasitica	Phytophthora	GH17_ETI38192	Oomycete	Phpa	Phpa_ETI38192	Phpa_ETI38192_secreted
GH1	429	ETI38324	536	7.70E-123	2	425	48	519	0.986013986	Phytophthora_parasitica	Phytophthora	GH1_ETI38324	Oomycete	Phpa	Phpa_ETI38324	Phpa_ETI38324_secreted
GT41	705	ETI38362	733	0.00000001	43	278	178	590	0.333333333	Phytophthora_parasitica	Phytophthora	GT41_ETI38362	Oomycete	Phpa	Phpa_ETI38362	Phpa_ETI38362
GH17	311	ETI38458	381	1.70E-18	44	306	111	333	0.84244373	Phytophthora_parasitica	Phytophthora	GH17_ETI38458	Oomycete	Phpa	Phpa_ETI38458	Phpa_ETI38458_secreted
PL3	197	ETI38485	328	2.20E-36	2	195	108	301	0.979695432	Phytophthora_parasitica	Phytophthora	PL3_ETI38485	Oomycete	Phpa	Phpa_ETI38485	Phpa_ETI38485_secreted
PL3	197	ETI38486	296	1.60E-36	2	195	76	269	0.979695432	Phytophthora_parasitica	Phytophthora	PL3_ETI38486	Oomycete	Phpa	Phpa_ETI38486	Phpa_ETI38486_secreted
CBM32	124	ETI38525	145	4.10E-10	10	108	22	124	0.790322581	Phytophthora_parasitica	Phytophthora	CBM32_ETI38525	Oomycete	Phpa	Phpa_ETI38525	Phpa_ETI38525
CE2	209	ETI38701	495	3.00E-56	1	209	240	457	0.995215311	Phytophthora_parasitica	Phytophthora	CE2_ETI38701	Oomycete	Phpa	Phpa_ETI38701	Phpa_ETI38701
CE10	341	ETI38832	577	9.90E-27	66	183	109	237	0.343108504	Phytophthora_parasitica	Phytophthora	CE10_ETI38832	Oomycete	Phpa	Phpa_ETI38832	Phpa_ETI38832_secreted
CE10	341	ETI38833	348	4.90E-27	65	180	108	234	0.337243402	Phytophthora_parasitica	Phytophthora	CE10_ETI38833	Oomycete	Phpa	Phpa_ETI38833	Phpa_ETI38833_secreted
GH72	312	ETI38870	216	1.20E-13	187	284	9	134	0.310897436	Phytophthora_parasitica	Phytophthora	GH72_ETI38870	Oomycete	Phpa	Phpa_ETI38870	Phpa_ETI38870
GH81	622	ETI38871	415	4.60E-115	253	621	3	392	0.591639871	Phytophthora_parasitica	Phytophthora	GH81_ETI38871	Oomycete	Phpa	Phpa_ETI38871	Phpa_ETI38871
GH3	216	ETI39150	778	2.90E-54	4	201	112	315	0.912037037	Phytophthora_parasitica	Phytophthora	GH3_ETI39150	Oomycete	Phpa	Phpa_ETI39150	Phpa_ETI39150_secreted
AA7	458	ETI39155	507	1.30E-55	5	454	57	497	0.980349345	Phytophthora_parasitica	Phytophthora	AA7_ETI39155	Oomycete	Phpa	Phpa_ETI39155	Phpa_ETI39155_secreted
AA7	458	ETI39156	458	1.20E-49	5	216	66	285	0.46069869	Phytophthora_parasitica	Phytophthora	AA7_ETI39156	Oomycete	Phpa	Phpa_ETI39156	Phpa_ETI39156_secreted
GH3	216	ETI39159	706	3.80E-56	6	216	42	263	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI39159	Oomycete	Phpa	Phpa_ETI39159	Phpa_ETI39159
GH3	216	ETI39160	556	4.10E-61	5	215	97	318	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI39160	Oomycete	Phpa	Phpa_ETI39160	Phpa_ETI39160
GH3	216	ETI39169	547	2.70E-55	4	201	115	322	0.912037037	Phytophthora_parasitica	Phytophthora	GH3_ETI39169	Oomycete	Phpa	Phpa_ETI39169	Phpa_ETI39169_secreted
AA3	618	ETI39193	587	1.60E-116	70	408	14	574	0.546925566	Phytophthora_parasitica	Phytophthora	AA3_ETI39193	Oomycete	Phpa	Phpa_ETI39193	Phpa_ETI39193
AA3	618	ETI39195	590	1.70E-106	84	400	30	569	0.511326861	Phytophthora_parasitica	Phytophthora	AA3_ETI39195	Oomycete	Phpa	Phpa_ETI39195	Phpa_ETI39195
AA3	618	ETI39196	585	2.80E-107	75	400	16	564	0.525889968	Phytophthora_parasitica	Phytophthora	AA3_ETI39196	Oomycete	Phpa	Phpa_ETI39196	Phpa_ETI39196
GT32	90	ETI39214														

GH28	325	ETI39356	391	7.20E-62	6	307	76	379	0.926153846	Phytophthora_parasitica	Phytophthora	GH28_ETI39356	Oomycete	Phpa	Phpa_ETI39356	Phpa_ETI39356_secreted
GH28	325	ETI39357	471	3.60E-59	6	308	56	359	0.929230769	Phytophthora_parasitica	Phytophthora	GH28_ETI39357	Oomycete	Phpa	Phpa_ETI39357	Phpa_ETI39357_secreted
GH28	325	ETI39358	403	2.80E-62	6	307	88	391	0.926153846	Phytophthora_parasitica	Phytophthora	GH28_ETI39358	Oomycete	Phpa	Phpa_ETI39358	Phpa_ETI39358_secreted
GH28	325	ETI39359	361	2.40E-64	7	317	48	361	0.953846154	Phytophthora_parasitica	Phytophthora	GH28_ETI39359	Oomycete	Phpa	Phpa_ETI39359	Phpa_ETI39359_secreted
GH28	325	ETI39360	360	8.50E-65	6	317	46	360	0.956923077	Phytophthora_parasitica	Phytophthora	GH28_ETI39360	Oomycete	Phpa	Phpa_ETI39360	Phpa_ETI39360_secreted
GH28	325	ETI39362	363	3.40E-62	5	317	48	363	0.96	Phytophthora_parasitica	Phytophthora	GH28_ETI39362	Oomycete	Phpa	Phpa_ETI39362	Phpa_ETI39362_secreted
GH28	325	ETI39363	358	1.80E-62	5	317	43	358	0.96	Phytophthora_parasitica	Phytophthora	GH28_ETI39363	Oomycete	Phpa	Phpa_ETI39363	Phpa_ETI39363_secreted
GH28	325	ETI39365	361	2.30E-68	5	317	45	361	0.96	Phytophthora_parasitica	Phytophthora	GH28_ETI39365	Oomycete	Phpa	Phpa_ETI39365	Phpa_ETI39365_secreted
GH28	325	ETI39370	362	5.60E-64	5	317	46	362	0.96	Phytophthora_parasitica	Phytophthora	GH28_ETI39370	Oomycete	Phpa	Phpa_ETI39370	Phpa_ETI39370_secreted
GH28	325	ETI39373	444	6.20E-66	6	317	129	444	0.956923077	Phytophthora_parasitica	Phytophthora	GH28_ETI39373	Oomycete	Phpa	Phpa_ETI39373	Phpa_ETI39373_secreted
GH28	325	ETI39393	391	3.90E-64	5	316	75	390	0.956923077	Phytophthora_parasitica	Phytophthora	GH28_ETI39393	Oomycete	Phpa	Phpa_ETI39393	Phpa_ETI39393_secreted
GH28	325	ETI39394	391	3.20E-57	5	317	75	391	0.96	Phytophthora_parasitica	Phytophthora	GH28_ETI39394	Oomycete	Phpa	Phpa_ETI39394	Phpa_ETI39394_secreted
GH30	417	ETI39572	511	2.60E-51	27	415	41	505	0.930455636	Phytophthora_parasitica	Phytophthora	GH30_ETI39572	Oomycete	Phpa	Phpa_ETI39572	Phpa_ETI39572_secreted
CBM13	188	ETI39748	1855	1.30E-16	11	136	1242	1373	0.664893617	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	1.50E-16	9	148	1075	1220	0.739361702	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	3.50E-16	9	150	746	893	0.75	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	2.00E-14	7	136	258	393	0.686170213	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	2.00E-14	10	145	912	1053	0.718085106	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	3.10E-14	10	146	582	724	0.723404255	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	8.80E-14	10	145	101	242	0.718085106	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	1.00E-13	7	135	1401	1532	0.680851064	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM13	188	ETI39748	1855	1.20E-11	9	138	420	555	0.686170213	Phytophthora_parasitica	Phytophthora	CBM13_ETI39748	Oomycete	Phpa	Phpa_ETI39748	Phpa_ETI39748
CBM63	78	ETI39919	260	0.000000027	3	74	137	207	0.91025641	Phytophthora_parasitica	Phytophthora	CBM63_ETI39919	Oomycete	Phpa	Phpa_ETI39919	Phpa_ETI39919_secreted
CBM63	78	ETI39944	260	0.000000027	3	74	137	207	0.91025641	Phytophthora_parasitica	Phytophthora	CBM63_ETI39944	Oomycete	Phpa	Phpa_ETI39944	Phpa_ETI39944_secreted
GH3	216	ETI40118	786	3.70E-60	5	203	115	323	0.916666667	Phytophthora_parasitica	Phytophthora	GH3_ETI40118	Oomycete	Phpa	Phpa_ETI40118	Phpa_ETI40118_secreted
GH3	216	ETI40120	811	2.50E-62	5	201	110	316	0.907407407	Phytophthora_parasitica	Phytophthora	GH3_ETI40120	Oomycete	Phpa	Phpa_ETI40120	Phpa_ETI40120_secreted
GH3	216	ETI40121	790	1.10E-64	5	207	125	337	0.935185185	Phytophthora_parasitica	Phytophthora	GH3_ETI40121	Oomycete	Phpa	Phpa_ETI40121	Phpa_ETI40121_secreted
GT4	160	ETI40213	478	8.20E-18	7	128	250	386	0.75625	Phytophthora_parasitica	Phytophthora	GT4_ETI40213	Oomycete	Phpa	Phpa_ETI40213	Phpa_ETI40213
GT4	160	ETI40214	434	6.20E-18	7	129	250	387	0.7625	Phytophthora_parasitica	Phytophthora	GT4_ETI40214	Oomycete	Phpa	Phpa_ETI40214	Phpa_ETI40214_secreted
GH3	216	ETI40239	774	2.90E-61	5	215	112	333	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI40239	Oomycete	Phpa	Phpa_ETI40239	Phpa_ETI40239_secreted
CE12	210	ETI40263	280	2.80E-11	2	161	38	216	0.757142857	Phytophthora_parasitica	Phytophthora	CE12_ETI40263	Oomycete	Phpa	Phpa_ETI40263	Phpa_ETI40263_secreted
CBM40	179	ETI40307	335	0.000000015	89	175	194	279	0.480446927	Phytophthora_parasitica	Phytophthora	CBM40_ETI40307	Oomycete	Phpa	Phpa_ETI40307	Phpa_ETI40307
GH3	216	ETI40348	828	4.80E-59	4	214	89	336	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI40348	Oomycete	Phpa	Phpa_ETI40348	Phpa_ETI40348_secreted
GH3	216	ETI40358	814	7.10E-59	4	214	72	321	0.972222222	Phytophthora_parasitica	Phytophthora	GH3_ETI40358	Oomycete	Phpa	Phpa_ETI40358	Phpa_ETI40358_secreted
GH72	312	ETI40541	627	1.60E-74	7	309	30	378	0.967948718	Phytophthora_parasitica	Phytophthora	GH72_ETI40541	Oomycete	Phpa	Phpa_ETI40541	Phpa_ETI40541
GH72	312	ETI40542	583	1.30E-74	7	309	30	378	0.967948718	Phytophthora_parasitica	Phytophthora	GH72_ETI40542	Oomycete	Phpa	Phpa_ETI40542	Phpa_ETI40542
GH72	312	ETI40543	530	2.00E-55	84	309	1	281	0.721153846	Phytophthora_parasitica	Phytophthora	GH72_ETI40543	Oomycete	Phpa	Phpa_ETI40543	Phpa_ETI40543
GH72	312	ETI40544	486	1.60E-55	84	309	1	281	0.721153846	Phytophthora_parasitica	Phytophthora	GH72_ETI40544	Oomycete	Phpa	Phpa_ETI40544	Phpa_ETI40544
GH3	216	ETI40564	851	2.20E-60	5	205	147	357	0.925925926	Phytophthora_parasitica	Phytophthora	GH3_ETI40564	Oomycete	Phpa	Phpa_ETI40564	Phpa_ETI40564_secreted
GT48	739	ETI40597	2040	3.80E-283	3	709	1128	1852	0.955345061	Phytophthora_parasitica	Phytophthora	GT48_ETI40597	Oomycete	Phpa	Phpa_ETI40597	Phpa_ETI40597
GT48	739	ETI40637	1425	5.30E-128	3	318	1114	1424	0.426251692	Phytophthora_parasitica	Phytophthora	GT48_ETI40637	Oomycete	Phpa	Phpa_ETI40637	Phpa_ETI40637
GH28	325	ETI40677	405	4.80E-56	7	277	124	398	0.830769231	Phytophthora_parasitica	Phytophthora	GH28_ETI40677	Oomycete	Phpa	Phpa_ETI40677	Phpa_ETI40677_secreted
CE8	288	ETI40704	345	3.10E-80	3	273	38	320	0.9375	Phytophthora_parasitica	Phytophthora	CE8_ETI40704	Oomycete	Phpa	Phpa_ETI40704	Phpa_ETI40704_secreted
CE1	227	ETI40707	455	0.00000024	15	174	162	365	0.700440529	Phytophthora_parasitica	Phytophthora	CE1_ETI40707	Oomycete	Phpa	Phpa_ETI40707	Phpa_ETI40707
GH18	296	ETI40740	383	3.40E-19	29	158	125	293	0.435810811	Phytophthora_parasitica	Phytophthora	GH18_ETI40740	Oomycete	Phpa	Phpa_ETI40740	Phpa_ETI40740
GT31	192	ETI40751	577	1.10E-34	2	191	224	426	0.984375	Phytophthora_parasitica	Phytophthora	GT31_ETI40751	Oomycete	Phpa	Phpa_ETI40751	Phpa_ETI40751_secreted
GT10	347	ETI40758	927	4.60E-34	156	305	731	890	0.429394813	Phytophthora_parasitica	Phytophthora	GT10_ETI40758	Oomycete	Phpa	Phpa_ETI40758	Phpa_ETI40758_secreted
GT31	192	ETI40758	927	1.20E-29	3	191	223	411	0.979166667	Phytophthora_parasitica	Phytophthora	GT31_ETI40758	Oomycete	Phpa	Phpa_ETI40758	Phpa_ETI40758_secreted
GT31	192	ETI40759	460	4.50E-41	3	191	203	405	0.979166667	Phytophthora_parasitica	Phytophthora	GT31_ETI40759	Oomycete	Phpa	Phpa_ETI40759	Phpa_ETI40759_secreted
GT31	192	ETI40760	888	4.00E-25	2	188	116	293	0.96875	Phytophthora_parasitica	Phytophthora	GT31_ETI40760	Oomycete	Phpa	Phpa_ETI40760	Phpa_ETI40760
GT1	382	ETI40910	1514	1.50E-49	88	376	205	524	0.753926702	Phytophthora_parasitica	Phytophthora	GT1_ETI40910	Oomycete	Phpa	Phpa_ETI40910	Phpa_ETI40910
GT1	382	ETI40910	1514	1.40E-11	94	376	996	1333	0.738219895	Phytophthora_parasitica	Phytophthora	GT1_ETI40910	Oomycete	Phpa	Phpa_ETI40910	Phpa_ETI40910
GT1	382	ETI40911	1505	9.90E-53	92	375	241	555	0.740837696	Phytophthora_parasitica	Phytophthora	GT1_ETI40911	Oomycete	Phpa	Phpa_ETI40911	Phpa_ETI40911
GT1	382	ETI40911	1505	1.60E-16	196	375	1086	1308	0.468586387	Phytophthora_parasitica	Phytophthora	GT1_ETI40911	Oomycete	Phpa	Phpa_ETI40911	Phpa_ETI40911
GT1	382	ETI40924	1492	2.30E-51	92	377	211	527	0.746073298	Phytophthora_parasitica	Phytophthora	GT1_ETI40924	Oomycete	Phpa	Phpa_ETI40924	Phpa_ETI40924
GT1	382	ETI40924	1492	1.70E-12	94	376	972	1309	0.738219895	Phytophthora_parasitica	Phytophthora	GT1_ETI40924	Oomycete	Phpa	Phpa_ETI40924	Phpa_ETI40924
GT1	382	ETI40925	478	2.00E-12	198	375	104	317	0.463350785	Phytophthora_parasitica	Phytophthora	GT1_ETI40925	Oomycete	Phpa	Phpa_ETI40925	Phpa_ETI40925
GT1	382	ETI40926	825	4.00E-46	3	374	111	510	0.971204189	Phytophthora_parasitica	Phytophthora	GT1_ETI40926	Oomycete	Phpa	Phpa_ETI40926	Phpa_ETI40926
GH47	446	ETI40930	752	8.30E-133	1	444	46	547	0.993273543	Phytophthora_parasitica	Phytophthora	GH47_ETI40930	Oomycete	Phpa	Phpa_ETI40930	Phpa_ETI40930_secreted
CBM20	90	ETI40942	1246	0.0002	2	68	21	101	0.733333333	Phytophthora_parasitica	Phytophthora	CBM20_ETI40942	Oomycete	Phpa	Phpa_ETI40942	Phpa_ETI40942
GT20	475	ETI40942	1246	1.10E-128	5	475	264	765	0.989473684	Phytophthora_parasitica	Phytophthora	GT20_ETI40942	Oomycete	Phpa	Phpa_ETI40942	Phpa_ETI40942
CBM20	90	ETI40943	1246	0.0002	2	68	21	101	0.733333333	Phytophthora_parasitica	Phytophthora	CBM20_ETI40943	Oomycete	Phpa	Phpa_ETI40943	Phpa_ETI40943
GT20	475	ETI40943	1246	1.10E-128	5	475	264	765	0.989473684	Phytophthora_parasitica	Phytophthora	GT20_ETI40943	Oomycete	Phpa	Phpa_ETI40943	Phpa_ETI40943
GT31	192	ETI40958	352	0.00000016	54	140	164	237	0.447916667	Phytophthora_parasitica	Phytophthora	GT31_ETI40958	Oomycete	Phpa	Phpa_ETI40958	Phpa_ETI40958
GT1	382	ETI40965	552	2.70E-53	92	377	207	524	0.746073298	Phytophthora_parasitica	Phytophthora	GT1_ETI40965	Oomycete	Phpa	Phpa_ETI40965	Phpa_ETI40965
GH31	427	ETI40970	805	1.60E-60	5	422	300	777	0.976580796	Phytophthora_parasitica	Phytophthora	GH31_ETI40970	Oomycete	Phpa	Phpa_ETI40970	Phpa_ETI40970_secreted
CE10	341	ETI41010	548	3.70E-25	69	180	111	233	0.325513197	Phytophthora_parasitica	Phytophthora	CE10_ETI41010	Oomycete	Phpa	Phpa_ETI41010	Phpa_ETI41010_secreted
CE10	341	ETI41011	524	8.90E-22	48	183	68	214	0.395894428	Phytophthora_parasitica	Phytophthora	CE10_ETI4101				

GH6	294	ETI41166	440	2.90E-55	17	290	44	293	0.928571429	Phytophthora_parasitica	Phytophthora	GH6_ETI41166	Oomycete	Phpa	Phpa_ETI41166	Phpa_ETI41166_secreted
GH5	275	ETI41234	492	1.10E-30	7	238	35	347	0.84	Phytophthora_parasitica	Phytophthora	GH5_ETI41234	Oomycete	Phpa	Phpa_ETI41234	Phpa_ETI41234_secreted
GH1	429	ETI41358	383	1.30E-128	4	323	24	382	0.743589744	Phytophthora_parasitica	Phytophthora	GH1_ETI41358	Oomycete	Phpa	Phpa_ETI41358	Phpa_ETI41358
GH30	417	ETI41407	539	2.10E-110	13	416	85	530	0.966426859	Phytophthora_parasitica	Phytophthora	GH30_ETI41407	Oomycete	Phpa	Phpa_ETI41407	Phpa_ETI41407_secreted
GT71	264	ETI41495	631	6.70E-48	2	264	282	511	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI41495	Oomycete	Phpa	Phpa_ETI41495	Phpa_ETI41495_secreted
GT71	264	ETI41513	622	1.30E-49	2	264	279	508	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI41513	Oomycete	Phpa	Phpa_ETI41513	Phpa_ETI41513
GT71	264	ETI41514	603	4.70E-53	2	264	257	485	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI41514	Oomycete	Phpa	Phpa_ETI41514	Phpa_ETI41514
GH5	275	ETI41601	536	3.40E-39	4	240	34	348	0.858181818	Phytophthora_parasitica	Phytophthora	GH5_ETI41601	Oomycete	Phpa	Phpa_ETI41601	Phpa_ETI41601
GH123	538	ETI41610	828	2.80E-61	102	510	271	778	0.758364312	Phytophthora_parasitica	Phytophthora	GH123_ETI41610	Oomycete	Phpa	Phpa_ETI41610	Phpa_ETI41610
CE11	271	ETI41622	315	1.00E-78	1	270	5	302	0.992619926	Phytophthora_parasitica	Phytophthora	CE11_ETI41622	Oomycete	Phpa	Phpa_ETI41622	Phpa_ETI41622
GH123	538	ETI41628	828	2.80E-61	102	510	271	778	0.758364312	Phytophthora_parasitica	Phytophthora	GH123_ETI41628	Oomycete	Phpa	Phpa_ETI41628	Phpa_ETI41628
AA9	220	ETI41727	277	0.000001	2	197	16	208	0.886363636	Phytophthora_parasitica	Phytophthora	AA9_ETI41727	Oomycete	Phpa	Phpa_ETI41727	Phpa_ETI41727_secreted
AA10	178	ETI41728	319	0.0000018	74	177	90	192	0.578651685	Phytophthora_parasitica	Phytophthora	AA10_ETI41728	Oomycete	Phpa	Phpa_ETI41728	Phpa_ETI41728_secreted
CE1	227	ETI41750	333	0.0000011	30	143	35	185	0.497797357	Phytophthora_parasitica	Phytophthora	CE1_ETI41750	Oomycete	Phpa	Phpa_ETI41750	Phpa_ETI41750
AA6	195	ETI41827	225	3.40E-69	1	195	28	222	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI41827	Oomycete	Phpa	Phpa_ETI41827	Phpa_ETI41827
AA6	195	ETI41868	200	1.60E-76	2	195	4	197	0.98974359	Phytophthora_parasitica	Phytophthora	AA6_ETI41868	Oomycete	Phpa	Phpa_ETI41868	Phpa_ETI41868
AA6	195	ETI41869	200	1.60E-76	2	195	4	197	0.98974359	Phytophthora_parasitica	Phytophthora	AA6_ETI41869	Oomycete	Phpa	Phpa_ETI41869	Phpa_ETI41869
GH16	189	ETI41908	477	5.80E-13	122	189	177	310	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI41908	Oomycete	Phpa	Phpa_ETI41908	Phpa_ETI41908
GH3	216	ETI41971	772	5.70E-69	3	215	64	314	0.981481482	Phytophthora_parasitica	Phytophthora	GH3_ETI41971	Oomycete	Phpa	Phpa_ETI41971	Phpa_ETI41971_secreted
GH30	417	ETI42155	539	1.60E-115	11	416	85	530	0.971223022	Phytophthora_parasitica	Phytophthora	GH30_ETI42155	Oomycete	Phpa	Phpa_ETI42155	Phpa_ETI42155_secreted
GT48	739	ETI42219	2286	9.10E-259	2	661	860	1552	0.891745602	Phytophthora_parasitica	Phytophthora	GT48_ETI42219	Oomycete	Phpa	Phpa_ETI42219	Phpa_ETI42219
CBM51	134	ETI42220	5009	1.30E-15	9	134	709	861	0.932835821	Phytophthora_parasitica	Phytophthora	CBM51_ETI42220	Oomycete	Phpa	Phpa_ETI42220	Phpa_ETI42220
GT48	739	ETI42331	2447	2.80E-247	2	661	861	1558	0.891745602	Phytophthora_parasitica	Phytophthora	GT48_ETI42331	Oomycete	Phpa	Phpa_ETI42331	Phpa_ETI42331
CE10	341	ETI42570	780	0.000000033	45	278	479	711	0.683284458	Phytophthora_parasitica	Phytophthora	CE10_ETI42570	Oomycete	Phpa	Phpa_ETI42570	Phpa_ETI42570
GT41	705	ETI42693	780	9.20E-53	308	520	519	769	0.30070922	Phytophthora_parasitica	Phytophthora	GT41_ETI42693	Oomycete	Phpa	Phpa_ETI42693	Phpa_ETI42693_secreted
AA7	458	ETI42744	509	7.00E-49	5	225	59	287	0.480349345	Phytophthora_parasitica	Phytophthora	AA7_ETI42744	Oomycete	Phpa	Phpa_ETI42744	Phpa_ETI42744_secreted
GH3	216	ETI42746	785	6.00E-58	5	203	113	321	0.916666667	Phytophthora_parasitica	Phytophthora	GH3_ETI42746	Oomycete	Phpa	Phpa_ETI42746	Phpa_ETI42746_secreted
GH28	325	ETI42757	512	1.20E-62	5	311	197	506	0.941538462	Phytophthora_parasitica	Phytophthora	GH28_ETI42757	Oomycete	Phpa	Phpa_ETI42757	Phpa_ETI42757_secreted
GT31	192	ETI42906	343	5.80E-14	59	189	100	252	0.677083333	Phytophthora_parasitica	Phytophthora	GT31_ETI42906	Oomycete	Phpa	Phpa_ETI42906	Phpa_ETI42906_secreted
PL1	202	ETI42977	443	1.00E-37	21	201	122	317	0.891089109	Phytophthora_parasitica	Phytophthora	PL1_ETI42977	Oomycete	Phpa	Phpa_ETI42977	Phpa_ETI42977_secreted
GH31	427	ETI42990	871	1.70E-153	2	427	247	739	0.995316159	Phytophthora_parasitica	Phytophthora	GH31_ETI42990	Oomycete	Phpa	Phpa_ETI42990	Phpa_ETI42990_secreted
CE1	227	ETI43035	333	0.000000066	23	143	36	176	0.528634361	Phytophthora_parasitica	Phytophthora	CE1_ETI43035	Oomycete	Phpa	Phpa_ETI43035	Phpa_ETI43035
CE1	227	ETI43049	326	0.0000011	9	143	16	219	0.59030837	Phytophthora_parasitica	Phytophthora	CE1_ETI43049	Oomycete	Phpa	Phpa_ETI43049	Phpa_ETI43049
GT20	475	ETI43140	1063	3.10E-192	9	474	182	660	0.978947368	Phytophthora_parasitica	Phytophthora	GT20_ETI43140	Oomycete	Phpa	Phpa_ETI43140	Phpa_ETI43140
GH3	216	ETI43163	689	1.30E-58	4	215	112	334	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI43163	Oomycete	Phpa	Phpa_ETI43163	Phpa_ETI43163_secreted
PL1	202	ETI43251	401	9.00E-41	22	201	123	315	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI43251	Oomycete	Phpa	Phpa_ETI43251	Phpa_ETI43251_secreted
PL1	202	ETI43254	431	3.50E-43	22	201	156	348	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI43254	Oomycete	Phpa	Phpa_ETI43254	Phpa_ETI43254_secreted
CE4	130	ETI43299	321	5.90E-18	9	106	83	178	0.746153846	Phytophthora_parasitica	Phytophthora	CE4_ETI43299	Oomycete	Phpa	Phpa_ETI43299	Phpa_ETI43299
GT2	168	ETI43312	1026	6.30E-12	2	108	347	534	0.630952381	Phytophthora_parasitica	Phytophthora	GT2_ETI43312	Oomycete	Phpa	Phpa_ETI43312	Phpa_ETI43312
GT2	168	ETI43312	1026	0.000000033	105	168	645	708	0.375	Phytophthora_parasitica	Phytophthora	GT2_ETI43312	Oomycete	Phpa	Phpa_ETI43312	Phpa_ETI43312
GT2	168	ETI43313	1016	2.90E-11	2	108	338	525	0.630952381	Phytophthora_parasitica	Phytophthora	GT2_ETI43313	Oomycete	Phpa	Phpa_ETI43313	Phpa_ETI43313
GT2	168	ETI43313	1016	0.000000093	105	168	637	700	0.375	Phytophthora_parasitica	Phytophthora	GT2_ETI43313	Oomycete	Phpa	Phpa_ETI43313	Phpa_ETI43313
PL1	202	ETI43323	1064	1.50E-44	17	201	121	319	0.910891089	Phytophthora_parasitica	Phytophthora	PL1_ETI43323	Oomycete	Phpa	Phpa_ETI43323	Phpa_ETI43323_secreted
PL1	202	ETI43323	1064	5.10E-41	20	200	658	852	0.891089109	Phytophthora_parasitica	Phytophthora	PL1_ETI43323	Oomycete	Phpa	Phpa_ETI43323	Phpa_ETI43323_secreted
PL1	202	ETI43326	971	1.50E-45	21	200	617	809	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI43326	Oomycete	Phpa	Phpa_ETI43326	Phpa_ETI43326_secreted
PL1	202	ETI43326	971	5.50E-44	21	200	128	321	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI43326	Oomycete	Phpa	Phpa_ETI43326	Phpa_ETI43326_secreted
GH81	622	ETI43526	755	1.50E-158	8	622	37	746	0.987138264	Phytophthora_parasitica	Phytophthora	GH81_ETI43526	Oomycete	Phpa	Phpa_ETI43526	Phpa_ETI43526
GT28	157	ETI43653	168	4.20E-10	64	117	69	122	0.337579618	Phytophthora_parasitica	Phytophthora	GT28_ETI43653	Oomycete	Phpa	Phpa_ETI43653	Phpa_ETI43653
GT90	250	ETI43833	753	2.70E-30	2	242	252	597	0.96	Phytophthora_parasitica	Phytophthora	GT90_ETI43833	Oomycete	Phpa	Phpa_ETI43833	Phpa_ETI43833
CBM37	62	ETI43894	63	0.00085	21	56	9	43	0.564516129	Phytophthora_parasitica	Phytophthora	CBM37_ETI43894	Oomycete	Phpa	Phpa_ETI43894	Phpa_ETI43894
GH3	216	ETI43941	770	1.00E-58	8	216	117	336	0.962962963	Phytophthora_parasitica	Phytophthora	GH3_ETI43941	Oomycete	Phpa	Phpa_ETI43941	Phpa_ETI43941_secreted
GT22	389	ETI44012	174	5.80E-52	4	147	14	161	0.367609255	Phytophthora_parasitica	Phytophthora	GT22_ETI44012	Oomycete	Phpa	Phpa_ETI44012	Phpa_ETI44012
GT22	389	ETI44013	308	5.30E-50	186	389	5	203	0.5218509	Phytophthora_parasitica	Phytophthora	GT22_ETI44013	Oomycete	Phpa	Phpa_ETI44013	Phpa_ETI44013
GT59	404	ETI44141	520	1.10E-120	2	404	42	475	0.995049505	Phytophthora_parasitica	Phytophthora	GT59_ETI44141	Oomycete	Phpa	Phpa_ETI44141	Phpa_ETI44141
GT59	404	ETI44142	492	8.60E-125	2	404	42	447	0.995049505	Phytophthora_parasitica	Phytophthora	GT59_ETI44142	Oomycete	Phpa	Phpa_ETI44142	Phpa_ETI44142
GT59	404	ETI44143	443	7.40E-106	2	362	42	436	0.891089109	Phytophthora_parasitica	Phytophthora	GT59_ETI44143	Oomycete	Phpa	Phpa_ETI44143	Phpa_ETI44143
GT59	404	ETI44144	415	5.50E-110	2	362	42	408	0.891089109	Phytophthora_parasitica	Phytophthora	GT59_ETI44144	Oomycete	Phpa	Phpa_ETI44144	Phpa_ETI44144
GT59	404	ETI44145	356	5.40E-72	140	404	18	311	0.653465347	Phytophthora_parasitica	Phytophthora	GT59_ETI44145	Oomycete	Phpa	Phpa_ETI44145	Phpa_ETI44145
GH5	275	ETI44174	525	1.70E-34	24	239	220	507	0.781818182	Phytophthora_parasitica	Phytophthora	GH5_ETI44174	Oomycete	Phpa	Phpa_ETI44174	Phpa_ETI44174
GT60	330	ETI44277	484	7.50E-61	2	330	64	378	0.993939394	Phytophthora_parasitica	Phytophthora	GT60_ETI44277	Oomycete	Phpa	Phpa_ETI44277	Phpa_ETI44277
GT60	330	ETI44295	524	3.20E-56	2	329	66	377	0.990909091	Phytophthora_parasitica	Phytophthora	GT60_ETI44295	Oomycete	Phpa	Phpa_ETI44295	Phpa_ETI44295
GT60	330	ETI44296	545	2.20E-59	2	330	71	384	0.993939394	Phytophthora_parasitica	Phytophthora	GT60_ETI44296	Oomycete	Phpa	Phpa_ETI44296	Phpa_ETI44296
GH16	189	ETI44304	788	0.0000001	122	189	466	599	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44304	Oomycete	Phpa	Phpa_ETI44304	Phpa_ETI44304
GH16	189	ETI44304	788	0.000000071	4	91	97	254	0.46031746	Phytophthora_parasitica	Phytophthora	GH16_ETI44304	Oomycete	Phpa	Phpa_ETI44304	Phpa_ETI44304
CBM63	78	ETI44408	283	0.00000015	4	71	142	208	0.858974359	Phytophthora_parasitica	Phytophthora	CBM63_ETI44408	Oomycete	Phpa	Phpa_ETI44408	Phpa_ETI44408_secreted
CBM63	78	ETI44409	376	0.0000027	4	73	137	205	0.884615385	Phytophthora_parasitica	Phytophthora	CBM63_ETI44409	Oomycete	Phpa	Phpa_ETI44409	Phpa_ETI44409_secreted
CBM63	78	ETI44410	384	0.0000092	4	72	143	209	0.871794872	Phytophthora_parasitica	Phytophthora	CBM63_ETI44410	Oomycete	Phpa	Phpa_ETI44410	Phpa_ETI44410_secreted
CBM63	78	ETI44412	223	0.000000071	4	72	141	208	0.871794872	Phytophthora_parasitica	Phytophthora	CBM63_ETI44412	Oomycete	Phpa	Phpa_ETI44412	Phpa_ETI44412_secreted
CBM63	78	ETI44414	519</													

CBM63	78	ETI44418	324	0.000000017	2	74	140	213	0.923076923	Phytophthora_parasitica	Phytophthora	CBM63_ETI44418	Oomycete	Phpa	Phpa_ETI44418	Phpa_ETI44418_secreted
GH16	189	ETI44483	758	2.60E-10	61	189	356	573	0.677248677	Phytophthora_parasitica	Phytophthora	GH16_ETI44483	Oomycete	Phpa	Phpa_ETI44483	Phpa_ETI44483
GH16	189	ETI44483	758	0.000000082	4	91	69	226	0.46031746	Phytophthora_parasitica	Phytophthora	GH16_ETI44483	Oomycete	Phpa	Phpa_ETI44483	Phpa_ETI44483
GH16	189	ETI44484	751	3.00E-10	122	189	436	565	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44484	Oomycete	Phpa	Phpa_ETI44484	Phpa_ETI44484
GH16	189	ETI44484	751	0.0000011	4	97	62	227	0.492063492	Phytophthora_parasitica	Phytophthora	GH16_ETI44484	Oomycete	Phpa	Phpa_ETI44484	Phpa_ETI44484
GH16	189	ETI44485	731	3.50E-09	122	189	421	563	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44485	Oomycete	Phpa	Phpa_ETI44485	Phpa_ETI44485
GH16	189	ETI44485	731	0.0000011	4	91	59	216	0.46031746	Phytophthora_parasitica	Phytophthora	GH16_ETI44485	Oomycete	Phpa	Phpa_ETI44485	Phpa_ETI44485
GH16	189	ETI44498	752	0.000000023	4	100	64	233	0.507936508	Phytophthora_parasitica	Phytophthora	GH16_ETI44498	Oomycete	Phpa	Phpa_ETI44498	Phpa_ETI44498
GH16	189	ETI44498	752	0.000000076	122	189	441	567	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44498	Oomycete	Phpa	Phpa_ETI44498	Phpa_ETI44498
GH16	189	ETI44499	776	2.60E-09	122	189	437	568	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44499	Oomycete	Phpa	Phpa_ETI44499	Phpa_ETI44499
GH16	189	ETI44500	720	8.20E-09	122	189	408	551	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44500	Oomycete	Phpa	Phpa_ETI44500	Phpa_ETI44500
GH16	189	ETI44500	720	0.0000002	4	92	48	207	0.465608466	Phytophthora_parasitica	Phytophthora	GH16_ETI44500	Oomycete	Phpa	Phpa_ETI44500	Phpa_ETI44500
GH16	189	ETI44502	863	0.000000018	122	189	544	667	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44502	Oomycete	Phpa	Phpa_ETI44502	Phpa_ETI44502
GH16	189	ETI44502	863	0.00000051	3	92	163	323	0.470899471	Phytophthora_parasitica	Phytophthora	GH16_ETI44502	Oomycete	Phpa	Phpa_ETI44502	Phpa_ETI44502
GH16	189	ETI44504	749	0.000000012	122	189	434	570	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44504	Oomycete	Phpa	Phpa_ETI44504	Phpa_ETI44504
GH16	189	ETI44504	749	0.000000081	3	98	67	235	0.502645503	Phytophthora_parasitica	Phytophthora	GH16_ETI44504	Oomycete	Phpa	Phpa_ETI44504	Phpa_ETI44504
GH16	189	ETI44512	762	7.60E-09	122	189	447	570	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44512	Oomycete	Phpa	Phpa_ETI44512	Phpa_ETI44512
GH16	189	ETI44512	762	7.70E-09	12	144	84	300	0.698412698	Phytophthora_parasitica	Phytophthora	GH16_ETI44512	Oomycete	Phpa	Phpa_ETI44512	Phpa_ETI44512
GH16	189	ETI44521	816	2.40E-11	122	189	487	645	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44521	Oomycete	Phpa	Phpa_ETI44521	Phpa_ETI44521
GH16	189	ETI44522	743	2.20E-11	122	189	401	556	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI44522	Oomycete	Phpa	Phpa_ETI44522	Phpa_ETI44522
GH16	189	ETI44522	743	0.000000039	4	116	61	277	0.592592593	Phytophthora_parasitica	Phytophthora	GH16_ETI44522	Oomycete	Phpa	Phpa_ETI44522	Phpa_ETI44522
CBM43	83	ETI44779	750	2.60E-15	1	74	603	672	0.879518072	Phytophthora_parasitica	Phytophthora	CBM43_ETI44779	Oomycete	Phpa	Phpa_ETI44779	Phpa_ETI44779
GH5	275	ETI44779	750	9.40E-33	28	219	194	468	0.694545455	Phytophthora_parasitica	Phytophthora	GH5_ETI44779	Oomycete	Phpa	Phpa_ETI44779	Phpa_ETI44779
CBM43	83	ETI44780	691	8.60E-17	1	75	559	631	0.891566265	Phytophthora_parasitica	Phytophthora	CBM43_ETI44780	Oomycete	Phpa	Phpa_ETI44780	Phpa_ETI44780
GH5	275	ETI44780	691	7.70E-33	27	219	144	421	0.698181818	Phytophthora_parasitica	Phytophthora	GH5_ETI44780	Oomycete	Phpa	Phpa_ETI44780	Phpa_ETI44780
GH7	415	ETI44786	464	6.30E-180	1	414	26	464	0.995180723	Phytophthora_parasitica	Phytophthora	GH7_ETI44786	Oomycete	Phpa	Phpa_ETI44786	Phpa_ETI44786_secreted
GT22	389	ETI44967	574	1.80E-63	2	360	7	434	0.920308483	Phytophthora_parasitica	Phytophthora	GT22_ETI44967	Oomycete	Phpa	Phpa_ETI44967	Phpa_ETI44967
GT22	389	ETI44968	494	1.00E-48	73	361	6	355	0.740359897	Phytophthora_parasitica	Phytophthora	GT22_ETI44968	Oomycete	Phpa	Phpa_ETI44968	Phpa_ETI44968
GT71	264	ETI45020	1194	1.10E-45	2	257	114	379	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI45020	Oomycete	Phpa	Phpa_ETI45020	Phpa_ETI45020
CE1	227	ETI45238	421	0.000000031	25	143	77	235	0.519823789	Phytophthora_parasitica	Phytophthora	CE1_ETI45238	Oomycete	Phpa	Phpa_ETI45238	Phpa_ETI45238_secreted
GH72	312	ETI45298	504	2.10E-80	4	282	22	327	0.891025641	Phytophthora_parasitica	Phytophthora	GH72_ETI45298	Oomycete	Phpa	Phpa_ETI45298	Phpa_ETI45298_secreted
GH72	312	ETI45299	505	1.20E-77	3	284	20	328	0.900641026	Phytophthora_parasitica	Phytophthora	GH72_ETI45299	Oomycete	Phpa	Phpa_ETI45299	Phpa_ETI45299_secreted
GH72	312	ETI45300	493	5.20E-82	3	284	20	329	0.900641026	Phytophthora_parasitica	Phytophthora	GH72_ETI45300	Oomycete	Phpa	Phpa_ETI45300	Phpa_ETI45300_secreted
CE1	227	ETI45404	438	0.00000042	14	142	81	227	0.563876652	Phytophthora_parasitica	Phytophthora	CE1_ETI45404	Oomycete	Phpa	Phpa_ETI45404	Phpa_ETI45404_secreted
GH5	275	ETI45429	373	1.30E-37	12	240	55	353	0.829090909	Phytophthora_parasitica	Phytophthora	GH5_ETI45429	Oomycete	Phpa	Phpa_ETI45429	Phpa_ETI45429
CE4	130	ETI45521	340	7.70E-12	24	124	114	214	0.769230769	Phytophthora_parasitica	Phytophthora	CE4_ETI45521	Oomycete	Phpa	Phpa_ETI45521	Phpa_ETI45521_secreted
GT50	262	ETI45631	419	2.30E-92	1	261	127	392	0.992366412	Phytophthora_parasitica	Phytophthora	GT50_ETI45631	Oomycete	Phpa	Phpa_ETI45631	Phpa_ETI45631
GT50	262	ETI45632	328	1.30E-63	1	187	127	318	0.709923664	Phytophthora_parasitica	Phytophthora	GT50_ETI45632	Oomycete	Phpa	Phpa_ETI45632	Phpa_ETI45632
GH31	427	ETI45830	865	1.70E-150	3	427	250	741	0.992974239	Phytophthora_parasitica	Phytophthora	GH31_ETI45830	Oomycete	Phpa	Phpa_ETI45830	Phpa_ETI45830_secreted
CBM25	78	ETI45849	937	6.10E-12	13	75	208	275	0.794871795	Phytophthora_parasitica	Phytophthora	CBM25_ETI45849	Oomycete	Phpa	Phpa_ETI45849	Phpa_ETI45849
GH31	427	ETI45849	937	2.50E-116	3	335	526	924	0.777517564	Phytophthora_parasitica	Phytophthora	GH31_ETI45849	Oomycete	Phpa	Phpa_ETI45849	Phpa_ETI45849
GH1	429	ETI45898	601	1.90E-136	3	427	54	538	0.988344988	Phytophthora_parasitica	Phytophthora	GH1_ETI45898	Oomycete	Phpa	Phpa_ETI45898	Phpa_ETI45898
GH2	752	ETI45921	945	3.50E-82	35	576	27	822	0.719414894	Phytophthora_parasitica	Phytophthora	GH2_ETI45921	Oomycete	Phpa	Phpa_ETI45921	Phpa_ETI45921_secreted
GH2	752	ETI45922	937	4.20E-85	35	576	27	814	0.719414894	Phytophthora_parasitica	Phytophthora	GH2_ETI45922	Oomycete	Phpa	Phpa_ETI45922	Phpa_ETI45922_secreted
GH1	429	ETI45997	587	2.20E-133	3	425	29	498	0.983682984	Phytophthora_parasitica	Phytophthora	GH1_ETI45997	Oomycete	Phpa	Phpa_ETI45997	Phpa_ETI45997_secreted
GH1	429	ETI45998	589	2.50E-139	4	426	24	513	0.983682984	Phytophthora_parasitica	Phytophthora	GH1_ETI45998	Oomycete	Phpa	Phpa_ETI45998	Phpa_ETI45998
GH1	429	ETI46039	337	2.70E-54	210	426	9	275	0.503496504	Phytophthora_parasitica	Phytophthora	GH1_ETI46039	Oomycete	Phpa	Phpa_ETI46039	Phpa_ETI46039
GH1	429	ETI46040	566	2.80E-137	4	427	25	507	0.986013986	Phytophthora_parasitica	Phytophthora	GH1_ETI46040	Oomycete	Phpa	Phpa_ETI46040	Phpa_ETI46040
GH1	429	ETI46042	573	2.50E-127	3	425	27	511	0.983682984	Phytophthora_parasitica	Phytophthora	GH1_ETI46042	Oomycete	Phpa	Phpa_ETI46042	Phpa_ETI46042
GH1	429	ETI46043	582	1.70E-143	3	426	28	510	0.986013986	Phytophthora_parasitica	Phytophthora	GH1_ETI46043	Oomycete	Phpa	Phpa_ETI46043	Phpa_ETI46043
GH1	429	ETI46044	579	6.20E-139	3	426	25	507	0.986013986	Phytophthora_parasitica	Phytophthora	GH1_ETI46044	Oomycete	Phpa	Phpa_ETI46044	Phpa_ETI46044
GH1	429	ETI46051	337	6.90E-54	210	426	9	275	0.503496504	Phytophthora_parasitica	Phytophthora	GH1_ETI46051	Oomycete	Phpa	Phpa_ETI46051	Phpa_ETI46051
GT71	264	ETI46128	530	1.80E-44	2	249	141	424	0.935606061	Phytophthora_parasitica	Phytophthora	GT71_ETI46128	Oomycete	Phpa	Phpa_ETI46128	Phpa_ETI46128
GT71	264	ETI46129	1990	2.80E-42	2	250	181	463	0.939393939	Phytophthora_parasitica	Phytophthora	GT71_ETI46129	Oomycete	Phpa	Phpa_ETI46129	Phpa_ETI46129
GT71	264	ETI46129	1990	7.10E-42	2	260	1607	1902	0.977272727	Phytophthora_parasitica	Phytophthora	GT71_ETI46129	Oomycete	Phpa	Phpa_ETI46129	Phpa_ETI46129
GT71	264	ETI46129	1990	3.40E-40	2	262	668	973	0.984848485	Phytophthora_parasitica	Phytophthora	GT71_ETI46129	Oomycete	Phpa	Phpa_ETI46129	Phpa_ETI46129
GT71	264	ETI46129	1990	3.40E-39	2	247	1147	1427	0.928030303	Phytophthora_parasitica	Phytophthora	GT71_ETI46129	Oomycete	Phpa	Phpa_ETI46129	Phpa_ETI46129
GT71	264	ETI46279	510	1.20E-44	2	264	173	404	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI46279	Oomycete	Phpa	Phpa_ETI46279	Phpa_ETI46279
GT76	407	ETI46295	430	8.50E-108	2	407	6	430	0.995085995	Phytophthora_parasitica	Phytophthora	GT76_ETI46295	Oomycete	Phpa	Phpa_ETI46295	Phpa_ETI46295
GT76	407	ETI46296	255	1.30E-54	194	407	21	255	0.523341523	Phytophthora_parasitica	Phytophthora	GT76_ETI46296	Oomycete	Phpa	Phpa_ETI46296	Phpa_ETI46296
CE10	341	ETI46370	585	1.20E-43	68	309	218	522	0.706744868	Phytophthora_parasitica	Phytophthora	CE10_ETI46370	Oomycete	Phpa	Phpa_ETI46370	Phpa_ETI46370
GH5	275	ETI46658	561	8.60E-39	24	241	255	544	0.789090909	Phytophthora_parasitica	Phytophthora	GH5_ETI46658	Oomycete	Phpa	Phpa_ETI46658	Phpa_ETI46658
GH12	156	ETI46674	259	4.40E-37	2	156	110	258	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI46674	Oomycete	Phpa	Phpa_ETI46674	Phpa_ETI46674
GH12	156	ETI46676	89	0.000000027	52	116	17	81	0.41025641	Phytophthora_parasitica	Phytophthora	GH12_ETI46676	Oomycete	Phpa	Phpa_ETI46676	Phpa_ETI46676
GT66	693	ETI46810	727	4.20E-149	11	601	7	677	0.851370851	Phytophthora_parasitica	Phytophthora	GT66_ETI46810	Oomycete	Phpa	Phpa_ETI46810	Phpa_ETI46810
GT66	693	ETI46811	648	3.90E-128	87	601	13	598	0.741702742	Phytophthora_parasitica	Phytophthora	GT66_ETI46811	Oomycete	Phpa	Phpa_ETI46811	Phpa_ETI46811
CBM43	83	ETI46816	680	6.00E-16	2	75	551	622	0.879518072	Phytophthora_parasitica	Phytophthora	CBM43_ETI46816	Oomycete	Phpa	Phpa_ETI46816	Phpa_ETI46816
GH5	275	ETI46816	680	1.40E-36	27	219	135	412	0.698181818	Phytophthora_parasitica	Phytophthora	GH5_ETI46816	Oomycete	Phpa	Phpa_ETI46816	Phpa_ETI46816
PL3	19															

GT62	268	ETI46954	385	2.10E-41	16	266	108	342	0.932835821	Phytophthora_parasitica	Phytophthora	GT62_ETI46954	Oomycete	Phpa	Phpa_ETI46954	Phpa_ETI46954
GT71	264	ETI46962	489	1.80E-47	2	257	105	370	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI46962	Oomycete	Phpa	Phpa_ETI46962	Phpa_ETI46962
GT71	264	ETI47001	505	5.50E-37	2	262	80	377	0.984848485	Phytophthora_parasitica	Phytophthora	GT71_ETI47001	Oomycete	Phpa	Phpa_ETI47001	Phpa_ETI47001
GT41	705	ETI47175	462	7.20E-09	15	251	110	327	0.334751773	Phytophthora_parasitica	Phytophthora	GT41_ETI47175	Oomycete	Phpa	Phpa_ETI47175	Phpa_ETI47175
GT2	168	ETI47182	913	7.60E-09	2	165	234	465	0.970238095	Phytophthora_parasitica	Phytophthora	GT2_ETI47182	Oomycete	Phpa	Phpa_ETI47182	Phpa_ETI47182
GH47	446	ETI47227	536	7.90E-119	1	445	89	533	0.995515695	Phytophthora_parasitica	Phytophthora	GH47_ETI47227	Oomycete	Phpa	Phpa_ETI47227	Phpa_ETI47227
GH47	446	ETI47228	491	1.20E-95	1	390	89	475	0.872197309	Phytophthora_parasitica	Phytophthora	GH47_ETI47228	Oomycete	Phpa	Phpa_ETI47228	Phpa_ETI47228
GH47	446	ETI47229	402	3.10E-72	1	311	89	393	0.695067265	Phytophthora_parasitica	Phytophthora	GH47_ETI47229	Oomycete	Phpa	Phpa_ETI47229	Phpa_ETI47229
GH89	663	ETI47342	782	1.40E-215	2	661	80	760	0.993966818	Phytophthora_parasitica	Phytophthora	GH89_ETI47342	Oomycete	Phpa	Phpa_ETI47342	Phpa_ETI47342_secreted
CBM47	128	ETI47351	1454	7.00E-19	4	127	1122	1261	0.9609375	Phytophthora_parasitica	Phytophthora	CBM47_ETI47351	Oomycete	Phpa	Phpa_ETI47351	Phpa_ETI47351
CBM47	128	ETI47352	1345	6.30E-19	4	127	1013	1152	0.9609375	Phytophthora_parasitica	Phytophthora	CBM47_ETI47352	Oomycete	Phpa	Phpa_ETI47352	Phpa_ETI47352
CBM47	128	ETI47353	1223	1.10E-16	4	61	1122	1177	0.4453125	Phytophthora_parasitica	Phytophthora	CBM47_ETI47353	Oomycete	Phpa	Phpa_ETI47353	Phpa_ETI47353
GH38	269	ETI47384	1025	1.50E-72	1	268	45	346	0.992565056	Phytophthora_parasitica	Phytophthora	GH38_ETI47384	Oomycete	Phpa	Phpa_ETI47384	Phpa_ETI47384_secreted
GH89	663	ETI47473	772	6.40E-221	2	661	76	752	0.993966818	Phytophthora_parasitica	Phytophthora	GH89_ETI47473	Oomycete	Phpa	Phpa_ETI47473	Phpa_ETI47473_secreted
GH89	663	ETI47474	684	2.60E-217	15	661	1	664	0.974358974	Phytophthora_parasitica	Phytophthora	GH89_ETI47474	Oomycete	Phpa	Phpa_ETI47474	Phpa_ETI47474
CBM73	54	ETI47499	355	0.00086	13	53	237	271	0.740740741	Phytophthora_parasitica	Phytophthora	CBM73_ETI47499	Oomycete	Phpa	Phpa_ETI47499	Phpa_ETI47499
CBM73	54	ETI47500	315	0.00073	13	53	197	231	0.740740741	Phytophthora_parasitica	Phytophthora	CBM73_ETI47500	Oomycete	Phpa	Phpa_ETI47500	Phpa_ETI47500
CBM73	54	ETI47501	280	0.00061	13	53	162	196	0.740740741	Phytophthora_parasitica	Phytophthora	CBM73_ETI47501	Oomycete	Phpa	Phpa_ETI47501	Phpa_ETI47501
CE1	227	ETI47570	423	0.00000038	8	198	35	290	0.837004405	Phytophthora_parasitica	Phytophthora	CE1_ETI47570	Oomycete	Phpa	Phpa_ETI47570	Phpa_ETI47570
PL6	372	ETI47607	2533	0.0000002	8	155	1680	1831	0.39516129	Phytophthora_parasitica	Phytophthora	PL6_ETI47607	Oomycete	Phpa	Phpa_ETI47607	Phpa_ETI47607
GH17	311	ETI47772	292	1.00E-23	11	310	35	281	0.961414791	Phytophthora_parasitica	Phytophthora	GH17_ETI47772	Oomycete	Phpa	Phpa_ETI47772	Phpa_ETI47772_secreted
GH17	311	ETI47843	394	1.10E-23	12	306	43	296	0.945337621	Phytophthora_parasitica	Phytophthora	GH17_ETI47843	Oomycete	Phpa	Phpa_ETI47843	Phpa_ETI47843_secreted
GT4	160	ETI47978	461	1.10E-40	11	148	265	414	0.85625	Phytophthora_parasitica	Phytophthora	GT4_ETI47978	Oomycete	Phpa	Phpa_ETI47978	Phpa_ETI47978
GT4	160	ETI47979	461	1.10E-40	11	148	265	414	0.85625	Phytophthora_parasitica	Phytophthora	GT4_ETI47979	Oomycete	Phpa	Phpa_ETI47979	Phpa_ETI47979
CE10	341	ETI47983	297	2.80E-37	81	308	29	255	0.66568915	Phytophthora_parasitica	Phytophthora	CE10_ETI47983	Oomycete	Phpa	Phpa_ETI47983	Phpa_ETI47983
CE10	341	ETI47984	251	6.50E-37	81	240	29	198	0.46627566	Phytophthora_parasitica	Phytophthora	CE10_ETI47984	Oomycete	Phpa	Phpa_ETI47984	Phpa_ETI47984
CE1	227	ETI48139	322	0.000000008	12	143	39	187	0.577092511	Phytophthora_parasitica	Phytophthora	CE1_ETI48139	Oomycete	Phpa	Phpa_ETI48139	Phpa_ETI48139
CE1	227	ETI48140	347	4.30E-11	17	193	38	294	0.775330397	Phytophthora_parasitica	Phytophthora	CE1_ETI48140	Oomycete	Phpa	Phpa_ETI48140	Phpa_ETI48140
CE1	227	ETI48141	303	1.10E-12	23	147	40	241	0.546255507	Phytophthora_parasitica	Phytophthora	CE1_ETI48141	Oomycete	Phpa	Phpa_ETI48141	Phpa_ETI48141
CBM9	182	ETI48292	486	5.10E-28	2	132	38	204	0.714285714	Phytophthora_parasitica	Phytophthora	CBM9_ETI48292	Oomycete	Phpa	Phpa_ETI48292	Phpa_ETI48292
CBM9	182	ETI48293	486	5.10E-28	2	132	38	204	0.714285714	Phytophthora_parasitica	Phytophthora	CBM9_ETI48293	Oomycete	Phpa	Phpa_ETI48293	Phpa_ETI48293
CBM9	182	ETI48294	486	5.10E-28	2	132	38	204	0.714285714	Phytophthora_parasitica	Phytophthora	CBM9_ETI48294	Oomycete	Phpa	Phpa_ETI48294	Phpa_ETI48294
CBM9	182	ETI48295	482	5.60E-27	3	132	35	200	0.708791209	Phytophthora_parasitica	Phytophthora	CBM9_ETI48295	Oomycete	Phpa	Phpa_ETI48295	Phpa_ETI48295
CBM9	182	ETI48296	482	5.60E-27	3	132	35	200	0.708791209	Phytophthora_parasitica	Phytophthora	CBM9_ETI48296	Oomycete	Phpa	Phpa_ETI48296	Phpa_ETI48296
CBM9	182	ETI48297	482	5.60E-27	3	132	35	200	0.708791209	Phytophthora_parasitica	Phytophthora	CBM9_ETI48297	Oomycete	Phpa	Phpa_ETI48297	Phpa_ETI48297
GH81	622	ETI48382	734	6.50E-171	13	621	58	719	0.977491961	Phytophthora_parasitica	Phytophthora	GH81_ETI48382	Oomycete	Phpa	Phpa_ETI48382	Phpa_ETI48382
GH31	427	ETI48391	794	2.10E-57	6	422	290	766	0.974238876	Phytophthora_parasitica	Phytophthora	GH31_ETI48391	Oomycete	Phpa	Phpa_ETI48391	Phpa_ETI48391_secreted
GH31	427	ETI48392	794	2.10E-57	6	422	290	766	0.974238876	Phytophthora_parasitica	Phytophthora	GH31_ETI48392	Oomycete	Phpa	Phpa_ETI48392	Phpa_ETI48392_secreted
GH31	427	ETI48393	794	2.10E-57	6	422	290	766	0.974238876	Phytophthora_parasitica	Phytophthora	GH31_ETI48393	Oomycete	Phpa	Phpa_ETI48393	Phpa_ETI48393_secreted
GH31	427	ETI48394	313	6.70E-39	171	422	2	285	0.587822014	Phytophthora_parasitica	Phytophthora	GH31_ETI48394	Oomycete	Phpa	Phpa_ETI48394	Phpa_ETI48394
GH31	427	ETI48406	726	1.60E-57	6	422	222	698	0.974238876	Phytophthora_parasitica	Phytophthora	GH31_ETI48406	Oomycete	Phpa	Phpa_ETI48406	Phpa_ETI48406
GT4	160	ETI48516	459	2.60E-31	6	147	212	352	0.88125	Phytophthora_parasitica	Phytophthora	GT4_ETI48516	Oomycete	Phpa	Phpa_ETI48516	Phpa_ETI48516
CE13	355	ETI48584	453	2.90E-24	29	253	80	318	0.630985916	Phytophthora_parasitica	Phytophthora	CE13_ETI48584	Oomycete	Phpa	Phpa_ETI48584	Phpa_ETI48584_secreted
GH32	293	ETI48611	620	2.60E-63	1	282	47	376	0.959044369	Phytophthora_parasitica	Phytophthora	GH32_ETI48611	Oomycete	Phpa	Phpa_ETI48611	Phpa_ETI48611_secreted
GH32	293	ETI48620	471	3.00E-61	1	282	46	375	0.959044369	Phytophthora_parasitica	Phytophthora	GH32_ETI48620	Oomycete	Phpa	Phpa_ETI48620	Phpa_ETI48620_secreted
GH32	293	ETI48622	188	3.70E-36	1	119	51	182	0.402730375	Phytophthora_parasitica	Phytophthora	GH32_ETI48622	Oomycete	Phpa	Phpa_ETI48622	Phpa_ETI48622
GH32	293	ETI48624	259	2.90E-48	1	174	46	247	0.590443686	Phytophthora_parasitica	Phytophthora	GH32_ETI48624	Oomycete	Phpa	Phpa_ETI48624	Phpa_ETI48624_secreted
GH32	293	ETI48626	630	5.10E-61	1	282	39	369	0.959044369	Phytophthora_parasitica	Phytophthora	GH32_ETI48626	Oomycete	Phpa	Phpa_ETI48626	Phpa_ETI48626_secreted
CE10	341	ETI48650	439	1.30E-36	86	338	169	423	0.739002933	Phytophthora_parasitica	Phytophthora	CE10_ETI48650	Oomycete	Phpa	Phpa_ETI48650	Phpa_ETI48650
CE10	341	ETI48651	440	6.00E-31	129	336	220	420	0.607038123	Phytophthora_parasitica	Phytophthora	CE10_ETI48651	Oomycete	Phpa	Phpa_ETI48651	Phpa_ETI48651
CE10	341	ETI48655	416	2.80E-31	89	317	161	391	0.668621701	Phytophthora_parasitica	Phytophthora	CE10_ETI48655	Oomycete	Phpa	Phpa_ETI48655	Phpa_ETI48655
CE10	341	ETI48665	395	2.70E-32	84	316	136	371	0.680351906	Phytophthora_parasitica	Phytophthora	CE10_ETI48665	Oomycete	Phpa	Phpa_ETI48665	Phpa_ETI48665
CE10	341	ETI48666	456	1.90E-30	130	334	226	424	0.598240469	Phytophthora_parasitica	Phytophthora	CE10_ETI48666	Oomycete	Phpa	Phpa_ETI48666	Phpa_ETI48666
CE10	341	ETI48668	442	8.20E-34	94	337	184	426	0.712609971	Phytophthora_parasitica	Phytophthora	CE10_ETI48668	Oomycete	Phpa	Phpa_ETI48668	Phpa_ETI48668
CE10	341	ETI48670	444	7.40E-35	94	332	166	407	0.697947214	Phytophthora_parasitica	Phytophthora	CE10_ETI48670	Oomycete	Phpa	Phpa_ETI48670	Phpa_ETI48670
CE10	341	ETI48676	395	3.40E-32	84	316	136	371	0.680351906	Phytophthora_parasitica	Phytophthora	CE10_ETI48676	Oomycete	Phpa	Phpa_ETI48676	Phpa_ETI48676
CE10	341	ETI48677	248	3.70E-31	131	334	19	216	0.595307918	Phytophthora_parasitica	Phytophthora	CE10_ETI48677	Oomycete	Phpa	Phpa_ETI48677	Phpa_ETI48677
CE10	341	ETI48682	442	8.20E-34	94	337	184	426	0.712609971	Phytophthora_parasitica	Phytophthora	CE10_ETI48682	Oomycete	Phpa	Phpa_ETI48682	Phpa_ETI48682
GH81	622	ETI48685	824	4.50E-156	4	622	91	817	0.993569132	Phytophthora_parasitica	Phytophthora	GH81_ETI48685	Oomycete	Phpa	Phpa_ETI48685	Phpa_ETI48685
GH81	622	ETI48686	635	1.20E-84	4	424	91	620	0.675241158	Phytophthora_parasitica	Phytophthora	GH81_ETI48686	Oomycete	Phpa	Phpa_ETI48686	Phpa_ETI48686
GH81	622	ETI48687	630	5.80E-65	4	382	91	578	0.607717042	Phytophthora_parasitica	Phytophthora	GH81_ETI48687	Oomycete	Phpa	Phpa_ETI48687	Phpa_ETI48687
GH81	622	ETI48708	824	4.50E-156	4	622	91	817	0.993569132	Phytophthora_parasitica	Phytophthora	GH81_ETI48708	Oomycete	Phpa	Phpa_ETI48708	Phpa_ETI48708
GH72	312	ETI48742	494	7.30E-68	5	284	20	334	0.894230769	Phytophthora_parasitica	Phytophthora	GH72_ETI48742	Oomycete	Phpa	Phpa_ETI48742	Phpa_ETI48742_secreted
GH72	312	ETI48757	497	1.50E-73	5	284	25	332	0.894230769	Phytophthora_parasitica	Phytophthora	GH72_ETI48757	Oomycete	Phpa	Phpa_ETI48757	Phpa_ETI48757
GH72	312	ETI48758	499	4.00E-71	5	284	29	336	0.894230769	Phytophthora_parasitica	Phytophthora	GH72_ETI48758	Oomycete	Phpa	Phpa_ETI48758	Phpa_ETI48758
GH72	312	ETI48759	489	1.80E-73	5	289	29	339	0.91025641	Phytophthora_parasitica	Phytophthora	GH72_ETI48759	Oomycete	Phpa	Phpa_ETI48759	Phpa_ETI48759_secreted
GH72	312	ETI48760	502	2.40E-73	4	289	28	339	0.913461539	Phytophthora_parasitica	Phytophthora	GH72_ETI48760	Oomycete	Phpa	Phpa_ETI48760	Phpa_ETI48760_secreted
GH16	189	ETI48864	335	4.10E-12	24	189	16	302	0.873015873	Phytophthora_parasitica	Phytophthora	GH16_ETI48864	Oomycete	Phpa	Phpa_ETI48864	Phpa_ETI48864
GH81	622	ETI48946	1002													

CE1	227	ETI48959	366	0.000000016	11	209	63	348	0.872246696	Phytophthora_parasitica	Phytophthora	CE1_ETI48959	Oomycete	Phpa	Phpa_ETI48959	Phpa_ETI48959_secreted
CE1	227	ETI48960	360	0.000000015	11	209	57	342	0.872246696	Phytophthora_parasitica	Phytophthora	CE1_ETI48960	Oomycete	Phpa	Phpa_ETI48960	Phpa_ETI48960
GH81	622	ETI48974	791	4.30E-170	10	621	96	766	0.982315113	Phytophthora_parasitica	Phytophthora	GH81_ETI48974	Oomycete	Phpa	Phpa_ETI48974	Phpa_ETI48974_secreted
GH81	622	ETI48975	796	2.30E-164	11	621	99	772	0.980707396	Phytophthora_parasitica	Phytophthora	GH81_ETI48975	Oomycete	Phpa	Phpa_ETI48975	Phpa_ETI48975_secreted
CE13	355	ETI48983	436	1.50E-19	29	176	80	245	0.414084507	Phytophthora_parasitica	Phytophthora	CE13_ETI48983	Oomycete	Phpa	Phpa_ETI48983	Phpa_ETI48983_secreted
GT60	330	ETI48992	464	3.30E-45	3	329	119	436	0.987878788	Phytophthora_parasitica	Phytophthora	GT60_ETI48992	Oomycete	Phpa	Phpa_ETI48992	Phpa_ETI48992
GH81	622	ETI49036	857	5.90E-177	11	621	77	739	0.980707396	Phytophthora_parasitica	Phytophthora	GH81_ETI49036	Oomycete	Phpa	Phpa_ETI49036	Phpa_ETI49036_secreted
CE13	355	ETI49059	476	7.10E-26	25	194	75	262	0.476056338	Phytophthora_parasitica	Phytophthora	CE13_ETI49059	Oomycete	Phpa	Phpa_ETI49059	Phpa_ETI49059_secreted
CE13	355	ETI49060	464	5.10E-26	25	183	77	253	0.445070423	Phytophthora_parasitica	Phytophthora	CE13_ETI49060	Oomycete	Phpa	Phpa_ETI49060	Phpa_ETI49060_secreted
GT71	264	ETI49085	531	4.30E-50	2	264	177	412	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI49085	Oomycete	Phpa	Phpa_ETI49085	Phpa_ETI49085
PL3	197	ETI49202	421	7.80E-67	2	196	31	228	0.984771574	Phytophthora_parasitica	Phytophthora	PL3_ETI49202	Oomycete	Phpa	Phpa_ETI49202	Phpa_ETI49202_secreted
PL3	197	ETI49215	920	6.20E-68	2	195	535	732	0.979695432	Phytophthora_parasitica	Phytophthora	PL3_ETI49215	Oomycete	Phpa	Phpa_ETI49215	Phpa_ETI49215_secreted
PL3	197	ETI49215	920	9.20E-68	2	196	210	407	0.984771574	Phytophthora_parasitica	Phytophthora	PL3_ETI49215	Oomycete	Phpa	Phpa_ETI49215	Phpa_ETI49215_secreted
PL3	197	ETI49217	188	6.20E-57	42	196	3	161	0.781725888	Phytophthora_parasitica	Phytophthora	PL3_ETI49217	Oomycete	Phpa	Phpa_ETI49217	Phpa_ETI49217
CBM32	124	ETI49228	228	1.70E-11	13	110	53	173	0.782258065	Phytophthora_parasitica	Phytophthora	CBM32_ETI49228	Oomycete	Phpa	Phpa_ETI49228	Phpa_ETI49228_secreted
GH17	311	ETI49267	303	1.50E-22	15	309	44	303	0.945337621	Phytophthora_parasitica	Phytophthora	GH17_ETI49267	Oomycete	Phpa	Phpa_ETI49267	Phpa_ETI49267_secreted
GH17	311	ETI49303	540	4.80E-21	2	310	23	278	0.990353698	Phytophthora_parasitica	Phytophthora	GH17_ETI49303	Oomycete	Phpa	Phpa_ETI49303	Phpa_ETI49303
GH17	311	ETI49308	499	6.90E-19	2	310	23	276	0.990353698	Phytophthora_parasitica	Phytophthora	GH17_ETI49308	Oomycete	Phpa	Phpa_ETI49308	Phpa_ETI49308
AA2	255	ETI49547	694	1.80E-26	26	253	464	687	0.890196078	Phytophthora_parasitica	Phytophthora	AA2_ETI49547	Oomycete	Phpa	Phpa_ETI49547	Phpa_ETI49547_secreted
AA2	255	ETI49547	694	3.10E-23	14	126	81	195	0.439215686	Phytophthora_parasitica	Phytophthora	AA2_ETI49547	Oomycete	Phpa	Phpa_ETI49547	Phpa_ETI49547_secreted
AA4	522	ETI49560	492	2.80E-20	53	249	71	258	0.375478927	Phytophthora_parasitica	Phytophthora	AA4_ETI49560	Oomycete	Phpa	Phpa_ETI49560	Phpa_ETI49560
AA4	522	ETI49561	515	4.60E-20	15	252	35	283	0.454022989	Phytophthora_parasitica	Phytophthora	AA4_ETI49561	Oomycete	Phpa	Phpa_ETI49561	Phpa_ETI49561
AA4	522	ETI49562	514	5.30E-20	15	199	35	214	0.352490422	Phytophthora_parasitica	Phytophthora	AA4_ETI49562	Oomycete	Phpa	Phpa_ETI49562	Phpa_ETI49562
AA4	522	ETI49563	492	2.80E-21	15	289	35	302	0.524904215	Phytophthora_parasitica	Phytophthora	AA4_ETI49563	Oomycete	Phpa	Phpa_ETI49563	Phpa_ETI49563
AA4	522	ETI49564	381	0.00000021	122	284	3	186	0.310344828	Phytophthora_parasitica	Phytophthora	AA4_ETI49564	Oomycete	Phpa	Phpa_ETI49564	Phpa_ETI49564
AA4	522	ETI49565	358	0.000000014	122	295	3	174	0.331417625	Phytophthora_parasitica	Phytophthora	AA4_ETI49565	Oomycete	Phpa	Phpa_ETI49565	Phpa_ETI49565
AA4	522	ETI49566	466	6.40E-19	47	270	61	275	0.427203065	Phytophthora_parasitica	Phytophthora	AA4_ETI49566	Oomycete	Phpa	Phpa_ETI49566	Phpa_ETI49566
GT57	481	ETI49608	527	4.30E-142	2	478	35	509	0.98960499	Phytophthora_parasitica	Phytophthora	GT57_ETI49608	Oomycete	Phpa	Phpa_ETI49608	Phpa_ETI49608
GT57	481	ETI49609	476	3.30E-137	2	415	35	438	0.858627859	Phytophthora_parasitica	Phytophthora	GT57_ETI49609	Oomycete	Phpa	Phpa_ETI49609	Phpa_ETI49609
AA7	458	ETI49748	560	6.50E-12	6	186	75	263	0.3930131	Phytophthora_parasitica	Phytophthora	AA7_ETI49748	Oomycete	Phpa	Phpa_ETI49748	Phpa_ETI49748
CBM32	124	ETI49808	973	2.80E-09	7	107	291	398	0.806451613	Phytophthora_parasitica	Phytophthora	CBM32_ETI49808	Oomycete	Phpa	Phpa_ETI49808	Phpa_ETI49808
CBM32	124	ETI49809	969	2.50E-09	7	107	291	398	0.806451613	Phytophthora_parasitica	Phytophthora	CBM32_ETI49809	Oomycete	Phpa	Phpa_ETI49809	Phpa_ETI49809
CBM32	124	ETI49810	708	1.80E-09	7	107	26	133	0.806451613	Phytophthora_parasitica	Phytophthora	CBM32_ETI49810	Oomycete	Phpa	Phpa_ETI49810	Phpa_ETI49810
CBM32	124	ETI49811	704	1.50E-09	7	107	26	133	0.806451613	Phytophthora_parasitica	Phytophthora	CBM32_ETI49811	Oomycete	Phpa	Phpa_ETI49811	Phpa_ETI49811
CBM32	124	ETI49812	704	1.50E-09	7	107	26	133	0.806451613	Phytophthora_parasitica	Phytophthora	CBM32_ETI49812	Oomycete	Phpa	Phpa_ETI49812	Phpa_ETI49812
CBM47	128	ETI49839	2033	0.000000005	5	79	955	1037	0.578125	Phytophthora_parasitica	Phytophthora	CBM47_ETI49839	Oomycete	Phpa	Phpa_ETI49839	Phpa_ETI49839
CBM25	78	ETI49840	865	1.40E-16	5	76	146	219	0.91025641	Phytophthora_parasitica	Phytophthora	CBM25_ETI49840	Oomycete	Phpa	Phpa_ETI49840	Phpa_ETI49840_secreted
GH13	299	ETI49840	865	9.90E-19	23	258	424	736	0.785953177	Phytophthora_parasitica	Phytophthora	GH13_ETI49840	Oomycete	Phpa	Phpa_ETI49840	Phpa_ETI49840_secreted
GT41	705	ETI49963	967	4.50E-65	133	514	310	908	0.540425532	Phytophthora_parasitica	Phytophthora	GT41_ETI49963	Oomycete	Phpa	Phpa_ETI49963	Phpa_ETI49963_secreted
GT41	705	ETI49964	945	5.40E-69	133	514	310	886	0.540425532	Phytophthora_parasitica	Phytophthora	GT41_ETI49964	Oomycete	Phpa	Phpa_ETI49964	Phpa_ETI49964_secreted
GT8	257	ETI50005	519	2.40E-27	36	234	50	249	0.770428016	Phytophthora_parasitica	Phytophthora	GT8_ETI50005	Oomycete	Phpa	Phpa_ETI50005	Phpa_ETI50005
GT8	257	ETI50006	519	2.40E-27	36	234	50	249	0.770428016	Phytophthora_parasitica	Phytophthora	GT8_ETI50006	Oomycete	Phpa	Phpa_ETI50006	Phpa_ETI50006
CE10	341	ETI50047	801	0.000000001	70	210	546	707	0.410557185	Phytophthora_parasitica	Phytophthora	CE10_ETI50047	Oomycete	Phpa	Phpa_ETI50047	Phpa_ETI50047
GH81	622	ETI50118	750	4.60E-169	17	621	78	745	0.971061093	Phytophthora_parasitica	Phytophthora	GH81_ETI50118	Oomycete	Phpa	Phpa_ETI50118	Phpa_ETI50118
GH81	622	ETI50209	790	1.40E-179	12	621	108	783	0.979099679	Phytophthora_parasitica	Phytophthora	GH81_ETI50209	Oomycete	Phpa	Phpa_ETI50209	Phpa_ETI50209_secreted
GH81	622	ETI50232	790	1.90E-179	12	621	108	783	0.979099679	Phytophthora_parasitica	Phytophthora	GH81_ETI50232	Oomycete	Phpa	Phpa_ETI50232	Phpa_ETI50232_secreted
CE1	227	ETI50235	527	4.50E-17	8	143	196	360	0.594713656	Phytophthora_parasitica	Phytophthora	CE1_ETI50235	Oomycete	Phpa	Phpa_ETI50235	Phpa_ETI50235
CE1	227	ETI50236	416	5.90E-17	8	140	196	340	0.581497797	Phytophthora_parasitica	Phytophthora	CE1_ETI50236	Oomycete	Phpa	Phpa_ETI50236	Phpa_ETI50236
GH31	427	ETI50289	530	1.00E-107	89	426	1	386	0.789227166	Phytophthora_parasitica	Phytophthora	GH31_ETI50289	Oomycete	Phpa	Phpa_ETI50289	Phpa_ETI50289
CE12	210	ETI50623	292	2.90E-14	2	162	52	228	0.761904762	Phytophthora_parasitica	Phytophthora	CE12_ETI50623	Oomycete	Phpa	Phpa_ETI50623	Phpa_ETI50623
CE12	210	ETI50624	282	1.30E-15	2	164	41	219	0.771428571	Phytophthora_parasitica	Phytophthora	CE12_ETI50624	Oomycete	Phpa	Phpa_ETI50624	Phpa_ETI50624
GT4	160	ETI50642	1391	0.000000059	19	127	1197	1321	0.675	Phytophthora_parasitica	Phytophthora	GT4_ETI50642	Oomycete	Phpa	Phpa_ETI50642	Phpa_ETI50642
GT41	705	ETI50642	1391	9.60E-107	112	517	155	746	0.574468085	Phytophthora_parasitica	Phytophthora	GT41_ETI50642	Oomycete	Phpa	Phpa_ETI50642	Phpa_ETI50642
CE12	210	ETI50725	291	2.70E-12	3	164	41	222	0.766666667	Phytophthora_parasitica	Phytophthora	CE12_ETI50725	Oomycete	Phpa	Phpa_ETI50725	Phpa_ETI50725
CE8	288	ETI50769	338	1.20E-73	3	271	36	312	0.930555556	Phytophthora_parasitica	Phytophthora	CE8_ETI50769	Oomycete	Phpa	Phpa_ETI50769	Phpa_ETI50769_secreted
CE12	210	ETI50782	292	1.80E-10	3	159	46	222	0.742857143	Phytophthora_parasitica	Phytophthora	CE12_ETI50782	Oomycete	Phpa	Phpa_ETI50782	Phpa_ETI50782_secreted
CE12	210	ETI50783	165	0.00000001	68	160	18	128	0.438095238	Phytophthora_parasitica	Phytophthora	CE12_ETI50783	Oomycete	Phpa	Phpa_ETI50783	Phpa_ETI50783
CE8	288	ETI50786	359	3.50E-76	3	271	57	333	0.930555556	Phytophthora_parasitica	Phytophthora	CE8_ETI50786	Oomycete	Phpa	Phpa_ETI50786	Phpa_ETI50786_secreted
GH16	189	ETI50874	780	2.30E-09	129	189	472	581	0.317460318	Phytophthora_parasitica	Phytophthora	GH16_ETI50874	Oomycete	Phpa	Phpa_ETI50874	Phpa_ETI50874
GH16	189	ETI50874	780	0.000000023	4	97	78	244	0.492063492	Phytophthora_parasitica	Phytophthora	GH16_ETI50874	Oomycete	Phpa	Phpa_ETI50874	Phpa_ETI50874
GH131	255	ETI50878	327	1.40E-24	35	252	60	266	0.850980392	Phytophthora_parasitica	Phytophthora	GH131_ETI50878	Oomycete	Phpa	Phpa_ETI50878	Phpa_ETI50878_secreted
GH131	255	ETI50926	301	6.00E-16	35	241	60	254	0.807843137	Phytophthora_parasitica	Phytophthora	GH131_ETI50926	Oomycete	Phpa	Phpa_ETI50926	Phpa_ETI50926_secreted
GH35	307	ETI50934	819	4.00E-87	1	306	93	394	0.993485342	Phytophthora_parasitica	Phytophthora	GH35_ETI50934	Oomycete	Phpa	Phpa_ETI50934	Phpa_ETI50934
GH131	255	ETI50942	370	2.00E-24	44	246	70	255	0.792156863	Phytophthora_parasitica	Phytophthora	GH131_ETI50942	Oomycete	Phpa	Phpa_ETI50942	Phpa_ETI50942_secreted
GT8	257	ETI50978	448	0.000000014	129	234	301	398	0.408560311	Phytophthora_parasitica	Phytophthora	GT8_ETI50978	Oomycete	Phpa	Phpa_ETI50978	Phpa_ETI50978
CBM38	129	ETI50983	3722	8.60E-22	4	128	3153	3371	0.96124031	Phytophthora_parasitica	Phytophthora	CBM38_ETI50983	Oomycete	Phpa	Phpa_ETI50983	Phpa_ETI50983_secreted
GH131	255	ETI50987	271	0.000000025	37	133	58	146	0.376470588	Phytophthora_parasitica	Phytophthora	GH131_ETI50987	Oomycete	Phpa	Phpa_ETI50987	Phpa_ETI50987_secreted
GT30	177	ETI51021	499	1.10E-43	4	175	64	261	0.966101695	Phytophthora_parasitica	Phytophthora	GT30_ETI51021	Oomycete	Phpa	Phpa_ETI51021	Phpa

GT30	177	ETI51025	380	5.90E-44	4	175	64	261	0.966101695	Phytophthora_parasitica	Phytophthora	GT30_ETI51025	Oomycete	Phpa	Phpa_ETI51025	Phpa_ETI51025
GT30	177	ETI51026	380	5.90E-44	4	175	64	261	0.966101695	Phytophthora_parasitica	Phytophthora	GT30_ETI51026	Oomycete	Phpa	Phpa_ETI51026	Phpa_ETI51026
GT30	177	ETI51027	380	7.80E-37	41	175	6	142	0.757062147	Phytophthora_parasitica	Phytophthora	GT30_ETI51027	Oomycete	Phpa	Phpa_ETI51027	Phpa_ETI51027
GT30	177	ETI51028	341	4.40E-44	4	175	64	261	0.966101695	Phytophthora_parasitica	Phytophthora	GT30_ETI51028	Oomycete	Phpa	Phpa_ETI51028	Phpa_ETI51028
CBM32	124	ETI51047	178	0.0000067	11	66	23	85	0.443548387	Phytophthora_parasitica	Phytophthora	CBM32_ETI51047	Oomycete	Phpa	Phpa_ETI51047	Phpa_ETI51047
CBM32	124	ETI51048	145	0.0000007	11	66	23	85	0.443548387	Phytophthora_parasitica	Phytophthora	CBM32_ETI51048	Oomycete	Phpa	Phpa_ETI51048	Phpa_ETI51048
CE8	288	ETI51058	343	2.70E-71	3	273	38	319	0.9375	Phytophthora_parasitica	Phytophthora	CE8_ETI51058	Oomycete	Phpa	Phpa_ETI51058	Phpa_ETI51058_secreted
CBM13	188	ETI51062	443	2.10E-18	8	136	315	440	0.680851064	Phytophthora_parasitica	Phytophthora	CBM13_ETI51062	Oomycete	Phpa	Phpa_ETI51062	Phpa_ETI51062_secreted
GH17	311	ETI51062	443	5.20E-24	12	306	46	300	0.945337621	Phytophthora_parasitica	Phytophthora	GH17_ETI51062	Oomycete	Phpa	Phpa_ETI51062	Phpa_ETI51062_secreted
CBM13	188	ETI51063	110	1.30E-18	36	136	11	107	0.531914894	Phytophthora_parasitica	Phytophthora	CBM13_ETI51063	Oomycete	Phpa	Phpa_ETI51063	Phpa_ETI51063
CBM13	188	ETI51098	287	7.30E-17	23	142	45	164	0.632978723	Phytophthora_parasitica	Phytophthora	CBM13_ETI51098	Oomycete	Phpa	Phpa_ETI51098	Phpa_ETI51098
CBM13	188	ETI51098	287	3.10E-10	35	129	190	280	0.5	Phytophthora_parasitica	Phytophthora	CBM13_ETI51098	Oomycete	Phpa	Phpa_ETI51098	Phpa_ETI51098
GH3	216	ETI51118	760	1.10E-60	5	216	111	333	0.976851852	Phytophthora_parasitica	Phytophthora	GH3_ETI51118	Oomycete	Phpa	Phpa_ETI51118	Phpa_ETI51118_secreted
GT4	160	ETI51140	503	2.60E-27	6	153	297	456	0.91875	Phytophthora_parasitica	Phytophthora	GT4_ETI51140	Oomycete	Phpa	Phpa_ETI51140	Phpa_ETI51140
GT60	330	ETI51162	616	8.90E-60	1	330	132	445	0.996969697	Phytophthora_parasitica	Phytophthora	GT60_ETI51162	Oomycete	Phpa	Phpa_ETI51162	Phpa_ETI51162
PL1	202	ETI51374	412	4.70E-36	21	200	121	315	0.886138614	Phytophthora_parasitica	Phytophthora	PL1_ETI51374	Oomycete	Phpa	Phpa_ETI51374	Phpa_ETI51374_secreted
AA6	195	ETI51621	198	4.20E-84	1	195	1	195	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI51621	Oomycete	Phpa	Phpa_ETI51621	Phpa_ETI51621
AA6	195	ETI51635	213	1.70E-85	1	195	16	210	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI51635	Oomycete	Phpa	Phpa_ETI51635	Phpa_ETI51635
AA6	195	ETI51636	145	4.50E-64	1	141	3	145	0.717948718	Phytophthora_parasitica	Phytophthora	AA6_ETI51636	Oomycete	Phpa	Phpa_ETI51636	Phpa_ETI51636
CBM50	40	ETI51651	335	4.40E-10	1	39	28	74	0.95	Phytophthora_parasitica	Phytophthora	CBM50_ETI51651	Oomycete	Phpa	Phpa_ETI51651	Phpa_ETI51651
CBM50	40	ETI51651	335	5.40E-09	1	39	263	309	0.95	Phytophthora_parasitica	Phytophthora	CBM50_ETI51651	Oomycete	Phpa	Phpa_ETI51651	Phpa_ETI51651
CBM50	40	ETI51651	335	0.0000008	1	37	97	141	0.9	Phytophthora_parasitica	Phytophthora	CBM50_ETI51651	Oomycete	Phpa	Phpa_ETI51651	Phpa_ETI51651
GT20	475	ETI51657	1259	3.50E-108	12	330	87	424	0.669473684	Phytophthora_parasitica	Phytophthora	GT20_ETI51657	Oomycete	Phpa	Phpa_ETI51657	Phpa_ETI51657
GT20	475	ETI51657	1259	1.30E-63	326	474	505	731	0.311578947	Phytophthora_parasitica	Phytophthora	GT20_ETI51657	Oomycete	Phpa	Phpa_ETI51657	Phpa_ETI51657
GH18	296	ETI51658	409	2.70E-23	82	279	207	400	0.665540541	Phytophthora_parasitica	Phytophthora	GH18_ETI51658	Oomycete	Phpa	Phpa_ETI51658	Phpa_ETI51658_secreted
AA6	195	ETI51676	200	1.70E-83	1	195	3	197	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI51676	Oomycete	Phpa	Phpa_ETI51676	Phpa_ETI51676
AA6	195	ETI51712	200	1.50E-86	1	195	3	197	0.994871795	Phytophthora_parasitica	Phytophthora	AA6_ETI51712	Oomycete	Phpa	Phpa_ETI51712	Phpa_ETI51712
GH30	417	ETI51713	320	5.10E-76	117	388	4	317	0.649880096	Phytophthora_parasitica	Phytophthora	GH30_ETI51713	Oomycete	Phpa	Phpa_ETI51713	Phpa_ETI51713
GH30	417	ETI51715	550	1.70E-112	13	415	90	535	0.964028777	Phytophthora_parasitica	Phytophthora	GH30_ETI51715	Oomycete	Phpa	Phpa_ETI51715	Phpa_ETI51715_secreted
GH30	417	ETI51716	539	6.40E-116	14	416	88	530	0.964028777	Phytophthora_parasitica	Phytophthora	GH30_ETI51716	Oomycete	Phpa	Phpa_ETI51716	Phpa_ETI51716_secreted
GH30	417	ETI51717	541	1.70E-114	9	416	82	532	0.976019185	Phytophthora_parasitica	Phytophthora	GH30_ETI51717	Oomycete	Phpa	Phpa_ETI51717	Phpa_ETI51717_secreted
GH30	417	ETI51719	585	8.00E-105	11	415	86	541	0.96882494	Phytophthora_parasitica	Phytophthora	GH30_ETI51719	Oomycete	Phpa	Phpa_ETI51719	Phpa_ETI51719_secreted
GH30	417	ETI51720	635	5.80E-111	8	416	115	566	0.978417266	Phytophthora_parasitica	Phytophthora	GH30_ETI51720	Oomycete	Phpa	Phpa_ETI51720	Phpa_ETI51720
GH30	417	ETI51721	542	5.00E-112	7	416	83	540	0.980815348	Phytophthora_parasitica	Phytophthora	GH30_ETI51721	Oomycete	Phpa	Phpa_ETI51721	Phpa_ETI51721_secreted
GH72	312	ETI51722	588	3.10E-78	6	284	113	414	0.891025641	Phytophthora_parasitica	Phytophthora	GH72_ETI51722	Oomycete	Phpa	Phpa_ETI51722	Phpa_ETI51722_secreted
GH72	312	ETI51732	485	2.20E-78	4	284	3	306	0.897435897	Phytophthora_parasitica	Phytophthora	GH72_ETI51732	Oomycete	Phpa	Phpa_ETI51732	Phpa_ETI51732
CE5	189	ETI51794	217	1.80E-51	1	183	27	202	0.962962963	Phytophthora_parasitica	Phytophthora	CE5_ETI51794	Oomycete	Phpa	Phpa_ETI51794	Phpa_ETI51794_secreted
CBM32	124	ETI51974	145	0.0000025	6	107	17	122	0.814516129	Phytophthora_parasitica	Phytophthora	CBM32_ETI51974	Oomycete	Phpa	Phpa_ETI51974	Phpa_ETI51974
CBM1	29	ETI52042	322	0.000000002	2	26	288	312	0.827586207	Phytophthora_parasitica	Phytophthora	CBM1_ETI52042	Oomycete	Phpa	Phpa_ETI52042	Phpa_ETI52042_secreted
CBM1	29	ETI52047	227	5.20E-13	1	29	188	216	0.965517241	Phytophthora_parasitica	Phytophthora	CBM1_ETI52047	Oomycete	Phpa	Phpa_ETI52047	Phpa_ETI52047_secreted
CBM1	29	ETI52047	227	1.30E-11	2	29	62	89	0.931034483	Phytophthora_parasitica	Phytophthora	CBM1_ETI52047	Oomycete	Phpa	Phpa_ETI52047	Phpa_ETI52047_secreted
CBM1	29	ETI52047	227	0.00071	15	29	160	174	0.482758621	Phytophthora_parasitica	Phytophthora	CBM1_ETI52047	Oomycete	Phpa	Phpa_ETI52047	Phpa_ETI52047_secreted
GT96	307	ETI52156	955	6.10E-21	2	113	521	651	0.361563518	Phytophthora_parasitica	Phytophthora	GT96_ETI52156	Oomycete	Phpa	Phpa_ETI52156	Phpa_ETI52156
CBM47	128	ETI52189	1000	1.10E-13	2	125	717	851	0.9609375	Phytophthora_parasitica	Phytophthora	CBM47_ETI52189	Oomycete	Phpa	Phpa_ETI52189	Phpa_ETI52189
GH16	189	ETI52334	728	3.30E-11	122	189	406	557	0.354497355	Phytophthora_parasitica	Phytophthora	GH16_ETI52334	Oomycete	Phpa	Phpa_ETI52334	Phpa_ETI52334
GH16	189	ETI52334	728	0.00000031	3	115	63	278	0.592592593	Phytophthora_parasitica	Phytophthora	GH16_ETI52334	Oomycete	Phpa	Phpa_ETI52334	Phpa_ETI52334
CBM32	124	ETI52384	256	0.00037	8	71	113	175	0.508064516	Phytophthora_parasitica	Phytophthora	CBM32_ETI52384	Oomycete	Phpa	Phpa_ETI52384	Phpa_ETI52384
GT71	264	ETI52408	545	2.20E-47	2	264	157	424	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI52408	Oomycete	Phpa	Phpa_ETI52408	Phpa_ETI52408
PL3	197	ETI52454	281	3.10E-63	4	191	32	234	0.949238579	Phytophthora_parasitica	Phytophthora	PL3_ETI52454	Oomycete	Phpa	Phpa_ETI52454	Phpa_ETI52454_secreted
GT41	705	ETI52455	909	1.10E-65	157	484	353	878	0.463829787	Phytophthora_parasitica	Phytophthora	GT41_ETI52455	Oomycete	Phpa	Phpa_ETI52455	Phpa_ETI52455
AA2	255	ETI52642	337	3.60E-59	8	253	69	322	0.960784314	Phytophthora_parasitica	Phytophthora	AA2_ETI52642	Oomycete	Phpa	Phpa_ETI52642	Phpa_ETI52642
GT60	330	ETI52787	655	4.80E-94	1	329	329	623	0.993939394	Phytophthora_parasitica	Phytophthora	GT60_ETI52787	Oomycete	Phpa	Phpa_ETI52787	Phpa_ETI52787
GT60	330	ETI52788	463	4.10E-43	1	156	329	459	0.46969697	Phytophthora_parasitica	Phytophthora	GT60_ETI52788	Oomycete	Phpa	Phpa_ETI52788	Phpa_ETI52788
GT66	693	ETI52837	885	3.40E-170	11	603	64	694	0.854256854	Phytophthora_parasitica	Phytophthora	GT66_ETI52837	Oomycete	Phpa	Phpa_ETI52837	Phpa_ETI52837
GT66	693	ETI52861	885	3.80E-170	11	603	64	694	0.854256854	Phytophthora_parasitica	Phytophthora	GT66_ETI52861	Oomycete	Phpa	Phpa_ETI52861	Phpa_ETI52861
CE7	313	ETI52941	508	1.10E-11	56	299	57	288	0.776357828	Phytophthora_parasitica	Phytophthora	CE7_ETI52941	Oomycete	Phpa	Phpa_ETI52941	Phpa_ETI52941
CE7	313	ETI52967	508	1.10E-11	56	299	57	288	0.776357828	Phytophthora_parasitica	Phytophthora	CE7_ETI52967	Oomycete	Phpa	Phpa_ETI52967	Phpa_ETI52967
CE12	210	ETI52981	247	3.60E-16	2	162	20	193	0.761904762	Phytophthora_parasitica	Phytophthora	CE12_ETI52981	Oomycete	Phpa	Phpa_ETI52981	Phpa_ETI52981
CE12	210	ETI52982	267	9.70E-13	2	160	42	213	0.752380952	Phytophthora_parasitica	Phytophthora	CE12_ETI52982	Oomycete	Phpa	Phpa_ETI52982	Phpa_ETI52982
CE12	210	ETI52983	320	5.50E-12	1	159	65	242	0.752380952	Phytophthora_parasitica	Phytophthora	CE12_ETI52983	Oomycete	Phpa	Phpa_ETI52983	Phpa_ETI52983
CE12	210	ETI52984	314	1.40E-11	3	161	67	244	0.752380952	Phytophthora_parasitica	Phytophthora	CE12_ETI52984	Oomycete	Phpa	Phpa_ETI52984	Phpa_ETI52984
CE12	210	ETI52985	374	2.20E-11	2	160	122	299	0.752380952	Phytophthora_parasitica	Phytophthora	CE12_ETI52985	Oomycete	Phpa	Phpa_ETI52985	Phpa_ETI52985
CE12	210	ETI52986	266	5.60E-13	2	163	33	209	0.766666667	Phytophthora_parasitica	Phytophthora	CE12_ETI52986	Oomycete	Phpa	Phpa_ETI52986	Phpa_ETI52986
CE8	288	ETI53051	348	7.00E-70	9	274	49	325	0.920138889	Phytophthora_parasitica	Phytophthora	CE8_ETI53051	Oomycete	Phpa	Phpa_ETI53051	Phpa_ETI53051_secreted
GT48	739	ETI53277	2228	3.50E-274	2	703	850	1584	0.948579161	Phytophthora_parasitica	Phytophthora	GT48_ETI53277	Oomycete	Phpa	Phpa_ETI53277	Phpa_ETI53277
GH3	216	ETI53301	780	1.40E-56	4	203	114	323	0.921296296	Phytophthora_parasitica	Phytophthora	GH3_ETI53301	Oomycete	Phpa	Phpa_ETI53301	Phpa_ETI53301_secreted
CBM13	188	ETI53366	709	1.50E-10	6	103	552	646	0.515957447	Phytophthora_parasitica	Phytophthora	CBM13_ETI53366	Oomycete	Phpa	Phpa_ETI53366	Phpa_ETI53366
GH30	417	ETI53366	709	2.30E-104	10	362	137	516	0.8441247	Phytophthora_parasitica	Phytophthora	GH30_ETI53366	Oomycete	Phpa	Phpa_ETI53366	Phpa_ETI53366
CBM13	188	ETI53367	673	2.50E-10	11	109	522	619								

CBM13	188	ETI53368	682	0.00019	75	133	509	563	0.308510638	Phytophthora_parasitica	Phytophthora	CBM13_ETI53368	Oomycete	Phpa	Phpa_ETI53368	Phpa_ETI53368
GH30	417	ETI53368	682	9.50E-108	10	362	110	489	0.8441247	Phytophthora_parasitica	Phytophthora	GH30_ETI53368	Oomycete	Phpa	Phpa_ETI53368	Phpa_ETI53368
GH30	417	ETI53373	672	1.80E-103	11	362	99	479	0.841726619	Phytophthora_parasitica	Phytophthora	GH30_ETI53373	Oomycete	Phpa	Phpa_ETI53373	Phpa_ETI53373
AA3	618	ETI53478	662	2.00E-73	87	404	65	652	0.512944984	Phytophthora_parasitica	Phytophthora	AA3_ETI53478	Oomycete	Phpa	Phpa_ETI53478	Phpa_ETI53478
AA3	618	ETI53479	641	5.10E-74	87	404	65	631	0.512944984	Phytophthora_parasitica	Phytophthora	AA3_ETI53479	Oomycete	Phpa	Phpa_ETI53479	Phpa_ETI53479
AA3	618	ETI53480	572	4.30E-48	87	285	65	464	0.32038835	Phytophthora_parasitica	Phytophthora	AA3_ETI53480	Oomycete	Phpa	Phpa_ETI53480	Phpa_ETI53480
AA3	618	ETI53481	551	1.10E-48	87	285	65	443	0.32038835	Phytophthora_parasitica	Phytophthora	AA3_ETI53481	Oomycete	Phpa	Phpa_ETI53481	Phpa_ETI53481
AA3	618	ETI53482	533	6.40E-60	140	404	29	523	0.427184466	Phytophthora_parasitica	Phytophthora	AA3_ETI53482	Oomycete	Phpa	Phpa_ETI53482	Phpa_ETI53482
AA3	618	ETI53483	480	2.60E-53	165	404	1	470	0.386731392	Phytophthora_parasitica	Phytophthora	AA3_ETI53483	Oomycete	Phpa	Phpa_ETI53483	Phpa_ETI53483
AA3	618	ETI53484	465	2.40E-49	184	404	3	455	0.355987055	Phytophthora_parasitica	Phytophthora	AA3_ETI53484	Oomycete	Phpa	Phpa_ETI53484	Phpa_ETI53484
AA3	618	ETI53485	465	2.40E-49	184	404	3	455	0.355987055	Phytophthora_parasitica	Phytophthora	AA3_ETI53485	Oomycete	Phpa	Phpa_ETI53485	Phpa_ETI53485
AA3	618	ETI53486	465	2.40E-49	184	404	3	455	0.355987055	Phytophthora_parasitica	Phytophthora	AA3_ETI53486	Oomycete	Phpa	Phpa_ETI53486	Phpa_ETI53486
AA3	618	ETI53487	465	2.40E-49	184	404	3	455	0.355987055	Phytophthora_parasitica	Phytophthora	AA3_ETI53487	Oomycete	Phpa	Phpa_ETI53487	Phpa_ETI53487
GT31	192	ETI53514	428	1.00E-17	5	183	114	297	0.927083333	Phytophthora_parasitica	Phytophthora	GT31_ETI53514	Oomycete	Phpa	Phpa_ETI53514	Phpa_ETI53514_secreted
GT31	192	ETI53516	402	1.50E-17	41	182	143	297	0.734375	Phytophthora_parasitica	Phytophthora	GT31_ETI53516	Oomycete	Phpa	Phpa_ETI53516	Phpa_ETI53516
CBM61	141	ETI53580	122	0.00028	72	140	43	112	0.482269504	Phytophthora_parasitica	Phytophthora	CBM61_ETI53580	Oomycete	Phpa	Phpa_ETI53580	Phpa_ETI53580
GH16	189	ETI53612	705	1.60E-09	125	189	412	527	0.338624339	Phytophthora_parasitica	Phytophthora	GH16_ETI53612	Oomycete	Phpa	Phpa_ETI53612	Phpa_ETI53612
GH16	189	ETI53612	705	0.00000089	4	114	28	242	0.582010582	Phytophthora_parasitica	Phytophthora	GH16_ETI53612	Oomycete	Phpa	Phpa_ETI53612	Phpa_ETI53612
GH3	216	ETI53648	742	3.80E-58	5	206	112	315	0.930555556	Phytophthora_parasitica	Phytophthora	GH3_ETI53648	Oomycete	Phpa	Phpa_ETI53648	Phpa_ETI53648_secreted
GT96	307	ETI53652	501	4.10E-15	2	114	113	234	0.364820847	Phytophthora_parasitica	Phytophthora	GT96_ETI53652	Oomycete	Phpa	Phpa_ETI53652	Phpa_ETI53652
GH105	332	ETI53745	398	3.40E-46	19	332	57	395	0.942771084	Phytophthora_parasitica	Phytophthora	GH105_ETI53745	Oomycete	Phpa	Phpa_ETI53745	Phpa_ETI53745_secreted
CE1	227	ETI53773	228	9.80E-12	21	208	12	202	0.823788546	Phytophthora_parasitica	Phytophthora	CE1_ETI53773	Oomycete	Phpa	Phpa_ETI53773	Phpa_ETI53773
CE1	227	ETI53774	228	1.40E-10	15	207	15	205	0.845814978	Phytophthora_parasitica	Phytophthora	CE1_ETI53774	Oomycete	Phpa	Phpa_ETI53774	Phpa_ETI53774
GT33	425	ETI53800	465	8.70E-163	2	424	18	456	0.992941177	Phytophthora_parasitica	Phytophthora	GT33_ETI53800	Oomycete	Phpa	Phpa_ETI53800	Phpa_ETI53800
CBM1	29	ETI53862	181	0.0000021	1	24	134	155	0.793103448	Phytophthora_parasitica	Phytophthora	CBM1_ETI53862	Oomycete	Phpa	Phpa_ETI53862	Phpa_ETI53862
CBM1	29	ETI53862	181	0.00018	3	27	59	81	0.827586207	Phytophthora_parasitica	Phytophthora	CBM1_ETI53862	Oomycete	Phpa	Phpa_ETI53862	Phpa_ETI53862
GH31	427	ETI53887	1022	9.90E-144	2	427	406	879	0.995316159	Phytophthora_parasitica	Phytophthora	GH31_ETI53887	Oomycete	Phpa	Phpa_ETI53887	Phpa_ETI53887_secreted
CE1	227	ETI54011	371	1.80E-11	10	221	98	358	0.929515419	Phytophthora_parasitica	Phytophthora	CE1_ETI54011	Oomycete	Phpa	Phpa_ETI54011	Phpa_ETI54011
PL3	197	ETI54068	289	4.40E-63	4	190	32	232	0.944162437	Phytophthora_parasitica	Phytophthora	PL3_ETI54068	Oomycete	Phpa	Phpa_ETI54068	Phpa_ETI54068_secreted
PL3	197	ETI54069	293	3.00E-62	2	191	14	217	0.959390863	Phytophthora_parasitica	Phytophthora	PL3_ETI54069	Oomycete	Phpa	Phpa_ETI54069	Phpa_ETI54069
GH17	311	ETI54071	299	5.20E-20	2	309	26	284	0.987138264	Phytophthora_parasitica	Phytophthora	GH17_ETI54071	Oomycete	Phpa	Phpa_ETI54071	Phpa_ETI54071
GH17	311	ETI54075	338	2.60E-19	2	306	66	320	0.977491961	Phytophthora_parasitica	Phytophthora	GH17_ETI54075	Oomycete	Phpa	Phpa_ETI54075	Phpa_ETI54075
GH30	417	ETI54139	540	3.10E-116	9	416	82	530	0.976019185	Phytophthora_parasitica	Phytophthora	GH30_ETI54139	Oomycete	Phpa	Phpa_ETI54139	Phpa_ETI54139_secreted
GH10	303	ETI54140	495	5.30E-89	4	289	52	347	0.940594059	Phytophthora_parasitica	Phytophthora	GH10_ETI54140	Oomycete	Phpa	Phpa_ETI54140	Phpa_ETI54140
CE8	288	ETI54180	350	6.90E-76	3	273	46	326	0.9375	Phytophthora_parasitica	Phytophthora	CE8_ETI54180	Oomycete	Phpa	Phpa_ETI54180	Phpa_ETI54180_secreted
GT71	264	ETI54327	448	2.20E-42	4	257	69	331	0.958333333	Phytophthora_parasitica	Phytophthora	GT71_ETI54327	Oomycete	Phpa	Phpa_ETI54327	Phpa_ETI54327
GT71	264	ETI54328	450	1.00E-46	2	257	68	331	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI54328	Oomycete	Phpa	Phpa_ETI54328	Phpa_ETI54328_secreted
GH12	156	ETI54459	241	1.70E-44	2	156	91	240	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI54459	Oomycete	Phpa	Phpa_ETI54459	Phpa_ETI54459_secreted
GH12	156	ETI54461	238	7.40E-46	2	156	89	237	0.987179487	Phytophthora_parasitica	Phytophthora	GH12_ETI54461	Oomycete	Phpa	Phpa_ETI54461	Phpa_ETI54461_secreted
GH1	429	ETI54483	580	3.50E-136	4	425	28	508	0.981351981	Phytophthora_parasitica	Phytophthora	GH1_ETI54483	Oomycete	Phpa	Phpa_ETI54483	Phpa_ETI54483
GH109	126	ETI54528	339	4.70E-09	1	124	10	122	0.976190476	Phytophthora_parasitica	Phytophthora	GH109_ETI54528	Oomycete	Phpa	Phpa_ETI54528	Phpa_ETI54528
GH109	126	ETI54529	312	0.00000037	69	124	40	95	0.436507937	Phytophthora_parasitica	Phytophthora	GH109_ETI54529	Oomycete	Phpa	Phpa_ETI54529	Phpa_ETI54529
GH109	126	ETI54531	365	1.80E-10	1	126	30	149	0.992063492	Phytophthora_parasitica	Phytophthora	GH109_ETI54531	Oomycete	Phpa	Phpa_ETI54531	Phpa_ETI54531
GH109	126	ETI54532	365	1.80E-10	1	126	30	149	0.992063492	Phytophthora_parasitica	Phytophthora	GH109_ETI54532	Oomycete	Phpa	Phpa_ETI54532	Phpa_ETI54532
CE10	341	ETI54554	720	3.10E-40	93	332	457	709	0.700879765	Phytophthora_parasitica	Phytophthora	CE10_ETI54554	Oomycete	Phpa	Phpa_ETI54554	Phpa_ETI54554
CE10	341	ETI54555	716	4.10E-44	93	332	457	705	0.700879765	Phytophthora_parasitica	Phytophthora	CE10_ETI54555	Oomycete	Phpa	Phpa_ETI54555	Phpa_ETI54555
GH31	427	ETI54561	1196	8.70E-102	2	427	375	960	0.995316159	Phytophthora_parasitica	Phytophthora	GH31_ETI54561	Oomycete	Phpa	Phpa_ETI54561	Phpa_ETI54561
GT22	389	ETI54568	507	3.10E-82	4	364	12	407	0.925449872	Phytophthora_parasitica	Phytophthora	GT22_ETI54568	Oomycete	Phpa	Phpa_ETI54568	Phpa_ETI54568
GT22	389	ETI54569	441	4.50E-82	4	364	12	407	0.925449872	Phytophthora_parasitica	Phytophthora	GT22_ETI54569	Oomycete	Phpa	Phpa_ETI54569	Phpa_ETI54569
GT22	389	ETI54570	369	1.70E-78	4	315	12	360	0.799485861	Phytophthora_parasitica	Phytophthora	GT22_ETI54570	Oomycete	Phpa	Phpa_ETI54570	Phpa_ETI54570
GT22	389	ETI54571	369	1.70E-78	4	315	12	360	0.799485861	Phytophthora_parasitica	Phytophthora	GT22_ETI54571	Oomycete	Phpa	Phpa_ETI54571	Phpa_ETI54571
GT22	389	ETI54572	369	1.70E-78	4	315	12	360	0.799485861	Phytophthora_parasitica	Phytophthora	GT22_ETI54572	Oomycete	Phpa	Phpa_ETI54572	Phpa_ETI54572
GT22	389	ETI54573	369	1.70E-78	4	315	12	360	0.799485861	Phytophthora_parasitica	Phytophthora	GT22_ETI54573	Oomycete	Phpa	Phpa_ETI54573	Phpa_ETI54573
GT22	389	ETI54574	357	5.80E-76	4	306	12	351	0.776349614	Phytophthora_parasitica	Phytophthora	GT22_ETI54574	Oomycete	Phpa	Phpa_ETI54574	Phpa_ETI54574
GT22	389	ETI54575	357	5.80E-76	4	306	12	351	0.776349614	Phytophthora_parasitica	Phytophthora	GT22_ETI54575	Oomycete	Phpa	Phpa_ETI54575	Phpa_ETI54575
GT22	389	ETI54576	357	5.80E-76	4	306	12	351	0.776349614	Phytophthora_parasitica	Phytophthora	GT22_ETI54576	Oomycete	Phpa	Phpa_ETI54576	Phpa_ETI54576
GT60	330	ETI54601	424	1.70E-73	4	329	99	401	0.984848485	Phytophthora_parasitica	Phytophthora	GT60_ETI54601	Oomycete	Phpa	Phpa_ETI54601	Phpa_ETI54601
CE10	341	ETI54602	405	2.90E-32	74	333	111	378	0.759530792	Phytophthora_parasitica	Phytophthora	CE10_ETI54602	Oomycete	Phpa	Phpa_ETI54602	Phpa_ETI54602
GT31	192	ETI54661	512	1.10E-32	3	189	131	336	0.96875	Phytophthora_parasitica	Phytophthora	GT31_ETI54661	Oomycete	Phpa	Phpa_ETI54661	Phpa_ETI54661
GT10	347	ETI54662	953	4.90E-38	89	315	696	928	0.65129683	Phytophthora_parasitica	Phytophthora	GT10_ETI54662	Oomycete	Phpa	Phpa_ETI54662	Phpa_ETI54662_secreted
GT31	192	ETI54662	953	3.30E-34	3	189	227	434	0.96875	Phytophthora_parasitica	Phytophthora	GT31_ETI54662	Oomycete	Phpa	Phpa_ETI54662	Phpa_ETI54662_secreted
GT31	192	ETI54663	479	2.10E-36	3	191	229	425	0.979166667	Phytophthora_parasitica	Phytophthora	GT31_ETI54663	Oomycete	Phpa	Phpa_ETI54663	Phpa_ETI54663_secreted
CE7	313	ETI54668	365	3.50E-10	52	209	64	223	0.501597444	Phytophthora_parasitica	Phytophthora	CE7_ETI54668	Oomycete	Phpa	Phpa_ETI54668	Phpa_ETI54668
CE10	341	ETI54669	341	1.20E-09	78	226	75	219	0.434017595	Phytophthora_parasitica	Phytophthora	CE10_ETI54669	Oomycete	Phpa	Phpa_ETI54669	Phpa_ETI54669
CE7	313	ETI54670	296	3.60E-09	63	209	6	154	0.466453674	Phytophthora_parasitica	Phytophthora	CE7_ETI54670	Oomycete	Phpa	Phpa_ETI54670	Phpa_ETI54670
CE10	341	ETI54671	272	1.30E-09	80	228	8	152	0.434017595	Phytophthora_parasitica	Phytophthora	CE10_ETI54671	Oomycete	Phpa	Phpa_ETI54671	Phpa_ETI54671
PL3	197	ETI54889	262	2.60E-69	3	196	39	233	0.979695432	Phytophthora_parasitica	Phytophthora	PL3_ETI54889	Oomycete	Phpa	Phpa_ETI54889	Phpa_ETI54889_secreted
PL3	197	ETI54891	262	3.20E-69	3	196	39	233	0.979695432	Phytophthora_parasitica	Phytophthora	PL3_ETI54891	Oomycete	Phpa	Phpa_ETI54891	Phpa_ETI54891_secreted
CE5	189	ETI54892	217	2.80E-53	1	186	27	205	0.97883							

CE5	189	ETI55165	215	3.30E-53	1	186	25	203	0.978835979	Phytophthora_parasitica	Phytophthora	CE5_ETI55165	Oomycete	Phpa	Phpa_ETI55165	Phpa_ETI55165_secreted
CE5	189	ETI55166	219	2.00E-51	1	184	28	204	0.968253968	Phytophthora_parasitica	Phytophthora	CE5_ETI55166	Oomycete	Phpa	Phpa_ETI55166	Phpa_ETI55166_secreted
CE5	189	ETI55167	217	1.70E-51	1	184	27	203	0.968253968	Phytophthora_parasitica	Phytophthora	CE5_ETI55167	Oomycete	Phpa	Phpa_ETI55167	Phpa_ETI55167_secreted
CE5	189	ETI55168	129	2.30E-31	68	183	1	114	0.608465609	Phytophthora_parasitica	Phytophthora	CE5_ETI55168	Oomycete	Phpa	Phpa_ETI55168	Phpa_ETI55168
GH53	342	ETI55220	433	2.30E-81	2	317	47	356	0.921052632	Phytophthora_parasitica	Phytophthora	GH53_ETI55220	Oomycete	Phpa	Phpa_ETI55220	Phpa_ETI55220
GH53	342	ETI55221	358	2.10E-79	2	332	26	339	0.964912281	Phytophthora_parasitica	Phytophthora	GH53_ETI55221	Oomycete	Phpa	Phpa_ETI55221	Phpa_ETI55221_secreted
GH53	342	ETI55222	193	2.50E-26	170	310	47	181	0.409356725	Phytophthora_parasitica	Phytophthora	GH53_ETI55222	Oomycete	Phpa	Phpa_ETI55222	Phpa_ETI55222
GH53	342	ETI55224	362	1.30E-81	2	335	27	344	0.973684211	Phytophthora_parasitica	Phytophthora	GH53_ETI55224	Oomycete	Phpa	Phpa_ETI55224	Phpa_ETI55224_secreted
GH53	342	ETI55225	358	2.20E-82	1	332	24	339	0.967836257	Phytophthora_parasitica	Phytophthora	GH53_ETI55225	Oomycete	Phpa	Phpa_ETI55225	Phpa_ETI55225_secreted
GT2	168	ETI55254	240	3.90E-43	1	168	8	178	0.994047619	Phytophthora_parasitica	Phytophthora	GT2_ETI55254	Oomycete	Phpa	Phpa_ETI55254	Phpa_ETI55254
CE13	355	ETI55272	410	4.30E-31	25	253	71	317	0.642253521	Phytophthora_parasitica	Phytophthora	CE13_ETI55272	Oomycete	Phpa	Phpa_ETI55272	Phpa_ETI55272_secreted
GT71	264	ETI55274	885	7.90E-54	1	264	516	751	0.996212121	Phytophthora_parasitica	Phytophthora	GT71_ETI55274	Oomycete	Phpa	Phpa_ETI55274	Phpa_ETI55274
GT71	264	ETI55276	513	6.20E-46	2	264	278	512	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55276	Oomycete	Phpa	Phpa_ETI55276	Phpa_ETI55276
GT71	264	ETI55277	643	8.60E-45	2	264	255	487	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55277	Oomycete	Phpa	Phpa_ETI55277	Phpa_ETI55277
GT71	264	ETI55278	721	2.50E-51	2	264	328	562	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55278	Oomycete	Phpa	Phpa_ETI55278	Phpa_ETI55278
GT71	264	ETI55279	662	2.10E-51	2	264	269	503	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55279	Oomycete	Phpa	Phpa_ETI55279	Phpa_ETI55279
GT71	264	ETI55280	656	1.30E-48	2	264	263	496	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55280	Oomycete	Phpa	Phpa_ETI55280	Phpa_ETI55280
GT71	264	ETI55282	306	3.50E-26	2	126	183	306	0.46969697	Phytophthora_parasitica	Phytophthora	GT71_ETI55282	Oomycete	Phpa	Phpa_ETI55282	Phpa_ETI55282
GT71	264	ETI55283	146	6.90E-17	173	264	5	90	0.34469697	Phytophthora_parasitica	Phytophthora	GT71_ETI55283	Oomycete	Phpa	Phpa_ETI55283	Phpa_ETI55283
GT71	264	ETI55284	600	1.90E-51	2	264	211	445	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55284	Oomycete	Phpa	Phpa_ETI55284	Phpa_ETI55284
GT71	264	ETI55286	584	1.90E-48	2	264	204	436	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55286	Oomycete	Phpa	Phpa_ETI55286	Phpa_ETI55286
GT71	264	ETI55287	599	4.40E-49	2	264	198	432	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55287	Oomycete	Phpa	Phpa_ETI55287	Phpa_ETI55287
GT71	264	ETI55288	516	4.80E-46	2	264	157	389	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55288	Oomycete	Phpa	Phpa_ETI55288	Phpa_ETI55288_secreted
GT71	264	ETI55289	575	1.90E-50	2	264	208	442	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55289	Oomycete	Phpa	Phpa_ETI55289	Phpa_ETI55289
GT71	264	ETI55290	448	1.80E-38	8	258	106	331	0.946969697	Phytophthora_parasitica	Phytophthora	GT71_ETI55290	Oomycete	Phpa	Phpa_ETI55290	Phpa_ETI55290
GT71	264	ETI55291	520	2.60E-51	1	264	160	396	0.996212121	Phytophthora_parasitica	Phytophthora	GT71_ETI55291	Oomycete	Phpa	Phpa_ETI55291	Phpa_ETI55291
GT71	264	ETI55292	479	9.10E-45	2	257	96	360	0.965909091	Phytophthora_parasitica	Phytophthora	GT71_ETI55292	Oomycete	Phpa	Phpa_ETI55292	Phpa_ETI55292
GT71	264	ETI55293	614	1.50E-50	2	264	256	491	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55293	Oomycete	Phpa	Phpa_ETI55293	Phpa_ETI55293
GT71	264	ETI55294	391	8.70E-49	8	264	3	229	0.96969697	Phytophthora_parasitica	Phytophthora	GT71_ETI55294	Oomycete	Phpa	Phpa_ETI55294	Phpa_ETI55294
GT71	264	ETI55296	558	1.60E-43	2	264	208	440	0.992424242	Phytophthora_parasitica	Phytophthora	GT71_ETI55296	Oomycete	Phpa	Phpa_ETI55296	Phpa_ETI55296
GH7	415	ETI55379	460	1.10E-144	1	414	26	460	0.995180723	Phytophthora_parasitica	Phytophthora	GH7_ETI55379	Oomycete	Phpa	Phpa_ETI55379	Phpa_ETI55379_secreted
GH7	415	ETI55386	458	1.60E-138	2	414	26	458	0.992771084	Phytophthora_parasitica	Phytophthora	GH7_ETI55386	Oomycete	Phpa	Phpa_ETI55386	Phpa_ETI55386_secreted
CE1	227	ETI55582	584	0.0000024	77	161	176	273	0.370044053	Phytophthora_parasitica	Phytophthora	CE1_ETI55582	Oomycete	Phpa	Phpa_ETI55582	Phpa_ETI55582_secreted
CE14	124	ETI55897	300	5.70E-13	1	123	55	172	0.983870968	Phytophthora_parasitica	Phytophthora	CE14_ETI55897	Oomycete	Phpa	Phpa_ETI55897	Phpa_ETI55897
CE10	341	ETI55974	787	1.90E-24	48	308	487	762	0.762463343	Phytophthora_parasitica	Phytophthora	CE10_ETI55974	Oomycete	Phpa	Phpa_ETI55974	Phpa_ETI55974
GH17	311	ETI56002	379	6.70E-19	25	306	77	324	0.903536978	Phytophthora_parasitica	Phytophthora	GH17_ETI56002	Oomycete	Phpa	Phpa_ETI56002	Phpa_ETI56002
GH5	275	ETI56036	686	6.10E-29	2	237	25	525	0.854545455	Phytophthora_parasitica	Phytophthora	GH5_ETI56036	Oomycete	Phpa	Phpa_ETI56036	Phpa_ETI56036
GH5	275	ETI56045	710	2.40E-27	3	235	37	538	0.843636364	Phytophthora_parasitica	Phytophthora	GH5_ETI56045	Oomycete	Phpa	Phpa_ETI56045	Phpa_ETI56045
GH5	275	ETI56074	685	1.20E-30	2	237	17	518	0.854545455	Phytophthora_parasitica	Phytophthora	GH5_ETI56074	Oomycete	Phpa	Phpa_ETI56074	Phpa_ETI56074
CBM37	62	ETI56108	7457	0.00022	38	61	6790	6816	0.370967742	Phytophthora_parasitica	Phytophthora	CBM37_ETI56108	Oomycete	Phpa	Phpa_ETI56108	Phpa_ETI56108
AA3	618	ETI56139	577	1.30E-106	85	401	14	557	0.511326861	Phytophthora_parasitica	Phytophthora	AA3_ETI56139	Oomycete	Phpa	Phpa_ETI56139	Phpa_ETI56139
GH47	446	ETI56207	590	2.00E-135	1	446	146	585	0.997757848	Phytophthora_parasitica	Phytophthora	GH47_ETI56207	Oomycete	Phpa	Phpa_ETI56207	Phpa_ETI56207
GT20	475	ETI56221	957	2.80E-145	14	473	12	505	0.96631579	Phytophthora_parasitica	Phytophthora	GT20_ETI56221	Oomycete	Phpa	Phpa_ETI56221	Phpa_ETI56221
GT20	475	ETI56222	957	2.80E-145	14	473	12	505	0.96631579	Phytophthora_parasitica	Phytophthora	GT20_ETI56222	Oomycete	Phpa	Phpa_ETI56222	Phpa_ETI56222
GT20	475	ETI56223	804	1.70E-145	14	473	12	505	0.96631579	Phytophthora_parasitica	Phytophthora	GT20_ETI56223	Oomycete	Phpa	Phpa_ETI56223	Phpa_ETI56223
GH78	504	ETI56337	856	4.60E-64	106	502	396	821	0.785714286	Phytophthora_parasitica	Phytophthora	GH78_ETI56337	Oomycete	Phpa	Phpa_ETI56337	Phpa_ETI56337_secreted
GH78	504	ETI56340	847	1.80E-64	115	501	403	819	0.765873016	Phytophthora_parasitica	Phytophthora	GH78_ETI56340	Oomycete	Phpa	Phpa_ETI56340	Phpa_ETI56340_secreted
GH78	504	ETI56341	850	1.70E-63	107	502	397	821	0.783730159	Phytophthora_parasitica	Phytophthora	GH78_ETI56341	Oomycete	Phpa	Phpa_ETI56341	Phpa_ETI56341_secreted
GH131	255	ETI56583	263	2.70E-24	35	243	60	257	0.815686275	Phytophthora_parasitica	Phytophthora	GH131_ETI56583	Oomycete	Phpa	Phpa_ETI56583	Phpa_ETI56583_secreted
GT20	475	ETI56779	859	3.60E-151	11	474	51	517	0.974736842	Phytophthora_parasitica	Phytophthora	GT20_ETI56779	Oomycete	Phpa	Phpa_ETI56779	Phpa_ETI56779
GT20	475	ETI56780	660	1.70E-151	11	474	51	517	0.974736842	Phytophthora_parasitica	Phytophthora	GT20_ETI56780	Oomycete	Phpa	Phpa_ETI56780	Phpa_ETI56780
GT20	475	ETI56781	603	1.30E-151	11	474	51	517	0.974736842	Phytophthora_parasitica	Phytophthora	GT20_ETI56781	Oomycete	Phpa	Phpa_ETI56781	Phpa_ETI56781
GT41	705	ETI56953	511	4.20E-74	78	430	28	506	0.49929078	Phytophthora_parasitica	Phytophthora	GT41_ETI56953	Oomycete	Phpa	Phpa_ETI56953	Phpa_ETI56953_secreted
AA6	195	ETI56983	201	1.10E-78	2	195	5	198	0.98974359	Phytophthora_parasitica	Phytophthora	AA6_ETI56983	Oomycete	Phpa	Phpa_ETI56983	Phpa_ETI56983
CBM1	29	ETI57065	384	0.00061	4	27	274	296	0.793103448	Phytophthora_parasitica	Phytophthora	CBM1_ETI57065	Oomycete	Phpa	Phpa_ETI57065	Phpa_ETI57065_secreted
CE10	341	ETI57176	561	1.50E-31	75	188	98	232	0.331378299	Phytophthora_parasitica	Phytophthora	CE10_ETI57176	Oomycete	Phpa	Phpa_ETI57176	Phpa_ETI57176_secreted
GH3	216	ETI57178	947	2.80E-42	3	216	140	347	0.986111111	Phytophthora_parasitica	Phytophthora	GH3_ETI57178	Oomycete	Phpa	Phpa_ETI57178	Phpa_ETI57178
CE10	341	ETI57211	559	7.40E-29	75	187	98	227	0.328445748	Phytophthora_parasitica	Phytophthora	CE10_ETI57211	Oomycete	Phpa	Phpa_ETI57211	Phpa_ETI57211_secreted
GH3	216	ETI57212	947	7.60E-42	3	216	140	347	0.986111111	Phytophthora_parasitica	Phytophthora	GH3_ETI57212	Oomycete	Phpa	Phpa_ETI57212	Phpa_ETI57212
CE10	341	ETI57213	561	1.50E-31	75	188	98	232	0.331378299	Phytophthora_parasitica	Phytophthora	CE10_ETI57213	Oomycete	Phpa	Phpa_ETI57213	Phpa_ETI57213_secreted
GT1	382	ETI57440	612	2.80E-22	77	381	172	530	0.795811518	Phytophthora_parasitica	Phytophthora	GT1_ETI57440	Oomycete	Phpa	Phpa_ETI57440	Phpa_ETI57440
GT4	160	ETI57463	604	8.40E-28	7	157	388	541	0.9375	Phytophthora_parasitica	Phytophthora	GT4_ETI57463	Oomycete	Phpa	Phpa_ETI57463	Phpa_ETI57463_secreted
GH16	189	ETI57486	723	2.90E-09	124	189	442	558	0.343915344	Phytophthora_parasitica	Phytophthora	GH16_ETI57486	Oomycete	Phpa	Phpa_ETI57486	Phpa_ETI57486
GH16	189	ETI57486	723	0.00000055	4	91	62	217	0.46031746	Phytophthora_parasitica	Phytophthora	GH16_ETI57486	Oomycete	Phpa	Phpa_ETI57486	Phpa_ETI57486
GH6	294	ETI57549	457	8.60E-58	15	289	42	294	0.931972789	Phytophthora_parasitica	Phytophthora	GH6_ETI57549	Oomycete	Phpa	Phpa_ETI57549	Phpa_ETI57549_secreted
GH6	294	ETI57555	364	9.50E-54	15	289	36	291	0.931972789	Phytophthora_parasitica	Phytophthora	GH6_ETI57555	Oomycete	Phpa	Phpa_ETI57555	Phpa_ETI57555_secreted
GH6	294	ETI57557	499	3.70E-55	12	289	33	291	0.942176871	Phytophthora_parasitica	Phytophthora	GH6_ETI57557	Oomycete	Phpa	Phpa_ETI57557	Phpa_ETI57557
GH6	294	ETI57559	460	1.70E-62	13	289	45	299	0.93877551	Phytophthora_parasitica	Phytophthora	GH6_ETI57559	Oomycete	Phpa	Phpa_ETI57559	Phpa_ET

AA2	255	Phyra38638	264	8.30E-59	11	253	11	262	0.949019608	Phytophthora_ramorum	Phytophthora	AA2_Phyra38638	Oomycete	Phra	Phra_38638	Phra_38638
CBM43	83	Phyra38945	597	3.60E-15	1	72	524	593	0.855421687	Phytophthora_ramorum	Phytophthora	CBM43_Phyra38945	Oomycete	Phra	Phra_38945	Phra_38945
GH5	275	Phyra38945	597	3.50E-33	27	219	109	386	0.698181818	Phytophthora_ramorum	Phytophthora	GH5_Phyra38945	Oomycete	Phra	Phra_38945	Phra_38945
GT66	693	Phyra38947	717	4.90E-150	10	600	3	666	0.851370851	Phytophthora_ramorum	Phytophthora	GT66_Phyra38947	Oomycete	Phra	Phra_38947	Phra_38947
CE12	210	Phyra39037	211	2.60E-10	4	163	7	181	0.757142857	Phytophthora_ramorum	Phytophthora	CE12_Phyra39037	Oomycete	Phra	Phra_39037	Phra_39037
PL3	197	Phyra39059	164	1.10E-61	15	177	1	164	0.822335025	Phytophthora_ramorum	Phytophthora	PL3_Phyra39059	Oomycete	Phra	Phra_39059	Phra_39059
AA7	458	Phyra39106	421	2.60E-14	3	203	119	334	0.436681223	Phytophthora_ramorum	Phytophthora	AA7_Phyra39106	Oomycete	Phra	Phra_39106	Phra_39106
CBM43	83	Phyra39341	578	2.00E-14	2	72	510	576	0.843373494	Phytophthora_ramorum	Phytophthora	CBM43_Phyra39341	Oomycete	Phra	Phra_39341	Phra_39341
GH5	275	Phyra39341	578	6.70E-32	29	220	102	375	0.694545455	Phytophthora_ramorum	Phytophthora	GH5_Phyra39341	Oomycete	Phra	Phra_39341	Phra_39341
GH43	248	Phyra39767	182	6.50E-22	103	247	6	180	0.580645161	Phytophthora_ramorum	Phytophthora	GH43_Phyra39767	Oomycete	Phra	Phra_39767	Phra_39767
PL1	202	Phyra39775	344	1.10E-35	20	201	114	311	0.896039604	Phytophthora_ramorum	Phytophthora	PL1_Phyra39775	Oomycete	Phra	Phra_39775	Phra_39775_secreted
PL3	197	Phyra39825	253	3.40E-70	2	196	30	225	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra39825	Oomycete	Phra	Phra_39825	Phra_39825
AA3	618	Phyra40276	561	2.50E-103	89	399	1	540	0.501618123	Phytophthora_ramorum	Phytophthora	AA3_Phyra40276	Oomycete	Phra	Phra_40276	Phra_40276
AA3	618	Phyra40336	560	1.10E-113	86	408	4	548	0.521035599	Phytophthora_ramorum	Phytophthora	AA3_Phyra40336	Oomycete	Phra	Phra_40336	Phra_40336
CBM1	29	Phyra40548	224	0.0000033	7	29	3	25	0.75862069	Phytophthora_ramorum	Phytophthora	CBM1_Phyra40548	Oomycete	Phra	Phra_40548	Phra_40548
CBM1	29	Phyra40548	224	0.00081	3	29	119	143	0.896551724	Phytophthora_ramorum	Phytophthora	CBM1_Phyra40548	Oomycete	Phra	Phra_40548	Phra_40548
GT1	382	Phyra40606	441	1.30E-52	91	375	117	432	0.743454597	Phytophthora_ramorum	Phytophthora	GT1_Phyra40606	Oomycete	Phra	Phra_40606	Phra_40606
GH28	325	Phyra40980	332	6.20E-64	4	317	16	332	0.963076923	Phytophthora_ramorum	Phytophthora	GH28_Phyra40980	Oomycete	Phra	Phra_40980	Phra_40980
CBM43	83	Phyra41489	762	8.00E-16	1	74	615	684	0.879518072	Phytophthora_ramorum	Phytophthora	CBM43_Phyra41489	Oomycete	Phra	Phra_41489	Phra_41489
GH5	275	Phyra41489	762	9.80E-33	29	222	208	483	0.701818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra41489	Oomycete	Phra	Phra_41489	Phra_41489
GH28	325	Phyra41820	343	3.20E-62	5	301	46	343	0.910769231	Phytophthora_ramorum	Phytophthora	GH28_Phyra41820	Oomycete	Phra	Phra_41820	Phra_41820_secreted
GH28	325	Phyra41921	125	4.50E-20	199	317	2	125	0.363076923	Phytophthora_ramorum	Phytophthora	GH28_Phyra41921	Oomycete	Phra	Phra_41921	Phra_41921
PL3	197	Phyra42333	168	1.40E-62	14	180	1	168	0.842639594	Phytophthora_ramorum	Phytophthora	PL3_Phyra42333	Oomycete	Phra	Phra_42333	Phra_42333
PL3	197	Phyra42787	164	1.10E-61	15	177	1	164	0.822335025	Phytophthora_ramorum	Phytophthora	PL3_Phyra42787	Oomycete	Phra	Phra_42787	Phra_42787
PL3	197	Phyra43398	218	4.70E-69	2	196	4	202	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra43398	Oomycete	Phra	Phra_43398	Phra_43398
GT57	481	Phyra43914	193	2.00E-77	2	181	2	193	0.372141372	Phytophthora_ramorum	Phytophthora	GT57_Phyra43914	Oomycete	Phra	Phra_43914	Phra_43914
AA12	401	Phyra44217	268	0.0000061	23	148	74	200	0.311720698	Phytophthora_ramorum	Phytophthora	AA12_Phyra44217	Oomycete	Phra	Phra_44217	Phra_44217
PL3	197	Phyra44445	226	2.20E-69	2	195	4	200	0.979695432	Phytophthora_ramorum	Phytophthora	PL3_Phyra44445	Oomycete	Phra	Phra_44445	Phra_44445
PL3	197	Phyra44446	181	7.00E-66	2	180	2	181	0.9035533	Phytophthora_ramorum	Phytophthora	PL3_Phyra44446	Oomycete	Phra	Phra_44446	Phra_44446
PL3	197	Phyra44483	226	1.40E-67	2	196	4	201	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra44483	Oomycete	Phra	Phra_44483	Phra_44483
PL3	197	Phyra44485	180	1.70E-66	2	180	2	180	0.9035533	Phytophthora_ramorum	Phytophthora	PL3_Phyra44485	Oomycete	Phra	Phra_44485	Phra_44485
PL3	197	Phyra44487	219	9.40E-68	2	196	4	201	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra44487	Oomycete	Phra	Phra_44487	Phra_44487
PL3	197	Phyra44512	223	7.30E-68	2	196	4	202	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra44512	Oomycete	Phra	Phra_44512	Phra_44512
GH47	446	Phyra45104	451	4.20E-116	1	446	12	450	0.997757848	Phytophthora_ramorum	Phytophthora	GH47_Phyra45104	Oomycete	Phra	Phra_45104	Phra_45104
GH47	446	Phyra45108	456	2.60E-115	1	446	12	456	0.997757848	Phytophthora_ramorum	Phytophthora	GH47_Phyra45108	Oomycete	Phra	Phra_45108	Phra_45108
GT58	364	Phyra45645	372	1.10E-136	2	364	3	356	0.994505495	Phytophthora_ramorum	Phytophthora	GT58_Phyra45645	Oomycete	Phra	Phra_45645	Phra_45645
PL1	202	Phyra45942	343	2.90E-42	15	201	109	311	0.920792079	Phytophthora_ramorum	Phytophthora	PL1_Phyra45942	Oomycete	Phra	Phra_45942	Phra_45942
CE1	227	Phyra46206	129	0.000000088	28	138	3	128	0.484581498	Phytophthora_ramorum	Phytophthora	CE1_Phyra46206	Oomycete	Phra	Phra_46206	Phra_46206
PL1	202	Phyra46219	353	3.00E-35	19	201	117	315	0.900990099	Phytophthora_ramorum	Phytophthora	PL1_Phyra46219	Oomycete	Phra	Phra_46219	Phra_46219_secreted
PL3	197	Phyra46251	226	6.70E-71	2	195	4	200	0.979695432	Phytophthora_ramorum	Phytophthora	PL3_Phyra46251	Oomycete	Phra	Phra_46251	Phra_46251
GH38	269	Phyra46268	115	1.40E-38	1	113	2	115	0.416356877	Phytophthora_ramorum	Phytophthora	GH38_Phyra46268	Oomycete	Phra	Phra_46268	Phra_46268
CE1	227	Phyra46705	205	8.40E-09	28	202	3	180	0.766519824	Phytophthora_ramorum	Phytophthora	CE1_Phyra46705	Oomycete	Phra	Phra_46705	Phra_46705
GT33	425	Phyra46727	418	1.70E-159	3	405	2	416	0.945882353	Phytophthora_ramorum	Phytophthora	GT33_Phyra46727	Oomycete	Phra	Phra_46727	Phra_46727
GT4	160	Phyra46978	403	7.20E-18	7	129	190	327	0.7625	Phytophthora_ramorum	Phytophthora	GT4_Phyra46978	Oomycete	Phra	Phra_46978	Phra_46978
CE5	189	Phyra47458	216	9.20E-51	1	184	28	204	0.968253968	Phytophthora_ramorum	Phytophthora	CE5_Phyra47458	Oomycete	Phra	Phra_47458	Phra_47458_secreted
GH5	275	Phyra47638	351	6.10E-30	15	235	34	340	0.8	Phytophthora_ramorum	Phytophthora	GH5_Phyra47638	Oomycete	Phra	Phra_47638	Phra_47638_secreted
GH28	325	Phyra48642	331	2.10E-62	6	317	17	331	0.956923077	Phytophthora_ramorum	Phytophthora	GH28_Phyra48642	Oomycete	Phra	Phra_48642	Phra_48642
GH109	126	Phyra48776	330	0.000002	2	124	6	115	0.968253968	Phytophthora_ramorum	Phytophthora	GH109_Phyra48776	Oomycete	Phra	Phra_48776	Phra_48776
GH12	156	Phyra49047	219	4.50E-43	3	155	71	217	0.974358974	Phytophthora_ramorum	Phytophthora	GH12_Phyra49047	Oomycete	Phra	Phra_49047	Phra_49047
GH47	446	Phyra49663	447	5.30E-136	1	446	13	445	0.997757848	Phytophthora_ramorum	Phytophthora	GH47_Phyra49663	Oomycete	Phra	Phra_49663	Phra_49663
AA4	522	Phyra49765	476	3.00E-21	21	199	23	200	0.340996169	Phytophthora_ramorum	Phytophthora	AA4_Phyra49765	Oomycete	Phra	Phra_49765	Phra_49765
CE1	227	Phyra49991	541	0.0000011	30	153	77	204	0.54185022	Phytophthora_ramorum	Phytophthora	CE1_Phyra49991	Oomycete	Phra	Phra_49991	Phra_49991
GH47	446	Phyra50011	455	2.70E-133	1	446	14	455	0.997757848	Phytophthora_ramorum	Phytophthora	GH47_Phyra50011	Oomycete	Phra	Phra_50011	Phra_50011
CE14	124	Phyra50941	216	1.10E-13	1	123	1	118	0.983870968	Phytophthora_ramorum	Phytophthora	CE14_Phyra50941	Oomycete	Phra	Phra_50941	Phra_50941
AA2	255	Phyra51170	124	5.20E-23	13	111	25	124	0.384313726	Phytophthora_ramorum	Phytophthora	AA2_Phyra51170	Oomycete	Phra	Phra_51170	Phra_51170
GH114	190	Phyra51731	230	2.80E-77	1	190	9	198	0.994736842	Phytophthora_ramorum	Phytophthora	GH114_Phyra51731	Oomycete	Phra	Phra_51731	Phra_51731
GH30	417	Phyra51732	492	3.70E-110	13	413	49	492	0.959232614	Phytophthora_ramorum	Phytophthora	GH30_Phyra51732	Oomycete	Phra	Phra_51732	Phra_51732
GH30	417	Phyra51749	538	2.60E-111	9	416	84	534	0.976019185	Phytophthora_ramorum	Phytophthora	GH30_Phyra51749	Oomycete	Phra	Phra_51749	Phra_51749_secreted
GH30	417	Phyra51757	538	2.60E-111	9	416	84	534	0.976019185	Phytophthora_ramorum	Phytophthora	GH30_Phyra51757	Oomycete	Phra	Phra_51757	Phra_51757_secreted
AA6	195	Phyra51797	199	2.20E-83	2	195	4	197	0.98974359	Phytophthora_ramorum	Phytophthora	AA6_Phyra51797	Oomycete	Phra	Phra_51797	Phra_51797
GH30	417	Phyra52439	528	1.50E-114	10	416	71	518	0.973621103	Phytophthora_ramorum	Phytophthora	GH30_Phyra52439	Oomycete	Phra	Phra_52439	Phra_52439
GH12	156	Phyra52767	226	1.20E-45	2	156	77	225	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra52767	Oomycete	Phra	Phra_52767	Phra_52767
GH1	429	Phyra52810	446	1.50E-129	6	406	1	446	0.932400932	Phytophthora_ramorum	Phytophthora	GH1_Phyra52810	Oomycete	Phra	Phra_52810	Phra_52810
GH7	415	Phyra53490	452	2.10E-174	1	413	12	452	0.992771084	Phytophthora_ramorum	Phytophthora	GH7_Phyra53490	Oomycete	Phra	Phra_53490	Phra_53490
GH5	275	Phyra53735	367	1.30E-39	28	240	67	352	0.770909091	Phytophthora_ramorum	Phytophthora	GH5_Phyra53735	Oomycete	Phra	Phra_53735	Phra_53735
GH47	446	Phyra53914	452	1.30E-135	1	446	8	452	0.997757848	Phytophthora_ramorum	Phytophthora	GH47_Phyra53914	Oomycete	Phra	Phra_53914	Phra_53914
GH28	325	Phyra54493	364	5.70E-66	6	317	49	364	0.956923077	Phytophthora_ramorum	Phytophthora	GH28_Phyra54493	Oomycete	Phra	Phra_54493	Phra_54493_secreted
GH28	325	Phyra54527	330	4.30E-63	6	309	16	320	0.932307692	Phytophthora_ramorum	Phytophthora	GH28_Phyra54527	Oomycete	Phra	Phra_54527	Phra_54527
AA4	522	Phyra71081	491	5.00E-21	53	249	71	258	0.375478927	Phytophthora_ramorum	Phytophthora	AA4_Phyra71081	Oomycete	Phra	Phra_71081	Phra_71081
GH1	429	Phyra71118	484	3.00E-168	2	428	4	471	0.993006993	Phytophthora_ramorum	Phytophthora					

CE8	288	Phyra71191	315	8.10E-74	3	273	12	291	0.9375	Phytophthora_ramorum	Phytophthora	CE8_Phyra71191	Oomycete	Phra	Phra_71191	Phra_71191
CE10	341	Phyra71277	748	6.10E-09	44	278	446	679	0.686217009	Phytophthora_ramorum	Phytophthora	CE10_Phyra71277	Oomycete	Phra	Phra_71277	Phra_71277
GH19	231	Phyra71328	245	3.60E-66	7	231	40	243	0.96969697	Phytophthora_ramorum	Phytophthora	GH19_Phyra71328	Oomycete	Phra	Phra_71328	Phra_71328
GH7	415	Phyra71345	471	3.20E-179	1	414	33	471	0.995180723	Phytophthora_ramorum	Phytophthora	GH7_Phyra71345	Oomycete	Phra	Phra_71345	Phra_71345
CBM43	83	Phyra71348	567	3.10E-16	2	75	434	505	0.879518072	Phytophthora_ramorum	Phytophthora	CBM43_Phyra71348	Oomycete	Phra	Phra_71348	Phra_71348
GH5	275	Phyra71348	567	9.90E-32	27	219	18	295	0.698181818	Phytophthora_ramorum	Phytophthora	GH5_Phyra71348	Oomycete	Phra	Phra_71348	Phra_71348
GT20	475	Phyra71457	504	3.60E-190	17	471	1	468	0.955789474	Phytophthora_ramorum	Phytophthora	GT20_Phyra71457	Oomycete	Phra	Phra_71457	Phra_71457
GH3	216	Phyra71466	660	5.30E-57	12	202	2	202	0.87962963	Phytophthora_ramorum	Phytophthora	GH3_Phyra71466	Oomycete	Phra	Phra_71466	Phra_71466
GT2	168	Phyra71470	240	9.50E-43	1	168	8	178	0.994047619	Phytophthora_ramorum	Phytophthora	GT2_Phyra71470	Oomycete	Phra	Phra_71470	Phra_71470
CE11	271	Phyra71585	308	1.00E-79	1	270	4	299	0.992619926	Phytophthora_ramorum	Phytophthora	CE11_Phyra71585	Oomycete	Phra	Phra_71585	Phra_71585
GH109	126	Phyra71601	347	0.000000026	69	118	62	111	0.388888889	Phytophthora_ramorum	Phytophthora	GH109_Phyra71601	Oomycete	Phra	Phra_71601	Phra_71601
CE5	189	Phyra71624	224	5.30E-51	1	186	28	206	0.978835979	Phytophthora_ramorum	Phytophthora	CE5_Phyra71624	Oomycete	Phra	Phra_71624	Phra_71624_secreted
GH43	248	Phyra71648	342	2.50E-44	7	247	35	333	0.967741936	Phytophthora_ramorum	Phytophthora	GH43_Phyra71648	Oomycete	Phra	Phra_71648	Phra_71648
GT22	389	Phyra71676	587	1.20E-90	2	389	40	465	0.994858612	Phytophthora_ramorum	Phytophthora	GT22_Phyra71676	Oomycete	Phra	Phra_71676	Phra_71676
GH5	275	Phyra71733	373	2.10E-37	14	240	57	353	0.821818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra71733	Oomycete	Phra	Phra_71733	Phra_71733
CE4	130	Phyra71737	308	1.80E-11	24	116	82	173	0.707692308	Phytophthora_ramorum	Phytophthora	CE4_Phyra71737	Oomycete	Phra	Phra_71737	Phra_71737
CE1	227	Phyra71745	282	2.30E-47	1	225	21	278	0.986784141	Phytophthora_ramorum	Phytophthora	CE1_Phyra71745	Oomycete	Phra	Phra_71745	Phra_71745
PL3	197	Phyra71773	231	1.90E-72	2	196	8	203	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra71773	Oomycete	Phra	Phra_71773	Phra_71773
AA4	522	Phyra71801	499	1.10E-19	48	237	69	251	0.362068966	Phytophthora_ramorum	Phytophthora	AA4_Phyra71801	Oomycete	Phra	Phra_71801	Phra_71801
CE8	288	Phyra71818	348	4.00E-69	9	274	49	325	0.920138889	Phytophthora_ramorum	Phytophthora	CE8_Phyra71818	Oomycete	Phra	Phra_71818	Phra_71818_secreted
GH109	126	Phyra71842	345	2.80E-13	2	117	6	112	0.912698413	Phytophthora_ramorum	Phytophthora	GH109_Phyra71842	Oomycete	Phra	Phra_71842	Phra_71842
AA6	195	Phyra71949	200	1.10E-84	1	195	3	197	0.994871795	Phytophthora_ramorum	Phytophthora	AA6_Phyra71949	Oomycete	Phra	Phra_71949	Phra_71949
AA6	195	Phyra71950	200	2.00E-84	1	195	3	197	0.994871795	Phytophthora_ramorum	Phytophthora	AA6_Phyra71950	Oomycete	Phra	Phra_71950	Phra_71950
AA6	195	Phyra71993	201	2.00E-77	2	195	5	198	0.98974359	Phytophthora_ramorum	Phytophthora	AA6_Phyra71993	Oomycete	Phra	Phra_71993	Phra_71993
AA6	195	Phyra71996	200	9.10E-80	2	195	4	197	0.98974359	Phytophthora_ramorum	Phytophthora	AA6_Phyra71996	Oomycete	Phra	Phra_71996	Phra_71996
CE8	288	Phyra72026	343	2.90E-75	2	274	39	320	0.944444444	Phytophthora_ramorum	Phytophthora	CE8_Phyra72026	Oomycete	Phra	Phra_72026	Phra_72026_secreted
GH12	156	Phyra72030	229	4.70E-46	2	156	80	228	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra72030	Oomycete	Phra	Phra_72030	Phra_72030
CE10	341	Phyra72046	550	3.70E-28	75	183	93	218	0.316715543	Phytophthora_ramorum	Phytophthora	CE10_Phyra72046	Oomycete	Phra	Phra_72046	Phra_72046
GH7	415	Phyra72059	460	5.80E-144	1	414	26	460	0.995180723	Phytophthora_ramorum	Phytophthora	GH7_Phyra72059	Oomycete	Phra	Phra_72059	Phra_72059_secreted
GH7	415	Phyra72061	487	1.10E-165	1	399	7	433	0.959036145	Phytophthora_ramorum	Phytophthora	GH7_Phyra72061	Oomycete	Phra	Phra_72061	Phra_72061
GH12	156	Phyra72080	242	2.30E-42	2	156	91	239	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra72080	Oomycete	Phra	Phra_72080	Phra_72080_secreted
GH12	156	Phyra72081	240	5.00E-41	2	156	91	239	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra72081	Oomycete	Phra	Phra_72081	Phra_72081_secreted
GH28	325	Phyra72130	367	5.30E-58	6	280	72	349	0.843076923	Phytophthora_ramorum	Phytophthora	GH28_Phyra72130	Oomycete	Phra	Phra_72130	Phra_72130_secreted
GH28	325	Phyra72132	381	1.80E-67	6	309	66	370	0.932307692	Phytophthora_ramorum	Phytophthora	GH28_Phyra72132	Oomycete	Phra	Phra_72132	Phra_72132_secreted
GH28	325	Phyra72133	382	1.60E-63	6	308	67	370	0.929230769	Phytophthora_ramorum	Phytophthora	GH28_Phyra72133	Oomycete	Phra	Phra_72133	Phra_72133
GH28	325	Phyra72134	361	5.60E-68	5	317	45	361	0.96	Phytophthora_ramorum	Phytophthora	GH28_Phyra72134	Oomycete	Phra	Phra_72134	Phra_72134_secreted
GH28	325	Phyra72135	361	1.20E-64	5	317	46	361	0.96	Phytophthora_ramorum	Phytophthora	GH28_Phyra72135	Oomycete	Phra	Phra_72135	Phra_72135_secreted
GH54	316	Phyra72148	356	4.00E-134	2	314	21	329	0.987341772	Phytophthora_ramorum	Phytophthora	GH54_Phyra72148	Oomycete	Phra	Phra_72148	Phra_72148_secreted
CE8	288	Phyra72192	343	1.40E-72	9	270	48	316	0.90625	Phytophthora_ramorum	Phytophthora	CE8_Phyra72192	Oomycete	Phra	Phra_72192	Phra_72192_secreted
GH17	311	Phyra72319	395	1.10E-26	10	304	45	304	0.945337621	Phytophthora_ramorum	Phytophthora	GH17_Phyra72319	Oomycete	Phra	Phra_72319	Phra_72319_secreted
CE8	288	Phyra72340	320	1.40E-73	3	273	17	296	0.9375	Phytophthora_ramorum	Phytophthora	CE8_Phyra72340	Oomycete	Phra	Phra_72340	Phra_72340
CE8	288	Phyra72362	348	4.00E-69	9	274	49	325	0.920138889	Phytophthora_ramorum	Phytophthora	CE8_Phyra72362	Oomycete	Phra	Phra_72362	Phra_72362_secreted
PL4	567	Phyra72397	541	9.90E-104	3	563	20	526	0.987654321	Phytophthora_ramorum	Phytophthora	PL4_Phyra72397	Oomycete	Phra	Phra_72397	Phra_72397_secreted
AA6	195	Phyra72407	199	6.90E-76	1	195	3	196	0.994871795	Phytophthora_ramorum	Phytophthora	AA6_Phyra72407	Oomycete	Phra	Phra_72407	Phra_72407
CE8	288	Phyra72489	348	3.90E-71	9	275	49	326	0.923611111	Phytophthora_ramorum	Phytophthora	CE8_Phyra72489	Oomycete	Phra	Phra_72489	Phra_72489_secreted
CE8	288	Phyra72490	348	4.00E-69	9	274	49	325	0.920138889	Phytophthora_ramorum	Phytophthora	CE8_Phyra72490	Oomycete	Phra	Phra_72490	Phra_72490_secreted
GH17	311	Phyra72578	404	6.60E-24	11	306	43	297	0.948553055	Phytophthora_ramorum	Phytophthora	GH17_Phyra72578	Oomycete	Phra	Phra_72578	Phra_72578_secreted
GT4	160	Phyra72636	1564	1.80E-38	11	148	1368	1517	0.85625	Phytophthora_ramorum	Phytophthora	GT4_Phyra72636	Oomycete	Phra	Phra_72636	Phra_72636
CE1	227	Phyra72695	654	8.40E-13	17	198	38	299	0.797356828	Phytophthora_ramorum	Phytophthora	CE1_Phyra72695	Oomycete	Phra	Phra_72695	Phra_72695
CE1	227	Phyra72695	654	1.40E-11	18	143	389	588	0.550660793	Phytophthora_ramorum	Phytophthora	CE1_Phyra72695	Oomycete	Phra	Phra_72695	Phra_72695
CE1	227	Phyra72696	322	0.000000021	25	143	48	201	0.519823789	Phytophthora_ramorum	Phytophthora	CE1_Phyra72696	Oomycete	Phra	Phra_72696	Phra_72696
GT66	693	Phyra72878	884	5.10E-171	11	606	63	696	0.858585859	Phytophthora_ramorum	Phytophthora	GT66_Phyra72878	Oomycete	Phra	Phra_72878	Phra_72878
CE7	313	Phyra72924	530	1.80E-10	156	299	143	288	0.45686901	Phytophthora_ramorum	Phytophthora	CE7_Phyra72924	Oomycete	Phra	Phra_72924	Phra_72924
CBM13	188	Phyra72937	240	1.00E-18	14	136	118	237	0.64893617	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72937	Oomycete	Phra	Phra_72937	Phra_72937
CBM13	188	Phyra72940	302	1.30E-17	8	135	174	298	0.675531915	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72940	Oomycete	Phra	Phra_72940	Phra_72940
CBM13	188	Phyra72941	443	2.70E-18	8	136	315	440	0.680851064	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72941	Oomycete	Phra	Phra_72941	Phra_72941_secreted
GH17	311	Phyra72941	443	2.20E-22	12	306	46	300	0.945337621	Phytophthora_ramorum	Phytophthora	GH17_Phyra72941	Oomycete	Phra	Phra_72941	Phra_72941_secreted
CBM13	188	Phyra72942	712	2.80E-17	35	143	483	590	0.574468085	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72942	Oomycete	Phra	Phra_72942	Phra_72942_secreted
CBM13	188	Phyra72942	712	1.40E-16	8	137	315	441	0.686170213	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72942	Oomycete	Phra	Phra_72942	Phra_72942_secreted
CBM13	188	Phyra72942	712	0.000000001	14	129	596	705	0.611702128	Phytophthora_ramorum	Phytophthora	CBM13_Phyra72942	Oomycete	Phra	Phra_72942	Phra_72942_secreted
GH17	311	Phyra72942	712	6.70E-22	12	306	46	300	0.945337621	Phytophthora_ramorum	Phytophthora	GH17_Phyra72942	Oomycete	Phra	Phra_72942	Phra_72942_secreted
GT4	160	Phyra72993	491	6.30E-27	6	153	285	444	0.91875	Phytophthora_ramorum	Phytophthora	GT4_Phyra72993	Oomycete	Phra	Phra_72993	Phra_72993
AA2	255	Phyra73140	687	2.60E-25	27	251	458	678	0.878431373	Phytophthora_ramorum	Phytophthora	AA2_Phyra73140	Oomycete	Phra	Phra_73140	Phra_73140_secreted
AA2	255	Phyra73140	687	4.50E-23	14	126	74	188	0.439215686	Phytophthora_ramorum	Phytophthora	AA2_Phyra73140	Oomycete	Phra	Phra_73140	Phra_73140_secreted
AA2	255	Phyra73141	438	2.10E-23	14	126	74	188	0.439215686	Phytophthora_ramorum	Phytophthora	AA2_Phyra73141	Oomycete	Phra	Phra_73141	Phra_73141_secreted
AA4	522	Phyra73155	486	3.00E-17	46	248	60	253	0.38697318	Phytophthora_ramorum	Phytophthora	AA4_Phyra73155	Oomycete	Phra	Phra_73155	Phra_73155
GH13	299	Phyra73177	885	4.90E-20	22	258	443	756	0.789297659	Phytophthora_ramorum	Phytophthora	GH13_Phyra73177	Oomycete	Phra	Phra_73177	Phra_73177_secreted
AA7	458	Phyra73217	574	1.10E-11	5	185	88	276	0.3930131	Phytophthora_ramorum	Phytophthora	AA7_Phyra73217	Oomycete	Phra	Phra_73217	Phra_73217
GH31	427	Phyra73317	1020	3.20E-144	2	427	405	878	0.995316159	Phytophthora_ramorum	Phytophthora	GH31_Phyra73317	Oomycete	Phra	Phra_73317	Phra_73317_secreted

GH3	216	Phyra73438	666	9.60E-49	48	213	1	199	0.763888889	Phytophthora_ramorum	Phytophthora	GH3_Phyra73438	Oomycete	Phra	Phra_73438	Phra_73438
GH3	216	Phyra73439	811	6.60E-60	4	213	73	319	0.967592593	Phytophthora_ramorum	Phytophthora	GH3_Phyra73439	Oomycete	Phra	Phra_73439	Phra_73439
GH3	216	Phyra73446	666	6.40E-50	48	213	1	199	0.763888889	Phytophthora_ramorum	Phytophthora	GH3_Phyra73446	Oomycete	Phra	Phra_73446	Phra_73446
CE10	341	Phyra73561	530	3.70E-20	56	186	87	232	0.381231672	Phytophthora_ramorum	Phytophthora	CE10_Phyra73561	Oomycete	Phra	Phra_73561	Phra_73561_secreted
CE13	355	Phyra73609	417	3.20E-29	26	203	75	270	0.498591549	Phytophthora_ramorum	Phytophthora	CE13_Phyra73609	Oomycete	Phra	Phra_73609	Phra_73609_secreted
GT71	264	Phyra73611	881	1.80E-55	1	264	510	745	0.996212121	Phytophthora_ramorum	Phytophthora	GT71_Phyra73611	Oomycete	Phra	Phra_73611	Phra_73611
GT71	264	Phyra73613	663	2.30E-48	2	264	267	501	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73613	Oomycete	Phra	Phra_73613	Phra_73613
GT71	264	Phyra73614	652	2.80E-47	2	264	256	490	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73614	Oomycete	Phra	Phra_73614	Phra_73614
GT71	264	Phyra73615	746	1.80E-51	2	264	351	585	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73615	Oomycete	Phra	Phra_73615	Phra_73615
GT71	264	Phyra73616	1707	5.60E-49	2	264	1311	1544	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73616	Oomycete	Phra	Phra_73616	Phra_73616
GT71	264	Phyra73619	1769	5.60E-49	2	264	1417	1649	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73619	Oomycete	Phra	Phra_73619	Phra_73619
GT71	264	Phyra73619	1769	1.30E-47	2	264	194	428	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73619	Oomycete	Phra	Phra_73619	Phra_73619
GT71	264	Phyra73619	1769	1.30E-47	2	264	800	1034	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73619	Oomycete	Phra	Phra_73619	Phra_73619
GT71	264	Phyra73621	336	1.30E-51	2	264	57	291	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73621	Oomycete	Phra	Phra_73621	Phra_73621
GT71	264	Phyra73622	493	1.40E-42	2	257	111	375	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra73622	Oomycete	Phra	Phra_73622	Phra_73622
GT71	264	Phyra73623	487	1.70E-43	2	257	96	360	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra73623	Oomycete	Phra	Phra_73623	Phra_73623
GT71	264	Phyra73624	188	4.10E-39	73	249	31	183	0.666666667	Phytophthora_ramorum	Phytophthora	GT71_Phyra73624	Oomycete	Phra	Phra_73624	Phra_73624
GT71	264	Phyra73625	533	1.00E-49	2	264	188	421	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73625	Oomycete	Phra	Phra_73625	Phra_73625
GT71	264	Phyra73626	553	2.10E-44	2	264	205	437	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73626	Oomycete	Phra	Phra_73626	Phra_73626
GT71	264	Phyra73627	611	1.10E-50	2	264	212	445	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73627	Oomycete	Phra	Phra_73627	Phra_73627
GT71	264	Phyra73628	414	7.60E-51	2	264	55	289	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73628	Oomycete	Phra	Phra_73628	Phra_73628
GT71	264	Phyra73629	581	6.10E-44	2	264	237	469	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73629	Oomycete	Phra	Phra_73629	Phra_73629
GT71	264	Phyra73630	611	2.70E-52	2	264	218	452	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra73630	Oomycete	Phra	Phra_73630	Phra_73630
GH1	429	Phyra73653	475	5.30E-175	4	428	6	472	0.988344988	Phytophthora_ramorum	Phytophthora	GH1_Phyra73653	Oomycete	Phra	Phra_73653	Phra_73653
GT20	475	Phyra73809	799	1.40E-143	14	473	23	517	0.96631579	Phytophthora_ramorum	Phytophthora	GT20_Phyra73809	Oomycete	Phra	Phra_73809	Phra_73809
GH78	504	Phyra73895	850	2.70E-61	98	502	388	821	0.801587302	Phytophthora_ramorum	Phytophthora	GH78_Phyra73895	Oomycete	Phra	Phra_73895	Phra_73895_secreted
GH78	504	Phyra73896	814	5.20E-48	269	501	540	786	0.46031746	Phytophthora_ramorum	Phytophthora	GH78_Phyra73896	Oomycete	Phra	Phra_73896	Phra_73896_secreted
GT31	192	Phyra74029	347	8.90E-13	59	190	104	257	0.682291667	Phytophthora_ramorum	Phytophthora	GT31_Phyra74029	Oomycete	Phra	Phra_74029	Phra_74029_secreted
GT50	262	Phyra74092	448	0.00000065	11	227	170	390	0.824427481	Phytophthora_ramorum	Phytophthora	GT50_Phyra74092	Oomycete	Phra	Phra_74092	Phra_74092
CE1	227	Phyra74146	350	0.0000012	90	223	134	338	0.585903084	Phytophthora_ramorum	Phytophthora	CE1_Phyra74146	Oomycete	Phra	Phra_74146	Phra_74146
GH3	216	Phyra74163	516	1.20E-27	4	104	115	215	0.462962963	Phytophthora_ramorum	Phytophthora	GH3_Phyra74163	Oomycete	Phra	Phra_74163	Phra_74163
CE10	341	Phyra74165	425	4.60E-36	84	337	156	409	0.741935484	Phytophthora_ramorum	Phytophthora	CE10_Phyra74165	Oomycete	Phra	Phra_74165	Phra_74165
CBM1	29	Phyra74236	240	3.00E-13	1	29	201	229	0.965517241	Phytophthora_ramorum	Phytophthora	CBM1_Phyra74236	Oomycete	Phra	Phra_74236	Phra_74236_secreted
CBM1	29	Phyra74236	240	6.40E-10	2	29	71	98	0.931034483	Phytophthora_ramorum	Phytophthora	CBM1_Phyra74236	Oomycete	Phra	Phra_74236	Phra_74236_secreted
CBM1	29	Phyra74236	240	0.0000073	15	29	173	187	0.482758621	Phytophthora_ramorum	Phytophthora	CBM1_Phyra74236	Oomycete	Phra	Phra_74236	Phra_74236_secreted
CBM1	29	Phyra74242	126	8.00E-10	2	28	81	107	0.896551724	Phytophthora_ramorum	Phytophthora	CBM1_Phyra74242	Oomycete	Phra	Phra_74242	Phra_74242_secreted
CBM1	29	Phyra74243	256	0.00000019	2	28	88	115	0.896551724	Phytophthora_ramorum	Phytophthora	CBM1_Phyra74243	Oomycete	Phra	Phra_74243	Phra_74243_secreted
GH17	311	Phyra74255	561	2.40E-20	2	306	29	283	0.977491961	Phytophthora_ramorum	Phytophthora	GH17_Phyra74255	Oomycete	Phra	Phra_74255	Phra_74255_secreted
GH17	311	Phyra74256	454	6.00E-23	2	306	28	282	0.977491961	Phytophthora_ramorum	Phytophthora	GH17_Phyra74256	Oomycete	Phra	Phra_74256	Phra_74256_secreted
GH17	311	Phyra74257	917	1.70E-21	1	306	529	785	0.980707396	Phytophthora_ramorum	Phytophthora	GH17_Phyra74257	Oomycete	Phra	Phra_74257	Phra_74257_secreted
GH17	311	Phyra74257	917	4.30E-17	2	303	27	280	0.967845659	Phytophthora_ramorum	Phytophthora	GH17_Phyra74257	Oomycete	Phra	Phra_74257	Phra_74257_secreted
GH17	311	Phyra74264	288	1.90E-16	2	306	29	284	0.977491961	Phytophthora_ramorum	Phytophthora	GH17_Phyra74264	Oomycete	Phra	Phra_74264	Phra_74264
GH17	311	Phyra74265	288	3.40E-15	19	306	46	284	0.922829582	Phytophthora_ramorum	Phytophthora	GH17_Phyra74265	Oomycete	Phra	Phra_74265	Phra_74265_secreted
GH17	311	Phyra74266	244	1.00E-10	2	251	26	228	0.800643087	Phytophthora_ramorum	Phytophthora	GH17_Phyra74266	Oomycete	Phra	Phra_74266	Phra_74266_secreted
GH17	311	Phyra74267	295	3.90E-20	2	306	26	280	0.977491961	Phytophthora_ramorum	Phytophthora	GH17_Phyra74267	Oomycete	Phra	Phra_74267	Phra_74267_secreted
GH10	303	Phyra74308	524	1.80E-88	4	289	34	329	0.940594059	Phytophthora_ramorum	Phytophthora	GH10_Phyra74308	Oomycete	Phra	Phra_74308	Phra_74308_secreted
GH10	303	Phyra74319	391	3.70E-91	4	295	35	334	0.96039604	Phytophthora_ramorum	Phytophthora	GH10_Phyra74319	Oomycete	Phra	Phra_74319	Phra_74319_secreted
CE8	288	Phyra74392	343	9.40E-75	3	273	40	319	0.9375	Phytophthora_ramorum	Phytophthora	CE8_Phyra74392	Oomycete	Phra	Phra_74392	Phra_74392_secreted
GT41	705	Phyra74404	773	2.20E-56	138	513	317	720	0.531914894	Phytophthora_ramorum	Phytophthora	GT41_Phyra74404	Oomycete	Phra	Phra_74404	Phra_74404_secreted
GT8	257	Phyra74432	520	8.30E-28	37	246	51	268	0.813229572	Phytophthora_ramorum	Phytophthora	GT8_Phyra74432	Oomycete	Phra	Phra_74432	Phra_74432
CE1	227	Phyra74448	808	0.000001	100	216	666	794	0.511013216	Phytophthora_ramorum	Phytophthora	CE1_Phyra74448	Oomycete	Phra	Phra_74448	Phra_74448
CE10	341	Phyra74448	808	2.80E-09	80	210	565	714	0.381231672	Phytophthora_ramorum	Phytophthora	CE10_Phyra74448	Oomycete	Phra	Phra_74448	Phra_74448
GH81	622	Phyra74498	754	1.30E-169	16	621	77	747	0.97266881	Phytophthora_ramorum	Phytophthora	GH81_Phyra74498	Oomycete	Phra	Phra_74498	Phra_74498_secreted
GH81	622	Phyra74531	795	2.20E-182	14	621	115	788	0.975884244	Phytophthora_ramorum	Phytophthora	GH81_Phyra74531	Oomycete	Phra	Phra_74531	Phra_74531_secreted
GH81	622	Phyra74534	795	2.80E-182	13	621	114	788	0.977491961	Phytophthora_ramorum	Phytophthora	GH81_Phyra74534	Oomycete	Phra	Phra_74534	Phra_74534_secreted
CE1	227	Phyra74557	527	1.10E-16	8	178	196	464	0.748898678	Phytophthora_ramorum	Phytophthora	CE1_Phyra74557	Oomycete	Phra	Phra_74557	Phra_74557
GT71	264	Phyra74794	774	2.30E-41	2	247	91	341	0.928030303	Phytophthora_ramorum	Phytophthora	GT71_Phyra74794	Oomycete	Phra	Phra_74794	Phra_74794
GT62	268	Phyra74802	1277	4.10E-26	41	249	3	188	0.776119403	Phytophthora_ramorum	Phytophthora	GT62_Phyra74802	Oomycete	Phra	Phra_74802	Phra_74802
GT71	264	Phyra74803	499	4.70E-45	2	257	110	375	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra74803	Oomycete	Phra	Phra_74803	Phra_74803
GT71	264	Phyra74804	377	7.30E-45	2	257	40	303	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra74804	Oomycete	Phra	Phra_74804	Phra_74804
GT32	90	Phyra74805	328	4.10E-17	5	89	71	149	0.933333333	Phytophthora_ramorum	Phytophthora	GT32_Phyra74805	Oomycete	Phra	Phra_74805	Phra_74805_secreted
PL3	197	Phyra74820	252	2.50E-65	2	186	25	211	0.934010152	Phytophthora_ramorum	Phytophthora	PL3_Phyra74820	Oomycete	Phra	Phra_74820	Phra_74820_secreted
PL3	197	Phyra74998	262	3.80E-70	2	196	38	233	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra74998	Oomycete	Phra	Phra_74998	Phra_74998_secreted
CE5	189	Phyra74999	217	5.90E-51	1	186	27	205	0.978835979	Phytophthora_ramorum	Phytophthora	CE5_Phyra74999	Oomycete	Phra	Phra_74999	Phra_74999_secreted
PL1	202	Phyra75225	453	1.60E-38	21	201	122	317	0.891089109	Phytophthora_ramorum	Phytophthora	PL1_Phyra75225	Oomycete	Phra	Phra_75225	Phra_75225_secreted
PL1	202	Phyra75226	450	1.00E-38	20	201	121	317	0.896039604	Phytophthora_ramorum	Phytophthora	PL1_Phyra75226	Oomycete	Phra	Phra_75226	Phra_75226_secreted
PL1	202	Phyra75227	440	9.50E-38	21	201	122	318	0.891089109	Phytophthora_ramorum	Phytophthora	PL1_Phyra75227	Oomycete	Phra	Phra_75227	Phra_75227_secreted
GH43	248	Phyra75228	322	2.80E-43	8	247	30	320	0.963709677	Phytophthora_ramorum	Phytophthora	GH43_Phyra75228	Oomycete	Phra	Phra_75228	Phra_75228_secreted
GH43	248	Phyra75229	322	2.50E-44	12	247	34	320	0.947580645</							

GH43	248	Phyra75232	322	2.80E-43	8	247	30	320	0.963709677	Phytophthora_ramorum	Phytophthora	GH43_Phyra75232	Oomycete	Phra	Phra_75232	Phra_75232_secreted
GH43	248	Phyra75236	293	2.10E-39	1	213	20	284	0.85483871	Phytophthora_ramorum	Phytophthora	GH43_Phyra75236	Oomycete	Phra	Phra_75236	Phra_75236_secreted
GH43	248	Phyra75237	322	2.00E-43	1	247	21	320	0.991935484	Phytophthora_ramorum	Phytophthora	GH43_Phyra75237	Oomycete	Phra	Phra_75237	Phra_75237_secreted
GH43	248	Phyra75238	322	6.00E-42	7	247	28	320	0.967741936	Phytophthora_ramorum	Phytophthora	GH43_Phyra75238	Oomycete	Phra	Phra_75238	Phra_75238_secreted
GT45	115	Phyra75245	541	0.00039	30	98	198	268	0.591304348	Phytophthora_ramorum	Phytophthora	GT45_Phyra75245	Oomycete	Phra	Phra_75245	Phra_75245
GH81	622	Phyra75292	756	8.20E-159	9	622	38	746	0.985530547	Phytophthora_ramorum	Phytophthora	GH81_Phyra75292	Oomycete	Phra	Phra_75292	Phra_75292
CE10	341	Phyra75381	566	7.10E-45	67	309	203	503	0.709677419	Phytophthora_ramorum	Phytophthora	CE10_Phyra75381	Oomycete	Phra	Phra_75381	Phra_75381
CE2	209	Phyra75509	2053	4.30E-49	1	209	1170	1382	0.995215311	Phytophthora_ramorum	Phytophthora	CE2_Phyra75509	Oomycete	Phra	Phra_75509	Phra_75509
GT41	705	Phyra75562	1012	7.60E-89	464	703	472	719	0.339007092	Phytophthora_ramorum	Phytophthora	GT41_Phyra75562	Oomycete	Phra	Phra_75562	Phra_75562
GT41	705	Phyra75562	1012	1.30E-68	325	543	731	952	0.309219858	Phytophthora_ramorum	Phytophthora	GT41_Phyra75562	Oomycete	Phra	Phra_75562	Phra_75562
CBM24	76	Phyra75781	235	0.00035	6	30	209	233	0.315789474	Phytophthora_ramorum	Phytophthora	CBM24_Phyra75781	Oomycete	Phra	Phra_75781	Phra_75781_secreted
GT71	264	Phyra75792	496	1.00E-45	2	257	112	377	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra75792	Oomycete	Phra	Phra_75792	Phra_75792
GT1	382	Phyra75924	618	4.60E-22	86	381	184	537	0.772251309	Phytophthora_ramorum	Phytophthora	GT1_Phyra75924	Oomycete	Phra	Phra_75924	Phra_75924
GH16	189	Phyra75961	698	7.90E-11	122	189	406	536	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra75961	Oomycete	Phra	Phra_75961	Phra_75961
GH16	189	Phyra75961	698	0.000000065	4	91	40	195	0.46031746	Phytophthora_ramorum	Phytophthora	GH16_Phyra75961	Oomycete	Phra	Phra_75961	Phra_75961
GH6	294	Phyra75965	486	5.00E-61	13	288	44	297	0.93537415	Phytophthora_ramorum	Phytophthora	GH6_Phyra75965	Oomycete	Phra	Phra_75965	Phra_75965_secreted
GH6	294	Phyra75966	481	1.70E-57	13	289	40	293	0.93877551	Phytophthora_ramorum	Phytophthora	GH6_Phyra75966	Oomycete	Phra	Phra_75966	Phra_75966_secreted
GH6	294	Phyra75967	432	1.30E-60	10	288	41	297	0.945578231	Phytophthora_ramorum	Phytophthora	GH6_Phyra75967	Oomycete	Phra	Phra_75967	Phra_75967_secreted
GH6	294	Phyra75969	464	1.90E-57	12	289	38	293	0.942176871	Phytophthora_ramorum	Phytophthora	GH6_Phyra75969	Oomycete	Phra	Phra_75969	Phra_75969_secreted
GH6	294	Phyra75973	372	2.80E-57	11	290	35	296	0.948979592	Phytophthora_ramorum	Phytophthora	GH6_Phyra75973	Oomycete	Phra	Phra_75973	Phra_75973_secreted
GH109	126	Phyra75994	390	0.0000072	3	111	30	140	0.857142857	Phytophthora_ramorum	Phytophthora	GH109_Phyra75994	Oomycete	Phra	Phra_75994	Phra_75994
GT48	739	Phyra76056	2059	6.60E-279	3	711	1147	1873	0.958051421	Phytophthora_ramorum	Phytophthora	GT48_Phyra76056	Oomycete	Phra	Phra_76056	Phra_76056
GT48	739	Phyra76057	2041	5.30E-281	3	707	1129	1851	0.952638701	Phytophthora_ramorum	Phytophthora	GT48_Phyra76057	Oomycete	Phra	Phra_76057	Phra_76057
GH72	312	Phyra76099	582	7.00E-74	7	310	29	378	0.971153846	Phytophthora_ramorum	Phytophthora	GH72_Phyra76099	Oomycete	Phra	Phra_76099	Phra_76099
GH3	216	Phyra76113	764	2.30E-60	5	201	63	269	0.907407407	Phytophthora_ramorum	Phytophthora	GH3_Phyra76113	Oomycete	Phra	Phra_76113	Phra_76113
GH30	417	Phyra76159	493	2.30E-61	11	416	22	488	0.971223022	Phytophthora_ramorum	Phytophthora	GH30_Phyra76159	Oomycete	Phra	Phra_76159	Phra_76159_secreted
GH30	417	Phyra76160	495	1.60E-64	11	415	20	489	0.96882494	Phytophthora_ramorum	Phytophthora	GH30_Phyra76160	Oomycete	Phra	Phra_76160	Phra_76160_secreted
GT48	739	Phyra76180	2640	6.10E-261	3	699	1660	2322	0.941813261	Phytophthora_ramorum	Phytophthora	GT48_Phyra76180	Oomycete	Phra	Phra_76180	Phra_76180
CE10	341	Phyra76241	711	1.30E-43	93	332	455	703	0.700879765	Phytophthora_ramorum	Phytophthora	CE10_Phyra76241	Oomycete	Phra	Phra_76241	Phra_76241
GH31	427	Phyra76244	1227	7.00E-95	113	427	587	995	0.735362998	Phytophthora_ramorum	Phytophthora	GH31_Phyra76244	Oomycete	Phra	Phra_76244	Phra_76244
GT22	389	Phyra76251	480	3.10E-76	12	363	3	378	0.902313625	Phytophthora_ramorum	Phytophthora	GT22_Phyra76251	Oomycete	Phra	Phra_76251	Phra_76251
GH16	189	Phyra76301	724	8.40E-12	122	189	400	556	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra76301	Oomycete	Phra	Phra_76301	Phra_76301
GH16	189	Phyra76302	750	8.30E-12	110	189	385	558	0.417989418	Phytophthora_ramorum	Phytophthora	GH16_Phyra76302	Oomycete	Phra	Phra_76302	Phra_76302
GH16	189	Phyra76302	750	0.000000052	3	115	62	578	0.592592593	Phytophthora_ramorum	Phytophthora	GH16_Phyra76302	Oomycete	Phra	Phra_76302	Phra_76302
GH16	189	Phyra76303	729	1.30E-12	109	189	378	252	0.423280423	Phytophthora_ramorum	Phytophthora	GH16_Phyra76303	Oomycete	Phra	Phra_76303	Phra_76303
GH16	189	Phyra76303	729	0.000000012	3	100	56	259	0.513227513	Phytophthora_ramorum	Phytophthora	GH16_Phyra76303	Oomycete	Phra	Phra_76303	Phra_76303
GH16	189	Phyra76313	651	0.000000005	122	189	434	563	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra76313	Oomycete	Phra	Phra_76313	Phra_76313_secreted
GH16	189	Phyra76313	651	0.00000016	4	90	60	226	0.455026455	Phytophthora_ramorum	Phytophthora	GH16_Phyra76313	Oomycete	Phra	Phra_76313	Phra_76313_secreted
GH16	189	Phyra76314	759	0.000000056	122	189	425	554	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra76314	Oomycete	Phra	Phra_76314	Phra_76314
GH16	189	Phyra76314	759	0.00000011	4	97	51	217	0.492063492	Phytophthora_ramorum	Phytophthora	GH16_Phyra76314	Oomycete	Phra	Phra_76314	Phra_76314
GH16	189	Phyra76315	757	0.000000023	122	189	435	572	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra76315	Oomycete	Phra	Phra_76315	Phra_76315
GH16	189	Phyra76315	757	0.00000011	4	98	69	236	0.497354497	Phytophthora_ramorum	Phytophthora	GH16_Phyra76315	Oomycete	Phra	Phra_76315	Phra_76315
GH16	189	Phyra76320	754	5.00E-10	122	189	448	571	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra76320	Oomycete	Phra	Phra_76320	Phra_76320
GH16	189	Phyra76320	754	0.000000022	4	99	67	235	0.502645503	Phytophthora_ramorum	Phytophthora	GH16_Phyra76320	Oomycete	Phra	Phra_76320	Phra_76320
CBM63	78	Phyra76344	241	0.0000012	3	72	142	212	0.884615385	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76344	Oomycete	Phra	Phra_76344	Phra_76344_secreted
CBM63	78	Phyra76345	392	0.00000014	4	73	143	211	0.884615385	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76345	Oomycete	Phra	Phra_76345	Phra_76345_secreted
CBM63	78	Phyra76346	383	0.00000031	4	72	143	209	0.871794872	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76346	Oomycete	Phra	Phra_76346	Phra_76346_secreted
CBM63	78	Phyra76347	223	1.90E-10	4	73	141	209	0.884615385	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76347	Oomycete	Phra	Phra_76347	Phra_76347_secreted
CBM63	78	Phyra76348	551	4.40E-09	2	75	162	236	0.935897436	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76348	Oomycete	Phra	Phra_76348	Phra_76348
CBM63	78	Phyra76349	677	0.000000051	2	74	140	213	0.923076923	Phytophthora_ramorum	Phytophthora	CBM63_Phyra76349	Oomycete	Phra	Phra_76349	Phra_76349_secreted
GH72	312	Phyra76381	505	1.30E-77	3	284	20	328	0.900641026	Phytophthora_ramorum	Phytophthora	GH72_Phyra76381	Oomycete	Phra	Phra_76381	Phra_76381_secreted
GH72	312	Phyra76382	496	3.80E-80	5	284	25	332	0.894230769	Phytophthora_ramorum	Phytophthora	GH72_Phyra76382	Oomycete	Phra	Phra_76382	Phra_76382
CE1	227	Phyra76386	423	0.0000002	14	142	67	213	0.563876652	Phytophthora_ramorum	Phytophthora	CE1_Phyra76386	Oomycete	Phra	Phra_76386	Phra_76386_secreted
GH1	429	Phyra76490	570	2.60E-137	4	426	28	509	0.983682984	Phytophthora_ramorum	Phytophthora	GH1_Phyra76490	Oomycete	Phra	Phra_76490	Phra_76490
GH1	429	Phyra76491	572	1.70E-136	4	426	31	512	0.983682984	Phytophthora_ramorum	Phytophthora	GH1_Phyra76491	Oomycete	Phra	Phra_76491	Phra_76491
GH1	429	Phyra76492	575	1.10E-127	3	425	31	515	0.983682984	Phytophthora_ramorum	Phytophthora	GH1_Phyra76492	Oomycete	Phra	Phra_76492	Phra_76492
GH1	429	Phyra76494	583	4.10E-144	3	426	28	510	0.986013986	Phytophthora_ramorum	Phytophthora	GH1_Phyra76494	Oomycete	Phra	Phra_76494	Phra_76494
GH1	429	Phyra76495	580	1.30E-139	3	426	25	507	0.986013986	Phytophthora_ramorum	Phytophthora	GH1_Phyra76495	Oomycete	Phra	Phra_76495	Phra_76495
GH1	429	Phyra76529	592	2.50E-138	4	427	24	513	0.986013986	Phytophthora_ramorum	Phytophthora	GH1_Phyra76529	Oomycete	Phra	Phra_76529	Phra_76529
GT71	264	Phyra76613	474	4.90E-43	2	264	129	360	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra76613	Oomycete	Phra	Phra_76613	Phra_76613
GT71	264	Phyra76676	502	2.60E-43	2	249	113	396	0.935606061	Phytophthora_ramorum	Phytophthora	GT71_Phyra76676	Oomycete	Phra	Phra_76676	Phra_76676
GT71	264	Phyra76677	1962	3.60E-41	2	257	1579	1876	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra76677	Oomycete	Phra	Phra_76677	Phra_76677
GT71	264	Phyra76677	1962	1.10E-40	2	250	158	440	0.939393939	Phytophthora_ramorum	Phytophthora	GT71_Phyra76677	Oomycete	Phra	Phra_76677	Phra_76677
GT71	264	Phyra76677	1962	3.20E-40	2	262	643	948	0.984848485	Phytophthora_ramorum	Phytophthora	GT71_Phyra76677	Oomycete	Phra	Phra_76677	Phra_76677
GT71	264	Phyra76677	1962	1.00E-39	2	247	1119	1399	0.928030303	Phytophthora_ramorum	Phytophthora	GT71_Phyra76677	Oomycete	Phra	Phra_76677	Phra_76677
CBM25	78	Phyra76755	1088	7.70E-13	13	76	154	222	0.807692308	Phytophthora_ramorum	Phytophthora	CBM25_Phyra76755	Oomycete	Phra	Phra_76755	Phra_76755_secreted
GH31	427	Phyra76755	1088	3.00E-150	3	427	472	963	0.992974239	Phytophthora_ramorum	Phytophthora	GH31_Phyra76755	Oomycete	Phra	Phra_76755	Phra_76755_secreted
GH31	427	Phyra76757	875	1.10E-152	3	427	259	750	0.992974239	Phytophthora_ramorum	Phytophthora	GH31_Phyra76757	Oomycete	Phra	Phra_76757	Phra_76757_secreted
GT2	168	Phyra76907	1028	2.40E-11	2	108	347	534	0.630952381	Phytop						

GT2	168	Phyra76908	994	0.000000096	105	168	615	678	0.375	Phytophthora_ramorum	Phytophthora	GT2_Phyra76908	Oomycete	Phra	Phra_76908	Phra_76908
GH53	342	Phyra76938	176	2.80E-25	196	334	31	159	0.403508772	Phytophthora_ramorum	Phytophthora	GH53_Phyra76938	Oomycete	Phra	Phra_76938	Phra_76938
GH53	342	Phyra76939	235	5.80E-55	2	196	26	214	0.567251462	Phytophthora_ramorum	Phytophthora	GH53_Phyra76939	Oomycete	Phra	Phra_76939	Phra_76939_secreted
GH53	342	Phyra76940	421	3.70E-80	2	332	26	340	0.964912281	Phytophthora_ramorum	Phytophthora	GH53_Phyra76940	Oomycete	Phra	Phra_76940	Phra_76940_secreted
GH53	342	Phyra76942	359	2.40E-81	2	334	26	342	0.970760234	Phytophthora_ramorum	Phytophthora	GH53_Phyra76942	Oomycete	Phra	Phra_76942	Phra_76942_secreted
GH53	342	Phyra76943	359	2.50E-80	2	332	26	340	0.964912281	Phytophthora_ramorum	Phytophthora	GH53_Phyra76943	Oomycete	Phra	Phra_76943	Phra_76943_secreted
GH53	342	Phyra76944	363	8.80E-81	1	332	26	341	0.967836257	Phytophthora_ramorum	Phytophthora	GH53_Phyra76944	Oomycete	Phra	Phra_76944	Phra_76944_secreted
GH5	275	Phyra76972	632	2.10E-38	6	237	166	522	0.84	Phytophthora_ramorum	Phytophthora	GH5_Phyra76972	Oomycete	Phra	Phra_76972	Phra_76972
CBM32	124	Phyra77003	145	0.00000046	47	110	7	90	0.508064516	Phytophthora_ramorum	Phytophthora	CBM32_Phyra77003	Oomycete	Phra	Phra_77003	Phra_77003
PL1	202	Phyra77010	873	3.40E-47	20	200	125	314	0.891089109	Phytophthora_ramorum	Phytophthora	PL1_Phyra77010	Oomycete	Phra	Phra_77010	Phra_77010_secreted
PL1	202	Phyra77010	873	2.70E-44	17	201	591	789	0.910891089	Phytophthora_ramorum	Phytophthora	PL1_Phyra77010	Oomycete	Phra	Phra_77010	Phra_77010_secreted
PL3	197	Phyra77022	678	9.50E-68	2	196	453	651	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra77022	Oomycete	Phra	Phra_77022	Phra_77022_secreted
PL3	197	Phyra77022	678	5.10E-66	2	196	31	228	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra77022	Oomycete	Phra	Phra_77022	Phra_77022_secreted
PL3	197	Phyra77024	652	3.50E-67	2	196	426	624	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra77024	Oomycete	Phra	Phra_77024	Phra_77024_secreted
PL3	197	Phyra77024	652	5.10E-67	2	196	31	228	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra77024	Oomycete	Phra	Phra_77024	Phra_77024_secreted
AA9	220	Phyra77026	334	0.00000078	68	198	53	187	0.590909091	Phytophthora_ramorum	Phytophthora	AA9_Phyra77026	Oomycete	Phra	Phra_77026	Phra_77026_secreted
PL3	197	Phyra77029	242	1.00E-67	2	196	16	214	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra77029	Oomycete	Phra	Phra_77029	Phra_77029
AA2	255	Phyra77036	686	5.80E-23	14	127	74	189	0.443137255	Phytophthora_ramorum	Phytophthora	AA2_Phyra77036	Oomycete	Phra	Phra_77036	Phra_77036_secreted
AA2	255	Phyra77036	686	1.60E-22	29	253	460	679	0.878431373	Phytophthora_ramorum	Phytophthora	AA2_Phyra77036	Oomycete	Phra	Phra_77036	Phra_77036_secreted
GT71	264	Phyra77038	500	4.90E-40	2	259	75	369	0.973484849	Phytophthora_ramorum	Phytophthora	GT71_Phyra77038	Oomycete	Phra	Phra_77038	Phra_77038
AA8	815	Phyra77147	643	4.60E-85	239	786	22	567	0.671165644	Phytophthora_ramorum	Phytophthora	AA8_Phyra77147	Oomycete	Phra	Phra_77147	Phra_77147_secreted
CE10	341	Phyra77171	428	2.90E-33	80	335	156	412	0.747800587	Phytophthora_ramorum	Phytophthora	CE10_Phyra77171	Oomycete	Phra	Phra_77171	Phra_77171
CE10	341	Phyra77172	424	4.20E-31	80	337	125	406	0.753665689	Phytophthora_ramorum	Phytophthora	CE10_Phyra77172	Oomycete	Phra	Phra_77172	Phra_77172
CE10	341	Phyra77173	420	2.90E-34	86	337	158	409	0.736070381	Phytophthora_ramorum	Phytophthora	CE10_Phyra77173	Oomycete	Phra	Phra_77173	Phra_77173
GT2	168	Phyra77229	1025	1.10E-09	2	165	234	465	0.970238095	Phytophthora_ramorum	Phytophthora	GT2_Phyra77229	Oomycete	Phra	Phra_77229	Phra_77229
GT40	211	Phyra77270	200	0.00058	111	175	30	95	0.303317536	Phytophthora_ramorum	Phytophthora	GT40_Phyra77270	Oomycete	Phra	Phra_77270	Phra_77270
GH5	275	Phyra77295	687	5.50E-28	2	237	25	525	0.854545455	Phytophthora_ramorum	Phytophthora	GH5_Phyra77295	Oomycete	Phra	Phra_77295	Phra_77295
GH5	275	Phyra77299	500	4.20E-13	97	237	34	333	0.509090909	Phytophthora_ramorum	Phytophthora	GH5_Phyra77299	Oomycete	Phra	Phra_77299	Phra_77299
GH5	275	Phyra77300	903	5.30E-29	2	237	235	736	0.854545455	Phytophthora_ramorum	Phytophthora	GH5_Phyra77300	Oomycete	Phra	Phra_77300	Phra_77300
GH5	275	Phyra77311	775	8.30E-29	3	236	35	537	0.847272727	Phytophthora_ramorum	Phytophthora	GH5_Phyra77311	Oomycete	Phra	Phra_77311	Phra_77311
GT48	739	Phyra77350	2282	2.90E-259	2	659	856	1546	0.889039242	Phytophthora_ramorum	Phytophthora	GT48_Phyra77350	Oomycete	Phra	Phra_77350	Phra_77350
GH18	296	Phyra77376	380	1.30E-21	25	171	119	302	0.493243243	Phytophthora_ramorum	Phytophthora	GH18_Phyra77376	Oomycete	Phra	Phra_77376	Phra_77376
CE1	227	Phyra77396	457	0.000007	24	189	165	339	0.726872247	Phytophthora_ramorum	Phytophthora	CE1_Phyra77396	Oomycete	Phra	Phra_77396	Phra_77396
GT31	192	Phyra77401	476	5.40E-34	2	188	207	404	0.96875	Phytophthora_ramorum	Phytophthora	GT31_Phyra77401	Oomycete	Phra	Phra_77401	Phra_77401_secreted
GT20	475	Phyra77528	998	2.10E-104	13	474	12	564	0.970526316	Phytophthora_ramorum	Phytophthora	GT20_Phyra77528	Oomycete	Phra	Phra_77528	Phra_77528
GT8	257	Phyra77648	557	3.30E-14	39	205	54	205	0.645914397	Phytophthora_ramorum	Phytophthora	GT8_Phyra77648	Oomycete	Phra	Phra_77648	Phra_77648
PL1	202	Phyra77715	443	6.90E-40	16	201	122	323	0.915841584	Phytophthora_ramorum	Phytophthora	PL1_Phyra77715	Oomycete	Phra	Phra_77715	Phra_77715_secreted
CE12	210	Phyra77745	284	1.30E-15	2	164	39	217	0.771428571	Phytophthora_ramorum	Phytophthora	CE12_Phyra77745	Oomycete	Phra	Phra_77745	Phra_77745
CE12	210	Phyra77746	278	7.30E-12	2	160	38	216	0.752380952	Phytophthora_ramorum	Phytophthora	CE12_Phyra77746	Oomycete	Phra	Phra_77746	Phra_77746_secreted
GH3	216	Phyra77835	778	2.00E-58	9	216	122	340	0.958333333	Phytophthora_ramorum	Phytophthora	GH3_Phyra77835	Oomycete	Phra	Phra_77835	Phra_77835_secreted
GT59	404	Phyra77928	387	5.90E-81	2	303	39	337	0.745049505	Phytophthora_ramorum	Phytophthora	GT59_Phyra77928	Oomycete	Phra	Phra_77928	Phra_77928
GT48	739	Phyra77994	2223	7.80E-272	2	715	845	1591	0.964817321	Phytophthora_ramorum	Phytophthora	GT48_Phyra77994	Oomycete	Phra	Phra_77994	Phra_77994
GT71	264	Phyra78112	597	2.80E-53	2	264	249	477	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra78112	Oomycete	Phra	Phra_78112	Phra_78112
GT71	264	Phyra78113	623	2.10E-50	2	264	278	507	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra78113	Oomycete	Phra	Phra_78113	Phra_78113
GH5	275	Phyra78128	537	3.00E-39	4	242	35	351	0.865454546	Phytophthora_ramorum	Phytophthora	GH5_Phyra78128	Oomycete	Phra	Phra_78128	Phra_78128
GH123	538	Phyra78133	822	7.00E-30	101	281	284	480	0.334572491	Phytophthora_ramorum	Phytophthora	GH123_Phyra78133	Oomycete	Phra	Phra_78133	Phra_78133
AA9	220	Phyra78171	272	6.70E-09	2	215	16	226	0.968181818	Phytophthora_ramorum	Phytophthora	AA9_Phyra78171	Oomycete	Phra	Phra_78171	Phra_78171_secreted
AA9	220	Phyra78173	221	0.00000013	2	204	8	207	0.918181818	Phytophthora_ramorum	Phytophthora	AA9_Phyra78173	Oomycete	Phra	Phra_78173	Phra_78173_secreted
GH3	216	Phyra78229	791	2.00E-63	6	207	106	316	0.930555556	Phytophthora_ramorum	Phytophthora	GH3_Phyra78229	Oomycete	Phra	Phra_78229	Phra_78229_secreted
GH3	216	Phyra78230	784	1.60E-64	5	204	119	328	0.921296296	Phytophthora_ramorum	Phytophthora	GH3_Phyra78230	Oomycete	Phra	Phra_78230	Phra_78230_secreted
GH3	216	Phyra78231	813	2.20E-62	5	201	114	320	0.907407407	Phytophthora_ramorum	Phytophthora	GH3_Phyra78231	Oomycete	Phra	Phra_78231	Phra_78231_secreted
GH3	216	Phyra78232	787	4.70E-60	5	204	115	324	0.921296296	Phytophthora_ramorum	Phytophthora	GH3_Phyra78232	Oomycete	Phra	Phra_78232	Phra_78232_secreted
GH3	216	Phyra78295	775	1.60E-58	4	215	112	334	0.976851852	Phytophthora_ramorum	Phytophthora	GH3_Phyra78295	Oomycete	Phra	Phra_78295	Phra_78295_secreted
GH3	216	Phyra78296	787	4.70E-59	5	216	116	338	0.976851852	Phytophthora_ramorum	Phytophthora	GH3_Phyra78296	Oomycete	Phra	Phra_78296	Phra_78296_secreted
GH3	216	Phyra78297	787	4.70E-59	5	216	116	338	0.976851852	Phytophthora_ramorum	Phytophthora	GH3_Phyra78297	Oomycete	Phra	Phra_78297	Phra_78297_secreted
CE5	189	Phyra78496	214	2.80E-52	1	183	24	199	0.962962963	Phytophthora_ramorum	Phytophthora	CE5_Phyra78496	Oomycete	Phra	Phra_78496	Phra_78496_secreted
GT4	160	Phyra78563	462	3.30E-32	8	147	211	349	0.86875	Phytophthora_ramorum	Phytophthora	GT4_Phyra78563	Oomycete	Phra	Phra_78563	Phra_78563
GH5	275	Phyra78803	384	3.00E-33	7	238	34	352	0.84	Phytophthora_ramorum	Phytophthora	GH5_Phyra78803	Oomycete	Phra	Phra_78803	Phra_78803_secreted
CE10	341	Phyra78870	550	2.50E-25	61	180	74	202	0.348973607	Phytophthora_ramorum	Phytophthora	CE10_Phyra78870	Oomycete	Phra	Phra_78870	Phra_78870_secreted
CE1	227	Phyra78966	278	0.00000015	29	143	44	168	0.502202643	Phytophthora_ramorum	Phytophthora	CE1_Phyra78966	Oomycete	Phra	Phra_78966	Phra_78966
CE1	227	Phyra78968	2478	0.0000039	29	143	44	172	0.502202643	Phytophthora_ramorum	Phytophthora	CE1_Phyra78968	Oomycete	Phra	Phra_78968	Phra_78968
AA8	815	Phyra78970	688	4.60E-84	240	788	18	563	0.672392638	Phytophthora_ramorum	Phytophthora	AA8_Phyra78970	Oomycete	Phra	Phra_78970	Phra_78970_secreted
GH5	275	Phyra79037	646	6.30E-33	3	240	239	590	0.861818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra79037	Oomycete	Phra	Phra_79037	Phra_79037
GH5	275	Phyra79038	643	2.00E-31	3	240	234	585	0.861818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra79038	Oomycete	Phra	Phra_79038	Phra_79038
GH1	429	Phyra79042	552	4.60E-127	4	425	56	537	0.981351981	Phytophthora_ramorum	Phytophthora	GH1_Phyra79042	Oomycete	Phra	Phra_79042	Phra_79042_secreted
CBM1	29	Phyra79074	186	0.00074	13	29	34	51	0.551724138	Phytophthora_ramorum	Phytophthora	CBM1_Phyra79074	Oomycete	Phra	Phra_79074	Phra_79074_secreted
CBM1	29	Phyra79075	378	0.00000033	4	23	228	248	0.655172414	Phytophthora_ramorum	Phytophthora	CBM1_Phyra79075	Oomycete	Phra	Phra_79075	Phra_79075_secreted
CBM1	29	Phyra79075	378	0.0000022	4	22	43	62	0.620689655	Phytophthora_ramorum	Phytophthora	CBM1_Phyra79075	Oomycete	Phra	Phra_79075	Phra_79075_secreted
GH3	216	Phyra79076	788	2.30E-58	5	216	116	338	0.976851852	Phytophthora_ramorum	Phytophthora	GH3_Phyra79076	Oomycete	Phra	Phra_79076	Phra_79076_secreted
GH3	216	Phyra79077	788													

CBM1	29	Phyra79079	378	0.0000022	4	22	43	62	0.620689655	Phytophthora_ramorum	Phytophthora	CBM1_Phyra79079	Oomycete	Phra	Phra_79079	Phra_79079_secreted
CBM50	40	Phyra79241	186	0.0000019	4	39	29	68	0.875	Phytophthora_ramorum	Phytophthora	CBM50_Phyra79241	Oomycete	Phra	Phra_79241	Phra_79241
CE1	227	Phyra79357	587	0.0000034	30	161	132	276	0.577092511	Phytophthora_ramorum	Phytophthora	CE1_Phyra79357	Oomycete	Phra	Phra_79357	Phra_79357_secreted
CBM63	78	Phyra79435	431	0.00000006	2	75	138	210	0.935897436	Phytophthora_ramorum	Phytophthora	CBM63_Phyra79435	Oomycete	Phra	Phra_79435	Phra_79435
CE1	227	Phyra79437	645	2.30E-10	41	143	329	459	0.449339207	Phytophthora_ramorum	Phytophthora	CE1_Phyra79437	Oomycete	Phra	Phra_79437	Phra_79437
CBM63	78	Phyra79440	470	0.000000068	2	75	137	209	0.935897436	Phytophthora_ramorum	Phytophthora	CBM63_Phyra79440	Oomycete	Phra	Phra_79440	Phra_79440
CBM63	78	Phyra79441	665	0.000000038	2	73	97	169	0.91025641	Phytophthora_ramorum	Phytophthora	CBM63_Phyra79441	Oomycete	Phra	Phra_79441	Phra_79441
CBM63	78	Phyra79442	451	0.000000059	2	75	141	215	0.935897436	Phytophthora_ramorum	Phytophthora	CBM63_Phyra79442	Oomycete	Phra	Phra_79442	Phra_79442
CBM63	78	Phyra79443	573	0.000000066	2	75	139	213	0.935897436	Phytophthora_ramorum	Phytophthora	CBM63_Phyra79443	Oomycete	Phra	Phra_79443	Phra_79443
CE1	227	Phyra79508	355	0.000000018	28	208	79	332	0.792951542	Phytophthora_ramorum	Phytophthora	CE1_Phyra79508	Oomycete	Phra	Phra_79508	Phra_79508
CE8	288	Phyra79718	348	3.10E-68	2	273	40	324	0.940972222	Phytophthora_ramorum	Phytophthora	CE8_Phyra79718	Oomycete	Phra	Phra_79718	Phra_79718_secreted
GH85	315	Phyra79858	895	5.70E-66	1	277	258	526	0.876190476	Phytophthora_ramorum	Phytophthora	GH85_Phyra79858	Oomycete	Phra	Phra_79858	Phra_79858
GT2	168	Phyra79866	936	2.80E-28	2	164	676	853	0.964285714	Phytophthora_ramorum	Phytophthora	GT2_Phyra79866	Oomycete	Phra	Phra_79866	Phra_79866
GT1	382	Phyra79867	557	4.20E-21	29	360	120	538	0.866492147	Phytophthora_ramorum	Phytophthora	GT1_Phyra79867	Oomycete	Phra	Phra_79867	Phra_79867_secreted
GH12	156	Phyra79939	435	2.40E-41	2	155	90	237	0.980769231	Phytophthora_ramorum	Phytophthora	GH12_Phyra79939	Oomycete	Phra	Phra_79939	Phra_79939_secreted
GH16	189	Phyra79952	417	0.0000013	61	143	282	384	0.433862434	Phytophthora_ramorum	Phytophthora	GH16_Phyra79952	Oomycete	Phra	Phra_79952	Phra_79952_secreted
CE1	227	Phyra80036	354	0.000000052	10	220	80	340	0.925110132	Phytophthora_ramorum	Phytophthora	CE1_Phyra80036	Oomycete	Phra	Phra_80036	Phra_80036_secreted
GH17	311	Phyra80072	293	1.50E-20	3	309	23	279	0.98392283	Phytophthora_ramorum	Phytophthora	GH17_Phyra80072	Oomycete	Phra	Phra_80072	Phra_80072_secreted
GT1	382	Phyra80101	2423	1.10E-52	99	377	285	594	0.727748691	Phytophthora_ramorum	Phytophthora	GT1_Phyra80101	Oomycete	Phra	Phra_80101	Phra_80101
GT1	382	Phyra80101	2423	7.80E-52	92	377	1295	1611	0.746073298	Phytophthora_ramorum	Phytophthora	GT1_Phyra80101	Oomycete	Phra	Phra_80101	Phra_80101
GT1	382	Phyra80101	2423	1.50E-11	124	376	2074	2366	0.659685864	Phytophthora_ramorum	Phytophthora	GT1_Phyra80101	Oomycete	Phra	Phra_80101	Phra_80101
PL3	197	Phyra80133	261	2.80E-72	2	196	38	233	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra80133	Oomycete	Phra	Phra_80133	Phra_80133_secreted
GH6	294	Phyra80136	766	1.40E-56	17	290	43	296	0.928571429	Phytophthora_ramorum	Phytophthora	GH6_Phyra80136	Oomycete	Phra	Phra_80136	Phra_80136_secreted
GH16	189	Phyra80137	829	0.000000052	32	176	41	194	0.761904762	Phytophthora_ramorum	Phytophthora	GH16_Phyra80137	Oomycete	Phra	Phra_80137	Phra_80137
GH38	269	Phyra80246	1066	7.50E-72	1	269	46	348	0.996282528	Phytophthora_ramorum	Phytophthora	GH38_Phyra80246	Oomycete	Phra	Phra_80246	Phra_80246_secreted
GH89	663	Phyra80249	804	4.70E-215	2	657	72	743	0.987933635	Phytophthora_ramorum	Phytophthora	GH89_Phyra80249	Oomycete	Phra	Phra_80249	Phra_80249_secreted
CBM63	78	Phyra80294	1125	0.00000064	3	74	1002	1072	0.91025641	Phytophthora_ramorum	Phytophthora	CBM63_Phyra80294	Oomycete	Phra	Phra_80294	Phra_80294
CE1	227	Phyra80328	589	0.00000089	24	143	164	309	0.524229075	Phytophthora_ramorum	Phytophthora	CE1_Phyra80328	Oomycete	Phra	Phra_80328	Phra_80328
GT96	307	Phyra80369	507	8.80E-17	2	219	119	362	0.706840391	Phytophthora_ramorum	Phytophthora	GT96_Phyra80369	Oomycete	Phra	Phra_80369	Phra_80369
GT71	264	Phyra80481	1018	7.00E-51	2	264	194	424	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra80481	Oomycete	Phra	Phra_80481	Phra_80481
GT20	475	Phyra80488	1170	2.30E-146	9	474	51	537	0.978947368	Phytophthora_ramorum	Phytophthora	GT20_Phyra80488	Oomycete	Phra	Phra_80488	Phra_80488
AA7	458	Phyra80500	507	5.30E-50	5	220	59	281	0.469432314	Phytophthora_ramorum	Phytophthora	AA7_Phyra80500	Oomycete	Phra	Phra_80500	Phra_80500_secreted
AA7	458	Phyra80501	507	1.20E-50	5	220	57	280	0.469432314	Phytophthora_ramorum	Phytophthora	AA7_Phyra80501	Oomycete	Phra	Phra_80501	Phra_80501_secreted
GH5	275	Phyra80684	371	1.90E-43	6	239	15	339	0.847272727	Phytophthora_ramorum	Phytophthora	GH5_Phyra80684	Oomycete	Phra	Phra_80684	Phra_80684
GH72	312	Phyra80685	469	5.10E-11	12	214	15	213	0.647435897	Phytophthora_ramorum	Phytophthora	GH72_Phyra80685	Oomycete	Phra	Phra_80685	Phra_80685
CBM13	188	Phyra80724	207	0.00000057	38	158	42	156	0.638297872	Phytophthora_ramorum	Phytophthora	CBM13_Phyra80724	Oomycete	Phra	Phra_80724	Phra_80724
GT48	739	Phyra80843	2400	8.90E-249	2	663	860	1559	0.894451962	Phytophthora_ramorum	Phytophthora	GT48_Phyra80843	Oomycete	Phra	Phra_80843	Phra_80843
GH109	126	Phyra80894	678	6.50E-14	2	120	8	117	0.936507937	Phytophthora_ramorum	Phytophthora	GH109_Phyra80894	Oomycete	Phra	Phra_80894	Phra_80894
GH109	126	Phyra80894	678	3.00E-13	2	122	346	457	0.952380952	Phytophthora_ramorum	Phytophthora	GH109_Phyra80894	Oomycete	Phra	Phra_80894	Phra_80894
GH109	126	Phyra80896	352	9.80E-13	2	122	10	123	0.952380952	Phytophthora_ramorum	Phytophthora	GH109_Phyra80896	Oomycete	Phra	Phra_80896	Phra_80896
PL6	372	Phyra80984	2572	0.000000067	6	156	1691	1845	0.403225807	Phytophthora_ramorum	Phytophthora	PL6_Phyra80984	Oomycete	Phra	Phra_80984	Phra_80984
AA7	458	Phyra81161	522	1.00E-85	9	458	83	519	0.980349345	Phytophthora_ramorum	Phytophthora	AA7_Phyra81161	Oomycete	Phra	Phra_81161	Phra_81161_secreted
GT31	192	Phyra81241	424	2.30E-18	43	183	131	284	0.729166667	Phytophthora_ramorum	Phytophthora	GT31_Phyra81241	Oomycete	Phra	Phra_81241	Phra_81241_secreted
GT31	192	Phyra81242	367	4.20E-19	42	182	110	263	0.729166667	Phytophthora_ramorum	Phytophthora	GT31_Phyra81242	Oomycete	Phra	Phra_81242	Phra_81242_secreted
AA3	618	Phyra81256	639	4.50E-74	87	406	64	632	0.51618123	Phytophthora_ramorum	Phytophthora	AA3_Phyra81256	Oomycete	Phra	Phra_81256	Phra_81256
CBM13	188	Phyra81296	679	9.20E-11	8	107	524	622	0.526595745	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81296	Oomycete	Phra	Phra_81296	Phra_81296
GH30	417	Phyra81296	679	3.30E-104	9	362	106	486	0.846522782	Phytophthora_ramorum	Phytophthora	GH30_Phyra81296	Oomycete	Phra	Phra_81296	Phra_81296
CBM13	188	Phyra81297	677	7.60E-10	14	108	528	621	0.5	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81297	Oomycete	Phra	Phra_81297	Phra_81297
GH30	417	Phyra81297	677	4.70E-104	10	362	103	484	0.8441247	Phytophthora_ramorum	Phytophthora	GH30_Phyra81297	Oomycete	Phra	Phra_81297	Phra_81297
CBM13	188	Phyra81298	340	0.00000058	32	109	212	285	0.409574468	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81298	Oomycete	Phra	Phra_81298	Phra_81298
CBM13	188	Phyra81298	340	0.00042	59	133	157	222	0.393617021	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81298	Oomycete	Phra	Phra_81298	Phra_81298
CBM13	188	Phyra81300	675	7.60E-10	14	108	526	619	0.5	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81300	Oomycete	Phra	Phra_81300	Phra_81300
GH30	417	Phyra81300	675	2.00E-103	10	362	101	482	0.8441247	Phytophthora_ramorum	Phytophthora	GH30_Phyra81300	Oomycete	Phra	Phra_81300	Phra_81300
GH3	216	Phyra81321	790	3.40E-68	5	215	82	330	0.972222222	Phytophthora_ramorum	Phytophthora	GH3_Phyra81321	Oomycete	Phra	Phra_81321	Phra_81321_secreted
GH81	622	Phyra81354	795	5.50E-165	11	621	99	771	0.980707396	Phytophthora_ramorum	Phytophthora	GH81_Phyra81354	Oomycete	Phra	Phra_81354	Phra_81354_secreted
GH81	622	Phyra81355	750	4.50E-159	10	621	99	729	0.982315113	Phytophthora_ramorum	Phytophthora	GH81_Phyra81355	Oomycete	Phra	Phra_81355	Phra_81355_secreted
GH81	622	Phyra81368	2212	2.40E-173	11	621	61	725	0.980707396	Phytophthora_ramorum	Phytophthora	GH81_Phyra81368	Oomycete	Phra	Phra_81368	Phra_81368_secreted
GH81	622	Phyra81371	928	2.90E-174	11	621	68	732	0.980707396	Phytophthora_ramorum	Phytophthora	GH81_Phyra81371	Oomycete	Phra	Phra_81371	Phra_81371
CE13	355	Phyra81374	458	2.30E-25	29	185	83	257	0.43943662	Phytophthora_ramorum	Phytophthora	CE13_Phyra81374	Oomycete	Phra	Phra_81374	Phra_81374_secreted
GH81	622	Phyra81385	928	6.10E-176	11	621	94	757	0.980707396	Phytophthora_ramorum	Phytophthora	GH81_Phyra81385	Oomycete	Phra	Phra_81385	Phra_81385
GH81	622	Phyra81397	407	5.30E-42	34	311	92	401	0.445337621	Phytophthora_ramorum	Phytophthora	GH81_Phyra81397	Oomycete	Phra	Phra_81397	Phra_81397
GT60	330	Phyra81398	463	5.50E-46	3	329	118	435	0.987878788	Phytophthora_ramorum	Phytophthora	GT60_Phyra81398	Oomycete	Phra	Phra_81398	Phra_81398
GT4	160	Phyra81484	534	0.000000017	71	134	388	450	0.39375	Phytophthora_ramorum	Phytophthora	GT4_Phyra81484	Oomycete	Phra	Phra_81484	Phra_81484
GH17	311	Phyra81533	547	9.20E-23	3	310	24	278	0.987138264	Phytophthora_ramorum	Phytophthora	GH17_Phyra81533	Oomycete	Phra	Phra_81533	Phra_81533
GH17	311	Phyra81535	561	1.20E-17	15	310	106	343	0.948553055	Phytophthora_ramorum	Phytophthora	GH17_Phyra81535	Oomycete	Phra	Phra_81535	Phra_81535
GH17	311	Phyra81542	303	3.70E-22	16	309	45	303	0.942122187	Phytophthora_ramorum	Phytophthora	GH17_Phyra81542	Oomycete	Phra	Phra_81542	Phra_81542_secreted
GH17	311	Phyra81546	303	6.70E-22	16	309	45	303	0.942122187	Phytophthora_ramorum	Phytophthora	GH17_Phyra81546	Oomycete	Phra	Phra_81546	Phra_81546_secreted
GH72	312	Phyra81632	508	9.50E-81	3	284	22	326	0.900641026	Phytophthora_ramorum	Phytophthora	GH72_Phyra81632	Oomycete	Phra	Phra_81632	Phra_81632_secreted
GH72	312	Phyra81633	556	2.10E-80	3	284	90	394	0.900641026	Phytophthora_ramorum	Phytophthora	GH72_Phyra816				

GH30	417	Phyra81642	590	1.60E-104	12	415	88	542	0.966426859	Phytophthora_ramorum	Phytophthora	GH30_Phyra81642	Oomycete	Phra	Phra_81642	Phra_81642_secreted
CBM50	40	Phyra81657	336	3.00E-10	1	39	28	74	0.95	Phytophthora_ramorum	Phytophthora	CBM50_Phyra81657	Oomycete	Phra	Phra_81657	Phra_81657
CBM50	40	Phyra81657	336	0.000000031	1	39	261	307	0.95	Phytophthora_ramorum	Phytophthora	CBM50_Phyra81657	Oomycete	Phra	Phra_81657	Phra_81657
CBM50	40	Phyra81657	336	0.00000082	1	37	97	141	0.9	Phytophthora_ramorum	Phytophthora	CBM50_Phyra81657	Oomycete	Phra	Phra_81657	Phra_81657
GT20	475	Phyra81662	1293	6.00E-109	5	330	85	429	0.684210526	Phytophthora_ramorum	Phytophthora	GT20_Phyra81662	Oomycete	Phra	Phra_81662	Phra_81662
GT20	475	Phyra81662	1293	2.60E-63	325	473	504	730	0.311578947	Phytophthora_ramorum	Phytophthora	GT20_Phyra81662	Oomycete	Phra	Phra_81662	Phra_81662
GH18	296	Phyra81663	327	2.00E-12	82	203	205	325	0.408783784	Phytophthora_ramorum	Phytophthora	GH18_Phyra81663	Oomycete	Phra	Phra_81663	Phra_81663_secreted
AA6	195	Phyra81696	200	9.40E-82	2	195	4	197	0.98974359	Phytophthora_ramorum	Phytophthora	AA6_Phyra81696	Oomycete	Phra	Phra_81696	Phra_81696
GT71	264	Phyra81914	556	1.30E-50	2	264	196	432	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra81914	Oomycete	Phra	Phra_81914	Phra_81914
CBM13	188	Phyra81925	443	6.40E-19	8	136	315	440	0.680851064	Phytophthora_ramorum	Phytophthora	CBM13_Phyra81925	Oomycete	Phra	Phra_81925	Phra_81925_secreted
GH17	311	Phyra81925	443	1.80E-21	12	306	46	300	0.945337621	Phytophthora_ramorum	Phytophthora	GH17_Phyra81925	Oomycete	Phra	Phra_81925	Phra_81925_secreted
CE8	288	Phyra81929	344	1.00E-70	2	273	38	320	0.940972222	Phytophthora_ramorum	Phytophthora	CE8_Phyra81929	Oomycete	Phra	Phra_81929	Phra_81929_secreted
CBM32	124	Phyra81937	179	0.00000063	11	66	24	86	0.443548387	Phytophthora_ramorum	Phytophthora	CBM32_Phyra81937	Oomycete	Phra	Phra_81937	Phra_81937
GH18	296	Phyra81952	411	1.30E-40	39	279	81	388	0.810810811	Phytophthora_ramorum	Phytophthora	GH18_Phyra81952	Oomycete	Phra	Phra_81952	Phra_81952_secreted
GT71	264	Phyra82055	542	9.80E-48	2	264	157	424	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra82055	Oomycete	Phra	Phra_82055	Phra_82055
AA9	220	Phyra82121	335	0.00000047	2	203	13	211	0.913636364	Phytophthora_ramorum	Phytophthora	AA9_Phyra82121	Oomycete	Phra	Phra_82121	Phra_82121_secreted
AA10	178	Phyra82123	274	0.000000035	77	177	91	190	0.561797753	Phytophthora_ramorum	Phytophthora	AA10_Phyra82123	Oomycete	Phra	Phra_82123	Phra_82123_secreted
AA6	195	Phyra82142	200	2.40E-68	1	195	3	197	0.994871795	Phytophthora_ramorum	Phytophthora	AA6_Phyra82142	Oomycete	Phra	Phra_82142	Phra_82142
GH16	189	Phyra82155	1245	4.90E-11	129	189	449	559	0.317460318	Phytophthora_ramorum	Phytophthora	GH16_Phyra82155	Oomycete	Phra	Phra_82155	Phra_82155
GH17	311	Phyra82294	405	6.50E-18	47	306	117	336	0.832797428	Phytophthora_ramorum	Phytophthora	GH17_Phyra82294	Oomycete	Phra	Phra_82294	Phra_82294_secreted
GH1	429	Phyra82341	548	2.80E-123	2	424	60	530	0.983682984	Phytophthora_ramorum	Phytophthora	GH1_Phyra82341	Oomycete	Phra	Phra_82341	Phra_82341_secreted
GT48	739	Phyra82372	2247	2.70E-275	2	723	854	1603	0.975642761	Phytophthora_ramorum	Phytophthora	GT48_Phyra82372	Oomycete	Phra	Phra_82372	Phra_82372
GH16	189	Phyra82420	781	6.40E-09	128	189	473	583	0.322751323	Phytophthora_ramorum	Phytophthora	GH16_Phyra82420	Oomycete	Phra	Phra_82420	Phra_82420
GH16	189	Phyra82420	781	0.000000012	4	97	80	246	0.492063492	Phytophthora_ramorum	Phytophthora	GH16_Phyra82420	Oomycete	Phra	Phra_82420	Phra_82420
CBM20	90	Phyra82526	1062	2.70E-16	16	86	18	95	0.777777778	Phytophthora_ramorum	Phytophthora	CBM20_Phyra82526	Oomycete	Phra	Phra_82526	Phra_82526
CBM47	128	Phyra82526	1062	6.50E-14	8	60	119	170	0.40625	Phytophthora_ramorum	Phytophthora	CBM47_Phyra82526	Oomycete	Phra	Phra_82526	Phra_82526
CE10	341	Phyra82570	438	9.60E-37	80	338	161	423	0.756598241	Phytophthora_ramorum	Phytophthora	CE10_Phyra82570	Oomycete	Phra	Phra_82570	Phra_82570
CE10	341	Phyra82571	375	6.70E-38	81	339	98	358	0.756598241	Phytophthora_ramorum	Phytophthora	CE10_Phyra82571	Oomycete	Phra	Phra_82571	Phra_82571
CE10	341	Phyra82574	433	1.10E-29	88	318	163	396	0.674486804	Phytophthora_ramorum	Phytophthora	CE10_Phyra82574	Oomycete	Phra	Phra_82574	Phra_82574
GH32	293	Phyra82582	663	5.00E-60	1	282	46	376	0.959044369	Phytophthora_ramorum	Phytophthora	GH32_Phyra82582	Oomycete	Phra	Phra_82582	Phra_82582_secreted
GH32	293	Phyra82583	619	5.50E-60	1	282	46	375	0.959044369	Phytophthora_ramorum	Phytophthora	GH32_Phyra82583	Oomycete	Phra	Phra_82583	Phra_82583_secreted
GH32	293	Phyra82584	620	1.50E-62	1	282	47	376	0.959044369	Phytophthora_ramorum	Phytophthora	GH32_Phyra82584	Oomycete	Phra	Phra_82584	Phra_82584_secreted
PL3	197	Phyra82586	281	1.40E-62	2	191	30	234	0.959390863	Phytophthora_ramorum	Phytophthora	PL3_Phyra82586	Oomycete	Phra	Phra_82586	Phra_82586_secreted
PL3	197	Phyra82590	282	2.50E-62	2	194	30	237	0.974619289	Phytophthora_ramorum	Phytophthora	PL3_Phyra82590	Oomycete	Phra	Phra_82590	Phra_82590_secreted
PL3	197	Phyra82591	1787	3.00E-61	3	189	31	231	0.944162437	Phytophthora_ramorum	Phytophthora	PL3_Phyra82591	Oomycete	Phra	Phra_82591	Phra_82591_secreted
CE13	355	Phyra82601	455	8.00E-25	33	253	84	318	0.61971831	Phytophthora_ramorum	Phytophthora	CE13_Phyra82601	Oomycete	Phra	Phra_82601	Phra_82601_secreted
CBM59	145	Phyra82605	181	0.0003	5	66	116	178	0.420689655	Phytophthora_ramorum	Phytophthora	CBM59_Phyra82605	Oomycete	Phra	Phra_82605	Phra_82605_secreted
CE10	341	Phyra82759	555	5.20E-28	75	193	97	247	0.346041056	Phytophthora_ramorum	Phytophthora	CE10_Phyra82759	Oomycete	Phra	Phra_82759	Phra_82759_secreted
CE10	341	Phyra82760	558	6.00E-32	75	193	98	244	0.346041056	Phytophthora_ramorum	Phytophthora	CE10_Phyra82760	Oomycete	Phra	Phra_82760	Phra_82760_secreted
CE10	341	Phyra82761	559	2.40E-28	75	187	98	227	0.328445748	Phytophthora_ramorum	Phytophthora	CE10_Phyra82761	Oomycete	Phra	Phra_82761	Phra_82761_secreted
GT4	160	Phyra82828	401	0.0000033	77	136	251	310	0.36875	Phytophthora_ramorum	Phytophthora	GT4_Phyra82828	Oomycete	Phra	Phra_82828	Phra_82828_secreted
GT4	160	Phyra82829	512	0.00002	71	136	364	429	0.40625	Phytophthora_ramorum	Phytophthora	GT4_Phyra82829	Oomycete	Phra	Phra_82829	Phra_82829
GT4	160	Phyra82830	337	0.000000001	72	138	187	253	0.4125	Phytophthora_ramorum	Phytophthora	GT4_Phyra82830	Oomycete	Phra	Phra_82830	Phra_82830
GT4	160	Phyra82831	520	0.000000006	71	139	372	440	0.425	Phytophthora_ramorum	Phytophthora	GT4_Phyra82831	Oomycete	Phra	Phra_82831	Phra_82831
GH78	504	Phyra82832	707	1.90E-73	7	503	65	640	0.984126984	Phytophthora_ramorum	Phytophthora	GH78_Phyra82832	Oomycete	Phra	Phra_82832	Phra_82832_secreted
GH78	504	Phyra82838	695	3.50E-72	7	503	63	636	0.984126984	Phytophthora_ramorum	Phytophthora	GH78_Phyra82838	Oomycete	Phra	Phra_82838	Phra_82838_secreted
GH37	491	Phyra82922	862	5.50E-157	1	491	303	843	0.99796334	Phytophthora_ramorum	Phytophthora	GH37_Phyra82922	Oomycete	Phra	Phra_82922	Phra_82922_secreted
GH37	491	Phyra82934	749	2.10E-160	2	489	193	740	0.991853361	Phytophthora_ramorum	Phytophthora	GH37_Phyra82934	Oomycete	Phra	Phra_82934	Phra_82934
CBM20	90	Phyra82938	1149	0.000000074	2	82	81	165	0.888888889	Phytophthora_ramorum	Phytophthora	CBM20_Phyra82938	Oomycete	Phra	Phra_82938	Phra_82938
GT20	475	Phyra82938	1149	2.20E-134	14	474	288	784	0.968421053	Phytophthora_ramorum	Phytophthora	GT20_Phyra82938	Oomycete	Phra	Phra_82938	Phra_82938
GH24	137	Phyra82999	167	0.00043	21	71	65	114	0.364963504	Phytophthora_ramorum	Phytophthora	GH24_Phyra82999	Oomycete	Phra	Phra_82999	Phra_82999
GT95	294	Phyra83010	958	0.000000059	131	223	722	810	0.31292517	Phytophthora_ramorum	Phytophthora	GT95_Phyra83010	Oomycete	Phra	Phra_83010	Phra_83010
GT96	307	Phyra83010	958	6.50E-20	2	112	522	651	0.358306189	Phytophthora_ramorum	Phytophthora	GT96_Phyra83010	Oomycete	Phra	Phra_83010	Phra_83010
GH105	332	Phyra83050	401	1.40E-46	20	332	58	398	0.939759036	Phytophthora_ramorum	Phytophthora	GH105_Phyra83050	Oomycete	Phra	Phra_83050	Phra_83050_secreted
GH16	189	Phyra83087	629	0.000000003	125	189	410	525	0.338624339	Phytophthora_ramorum	Phytophthora	GH16_Phyra83087	Oomycete	Phra	Phra_83087	Phra_83087
GH16	189	Phyra83087	629	0.000000074	4	115	28	242	0.587301587	Phytophthora_ramorum	Phytophthora	GH16_Phyra83087	Oomycete	Phra	Phra_83087	Phra_83087
GH72	312	Phyra83092	494	2.50E-72	5	285	28	336	0.897435897	Phytophthora_ramorum	Phytophthora	GH72_Phyra83092	Oomycete	Phra	Phra_83092	Phra_83092_secreted
GH10	303	Phyra83132	356	9.20E-74	10	289	44	333	0.920792079	Phytophthora_ramorum	Phytophthora	GH10_Phyra83132	Oomycete	Phra	Phra_83132	Phra_83132_secreted
GH10	303	Phyra83134	356	2.80E-76	10	289	44	333	0.920792079	Phytophthora_ramorum	Phytophthora	GH10_Phyra83134	Oomycete	Phra	Phra_83134	Phra_83134_secreted
GH12	156	Phyra83138	260	7.10E-37	2	156	94	242	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra83138	Oomycete	Phra	Phra_83138	Phra_83138_secreted
GH12	156	Phyra83139	242	1.60E-42	2	156	91	239	0.987179487	Phytophthora_ramorum	Phytophthora	GH12_Phyra83139	Oomycete	Phra	Phra_83139	Phra_83139_secreted
GT2	168	Phyra83142	1019	1.20E-14	2	168	344	701	0.988095238	Phytophthora_ramorum	Phytophthora	GT2_Phyra83142	Oomycete	Phra	Phra_83142	Phra_83142
GH5	275	Phyra83156	485	4.50E-41	28	238	173	456	0.763636364	Phytophthora_ramorum	Phytophthora	GH5_Phyra83156	Oomycete	Phra	Phra_83156	Phra_83156_secreted
GH5	275	Phyra83160	413	7.30E-34	28	239	107	392	0.767272727	Phytophthora_ramorum	Phytophthora	GH5_Phyra83160	Oomycete	Phra	Phra_83160	Phra_83160_secreted
GH3	216	Phyra83174	777	5.30E-61	5	215	113	334	0.972222222	Phytophthora_ramorum	Phytophthora	GH3_Phyra83174	Oomycete	Phra	Phra_83174	Phra_83174_secreted
AA7	458	Phyra83272	508	4.00E-48	4	222	58	284	0.475982533	Phytophthora_ramorum	Phytophthora	AA7_Phyra83272	Oomycete	Phra	Phra_83272	Phra_83272_secreted
CE12	210	Phyra83318	241	1.50E-16	2	203	13	203	0.957142857	Phytophthora_ramorum	Phytophthora	CE12_Phyra83318	Oomycete	Phra	Phra_83318	Phra_83318
CBM13	188	Phyra83420	2013	8.90E-17	9	149	1079	1225	0.744680851	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
CBM13	188	Phyra83420	2013	4.90E-16	11	137	1245	1378	0.670212766	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete			

CBM13	188	Phyra83420	2013	9.20E-15	6	137	261	398	0.696808511	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
CBM13	188	Phyra83420	2013	2.50E-14	12	133	1413	1536	0.643617021	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
CBM13	188	Phyra83420	2013	3.40E-14	10	153	916	1065	0.760638298	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
CBM13	188	Phyra83420	2013	2.20E-13	9	143	585	725	0.712765957	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
CBM13	188	Phyra83420	2013	1.10E-12	10	138	425	559	0.680851064	Phytophthora_ramorum	Phytophthora	CBM13_Phyra83420	Oomycete	Phra	Phra_83420	Phra_83420
GT71	264	Phyra83495	480	1.30E-45	2	257	99	362	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra83495	Oomycete	Phra	Phra_83495	Phra_83495
GT71	264	Phyra83496	462	1.10E-40	4	257	83	345	0.958333333	Phytophthora_ramorum	Phytophthora	GT71_Phyra83496	Oomycete	Phra	Phra_83496	Phra_83496
CE1	227	Phyra83509	419	0.0000057	22	143	157	333	0.533039648	Phytophthora_ramorum	Phytophthora	CE1_Phyra83509	Oomycete	Phra	Phra_83509	Phra_83509
GH1	429	Phyra83519	544	4.80E-136	3	427	30	512	0.988344988	Phytophthora_ramorum	Phytophthora	GH1_Phyra83519	Oomycete	Phra	Phra_83519	Phra_83519_secreted
GH1	429	Phyra83520	542	4.70E-136	3	427	30	512	0.988344988	Phytophthora_ramorum	Phytophthora	GH1_Phyra83520	Oomycete	Phra	Phra_83520	Phra_83520_secreted
CE10	341	Phyra83540	341	1.70E-09	79	256	76	258	0.519061584	Phytophthora_ramorum	Phytophthora	CE10_Phyra83540	Oomycete	Phra	Phra_83540	Phra_83540
GT10	347	Phyra83545	279	9.00E-42	165	305	94	244	0.403458213	Phytophthora_ramorum	Phytophthora	GT10_Phyra83545	Oomycete	Phra	Phra_83545	Phra_83545
GT31	192	Phyra83548	608	1.60E-33	3	191	237	446	0.979166667	Phytophthora_ramorum	Phytophthora	GT31_Phyra83548	Oomycete	Phra	Phra_83548	Phra_83548_secreted
GH28	325	Phyra83562	390	8.90E-58	7	317	76	390	0.953846154	Phytophthora_ramorum	Phytophthora	GH28_Phyra83562	Oomycete	Phra	Phra_83562	Phra_83562_secreted
GH28	325	Phyra83564	362	7.20E-64	6	317	47	362	0.956923077	Phytophthora_ramorum	Phytophthora	GH28_Phyra83564	Oomycete	Phra	Phra_83564	Phra_83564_secreted
GH28	325	Phyra83565	362	1.30E-63	6	316	47	361	0.953846154	Phytophthora_ramorum	Phytophthora	GH28_Phyra83565	Oomycete	Phra	Phra_83565	Phra_83565_secreted
GH28	325	Phyra83568	372	4.50E-61	6	308	59	363	0.929230769	Phytophthora_ramorum	Phytophthora	GH28_Phyra83568	Oomycete	Phra	Phra_83568	Phra_83568_secreted
GH28	325	Phyra83573	284	2.00E-20	194	309	157	274	0.353846154	Phytophthora_ramorum	Phytophthora	GH28_Phyra83573	Oomycete	Phra	Phra_83573	Phra_83573_secreted
GH28	325	Phyra83573	284	8.20E-13	5	127	45	156	0.375384615	Phytophthora_ramorum	Phytophthora	GH28_Phyra83573	Oomycete	Phra	Phra_83573	Phra_83573_secreted
GH28	325	Phyra83574	349	3.70E-63	4	317	44	349	0.963076923	Phytophthora_ramorum	Phytophthora	GH28_Phyra83574	Oomycete	Phra	Phra_83574	Phra_83574_secreted
GH31	427	Phyra83643	800	6.30E-56	12	422	297	767	0.960187354	Phytophthora_ramorum	Phytophthora	GH31_Phyra83643	Oomycete	Phra	Phra_83643	Phra_83643_secreted
GT4	160	Phyra83654	553	0.000014	68	135	374	442	0.41875	Phytophthora_ramorum	Phytophthora	GT4_Phyra83654	Oomycete	Phra	Phra_83654	Phra_83654
GT4	160	Phyra83663	512	0.00011	63	136	346	419	0.45625	Phytophthora_ramorum	Phytophthora	GT4_Phyra83663	Oomycete	Phra	Phra_83663	Phra_83663
CE10	341	Phyra83701	443	2.10E-33	90	337	182	427	0.724340176	Phytophthora_ramorum	Phytophthora	CE10_Phyra83701	Oomycete	Phra	Phra_83701	Phra_83701
GH81	622	Phyra83712	595	1.30E-140	103	622	1	588	0.834405145	Phytophthora_ramorum	Phytophthora	GH81_Phyra83712	Oomycete	Phra	Phra_83712	Phra_83712
GH72	312	Phyra83721	979	2.20E-70	5	289	29	339	0.91025641	Phytophthora_ramorum	Phytophthora	GH72_Phyra83721	Oomycete	Phra	Phra_83721	Phra_83721_secreted
GH72	312	Phyra83721	979	1.50E-65	4	284	524	817	0.897435897	Phytophthora_ramorum	Phytophthora	GH72_Phyra83721	Oomycete	Phra	Phra_83721	Phra_83721_secreted
GH72	312	Phyra83722	507	2.60E-73	4	284	32	340	0.897435897	Phytophthora_ramorum	Phytophthora	GH72_Phyra83722	Oomycete	Phra	Phra_83722	Phra_83722_secreted
GH72	312	Phyra83728	494	1.40E-67	5	284	19	333	0.894230769	Phytophthora_ramorum	Phytophthora	GH72_Phyra83728	Oomycete	Phra	Phra_83728	Phra_83728_secreted
GT62	268	Phyra83780	387	4.10E-39	20	266	115	344	0.917910448	Phytophthora_ramorum	Phytophthora	GT62_Phyra83780	Oomycete	Phra	Phra_83780	Phra_83780
CE4	130	Phyra83860	325	1.00E-17	5	125	81	242	0.923076923	Phytophthora_ramorum	Phytophthora	CE4_Phyra83860	Oomycete	Phra	Phra_83860	Phra_83860_secreted
GH5	275	Phyra83874	583	6.60E-31	3	240	184	534	0.861818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra83874	Oomycete	Phra	Phra_83874	Phra_83874
GH5	275	Phyra83875	566	5.30E-30	3	239	163	515	0.858181818	Phytophthora_ramorum	Phytophthora	GH5_Phyra83875	Oomycete	Phra	Phra_83875	Phra_83875
GH5	275	Phyra83876	456	0.000000045	3	88	177	264	0.309090909	Phytophthora_ramorum	Phytophthora	GH5_Phyra83876	Oomycete	Phra	Phra_83876	Phra_83876
GH81	622	Phyra83918	441	2.80E-43	17	299	117	427	0.453376206	Phytophthora_ramorum	Phytophthora	GH81_Phyra83918	Oomycete	Phra	Phra_83918	Phra_83918
CE10	341	Phyra84015	722	2.60E-24	74	215	514	666	0.413489736	Phytophthora_ramorum	Phytophthora	CE10_Phyra84015	Oomycete	Phra	Phra_84015	Phra_84015
GT60	330	Phyra84015	722	1.80E-72	4	329	96	398	0.984848485	Phytophthora_ramorum	Phytophthora	GT60_Phyra84015	Oomycete	Phra	Phra_84015	Phra_84015
GT2	168	Phyra84041	1146	2.90E-10	2	165	267	487	0.970238095	Phytophthora_ramorum	Phytophthora	GT2_Phyra84041	Oomycete	Phra	Phra_84041	Phra_84041
GH131	255	Phyra84053	321	8.10E-25	35	251	60	265	0.847058824	Phytophthora_ramorum	Phytophthora	GH131_Phyra84053	Oomycete	Phra	Phra_84053	Phra_84053_secreted
GH131	255	Phyra84054	299	6.40E-18	23	247	47	260	0.878431373	Phytophthora_ramorum	Phytophthora	GH131_Phyra84054	Oomycete	Phra	Phra_84054	Phra_84054_secreted
GH131	255	Phyra84055	401	5.50E-23	50	246	76	256	0.768627451	Phytophthora_ramorum	Phytophthora	GH131_Phyra84055	Oomycete	Phra	Phra_84055	Phra_84055_secreted
GH131	255	Phyra84066	292	1.40E-16	3	252	30	265	0.976470588	Phytophthora_ramorum	Phytophthora	GH131_Phyra84066	Oomycete	Phra	Phra_84066	Phra_84066_secreted
CBM38	129	Phyra84069	987	6.60E-22	4	128	418	636	0.96124031	Phytophthora_ramorum	Phytophthora	CBM38_Phyra84069	Oomycete	Phra	Phra_84069	Phra_84069
CE12	210	Phyra84149	552	1.40E-16	2	160	20	191	0.752380952	Phytophthora_ramorum	Phytophthora	CE12_Phyra84149	Oomycete	Phra	Phra_84149	Phra_84149
CE12	210	Phyra84149	552	6.00E-11	2	158	327	496	0.742857143	Phytophthora_ramorum	Phytophthora	CE12_Phyra84149	Oomycete	Phra	Phra_84149	Phra_84149
CBM43	83	Phyra84167	1648	9.70E-15	2	77	1512	1583	0.903614458	Phytophthora_ramorum	Phytophthora	CBM43_Phyra84167	Oomycete	Phra	Phra_84167	Phra_84167
GH81	622	Phyra84172	1123	7.10E-168	13	621	219	880	0.977491961	Phytophthora_ramorum	Phytophthora	GH81_Phyra84172	Oomycete	Phra	Phra_84172	Phra_84172
CBM9	182	Phyra84205	123	1.80E-22	2	83	38	123	0.445054945	Phytophthora_ramorum	Phytophthora	CBM9_Phyra84205	Oomycete	Phra	Phra_84205	Phra_84205
CBM9	182	Phyra84207	1884	1.00E-26	2	143	38	196	0.774725275	Phytophthora_ramorum	Phytophthora	CBM9_Phyra84207	Oomycete	Phra	Phra_84207	Phra_84207
GH5	275	Phyra84336	556	3.00E-27	24	184	329	546	0.581818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra84336	Oomycete	Phra	Phra_84336	Phra_84336_secreted
GH5	275	Phyra84338	523	3.50E-35	24	239	218	505	0.781818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra84338	Oomycete	Phra	Phra_84338	Phra_84338_secreted
GH5	275	Phyra84339	630	4.90E-36	24	239	325	612	0.781818182	Phytophthora_ramorum	Phytophthora	GH5_Phyra84339	Oomycete	Phra	Phra_84339	Phra_84339_secreted
GH5	275	Phyra84340	552	2.70E-27	34	178	311	529	0.523636364	Phytophthora_ramorum	Phytophthora	GH5_Phyra84340	Oomycete	Phra	Phra_84340	Phra_84340
GH5	275	Phyra84341	566	8.60E-39	21	244	257	552	0.810909091	Phytophthora_ramorum	Phytophthora	GH5_Phyra84341	Oomycete	Phra	Phra_84341	Phra_84341
GH5	275	Phyra84342	638	3.00E-38	21	237	330	618	0.785454546	Phytophthora_ramorum	Phytophthora	GH5_Phyra84342	Oomycete	Phra	Phra_84342	Phra_84342_secreted
CE10	341	Phyra84465	543	2.90E-24	65	180	103	229	0.337243402	Phytophthora_ramorum	Phytophthora	CE10_Phyra84465	Oomycete	Phra	Phra_84465	Phra_84465_secreted
CE10	341	Phyra84466	525	9.60E-23	65	183	85	214	0.346041056	Phytophthora_ramorum	Phytophthora	CE10_Phyra84466	Oomycete	Phra	Phra_84466	Phra_84466_secreted
CE10	341	Phyra84467	550	8.90E-25	68	177	107	227	0.319648094	Phytophthora_ramorum	Phytophthora	CE10_Phyra84467	Oomycete	Phra	Phra_84467	Phra_84467
GT1	382	Phyra84481	1363	3.00E-50	92	377	116	433	0.746073298	Phytophthora_ramorum	Phytophthora	GT1_Phyra84481	Oomycete	Phra	Phra_84481	Phra_84481
GT1	382	Phyra84481	1363	3.20E-15	120	374	903	1194	0.664921466	Phytophthora_ramorum	Phytophthora	GT1_Phyra84481	Oomycete	Phra	Phra_84481	Phra_84481
GT31	192	Phyra84485	353	0.0000004	53	150	162	245	0.505208333	Phytophthora_ramorum	Phytophthora	GT31_Phyra84485	Oomycete	Phra	Phra_84485	Phra_84485
CBM20	90	Phyra84498	1209	0.0000036	2	74	21	99	0.8	Phytophthora_ramorum	Phytophthora	CBM20_Phyra84498	Oomycete	Phra	Phra_84498	Phra_84498
GT20	475	Phyra84498	1209	4.00E-128	7	475	246	745	0.985263158	Phytophthora_ramorum	Phytophthora	GT20_Phyra84498	Oomycete	Phra	Phra_84498	Phra_84498
CE13	355	Phyra84522	488	1.90E-24	29	219	81	288	0.535211268	Phytophthora_ramorum	Phytophthora	CE13_Phyra84522	Oomycete	Phra	Phra_84522	Phra_84522_secreted
CE13	355	Phyra84523	531	2.40E-24	29	219	81	288	0.535211268	Phytophthora_ramorum	Phytophthora	CE13_Phyra84523	Oomycete	Phra	Phra_84523	Phra_84523_secreted
GH3	216	Phyra84532	507	2.20E-61	5	215	113	334	0.972222222	Phytophthora_ramorum	Phytophthora	GH3_Phyra84532	Oomycete	Phra	Phra_84532	Phra_84532_secreted
GH63	570	Phyra84565	897	8.80E-24	318	567	604	895	0.436842105	Phytophthora_ramorum	Phytophthora	GH63_Phyra84565	Oomycete	Phra	Phra_84565	Phra_84565
AA3	618	Phyra84615	588	3.00E-108	75	399	19	566	0.524271845	Phytophthora_ramorum	Phytophthora	AA3_Phyra84615	Oomycete	Phra	Phra_84615	Phra_84615
AA3	618	Phyra84628	574	3.40E-104	83	410	26	563	0.529126214	Phytophthora_ramorum	Phytophthora	AA3_Phyra846				

PL4	567	Phyra84663	544	4.60E-104	4	563	25	530	0.985890653	Phytophthora_ramorum	Phytophthora	PL4_Phyra84663	Oomycete	Phra	Phra_84663	Phra_84663_secreted
GT1	382	Phyra84690	1357	1.10E-51	93	375	243	556	0.738219895	Phytophthora_ramorum	Phytophthora	GT1_Phyra84690	Oomycete	Phra	Phra_84690	Phra_84690
GT1	382	Phyra84690	1357	9.50E-17	88	375	919	1249	0.751308901	Phytophthora_ramorum	Phytophthora	GT1_Phyra84690	Oomycete	Phra	Phra_84690	Phra_84690
CBM38	129	Phyra84754	877	8.40E-18	26	128	390	526	0.790697674	Phytophthora_ramorum	Phytophthora	CBM38_Phyra84754	Oomycete	Phra	Phra_84754	Phra_84754
GH10	303	Phyra84765	351	4.50E-52	104	289	1	197	0.610561056	Phytophthora_ramorum	Phytophthora	GH10_Phyra84765	Oomycete	Phra	Phra_84765	Phra_84765
GT90	250	Phyra84788	726	8.50E-30	3	240	253	597	0.948	Phytophthora_ramorum	Phytophthora	GT90_Phyra84788	Oomycete	Phra	Phra_84788	Phra_84788
GH30	417	Phyra84830	501	2.50E-58	9	414	22	491	0.971223022	Phytophthora_ramorum	Phytophthora	GH30_Phyra84830	Oomycete	Phra	Phra_84830	Phra_84830_secreted
GH6	294	Phyra84834	408	8.60E-60	13	288	32	285	0.93537415	Phytophthora_ramorum	Phytophthora	GH6_Phyra84834	Oomycete	Phra	Phra_84834	Phra_84834_secreted
PL3	197	Phyra84933	299	7.60E-37	2	196	74	267	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra84933	Oomycete	Phra	Phra_84933	Phra_84933_secreted
GT60	330	Phyra85170	485	7.10E-61	2	330	63	377	0.993939394	Phytophthora_ramorum	Phytophthora	GT60_Phyra85170	Oomycete	Phra	Phra_85170	Phra_85170
GT60	330	Phyra85174	528	7.80E-55	4	329	68	377	0.984848485	Phytophthora_ramorum	Phytophthora	GT60_Phyra85174	Oomycete	Phra	Phra_85174	Phra_85174
GT60	330	Phyra85176	1110	5.80E-56	2	330	70	383	0.993939394	Phytophthora_ramorum	Phytophthora	GT60_Phyra85176	Oomycete	Phra	Phra_85176	Phra_85176
GT60	330	Phyra85176	1110	3.40E-54	4	329	650	959	0.984848485	Phytophthora_ramorum	Phytophthora	GT60_Phyra85176	Oomycete	Phra	Phra_85176	Phra_85176
GH17	311	Phyra85261	381	3.90E-28	2	306	39	306	0.977491961	Phytophthora_ramorum	Phytophthora	GH17_Phyra85261	Oomycete	Phra	Phra_85261	Phra_85261_secreted
GT60	330	Phyra85295	555	1.10E-58	1	330	68	381	0.996969697	Phytophthora_ramorum	Phytophthora	GT60_Phyra85295	Oomycete	Phra	Phra_85295	Phra_85295
CE1	227	Phyra85311	419	0.00000052	22	143	157	333	0.533039648	Phytophthora_ramorum	Phytophthora	CE1_Phyra85311	Oomycete	Phra	Phra_85311	Phra_85311
GT71	264	Phyra85315	497	1.50E-46	2	257	113	376	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra85315	Oomycete	Phra	Phra_85315	Phra_85315
GT71	264	Phyra85316	1027	2.30E-42	6	257	131	392	0.950757576	Phytophthora_ramorum	Phytophthora	GT71_Phyra85316	Oomycete	Phra	Phra_85316	Phra_85316
GT71	264	Phyra85316	1027	8.80E-39	11	257	649	905	0.931818182	Phytophthora_ramorum	Phytophthora	GT71_Phyra85316	Oomycete	Phra	Phra_85316	Phra_85316
GT71	264	Phyra85317	485	1.60E-41	2	257	105	370	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra85317	Oomycete	Phra	Phra_85317	Phra_85317
CE10	341	Phyra85399	443	4.00E-33	90	335	182	425	0.718475073	Phytophthora_ramorum	Phytophthora	CE10_Phyra85399	Oomycete	Phra	Phra_85399	Phra_85399
GH81	622	Phyra85407	551	3.40E-50	16	318	68	440	0.485530547	Phytophthora_ramorum	Phytophthora	GH81_Phyra85407	Oomycete	Phra	Phra_85407	Phra_85407_secreted
GH10	303	Phyra85409	1361	1.40E-83	3	289	37	335	0.943894389	Phytophthora_ramorum	Phytophthora	GH10_Phyra85409	Oomycete	Phra	Phra_85409	Phra_85409_secreted
PL1	202	Phyra85622	419	2.50E-42	21	200	124	317	0.886138614	Phytophthora_ramorum	Phytophthora	PL1_Phyra85622	Oomycete	Phra	Phra_85622	Phra_85622_secreted
PL1	202	Phyra85623	938	4.20E-42	20	200	619	813	0.891089109	Phytophthora_ramorum	Phytophthora	PL1_Phyra85623	Oomycete	Phra	Phra_85623	Phra_85623_secreted
PL1	202	Phyra85623	938	5.50E-42	20	200	124	318	0.891089109	Phytophthora_ramorum	Phytophthora	PL1_Phyra85623	Oomycete	Phra	Phra_85623	Phra_85623_secreted
PL1	202	Phyra85625	687	5.80E-26	18	126	428	536	0.534653465	Phytophthora_ramorum	Phytophthora	PL1_Phyra85625	Oomycete	Phra	Phra_85625	Phra_85625
PL1	202	Phyra85625	687	9.40E-26	92	200	38	158	0.534653465	Phytophthora_ramorum	Phytophthora	PL1_Phyra85625	Oomycete	Phra	Phra_85625	Phra_85625
PL1	202	Phyra85626	379	3.20E-25	22	159	123	272	0.678217822	Phytophthora_ramorum	Phytophthora	PL1_Phyra85626	Oomycete	Phra	Phra_85626	Phra_85626_secreted
GT10	347	Phyra85700	279	9.00E-42	165	305	94	244	0.403458213	Phytophthora_ramorum	Phytophthora	GT10_Phyra85700	Oomycete	Phra	Phra_85700	Phra_85700
GT20	475	Phyra85749	1425	1.90E-151	11	474	608	1074	0.974736842	Phytophthora_ramorum	Phytophthora	GT20_Phyra85749	Oomycete	Phra	Phra_85749	Phra_85749
AA10	178	Phyra85928	208	0.00000098	74	177	76	178	0.578651685	Phytophthora_ramorum	Phytophthora	AA10_Phyra85928	Oomycete	Phra	Phra_85928	Phra_85928_secreted
GH81	622	Phyra85960	795	1.20E-179	17	621	117	789	0.971061093	Phytophthora_ramorum	Phytophthora	GH81_Phyra85960	Oomycete	Phra	Phra_85960	Phra_85960
GH16	189	Phyra86023	635	0.000000035	122	189	502	628	0.354497355	Phytophthora_ramorum	Phytophthora	GH16_Phyra86023	Oomycete	Phra	Phra_86023	Phra_86023_secreted
AA2	255	Phyra86067	225	1.20E-25	33	252	2	217	0.858823529	Phytophthora_ramorum	Phytophthora	AA2_Phyra86067	Oomycete	Phra	Phra_86067	Phra_86067
PL3	197	Phyra86169	628	2.70E-67	2	196	402	600	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra86169	Oomycete	Phra	Phra_86169	Phra_86169_secreted
PL3	197	Phyra86169	628	4.70E-67	2	196	31	228	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra86169	Oomycete	Phra	Phra_86169	Phra_86169_secreted
GH17	311	Phyra86291	241	0.000000098	24	181	75	211	0.504823151	Phytophthora_ramorum	Phytophthora	GH17_Phyra86291	Oomycete	Phra	Phra_86291	Phra_86291_secreted
PL4	567	Phyra86292	544	4.60E-104	4	563	25	530	0.985890653	Phytophthora_ramorum	Phytophthora	PL4_Phyra86292	Oomycete	Phra	Phra_86292	Phra_86292_secreted
GT60	330	Phyra86423	1349	4.50E-27	130	329	1	196	0.603030303	Phytophthora_ramorum	Phytophthora	GT60_Phyra86423	Oomycete	Phra	Phra_86423	Phra_86423
GH3	216	Phyra86457	265	1.40E-38	4	195	70	261	0.884259259	Phytophthora_ramorum	Phytophthora	GH3_Phyra86457	Oomycete	Phra	Phra_86457	Phra_86457_secreted
GH3	216	Phyra86458	414	2.60E-13	4	76	70	142	0.333333333	Phytophthora_ramorum	Phytophthora	GH3_Phyra86458	Oomycete	Phra	Phra_86458	Phra_86458_secreted
CE10	341	Phyra86459	284	9.90E-29	75	183	97	222	0.316715543	Phytophthora_ramorum	Phytophthora	CE10_Phyra86459	Oomycete	Phra	Phra_86459	Phra_86459_secreted
GT60	330	Phyra86503	197	9.20E-26	4	145	68	197	0.427272727	Phytophthora_ramorum	Phytophthora	GT60_Phyra86503	Oomycete	Phra	Phra_86503	Phra_86503_secreted
GH47	446	Phyra86595	280	3.90E-41	1	176	89	256	0.392376682	Phytophthora_ramorum	Phytophthora	GH47_Phyra86595	Oomycete	Phra	Phra_86595	Phra_86595
GT71	264	Phyra86685	339	6.10E-34	63	257	21	219	0.734848485	Phytophthora_ramorum	Phytophthora	GT71_Phyra86685	Oomycete	Phra	Phra_86685	Phra_86685
GT31	192	Phyra86725	477	2.30E-36	3	191	226	422	0.979166667	Phytophthora_ramorum	Phytophthora	GT31_Phyra86725	Oomycete	Phra	Phra_86725	Phra_86725_secreted
GH6	294	Phyra86772	486	5.00E-61	13	288	44	297	0.93537415	Phytophthora_ramorum	Phytophthora	GH6_Phyra86772	Oomycete	Phra	Phra_86772	Phra_86772_secreted
GH3	216	Phyra86891	759	1.70E-55	4	201	93	300	0.912037037	Phytophthora_ramorum	Phytophthora	GH3_Phyra86891	Oomycete	Phra	Phra_86891	Phra_86891_secreted
GH3	216	Phyra86917	473	1.70E-17	4	98	114	206	0.435185185	Phytophthora_ramorum	Phytophthora	GH3_Phyra86917	Oomycete	Phra	Phra_86917	Phra_86917_secreted
GH3	216	Phyra86918	357	6.50E-56	4	207	114	327	0.939814815	Phytophthora_ramorum	Phytophthora	GH3_Phyra86918	Oomycete	Phra	Phra_86918	Phra_86918_secreted
PL1	202	Phyra86921	512	6.50E-46	18	200	160	355	0.900990099	Phytophthora_ramorum	Phytophthora	PL1_Phyra86921	Oomycete	Phra	Phra_86921	Phra_86921
GH3	216	Phyra86922	787	4.70E-59	5	216	116	338	0.976851852	Phytophthora_ramorum	Phytophthora	GH3_Phyra86922	Oomycete	Phra	Phra_86922	Phra_86922_secreted
CE10	341	Phyra86925	341	1.80E-09	79	254	76	256	0.513196481	Phytophthora_ramorum	Phytophthora	CE10_Phyra86925	Oomycete	Phra	Phra_86925	Phra_86925
GH17	311	Phyra86943	413	1.00E-18	24	306	75	318	0.906752412	Phytophthora_ramorum	Phytophthora	GH17_Phyra86943	Oomycete	Phra	Phra_86943	Phra_86943_secreted
CE1	227	Phyra86961	332	0.000000011	29	143	44	190	0.502202643	Phytophthora_ramorum	Phytophthora	CE1_Phyra86961	Oomycete	Phra	Phra_86961	Phra_86961
GH81	622	Phyra86971	804	1.00E-85	362	622	259	540	0.418006431	Phytophthora_ramorum	Phytophthora	GH81_Phyra86971	Oomycete	Phra	Phra_86971	Phra_86971_secreted
CBM13	188	Phyra87146	593	0.000000002	25	138	84	202	0.60106383	Phytophthora_ramorum	Phytophthora	CBM13_Phyra87146	Oomycete	Phra	Phra_87146	Phra_87146
GT71	264	Phyra87151	584	1.10E-41	1	261	8	280	0.984848485	Phytophthora_ramorum	Phytophthora	GT71_Phyra87151	Oomycete	Phra	Phra_87151	Phra_87151
GH13	299	Phyra87156	771	3.00E-20	21	258	327	642	0.792642141	Phytophthora_ramorum	Phytophthora	GH13_Phyra87156	Oomycete	Phra	Phra_87156	Phra_87156_secreted
GH81	622	Phyra87159	501	1.00E-39	4	322	84	501	0.511254019	Phytophthora_ramorum	Phytophthora	GH81_Phyra87159	Oomycete	Phra	Phra_87159	Phra_87159
PL6	372	Phyra87178	1119	0.000000023	6	154	419	572	0.397849462	Phytophthora_ramorum	Phytophthora	PL6_Phyra87178	Oomycete	Phra	Phra_87178	Phra_87178
GT57	481	Phyra87257	273	2.20E-62	233	478	1	250	0.509355509	Phytophthora_ramorum	Phytophthora	GT57_Phyra87257	Oomycete	Phra	Phra_87257	Phra_87257
GT1	382	Phyra87277	1094	1.40E-34	243	377	5	152	0.35078534	Phytophthora_ramorum	Phytophthora	GT1_Phyra87277	Oomycete	Phra	Phra_87277	Phra_87277
GT1	382	Phyra87277	1094	8.40E-17	120	375	622	914	0.667539267	Phytophthora_ramorum	Phytophthora	GT1_Phyra87277	Oomycete	Phra	Phra_87277	Phra_87277
GT71	264	Phyra87344	621	2.60E-46	2	257	254	517	0.965909091	Phytophthora_ramorum	Phytophthora	GT71_Phyra87344	Oomycete	Phra	Phra_87344	Phra_87344_secreted
PL1	202	Phyra87344	621	8.50E-26	16	129	117	235	0.559405941	Phytophthora_ramorum	Phytophthora	PL1_Phyra87344	Oomycete	Phra	Phra_87344	Phra_87344_secreted
GH3	216	Phyra87383	403	9.10E-56	4	207	109	322	0.939814815	Phytophthora_ramorum	Phytophthora	GH3_Phyra87383	Oomycete	Phra	Phra_87383	Phra_87383_secreted
GH5	275	Phyra87384	661	1.80E-27	37	239	10	320	0.734545455	Phytophthora_ramorum	Phytophthora	GH5_Phyra87384	Oomycete	Phra		

PL3	197	Phyra87411	556	1.00E-66	2	196	330	528	0.984771574	Phytophthora_ramorum	Phytophthora	PL3_Phyra87411	Oomycete	Phra	Phra_87411	Phra_87411_secreted
CBM18	38	Phyra87462	842	0.00076	7	27	728	753	0.52631579	Phytophthora_ramorum	Phytophthora	CBM18_Phyra87462	Oomycete	Phra	Phra_87462	Phra_87462
CE1	227	Phyra87548	426	0.00000015	9	202	36	288	0.850220264	Phytophthora_ramorum	Phytophthora	CE1_Phyra87548	Oomycete	Phra	Phra_87548	Phra_87548
GH16	189	Phyra87686	312	0.00000092	4	91	62	219	0.46031746	Phytophthora_ramorum	Phytophthora	GH16_Phyra87686	Oomycete	Phra	Phra_87686	Phra_87686
CE8	288	Phyra87810	146	1.20E-39	151	275	2	124	0.430555556	Phytophthora_ramorum	Phytophthora	CE8_Phyra87810	Oomycete	Phra	Phra_87810	Phra_87810
CE8	288	Phyra87811	275	4.60E-51	9	226	49	275	0.753472222	Phytophthora_ramorum	Phytophthora	CE8_Phyra87811	Oomycete	Phra	Phra_87811	Phra_87811_secreted
CBM63	78	Phyra87827	665	0.00000005	2	74	140	213	0.923076923	Phytophthora_ramorum	Phytophthora	CBM63_Phyra87827	Oomycete	Phra	Phra_87827	Phra_87827_secreted
GH10	303	Phyra93440	321	1.70E-64	83	289	85	298	0.679867987	Phytophthora_ramorum	Phytophthora	GH10_Phyra93440	Oomycete	Phra	Phra_93440	Phra_93440
CBM1	29	Phyra93598	413	0.000014	2	29	337	362	0.931034483	Phytophthora_ramorum	Phytophthora	CBM1_Phyra93598	Oomycete	Phra	Phra_93598	Phra_93598_secreted
GT71	264	Phyra93659	587	7.60E-50	3	264	188	421	0.988636364	Phytophthora_ramorum	Phytophthora	GT71_Phyra93659	Oomycete	Phra	Phra_93659	Phra_93659
CE1	227	Phyra93863	1008	0.00000065	27	143	405	540	0.511013216	Phytophthora_ramorum	Phytophthora	CE1_Phyra93863	Oomycete	Phra	Phra_93863	Phra_93863
GT62	268	Phyra93922	397	7.70E-39	19	266	123	354	0.921641791	Phytophthora_ramorum	Phytophthora	GT62_Phyra93922	Oomycete	Phra	Phra_93922	Phra_93922
CE10	341	Phyra94134	1457	1.40E-39	76	329	1133	1412	0.741935484	Phytophthora_ramorum	Phytophthora	CE10_Phyra94134	Oomycete	Phra	Phra_94134	Phra_94134
CE10	341	Phyra94134	1457	8.60E-38	78	324	699	964	0.721407625	Phytophthora_ramorum	Phytophthora	CE10_Phyra94134	Oomycete	Phra	Phra_94134	Phra_94134
CBM32	124	Phyra94153	624	3.50E-09	10	109	501	604	0.798387097	Phytophthora_ramorum	Phytophthora	CBM32_Phyra94153	Oomycete	Phra	Phra_94153	Phra_94153
GT22	389	Phyra94257	344	2.30E-40	2	252	9	283	0.642673522	Phytophthora_ramorum	Phytophthora	GT22_Phyra94257	Oomycete	Phra	Phra_94257	Phra_94257
CE3	194	Phyra94406	257	0.00000021	53	189	78	225	0.701030928	Phytophthora_ramorum	Phytophthora	CE3_Phyra94406	Oomycete	Phra	Phra_94406	Phra_94406_secreted
GH72	312	Phyra94466	461	7.30E-77	3	285	21	322	0.903846154	Phytophthora_ramorum	Phytophthora	GH72_Phyra94466	Oomycete	Phra	Phra_94466	Phra_94466_secreted
GH1	429	Phyra94521	1854	1.20E-133	4	425	31	500	0.981351981	Phytophthora_ramorum	Phytophthora	GH1_Phyra94521	Oomycete	Phra	Phra_94521	Phra_94521_secreted
GH2	752	Phyra94534	1268	6.90E-88	35	552	31	779	0.6875	Phytophthora_ramorum	Phytophthora	GH2_Phyra94534	Oomycete	Phra	Phra_94534	Phra_94534_secreted
GH1	429	Phyra94544	570	3.30E-135	3	427	27	510	0.988344988	Phytophthora_ramorum	Phytophthora	GH1_Phyra94544	Oomycete	Phra	Phra_94544	Phra_94544
GT76	407	Phyra94555	314	9.90E-68	1	305	5	277	0.746928747	Phytophthora_ramorum	Phytophthora	GT76_Phyra94555	Oomycete	Phra	Phra_94555	Phra_94555
GT24	248	Phyra94673	1495	8.40E-123	1	248	1214	1459	0.995967742	Phytophthora_ramorum	Phytophthora	GT24_Phyra94673	Oomycete	Phra	Phra_94673	Phra_94673
CBM32	124	Phyra94776	876	0.000000075	3	110	290	399	0.862903226	Phytophthora_ramorum	Phytophthora	CBM32_Phyra94776	Oomycete	Phra	Phra_94776	Phra_94776
CBM51	134	Phyra94776	876	1.90E-11	24	122	747	857	0.731343284	Phytophthora_ramorum	Phytophthora	CBM51_Phyra94776	Oomycete	Phra	Phra_94776	Phra_94776
GT4	160	Phyra94933	1203	0.00000092	20	124	1010	1130	0.65	Phytophthora_ramorum	Phytophthora	GT4_Phyra94933	Oomycete	Phra	Phra_94933	Phra_94933_secreted
GT41	705	Phyra94933	1203	4.60E-65	50	485	41	588	0.617021277	Phytophthora_ramorum	Phytophthora	GT41_Phyra94933	Oomycete	Phra	Phra_94933	Phra_94933_secreted
GT22	389	Phyra94968	1946	1.90E-106	5	381	1472	1878	0.966580977	Phytophthora_ramorum	Phytophthora	GT22_Phyra94968	Oomycete	Phra	Phra_94968	Phra_94968
GT71	264	Phyra95021	535	2.50E-47	2	264	176	405	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra95021	Oomycete	Phra	Phra_95021	Phra_95021
CBM9	182	Phyra95313	388	2.50E-30	1	153	55	243	0.835164835	Phytophthora_ramorum	Phytophthora	CBM9_Phyra95313	Oomycete	Phra	Phra_95313	Phra_95313_secreted
GH109	126	Phyra95413	366	6.60E-09	1	125	30	148	0.984126984	Phytophthora_ramorum	Phytophthora	GH109_Phyra95413	Oomycete	Phra	Phra_95413	Phra_95413
GH89	663	Phyra95635	963	7.20E-213	2	661	261	941	0.993966818	Phytophthora_ramorum	Phytophthora	GH89_Phyra95635	Oomycete	Phra	Phra_95635	Phra_95635
GT71	264	Phyra95737	598	3.40E-49	2	264	169	399	0.992424242	Phytophthora_ramorum	Phytophthora	GT71_Phyra95737	Oomycete	Phra	Phra_95737	Phra_95737
CE10	341	Phyra95920	766	8.80E-25	74	308	488	741	0.686217009	Phytophthora_ramorum	Phytophthora	CE10_Phyra95920	Oomycete	Phra	Phra_95920	Phra_95920
AA6	195	Phyra96097	200	1.70E-83	1	195	3	197	0.994871795	Phytophthora_ramorum	Phytophthora	AA6_Phyra96097	Oomycete	Phra	Phra_96097	Phra_96097
GT41	705	Phyra96233	1993	1.80E-66	78	529	27	468	0.639716312	Phytophthora_ramorum	Phytophthora	GT41_Phyra96233	Oomycete	Phra	Phra_96233	Phra_96233_secreted
AA8	815	Phyra96418	903	7.30E-85	229	800	233	802	0.700613497	Phytophthora_ramorum	Phytophthora	AA8_Phyra96418	Oomycete	Phra	Phra_96418	Phra_96418
CBM47	128	Phyra96489	288	1.60E-11	2	124	132	268	0.953125	Phytophthora_ramorum	Phytophthora	CBM47_Phyra96489	Oomycete	Phra	Phra_96489	Phra_96489
GT2_Cellulose_synt	722	Phyra96524	2468	2.60E-09	450	678	704	928	0.315789474	Phytophthora_ramorum	Phytophthora	GT2_Cellulose_synt_Phyra96524	Oomycete	Phra	Phra_96524	Phra_96524
CE10	341	Phyra96650	517	1.70E-31	97	335	261	479	0.697947214	Phytophthora_ramorum	Phytophthora	CE10_Phyra96650	Oomycete	Phra	Phra_96650	Phra_96650
AA8	815	Phyra96680	1283	2.60E-73	240	680	257	700	0.539877301	Phytophthora_ramorum	Phytophthora	AA8_Phyra96680	Oomycete	Phra	Phra_96680	Phra_96680
AA6	195	Phyra96710	1002	8.50E-14	35	139	874	989	0.533333333	Phytophthora_ramorum	Phytophthora	AA6_Phyra96710	Oomycete	Phra	Phra_96710	Phra_96710
CBM1	29	Phyra96736	324	2.10E-09	2	26	290	314	0.827586207	Phytophthora_ramorum	Phytophthora	CBM1_Phyra96736	Oomycete	Phra	Phra_96736	Phra_96736_secreted
GH35	307	Phyra96749	1028	7.40E-87	1	306	520	821	0.993485342	Phytophthora_ramorum	Phytophthora	GH35_Phyra96749	Oomycete	Phra	Phra_96749	Phra_96749
CE12	210	Phyra96775	819	8.30E-13	2	159	61	237	0.747619048	Phytophthora_ramorum	Phytophthora	CE12_Phyra96775	Oomycete	Phra	Phra_96775	Phra_96775
CE12	210	Phyra96775	819	2.80E-12	3	162	340	518	0.757142857	Phytophthora_ramorum	Phytophthora	CE12_Phyra96775	Oomycete	Phra	Phra_96775	Phra_96775
CE12	210	Phyra96775	819	1.30E-09	2	163	585	759	0.766666667	Phytophthora_ramorum	Phytophthora	CE12_Phyra96775	Oomycete	Phra	Phra_96775	Phra_96775
GT32	90	Phyra96890	527	1.20E-15	5	88	287	364	0.922222222	Phytophthora_ramorum	Phytophthora	GT32_Phyra96890	Oomycete	Phra	Phra_96890	Phra_96890
GT1	382	Phyra96916	551	5.50E-52	91	377	174	491	0.7486911	Phytophthora_ramorum	Phytophthora	GT1_Phyra96916	Oomycete	Phra	Phra_96916	Phra_96916
GH81	622	EGZ04340	767	7.30E-179	17	621	89	761	0.971061093	Phytophthora_sojae	Phytophthora	GH81_EGZ04340	Oomycete	Phso	Phso_EGZ04340	Phso_EGZ04340
AA7	458	EGZ04403	490	2.10E-48	5	195	76	271	0.414847162	Phytophthora_sojae	Phytophthora	AA7_EGZ04403	Oomycete	Phso	Phso_EGZ04403	Phso_EGZ04403
CE1	227	EGZ04500	282	5.60E-47	1	224	21	277	0.982378855	Phytophthora_sojae	Phytophthora	CE1_EGZ04500	Oomycete	Phso	Phso_EGZ04500	Phso_EGZ04500
GT31	192	EGZ04520	419	2.70E-17	4	183	94	278	0.932291667	Phytophthora_sojae	Phytophthora	GT31_EGZ04520	Oomycete	Phso	Phso_EGZ04520	Phso_EGZ04520_secreted
GT31	192	EGZ04526	380	7.70E-17	42	182	122	275	0.729166667	Phytophthora_sojae	Phytophthora	GT31_EGZ04526	Oomycete	Phso	Phso_EGZ04526	Phso_EGZ04526_secreted
CE10	341	EGZ04576	459	3.80E-34	94	324	178	416	0.674486804	Phytophthora_sojae	Phytophthora	CE10_EGZ04576	Oomycete	Phso	Phso_EGZ04576	Phso_EGZ04576
CE10	341	EGZ04581	394	2.60E-34	84	316	136	371	0.680351906	Phytophthora_sojae	Phytophthora	CE10_EGZ04581	Oomycete	Phso	Phso_EGZ04581	Phso_EGZ04581
CE10	341	EGZ04582	445	6.30E-24	87	335	171	416	0.727272727	Phytophthora_sojae	Phytophthora	CE10_EGZ04582	Oomycete	Phso	Phso_EGZ04582	Phso_EGZ04582
CE10	341	EGZ04599	372	1.90E-29	86	327	110	348	0.706744868	Phytophthora_sojae	Phytophthora	CE10_EGZ04599	Oomycete	Phso	Phso_EGZ04599	Phso_EGZ04599
GH1	429	EGZ04671	258	8.00E-59	4	246	29	258	0.564102564	Phytophthora_sojae	Phytophthora	GH1_EGZ04671	Oomycete	Phso	Phso_EGZ04671	Phso_EGZ04671_secreted
GH1	429	EGZ04686	375	4.70E-54	182	425	2	300	0.566433566	Phytophthora_sojae	Phytophthora	GH1_EGZ04686	Oomycete	Phso	Phso_EGZ04686	Phso_EGZ04686
CBM43	83	EGZ04731	684	2.40E-15	2	73	552	621	0.855421687	Phytophthora_sojae	Phytophthora	CBM43_EGZ04731	Oomycete	Phso	Phso_EGZ04731	Phso_EGZ04731
GH5	275	EGZ04731	684	1.60E-33	27	219	136	413	0.698181818	Phytophthora_sojae	Phytophthora	GH5_EGZ04731	Oomycete	Phso	Phso_EGZ04731	Phso_EGZ04731
CE10	341	EGZ04812	463	7.20E-32	65	188	89	223	0.360703812	Phytophthora_sojae	Phytophthora	CE10_EGZ04812	Oomycete	Phso	Phso_EGZ04812	Phso_EGZ04812_secreted
GT20	475	EGZ04894	790	1.30E-151	11	474	58	524	0.974736842	Phytophthora_sojae	Phytophthora	GT20_EGZ04894	Oomycete	Phso	Phso_EGZ04894	Phso_EGZ04894
GT20	475	EGZ04897	854	1.60E-151	11	474	58	524	0.974736842	Phytophthora_sojae	Phytophthora	GT20_EGZ04897	Oomycete	Phso	Phso_EGZ04897	Phso_EGZ04897
GH123	538	EGZ04938	384	6.10E-27	313	488	20	212	0.32527881	Phytophthora_sojae	Phytophthora	GH123_EGZ04938	Oomycete	Phso	Phso_EGZ04938	Phso_EGZ04938
GH72	312	EGZ04953	348	3.30E-33	125	289	2	187	0.525641026	Phytophthora_sojae	Phytophthora	GH72_EGZ04953	Oomycete	Phso	Phso_EGZ04953	Phso_EGZ04953
CE2	209	EGZ05108	286	5.50E-56	1	209	31	248	0.995215311	Phytophthora_sojae	Phytophthora	CE2_EGZ05108	Oomycete	Phso	Phso_EGZ05108	Phso_EGZ05108
GH17	311	EGZ05136	305	8.10E-26	8	306	44	305	0.958199357	Phytophthora_sojae	Phytophthora	GH17_EG				

GH6	294	EGZ05310	645	0.00000003	157	247	483	565	0.306122449	Phytophthora_sojae	Phytophthora	GH6_EGZ05310	Oomycete	Phso	Phso_EGZ05310	Phso_EGZ05310
GH1	429	EGZ05365	559	5.60E-108	4	425	29	484	0.981351981	Phytophthora_sojae	Phytophthora	GH1_EGZ05365	Oomycete	Phso	Phso_EGZ05365	Phso_EGZ05365
GH1	429	EGZ05679	494	1.40E-62	2	171	34	203	0.393939394	Phytophthora_sojae	Phytophthora	GH1_EGZ05679	Oomycete	Phso	Phso_EGZ05679	Phso_EGZ05679
GH1	429	EGZ05679	494	1.00E-46	205	425	206	477	0.512820513	Phytophthora_sojae	Phytophthora	GH1_EGZ05679	Oomycete	Phso	Phso_EGZ05679	Phso_EGZ05679
GH1	429	EGZ05683	175	4.30E-60	9	177	2	170	0.391608392	Phytophthora_sojae	Phytophthora	GH1_EGZ05683	Oomycete	Phso	Phso_EGZ05683	Phso_EGZ05683
GH17	311	EGZ05780	393	2.20E-17	47	306	112	331	0.832797428	Phytophthora_sojae	Phytophthora	GH17_EGZ05780	Oomycete	Phso	Phso_EGZ05780	Phso_EGZ05780_secreted
PL3	197	EGZ05836	301	2.80E-37	2	196	76	269	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ05836	Oomycete	Phso	Phso_EGZ05836	Phso_EGZ05836_secreted
CBM32	124	EGZ05899	138	2.50E-10	8	109	14	118	0.814516129	Phytophthora_sojae	Phytophthora	CBM32_EGZ05899	Oomycete	Phso	Phso_EGZ05899	Phso_EGZ05899
GT4	160	EGZ06075	560	0.000091	64	135	373	445	0.44375	Phytophthora_sojae	Phytophthora	GT4_EGZ06075	Oomycete	Phso	Phso_EGZ06075	Phso_EGZ06075
GT4	160	EGZ06076	302	0.00000044	77	136	162	221	0.36875	Phytophthora_sojae	Phytophthora	GT4_EGZ06076	Oomycete	Phso	Phso_EGZ06076	Phso_EGZ06076
GT4	160	EGZ06077	527	0.000034	72	136	377	441	0.4	Phytophthora_sojae	Phytophthora	GT4_EGZ06077	Oomycete	Phso	Phso_EGZ06077	Phso_EGZ06077
GT4	160	EGZ06078	496	0.000000021	79	138	356	415	0.36875	Phytophthora_sojae	Phytophthora	GT4_EGZ06078	Oomycete	Phso	Phso_EGZ06078	Phso_EGZ06078
GT4	160	EGZ06079	515	0.000000051	71	137	368	433	0.4125	Phytophthora_sojae	Phytophthora	GT4_EGZ06079	Oomycete	Phso	Phso_EGZ06079	Phso_EGZ06079
GH78	504	EGZ06092	526	1.90E-63	108	503	8	467	0.783730159	Phytophthora_sojae	Phytophthora	GH78_EGZ06092	Oomycete	Phso	Phso_EGZ06092	Phso_EGZ06092
GH78	504	EGZ06102	658	1.30E-67	67	503	91	599	0.865079365	Phytophthora_sojae	Phytophthora	GH78_EGZ06102	Oomycete	Phso	Phso_EGZ06102	Phso_EGZ06102_secreted
CBM13	188	EGZ06128	127	2.10E-09	51	137	5	90	0.457446809	Phytophthora_sojae	Phytophthora	CBM13_EGZ06128	Oomycete	Phso	Phso_EGZ06128	Phso_EGZ06128
GH54	316	EGZ06180	354	6.80E-124	1	292	20	307	0.920886076	Phytophthora_sojae	Phytophthora	GH54_EGZ06180	Oomycete	Phso	Phso_EGZ06180	Phso_EGZ06180_secreted
GH54	316	EGZ06183	351	5.50E-134	1	314	20	330	0.990506329	Phytophthora_sojae	Phytophthora	GH54_EGZ06183	Oomycete	Phso	Phso_EGZ06183	Phso_EGZ06183_secreted
GT4	160	EGZ06219	512	0.00047	71	136	355	419	0.40625	Phytophthora_sojae	Phytophthora	GT4_EGZ06219	Oomycete	Phso	Phso_EGZ06219	Phso_EGZ06219
GT4	160	EGZ06224	556	0.0000047	65	136	376	448	0.44375	Phytophthora_sojae	Phytophthora	GT4_EGZ06224	Oomycete	Phso	Phso_EGZ06224	Phso_EGZ06224
CBM9	182	EGZ06289	1702	3.50E-26	2	136	70	223	0.736263736	Phytophthora_sojae	Phytophthora	CBM9_EGZ06289	Oomycete	Phso	Phso_EGZ06289	Phso_EGZ06289
CBM43	83	EGZ06361	679	2.30E-16	2	77	543	614	0.903614458	Phytophthora_sojae	Phytophthora	CBM43_EGZ06361	Oomycete	Phso	Phso_EGZ06361	Phso_EGZ06361
GH5	275	EGZ06361	679	2.30E-34	29	219	135	407	0.690909091	Phytophthora_sojae	Phytophthora	GH5_EGZ06361	Oomycete	Phso	Phso_EGZ06361	Phso_EGZ06361
GH81	622	EGZ06377	825	9.30E-151	13	621	191	810	0.977491961	Phytophthora_sojae	Phytophthora	GH81_EGZ06377	Oomycete	Phso	Phso_EGZ06377	Phso_EGZ06377
GH31	427	EGZ06384	785	2.00E-26	240	422	551	757	0.426229508	Phytophthora_sojae	Phytophthora	GH31_EGZ06384	Oomycete	Phso	Phso_EGZ06384	Phso_EGZ06384
GH31	427	EGZ06384	785	2.40E-20	6	211	313	551	0.480093677	Phytophthora_sojae	Phytophthora	GH31_EGZ06384	Oomycete	Phso	Phso_EGZ06384	Phso_EGZ06384
GH5	275	EGZ06588	447	8.90E-36	24	239	142	429	0.781818182	Phytophthora_sojae	Phytophthora	GH5_EGZ06588	Oomycete	Phso	Phso_EGZ06588	Phso_EGZ06588
GH5	275	EGZ06590	436	1.50E-33	22	239	129	418	0.789090909	Phytophthora_sojae	Phytophthora	GH5_EGZ06590	Oomycete	Phso	Phso_EGZ06590	Phso_EGZ06590
GH16	189	EGZ06772	624	7.30E-10	125	189	412	527	0.338624339	Phytophthora_sojae	Phytophthora	GH16_EGZ06772	Oomycete	Phso	Phso_EGZ06772	Phso_EGZ06772
GH16	189	EGZ06772	624	0.0000081	4	115	28	243	0.587301587	Phytophthora_sojae	Phytophthora	GH16_EGZ06772	Oomycete	Phso	Phso_EGZ06772	Phso_EGZ06772
GH72	312	EGZ06923	411	1.80E-32	123	284	64	255	0.516025641	Phytophthora_sojae	Phytophthora	GH72_EGZ06923	Oomycete	Phso	Phso_EGZ06923	Phso_EGZ06923_secreted
GH72	312	EGZ06929	500	7.20E-71	5	284	29	336	0.894230769	Phytophthora_sojae	Phytophthora	GH72_EGZ06929	Oomycete	Phso	Phso_EGZ06929	Phso_EGZ06929_secreted
GH72	312	EGZ06930	500	9.00E-72	4	284	28	336	0.897435897	Phytophthora_sojae	Phytophthora	GH72_EGZ06930	Oomycete	Phso	Phso_EGZ06930	Phso_EGZ06930
GH72	312	EGZ06931	495	5.40E-72	5	284	33	340	0.894230769	Phytophthora_sojae	Phytophthora	GH72_EGZ06931	Oomycete	Phso	Phso_EGZ06931	Phso_EGZ06931_secreted
GH72	312	EGZ06933	500	4.40E-73	5	289	29	339	0.91025641	Phytophthora_sojae	Phytophthora	GH72_EGZ06933	Oomycete	Phso	Phso_EGZ06933	Phso_EGZ06933_secreted
CE10	341	EGZ06988	580	5.30E-23	128	295	389	539	0.48973607	Phytophthora_sojae	Phytophthora	CE10_EGZ06988	Oomycete	Phso	Phso_EGZ06988	Phso_EGZ06988
CE10	341	EGZ06988	580	2.00E-11	33	170	66	240	0.401759531	Phytophthora_sojae	Phytophthora	CE10_EGZ06988	Oomycete	Phso	Phso_EGZ06988	Phso_EGZ06988
CE10	341	EGZ06988	580	1.00E-10	194	316	250	368	0.357771261	Phytophthora_sojae	Phytophthora	CE10_EGZ06988	Oomycete	Phso	Phso_EGZ06988	Phso_EGZ06988
CE10	341	EGZ06989	452	7.40E-37	94	337	196	434	0.712609971	Phytophthora_sojae	Phytophthora	CE10_EGZ06989	Oomycete	Phso	Phso_EGZ06989	Phso_EGZ06989
CE10	341	EGZ07018	431	6.20E-31	133	334	224	414	0.589442815	Phytophthora_sojae	Phytophthora	CE10_EGZ07018	Oomycete	Phso	Phso_EGZ07018	Phso_EGZ07018
CE10	341	EGZ07019	430	3.00E-34	80	335	152	412	0.747800587	Phytophthora_sojae	Phytophthora	CE10_EGZ07019	Oomycete	Phso	Phso_EGZ07019	Phso_EGZ07019
CE10	341	EGZ07023	426	1.10E-28	87	323	165	398	0.692082111	Phytophthora_sojae	Phytophthora	CE10_EGZ07023	Oomycete	Phso	Phso_EGZ07023	Phso_EGZ07023
GH32	293	EGZ07035	604	1.30E-53	1	282	46	344	0.959044369	Phytophthora_sojae	Phytophthora	GH32_EGZ07035	Oomycete	Phso	Phso_EGZ07035	Phso_EGZ07035_secreted
GH32	293	EGZ07036	620	3.40E-62	1	282	47	376	0.959044369	Phytophthora_sojae	Phytophthora	GH32_EGZ07036	Oomycete	Phso	Phso_EGZ07036	Phso_EGZ07036_secreted
PL3	197	EGZ07039	186	3.90E-47	11	158	30	172	0.746192893	Phytophthora_sojae	Phytophthora	PL3_EGZ07039	Oomycete	Phso	Phso_EGZ07039	Phso_EGZ07039_secreted
PL3	197	EGZ07040	303	4.00E-61	2	185	14	213	0.92893401	Phytophthora_sojae	Phytophthora	PL3_EGZ07040	Oomycete	Phso	Phso_EGZ07040	Phso_EGZ07040
PL3	197	EGZ07044	277	5.10E-51	3	188	28	214	0.939086294	Phytophthora_sojae	Phytophthora	PL3_EGZ07044	Oomycete	Phso	Phso_EGZ07044	Phso_EGZ07044_secreted
CE13	355	EGZ07055	885	1.20E-24	33	253	514	748	0.61971831	Phytophthora_sojae	Phytophthora	CE13_EGZ07055	Oomycete	Phso	Phso_EGZ07055	Phso_EGZ07055
GT1	382	EGZ07094	1387	3.60E-51	92	377	116	432	0.746073298	Phytophthora_sojae	Phytophthora	GT1_EGZ07094	Oomycete	Phso	Phso_EGZ07094	Phso_EGZ07094
GT1	382	EGZ07094	1387	6.50E-12	57	375	837	1208	0.832460733	Phytophthora_sojae	Phytophthora	GT1_EGZ07094	Oomycete	Phso	Phso_EGZ07094	Phso_EGZ07094
GT1	382	EGZ07103	1112	5.40E-38	126	375	95	356	0.651832461	Phytophthora_sojae	Phytophthora	GT1_EGZ07103	Oomycete	Phso	Phso_EGZ07103	Phso_EGZ07103
GT1	382	EGZ07103	1112	0.000000012	25	331	583	935	0.80104712	Phytophthora_sojae	Phytophthora	GT1_EGZ07103	Oomycete	Phso	Phso_EGZ07103	Phso_EGZ07103
GT1	382	EGZ07162	1400	1.60E-14	92	375	884	1209	0.740837696	Phytophthora_sojae	Phytophthora	GT1_EGZ07162	Oomycete	Phso	Phso_EGZ07162	Phso_EGZ07162
GT1	382	EGZ07162	1400	8.90E-14	94	263	252	439	0.442408377	Phytophthora_sojae	Phytophthora	GT1_EGZ07162	Oomycete	Phso	Phso_EGZ07162	Phso_EGZ07162
GT1	382	EGZ07163	1330	1.00E-48	91	375	115	430	0.743455497	Phytophthora_sojae	Phytophthora	GT1_EGZ07163	Oomycete	Phso	Phso_EGZ07163	Phso_EGZ07163
GT1	382	EGZ07163	1330	0.000000042	186	353	930	1151	0.437172775	Phytophthora_sojae	Phytophthora	GT1_EGZ07163	Oomycete	Phso	Phso_EGZ07163	Phso_EGZ07163
GH81	622	EGZ07167	689	9.40E-87	222	621	304	682	0.6414791	Phytophthora_sojae	Phytophthora	GH81_EGZ07167	Oomycete	Phso	Phso_EGZ07167	Phso_EGZ07167
GH72	312	EGZ07169	481	7.30E-52	5	289	29	323	0.91025641	Phytophthora_sojae	Phytophthora	GH72_EGZ07169	Oomycete	Phso	Phso_EGZ07169	Phso_EGZ07169_secreted
GH30	417	EGZ07217	415	9.60E-55	28	226	1	203	0.474820144	Phytophthora_sojae	Phytophthora	GH30_EGZ07217	Oomycete	Phso	Phso_EGZ07217	Phso_EGZ07217
GH30	417	EGZ07217	415	7.30E-37	283	416	235	376	0.318944844	Phytophthora_sojae	Phytophthora	GH30_EGZ07217	Oomycete	Phso	Phso_EGZ07217	Phso_EGZ07217
GH3	216	EGZ07400	751	7.40E-69	3	215	67	317	0.981481482	Phytophthora_sojae	Phytophthora	GH3_EGZ07400	Oomycete	Phso	Phso_EGZ07400	Phso_EGZ07400_secreted
CBM13	188	EGZ07451	683	0.000013	32	109	554	628	0.409574468	Phytophthora_sojae	Phytophthora	CBM13_EGZ07451	Oomycete	Phso	Phso_EGZ07451	Phso_EGZ07451
CBM13	188	EGZ07451	683	0.00002	75	132	510	563	0.303191489	Phytophthora_sojae	Phytophthora	CBM13_EGZ07451	Oomycete	Phso	Phso_EGZ07451	Phso_EGZ07451
GH30	417	EGZ07451	683	5.40E-105	9	361	110	489	0.8441247	Phytophthora_sojae	Phytophthora	GH30_EGZ07451	Oomycete	Phso	Phso_EGZ07451	Phso_EGZ07451
CBM13	188	EGZ07453	676	1.30E-10	11	109	525	622	0.521276596	Phytophthora_sojae	Phytophthora	CBM13_EGZ07453	Oomycete	Phso	Phso_EGZ07453	Phso_EGZ07453
GH30	417	EGZ07453	676	2.00E-104	11	362	104	484	0.841726619	Phytophthora_sojae	Phytophthora	GH30_EGZ07453	Oomycete	Phso	Phso_EGZ07453	Phso_EGZ07453
AA3	618	EGZ07505	674	2.80E-71	89	405	84	666	0.511326861	Phytophthora_sojae	Phytophthora	AA3_EGZ07505	Oomycete	Phso	Phso_EGZ07505	Phso_EGZ07505
GT31	192	EGZ07562	419	2.70E-17	4	183	94	278	0.932291667	Ph						

CE10	341	EGZ07799	376	1.90E-34	71	335	97	355	0.774193548	Phytophthora_sojae	Phytophthora	CE10_EGZ07799	Oomycete	Phso	Phso_EGZ07799	Phso_EGZ07799
GT71	264	EGZ07944	361	1.30E-44	7	257	2	260	0.946969697	Phytophthora_sojae	Phytophthora	GT71_EGZ07944	Oomycete	Phso	Phso_EGZ07944	Phso_EGZ07944
CE8	288	EGZ08104	342	1.40E-78	7	271	44	316	0.916666667	Phytophthora_sojae	Phytophthora	CE8_EGZ08104	Oomycete	Phso	Phso_EGZ08104	Phso_EGZ08104_secreted
GH3	216	EGZ08201	315	7.90E-42	5	152	105	254	0.680555556	Phytophthora_sojae	Phytophthora	GH3_EGZ08201	Oomycete	Phso	Phso_EGZ08201	Phso_EGZ08201_secreted
GH10	303	EGZ08254	382	9.80E-95	6	296	36	334	0.95709571	Phytophthora_sojae	Phytophthora	GH10_EGZ08254	Oomycete	Phso	Phso_EGZ08254	Phso_EGZ08254_secreted
GH30	417	EGZ08269	540	1.30E-116	8	416	81	530	0.978417266	Phytophthora_sojae	Phytophthora	GH30_EGZ08269	Oomycete	Phso	Phso_EGZ08269	Phso_EGZ08269_secreted
GH10	303	EGZ08272	407	6.60E-64	72	289	2	220	0.716171617	Phytophthora_sojae	Phytophthora	GH10_EGZ08272	Oomycete	Phso	Phso_EGZ08272	Phso_EGZ08272
GH17	311	EGZ08346	288	2.10E-16	2	305	29	283	0.974276527	Phytophthora_sojae	Phytophthora	GH17_EGZ08346	Oomycete	Phso	Phso_EGZ08346	Phso_EGZ08346_secreted
GH17	311	EGZ08347	288	2.70E-14	2	303	29	281	0.967845659	Phytophthora_sojae	Phytophthora	GH17_EGZ08347	Oomycete	Phso	Phso_EGZ08347	Phso_EGZ08347_secreted
GH17	311	EGZ08355	299	5.40E-20	2	309	26	284	0.987138264	Phytophthora_sojae	Phytophthora	GH17_EGZ08355	Oomycete	Phso	Phso_EGZ08355	Phso_EGZ08355_secreted
GH17	311	EGZ08356	299	5.40E-20	2	309	26	284	0.987138264	Phytophthora_sojae	Phytophthora	GH17_EGZ08356	Oomycete	Phso	Phso_EGZ08356	Phso_EGZ08356_secreted
GH17	311	EGZ08419	402	2.00E-19	2	307	27	284	0.980707396	Phytophthora_sojae	Phytophthora	GH17_EGZ08419	Oomycete	Phso	Phso_EGZ08419	Phso_EGZ08419_secreted
GH17	311	EGZ08420	448	4.60E-21	1	308	25	283	0.987138264	Phytophthora_sojae	Phytophthora	GH17_EGZ08420	Oomycete	Phso	Phso_EGZ08420	Phso_EGZ08420_secreted
GH17	311	EGZ08421	388	7.40E-23	2	306	28	282	0.977491961	Phytophthora_sojae	Phytophthora	GH17_EGZ08421	Oomycete	Phso	Phso_EGZ08421	Phso_EGZ08421_secreted
GH17	311	EGZ08422	351	5.50E-25	2	306	29	283	0.977491961	Phytophthora_sojae	Phytophthora	GH17_EGZ08422	Oomycete	Phso	Phso_EGZ08422	Phso_EGZ08422_secreted
CBM1	29	EGZ08449	257	0.00000085	2	28	102	129	0.896551724	Phytophthora_sojae	Phytophthora	CBM1_EGZ08449	Oomycete	Phso	Phso_EGZ08449	Phso_EGZ08449_secreted
CBM1	29	EGZ08450	134	1.20E-09	2	28	89	115	0.896551724	Phytophthora_sojae	Phytophthora	CBM1_EGZ08450	Oomycete	Phso	Phso_EGZ08450	Phso_EGZ08450_secreted
CBM1	29	EGZ08454	66	5.20E-13	1	29	29	57	0.965517241	Phytophthora_sojae	Phytophthora	CBM1_EGZ08454	Oomycete	Phso	Phso_EGZ08454	Phso_EGZ08454
CBM1	29	EGZ08454	66	0.00025	16	29	2	15	0.448275862	Phytophthora_sojae	Phytophthora	CBM1_EGZ08454	Oomycete	Phso	Phso_EGZ08454	Phso_EGZ08454
CBM1	29	EGZ08457	243	1.10E-12	1	29	204	232	0.965517241	Phytophthora_sojae	Phytophthora	CBM1_EGZ08457	Oomycete	Phso	Phso_EGZ08457	Phso_EGZ08457_secreted
CBM1	29	EGZ08457	243	1.50E-11	1	28	74	101	0.931034483	Phytophthora_sojae	Phytophthora	CBM1_EGZ08457	Oomycete	Phso	Phso_EGZ08457	Phso_EGZ08457_secreted
CBM1	29	EGZ08457	243	0.000041	14	29	175	190	0.517241379	Phytophthora_sojae	Phytophthora	CBM1_EGZ08457	Oomycete	Phso	Phso_EGZ08457	Phso_EGZ08457_secreted
CBM1	29	EGZ08463	97	2.30E-10	2	27	65	90	0.862068966	Phytophthora_sojae	Phytophthora	CBM1_EGZ08463	Oomycete	Phso	Phso_EGZ08463	Phso_EGZ08463
AA7	458	EGZ08479	650	7.50E-15	3	195	168	376	0.419213974	Phytophthora_sojae	Phytophthora	AA7_EGZ08479	Oomycete	Phso	Phso_EGZ08479	Phso_EGZ08479
GH16	189	EGZ08594	618	2.20E-14	12	189	61	450	0.936507937	Phytophthora_sojae	Phytophthora	GH16_EGZ08594	Oomycete	Phso	Phso_EGZ08594	Phso_EGZ08594
AA6	195	EGZ08618	73	2.10E-20	5	70	6	73	0.333333333	Phytophthora_sojae	Phytophthora	AA6_EGZ08618	Oomycete	Phso	Phso_EGZ08618	Phso_EGZ08618
AA9	178	EGZ08682	278	0.0000083	76	177	91	191	0.56741573	Phytophthora_sojae	Phytophthora	AA10_EGZ08682	Oomycete	Phso	Phso_EGZ08682	Phso_EGZ08682_secreted
AA10	220	EGZ08726	276	0.0000088	3	203	16	215	0.909090909	Phytophthora_sojae	Phytophthora	AA9_EGZ08726	Oomycete	Phso	Phso_EGZ08726	Phso_EGZ08726_secreted
AA9	220	EGZ08728	211	0.0000013	1	205	5	208	0.927272727	Phytophthora_sojae	Phytophthora	AA9_EGZ08728	Oomycete	Phso	Phso_EGZ08728	Phso_EGZ08728_secreted
CE11	271	EGZ08778	316	1.30E-76	1	270	5	306	0.992619926	Phytophthora_sojae	Phytophthora	CE11_EGZ08778	Oomycete	Phso	Phso_EGZ08778	Phso_EGZ08778
GH123	538	EGZ08783	471	6.90E-32	313	510	206	420	0.366171004	Phytophthora_sojae	Phytophthora	GH123_EGZ08783	Oomycete	Phso	Phso_EGZ08783	Phso_EGZ08783
GH5	275	EGZ08818	540	2.80E-37	5	241	39	353	0.858181818	Phytophthora_sojae	Phytophthora	GH5_EGZ08818	Oomycete	Phso	Phso_EGZ08818	Phso_EGZ08818_secreted
GT71	264	EGZ08852	624	9.00E-51	2	264	275	504	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ08852	Oomycete	Phso	Phso_EGZ08852	Phso_EGZ08852
GT71	264	EGZ08859	682	2.30E-49	1	264	320	550	0.996212121	Phytophthora_sojae	Phytophthora	GT71_EGZ08859	Oomycete	Phso	Phso_EGZ08859	Phso_EGZ08859
CE12	210	EGZ09079	199	1.60E-11	3	153	7	176	0.714285714	Phytophthora_sojae	Phytophthora	CE12_EGZ09079	Oomycete	Phso	Phso_EGZ09079	Phso_EGZ09079
CE12	210	EGZ09083	247	4.80E-13	3	163	7	186	0.761904762	Phytophthora_sojae	Phytophthora	CE12_EGZ09083	Oomycete	Phso	Phso_EGZ09083	Phso_EGZ09083
GH5	275	EGZ09087	535	1.10E-30	6	239	34	348	0.847272727	Phytophthora_sojae	Phytophthora	GH5_EGZ09087	Oomycete	Phso	Phso_EGZ09087	Phso_EGZ09087_secreted
GH5	275	EGZ09092	316	8.30E-31	54	237	30	283	0.665454546	Phytophthora_sojae	Phytophthora	GH5_EGZ09092	Oomycete	Phso	Phso_EGZ09092	Phso_EGZ09092
GH6	294	EGZ09170	344	3.00E-56	19	291	12	264	0.925170068	Phytophthora_sojae	Phytophthora	GH6_EGZ09170	Oomycete	Phso	Phso_EGZ09170	Phso_EGZ09170
PL3	197	EGZ09173	117	5.60E-32	100	196	4	99	0.487309645	Phytophthora_sojae	Phytophthora	PL3_EGZ09173	Oomycete	Phso	Phso_EGZ09173	Phso_EGZ09173
GT1	382	EGZ09221	2330	8.50E-53	92	377	381	696	0.746073298	Phytophthora_sojae	Phytophthora	GT1_EGZ09221	Oomycete	Phso	Phso_EGZ09221	Phso_EGZ09221
GT1	382	EGZ09221	2330	8.40E-52	97	375	1093	1402	0.727748691	Phytophthora_sojae	Phytophthora	GT1_EGZ09221	Oomycete	Phso	Phso_EGZ09221	Phso_EGZ09221
GT1	382	EGZ09221	2330	7.90E-12	154	376	1893	2155	0.581151833	Phytophthora_sojae	Phytophthora	GT1_EGZ09221	Oomycete	Phso	Phso_EGZ09221	Phso_EGZ09221
CE10	341	EGZ09267	509	9.40E-20	58	179	80	201	0.35483871	Phytophthora_sojae	Phytophthora	CE10_EGZ09267	Oomycete	Phso	Phso_EGZ09267	Phso_EGZ09267_secreted
CE10	341	EGZ09268	522	8.00E-24	57	179	74	207	0.357771261	Phytophthora_sojae	Phytophthora	CE10_EGZ09268	Oomycete	Phso	Phso_EGZ09268	Phso_EGZ09268_secreted
CE10	341	EGZ09276	533	9.60E-25	76	180	77	192	0.304985337	Phytophthora_sojae	Phytophthora	CE10_EGZ09276	Oomycete	Phso	Phso_EGZ09276	Phso_EGZ09276_secreted
CE10	341	EGZ09277	488	1.80E-19	71	180	50	172	0.319648094	Phytophthora_sojae	Phytophthora	CE10_EGZ09277	Oomycete	Phso	Phso_EGZ09277	Phso_EGZ09277
GH31	427	EGZ09301	717	7.00E-55	6	422	224	682	0.974238876	Phytophthora_sojae	Phytophthora	GH31_EGZ09301	Oomycete	Phso	Phso_EGZ09301	Phso_EGZ09301
GT1	382	EGZ09302	1191	1.80E-35	104	377	119	404	0.714659686	Phytophthora_sojae	Phytophthora	GT1_EGZ09302	Oomycete	Phso	Phso_EGZ09302	Phso_EGZ09302
GT1	382	EGZ09302	1191	3.70E-14	71	373	720	1018	0.790575916	Phytophthora_sojae	Phytophthora	GT1_EGZ09302	Oomycete	Phso	Phso_EGZ09302	Phso_EGZ09302
GT1	382	EGZ09303	1213	4.20E-38	104	377	119	412	0.714659686	Phytophthora_sojae	Phytophthora	GT1_EGZ09303	Oomycete	Phso	Phso_EGZ09303	Phso_EGZ09303
GT1	382	EGZ09303	1213	9.30E-16	68	373	782	1114	0.798429319	Phytophthora_sojae	Phytophthora	GT1_EGZ09303	Oomycete	Phso	Phso_EGZ09303	Phso_EGZ09303
GT31	192	EGZ09308	1470	0.0000082	53	139	166	239	0.447916667	Phytophthora_sojae	Phytophthora	GT31_EGZ09308	Oomycete	Phso	Phso_EGZ09308	Phso_EGZ09308
GH47	446	EGZ09310	714	4.90E-128	10	445	1	497	0.975336323	Phytophthora_sojae	Phytophthora	GH47_EGZ09310	Oomycete	Phso	Phso_EGZ09310	Phso_EGZ09310
CBM20	90	EGZ09326	1230	0.00024	2	67	21	100	0.722222222	Phytophthora_sojae	Phytophthora	CBM20_EGZ09326	Oomycete	Phso	Phso_EGZ09326	Phso_EGZ09326
GT20	475	EGZ09326	1230	2.80E-127	5	475	244	745	0.989473684	Phytophthora_sojae	Phytophthora	GT20_EGZ09326	Oomycete	Phso	Phso_EGZ09326	Phso_EGZ09326
GT60	330	EGZ09368	543	1.20E-59	1	330	55	368	0.996969697	Phytophthora_sojae	Phytophthora	GT60_EGZ09368	Oomycete	Phso	Phso_EGZ09368	Phso_EGZ09368
GT31	192	EGZ09720	366	2.70E-41	2	191	16	218	0.984375	Phytophthora_sojae	Phytophthora	GT31_EGZ09720	Oomycete	Phso	Phso_EGZ09720	Phso_EGZ09720
GT31	192	EGZ09721	232	1.80E-27	37	191	6	165	0.802083333	Phytophthora_sojae	Phytophthora	GT31_EGZ09721	Oomycete	Phso	Phso_EGZ09721	Phso_EGZ09721
GT31	192	EGZ09723	328	3.40E-29	2	191	79	278	0.984375	Phytophthora_sojae	Phytophthora	GT31_EGZ09723	Oomycete	Phso	Phso_EGZ09723	Phso_EGZ09723
GT10	347	EGZ09724	379	3.20E-34	170	306	195	341	0.391930836	Phytophthora_sojae	Phytophthora	GT10_EGZ09724	Oomycete	Phso	Phso_EGZ09724	Phso_EGZ09724
GT31	192	EGZ09727	275	2.00E-29	2	191	30	229	0.984375	Phytophthora_sojae	Phytophthora	GT31_EGZ09727	Oomycete	Phso	Phso_EGZ09727	Phso_EGZ09727
GT31	192	EGZ09730	276	5.20E-39	3	191	23	225	0.979166667	Phytophthora_sojae	Phytophthora	GT31_EGZ09730	Oomycete	Phso	Phso_EGZ09730	Phso_EGZ09730
GT10	347	EGZ09731	402	9.60E-38	167	305	218	366	0.397694525	Phytophthora_sojae	Phytophthora	GT10_EGZ09731	Oomycete	Phso	Phso_EGZ09731	Phso_EGZ09731
CE1	227	EGZ09759	458	0.0000021	15	174	162	368	0.700440529	Phytophthora_sojae	Phytophthora	CE1_EGZ09759	Oomycete	Phso	Phso_EGZ09759	Phso_EGZ09759
GH18	296	EGZ09813	388	1.10E-19	27	181	125	314	0.52027027	Phytophthora_sojae	Phytophthora	GH18_EGZ09813	Oomycete	Phso	Phso_EGZ09813	Phso_EGZ09813
CE8	288	EGZ09816	283	8.60E-28	61	163	65	174	0.354166667	Phytophthora_sojae	Phytophthora	CE8_EGZ09816	Oomycete	Phso	Phso_EGZ09816	Phso_EGZ09816_secreted
CE8	288	EGZ09817	342	1.80E-74												

CBM51	134	EGZ09859	5836	7.40E-16	11	133	1498	1631	0.910447761	Phytophthora_sojae	Phytophthora	CBM51_EGZ09859	Oomycete	Phso	Phso_EGZ09859	Phso_EGZ09859
GT48	739	EGZ09861	2278	2.70E-260	2	660	857	1548	0.890392422	Phytophthora_sojae	Phytophthora	GT48_EGZ09861	Oomycete	Phso	Phso_EGZ09861	Phso_EGZ09861
GH28	325	EGZ09936	434	1.50E-53	5	280	107	385	0.846153846	Phytophthora_sojae	Phytophthora	GH28_EGZ09936	Oomycete	Phso	Phso_EGZ09936	Phso_EGZ09936_secreted
GT48	739	EGZ09973	2455	9.30E-249	2	662	858	1556	0.893098782	Phytophthora_sojae	Phytophthora	GT48_EGZ09973	Oomycete	Phso	Phso_EGZ09973	Phso_EGZ09973
CE1	227	EGZ10093	355	0.000000019	14	207	70	331	0.850220264	Phytophthora_sojae	Phytophthora	CE1_EGZ10093	Oomycete	Phso	Phso_EGZ10093	Phso_EGZ10093_secreted
GT31	192	EGZ10276	754	2.70E-33	3	191	391	593	0.979166667	Phytophthora_sojae	Phytophthora	GT31_EGZ10276	Oomycete	Phso	Phso_EGZ10276	Phso_EGZ10276
GT31	192	EGZ10276	754	9.70E-15	3	97	149	262	0.489583333	Phytophthora_sojae	Phytophthora	GT31_EGZ10276	Oomycete	Phso	Phso_EGZ10276	Phso_EGZ10276
GT31	192	EGZ10277	362	3.30E-37	2	191	88	290	0.984375	Phytophthora_sojae	Phytophthora	GT31_EGZ10277	Oomycete	Phso	Phso_EGZ10277	Phso_EGZ10277
GT31	192	EGZ10278	345	2.80E-34	3	191	88	294	0.979166667	Phytophthora_sojae	Phytophthora	GT31_EGZ10278	Oomycete	Phso	Phso_EGZ10278	Phso_EGZ10278
GT31	192	EGZ10279	297	2.30E-13	3	92	186	288	0.463541667	Phytophthora_sojae	Phytophthora	GT31_EGZ10279	Oomycete	Phso	Phso_EGZ10279	Phso_EGZ10279
GT31	192	EGZ10280	496	2.00E-39	3	191	246	441	0.979166667	Phytophthora_sojae	Phytophthora	GT31_EGZ10280	Oomycete	Phso	Phso_EGZ10280	Phso_EGZ10280_secreted
CE10	341	EGZ10285	340	9.50E-11	81	208	78	201	0.372434018	Phytophthora_sojae	Phytophthora	CE10_EGZ10285	Oomycete	Phso	Phso_EGZ10285	Phso_EGZ10285
GT71	264	EGZ10373	530	1.10E-41	2	247	140	421	0.928030303	Phytophthora_sojae	Phytophthora	GT71_EGZ10373	Oomycete	Phso	Phso_EGZ10373	Phso_EGZ10373
GT71	264	EGZ10401	500	2.90E-39	2	262	92	398	0.984848485	Phytophthora_sojae	Phytophthora	GT71_EGZ10401	Oomycete	Phso	Phso_EGZ10401	Phso_EGZ10401
GH72	312	EGZ10619	473	1.40E-09	17	214	22	215	0.631410256	Phytophthora_sojae	Phytophthora	GH72_EGZ10619	Oomycete	Phso	Phso_EGZ10619	Phso_EGZ10619
GH5	275	EGZ10620	370	1.80E-44	6	239	15	339	0.847272727	Phytophthora_sojae	Phytophthora	GH5_EGZ10620	Oomycete	Phso	Phso_EGZ10620	Phso_EGZ10620
CE12	210	EGZ10698	329	2.80E-11	3	162	83	261	0.757142857	Phytophthora_sojae	Phytophthora	CE12_EGZ10698	Oomycete	Phso	Phso_EGZ10698	Phso_EGZ10698
CE8	288	EGZ10729	295	8.40E-37	19	170	32	198	0.524305556	Phytophthora_sojae	Phytophthora	CE8_EGZ10729	Oomycete	Phso	Phso_EGZ10729	Phso_EGZ10729
CE8	288	EGZ10756	338	3.80E-65	3	280	42	331	0.961805556	Phytophthora_sojae	Phytophthora	CE8_EGZ10756	Oomycete	Phso	Phso_EGZ10756	Phso_EGZ10756_secreted
CE8	288	EGZ10763	342	1.50E-71	8	272	45	317	0.916666667	Phytophthora_sojae	Phytophthora	CE8_EGZ10763	Oomycete	Phso	Phso_EGZ10763	Phso_EGZ10763_secreted
CE8	288	EGZ10764	306	8.50E-36	3	185	38	232	0.631944444	Phytophthora_sojae	Phytophthora	CE8_EGZ10764	Oomycete	Phso	Phso_EGZ10764	Phso_EGZ10764_secreted
CE8	288	EGZ10768	214	1.60E-48	110	273	29	190	0.565972222	Phytophthora_sojae	Phytophthora	CE8_EGZ10768	Oomycete	Phso	Phso_EGZ10768	Phso_EGZ10768
CE8	288	EGZ10793	636	6.70E-51	3	269	352	608	0.923611111	Phytophthora_sojae	Phytophthora	CE8_EGZ10793	Oomycete	Phso	Phso_EGZ10793	Phso_EGZ10793
CE8	288	EGZ10794	347	3.00E-75	8	271	48	321	0.913194444	Phytophthora_sojae	Phytophthora	CE8_EGZ10794	Oomycete	Phso	Phso_EGZ10794	Phso_EGZ10794_secreted
GH109	126	EGZ11032	346	2.20E-10	1	126	10	129	0.992063492	Phytophthora_sojae	Phytophthora	GH109_EGZ11032	Oomycete	Phso	Phso_EGZ11032	Phso_EGZ11032
GH109	126	EGZ11034	334	0.000000036	1	113	10	112	0.888888889	Phytophthora_sojae	Phytophthora	GH109_EGZ11034	Oomycete	Phso	Phso_EGZ11034	Phso_EGZ11034
AA7	458	EGZ11048	468	1.90E-48	5	195	54	249	0.414847162	Phytophthora_sojae	Phytophthora	AA7_EGZ11048	Oomycete	Phso	Phso_EGZ11048	Phso_EGZ11048_secreted
PL1	202	EGZ11117	410	2.50E-38	20	201	121	318	0.896039604	Phytophthora_sojae	Phytophthora	PL1_EGZ11117	Oomycete	Phso	Phso_EGZ11117	Phso_EGZ11117_secreted
GH63	570	EGZ11183	905	5.70E-24	318	567	612	903	0.436842105	Phytophthora_sojae	Phytophthora	GH63_EGZ11183	Oomycete	Phso	Phso_EGZ11183	Phso_EGZ11183
GH3	216	EGZ11266	748	1.50E-45	24	205	115	293	0.837962963	Phytophthora_sojae	Phytophthora	GH3_EGZ11266	Oomycete	Phso	Phso_EGZ11266	Phso_EGZ11266_secreted
GH3	216	EGZ11267	780	6.50E-63	5	205	115	325	0.925925926	Phytophthora_sojae	Phytophthora	GH3_EGZ11267	Oomycete	Phso	Phso_EGZ11267	Phso_EGZ11267_secreted
GH3	216	EGZ11268	771	6.30E-63	5	205	106	316	0.925925926	Phytophthora_sojae	Phytophthora	GH3_EGZ11268	Oomycete	Phso	Phso_EGZ11268	Phso_EGZ11268
GH3	216	EGZ11288	488	3.00E-58	5	201	67	269	0.907407407	Phytophthora_sojae	Phytophthora	GH3_EGZ11288	Oomycete	Phso	Phso_EGZ11288	Phso_EGZ11288
GH5	275	EGZ11296	415	1.60E-35	28	240	109	395	0.770909091	Phytophthora_sojae	Phytophthora	GH5_EGZ11296	Oomycete	Phso	Phso_EGZ11296	Phso_EGZ11296_secreted
GH5	275	EGZ11305	438	1.40E-40	28	238	129	411	0.763636364	Phytophthora_sojae	Phytophthora	GH5_EGZ11305	Oomycete	Phso	Phso_EGZ11305	Phso_EGZ11305_secreted
GH5	275	EGZ11306	439	5.10E-40	28	239	100	385	0.767272727	Phytophthora_sojae	Phytophthora	GH5_EGZ11306	Oomycete	Phso	Phso_EGZ11306	Phso_EGZ11306
CBM13	188	EGZ11308	422	5.20E-09	8	136	307	419	0.680851064	Phytophthora_sojae	Phytophthora	CBM13_EGZ11308	Oomycete	Phso	Phso_EGZ11308	Phso_EGZ11308_secreted
GH17	311	EGZ11308	422	2.20E-16	149	308	139	294	0.511254019	Phytophthora_sojae	Phytophthora	GH17_EGZ11308	Oomycete	Phso	Phso_EGZ11308	Phso_EGZ11308_secreted
GT2	168	EGZ11349	1022	3.40E-14	2	168	347	704	0.988095238	Phytophthora_sojae	Phytophthora	GT2_EGZ11349	Oomycete	Phso	Phso_EGZ11349	Phso_EGZ11349
GH12	156	EGZ11350	199	7.10E-25	5	156	64	198	0.967948718	Phytophthora_sojae	Phytophthora	GH12_EGZ11350	Oomycete	Phso	Phso_EGZ11350	Phso_EGZ11350_secreted
GH12	156	EGZ11355	240	3.20E-42	2	156	91	239	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ11355	Oomycete	Phso	Phso_EGZ11355	Phso_EGZ11355_secreted
GH12	156	EGZ11358	241	8.20E-42	2	156	90	238	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ11358	Oomycete	Phso	Phso_EGZ11358	Phso_EGZ11358_secreted
GH12	156	EGZ11360	243	6.10E-41	2	156	92	240	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ11360	Oomycete	Phso	Phso_EGZ11360	Phso_EGZ11360_secreted
GH12	156	EGZ11361	246	2.00E-38	4	156	95	240	0.974358974	Phytophthora_sojae	Phytophthora	GH12_EGZ11361	Oomycete	Phso	Phso_EGZ11361	Phso_EGZ11361_secreted
GH12	156	EGZ11362	251	5.00E-39	4	156	95	240	0.974358974	Phytophthora_sojae	Phytophthora	GH12_EGZ11362	Oomycete	Phso	Phso_EGZ11362	Phso_EGZ11362_secreted
GH12	156	EGZ11363	253	6.40E-37	2	156	92	240	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ11363	Oomycete	Phso	Phso_EGZ11363	Phso_EGZ11363_secreted
GT2	168	EGZ11383	1139	7.10E-26	53	168	644	817	0.68452381	Phytophthora_sojae	Phytophthora	GT2_EGZ11383	Oomycete	Phso	Phso_EGZ11383	Phso_EGZ11383
GT2_Cellulose_synt	722	EGZ11383	1139	1.50E-16	416	678	819	1085	0.362880886	Phytophthora_sojae	Phytophthora	GT2_Cellulose_synt_EGZ11383	Oomycete	Phso	Phso_EGZ11383	Phso_EGZ11383
GH81	622	EGZ11438	1026	1.30E-156	17	622	4	710	0.97266881	Phytophthora_sojae	Phytophthora	GH81_EGZ11438	Oomycete	Phso	Phso_EGZ11438	Phso_EGZ11438
GH10	303	EGZ11449	356	3.00E-90	2	289	36	333	0.94719472	Phytophthora_sojae	Phytophthora	GH10_EGZ11449	Oomycete	Phso	Phso_EGZ11449	Phso_EGZ11449_secreted
GH10	303	EGZ11450	360	3.20E-88	3	294	41	342	0.96039604	Phytophthora_sojae	Phytophthora	GH10_EGZ11450	Oomycete	Phso	Phso_EGZ11450	Phso_EGZ11450_secreted
GT71	264	EGZ11586	510	4.60E-44	2	264	163	394	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ11586	Oomycete	Phso	Phso_EGZ11586	Phso_EGZ11586
GT4	160	EGZ11610	464	0.000095	79	140	323	384	0.38125	Phytophthora_sojae	Phytophthora	GT4_EGZ11610	Oomycete	Phso	Phso_EGZ11610	Phso_EGZ11610
GT76	407	EGZ11627	397	1.10E-86	1	407	5	397	0.997542998	Phytophthora_sojae	Phytophthora	GT76_EGZ11627	Oomycete	Phso	Phso_EGZ11627	Phso_EGZ11627
PL3	197	EGZ11659	261	1.50E-71	2	196	38	233	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ11659	Oomycete	Phso	Phso_EGZ11659	Phso_EGZ11659_secreted
PL3	197	EGZ11660	261	1.50E-71	2	196	38	233	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ11660	Oomycete	Phso	Phso_EGZ11660	Phso_EGZ11660_secreted
PL3	197	EGZ11661	261	1.50E-71	2	196	38	233	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ11661	Oomycete	Phso	Phso_EGZ11661	Phso_EGZ11661_secreted
PL3	197	EGZ11663	261	1.50E-71	2	196	38	233	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ11663	Oomycete	Phso	Phso_EGZ11663	Phso_EGZ11663_secreted
PL3	197	EGZ11664	261	1.50E-71	2	196	38	233	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ11664	Oomycete	Phso	Phso_EGZ11664	Phso_EGZ11664_secreted
CE5	189	EGZ11718	217	8.70E-54	1	184	27	203	0.968253968	Phytophthora_sojae	Phytophthora	CE5_EGZ11718	Oomycete	Phso	Phso_EGZ11718	Phso_EGZ11718_secreted
CE5	189	EGZ11719	217	4.10E-53	1	183	28	202	0.962962963	Phytophthora_sojae	Phytophthora	CE5_EGZ11719	Oomycete	Phso	Phso_EGZ11719	Phso_EGZ11719_secreted
CE5	189	EGZ11720	200	1.80E-48	1	184	15	186	0.968253968	Phytophthora_sojae	Phytophthora	CE5_EGZ11720	Oomycete	Phso	Phso_EGZ11720	Phso_EGZ11720
CE5	189	EGZ11721	214	3.00E-53	1	186	24	202	0.978835979	Phytophthora_sojae	Phytophthora	CE5_EGZ11721	Oomycete	Phso	Phso_EGZ11721	Phso_EGZ11721_secreted
CE5	189	EGZ11722	214	4.40E-53	1	184	24	200	0.968253968	Phytophthora_sojae	Phytophthora	CE5_EGZ11722	Oomycete	Phso	Phso_EGZ11722	Phso_EGZ11722_secreted
CE5	189	EGZ11723	213	1.90E-52	1	184	24	200	0.968253968	Phytophthora_sojae	Phytophthora	CE5_EGZ11723	Oomycete	Phso	Phso_EGZ11723	Phso_EGZ11723_secreted
CE5	189	EGZ11724	217	6.20E-52	1	183	28	202	0.962962963	Phytophthora_sojae	Phytophthora	CE5_EGZ11724	Oomycete	Phso	Phso_EGZ11724	Phso_EGZ11724_secreted
CE5	189	EGZ11725	214	1.30E-51	1	184	24	200	0.968253968	Phytophthora_sojae	Phytophthora	CE5_EGZ11725	Oomycete	Phso	Phso_EGZ11725	Phso_EGZ11725_secreted
CE5	189	EGZ11														

GT4	160	EGZ11834	458	9.20E-31	7	147	206	345	0.875	Phytophthora_sojae	Phytophthora	GT4_EGZ11834	Oomycete	Phso	Phso_EGZ11834	Phso_EGZ11834
AA8	815	EGZ11940	604	6.30E-84	236	795	14	575	0.685889571	Phytophthora_sojae	Phytophthora	AA8_EGZ11940	Oomycete	Phso	Phso_EGZ11940	Phso_EGZ11940_secreted
GH6	294	EGZ12097	400	4.00E-58	15	288	48	299	0.928571429	Phytophthora_sojae	Phytophthora	GH6_EGZ12097	Oomycete	Phso	Phso_EGZ12097	Phso_EGZ12097_secreted
GH30	417	EGZ12102	500	1.60E-60	7	416	20	493	0.980815348	Phytophthora_sojae	Phytophthora	GH30_EGZ12102	Oomycete	Phso	Phso_EGZ12102	Phso_EGZ12102_secreted
CE1	227	EGZ12277	397	0.000000072	15	143	67	231	0.563876652	Phytophthora_sojae	Phytophthora	CE1_EGZ12277	Oomycete	Phso	Phso_EGZ12277	Phso_EGZ12277_secreted
GT1	382	EGZ12475	626	6.40E-23	85	381	189	544	0.77486911	Phytophthora_sojae	Phytophthora	GT1_EGZ12475	Oomycete	Phso	Phso_EGZ12475	Phso_EGZ12475
GT4	160	EGZ12479	502	3.70E-12	6	81	391	467	0.46875	Phytophthora_sojae	Phytophthora	GT4_EGZ12479	Oomycete	Phso	Phso_EGZ12479	Phso_EGZ12479_secreted
GH16	189	EGZ12556	598	1.30E-17	4	189	63	475	0.978835979	Phytophthora_sojae	Phytophthora	GH16_EGZ12556	Oomycete	Phso	Phso_EGZ12556	Phso_EGZ12556
GH6	294	EGZ12580	465	2.00E-61	12	289	43	298	0.942176871	Phytophthora_sojae	Phytophthora	GH6_EGZ12580	Oomycete	Phso	Phso_EGZ12580	Phso_EGZ12580_secreted
GH6	294	EGZ12582	341	1.10E-44	49	289	11	216	0.816326531	Phytophthora_sojae	Phytophthora	GH6_EGZ12582	Oomycete	Phso	Phso_EGZ12582	Phso_EGZ12582
GH6	294	EGZ12593	471	5.00E-56	11	289	30	289	0.945578231	Phytophthora_sojae	Phytophthora	GH6_EGZ12593	Oomycete	Phso	Phso_EGZ12593	Phso_EGZ12593
GH6	294	EGZ12595	364	2.10E-58	15	289	39	294	0.931972789	Phytophthora_sojae	Phytophthora	GH6_EGZ12595	Oomycete	Phso	Phso_EGZ12595	Phso_EGZ12595_secreted
CE13	355	EGZ12876	518	4.20E-25	25	222	77	291	0.554929578	Phytophthora_sojae	Phytophthora	CE13_EGZ12876	Oomycete	Phso	Phso_EGZ12876	Phso_EGZ12876_secreted
CE13	355	EGZ12877	477	3.40E-25	25	222	77	291	0.554929578	Phytophthora_sojae	Phytophthora	CE13_EGZ12877	Oomycete	Phso	Phso_EGZ12877	Phso_EGZ12877_secreted
CE5	189	EGZ12934	115	6.40E-16	99	186	15	102	0.46031746	Phytophthora_sojae	Phytophthora	CE5_EGZ12934	Oomycete	Phso	Phso_EGZ12934	Phso_EGZ12934
PL3	197	EGZ12963	232	5.90E-69	3	196	9	203	0.979695432	Phytophthora_sojae	Phytophthora	PL3_EGZ12963	Oomycete	Phso	Phso_EGZ12963	Phso_EGZ12963
PL3	197	EGZ12964	266	9.40E-69	3	196	43	237	0.979695432	Phytophthora_sojae	Phytophthora	PL3_EGZ12964	Oomycete	Phso	Phso_EGZ12964	Phso_EGZ12964_secreted
CE5	189	EGZ12965	226	4.40E-51	1	185	27	204	0.973544974	Phytophthora_sojae	Phytophthora	CE5_EGZ12965	Oomycete	Phso	Phso_EGZ12965	Phso_EGZ12965_secreted
CE5	189	EGZ12966	217	3.80E-51	1	185	27	204	0.973544974	Phytophthora_sojae	Phytophthora	CE5_EGZ12966	Oomycete	Phso	Phso_EGZ12966	Phso_EGZ12966_secreted
GH81	622	EGZ12996	221	1.20E-84	371	569	11	211	0.318327974	Phytophthora_sojae	Phytophthora	GH81_EGZ12996	Oomycete	Phso	Phso_EGZ12996	Phso_EGZ12996
GH7	415	EGZ13066	512	1.80E-135	1	414	88	512	0.995180723	Phytophthora_sojae	Phytophthora	GH7_EGZ13066	Oomycete	Phso	Phso_EGZ13066	Phso_EGZ13066
CE10	341	EGZ13188	753	0.000000037	72	278	478	684	0.604105572	Phytophthora_sojae	Phytophthora	CE10_EGZ13188	Oomycete	Phso	Phso_EGZ13188	Phso_EGZ13188
PL1	202	EGZ13256	424	9.00E-42	21	201	148	341	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ13256	Oomycete	Phso	Phso_EGZ13256	Phso_EGZ13256_secreted
PL1	202	EGZ13328	449	2.50E-38	19	201	119	316	0.900990099	Phytophthora_sojae	Phytophthora	PL1_EGZ13328	Oomycete	Phso	Phso_EGZ13328	Phso_EGZ13328_secreted
PL1	202	EGZ13329	423	1.80E-37	16	201	117	317	0.915841584	Phytophthora_sojae	Phytophthora	PL1_EGZ13329	Oomycete	Phso	Phso_EGZ13329	Phso_EGZ13329_secreted
PL1	202	EGZ13401	401	6.70E-45	20	199	119	312	0.886138614	Phytophthora_sojae	Phytophthora	PL1_EGZ13401	Oomycete	Phso	Phso_EGZ13401	Phso_EGZ13401_secreted
PL1	202	EGZ13466	437	1.10E-36	20	201	121	317	0.896039604	Phytophthora_sojae	Phytophthora	PL1_EGZ13466	Oomycete	Phso	Phso_EGZ13466	Phso_EGZ13466_secreted
PL1	202	EGZ13468	437	1.10E-36	20	201	121	317	0.896039604	Phytophthora_sojae	Phytophthora	PL1_EGZ13468	Oomycete	Phso	Phso_EGZ13468	Phso_EGZ13468_secreted
PL1	202	EGZ13485	449	7.70E-39	19	201	119	316	0.900990099	Phytophthora_sojae	Phytophthora	PL1_EGZ13485	Oomycete	Phso	Phso_EGZ13485	Phso_EGZ13485_secreted
PL1	202	EGZ13486	426	3.80E-34	21	201	122	303	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ13486	Oomycete	Phso	Phso_EGZ13486	Phso_EGZ13486_secreted
GH43	248	EGZ13487	320	1.40E-43	3	247	22	318	0.983870968	Phytophthora_sojae	Phytophthora	GH43_EGZ13487	Oomycete	Phso	Phso_EGZ13487	Phso_EGZ13487_secreted
GH43	248	EGZ13488	323	8.90E-46	11	247	35	321	0.951612903	Phytophthora_sojae	Phytophthora	GH43_EGZ13488	Oomycete	Phso	Phso_EGZ13488	Phso_EGZ13488_secreted
PL1	202	EGZ13489	215	7.60E-23	92	201	12	133	0.53960396	Phytophthora_sojae	Phytophthora	PL1_EGZ13489	Oomycete	Phso	Phso_EGZ13489	Phso_EGZ13489
PL1	202	EGZ13490	362	1.50E-16	116	201	187	283	0.420792079	Phytophthora_sojae	Phytophthora	PL1_EGZ13490	Oomycete	Phso	Phso_EGZ13490	Phso_EGZ13490_secreted
GH43	248	EGZ13494	161	1.20E-21	10	112	32	156	0.411290323	Phytophthora_sojae	Phytophthora	GH43_EGZ13494	Oomycete	Phso	Phso_EGZ13494	Phso_EGZ13494_secreted
GH43	248	EGZ13496	161	1.20E-21	10	112	32	156	0.411290323	Phytophthora_sojae	Phytophthora	GH43_EGZ13496	Oomycete	Phso	Phso_EGZ13496	Phso_EGZ13496_secreted
GH43	248	EGZ13498	161	1.10E-21	9	112	31	156	0.415322581	Phytophthora_sojae	Phytophthora	GH43_EGZ13498	Oomycete	Phso	Phso_EGZ13498	Phso_EGZ13498_secreted
GH43	248	EGZ13499	145	2.20E-21	9	110	21	144	0.407258065	Phytophthora_sojae	Phytophthora	GH43_EGZ13499	Oomycete	Phso	Phso_EGZ13499	Phso_EGZ13499
GH43	248	EGZ13501	322	3.10E-41	7	247	28	320	0.967741936	Phytophthora_sojae	Phytophthora	GH43_EGZ13501	Oomycete	Phso	Phso_EGZ13501	Phso_EGZ13501_secreted
GH43	248	EGZ13502	322	2.50E-41	7	247	28	320	0.967741936	Phytophthora_sojae	Phytophthora	GH43_EGZ13502	Oomycete	Phso	Phso_EGZ13502	Phso_EGZ13502_secreted
GT45	115	EGZ13543	559	0.0000016	29	98	205	276	0.6	Phytophthora_sojae	Phytophthora	GT45_EGZ13543	Oomycete	Phso	Phso_EGZ13543	Phso_EGZ13543
GT71	264	EGZ13784	383	2.00E-42	8	257	3	262	0.943181818	Phytophthora_sojae	Phytophthora	GT71_EGZ13784	Oomycete	Phso	Phso_EGZ13784	Phso_EGZ13784
GT22	389	EGZ13881	585	2.10E-65	2	365	8	442	0.933161954	Phytophthora_sojae	Phytophthora	GT22_EGZ13881	Oomycete	Phso	Phso_EGZ13881	Phso_EGZ13881
AA8	815	EGZ13937	800	6.00E-87	238	773	18	550	0.656441718	Phytophthora_sojae	Phytophthora	AA8_EGZ13937	Oomycete	Phso	Phso_EGZ13937	Phso_EGZ13937_secreted
GH7	415	EGZ13970	464	7.20E-178	1	414	26	464	0.995180723	Phytophthora_sojae	Phytophthora	GH7_EGZ13970	Oomycete	Phso	Phso_EGZ13970	Phso_EGZ13970_secreted
CBM43	83	EGZ13975	697	1.80E-15	1	74	574	643	0.879518072	Phytophthora_sojae	Phytophthora	CBM43_EGZ13975	Oomycete	Phso	Phso_EGZ13975	Phso_EGZ13975
GH5	275	EGZ13975	697	3.90E-33	28	220	165	440	0.698181818	Phytophthora_sojae	Phytophthora	GH5_EGZ13975	Oomycete	Phso	Phso_EGZ13975	Phso_EGZ13975
CBM43	83	EGZ13976	692	4.80E-16	2	75	559	630	0.879518072	Phytophthora_sojae	Phytophthora	CBM43_EGZ13976	Oomycete	Phso	Phso_EGZ13976	Phso_EGZ13976
GH5	275	EGZ13976	692	3.00E-33	29	219	148	420	0.690909091	Phytophthora_sojae	Phytophthora	GH5_EGZ13976	Oomycete	Phso	Phso_EGZ13976	Phso_EGZ13976
AA7	458	EGZ14152	518	3.90E-88	9	458	79	515	0.980349345	Phytophthora_sojae	Phytophthora	AA7_EGZ14152	Oomycete	Phso	Phso_EGZ14152	Phso_EGZ14152_secreted
AA7	458	EGZ14160	485	5.50E-84	18	458	55	482	0.96069869	Phytophthora_sojae	Phytophthora	AA7_EGZ14160	Oomycete	Phso	Phso_EGZ14160	Phso_EGZ14160_secreted
CE10	341	EGZ14199	789	1.90E-24	73	308	510	764	0.68914956	Phytophthora_sojae	Phytophthora	CE10_EGZ14199	Oomycete	Phso	Phso_EGZ14199	Phso_EGZ14199
CE14	124	EGZ14270	162	0.000000011	1	111	55	160	0.887096774	Phytophthora_sojae	Phytophthora	CE14_EGZ14270	Oomycete	Phso	Phso_EGZ14270	Phso_EGZ14270
GH47	446	EGZ14376	704	1.70E-133	1	446	148	592	0.997757848	Phytophthora_sojae	Phytophthora	GH47_EGZ14376	Oomycete	Phso	Phso_EGZ14376	Phso_EGZ14376
CE12	210	EGZ14394	239	8.50E-14	2	205	13	205	0.966666667	Phytophthora_sojae	Phytophthora	CE12_EGZ14394	Oomycete	Phso	Phso_EGZ14394	Phso_EGZ14394
CBM63	78	EGZ14542	370	7.10E-09	2	75	138	210	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ14542	Oomycete	Phso	Phso_EGZ14542	Phso_EGZ14542
CE1	227	EGZ14546	645	1.10E-09	54	143	341	460	0.392070485	Phytophthora_sojae	Phytophthora	CE1_EGZ14546	Oomycete	Phso	Phso_EGZ14546	Phso_EGZ14546
CBM63	78	EGZ14549	385	7.60E-09	2	75	139	211	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ14549	Oomycete	Phso	Phso_EGZ14549	Phso_EGZ14549
CBM63	78	EGZ14550	591	0.00000024	2	73	142	216	0.91025641	Phytophthora_sojae	Phytophthora	CBM63_EGZ14550	Oomycete	Phso	Phso_EGZ14550	Phso_EGZ14550
CBM63	78	EGZ14551	414	0.000000031	2	75	117	191	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ14551	Oomycete	Phso	Phso_EGZ14551	Phso_EGZ14551
CBM63	78	EGZ14552	317	0.00000002	2	75	95	169	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ14552	Oomycete	Phso	Phso_EGZ14552	Phso_EGZ14552
CE12	210	EGZ14600	234	5.10E-14	2	207	13	206	0.976190476	Phytophthora_sojae	Phytophthora	CE12_EGZ14600	Oomycete	Phso	Phso_EGZ14600	Phso_EGZ14600
CE14	124	EGZ14624	408	0.000666	24	81	327	384	0.459677419	Phytophthora_sojae	Phytophthora	CE14_EGZ14624	Oomycete	Phso	Phso_EGZ14624	Phso_EGZ14624
GH28	325	EGZ14681	366	2.90E-52	16	308	73	355	0.898461539	Phytophthora_sojae	Phytophthora	GH28_EGZ14681	Oomycete	Phso	Phso_EGZ14681	Phso_EGZ14681_secreted
GT48	739	EGZ14819	2228	6.90E-273	2	712	850	1593	0.960757781	Phytophthora_sojae	Phytophthora	GT48_EGZ14819	Oomycete	Phso	Phso_EGZ14819	Phso_EGZ14819
GH17	311	EGZ14830	376	5.80E-23	10	306	27	286	0.951768489	Phytophthora_sojae	Phytophthora	GH17_EGZ14830	Oomycete	Phso	Phso_EGZ14830	Phso_EGZ14830
GH17	311	EGZ14831	305	8.10E-26	8	306	44	305	0.958199357	Phytophthora_sojae	Phytophthora	GH17_EGZ14831	Oomycete	Phso	Phso_EGZ14831	Phso_EGZ14831_secreted
GH28	325	EGZ14980	376	2.20E-59	6	308	61	365	0.929230769	Phytoph						

CE10	341	EGZ15181	527	2.60E-32	75	193	88	238	0.346041056	Phytophthora_sojae	Phytophthora	CE10_EGZ15181	Oomycete	Phso	Phso_EGZ15181	Phso_EGZ15181_secreted
GH3	216	EGZ15182	714	3.20E-42	4	216	70	276	0.981481482	Phytophthora_sojae	Phytophthora	GH3_EGZ15182	Oomycete	Phso	Phso_EGZ15182	Phso_EGZ15182_secreted
CE10	341	EGZ15185	560	3.30E-28	75	187	99	228	0.328445748	Phytophthora_sojae	Phytophthora	CE10_EGZ15185	Oomycete	Phso	Phso_EGZ15185	Phso_EGZ15185_secreted
GH28	325	EGZ15263	401	2.70E-63	6	317	86	401	0.956923077	Phytophthora_sojae	Phytophthora	GH28_EGZ15263	Oomycete	Phso	Phso_EGZ15263	Phso_EGZ15263_secreted
GH28	325	EGZ15264	359	6.50E-53	59	276	103	343	0.667692308	Phytophthora_sojae	Phytophthora	GH28_EGZ15264	Oomycete	Phso	Phso_EGZ15264	Phso_EGZ15264_secreted
GH28	325	EGZ15267	369	4.70E-66	5	317	50	369	0.96	Phytophthora_sojae	Phytophthora	GH28_EGZ15267	Oomycete	Phso	Phso_EGZ15267	Phso_EGZ15267_secreted
GH28	325	EGZ15268	369	4.70E-66	5	317	50	369	0.96	Phytophthora_sojae	Phytophthora	GH28_EGZ15268	Oomycete	Phso	Phso_EGZ15268	Phso_EGZ15268_secreted
GH28	325	EGZ15269	380	6.90E-64	5	308	64	369	0.932307692	Phytophthora_sojae	Phytophthora	GH28_EGZ15269	Oomycete	Phso	Phso_EGZ15269	Phso_EGZ15269_secreted
GH28	325	EGZ15270	374	1.60E-61	5	308	58	363	0.932307692	Phytophthora_sojae	Phytophthora	GH28_EGZ15270	Oomycete	Phso	Phso_EGZ15270	Phso_EGZ15270_secreted
GH28	325	EGZ15271	551	8.70E-50	45	314	63	327	0.827692308	Phytophthora_sojae	Phytophthora	GH28_EGZ15271	Oomycete	Phso	Phso_EGZ15271	Phso_EGZ15271_secreted
GH28	325	EGZ15272	380	2.90E-63	5	307	64	368	0.929230769	Phytophthora_sojae	Phytophthora	GH28_EGZ15272	Oomycete	Phso	Phso_EGZ15272	Phso_EGZ15272_secreted
GH28	325	EGZ15273	380	2.90E-63	5	307	64	368	0.929230769	Phytophthora_sojae	Phytophthora	GH28_EGZ15273	Oomycete	Phso	Phso_EGZ15273	Phso_EGZ15273_secreted
GH28	325	EGZ15275	405	3.70E-63	5	307	89	393	0.929230769	Phytophthora_sojae	Phytophthora	GH28_EGZ15275	Oomycete	Phso	Phso_EGZ15275	Phso_EGZ15275_secreted
GH28	325	EGZ15276	380	2.90E-63	5	307	64	368	0.929230769	Phytophthora_sojae	Phytophthora	GH28_EGZ15276	Oomycete	Phso	Phso_EGZ15276	Phso_EGZ15276_secreted
GH28	325	EGZ15278	282	1.40E-39	129	276	113	275	0.452307692	Phytophthora_sojae	Phytophthora	GH28_EGZ15278	Oomycete	Phso	Phso_EGZ15278	Phso_EGZ15278_secreted
GH28	325	EGZ15279	339	1.50E-61	6	317	25	339	0.956923077	Phytophthora_sojae	Phytophthora	GH28_EGZ15279	Oomycete	Phso	Phso_EGZ15279	Phso_EGZ15279
GH28	325	EGZ15280	327	7.20E-65	6	317	24	327	0.956923077	Phytophthora_sojae	Phytophthora	GH28_EGZ15280	Oomycete	Phso	Phso_EGZ15280	Phso_EGZ15280
GH28	325	EGZ15281	327	7.20E-65	6	317	24	327	0.956923077	Phytophthora_sojae	Phytophthora	GH28_EGZ15281	Oomycete	Phso	Phso_EGZ15281	Phso_EGZ15281
GH28	325	EGZ15282	361	7.70E-63	5	317	46	361	0.96	Phytophthora_sojae	Phytophthora	GH28_EGZ15282	Oomycete	Phso	Phso_EGZ15282	Phso_EGZ15282_secreted
GH28	325	EGZ15283	340	3.00E-61	5	317	33	340	0.96	Phytophthora_sojae	Phytophthora	GH28_EGZ15283	Oomycete	Phso	Phso_EGZ15283	Phso_EGZ15283_secreted
GH28	325	EGZ15284	328	2.30E-63	36	317	28	328	0.864615385	Phytophthora_sojae	Phytophthora	GH28_EGZ15284	Oomycete	Phso	Phso_EGZ15284	Phso_EGZ15284_secreted
AA8	815	EGZ15395	912	5.20E-75	254	778	248	770	0.642944785	Phytophthora_sojae	Phytophthora	AA8_EGZ15395	Oomycete	Phso	Phso_EGZ15395	Phso_EGZ15395
CE12	210	EGZ15522	247	1.40E-15	2	162	20	193	0.761904762	Phytophthora_sojae	Phytophthora	CE12_EGZ15522	Oomycete	Phso	Phso_EGZ15522	Phso_EGZ15522
CE12	210	EGZ15523	320	1.10E-12	2	159	67	243	0.747619048	Phytophthora_sojae	Phytophthora	CE12_EGZ15523	Oomycete	Phso	Phso_EGZ15523	Phso_EGZ15523
CE12	210	EGZ15524	314	4.70E-13	2	167	66	250	0.785714286	Phytophthora_sojae	Phytophthora	CE12_EGZ15524	Oomycete	Phso	Phso_EGZ15524	Phso_EGZ15524
CE12	210	EGZ15525	301	1.20E-11	3	162	49	227	0.757142857	Phytophthora_sojae	Phytophthora	CE12_EGZ15525	Oomycete	Phso	Phso_EGZ15525	Phso_EGZ15525
CE12	210	EGZ15526	255	3.60E-12	1	208	37	224	0.985714286	Phytophthora_sojae	Phytophthora	CE12_EGZ15526	Oomycete	Phso	Phso_EGZ15526	Phso_EGZ15526
CE7	313	EGZ15552	531	8.90E-11	156	299	142	287	0.45686901	Phytophthora_sojae	Phytophthora	CE7_EGZ15552	Oomycete	Phso	Phso_EGZ15552	Phso_EGZ15552
GT66	693	EGZ15647	888	2.20E-170	11	603	67	697	0.854256854	Phytophthora_sojae	Phytophthora	GT66_EGZ15647	Oomycete	Phso	Phso_EGZ15647	Phso_EGZ15647
GT60	330	EGZ15699	502	3.30E-17	1	109	331	414	0.327272727	Phytophthora_sojae	Phytophthora	GT60_EGZ15699	Oomycete	Phso	Phso_EGZ15699	Phso_EGZ15699
AA2	255	EGZ15783	338	7.20E-60	8	253	69	322	0.960784314	Phytophthora_sojae	Phytophthora	AA2_EGZ15783	Oomycete	Phso	Phso_EGZ15783	Phso_EGZ15783
CE1	227	EGZ15894	327	0.000000037	13	143	40	218	0.572687225	Phytophthora_sojae	Phytophthora	CE1_EGZ15894	Oomycete	Phso	Phso_EGZ15894	Phso_EGZ15894
CE1	227	EGZ15896	341	9.10E-13	27	159	45	176	0.581497797	Phytophthora_sojae	Phytophthora	CE1_EGZ15896	Oomycete	Phso	Phso_EGZ15896	Phso_EGZ15896
CE1	227	EGZ15898	285	1.80E-11	23	143	39	158	0.528634361	Phytophthora_sojae	Phytophthora	CE1_EGZ15898	Oomycete	Phso	Phso_EGZ15898	Phso_EGZ15898
GT4	160	EGZ16004	1552	4.00E-38	11	148	1356	1505	0.85625	Phytophthora_sojae	Phytophthora	GT4_EGZ16004	Oomycete	Phso	Phso_EGZ16004	Phso_EGZ16004
CE10	341	EGZ16008	293	1.20E-39	80	315	26	265	0.68914956	Phytophthora_sojae	Phytophthora	CE10_EGZ16008	Oomycete	Phso	Phso_EGZ16008	Phso_EGZ16008
GH17	311	EGZ16083	402	3.50E-24	12	306	44	297	0.945337621	Phytophthora_sojae	Phytophthora	GH17_EGZ16083	Oomycete	Phso	Phso_EGZ16083	Phso_EGZ16083_secreted
CBM13	188	EGZ16181	2034	5.30E-21	9	155	750	902	0.776595745	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	1.90E-17	10	152	916	1064	0.755319149	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	7.50E-17	9	149	1079	1225	0.744680851	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	3.50E-16	12	134	1420	1548	0.64893617	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	7.80E-16	10	137	1245	1378	0.675531915	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	5.80E-15	9	144	103	244	0.718085106	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	2.30E-14	10	143	425	564	0.707446809	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	8.80E-14	9	142	585	724	0.707446809	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16181	2034	1.40E-11	9	137	264	398	0.680851064	Phytophthora_sojae	Phytophthora	CBM13_EGZ16181	Oomycete	Phso	Phso_EGZ16181	Phso_EGZ16181
CBM13	188	EGZ16182	1706	2.20E-18	9	150	674	821	0.75	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	1.70E-17	9	146	1003	1146	0.728723404	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	5.00E-16	10	153	840	989	0.760638298	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	1.10E-15	9	146	509	652	0.728723404	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	9.90E-15	10	135	1169	1301	0.664893617	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	3.70E-14	11	134	1335	1465	0.654255319	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	3.60E-13	10	137	349	482	0.675531915	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	4.40E-13	10	136	189	321	0.670212766	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
CBM13	188	EGZ16182	1706	1.30E-12	9	143	27	167	0.712765957	Phytophthora_sojae	Phytophthora	CBM13_EGZ16182	Oomycete	Phso	Phso_EGZ16182	Phso_EGZ16182
GT96	307	EGZ16219	509	9.70E-15	2	113	121	241	0.361563518	Phytophthora_sojae	Phytophthora	GT96_EGZ16219	Oomycete	Phso	Phso_EGZ16219	Phso_EGZ16219
CE1	227	EGZ16269	574	0.0000037	22	143	147	293	0.533039648	Phytophthora_sojae	Phytophthora	CE1_EGZ16269	Oomycete	Phso	Phso_EGZ16269	Phso_EGZ16269
CE10	341	EGZ16404	673	2.10E-38	67	277	221	493	0.615835777	Phytophthora_sojae	Phytophthora	CE10_EGZ16404	Oomycete	Phso	Phso_EGZ16404	Phso_EGZ16404
GT4	160	EGZ16520	473	0.000000015	70	137	326	392	0.41875	Phytophthora_sojae	Phytophthora	GT4_EGZ16520	Oomycete	Phso	Phso_EGZ16520	Phso_EGZ16520
GH81	622	EGZ16601	794	8.20E-179	17	621	116	788	0.971061093	Phytophthora_sojae	Phytophthora	GH81_EGZ16601	Oomycete	Phso	Phso_EGZ16601	Phso_EGZ16601
GT57	481	EGZ16653	424	4.20E-101	125	477	3	400	0.731808732	Phytophthora_sojae	Phytophthora	GT57_EGZ16653	Oomycete	Phso	Phso_EGZ16653	Phso_EGZ16653
CBM20	90	EGZ16723	1034	1.70E-14	14	86	16	95	0.8	Phytophthora_sojae	Phytophthora	CBM20_EGZ16723	Oomycete	Phso	Phso_EGZ16723	Phso_EGZ16723
CBM47	128	EGZ16723	1034	1.10E-13	3	60	106	170	0.4453125	Phytophthora_sojae	Phytophthora	CBM47_EGZ16723	Oomycete	Phso	Phso_EGZ16723	Phso_EGZ16723
GT30	177	EGZ16735	241	1.60E-44	4	175	40	233	0.966101695	Phytophthora_sojae	Phytophthora	GT30_EGZ16735	Oomycete	Phso	Phso_EGZ16735	Phso_EGZ16735
GH1	429	EGZ16736	554	2.20E-126	4	425	48	480	0.981351981	Phytophthora_sojae	Phytophthora	GH1_EGZ16736	Oomycete	Phso	Phso_EGZ16736	Phso_EGZ16736
GH12	156	EGZ16757	241	5.40E-45	2	156	91	240	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ16757	Oomycete	Phso	Phso_EGZ16757	Phso_EGZ16757_secreted
GH12	156	EGZ16758	189	8.70E-25	2	92	91	180	0.576923077	Phytophthora_sojae	Phytophthora	GH12_EGZ16758	Oomycete	Phso	Phso_EGZ16758	Phso_EGZ16758_secreted
GH1	429	EGZ16864	574	5.00E-135	3											

GH1	429	EGZ16992	487	2.90E-101	67	425	1	424	0.834498835	Phytophthora_sojae	Phytophthora	GH1_EGZ16992	Oomycete	Phso	Phso_EGZ16992	Phso_EGZ16992
GH1	429	EGZ16993	586	1.40E-142	4	426	31	512	0.983682984	Phytophthora_sojae	Phytophthora	GH1_EGZ16993	Oomycete	Phso	Phso_EGZ16993	Phso_EGZ16993
GH1	429	EGZ16994	578	2.70E-130	4	425	32	515	0.981351981	Phytophthora_sojae	Phytophthora	GH1_EGZ16994	Oomycete	Phso	Phso_EGZ16994	Phso_EGZ16994
GH1	429	EGZ16995	536	9.80E-132	10	426	1	476	0.96969697	Phytophthora_sojae	Phytophthora	GH1_EGZ16995	Oomycete	Phso	Phso_EGZ16995	Phso_EGZ16995
GH1	429	EGZ16996	569	1.10E-135	4	426	27	508	0.983682984	Phytophthora_sojae	Phytophthora	GH1_EGZ16996	Oomycete	Phso	Phso_EGZ16996	Phso_EGZ16996
GH72	312	EGZ17174	495	3.70E-77	3	284	49	346	0.900641026	Phytophthora_sojae	Phytophthora	GH72_EGZ17174	Oomycete	Phso	Phso_EGZ17174	Phso_EGZ17174
GH72	312	EGZ17175	477	5.20E-74	15	284	1	297	0.862179487	Phytophthora_sojae	Phytophthora	GH72_EGZ17175	Oomycete	Phso	Phso_EGZ17175	Phso_EGZ17175
GH72	312	EGZ17176	513	1.10E-80	4	285	22	333	0.900641026	Phytophthora_sojae	Phytophthora	GH72_EGZ17176	Oomycete	Phso	Phso_EGZ17176	Phso_EGZ17176_secreted
GH72	312	EGZ17179	518	1.50E-70	4	285	22	331	0.900641026	Phytophthora_sojae	Phytophthora	GH72_EGZ17179	Oomycete	Phso	Phso_EGZ17179	Phso_EGZ17179_secreted
CE1	227	EGZ17289	436	0.0000045	14	142	78	224	0.563876652	Phytophthora_sojae	Phytophthora	CE1_EGZ17289	Oomycete	Phso	Phso_EGZ17289	Phso_EGZ17289_secreted
GH5	275	EGZ17315	373	6.30E-36	15	240	58	353	0.818181818	Phytophthora_sojae	Phytophthora	GH5_EGZ17315	Oomycete	Phso	Phso_EGZ17315	Phso_EGZ17315
CE4	130	EGZ17353	311	1.10E-12	24	124	85	185	0.769230769	Phytophthora_sojae	Phytophthora	CE4_EGZ17353	Oomycete	Phso	Phso_EGZ17353	Phso_EGZ17353
GT50	262	EGZ17459	272	7.20E-65	1	187	78	272	0.709923664	Phytophthora_sojae	Phytophthora	GT50_EGZ17459	Oomycete	Phso	Phso_EGZ17459	Phso_EGZ17459
GT71	264	EGZ17526	363	2.50E-30	55	262	22	250	0.784090909	Phytophthora_sojae	Phytophthora	GT71_EGZ17526	Oomycete	Phso	Phso_EGZ17526	Phso_EGZ17526
GT19	354	EGZ17632	387	7.10E-69	38	328	1	386	0.81920904	Phytophthora_sojae	Phytophthora	GT19_EGZ17632	Oomycete	Phso	Phso_EGZ17632	Phso_EGZ17632
CE8	288	EGZ17636	261	3.40E-56	42	272	1	239	0.798611111	Phytophthora_sojae	Phytophthora	CE8_EGZ17636	Oomycete	Phso	Phso_EGZ17636	Phso_EGZ17636
GH31	427	EGZ17696	876	1.00E-152	3	427	260	751	0.992974239	Phytophthora_sojae	Phytophthora	GH31_EGZ17696	Oomycete	Phso	Phso_EGZ17696	Phso_EGZ17696_secreted
CBM25	78	EGZ17697	754	4.70E-12	15	76	67	133	0.782051282	Phytophthora_sojae	Phytophthora	CBM25_EGZ17697	Oomycete	Phso	Phso_EGZ17697	Phso_EGZ17697
CBM25	78	EGZ17697	754	0.00000098	40	77	12	48	0.474358974	Phytophthora_sojae	Phytophthora	CBM25_EGZ17697	Oomycete	Phso	Phso_EGZ17697	Phso_EGZ17697
GH31	427	EGZ17697	754	2.20E-105	3	306	383	753	0.709601874	Phytophthora_sojae	Phytophthora	GH31_EGZ17697	Oomycete	Phso	Phso_EGZ17697	Phso_EGZ17697
AA6	195	EGZ17802	200	4.00E-85	1	195	3	197	0.994871795	Phytophthora_sojae	Phytophthora	AA6_EGZ17802	Oomycete	Phso	Phso_EGZ17802	Phso_EGZ17802
AA6	195	EGZ17807	200	4.40E-83	1	195	3	197	0.994871795	Phytophthora_sojae	Phytophthora	AA6_EGZ17807	Oomycete	Phso	Phso_EGZ17807	Phso_EGZ17807
AA6	195	EGZ17808	200	5.90E-83	2	195	4	197	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ17808	Oomycete	Phso	Phso_EGZ17808	Phso_EGZ17808
AA6	195	EGZ17809	200	5.90E-83	2	195	4	197	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ17809	Oomycete	Phso	Phso_EGZ17809	Phso_EGZ17809
AA6	195	EGZ17810	200	4.00E-85	1	195	3	197	0.994871795	Phytophthora_sojae	Phytophthora	AA6_EGZ17810	Oomycete	Phso	Phso_EGZ17810	Phso_EGZ17810
AA6	195	EGZ17815	200	5.00E-85	1	195	3	197	0.994871795	Phytophthora_sojae	Phytophthora	AA6_EGZ17815	Oomycete	Phso	Phso_EGZ17815	Phso_EGZ17815
AA6	195	EGZ17838	200	9.10E-84	2	195	4	197	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ17838	Oomycete	Phso	Phso_EGZ17838	Phso_EGZ17838
GH18	296	EGZ17852	199	7.00E-21	89	279	4	190	0.641891892	Phytophthora_sojae	Phytophthora	GH18_EGZ17852	Oomycete	Phso	Phso_EGZ17852	Phso_EGZ17852
GT20	475	EGZ17853	1205	5.30E-109	10	330	86	425	0.673684211	Phytophthora_sojae	Phytophthora	GT20_EGZ17853	Oomycete	Phso	Phso_EGZ17853	Phso_EGZ17853
GT20	475	EGZ17853	1205	1.30E-63	325	473	505	706	0.311578947	Phytophthora_sojae	Phytophthora	GT20_EGZ17853	Oomycete	Phso	Phso_EGZ17853	Phso_EGZ17853
CBM50	40	EGZ17856	342	0.000000001	1	39	265	311	0.95	Phytophthora_sojae	Phytophthora	CBM50_EGZ17856	Oomycete	Phso	Phso_EGZ17856	Phso_EGZ17856
CBM50	40	EGZ17856	342	2.80E-09	1	39	30	76	0.95	Phytophthora_sojae	Phytophthora	CBM50_EGZ17856	Oomycete	Phso	Phso_EGZ17856	Phso_EGZ17856
CBM50	40	EGZ17856	342	0.000016	1	37	99	143	0.9	Phytophthora_sojae	Phytophthora	CBM50_EGZ17856	Oomycete	Phso	Phso_EGZ17856	Phso_EGZ17856
GH30	417	EGZ17873	454	1.30E-96	9	416	19	445	0.976019185	Phytophthora_sojae	Phytophthora	GH30_EGZ17873	Oomycete	Phso	Phso_EGZ17873	Phso_EGZ17873
GH30	417	EGZ17881	543	1.20E-113	9	416	82	532	0.976019185	Phytophthora_sojae	Phytophthora	GH30_EGZ17881	Oomycete	Phso	Phso_EGZ17881	Phso_EGZ17881_secreted
GH30	417	EGZ17882	541	4.10E-114	7	416	82	539	0.980815348	Phytophthora_sojae	Phytophthora	GH30_EGZ17882	Oomycete	Phso	Phso_EGZ17882	Phso_EGZ17882_secreted
GH30	417	EGZ17883	588	1.30E-112	9	416	84	534	0.976019185	Phytophthora_sojae	Phytophthora	GH30_EGZ17883	Oomycete	Phso	Phso_EGZ17883	Phso_EGZ17883_secreted
GH30	417	EGZ17884	280	1.40E-46	9	187	85	269	0.426858513	Phytophthora_sojae	Phytophthora	GH30_EGZ17884	Oomycete	Phso	Phso_EGZ17884	Phso_EGZ17884_secreted
GH30	417	EGZ17886	509	9.60E-47	235	416	286	500	0.434052758	Phytophthora_sojae	Phytophthora	GH30_EGZ17886	Oomycete	Phso	Phso_EGZ17886	Phso_EGZ17886_secreted
GH30	417	EGZ17886	509	1.70E-45	9	173	82	251	0.393285372	Phytophthora_sojae	Phytophthora	GH30_EGZ17886	Oomycete	Phso	Phso_EGZ17886	Phso_EGZ17886_secreted
GH30	417	EGZ17889	539	6.90E-116	13	416	87	530	0.966426859	Phytophthora_sojae	Phytophthora	GH30_EGZ17889	Oomycete	Phso	Phso_EGZ17889	Phso_EGZ17889_secreted
GH30	417	EGZ17896	548	2.70E-113	12	416	87	534	0.96882494	Phytophthora_sojae	Phytophthora	GH30_EGZ17896	Oomycete	Phso	Phso_EGZ17896	Phso_EGZ17896
GH114	190	EGZ17898	311	8.50E-74	1	189	28	216	0.989473684	Phytophthora_sojae	Phytophthora	GH114_EGZ17898	Oomycete	Phso	Phso_EGZ17898	Phso_EGZ17898_secreted
GH72	312	EGZ17899	562	2.40E-80	4	284	86	389	0.897435897	Phytophthora_sojae	Phytophthora	GH72_EGZ17899	Oomycete	Phso	Phso_EGZ17899	Phso_EGZ17899_secreted
GH72	312	EGZ17900	436	1.40E-80	3	284	10	314	0.900641026	Phytophthora_sojae	Phytophthora	GH72_EGZ17900	Oomycete	Phso	Phso_EGZ17900	Phso_EGZ17900
GH7	415	EGZ17956	420	2.80E-121	2	414	27	420	0.992771084	Phytophthora_sojae	Phytophthora	GH7_EGZ17956	Oomycete	Phso	Phso_EGZ17956	Phso_EGZ17956_secreted
GH7	415	EGZ17962	428	7.20E-141	1	414	4	428	0.995180723	Phytophthora_sojae	Phytophthora	GH7_EGZ17962	Oomycete	Phso	Phso_EGZ17962	Phso_EGZ17962
CE10	341	EGZ18137	463	7.20E-32	65	188	89	223	0.360703812	Phytophthora_sojae	Phytophthora	CE10_EGZ18137	Oomycete	Phso	Phso_EGZ18137	Phso_EGZ18137_secreted
GH5	275	EGZ18359	580	2.30E-29	3	240	169	527	0.861818182	Phytophthora_sojae	Phytophthora	GH5_EGZ18359	Oomycete	Phso	Phso_EGZ18359	Phso_EGZ18359
CE1	227	EGZ18417	551	0.000029	79	149	149	220	0.308370044	Phytophthora_sojae	Phytophthora	CE1_EGZ18417	Oomycete	Phso	Phso_EGZ18417	Phso_EGZ18417_secreted
GH31	427	EGZ18430	815	4.00E-81	12	262	240	543	0.585480094	Phytophthora_sojae	Phytophthora	GH31_EGZ18430	Oomycete	Phso	Phso_EGZ18430	Phso_EGZ18430_secreted
GH5	275	EGZ18601	454	2.50E-30	12	239	169	435	0.825454546	Phytophthora_sojae	Phytophthora	GH5_EGZ18601	Oomycete	Phso	Phso_EGZ18601	Phso_EGZ18601
GH5	275	EGZ18604	491	7.80E-37	12	239	185	472	0.825454546	Phytophthora_sojae	Phytophthora	GH5_EGZ18604	Oomycete	Phso	Phso_EGZ18604	Phso_EGZ18604_secreted
GH1	429	EGZ18966	475	1.40E-174	4	428	6	472	0.988344988	Phytophthora_sojae	Phytophthora	GH1_EGZ18966	Oomycete	Phso	Phso_EGZ18966	Phso_EGZ18966
GH1	429	EGZ18978	487	4.90E-170	3	428	5	474	0.990675991	Phytophthora_sojae	Phytophthora	GH1_EGZ18978	Oomycete	Phso	Phso_EGZ18978	Phso_EGZ18978
GT71	264	EGZ18995	621	9.90E-51	2	264	230	462	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ18995	Oomycete	Phso	Phso_EGZ18995	Phso_EGZ18995
GT71	264	EGZ18997	404	1.10E-50	2	264	55	289	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ18997	Oomycete	Phso	Phso_EGZ18997	Phso_EGZ18997
GT71	264	EGZ18998	474	5.20E-51	2	264	192	423	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ18998	Oomycete	Phso	Phso_EGZ18998	Phso_EGZ18998
GT71	264	EGZ18999	626	4.40E-49	2	264	221	453	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ18999	Oomycete	Phso	Phso_EGZ18999	Phso_EGZ18999
GT71	264	EGZ19000	450	1.30E-45	2	264	110	342	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19000	Oomycete	Phso	Phso_EGZ19000	Phso_EGZ19000
GT71	264	EGZ19006	617	1.20E-32	2	264	235	455	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19006	Oomycete	Phso	Phso_EGZ19006	Phso_EGZ19006
GT71	264	EGZ19007	509	9.30E-54	2	264	138	373	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19007	Oomycete	Phso	Phso_EGZ19007	Phso_EGZ19007
GT71	264	EGZ19008	565	2.70E-32	2	191	233	400	0.715909091	Phytophthora_sojae	Phytophthora	GT71_EGZ19008	Oomycete	Phso	Phso_EGZ19008	Phso_EGZ19008
GT71	264	EGZ19009	480	1.00E-43	2	257	92	356	0.965909091	Phytophthora_sojae	Phytophthora	GT71_EGZ19009	Oomycete	Phso	Phso_EGZ19009	Phso_EGZ19009
GT71	264	EGZ19012	657	3.60E-49	2	264	261	494	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19012	Oomycete	Phso	Phso_EGZ19012	Phso_EGZ19012
GT71	264	EGZ19013	545	3.00E-51	2	264	152	386	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19013	Oomycete	Phso	Phso_EGZ19013	Phso_EGZ19013
GT71	264	EGZ19014	628	1.00E-47	2	264	234	466	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19014	Oomycete	Phso	Phso_EGZ19014	Phso_EGZ19014
GT71	264	EGZ19015	668	2.10E-47	2	264	272	507	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19015	Oomycete	Phso		

GT71	264	EGZ19029	505	1.10E-15	180	264	273	351	0.318181818	Phytophthora_sojae	Phytophthora	GT71_EGZ19029	Oomycete	Phso	Phso_EGZ19029	Phso_EGZ19029
GT71	264	EGZ19030	609	1.50E-50	2	264	211	445	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19030	Oomycete	Phso	Phso_EGZ19030	Phso_EGZ19030
GT71	264	EGZ19033	451	4.30E-48	2	264	54	288	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19033	Oomycete	Phso	Phso_EGZ19033	Phso_EGZ19033
GT71	264	EGZ19034	319	0.00000012	173	264	175	259	0.34469697	Phytophthora_sojae	Phytophthora	GT71_EGZ19034	Oomycete	Phso	Phso_EGZ19034	Phso_EGZ19034
GT71	264	EGZ19035	403	9.30E-52	2	264	33	267	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19035	Oomycete	Phso	Phso_EGZ19035	Phso_EGZ19035
GT71	264	EGZ19036	477	7.40E-42	2	247	93	343	0.928030303	Phytophthora_sojae	Phytophthora	GT71_EGZ19036	Oomycete	Phso	Phso_EGZ19036	Phso_EGZ19036
AA8	815	EGZ19090	785	9.90E-84	242	801	24	580	0.685889571	Phytophthora_sojae	Phytophthora	AA8_EGZ19090	Oomycete	Phso	Phso_EGZ19090	Phso_EGZ19090_secreted
CBM80	88	EGZ19213	100	0.0008	10	58	43	90	0.545454546	Phytophthora_sojae	Phytophthora	CBM80_EGZ19213	Oomycete	Phso	Phso_EGZ19213	Phso_EGZ19213_secreted
GT22	389	EGZ19249	587	3.40E-88	2	389	40	465	0.994858612	Phytophthora_sojae	Phytophthora	GT22_EGZ19249	Oomycete	Phso	Phso_EGZ19249	Phso_EGZ19249
GH5	275	EGZ19253	737	9.30E-34	3	243	330	684	0.872727273	Phytophthora_sojae	Phytophthora	GH5_EGZ19253	Oomycete	Phso	Phso_EGZ19253	Phso_EGZ19253
GH5	275	EGZ19254	619	5.60E-32	3	243	210	564	0.872727273	Phytophthora_sojae	Phytophthora	GH5_EGZ19254	Oomycete	Phso	Phso_EGZ19254	Phso_EGZ19254
GH1	429	EGZ19260	537	1.00E-131	4	425	41	522	0.981351981	Phytophthora_sojae	Phytophthora	GH1_EGZ19260	Oomycete	Phso	Phso_EGZ19260	Phso_EGZ19260_secreted
PL3	197	EGZ19277	253	2.90E-64	2	196	28	225	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19277	Oomycete	Phso	Phso_EGZ19277	Phso_EGZ19277_secreted
PL3	197	EGZ19280	362	5.20E-66	2	196	27	224	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19280	Oomycete	Phso	Phso_EGZ19280	Phso_EGZ19280_secreted
PL3	197	EGZ19281	249	1.40E-64	2	196	24	221	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19281	Oomycete	Phso	Phso_EGZ19281	Phso_EGZ19281_secreted
PL3	197	EGZ19286	249	1.40E-64	2	196	24	221	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19286	Oomycete	Phso	Phso_EGZ19286	Phso_EGZ19286_secreted
PL3	197	EGZ19287	362	5.20E-66	2	196	27	224	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19287	Oomycete	Phso	Phso_EGZ19287	Phso_EGZ19287_secreted
PL3	197	EGZ19289	572	6.70E-69	2	196	346	544	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19289	Oomycete	Phso	Phso_EGZ19289	Phso_EGZ19289_secreted
PL3	197	EGZ19289	572	1.50E-67	2	196	31	228	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19289	Oomycete	Phso	Phso_EGZ19289	Phso_EGZ19289_secreted
PL3	197	EGZ19290	572	7.40E-69	2	196	346	544	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19290	Oomycete	Phso	Phso_EGZ19290	Phso_EGZ19290_secreted
PL3	197	EGZ19290	572	1.50E-67	2	196	31	228	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19290	Oomycete	Phso	Phso_EGZ19290	Phso_EGZ19290_secreted
PL3	197	EGZ19291	571	7.40E-69	2	196	345	543	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19291	Oomycete	Phso	Phso_EGZ19291	Phso_EGZ19291
PL3	197	EGZ19291	571	9.80E-54	2	196	44	227	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19291	Oomycete	Phso	Phso_EGZ19291	Phso_EGZ19291
PL3	197	EGZ19292	572	7.40E-69	2	196	346	544	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19292	Oomycete	Phso	Phso_EGZ19292	Phso_EGZ19292_secreted
PL3	197	EGZ19292	572	1.50E-67	2	196	31	228	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ19292	Oomycete	Phso	Phso_EGZ19292	Phso_EGZ19292_secreted
CBM1	29	EGZ19304	258	0.00000013	4	22	130	149	0.620689655	Phytophthora_sojae	Phytophthora	CBM1_EGZ19304	Oomycete	Phso	Phso_EGZ19304	Phso_EGZ19304_secreted
CBM1	29	EGZ19305	75	0.000000019	4	22	43	62	0.620689655	Phytophthora_sojae	Phytophthora	CBM1_EGZ19305	Oomycete	Phso	Phso_EGZ19305	Phso_EGZ19305_secreted
CBM1	29	EGZ19306	186	0.000000035	4	22	30	49	0.620689655	Phytophthora_sojae	Phytophthora	CBM1_EGZ19306	Oomycete	Phso	Phso_EGZ19306	Phso_EGZ19306
CBM1	29	EGZ19307	266	0.000000049	4	22	123	142	0.620689655	Phytophthora_sojae	Phytophthora	CBM1_EGZ19307	Oomycete	Phso	Phso_EGZ19307	Phso_EGZ19307_secreted
GH109	126	EGZ19401	341	4.80E-13	37	122	40	119	0.674603175	Phytophthora_sojae	Phytophthora	GH109_EGZ19401	Oomycete	Phso	Phso_EGZ19401	Phso_EGZ19401
GH109	126	EGZ19402	332	1.60E-14	2	123	8	120	0.96031746	Phytophthora_sojae	Phytophthora	GH109_EGZ19402	Oomycete	Phso	Phso_EGZ19402	Phso_EGZ19402
GH109	126	EGZ19407	700	8.90E-15	2	118	6	113	0.920634921	Phytophthora_sojae	Phytophthora	GH109_EGZ19407	Oomycete	Phso	Phso_EGZ19407	Phso_EGZ19407
GH109	126	EGZ19407	700	1.10E-13	2	122	352	465	0.952380952	Phytophthora_sojae	Phytophthora	GH109_EGZ19407	Oomycete	Phso	Phso_EGZ19407	Phso_EGZ19407
CBM1	29	EGZ19645	137	0.000000016	4	23	43	63	0.655172414	Phytophthora_sojae	Phytophthora	CBM1_EGZ19645	Oomycete	Phso	Phso_EGZ19645	Phso_EGZ19645_secreted
CBM1	29	EGZ19645	137	0.000000019	4	23	101	121	0.655172414	Phytophthora_sojae	Phytophthora	CBM1_EGZ19645	Oomycete	Phso	Phso_EGZ19645	Phso_EGZ19645_secreted
GT41	705	EGZ19714	749	2.20E-97	126	525	27	523	0.565957447	Phytophthora_sojae	Phytophthora	GT41_EGZ19714	Oomycete	Phso	Phso_EGZ19714	Phso_EGZ19714
AA6	195	EGZ19726	201	1.70E-74	2	195	5	198	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ19726	Oomycete	Phso	Phso_EGZ19726	Phso_EGZ19726
AA6	195	EGZ19728	201	1.50E-74	2	195	5	198	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ19728	Oomycete	Phso	Phso_EGZ19728	Phso_EGZ19728
AA6	195	EGZ19729	209	2.00E-75	2	195	13	206	0.98974359	Phytophthora_sojae	Phytophthora	AA6_EGZ19729	Oomycete	Phso	Phso_EGZ19729	Phso_EGZ19729
GT41	705	EGZ19795	406	8.40E-53	168	433	2	405	0.375886525	Phytophthora_sojae	Phytophthora	GT41_EGZ19795	Oomycete	Phso	Phso_EGZ19795	Phso_EGZ19795
GT71	264	EGZ19832	547	2.60E-49	2	264	159	427	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ19832	Oomycete	Phso	Phso_EGZ19832	Phso_EGZ19832
CBM47	128	EGZ20118	215	3.50E-12	2	63	100	154	0.4765625	Phytophthora_sojae	Phytophthora	CBM47_EGZ20118	Oomycete	Phso	Phso_EGZ20118	Phso_EGZ20118
GT96	307	EGZ20137	391	3.00E-27	2	224	9	261	0.723127036	Phytophthora_sojae	Phytophthora	GT96_EGZ20137	Oomycete	Phso	Phso_EGZ20137	Phso_EGZ20137
GH17	311	EGZ20222	303	2.30E-22	16	309	45	303	0.942122187	Phytophthora_sojae	Phytophthora	GH17_EGZ20222	Oomycete	Phso	Phso_EGZ20222	Phso_EGZ20222_secreted
GH17	311	EGZ20239	511	1.90E-18	2	309	23	277	0.987138264	Phytophthora_sojae	Phytophthora	GH17_EGZ20239	Oomycete	Phso	Phso_EGZ20239	Phso_EGZ20239
GH17	311	EGZ20242	554	1.10E-18	2	310	23	278	0.990353698	Phytophthora_sojae	Phytophthora	GH17_EGZ20242	Oomycete	Phso	Phso_EGZ20242	Phso_EGZ20242
GH10	303	EGZ20278	320	7.50E-74	70	302	71	316	0.765676568	Phytophthora_sojae	Phytophthora	GH10_EGZ20278	Oomycete	Phso	Phso_EGZ20278	Phso_EGZ20278
GT4	160	EGZ20381	499	1.40E-26	8	153	296	453	0.90625	Phytophthora_sojae	Phytophthora	GT4_EGZ20381	Oomycete	Phso	Phso_EGZ20381	Phso_EGZ20381
CE8	288	EGZ20422	343	5.70E-69	3	274	38	320	0.940972222	Phytophthora_sojae	Phytophthora	CE8_EGZ20422	Oomycete	Phso	Phso_EGZ20422	Phso_EGZ20422_secreted
CBM13	188	EGZ20473	443	4.30E-17	8	135	315	439	0.675531915	Phytophthora_sojae	Phytophthora	CBM13_EGZ20473	Oomycete	Phso	Phso_EGZ20473	Phso_EGZ20473_secreted
GH17	311	EGZ20473	443	5.50E-25	13	306	47	300	0.942122187	Phytophthora_sojae	Phytophthora	GH17_EGZ20473	Oomycete	Phso	Phso_EGZ20473	Phso_EGZ20473_secreted
CE8	288	EGZ20476	344	3.80E-70	2	273	37	319	0.940972222	Phytophthora_sojae	Phytophthora	CE8_EGZ20476	Oomycete	Phso	Phso_EGZ20476	Phso_EGZ20476_secreted
CBM32	124	EGZ20493	175	0.00000072	11	66	22	84	0.443548387	Phytophthora_sojae	Phytophthora	CBM32_EGZ20493	Oomycete	Phso	Phso_EGZ20493	Phso_EGZ20493
CBM13	188	EGZ20497	407	1.40E-17	8	136	279	404	0.680851064	Phytophthora_sojae	Phytophthora	CBM13_EGZ20497	Oomycete	Phso	Phso_EGZ20497	Phso_EGZ20497
GH18	296	EGZ20514	456	7.00E-37	85	278	192	429	0.652027027	Phytophthora_sojae	Phytophthora	GH18_EGZ20514	Oomycete	Phso	Phso_EGZ20514	Phso_EGZ20514_secreted
GT28	157	EGZ20688	168	3.10E-11	60	124	65	129	0.407643312	Phytophthora_sojae	Phytophthora	GT28_EGZ20688	Oomycete	Phso	Phso_EGZ20688	Phso_EGZ20688
GT71	264	EGZ20866	435	2.90E-40	4	257	54	318	0.958333333	Phytophthora_sojae	Phytophthora	GT71_EGZ20866	Oomycete	Phso	Phso_EGZ20866	Phso_EGZ20866_secreted
GT71	264	EGZ20870	352	5.70E-33	58	257	24	233	0.753787879	Phytophthora_sojae	Phytophthora	GT71_EGZ20870	Oomycete	Phso	Phso_EGZ20870	Phso_EGZ20870
GH78	504	EGZ20983	817	1.90E-62	128	500	385	786	0.738095238	Phytophthora_sojae	Phytophthora	GH78_EGZ20983	Oomycete	Phso	Phso_EGZ20983	Phso_EGZ20983_secreted
GH78	504	EGZ20989	850	7.10E-62	128	502	418	821	0.742063492	Phytophthora_sojae	Phytophthora	GH78_EGZ20989	Oomycete	Phso	Phso_EGZ20989	Phso_EGZ20989_secreted
GH78	504	EGZ20994	815	5.10E-68	100	502	355	788	0.797619048	Phytophthora_sojae	Phytophthora	GH78_EGZ20994	Oomycete	Phso	Phso_EGZ20994	Phso_EGZ20994_secreted
GH47	446	EGZ21119	505	1.50E-132	1	446	60	500	0.997757848	Phytophthora_sojae	Phytophthora	GH47_EGZ21119	Oomycete	Phso	Phso_EGZ21119	Phso_EGZ21119
GT20	475	EGZ21171	903	8.50E-140	51	473	15	465	0.888421053	Phytophthora_sojae	Phytophthora	GT20_EGZ21171	Oomycete	Phso	Phso_EGZ21171	Phso_EGZ21171
AA3	618	EGZ21199	540	1.00E-98	86	405	9	526	0.51618123	Phytophthora_sojae	Phytophthora	AA3_EGZ21199	Oomycete	Phso	Phso_EGZ21199	Phso_EGZ21199
CBM37	62	EGZ21236	597	0.000027	36	61	403	428	0.403225807	Phytophthora_sojae	Phytophthora	CBM37_EGZ21236	Oomycete	Phso	Phso_EGZ21236	Phso_EGZ21236
CBM37	62	EGZ21239	591	0.00011	30	61	392	424	0.5	Phytophthora_sojae	Phytophthora	CBM37_EGZ21239	Oomycete	Phso	Phso_EGZ21239	Phso_EGZ21239
GH5	275	EGZ21265	772	4.80E-28	3	235	37	538	0.843636364	Phytophthora_sojae	Phytophthora	GH5_EGZ21265	Oomycete	Phso	Phso_EGZ21265	Phso_EGZ21265
GH5	275	EGZ21289	687	5.70E												

GH81	622	EGZ21409	258	3.00E-93	371	571	14	216	0.321543408	Phytophthora_sojae	Phytophthora	GH81_EGZ21409	Oomycete	Phso	Phso_EGZ21409	Phso_EGZ21409
GT2	168	EGZ21442	913	3.50E-10	2	165	234	465	0.970238095	Phytophthora_sojae	Phytophthora	GT2_EGZ21442	Oomycete	Phso	Phso_EGZ21442	Phso_EGZ21442
GH47	446	EGZ21484	509	3.70E-118	1	446	66	507	0.997757848	Phytophthora_sojae	Phytophthora	GH47_EGZ21484	Oomycete	Phso	Phso_EGZ21484	Phso_EGZ21484_secreted
CBM47	128	EGZ21637	817	9.30E-19	6	128	481	619	0.953125	Phytophthora_sojae	Phytophthora	CBM47_EGZ21637	Oomycete	Phso	Phso_EGZ21637	Phso_EGZ21637
GH89	663	EGZ21652	991	7.80E-216	2	661	289	969	0.993966818	Phytophthora_sojae	Phytophthora	GH89_EGZ21652	Oomycete	Phso	Phso_EGZ21652	Phso_EGZ21652
GH38	269	EGZ21682	1104	8.90E-73	1	269	47	349	0.996282528	Phytophthora_sojae	Phytophthora	GH38_EGZ21682	Oomycete	Phso	Phso_EGZ21682	Phso_EGZ21682_secreted
GH89	663	EGZ21686	692	1.30E-218	15	662	1	665	0.97586727	Phytophthora_sojae	Phytophthora	GH89_EGZ21686	Oomycete	Phso	Phso_EGZ21686	Phso_EGZ21686
GT2	168	EGZ21748	1284	1.70E-11	2	108	605	792	0.630952381	Phytophthora_sojae	Phytophthora	GT2_EGZ21748	Oomycete	Phso	Phso_EGZ21748	Phso_EGZ21748
GT2	168	EGZ21748	1284	0.000000042	105	168	903	966	0.375	Phytophthora_sojae	Phytophthora	GT2_EGZ21748	Oomycete	Phso	Phso_EGZ21748	Phso_EGZ21748
GT2	168	EGZ21749	1013	1.40E-10	2	108	335	522	0.630952381	Phytophthora_sojae	Phytophthora	GT2_EGZ21749	Oomycete	Phso	Phso_EGZ21749	Phso_EGZ21749
GT2	168	EGZ21749	1013	0.000000013	105	168	634	697	0.375	Phytophthora_sojae	Phytophthora	GT2_EGZ21749	Oomycete	Phso	Phso_EGZ21749	Phso_EGZ21749
GT2	168	EGZ21773	249	1.40E-39	1	168	8	187	0.994047619	Phytophthora_sojae	Phytophthora	GT2_EGZ21773	Oomycete	Phso	Phso_EGZ21773	Phso_EGZ21773
GH53	342	EGZ21790	439	8.40E-80	1	317	26	335	0.923976608	Phytophthora_sojae	Phytophthora	GH53_EGZ21790	Oomycete	Phso	Phso_EGZ21790	Phso_EGZ21790_secreted
GH53	342	EGZ21791	359	6.90E-79	2	332	26	340	0.964912281	Phytophthora_sojae	Phytophthora	GH53_EGZ21791	Oomycete	Phso	Phso_EGZ21791	Phso_EGZ21791_secreted
GH53	342	EGZ21792	330	5.30E-54	78	335	81	315	0.751461988	Phytophthora_sojae	Phytophthora	GH53_EGZ21792	Oomycete	Phso	Phso_EGZ21792	Phso_EGZ21792_secreted
GH53	342	EGZ21795	324	2.60E-77	14	332	4	305	0.929824561	Phytophthora_sojae	Phytophthora	GH53_EGZ21795	Oomycete	Phso	Phso_EGZ21795	Phso_EGZ21795
GH53	342	EGZ21796	360	3.50E-80	2	333	27	342	0.967836257	Phytophthora_sojae	Phytophthora	GH53_EGZ21796	Oomycete	Phso	Phso_EGZ21796	Phso_EGZ21796_secreted
GH5	275	EGZ21858	639	3.50E-38	6	236	165	520	0.836363636	Phytophthora_sojae	Phytophthora	GH5_EGZ21858	Oomycete	Phso	Phso_EGZ21858	Phso_EGZ21858
PL3	197	EGZ21902	268	4.90E-72	2	196	31	228	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21902	Oomycete	Phso	Phso_EGZ21902	Phso_EGZ21902_secreted
PL3	197	EGZ21903	239	1.40E-70	2	196	2	199	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21903	Oomycete	Phso	Phso_EGZ21903	Phso_EGZ21903
CBM32	124	EGZ21913	211	1.50E-12	14	110	51	176	0.774193548	Phytophthora_sojae	Phytophthora	CBM32_EGZ21913	Oomycete	Phso	Phso_EGZ21913	Phso_EGZ21913_secreted
PL3	197	EGZ21960	350	8.20E-69	2	196	13	210	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21960	Oomycete	Phso	Phso_EGZ21960	Phso_EGZ21960
PL3	197	EGZ21961	603	4.90E-69	2	196	377	575	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21961	Oomycete	Phso	Phso_EGZ21961	Phso_EGZ21961
PL3	197	EGZ21961	603	2.90E-68	2	196	14	211	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21961	Oomycete	Phso	Phso_EGZ21961	Phso_EGZ21961
PL3	197	EGZ21967	700	3.80E-69	2	196	475	673	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21967	Oomycete	Phso	Phso_EGZ21967	Phso_EGZ21967_secreted
PL3	197	EGZ21967	700	6.90E-69	2	196	28	225	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21967	Oomycete	Phso	Phso_EGZ21967	Phso_EGZ21967_secreted
PL3	197	EGZ21968	393	6.20E-68	8	196	174	366	0.954314721	Phytophthora_sojae	Phytophthora	PL3_EGZ21968	Oomycete	Phso	Phso_EGZ21968	Phso_EGZ21968_secreted
PL3	197	EGZ21968	393	2.00E-57	2	144	28	172	0.720812183	Phytophthora_sojae	Phytophthora	PL3_EGZ21968	Oomycete	Phso	Phso_EGZ21968	Phso_EGZ21968_secreted
PL3	197	EGZ21969	254	1.40E-67	2	196	28	226	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21969	Oomycete	Phso	Phso_EGZ21969	Phso_EGZ21969_secreted
PL3	197	EGZ21977	242	1.00E-64	2	183	28	208	0.918781726	Phytophthora_sojae	Phytophthora	PL3_EGZ21977	Oomycete	Phso	Phso_EGZ21977	Phso_EGZ21977_secreted
AA9	220	EGZ21978	323	0.000000059	57	198	48	189	0.640909091	Phytophthora_sojae	Phytophthora	AA9_EGZ21978	Oomycete	Phso	Phso_EGZ21978	Phso_EGZ21978_secreted
PL3	197	EGZ21979	844	4.30E-67	2	196	102	300	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21979	Oomycete	Phso	Phso_EGZ21979	Phso_EGZ21979
PL3	197	EGZ21979	844	5.10E-65	4	196	620	816	0.974619289	Phytophthora_sojae	Phytophthora	PL3_EGZ21979	Oomycete	Phso	Phso_EGZ21979	Phso_EGZ21979
AA9	220	EGZ21981	323	0.000000059	57	198	48	189	0.640909091	Phytophthora_sojae	Phytophthora	AA9_EGZ21981	Oomycete	Phso	Phso_EGZ21981	Phso_EGZ21981_secreted
PL3	197	EGZ21982	844	4.30E-67	2	196	102	300	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21982	Oomycete	Phso	Phso_EGZ21982	Phso_EGZ21982
PL3	197	EGZ21982	844	5.10E-65	4	196	620	816	0.974619289	Phytophthora_sojae	Phytophthora	PL3_EGZ21982	Oomycete	Phso	Phso_EGZ21982	Phso_EGZ21982
PL3	197	EGZ21983	615	2.40E-67	2	196	31	229	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21983	Oomycete	Phso	Phso_EGZ21983	Phso_EGZ21983_secreted
PL3	197	EGZ21983	615	1.60E-66	2	196	389	587	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ21983	Oomycete	Phso	Phso_EGZ21983	Phso_EGZ21983_secreted
AA9	220	EGZ22012	323	0.000000059	57	198	48	189	0.640909091	Phytophthora_sojae	Phytophthora	AA9_EGZ22012	Oomycete	Phso	Phso_EGZ22012	Phso_EGZ22012_secreted
PL3	197	EGZ22013	266	2.40E-65	11	196	49	238	0.939086294	Phytophthora_sojae	Phytophthora	PL3_EGZ22013	Oomycete	Phso	Phso_EGZ22013	Phso_EGZ22013
GH5	275	EGZ22020	583	2.80E-32	3	239	176	528	0.858181818	Phytophthora_sojae	Phytophthora	GH5_EGZ22020	Oomycete	Phso	Phso_EGZ22020	Phso_EGZ22020
GH5	275	EGZ22021	591	7.80E-31	3	239	183	536	0.858181818	Phytophthora_sojae	Phytophthora	GH5_EGZ22021	Oomycete	Phso	Phso_EGZ22021	Phso_EGZ22021
GH5	275	EGZ22022	581	1.50E-31	3	239	174	527	0.858181818	Phytophthora_sojae	Phytophthora	GH5_EGZ22022	Oomycete	Phso	Phso_EGZ22022	Phso_EGZ22022
GH5	275	EGZ22023	441	2.60E-20	62	239	121	388	0.643636364	Phytophthora_sojae	Phytophthora	GH5_EGZ22023	Oomycete	Phso	Phso_EGZ22023	Phso_EGZ22023
GH5	275	EGZ22024	576	2.50E-31	3	240	179	529	0.861818182	Phytophthora_sojae	Phytophthora	GH5_EGZ22024	Oomycete	Phso	Phso_EGZ22024	Phso_EGZ22024
CE4	130	EGZ22054	260	4.00E-19	6	127	50	195	0.930769231	Phytophthora_sojae	Phytophthora	CE4_EGZ22054	Oomycete	Phso	Phso_EGZ22054	Phso_EGZ22054
PL1	202	EGZ22082	420	8.40E-43	24	201	147	337	0.876237624	Phytophthora_sojae	Phytophthora	PL1_EGZ22082	Oomycete	Phso	Phso_EGZ22082	Phso_EGZ22082_secreted
PL1	202	EGZ22083	420	8.40E-43	24	201	147	337	0.876237624	Phytophthora_sojae	Phytophthora	PL1_EGZ22083	Oomycete	Phso	Phso_EGZ22083	Phso_EGZ22083_secreted
PL1	202	EGZ22086	387	5.10E-42	24	201	111	301	0.876237624	Phytophthora_sojae	Phytophthora	PL1_EGZ22086	Oomycete	Phso	Phso_EGZ22086	Phso_EGZ22086
PL1	202	EGZ22090	904	1.10E-42	20	200	114	308	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ22090	Oomycete	Phso	Phso_EGZ22090	Phso_EGZ22090_secreted
PL1	202	EGZ22090	904	8.60E-41	21	200	545	738	0.886138614	Phytophthora_sojae	Phytophthora	PL1_EGZ22090	Oomycete	Phso	Phso_EGZ22090	Phso_EGZ22090_secreted
PL1	202	EGZ22092	960	2.70E-44	20	200	127	321	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ22092	Oomycete	Phso	Phso_EGZ22092	Phso_EGZ22092_secreted
PL1	202	EGZ22092	960	3.50E-44	20	200	603	797	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ22092	Oomycete	Phso	Phso_EGZ22092	Phso_EGZ22092_secreted
PL1	202	EGZ22095	904	1.10E-42	20	200	114	308	0.891089109	Phytophthora_sojae	Phytophthora	PL1_EGZ22095	Oomycete	Phso	Phso_EGZ22095	Phso_EGZ22095_secreted
PL1	202	EGZ22095	904	8.60E-41	21	200	545	738	0.886138614	Phytophthora_sojae	Phytophthora	PL1_EGZ22095	Oomycete	Phso	Phso_EGZ22095	Phso_EGZ22095_secreted
PL1	202	EGZ22098	397	1.50E-44	22	200	98	290	0.881188119	Phytophthora_sojae	Phytophthora	PL1_EGZ22098	Oomycete	Phso	Phso_EGZ22098	Phso_EGZ22098
PL1	202	EGZ22099	326	4.00E-23	21	120	39	141	0.49009901	Phytophthora_sojae	Phytophthora	PL1_EGZ22099	Oomycete	Phso	Phso_EGZ22099	Phso_EGZ22099
PL1	202	EGZ22100	407	9.90E-45	22	200	118	310	0.881188119	Phytophthora_sojae	Phytophthora	PL1_EGZ22100	Oomycete	Phso	Phso_EGZ22100	Phso_EGZ22100_secreted
PL3	197	EGZ22138	318	4.40E-70	2	196	28	226	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ22138	Oomycete	Phso	Phso_EGZ22138	Phso_EGZ22138_secreted
PL3	197	EGZ22140	293	3.50E-70	2	196	28	226	0.984771574	Phytophthora_sojae	Phytophthora	PL3_EGZ22140	Oomycete	Phso	Phso_EGZ22140	Phso_EGZ22140_secreted
CE12	210	EGZ22243	292	2.10E-09	2	159	46	223	0.747619048	Phytophthora_sojae	Phytophthora	CE12_EGZ22243	Oomycete	Phso	Phso_EGZ22243	Phso_EGZ22243_secreted
GT31	192	EGZ22312	346	1.70E-12	60	190	105	257	0.677083333	Phytophthora_sojae	Phytophthora	GT31_EGZ22312	Oomycete	Phso	Phso_EGZ22312	Phso_EGZ22312_secreted
CE1	227	EGZ22568	333	0.000000046	23	143	36	176	0.528634361	Phytophthora_sojae	Phytophthora	CE1_EGZ22568	Oomycete	Phso	Phso_EGZ22568	Phso_EGZ22568
CE1	227	EGZ22569	336	0.00000057	104	209	143	317	0.462555066	Phytophthora_sojae	Phytophthora	CE1_EGZ22569	Oomycete	Phso	Phso_EGZ22569	Phso_EGZ22569
GH3	216	EGZ22630	750	3.40E-55	4	192	115	305	0.87037037	Phytophthora_sojae	Phytophthora	GH3_EGZ22630	Oomycete	Phso	Phso_EGZ22630	Phso_EGZ22630_secreted
GT20	475	EGZ22677	1022	4.00E-194	9	474	187	665	0.978947368	Phytophthora_sojae	Phytophthora	GT20_EGZ22677	Oomycete	Phso	Phso_EGZ22677	Phso_EGZ22677
GH43	248	EGZ22824	331	1.10E-42	11	247	33	327	0.951612903	Phytophthora_sojae	Phytophthora	GH43_EGZ22824	Oomycete	Phso	Phso_EGZ22824	Phso_EGZ22824_secreted
PL6	372	EGZ22931	2585	0.000000025	8	157	1715	1868	0.400537634	Phytophthora_sojae	Phy					

GT60	330	EGZ23153	464	1.70E-57	2	329	73	385	0.990909091	Phytophthora_sojae	Phytophthora	GT60_EGZ23153	Oomycete	Phso	Phso_EGZ23153	Phso_EGZ23153
GT60	330	EGZ23160	461	4.90E-56	2	329	78	390	0.990909091	Phytophthora_sojae	Phytophthora	GT60_EGZ23160	Oomycete	Phso	Phso_EGZ23160	Phso_EGZ23160
GH17	311	EGZ23168	288	9.00E-14	2	305	29	283	0.974276527	Phytophthora_sojae	Phytophthora	GH17_EGZ23168	Oomycete	Phso	Phso_EGZ23168	Phso_EGZ23168_secreted
GH3	216	EGZ23266	782	3.40E-56	8	201	119	322	0.893518519	Phytophthora_sojae	Phytophthora	GH3_EGZ23266	Oomycete	Phso	Phso_EGZ23266	Phso_EGZ23266_secreted
CBM13	188	EGZ23317	91	0.000000069	37	134	5	55	0.515957447	Phytophthora_sojae	Phytophthora	CBM13_EGZ23317	Oomycete	Phso	Phso_EGZ23317	Phso_EGZ23317
CBM13	188	EGZ23323	436	5.20E-16	35	134	336	434	0.526595745	Phytophthora_sojae	Phytophthora	CBM13_EGZ23323	Oomycete	Phso	Phso_EGZ23323	Phso_EGZ23323_secreted
GH17	311	EGZ23323	436	1.90E-11	65	305	103	295	0.77170418	Phytophthora_sojae	Phytophthora	GH17_EGZ23323	Oomycete	Phso	Phso_EGZ23323	Phso_EGZ23323_secreted
GT4	160	EGZ23380	305	0.0009	55	118	214	279	0.39375	Phytophthora_sojae	Phytophthora	GT4_EGZ23380	Oomycete	Phso	Phso_EGZ23380	Phso_EGZ23380
AA2	255	EGZ23681	449	9.50E-27	27	253	220	442	0.88627451	Phytophthora_sojae	Phytophthora	AA2_EGZ23681	Oomycete	Phso	Phso_EGZ23681	Phso_EGZ23681
AA2	255	EGZ23682	449	9.50E-27	27	253	220	442	0.88627451	Phytophthora_sojae	Phytophthora	AA2_EGZ23682	Oomycete	Phso	Phso_EGZ23682	Phso_EGZ23682
GT57	481	EGZ23716	525	2.80E-143	2	480	32	508	0.993762994	Phytophthora_sojae	Phytophthora	GT57_EGZ23716	Oomycete	Phso	Phso_EGZ23716	Phso_EGZ23716
GH13	299	EGZ23727	712	1.20E-19	26	259	277	594	0.779264214	Phytophthora_sojae	Phytophthora	GH13_EGZ23727	Oomycete	Phso	Phso_EGZ23727	Phso_EGZ23727
CBM47	128	EGZ23729	2038	1.10E-10	5	122	958	1119	0.9140625	Phytophthora_sojae	Phytophthora	CBM47_EGZ23729	Oomycete	Phso	Phso_EGZ23729	Phso_EGZ23729
CE10	341	EGZ23976	789	1.90E-10	78	213	546	698	0.395894428	Phytophthora_sojae	Phytophthora	CE10_EGZ23976	Oomycete	Phso	Phso_EGZ23976	Phso_EGZ23976
GH81	622	EGZ24052	750	1.80E-169	16	621	78	745	0.97266881	Phytophthora_sojae	Phytophthora	GH81_EGZ24052	Oomycete	Phso	Phso_EGZ24052	Phso_EGZ24052
GH81	622	EGZ24128	786	3.20E-182	13	621	106	779	0.977491961	Phytophthora_sojae	Phytophthora	GH81_EGZ24128	Oomycete	Phso	Phso_EGZ24128	Phso_EGZ24128_secreted
GH81	622	EGZ24129	786	3.20E-182	13	621	106	779	0.977491961	Phytophthora_sojae	Phytophthora	GH81_EGZ24129	Oomycete	Phso	Phso_EGZ24129	Phso_EGZ24129_secreted
CE1	227	EGZ24162	527	2.30E-17	8	209	196	503	0.885462555	Phytophthora_sojae	Phytophthora	CE1_EGZ24162	Oomycete	Phso	Phso_EGZ24162	Phso_EGZ24162
CBM63	78	EGZ24183	255	0.000000065	3	75	134	205	0.923076923	Phytophthora_sojae	Phytophthora	CBM63_EGZ24183	Oomycete	Phso	Phso_EGZ24183	Phso_EGZ24183_secreted
CE10	341	EGZ24406	523	3.00E-25	55	183	44	181	0.375366569	Phytophthora_sojae	Phytophthora	CE10_EGZ24406	Oomycete	Phso	Phso_EGZ24406	Phso_EGZ24406_secreted
GH3	216	EGZ24680	769	1.10E-60	4	214	73	322	0.972222222	Phytophthora_sojae	Phytophthora	GH3_EGZ24680	Oomycete	Phso	Phso_EGZ24680	Phso_EGZ24680_secreted
GH3	216	EGZ24681	805	1.20E-60	4	214	74	323	0.972222222	Phytophthora_sojae	Phytophthora	GH3_EGZ24681	Oomycete	Phso	Phso_EGZ24681	Phso_EGZ24681_secreted
GH3	216	EGZ24687	805	2.20E-60	4	214	73	320	0.972222222	Phytophthora_sojae	Phytophthora	GH3_EGZ24687	Oomycete	Phso	Phso_EGZ24687	Phso_EGZ24687_secreted
GH28	325	EGZ24707	286	2.00E-41	84	276	87	282	0.590769231	Phytophthora_sojae	Phytophthora	GH28_EGZ24707	Oomycete	Phso	Phso_EGZ24707	Phso_EGZ24707
GH28	325	EGZ24718	254	8.90E-58	81	310	1	247	0.704615385	Phytophthora_sojae	Phytophthora	GH28_EGZ24718	Oomycete	Phso	Phso_EGZ24718	Phso_EGZ24718
GH3	216	EGZ24770	736	4.70E-55	5	208	83	294	0.939814815	Phytophthora_sojae	Phytophthora	GH3_EGZ24770	Oomycete	Phso	Phso_EGZ24770	Phso_EGZ24770_secreted
CE1	227	EGZ24825	225	1.40E-10	22	210	13	203	0.828193833	Phytophthora_sojae	Phytophthora	CE1_EGZ24825	Oomycete	Phso	Phso_EGZ24825	Phso_EGZ24825
CE1	227	EGZ24826	228	1.40E-12	22	223	13	222	0.885462555	Phytophthora_sojae	Phytophthora	CE1_EGZ24826	Oomycete	Phso	Phso_EGZ24826	Phso_EGZ24826
CE1	227	EGZ24829	228	7.00E-13	23	222	14	221	0.876651982	Phytophthora_sojae	Phytophthora	CE1_EGZ24829	Oomycete	Phso	Phso_EGZ24829	Phso_EGZ24829
GT33	425	EGZ24830	651	3.00E-156	7	412	1	424	0.952941177	Phytophthora_sojae	Phytophthora	GT33_EGZ24830	Oomycete	Phso	Phso_EGZ24830	Phso_EGZ24830
CE1	227	EGZ24836	284	2.00E-20	4	141	44	181	0.603524229	Phytophthora_sojae	Phytophthora	CE1_EGZ24836	Oomycete	Phso	Phso_EGZ24836	Phso_EGZ24836_secreted
CBM1	29	EGZ24871	132	0.00012	3	27	58	80	0.827586207	Phytophthora_sojae	Phytophthora	CBM1_EGZ24871	Oomycete	Phso	Phso_EGZ24871	Phso_EGZ24871
CBM1	29	EGZ24872	263	0.000000058	2	29	232	257	0.931034483	Phytophthora_sojae	Phytophthora	CBM1_EGZ24872	Oomycete	Phso	Phso_EGZ24872	Phso_EGZ24872_secreted
CBM1	29	EGZ24872	263	0.0000011	2	29	78	103	0.931034483	Phytophthora_sojae	Phytophthora	CBM1_EGZ24872	Oomycete	Phso	Phso_EGZ24872	Phso_EGZ24872_secreted
CBM1	29	EGZ24872	263	0.00015	2	26	156	178	0.827586207	Phytophthora_sojae	Phytophthora	CBM1_EGZ24872	Oomycete	Phso	Phso_EGZ24872	Phso_EGZ24872_secreted
CBM1	29	EGZ24872	263	0.00055	2	29	42	67	0.931034483	Phytophthora_sojae	Phytophthora	CBM1_EGZ24872	Oomycete	Phso	Phso_EGZ24872	Phso_EGZ24872_secreted
GH31	427	EGZ24905	1022	6.10E-146	2	427	406	879	0.995316159	Phytophthora_sojae	Phytophthora	GH31_EGZ24905	Oomycete	Phso	Phso_EGZ24905	Phso_EGZ24905_secreted
GH3	216	EGZ24944	714	2.80E-38	4	215	112	321	0.976851852	Phytophthora_sojae	Phytophthora	GH3_EGZ24944	Oomycete	Phso	Phso_EGZ24944	Phso_EGZ24944_secreted
PL3	197	EGZ25298	249	1.30E-65	2	195	24	221	0.979695432	Phytophthora_sojae	Phytophthora	PL3_EGZ25298	Oomycete	Phso	Phso_EGZ25298	Phso_EGZ25298_secreted
PL3	197	EGZ25299	249	1.30E-65	2	195	24	221	0.979695432	Phytophthora_sojae	Phytophthora	PL3_EGZ25299	Oomycete	Phso	Phso_EGZ25299	Phso_EGZ25299_secreted
GT62	268	EGZ25326	338	1.50E-42	19	266	65	296	0.921641791	Phytophthora_sojae	Phytophthora	GT62_EGZ25326	Oomycete	Phso	Phso_EGZ25326	Phso_EGZ25326
GT71	264	EGZ25334	398	2.20E-31	4	257	39	284	0.958333333	Phytophthora_sojae	Phytophthora	GT71_EGZ25334	Oomycete	Phso	Phso_EGZ25334	Phso_EGZ25334
GT32	90	EGZ25335	358	2.60E-17	7	88	95	170	0.9	Phytophthora_sojae	Phytophthora	GT32_EGZ25335	Oomycete	Phso	Phso_EGZ25335	Phso_EGZ25335
GT71	264	EGZ25336	368	4.40E-32	10	257	3	249	0.935606061	Phytophthora_sojae	Phytophthora	GT71_EGZ25336	Oomycete	Phso	Phso_EGZ25336	Phso_EGZ25336
GT71	264	EGZ25337	321	2.90E-39	4	257	39	312	0.958333333	Phytophthora_sojae	Phytophthora	GT71_EGZ25337	Oomycete	Phso	Phso_EGZ25337	Phso_EGZ25337_secreted
GT62	268	EGZ25341	284	5.60E-28	16	266	12	240	0.932835821	Phytophthora_sojae	Phytophthora	GT62_EGZ25341	Oomycete	Phso	Phso_EGZ25341	Phso_EGZ25341
CE12	210	EGZ25346	271	2.00E-12	3	162	25	203	0.757142857	Phytophthora_sojae	Phytophthora	CE12_EGZ25346	Oomycete	Phso	Phso_EGZ25346	Phso_EGZ25346
GT71	264	EGZ25380	419	7.50E-22	2	126	81	209	0.46969697	Phytophthora_sojae	Phytophthora	GT71_EGZ25380	Oomycete	Phso	Phso_EGZ25380	Phso_EGZ25380
GH7	415	EGZ25461	554	2.30E-176	2	414	28	468	0.992771084	Phytophthora_sojae	Phytophthora	GH7_EGZ25461	Oomycete	Phso	Phso_EGZ25461	Phso_EGZ25461_secreted
GH7	415	EGZ25462	475	3.50E-120	22	302	6	302	0.674698795	Phytophthora_sojae	Phytophthora	GH7_EGZ25462	Oomycete	Phso	Phso_EGZ25462	Phso_EGZ25462
GH7	415	EGZ25463	568	2.00E-146	2	414	28	436	0.992771084	Phytophthora_sojae	Phytophthora	GH7_EGZ25463	Oomycete	Phso	Phso_EGZ25463	Phso_EGZ25463_secreted
CBM47	128	EGZ25478	5303	0.000000092	3	128	4883	5024	0.9765625	Phytophthora_sojae	Phytophthora	CBM47_EGZ25478	Oomycete	Phso	Phso_EGZ25478	Phso_EGZ25478_secreted
GH37	491	EGZ25485	629	1.10E-150	1	491	78	613	0.99796334	Phytophthora_sojae	Phytophthora	GH37_EGZ25485	Oomycete	Phso	Phso_EGZ25485	Phso_EGZ25485_secreted
GH37	491	EGZ25498	576	1.10E-161	2	489	19	566	0.991853361	Phytophthora_sojae	Phytophthora	GH37_EGZ25498	Oomycete	Phso	Phso_EGZ25498	Phso_EGZ25498
CBM20	90	EGZ25509	1182	0.00000018	2	81	105	188	0.877777777	Phytophthora_sojae	Phytophthora	CBM20_EGZ25509	Oomycete	Phso	Phso_EGZ25509	Phso_EGZ25509
GT20	475	EGZ25509	1182	8.50E-133	14	474	313	809	0.968421053	Phytophthora_sojae	Phytophthora	GT20_EGZ25509	Oomycete	Phso	Phso_EGZ25509	Phso_EGZ25509
GH85	315	EGZ25576	853	1.50E-63	1	274	239	504	0.866666667	Phytophthora_sojae	Phytophthora	GH85_EGZ25576	Oomycete	Phso	Phso_EGZ25576	Phso_EGZ25576_secreted
GT2	168	EGZ25592	271	1.80E-14	41	165	61	189	0.738095238	Phytophthora_sojae	Phytophthora	GT2_EGZ25592	Oomycete	Phso	Phso_EGZ25592	Phso_EGZ25592
GH12	156	EGZ25667	426	2.70E-40	2	156	91	239	0.987179487	Phytophthora_sojae	Phytophthora	GH12_EGZ25667	Oomycete	Phso	Phso_EGZ25667	Phso_EGZ25667_secreted
GH12	156	EGZ25668	237	3.70E-43	3	156	89	236	0.980769231	Phytophthora_sojae	Phytophthora	GH12_EGZ25668	Oomycete	Phso	Phso_EGZ25668	Phso_EGZ25668_secreted
GH16	189	EGZ25699	421	0.000000047	68	144	295	389	0.402116402	Phytophthora_sojae	Phytophthora	GH16_EGZ25699	Oomycete	Phso	Phso_EGZ25699	Phso_EGZ25699_secreted
GT62	268	EGZ25805	333	2.00E-27	17	266	74	289	0.929104478	Phytophthora_sojae	Phytophthora	GT62_EGZ25805	Oomycete	Phso	Phso_EGZ25805	Phso_EGZ25805
GT62	268	EGZ25806	337	1.30E-40	19	266	66	295	0.921641791	Phytophthora_sojae	Phytophthora	GT62_EGZ25806	Oomycete	Phso	Phso_EGZ25806	Phso_EGZ25806
GT62	268	EGZ25809	443	5.70E-32	17	248	192	405	0.861940299	Phytophthora_sojae	Phytophthora	GT62_EGZ25809	Oomycete	Phso	Phso_EGZ25809	Phso_EGZ25809_secreted
GT62	268	EGZ25814	139	2.80E-24	88	199	14	122	0.414179105	Phytophthora_sojae	Phytophthora	GT62_EGZ25814	Oomycete	Phso	Phso_EGZ25814	Phso_EGZ25814
CE1	227	EGZ25909	283	0.000000081	79	157	78	161	0.343612335	Phytophthora_sojae	Phytophthora	CE1_EGZ25909	Oomycete	Phso	Phso_EGZ25909	Phso_EGZ25909
AA2	255	EGZ25969	687	2.30E-32	26	253	457	680	0.890196078	Phytophthora_sojae	Phytophthora	AA2_EGZ25969	Oomycete	Phso	Phso_EGZ25969	Phso_EGZ25969_secreted
AA2	255	EGZ25969	687	3.00E-23	14	127	74	189	0.44313							

AA2	255	EGZ25983	687	0.0000006	168	250	302	387	0.321568628	Phytophthora_sojae	Phytophthora	AA2_EGZ25983	Oomycete	Phso	Phso_EGZ25983	Phso_EGZ25983_secreted
AA2	255	EGZ25995	686	1.50E-26	27	253	457	679	0.88627451	Phytophthora_sojae	Phytophthora	AA2_EGZ25995	Oomycete	Phso	Phso_EGZ25995	Phso_EGZ25995_secreted
AA2	255	EGZ25995	686	1.70E-23	16	125	76	187	0.42745098	Phytophthora_sojae	Phytophthora	AA2_EGZ25995	Oomycete	Phso	Phso_EGZ25995	Phso_EGZ25995_secreted
AA2	255	EGZ25995	686	0.0000022	167	251	299	388	0.329411765	Phytophthora_sojae	Phytophthora	AA2_EGZ25995	Oomycete	Phso	Phso_EGZ25995	Phso_EGZ25995_secreted
GT24	248	EGZ26048	1494	3.00E-122	1	248	1213	1458	0.995967742	Phytophthora_sojae	Phytophthora	GT24_EGZ26048	Oomycete	Phso	Phso_EGZ26048	Phso_EGZ26048
AA8	815	EGZ26185	644	9.30E-85	237	769	20	547	0.652760736	Phytophthora_sojae	Phytophthora	AA8_EGZ26185	Oomycete	Phso	Phso_EGZ26185	Phso_EGZ26185_secreted
GT7	250	EGZ26192	302	1.30E-60	30	249	3	238	0.876	Phytophthora_sojae	Phytophthora	GT7_EGZ26192	Oomycete	Phso	Phso_EGZ26192	Phso_EGZ26192
CE10	341	EGZ26212	426	7.60E-30	84	336	160	413	0.739002933	Phytophthora_sojae	Phytophthora	CE10_EGZ26212	Oomycete	Phso	Phso_EGZ26212	Phso_EGZ26212
CE10	341	EGZ26214	428	3.00E-32	78	337	152	411	0.759530792	Phytophthora_sojae	Phytophthora	CE10_EGZ26214	Oomycete	Phso	Phso_EGZ26214	Phso_EGZ26214
CE10	341	EGZ26218	366	8.30E-34	86	337	98	349	0.736070381	Phytophthora_sojae	Phytophthora	CE10_EGZ26218	Oomycete	Phso	Phso_EGZ26218	Phso_EGZ26218
CE10	341	EGZ26220	361	1.30E-32	85	334	97	346	0.730205279	Phytophthora_sojae	Phytophthora	CE10_EGZ26220	Oomycete	Phso	Phso_EGZ26220	Phso_EGZ26220
CE10	341	EGZ26233	317	2.10E-28	86	336	58	305	0.73313783	Phytophthora_sojae	Phytophthora	CE10_EGZ26233	Oomycete	Phso	Phso_EGZ26233	Phso_EGZ26233
CE10	341	EGZ26234	413	1.60E-22	86	287	166	364	0.589442815	Phytophthora_sojae	Phytophthora	CE10_EGZ26234	Oomycete	Phso	Phso_EGZ26234	Phso_EGZ26234
CE10	341	EGZ26235	419	5.70E-28	84	287	167	370	0.595307918	Phytophthora_sojae	Phytophthora	CE10_EGZ26235	Oomycete	Phso	Phso_EGZ26235	Phso_EGZ26235
CE1	227	EGZ26418	438	5.60E-09	27	143	142	335	0.511013216	Phytophthora_sojae	Phytophthora	CE1_EGZ26418	Oomycete	Phso	Phso_EGZ26418	Phso_EGZ26418
GH17	311	EGZ26492	294	7.20E-23	11	309	36	278	0.958199357	Phytophthora_sojae	Phytophthora	GH17_EGZ26492	Oomycete	Phso	Phso_EGZ26492	Phso_EGZ26492_secreted
CE1	227	EGZ26551	885	1.10E-09	10	220	611	871	0.925110132	Phytophthora_sojae	Phytophthora	CE1_EGZ26551	Oomycete	Phso	Phso_EGZ26551	Phso_EGZ26551
GT2	168	EGZ26840	531	0.00057	42	116	294	366	0.440476191	Phytophthora_sojae	Phytophthora	GT2_EGZ26840	Oomycete	Phso	Phso_EGZ26840	Phso_EGZ26840
CE12	210	EGZ26844	280	6.80E-12	1	162	39	218	0.766666667	Phytophthora_sojae	Phytophthora	CE12_EGZ26844	Oomycete	Phso	Phso_EGZ26844	Phso_EGZ26844_secreted
GT2	168	EGZ26845	547	0.00051	42	115	303	374	0.43452381	Phytophthora_sojae	Phytophthora	GT2_EGZ26845	Oomycete	Phso	Phso_EGZ26845	Phso_EGZ26845
GH81	622	EGZ26846	427	1.10E-91	188	497	6	346	0.496784566	Phytophthora_sojae	Phytophthora	GH81_EGZ26846	Oomycete	Phso	Phso_EGZ26846	Phso_EGZ26846
CE12	210	EGZ26852	279	1.30E-15	2	171	39	220	0.804761905	Phytophthora_sojae	Phytophthora	CE12_EGZ26852	Oomycete	Phso	Phso_EGZ26852	Phso_EGZ26852
GT4	160	EGZ26924	1367	0.00000027	19	125	1173	1295	0.6625	Phytophthora_sojae	Phytophthora	GT4_EGZ26924	Oomycete	Phso	Phso_EGZ26924	Phso_EGZ26924_secreted
GT41	705	EGZ26924	1367	2.40E-110	106	517	128	726	0.582978723	Phytophthora_sojae	Phytophthora	GT41_EGZ26924	Oomycete	Phso	Phso_EGZ26924	Phso_EGZ26924_secreted
CE1	227	EGZ26941	223	0.0000085	29	123	6	124	0.414096916	Phytophthora_sojae	Phytophthora	CE1_EGZ26941	Oomycete	Phso	Phso_EGZ26941	Phso_EGZ26941
CE8	288	EGZ27008	229	4.90E-55	67	273	11	209	0.715277778	Phytophthora_sojae	Phytophthora	CE8_EGZ27008	Oomycete	Phso	Phso_EGZ27008	Phso_EGZ27008
CE8	288	EGZ27010	319	2.10E-61	7	275	32	297	0.930555556	Phytophthora_sojae	Phytophthora	CE8_EGZ27010	Oomycete	Phso	Phso_EGZ27010	Phso_EGZ27010
CE8	288	EGZ27028	339	3.00E-74	9	274	44	316	0.920138889	Phytophthora_sojae	Phytophthora	CE8_EGZ27028	Oomycete	Phso	Phso_EGZ27028	Phso_EGZ27028_secreted
CE8	288	EGZ27030	349	3.70E-71	3	270	36	312	0.927083333	Phytophthora_sojae	Phytophthora	CE8_EGZ27030	Oomycete	Phso	Phso_EGZ27030	Phso_EGZ27030_secreted
GH105	332	EGZ27032	370	9.10E-46	36	332	47	367	0.891566265	Phytophthora_sojae	Phytophthora	GH105_EGZ27032	Oomycete	Phso	Phso_EGZ27032	Phso_EGZ27032
CE8	288	EGZ27037	339	9.50E-77	3	269	36	311	0.923611111	Phytophthora_sojae	Phytophthora	CE8_EGZ27037	Oomycete	Phso	Phso_EGZ27037	Phso_EGZ27037_secreted
CE8	288	EGZ27038	244	5.20E-64	60	273	6	220	0.739583333	Phytophthora_sojae	Phytophthora	CE8_EGZ27038	Oomycete	Phso	Phso_EGZ27038	Phso_EGZ27038
AA7	458	EGZ27050	504	1.70E-57	5	454	56	495	0.980349345	Phytophthora_sojae	Phytophthora	AA7_EGZ27050	Oomycete	Phso	Phso_EGZ27050	Phso_EGZ27050_secreted
GT2	168	EGZ27195	901	5.20E-12	2	165	218	438	0.970238095	Phytophthora_sojae	Phytophthora	GT2_EGZ27195	Oomycete	Phso	Phso_EGZ27195	Phso_EGZ27195
GH131	255	EGZ27216	289	2.50E-24	35	244	60	258	0.819607843	Phytophthora_sojae	Phytophthora	GH131_EGZ27216	Oomycete	Phso	Phso_EGZ27216	Phso_EGZ27216_secreted
GH131	255	EGZ27220	327	2.10E-24	35	251	51	256	0.847058824	Phytophthora_sojae	Phytophthora	GH131_EGZ27220	Oomycete	Phso	Phso_EGZ27220	Phso_EGZ27220
GH131	255	EGZ27221	259	3.80E-20	13	253	26	253	0.941176471	Phytophthora_sojae	Phytophthora	GH131_EGZ27221	Oomycete	Phso	Phso_EGZ27221	Phso_EGZ27221_secreted
GH131	255	EGZ27222	275	5.50E-12	58	248	65	242	0.745098039	Phytophthora_sojae	Phytophthora	GH131_EGZ27222	Oomycete	Phso	Phso_EGZ27222	Phso_EGZ27222_secreted
GH131	255	EGZ27224	365	2.30E-24	3	246	33	256	0.952941177	Phytophthora_sojae	Phytophthora	GH131_EGZ27224	Oomycete	Phso	Phso_EGZ27224	Phso_EGZ27224_secreted
GH35	307	EGZ27231	825	6.50E-88	1	306	94	395	0.993485342	Phytophthora_sojae	Phytophthora	GH35_EGZ27231	Oomycete	Phso	Phso_EGZ27231	Phso_EGZ27231
CBM38	129	EGZ27250	3750	2.10E-20	4	128	3179	3399	0.96124031	Phytophthora_sojae	Phytophthora	CBM38_EGZ27250	Oomycete	Phso	Phso_EGZ27250	Phso_EGZ27250_secreted
GH28	325	EGZ27335	332	2.60E-66	4	317	16	332	0.963076923	Phytophthora_sojae	Phytophthora	GH28_EGZ27335	Oomycete	Phso	Phso_EGZ27335	Phso_EGZ27335
GT41	705	EGZ27416	986	1.60E-86	464	703	476	723	0.339007092	Phytophthora_sojae	Phytophthora	GT41_EGZ27416	Oomycete	Phso	Phso_EGZ27416	Phso_EGZ27416
GH19	231	EGZ27451	263	1.30E-64	6	231	57	261	0.974025974	Phytophthora_sojae	Phytophthora	GH19_EGZ27451	Oomycete	Phso	Phso_EGZ27451	Phso_EGZ27451_secreted
GH19	231	EGZ27452	316	6.20E-66	7	229	111	312	0.961038961	Phytophthora_sojae	Phytophthora	GH19_EGZ27452	Oomycete	Phso	Phso_EGZ27452	Phso_EGZ27452_secreted
GH3	216	EGZ27649	775	2.50E-56	10	216	120	337	0.953703704	Phytophthora_sojae	Phytophthora	GH3_EGZ27649	Oomycete	Phso	Phso_EGZ27649	Phso_EGZ27649_secreted
GT22	389	EGZ27706	533	4.10E-114	3	389	13	424	0.992287918	Phytophthora_sojae	Phytophthora	GT22_EGZ27706	Oomycete	Phso	Phso_EGZ27706	Phso_EGZ27706
GT59	404	EGZ27833	422	5.60E-111	2	392	44	420	0.965346535	Phytophthora_sojae	Phytophthora	GT59_EGZ27833	Oomycete	Phso	Phso_EGZ27833	Phso_EGZ27833
GH3	216	EGZ27931	760	1.40E-62	6	209	111	323	0.939814815	Phytophthora_sojae	Phytophthora	GH3_EGZ27931	Oomycete	Phso	Phso_EGZ27931	Phso_EGZ27931_secreted
GH3	216	EGZ27932	696	3.50E-51	5	204	80	272	0.921296296	Phytophthora_sojae	Phytophthora	GH3_EGZ27932	Oomycete	Phso	Phso_EGZ27932	Phso_EGZ27932
GH3	216	EGZ27933	764	3.20E-63	5	207	67	271	0.935185185	Phytophthora_sojae	Phytophthora	GH3_EGZ27933	Oomycete	Phso	Phso_EGZ27933	Phso_EGZ27933
GH3	216	EGZ27934	1152	1.60E-59	5	204	515	724	0.921296296	Phytophthora_sojae	Phytophthora	GH3_EGZ27934	Oomycete	Phso	Phso_EGZ27934	Phso_EGZ27934
GT4	160	EGZ27990	459	9.20E-17	7	128	228	364	0.75625	Phytophthora_sojae	Phytophthora	GT4_EGZ27990	Oomycete	Phso	Phso_EGZ27990	Phso_EGZ27990
GH3	216	EGZ28013	1024	3.10E-56	4	215	360	582	0.976851852	Phytophthora_sojae	Phytophthora	GH3_EGZ28013	Oomycete	Phso	Phso_EGZ28013	Phso_EGZ28013
GH3	216	EGZ28014	680	6.20E-63	5	215	130	351	0.972222222	Phytophthora_sojae	Phytophthora	GH3_EGZ28014	Oomycete	Phso	Phso_EGZ28014	Phso_EGZ28014
GH109	126	EGZ28017	347	0.00000056	69	118	62	111	0.388888889	Phytophthora_sojae	Phytophthora	GH109_EGZ28017	Oomycete	Phso	Phso_EGZ28017	Phso_EGZ28017
CBM54	114	EGZ28110	127	0.00036	61	113	17	70	0.456140351	Phytophthora_sojae	Phytophthora	CBM54_EGZ28110	Oomycete	Phso	Phso_EGZ28110	Phso_EGZ28110
PL9	374	EGZ28112	416	0.00000044	22	286	98	354	0.705882353	Phytophthora_sojae	Phytophthora	PL9_EGZ28112	Oomycete	Phso	Phso_EGZ28112	Phso_EGZ28112
GH30	417	EGZ28138	510	8.40E-43	6	414	17	493	0.978417266	Phytophthora_sojae	Phytophthora	GH30_EGZ28138	Oomycete	Phso	Phso_EGZ28138	Phso_EGZ28138_secreted
GH16	189	EGZ28172	2639	2.80E-25	3	189	72	411	0.984126984	Phytophthora_sojae	Phytophthora	GH16_EGZ28172	Oomycete	Phso	Phso_EGZ28172	Phso_EGZ28172
GT48	739	EGZ28172	2639	2.80E-261	3	692	1654	2309	0.932341001	Phytophthora_sojae	Phytophthora	GT48_EGZ28172	Oomycete	Phso	Phso_EGZ28172	Phso_EGZ28172
GH30	417	EGZ28196	310	1.70E-20	190	414	75	303	0.537170264	Phytophthora_sojae	Phytophthora	GH30_EGZ28196	Oomycete	Phso	Phso_EGZ28196	Phso_EGZ28196
GH30	417	EGZ28197	496	3.60E-62	12	416	26	491	0.96882494	Phytophthora_sojae	Phytophthora	GH30_EGZ28197	Oomycete	Phso	Phso_EGZ28197	Phso_EGZ28197_secreted
GH30	417	EGZ28200	383	3.40E-51	65	416	12	378	0.841726619	Phytophthora_sojae	Phytophthora	GH30_EGZ28200	Oomycete	Phso	Phso_EGZ28200	Phso_EGZ28200
GH3	216	EGZ28260	756	1.10E-61	5	203	63	271	0.916666667	Phytophthora_sojae	Phytophthora	GH3_EGZ28260	Oomycete	Phso	Phso_EGZ28260	Phso_EGZ28260
GH72	312	EGZ28271	553	2.50E-74	7	310	29	378	0.971153846	Phytophthora_sojae	Phytophthora	GH72_EGZ28271	Oomycete	Phso	Phso_EGZ28271	Phso_EGZ28271
GT48	739	EGZ28309	1970	4.30E-280	3	708	1058	1781	0.953991881	Phytophthora_sojae	Phytophthora	GT48_EGZ28309	Oomycete	Phso	Phso_EGZ28309	Phso_EGZ28309
GT48	739	EGZ28310	2025	2.70E-280	3	711	1113	1839</								

GH81	622	EGZ28382	775	2.30E-179	11	621	67	735	0.980707396	Phytophthora_sojae	Phytophthora	GH81_EGZ28382	Oomycete	Phso	Phso_EGZ28382	Phso_EGZ28382_secreted
GH81	622	EGZ28383	667	3.00E-171	11	584	29	665	0.921221865	Phytophthora_sojae	Phytophthora	GH81_EGZ28383	Oomycete	Phso	Phso_EGZ28383	Phso_EGZ28383
CE13	355	EGZ28389	434	1.40E-25	27	184	72	247	0.442253521	Phytophthora_sojae	Phytophthora	CE13_EGZ28389	Oomycete	Phso	Phso_EGZ28389	Phso_EGZ28389_secreted
CE13	355	EGZ28390	506	4.60E-25	25	196	104	293	0.481690141	Phytophthora_sojae	Phytophthora	CE13_EGZ28390	Oomycete	Phso	Phso_EGZ28390	Phso_EGZ28390
GH81	622	EGZ28402	836	2.50E-177	11	621	74	737	0.980707396	Phytophthora_sojae	Phytophthora	GH81_EGZ28402	Oomycete	Phso	Phso_EGZ28402	Phso_EGZ28402
GT60	330	EGZ28417	426	1.20E-47	3	329	81	398	0.987878788	Phytophthora_sojae	Phytophthora	GT60_EGZ28417	Oomycete	Phso	Phso_EGZ28417	Phso_EGZ28417
GT90	250	EGZ28495	760	3.00E-29	3	240	253	596	0.948	Phytophthora_sojae	Phytophthora	GT90_EGZ28495	Oomycete	Phso	Phso_EGZ28495	Phso_EGZ28495
GH81	622	EGZ28628	598	5.30E-137	106	622	2	589	0.829581994	Phytophthora_sojae	Phytophthora	GH81_EGZ28628	Oomycete	Phso	Phso_EGZ28628	Phso_EGZ28628
CE10	341	EGZ28746	979	5.40E-42	77	331	659	939	0.744868035	Phytophthora_sojae	Phytophthora	CE10_EGZ28746	Oomycete	Phso	Phso_EGZ28746	Phso_EGZ28746
CE10	341	EGZ28746	979	1.80E-37	76	324	170	437	0.727272727	Phytophthora_sojae	Phytophthora	CE10_EGZ28746	Oomycete	Phso	Phso_EGZ28746	Phso_EGZ28746
GT71	264	EGZ29016	540	2.40E-52	2	264	177	413	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ29016	Oomycete	Phso	Phso_EGZ29016	Phso_EGZ29016
CBM63	78	EGZ29129	313	0.000000054	2	74	139	212	0.923076923	Phytophthora_sojae	Phytophthora	CBM63_EGZ29129	Oomycete	Phso	Phso_EGZ29129	Phso_EGZ29129_secreted
CBM63	78	EGZ29132	227	0.000000011	2	75	139	213	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ29132	Oomycete	Phso	Phso_EGZ29132	Phso_EGZ29132_secreted
GH45	198	EGZ29132	227	0.0000078	47	117	27	106	0.353535354	Phytophthora_sojae	Phytophthora	GH45_EGZ29132	Oomycete	Phso	Phso_EGZ29132	Phso_EGZ29132_secreted
CBM63	78	EGZ29133	515	3.40E-09	2	75	137	211	0.935897436	Phytophthora_sojae	Phytophthora	CBM63_EGZ29133	Oomycete	Phso	Phso_EGZ29133	Phso_EGZ29133
CBM63	78	EGZ29134	225	8.70E-09	4	72	143	210	0.871794872	Phytophthora_sojae	Phytophthora	CBM63_EGZ29134	Oomycete	Phso	Phso_EGZ29134	Phso_EGZ29134_secreted
CBM63	78	EGZ29137	194	0.00075	4	32	143	171	0.358974359	Phytophthora_sojae	Phytophthora	CBM63_EGZ29137	Oomycete	Phso	Phso_EGZ29137	Phso_EGZ29137_secreted
CBM63	78	EGZ29139	236	0.000000014	4	73	143	211	0.884615385	Phytophthora_sojae	Phytophthora	CBM63_EGZ29139	Oomycete	Phso	Phso_EGZ29139	Phso_EGZ29139_secreted
GH16	189	EGZ29201	770	1.90E-10	61	189	371	588	0.677248677	Phytophthora_sojae	Phytophthora	GH16_EGZ29201	Oomycete	Phso	Phso_EGZ29201	Phso_EGZ29201
GH16	189	EGZ29201	770	0.0000085	4	99	85	252	0.502645503	Phytophthora_sojae	Phytophthora	GH16_EGZ29201	Oomycete	Phso	Phso_EGZ29201	Phso_EGZ29201
GH16	189	EGZ29202	652	2.50E-09	122	189	354	461	0.354497355	Phytophthora_sojae	Phytophthora	GH16_EGZ29202	Oomycete	Phso	Phso_EGZ29202	Phso_EGZ29202
GH16	189	EGZ29202	652	0.000000044	4	98	3	150	0.497354497	Phytophthora_sojae	Phytophthora	GH16_EGZ29202	Oomycete	Phso	Phso_EGZ29202	Phso_EGZ29202
GH16	189	EGZ29213	729	3.50E-09	122	189	440	571	0.354497355	Phytophthora_sojae	Phytophthora	GH16_EGZ29213	Oomycete	Phso	Phso_EGZ29213	Phso_EGZ29213
GH16	189	EGZ29213	729	0.0000057	4	97	69	235	0.492063492	Phytophthora_sojae	Phytophthora	GH16_EGZ29213	Oomycete	Phso	Phso_EGZ29213	Phso_EGZ29213
GH16	189	EGZ29214	719	8.30E-09	122	189	428	551	0.354497355	Phytophthora_sojae	Phytophthora	GH16_EGZ29214	Oomycete	Phso	Phso_EGZ29214	Phso_EGZ29214
GH16	189	EGZ29214	719	0.0000004	4	92	48	207	0.465608466	Phytophthora_sojae	Phytophthora	GH16_EGZ29214	Oomycete	Phso	Phso_EGZ29214	Phso_EGZ29214
GH16	189	EGZ29219	761	1.20E-10	56	189	346	569	0.703703704	Phytophthora_sojae	Phytophthora	GH16_EGZ29219	Oomycete	Phso	Phso_EGZ29219	Phso_EGZ29219
GH16	189	EGZ29219	761	0.000000034	4	91	68	225	0.46031746	Phytophthora_sojae	Phytophthora	GH16_EGZ29219	Oomycete	Phso	Phso_EGZ29219	Phso_EGZ29219
GH16	189	EGZ29220	737	0.000000019	4	91	45	202	0.46031746	Phytophthora_sojae	Phytophthora	GH16_EGZ29220	Oomycete	Phso	Phso_EGZ29220	Phso_EGZ29220
GH16	189	EGZ29220	737	0.00000003	77	189	370	549	0.592592593	Phytophthora_sojae	Phytophthora	GH16_EGZ29220	Oomycete	Phso	Phso_EGZ29220	Phso_EGZ29220
GH16	189	EGZ29221	640	2.30E-09	122	189	303	436	0.354497355	Phytophthora_sojae	Phytophthora	GH16_EGZ29221	Oomycete	Phso	Phso_EGZ29221	Phso_EGZ29221
GH16	189	EGZ29223	692	3.70E-12	109	189	380	515	0.423280423	Phytophthora_sojae	Phytophthora	GH16_EGZ29223	Oomycete	Phso	Phso_EGZ29223	Phso_EGZ29223
GH16	189	EGZ29223	692	0.000000012	4	115	59	274	0.587301587	Phytophthora_sojae	Phytophthora	GH16_EGZ29223	Oomycete	Phso	Phso_EGZ29223	Phso_EGZ29223
GH16	189	EGZ29224	676	1.20E-10	110	189	368	541	0.417989418	Phytophthora_sojae	Phytophthora	GH16_EGZ29224	Oomycete	Phso	Phso_EGZ29224	Phso_EGZ29224
GH16	189	EGZ29224	676	0.000000034	3	116	65	262	0.597883598	Phytophthora_sojae	Phytophthora	GH16_EGZ29224	Oomycete	Phso	Phso_EGZ29224	Phso_EGZ29224
GH16	189	EGZ29225	726	1.60E-11	122	189	398	556	0.354497355	Phytophthora_sojae	Phytophthora	GH16_EGZ29225	Oomycete	Phso	Phso_EGZ29225	Phso_EGZ29225
GT22	389	EGZ29358	506	2.00E-80	4	360	12	402	0.915167095	Phytophthora_sojae	Phytophthora	GT22_EGZ29358	Oomycete	Phso	Phso_EGZ29358	Phso_EGZ29358
GH31	427	EGZ29380	1160	1.10E-127	2	427	381	916	0.995316159	Phytophthora_sojae	Phytophthora	GH31_EGZ29380	Oomycete	Phso	Phso_EGZ29380	Phso_EGZ29380
CE10	341	EGZ29384	717	1.00E-44	85	332	453	709	0.724340176	Phytophthora_sojae	Phytophthora	CE10_EGZ29384	Oomycete	Phso	Phso_EGZ29384	Phso_EGZ29384
GH28	325	EGZ29425	442	2.20E-60	6	317	127	442	0.956923077	Phytophthora_sojae	Phytophthora	GH28_EGZ29425	Oomycete	Phso	Phso_EGZ29425	Phso_EGZ29425_secreted
AA3	618	EGZ29515	585	3.30E-107	84	400	26	564	0.511326861	Phytophthora_sojae	Phytophthora	AA3_EGZ29515	Oomycete	Phso	Phso_EGZ29515	Phso_EGZ29515
AA7	458	EGZ29561	514	2.60E-30	46	189	27	183	0.312227074	Phytophthora_sojae	Phytophthora	AA7_EGZ29561	Oomycete	Phso	Phso_EGZ29561	Phso_EGZ29561_secreted
AA7	458	EGZ29562	507	2.00E-55	4	454	57	498	0.982532751	Phytophthora_sojae	Phytophthora	AA7_EGZ29562	Oomycete	Phso	Phso_EGZ29562	Phso_EGZ29562_secreted
AA7	458	EGZ29563	507	2.00E-55	4	454	57	498	0.982532751	Phytophthora_sojae	Phytophthora	AA7_EGZ29563	Oomycete	Phso	Phso_EGZ29563	Phso_EGZ29563_secreted
AA7	458	EGZ29568	286	1.20E-50	4	213	57	274	0.456331878	Phytophthora_sojae	Phytophthora	AA7_EGZ29568	Oomycete	Phso	Phso_EGZ29568	Phso_EGZ29568_secreted
AA7	458	EGZ29569	507	5.50E-55	4	454	57	498	0.982532751	Phytophthora_sojae	Phytophthora	AA7_EGZ29569	Oomycete	Phso	Phso_EGZ29569	Phso_EGZ29569_secreted
AA7	458	EGZ29570	507	5.50E-55	4	454	57	498	0.982532751	Phytophthora_sojae	Phytophthora	AA7_EGZ29570	Oomycete	Phso	Phso_EGZ29570	Phso_EGZ29570_secreted
AA7	458	EGZ29571	502	3.40E-58	5	454	54	493	0.980349345	Phytophthora_sojae	Phytophthora	AA7_EGZ29571	Oomycete	Phso	Phso_EGZ29571	Phso_EGZ29571_secreted
AA3	618	EGZ29611	591	1.70E-115	80	407	28	577	0.529126214	Phytophthora_sojae	Phytophthora	AA3_EGZ29611	Oomycete	Phso	Phso_EGZ29611	Phso_EGZ29611
AA3	618	EGZ29619	589	2.20E-104	83	402	27	570	0.51618123	Phytophthora_sojae	Phytophthora	AA3_EGZ29619	Oomycete	Phso	Phso_EGZ29619	Phso_EGZ29619
GH3	216	EGZ29627	583	7.20E-55	9	201	71	273	0.888888889	Phytophthora_sojae	Phytophthora	GH3_EGZ29627	Oomycete	Phso	Phso_EGZ29627	Phso_EGZ29627
CBM50	40	EGZ29909	1647	0.0000055	4	39	1494	1533	0.875	Phytophthora_sojae	Phytophthora	CBM50_EGZ29909	Oomycete	Phso	Phso_EGZ29909	Phso_EGZ29909
CBM9	182	EGZ29995	172	1.10E-23	1	101	29	136	0.549450555	Phytophthora_sojae	Phytophthora	CBM9_EGZ29995	Oomycete	Phso	Phso_EGZ29995	Phso_EGZ29995
AA4	522	EGZ30260	503	5.60E-22	21	191	47	217	0.325670498	Phytophthora_sojae	Phytophthora	AA4_EGZ30260	Oomycete	Phso	Phso_EGZ30260	Phso_EGZ30260
AA4	522	EGZ30261	504	2.30E-22	21	236	48	256	0.411877395	Phytophthora_sojae	Phytophthora	AA4_EGZ30261	Oomycete	Phso	Phso_EGZ30261	Phso_EGZ30261
GH47	446	EGZ30282	1116	3.30E-134	1	446	167	599	0.997757848	Phytophthora_sojae	Phytophthora	GH47_EGZ30282	Oomycete	Phso	Phso_EGZ30282	Phso_EGZ30282
GT71	264	EGZ30323	579	9.00E-52	2	264	195	425	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ30323	Oomycete	Phso	Phso_EGZ30323	Phso_EGZ30323
GT71	264	EGZ30327	637	2.20E-50	2	264	179	409	0.992424242	Phytophthora_sojae	Phytophthora	GT71_EGZ30327	Oomycete	Phso	Phso_EGZ30327	Phso_EGZ30327
GT20	475	EGZ30333	1134	4.80E-149	10	474	59	544	0.976842105	Phytophthora_sojae	Phytophthora	GT20_EGZ30333	Oomycete	Phso	Phso_EGZ30333	Phso_EGZ30333
PL4	567	EGZ30370	591	3.00E-95	4	561	42	573	0.982363316	Phytophthora_sojae	Phytophthora	PL4_EGZ30370	Oomycete	Phso	Phso_EGZ30370	Phso_EGZ30370_secreted
GH17	311	EGZ30381	450	2.00E-20	24	306	75	318	0.906752412	Phytophthora_sojae	Phytophthora	GH17_EGZ30381	Oomycete	Phso	Phso_EGZ30381	Phso_EGZ30381_secreted
PL4	567	EGZ30409	495	1.00E-87	3	526	21	487	0.922398589	Phytophthora_sojae	Phytophthora	PL4_EGZ30409	Oomycete	Phso	Phso_EGZ30409	Phso_EGZ30409_secreted
GT71	264	EGZ30421	370	7.20E-36	17	261	3	259	0.924242424	Phytophthora_sojae	Phytophthora	GT71_EGZ30421	Oomycete	Phso	Phso_EGZ30421	Phso_EGZ30421
PL1	202	EGZ30423	500	4.20E-33	16	162	117	274	0.722772277	Phytophthora_sojae	Phytophthora	PL1_EGZ30423	Oomycete	Phso	Phso_EGZ30423	Phso_EGZ30423_secreted
PL1	202	EGZ30432	458	6.00E-42	13	199	114	312	0.920792079	Phytophthora_sojae	Phytophthora	PL1_EGZ30432	Oomycete	Phso	Phso_EGZ30432	Phso_EGZ30432_secreted
GT71	264	EGZ30433	444	3.80E-45	2	257	59	325	0.965909091	Phytophthora_sojae	Phytophthora	GT71_EGZ30433	Oomycete	Phso	Phso_EGZ30433	Phso_EGZ30433_secreted
GT71	264	EGZ30434	497	1.20E-42	2	256	109	377	0.962121212	Phytophthora_sojae	Phytophthora	GT71_EGZ30434	Oomycete	Phso	Phso_EGZ30434	Phso_EGZ30434
GT71	264	EGZ30435	441	9.90E-34	4	257										

GT58	364	EGZ30480	574	5.20E-136	2	364	52	405	0.994505495	Phytophthora_sojae	Phytophthora	GT58_EGZ30480	Oomycete	Phso	Phso_EGZ30480	Phso_EGZ30480
CE10	341	EGZ30574	220	6.10E-33	124	335	19	208	0.618768328	Phytophthora_sojae	Phytophthora	CE10_EGZ30574	Oomycete	Phso	Phso_EGZ30574	Phso_EGZ30574
GT20	475	EGZ30718	1031	1.70E-106	14	474	11	564	0.968421053	Phytophthora_sojae	Phytophthora	GT20_EGZ30718	Oomycete	Phso	Phso_EGZ30718	Phso_EGZ30718_secreted
GT39	223	YAL023C	760	2.70E-76	2	223	71	309	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YAL023C	Fungi	Sce	Sce_YAL023C	Sce_YAL023C
GH74	233	YBL017C	1580	0.00000098	24	114	31	117	0.386266094	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YBL017C	Fungi	Sce	Sce_YBL017C	Sce_YBL017C
GH74	233	YBL017C	1580	0.00000037	25	114	739	877	0.381974249	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YBL017C	Fungi	Sce	Sce_YBL017C	Sce_YBL017C
GT58	364	YBL082C	459	2.70E-140	1	364	47	417	0.997252747	Saccharomyces_cerevisiae_S288C	Fungi	GT58_YBL082C	Fungi	Sce	Sce_YBL082C	Sce_YBL082C
GH37	491	YBR001C	781	3.00E-153	2	490	194	748	0.99389002	Saccharomyces_cerevisiae_S288C	Fungi	GH37_YBR001C	Fungi	Sce	Sce_YBR001C	Sce_YBR001C
GT76	407	YBR004C	434	2.90E-109	2	407	6	433	0.995085995	Saccharomyces_cerevisiae_S288C	Fungi	GT76_YBR004C	Fungi	Sce	Sce_YBR004C	Sce_YBR004C
GT71	264	YBR015C	598	1.80E-89	1	264	170	440	0.996212121	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YBR015C	Fungi	Sce	Sce_YBR015C	Sce_YBR015C
GT2	168	YBR023C	1166	4.70E-15	73	163	822	913	0.535714286	Saccharomyces_cerevisiae_S288C	Fungi	GT2_YBR023C	Fungi	Sce	Sce_YBR023C	Sce_YBR023C
AA6	195	YBR052C	211	1.20E-57	1	191	3	205	0.974358974	Saccharomyces_cerevisiae_S288C	Fungi	AA6_YBR052C	Fungi	Sce	Sce_YBR052C	Sce_YBR052C
GT33	425	YBR110W	450	6.80E-155	1	424	38	444	0.995294118	Saccharomyces_cerevisiae_S288C	Fungi	GT33_YBR110W	Fungi	Sce	Sce_YBR110W	Sce_YBR110W
GT20	475	YBR126C	496	1.40E-200	10	474	13	481	0.976842105	Saccharomyces_cerevisiae_S288C	Fungi	GT20_YBR126C	Fungi	Sce	Sce_YBR126C	Sce_YBR126C
GT32	90	YBR161W	377	5.00E-22	3	88	79	159	0.944444444	Saccharomyces_cerevisiae_S288C	Fungi	GT32_YBR161W	Fungi	Sce	Sce_YBR161W	Sce_YBR161W
GT15	273	YBR199W	465	4.20E-114	1	272	132	412	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YBR199W	Fungi	Sce	Sce_YBR199W	Sce_YBR199W
GT15	273	YBR205W	405	4.20E-128	1	272	85	355	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YBR205W	Fungi	Sce	Sce_YBR205W	Sce_YBR205W
GH31	427	YBR229C	955	7.10E-141	5	427	364	809	0.988290398	Saccharomyces_cerevisiae_S288C	Fungi	GH31_YBR229C	Fungi	Sce	Sce_YBR229C	Sce_YBR229C
GH13	299	YBR299W	585	2.90E-65	12	293	35	397	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YBR299W	Fungi	Sce	Sce_YBR299W	Sce_YBR299W
AA6	195	YCR004C	248	2.90E-87	1	195	3	199	0.994871795	Saccharomyces_cerevisiae_S288C	Fungi	AA6_YCR004C	Fungi	Sce	Sce_YCR004C	Sce_YCR004C
GH33	342	YCR100C	317	0.0000071	186	304	126	258	0.34502924	Saccharomyces_cerevisiae_S288C	Fungi	GH33_YCR100C	Fungi	Sce	Sce_YCR100C	Sce_YCR100C
GH74	233	YCR101C	183	0.0000023	36	113	44	117	0.330472103	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YCR101C	Fungi	Sce	Sce_YCR101C	Sce_YCR101C
GT39	223	YDL093W	744	2.50E-55	2	223	52	289	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YDL093W	Fungi	Sce	Sce_YDL093W	Sce_YDL093W
GT39	223	YDL095W	818	1.30E-66	2	223	56	293	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YDL095W	Fungi	Sce	Sce_YDL095W	Sce_YDL095W
AA4	522	YDL174C	588	2.90E-21	13	248	106	339	0.450191571	Saccharomyces_cerevisiae_S288C	Fungi	AA4_YDL174C	Fungi	Sce	Sce_YDL174C	Sce_YDL174C
AA4	522	YDL178W	531	4.30E-21	18	257	66	298	0.457854406	Saccharomyces_cerevisiae_S288C	Fungi	AA4_YDL178W	Fungi	Sce	Sce_YDL178W	Sce_YDL178W
GH37	491	YDR001C	752	2.20E-156	2	490	165	719	0.99389002	Saccharomyces_cerevisiae_S288C	Fungi	GH37_YDR001C	Fungi	Sce	Sce_YDR001C	Sce_YDR001C
AA6	195	YDR032C	199	1.90E-86	1	195	3	197	0.994871795	Saccharomyces_cerevisiae_S288C	Fungi	AA6_YDR032C	Fungi	Sce	Sce_YDR032C	Sce_YDR032C
GT20	475	YDR074W	897	6.60E-153	6	474	7	540	0.985263158	Saccharomyces_cerevisiae_S288C	Fungi	GT20_YDR074W	Fungi	Sce	Sce_YDR074W	Sce_YDR074W
GT34	246	YDR245W	394	7.20E-90	2	245	120	370	0.987804878	Saccharomyces_cerevisiae_S288C	Fungi	GT34_YDR245W	Fungi	Sce	Sce_YDR245W	Sce_YDR245W
GH5	275	YDR261C	563	7.50E-42	29	275	116	460	0.894545455	Saccharomyces_cerevisiae_S288C	Fungi	GH5_YDR261C	Fungi	Sce	Sce_YDR261C	Sce_YDR261C
GT39	223	YDR307W	663	3.20E-17	34	220	74	257	0.834080718	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YDR307W	Fungi	Sce	Sce_YDR307W	Sce_YDR307W
GH18	296	YDR371W	512	2.80E-70	6	289	76	461	0.956081081	Saccharomyces_cerevisiae_S288C	Fungi	GH18_YDR371W	Fungi	Sce	Sce_YDR371W	Sce_YDR371W
CE10	341	YDR428C	262	2.60E-10	94	208	28	157	0.33431085	Saccharomyces_cerevisiae_S288C	Fungi	CE10_YDR428C	Fungi	Sce	Sce_YDR428C	Sce_YDR428C
GT15	273	YDR483W	443	1.60E-129	2	272	121	389	0.989010989	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YDR483W	Fungi	Sce	Sce_YDR483W	Sce_YDR483W
CBM48	76	YEL011W	705	0.00000053	3	48	62	120	0.592105263	Saccharomyces_cerevisiae_S288C	Fungi	CBM48_YEL011W	Fungi	Sce	Sce_YEL011W	Sce_YEL011W
GH13	299	YEL011W	705	1.50E-26	16	259	214	519	0.81270903	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YEL011W	Fungi	Sce	Sce_YEL011W	Sce_YEL011W
GT62	268	YEL036C	501	3.50E-126	3	268	60	323	0.98880597	Saccharomyces_cerevisiae_S288C	Fungi	GT62_YEL036C	Fungi	Sce	Sce_YEL036C	Sce_YEL036C
CBM18	38	YEL040W	468	0.000017	8	35	30	57	0.710526316	Saccharomyces_cerevisiae_S288C	Fungi	CBM18_YEL040W	Fungi	Sce	Sce_YEL040W	Sce_YEL040W
GH16	189	YEL040W	468	3.30E-22	35	176	113	270	0.746031746	Saccharomyces_cerevisiae_S288C	Fungi	GH16_YEL040W	Fungi	Sce	Sce_YEL040W	Sce_YEL040W
AA4	522	YEL071W	497	1.40E-22	18	202	32	215	0.352490422	Saccharomyces_cerevisiae_S288C	Fungi	AA4_YEL071W	Fungi	Sce	Sce_YEL071W	Sce_YEL071W
GT71	264	YER001W	763	1.50E-65	1	263	317	612	0.992424242	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YER001W	Fungi	Sce	Sce_YER001W	Sce_YER001W
CBM21	107	YER054C	549	8.30E-31	16	107	436	533	0.85046729	Saccharomyces_cerevisiae_S288C	Fungi	CBM21_YER054C	Fungi	Sce	Sce_YER054C	Sce_YER054C
GT3	637	YFR015C	709	3.50E-299	1	637	12	676	0.998430141	Saccharomyces_cerevisiae_S288C	Fungi	GT3_YFR015C	Fungi	Sce	Sce_YFR015C	Sce_YFR015C
GT66	693	YGL022W	719	5.90E-181	5	597	13	637	0.854256854	Saccharomyces_cerevisiae_S288C	Fungi	GT66_YGL022W	Fungi	Sce	Sce_YGL022W	Sce_YGL022W
GH63	570	YGL027C	834	4.90E-38	318	564	612	829	0.431578947	Saccharomyces_cerevisiae_S288C	Fungi	GH63_YGL027C	Fungi	Sce	Sce_YGL027C	Sce_YGL027C
GH17	311	YGL028C	543	3.40E-21	16	299	302	538	0.909967846	Saccharomyces_cerevisiae_S288C	Fungi	GH17_YGL028C	Fungi	Sce	Sce_YGL028C	Sce_YGL028C
GT32	90	YGL038C	481	4.90E-20	4	89	118	202	0.944444444	Saccharomyces_cerevisiae_S288C	Fungi	GT32_YGL038C	Fungi	Sce	Sce_YGL038C	Sce_YGL038C
GT28	157	YGL047W	203	2.50E-09	29	119	41	163	0.573248408	Saccharomyces_cerevisiae_S288C	Fungi	GT28_YGL047W	Fungi	Sce	Sce_YGL047W	Sce_YGL047W
GT4	160	YGL065C	504	1.60E-49	1	159	209	409	0.9875	Saccharomyces_cerevisiae_S288C	Fungi	GT4_YGL065C	Fungi	Sce	Sce_YGL065C	Sce_YGL065C
GT22	389	YGL142C	617	7.30E-108	1	389	17	484	0.997429306	Saccharomyces_cerevisiae_S288C	Fungi	GT22_YGL142C	Fungi	Sce	Sce_YGL142C	Sce_YGL142C
GH38	269	YGL156W	1084	1.80E-81	1	256	290	553	0.94795539	Saccharomyces_cerevisiae_S288C	Fungi	GH38_YGL156W	Fungi	Sce	Sce_YGL156W	Sce_YGL156W
CBM32	124	YGL240W	251	0.00038	16	56	98	144	0.322580645	Saccharomyces_cerevisiae_S288C	Fungi	CBM32_YGL240W	Fungi	Sce	Sce_YGL240W	Sce_YGL240W
GT71	264	YGL257C	559	4.30E-64	2	264	175	450	0.992424242	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YGL257C	Fungi	Sce	Sce_YGL257C	Sce_YGL257C
GT48	739	YGR032W	1896	0	1	734	827	1611	0.99188092	Saccharomyces_cerevisiae_S288C	Fungi	GT48_YGR032W	Fungi	Sce	Sce_YGR032W	Sce_YGR032W
GH16	189	YGR189C	508	9.60E-28	35	186	82	252	0.798941799	Saccharomyces_cerevisiae_S288C	Fungi	GH16_YGR189C	Fungi	Sce	Sce_YGR189C	Sce_YGR189C
GT39	223	YGR199W	760	1.50E-71	2	223	72	310	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YGR199W	Fungi	Sce	Sce_YGR199W	Sce_YGR199W
GT59	404	YGR227W	526	3.50E-125	2	404	65	458	0.995049505	Saccharomyces_cerevisiae_S288C	Fungi	GT59_YGR227W	Fungi	Sce	Sce_YGR227W	Sce_YGR227W
CE10	341	YGR263C	425	1.90E-17	93	294	148	375	0.589442815	Saccharomyces_cerevisiae_S288C	Fungi	CE10_YGR263C	Fungi	Sce	Sce_YGR263C	Sce_YGR263C
GH17	311	YGR279C	387	5.20E-30	11	300	145	384	0.92926045	Saccharomyces_cerevisiae_S288C	Fungi	GH17_YGR279C	Fungi	Sce	Sce_YGR279C	Sce_YGR279C
GH17	311	YGR282C	314	5.30E-49	2	311	28	310	0.993569132	Saccharomyces_cerevisiae_S288C	Fungi	GH17_YGR282C	Fungi	Sce	Sce_YGR282C	Sce_YGR282C
GH13	299	YGR287C	590	1.60E-63	12	293	36	400	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YGR287C	Fungi	Sce	Sce_YGR287C	Sce_YGR287C
GH13	299	YGR292W	585	3.00E-65	12	293	35	397	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YGR292W	Fungi	Sce	Sce_YGR292W	Sce_YGR292W
CE1	227	YHR028C	819	2.30E-11	13	214	576	796	0.885462555	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YHR028C	Fungi	Sce	Sce_YHR028C	Sce_YHR028C
GH47	446	YHR204W	797	4.50E-126	2	445	43	501	0.993273543	Saccharomyces_cerevisiae_S288C	Fungi	GH47_YHR204W	Fungi	Sce	Sce_YHR204W	Sce_YHR204W
GT71	264	YIL014W	631	4.80E-74	1	264	234	514	0.996212121	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YIL014W	Fungi	Sce	Sce_YIL014W	Sce_YIL014W
CBM21	107	YIL045W	539	1.20E-30	3	107	390	507	0.971962617	Saccharomyces_cerevisiae_S288C	Fungi	CBM21_YIL045W	Fungi	Sce	Sce_YIL045W	Sce_YIL045W
GT15	273	YIL085C	518	7.30E-122	1	272	87	427	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YIL085C	Fungi	Sce	Sce_YIL085C	Sce_YIL085C
GH15	361	YIL099W	550	1.70E-81	17	356	108	535	0.939058172	Saccharomyces_cerevisiae_S288C	Fungi	GH15_YIL099W	Fungi	Sce	Sce_YIL099W	Sce_YIL099W
GH132	303	YIL123W	477	5.60E-133	8	303	176	475	0.97359736	Saccharomyces_cerevisiae_S288C	Fungi	GH132_YIL123W	Fungi	Sce	Sce_YIL123W	Sce_YIL123W
GH32	293	YIL162W	533	5.10E-93	1	285	32	337	0.969283277	Saccharomyces_cerevisiae_S288C	Fungi	GH32_YIL162W	Fungi	Sce	Sce_YIL162W	Sce_YIL162W

GH13	299	YIL172C	590	1.10E-63	12	293	36	400	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YIL172C	Fungi	Sce	Sce_YIL172C	Sce_YIL172C
GH74	233	YIL173W	1550	0.0000095	36	111	43	114	0.321888412	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YIL173W	Fungi	Sce	Sce_YIL173W	Sce_YIL173W
GH5	275	YIR007W	765	4.00E-30	2	236	13	564	0.850909091	Saccharomyces_cerevisiae_S288C	Fungi	GH5_YIR007W	Fungi	Sce	Sce_YIR007W	Sce_YIR007W
CE1	227	YJL068C	300	6.60E-42	1	224	21	293	0.982378855	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YJL068C	Fungi	Sce	Sce_YJL068C	Sce_YJL068C
GH132	303	YJL116C	338	2.70E-129	12	303	49	337	0.96039604	Saccharomyces_cerevisiae_S288C	Fungi	GH132_YJL116C	Fungi	Sce	Sce_YJL116C	Sce_YJL116C
GT8	257	YJL137C	381	5.20E-39	29	256	5	260	0.883268483	Saccharomyces_cerevisiae_S288C	Fungi	GT8_YJL137C	Fungi	Sce	Sce_YJL137C	Sce_YJL137C
GT15	273	YJL139C	429	5.70E-120	1	273	90	374	0.996336996	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YJL139C	Fungi	Sce	Sce_YJL139C	Sce_YJL139C
GT8	257	YJL146W	470	1.40E-11	37	255	195	440	0.848249027	Saccharomyces_cerevisiae_S288C	Fungi	GT8_YJL146W	Fungi	Sce	Sce_YJL146W	Sce_YJL146W
GH16	189	YJL171C	397	0.0000076	50	123	167	293	0.386243386	Saccharomyces_cerevisiae_S288C	Fungi	GH16_YJL171C	Fungi	Sce	Sce_YJL171C	Sce_YJL171C
GT34	246	YJL183W	423	4.80E-66	2	245	158	410	0.987804878	Saccharomyces_cerevisiae_S288C	Fungi	GT34_YJL183W	Fungi	Sce	Sce_YJL183W	Sce_YJL183W
GT71	264	YJL186W	587	8.80E-85	2	264	150	433	0.992424242	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YJL186W	Fungi	Sce	Sce_YJL186W	Sce_YJL186W
GH13	299	YJL216C	582	1.70E-72	12	295	31	397	0.946488294	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YJL216C	Fungi	Sce	Sce_YJL216C	Sce_YJL216C
GH13	299	YJL221C	590	1.10E-63	12	293	36	400	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YJL221C	Fungi	Sce	Sce_YJL221C	Sce_YJL221C
GH74	233	YJL222W	1550	0.0000095	36	111	43	114	0.321888412	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YJL222W	Fungi	Sce	Sce_YJL222W	Sce_YJL222W
GT50	262	YJR013W	404	7.90E-96	1	262	127	386	0.996183206	Saccharomyces_cerevisiae_S288C	Fungi	GT50_YJR013W	Fungi	Sce	Sce_YJR013W	Sce_YJR013W
GT32	90	YJR075W	397	5.00E-20	2	89	146	231	0.966666667	Saccharomyces_cerevisiae_S288C	Fungi	GT32_YJR075W	Fungi	Sce	Sce_YJR075W	Sce_YJR075W
GH47	446	YJR131W	550	9.00E-149	1	446	45	532	0.997757848	Saccharomyces_cerevisiae_S288C	Fungi	GH47_YJR131W	Fungi	Sce	Sce_YJR131W	Sce_YJR131W
GT39	223	YJR143C	763	5.80E-71	2	223	59	301	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YJR143C	Fungi	Sce	Sce_YJR143C	Sce_YJR143C
GH28	325	YJR153W	362	1.80E-68	5	308	40	346	0.932307692	Saccharomyces_cerevisiae_S288C	Fungi	GH28_YJR153W	Fungi	Sce	Sce_YJR153W	Sce_YJR153W
GH76	358	YKL046C	450	6.60E-114	9	356	27	395	0.969273743	Saccharomyces_cerevisiae_S288C	Fungi	GH76_YKL046C	Fungi	Sce	Sce_YKL046C	Sce_YKL046C
GH132	303	YKR042W	366	2.30E-131	7	303	72	365	0.97689769	Saccharomyces_cerevisiae_S288C	Fungi	GH132_YKR042W	Fungi	Sce	Sce_YKR042W	Sce_YKR042W
GT8	257	YKR058W	617	1.30E-39	30	255	6	257	0.875486381	Saccharomyces_cerevisiae_S288C	Fungi	GT8_YKR058W	Fungi	Sce	Sce_YKR058W	Sce_YKR058W
GT15	273	YKR061W	426	1.20E-118	1	272	90	373	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YKR061W	Fungi	Sce	Sce_YKR061W	Sce_YKR061W
AA2	255	YKR066C	362	2.30E-55	23	253	111	340	0.901960784	Saccharomyces_cerevisiae_S288C	Fungi	AA2_YKR066C	Fungi	Sce	Sce_YKR066C	Sce_YKR066C
GH47	446	YLR057W	850	5.70E-99	13	445	175	847	0.968609866	Saccharomyces_cerevisiae_S288C	Fungi	GH47_YLR057W	Fungi	Sce	Sce_YLR057W	Sce_YLR057W
CE1	227	YLR099C	395	0.000000025	79	209	155	376	0.572687225	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YLR099C	Fungi	Sce	Sce_YLR099C	Sce_YLR099C
CE1	227	YLR118C	228	9.90E-12	26	175	14	176	0.656387665	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YLR118C	Fungi	Sce	Sce_YLR118C	Sce_YLR118C
GH81	622	YLR144C	780	2.60E-224	3	622	94	774	0.995176849	Saccharomyces_cerevisiae_S288C	Fungi	GH81_YLR144C	Fungi	Sce	Sce_YLR144C	Sce_YLR144C
GT1	382	YLR189C	1199	1.10E-52	17	377	756	1155	0.942408377	Saccharomyces_cerevisiae_S288C	Fungi	GT1_YLR189C	Fungi	Sce	Sce_YLR189C	Sce_YLR189C
GH16	189	YLR213C	423	6.90E-27	28	185	158	330	0.830687831	Saccharomyces_cerevisiae_S288C	Fungi	GH16_YLR213C	Fungi	Sce	Sce_YLR213C	Sce_YLR213C
GT3	637	YLR258W	706	1.50E-296	1	637	12	677	0.998430141	Saccharomyces_cerevisiae_S288C	Fungi	GT3_YLR258W	Fungi	Sce	Sce_YLR258W	Sce_YLR258W
CBM21	107	YLR273C	649	3.10E-26	4	107	208	330	0.962616822	Saccharomyces_cerevisiae_S288C	Fungi	CBM21_YLR273C	Fungi	Sce	Sce_YLR273C	Sce_YLR273C
CBM19	45	YLR286C	563	3.50E-21	5	44	501	540	0.866666667	Saccharomyces_cerevisiae_S288C	Fungi	CBM19_YLR286C	Fungi	Sce	Sce_YLR286C	Sce_YLR286C
GH18	296	YLR286C	563	1.70E-30	3	200	27	253	0.665540541	Saccharomyces_cerevisiae_S288C	Fungi	GH18_YLR286C	Fungi	Sce	Sce_YLR286C	Sce_YLR286C
GH5	275	YLR300W	449	3.40E-59	27	274	107	415	0.898181818	Saccharomyces_cerevisiae_S288C	Fungi	GH5_YLR300W	Fungi	Sce	Sce_YLR300W	Sce_YLR300W
CE4	130	YLR307W	302	1.20E-23	14	124	113	221	0.846153846	Saccharomyces_cerevisiae_S288C	Fungi	CE4_YLR307W	Fungi	Sce	Sce_YLR307W	Sce_YLR307W
CE4	130	YLR308W	313	7.40E-25	13	125	122	232	0.861538462	Saccharomyces_cerevisiae_S288C	Fungi	CE4_YLR308W	Fungi	Sce	Sce_YLR308W	Sce_YLR308W
GT48	739	YLR342W	1877	0	1	733	808	1591	0.99052774	Saccharomyces_cerevisiae_S288C	Fungi	GT48_YLR342W	Fungi	Sce	Sce_YLR342W	Sce_YLR342W
CBM43	83	YLR343W	556	0.000000071	8	69	406	471	0.734939759	Saccharomyces_cerevisiae_S288C	Fungi	CBM43_YLR343W	Fungi	Sce	Sce_YLR343W	Sce_YLR343W
GH72	312	YLR343W	556	3.50E-134	3	311	31	342	0.987179487	Saccharomyces_cerevisiae_S288C	Fungi	GH72_YLR343W	Fungi	Sce	Sce_YLR343W	Sce_YLR343W
AA7	458	YML086C	527	3.90E-14	6	181	14	192	0.38209607	Saccharomyces_cerevisiae_S288C	Fungi	AA7_YML086C	Fungi	Sce	Sce_YML086C	Sce_YML086C
GT20	475	YML100W	1099	1.10E-150	38	474	354	798	0.917894737	Saccharomyces_cerevisiae_S288C	Fungi	GT20_YML100W	Fungi	Sce	Sce_YML100W	Sce_YML100W
GT62	268	YML115C	536	1.80E-128	3	268	170	480	0.98880597	Saccharomyces_cerevisiae_S288C	Fungi	GT62_YML115C	Fungi	Sce	Sce_YML115C	Sce_YML115C
AA1	943	YMR058W	637	1.60E-89	450	784	37	380	0.354188759	Saccharomyces_cerevisiae_S288C	Fungi	AA1_YMR058W	Fungi	Sce	Sce_YMR058W	Sce_YMR058W
GH63	570	YMR196W	1089	3.00E-18	350	562	471	937	0.371929825	Saccharomyces_cerevisiae_S288C	Fungi	GH63_YMR196W	Fungi	Sce	Sce_YMR196W	Sce_YMR196W
GH72	312	YMR215W	525	1.00E-121	3	311	20	350	0.987179487	Saccharomyces_cerevisiae_S288C	Fungi	GH72_YMR215W	Fungi	Sce	Sce_YMR215W	Sce_YMR215W
GH76	358	YMR238W	459	5.70E-112	6	355	29	401	0.974860335	Saccharomyces_cerevisiae_S288C	Fungi	GH76_YMR238W	Fungi	Sce	Sce_YMR238W	Sce_YMR238W
GH132	303	YMR244W	356	4.90E-94	32	299	31	312	0.881188119	Saccharomyces_cerevisiae_S288C	Fungi	GH132_YMR244W	Fungi	Sce	Sce_YMR244W	Sce_YMR244W
GT20	475	YMR261C	1055	1.50E-152	20	474	310	764	0.955789474	Saccharomyces_cerevisiae_S288C	Fungi	GT20_YMR261C	Fungi	Sce	Sce_YMR261C	Sce_YMR261C
CE14	124	YMR281W	305	0.00000068	3	122	60	173	0.959677419	Saccharomyces_cerevisiae_S288C	Fungi	CE14_YMR281W	Fungi	Sce	Sce_YMR281W	Sce_YMR281W
GH17	311	YMR305C	390	9.60E-33	2	302	138	389	0.964630225	Saccharomyces_cerevisiae_S288C	Fungi	GH17_YMR305C	Fungi	Sce	Sce_YMR305C	Sce_YMR305C
GT48	739	YMR306W	1786	0	1	735	694	1506	0.9932341	Saccharomyces_cerevisiae_S288C	Fungi	GT48_YMR306W	Fungi	Sce	Sce_YMR306W	Sce_YMR306W
CBM43	83	YMR307W	560	3.70E-23	1	82	378	462	0.975903615	Saccharomyces_cerevisiae_S288C	Fungi	CBM43_YMR307W	Fungi	Sce	Sce_YMR307W	Sce_YMR307W
GH72	312	YMR307W	560	1.00E-140	3	312	23	329	0.990384615	Saccharomyces_cerevisiae_S288C	Fungi	GH72_YMR307W	Fungi	Sce	Sce_YMR307W	Sce_YMR307W
GH109	126	YMR315W	350	0.0000013	2	121	5	119	0.944444444	Saccharomyces_cerevisiae_S288C	Fungi	GH109_YMR315W	Fungi	Sce	Sce_YMR315W	Sce_YMR315W
GT15	273	YNL029C	523	2.70E-121	1	272	84	423	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YNL029C	Fungi	Sce	Sce_YNL029C	Sce_YNL029C
GT4	160	YNL048W	549	1.40E-22	10	152	307	463	0.8875	Saccharomyces_cerevisiae_S288C	Fungi	GT4_YNL048W	Fungi	Sce	Sce_YNL048W	Sce_YNL048W
GH132	303	YNL066W	421	2.50E-127	14	303	121	419	0.95379538	Saccharomyces_cerevisiae_S288C	Fungi	GH132_YNL066W	Fungi	Sce	Sce_YNL066W	Sce_YNL066W
GT2	168	YNL192W	1132	8.00E-10	3	165	451	686	0.964285714	Saccharomyces_cerevisiae_S288C	Fungi	GT2_YNL192W	Fungi	Sce	Sce_YNL192W	Sce_YNL192W
GT22	389	YNL219C	556	7.20E-94	2	389	11	414	0.994858612	Saccharomyces_cerevisiae_S288C	Fungi	GT22_YNL219C	Fungi	Sce	Sce_YNL219C	Sce_YNL219C
GT22	389	YNR030W	552	2.50E-84	5	365	9	409	0.925449872	Saccharomyces_cerevisiae_S288C	Fungi	GT22_YNR030W	Fungi	Sce	Sce_YNR030W	Sce_YNR030W
GT71	264	YNR059W	581	1.60E-65	2	264	198	472	0.992424242	Saccharomyces_cerevisiae_S288C	Fungi	GT71_YNR059W	Fungi	Sce	Sce_YNR059W	Sce_YNR059W
GH74	233	YNR066C	437	0.0000021	39	111	46	114	0.309012876	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YNR066C	Fungi	Sce	Sce_YNR066C	Sce_YNR066C
GH74	233	YNR066C	437	0.0000063	48	130	99	260	0.351931331	Saccharomyces_cerevisiae_S288C	Fungi	GH74_YNR066C	Fungi	Sce	Sce_YNR066C	Sce_YNR066C
GH81	622	YNR067C	1118	4.40E-220	6	622	420	1108	0.990353698	Saccharomyces_cerevisiae_S288C	Fungi	GH81_YNR067C	Fungi	Sce	Sce_YNR067C	Sce_YNR067C
GH72	312	YOL030W	485	1.10E-135	3	312	25	330	0.990384615	Saccharomyces_cerevisiae_S288C	Fungi	GH72_YOL030W	Fungi	Sce	Sce_YOL030W	Sce_YOL030W
GH72	312	YOL132W	472	1.00E-129	3	312	21	334	0.990384615	Saccharomyces_cerevisiae_S288C	Fungi	GH72_YOL132W	Fungi	Sce	Sce_YOL132W	Sce_YOL132W
GH13	299	YOL157C	590	8.00E-64	12	293	36	400	0.939799331	Saccharomyces_cerevisiae_S288C	Fungi	GH13_YOL157C	Fungi	Sce	Sce_YOL157C	Sce_YOL157C
GT57	481	YOR002W	545	4.30E-160	2	480	47	529	0.993762994	Saccharomyces_cerevisiae_S288C	Fungi	GT57_YOR002W	Fungi	Sce	Sce_YOR002W	Sce_YOR002W
GT57	481	YOR067C	578	1.50E-176	3	480	52	565	0.991683992	Saccharomyces_cerevisiae_S288C	Fungi	GT57_YOR067C	Fungi	Sce	Sce_YOR067C	Sce_YOR067C
CE1	227	YOR084W	388	0.0000011	8	143	33	195	0.594713656	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YOR084W	Fungi	Sce	Sce_YOR084W	Sce_YOR084W

GT15	273	YOR099W	394	1.20E-133	1	272	70	340	0.992673993	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YOR099W	Fungi	Sce	Sce_YOR099W	Sce_YOR099W
CE12	210	YOR126C	239	1.70E-09	3	159	7	175	0.742857143	Saccharomyces_cerevisiae_S288C	Fungi	CE12_YOR126C	Fungi	Sce	Sce_YOR126C	Sce_YOR126C
GT22	389	YOR149C	517	2.40E-73	2	388	8	400	0.992287918	Saccharomyces_cerevisiae_S288C	Fungi	GT22_YOR149C	Fungi	Sce	Sce_YOR149C	Sce_YOR149C
CBM21	107	YOR178C	794	8.40E-31	3	106	241	358	0.962616822	Saccharomyces_cerevisiae_S288C	Fungi	CBM21_YOR178C	Fungi	Sce	Sce_YOR178C	Sce_YOR178C
GH5	275	YOR190W	446	5.50E-56	27	274	106	416	0.898181818	Saccharomyces_cerevisiae_S288C	Fungi	GH5_YOR190W	Fungi	Sce	Sce_YOR190W	Sce_YOR190W
CE1	227	YOR219C	932	5.00E-15	10	213	679	902	0.894273128	Saccharomyces_cerevisiae_S288C	Fungi	CE1_YOR219C	Fungi	Sce	Sce_YOR219C	Sce_YOR219C
GT8	257	YOR320C	492	2.10E-22	22	255	85	447	0.906614786	Saccharomyces_cerevisiae_S288C	Fungi	GT8_YOR320C	Fungi	Sce	Sce_YOR320C	Sce_YOR320C
GT39	223	YOR321W	754	2.60E-74	2	223	64	302	0.99103139	Saccharomyces_cerevisiae_S288C	Fungi	GT39_YOR321W	Fungi	Sce	Sce_YOR321W	Sce_YOR321W
GT24	248	YOR336W	1366	2.60E-70	1	226	1095	1325	0.907258065	Saccharomyces_cerevisiae_S288C	Fungi	GT24_YOR336W	Fungi	Sce	Sce_YOR336W	Sce_YOR336W
GT62	268	YPL050C	396	4.00E-108	3	268	94	358	0.98880597	Saccharomyces_cerevisiae_S288C	Fungi	GT62_YPL050C	Fungi	Sce	Sce_YPL050C	Sce_YPL050C
GT15	273	YPL053C	447	4.40E-99	3	272	118	394	0.985347985	Saccharomyces_cerevisiae_S288C	Fungi	GT15_YPL053C	Fungi	Sce	Sce_YPL053C	Sce_YPL053C
GT32	90	YLO57C	383	3.30E-23	2	87	71	151	0.944444444	Saccharomyces_cerevisiae_S288C	Fungi	GT32_YPL057C	Fungi	Sce	Sce_YPL057C	Sce_YPL057C
GT4	160	YPL175W	453	8.50E-36	2	150	195	342	0.925	Saccharomyces_cerevisiae_S288C	Fungi	GT4_YPL175W	Fungi	Sce	Sce_YPL175W	Sce_YPL175W
GT2	168	YPL227C	335	6.30E-33	1	137	76	232	0.80952381	Saccharomyces_cerevisiae_S288C	Fungi	GT2_YPL227C	Fungi	Sce	Sce_YPL227C	Sce_YPL227C
GH65	372	YPR026W	1212	5.90E-91	1	370	474	831	0.991935484	Saccharomyces_cerevisiae_S288C	Fungi	GH65_YPR026W	Fungi	Sce	Sce_YPR026W	Sce_YPR026W
GT35	674	YPR160W	903	6.80E-272	1	674	164	899	0.998516321	Saccharomyces_cerevisiae_S288C	Fungi	GT35_YPR160W	Fungi	Sce	Sce_YPR160W	Sce_YPR160W
GT2	168	YPR183W	268	4.00E-26	1	156	6	160	0.922619048	Saccharomyces_cerevisiae_S288C	Fungi	GT2_YPR183W	Fungi	Sce	Sce_YPR183W	Sce_YPR183W
GH133	372	YPR184W	1537	1.30E-159	6	372	1061	1523	0.983870968	Saccharomyces_cerevisiae_S288C	Fungi	GH133_YPR184W	Fungi	Sce	Sce_YPR184W	Sce_YPR184W
GT32	90	ACI64073	250	1.70E-22	8	88	24	99	0.888888889	Thalassiosira_pseudonana	Diatom	GT32_ACI64073	Diatom	Thaps	Thaps_ACI64073	Thaps_ACI64073
GT32	90	ACI64105	401	3.10E-11	6	82	183	255	0.844444444	Thalassiosira_pseudonana	Diatom	GT32_ACI64105	Diatom	Thaps	Thaps_ACI64105	Thaps_ACI64105
GT32	90	ACI64119	378	4.10E-16	5	82	161	234	0.855555556	Thalassiosira_pseudonana	Diatom	GT32_ACI64119	Diatom	Thaps	Thaps_ACI64119	Thaps_ACI64119
GH55	740	ACI64129	790	1.30E-37	384	712	467	758	0.443243243	Thalassiosira_pseudonana	Diatom	GH55_ACI64129	Diatom	Thaps	Thaps_ACI64129	Thaps_ACI64129
CBM18	38	ACI64141	862	0.000000042	2	35	578	613	0.868421053	Thalassiosira_pseudonana	Diatom	CBM18_ACI64141	Diatom	Thaps	Thaps_ACI64141	Thaps_ACI64141
CBM18	38	ACI64141	862	0.00000042	6	31	683	708	0.657894737	Thalassiosira_pseudonana	Diatom	CBM18_ACI64141	Diatom	Thaps	Thaps_ACI64141	Thaps_ACI64141
CBM18	38	ACI64141	862	0.00000079	2	32	635	667	0.789473684	Thalassiosira_pseudonana	Diatom	CBM18_ACI64141	Diatom	Thaps	Thaps_ACI64141	Thaps_ACI64141
CE10	341	ACI64149	236	8.10E-25	97	286	3	232	0.554252199	Thalassiosira_pseudonana	Diatom	CE10_ACI64149	Diatom	Thaps	Thaps_ACI64149	Thaps_ACI64149
GT10	347	ACI64153	802	8.70E-29	139	305	568	764	0.478386167	Thalassiosira_pseudonana	Diatom	GT10_ACI64153	Diatom	Thaps	Thaps_ACI64153	Thaps_ACI64153
CBM18	38	ACI64154	918	7.10E-09	2	35	582	617	0.868421053	Thalassiosira_pseudonana	Diatom	CBM18_ACI64154	Diatom	Thaps	Thaps_ACI64154	Thaps_ACI64154
CBM18	38	ACI64154	918	0.000000073	2	31	640	671	0.763157895	Thalassiosira_pseudonana	Diatom	CBM18_ACI64154	Diatom	Thaps	Thaps_ACI64154	Thaps_ACI64154
CBM18	38	ACI64154	918	0.0000001	5	31	698	724	0.684210526	Thalassiosira_pseudonana	Diatom	CBM18_ACI64154	Diatom	Thaps	Thaps_ACI64154	Thaps_ACI64154
GT31	192	ACI64226	414	0.000000088	63	142	186	253	0.411458333	Thalassiosira_pseudonana	Diatom	GT31_ACI64226	Diatom	Thaps	Thaps_ACI64226	Thaps_ACI64226
GT15	273	ACI64260	448	4.10E-60	2	272	108	381	0.989010989	Thalassiosira_pseudonana	Diatom	GT15_ACI64260	Diatom	Thaps	Thaps_ACI64260	Thaps_ACI64260
CBM14	54	ACI64355	669	0.0000011	1	54	76	129	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_ACI64355	Diatom	Thaps	Thaps_ACI64355	Thaps_ACI64355
CBM14	54	ACI64384	1349	3.40E-10	1	54	148	210	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_ACI64384	Diatom	Thaps	Thaps_ACI64384	Thaps_ACI64384
GH18	296	ACI64384	1349	2.00E-45	2	286	304	721	0.95945946	Thalassiosira_pseudonana	Diatom	GH18_ACI64384	Diatom	Thaps	Thaps_ACI64384	Thaps_ACI64384
GT31	192	ACI64399	835	3.70E-09	50	116	622	693	0.34375	Thalassiosira_pseudonana	Diatom	GT31_ACI64399	Diatom	Thaps	Thaps_ACI64399	Thaps_ACI64399
GH16	189	ACI64469	243	2.10E-52	2	189	4	242	0.989417989	Thalassiosira_pseudonana	Diatom	GH16_ACI64469	Diatom	Thaps	Thaps_ACI64469	Thaps_ACI64469
CBM73	54	ACI64482	676	0.00000043	6	53	19	64	0.87037037	Thalassiosira_pseudonana	Diatom	CBM73_ACI64482	Diatom	Thaps	Thaps_ACI64482	Thaps_ACI64482
CBM73	54	ACI64504	919	0.00000073	4	52	639	691	0.888888889	Thalassiosira_pseudonana	Diatom	CBM73_ACI64504	Diatom	Thaps	Thaps_ACI64504	Thaps_ACI64504
GH19	231	ACI64550	144	4.10E-33	57	199	2	144	0.614718615	Thalassiosira_pseudonana	Diatom	GH19_ACI64550	Diatom	Thaps	Thaps_ACI64550	Thaps_ACI64550
GT28	157	ACI64582	406	1.20E-26	1	157	223	391	0.993630573	Thalassiosira_pseudonana	Diatom	GT28_ACI64582	Diatom	Thaps	Thaps_ACI64582	Thaps_ACI64582
AA2	255	ACI64585	653	6.20E-14	18	219	341	554	0.788235294	Thalassiosira_pseudonana	Diatom	AA2_ACI64585	Diatom	Thaps	Thaps_ACI64585	Thaps_ACI64585
GH128	224	ACI64597	209	0.00062	13	83	42	111	0.3125	Thalassiosira_pseudonana	Diatom	GH128_ACI64597	Diatom	Thaps	Thaps_ACI64597	Thaps_ACI64597
CBM14	54	ACI64607	994	0.000000034	14	54	308	348	0.740740741	Thalassiosira_pseudonana	Diatom	CBM14_ACI64607	Diatom	Thaps	Thaps_ACI64607	Thaps_ACI64607
CBM14	54	ACI64607	994	0.000000051	1	54	72	124	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_ACI64607	Diatom	Thaps	Thaps_ACI64607	Thaps_ACI64607
CBM14	54	ACI64607	994	0.00000047	7	48	153	192	0.759259259	Thalassiosira_pseudonana	Diatom	CBM14_ACI64607	Diatom	Thaps	Thaps_ACI64607	Thaps_ACI64607
CBM14	54	ACI64607	994	0.00000023	11	54	226	268	0.796296296	Thalassiosira_pseudonana	Diatom	CBM14_ACI64607	Diatom	Thaps	Thaps_ACI64607	Thaps_ACI64607
GT2	168	ACI64712	584	1.90E-12	79	161	293	376	0.488095238	Thalassiosira_pseudonana	Diatom	GT2_ACI64712	Diatom	Thaps	Thaps_ACI64712	Thaps_ACI64712
GH38	269	ACI64715	741	6.40E-68	1	255	2	257	0.944237918	Thalassiosira_pseudonana	Diatom	GH38_ACI64715	Diatom	Thaps	Thaps_ACI64715	Thaps_ACI64715
CBM22	131	ACI64725	1018	0.00011	55	124	577	647	0.526717557	Thalassiosira_pseudonana	Diatom	CBM22_ACI64725	Diatom	Thaps	Thaps_ACI64725	Thaps_ACI64725
AA2	255	ACI64771	269	3.90E-52	16	254	12	260	0.933333333	Thalassiosira_pseudonana	Diatom	AA2_ACI64771	Diatom	Thaps	Thaps_ACI64771	Thaps_ACI64771
GH19	231	ACI64798	143	3.90E-34	56	199	1	143	0.619047619	Thalassiosira_pseudonana	Diatom	GH19_ACI64798	Diatom	Thaps	Thaps_ACI64798	Thaps_ACI64798
CBM14	54	ACI64799	581	0.000000013	11	54	86	129	0.796296296	Thalassiosira_pseudonana	Diatom	CBM14_ACI64799	Diatom	Thaps	Thaps_ACI64799	Thaps_ACI64799
GH18	296	ACI64799	581	2.50E-66	2	285	172	523	0.956081081	Thalassiosira_pseudonana	Diatom	GH18_ACI64799	Diatom	Thaps	Thaps_ACI64799	Thaps_ACI64799
GT4	160	ACI64823	507	3.20E-26	4	156	244	391	0.95	Thalassiosira_pseudonana	Diatom	GT4_ACI64823	Diatom	Thaps	Thaps_ACI64823	Thaps_ACI64823
GH31	427	ACI64826	859	3.60E-150	2	427	261	713	0.995316159	Thalassiosira_pseudonana	Diatom	GH31_ACI64826	Diatom	Thaps	Thaps_ACI64826	Thaps_ACI64826
GT4	160	ACI64913	445	8.60E-33	11	159	242	403	0.925	Thalassiosira_pseudonana	Diatom	GT4_ACI64913	Diatom	Thaps	Thaps_ACI64913	Thaps_ACI64913
GT77	216	ACI64936	499	1.50E-31	2	138	345	487	0.62962963	Thalassiosira_pseudonana	Diatom	GT77_ACI64936	Diatom	Thaps	Thaps_ACI64936	Thaps_ACI64936
CE1	227	ACI64954	451	0.000000085	6	122	53	193	0.511013216	Thalassiosira_pseudonana	Diatom	CE1_ACI64954	Diatom	Thaps	Thaps_ACI64954	Thaps_ACI64954
GH18	296	ACI65060	344	1.40E-72	6	277	1	344	0.915540541	Thalassiosira_pseudonana	Diatom	GH18_ACI65060	Diatom	Thaps	Thaps_ACI65060	Thaps_ACI65060
GT2	168	ACI65062	584	1.90E-12	79	161	293	376	0.488095238	Thalassiosira_pseudonana	Diatom	GT2_ACI65062	Diatom	Thaps	Thaps_ACI65062	Thaps_ACI65062
GH79	455	EED86121	703	5.50E-83	2	454	24	518	0.993406593	Thalassiosira_pseudonana	Diatom	GH79_EED86121	Diatom	Thaps	Thaps_EED86121	Thaps_EED86121
GT14	250	EED86201	161	3.40E-17	164	249	22	111	0.34	Thalassiosira_pseudonana	Diatom	GT14_EED86201	Diatom	Thaps	Thaps_EED86201	Thaps_EED86201
GT14	250	EED86202	644	4.10E-10	1	83	534	631	0.328	Thalassiosira_pseudonana	Diatom	GT14_EED86202	Diatom	Thaps	Thaps_EED86202	Thaps_EED86202
CBM14	54	EED86205	278	9.30E-10	8	54	39	88	0.851851852	Thalassiosira_pseudonana	Diatom	CBM14_EED86205	Diatom	Thaps	Thaps_EED86205	Thaps_EED86205
GH18	296	EED86206	349	2.90E-55	22	246	16	319	0.756756757	Thalassiosira_pseudonana	Diatom	GH18_EED86206	Diatom	Thaps	Thaps_EED86206	Thaps_EED86206
CBM73	54	EED86209	591	2.30E-12	6	53	538	583	0.87037037	Thalassiosira_pseudonana	Diatom	CBM73_EED86209	Diatom	Thaps	Thaps_EED86209	Thaps_EED86209
CBM73	54	EED86209	591	4.30E-11	2	53	201	248	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86209	Diatom	Thaps	Thaps_EED86209	Thaps_EED86209
CBM73	54	EED86209	591	2.30E-09	2	53	123	172	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86209	Diatom	Thaps	Thaps_EED86209	Thaps_EED86209
CBM73	54	EED86209	591	0.00064	2	40	278	321	0.703703704	Thalassiosira_pseudonana	Diatom	CBM73_EED86209	Diatom	Thaps	Thaps_EED86209	Thaps_EED86209
CBM73	54	EED86229	570													

CBM73	54	EED86229	570	1.90E-09	2	53	210	257	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86229	Diatom	Thaps	Thaps_EED86229	Thaps_EED86229
CBM73	54	EED86229	570	2.20E-09	2	53	130	179	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86229	Diatom	Thaps	Thaps_EED86229	Thaps_EED86229
CBM73	54	EED86229	570	0.00000021	2	44	287	329	0.777777778	Thalassiosira_pseudonana	Diatom	CBM73_EED86229	Diatom	Thaps	Thaps_EED86229	Thaps_EED86229
CBM73	54	EED86229	570	0.00000022	14	45	452	481	0.574074074	Thalassiosira_pseudonana	Diatom	CBM73_EED86229	Diatom	Thaps	Thaps_EED86229	Thaps_EED86229
GT90	250	EED86304	1436	2.70E-20	60	232	272	495	0.688	Thalassiosira_pseudonana	Diatom	GT90_EED86304	Diatom	Thaps	Thaps_EED86304	Thaps_EED86304
GT8	257	EED86309	1222	2.60E-12	42	253	6	324	0.821011673	Thalassiosira_pseudonana	Diatom	GT8_EED86309	Diatom	Thaps	Thaps_EED86309	Thaps_EED86309
CE1	227	EED86346	218	0.0000063	29	143	5	154	0.502202643	Thalassiosira_pseudonana	Diatom	CE1_EED86346	Diatom	Thaps	Thaps_EED86346	Thaps_EED86346
AA7	458	EED86354	737	4.40E-27	14	209	144	423	0.425764192	Thalassiosira_pseudonana	Diatom	AA7_EED86354	Diatom	Thaps	Thaps_EED86354	Thaps_EED86354
GH109	126	EED86389	427	0.0000085	1	100	23	125	0.785714286	Thalassiosira_pseudonana	Diatom	GH109_EED86389	Diatom	Thaps	Thaps_EED86389	Thaps_EED86389
CBM73	54	EED86415	1226	1.70E-13	2	53	778	826	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86415	Diatom	Thaps	Thaps_EED86415	Thaps_EED86415
CBM73	54	EED86415	1226	1.20E-12	7	53	379	428	0.851851852	Thalassiosira_pseudonana	Diatom	CBM73_EED86415	Diatom	Thaps	Thaps_EED86415	Thaps_EED86415
CBM73	54	EED86415	1226	0.00000017	5	53	662	704	0.888888889	Thalassiosira_pseudonana	Diatom	CBM73_EED86415	Diatom	Thaps	Thaps_EED86415	Thaps_EED86415
CBM73	54	EED86415	1226	0.0000061	6	53	490	536	0.87037037	Thalassiosira_pseudonana	Diatom	CBM73_EED86415	Diatom	Thaps	Thaps_EED86415	Thaps_EED86415
GH19	231	EED86415	1226	3.70E-11	26	219	904	1222	0.835497836	Thalassiosira_pseudonana	Diatom	GH19_EED86415	Diatom	Thaps	Thaps_EED86415	Thaps_EED86415
GT22	389	EED86416	403	3.30E-50	15	384	9	402	0.948586118	Thalassiosira_pseudonana	Diatom	GT22_EED86416	Diatom	Thaps	Thaps_EED86416	Thaps_EED86416
CBM14	54	EED86438	1348	0.0000001	12	54	1211	1254	0.777777778	Thalassiosira_pseudonana	Diatom	CBM14_EED86438	Diatom	Thaps	Thaps_EED86438	Thaps_EED86438
CBM73	54	EED86438	1348	4.30E-15	2	53	454	502	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED86438	Diatom	Thaps	Thaps_EED86438	Thaps_EED86438
CBM73	54	EED86438	1348	3.70E-13	2	52	356	400	0.925925926	Thalassiosira_pseudonana	Diatom	CBM73_EED86438	Diatom	Thaps	Thaps_EED86438	Thaps_EED86438
GT34	246	EED86469	381	4.40E-21	47	238	167	362	0.776422764	Thalassiosira_pseudonana	Diatom	GT34_EED86469	Diatom	Thaps	Thaps_EED86469	Thaps_EED86469
GT90	250	EED86470	687	9.70E-21	60	233	268	492	0.692	Thalassiosira_pseudonana	Diatom	GT90_EED86470	Diatom	Thaps	Thaps_EED86470	Thaps_EED86470
GT90	250	EED86471	1012	9.40E-13	60	233	272	506	0.692	Thalassiosira_pseudonana	Diatom	GT90_EED86471	Diatom	Thaps	Thaps_EED86471	Thaps_EED86471
GT4	160	EED86477	401	5.60E-15	7	115	242	346	0.675	Thalassiosira_pseudonana	Diatom	GT4_EED86477	Diatom	Thaps	Thaps_EED86477	Thaps_EED86477
CBM32	124	EED86485	704	0.0000015	13	76	497	568	0.508064516	Thalassiosira_pseudonana	Diatom	CBM32_EED86485	Diatom	Thaps	Thaps_EED86485	Thaps_EED86485
GH130	296	EED86494	1168	1.30E-15	8	119	1040	1161	0.375	Thalassiosira_pseudonana	Diatom	GH130_EED86494	Diatom	Thaps	Thaps_EED86494	Thaps_EED86494
GH78	504	EED86494	1168	3.00E-63	8	500	318	847	0.976190476	Thalassiosira_pseudonana	Diatom	GH78_EED86494	Diatom	Thaps	Thaps_EED86494	Thaps_EED86494
GT34	246	EED86529	643	2.50E-25	20	244	76	268	0.910569106	Thalassiosira_pseudonana	Diatom	GT34_EED86529	Diatom	Thaps	Thaps_EED86529	Thaps_EED86529
CBM30	91	EED86531	602	0.0000016	9	90	1	74	0.89010989	Thalassiosira_pseudonana	Diatom	CBM30_EED86531	Diatom	Thaps	Thaps_EED86531	Thaps_EED86531
GH9	418	EED86531	602	5.40E-69	2	416	89	552	0.990430622	Thalassiosira_pseudonana	Diatom	GH9_EED86531	Diatom	Thaps	Thaps_EED86531	Thaps_EED86531
GT32	90	EED86548	857	1.10E-19	4	85	577	652	0.9	Thalassiosira_pseudonana	Diatom	GT32_EED86548	Diatom	Thaps	Thaps_EED86548	Thaps_EED86548
GT32	90	EED86548	877	0.00021	19	80	129	206	0.677777778	Thalassiosira_pseudonana	Diatom	GT32_EED86548	Diatom	Thaps	Thaps_EED86548	Thaps_EED86548
GT32	90	EED86595	547	1.40E-17	6	86	179	251	0.888888889	Thalassiosira_pseudonana	Diatom	GT32_EED86595	Diatom	Thaps	Thaps_EED86595	Thaps_EED86595
GT22	389	EED86613	512	1.00E-25	209	385	195	366	0.452442159	Thalassiosira_pseudonana	Diatom	GT22_EED86613	Diatom	Thaps	Thaps_EED86613	Thaps_EED86613
AA2	255	EED86626	1929	0.00000027	100	254	1495	1695	0.603921569	Thalassiosira_pseudonana	Diatom	AA2_EED86626	Diatom	Thaps	Thaps_EED86626	Thaps_EED86626
GH99	334	EED86632	476	0.00000053	5	309	80	427	0.910179641	Thalassiosira_pseudonana	Diatom	GH99_EED86632	Diatom	Thaps	Thaps_EED86632	Thaps_EED86632
GH99	334	EED86637	580	0.000000038	5	307	175	532	0.904191617	Thalassiosira_pseudonana	Diatom	GH99_EED86637	Diatom	Thaps	Thaps_EED86637	Thaps_EED86637
GT32	90	EED86682	436	7.70E-13	3	89	189	281	0.955555556	Thalassiosira_pseudonana	Diatom	GT32_EED86682	Diatom	Thaps	Thaps_EED86682	Thaps_EED86682
CBM12	34	EED86684	335	0.0000013	8	24	216	232	0.470588235	Thalassiosira_pseudonana	Diatom	CBM12_EED86684	Diatom	Thaps	Thaps_EED86684	Thaps_EED86684
CBM73	54	EED86684	335	0.00000072	4	53	279	323	0.907407407	Thalassiosira_pseudonana	Diatom	CBM73_EED86684	Diatom	Thaps	Thaps_EED86684	Thaps_EED86684
GH18	296	EED86702	328	2.90E-53	8	274	1	328	0.898648649	Thalassiosira_pseudonana	Diatom	GH18_EED86702	Diatom	Thaps	Thaps_EED86702	Thaps_EED86702
GH18	296	EED86703	332	6.20E-60	7	278	2	332	0.915540541	Thalassiosira_pseudonana	Diatom	GH18_EED86703	Diatom	Thaps	Thaps_EED86703	Thaps_EED86703
AA2	255	EED86723	1741	5.20E-18	18	253	1206	1506	0.921568628	Thalassiosira_pseudonana	Diatom	AA2_EED86723	Diatom	Thaps	Thaps_EED86723	Thaps_EED86723
GT2	168	EED86726	283	1.30E-18	2	108	3	152	0.630952381	Thalassiosira_pseudonana	Diatom	GT2_EED86726	Diatom	Thaps	Thaps_EED86726	Thaps_EED86726
GH99	334	EED86728	501	5.90E-09	5	308	103	447	0.907185629	Thalassiosira_pseudonana	Diatom	GH99_EED86728	Diatom	Thaps	Thaps_EED86728	Thaps_EED86728
GH19	231	EED86738	178	1.30E-27	26	199	7	178	0.748917749	Thalassiosira_pseudonana	Diatom	GH19_EED86738	Diatom	Thaps	Thaps_EED86738	Thaps_EED86738
GH19	231	EED86739	206	6.60E-38	13	223	6	206	0.909090909	Thalassiosira_pseudonana	Diatom	GH19_EED86739	Diatom	Thaps	Thaps_EED86739	Thaps_EED86739
GH19	231	EED86749	185	7.20E-36	14	197	7	185	0.792207792	Thalassiosira_pseudonana	Diatom	GH19_EED86749	Diatom	Thaps	Thaps_EED86749	Thaps_EED86749
CE10	341	EED86778	422	2.30E-09	64	251	14	301	0.548387097	Thalassiosira_pseudonana	Diatom	CE10_EED86778	Diatom	Thaps	Thaps_EED86778	Thaps_EED86778
GT90	250	EED86798	550	2.00E-18	56	230	225	458	0.696	Thalassiosira_pseudonana	Diatom	GT90_EED86798	Diatom	Thaps	Thaps_EED86798	Thaps_EED86798
GT32	90	EED86825	255	3.40E-11	7	81	9	82	0.822222222	Thalassiosira_pseudonana	Diatom	GT32_EED86825	Diatom	Thaps	Thaps_EED86825	Thaps_EED86825
GT32	90	EED86847	690	7.40E-10	4	83	141	214	0.877777778	Thalassiosira_pseudonana	Diatom	GT32_EED86847	Diatom	Thaps	Thaps_EED86847	Thaps_EED86847
GT32	90	EED86850	213	7.70E-17	5	86	17	94	0.9	Thalassiosira_pseudonana	Diatom	GT32_EED86850	Diatom	Thaps	Thaps_EED86850	Thaps_EED86850
GT8	257	EED86864	859	3.80E-13	40	249	77	335	0.813229572	Thalassiosira_pseudonana	Diatom	GT8_EED86864	Diatom	Thaps	Thaps_EED86864	Thaps_EED86864
GH18	296	EED86898	435	1.60E-10	23	203	110	382	0.608108108	Thalassiosira_pseudonana	Diatom	GH18_EED86898	Diatom	Thaps	Thaps_EED86898	Thaps_EED86898
GT47	296	EED86905	404	0.000000027	100	259	143	323	0.537162162	Thalassiosira_pseudonana	Diatom	GT47_EED86905	Diatom	Thaps	Thaps_EED86905	Thaps_EED86905
GH109	126	EED86911	462	0.000000012	4	122	19	127	0.936507937	Thalassiosira_pseudonana	Diatom	GH109_EED86911	Diatom	Thaps	Thaps_EED86911	Thaps_EED86911
GT31	192	EED86948	334	6.10E-09	26	165	131	273	0.723958333	Thalassiosira_pseudonana	Diatom	GT31_EED86948	Diatom	Thaps	Thaps_EED86948	Thaps_EED86948
CBM46	87	EED86983	884	0.00000032	27	74	60	104	0.540229885	Thalassiosira_pseudonana	Diatom	CBM46_EED86983	Diatom	Thaps	Thaps_EED86983	Thaps_EED86983
GT32	90	EED86990	136	3.30E-09	56	85	2	31	0.322222222	Thalassiosira_pseudonana	Diatom	GT32_EED86990	Diatom	Thaps	Thaps_EED86990	Thaps_EED86990
GT17	284	EED87029	444	0.00000032	45	144	139	242	0.348591549	Thalassiosira_pseudonana	Diatom	GT17_EED87029	Diatom	Thaps	Thaps_EED87029	Thaps_EED87029
GT32	90	EED87108	351	1.70E-10	4	82	132	211	0.866666667	Thalassiosira_pseudonana	Diatom	GT32_EED87108	Diatom	Thaps	Thaps_EED87108	Thaps_EED87108
CE10	341	EED87135	715	2.30E-25	73	319	438	675	0.721407625	Thalassiosira_pseudonana	Diatom	CE10_EED87135	Diatom	Thaps	Thaps_EED87135	Thaps_EED87135
GT32	90	EED87208	374	0.00000016	41	82	187	229	0.455555556	Thalassiosira_pseudonana	Diatom	GT32_EED87208	Diatom	Thaps	Thaps_EED87208	Thaps_EED87208
GH109	126	EED87238	341	7.60E-10	56	122	48	114	0.523809524	Thalassiosira_pseudonana	Diatom	GH109_EED87238	Diatom	Thaps	Thaps_EED87238	Thaps_EED87238
GH18	296	EED87251	289	1.30E-15	54	158	119	269	0.351351351	Thalassiosira_pseudonana	Diatom	GH18_EED87251	Diatom	Thaps	Thaps_EED87251	Thaps_EED87251
GH109	126	EED87397	343	6.10E-11	21	114	78	165	0.738095238	Thalassiosira_pseudonana	Diatom	GH109_EED87397	Diatom	Thaps	Thaps_EED87397	Thaps_EED87397
GT92	279	EED87399	372	1.90E-09	16	185	90	244	0.605734767	Thalassiosira_pseudonana	Diatom	GT92_EED87399	Diatom	Thaps	Thaps_EED87399	Thaps_EED87399
CE10	341	EED87413	164	0.000000024	100	208	10	114	0.316715543	Thalassiosira_pseudonana	Diatom	CE10_EED87413	Diatom	Thaps	Thaps_EED87413	Thaps_EED87413
AA2	255	EED87450	246	7.40E-48	17	253	7	243	0.925490196	Thalassiosira_pseudonana	Diatom	AA2_EED87450	Diatom	Thaps	Thaps_EED87450	Thaps_EED87450
GH18	296	EED87462	333	1.90E-64	8	278	1	331	0.912162162	Thalassiosira_pseudonana	Diatom	GH18_EED87462	Diatom	Thaps	Thaps_EED87462	Thaps_EED87462
CBM14	54	EED87463	198	0.000000023	10	54	60	107	0.814814815	Thalassiosira_pseudonana	Diatom	CBM14_EED87463	Diatom	Thaps	Thaps_EED87463	Thaps_EED87463
CBM14	54	EED87463	198	0.00000029	13	5										

GT4	160	EED87466	366	1.60E-32	4	156	200	343	0.95	Thalassiosira_pseudonana	Diatom	GT4_EED87466	Diatom	Thaps	Thaps_EED87466	Thaps_EED87466
GH30	417	EED87519	764	1.20E-84	25	362	142	523	0.808153477	Thalassiosira_pseudonana	Diatom	GH30_EED87519	Diatom	Thaps	Thaps_EED87519	Thaps_EED87519
GT90	250	EED87529	818	4.70E-23	58	226	277	440	0.672	Thalassiosira_pseudonana	Diatom	GT90_EED87529	Diatom	Thaps	Thaps_EED87529	Thaps_EED87529
GT90	250	EED87529	818	3.00E-14	129	228	693	793	0.396	Thalassiosira_pseudonana	Diatom	GT90_EED87529	Diatom	Thaps	Thaps_EED87529	Thaps_EED87529
CBM14	54	EED87533	1363	0.00000011	1	54	966	1015	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_EED87533	Diatom	Thaps	Thaps_EED87533	Thaps_EED87533
CBM14	54	EED87533	1363	0.0000088	11	54	1044	1086	0.796296296	Thalassiosira_pseudonana	Diatom	CBM14_EED87533	Diatom	Thaps	Thaps_EED87533	Thaps_EED87533
AA2	255	EED87598	269	6.70E-55	6	253	5	261	0.968627451	Thalassiosira_pseudonana	Diatom	AA2_EED87598	Diatom	Thaps	Thaps_EED87598	Thaps_EED87598
CBM38	129	EED87619	3798	4.80E-22	4	129	3221	3382	0.968992248	Thalassiosira_pseudonana	Diatom	CBM38_EED87619	Diatom	Thaps	Thaps_EED87619	Thaps_EED87619
CE10	341	EED87663	233	3.60E-28	94	306	5	220	0.62170088	Thalassiosira_pseudonana	Diatom	CE10_EED87663	Diatom	Thaps	Thaps_EED87663	Thaps_EED87663
CBM47	128	EED87699	3390	3.60E-17	7	128	2992	3109	0.9453125	Thalassiosira_pseudonana	Diatom	CBM47_EED87699	Diatom	Thaps	Thaps_EED87699	Thaps_EED87699
CBM47	128	EED87699	3390	3.40E-16	7	80	3136	3207	0.5703125	Thalassiosira_pseudonana	Diatom	CBM47_EED87699	Diatom	Thaps	Thaps_EED87699	Thaps_EED87699
GT64	248	EED87737	506	8.20E-53	1	232	57	296	0.931451613	Thalassiosira_pseudonana	Diatom	GT64_EED87737	Diatom	Thaps	Thaps_EED87737	Thaps_EED87737
GT8	257	EED87771	803	0.00000048	89	197	510	633	0.420233463	Thalassiosira_pseudonana	Diatom	GT8_EED87771	Diatom	Thaps	Thaps_EED87771	Thaps_EED87771
CBM73	54	EED87827	818	0.00014	3	53	523	568	0.925925926	Thalassiosira_pseudonana	Diatom	CBM73_EED87827	Diatom	Thaps	Thaps_EED87827	Thaps_EED87827
GH74	233	EED87828	406	9.70E-09	44	114	104	173	0.300429185	Thalassiosira_pseudonana	Diatom	GH74_EED87828	Diatom	Thaps	Thaps_EED87828	Thaps_EED87828
GT32	90	EED87847	292	1.10E-17	4	82	81	156	0.866666667	Thalassiosira_pseudonana	Diatom	GT32_EED87847	Diatom	Thaps	Thaps_EED87847	Thaps_EED87847
GT25	181	EED87873	1278	2.40E-12	4	179	926	1198	0.966850829	Thalassiosira_pseudonana	Diatom	GT25_EED87873	Diatom	Thaps	Thaps_EED87873	Thaps_EED87873
GT96	307	EED87890	552	3.70E-11	2	112	131	269	0.358306189	Thalassiosira_pseudonana	Diatom	GT96_EED87890	Diatom	Thaps	Thaps_EED87890	Thaps_EED87890
CBM14	54	EED87892	1438	0.00001	4	54	935	985	0.925925926	Thalassiosira_pseudonana	Diatom	CBM14_EED87892	Diatom	Thaps	Thaps_EED87892	Thaps_EED87892
CBM14	54	EED87892	1438	0.000098	10	54	755	801	0.814814815	Thalassiosira_pseudonana	Diatom	CBM14_EED87892	Diatom	Thaps	Thaps_EED87892	Thaps_EED87892
GH18	296	EED87892	1438	1.20E-56	3	286	313	683	0.956081081	Thalassiosira_pseudonana	Diatom	GH18_EED87892	Diatom	Thaps	Thaps_EED87892	Thaps_EED87892
GT31	192	EED87906	341	7.30E-21	8	183	122	316	0.911458333	Thalassiosira_pseudonana	Diatom	GT31_EED87906	Diatom	Thaps	Thaps_EED87906	Thaps_EED87906
GH19	231	EED87921	682	0.00000023	27	156	336	609	0.558441558	Thalassiosira_pseudonana	Diatom	GH19_EED87921	Diatom	Thaps	Thaps_EED87921	Thaps_EED87921
CE1	227	EED87955	309	0.00000045	28	142	34	138	0.502202643	Thalassiosira_pseudonana	Diatom	CE1_EED87955	Diatom	Thaps	Thaps_EED87955	Thaps_EED87955
AA2	255	EED88002	735	2.30E-12	21	253	455	720	0.909803922	Thalassiosira_pseudonana	Diatom	AA2_EED88002	Diatom	Thaps	Thaps_EED88002	Thaps_EED88002
AA2	255	EED88002	735	2.60E-09	14	92	68	148	0.305882353	Thalassiosira_pseudonana	Diatom	AA2_EED88002	Diatom	Thaps	Thaps_EED88002	Thaps_EED88002
GH19	231	EED88058	783	0.000000001	30	157	342	594	0.54978355	Thalassiosira_pseudonana	Diatom	GH19_EED88058	Diatom	Thaps	Thaps_EED88058	Thaps_EED88058
AA4	522	EED88102	529	1.90E-18	32	193	58	219	0.308429119	Thalassiosira_pseudonana	Diatom	AA4_EED88102	Diatom	Thaps	Thaps_EED88102	Thaps_EED88102
CE13	355	EED88128	484	2.20E-32	19	191	63	258	0.484507042	Thalassiosira_pseudonana	Diatom	CE13_EED88128	Diatom	Thaps	Thaps_EED88128	Thaps_EED88128
GT50	262	EED88173	481	6.00E-62	1	261	162	453	0.992366412	Thalassiosira_pseudonana	Diatom	GT50_EED88173	Diatom	Thaps	Thaps_EED88173	Thaps_EED88173
GT47	296	EED88305	547	7.50E-10	5	203	40	248	0.668918919	Thalassiosira_pseudonana	Diatom	GT47_EED88305	Diatom	Thaps	Thaps_EED88305	Thaps_EED88305
GT90	250	EED88439	756	2.20E-13	134	224	594	682	0.36	Thalassiosira_pseudonana	Diatom	GT90_EED88439	Diatom	Thaps	Thaps_EED88439	Thaps_EED88439
GT90	250	EED88440	1017	1.90E-14	49	225	237	453	0.704	Thalassiosira_pseudonana	Diatom	GT90_EED88440	Diatom	Thaps	Thaps_EED88440	Thaps_EED88440
GT90	250	EED88452	846	1.90E-19	57	222	334	551	0.66	Thalassiosira_pseudonana	Diatom	GT90_EED88452	Diatom	Thaps	Thaps_EED88452	Thaps_EED88452
GT4	160	EED88553	549	5.60E-29	5	124	331	462	0.74375	Thalassiosira_pseudonana	Diatom	GT4_EED88553	Diatom	Thaps	Thaps_EED88553	Thaps_EED88553
GT90	250	EED88582	526	8.10E-19	59	226	251	457	0.668	Thalassiosira_pseudonana	Diatom	GT90_EED88582	Diatom	Thaps	Thaps_EED88582	Thaps_EED88582
GT28	157	EED88597	414	4.00E-26	2	157	212	372	0.987261147	Thalassiosira_pseudonana	Diatom	GT28_EED88597	Diatom	Thaps	Thaps_EED88597	Thaps_EED88597
GT1	382	EED88628	255	8.50E-36	224	378	27	207	0.403141361	Thalassiosira_pseudonana	Diatom	GT1_EED88628	Diatom	Thaps	Thaps_EED88628	Thaps_EED88628
GH19	231	EED88641	1008	7.70E-10	29	156	71	321	0.54978355	Thalassiosira_pseudonana	Diatom	GH19_EED88641	Diatom	Thaps	Thaps_EED88641	Thaps_EED88641
GT48	739	EED88672	698	1.50E-255	3	695	1	659	0.936400541	Thalassiosira_pseudonana	Diatom	GT48_EED88672	Diatom	Thaps	Thaps_EED88672	Thaps_EED88672
GH109	126	EED88727	436	0.000000046	61	120	111	171	0.468253968	Thalassiosira_pseudonana	Diatom	GH109_EED88727	Diatom	Thaps	Thaps_EED88727	Thaps_EED88727
GT90	250	EED88780	432	1.30E-33	43	247	200	404	0.816	Thalassiosira_pseudonana	Diatom	GT90_EED88780	Diatom	Thaps	Thaps_EED88780	Thaps_EED88780
GT31	192	EED88781	336	0.000000019	55	190	135	255	0.703125	Thalassiosira_pseudonana	Diatom	GT31_EED88781	Diatom	Thaps	Thaps_EED88781	Thaps_EED88781
GT8	257	EED88875	493	3.10E-11	41	254	102	397	0.828793774	Thalassiosira_pseudonana	Diatom	GT8_EED88875	Diatom	Thaps	Thaps_EED88875	Thaps_EED88875
GT14	250	EED88925	540	8.00E-23	2	237	105	418	0.94	Thalassiosira_pseudonana	Diatom	GT14_EED88925	Diatom	Thaps	Thaps_EED88925	Thaps_EED88925
CE10	341	EED88993	292	4.60E-10	85	216	53	196	0.384164223	Thalassiosira_pseudonana	Diatom	CE10_EED88993	Diatom	Thaps	Thaps_EED88993	Thaps_EED88993
GT41	705	EED89012	420	3.20E-82	193	519	2	410	0.462411348	Thalassiosira_pseudonana	Diatom	GT41_EED89012	Diatom	Thaps	Thaps_EED89012	Thaps_EED89012
GT90	250	EED89013	629	4.00E-17	64	222	324	528	0.632	Thalassiosira_pseudonana	Diatom	GT90_EED89013	Diatom	Thaps	Thaps_EED89013	Thaps_EED89013
CE10	341	EED89025	561	1.90E-16	61	329	224	534	0.785923754	Thalassiosira_pseudonana	Diatom	CE10_EED89025	Diatom	Thaps	Thaps_EED89025	Thaps_EED89025
GT32	90	EED89072	509	4.60E-10	5	83	281	357	0.866666667	Thalassiosira_pseudonana	Diatom	GT32_EED89072	Diatom	Thaps	Thaps_EED89072	Thaps_EED89072
GT31	192	EED89080	868	5.20E-10	51	118	622	694	0.348958333	Thalassiosira_pseudonana	Diatom	GT31_EED89080	Diatom	Thaps	Thaps_EED89080	Thaps_EED89080
GT90	250	EED89120	134	6.10E-13	134	249	11	126	0.46	Thalassiosira_pseudonana	Diatom	GT90_EED89120	Diatom	Thaps	Thaps_EED89120	Thaps_EED89120
CE9	373	EED89122	410	2.10E-105	40	373	4	397	0.892761394	Thalassiosira_pseudonana	Diatom	CE9_EED89122	Diatom	Thaps	Thaps_EED89122	Thaps_EED89122
GT92	279	EED89148	802	4.70E-18	3	100	609	707	0.347670251	Thalassiosira_pseudonana	Diatom	GT92_EED89148	Diatom	Thaps	Thaps_EED89148	Thaps_EED89148
GH43	248	EED89179	309	2.30E-27	20	194	22	251	0.701612903	Thalassiosira_pseudonana	Diatom	GH43_EED89179	Diatom	Thaps	Thaps_EED89179	Thaps_EED89179
CE10	341	EED89214	410	6.70E-17	56	314	68	369	0.756598241	Thalassiosira_pseudonana	Diatom	CE10_EED89214	Diatom	Thaps	Thaps_EED89214	Thaps_EED89214
CBM73	54	EED89253	1132	3.00E-11	6	53	594	638	0.87037037	Thalassiosira_pseudonana	Diatom	CBM73_EED89253	Diatom	Thaps	Thaps_EED89253	Thaps_EED89253
AA2	255	EED89294	251	1.10E-57	28	254	2	239	0.88627451	Thalassiosira_pseudonana	Diatom	AA2_EED89294	Diatom	Thaps	Thaps_EED89294	Thaps_EED89294
GH16	189	EED89298	239	5.20E-21	52	189	2	238	0.724867725	Thalassiosira_pseudonana	Diatom	GH16_EED89298	Diatom	Thaps	Thaps_EED89298	Thaps_EED89298
GT28	157	EED89312	567	1.80E-30	1	157	379	539	0.993630573	Thalassiosira_pseudonana	Diatom	GT28_EED89312	Diatom	Thaps	Thaps_EED89312	Thaps_EED89312
GH72	312	EED89321	322	6.40E-27	140	311	2	214	0.548076923	Thalassiosira_pseudonana	Diatom	GH72_EED89321	Diatom	Thaps	Thaps_EED89321	Thaps_EED89321
GH31	427	EED89344	506	1.50E-60	4	423	43	494	0.981264637	Thalassiosira_pseudonana	Diatom	GH31_EED89344	Diatom	Thaps	Thaps_EED89344	Thaps_EED89344
CE1	227	EED89431	826	1.40E-10	7	221	573	812	0.942731278	Thalassiosira_pseudonana	Diatom	CE1_EED89431	Diatom	Thaps	Thaps_EED89431	Thaps_EED89431
CBM12	34	EED89580	1363	0.000000019	5	28	1304	1327	0.676470588	Thalassiosira_pseudonana	Diatom	CBM12_EED89580	Diatom	Thaps	Thaps_EED89580	Thaps_EED89580
CBM35	123	EED89589	2657	1.40E-21	11	122	517	633	0.902439024	Thalassiosira_pseudonana	Diatom	CBM35_EED89589	Diatom	Thaps	Thaps_EED89589	Thaps_EED89589
CBM35	123	EED89589	2657	0.000000000	1	74	1686	1758	0.593495935	Thalassiosira_pseudonana	Diatom	CBM35_EED89589	Diatom	Thaps	Thaps_EED89589	Thaps_EED89589
CBM35	123	EED89589	2657	0.00000059	75	122	1834	1883	0.382113821	Thalassiosira_pseudonana	Diatom	CBM35_EED89589	Diatom	Thaps	Thaps_EED89589	Thaps_EED89589
GH18	296	EED89593	327	7.10E-66	23	277	7	327	0.858108108	Thalassiosira_pseudonana	Diatom	GH18_EED89593	Diatom	Thaps	Thaps_EED89593	Thaps_EED89593
GT90	250	EED89604	431	7.00E-10	33	143	218	339	0.44	Thalassiosira_pseudonana	Diatom	GT90_EED89604	Diatom	Thaps	Thaps_EED89604	Thaps_EED89604
CBM14	54	EED89681	854	0.000000039	13	54	355	399	0.759259259	Thalassiosira_pseudonana	Diatom	CBM14_EED89681	Diatom	Thaps	Thaps_EED89681	Thaps_EED89681
CBM14	54	EED89685	851	0.000000039	14	54	354									

GT90	250	EED89745	542	4.10E-34	26	232	207	424	0.824	Thalassiosira_pseudonana	Diatom	GT90_EED89745	Diatom	Thaps	Thaps_EED89745	Thaps_EED89745
AA2	255	EED89747	430	5.10E-18	17	151	105	249	0.525490196	Thalassiosira_pseudonana	Diatom	AA2_EED89747	Diatom	Thaps	Thaps_EED89747	Thaps_EED89747
GH18	296	EED89774	282	9.50E-59	61	280	3	281	0.739864865	Thalassiosira_pseudonana	Diatom	GH18_EED89774	Diatom	Thaps	Thaps_EED89774	Thaps_EED89774
GH109	126	EED89795	199	9.40E-11	22	122	29	129	0.793650794	Thalassiosira_pseudonana	Diatom	GH109_EED89795	Diatom	Thaps	Thaps_EED89795	Thaps_EED89795
GH32	293	EED89797	468	4.70E-11	22	169	300	460	0.501706485	Thalassiosira_pseudonana	Diatom	GH32_EED89797	Diatom	Thaps	Thaps_EED89797	Thaps_EED89797
CE4	130	EED89806	303	1.90E-13	16	125	75	184	0.838461539	Thalassiosira_pseudonana	Diatom	CE4_EED89806	Diatom	Thaps	Thaps_EED89806	Thaps_EED89806
GT60	330	EED89884	641	2.40E-62	4	324	72	396	0.96969697	Thalassiosira_pseudonana	Diatom	GT60_EED89884	Diatom	Thaps	Thaps_EED89884	Thaps_EED89884
GH125	402	EED89992	423	1.70E-107	41	402	1	389	0.89800995	Thalassiosira_pseudonana	Diatom	GH125_EED89992	Diatom	Thaps	Thaps_EED89992	Thaps_EED89992
GH19	231	EED90061	473	7.20E-22	8	223	102	377	0.930735931	Thalassiosira_pseudonana	Diatom	GH19_EED90061	Diatom	Thaps	Thaps_EED90061	Thaps_EED90061
GT17	284	EED90173	429	0.00000026	47	148	152	261	0.355633803	Thalassiosira_pseudonana	Diatom	GT17_EED90173	Diatom	Thaps	Thaps_EED90173	Thaps_EED90173
GT57	481	EED90228	527	5.80E-114	4	478	6	527	0.985446985	Thalassiosira_pseudonana	Diatom	GT57_EED90228	Diatom	Thaps	Thaps_EED90228	Thaps_EED90228
CE10	341	EED90242	283	0.000000053	94	285	21	235	0.560117302	Thalassiosira_pseudonana	Diatom	CE10_EED90242	Diatom	Thaps	Thaps_EED90242	Thaps_EED90242
CBM73	54	EED90326	1062	0.000000022	2	53	601	651	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED90326	Diatom	Thaps	Thaps_EED90326	Thaps_EED90326
CE14	124	EED90429	151	3.80E-09	1	111	6	131	0.887096774	Thalassiosira_pseudonana	Diatom	CE14_EED90429	Diatom	Thaps	Thaps_EED90429	Thaps_EED90429
CBM18	38	EED90437	187	0.0000013	1	28	24	52	0.710526316	Thalassiosira_pseudonana	Diatom	CBM18_EED90437	Diatom	Thaps	Thaps_EED90437	Thaps_EED90437
GH19	231	EED90474	447	4.10E-10	59	160	158	367	0.437229437	Thalassiosira_pseudonana	Diatom	GH19_EED90474	Diatom	Thaps	Thaps_EED90474	Thaps_EED90474
GT32	90	EED90592	432	1.80E-22	5	88	120	198	0.922222222	Thalassiosira_pseudonana	Diatom	GT32_EED90592	Diatom	Thaps	Thaps_EED90592	Thaps_EED90592
GT4	160	EED90630	403	5.30E-10	10	116	179	285	0.6625	Thalassiosira_pseudonana	Diatom	GT4_EED90630	Diatom	Thaps	Thaps_EED90630	Thaps_EED90630
GH5	275	EED90640	681	0.00000029	34	232	221	633	0.72	Thalassiosira_pseudonana	Diatom	GH5_EED90640	Diatom	Thaps	Thaps_EED90640	Thaps_EED90640
GT77	216	EED90652	346	2.20E-12	7	160	110	253	0.708333333	Thalassiosira_pseudonana	Diatom	GT77_EED90652	Diatom	Thaps	Thaps_EED90652	Thaps_EED90652
GT41	705	EED90682	812	5.20E-47	109	517	138	762	0.578723404	Thalassiosira_pseudonana	Diatom	GT41_EED90682	Diatom	Thaps	Thaps_EED90682	Thaps_EED90682
CE12	210	EED90750	323	0.000000006	68	209	126	285	0.671428571	Thalassiosira_pseudonana	Diatom	CE12_EED90750	Diatom	Thaps	Thaps_EED90750	Thaps_EED90750
GT17	284	EED90768	454	0.00000089	51	144	138	236	0.327464789	Thalassiosira_pseudonana	Diatom	GT17_EED90768	Diatom	Thaps	Thaps_EED90768	Thaps_EED90768
GT8	257	EED90810	461	5.30E-34	31	256	45	315	0.875486381	Thalassiosira_pseudonana	Diatom	GT8_EED90810	Diatom	Thaps	Thaps_EED90810	Thaps_EED90810
GT23	318	EED90814	438	0.00000018	4	217	66	326	0.669811321	Thalassiosira_pseudonana	Diatom	GT23_EED90814	Diatom	Thaps	Thaps_EED90814	Thaps_EED90814
GH19	231	EED90820	1116	3.10E-39	6	224	319	578	0.943722944	Thalassiosira_pseudonana	Diatom	GH19_EED90820	Diatom	Thaps	Thaps_EED90820	Thaps_EED90820
GT68	350	EED90826	686	1.40E-10	20	337	258	631	0.905714286	Thalassiosira_pseudonana	Diatom	GT68_EED90826	Diatom	Thaps	Thaps_EED90826	Thaps_EED90826
GH2	752	EED90854	987	2.20E-167	25	750	20	875	0.964095745	Thalassiosira_pseudonana	Diatom	GH2_EED90854	Diatom	Thaps	Thaps_EED90854	Thaps_EED90854
GT64	248	EED90885	332	3.70E-56	1	232	1	233	0.931451613	Thalassiosira_pseudonana	Diatom	GT64_EED90885	Diatom	Thaps	Thaps_EED90885	Thaps_EED90885
CBM50	40	EED90894	194	0.00047	1	29	75	107	0.7	Thalassiosira_pseudonana	Diatom	CBM50_EED90894	Diatom	Thaps	Thaps_EED90894	Thaps_EED90894
GT33	425	EED90915	451	1.40E-123	1	423	1	449	0.992941177	Thalassiosira_pseudonana	Diatom	GT33_EED90915	Diatom	Thaps	Thaps_EED90915	Thaps_EED90915
AA3	618	EED90997	541	8.20E-88	139	402	20	512	0.425566343	Thalassiosira_pseudonana	Diatom	AA3_EED90997	Diatom	Thaps	Thaps_EED90997	Thaps_EED90997
GT77	216	EED91029	604	1.30E-32	2	214	370	582	0.981481482	Thalassiosira_pseudonana	Diatom	GT77_EED91029	Diatom	Thaps	Thaps_EED91029	Thaps_EED91029
GH10	303	EED91037	109	1.40E-35	64	171	1	108	0.353135314	Thalassiosira_pseudonana	Diatom	GH10_EED91037	Diatom	Thaps	Thaps_EED91037	Thaps_EED91037
GT60	330	EED91109	328	1.40E-68	1	329	1	318	0.993939394	Thalassiosira_pseudonana	Diatom	GT60_EED91109	Diatom	Thaps	Thaps_EED91109	Thaps_EED91109
CE1	227	EED91127	253	2.30E-11	27	211	42	240	0.810572687	Thalassiosira_pseudonana	Diatom	CE1_EED91127	Diatom	Thaps	Thaps_EED91127	Thaps_EED91127
GT58	364	EED91209	434	2.70E-114	3	364	1	402	0.991758242	Thalassiosira_pseudonana	Diatom	GT58_EED91209	Diatom	Thaps	Thaps_EED91209	Thaps_EED91209
CBM14	54	EED91222	205	0.000000047	15	54	1	40	0.722222222	Thalassiosira_pseudonana	Diatom	CBM14_EED91222	Diatom	Thaps	Thaps_EED91222	Thaps_EED91222
CBM14	54	EED91222	205	0.00000006	7	54	74	121	0.87037037	Thalassiosira_pseudonana	Diatom	CBM14_EED91222	Diatom	Thaps	Thaps_EED91222	Thaps_EED91222
CBM14	54	EED91222	205	0.000000077	7	46	166	205	0.722222222	Thalassiosira_pseudonana	Diatom	CBM14_EED91222	Diatom	Thaps	Thaps_EED91222	Thaps_EED91222
CE1	227	EED91307	705	3.30E-09	26	143	430	610	0.515418502	Thalassiosira_pseudonana	Diatom	CE1_EED91307	Diatom	Thaps	Thaps_EED91307	Thaps_EED91307
GT90	250	EED91314	387	2.70E-19	57	224	75	287	0.668	Thalassiosira_pseudonana	Diatom	GT90_EED91314	Diatom	Thaps	Thaps_EED91314	Thaps_EED91314
CBM14	54	EED91378	537	0.00013	15	48	59	94	0.611111111	Thalassiosira_pseudonana	Diatom	CBM14_EED91378	Diatom	Thaps	Thaps_EED91378	Thaps_EED91378
GH19	231	EED91378	537	0.000000019	31	160	157	386	0.558441558	Thalassiosira_pseudonana	Diatom	GH19_EED91378	Diatom	Thaps	Thaps_EED91378	Thaps_EED91378
GT90	250	EED91382	548	1.00E-19	119	225	402	516	0.424	Thalassiosira_pseudonana	Diatom	GT90_EED91382	Diatom	Thaps	Thaps_EED91382	Thaps_EED91382
CBM14	54	EED91395	1689	0.000000001	14	54	205	245	0.740740741	Thalassiosira_pseudonana	Diatom	CBM14_EED91395	Diatom	Thaps	Thaps_EED91395	Thaps_EED91395
CBM14	54	EED91395	1689	0.00000056	11	54	303	346	0.796296296	Thalassiosira_pseudonana	Diatom	CBM14_EED91395	Diatom	Thaps	Thaps_EED91395	Thaps_EED91395
CBM14	54	EED91395	1689	0.00001	14	47	100	133	0.611111111	Thalassiosira_pseudonana	Diatom	CBM14_EED91395	Diatom	Thaps	Thaps_EED91395	Thaps_EED91395
GH19	231	EED91402	770	1.10E-13	51	224	64	378	0.748917749	Thalassiosira_pseudonana	Diatom	GH19_EED91402	Diatom	Thaps	Thaps_EED91402	Thaps_EED91402
AA3	618	EED91404	743	1.70E-40	99	393	53	742	0.475728155	Thalassiosira_pseudonana	Diatom	AA3_EED91404	Diatom	Thaps	Thaps_EED91404	Thaps_EED91404
GT77	216	EED91453	633	3.50E-17	4	213	355	561	0.967592593	Thalassiosira_pseudonana	Diatom	GT77_EED91453	Diatom	Thaps	Thaps_EED91453	Thaps_EED91453
CE10	341	EED91464	636	3.30E-24	87	319	390	624	0.680351906	Thalassiosira_pseudonana	Diatom	CE10_EED91464	Diatom	Thaps	Thaps_EED91464	Thaps_EED91464
AA2	255	EED91466	297	3.60E-44	13	254	17	294	0.945098039	Thalassiosira_pseudonana	Diatom	AA2_EED91466	Diatom	Thaps	Thaps_EED91466	Thaps_EED91466
CE1	227	EED91516	121	0.000000096	14	114	2	121	0.440528634	Thalassiosira_pseudonana	Diatom	CE1_EED91516	Diatom	Thaps	Thaps_EED91516	Thaps_EED91516
CE1	227	EED91517	227	4.60E-12	29	207	3	196	0.784140969	Thalassiosira_pseudonana	Diatom	CE1_EED91517	Diatom	Thaps	Thaps_EED91517	Thaps_EED91517
AA2	255	EED91519	235	4.90E-36	26	253	2	233	0.890196078	Thalassiosira_pseudonana	Diatom	AA2_EED91519	Diatom	Thaps	Thaps_EED91519	Thaps_EED91519
CE10	341	EED91528	585	0.000000005	81	308	343	559	0.66568915	Thalassiosira_pseudonana	Diatom	CE10_EED91528	Diatom	Thaps	Thaps_EED91528	Thaps_EED91528
GH47	446	EED91537	449	4.00E-146	1	445	4	444	0.995515695	Thalassiosira_pseudonana	Diatom	GH47_EED91537	Diatom	Thaps	Thaps_EED91537	Thaps_EED91537
GT68	350	EED91579	855	1.90E-14	200	344	639	788	0.411428571	Thalassiosira_pseudonana	Diatom	GT68_EED91579	Diatom	Thaps	Thaps_EED91579	Thaps_EED91579
GT22	389	EED91619	561	1.50E-70	16	389	2	415	0.958868895	Thalassiosira_pseudonana	Diatom	GT22_EED91619	Diatom	Thaps	Thaps_EED91619	Thaps_EED91619
GH109	126	EED91631	355	0.00000028	1	105	9	104	0.825396825	Thalassiosira_pseudonana	Diatom	GH109_EED91631	Diatom	Thaps	Thaps_EED91631	Thaps_EED91631
CBM14	54	EED91657	562	0.0000014	4	54	57	107	0.925925926	Thalassiosira_pseudonana	Diatom	CBM14_EED91657	Diatom	Thaps	Thaps_EED91657	Thaps_EED91657
GT2	168	EED91689	358	1.70E-25	1	115	76	218	0.678571429	Thalassiosira_pseudonana	Diatom	GT2_EED91689	Diatom	Thaps	Thaps_EED91689	Thaps_EED91689
GT90	250	EED91712	148	3.00E-17	135	225	2	93	0.36	Thalassiosira_pseudonana	Diatom	GT90_EED91712	Diatom	Thaps	Thaps_EED91712	Thaps_EED91712
CBM37	62	EED91731	1241	0.000000045	5	61	733	794	0.903225807	Thalassiosira_pseudonana	Diatom	CBM37_EED91731	Diatom	Thaps	Thaps_EED91731	Thaps_EED91731
CE7	313	EED91733	182	0.000000039	174	296	31	161	0.389776358	Thalassiosira_pseudonana	Diatom	CE7_EED91733	Diatom	Thaps	Thaps_EED91733	Thaps_EED91733
GT2	168	EED91765	869	8.40E-17	2	161	281	523	0.946428571	Thalassiosira_pseudonana	Diatom	GT2_EED91765	Diatom	Thaps	Thaps_EED91765	Thaps_EED91765
GT90	250	EED91780	752	4.00E-21	57	231	400	652	0.696	Thalassiosira_pseudonana	Diatom	GT90_EED91780	Diatom	Thaps	Thaps_EED91780	Thaps_EED91780
CE1	227	EED91791	416	0.00000072	21	141	109	247	0.528634361	Thalassiosira_pseudonana	Diatom	CE1_EED91791	Diatom	Thaps	Thaps_EED91791	Thaps_EED91791
GT60	330	EED91807	239	3.60E-65	1	254	9	239	0.766666667	Thalassiosira_pseudonana	Diatom	GT60_EED91807	Diatom	Thaps	Thaps_EED91807	Thaps_EED91807
GT90	250	EED91840	671	4.30E-24	2	243	262	5								

CE10	341	EED91871	341	3.80E-48	93	316	87	320	0.653958944	Thalassiosira_pseudonana	Diatom	CE10_EED91871	Diatom	Thaps	Thaps_EED91871	Thaps_EED91871
GH18	296	EED92008	374	5.90E-66	54	284	11	295	0.777027027	Thalassiosira_pseudonana	Diatom	GH18_EED92008	Diatom	Thaps	Thaps_EED92008	Thaps_EED92008
CE10	341	EED92056	217	1.40E-34	129	335	4	216	0.604105572	Thalassiosira_pseudonana	Diatom	CE10_EED92056	Diatom	Thaps	Thaps_EED92056	Thaps_EED92056
GT68	350	EED92070	1209	1.20E-16	34	347	818	1163	0.894285714	Thalassiosira_pseudonana	Diatom	GT68_EED92070	Diatom	Thaps	Thaps_EED92070	Thaps_EED92070
GT68	350	EED92070	1209	2.40E-12	35	350	278	646	0.9	Thalassiosira_pseudonana	Diatom	GT68_EED92070	Diatom	Thaps	Thaps_EED92070	Thaps_EED92070
GT23	318	EED92074	413	0.000000077	130	279	203	373	0.468553459	Thalassiosira_pseudonana	Diatom	GT23_EED92074	Diatom	Thaps	Thaps_EED92074	Thaps_EED92074
CE1	227	EED92153	300	0.000000075	25	143	33	187	0.519823789	Thalassiosira_pseudonana	Diatom	CE1_EED92153	Diatom	Thaps	Thaps_EED92153	Thaps_EED92153
GH1	429	EED92158	450	2.40E-147	41	428	16	445	0.902097902	Thalassiosira_pseudonana	Diatom	GH1_EED92158	Diatom	Thaps	Thaps_EED92158	Thaps_EED92158
CE1	227	EED92159	294	7.40E-12	14	143	23	189	0.568281938	Thalassiosira_pseudonana	Diatom	CE1_EED92159	Diatom	Thaps	Thaps_EED92159	Thaps_EED92159
CBM14	54	EED92184	174	5.30E-09	14	54	71	111	0.740740741	Thalassiosira_pseudonana	Diatom	CBM14_EED92184	Diatom	Thaps	Thaps_EED92184	Thaps_EED92184
CBM14	54	EED92184	174	0.000000003	16	54	1	41	0.703703704	Thalassiosira_pseudonana	Diatom	CBM14_EED92184	Diatom	Thaps	Thaps_EED92184	Thaps_EED92184
GH18	296	EED92185	357	9.10E-61	10	279	2	357	0.908783784	Thalassiosira_pseudonana	Diatom	GH18_EED92185	Diatom	Thaps	Thaps_EED92185	Thaps_EED92185
CBM14	54	EED92215	511	0.000000006	10	54	361	407	0.814814815	Thalassiosira_pseudonana	Diatom	CBM14_EED92215	Diatom	Thaps	Thaps_EED92215	Thaps_EED92215
AA2	255	EED92218	544	2.70E-21	15	253	133	434	0.933333333	Thalassiosira_pseudonana	Diatom	AA2_EED92218	Diatom	Thaps	Thaps_EED92218	Thaps_EED92218
GT31	192	EED92270	419	0.00000009	67	157	164	235	0.46875	Thalassiosira_pseudonana	Diatom	GT31_EED92270	Diatom	Thaps	Thaps_EED92270	Thaps_EED92270
GT22	389	EED92355	408	4.50E-72	6	367	2	379	0.928020566	Thalassiosira_pseudonana	Diatom	GT22_EED92355	Diatom	Thaps	Thaps_EED92355	Thaps_EED92355
CBM32	124	EED92378	152	0.000000011	11	78	14	85	0.540322581	Thalassiosira_pseudonana	Diatom	CBM32_EED92378	Diatom	Thaps	Thaps_EED92378	Thaps_EED92378
CE1	227	EED92404	863	3.20E-14	9	208	607	824	0.876651982	Thalassiosira_pseudonana	Diatom	CE1_EED92404	Diatom	Thaps	Thaps_EED92404	Thaps_EED92404
CBM14	54	EED92430	791	0.000000083	1	54	88	140	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_EED92430	Diatom	Thaps	Thaps_EED92430	Thaps_EED92430
GT57	481	EED92437	590	4.10E-95	66	479	155	576	0.858627859	Thalassiosira_pseudonana	Diatom	GT57_EED92437	Diatom	Thaps	Thaps_EED92437	Thaps_EED92437
GT77	216	EED92487	561	8.70E-33	2	212	272	486	0.972222222	Thalassiosira_pseudonana	Diatom	GT77_EED92487	Diatom	Thaps	Thaps_EED92487	Thaps_EED92487
GT10	347	EED92495	309	1.30E-50	105	312	93	293	0.596541787	Thalassiosira_pseudonana	Diatom	GT10_EED92495	Diatom	Thaps	Thaps_EED92495	Thaps_EED92495
GT49	337	EED92555	575	6.00E-42	53	311	198	499	0.765578635	Thalassiosira_pseudonana	Diatom	GT49_EED92555	Diatom	Thaps	Thaps_EED92555	Thaps_EED92555
CBM14	54	EED92569	780	0.000076	4	54	75	124	0.925925926	Thalassiosira_pseudonana	Diatom	CBM14_EED92569	Diatom	Thaps	Thaps_EED92569	Thaps_EED92569
GT7	250	EED92610	160	9.50E-50	34	181	1	159	0.588	Thalassiosira_pseudonana	Diatom	GT7_EED92610	Diatom	Thaps	Thaps_EED92610	Thaps_EED92610
CBM14	54	EED92620	1023	0.000000019	6	54	872	918	0.888888889	Thalassiosira_pseudonana	Diatom	CBM14_EED92620	Diatom	Thaps	Thaps_EED92620	Thaps_EED92620
CBM14	54	EED92620	1023	0.000000073	13	54	46	88	0.759259259	Thalassiosira_pseudonana	Diatom	CBM14_EED92620	Diatom	Thaps	Thaps_EED92620	Thaps_EED92620
CBM14	54	EED92620	1023	0.0000014	11	52	792	833	0.759259259	Thalassiosira_pseudonana	Diatom	CBM14_EED92620	Diatom	Thaps	Thaps_EED92620	Thaps_EED92620
GH19	231	EED92620	1023	0.000000031	31	155	154	386	0.536796537	Thalassiosira_pseudonana	Diatom	GH19_EED92620	Diatom	Thaps	Thaps_EED92620	Thaps_EED92620
GH18	296	EED92629	421	2.50E-69	53	285	27	301	0.783783784	Thalassiosira_pseudonana	Diatom	GH18_EED92629	Diatom	Thaps	Thaps_EED92629	Thaps_EED92629
GT8	257	EED92678	366	0.000000033	42	198	94	281	0.607003891	Thalassiosira_pseudonana	Diatom	GT8_EED92678	Diatom	Thaps	Thaps_EED92678	Thaps_EED92678
GT32	90	EED92711	831	2.20E-19	4	88	624	702	0.933333333	Thalassiosira_pseudonana	Diatom	GT32_EED92711	Diatom	Thaps	Thaps_EED92711	Thaps_EED92711
CE1	227	EED92715	208	0.00000058	28	208	3	190	0.792951542	Thalassiosira_pseudonana	Diatom	CE1_EED92715	Diatom	Thaps	Thaps_EED92715	Thaps_EED92715
GT2	168	EED92742	246	9.30E-37	1	166	4	182	0.982142857	Thalassiosira_pseudonana	Diatom	GT2_EED92742	Diatom	Thaps	Thaps_EED92742	Thaps_EED92742
GH18	296	EED92771	392	4.10E-11	38	197	50	322	0.537162162	Thalassiosira_pseudonana	Diatom	GH18_EED92771	Diatom	Thaps	Thaps_EED92771	Thaps_EED92771
CBM14	54	EED92824	374	0.0002	18	47	2	31	0.537037037	Thalassiosira_pseudonana	Diatom	CBM14_EED92824	Diatom	Thaps	Thaps_EED92824	Thaps_EED92824
CBM14	54	EED92824	374	0.00069	15	48	137	171	0.611111111	Thalassiosira_pseudonana	Diatom	CBM14_EED92824	Diatom	Thaps	Thaps_EED92824	Thaps_EED92824
GT2	168	EED92836	323	0.0000064	109	162	2	56	0.315476191	Thalassiosira_pseudonana	Diatom	GT2_EED92836	Diatom	Thaps	Thaps_EED92836	Thaps_EED92836
GH18	296	EED92838	340	3.10E-58	8	279	1	334	0.915540541	Thalassiosira_pseudonana	Diatom	GH18_EED92838	Diatom	Thaps	Thaps_EED92838	Thaps_EED92838
GT92	279	EED92883	415	0.000000014	19	131	137	248	0.401433692	Thalassiosira_pseudonana	Diatom	GT92_EED92883	Diatom	Thaps	Thaps_EED92883	Thaps_EED92883
GT92	279	EED92917	882	2.70E-09	18	134	551	674	0.415770609	Thalassiosira_pseudonana	Diatom	GT92_EED92917	Diatom	Thaps	Thaps_EED92917	Thaps_EED92917
GT2	168	EED92963	839	3.90E-15	1	121	437	609	0.714285714	Thalassiosira_pseudonana	Diatom	GT2_EED92963	Diatom	Thaps	Thaps_EED92963	Thaps_EED92963
GT74	280	EED92963	839	5.90E-29	3	271	63	397	0.957142857	Thalassiosira_pseudonana	Diatom	GT74_EED92963	Diatom	Thaps	Thaps_EED92963	Thaps_EED92963
GH18	296	EED92972	491	5.30E-55	57	285	6	279	0.77027027	Thalassiosira_pseudonana	Diatom	GH18_EED92972	Diatom	Thaps	Thaps_EED92972	Thaps_EED92972
GT4	160	EED92998	760	0.00000001	9	114	447	598	0.65625	Thalassiosira_pseudonana	Diatom	GT4_EED92998	Diatom	Thaps	Thaps_EED92998	Thaps_EED92998
GT31	192	EED93019	271	9.00E-13	55	190	81	201	0.703125	Thalassiosira_pseudonana	Diatom	GT31_EED93019	Diatom	Thaps	Thaps_EED93019	Thaps_EED93019
GT64	248	EED93073	512	0.000000025	1	115	142	279	0.459677419	Thalassiosira_pseudonana	Diatom	GT64_EED93073	Diatom	Thaps	Thaps_EED93073	Thaps_EED93073
GT77	216	EED93076	610	1.40E-29	3	212	323	534	0.967592593	Thalassiosira_pseudonana	Diatom	GT77_EED93076	Diatom	Thaps	Thaps_EED93076	Thaps_EED93076
GH16	189	EED93119	372	3.10E-22	4	189	21	339	0.978835979	Thalassiosira_pseudonana	Diatom	GH16_EED93119	Diatom	Thaps	Thaps_EED93119	Thaps_EED93119
CBM35	123	EED93123	137	0.00000015	77	122	56	105	0.365853659	Thalassiosira_pseudonana	Diatom	CBM35_EED93123	Diatom	Thaps	Thaps_EED93123	Thaps_EED93123
GT8	257	EED93139	472	7.20E-15	37	254	111	407	0.844357977	Thalassiosira_pseudonana	Diatom	GT8_EED93139	Diatom	Thaps	Thaps_EED93139	Thaps_EED93139
GH18	296	EED93145	184	3.80E-46	63	208	1	173	0.489864865	Thalassiosira_pseudonana	Diatom	GH18_EED93145	Diatom	Thaps	Thaps_EED93145	Thaps_EED93145
GH78	504	EED93166	1395	2.10E-66	4	463	627	1212	0.910714286	Thalassiosira_pseudonana	Diatom	GH78_EED93166	Diatom	Thaps	Thaps_EED93166	Thaps_EED93166
GT66	693	EED93170	951	6.50E-135	12	526	29	672	0.741702742	Thalassiosira_pseudonana	Diatom	GT66_EED93170	Diatom	Thaps	Thaps_EED93170	Thaps_EED93170
GH47	446	EED93214	446	5.80E-142	2	446	1	441	0.995515695	Thalassiosira_pseudonana	Diatom	GH47_EED93214	Diatom	Thaps	Thaps_EED93214	Thaps_EED93214
GH47	446	EED93215	445	5.90E-146	2	446	1	441	0.995515695	Thalassiosira_pseudonana	Diatom	GH47_EED93215	Diatom	Thaps	Thaps_EED93215	Thaps_EED93215
GT68	350	EED93268	636	2.40E-14	19	342	197	571	0.922857143	Thalassiosira_pseudonana	Diatom	GT68_EED93268	Diatom	Thaps	Thaps_EED93268	Thaps_EED93268
GT2	168	EED93278	523	2.60E-12	72	162	118	214	0.535714286	Thalassiosira_pseudonana	Diatom	GT2_EED93278	Diatom	Thaps	Thaps_EED93278	Thaps_EED93278
CBM14	54	EED93283	616	0.000000041	14	54	198	238	0.740740741	Thalassiosira_pseudonana	Diatom	CBM14_EED93283	Diatom	Thaps	Thaps_EED93283	Thaps_EED93283
CBM14	54	EED93283	616	0.000000014	6	54	102	152	0.888888889	Thalassiosira_pseudonana	Diatom	CBM14_EED93283	Diatom	Thaps	Thaps_EED93283	Thaps_EED93283
GT2	168	EED93301	322	0.00000663	109	162	2	56	0.315476191	Thalassiosira_pseudonana	Diatom	GT2_EED93301	Diatom	Thaps	Thaps_EED93301	Thaps_EED93301
CBM14	54	EED93304	549	1.40E-11	1	54	58	111	0.981481482	Thalassiosira_pseudonana	Diatom	CBM14_EED93304	Diatom	Thaps	Thaps_EED93304	Thaps_EED93304
GT60	330	EED93315	751	3.50E-72	1	328	391	698	0.990909091	Thalassiosira_pseudonana	Diatom	GT60_EED93315	Diatom	Thaps	Thaps_EED93315	Thaps_EED93315
CE1	227	EED93349	350	5.00E-32	7	217	54	333	0.925110132	Thalassiosira_pseudonana	Diatom	CE1_EED93349	Diatom	Thaps	Thaps_EED93349	Thaps_EED93349
GT96	307	EED93355	505	1.40E-17	3	111	97	220	0.351791531	Thalassiosira_pseudonana	Diatom	GT96_EED93355	Diatom	Thaps	Thaps_EED93355	Thaps_EED93355
GT60	330	EED93424	592	1.70E-69	1	329	222	542	0.993939394	Thalassiosira_pseudonana	Diatom	GT60_EED93424	Diatom	Thaps	Thaps_EED93424	Thaps_EED93424
CE10	341	EED93596	474	3.10E-20	122	313	2	224	0.560117302	Thalassiosira_pseudonana	Diatom	CE10_EED93596	Diatom	Thaps	Thaps_EED93596	Thaps_EED93596
GT15	273	EED93617	289	7.00E-31	95	272	37	206	0.648351648	Thalassiosira_pseudonana	Diatom	GT15_EED93617	Diatom	Thaps	Thaps_EED93617	Thaps_EED93617
GT66	693	EED93659	725	1.30E-119	20	552	4	610	0.767676768	Thalassiosira_pseudonana	Diatom	GT66_EED93659	Diatom	Thaps	Thaps_EED93659	Thaps_EED93659
CBM73	54	EED93667	606	7.30E-13	5	53	539	584	0.888888889	Thalassiosira_pseudonana	Diatom	CBM73_EED93667	Diatom	Thaps	Thaps_EED93667	Thaps_EED93667
CBM73	54	EED93667	606	2.7												

CBM73	54	EED93667	606	1.10E-09	2	53	128	177	0.944444444	Thalassiosira_pseudonana	Diatom	CBM73_EED93667	Diatom	Thaps	Thaps_EED93667	Thaps_EED93667
CBM73	54	EED93667	606	0.0000002	2	44	285	327	0.777777778	Thalassiosira_pseudonana	Diatom	CBM73_EED93667	Diatom	Thaps	Thaps_EED93667	Thaps_EED93667
CBM73	54	EED93667	606	0.00000022	2	45	445	491	0.796296296	Thalassiosira_pseudonana	Diatom	CBM73_EED93667	Diatom	Thaps	Thaps_EED93667	Thaps_EED93667
CE10	341	EED93677	662	2.10E-22	93	316	415	631	0.653958944	Thalassiosira_pseudonana	Diatom	CE10_EED93677	Diatom	Thaps	Thaps_EED93677	Thaps_EED93677
GT92	279	EED93685	1168	9.60E-09	18	191	639	793	0.620071685	Thalassiosira_pseudonana	Diatom	GT92_EED93685	Diatom	Thaps	Thaps_EED93685	Thaps_EED93685
AA2	255	EED93688	513	4.80E-19	9	221	199	423	0.831372549	Thalassiosira_pseudonana	Diatom	AA2_EED93688	Diatom	Thaps	Thaps_EED93688	Thaps_EED93688
GH78	504	EED93707	1220	2.10E-66	28	500	594	1178	0.936507937	Thalassiosira_pseudonana	Diatom	GH78_EED93707	Diatom	Thaps	Thaps_EED93707	Thaps_EED93707
GT22	389	EED93788	569	4.40E-76	3	389	16	438	0.992287918	Thalassiosira_pseudonana	Diatom	GT22_EED93788	Diatom	Thaps	Thaps_EED93788	Thaps_EED93788
GT32	90	EED93834	248	0.0000016	3	71	157	231	0.755555556	Thalassiosira_pseudonana	Diatom	GT32_EED93834	Diatom	Thaps	Thaps_EED93834	Thaps_EED93834
CBM18	38	EED93871	588	0.00000011	16	38	2	24	0.578947368	Thalassiosira_pseudonana	Diatom	CBM18_EED93871	Diatom	Thaps	Thaps_EED93871	Thaps_EED93871
GH19	231	EED93871	588	2.60E-10	29	158	269	521	0.558441558	Thalassiosira_pseudonana	Diatom	GH19_EED93871	Diatom	Thaps	Thaps_EED93871	Thaps_EED93871
GT60	330	EED93874	328	2.00E-73	1	329	1	320	0.993939394	Thalassiosira_pseudonana	Diatom	GT60_EED93874	Diatom	Thaps	Thaps_EED93874	Thaps_EED93874
GT15	273	EED93880	394	1.40E-29	16	272	78	319	0.937728938	Thalassiosira_pseudonana	Diatom	GT15_EED93880	Diatom	Thaps	Thaps_EED93880	Thaps_EED93880
GT20	475	EED93919	785	4.20E-129	14	474	4	476	0.968421053	Thalassiosira_pseudonana	Diatom	GT20_EED93919	Diatom	Thaps	Thaps_EED93919	Thaps_EED93919
GT60	330	EED93959	540	1.10E-57	1	329	36	392	0.993939394	Thalassiosira_pseudonana	Diatom	GT60_EED93959	Diatom	Thaps	Thaps_EED93959	Thaps_EED93959
CBM73	54	EED94079	1278	1.20E-12	19	53	304	335	0.62962963	Thalassiosira_pseudonana	Diatom	CBM73_EED94079	Diatom	Thaps	Thaps_EED94079	Thaps_EED94079
CBM37	62	EED94082	1435	0.00037	7	59	705	762	0.838709677	Thalassiosira_pseudonana	Diatom	CBM37_EED94082	Diatom	Thaps	Thaps_EED94082	Thaps_EED94082
GH16	189	EED94092	648	1.60E-24	4	189	92	438	0.978835979	Thalassiosira_pseudonana	Diatom	GH16_EED94092	Diatom	Thaps	Thaps_EED94092	Thaps_EED94092
AA2	255	EED94101	865	5.50E-16	24	219	241	448	0.764705882	Thalassiosira_pseudonana	Diatom	AA2_EED94101	Diatom	Thaps	Thaps_EED94101	Thaps_EED94101
AA2	255	EED94102	702	2.10E-17	8	221	377	605	0.835294118	Thalassiosira_pseudonana	Diatom	AA2_EED94102	Diatom	Thaps	Thaps_EED94102	Thaps_EED94102
GH18	296	EED94122	334	6.60E-58	8	265	1	332	0.868243243	Thalassiosira_pseudonana	Diatom	GH18_EED94122	Diatom	Thaps	Thaps_EED94122	Thaps_EED94122
GT90	250	EED94143	618	2.20E-33	36	248	371	585	0.848	Thalassiosira_pseudonana	Diatom	GT90_EED94143	Diatom	Thaps	Thaps_EED94143	Thaps_EED94143
AA2	255	EED94199	356	1.10E-21	13	224	43	264	0.82745098	Thalassiosira_pseudonana	Diatom	AA2_EED94199	Diatom	Thaps	Thaps_EED94199	Thaps_EED94199
CBM67	176	EED94208	1252	0.00000029	27	153	343	495	0.715909091	Thalassiosira_pseudonana	Diatom	CBM67_EED94208	Diatom	Thaps	Thaps_EED94208	Thaps_EED94208
GH78	504	EED94208	1252	1.80E-69	28	483	628	1182	0.902777778	Thalassiosira_pseudonana	Diatom	GH78_EED94208	Diatom	Thaps	Thaps_EED94208	Thaps_EED94208
GT92	279	EED94288	782	0.000000031	18	130	453	599	0.401433692	Thalassiosira_pseudonana	Diatom	GT92_EED94288	Diatom	Thaps	Thaps_EED94288	Thaps_EED94288
GT23	318	EED94373	1670	0.000000014	130	276	239	406	0.459119497	Thalassiosira_pseudonana	Diatom	GT23_EED94373	Diatom	Thaps	Thaps_EED94373	Thaps_EED94373
GH18	296	EED94417	269	9.20E-62	63	277	1	268	0.722972973	Thalassiosira_pseudonana	Diatom	GH18_EED94417	Diatom	Thaps	Thaps_EED94417	Thaps_EED94417
GT8	257	EED94439	657	0.00000062	113	254	344	570	0.548638132	Thalassiosira_pseudonana	Diatom	GT8_EED94439	Diatom	Thaps	Thaps_EED94439	Thaps_EED94439
AA7	458	EED94444	618	2.20E-13	21	200	112	294	0.390829694	Thalassiosira_pseudonana	Diatom	AA7_EED94444	Diatom	Thaps	Thaps_EED94444	Thaps_EED94444
CE1	227	EED94449	664	2.60E-43	3	223	26	263	0.969162996	Thalassiosira_pseudonana	Diatom	CE1_EED94449	Diatom	Thaps	Thaps_EED94449	Thaps_EED94449
CBM18	38	EED94480	1571	0.000078	5	37	1223	1256	0.842105263	Thalassiosira_pseudonana	Diatom	CBM18_EED94480	Diatom	Thaps	Thaps_EED94480	Thaps_EED94480
GT32	90	EED94566	107	1.20E-20	4	86	29	106	0.911111111	Thalassiosira_pseudonana	Diatom	GT32_EED94566	Diatom	Thaps	Thaps_EED94566	Thaps_EED94566
GT27	295	EED94725	253	5.80E-58	1	227	16	251	0.766101695	Thalassiosira_pseudonana	Diatom	GT27_EED94725	Diatom	Thaps	Thaps_EED94725	Thaps_EED94725
GH109	126	EED94759	413	0.000000086	11	110	2	100	0.785714286	Thalassiosira_pseudonana	Diatom	GH109_EED94759	Diatom	Thaps	Thaps_EED94759	Thaps_EED94759
CBM43	83	EED94784	499	0.000045	2	73	429	497	0.855421687	Thalassiosira_pseudonana	Diatom	CBM43_EED94784	Diatom	Thaps	Thaps_EED94784	Thaps_EED94784
GH5	275	EED94784	499	7.30E-31	27	219	18	296	0.698181818	Thalassiosira_pseudonana	Diatom	GH5_EED94784	Diatom	Thaps	Thaps_EED94784	Thaps_EED94784
GH19	231	EED94844	343	6.60E-37	7	218	56	310	0.913419913	Thalassiosira_pseudonana	Diatom	GH19_EED94844	Diatom	Thaps	Thaps_EED94844	Thaps_EED94844
GT60	330	EED94954	252	2.60E-68	1	256	3	243	0.772727273	Thalassiosira_pseudonana	Diatom	GT60_EED94954	Diatom	Thaps	Thaps_EED94954	Thaps_EED94954
CE10	341	EED95044	282	3.90E-15	72	276	12	227	0.598240469	Thalassiosira_pseudonana	Diatom	CE10_EED95044	Diatom	Thaps	Thaps_EED95044	Thaps_EED95044
GT32	90	EED95055	349	0.000000014	6	82	129	204	0.844444444	Thalassiosira_pseudonana	Diatom	GT32_EED95055	Diatom	Thaps	Thaps_EED95055	Thaps_EED95055
GH16	189	EED95068	495	2.90E-18	50	176	168	446	0.666666667	Thalassiosira_pseudonana	Diatom	GH16_EED95068	Diatom	Thaps	Thaps_EED95068	Thaps_EED95068
GT68	350	EED95171	593	2.40E-11	34	327	228	568	0.837142857	Thalassiosira_pseudonana	Diatom	GT68_EED95171	Diatom	Thaps	Thaps_EED95171	Thaps_EED95171
GT68	350	EED95183	610	6.90E-14	194	340	409	553	0.417142857	Thalassiosira_pseudonana	Diatom	GT68_EED95183	Diatom	Thaps	Thaps_EED95183	Thaps_EED95183
GT68	350	EED95339	1777	2.40E-15	19	346	386	760	0.934285714	Thalassiosira_pseudonana	Diatom	GT68_EED95339	Diatom	Thaps	Thaps_EED95339	Thaps_EED95339
GT68	350	EED95339	1777	2.20E-12	34	348	928	1271	0.897142857	Thalassiosira_pseudonana	Diatom	GT68_EED95339	Diatom	Thaps	Thaps_EED95339	Thaps_EED95339
GT96	307	EED95339	1777	5.40E-10	24	228	1432	1672	0.664495114	Thalassiosira_pseudonana	Diatom	GT96_EED95339	Diatom	Thaps	Thaps_EED95339	Thaps_EED95339
GH26	303	EED95341	502	3.20E-13	126	274	169	331	0.488448845	Thalassiosira_pseudonana	Diatom	GH26_EED95341	Diatom	Thaps	Thaps_EED95341	Thaps_EED95341
GT20	475	EED95365	775	1.90E-121	14	474	2	479	0.968421053	Thalassiosira_pseudonana	Diatom	GT20_EED95365	Diatom	Thaps	Thaps_EED95365	Thaps_EED95365
CE12	210	EED95405	220	4.50E-20	1	209	5	217	0.990476191	Thalassiosira_pseudonana	Diatom	CE12_EED95405	Diatom	Thaps	Thaps_EED95405	Thaps_EED95405
GH36	688	EED95420	330	3.60E-51	297	529	8	235	0.337209302	Thalassiosira_pseudonana	Diatom	GH36_EED95420	Diatom	Thaps	Thaps_EED95420	Thaps_EED95420
GH18	296	EED95478	570	1.40E-32	129	282	179	349	0.516891892	Thalassiosira_pseudonana	Diatom	GH18_EED95478	Diatom	Thaps	Thaps_EED95478	Thaps_EED95478
CBM47	128	EED95573	4505	7.40E-13	8	75	4146	4216	0.5234375	Thalassiosira_pseudonana	Diatom	CBM47_EED95573	Diatom	Thaps	Thaps_EED95573	Thaps_EED95573
CBM47	128	EED95573	4505	5.10E-09	8	128	3993	4117	0.9375	Thalassiosira_pseudonana	Diatom	CBM47_EED95573	Diatom	Thaps	Thaps_EED95573	Thaps_EED95573
GH109	126	EED95667	405	1.20E-12	1	124	11	125	0.976190476	Thalassiosira_pseudonana	Diatom	GH109_EED95667	Diatom	Thaps	Thaps_EED95667	Thaps_EED95667
CBM73	54	EED95741	496	0.00088	5	36	40	70	0.574074074	Thalassiosira_pseudonana	Diatom	CBM73_EED95741	Diatom	Thaps	Thaps_EED95741	Thaps_EED95741
GT4	160	EED95793	450	2.10E-31	6	152	193	337	0.9125	Thalassiosira_pseudonana	Diatom	GT4_EED95793	Diatom	Thaps	Thaps_EED95793	Thaps_EED95793
GT20	475	EED95914	830	1.50E-110	10	474	20	506	0.976842105	Thalassiosira_pseudonana	Diatom	GT20_EED95914	Diatom	Thaps	Thaps_EED95914	Thaps_EED95914
GH81	622	EED95926	1274	1.60E-77	338	620	931	1253	0.453376206	Thalassiosira_pseudonana	Diatom	GH81_EED95926	Diatom	Thaps	Thaps_EED95926	Thaps_EED95926
GH81	622	EED95926	1274	1.90E-17	16	206	366	672	0.305466238	Thalassiosira_pseudonana	Diatom	GH81_EED95926	Diatom	Thaps	Thaps_EED95926	Thaps_EED95926
AA6	195	EED95941	688	1.30E-17	2	140	332	462	0.707692308	Thalassiosira_pseudonana	Diatom	AA6_EED95941	Diatom	Thaps	Thaps_EED95941	Thaps_EED95941
CE1	227	EED95981	453	0.000000042	13	203	158	401	0.837004405	Thalassiosira_pseudonana	Diatom	CE1_EED95981	Diatom	Thaps	Thaps_EED95981	Thaps_EED95981
GT92	279	EED95983	1013	1.80E-22	2	105	688	795	0.369175627	Thalassiosira_pseudonana	Diatom	GT92_EED95983	Diatom	Thaps	Thaps_EED95983	Thaps_EED95983
GT32	90	EED96132	866	1.80E-18	8	87	566	639	0.877777778	Thalassiosira_pseudonana	Diatom	GT32_EED96132	Diatom	Thaps	Thaps_EED96132	Thaps_EED96132
GT17	284	EED96182	553	1.10E-09	40	148	204	317	0.38028169	Thalassiosira_pseudonana	Diatom	GT17_EED96182	Diatom	Thaps	Thaps_EED96182	Thaps_EED96182
GT28	157	EED96213	283	0.000000077	30	107	107	184	0.49044586	Thalassiosira_pseudonana	Diatom	GT28_EED96213	Diatom	Thaps	Thaps_EED96213	Thaps_EED96213
GT2	168	EED96231	589	0.0000031	2	103	13	180	0.601190476	Thalassiosira_pseudonana	Diatom	GT2_EED96231	Diatom	Thaps	Thaps_EED96231	Thaps_EED96231
GT92	279	EED96247	959	3.80E-14	16	192	574	777	0.630824373	Thalassiosira_pseudonana	Diatom	GT92_EED96247	Diatom	Thaps	Thaps_EED96247	Thaps_EED96247
GH109	126	EED96252	443	3.10E-12	1	124	46	160	0.976190476	Thalassiosira_pseudonana	Diatom	GH109_EED96252	Diatom	Thaps	Thaps_EED96252	Thaps_EED96252
GT49	337	EED96265	378	6.70E-58	56	331	23	363	0.816023739	Thalassiosira_pseudonana	Diatom	GT49_EED96265	Diatom	Thaps	Thaps_EED96265	Thaps_EED96265
GT13	395</															

GH47	446	EED96557	450	6.20E-109	1	445	16	446	0.995515695	Thalassiosira_pseudonana	Diatom	GH47_EED96557	Diatom	Thaps	Thaps_EED96557	Thaps_EED96557
GT31	292	EED96677	256	8.00E-13	53	191	50	182	0.71875	Thalassiosira_pseudonana	Diatom	GT31_EED96677	Diatom	Thaps	Thaps_EED96677	Thaps_EED96677
GT47	196	EED96714	403	8.30E-17	36	285	31	304	0.841216216	Thalassiosira_pseudonana	Diatom	GT47_EED96714	Diatom	Thaps	Thaps_EED96714	Thaps_EED96714
CBM73	54	EED96749	618	0.000014	2	43	186	226	0.759259259	Thalassiosira_pseudonana	Diatom	CBM73_EED96749	Diatom	Thaps	Thaps_EED96749	Thaps_EED96749
CBM13	188	maker-pag1_scaffold_1002-snap-gene-0.2-mRNA-1	180	4.70E-09	37	121	89	179	0.446808511	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_1002-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_110020201	pyap_110020201
CBM13	188	maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	700	4.20E-17	12	137	99	230	0.664893617	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11002031	pyap_11002031
CBM13	188	maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	700	5.50E-09	9	100	343	447	0.484042553	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11002031	pyap_11002031
CBM13	188	maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	700	0.000000017	55	136	256	339	0.430851064	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_1002-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11002031	pyap_11002031
GH81	622	maker-pag1_scaffold_1007-snap-gene-0.2-mRNA-1	928	5.20E-108	337	621	250	542	0.45659164	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_1007-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11007021	pyap_11007021_secreted
CBM63	78	maker-pag1_scaffold_1014-snap-gene-0.2-mRNA-1	437	0.000000048	2	74	150	223	0.923076923	Pythium_aphanidermatum	Pythium	CBM63_maker-pag1_scaffold_1014-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11014021	pyap_11014021
GT71	264	maker-pag1_scaffold_1020-fgenesh-gene-0.0-mRNA-1	429	5.80E-49	2	264	105	322	0.992424242	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_1020-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11020001	pyap_11020001
AA7	458	maker-pag1_scaffold_1025-snap-gene-0.8-mRNA-1	332	8.70E-79	4	230	59	290	0.493449782	Pythium_aphanidermatum	Pythium	AA7_maker-pag1_scaffold_1025-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_11025081	pyap_11025081
AA8	815	maker-pag1_scaffold_1044-fgenesh-gene-0.0-mRNA-1	1432	1.40E-79	233	792	14	574	0.685889571	Pythium_aphanidermatum	Pythium	AA8_maker-pag1_scaffold_1044-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11044001	pyap_11044001_secreted
CBM47	128	maker-pag1_scaffold_105-snap-gene-0.36-mRNA-1	1361	1.50E-19	7	128	1011	1149	0.9453125	Pythium_aphanidermatum	Pythium	CBM47_maker-pag1_scaffold_105-snap-gene-0.36-mRNA-1	Oomycete	pyap	pyap_11050361	pyap_11050361
AA7	458	maker-pag1_scaffold_1054-snap-gene-0.5-mRNA-1	637	1.60E-14	4	195	168	377	0.417030568	Pythium_aphanidermatum	Pythium	AA7_maker-pag1_scaffold_1054-snap-gene-0.5-mRNA-1	Oomycete	pyap	pyap_110504051	pyap_110504051
PL3	197	maker-pag1_scaffold_1055-snap-gene-0.2-mRNA-1	184	6.60E-29	96	193	37	138	0.492385787	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1055-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11055021	pyap_11055021
AA6	195	maker-pag1_scaffold_1057-fgenesh-gene-0.0-mRNA-1	199	1.90E-85	1	195	3	196	0.994871795	Pythium_aphanidermatum	Pythium	AA6_maker-pag1_scaffold_1057-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11057001	pyap_11057001
AA6	195	maker-pag1_scaffold_1057-fgenesh-gene-0.1-mRNA-1	258	5.70E-86	1	195	64	257	0.994871795	Pythium_aphanidermatum	Pythium	AA6_maker-pag1_scaffold_1057-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11057011	pyap_11057011
GH7	415	maker-pag1_scaffold_1059-fgenesh-gene-0.0-mRNA-1	460	1.20E-189	1	414	21	459	0.995180723	Pythium_aphanidermatum	Pythium	GH7_maker-pag1_scaffold_1059-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11059001	pyap_11059001_secreted
AA6	195	snap_masked-pag1_scaffold_106-abinit-gene-0.71-mRNA-1	250	8.90E-19	4	140	65	181	0.697435897	Pythium_aphanidermatum	Pythium	AA6_snap_masked-pag1_scaffold_106-abinit-gene-0.71-mRNA-1	Oomycete	pyap	pyap_11060711	pyap_11060711
GH17	311	maker-pag1_scaffold_1087-fgenesh-gene-0.1-mRNA-1	723	2.80E-19	13	290	28	262	0.890675241	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_1087-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11087011	pyap_11087011_secreted
CE1	227	maker-pag1_scaffold_1088-fgenesh-gene-0.1-mRNA-1	345	0.0000084	27	194	69	306	0.735682819	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_1088-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11088011	pyap_11088011
GH114	190	maker-pag1_scaffold_1090-snap-gene-0.0-mRNA-1	94	1.30E-36	17	109	1	93	0.484210526	Pythium_aphanidermatum	Pythium	GH114_maker-pag1_scaffold_1090-snap-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11090001	pyap_11090001
GH5	275	maker-pag1_scaffold_11-snap-gene-0.23-mRNA-1	379	3.50E-31	12	237	3	332	0.818181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_11-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_1110231	pyap_1110231
GT22	389	maker-pag1_scaffold_111-snap-gene-0.25-mRNA-1	536	1.50E-42	189	389	200	421	0.514138818	Pythium_aphanidermatum	Pythium	GT22_maker-pag1_scaffold_111-snap-gene-0.25-mRNA-1	Oomycete	pyap	pyap_11110251	pyap_11110251
GT22	389	maker-pag1_scaffold_111-snap-gene-0.25-mRNA-1	536	3.80E-38	3	153	37	202	0.385604113	Pythium_aphanidermatum	Pythium	GT22_maker-pag1_scaffold_111-snap-gene-0.25-mRNA-1	Oomycete	pyap	pyap_11110251	pyap_11110251
GT2	168	maker-pag1_scaffold_111-fgenesh-gene-0.4-mRNA-1	242	2.80E-45	1	168	10	180	0.994047619	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_111-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1111041	pyap_1111041
CBM32	124	maker-pag1_scaffold_111-fgenesh-gene-0.7-mRNA-1	231	3.80E-12	14	110	55	172	0.774193548	Pythium_aphanidermatum	Pythium	CBM32_maker-pag1_scaffold_111-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1111071	pyap_1111071_secreted
GH7	415	maker-pag1_scaffold_1111-snap-gene-0.4-mRNA-1	456	8.80E-191	1	414	15	455	0.995180723	Pythium_aphanidermatum	Pythium	GH7_maker-pag1_scaffold_1111-snap-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1111041	pyap_1111041
CE10	341	maker-pag1_scaffold_1118-snap-gene-0.1-mRNA-1	544	9.20E-14	147	325	353	513	0.521994135	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_1118-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11118011	pyap_11118011
GH3	216	maker-pag1_scaffold_11-snap-gene-1.8-mRNA-1	778	1.40E-59	4	214	72	318	0.972222222	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_11-snap-gene-1.8-mRNA-1	Oomycete	pyap	pyap_111181	pyap_111181_secreted
GT8	257	maker-pag1_scaffold_1120-fgenesh-gene-0.0-mRNA-1	589	2.60E-16	117	199	34	105	0.319066148	Pythium_aphanidermatum	Pythium	GT8_maker-pag1_scaffold_1120-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11120001	pyap_11120001
PL3	197	maker-pag1_scaffold_1120-fgenesh-gene-0.1-mRNA-1	276	1.90E-67	2	193	31	228	0.969543147	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1120-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11120011	pyap_11120011_secreted
GH28	325	maker-pag1_scaffold_1122-fgenesh-gene-0.0-mRNA-1	362	7.80E-65	5	317	45	361	0.96	Pythium_aphanidermatum	Pythium	GH28_maker-pag1_scaffold_1122-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11122001	pyap_11122001_secreted
AA9	220	maker-pag1_scaffold_1129-fgenesh-gene-0.2-mRNA-1	336	7.80E-10	53	198	40	191	0.659090909	Pythium_aphanidermatum	Pythium	AA9_maker-pag1_scaffold_1129-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11129021	pyap_11129021_secreted
GH3	216	maker-pag1_scaffold_1140-fgenesh-gene-0.0-mRNA-1	483	1.20E-65	5	215	115	336	0.972222222	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_1140-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11140001	pyap_11140001_secreted
GH3	216	maker-pag1_scaffold_1140-snap-gene-0.3-mRNA-1	776	2.90E-64	2	195	115	336	0.972222222	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_1140-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11140031	pyap_11140031_secreted
PL3	197	maker-pag1_scaffold_114-fgenesh-gene-0.13-mRNA-1	276	7.40E-68	2	213	31	229	0.969543147	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_114-fgenesh-gene-0.13-mRNA-1	Oomycete	pyap	pyap_11140131	pyap_11140131_secreted
GT76	407	maker-pag1_scaffold_114-snap-gene-0.18-mRNA-1	410	3.80E-85	1	407	14	410	0.997542998	Pythium_aphanidermatum	Pythium	GT76_maker-pag1_scaffold_114-snap-gene-0.18-mRNA-1	Oomycete	pyap	pyap_11140181	pyap_11140181
CBM13	188	maker-pag1_scaffold_1146-fgenesh-gene-0.1-mRNA-1	423	0.0000074	7	130	88	210	0.654255319	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_1146-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11146011	pyap_11146011_secreted
GT71	264	maker-pag1_scaffold_1170-fgenesh-gene-0.0-mRNA-1	611	2.40E-52	2	264	280	508	0.992424242	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_1170-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11170001	pyap_11170001
GH28	325	maker-pag1_scaffold_118-snap-gene-0.21-mRNA-1	212	1.50E-38	133	309	11	200	0.541538462	Pythium_aphanidermatum	Pythium	GH28_maker-pag1_scaffold_118-snap-gene-0.21-mRNA-1	Oomycete	pyap	pyap_11180211	pyap_11180211
CE10	341	maker-pag1_scaffold_1185-fgenesh-gene-0.0-mRNA-1	446	5.30E-33	81	332	180	431	0.736070381	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_1185-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11185001	pyap_11185001
CE10	341	maker-pag1_scaffold_1185-snap-gene-0.3-mRNA-1	432	1.30E-30	85	335	166	426	0.73313783	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_1185-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11185031	pyap_11185031
CE10	341	maker-pag1_scaffold_1185-snap-gene-0.4-mRNA-1	296	2.20E-29	127	316	96	275	0.554252199	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_1185-snap-gene-0.4-mRNA-1	Oomycete	pyap	pyap_11185041	pyap_11185041
AA6	195	maker-pag1_scaffold_1218-fgenesh-gene-0.2-mRNA-1	200	3.90E-86	1	195	3	197	0.994871795	Pythium_aphanidermatum	Pythium	AA6_maker-pag1_scaffold_1218-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11218021	pyap_11218021
GT26	171	maker-pag1_scaffold_122-snap-gene-0.23-mRNA-1	321	0.00038	38	103	68	132	0.380116959	Pythium_aphanidermatum	Pythium	GT26_maker-pag1_scaffold_122-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_11220231	pyap_11220231
CBM13	188	maker-pag1_scaffold_122-snap-gene-0.25-mRNA-1	317	9.40E-14	13	113	210	312	0.531914894	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_122-snap-gene-0.25-mRNA-1	Oomycete	pyap	pyap_11220251	pyap_11220251
CBM13	188	maker-pag1_scaffold_122-snap-gene-0.25-mRNA-1	317	5.10E-12	38	135	88	187	0.515957447	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_122-snap-gene-0.25-mRNA-1	Oomycete	pyap	pyap_11220251	pyap_11220251
PL1	202	maker-pag1_scaffold_1226-fgenesh-gene-0.0-mRNA-1	192	3.20E-29	22	167	14	171	0.717821782	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_1226-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11226001	pyap_11226001
GH81	622	maker-pag1_scaffold_123-snap-gene-0.35-mRNA-1	1081	4.30E-148	11	622	73	731	0.982315113	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_123-snap-gene-0.35-mRNA-1	Oomycete	pyap	pyap_11230351	pyap_11230351
CBM63	78	maker-pag1_scaffold_1236-snap-gene-0.2-mRNA-1	157	0.00042	5	50	90	137	0.576923077	Pythium_aphanidermatum	Pythium	CBM63_maker-pag1_scaffold_1236-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11236021	pyap_11236021
GH37	491	snap_masked-pag1_scaffold_124-abinit-gene-0.46-mRNA-1	669	1.50E-148	101	489	237	661	0.790224033	Pythium_aphanidermatum	Pythium	GH37_snap_masked-pag1_scaffold_124-abinit-gene-0.46-mRNA-1	Oomycete	pyap	pyap_11240461	pyap_11240461
CBM20	90	snap_masked-pag1_scaffold_124-abinit-gene-0.54-mRNA-1	1124	2.50E-09	2	86	82	169	0.933333333	Pythium_aphanidermatum	Pythium	CBM20_snap_masked-pag1_scaffold_124-abinit-gene-0.54-mRNA-1	Oomycete	pyap	pyap_11240541	pyap_11240541
GT20	475	snap_masked-pag1_scaffold_124-abinit-gene-0.54-mRNA-1	1124	1.60E-132	11	474	257	755	0.974736842	Pythium_aphanidermatum	Pythium	GT20_snap_masked-pag1_scaffold_124-abinit-gene-0.54-mRNA-1	Oomycete	pyap	pyap_11240541	pyap_11240541
GT31	192	maker-pag1_scaffold_125-fgenesh-gene-0.13-mRNA-1	974	5.70E-36	2	191	594	810	0.984375	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_125-fgenesh-gene-0.13-mRNA-1	Oomycete	pyap	pyap_11250131	pyap_11250131
GT71	264	maker-pag1_scaffold_125-snap-gene-0.36-mRNA-1	527	2.20E-30	1	264	211	439	0.996212121	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_125-snap-gene-0.36-mRNA-1	Oomycete	pyap	pyap_11250361	pyap_11250361_secreted
GT31	192	maker-pag1_scaffold_125-snap-gene-0.37-mRNA-1	739	2.20E-35	2	185	65	262	0.953125	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_125-snap-gene-0.37-mRNA-1				

GH72	312	maker-pag1_scaffold_1345-fgenesh-gene-0.0-mRNA-1	690	1.70E-81	5	284	176	478	0.894230769	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_1345-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11345001	pyap_11345001_secretred
CE12	210	maker-pag1_scaffold_135-snap-gene-0.27-mRNA-1	277	6.50E-15	2	166	49	229	0.780952381	Pythium_aphanidermatum	Pythium	CE12_maker-pag1_scaffold_135-snap-gene-0.27-mRNA-1	Oomycete	pyap	pyap_11350271	pyap_11350271
PL3	197	maker-pag1_scaffold_1356-fgenesh-gene-0.0-mRNA-1	304	3.30E-63	5	192	44	240	0.949238579	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1356-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11356001	pyap_11356001_secretred
GT4	160	maker-pag1_scaffold_136-snap-gene-0.26-mRNA-1	1378	0.00000014	19	117	1185	1296	0.6125	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_136-snap-gene-0.26-mRNA-1	Oomycete	pyap	pyap_11360261	pyap_11360261
GT41	705	maker-pag1_scaffold_136-snap-gene-0.26-mRNA-1	1378	7.90E-117	57	525	66	742	0.663829787	Pythium_aphanidermatum	Pythium	GT41_maker-pag1_scaffold_136-snap-gene-0.26-mRNA-1	Oomycete	pyap	pyap_11360261	pyap_11360261
GH3	216	maker-pag1_scaffold_137-snap-gene-0.20-mRNA-1	656	1.80E-62	6	201	4	205	0.902777778	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_137-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_11370201	pyap_11370201
PL3	197	maker-pag1_scaffold_139-snap-gene-0.20-mRNA-1	128	7.60E-37	3	95	33	127	0.467005076	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_139-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_11390201	pyap_11390201_secretred
GT41	705	maker-pag1_scaffold_14-snap-gene-0.71-mRNA-1	806	2.30E-104	92	521	117	788	0.608510638	Pythium_aphanidermatum	Pythium	GT41_maker-pag1_scaffold_14-snap-gene-0.71-mRNA-1	Oomycete	pyap	pyap_1140711	pyap_1140711
CE1	227	maker-pag1_scaffold_1411-snap-gene-0.1-mRNA-1	268	0.000000082	28	175	31	179	0.647577093	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_1411-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11411011	pyap_11411011
GH78	504	maker-pag1_scaffold_143-snap-gene-0.18-mRNA-1	563	4.10E-45	162	503	139	511	0.676587302	Pythium_aphanidermatum	Pythium	GH78_maker-pag1_scaffold_143-snap-gene-0.18-mRNA-1	Oomycete	pyap	pyap_11430181	pyap_11430181_secretred
CBM43	83	maker-pag1_scaffold_143-snap-gene-0.34-mRNA-1	637	1.40E-16	1	76	505	576	0.903614458	Pythium_aphanidermatum	Pythium	CBM43_maker-pag1_scaffold_143-snap-gene-0.34-mRNA-1	Oomycete	pyap	pyap_11430341	pyap_11430341
GH5	275	maker-pag1_scaffold_143-snap-gene-0.34-mRNA-1	637	6.70E-35	27	219	90	367	0.698181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_143-snap-gene-0.34-mRNA-1	Oomycete	pyap	pyap_11430341	pyap_11430341
GT60	330	fgenesh_masked-pag1_scaffold_144-abinit-gene-0.88-mRNA-1	930	1.30E-58	1	330	65	379	0.996969697	Pythium_aphanidermatum	Pythium	GT60_fgenesh_masked-pag1_scaffold_144-abinit-gene-0.88-mRNA-1	Oomycete	pyap	pyap_11440881	pyap_11440881
GT4	160	maker-pag1_scaffold_145-fgenesh-gene-0.12-mRNA-1	477	3.70E-17	7	127	245	380	0.75	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_145-fgenesh-gene-0.12-mRNA-1	Oomycete	pyap	pyap_11450121	pyap_11450121
AA6	195	maker-pag1_scaffold_1451-fgenesh-gene-0.0-mRNA-1	200	1.50E-85	1	195	3	197	0.994871795	Pythium_aphanidermatum	Pythium	AA6_maker-pag1_scaffold_1451-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11451001	pyap_11451001
AA6	195	maker-pag1_scaffold_1451-fgenesh-gene-0.1-mRNA-1	200	1.60E-87	1	195	3	197	0.994871795	Pythium_aphanidermatum	Pythium	AA6_maker-pag1_scaffold_1451-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11451011	pyap_11451011
GT48	739	maker-pag1_scaffold_146-fgenesh-gene-0.12-mRNA-1	2211	2.90E-274	2	720	841	1591	0.971583221	Pythium_aphanidermatum	Pythium	GT48_maker-pag1_scaffold_146-fgenesh-gene-0.12-mRNA-1	Oomycete	pyap	pyap_11460121	pyap_11460121
GH72	312	maker-pag1_scaffold_1480-snap-gene-0.1-mRNA-1	515	6.0E-73	5	285	28	336	0.897435897	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_1480-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11480011	pyap_11480011_secretred
CBM25	78	maker-pag1_scaffold_149-snap-gene-0.23-mRNA-1	822	0.000000002	3	72	38	110	0.884615385	Pythium_aphanidermatum	Pythium	CBM25_maker-pag1_scaffold_149-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_11490231	pyap_11490231_secretred
GH31	427	maker-pag1_scaffold_149-snap-gene-0.23-mRNA-1	822	6.80E-104	135	427	331	688	0.683840749	Pythium_aphanidermatum	Pythium	GH31_maker-pag1_scaffold_149-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_11490231	pyap_11490231_secretred
CBM25	78	maker-pag1_scaffold_149-snap-gene-0.24-mRNA-1	1000	1.50E-14	12	77	44	115	0.833333333	Pythium_aphanidermatum	Pythium	CBM25_maker-pag1_scaffold_149-snap-gene-0.24-mRNA-1	Oomycete	pyap	pyap_11490241	pyap_11490241_secretred
GH31	427	maker-pag1_scaffold_149-snap-gene-0.24-mRNA-1	1000	8.80E-149	3	427	373	862	0.992974239	Pythium_aphanidermatum	Pythium	GH31_maker-pag1_scaffold_149-snap-gene-0.24-mRNA-1	Oomycete	pyap	pyap_11490241	pyap_11490241_secretred
CE12	210	maker-pag1_scaffold_152-fgenesh-gene-0.0-mRNA-1	1289	1.30E-13	2	161	1059	1236	0.757142857	Pythium_aphanidermatum	Pythium	CE12_maker-pag1_scaffold_152-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1152001	pyap_1152001
GH31	427	maker-pag1_scaffold_155-snap-gene-0.13-mRNA-1	963	1.00E-136	2	427	391	833	0.995316159	Pythium_aphanidermatum	Pythium	GH31_maker-pag1_scaffold_155-snap-gene-0.13-mRNA-1	Oomycete	pyap	pyap_11550131	pyap_11550131_secretred
GH72	312	maker-pag1_scaffold_1576-snap-gene-0.2-mRNA-1	525	9.20E-72	5	285	26	334	0.897435897	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_1576-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11576021	pyap_11576021_secretred
PL1	202	maker-pag1_scaffold_1591-fgenesh-gene-0.0-mRNA-1	398	5.70E-44	21	201	116	315	0.891089109	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_1591-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11591001	pyap_11591001_secretred
PL3	197	maker-pag1_scaffold_1605-fgenesh-gene-0.0-mRNA-1	129	2.80E-21	114	193	1	84	0.401015228	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1605-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11605001	pyap_11605001
CBM38	129	maker-pag1_scaffold_161-snap-gene-0.14-mRNA-1	706	9.70E-24	4	128	195	371	0.96124031	Pythium_aphanidermatum	Pythium	CBM38_maker-pag1_scaffold_161-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_11610141	pyap_11610141
GH35	307	maker-pag1_scaffold_161-snap-gene-0.28-mRNA-1	837	1.20E-88	1	306	115	420	0.993485342	Pythium_aphanidermatum	Pythium	GH35_maker-pag1_scaffold_161-snap-gene-0.28-mRNA-1	Oomycete	pyap	pyap_11610281	pyap_11610281
PL3	197	maker-pag1_scaffold_1612-snap-gene-0.1-mRNA-1	159	3.50E-31	97	194	6	105	0.492385787	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1612-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11612011	pyap_11612011
PL3	197	maker-pag1_scaffold_1623-fgenesh-gene-0.0-mRNA-1	274	6.80E-66	2	193	31	228	0.969543147	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_1623-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11623001	pyap_11623001_secretred
CE9	373	maker-pag1_scaffold_163-snap-gene-0.15-mRNA-1	228	7.00E-61	2	211	9	228	0.560321716	Pythium_aphanidermatum	Pythium	CE9_maker-pag1_scaffold_163-snap-gene-0.15-mRNA-1	Oomycete	pyap	pyap_11630151	pyap_11630151
CE9	373	maker-pag1_scaffold_163-snap-gene-0.16-mRNA-1	165	2.00E-55	217	373	1	158	0.418230563	Pythium_aphanidermatum	Pythium	CE9_maker-pag1_scaffold_163-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_11630161	pyap_11630161
GT60	330	maker-pag1_scaffold_1635-fgenesh-gene-0.1-mRNA-1	438	1.20E-73	4	329	111	413	0.984848485	Pythium_aphanidermatum	Pythium	GT60_maker-pag1_scaffold_1635-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_11635011	pyap_11635011
GT90	250	maker-pag1_scaffold_164-snap-gene-0.33-mRNA-1	710	3.90E-32	10	238	309	605	0.912	Pythium_aphanidermatum	Pythium	GT90_maker-pag1_scaffold_164-snap-gene-0.33-mRNA-1	Oomycete	pyap	pyap_11640331	pyap_11640331
GH28	325	maker-pag1_scaffold_1645-fgenesh-gene-0.0-mRNA-1	371	2.20E-61	5	314	44	368	0.950769231	Pythium_aphanidermatum	Pythium	GH28_maker-pag1_scaffold_1645-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11645001	pyap_11645001_secretred
GH1	429	maker-pag1_scaffold_165-fgenesh-gene-0.4-mRNA-1	245	1.10E-37	251	426	11	231	0.407925408	Pythium_aphanidermatum	Pythium	GH1_maker-pag1_scaffold_165-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1165041	pyap_1165041
CE10	341	maker-pag1_scaffold_165-fgenesh-gene-0.7-mRNA-1	775	4.80E-11	72	209	524	680	0.401759531	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_165-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1165071	pyap_1165071
CBM63	78	maker-pag1_scaffold_1658-fgenesh-gene-0.0-mRNA-1	229	1.40E-09	2	74	140	210	0.923076923	Pythium_aphanidermatum	Pythium	CBM63_maker-pag1_scaffold_1658-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11658001	pyap_11658001_secretred
GT71	264	snap_masked-pag1_scaffold_1690-abinit-gene-0.2-mRNA-1	527	1.10E-48	2	264	191	420	0.992424242	Pythium_aphanidermatum	Pythium	GT71_snap_masked-pag1_scaffold_1690-abinit-gene-0.2-mRNA-1	Oomycete	pyap	pyap_11690021	pyap_11690021
GH16	189	maker-pag1_scaffold_171-fgenesh-gene-0.10-mRNA-1	724	0.000000054	122	189	431	554	0.354497355	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_171-fgenesh-gene-0.10-mRNA-1	Oomycete	pyap	pyap_11710101	pyap_11710101
GH6	294	maker-pag1_scaffold_171-snap-gene-0.22-mRNA-1	615	2.60E-59	22	289	50	295	0.908163265	Pythium_aphanidermatum	Pythium	GH6_maker-pag1_scaffold_171-snap-gene-0.22-mRNA-1	Oomycete	pyap	pyap_11710221	pyap_11710221
GH6	294	maker-pag1_scaffold_171-snap-gene-0.23-mRNA-1	478	1.40E-57	12	290	36	294	0.945578231	Pythium_aphanidermatum	Pythium	GH6_maker-pag1_scaffold_171-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_11710231	pyap_11710231
CE5	189	maker-pag1_scaffold_1719-snap-gene-0.0-mRNA-1	147	1.10E-19	79	172	23	100	0.492063492	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_1719-snap-gene-0.0-mRNA-1	Oomycete	pyap	pyap_11719001	pyap_11719001
GH5	275	maker-pag1_scaffold_1751-snap-gene-0.3-mRNA-1	186	3.30E-16	123	241	1	167	0.429090909	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_1751-snap-gene-0.3-mRNA-1	Oomycete	pyap	pyap_11751031	pyap_11751031
GT31	192	maker-pag1_scaffold_177-fgenesh-gene-0.3-mRNA-1	296	2.00E-19	76	182	148	258	0.552083333	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_177-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1177031	pyap_1177031_secretred
GT31	192	maker-pag1_scaffold_177-fgenesh-gene-0.4-mRNA-1	700	0.000000057	2	72	413	489	0.364583333	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_177-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1177041	pyap_1177041
CBM50	40	maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	322	3.40E-11	1	39	30	78	0.95	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1177051	pyap_1177051
CBM50	40	maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	322	0.000000004	1	39	257	303	0.95	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1177051	pyap_1177051
CBM50	40	maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	322	0.00000011	1	37	101	145	0.9	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1177051	pyap_1177051
CBM50	40	maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	322	0.0000015	1	40	186	233	0.975	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_177-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1177051	pyap_1177051
GT30	177	maker-pag1_scaffold_18-fgenesh-gene-0.11-mRNA-1	143	6.10E-18	3	89	36	143	0.485875706	Pythium_aphanidermatum	Pythium	GT30_maker-pag1_scaffold_18-fgenesh-gene-0.11-mRNA-1	Oomycete	pyap	pyap_1180111	pyap_1180111
GH1	429	maker-pag1_scaffold_18-fgenesh-gene-0.15-mRNA-1	369	1.60E-63	184	427	4	300	0.566433566	Pythium_aphanidermatum	Pythium	GH1_maker-pag1_scaffold_18-fgenesh-gene-0.15-mRNA-1	Oomycete	pyap	pyap_1180151	pyap_1180151
GH2	752	maker-pag1_scaffold_18-snap-gene-0.36-mRNA-1	888	8.00E-83	68	570	27	770	0.667553192	Pythium_aphanidermatum	Pythium	GH2_maker-pag1_scaffold_18-snap-gene-0.36-mRNA-1	Oomycete	pyap	pyap_1180361	pyap_1180361
AA11	191	maker-pag1_scaffold_182-snap-gene-0.19-mRNA-1	226	0.00096	84	148	52	121	0.335078534	Pythium_aphanidermatum	Pythium	AA11_maker-pag1_scaffold_182-snap-gene-0.19-mRNA-1	Oomycete	pyap	pyap_11820191	pyap_11820191
GT60	330	maker-pag1_scaffold_184-fgenesh-gene-0.4-mRNA-1	525	2.30E-24	166	330	227	385	0.496969697	Pythium_aphanidermatum	Pythium	GT60_maker-pag1_scaffold_184-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1184041	pyap_1184041
GT60	330	maker-pag1_scaffold_184-fgenesh-gene-0.4-mRNA-1	525	4.10E-24	1	129	98	214	0.387878788	Pythium_aphanidermatum	Pythium	GT60_maker-pag1_scaffold_184-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1184041	pyap_1184041
GH11	177	maker-pag1_scaffold_184-fgenesh-gene-0.8-mRNA-1	223	2.90E-74	1											

GT2	168	maker-pag1_scaffold_195-fgenesh-gene-0.2-mRNA-1	1052	1.00E-10	2	108	372	559	0.630952381	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_195-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1195021	pyap_1195021
GT2	168	maker-pag1_scaffold_195-fgenesh-gene-0.2-mRNA-1	1052	0.000000067	105	168	669	732	0.375	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_195-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1195021	pyap_1195021
AA9	220	maker-pag1_scaffold_197-snap-gene-0.17-mRNA-1	312	0.000007	58	204	53	202	0.663636364	Pythium_aphanidermatum	Pythium	AA9_maker-pag1_scaffold_197-snap-gene-0.17-mRNA-1	Oomycete	pyap	pyap_11970171	pyap_11970171
GH81	622	maker-pag1_scaffold_199-snap-gene-0.25-mRNA-1	692	9.70E-170	15	621	56	686	0.974276527	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_199-snap-gene-0.25-mRNA-1	Oomycete	pyap	pyap_11990251	pyap_11990251_secretred
GT2	168	maker-pag1_scaffold_202-snap-gene-0.31-mRNA-1	62	7.00E-12	2	165	300	520	0.970238095	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_202-snap-gene-0.31-mRNA-1	Oomycete	pyap	pyap_12020311	pyap_12020311
CBM37	62	maker-pag1_scaffold_2-snap-gene-0.52-mRNA-1	1106	0.00076	33	61	787	816	0.451612903	Pythium_aphanidermatum	Pythium	CBM37_maker-pag1_scaffold_2-snap-gene-0.52-mRNA-1	Oomycete	pyap	pyap_120521	pyap_120521
GH5	275	maker-pag1_scaffold_209-snap-gene-0.20-mRNA-1	544	2.70E-29	3	239	141	496	0.58181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_209-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_12090201	pyap_12090201
GT58	364	fgenesh_masked-pag1_scaffold_21-abinit-gene-0.122-mRNA-1	1111	1.10E-132	4	364	50	401	0.989010989	Pythium_aphanidermatum	Pythium	GT58_fgenesh_masked-pag1_scaffold_21-abinit-gene-0.122-mRNA-1	Oomycete	pyap	pyap_12101221	pyap_12101221
GH37	491	maker-pag1_scaffold_2-fgenesh-gene-1.20-mRNA-1	598	2.40E-161	1	490	65	592	0.99592668	Pythium_aphanidermatum	Pythium	GH37_maker-pag1_scaffold_2-fgenesh-gene-1.20-mRNA-1	Oomycete	pyap	pyap_121201	pyap_121201_secretred
GT4	160	maker-pag1_scaffold_214-fgenesh-gene-0.1-mRNA-1	507	0.00000006	72	138	362	427	0.4125	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_214-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1214011	pyap_1214011
AA9	220	maker-pag1_scaffold_216-fgenesh-gene-0.1-mRNA-1	266	0.00000074	67	199	49	190	0.6	Pythium_aphanidermatum	Pythium	AA9_maker-pag1_scaffold_216-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1216011	pyap_1216011_secretred
dockerin	21	maker-pag1_scaffold_217-fgenesh-gene-0.2-mRNA-1	424	0.00099	1	16	298	313	0.714285714	Pythium_aphanidermatum	Pythium	dockerin_maker-pag1_scaffold_217-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1217021	pyap_1217021_secretred
CE1	227	maker-pag1_scaffold_218-snap-gene-0.16-mRNA-1	496	0.0000085	8	126	175	286	0.519823789	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_218-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_12180161	pyap_12180161
CBM47	128	maker-pag1_scaffold_225-fgenesh-gene-0.8-mRNA-1	1421	0.000000025	3	61	835	895	0.453125	Pythium_aphanidermatum	Pythium	CBM47_maker-pag1_scaffold_225-fgenesh-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1225081	pyap_1225081
GH17	311	maker-pag1_scaffold_228-fgenesh-gene-0.0-mRNA-1	368	9.70E-27	12	305	44	301	0.942122187	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_228-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1228001	pyap_1228001_secretred
CE1	227	maker-pag1_scaffold_228-fgenesh-gene-0.12-mRNA-1	373	7.20E-09	22	141	161	295	0.524229075	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_228-snap-gene-0.12-mRNA-1	Oomycete	pyap	pyap_12280121	pyap_12280121
GT33	425	maker-pag1_scaffold_228-fgenesh-gene-0.6-mRNA-1	949	5.20E-143	19	395	356	741	0.884705882	Pythium_aphanidermatum	Pythium	GT33_maker-pag1_scaffold_228-fgenesh-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1228061	pyap_1228061
AA2	255	maker-pag1_scaffold_23-fgenesh-gene-0.31-mRNA-1	327	5.80E-61	9	253	61	311	0.956862745	Pythium_aphanidermatum	Pythium	AA2_maker-pag1_scaffold_23-fgenesh-gene-0.31-mRNA-1	Oomycete	pyap	pyap_1230311	pyap_1230311
GT96	307	maker-pag1_scaffold_232-snap-gene-0.16-mRNA-1	926	4.90E-17	1	113	495	618	0.364820847	Pythium_aphanidermatum	Pythium	GT96_maker-pag1_scaffold_232-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_12320161	pyap_12320161
GT24	248	maker-pag1_scaffold_236-snap-gene-0.13-mRNA-1	1599	2.40E-124	1	248	1320	1565	0.995967742	Pythium_aphanidermatum	Pythium	GT24_maker-pag1_scaffold_236-snap-gene-0.13-mRNA-1	Oomycete	pyap	pyap_12360131	pyap_12360131
GT19	354	maker-pag1_scaffold_239-snap-gene-0.18-mRNA-1	461	3.90E-56	1	216	41	330	0.607344633	Pythium_aphanidermatum	Pythium	GT19_maker-pag1_scaffold_239-snap-gene-0.18-mRNA-1	Oomycete	pyap	pyap_12390181	pyap_12390181
GT8	257	fgenesh_masked-pag1_scaffold_24-abinit-gene-0.116-mRNA-1	283	4.80E-31	25	254	20	249	0.891050584	Pythium_aphanidermatum	Pythium	GT8_fgenesh_masked-pag1_scaffold_24-abinit-gene-0.116-mRNA-1	Oomycete	pyap	pyap_12401161	pyap_12401161
GT4	160	maker-pag1_scaffold_24-fgenesh-gene-0.22-mRNA-1	476	8.80E-30	10	499	227	365	0.86875	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_24-fgenesh-gene-0.22-mRNA-1	Oomycete	pyap	pyap_1240221	pyap_1240221
GH3	216	maker-pag1_scaffold_243-fgenesh-gene-0.0-mRNA-1	787	5.90E-63	5	206	112	323	0.930555556	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_243-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1243001	pyap_1243001_secretred
CE1	227	maker-pag1_scaffold_249-fgenesh-gene-0.0-mRNA-1	562	0.000001	3	156	101	246	0.674008811	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_249-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1249001	pyap_1249001_secretred
GT31	192	maker-pag1_scaffold_250-snap-gene-0.12-mRNA-1	348	1.70E-12	59	191	109	263	0.6875	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_250-snap-gene-0.12-mRNA-1	Oomycete	pyap	pyap_12500121	pyap_12500121_secretred
GT28	157	maker-pag1_scaffold_255-fgenesh-gene-0.4-mRNA-1	164	9.10E-11	20	130	23	137	0.700636943	Pythium_aphanidermatum	Pythium	GT28_maker-pag1_scaffold_255-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1255041	pyap_1255041
GH30	417	maker-pag1_scaffold_256-fgenesh-gene-0.6-mRNA-1	497	2.00E-61	25	415	38	491	0.935251799	Pythium_aphanidermatum	Pythium	GH30_maker-pag1_scaffold_256-fgenesh-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1256061	pyap_1256061_secretred
GT2	168	maker-pag1_scaffold_259-fgenesh-gene-0.2-mRNA-1	761	3.50E-30	1	138	392	529	0.815476191	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_259-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1259021	pyap_1259021
GT74	280	maker-pag1_scaffold_259-fgenesh-gene-0.2-mRNA-1	761	5.00E-62	1	279	7	359	0.992857143	Pythium_aphanidermatum	Pythium	GT74_maker-pag1_scaffold_259-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1259021	pyap_1259021
GH72	312	maker-pag1_scaffold_260-snap-gene-0.16-mRNA-1	470	1.70E-12	13	158	12	156	0.46474359	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_260-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_12600161	pyap_12600161
CE13	355	fgenesh_masked-pag1_scaffold_26-abinit-gene-0.135-mRNA-1	429	4.50E-21	29	170	80	233	0.397183099	Pythium_aphanidermatum	Pythium	CE13_fgenesh_masked-pag1_scaffold_26-abinit-gene-0.135-mRNA-1	Oomycete	pyap	pyap_12601351	pyap_12601351_secretred
GH47	446	maker-pag1_scaffold_264-snap-gene-0.12-mRNA-1	990	2.90E-62	1	177	267	449	0.394618834	Pythium_aphanidermatum	Pythium	GH47_maker-pag1_scaffold_264-snap-gene-0.12-mRNA-1	Oomycete	pyap	pyap_12640121	pyap_12640121
PL1	202	maker-pag1_scaffold_267-snap-gene-0.15-mRNA-1	351	7.70E-41	21	201	74	270	0.891089109	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_267-snap-gene-0.15-mRNA-1	Oomycete	pyap	pyap_12670151	pyap_12670151
PL1	202	maker-pag1_scaffold_267-fgenesh-gene-0.5-mRNA-1	393	5.50E-47	22	201	115	310	0.886138614	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_267-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1267051	pyap_1267051_secretred
CE5	189	maker-pag1_scaffold_27-fgenesh-gene-0.13-mRNA-1	218	3.00E-48	1	184	28	203	0.968253968	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_27-fgenesh-gene-0.13-mRNA-1	Oomycete	pyap	pyap_1270131	pyap_1270131_secretred
GT41	705	maker-pag1_scaffold_27-fgenesh-gene-0.2-mRNA-1	1005	3.70E-91	465	703	474	720	0.337588653	Pythium_aphanidermatum	Pythium	GT41_maker-pag1_scaffold_27-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_127021	pyap_127021
CE5	189	maker-pag1_scaffold_27-snap-gene-0.23-mRNA-1	93	3.50E-14	108	184	8	82	0.402116402	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_27-snap-gene-0.23-mRNA-1	Oomycete	pyap	pyap_1270231	pyap_1270231
GH19	231	maker-pag1_scaffold_27-snap-gene-0.32-mRNA-1	627	1.30E-65	8	231	121	325	0.965367965	Pythium_aphanidermatum	Pythium	GH19_maker-pag1_scaffold_27-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1270321	pyap_1270321_secretred
GH5	275	maker-pag1_scaffold_274-snap-gene-0.19-mRNA-1	320	7.10E-29	5	239	208	570	0.850909091	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_274-snap-gene-0.19-mRNA-1	Oomycete	pyap	pyap_12740191	pyap_12740191
GH3	216	maker-pag1_scaffold_274-snap-gene-0.20-mRNA-1	666	5.10E-69	3	215	77	317	0.981481482	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_274-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_12740201	pyap_12740201_secretred
CE7	313	maker-pag1_scaffold_275-snap-gene-0.5-mRNA-1	517	2.60E-09	172	295	153	281	0.392971246	Pythium_aphanidermatum	Pythium	CE7_maker-pag1_scaffold_275-snap-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1275051	pyap_1275051
GH131	255	maker-pag1_scaffold_276-fgenesh-gene-0.1-mRNA-1	331	7.40E-28	29	247	52	251	0.854901961	Pythium_aphanidermatum	Pythium	GH131_maker-pag1_scaffold_276-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1276011	pyap_1276011_secretred
GT20	475	snap_masked-pag1_scaffold_28-abinit-gene-0.102-mRNA-1	1281	2.10E-147	8	474	61	550	0.981052632	Pythium_aphanidermatum	Pythium	GT20_snap_masked-pag1_scaffold_28-abinit-gene-0.102-mRNA-1	Oomycete	pyap	pyap_12801021	pyap_12801021
CE1	227	fgenesh_masked-pag1_scaffold_28-abinit-gene-0.121-mRNA-1	302	0.000000032	28	143	5	179	0.50660793	Pythium_aphanidermatum	Pythium	CE1_fgenesh_masked-pag1_scaffold_28-abinit-gene-0.121-mRNA-1	Oomycete	pyap	pyap_12801211	pyap_12801211
GT71	264	maker-pag1_scaffold_28-snap-gene-0.32-mRNA-1	582	4.50E-49	2	264	193	422	0.992424242	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_28-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1280321	pyap_1280321
GT71	264	maker-pag1_scaffold_28-snap-gene-0.35-mRNA-1	626	2.00E-45	2	264	171	400	0.992424242	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_28-snap-gene-0.35-mRNA-1	Oomycete	pyap	pyap_1280351	pyap_1280351
CBM43	83	maker-pag1_scaffold_28-snap-gene-0.49-mRNA-1	683	1.70E-16	1	77	551	623	0.915662651	Pythium_aphanidermatum	Pythium	CBM43_maker-pag1_scaffold_28-snap-gene-0.49-mRNA-1	Oomycete	pyap	pyap_1280491	pyap_1280491
GH5	275	maker-pag1_scaffold_28-snap-gene-0.49-mRNA-1	683	2.50E-35	27	219	136	413	0.698181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_28-snap-gene-0.49-mRNA-1	Oomycete	pyap	pyap_1280491	pyap_1280491
GT8	257	maker-pag1_scaffold_284-fgenesh-gene-0.3-mRNA-1	296	6.30E-15	39	220	63	231	0.704280156	Pythium_aphanidermatum	Pythium	GT8_maker-pag1_scaffold_284-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1284031	pyap_1284031_secretred
GH63	570	maker-pag1_scaffold_293-fgenesh-gene-0.7-mRNA-1	903	1.40E-21	363	567	452	901	0.357894737	Pythium_aphanidermatum	Pythium	GH63_maker-pag1_scaffold_293-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1293071	pyap_1293071_secretred
CBM6	138	maker-pag1_scaffold_294-fgenesh-gene-0.8-mRNA-1	916	0.00092	31	97	7	70	0.47826087	Pythium_aphanidermatum	Pythium	CBM6_maker-pag1_scaffold_294-fgenesh-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1294081	pyap_1294081
GT1	382	maker-pag1_scaffold_296-snap-gene-0.6-mRNA-1	494	4.80E-25	103	350	142	435	0.646596859	Pythium_aphanidermatum	Pythium	GT1_maker-pag1_scaffold_296-snap-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1296061	pyap_1296061_secretred
CE13	355	maker-pag1_scaffold_297-fgenesh-gene-0.0-mRNA-1	641	2.40E-21	26	171	280	439	0.408450704	Pythium_aphanidermatum	Pythium	CE13_maker-pag1_scaffold_297-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1297001	pyap_1297001
GH5	275	maker-pag1_scaffold_298-snap-gene-0.14-mRNA-1	831	2.10E-40	15	241	517	813	0.821818182	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_298-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_12980141	pyap_12980141
GH5	275	maker-pag1_scaffold_30-snap-gene-0.32-mRNA-1	683	3.70E-29	11	236	12	509	0.818181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_30-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1300321	pyap_1300321
GH72	312	maker-pag1_scaffold_301-snap-gene-0.12-mRNA-1	575	1.30E-70	6	311	29	369	0.977564103	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_301-snap-gene-0.12-mRNA-1	Oomycete	pyap	pyap_13010121	pyap_13010121
CE10	341	fgenesh_masked-pag1_scaffold_3-abinit-gene-0.110-mRNA-1	480	3.00E-46	69	340	166	457	0.794721408	Pythium_aphanidermatum	Pythium					

GH31	427	maker-pag1_scaffold_323-snap-gene-0.15-mRNA-1	1198	3.80E-111	2	427	379	940	0.995316159	Pythium_aphanidermatum	Pythium	GH31_maker-pag1_scaffold_323-snap-gene-0.15-mRNA-1	Oomycete	pyap	pyap_13230151	pyap_13230151
CE10	341	fgenesh_masked-pag1_scaffold_323-abinit-gene-0.33-mRNA-1	730	2.10E-47	81	336	462	726	0.747800587	Pythium_aphanidermatum	Pythium	CE10_fgenesh_masked-pag1_scaffold_323-abinit-gene-0.33-mRNA-1	Oomycete	pyap	pyap_13230331	pyap_13230331
GT2	168	maker-pag1_scaffold_329-fgenesh-gene-0.5-mRNA-1	1137	3.80E-26	16	168	563	815	0.904761905	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_329-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1329051	pyap_1329051
GT2_Cellulose_synt	722	maker-pag1_scaffold_329-fgenesh-gene-0.5-mRNA-1	1137	2.00E-16	416	678	817	1083	0.362880886	Pythium_aphanidermatum	Pythium	GT2_Cellulose_synt_maker-pag1_scaffold_329-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1329051	pyap_1329051
GH89	663	fgenesh_masked-pag1_scaffold_33-abinit-gene-0.140-mRNA-1	847	1.10E-216	2	661	34	703	0.993966818	Pythium_aphanidermatum	Pythium	GH89_fgenesh_masked-pag1_scaffold_33-abinit-gene-0.140-mRNA-1	Oomycete	pyap	pyap_13301401	pyap_13301401
GH38	269	maker-pag1_scaffold_33-fgenesh-gene-0.16-mRNA-1	982	2.80E-72	1	269	60	361	0.996282528	Pythium_aphanidermatum	Pythium	GH38_maker-pag1_scaffold_33-fgenesh-gene-0.16-mRNA-1	Oomycete	pyap	pyap_1330161	pyap_1330161_secreted
CBM13	188	maker-pag1_scaffold_334-snap-gene-0.21-mRNA-1	333	2.50E-11	8	132	190	317	0.659574468	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_334-snap-gene-0.21-mRNA-1	Oomycete	pyap	pyap_13340211	pyap_13340211
CBM13	188	maker-pag1_scaffold_334-snap-gene-0.21-mRNA-1	333	0.0000059	6	135	37	157	0.686170213	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_334-snap-gene-0.21-mRNA-1	Oomycete	pyap	pyap_13340211	pyap_13340211
CBM43	83	maker-pag1_scaffold_334-fgenesh-gene-0.5-mRNA-1	1118	4.80E-16	1	77	575	647	0.915662651	Pythium_aphanidermatum	Pythium	CBM43_maker-pag1_scaffold_334-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1334051	pyap_1334051_secreted
GH5	275	maker-pag1_scaffold_334-fgenesh-gene-0.5-mRNA-1	1118	4.50E-34	27	219	160	437	0.698181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_334-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1334051	pyap_1334051_secreted
GT59	404	maker-pag1_scaffold_335-fgenesh-gene-0.2-mRNA-1	417	2.50E-98	2	343	25	359	0.844059406	Pythium_aphanidermatum	Pythium	GT59_maker-pag1_scaffold_335-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1335021	pyap_1335021
GT48	739	snap-pag1_scaffold_34-abinit-gene-0.134-mRNA-1	2010	5.30E-274	3	710	1099	1824	0.956698241	Pythium_aphanidermatum	Pythium	GT48_snap-pag1_scaffold_34-abinit-gene-0.134-mRNA-1	Oomycete	pyap	pyap_13401341	pyap_13401341
GT48	739	maker-pag1_scaffold_34-snap-gene-0.29-mRNA-1	1920	1.50E-277	3	712	1008	1735	0.959404601	Pythium_aphanidermatum	Pythium	GT48_maker-pag1_scaffold_34-snap-gene-0.29-mRNA-1	Oomycete	pyap	pyap_1340291	pyap_1340291
GT4	160	maker-pag1_scaffold_343-snap-gene-0.10-mRNA-1	507	8.90E-28	11	159	350	500	0.925	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_343-snap-gene-0.10-mRNA-1	Oomycete	pyap	pyap_13430101	pyap_13430101_secreted
GT4	160	maker-pag1_scaffold_343-snap-gene-0.9-mRNA-1	579	9.50E-29	10	158	387	537	0.925	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_343-snap-gene-0.9-mRNA-1	Oomycete	pyap	pyap_1343091	pyap_1343091
GH47	446	maker-pag1_scaffold_361-snap-gene-0.39-mRNA-1	740	2.90E-132	1	445	41	506	0.995515695	Pythium_aphanidermatum	Pythium	GH47_maker-pag1_scaffold_361-snap-gene-0.39-mRNA-1	Oomycete	pyap	pyap_1350391	pyap_1350391_secreted
GT20	475	maker-pag1_scaffold_35-snap-gene-0.59-mRNA-1	1254	5.90E-129	6	475	292	792	0.987368421	Pythium_aphanidermatum	Pythium	GT20_maker-pag1_scaffold_35-snap-gene-0.59-mRNA-1	Oomycete	pyap	pyap_1350591	pyap_1350591
CE1	227	maker-pag1_scaffold_351-snap-gene-0.14-mRNA-1	549	5.50E-20	10	224	220	539	0.942731278	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_351-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_13510141	pyap_13510141
GT66	693	maker-pag1_scaffold_354-snap-gene-0.14-mRNA-1	754	1.10E-131	5	608	17	709	0.87012987	Pythium_aphanidermatum	Pythium	GT66_maker-pag1_scaffold_354-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_13540141	pyap_13540141
GH5	275	maker-pag1_scaffold_361-snap-gene-0.13-mRNA-1	635	8.50E-39	6	236	172	529	0.836363636	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_361-snap-gene-0.13-mRNA-1	Oomycete	pyap	pyap_13610131	pyap_13610131
PL3	197	maker-pag1_scaffold_361-snap-gene-0.16-mRNA-1	202	3.20E-29	86	193	3	107	0.543147208	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_361-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_13610161	pyap_13610161
GT32	90	maker-pag1_scaffold_367-fgenesh-gene-0.1-mRNA-1	291	6.20E-11	48	86	65	103	0.422222222	Pythium_aphanidermatum	Pythium	GT32_maker-pag1_scaffold_367-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1367011	pyap_1367011
GT48	739	maker-pag1_scaffold_370-snap-gene-0.7-mRNA-1	2249	7.30E-276	2	716	858	1604	0.966170501	Pythium_aphanidermatum	Pythium	GT48_maker-pag1_scaffold_370-snap-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1370071	pyap_1370071
CE10	341	maker-pag1_scaffold_38-fgenesh-gene-0.19-mRNA-1	738	0.00000085	93	278	471	669	0.542521994	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_38-fgenesh-gene-0.19-mRNA-1	Oomycete	pyap	pyap_1380191	pyap_1380191
GT4	160	maker-pag1_scaffold_385-snap-gene-0.8-mRNA-1	383	0.0002	60	137	226	299	0.48125	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_385-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1385081	pyap_1385081
GH109	126	snap_masked-pag1_scaffold_389-abinit-gene-0.25-mRNA-1	385	0.0000023	1	113	26	137	0.888888889	Pythium_aphanidermatum	Pythium	GH109_snap_masked-pag1_scaffold_389-abinit-gene-0.25-mRNA-1	Oomycete	pyap	pyap_13890251	pyap_13890251
GH72	312	maker-pag1_scaffold_396-fgenesh-gene-0.1-mRNA-1	595	3.20E-68	6	284	121	427	0.891025641	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_396-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1396011	pyap_1396011
AA2	255	maker-pag1_scaffold_400-fgenesh-gene-0.0-mRNA-1	398	9.10E-17	73	253	213	390	0.705882353	Pythium_aphanidermatum	Pythium	AA2_maker-pag1_scaffold_400-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1400001	pyap_1400001
GT2	168	maker-pag1_scaffold_400-snap-gene-0.17-mRNA-1	355	4.40E-30	1	164	77	251	0.970238095	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_400-snap-gene-0.17-mRNA-1	Oomycete	pyap	pyap_14000171	pyap_14000171
CBM1	29	maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	772	9.50E-12	1	29	356	384	0.965517241	Pythium_aphanidermatum	Pythium	CBM1_maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_14010111	pyap_14010111_secreted
CBM1	29	maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	772	5.10E-10	1	29	736	764	0.965517241	Pythium_aphanidermatum	Pythium	CBM1_maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_14010111	pyap_14010111_secreted
CBM1	29	maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	772	0.000000034	2	77	67	92	0.862068966	Pythium_aphanidermatum	Pythium	CBM1_maker-pag1_scaffold_401-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_14010111	pyap_14010111_secreted
CBM63	78	maker-pag1_scaffold_402-snap-gene-0.14-mRNA-1	258	0.00000041	2	74	132	203	0.923076923	Pythium_aphanidermatum	Pythium	CBM63_maker-pag1_scaffold_402-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_14020141	pyap_14020141_secreted
CE1	227	maker-pag1_scaffold_407-snap-gene-0.20-mRNA-1	575	0.00000056	18	156	149	295	0.607929515	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_407-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_14070201	pyap_14070201
GT1	382	maker-pag1_scaffold_408-fgenesh-gene-0.10-mRNA-1	643	6.70E-29	25	379	100	524	0.926701571	Pythium_aphanidermatum	Pythium	GT1_maker-pag1_scaffold_408-fgenesh-gene-0.10-mRNA-1	Oomycete	pyap	pyap_14080101	pyap_14080101
CE2	209	fgenesh_masked-pag1_scaffold_41-abinit-gene-0.129-mRNA-1	1130	2.10E-52	1	209	224	443	0.995215311	Pythium_aphanidermatum	Pythium	CE2_fgenesh_masked-pag1_scaffold_41-abinit-gene-0.129-mRNA-1	Oomycete	pyap	pyap_14101291	pyap_14101291
GT57	481	maker-pag1_scaffold_413-snap-gene-0.20-mRNA-1	483	1.80E-134	16	480	3	459	0.964656965	Pythium_aphanidermatum	Pythium	GT57_maker-pag1_scaffold_413-snap-gene-0.20-mRNA-1	Oomycete	pyap	pyap_14130201	pyap_14130201
GT60	330	maker-pag1_scaffold_4-snap-gene-1.52-mRNA-1	652	1.30E-88	1	329	348	627	0.993939394	Pythium_aphanidermatum	Pythium	GT60_maker-pag1_scaffold_4-snap-gene-1.52-mRNA-1	Oomycete	pyap	pyap_141521	pyap_141521
CBM32	124	maker-pag1_scaffold_419-fgenesh-gene-0.8-mRNA-1	142	0.00034	18	88	29	102	0.564516129	Pythium_aphanidermatum	Pythium	CBM32_maker-pag1_scaffold_419-fgenesh-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1419081	pyap_1419081
GT4	160	maker-pag1_scaffold_423-fgenesh-gene-0.7-mRNA-1	484	2.90E-26	6	152	289	447	0.9125	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_423-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1423071	pyap_1423071_secreted
GH17	311	maker-pag1_scaffold_426-fgenesh-gene-0.6-mRNA-1	599	3.30E-20	22	306	75	318	0.91318328	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_426-fgenesh-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1426061	pyap_1426061_secreted
GH72	312	maker-pag1_scaffold_43-fgenesh-gene-0.11-mRNA-1	552	3.00E-72	8	310	40	373	0.967948718	Pythium_aphanidermatum	Pythium	GH72_maker-pag1_scaffold_43-fgenesh-gene-0.11-mRNA-1	Oomycete	pyap	pyap_1430111	pyap_1430111_secreted
CBM13	188	maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	649	6.30E-18	37	145	431	533	0.574468085	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1430321	pyap_1430321_secreted
CBM13	188	maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	649	0.000000021	30	133	548	646	0.54787234	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1430321	pyap_1430321_secreted
CBM13	188	maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	649	0.00051	14	84	322	399	0.372340426	Pythium_aphanidermatum	Pythium	CBM13_maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1430321	pyap_1430321_secreted
GH17	311	maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	649	1.10E-22	16	303	53	299	0.922829582	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_43-snap-gene-0.32-mRNA-1	Oomycete	pyap	pyap_1430321	pyap_1430321_secreted
GH18	296	maker-pag1_scaffold_43-snap-gene-0.67-mRNA-1	414	1.50E-34	29	279	86	393	0.844594595	Pythium_aphanidermatum	Pythium	GH18_maker-pag1_scaffold_43-snap-gene-0.67-mRNA-1	Oomycete	pyap	pyap_1430671	pyap_1430671_secreted
CE5	189	maker-pag1_scaffold_433-fgenesh-gene-0.0-mRNA-1	217	7.50E-51	1	186	25	203	0.978835979	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_433-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1433001	pyap_1433001_secreted
CE5	189	maker-pag1_scaffold_433-fgenesh-gene-0.7-mRNA-1	213	9.00E-53	1	186	23	203	0.978835979	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_433-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1433071	pyap_1433071_secreted
CE5	189	maker-pag1_scaffold_433-fgenesh-gene-0.8-mRNA-1	219	1.30E-41	1	162	26	182	0.851851852	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_433-fgenesh-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1433081	pyap_1433081_secreted
GH81	622	maker-pag1_scaffold_436-fgenesh-gene-0.7-mRNA-1	831	5.80E-156	5	622	96	824	0.991961415	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_436-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1436071	pyap_1436071
CE14	124	maker-pag1_scaffold_437-fgenesh-gene-0.10-mRNA-1	265	3.60E-14	1	124	22	140	0.991935484	Pythium_aphanidermatum	Pythium	CE14_maker-pag1_scaffold_437-fgenesh-gene-0.10-mRNA-1	Oomycete	pyap	pyap_14370101	pyap_14370101
CE1	227	maker-pag1_scaffold_448-fgenesh-gene-0.2-mRNA-1	286	5.90E-51	1	225	23	282	0.986784141	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_448-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1448021	pyap_1448021
GT48	739	maker-pag1_scaffold_45-snap-gene-0.58-mRNA-1	2417	1.00E-252	3	692	858	1593	0.932341001	Pythium_aphanidermatum	Pythium	GT48_maker-pag1_scaffold_45-snap-gene-0.58-mRNA-1	Oomycete	pyap	pyap_1450581	pyap_1450581
CE10	341	maker-pag1_scaffold_451-snap-gene-0.14-mRNA-1	394	9.20E-39	68	320	102	365	0.739002933	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_451-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_14510141	pyap_14510141
CE1	227	maker-pag1_scaffold_454-fgenesh-gene-0.4-mRNA-1	313	0.000000041	28	143	8	167	0.50660793	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_454-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1454041	pyap_1454041
CE3	194	maker-pag1_scaffold_461-snap-gene-0.10-mRNA-1	306	0.000000004	66	191	150	276	0.644329897	Pythium_aphanidermatum	Pythium	CE3_maker-pag1_scaffold_461-snap-gene-0.10-mRNA-1	Oomycete	pyap	pyap_14610101	pyap_14610101
GT48	739	maker-pag1_scaffold_461-snap-gene-0.8-mRNA-1	2176	2.00E-264	3	7										

GT2	168	maker-pag1_scaffold_500-fgenesh-gene-0.9-mRNA-1	442	0.00000012	70	165	103	203	0.565476191	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_500-fgenesh-gene-0.9-mRNA-1	Oomycete	pyap	pyap_15000091	pyap_15000091
PL1	202	maker-pag1_scaffold_50-fgenesh-gene-0.28-mRNA-1	395	1.10E-41	23	201	121	314	0.881188119	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_50-fgenesh-gene-0.28-mRNA-1	Oomycete	pyap	pyap_15000281	pyap_15000281_secreted
PL1	202	maker-pag1_scaffold_50-snap-gene-0.44-mRNA-1	399	1.90E-35	9	201	100	314	0.95049505	Pythium_aphanidermatum	Pythium	PL1_maker-pag1_scaffold_50-snap-gene-0.44-mRNA-1	Oomycete	pyap	pyap_15000441	pyap_15000441_secreted
GT41	705	maker-pag1_scaffold_50-snap-gene-0.51-mRNA-1	979	8.70E-65	124	528	321	930	0.573049645	Pythium_aphanidermatum	Pythium	GT41_maker-pag1_scaffold_50-snap-gene-0.51-mRNA-1	Oomycete	pyap	pyap_1500511	pyap_1500511
CE13	355	maker-pag1_scaffold_507-fgenesh-gene-0.4-mRNA-1	453	8.60E-22	33	187	85	256	0.433802817	Pythium_aphanidermatum	Pythium	CE13_maker-pag1_scaffold_507-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_15070041	pyap_15070041_secreted
GH13	299	maker-pag1_scaffold_5-fgenesh-gene-1.1-mRNA-1	910	1.10E-20	28	274	470	804	0.822742475	Pythium_aphanidermatum	Pythium	GH13_maker-pag1_scaffold_5-fgenesh-gene-1.1-mRNA-1	Oomycete	pyap	pyap_15111	pyap_15111_secreted
GT50	262	maker-pag1_scaffold_513-snap-gene-0.8-mRNA-1	428	1.50E-79	1	261	138	399	0.992366412	Pythium_aphanidermatum	Pythium	GT50_maker-pag1_scaffold_513-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1513081	pyap_1513081
GT45	115	maker-pag1_scaffold_522-fgenesh-gene-0.3-mRNA-1	422	0.00096	32	97	194	261	0.565217391	Pythium_aphanidermatum	Pythium	GT45_maker-pag1_scaffold_522-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1522031	pyap_1522031
CE3	194	maker-pag1_scaffold_528-snap-gene-0.8-mRNA-1	215	0.000000042	67	190	13	157	0.634020619	Pythium_aphanidermatum	Pythium	CE3_maker-pag1_scaffold_528-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1528081	pyap_1528081_secreted
GT60	330	maker-pag1_scaffold_53-snap-gene-0.40-mRNA-1	452	6.10E-42	2	329	113	427	0.990909091	Pythium_aphanidermatum	Pythium	GT60_maker-pag1_scaffold_53-snap-gene-0.40-mRNA-1	Oomycete	pyap	pyap_1530401	pyap_1530401
CE5	189	maker-pag1_scaffold_534-fgenesh-gene-0.13-mRNA-1	234	8.40E-15	77	187	68	178	0.582010582	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_534-snap-gene-0.13-mRNA-1	Oomycete	pyap	pyap_15340131	pyap_15340131_secreted
CE5	189	maker-pag1_scaffold_534-fgenesh-gene-0.3-mRNA-1	270	9.00E-53	1	187	23	202	0.984126984	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_534-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1534031	pyap_1534031_secreted
GH3	216	maker-pag1_scaffold_536-snap-gene-0.10-mRNA-1	760	7.60E-57	7	205	72	280	0.916666667	Pythium_aphanidermatum	Pythium	GH3_maker-pag1_scaffold_536-snap-gene-0.10-mRNA-1	Oomycete	pyap	pyap_15360101	pyap_15360101
GT62	268	maker-pag1_scaffold_54-fgenesh-gene-0.16-mRNA-1	1312	7.00E-44	18	266	569	800	0.925373134	Pythium_aphanidermatum	Pythium	GT62_maker-pag1_scaffold_54-fgenesh-gene-0.16-mRNA-1	Oomycete	pyap	pyap_1540161	pyap_1540161
GT62	268	maker-pag1_scaffold_54-fgenesh-gene-0.16-mRNA-1	1312	6.50E-43	19	266	1038	1268	0.921641791	Pythium_aphanidermatum	Pythium	GT62_maker-pag1_scaffold_54-fgenesh-gene-0.16-mRNA-1	Oomycete	pyap	pyap_1540161	pyap_1540161
GT62	268	maker-pag1_scaffold_54-fgenesh-gene-0.19-mRNA-1	402	2.60E-44	19	266	127	358	0.921641791	Pythium_aphanidermatum	Pythium	GT62_maker-pag1_scaffold_54-fgenesh-gene-0.19-mRNA-1	Oomycete	pyap	pyap_1540191	pyap_1540191
GT2	168	maker-pag1_scaffold_550-fgenesh-gene-0.0-mRNA-1	1032	1.30E-09	2	111	355	546	0.648809524	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_550-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1550001	pyap_1550001
GH32	293	maker-pag1_scaffold_55-fgenesh-gene-0.1-mRNA-1	615	2.10E-64	1	282	42	374	0.959044369	Pythium_aphanidermatum	Pythium	GH32_maker-pag1_scaffold_55-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_155011	pyap_155011_secreted
AA3	618	maker-pag1_scaffold_551-snap-gene-0.12-mRNA-1	552	4.70E-110	82	414	32	545	0.537216829	Pythium_aphanidermatum	Pythium	AA3_maker-pag1_scaffold_551-snap-gene-0.12-mRNA-1	Oomycete	pyap	pyap_15510121	pyap_15510121
GH5	275	maker-pag1_scaffold_556-fgenesh-gene-0.3-mRNA-1	605	4.20E-31	3	241	201	552	0.865454546	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_556-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1556031	pyap_1556031
AA8	815	maker-pag1_scaffold_557-fgenesh-gene-0.2-mRNA-1	867	3.00E-81	238	780	20	559	0.665030675	Pythium_aphanidermatum	Pythium	AA8_maker-pag1_scaffold_557-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1557021	pyap_1557021_secreted
GT20	475	maker-pag1_scaffold_559-snap-gene-0.15-mRNA-1	1007	3.40E-196	12	474	205	680	0.972631579	Pythium_aphanidermatum	Pythium	GT20_maker-pag1_scaffold_559-snap-gene-0.15-mRNA-1	Oomycete	pyap	pyap_15590151	pyap_15590151
CE5	189	maker-pag1_scaffold_559-fgenesh-gene-0.7-mRNA-1	176	1.50E-16	92	186	67	160	0.497354497	Pythium_aphanidermatum	Pythium	CE5_maker-pag1_scaffold_559-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1559071	pyap_1559071_secreted
AA11	191	maker-pag1_scaffold_560-fgenesh-gene-0.4-mRNA-1	223	0.00031	84	142	126	189	0.303664922	Pythium_aphanidermatum	Pythium	AA11_maker-pag1_scaffold_560-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1560041	pyap_1560041
GT57	481	fgenesh_masked-pag1_scaffold_563-abinit-gene-0.29-mRNA-1	837	3.60E-142	3	429	334	808	0.885654886	Pythium_aphanidermatum	Pythium	GT57_fgenesh_masked-pag1_scaffold_563-abinit-gene-0.29-mRNA-1	Oomycete	pyap	pyap_15630291	pyap_15630291
CE1	227	snap_masked-pag1_scaffold_578-abinit-gene-0.14-mRNA-1	503	0.0000022	12	143	195	330	0.577092511	Pythium_aphanidermatum	Pythium	CE1_snap_masked-pag1_scaffold_578-abinit-gene-0.14-mRNA-1	Oomycete	pyap	pyap_15780141	pyap_15780141
GH5	275	maker-pag1_scaffold_58-fgenesh-gene-0.6-mRNA-1	694	1.30E-35	28	239	269	554	0.767272727	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_58-fgenesh-gene-0.6-mRNA-1	Oomycete	pyap	pyap_158061	pyap_158061
CE1	227	maker-pag1_scaffold_590-snap-gene-0.14-mRNA-1	257	2.80E-19	4	141	24	155	0.603524229	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_590-snap-gene-0.14-mRNA-1	Oomycete	pyap	pyap_15900141	pyap_15900141
GH131	255	maker-pag1_scaffold_590-fgenesh-gene-0.5-mRNA-1	284	1.50E-20	36	247	61	258	0.82745098	Pythium_aphanidermatum	Pythium	GH131_maker-pag1_scaffold_590-fgenesh-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1590051	pyap_1590051_secreted
CE1	227	maker-pag1_scaffold_590-fgenesh-gene-0.7-mRNA-1	348	1.10E-22	5	143	116	270	0.607929515	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_590-fgenesh-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1590071	pyap_1590071_secreted
GH30	417	maker-pag1_scaffold_59-fgenesh-gene-0.3-mRNA-1	434	2.10E-62	61	415	15	428	0.848920863	Pythium_aphanidermatum	Pythium	GH30_maker-pag1_scaffold_59-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_159031	pyap_159031
CE1	227	maker-pag1_scaffold_592-fgenesh-gene-0.0-mRNA-1	669	6.90E-10	55	149	353	480	0.414096916	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_592-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1592001	pyap_1592001
PL3	197	maker-pag1_scaffold_601-snap-gene-0.11-mRNA-1	244	2.30E-44	3	196	23	216	0.979695432	Pythium_aphanidermatum	Pythium	PL3_maker-pag1_scaffold_601-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_16010111	pyap_16010111
PL1	202	snap-pag1_scaffold_603-abinit-gene-0.22-mRNA-1	273	6.10E-42	32	201	5	190	0.836633663	Pythium_aphanidermatum	Pythium	PL1_snap-pag1_scaffold_603-abinit-gene-0.22-mRNA-1	Oomycete	pyap	pyap_16030221	pyap_16030221
GH17	311	maker-pag1_scaffold_6-snap-gene-1.17-mRNA-1	423	4.10E-20	12	306	46	307	0.945337621	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_6-snap-gene-1.17-mRNA-1	Oomycete	pyap	pyap_161171	pyap_161171_secreted
CE10	341	maker-pag1_scaffold_617-fgenesh-gene-0.1-mRNA-1	532	4.40E-33	73	214	99	254	0.413489736	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_617-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1617011	pyap_1617011_secreted
AA8	815	maker-pag1_scaffold_622-snap-gene-0.7-mRNA-1	528	1.20E-61	292	807	6	510	0.631901841	Pythium_aphanidermatum	Pythium	AA8_maker-pag1_scaffold_622-snap-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1622071	pyap_1622071
GT71	264	maker-pag1_scaffold_627-fgenesh-gene-0.4-mRNA-1	759	1.30E-50	2	264	391	621	0.992424242	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_627-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1627041	pyap_1627041
CE10	341	maker-pag1_scaffold_63-snap-gene-0.30-mRNA-1	527	2.80E-33	60	193	85	235	0.390029326	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_63-snap-gene-0.30-mRNA-1	Oomycete	pyap	pyap_1630301	pyap_1630301
GH5	275	maker-pag1_scaffold_64-snap-gene-0.19-mRNA-1	498	3.10E-40	10	240	9	317	0.836363636	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_64-snap-gene-0.19-mRNA-1	Oomycete	pyap	pyap_1640191	pyap_1640191
GH17	311	maker-pag1_scaffold_64-snap-gene-0.49-mRNA-1	488	8.30E-13	14	308	38	266	0.945337621	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_64-snap-gene-0.49-mRNA-1	Oomycete	pyap	pyap_1640491	pyap_1640491
SLH	42	maker-pag1_scaffold_646-fgenesh-gene-0.2-mRNA-1	448	0.0000058	7	34	297	324	0.642857143	Pythium_aphanidermatum	Pythium	SLH_maker-pag1_scaffold_646-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1646021	pyap_1646021_secreted
GH1	429	maker-pag1_scaffold_648-snap-gene-0.8-mRNA-1	474	2.40E-175	4	428	6	471	0.988344988	Pythium_aphanidermatum	Pythium	GH1_maker-pag1_scaffold_648-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1648081	pyap_1648081
CE10	341	maker-pag1_scaffold_650-snap-gene-0.10-mRNA-1	404	6.20E-36	81	331	133	387	0.73313783	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_650-snap-gene-0.10-mRNA-1	Oomycete	pyap	pyap_16500101	pyap_16500101
CE10	341	maker-pag1_scaffold_650-fgenesh-gene-0.1-mRNA-1	711	4.60E-33	70	335	434	701	0.7771261	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_650-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1650011	pyap_1650011
CE10	341	maker-pag1_scaffold_650-fgenesh-gene-0.1-mRNA-1	711	4.00E-20	87	208	163	296	0.35483871	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_650-fgenesh-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1650011	pyap_1650011
GH109	126	maker-pag1_scaffold_651-snap-gene-0.9-mRNA-1	359	2.50E-12	1	116	13	119	0.912698413	Pythium_aphanidermatum	Pythium	GH109_maker-pag1_scaffold_651-snap-gene-0.9-mRNA-1	Oomycete	pyap	pyap_1651091	pyap_1651091
CE1	227	maker-pag1_scaffold_655-fgenesh-gene-0.3-mRNA-1	410	0.00000034	14	140	69	200	0.555066079	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_655-fgenesh-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1655031	pyap_1655031_secreted
GT71	264	maker-pag1_scaffold_669-snap-gene-0.10-mRNA-1	185	9.00E-19	176	264	3	87	0.333333333	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_669-snap-gene-0.10-mRNA-1	Oomycete	pyap	pyap_16690101	pyap_16690101
GT71	264	maker-pag1_scaffold_669-snap-gene-0.11-mRNA-1	581	1.00E-49	4	264	236	463	0.984848485	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_669-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_16690111	pyap_16690111
CBM50	40	maker-pag1_scaffold_67-snap-gene-0.62-mRNA-1	495	0.00000063	1	36	142	175	0.875	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_67-snap-gene-0.62-mRNA-1	Oomycete	pyap	pyap_1670621	pyap_1670621
GH16	189	maker-pag1_scaffold_674-fgenesh-gene-0.0-mRNA-1	944	1.70E-09	122	189	329	458	0.354497355	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_674-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1674001	pyap_1674001_secreted
GH28	325	maker-pag1_scaffold_674-fgenesh-gene-0.4-mRNA-1	361	2.30E-65	5	318	44	361	0.963076923	Pythium_aphanidermatum	Pythium	GH28_maker-pag1_scaffold_674-fgenesh-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1674041	pyap_1674041_secreted
GH16	189	maker-pag1_scaffold_679-fgenesh-gene-0.2-mRNA-1	658	6.60E-09	94	188	433	565	0.497354497	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_679-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1679021	pyap_1679021
GH16	189	maker-pag1_scaffold_679-fgenesh-gene-0.2-mRNA-1	658	0.00000025	3	99	63	232	0.507936508	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_679-fgenesh-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1679021	pyap_1679021
GT2	168	maker-pag1_scaffold_680-fgenesh-gene-0.0-mRNA-1	1144	2.10E-25	53	168	638	823	0.68452381	Pythium_aphanidermatum	Pythium	GT2_maker-pag1_scaffold_680-fgenesh-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1680001	pyap_1680001
GT8	257	maker-pag1_scaffold_680-snap-gene-0.6-mRNA-1	352	7.20E-32	24	255	91	319	0.898832685	Pythium_aphanidermatum	Pythium	GT8_maker-pag1_scaffold_680-snap-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1680061	pyap_1680061
CBM50	40	maker-pag1_scaffold_682-snap-gene-0.6-mRNA-1	742	0.00000033	4	39	601	640	0.875	Pythium_aphanidermatum	Pythium	CBM50_maker-pag1_scaffold_682-snap-gene-0.6-mRNA-1	Oomyc			

CE10	341	maker-pag1_scaffold_749-fgenes-h-gene-0.2-mRNA-1	595	4.30E-40	68	309	214	531	0.706744868	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_749-fgenes-h-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1749021	pyap_1749021
GT71	264	maker-pag1_scaffold_75-snap-gene-0.30-mRNA-1	530	1.30E-48	3	264	193	423	0.988636364	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_75-snap-gene-0.30-mRNA-1	Oomycete	pyap	pyap_1750301	pyap_1750301
CE4	130	maker-pag1_scaffold_76-fgenes-h-gene-0.15-mRNA-1	310	1.00E-13	25	124	85	184	0.761538462	Pythium_aphanidermatum	Pythium	CE4_maker-pag1_scaffold_76-fgenes-h-gene-0.15-mRNA-1	Oomycete	pyap	pyap_1760151	pyap_1760151
GH47	446	maker-pag1_scaffold_783-snap-gene-0.11-mRNA-1	320	1.10E-90	138	446	7	314	0.69058296	Pythium_aphanidermatum	Pythium	GH47_maker-pag1_scaffold_783-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_17830111	pyap_17830111
CBM32	124	fgenesh_masked-pag1_scaffold_785-abinit-gene-0.19-mRNA-1	138	3.40E-13	8	109	13	118	0.814516129	Pythium_aphanidermatum	Pythium	CBM32_fgenesh_masked-pag1_scaffold_785-abinit-gene-0.19-mRNA-1	Oomycete	pyap	pyap_17850191	pyap_17850191
GH15	361	maker-pag1_scaffold_790-snap-gene-0.9-mRNA-1	459	2.10E-63	13	358	38	446	0.95567867	Pythium_aphanidermatum	Pythium	GH15_maker-pag1_scaffold_790-snap-gene-0.9-mRNA-1	Oomycete	pyap	pyap_1790091	pyap_1790091
GT32	90	maker-pag1_scaffold_793-snap-gene-0.5-mRNA-1	333	3.40E-16	5	88	115	192	0.922222222	Pythium_aphanidermatum	Pythium	GT32_maker-pag1_scaffold_793-snap-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1793051	pyap_1793051
GT71	264	maker-pag1_scaffold_796-snap-gene-0.7-mRNA-1	497	8.90E-43	2	246	94	370	0.924242424	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_796-snap-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1796071	pyap_1796071
GT71	264	maker-pag1_scaffold_796-snap-gene-0.9-mRNA-1	358	1.20E-32	73	256	51	262	0.693181818	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_796-snap-gene-0.9-mRNA-1	Oomycete	pyap	pyap_1796091	pyap_1796091
AA7	458	maker-pag1_scaffold_8-fgenes-h-gene-0.15-mRNA-1	1607	3.70E-89	9	458	41	478	0.980349345	Pythium_aphanidermatum	Pythium	AA7_maker-pag1_scaffold_8-fgenes-h-gene-0.15-mRNA-1	Oomycete	pyap	pyap_180151	pyap_180151
AA11	191	maker-pag1_scaffold_804-snap-gene-0.11-mRNA-1	276	0.000000023	38	146	65	185	0.565445026	Pythium_aphanidermatum	Pythium	AA11_maker-pag1_scaffold_804-snap-gene-0.11-mRNA-1	Oomycete	pyap	pyap_18040111	pyap_18040111_secreted
SLH	42	maker-pag1_scaffold_807-fgenes-h-gene-0.0-mRNA-1	539	0.0000042	8	30	298	320	0.523809524	Pythium_aphanidermatum	Pythium	SLH_maker-pag1_scaffold_807-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1807001	pyap_1807001_secreted
GH18	296	fgenesh_masked-pag1_scaffold_808-abinit-gene-0.18-mRNA-1	333	1.20E-22	82	279	130	324	0.665540541	Pythium_aphanidermatum	Pythium	GH18_fgenesh_masked-pag1_scaffold_808-abinit-gene-0.18-mRNA-1	Oomycete	pyap	pyap_18080181	pyap_18080181_secreted
GT20	475	maker-pag1_scaffold_808-snap-gene-0.8-mRNA-1	1317	2.00E-106	8	337	99	448	0.692631579	Pythium_aphanidermatum	Pythium	GT20_maker-pag1_scaffold_808-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1808081	pyap_1808081
GT20	475	maker-pag1_scaffold_808-snap-gene-0.8-mRNA-1	1317	4.10E-64	326	473	514	737	0.309473684	Pythium_aphanidermatum	Pythium	GT20_maker-pag1_scaffold_808-snap-gene-0.8-mRNA-1	Oomycete	pyap	pyap_1808081	pyap_1808081
GH81	622	maker-pag1_scaffold_809-fgenes-h-gene-0.1-mRNA-1	779	3.50E-177	7	593	126	779	0.942122187	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_809-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1809011	pyap_1809011
GH16	189	maker-pag1_scaffold_81-snap-gene-0.29-mRNA-1	749	0.000000042	124	189	451	567	0.343915344	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_81-snap-gene-0.29-mRNA-1	Oomycete	pyap	pyap_1810291	pyap_1810291
GH16	189	maker-pag1_scaffold_81-snap-gene-0.29-mRNA-1	749	0.000000019	4	93	64	224	0.470899471	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_81-snap-gene-0.29-mRNA-1	Oomycete	pyap	pyap_1810291	pyap_1810291
GH16	189	maker-pag1_scaffold_81-fgenes-h-gene-0.3-mRNA-1	754	7.40E-11	112	189	413	554	0.407407407	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_81-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyap	pyap_181031	pyap_181031
GH16	189	maker-pag1_scaffold_81-fgenes-h-gene-0.3-mRNA-1	754	0.000000027	3	115	55	272	0.592592593	Pythium_aphanidermatum	Pythium	GH16_maker-pag1_scaffold_81-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyap	pyap_181031	pyap_181031
GH16	189	snap_masked-pag1_scaffold_81-abinit-gene-0.39-mRNA-1	687	2.70E-09	93	189	374	520	0.507936508	Pythium_aphanidermatum	Pythium	GH16_snap_masked-pag1_scaffold_81-abinit-gene-0.39-mRNA-1	Oomycete	pyap	pyap_1810391	pyap_1810391
GH16	189	snap_masked-pag1_scaffold_81-abinit-gene-0.39-mRNA-1	687	0.000000014	4	91	56	213	0.46031746	Pythium_aphanidermatum	Pythium	GH16_snap_masked-pag1_scaffold_81-abinit-gene-0.39-mRNA-1	Oomycete	pyap	pyap_1810391	pyap_1810391
GH5	275	maker-pag1_scaffold_8-snap-gene-1.15-mRNA-1	406	7.60E-26	9	213	100	390	0.741818182	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_8-snap-gene-1.15-mRNA-1	Oomycete	pyap	pyap_181151	pyap_181151_secreted
CBM63	78	maker-pag1_scaffold_8-fgenes-h-gene-1.5-mRNA-1	538	0.000000019	2	74	142	215	0.923076923	Pythium_aphanidermatum	Pythium	CBM63_maker-pag1_scaffold_8-fgenes-h-gene-1.5-mRNA-1	Oomycete	pyap	pyap_18151	pyap_18151
CE1	227	snap_masked-pag1_scaffold_821-abinit-gene-0.7-mRNA-1	195	0.00000015	85	193	35	130	0.4757770925	Pythium_aphanidermatum	Pythium	CE1_snap_masked-pag1_scaffold_821-abinit-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1821071	pyap_1821071
GH43	248	maker-pag1_scaffold_827-fgenes-h-gene-0.0-mRNA-1	324	6.20E-43	11	247	35	321	0.951612903	Pythium_aphanidermatum	Pythium	GH43_maker-pag1_scaffold_827-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1827001	pyap_1827001_secreted
CBM40	179	maker-pag1_scaffold_83-snap-gene-0.58-mRNA-1	281	0.00085	106	174	52	119	0.379888268	Pythium_aphanidermatum	Pythium	CBM40_maker-pag1_scaffold_83-snap-gene-0.58-mRNA-1	Oomycete	pyap	pyap_1830581	pyap_1830581
CE12	210	maker-pag1_scaffold_83-fgenes-h-gene-0.1-mRNA-1	228	3.70E-15	2	204	23	217	0.961904762	Pythium_aphanidermatum	Pythium	CE12_maker-pag1_scaffold_83-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1832011	pyap_1832011_secreted
CE12	210	maker-pag1_scaffold_832-snap-gene-0.4-mRNA-1	246	6.70E-18	3	205	46	235	0.961904762	Pythium_aphanidermatum	Pythium	CE12_maker-pag1_scaffold_832-snap-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1832041	pyap_1832041
GH17	311	maker-pag1_scaffold_84-fgenes-h-gene-0.8-mRNA-1	449	2.70E-18	27	306	97	339	0.897106109	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_84-fgenes-h-gene-0.8-mRNA-1	Oomycete	pyap	pyap_184081	pyap_184081_secreted
GT71	264	maker-pag1_scaffold_842-fgenes-h-gene-0.0-mRNA-1	511	8.50E-45	2	259	76	383	0.973484849	Pythium_aphanidermatum	Pythium	GT71_maker-pag1_scaffold_842-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1842001	pyap_1842001
GT31	192	maker-pag1_scaffold_847-fgenes-h-gene-0.1-mRNA-1	734	2.60E-17	49	183	123	270	0.697916667	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_847-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1847011	pyap_1847011_secreted
GT31	192	maker-pag1_scaffold_847-fgenes-h-gene-0.1-mRNA-1	734	4.60E-17	46	183	475	625	0.713541667	Pythium_aphanidermatum	Pythium	GT31_maker-pag1_scaffold_847-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1847011	pyap_1847011_secreted
GT8	257	maker-pag1_scaffold_85-fgenes-h-gene-0.8-mRNA-1	535	1.20E-27	37	234	76	265	0.766536965	Pythium_aphanidermatum	Pythium	GT8_maker-pag1_scaffold_85-fgenes-h-gene-0.8-mRNA-1	Oomycete	pyap	pyap_185081	pyap_185081
CE1	227	maker-pag1_scaffold_858-snap-gene-0.5-mRNA-1	349	4.10E-11	10	217	73	333	0.911894273	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_858-snap-gene-0.5-mRNA-1	Oomycete	pyap	pyap_1858051	pyap_1858051
CBM9	182	maker-pag1_scaffold_86-fgenes-h-gene-0.18-mRNA-1	397	1.60E-31	1	181	46	277	0.989010989	Pythium_aphanidermatum	Pythium	CBM9_maker-pag1_scaffold_86-fgenes-h-gene-0.18-mRNA-1	Oomycete	pyap	pyap_1860181	pyap_1860181_secreted
CE10	341	maker-pag1_scaffold_868-fgenes-h-gene-0.0-mRNA-1	530	2.30E-38	39	242	51	260	0.595307918	Pythium_aphanidermatum	Pythium	CE10_maker-pag1_scaffold_868-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1868001	pyap_1868001
GH5	275	maker-pag1_scaffold_871-snap-gene-0.6-mRNA-1	326	2.10E-33	97	245	32	231	0.538181818	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_871-snap-gene-0.6-mRNA-1	Oomycete	pyap	pyap_1871061	pyap_1871061_secreted
GH28	325	maker-pag1_scaffold_872-snap-gene-0.4-mRNA-1	158	4.10E-27	175	318	4	158	0.44	Pythium_aphanidermatum	Pythium	GH28_maker-pag1_scaffold_872-snap-gene-0.4-mRNA-1	Oomycete	pyap	pyap_1872041	pyap_1872041
GT66	693	maker-pag1_scaffold_88-fgenes-h-gene-0.13-mRNA-1	886	3.00E-170	11	603	65	695	0.854256854	Pythium_aphanidermatum	Pythium	GT66_maker-pag1_scaffold_88-fgenes-h-gene-0.13-mRNA-1	Oomycete	pyap	pyap_1880131	pyap_1880131
GT20	475	maker-pag1_scaffold_885-snap-gene-0.7-mRNA-1	874	2.60E-152	11	474	53	519	0.974736842	Pythium_aphanidermatum	Pythium	GT20_maker-pag1_scaffold_885-snap-gene-0.7-mRNA-1	Oomycete	pyap	pyap_1885071	pyap_1885071
GH17	311	maker-pag1_scaffold_887-fgenes-h-gene-0.0-mRNA-1	485	1.50E-17	24	306	80	324	0.906752412	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_887-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1887001	pyap_1887001_secreted
GH17	311	maker-pag1_scaffold_887-fgenes-h-gene-0.1-mRNA-1	423	4.30E-12	73	306	14	210	0.749196142	Pythium_aphanidermatum	Pythium	GH17_maker-pag1_scaffold_887-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1887011	pyap_1887011
SLH	42	maker-pag1_scaffold_891-fgenes-h-gene-0.0-mRNA-1	1005	0.00068	7	34	799	826	0.642857143	Pythium_aphanidermatum	Pythium	SLH_maker-pag1_scaffold_891-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1891001	pyap_1891001_secreted
GH109	126	maker-pag1_scaffold_90-snap-gene-0.38-mRNA-1	345	2.80E-13	1	118	5	113	0.928571429	Pythium_aphanidermatum	Pythium	GH109_maker-pag1_scaffold_90-snap-gene-0.38-mRNA-1	Oomycete	pyap	pyap_1900381	pyap_1900381
GT1	382	snap_masked-pag1_scaffold_90-abinit-gene-0.75-mRNA-1	556	2.10E-26	202	380	265	458	0.465968586	Pythium_aphanidermatum	Pythium	GT1_snap_masked-pag1_scaffold_90-abinit-gene-0.75-mRNA-1	Oomycete	pyap	pyap_1900751	pyap_1900751
GH81	622	maker-pag1_scaffold_901-snap-gene-0.1-mRNA-1	334	2.70E-105	336	621	21	325	0.458199357	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_901-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1901011	pyap_1901011
GH81	622	maker-pag1_scaffold_901-snap-gene-0.2-mRNA-1	392	9.10E-38	16	263	33	353	0.397106109	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_901-snap-gene-0.2-mRNA-1	Oomycete	pyap	pyap_1901021	pyap_1901021
GH47	446	maker-pag1_scaffold_9-fgenes-h-gene-0.14-mRNA-1	688	6.30E-53	2	228	382	589	0.506726457	Pythium_aphanidermatum	Pythium	GH47_maker-pag1_scaffold_9-fgenes-h-gene-0.14-mRNA-1	Oomycete	pyap	pyap_190141	pyap_190141
GH5	275	maker-pag1_scaffold_912-fgenes-h-gene-0.0-mRNA-1	567	1.20E-31	5	244	166	520	0.869090909	Pythium_aphanidermatum	Pythium	GH5_maker-pag1_scaffold_912-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1912001	pyap_1912001
CE11	271	maker-pag1_scaffold_94-snap-gene-0.28-mRNA-1	334	6.10E-66	2	270	6	323	0.988929889	Pythium_aphanidermatum	Pythium	CE11_maker-pag1_scaffold_94-snap-gene-0.28-mRNA-1	Oomycete	pyap	pyap_1940281	pyap_1940281
GT32	90	maker-pag1_scaffold_942-snap-gene-0.1-mRNA-1	270	1.80E-14	16	88	20	89	0.8	Pythium_aphanidermatum	Pythium	GT32_maker-pag1_scaffold_942-snap-gene-0.1-mRNA-1	Oomycete	pyap	pyap_1942011	pyap_1942011
GH31	427	maker-pag1_scaffold_949-fgenes-h-gene-0.3-mRNA-1	628	3.50E-78	5	392	212	628	0.906323185	Pythium_aphanidermatum	Pythium	GH31_maker-pag1_scaffold_949-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyap	pyap_1949031	pyap_1949031
CBM47	128	maker-pag1_scaffold_95-snap-gene-0.16-mRNA-1	2556	0.00000068	3	76	1167	1234	0.5703125	Pythium_aphanidermatum	Pythium	CBM47_maker-pag1_scaffold_95-snap-gene-0.16-mRNA-1	Oomycete	pyap	pyap_1950161	pyap_1950161_secreted
GH81	622	maker-pag1_scaffold_956-fgenes-h-gene-0.0-mRNA-1	737	4.20E-183	10	621	63	731	0.982315113	Pythium_aphanidermatum	Pythium	GH81_maker-pag1_scaffold_956-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyap	pyap_1956001	pyap_1956001_secreted
GH31	427	snap_masked-pag1_scaffold_958-abinit-gene-0.14-mRNA-1	296	8.50E-46	100	396	1	294	0.693208431	Pythium_aphanidermatum	Pythium	GH31_snap_masked-pag1_scaffold_958-abinit-gene-0.14-mRNA-1	Oomycete	pyap	pyap_19580141	pyap_19580141
CE1	227	maker-pag1_scaffold_96-snap-gene-0.21-mRNA-1	310	1.60E-12	29	210	52	283	0.797356828	Pythium_aphanidermatum	Pythium	CE1_maker-pag1_scaffold_96-snap-gene-0.21-mRNA-1	Oomycete	pyap	pyap_1960211	pyap_1960211
GT4	160	maker-pag1_scaffold_96-snap-gene-0.34-mRNA-1	445	5.20E-37	7	148	249	402	0.88125	Pythium_aphanidermatum	Pythium	GT4_maker-pag1_scaffold_96-snap-gene-0.34-mRNA-1	Oomycete	pyap	pyap_1960341	

CE1	227	maker-par_contig_1-snap-gene-0.28-mRNA-1	381	0.000000025	87	202	187	348	0.50660793	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_1-snap-gene-0.28-mRNA-1	Oomycete	pyar	pyar_10281	pyar_10281
GH31	427	maker-par_contig_103-snap-gene-0.24-mRNA-1	1163	2.10E-109	3	427	355	915	0.992974239	Pythium_arrhenomanes	Pythium	GH31_maker-par_contig_103-snap-gene-0.24-mRNA-1	Oomycete	pyar	pyar_1030241	pyar_1030241
GT22	389	snap_masked-par_contig_103-abinit-gene-0.35-mRNA-1	487	8.30E-83	4	365	8	394	0.928020566	Pythium_arrhenomanes	Pythium	GT22_snap_masked-par_contig_103-abinit-gene-0.35-mRNA-1	Oomycete	pyar	pyar_1030351	pyar_1030351
CE10	341	maker-par_contig_103-fgenesh-gene-0.8-mRNA-1	740	2.20E-43	94	337	495	737	0.712609971	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_103-fgenesh-gene-0.8-mRNA-1	Oomycete	pyar	pyar_103081	pyar_103081
GT10	347	maker-par_contig_1-snap-gene-0.31-mRNA-1	692	5.50E-29	161	306	496	647	0.417867435	Pythium_arrhenomanes	Pythium	GT10_maker-par_contig_1-snap-gene-0.31-mRNA-1	Oomycete	pyar	pyar_10311	pyar_10311
GT31	192	maker-par_contig_1-snap-gene-0.31-mRNA-1	692	2.00E-23	2	122	34	168	0.625	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1-snap-gene-0.31-mRNA-1	Oomycete	pyar	pyar_10311	pyar_10311
GH5	275	maker-par_contig_1032-fgenesh-gene-0.1-mRNA-1	479	1.30E-40	5	240	19	332	0.854545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_1032-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1032011	pyar_1032011_secretred
GT31	192	maker-par_contig_1-snap-gene-0.33-mRNA-1	913	2.80E-20	3	191	90	274	0.979166667	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1-snap-gene-0.33-mRNA-1	Oomycete	pyar	pyar_10331	pyar_10331_secretred
GH81	622	maker-par_contig_1035-snap-gene-0.7-mRNA-1	682	2.40E-83	393	621	448	676	0.366559486	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_1035-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_1035071	pyar_1035071_secretred
GH81	622	maker-par_contig_1035-snap-gene-0.7-mRNA-1	682	2.00E-64	17	358	52	447	0.548231511	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_1035-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_1035071	pyar_1035071_secretred
GT57	481	maker-par_contig_104-snap-gene-0.27-mRNA-1	533	7.40E-142	2	480	36	507	0.993762994	Pythium_arrhenomanes	Pythium	GT57_maker-par_contig_104-snap-gene-0.27-mRNA-1	Oomycete	pyar	pyar_1040271	pyar_1040271
GT20	475	maker-par_contig_1055-fgenesh-gene-0.1-mRNA-1	997	1.80E-104	55	473	24	514	0.88	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_1055-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1055011	pyar_1055011
GT20	475	maker-par_contig_106-fgenesh-gene-0.3-mRNA-1	914	3.90E-137	16	473	17	537	0.962105263	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_106-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_106031	pyar_106031
AA6	195	maker-par_contig_1074-snap-gene-0.5-mRNA-1	204	2.30E-74	1	195	3	197	0.994871795	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_1074-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_1074051	pyar_1074051
GT31	192	maker-par_contig_1-fgenesh-gene-0.8-mRNA-1	475	5.90E-34	2	185	111	309	0.953125	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1-fgenesh-gene-0.8-mRNA-1	Oomycete	pyar	pyar_1081	pyar_1081_secretred
GT2	168	maker-par_contig_1085-fgenesh-gene-0.1-mRNA-1	1063	0.00000014	2	110	384	574	0.642857143	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_1085-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1085011	pyar_1085011
CBM9	182	maker-par_contig_109-snap-gene-0.20-mRNA-1	417	9.40E-25	2	150	39	224	0.813186813	Pythium_arrhenomanes	Pythium	CBM9_maker-par_contig_109-snap-gene-0.20-mRNA-1	Oomycete	pyar	pyar_1090201	pyar_1090201
CE1	227	snap_masked-par_contig_109-abinit-gene-0.30-mRNA-1	227	0.000000054	26	149	8	169	0.54185022	Pythium_arrhenomanes	Pythium	CE1_snap_masked-par_contig_109-abinit-gene-0.30-mRNA-1	Oomycete	pyar	pyar_1090301	pyar_1090301
GH18	296	fgenesh_masked-par_contig_1-abinit-gene-0.98-mRNA-1	342	3.00E-21	24	180	83	269	0.527027027	Pythium_arrhenomanes	Pythium	GH18_fgenesh_masked-par_contig_1-abinit-gene-0.98-mRNA-1	Oomycete	pyar	pyar_10981	pyar_10981_secretred
CE1	227	maker-par_contig_1111-snap-gene-0.6-mRNA-1	309	0.000000001	29	134	63	166	0.462555066	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_1111-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_1111061	pyar_1111061
GT4	160	maker-par_contig_1124-snap-gene-0.5-mRNA-1	318	1.00E-16	9	127	183	316	0.7375	Pythium_arrhenomanes	Pythium	GT4_maker-par_contig_1124-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_1124051	pyar_1124051
AA11	191	maker-par_contig_1126-fgenesh-gene-0.2-mRNA-1	381	0.0000043	18	144	29	180	0.659685864	Pythium_arrhenomanes	Pythium	AA11_maker-par_contig_1126-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1126021	pyar_1126021_secretred
CBM25	78	maker-par_contig_1160-snap-gene-0.3-mRNA-1	1236	0.000000016	4	69	39	107	0.833333333	Pythium_arrhenomanes	Pythium	CBM25_maker-par_contig_1160-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1160031	pyar_1160031_secretred
GH31	427	maker-par_contig_1160-snap-gene-0.3-mRNA-1	1236	2.70E-80	2	256	376	697	0.594847775	Pythium_arrhenomanes	Pythium	GH31_maker-par_contig_1160-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1160031	pyar_1160031_secretred
GH31	427	maker-par_contig_1160-snap-gene-0.3-mRNA-1	1236	9.90E-57	270	427	854	1014	0.367681499	Pythium_arrhenomanes	Pythium	GH31_maker-par_contig_1160-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1160031	pyar_1160031_secretred
GH31	427	maker-par_contig_1160-snap-gene-0.4-mRNA-1	870	1.60E-149	3	427	316	807	0.992974239	Pythium_arrhenomanes	Pythium	GH31_maker-par_contig_1160-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_1160041	pyar_1160041
GT31	192	maker-par_contig_1-snap-gene-1.7-mRNA-1	770	8.90E-35	2	189	51	253	0.973958333	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1-snap-gene-1.7-mRNA-1	Oomycete	pyar	pyar_1171	pyar_1171
AA8	815	maker-par_contig_119-snap-gene-0.20-mRNA-1	687	1.70E-47	350	720	105	470	0.45398773	Pythium_arrhenomanes	Pythium	AA8_maker-par_contig_119-snap-gene-0.20-mRNA-1	Oomycete	pyar	pyar_1190201	pyar_1190201_secretred
CBM32	124	maker-par_contig_12-fgenesh-gene-0.13-mRNA-1	374	0.00011	36	107	44	119	0.572580645	Pythium_arrhenomanes	Pythium	CBM32_maker-par_contig_12-fgenesh-gene-0.13-mRNA-1	Oomycete	pyar	pyar_120131	pyar_120131
GH5	275	maker-par_contig_12-snap-gene-0.19-mRNA-1	362	2.10E-29	22	205	80	310	0.665454546	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_12-snap-gene-0.19-mRNA-1	Oomycete	pyar	pyar_120191	pyar_120191_secretred
GT71	264	maker-par_contig_12-fgenesh-gene-0.7-mRNA-1	617	3.90E-44	2	244	25	275	0.916666667	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_12-fgenesh-gene-0.7-mRNA-1	Oomycete	pyar	pyar_12071	pyar_12071
GT71	264	maker-par_contig_12-fgenesh-gene-0.7-mRNA-1	617	2.90E-27	2	184	387	583	0.689393939	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_12-fgenesh-gene-0.7-mRNA-1	Oomycete	pyar	pyar_12071	pyar_12071
GH1	429	maker-par_contig_1217-fgenesh-gene-0.1-mRNA-1	474	3.80E-173	4	428	6	471	0.988344988	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_1217-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1217011	pyar_1217011
GT58	364	maker-par_contig_1238-fgenesh-gene-0.1-mRNA-1	987	2.30E-136	2	364	49	402	0.994505495	Pythium_arrhenomanes	Pythium	GT58_maker-par_contig_1238-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1238011	pyar_1238011
PL4	567	maker-par_contig_1251-snap-gene-0.2-mRNA-1	438	7.60E-46	337	561	162	420	0.395061728	Pythium_arrhenomanes	Pythium	PL4_maker-par_contig_1251-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1251021	pyar_1251021
PL4	567	maker-par_contig_1251-snap-gene-0.3-mRNA-1	492	8.70E-60	281	561	214	474	0.493827161	Pythium_arrhenomanes	Pythium	PL4_maker-par_contig_1251-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1251031	pyar_1251031_secretred
PL4	567	maker-par_contig_1251-snap-gene-0.3-mRNA-1	492	3.20E-25	2	215	17	210	0.375661376	Pythium_arrhenomanes	Pythium	PL4_maker-par_contig_1251-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1251031	pyar_1251031_secretred
GT71	264	maker-par_contig_1268-fgenesh-gene-0.1-mRNA-1	460	6.20E-47	2	247	58	336	0.928030033	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_1268-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1268011	pyar_1268011_secretred
GT71	264	maker-par_contig_1268-fgenesh-gene-0.3-mRNA-1	505	5.10E-41	2	259	95	400	0.973484849	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_1268-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1268031	pyar_1268031
CE11	271	fgenesh_masked-par_contig_1311-abinit-gene-0.12-mRNA-1	342	3.50E-67	1	270	11	325	0.992619926	Pythium_arrhenomanes	Pythium	CE11_fgenesh_masked-par_contig_1311-abinit-gene-0.12-mRNA-1	Oomycete	pyar	pyar_13110121	pyar_13110121
GH81	622	maker-par_contig_132-fgenesh-gene-0.2-mRNA-1	1403	5.40E-37	148	370	305	562	0.356913183	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_132-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_132021	pyar_132021
GH81	622	maker-par_contig_132-fgenesh-gene-0.2-mRNA-1	1403	2.90E-32	7	194	65	305	0.300643087	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_132-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_132021	pyar_132021
GT60	330	maker-par_contig_1333-fgenesh-gene-0.4-mRNA-1	509	4.00E-59	1	329	67	380	0.993939394	Pythium_arrhenomanes	Pythium	GT60_maker-par_contig_1333-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_1333041	pyar_1333041
GH37	491	maker-par_contig_135-snap-gene-0.27-mRNA-1	599	1.50E-131	5	491	59	594	0.898816701	Pythium_arrhenomanes	Pythium	GH37_maker-par_contig_135-snap-gene-0.27-mRNA-1	Oomycete	pyar	pyar_1350271	pyar_1350271_secretred
GH1	429	maker-par_contig_1354-snap-gene-0.3-mRNA-1	525	4.40E-128	2	427	28	471	0.990675991	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_1354-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1354031	pyar_1354031
GH5	275	maker-par_contig_1356-snap-gene-0.1-mRNA-1	148	2.10E-15	83	175	1	130	0.334545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_1356-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1356011	pyar_1356011
CBM20	90	maker-par_contig_1359-snap-gene-0.5-mRNA-1	1033	5.70E-15	16	86	25	104	0.777777778	Pythium_arrhenomanes	Pythium	CBM20_maker-par_contig_1359-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_1359051	pyar_1359051
CBM47	128	maker-par_contig_1359-snap-gene-0.5-mRNA-1	1033	7.40E-10	2	58	114	177	0.4375	Pythium_arrhenomanes	Pythium	CBM47_maker-par_contig_1359-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_1359051	pyar_1359051
GT4	160	maker-par_contig_1362-fgenesh-gene-0.0-mRNA-1	517	0.00053	68	136	359	427	0.425	Pythium_arrhenomanes	Pythium	GT4_maker-par_contig_1362-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1362001	pyar_1362001
CE14	124	maker-par_contig_137-fgenesh-gene-0.13-mRNA-1	300	9.80E-14	1	124	51	169	0.991935484	Pythium_arrhenomanes	Pythium	CE14_maker-par_contig_137-fgenesh-gene-0.13-mRNA-1	Oomycete	pyar	pyar_1370131	pyar_1370131
CE10	341	maker-par_contig_1383-snap-gene-0.1-mRNA-1	563	2.40E-32	76	188	105	238	0.328445748	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1383-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1383011	pyar_1383011_secretred
GT62	268	maker-par_contig_1392-snap-gene-0.2-mRNA-1	323	2.70E-31	7	266	51	277	0.96641791	Pythium_arrhenomanes	Pythium	GT62_maker-par_contig_1392-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1392021	pyar_1392021
GH6	294	maker-par_contig_1428-snap-gene-0.4-mRNA-1	455	2.70E-56	9	290	46	305	0.955782313	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_1428-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_1428041	pyar_1428041_secretred
GT59	404	maker-par_contig_143-snap-gene-0.22-mRNA-1	435	3.80E-89	6	328	34	377	0.797029703	Pythium_arrhenomanes	Pythium	GT59_maker-par_contig_143-snap-gene-0.22-mRNA-1	Oomycete	pyar	pyar_1430221	pyar_1430221
GT66	693	maker-par_contig_1431-snap-gene-0.2-mRNA-1	765	1.50E-135	36	600	17	714	0.813852814	Pythium_arrhenomanes	Pythium	GT66_maker-par_contig_1431-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1431021	pyar_1431021
CE10	341	maker-par_contig_1440-fgenesh-gene-0.3-mRNA-1	535	6.90E-41	71	309	213	471	0.697947214	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1440-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1440031	pyar_1440031
GH17	311	maker-par_contig_144-fgenesh-gene-0.2-mRNA-1	335	4.10E-22	9	286	45	311	0.890675241	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_144-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_144021	pyar_144021_secretred
GH16	189	maker-par_contig_1458-fgenesh-gene-0.3-mRNA-1	370	0.00000023	67	138	133	229	0.375661376	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_1458-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1458031	pyar_1458031
CE12	210	maker-par_contig_146-fgenesh-gene-0.5-mRNA-1	325	1.80E-10	27	159	51	195	0.628571429	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_146-fgenesh-gene-0.5-mRNA-1	Oomycete	pyar	pyar_146051	pyar_146051
CE3	194	maker-par_contig_1464-fgenesh-gene-0.1-mRNA-1	267	0.000000019	75	191	119	237	0.597938144	Pythium_arrhenomanes						

GT22	389	maker-par_contig_159-fgenesh-gene-0.0-mRNA-1	716	7.10E-29	3	180	16	226	0.455012854	Pythium_arrhenomanes	Pythium	GT22_maker-par_contig_159-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_159001	pyar_159001
GT22	389	maker-par_contig_159-fgenesh-gene-0.0-mRNA-1	716	1.50E-27	183	357	394	562	0.447300771	Pythium_arrhenomanes	Pythium	GT22_maker-par_contig_159-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_159001	pyar_159001
GT71	264	maker-par_contig_16-snap-gene-0.38-mRNA-1	314	3.00E-24	73	199	27	173	0.477272727	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_16-snap-gene-0.38-mRNA-1	Oomycete	pyar	pyar_160381	pyar_160381
GH81	622	maker-par_contig_1613-snap-gene-0.1-mRNA-1	1177	6.60E-154	12	622	81	762	0.980707396	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_1613-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1613011	pyar_1613011
AA8	815	maker-par_contig_162-snap-gene-0.5-mRNA-1	819	9.70E-76	236	752	19	536	0.633128834	Pythium_arrhenomanes	Pythium	AA8_maker-par_contig_162-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_162051	pyar_162051_secreted
GH3	216	maker-par_contig_1626-snap-gene-0.3-mRNA-1	831	1.00E-57	6	206	148	357	0.925925926	Pythium_arrhenomanes	Pythium	GH3_maker-par_contig_1626-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1626031	pyar_1626031_secreted
GH109	126	maker-par_contig_1655-snap-gene-0.5-mRNA-1	684	0.00000028	70	118	64	112	0.380952381	Pythium_arrhenomanes	Pythium	GH109_maker-par_contig_1655-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_1655051	pyar_1655051
AA8	815	maker-par_contig_166-snap-gene-0.15-mRNA-1	391	9.70E-19	506	765	222	476	0.317791411	Pythium_arrhenomanes	Pythium	AA8_maker-par_contig_166-snap-gene-0.15-mRNA-1	Oomycete	pyar	pyar_1660151	pyar_1660151_secreted
GT1	382	maker-par_contig_1674-snap-gene-0.2-mRNA-1	823	8.90E-18	86	376	339	669	0.759162304	Pythium_arrhenomanes	Pythium	GT1_maker-par_contig_1674-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1674021	pyar_1674021
GT31	192	maker-par_contig_1687-fgenesh-gene-0.1-mRNA-1	437	3.80E-19	5	187	133	320	0.947916667	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1687-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1687011	pyar_1687011
GT31	192	maker-par_contig_1687-snap-gene-0.3-mRNA-1	433	1.60E-16	49	188	175	329	0.723958333	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_1687-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1687031	pyar_1687031_secreted
CE10	341	maker-par_contig_1691-fgenesh-gene-0.0-mRNA-1	531	2.40E-29	72	208	111	261	0.39882698	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1691-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1691001	pyar_1691001_secreted
CE10	341	fgenesh_masked-par_contig_1691-abinit-gene-0.11-mRNA-1	1208	1.90E-30	72	215	759	916	0.419354839	Pythium_arrhenomanes	Pythium	CE10_fgenesh_masked-par_contig_1691-abinit-gene-0.11-mRNA-1	Oomycete	pyar	pyar_1691011	pyar_1691011
AA2	255	maker-par_contig_1703-snap-gene-0.1-mRNA-1	448	5.50E-23	25	253	214	439	0.894117647	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_1703-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1703011	pyar_1703011
AA2	255	maker-par_contig_1703-snap-gene-0.1-mRNA-1	448	0.00000024	122	253	4	174	0.51372549	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_1703-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1703011	pyar_1703011
GH1	429	maker-par_contig_1707-snap-gene-0.3-mRNA-1	535	1.00E-137	2	428	27	515	0.993006993	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_1707-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1727031	pyar_1727031_secreted
CE5	189	maker-par_contig_173-fgenesh-gene-0.0-mRNA-1	737	0.0004	65	122	269	342	0.301587302	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_173-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_173001	pyar_173001
CE1	227	maker-par_contig_1740-snap-gene-0.2-mRNA-1	333	1.40E-17	5	139	52	185	0.59030837	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_1740-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1740021	pyar_1740021
CE1	227	maker-par_contig_1740-snap-gene-0.2-mRNA-1	333	0.000000012	105	174	206	260	0.303964758	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_1740-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1740021	pyar_1740021
CE10	341	maker-par_contig_1765-snap-gene-0.3-mRNA-1	578	6.50E-37	69	207	93	245	0.404692082	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1765-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1765031	pyar_1765031_secreted
GH3	216	maker-par_contig_177-fgenesh-gene-0.0-mRNA-1	652	1.00E-59	35	215	107	319	0.833333333	Pythium_arrhenomanes	Pythium	GH3_maker-par_contig_177-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_177001	pyar_177001_secreted
GH5	275	maker-par_contig_177-fgenesh-gene-0.1-mRNA-1	583	8.20E-28	21	238	204	521	0.789090909	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_177-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_177011	pyar_177011
CE10	341	snap_masked-par_contig_1775-abinit-gene-0.15-mRNA-1	270	2.30E-33	81	208	23	159	0.372434018	Pythium_arrhenomanes	Pythium	CE10_snap_masked-par_contig_1775-abinit-gene-0.15-mRNA-1	Oomycete	pyar	pyar_1775015	pyar_1775015
CE2	209	maker-par_contig_179-fgenesh-gene-0.1-mRNA-1	1212	4.90E-49	1	209	218	437	0.995215311	Pythium_arrhenomanes	Pythium	CE2_maker-par_contig_179-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_179011	pyar_179011
GH3	216	maker-par_contig_1796-snap-gene-0.3-mRNA-1	556	2.20E-36	65	207	115	259	0.657407407	Pythium_arrhenomanes	Pythium	GH3_maker-par_contig_1796-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1796031	pyar_1796031
GH3	216	maker-par_contig_1796-snap-gene-0.4-mRNA-1	481	3.70E-59	5	215	66	287	0.972222222	Pythium_arrhenomanes	Pythium	GH3_maker-par_contig_1796-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_1796041	pyar_1796041
GH16	189	maker-par_contig_181-snap-gene-0.11-mRNA-1	781	0.00000053	128	186	504	594	0.306878307	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_181-snap-gene-0.11-mRNA-1	Oomycete	pyar	pyar_1810111	pyar_1810111
CE10	341	maker-par_contig_1819-fgenesh-gene-0.0-mRNA-1	409	5.00E-40	93	336	140	390	0.712609971	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1819-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1819001	pyar_1819001
CE10	341	maker-par_contig_1819-fgenesh-gene-0.1-mRNA-1	332	1.80E-20	167	334	156	315	0.48973607	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1819-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1819011	pyar_1819011
CE10	341	maker-par_contig_1819-fgenesh-gene-0.3-mRNA-1	426	2.60E-36	62	336	125	402	0.803519062	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_1819-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1819031	pyar_1819031
GH16	189	maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	1564	1.90E-09	112	189	1215	1345	0.407407407	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1846001	pyar_1846001
GH16	189	maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	1564	6.60E-09	3	97	839	1003	0.497354497	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1846001	pyar_1846001
GH16	189	maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	1564	0.000000036	76	189	351	530	0.597883598	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1846001	pyar_1846001
GH16	189	maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	1564	0.000000051	3	115	56	247	0.592592593	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_1846-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1846001	pyar_1846001
CBM63	78	maker-par_contig_186-fgenesh-gene-0.1-mRNA-1	372	0.000000012	2	75	129	203	0.935897436	Pythium_arrhenomanes	Pythium	CBM63_maker-par_contig_186-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_186011	pyar_186011
CBM13	188	fgenesh_masked-par_contig_1869-abinit-gene-0.2-mRNA-1	1467	6.90E-14	7	135	1212	1345	0.686170213	Pythium_arrhenomanes	Pythium	CBM13_fgenesh_masked-par_contig_1869-abinit-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1869021	pyar_1869021
CBM13	188	fgenesh_masked-par_contig_1869-abinit-gene-0.2-mRNA-1	1467	1.70E-11	5	135	1003	1130	0.691489362	Pythium_arrhenomanes	Pythium	CBM13_fgenesh_masked-par_contig_1869-abinit-gene-0.2-mRNA-1	Oomycete	pyar	pyar_1869021	pyar_1869021
CE13	355	maker-par_contig_1876-snap-gene-0.1-mRNA-1	389	1.40E-19	27	162	60	209	0.38028169	Pythium_arrhenomanes	Pythium	CE13_maker-par_contig_1876-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_1876011	pyar_1876011_secreted
GT4	160	maker-par_contig_189-fgenesh-gene-0.7-mRNA-1	639	2.60E-25	10	156	458	606	0.9125	Pythium_arrhenomanes	Pythium	GT4_maker-par_contig_189-fgenesh-gene-0.7-mRNA-1	Oomycete	pyar	pyar_189071	pyar_189071
GH123	538	fgenesh_masked-par_contig_1892-abinit-gene-0.3-mRNA-1	1589	5.60E-57	104	497	1018	1488	0.730483271	Pythium_arrhenomanes	Pythium	GH123_fgenesh_masked-par_contig_1892-abinit-gene-0.3-mRNA-1	Oomycete	pyar	pyar_1892031	pyar_1892031
GH47	446	maker-par_contig_190-fgenesh-gene-0.1-mRNA-1	443	1.10E-135	1	446	1	441	0.997757848	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_190-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_190011	pyar_190011
CBM51	134	maker-par_contig_19-snap-gene-0.21-mRNA-1	5121	2.80E-14	2	134	809	968	0.985074627	Pythium_arrhenomanes	Pythium	CBM51_maker-par_contig_19-snap-gene-0.21-mRNA-1	Oomycete	pyar	pyar_190211	pyar_190211
GT48	739	maker-par_contig_19-snap-gene-0.25-mRNA-1	1876	2.20E-257	2	693	453	1185	0.935047361	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_19-snap-gene-0.25-mRNA-1	Oomycete	pyar	pyar_190251	pyar_190251
GH17	311	maker-par_contig_1943-fgenesh-gene-0.0-mRNA-1	489	2.10E-18	28	306	101	343	0.893890675	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_1943-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1943001	pyar_1943001_secreted
GH63	570	maker-par_contig_195-snap-gene-0.6-mRNA-1	684	0.000000021	362	567	268	682	0.359649123	Pythium_arrhenomanes	Pythium	GH63_maker-par_contig_195-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_195061	pyar_195061
GT41	705	maker-par_contig_196-snap-gene-0.13-mRNA-1	801	6.90E-85	87	502	30	548	0.588652482	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_196-snap-gene-0.13-mRNA-1	Oomycete	pyar	pyar_1960131	pyar_1960131_secreted
PL3	197	maker-par_contig_1961-snap-gene-0.4-mRNA-1	331	5.80E-44	2	194	30	223	0.974619289	Pythium_arrhenomanes	Pythium	PL3_maker-par_contig_1961-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_1961041	pyar_1961041
CE13	355	maker-par_contig_1971-fgenesh-gene-0.0-mRNA-1	305	2.20E-12	76	183	7	130	0.301408451	Pythium_arrhenomanes	Pythium	CE13_maker-par_contig_1971-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_1971001	pyar_1971001
GT71	264	maker-par_contig_2015-snap-gene-0.2-mRNA-1	477	1.30E-20	2	112	160	263	0.416666667	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_2015-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_2015021	pyar_2015021
GT71	264	maker-par_contig_2015-snap-gene-0.2-mRNA-1	477	9.70E-17	173	264	277	365	0.34469697	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_2015-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_2015021	pyar_2015021
GH109	126	maker-par_contig_202-fgenesh-gene-0.10-mRNA-1	345	2.00E-13	1	121	5	116	0.952380952	Pythium_arrhenomanes	Pythium	GH109_maker-par_contig_202-fgenesh-gene-0.10-mRNA-1	Oomycete	pyar	pyar_2020101	pyar_2020101
GT60	330	maker-par_contig_2-fgenesh-gene-0.27-mRNA-1	4568	6.00E-32	2	290	76	357	0.872727273	Pythium_arrhenomanes	Pythium	GT60_maker-par_contig_2-fgenesh-gene-0.27-mRNA-1	Oomycete	pyar	pyar_20271	pyar_20271
CBM47	128	maker-par_contig_203-snap-gene-0.9-mRNA-1	1403	3.00E-22	3	128	1120	1263	0.9765625	Pythium_arrhenomanes	Pythium	CBM47_maker-par_contig_203-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_203091	pyar_203091
GH16	189	maker-par_contig_206-fgenesh-gene-0.3-mRNA-1	684	3.50E-09	122	189	405	528	0.354497355	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_206-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_206031	pyar_206031
GH16	189	maker-par_contig_206-fgenesh-gene-0.3-mRNA-1	684	0.00000002	4	108	60	233	0.55026455	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_206-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_206031	pyar_206031
GH81	622	maker-par_contig_2071-snap-gene-0.1-mRNA-1	893	1.00E-116	170	621	114	575	0.725080386	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_2071-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2071011	pyar_2071011
GT31	192	maker-par_contig_208-snap-gene-0.17-mRNA-1	333	2.60E-18	43	183	71	224	0.729166667	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_208-snap-gene-0.17-mRNA-1	Oomycete	pyar	pyar_2080171	pyar_2080171
AA6	195	maker-par_contig_2081-snap-gene-0.1-mRNA-1	201	4.00E-69	1	195	3	198	0.994871795	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_2081-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2081011	pyar_2081011
GT71	264	maker-par_contig_2086-snap-gene-0.2-mRNA-1	454	1.50E-44	2	262	90	384	0.984848485	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_2086-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_2086021	pyar_2086021
GT71	264	maker-par_contig_2086-snap-gene-0.3-mRNA-1	439	1.00E-43	2	262</										

GH5	275	maker-par_contig_2233-fgenesh-gene-0.1-mRNA-1	569	4.00E-13	69	178	5	169	0.396363636	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_2233-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2233011	pyar_2233011
GH5	275	maker-par_contig_2233-fgenesh-gene-0.1-mRNA-1	569	4.60E-13	79	236	334	516	0.570909091	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_2233-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2233011	pyar_2233011
GT20	475	maker-par_contig_2236-snap-gene-0.1-mRNA-1	1021	4.30E-130	12	348	167	523	0.707368421	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_2236-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2236011	pyar_2236011
GT31	192	maker-par_contig_230-fgenesh-gene-0.3-mRNA-1	2254	0.00012	49	117	188	256	0.354166667	Pythium_arrhenomanes	Pythium	GT31_maker-par_contig_230-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_230031	pyar_230031
GH47	446	maker-par_contig_230-snap-gene-0.8-mRNA-1	658	2.90E-51	200	445	199	442	0.549327354	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_230-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_230081	pyar_230081_secreted
GT8	257	maker-par_contig_233-fgenesh-gene-0.1-mRNA-1	449	6.30E-23	49	235	2	186	0.723735409	Pythium_arrhenomanes	Pythium	GT8_maker-par_contig_233-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_23011	pyar_23011
GT1	382	snap_masked-par_contig_2303-abinit-gene-0.7-mRNA-1	509	3.30E-22	57	379	29	392	0.842931937	Pythium_arrhenomanes	Pythium	GT1_snap_masked-par_contig_2303-abinit-gene-0.7-mRNA-1	Oomycete	pyar	pyar_2303071	pyar_2303071
GT41	705	snap_masked-par_contig_23-abinit-gene-0.35-mRNA-1	959	2.40E-69	52	528	170	799	0.675177305	Pythium_arrhenomanes	Pythium	GT41_snap_masked-par_contig_23-abinit-gene-0.35-mRNA-1	Oomycete	pyar	pyar_230351	pyar_230351_secreted
GT62	268	maker-par_contig_231-fgenesh-gene-0.1-mRNA-1	416	3.10E-42	18	266	141	369	0.925373134	Pythium_arrhenomanes	Pythium	GT62_maker-par_contig_231-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_231011	pyar_231011
CE12	210	maker-par_contig_2363-snap-gene-0.3-mRNA-1	268	1.40E-12	3	159	7	175	0.742857143	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_2363-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_2363031	pyar_2363031
CE12	210	maker-par_contig_2363-snap-gene-0.4-mRNA-1	214	0.000000019	73	161	6	99	0.419047619	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_2363-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_2363041	pyar_2363041
CE10	341	maker-par_contig_2377-fgenesh-gene-0.0-mRNA-1	413	6.10E-39	36	332	92	389	0.868035191	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_2377-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2377001	pyar_2377001
GH72	312	maker-par_contig_238-fgenesh-gene-0.1-mRNA-1	466	4.90E-12	14	249	12	237	0.753205128	Pythium_arrhenomanes	Pythium	GH72_maker-par_contig_238-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_238011	pyar_238011
CE10	341	maker-par_contig_2383-fgenesh-gene-0.1-mRNA-1	548	6.70E-36	73	215	103	259	0.416422287	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_2383-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2383011	pyar_2383011_secreted
GT8	257	maker-par_contig_239-snap-gene-0.13-mRNA-1	363	5.90E-26	29	253	102	327	0.871595331	Pythium_arrhenomanes	Pythium	GT8_maker-par_contig_239-snap-gene-0.13-mRNA-1	Oomycete	pyar	pyar_2390131	pyar_2390131
GT8	257	maker-par_contig_2391-fgenesh-gene-0.0-mRNA-1	841	8.90E-33	29	235	316	518	0.80155642	Pythium_arrhenomanes	Pythium	GT8_maker-par_contig_2391-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2391001	pyar_2391001_secreted
PL3	197	maker-par_contig_2391-fgenesh-gene-0.0-mRNA-1	841	4.10E-65	1	193	33	228	0.974619289	Pythium_arrhenomanes	Pythium	PL3_maker-par_contig_2391-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2391001	pyar_2391001_secreted
GH30	417	maker-par_contig_240-snap-gene-0.10-mRNA-1	465	2.10E-101	16	415	3	451	0.956834532	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_240-snap-gene-0.10-mRNA-1	Oomycete	pyar	pyar_2400101	pyar_2400101
GH17	311	maker-par_contig_24-fgenesh-gene-0.11-mRNA-1	430	1.20E-22	12	306	47	300	0.945337621	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_24-fgenesh-gene-0.11-mRNA-1	Oomycete	pyar	pyar_240111	pyar_240111_secreted
CE9	373	maker-par_contig_241-snap-gene-0.19-mRNA-1	884	8.40E-108	53	371	27	350	0.852546917	Pythium_arrhenomanes	Pythium	CE9_maker-par_contig_241-snap-gene-0.19-mRNA-1	Oomycete	pyar	pyar_2410191	pyar_2410191
GH109	126	maker-par_contig_2420-fgenesh-gene-0.0-mRNA-1	276	0.000000022	63	126	98	161	0.5	Pythium_arrhenomanes	Pythium	GH109_maker-par_contig_2420-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2420001	pyar_2420001
GH53	342	maker-par_contig_242-fgenesh-gene-0.2-mRNA-1	768	1.30E-80	2	332	24	341	0.964912281	Pythium_arrhenomanes	Pythium	GH53_maker-par_contig_242-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_242021	pyar_242021_secreted
GT96	307	maker-par_contig_243-snap-gene-0.7-mRNA-1	929	6.00E-17	2	114	502	625	0.364820847	Pythium_arrhenomanes	Pythium	GT96_maker-par_contig_243-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_243071	pyar_243071
GH7	415	maker-par_contig_2443-fgenesh-gene-0.0-mRNA-1	354	1.10E-77	24	202	25	206	0.428915663	Pythium_arrhenomanes	Pythium	GH7_maker-par_contig_2443-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2443001	pyar_2443001_secreted
GH7	415	maker-par_contig_2443-fgenesh-gene-0.0-mRNA-1	354	5.30E-46	245	375	205	341	0.313253012	Pythium_arrhenomanes	Pythium	GH7_maker-par_contig_2443-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2443001	pyar_2443001_secreted
CE10	341	maker-par_contig_245-snap-gene-0.2-mRNA-1	252	4.20E-31	72	203	90	235	0.384164223	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_245-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_245021	pyar_245021
GH5	275	maker-par_contig_2460-fgenesh-gene-0.0-mRNA-1	739	5.00E-32	6	242	354	697	0.858181818	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_2460-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2460001	pyar_2460001
GT41	705	maker-par_contig_250-snap-gene-0.8-mRNA-1	592	1.90E-88	65	475	112	579	0.581560284	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_250-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_250081	pyar_250081
GH114	190	snap_masked-par_contig_254-abinit-gene-0.32-mRNA-1	587	1.10E-58	1	158	29	186	0.82631579	Pythium_arrhenomanes	Pythium	GH114_snap_masked-par_contig_254-abinit-gene-0.32-mRNA-1	Oomycete	pyar	pyar_2540321	pyar_2540321_secreted
CBM63	78	maker-par_contig_2547-fgenesh-gene-0.0-mRNA-1	966	0.000021	4	66	874	935	0.794871795	Pythium_arrhenomanes	Pythium	CBM63_maker-par_contig_2547-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2547001	pyar_2547001
GH1	429	maker-par_contig_256-snap-gene-0.9-mRNA-1	560	1.60E-78	2	230	55	286	0.531468532	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_256-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_256091	pyar_256091
GH1	429	maker-par_contig_256-snap-gene-0.9-mRNA-1	560	5.00E-36	184	367	289	505	0.426573427	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_256-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_256091	pyar_256091
GH6	294	maker-par_contig_257-snap-gene-0.16-mRNA-1	412	1.40E-12	84	174	162	246	0.306122449	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_257-snap-gene-0.16-mRNA-1	Oomycete	pyar	pyar_2570161	pyar_2570161
GH47	446	maker-par_contig_2572-fgenesh-gene-0.0-mRNA-1	534	3.30E-125	2	445	78	527	0.993273543	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_2572-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2572001	pyar_2572001
GH47	446	maker-par_contig_259-fgenesh-gene-0.0-mRNA-1	561	9.30E-133	1	446	111	554	0.997757848	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_259-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_259001	pyar_259001
GH5	275	maker-par_contig_2603-fgenesh-gene-0.1-mRNA-1	441	6.60E-41	24	237	134	417	0.774545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_2603-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2603011	pyar_2603011_secreted
GT1	382	maker-par_contig_26-snap-gene-0.33-mRNA-1	206	0.0000066	85	258	25	192	0.452879581	Pythium_arrhenomanes	Pythium	GT1_maker-par_contig_26-snap-gene-0.33-mRNA-1	Oomycete	pyar	pyar_260331	pyar_260331
CE4	130	maker-par_contig_2624-fgenesh-gene-0.1-mRNA-1	310	8.80E-13	22	125	82	185	0.792307692	Pythium_arrhenomanes	Pythium	CE4_maker-par_contig_2624-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2624011	pyar_2624011
GH3	216	maker-par_contig_2639-snap-gene-0.2-mRNA-1	609	9.90E-61	5	204	126	327	0.912296296	Pythium_arrhenomanes	Pythium	GH3_maker-par_contig_2639-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_2639021	pyar_2639021_secreted
CBM38	129	maker-par_contig_268-fgenesh-gene-0.1-mRNA-1	3629	2.80E-24	4	128	3138	3314	0.96124031	Pythium_arrhenomanes	Pythium	CBM38_maker-par_contig_268-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_268011	pyar_268011
GT2	168	maker-par_contig_2689-snap-gene-0.3-mRNA-1	674	1.40E-09	57	108	127	180	0.303571429	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_2689-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_2689031	pyar_2689031
GT2	168	maker-par_contig_2689-snap-gene-0.3-mRNA-1	674	0.00000015	105	168	293	356	0.375	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_2689-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_2689031	pyar_2689031
GT41	705	maker-par_contig_269-fgenesh-gene-0.3-mRNA-1	929	0.0000046	44	264	34	421	0.312056738	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_269-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_269031	pyar_269031
GH30	417	maker-par_contig_2693-fgenesh-gene-0.1-mRNA-1	238	8.20E-34	12	142	89	221	0.3117506	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_2693-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2693011	pyar_2693011_secreted
GT33	425	maker-par_contig_2706-fgenesh-gene-0.0-mRNA-1	477	1.60E-157	2	424	37	469	0.992941177	Pythium_arrhenomanes	Pythium	GT33_maker-par_contig_2706-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2706001	pyar_2706001
CE12	210	maker-par_contig_271-snap-gene-0.18-mRNA-1	231	7.30E-15	3	164	12	176	0.766666667	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_271-snap-gene-0.18-mRNA-1	Oomycete	pyar	pyar_2710181	pyar_2710181
GH30	417	maker-par_contig_273-fgenesh-gene-0.0-mRNA-1	504	3.30E-62	12	414	20	485	0.964028777	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_273-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_273001	pyar_273001_secreted
GH5	275	maker-par_contig_2762-snap-gene-0.1-mRNA-1	556	2.70E-37	21	240	246	532	0.796363636	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_2762-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2762011	pyar_2762011
GH72	312	snap_masked-par_contig_277-abinit-gene-0.20-mRNA-1	447	5.60E-56	89	284	87	303	0.625	Pythium_arrhenomanes	Pythium	GH72_snap_masked-par_contig_277-abinit-gene-0.20-mRNA-1	Oomycete	pyar	pyar_2770201	pyar_2770201_secreted
GH5	275	maker-par_contig_277-fgenesh-gene-0.5-mRNA-1	243	1.80E-18	21	203	31	238	0.661818182	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_277-fgenesh-gene-0.5-mRNA-1	Oomycete	pyar	pyar_277051	pyar_277051
GH5	275	maker-par_contig_277-snap-gene-0.8-mRNA-1	476	1.30E-38	25	237	174	453	0.770909091	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_277-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_277081	pyar_277081
GH5	275	maker-par_contig_277-snap-gene-0.9-mRNA-1	366	7.80E-36	24	205	85	337	0.658181818	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_277-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_277091	pyar_277091_secreted
GH17	311	maker-par_contig_2776-snap-gene-0.2-mRNA-1	262	1.20E-10	166	303	147	256	0.44051447	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_2776-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_2776021	pyar_2776021_secreted
GH6	294	maker-par_contig_2778-fgenesh-gene-0.0-mRNA-1	452	1.70E-61	17	289	43	293	0.925170068	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_2778-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2778001	pyar_2778001
CE10	341	maker-par_contig_2796-snap-gene-0.3-mRNA-1	158	1.80E-33	72	208	99	249	0.39882698	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_2796-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_2796031	pyar_2796031_secreted
GT32	90	maker-par_contig_28-fgenesh-gene-0.6-mRNA-1	417	5.20E-16	3	87	151	229	0.933333333	Pythium_arrhenomanes	Pythium	GT32_maker-par_contig_28-fgenesh-gene-0.6-mRNA-1	Oomycete	pyar	pyar_28061	pyar_28061
CE10	341	maker-par_contig_283-fgenesh-gene-0.7-mRNA-1	1401	2.00E-23	81	315	519	768	0.686217009	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_283-fgenesh-gene-0.7-mRNA-1	Oomycete	pyar	pyar_283071	pyar_283071
GT48	739	maker-par_contig_2837-fgenesh-gene-0.0-mRNA-1	1258	1.20E-156	3	388	867	1258	0.52097429	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_2837-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_2837001	pyar_2837001
CBM50	40	maker-par_contig_2843-snap-gene-0.1-mRNA-1	1296	0.00000012	4	39	1134	1173	0.875	Pythium_arrhenomanes	Pythium	CBM50_maker-par_contig_2843-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_2843011	pyar_2843011
GT31	192	maker-par_contig_2848-snap-gene-0.2-mRNA-1	613	1.40E-17	82	185	1	108	0.536458333</							

AA3	618	maker-par_contig_3-fgenesh-gene-0.3-mRNA-1	571	3.80E-105	81	406	39	556	0.525889968	Pythium_arrhenomanes	Pythium	AA3_maker-par_contig_3-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_3031	pyar_3031
CBM20	90	fgenesh_masked-par_contig_304-abinit-gene-0.31-mRNA-1	1128	0.00012	2	74	97	177	0.8	Pythium_arrhenomanes	Pythium	CBM20_fgenesh_masked-par_contig_304-abinit-gene-0.31-mRNA-1	Oomycete	pyar	pyar_3040311	pyar_3040311
GT20	475	fgenesh_masked-par_contig_304-abinit-gene-0.31-mRNA-1	1128	1.70E-131	10	474	250	748	0.976842105	Pythium_arrhenomanes	Pythium	GT20_fgenesh_masked-par_contig_304-abinit-gene-0.31-mRNA-1	Oomycete	pyar	pyar_3040311	pyar_3040311
GH37	491	maker-par_contig_304-fgenesh-gene-0.6-mRNA-1	750	1.40E-160	2	489	191	742	0.991853361	Pythium_arrhenomanes	Pythium	GH37_maker-par_contig_304-fgenesh-gene-0.6-mRNA-1	Oomycete	pyar	pyar_304061	pyar_304061
GT57	481	maker-par_contig_305-fgenesh-gene-0.0-mRNA-1	1038	1.60E-140	3	477	510	1016	0.985446985	Pythium_arrhenomanes	Pythium	GT57_maker-par_contig_305-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_305001	pyar_305001
GT71	264	maker-par_contig_307-fgenesh-gene-0.3-mRNA-1	660	5.0E-48	2	264	174	404	0.992424242	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_307-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_307031	pyar_307031
GT71	264	maker-par_contig_307-fgenesh-gene-0.6-mRNA-1	590	2.60E-48	2	264	200	429	0.992424242	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_307-fgenesh-gene-0.6-mRNA-1	Oomycete	pyar	pyar_307061	pyar_307061
GT20	475	maker-par_contig_3075-fgenesh-gene-0.0-mRNA-1	1132	8.00E-127	6	475	286	786	0.987368421	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_3075-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3075001	pyar_3075001
CBM47	128	maker-par_contig_31-fgenesh-gene-0.7-mRNA-1	392	8.10E-14	28	90	141	204	0.484375	Pythium_arrhenomanes	Pythium	CBM47_maker-par_contig_31-fgenesh-gene-0.7-mRNA-1	Oomycete	pyar	pyar_31071	pyar_31071
GH6	294	maker-par_contig_3109-fgenesh-gene-0.0-mRNA-1	488	2.30E-31	178	290	4	108	0.380952381	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_3109-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3109001	pyar_3109001
GH6	294	maker-par_contig_3109-fgenesh-gene-0.0-mRNA-1	488	8.60E-15	12	133	233	346	0.411564626	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_3109-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3109001	pyar_3109001
GH5	275	maker-par_contig_3117-fgenesh-gene-0.0-mRNA-1	422	9.80E-50	6	244	76	400	0.865454546	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_3117-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3117001	pyar_3117001_secreted
CBM13	188	maker-par_contig_3126-snap-gene-0.1-mRNA-1	612	0.0000016	32	127	516	602	0.505319149	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_3126-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3126011	pyar_3126011
GH30	417	maker-par_contig_3126-snap-gene-0.1-mRNA-1	612	5.10E-70	130	362	235	494	0.556354916	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_3126-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3126011	pyar_3126011
CE5	189	maker-par_contig_3133-fgenesh-gene-0.0-mRNA-1	280	1.90E-50	1	187	26	205	0.984126984	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_3133-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3133001	pyar_3133001_secreted
AA2	255	maker-par_contig_3164-fgenesh-gene-0.0-mRNA-1	627	2.30E-25	22	242	411	627	0.862745098	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_3164-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3164001	pyar_3164001_secreted
AA2	255	maker-par_contig_3164-fgenesh-gene-0.0-mRNA-1	627	0.00000081	167	250	256	344	0.325490196	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_3164-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3164001	pyar_3164001_secreted
GH30	417	maker-par_contig_3174-fgenesh-gene-0.1-mRNA-1	615	1.80E-33	284	415	13	152	0.314148681	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_3174-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3174011	pyar_3174011
GH30	417	maker-par_contig_3174-snap-gene-0.2-mRNA-1	546	3.80E-108	11	415	90	542	0.96882494	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_3174-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_3174021	pyar_3174021_secreted
CE10	341	maker-par_contig_3186-snap-gene-0.2-mRNA-1	244	1.90E-27	129	335	18	236	0.604105572	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_3186-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_3186021	pyar_3186021
GH6	294	maker-par_contig_3199-snap-gene-0.2-mRNA-1	344	3.50E-47	92	290	95	275	0.673469388	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_3199-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_3199021	pyar_3199021_secreted
GH6	294	maker-par_contig_3199-snap-gene-0.3-mRNA-1	317	1.50E-26	176	290	168	276	0.387755102	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_3199-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_3199031	pyar_3199031_secreted
GH6	294	maker-par_contig_3199-snap-gene-0.3-mRNA-1	317	2.90E-19	10	145	43	167	0.459183674	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_3199-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_3199031	pyar_3199031_secreted
CBM43	83	maker-par_contig_320-snap-gene-0.5-mRNA-1	613	9.20E-15	1	74	480	549	0.879518072	Pythium_arrhenomanes	Pythium	CBM43_maker-par_contig_320-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_320051	pyar_320051
GH5	275	maker-par_contig_320-snap-gene-0.5-mRNA-1	613	1.20E-15	27	186	150	356	0.578181818	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_320-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_320051	pyar_320051
CE1	227	maker-par_contig_32-fgenesh-gene-0.4-mRNA-1	626	0.000000001	9	149	250	437	0.616740088	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_32-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_32041	pyar_32041
GH1	429	maker-par_contig_323-snap-gene-0.7-mRNA-1	396	5.80E-73	208	427	136	391	0.510489511	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_323-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_323071	pyar_323071
CE5	189	maker-par_contig_3255-fgenesh-gene-0.0-mRNA-1	222	2.20E-47	1	183	28	202	0.962962963	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_3255-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3255001	pyar_3255001_secreted
CE5	189	maker-par_contig_3255-fgenesh-gene-0.2-mRNA-1	218	7.80E-50	1	184	27	202	0.968253968	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_3255-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_3255021	pyar_3255021_secreted
CE5	189	maker-par_contig_3255-snap-gene-0.4-mRNA-1	208	7.70E-33	2	183	26	181	0.957671958	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_3255-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_3255041	pyar_3255041_secreted
GH5	275	maker-par_contig_3309-fgenesh-gene-0.0-mRNA-1	364	1.70E-27	39	238	6	313	0.723636364	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_3309-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3309001	pyar_3309001
GH5	275	maker-par_contig_3320-fgenesh-gene-0.0-mRNA-1	397	4.00E-31	13	226	112	397	0.774545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_3320-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3320001	pyar_3320001_secreted
CE13	355	maker-par_contig_3375-fgenesh-gene-0.1-mRNA-1	423	5.90E-24	37	222	88	290	0.521126761	Pythium_arrhenomanes	Pythium	CE13_maker-par_contig_3375-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3375011	pyar_3375011_secreted
GH28	325	maker-par_contig_339-snap-gene-0.6-mRNA-1	294	2.60E-64	45	309	8	289	0.812307692	Pythium_arrhenomanes	Pythium	GH28_maker-par_contig_339-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_339061	pyar_339061
CE5	189	maker-par_contig_3404-snap-gene-0.1-mRNA-1	241	7.00E-48	1	187	29	208	0.984126984	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_3404-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3404011	pyar_3404011_secreted
GT2	168	maker-par_contig_3422-snap-gene-0.1-mRNA-1	827	2.40E-25	16	168	534	786	0.904761905	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_3422-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3422011	pyar_3422011
GT32	90	maker-par_contig_347-fgenesh-gene-0.5-mRNA-1	280	1.70E-18	7	89	66	139	0.911111111	Pythium_arrhenomanes	Pythium	GT32_maker-par_contig_347-fgenesh-gene-0.5-mRNA-1	Oomycete	pyar	pyar_347051	pyar_347051
GT1	382	maker-par_contig_3485-snap-gene-0.0-mRNA-1	792	6.20E-19	115	377	348	651	0.685863874	Pythium_arrhenomanes	Pythium	GT1_maker-par_contig_3485-snap-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3485001	pyar_3485001
GT71	264	maker-par_contig_3546-fgenesh-gene-0.0-mRNA-1	733	3.90E-46	2	262	75	347	0.984848485	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_3546-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3546001	pyar_3546001
GH5	275	maker-par_contig_3547-snap-gene-0.3-mRNA-1	437	7.70E-45	6	240	51	408	0.850909091	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_3547-snap-gene-0.3-mRNA-1	Oomycete	pyar	pyar_3547031	pyar_3547031_secreted
GT41	705	maker-par_contig_358-snap-gene-0.11-mRNA-1	613	1.70E-64	168	500	1	549	0.470921986	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_358-snap-gene-0.11-mRNA-1	Oomycete	pyar	pyar_3580111	pyar_3580111
GH38	269	maker-par_contig_3594-fgenesh-gene-0.0-mRNA-1	415	6.20E-73	1	269	46	347	0.996282528	Pythium_arrhenomanes	Pythium	GH38_maker-par_contig_3594-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3594001	pyar_3594001_secreted
CBM13	188	maker-par_contig_3595-snap-gene-0.1-mRNA-1	725	3.20E-16	36	144	491	595	0.574468085	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_3595-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3595011	pyar_3595011_secreted
CBM13	188	maker-par_contig_3595-snap-gene-0.1-mRNA-1	725	3.70E-12	40	131	360	447	0.484042553	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_3595-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3595011	pyar_3595011_secreted
CBM13	188	maker-par_contig_3595-snap-gene-0.1-mRNA-1	725	4.40E-11	36	133	618	709	0.515957447	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_3595-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3595011	pyar_3595011_secreted
GH17	311	maker-par_contig_3595-snap-gene-0.1-mRNA-1	725	2.20E-23	17	306	54	303	0.92926045	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_3595-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3595011	pyar_3595011_secreted
CBM6	138	maker-par_contig_36-fgenesh-gene-0.13-mRNA-1	817	0.00012	38	101	114	178	0.456521739	Pythium_arrhenomanes	Pythium	CBM6_maker-par_contig_36-fgenesh-gene-0.13-mRNA-1	Oomycete	pyar	pyar_360131	pyar_360131
GH15	361	maker-par_contig_3614-snap-gene-0.1-mRNA-1	710	9.70E-33	153	359	436	698	0.570637119	Pythium_arrhenomanes	Pythium	GH15_maker-par_contig_3614-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3614011	pyar_3614011
GH13	299	maker-par_contig_363-snap-gene-0.11-mRNA-1	526	1.10E-16	42	165	134	318	0.411371238	Pythium_arrhenomanes	Pythium	GH13_maker-par_contig_363-snap-gene-0.11-mRNA-1	Oomycete	pyar	pyar_3630111	pyar_3630111
GH17	311	maker-par_contig_363-snap-gene-0.6-mRNA-1	362	0.0000095	24	138	88	196	0.366559486	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_363-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_363061	pyar_363061_secreted
GT48	739	maker-par_contig_3730-fgenesh-gene-0.0-mRNA-1	967	1.00E-170	2	388	579	967	0.52232747	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_3730-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3730001	pyar_3730001
CE1	227	maker-par_contig_377-fgenesh-gene-0.0-mRNA-1	529	0.00000073	6	197	162	375	0.841409692	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_377-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_377001	pyar_377001
AA8	815	maker-par_contig_3854-fgenesh-gene-0.0-mRNA-1	320	1.00E-61	239	522	24	312	0.347239264	Pythium_arrhenomanes	Pythium	AA8_maker-par_contig_3854-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3854001	pyar_3854001_secreted
CE10	341	maker-par_contig_39-snap-gene-0.11-mRNA-1	818	8.80E-13	44	211	550	725	0.48973607	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_39-snap-gene-0.11-mRNA-1	Oomycete	pyar	pyar_390111	pyar_390111
GH17	311	maker-par_contig_3902-fgenesh-gene-0.0-mRNA-1	249	3.50E-09	10	243	55	241	0.749196142	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_3902-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3902001	pyar_3902001_secreted
GH16	189	maker-par_contig_3931-snap-gene-0.1-mRNA-1	608	8.10E-12	129	189	290	403	0.317460318	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_3931-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_3931011	pyar_3931011
GH28	325	maker-par_contig_3938-fgenesh-gene-0.0-mRNA-1	360	1.10E-61	5	317	43	359	0.96	Pythium_arrhenomanes	Pythium	GH28_maker-par_contig_3938-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3938001	pyar_3938001_secreted
AA6	195	maker-par_contig_3950-fgenesh-gene-0.0-mRNA-1	213	2.90E-62	48	195	1	147	0.753846154	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_3950-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_3950001	pyar_3950001
CBM63	78	maker-par_contig_4003-fgenesh-gene-0.0-mRNA-1	433	0.000000012	2	74	153	226	0.923076923	Pythium_arrhenomanes	Pythium	CBM63_maker-par_contig_4003-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4003001	pyar_4003001
GT20	475	maker-par_contig_404-snap-gene-0.6-mRNA-1	1248	1.50E-150												

GT8	257	maker-par_contig_4252-fgenesh-gene-0.1-mRNA-1	308	6.70E-14	38	220	54	223	0.708171206	Pythium_arrhenomanes	Pythium	GT8_maker-par_contig_4252-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_4252011	pyar_4252011_secreted
GT41	705	maker-par_contig_426-fgenesh-gene-0.4-mRNA-1	687	0.0000026	32	255	51	265	0.316312057	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_426-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_426041	pyar_426041
CBM13	188	maker-par_contig_4390-snap-gene-0.1-mRNA-1	152	0.00052	102	163	79	141	0.324468085	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_4390-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_4390011	pyar_4390011
GH16	189	maker-par_contig_4423-fgenesh-gene-0.0-mRNA-1	143	0.000023	12	78	57	120	0.349206349	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_4423-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4423001	pyar_4423001_secreted
GH1	429	maker-par_contig_4433-snap-gene-0.0-mRNA-1	346	4.40E-26	169	370	2	294	0.468531469	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_4433-snap-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4433001	pyar_4433001
GH7	415	snap_masked-par_contig_4458-abinit-gene-0.2-mRNA-1	417	9.40E-153	1	336	22	371	0.807228916	Pythium_arrhenomanes	Pythium	GH7_snap_masked-par_contig_4458-abinit-gene-0.2-mRNA-1	Oomycete	pyar	pyar_4458021	pyar_4458021_secreted
GT50	262	maker-par_contig_4473-snap-gene-0.1-mRNA-1	466	2.60E-62	1	187	274	466	0.709923664	Pythium_arrhenomanes	Pythium	GT50_maker-par_contig_4473-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_4473011	pyar_4473011
GT50	262	maker-par_contig_4473-snap-gene-0.1-mRNA-1	466	3.90E-25	1	102	125	234	0.385496183	Pythium_arrhenomanes	Pythium	GT50_maker-par_contig_4473-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_4473011	pyar_4473011
GT60	330	maker-par_contig_4488-fgenesh-gene-0.0-mRNA-1	203	6.50E-26	68	184	66	196	0.351515152	Pythium_arrhenomanes	Pythium	GT60_maker-par_contig_4488-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4488001	pyar_4488001
CE10	341	maker-par_contig_4493-fgenesh-gene-0.0-mRNA-1	547	5.80E-32	72	193	102	241	0.35483871	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_4493-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4493001	pyar_4493001_secreted
GH47	446	maker-par_contig_450-snap-gene-0.7-mRNA-1	572	2.20E-97	1	446	100	570	0.997757848	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_450-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_450071	pyar_450071
CE4	130	maker-par_contig_45-snap-gene-0.19-mRNA-1	347	5.30E-19	6	127	94	273	0.930769231	Pythium_arrhenomanes	Pythium	CE4_maker-par_contig_45-snap-gene-0.19-mRNA-1	Oomycete	pyar	pyar_450191	pyar_450191
GH17	311	maker-par_contig_4526-fgenesh-gene-0.0-mRNA-1	375	3.40E-24	13	306	47	303	0.942122187	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_4526-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4526001	pyar_4526001_secreted
GH6	294	maker-par_contig_4561-fgenesh-gene-0.0-mRNA-1	397	5.30E-40	71	289	1	187	0.741496599	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_4561-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4561001	pyar_4561001
GH72	312	maker-par_contig_4568-fgenesh-gene-0.0-mRNA-1	368	2.10E-43	130	310	31	238	0.576923077	Pythium_arrhenomanes	Pythium	GH72_maker-par_contig_4568-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4568001	pyar_4568001
GH30	417	maker-par_contig_460-fgenesh-gene-0.5-mRNA-1	516	2.90E-113	9	416	55	507	0.976019185	Pythium_arrhenomanes	Pythium	GH30_maker-par_contig_460-fgenesh-gene-0.5-mRNA-1	Oomycete	pyar	pyar_460051	pyar_460051_secreted
GH5	275	maker-par_contig_460-snap-gene-0.7-mRNA-1	453	6.50E-35	26	239	182	432	0.774545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_460-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_460071	pyar_460071
GH5	275	maker-par_contig_460-snap-gene-0.8-mRNA-1	910	4.10E-35	27	241	550	888	0.778181818	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_460-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_460081	pyar_460081_secreted
GH114	190	maker-par_contig_460-snap-gene-0.9-mRNA-1	264	1.80E-66	1	190	25	228	0.994736842	Pythium_arrhenomanes	Pythium	GH114_maker-par_contig_460-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_460091	pyar_460091
CBM47	128	maker-par_contig_477-snap-gene-0.1-mRNA-1	1447	0.00014	3	53	905	957	0.390625	Pythium_arrhenomanes	Pythium	CBM47_maker-par_contig_477-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_477011	pyar_477011
GH6	294	maker-par_contig_482-fgenesh-gene-0.0-mRNA-1	524	2.90E-60	11	289	34	288	0.945578231	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_482-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_482001	pyar_482001
GH6	294	maker-par_contig_482-fgenesh-gene-0.1-mRNA-1	346	1.30E-60	14	289	48	301	0.93537415	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_482-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_482011	pyar_482011_secreted
GH5	275	maker-par_contig_484-snap-gene-0.10-mRNA-1	474	1.10E-14	86	205	17	195	0.432727273	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_484-snap-gene-0.10-mRNA-1	Oomycete	pyar	pyar_4840101	pyar_4840101
GH5	275	maker-par_contig_485-fgenesh-gene-0.4-mRNA-1	517	2.10E-19	6	235	118	467	0.832727273	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_485-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_485041	pyar_485041
GT2	168	maker-par_contig_493-fgenesh-gene-0.4-mRNA-1	912	0.000000044	2	165	220	451	0.970238095	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_493-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_493041	pyar_493041
GT62	268	maker-par_contig_4973-fgenesh-gene-0.0-mRNA-1	260	3.20E-21	144	266	105	210	0.455223881	Pythium_arrhenomanes	Pythium	GT62_maker-par_contig_4973-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_4973001	pyar_4973001
GH5	275	maker-par_contig_5020-fgenesh-gene-0.0-mRNA-1	487	1.70E-41	27	238	178	461	0.767272727	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_5020-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5020001	pyar_5020001_secreted
CE10	341	maker-par_contig_502-snap-gene-0.12-mRNA-1	599	4.00E-13	147	317	408	560	0.498533724	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_502-snap-gene-0.12-mRNA-1	Oomycete	pyar	pyar_5020121	pyar_5020121
CE1	227	maker-par_contig_502-snap-gene-0.16-mRNA-1	576	0.00000085	11	140	244	367	0.568281938	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_502-snap-gene-0.16-mRNA-1	Oomycete	pyar	pyar_5020161	pyar_5020161
GH5	275	maker-par_contig_5040-fgenesh-gene-0.0-mRNA-1	380	7.60E-40	6	228	71	380	0.807272727	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_5040-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5040001	pyar_5040001_secreted
CBM13	188	maker-par_contig_5060-fgenesh-gene-0.0-mRNA-1	253	8.40E-12	11	126	100	214	0.611702128	Pythium_arrhenomanes	Pythium	CBM13_maker-par_contig_5060-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5060001	pyar_5060001
GT1	382	maker-par_contig_5067-snap-gene-0.0-mRNA-1	581	0.000000021	101	272	375	574	0.447643979	Pythium_arrhenomanes	Pythium	GT1_maker-par_contig_5067-snap-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5067001	pyar_5067001
GH5	275	maker-par_contig_5094-snap-gene-0.1-mRNA-1	572	4.70E-36	17	241	67	364	0.814545455	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_5094-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5094011	pyar_5094011
GH16	189	maker-par_contig_51-fgenesh-gene-0.2-mRNA-1	663	0.0000072	7	121	411	595	0.603174603	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_51-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_51021	pyar_51021_secreted
GH5	275	maker-par_contig_516-fgenesh-gene-0.1-mRNA-1	419	6.10E-31	25	244	135	405	0.796363636	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_516-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_516011	pyar_516011
GH81	622	maker-par_contig_52-snap-gene-0.12-mRNA-1	725	9.10E-145	8	621	28	717	0.985530547	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_52-snap-gene-0.12-mRNA-1	Oomycete	pyar	pyar_520121	pyar_520121
GH5	275	maker-par_contig_5220-snap-gene-0.1-mRNA-1	230	2.60E-12	30	128	13	153	0.356363636	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_5220-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5220011	pyar_5220011
CE5	189	maker-par_contig_5238-snap-gene-0.1-mRNA-1	197	2.90E-47	2	181	24	195	0.947089947	Pythium_arrhenomanes	Pythium	CE5_maker-par_contig_5238-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5238011	pyar_5238011_secreted
PL3	197	maker-par_contig_5261-fgenesh-gene-0.0-mRNA-1	266	4.20E-70	2	193	37	233	0.969543147	Pythium_arrhenomanes	Pythium	PL3_maker-par_contig_5261-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5261001	pyar_5261001_secreted
CBM9	182	maker-par_contig_5265-snap-gene-0.1-mRNA-1	406	3.20E-29	5	170	59	255	0.906593407	Pythium_arrhenomanes	Pythium	CBM9_maker-par_contig_5265-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5265011	pyar_5265011_secreted
AA9	220	maker-par_contig_5379-snap-gene-0.1-mRNA-1	312	0.000000015	2	198	12	209	0.890909091	Pythium_arrhenomanes	Pythium	AA9_maker-par_contig_5379-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5379011	pyar_5379011_secreted
CE1	227	maker-par_contig_547-fgenesh-gene-0.1-mRNA-1	536	0.0000061	22	143	111	253	0.533039648	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_547-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_547011	pyar_547011
GH1	429	maker-par_contig_5471-snap-gene-0.1-mRNA-1	260	6.50E-34	174	330	1	192	0.363636364	Pythium_arrhenomanes	Pythium	GH1_maker-par_contig_5471-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5471011	pyar_5471011
CE10	227	maker-par_contig_548-snap-gene-0.7-mRNA-1	279	0.00000012	22	142	102	245	0.528634361	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_548-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_548071	pyar_548071
AA11	178	maker-par_contig_55-snap-gene-0.6-mRNA-1	221	0.0000011	68	177	88	196	0.612359551	Pythium_arrhenomanes	Pythium	AA10_maker-par_contig_55-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_55061	pyar_55061_secreted
GT48	739	maker-par_contig_5513-snap-gene-0.1-mRNA-1	512	1.90E-198	2	435	78	512	0.585926928	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_5513-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5513011	pyar_5513011
GH5	275	maker-par_contig_5526-fgenesh-gene-0.0-mRNA-1	269	1.40E-32	6	181	2	262	0.636363636	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_5526-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5526001	pyar_5526001
GH10	303	maker-par_contig_5550-snap-gene-0.1-mRNA-1	302	2.10E-35	161	290	50	186	0.425742574	Pythium_arrhenomanes	Pythium	GH10_maker-par_contig_5550-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5550011	pyar_5550011
GH6	294	maker-par_contig_5572-snap-gene-0.1-mRNA-1	306	7.40E-26	190	290	172	265	0.340136054	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_5572-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5572011	pyar_5572011_secreted
GH6	294	maker-par_contig_5572-snap-gene-0.1-mRNA-1	306	8.80E-20	10	152	40	171	0.482993197	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_5572-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5572011	pyar_5572011_secreted
CE12	210	maker-par_contig_5611-fgenesh-gene-0.0-mRNA-1	310	0.000000038	2	202	76	278	0.952380952	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_5611-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5611001	pyar_5611001
AA6	195	maker-par_contig_565-snap-gene-0.13-mRNA-1	215	2.30E-28	114	195	133	212	0.415384615	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_565-snap-gene-0.13-mRNA-1	Oomycete	pyar	pyar_5650131	pyar_5650131
AA6	195	maker-par_contig_565-snap-gene-0.13-mRNA-1	215	5.80E-20	1	65	3	69	0.328205128	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_565-snap-gene-0.13-mRNA-1	Oomycete	pyar	pyar_5650131	pyar_5650131
GH11	177	maker-par_contig_5664-fgenesh-gene-0.0-mRNA-1	209	5.30E-76	1	177	29	209	0.994350283	Pythium_arrhenomanes	Pythium	GH11_maker-par_contig_5664-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_5664001	pyar_5664001_secreted
CE1	227	maker-par_contig_571-fgenesh-gene-0.1-mRNA-1	506	0.00000018	24	202	231	471	0.784140969	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_571-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_571011	pyar_571011
CE1	227	maker-par_contig_576-fgenesh-gene-0.4-mRNA-1	770	1.70E-40	3	225	545	766	0.977973568	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_576-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_576041	pyar_576041
GT20	475	maker-par_contig_5817-snap-gene-0.1-mRNA-1	290	8.20E-49	11	204	73	290	0.40631579	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_5817-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_5817011	pyar_5817011
AA6	195	maker-par_contig_586-snap-gene-0.9-mRNA-1	63	6.90E-19	134	195	1	60	0.312820513	Pythium_arrhenomanes	Pythium	AA6_maker-par_contig_586-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_586091	pyar_586091
GH47	446	snap_masked-par_contig_6-abinit-gene-0.52-mRNA-1	416	2.70E-86	2	359	10	360	0.800448431	Pythium_arrhenomanes	Pythium	GH47_snap_masked-par_contig_6-abinit-gene-0.52-mRNA-1	Oomycete	pyar	pyar_60521	pyar_60521
AA2	255	maker-par_contig_6136-snap-gene-0.1-mRNA-1	211	2.40E-23	17	115	91	191	0.384313726	Pythium_arrhenomanes	Pyth					

GH72	312	maker-par_contig_648-snap-gene-0.9-mRNA-1	572	8.10E-65	3	284	23	314	0.900641026	Pythium_arrhenomanes	Pythium	GH72_maker-par_contig_648-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_648091	pyar_648091_secreted
GH5	275	maker-par_contig_65-fgenesh-gene-0.13-mRNA-1	671	8.40E-32	3	239	7	511	0.858181818	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_65-fgenesh-gene-0.13-mRNA-1	Oomycete	pyar	pyar_650131	pyar_650131
CE1	227	maker-par_contig_6591-fgenesh-gene-0.0-mRNA-1	209	1.30E-09	28	141	51	159	0.497797357	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_6591-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_6591001	pyar_6591001
GH6	294	maker-par_contig_6631-snap-gene-0.1-mRNA-1	351	8.10E-45	89	290	4	184	0.683673469	Pythium_arrhenomanes	Pythium	GH6_maker-par_contig_6631-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_6631011	pyar_6631011
GH89	663	maker-par_contig_665-snap-gene-0.12-mRNA-1	724	8.30E-214	2	628	50	686	0.944193062	Pythium_arrhenomanes	Pythium	GH89_maker-par_contig_665-snap-gene-0.12-mRNA-1	Oomycete	pyar	pyar_6650121	pyar_6650121
AA2	255	maker-par_contig_6697-snap-gene-0.1-mRNA-1	308	2.20E-16	23	151	167	297	0.501960784	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_6697-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_6697011	pyar_6697011
CE10	341	maker-par_contig_673-snap-gene-0.4-mRNA-1	375	7.90E-09	81	212	79	229	0.384164223	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_673-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_673041	pyar_673041
GT60	330	maker-par_contig_68-fgenesh-gene-0.5-mRNA-1	657	9.30E-92	1	329	349	629	0.993939394	Pythium_arrhenomanes	Pythium	GT60_maker-par_contig_68-fgenesh-gene-0.5-mRNA-1	Oomycete	pyar	pyar_68051	pyar_68051
GH16	189	maker-par_contig_696-snap-gene-0.6-mRNA-1	631	0.0000028	122	189	355	444	0.354497355	Pythium_arrhenomanes	Pythium	GH16_maker-par_contig_696-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_696061	pyar_696061
GT22	389	fgenesh_masked-par_contig_697-abinit-gene-0.19-mRNA-1	453	2.00E-108	3	389	16	424	0.992287918	Pythium_arrhenomanes	Pythium	GT22_fgenesh_masked-par_contig_697-abinit-gene-0.19-mRNA-1	Oomycete	pyar	pyar_6970191	pyar_6970191
AA7	458	maker-par_contig_700-snap-gene-0.1-mRNA-1	662	7.70E-16	4	198	167	379	0.423580786	Pythium_arrhenomanes	Pythium	AA7_maker-par_contig_700-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_700011	pyar_700011
GT2	168	maker-par_contig_702-fgenesh-gene-0.0-mRNA-1	757	4.20E-30	1	124	387	514	0.732142857	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_702-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_702001	pyar_702001
GT74	280	maker-par_contig_702-fgenesh-gene-0.0-mRNA-1	757	5.20E-58	1	279	5	354	0.992857143	Pythium_arrhenomanes	Pythium	GT74_maker-par_contig_702-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_702001	pyar_702001
GT48	739	snap_masked-par_contig_7-abinit-gene-0.46-mRNA-1	2462	9.80E-223	112	695	1614	2166	0.788903924	Pythium_arrhenomanes	Pythium	GT48_snap_masked-par_contig_7-abinit-gene-0.46-mRNA-1	Oomycete	pyar	pyar_70461	pyar_70461
CE1	227	maker-par_contig_707-snap-gene-0.12-mRNA-1	252	7.60E-11	27	143	48	179	0.511013216	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_707-snap-gene-0.12-mRNA-1	Oomycete	pyar	pyar_7070121	pyar_7070121
GH81	622	maker-par_contig_713-snap-gene-0.2-mRNA-1	873	5.20E-131	180	622	Pythium	384	860	0.710610933	Pythium_arrhenomanes	GH81_maker-par_contig_713-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_713021	pyar_713021
GH81	622	maker-par_contig_713-snap-gene-0.2-mRNA-1	873	4.10E-21	7	241	78	380	0.376205788	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_713-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_713021	pyar_713021
GH28	325	maker-par_contig_716-fgenesh-gene-0.0-mRNA-1	1400	4.10E-60	5	310	43	350	0.938461539	Pythium_arrhenomanes	Pythium	GH28_maker-par_contig_716-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_716001_secreted	pyar_716001_secreted
CBM32	124	maker-par_contig_721-fgenesh-gene-0.0-mRNA-1	127	0.00000086	11	67	30	93	0.451612903	Pythium_arrhenomanes	Pythium	CBM32_maker-par_contig_721-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_721001	pyar_721001
GH5	275	maker-par_contig_725-fgenesh-gene-0.2-mRNA-1	534	1.10E-22	7	236	50	448	0.832727273	Pythium_arrhenomanes	Pythium	GH5_maker-par_contig_725-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_725021	pyar_725021_secreted
GT20	475	maker-par_contig_725-snap-gene-0.1-mRNA-1	197	1.80E-56	279	473	2	194	0.408421053	Pythium_arrhenomanes	Pythium	GT20_maker-par_contig_725-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_7282011	pyar_7282011
GT4	160	fgenesh_masked-par_contig_734-abinit-gene-0.20-mRNA-1	482	2.00E-37	12	151	274	425	0.86875	Pythium_arrhenomanes	Pythium	GT4_fgenesh_masked-par_contig_734-abinit-gene-0.20-mRNA-1	Oomycete	pyar	pyar_7340201	pyar_7340201
dockerin	21	maker-par_contig_739-fgenesh-gene-0.2-mRNA-1	498	0.00016	1	13	38	50	0.571428571	Pythium_arrhenomanes	Pythium	dockerin_maker-par_contig_739-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_739021	pyar_739021
GH4	179	maker-par_contig_746-snap-gene-0.7-mRNA-1	311	0.00094	20	82	40	104	0.346368715	Pythium_arrhenomanes	Pythium	GH4_maker-par_contig_746-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_746071	pyar_746071
AA2	255	maker-par_contig_748-fgenesh-gene-0.1-mRNA-1	1158	4.90E-56	18	253	81	321	0.921568628	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_748-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_748011	pyar_748011
GT19	354	maker-par_contig_76-snap-gene-0.20-mRNA-1	465	1.00E-50	1	216	30	328	0.607344633	Pythium_arrhenomanes	Pythium	GT19_maker-par_contig_76-snap-gene-0.20-mRNA-1	Oomycete	pyar	pyar_760201	pyar_760201
CBM32	124	maker-par_contig_782-snap-gene-0.6-mRNA-1	138	9.20E-13	7	109	13	118	0.822580645	Pythium_arrhenomanes	Pythium	CBM32_maker-par_contig_782-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_782061	pyar_782061
GH17	311	maker-par_contig_787-snap-gene-0.4-mRNA-1	283	2.50E-20	71	304	38	328	0.749196142	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_787-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_787041	pyar_787041
GH17	311	maker-par_contig_787-snap-gene-0.5-mRNA-1	365	1.70E-23	11	305	49	306	0.945337621	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_787-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_787051_secreted	pyar_787051_secreted
GT60	330	snap_masked-par_contig_791-abinit-gene-0.19-mRNA-1	348	1.50E-64	4	330	31	329	0.987878788	Pythium_arrhenomanes	Pythium	GT60_snap_masked-par_contig_791-abinit-gene-0.19-mRNA-1	Oomycete	pyar	pyar_7910191	pyar_7910191
GT41	705	maker-par_contig_794-snap-gene-0.6-mRNA-1	1167	2.00E-62	112	531	255	836	0.594326241	Pythium_arrhenomanes	Pythium	GT41_maker-par_contig_794-snap-gene-0.6-mRNA-1	Oomycete	pyar	pyar_794061	pyar_794061
GT66	693	fgenesh_masked-par_contig_8-abinit-gene-0.66-mRNA-1	781	1.10E-164	18	592	4	615	0.828282828	Pythium_arrhenomanes	Pythium	GT66_fgenesh_masked-par_contig_8-abinit-gene-0.66-mRNA-1	Oomycete	pyar	pyar_80661	pyar_80661
GT48	739	maker-par_contig_8073-snap-gene-0.1-mRNA-1	266	5.00E-64	436	662	1	255	0.305818674	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_8073-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_8073011	pyar_8073011
GT48	739	maker-par_contig_8092-fgenesh-gene-0.0-mRNA-1	265	5.80E-63	436	662	1	254	0.305818674	Pythium_arrhenomanes	Pythium	GT48_maker-par_contig_8092-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_8092001	pyar_8092001
CBM1	29	maker-par_contig_820-snap-gene-0.2-mRNA-1	539	0.00035	7	29	222	244	0.75862069	Pythium_arrhenomanes	Pythium	CBM1_maker-par_contig_820-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_820021	pyar_820021
CBM1	29	maker-par_contig_820-snap-gene-0.2-mRNA-1	539	0.00046	11	29	389	407	0.620689655	Pythium_arrhenomanes	Pythium	CBM1_maker-par_contig_820-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_820021	pyar_820021
GH81	622	maker-par_contig_822-snap-gene-0.4-mRNA-1	454	1.30E-53	94	369	3	306	0.442122187	Pythium_arrhenomanes	Pythium	GH81_maker-par_contig_822-snap-gene-0.4-mRNA-1	Oomycete	pyar	pyar_822041	pyar_822041
GH12	156	maker-par_contig_831-snap-gene-0.5-mRNA-1	196	1.70E-23	2	106	91	193	0.666666667	Pythium_arrhenomanes	Pythium	GH12_maker-par_contig_831-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_831051_secreted	pyar_831051_secreted
GT90	250	maker-par_contig_84-fgenesh-gene-0.4-mRNA-1	740	4.80E-31	10	239	289	591	0.916	Pythium_arrhenomanes	Pythium	GT90_maker-par_contig_84-fgenesh-gene-0.4-mRNA-1	Oomycete	pyar	pyar_84041	pyar_84041
CBM13	188	snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	667	2.40E-10	9	125	512	616	0.617021277	Pythium_arrhenomanes	Pythium	CBM13_snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	Oomycete	pyar	pyar_845051	pyar_845051
CBM13	188	snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	667	4.20E-09	53	137	6	83	0.446808511	Pythium_arrhenomanes	Pythium	CBM13_snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	Oomycete	pyar	pyar_845051	pyar_845051
CBM13	188	snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	667	0.000000023	16	137	104	219	0.643617021	Pythium_arrhenomanes	Pythium	CBM13_snap_masked-par_contig_845-abinit-gene-0.5-mRNA-1	Oomycete	pyar	pyar_845051	pyar_845051
GH72	312	maker-par_contig_846-snap-gene-0.5-mRNA-1	293	3.30E-60	26	282	1	285	0.820512821	Pythium_arrhenomanes	Pythium	GH72_maker-par_contig_846-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_846051	pyar_846051
GT4	160	maker-par_contig_850-snap-gene-0.10-mRNA-1	490	4.50E-26	6	158	298	457	0.95	Pythium_arrhenomanes	Pythium	GT4_maker-par_contig_850-snap-gene-0.10-mRNA-1	Oomycete	pyar	pyar_8500101	pyar_8500101
GT45	115	maker-par_contig_853-fgenesh-gene-0.1-mRNA-1	421	0.00092	29	98	210	281	0.6	Pythium_arrhenomanes	Pythium	GT45_maker-par_contig_853-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_853011	pyar_853011
GH17	311	maker-par_contig_8592-snap-gene-0.1-mRNA-1	193	2.00E-13	169	306	9	126	0.44051447	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_8592-snap-gene-0.1-mRNA-1	Oomycete	pyar	pyar_8592011	pyar_8592011
GT2	168	maker-par_contig_86-fgenesh-gene-0.3-mRNA-1	340	2.10E-28	1	152	77	239	0.898809524	Pythium_arrhenomanes	Pythium	GT2_maker-par_contig_86-fgenesh-gene-0.3-mRNA-1	Oomycete	pyar	pyar_86031	pyar_86031
CE1	227	maker-par_contig_861-snap-gene-0.5-mRNA-1	379	0.00000017	14	145	193	317	0.577092511	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_861-snap-gene-0.5-mRNA-1	Oomycete	pyar	pyar_861051	pyar_861051
CE7	313	maker-par_contig_862-fgenesh-gene-0.2-mRNA-1	518	1.20E-09	162	296	146	283	0.428115016	Pythium_arrhenomanes	Pythium	CE7_maker-par_contig_862-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_862021	pyar_862021
AA2	255	maker-par_contig_870-snap-gene-0.2-mRNA-1	475	1.60E-21	22	252	239	465	0.901960784	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_870-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_870021	pyar_870021
AA2	255	maker-par_contig_870-snap-gene-0.2-mRNA-1	475	7.50E-09	122	253	4	174	0.51372549	Pythium_arrhenomanes	Pythium	AA2_maker-par_contig_870-snap-gene-0.2-mRNA-1	Oomycete	pyar	pyar_870021	pyar_870021
CBM63	78	maker-par_contig_872-fgenesh-gene-0.1-mRNA-1	226	0.000000053	2	76	140	213	0.948717949	Pythium_arrhenomanes	Pythium	CBM63_maker-par_contig_872-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_872011_secreted	pyar_872011_secreted
CBM63	78	maker-par_contig_872-snap-gene-0.8-mRNA-1	432	0.0000079	2	62	140	199	0.769230769	Pythium_arrhenomanes	Pythium	CBM63_maker-par_contig_872-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_872081	pyar_872081
GT4	160	maker-par_contig_877-snap-gene-0.7-mRNA-1	510	0.000000051	74	134	366	426	0.375	Pythium_arrhenomanes	Pythium	GT4_maker-par_contig_877-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_877071	pyar_877071
GT71	264	maker-par_contig_878-snap-gene-0.8-mRNA-1	630	1.30E-47	2	264	297	528	0.992424242	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_878-snap-gene-0.8-mRNA-1	Oomycete	pyar	pyar_878081	pyar_878081
GT71	264	maker-par_contig_878-snap-gene-0.9-mRNA-1	389	1.20E-30	2	136	214	373	0.507575758	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_878-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_878091	pyar_878091
GH47	446	maker-par_contig_898-snap-gene-0.9-mRNA-1	1051	3.40E-74	153	446	270	537	0.656950673	Pythium_arrhenomanes	Pythium	GH47_maker-par_contig_898-snap-gene-0.9-mRNA-1	Oomycete	pyar	pyar_898091	pyar_898091
CE10	341	maker-par_contig_9100-fgenesh-gene-0.0-mRNA-1	187	3.40E-21	153	326	2	165	0.507331378	Pythium_arrhenomanes	Pythium	CE10_maker-par_contig_9100-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_9100001	pyar_9100001
GT71	264	maker-par_contig_918-fgenesh-gene-0.1-mRNA-1	522	3.40E-39	2	257	146	411	0.965909091	Pythium_arrhenomanes	Pythium	GT71_maker-par_contig_918-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_918011	pyar_918011
CE12	210	maker-par_contig_938-fgenesh-gene-0.1-mRNA-1	245	3.90E-11	3	161	14	192	0.752380952	Pythium_arrhenomanes	Pythium	CE12_maker-par_contig_938-fgenesh-gene-0.1-mRNA-1	Oomycete	pyar	pyar_938011	pyar_938011
GH47	446	maker-par_contig_939-snap-gene-0.6														

GH17	311	maker-par_contig_988-snap-gene-0.7-mRNA-1	363	3.70E-26	21	306	60	310	0.916398714	Pythium_arrhenomanes	Pythium	GH17_maker-par_contig_988-snap-gene-0.7-mRNA-1	Oomycete	pyar	pyar_988071	pyar_988071_secreted
GH109	126	maker-par_contig_991-fgenesh-gene-0.0-mRNA-1	620	2.50E-12	2	118	10	117	0.920634921	Pythium_arrhenomanes	Pythium	GH109_maker-par_contig_991-fgenesh-gene-0.0-mRNA-1	Oomycete	pyar	pyar_991001	pyar_991001
CE1	227	maker-par_contig_996-fgenesh-gene-0.2-mRNA-1	272	0.000003	22	138	137	268	0.511013216	Pythium_arrhenomanes	Pythium	CE1_maker-par_contig_996-fgenesh-gene-0.2-mRNA-1	Oomycete	pyar	pyar_996021	pyar_996021
PL3	197	maker-pir_contig_1004-snap-gene-0.4-mRNA-1	360	2.20E-63	20	193	38	214	0.878172589	Pythium_irregular	Pythium	PL3_maker-pir_contig_1004-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_1004041	pyir_1004041_secreted
GH38	269	maker-pir_contig_1007-snap-gene-0.5-mRNA-1	1067	3.60E-67	1	269	44	357	0.996282528	Pythium_irregular	Pythium	GH38_maker-pir_contig_1007-snap-gene-0.5-mRNA-1	Oomycete	pyir	pyir_1007051	pyir_1007051
GT4	160	maker-pir_contig_1023-snap-gene-0.4-mRNA-1	653	2.00E-30	10	159	471	622	0.93125	Pythium_irregular	Pythium	GT4_maker-pir_contig_1023-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_1023041	pyir_1023041_secreted
CE10	341	maker-pir_contig_1027-fgenesh-gene-0.1-mRNA-1	743	1.90E-47	93	332	489	735	0.700879765	Pythium_irregular	Pythium	CE10_maker-pir_contig_1027-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1027011	pyir_1027011
CE10	341	maker-pir_contig_103-snap-gene-0.18-mRNA-1	294	4.70E-39	80	337	29	289	0.753665689	Pythium_irregular	Pythium	CE10_maker-pir_contig_103-snap-gene-0.18-mRNA-1	Oomycete	pyir	pyir_1030181	pyir_1030181
GT4	160	maker-pir_contig_103-fgenesh-gene-0.7-mRNA-1	454	1.10E-40	6	153	259	418	0.91875	Pythium_irregular	Pythium	GT4_maker-pir_contig_103-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_103071	pyir_103071
GH17	311	maker-pir_contig_1034-fgenesh-gene-0.2-mRNA-1	312	1.10E-16	20	303	8	243	0.909967846	Pythium_irregular	Pythium	GH17_maker-pir_contig_1034-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1034021	pyir_1034021
GT48	739	maker-pir_contig_104-snap-gene-0.29-mRNA-1	2245	3.20E-259	2	681	854	1575	0.918809202	Pythium_irregular	Pythium	GT48_maker-pir_contig_104-snap-gene-0.29-mRNA-1	Oomycete	pyir	pyir_1040291	pyir_1040291
CBM50	40	maker-pir_contig_1-snap-gene-0.42-mRNA-1	1793	0.00000042	3	39	1635	1675	0.9	Pythium_irregular	Pythium	CBM50_maker-pir_contig_1-snap-gene-0.42-mRNA-1	Oomycete	pyir	pyir_10421	pyir_10421
CE10	341	maker-pir_contig_105-fgenesh-gene-0.7-mRNA-1	493	1.10E-41	78	308	177	426	0.674486804	Pythium_irregular	Pythium	CE10_maker-pir_contig_105-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_105071	pyir_105071
GT20	475	maker-pir_contig_1061-fgenesh-gene-0.2-mRNA-1	835	5.50E-151	11	474	4	470	0.974736842	Pythium_irregular	Pythium	GT20_maker-pir_contig_1061-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1061021	pyir_1061021
CE10	341	maker-pir_contig_1068-fgenesh-gene-0.0-mRNA-1	495	3.10E-34	74	209	100	249	0.395894428	Pythium_irregular	Pythium	CE10_maker-pir_contig_1068-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1068001	pyir_1068001_secreted
GH5	275	maker-pir_contig_107-fgenesh-gene-0.2-mRNA-1	421	5.40E-40	12	236	103	398	0.814545455	Pythium_irregular	Pythium	GH5_maker-pir_contig_107-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_107021	pyir_107021_secreted
CE2	209	maker-pir_contig_109-fgenesh-gene-0.7-mRNA-1	454	2.90E-54	1	209	201	418	0.995215311	Pythium_irregular	Pythium	CE2_maker-pir_contig_109-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_109071	pyir_109071
CBM13	188	maker-pir_contig_1096-fgenesh-gene-0.1-mRNA-1	662	1.60E-19	12	141	111	246	0.686170213	Pythium_irregular	Pythium	CBM13_maker-pir_contig_1096-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1096011	pyir_1096011
CBM13	188	maker-pir_contig_1096-fgenesh-gene-0.1-mRNA-1	662	1.10E-14	12	133	267	395	0.643617021	Pythium_irregular	Pythium	CBM13_maker-pir_contig_1096-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1096011	pyir_1096011
GH6	294	maker-pir_contig_1105-fgenesh-gene-0.1-mRNA-1	440	3.30E-59	9	289	39	297	0.952380952	Pythium_irregular	Pythium	GH6_maker-pir_contig_1105-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1105011	pyir_1105011_secreted
CE1	227	maker-pir_contig_1113-fgenesh-gene-0.0-mRNA-1	246	1.70E-11	22	207	39	227	0.814977974	Pythium_irregular	Pythium	CE1_maker-pir_contig_1113-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1113001	pyir_1113001
GH5	275	maker-pir_contig_1117-snap-gene-0.3-mRNA-1	652	1.20E-31	3	245	275	597	0.88	Pythium_irregular	Pythium	GH5_maker-pir_contig_1117-snap-gene-0.3-mRNA-1	Oomycete	pyir	pyir_1117031	pyir_1117031
CE1	227	maker-pir_contig_1124-fgenesh-gene-0.2-mRNA-1	366	0.0000016	13	143	73	267	0.572687225	Pythium_irregular	Pythium	CE1_maker-pir_contig_1124-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1124021	pyir_1124021
AA2	255	maker-pir_contig_1157-fgenesh-gene-0.0-mRNA-1	688	4.60E-30	27	253	459	681	0.88627451	Pythium_irregular	Pythium	AA2_maker-pir_contig_1157-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1157001	pyir_1157001_secreted
AA2	255	maker-pir_contig_1157-fgenesh-gene-0.0-mRNA-1	688	1.70E-24	16	125	77	188	0.42745098	Pythium_irregular	Pythium	AA2_maker-pir_contig_1157-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1157001	pyir_1157001_secreted
GH5	275	maker-pir_contig_1161-fgenesh-gene-0.1-mRNA-1	531	1.50E-20	4	235	132	483	0.84	Pythium_irregular	Pythium	GH5_maker-pir_contig_1161-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1161011	pyir_1161011
GT71	264	maker-pir_contig_1168-fgenesh-gene-0.2-mRNA-1	642	8.70E-51	2	264	301	530	0.992424242	Pythium_irregular	Pythium	GT71_maker-pir_contig_1168-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1168021	pyir_1168021
GT41	705	maker-pir_contig_1180-snap-gene-0.2-mRNA-1	1050	5.90E-65	86	495	268	862	0.580141844	Pythium_irregular	Pythium	GT41_maker-pir_contig_1180-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1180021	pyir_1180021
GH114	190	maker-pir_contig_1-fgenesh-gene-1.8-mRNA-1	308	0.00074	31	98	33	105	0.352631579	Pythium_irregular	Pythium	GH114_maker-pir_contig_1-fgenesh-gene-1.8-mRNA-1	Oomycete	pyir	pyir_1181	pyir_1181
GH6	294	maker-pir_contig_1187-fgenesh-gene-0.0-mRNA-1	525	5.40E-55	13	289	44	304	0.93877551	Pythium_irregular	Pythium	GH6_maker-pir_contig_1187-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1187001	pyir_1187001
GH6	294	maker-pir_contig_1187-fgenesh-gene-0.1-mRNA-1	539	2.00E-57	11	290	39	295	0.948979592	Pythium_irregular	Pythium	GH6_maker-pir_contig_1187-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1187011	pyir_1187011
GT7	250	maker-pir_contig_1188-fgenesh-gene-0.1-mRNA-1	433	2.30E-60	23	249	143	379	0.904	Pythium_irregular	Pythium	GT7_maker-pir_contig_1188-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1188011	pyir_1188011
GH28	325	maker-pir_contig_1196-fgenesh-gene-0.2-mRNA-1	206	4.80E-40	126	317	3	206	0.587692308	Pythium_irregular	Pythium	GH28_maker-pir_contig_1196-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1196021	pyir_1196021
CE10	341	maker-pir_contig_1199-snap-gene-0.9-mRNA-1	428	4.00E-34	74	333	119	398	0.759530792	Pythium_irregular	Pythium	CE10_maker-pir_contig_1199-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_1199091	pyir_1199091
GT2	168	snap_masked-pir_contig_1201-abinit-gene-0.10-mRNA-1	1047	0.000000026	3	97	370	545	0.55952381	Pythium_irregular	Pythium	GT2_snap_masked-pir_contig_1201-abinit-gene-0.10-mRNA-1	Oomycete	pyir	pyir_12010101	pyir_12010101
GT2	168	snap_masked-pir_contig_1201-abinit-gene-0.10-mRNA-1	1047	0.000000055	105	168	668	731	0.375	Pythium_irregular	Pythium	GT2_snap_masked-pir_contig_1201-abinit-gene-0.10-mRNA-1	Oomycete	pyir	pyir_12010101	pyir_12010101
GH37	491	maker-pir_contig_1203-fgenesh-gene-0.0-mRNA-1	722	1.20E-154	2	491	149	709	0.99592668	Pythium_irregular	Pythium	GH37_maker-pir_contig_1203-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1203001	pyir_1203001
CBM40	179	maker-pir_contig_12-snap-gene-0.38-mRNA-1	367	0.00000023	82	173	151	237	0.508379888	Pythium_irregular	Pythium	CBM40_maker-pir_contig_12-snap-gene-0.38-mRNA-1	Oomycete	pyir	pyir_120381	pyir_120381_secreted
GH6	294	maker-pir_contig_1206-fgenesh-gene-0.0-mRNA-1	714	9.90E-61	10	289	42	299	0.948979592	Pythium_irregular	Pythium	GH6_maker-pir_contig_1206-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1206001	pyir_1206001
GH3	216	maker-pir_contig_12-fgenesh-gene-0.8-mRNA-1	812	1.30E-60	3	214	75	322	0.976851852	Pythium_irregular	Pythium	GH3_maker-pir_contig_12-fgenesh-gene-0.8-mRNA-1	Oomycete	pyir	pyir_12081	pyir_12081_secreted
CE13	355	maker-pir_contig_1212-fgenesh-gene-0.0-mRNA-1	341	8.00E-21	40	222	77	277	0.512676056	Pythium_irregular	Pythium	CE13_maker-pir_contig_1212-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1212001	pyir_1212001_secreted
CBM63	78	maker-pir_contig_1226-fgenesh-gene-0.0-mRNA-1	454	0.000000025	2	74	145	218	0.923076923	Pythium_irregular	Pythium	CBM63_maker-pir_contig_1226-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1226001	pyir_1226001
CBM63	78	maker-pir_contig_1226-fgenesh-gene-0.1-mRNA-1	462	0.00000023	2	74	143	216	0.923076923	Pythium_irregular	Pythium	CBM63_maker-pir_contig_1226-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1226011	pyir_1226011
CE10	341	maker-pir_contig_1230-snap-gene-0.5-mRNA-1	352	7.40E-10	81	211	80	206	0.381231672	Pythium_irregular	Pythium	CE10_maker-pir_contig_1230-snap-gene-0.5-mRNA-1	Oomycete	pyir	pyir_1230051	pyir_1230051
AA8	815	fgenesh_masked-pir_contig_124-abinit-gene-0.56-mRNA-1	617	1.10E-81	232	806	16	592	0.704294479	Pythium_irregular	Pythium	AA8_fgenesh_masked-pir_contig_124-abinit-gene-0.56-mRNA-1	Oomycete	pyir	pyir_1240561	pyir_1240561
GT1	382	maker-pir_contig_1245-snap-gene-0.2-mRNA-1	807	1.20E-14	86	359	310	623	0.714659686	Pythium_irregular	Pythium	GT1_maker-pir_contig_1245-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1245021	pyir_1245021
CE10	341	maker-pir_contig_1246-snap-gene-0.6-mRNA-1	432	1.20E-29	93	313	187	431	0.64516129	Pythium_irregular	Pythium	CE10_maker-pir_contig_1246-snap-gene-0.6-mRNA-1	Oomycete	pyir	pyir_1246061	pyir_1246061
GT31	192	maker-pir_contig_125-fgenesh-gene-0.12-mRNA-1	364	3.60E-13	57	191	118	274	0.697916667	Pythium_irregular	Pythium	GT31_maker-pir_contig_125-fgenesh-gene-0.12-mRNA-1	Oomycete	pyir	pyir_1250121	pyir_1250121_secreted
GT10	347	maker-pir_contig_1251-fgenesh-gene-0.3-mRNA-1	160	2.10E-29	201	313	3	127	0.322766571	Pythium_irregular	Pythium	GT10_maker-pir_contig_1251-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_1251031	pyir_1251031
GT10	347	maker-pir_contig_1251-snap-gene-0.4-mRNA-1	177	3.00E-33	181	315	4	148	0.386167147	Pythium_irregular	Pythium	GT10_maker-pir_contig_1251-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_1251041	pyir_1251041
CE14	124	maker-pir_contig_1270-fgenesh-gene-0.2-mRNA-1	938	1.10E-09	1	123	689	818	0.983870968	Pythium_irregular	Pythium	CE14_maker-pir_contig_1270-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1270021	pyir_1270021
GH63	570	maker-pir_contig_128-fgenesh-gene-0.15-mRNA-1	939	1.50E-20	318	567	644	937	0.436842105	Pythium_irregular	Pythium	GH63_maker-pir_contig_128-fgenesh-gene-0.15-mRNA-1	Oomycete	pyir	pyir_1280151	pyir_1280151_secreted
GH1	429	maker-pir_contig_1288-snap-gene-0.4-mRNA-1	483	1.00E-168	4	428	6	480	0.988344988	Pythium_irregular	Pythium	GH1_maker-pir_contig_1288-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_1288041	pyir_1288041
GT48	739	maker-pir_contig_1300-snap-gene-0.3-mRNA-1	1256	2.80E-76	3	235	1028	1256	0.313937754	Pythium_irregular	Pythium	GT48_maker-pir_contig_1300-snap-gene-0.3-mRNA-1	Oomycete	pyir	pyir_1300031	pyir_1300031
GT4	160	maker-pir_contig_13-snap-gene-0.38-mRNA-1	1432	0.00000002	19	117	1235	1347	0.6125	Pythium_irregular	Pythium	GT4_maker-pir_contig_13-snap-gene-0.38-mRNA-1	Oomycete	pyir	pyir_130381	pyir_130381_secreted
GT41	705	maker-pir_contig_13-snap-gene-0.38-mRNA-1	1432	3.50E-104	19	530	91	757	0.724822695	Pythium_irregular	Pythium	GT41_maker-pir_contig_13-snap-gene-0.38-mRNA-1	Oomycete	pyir	pyir_130381	pyir_130381_secreted
CE1	227	maker-pir_contig_132-fgenesh-gene-0.18-mRNA-1	309	1.80E-12	24	174	47	196	0.660792952	Pythium_irregular	Pythium	CE1_maker-pir_contig_132-fgenesh-gene-0.18-mRNA-1	Oomycete	pyir	pyir_1320181	pyir_1320181_secreted
CE1	227	maker-pir_contig_132-snap-gene-0.41-mRNA-1	308	1.70E-13	22	147	45	247	0.550660793	Pythium_irregular	Pythium	CE1_maker-pir_contig_132-snap-gene-0.41-mRNA-1	Oomycete	pyir	pyir_1320411	pyir_1320411
AA3	618	snap_masked-pir_contig_133-abinit-gene-0.54-mRNA-1	565	9.30E-93	70	400	24	544	0.533980583	Pythium_irregular	Pythium	AA3_snap_masked-pir_contig_133-abinit-gene-0.54-mRNA-1	Oomycete	pyir	pyir_1330541	pyir_1330541
CBM9	182	maker-pir_contig_1340-fgenesh-gene-0.1-mRNA-1	418	3.70E-30	1											

GH3	216	maker-pir_contig_141-fgenesh-gene-0.1-mRNA-1	802	4.10E-56	6	204	81	289	0.916666667	Pythium_irregularare	Pythium	GH3_maker-pir_contig_141-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_141011	pyir_141011
GH72	312	maker-pir_contig_141-fgenesh-gene-0.7-mRNA-1	550	5.80E-70	15	310	1	344	0.945512821	Pythium_irregularare	Pythium	GH72_maker-pir_contig_141-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_141071	pyir_141071
GT2	168	snap_masked-pir_contig_144-abinit-gene-0.48-mRNA-1	1109	3.00E-17	5	168	552	784	0.970238095	Pythium_irregularare	Pythium	GT2_snap_masked-pir_contig_144-abinit-gene-0.48-mRNA-1	Oomycete	pyir	pyir_1440481	pyir_1440481
GT2_Cellulose_synt	722	snap_masked-pir_contig_144-abinit-gene-0.48-mRNA-1	1109	5.70E-16	416	678	786	1052	0.362880886	Pythium_irregularare	Pythium	GT2_Cellulose_synt_snap_masked-pir_contig_144-abinit-gene-0.48-mRNA-1	Oomycete	pyir	pyir_1440481	pyir_1440481
GH81	622	maker-pir_contig_144-fgenesh-gene-0.6-mRNA-1	1195	1.60E-152	13	622	84	782	0.979099679	Pythium_irregularare	Pythium	GH81_maker-pir_contig_144-fgenesh-gene-0.6-mRNA-1	Oomycete	pyir	pyir_144061	pyir_144061
GH5	275	maker-pir_contig_145-fgenesh-gene-0.2-mRNA-1	723	1.30E-29	3	237	18	517	0.850909091	Pythium_irregularare	Pythium	GH5_maker-pir_contig_145-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_145021	pyir_145021
GT20	475	fgenesh_masked-pir_contig_145-abinit-gene-0.55-mRNA-1	959	4.80E-59	273	473	306	508	0.421052632	Pythium_irregularare	Pythium	GT20_fgenesh_masked-pir_contig_145-abinit-gene-0.55-mRNA-1	Oomycete	pyir	pyir_1450551	pyir_1450551
GT20	475	fgenesh_masked-pir_contig_145-abinit-gene-0.55-mRNA-1	959	2.00E-55	12	211	32	306	0.418947368	Pythium_irregularare	Pythium	GT20_fgenesh_masked-pir_contig_145-abinit-gene-0.55-mRNA-1	Oomycete	pyir	pyir_1450551	pyir_1450551
CE1	227	maker-pir_contig_1456-snap-gene-0.2-mRNA-1	662	1.50E-10	9	143	280	502	0.59030837	Pythium_irregularare	Pythium	CE1_maker-pir_contig_1456-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1456021	pyir_1456021
GT71	264	fgenesh_masked-pir_contig_150-abinit-gene-0.51-mRNA-1	587	1.10E-45	2	262	139	416	0.984848485	Pythium_irregularare	Pythium	GT71_fgenesh_masked-pir_contig_150-abinit-gene-0.51-mRNA-1	Oomycete	pyir	pyir_1500511	pyir_1500511
GT71	264	maker-pir_contig_150-fgenesh-gene-0.6-mRNA-1	396	1.40E-38	2	257	15	278	0.965909091	Pythium_irregularare	Pythium	GT71_maker-pir_contig_150-fgenesh-gene-0.6-mRNA-1	Oomycete	pyir	pyir_150061	pyir_150061
GT71	264	maker-pir_contig_150-fgenesh-gene-0.7-mRNA-1	610	3.00E-38	2	257	227	492	0.965909091	Pythium_irregularare	Pythium	GT71_maker-pir_contig_150-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_150071	pyir_150071
GH109	126	maker-pir_contig_15-snap-gene-0.43-mRNA-1	519	5.40E-11	2	122	10	121	0.952380952	Pythium_irregularare	Pythium	GH109_maker-pir_contig_15-snap-gene-0.43-mRNA-1	Oomycete	pyir	pyir_150431	pyir_150431
GT48	739	maker-pir_contig_1511-snap-gene-0.1-mRNA-1	1385	1.50E-81	3	235	1158	1385	0.313937754	Pythium_irregularare	Pythium	GT48_maker-pir_contig_1511-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1511011	pyir_1511011
CE1	227	maker-pir_contig_152-snap-gene-0.16-mRNA-1	356	0.000002	10	194	48	302	0.810572687	Pythium_irregularare	Pythium	CE1_maker-pir_contig_152-snap-gene-0.16-mRNA-1	Oomycete	pyir	pyir_1520161	pyir_1520161
GH30	417	maker-pir_contig_153-fgenesh-gene-0.14-mRNA-1	548	4.30E-111	9	416	91	546	0.976019185	Pythium_irregularare	Pythium	GH30_maker-pir_contig_153-fgenesh-gene-0.14-mRNA-1	Oomycete	pyir	pyir_1530141	pyir_1530141_secreted
CBM50	40	maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	297	1.90E-10	1	39	33	88	0.95	Pythium_irregularare	Pythium	CBM50_maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_153031	pyir_153031
CBM50	40	maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	297	0.00000004	1	39	228	274	0.95	Pythium_irregularare	Pythium	CBM50_maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_153031	pyir_153031
CBM50	40	maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	297	0.0000012	1	27	111	137	0.65	Pythium_irregularare	Pythium	CBM50_maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_153031	pyir_153031
CBM50	40	maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	297	0.0000054	1	40	157	204	0.975	Pythium_irregularare	Pythium	CBM50_maker-pir_contig_153-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_153031	pyir_153031
GH18	296	snap_masked-pir_contig_153-fgenesh-gene-0.56-mRNA-1	412	7.80E-21	82	279	210	403	0.665540541	Pythium_irregularare	Pythium	GH18_snap_masked-pir_contig_153-fgenesh-gene-0.56-mRNA-1	Oomycete	pyir	pyir_1530561	pyir_1530561_secreted
GT20	475	maker-pir_contig_153-fgenesh-gene-0.8-mRNA-1	1293	4.00E-109	11	330	117	455	0.671578947	Pythium_irregularare	Pythium	GT20_maker-pir_contig_153-fgenesh-gene-0.8-mRNA-1	Oomycete	pyir	pyir_153081	pyir_153081
GT20	475	maker-pir_contig_153-fgenesh-gene-0.8-mRNA-1	1293	4.20E-64	326	473	508	723	0.309473684	Pythium_irregularare	Pythium	GT20_maker-pir_contig_153-fgenesh-gene-0.8-mRNA-1	Oomycete	pyir	pyir_153081	pyir_153081
CE13	355	maker-pir_contig_1538-fgenesh-gene-0.1-mRNA-1	451	2.90E-24	29	215	82	285	0.523943662	Pythium_irregularare	Pythium	CE13_maker-pir_contig_1538-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1538011	pyir_1538011_secreted
GH72	312	maker-pir_contig_154-snap-gene-0.25-mRNA-1	499	1.60E-74	4	284	27	329	0.897435897	Pythium_irregularare	Pythium	GH72_maker-pir_contig_154-snap-gene-0.25-mRNA-1	Oomycete	pyir	pyir_1540251	pyir_1540251_secreted
GT60	330	maker-pir_contig_1550-fgenesh-gene-0.1-mRNA-1	430	9.40E-76	4	329	103	405	0.984848485	Pythium_irregularare	Pythium	GT60_maker-pir_contig_1550-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1550011	pyir_1550011
AA6	195	maker-pir_contig_155-snap-gene-0.22-mRNA-1	102	1.30E-31	1	83	3	88	0.420512821	Pythium_irregularare	Pythium	AA6_maker-pir_contig_155-snap-gene-0.22-mRNA-1	Oomycete	pyir	pyir_1550221	pyir_1550221
AA9	220	maker-pir_contig_155-fgenesh-gene-0.7-mRNA-1	182	0.0000022	2	127	14	163	0.568181818	Pythium_irregularare	Pythium	AA9_maker-pir_contig_155-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_155071	pyir_155071_secreted
GH5	275	maker-pir_contig_1561-snap-gene-0.3-mRNA-1	552	1.20E-28	3	244	141	508	0.876363636	Pythium_irregularare	Pythium	GH5_maker-pir_contig_1561-snap-gene-0.3-mRNA-1	Oomycete	pyir	pyir_1561031	pyir_1561031
CBM20	90	maker-pir_contig_1587-fgenesh-gene-0.0-mRNA-1	1089	2.10E-16	15	86	45	124	0.788888889	Pythium_irregularare	Pythium	CBM20_maker-pir_contig_1587-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1587001	pyir_1587001
CBM47	128	maker-pir_contig_1587-fgenesh-gene-0.0-mRNA-1	1089	3.40E-13	3	58	135	197	0.4296875	Pythium_irregularare	Pythium	CBM47_maker-pir_contig_1587-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1587001	pyir_1587001
CE1	227	maker-pir_contig_161-fgenesh-gene-0.1-mRNA-1	293	5.50E-45	1	225	21	289	0.986784141	Pythium_irregularare	Pythium	CE1_maker-pir_contig_161-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_161011	pyir_161011
GT2	168	maker-pir_contig_162-fgenesh-gene-0.3-mRNA-1	244	4.70E-43	1	168	12	182	0.994047619	Pythium_irregularare	Pythium	GT2_maker-pir_contig_162-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_162031	pyir_162031
AA2	255	maker-pir_contig_1629-fgenesh-gene-0.0-mRNA-1	288	2.70E-21	58	146	94	190	0.345908039	Pythium_irregularare	Pythium	AA2_maker-pir_contig_1629-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1629001	pyir_1629001
AA2	255	maker-pir_contig_1629-fgenesh-gene-0.0-mRNA-1	288	5.80E-10	176	253	192	268	0.301960784	Pythium_irregularare	Pythium	AA2_maker-pir_contig_1629-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1629001	pyir_1629001
GH1	429	maker-pir_contig_1632-fgenesh-gene-0.0-mRNA-1	477	5.40E-170	4	428	6	472	0.988344988	Pythium_irregularare	Pythium	GH1_maker-pir_contig_1632-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1632001	pyir_1632001
GH5	275	maker-pir_contig_1644-snap-gene-0.2-mRNA-1	554	1.30E-31	27	200	305	539	0.629090909	Pythium_irregularare	Pythium	GH5_maker-pir_contig_1644-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1644021	pyir_1644021_secreted
CBM63	78	maker-pir_contig_1661-fgenesh-gene-0.0-mRNA-1	1094	0.00000055	2	72	970	1039	0.897435897	Pythium_irregularare	Pythium	CBM63_maker-pir_contig_1661-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1661001	pyir_1661001
CBM21	107	maker-pir_contig_1668-fgenesh-gene-0.0-mRNA-1	149	1.80E-15	3	107	23	121	0.971962617	Pythium_irregularare	Pythium	CBM21_maker-pir_contig_1668-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1668001	pyir_1668001_secreted
GT20	475	maker-pir_contig_168-snap-gene-0.23-mRNA-1	1051	2.80E-64	11	278	69	394	0.562105263	Pythium_irregularare	Pythium	GT20_maker-pir_contig_168-snap-gene-0.23-mRNA-1	Oomycete	pyir	pyir_1680231	pyir_1680231
GT20	475	maker-pir_contig_168-snap-gene-0.23-mRNA-1	1051	5.50E-30	311	474	409	583	0.343157895	Pythium_irregularare	Pythium	GT20_maker-pir_contig_168-snap-gene-0.23-mRNA-1	Oomycete	pyir	pyir_1680231	pyir_1680231
CBM32	124	maker-pir_contig_1713-snap-gene-0.1-mRNA-1	612	0.000031	35	107	78	157	0.580645161	Pythium_irregularare	Pythium	CBM32_maker-pir_contig_1713-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1713011	pyir_1713011
GH5	275	maker-pir_contig_1721-fgenesh-gene-0.0-mRNA-1	400	8.60E-37	24	240	97	384	0.785454546	Pythium_irregularare	Pythium	GH5_maker-pir_contig_1721-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1721001	pyir_1721001_secreted
CBM1	29	maker-pir_contig_1724-snap-gene-0.2-mRNA-1	370	3.70E-10	1	29	333	361	0.965517241	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_1724-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1724021	pyir_1724021_secreted
CBM1	29	maker-pir_contig_1724-snap-gene-0.2-mRNA-1	370	0.000026	2	23	122	143	0.724137931	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_1724-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1724021	pyir_1724021_secreted
GH1	429	maker-pir_contig_173-fgenesh-gene-0.14-mRNA-1	602	1.90E-137	2	427	39	523	0.990675991	Pythium_irregularare	Pythium	GH1_maker-pir_contig_173-fgenesh-gene-0.14-mRNA-1	Oomycete	pyir	pyir_1730141	pyir_1730141
GH1	429	maker-pir_contig_173-fgenesh-gene-0.15-mRNA-1	583	4.60E-141	2	426	29	512	0.988344988	Pythium_irregularare	Pythium	GH1_maker-pir_contig_173-fgenesh-gene-0.15-mRNA-1	Oomycete	pyir	pyir_1730151	pyir_1730151
CE10	341	maker-pir_contig_175-fgenesh-gene-0.11-mRNA-1	741	0.000000005	74	278	467	672	0.598240469	Pythium_irregularare	Pythium	CE10_maker-pir_contig_175-fgenesh-gene-0.11-mRNA-1	Oomycete	pyir	pyir_1750111	pyir_1750111
GT96	307	maker-pir_contig_1756-fgenesh-gene-0.2-mRNA-1	467	1.10E-17	1	222	72	320	0.719869707	Pythium_irregularare	Pythium	GT96_maker-pir_contig_1756-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_1756021	pyir_1756021_secreted
PL3	197	maker-pir_contig_1757-snap-gene-0.4-mRNA-1	209	2.30E-51	7	193	6	195	0.944162437	Pythium_irregularare	Pythium	PL3_maker-pir_contig_1757-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_1757041	pyir_1757041
GT60	330	maker-pir_contig_176-fgenesh-gene-0.6-mRNA-1	681	4.00E-93	1	330	345	650	0.996969697	Pythium_irregularare	Pythium	GT60_maker-pir_contig_176-fgenesh-gene-0.6-mRNA-1	Oomycete	pyir	pyir_176061	pyir_176061
GT2	168	maker-pir_contig_1771-snap-gene-0.1-mRNA-1	1017	0.0000001	105	168	636	699	0.375	Pythium_irregularare	Pythium	GT2_maker-pir_contig_1771-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1771011	pyir_1771011
CBM47	128	fgenesh_masked-pir_contig_181-abinit-gene-0.49-mRNA-1	1943	1.40E-20	3	128	1129	1270	0.9765625	Pythium_irregularare	Pythium	CBM47_fgenesh_masked-pir_contig_181-abinit-gene-0.49-mRNA-1	Oomycete	pyir	pyir_1810491	pyir_1810491
GH6	294	maker-pir_contig_1829-snap-gene-0.3-mRNA-1	690	4.20E-56	12	290	49	304	0.945578231	Pythium_irregularare	Pythium	GH6_maker-pir_contig_1829-snap-gene-0.3-mRNA-1	Oomycete	pyir	pyir_1829031	pyir_1829031
GH5	275	maker-pir_contig_1831-fgenesh-gene-0.0-mRNA-1	429	1.50E-47	6	251	84	414	0.890909091	Pythium_irregularare	Pythium	GH5_maker-pir_contig_1831-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1831001	pyir_1831001_secreted
GT4	160	maker-pir_contig_1832-snap-gene-0.1-mRNA-1	556	0.000011	71	136	397	461	0.40625	Pythium_irregularare	Pythium	GT4_maker-pir_contig_1832-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_1832011	pyir_1832011
GH81	622	maker-pir_contig_184-snap-gene-0.21-mRNA-1	721	2.70E-165	17	571	66	693	0.890675241	Pythium_irregularare	Pythium	GH81_maker-pir_contig_184-snap-gene-0.21-mRNA-1	Oomycete	pyir	pyir_1840211	pyir_1840211_secreted
GT8	257	fgenesh-pir_contig_1844-abinit-gene-0.12-mRNA-1	259	1.10E-44	30	255	5	236	0.875486381	Pythium_irregularare	Pythium	GT8_fgenesh-pir_contig_1844-abinit-gene-0.12-mRNA-1	Oomycete	pyir	pyir_18440121	pyir_18440121
GT4	160	maker-pir_contig_186-snap-gene-0.17-mRNA-1	512	5.40E-30	4	148	247	390	0.9	Pythium_irregularare	Pythium	GT4_maker-pir_contig_186-snap-gene-0.17-mRNA-1	Oomycete	pyir	pyir_1860171	pyir_1860171
GH72																

GT22	389	maker-pir_contig_196-fgenesh-gene-0.1-mRNA-1	622	1.20E-91	3	389	68	498	0.992287918	Pythium_irregularare	Pythium	GT22_maker-pir_contig_196-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_196011	pyir_196011
CBM32	124	maker-pir_contig_196-fgenesh-gene-0.2-mRNA-1	202	8.20E-13	17	109	57	162	0.741935484	Pythium_irregularare	Pythium	CBM32_maker-pir_contig_196-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_196021	pyir_196021_secreted
PL1	202	maker-pir_contig_1986-fgenesh-gene-0.0-mRNA-1	405	5.40E-39	20	201	121	321	0.896039604	Pythium_irregularare	Pythium	PL1_maker-pir_contig_1986-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_1986001	pyir_1986001_secreted
CE1	227	maker-pir_contig_2003-snap-gene-0.1-mRNA-1	542	0.00000035	12	140	250	369	0.563876652	Pythium_irregularare	Pythium	CE1_maker-pir_contig_2003-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2003011	pyir_2003011
CE13	355	maker-pir_contig_2015-fgenesh-gene-0.0-mRNA-1	423	3.30E-24	24	190	50	232	0.467605634	Pythium_irregularare	Pythium	CE13_maker-pir_contig_2015-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2015001	pyir_2015001_secreted
GT1	382	maker-pir_contig_2029-snap-gene-0.1-mRNA-1	936	4.80E-15	139	375	470	753	0.617801047	Pythium_irregularare	Pythium	GT1_maker-pir_contig_2029-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2029011	pyir_2029011
GT24	248	maker-pir_contig_203-snap-gene-0.17-mRNA-1	1623	8.40E-124	1	248	1337	1582	0.995967742	Pythium_irregularare	Pythium	GT24_maker-pir_contig_203-snap-gene-0.17-mRNA-1	Oomycete	pyir	pyir_2030171	pyir_2030171_secreted
GH72	312	maker-pir_contig_2034-snap-gene-0.1-mRNA-1	582	1.20E-38	102	284	209	414	0.583333333	Pythium_irregularare	Pythium	GH72_maker-pir_contig_2034-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2034011	pyir_2034011
GH5	275	maker-pir_contig_2040-fgenesh-gene-0.0-mRNA-1	421	3.50E-46	6	251	75	406	0.890909091	Pythium_irregularare	Pythium	GH5_maker-pir_contig_2040-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2040001	pyir_2040001_secreted
GT48	739	maker-pir_contig_205-snap-gene-0.12-mRNA-1	2142	4.10E-271	2	713	845	1591	0.962110961	Pythium_irregularare	Pythium	GT48_maker-pir_contig_205-snap-gene-0.12-mRNA-1	Oomycete	pyir	pyir_2050121	pyir_2050121
CBM9	182	maker-pir_contig_2060-fgenesh-gene-0.0-mRNA-1	421	6.30E-33	1	149	37	213	0.813186813	Pythium_irregularare	Pythium	CBM9_maker-pir_contig_2060-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2060001	pyir_2060001
GT71	264	maker-pir_contig_2069-snap-gene-0.2-mRNA-1	447	1.40E-21	2	238	211	431	0.893939394	Pythium_irregularare	Pythium	GT71_maker-pir_contig_2069-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_2069021	pyir_2069021
GH31	427	maker-pir_contig_21-fgenesh-gene-0.7-mRNA-1	1032	1.40E-109	1	427	282	721	0.99765808	Pythium_irregularare	Pythium	GH31_maker-pir_contig_21-fgenesh-gene-0.7-mRNA-1	Oomycete	pyir	pyir_21071	pyir_21071_secreted
PL3	197	maker-pir_contig_2121-fgenesh-gene-0.0-mRNA-1	261	3.80E-72	4	191	34	227	0.949238579	Pythium_irregularare	Pythium	PL3_maker-pir_contig_2121-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2121001	pyir_2121001_secreted
GT48	739	maker-pir_contig_2-snap-gene-1.37-mRNA-1	2595	3.80E-261	3	709	1657	2329	0.955345061	Pythium_irregularare	Pythium	GT48_maker-pir_contig_2-snap-gene-1.37-mRNA-1	Oomycete	pyir	pyir_21371	pyir_21371
CE1	227	maker-pir_contig_214-fgenesh-gene-0.2-mRNA-1	367	0.0000068	5	126	62	184	0.533039648	Pythium_irregularare	Pythium	CE1_maker-pir_contig_214-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_214021	pyir_214021
CE1	227	maker-pir_contig_214-fgenesh-gene-0.3-mRNA-1	383	0.000000074	6	127	101	214	0.533039648	Pythium_irregularare	Pythium	CE1_maker-pir_contig_214-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_214031	pyir_214031
PL1	202	maker-pir_contig_2150-snap-gene-0.1-mRNA-1	408	9.30E-39	20	201	126	325	0.896039604	Pythium_irregularare	Pythium	PL1_maker-pir_contig_2150-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2150011	pyir_2150011_secreted
CBM1	29	maker-pir_contig_2220-fgenesh-gene-0.0-mRNA-1	372	0.00033	3	29	147	172	0.896551724	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_2220-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2220001	pyir_2220001
CBM63	78	maker-pir_contig_2237-fgenesh-gene-0.0-mRNA-1	217	0.00000008	4	67	138	200	0.807692308	Pythium_irregularare	Pythium	CBM63_maker-pir_contig_2237-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2237001	pyir_2237001
CE1	227	maker-pir_contig_224-fgenesh-gene-0.14-mRNA-1	323	0.00000095	25	143	8	186	0.519823789	Pythium_irregularare	Pythium	CE1_maker-pir_contig_224-fgenesh-gene-0.14-mRNA-1	Oomycete	pyir	pyir_2240141	pyir_2240141
CBM1	29	maker-pir_contig_2246-snap-gene-0.1-mRNA-1	330	1.10E-11	2	29	255	282	0.931034483	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_2246-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2246011	pyir_2246011_secreted
CBM1	29	maker-pir_contig_2246-snap-gene-0.2-mRNA-1	330	0.000011	2	29	212	240	0.931034483	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_2246-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2246011	pyir_2246011_secreted
CBM1	29	maker-pir_contig_2246-snap-gene-0.1-mRNA-1	330	0.00096	11	29	51	69	0.620689655	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_2246-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2246011	pyir_2246011_secreted
GT4	160	maker-pir_contig_2266-snap-gene-0.2-mRNA-1	543	0.00089	81	136	387	442	0.34375	Pythium_irregularare	Pythium	GT4_maker-pir_contig_2266-snap-gene-0.2-mRNA-1	Oomycete	pyir	pyir_2266021	pyir_2266021
GH7	415	maker-pir_contig_234-snap-gene-0.13-mRNA-1	442	2.00E-170	1	414	27	442	0.995180723	Pythium_irregularare	Pythium	GH7_maker-pir_contig_234-snap-gene-0.13-mRNA-1	Oomycete	pyir	pyir_2340131	pyir_2340131_secreted
GH16	189	maker-pir_contig_2369-snap-gene-0.1-mRNA-1	329	0.00000073	3	103	63	265	0.529100529	Pythium_irregularare	Pythium	GH16_maker-pir_contig_2369-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2369011	pyir_2369011
GT50	262	maker-pir_contig_237-fgenesh-gene-0.2-mRNA-1	424	1.10E-85	1	261	127	391	0.992366412	Pythium_irregularare	Pythium	GT50_maker-pir_contig_237-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_237021	pyir_237021
GT20	475	maker-pir_contig_24-snap-gene-0.38-mRNA-1	1195	4.90E-130	15	474	324	819	0.96631579	Pythium_irregularare	Pythium	GT20_maker-pir_contig_24-snap-gene-0.38-mRNA-1	Oomycete	pyir	pyir_240381	pyir_240381
GH37	491	maker-pir_contig_24-snap-gene-0.41-mRNA-1	820	5.70E-160	2	489	242	812	0.991853361	Pythium_irregularare	Pythium	GH37_maker-pir_contig_24-snap-gene-0.41-mRNA-1	Oomycete	pyir	pyir_240411	pyir_240411
GT71	264	maker-pir_contig_243-fgenesh-gene-0.11-mRNA-1	614	4.50E-48	2	264	260	493	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_243-fgenesh-gene-0.11-mRNA-1	Oomycete	pyir	pyir_2430111	pyir_2430111
GT71	264	maker-pir_contig_243-fgenesh-gene-0.12-mRNA-1	575	1.50E-47	2	264	180	412	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_243-fgenesh-gene-0.12-mRNA-1	Oomycete	pyir	pyir_2430121	pyir_2430121
GT71	264	maker-pir_contig_243-snap-gene-0.20-mRNA-1	773	1.60E-48	2	264	408	636	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_243-snap-gene-0.20-mRNA-1	Oomycete	pyir	pyir_2430201	pyir_2430201
GT71	264	maker-pir_contig_243-fgenesh-gene-0.2-mRNA-1	751	2.20E-53	1	264	391	623	0.996212121	Pythium_irregularare	Pythium	GT71_maker-pir_contig_243-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_243021	pyir_243021
GH17	311	maker-pir_contig_2462-snap-gene-0.1-mRNA-1	213	2.40E-13	164	306	4	128	0.45659164	Pythium_irregularare	Pythium	GH17_maker-pir_contig_2462-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2462011	pyir_2462011
AA6	195	maker-pir_contig_2476-fgenesh-gene-0.0-mRNA-1	103	2.80E-25	119	195	26	100	0.38974359	Pythium_irregularare	Pythium	AA6_maker-pir_contig_2476-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2476001	pyir_2476001
GH5	275	maker-pir_contig_252-fgenesh-gene-0.4-mRNA-1	546	3.60E-41	5	245	48	368	0.872727273	Pythium_irregularare	Pythium	GH5_maker-pir_contig_252-fgenesh-gene-0.4-mRNA-1	Oomycete	pyir	pyir_252041	pyir_252041
PL3	197	maker-pir_contig_2553-fgenesh-gene-0.0-mRNA-1	169	3.70E-57	2	139	30	169	0.695431472	Pythium_irregularare	Pythium	PL3_maker-pir_contig_2553-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2553001	pyir_2553001_secreted
GT60	330	maker-pir_contig_256-fgenesh-gene-0.5-mRNA-1	453	3.00E-46	4	329	117	427	0.984848485	Pythium_irregularare	Pythium	GT60_maker-pir_contig_256-fgenesh-gene-0.5-mRNA-1	Oomycete	pyir	pyir_256051	pyir_256051
GH6	294	maker-pir_contig_2570-fgenesh-gene-0.0-mRNA-1	366	1.50E-55	17	291	40	295	0.931972789	Pythium_irregularare	Pythium	GH6_maker-pir_contig_2570-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2570001	pyir_2570001_secreted
GH5	275	maker-pir_contig_258-fgenesh-gene-0.2-mRNA-1	377	2.30E-27	33	236	16	321	0.738181818	Pythium_irregularare	Pythium	GH5_maker-pir_contig_258-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_258021	pyir_258021
GT1	382	maker-pir_contig_2591-snap-gene-0.1-mRNA-1	778	2.20E-11	98	371	285	611	0.714659686	Pythium_irregularare	Pythium	GT1_maker-pir_contig_2591-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2591011	pyir_2591011
GH16	189	maker-pir_contig_260-fgenesh-gene-0.3-mRNA-1	736	1.70E-09	122	189	443	566	0.354497355	Pythium_irregularare	Pythium	GH16_maker-pir_contig_260-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_260031	pyir_260031
GH16	189	maker-pir_contig_260-fgenesh-gene-0.3-mRNA-1	736	0.000000089	4	97	68	232	0.492063492	Pythium_irregularare	Pythium	GH16_maker-pir_contig_260-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_260031	pyir_260031
GH5	275	maker-pir_contig_26-fgenesh-gene-0.1-mRNA-1	764	7.80E-28	3	235	82	583	0.843636364	Pythium_irregularare	Pythium	GH5_maker-pir_contig_26-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_26011	pyir_26011
GT96	307	maker-pir_contig_262-fgenesh-gene-0.1-mRNA-1	928	9.10E-25	1	121	495	626	0.390879479	Pythium_irregularare	Pythium	GT96_maker-pir_contig_262-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_262011	pyir_262011
CE11	271	maker-pir_contig_263-fgenesh-gene-0.3-mRNA-1	339	4.40E-71	1	270	11	328	0.992619926	Pythium_irregularare	Pythium	CE11_maker-pir_contig_263-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_263031	pyir_263031
AA6	195	maker-pir_contig_264-fgenesh-gene-0.13-mRNA-1	313	1.60E-18	4	140	126	244	0.697435897	Pythium_irregularare	Pythium	AA6_maker-pir_contig_264-fgenesh-gene-0.13-mRNA-1	Oomycete	pyir	pyir_2640131	pyir_2640131
PL3	197	maker-pir_contig_268-snap-gene-0.20-mRNA-1	520	6.70E-43	2	196	296	492	0.984771574	Pythium_irregularare	Pythium	PL3_maker-pir_contig_268-snap-gene-0.20-mRNA-1	Oomycete	pyir	pyir_2680201	pyir_2680201_secreted
CE10	341	maker-pir_contig_2685-fgenesh-gene-0.0-mRNA-1	532	6.20E-32	74	193	99	242	0.348973607	Pythium_irregularare	Pythium	CE10_maker-pir_contig_2685-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2685001	pyir_2685001_secreted
GT45	115	maker-pir_contig_2690-snap-gene-0.1-mRNA-1	494	0.0000017	19	99	224	306	0.695652174	Pythium_irregularare	Pythium	GT45_maker-pir_contig_2690-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2690011	pyir_2690011
PL1	202	maker-pir_contig_269-fgenesh-gene-0.11-mRNA-1	293	1.20E-38	23	201	15	211	0.881188119	Pythium_irregularare	Pythium	PL1_maker-pir_contig_269-fgenesh-gene-0.11-mRNA-1	Oomycete	pyir	pyir_2690111	pyir_2690111
GH3	216	maker-pir_contig_2704-snap-gene-0.1-mRNA-1	285	4.10E-44	61	215	9	196	0.712962963	Pythium_irregularare	Pythium	GH3_maker-pir_contig_2704-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_2704011	pyir_2704011
GH5	275	maker-pir_contig_271-fgenesh-gene-0.1-mRNA-1	599	9.30E-30	5	239	199	550	0.850909091	Pythium_irregularare	Pythium	GH5_maker-pir_contig_271-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_271011	pyir_271011
GH5	275	maker-pir_contig_271-fgenesh-gene-0.2-mRNA-1	589	1.90E-30	3	244	186	540	0.876363636	Pythium_irregularare	Pythium	GH5_maker-pir_contig_271-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_271021	pyir_271021
PL1	202	maker-pir_contig_2727-fgenesh-gene-0.0-mRNA-1	277	1.70E-20	20	199	28	202	0.886138614	Pythium_irregularare	Pythium	PL1_maker-pir_contig_2727-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2727001	pyir_2727001
GT71	264	maker-pir_contig_275-snap-gene-0.11-mRNA-1	546	1.70E-43	2	249	156	441	0.935606061	Pythium_irregularare	Pythium	GT71_maker-pir_contig_275-snap-gene-0.11-mRNA-1	Oomycete	pyir	pyir_2750111	pyir_2750111
CE10	341	maker-pir_contig_2768-fgenesh-gene-0.0-mRNA-1	386	3.40E-27	94	318	129	361	0.656891496	Pythium_irregularare	Pythium	CE10_maker-pir_contig_2768-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_2768001	pyir_2768001
GH47	446	maker-pir_contig_278-fgenesh-gene-0.5-mRNA-1	572	6.70E-134	2	446	124	566	0.995515695	Pythium_irregularare	Pythium	GH47_maker-pir_contig_278-fgenesh-gene-0.5-mRNA-1	Oomycete	pyir	pyir_278051	pyir_278051_secreted
GT66	693	maker-pir_contig_28-fgenesh-gene-0.8-mRNA-1	897</													

GH3	216	maker-pir_contig_306-snap-gene-0.12-mRNA-1	765	4.80E-61	5	215	117	338	0.972222222	Pythium_irregularare	Pythium	GH3_maker-pir_contig_306-snap-gene-0.12-mRNA-1	Oomycete	pyir	pyir_3060121	pyir_3060121_secreted
GH89	663	fgenes_h_masked-pir_contig_308-abinit-gene-0.36-mRNA-1	768	7.70E-228	2	661	76	744	0.993966818	Pythium_irregularare	Pythium	GH89_fgenes_h_masked-pir_contig_308-abinit-gene-0.36-mRNA-1	Oomycete	pyir	pyir_3080361	pyir_3080361_secreted
GT96	307	maker-pir_contig_309-fgenes-h-gene-0.8-mRNA-1	514	5.20E-17	1	222	124	371	0.719869707	Pythium_irregularare	Pythium	GT96_maker-pir_contig_309-fgenes-h-gene-0.8-mRNA-1	Oomycete	pyir	pyir_309081	pyir_309081
GT96	307	maker-pir_contig_3111-fgenes-h-gene-0.0-mRNA-1	392	1.30E-12	1	112	1	121	0.361563518	Pythium_irregularare	Pythium	GT96_maker-pir_contig_3111-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3111001	pyir_3111001
CBM43	83	maker-pir_contig_312-fgenes-h-gene-0.11-mRNA-1	767	2.30E-13	1	75	625	695	0.891566265	Pythium_irregularare	Pythium	CBM43_maker-pir_contig_312-fgenes-h-gene-0.11-mRNA-1	Oomycete	pyir	pyir_3120111	pyir_3120111
GH5	275	maker-pir_contig_312-fgenes-h-gene-0.11-mRNA-1	767	3.80E-34	27	217	213	488	0.690909091	Pythium_irregularare	Pythium	GH5_maker-pir_contig_312-fgenes-h-gene-0.11-mRNA-1	Oomycete	pyir	pyir_3120111	pyir_3120111
CBM25	78	maker-pir_contig_313-fgenes-h-gene-0.0-mRNA-1	611	0.000035	39	77	17	54	0.487179487	Pythium_irregularare	Pythium	CBM25_maker-pir_contig_313-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_313001	pyir_313001
GH13	299	maker-pir_contig_313-fgenes-h-gene-0.0-mRNA-1	611	5.50E-16	28	258	205	474	0.769230769	Pythium_irregularare	Pythium	GH13_maker-pir_contig_313-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_313001	pyir_313001
GH13	299	maker-pir_contig_3133-snap-gene-0.1-mRNA-1	608	4.40E-21	25	258	168	478	0.779264214	Pythium_irregularare	Pythium	GH13_maker-pir_contig_3133-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_3133011	pyir_3133011
GH35	307	maker-pir_contig_315-snap-gene-0.7-mRNA-1	923	2.30E-91	1	306	138	439	0.993485342	Pythium_irregularare	Pythium	GH35_maker-pir_contig_315-snap-gene-0.7-mRNA-1	Oomycete	pyir	pyir_315071	pyir_315071
GT4	160	maker-pir_contig_32-fgenes-h-gene-1.5-mRNA-1	520	1.70E-27	4	152	311	471	0.925	Pythium_irregularare	Pythium	GT4_maker-pir_contig_32-fgenes-h-gene-1.5-mRNA-1	Oomycete	pyir	pyir_3151	pyir_3151
GT71	264	maker-pir_contig_322-fgenes-h-gene-0.3-mRNA-1	580	1.80E-45	2	264	180	410	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_322-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyir	pyir_322031	pyir_322031
GH72	312	maker-pir_contig_324-fgenes-h-gene-0.5-mRNA-1	563	1.70E-77	5	284	35	339	0.894230769	Pythium_irregularare	Pythium	GH72_maker-pir_contig_324-fgenes-h-gene-0.5-mRNA-1	Oomycete	pyir	pyir_324051	pyir_324051_secreted
GH1	429	maker-pir_contig_3284-fgenes-h-gene-0.0-mRNA-1	354	4.20E-92	2	300	40	328	0.694638695	Pythium_irregularare	Pythium	GH1_maker-pir_contig_3284-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3284001	pyir_3284001_secreted
GT2	168	fgenes_h_masked-pir_contig_33-abinit-gene-0.122-mRNA-1	829	0.00000008	71	165	298	397	0.55952381	Pythium_irregularare	Pythium	GT2_fgenes_h_masked-pir_contig_33-abinit-gene-0.122-mRNA-1	Oomycete	pyir	pyir_3301221	pyir_3301221
AA6	195	maker-pir_contig_3324-fgenes-h-gene-0.0-mRNA-1	199	2.20E-79	1	195	3	196	0.994871795	Pythium_irregularare	Pythium	AA6_maker-pir_contig_3324-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3324001	pyir_3324001
GT31	192	maker-pir_contig_3334-snap-gene-0.1-mRNA-1	533	1.60E-29	6	191	2	205	0.963541667	Pythium_irregularare	Pythium	GT31_maker-pir_contig_3334-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_3334011	pyir_3334011
GT60	330	maker-pir_contig_335-snap-gene-0.15-mRNA-1	534	6.50E-59	3	330	87	398	0.990909091	Pythium_irregularare	Pythium	GT60_maker-pir_contig_335-snap-gene-0.15-mRNA-1	Oomycete	pyir	pyir_3350151	pyir_3350151
CE1	227	maker-pir_contig_344-fgenes-h-gene-0.8-mRNA-1	470	1.10E-09	12	136	192	352	0.546255507	Pythium_irregularare	Pythium	CE1_maker-pir_contig_344-fgenes-h-gene-0.8-mRNA-1	Oomycete	pyir	pyir_344081	pyir_344081
GH17	311	maker-pir_contig_3442-fgenes-h-gene-0.0-mRNA-1	298	9.00E-21	12	288	50	287	0.887459807	Pythium_irregularare	Pythium	GH17_maker-pir_contig_3442-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3442001	pyir_3442001_secreted
GH31	427	maker-pir_contig_3449-fgenes-h-gene-0.0-mRNA-1	507	5.20E-66	2	215	227	507	0.49882904	Pythium_irregularare	Pythium	GH31_maker-pir_contig_3449-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3449001	pyir_3449001
GT71	264	maker-pir_contig_348-fgenes-h-gene-0.1-mRNA-1	588	4.50E-51	2	264	199	429	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_348-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyir	pyir_348011	pyir_348011
GT71	264	maker-pir_contig_348-fgenes-h-gene-0.7-mRNA-1	655	7.90E-50	2	264	205	435	0.992424242	Pythium_irregularare	Pythium	GT71_maker-pir_contig_348-fgenes-h-gene-0.7-mRNA-1	Oomycete	pyir	pyir_348071	pyir_348071
CBM63	78	maker-pir_contig_349-fgenes-h-gene-0.1-mRNA-1	836	0.000000057	2	74	150	223	0.923076923	Pythium_irregularare	Pythium	CBM63_maker-pir_contig_349-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyir	pyir_349011	pyir_349011
CBM63	78	maker-pir_contig_349-fgenes-h-gene-0.1-mRNA-1	836	0.0000032	2	74	524	595	0.923076923	Pythium_irregularare	Pythium	CBM63_maker-pir_contig_349-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyir	pyir_349011	pyir_349011
GH30	417	maker-pir_contig_3514-fgenes-h-gene-0.0-mRNA-1	500	2.50E-61	28	416	39	496	0.930455636	Pythium_irregularare	Pythium	GH30_maker-pir_contig_3514-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3514001	pyir_3514001_secreted
GH109	126	maker-pir_contig_362-fgenes-h-gene-0.1-mRNA-1	332	0.0000002	70	120	64	114	0.396825397	Pythium_irregularare	Pythium	GH109_maker-pir_contig_362-fgenes-h-gene-0.1-mRNA-1	Oomycete	pyir	pyir_362011	pyir_362011
GT96	307	maker-pir_contig_371-fgenes-h-gene-0.2-mRNA-1	640	1.00E-15	1	124	251	378	0.400651466	Pythium_irregularare	Pythium	GT96_maker-pir_contig_371-fgenes-h-gene-0.2-mRNA-1	Oomycete	pyir	pyir_371021	pyir_371021
GT76	407	maker-pir_contig_375-fgenes-h-gene-0.3-mRNA-1	441	1.30E-107	2	407	15	441	0.950585995	Pythium_irregularare	Pythium	GT76_maker-pir_contig_375-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyir	pyir_375031	pyir_375031
GH17	311	maker-pir_contig_376-snap-gene-0.14-mRNA-1	508	2.90E-13	17	309	44	265	0.938906752	Pythium_irregularare	Pythium	GH17_maker-pir_contig_376-snap-gene-0.14-mRNA-1	Oomycete	pyir	pyir_3760141	pyir_3760141
GH17	311	maker-pir_contig_376-fgenes-h-gene-0.5-mRNA-1	314	3.10E-24	2	310	28	308	0.990353698	Pythium_irregularare	Pythium	GH17_maker-pir_contig_376-fgenes-h-gene-0.5-mRNA-1	Oomycete	pyir	pyir_376051	pyir_376051_secreted
GH5	275	maker-pir_contig_3770-fgenes-h-gene-0.0-mRNA-1	132	8.50E-18	162	251	14	117	0.323636364	Pythium_irregularare	Pythium	GH5_maker-pir_contig_3770-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3770001	pyir_3770001
GH1	429	maker-pir_contig_3794-fgenes-h-gene-0.0-mRNA-1	276	9.80E-79	195	428	1	271	0.543123543	Pythium_irregularare	Pythium	GH1_maker-pir_contig_3794-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3794001	pyir_3794001
CE10	341	maker-pir_contig_381-snap-gene-0.20-mRNA-1	752	2.10E-09	70	209	499	657	0.407624633	Pythium_irregularare	Pythium	CE10_maker-pir_contig_381-snap-gene-0.20-mRNA-1	Oomycete	pyir	pyir_3810201	pyir_3810201
GT41	705	maker-pir_contig_381-fgenes-h-gene-0.8-mRNA-1	1389	3.00E-66	47	527	170	879	0.680851064	Pythium_irregularare	Pythium	GT41_maker-pir_contig_381-fgenes-h-gene-0.8-mRNA-1	Oomycete	pyir	pyir_381081	pyir_381081_secreted
GH5	275	maker-pir_contig_3819-fgenes-h-gene-0.0-mRNA-1	272	5.60E-28	6	156	74	271	0.545454546	Pythium_irregularare	Pythium	GH5_maker-pir_contig_3819-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3819001	pyir_3819001_secreted
GH15	361	maker-pir_contig_3938-fgenes-h-gene-0.0-mRNA-1	369	2.80E-53	51	351	3	369	0.831024931	Pythium_irregularare	Pythium	GH15_maker-pir_contig_3938-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3938001	pyir_3938001
CE10	341	maker-pir_contig_397-fgenes-h-gene-0.3-mRNA-1	670	7.90E-44	70	309	298	608	0.700879765	Pythium_irregularare	Pythium	CE10_maker-pir_contig_397-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyir	pyir_397031	pyir_397031
CE10	341	maker-pir_contig_3975-fgenes-h-gene-0.0-mRNA-1	337	1.30E-34	66	218	95	258	0.445747801	Pythium_irregularare	Pythium	CE10_maker-pir_contig_3975-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3975001	pyir_3975001_secreted
GH81	622	maker-pir_contig_3978-fgenes-h-gene-0.0-mRNA-1	349	3.20E-36	13	201	114	348	0.302250804	Pythium_irregularare	Pythium	GH81_maker-pir_contig_3978-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3978001	pyir_3978001_secreted
PL1	202	maker-pir_contig_3994-fgenes-h-gene-0.0-mRNA-1	372	7.40E-42	19	201	110	309	0.900990099	Pythium_irregularare	Pythium	PL1_maker-pir_contig_3994-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_3994001	pyir_3994001
GT33	425	maker-pir_contig_407-snap-gene-0.9-mRNA-1	507	1.10E-162	2	424	35	498	0.992941177	Pythium_irregularare	Pythium	GT33_maker-pir_contig_407-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_407091	pyir_407091
GH81	622	maker-pir_contig_4094-fgenes-h-gene-0.0-mRNA-1	365	1.00E-111	201	534	4	364	0.535369775	Pythium_irregularare	Pythium	GH81_maker-pir_contig_4094-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_4094001	pyir_4094001
GT48	739	maker-pir_contig_410-snap-gene-0.5-mRNA-1	2388	3.60E-249	2	703	919	1663	0.948579161	Pythium_irregularare	Pythium	GT48_maker-pir_contig_410-snap-gene-0.5-mRNA-1	Oomycete	pyir	pyir_410051	pyir_410051
GT57	481	maker-pir_contig_41-fgenes-h-gene-0.13-mRNA-1	451	2.20E-76	2	186	14	210	0.382536383	Pythium_irregularare	Pythium	GT57_maker-pir_contig_41-fgenes-h-gene-0.13-mRNA-1	Oomycete	pyir	pyir_410131	pyir_410131
GT57	481	maker-pir_contig_41-fgenes-h-gene-0.13-mRNA-1	451	1.40E-36	231	478	217	422	0.513513514	Pythium_irregularare	Pythium	GT57_maker-pir_contig_41-fgenes-h-gene-0.13-mRNA-1	Oomycete	pyir	pyir_410131	pyir_410131
AA4	522	maker-pir_contig_41-snap-gene-0.51-mRNA-1	512	2.60E-17	44	249	65	266	0.392720307	Pythium_irregularare	Pythium	AA4_maker-pir_contig_41-snap-gene-0.51-mRNA-1	Oomycete	pyir	pyir_410511	pyir_410511
CBM13	188	maker-pir_contig_417-fgenes-h-gene-0.3-mRNA-1	694	8.30E-09	39	141	535	631	0.542553192	Pythium_irregularare	Pythium	CBM13_maker-pir_contig_417-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyir	pyir_417031	pyir_417031
GH30	417	maker-pir_contig_417-fgenes-h-gene-0.3-mRNA-1	694	2.70E-111	12	362	130	506	0.839328537	Pythium_irregularare	Pythium	GH30_maker-pir_contig_417-fgenes-h-gene-0.3-mRNA-1	Oomycete	pyir	pyir_417031	pyir_417031
GH3	216	maker-pir_contig_417-snap-gene-0.9-mRNA-1	799	3.40E-59	4	215	75	308	0.976851852	Pythium_irregularare	Pythium	GH3_maker-pir_contig_417-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_417091	pyir_417091
GH47	446	maker-pir_contig_418-fgenes-h-gene-0.4-mRNA-1	1206	1.10E-133	1	446	256	681	0.997757848	Pythium_irregularare	Pythium	GH47_maker-pir_contig_418-fgenes-h-gene-0.4-mRNA-1	Oomycete	pyir	pyir_418041	pyir_418041_secreted
CE1	227	maker-pir_contig_420-fgenes-h-gene-0.6-mRNA-1	357	0.0000002	26	202	63	310	0.775330397	Pythium_irregularare	Pythium	CE1_maker-pir_contig_420-fgenes-h-gene-0.6-mRNA-1	Oomycete	pyir	pyir_420061	pyir_420061
GH72	312	maker-pir_contig_423-fgenes-h-gene-0.0-mRNA-1	446	1.20E-41	14	165	16	172	0.483974359	Pythium_irregularare	Pythium	GH72_maker-pir_contig_423-fgenes-h-gene-0.0-mRNA-1	Oomycete	pyir	pyir_423001	pyir_423001
GH72	312	maker-pir_contig_423-snap-gene-0.16-mRNA-1	516	4.90E-71	5	286	33	343	0.900641026	Pythium_irregularare	Pythium	GH72_maker-pir_contig_423-snap-gene-0.16-mRNA-1	Oomycete	pyir	pyir_4230161	pyir_4230161
GH72	312	snap_masked-pir_contig_423-abinit-gene-0.26-mRNA-1	509	2.90E-69	5	285	33	341	0.897435897	Pythium_irregularare	Pythium	GH72_snap_masked-pir_contig_423-abinit-gene-0.26-mRNA-1	Oomycete	pyir	pyir_4230261	pyir_4230261_secreted
GH47	446	maker-pir_contig_424-snap-gene-0.17-mRNA-1	606	2.50E-134	1	445	161	599	0.995515695	Pythium_irregularare	Pythium	GH47_maker-pir_contig_424-snap-gene-0.17-mRNA-1	Oomycete	pyir	pyir_4240171	pyir_4240171
GT10	347	maker-pir_contig_425-snap-gene-0.12-mRNA-1	1000	1.30E-33	162	313	809	970	0.435158501	Pythium_irregularare	Pythium	GT10_maker-pir_contig_425-snap-gene-0.12-mRNA-1	Oomycete	pyir	pyir_4250121	pyir_4250121_secreted
GT31	192	maker-pir_contig_425-snap-gene-0.12-mRNA-1	1000	8.30E-39	3	191	274	479	0.979166667	Pythium_irregularare	Pythium	GT31_maker-pir_contig_425-snap-gene-0.12-mRNA-1	Oomycete	pyir	pyir_4250121	pyir_4250121_secreted
CE1	227	maker-pir_contig_425-snap-gene-0.15-mRNA-1	420	8.30E-09	14	175	183	361	0.709251101	Pythium_irregularare	Pythium	CE1_maker-pir_contig_425-snap-gene-0.15-mRNA-1	Oomycete	pyir	pyir_4250151	pyir_4250151
GH28	325	maker-pir_contig_427-snap														

GH123	538	maker-pir_contig_472-snap-gene-0.13-mRNA-1	744	4.60E-62	96	514	127	667	0.776951673	Pythium_irregularare	Pythium	GH123_maker-pir_contig_472-snap-gene-0.13-mRNA-1	Oomycete	pyir	pyir_4720131	pyir_4720131
GT41	705	fgenesh_masked-pir_contig_480-abinit-gene-0.18-mRNA-1	361	3.10E-10	11	235	47	277	0.317730497	Pythium_irregularare	Pythium	GT41_fgenesh_masked-pir_contig_480-abinit-gene-0.18-mRNA-1	Oomycete	pyir	pyir_4800181	pyir_4800181
GH17	311	maker-pir_contig_4850-fgenesh-gene-0.0-mRNA-1	227	3.70E-11	27	271	17	223	0.784565916	Pythium_irregularare	Pythium	GH17_maker-pir_contig_4850-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_4850001	pyir_4850001
GH17	311	maker-pir_contig_485-snap-gene-0.8-mRNA-1	364	7.40E-23	10	304	44	300	0.945337621	Pythium_irregularare	Pythium	GH17_maker-pir_contig_485-snap-gene-0.8-mRNA-1	Oomycete	pyir	pyir_4850081	pyir_485081_secreted
GH31	427	maker-pir_contig_4869-fgenesh-gene-0.0-mRNA-1	254	3.00E-58	274	427	2	158	0.358313817	Pythium_irregularare	Pythium	GH31_maker-pir_contig_4869-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_4869001	pyir_4869001
GH1	429	maker-pir_contig_4894-fgenesh-gene-0.0-mRNA-1	237	3.00E-68	99	300	1	217	0.468531469	Pythium_irregularare	Pythium	GH1_maker-pir_contig_4894-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_4894001	pyir_4894001
GH16	189	maker-pir_contig_491-fgenesh-gene-0.4-mRNA-1	702	0.000000001	74	189	353	532	0.608465609	Pythium_irregularare	Pythium	GH16_maker-pir_contig_491-fgenesh-gene-0.4-mRNA-1	Oomycete	pyir	pyir_491041	pyir_491041
CE10	341	maker-pir_contig_50-fgenesh-gene-0.10-mRNA-1	481	1.60E-22	138	336	200	387	0.580645161	Pythium_irregularare	Pythium	CE10_maker-pir_contig_50-fgenesh-gene-0.10-mRNA-1	Oomycete	pyir	pyir_500101	pyir_500101
GH81	622	maker-pir_contig_50-fgenesh-gene-0.14-mRNA-1	813	8.50E-154	3	622	77	795	0.995176849	Pythium_irregularare	Pythium	GH81_maker-pir_contig_50-fgenesh-gene-0.14-mRNA-1	Oomycete	pyir	pyir_500141	pyir_500141
CE10	341	maker-pir_contig_50-fgenesh-gene-0.5-mRNA-1	423	4.50E-32	93	316	140	378	0.653958944	Pythium_irregularare	Pythium	CE10_maker-pir_contig_50-fgenesh-gene-0.5-mRNA-1	Oomycete	pyir	pyir_50051	pyir_50051
CBM32	124	maker-pir_contig_503-fgenesh-gene-0.2-mRNA-1	955	0.0000028	5	107	371	478	0.822580645	Pythium_irregularare	Pythium	CBM32_maker-pir_contig_503-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_503021	pyir_503021
CBM51	134	maker-pir_contig_503-fgenesh-gene-0.2-mRNA-1	955	4.00E-17	2	132	791	947	0.970149254	Pythium_irregularare	Pythium	CBM51_maker-pir_contig_503-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_503021	pyir_503021
CE1	227	maker-pir_contig_508-fgenesh-gene-0.1-mRNA-1	536	2.10E-18	7	210	196	514	0.894273128	Pythium_irregularare	Pythium	CE1_maker-pir_contig_508-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_508011	pyir_508011
CBM21	107	maker-pir_contig_5083-fgenesh-gene-0.0-mRNA-1	153	4.00E-15	3	107	23	121	0.971962617	Pythium_irregularare	Pythium	CBM21_maker-pir_contig_5083-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5083001	pyir_5083001_secreted
GH2	752	maker-pir_contig_51-snap-gene-0.22-mRNA-1	943	4.00E-88	35	553	33	791	0.688829787	Pythium_irregularare	Pythium	GH2_maker-pir_contig_51-snap-gene-0.22-mRNA-1	Oomycete	pyir	pyir_510221	pyir_510221_secreted
CE1	227	maker-pir_contig_519-snap-gene-0.11-mRNA-1	338	0.000000017	12	138	70	236	0.555066079	Pythium_irregularare	Pythium	CE1_maker-pir_contig_519-snap-gene-0.11-mRNA-1	Oomycete	pyir	pyir_5190111	pyir_5190111
CE10	341	maker-pir_contig_525-fgenesh-gene-0.0-mRNA-1	483	1.60E-42	76	315	205	469	0.700879765	Pythium_irregularare	Pythium	CE10_maker-pir_contig_525-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_525001	pyir_525001
GH5	275	maker-pir_contig_5306-fgenesh-gene-0.0-mRNA-1	206	2.80E-26	115	241	3	180	0.458181818	Pythium_irregularare	Pythium	GH5_maker-pir_contig_5306-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5306001	pyir_5306001
GH3	216	maker-pir_contig_5372-fgenesh-gene-0.0-mRNA-1	188	3.60E-57	6	188	4	188	0.842592593	Pythium_irregularare	Pythium	GH3_maker-pir_contig_5372-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5372001	pyir_5372001
GH31	427	maker-pir_contig_54-snap-gene-0.39-mRNA-1	1187	6.20E-132	2	427	361	942	0.995316159	Pythium_irregularare	Pythium	GH31_maker-pir_contig_54-snap-gene-0.39-mRNA-1	Oomycete	pyir	pyir_540391	pyir_540391
GT22	389	maker-pir_contig_54-snap-gene-0.40-mRNA-1	511	8.70E-80	3	367	11	412	0.935732648	Pythium_irregularare	Pythium	GT22_maker-pir_contig_54-snap-gene-0.40-mRNA-1	Oomycete	pyir	pyir_540401	pyir_540401
GT71	264	fgenesh_masked-pir_contig_542-abinit-gene-0.24-mRNA-1	615	4.60E-52	1	264	273	502	0.996212121	Pythium_irregularare	Pythium	GT71_fgenesh_masked-pir_contig_542-abinit-gene-0.24-mRNA-1	Oomycete	pyir	pyir_5420241	pyir_5420241
GT28	157	maker-pir_contig_5458-fgenesh-gene-0.0-mRNA-1	185	5.40E-13	21	130	24	137	0.694267516	Pythium_irregularare	Pythium	GT28_maker-pir_contig_5458-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5458001	pyir_5458001
CE1	227	maker-pir_contig_555-fgenesh-gene-0.4-mRNA-1	516	0.000000022	6	197	124	337	0.841409692	Pythium_irregularare	Pythium	CE1_maker-pir_contig_555-fgenesh-gene-0.4-mRNA-1	Oomycete	pyir	pyir_555041	pyir_555041
PL3	197	maker-pir_contig_5560-fgenesh-gene-0.0-mRNA-1	88	1.80E-15	136	196	1	62	0.304568528	Pythium_irregularare	Pythium	PL3_maker-pir_contig_5560-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5560001	pyir_5560001
AA9	220	maker-pir_contig_56-snap-gene-0.41-mRNA-1	319	0.000000019	69	199	54	184	0.590909091	Pythium_irregularare	Pythium	AA9_maker-pir_contig_56-snap-gene-0.41-mRNA-1	Oomycete	pyir	pyir_560411	pyir_560411_secreted
CE10	341	maker-pir_contig_564-fgenesh-gene-0.0-mRNA-1	351	0.0000073	83	338	77	349	0.747800587	Pythium_irregularare	Pythium	CE10_maker-pir_contig_564-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_564001	pyir_564001_secreted
CE10	341	maker-pir_contig_5674-snap-gene-0.0-mRNA-1	161	6.70E-15	183	326	3	144	0.419354839	Pythium_irregularare	Pythium	CE10_maker-pir_contig_5674-snap-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5674001	pyir_5674001
GT1	382	maker-pir_contig_5687-snap-gene-0.1-mRNA-1	136	4.20E-32	243	361	5	136	0.308900524	Pythium_irregularare	Pythium	GT1_maker-pir_contig_5687-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_5687011	pyir_5687011
GH1	429	maker-pir_contig_5744-fgenesh-gene-0.0-mRNA-1	155	4.80E-46	114	254	2	155	0.326340326	Pythium_irregularare	Pythium	GH1_maker-pir_contig_5744-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5744001	pyir_5744001
CBM25	78	maker-pir_contig_5798-snap-gene-0.1-mRNA-1	142	3.70E-15	10	77	43	114	0.858974359	Pythium_irregularare	Pythium	CBM25_maker-pir_contig_5798-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_5798011	pyir_5798011_secreted
GH16	189	maker-pir_contig_581-snap-gene-0.10-mRNA-1	719	9.20E-10	122	189	408	549	0.354497355	Pythium_irregularare	Pythium	GH16_maker-pir_contig_581-snap-gene-0.10-mRNA-1	Oomycete	pyir	pyir_5810101	pyir_5810101
GH16	189	maker-pir_contig_581-snap-gene-0.15-mRNA-1	636	1.40E-10	122	189	338	461	0.354497355	Pythium_irregularare	Pythium	GH16_maker-pir_contig_581-snap-gene-0.15-mRNA-1	Oomycete	pyir	pyir_5810151	pyir_5810151
GT32	90	maker-pir_contig_584-fgenesh-gene-0.0-mRNA-1	1711	4.40E-13	3	88	1443	1522	0.944444444	Pythium_irregularare	Pythium	GT32_maker-pir_contig_584-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_584001	pyir_584001
CBM1	29	maker-pir_contig_5843-snap-gene-0.1-mRNA-1	115	0.00000001	1	29	84	109	0.965517241	Pythium_irregularare	Pythium	CBM1_maker-pir_contig_5843-snap-gene-0.1-mRNA-1	Oomycete	pyir	pyir_5843011	pyir_5843011_secreted
GH7	415	maker-pir_contig_5863-fgenesh-gene-0.0-mRNA-1	164	8.10E-66	174	325	1	164	0.363855422	Pythium_irregularare	Pythium	GH7_maker-pir_contig_5863-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_5863001	pyir_5863001
CBM13	188	maker-pir_contig_596-snap-gene-0.9-mRNA-1	681	2.20E-09	6	113	194	310	0.569148936	Pythium_irregularare	Pythium	CBM13_maker-pir_contig_596-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_596091	pyir_596091
CBM13	188	maker-pir_contig_596-snap-gene-0.9-mRNA-1	681	0.000000025	9	135	372	505	0.670212766	Pythium_irregularare	Pythium	CBM13_maker-pir_contig_596-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_596091	pyir_596091
GH5	275	maker-pir_contig_6-fgenesh-gene-0.13-mRNA-1	723	1.70E-38	23	240	420	706	0.789090909	Pythium_irregularare	Pythium	GH5_maker-pir_contig_6-fgenesh-gene-0.13-mRNA-1	Oomycete	pyir	pyir_60131	pyir_60131
GH5	275	maker-pir_contig_602-snap-gene-0.10-mRNA-1	609	1.90E-36	4	236	160	500	0.843636364	Pythium_irregularare	Pythium	GH5_maker-pir_contig_602-snap-gene-0.10-mRNA-1	Oomycete	pyir	pyir_6020101	pyir_6020101
GH16	189	maker-pir_contig_605-snap-gene-0.8-mRNA-1	1012	0.000000006	23	157	91	232	0.708994709	Pythium_irregularare	Pythium	GH16_maker-pir_contig_605-snap-gene-0.8-mRNA-1	Oomycete	pyir	pyir_605081	pyir_605081
GH6	294	maker-pir_contig_605-snap-gene-0.9-mRNA-1	494	1.50E-53	17	289	60	315	0.925170068	Pythium_irregularare	Pythium	GH6_maker-pir_contig_605-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_605091	pyir_605091_secreted
CBM32	124	maker-pir_contig_606-snap-gene-0.9-mRNA-1	138	8.90E-12	7	109	13	118	0.822580645	Pythium_irregularare	Pythium	CBM32_maker-pir_contig_606-snap-gene-0.9-mRNA-1	Oomycete	pyir	pyir_606091	pyir_606091
GT19	354	snap-pir_contig_607-abinit-gene-0.33-mRNA-1	556	2.30E-44	1	151	41	209	0.423728814	Pythium_irregularare	Pythium	GT19_snap-pir_contig_607-abinit-gene-0.33-mRNA-1	Oomycete	pyir	pyir_6070331	pyir_6070331
GT19	354	snap-pir_contig_607-abinit-gene-0.33-mRNA-1	556	1.50E-35	165	334	317	504	0.47740113	Pythium_irregularare	Pythium	GT19_snap-pir_contig_607-abinit-gene-0.33-mRNA-1	Oomycete	pyir	pyir_6070331	pyir_6070331
CE10	341	maker-pir_contig_611-fgenesh-gene-0.1-mRNA-1	650	3.80E-20	62	316	392	638	0.744868035	Pythium_irregularare	Pythium	CE10_maker-pir_contig_611-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_611011	pyir_611011
CBM47	128	maker-pir_contig_612-snap-gene-0.4-mRNA-1	2247	0.0000004	6	60	1176	1232	0.421875	Pythium_irregularare	Pythium	CBM47_maker-pir_contig_612-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_612041	pyir_612041
GH16	189	maker-pir_contig_637-snap-gene-0.4-mRNA-1	878	6.20E-10	129	189	666	775	0.317460318	Pythium_irregularare	Pythium	GH16_maker-pir_contig_637-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_637041	pyir_637041
GH16	189	maker-pir_contig_638-fgenesh-gene-0.6-mRNA-1	764	1.60E-11	122	189	466	605	0.354497355	Pythium_irregularare	Pythium	GH16_maker-pir_contig_638-fgenesh-gene-0.6-mRNA-1	Oomycete	pyir	pyir_638061	pyir_638061
CE4	130	maker-pir_contig_648-fgenesh-gene-0.2-mRNA-1	305	3.50E-12	26	124	83	181	0.753846154	Pythium_irregularare	Pythium	CE4_maker-pir_contig_648-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_648021	pyir_648021
CE1	227	maker-pir_contig_649-fgenesh-gene-0.2-mRNA-1	346	6.40E-09	10	194	48	313	0.810572687	Pythium_irregularare	Pythium	CE1_maker-pir_contig_649-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_649021	pyir_649021
GH5	275	maker-pir_contig_661-fgenesh-gene-0.2-mRNA-1	521	2.00E-28	7	239	39	438	0.843636364	Pythium_irregularare	Pythium	GH5_maker-pir_contig_661-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_661021	pyir_661021
GH13	299	maker-pir_contig_664-snap-gene-0.6-mRNA-1	873	1.50E-19	31	259	437	754	0.762541806	Pythium_irregularare	Pythium	GH13_maker-pir_contig_664-snap-gene-0.6-mRNA-1	Oomycete	pyir	pyir_664061	pyir_664061_secreted
GH81	622	maker-pir_contig_666-fgenesh-gene-0.1-mRNA-1	749	8.10E-163	16	621	34	742	0.97266881	Pythium_irregularare	Pythium	GH81_maker-pir_contig_666-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_666011	pyir_666011
GT2	168	fgenesh_masked-pir_contig_669-abinit-gene-0.12-mRNA-1	715	8.50E-34	1	167	350	520	0.988095238	Pythium_irregularare	Pythium	GT2_fgenesh_masked-pir_contig_669-abinit-gene-0.12-mRNA-1	Oomycete	pyir	pyir_6690121	pyir_6690121
GT74	280	fgenesh_masked-pir_contig_669-abinit-gene-0.12-mRNA-1	715	1.50E-49	34	273	18	320	0.853571429	Pythium_irregularare	Pythium	GT74_fgenesh_masked-pir_contig_669-abinit-gene-0.12-mRNA-1	Oomycete	pyir	pyir_6690121	pyir_6690121
GH30	417	maker-pir_contig_679-fgenesh-gene-0.3-mRNA-1	555	9.20E-106	12	416	94	547	0.96882494	Pythium_irregularare	Pythium	GH30_maker-pir_contig_679-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_679031	pyir_679031_secreted
AA6	195	maker-pir_contig_681-fgenesh-gene-0.8-mRNA-1	200	2.70E-84	1	195	3	197	0.994871795	Pythium_irregularare	Pythium	AA6_maker-pir_contig_681-fgenesh-gene-0.8-mRNA-1	Oomycete	pyir	pyir_681081	pyir_681081
CE1	227	maker-pir_contig_686-fgenesh-gene-0.0-mRNA-1	505	0.00000055	12	194	57	306	0.801762115	Pythium_irregularare	Pythium	CE1_maker-pir_contig_686-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_686001	pyir_686001
GT48	739	maker-pir_contig_688-snap-gene-0.4-mRNA-1	225													

CBM47	128	snap_masked-pir_contig_74-abinit-gene-0.30-mRNA-1	5459	1.60E-09	3	102	4925	5027	0.7734375	Pythium_irregularare	Pythium	CBM47_snap_masked-pir_contig_74-abinit-gene-0.30-mRNA-1	Oomycete	pyir	pyir_740301	pyir_740301
GT8	257	maker-pir_contig_75-snap-gene-0.24-mRNA-1	536	2.50E-12	39	220	34	202	0.704280156	Pythium_irregularare	Pythium	GT8_maker-pir_contig_75-snap-gene-0.24-mRNA-1	Oomycete	pyir	pyir_750241	pyir_750241
GH81	622	maker-pir_contig_758-snap-gene-0.8-mRNA-1	714	8.00E-174	16	621	74	710	0.97266881	Pythium_irregularare	Pythium	GH81_maker-pir_contig_758-snap-gene-0.8-mRNA-1	Oomycete	pyir	pyir_758081	pyir_758081_secreted
GH17	311	maker-pir_contig_772-fgenesh-gene-0.1-mRNA-1	484	1.70E-23	11	306	70	327	0.948553055	Pythium_irregularare	Pythium	GH17_maker-pir_contig_772-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_772011	pyir_772011_secreted
GH17	311	maker-pir_contig_772-fgenesh-gene-0.2-mRNA-1	370	2.50E-21	11	306	50	314	0.948553055	Pythium_irregularare	Pythium	GH17_maker-pir_contig_772-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_772021	pyir_772021_secreted
CBM47	128	maker-pir_contig_774-snap-gene-0.6-mRNA-1	1077	6.10E-12	2	60	821	873	0.453125	Pythium_irregularare	Pythium	CBM47_maker-pir_contig_774-snap-gene-0.6-mRNA-1	Oomycete	pyir	pyir_774061	pyir_774061
CBM32	124	maker-pir_contig_78-snap-gene-0.31-mRNA-1	185	0.00087	24	67	32	92	0.346774194	Pythium_irregularare	Pythium	CBM32_maker-pir_contig_78-snap-gene-0.31-mRNA-1	Oomycete	pyir	pyir_780311	pyir_780311
AA8	815	maker-pir_contig_784-snap-gene-0.3-mRNA-1	777	2.40E-35	426	750	235	545	0.397546012	Pythium_irregularare	Pythium	AA8_maker-pir_contig_784-snap-gene-0.3-mRNA-1	Oomycete	pyir	pyir_784031	pyir_784031_secreted
GH38	269	maker-pir_contig_800-snap-gene-0.7-mRNA-1	1082	4.00E-71	1	269	79	381	0.996282528	Pythium_irregularare	Pythium	GH38_maker-pir_contig_800-snap-gene-0.7-mRNA-1	Oomycete	pyir	pyir_800071	pyir_800071_secreted
GH30	417	maker-pir_contig_81-fgenesh-gene-0.10-mRNA-1	550	2.40E-108	8	416	85	542	0.978417266	Pythium_irregularare	Pythium	GH30_maker-pir_contig_81-fgenesh-gene-0.10-mRNA-1	Oomycete	pyir	pyir_810101	pyir_810101_secreted
GH30	417	maker-pir_contig_81-snap-gene-0.34-mRNA-1	529	3.90E-91	22	416	63	475	0.944844125	Pythium_irregularare	Pythium	GH30_maker-pir_contig_81-snap-gene-0.34-mRNA-1	Oomycete	pyir	pyir_810341	pyir_810341_secreted
GT20	475	maker-pir_contig_815-snap-gene-0.13-mRNA-1	974	1.00E-190	24	474	173	635	0.947368421	Pythium_irregularare	Pythium	GT20_maker-pir_contig_815-snap-gene-0.13-mRNA-1	Oomycete	pyir	pyir_8150131	pyir_8150131
GT31	192	maker-pir_contig_823-fgenesh-gene-0.4-mRNA-1	414	1.10E-19	48	189	153	307	0.734375	Pythium_irregularare	Pythium	GT31_maker-pir_contig_823-fgenesh-gene-0.4-mRNA-1	Oomycete	pyir	pyir_823041	pyir_823041_secreted
GH78	504	maker-pir_contig_831-fgenesh-gene-0.0-mRNA-1	481	2.20E-14	108	291	36	255	0.363095238	Pythium_irregularare	Pythium	GH78_maker-pir_contig_831-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_831001	pyir_831001
GT58	364	maker-pir_contig_838-fgenesh-gene-0.1-mRNA-1	569	7.00E-136	3	364	55	407	0.991758242	Pythium_irregularare	Pythium	GT58_maker-pir_contig_838-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_838011	pyir_838011
GT2	168	maker-pir_contig_841-fgenesh-gene-0.1-mRNA-1	1043	8.20E-10	2	108	364	556	0.630952381	Pythium_irregularare	Pythium	GT2_maker-pir_contig_841-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_841011	pyir_841011
GT66	693	maker-pir_contig_859-snap-gene-0.7-mRNA-1	816	1.30E-142	10	573	96	743	0.812409812	Pythium_irregularare	Pythium	GT66_maker-pir_contig_859-snap-gene-0.7-mRNA-1	Oomycete	pyir	pyir_859071	pyir_859071
GT1	382	fgenesh_masked-pir_contig_86-abinit-gene-0.55-mRNA-1	588	1.80E-17	77	379	170	497	0.790575916	Pythium_irregularare	Pythium	GT1_fgenesh_masked-pir_contig_86-abinit-gene-0.55-mRNA-1	Oomycete	pyir	pyir_860551	pyir_860551
GH3	216	maker-pir_contig_88-fgenesh-gene-0.3-mRNA-1	778	2.70E-60	8	206	121	321	0.916666667	Pythium_irregularare	Pythium	GH3_maker-pir_contig_88-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_88031	pyir_88031_secreted
GT8	257	maker-pir_contig_90-snap-gene-0.17-mRNA-1	530	2.40E-28	37	246	70	278	0.813229572	Pythium_irregularare	Pythium	GT8_maker-pir_contig_90-snap-gene-0.17-mRNA-1	Oomycete	pyir	pyir_900171	pyir_900171
GH5	275	fgenesh_masked-pir_contig_904-abinit-gene-0.21-mRNA-1	570	1.60E-31	3	243	158	512	0.872727273	Pythium_irregularare	Pythium	GH5_fgenesh_masked-pir_contig_904-abinit-gene-0.21-mRNA-1	Oomycete	pyir	pyir_9040211	pyir_9040211
GH31	427	maker-pir_contig_913-fgenesh-gene-0.1-mRNA-1	934	5.90E-89	2	281	396	709	0.653395785	Pythium_irregularare	Pythium	GH31_maker-pir_contig_913-fgenesh-gene-0.1-mRNA-1	Oomycete	pyir	pyir_913011	pyir_913011_secreted
GT2	168	maker-pir_contig_918-fgenesh-gene-0.0-mRNA-1	994	9.10E-30	1	164	735	911	0.970238095	Pythium_irregularare	Pythium	GT2_maker-pir_contig_918-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_918001	pyir_918001
GH17	311	maker-pir_contig_92-fgenesh-gene-0.13-mRNA-1	421	1.80E-24	12	306	45	298	0.945337621	Pythium_irregularare	Pythium	GH17_maker-pir_contig_92-fgenesh-gene-0.13-mRNA-1	Oomycete	pyir	pyir_920131	pyir_920131_secreted
GT96	307	maker-pir_contig_931-fgenesh-gene-0.0-mRNA-1	543	7.40E-19	20	224	164	391	0.664495114	Pythium_irregularare	Pythium	GT96_maker-pir_contig_931-fgenesh-gene-0.0-mRNA-1	Oomycete	pyir	pyir_931001	pyir_931001
GT41	705	maker-pir_contig_938-snap-gene-0.4-mRNA-1	924	3.00E-48	125	433	355	919	0.436879433	Pythium_irregularare	Pythium	GT41_maker-pir_contig_938-snap-gene-0.4-mRNA-1	Oomycete	pyir	pyir_938041	pyir_938041
GT57	481	maker-pir_contig_948-fgenesh-gene-0.2-mRNA-1	580	1.50E-148	2	478	27	557	0.98960499	Pythium_irregularare	Pythium	GT57_maker-pir_contig_948-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_948021	pyir_948021
dockerin	21	maker-pir_contig_95-fgenesh-gene-0.12-mRNA-1	485	0.000034	1	13	27	39	0.571428571	Pythium_irregularare	Pythium	dockerin_maker-pir_contig_95-fgenesh-gene-0.12-mRNA-1	Oomycete	pyir	pyir_950121	pyir_950121
GT22	389	maker-pir_contig_95-snap-gene-0.35-mRNA-1	610	1.00E-50	2	360	27	448	0.920308483	Pythium_irregularare	Pythium	GT22_maker-pir_contig_95-snap-gene-0.35-mRNA-1	Oomycete	pyir	pyir_950351	pyir_950351
CBM63	78	maker-pir_contig_960-snap-gene-0.8-mRNA-1	301	0.00053	16	42	192	218	0.333333333	Pythium_irregularare	Pythium	CBM63_maker-pir_contig_960-snap-gene-0.8-mRNA-1	Oomycete	pyir	pyir_960081	pyir_960081
AA10	178	maker-pir_contig_973-fgenesh-gene-0.2-mRNA-1	247	0.00000018	76	177	64	164	0.56741573	Pythium_irregularare	Pythium	AA10_maker-pir_contig_973-fgenesh-gene-0.2-mRNA-1	Oomycete	pyir	pyir_973021	pyir_973021_secreted
AA9	220	maker-pir_contig_973-fgenesh-gene-0.3-mRNA-1	253	0.000000097	2	198	9	201	0.890909091	Pythium_irregularare	Pythium	AA9_maker-pir_contig_973-fgenesh-gene-0.3-mRNA-1	Oomycete	pyir	pyir_973031	pyir_973031_secreted
AA9	220	maker-pir_contig_973-fgenesh-gene-0.4-mRNA-1	274	0.0000017	2	198	9	201	0.890909091	Pythium_irregularare	Pythium	AA9_maker-pir_contig_973-fgenesh-gene-0.4-mRNA-1	Oomycete	pyir	pyir_973041	pyir_973041_secreted
AA3	618	maker-pir_contig_979-snap-gene-0.5-mRNA-1	684	3.50E-70	86	401	98	679	0.509708738	Pythium_irregularare	Pythium	AA3_maker-pir_contig_979-snap-gene-0.5-mRNA-1	Oomycete	pyir	pyir_979051	pyir_979051
GT1	382	maker-pir_contig_987-snap-gene-0.8-mRNA-1	667	2.10E-45	86	375	136	465	0.756544503	Pythium_irregularare	Pythium	GT1_maker-pir_contig_987-snap-gene-0.8-mRNA-1	Oomycete	pyir	pyir_987081	pyir_987081
GT1	382	fgenesh-piw_contig_1005-abinit-gene-0.16-mRNA-1	617	2.20E-20	97	379	235	531	0.738219895	Pythium_iwayamai	Pythium	GT1_fgenesh-piw_contig_1005-abinit-gene-0.16-mRNA-1	Oomycete	pyiw	pyiw_10050161	pyiw_10050161
CBM47	128	fgenesh-piw_contig_1-abinit-gene-0.136-mRNA-1	7372	0.00000006	2	59	1155	1210	0.4453125	Pythium_iwayamai	Pythium	CBM47_fgenesh-piw_contig_1-abinit-gene-0.136-mRNA-1	Oomycete	pyiw	pyiw_101361	pyiw_101361
CBM13	188	maker-piw_contig_102-snap-gene-0.13-mRNA-1	327	9.60E-17	11	142	97	231	0.696808511	Pythium_iwayamai	Pythium	CBM13_maker-piw_contig_102-snap-gene-0.13-mRNA-1	Oomycete	pyiw	pyiw_1020131	pyiw_1020131
CBM13	188	maker-piw_contig_102-snap-gene-0.13-mRNA-1	327	0.000000024	55	126	252	325	0.377659575	Pythium_iwayamai	Pythium	CBM13_maker-piw_contig_102-snap-gene-0.13-mRNA-1	Oomycete	pyiw	pyiw_1020131	pyiw_1020131
CE11	271	maker-piw_contig_1032-fgenesh-gene-0.4-mRNA-1	338	3.00E-72	1	270	10	327	0.992619926	Pythium_iwayamai	Pythium	CE11_maker-piw_contig_1032-fgenesh-gene-0.4-mRNA-1	Oomycete	pyiw	pyiw_1032041	pyiw_1032041
CE3	194	maker-piw_contig_104-fgenesh-gene-0.1-mRNA-1	267	0.00000008	66	189	111	235	0.634020619	Pythium_iwayamai	Pythium	CE3_maker-piw_contig_104-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiw	pyiw_104011	pyiw_104011
CBM1	29	maker-piw_contig_1041-fgenesh-gene-0.1-mRNA-1	137	0.000034	3	18	53	68	0.517241379	Pythium_iwayamai	Pythium	CBM1_maker-piw_contig_1041-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiw	pyiw_1041011	pyiw_1041011_secreted
GT48	739	maker-piw_contig_1042-fgenesh-gene-0.0-mRNA-1	2232	2.40E-270	2	713	853	1595	0.962110961	Pythium_iwayamai	Pythium	GT48_maker-piw_contig_1042-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiw	pyiw_1042001	pyiw_1042001
CE1	227	fgenesh_masked-piw_contig_1048-abinit-gene-0.20-mRNA-1	117	5.00E-17	108	200	1	107	0.405286344	Pythium_iwayamai	Pythium	CE1_fgenesh_masked-piw_contig_1048-abinit-gene-0.20-mRNA-1	Oomycete	pyiw	pyiw_10480201	pyiw_10480201
CE4	130	maker-piw_contig_1049-fgenesh-gene-0.0-mRNA-1	315	2.90E-19	5	126	80	247	0.930769231	Pythium_iwayamai	Pythium	CE4_maker-piw_contig_1049-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiw	pyiw_1049001	pyiw_1049001
GH30	417	maker-piw_contig_106-fgenesh-gene-0.0-mRNA-1	549	1.20E-112	10	416	93	547	0.973621103	Pythium_iwayamai	Pythium	GH30_maker-piw_contig_106-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiw	pyiw_106001	pyiw_106001_secreted
CBM50	40	maker-piw_contig_106-snap-gene-0.19-mRNA-1	600	0.0000036	1	39	109	155	0.95	Pythium_iwayamai	Pythium	CBM50_maker-piw_contig_106-snap-gene-0.19-mRNA-1	Oomycete	pyiw	pyiw_1060191	pyiw_1060191
CBM50	40	maker-piw_contig_106-snap-gene-0.19-mRNA-1	600	0.000061	1	40	38	85	0.975	Pythium_iwayamai	Pythium	CBM50_maker-piw_contig_106-snap-gene-0.19-mRNA-1	Oomycete	pyiw	pyiw_1060191	pyiw_1060191
CE10	341	fgenesh_masked-piw_contig_1077-abinit-gene-0.26-mRNA-1	170	0.0000083	145	277	30	147	0.387096774	Pythium_iwayamai	Pythium	CE10_fgenesh_masked-piw_contig_1077-abinit-gene-0.26-mRNA-1	Oomycete	pyiw	pyiw_10770261	pyiw_10770261
GT31	192	maker-piw_contig_1084-snap-gene-0.5-mRNA-1	793	3.30E-18	49	184	150	298	0.703125	Pythium_iwayamai	Pythium	GT31_maker-piw_contig_1084-snap-gene-0.5-mRNA-1	Oomycete	pyiw	pyiw_1084051	pyiw_1084051_secreted
GH5	275	maker-piw_contig_1091-snap-gene-0.7-mRNA-1	316	1.10E-33	10	228	28	309	0.792727273	Pythium_iwayamai	Pythium	GH5_maker-piw_contig_1091-snap-gene-0.7-mRNA-1	Oomycete	pyiw	pyiw_1091071	pyiw_1091071
GT41	705	maker-piw_contig_1105-snap-gene-0.7-mRNA-1	767	2.90E-95	102	518	142	752	0.590070922	Pythium_iwayamai	Pythium	GT41_maker-piw_contig_1105-snap-gene-0.7-mRNA-1	Oomycete	pyiw	pyiw_1105071	pyiw_1105071_secreted
GT20	475	maker-piw_contig_1119-fgenesh-gene-0.2-mRNA-1	869	6.30E-149	11	474	49	515	0.974736842	Pythium_iwayamai	Pythium	GT20_maker-piw_contig_1119-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiw	pyiw_1119021	pyiw_1119021
CE1	227	maker-piw_contig_1132-fgenesh-gene-0.2-mRNA-1	341	0.000001	56	131	103	172	0.330396476	Pythium_iwayamai	Pythium	CE1_maker-piw_contig_1132-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiw	pyiw_1132021	pyiw_1132021
GT1	382	fgenesh_masked-piw_contig_1137-abinit-gene-0.14-mRNA-1	975	1.70E-46	100	377	473	789	0.72513089	Pythium_iwayamai	Pythium	GT1_fgenesh_masked-piw_contig_1137-abinit-gene-0.14-mRNA-1	Oomycete	pyiw	pyiw_11370141	pyiw_11370141
GT22	389	maker-piw_contig_117-fgenesh-gene-0.6-mRNA-1	508	8.60E-113	3	389	16	430	0.992287918	Pythium_iwayamai	Pythium	GT22_maker-piw_contig_117-fgenesh-gene-0.6-mRNA-1	Oomycete	pyiw	pyiw_117061	pyiw_117061
GH38	269	maker-piw_contig_1181-snap-gene-0.4-mRNA-1	1037	4.50E-66	1	255	56	350	0.944237918	Pythium_iwayamai	Pythium	GH38_maker-piw_contig_1181-snap-gene-0.4-mRNA-1	Oomycete	pyiw	pyiw_1181041	pyiw_1181041_secreted
GT48	739	maker-piw_contig_1187-fgenesh-gene-0.2-mRNA-1	2264	3.30E-273	2	718	864	1608	0.968876861	Pythium_iwayamai	Pythium	GT48_maker-piw_contig_1187-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiw	pyiw_1187021	pyiw_1187021
CE14	124	maker-piw_contig_119-fgenesh-gene-0.7-mRNA-1	314	7.30E-14	1	123	63	180	0.983870968	Pythium_iwayamai	Pythium	CE14_maker-piw_contig_119-fgenesh-gene-0.7-mRNA-1	Oomycete	pyiw	pyiw_119071	pyiw_119071
GH3	216	maker-piw_contig_1195-fgenesh-gene-0.0-mRNA-1	414	4												

CBM43	83	maker-piw_contig_13-fgenesh-gene-0.2-mRNA-1	722	1.00E-13	1	74	588	657	0.879518072	Pythium_ityamayai	Pythium	CBM43_maker-piw_contig_13-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_13021	piyw_13021
GH5	275	maker-piw_contig_13-fgenesh-gene-0.2-mRNA-1	722	1.20E-33	27	217	176	451	0.690909091	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_13-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_13021	piyw_13021
GT8	257	maker-piw_contig_131-fgenesh-gene-0.0-mRNA-1	540	1.10E-27	37	246	80	288	0.813229572	Pythium_ityamayai	Pythium	GT8_maker-piw_contig_131-fgenesh-gene-0.0-mRNA-1	Oomycete	piyw	piyw_131001	piyw_131001
GH16	189	maker-piw_contig_133-fgenesh-gene-0.1-mRNA-1	2614	7.80E-24	3	189	74	413	0.984126984	Pythium_ityamayai	Pythium	GH16_maker-piw_contig_133-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_133011	piyw_133011
GT48	739	maker-piw_contig_133-fgenesh-gene-0.1-mRNA-1	2614	2.50E-262	3	709	1662	2334	0.955345061	Pythium_ityamayai	Pythium	GT48_maker-piw_contig_133-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_133011	piyw_133011
GH31	427	maker-piw_contig_1340-fgenesh-gene-0.1-mRNA-1	968	2.20E-129	34	427	402	834	0.920374707	Pythium_ityamayai	Pythium	GH31_maker-piw_contig_1340-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_1340011	piyw_1340011_secreted
GH5	275	maker-piw_contig_1345-snap-gene-0.6-mRNA-1	535	1.60E-40	5	246	40	361	0.876363636	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_1345-snap-gene-0.6-mRNA-1	Oomycete	piyw	piyw_1345061	piyw_1345061
GH1	429	maker-piw_contig_1358-fgenesh-gene-0.2-mRNA-1	283	2.40E-87	2	242	26	280	0.559440559	Pythium_ityamayai	Pythium	GH1_maker-piw_contig_1358-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1358021	piyw_1358021_secreted
AA2	255	maker-piw_contig_1375-snap-gene-0.3-mRNA-1	699	5.70E-26	27	223	503	695	0.768627451	Pythium_ityamayai	Pythium	AA2_maker-piw_contig_1375-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1375031	piyw_1375031_secreted
AA2	255	maker-piw_contig_1375-snap-gene-0.3-mRNA-1	699	1.50E-22	18	124	79	187	0.415686275	Pythium_ityamayai	Pythium	AA2_maker-piw_contig_1375-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1375031	piyw_1375031_secreted
CBM63	78	maker-piw_contig_1378-fgenesh-gene-0.0-mRNA-1	429	0.00000044	2	74	149	222	0.923076923	Pythium_ityamayai	Pythium	CBM63_maker-piw_contig_1378-fgenesh-gene-0.0-mRNA-1	Oomycete	piyw	piyw_1378001	piyw_1378001
CE4	130	maker-piw_contig_141-fgenesh-gene-0.4-mRNA-1	307	2.20E-12	26	125	85	184	0.761538462	Pythium_ityamayai	Pythium	CE4_maker-piw_contig_141-fgenesh-gene-0.4-mRNA-1	Oomycete	piyw	piyw_141041	piyw_141041
GH109	126	maker-piw_contig_1415-snap-gene-0.11-mRNA-1	382	6.40E-10	1	123	32	160	0.968253968	Pythium_ityamayai	Pythium	GH109_maker-piw_contig_1415-snap-gene-0.11-mRNA-1	Oomycete	piyw	piyw_14150111	piyw_14150111
GH5	275	maker-piw_contig_1421-snap-gene-0.3-mRNA-1	496	2.90E-28	3	216	124	464	0.774545455	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_1421-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1421031	piyw_1421031
GT66	693	maker-piw_contig_1437-snap-gene-0.6-mRNA-1	745	2.50E-150	10	593	29	689	0.841269841	Pythium_ityamayai	Pythium	GT66_maker-piw_contig_1437-snap-gene-0.6-mRNA-1	Oomycete	piyw	piyw_1437061	piyw_1437061
GT2	168	maker-piw_contig_1442-snap-gene-0.3-mRNA-1	726	1.00E-31	1	167	364	531	0.988095238	Pythium_ityamayai	Pythium	GT2_maker-piw_contig_1442-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1442031	piyw_1442031
GT74	280	maker-piw_contig_1442-snap-gene-0.3-mRNA-1	726	1.30E-66	2	273	16	336	0.967857143	Pythium_ityamayai	Pythium	GT74_maker-piw_contig_1442-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1442031	piyw_1442031
GH31	427	maker-piw_contig_1444-fgenesh-gene-0.0-mRNA-1	1185	1.60E-133	2	427	369	931	0.995316159	Pythium_ityamayai	Pythium	GH31_maker-piw_contig_1444-fgenesh-gene-0.0-mRNA-1	Oomycete	piyw	piyw_1444001	piyw_1444001
CE10	341	maker-piw_contig_1444-fgenesh-gene-0.4-mRNA-1	742	1.00E-47	93	334	488	736	0.706744868	Pythium_ityamayai	Pythium	CE10_maker-piw_contig_1444-fgenesh-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1444041	piyw_1444041
AA7	458	maker-piw_contig_1446-fgenesh-gene-0.2-mRNA-1	573	4.00E-10	5	185	87	275	0.3930131	Pythium_ityamayai	Pythium	AA7_maker-piw_contig_1446-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1446021	piyw_1446021
GH47	446	maker-piw_contig_1479-snap-gene-0.4-mRNA-1	731	3.30E-131	1	444	41	511	0.993273543	Pythium_ityamayai	Pythium	GH47_maker-piw_contig_1479-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1479041	piyw_1479041_secreted
GH72	312	maker-piw_contig_1495-fgenesh-gene-0.0-mRNA-1	499	1.90E-80	3	284	26	330	0.900641026	Pythium_ityamayai	Pythium	GH72_maker-piw_contig_1495-fgenesh-gene-0.0-mRNA-1	Oomycete	piyw	piyw_1495001	piyw_1495001_secreted
GH72	312	maker-piw_contig_1495-fgenesh-gene-0.1-mRNA-1	166	9.20E-39	4	141	25	166	0.439102564	Pythium_ityamayai	Pythium	GH72_maker-piw_contig_1495-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_1495011	piyw_1495011_secreted
GH72	312	maker-piw_contig_1495-fgenesh-gene-0.2-mRNA-1	515	1.20E-77	4	284	23	326	0.897435897	Pythium_ityamayai	Pythium	GH72_maker-piw_contig_1495-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1495021	piyw_1495021_secreted
CBM32	124	maker-piw_contig_150-fgenesh-gene-0.4-mRNA-1	174	0.0000075	11	67	19	82	0.451612903	Pythium_ityamayai	Pythium	CBM32_maker-piw_contig_150-fgenesh-gene-0.4-mRNA-1	Oomycete	piyw	piyw_150041	piyw_150041
CBM63	78	maker-piw_contig_1518-fgenesh-gene-0.1-mRNA-1	1038	0.000000005	2	70	919	986	0.871794872	Pythium_ityamayai	Pythium	CBM63_maker-piw_contig_1518-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_1518011	piyw_1518011
AA9	220	maker-piw_contig_1535-fgenesh-gene-0.0-mRNA-1	251	0.000000001	2	203	9	207	0.913636364	Pythium_ityamayai	Pythium	AA9_maker-piw_contig_1535-fgenesh-gene-0.0-mRNA-1	Oomycete	piyw	piyw_1535001	piyw_1535001_secreted
GH3	216	fgenesh_masked-piw_contig_154-abinit-gene-0.42-mRNA-1	788	4.10E-59	6	204	81	289	0.916666667	Pythium_ityamayai	Pythium	GH3_fgenesh_masked-piw_contig_154-abinit-gene-0.42-mRNA-1	Oomycete	piyw	piyw_1540421	piyw_1540421
GH72	312	fgenesh-piw_contig_154-abinit-gene-0.64-mRNA-1	589	1.10E-72	5	309	30	382	0.974358974	Pythium_ityamayai	Pythium	GH72_fgenesh-piw_contig_154-abinit-gene-0.64-mRNA-1	Oomycete	piyw	piyw_1540641	piyw_1540641
GH1	429	maker-piw_contig_155-snap-gene-0.13-mRNA-1	423	4.90E-85	54	298	95	367	0.568764569	Pythium_ityamayai	Pythium	GH1_maker-piw_contig_155-snap-gene-0.13-mRNA-1	Oomycete	piyw	piyw_1550131	piyw_1550131_secreted
GH1	429	maker-piw_contig_155-fgenesh-gene-0.8-mRNA-1	445	3.80E-89	2	267	25	304	0.617715618	Pythium_ityamayai	Pythium	GH1_maker-piw_contig_155-fgenesh-gene-0.8-mRNA-1	Oomycete	piyw	piyw_155081	piyw_155081
GT32	90	maker-piw_contig_1558-snap-gene-0.2-mRNA-1	347	0.000000051	21	85	142	203	0.711111111	Pythium_ityamayai	Pythium	GT32_maker-piw_contig_1558-snap-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1558021	piyw_1558021
CBM9	182	maker-piw_contig_1559-snap-gene-0.4-mRNA-1	149	1.90E-17	1	97	33	133	0.527472528	Pythium_ityamayai	Pythium	CBM9_maker-piw_contig_1559-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1559041	piyw_1559041
GH89	663	maker-piw_contig_156-fgenesh-gene-0.4-mRNA-1	771	3.90E-228	2	662	79	748	0.995475113	Pythium_ityamayai	Pythium	GH89_maker-piw_contig_156-fgenesh-gene-0.4-mRNA-1	Oomycete	piyw	piyw_156041	piyw_156041
CBM13	188	maker-piw_contig_1563-snap-gene-0.4-mRNA-1	720	2.60E-11	14	135	169	278	0.643617021	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_1563-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1563041	piyw_1563041_secreted
CBM13	188	maker-piw_contig_1563-snap-gene-0.4-mRNA-1	720	0.000000003	16	115	302	391	0.526595745	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_1563-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1563041	piyw_1563041_secreted
CBM13	188	maker-piw_contig_1563-snap-gene-0.4-mRNA-1	720	0.00000001	13	129	39	151	0.617021277	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_1563-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1563041	piyw_1563041_secreted
GT22	389	maker-piw_contig_157-snap-gene-0.13-mRNA-1	517	4.60E-72	22	373	1	428	0.902313625	Pythium_ityamayai	Pythium	GT22_maker-piw_contig_157-snap-gene-0.13-mRNA-1	Oomycete	piyw	piyw_1570131	piyw_1570131
CE1	227	maker-piw_contig_1590-fgenesh-gene-0.2-mRNA-1	308	1.20E-12	25	143	48	197	0.519823789	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_1590-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1590021	piyw_1590021_secreted
CE1	227	maker-piw_contig_1590-fgenesh-gene-0.3-mRNA-1	309	5.90E-13	22	143	45	177	0.533039648	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_1590-fgenesh-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1590031	piyw_1590031
CE10	341	maker-piw_contig_1601-fgenesh-gene-0.3-mRNA-1	416	3.80E-36	73	334	116	393	0.765395894	Pythium_ityamayai	Pythium	CE10_maker-piw_contig_1601-fgenesh-gene-0.3-mRNA-1	Oomycete	piyw	piyw_1601031	piyw_1601031
AA8	115	maker-piw_contig_162-snap-gene-0.11-mRNA-1	586	1.60E-21	506	785	243	512	0.342331288	Pythium_ityamayai	Pythium	AA8_maker-piw_contig_162-snap-gene-0.11-mRNA-1	Oomycete	piyw	piyw_1620111	piyw_1620111_secreted
CE1	227	maker-piw_contig_1637-fgenesh-gene-0.1-mRNA-1	251	3.50E-11	3	208	31	233	0.9030837	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_1637-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_1637011	piyw_1637011
GH30	417	maker-piw_contig_1637-snap-gene-0.4-mRNA-1	434	1.70E-41	163	376	203	433	0.510791367	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_1637-snap-gene-0.4-mRNA-1	Oomycete	piyw	piyw_1637041	piyw_1637041_secreted
GT31	192	fgenesh_masked-piw_contig_1662-abinit-gene-0.11-mRNA-1	330	5.00E-13	60	191	109	262	0.682291667	Pythium_ityamayai	Pythium	GT31_fgenesh_masked-piw_contig_1662-abinit-gene-0.11-mRNA-1	Oomycete	piyw	piyw_16620111	piyw_16620111_secreted
GT90	250	maker-piw_contig_1671-snap-gene-0.2-mRNA-1	761	3.30E-30	3	243	253	591	0.96	Pythium_ityamayai	Pythium	GT90_maker-piw_contig_1671-snap-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1671021	piyw_1671021
CE1	227	maker-piw_contig_169-fgenesh-gene-0.3-mRNA-1	313	0.000000083	15	221	71	289	0.907488987	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_169-fgenesh-gene-0.3-mRNA-1	Oomycete	piyw	piyw_169031	piyw_169031
AA11	191	maker-piw_contig_1751-fgenesh-gene-0.2-mRNA-1	230	9.80E-09	38	155	63	191	0.612565445	Pythium_ityamayai	Pythium	AA11_maker-piw_contig_1751-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1751021	piyw_1751021_secreted
GT71	264	maker-piw_contig_176-fgenesh-gene-0.6-mRNA-1	510	6.70E-41	2	262	121	403	0.984848485	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_176-fgenesh-gene-0.6-mRNA-1	Oomycete	piyw	piyw_176061	piyw_176061
GT71	264	maker-piw_contig_1857-fgenesh-gene-0.1-mRNA-1	592	6.80E-46	2	262	131	408	0.984848485	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_1857-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_1857011	piyw_1857011
GT71	264	maker-piw_contig_1857-fgenesh-gene-0.2-mRNA-1	355	1.70E-36	17	257	3	253	0.909090909	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_1857-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1857021	piyw_1857021
GT20	475	fgenesh-piw_contig_1867-abinit-gene-0.11-mRNA-1	926	4.80E-141	10	473	44	562	0.974736842	Pythium_ityamayai	Pythium	GT20_fgenesh-piw_contig_1867-abinit-gene-0.11-mRNA-1	Oomycete	piyw	piyw_18670111	piyw_18670111
GH5	275	maker-piw_contig_189-fgenesh-gene-0.5-mRNA-1	620	2.00E-35	6	236	158	515	0.836363636	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_189-fgenesh-gene-0.5-mRNA-1	Oomycete	piyw	piyw_189051	piyw_189051
GH109	126	maker-piw_contig_19-fgenesh-gene-0.12-mRNA-1	346	0.000000083	71	120	66	115	0.388888889	Pythium_ityamayai	Pythium	GH109_maker-piw_contig_19-fgenesh-gene-0.12-mRNA-1	Oomycete	piyw	piyw_190121	piyw_190121
CE10	341	maker-piw_contig_192-snap-gene-0.14-mRNA-1	739	9.30E-09	78	278	469	670	0.586510264	Pythium_ityamayai	Pythium	CE10_maker-piw_contig_192-snap-gene-0.14-mRNA-1	Oomycete	piyw	piyw_1920141	piyw_1920141
GT48	739	fgenesh_masked-piw_contig_1921-abinit-gene-0.2-mRNA-1	1891	4.90E-260	2	696	877	1611	0.939106901	Pythium_ityamayai	Pythium	GT48_fgenesh_masked-piw_contig_1921-abinit-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1921021	piyw_1921021
GH123	538	maker-piw_contig_1948-fgenesh-gene-0.2-mRNA-1	872	4.50E-59	123	514	294	790	0.726765799	Pythium_ityamayai	Pythium	GH123_maker-piw_contig_1948-fgenesh-gene-0.2-mRNA-1	Oomycete	piyw	piyw_1948021	piyw_1948021
CBM47	128	maker-piw_contig_195-fgenesh-gene-0.1-mRNA-1	5518	0.000000091	3	101	4953	5054	0.765625	Pythium_ityamayai	Pythium	CBM47_maker-piw_contig_195-fgenesh-gene-0.1-mRNA-1	Oomycete	piyw	piyw_195011	piyw_195011_secreted
GT2	168	maker-piw_contig_1958-snap-gene-0.2-mRNA-1	1054	5.40E-12	2	108	374	561	0							

PL4	567	maker-piw_contig_2059-fgenesh-gene-0.0-mRNA-1	272	1.80E-61	290	562	5	256	0.479717813	Pythium_ityamayai	Pythium	PL4_maker-piw_contig_2059-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2059001	pyiwi_2059001
CBM20	90	maker-piw_contig_2070-fgenesh-gene-0.0-mRNA-1	1159	0.0000077	2	84	105	190	0.911111111	Pythium_ityamayai	Pythium	CBM20_maker-piw_contig_2070-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2070001	pyiwi_2070001
GT20	475	maker-piw_contig_2070-fgenesh-gene-0.0-mRNA-1	1159	1.90E-130	13	474	294	791	0.970526316	Pythium_ityamayai	Pythium	GT20_maker-piw_contig_2070-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2070001	pyiwi_2070001
GH128	224	maker-piw_contig_2082-snap-gene-0.4-mRNA-1	179	0.0000065	25	145	26	141	0.535714286	Pythium_ityamayai	Pythium	GH128_maker-piw_contig_2082-snap-gene-0.4-mRNA-1	Oomycete	pyiwi	pyiwi_2082041	pyiwi_2082041
CBM47	128	maker-piw_contig_210-fgenesh-gene-0.3-mRNA-1	2269	0.0000001	8	61	1181	1236	0.4140625	Pythium_ityamayai	Pythium	CBM47_maker-piw_contig_210-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_210031	pyiwi_210031
GT7	250	maker-piw_contig_2108-fgenesh-gene-0.1-mRNA-1	866	1.50E-59	25	249	575	813	0.896	Pythium_ityamayai	Pythium	GT7_maker-piw_contig_2108-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2108011	pyiwi_2108011
CBM21	107	maker-piw_contig_2111-fgenesh-gene-0.0-mRNA-1	610	3.00E-15	4	107	24	121	0.962616822	Pythium_ityamayai	Pythium	CBM21_maker-piw_contig_2111-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2111001	pyiwi_2111001_secretred
GH15	361	maker-piw_contig_2111-fgenesh-gene-0.0-mRNA-1	610	2.10E-61	13	358	189	597	0.95567867	Pythium_ityamayai	Pythium	GH15_maker-piw_contig_2111-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2111001	pyiwi_2111001_secretred
GT96	307	maker-piw_contig_212-fgenesh-gene-0.3-mRNA-1	926	3.10E-24	1	121	491	622	0.390879479	Pythium_ityamayai	Pythium	GT96_maker-piw_contig_212-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_212031	pyiwi_212031
GT19	354	maker-piw_contig_213-fgenesh-gene-0.6-mRNA-1	1170	1.30E-78	1	335	754	1123	0.943502825	Pythium_ityamayai	Pythium	GT19_maker-piw_contig_213-fgenesh-gene-0.6-mRNA-1	Oomycete	pyiwi	pyiwi_213061	pyiwi_213061
CBM1	29	maker-piw_contig_2154-fgenesh-gene-0.1-mRNA-1	187	1.90E-13	1	29	138	166	0.965517241	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_2154-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2154011	pyiwi_2154011_secretred
CBM1	29	maker-piw_contig_2154-fgenesh-gene-0.1-mRNA-1	187	0.00000049	2	29	77	105	0.931034483	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_2154-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2154011	pyiwi_2154011_secretred
CBM1	29	maker-piw_contig_2154-snap-gene-0.3-mRNA-1	168	0.0000047	2	29	45	71	0.931034483	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_2154-snap-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_2154031	pyiwi_2154031_secretred
GT50	262	snap_masked-piw_contig_217-abinit-gene-0.15-mRNA-1	427	8.30E-83	1	261	126	389	0.992366412	Pythium_ityamayai	Pythium	GT50_snap_masked-piw_contig_217-abinit-gene-0.15-mRNA-1	Oomycete	pyiwi	pyiwi_2170151	pyiwi_2170151
CBM13	188	maker-piw_contig_218-snap-gene-0.9-mRNA-1	579	0.00000073	7	133	448	576	0.670212766	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_218-snap-gene-0.9-mRNA-1	Oomycete	pyiwi	pyiwi_218091	pyiwi_218091
GH3	216	maker-piw_contig_22-fgenesh-gene-0.13-mRNA-1	818	1.50E-69	3	215	82	334	0.981481482	Pythium_ityamayai	Pythium	GH3_maker-piw_contig_22-fgenesh-gene-0.13-mRNA-1	Oomycete	pyiwi	pyiwi_220131	pyiwi_220131_secretred
CBM13	188	maker-piw_contig_22-snap-gene-0.21-mRNA-1	747	0.00000013	28	145	577	687	0.622340426	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_22-snap-gene-0.21-mRNA-1	Oomycete	pyiwi	pyiwi_220211	pyiwi_220211
GH30	417	maker-piw_contig_22-snap-gene-0.21-mRNA-1	747	1.20E-79	10	254	117	371	0.585131895	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_22-snap-gene-0.21-mRNA-1	Oomycete	pyiwi	pyiwi_220211	pyiwi_220211
GH30	417	maker-piw_contig_22-snap-gene-0.21-mRNA-1	747	1.00E-43	200	373	377	565	0.414868106	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_22-snap-gene-0.21-mRNA-1	Oomycete	pyiwi	pyiwi_220211	pyiwi_220211
CE1	227	maker-piw_contig_2224-fgenesh-gene-0.0-mRNA-1	316	6.00E-10	15	140	48	164	0.550660793	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_2224-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2224001	pyiwi_2224001
CE1	227	snap_masked-piw_contig_2307-abinit-gene-0.4-mRNA-1	360	1.50E-09	24	175	89	292	0.665198238	Pythium_ityamayai	Pythium	CE1_snap_masked-piw_contig_2307-abinit-gene-0.4-mRNA-1	Oomycete	pyiwi	pyiwi_2307041	pyiwi_2307041
GT4	160	maker-piw_contig_2311-fgenesh-gene-0.1-mRNA-1	524	0.00000031	37	134	332	431	0.60625	Pythium_ityamayai	Pythium	GT4_maker-piw_contig_2311-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2311011	pyiwi_2311011
GT4	160	maker-piw_contig_2311-snap-gene-0.2-mRNA-1	444	0.0000013	21	135	256	370	0.7125	Pythium_ityamayai	Pythium	GT4_maker-piw_contig_2311-snap-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_2311021	pyiwi_2311021
GH81	622	maker-piw_contig_2396-fgenesh-gene-0.2-mRNA-1	220	3.40E-86	408	621	3	214	0.34244373	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_2396-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_2396021	pyiwi_2396021
GT96	307	maker-piw_contig_243-fgenesh-gene-0.8-mRNA-1	430	1.50E-12	1	125	44	172	0.403908795	Pythium_ityamayai	Pythium	GT96_maker-piw_contig_243-fgenesh-gene-0.8-mRNA-1	Oomycete	pyiwi	pyiwi_243081	pyiwi_243081_secretred
GT71	264	maker-piw_contig_245-snap-gene-0.13-mRNA-1	635	4.10E-48	2	264	191	421	0.992424242	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_245-snap-gene-0.13-mRNA-1	Oomycete	pyiwi	pyiwi_2450131	pyiwi_2450131
GT71	264	maker-piw_contig_245-fgenesh-gene-0.6-mRNA-1	589	1.60E-49	2	264	200	430	0.992424242	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_245-fgenesh-gene-0.6-mRNA-1	Oomycete	pyiwi	pyiwi_245061	pyiwi_245061
GH17	311	maker-piw_contig_246-fgenesh-gene-0.1-mRNA-1	735	1.70E-14	47	302	447	662	0.819935691	Pythium_ityamayai	Pythium	GH17_maker-piw_contig_246-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_246011	pyiwi_246011_secretred
CE10	341	maker-piw_contig_2468-snap-gene-0.1-mRNA-1	927	9.70E-22	72	316	652	912	0.715542522	Pythium_ityamayai	Pythium	CE10_maker-piw_contig_2468-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2468011	pyiwi_2468011
GH81	622	maker-piw_contig_248-fgenesh-gene-0.4-mRNA-1	692	5.00E-179	12	621	10	685	0.979099679	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_248-fgenesh-gene-0.4-mRNA-1	Oomycete	pyiwi	pyiwi_248041	pyiwi_248041
CE10	341	maker-piw_contig_249-fgenesh-gene-0.6-mRNA-1	329	0.000000001	82	208	90	233	0.369501466	Pythium_ityamayai	Pythium	CE10_maker-piw_contig_249-fgenesh-gene-0.6-mRNA-1	Oomycete	pyiwi	pyiwi_249061	pyiwi_249061
GH5	275	maker-piw_contig_2500-fgenesh-gene-0.0-mRNA-1	558	2.50E-42	28	241	249	538	0.774545455	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_2500-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2500001	pyiwi_2500001_secretred
CBM1	29	maker-piw_contig_250-snap-gene-0.18-mRNA-1	234	4.00E-11	1	29	197	225	0.965517241	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_250-snap-gene-0.18-mRNA-1	Oomycete	pyiwi	pyiwi_2500181	pyiwi_2500181_secretred
CBM1	29	maker-piw_contig_250-snap-gene-0.18-mRNA-1	234	0.00001	2	25	69	92	0.793103448	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_250-snap-gene-0.18-mRNA-1	Oomycete	pyiwi	pyiwi_2500181	pyiwi_2500181_secretred
GH81	622	maker-piw_contig_2522-fgenesh-gene-0.0-mRNA-1	471	5.00E-72	17	387	80	471	0.594855306	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_2522-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2522001	pyiwi_2522001_secretred
GT41	705	maker-piw_contig_2527-fgenesh-gene-0.0-mRNA-1	675	0.0000008	28	242	47	250	0.303546099	Pythium_ityamayai	Pythium	GT41_maker-piw_contig_2527-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2527001	pyiwi_2527001
GH5	275	maker-piw_contig_2558-snap-gene-0.2-mRNA-1	533	1.70E-18	4	235	132	484	0.84	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_2558-snap-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_2558021	pyiwi_2558021
GH3	216	maker-piw_contig_2602-fgenesh-gene-0.2-mRNA-1	631	5.40E-36	82	214	2	152	0.611111111	Pythium_ityamayai	Pythium	GH3_maker-piw_contig_2602-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_2602021	pyiwi_2602021
GT4	160	maker-piw_contig_2604-fgenesh-gene-0.1-mRNA-1	484	0.0000026	63	137	310	384	0.4625	Pythium_ityamayai	Pythium	GT4_maker-piw_contig_2604-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2604011	pyiwi_2604011
CBM32	124	maker-piw_contig_2606-fgenesh-gene-0.1-mRNA-1	138	1.20E-12	7	109	13	118	0.822580645	Pythium_ityamayai	Pythium	CBM32_maker-piw_contig_2606-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2606011	pyiwi_2606011
GT20	475	maker-piw_contig_266-snap-gene-0.13-mRNA-1	1061	6.30E-111	12	474	67	600	0.972631579	Pythium_ityamayai	Pythium	GT20_maker-piw_contig_266-snap-gene-0.13-mRNA-1	Oomycete	pyiwi	pyiwi_2660131	pyiwi_2660131
GH109	126	maker-piw_contig_2692-snap-gene-0.3-mRNA-1	324	1.00E-11	2	122	10	121	0.952380952	Pythium_ityamayai	Pythium	GH109_maker-piw_contig_2692-snap-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_2692031	pyiwi_2692031
GT1	382	maker-piw_contig_2695-fgenesh-gene-0.0-mRNA-1	1287	8.90E-45	96	376	109	421	0.732984293	Pythium_ityamayai	Pythium	GT1_maker-piw_contig_2695-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2695001	pyiwi_2695001
GT1	382	maker-piw_contig_2695-fgenesh-gene-0.0-mRNA-1	1287	0.00000018	89	310	843	1102	0.578534031	Pythium_ityamayai	Pythium	GT1_maker-piw_contig_2695-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2695001	pyiwi_2695001
AA6	195	maker-piw_contig_270-fgenesh-gene-0.5-mRNA-1	200	7.50E-84	1	195	3	197	0.994871795	Pythium_ityamayai	Pythium	AA6_maker-piw_contig_270-fgenesh-gene-0.5-mRNA-1	Oomycete	pyiwi	pyiwi_270051	pyiwi_270051
GH1	429	maker-piw_contig_2702-fgenesh-gene-0.1-mRNA-1	247	1.40E-69	229	428	15	242	0.463869464	Pythium_ityamayai	Pythium	GH1_maker-piw_contig_2702-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2702011	pyiwi_2702011
GT33	425	maker-piw_contig_2717-fgenesh-gene-0.1-mRNA-1	440	2.30E-160	7	424	1	431	0.981176471	Pythium_ityamayai	Pythium	GT33_maker-piw_contig_2717-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2717011	pyiwi_2717011
CBM2	101	maker-piw_contig_2725-snap-gene-0.3-mRNA-1	441	0.00083	17	69	341	394	0.514851485	Pythium_ityamayai	Pythium	CBM2_maker-piw_contig_2725-snap-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_2725031	pyiwi_2725031
CBM1	29	maker-piw_contig_2727-fgenesh-gene-0.0-mRNA-1	104	0.0000078	3	22	53	73	0.655172414	Pythium_ityamayai	Pythium	CBM1_maker-piw_contig_2727-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2727001	pyiwi_2727001_secretred
CBM1	29	fgenesh_masked-piw_contig_2727-abinit-gene-0.7-mRNA-1	242	0.0000074	3	19	48	64	0.551724138	Pythium_ityamayai	Pythium	CBM1_fgenesh_masked-piw_contig_2727-abinit-gene-0.7-mRNA-1	Oomycete	pyiwi	pyiwi_2727071	pyiwi_2727071_secretred
GH5	275	snap_masked-piw_contig_273-abinit-gene-0.14-mRNA-1	876	2.00E-23	8	247	470	806	0.869090909	Pythium_ityamayai	Pythium	GH5_snap_masked-piw_contig_273-abinit-gene-0.14-mRNA-1	Oomycete	pyiwi	pyiwi_2730141	pyiwi_2730141
GH30	417	maker-piw_contig_2762-fgenesh-gene-0.0-mRNA-1	539	1.20E-104	6	399	98	536	0.942446043	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_2762-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2762001	pyiwi_2762001_secretred
GT30	177	maker-piw_contig_2835-snap-gene-0.1-mRNA-1	346	3.00E-46	12	175	79	261	0.920903955	Pythium_ityamayai	Pythium	GT30_maker-piw_contig_2835-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_2835011	pyiwi_2835011
GH17	311	maker-piw_contig_2844-fgenesh-gene-0.0-mRNA-1	289	4.60E-19	2	309	25	277	0.987138264	Pythium_ityamayai	Pythium	GH17_maker-piw_contig_2844-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2844001	pyiwi_2844001_secretred
AA3	618	maker-piw_contig_2849-fgenesh-gene-0.0-mRNA-1	566	3.50E-69	86	402	23	562	0.511326861	Pythium_ityamayai	Pythium	AA3_maker-piw_contig_2849-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2849001	pyiwi_2849001
GT32	90	maker-piw_contig_285-snap-gene-0.10-mRNA-1	428	0.00089	33	78	24	69	0.5	Pythium_ityamayai	Pythium	GT32_maker-piw_contig_285-snap-gene-0.10-mRNA-1	Oomycete	pyiwi	pyiwi_2850101	pyiwi_2850101
GH85	315	maker-piw_contig_2857-fgenesh-gene-0.3-mRNA-1	756	6.00E-70	1	270	127	388	0.853968254	Pythium_ityamayai	Pythium	GH85_maker-piw_contig_2857-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_2857031	pyiwi_2857031
GH5	275	maker-piw_contig_2870-fgenesh-gene-0.0-mRNA-1	401	6.00E-36	24	240	90	382	0.785454546	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_2870-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_2870001	

PL3	197	maker-piw_contig_3200-fgenesh-gene-0.0-mRNA-1	357	1.20E-53	2	195	34	216	0.979695432	Pythium_ityayamai	Pythium	PL3_maker-piw_contig_3200-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32000001	pyiwi_32000001_secreted
GT96	307	maker-piw_contig_3227-fgenesh-gene-0.1-mRNA-1	429	9.50E-13	1	221	52	282	0.716612378	Pythium_ityayamai	Pythium	GT96_maker-piw_contig_3227-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_32270011	pyiwi_32270011_secreted
GT2	168	maker-piw_contig_3229-fgenesh-gene-0.0-mRNA-1	665	8.10E-13	2	108	29	216	0.630952381	Pythium_ityayamai	Pythium	GT2_maker-piw_contig_3229-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32290001	pyiwi_32290001_secreted
GH63	168	maker-piw_contig_3229-fgenesh-gene-0.0-mRNA-1	665	0.000000058	105	168	325	388	0.375	Pythium_ityayamai	Pythium	GT2_maker-piw_contig_3229-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32290001	pyiwi_32290001_secreted
GH63	570	maker-piw_contig_3245-fgenesh-gene-0.0-mRNA-1	878	4.50E-23	355	567	453	876	0.371929825	Pythium_ityayamai	Pythium	GH63_maker-piw_contig_3245-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32450001	pyiwi_32450001_secreted
GH37	491	maker-piw_contig_3254-fgenesh-gene-0.0-mRNA-1	371	5.90E-100	175	491	1	361	0.643584521	Pythium_ityayamai	Pythium	GH37_maker-piw_contig_3254-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32540001	pyiwi_32540001_secreted
GH6	294	maker-piw_contig_3266-fgenesh-gene-0.0-mRNA-1	523	2.80E-55	12	289	37	296	0.942176871	Pythium_ityayamai	Pythium	GH6_maker-piw_contig_3266-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_32660001	pyiwi_32660001_secreted
GT2	168	maker-piw_contig_327-fgenesh-gene-0.0-mRNA-1	913	4.90E-10	2	108	305	505	0.630952381	Pythium_ityayamai	Pythium	GT2_maker-piw_contig_327-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_3270001	pyiwi_3270001_secreted
GH81	622	maker-piw_contig_3279-snap-gene-0.1-mRNA-1	370	3.90E-47	17	272	56	350	0.409967846	Pythium_ityayamai	Pythium	GH81_maker-piw_contig_3279-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_32790011	pyiwi_32790011_secreted
GT96	307	maker-piw_contig_3305-snap-gene-0.1-mRNA-1	528	1.30E-18	1	221	150	379	0.716612378	Pythium_ityayamai	Pythium	GT96_maker-piw_contig_3305-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_33050011	pyiwi_33050011_secreted
CE13	355	maker-piw_contig_3310-fgenesh-gene-0.0-mRNA-1	313	8.20E-25	29	202	65	240	0.487323944	Pythium_ityayamai	Pythium	CE13_maker-piw_contig_3310-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_33100001	pyiwi_33100001_secreted
CE10	341	maker-piw_contig_3335-snap-gene-0.3-mRNA-1	415	4.70E-35	93	316	129	369	0.653958944	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_3335-snap-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_33350031	pyiwi_33350031_secreted
GH16	189	maker-piw_contig_3366-fgenesh-gene-0.0-mRNA-1	209	0.00000005	3	88	64	206	0.44973545	Pythium_ityayamai	Pythium	GH16_maker-piw_contig_3366-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_33660001	pyiwi_33660001_secreted
GT71	264	maker-piw_contig_340-snap-gene-0.11-mRNA-1	545	1.50E-51	2	264	198	426	0.992424242	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_340-snap-gene-0.11-mRNA-1	Oomycete	pyiwi	pyiwi_34000111	pyiwi_34000111_secreted
CE10	341	maker-piw_contig_3409-snap-gene-0.2-mRNA-1	474	1.40E-27	117	330	184	423	0.624633431	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_3409-snap-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_34090021	pyiwi_34090021_secreted
CBM32	124	maker-piw_contig_341-snap-gene-0.7-mRNA-1	1112	0.0000057	9	107	362	467	0.790322581	Pythium_ityayamai	Pythium	CBM32_maker-piw_contig_341-snap-gene-0.7-mRNA-1	Oomycete	pyiwi	pyiwi_341071	pyiwi_341071_secreted
CE10	341	maker-piw_contig_346-fgenesh-gene-0.3-mRNA-1	385	1.80E-31	97	318	125	353	0.648093842	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_346-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_346031	pyiwi_346031_secreted
GT71	264	maker-piw_contig_346-snap-gene-0.5-mRNA-1	646	4.50E-51	1	264	282	514	0.996212121	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_346-snap-gene-0.5-mRNA-1	Oomycete	pyiwi	pyiwi_346051	pyiwi_346051_secreted
GH3	216	maker-piw_contig_3480-fgenesh-gene-0.0-mRNA-1	534	4.80E-17	112	208	1	99	0.444444444	Pythium_ityayamai	Pythium	GH3_maker-piw_contig_3480-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_34800001	pyiwi_34800001_secreted
GH35	307	maker-piw_contig_348-snap-gene-0.8-mRNA-1	895	3.50E-84	1	306	130	441	0.993485342	Pythium_ityayamai	Pythium	GH35_maker-piw_contig_348-snap-gene-0.8-mRNA-1	Oomycete	pyiwi	pyiwi_348081	pyiwi_348081_secreted
GT28	157	maker-piw_contig_3495-fgenesh-gene-0.0-mRNA-1	69	0.000094	95	153	12	64	0.369426752	Pythium_ityayamai	Pythium	GT28_maker-piw_contig_3495-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_34950001	pyiwi_34950001_secreted
GT4	160	maker-piw_contig_3592-fgenesh-gene-0.0-mRNA-1	484	0.000000079	10	134	275	400	0.775	Pythium_ityayamai	Pythium	GT4_maker-piw_contig_3592-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_35920001	pyiwi_35920001_secreted
CE13	355	maker-piw_contig_3608-fgenesh-gene-0.0-mRNA-1	326	1.60E-23	27	209	82	283	0.512676056	Pythium_ityayamai	Pythium	CE13_maker-piw_contig_3608-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_36080001	pyiwi_36080001_secreted
GT22	389	maker-piw_contig_3631-snap-gene-0.1-mRNA-1	615	1.60E-49	2	380	24	488	0.971722365	Pythium_ityayamai	Pythium	GT22_maker-piw_contig_3631-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_36310011	pyiwi_36310011_secreted
AA6	195	maker-piw_contig_3749-fgenesh-gene-0.0-mRNA-1	75	9.00E-27	2	71	4	75	0.353846154	Pythium_ityayamai	Pythium	AA6_maker-piw_contig_3749-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_37490001	pyiwi_37490001_secreted
CBM63	78	maker-piw_contig_3784-fgenesh-gene-0.0-mRNA-1	209	0.00000013	4	67	131	193	0.807692308	Pythium_ityayamai	Pythium	CBM63_maker-piw_contig_3784-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_37840001	pyiwi_37840001_secreted
GH16	189	maker-piw_contig_3804-snap-gene-0.1-mRNA-1	664	3.80E-10	123	189	378	495	0.349206349	Pythium_ityayamai	Pythium	GH16_maker-piw_contig_3804-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_38040011	pyiwi_38040011_secreted
CBM1	29	maker-piw_contig_3837-snap-gene-0.1-mRNA-1	356	4.90E-10	1	29	319	347	0.965517241	Pythium_ityayamai	Pythium	CBM1_maker-piw_contig_3837-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_38370011	pyiwi_38370011_secreted
CBM1	29	maker-piw_contig_3837-snap-gene-0.1-mRNA-1	356	0.0000001	2	23	107	128	0.724137931	Pythium_ityayamai	Pythium	CBM1_maker-piw_contig_3837-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_38370011	pyiwi_38370011_secreted
GH5	275	maker-piw_contig_3843-fgenesh-gene-0.0-mRNA-1	678	9.80E-41	20	239	372	660	0.796363636	Pythium_ityayamai	Pythium	GH5_maker-piw_contig_3843-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_38430001	pyiwi_38430001_secreted
CE10	341	maker-piw_contig_3922-snap-gene-0.1-mRNA-1	431	2.20E-31	128	321	222	410	0.565982405	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_3922-snap-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_39220011	pyiwi_39220011_secreted
GT20	475	maker-piw_contig_393-snap-gene-0.20-mRNA-1	888	9.00E-197	11	474	151	627	0.974736842	Pythium_ityayamai	Pythium	GT20_maker-piw_contig_393-snap-gene-0.20-mRNA-1	Oomycete	pyiwi	pyiwi_39302001	pyiwi_39302001_secreted
GT45	115	maker-piw_contig_3938-fgenesh-gene-0.0-mRNA-1	426	0.00029	21	98	187	266	0.669565217	Pythium_ityayamai	Pythium	GT45_maker-piw_contig_3938-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_39380001	pyiwi_39380001_secreted
GH18	296	maker-piw_contig_394-snap-gene-0.4-mRNA-1	401	1.50E-38	48	278	84	374	0.777027027	Pythium_ityayamai	Pythium	GH18_maker-piw_contig_394-snap-gene-0.4-mRNA-1	Oomycete	pyiwi	pyiwi_394041	pyiwi_394041_secreted
GT58	364	maker-piw_contig_3957-fgenesh-gene-0.0-mRNA-1	475	2.20E-112	47	364	1	309	0.870879121	Pythium_ityayamai	Pythium	GT58_maker-piw_contig_3957-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_39570001	pyiwi_39570001_secreted
GT71	264	maker-piw_contig_403-fgenesh-gene-0.1-mRNA-1	520	1.60E-49	2	264	166	397	0.992424242	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_403-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_403011	pyiwi_403011_secreted
GT4	160	maker-piw_contig_4-snap-gene-0.51-mRNA-1	510	2.40E-16	8	128	278	413	0.75	Pythium_ityayamai	Pythium	GT4_maker-piw_contig_4-snap-gene-0.51-mRNA-1	Oomycete	pyiwi	pyiwi_40511	pyiwi_40511_secreted
GH6	294	maker-piw_contig_4053-fgenesh-gene-0.0-mRNA-1	295	3.50E-58	10	289	38	294	0.948979592	Pythium_ityayamai	Pythium	GH6_maker-piw_contig_4053-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_40530001	pyiwi_40530001_secreted
GH16	189	maker-piw_contig_4087-snap-gene-0.3-mRNA-1	303	7.00E-10	128	189	24	135	0.322751323	Pythium_ityayamai	Pythium	GH16_maker-piw_contig_4087-snap-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_40870031	pyiwi_40870031_secreted
GH3	216	fgenesh_masked-piw_contig_4-abinit-gene-0.96-mRNA-1	776	5.50E-59	9	205	124	322	0.907407407	Pythium_ityayamai	Pythium	GH3_fgenesh_masked-piw_contig_4-abinit-gene-0.96-mRNA-1	Oomycete	pyiwi	pyiwi_40961	pyiwi_40961_secreted
CBM14	54	maker-piw_contig_4134-fgenesh-gene-0.0-mRNA-1	317	0.00057	21	54	54	88	0.611111111	Pythium_ityayamai	Pythium	CBM14_maker-piw_contig_4134-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_41340001	pyiwi_41340001_secreted
GH5	275	maker-piw_contig_4146-fgenesh-gene-0.1-mRNA-1	192	0.000000052	7	108	51	191	0.367272727	Pythium_ityayamai	Pythium	GH5_maker-piw_contig_4146-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_41460011	pyiwi_41460011_secreted
PL1	202	maker-piw_contig_419-fgenesh-gene-0.6-mRNA-1	392	1.30E-33	22	201	123	310	0.886138614	Pythium_ityayamai	Pythium	PL1_maker-piw_contig_419-fgenesh-gene-0.6-mRNA-1	Oomycete	pyiwi	pyiwi_419061	pyiwi_419061_secreted
GH17	311	maker-piw_contig_4193-fgenesh-gene-0.0-mRNA-1	280	1.10E-18	2	300	29	278	0.958199357	Pythium_ityayamai	Pythium	GH17_maker-piw_contig_4193-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_41930001	pyiwi_41930001_secreted
AA6	195	maker-piw_contig_4245-fgenesh-gene-0.0-mRNA-1	139	2.60E-56	1	134	3	139	0.682051282	Pythium_ityayamai	Pythium	AA6_maker-piw_contig_4245-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_42450001	pyiwi_42450001_secreted
CE2	209	maker-piw_contig_427-snap-gene-0.12-mRNA-1	479	1.10E-52	1	209	226	443	0.995215311	Pythium_ityayamai	Pythium	CE2_maker-piw_contig_427-snap-gene-0.12-mRNA-1	Oomycete	pyiwi	pyiwi_4270121	pyiwi_4270121_secreted
AA7	458	fgenesh_masked-piw_contig_431-abinit-gene-0.22-mRNA-1	985	1.50E-12	4	195	181	386	0.417030568	Pythium_ityayamai	Pythium	AA7_fgenesh_masked-piw_contig_431-abinit-gene-0.22-mRNA-1	Oomycete	pyiwi	pyiwi_4310221	pyiwi_4310221_secreted
GT45	115	maker-piw_contig_4345-fgenesh-gene-0.0-mRNA-1	310	0.000019	30	100	213	285	0.608695652	Pythium_ityayamai	Pythium	GT45_maker-piw_contig_4345-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_43450001	pyiwi_43450001_secreted
CBM13	188	maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	1250	1.10E-09	12	129	98	209	0.622340426	Pythium_ityayamai	Pythium	CBM13_maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_4420011	pyiwi_4420011_secreted
CBM13	188	maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	1250	0.00000022	17	159	362	502	0.755319149	Pythium_ityayamai	Pythium	CBM13_maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_442011	pyiwi_442011_secreted
CBM13	188	maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	1250	0.00000082	13	125	226	324	0.959744681	Pythium_ityayamai	Pythium	CBM13_maker-piw_contig_442-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_442011	pyiwi_442011_secreted
GH72	312	maker-piw_contig_4444-fgenesh-gene-0.0-mRNA-1	303	2.80E-48	78	285	54	286	0.663461539	Pythium_ityayamai	Pythium	GH72_maker-piw_contig_4444-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwi	pyiwi_44440001	pyiwi_44440001_secreted
CBM32	124	maker-piw_contig_448-snap-gene-0.2-mRNA-1	5024	0.000000032	6	95	229	325	0.717741936	Pythium_ityayamai	Pythium	CBM32_maker-piw_contig_448-snap-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_448021	pyiwi_448021_secreted
CBM51	134	maker-piw_contig_448-snap-gene-0.2-mRNA-1	5024	1.70E-18	2	132	648	804	0.970149254	Pythium_ityayamai	Pythium	CBM51_maker-piw_contig_448-snap-gene-0.2-mRNA-1	Oomycete	pyiwi	pyiwi_448021	pyiwi_448021_secreted
GT24	248	maker-piw_contig_449-fgenesh-gene-0.3-mRNA-1	1628	4.40E-124	1	248	1338	1583	0.995967742	Pythium_ityayamai	Pythium	GT24_maker-piw_contig_449-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwi	pyiwi_449031	pyiwi_449031_secreted
GH47	446	maker-piw_contig_45-fgenesh-gene-0.9-mRNA-1	520	1.40E-109	53	446	130	518	0.881165919	Pythium_ityayamai	Pythium	GH47_maker-piw_contig_45-fgenesh-gene-0.9-mRNA-1	Oomycete	pyiwi	pyiwi_45091	pyiwi_45091_secreted
CE10	341	maker-piw_contig_4556-fgenesh-gene-0.1-mRNA-1	142	0.00000039	200	339	2	131	0.407624633	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_4556-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwi	pyiwi_45560011	pyiwi_45560011_secreted
CBM9	182	maker-piw_contig_														

PL3	197	maker-piw_contig_521-fgenes-h-gene-0.3-mRNA-1	252	2.50E-17	130	192	164	230	0.314720812	Pythium_ityayamai	Pythium	PL3_maker-piw_contig_521-fgenes-h-gene-0.3-mRNA-1	Oomycete	piyw	piyw_521031	piyw_521031
GT71	264	maker-piw_contig_522-snap-gene-0.10-mRNA-1	569	7.90E-49	2	264	212	445	0.99242424	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_522-snap-gene-0.10-mRNA-1	Oomycete	piyw	piyw_5220101	piyw_5220101
GT71	264	maker-piw_contig_522-snap-gene-0.11-mRNA-1	566	7.90E-46	2	264	207	439	0.99242424	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_522-snap-gene-0.11-mRNA-1	Oomycete	piyw	piyw_5220111	piyw_5220111
GT71	264	maker-piw_contig_522-snap-gene-0.6-mRNA-1	232	4.30E-20	173	264	5	90	0.34469697	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_522-snap-gene-0.6-mRNA-1	Oomycete	piyw	piyw_522061	piyw_522061
CE1	227	maker-piw_contig_5244-fgenes-h-gene-0.0-mRNA-1	358	7.00E-16	7	136	197	340	0.568281938	Pythium_ityayamai	Pythium	CE1_maker-piw_contig_5244-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5244001	piyw_5244001
CE10	341	maker-piw_contig_531-fgenes-h-gene-0.3-mRNA-1	566	0.00000042	78	212	279	424	0.392961877	Pythium_ityayamai	Pythium	CE10_maker-piw_contig_531-fgenes-h-gene-0.3-mRNA-1	Oomycete	piyw	piyw_531031	piyw_531031
GH37	491	maker-piw_contig_535-snap-gene-0.12-mRNA-1	785	9.30E-142	2	489	246	777	0.991853361	Pythium_ityayamai	Pythium	GH37_maker-piw_contig_535-snap-gene-0.12-mRNA-1	Oomycete	piyw	piyw_5350121	piyw_5350121
AA6	195	maker-piw_contig_5371-snap-gene-0.1-mRNA-1	80	1.50E-29	18	93	3	80	0.384615385	Pythium_ityayamai	Pythium	AA6_maker-piw_contig_5371-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5371011	piyw_5371011
GT32	90	maker-piw_contig_5393-snap-gene-0.1-mRNA-1	328	1.00E-18	4	88	75	150	0.933333333	Pythium_ityayamai	Pythium	GT32_maker-piw_contig_5393-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5393011	piyw_5393011
GH16	189	maker-piw_contig_540-snap-gene-0.7-mRNA-1	1047	0.000000041	10	157	56	221	0.777777778	Pythium_ityayamai	Pythium	GH16_maker-piw_contig_540-snap-gene-0.7-mRNA-1	Oomycete	piyw	piyw_540071	piyw_540071
GH72	312	maker-piw_contig_541-fgenes-h-gene-0.1-mRNA-1	432	7.60E-39	110	284	104	301	0.557692308	Pythium_ityayamai	Pythium	GH72_maker-piw_contig_541-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_541011	piyw_541011_secreted
GH32	293	maker-piw_contig_541-fgenes-h-gene-0.2-mRNA-1	633	3.10E-62	1	282	52	392	0.959044369	Pythium_ityayamai	Pythium	GH32_maker-piw_contig_541-fgenes-h-gene-0.2-mRNA-1	Oomycete	piyw	piyw_541021	piyw_541021_secreted
GH17	311	maker-piw_contig_5483-snap-gene-0.1-mRNA-1	307	2.60E-26	2	308	28	306	0.98392283	Pythium_ityayamai	Pythium	GH17_maker-piw_contig_5483-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5483011	piyw_5483011_secreted
GH1	429	maker-piw_contig_5488-fgenes-h-gene-0.0-mRNA-1	189	4.40E-55	269	428	1	186	0.370629371	Pythium_ityayamai	Pythium	GH1_maker-piw_contig_5488-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5488001	piyw_5488001
GH7	415	maker-piw_contig_5503-fgenes-h-gene-0.0-mRNA-1	350	1.80E-146	93	414	2	349	0.773493976	Pythium_ityayamai	Pythium	GH7_maker-piw_contig_5503-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5503001	piyw_5503001
GT57	481	maker-piw_contig_551-snap-gene-0.9-mRNA-1	556	9.90E-147	2	477	27	532	0.987525988	Pythium_ityayamai	Pythium	GT57_maker-piw_contig_551-snap-gene-0.9-mRNA-1	Oomycete	piyw	piyw_551091	piyw_551091
GH2	752	maker-piw_contig_561-snap-gene-0.6-mRNA-1	952	1.50E-85	53	550	41	791	0.660904255	Pythium_ityayamai	Pythium	GH2_maker-piw_contig_561-snap-gene-0.6-mRNA-1	Oomycete	piyw	piyw_561061	piyw_561061_secreted
GT60	330	maker-piw_contig_5615-fgenes-h-gene-0.0-mRNA-1	324	9.60E-53	2	255	78	323	0.766666667	Pythium_ityayamai	Pythium	GT60_maker-piw_contig_5615-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5615001	piyw_5615001_secreted
CBM63	78	maker-piw_contig_5617-snap-gene-0.1-mRNA-1	224	0.000000039	2	74	142	213	0.923076923	Pythium_ityayamai	Pythium	CBM63_maker-piw_contig_5617-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5617011	piyw_5617011_secreted
GT32	90	maker-piw_contig_5679-snap-gene-0.1-mRNA-1	366	4.60E-15	7	88	99	174	0.9	Pythium_ityayamai	Pythium	GT32_maker-piw_contig_5679-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5679011	piyw_5679011
GH131	255	maker-piw_contig_575-fgenes-h-gene-0.1-mRNA-1	221	5.10E-25	37	247	9	207	0.823529412	Pythium_ityayamai	Pythium	GH131_maker-piw_contig_575-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_575011	piyw_575011
GH28	325	maker-piw_contig_5766-snap-gene-0.1-mRNA-1	349	1.90E-63	4	306	44	347	0.929230769	Pythium_ityayamai	Pythium	GH28_maker-piw_contig_5766-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_5766011	piyw_5766011_secreted
PL4	567	maker-piw_contig_5779-fgenes-h-gene-0.0-mRNA-1	255	1.40E-37	3	260	21	254	0.453262787	Pythium_ityayamai	Pythium	PL4_maker-piw_contig_5779-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5779001	piyw_5779001_secreted
GT71	264	maker-piw_contig_580-fgenes-h-gene-0.2-mRNA-1	529	9.30E-46	2	255	137	433	0.958333333	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_580-fgenes-h-gene-0.2-mRNA-1	Oomycete	piyw	piyw_580021	piyw_580021
GH81	622	maker-piw_contig_59-fgenes-h-gene-0.0-mRNA-1	269	4.60E-86	396	621	2	227	0.361736334	Pythium_ityayamai	Pythium	GH81_maker-piw_contig_59-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_59001	piyw_59001
GH5	275	maker-piw_contig_594-fgenes-h-gene-0.0-mRNA-1	578	4.50E-31	3	239	180	529	0.858181818	Pythium_ityayamai	Pythium	GH5_maker-piw_contig_594-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_594001	piyw_594001
GT96	307	maker-piw_contig_5948-fgenes-h-gene-0.0-mRNA-1	369	8.00E-19	1	224	15	262	0.726384365	Pythium_ityayamai	Pythium	GT96_maker-piw_contig_5948-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5948001	piyw_5948001
CBM1	29	maker-piw_contig_5979-fgenes-h-gene-0.0-mRNA-1	113	0.0000021	1	29	81	108	0.965517241	Pythium_ityayamai	Pythium	CBM1_maker-piw_contig_5979-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_5979001	piyw_5979001_secreted
GT41	705	maker-piw_contig_602-fgenes-h-gene-0.1-mRNA-1	2201	8.10E-91	80	525	34	562	0.631205674	Pythium_ityayamai	Pythium	GT41_maker-piw_contig_602-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_602011	piyw_602011_secreted
GH72	312	maker-piw_contig_603-fgenes-h-gene-0.2-mRNA-1	497	1.90E-76	4	285	30	339	0.900641026	Pythium_ityayamai	Pythium	GH72_maker-piw_contig_603-fgenes-h-gene-0.2-mRNA-1	Oomycete	piyw	piyw_603021	piyw_603021_secreted
GT20	475	maker-piw_contig_605-fgenes-h-gene-0.1-mRNA-1	1281	4.40E-110	11	345	106	459	0.703157895	Pythium_ityayamai	Pythium	GT20_maker-piw_contig_605-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_605011	piyw_605011
GT20	475	maker-piw_contig_605-fgenes-h-gene-0.1-mRNA-1	1281	1.70E-63	326	473	498	711	0.309473684	Pythium_ityayamai	Pythium	GT20_maker-piw_contig_605-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_605011	piyw_605011
GH18	296	maker-piw_contig_605-fgenes-h-gene-0.5-mRNA-1	410	6.00E-23	82	279	208	401	0.665540541	Pythium_ityayamai	Pythium	GH18_maker-piw_contig_605-fgenes-h-gene-0.5-mRNA-1	Oomycete	piyw	piyw_605051	piyw_605051_secreted
CBM1	29	maker-piw_contig_6070-fgenes-h-gene-0.0-mRNA-1	89	0.0000084	12	29	46	63	0.586206897	Pythium_ityayamai	Pythium	CBM1_maker-piw_contig_6070-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_6070001	piyw_6070001_secreted
GH72	312	maker-piw_contig_6186-fgenes-h-gene-0.0-mRNA-1	187	9.30E-37	90	255	1	186	0.528846154	Pythium_ityayamai	Pythium	GH72_maker-piw_contig_6186-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_6186001	piyw_6186001
GH38	269	maker-piw_contig_624-fgenes-h-gene-0.1-mRNA-1	1080	3.40E-71	1	269	78	380	0.996282528	Pythium_ityayamai	Pythium	GH38_maker-piw_contig_624-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_624011	piyw_624011_secreted
GH16	189	maker-piw_contig_6283-fgenes-h-gene-0.0-mRNA-1	322	4.80E-09	61	175	116	291	0.603174603	Pythium_ityayamai	Pythium	GH16_maker-piw_contig_6283-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_6283001	piyw_6283001
GH78	504	maker-piw_contig_631-snap-gene-0.6-mRNA-1	653	6.80E-66	6	503	18	588	0.986111111	Pythium_ityayamai	Pythium	GH78_maker-piw_contig_631-snap-gene-0.6-mRNA-1	Oomycete	piyw	piyw_631061	piyw_631061
GH1	429	maker-piw_contig_6318-fgenes-h-gene-0.0-mRNA-1	286	1.00E-63	150	392	1	286	0.564102564	Pythium_ityayamai	Pythium	GH1_maker-piw_contig_6318-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_6318001	piyw_6318001
GT71	264	maker-piw_contig_6361-fgenes-h-gene-0.0-mRNA-1	261	4.50E-13	117	258	2	150	0.534090909	Pythium_ityayamai	Pythium	GT71_maker-piw_contig_6361-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_6361001	piyw_6361001
GT8	257	maker-piw_contig_639-fgenes-h-gene-0.2-mRNA-1	569	9.60E-12	39	220	69	237	0.704280156	Pythium_ityayamai	Pythium	GT8_maker-piw_contig_639-fgenes-h-gene-0.2-mRNA-1	Oomycete	piyw	piyw_639021	piyw_639021
GT41	705	maker-piw_contig_640-snap-gene-0.12-mRNA-1	987	1.90E-63	34	490	287	961	0.646808511	Pythium_ityayamai	Pythium	GT41_maker-piw_contig_640-snap-gene-0.12-mRNA-1	Oomycete	piyw	piyw_6400121	piyw_6400121
SLH	42	maker-piw_contig_6492-snap-gene-0.1-mRNA-1	74	0.00000095	7	30	31	54	0.547619048	Pythium_ityayamai	Pythium	SLH_maker-piw_contig_6492-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_6492011	piyw_6492011
GT2	168	maker-piw_contig_660-fgenes-h-gene-0.4-mRNA-1	930	1.50E-09	2	165	260	491	0.970238095	Pythium_ityayamai	Pythium	GT2_maker-piw_contig_660-fgenes-h-gene-0.4-mRNA-1	Oomycete	piyw	piyw_660041	piyw_660041
AA2	255	maker-piw_contig_664-snap-gene-0.7-mRNA-1	258	1.00E-45	58	253	37	238	0.764705882	Pythium_ityayamai	Pythium	AA2_maker-piw_contig_664-snap-gene-0.7-mRNA-1	Oomycete	piyw	piyw_664071	piyw_664071
AA8	815	maker-piw_contig_673-snap-gene-0.3-mRNA-1	636	2.90E-24	499	764	249	504	0.325153374	Pythium_ityayamai	Pythium	AA8_maker-piw_contig_673-snap-gene-0.3-mRNA-1	Oomycete	piyw	piyw_673031	piyw_673031_secreted
CBM50	40	maker-piw_contig_679-snap-gene-0.7-mRNA-1	1774	0.00000054	2	39	1617	1658	0.925	Pythium_ityayamai	Pythium	CBM50_maker-piw_contig_679-snap-gene-0.7-mRNA-1	Oomycete	piyw	piyw_679071	piyw_679071
GH5	275	maker-piw_contig_689-snap-gene-0.8-mRNA-1	653	4.80E-31	3	248	237	601	0.890909091	Pythium_ityayamai	Pythium	GH5_maker-piw_contig_689-snap-gene-0.8-mRNA-1	Oomycete	piyw	piyw_689081	piyw_689081
GT48	739	snap-piw_contig_69-abinit-gene-0.28-mRNA-1	2373	9.90E-249	2	720	856	1621	0.971583221	Pythium_ityayamai	Pythium	GT48_snap-piw_contig_69-abinit-gene-0.28-mRNA-1	Oomycete	piyw	piyw_690281	piyw_690281
GH17	311	maker-piw_contig_691-snap-gene-0.9-mRNA-1	369	6.40E-23	11	302	52	304	0.935691318	Pythium_ityayamai	Pythium	GH17_maker-piw_contig_691-snap-gene-0.9-mRNA-1	Oomycete	piyw	piyw_691091	piyw_691091_secreted
CE10	341	fgenes_masked-piw_contig_696-abinit-gene-0.24-mRNA-1	282	2.20E-39	80	335	25	279	0.747800587	Pythium_ityayamai	Pythium	CE10_fgenes_masked-piw_contig_696-abinit-gene-0.24-mRNA-1	Oomycete	piyw	piyw_6960241	piyw_6960241
GT4	160	maker-piw_contig_696-fgenes-h-gene-0.3-mRNA-1	446	4.60E-40	7	153	252	410	0.9125	Pythium_ityayamai	Pythium	GT4_maker-piw_contig_696-fgenes-h-gene-0.3-mRNA-1	Oomycete	piyw	piyw_696031	piyw_696031
GH47	446	maker-piw_contig_697-fgenes-h-gene-0.1-mRNA-1	603	7.10E-135	2	446	155	597	0.995515695	Pythium_ityayamai	Pythium	GH47_maker-piw_contig_697-fgenes-h-gene-0.1-mRNA-1	Oomycete	piyw	piyw_697011	piyw_697011
CE1	227	fgenes_masked-piw_contig_706-abinit-gene-0.23-mRNA-1	363	0.00000022	27	121	82	193	0.414096916	Pythium_ityayamai	Pythium	CE1_fgenes_masked-piw_contig_706-abinit-gene-0.23-mRNA-1	Oomycete	piyw	piyw_7060231	piyw_7060231
GT10	347	maker-piw_contig_71-fgenes-h-gene-0.3-mRNA-1	976	8.70E-36	159	313	787	951	0.443804035	Pythium_ityayamai	Pythium	GT10_maker-piw_contig_71-fgenes-h-gene-0.3-mRNA-1	Oomycete	piyw	piyw_71031	piyw_71031_secreted
GT31	192	maker-piw_contig_71-fgenes-h-gene-0.3-mRNA-1	976	4.20E-39	2	191	256	458	0.984375	Pythium_ityayamai	Pythium	GT31_maker-piw_contig_71-fgenes-h-gene-0.3-mRNA-1	Oomycete	piyw	piyw_71031	piyw_71031_secreted
GT41	705	maker-piw_contig_719-fgenes-h-gene-0.2-mRNA-1	1250	1.50E-59	120	541	175	806	0.597163121	Pythium_ityayamai	Pythium	GT41_maker-piw_contig_719-fgenes-h-gene-0.2-mRNA-1	Oomycete	piyw	piyw_719021	piyw_719021
GT4	160	maker-piw_contig_7204-snap-gene-0.1-mRNA-1	197	0.0000087	20	127	87	194	0.66875	Pythium_ityayamai	Pythium	GT4_maker-piw_contig_7204-snap-gene-0.1-mRNA-1	Oomycete	piyw	piyw_7204011	piyw_7204011
GT1	382	maker-piw_contig_7247-fgenes-h-gene-0.0-mRNA-1	213	3.70E-40	203	377	2	208	0.455497382	Pythium_ityayamai	Pythium	GT1_maker-piw_contig_7247-fgenes-h-gene-0.0-mRNA-1	Oomycete	piyw	piyw_7247001	piyw_7247001
GH16	189	fgenes_masked-piw_contig_7258-abinit-gene-0.2-mRNA														

CBM63	78	maker-piw_contig_8121-fgenesh-gene-0.0-mRNA-1	155	0.0000021	2	33	98	129	0.397435897	Pythium_ityamayai	Pythium	CBM63_maker-piw_contig_8121-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_8121001	pyiwy_8121001
AA3	618	maker-piw_contig_823-fgenesh-gene-0.8-mRNA-1	591	9.80E-110	79	402	27	572	0.522653722	Pythium_ityamayai	Pythium	AA3_maker-piw_contig_823-fgenesh-gene-0.8-mRNA-1	Oomycete	pyiwy	pyiwy_823081	pyiwy_823081
GT22	389	maker-piw_contig_825-fgenesh-gene-0.0-mRNA-1	602	1.70E-92	3	389	48	482	0.992287918	Pythium_ityamayai	Pythium	GT22_maker-piw_contig_825-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_825001	pyiwy_825001
CBM32	124	maker-piw_contig_825-snap-gene-0.7-mRNA-1	220	2.60E-11	17	109	62	168	0.741935484	Pythium_ityamayai	Pythium	CBM32_maker-piw_contig_825-snap-gene-0.7-mRNA-1	Oomycete	pyiwy	pyiwy_825071	pyiwy_825071_secreted
GT2	168	maker-piw_contig_828-fgenesh-gene-0.5-mRNA-1	314	1.10E-22	1	163	77	230	0.964285714	Pythium_ityamayai	Pythium	GT2_maker-piw_contig_828-fgenesh-gene-0.5-mRNA-1	Oomycete	pyiwy	pyiwy_828051	pyiwy_828051
GH30	417	maker-piw_contig_835-fgenesh-gene-0.3-mRNA-1	518	4.50E-23	14	141	232	346	0.304556355	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_835-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_835031	pyiwy_835031
GH72	312	maker-piw_contig_837-fgenesh-gene-0.3-mRNA-1	375	3.50E-13	135	259	123	254	0.397435897	Pythium_ityamayai	Pythium	GH72_maker-piw_contig_837-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_837031	pyiwy_837031_secreted
CBM47	128	maker-piw_contig_842-fgenesh-gene-0.1-mRNA-1	980	1.90E-11	2	60	703	755	0.453125	Pythium_ityamayai	Pythium	CBM47_maker-piw_contig_842-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwy	pyiwy_842011	pyiwy_842011
GH16	189	maker-piw_contig_8439-snap-gene-0.1-mRNA-1	143	1.80E-10	132	189	16	122	0.301587302	Pythium_ityamayai	Pythium	GH16_maker-piw_contig_8439-snap-gene-0.1-mRNA-1	Oomycete	pyiwy	pyiwy_8439011	pyiwy_8439011
GH13	299	maker-piw_contig_85-snap-gene-0.18-mRNA-1	823	1.70E-20	25	256	348	656	0.772575251	Pythium_ityamayai	Pythium	GH13_maker-piw_contig_85-snap-gene-0.18-mRNA-1	Oomycete	pyiwy	pyiwy_850181	pyiwy_850181_secreted
GT4	160	maker-piw_contig_859-fgenesh-gene-0.0-mRNA-1	516	1.50E-29	5	155	311	473	0.9375	Pythium_ityamayai	Pythium	GT4_maker-piw_contig_859-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_859001	pyiwy_859001
CBM38	129	maker-piw_contig_88-snap-gene-0.13-mRNA-1	4990	1.00E-20	4	128	4479	4655	0.96124031	Pythium_ityamayai	Pythium	CBM38_maker-piw_contig_88-snap-gene-0.13-mRNA-1	Oomycete	pyiwy	pyiwy_880131	pyiwy_880131
GT8	257	maker-piw_contig_88-snap-gene-0.21-mRNA-1	424	8.70E-10	89	205	229	355	0.451361868	Pythium_ityamayai	Pythium	GT8_maker-piw_contig_88-snap-gene-0.21-mRNA-1	Oomycete	pyiwy	pyiwy_880211	pyiwy_880211
GT71	264	maker-piw_contig_8848-fgenesh-gene-0.0-mRNA-1	104	8.80E-17	17	109	3	100	0.348484849	Pythium_ityamayai	Pythium	GT71_maker-piw_contig_8848-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_8848001	pyiwy_8848001
CE13	355	maker-piw_contig_885-snap-gene-0.3-mRNA-1	343	3.80E-12	41	219	96	283	0.501408451	Pythium_ityamayai	Pythium	CE13_maker-piw_contig_885-snap-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_885031	pyiwy_885031_secreted
AA4	522	maker-piw_contig_888-fgenesh-gene-0.0-mRNA-1	627	2.70E-20	14	249	34	257	0.450191571	Pythium_ityamayai	Pythium	AA4_maker-piw_contig_888-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_888001	pyiwy_888001
GH5	275	maker-piw_contig_89-fgenesh-gene-0.3-mRNA-1	532	8.30E-28	4	240	48	450	0.858181818	Pythium_ityamayai	Pythium	GH5_maker-piw_contig_89-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_89031	pyiwy_89031_secreted
GH81	622	maker-piw_contig_900-snap-gene-0.6-mRNA-1	749	5.30E-82	405	621	521	735	0.347266881	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_900-snap-gene-0.6-mRNA-1	Oomycete	pyiwy	pyiwy_900061	pyiwy_900061_secreted
GH81	622	maker-piw_contig_900-snap-gene-0.6-mRNA-1	749	9.90E-71	16	372	101	517	0.572347267	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_900-snap-gene-0.6-mRNA-1	Oomycete	pyiwy	pyiwy_900061	pyiwy_900061_secreted
GT60	330	fgenesh_masked-piw_contig_9-abinit-gene-0.58-mRNA-1	399	2.90E-48	4	330	61	374	0.987878788	Pythium_ityamayai	Pythium	GT60_fgenesh_masked-piw_contig_9-abinit-gene-0.58-mRNA-1	Oomycete	pyiwy	pyiwy_90581	pyiwy_90581
GH47	446	fgenesh_masked-piw_contig_906-abinit-gene-0.13-mRNA-1	1138	1.50E-124	1	446	199	613	0.997757848	Pythium_ityamayai	Pythium	GH47_fgenesh_masked-piw_contig_906-abinit-gene-0.13-mRNA-1	Oomycete	pyiwy	pyiwy_9060131	pyiwy_9060131
GT76	407	maker-piw_contig_91-fgenesh-gene-0.7-mRNA-1	439	2.60E-105	1	407	12	439	0.997542998	Pythium_ityamayai	Pythium	GT76_maker-piw_contig_91-fgenesh-gene-0.7-mRNA-1	Oomycete	pyiwy	pyiwy_91071	pyiwy_91071
GT20	475	maker-piw_contig_911-fgenesh-gene-0.3-mRNA-1	1243	8.10E-130	6	475	298	798	0.987368421	Pythium_ityamayai	Pythium	GT20_maker-piw_contig_911-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_911031	pyiwy_911031
GH72	312	maker-piw_contig_9125-fgenesh-gene-0.0-mRNA-1	118	3.90E-23	173	274	1	118	0.323717949	Pythium_ityamayai	Pythium	GH72_maker-piw_contig_9125-fgenesh-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_9125001	pyiwy_9125001
GT31	192	maker-piw_contig_923-fgenesh-gene-0.2-mRNA-1	260	0.000032	53	117	83	147	0.333333333	Pythium_ityamayai	Pythium	GT31_maker-piw_contig_923-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiwy	pyiwy_923021	pyiwy_923021
GT28	157	fgenesh_masked-piw_contig_924-abinit-gene-0.17-mRNA-1	145	2.90E-13	30	124	2	99	0.598726115	Pythium_ityamayai	Pythium	GT28_fgenesh_masked-piw_contig_924-abinit-gene-0.17-mRNA-1	Oomycete	pyiwy	pyiwy_9240171	pyiwy_9240171
GH81	622	maker-piw_contig_93-fgenesh-gene-0.8-mRNA-1	219	1.10E-80	411	621	3	212	0.337620579	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_93-fgenesh-gene-0.8-mRNA-1	Oomycete	pyiwy	pyiwy_93081	pyiwy_93081
GH81	622	maker-piw_contig_931-fgenesh-gene-0.1-mRNA-1	1200	4.80E-153	14	622	94	790	0.977491961	Pythium_ityamayai	Pythium	GH81_maker-piw_contig_931-fgenesh-gene-0.1-mRNA-1	Oomycete	pyiwy	pyiwy_931011	pyiwy_931011
GT2	168	maker-piw_contig_931-snap-gene-0.4-mRNA-1	882	4.10E-26	14	168	303	557	0.916666667	Pythium_ityamayai	Pythium	GT2_maker-piw_contig_931-snap-gene-0.4-mRNA-1	Oomycete	pyiwy	pyiwy_931041	pyiwy_931041
GT2_Cellulose_synt	722	maker-piw_contig_931-snap-gene-0.4-mRNA-1	882	1.10E-16	416	679	559	826	0.364265928	Pythium_ityamayai	Pythium	GT2_Cellulose_synt_maker-piw_contig_931-snap-gene-0.4-mRNA-1	Oomycete	pyiwy	pyiwy_931041	pyiwy_931041
GH17	311	maker-piw_contig_935-fgenesh-gene-0.2-mRNA-1	565	2.80E-21	13	305	51	307	0.938906752	Pythium_ityamayai	Pythium	GH17_maker-piw_contig_935-fgenesh-gene-0.2-mRNA-1	Oomycete	pyiwy	pyiwy_935021	pyiwy_935021_secreted
GH17	311	maker-piw_contig_935-fgenesh-gene-0.3-mRNA-1	545	1.50E-25	11	306	209	473	0.948553055	Pythium_ityamayai	Pythium	GH17_maker-piw_contig_935-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_935031	pyiwy_935031
GH30	417	maker-piw_contig_95-fgenesh-gene-0.9-mRNA-1	489	2.00E-84	26	416	37	481	0.935251799	Pythium_ityamayai	Pythium	GH30_maker-piw_contig_95-fgenesh-gene-0.9-mRNA-1	Oomycete	pyiwy	pyiwy_95091	pyiwy_95091_secreted
GT20	475	fgenesh_masked-piw_contig_952-abinit-gene-0.15-mRNA-1	1236	1.20E-147	7	474	76	567	0.983157895	Pythium_ityamayai	Pythium	GT20_fgenesh_masked-piw_contig_952-abinit-gene-0.15-mRNA-1	Oomycete	pyiwy	pyiwy_9520151	pyiwy_9520151
GT41	705	maker-piw_contig_959-snap-gene-0.6-mRNA-1	293	0.00000096	36	263	76	272	0.321985816	Pythium_ityamayai	Pythium	GT41_maker-piw_contig_959-snap-gene-0.6-mRNA-1	Oomycete	pyiwy	pyiwy_959061	pyiwy_959061
CE1	227	maker-piw_contig_964-fgenesh-gene-0.3-mRNA-1	310	0.0000017	14	126	36	141	0.493392071	Pythium_ityamayai	Pythium	CE1_maker-piw_contig_964-fgenesh-gene-0.3-mRNA-1	Oomycete	pyiwy	pyiwy_964031	pyiwy_964031
CBM13	188	maker-piw_contig_9756-snap-gene-0.0-mRNA-1	92	0.00000082	55	113	3	64	0.308510638	Pythium_ityamayai	Pythium	CBM13_maker-piw_contig_9756-snap-gene-0.0-mRNA-1	Oomycete	pyiwy	pyiwy_9756001	pyiwy_9756001
GT96	307	maker-pug3_contig_10-fgenesh-gene-0.10-mRNA-1	802	5.80E-21	1	224	1	248	0.726384365	Pythium_ultimum_var_sporangiiferum	Pythium	GT96_maker-pug3_contig_10-fgenesh-gene-0.10-mRNA-1	Oomycete	pyus	pyus_3100101	pyus_3100101
GH5	275	maker-pug3_contig_1001-snap-gene-0.5-mRNA-1	408	0.00000015	128	235	84	244	0.389090909	Pythium_ultimum_var_sporangiiferum	Pythium	GH5_maker-pug3_contig_1001-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_31001051	pyus_31001051
GT96	307	maker-pug3_contig_10-snap-gene-0.34-mRNA-1	444	3.10E-12	2	112	59	175	0.358306189	Pythium_ultimum_var_sporangiiferum	Pythium	GT96_maker-pug3_contig_10-snap-gene-0.34-mRNA-1	Oomycete	pyus	pyus_3100341	pyus_3100341_secreted
GH16	189	maker-pug3_contig_10-snap-gene-0.45-mRNA-1	422	0.0000018	3	114	62	276	0.587301587	Pythium_ultimum_var_sporangiiferum	Pythium	GH16_maker-pug3_contig_10-snap-gene-0.45-mRNA-1	Oomycete	pyus	pyus_3100451	pyus_3100451_secreted
GH6	294	maker-pug3_contig_1008-snap-gene-0.8-mRNA-1	572	5.20E-38	10	255	41	263	0.833333333	Pythium_ultimum_var_sporangiiferum	Pythium	GH6_maker-pug3_contig_1008-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_31008081	pyus_31008081_secreted
GH81	622	maker-pug3_contig_1060-fgenesh-gene-0.1-mRNA-1	738	2.80E-123	16	492	80	595	0.765273312	Pythium_ultimum_var_sporangiiferum	Pythium	GH81_maker-pug3_contig_1060-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31060011	pyus_31060011_secreted
CBM11	163	maker-pug3_contig_108-fgenesh-gene-0.21-mRNA-1	191	0.00076	96	156	86	146	0.36809816	Pythium_ultimum_var_sporangiiferum	Pythium	CBM11_maker-pug3_contig_108-fgenesh-gene-0.21-mRNA-1	Oomycete	pyus	pyus_31080211	pyus_31080211
GH16	189	maker-pug3_contig_1088-snap-gene-0.11-mRNA-1	581	1.50E-10	2	189	124	401	0.989417989	Pythium_ultimum_var_sporangiiferum	Pythium	GH16_maker-pug3_contig_1088-snap-gene-0.11-mRNA-1	Oomycete	pyus	pyus_310880111	pyus_310880111
GT48	739	maker-pug3_contig_1089-snap-gene-0.1-mRNA-1	2285	2.80E-249	2	714	858	1619	0.963464141	Pythium_ultimum_var_sporangiiferum	Pythium	GT48_maker-pug3_contig_1089-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31089011	pyus_31089011
GT22	389	maker-pug3_contig_1100-snap-gene-0.8-mRNA-1	506	8.60E-47	20	368	2	402	0.894601542	Pythium_ultimum_var_sporangiiferum	Pythium	GT22_maker-pug3_contig_1100-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_31100081	pyus_31100081
GT7	250	fgenesh_masked-pug3_contig_110-abinit-gene-0.53-mRNA-1	978	1.10E-28	22	126	44	158	0.416	Pythium_ultimum_var_sporangiiferum	Pythium	GT7_fgenesh_masked-pug3_contig_110-abinit-gene-0.53-mRNA-1	Oomycete	pyus	pyus_31100531	pyus_31100531
GT7	250	fgenesh_masked-pug3_contig_110-abinit-gene-0.53-mRNA-1	978	2.80E-09	166	250	172	263	0.336	Pythium_ultimum_var_sporangiiferum	Pythium	GT7_fgenesh_masked-pug3_contig_110-abinit-gene-0.53-mRNA-1	Oomycete	pyus	pyus_31100531	pyus_31100531
GT20	475	maker-pug3_contig_1101-snap-gene-0.12-mRNA-1	705	3.50E-198	11	474	65	541	0.974736842	Pythium_ultimum_var_sporangiiferum	Pythium	GT20_maker-pug3_contig_1101-snap-gene-0.12-mRNA-1	Oomycete	pyus	pyus_311010121	pyus_311010121
GT4	160	maker-pug3_contig_1104-fgenesh-gene-0.0-mRNA-1	337	0.00057	74	126	108	162	0.325	Pythium_ultimum_var_sporangiiferum	Pythium	GT4_maker-pug3_contig_1104-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_31104001	pyus_31104001
GH16	189	maker-pug3_contig_1144-snap-gene-0.5-mRNA-1	427	4.50E-10	122	189	147	270	0.354497355	Pythium_ultimum_var_sporangiiferum	Pythium	GH16_maker-pug3_contig_1144-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_31144051	pyus_31144051
CBM40	179	maker-pug3_contig_115-snap-gene-0.12-mRNA-1	506	0.00053	94	172	345	417	0.43575419	Pythium_ultimum_var_sporangiiferum	Pythium	CBM40_maker-pug3_contig_115-snap-gene-0.12-mRNA-1	Oomycete	pyus	pyus_31150121	pyus_31150121
GH53	342	maker-pug3_contig_1-fgenesh-gene-1.5-mRNA-1	407	1.20E-41	1	167	26	182	0.485380117	Pythium_ultimum_var_sporangiiferum	Pythium	GH53_maker-pug3_contig_1-fgenesh-gene-1.5-mRNA-1	Oomycete	pyus	pyus_31151	pyus_31151_secreted
GH53	342	maker-pug3_contig_1-fgenesh-gene-1.5-mRNA-1	407	4.50E-21	195	304	305	407	0.31871345	Pythium_ultimum_var_sporangiiferum	Pythium	GH53_maker-pug3_contig_1-fgenesh-gene-1.5-mRNA-1	Oomycete	pyus	pyus_31151	pyus_31151_secreted
GT71	264	maker-pug3_contig_1158-snap-gene-0.3-mRNA-1	554	3.40E-46	2	264	212	443	0.992424242	Pythium_ultimum_var_sporangiiferum	Pythium	GT71_maker-pug3_contig_1158-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31158031	pyus_31158031
GH5	275	maker-pug3_contig_1162-snap-gene-0.4-mRNA-1	488	6.30E-19	4	234	89	437	0.836363636	Pythium_ultimum_var_sporangiiferum	Pythium	GH5_maker-pug3_contig_1162-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_31162041	pyus_31162041
AA2	255	maker-pug3_contig_1164-snap-gene-0.7-mRNA-1	240	1.20E-41	71	253	36	220	0.71372549	Pythium_ultimum_var_sporangiiferum	Pythium	AA2_maker-pug3_contig				

CE1	227	maker-pug3_contig_128-snap-gene-0.34-mRNA-1	259	1.90E-09	10	143	15	185	0.585903084	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_128-snap-gene-0.34-mRNA-1	Oomycete	pyus	pyus_31280341	pyus_31280341
GH16	189	maker-pug3_contig_1288-snap-gene-0.2-mRNA-1	764	1.40E-09	122	189	435	570	0.354497355	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_1288-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31288021	pyus_31288021
GH16	189	maker-pug3_contig_1288-snap-gene-0.3-mRNA-1	574	5.60E-09	122	189	252	387	0.354497355	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_1288-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31288031	pyus_31288031
CE3	194	maker-pug3_contig_1305-snap-gene-0.8-mRNA-1	226	0.000000013	64	189	65	194	0.644329897	Pythium_ultimum_var_sporangiferum	Pythium	CE3_maker-pug3_contig_1305-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_31305081	pyus_31305081
GT1	382	maker-pug3_contig_1319-snap-gene-0.3-mRNA-1	671	0.0000005	86	276	247	468	0.497382199	Pythium_ultimum_var_sporangiferum	Pythium	GT1_maker-pug3_contig_1319-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31319031	pyus_31319031
GT22	389	maker-pug3_contig_1324-snap-gene-0.3-mRNA-1	447	4.60E-78	4	360	3	375	0.915167095	Pythium_ultimum_var_sporangiferum	Pythium	GT22_maker-pug3_contig_1324-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31324031	pyus_31324031
GT31	192	maker-pug3_contig_1330-snap-gene-0.3-mRNA-1	288	2.00E-12	59	191	71	225	0.6875	Pythium_ultimum_var_sporangiferum	Pythium	GT31_maker-pug3_contig_1330-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31330031	pyus_31330031
GT71	264	maker-pug3_contig_1331-snap-gene-0.8-mRNA-1	227	1.50E-12	2	94	92	189	0.348484849	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_1331-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_31331081	pyus_31331081
GH5	275	maker-pug3_contig_1341-snap-gene-0.5-mRNA-1	611	8.50E-27	30	239	243	560	0.76	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_1341-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_31341051	pyus_31341051
GT1	382	maker-pug3_contig_1359-snap-gene-0.5-mRNA-1	465	2.90E-14	84	379	174	461	0.772251309	Pythium_ultimum_var_sporangiferum	Pythium	GT1_maker-pug3_contig_1359-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_31359051	pyus_31359051
CBM20	90	maker-pug3_contig_136-snap-gene-0.25-mRNA-1	750	0.00031	39	79	19	65	0.444444444	Pythium_ultimum_var_sporangiferum	Pythium	CBM20_maker-pug3_contig_136-snap-gene-0.25-mRNA-1	Oomycete	pyus	pyus_31360251	pyus_31360251
CBM47	128	maker-pug3_contig_136-snap-gene-0.25-mRNA-1	750	1.90E-16	7	127	69	188	0.9375	Pythium_ultimum_var_sporangiferum	Pythium	CBM47_maker-pug3_contig_136-snap-gene-0.25-mRNA-1	Oomycete	pyus	pyus_31360251	pyus_31360251
GT2	168	snap_masked-pug3_contig_1370-abinit-gene-0.9-mRNA-1	625	7.90E-10	2	165	9	240	0.970238095	Pythium_ultimum_var_sporangiferum	Pythium	GT2_snap_masked-pug3_contig_1370-abinit-gene-0.9-mRNA-1	Oomycete	pyus	pyus_31370091	pyus_31370091
GT71	264	maker-pug3_contig_138-fgenesh-gene-0.17-mRNA-1	331	6.30E-37	1	262	41	300	0.988636364	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_138-fgenesh-gene-0.17-mRNA-1	Oomycete	pyus	pyus_31380171	pyus_31380171
GH17	311	maker-pug3_contig_1396-snap-gene-0.1-mRNA-1	604	1.70E-18	76	306	54	251	0.739549839	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_1396-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31396011	pyus_31396011
GH43	248	maker-pug3_contig_1399-fgenesh-gene-0.2-mRNA-1	258	5.20E-16	125	247	108	256	0.491935484	Pythium_ultimum_var_sporangiferum	Pythium	GH43_maker-pug3_contig_1399-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31399021	pyus_31399021_secreted
GH43	248	maker-pug3_contig_1399-fgenesh-gene-0.2-mRNA-1	258	2.60E-14	2	94	22	120	0.370967742	Pythium_ultimum_var_sporangiferum	Pythium	GH43_maker-pug3_contig_1399-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31399021	pyus_31399021_secreted
AA6	195	maker-pug3_contig_140-snap-gene-0.32-mRNA-1	203	2.50E-79	2	195	4	200	0.98974359	Pythium_ultimum_var_sporangiferum	Pythium	AA6_maker-pug3_contig_140-snap-gene-0.32-mRNA-1	Oomycete	pyus	pyus_31400321	pyus_31400321
CBM9	182	maker-pug3_contig_1420-fgenesh-gene-0.0-mRNA-1	421	1.30E-30	1	148	37	212	0.807692308	Pythium_ultimum_var_sporangiferum	Pythium	CBM9_maker-pug3_contig_1420-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_31420001	pyus_31420001
CE10	341	maker-pug3_contig_143-fgenesh-gene-0.10-mRNA-1	382	1.30E-31	94	334	128	372	0.703812317	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_143-fgenesh-gene-0.10-mRNA-1	Oomycete	pyus	pyus_31430101	pyus_31430101
GH72	312	maker-pug3_contig_143-fgenesh-gene-0.8-mRNA-1	363	1.20E-35	5	136	30	166	0.419871795	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_143-fgenesh-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3143081	pyus_3143081_secreted
GH72	312	maker-pug3_contig_143-fgenesh-gene-0.8-mRNA-1	363	1.90E-18	172	282	169	298	0.352564103	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_143-fgenesh-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3143081	pyus_3143081_secreted
CE10	341	maker-pug3_contig_1439-snap-gene-0.0-mRNA-1	520	3.60E-33	50	200	77	240	0.439882698	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_1439-snap-gene-0.0-mRNA-1	Oomycete	pyus	pyus_31439001	pyus_31439001_secreted
SLH	42	maker-pug3_contig_1444-snap-gene-0.2-mRNA-1	384	0.00027	7	29	280	302	0.523809524	Pythium_ultimum_var_sporangiferum	Pythium	SLH_maker-pug3_contig_1444-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31444021	pyus_31444021_secreted
CBM47	128	maker-pug3_contig_147-snap-gene-0.17-mRNA-1	1251	3.50E-20	3	128	1004	1145	0.9765625	Pythium_ultimum_var_sporangiferum	Pythium	CBM47_maker-pug3_contig_147-snap-gene-0.17-mRNA-1	Oomycete	pyus	pyus_31470171	pyus_31470171
PL3	197	fgenesh_masked-pug3_contig_1471-abinit-gene-0.13-mRNA-1	131	2.50E-18	2	67	31	97	0.329949239	Pythium_ultimum_var_sporangiferum	Pythium	PL3_fgenesh_masked-pug3_contig_1471-abinit-gene-0.13-mRNA-1	Oomycete	pyus	pyus_314710131	pyus_314710131_secreted
GH7	415	maker-pug3_contig_1478-snap-gene-0.2-mRNA-1	367	1.40E-70	106	291	97	266	0.445783133	Pythium_ultimum_var_sporangiferum	Pythium	GH7_maker-pug3_contig_1478-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31478021	pyus_31478021_secreted
GH81	622	maker-pug3_contig_1523-snap-gene-0.6-mRNA-1	807	3.80E-13	34	334	2	249	0.482315113	Pythium_ultimum_var_sporangiferum	Pythium	GH81_maker-pug3_contig_1523-snap-gene-0.6-mRNA-1	Oomycete	pyus	pyus_31523061	pyus_31523061
GT4	160	snap_masked-pug3_contig_154-abinit-gene-0.34-mRNA-1	431	6.20E-16	7	128	199	335	0.75625	Pythium_ultimum_var_sporangiferum	Pythium	GT4_snap_masked-pug3_contig_154-abinit-gene-0.34-mRNA-1	Oomycete	pyus	pyus_31540341	pyus_31540341
GH85	315	maker-pug3_contig_1541-snap-gene-0.3-mRNA-1	913	1.10E-65	1	273	277	541	0.863492064	Pythium_ultimum_var_sporangiferum	Pythium	GH85_maker-pug3_contig_1541-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31541031	pyus_31541031
SLH	42	maker-pug3_contig_1544-snap-gene-0.3-mRNA-1	603	0.00087	6	29	431	454	0.547619048	Pythium_ultimum_var_sporangiferum	Pythium	SLH_maker-pug3_contig_1544-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31544031	pyus_31544031_secreted
GT66	693	maker-pug3_contig_158-snap-gene-0.16-mRNA-1	734	1.10E-152	10	594	17	678	0.842712843	Pythium_ultimum_var_sporangiferum	Pythium	GT66_maker-pug3_contig_158-snap-gene-0.16-mRNA-1	Oomycete	pyus	pyus_31580161	pyus_31580161
GH30	417	maker-pug3_contig_159-fgenesh-gene-0.9-mRNA-1	548	3.30E-108	14	415	94	539	0.961636095	Pythium_ultimum_var_sporangiferum	Pythium	GH30_maker-pug3_contig_159-fgenesh-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3159091	pyus_3159091_secreted
GH13	299	maker-pug3_contig_1597-fgenesh-gene-0.1-mRNA-1	546	0.0000043	106	235	248	412	0.431438127	Pythium_ultimum_var_sporangiferum	Pythium	GH13_maker-pug3_contig_1597-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31597011	pyus_31597011_secreted
CE10	341	maker-pug3_contig_160-snap-gene-0.19-mRNA-1	458	5.40E-23	77	335	136	400	0.756598241	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_160-snap-gene-0.19-mRNA-1	Oomycete	pyus	pyus_31600191	pyus_31600191
GH38	269	snap_masked-pug3_contig_16-abinit-gene-0.79-mRNA-1	1036	1.00E-71	1	269	46	348	0.996282528	Pythium_ultimum_var_sporangiferum	Pythium	GH38_snap_masked-pug3_contig_16-abinit-gene-0.79-mRNA-1	Oomycete	pyus	pyus_3160791	pyus_3160791
CE1	227	maker-pug3_contig_161-snap-gene-0.20-mRNA-1	406	0.000000039	15	122	167	306	0.471365639	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_161-snap-gene-0.20-mRNA-1	Oomycete	pyus	pyus_31610201	pyus_31610201
PL1	202	maker-pug3_contig_1635-snap-gene-0.2-mRNA-1	337	1.40E-38	23	201	56	253	0.881188119	Pythium_ultimum_var_sporangiferum	Pythium	PL1_maker-pug3_contig_1635-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31635021	pyus_31635021
PL1	202	maker-pug3_contig_1635-snap-gene-0.3-mRNA-1	232	2.30E-20	21	114	122	220	0.46039604	Pythium_ultimum_var_sporangiferum	Pythium	PL1_maker-pug3_contig_1635-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31635031	pyus_31635031_secreted
GH5	275	snap_masked-pug3_contig_164-abinit-gene-0.16-mRNA-1	530	4.00E-24	8	240	53	449	0.843636364	Pythium_ultimum_var_sporangiferum	Pythium	GH5_snap_masked-pug3_contig_164-abinit-gene-0.16-mRNA-1	Oomycete	pyus	pyus_31640161	pyus_31640161
GH1	429	maker-pug3_contig_1641-snap-gene-0.2-mRNA-1	370	1.20E-71	185	404	112	368	0.510489511	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_1641-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31641021	pyus_31641021
GH5	275	maker-pug3_contig_1649-snap-gene-0.4-mRNA-1	375	0.000000001	129	238	79	241	0.396363636	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_1649-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_31649041	pyus_31649041
GT8	257	maker-pug3_contig_1694-snap-gene-0.5-mRNA-1	245	3.30E-33	28	224	7	191	0.762645914	Pythium_ultimum_var_sporangiferum	Pythium	GT8_maker-pug3_contig_1694-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_31694051	pyus_31694051
GH32	293	maker-pug3_contig_1712-fgenesh-gene-0.1-mRNA-1	542	5.90E-54	24	282	1	302	0.880546075	Pythium_ultimum_var_sporangiferum	Pythium	GH32_maker-pug3_contig_1712-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31712011	pyus_31712011
GT1	382	maker-pug3_contig_1729-fgenesh-gene-0.1-mRNA-1	366	0.00000066	94	215	223	344	0.316753927	Pythium_ultimum_var_sporangiferum	Pythium	GT1_maker-pug3_contig_1729-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31729011	pyus_31729011
GT1	382	maker-pug3_contig_1774-snap-gene-0.2-mRNA-1	501	1.10E-18	112	376	14	321	0.691099476	Pythium_ultimum_var_sporangiferum	Pythium	GT1_maker-pug3_contig_1774-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31774021	pyus_31774021
CBM32	124	maker-pug3_contig_179-snap-gene-0.12-mRNA-1	3679	0.00000034	7	109	245	352	0.822580645	Pythium_ultimum_var_sporangiferum	Pythium	CBM32_maker-pug3_contig_179-snap-gene-0.12-mRNA-1	Oomycete	pyus	pyus_31790121	pyus_31790121
CBM51	134	maker-pug3_contig_179-snap-gene-0.12-mRNA-1	3679	7.20E-15	2	132	663	819	0.970149254	Pythium_ultimum_var_sporangiferum	Pythium	CBM51_maker-pug3_contig_179-snap-gene-0.12-mRNA-1	Oomycete	pyus	pyus_31790121	pyus_31790121
GT48	739	maker-pug3_contig_179-snap-gene-0.17-mRNA-1	1222	5.60E-259	2	684	436	1160	0.922868742	Pythium_ultimum_var_sporangiferum	Pythium	GT48_maker-pug3_contig_179-snap-gene-0.17-mRNA-1	Oomycete	pyus	pyus_31790171	pyus_31790171
GT19	354	maker-pug3_contig_180-snap-gene-0.28-mRNA-1	420	3.70E-31	39	168	2	155	0.36440678	Pythium_ultimum_var_sporangiferum	Pythium	GT19_maker-pug3_contig_180-snap-gene-0.28-mRNA-1	Oomycete	pyus	pyus_31800281	pyus_31800281
GT19	354	maker-pug3_contig_180-snap-gene-0.28-mRNA-1	420	3.70E-20	192	310	270	391	0.333333333	Pythium_ultimum_var_sporangiferum	Pythium	GT19_maker-pug3_contig_180-snap-gene-0.28-mRNA-1	Oomycete	pyus	pyus_31800281	pyus_31800281
GT71	264	maker-pug3_contig_1804-snap-gene-0.1-mRNA-1	286	2.70E-33	1	140	63	196	0.526515152	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_1804-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31804011	pyus_31804011
GH35	307	snap_masked-pug3_contig_1901-abinit-gene-0.3-mRNA-1	726	1.80E-81	24	306	1	282	0.918566775	Pythium_ultimum_var_sporangiferum	Pythium	GH35_snap_masked-pug3_contig_1901-abinit-gene-0.3-mRNA-1	Oomycete	pyus	pyus_31901031	pyus_31901031
GH47	446	maker-pug3_contig_1922-fgenesh-gene-0.1-mRNA-1	394	1.10E-117	52	445	3	386	0.881165919	Pythium_ultimum_var_sporangiferum	Pythium	GH47_maker-pug3_contig_1922-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31922011	pyus_31922011
GH15	361	maker-pug3_contig_1935-snap-gene-0.1-mRNA-1	390	2.70E-54	52	359	4	378	0.850415513	Pythium_ultimum_var_sporangiferum	Pythium	GH15_maker-pug3_contig_1935-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_31935011	pyus_31935011
GT48	739	snap_masked-pug3_contig_1997-abinit-gene-0.2-mRNA-1	1306	2.70E-86	3	242	1072	1306	0.323410014	Pythium_ultimum_var_sporangiferum	Pythium	GT48_snap_masked-pug3_contig_1997-abinit-gene-0.2-mRNA-1	Oomycete	pyus	pyus_31997021	pyus_31997021
GT71	264	maker-pug3_contig_20-snap-gene-0.35-mRNA-1	429	7.60E-33												

GT48	739	maker-pug3_contig_219-snap-gene-0.23-mRNA-1	2078	8.10E-273	2	722	774	1523	0.974289581	Pythium_ultimum_var_sporangiferum	Pythium	GT48_maker-pug3_contig_219-snap-gene-0.23-mRNA-1	Oomycete	pyus	pyus_32190231	pyus_32190231
CE9	373	maker-pug3_contig_2199-snap-gene-0.3-mRNA-1	232	3.30E-45	212	373	72	222	0.431635389	Pythium_ultimum_var_sporangiferum	Pythium	CE9_maker-pug3_contig_2199-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_32199031	pyus_32199031
GT8	257	maker-pug3_contig_2205-snap-gene-0.3-mRNA-1	303	7.70E-20	55	224	70	236	0.657587549	Pythium_ultimum_var_sporangiferum	Pythium	GT8_maker-pug3_contig_2205-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_32205031	pyus_32205031
GH5	275	maker-pug3_contig_2210-snap-gene-0.0-mRNA-1	400	1.80E-36	24	239	103	382	0.781818182	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_2210-snap-gene-0.0-mRNA-1	Oomycete	pyus	pyus_32210001	pyus_32210001_secreted
GH72	312	maker-pug3_contig_2275-snap-gene-0.2-mRNA-1	298	1.20E-47	5	253	10	281	0.794871795	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_2275-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_32275021	pyus_32275021
CE10	341	maker-pug3_contig_2291-snap-gene-0.3-mRNA-1	271	1.90E-10	153	292	81	233	0.407624633	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_2291-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_32291031	pyus_32291031
AA2	255	maker-pug3_contig_2356-snap-gene-0.1-mRNA-1	425	5.80E-24	14	119	57	164	0.411764706	Pythium_ultimum_var_sporangiferum	Pythium	AA2_maker-pug3_contig_2356-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32356011	pyus_32356011_secreted
GH16	189	maker-pug3_contig_236-snap-gene-0.10-mRNA-1	630	1.10E-09	89	189	177	286	0.529100529	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_236-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_32360101	pyus_32360101
GH5	275	snap-pug3_contig_2389-abinit-gene-0.4-mRNA-1	466	2.10E-47	6	240	117	440	0.850909091	Pythium_ultimum_var_sporangiferum	Pythium	GH5_snap-pug3_contig_2389-abinit-gene-0.4-mRNA-1	Oomycete	pyus	pyus_32389041	pyus_32389041_secreted
GH18	296	maker-pug3_contig_24-snap-gene-0.29-mRNA-1	399	2.20E-37	39	278	64	375	0.807432432	Pythium_ultimum_var_sporangiferum	Pythium	GH18_maker-pug3_contig_24-snap-gene-0.29-mRNA-1	Oomycete	pyus	pyus_3240291	pyus_3240291
PL3	197	maker-pug3_contig_2405-snap-gene-0.2-mRNA-1	207	3.80E-65	25	191	1	173	0.842639594	Pythium_ultimum_var_sporangiferum	Pythium	PL3_maker-pug3_contig_2405-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_32405021	pyus_32405021
PL3	197	maker-pug3_contig_2405-snap-gene-0.5-mRNA-1	146	1.30E-27	30	100	31	107	0.355329949	Pythium_ultimum_var_sporangiferum	Pythium	PL3_maker-pug3_contig_2405-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_32405051	pyus_32405051_secreted
GH16	189	maker-pug3_contig_245-snap-gene-0.14-mRNA-1	423	3.80E-09	4	159	84	396	0.82010582	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_245-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_32450141	pyus_32450141_secreted
GT4	160	maker-pug3_contig_246-fgenesh-gene-0.3-mRNA-1	544	4.20E-12	51	110	227	290	0.36875	Pythium_ultimum_var_sporangiferum	Pythium	GT4_maker-pug3_contig_246-fgenesh-gene-0.3-mRNA-1	Oomycete	pyus	pyus_3246031	pyus_3246031
CBM63	78	maker-pug3_contig_255-fgenesh-gene-0.3-mRNA-1	1117	0.00000099	2	34	616	648	0.41025641	Pythium_ultimum_var_sporangiferum	Pythium	CBM63_maker-pug3_contig_255-fgenesh-gene-0.3-mRNA-1	Oomycete	pyus	pyus_3255031	pyus_3255031
GT2	168	snap_masked-pug3_contig_256-abinit-gene-0.23-mRNA-1	987	7.90E-10	2	108	308	494	0.630952381	Pythium_ultimum_var_sporangiferum	Pythium	GT2_snap_masked-pug3_contig_256-abinit-gene-0.23-mRNA-1	Oomycete	pyus	pyus_32560231	pyus_32560231
GH6	294	maker-pug3_contig_2576-snap-gene-0.1-mRNA-1	370	3.00E-36	13	262	41	250	0.846938776	Pythium_ultimum_var_sporangiferum	Pythium	GH6_maker-pug3_contig_2576-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32576011	pyus_32576011_secreted
GH6	294	maker-pug3_contig_2579-snap-gene-0.1-mRNA-1	579	3.30E-62	11	289	38	293	0.945578231	Pythium_ultimum_var_sporangiferum	Pythium	GH6_maker-pug3_contig_2579-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32579011	pyus_32579011_secreted
GH17	311	maker-pug3_contig_258-snap-gene-0.17-mRNA-1	301	1.10E-17	26	307	11	241	0.903536978	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_258-snap-gene-0.17-mRNA-1	Oomycete	pyus	pyus_32580171	pyus_32580171
GH5	275	maker-pug3_contig_2584-snap-gene-0.1-mRNA-1	444	1.70E-29	12	185	114	364	0.629090909	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_2584-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32584011	pyus_32584011
GH81	622	fgenesh_masked-pug3_contig_260-abinit-gene-0.40-mRNA-1	644	9.80E-169	16	554	36	643	0.864951769	Pythium_ultimum_var_sporangiferum	Pythium	GH81_fgenesh_masked-pug3_contig_260-abinit-gene-0.40-mRNA-1	Oomycete	pyus	pyus_32600401	pyus_32600401
CBM1	29	maker-pug3_contig_2643-snap-gene-0.2-mRNA-1	112	0.00025	1	29	78	108	0.965517241	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_2643-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_32643021	pyus_32643021_secreted
CBM1	29	maker-pug3_contig_2643-snap-gene-0.2-mRNA-1	112	0.00091	14	29	53	68	0.517241379	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_2643-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_32643021	pyus_32643021_secreted
GT60	330	maker-pug3_contig_267-snap-gene-0.15-mRNA-1	336	1.70E-24	6	223	101	313	0.657575758	Pythium_ultimum_var_sporangiferum	Pythium	GT60_maker-pug3_contig_267-snap-gene-0.15-mRNA-1	Oomycete	pyus	pyus_32670151	pyus_32670151
GH89	663	maker-pug3_contig_2676-snap-gene-0.1-mRNA-1	737	7.40E-225	2	661	44	712	0.993966818	Pythium_ultimum_var_sporangiferum	Pythium	GH89_maker-pug3_contig_2676-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32676011	pyus_32676011
GH109	126	maker-pug3_contig_268-snap-gene-0.20-mRNA-1	257	0.00000095	64	113	30	79	0.388888889	Pythium_ultimum_var_sporangiferum	Pythium	GH109_maker-pug3_contig_268-snap-gene-0.20-mRNA-1	Oomycete	pyus	pyus_32680201	pyus_32680201
GT20	475	maker-pug3_contig_268-snap-gene-0.26-mRNA-1	706	8.20E-137	68	456	45	436	0.816842105	Pythium_ultimum_var_sporangiferum	Pythium	GT20_maker-pug3_contig_268-snap-gene-0.26-mRNA-1	Oomycete	pyus	pyus_32680261	pyus_32680261
GT60	330	maker-pug3_contig_2685-fgenesh-gene-0.1-mRNA-1	249	8.80E-36	187	329	93	225	0.430303003	Pythium_ultimum_var_sporangiferum	Pythium	GT60_maker-pug3_contig_2685-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32685011	pyus_32685011
CE2	209	maker-pug3_contig_27-fgenesh-gene-0.18-mRNA-1	1110	0.0000087	136	209	230	317	0.349282297	Pythium_ultimum_var_sporangiferum	Pythium	CE2_maker-pug3_contig_27-fgenesh-gene-0.18-mRNA-1	Oomycete	pyus	pyus_3270181	pyus_3270181
GH5	275	maker-pug3_contig_2713-snap-gene-0.1-mRNA-1	338	2.60E-34	25	178	99	318	0.556363636	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_2713-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32713011	pyus_32713011_secreted
CE10	341	maker-pug3_contig_274-snap-gene-0.15-mRNA-1	398	9.40E-26	93	316	128	352	0.653958944	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_274-snap-gene-0.15-mRNA-1	Oomycete	pyus	pyus_32740151	pyus_32740151
CE10	341	maker-pug3_contig_274-snap-gene-0.16-mRNA-1	437	9.80E-29	96	319	155	370	0.653958944	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_274-snap-gene-0.16-mRNA-1	Oomycete	pyus	pyus_32740161	pyus_32740161
CE1	227	maker-pug3_contig_276-fgenesh-gene-0.7-mRNA-1	240	3.90E-24	1	113	21	151	0.493392071	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_276-fgenesh-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3276071	pyus_3276071
CE1	227	maker-pug3_contig_276-fgenesh-gene-0.7-mRNA-1	240	0.000000008	152	225	156	236	0.321585903	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_276-fgenesh-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3276071	pyus_3276071
GH114	190	maker-pug3_contig_278-fgenesh-gene-0.4-mRNA-1	265	1.60E-76	1	190	40	229	0.994736842	Pythium_ultimum_var_sporangiferum	Pythium	GH114_maker-pug3_contig_278-fgenesh-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3278041	pyus_3278041
GH1	429	maker-pug3_contig_2792-snap-gene-0.1-mRNA-1	265	4.70E-51	173	393	1	262	0.512820513	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_2792-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32792011	pyus_32792011
GH30	417	maker-pug3_contig_286-snap-gene-0.16-mRNA-1	323	5.20E-66	7	209	113	323	0.48441247	Pythium_ultimum_var_sporangiferum	Pythium	GH30_maker-pug3_contig_286-snap-gene-0.16-mRNA-1	Oomycete	pyus	pyus_32860161	pyus_32860161
CE12	210	maker-pug3_contig_2867-snap-gene-0.1-mRNA-1	443	1.60E-16	2	208	12	208	0.980952381	Pythium_ultimum_var_sporangiferum	Pythium	CE12_maker-pug3_contig_2867-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32867011	pyus_32867011
CBM63	78	snap_masked-pug3_contig_288-abinit-gene-0.20-mRNA-1	751	0.0000022	2	73	124	196	0.91025641	Pythium_ultimum_var_sporangiferum	Pythium	CBM63_snap_masked-pug3_contig_288-abinit-gene-0.20-mRNA-1	Oomycete	pyus	pyus_32880201	pyus_32880201_secreted
GT83	540	maker-pug3_contig_294-snap-gene-0.22-mRNA-1	222	0.0000032	349	519	489	653	0.314814815	Pythium_ultimum_var_sporangiferum	Pythium	GT83_maker-pug3_contig_294-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_32940221	pyus_32940221
GH16	189	maker-pug3_contig_2943-snap-gene-0.1-mRNA-1	326	1.10E-09	90	189	36	170	0.523809524	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_2943-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_32943011	pyus_32943011
GT95	294	maker-pug3_contig_298-snap-gene-0.17-mRNA-1	309	0.000000016	93	217	60	186	0.421768708	Pythium_ultimum_var_sporangiferum	Pythium	GT95_maker-pug3_contig_298-snap-gene-0.17-mRNA-1	Oomycete	pyus	pyus_32980171	pyus_32980171
AA2	255	maker-pug3_contig_3031-fgenesh-gene-0.0-mRNA-1	120	1.10E-09	139	253	4	112	0.447058824	Pythium_ultimum_var_sporangiferum	Pythium	AA2_maker-pug3_contig_3031-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_33031001	pyus_33031001
CBM1	29	maker-pug3_contig_3037-fgenesh-gene-0.0-mRNA-1	69	0.000000002	9	29	1	21	0.689655172	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_3037-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_33037001	pyus_33037001
CBM9	182	maker-pug3_contig_3038-snap-gene-0.0-mRNA-1	216	5.30E-14	1	100	86	175	0.543956044	Pythium_ultimum_var_sporangiferum	Pythium	CBM9_maker-pug3_contig_3038-snap-gene-0.0-mRNA-1	Oomycete	pyus	pyus_33038001	pyus_33038001
CE1	227	maker-pug3_contig_3050-snap-gene-0.1-mRNA-1	277	0.0000023	74	175	88	177	0.444933921	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_3050-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_33050011	pyus_33050011
GT45	115	maker-pug3_contig_3086-snap-gene-0.1-mRNA-1	456	0.0000094	23	100	215	294	0.669565217	Pythium_ultimum_var_sporangiferum	Pythium	GT45_maker-pug3_contig_3086-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_33086011	pyus_33086011
GH1	429	maker-pug3_contig_309-snap-gene-0.11-mRNA-1	257	1.70E-64	225	428	21	254	0.473193473	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_309-snap-gene-0.11-mRNA-1	Oomycete	pyus	pyus_33090111	pyus_33090111
PL4	567	maker-pug3_contig_310-snap-gene-0.14-mRNA-1	492	8.00E-80	165	561	111	474	0.698412698	Pythium_ultimum_var_sporangiferum	Pythium	PL4_maker-pug3_contig_310-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_33100141	pyus_33100141_secreted
PL4	567	maker-pug3_contig_310-fgenesh-gene-0.7-mRNA-1	543	9.30E-104	3	565	21	531	0.991181658	Pythium_ultimum_var_sporangiferum	Pythium	PL4_maker-pug3_contig_310-fgenesh-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3310071	pyus_3310071_secreted
GT48	739	maker-pug3_contig_3191-snap-gene-0.1-mRNA-1	573	6.60E-86	3	242	339	573	0.323410014	Pythium_ultimum_var_sporangiferum	Pythium	GT48_maker-pug3_contig_3191-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_33191011	pyus_33191011
CBM42	136	maker-pug3_contig_33-snap-gene-0.34-mRNA-1	119	0.00043	13	66	42	95	0.389705882	Pythium_ultimum_var_sporangiferum	Pythium	CBM42_maker-pug3_contig_33-snap-gene-0.34-mRNA-1	Oomycete	pyus	pyus_3330341	pyus_3330341
GT20	475	snap_masked-pug3_contig_331-abinit-gene-0.27-mRNA-1	810	2.30E-56	122	349	170	384	0.477894737	Pythium_ultimum_var_sporangiferum	Pythium	GT20_snap_masked-pug3_contig_331-abinit-gene-0.27-mRNA-1	Oomycete	pyus	pyus_33310271	pyus_33310271
GT31	192	maker-pug3_contig_331-snap-gene-0.8-mRNA-1	209	0.0000059	53	141	74	174	0.458333333	Pythium_ultimum_var_sporangiferum	Pythium	GT31_maker-pug3_contig_331-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3331081	pyus_3331081
CBM51	134	maker-pug3_contig_336-snap-gene-0.10-mRNA-1	86	0.00045	55	96	30	74	0.305970149	Pythium_ultimum_var_sporangiferum	Pythium	CBM51_maker-pug3_contig_336-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_33360101	pyus_33360101
GH17	311	maker-pug3_contig_3361-snap-gene-0.2-mRNA-1	411	5.70E-28	11	306	43	301	0.948553055	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_3361-snap-gene-0.2-mRNA-1	Oomycete	pyus	pyus_33361021	pyus_33361021
CE10	341	maker-pug3_contig_337-snap-gene-0.12-mRNA-1	279	0.0000085	32	255	40	2								

PL1	202	maker-pug3_contig_3913-snap-gene-0.1-mRNA-1	310	4.40E-33	22	186	126	308	0.811881188	Pythium_ultimum_var_sporangiferum	Pythium	PL1_maker-pug3_contig_3913-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_33913011	pyus_33913011_secretred
GH3	216	maker-pug3_contig_397-snap-gene-0.13-mRNA-1	789	4.80E-56	7	203	73	280	0.907407407	Pythium_ultimum_var_sporangiferum	Pythium	GH3_maker-pug3_contig_397-snap-gene-0.13-mRNA-1	Oomycete	pyus	pyus_33970131	pyus_33970131
GT4	160	maker-pug3_contig_3983-fgenesh-gene-0.1-mRNA-1	251	0.000042	49	125	169	246	0.475	Pythium_ultimum_var_sporangiferum	Pythium	GT4_maker-pug3_contig_3983-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_33983011	pyus_33983011
GH1	429	maker-pug3_contig_406-snap-gene-0.16-mRNA-1	295	1.30E-51	230	428	93	292	0.461538462	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_406-snap-gene-0.16-mRNA-1	Oomycete	pyus	pyus_34060161	pyus_34060161
GH17	311	maker-pug3_contig_4069-fgenesh-gene-0.0-mRNA-1	356	9.20E-20	22	306	75	321	0.91318328	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_4069-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34069001	pyus_34069001_secretred
GH28	325	maker-pug3_contig_4087-fgenesh-gene-0.0-mRNA-1	244	2.10E-38	4	198	44	237	0.596923077	Pythium_ultimum_var_sporangiferum	Pythium	GH28_maker-pug3_contig_4087-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34087001	pyus_34087001_secretred
GT10	347	maker-pug3_contig_41-snap-gene-0.27-mRNA-1	954	3.30E-37	164	305	768	919	0.406340058	Pythium_ultimum_var_sporangiferum	Pythium	GT10_maker-pug3_contig_41-snap-gene-0.27-mRNA-1	Oomycete	pyus	pyus_3410271	pyus_3410271_secretred
GT31	192	maker-pug3_contig_41-snap-gene-0.27-mRNA-1	954	9.60E-34	32	191	277	442	0.828125	Pythium_ultimum_var_sporangiferum	Pythium	GT31_maker-pug3_contig_41-snap-gene-0.27-mRNA-1	Oomycete	pyus	pyus_3410271	pyus_3410271_secretred
GH5	275	maker-pug3_contig_4106-fgenesh-gene-0.0-mRNA-1	343	2.30E-21	62	251	27	307	0.687272727	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_4106-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34106001	pyus_34106001
GH63	570	snap_masked-pug3_contig_411-abinit-gene-0.27-mRNA-1	743	7.50E-22	327	567	463	741	0.421052632	Pythium_ultimum_var_sporangiferum	Pythium	GH63_snap_masked-pug3_contig_411-abinit-gene-0.27-mRNA-1	Oomycete	pyus	pyus_34110271	pyus_34110271
CBM50	40	maker-pug3_contig_412-snap-gene-0.9-mRNA-1	1620	0.00000054	3	39	1464	1504	0.9	Pythium_ultimum_var_sporangiferum	Pythium	CBM50_maker-pug3_contig_412-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3412091	pyus_3412091
PL1	202	maker-pug3_contig_4181-snap-gene-0.0-mRNA-1	233	5.20E-27	67	200	1	148	0.658415842	Pythium_ultimum_var_sporangiferum	Pythium	PL1_maker-pug3_contig_4181-snap-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34181001	pyus_34181001
GH5	275	maker-pug3_contig_421-fgenesh-gene-0.4-mRNA-1	362	1.80E-34	6	253	76	349	0.898181818	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_421-fgenesh-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3421041	pyus_3421041_secretred
GH81	622	maker-pug3_contig_4231-snap-gene-0.1-mRNA-1	307	2.60E-115	330	618	10	306	0.463022508	Pythium_ultimum_var_sporangiferum	Pythium	GH81_maker-pug3_contig_4231-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_34231011	pyus_34231011
AA4	522	maker-pug3_contig_43-fgenesh-gene-0.19-mRNA-1	534	2.10E-21	18	249	8	227	0.442528736	Pythium_ultimum_var_sporangiferum	Pythium	AA4_maker-pug3_contig_43-fgenesh-gene-0.19-mRNA-1	Oomycete	pyus	pyus_3430191	pyus_3430191
GT57	481	maker-pug3_contig_43-snap-gene-0.50-mRNA-1	544	1.20E-142	2	480	57	522	0.993762994	Pythium_ultimum_var_sporangiferum	Pythium	GT57_maker-pug3_contig_43-snap-gene-0.50-mRNA-1	Oomycete	pyus	pyus_3430501	pyus_3430501
GH31	427	maker-pug3_contig_435-snap-gene-0.10-mRNA-1	870	5.20E-121	3	427	121	633	0.992974239	Pythium_ultimum_var_sporangiferum	Pythium	GH31_maker-pug3_contig_435-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_34350101	pyus_34350101
GT22	389	maker-pug3_contig_435-snap-gene-0.11-mRNA-1	442	1.40E-29	5	207	34	229	0.519280206	Pythium_ultimum_var_sporangiferum	Pythium	GT22_maker-pug3_contig_435-snap-gene-0.11-mRNA-1	Oomycete	pyus	pyus_34350111	pyus_34350111
GH5	275	maker-pug3_contig_44-snap-gene-0.31-mRNA-1	459	5.40E-41	5	247	44	366	0.88	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_44-snap-gene-0.31-mRNA-1	Oomycete	pyus	pyus_3440311	pyus_3440311
GH17	311	maker-pug3_contig_441-snap-gene-0.14-mRNA-1	348	1.50E-23	166	306	167	286	0.450160772	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_441-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_34410141	pyus_34410141_secretred
GH17	311	maker-pug3_contig_441-snap-gene-0.15-mRNA-1	385	2.30E-19	66	306	104	302	0.77170418	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_441-snap-gene-0.15-mRNA-1	Oomycete	pyus	pyus_34410151	pyus_34410151_secretred
GT20	475	maker-pug3_contig_443-snap-gene-0.11-mRNA-1	992	3.20E-107	24	474	48	566	0.947368421	Pythium_ultimum_var_sporangiferum	Pythium	GT20_maker-pug3_contig_443-snap-gene-0.11-mRNA-1	Oomycete	pyus	pyus_34430111	pyus_34430111
CE7	313	maker-pug3_contig_45-snap-gene-0.34-mRNA-1	300	1.60E-10	157	294	110	257	0.947699681	Pythium_ultimum_var_sporangiferum	Pythium	CE7_maker-pug3_contig_45-snap-gene-0.34-mRNA-1	Oomycete	pyus	pyus_3450341	pyus_3450341
GH7	415	maker-pug3_contig_4597-snap-gene-0.1-mRNA-1	264	5.70E-117	111	360	1	264	0.6	Pythium_ultimum_var_sporangiferum	Pythium	GH7_maker-pug3_contig_4597-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_34597011	pyus_34597011
CBM38	129	snap_masked-pug3_contig_462-abinit-gene-0.18-mRNA-1	203	3.00E-16	57	128	1	70	0.550387597	Pythium_ultimum_var_sporangiferum	Pythium	CBM38_snap_masked-pug3_contig_462-abinit-gene-0.18-mRNA-1	Oomycete	pyus	pyus_34620181	pyus_34620181
GH81	622	maker-pug3_contig_4653-snap-gene-0.1-mRNA-1	225	1.50E-34	103	299	1	215	0.31511254	Pythium_ultimum_var_sporangiferum	Pythium	GH81_maker-pug3_contig_4653-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_34653011	pyus_34653011
GH5	275	maker-pug3_contig_468-snap-gene-0.11-mRNA-1	542	1.80E-37	4	236	80	438	0.843636364	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_468-snap-gene-0.11-mRNA-1	Oomycete	pyus	pyus_34680111	pyus_34680111
GH5	275	maker-pug3_contig_4699-snap-gene-0.1-mRNA-1	249	2.90E-32	29	178	15	229	0.541818182	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_4699-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_34699011	pyus_34699011
CBM13	188	maker-pug3_contig_471-snap-gene-0.7-mRNA-1	596	4.50E-09	10	133	166	312	0.654255319	Pythium_ultimum_var_sporangiferum	Pythium	CBM13_maker-pug3_contig_471-snap-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3471071	pyus_3471071
CBM13	188	maker-pug3_contig_471-snap-gene-0.7-mRNA-1	596	0.000000079	14	144	331	480	0.691489362	Pythium_ultimum_var_sporangiferum	Pythium	CBM13_maker-pug3_contig_471-snap-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3471071	pyus_3471071
CBM1	29	maker-pug3_contig_4720-fgenesh-gene-0.0-mRNA-1	91	0.00000018	4	23	50	70	0.655172414	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_4720-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34720001	pyus_34720001_secretred
GT41	705	maker-pug3_contig_48-snap-gene-0.39-mRNA-1	838	1.10E-61	147	513	215	778	0.519148936	Pythium_ultimum_var_sporangiferum	Pythium	GT41_maker-pug3_contig_48-snap-gene-0.39-mRNA-1	Oomycete	pyus	pyus_3480391	pyus_3480391
GH28	325	maker-pug3_contig_4845-fgenesh-gene-0.0-mRNA-1	217	4.50E-36	4	180	45	214	0.541538462	Pythium_ultimum_var_sporangiferum	Pythium	GH28_maker-pug3_contig_4845-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_34845001	pyus_34845001_secretred
CE1	227	maker-pug3_contig_488-fgenesh-gene-0.7-mRNA-1	316	4.90E-11	14	209	17	226	0.859030837	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_488-fgenesh-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3488071	pyus_3488071
CBM1	29	maker-pug3_contig_491-fgenesh-gene-0.9-mRNA-1	217	0.000000041	2	25	48	71	0.793103448	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_491-fgenesh-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3491091	pyus_3491091
CBM1	29	maker-pug3_contig_491-fgenesh-gene-0.9-mRNA-1	217	0.00037	15	28	197	210	0.448275862	Pythium_ultimum_var_sporangiferum	Pythium	CBM1_maker-pug3_contig_491-fgenesh-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3491091	pyus_3491091
CBM21	107	maker-pug3_contig_4988-snap-gene-0.1-mRNA-1	187	3.80E-15	3	107	23	121	0.971962617	Pythium_ultimum_var_sporangiferum	Pythium	CBM21_maker-pug3_contig_4988-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_34988011	pyus_34988011_secretred
GH5	275	maker-pug3_contig_501-snap-gene-0.13-mRNA-1	748	8.40E-22	5	178	75	344	0.629090909	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_501-snap-gene-0.13-mRNA-1	Oomycete	pyus	pyus_35010131	pyus_35010131
GT71	264	maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	854	1.50E-33	57	232	343	493	0.662878788	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3501021	pyus_3501021
GT71	264	maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	854	9.30E-32	2	135	184	307	0.503787879	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3501021	pyus_3501021
GT71	264	maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	854	1.30E-24	114	264	632	757	0.568181818	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_501-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3501021	pyus_3501021
PL1	202	maker-pug3_contig_5026-fgenesh-gene-0.0-mRNA-1	208	5.60E-15	16	93	125	198	0.381188119	Pythium_ultimum_var_sporangiferum	Pythium	PL1_maker-pug3_contig_5026-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_35026001	pyus_35026001_secretred
GH5	275	maker-pug3_contig_504-snap-gene-0.14-mRNA-1	562	2.10E-22	3	205	227	513	0.734545455	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_504-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_35040141	pyus_35040141
PL3	197	maker-pug3_contig_5049-fgenesh-gene-0.0-mRNA-1	109	4.10E-26	2	78	31	109	0.385786802	Pythium_ultimum_var_sporangiferum	Pythium	PL3_maker-pug3_contig_5049-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_35049001	pyus_35049001_secretred
GH47	446	maker-pug3_contig_51-snap-gene-0.29-mRNA-1	619	1.40E-121	1	446	173	616	0.997757848	Pythium_ultimum_var_sporangiferum	Pythium	GH47_maker-pug3_contig_51-snap-gene-0.29-mRNA-1	Oomycete	pyus	pyus_3510291	pyus_3510291
GH15	361	maker-pug3_contig_5109-snap-gene-0.1-mRNA-1	166	9.90E-26	74	211	11	155	0.379501385	Pythium_ultimum_var_sporangiferum	Pythium	GH15_maker-pug3_contig_5109-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_35109011	pyus_35109011
GH1	429	maker-pug3_contig_5125-fgenesh-gene-0.0-mRNA-1	202	2.00E-68	3	168	34	202	0.384615385	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_5125-fgenesh-gene-0.0-mRNA-1	Oomycete	pyus	pyus_35125001	pyus_35125001_secretred
GH5	275	maker-pug3_contig_515-snap-gene-0.9-mRNA-1	404	2.90E-26	26	239	141	380	0.774545455	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_515-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3515091	pyus_3515091_secretred
GH1	429	maker-pug3_contig_523-snap-gene-0.12-mRNA-1	365	7.50E-64	174	427	2	287	0.58974359	Pythium_ultimum_var_sporangiferum	Pythium	GH1_maker-pug3_contig_523-snap-gene-0.12-mRNA-1	Oomycete	pyus	pyus_35230121	pyus_35230121
GT96	307	maker-pug3_contig_528-snap-gene-0.14-mRNA-1	564	6.60E-15	1	112	182	302	0.361563518	Pythium_ultimum_var_sporangiferum	Pythium	GT96_maker-pug3_contig_528-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_35280141	pyus_35280141
GT48	739	maker-pug3_contig_532-snap-gene-0.7-mRNA-1	1956	4.60E-272	2	714	642	1386	0.963464141	Pythium_ultimum_var_sporangiferum	Pythium	GT48_maker-pug3_contig_532-snap-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3532071	pyus_3532071
CBM47	128	maker-pug3_contig_542-snap-gene-0.9-mRNA-1	405	8.80E-13	2	60	144	196	0.453125	Pythium_ultimum_var_sporangiferum	Pythium	CBM47_maker-pug3_contig_542-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3542091	pyus_3542091
GH17	311	maker-pug3_contig_547-snap-gene-0.10-mRNA-1	695	6.10E-22	26	306	76	317	0.900321543	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_547-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_35470101	pyus_35470101
GT48	739	maker-pug3_contig_554-snap-gene-0.14-mRNA-1	561	1.80E-187	151	589	134	561	0.592692828	Pythium_ultimum_var_sporangiferum	Pythium	GT48_maker-pug3_contig_554-snap-gene-0.14-mRNA-1	Oomycete	pyus	pyus_35540141	pyus_35540141
CBM47	128	maker-pug3_contig_59-snap-gene-0.20-mRNA-1	1182	0.00000012	25	126	866	997	0.7890625	Pythium_ultimum_var_sporangiferum	Pythium	CBM47_maker-pug3_contig_59-snap-gene-0.20-mRNA-1	Oomycete	pyus	pyus_3590201	pyus_3590201
GH3	216	maker-pug3_contig_594-snap-gene-0.10-mRNA-1	826	3.30E-64	24	215	74	302	0.884259259	Pythium_ultimum_var_sporangiferum	Pythium	GH3_maker-pug3_contig_594-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_35940101	pyus_35940101
GT41	705	snap_masked-pug3_contig_594-abinit-gene-0.17-mRNA-1	783	1.90E-95	122	518	162	768	0.561702128	Pythium_ultimum_var_sporangiferum	Pythium	GT41_snap_masked-pug3_contig_594				

GH5	275	maker-pug3_contig_644-snap-gene-0.4-mRNA-1	363	3.90E-33	25	241	91	348	0.785454546	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_644-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_36440401	pyus_36440401_secretred
CE10	341	maker-pug3_contig_647-snap-gene-0.5-mRNA-1	552	5.30E-34	126	331	339	543	0.601173021	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_647-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_3647051	pyus_3647051
GH13	299	maker-pug3_contig_65-snap-gene-0.16-mRNA-1	896	1.60E-21	30	255	461	763	0.752508361	Pythium_ultimum_var_sporangiferum	Pythium	GH13_maker-pug3_contig_65-snap-gene-0.16-mRNA-1	Oomycete	pyus	pyus_3650161	pyus_3650161_secretred
CBM47	128	maker-pug3_contig_65-snap-gene-0.24-mRNA-1	2279	0.00000015	8	70	1201	1265	0.484375	Pythium_ultimum_var_sporangiferum	Pythium	CBM47_maker-pug3_contig_65-snap-gene-0.24-mRNA-1	Oomycete	pyus	pyus_3650241	pyus_3650241
GH5	275	maker-pug3_contig_664-snap-gene-0.13-mRNA-1	460	3.00E-16	5	241	135	413	0.858181818	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_664-snap-gene-0.13-mRNA-1	Oomycete	pyus	pyus_36640131	pyus_36640131
CE5	189	snap_masked-pug3_contig_670-abinit-gene-0.22-mRNA-1	340	0.00000086	43	175	174	336	0.698412698	Pythium_ultimum_var_sporangiferum	Pythium	CE5_snap_masked-pug3_contig_670-abinit-gene-0.22-mRNA-1	Oomycete	pyus	pyus_36700221	pyus_36700221_secretred
GT58	364	snap_masked-pug3_contig_691-abinit-gene-0.18-mRNA-1	563	1.60E-135	2	364	49	402	0.994505495	Pythium_ultimum_var_sporangiferum	Pythium	GT58_snap_masked-pug3_contig_691-abinit-gene-0.18-mRNA-1	Oomycete	pyus	pyus_36910181	pyus_36910181
GT8	257	maker-pug3_contig_691-snap-gene-0.9-mRNA-1	470	4.10E-11	47	220	1	161	0.673151751	Pythium_ultimum_var_sporangiferum	Pythium	GT8_maker-pug3_contig_691-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3691091	pyus_3691091
GH30	417	maker-pug3_contig_703-fgenesh-gene-0.2-mRNA-1	447	8.40E-71	149	416	135	445	0.64028777	Pythium_ultimum_var_sporangiferum	Pythium	GH30_maker-pug3_contig_703-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3703021	pyus_3703021_secretred
CBM40	179	maker-pug3_contig_71-snap-gene-0.36-mRNA-1	252	0.00053	110	174	146	216	0.357541899	Pythium_ultimum_var_sporangiferum	Pythium	CBM40_maker-pug3_contig_71-snap-gene-0.36-mRNA-1	Oomycete	pyus	pyus_3710361	pyus_3710361
GT2	168	maker-pug3_contig_716-fgenesh-gene-0.1-mRNA-1	1392	0.00000014	105	168	1011	1074	0.375	Pythium_ultimum_var_sporangiferum	Pythium	GT2_maker-pug3_contig_716-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_3716011	pyus_3716011
GT2	168	maker-pug3_contig_716-fgenesh-gene-0.1-mRNA-1	1392	0.00000024	105	168	509	572	0.375	Pythium_ultimum_var_sporangiferum	Pythium	GT2_maker-pug3_contig_716-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_3716011	pyus_3716011
CBM63	78	maker-pug3_contig_721-snap-gene-0.4-mRNA-1	406	0.000018	2	32	142	172	0.384615385	Pythium_ultimum_var_sporangiferum	Pythium	CBM63_maker-pug3_contig_721-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3721041	pyus_3721041
GH109	126	maker-pug3_contig_723-fgenesh-gene-0.2-mRNA-1	333	0.0000068	71	114	68	111	0.341269841	Pythium_ultimum_var_sporangiferum	Pythium	GH109_maker-pug3_contig_723-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3723021	pyus_3723021
GH47	446	maker-pug3_contig_729-fgenesh-gene-0.1-mRNA-1	394	9.90E-114	42	446	1	389	0.905829596	Pythium_ultimum_var_sporangiferum	Pythium	GH47_maker-pug3_contig_729-fgenesh-gene-0.1-mRNA-1	Oomycete	pyus	pyus_3729011	pyus_3729011
CE14	124	maker-pug3_contig_73-fgenesh-gene-0.4-mRNA-1	855	8.00E-13	1	123	613	725	0.983870968	Pythium_ultimum_var_sporangiferum	Pythium	CE14_maker-pug3_contig_73-fgenesh-gene-0.4-mRNA-1	Oomycete	pyus	pyus_373041	pyus_373041
AA6	195	maker-pug3_contig_739-snap-gene-0.13-mRNA-1	184	3.20E-30	1	78	3	82	0.394871795	Pythium_ultimum_var_sporangiferum	Pythium	AA6_maker-pug3_contig_739-snap-gene-0.13-mRNA-1	Oomycete	pyus	pyus_37390131	pyus_37390131
GT2	168	maker-pug3_contig_74-snap-gene-0.24-mRNA-1	204	1.70E-44	1	168	9	179	0.994047619	Pythium_ultimum_var_sporangiferum	Pythium	GT2_maker-pug3_contig_74-snap-gene-0.24-mRNA-1	Oomycete	pyus	pyus_3740241	pyus_3740241
GT41	705	snap_masked-pug3_contig_75-abinit-gene-0.52-mRNA-1	393	0.000000043	25	251	51	299	0.320567376	Pythium_ultimum_var_sporangiferum	Pythium	GT41_snap_masked-pug3_contig_75-abinit-gene-0.52-mRNA-1	Oomycete	pyus	pyus_3750521	pyus_3750521
GT2	168	snap_masked-pug3_contig_773-abinit-gene-0.7-mRNA-1	1068	1.30E-26	3	168	479	745	0.982142857	Pythium_ultimum_var_sporangiferum	Pythium	GT2_snap_masked-pug3_contig_773-abinit-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3773071	pyus_3773071
GT2_Cellulose_synt	722	snap_masked-pug3_contig_773-abinit-gene-0.7-mRNA-1	1068	2.50E-14	416	678	747	1013	0.362880886	Pythium_ultimum_var_sporangiferum	Pythium	GT2_Cellulose_synt_snap_masked-pug3_contig_773-abinit-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3773071	pyus_3773071
GT24	248	maker-pug3_contig_778-snap-gene-0.9-mRNA-1	1648	1.70E-124	1	248	1363	1608	0.995967742	Pythium_ultimum_var_sporangiferum	Pythium	GT24_maker-pug3_contig_778-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3778091	pyus_3778091
CBM13	188	maker-pug3_contig_785-snap-gene-0.6-mRNA-1	110	0.000025	33	117	4	84	0.446808511	Pythium_ultimum_var_sporangiferum	Pythium	CBM13_maker-pug3_contig_785-snap-gene-0.6-mRNA-1	Oomycete	pyus	pyus_3785061	pyus_3785061
GH81	622	maker-pug3_contig_793-snap-gene-0.4-mRNA-1	1033	5.30E-138	71	622	70	705	0.88585209	Pythium_ultimum_var_sporangiferum	Pythium	GH81_maker-pug3_contig_793-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3793041	pyus_3793041_secretred
GH5	275	maker-pug3_contig_80-snap-gene-0.27-mRNA-1	471	3.90E-47	39	245	173	450	0.749090909	Pythium_ultimum_var_sporangiferum	Pythium	GH5_maker-pug3_contig_80-snap-gene-0.27-mRNA-1	Oomycete	pyus	pyus_3800271	pyus_3800271_secretred
GT71	264	maker-pug3_contig_803-snap-gene-0.10-mRNA-1	504	2.00E-45	2	264	163	396	0.992424242	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_803-snap-gene-0.10-mRNA-1	Oomycete	pyus	pyus_38030101	pyus_38030101
GT20	475	maker-pug3_contig_805-snap-gene-0.7-mRNA-1	1028	6.80E-76	220	474	138	397	0.534736842	Pythium_ultimum_var_sporangiferum	Pythium	GT20_maker-pug3_contig_805-snap-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3805071	pyus_3805071
GH16	189	maker-pug3_contig_818-snap-gene-0.8-mRNA-1	976	0.0000012	22	157	42	183	0.714285714	Pythium_ultimum_var_sporangiferum	Pythium	GH16_maker-pug3_contig_818-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3818081	pyus_3818081
GT60	330	maker-pug3_contig_820-snap-gene-0.6-mRNA-1	752	6.70E-89	1	329	426	720	0.993939394	Pythium_ultimum_var_sporangiferum	Pythium	GT60_maker-pug3_contig_820-snap-gene-0.6-mRNA-1	Oomycete	pyus	pyus_3820061	pyus_3820061
CE1	227	maker-pug3_contig_822-fgenesh-gene-0.2-mRNA-1	306	0.000000001	26	175	49	247	0.656387665	Pythium_ultimum_var_sporangiferum	Pythium	CE1_maker-pug3_contig_822-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3822021	pyus_3822021_secretred
GT71	264	maker-pug3_contig_829-snap-gene-0.4-mRNA-1	439	2.10E-11	3	112	104	227	0.412878788	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_829-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3829041	pyus_3829041
GT71	264	maker-pug3_contig_829-snap-gene-0.4-mRNA-1	439	0.000000012	150	256	235	338	0.401515152	Pythium_ultimum_var_sporangiferum	Pythium	GT71_maker-pug3_contig_829-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3829041	pyus_3829041
CBM50	40	maker-pug3_contig_84-snap-gene-0.22-mRNA-1	437	0.000000031	1	39	77	123	0.95	Pythium_ultimum_var_sporangiferum	Pythium	CBM50_maker-pug3_contig_84-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_3840221	pyus_3840221
CBM50	40	maker-pug3_contig_84-snap-gene-0.22-mRNA-1	437	0.00073	3	39	32	76	0.9	Pythium_ultimum_var_sporangiferum	Pythium	CBM50_maker-pug3_contig_84-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_3840221	pyus_3840221
GH18	296	maker-pug3_contig_84-fgenesh-gene-0.3-mRNA-1	398	1.40E-21	82	279	196	389	0.665540541	Pythium_ultimum_var_sporangiferum	Pythium	GH18_maker-pug3_contig_84-fgenesh-gene-0.3-mRNA-1	Oomycete	pyus	pyus_3840311	pyus_3840311
GT20	475	maker-pug3_contig_84-snap-gene-0.31-mRNA-1	1095	3.90E-95	83	332	79	331	0.524210526	Pythium_ultimum_var_sporangiferum	Pythium	GT20_maker-pug3_contig_84-snap-gene-0.31-mRNA-1	Oomycete	pyus	pyus_3840311	pyus_3840311
CBM32	124	maker-pug3_contig_871-snap-gene-0.7-mRNA-1	151	5.60E-11	7	107	13	133	0.806451613	Pythium_ultimum_var_sporangiferum	Pythium	CBM32_maker-pug3_contig_871-snap-gene-0.7-mRNA-1	Oomycete	pyus	pyus_3871071	pyus_3871071
GH3	216	maker-pug3_contig_875-snap-gene-0.3-mRNA-1	741	7.90E-59	8	201	85	286	0.893518519	Pythium_ultimum_var_sporangiferum	Pythium	GH3_maker-pug3_contig_875-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_3875031	pyus_3875031
CE13	355	maker-pug3_contig_884-fgenesh-gene-0.2-mRNA-1	496	3.20E-22	30	163	84	232	0.374647887	Pythium_ultimum_var_sporangiferum	Pythium	CE13_maker-pug3_contig_884-fgenesh-gene-0.2-mRNA-1	Oomycete	pyus	pyus_3884021	pyus_3884021_secretred
GT60	330	maker-pug3_contig_890-snap-gene-0.6-mRNA-1	370	9.70E-19	211	330	120	233	0.360606061	Pythium_ultimum_var_sporangiferum	Pythium	GT60_maker-pug3_contig_890-snap-gene-0.6-mRNA-1	Oomycete	pyus	pyus_3890061	pyus_3890061
GT4	160	maker-pug3_contig_893-snap-gene-0.9-mRNA-1	632	1.50E-28	2	160	445	605	0.9875	Pythium_ultimum_var_sporangiferum	Pythium	GT4_maker-pug3_contig_893-snap-gene-0.9-mRNA-1	Oomycete	pyus	pyus_3893091	pyus_3893091
AA3	618	snap_masked-pug3_contig_902-abinit-gene-0.12-mRNA-1	476	6.00E-33	90	285	18	375	0.315533981	Pythium_ultimum_var_sporangiferum	Pythium	AA3_snap_masked-pug3_contig_902-abinit-gene-0.12-mRNA-1	Oomycete	pyus	pyus_39020121	pyus_39020121
GT4	160	maker-pug3_contig_9-snap-gene-0.22-mRNA-1	1324	3.70E-09	19	123	1114	1234	0.65	Pythium_ultimum_var_sporangiferum	Pythium	GT4_maker-pug3_contig_9-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_390221	pyus_390221
GT41	705	maker-pug3_contig_9-snap-gene-0.22-mRNA-1	1324	5.90E-106	98	541	35	706	0.628368794	Pythium_ultimum_var_sporangiferum	Pythium	GT41_maker-pug3_contig_9-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_390221	pyus_390221
GT20	475	maker-pug3_contig_91-snap-gene-0.22-mRNA-1	253	2.20E-43	13	215	26	252	0.425263158	Pythium_ultimum_var_sporangiferum	Pythium	GT20_maker-pug3_contig_91-snap-gene-0.22-mRNA-1	Oomycete	pyus	pyus_3910221	pyus_3910221
GT20	475	snap_masked-pug3_contig_91-abinit-gene-0.46-mRNA-1	582	2.00E-46	249	473	2	210	0.471578947	Pythium_ultimum_var_sporangiferum	Pythium	GT20_snap_masked-pug3_contig_91-abinit-gene-0.46-mRNA-1	Oomycete	pyus	pyus_3910461	pyus_3910461
GH17	311	maker-pug3_contig_92-snap-gene-0.18-mRNA-1	313	1.10E-18	2	287	27	291	0.916398714	Pythium_ultimum_var_sporangiferum	Pythium	GH17_maker-pug3_contig_92-snap-gene-0.18-mRNA-1	Oomycete	pyus	pyus_3920181	pyus_3920181_secretred
CE10	341	maker-pug3_contig_928-fgenesh-gene-0.4-mRNA-1	518	1.90E-10	75	219	249	387	0.42228739	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_928-fgenesh-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3928041	pyus_3928041
GH72	312	maker-pug3_contig_931-snap-gene-0.4-mRNA-1	487	1.70E-66	4	284	28	350	0.897435897	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_931-snap-gene-0.4-mRNA-1	Oomycete	pyus	pyus_3931041	pyus_3931041_secretred
GH72	312	maker-pug3_contig_931-snap-gene-0.8-mRNA-1	338	6.60E-32	5	133	31	176	0.41025641	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_931-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3931081	pyus_3931081_secretred
GH72	312	maker-pug3_contig_931-snap-gene-0.8-mRNA-1	338	7.70E-17	191	289	170	286	0.314102564	Pythium_ultimum_var_sporangiferum	Pythium	GH72_maker-pug3_contig_931-snap-gene-0.8-mRNA-1	Oomycete	pyus	pyus_3931081	pyus_3931081_secretred
CE10	341	maker-pug3_contig_949-snap-gene-0.3-mRNA-1	383	1.90E-31	130	335	181	375	0.601173021	Pythium_ultimum_var_sporangiferum	Pythium	CE10_maker-pug3_contig_949-snap-gene-0.3-mRNA-1	Oomycete	pyus	pyus_3949031	pyus_3949031
AA6	195	maker-pug3_contig_95-snap-gene-0.36-mRNA-1	225	4.00E-18	4	140	56	176	0.697435897	Pythium_ultimum_var_sporangiferum	Pythium	AA6_maker-pug3_contig_95-snap-gene-0.36-mRNA-1	Oomycete	pyus	pyus_3950361	pyus_3950361
GH6	294	maker-pug3_contig_958-snap-gene-0.5-mRNA-1	255	1.20E-14	17	122	40	142	0.357142857	Pythium_ultimum_var_sporangiferum	Pythium	GH6_maker-pug3_contig_958-snap-gene-0.5-mRNA-1	Oomycete	pyus	pyus_3958051	pyus_3958051_secretred
GH81	622	maker-pug3_contig_98-snap-gene-0.19-mRNA-1	733	3.00E-138	60	622	93	713	0.903536978	Pythium_ultimum_var_sporangiferum	Pythium	GH81_maker-pug3_contig_98-snap-gene-0.19-mRNA-1	Oomycete	pyus	pyus_3980191	pyus_3980191
AA8	815	maker-pug3_contig_993-snap-gene-0.1-mRNA-1	727	3.50E-71	236	691	20	475	0.558282209	Pythium_ultimum_var_sporangiferum	Pythium	AA8_maker-pug3_contig_993-snap-gene-0.1-mRNA-1	Oomycete	pyus	pyus_3993011	pyus_3993011_secretred
GH109	126	PYU1_T000002	363	3.90E-10	1	126	31	146	0.992063492	Pythium_ultimum_var_ultimum	Pythium	GH109_PYU1_T000002	Oomycete	pyuu	pyuu_T000002	pyuu_T000002
GT20	475	PYU1_T000005	860	3.90E-												

GT48	739	PYU1_T000548	1611	3.90E-272	2	718	837	1585	0.968876861	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T000548	Oomycete	pyuu	pyuu_T000548	pyuu_T000548
GT48	739	PYU1_T000567	1935	4.60E-175	166	607	970	1404	0.596752368	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T000567	Oomycete	pyuu	pyuu_T000567	pyuu_T000567
GH109	126	PYU1_T000623	348	0.00000059	71	120	68	117	0.388888889	Pythium_ultimum_var_ultimum	Pythium	GH109_PYU1_T000623	Oomycete	pyuu	pyuu_T000623	pyuu_T000623
GT83	540	PYU1_T000634	431	0.000001	349	520	198	363	0.316666667	Pythium_ultimum_var_ultimum	Pythium	GT83_PYU1_T000634	Oomycete	pyuu	pyuu_T000634	pyuu_T000634
CE3	194	PYU1_T000729	265	8.70E-09	64	189	104	233	0.644329897	Pythium_ultimum_var_ultimum	Pythium	CE3_PYU1_T000729	Oomycete	pyuu	pyuu_T000729	pyuu_T000729
GT48	739	PYU1_T000747	2034	4.30E-262	3	709	1074	1746	0.955345061	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T000747	Oomycete	pyuu	pyuu_T000747	pyuu_T000747
GH72	312	PYU1_T000770	555	2.40E-73	7	310	34	385	0.971153846	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T000770	Oomycete	pyuu	pyuu_T000770	pyuu_T000770
GH3	216	PYU1_T000791	789	1.60E-56	7	203	73	280	0.907407407	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T000791	Oomycete	pyuu	pyuu_T000791	pyuu_T000791
GH30	417	PYU1_T000842	493	2.30E-62	9	416	11	488	0.976019185	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T000842	Oomycete	pyuu	pyuu_T000842	pyuu_T000842
CE1	227	PYU1_T000863	342	0.000021	56	140	104	182	0.370044053	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T000863	Oomycete	pyuu	pyuu_T000863	pyuu_T000863
GT59	404	PYU1_T000887	390	1.80E-98	3	390	27	390	0.957920792	Pythium_ultimum_var_ultimum	Pythium	GT59_PYU1_T000887	Oomycete	pyuu	pyuu_T000887	pyuu_T000887
GH3	216	PYU1_T000955	769	2.30E-60	5	215	115	336	0.972222222	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T000955	Oomycete	pyuu	pyuu_T000955	pyuu_T000955_secreted
GH3	216	PYU1_T000957	479	9.70E-59	5	199	115	311	0.898148148	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T000957	Oomycete	pyuu	pyuu_T000957	pyuu_T000957_secreted
GH28	325	PYU1_T001030	367	1.70E-60	23	317	47	366	0.904615385	Pythium_ultimum_var_ultimum	Pythium	GH28_PYU1_T001030	Oomycete	pyuu	pyuu_T001030	pyuu_T001030_secreted
GH28	325	PYU1_T001031	367	7.40E-60	23	317	47	366	0.904615385	Pythium_ultimum_var_ultimum	Pythium	GH28_PYU1_T001031	Oomycete	pyuu	pyuu_T001031	pyuu_T001031_secreted
GT22	389	PYU1_T001042	504	2.10E-114	3	389	16	425	0.992287918	Pythium_ultimum_var_ultimum	Pythium	GT22_PYU1_T001042	Oomycete	pyuu	pyuu_T001042	pyuu_T001042
PL3	197	PYU1_T001053	245	2.80E-69	2	191	31	223	0.959390863	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T001053	Oomycete	pyuu	pyuu_T001053	pyuu_T001053_secreted
GH3	216	PYU1_T001061	741	7.60E-59	8	201	85	286	0.893518519	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T001061	Oomycete	pyuu	pyuu_T001061	pyuu_T001061
GT4	160	PYU1_T001074	532	8.50E-16	7	128	300	436	0.75625	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T001074	Oomycete	pyuu	pyuu_T001074	pyuu_T001074
GT20	475	PYU1_T001112	985	5.80E-198	11	474	125	601	0.974736842	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T001112	Oomycete	pyuu	pyuu_T001112	pyuu_T001112
GH5	275	PYU1_T001170	233	1.50E-24	5	147	44	224	0.516363636	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T001170	Oomycete	pyuu	pyuu_T001170	pyuu_T001170_secreted
CE10	341	PYU1_T001189	340	0.00000083	81	244	26	197	0.478005865	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T001189	Oomycete	pyuu	pyuu_T001189	pyuu_T001189
GH47	446	PYU1_T001220	709	3.60E-130	1	444	16	491	0.993273543	Pythium_ultimum_var_ultimum	Pythium	GH47_PYU1_T001220	Oomycete	pyuu	pyuu_T001220	pyuu_T001220
GT20	475	PYU1_T001225	1241	3.30E-129	6	475	299	799	0.987368421	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T001225	Oomycete	pyuu	pyuu_T001225	pyuu_T001225
GT1	382	PYU1_T001269	1044	7.50E-49	96	377	234	547	0.735602094	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T001269	Oomycete	pyuu	pyuu_T001269	pyuu_T001269
GT1	382	PYU1_T001269	1044	1.80E-09	243	362	734	868	0.311518325	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T001269	Oomycete	pyuu	pyuu_T001269	pyuu_T001269
GT1	382	PYU1_T001273	1453	9.80E-50	94	376	223	537	0.738219895	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T001273	Oomycete	pyuu	pyuu_T001273	pyuu_T001273
GT1	382	PYU1_T001273	1453	2.20E-18	85	375	950	1280	0.759162304	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T001273	Oomycete	pyuu	pyuu_T001273	pyuu_T001273
GH16	189	PYU1_T001308	1030	0.00000082	21	157	74	216	0.71957672	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T001308	Oomycete	pyuu	pyuu_T001308	pyuu_T001308
CBM25	78	PYU1_T001346	740	8.50E-16	4	77	39	115	0.935897436	Pythium_ultimum_var_ultimum	Pythium	CBM25_PYU1_T001346	Oomycete	pyuu	pyuu_T001346	pyuu_T001346_secreted
GH13	299	PYU1_T001346	740	1.10E-20	23	273	296	635	0.836120401	Pythium_ultimum_var_ultimum	Pythium	GH13_PYU1_T001346	Oomycete	pyuu	pyuu_T001346	pyuu_T001346_secreted
AA6	195	PYU1_T001466	202	3.30E-79	1	195	3	198	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T001466	Oomycete	pyuu	pyuu_T001466	pyuu_T001466
GH5	275	PYU1_T001495	391	2.60E-37	25	241	86	376	0.785454546	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T001495	Oomycete	pyuu	pyuu_T001495	pyuu_T001495_secreted
GH5	275	PYU1_T001496	353	7.30E-37	24	237	56	333	0.774545455	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T001496	Oomycete	pyuu	pyuu_T001496	pyuu_T001496
CE11	271	PYU1_T001506	345	2.80E-74	1	270	7	332	0.992619926	Pythium_ultimum_var_ultimum	Pythium	CE11_PYU1_T001506	Oomycete	pyuu	pyuu_T001506	pyuu_T001506
AA9	220	PYU1_T001515	284	0.00000028	2	201	9	203	0.904545455	Pythium_ultimum_var_ultimum	Pythium	AA9_PYU1_T001515	Oomycete	pyuu	pyuu_T001515	pyuu_T001515_secreted
GH123	538	PYU1_T001558	853	7.10E-65	100	514	281	775	0.769516729	Pythium_ultimum_var_ultimum	Pythium	GH123_PYU1_T001558	Oomycete	pyuu	pyuu_T001558	pyuu_T001558
CE14	124	PYU1_T001585	239	0.00054	22	80	45	107	0.467741936	Pythium_ultimum_var_ultimum	Pythium	CE14_PYU1_T001585	Oomycete	pyuu	pyuu_T001585	pyuu_T001585
AA4	522	PYU1_T001598	510	1.30E-17	28	197	60	228	0.323754789	Pythium_ultimum_var_ultimum	Pythium	AA4_PYU1_T001598	Oomycete	pyuu	pyuu_T001598	pyuu_T001598
GT71	264	PYU1_T001605	461	5.20E-22	2	235	244	454	0.882575758	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T001605	Oomycete	pyuu	pyuu_T001605	pyuu_T001605
GT71	264	PYU1_T001609	642	9.00E-53	2	264	297	526	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T001609	Oomycete	pyuu	pyuu_T001609	pyuu_T001609
GT71	264	PYU1_T001610	586	9.30E-53	2	264	249	477	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T001610	Oomycete	pyuu	pyuu_T001610	pyuu_T001610
GH5	275	PYU1_T001658	492	6.10E-30	5	239	92	441	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T001658	Oomycete	pyuu	pyuu_T001658	pyuu_T001658_secreted
GH5	275	PYU1_T001660	517	1.20E-30	5	239	118	467	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T001660	Oomycete	pyuu	pyuu_T001660	pyuu_T001660
GT71	264	PYU1_T001664	592	1.10E-50	2	264	250	479	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T001664	Oomycete	pyuu	pyuu_T001664	pyuu_T001664
GH16	189	PYU1_T001777	341	0.00000028	4	97	96	266	0.492063492	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T001777	Oomycete	pyuu	pyuu_T001777	pyuu_T001777_secreted
GT4	160	PYU1_T001861	1386	2.10E-09	19	123	1187	1307	0.65	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T001861	Oomycete	pyuu	pyuu_T001861	pyuu_T001861
GT41	705	PYU1_T001861	1386	4.80E-107	115	524	85	735	0.580141844	Pythium_ultimum_var_ultimum	Pythium	GT41_PYU1_T001861	Oomycete	pyuu	pyuu_T001861	pyuu_T001861
CBM38	129	PYU1_T001923	1101	1.20E-20	27	128	668	766	0.782945736	Pythium_ultimum_var_ultimum	Pythium	CBM38_PYU1_T001923	Oomycete	pyuu	pyuu_T001923	pyuu_T001923
CBM38	129	PYU1_T001923	1101	0.000015	4	62	590	666	0.449612403	Pythium_ultimum_var_ultimum	Pythium	CBM38_PYU1_T001923	Oomycete	pyuu	pyuu_T001923	pyuu_T001923
GH35	307	PYU1_T001938	715	2.70E-88	1	293	133	425	0.951140065	Pythium_ultimum_var_ultimum	Pythium	GH35_PYU1_T001938	Oomycete	pyuu	pyuu_T001938	pyuu_T001938
GH131	255	PYU1_T001944	167	1.80E-11	49	133	74	150	0.329411765	Pythium_ultimum_var_ultimum	Pythium	GH131_PYU1_T001944	Oomycete	pyuu	pyuu_T001944	pyuu_T001944_secreted
GH131	255	PYU1_T001945	242	7.20E-23	40	222	63	233	0.71372549	Pythium_ultimum_var_ultimum	Pythium	GH131_PYU1_T001945	Oomycete	pyuu	pyuu_T001945	pyuu_T001945_secreted
GH131	255	PYU1_T001949	223	6.70E-19	45	224	51	214	0.701960784	Pythium_ultimum_var_ultimum	Pythium	GH131_PYU1_T001949	Oomycete	pyuu	pyuu_T001949	pyuu_T001949_secreted
GT31	192	PYU1_T001992	359	2.20E-31	36	191	1	162	0.807291667	Pythium_ultimum_var_ultimum	Pythium	GT31_PYU1_T001992	Oomycete	pyuu	pyuu_T001992	pyuu_T001992
GH1	429	PYU1_T002039	477	3.40E-174	4	428	6	472	0.988344988	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T002039	Oomycete	pyuu	pyuu_T002039	pyuu_T002039
GH81	622	PYU1_T002046	746	3.90E-181	16	621	80	740	0.97266881	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T002046	Oomycete	pyuu	pyuu_T002046	pyuu_T002046_secreted
CE1	227	PYU1_T002138	348	8.90E-10	10	209	75	324	0.876651982	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T002138	Oomycete	pyuu	pyuu_T002138	pyuu_T002138
CE4	130	PYU1_T002186	279	4.90E-21	5	127	50	215	0.938461539	Pythium_ultimum_var_ultimum	Pythium	CE4_PYU1_T002186	Oomycete	pyuu	pyuu_T002186	pyuu_T002186
GH81	622	PYU1_T002274	345	2.80E-111	305	621	13	334	0.508038585	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T002274	Oomycete	pyuu	pyuu_T002274	pyuu_T002274
CE1	227	PYU1_T002292	533	0.000000034	12	140	238	358	0.563876652	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T002292	Oomycete	pyuu	pyuu_T002292	pyuu_T002292
GH81	622	PYU1_T002299	821	4.60E-177	15	621	114	782	0.974276527	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T002299	Oomycete	pyuu	pyuu_T002299	pyuu_T002299_secreted
GT48	739	PYU1_T002377	2047	4.40E-277	3	713	1135	1863	0.960757781	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T002377	Oomycete	pyuu	pyuu_T002377	pyuu_T002377
GT48	739	PYU1_T002378	2033	2.90E-283	3	710	1122	1847	0.956698241	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T002378	Oomycete	pyuu	pyuu_T002378	pyuu_T002378
PL1	202	PYU1_T002412	406	1.90E-38	23	201	125	322	0.881188119	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T002412	Oomycete	pyuu	pyuu_T002412	pyuu_T002412_secreted
PL1	202	PYU1_T002413	405	6.80E-40	21	201	122	321	0.891089109	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T002413	Oomycete	pyuu	pyuu_T002413	

PL1	202	PYU1_T002420	398	3.20E-41	15	200	115	313	0.915841584	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T002420	Oomycete	pyuu	pyuu_T002420	pyuu_T002420_secreted
PL1	202	PYU1_T002421	372	1.10E-23	16	153	125	274	0.678217822	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T002421	Oomycete	pyuu	pyuu_T002421	pyuu_T002421_secreted
GH5	275	PYU1_T002514	578	7.20E-29	5	241	182	531	0.858181818	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T002514	Oomycete	pyuu	pyuu_T002514	pyuu_T002514
GH5	275	PYU1_T002515	595	2.10E-30	5	238	191	544	0.847272727	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T002515	Oomycete	pyuu	pyuu_T002515	pyuu_T002515
AA6	195	PYU1_T002527	199	2.10E-79	1	195	3	196	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T002527	Oomycete	pyuu	pyuu_T002527	pyuu_T002527
GT8	257	PYU1_T002538	266	5.30E-43	29	255	8	241	0.879377432	Pythium_ultimum_var_ultimum	Pythium	GT8_PYU1_T002538	Oomycete	pyuu	pyuu_T002538	pyuu_T002538
PL3	197	PYU1_T002541	254	4.60E-72	2	194	31	226	0.974619289	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T002541	Oomycete	pyuu	pyuu_T002541	pyuu_T002541_secreted
PL3	197	PYU1_T002542	254	1.20E-73	2	195	31	227	0.979695432	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T002542	Oomycete	pyuu	pyuu_T002542	pyuu_T002542_secreted
GH5	275	PYU1_T002587	559	1.20E-37	4	236	161	519	0.843636364	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T002587	Oomycete	pyuu	pyuu_T002587	pyuu_T002587
GT2	168	PYU1_T002606	1030	1.60E-11	2	108	350	537	0.630952381	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T002606	Oomycete	pyuu	pyuu_T002606	pyuu_T002606
GT2	168	PYU1_T002606	1030	0.000000098	105	168	649	712	0.375	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T002606	Oomycete	pyuu	pyuu_T002606	pyuu_T002606
GT2	168	PYU1_T002607	1060	1.80E-11	2	108	381	568	0.630952381	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T002607	Oomycete	pyuu	pyuu_T002607	pyuu_T002607
GT2	168	PYU1_T002607	1060	0.000000072	105	168	680	743	0.375	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T002607	Oomycete	pyuu	pyuu_T002607	pyuu_T002607
GT2	168	PYU1_T002632	241	2.70E-44	1	168	9	179	0.994047619	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T002632	Oomycete	pyuu	pyuu_T002632	pyuu_T002632
GT22	389	PYU1_T002642	587	2.90E-94	2	389	38	468	0.994858612	Pythium_ultimum_var_ultimum	Pythium	GT22_PYU1_T002642	Oomycete	pyuu	pyuu_T002642	pyuu_T002642
CBM32	124	PYU1_T002645	196	2.30E-10	17	110	23	144	0.75	Pythium_ultimum_var_ultimum	Pythium	CBM32_PYU1_T002645	Oomycete	pyuu	pyuu_T002645	pyuu_T002645
AA8	815	PYU1_T002783	785	4.50E-80	234	765	18	544	0.651533742	Pythium_ultimum_var_ultimum	Pythium	AA8_PYU1_T002783	Oomycete	pyuu	pyuu_T002783	pyuu_T002783_secreted
AA8	815	PYU1_T002800	852	5.90E-79	246	782	2	533	0.657668712	Pythium_ultimum_var_ultimum	Pythium	AA8_PYU1_T002800	Oomycete	pyuu	pyuu_T002800	pyuu_T002800
GH5	275	PYU1_T002812	638	6.80E-31	3	237	244	582	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T002812	Oomycete	pyuu	pyuu_T002812	pyuu_T002812
GH109	126	PYU1_T002890	349	1.20E-12	2	121	11	121	0.944444444	Pythium_ultimum_var_ultimum	Pythium	GH109_PYU1_T002890	Oomycete	pyuu	pyuu_T002890	pyuu_T002890
GH109	126	PYU1_T002893	353	1.20E-12	2	121	11	121	0.944444444	Pythium_ultimum_var_ultimum	Pythium	GH109_PYU1_T002893	Oomycete	pyuu	pyuu_T002893	pyuu_T002893
GH109	126	PYU1_T002901	352	1.20E-12	2	121	11	121	0.944444444	Pythium_ultimum_var_ultimum	Pythium	GH109_PYU1_T002901	Oomycete	pyuu	pyuu_T002901	pyuu_T002901
CBM47	128	PYU1_T002928	931	0.000000011	25	126	584	715	0.7890625	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T002928	Oomycete	pyuu	pyuu_T002928	pyuu_T002928
GT41	705	PYU1_T003025	657	1.90E-85	107	500	8	527	0.557446809	Pythium_ultimum_var_ultimum	Pythium	GT41_PYU1_T003025	Oomycete	pyuu	pyuu_T003025	pyuu_T003025
CE5	189	PYU1_T003056	344	0.00000026	65	175	194	336	0.582010582	Pythium_ultimum_var_ultimum	Pythium	CE5_PYU1_T003056	Oomycete	pyuu	pyuu_T003056	pyuu_T003056_secreted
GT33	425	PYU1_T003150	479	1.50E-163	2	424	31	471	0.992941177	Pythium_ultimum_var_ultimum	Pythium	GT33_PYU1_T003150	Oomycete	pyuu	pyuu_T003150	pyuu_T003150
CE1	227	PYU1_T003153	246	5.60E-11	14	208	38	228	0.854625551	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T003153	Oomycete	pyuu	pyuu_T003153	pyuu_T003153
CE1	227	PYU1_T003154	232	3.70E-12	23	211	18	208	0.828193833	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T003154	Oomycete	pyuu	pyuu_T003154	pyuu_T003154
CBM1	29	PYU1_T003169	112	0.00000021	1	29	78	108	0.965517241	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T003169	Oomycete	pyuu	pyuu_T003169	pyuu_T003169_secreted
CBM1	29	PYU1_T003169	112	0.00001	11	29	50	68	0.620689655	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T003169	Oomycete	pyuu	pyuu_T003169	pyuu_T003169_secreted
CBM1	29	PYU1_T003170	112	0.000047	1	29	78	108	0.965517241	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T003170	Oomycete	pyuu	pyuu_T003170	pyuu_T003170_secreted
CBM1	29	PYU1_T003171	330	3.10E-14	1	29	254	282	0.965517241	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T003171	Oomycete	pyuu	pyuu_T003171	pyuu_T003171_secreted
CBM1	29	PYU1_T003171	330	3.70E-09	2	29	191	220	0.931034483	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T003171	Oomycete	pyuu	pyuu_T003171	pyuu_T003171_secreted
GH31	427	PYU1_T003173	1002	1.10E-148	2	427	405	869	0.995316159	Pythium_ultimum_var_ultimum	Pythium	GH31_PYU1_T003173	Oomycete	pyuu	pyuu_T003173	pyuu_T003173_secreted
CE1	227	PYU1_T003273	528	2.70E-20	8	219	197	519	0.929515419	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T003273	Oomycete	pyuu	pyuu_T003273	pyuu_T003273
CBM13	188	PYU1_T003429	1806	5.50E-11	8	132	7	126	0.659574468	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T003429	Oomycete	pyuu	pyuu_T003429	pyuu_T003429
CBM13	188	PYU1_T003429	1806	7.50E-11	12	111	97	186	0.526595745	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T003429	Oomycete	pyuu	pyuu_T003429	pyuu_T003429
CBM13	188	PYU1_T003429	1806	5.60E-10	14	111	230	318	0.515957447	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T003429	Oomycete	pyuu	pyuu_T003429	pyuu_T003429
GT8	257	PYU1_T003438	534	6.30E-29	37	246	74	282	0.813229572	Pythium_ultimum_var_ultimum	Pythium	GT8_PYU1_T003438	Oomycete	pyuu	pyuu_T003438	pyuu_T003438
CE10	341	PYU1_T003453	773	1.40E-09	43	206	490	675	0.478005865	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T003453	Oomycete	pyuu	pyuu_T003453	pyuu_T003453
GT2	168	PYU1_T003459	880	0.00066	13	88	626	702	0.446428571	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T003459	Oomycete	pyuu	pyuu_T003459	pyuu_T003459
GT41	705	PYU1_T003459	880	6.20E-50	192	520	24	408	0.465248227	Pythium_ultimum_var_ultimum	Pythium	GT41_PYU1_T003459	Oomycete	pyuu	pyuu_T003459	pyuu_T003459
GH1	429	PYU1_T003475	590	1.90E-136	3	427	34	515	0.988344988	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T003475	Oomycete	pyuu	pyuu_T003475	pyuu_T003475
GH1	429	PYU1_T003476	593	5.50E-135	3	427	34	515	0.988344988	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T003476	Oomycete	pyuu	pyuu_T003476	pyuu_T003476
GH81	622	PYU1_T003498	422	3.70E-51	16	316	64	421	0.482315113	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T003498	Oomycete	pyuu	pyuu_T003498	pyuu_T003498_secreted
GH81	622	PYU1_T003512	808	4.90E-182	16	621	129	801	0.97266881	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T003512	Oomycete	pyuu	pyuu_T003512	pyuu_T003512
CE10	341	PYU1_T003515	520	6.20E-33	65	200	91	240	0.395894428	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T003515	Oomycete	pyuu	pyuu_T003515	pyuu_T003515_secreted
SLH	42	PYU1_T003536	466	0.00034	7	29	293	315	0.523809524	Pythium_ultimum_var_ultimum	Pythium	SLH_PYU1_T003536	Oomycete	pyuu	pyuu_T003536	pyuu_T003536_secreted
SLH	42	PYU1_T003553	467	0.00064	6	29	295	318	0.547619048	Pythium_ultimum_var_ultimum	Pythium	SLH_PYU1_T003553	Oomycete	pyuu	pyuu_T003553	pyuu_T003553_secreted
GH5	275	PYU1_T003622	534	1.30E-19	4	235	133	484	0.84	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T003622	Oomycete	pyuu	pyuu_T003622	pyuu_T003622
GH1	429	PYU1_T003755	475	4.20E-171	4	428	6	472	0.988344988	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T003755	Oomycete	pyuu	pyuu_T003755	pyuu_T003755
GH17	311	PYU1_T003928	413	2.40E-25	11	306	39	293	0.948553055	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T003928	Oomycete	pyuu	pyuu_T003928	pyuu_T003928_secreted
GT4	160	PYU1_T004027	455	4.70E-41	6	149	260	415	0.89375	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T004027	Oomycete	pyuu	pyuu_T004027	pyuu_T004027
CE10	341	PYU1_T004043	282	2.50E-36	78	341	30	281	0.771260997	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T004043	Oomycete	pyuu	pyuu_T004043	pyuu_T004043
CE1	227	PYU1_T004063	315	3.30E-12	25	149	48	249	0.546255507	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T004063	Oomycete	pyuu	pyuu_T004063	pyuu_T004063_secreted
CE1	227	PYU1_T004064	306	1.20E-09	27	149	50	248	0.537444934	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T004064	Oomycete	pyuu	pyuu_T004064	pyuu_T004064
GT60	330	PYU1_T004073	625	5.10E-91	1	329	299	593	0.993939394	Pythium_ultimum_var_ultimum	Pythium	GT60_PYU1_T004073	Oomycete	pyuu	pyuu_T004073	pyuu_T004073
AA2	255	PYU1_T004167	345	1.80E-59	8	253	73	325	0.960784314	Pythium_ultimum_var_ultimum	Pythium	AA2_PYU1_T004167	Oomycete	pyuu	pyuu_T004167	pyuu_T004167
GH43	248	PYU1_T004202	320	1.90E-41	2	247	22	318	0.987903226	Pythium_ultimum_var_ultimum	Pythium	GH43_PYU1_T004202	Oomycete	pyuu	pyuu_T004202	pyuu_T004202_secreted
GH43	248	PYU1_T004204	320	1.50E-41	2	247	22	318	0.987903226	Pythium_ultimum_var_ultimum	Pythium	GH43_PYU1_T004204	Oomycete	pyuu	pyuu_T004204	pyuu_T004204_secreted
GT66	693	PYU1_T004314	895	3.30E-170	10	603	71	702	0.855699856	Pythium_ultimum_var_ultimum	Pythium	GT66_PYU1_T004314	Oomycete	pyuu	pyuu_T004314	pyuu_T004314
CBM50	40	PYU1_T004426	336	0.000000016	2	39	291	332	0.925	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T004426	Oomycete	pyuu	pyuu_T004426	pyuu_T004426
GH53	342	PYU1_T004531	357	1.50E-78	2	333	24	339	0.967836257	Pythium_ultimum_var_ultimum	Pythium	GH53_PYU1_T004531	Oomycete	pyuu	pyuu_T004531	pyuu_T004531_secreted
GH53	342	PYU1_T004532	360	7.30E-73	1	332	26	341	0.967836257	Pythium_ultimum_var_ultimum	Pythium	GH53_PYU1_T004532	Oomycete	pyuu	pyuu_T004532	pyuu_T004532_secreted
GT58	364	PYU1_T004607	563	2.10E-135	3	364	50	402	0.991758242	Pythium_ultimum_var_ultimum	Pythium	GT58_PYU1_T004607	Oomycete	pyuu	pyuu_T004607	pyuu_T004607
GT8	257	PYU1_T004610	559	1.20E-13	39	220	60	228	0.704280156	Pythium_ultimum_var_ultimum	Pythium	GT8_PYU1_T004610	Oomycete	pyuu	pyuu_T004610	pyuu_T004610
GT71	264	PYU1_T004633	370	9.40E-41	17											

GH17	311	PYU1_T004665	407	1.10E-19	22	306	75	321	0.91318328	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T004665	Oomycete	pyuu	pyuu_T004665	pyuu_T004665_secreted
PL4	567	PYU1_T004680	542	1.80E-97	7	561	24	524	0.977077231	Pythium_ultimum_var_ultimum	Pythium	PL4_PYU1_T004680	Oomycete	pyuu	pyuu_T004680	pyuu_T004680_secreted
PL4	567	PYU1_T004681	543	3.60E-103	3	565	21	531	0.991181658	Pythium_ultimum_var_ultimum	Pythium	PL4_PYU1_T004681	Oomycete	pyuu	pyuu_T004681	pyuu_T004681_secreted
GT20	475	PYU1_T004686	917	6.40E-75	233	474	3	244	0.507368421	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T004686	Oomycete	pyuu	pyuu_T004686	pyuu_T004686
GT20	475	PYU1_T004687	165	2.10E-42	40	183	4	165	0.301052632	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T004687	Oomycete	pyuu	pyuu_T004687	pyuu_T004687
GT71	264	PYU1_T004703	659	1.20E-46	2	264	195	425	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T004703	Oomycete	pyuu	pyuu_T004703	pyuu_T004703
GT71	264	PYU1_T004708	592	3.20E-52	2	264	200	430	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T004708	Oomycete	pyuu	pyuu_T004708	pyuu_T004708
AA4	522	PYU1_T004738	512	1.70E-20	18	196	50	228	0.340996169	Pythium_ultimum_var_ultimum	Pythium	AA4_PYU1_T004738	Oomycete	pyuu	pyuu_T004738	pyuu_T004738
GH47	446	PYU1_T004760	1116	9.00E-133	1	446	191	616	0.997757848	Pythium_ultimum_var_ultimum	Pythium	GH47_PYU1_T004760	Oomycete	pyuu	pyuu_T004760	pyuu_T004760
GT4	160	PYU1_T004970	583	1.40E-27	2	160	396	556	0.9875	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T004970	Oomycete	pyuu	pyuu_T004970	pyuu_T004970_secreted
GT1	382	PYU1_T005005	661	9.20E-24	86	379	231	568	0.767015707	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T005005	Oomycete	pyuu	pyuu_T005005	pyuu_T005005
CBM63	78	PYU1_T005008	154	9.40E-10	4	69	75	139	0.833333333	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T005008	Oomycete	pyuu	pyuu_T005008	pyuu_T005008
CBM63	78	PYU1_T005009	216	0.000009	4	68	138	201	0.820512821	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T005009	Oomycete	pyuu	pyuu_T005009	pyuu_T005009_secreted
CBM63	78	PYU1_T005010	216	0.000009	4	68	138	201	0.820512821	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T005010	Oomycete	pyuu	pyuu_T005010	pyuu_T005010_secreted
CBM63	78	PYU1_T005011	211	1.90E-09	4	69	132	196	0.833333333	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T005011	Oomycete	pyuu	pyuu_T005011	pyuu_T005011_secreted
GT96	307	PYU1_T005036	461	3.80E-17	1	222	84	322	0.719869707	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T005036	Oomycete	pyuu	pyuu_T005036	pyuu_T005036
GH6	294	PYU1_T005056	365	6.90E-53	17	290	40	294	0.928571429	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005056	Oomycete	pyuu	pyuu_T005056	pyuu_T005056_secreted
GH6	294	PYU1_T005058	504	3.40E-57	11	289	32	289	0.945578231	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005058	Oomycete	pyuu	pyuu_T005058	pyuu_T005058
GH6	294	PYU1_T005070	639	1.90E-55	11	290	42	298	0.948979592	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005070	Oomycete	pyuu	pyuu_T005070	pyuu_T005070
GH6	294	PYU1_T005071	155	0.000000011	14	107	26	113	0.316326531	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005071	Oomycete	pyuu	pyuu_T005071	pyuu_T005071
GH6	294	PYU1_T005072	554	1.40E-57	11	289	39	290	0.945578231	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005072	Oomycete	pyuu	pyuu_T005072	pyuu_T005072_secreted
GH6	294	PYU1_T005073	308	2.20E-63	13	289	40	293	0.93877551	Pythium_ultimum_var_ultimum	Pythium	GH6_PYU1_T005073	Oomycete	pyuu	pyuu_T005073	pyuu_T005073_secreted
GH16	189	PYU1_T005088	331	3.80E-10	127	189	51	164	0.328042328	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T005088	Oomycete	pyuu	pyuu_T005088	pyuu_T005088
GH17	311	PYU1_T005135	407	3.20E-18	2	304	32	285	0.971061093	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T005135	Oomycete	pyuu	pyuu_T005135	pyuu_T005135_secreted
GT32	90	PYU1_T005199	292	3.00E-12	51	88	90	127	0.411111111	Pythium_ultimum_var_ultimum	Pythium	GT32_PYU1_T005199	Oomycete	pyuu	pyuu_T005199	pyuu_T005199
AA7	458	PYU1_T005201	567	8.80E-09	5	184	77	268	0.390829694	Pythium_ultimum_var_ultimum	Pythium	AA7_PYU1_T005201	Oomycete	pyuu	pyuu_T005201	pyuu_T005201
CBM47	128	PYU1_T005250	2275	0.00000023	8	70	1197	1261	0.484375	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T005250	Oomycete	pyuu	pyuu_T005250	pyuu_T005250
GH13	299	PYU1_T005252	896	1.50E-21	30	255	461	763	0.752508361	Pythium_ultimum_var_ultimum	Pythium	GH13_PYU1_T005252	Oomycete	pyuu	pyuu_T005252	pyuu_T005252_secreted
GT57	481	PYU1_T005264	521	4.40E-141	2	480	34	499	0.993762994	Pythium_ultimum_var_ultimum	Pythium	GT57_PYU1_T005264	Oomycete	pyuu	pyuu_T005264	pyuu_T005264
AA4	522	PYU1_T005278	504	1.40E-21	17	249	40	260	0.444444444	Pythium_ultimum_var_ultimum	Pythium	AA4_PYU1_T005278	Oomycete	pyuu	pyuu_T005278	pyuu_T005278
GH31	427	PYU1_T005352	1010	1.60E-108	1	427	275	714	0.99765808	Pythium_ultimum_var_ultimum	Pythium	GH31_PYU1_T005352	Oomycete	pyuu	pyuu_T005352	pyuu_T005352_secreted
CBM50	40	PYU1_T005401	333	1.20E-09	1	39	27	69	0.95	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T005401	Oomycete	pyuu	pyuu_T005401	pyuu_T005401
CBM21	107	PYU1_T005443	286	0.000000041	3	89	23	101	0.803738318	Pythium_ultimum_var_ultimum	Pythium	CBM21_PYU1_T005443	Oomycete	pyuu	pyuu_T005443	pyuu_T005443_secreted
GH15	361	PYU1_T005443	286	4.00E-25	242	359	98	272	0.324099723	Pythium_ultimum_var_ultimum	Pythium	GH15_PYU1_T005443	Oomycete	pyuu	pyuu_T005443	pyuu_T005443_secreted
GH15	361	PYU1_T005444	447	3.10E-62	15	359	26	433	0.952908587	Pythium_ultimum_var_ultimum	Pythium	GH15_PYU1_T005444	Oomycete	pyuu	pyuu_T005444	pyuu_T005444
CBM21	107	PYU1_T005445	607	1.30E-14	3	107	23	121	0.971962617	Pythium_ultimum_var_ultimum	Pythium	CBM21_PYU1_T005445	Oomycete	pyuu	pyuu_T005445	pyuu_T005445_secreted
GH15	361	PYU1_T005445	607	2.90E-63	16	359	189	595	0.950138504	Pythium_ultimum_var_ultimum	Pythium	GH15_PYU1_T005445	Oomycete	pyuu	pyuu_T005445	pyuu_T005445_secreted
CE1	227	PYU1_T005497	616	0.00032	79	156	184	259	0.339207049	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T005497	Oomycete	pyuu	pyuu_T005497	pyuu_T005497_secreted
CE1	227	PYU1_T005498	610	0.00031	79	156	184	259	0.339207049	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T005498	Oomycete	pyuu	pyuu_T005498	pyuu_T005498_secreted
GT41	705	PYU1_T005551	987	7.30E-63	145	512	352	926	0.520567376	Pythium_ultimum_var_ultimum	Pythium	GT41_PYU1_T005551	Oomycete	pyuu	pyuu_T005551	pyuu_T005551
CE12	210	PYU1_T005669	201	6.10E-10	64	206	35	170	0.676190476	Pythium_ultimum_var_ultimum	Pythium	CE12_PYU1_T005669	Oomycete	pyuu	pyuu_T005669	pyuu_T005669
GT2	168	PYU1_T005734	927	1.70E-09	2	165	259	490	0.970238095	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T005734	Oomycete	pyuu	pyuu_T005734	pyuu_T005734
GH5	275	PYU1_T005849	713	1.30E-28	3	235	24	527	0.843636364	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T005849	Oomycete	pyuu	pyuu_T005849	pyuu_T005849
GH5	275	PYU1_T005859	686	8.60E-31	3	237	18	519	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T005859	Oomycete	pyuu	pyuu_T005859	pyuu_T005859
GH5	275	PYU1_T005860	682	2.20E-30	3	237	18	519	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T005860	Oomycete	pyuu	pyuu_T005860	pyuu_T005860
GT20	475	PYU1_T005864	576	7.50E-126	32	473	81	543	0.928421053	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T005864	Oomycete	pyuu	pyuu_T005864	pyuu_T005864
GH5	275	PYU1_T005871	662	2.70E-30	10	238	22	518	0.829090909	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T005871	Oomycete	pyuu	pyuu_T005871	pyuu_T005871
GH47	446	PYU1_T005915	593	2.70E-134	1	445	150	585	0.995515695	Pythium_ultimum_var_ultimum	Pythium	GH47_PYU1_T005915	Oomycete	pyuu	pyuu_T005915	pyuu_T005915
GH72	312	PYU1_T005968	589	2.10E-74	5	284	48	359	0.894230769	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T005968	Oomycete	pyuu	pyuu_T005968	pyuu_T005968_secreted
GH30	417	PYU1_T005971	509	4.20E-65	165	415	211	500	0.599520384	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T005971	Oomycete	pyuu	pyuu_T005971	pyuu_T005971_secreted
GH30	417	PYU1_T005972	382	7.40E-49	14	195	94	283	0.434052758	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T005972	Oomycete	pyuu	pyuu_T005972	pyuu_T005972_secreted
GH30	417	PYU1_T005973	584	1.50E-113	7	416	86	536	0.980815348	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T005973	Oomycete	pyuu	pyuu_T005973	pyuu_T005973_secreted
AA6	195	PYU1_T005999	200	5.90E-83	1	195	3	197	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T005999	Oomycete	pyuu	pyuu_T005999	pyuu_T005999
AA6	195	PYU1_T006000	200	6.40E-84	1	195	3	197	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T006000	Oomycete	pyuu	pyuu_T006000	pyuu_T006000
AA6	195	PYU1_T006001	200	6.40E-84	1	195	3	197	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T006001	Oomycete	pyuu	pyuu_T006001	pyuu_T006001
AA6	195	PYU1_T006002	200	1.80E-84	1	195	3	197	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T006002	Oomycete	pyuu	pyuu_T006002	pyuu_T006002
AA6	195	PYU1_T006003	200	1.40E-82	1	195	3	197	0.994871795	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T006003	Oomycete	pyuu	pyuu_T006003	pyuu_T006003
GH18	296	PYU1_T006015	421	3.10E-20	81	279	218	412	0.668918919	Pythium_ultimum_var_ultimum	Pythium	GH18_PYU1_T006015	Oomycete	pyuu	pyuu_T006015	pyuu_T006015_secreted
GT20	475	PYU1_T006016	1273	1.10E-109	10	332	119	458	0.677894737	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T006016	Oomycete	pyuu	pyuu_T006016	pyuu_T006016
GT20	475	PYU1_T006016	1273	9.80E-65	326	473	512	718	0.309473684	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T006016	Oomycete	pyuu	pyuu_T006016	pyuu_T006016
CBM50	40	PYU1_T006020	333	4.30E-11	1	39	31	84	0.95	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T006020	Oomycete	pyuu	pyuu_T006020	pyuu_T006020
CBM50	40	PYU1_T006020	333	0.000000006	1	37	107	151	0.9	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T006020	Oomycete	pyuu	pyuu_T006020	pyuu_T006020
CBM50	40	PYU1_T006020	333	0.000000018	1	39	267	313	0.95	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T006020	Oomycete	pyuu	pyuu_T006020	pyuu_T006020
CBM50	40	PYU1_T006020	333	0.000083	3	40	198	243	0.925	Pythium_ultimum_var_ultimum	Pythium	CBM50_PYU1_T006020	Oomycete	pyuu	pyuu_T006020	pyuu_T006020
GH30	417	PYU1_T006030	544	4.30E-110	10	416	88	542	0.973621103	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T006030	Oomycete	pyuu	pyuu_T006030	pyuu_T006030_secreted
GT19	354	PYU1_T006099	426	3.10E-44	1	170	42	241	0.47740113	Pythium_ultimum_var_ultimum	Pythium	GT19_PYU1_T006099	Oomycete	pyuu	pyuu_T006099	pyuu_T006099
CE12	210	PYU1_T006127	299	1.40E												

GH17	311	PYU1_T006325	443	5.10E-27	12	306	49	304	0.945337621	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T006325	Oomycete	pyuu	pyuu_T006325	pyuu_T006325_secreted
GH17	311	PYU1_T006327	443	3.00E-28	13	306	54	310	0.942122187	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T006327	Oomycete	pyuu	pyuu_T006327	pyuu_T006327_secreted
GH5	275	PYU1_T006483	333	7.40E-39	27	233	38	317	0.749090909	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T006483	Oomycete	pyuu	pyuu_T006483	pyuu_T006483
GH5	275	PYU1_T006484	845	1.80E-38	28	236	540	821	0.756363636	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T006484	Oomycete	pyuu	pyuu_T006484	pyuu_T006484
GH5	275	PYU1_T006484	845	5.80E-38	29	236	98	377	0.752727273	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T006484	Oomycete	pyuu	pyuu_T006484	pyuu_T006484
GH5	275	PYU1_T006485	445	4.10E-36	28	239	131	415	0.767272727	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T006485	Oomycete	pyuu	pyuu_T006485	pyuu_T006485_secreted
GT2	168	PYU1_T006539	1142	5.90E-26	6	168	556	819	0.964285714	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T006539	Oomycete	pyuu	pyuu_T006539	pyuu_T006539
GT2_Cellulose_synt	722	PYU1_T006539	1142	2.00E-14	416	678	821	1087	0.362880886	Pythium_ultimum_var_ultimum	Pythium	GT2_Cellulose_synt_PYU1_T006539	Oomycete	pyuu	pyuu_T006539	pyuu_T006539
GH81	622	PYU1_T006546	1010	9.30E-151	9	622	77	775	0.985530547	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T006546	Oomycete	pyuu	pyuu_T006546	pyuu_T006546_secreted
GT96	307	PYU1_T006642	929	1.10E-23	1	121	493	627	0.390879479	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T006642	Oomycete	pyuu	pyuu_T006642	pyuu_T006642
CBM47	128	PYU1_T006662	365	8.80E-13	2	60	144	196	0.453125	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T006662	Oomycete	pyuu	pyuu_T006662	pyuu_T006662
CBM32	124	PYU1_T006761	663	0.000098	35	107	128	205	0.580645161	Pythium_ultimum_var_ultimum	Pythium	CBM32_PYU1_T006761	Oomycete	pyuu	pyuu_T006761	pyuu_T006761
GT71	264	PYU1_T006771	374	2.40E-44	8	257	3	262	0.943181818	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T006771	Oomycete	pyuu	pyuu_T006771	pyuu_T006771
GT31	192	PYU1_T006878	357	9.30E-12	59	190	117	270	0.682291667	Pythium_ultimum_var_ultimum	Pythium	GT31_PYU1_T006878	Oomycete	pyuu	pyuu_T006878	pyuu_T006878_secreted
CE9	373	PYU1_T006899	411	2.80E-121	1	373	18	401	0.997319035	Pythium_ultimum_var_ultimum	Pythium	CE9_PYU1_T006899	Oomycete	pyuu	pyuu_T006899	pyuu_T006899
GT60	330	PYU1_T006926	452	3.80E-51	6	330	114	427	0.981818182	Pythium_ultimum_var_ultimum	Pythium	GT60_PYU1_T006926	Oomycete	pyuu	pyuu_T006926	pyuu_T006926
CE13	355	PYU1_T006946	442	3.70E-24	33	183	82	250	0.422535211	Pythium_ultimum_var_ultimum	Pythium	CE13_PYU1_T006946	Oomycete	pyuu	pyuu_T006946	pyuu_T006946_secreted
CE13	355	PYU1_T006947	496	3.90E-22	30	167	84	236	0.385915493	Pythium_ultimum_var_ultimum	Pythium	CE13_PYU1_T006947	Oomycete	pyuu	pyuu_T006947	pyuu_T006947_secreted
CE13	355	PYU1_T006952	455	3.50E-24	29	183	81	253	0.433802817	Pythium_ultimum_var_ultimum	Pythium	CE13_PYU1_T006952	Oomycete	pyuu	pyuu_T006952	pyuu_T006952_secreted
GT90	250	PYU1_T007026	756	4.70E-29	21	243	270	590	0.888	Pythium_ultimum_var_ultimum	Pythium	GT90_PYU1_T007026	Oomycete	pyuu	pyuu_T007026	pyuu_T007026
GH81	622	PYU1_T007115	743	1.40E-165	13	621	31	734	0.977491961	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T007115	Oomycete	pyuu	pyuu_T007115	pyuu_T007115
CE10	341	PYU1_T007155	1116	6.80E-43	77	335	778	1060	0.756598241	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T007155	Oomycete	pyuu	pyuu_T007155	pyuu_T007155
CE10	341	PYU1_T007156	493	6.20E-41	78	327	175	449	0.730205279	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T007156	Oomycete	pyuu	pyuu_T007156	pyuu_T007156
GT45	115	PYU1_T007281	341	0.0000065	27	100	125	200	0.634782609	Pythium_ultimum_var_ultimum	Pythium	GT45_PYU1_T007281	Oomycete	pyuu	pyuu_T007281	pyuu_T007281
PL3	197	PYU1_T007490	196	9.00E-33	51	196	22	168	0.736040609	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007490	Oomycete	pyuu	pyuu_T007490	pyuu_T007490_secreted
PL3	197	PYU1_T007523	262	1.10E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007523	Oomycete	pyuu	pyuu_T007523	pyuu_T007523_secreted
PL3	197	PYU1_T007525	262	1.10E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007525	Oomycete	pyuu	pyuu_T007525	pyuu_T007525_secreted
PL3	197	PYU1_T007528	262	4.80E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007528	Oomycete	pyuu	pyuu_T007528	pyuu_T007528_secreted
PL3	197	PYU1_T007530	254	4.30E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007530	Oomycete	pyuu	pyuu_T007530	pyuu_T007530_secreted
PL3	197	PYU1_T007532	262	4.80E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007532	Oomycete	pyuu	pyuu_T007532	pyuu_T007532_secreted
PL3	197	PYU1_T007535	262	4.80E-72	2	196	34	231	0.984771574	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T007535	Oomycete	pyuu	pyuu_T007535	pyuu_T007535_secreted
CBM32	124	PYU1_T007538	138	9.30E-13	7	109	13	118	0.822580645	Pythium_ultimum_var_ultimum	Pythium	CBM32_PYU1_T007538	Oomycete	pyuu	pyuu_T007538	pyuu_T007538
GH47	446	PYU1_T007580	602	1.90E-137	1	446	154	597	0.997757848	Pythium_ultimum_var_ultimum	Pythium	GH47_PYU1_T007580	Oomycete	pyuu	pyuu_T007580	pyuu_T007580
CE2	209	PYU1_T007609	469	1.00E-52	1	209	214	433	0.995215311	Pythium_ultimum_var_ultimum	Pythium	CE2_PYU1_T007609	Oomycete	pyuu	pyuu_T007609	pyuu_T007609
CE10	341	PYU1_T007631	679	1.30E-19	73	316	404	639	0.712609971	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T007631	Oomycete	pyuu	pyuu_T007631	pyuu_T007631
CBM1	29	PYU1_T007714	213	0.00059	12	26	150	164	0.482758621	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T007714	Oomycete	pyuu	pyuu_T007714	pyuu_T007714
GH17	311	PYU1_T007722	379	1.60E-15	42	304	75	297	0.84244373	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T007722	Oomycete	pyuu	pyuu_T007722	pyuu_T007722
CE10	341	PYU1_T007881	739	0.000000012	74	278	465	670	0.598240469	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T007881	Oomycete	pyuu	pyuu_T007881	pyuu_T007881
AA3	618	PYU1_T007909	486	0.000000051	79	285	30	274	0.333333333	Pythium_ultimum_var_ultimum	Pythium	AA3_PYU1_T007909	Oomycete	pyuu	pyuu_T007909	pyuu_T007909
GT39	223	PYU1_T007964	416	0.00046	70	140	304	380	0.313901345	Pythium_ultimum_var_ultimum	Pythium	GT39_PYU1_T007964	Oomycete	pyuu	pyuu_T007964	pyuu_T007964
GT4	160	PYU1_T008202	431	0.00032	80	139	283	342	0.36875	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T008202	Oomycete	pyuu	pyuu_T008202	pyuu_T008202
GT4	160	PYU1_T008203	540	0.00054	72	134	381	442	0.3875	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T008203	Oomycete	pyuu	pyuu_T008203	pyuu_T008203
GT8	257	PYU1_T008209	403	1.80E-29	21	253	91	367	0.902723735	Pythium_ultimum_var_ultimum	Pythium	GT8_PYU1_T008209	Oomycete	pyuu	pyuu_T008209	pyuu_T008209
GT4	160	PYU1_T008222	523	0.000019	79	138	354	413	0.36875	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T008222	Oomycete	pyuu	pyuu_T008222	pyuu_T008222_secreted
CBM9	182	PYU1_T008265	421	3.30E-31	1	148	37	212	0.807692308	Pythium_ultimum_var_ultimum	Pythium	CBM9_PYU1_T008265	Oomycete	pyuu	pyuu_T008265	pyuu_T008265
CBM9	182	PYU1_T008462	428	7.30E-32	1	181	86	313	0.989010989	Pythium_ultimum_var_ultimum	Pythium	CBM9_PYU1_T008462	Oomycete	pyuu	pyuu_T008462	pyuu_T008462
GT20	475	PYU1_T008562	1057	4.40E-109	11	474	52	584	0.974736842	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T008562	Oomycete	pyuu	pyuu_T008562	pyuu_T008562
CE4	130	PYU1_T008651	309	2.90E-12	25	125	82	182	0.769230769	Pythium_ultimum_var_ultimum	Pythium	CE4_PYU1_T008651	Oomycete	pyuu	pyuu_T008651	pyuu_T008651
GH72	312	PYU1_T008739	501	1.90E-74	3	284	19	323	0.900641026	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T008739	Oomycete	pyuu	pyuu_T008739	pyuu_T008739
GH72	312	PYU1_T008740	494	6.50E-80	3	284	25	329	0.900641026	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T008740	Oomycete	pyuu	pyuu_T008740	pyuu_T008740_secreted
GT48	739	PYU1_T008944	2426	4.70E-249	2	714	899	1660	0.963464141	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T008944	Oomycete	pyuu	pyuu_T008944	pyuu_T008944
GH3	216	PYU1_T008966	775	1.30E-61	6	216	115	336	0.972222222	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T008966	Oomycete	pyuu	pyuu_T008966	pyuu_T008966_secreted
GH5	275	PYU1_T009031	350	2.20E-17	40	240	8	304	0.727272727	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T009031	Oomycete	pyuu	pyuu_T009031	pyuu_T009031
GT60	330	PYU1_T009068	532	3.60E-55	2	330	76	388	0.993939394	Pythium_ultimum_var_ultimum	Pythium	GT60_PYU1_T009068	Oomycete	pyuu	pyuu_T009068	pyuu_T009068
CE13	355	PYU1_T009144	452	5.90E-24	27	221	79	289	0.546478873	Pythium_ultimum_var_ultimum	Pythium	CE13_PYU1_T009144	Oomycete	pyuu	pyuu_T009144	pyuu_T009144_secreted
CE10	341	PYU1_T009170	445	8.80E-38	77	335	176	437	0.756598241	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009170	Oomycete	pyuu	pyuu_T009170	pyuu_T009170
GH81	622	PYU1_T009184	834	1.50E-155	4	622	94	814	0.993569132	Pythium_ultimum_var_ultimum	Pythium	GH81_PYU1_T009184	Oomycete	pyuu	pyuu_T009184	pyuu_T009184
CE10	341	PYU1_T009203	472	1.00E-31	97	316	200	423	0.642228739	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009203	Oomycete	pyuu	pyuu_T009203	pyuu_T009203
CE10	341	PYU1_T009204	446	4.90E-30	86	334	164	421	0.727272727	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009204	Oomycete	pyuu	pyuu_T009204	pyuu_T009204
CE10	341	PYU1_T009205	409	1.50E-33	93	334	132	380	0.706744868	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009205	Oomycete	pyuu	pyuu_T009205	pyuu_T009205
CE10	341	PYU1_T009207	394	8.40E-30	64	340	103	380	0.809384164	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009207	Oomycete	pyuu	pyuu_T009207	pyuu_T009207
CE10	341	PYU1_T009208	382	7.90E-32	94	316	128	355	0.651026393	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009208	Oomycete	pyuu	pyuu_T009208	pyuu_T009208
GH72	312	PYU1_T009211	506	1.00E-70	5	284	30	338	0.894230769	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T009211	Oomycete	pyuu	pyuu_T009211	pyuu_T009211_secreted
GH72	312	PYU1_T009220	436	1.50E-65	5	284	29	350	0.894230769	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T009220	Oomycete	pyuu	pyuu_T009220	pyuu_T009220_secreted
GH72	312	PYU1_T009223	499	5.60E-74	5	287	30	340	0.903846154	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T009223	Oomycete	pyuu	pyuu_T009223	pyuu_T009223_secreted
GH72	312	PYU1_T009226	250	5.90E-35	11	165	13	176	0.493589744	Pythium_ultimum_var_ultimum	Pythium	GH72_PYU1_T009226	Oomycete	pyuu	pyuu_T009226	pyuu_T009226
GH72																

PL3	197	PYU1_T009536	260	5.80E-72	2	192	31	227	0.964467005	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T009536	Oomycete	pyuu	pyuu_T009536	pyuu_T009536_secreted
GH18	296	PYU1_T009543	428	3.40E-37	39	278	93	404	0.807432432	Pythium_ultimum_var_ultimum	Pythium	GH18_PYU1_T009543	Oomycete	pyuu	pyuu_T009543	pyuu_T009543_secreted
GT4	160	PYU1_T009705	518	6.90E-30	10	148	267	404	0.8625	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T009705	Oomycete	pyuu	pyuu_T009705	pyuu_T009705
CE10	341	PYU1_T009773	683	3.80E-44	70	308	309	617	0.697947214	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T009773	Oomycete	pyuu	pyuu_T009773	pyuu_T009773
GT66	693	PYU1_T009955	651	2.40E-76	258	593	182	594	0.483405483	Pythium_ultimum_var_ultimum	Pythium	GT66_PYU1_T009955	Oomycete	pyuu	pyuu_T009955	pyuu_T009955
CE1	227	PYU1_T010216	488	0.0000033	12	143	189	356	0.577092511	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010216	Oomycete	pyuu	pyuu_T010216	pyuu_T010216
CBM47	128	PYU1_T010283	5443	0.000000074	3	60	4867	4926	0.4453125	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T010283	Oomycete	pyuu	pyuu_T010283	pyuu_T010283
GH37	491	PYU1_T010285	714	4.20E-153	2	491	137	703	0.99592668	Pythium_ultimum_var_ultimum	Pythium	GH37_PYU1_T010285	Oomycete	pyuu	pyuu_T010285	pyuu_T010285
GH37	491	PYU1_T010286	705	1.10E-152	2	491	108	694	0.99592668	Pythium_ultimum_var_ultimum	Pythium	GH37_PYU1_T010286	Oomycete	pyuu	pyuu_T010286	pyuu_T010286
GH37	491	PYU1_T010297	789	1.20E-161	2	489	233	782	0.991853361	Pythium_ultimum_var_ultimum	Pythium	GH37_PYU1_T010297	Oomycete	pyuu	pyuu_T010297	pyuu_T010297
CBM20	90	PYU1_T010299	1170	0.0000025	2	85	118	204	0.922222222	Pythium_ultimum_var_ultimum	Pythium	CBM20_PYU1_T010299	Oomycete	pyuu	pyuu_T010299	pyuu_T010299
GT20	475	PYU1_T010299	1170	5.30E-130	13	474	298	795	0.970526316	Pythium_ultimum_var_ultimum	Pythium	GT20_PYU1_T010299	Oomycete	pyuu	pyuu_T010299	pyuu_T010299
CE1	227	PYU1_T010370	282	8.20E-50	1	225	21	278	0.986784141	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010370	Oomycete	pyuu	pyuu_T010370	pyuu_T010370
GH85	315	PYU1_T010421	813	2.10E-63	1	262	307	560	0.828571429	Pythium_ultimum_var_ultimum	Pythium	GH85_PYU1_T010421	Oomycete	pyuu	pyuu_T010421	pyuu_T010421
GT2	168	PYU1_T010437	341	1.10E-28	1	164	78	256	0.970238095	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T010437	Oomycete	pyuu	pyuu_T010437	pyuu_T010437_secreted
CE1	227	PYU1_T010604	313	0.0000016	28	143	9	173	0.50660793	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010604	Oomycete	pyuu	pyuu_T010604	pyuu_T010604
CE1	227	PYU1_T010605	316	0.0000011	28	143	12	178	0.50660793	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010605	Oomycete	pyuu	pyuu_T010605	pyuu_T010605
CE1	227	PYU1_T010606	314	0.0000025	28	143	18	184	0.50660793	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010606	Oomycete	pyuu	pyuu_T010606	pyuu_T010606
CE1	227	PYU1_T010607	316	0.00000095	28	143	12	175	0.50660793	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010607	Oomycete	pyuu	pyuu_T010607	pyuu_T010607
CE1	227	PYU1_T010623	316	0.00000057	26	147	8	187	0.533039648	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T010623	Oomycete	pyuu	pyuu_T010623	pyuu_T010623
GT22	389	PYU1_T010662	387	1.40E-73	5	344	13	382	0.871465296	Pythium_ultimum_var_ultimum	Pythium	GT22_PYU1_T010662	Oomycete	pyuu	pyuu_T010662	pyuu_T010662
GH31	427	PYU1_T010666	1185	1.70E-128	3	427	360	930	0.992974239	Pythium_ultimum_var_ultimum	Pythium	GH31_PYU1_T010666	Oomycete	pyuu	pyuu_T010666	pyuu_T010666
CE10	341	PYU1_T010670	711	4.10E-46	93	330	455	701	0.695014663	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T010670	Oomycete	pyuu	pyuu_T010670	pyuu_T010670
GH5	275	PYU1_T010680	369	3.00E-40	26	240	59	346	0.778181818	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T010680	Oomycete	pyuu	pyuu_T010680	pyuu_T010680
GH16	189	PYU1_T010702	360	1.70E-09	89	189	54	199	0.529100529	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010702	Oomycete	pyuu	pyuu_T010702	pyuu_T010702
GH16	189	PYU1_T010705	743	3.10E-09	89	189	407	560	0.529100529	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010705	Oomycete	pyuu	pyuu_T010705	pyuu_T010705
GH16	189	PYU1_T010705	743	0.00000022	3	115	62	277	0.592592593	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010705	Oomycete	pyuu	pyuu_T010705	pyuu_T010705
GH16	189	PYU1_T010707	575	3.00E-11	3	189	281	557	0.984126984	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010707	Oomycete	pyuu	pyuu_T010707	pyuu_T010707_secreted
GH16	189	PYU1_T010712	754	2.70E-09	122	189	440	563	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010712	Oomycete	pyuu	pyuu_T010712	pyuu_T010712
GH16	189	PYU1_T010712	754	0.00000003	4	116	63	278	0.592592593	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010712	Oomycete	pyuu	pyuu_T010712	pyuu_T010712
GH16	189	PYU1_T010715	630	3.60E-10	109	189	368	542	0.423280423	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010715	Oomycete	pyuu	pyuu_T010715	pyuu_T010715
GH16	189	PYU1_T010715	630	0.00000036	3	100	44	246	0.513227513	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010715	Oomycete	pyuu	pyuu_T010715	pyuu_T010715
GH16	189	PYU1_T010723	539	1.50E-09	93	189	226	366	0.507936508	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010723	Oomycete	pyuu	pyuu_T010723	pyuu_T010723
GH16	189	PYU1_T010725	680	0.000000001	122	189	345	500	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010725	Oomycete	pyuu	pyuu_T010725	pyuu_T010725
GH16	189	PYU1_T010725	680	0.000000075	3	114	2	216	0.587301587	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010725	Oomycete	pyuu	pyuu_T010725	pyuu_T010725
GH16	189	PYU1_T010726	717	0.000000012	122	189	400	530	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010726	Oomycete	pyuu	pyuu_T010726	pyuu_T010726
GH16	189	PYU1_T010726	717	0.000000037	3	90	32	220	0.46031746	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010726	Oomycete	pyuu	pyuu_T010726	pyuu_T010726
GH16	189	PYU1_T010727	747	6.20E-10	122	189	414	551	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010727	Oomycete	pyuu	pyuu_T010727	pyuu_T010727
GH16	189	PYU1_T010727	747	0.000000012	3	116	53	269	0.597883598	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010727	Oomycete	pyuu	pyuu_T010727	pyuu_T010727
GH16	189	PYU1_T010728	733	0.000000007	122	189	404	555	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010728	Oomycete	pyuu	pyuu_T010728	pyuu_T010728
GH16	189	PYU1_T010728	733	0.000000038	3	113	60	270	0.582010582	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010728	Oomycete	pyuu	pyuu_T010728	pyuu_T010728
GH16	189	PYU1_T010729	705	5.30E-15	3	189	65	516	0.984126984	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010729	Oomycete	pyuu	pyuu_T010729	pyuu_T010729
GH16	189	PYU1_T010734	757	4.60E-10	122	189	427	558	0.354497355	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010734	Oomycete	pyuu	pyuu_T010734	pyuu_T010734
GH16	189	PYU1_T010734	757	0.000000014	4	100	56	225	0.507936508	Pythium_ultimum_var_ultimum	Pythium	GH16_PYU1_T010734	Oomycete	pyuu	pyuu_T010734	pyuu_T010734
GT96	307	PYU1_T010744	434	3.70E-12	1	112	51	164	0.361563518	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T010744	Oomycete	pyuu	pyuu_T010744	pyuu_T010744_secreted
GT96	307	PYU1_T010750	456	1.70E-15	1	118	116	237	0.381107492	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T010750	Oomycete	pyuu	pyuu_T010750	pyuu_T010750
GT96	307	PYU1_T010754	544	1.40E-14	1	112	155	275	0.361563518	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T010754	Oomycete	pyuu	pyuu_T010754	pyuu_T010754
GT95	294	PYU1_T010757	500	0.000000014	65	220	200	368	0.527210884	Pythium_ultimum_var_ultimum	Pythium	GT95_PYU1_T010757	Oomycete	pyuu	pyuu_T010757	pyuu_T010757
GT96	307	PYU1_T010757	500	4.40E-14	1	112	127	247	0.361563518	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T010757	Oomycete	pyuu	pyuu_T010757	pyuu_T010757
CBM63	78	PYU1_T010806	215	5.10E-09	2	76	136	211	0.948717949	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T010806	Oomycete	pyuu	pyuu_T010806	pyuu_T010806_secreted
CE12	210	PYU1_T010808	260	5.30E-18	3	161	39	204	0.752380952	Pythium_ultimum_var_ultimum	Pythium	CE12_PYU1_T010808	Oomycete	pyuu	pyuu_T010808	pyuu_T010808
CBM63	78	PYU1_T010809	294	0.00000032	2	73	140	212	0.91025641	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T010809	Oomycete	pyuu	pyuu_T010809	pyuu_T010809_secreted
CBM63	78	PYU1_T010810	497	0.00000047	2	74	142	213	0.923076923	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T010810	Oomycete	pyuu	pyuu_T010810	pyuu_T010810_secreted
GH47	446	PYU1_T010854	495	4.70E-83	151	446	191	492	0.661434978	Pythium_ultimum_var_ultimum	Pythium	GH47_PYU1_T010854	Oomycete	pyuu	pyuu_T010854	pyuu_T010854
CBM47	128	PYU1_T010945	1441	1.70E-20	3	128	1092	1233	0.9765625	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T010945	Oomycete	pyuu	pyuu_T010945	pyuu_T010945
GH38	269	PYU1_T010978	1029	2.60E-71	1	269	70	372	0.996282528	Pythium_ultimum_var_ultimum	Pythium	GH38_PYU1_T010978	Oomycete	pyuu	pyuu_T010978	pyuu_T010978_secreted
GH89	663	PYU1_T010982	906	4.40E-225	2	661	80	748	0.993966818	Pythium_ultimum_var_ultimum	Pythium	GH89_PYU1_T010982	Oomycete	pyuu	pyuu_T010982	pyuu_T010982_secreted
GH89	663	PYU1_T010997	763	2.50E-225	2	661	70	738	0.993966818	Pythium_ultimum_var_ultimum	Pythium	GH89_PYU1_T010997	Oomycete	pyuu	pyuu_T010997	pyuu_T010997_secreted
GT31	192	PYU1_T011186	377	2.60E-19	48	187	116	268	0.723958333	Pythium_ultimum_var_ultimum	Pythium	GT31_PYU1_T011186	Oomycete	pyuu	pyuu_T011186	pyuu_T011186
AA3	618	PYU1_T011195	619	1.20E-53	87	364	96	616	0.448220065	Pythium_ultimum_var_ultimum	Pythium	AA3_PYU1_T011195	Oomycete	pyuu	pyuu_T011195	pyuu_T011195
GT24	248	PYU1_T011367	1515	2.30E-124	1	248	1230	1475	0.995967742	Pythium_ultimum_var_ultimum	Pythium	GT24_PYU1_T011367	Oomycete	pyuu	pyuu_T011367	pyuu_T011367
CE10	341	PYU1_T011416	431	3.30E-38	67	337	97	401	0.791788856	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T011416	Oomycete	pyuu	pyuu_T011416	pyuu_T011416
GH5	275	PYU1_T011452	599	3.20E-32	3	239	188	537	0.858181818	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T011452	Oomycete	pyuu	pyuu_T011452	pyuu_T011452
GH5	275	PYU1_T011453	539	3.60E-11	3	90	193	317	0.316363636	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T011453	Oomycete	pyuu	pyuu_T011453	pyuu_T011453
CBM13	188	PYU1_T011551	685	6.90E-09	27	109	554	629	0.436170213	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T011551	Oomycete	pyuu	pyuu_T011551	pyuu_T011551
GH30	417	PYU1_T011551	685	4.80E-111	7	362	113	495	0.851318945	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T011551	Oom			

CBM43	83	PYU1_T011822	737	1.60E-15	1	74	597	666	0.879518072	Pythium_ultimum_var_ultimum	Pythium	CBM43_PYU1_T011822	Oomycete	pyuu	pyuu_T011822	pyuu_T011822
GH5	275	PYU1_T011822	737	3.00E-35	28	219	188	462	0.694545455	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T011822	Oomycete	pyuu	pyuu_T011822	pyuu_T011822
CBM43	83	PYU1_T011841	693	3.90E-14	2	75	558	627	0.879518072	Pythium_ultimum_var_ultimum	Pythium	CBM43_PYU1_T011841	Oomycete	pyuu	pyuu_T011841	pyuu_T011841
GH5	275	PYU1_T011841	693	1.20E-33	28	217	149	420	0.687272727	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T011841	Oomycete	pyuu	pyuu_T011841	pyuu_T011841
CBM13	188	PYU1_T011862	633	0.000000038	14	145	333	483	0.696808511	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T011862	Oomycete	pyuu	pyuu_T011862	pyuu_T011862
CBM13	188	PYU1_T011862	633	0.000000074	12	132	169	313	0.638297872	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T011862	Oomycete	pyuu	pyuu_T011862	pyuu_T011862
CBM13	188	PYU1_T011862	633	0.000000012	7	133	492	630	0.670212766	Pythium_ultimum_var_ultimum	Pythium	CBM13_PYU1_T011862	Oomycete	pyuu	pyuu_T011862	pyuu_T011862
GT22	389	PYU1_T011876	612	1.60E-55	2	368	17	465	0.940874036	Pythium_ultimum_var_ultimum	Pythium	GT22_PYU1_T011876	Oomycete	pyuu	pyuu_T011876	pyuu_T011876
dockerin	21	PYU1_T011877	491	0.00073	1	13	27	39	0.571428571	Pythium_ultimum_var_ultimum	Pythium	dockerin_PYU1_T011877	Oomycete	pyuu	pyuu_T011877	pyuu_T011877
GH7	415	PYU1_T011896	464	2.70E-188	1	415	23	463	0.997590361	Pythium_ultimum_var_ultimum	Pythium	GH7_PYU1_T011896	Oomycete	pyuu	pyuu_T011896	pyuu_T011896_secreted
PL1	202	PYU1_T012179	403	1.60E-38	23	201	124	320	0.881188119	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T012179	Oomycete	pyuu	pyuu_T012179	pyuu_T012179_secreted
PL1	202	PYU1_T012180	270	1.80E-18	23	103	124	213	0.396039604	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T012180	Oomycete	pyuu	pyuu_T012180	pyuu_T012180_secreted
GT2	168	PYU1_T012217	752	1.80E-33	1	167	389	557	0.988095238	Pythium_ultimum_var_ultimum	Pythium	GT2_PYU1_T012217	Oomycete	pyuu	pyuu_T012217	pyuu_T012217
GT74	280	PYU1_T012217	752	1.20E-64	2	273	22	361	0.967857143	Pythium_ultimum_var_ultimum	Pythium	GT74_PYU1_T012217	Oomycete	pyuu	pyuu_T012217	pyuu_T012217
GH5	275	PYU1_T012311	511	4.20E-24	8	240	34	430	0.843636364	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T012311	Oomycete	pyuu	pyuu_T012311	pyuu_T012311
PL3	197	PYU1_T012442	264	2.00E-72	2	191	32	227	0.959390863	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T012442	Oomycete	pyuu	pyuu_T012442	pyuu_T012442_secreted
PL3	197	PYU1_T012446	260	5.80E-72	2	192	31	227	0.964467005	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T012446	Oomycete	pyuu	pyuu_T012446	pyuu_T012446_secreted
PL3	197	PYU1_T012448	207	3.40E-64	25	192	1	174	0.847715736	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T012448	Oomycete	pyuu	pyuu_T012448	pyuu_T012448
PL3	197	PYU1_T012455	259	6.20E-73	2	194	31	228	0.974619289	Pythium_ultimum_var_ultimum	Pythium	PL3_PYU1_T012455	Oomycete	pyuu	pyuu_T012455	pyuu_T012455_secreted
GH5	275	PYU1_T012509	301	5.70E-38	31	240	16	275	0.76	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T012509	Oomycete	pyuu	pyuu_T012509	pyuu_T012509
GH5	275	PYU1_T012511	466	1.60E-47	6	240	117	440	0.850909091	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T012511	Oomycete	pyuu	pyuu_T012511	pyuu_T012511_secreted
GH5	275	PYU1_T012512	427	1.60E-48	6	253	82	414	0.898181818	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T012512	Oomycete	pyuu	pyuu_T012512	pyuu_T012512_secreted
GT41	705	PYU1_T012529	768	1.80E-94	121	518	160	753	0.563120567	Pythium_ultimum_var_ultimum	Pythium	GT41_PYU1_T012529	Oomycete	pyuu	pyuu_T012529	pyuu_T012529_secreted
GH3	216	PYU1_T012530	876	1.30E-70	3	215	99	358	0.981481482	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T012530	Oomycete	pyuu	pyuu_T012530	pyuu_T012530_secreted
CBM63	78	PYU1_T012670	253	0.000000011	2	68	127	192	0.846153846	Pythium_ultimum_var_ultimum	Pythium	CBM63_PYU1_T012670	Oomycete	pyuu	pyuu_T012670	pyuu_T012670
GT96	307	PYU1_T012759	497	1.00E-18	1	222	107	354	0.719869707	Pythium_ultimum_var_ultimum	Pythium	GT96_PYU1_T012759	Oomycete	pyuu	pyuu_T012759	pyuu_T012759
GH3	216	PYU1_T012880	804	2.30E-56	4	214	77	323	0.972222222	Pythium_ultimum_var_ultimum	Pythium	GH3_PYU1_T012880	Oomycete	pyuu	pyuu_T012880	pyuu_T012880_secreted
GT10	347	PYU1_T013005	962	1.20E-36	164	306	776	928	0.409221902	Pythium_ultimum_var_ultimum	Pythium	GT10_PYU1_T013005	Oomycete	pyuu	pyuu_T013005	pyuu_T013005_secreted
GT31	192	PYU1_T013005	962	3.40E-37	2	191	241	450	0.984375	Pythium_ultimum_var_ultimum	Pythium	GT31_PYU1_T013005	Oomycete	pyuu	pyuu_T013005	pyuu_T013005_secreted
CE1	227	PYU1_T013009	457	0.000000024	21	175	188	387	0.678414097	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T013009	Oomycete	pyuu	pyuu_T013009	pyuu_T013009
CE1	227	PYU1_T013025	306	0.00000043	13	123	37	143	0.484581498	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T013025	Oomycete	pyuu	pyuu_T013025	pyuu_T013025
CE1	227	PYU1_T013036	371	0.00000088	6	122	89	198	0.511013216	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T013036	Oomycete	pyuu	pyuu_T013036	pyuu_T013036
GH18	296	PYU1_T013038	399	3.10E-21	32	195	146	344	0.550675676	Pythium_ultimum_var_ultimum	Pythium	GH18_PYU1_T013038	Oomycete	pyuu	pyuu_T013038	pyuu_T013038
CE1	227	PYU1_T013053	302	0.00000001	8	143	32	215	0.594713656	Pythium_ultimum_var_ultimum	Pythium	CE1_PYU1_T013053	Oomycete	pyuu	pyuu_T013053	pyuu_T013053
GT48	739	PYU1_T013084	2256	1.20E-258	2	684	836	1560	0.922868742	Pythium_ultimum_var_ultimum	Pythium	GT48_PYU1_T013084	Oomycete	pyuu	pyuu_T013084	pyuu_T013084
CBM32	124	PYU1_T013086	1012	0.000000052	7	109	373	480	0.822580645	Pythium_ultimum_var_ultimum	Pythium	CBM32_PYU1_T013086	Oomycete	pyuu	pyuu_T013086	pyuu_T013086
CBM51	134	PYU1_T013086	1012	2.40E-15	2	132	791	947	0.970149254	Pythium_ultimum_var_ultimum	Pythium	CBM51_PYU1_T013086	Oomycete	pyuu	pyuu_T013086	pyuu_T013086
AA2	255	PYU1_T013244	691	1.10E-31	23	253	457	683	0.901960784	Pythium_ultimum_var_ultimum	Pythium	AA2_PYU1_T013244	Oomycete	pyuu	pyuu_T013244	pyuu_T013244_secreted
AA2	255	PYU1_T013244	691	1.60E-23	14	115	76	179	0.396078431	Pythium_ultimum_var_ultimum	Pythium	AA2_PYU1_T013244	Oomycete	pyuu	pyuu_T013244	pyuu_T013244_secreted
GT57	481	PYU1_T013340	590	2.40E-147	2	478	28	567	0.989603499	Pythium_ultimum_var_ultimum	Pythium	GT57_PYU1_T013340	Oomycete	pyuu	pyuu_T013340	pyuu_T013340
CBM20	90	PYU1_T013388	1049	4.20E-16	15	87	33	113	0.8	Pythium_ultimum_var_ultimum	Pythium	CBM20_PYU1_T013388	Oomycete	pyuu	pyuu_T013388	pyuu_T013388
CBM47	128	PYU1_T013388	1049	2.10E-12	7	58	128	186	0.3984375	Pythium_ultimum_var_ultimum	Pythium	CBM47_PYU1_T013388	Oomycete	pyuu	pyuu_T013388	pyuu_T013388
GH5	275	PYU1_T013428	502	1.90E-28	3	245	83	456	0.88	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T013428	Oomycete	pyuu	pyuu_T013428	pyuu_T013428
GH114	190	PYU1_T013450	265	1.10E-77	1	190	40	229	0.994736842	Pythium_ultimum_var_ultimum	Pythium	GH114_PYU1_T013450	Oomycete	pyuu	pyuu_T013450	pyuu_T013450
GH1	429	PYU1_T013474	602	2.30E-133	3	427	34	517	0.988344988	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T013474	Oomycete	pyuu	pyuu_T013474	pyuu_T013474
GH1	429	PYU1_T013486	590	5.00E-138	3	426	32	511	0.986013986	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T013486	Oomycete	pyuu	pyuu_T013486	pyuu_T013486
GH1	429	PYU1_T013487	587	1.30E-138	2	427	37	521	0.990675991	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T013487	Oomycete	pyuu	pyuu_T013487	pyuu_T013487
GH1	429	PYU1_T013488	597	5.70E-136	2	427	36	519	0.990675991	Pythium_ultimum_var_ultimum	Pythium	GH1_PYU1_T013488	Oomycete	pyuu	pyuu_T013488	pyuu_T013488
GH2	752	PYU1_T013496	933	1.80E-85	35	549	28	784	0.683510638	Pythium_ultimum_var_ultimum	Pythium	GH2_PYU1_T013496	Oomycete	pyuu	pyuu_T013496	pyuu_T013496_secreted
GT30	177	PYU1_T013516	233	6.70E-34	36	155	102	226	0.672316384	Pythium_ultimum_var_ultimum	Pythium	GT30_PYU1_T013516	Oomycete	pyuu	pyuu_T013516	pyuu_T013516
GT50	262	PYU1_T013661	430	9.70E-92	1	261	135	403	0.992366412	Pythium_ultimum_var_ultimum	Pythium	GT50_PYU1_T013661	Oomycete	pyuu	pyuu_T013661	pyuu_T013661
AA6	195	PYU1_T013670	200	2.00E-83	2	195	4	197	0.98974359	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T013670	Oomycete	pyuu	pyuu_T013670	pyuu_T013670
GH5	275	PYU1_T013744	370	7.60E-36	26	241	69	353	0.781818182	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T013744	Oomycete	pyuu	pyuu_T013744	pyuu_T013744
CBM1	29	PYU1_T013783	263	8.70E-12	1	29	229	257	0.965517241	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T013783	Oomycete	pyuu	pyuu_T013783	pyuu_T013783
CBM1	29	PYU1_T013783	263	0.00000017	2	25	52	75	0.793103448	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T013783	Oomycete	pyuu	pyuu_T013783	pyuu_T013783
CBM1	29	PYU1_T013783	263	0.00046	15	28	201	214	0.448275862	Pythium_ultimum_var_ultimum	Pythium	CBM1_PYU1_T013783	Oomycete	pyuu	pyuu_T013783	pyuu_T013783
CE10	341	PYU1_T013786	319	0.000000057	117	322	70	309	0.601173021	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T013786	Oomycete	pyuu	pyuu_T013786	pyuu_T013786
GH17	311	PYU1_T013803	566	7.30E-21	18	309	49	304	0.935691318	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T013803	Oomycete	pyuu	pyuu_T013803	pyuu_T013803
GH17	311	PYU1_T013821	417	1.00E-19	2	306	30	285	0.977491961	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T013821	Oomycete	pyuu	pyuu_T013821	pyuu_T013821_secreted
GT7	250	PYU1_T014024	358	5.00E-59	22	250	75	317	0.912	Pythium_ultimum_var_ultimum	Pythium	GT7_PYU1_T014024	Oomycete	pyuu	pyuu_T014024	pyuu_T014024
GT71	264	PYU1_T014164	462	4.90E-50	1	262	78	353	0.988636364	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T014164	Oomycete	pyuu	pyuu_T014164	pyuu_T014164
CE10	341	PYU1_T014238	799	6.50E-23	64	316	516	784	0.739002933	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T014238	Oomycete	pyuu	pyuu_T014238	pyuu_T014238
CE14	124	PYU1_T014253	316	2.50E-14	1	123	69	186	0.983870968	Pythium_ultimum_var_ultimum	Pythium	CE14_PYU1_T014253	Oomycete	pyuu	pyuu_T014253	pyuu_T014253
GT4	160	PYU1_T014327	509	0.00000015	79	135	371	426	0.35	Pythium_ultimum_var_ultimum	Pythium	GT4_PYU1_T014327	Oomycete	pyuu	pyuu_T014327	pyuu_T014327
CE12	210	PYU1_T014378	244	3.00E-14	3	208	14	216	0.976190476	Pythium_ultimum_var_ultimum	Pythium	CE12_PYU1_T014378	Oomycete	pyuu	pyuu_T014378	pyuu_T014378
CE7	313	PYU1_T014402	429	1.60E-10	157	296	127	269	0.444089457	Pythium_ultimum_var_ultimum	Pythium	CE7_PYU1_T014402	Oomycete	pyuu	pyuu_T014402	pyuu_T014402
CE1	227	PYU1_T014498	364	9.10E-09												

GH17	311	PYU1_T014660	444	9.20E-26	26	307	192	444	0.903536978	Pythium_ultimum_var_ultimum	Pythium	GH17_PYU1_T014660	Oomycete	pyuu	pyuu_T014660	pyuu_T014660_secreted
CE10	341	PYU1_T014680	311	2.60E-11	74	222	73	215	0.434017595	Pythium_ultimum_var_ultimum	Pythium	CE10_PYU1_T014680	Oomycete	pyuu	pyuu_T014680	pyuu_T014680
GT71	264	PYU1_T014775	719	1.20E-53	1	264	353	585	0.996212121	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T014775	Oomycete	pyuu	pyuu_T014775	pyuu_T014775
GT71	264	PYU1_T014779	566	2.40E-50	2	264	214	451	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T014779	Oomycete	pyuu	pyuu_T014779	pyuu_T014779
GT71	264	PYU1_T014780	589	2.10E-48	2	264	218	451	0.992424242	Pythium_ultimum_var_ultimum	Pythium	GT71_PYU1_T014780	Oomycete	pyuu	pyuu_T014780	pyuu_T014780
AA3	618	PYU1_T014825	594	3.20E-113	85	399	36	572	0.508090615	Pythium_ultimum_var_ultimum	Pythium	AA3_PYU1_T014825	Oomycete	pyuu	pyuu_T014825	pyuu_T014825
GT60	330	PYU1_T014876	432	6.30E-76	4	329	106	408	0.984848485	Pythium_ultimum_var_ultimum	Pythium	GT60_PYU1_T014876	Oomycete	pyuu	pyuu_T014876	pyuu_T014876
AA6	195	PYU1_T014878	300	1.30E-16	4	140	111	231	0.697435897	Pythium_ultimum_var_ultimum	Pythium	AA6_PYU1_T014878	Oomycete	pyuu	pyuu_T014878	pyuu_T014878
GH5	275	PYU1_T014926	288	1.00E-15	3	155	73	283	0.552727273	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T014926	Oomycete	pyuu	pyuu_T014926	pyuu_T014926
GH5	275	PYU1_T014930	255	1.90E-14	118	246	1	210	0.465454546	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T014930	Oomycete	pyuu	pyuu_T014930	pyuu_T014930
GT45	115	PYU1_T015018	423	0.0000095	27	100	211	286	0.634782609	Pythium_ultimum_var_ultimum	Pythium	GT45_PYU1_T015018	Oomycete	pyuu	pyuu_T015018	pyuu_T015018
PL1	202	PYU1_T015021	341	1.30E-31	15	200	115	308	0.915841584	Pythium_ultimum_var_ultimum	Pythium	PL1_PYU1_T015021	Oomycete	pyuu	pyuu_T015021_secreted	pyuu_T015021_secreted
GH5	275	PYU1_T015039	252	5.90E-27	73	233	19	236	0.581818182	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T015039	Oomycete	pyuu	pyuu_T015039	pyuu_T015039
GH5	275	PYU1_T015040	400	1.10E-39	28	236	102	376	0.756363636	Pythium_ultimum_var_ultimum	Pythium	GH5_PYU1_T015040	Oomycete	pyuu	pyuu_T015040	pyuu_T015040_secreted
GH30	417	PYU1_T015194	449	1.30E-95	7	313	116	448	0.73381295	Pythium_ultimum_var_ultimum	Pythium	GH30_PYU1_T015194	Oomycete	pyuu	pyuu_T015194	pyuu_T015194
GT1	382	PYU1_T015214	350	6.80E-31	203	378	37	247	0.458115183	Pythium_ultimum_var_ultimum	Pythium	GT1_PYU1_T015214	Oomycete	pyuu	pyuu_T015214	pyuu_T015214
CE1	227	maker-pve_contig_10-snap-gene-0.22-mRNA-1	640	4.40E-11	9	143	265	480	0.59030837	Pythium_vexans	Pythium	CE1_maker-pve_contig_10-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_100221	pyve_100221
CBM63	78	maker-pve_contig_10-fgenesh-gene-0.3-mRNA-1	757	1.10E-09	2	75	136	206	0.935897436	Pythium_vexans	Pythium	CBM63_maker-pve_contig_10-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_10031	pyve_10031
CBM63	78	maker-pve_contig_10-fgenesh-gene-0.3-mRNA-1	757	0.000011	2	74	561	634	0.923076923	Pythium_vexans	Pythium	CBM63_maker-pve_contig_10-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_10031	pyve_10031
GH1	429	maker-pve_contig_1009-fgenesh-gene-0.0-mRNA-1	218	5.80E-76	4	185	29	214	0.421911422	Pythium_vexans	Pythium	GH1_maker-pve_contig_1009-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1009001	pyve_1009001_secreted
GT31	192	maker-pve_contig_1010-snap-gene-0.8-mRNA-1	410	0.00000006	49	189	163	291	0.729166667	Pythium_vexans	Pythium	GT31_maker-pve_contig_1010-snap-gene-0.8-mRNA-1	Oomycete	pyve	pyve_1010081	pyve_1010081
GH28	325	maker-pve_contig_1019-fgenesh-gene-0.0-mRNA-1	359	1.30E-60	6	317	44	358	0.956923077	Pythium_vexans	Pythium	GH28_maker-pve_contig_1019-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1019001	pyve_1019001_secreted
GT41	705	maker-pve_contig_1021-fgenesh-gene-0.0-mRNA-1	2168	5.30E-88	92	535	53	608	0.628368794	Pythium_vexans	Pythium	GT41_maker-pve_contig_1021-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1021001	pyve_1021001_secreted
GH18	296	maker-pve_contig_1-fgenesh-gene-0.25-mRNA-1	432	3.10E-37	51	280	115	402	0.773648649	Pythium_vexans	Pythium	GH18_maker-pve_contig_1-fgenesh-gene-0.25-mRNA-1	Oomycete	pyve	pyve_10251	pyve_10251_secreted
GT4	160	maker-pve_contig_1027-snap-gene-0.4-mRNA-1	510	3.40E-24	6	158	324	478	0.95	Pythium_vexans	Pythium	GT4_maker-pve_contig_1027-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_1027041	pyve_1027041
GH16	189	maker-pve_contig_1028-fgenesh-gene-0.1-mRNA-1	722	2.00E-10	110	189	434	561	0.417989418	Pythium_vexans	Pythium	GH16_maker-pve_contig_1028-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1028011	pyve_1028011
GH16	189	maker-pve_contig_1028-fgenesh-gene-0.1-mRNA-1	722	0.0000003	4	97	61	226	0.492063492	Pythium_vexans	Pythium	GH16_maker-pve_contig_1028-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1028011	pyve_1028011
PL6	372	maker-pve_contig_1057-snap-gene-0.1-mRNA-1	2198	0.00000099	9	161	1701	1843	0.408602151	Pythium_vexans	Pythium	PL6_maker-pve_contig_1057-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1057011	pyve_1057011
GH3	216	maker-pve_contig_1079-fgenesh-gene-0.1-mRNA-1	777	8.30E-60	5	214	111	322	0.967592593	Pythium_vexans	Pythium	GH3_maker-pve_contig_1079-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1079011	pyve_1079011_secreted
PL1	202	maker-pve_contig_1080-fgenesh-gene-0.0-mRNA-1	352	4.80E-12	127	199	190	260	0.356435644	Pythium_vexans	Pythium	PL1_maker-pve_contig_1080-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1080001	pyve_1080001_secreted
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	407	0.00000031	2	29	336	361	0.931034483	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_1100111	pyve_1100111
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	407	0.0000005	1	27	119	143	0.896551724	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_1100111	pyve_1100111
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	407	0.000025	2	24	238	258	0.75862069	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_1100111	pyve_1100111
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	513	5.50E-10	2	29	236	264	0.931034483	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_110041	pyve_110041_secreted
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	513	0.00000014	1	29	405	431	0.965517241	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_110041	pyve_110041_secreted
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	513	0.000000043	1	29	176	206	0.965517241	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_110041	pyve_110041_secreted
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	513	0.00000022	1	29	483	508	0.965517241	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_110041	pyve_110041_secreted
CBM1	29	maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	513	0.00063	2	29	370	395	0.931034483	Pythium_vexans	Pythium	CBM1_maker-pve_contig_110-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_110041	pyve_110041_secreted
GH31	427	maker-pve_contig_110-fgenesh-gene-0.9-mRNA-1	958	7.50E-142	2	427	344	819	0.995316159	Pythium_vexans	Pythium	GH31_maker-pve_contig_110-fgenesh-gene-0.9-mRNA-1	Oomycete	pyve	pyve_110091	pyve_110091
CE1	227	maker-pve_contig_11-fgenesh-gene-0.1-mRNA-1	432	0.0000045	15	142	76	221	0.559471366	Pythium_vexans	Pythium	CE1_maker-pve_contig_11-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_11011	pyve_11011_secreted
GH5	275	maker-pve_contig_1102-fgenesh-gene-0.3-mRNA-1	621	1.40E-38	5	235	162	517	0.836363636	Pythium_vexans	Pythium	GH5_maker-pve_contig_1102-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1102031	pyve_1102031
GH72	312	maker-pve_contig_11-fgenesh-gene-0.4-mRNA-1	504	5.30E-78	3	284	23	332	0.900641026	Pythium_vexans	Pythium	GH72_maker-pve_contig_11-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_11041	pyve_11041_secreted
CE1	227	maker-pve_contig_11-snap-gene-0.49-mRNA-1	436	0.00000012	15	141	78	218	0.555066079	Pythium_vexans	Pythium	CE1_maker-pve_contig_11-snap-gene-0.49-mRNA-1	Oomycete	pyve	pyve_110491	pyve_110491_secreted
GH3	216	maker-pve_contig_1122-fgenesh-gene-0.1-mRNA-1	776	2.40E-62	4	200	111	309	0.907407407	Pythium_vexans	Pythium	GH3_maker-pve_contig_1122-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1122011	pyve_1122011_secreted
PL1	202	maker-pve_contig_1123-fgenesh-gene-0.1-mRNA-1	378	1.40E-26	20	199	123	291	0.886138614	Pythium_vexans	Pythium	PL1_maker-pve_contig_1123-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1123011	pyve_1123011_secreted
CE13	355	maker-pve_contig_113-fgenesh-gene-0.4-mRNA-1	932	3.30E-20	36	219	568	765	0.515492958	Pythium_vexans	Pythium	CE13_maker-pve_contig_113-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_113041	pyve_113041_secreted
CE13	355	maker-pve_contig_113-fgenesh-gene-0.4-mRNA-1	932	8.30E-19	33	173	87	239	0.394366197	Pythium_vexans	Pythium	CE13_maker-pve_contig_113-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_113041	pyve_113041_secreted
GT22	389	maker-pve_contig_1134-fgenesh-gene-0.1-mRNA-1	479	3.60E-69	4	376	13	387	0.956298201	Pythium_vexans	Pythium	GT22_maker-pve_contig_1134-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1134011	pyve_1134011
GH78	504	maker-pve_contig_1140-fgenesh-gene-0.0-mRNA-1	698	3.50E-79	6	503	64	639	0.986111111	Pythium_vexans	Pythium	GH78_maker-pve_contig_1140-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1140001	pyve_1140001_secreted
CBM32	124	maker-pve_contig_1-snap-gene-1.46-mRNA-1	178	0.00027	12	66	23	84	0.435483871	Pythium_vexans	Pythium	CBM32_maker-pve_contig_1-snap-gene-1.46-mRNA-1	Oomycete	pyve	pyve_11461	pyve_11461
GT20	475	fgenesh_masked-pve_contig_115-abinit-gene-0.59-mRNA-1	4172	3.90E-103	12	474	19	556	0.972631579	Pythium_vexans	Pythium	GT20_fgenesh_masked-pve_contig_115-abinit-gene-0.59-mRNA-1	Oomycete	pyve	pyve_1150591	pyve_1150591
GT71	264	maker-pve_contig_1160-snap-gene-0.2-mRNA-1	379	5.70E-47	2	249	80	295	0.935606061	Pythium_vexans	Pythium	GT71_maker-pve_contig_1160-snap-gene-0.2-mRNA-1	Oomycete	pyve	pyve_1160021	pyve_1160021
CBM25	78	maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	847	2.30E-14	4	77	34	110	0.935897436	Pythium_vexans	Pythium	CBM25_maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1165001	pyve_1165001_secreted
CBM25	78	maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	847	4.80E-14	11	77	145	215	0.846153846	Pythium_vexans	Pythium	CBM25_maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1165001	pyve_1165001_secreted
GH31	427	maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	847	1.10E-109	3	324	460	847	0.75175644	Pythium_vexans	Pythium	GH31_maker-pve_contig_1165-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1165001	pyve_1165001_secreted
GH31	427	maker-pve_contig_1165-snap-gene-0.3-mRNA-1	507	9.50E-67	2	218	232	492	0.505854801	Pythium_vexans	Pythium	GH31_maker-pve_contig_1165-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1165031	pyve_1165031
GT71	264	maker-pve_contig_117-fgenesh-gene-0.0-mRNA-1	474	5.20E-45	2	262	93	367	0.984848485	Pythium_vexans	Pythium	GT71_maker-pve_contig_117-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_117001	pyve_117001
GT2	168	maker-pve_contig_119-snap-gene-0.26-mRNA-1	252	7.50E-41	1	168	9	190	0.994047619	Pythium_vexans	Pythium	GT2_maker-pve_contig_119-snap-gene-0.26-mRNA-1	Oomycete	pyve	pyve_1190261	pyve_1190261
CE10	341	fgenesh_masked-pve_contig_1194-abinit-gene-0.14-mRNA-1	327	2.50E-27	69	277	85	299	0.609970675	Pythium_vexans	Pythium	CE10_fgenesh_masked-pve_contig_1194-abinit-gene-0.14-mRNA-1	Oomycete	pyve	pyve_11940141	pyve_11940141
GH47	446	maker-pve_contig_120-snap-gene-0.22-mRNA-1	781	2.10E-130	1	430	46	472	0.961883408	Pythium_vexans	Pythium	GH47_maker-pve_contig_120-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_1200221	pyve_1200221_secreted
CBM20	90	maker-pve_contig_120-snap-gene-0.38-mRNA-1	1268	0.0000043	2	82	21	118	0.888888889	Pythium_vexans	Pythium	CBM20_maker-pve_contig_120-snap				

CBM13	188	maker-pve_contig_123-snap-gene-0.26-mRNA-1	653	3.20E-13	15	129	532	646	0.606382979	Pythium_vexans	Pythium	CBM13_maker-pve_contig_123-snap-gene-0.26-mRNA-1	Oomycete	pyve	pyve_1230261	pyve_1230261_secreted
GH17	311	maker-pve_contig_123-snap-gene-0.26-mRNA-1	653	2.70E-23	10	309	30	288	0.961414791	Pythium_vexans	Pythium	GH17_maker-pve_contig_123-snap-gene-0.26-mRNA-1	Oomycete	pyve	pyve_1230261	pyve_1230261_secreted
GH16	189	maker-pve_contig_124-snap-gene-0.20-mRNA-1	798	3.00E-10	129	189	479	591	0.317460318	Pythium_vexans	Pythium	GH16_maker-pve_contig_124-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_1240201	pyve_1240201
GH16	189	maker-pve_contig_124-snap-gene-0.20-mRNA-1	798	0.0000013	4	102	81	256	0.518518519	Pythium_vexans	Pythium	GH16_maker-pve_contig_124-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_1240201	pyve_1240201
CE10	341	maker-pve_contig_125-snap-gene-0.31-mRNA-1	733	1.30E-44	93	328	462	721	0.68914956	Pythium_vexans	Pythium	CE10_maker-pve_contig_125-snap-gene-0.31-mRNA-1	Oomycete	pyve	pyve_1250311	pyve_1250311
GH31	427	maker-pve_contig_125-snap-gene-0.34-mRNA-1	1187	4.50E-100	3	427	410	958	0.992974239	Pythium_vexans	Pythium	GH31_maker-pve_contig_125-snap-gene-0.34-mRNA-1	Oomycete	pyve	pyve_1250341	pyve_1250341
GT4	160	maker-pve_contig_1252-fgenesh-gene-0.0-mRNA-1	539	0.00027	71	136	357	422	0.40625	Pythium_vexans	Pythium	GT4_maker-pve_contig_1252-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1252001	pyve_1252001
GT4	160	maker-pve_contig_1252-snap-gene-0.4-mRNA-1	357	0.0000027	55	142	182	265	0.54375	Pythium_vexans	Pythium	GT4_maker-pve_contig_1252-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_1252041	pyve_1252041
GT2	168	maker-pve_contig_1266-fgenesh-gene-0.0-mRNA-1	541	0.000068	42	115	299	371	0.43452381	Pythium_vexans	Pythium	GT2_maker-pve_contig_1266-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1266001	pyve_1266001
GT71	264	maker-pve_contig_1268-fgenesh-gene-0.0-mRNA-1	415	1.40E-51	2	264	77	306	0.992424242	Pythium_vexans	Pythium	GT71_maker-pve_contig_1268-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1268001	pyve_1268001
GH81	622	maker-pve_contig_127-snap-gene-0.20-mRNA-1	696	4.10E-152	12	540	113	696	0.848874598	Pythium_vexans	Pythium	GH81_maker-pve_contig_127-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_1270201	pyve_1270201
GT4	160	maker-pve_contig_1277-fgenesh-gene-0.1-mRNA-1	480	1.10E-30	12	147	229	363	0.84375	Pythium_vexans	Pythium	GT4_maker-pve_contig_1277-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1277011	pyve_1277011
GH7	415	maker-pve_contig_128-fgenesh-gene-0.11-mRNA-1	467	1.60E-179	1	414	21	467	0.995180723	Pythium_vexans	Pythium	GH7_maker-pve_contig_128-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_1280111	pyve_1280111_secreted
AA3	618	snap_masked-pve_contig_1286-abinit-gene-0.11-mRNA-1	425	3.00E-35	145	344	39	423	0.322006473	Pythium_vexans	Pythium	AA3_snap_masked-pve_contig_1286-abinit-gene-0.11-mRNA-1	Oomycete	pyve	pyve_12860111	pyve_12860111
PL1	202	maker-pve_contig_1291-snap-gene-0.4-mRNA-1	377	1.40E-27	21	189	130	296	0.831683168	Pythium_vexans	Pythium	PL1_maker-pve_contig_1291-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_1291041	pyve_1291041_secreted
GH17	311	maker-pve_contig_130-fgenesh-gene-0.7-mRNA-1	518	5.50E-16	22	306	27	272	0.91318328	Pythium_vexans	Pythium	GH17_maker-pve_contig_130-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_130071	pyve_130071
GH16	189	maker-pve_contig_1304-snap-gene-0.1-mRNA-1	792	0.00000094	4	90	57	244	0.455026455	Pythium_vexans	Pythium	GH16_maker-pve_contig_1304-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1304011	pyve_1304011_secreted
GT4	160	maker-pve_contig_1307-snap-gene-0.4-mRNA-1	345	0.000081	63	137	195	269	0.4625	Pythium_vexans	Pythium	GT4_maker-pve_contig_1307-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_1307041	pyve_1307041
GT4	160	maker-pve_contig_1307-snap-gene-0.6-mRNA-1	171	0.000001	80	135	33	88	0.34375	Pythium_vexans	Pythium	GT4_maker-pve_contig_1307-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_1307061	pyve_1307061
CBM9	182	maker-pve_contig_1309-snap-gene-0.6-mRNA-1	422	9.10E-32	1	160	69	264	0.873626374	Pythium_vexans	Pythium	CBM9_maker-pve_contig_1309-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_1309061	pyve_1309061_secreted
GH3	216	maker-pve_contig_1336-snap-gene-0.1-mRNA-1	598	2.90E-57	5	206	114	317	0.930555556	Pythium_vexans	Pythium	GH3_maker-pve_contig_1336-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1336011	pyve_1336011_secreted
CE1	227	maker-pve_contig_1347-snap-gene-0.1-mRNA-1	294	0.0000056	26	122	38	164	0.422907489	Pythium_vexans	Pythium	CE1_maker-pve_contig_1347-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1347011	pyve_1347011
GT4	160	maker-pve_contig_1350-snap-gene-0.5-mRNA-1	442	0.0003	86	136	249	298	0.3125	Pythium_vexans	Pythium	GT4_maker-pve_contig_1350-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_1350051	pyve_1350051
GH81	622	maker-pve_contig_135-snap-gene-0.15-mRNA-1	703	3.30E-132	11	493	58	594	0.774919614	Pythium_vexans	Pythium	GH81_maker-pve_contig_135-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_1350151	pyve_1350151_secreted
CE10	341	maker-pve_contig_1359-snap-gene-0.2-mRNA-1	505	6.20E-31	76	204	102	249	0.375366569	Pythium_vexans	Pythium	CE10_maker-pve_contig_1359-snap-gene-0.2-mRNA-1	Oomycete	pyve	pyve_1359021	pyve_1359021_secreted
CE10	341	maker-pve_contig_1359-snap-gene-0.3-mRNA-1	344	4.00E-30	76	226	51	217	0.439882698	Pythium_vexans	Pythium	CE10_maker-pve_contig_1359-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1359031	pyve_1359031
CBM63	78	maker-pve_contig_1377-fgenesh-gene-0.1-mRNA-1	256	0.00000088	3	69	133	198	0.846153846	Pythium_vexans	Pythium	CBM63_maker-pve_contig_1377-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1377011	pyve_1377011_secreted
GH109	126	maker-pve_contig_138-fgenesh-gene-0.2-mRNA-1	342	2.30E-12	1	125	14	128	0.984126984	Pythium_vexans	Pythium	GH109_maker-pve_contig_138-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_138021	pyve_138021
GT20	475	snap_masked-pve_contig_138-abinit-gene-0.61-mRNA-1	891	6.60E-151	11	474	75	542	0.974736842	Pythium_vexans	Pythium	GT20_snap_masked-pve_contig_138-abinit-gene-0.61-mRNA-1	Oomycete	pyve	pyve_1380611	pyve_1380611
CBM47	128	maker-pve_contig_139-snap-gene-0.31-mRNA-1	2238	0.0000002	8	125	1164	1324	0.9140625	Pythium_vexans	Pythium	CBM47_maker-pve_contig_139-snap-gene-0.31-mRNA-1	Oomycete	pyve	pyve_1390311	pyve_1390311
CE10	341	fgenesh_masked-pve_contig_140-abinit-gene-0.43-mRNA-1	1636	2.20E-29	76	188	1185	1318	0.328445748	Pythium_vexans	Pythium	CE10_fgenesh_masked-pve_contig_140-abinit-gene-0.43-mRNA-1	Oomycete	pyve	pyve_1400431	pyve_1400431
GH85	315	maker-pve_contig_1431-snap-gene-0.1-mRNA-1	919	1.80E-65	12	312	300	577	0.952380952	Pythium_vexans	Pythium	GH85_maker-pve_contig_1431-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1431011	pyve_1431011
GH17	311	maker-pve_contig_146-snap-gene-0.7-mRNA-1	496	2.10E-17	2	309	21	275	0.987138264	Pythium_vexans	Pythium	GH17_maker-pve_contig_146-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_146071	pyve_146071
AA7	458	maker-pve_contig_148-fgenesh-gene-0.3-mRNA-1	809	2.60E-15	5	187	325	512	0.397379913	Pythium_vexans	Pythium	AA7_maker-pve_contig_148-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_148031	pyve_148031
GH38	269	maker-pve_contig_1497-snap-gene-0.1-mRNA-1	793	3.40E-52	49	268	83	336	0.814126394	Pythium_vexans	Pythium	GH38_maker-pve_contig_1497-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1497011	pyve_1497011_secreted
GH3	216	maker-pve_contig_1504-snap-gene-0.1-mRNA-1	690	2.90E-57	5	202	36	243	0.912037037	Pythium_vexans	Pythium	GH3_maker-pve_contig_1504-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1504011	pyve_1504011
CE1	227	maker-pve_contig_1507-fgenesh-gene-0.0-mRNA-1	282	1.60E-46	3	225	23	278	0.977973568	Pythium_vexans	Pythium	CE1_maker-pve_contig_1507-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1507001	pyve_1507001
GT66	693	fgenesh_masked-pve_contig_151-abinit-gene-0.58-mRNA-1	851	6.70E-171	11	601	30	659	0.851370851	Pythium_vexans	Pythium	GT66_fgenesh_masked-pve_contig_151-abinit-gene-0.58-mRNA-1	Oomycete	pyve	pyve_1510581	pyve_1510581
GT8	257	maker-pve_contig_1529-snap-gene-0.1-mRNA-1	365	9.30E-30	25	254	101	330	0.891050584	Pythium_vexans	Pythium	GT8_maker-pve_contig_1529-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1529011	pyve_1529011
CE10	341	maker-pve_contig_153-fgenesh-gene-0.5-mRNA-1	802	4.50E-22	69	314	519	784	0.718475073	Pythium_vexans	Pythium	CE10_maker-pve_contig_153-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_153051	pyve_153051
GT71	264	maker-pve_contig_1537-fgenesh-gene-0.0-mRNA-1	287	1.30E-28	2	129	125	268	0.481060606	Pythium_vexans	Pythium	GT71_maker-pve_contig_1537-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1537001	pyve_1537001
GT71	264	maker-pve_contig_1537-snap-gene-0.3-mRNA-1	396	3.40E-39	2	237	64	318	0.890151515	Pythium_vexans	Pythium	GT71_maker-pve_contig_1537-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1537031	pyve_1537031
GH81	622	maker-pve_contig_1542-fgenesh-gene-0.0-mRNA-1	441	1.70E-58	11	325	86	441	0.504823151	Pythium_vexans	Pythium	GH81_maker-pve_contig_1542-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1542001	pyve_1542001_secreted
GH81	622	maker-pve_contig_1542-fgenesh-gene-0.1-mRNA-1	350	1.10E-112	330	621	10	309	0.467845659	Pythium_vexans	Pythium	GH81_maker-pve_contig_1542-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1542011	pyve_1542011
CE3	194	maker-pve_contig_1544-snap-gene-0.2-mRNA-1	308	3.40E-12	4	187	67	277	0.943298969	Pythium_vexans	Pythium	CE3_maker-pve_contig_1544-snap-gene-0.2-mRNA-1	Oomycete	pyve	pyve_1544021	pyve_1544021
GT20	475	maker-pve_contig_155-fgenesh-gene-0.6-mRNA-1	956	3.70E-141	15	473	22	529	0.964210526	Pythium_vexans	Pythium	GT20_maker-pve_contig_155-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_155061	pyve_155061
GH5	275	maker-pve_contig_157-snap-gene-0.22-mRNA-1	486	2.40E-34	27	243	11	305	0.785454546	Pythium_vexans	Pythium	GH5_maker-pve_contig_157-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_1570221	pyve_1570221
GT1	382	maker-pve_contig_159-snap-gene-0.22-mRNA-1	637	7.60E-21	90	381	231	545	0.761780105	Pythium_vexans	Pythium	GT1_maker-pve_contig_159-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_1590221	pyve_1590221
GH47	446	maker-pve_contig_1591-fgenesh-gene-0.0-mRNA-1	432	7.30E-72	184	446	161	429	0.587443946	Pythium_vexans	Pythium	GH47_maker-pve_contig_1591-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1591001	pyve_1591001_secreted
GT71	264	maker-pve_contig_1614-snap-gene-0.3-mRNA-1	496	1.40E-27	2	130	91	233	0.484848485	Pythium_vexans	Pythium	GT71_maker-pve_contig_1614-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1614031	pyve_1614031
GT71	264	maker-pve_contig_1614-snap-gene-0.3-mRNA-1	496	0.00000037	129	231	305	410	0.386363636	Pythium_vexans	Pythium	GT71_maker-pve_contig_1614-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_1614031	pyve_1614031
CBM37	62	snap_masked-pve_contig_162-abinit-gene-0.16-mRNA-1	7445	0.0000017	38	61	6766	6792	0.370967742	Pythium_vexans	Pythium	CBM37_snap_masked-pve_contig_162-abinit-gene-0.16-mRNA-1	Oomycete	pyve	pyve_1620161	pyve_1620161_secreted
PL1	202	maker-pve_contig_1635-fgenesh-gene-0.0-mRNA-1	403	1.70E-39	18	199	124	316	0.896039604	Pythium_vexans	Pythium	PL1_maker-pve_contig_1635-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_1635001	pyve_1635001_secreted
GH114	190	maker-pve_contig_166-fgenesh-gene-0.13-mRNA-1	347	4.90E-76	1	190	31	220	0.994736842	Pythium_vexans	Pythium	GH114_maker-pve_contig_166-fgenesh-gene-0.13-mRNA-1	Oomycete	pyve	pyve_1660131	pyve_1660131_secreted
GH114	190	maker-pve_contig_166-fgenesh-gene-0.14-mRNA-1	307	2.70E-73	1	190	31	220	0.994736842	Pythium_vexans	Pythium	GH114_maker-pve_contig_166-fgenesh-gene-0.14-mRNA-1	Oomycete	pyve	pyve_1660141	pyve_1660141
GH72	312	maker-pve_contig_166-snap-gene-0.26-mRNA-1	565	6.50E-72	5	284	48	347	0.894230769	Pythium_vexans	Pythium	GH72_maker-pve_contig_166-snap-gene-0.26-mRNA-1	Oomycete	pyve	pyve_1660261	pyve_1660261_secreted
GH19	231	maker-pve_contig_1668-snap-gene-0.1-mRNA-1	246	3.10E-64	7	231	42	244	0.96969697	Pythium_vexans	Pythium	GH19_maker-pve_contig_1668-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1668011	pyve_1668011
GT2	168	maker-pve_contig_170-snap-gene-0.12-mRNA-1	962	1.70E-16	2	168	325	643	0.988095238	Pythium_vexans	Pythium	GT2_maker-pve_contig_170-snap-gene-0.12-mRNA-1	Oomycete	pyve	pyve_1700121	pyve_1700121
GT2	168	maker-pve_contig_170-snap-gene-0.13-mRNA-1	1001	0.0000013	105	168	618	681	0.375	Pythium_vexans	Pythium	GT2_maker-pve_contig_170-snap-gene-0.13-mRNA-1	Oomycete	pyve	pyve_1700131	

GH3	216	maker-pve_contig_180-fgenesh-gene-0.6-mRNA-1	780	6.70E-68	3	215	71	325	0.981481482	Pythium_vexans	Pythium	GH3_maker-pve_contig_180-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_180061	pyve_180061_secreted
GH71	375	maker-pve_contig_18-fgenesh-gene-0.26-mRNA-1	544	8.90E-69	1	367	132	514	0.976	Pythium_vexans	Pythium	GH71_maker-pve_contig_18-fgenesh-gene-0.26-mRNA-1	Oomycete	pyve	pyve_180261	pyve_180261_secreted
GH5	275	maker-pve_contig_182-snap-gene-0.19-mRNA-1	605	2.70E-23	6	235	34	354	0.832727273	Pythium_vexans	Pythium	GH5_maker-pve_contig_182-snap-gene-0.19-mRNA-1	Oomycete	pyve	pyve_1820191	pyve_1820191_secreted
GH30	417	maker-pve_contig_1851-snap-gene-0.1-mRNA-1	423	1.60E-61	10	270	101	343	0.623501199	Pythium_vexans	Pythium	GH30_maker-pve_contig_1851-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1851011	pyve_1851011
GT41	705	maker-pve_contig_186-snap-gene-0.15-mRNA-1	1052	9.30E-70	147	514	475	1043	0.520567376	Pythium_vexans	Pythium	GT41_maker-pve_contig_186-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_1860151	pyve_1860151
GH38	269	maker-pve_contig_1878-snap-gene-0.1-mRNA-1	131	1.70E-19	1	97	52	131	0.356877323	Pythium_vexans	Pythium	GH38_maker-pve_contig_1878-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_1878011	pyve_1878011_secreted
CE7	313	maker-pve_contig_189-snap-gene-0.26-mRNA-1	522	0.000000001	157	299	143	288	0.453674121	Pythium_vexans	Pythium	CE7_maker-pve_contig_189-snap-gene-0.26-mRNA-1	Oomycete	pyve	pyve_1890261	pyve_1890261
GH81	622	fgenesh_masked-pve_contig_19-abinit-gene-0.111-mRNA-1	1370	2.20E-161	12	622	641	1355	0.980707396	Pythium_vexans	Pythium	GH81_fgenesh_masked-pve_contig_19-abinit-gene-0.111-mRNA-1	Oomycete	pyve	pyve_1901111	pyve_1901111
GH72	312	maker-pve_contig_19-fgenesh-gene-0.17-mRNA-1	1560	2.30E-69	4	284	502	809	0.897435897	Pythium_vexans	Pythium	GH72_maker-pve_contig_19-fgenesh-gene-0.17-mRNA-1	Oomycete	pyve	pyve_190171	pyve_190171
GH72	312	maker-pve_contig_19-fgenesh-gene-0.17-mRNA-1	1560	1.30E-53	5	201	26	232	0.628205128	Pythium_vexans	Pythium	GH72_maker-pve_contig_19-fgenesh-gene-0.17-mRNA-1	Oomycete	pyve	pyve_190171	pyve_190171
CE10	341	maker-pve_contig_19-snap-gene-0.25-mRNA-1	373	3.80E-41	94	336	109	358	0.709677419	Pythium_vexans	Pythium	CE10_maker-pve_contig_19-snap-gene-0.25-mRNA-1	Oomycete	pyve	pyve_190251	pyve_190251_secreted
GH72	312	maker-pve_contig_19-fgenesh-gene-0.7-mRNA-1	386	6.00E-53	5	203	23	231	0.634615385	Pythium_vexans	Pythium	GH72_maker-pve_contig_19-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_19071	pyve_19071_secreted
GT8	257	maker-pve_contig_192-fgenesh-gene-0.4-mRNA-1	508	4.20E-26	37	235	27	245	0.770428016	Pythium_vexans	Pythium	GT8_maker-pve_contig_192-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_192041	pyve_192041
GH5	275	maker-pve_contig_196-snap-gene-0.12-mRNA-1	569	2.20E-29	5	240	161	510	0.854545455	Pythium_vexans	Pythium	GH5_maker-pve_contig_196-snap-gene-0.12-mRNA-1	Oomycete	pyve	pyve_1960121	pyve_1960121
GH5	275	maker-pve_contig_199-snap-gene-0.22-mRNA-1	694	8.80E-26	3	235	27	522	0.843636364	Pythium_vexans	Pythium	GH5_maker-pve_contig_199-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_1990221	pyve_1990221
GT4	160	maker-pve_contig_2005-snap-gene-0.0-mRNA-1	254	0.0000063	65	134	67	136	0.43125	Pythium_vexans	Pythium	GT4_maker-pve_contig_2005-snap-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2005001	pyve_2005001
AA6	195	maker-pve_contig_20-fgenesh-gene-0.6-mRNA-1	200	2.60E-77	1	195	3	197	0.994871795	Pythium_vexans	Pythium	AA6_maker-pve_contig_20-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_20061	pyve_20061
PL3	197	maker-pve_contig_2010-snap-gene-0.1-mRNA-1	233	8.70E-38	87	195	95	204	0.54822335	Pythium_vexans	Pythium	PL3_maker-pve_contig_2010-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2010011	pyve_2010011_secreted
CBM47	128	fgenesh_masked-pve_contig_201-abinit-gene-0.45-mRNA-1	455	3.40E-10	2	61	195	247	0.4609375	Pythium_vexans	Pythium	CBM47_fgenesh_masked-pve_contig_201-abinit-gene-0.45-mRNA-1	Oomycete	pyve	pyve_2010451	pyve_2010451
GH37	491	maker-pve_contig_203-fgenesh-gene-0.15-mRNA-1	602	9.70E-110	173	491	254	587	0.647657841	Pythium_vexans	Pythium	GH37_maker-pve_contig_203-fgenesh-gene-0.15-mRNA-1	Oomycete	pyve	pyve_2030151	pyve_2030151_secreted
GH37	491	maker-pve_contig_203-fgenesh-gene-0.15-mRNA-1	602	3.20E-32	1	151	75	252	0.305498982	Pythium_vexans	Pythium	GH37_maker-pve_contig_203-fgenesh-gene-0.15-mRNA-1	Oomycete	pyve	pyve_2030151	pyve_2030151_secreted
CBM20	90	maker-pve_contig_203-snap-gene-0.18-mRNA-1	1196	0.0000031	2	85	110	196	0.922222222	Pythium_vexans	Pythium	CBM20_maker-pve_contig_203-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_2030181	pyve_2030181
GT20	475	maker-pve_contig_203-snap-gene-0.18-mRNA-1	1196	6.70E-135	13	474	314	811	0.970526316	Pythium_vexans	Pythium	GT20_maker-pve_contig_203-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_2030181	pyve_2030181
GH37	491	maker-pve_contig_203-snap-gene-0.30-mRNA-1	745	1.60E-136	2	491	200	738	0.99592668	Pythium_vexans	Pythium	GH37_maker-pve_contig_203-snap-gene-0.30-mRNA-1	Oomycete	pyve	pyve_2030301	pyve_2030301
CE10	341	maker-pve_contig_2041-snap-gene-0.1-mRNA-1	377	4.30E-31	75	188	101	235	0.331378299	Pythium_vexans	Pythium	CE10_maker-pve_contig_2041-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2041011	pyve_2041011_secreted
GT60	330	maker-pve_contig_205-fgenesh-gene-0.11-mRNA-1	540	5.50E-58	2	330	69	381	0.993939394	Pythium_vexans	Pythium	GT60_maker-pve_contig_205-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_2050111	pyve_2050111
GH3	216	maker-pve_contig_2067-fgenesh-gene-0.0-mRNA-1	526	3.20E-58	6	208	4	216	0.935185185	Pythium_vexans	Pythium	GH3_maker-pve_contig_2067-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2067001	pyve_2067001
CBM47	128	maker-pve_contig_207-snap-gene-0.16-mRNA-1	5397	0.000000002	3	62	4832	4892	0.4609375	Pythium_vexans	Pythium	CBM47_maker-pve_contig_207-snap-gene-0.16-mRNA-1	Oomycete	pyve	pyve_2070161	pyve_2070161
GH30	417	maker-pve_contig_2087-snap-gene-0.1-mRNA-1	509	9.00E-114	8	416	53	507	0.978417266	Pythium_vexans	Pythium	GH30_maker-pve_contig_2087-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2087011	pyve_2087011
GH130	417	fgenesh_masked-pve_contig_210-abinit-gene-0.50-mRNA-1	873	1.30E-57	10	416	395	868	0.973621103	Pythium_vexans	Pythium	GH130_fgenesh_masked-pve_contig_210-abinit-gene-0.50-mRNA-1	Oomycete	pyve	pyve_2100501	pyve_2100501
GT59	404	maker-pve_contig_211-snap-gene-0.15-mRNA-1	497	2.40E-97	9	404	68	452	0.977722772	Pythium_vexans	Pythium	GT59_maker-pve_contig_211-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_2110151	pyve_2110151
GT8	257	maker-pve_contig_2126-fgenesh-gene-0.0-mRNA-1	258	2.80E-32	33	253	2	222	0.856031128	Pythium_vexans	Pythium	GT8_maker-pve_contig_2126-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2126001	pyve_2126001
GH81	622	maker-pve_contig_213-fgenesh-gene-0.7-mRNA-1	733	2.80E-169	17	621	56	726	0.971061093	Pythium_vexans	Pythium	GH81_maker-pve_contig_213-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_213071	pyve_213071_secreted
PL1	202	maker-pve_contig_2131-fgenesh-gene-0.0-mRNA-1	260	1.70E-17	20	170	92	241	0.742574257	Pythium_vexans	Pythium	PL1_maker-pve_contig_2133-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2133001	pyve_2133001
PL1	202	maker-pve_contig_2141-fgenesh-gene-0.0-mRNA-1	176	7.60E-11	116	187	94	175	0.351485149	Pythium_vexans	Pythium	PL1_maker-pve_contig_2141-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2141001	pyve_2141001
AA8	815	maker-pve_contig_215-fgenesh-gene-0.8-mRNA-1	285	1.40E-54	237	501	18	285	0.32392638	Pythium_vexans	Pythium	AA8_maker-pve_contig_215-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_215081	pyve_215081_secreted
AA9	220	maker-pve_contig_216-snap-gene-0.20-mRNA-1	399	0.00000038	68	204	49	189	0.618181818	Pythium_vexans	Pythium	AA9_maker-pve_contig_216-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_2160201	pyve_2160201_secreted
GH18	296	maker-pve_contig_22-snap-gene-0.37-mRNA-1	416	1.70E-17	75	263	199	401	0.635135135	Pythium_vexans	Pythium	GH18_maker-pve_contig_22-snap-gene-0.37-mRNA-1	Oomycete	pyve	pyve_220371	pyve_220371_secreted
GT20	475	maker-pve_contig_22-snap-gene-0.57-mRNA-1	1299	3.30E-104	12	337	70	413	0.684210526	Pythium_vexans	Pythium	GT20_maker-pve_contig_22-snap-gene-0.57-mRNA-1	Oomycete	pyve	pyve_220571	pyve_220571
GT20	475	maker-pve_contig_22-snap-gene-0.57-mRNA-1	1299	5.20E-62	321	473	491	724	0.32	Pythium_vexans	Pythium	GT20_maker-pve_contig_22-snap-gene-0.57-mRNA-1	Oomycete	pyve	pyve_220571	pyve_220571
CBM50	40	maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	353	6.70E-10	1	39	28	83	0.95	Pythium_vexans	Pythium	CBM50_maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_22071	pyve_22071
CBM50	40	maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	353	0.000000011	1	39	271	317	0.95	Pythium_vexans	Pythium	CBM50_maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_22071	pyve_22071
CBM50	40	maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	353	0.000000046	1	38	106	151	0.925	Pythium_vexans	Pythium	CBM50_maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_22071	pyve_22071
CBM50	40	maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	353	0.00005	1	40	200	247	0.975	Pythium_vexans	Pythium	CBM50_maker-pve_contig_22-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_22071	pyve_22071
GT71	264	maker-pve_contig_2228-snap-gene-0.1-mRNA-1	245	1.90E-13	162	257	56	150	0.359848485	Pythium_vexans	Pythium	GT71_maker-pve_contig_2228-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2228011	pyve_2228011
GT96	307	maker-pve_contig_223-fgenesh-gene-0.8-mRNA-1	493	1.70E-11	28	218	152	333	0.618892508	Pythium_vexans	Pythium	GT96_maker-pve_contig_223-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_223081	pyve_223081
CE1	227	maker-pve_contig_224-fgenesh-gene-0.4-mRNA-1	548	0.0000002	6	121	127	234	0.50660793	Pythium_vexans	Pythium	CE1_maker-pve_contig_224-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_224041	pyve_224041
AA3	618	maker-pve_contig_2255-snap-gene-0.1-mRNA-1	362	7.70E-71	75	284	25	340	0.338187702	Pythium_vexans	Pythium	AA3_maker-pve_contig_2255-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2255011	pyve_2255011
CE10	341	maker-pve_contig_2277-fgenesh-gene-0.0-mRNA-1	446	8.60E-27	71	179	101	220	0.316715543	Pythium_vexans	Pythium	CE10_maker-pve_contig_2277-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2277001	pyve_2277001_secreted
CE1	227	maker-pve_contig_228-fgenesh-gene-0.4-mRNA-1	516	0.000000001	13	143	213	351	0.572687225	Pythium_vexans	Pythium	CE1_maker-pve_contig_228-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_228041	pyve_228041
GT4	160	maker-pve_contig_230-fgenesh-gene-0.9-mRNA-1	793	5.20E-28	5	157	398	552	0.95	Pythium_vexans	Pythium	GT4_maker-pve_contig_230-fgenesh-gene-0.9-mRNA-1	Oomycete	pyve	pyve_230091	pyve_230091_secreted
GT4	160	maker-pve_contig_2329-snap-gene-0.0-mRNA-1	197	0.00005	81	135	24	78	0.3375	Pythium_vexans	Pythium	GT4_maker-pve_contig_2329-snap-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2329001	pyve_2329001
CE13	355	maker-pve_contig_234-snap-gene-0.24-mRNA-1	503	6.40E-25	29	198	79	266	0.476056338	Pythium_vexans	Pythium	CE13_maker-pve_contig_234-snap-gene-0.24-mRNA-1	Oomycete	pyve	pyve_2340241	pyve_2340241_secreted
CBM13	188	maker-pve_contig_237-fgenesh-gene-0.2-mRNA-1	757	4.90E-12	6	130	240	373	0.659574468	Pythium_vexans	Pythium	CBM13_maker-pve_contig_237-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_237021	pyve_237021
CBM13	188	maker-pve_contig_237-fgenesh-gene-0.2-mRNA-1	757	0.000000004	6	116	86	200	0.585106383	Pythium_vexans	Pythium	CBM13_maker-pve_contig_237-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_237021	pyve_237021
AA6	195	maker-pve_contig_2376-fgenesh-gene-0.0-mRNA-1	113	2.50E-43	85	195	2	110	0.564102564	Pythium_vexans	Pythium	AA6_maker-pve_contig_2376-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2376001	pyve_2376001
GH10	303	maker-pve_contig_240-fgenesh-gene-0.5-mRNA-1	349	2.20E-91	5	290	33	327	0.940594059	Pythium_vexans	Pythium	GH10_maker-pve_contig_240-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_240051	pyve_240051_secreted
GT71	264	maker-pve_contig_24-fgenesh-gene-0.5-mRNA-1	1952	1.70E-45	2	257	524	786	0.965909091	Pythium_vexans	Pythium	GT71_maker-pve_contig_24-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_24051	pyve_24051
GT71	264	maker-pve_contig_24-fgenesh-gene-0.5-mRNA-1	1952	1.00E-25	1	141	148	293	0.53030303	Pythium_vexans	Pythium	GT71_maker-pve_contig_24-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_24051	pyve_24051
GT58	364	maker-pve_contig_24-snap-gene-0.58-mRNA-1	496	8.40E-123	30	364	1	326	0							

CE10	341	maker-pve_contig_2522-fgenesh-gene-0.0-mRNA-1	156	1.00E-13	193	335	10	142	0.416422287	Pythium_vexans	Pythium	CE10_maker-pve_contig_2522-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2522001	pyve_2522001
CE10	341	maker-pve_contig_2522-fgenesh-gene-0.1-mRNA-1	156	7.40E-15	192	335	7	142	0.419354839	Pythium_vexans	Pythium	CE10_maker-pve_contig_2522-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_2522011	pyve_2522011
CE1	227	maker-pve_contig_2536-fgenesh-gene-0.0-mRNA-1	102	0.0003	29	117	12	91	0.387665198	Pythium_vexans	Pythium	CE1_maker-pve_contig_2536-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2536001	pyve_2536001
GH19	231	maker-pve_contig_2550-fgenesh-gene-0.0-mRNA-1	307	1.40E-64	7	231	84	286	0.96969697	Pythium_vexans	Pythium	GH19_maker-pve_contig_2550-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2550001	pyve_2550001
GH1	429	maker-pve_contig_255-fgenesh-gene-0.7-mRNA-1	418	5.70E-110	4	340	31	418	0.783216783	Pythium_vexans	Pythium	GH1_maker-pve_contig_255-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_255071	pyve_255071_secreted
GH18	296	maker-pve_contig_256-fgenesh-gene-0.7-mRNA-1	370	7.90E-23	24	182	109	301	0.533783784	Pythium_vexans	Pythium	GH18_maker-pve_contig_256-fgenesh-gene-0.7-mRNA-1	Oomycete	pyve	pyve_256071	pyve_256071
AA4	522	maker-pve_contig_258-snap-gene-0.29-mRNA-1	503	5.40E-22	21	191	47	217	0.325670498	Pythium_vexans	Pythium	AA4_maker-pve_contig_258-snap-gene-0.29-mRNA-1	Oomycete	pyve	pyve_2580291	pyve_2580291
GH5	275	fgenesh-pve_contig_26-abinit-gene-0.169-mRNA-1	454	2.60E-38	28	239	136	419	0.767272727	Pythium_vexans	Pythium	GH5_fgenesh-pve_contig_26-abinit-gene-0.169-mRNA-1	Oomycete	pyve	pyve_2601691	pyve_2601691
GH5	275	maker-pve_contig_26-fgenesh-gene-0.19-mRNA-1	388	6.50E-17	100	241	171	347	0.512727273	Pythium_vexans	Pythium	GH5_maker-pve_contig_26-fgenesh-gene-0.19-mRNA-1	Oomycete	pyve	pyve_260191	pyve_260191_secreted
GT2	168	maker-pve_contig_26-fgenesh-gene-0.24-mRNA-1	1035	0.000000001	2	108	358	550	0.630952381	Pythium_vexans	Pythium	GT2_maker-pve_contig_26-fgenesh-gene-0.24-mRNA-1	Oomycete	pyve	pyve_260241	pyve_260241
GH5	275	maker-pve_contig_26-snap-gene-0.50-mRNA-1	388	3.10E-36	28	239	108	366	0.767272727	Pythium_vexans	Pythium	GH5_maker-pve_contig_26-snap-gene-0.50-mRNA-1	Oomycete	pyve	pyve_260501	pyve_260501_secreted
GH38	269	maker-pve_contig_263-fgenesh-gene-0.5-mRNA-1	152	6.80E-30	1	97	55	152	0.356877323	Pythium_vexans	Pythium	GH38_maker-pve_contig_263-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_263051	pyve_263051_secreted
GH89	663	fgenesh_masked-pve_contig_263-abinit-gene-0.57-mRNA-1	846	1.90E-225	2	663	38	715	0.996983409	Pythium_vexans	Pythium	GH89_fgenesh_masked-pve_contig_263-abinit-gene-0.57-mRNA-1	Oomycete	pyve	pyve_2630571	pyve_2630571
GH19	231	maker-pve_contig_2646-fgenesh-gene-0.0-mRNA-1	213	4.50E-46	7	151	79	213	0.623376623	Pythium_vexans	Pythium	GH19_maker-pve_contig_2646-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2646001	pyve_2646001_secreted
CE9	373	maker-pve_contig_266-fgenesh-gene-0.3-mRNA-1	414	5.90E-122	2	373	10	407	0.99463807	Pythium_vexans	Pythium	CE9_maker-pve_contig_266-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_266031	pyve_266031
GH12	156	maker-pve_contig_267-fgenesh-gene-0.2-mRNA-1	241	2.20E-41	3	156	91	240	0.980769231	Pythium_vexans	Pythium	GH12_maker-pve_contig_267-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_267021	pyve_267021_secreted
GT48	739	maker-pve_contig_276-fgenesh-gene-0.3-mRNA-1	606	1.60E-142	314	709	1	419	0.534506089	Pythium_vexans	Pythium	GT48_maker-pve_contig_276-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_276031	pyve_276031
GT48	739	maker-pve_contig_276-snap-gene-0.7-mRNA-1	2027	7.30E-265	3	708	1129	1838	0.953991881	Pythium_vexans	Pythium	GT48_maker-pve_contig_276-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_276071	pyve_276071
CE10	341	maker-pve_contig_279-fgenesh-gene-0.5-mRNA-1	532	1.30E-21	67	276	103	313	0.612903226	Pythium_vexans	Pythium	CE10_maker-pve_contig_279-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_279051	pyve_279051_secreted
GT71	264	maker-pve_contig_280-fgenesh-gene-0.0-mRNA-1	495	2.10E-43	2	257	95	360	0.965909091	Pythium_vexans	Pythium	GT71_maker-pve_contig_280-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_280001	pyve_280001
AA4	522	maker-pve_contig_28-fgenesh-gene-0.16-mRNA-1	635	3.90E-11	47	244	169	366	0.377394636	Pythium_vexans	Pythium	AA4_maker-pve_contig_28-fgenesh-gene-0.16-mRNA-1	Oomycete	pyve	pyve_280161	pyve_280161
CE10	341	maker-pve_contig_28-fgenesh-gene-0.9-mRNA-1	328	3.90E-09	143	309	118	307	0.486803519	Pythium_vexans	Pythium	CE10_maker-pve_contig_28-fgenesh-gene-0.9-mRNA-1	Oomycete	pyve	pyve_28091	pyve_28091
GT96	307	maker-pve_contig_282-snap-gene-0.19-mRNA-1	957	4.00E-23	2	112	526	646	0.358306189	Pythium_vexans	Pythium	GT96_maker-pve_contig_282-snap-gene-0.19-mRNA-1	Oomycete	pyve	pyve_2820191	pyve_2820191
GT96	307	maker-pve_contig_282-snap-gene-0.19-mRNA-1	957	0.000000093	2	116	111	234	0.371335505	Pythium_vexans	Pythium	GT96_maker-pve_contig_282-snap-gene-0.19-mRNA-1	Oomycete	pyve	pyve_2820191	pyve_2820191
CBM63	78	maker-pve_contig_284-fgenesh-gene-0.0-mRNA-1	478	3.80E-09	2	74	141	214	0.923076923	Pythium_vexans	Pythium	CBM63_maker-pve_contig_284-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_284001	pyve_284001
341	maker-pve_contig_285-snap-gene-0.16-mRNA-1	706	1.10E-11	76	215	444	613	0.407624633	Pythium_vexans	Pythium	CE10_maker-pve_contig_285-snap-gene-0.16-mRNA-1	Oomycete	pyve	pyve_2850161	pyve_2850161	
GT76	407	maker-pve_contig_286-snap-gene-0.6-mRNA-1	435	8.90E-105	1	407	6	435	0.997542998	Pythium_vexans	Pythium	GT76_maker-pve_contig_286-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_286061	pyve_286061
CE3	194	maker-pve_contig_29-fgenesh-gene-0.0-mRNA-1	265	0.00000031	58	189	91	233	0.675257732	Pythium_vexans	Pythium	CE3_maker-pve_contig_29-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_29001	pyve_29001_secreted
CE13	355	maker-pve_contig_2913-fgenesh-gene-0.0-mRNA-1	272	5.60E-27	25	195	75	263	0.478873239	Pythium_vexans	Pythium	CE13_maker-pve_contig_2913-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_2913001	pyve_2913001_secreted
CE12	210	maker-pve_contig_292-fgenesh-gene-0.0-mRNA-1	247	7.50E-11	1	161	18	191	0.761904762	Pythium_vexans	Pythium	CE12_maker-pve_contig_292-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_292001	pyve_292001
CE1	227	maker-pve_contig_292-snap-gene-0.21-mRNA-1	308	1.80E-11	22	141	47	160	0.524229075	Pythium_vexans	Pythium	CE1_maker-pve_contig_292-snap-gene-0.21-mRNA-1	Oomycete	pyve	pyve_2920211	pyve_2920211
CBM25	78	maker-pve_contig_292-fgenesh-gene-0.4-mRNA-1	740	4.60E-12	5	76	76	149	0.91025641	Pythium_vexans	Pythium	CBM25_maker-pve_contig_292-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_292041	pyve_292041
GT4	160	maker-pve_contig_298-fgenesh-gene-0.2-mRNA-1	429	0.0000011	72	134	284	345	0.3875	Pythium_vexans	Pythium	GT4_maker-pve_contig_298-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_298021	pyve_298021
GH16	189	maker-pve_contig_299-fgenesh-gene-0.2-mRNA-1	2601	5.80E-27	3	189	78	417	0.984126984	Pythium_vexans	Pythium	GH16_maker-pve_contig_299-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_299021	pyve_299021
GT48	739	maker-pve_contig_299-fgenesh-gene-0.2-mRNA-1	2601	1.80E-261	3	694	1645	2302	0.935047361	Pythium_vexans	Pythium	GT48_maker-pve_contig_299-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_299021	pyve_299021
CE1	227	maker-pve_contig_304-snap-gene-0.20-mRNA-1	496	0.000000016	12	143	180	330	0.577092511	Pythium_vexans	Pythium	CE1_maker-pve_contig_304-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_3040201	pyve_3040201
GT50	262	maker-pve_contig_307-snap-gene-0.14-mRNA-1	421	5.10E-93	1	261	126	394	0.992366412	Pythium_vexans	Pythium	GT50_maker-pve_contig_307-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_3070141	pyve_3070141
GH5	275	maker-pve_contig_3081-snap-gene-0.1-mRNA-1	231	1.60E-16	3	97	9	145	0.341818182	Pythium_vexans	Pythium	GH5_maker-pve_contig_3081-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_3081011	pyve_3081011
GH1	429	maker-pve_contig_3088-fgenesh-gene-0.0-mRNA-1	243	4.50E-48	187	389	1	243	0.470862471	Pythium_vexans	Pythium	GH1_maker-pve_contig_3088-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_3088001	pyve_3088001
GT41	705	maker-pve_contig_310-fgenesh-gene-0.1-mRNA-1	1091	2.70E-88	465	703	473	719	0.337588653	Pythium_vexans	Pythium	GT41_maker-pve_contig_310-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_310011	pyve_310011
GH30	417	maker-pve_contig_31-fgenesh-gene-0.1-mRNA-1	501	3.20E-62	15	415	27	495	0.959232614	Pythium_vexans	Pythium	GH30_maker-pve_contig_31-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_31011	pyve_31011_secreted
GH30	417	maker-pve_contig_31-snap-gene-0.35-mRNA-1	336	5.60E-42	25	281	39	329	0.613908873	Pythium_vexans	Pythium	GH30_maker-pve_contig_31-snap-gene-0.35-mRNA-1	Oomycete	pyve	pyve_310351	pyve_310351_secreted
GH5	275	maker-pve_contig_312-snap-gene-0.14-mRNA-1	355	5.80E-39	10	239	19	317	0.832727273	Pythium_vexans	Pythium	GH5_maker-pve_contig_312-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_3120141	pyve_3120141
PL1	202	maker-pve_contig_312-snap-gene-0.18-mRNA-1	401	7.40E-37	19	200	122	314	0.896039604	Pythium_vexans	Pythium	PL1_maker-pve_contig_312-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_3120181	pyve_3120181_secreted
PL1	202	maker-pve_contig_312-snap-gene-0.20-mRNA-1	255	1.10E-20	91	201	52	172	0.544554455	Pythium_vexans	Pythium	PL1_maker-pve_contig_312-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_3120201	pyve_3120201
GH72	312	maker-pve_contig_312-fgenesh-gene-0.2-mRNA-1	1125	1.20E-09	16	155	17	155	0.445512821	Pythium_vexans	Pythium	GH72_maker-pve_contig_312-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_312021	pyve_312021
GH16	189	maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	1505	3.80E-10	122	189	405	534	0.354497355	Pythium_vexans	Pythium	GH16_maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_313081	pyve_313081
GH16	189	maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	1505	0.000000002	125	189	1216	1331	0.338624339	Pythium_vexans	Pythium	GH16_maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_313081	pyve_313081
GH16	189	maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	1505	0.000000017	3	101	827	999	0.518518519	Pythium_vexans	Pythium	GH16_maker-pve_contig_313-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_313081	pyve_313081
CBM1	29	maker-pve_contig_3160-fgenesh-gene-0.0-mRNA-1	206	0.00024	11	29	106	124	0.620689655	Pythium_vexans	Pythium	CBM1_maker-pve_contig_3160-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_3160001	pyve_3160001
CE4	130	maker-pve_contig_32-fgenesh-gene-0.4-mRNA-1	309	6.80E-20	4	127	90	242	0.946153846	Pythium_vexans	Pythium	CE4_maker-pve_contig_32-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_32041	pyve_32041
CE1	227	maker-pve_contig_321-fgenesh-gene-0.2-mRNA-1	585	0.0000069	30	165	136	284	0.594713656	Pythium_vexans	Pythium	CE1_maker-pve_contig_321-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_321021	pyve_321021_secreted
GH28	325	maker-pve_contig_3246-snap-gene-0.1-mRNA-1	199	1.70E-30	5	167	43	199	0.498461539	Pythium_vexans	Pythium	GH28_maker-pve_contig_3246-snap-gene-0.1-mRNA-1	Oomycete	pyve	pyve_3246011	pyve_3246011_secreted
GH16	189	fgenesh_masked-pve_contig_3249-abinit-gene-0.2-mRNA-1	212	0.000000023	122	187	60	212	0.343915344	Pythium_vexans	Pythium	GH16_fgenesh_masked-pve_contig_3249-abinit-gene-0.2-mRNA-1	Oomycete	pyve	pyve_3249021	pyve_3249021
GH17	311	maker-pve_contig_33-fgenesh-gene-0.15-mRNA-1	529	3.60E-20	27	303	89	329	0.887459807	Pythium_vexans	Pythium	GH17_maker-pve_contig_33-fgenesh-gene-0.15-mRNA-1	Oomycete	pyve	pyve_330151	pyve_330151_secreted
GT71	264	maker-pve_contig_331-fgenesh-gene-0.1-mRNA-1	1228	5.30E-53	2	264	222	453	0.992424242	Pythium_vexans	Pythium	GT71_maker-pve_contig_331-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_331011	pyve_331011
GT71	264	maker-pve_contig_331-fgenesh-gene-0.1-mRNA-1	1228	2.50E-48	1	264	886	1120	0.996212121	Pythium_vexans	Pythium	GT71_maker-pve_contig_331-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_331011	pyve_331011
GT71	264	maker-pve_contig_331-snap-gene-0.12-mRNA-1	590	5.00E-52	1	264	239	471	0.996212121	Pythium_vexans	Pythium	GT71_maker-pve_contig_331-snap-gene-0.12-mRNA-1	Oomycete	pyve	pyve_3310121	pyve_3310121
GT71	264	maker-pve_contig_331-fgenesh-gene-0.3-mRNA-1	1550	8.40E-38	2	207	1186	1363	0.776515152	Pythium_vexans	Pythium	GT71_maker-pve_contig_331-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_331031	pyve_331031_secreted
GT71	264	maker-pve_contig_336-snap-gene-0.11-mRNA-1	234	1.90E-2												

GH3	216	maker-pve_contig_370-fgenesh-gene-0.0-mRNA-1	805	7.60E-60	4	214	80	327	0.972222222	Pythium_vexans	Pythium	GH3_maker-pve_contig_370-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_370001	pyve_370001_secreted
GH16	189	maker-pve_contig_37-fgenesh-gene-0.13-mRNA-1	783	4.20E-12	112	189	487	599	0.407407407	Pythium_vexans	Pythium	GH16_maker-pve_contig_37-fgenesh-gene-0.13-mRNA-1	Oomycete	pyve	pyve_370131	pyve_370131
GH16	189	maker-pve_contig_37-fgenesh-gene-0.13-mRNA-1	783	0.0000016	4	97	89	259	0.492063492	Pythium_vexans	Pythium	GH16_maker-pve_contig_37-fgenesh-gene-0.13-mRNA-1	Oomycete	pyve	pyve_370131	pyve_370131
GT96	307	maker-pve_contig_383-fgenesh-gene-0.6-mRNA-1	278	2.20E-12	1	121	127	251	0.390879479	Pythium_vexans	Pythium	GT96_maker-pve_contig_383-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_383061	pyve_383061
CBM32	124	maker-pve_contig_384-fgenesh-gene-0.1-mRNA-1	220	1.70E-12	15	111	52	160	0.774193548	Pythium_vexans	Pythium	CBM32_maker-pve_contig_384-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_384011	pyve_384011_secreted
CE11	271	maker-pve_contig_385-snap-gene-0.14-mRNA-1	311	1.40E-62	24	270	8	301	0.907749078	Pythium_vexans	Pythium	CE11_maker-pve_contig_385-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_3850141	pyve_3850141
GH1	429	maker-pve_contig_395-fgenesh-gene-0.1-mRNA-1	550	8.60E-124	4	425	59	532	0.981351981	Pythium_vexans	Pythium	GH1_maker-pve_contig_395-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_395011	pyve_395011_secreted
CBM9	182	maker-pve_contig_396-snap-gene-0.15-mRNA-1	457	5.30E-33	1	150	35	212	0.818681319	Pythium_vexans	Pythium	CBM9_maker-pve_contig_396-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_3960151	pyve_3960151
GH47	446	maker-pve_contig_401-snap-gene-0.12-mRNA-1	559	1.70E-139	1	446	118	557	0.997757848	Pythium_vexans	Pythium	GH47_maker-pve_contig_401-snap-gene-0.12-mRNA-1	Oomycete	pyve	pyve_4010121	pyve_4010121
CBM43	83	maker-pve_contig_408-fgenesh-gene-0.5-mRNA-1	764	1.70E-16	1	75	628	699	0.891566265	Pythium_vexans	Pythium	CBM43_maker-pve_contig_408-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_408051	pyve_408051
GH5	275	maker-pve_contig_408-fgenesh-gene-0.5-mRNA-1	764	1.40E-34	27	219	218	495	0.698181818	Pythium_vexans	Pythium	GH5_maker-pve_contig_408-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_408051	pyve_408051
CBM43	83	maker-pve_contig_408-fgenesh-gene-0.6-mRNA-1	675	5.00E-16	1	75	547	616	0.891566265	Pythium_vexans	Pythium	CBM43_maker-pve_contig_408-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_408061	pyve_408061
GH5	275	maker-pve_contig_408-fgenesh-gene-0.6-mRNA-1	675	2.90E-34	29	219	138	410	0.690909091	Pythium_vexans	Pythium	GH5_maker-pve_contig_408-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_408061	pyve_408061
CBM32	124	maker-pve_contig_41-snap-gene-0.40-mRNA-1	151	0.000065	9	67	16	93	0.467741936	Pythium_vexans	Pythium	CBM32_maker-pve_contig_41-snap-gene-0.40-mRNA-1	Oomycete	pyve	pyve_410401	pyve_410401
GH53	342	maker-pve_contig_411-fgenesh-gene-0.6-mRNA-1	340	3.40E-45	111	332	106	321	0.64619883	Pythium_vexans	Pythium	GH53_maker-pve_contig_411-fgenesh-gene-0.6-mRNA-1	Oomycete	pyve	pyve_411061	pyve_411061_secreted
GT4	160	maker-pve_contig_42-fgenesh-gene-0.17-mRNA-1	617	2.70E-40	5	150	421	578	0.90625	Pythium_vexans	Pythium	GT4_maker-pve_contig_42-fgenesh-gene-0.17-mRNA-1	Oomycete	pyve	pyve_420171	pyve_420171
CE10	341	maker-pve_contig_42-snap-gene-0.32-mRNA-1	299	5.20E-37	81	232	30	187	0.442815249	Pythium_vexans	Pythium	CE10_maker-pve_contig_42-snap-gene-0.32-mRNA-1	Oomycete	pyve	pyve_420321	pyve_420321
GT33	425	maker-pve_contig_428-snap-gene-0.7-mRNA-1	437	5.20E-103	147	424	145	429	0.651764706	Pythium_vexans	Pythium	GT33_maker-pve_contig_428-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_428071	pyve_428071
GH7	415	maker-pve_contig_428-snap-gene-0.9-mRNA-1	625	9.70E-182	1	414	25	469	0.995180723	Pythium_vexans	Pythium	GH7_maker-pve_contig_428-snap-gene-0.9-mRNA-1	Oomycete	pyve	pyve_428091	pyve_428091_secreted
GT4	160	maker-pve_contig_435-snap-gene-0.6-mRNA-1	1375	2.10E-09	19	119	1170	1284	0.625	Pythium_vexans	Pythium	GT4_maker-pve_contig_435-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_435061	pyve_435061_secreted
GT41	705	maker-pve_contig_435-snap-gene-0.6-mRNA-1	1375	2.00E-102	76	518	187	751	0.626950355	Pythium_vexans	Pythium	GT41_maker-pve_contig_435-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_435061	pyve_435061_secreted
GH13	299	snap_masked-pve_contig_437-abinit-gene-0.32-mRNA-1	858	4.60E-21	22	258	415	728	0.789297659	Pythium_vexans	Pythium	GH13_snap_masked-pve_contig_437-abinit-gene-0.32-mRNA-1	Oomycete	pyve	pyve_4370321	pyve_4370321_secreted
GH81	622	maker-pve_contig_440-snap-gene-0.18-mRNA-1	676	5.50E-161	62	621	55	670	0.898713826	Pythium_vexans	Pythium	GH81_maker-pve_contig_440-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_4400181	pyve_4400181_secreted
GH81	622	maker-pve_contig_440-fgenesh-gene-0.5-mRNA-1	712	2.40E-169	16	621	74	706	0.97266881	Pythium_vexans	Pythium	GH81_maker-pve_contig_440-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_440051	pyve_440051_secreted
AA8	815	maker-pve_contig_442-fgenesh-gene-0.1-mRNA-1	1869	5.60E-82	240	795	23	575	0.680981595	Pythium_vexans	Pythium	AA8_maker-pve_contig_442-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_442011	pyve_442011_secreted
GH43	248	maker-pve_contig_449-snap-gene-0.15-mRNA-1	323	4.10E-44	10	247	32	320	0.955645161	Pythium_vexans	Pythium	GH43_maker-pve_contig_449-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_4490151	pyve_4490151_secreted
GH43	248	maker-pve_contig_449-fgenesh-gene-0.3-mRNA-1	322	3.10E-42	1	247	22	320	0.991935484	Pythium_vexans	Pythium	GH43_maker-pve_contig_449-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_449031	pyve_449031_secreted
CBM32	124	maker-pve_contig_450-snap-gene-0.19-mRNA-1	138	5.80E-14	14	109	19	118	0.766129032	Pythium_vexans	Pythium	CBM32_maker-pve_contig_450-snap-gene-0.19-mRNA-1	Oomycete	pyve	pyve_4500191	pyve_4500191
GT19	354	maker-pve_contig_45-fgenesh-gene-0.11-mRNA-1	386	3.10E-57	69	308	68	386	0.675141243	Pythium_vexans	Pythium	GT19_maker-pve_contig_45-fgenesh-gene-0.11-mRNA-1	Oomycete	pyve	pyve_450111	pyve_450111
GT66	693	maker-pve_contig_455-snap-gene-0.10-mRNA-1	708	3.60E-110	155	607	119	664	0.652236652	Pythium_vexans	Pythium	GT66_maker-pve_contig_455-snap-gene-0.10-mRNA-1	Oomycete	pyve	pyve_4550101	pyve_4550101
GH5	275	maker-pve_contig_467-snap-gene-0.13-mRNA-1	342	1.40E-27	25	177	98	329	0.552727273	Pythium_vexans	Pythium	GH5_maker-pve_contig_467-snap-gene-0.13-mRNA-1	Oomycete	pyve	pyve_4670131	pyve_4670131_secreted
GH5	275	maker-pve_contig_467-snap-gene-0.14-mRNA-1	390	2.20E-23	25	244	89	377	0.796363636	Pythium_vexans	Pythium	GH5_maker-pve_contig_467-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_4670141	pyve_4670141_secreted
GT2	168	fgenesh_masked-pve_contig_473-abinit-gene-0.38-mRNA-1	944	0.00000018	2	165	254	490	0.970238095	Pythium_vexans	Pythium	GT2_fgenesh_masked-pve_contig_473-abinit-gene-0.38-mRNA-1	Oomycete	pyve	pyve_4730381	pyve_4730381
GH109	126	maker-pve_contig_481-fgenesh-gene-0.4-mRNA-1	656	0.000000021	1	124	29	142	0.976190476	Pythium_vexans	Pythium	GH109_maker-pve_contig_481-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_481041	pyve_481041
GH109	126	maker-pve_contig_481-fgenesh-gene-0.4-mRNA-1	656	0.000000022	64	125	392	453	0.484126984	Pythium_vexans	Pythium	GH109_maker-pve_contig_481-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_481041	pyve_481041
GH17	311	maker-pve_contig_486-fgenesh-gene-0.2-mRNA-1	299	7.20E-19	16	309	42	299	0.942122187	Pythium_vexans	Pythium	GH17_maker-pve_contig_486-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_486021	pyve_486021_secreted
GT8	257	maker-pve_contig_489-fgenesh-gene-0.2-mRNA-1	667	8.40E-25	21	254	399	632	0.906614786	Pythium_vexans	Pythium	GT8_maker-pve_contig_489-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_489021	pyve_489021
GT8	257	maker-pve_contig_489-fgenesh-gene-0.2-mRNA-1	667	1.20E-20	24	254	57	287	0.894941634	Pythium_vexans	Pythium	GT8_maker-pve_contig_489-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_489021	pyve_489021
GH16	189	maker-pve_contig_491-snap-gene-0.14-mRNA-1	718	0.0000017	4	90	62	229	0.455026455	Pythium_vexans	Pythium	GH16_maker-pve_contig_491-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_4910141	pyve_4910141
GT61	264	snap_masked-pve_contig_494-abinit-gene-0.19-mRNA-1	416	1.40E-43	2	262	41	309	0.984848485	Pythium_vexans	Pythium	GT71_snap_masked-pve_contig_494-abinit-gene-0.19-mRNA-1	Oomycete	pyve	pyve_4940191	pyve_4940191
PL3	197	snap-pve_contig_50-abinit-gene-0.106-mRNA-1	540	3.30E-71	2	192	315	508	0.964467005	Pythium_vexans	Pythium	PL3_snap-pve_contig_50-abinit-gene-0.106-mRNA-1	Oomycete	pyve	pyve_5001061	pyve_5001061
CBM36	115	maker-pve_contig_502-fgenesh-gene-0.4-mRNA-1	204	0.00094	35	86	13	66	0.443478261	Pythium_vexans	Pythium	CBM36_maker-pve_contig_502-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_502041	pyve_502041_secreted
GT71	264	maker-pve_contig_508-fgenesh-gene-0.0-mRNA-1	469	2.50E-41	2	257	86	351	0.965909091	Pythium_vexans	Pythium	GT71_maker-pve_contig_508-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_508001	pyve_508001
CE12	210	maker-pve_contig_508-fgenesh-gene-0.1-mRNA-1	392	0.000000096	2	164	162	333	0.771428571	Pythium_vexans	Pythium	CE12_maker-pve_contig_508-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_508011	pyve_508011
CE12	210	maker-pve_contig_508-fgenesh-gene-0.2-mRNA-1	210	1.90E-09	3	164	29	181	0.766666667	Pythium_vexans	Pythium	CE12_maker-pve_contig_508-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_508021	pyve_508021
GT48	739	maker-pve_contig_51-snap-gene-0.33-mRNA-1	2233	5.30E-271	2	720	859	1610	0.971583221	Pythium_vexans	Pythium	GT48_maker-pve_contig_51-snap-gene-0.33-mRNA-1	Oomycete	pyve	pyve_510331	pyve_510331
CE7	313	maker-pve_contig_512-snap-gene-0.5-mRNA-1	349	2.40E-11	51	209	63	205	0.504792332	Pythium_vexans	Pythium	CE7_maker-pve_contig_512-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_512051	pyve_512051
GH17	311	maker-pve_contig_513-snap-gene-0.15-mRNA-1	378	6.40E-23	2	306	29	288	0.977491961	Pythium_vexans	Pythium	GH17_maker-pve_contig_513-snap-gene-0.15-mRNA-1	Oomycete	pyve	pyve_5130151	pyve_5130151_secreted
GH3	216	maker-pve_contig_519-snap-gene-0.22-mRNA-1	701	1.10E-24	105	215	148	259	0.509259259	Pythium_vexans	Pythium	GH3_maker-pve_contig_519-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_5190221	pyve_5190221
GH3	216	maker-pve_contig_519-snap-gene-0.22-mRNA-1	701	1.00E-16	9	81	75	147	0.333333333	Pythium_vexans	Pythium	GH3_maker-pve_contig_519-snap-gene-0.22-mRNA-1	Oomycete	pyve	pyve_5190221	pyve_5190221
GH5	275	maker-pve_contig_52-fgenesh-gene-0.4-mRNA-1	859	1.80E-36	16	241	548	843	0.818181818	Pythium_vexans	Pythium	GH5_maker-pve_contig_52-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_52041	pyve_52041
GT28	157	maker-pve_contig_528-fgenesh-gene-0.1-mRNA-1	172	7.40E-13	7	121	13	131	0.726114665	Pythium_vexans	Pythium	GT28_maker-pve_contig_528-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_528011	pyve_528011
GT22	389	maker-pve_contig_530-snap-gene-0.14-mRNA-1	594	3.70E-64	2	361	20	439	0.922879177	Pythium_vexans	Pythium	GT22_maker-pve_contig_530-snap-gene-0.14-mRNA-1	Oomycete	pyve	pyve_5300141	pyve_5300141
CBM25	78	maker-pve_contig_53-fgenesh-gene-0.24-mRNA-1	994	9.60E-16	4	76	37	110	0.923076923	Pythium_vexans	Pythium	CBM25_maker-pve_contig_53-fgenesh-gene-0.24-mRNA-1	Oomycete	pyve	pyve_530241	pyve_530241_secreted
GH31	427	maker-pve_contig_53-fgenesh-gene-0.24-mRNA-1	994	1.30E-153	2	427	362	857	0.995316159	Pythium_vexans	Pythium	GH31_maker-pve_contig_53-fgenesh-gene-0.24-mRNA-1	Oomycete	pyve	pyve_530241	pyve_530241_secreted
AA3	618	maker-pve_contig_543-fgenesh-gene-0.1-mRNA-1	560	6.30E-108	79	402	23	541	0.522653722	Pythium_vexans	Pythium	AA3_maker-pve_contig_543-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_543011	pyve_543011
CBM1	29	maker-pve_contig_550-snap-gene-0.11-mRNA-1	175	0.00025	11	29	75	93	0.620689655	Pythium_vexans	Pythium	CBM1_maker-pve_contig_550-snap-gene-0.11-mRNA-1	Oomycete	pyve	pyve_5500111	pyve_5500111
GH28	325	maker-pve_contig_551-snap-gene-0.18-mRNA-1	296	5.00E-46	5	243	43	282	0.732307692	Pythium_vexans	Pythium	GH28_maker-pve_contig_551-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_5510181	pyve_5510181_secreted
GH28	325	maker-pve_contig_551-fgenesh-gene-0.2-mRNA-1	264	3.60E-48	5	223	43	260	0.670769231	Pythium_vexans	Pythium	GH28_maker-pve_contig_551-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_551021	pyve_551021_secreted
PL3	197	maker-pve_contig_563-fgenesh-gene-0.1-mRNA-1	630	1.10E-43	2	196	406									

GH17	311	maker-pve_contig_615-snap-gene-0.13-mRNA-1	408	2.40E-22	12	301	46	299	0.92926045	Pythium_vexans	Pythium	GH17_maker-pve_contig_615-snap-gene-0.13-mRNA-1	Oomycete	pyve	pyve_6150131	pyve_6150131_secreted
GH17	311	maker-pve_contig_615-fgenesh-gene-0.3-mRNA-1	443	1.60E-26	11	303	44	302	0.938906752	Pythium_vexans	Pythium	GH17_maker-pve_contig_615-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_615031	pyve_615031_secreted
GH17	311	maker-pve_contig_615-fgenesh-gene-0.4-mRNA-1	837	1.40E-25	11	309	42	304	0.958199357	Pythium_vexans	Pythium	GH17_maker-pve_contig_615-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_615041	pyve_615041_secreted
GH81	622	maker-pve_contig_616-fgenesh-gene-0.3-mRNA-1	825	5.40E-174	16	621	153	818	0.97266881	Pythium_vexans	Pythium	GH81_maker-pve_contig_616-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_616031	pyve_616031_secreted
GH3	216	maker-pve_contig_616-fgenesh-gene-0.4-mRNA-1	852	1.50E-37	4	216	71	277	0.981481482	Pythium_vexans	Pythium	GH3_maker-pve_contig_616-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_616041	pyve_616041_secreted
GT48	739	maker-pve_contig_62-fgenesh-gene-0.8-mRNA-1	2168	2.30E-166	2	382	861	1243	0.51420839	Pythium_vexans	Pythium	GT48_maker-pve_contig_62-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_62081	pyve_62081
GT48	739	maker-pve_contig_62-fgenesh-gene-0.8-mRNA-1	2168	1.90E-59	462	719	1243	1530	0.347767253	Pythium_vexans	Pythium	GT48_maker-pve_contig_62-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_62081	pyve_62081
GT4	160	maker-pve_contig_624-fgenesh-gene-0.4-mRNA-1	508	1.80E-26	6	155	303	464	0.93125	Pythium_vexans	Pythium	GT4_maker-pve_contig_624-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_624041	pyve_624041
AA3	618	fgenesh_masked-pve_contig_636-abinit-gene-0.32-mRNA-1	461	0.00000068	86	353	1	407	0.432038835	Pythium_vexans	Pythium	AA3_fgenesh_masked-pve_contig_636-abinit-gene-0.32-mRNA-1	Oomycete	pyve	pyve_6360321	pyve_6360321
GT71	264	maker-pve_contig_638-fgenesh-gene-0.2-mRNA-1	1798	1.30E-31	2	140	237	366	0.522727273	Pythium_vexans	Pythium	GT71_maker-pve_contig_638-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_638021	pyve_638021
GT71	264	maker-pve_contig_638-fgenesh-gene-0.3-mRNA-1	191	1.10E-14	176	264	3	95	0.333333333	Pythium_vexans	Pythium	GT71_maker-pve_contig_638-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_638031	pyve_638031
GT8	257	maker-pve_contig_638-snap-gene-0.6-mRNA-1	147	7.70E-15	63	200	6	119	0.53307393	Pythium_vexans	Pythium	GT8_maker-pve_contig_638-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_638061	pyve_638061
AA6	195	maker-pve_contig_64-fgenesh-gene-0.19-mRNA-1	200	1.10E-80	1	195	3	197	0.994871795	Pythium_vexans	Pythium	AA6_maker-pve_contig_64-fgenesh-gene-0.19-mRNA-1	Oomycete	pyve	pyve_640191	pyve_640191
GT62	268	maker-pve_contig_641-snap-gene-0.5-mRNA-1	379	3.40E-33	24	266	92	334	0.902985075	Pythium_vexans	Pythium	GT62_maker-pve_contig_641-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_641051	pyve_641051
CBM13	188	maker-pve_contig_650-fgenesh-gene-0.3-mRNA-1	922	6.40E-13	9	110	499	593	0.537234043	Pythium_vexans	Pythium	CBM13_maker-pve_contig_650-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_650031	pyve_650031
GH30	417	maker-pve_contig_650-fgenesh-gene-0.3-mRNA-1	922	7.90E-97	8	361	101	459	0.846522782	Pythium_vexans	Pythium	GH30_maker-pve_contig_650-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_650031	pyve_650031
CE1	227	maker-pve_contig_662-fgenesh-gene-0.3-mRNA-1	350	0.0000055	14	175	74	308	0.709251101	Pythium_vexans	Pythium	CE1_maker-pve_contig_662-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_662031	pyve_662031
GH17	311	fgenesh_masked-pve_contig_664-abinit-gene-0.28-mRNA-1	950	1.50E-22	12	306	41	294	0.945337621	Pythium_vexans	Pythium	GH17_fgenesh_masked-pve_contig_664-abinit-gene-0.28-mRNA-1	Oomycete	pyve	pyve_6640281	pyve_6640281_secreted
GH1	429	maker-pve_contig_67-fgenesh-gene-0.4-mRNA-1	475	1.40E-171	4	427	6	471	0.986013986	Pythium_vexans	Pythium	GH1_maker-pve_contig_67-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_67041	pyve_67041
CE4	130	maker-pve_contig_672-fgenesh-gene-0.4-mRNA-1	316	5.10E-12	24	125	83	184	0.776923077	Pythium_vexans	Pythium	CE4_maker-pve_contig_672-fgenesh-gene-0.4-mRNA-1	Oomycete	pyve	pyve_672041	pyve_672041
CBM50	40	maker-pve_contig_680-snap-gene-0.11-mRNA-1	1693	0.0000033	4	39	1535	1574	0.875	Pythium_vexans	Pythium	CBM50_maker-pve_contig_680-snap-gene-0.11-mRNA-1	Oomycete	pyve	pyve_6800111	pyve_6800111
CBM47	128	maker-pve_contig_68-snap-gene-0.18-mRNA-1	7146	1.20E-09	25	116	1420	1551	0.7109375	Pythium_vexans	Pythium	CBM47_maker-pve_contig_68-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_680181	pyve_680181
CBM47	128	maker-pve_contig_68-snap-gene-0.18-mRNA-1	7146	0.0000035	3	73	1181	1252	0.546875	Pythium_vexans	Pythium	CBM47_maker-pve_contig_68-snap-gene-0.18-mRNA-1	Oomycete	pyve	pyve_680181	pyve_680181
GT4	160	maker-pve_contig_685-fgenesh-gene-0.2-mRNA-1	514	3.50E-23	6	154	307	467	0.925	Pythium_vexans	Pythium	GT4_maker-pve_contig_685-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_685021	pyve_685021_secreted
GT4	160	maker-pve_contig_685-fgenesh-gene-0.3-mRNA-1	436	8.20E-43	6	155	241	402	0.93125	Pythium_vexans	Pythium	GT4_maker-pve_contig_685-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_685031	pyve_685031
PL3	197	maker-pve_contig_687-fgenesh-gene-0.1-mRNA-1	237	9.00E-46	2	122	37	159	0.609137056	Pythium_vexans	Pythium	PL3_maker-pve_contig_687-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_687011	pyve_687011_secreted
GH81	622	maker-pve_contig_70-snap-gene-0.31-mRNA-1	721	8.90E-156	16	622	34	712	0.974276527	Pythium_vexans	Pythium	GH81_maker-pve_contig_70-snap-gene-0.31-mRNA-1	Oomycete	pyve	pyve_700311	pyve_700311
AA6	195	snap_masked-pve_contig_7-fgenesh-gene-0.77-mRNA-1	1314	2.90E-15	4	141	1127	1247	0.702564103	Pythium_vexans	Pythium	AA6_snap_masked-pve_contig_7-fgenesh-gene-0.77-mRNA-1	Oomycete	pyve	pyve_70771	pyve_70771_secreted
GT71	264	snap_masked-pve_contig_710-abinit-gene-0.13-mRNA-1	342	7.10E-36	2	189	174	332	0.708333333	Pythium_vexans	Pythium	GT71_snap_masked-pve_contig_710-abinit-gene-0.13-mRNA-1	Oomycete	pyve	pyve_7100131	pyve_7100131
GT48	739	maker-pve_contig_71-fgenesh-gene-0.13-mRNA-1	2373	7.50E-247	2	659	866	1559	0.889039242	Pythium_vexans	Pythium	GT48_maker-pve_contig_71-fgenesh-gene-0.13-mRNA-1	Oomycete	pyve	pyve_710131	pyve_710131
GH5	275	maker-pve_contig_7-snap-gene-1.18-mRNA-1	567	2.90E-28	5	244	126	523	0.869090909	Pythium_vexans	Pythium	GH5_maker-pve_contig_7-snap-gene-1.18-mRNA-1	Oomycete	pyve	pyve_71181	pyve_71181
CBM47	128	maker-pve_contig_7-snap-gene-1.20-mRNA-1	587	5.80E-15	2	128	8	136	0.984375	Pythium_vexans	Pythium	CBM47_maker-pve_contig_7-snap-gene-1.20-mRNA-1	Oomycete	pyve	pyve_71201	pyve_71201
CBM20	90	maker-pve_contig_7-snap-gene-1.21-mRNA-1	106	2.80E-19	3	87	8	101	0.933333333	Pythium_vexans	Pythium	CBM20_maker-pve_contig_7-snap-gene-1.21-mRNA-1	Oomycete	pyve	pyve_71211	pyve_71211
PL1	202	maker-pve_contig_718-snap-gene-0.9-mRNA-1	504	6.80E-32	19	164	122	276	0.717821782	Pythium_vexans	Pythium	PL1_maker-pve_contig_718-snap-gene-0.9-mRNA-1	Oomycete	pyve	pyve_718091	pyve_718091_secreted
CE10	341	maker-pve_contig_729-fgenesh-gene-0.1-mRNA-1	755	1.10E-41	70	309	393	692	0.700879765	Pythium_vexans	Pythium	CE10_maker-pve_contig_729-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_729011	pyve_729011
GT57	481	maker-pve_contig_73-fgenesh-gene-0.24-mRNA-1	569	4.40E-147	2	479	17	546	0.991683992	Pythium_vexans	Pythium	GT57_maker-pve_contig_73-fgenesh-gene-0.24-mRNA-1	Oomycete	pyve	pyve_730241	pyve_730241
GH131	255	maker-pve_contig_750-fgenesh-gene-0.1-mRNA-1	307	8.20E-24	55	246	76	250	0.749019608	Pythium_vexans	Pythium	GH131_maker-pve_contig_750-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_750011	pyve_750011_secreted
GH131	255	maker-pve_contig_750-fgenesh-gene-0.2-mRNA-1	328	5.10E-22	40	250	66	265	0.823529412	Pythium_vexans	Pythium	GH131_maker-pve_contig_750-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_750021	pyve_750021_secreted
GH123	538	maker-pve_contig_755-fgenesh-gene-0.0-mRNA-1	802	3.80E-31	118	281	228	408	0.302973978	Pythium_vexans	Pythium	GH123_maker-pve_contig_755-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_755001	pyve_755001
GH123	538	maker-pve_contig_755-fgenesh-gene-0.0-mRNA-1	802	2.90E-29	313	502	531	735	0.351301115	Pythium_vexans	Pythium	GH123_maker-pve_contig_755-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_755001	pyve_755001
CBM1	29	maker-pve_contig_76-snap-gene-0.24-mRNA-1	136	0.00000027	4	20	38	54	0.551724138	Pythium_vexans	Pythium	CBM1_maker-pve_contig_76-snap-gene-0.24-mRNA-1	Oomycete	pyve	pyve_760241	pyve_760241
CBM1	29	maker-pve_contig_76-snap-gene-0.24-mRNA-1	136	0.000000031	4	22	100	119	0.620689655	Pythium_vexans	Pythium	CBM1_maker-pve_contig_76-snap-gene-0.24-mRNA-1	Oomycete	pyve	pyve_760241	pyve_760241
GH81	622	maker-pve_contig_768-fgenesh-gene-0.1-mRNA-1	793	1.30E-180	6	621	106	785	0.988745981	Pythium_vexans	Pythium	GH81_maker-pve_contig_768-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_768011	pyve_768011_secreted
PL1	202	maker-pve_contig_771-fgenesh-gene-0.0-mRNA-1	761	2.70E-27	10	137	78	220	0.628712871	Pythium_vexans	Pythium	PL1_maker-pve_contig_771-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_771001	pyve_771001
CE10	341	maker-pve_contig_775-snap-gene-0.3-mRNA-1	352	1.70E-17	124	232	167	267	0.316715543	Pythium_vexans	Pythium	CE10_maker-pve_contig_775-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_775031	pyve_775031
GT31	192	maker-pve_contig_781-snap-gene-0.13-mRNA-1	376	5.80E-11	60	189	124	287	0.671875	Pythium_vexans	Pythium	GT31_maker-pve_contig_781-snap-gene-0.13-mRNA-1	Oomycete	pyve	pyve_7810131	pyve_7810131
AA6	195	maker-pve_contig_785-fgenesh-gene-0.5-mRNA-1	1267	2.40E-57	1	134	3	138	0.682051282	Pythium_vexans	Pythium	AA6_maker-pve_contig_785-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_785051	pyve_785051
AA6	195	maker-pve_contig_785-fgenesh-gene-0.5-mRNA-1	1267	1.40E-25	111	191	193	271	0.41025641	Pythium_vexans	Pythium	AA6_maker-pve_contig_785-fgenesh-gene-0.5-mRNA-1	Oomycete	pyve	pyve_785051	pyve_785051
GT2	168	maker-pve_contig_786-fgenesh-gene-0.1-mRNA-1	1148	3.50E-25	53	168	670	826	0.68452381	Pythium_vexans	Pythium	GT2_maker-pve_contig_786-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_786011	pyve_786011
GT2_Cellulose_synt	722	maker-pve_contig_786-fgenesh-gene-0.1-mRNA-1	1148	6.20E-15	416	678	828	1094	0.362880886	Pythium_vexans	Pythium	GT2_Cellulose_synt_maker-pve_contig_786-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_786011	pyve_786011
GH81	622	maker-pve_contig_786-snap-gene-0.7-mRNA-1	1121	3.70E-152	6	622	54	766	0.990353698	Pythium_vexans	Pythium	GH81_maker-pve_contig_786-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_786071	pyve_786071
GH16	189	maker-pve_contig_792-fgenesh-gene-0.3-mRNA-1	253	0.00000033	66	132	126	210	0.349206349	Pythium_vexans	Pythium	GH16_maker-pve_contig_792-fgenesh-gene-0.3-mRNA-1	Oomycete	pyve	pyve_792031	pyve_792031
GH17	311	maker-pve_contig_800-fgenesh-gene-0.2-mRNA-1	417	7.40E-29	10	306	54	323	0.951768489	Pythium_vexans	Pythium	GH17_maker-pve_contig_800-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_800021	pyve_800021
PL4	567	maker-pve_contig_81-fgenesh-gene-0.0-mRNA-1	541	1.10E-107	4	563	19	526	0.985890653	Pythium_vexans	Pythium	PL4_maker-pve_contig_81-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_81001	pyve_81001_secreted
GT31	192	maker-pve_contig_812-fgenesh-gene-0.1-mRNA-1	469	4.20E-36	3	190	209	408	0.973958333	Pythium_vexans	Pythium	GT31_maker-pve_contig_812-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_812011	pyve_812011_secreted
GT31	192	maker-pve_contig_812-snap-gene-0.5-mRNA-1	456	2.90E-40	2	191	203	403	0.984375	Pythium_vexans	Pythium	GT31_maker-pve_contig_812-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_812051	pyve_812051_secreted
GT10	347	maker-pve_contig_812-snap-gene-0.7-mRNA-1	1395	1.80E-37	75	306	1117	1358	0.665706052	Pythium_vexans	Pythium	GT10_maker-pve_contig_812-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_812071	pyve_812071_secreted
GT31	192	maker-pve_contig_812-snap-gene-0.7-mRNA-1	1395	4.70E-36	3	191	705	907	0.979166667	Pythium_vexans	Pythium	GT31_maker-pve_contig_812-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_812071	pyve_812071_secreted
GT31	192	maker-pve_contig_812-snap-gene-0.7-mRNA-1	1395	5.00E-34	3	191	231	433	0.979166667	Pythium_vexans	Pythium	GT31_maker-pve_contig_812-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_812071	pyve_812071_secreted
GH43	248	maker-pve_contig_818-fgenesh-gene-0.3-mRNA-1	160	1.10E-18	119	247	1	158	0.516129032	Pythium_vexans	Pythium	GH43_maker-pve_contig_81				

GT71	264	maker-pve_contig_845-snap-gene-0.4-mRNA-1	1115	1.10E-23	2	247	189	510	0.928030303	Pythium_vexans	Pythium	GT71_maker-pve_contig_845-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_845041	pyve_845041
GT71	264	maker-pve_contig_845-snap-gene-0.6-mRNA-1	672	2.90E-42	2	262	250	548	0.984848485	Pythium_vexans	Pythium	GT71_maker-pve_contig_845-snap-gene-0.6-mRNA-1	Oomycete	pyve	pyve_845061	pyve_845061
GT71	264	maker-pve_contig_845-snap-gene-0.7-mRNA-1	513	3.70E-40	2	245	149	386	0.920454546	Pythium_vexans	Pythium	GT71_maker-pve_contig_845-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_845071	pyve_845071
GH16	189	maker-pve_contig_852-fgenesh-gene-0.0-mRNA-1	739	2.20E-09	122	189	429	552	0.354497355	Pythium_vexans	Pythium	GH16_maker-pve_contig_852-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_852001	pyve_852001
GH16	189	maker-pve_contig_852-fgenesh-gene-0.0-mRNA-1	739	0.000001	3	94	46	209	0.481481482	Pythium_vexans	Pythium	GH16_maker-pve_contig_852-fgenesh-gene-0.0-mRNA-1	Oomycete	pyve	pyve_852001	pyve_852001
GH16	189	maker-pve_contig_852-snap-gene-0.5-mRNA-1	757	0.00000032	4	100	58	259	0.507936508	Pythium_vexans	Pythium	GH16_maker-pve_contig_852-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_852051	pyve_852051
GH16	189	maker-pve_contig_852-snap-gene-0.5-mRNA-1	757	0.00000032	57	189	342	566	0.698412698	Pythium_vexans	Pythium	GH16_maker-pve_contig_852-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_852051	pyve_852051
GT8	257	snap_masked-pve_contig_855-abinit-gene-0.13-mRNA-1	316	0.00000034	47	185	107	226	0.536964981	Pythium_vexans	Pythium	GT8_snap_masked-pve_contig_855-abinit-gene-0.13-mRNA-1	Oomycete	pyve	pyve_8550131	pyve_8550131
GH78	504	maker-pve_contig_862-fgenesh-gene-0.2-mRNA-1	839	9.30E-59	126	501	405	809	0.744047619	Pythium_vexans	Pythium	GH78_maker-pve_contig_862-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_862021	pyve_862021_secreted
PL3	197	maker-pve_contig_865-fgenesh-gene-0.1-mRNA-1	465	1.90E-49	2	192	31	207	0.964467005	Pythium_vexans	Pythium	PL3_maker-pve_contig_865-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_865011	pyve_865011_secreted
CE14	124	maker-pve_contig_87-fgenesh-gene-0.24-mRNA-1	859	2.70E-10	1	124	612	731	0.991935484	Pythium_vexans	Pythium	CE14_maker-pve_contig_87-fgenesh-gene-0.24-mRNA-1	Oomycete	pyve	pyve_870241	pyve_870241
AA7	458	maker-pve_contig_87-fgenesh-gene-0.8-mRNA-1	808	3.60E-85	10	458	81	519	0.978165939	Pythium_vexans	Pythium	AA7_maker-pve_contig_87-fgenesh-gene-0.8-mRNA-1	Oomycete	pyve	pyve_87081	pyve_87081_secreted
GH19	231	maker-pve_contig_880-fgenesh-gene-0.1-mRNA-1	267	1.20E-62	7	231	64	265	0.96969697	Pythium_vexans	Pythium	GH19_maker-pve_contig_880-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_880011	pyve_880011_secreted
GH16	189	snap_masked-pve_contig_888-abinit-gene-0.15-mRNA-1	637	2.60E-15	12	189	72	439	0.936507937	Pythium_vexans	Pythium	GH16_snap_masked-pve_contig_888-abinit-gene-0.15-mRNA-1	Oomycete	pyve	pyve_8880151	pyve_8880151
CE10	341	maker-pve_contig_922-fgenesh-gene-0.2-mRNA-1	419	1.10E-33	93	335	157	404	0.709677419	Pythium_vexans	Pythium	CE10_maker-pve_contig_922-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_922021	pyve_922021
GH5	275	fgenesh_masked-pve_contig_926-abinit-gene-0.12-mRNA-1	586	9.60E-32	3	240	182	536	0.861818182	Pythium_vexans	Pythium	GH5_fgenesh_masked-pve_contig_926-abinit-gene-0.12-mRNA-1	Oomycete	pyve	pyve_9260121	pyve_9260121
GH5	275	maker-pve_contig_926-snap-gene-0.7-mRNA-1	373	1.70E-26	39	237	11	315	0.72	Pythium_vexans	Pythium	GH5_maker-pve_contig_926-snap-gene-0.7-mRNA-1	Oomycete	pyve	pyve_926071	pyve_926071
CBM32	124	maker-pve_contig_93-snap-gene-0.20-mRNA-1	1068	0.000000016	9	122	349	469	0.911290323	Pythium_vexans	Pythium	CBM32_maker-pve_contig_93-snap-gene-0.20-mRNA-1	Oomycete	pyve	pyve_930201	pyve_930201
GT60	330	maker-pve_contig_94-snap-gene-0.30-mRNA-1	661	3.20E-89	1	329	344	634	0.993939394	Pythium_vexans	Pythium	GT60_maker-pve_contig_94-snap-gene-0.30-mRNA-1	Oomycete	pyve	pyve_940301	pyve_940301
GH3	216	maker-pve_contig_94-snap-gene-0.33-mRNA-1	1400	6.60E-57	5	207	112	324	0.935185185	Pythium_vexans	Pythium	GH3_maker-pve_contig_94-snap-gene-0.33-mRNA-1	Oomycete	pyve	pyve_940331	pyve_940331_secreted
AA3	618	maker-pve_contig_94-fgenesh-gene-0.9-mRNA-1	484	0.00000059	86	285	3	304	0.322006473	Pythium_vexans	Pythium	AA3_maker-pve_contig_94-fgenesh-gene-0.9-mRNA-1	Oomycete	pyve	pyve_94091	pyve_94091
GH3	216	maker-pve_contig_944-snap-gene-0.4-mRNA-1	694	1.10E-57	5	206	116	319	0.930555556	Pythium_vexans	Pythium	GH3_maker-pve_contig_944-snap-gene-0.4-mRNA-1	Oomycete	pyve	pyve_944041	pyve_944041_secreted
GH63	570	maker-pve_contig_953-snap-gene-0.3-mRNA-1	890	4.10E-22	317	567	597	888	0.438596491	Pythium_vexans	Pythium	GH63_maker-pve_contig_953-snap-gene-0.3-mRNA-1	Oomycete	pyve	pyve_953031	pyve_953031
GT20	475	maker-pve_contig_957-fgenesh-gene-0.1-mRNA-1	1305	5.80E-145	10	474	81	576	0.976842105	Pythium_vexans	Pythium	GT20_maker-pve_contig_957-fgenesh-gene-0.1-mRNA-1	Oomycete	pyve	pyve_957011	pyve_957011
CE1	227	maker-pve_contig_958-fgenesh-gene-0.2-mRNA-1	104	0.000056	29	118	14	94	0.392070485	Pythium_vexans	Pythium	CE1_maker-pve_contig_958-fgenesh-gene-0.2-mRNA-1	Oomycete	pyve	pyve_958021	pyve_958021
GT57	481	maker-pve_contig_987-snap-gene-0.5-mRNA-1	585	4.10E-73	141	478	222	565	0.700623701	Pythium_vexans	Pythium	GT57_maker-pve_contig_987-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_987051	pyve_987051
GT57	481	maker-pve_contig_987-snap-gene-0.5-mRNA-1	585	1.00E-57	2	147	45	204	0.301455302	Pythium_vexans	Pythium	GT57_maker-pve_contig_987-snap-gene-0.5-mRNA-1	Oomycete	pyve	pyve_987051	pyve_987051