

POLYSACCHARIDE LYASES

Gene Identifier	Matching Gene	Source Organism	Length	Difference in Length	Distance Score
PITG_00872.1	Pra45942	Phytophthora ramorum	343	173	0.329325
PITG_02332.1	Pra84662	Phytophthora ramorum	583	35	0.251769
PITG_02332.1	Pra84661	Phytophthora ramorum	541	7	0.481419
PITG_02332.1	Pso128396	Phytophthora sojae	592	44	0.239043
PITG_02368.1	Pra72397	Phytophthora ramorum	542	55	0.226467
PITG_02368.1	Pra86292	Phytophthora ramorum	545	58	0.335096
PITG_02368.1	Pra84663	Phytophthora ramorum	545	58	0.336011
PITG_02368.1	Pso128367	Phytophthora sojae	541	54	0.192023
PITG_04668.1	Pra84933	Phytophthora ramorum	300	6	0.211527
PITG_07680.1	Pra75227	Phytophthora ramorum	441	137	0.403984
PITG_07680.1	Pra75226	Phytophthora ramorum	451	147	0.458804
PITG_07680.1	Pso145395	Phytophthora sojae	442	138	0.462361
PITG_07680.1	Pso144173	Phytophthora sojae	427	123	0.467838
PITG_07680.1	Pso144196	Phytophthora sojae	457	153	0.473064
PITG_07680.1	Pso144197	Phytophthora sojae	457	153	0.473064
PITG_08555.1	Pra85622	Phytophthora ramorum	420	145	0.300793
PITG_08555.1	Pra85623	Phytophthora ramorum	939	664	0.37215
PITG_08555.1	Pra86921	Phytophthora ramorum	513	238	0.447537
PITG_08555.1	Pso140272	Phytophthora sojae	974	699	0.319686
PITG_08555.1	Pso132225	Phytophthora sojae	974	699	0.319686
PITG_08555.1	Pso145391	Phytophthora sojae	824	549	0.336769
PITG_08555.1	Pso140268	Phytophthora sojae	444	169	0.337903
PITG_08555.1	Pso141647	Phytophthora sojae	402	127	0.3397
PITG_08561.1	Pra86921	Phytophthora ramorum	513	297	0.223551
PITG_08561.1	Pra85622	Phytophthora ramorum	420	204	0.237572
PITG_08561.1	Pra77010	Phytophthora ramorum	874	658	0.309834
PITG_08561.1	Pra85623	Phytophthora ramorum	939	723	0.341126
PITG_08561.1	Pso132227	Phytophthora sojae	485	269	0.077832
PITG_08561.1	Pso145391	Phytophthora sojae	824	608	0.139363
PITG_08561.1	Pso140272	Phytophthora sojae	974	758	0.214237
PITG_08561.1	Pso132225	Phytophthora sojae	974	758	0.214237
PITG_08561.1	Pso140268	Phytophthora sojae	444	228	0.221687
PITG_08563.1	Pra85626	Phytophthora ramorum	380	63	0.307744
PITG_08563.1	Pso132222	Phytophthora sojae	385	68	0.165292
PITG_08563.1	Pso132218	Phytophthora sojae	421	104	0.229336
PITG_08563.1	Pso133199	Phytophthora sojae	425	108	0.24012
PITG_08563.1	Pso145592	Phytophthora sojae	203	114	0.280435

PITG_08564.1	Pra85626	Phytophthora ramorum	380	3	0.233428
PITG_08564.1	Pso132222	Phytophthora sojae	385	2	0.219886
PITG_08564.1	Pso132218	Phytophthora sojae	421	38	0.227943
PITG_08564.1	Pso133199	Phytophthora sojae	425	42	0.253179
PITG_08632.1	Pra86169	Phytophthora ramorum	629	424	0.123838
PITG_08632.1	Pra77024	Phytophthora ramorum	653	448	0.123975
PITG_08632.1	Pra44512	Phytophthora ramorum	223	18	0.130105
PITG_08632.1	Pra43398	Phytophthora ramorum	218	13	0.13398
PITG_08632.1	Pra87411	Phytophthora ramorum	557	352	0.139593
PITG_08632.1	Pso144923	Phytophthora sojae	656	451	0.121146
PITG_08632.1	Pso132161	Phytophthora sojae	255	50	0.129092
PITG_08632.1	Pso132158	Phytophthora sojae	255	50	0.149847
PITG_08632.1	Pso132157	Phytophthora sojae	701	496	0.182476
PITG_08632.1	Pso132156	Phytophthora sojae	701	496	0.182476
PITG_08633.1	Pra44446	Phytophthora ramorum	181	24	0.424012
PITG_08633.1	Pra44487	Phytophthora ramorum	219	62	0.449207
PITG_08633.1	Pra44483	Phytophthora ramorum	226	69	0.449207
PITG_08633.1	Pra87411	Phytophthora ramorum	557	400	0.493836
PITG_08633.1	Pra77024	Phytophthora ramorum	653	496	0.498539
PITG_08633.1	Pso132156	Phytophthora sojae	701	544	0.415948
PITG_08633.1	Pso132157	Phytophthora sojae	701	544	0.415948
PITG_08633.1	Pso140239	Phytophthora sojae	396	239	0.46864
PITG_08633.1	Pso140241	Phytophthora sojae	369	212	0.46864
PITG_08633.1	Pso114189	Phytophthora sojae	193	36	0.478374
PITG_08634.1	Pra44446	Phytophthora ramorum	181	27	0.18586
PITG_08634.1	Pra44487	Phytophthora ramorum	219	65	0.189152
PITG_08634.1	Pra44483	Phytophthora ramorum	226	72	0.189152
PITG_08634.1	Pra42333	Phytophthora ramorum	168	14	0.193966
PITG_08634.1	Pra77022	Phytophthora ramorum	679	525	0.213085
PITG_08634.1	Pso132156	Phytophthora sojae	701	547	0.162353
PITG_08634.1	Pso132157	Phytophthora sojae	701	547	0.162353
PITG_08634.1	Pso114189	Phytophthora sojae	193	39	0.185393
PITG_08634.1	Pso140239	Phytophthora sojae	396	242	0.21729
PITG_08634.1	Pso140241	Phytophthora sojae	369	215	0.21729
PITG_08638.1	Pra44485	Phytophthora ramorum	180	6	0.080932
PITG_08638.1	Pra77022	Phytophthora ramorum	679	505	0.153695
PITG_08638.1	Pra43398	Phytophthora ramorum	218	44	0.153695
PITG_08638.1	Pra44512	Phytophthora ramorum	223	49	0.208454
PITG_08638.1	Pra87411	Phytophthora ramorum	557	383	0.208454

PITG_08638.1	Pso132157	Phytophthora sojae	701	527	0.120853
PITG_08638.1	Pso132156	Phytophthora sojae	701	527	0.120853
PITG_08638.1	Pso144923	Phytophthora sojae	656	482	0.194021
PITG_08638.1	Pso132158	Phytophthora sojae	255	81	0.218232
PITG_08638.1	Pso132161	Phytophthora sojae	255	81	0.219437
PITG_08646.1	Pra42333	Phytophthora ramorum	168	7	0.127023
PITG_08646.1	Pra44446	Phytophthora ramorum	181	6	0.132953
PITG_08646.1	Pra44487	Phytophthora ramorum	219	44	0.151486
PITG_08646.1	Pra77024	Phytophthora ramorum	653	478	0.152083
PITG_08646.1	Pra86169	Phytophthora ramorum	629	454	0.152198
PITG_08646.1	Pso132157	Phytophthora sojae	701	526	0.146325
PITG_08646.1	Pso132156	Phytophthora sojae	701	526	0.146325
PITG_08646.1	Pso114189	Phytophthora sojae	193	18	0.152969
PITG_08646.1	Pso140239	Phytophthora sojae	396	221	0.188097
PITG_08646.1	Pso140241	Phytophthora sojae	369	194	0.188097
PITG_08647.1	Pra44485	Phytophthora ramorum	180	1	0.061809
PITG_08647.1	Pra77022	Phytophthora ramorum	679	498	0.147884
PITG_08647.1	Pra43398	Phytophthora ramorum	218	37	0.150033
PITG_08647.1	Pra44512	Phytophthora ramorum	223	42	0.206968
PITG_08647.1	Pra87411	Phytophthora ramorum	557	376	0.217322
PITG_08647.1	Pso132156	Phytophthora sojae	701	520	0.116421
PITG_08647.1	Pso132157	Phytophthora sojae	701	520	0.116421
PITG_08647.1	Pso144923	Phytophthora sojae	656	475	0.173419
PITG_08647.1	Pso132161	Phytophthora sojae	255	74	0.210843
PITG_08647.1	Pso132158	Phytophthora sojae	255	74	0.228927
PITG_09254.1	Pra71773	Phytophthora ramorum	232	30	0.062101
PITG_09254.1	Pra80133	Phytophthora ramorum	262	0	0.077605
PITG_09254.1	Pra39825	Phytophthora ramorum	253	9	0.254297
PITG_09254.1	Pra74998	Phytophthora ramorum	263	1	0.268959
PITG_09254.1	Pra42333	Phytophthora ramorum	168	94	0.350029
PITG_09254.1	Pso140498	Phytophthora sojae	118	144	0.132516
PITG_09254.1	Pso109550	Phytophthora sojae	233	29	0.304333
PITG_09254.1	Pso143281	Phytophthora sojae	267	5	0.324291
PITG_09254.1	Pso122879	Phytophthora sojae	200	62	0.348734
PITG_09254.1	Pso114347	Phytophthora sojae	158	104	0.352219
PITG_09255.1	Pra80133	Phytophthora ramorum	262	127	0.036979
PITG_09255.1	Pra71773	Phytophthora ramorum	232	97	0.036979
PITG_09255.1	Pra39825	Phytophthora ramorum	253	118	0.184007
PITG_09255.1	Pra74998	Phytophthora ramorum	263	128	0.191239

PITG_09255.1	Pra86169	Phytophthora ramorum	629	494	0.301211
PITG_09255.1	Pso143281	Phytophthora sojae	267	132	0.220416
PITG_09255.1	Pso109550	Phytophthora sojae	233	98	0.230083
PITG_09255.1	Pso140241	Phytophthora sojae	369	234	0.262996
PITG_09255.1	Pso142501	Phytophthora sojae	573	438	0.282629
PITG_09255.1	Pso140239	Phytophthora sojae	396	261	0.285601
PITG_09256.1	Pra80133	Phytophthora ramorum	262	30	0.071278
PITG_09256.1	Pra71773	Phytophthora ramorum	232	0	0.075847
PITG_09256.1	Pra39825	Phytophthora ramorum	253	21	0.270167
PITG_09256.1	Pra74998	Phytophthora ramorum	263	31	0.274281
PITG_09256.1	Pra42333	Phytophthora ramorum	168	64	0.382092
PITG_09256.1	Pso140498	Phytophthora sojae	118	114	0.122385
PITG_09256.1	Pso143281	Phytophthora sojae	267	35	0.314279
PITG_09256.1	Pso109550	Phytophthora sojae	233	1	0.320448
PITG_09256.1	Pso122879	Phytophthora sojae	200	32	0.377757
PITG_09256.1	Pso114347	Phytophthora sojae	158	74	0.388345
PITG_09257.1	Pra71773	Phytophthora ramorum	232	15	0.056795
PITG_09257.1	Pra80133	Phytophthora ramorum	262	15	0.073551
PITG_09257.1	Pra39825	Phytophthora ramorum	253	6	0.260872
PITG_09257.1	Pra74998	Phytophthora ramorum	263	16	0.278872
PITG_09257.1	Pra44445	Phytophthora ramorum	226	21	0.406353
PITG_09257.1	Pso140498	Phytophthora sojae	118	129	0.143775
PITG_09257.1	Pso109550	Phytophthora sojae	233	14	0.311009
PITG_09257.1	Pso122879	Phytophthora sojae	200	47	0.337911
PITG_09257.1	Pso143281	Phytophthora sojae	267	20	0.339019
PITG_09257.1	Pso114189	Phytophthora sojae	193	54	0.341425
PITG_09258.1	Pra80133	Phytophthora ramorum	262	129	0.060911
PITG_09258.1	Pra71773	Phytophthora ramorum	232	99	0.068707
PITG_09258.1	Pra39825	Phytophthora ramorum	253	120	0.233356
PITG_09258.1	Pra74998	Phytophthora ramorum	263	130	0.240558
PITG_09258.1	Pra86169	Phytophthora ramorum	629	496	0.343202
PITG_09258.1	Pso140498	Phytophthora sojae	118	15	0.137554
PITG_09258.1	Pso143281	Phytophthora sojae	267	134	0.262127
PITG_09258.1	Pso109550	Phytophthora sojae	233	100	0.27234
PITG_09258.1	Pso114347	Phytophthora sojae	158	25	0.325624
PITG_09258.1	Pso142500	Phytophthora sojae	195	62	0.331464
PITG_09259.1	Pra80133	Phytophthora ramorum	262	44	0.07631
PITG_09259.1	Pra71773	Phytophthora ramorum	232	14	0.081211
PITG_09259.1	Pra39825	Phytophthora ramorum	253	35	0.286665

PITG_09259.1	Pra74998	Phytophthora ramorum	263	45	0.291042
PITG_09259.1	Pra42333	Phytophthora ramorum	168	50	0.402121
PITG_09259.1	Pso140498	Phytophthora sojae	118	100	0.152307
PITG_09259.1	Pso143281	Phytophthora sojae	267	49	0.328299
PITG_09259.1	Pso109550	Phytophthora sojae	233	15	0.334994
PITG_09259.1	Pso122879	Phytophthora sojae	200	18	0.389244
PITG_09259.1	Pso114347	Phytophthora sojae	158	60	0.409495
PITG_09457.1	Pra75227	Phytophthora ramorum	441	111	0.355923
PITG_09457.1	Pra75226	Phytophthora ramorum	451	121	0.372021
PITG_09457.1	Pra75225	Phytophthora ramorum	454	124	0.430648
PITG_09457.1	Pra39775	Phytophthora ramorum	344	14	0.443047
PITG_09457.1	Pra46219	Phytophthora ramorum	353	23	0.456414
PITG_09457.1	Pso144196	Phytophthora sojae	457	127	0.400614
PITG_09457.1	Pso144197	Phytophthora sojae	457	127	0.400614
PITG_09457.1	Pso144172	Phytophthora sojae	222	108	0.413951
PITG_09457.1	Pso145395	Phytophthora sojae	442	112	0.425286
PITG_09457.1	Pso144173	Phytophthora sojae	427	97	0.426213
PITG_09465.1	Pra75227	Phytophthora ramorum	441	39	0.26459
PITG_09465.1	Pra75226	Phytophthora ramorum	451	49	0.35397
PITG_09465.1	Pra75225	Phytophthora ramorum	454	52	0.398566
PITG_09465.1	Pra39775	Phytophthora ramorum	344	58	0.398954
PITG_09465.1	Pra46219	Phytophthora ramorum	353	49	0.411837
PITG_09465.1	Pso145395	Phytophthora sojae	442	40	0.242538
PITG_09465.1	Pso144173	Phytophthora sojae	427	25	0.247161
PITG_09465.1	Pso144196	Phytophthora sojae	457	55	0.365081
PITG_09465.1	Pso144197	Phytophthora sojae	457	55	0.369281
PITG_09465.1	Pso144172	Phytophthora sojae	222	180	0.395161
PITG_09466.1	Pra39775	Phytophthora ramorum	344	143	0.282225
PITG_09466.1	Pra46219	Phytophthora ramorum	353	152	0.302532
PITG_09466.1	Pra75231	Phytophthora ramorum	401	200	0.331967
PITG_09466.1	Pra75233	Phytophthora ramorum	142	59	0.353389
PITG_09466.1	Pra45942	Phytophthora ramorum	343	142	0.436345
PITG_09466.1	Pso124664	Phytophthora sojae	192	9	0.12035
PITG_09466.1	Pso144178	Phytophthora sojae	363	162	0.411906
PITG_09467.1	Pra46219	Phytophthora ramorum	353	162	0.332206
PITG_09467.1	Pra39775	Phytophthora ramorum	344	153	0.33245
PITG_09467.1	Pra75231	Phytophthora ramorum	401	210	0.333367
PITG_09467.1	Pso144178	Phytophthora sojae	363	172	0.350678
PITG_09467.1	Pso132222	Phytophthora sojae	385	194	0.480626

PITG_09467.1	Pso132218	Phytophthora sojae	421	230	0.491967
PITG_09821.1	Pra86169	Phytophthora ramorum	629	525	0.404464
PITG_09821.1	Pra87411	Phytophthora ramorum	557	453	0.404464
PITG_09821.1	Pra77024	Phytophthora ramorum	653	549	0.404464
PITG_09821.1	Pra44483	Phytophthora ramorum	226	122	0.406889
PITG_09821.1	Pra77022	Phytophthora ramorum	679	575	0.415716
PITG_09821.1	Pso132157	Phytophthora sojae	701	597	0.382034
PITG_09821.1	Pso132156	Phytophthora sojae	701	597	0.382034
PITG_09821.1	Pso140239	Phytophthora sojae	396	292	0.412158
PITG_09821.1	Pso140241	Phytophthora sojae	369	265	0.412158
PITG_10424.1	Pra82590	Phytophthora ramorum	283	82	0.161341
PITG_10424.1	Pra82586	Phytophthora ramorum	282	81	0.166951
PITG_10424.1	Pra46251	Phytophthora ramorum	226	25	0.325554
PITG_10424.1	Pra44445	Phytophthora ramorum	226	25	0.334018
PITG_10424.1	Pra82591	Phytophthora ramorum	1788	1587	0.379615
PITG_10424.1	Pso137800	Phytophthora sojae	187	14	0.253326
PITG_10424.1	Pso137799	Phytophthora sojae	297	96	0.302782
PITG_10424.1	Pso122879	Phytophthora sojae	200	1	0.358895
PITG_10424.1	Pso137796	Phytophthora sojae	278	77	0.370783
PITG_10424.1	Pso114189	Phytophthora sojae	193	8	0.387379
PITG_12828.1	Pra39825	Phytophthora ramorum	253	10	0.131584
PITG_12828.1	Pra74998	Phytophthora ramorum	263	0	0.134842
PITG_12828.1	Pra71773	Phytophthora ramorum	232	31	0.27619
PITG_12828.1	Pra80133	Phytophthora ramorum	262	1	0.286811
PITG_12828.1	Pra42333	Phytophthora ramorum	168	95	0.362146
PITG_12828.1	Pso109550	Phytophthora sojae	233	30	0.107652
PITG_12828.1	Pso143281	Phytophthora sojae	267	4	0.155276
PITG_12828.1	Pso140498	Phytophthora sojae	118	145	0.356683
PITG_12828.1	Pso122879	Phytophthora sojae	200	63	0.393192
PITG_12828.1	Pso114347	Phytophthora sojae	158	105	0.433051
PITG_12829.1	Pra39825	Phytophthora ramorum	253	10	0.131584
PITG_12829.1	Pra74998	Phytophthora ramorum	263	0	0.134842
PITG_12829.1	Pra71773	Phytophthora ramorum	232	31	0.27619
PITG_12829.1	Pra80133	Phytophthora ramorum	262	1	0.286811
PITG_12829.1	Pra42333	Phytophthora ramorum	168	95	0.362146
PITG_12829.1	Pso109550	Phytophthora sojae	233	30	0.107652
PITG_12829.1	Pso143281	Phytophthora sojae	267	4	0.155276
PITG_12829.1	Pso140498	Phytophthora sojae	118	145	0.356683
PITG_12829.1	Pso122879	Phytophthora sojae	200	63	0.393192

PITG_12829.1	Pso114347	Phytophthora sojae	158	105	0.433051
PITG_14167.1	Pra82586	Phytophthora ramorum	282	41	0.256595
PITG_14167.1	Pra82590	Phytophthora ramorum	283	40	0.258934
PITG_14167.1	Pra42333	Phytophthora ramorum	168	155	0.424255
PITG_14167.1	Pra44446	Phytophthora ramorum	181	142	0.484718
PITG_14167.1	Pra82591	Phytophthora ramorum	1788	1465	0.498517
PITG_14167.1	Pso137800	Phytophthora sojae	187	136	0.281317
PITG_14167.1	Pso137799	Phytophthora sojae	297	26	0.409129
PITG_14167.1	Pso114347	Phytophthora sojae	158	165	0.473056
PITG_14168.1	Pra82591	Phytophthora ramorum	1788	1483	0.241871
PITG_14168.1	Pra42333	Phytophthora ramorum	168	137	0.380374
PITG_14168.1	Pra44446	Phytophthora ramorum	181	124	0.387467
PITG_14168.1	Pra44485	Phytophthora ramorum	180	125	0.39602
PITG_14168.1	Pra82586	Phytophthora ramorum	282	23	0.400197
PITG_14168.1	Pso137796	Phytophthora sojae	278	27	0.233183
PITG_14168.1	Pso137800	Phytophthora sojae	187	118	0.401603
PITG_14168.1	Pso114347	Phytophthora sojae	158	147	0.428219
PITG_14168.1	Pso142500	Phytophthora sojae	195	110	0.477958
PITG_14168.1	Pso137799	Phytophthora sojae	297	8	0.481775
PITG_14287.1	Pra44512	Phytophthora ramorum	223	284	0.087251
PITG_14287.1	Pra77029	Phytophthora ramorum	243	264	0.100502
PITG_14287.1	Pra43398	Phytophthora ramorum	218	289	0.111147
PITG_14287.1	Pra87411	Phytophthora ramorum	557	50	0.133411
PITG_14287.1	Pra86169	Phytophthora ramorum	629	122	0.139405
PITG_14287.1	Pso145623	Phytophthora sojae	205	302	0.118694
PITG_14287.1	Pso122873	Phytophthora sojae	157	350	0.124041
PITG_14287.1	Pso144923	Phytophthora sojae	656	149	0.149916
PITG_14287.1	Pso132161	Phytophthora sojae	255	252	0.183481
PITG_14287.1	Pso114189	Phytophthora sojae	193	314	0.191295
PITG_14288.1	Pra44512	Phytophthora ramorum	223	255	0.097535
PITG_14288.1	Pra77029	Phytophthora ramorum	243	235	0.110136
PITG_14288.1	Pra43398	Phytophthora ramorum	218	260	0.120494
PITG_14288.1	Pra87411	Phytophthora ramorum	557	79	0.136072
PITG_14288.1	Pra86169	Phytophthora ramorum	629	151	0.142474
PITG_14288.1	Pso145623	Phytophthora sojae	205	273	0.128489
PITG_14288.1	Pso122873	Phytophthora sojae	157	321	0.136976
PITG_14288.1	Pso144923	Phytophthora sojae	656	178	0.15923
PITG_14288.1	Pso122879	Phytophthora sojae	200	278	0.161262
PITG_14288.1	Pso114189	Phytophthora sojae	193	285	0.191295

PITG_15296.1	Pra82590	Phytophthora ramorum	283	368	0.363832
PITG_15296.1	Pra82586	Phytophthora ramorum	282	369	0.366273
PITG_15296.1	Pra42333	Phytophthora ramorum	168	483	0.442163
PITG_15296.1	Pra44446	Phytophthora ramorum	181	470	0.486711
PITG_15296.1	Pso137800	Phytophthora sojae	187	464	0.272683
PITG_15299.1	Pra82590	Phytophthora ramorum	283	20	0.264475
PITG_15299.1	Pra82586	Phytophthora ramorum	282	19	0.297924
PITG_15299.1	Pso137800	Phytophthora sojae	187	76	0.426766
PITG_15299.1	Pso137799	Phytophthora sojae	297	34	0.443456
PITG_16160.1	Pra44512	Phytophthora ramorum	223	284	0.08756
PITG_16160.1	Pra77029	Phytophthora ramorum	243	264	0.100941
PITG_16160.1	Pra43398	Phytophthora ramorum	218	289	0.11484
PITG_16160.1	Pra87411	Phytophthora ramorum	557	50	0.133606
PITG_16160.1	Pra86169	Phytophthora ramorum	629	122	0.139607
PITG_16160.1	Pso145623	Phytophthora sojae	205	302	0.117585
PITG_16160.1	Pso122873	Phytophthora sojae	157	350	0.122524
PITG_16160.1	Pso144923	Phytophthora sojae	656	149	0.149626
PITG_16160.1	Pso132161	Phytophthora sojae	255	252	0.183268
PITG_16160.1	Pso114189	Phytophthora sojae	193	314	0.191295
PITG_17207.1	Pra44512	Phytophthora ramorum	223	264	0.08756
PITG_17207.1	Pra77029	Phytophthora ramorum	243	244	0.106505
PITG_17207.1	Pra43398	Phytophthora ramorum	218	269	0.11484
PITG_17207.1	Pra87411	Phytophthora ramorum	557	70	0.13188
PITG_17207.1	Pra86169	Phytophthora ramorum	629	142	0.138196
PITG_17207.1	Pso145623	Phytophthora sojae	205	282	0.117585
PITG_17207.1	Pso122873	Phytophthora sojae	157	330	0.122524
PITG_17207.1	Pso144923	Phytophthora sojae	656	169	0.14252
PITG_17207.1	Pso142501	Phytophthora sojae	573	86	0.190691
PITG_17207.1	Pso114189	Phytophthora sojae	193	294	0.192923
PITG_17208.1	Pra87411	Phytophthora ramorum	557	352	0.07338
PITG_17208.1	Pra44512	Phytophthora ramorum	223	18	0.076784
PITG_17208.1	Pra77029	Phytophthora ramorum	243	38	0.078918
PITG_17208.1	Pra86169	Phytophthora ramorum	629	424	0.083158
PITG_17208.1	Pra77024	Phytophthora ramorum	653	448	0.088195
PITG_17208.1	Pso144923	Phytophthora sojae	656	451	0.094428
PITG_17208.1	Pso132161	Phytophthora sojae	255	50	0.104322
PITG_17208.1	Pso145623	Phytophthora sojae	205	0	0.108018
PITG_17208.1	Pso142501	Phytophthora sojae	573	368	0.108018
PITG_17208.1	Pso122873	Phytophthora sojae	157	48	0.109934

PITG_17210.1	Pra44512	Phytophthora ramorum	223	99	0.095154
PITG_17210.1	Pra77029	Phytophthora ramorum	243	79	0.113551
PITG_17210.1	Pra43398	Phytophthora ramorum	218	104	0.12833
PITG_17210.1	Pra87411	Phytophthora ramorum	557	235	0.131245
PITG_17210.1	Pra86169	Phytophthora ramorum	629	307	0.133487
PITG_17210.1	Pso144923	Phytophthora sojae	656	334	0.172254
PITG_17210.1	Pso142501	Phytophthora sojae	573	251	0.194062
PITG_17210.1	Pso114189	Phytophthora sojae	193	129	0.212508
PITG_17210.1	Pso132157	Phytophthora sojae	701	379	0.23355
PITG_17210.1	Pso132156	Phytophthora sojae	701	379	0.23355
PITG_18477.1	Pra77024	Phytophthora ramorum	653	528	0.092207
PITG_18477.1	Pra86169	Phytophthora ramorum	629	504	0.092207
PITG_18477.1	Pra44512	Phytophthora ramorum	223	98	0.094009
PITG_18477.1	Pra87411	Phytophthora ramorum	557	432	0.094009
PITG_18477.1	Pra77029	Phytophthora ramorum	243	118	0.094009
PITG_18477.1	Pso142501	Phytophthora sojae	573	448	0.138171
PITG_18477.1	Pso145623	Phytophthora sojae	205	80	0.138171
PITG_18477.1	Pso132161	Phytophthora sojae	255	130	0.138355
PITG_18477.1	Pso144923	Phytophthora sojae	656	531	0.138355
PITG_18477.1	Pso132158	Phytophthora sojae	255	130	0.142919
PITG_18478.1	Pra87411	Phytophthora ramorum	557	115	0.18782
PITG_18478.1	Pra44446	Phytophthora ramorum	181	261	0.188083
PITG_18478.1	Pra77024	Phytophthora ramorum	653	211	0.188777
PITG_18478.1	Pra86169	Phytophthora ramorum	629	187	0.19453
PITG_18478.1	Pra42333	Phytophthora ramorum	168	274	0.204075
PITG_18478.1	Pso122873	Phytophthora sojae	157	285	0.150589
PITG_18478.1	Pso122879	Phytophthora sojae	200	242	0.166817
PITG_18478.1	Pso145623	Phytophthora sojae	205	237	0.18078
PITG_18478.1	Pso114189	Phytophthora sojae	193	249	0.191295
PITG_18478.1	Pso144923	Phytophthora sojae	656	214	0.215299
PITG_18482.1	Pra44512	Phytophthora ramorum	223	272	0.087646
PITG_18482.1	Pra77029	Phytophthora ramorum	243	252	0.101237
PITG_18482.1	Pra43398	Phytophthora ramorum	218	277	0.114959
PITG_18482.1	Pra87411	Phytophthora ramorum	557	62	0.135386
PITG_18482.1	Pra86169	Phytophthora ramorum	629	134	0.141578
PITG_18482.1	Pso145623	Phytophthora sojae	205	290	0.11771
PITG_18482.1	Pso122873	Phytophthora sojae	157	338	0.122695
PITG_18482.1	Pso144923	Phytophthora sojae	656	161	0.144077
PITG_18482.1	Pso132161	Phytophthora sojae	255	240	0.182643

PITG_18482.1	Pso114189	Phytophthora sojae	193	302	0.191295
PITG_19366.1	Pra44512	Phytophthora ramorum	223	272	0.092437
PITG_19366.1	Pra77029	Phytophthora ramorum	243	252	0.105643
PITG_19366.1	Pra43398	Phytophthora ramorum	218	277	0.119999
PITG_19366.1	Pra87411	Phytophthora ramorum	557	62	0.137632
PITG_19366.1	Pra86169	Phytophthora ramorum	629	134	0.143832
PITG_19366.1	Pso122873	Phytophthora sojae	157	338	0.109321
PITG_19366.1	Pso145623	Phytophthora sojae	205	290	0.112799
PITG_19366.1	Pso144923	Phytophthora sojae	656	161	0.147199
PITG_19366.1	Pso132161	Phytophthora sojae	255	240	0.187221
PITG_19366.1	Pso114189	Phytophthora sojae	193	302	0.192199
PITG_19909.1	Pra75227	Phytophthora ramorum	441	316	0.435554
PITG_20992.1	Pra75227	Phytophthora ramorum	441	319	0.432161
PITG_21462.1	Pra75227	Phytophthora ramorum	441	39	0.26459
PITG_21462.1	Pra75226	Phytophthora ramorum	451	49	0.35397
PITG_21462.1	Pra75225	Phytophthora ramorum	454	52	0.398566
PITG_21462.1	Pra39775	Phytophthora ramorum	344	58	0.398954
PITG_21462.1	Pra46219	Phytophthora ramorum	353	49	0.411837
PITG_21462.1	Pso145395	Phytophthora sojae	442	40	0.242538
PITG_21462.1	Pso144173	Phytophthora sojae	427	25	0.247161
PITG_21462.1	Pso144196	Phytophthora sojae	457	55	0.365081
PITG_21462.1	Pso144197	Phytophthora sojae	457	55	0.369281
PITG_21462.1	Pso144172	Phytophthora sojae	222	180	0.395161
PITG_21463.1	Pra75225	Phytophthora ramorum	454	16	0.324361
PITG_21463.1	Pra75227	Phytophthora ramorum	441	29	0.376793
PITG_21463.1	Pra39775	Phytophthora ramorum	344	126	0.381838
PITG_21463.1	Pra46219	Phytophthora ramorum	353	117	0.404817
PITG_21463.1	Pra75226	Phytophthora ramorum	451	19	0.42687
PITG_21463.1	Pso144172	Phytophthora sojae	222	248	0.25269
PITG_21463.1	Pso144191	Phytophthora sojae	489	19	0.36293
PITG_21463.1	Pso145119	Phytophthora sojae	364	106	0.39309
PITG_21463.1	Pso124664	Phytophthora sojae	192	278	0.413662
PITG_21463.1	Pso145395	Phytophthora sojae	442	28	0.44488
PITG_21499.1	Pra85622	Phytophthora ramorum	420	179	0.289294
PITG_21499.1	Pra85623	Phytophthora ramorum	939	698	0.354172
PITG_21499.1	Pra86921	Phytophthora ramorum	513	272	0.478736
PITG_21499.1	Pso141647	Phytophthora sojae	402	161	0.283517
PITG_21499.1	Pso140268	Phytophthora sojae	444	203	0.341272
PITG_21499.1	Pso140272	Phytophthora sojae	974	733	0.343543

PITG_21499.1	Pso132225	Phytophthora sojae	974	733	0.343543
PITG_21499.1	Pso145391	Phytophthora sojae	824	583	0.343604
PITG_21714.1	Pra80133	Phytophthora ramorum	262	86	0.044989
PITG_21714.1	Pra71773	Phytophthora ramorum	232	56	0.050711
PITG_21714.1	Pra39825	Phytophthora ramorum	253	77	0.186696
PITG_21714.1	Pra74998	Phytophthora ramorum	263	87	0.192068
PITG_21714.1	Pra44446	Phytophthora ramorum	181	5	0.320036
PITG_21714.1	Pso140498	Phytophthora sojae	118	58	0.214536
PITG_21714.1	Pso143281	Phytophthora sojae	267	91	0.224151
PITG_21714.1	Pso109550	Phytophthora sojae	233	57	0.231281
PITG_21714.1	Pso140239	Phytophthora sojae	396	220	0.334632
PITG_21714.1	Pso140241	Phytophthora sojae	369	193	0.334632
PITG_22166.1	Pra44483	Phytophthora ramorum	226	90	0.168941
PITG_22166.1	Pra44487	Phytophthora ramorum	219	83	0.168941
PITG_22166.1	Pra44446	Phytophthora ramorum	181	45	0.174156
PITG_22166.1	Pra42333	Phytophthora ramorum	168	32	0.183388
PITG_22166.1	Pra86169	Phytophthora ramorum	629	493	0.198425
PITG_22166.1	Pso132156	Phytophthora sojae	701	565	0.139292
PITG_22166.1	Pso132157	Phytophthora sojae	701	565	0.139292
PITG_22166.1	Pso114189	Phytophthora sojae	193	57	0.163968
PITG_22166.1	Pso140239	Phytophthora sojae	396	260	0.189474
PITG_22166.1	Pso140241	Phytophthora sojae	369	233	0.189474
PITG_22227.1	Pra71773	Phytophthora ramorum	232	1	0.252838
PITG_22227.1	Pra80133	Phytophthora ramorum	262	29	0.255162
PITG_22227.1	Pra44446	Phytophthora ramorum	181	52	0.359794
PITG_22227.1	Pra42333	Phytophthora ramorum	168	65	0.37533
PITG_22227.1	Pra39825	Phytophthora ramorum	253	20	0.404586
PITG_22227.1	Pso142500	Phytophthora sojae	195	38	0.393146
PITG_22227.1	Pso140498	Phytophthora sojae	118	115	0.412556
PITG_22227.1	Pso143281	Phytophthora sojae	267	34	0.479307
PITG_22227.1	Pso114347	Phytophthora sojae	158	75	0.479811
PITG_22227.1	Pso144923	Phytophthora sojae	656	423	0.479948
PITG_22632.1	Pra71773	Phytophthora ramorum	232	132	0.480138
PITG_22632.1	Pra80133	Phytophthora ramorum	262	162	0.480138