

PscRXLR1 1 MVWLQLKKSGLGFTMSLSAVYGAVYAAAN-SVPAGKIDSGKKAMRHLENLPLLIASDSLE
Psc_781.4 1 -----MSLSAVYGAVYAAAN-SVPAGKIDSGKKAMRHLENLPLLIASDSLE
P. sojae 156165 1 -----MPLPAVYGAVYATATSSAPAGKIDSGKKAMRHLENLPLLVASDSLE
PITG_17484 1 -----MPLPAVYGAVYASATSSAPAG-----KKAIRHLENLPLLVASDSLE
P. ramorum 96701_0_3435 1 -----MPLPAVYGAVYATATRSAPAGKIDSGKKAMRHLENLPLLIASDSLID
PYU1_T005955 1 -----MPAPAAVGIAVAAAA-----NTDSGKKAMKQLEELPLLAVRHASD

PscRXLR1 60 SVSTEGKWLPRFRLRQAIMRSTIANRIAGIILVSTSAFLASCIATLVKEDAVKLAPVEILFW
Psc_781.4 46 SVSTEGKWLPRFRLRQAIMRSTIANRIAGIILVSTSAFLASCIATLVKEDAVKLAPVEILFW
P. sojae 156165 47 SMSTDGKWLPRFMRRAVVRSVANRIAGLILVGTSAFLASCIATLVKDDAFKLSIVETLFW
PITG_17484 42 SMTTEGKWLPRFMRRAVVRSVANRIAGLILVGTSAFLASCIATLVKDDTIKLSAIEALFW
P. ramorum 96701_0_3435 47 SMSTEGKWLPRFMRRAVVRSVANRIAGLILVGTSAVLASCIATLTKDADFKLSPVETLFW
PYU1_T005955 41 AAIRTGSRRLPKLVCKWYSKLSATQLEGVVLVAASAFTFSLISTLTKYASQSMPSMETVFW

PscRXLR1 120 RSLVSWLLTLVSS*-----
Psc_781.4 106 RSLVSWLLTLVAITTTGVKTRLKKEYRPIVLRSTFGCIATTLTIIMLQELAVSNATAIT
P. sojae 156165 107 RSLVSWLLTLAAIAATGVKMRVKKEFORPLLLRCFTGCIALTLTVLVIQKLEVSNATAIT
PITG_17484 102 RSLVSWFLTVAALATTSTKMRVKKEFNRPLTLRCVFGCISTTLTIGVLEKLAVSNATAVT
P. ramorum 96701_0_3435 107 RSLVSWLLTLAAIAATGIRMRVKKEFHRPLVLRVTCVAMTLLVLQTLAVSNATAIT
PYU1_T005955 101 RSFVAVLLNLVAVWQ-----MVLADASVLI

PscRXLR1 -----
Psc_781.4 166 YFSPLLAFAAAMFLKEKPKLFAVACSVMCVIGAVLVVRPVFLFGKSGSTDASWYRRSMT
P. sojae 156165 167 YLSPLLAFAAAMFFLKEKPGAFTLACSAICVVGAVQVVRPAFVFGKNGSTDAKWYRRSMT
PITG_17484 162 YVSPLLAFAAMATFFLKEKPGVFTAVCSALCVAGAVLVVRPAFLFGKSGSTDAKWYHRSMA
P. ramorum 96701_0_3435 167 YFSPLLAFAAAMFFIKEKPDIFTVACSVVCVAGAILVVRPAFLFGKDGSTDAKWYRRSMA
PYU1_T005955 126 FTSPVMTFLLGAMVLKEKIDPVNMGYALFSFVGVICVVRPSFIFGNDHTTAG-----

PscRXLR1 -----
Psc_781.4 226 SFVTSYLFGESLAIGCAIIVVFMQAGAYVSLRSLQKVPHLVVMHYLVTTTLVSLIP*----
P. sojae 156165 227 SFVTSYLFGESLAIGCAVTVVFMQAGAYVSLRSLQKVPHLVVMNYFLLTMTLVSLIAILV
PITG_17484 222 SFVTSNLFGESLAIGCAVVVAFVFMQAGAYVSLRSLHKVEYLVVMQYVLFMTTLAALAAMLG
P. ramorum 96701_0_3435 227 SFVTSYLFGESLAIGCAAVVVFVFMQAGAYVSLRSLQKVPHLVVMHYFLLSMTLVSLVAVLV
PYU1_T005955 178 -----TDGSVFAIMCALIGAAAQAVAYVSMRRLQOVNVLVVINYFLLTSSVMSALSLLI

PscRXLR1 -----
Psc_781.4 -----
P. sojae 156165 287 VQHGKFKAGLSVETWGAAILGTGALAFAEQLFLTRGFQFDGAGVLAATRLLHVGYEFVWGV
PITG_17484 282 IQHGKFKAGTSLVETWGAIVGTGALAFVEQLFLTRGFQFDGAGVLAATRLLHVSCEFAWGV
P. ramorum 96701_0_3435 287 VQHGKFKTDLISLGTWSAILGTGALAFAEQLFLTRGFQFDGAGVLAATRLLHVGCFAWGV
PYU1_T005955 232 VQR-KFVIKMSLDVWLAVLGTGFLGFLGQLFLTRGFQLESAGTASVMRYLDVVFVWVDI

PscRXLR1
Psc_781.4
P. sojae 156165 347 ALLGTALNPWSASGAAATAAGVLFLALRRRTARSREALAPHKNAYLH-----FSHARR
PITG_17484 342 ILLGTALNPWSAGGAGVTAAGVLFLALRRVHTHWAARRSLRRILQ*-----
P. ramorum 96701_0_3435 347 ILLGTALNPWSASGAAATAAGVLFLALRRVHTHWAARRSLRRMAAKPHKNAYLHFSSARR
PYU1_T005955 291 TLLHERINAWSAVGALICGSAIATAIRKMQS*-----

PscRXLR1
Psc_781.4
P. sojae 156165 399 DELAAENPSWSVQQVSAELGRQWKALSAAERKPWVELAQFDKARFHTEAHHHV-NQQQSD
PITG_17484
P. ramorum 96701_0_3435 407 EQLAEANPAWSVQQVSAELGRQWKSLAAVERKPWVELAQFDKARYHTEAHQHMRQOTDEQ
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 458 EQPEQAPPKRKKQSNEPRQPDYICFWKSQRPEVVAANPFLAAPLVSKEVGRQWRALSD
PITG_17484
P. ramorum 96701_0_3435 467 PERPHLPTKRKKRPNEPRQPDYICFWKSRRPEVIAENPLLAAPSVSREEIARFQP---
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 518 DERQPTLAATTPDMLSALKTPLKDPFAPKPAKTAQFLFMSHNRESFMLLNMTINEFRAEM
PITG_17484
P. ramorum 96701_0_3435 524 -----ALVATSEIPPALKAPLKDPFAPKPAKTGFQFLFMSHNRESFTLLNMTINEFRTEM
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 578 SQLWKRLSDADKAEWHELAKEDQRRYDTEMNAYKPPAYMDLVVQRSHKRMEELRRLARED
PITG_17484
P. ramorum 96701_0_3435 578 SQLWKRLSDADKNEWYELAKLDERRYETEMNAYKPPAYMESAVQRAHKRLDELRLARRD
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 638 SAAPRLPMNAYNCYLSAKRQELVDRRPGRKNPEIMREIGVTWKALSDDERAVYQRKADED
PITG_17484
P. ramorum 96701_0_3435 638 AAAPRLPMNAYNCYLSKERQELAVQRPDLKNPEIMREIGVTWKALSEDERASFQRKAEDD
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 698 VERFRAEMEAAHIAKKNEEEAANPLTKRRPRKRKEFDDEEELVKTPVPRKKRKS GPPRRP
PITG_17484
P. ramorum 96701_0_3435 698 VERFRADMEAYLTQQEEQRAVQEEQDVEPEVVREV VHEVVKEP--VVGRKKRKS VSPRRP
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 758 KTAYNLMYMSKRTELLSTYQMSHNECSALCGKLWRQMSEAERE PYKRMAAEDKHRYE AEL
PITG_17484
P. ramorum 96701_0_3435 756 KTAYNLMYMSKRAELLSTYQMSHNECSALCGRLWRQMSEEERE PYKRMAAEDK RRYETEM
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 818 QVYNAQQEEANNKTLRDSAGFRHFLEAKRRENEA ISSDEAAAIWQEMTEPHQLLWTE LAR
PITG_17484
P. ramorum 96701_0_3435 816 EIYNAEVDAANKKTLRESAGFSYFLEAKRRENEQI SEGEAAAIWRDMLAPHQMLWTE LAS
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165 878 DNKHKTSVERTAVDVLDTLL*-----
PITG_17484
P. ramorum 96701_0_3435 876 DTPAPASSNATHQKGQTMNGGRWTEQEHQSFLAGLR LYGREWKKVAAKIKTRTSAQIRS
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165
PITG_17484
P. ramorum 96701_0_3435 936 HAQKYFAKLARDDEM RKHSGLSMIMAGSIGYFSDGGSSVAQNSGDDDAEASDASRQMARA
PYU1_T005955

PscRXLR1
Psc_781.4
P. sojae 156165
PITG_17484
P. ramorum 96701_0_3435 996 RSAGQSKGTAA ILIAPMGSAVSGLYKQTTGATKKRARA AVTGFDGQLEMGAATSSFPYKL
PYU1_T005955

PscRXLR1 -----
Psc_781.4 -----
Psoj^{ae}_156165 -----
PITG_17484 -----
P. ramorum 96701_0_3435 QKRQNDATRVEYLP^SQEELLAKASPNLRHRLSSLIEAELCALQVLSCYAMLQQEQISAP
PYU1_T005955 -----

PscRXLR1 -----
Psc_781.4 -----
Psoj^{ae}_156165 -----
PITG_17484 -----
P. ramorum 96701_0_3435 1116 RQKTKRQGSAKASTLGLPMLSTEQMPPTSSIIY*
PYU1_T005955 -----