XP_466142 *Oryza sativa* (japonica cultivar-group) BAD16192 putative receptor protein kinase PERK1/putative receptor protein kinase PERK1
XP_475300 *Oryza sativa* (japonica cultivar-group) AAT58883 putative protein kinase
AT4G02630 = NP_192172 AAC78256 CAB80756 AAO42226 AAO64003 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative serine/threonine protein kinase /putative serine/threonine protein kinase /putative serine/
AAB61036 *Arabidopsis thaliana* CAB80942 Similar to protein kinase/putative protein kinase
AT1G01540 = NP_171661 CAA73303 AAG48792 AAK56254 AAM16225 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative kinase /putative protein serine/threonine kinase /At1g01540/F22L4_6 /At1g01540/F22L4_6
NP_916787 *Oryza sativa* (japonica cultivar-group) BAB63540 P0003E08.6/S-receptor kinase homolog precursor-like
AT3G17420 = NP_188368 BAB02918 AAL38871 AAM20021 GPK1; ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase-like protein /putative /threonine protein kinase /putative serine
AT5G18500 = NP_197351 NP_001031898 AAM22741 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Ser Thr specific prote
ABA96186 *Oryza sativa* (japonica cultivar-group) Protein kinase domain, putative
AAU10525 *Glycine max* putative receptor-like protein kinase 3
AT1G56720 = NP_974041 NP_564722 AAG90092 AAM65034 AAP37681 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Putativ
AT1G09440 = NP_172415 AAC33204 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Putative protein kinase
NP_917529 *Oryza sativa* (japonica cultivar-group) putative receptor-like protein kinase
CAH39852 *Zea mays* putative protein kinase
CAH55606 *Zea mays* putative protein kinase
CAH39850 *Zea mays* CAH39851 putative protein kinase/putative protein kinase
NP_922159 *Oryza sativa* (japonica cultivar-group) AAL58279 ABB47827 putative protein kinase/putative kinase /kinase, putative
AT2G42960 = NP_181825 AAD21713 AAM15294 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putative protein kinase
AT3G59110 = NP_191470 CAB86939 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like protein kinase
NP_908679 *Oryza sativa* (japonica cultivar-group) BAB21240 Putative protein kinase/receptor protein kinase PERK1-like protein
AT1G56145 = NP_564710 AAG50909 ATP binding/protein kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor protein kinase, putative
XP_480583 *Oryza sativa* (japonica cultivar-group) BAD03117 BAD02994 BAD03607 putative Receptor-like serine/threonine kinase(RFK1) /putative Receptor-like serine/threonine kinase(RFK1) /putative Receptor-like serine/threonine kinase(RFK1) /putative Rec
AAY67902 *Saccharum hybrid cultivar* SHR5-receptor-like kinase
XP_480586 *Oryza sativa* (japonica cultivar-group) BAD02997 putative Receptor-like serine/threonine kinase(RFK1) /putative Receptor-like serine/threonine kinase(RFK1)
XP_480585 *Oryza sativa* (japonica cultivar-group) BAD02996 putative Receptor-like serine/threonine kinase(RFK1) /putative Receptor-like serine/threonine kinase(RFK1)
XP_473894 *Oryza sativa* (japonica cultivar-group) CAD41883 OSJNBa0093O08.2/OSJNBa0093O08.2
XP_473893 *Oryza sativa* (japonica cultivar-group) CAD41882 OSJNBa0093O08.1/OSJNBa0093O08.1
AT1G07650 = NP_172244 AAF75093 ATP binding/kinase/protein serine/threonine kinase /Contains similarity to a receptor-like serine/threonine kinase from Arabidopsis thaliana gb|AF024648. It contains a pkinase domain PF|00069
AT1G53440 = NP_175749 AAF78445 kinase/Contains a weak similarity to disease resistance protein (cf-5) gene from Lycopersicon esculentum gb|AF053993 and contains multiple leucine rich PF|00560 repeats and protein kinase PF|00069 domain. EST gb|T04455
AT1G53430 = NP_175748 AAF78446 kinase/Contains similarity to receptor-like serine/threonine kinase from Arabidopsis thaliana gb|AF024648 and contains multiple leucine rich PF|00560 repeats and protein kinase PF|00069 domain. ESTs gb|T04455, gb|N3812
AAG10622 *Arabidopsis thaliana* AAG50772 Putative receptor-like serine/threonine protein /receptor-like serine/threonine kinase (RFK1), putative
AT1G29730 = NP_174266 AAG50775 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like serine/threonine kinase, putative
AT1G29740 = NP_174267 AAG10620 AAG50774 kinase/Putative receptor-like serine/threonine kinase /receptor protein kinase, putative
AT1G53420 = NP_175747 AAF69542 ATP binding/kinase/protein serine/threonine kinase /F12M16.30
AT3G14840 = NP_188102 BAB02650 ATP binding/protein binding /protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like serine/threonine kinase
XP_475552 *Oryza sativa* (japonica cultivar-group) AAS90671 AAT39230 hypothetical protein/unknown protein /hypothetical protein
AT1G55200 = NP_175916 AAG51561 AAL36319 AAM20044 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /protein kinase, putative; 86372-89112 /putative protein kinase /putative protein kinase
BAD37343 *Oryza sativa* (japonica cultivar-group) BAD37625 putative protein kinase/putative protein kinase
AT1G70460 = NP_177203 AAG52479 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase; 6068-8907
AT1G10620 = NP_172532 ATP binding/kinase/protein kinase/protein serine/threonine kinase
AT1G23540 = NP_173768 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase
AT1G26150 = NP_173940 AAG50687 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Pto kinase interactor, putative
AT5G38560 = NP_198672 BAB10146 AAL11616 AAL77688 AAM47347 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase/structural constituent of cell wall /unnamed protein product /At5g38560/MBB18_10 /At5g38560/MBB18_10
NP_908412 *Oryza sativa* (japonica cultivar-group) BAB39873 putative LRR receptor-like protein kinase/putative LRR receptor-like protein kinase
NP_909797 *Oryza sativa* (japonica cultivar-group) AAN65028 protein kinase/putative kinase
XP_476579 *Oryza sativa* (japonica cultivar-group) BAC83482 putative protein kinase CDG1/putative protein kinase CDG1
AT2G18470 = NP_179437 AAD12219 AAM15257 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putative protein kinase
AT4G34440 = NP_195170 BAC43092 AAO64890 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase/serine/threonine protein kinase /At4g34440
AT1G49270 = NP_175353 AAC43169 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Similar to somatic embryogenesis receptor-like kinase
AT3G18810 = NP_188511 BAB01809 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /somatic embryogenesis receptor-like protein
AAO72646 *Oryza sativa* (japonica cultivar-group) AAV25281 putative receptor protein kinase/putative protein kinase
NP_913464 *Oryza sativa* (japonica cultivar-group) BAB78668 putative receptor protein kinase PERK1/putative brassinosteroid insensitive 1-associated receptor kinase 1
AT3G24540 = NP_189097 BAB02005 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /protein kinase-like protein
AAK21965 *Brassica napus* receptor protein kinase PERK1
AT3G24550 = NP_189098 BAB02007 AAK43886 AAL10479 AAL24383 AAM91192 AAP37759 AAP37768 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /protein kinase-like protein /protein kinase-like protein /At3g24550/MOB
BAB02941 *Arabidopsis thaliana* somatic embryogenesis receptor-like protein
AT1G52290 = NP_175639 AAG51550 AAS49120 BAD95250 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /protein kinase, putative; 60711-62822 /At1g52290 /protein kinase
BAE46451 *Glycine max* putative receptor protein kinase PERK1
NP_919495 *Oryza sativa* (japonica cultivar-group) AAK00425 AAP51782 putative protein kinase/Putative protein kinase /Protein kinase domain, putative
XP_464376 *Oryza sativa* (japonica cultivar-group) XP_506736 BAD15416 BAD15446 receptor protein kinase PERK1-like protein/PREDICTED OJ1115_B01.27 gene product /receptor protein kinase PERK1-like protein /receptor protein kinase PERK1-like protein
Smo_SERK2AT1G34210_7_1
Smo_SERK2AT1G34210_12_1
Smo_SERK2AT1G34210_82_1
Ppa_SERK2AT1G34210_32_1
XP_550586 *Oryza sativa* (japonica cultivar-group) BAD44800 BAD67663 putative transmembrane protein kinase/putative transmembrane protein kinase /putative transmembrane protein kinase
XP_473095 *Oryza sativa* (japonica cultivar-group) CAD41180 CAE05566 OSJNBb0116K07.19/OSJNBb0002J11.4 /OSJNBb0116K07.19
AT5G63930 = NP_201198 BAA96896 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like protein kinase
AT1G17230 = NP_173166 AAD50027 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase/receptor-like protein kinase /Similar to receptor-like protein kinase
XP_469815 *Oryza sativa* (japonica cultivar-group) XP_507071 AAR01680 putative receptor-like protein kinase (having alternative splicing)/PREDICTED OSJNBb0081K01.8 gene product /putative receptor-like protein kinase (having alternative splicing)
AT5G48380 = NP_568696 BAA96958 AAK32899 AAL32637 AAL67082 AAM60365 ATP binding/protein binding /protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like protein kinase /At5g48380/MJE7_1 /receptor-like protein kinase /put
AAX95167 *Oryza sativa* (japonica cultivar-group) ABA92374 receptor-like protein kinase /receptor-like protein kinase
Q8GUQ5 *Lycopersicon esculentum* Q8L899 *Lycopersicon peruvianum* AAM48285 AAN85409 *Lycopersicon esculentum* BRI1_LYCES Brassinosteroid LRR receptor kinase precursor (tBRI1) (Altered brassinolide sensitivity 1) (Systemin receptor SR160)/BRI1_LYCPE Syst
BAC99050 *Pisum sativum* brassinosteroid receptor
AT3G13380 = NP_187946 Q9LJF3 BAB01743 AAM91089 ATP binding/protein binding /protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /BRL3_ARATH Serine/threonine-protein kinase BRI1-like 3 precursor (BRASSINOSTEROID INSENSITIVE 1-like
AT1G55610 = NP_175957 Q9ZWC8 AAF79510 BRL1 (BRI 1 LIKE); kinase/BRL1_ARATH Serine/threonine-protein kinase BRI1-like 1 precursor (BRASSINOSTEROID INSENSITIVE 1-like protein 1)/F20N2.4
CAC36390 *Capsella rubella* hypothetical protein
BAD16810 *Daucus carota* putative leucine rich repeat-type serine/threonine receptor-like kinase
CAC36401 *Lycopersicon esculentum* hypothetical protein
AAU12604 *Oryza sativa* (indica cultivar-group) AAU12612 ABA41564 putative leucine-rich repeat receptor-like kinase/putative leucine-rich repeat receptor-like kinase /putative leucine-rich repeat receptor-like kinase
BAD38602 *Oryza sativa* (japonica cultivar-group) AAU12606 AAV33330 *Oryza rufipogon* putative Phytosulfokine receptor precursor/putative leucine-rich repeat receptor-like kinase /putative leucine-rich repeat receptor-like kinase
AAV33328 *Oryza rufipogon* putative leucine-rich repeat receptor-like kinase
AT5G53890 = NP_200200 BAB10719 AAL36375 AAM14119 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor protein kinase-like protein /putative receptor protein kinase /putative receptor protein kinase
XP_474308 *Oryza sativa* (japonica cultivar-group) CAE03606 OSJNBb0004A17.6/OSJNBb0004A17.8
AT2G35620 = NP_181105 kinase
AT5G62710 = NP_201077 BAB10839 BAC42970 ATP binding/protein binding /protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like protein kinase /putative receptor like protein kinase
CAB51480 *Sorghum bicolor* putative protein serine/threonine kinase
ABA94685 *Oryza sativa* (japonica cultivar-group) protein serine, putative
AT5G63710 = NP_568977 BAB10464 AAL31184 AAM98289 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like protein kinase /At5g63710/MBK5_19 /At5g63710/MBK5_19
AT5G65240 = NP_201327 BAB11660 AAL24326 AAP13417 kinase/receptor-like protein kinase /receptor-like protein kinase /At5g65240
AAZ67538 *Brassica rapa subsp. pekinensis* 4D11_24
AAM13028 *Arabidopsis thaliana* protein serine/threonine kinase-like protein
AT5G10290 = NP_196591 CAB96685 kinase/protein serine/threonine kinase-like protein
XP_464966 *Oryza sativa* (japonica cultivar-group) BAD22198 putative SERK2 protein/putative SERK2 protein
XP_469439 *Oryza sativa* (japonica cultivar-group) XP_469440 AAS07247 AAS07248 putative receptor-like kinase (with alternative splicing)/putative receptor-like kinase (with alternative splicing) /putative receptor-like kinase (with alternative splicing
Ppa_SERK2AT1G34210_8_1
BAD37288 *Oryza sativa* (japonica cultivar-group) putative benzothiadiazole-induced somatic embryogenesis receptor kinase 1
Ppa_SERK2AT1G34210_84_1 Ppa_SERK2AT1G34210_71_1
Ppa_SERK2AT1G34210_107_1
Smo_SERK2AT1G34210_150_2
Smo_SERK2AT1G34210_93_1
XP_472733 *Oryza sativa* (japonica cultivar-group) CAD40895 AAU88198 OSJNBa0036B21.13/OSJNBa0036B21.13 /somatic embryogenesis protein kinase 1
CAC37642 *Zea mays* somatic embryogenesis receptor-like kinase 3
CAC37639 *Zea mays* CAC37641 SERK2 protein/somatic embryogenesis receptor-like kinase 2
CAC37638 *Zea mays* CAC37640 SERK1 protein/somatic embryogenesis receptor-like kinase 1
BAD86794 *Oryza sativa* (japonica cultivar-group) SERK family receptor-like protein kinase/SERK family receptor-like protein kinase
XP_480325 *Oryza sativa* (japonica cultivar-group) AAR26543 *Oryza sativa* (indica cultivar-group) BAD05545 *Oryza sativa* (japonica cultivar-group) BAD86793 putative somatic embryogenesis receptor kinase 1/benzothiadiazole-induced somatic embryogenesi
AT2G13800 = NP_179800 AAD28319 AAM19787 AAN64507 ATSERK5; ATP binding/protein kinase/protein serine/threonine kinase /receptor-like protein kinase /At2g13800/F13J11.15 /At2g13800/F13J11.15
AT2G13790 = NP_178999 AAD28318 AAL07092 ATSERK4; ATP binding/protein/protein/transmembrane receptor protein serine/threonine kinase /putative receptor-like protein kinase /unknown protein
AT4G33430 = NP_567920 TO5994 Q94F62 CAB38801 CAB80060 AAK68074 BAK1 (BRI1-ASSOCIATED RECEPTOR KINASE); kinase/TO5994 protein kinase homolog F17M5.190 - Arabidopsis thaliana/BAK1_ARATH BRASSINOSTEROID INSENSITIVE 1-associated receptor kinase 1 precur
BAD32780 *Citrus unshiu* somatic embryogenesis receptor kinase 1
AAN64293 *Medicago truncatula* AAN64294 somatic embryogenesis receptor kinase 1/somatic embryogenesis receptor kinase 1
AT1G71830 = NP_177328 AAF43236 AAK82463 AAN72307 SERK1 (SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE 1); kinase/Contains similarity to the somatic embryogenesis receptor-like kinase from Daucus carota gb|AC007454; It contains 3 leucine rich repeat dom
AAB61708 *Daucus carota* somatic embryogenesis receptor-like kinase
AAK68073 *Arabidopsis thaliana* somatic embryogenesis receptor kinase 2
AT1G34210 = NP_174683 AAD39611 SERK2 (SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE 2); kinase/Similar to gb|U93048 somatic embryogenesis receptor-like kinase from Daucus carota, contains 4 PF|00560 Leucine Rich Repeat domains and a PF|00069 Eukaryotic
Smo_SERK2AT1G34210_24_1
CAH56436 *Poa pratensis* somatic embryogenesis receptor-like kinase 2
CAH56437 *Poa pratensis* somatic embryogenesis receptor-like kinase 1
BAD27594 *Oryza sativa* (japonica cultivar-group) putative SERK1 protein
AT5G45780 = NP_199390 BAB09221 ATP binding/kinase/protein serine/threonine kinase /receptor-like protein kinase
AAT64017 *Gossypium hirsutum* AAT64032 putative leucine-rich repeat transmembrane protein; putative protein kinase/putative leucine-rich repeat transmembrane protein; putative protein kinase
XP_482638 *Oryza sativa* (japonica cultivar-group) BAD10034 putative somatic embryogenesis receptor kinase 1/putative somatic embryogenesis receptor kinase 1
AT2G23950 = NP_179973 AAC63680 kinase/putative LRR receptor protein kinase
AT4G30520 = NP_194781 CAB79770 AAL49800 AAM20188 ATP binding/protein binding /protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like kinase homolog /putative receptor kinase homolog /putative receptor kinase-like prote
AT3G25560 = NP_189183 NP_974360 BAB01326 AAL91629 AAO11535 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /receptor-like
NP_910682 *Oryza sativa* (japonica cultivar-group) BAB19337 BAD69166 receptor protein kinase-like protein/putative somatic embryogenesis protein kinase 1 /putative somatic embryogenesis protein kinase 1
AT5G16000 = NP_197104 CAC01799 AAL66960 AAL65586 AAN86199 kinase/receptor protein kinase-like protein /putative receptor protein kinase-like protein /putative receptor protein kinase
XP_550278 *Oryza sativa* (japonica cultivar-group) BAD68255 putative brassinosteroid insensitive 1-associated receptor kinase 1/putative brassinosteroid insensitive 1-associated receptor kinase 1
AT1G60800 = NP_176279 AAB71968 AAL07143 AAN12912 kinase/Putative Serine/Threonine protein kinase /putative receptor kinase /putative receptor kinase
BAD18102 *Ipomoea batatas* leucine-rich repeat receptor-like protein kinase
Ppa_SERK2AT1G34210_6_1
Ppa_SERK2AT1G34210_12_1
Ppa_SERK2AT1G34210_4_1

10.000