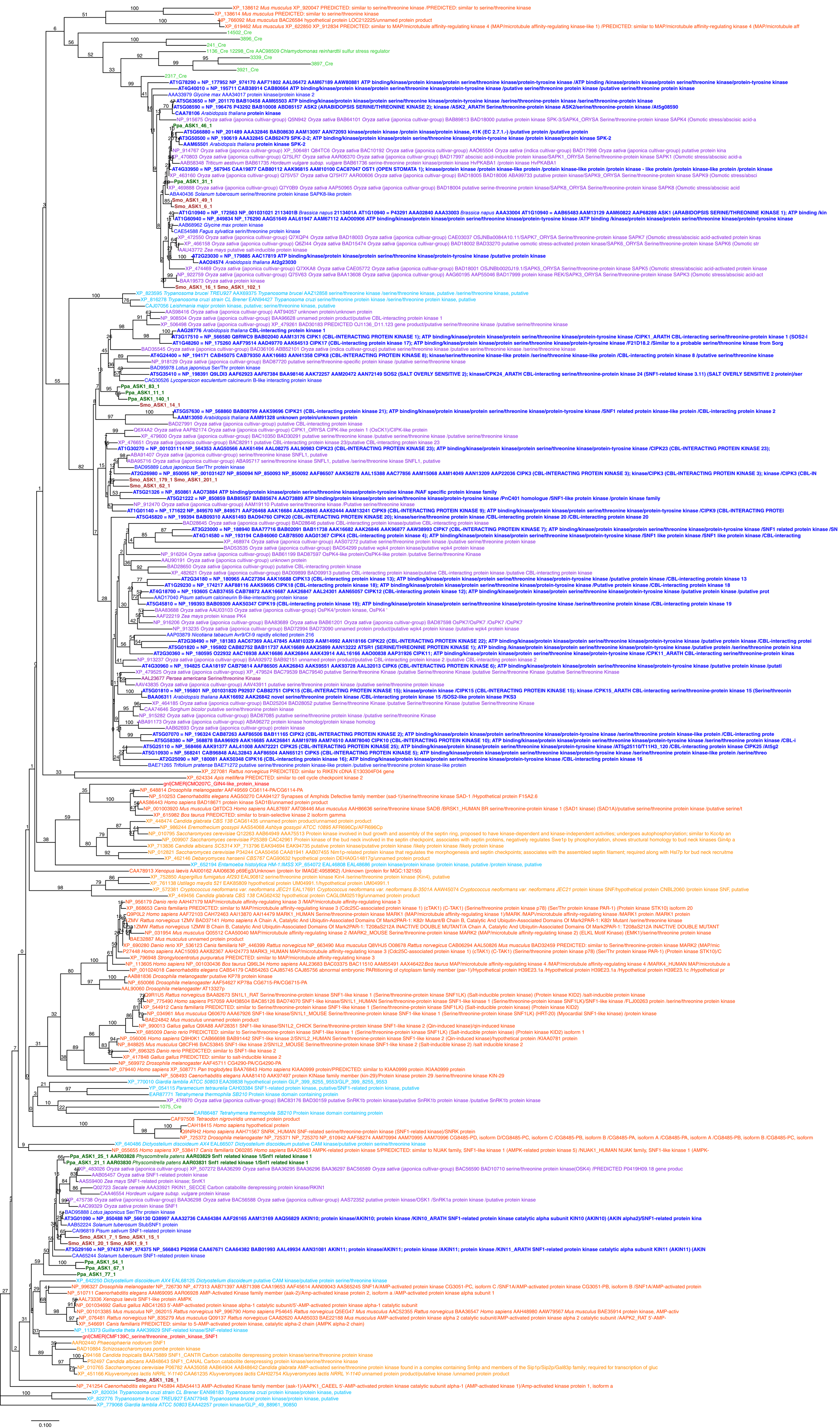
ASK1 (AT1G10940): partial tree
File name: ASK1.pt3.svg
99 aa residues 226 OTU included.
Partial tree including XP_479525 Oryza sativa, 3896_Cre
Assemble Job Id: i3bINB
Tree job id: b1hvWB
BP values out of 100
Analyzed by aono@nibb.ac.jp
Date: Thu Jun 15 15:06:13 JST 2006


XP_138612 Mus musculus XP_920047 PREDICTED: similar to serine/threonine kinase /PREDICTED: similar to serine/threonine kinase
XP_138614 Mus musculus PREDICTED: similar to serine/threonine kinase
NP_766092 Mus musculus BAC26584 hypothetical protein LOC212225/unnamed protein product
XP_619462 Mus musculus XP_622850 XP_912834 PREDICTED: similar to MAP/microtubule affinity-regulating kinase 4 (MAP/microtubule affinity-regulating kinase-like 1) /PREDICTED: similar to MAP/microtubule affinity-regulating kinase 4 (MAP/microtubule aff
14502_Cre
3896_Cre
241_Cre
1136_Cre 12298_Cre AAC98509 Chlamydomonas reinhardtii sulfur stress regulator
3339_Cre
3897_Cre
3921_Cre
2317_Cre
AT1G78290 = NP_177952 NP_974170 AAF71802 AAL06472 AAM67189 AAW80881 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase
AT4G40010 = NP_195711 CAB38914 CAB80664 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative serine/threonine protein kinase /putative serine/threonine protein kinase
AAA33979 Glycine max AAA34017 protein kinase/protein kinase 2
AT5G63650 = NP_201170 BAB10458 AAM65503 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine-protein kinase /serine/threonine-protein kinase
AT5G08590 = NP_196476 P43292 BAB10008 ABD85157 ASK2 (ARABIDOPSIS SERINE/THREONINE KINASE 2); kinase /ASK2_ARATH Serine/threonine-protein kinase ASK2/serine/threonine-protein kinase /At5g08590
CAA78106 Arabidopsis thaliana protein kinase
NP_915675 Oryza sativa (japonica cultivar-group) Q5N942 Oryza sativa BAB64101 Oryza sativa (japonica cultivar-group) BAB89813 BAD18000 putative protein kinase SPK-3/SAPK4_ORYSA Serine/threonine-protein kinase SAPK4 (Osmotic stress/abscisic acid-a
Ppa_ASK1_46_1
AT5G66880 = NP_201489 AAA32846 BAB08630 AAM13097 AAN72093 kinase/protein kinase /protein kinase/protein kinase, 41K (EC 2.7.1.-) /putative protein /putative protein
AT3G50500 = NP_190619 AAA32845 CAB62479 SPK-2-2; ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /protein kinase/protein kinase SPK-2
AAM65501 Arabidopsis thaliana protein kinase SPK-2
NP_914767 Oryza sativa (japonica cultivar-group) XP_506481 Q84TC6 Oryza sativa BAC10192 Oryza sativa (japonica cultivar-group) AAO65504 Oryza sativa (indica cultivar-group) BAD17998 Oryza sativa (japonica cultivar-group) putative protein kina
XP_470803 Oryza sativa (japonica cultivar-group) Q75LR7 Oryza sativa AAR06370 Oryza sativa (japonica cultivar-group) BAD17997 abscisic acid-inducible protein kinase/SAPK1_ORYSA Serine/threonine-protein kinase SAPK1 (Osmotic stress/abscisic acid-a
AAB58348 Triticum aestivum BAB61735 Hordeum vulgare subsp. vulgare BAB61736 serine-threonine protein kinase/protein kinase HvPKABA1 /protein kinase HvPKABA1
AT4G33950 = NP_567945 CAA19877 CAB80112 AAK96815 AAM10100 CAC87047 OST1 (OPEN STOMATA 1); kinase/protein kinase /protein kinase-like protein /protein kinase - like protein /protein kinase-like protein /protein kinase
XP_463160 Oryza sativa (japonica cultivar-group) Q75V57 Oryza sativa Q75H77 AAR00606 Oryza sativa (japonica cultivar-group) BAD18005 BAD18006 ABA99733 putative protein kinase/SAPK9_ORYSA Serine/threonine-protein kinase SAPK9 (Osmotic stress/absci
Ppa_ASK1_31_1
XP_469888 Oryza sativa (japonica cultivar-group) Q7Y0B9 Oryza sativa AAP50965 Oryza sativa (japonica cultivar-group) BAD18004 putative serine-threonine protein kinase/SAPK8_ORYSA Serine/threonine-protein kinase SAPK8 (Osmotic stress/abscisic acid
ABA40436 Solanum tuberosum serine/threonine protein kinase SAPK8-like protein
Smo_ASK1_49_1
Smo_ASK1_6_1
AT1G10940 = NP_172563 NP_001031021 2113401B Brassica napus 2113401A AT1G10940 = P43291 AAA02840 AAA33003 Brassica napus AAA33004 AT1G10940 = AAB65483 AAM13129 AAM60822 AAP68289 ASK1 (ARABIDOPSIS SERINE/THREONINE KINASE 1); ATP binding /kin
AT1G60940 = NP_849834 NP_176290 AAG51649 AAL61947 AAM67112 AAO00906 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase
AAB68962 Glycine max protein kinase
CAE54588 Fagus sylvatica serin/threonine protein kinase
XP_472550 Oryza sativa (japonica cultivar-group) Q7XQP4 Oryza sativa BAD18003 Oryza sativa (japonica cultivar-group) CAE03037 OSJNBa0084A10.11/SAPK7_ORYSA Serine/threonine-protein kinase SAPK7 (Osmotic stress/abscisic acid-activated protein kinas
XP_466158 Oryza sativa (japonica cultivar-group) Q6ZI44 Oryza sativa BAD15474 Oryza sativa (japonica cultivar-group) BAD18002 BAD33270 putative osmotic stress-activated protein kinase/SAPK6_ORYSA Serine/threonine-protein kinase SAPK6 (Osmotic str
AAU43772 Zea mays putative salt-inducible protein kinase
AT2G23030 = NP_179885 AAC17819 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase
AAO24574 Arabidopsis thaliana At2g23030
XP_474469 Oryza sativa (japonica cultivar-group) Q7XKA8 Oryza sativa CAE05772 Oryza sativa (japonica cultivar-group) BAD18001 OSJNBb0020J19.1/SAPK5_ORYSA Serine/threonine-protein kinase SAPK5 (Osmotic stress/abscisic acid-activated protein kinase
NP_922759 Oryza sativa (japonica cultivar-group) Q75V63 Oryza sativa BAA13608 Oryza sativa (japonica cultivar-group) AAG60195 AAP55046 BAD17999 protein kinase REK/SAPK3_ORYSA Serine/threonine-protein kinase SAPK3 (Osmotic stress/abscisic acid-act
BAA19573 Oryza sativa protein kinase
Smo_ASK1_16_1 Smo_ASK1_102_1
XP_823595 Trypanosoma brucei TREU927 AAX69375 Trypanosoma brucei AAZ12858 serine/threonine kinase /serine/threonine kinase, putative /serine/threonine kinase, putative
XP_816278 Trypanosoma cruzi strain CL Brener EAN94427 Trypanosoma cruzi serine/threonine protein kinase /serine/threonine protein kinase, putative
CAJ07056 Leishmania major protein kinase, putative; serine/threonine kinase, putative
AAS98416 Oryza sativa (japonica cultivar-group) AAT94057 unknown protein/unknown protein
NP_908504 Oryza sativa (japonica cultivar-group) BAA96628 unnamed protein product/putative CBL-interacting protein kinase 1
XP_506498 Oryza sativa (japonica cultivar-group) XP_479261 BAD30183 PREDICTED OJ1136_D11.123 gene product/putative serine/threonine kinase /putative serine/threonine kinase
AAG28776 Arabidopsis thaliana CBL-interacting protein kinase 1
AT3G17510 = NP_566580 Q8RWC9 BAB02040 AAM13176 CIPK1 (CBL-INTERACTING PROTEIN KINASE 1); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK1_ARATH CBL-interacting serine/threonine-protein kinase 1 (SOS2-l
AT1G48260 = NP_175260 AAF79514 AAD49770 AAK64513 CIPK17 (CBL-interacting protein kinase 17); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /F21D18.2 /Similar to a probable serine/threonine kinase from Sorg
BAD35545 Oryza sativa (japonica cultivar-group) BAD36106 ABB52101 Oryza sativa (indica cultivar-group) putative serine/threonine kinase /putative serine/threonine kinase /serine/threonine kinase
AT4G24400 = NP_194171 CAB45075 CAB79350 AAK16683 AAN41358 CIPK8 (CBL-INTERACTING PROTEIN KINASE 8); kinase/serine/threonine kinase-like protein /serine/threonine kinase-like protein /CBL-interacting protein kinase 8 /putative serine/threonine kinase
NP_918129 Oryza sativa (japonica cultivar-group) BAD87720 putative serine/threonine-specific protein kinase /putative serine/threonine kinase
BAD95978 Lotus japonicus Ser/Thr protein kinase
AT5G35410 = NP_198391 Q9LDI3 AAF62923 AAF67384 BAA98146 AAK72257 AAM20472 AAN72149 SOS2 (SALT OVERLY SENSITIVE 2); kinase/CPK24_ARATH CBL-interacting serine/threonine-protein kinase 24 (SNF1-related kinase 3.11) (SALT OVERLY SENSITIVE 2 protein)/ser
CAG30526 Lycopersicon esculentum calcineurin B-like interacting protein kinase
Ppa_ASK1_83_1
Ppa_ASK1_11_1
Ppa_ASK1_140_1
Smo_ASK1_14_1
AT5G57630 = NP_568860 BAB08799 AAK59696 CIPK21 (CBL-interacting protein kinase 21); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /SNF1 related protein kinase-like protein /CBL-interacting protein kinase 2
AAM13050 Arabidopsis thaliana AAM91328 unknown protein/unknown protein
BAD27991 Oryza sativa (japonica cultivar-group) putative CBL-interacting protein kinase
Q6X4A2 Oryza sativa AAP82174 Oryza sativa (japonica cultivar-group) CIPK1_ORYSA CIPK-like protein 1 (OsCK1)/CIPK-like protein
XP_479600 Oryza sativa (japonica cultivar-group) BAC10350 BAD30291 putative serine/threonine kinase /putative serine/threonine kinase
XP_476651 Oryza sativa (japonica cultivar-group) BAC82911 putative CBL-interacting protein kinase 23/putative CBL-interacting protein kinase 23
AT1G30270 = NP_001031114 NP_564353 AAG50566 AAK61494 AAL08275 AAL90983 CIPK23 (CBL-INTERACTING PROTEIN KINASE 23); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK23 (CBL-INTERACTING PROTEIN KINASE 23);
ABA91407 Oryza sativa (japonica cultivar-group) serine/threonine kinase SNFL1, putative
ABA95716 Oryza sativa (japonica cultivar-group) ABA95717 serine/threonine kinase SNFL1, putative /serine/threonine kinase SNFL1, putative
BAD95889 Lotus japonicus Ser/Thr protein kinase
AT2G26980 = NP_850095 NP_001031427 NP_850094 NP_850093 NP_850092 AAF86507 AAK56278 AAL15388 AAC77856 AAM15068 AAM14049 AAN13209 AAP22036 CIPK3 (CBL-INTERACTING PROTEIN KINASE 3); kinase/CIPK3 (CBL-INTERACTING PROTEIN KINASE 3); kinase /CIPK3 (CBL-IN
Smo_ASK1_179_1 Smo_ASK1_201_1
Smo_ASK1_62_1
AT5G21326 = NP_850861 AAO73884 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /NAF specific protein kinase family
AT5G21222 = NP_850859 BAB85657 BAB85674 AAO73889 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /PnC401 homologue /SNF1-like protein kinase /protein kinase family
NP_912470 Oryza sativa (japonica cultivar-group) AAM19110 Putative serine/threonine kinase /Putative serine/threonine kinase
AT1G01140 = NP_171622 NP_849570 NP_849571 AAF26468 AAK16684 AAK26845 AAK62444 AAM13241 CIPK9 (CBL-INTERACTING PROTEIN KINASE 9); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK9 (CBL-INTERACTING PROTEI
AT5G45820 = NP_199394 BAB09310 AAK61493 BAD94760 CIPK20 (CBL-INTERACTING PROTEIN KINASE 20); kinase/serine/threonine protein kinase /CBL-interacting protein kinase 20 /CBL-interacting protein kinase 20
BAD28645 Oryza sativa (japonica cultivar-group) BAD28646 putative CBL-interacting protein kinase/putative CBL-interacting protein kinase
AT3G23000 = NP_188940 BAA77716 BAB02091 BAB11738 AAK16682 AAK26846 AAK96877 AAW38993 CIPK7 (CBL-INTERACTING PROTEIN KINASE 7); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /SNF1 related protein kinase /SN
AT4G14580 = NP_193194 CAB46060 CAB78500 AAG01367 CIPK4 (CBL-interacting protein kinase 4); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /SNF1 like protein kinase /SNF1 like protein kinase /CBL-interacting
XP_468974 Oryza sativa (japonica cultivar-group) AAS07272 putative serine/threonine protein kinase /putative serine/threonine protein kinase
BAD53535 Oryza sativa (japonica cultivar-group) BAD54299 putative wpk4 protein kinase/putative wpk4 protein kinase
NP_916204 Oryza sativa (japonica cultivar-group) BAB61199 BAD87597 OsPK4-like protein/OsPK4-like protein /putative Serine/threonine Kinase
AAU90191 Oryza sativa (japonica cultivar-group) unknown protein
BAD28650 Oryza sativa (japonica cultivar-group) putative CBL-interacting protein kinase
XP_482621 Oryza sativa (japonica cultivar-group) BAD09899 BAD09913 putative CBL-interacting protein kinase/putative CBL-interacting protein kinase /putative CBL-interacting protein kinase
AT2G34180 = NP_180965 AAC27394 AAK16688 CIPK13 (CBL-interacting protein kinase 13); ATP binding/kinase/protein kinase/protein serine/threonine kinase /putative protein kinase /CBL-interacting protein kinase 13
AT1G29230 = NP_174217 AAF88116 AAK59695 CIPK18 (CBL-interacting protein kinase 18); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /Putative protein kinase /CBL-interacting protein kinase 18
AT4G18700 = NP_193605 CAB37455 CAB78872 AAK16687 AAK26847 AAL24301 AAN65057 CIPK12 (CBL-interacting protein kinase 12); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putative prot
AAO17040 Pisum sativum calcineurin B-like-interacting protein kinase
AT5G45810 = NP_199393 BAB09309 AAK50347 CIPK19 (CBL-interacting protein kinase 19); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase /CBL-interacting protein kinase 19
BAA83688 Oryza sativa AAU03103 Oryza sativa (japonica cultivar-group) OsPK4/'protein kinase, OsPK4 '
AAF22219 Zea mays protein kinase PK4
NP_916206 Oryza sativa (japonica cultivar-group) BAA83689 Oryza sativa BAB61201 Oryza sativa (japonica cultivar-group) BAD87598 OsPK7/OsPK7 /OsPK7 /OsPK7
NP_913235 Oryza sativa (japonica cultivar-group) BAD72994 BAD73090 unnamed protein product/putative wpk4 protein kinase /putative wpk4 protein kinase
AAP03879 Nicotiana tabacum Avr9/Cf-9 rapidly elicited protein 216
AT2G38490 = NP_181383 AAC67369 AAL47845 AAM10329 AAM14992 AAN18166 CIPK22 (CBL-INTERACTING PROTEIN KINASE 22); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /CBL-interacting protei
AT5G01820 = NP_195802 CAB82752 BAB11737 AAK16689 AAK25899 AAN13222 ATSR1 (SERINE/THREONINE PROTEIN KINASE 1); ATP binding /kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein /serine/threonine protein kina
AT2G30360 = NP_180595 O22932 AAC16938 AAK16686 AAK26844 AAK43914 AAL16166 AAO00838 AAP31926 CIPK11; ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CPK11_ARATH CBL-interacting serine/threonine-protein kinas
NP_913237 Oryza sativa (japonica cultivar-group) BAA92972 BAB92151 unnamed protein product/putative CBL-interacting protein kinase 2 /putative CBL-interacting protein kinase 2
AT4G30960 = NP_194825 CAA18197 CAB79814 AAF86505 AAK26843 AAK59551 AAK93728 AAL32013 CIPK6 (CBL-INTERACTING PROTEIN KINASE 6); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putati
XP_479525 Oryza sativa (japonica cultivar-group) XP_479524 BAC79539 BAC79540 putative Serine/threonine Kinase /putative Serine/threonine Kinase /putative Serine/threonine Kinase /putative Serine/threonine Kinase
AAL23677 Persea americana Serine/threonine Kinase
AAV43835 Oryza sativa (japonica cultivar-group) AAV43911 putative serine/threonine protein kinase /putative serine/threonine protein kinase
AT5G01810 = NP_195801 NP_001031820 P92937 CAB82751 CIPK15 (CBL-INTERACTING PROTEIN KINASE 15); kinase/protein kinase /CIPK15 (CBL-INTERACTING PROTEIN KINASE 15); kinase /CPK15_ARATH CBL-interacting serine/threonine-protein kinase 15 (Serine/threonin
BAA06311 Arabidopsis thaliana AAK16692 AAK26842 novel serine/threonine protein kinase /CBL-interacting protein kinase 15 /SOS2-like protein kinase PKS3
XP_464185 Oryza sativa (japonica cultivar-group) BAD25204 BAD28052 putative Serine/threonine Kinase /putative Serine/threonine Kinase /putative Serine/threonine Kinase
CAA74646 Sorghum bicolor putative serine/threonine protein kinase
NP_915282 Oryza sativa (japonica cultivar-group) BAD87085 putative serine/threonine protein kinase /putative serine/threonine Kinase
ABA91173 Oryza sativa (japonica cultivar-group) ABA96272 protein kinase homolog/protein kinase homolog
AAB62693 Oryza sativa (japonica cultivar-group) protein kinase
AT5G07070 = NP_196324 CAB87263 AAF86506 BAB11165 CIPK2 (CBL-INTERACTING PROTEIN KINASE 2); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase-like protein /CBL-interacting prote
AT5G58380 = NP_568878 BAA96929 AAK16685 AAK26841 AAM19789 AAM74510 AAM78040 CIPK10 (CBL-INTERACTING PROTEIN KINASE 10); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase /CBL-i
AT5G25110 = NP_568466 AAK91377 AAL41008 AAN72221 CIPK25 (CBL-INTERACTING PROTEIN KINASE 25); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /AT5g25110/T11H3_120 /CBL-interacting protein kinase CIPK25 /At5g2
AT5G10930 = NP_568241 CAB96848 AAL32843 AAF86504 AAN65121 CIPK5 (CBL-INTERACTING PROTEIN KINASE 5); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase-like protein /serine/threo
AT2G25090 = NP_180081 AAK50348 CIPK16 (CBL-interacting protein kinase 16); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CBL-interacting protein kinase 16
BAE71265 Trifolium pratense BAE71272 putative serine/threonine protein kinase-like protein /putative serine/threonine protein kinase-like protein
XP_227081 Rattus norvegicus PREDICTED: similar to RIKEN cDNA E130304F04 gene
XP_624334 Apis mellifera PREDICTED: similar to cell cycle checkpoint kinase 2
gnl|CMER|CMO207C_GIN4-like_protein_kinase
NP_648814 Drosophila melanogaster AAF49569 CG6114-PA/CG6114-PA
NP_510253 Caenorhabditis elegans AAG50270 CAA94127 Synapses of Amphids Defective family member (sad-1)/serine/threonine kinase SAD-1 /Hypothetical protein F15A2.6
AAS86443 Homo sapiens BAD18671 protein kinase SAD1B/unnamed protein product
NP_001003920 Mus musculus Q8TDC3 Homo sapiens AAL87697 AAT08446 Mus musculus AAH86636 serine/threonine kinase SADB /BRSK1_HUMAN BR serine/threonine-protein kinase 1 (SAD1 kinase) (SAD1A)/putative serine/threonine protein kinase /putative serine/t
XP_615982 Bos taurus PREDICTED: similar to brain-selective kinase 2 isoform gamma
XP_448474 Candida glabrata CBS 138 CAG61435 unnamed protein product/unnamed protein product
NP_986244 Eremothecium gossypii AAS54068 Ashbya gossypii ATCC 10895 AFR696Cp/AFR696Cp
NP_010795 Saccharomyces cerevisiae Q12263 AAB64949 AAA75513 Protein kinase involved in bud growth and assembly of the septin ring, proposed to have kinase-dependent and kinase-independent activities; undergoes autophosphorylation; similar to Kcc4p an
NP_009907 Saccharomyces cerevisiae P25389 CAC42961 Protein kinase of the bud neck involved in the septin checkpoint, associates with septin proteins, negatively regulates Swe1p by phosphorylation, shows structural homology to bud neck kinases Gin4p a
XP_713836 Candida albicans SC5314 XP_713796 EAK94694 EAK94735 putative protein kinase/putative protein kinase /likely protein kinase /likely protein kinase
NP_012821 Saccharomyces cerevisiae P34244 CAA50456 CAA81941 AAB07455 Nim1p-related protein kinase that regulates the morphogenesis and septin checkpoints; associates with the assembled septin filament; required along with Hsl7p for bud neck recruitme
XP_462146 Debaryomyces hansenii CBS767 CAG90632 hypothetical protein DEHA0G14817g/unnamed protein product
XP_652194 Entamoeba histolytica HM-1:IMSS XP_654072 EAL46808 EAL48686 protein kinase/protein kinase /protein kinase, putative /protein kinase, putative
CAA78913 Xenopus laevis AAI00162 AAI06636 p69Eg3/Unknown (protein for IMAGE:4958962) /Unknown (protein for MGC:132150)
XP_752850 Aspergillus fumigatus Af293 EAL90812 serine/threonine protein kinase Kin4 /serine/threonine protein kinase (Kin4), putative
XP_761138 Ustilago maydis 521 EAK85809 hypothetical protein UM04991.1/hypothetical protein UM04991.1
XP_572381 Cryptococcus neoformans var. neoformans JEC21 EAL17691 Cryptococcus neoformans var. neoformans B-3501A AAW45074 Cryptococcus neoformans var. neoformans JEC21 protein kinase SNF/hypothetical protein CNBL2060 /protein kinase SNF, putative
XP_449456 Candida glabrata CBS 138 CAG62432 hypothetical protein CAGL0M02519g/unnamed protein product
NP_956179 Danio rerio AAH47179 MAP/microtubule affinity-regulating kinase 3 /MAP/microtubule affinity-regulating kinase 3
XP_868653 Canis familiaris PREDICTED: similar to MAP/microtubule affinity-regulating kinase 3 (Cdc25C-associated protein kinase 1) (cTAK1) (C-TAK1) (Serine/threonine protein kinase p78) (Ser/Thr protein kinase PAR-1) (Protein kinase STK10) isoform 20
Q9P0L2 Homo sapiens AAF72103 CAH72463 AAI13870 AAI14479 MARK1_HUMAN Serine/threonine-protein kinase MARK1 (MAP/microtubule affinity-regulating kinase 1)/MARK /MAPVmicrotubule affinity-regulating kinase /MARK1 protein /MARK1 protein
1ZMV Rattus norvegicus 1ZMV BAD37141 Homo sapiens A Chain A, Catalytic And Ubiqutin-Associated Domains Of Mark2PAR-1: K82r Mutant/B Chain B, Catalytic And Ubiqutin-Associated Domains Of Mark2PAR-1: K82r Mutant /serine/threonine kinase
1ZMW Rattus norvegicus 1ZMW B Chain B, Catalytic And Ubiqutin-Associated Domains Of Mark2PAR-1: T208aS212A INACTIVE DOUBLE MUTANT/A Chain A, Catalytic And Ubiqutin-Associated Domains Of Mark2PAR-1: T208aS212A INACTIVE DOUBLE MUTANT
NP_031954 Mus musculus Q05512 CAA50040 MAP/microtubule affinity-regulating kinase 2 /MARK2_MOUSE Serine/threonine-protein kinase MARK2 (MAP/microtubule affinity-regulating kinase 2) (ELKL Motif Kinase) (EMK1)/serine/threonine protein kinase
BAE32887 Mus musculus unnamed protein product
XP_690280 Danio rerio XP_536123 Canis familiaris NP_446399 Rattus norvegicus NP_663490 Mus musculus Q8VHJ5 O08678 Rattus norvegicus CAB06294 AAL50826 Mus musculus BAD32459 PREDICTED: similar to Serine/threonine-protein kinase MARK2 (MAP/mic
P27448 Homo sapiens AAC15093 AAK82367 AAH24773 MARK3_HUMAN MAP/microtubule affinity-regulating kinase 3 (Cdc25C-associated protein kinase 1) (cTAK1) (C-TAK1) (Serine/threonine protein kinase p78) (Ser/Thr protein kinase PAR-1) (Protein kinase STK10)/C
XP_796948 Strongylocentrotus purpuratus PREDICTED: similar to MAP/microtubule affinity-regulating kinase 3
NP_113605 Homo sapiens NP_001030436 Bos taurus Q96L34 Homo sapiens AAL23683 BAC03375 BAC11510 AAM55491 AAX46422 Bos taurus MAP/microtubule affinity-regulating kinase 4 /MAP/microtubule affinity-regulating kinase 4 /MARK4_HUMAN MAP/microtubule a
NP_001024018 Caenorhabditis elegans CAB54179 CAB54263 CAJ85745 CAJ85756 abnormal embryonic PARtitioning of cytoplasm family member (par-1)/Hypothetical protein H39E23.1a /Hypothetical protein H39E23.1a /Hypothetical protein H39E23.1c /Hypothetical pr
AAB81836 Drosophila melanogaster putative KP78 protein kinase
NP_650066 Drosophila melanogaster AAF54627 KP78a CG6715-PA/CG6715-PA
AAL90060 Drosophila melanogaster AT13327p
Q9R1U5 Rattus norvegicus BAA82673 SN1L1_RAT Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (Salt-inducible protein kinase) (Protein kinase KID2) /salt-inducible protein kinase
NP_775490 Homo sapiens P57059 AAH38504 BAC85126 BAD74070 SNF1-like kinase/SN1L1_HUMAN Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK)/SNF1-like kinase /FLJ00263 protein /serine/threonine protein kinase
XP_544912 Canis familiaris PREDICTED: similar to Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (Salt-inducible protein kinase) (Protein kinase KID2)
NP_034961 Mus musculus Q60670 AAA67926 SNF1-like kinase/SN1L1_MOUSE Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (HRT-20) (Myocardial SNF1-like kinase) /protein kinase
BAE24842 Mus musculus unnamed protein product
NP_990013 Gallus gallus Q9IA88 AAF28351 SNF1-like kinase/SN1L2_CHICK Serine/threonine-protein kinase SNF1-like kinase 2 (Qin-induced kinase)/qin-induced kinase
XP_685009 Danio rerio PREDICTED: similar to Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (Salt-inducible protein kinase) (Protein kinase KID2) isoform 1
NP_056006 Homo sapiens Q9H0K1 CAB66698 BAB91442 SNF1-like kinase 2/SN1L2_HUMAN Serine/threonine-protein kinase SNF1-like kinase 2 (Qin-induced kinase)/hypothetical protein /KIAA0781 protein
NP_848825 Mus musculus Q8CFH6 BAC53845 SNF1-like kinase 2/SN1L2_MOUSE Serine/threonine-protein kinase SNF1-like kinase 2 (Salt-inducible kinase 2) /salt inducible kinase 2
XP_696325 Danio rerio PREDICTED: similar to SNF1-like kinase 2
XP_417848 Gallus gallus PREDICTED: similar to salt-inducible kinase 2
NP_569972 Drosophila melanogaster AAF45711 CG4290-PA/CG4290-PA
NP_079440 Homo sapiens XP_508771 Pan troglodytes BAA76843 Homo sapiens KIAA0999 protein/PREDICTED: similar to KIAA0999 protein /KIAA0999 protein
NP_508493 Caenorhabditis elegans AAA81410 AAK97497 protein KINase family member (kin-29)/Protein kinase protein 29 /serine/threonine kinase KIN-29
XP_770010 Giardia lamblia ATCC 50803 EAA39838 hypothetical protein GLP_399_8255_9553/GLP_399_8255_9553
YP_054115 Paramecium tetraurelia CAH03384 SNF1-related protein kinase, putative/SNF1-related protein kinase, putative
EAR87771 Tetrahymena thermophila SB210 Protein kinase domain containing protein
XP_476970 Oryza sativa (japonica cultivar-group) BAC83176 BAD30159 putative SnRK1b protein kinase/putative SnRK1b protein kinase /putative SnRK1b protein kinase
1075_Cre
EAR86487 Tetrahymena thermophila SB210 Protein kinase domain containing protein
CAF97508 Tetraodon nigroviridis unnamed protein product
CAH18415 Homo sapiens hypothetical protein
Q9NRH2 Homo sapiens AAH71567 SNRK_HUMAN SNF-related serine/threonine-protein kinase (SNF1-related kinase)/SNRK protein
NP_725372 Drosophila melanogaster NP_725371 NP_725370 NP_610942 AAF58274 AAM70994 AAM70995 AAM70996 CG8485-PD, isoform D/CG8485-PC, isoform C /CG8485-PB, isoform B /CG8485-PA, isoform A /CG8485-PA, isoform A /CG8485-PB, isoform B /CG8485-PC, isoform
XP_640486 Dictyostelium discoideum AX4 EAL66507 Dictyostelium discoideum putative CAM kinase/putative protein serine/threonine kinase
NP_055655 Homo sapiens XP_538417 Canis familiaris O60285 Homo sapiens BAA25463 AMPK-related protein kinase 5/PREDICTED: similar to NUAK family, SNF1-like kinase 1 (AMPK-related protein kinase 5) /NUAK1_HUMAN NUAK family, SNF1-like kinase 1 (AMPK-
Ppa_ASK1_25_1 AAR03828 Physcomitrella patens AAR03829 Snf1 related kinase 1/Snf1 related kinase 1
Ppa_ASK1_21_1 AAR03830 Physcomitrella patens AAR03831 Snf1 related kinase 1/Snf1 related kinase 1
XP_483026 Oryza sativa (japonica cultivar-group) XP_507272 BAA36299 Oryza sativa BAA36295 BAA36296 BAA36297 BAC56589 Oryza sativa (japonica cultivar-group) BAC56590 BAD10710 serine/threonine protein kinase(OSK4) /PREDICTED P0419H09.18 gene produc
AAB05457 Oryza sativa SNF1-related protein kinase
AAS59400 Zea mays SNF1-related protein kinase; SnrK1
Q02723 Secale cereale AAA33921 RKIN1_SECCE Carbon catabolite derepressing protein kinase/RKIN1
CAA46554 Hordeum vulgare subsp. vulgare protein kinase
XP_475738 Oryza sativa (japonica cultivar-group) BAA36298 Oryza sativa BAC56588 Oryza sativa (japonica cultivar-group) AAS72352 putative protein kinase/OSK1 /SnRK1a protein kinase /putative protein kinase
AAC99329 Oryza sativa protein kinase SNF1
BAD95888 Lotus japonicus Ser/Thr protein kinase
AT3G01090 = NP_850488 NP_566130 Q38997 AAA32736 CAA64384 AAF26165 AAM13169 AAQ56829 AKIN10; protein kinase/AKIN10; protein kinase /KIN10_ARATH SNF1-related protein kinase catalytic alpha subunit KIN10 (AKIN10) (AKIN alpha2)/SNF1-related protein kina
AAB52224 Solanum tuberosum StubSNF1 protein
CAI96819 Pisum sativum SNF1-related protein kinase
Smo_ASK1_7_1 Smo_ASK1_15_1
Smo_ASK1_20_1 Smo_ASK1_9_1
AT3G29160 = NP_974374 NP_974375 NP_566843 P92958 CAA67671 CAA64382 BAB01993 AAL49934 AAN31081 AKIN11; protein kinase/AKIN11; protein kinase /AKIN11; protein kinase /KIN11_ARATH SNF1-related protein kinase catalytic alpha subunit KIN11 (AKIN11) (AKIN
CAA65244 Solanum tuberosum SNF1-related protein kinase
Ppa_ASK1_54_1
Ppa_ASK1_67_1
Ppa_ASK1_77_1
XP_642250 Dictyostelium discoideum AX4 EAL68125 Dictyostelium discoideum putative CAM kinase/putative protein serine/threonine kinase
NP_996327 Drosophila melanogaster NP_726730 NP_477313 AAB71397 AAB71398 CAA19653 AAF45614 AAN09043 AAS65245 SNF1A/AMP-activated protein kinase CG3051-PC, isoform C /SNF1A/AMP-activated protein kinase CG3051-PB, isoform B /SNF1A/AMP-activated protein
NP_510711 Caenorhabditis elegans AAM69095 AAR06928 AMP-Activated Kinase family member (aak-2)/Amp-activated kinase protein 2, isoform a /AMP-activated protein kinase alpha subunit 1
AAL73336 Xenopus laevis SNF1-like protein AMPK
NP_001034692 Gallus gallus ABC41263 5'-AMP-activated protein kinase alpha-1 catalytic subunit/5'-AMP-activated protein kinase alpha-1 catalytic subunit
NP_001013385 Mus musculus NP_062015 Rattus norvegicus NP_996790 Homo sapiens P54645 Rattus norvegicus Q5EG47 Mus musculus AAC52355 Rattus norvegicus BAA36547 Homo sapiens AAH48980 AAW79567 Mus musculus BAE35914 protein kinase, AMP-activ
NP_076481 Rattus norvegicus NP_835279 Mus musculus Q09137 Rattus norvegicus CAA82620 AAA85033 BAE22188 Mus musculus AMP-activated protein kinase alpha 2 catalytic subunit/AMP-activated protein kinase alpha 2 catalytic subunit /AAPK2_RAT 5'-AMP-
XP_546691 Canis familiaris PREDICTED: similar to 5-AMP-activated protein kinase, catalytic alpha-2 chain (AMPK alpha-2 chain)
NP_113373 Guillardia theta AAK39929 SNF-related kinase/SNF-related kinase
gnl|CMER|CMF139C_serine/threonine_protein_kinase_SNF1
AAR02440 Phaeosphaeria nodorum SNF1
BAD10884 Schizosaccharomyces pombe protein kinase
O94168 Candida tropicalis BAA75889 SNF1_CANTR Carbon catabolite derepressing protein kinase/serine/threonine protein kinase
P52497 Candida albicans AAB48643 SNF1_CANAL Carbon catabolite derepressing protein kinase/serine/threonine kinase
NP_010765 Saccharomyces cerevisiae P06782 AAA35058 AAB64904 AAB48642 Candida glabrata AMP-activated serine/threonine protein kinase found in a complex containing Snf4p and members of the Sip1p/Sip2p/Gal83p family; required for transcription of gluc
XP_451166 Kluyveromyces lactis NRRL Y-1140 CAA61235 Kluyveromyces lactis CAH02754 Kluy