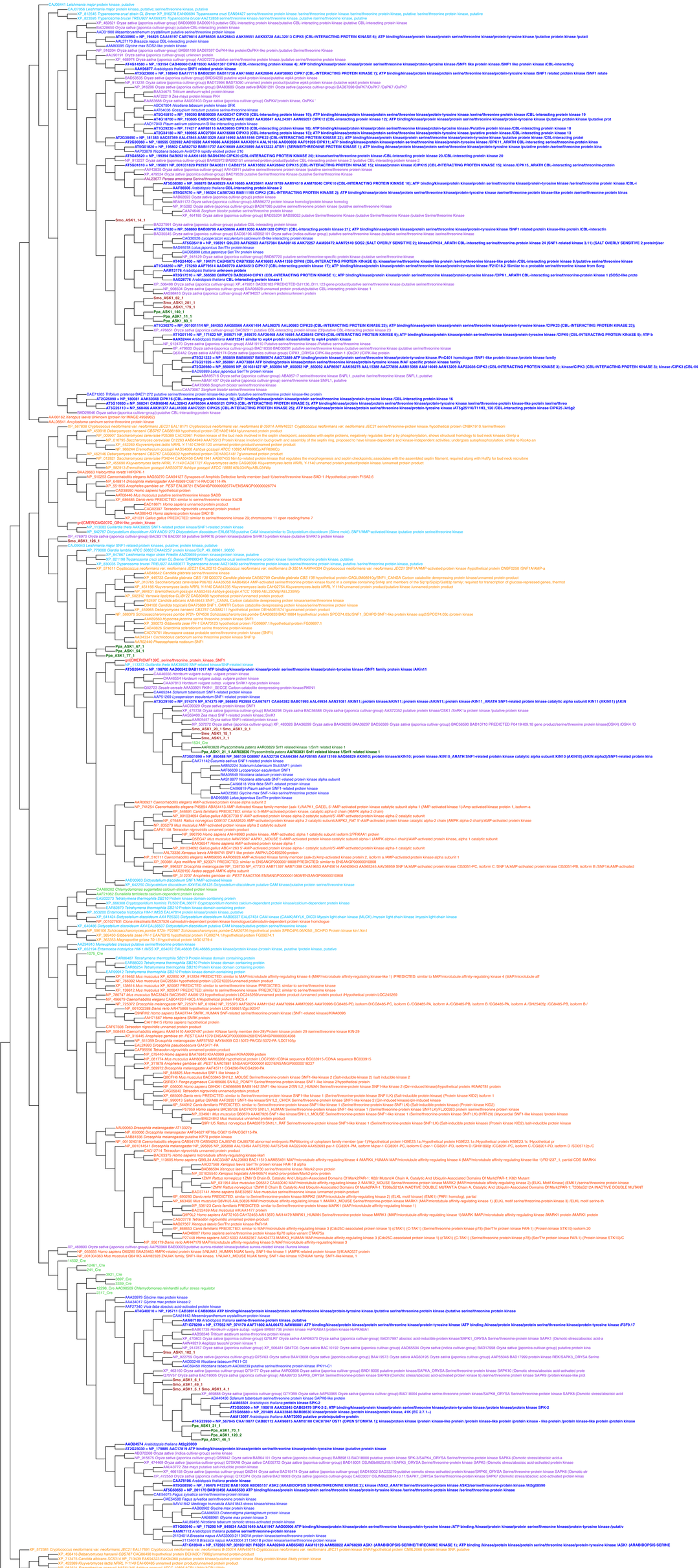
ASK1 (AT1G10940): global tree
File name: ASK1mder1.nwk
193 aa residues 350 OTU included.

Assemble Job ID: 1BFCMR
Tree job id: cIu8DX
BP values out of 100
Analyzed by www.phylo.fr/mlbo.ac.jp
Date: Thu Jun 15 12:33:36 JST 2006


CAJ06441 Leishmania major protein kinase, putative
CAJ07056 Leishmania major protein kinase, putative; serine/threonine kinase, putative
XP_812545 Trypanosoma cruzi strain CL Brener XP_818278 EAN90694 Trypanosoma cruzi EAN94427 serine/threonine protein kinase /serine/threonine protein kinase, putative /serine/threonine protein kinase, putative /serine/threonine protein kinase, putative
XP_823555 Trypanosoma brucei TREU927 AAX69375 Trypanosoma brucei AAZ12658 serine/threonine kinase /serine/threonine kinase, putative /serine/threonine kinase, putative
XP_482621 Oryza sativa (japonica cultivar-group) BAD06899 BAD06913 putative CBL-interacting protein kinase /putative CBL-interacting protein kinase
BAD26650 Oryza sativa (japonica cultivar-group) putative CBL-interacting protein kinase
AAD21900 Mesembryanthemum crystallinum putative serine/threonine protein kinase
AT4G30960 = NP_194825 CAA16197 CAB78814 AAF86505 AAK26843 AAK39551 AAK93728 AAL32013 CIPK6 (CBL-INTERACTING PROTEIN KINASE 6); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /putative protein kinase /putati
AAL37170 Brassica napus CBL-interacting protein kinase
AAM83095 Glycine max SOS2-like protein kinase
NP_918204 Oryza sativa (japonica cultivar-group) BAB61199 BAD87597 OsPK4-like protein/OsPK4-like protein /putative Serine/threonine Kinase
AAU50191 Oryza sativa (japonica cultivar-group) unknown protein
XP_468974 Oryza sativa (japonica cultivar-group) AAO37272 putative serine/threonine protein kinase /putative serine/threonine protein kinase
AT4G14580 = NP_193194 CAB46060 CAB78500 AAQ13367 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
AAX08877 Arabidopsis thaliana SNF1 related protein kinase
AT3G22000 = NP_188940 BAA77716 BAB02091 BAB11738 AAK16682 AAK26846 AAW38993 CIPK7 (CBL-INTERACTING PROTEIN KINASE 7); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /SNF1 related protein kinase /SNF1 relate
AAO35555 Oryza sativa (japonica cultivar-group) BAD54599 putative epk4 protein kinase/putative epk4 protein kinase
NP_913235 Oryza sativa (japonica cultivar-group) BAD72994 BAD73090 unnamed protein product/putative epk4 protein kinase /putative epk4 protein kinase
NP_916206 Oryza sativa (japonica cultivar-group) BAA83689 Oryza sativa BAB61201 Oryza sativa (japonica cultivar-group) BAD67598 OsPK7/OsPK7 /OsPK7 /OsPK7
BAA34675 Triticum aestivum wpk4 protein kinase
AAF22219 Zea mays protein kinase PK4
BAA83688 Oryza sativa AAU03103 Oryza sativa (japonica cultivar-group) OsPK4?protein kinase, OsPK4 '
ABC87804 Nicotiana tabacum protein kinase SRK
AAT64036 Gossypium hirsutum putative serine-threonine kinase
AT5G10930 = NP_196393 BAB03009 AAD32457 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
AT4G18700 = NP_193583 CAB70360 CAB78850 AAQ13367 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
AAC17040 Plasmodium falciparum calcineurin B-like interacting protein kinase
AT1G29230 = NP_173217 AAF88110 AAK39595 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
AT3G07040 = NP_188365 AAC27394 AAK16688 CIPK13 (CBL-interacting protein kinase 13); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CBL-interacting protein kinase 13
AT3G20410 = NP_188383 AAC67369 AAL47845 AAM10329 AAN11890 AAN11896 CIPK22 (CBL-INTERACTING PROTEIN KINASE 22); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CBL-interacting protei
AT3G22510 = NP_188956 AAD22932 AAC16938 AAK16684 AAK26844 AAK33514 AAL32013 CIPK11 (CBL-INTERACTING PROTEIN KINASE 11); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK11 ,ARATH CBL-interacting serine/threonine-protein kina
AT5G01820 = NP_195601 NP_001031920 P29297 BAA06311 CAB82751 AAK16692 AAK26842 CIPK15 (CBL-INTERACTING PROTEIN KINASE 15); kinase/kinase /kinase /CIPK15 (CBL-INTERACTING PROTEIN KINASE 15); kinase /CPK15 ,ARATH CBL-interacting serine/threonine-protein
AAV43835 Oryza sativa (japonica cultivar-group) AAV43911 putative serine/threonine protein kinase /putative serine/threonine protein kinase
AT5G54930 = NP_199393 BAB09305 AAD40247 CIPK10 (CBL-interacting protein kinase 10); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase /CBL-i
AAF86006 Arabidopsis thaliana CBL-interacting protein kinase 2
AT5G07070 = NP_196324 CAB78263 BAB11165 CIPK2 (CBL-INTERACTING PROTEIN KINASE 2); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threonine protein kinase /CBL-interacting protein kinase
AAB52833 Oryza sativa (japonica cultivar-group) protein kinase
ABA91173 Oryza sativa (japonica cultivar-group) ABA90722 protein kinase homolog/protein kinase homolog
NP_915382 Oryza sativa (japonica cultivar-group) BAD87085 putative serine/threonine protein kinase /putative serine/threonine Kinase
CAA74646 Sorghum bicolor putative serine/threonine protein kinase
XP_464185 Oryza sativa (japonica cultivar-group) BAD52524 BAD52652 putative Serine/threonine Kinase /putative Serine/threonine Kinase /putative Serine/threonine Kinase
Smo_ASK1_14_1
BAD27991 Oryza sativa (japonica cultivar-group) putative CBL-interacting protein kinase
AT5G57630 = NP_568860 BAB08799 AAN39696 AAM13050 AAM91328 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-interactin
BAC05545 Oryza sativa (japonica cultivar-group) BAD28136, ABB92191 Oryza sativa (indica cultivar-group) putative serine/threonine kinase /putative serine/threonine kinase /serine/threonine kinase
CAG30626 Lycopersicon esculentum calcineurin B-like interacting protein kinase
AT5G35410 = NP_198391 Q9LD3 AAF82023 AAF87384 BAA84146 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
BAD56978 Lotus japonicus Ser/Thr protein kinase
BAD95890 Lotus japonicus Ser/Thr protein kinase
NP_918139 Oryza sativa (japonica cultivar-group) BAD67750 putative serine/threonine-specific protein kinase /putative serine/threonine kinase
AT1G48260 = NP_176770 CAB79514 AAD49770 AAK54513 CIPK17 (CBL-interacting protein kinase 17); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CBL-interacting protei
AAM13316 Arabidopsis thaliana unknown protein
AT3G17510 = NP_566580 Q8RWC9 BAB02040 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-like prote
AAQ08776 Arabidopsis thaliana CBL-interacting protein kinase 1
NP_506498 Oryza sativa (japonica cultivar-group) XP_476861 BAD30183 PREDICTED Q1J138, Q11.123 gene product/putative serine/threonine kinase /putative serine/threonine kinase
NP_958546 Oryza sativa (japonica cultivar-group) BAA96628 unnamed protein product/putative CBL-interacting protein kinase 1
AAS89416 Oryza sativa (japonica cultivar-group) AAT94057 unknown protein/unknown protein
Smo_ASK1_63_1
Smo_ASK1_201_1
Smo_ASK1_179_1
Ppa_ASK1_140_1
Ppa_ASK1_11
Ppa_ASK1_83_1
AT3G02070 = NP_001011149 P_566353 AAG50566 AAK61494 AAL08375 AAL80983 CIPK33 (CBL-INTERACTING PROTEIN KINASE 33); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK33 (CBL-INTERACTING PROTEIN KINASE 33);
XP_476654 Oryza sativa (japonica cultivar-group) BAC83911 putative CBL-interacting protein kinase 33/putative CBL-interacting protein kinase 33
AT1G18890 = NP_171622 NP_849577 NP_849579 AAF24345 AAK16686 AAK26845 CIPK9 (CBL-INTERACTING PROTEIN KINASE 9); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CIPK9 (CBL-INTERACTING PROTEIN KINASE 9); ATP b
AAG52444 Arabidopsis thaliana AAM13241 similar to wpk4 protein kinase
NP_192470 Oryza sativa (japonica cultivar-group) AAM19115 Putative serine/threonine kinase /Putative serine/threonine Kinase
XP_479650 Oryza sativa (japonica cultivar-group) BAC10350 BAD30291 putative serine/threonine kinase /putative serine/threonine kinase
Q6XIA2 Oryza sativa AAR82319 Oryza sativa (japonica cultivar-group) CIPK1, DIRYSA CIPK-like protein 1 (OsCK1)/CIPK-like protein
AT5G01220 = NP_850859 BAB56574 BAB56575 BAB56574 AAD73889 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ProCAT homologue /SNF1-like protein kinase /protein kinase family
AT5G21120 = NP_850861 AAD73864 ATP binding/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /NAF specific protein kinase family
AT5G36960 = NP_850050 NP_850051 AAD40247 NP_850049 NP_850050 AAK56278 AAL15388 AAC77956 AAM10506 AAM14649 AAM13209 AAP22036 CIPK3 (CBL-INTERACTING PROTEIN KINASE 3); kinase/CIPK3 (CBL-INTERACTING PROTEIN KINASE 3); kinase /CIPK3 (CBL-IN
BAD95889 Lotus japonicus Ser/Thr protein kinase
ABA95716 Oryza sativa (japonica cultivar-group) ABA95711 serine/threonine kinase SNF1.1, putative /serine/threonine kinase SNF1.1, putative
ABA91407 Oryza sativa (japonica cultivar-group) serine/threonine kinase SNF1.1, putative
CAA73067 Sorghum bicolor serine/threonine kinase
BAE71265 Tribolium pratense BAE71272 putative serine/threonine protein kinase-like protein /putative serine/threonine protein kinase-like protein
AT2G25090 = NP_180081 AAK53048 CIPK16 (CBL-interacting protein kinase 16); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /CBL-interacting protein kinase 16
AT5G18910 = NP_197043 NP_197044 AAM65211 AAM65212 AAM65213 CIPK25 (CBL-INTERACTING PROTEIN KINASE 25); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /serine/threo
AT5G23110 = NP_568466 AAK91377 AAL41008 AAN77221 CIPK25 (CBL-INTERACTING PROTEIN KINASE 25); ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /ATSp25110/T11H3_120 /CBL-interacting protein kinase CIPK25 /AtSp2
BAD28646 Oryza sativa (japonica cultivar-group) putative CBL-interacting protein kinase
AAX06162 Xenopus laevis Unknown (protein for IMAGE:4958962)
AAL05641 Aquifex pyrophilus calnurum serine-threonine protein kinase
XP_567638 Cryptococcus neoformans var. neoformans JEC21 EAL18171 Cryptococcus neoformans var. neoformans B-3501A AAW45321 Cryptococcus neoformans var. neoformans JEC21 serine/threonine protein kinase /hypothetical protein CNBK1910 /strain /hypothetical
XP_459818 Debaryomyces hansenii CBS767 CAG89480 hypothetical protein DEHA0C16640g/unnamed protein product
XP_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_013795 Saccharomyces cerevisiae Q12250 AAB64940 MAP/microtubule affinity-regulating kinase 2 (EMK2) 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
XP_452269 Kluyveromyces lactis NRRL Y-1140 CAH01120 unnamed protein product/unnamed protein product
XP_386244 Ashbya gossypii AAS54094 Ashbya gossypii ATCC 10895 AE016817 AEL03490
XP_662146 Debaryomyces hansenii CBS767 CAG90632 hypothetical protein DEHA0G14817g/unnamed protein product
XP_718931 Saccharomyces cerevisiae P40344 CAA04154 CAA94154 CAA94154 AJ007455 Nim1-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_455600 Kluyveromyces lactis NRRL Y-1140 CAD87727 Kluyveromyces lactis CAG98398 Kluyveromyces lactis NRRL Y-1140 unnamed protein product/protein kinase /unnamed protein product
XP_380913 Eremothecium gossypii AAS50737 Ashbya gossypii ATCC 10895 AEL03490 AEL03490
BAA28663 Halocynthia roretzi H/PDPK-1
XP_510253 Caenorhabditis elegans AAG50270 CAA94127 Synapses of Amphids Defective family member (sad-1)/serine/threonine kinase SAD-1 /Hypothetical protein F15A2.6
NP_648414 Drosophila melanogaster AAF49569 CG6114-PA/CG6114-PA
XP_551655 Anopheles gambiae str. PEST EAL36731 ENSANGP00000026774/ENSANGP00000026774
CAD39950 Homo sapiens hypothetical protein
AAY08445 Mus musculus putative serine/threonine kinase SADB
XP_686685 Danio rerio PREDICTED: similar to serine/threonine kinase SADB
AAD15671 Homo sapiens unnamed protein product
CAG02397 Tetraodon nigroviridis unnamed protein product
AAS56443 Homo sapiens protein kinase SADB
XP_421031 Gallus gallus PREDICTED: similar to serine/threonine kinase 29; chromosome 11 open reading frame 7
gi|CMERCMD0027C_GRH4-like_protein_kinase
XP_113082 Guillardia theta AAK39655 SNF1-related protein kinase/SNF1-related protein kinase
XP_642787 Dictyostelium discoideum AAX50127 Dictyostelium discoideum EAL66768 putative CAM kinase/similar to Dictyostelium discoideum (Slime mold). SNF1/AMP-activated kinase /putative protein serine/threonine kinase
XP_476979 Oryza sativa (japonica cultivar-group) BAC83176 BAD30159 putative SnRK1b protein kinase/putative SnRK1b protein kinase /putative SnRK1b protein kinase
Smo_ASK1_126_1
CAJ06443 Leishmania major SNF1-related protein kinases, putative; protein kinase, putative
XP_779908 Giardia lamblia ATCC 50803 EAA42297 protein kinase/GLP_49_89961_90850
XP_821198 Trypanosoma cruzi strain CL Brener AAN93047 Trypanosoma cruzi serine/threonine protein kinase /serine/threonine protein kinase, putative
XP_830035 Trypanosoma brucei TREU927 AAX69077 Trypanosoma brucei AAZ10489 serine/threonine protein kinase /serine/threonine protein kinase, putative /serine/threonine protein kinase, putative
XP_571611 Cryptococcus neoformans var. neoformans JEC21 EAL21013 Cryptococcus neoformans var. neoformans B-3501A AAW45304 Cryptococcus neoformans var. neoformans JEC21 SNF1/AMP-activated protein kinase /hypothetical protein CNBF0250 /SNF1A,AMP-a
AB46642 Candida glabrata serine/threonine kinase
XP_449720 Candida glabrata CBS 138 QD0072 Candida glabrata CAG62709 Candida glabrata CBS 138 hypothetical protein CAGL0M08910g/SNF1_CANGA Carbon catabolite derepressing protein kinase/unnamed protein product
XP_001065 Saccharomyces cerevisiae P06782 AAA35008 AAB64904 AMP-activated serine/threonine protein kinase found in a complex containing Snf4p and members of the Sip1p/Sip2p/Gal83p family; required for transcription of glucose-repressed genes, thermot
XP_451166 Kluyveromyces lactis NRRL Y-1140 CAA61335 Kluyveromyces lactis CAA02754 Kluyveromyces lactis NRRL Y-1140 unnamed protein product/putative kinase /unnamed protein product
XP_984631 Eremothecium gossypii AAS52455 Ashbya gossypii ATCC 10895 AEL23090/gi|AEL23090/g
XP_503512 Yarrowia lipolytica CLB9122 CAG80498 hypothetical protein/unnamed protein product
752497 Candida albicans AAB49643 SNF1_CANAL Carbon catabolite derepressing protein kinase/serine/threonine kinase
XP_722984 Candida albicans SC5314 CAA73469 SNF1_CANTR Carbon catabolite derepressing protein kinase/serine/threonine protein kinase
XP_459965 Debaryomyces hansenii CBS767 CAG88211 hypothetical protein DEHA0E15741g/unnamed protein product
NP_596376 Schizosaccharomyces pombe 972h- O74336 Schizosaccharomyces pombe CAA20063 BAD11984 Hypothetical protein SPCC74.03c/SNF1_SCHPO SNF1-like protein kinase ssp2/SPCC74.03c /protein kinase
AAX09560 Hypocrea jecorina serine threonine protein kinase SNF1
XP_390073 Gibberella zeae PH-1 EAA70123 hypothetical protein FG05697.1/hypothetical protein FG05697.1
CAD40826 Sclerotinia sclerotiorum serine threonine protein kinase
AD20761 Neurospora crassa probable serine/threonine protein kinase (SNF1)
AAD43341 Cochliobolus carbonum serine threonine protein kinase SNF1p
AB92440 Phaeosphaeria nodorum SNF1
Ppa_ASK1_67_1
Ppa_ASK1_54_1
Ppa_ASK1_77_1
gi|CMERCGMF139C_serine/threonine_protein_kinase_SNF1
XP_113079 Guillardia theta AAK39655 SNF-related kinase/SNF-related kinase
AT5G39440 = NP_198769 AAD05542 BAB11517 ATP binding/kinase/protein kinase/protein serine/threonine kinase/protein-tyrosine kinase /SNF1 family protein kinase /AKIN11
CAA46556 Hordeum vulgare subsp. vulgare protein kinase
CAA46554 Hordeum vulgare subsp. vulgare protein kinase
CAO70813 Hordeum vulgare subsp. vulgare SnRK1-type protein kinase
CAB72073 Secale cereale AAA33921 P80361, SECCE Carbon catabolite derepressing protein kinase/P80361
CAA65244 Solanum tuberosum SNF1-related protein kinase
AAN01269 Lycopersicon esculentum SNF1-related protein kinase
AT3G29160 = NP_974374 NP_974375 NP_566843 P92958 CAA67671 CAA64382 BAB01993 AAL49934 AAN31081 AKIN11; protein kinase /AKIN11; protein kinase /KIN11 ,ARATH SNF1-related protein kinase catalytic alpha subunit KIN11 (AKIN11) (AKIN
AAC06539 Oryza sativa protein kinase SNF1
XP_475738 Oryza sativa (japonica cultivar-group) BAA36298 Oryza sativa BAC56568 Oryza sativa (japonica cultivar-group) AAS73352 putative protein kinase/OSK1 /SnRK1a protein kinase /putative protein kinase
AB59400 Zea mays SNF1-related protein kinase, SnrK1
AABD5402 Oryza sativa SNF1-related protein kinase
XP_507272 Oryza sativa (japonica cultivar-group) XP_483026 BAA36299 Oryza sativa BAA36295 BAA36297 BAC56589 Oryza sativa (japonica cultivar-group) BAC56590 BAD10710 PREDICTED P0419H09.18 gene product/serine/threonine protein kinase(OSK4) /OSK4 /O
Smo_ASK1_29_1 Smo_ASK1_9_1
Smo_ASK1_15_1
Smo_ASK1_7_1
Smo_ASK1_154_1
AAR08629 Physcomitrella patens AAR08329 Snf1 related kinase 1/Snf1 related kinase 1
Ppa_ASK1_31_1 AAR08300 Physcomitrella patens AAR08301 Snf1 related kinase 1
AT3G01090 = NP_850408 NP_566130 Q38997 AAA32736 CAAA4244 AAF26155 AAM91169 AAG56829 AKIN10; protein kinase/AKIN10; protein kinase /KIN10 ,ARATH SNF1-related protein kinase catalytic alpha subunit KIN10 (AKIN10) (AKIN alpha2)/SNF1-related protein kina
CAA77142 Cucumis sativus SNF1-related protein kinase
AAB52224 Solanum tuberosum SubSNF1 protein
AAF66539 Lycopersicon esculentum SNF1
BAA05649 Nicotiana tabacum protein kinase
AAS18877 Nicotiana attenuata SNF1-related protein kinase alpha subunit
CAA66818 Vicia faba SNF1-related protein kinase
CAD39519 Pisum sativum SNF1-related protein kinase
AAD23562 Glycine max SNF1-like serine/threonine protein kinase
BAD95888 Lotus japonicus Ser/Thr protein kinase
AAR06927 Caenorhabditis elegans AMP-activated protein kinase alpha subunit 2
NP_741254 Caenorhabditis elegans P45894 AB45413 AMP-Activated Kinase family member (aak-1)/AKINC1, CAEEL 5;-AMP-activated protein kinase catalytic subunit alpha-1 (AMP-activated kinase 1)/Amp-activated kinase protein 1, isoform a
XP_548691 Canis familaris PREDICTED: similar to 5-AMP-activated protein kinase, catalytic alpha-2 chain (AMPK alpha-2 chain)/AMP-activated protein kinase
NP_001034694 Gallus gallus ABC67730 5-AMP-activated protein kinase alpha-2 catalytic subunit/5'-AMP-activated protein kinase alpha-2 catalytic subunit
XP_576481 Rattus norvegicus Q08137 CAA82820 AMP-activated protein kinase alpha 2 catalytic subunit/AAPK2_RAT 5'-AMP-activated protein kinase catalytic alpha-2 chain (AMPK alpha-2 chain)/AMP-activated protein kinase
NP_835279 Mus musculus AMP-activated protein kinase alpha 2 catalytic subunit
CAF97108 Tetraodon nigroviridis unnamed protein product
NP_996700 Homo sapiens AAH68860 protein kinase, AMP-activated, alpha 1 catalytic subunit isoform 2/PRKAA1 protein
2GE047 Mus musculus AAH70967 AAPK1_MOUSE 5'-AMP-activated protein kinase catalytic subunit alpha-1 (AMPK alpha-1 chain)/AMP-activated protein kinase, alpha 1 catalytic subunit
BAA36547 Homo sapiens AMP-activated protein kinase alpha-1
NP_001024692 Gallus gallus ABC41063 5'-AMP-activated protein kinase alpha-1 catalytic subunit/5'-AMP-activated protein kinase alpha-1 catalytic subunit
AAL73336 Xenopus laevis AAH84741 SNF1-like protein AMPKVLOC495290 protein
XP_310711 Caenorhabditis elegans AAM09095 AAR06928 AMP-Activated Kinase family member (aak-2)/Amp-activated kinase protein 2; isoform a /AMP-activated protein kinase alpha subunit 1
NP_390081 Apis mellifera XP_623371 PREDICTED: similar to ENSANGP00000010808/PREDICTED: similar to ENSANGP00000010808
XP_396527 Drosophila melanogaster NP_726730 NP_477313 AAB71397 AAB71398 CAA19632 CAA19633 AAF45640 AAN09043 AAS65545 AAV36959 SNF1/AMP-activated protein kinase CG3051-PB, isoform B /SNF1A/AMP-activated
AAX20150 Aedes aegypti AMPK-alpha subunit
XP_312237 Anopheles gambiae str. PEST EAA00726 ENSANGP00000010809/ENSANGP00000010808
AAD50063 Dictyostelium discoideum SNF1/AMP-activated kinase
XP_642050 Dictyostelium discoideum AAX41,EAL66125 Dictyostelium discoideum putative CAM kinase/putative protein kinase/putative serine/threonine kinase
CAAB9002 Chlamydomonas eugametos calcium-stimulated protein kinase
CAF21062 Dunaliella tertiolecta calcium-dependent protein kinase
CAB52273 Tetrahymena thermophila SB210 Protein kinase domain containing protein
XP_666308 Cryptosporidium hominis TU502 EAL36077 Cryptosporidium hominis calcium-dependent protein kinase/calcium-dependent protein kinase
EAH82879 Tetrahymena thermophila SB210 Protein kinase domain containing protein
XP_642050 Entamoeba histolytica HM-1:IMSS EAL47814 protein kinase/protein kinase, putative
XP_641424 Dictyostelium discoideum AAX10532 Dictyostelium discoideum AAB06337 EAL67434 CAM kinase (CAMK)/MYLK, DICDI Myosin light chain kinase /myosin light chain kinase
XP_001027631 Ciona intestinalis BAC57526 calmodulin-dependent protein kinase homologue/calmodulin-dependent protein kinase homologue
XP_640486 Dictyostelium discoideum AAX EAL65527 Dictyostelium discoideum putative CAM kinase/putative protein serine/threonine kinase
XP_636106 Schizosaccharomyces pombe 972h- P32987 Schizosaccharomyces pombe CAA20706 hypothetical protein SPBC4F6.05KINX1_SCHPO Protein kinase kin1/kin1
XP_369450 Gibberella zeae PH-1 EAA76915 hypothetical protein FG00274.1/hypothetical protein FG00274.1
XP_363353 Aspergillus fumigatus 70-1 hypothetical protein MG01278.4
AAZ84910 Monosiguetes crassus putative serine/threonine protein kinase
XP_652194 Entamoeba histolytica HM-1:IMSS XP_654072 EAL46808 EAL46686 protein kinase/protein kinase /protein kinase, putative /protein kinase, putative
1975_Cre
EAR68487 Tetrahymena thermophila SB210 Protein kinase domain containing protein
CAR88023 Tetrahymena thermophila SB210 Protein kinase domain containing protein
EAR68254 Tetrahymena thermophila SB210 Protein kinase domain containing protein
EAR59912 Tetrahymena thermophila SB210 Protein kinase domain containing protein
XP_619402 Mus musculus XP_622800 XP_619304 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
NP_766092 Mus musculus BAC26584 hypothetical protein LOC122225/unnamed protein product
XP_136614 Mus musculus XP_302687 PREDICTED: similar to serine/threonine kinase /PREDICTED: similar to serine/threonine kinase
XP_136612 Mus musculus XP_600847 PREDICTED: similar to serine/threonine kinase /PREDICTED: similar to serine/threonine kinase
XP_766747 Mus musculus BAC34424 BAC35497 AAK66123 hypothetical protein LOC242589/hypothetical protein LOC242589
XP_496679 Caenorhabditis elegans CAB04433 F49C3,4/hypothetical protein F49C3,4
XP_725372 Plasmodium vivax AAW07778 NP_725371 NP_610942 NP_725370 AAF58274 AAM11342 AAM70994 AAM70995 AAM70996 CG8485-PD, isoform D/CG8485-PC, isoform C /CG8485-PA, isoform A /CG8485-PB, isoform B /CG8485-PE, isoform B /
NP_001002388 Danio rerio AAH75668 hypothetical protein LOC436661/zgc:92047
CAB49612 Homo sapiens BAA07744 SNRK_HUMAN SNF-related serine/threonine-protein kinase (SNF1-related kinase)/KIAA0096
AAH71567 Homo sapiens SNRK protein
CAH18415 Homo sapiens hypothetical protein
CAF97508 Tetraodon nigroviridis unnamed protein product
XP_566445 Caenorhabditis elegans AAA84410 AAR97497 protein KINase family member (kin-29)/Protein kinase protein 29 /serine/threonine kinase KIN-29
XP_316445 Anopheles gambiae str. PEST EAA11379 ENSANGP00000004268/ENSANGP00000004268
XP_815175 Drosophila melanogaster AAF57352 AAY89009 CG10072-PA/CG10072-PA, LD07105p
CAL24993 Drosophila pseudoobscura GA13471-PA
CAF85056 Tetraodon nigroviridis unnamed protein product
NP_079440 Homo sapiens BAA76843 KIAA0999 protein/KIAA0999 protein
CB177A Mus musculus AAH95088 AAH93268 hypothetical protein LOC70661/cDNA sequence BC033915 /cDNA sequence BC033915
XP_311878 Anopheles gambiae str. PEST EAA07881 ENSANGP00000018227/ENSANGP00000018227
XP_569972 Drosophila melanogaster AAF46711 CG4290-PA/CG4290-PA
NP_848825 Mus musculus SNF1-like 2 kinase
Q9EJ7K Mus musculus BAC53845 SNVL2_MOUSE Serine/threonine-protein kinase SNF1-like kinase 2 (Salt-inducible kinase 2) /salt inducible kinase 2
Q5SEX1 Pongo pygmaeus CAH99656 SNV1L2_PONPY Serine/threonine-protein kinase SNF1-like kinase 2/hypothetical protein
NP_056506 Homo sapiens Q9H3K1 CAB66698 BAB81442 SNF1-like kinase 2/SNVL2_HUMAN Serine/threonine-protein kinase SNF1-like kinase 2 (Qin-induced kinase)/hypothetical protein /KIAA0781 protein
CAG05842 Tetraodon nigroviridis unnamed protein product
XP_855009 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_990013 Gallus gallus Q9IA88 AAF28351 SNF1-like kinase/SNF1LK_CHICK Serine/threonine-protein kinase SNF1-like kinase 2 (Qin-induced kinase)/qin-induced kinase
XP_544913 Canis familaris PREDICTED: similar to Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (Salt-inducible protein kinase) (Protein kinase KID2)
P57059 Homo sapiens BAC85126 BAD74070 SNV1L1_HUMAN Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK)/FLJ00263 protein /serine/threonine protein kinase
NP_034961 Mus musculus Q60670 AAA87926 SNF1-like kinase/SNV1L1_MOUSE Serine/threonine-protein kinase SNF1-like kinase 1 (Serine/threonine-protein kinase SNF1LK) (HRT-20) (Myocardial SNF1-like kinase) /protein kinase
BAE36462 Mus musculus unnamed protein product
QHRT1G5 Rattus norvegicus BAA86273 SNV1L1_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
AAL90060 Drosophila melanogaster AT13073-2
XP_550066 Drosophila melanogaster AAF54877 KP79a CG6715-PC/CG6715-PA
AAB91936 Drosophila melanogaster protein KP79 protein kinase
XP_001024018 Caenorhabditis elegans CAB54179 CAB54263 CAJ85745 CAJ85756 abnormal embryonic PARtoning of cytoplasm family member (par-1)/hypothetical protein H39E23.1a /hypothetical protein H39E23.1c /hypothetical pr
NP_001014541 Drosophila melanogaster NP_995695 NP_995696 AAL13494 AAF37550 AAF37548 AAO22409 AAX32093 par-1 CG8201-PA, isoform M/par-1 CG8201-PC, isoform C/par-1 CG8201-PD, isoform D /GH01899p /CG8201-PC, isoform C /CG8201-PD, isoform D /SD05712p /C
CAG12714 Tetraodon nigroviridis unnamed protein product
BAD03375 Xenopus laevis microtubule affinity-regulating kinase-like1
XP_113605 Homo sapiens Q96L34 AAC33487 AAL23683 BAC11510 AAM55551 MAP/microtubule affinity-regulating kinase 4 /MARK4_HUMAN MAP/microtubule affinity-regulating kinase 4 (MAP/microtubule affinity-regulating kinase-like 1)/R31237_1_partial CDS /MARK4
AAD27506 Xenopus laevis Ser/Thr protein kinase PAR-1B alpha
NP_001035540 Xenopus tropicalis AAH43730 serine/threonine kinase /Mark2-prov protein
NP_001035540 Xenopus tropicalis AAH95074 serine/threonine kinase /Mark2-prov protein/Mark2-prov protein
12MV Rattus norvegicus 12MV B Chain B, Catalytic And Ubiquitin-Associated Domains Of Mark2/PAR-1: K82= Mutant/A Chain A, Catalytic And Ubiquitin-Associated Domains Of Mark2/PAR-1: K82= Mutant
NP_031964 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
12MW Rattus norvegicus 12MW B Chain B, Catalytic And Ubiquitin-Associated Domains Of Mark2/PAR-1: T208=S212/A Chain A, Catalytic And Ubiquitin-Associated Domains Of Mark2/PAR-1: T208=S212/A INACTIVE DOUBLE MUTANT
BAD37147 Homo sapiens BAE32087 Mus musculus serine/threonine kinase /unnamed protein product
XP_690280 Danio rerio PREDICTED: similar to Serine/threonine-protein kinase MARK2 (MAP/microtubule affinity-regulating kinase 2) (ELKL motif kinase) (EMK1) (PAR1 homolog), partial
XP_663490 Mus musculus Q8VHX6 AAB08206 MAP/microtubule affinity-regulating kinase 1 /MARK1_MOUSE Serine/threonine-protein kinase MARK1 (MAP/microtubule affinity-regulating kinase 1) (ELKL motif serine/threonine-protein kinase 3) /ELKL motif serine-th
XP_536123 Canis familaris PREDICTED: similar to Serine/threonine-protein kinase MARK1 (MAP/microtubule affinity-regulating kinase 1)
Q9P0L2 Homo sapiens AAF72103 CAH72463 AAI13870 AAI14479 MARK1_HUMAN Serine/threonine-protein kinase MARK1 (MAP/microtubule affinity-regulating kinase 1)/MARK /MAP/microtubule affinity-regulating kinase /MARK1 protein ,MARK1 protein
CAG00778 Tetraodon nigroviridis unnamed protein product
AAQ27567 Xenopus laevis Ser/Thr protein kinase PAR-1A
P68653 Canis familaris PREDICTED: similar to MAP/microtubule affinity-regulating kinase 3 (Cdc25C-associated protein kinase 1) (c)(TAK1) (C-TAK1) (Serine/threonine protein kinase p78) (Ser/Thr protein kinase STK10) isoform 20
AAD48007 Homo sapiens serine/threonine protein kinase Ng78 splice variant CTAK75a
P27448 Homo sapiens AAC15003 AAK82067 AAH24773 MARK2_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
NP_956179 Danio rerio AAH67179 MAP/microtubule affinity-regulating kinase 3 /MAP/microtubule affinity-regulating kinase 3
XP_469890 Oryza sativa (japonica c