TOR (AT1G50030): global tree
File name: TOR.mltree2.svg
663 aa residues 56 OTU included.

Assemble Job Id: NwIRKp
Tree job id: JtYJHx
BP values out of 100
Analyzed by tomoakin@kenroku.kanazawa-u.ac.jp   Originally by K. Mikami
Date: Fri Jun 29 16:55:13 JST 2007

XP_767837 *Giardia lamblia ATCC 50803* AAM33436 EAA37683 phosphatidylinositol kinase/phosphatidylinositol kinase-related kinase /GLP_171_17599_22176
XP_826806 *Trypanosoma brucei TREU927* AAX80939 *Trypanosoma brucei* AAZ10671 hypothetical protein Tb927.4.800/hypothetical protein, conserved /hypothetical protein, conserved
XP_818955 *Trypanosoma cruzi strain CL Brener* EAN97104 *Trypanosoma cruzi* hypothetical protein/hypothetical protein, conserved
CAJ08117 *Leishmania major* phosphatidylinositol 3-kinase-like protein
CAJ09607 *Leishmania major* phosphatidylinositol 3 kinase, putative
AAC32769 *Trypanosoma brucei* phosphatidylinositol 3 kinase
XP_823076 *Trypanosoma brucei TREU927* EAN78248 *Trypanosoma brucei* phosphatidylinositol 3 kinase/phosphatidylinositol 3 kinase, putative
XP_818605 *Trypanosoma cruzi strain CL Brener* EAN96754 *Trypanosoma cruzi* phosphatidylinositol 3 kinase/phosphatidylinositol 3 kinase, putative
EAS01249 *Tetrahymena thermophila SB210* Phosphatidylinositol 3- and 4-kinase family protein
XP_655838 *Entamoeba histolytica HM-1:IMSS* EAL50452 Phosphatidylinositol 3-kinase/Phosphatidylinositol 3-kinase, putative
NP_491552 *Caenorhabditis elegans* NP_491549 Q95Q95 T25444 AAN84885 AAN84886 B0261.2b/B0261.2a /TOR_CAEEL Target of rapamycin homolog (CeTOR) (Lethal protein 363) /T25444 hypothetical protein B0261.2 - Caenorhabditis elegans/Lethal protein 363, isoform
XP_317619 *Anopheles gambiae str. PEST* EAA12914 ENSANGP00000007283/ENSANGP00000007283
AAR97336 *Aedes aegypti* target of rapamycin
EAL32962 *Drosophila pseudoobscura* GA18654-PA
NP_524891 *Drosophila melanogaster* AAF53237 Target of rapamycin CG5092-PA/CG5092-PA
XP_625130 *Apis mellifera* PREDICTED: similar to target of rapamycin
XP_697885 *Danio rerio* PREDICTED: similar to FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mammalian target of rapamycin) (MTOR)
XP_417614 *Gallus gallus* PREDICTED: similar to FKBP-rapamycin associated protein (FRAP) (Rapamycin target protein)
NP_063971 *Rattus norvegicus* P42346 AAA20091 AAA65929 rapamycin and FKBP12 target-1 protein/FRAP_RAT FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mamm
XP_622902 *Mus musculus* NP_064393 Q9JLN9 AAF73196 AAI12905 PREDICTED: similar to FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mammalian target of rapa
NP_004949 *Homo sapiens* P42345 AAA58486 AAC39933 CAC15570 CAI17228 CAI22105 CAI22145 BAE06077 FK506 binding protein 12-rapamycin associated protein 1/FRAP_HUMAN FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-as
2014422A *Homo sapiens* 2014422A FKBP-rapamycin-associated protein
XP_865542 *Canis familiaris* XP_535407 XP_865524 PREDICTED: similar to FKBP12-rapamycin complex-associated protein (FK506-binding protein 12-rapamycin complex-associated protein 1) (Rapamycin target protein) (RAPT1) (Mammalian target of rapamycin) (MTO
AAD16274 *Cryptococcus neoformans var. neoformans* phosphatidylinositol 3-kinase TOR1
AAD16273 *Cryptococcus neoformans var. grubii* phosphatidylinositol 3-kinase TOR1
XP_571336 *Cryptococcus neoformans var. neoformans JEC21* EAL20296 *Cryptococcus neoformans var. neoformans B-3501A* AAW44029 *Cryptococcus neoformans var. neoformans JEC21* phosphatidylinositol 3-kinase TOR1/hypothetical protein CNBF1080 /phosphatidyl
XP_759363 *Ustilago maydis 521* EAK84321 hypothetical protein UM03216.1/hypothetical protein UM03216.1
XP_713206 *Candida albicans SC5314* XP_713160 EAK94043 EAK94089 putative TOR protein/phosphatidylinositol kinase fragment /putative TOR protein/phosphatidylinositol kinase fragment /potential TOR protein/phosphatidylinositol kinase fragment /potential
XP_461362 *Debaryomyces hansenii CBS767* CAG89768 hypothetical protein DEHA0F24882g/unnamed protein product
XP_452152 *Kluyveromyces lactis NRRL Y-1140* CAH02545 unnamed protein product/unnamed protein product
CAA52849 *Saccharomyces cerevisiae* TOR1
2010264A *Saccharomyces cerevisiae* AAB66881 2010264A TOR1(DRR1) gene/mutant drr1-1 protein
NP_012600 *Saccharomyces cerevisiae* P35169 CAA89594 AAB39292 PIK-related protein kinase and rapamycin target; subunit of TORC1, a complex that controls growth in response to nutrients by regulating translation, transcription, ribosome biogenesis, nutr
XP_445995 *Candida glabrata CBS 138* CAG58919 unnamed protein product/unnamed protein product
XP_448247 *Candida glabrata CBS 138* CAG61208 unnamed protein product/unnamed protein product
P32600 *Saccharomyces cerevisiae* CAA82048 TOR2_YEAST Phosphatidylinositol 3-kinase TOR2 (PtdIns-3-kinase TOR2) (PI3-kinase TOR2) (PI3K TOR2)/TOR2
NP_012719 *Saccharomyces cerevisiae* 2010264B CAA50548 PIK-related protein kinase and rapamycin target; subunit of TORC1, a complex that regulates growth in response to nutrients and TORC2, a complex that regulates cell-cycle dependent polarization of
NP_985967 *Eremothecium gossypii* AAS53791 *Ashbya gossypii ATCC 10895* AFR420Wp/AFR420Wp
XP_505106 *Yarrowia lipolytica CLIB122* CAG77913 hypothetical protein/unnamed protein product
XP_960570 *Neurospora crassa N150* XP_325463 *Neurospora crassa* EAA31334 hypothetical protein/hypothetical protein /hypothetical protein
ABB73305 *Podospora anserina* target of rapamycin
XP_388309 *Gibberella zeae PH-1* EAA71932 hypothetical protein FG08133.1/hypothetical protein FG08133.1
BAE65083 *Aspergillus oryzae* unnamed protein product
XP_755360 *Aspergillus fumigatus Af293* EAL93322 phosphatidylinositol 3-kinase/phosphatidylinositol 3-kinase, putative
XP_663586 *Aspergillus nidulans FGSC A4* EAA57731 CAG30554 *Emericella nidulans* hypothetical protein AN5982.2/hypothetical protein AN5982.2 /TorA protein
NP_596275 *Schizosaccharomyces pombe 972h-* O14356 *Schizosaccharomyces pombe* CAB10805 hypothetical protein SPBC30D10.10c/TOR1_SCHPO Phosphatidylinositol 3-kinase tor1 (PtdIns-3-kinase tor1) (PI3-kinase tor1) (PI3K tor1)/SPBC30D10.10c
NP_595359 *Schizosaccharomyces pombe 972h-* Q9Y7K2 *Schizosaccharomyces pombe* CAB40167 phosphatidylinositol kinase/TOR2_SCHPO Phosphatidylinositol 3-kinase tor2 (PtdIns-3-kinase tor2) (PI3-kinase tor2) (PI3K tor2)/SPBC216.07c
XP_640629 *Dictyostelium discoideum AX4* AAO43977 *Dictyostelium discoideum* EAL66546 hypothetical protein DDB0214908/Tor /hypothetical protein DDB0214908
gnl|CMER|CMR018C_phosphatidylinositol_3-kinase
ABB13529 *Chlamydomonas reinhardtii* target of rapamycin kinase
Smo_TOR1_87_4
Smo_TOR1_8_2
Ppa_TOR1_32_2
AAT93990 *Oryza sativa* (japonica cultivar-group) unknown protein
AAW78347 *Zea mays* target of rapamycin
AT1G50030 = NP_175425 AAF76442 AAG43423 TOR (TARGET OF RAPAMYCIN)/Contains strong similarity to rapamycin associated protein FRAP2 from Homo sapiens gb|U88966 and contains a Phosphatidylinositol kinase PF|00454 domain. EST gb|W43444 comes from this

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