SETH2 (AT3G45100): global tree
File name: SETH2.mltree0.svg
338 aa residues 49 OTU included.

Assemble Job Id: YldUnu
Tree job id: VXSy8y
BP values out of 100
Analyzed by aono@nibb.ac.jp
Date: Mon Jun 05 09:19:25 JST 2006

YP_183736 *Thermococcus kodakarensis KOD1* BAD85512 glycosyltransferase, family 4/glycosyltransferase, family 4

NP_495840 *Caenorhabditis elegans* CAA91062 D2085.6/Hypothetical protein D2085.6

EAL26353 *Drosophila pseudoobscura* GA19564-PA
NP_611257 *Drosophila melanogaster* AAF57802 AAM52703 CG6401-PA/CG6401-PA /LD44262p
XP_397085 *Apis mellifera* PREDICTED: similar to phosphatidylinositol N-acetylglucosaminyltransferase subunit A

NP_957241 *Danio rerio* AAH49334 phosphatidylinositol N-acetylglucosaminyltransferase subunit A/Similar to phosphatidylinositol glycan, class A (paroxysmal nocturnal hemoglobinuria)
CAG05837 *Tetraodon nigroviridis* unnamed protein product
NP_001025979 *Gallus gallus* CAH65006 phosphatidylinositol N-acetylglucosaminyltransferase subunit A/hypothetical protein
BAE36154 *Mus musculus* unnamed protein product
NP_035211 *Mus musculus* BAC27792 phosphatidylinositol glycan, class A/unnamed protein product
Q64323 *Mus musculus* BAA05047 BAA06663 AAP32009 *Mus sp.* PIGA_MOUSE N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein (GlcNAc-PI synthesis protein) (Phosphatidylinositol-glycan biosynthesis, class A protein) (PIG-A)/Pig-a precursor /PIG-A
XP_343784 *Rattus norvegicus* PREDICTED: similar to Pig-a precursor
NP_002632 *Homo sapiens* P37287 BAA02019 AAH38236 phosphatidylinositol N-acetylglucosaminyltransferase subunit A isoform 1/PIGA_HUMAN Phosphatidylinositol N-acetylglucosaminyltransferase subunit A (GlcNAc-PI synthesis protein) (Phosphatidylino
XP_870018 *Bos taurus* PREDICTED: similar to phosphatidylinositol N-acetylglucosaminyltransferase subunit A isoform 1 isoform 2
XP_548868 *Canis familiaris* PREDICTED: similar to phosphatidylinositol N-acetylglucosaminyltransferase subunit A isoform 1
XP_789293 *Strongylocentrotus purpuratus* PREDICTED: similar to phosphatidylinositol N-acetylglucosaminyltransferase subunit A isoform 1, partial

XP_656646 *Entamoeba histolytica HM-1:IMSS* EAL51260 Phosphatidylinositol N-acetylglucosaminyltransferase subunit A, putative/Phosphatidylinositol N-acetylglucosaminyltransferase subunit A, putative
XP_570434 *Cryptococcus neoformans var. neoformans JEC21* EAL21027 *Cryptococcus neoformans var. neoformans B-3501A* AAW43127 *Cryptococcus neoformans var. neoformans JEC21* transferase/hypothetical protein CNBD4030 /transferase, putative
XP_761381 *Ustilago maydis 521* EAK82847 hypothetical protein UM05234.1/hypothetical protein UM05234.1

NP_015150 *Saccharomyces cerevisiae* P32363 CAA44924 CAA97882 UDP-GlcNAc-binding and catalytic subunit of the enzyme that mediates the first step in glycosylphosphatidylinositol (GPI) biosynthesis, mutations cause defects in transcription and in biogen
XP_446126 *Candida glabrata CBS 138* CAG59050 unnamed protein product/unnamed protein product
XP_452631 *Kluyveromyces lactis NRRL Y-1140* CAH01482 unnamed protein product/unnamed protein product
NP_982434 *Eremothecium gossypii* AAS50258 *Ashbya gossypii ATCC 10895* AAL108Cp/AAL108Cp
XP_461005 *Debaryomyces hansenii CBS767* CAG89375 hypothetical protein DEHA0F16126g/unnamed protein product
XP_717439 *Candida albicans SC5314* XP_717350 EAK98381 EAK98473 hypothetical protein CaO19_8117/hypothetical protein CaO19_487 /hypothetical protein CaO19.487 /hypothetical protein CaO19.8117
XP_500288 *Yarrowia lipolytica CLIB122* CAG84226 hypothetical protein/unnamed protein product
XP_958197 *Neurospora crassa N150* XP_330407 *Neurospora crassa* EAA28961 hypothetical protein/hypothetical protein /hypothetical protein
EAQ84148 *Chaetomium globosum CBS 148.51* conserved hypothetical protein
XP_361459 *Magnaporthe grisea 70-15* hypothetical protein MG03933.4
XP_381136 *Gibberella zeae PH-1* EAA69511 hypothetical protein FG00960.1/hypothetical protein FG00960.1
XP_753063 *Aspergillus fumigatus Af293* AAS68360 *Aspergillus fumigatus* EAL91025 *Aspergillus fumigatus Af293* phosphatidylinositol:UDP-GlcNAc transferase subunit PIG-A/phosphatidylinositol:UDP-GlcNAc transferase PIG-A /phosphatidylinositol:UDP-GlcNAc
BAE55973 *Aspergillus oryzae* unnamed protein product
XP_658240 *Aspergillus nidulans FGSC A4* EAA65179 hypothetical protein AN0636.2/hypothetical protein AN0636.2
NP_595519 *Schizosaccharomyces pombe 972h-* CAB09127 *Schizosaccharomyces pombe* hypothetical protein SPBC3D6.07/SPBC3D6.07

XP_638832 *Dictyostelium discoideum AX4* EAL65470 *Dictyostelium discoideum* hypothetical protein DDB0185779/hypothetical protein DDB0185779

XP_667282 *Cryptosporidium hominis TU502* EAL37060 *Cryptosporidium hominis* N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein/N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein
XP_625803 *Cryptosporidium parvum Iowa II* EAK87941 *Cryptosporidium parvum* PIG-A like N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein/PIG-A like N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein
AAX63811 *Paramecium primaurelia* PIG-A
XP_953394 *Theileria annulata strain Ankara* CAI76769 *Theileria annulata* glycosyl transferase/glycosyl transferase, putative
NP_700789 *Plasmodium falciparum 3D7* AAN35513 phosphatidyl inositol glycan, class A, putative/phosphatidyl inositol glycan, class A, putative
AAO61618 *Toxoplasma gondii* AAO61619 phosphatidylinositolglycan class A protein/phosphatidylinositolglycan class A protein
516_Cre
CAJ06430 *Leishmania major* n-acetylglucosaminyl-phosphatidylinositolbiosyn th eticprotein, putative
XP_808572 *Trypanosoma cruzi strain CL Brener* XP_805941 EAN84090 *Trypanosoma cruzi* EAN86721 N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein/N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein /N-acetylglucosaminyl-phosphati
XP_951511 *Trypanosoma brucei TREU927* AAQ15636 *Trypanosoma brucei* AAX79535 N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein/N-acetylglucosaminyl-phosphatidylinositol biosynthetic protein, putative /N-acetylglucosaminyl-phosphatidylinos
Smo_SETH2_1_1 Smo_SETH2_4_2
Ppa_SETH2_1_1
XP_477385 *Oryza sativa* (japonica cultivar-group) BAC10070 putative Phosphatidylinositol N-acetylglucosaminyltransferase/putative Phosphatidylinositol N-acetylglucosaminyltransferase
AT3G45100 = NP_850658 NP_566874 CAB72148 AAK62657 AAL87379 SETH2; transferase, transferring glycosyl groups/SETH2; transferase, transferring glycosyl groups /n-acetylglucosaminyl-phosphatidylinositol-like protein /AT3g45100/T14D3_40 /AT3g45100/T14D3

10.000