<html><head><style type="text/css"></style></head><body>CLUSTAL 2.1 multiple sequence alignment

humanDPAGT1	PWAFSELPMPLLINLIVSLLGFVATVTLI <mark>P</mark> AFRG <mark>H</mark> FIAARLCGQDL	46
mouseDPAGT1	PWAFPELPLPLPLLVNLIGSLLGFVATVTLI <mark>P</mark> AFRS <mark>H</mark> FIAARLCGQDL	48
zebrafishDPAGT1	PSPIPVVP-LIINCCMSALGCIATVKLI <mark>P</mark> AFKE <mark>H</mark> FISARLYGMDL	44
celegansDPAGT1	ETALINGGLSAVGAVICYQLI <mark>L</mark> TYIP <mark>I</mark> FIARKMYGNDQ	41
drosophilaDPAGT1	PSGVA-IAINAAISGAAYCMTVRMI <mark>P</mark> RFRE <mark>M</mark> FIKANLFGNDL	41
yeastDPAGT1	MLRLFSLALITCLIYYSKNQGPSALVAAVGFGIAGYLATDMLI <mark>P</mark> RVGK <mark>S</mark> FIKIGLFGKDL	60
humanDPAGT1	NKTSRQQIPESQGVISGAVFLIILFCFIPFPFLNCFVKEQCKA	
mouseDPAGT1	NKLSQQQIPESQGVISGAVFLIILFCFIPFPFLNCFVEEQCK	
zebrafishDPAGT1	NKTTKKEVPESQGVISGTVFLIILFLFIPVPFLQCFMGEKCQR	
celegansDPAGT1	CKVSNAPVPEPMGVICAAVYLIVMFMFIPFPFLEWKGQSE	81
drosophilaDPAGT1		91
yeastDPAGT1	SKPGRPVLPETIGAIPAAVYLFVMFIYIPFIFYKYMVITTSGGGHRDVSVVEDNGMNSN <mark>I</mark>	120
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humanDDACM1		140
humanDPAGT1	FPHHEFVALIGALLAICCMIFLGFADDVLNLRWRHKLLLPTAASLPLLMVYFTNFGNTTI	
mouseDPAGT1	FPHHEFVALIGALLAICCMIFLGFADDVLNLRWRHKLLLPTAASLPLLMVYFTNFGNTTI	
zebrafishDPAGT1	FPHNEFVQLIGALLAICCMIFLGFADDVLNLRWRHKLLLPTMASLPLLMVYFTNFGNTVI	
celegansDPAGT1	FPYEKLLALLSGLISISTAILLGFADDMLDLKWRHKLLFPTLSSLPLLMVYYVSGNSTTV	
drosophilaDPAGT1	FPHDKFVELIAALLSICCMIFLGFADDVLDLRWRHKLLLPTIATLPLLMVYYVNYNSTTV	
yeastDPAGT1	FPHDKLSEYLSAILCLESTVLLGIADDLFDLRWRHKFFLPAIAAIPLLMVYYVDFGVTHV	180
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humanDPAGT1	VVPKPFRPILGLHLDLGILYYVYMGLLAVFCTNAINILAGINGLEAGQSLVISA	203
mouseDPAGT1	VVPKPFRWILGLHLDLGILYYVYMGLLAVFCTNAINILAGINGLEAGQSLVISA	
zebrafishDPAGT1	VVPKPFRLLLGMHLDLGILYYVYMGMLAVFCTNAINILAGINGIESGQALFISG	
celegansDPAGT1	IVPTIVRHLVQPIVLLPVTINISFIYYIFMGMVIVFCTNAINILAGINGLESGQSLVISA	
drosophilaDPAGT1		
-	IMPNFARNLIGTSLNIGALYYVFMGMLAVFCTNAINILAGINGLEVGQSFIIAG	
yeastDPAGT1	LIPGFMERWLKKTSVDLGLWYYVYMASMAIFCPNSINILAGVNGLEVGQCIVLAI ::* : ::: **:*: : :**:**:**:** **:::::	233
humanDPAGT1	SIIVFNLVELEGDCRDDHVFSLYFMIPFFFTTLGLLYHNWYPSRVFVGDTFCYF	257
mouseDPAGT1	SIIVFNLVELEGDYRDDHIFSLYFMIPFFFTTLGLLYHNWYPSRVFVGDTFCYF	259
zebrafishDPAGT1	SIILFNLLELNGDYRDDHVFSLYFMIPFFFTTLALFYHNWYPSSVFVGDTFCYF	255
celegansDPAGT1	SVCLFNFVQIFRFSAENSTGFWHHTISLYFLLPFTACTAILFYFNKYPSRVFVGDTFCYW	261
drosophilaDPAGT1	SILVFNAIELLLGHQVDSHIFSIYFMLPFLATTLALWKFNKYPSQVFVGDTYCYF	260
yeastDPAGT1	LALLNDLLYFSMGPLATRDSHRFSAVLIIPFLGVSLALWKWNRWPATVFVGDTYCYF	292
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humanDPAGT1	AGMTFAVVGILGHFSKTMLLFFMPQVFNFLYSLPQLLHIIPCPRHRIPRLNIKTGKLEMS	317
mouseDPAGT1	~ ~	319
zebrafishDPAGT1	AGMTFAVVGILGHFSKTMLLFFIPQVINFIYSLPQLFHIIPCPRHRLPRLQSDTGKLGMS	315
celegansDPAGT1	SGMTLAVVSILGHFSKTLMLFFVPQIINFLYSIPQLFHLVPCPRHRLPKYDPKTDTVSMS	321
drosophilaDPAGT1	AGMTFAVVGILGHFSKTLLLFFLPQILNFLYSTPQLFHFVPCPRHRLPKYDSKTDLLHIS	320
yeastDPAGT1	AGMVFAVVGILGHFSKTMLLLFIPQIVNFIYSCPQLFKLVPCPRHRLPKFNEKDGLMYPS	352
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humanDD3 CM1	VONDEMBROI CHI CHILI VIIA HOI OI VIIVIIO CHINDOLURGO CHINDOLURGI TATI I VIII CRITURE	277
humanDPAGT1	YSKFKTKSLSFLGTFILKVAESLQLVTVHQSETEDGEFTECNNMTLINLLLKVLGPIHER	
mouseDPAGT1	YSKFKTKNLSFLGTFILKVAENLRLVTVHQGESEDGAFTECNNMTLINLLLKVFGPIHER	
zebrafishDPAGT1	YSKFKQKDLGKLGQLILKVAEKLWVLDVRRGQEGDDEFIECNNMTLINLVLKILGPTHER	
celegansDPAGT1	IAEFKKTDLKRLGALFIAVCKSIGMLHVKEVEKDGEIYLQINNLTIINLVLKFAGPLHEK	
drosophilaDPAGT1	TTEFRLEDLNAPGRLMVTVLRNLRLISWHTKADGVVRTNNFTLINFVLVVFGPVHER	
yeastDPAGT1	RANLKEEPPKSIFKPILKLLYCLHLIDLEFDENNEIISTSNMTLINLTLVWFGPMRED	410
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NLTLLLLLQILGSAITFSIRYQLVRLFYDV 408
NLTLLLLLQVLSSAATFSIRYQLVRLFYDV 410
TLTAIMLLMQVLGSAVAFGIRYHLVRLFYDV 406
TLNDVLMSIQILCSLLAFFIRFYLASLFYDVVE 414
VVTQMLMGFQVLCTLIALTIRYPLANYFYAKT 409
KLCNTILKLQFCIGILALLGRHAIGAIIFGHDNLWTVR 448
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