

Příloha č. 9 – Nejhomolognější známé proteiny k získané parciální sekvenci prasečí Plk4

- Vytvořeno pomocí programu BLAST na <http://www.ncbi.nlm.nih.gov> - taxonomy reports - dne 2. února 2005.

Organism Report

<u>Canis familiaris</u> (dogs) [mammals] taxid 9615			
gi 57100537 ref XP_533295.1 	PREDICTED: similar to Serine/...	375	1e-102
<u>Rattus norvegicus</u> (brown rat, ...) [mammals] taxid 10116			
gi 34856879 ref XP_227064.2 	similar to serine/threonine k...	359	5e-98
<u>Pan troglodytes</u> [mammals] taxid 9598			
gi 55623182 ref XP_517431.1 	PREDICTED: polo-like kinase 4...	358	1e-97
<u>Homo sapiens</u> (man) [mammals] taxid 9606			
gi 23243309 gb AAH36023.1 	Polo-like kinase 4 [Homo sapiens]	358	2e-97
gi 21361433 ref NP_055079.2 	polo-like kinase 4 [Homo sapi...	358	2e-97
gi 2125814 emb CAA73575.1 	serine/threonine protein kinase...	358	2e-97
gi 51316189 sp O00444 PLK4_HUMAN	Serine/threonine-protein ...	358	2e-97
gi 1082713 pir A48133	pre-mRNA splicing SRp75 - human >gi...	34	5.2
gi 30583669 gb AAP36083.1 	splicing factor, arginine/serin...	33	6.7
<u>Pongo pygmaeus</u> (orang-utan) [mammals] taxid 9600			
gi 55729362 emb CAH91413.1 	hypothetical protein [Pongo py...	351	1e-95
gi 55732518 emb CAH92959.1 	hypothetical protein [Pongo py...	34	3.9
<u>Mus musculus</u> (mouse) [mammals] taxid 10090			
gi 487870 gb AAC37648.1 	serine/threonine kinase >gi 10834...	350	2e-95
gi 51316208 sp Q64702 PLK4_MOUSE	Serine/threonine-protein ...	350	2e-95
gi 51768009 ref XP_484329.1 	similar to serine/threonine k...	350	2e-95
gi 27501454 ref NP_035625.1 	polo-like kinase 4 isoform sa...	348	9e-95
gi 34783991 gb AAH57940.1 	Plk4 protein [Mus musculus]	272	9e-72
gi 27501466 ref NP_775261.1 	polo-like kinase 4 isoform sa...	223	8e-57
gi 1083472 pir B55748	protein kinase (EC 2.7.1.37) Sak-b ...	219	1e-55
gi 12839572 dbj BAB24599.1 	unnamed protein product [Mus m...	184	4e-45
gi 12840100 dbj BAB24759.1 	unnamed protein product [Mus m...	91	3e-17
gi 22268151 gb AAH26944.1 	Sfrs4 protein [Mus musculus]	36	1.0
gi 18043896 gb AAH19437.1 	Sfrs4 protein [Mus musculus] >g...	36	1.0
gi 10181126 ref NP_065612.1 	splicing factor, arginine/ser...	36	1.0
gi 26449170 dbj BAC36925.1 	unnamed protein product [Mus m...	36	1.0
<u>Gallus gallus</u> (chickens) [birds] taxid 9031			
gi 50746363 ref XP_420462.1 	PREDICTED: similar to Polo-li...	236	7e-61
gi 50742615 ref XP_419695.1 	PREDICTED: similar to Synapto...	34	5.2
<u>Xenopus laevis</u> (clawed frog) [amphibians] taxid 8355			
gi 37805197 gb AAH60363.1 	MGC68791 protein [Xenopus laevis]	202	1e-50
gi 28302303 gb AAH46695.1 	MGC53149 protein [Xenopus laevis]	34	5.2
gi 47939723 gb AAH72145.1 	MGC80064 protein [Xenopus laevis]	33	8.8
<u>Danio rerio</u> (zebra fish, ...) [bony fishes] taxid 7955			
gi 28374311 gb AAH45434.1 	Plk4 protein [Danio rerio]	178	2e-43
<u>Tetraodon nigroviridis</u> [bony fishes] taxid 99883			
gi 47230151 emb CAG10565.1 	unnamed protein product [Tetra...	146	7e-34
gi 47212671 emb CAF94152.1 	unnamed protein product [Tetra...	35	1.8
<u>Drosophila pseudoobscura</u> [flies] taxid 7237			
gi 54641108 gb EAL29859.1 	GA20166-PA [Drosophila pseudoob...	66	1e-09
<u>Drosophila melanogaster</u> [flies] taxid 7227			
gi 21358073 ref NP_649324.1 	CG7186-PA [Drosophila melanog...	63	6e-09
gi 28557593 gb AAO45202.1 	RE70136p [Drosophila melanogaster]	63	6e-09
gi 45554189 ref NP_996351.1 	CG32767-PB, isoform B [Drosop...	34	5.2
gi 33589366 gb AAQ22450.1 	RE54443p [Drosophila melanogaster]	34	5.2
gi 45552064 ref NP_788364.2 	CG18250-PC, isoform C [Drosop...	33	6.7

gi 24647644 ref NP_650611.1 	CG4090-PA [Drosophila melanog...]	33	6.7
Anopheles gambiae str. PEST [flies] taxid 180454			
gi 55246820 gb EAA02947.3 	ENSANGP00000012765 [Anopheles g...]	48	3e-04
gi 31202913 ref XP_310405.1 	ENSANGP00000005621 [Anopheles...]	36	0.80
gi 55240743 gb EAA09199.3 	ENSANGP00000003674 [Anopheles g...]	35	1.8
gi 31209367 ref XP_313650.1 	ENSANGP00000003674 [Anopheles...]	35	3.0
gi 55239564 gb EAA10559.3 	ENSANGP00000021579 [Anopheles g...]	33	8.8
Aspergillus nidulans FGSC A4 [ascomycetes] taxid 227321			
gi 40746670 gb EAA65826.1 	hypothetical protein AN1233.2 [...]	39	0.16
Cryptosporidium parvum [apicomplexa] taxid 5807			
gi 46229196 gb EAK90045.1 	hypothetical protein with trans...	36	0.80
gi 32399029 emb CAD98269.1 	hypothetical predicted transme...	36	0.80
gi 46226660 gb EAK87639.1 	hypothetical protein cgd4_1000 ...	33	8.8
Debaryomyces hansenii CBS767 [ascomycetes] taxid 284592			
gi 49656254 emb CAG88910.1 	unnamed protein product [Debar...]	36	1.0
Dictyostelium discoideum [eukaryotes] taxid 44689			
gi 10279676 emb CAC09932.1 	hypothetical protein [Dictyost...]	36	1.4
gi 5689718 emb CAB51908.1 	GDT1 protein [Dictyostelium dis...]	36	1.4
gi 28828050 gb AAO50734.1 	similar to Suppressor of mutant...	33	6.7
gi 28828585 gb AAO51188.1 	similar to Dictyostelium discoi...	33	6.7
gi 42733858 gb AAS38776.1 	similar to Plasmodium falciparu...	33	8.8
Ustilago maydis 521 [basidiomycetes] taxid 237631			
gi 46095841 gb EAK81074.1 	hypothetical protein UM00645.1 ...	35	1.8
Cryptococcus neoformans var. neoformans B-3501A [basidiomycetes] taxid 283643			
gi 50255415 gb EAL18150.1 	hypothetical protein CNBK1710 [...]	35	2.3
Apis mellifera (honeybee) [bees] taxid 7460			
gi 48125072 ref XP_393271.1 	similar to CG10573-PA [Apis m...]	35	2.3
gi 48097842 ref XP_391957.1 	similar to CG6621-PA [Apis me...]	35	3.0
Plasmodium yoelii yoelii [apicomplexa] taxid 73239			
gi 23490034 gb EAA21903.1 	unnamed protein product [Plasmo...]	35	2.3
gi 23483147 gb EAA18913.1 	Zinc finger, C3HC4 type, putati...	34	3.9
Candida glabrata CBS138 [ascomycetes] taxid 284593			
gi 49525820 emb CAG59439.1 	unnamed protein product [Candi...]	35	3.0
Enterococcus faecium [eubacteria] taxid 1352			
gi 43334 emb CAA34442.1 	unnamed protein product [Enteroco...]	35	3.0
gi 129375 sp P13692 P54_ENTFC	P54 protein precursor	35	3.0
Kluyveromyces lactis NRRL Y-1140 [ascomycetes] taxid 284590			
gi 50312469 ref XP_456268.1 	unnamed protein product [Kluy...]	35	3.0
Arabidopsis thaliana (thale-cress, ...) [eudicots] taxid 3702			
gi 7269308 emb CAB79368.1 	putative protein [Arabidopsis t...]	34	3.9
gi 8656003 gb AAF78276.1 	Contains similarity to formin bi...	34	5.2
gi 7767653 gb AAF69150.1 	F27F5.2 [Arabidopsis thaliana]	34	5.2
gi 15220921 ref NP_175113.1 	FF domain-containing protein ...	34	5.2
gi 6911876 emb CAB72176.1 	putative protein [Arabidopsis t...]	33	8.8
gi 25402640 pir C86244	DnaJ homolog, 47062-48761 [importe...]	33	8.8
Saccharomyces cerevisiae (yeast, ...) [ascomycetes] taxid 4932			
gi 511137 emb CAA84524.1 	Ipl2p [Saccharomyces cerevisiae]...	34	5.2
Ashbya gossypii ATCC 10895 [ascomycetes] taxid 284811			
gi 44983200 gb AAS52382.1 	AEL302Wp [Ashbya gossypii ATCC ...]	34	5.2
Caenorhabditis elegans (nematode) [nematodes] taxid 6239			
gi 54110843 emb CAB54501.3 	Hypothetical protein F07A11.6a...	34	5.2
gi 32563716 ref NP_496484.2 	RNA-binding region RNP-1 fami...	34	5.2

gi 7498508 pir T20531 hypothetical protein F07A11.6a - Ca...	34	5.2
Encephalitozoon intestinalis [microsporidia] taxid 58839		
gi 16611639 gb AAL27282.1 spore wall protein 2 precursor ...	34	5.2
synthetic construct [other sequences] taxid 32630		
gi 30585347 gb AAP36946.1 Homo sapiens splicing factor, a...	33	6.7
Bacillus cereus ZK [eubacteria] taxid 288681		
gi 52143518 ref YP_083311.1 multifunctional nonribosomal ...	33	6.7
Cotesia glomerata [hymenopterans] taxid 32391		
gi 51534973 dbj BAD37024.1 asparagine-rich cocoon silk pr...	33	6.7
Oryza sativa (japonica cultivar-group) (Japanese rice) [monocots] taxid 39947		
gi 31432589 gb AAP54204.1 putative gypsy-type retrotransp...	33	8.8
Dechloromonas aromatica RCB [b-proteobacteria] taxid 159087		
gi 46140329 ref ZP_00149581.2 COG3437: Response regulator...	33	8.8
Plasmodium berghei [apicomplexa] taxid 5821		
gi 56493036 emb CAI00172.1 conserved hypothetical protein...	33	8.8