




H. SAPIENS -----MPARALLPRRMGHRTLASTPALWASIPCPSELRLDLVLPSSGQ 43
M. MULATTA -----MPARALLPRRMGHRTLASAPALWASIPCPSELRLDLVLPSSGQ 43
B. TAURUS -----MEMSVVLLLRGSMGHRTLASFPALWASIPCPSELRLDLVLPSSGQ 45
M. MUSCULUS -----MLFRSWLPPSSMRHRTLSSSPALWASIPCPSELRLDLVLPSSGQ 43
R. NORVEGICUS -----MLFSSSLSSSMRHRTLSSPALWASIPCPSELRLDLVLPSSGQ 43
A. THALIANA MKRPRPTSQPSISSTVKPPLSPPVTPILKQKLHRTGTPKWFPLKLTHTLPLTFTPTGQ 60
D. MELANOGASTER -----MLAHLNLFHKKRLFSNMKAVLQDRGVIGLSLEECDLERTLLGGQ 44



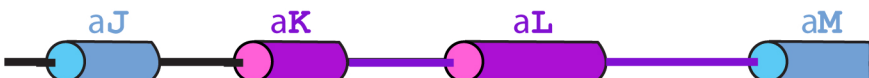
H. SAPIENS SFRWR---EQSPAHSWGLADQVWTLTQTEELHCTVYRGDKSQASRPTPDELEAVRKYF 100
M. MULATTA SFRWR---EQSPAHSWGLADQVWTLTQTEELHCTVYRGDKSQPGRPTPDELEAVRKYF 100
B. TAURUS SFRWR---EQSPAHSWGLADQVWTLTQTEELHCTVYRGDKGRVGRPTLEELKAVQYF 102
M. MUSCULUS SFRWK---EQSPAHSWGLADQVWTLTQTEEDQLYCTVYRGDQSVSRPTLEELTLHKYF 100
R. NORVEGICUS SFRWR---EQSPAHSWGLADQVWTLTQTEEDQLYCTVYRGDKGQVGRPTLEELTLHKYF 100
A. THALIANA TFRWK---KTGAIQYSGTIGPHLVSLRQRPDDAVSYC----VHCSTSPKSAELALLDFL 113
D. MELANOGASTER SFRWRSICDGNRTKYGGVFNTYVWLQQEESFITYEAYG---TSSPLATKDYSSLISDYL 101




H. SAPIENS QLDVTLAQLYHHWGSVDSHFQEVAAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVE 160
M. MULATTA QLDVTLAQLYHHWGSVDSHFQEVAAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVE 160
B. TAURUS QLDVSLAPLYHHWSSVDPHFQEVAAQKFQGVRLLRQDPIECLFSFICSSNNNIARITGMVE 162
M. MUSCULUS QLDVSLAQLYSHWASVDSHFQVAAQKFQGVRLLRQDPTCECLFSFICSSNNNIARITGMVE 160
R. NORVEGICUS QLDVSLTQLYSHWASVDSHFQVAAQKFQGVRLLRQDPTCECLFSFICSSNNNIARITGMVE 160
A. THALIANA NAEISLAELWSDFSKDPFRFELARHLRGARVLRQDPLECLIQFLCSSNNNIARITKMVD 173
D. MELANOGASTER RVDFDLKVNQKDWLSKDDNFVKFLS--KPVRLLSQEPFENIFSFCLCSQNNNIKRISSMIE 159



H. SAPIENS RLCQAFGPRLIQLDVVYHGFPSLQALAGPEVEAH---LRKLGGLYRARYVSASARAILE 217
M. MULATTA RLCQAFGPRLIQLDVVYHGFPSLQALAGPEVEAH---LRKLGGLYRARYVSASARAILE 217
B. TAURUS RLCQTFGPRLIQLDVVYHGFPSLQALAGPEVEAQ---LRNLGLYRARFVSASARAILE 219
M. MUSCULUS RLCQAFGPRLIQLDVVYHGFPNLHALAGPEAEETH---LRKLGGLYRARYVRSASAKAILE 217
R. NORVEGICUS RLCQAFGPRLVQLDDVVYHGFPNLHALAGPEVETH---LRKLGGLYRARYVCASAKAILE 217
A. THALIANA -FVSSGLHLGDIIDGFEPHFQFPLDRLS-RVSEEE---FRKAGFGYRAKYITGTVNALQA 228
D. MELANOGASTER WFCATFGTKIGHFNADAYTFPTINRFHDI PCEDLNAQLRAAKFGYRAKFAQTLLQEIQK 219



H. SAPIENS EQGG-LAWLQQLRESSYEEAHKALCILPGVGTKVADCICLMALDKPQAVPVDVHMWHIAQ 276
M. MULATTA EQGG-LPWLQQLREAS YEEAHKALCTLPGVGTKVADCICLMALDKPQAVPVDVHIWQIAQ 276
B. TAURUS ERGG-LPWLQQLRKAPYEEAHKALCTLPGVGTKVADCICLMALDKPQAVPVDVHVWQIAQ 278
M. MUSCULUS EQGG-PAWLQQLRVAPYEEAHKALCTLPGVGAKVADCICLMALDKPQAVPVDVHVWQIAH 276
R. NORVEGICUS EQGG-PAWLQQLRVAS YEEAHKALCTLPGVGTKVADCICLMALDKPQAVPVDIHWVQIAH 276
A. THALIANA KPGGGNEWLLSLRKVELQEAVALCTLPGVGPKVAACIALFSLDQHSAPVDTHVWQIAT 288
D. MELANOGASTER KGGQ--NWFISLKSMPFEKAREELTLLPGIGYKVADCICLMSMGHLESVPVDIHIYRIAQ 277



H. SAPIENS RDYSWHPTTSQAKGSPQTNKELGNFFRSLWGPYAGWAQAVLFSADLRQSRHAQE----P 332
M. MULATTA RDYSWHPTTSQAKGSPQSNKELGNFFRSLWGPYAGWAQAVLFSADLHQSHRAQE----P 332
B. TAURUS RDYSWHPTTSQAKGSPQANKELGNFFRNLWGPYAGWAQAVLFSADLRQLQQAQE----P 334
M. MUSCULUS RDYGWHPKTSQAKGSPPLANKELGNFFRNLWGPYAGWAQAVLFSADLRQPSLSRE----P 332
R. NORVEGICUS RDYGWQPKTSQTKGSPPLANKELGNFFRNLWGPYAGWAQAVLFSADLRQQLSRE----P 332
A. THALIANA ---NYLLPDLGAKLT PKLHGRVAEAFVSKYGEYAGWAQTLLFIAELPAQKTLQLQSFSQP 345
D. MELANOGASTER N--YYLPHLTGQKNVTKKIYEEVSKHFQKLHGKYAGWAQAILFSADLSQFQNTST----- 330

H. SAPIENS PAKRRKSGSKGPEG----- 345
M. MULATTA PAKRRKSGSGLEV----- 345
B. TAURUS PAKRRKCTGPEG----- 347
M. MUSCULUS PAKRRKSGSKRPEG----- 345
R. NORVEGICUS PAKRRKSGSKKTEG----- 345
A. THALIANA INKLDESAEVNETSCDTLKP 365
D. MELANOGASTER VACKKSKNKKPKK----- 343