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                 :                    : *  .            :  : :****** :** ::   :   :  ::  : .: . :        :..: .        .:. *: :*: .:* .:.****:*  :*****:**:***::
M.musculus  MRGQSLLTWVL-AAAVTCAQAQDVPPWTEDCRKS-TYPPSGPTYRGPVPWHTINLDLPPYKRWHELLAQKAPALRILVNSITSLVNTFVPS--GKLMKMVDQKLPGMIGSLPDPFGEEMRGIADVTGIPLGEIISFNIFYELFTMCTSII   150
H.sapiens   MPGRSCVALVLLAAAVSCAVAQHAPPWTEDCRKS-TYPPSGPTYRGAVPWYTINLDLPPYKRWHELMLDKAPVLKVIVNSLKNMINTFVPS--GKIMQVVDEKLPGLLGNFPGPFEEEMKGIAAVTDIPLGEIISFNIFYELFTICTSIV   150
D.rerio     MK----LVFRYNALFISIFIHALYVQGLEDCRSG-MYPPKGPTYRGNVTRYTVNLDLPPSERWTQIIKDKNTELIEMVQTIKDMAKGFFH---GKLVNFVDKELPFIVDTLPNPFNEEIKGIAAVSGIPLGEIALFNIFYEVFTVCTSLV   150
C.gigas     ----MWIPVVLSLSVVFWVGNCQFPPFNETCVSN-AYPPNK---TNAVPWYTINLDLPPKQRWTQVGQEKKAGIKKLLVSFIDFAKAWSENATGKVVDFLINEG-GKIDTLPQPYADEMRGLAEATGIPLGEIVLYNIFYELFTVCTSIV   150
C.elegans   --MLRELSVLLLVAVCAAKHVELPAPFKDHCILDDKQNLYDPSKQFDIKWYDVNLDLPPSERWVQIATANKEHIADLIGVLINLITPWFPN----AIDFVDDVFGDLAPKLAQPYRDEIFSIANATGIPLGQITMYNIFYEIFTVCTSVI   150
            1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150
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M.musculus  TEDEKGHLLHGRNMDFGIFLGWNINNNTWVVTEELKPLTVNLDFQRNNKTVFKATSFVGYVGMLTGFKPGLFSLSLNERFSINGGYLGILEWMFGRK-DAQWVGFITRSVLENTTSYEEAKNTLTKTKIMAPVYFILGGKKSGEGCVITR   300
H.sapiens   AEDKKGHLIHGRNMDFGVFLGWNINNDTWVITEQLKPLTVNLDFQRNNKTVFKASSFAGYVGMLTGFKPGLFSLTLNERFSINGGYLGILEWILGKK-DVMWIGFLTRTVLENSTSYEEAKNLLTKTKILAPAYFILGGNQSGEGCVITR   300
D.rerio     AEDNNGNIYHGRNLDFGLFMGWDRQNKTWTLTEKLKPLVVNINFERKNQTVFKSTSFAGYVGMLTGIRPGELTLTMNERFDFDGGYIGILDWIFGNR-DGMWTGFLTRRVLENSTSYEDAKDQLSQTKLLAPVYFILGGNRTGQGCVITR   300
C.gigas     AEDPSGKLFHVRNLDFGLFLGWDVKTKTWEITDALRPTVVNLDFQKGGKTVFKSVNFAGYIGILTAVKPGMFTLTMNERFNMDGGYIGVLEWILGIR-TGKWMGFLTRETMEKAGSYQEAVAMLSQTEMLAPAYFIVGGNKSGEGCVITR   300
C.elegans   AQDKDGHVFHARNLDFGLFMGWDPVLHDWQISQKLRKMIINVNWLKDGKLLYKSNNFAGYIGIYNGLKPNAFSLTADDRFQLVGGYYGILKWVFGLEADGKWMSWLARETLETKTTYLDAKEHLMNTPMLSPVYFILGGSKKDEGCIIAR   300
            .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300
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M.musculus  ERKESLDVYELDPKHGRWYVVQTNYDRWKNTLFIDDRRTPAKKCLNHTTQKNLSFATIYDVLSTKPVLNKLTVFTTLMDVTKGQFESHLRDCPDPCIGW   399
H.sapiens   DRKESLDVYELDAKQGRWYVVQTNYDRWKHPFFLDDRRTPAKMCLNRTSQENISFETMYDVLSTKPVLNKLTVYTTLIDVTKGQFETYLRDCPDPCIGW   399
D.rerio     TRINTLDIWELELMLGRWYVLETNYDHWDKPMFLDDRRTPAMKCMNQTTQANISLASIYNVLSTKPVLNKLTTYTSLMAVSTGTLESYVRDCPNPCTPW   399
C.gigas     SREKAIDVWRMDQANN-WYILETNYDHWENPLFLDDRRTPAHKCMQKTTSKNVSIKGLFNVLSSKPVLNKLTTYSALMQVNSGHLESWLQYCPDPCQPF   399
C.elegans   SLDKTALLTEMATSPHGWYLLETNYDQGTEDLYLDDRDTPGFRCMDKLTQKNVGFEGIFNVLSSRTNLNKLTTYTVLMSVETSRFETILQSCPGECYPW   399
            .......310.......320.......330.......340.......350.......360.......370.......380.......390.........
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