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M.musculus     ---------------------------------------------MALLDLAQEG-------------MALFGFVLFVVLWLMHFMSIIYTRLHLNKKATDKQPYSKLPGVSLLKPLKGVDPNLINNLETFFELDYPKYEVLLCVQDHD   150
H.sapiens      ---------------------------------------------MALLDLALEG-------------MAVFGFVLFLVLWLMHFMAIIYTRLHLNKKATDKQPYSKLPGVSLLKPLKGVDPNLINNLETFFELDYPKYEVLLCVQDHD   150
X.tropicalis   ---------------------------------------------MAVLDLALQG-------------LAIFGCVLFFVLWFMHFLSIVYTRLHLNKKVSDKQPYSKLPGVSLLKPLKGVDPNLINNLETFFELDYPKFEILLCVQDLD   150
D.rerio        ---------------------------------------------MALLDLALQG-------------FAIFGFLLFLVLWLMHLVSIIYVRLHLNKKTPDKMPYSKLAGVSLLKPLKGVDPNLINNLETFFELDYPKYEILLCVQDHD   150
C.gigas        ---------------------------------------------MSVAHYFAFS-------------LAIL-ILGGWFVWFMHILALIYGKYRLHHPIP--PPSEDLQGVSIIKPLVGVDPNLYFNLESFFTTVYPSFELLFCLQDES   150
C.elegans      MEAANEVVNLFASQATTPSSLDAVTTLETVSTPTFIFPEVSDSQILQLMPATLYSGMNWLRDHLDGFSLLALSGCIFVSVLYLVHIIAFFYSIYRLHHKVE---PDPTLPGVSVIKPIVGTDKNLYQNLESFFTSQYHSFELLFCFHSEE   150
               1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

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M.musculus     DPAIDVCKKLLGKYPNVDARLFIGGKKVGINPKINNLMPAYEVAKYDLIWICDSGIRVIPDTLTDMVNQMT--EKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRSYISANVTGFKCVTGMSCLMRKDVLDQAGGLIAFAQYIAEDYFM   300
H.sapiens      DPAIDVCKKLLGKYPNVDARLFIGGKKVGINPKINNLMPGYEVAKYDLIWICDSGIRVIPDTLTDMVNQMT--EKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRYYISANVTGFKCVTGMSCLMRKDVLDQAGGLIAFAQYIAEDYFM   300
X.tropicalis   DPAVDVCKKLLGKYPSVDAKLFIGGKKVGINPKINNLMPGYEVAKYDLIWICDSGIKVKPDTLTDMANQMT--EKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRSYISANVTGFKCVTGMSCLMRKEVLDQAGGLIAFAQYIAEDYFM   300
D.rerio        DPAIDVCKKLLGKYPNVDARLFIGGKKVGINPKINNLMPAYEGARYELVWICDSGIRVKPDTLTDMANQMT--EKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRSYISANVTGIKCVTGMSCLMRKDILDQAGGLIAFAQYIAEDYFM   300
C.gigas        DPALMVVKALMEKYPKVDAKIFIGVKYVGPNGKVNNMCKAYEAAKYDLIVISDSSILMKPDSLMDMMSFMK--PDVGLVLQMPYCCTRKGFAAVYEKVYFGTFQSRNCLSANSVGINCSTGMSCLFRKDILEKSGGLAPLGKYLAEDYFI   300
C.elegans      DEAIEVVRSLIKKHPNIEAKILFEGEPVGMNPKVNNMMPAYRAARYPLVLISDSAIFMRPDGILDMATTMMSHEKMASVTQIPYCKDRQGFHAAFEQIFFGTSHARLYLVGNFLGVVCSSGMSSMMKKSALDECGGMEKFGEYLAEDYFF   300
               .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

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M.musculus     AKAIADRGWRFSMSTQVAMQNSGSYSISQFQSRMIRWTKLRINMLPATIICEPISECFVASLIIGWAAHHVFRWDIMVFFMCHCLAWFIFDYIQLRGVQGGTLCFSKLDYAVAWFIRESMTIYIFLSALWDPTISWRTGRYRLRCGG---   450
H.sapiens      AKAIADRGWRFAMSTQVAMQNSGSYSISQFQSRMIRWTKLRINMLPATIICEPISECFVASLIIGWAAHHVFRWDIMVFFMCHCLAWFIFDYIQLRGVQGGTLCFSKLDYAVAWFIRESMTIYIFLSALWDPTISWRTGRYRLRCGG---   450
X.tropicalis   AKAIADRGWKFSMATQVAMQNSGCYSISQFQSRMIRWAKLRINMLPATIICEPISECFVASLIIGWAAHHIFRWDIMVFFMCHCLAWFIFDYIQLRGVQGGPLNFSKLDYAVAWFIRESMTIYIFLSALWDPTISWRTGRYRLRCGG---   450
D.rerio        AKAIADRGWKFSMATQVAMQNSGSYSIAQFQSRMIRWAKLRINMLPGTII-EPISECFVASLIIGWAAHHVFRWDIMVFFLCHCLAWFISDYIQLRGVQGGPPSFSKLDYAVAWFIRESMTIQIFLSALWDPTISWRAGRYRLRCGG---   450
C.gigas        SENIRKEGYKTVLCSQPAQQNSGQYNIGHFHQRLIRWSQLRISLLPHLILFEPLSECMLMGVIASWAAEYIFGISSMGFFLMHVLVWFLFDYALLTCVENGPLPFSKFEFLVAWILREVLSIWKGFSCTFVCSP--------LR------   450
C.elegans      AKALTSRGCKAAISTHPALQNSASVTVLSFFNRIGRWIKLRIAMMPHLMVVEPLQDCVTSGLIMAFGLNYLGGYSVYKTFGLHLFYWIVMDFSLMTSMQNGKFNFTPFLFVFIWLFREFTSPFIFIKAVLAPTIVWRNNKFKLSWGGRIR   450
               .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

M.musculus     TAEEILDV-----------   469
H.sapiens      TAEEILDV-----------   469
X.tropicalis   TAEEILDV-----------   469
D.rerio        TAEEILDV-----------   469
C.gigas        -------------------   469
C.elegans      TSKNSQKVPEAVSLSKGAV   469
               .......460.........
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