```
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|5174623|ref|NP_006016.1|      ----------------------------------------------------------MRACISLVLAVLCGLAWA-----------------------------------------EDHKESEPLPQLEEETEEALASNLYSAPTSC    49
gi|114645075|ref|XP_522366.2|    ----------------------------------------------------------MRACISLVLAVLCGLAWAGKIESCASRCNEKFNRDAACQCDRRCLWHGNCCEDYEHLC--TEDHKESEPLPQLEEETEEALASNLYSAPTSC    90
gi|73997020|ref|XP_851796.1|     ----------------------------------------------------------MRACVPLIVAALCSLAWAGNLESCASRCNEKFNRDAACQCDRRCHRHGDCCEDYEHLCSVEEDPKEPEPFLELEEEMLEAPPGHLYSAPSSC    92
gi|156120827|ref|NP_001095560.1| ----------------------------------------------------------MRACVPLTVAILCGLAWAGKRESCASRCNERFDRDAVCQCDRRCPQHGDCCEDYEQLCTAEENPKEPELFLELEEETEGAPASSLYLAPNSC    92
gi|109481253|ref|XP_001056619.1| MQQLYDHSSSNVNLELQSPAGLVCDWRICLGEIGSSRHCNVHSDGSGKPNGRSAAAAIMKACVPLIVAMLCGLTWAGNLESCASRCNERFNRDAVCQCDRRCPQHDDCCDDYEHLCTDEEGPPEPKALLDPEDE---IPASYLYSSPSSC   147
gi|6679429|ref|NP_032928.1|      ------------MLNCSIHVGQLKLVFNPEGAPLSLPFFTYFSFYIFWVQWAPNARMVENLSPGEIIFVLFCLSFPSSDLGKPSIFSVLSLLCQIGGWDGMCEYPFNTCACLQ----AEEGPPEPEAFLDPEDK---IPTSHLYSAPSSC   131
gi|123701195|ref|NP_001074167.1| ----------------------------------------------------------MKIILILC-------------------------------------------------------------------------------------LSITLIS    15
gi|17508001|ref|NP_492590.1|     ----------------------------------------------------------MCSVLIFIS-------------------------------------------------------------------------------------ILTVLAQC    17
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                 *                                        .   ::. *: ::::.: : * *:*  .:: :: *     : :  .  *  .   **. *. .*: **::  :::*:::::: **  *   ::   ::    **   :
gi|5174623|ref|NP_006016.1|      QGRCYEAFDKHHQCHCNARCQEFGNCCKDFESLCSD-HE-VSHSSDAITKEEIQSISEKIYRADTNKAQKEDIVLNSQNCISPSETRNQVDRCPKPLFTYVNEKLFSKPTYAAFINLLNNYQRATGHGEHFSAQELAEQDA--FLREIMK   195
gi|114645075|ref|XP_522366.2|    QGRCYEAFDKHHQCHCNARCQEFGNCCKDFESLCSD-HEGFSHSSDAITKEEIQSISEKIYRADTNKAQKEDIVLNSQNCISPSETRNQVDRCPKPLFTYVNEKLFSKPTYAAFINLLNNYQRATGHGEHFSAQELAEQDA--FLREIMK   237
gi|73997020|ref|XP_851796.1|     QARCHEAFDRHQPCHCDARCPEFGNCCQDFEGLCGH-HEGFSYSSDAITKEELQSISEKIYRADVNKAQKQDIILNSQNRISPSEARDQVDRCPEPLFTYVNEKLFSKPTFGAFINLLNKYERATGRGEHLGAQQLAEQDP--FLGGVMG   239
gi|156120827|ref|NP_001095560.1| QGRCLEAFDKHHSCHCNARCPEFGNCCEDFESLCG--HEGFSHSSDAITKEELQSVSEKIYRADTNKARKEDIVLNSQNCISPSETRDQVDRCPEPLFTYVNEKLFSKPTYSAFLNLLNNYQRATGRGEHFTAQELAEQDT--FLREIMK   238
gi|109481253|ref|XP_001056619.1| QGRCRETYDKHHPCHCNDRCLEFGNCCEDFGNLCGD-HEGFSHSSDAITKEELKSISETIYRVDINKAQKKDIVLNSQNQISPAETGNQVDRCPEPLFKYVNEKLFSKPTYAAFINLLNNYQRATGHGEHFSAQQLEEQVV--FLREVMK   294
gi|6679429|ref|NP_032928.1|      QGRCREAYDKHHPCHCNDRCPEFGNCCEDFDSLCGGDHEGFSHSSDAVTKEELESISETIYRVDTNKAQKEDIVLNSQNRISPSETGNQVDRSPEPLFTYVNEKLFSKPTYAAFINLLNNYQRATGHGEHFSAQQLEEQGV--FLREVMK   279
gi|123701195|ref|NP_001074167.1| QG----HFDS-----------------------------LDLSLANVSDAEIKSLSETLYKLDSNRATASELLIDPQTLIPSSQTGSGNDLSPQPLFKVVSSTLLSKPTYEAFLDLLDNYKKMTGEVEDVPSHEEQEQDS--FLQQTMN   129
gi|17508001|ref|NP_492590.1|     QK--------------------------------------IPRFDVSNSELLAMAQKLRQVDTNRARPDQIKLNYQG---HTVTRDDSDAAQAKLFSKVDTSLFRKPSYELYINLMDNFNRQTGVIEPRVSQAEEKNEVGKFLDYVLE   124
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                 .   :** .::: :.     * . *   :  :**. ***.   . *:*****:* ** * *:::*:*.*::**  *::   ::  : :      :  : .::*.***  *. ** :** ****:*:*::*:::* *:  *.:.:* .*
gi|5174623|ref|NP_006016.1|      TAVMKELYSFLHHQNR--YGSEQEFVDDLKNMWFGLYSRGN-EEGDSSGFEHVFSGEVKKGKVTGFHNWIRFYLEEKEGLVDYYSHIYDGPWDSYPDVLAMQFNWDGYYKEVGSAFIGSSPEFEFALYSLCFIARPGK-VCQLSLGGYPL   341
gi|114645075|ref|XP_522366.2|    TAVMKELYSFLHHQNR--YGSEQEFVDDLKNMWFGLYSRGN-EEGDSSGFEHVFSGEVKKGKVTGFHNWIRFYLEEKEGLVDYYSHIYDGPWDSYPDVLAMQFNWDGYYKEVGSAFIGSSPEFEFALYSLCFIARPGK-VCQLSLGGYPL   383
gi|73997020|ref|XP_851796.1|     PAVLKELDGFLRQQNR--YSSEQEFVNDLKNMWFGLYSRGN-EEKDSSGFEHVFSGEIKKGKVTGFHNWIRFYMQEKEGLVDYYSHIYDGPWDSYPDVLAMQFNWDGYYKEVGSAFIGSSPEFEFALYSLCFIARPGK-LCQLSLGGYPL   385
gi|156120827|ref|NP_001095560.1| TAVMKELYGFLHQQNR--YSSEQEFVSDLKNMWFGLYSRSK-EERDSSGFEHVFSGEVKKGKVTGFHNWIRFYMQEKEGLVDYYSHIYDGPWDSYPDVLAMQFNWDGYYKEVGSAFIGSSPEFEFALYSLCFIARPGK-VCQLSLGGHPL   384
gi|109481253|ref|XP_001056619.1| TAVMKELYSFLRHQNR--YGSQQEFVEDLKNMWFGLYSRGN-EEGDSSGFEHVFSGEVKKGKVTGFHNWIRFYLQEKEGLLDYYSHNYDGPWDSYPDVLAMQFNWDGYYKEVGSVFIGSSPEFEFALYSLCFITRPGK-KCHLSLGGYPL   440
gi|6679429|ref|NP_032928.1|      TAVMKELYSFLHHQNR--YSSEQEFVDDLKNMWFGLYSRGN-DEGDSSGFEHVFSGEVKKGKVTGFHNWIRFYLQEKEGLLDYYSHNYDGPWDSYPDVLAMQFNWDGYYKEVGSVFIGSSPEFEFALYSLCFITRPGK-KCHLSLGGYPL   425
gi|123701195|ref|NP_001074167.1| TNLGKELFNFLHSKGV--YGSQSEFLQDLKMMWFGLYSRSDGVKLDSSGFEHIFVGEIKGGKVSGFHSWVQFYQCEKQGILNYYSHSFDGPWTTYPDVLGMQFNWDGYFKELGSAFIGCSPEFDLAIYSLCYITRPGK-KCDVSLGGHSL   276
gi|17508001|ref|NP_492590.1|     SRPMQELYNWFKAKGHPIATSPQVFRFWIGQLWFSHYSRAL-GRPDTSGFEHVFIGEAKNGEISGMHNWVRFYVLENNRTENFDYKGFT--VKRFNIMAALKFTWDGLLKRAGSILIGTSPEFDMALYTMCFLSRRGRETCDVEFDGCPL   271
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

                                  : ::   : .     .    :*  ::
gi|5174623|ref|NP_006016.1|      AVRTYTWDKSTYGNGKKYIATAYIVSST--------   369
gi|114645075|ref|XP_522366.2|    AVRTYTWDKSTYGNGKKYIATAYIVSST--------   411
gi|73997020|ref|XP_851796.1|     AIQTYPWDKSTYGNGKKYIATAYVVSSTQ-------   414
gi|156120827|ref|NP_001095560.1| AIQTYTWNKSTYGNGKKYIATAYVVSSTH-------   413
gi|109481253|ref|XP_001056619.1| AIQTYTWDKTTYGNGKKYIATAYVVSSTQ-------   469
gi|6679429|ref|NP_032928.1|      AIQTYTWDKTTYGNGKKYIATAYVVSSSQ-------   454
gi|123701195|ref|NP_001074167.1| GIQTYTWDKSSYGDGKKFIGSAYPITP---------   303
gi|17508001|ref|NP_492590.1|     QITSFEIMQQNKVYIGSIYPTAGRITDQCRAQNRFN   307
                                 .......460.......470.......480......
```