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                                                                                                                                                                                                                                         
gi|133778953|ref|NP_032501.2|    ------------------------------------------------------------------------------------------------------------------------------------::**.   .  :***..**  ** :: :**: : .   .   .:***.*:***.* * ** ::.    .*  :*
gi|57012360|ref|NP_001008806.1|  ------------------------------------------------------------------------------------------------------------------------------------MIARQSSVRGASRGFSSGSAIAGGVKRVAFSSGSMSGGAGRCSSGGFGSRSLYNLGGHKSISMS---VAGSCQGGG   73
gi|57012360|ref|NP_001008806.1|  ------------------------------------------------------------------------------------------------------------------------------------MISRQSSVRGVSRGFSSGSAVAGGVKRVAFSSASMSGGAGRCSSGGFGSRSLYNLGGHKSISMS---VAGSCQGGG   73
gi|109255249|ref|NP_002263.2|    MTSVGVFSDMLNGCGKDGLVPRAKPRDVSDFSLYAPATKPCCSRTYKRRRLRAPALTGLGPVTSLIAPSSLSAAMIARQQCVRGGPRGFSCGSAIVGGGKRGAFSSVSMSGGAGRCSSGGFGSRSLYNLRGNKSISMS---VAGSRQGAC  147
gi|148356276|ref|NP_001091855.1| ------------------------------------------------------------------------------------------------------------------------------------MIARQQYVRGGPRGFSCGSAIVGGVKKAAFSSASMSGGAGRCSSGGFGSRSLYNLGGNKSISIS---MAGCRQGAG   73
gi|118129660|ref|XP_001231586.1| ------------------------------------------------------------------------------------------------------------------------------------MSRQS--SAFKKGFSSSSACLGGKNKVTFSTVARGCRGPAGNAGGFSSHSLYSLGGCKSTALGGFGAGGICRGFG   73
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                  *. *          *** *   ***.***   *.*.* *  **. **.***:************:.:********:** ***:.* ************:*************:***:*:.*** :.*:* **:*:. ***:.* *..:*
gi|133778953|ref|NP_032501.2|    YGGAGGFG-VGGYGAGFGAG---GFGGGFG---GSFNGRGGPGFPVCPAGGIQEVTINQSLLTPLQVEIDPEIQKIRTAEREQIKTLNNKFASFIDKVRFLEQQNKVLETKWNLLQQQTTTTSPKSLDPFFETYINALRKNLDTLSNDKG  216
gi|57012360|ref|NP_001008806.1|  YGGAGGFG-VGGYGAGFGAG---GFGGGFG---GSFNGRGGPGFPVCPAGGIQEVTINQSLLTPLQVEIDPEIQKIRTAEREQIKTLNNKFASFIDKVRFLEQQNKVLETKWNLLQQQTTTTSPRNLDPFFETYINALRKNLDTLSNDKG  216
gi|109255249|ref|NP_002263.2|    FGGAG----------GFGTG---GFGGGFG---GSFSGKGGPGFPVCPAGGIQEVTINQSLLTPLHVEIDPEIQKVRTEEREQIKLLNNKFASFIDKVQFLEQQNKVLETKWNLLQQQTTTTSSKNLEPLFETYLSVLRKQLDTLGNDKG  281
gi|148356276|ref|NP_001091855.1| FGAAGGFGAAGGFGSGFGAG---GFGSGFG---GSFGGRGGAGFPVCPAGGIQEVTINQSLLTPLHVEIDPEIQKVRTEEREQIKLLNNKFASFIDKVRFLEQQNKVLETKWKLLQQQTTTTSVKNLEPFFEAYINALRKQVDSLANDKG  217
gi|118129660|ref|XP_001231586.1| AGGQG-FGYGVGNGIGFGGGAGCGFGGGFGGFGGGFDG-GVGGFAQCPPGGIKEVTINQSLLTPLHLEIDPEIQKVRTQEREELKTLNNKFASFIDKVRFLEQQNKVLETKWKLLQEQSPTTSTRSLDPYFEAYISRLRKQLDGLSSEKI  221
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                 :*:**** :** ***:*****:*****:*******:******..*: ****:**:::* **:** : ** :**.***. ************** ****.*****:****:**.:*: *.*: ** * ::** :..:***.*: ** **:*
gi|133778953|ref|NP_032501.2|    RLQSELKMMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVDAAYMIKVELEAKMESLKDEINFTRVLYEAELAQMQTHVSDTSVVLSMDNNRNLDLDGIIAEVRAQYEDIARKSKAEVESWYQIKVQQLQMSADQHGDSLKTTKNEISE  366
gi|57012360|ref|NP_001008806.1|  RLQSELKLMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVDAAYMIKVELEAKMESLKDEINFMRVLYEAELSQMQTHVSDTSVVLSMDNNRNLDLDGIIAEVRAQYEEIARKSKAEVESWYQIKVQQLQMSADQHGDSLKSTKNEISE  366
gi|109255249|ref|NP_002263.2|    RLQSELKTMQDSVEDFKTKYEEEINKRTAAENDFVVLKKDVDAAYLNKVELEAKVDSLNDEINFLKVLYDAELSQMQTHVSDTSVVLSMDNNRNLDLDSIIAEVRAQYEEIAQRSKAEAEALYQTKVQQLQISVDQHGDNLKNTKSEIAE  431
gi|148356276|ref|NP_001091855.1| RLQSELKIMQDSVEDYKTKYEDEINKRAAAENDFVVLKKDVDAAYMNKVELEAKVDALNDEINFLRVLYAAELSQMQTQVSDTSVVLSMDNNRNLDLDSIIAEVRAQYEEIAQRSKAEAEALYQIKVQQLQTSVDQHGDSLRNTKNEISE  367
gi|118129660|ref|XP_001231586.1| QLESELKSFQDMVEDFKTKYEEEINKRTAAENDFVLLKKDVDGVYMNKVELQAKLDSLADELNFLRNLYETELCQMQKTVSDTSVVLSMDNNRCLDLDSIIAEVKAQYEEIANRSRLEAEAWYQSKYKELQATAGKHGDSLRDTKAEISE  371
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

                                 ***:***:*:****:**  :::* *:******** *****  * .:**:**::** :**: :*:** **.******:************* ******:* ******.*::* **       ** . **  .*
gi|133778953|ref|NP_032501.2|    LNRMIQRLRAEIENIKKQSQTLQASVADAEQRGELALKDAYSKRAELETALQKAKEDLARLLRDYQALMNVKLALDVEIATYRKLLEGEECRMSGECKSAVSISVVGGSASIGGSG-----LGLGSGFCSGSG----------------  494
gi|57012360|ref|NP_001008806.1|  LNRMIQRIRSEIENIKK--QTLQASVADAEQRGELALKDAYTKRADLETALQKAKEDLARLMRDYQELMNVKLALDVEIATYRKLLEGEECRMSGECKSAVSISVVGGSASIGGSGGI--GLGLGSGFGSGSC----------------  495
gi|109255249|ref|NP_002263.2|    LNRMIQRLRAEIENIKKQCQTLQVSVADAEQRGENALKDAHSKRVELEAALQQAKEELARMLREYQELMSVKLALDIEIATYRKLLEGEEYRMSGECQSAVSISVVSGSTSTGGISG---GLGSGSGFGLSSG----------------  561
gi|148356276|ref|NP_001091855.1| LNRLIQRLRAEIENVKKQCQTLQGSVADAEQRGEVALKDAYSKRTELEAALQKAKEELARVLREYQELMSVKLALDIEIATYRKLLEGEECRMSGECQSAVSISVVGGAASAGGLGG---ALGGSSGFGLGSGSCAVGLGGGLGGSSGFG  514
gi|118129660|ref|XP_001231586.1| LNRVIQRLRAEIENVKKQCESVQSSIADAEQRGELALKDARDKLTELETALKKAKADLAQQLRDYQELMNVKLALDIEIATYRKLLEGEECRMSGECQSNVSISVVGGSSSIGGGYGGGLCLGGGLGFGSGSG----------------  504
                                 .......460.......470.......480.......490.......500.......510.......520.......530.......540.......550.......560.......570.......580.......590.......600

                                    * .* **  .: *      ..  :  :  : *.
gi|133778953|ref|NP_032501.2|    ----SGSGFGFGGGIYG------GSGSKITSSATITKRSPR----------   525
gi|57012360|ref|NP_001008806.1|  ----SGSGFGFGGGIYG------SSGTKITSSATITKRSPRTRQDPDGLQP   536
gi|109255249|ref|NP_002263.2|    FGSGSGSGFGFGGSVSG------SSSSKIISTTTLNKRR------------   594
gi|148356276|ref|NP_001091855.1| LGSGSGSGFGFGGGIGG------SSSGKIISTTTVSKKSFR----------   549
gi|118129660|ref|XP_001231586.1| RGSCSTGGAGFCYSLGGGGFSYRTGSSVVLRSGGVLKNSSVSARRP-----   550
                                 .......610.......620.......630.......640.......650.
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