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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              
gi|120444922|ref|NP_659032.2|     ----------------------------------------------------------------MGSDVRDLNALL-PAVSSLGGGGGGCGLPVS-GAAQWAPVLDFAPPG------ASAYGSLGGPAPPPAPPPPPPPP-HSFIK    73
gi|13928720|ref|NP_113722.1|       ----------------------------------------------------------------MGSDVRDLNALL-PAVSSLGGGGG-CGLPVS-GARQWAPVLDFAPPG------ASAYGSLGGPAPPPAPPPPPPPP-HSFIK    72
gi|65508004|ref|NP_077744.3|       MQDPASTCVPEPASQHTLRSGPGCLQQPEQQGVRDPGGIWAKLGAAEASAERLQGRRSRGASGSEPQQMGSDVRDLNALL-PAVPSLGGGGG-CALPVS-GAAQWAPVLDFAPPG------ASAYGSLGGPAPPPAPPPPPPPPPHSFIK   141
gi|114636828|ref|XP_001138640.1|  ------------------------MERPSLLAPPPPRAAGPSYLSFGKLRAARQLGAGTAAQAPGPRRLLAAILDFLLLQDPASTCVPEPASQHTLRSGPGCLQQPEQQGVRDPGGIWAKLGAADASAERLQGRRSRGASGSEP-QQMGS   125
gi|45382589|ref|NP_990547.1|       ----------------------------------------------------------------MGSDVRDLNALL-PSVPSLPGNSN-CAMPVS-SAAQWAPVLDF-PPG------ASYGSLG-------------P-HSFIK    56
gi|18859571|ref|NP_571121.1|       ----------------------------------------------------------------MGSDVRDLNTLL-PPVPPLPGGNGNCTLPVS-STPQWPPMLDF-HTG------APYGSLAQ--------------HSFIK    57
                                   1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                   :****. ::***:    *****:*********. *****.**.*..**....*.***.: ***..*::** : *****.**:***:..********:.** ********.: **  .:*:***.***********:*:**********.**
gi|120444922|ref|NP_659032.2|     QEPSWGGAEPHEEQC--LSAFTLHFSGQFTGTAGACRYGPFGPPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQGYSTVTFDGAPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPY   221
gi|13928720|ref|NP_113722.1|       QEPSWGGAEPHEEQC--LSAFTLHFSGQFTGTAGACRYGPFGPPPPSQASSGQARMFPNAPYLPSCLESQPSIRNQGYSTVTFDGAPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPY   220
gi|65508004|ref|NP_077744.3|       QEPSWGGAEPHEEQC--LSAFTVHFSGQFTGTAGACRYGPFGPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQGYSTVTFDGTPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPY   289
gi|114636828|ref|XP_001138640.1|  DEPSWGGAEPHEEQC--LSAFTVHFSGQFTGTAGACRYGPFGPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQGYSTVTFDGTPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDSCTGSQALLLRTPY   273
gi|45382589|ref|NP_990547.1|       QEPSWNGSDPHEEQY--LSAFTVHFSGQFTGTAGACRYGPFGAPPPSQPPSGQARMFPQRPYLPNCLESQQAIRNQGYGTVAFDGTPSYGHTPSHHAAQFQNHSFKHEDPMSQQPSLGDQQYSVPPPVYGCHTPTDTCTGSQALLLRTPY   204
gi|18859571|ref|NP_571121.1|       QEPSWGTADPHEDPHCGLSAFTVHFSGQFTGTG-ACRYGAFGAPAASQPPPSQPRMFSMSPYLSNCMDSQSSSRNQGYGTVAFDGASNYGHTPSHHTPQFPNHSFKHEDSITQQSNMGDQQYPVPPPVYGCHTPSDSCTGSQALLLRNPY   206
                                   .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                   .* ******:*:**** ** :* *.:*:*.                *  ***.:  ::*::  *.:************:******.*::*::***: **.****************************************.** ******
gi|120444922|ref|NP_659032.2|     SS-DNLYQMTSQLECMTWNQMN-LGATLKGMAAGSSSSVKWTEGQSNHGTGYESENHTAPIL--CGAQYRIHTHGVFRGIQDVRRVSGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRS   367
gi|13928720|ref|NP_113722.1|       SS-DNLYQMTSQLECMTWNQMN-LGATLKGMAAGSSSSVKWTEGQSNHGTGYESENHTTPIL--CGAQYRIHTHGVFRGIQDVRRVSGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRS   366
gi|65508004|ref|NP_077744.3|       SS-DNLYQMTSQLECMTWNQMN-LGATLKGVAAGSSSSVKWTEGQSNHSTGYESDNHTTPIL--CGAQYRIHTHGVFRGIQDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRS   435
gi|114636828|ref|XP_001138640.1|  SS-DNLYQMTSQLECMTWNQMN-LGATLKGVAAGSSSSVKWTEGQSNHGTGYESDNHTTPIL--CGAQYRIHTHGVFRGIQDVRRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRS   419
gi|45382589|ref|NP_990547.1|       NS-DNLYQMTSRLECMTWNQMN-LGSTLKG----------------HTTGYENENHSAPMLYSCGAQYRIHTHGVFRGIQDVRRVPGVAPTIVRSASETNEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRS   335
gi|18859571|ref|NP_571121.1|       NSSDNLYQMASQLECMGWNPVNSLASTIKS----------------HPGGYESD-PSTPMVYSCSTQYRIHTHGVFRGLQDVRRVPGITPAIVRST-ETNEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFTDCGRRFSRS   337
                                   .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

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gi|120444922|ref|NP_659032.2|     DQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCRWHSCQKKFARSDELVRHHNMHQRNMTKLQLAL   449
gi|13928720|ref|NP_113722.1|       DQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCRWHSCQKKFARSDELVRHHNMHQRNMTKLHVAL   448
gi|65508004|ref|NP_077744.3|       DQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCRWPSCQKKFARSDELVRHHNMHQRNMTKLQLAL   517
gi|114636828|ref|XP_001138640.1|  DQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTG---EKPFSCRWPSCQKKFARSDELVRHHNMHQRNMTKLQLAL   498
gi|45382589|ref|NP_990547.1|       DQLKRHQRRHTGVKPFQCKTCQRKFSRSDHLKTHTRTHTGKTSEKPFSCRWPSCQKKFARSDELVRHHNMHQRNMTKLQLAL   417
gi|18859571|ref|NP_571121.1|       DQLKRHQRRHTGVKPFQCETCQRKFSRSDHLKTHTRTHTGKTSEKPFNCRWPNCQKKFARSDELVRHHNMHQRNLTKLQLTI   419
                                   .......460.......470.......480.......490.......500.......510.......520.......530..
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