```
gi|17865343|ref|NP_446025.1|     ----------------------------------------------------------------------------------------------------MSVPLLK------------------IGVVLSTMAMITNWMSQ   150
gi|45382111|ref|NP_990098.1|     ----------------------------------------------------------------------------------------------------MSVPLLK------------------IGVVLSTMAMITNWMSQ   150
gi|84370353|ref|NP_001033702.1| ----------------------------------------------------------------------------------------------------MQPARK------------------LLSLLVLLVMGT-----   150
gi|17136143|ref|NP_055094.1|     ----------------------------------------------------------------------------------------------------MPG------------------RWRWQRDMHPARKLLSL   150
gi|73967783|ref|XP_537805.2|     MPGRTPLALTRWKVCGCKAISGVREHAPGPAGDDTVSSSMAASSKPSSQEMCSQGHSGAALWDQEGHVPQRDTLHPSARSGGMAGLVHLRGRRRGTNIYLSSHSACKFVAVTLLEKKKLRPLGSSADCGSYCCLAVAAVEDVRVCQAWSR   150
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|17865343|ref|NP_446025.1|     TLPSLVGLNTTRLSAASGGTLDRSTGVLPTNPE-----------------------------------ESWQVYSSAQDSEGR---------------CICTVVAPQQTMCSRDARTKQLR---------------QLLEKVQNMSQS   300
gi|45382111|ref|NP_990098.1|     TLPSLVGLNTTKLTAASGGTLDRSTGVLPTNPE-----------------------------------ESWQVYSSAQDSEGR---------------CICTVVAPQQTMCSRDARTKQLR---------------QLLEKVQNMSQS   300
gi|84370353|ref|NP_001033702.1| ---------------------ELTQVLPTNPE-----------------------------------ESWQVYSSAQDSEGR---------------CICTVVAPQQTMCSRDARTKQLR---------------QLLEKVQNMSQS   300
gi|17136143|ref|NP_055094.1|     LFLILMG-------------TELTQVLPTNPE-----------------------------------ESWQVYSSAQDSEGR---------------CICTVVAPQQTMCSRDARTKQLR---------------QLLEKVQNMSQS   300
gi|73967783|ref|XP_537805.2|     VPPPWRPAGCTQPAEGGSEGRAREANVSTSQVETWELVLGDTPASPPPPSPLPRVSVARGSLCATRQPFSQTFGTPSQARGAEAPGAEGAGPESRERVRVHAAPAPAPGLRMPGRRPWQRDMQPARKLLSLLFLILMGTELTQVQNMSQS   300
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                 **********************:***:**:********************:*******************************************:***.***************************:*:******************
gi|17865343|ref|NP_446025.1|     IEVLDRRTQRDLQYVEKMENQMKGLESKFRQVEESHKQHLARQFKAIKAKMDELRPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDELQSRVSNLEERLRACMQKLACGKLTGISDPVTVKTSGSRFGSWMTDPLAPE   450
gi|45382111|ref|NP_990098.1|     IEVLDRRTQRDLQYVEKMENQMRGLESKFKQVEESHKQHLARQFKAIKAKMEELRPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYEELQNRVSNLEERLRACMQKLACGKLTGISDPITIKTSGSRFGSWMTDPLAPE   450
gi|84370353|ref|NP_001033702.1| IEVLDRRTQRDLQYVEKMENQMKGLETKFKQVEESHKQHLARQFKAIKAKMDELRPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDELQSRVSNLEERLRACMQKLACGKLTGISDPVTVKTSGSRFGSWMTDPLAPE   450
gi|17136143|ref|NP_055094.1|     IEVLDRRTQRDLQYVEKMENQMKGLESKFKQVEESHKQHLARQFKAIKAKMDELRPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDELQSRVSNLEERLRACMQKLACGKLTGISDPVTVKTSGSRFGSWMTDPLAPE   450
gi|73967783|ref|XP_537805.2|     IEVLDRRTQRDLQYVEKMENQMKGLESKFKQVEESHKQHLARQFKAIKAKMDELRPLIPVLEEYKADAKLVLQFKEEVQNLTSVLNELQEEIGAYDYDELQSRVSNLEERLRACMQKLACGKLTGISDPVTVKTSGSRFGSWMTDPLAPE   450
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

                                 *:*:*****.*************.***.****************************:****:****************************************.****************:*:*** :** ******************
gi|17865343|ref|NP_446025.1|     GDNRVWYMDGYHNNRFVREYKSMVDFMNTDNFTSHRLPHPWSGTGQVVYNGSIYFNKFQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDLMVDENGLWAVYATNQNAGNIVISKLDPVSLQILQTWNTSYPKRSAGEAFI   600
gi|45382111|ref|NP_990098.1|     GENKVWYMDSYHNNRFVREYKSMADFMNTDNFTSHRLPHPWSGTGQVVYNGSIYFNKYQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDLMVDENGLWAVYATNQNAGNIVISKLDPNTLQSLQTWNTSYPKRSAGEAFI   600
gi|84370353|ref|NP_001033702.1| GDNRVWYMDGYHNNRFVREYKSMVDFMNTDNFTSHRLPHPWSGTGQVVYNGSIYFNKFQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDLMVDENGLWAVYATNQNAGNIVISKLDPVSLQILQTWNTSYPKRSAGEAFI   600
gi|17136143|ref|NP_055094.1|     GDNRVWYMDGYHNNRFVREYKSMVDFMNTDNFTSHRLPHPWSGTGQVVYNGSIYFNKFQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDLMVDESGLWAVYATNQNAGNIVVSRLDPVSLQTLQTWNTSYPKRSAGEAFI   600
gi|73967783|ref|XP_537805.2|     GDNRVWYMDGYHNNRFVREYKSMTDFMTTDNFTSHRLPHPWSGTGQVVYNGSIYFNKFQSHIVIRFDLKTETILKTRSLDYAGYNNMYHYAWGGHSDIDLMVDENGLWAVYATNQNAGNIVISKLDPVSLQVLQTWNTSYPKRSAGEAFI   600
                                 .......460.......470.......480.......490.......500.......510.......520.......530.......540.......550.......560.......570.......580.......590.......600

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gi|17865343|ref|NP_446025.1|     ICGTLYVTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQTLYNVTLFHVIRSDEL   678
gi|45382111|ref|NP_990098.1|     ICGTLYVTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSDEL   678
gi|84370353|ref|NP_001033702.1| ICGTLYVTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQTLYNVTLFHVIRSDEL   678
gi|17136143|ref|NP_055094.1|     ICGTLYVTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSDEL   678
gi|73967783|ref|XP_537805.2|     ICGTLYVTNGYSGGTKVHYAYQTNASTYEYIDIPFQNKYSHISMLDYNPKDRALYAWNNGHQILYNVTLFHVIRSDEL   678
                                 .......610.......620.......630.......640.......650.......660.......670.......
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