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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|21536452|ref|NP_002762.2|      ----------:         .:           :.::****      . ******. * **** *:*..**::*.** :     .*  :    .* :..*      *::
gi|114624445|ref|XP_001155576.1| MPRTLAGTGKGGQVLKGAGGCQAWRSGAGRGAAGRGGAGLELHPLLGGRTWRAARDADGCEALGTVAVPF-DDDDKIVGGYTC-ENSLPYQVSLNSGSHFCGGSLISEQWVVSAAHCYKTRIQVRLGEHN--IKVLEGNEQFINAAKIIR   150
gi|4506145|ref|NP_002760.1|       ----------MNPLLILTFVAAA-----------LAAPF-DDDDKIVGGYNCEENSVPYQVSLNSGYHFCGGSLINEQWVVSAGHCYKSRIQVRLGEHN--IEVLEGNEQFINAAKIIR   150
gi|27819626|ref|NP_777115.1|      ----------MHPLLILAFVGAA-----------VAFPS-DDDDKIVGGYTCAENSVPYQVSLNAGYHFCGGSLINDQWVVSAAHCYQYHIQVRLGEYN--IDVLEGGEQFIDASKIIR   150
gi|6678439|ref|NP_033456.1|       ----------MSALLILALVGAA-----------VAFPV-DDDDKIVGGYTCRESSVPYQVSLNAGYHFCGGSLINDQWVVSAAHCYKYRIQVRLGEHN--INVLEGNEQFVDSAKIIR   150
gi|6981420|ref|NP_036767.1|       ----------MSALLILALVGAA-----------VAFPL-EDDDKIVGGYTCPEHSVPYQVSLNSGYHFCGGSLINDQWVVSAAHCYKSRIQVRLGEHN--INVLEGDEQFINAAKIIK   150
gi|45382397|ref|NP_990715.1|      ----------MKFLFLILSCLGAA-----------VAFPGGADDDKIVGGYTCPEHSVPYQVSLNSGYHFCGGSLINSQWVLSAAHCYKSRIQVRLGEYN--IDVQEDSEVVRSSSVIIR   150
gi|158298970|ref|XP_319102.4|     --------------LVAAIKMNLWFTTLS--------SVTVLVSFTIVSVVGCSR---------SAENYDHTNGERIVGGVPVDIRDYPYQVSLRRGRHFCGESIIDSQWILTAAHCTRTINARNLWIHVGSSHVNDGGE-SVRVRRILH   150
                                  1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                  **: .  : : *: *::*      .  : .:.*  *::            .*          : .  *:.  .*:  . .*.  *   *.:*..*:*.*: ******** *****:.*:*:* *:**** ***  . ****:** .
gi|21536452|ref|NP_002762.2|      HPKYNRDTLDNDIMLIKLSSPAVINARVSTISL--PTAPPAA-----GTECLISGWGN-TLSFGADYPDELKCLDAPVLTQAECKASYP--GKITNSMFCVGFLEGGKDSCQRDSGGPVVCNGQLQGVVSWGHGCAWKNRPGVYTKVYNY   300
gi|114624445|ref|XP_001155576.1| HPKYNRDTLDNDIMLIKLSSPAVINARVSTISL--PTAPAAP-----KGGXLFSXXXPXLLLVVTDYPDELKCLDAPVLTQAECKASYP--GKITNSMFCVGFLEGGKDSCQRDSGGPVVCNGQLQGVVSWGHGCAWKNRPGVYTKVYNY   300
gi|4506145|ref|NP_002760.1|       HPQYDRKTLNNDIMLIKLSSRAVINARVSTISL--PTAPPAT-----GTKCLISGWGN-TASSGADYPDELQCLDAPVLSQAKCEASYP--GKITSNMFCVGFLEGGKDSCQGDSGGPVVCNGQLQGVVSWGDGCAQKNKPGVYTKVYNY   300
gi|27819626|ref|NP_777115.1|      HPKYSSWTLDNDILLIKLSTPAVINARVSTLAL--PSACASG-----STECLISGWGN-TLSSGVNYPDLLQCLEAPLLSHADCEASYP--GEITNNMICAGFLEGGKDSCQGDSGGPVACNGQLQGIVSWGYGCAQKGKPGVYTKVCNY   300
gi|6678439|ref|NP_033456.1|       HPNYNSWTLDNDIMLIKLASPVTLNARVASVPL--PSSCAPA-----GTQCLISGWGN-TLSNGVNNPDLLQCVDAPVLPQADCEASYP--GDITNNMICVGFLEGGKDSCQGDSGGPVVCNGELQGIVSWGYGCAQPDAPGVYTKVCNY   300
gi|6981420|ref|NP_036767.1|       HPNYSSWTLNNDIMLIKLSSPVKLNARVAPVAL--PSACAPA-----GTQCLISGWGN-TLSNGVNNPDLLQCVDAPVLSQADCEAAYP--GEITSSMICVGFLEGGKDSCQGDSGGPVVCNGQLQGIVSWGYGCALPDNPGVYTKVCNF   300
gi|45382397|ref|NP_990715.1|      HPKYSSITLNNDIMLIKLASAVEYSADIQPIAL--PSSCAKA-----GTECLISGWGN-TLSNGYNYPELLQCLNAPILSDQECQEAYP--GDITSNMICVGFLEGGKDSCQGDSGGPVVCNGELQGIVSWGIGCALKGYPGVYTKVCNY   300
gi|158298970|ref|XP_319102.4|     HPKQNSWS-DYDFSLLHLDQPLNLSESVQPIPLRKPSASEPTGELSDGTLCKVSGWGN--THNPDESALVLRAATVPLTNHQQCSEVYEGIGSVTESMICAGYDEGGKDSCQGDSGGPLVCDGQLTGVVSWGKGCAEPGYPGVYAKVSTA   300
                                  .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                    **:.*:
gi|21536452|ref|NP_002762.2|      VDWIKDTIAANS-----------   323
gi|114624445|ref|XP_001155576.1| VDWIKDTIAANS-----------   323
gi|4506145|ref|NP_002760.1|       VKWIKNTIAANS-----------   323
gi|27819626|ref|NP_777115.1|      VDWIQETIAANS-----------   323
gi|6678439|ref|NP_033456.1|       VDWIQNTIADN------------   323
gi|6981420|ref|NP_036767.1|       VGWIQDTIAAN------------   323
gi|45382397|ref|NP_990715.1|      VDWIQETIAAY------------   323
gi|158298970|ref|XP_319102.4|     YEWIEQTVHTALASPERPNVEAF   323
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