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gi|73858572|ref|NP_002417.2|  ------------------------------------------------------------------------------------------------MKFLLILL-----------------------------------------LQATASGALPLNSSTS---------------   24
gi|114640115|ref|XP_508724.2|  ------------------------------------------------------------------------------------------------MKFLLILL-----------------------------------------LQATASGALPLNSSTS---------------   24
gi|73955222|ref|XP_854594.1|  MFLLDARCISVAGMAFIHPAAPGLAIMLLCQEVKHAFVEHVNLSPPKPCWHSRLHKARRCPGHGYTICQATARFTALYMGSPGLGRGIPLSQPGIYIQPGCTSEDVPHIFTNIHESPDRPEVTASGTIPLTNSASSKENDVASSQVTASR  150
gi|194673143|ref|XP_605366.4|  ------------------------------------------------------------------------------------------------MKFLLLILA----------------------------------------LQVAASGAAPLTDYPS---------------   25
gi|115392138|ref|NP_032631.3|  ------------------------------------------------------------------------------MSCTLLKGVCTMKFLMMIVF-----------------------------------------LQVSACGAAPMN------------------   32
gi|16758852|ref|NP_446415.1|  ------------------------------------------------------------------------------------------------MKFLLVLVLLVS----------------------------------------LQVSACGAAPMN------------------   24
                              1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|73858572|ref|NP_002417.2|  ------LEKNNVLFGERYLEKFYGLEINKLPVTKMKYSGNLMKEKIQEMQHFLGLKVTGQLDTSTLEMMHAPRCGVPDVHHFREMPGGPVWRKHYITYRINNYTPDMNREDVDYAIRKAFQVWSNVTPLKFSKINTGMADILVVFARGAH  168
gi|114640115|ref|XP_508724.2|  ------LEKNNVLFGERYLEKFYGLEINKLPVTKMKYSGNLMKEKIQEMQHFLGLKVTGQLDTSTLEMMHAPRCGVPDVQHFREMPGGPVWRKHYITYRINNYTPDMNREDVDYAIRKAFQVWSNVTPLKFSKINTGMADILVVFARGAH  168
gi|73955222|ref|XP_854594.1|  PVPLNNSEENNETYARRYLENFYGFVMDGIPKTKMGVGGNLMENKIQEMQQFLGLKVTGKLDASTLDMMHMPRCGLPDVQHFSTMQGRPVWKKHLITYRINNYTPDMQPADVDYAIHKAFEVWSNVTPLKFRKVNSGEADIMILFASRAH  300
gi|194673143|ref|XP_605366.4|  ------PEENDVAFAQRYLANFYGLEMETTPMTKMKVNRNVMEDKIQEMQQFFGLKVTGQLDTSTLDMMHRPRCGVPDVKNFQVFPGRPAWKKRLITYRINNYTPDLKPEDVDDAFQKAFQVWSDVTPLKFRKVHDNEADIMIRFAFREH  169
gi|115392138|ref|NP_032631.3|  ----------DSEFAEWYLSRFYDYGKDRIPMTKTKTNRNFLKEKLQEMQQFFGLEATGQLDNSTLAIMHIPRCGVPDVQHLRAVPQRSRWMKRYLTYRIYNYTPDMKREDVDYIFQKAFQVWSDVTPLRFRKLHKDEADIMILFAFGAH  172
gi|16758852|ref|NP_446415.1|  ----------ESEFAEWYLSRFFDYQGDRIPMTKTKTNRNLLEEKLQEMQQFFGLEVTGQLDTSTLKIMHTSRCGVPDVQHLRAVPQRSRWMKRYLTYRIYNYTPDMKRADVDYIFQKAFQVWSDVTPLRFRKIHKGEADITILFAFGDH  164
                              .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|73858572|ref|NP_002417.2|  GDFHAFDGKGGILAHAFGPGSGIGGDAHFDEDEFWTTHSGGTNLFLTAVHEIGHSLGLGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYGDPKENQRLPNPDNSEPALCDPNLSFDAVTTVGNKIFFFKDRFFWLKVSERPKTSV  318
gi|114640115|ref|XP_508724.2|  GDFHAFDGKGGILAHAFGPGSGIGGDAHFDEDEFWTTHSGGTNLFLTAVHEIGHSLGLGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYGDPKENQRLPNPANSEPALCDPNLSFDAVTTVGNKIFFFKDRFFWLKASERPKTSV  318
gi|73955222|ref|XP_854594.1|  GDFSPFDGRGGVIAHAFGPGPQIGGDMHFDEAEIWTKTYKGTNLFLVAVHELGHSLGLGHSSDPKAIMFPTYSYVNPNTFHLSADDIHGIQSLYGGPEKHQFSSNTDGTESANCDSNLSFDAVTTVGNKIFFFKDRFLWWRHPESPKNSV  450
gi|194673143|ref|XP_605366.4|  GDAYSFDGPWGILAHAFAPGAGLGGDAHFDEAETWTKGHKGPNLFLVAVHEIGHSLGLDHSSDTRAIMFPSYRDVDYRRFRLSTDDIRGIQSLYGRPDKHQVPSNPDNTNPAACDPNMSFDAVTTVGDKIFFFKDWFFWWKLAESPKTSV  319
gi|115392138|ref|NP_032631.3|  GDFNYFDGKGGTLAHAFYPGPGIQGDAHFDEAETWTKSFQGTNLFLVAVHELGHSLGLQHSNNPKSIMYPTYRYLNPSTFRLSADDIRNIQSLYGAPVKPPSLTKPSSPPSTFCHQSLSFDAVTTVGEKIFFFKDWFFWWKLPGSPATNI  322
gi|16758852|ref|NP_446415.1|  GDFYDFDGKGGTLAHAFYPGPGIQGDAHFDEAETWTKSFQGTNLFLVAVHELGHSLGLRHSNNPKSIMYPTYRYLHPNTFRLSADDIHSIQSLYGAPVKNPSLTNPGSPPSTVCHQSLSFDAVTTVGDKIFFFKDWFFWWRLPGSPATNI  314
                              .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
gi|73858572|ref|NP_002417.2|  NLISSLWPTLPSGIEAAYEIEARNQVFLFKDDKYWLISNLRPEPNYPKSIHSFGFPNFVKKIDAAVFNPRFYRTYFFVDNQYWRYDERRQMMDPGYPKLITKNFQGIGPKIDAVFYSKNKYYYFFQGSNQFEYDFLLQRITKTLKSNSWF  468
gi|114640115|ref|XP_508724.2|  NLISSLWPTLPSGIEAAYEIEARNQVFLFKDDKYWLIRNLRPEPNYPKSIHSFGFPNFVKKIDAAVFNPRFYRTYFFVDNQYWRYDERRQMMDPGYPKLITKNFQGIGPKIDAVFYSKNKYYYFFQGSNQFEYDFLLQRITKTLKSNSWF  468
gi|73955222|ref|XP_854594.1|  TLISSLWPTLPSGIQAAYEIGARNQVFLFKDDKYWLISNLRPQPHYPKNIHSLGFPDSVKKIDAAVFNPLLYKTYFFVDDQFWRYDEKTQFMDPGYPKLITKYFPGIKPTVDAVYYY-NRHYYFFQGPDVFEYDVISHRITKKPKQSIMS  599
gi|194673143|ref|XP_605366.4|  SLISSLGPNLPSYIQAAYEIADRSHVFLFKDDKYWLMNNLKPQLNYPKSIHSLGFPSSVKKIDAAVFNPLFYKTYFFVGNKFWRYDERRQFLDPGYPKLITTYFPGIGPKIDAVFYY-NRHYYFFQGSILLKYNVLAQRVVESLKSSTVL  468
gi|115392138|ref|NP_032631.3|  TSISSIWPSIPSGIQAAYEIESRNQLFLFKDEKYWLINNLVPEPHYPRSIYSLGFSASVKKVDAAVFDPLRQKVYFFVDKHYWRYDVRQELMDPAYPKLISTHFPGIKPKIDAVLYF-KRHYYIFQGAYQLEYDPLFRRVTKTLKSTSWF  471
gi|16758852|ref|NP_446415.1|  TSISSMWPTIPSGIQAAYEIGGRNQLFLFKDEKYWLINNLVPEPHYPRSIHSLGFPASVKKIDAAVFDPLRQKVYFFVDKQYWRYDVRQELMDAAYPKLISTHFPGIRPKIDAVLYF-KRHYYIFQGAYQLEYDPLLDRVTKTLSSTSWF  463
                              .......460.......470.......480.......490.......500.......510.......520.......530.......540.......550.......560.......570.......580.......590.......600

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                              **
gi|73858572|ref|NP_002417.2|  GC-   470
gi|114640115|ref|XP_508724.2|  GC-   470
gi|73955222|ref|XP_854594.1|  GC-   601
gi|194673143|ref|XP_605366.4|  GCK   471
gi|115392138|ref|NP_032631.3|  GC-   473
gi|16758852|ref|NP_446415.1|  GC-   465
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