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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              
gi|19526816|ref|NP_598428.1|      ------------------------------------------------MRWVRALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINLLPDRVLGTPSVQLVQSWYVQSLLDIMEFLD   100
gi|13540705|ref|NP_110499.1|      ------------------------------------------------MRWFRALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLD   100
gi|19923736|ref|NP_002602.2|      ------------------------------------------------MRWVWALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLD   100
gi|114669258|ref|XP_523791.2|     ------------------------------------------------MRWVWALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSRNACEKTSFTFLRQELPVRLANIMKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLD   100
gi|73966347|ref|XP_548195.2|      MLRVPPPPPGLRWGFHSGRRVFRSRLDLCGSAGVLVYTEAAAAAAAAAAAMRWVRALLKNASLAGAPKYIEHFSKFSPSPLSIKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLD   150
gi|115494956|ref|NP_001069321.1| ------------------------------------------------------------------------------------------------MKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLD    36
gi|189546549|ref|XP_001922516.1| ------------------------------------------------MKFVRFMMRNAAMLNAPKHIDYYAKFSPSPLSMKQFLDFGTTNACEKTSFAFLRQELPVRMSNSLKEISLLPDQLIETQSVQLVHSWFVQSLMDILEFQD   100
gi|41055902|ref|NP_957290.1|      ------------------------------------------------MKFVRFMMRNAAMLNAPKHIDYYAKFSPLPLSMKQFLDFGTTNACEKTSFAFLRQELPVRMSNSLKEISLLPDQLIETQSVQLVHSWFVQSLMDILEFQD   100
gi|189526022|ref|XP_001332594.2| ------------------------------------------------MKFVRFIMKNAALANVPHHIEHFSKFSPSPLSMKQFLDFGSTNACEKTSFVFLRQELPVRLSNIMKEINLLPKRLLTTPSVQMVHSWYIQSLMEILEFLE   100
                                  1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                  * *:*   * :*. :**.*********.******:**:..:* ***:.***********:**:***********:*** *** **. **.**. *.*:*::***: *::**:: *: **:*:::*:* : *  .:** : ********::
gi|19526816|ref|NP_598428.1|      KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCSVSDVVKDAYDMAKLLCDKYYMASPDLEIQEVN-ATNANQPIHMVYVPSHLYHML   249
gi|13540705|ref|NP_110499.1|      KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCSVSDVVKDAYDMAKLLCDKYYMASPDLEIQEVN-ATNATQPIHMVYVPSHLYHML   249
gi|19923736|ref|NP_002602.2|      KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKLLCDKYYMASPDLEIQEIN-AANSKQPIHMVYVPSHLYHML   249
gi|114669258|ref|XP_523791.2|     KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKLLCDKYYMASPDLEIQEIN-AANSKQPIHMVYVPSHLYHML   249
gi|73966347|ref|XP_548195.2|      KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKLLCDKYYMASPDLEIQEINTASNSKQPIHMVYVPSHLYHML   300
gi|115494956|ref|NP_001069321.1| KDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLLFDGRTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKLLCDKYYMASPDLEIQEIN-ASNSKQPIHMVYVPSHLYHML   185
gi|189546549|ref|XP_001922516.1| KCPDDPRVLAEFVETLVTIRNRHNDVVPTMAQGVIEYRDTFGADPVTSQNIQYFLDRFYMSRVSIRMLINQHTLIFDGSTNPGHPSSIGCIDSCCDVTDVIRDAYESAKMLCEQNYLGSPELELREIN-AKNKSKPIEISYVPSHLYHMV   249
gi|41055902|ref|NP_957290.1|      KCPDDPRVLAEFVETLVTIRNRHNDVVATMAQGVIEYRDTFGADPVTSQNIQYFLDRFYMSRVSIRMLINQHTLIFDGSTNPGHPSSIGCIDSCCDVTDVIRDAYESAKMLCEQNYLGSPELELREIN-AKNKSKPIEISYVPSHLYHMV   249
gi|189526022|ref|XP_001332594.2| KSPDDHSILEEFVAALVNIRNRHNDVVPTMAQGVIEYKEVFGQDPVTNQNIQYFLDRFYLSRISIRMLINQHTLVFDGATNPVHPNTIGSIDPHCQVADVVKDAYESARMLCDQYYLNSPDLDLQELN-TNNRNQPISIVYVPSHLYHIL   249
                                  .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                  ***********:*.*:  .  **.:::***:* ***:**:********:*:::.********* *   .    :*:**************:********:.***.****** **********:***:**:* *:*:. * *.****** **
gi|19526816|ref|NP_598428.1|      FELFKNAMRATVESHESSLTLPPIKIMVALGEEDLSIKMSDRGGGVPLRRIERLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   398
gi|13540705|ref|NP_110499.1|      FELFKNAMRATVESHESSLTLPPIKIMVALGEEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   398
gi|19923736|ref|NP_002602.2|      FELFKNAMRATVESHESSLILPPIKVMVALGEEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   398
gi|114669258|ref|XP_523791.2|     FELFKNAMRATVESHESSLILPPIKVMVALGEEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   398
gi|73966347|ref|XP_548195.2|      FELFKNAMRATVESHESSLVLPPIKVMVALGEEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   449
gi|115494956|ref|NP_001069321.1| FELFKNAMRATVESHESSVTLPPVKVMVALGEEDLSIKMSDRGGGVPLRKIDRLFSYMYSTAPTPQPG-TGGTPLAGFGYGLPISRLYAKYFQGDLQLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEP   334
gi|189546549|ref|XP_001922516.1| FELFKNAMRATIENHETSSTLPPIKVMVALGGEDLSIKISDRGGGVPFRKIERLFSYMYSTAPRPTIGDHQRTPMAGFGYGLPISRLYARYFQGDLQLYPMEGYGTDAVIQLKALSTDSVEKLPVFNKTALRNYKVNQEADDWCVPSKEP   399
gi|41055902|ref|NP_957290.1|      FELFKNAMRATIENHETSSTLPPIKVMVALGGEDLSIKISDRGGGVPFRKIERLFSYMYSTAPRPTIGDHQRTPMAGFGYGLPISRLYARYFQGDLQLYPMEGYGTDAVIQLKALSTDSVEKLPVFNKTALRNYKVNQEADDWCVPSKEP   399
gi|189526022|ref|XP_001332594.2| FELFKNAMRATIENHKEGSNLPAIQVMVAVGGEDLTIKMSDRGGGVPFRKMENLFSYMYSTAPTPQMDEKQRAPLAGFGYGLPISRLYAKYFQGDLQLYSMEGHGTDAVIHLKALSTDSVERLPVFNKTARRNYEVTQGADDWCVPSREP   399
                                  .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400.......410.......420.......430.......440.......450

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gi|19526816|ref|NP_598428.1|      KNTSTYRVS-   407
gi|13540705|ref|NP_110499.1|      KNTSTYRVS-   407
gi|19923736|ref|NP_002602.2|      KNTSTYRVS-   407
gi|114669258|ref|XP_523791.2|     KNTSTYRVS-   407
gi|73966347|ref|XP_548195.2|      KNTSTYRIS-   458
gi|115494956|ref|NP_001069321.1| KNTSTYRVS-   343
gi|189546549|ref|XP_001922516.1| LNVAAYKAAK   409
gi|41055902|ref|NP_957290.1|     LNVAAYKAAK   409
gi|189526022|ref|XP_001332594.2| LDLAVFKLAK   409
                                  .......460
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