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                                                                                                                                                                       
gi|46255043|ref|NP_996846.1|      *   :   .*              *        .    .   .        .     ** :***::* : .
gi|114590084|ref|XP_001154736.1|  ----------------------------------------------------------------------MQPRRQRLPAPWSGPRGPRPTAPLLALLLLLAPVAAPAGSGDPDDPGQPQDAGVPRRLLQQAARAALHFFNFRSG   75
gi|149251198|ref|XP_001475843.1|  MPHPGTKPGQRGGAERTQGLRETWKRSGPMGTRARYRPSPRGRRGGAHHGLISASAGTARSEPVSVGCRANFPASMQPRRQRLPAPWSGPRGPRPTALLLALLLLLAPVVAPAGSGGPDDPGQPQDAGVPRRLLQQAARAALHFFNFRSG  150
gi|149251198|ref|XP_001475843.1|  MGHDPLSRRRLLVLLLGQGGEEGRRPGGGGEWPPWPISVSTANRVQGAQRQLSPSTQPRGPLP---------PVSMQPRQPPMPALLLS-------LWLLPSLALAAAVTEPADLEYTEVPRQPAAVGLPRGILQLAARAALHFFNFRAG  134
gi|62339361|ref|NP_001014790.1|   ----------------------------------------------------------------------MPPSRPPPPALLLS-------LWLLPSLALAAAAAAPVKPEYTVVSGQPPAVGLPRGILQLAARAALHFLNFRAG   68
gi|115495539|ref|NP_001068898.1|  ----------------------------------------------------------------------MQLRRQPLSAPRPGDTRPAAQRLAVPLLLLLALQGAAAS-GGPEDSGWLQDAEPSSRLLSQAARAALHFFNFRAA   74
gi|45383111|ref|NP_989865.1|      ----------------------------------------------------------------------MPGLRAALPA--------------ALLLLSSFPPAAAERLPWPQVPGVMRPLNPSHREAVWAAWTALHYINSHEA   61
                                  1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150

                                  ***   .*  *  .. : :  :   :  :  :** *           . *.* * *:: ::.* *.:: .*.:  .* : *::*: :*: ::: *. :    **. :  :      :*     **   :*: .:    :   *.: *.
gi|46255043|ref|NP_996846.1|      SPSALRVLAEVQEGRAWINPKEGCKVHVVFSTERYNPESLLQEGEGRLGKCSARVFFKNQKPRPTINVTCTRLIEKKKRQQEDYLLYKQMKQLKNPLEIVSIPDNHGHIDPSLRLIWDLAFLGSSYVMWEMTTQVSHYYLAQLTSVRQWK  225
gi|114590084|ref|XP_001154736.1|  SPSALRVLAEVQEGRAWMNPKEGCKVHVVFSTERYNPESLLQEREGRLGKCSARVFFKNQKPRPTINVTCTRLIEKKKRQQEDYLLYKQMKQLKNPLEIVSIPGMNQHLEPAILALWEAEAGGS-RELWNQKTYISHHYQIQFTRVRMWK  299
gi|149251198|ref|XP_001475843.1|  SPSALRVLATVQEGRAWVNPQEGCEVDLVFSTEQYNPE---QEGE-RLGKCSARVFFKNEKPRPAVNVTCARLFDKVKRQEKDYRLYKQMKQLKTPLHSISIPDSHGHIDNSLRPLWDLAFLGSSYVMWEKTTQVLHYYLVQLSSVERLK  280
gi|62339361|ref|NP_001014790.1|   SPSALRVLAAVQEGRAWVDPQEGCEVDLVFSTEHYNPE---QEGEERLGKCSARVFFKNEKPRPAVNVTCTRLFEKSKRQEKDYLLYKQMKQLKTRLDVVSIPDNQGHIDPSLRPLWDLAFLGSSYVMWEKTSQFLHYYLIQLSSVKQLK  215
gi|115495539|ref|NP_001068898.1|  SPSALQVLANVLDGRSWVNQKKEYKFDLVFTTEFYSAE----EGEKRLGKCSAQVFFRNEKPRPAVNVTCTQLVKKERRQEEDYQLYKLMKQLKSPLNAVSIPDSHGYIAPSLRPIWDLAFLGSSYVMWQKSTPFLHYYMSQISSVKQWK  220
gi|45383111|ref|NP_989865.1|      SPSRPLALHKVVKAASKMIPRLGWKYYVHCTTEGYIHG-------ENAGSCFATVLYLKKSP-PVVHGKCVHAQNKKQIQEEDHRFYEYLQHQKKPITANYIPDSNGNIAHDHLQLWGLAIVGSSYIMWKQSTEHTGYLLAQVSSVKQQI  203
                                  .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300

                                   .*::: *.: *****:.**::  *:::**  .:*::*:* *  : :  *: **  ..**   ..  .
gi|46255043|ref|NP_996846.1|      TNDDTIDFDYTVLLHELSTQEIIPCRIHLVWYPGKPLKVKYHCQ-ELQTPEEASGTEEGSAVVPTELSNF--   294
gi|114590084|ref|XP_001154736.1|  TNDDTIDFDYTVLLHELSTQEIIPCRIHLVWYPGKPLKVKYHCQ-ELQTPEEASGTEEGSAVVPTELSNF--   368
gi|149251198|ref|XP_001475843.1|  TDDDSIDFDFTVLLHEFSTQEIIPCRIHLVWYPGKPLKVNYHCQ-EQQSPEEASGTMEASAMAPPEFGNF--   349
gi|62339361|ref|NP_001014790.1|   TDDDSIDFDFTVLLHEFSTQEIIPCRIHMVWYPGKPLKVNYHCQ-ELQNPEETSGTAEASAMEPAEFSTF--   284
gi|115495539|ref|NP_001068898.1|  TNDDAIDFDYTVLLHEFSTQEIIPCRIHLVWYPSKPLKVKYHCQ-ERQTPEEASGTEEGSAVALTELSNF--   289
gi|45383111|ref|NP_989865.1|      RKDNAVAFKFIVLLHEIPTQQLNVCHMYLVWTLGHPIRVKYSCAPDNHGLEDGSGQDSGSAAGTSHETKGNF   275
                                  .......310.......320.......330.......340.......350.......360.......370..
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