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                                 *.*:.:*:****:.*:**  **                          .                  *.:   *   .    . .:  :. .  : :     :   .*:*  *:  *.**..****  :: * :**:*:  :* *:...  :
gi|17158037|ref|NP_478136.1|     MPFLGQDWRSPGQNWVKTADGWKRFLDEKSGSF-----------VSDLS----SYCNKEVYNKENLFNSLNYDVAAKKRKKDMLNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|114621570|ref|XP_001149252.1| MPFLGQDWRSPGQNWVKTADGWKRFLDEKSGSFRLERINHHCYSSSSLSSVIHSYCNKEVYNKENLFNSLNYDVAAKKRKKDMLNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|13385848|ref|NP_080622.1|     MPFLGQDWRSPGQSWVKTADGWKRFLDEKSGSF-----------VSDLS----SYCNKEVYSKENLFSSLNYDVAAKKRKKDIQNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|19424166|ref|NP_598205.1|     MPFLGQDWRSPGQSWVKTADGWKRFLDEKSGTF-----------VSDLS----SYCN-----KENLFNSLNYDVAAKKRKKDIQNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|114051558|ref|NP_001039620.1| MPFLGQDWRSPGQSWVKTADGWKRFLDEKSGSF-----------VSDLG----SYCSKEVYNKENLFNSLNYDVAAKKRKKDMLNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|73974432|ref|XP_861693.1|     MPFLGQDWRSPGQSWVKTADGWNSLFGCSKCTN----------CESSQC----HLGRREVYNKENLFNSLNYDVAAKKRKKDMLNSKTKTQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSTAILDSRRFNYVVRLLELIAKS-QL   150
gi|71896561|ref|NP_001026127.1| MPFLGQDWRSPGQSWVKTADGWTRFLDEKSGGF-----------VGDLS----SFCKKEDHNKENLFNSLNYDVAAKKRKKDLLNNKAKIQYFHQEKWIYVHKGSTKERHGYCTLGEAFNRLDFSSAILDSRRFNYVVRLLELIAKS-QL   150
gi|41055482|ref|NP_957211.1|     MPFLGQDWRSPGQSWVKTEDGWKKTTKDDNETNN---------NVLERK----SYCK-EEHDKENLILSINYDVAAKKRKKDLPNNNTKIPYFYKDKWIYVHKGSTKERHGYCTLGEAFNRLDFCSAIKDTRRFNYVVRLLELIAKS-QL   150
gi|45553065|ref|NP_996060.1|     MAFISKDFRSPGETWIKTDGGWERSK------------------VLECG------------GKRKRHHSEGSSSYQDSDSSE--EEAVMPPHYH------ITIRCTREIAGFNGLSEAVKRLDFRRSVRDRKRFHYICAFL-LLVSNKGI   150
gi|58393935|ref|XP_320404.2|     MPFISKDWRSPGDSWVKTDEGWEKLK------------------VLEC-------------VKRKRCISECSSTSDTENDTENGDNEVVPPHCH------ITLKCTREIAGFNGLGEAVRRLDFRSSVRDGRRFNYVCALLRLLVSGKGI   150
                                 1.......10........20........30........40........50........60........70........80........90.......100.......110.......120.......130.......140.......150
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                                 .**.* **:  ::::*.*.  * :.**: . :: *   *   :    *      :*.  :*  ::  .  : *    ..*:*  ..       .: :**     :*:  ::* :** :  ...   :  * .:: :*:.* ::**..:**   *
gi|17158037|ref|NP_478136.1|     TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNNIQITRP-AFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLLWKKLCQYHFSERQIRKRL   300
gi|114621570|ref|XP_001149252.1| TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNNIQISRA-LRRGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLLWKKLCQYHFSERQIRKRL   300
gi|13385848|ref|NP_080622.1|     TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNSIQISRP-AFKGLTITDLPVCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLLWKRLCQYHFSERQIRKRL   300
gi|19424166|ref|NP_598205.1|     TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETTLHWQQQLNSIQISRP-AFKGLTITDLPVCLQLNIMQRLSDGRDLVSLGQAAPDLHVLSEDRLLWKRLCQYHFSERQIRKRL   300
gi|114051558|ref|NP_001039620.1| TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNNIQITRP-AFKGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQVAPDLHVLSEDRLLWKKLCQYHFSERQIRKRL   300
gi|73974432|ref|XP_861693.1|     TSLSGIAQKNFMNILEKVVLKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVYRMETILHWQQQLNNIQITRP-AFQGLTFTDLPLCLQLNIMQRLSDGRDLVSLGQVAPDLHVLSEDRLLWKKLCQYHFSERQIRKRL   300
gi|71896561|ref|NP_001026127.1| TSLSGIAQKNYMNILEKVVQKVLEDQQNIRLIRELLQTLYTSLCTLVQRVGKSVLVGNINMWVHRMETILHWQQQLNNIQITRP-AFKGTTFTDLPLCLQLNIMQRLSDGRDLVSLGQVAPDLQVLSEDRLLWKKLCQYHFTDRQIRKRL   300
gi|41055482|ref|NP_957211.1|     PSLSGVAQKNYMNILERVVQKVLDDQQNVRPIKELLQTLYASLCSLVQDMGKSVLVGNINIWVHRMENILQWQQQLDNIQINRP-KNTGMTLLELPVSLQLNIMQRLSDGRDLVSLGQVCPDLSMLTEDRLLWKKLCQYHFTDRQIRKRL   300
gi|45553065|ref|NP_996060.1|     ASLPGSAQRQLLQMVEEVASHVNDSQQHPNVLRGLALKLEHIVSQENQKCWG-KPLGSTYLWKEHMATIKRIQRVASQIEIREPDPEAKPKLHELPEECVREIILCIADHRDLESAAEAWETMAKLVSEQRIWRELTRFHFNQRQIHTIL   300
gi|58393935|ref|XP_320404.2|     TSLPGGAQRLLLQMLEEVATYVSDSQQNINVLRGLVQQLRALLNQENQKCWG-KPLGSQSLWAEHVQTIQRIQDIASQIEIKEPGPNIRPKLHDLPEECVREIILRITDYKDLEASASAWSLMAALISEQRVWRELSHYHFTKQQIDVVL   300
                                 .......160.......170.......180.......190.......200.......210.......220.......230.......240.......250.......260.......270.......280.......290.......300
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                                          : : :*: :*. * : *   .:  *:.  * :*  *  * *           . .*** .::                  .:.*  *:: * :
gi|17158037|ref|NP_478136.1|     ILS-----DKGQLDWKKMYFKLVRCYPRKE--QYGDTLQLCKHCHILSWK-----------GTDHPCTANNPE--------------SCSVSLSPQDFINLFKF   404
gi|114621570|ref|XP_001149252.1| ILS-----DKGQLDWKKMYFKLVRCYPRKEKEQYGDTLQLCKHCHILSWKVCVS------EGTDHPCTANNPE--------------SCSVSLSPQDFINLFKF   404
gi|13385848|ref|NP_080622.1|     ILS-----DKGQLDWKKMYFKLVRCYPRRE--QYGVTLQLCKHCHILSWK-----------GTDHPCTANNPE--------------SCSVSLSPQDFINLFKF   404
gi|19424166|ref|NP_598205.1|     ILS-----DKGQLDWKKMYFKLVRCYPRRE--QYGVTLQLCKHCHILSWK-----------GTDHPCTANNPE--------------SCSVSLSPQDFINLFKF   404
gi|114051558|ref|NP_001039620.1| ILS-----DKGQLDWKKMYFKLARCYPRKE--QYGDTLQLCRHCHILSWK-----------GTDHPCTANNPE--------------SCSISLSPQDFINLFKF   404
gi|73974432|ref|XP_861693.1|     ILS-----DKGQLDWKKMYFKLVRCYPRKE--QYGDTLQLCRHCHILSWKVFRPNHDVPFQGTDHPCTANNPE--------------SCSVSLSPQDFINLFKF   404
gi|71896561|ref|NP_001026127.1| ILS-----DKGQLDWKKMYFKLIRCYPRKE--QYGDTLQLCRHCHILSWK-----------GTDHPCTANNPE--------------TCSTSLSPQDFINLFRF   404
gi|41055482|ref|NP_957211.1|     MVS-----DKGQLEWKKMYFKLCRCYPHKE--QYSDTLQFCTHCHILFWK-----------DTDHPCTANNPE--------------SCCKAVSPQGFINLFKF   404
gi|45553065|ref|NP_996060.1|     DLDKFKQMGEIK-DWKQIYHQLRRTYGVNDDYQFAEVLALCRSCCCLFWP-----------SDGHPCIVDQSPDYKQRLEEAG-GQLALAQPVPPAQFLKYFSL   404
gi|58393935|ref|XP_320404.2|     EKMCLQDTKERHRNWQAIYHALRKMYGVREELQYAEILAFCRLCRCLFWP-----------SAGHPCIVDQCPDFRQRVQEAGNSNSNETQPVPPAKFLQYFSL   404
                                 .......310.......320.......330.......340.......350.......360.......370.......380.......390.......400....
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