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logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  MNKTLKRQVFRHTALYAAILMFSHTGGG.AQAETHNYAIVMNEQNQLKVKQKGLYSTLREKDRERKFIYNKSWQGGGSVF   79
NTDB id 1090 CAA90909.1 1..3114( )           MNKTLKRQVFRHTALYAAILMFSHTGGGGAMAQTHKYAIIMNERNQLEVKGNGQYSTIKDKDRERKFIYNKDRGGGGSVF   80
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!*! ! !! !!!*!!! !!! !! ! !!!***!!!!!!!!!!!    !!!!!!

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  FDNTDTLVSRQSGTAVFGTATYLPPYGKVSGFDANALKERNNAVDWIHTTRAGLAGYAYTNVICRSHQCPQLVYKTRFSF  159
NTDB id 1090 CAA90909.1 1..3114( )           FDNTDTLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRSNQCPQLVYETKFSF  160
consensus                                    !!!!!!!!!! ! !!!!!!!!!!!!!!!!!!!!!!!! *!  !!!!!!!!!!!! !!!!!!!!! !!!!!*!!!!!!! !*!!!

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  DNPDLAKRGGGLDRHTEPSRDNSLIYKLKDHPWLGVSFNLGSENTVKNSQSSSRLISSFSEDNNNQTIVSTTENHPISLG  239
NTDB id 1090 CAA90909.1 1..3114( )           DGIGLAKNAGSLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGNNNQTIVSTTRGHSISLS  240
consensus                                    !  *  !!!  *!  !!!!**!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!    !  *!!!!!!! !!!!!!!!!!!  !*!!!

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  DRQREHTAVAYYLNAKLHLLDKKGIKDIT.GKTVRLGVLKPSIDVKTQRTGLGGLLGFHAKWDIKDTGQIPVELGLPQIK  318
NTDB id 1090 CAA90909.1 1..3114( )           DWKREHTAMAYYLNAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVR...RGELLNFWATWKIEDKGNITVRLGLPEVK  317
consensus                                    !   !!!!!*!!!!!!!!!!!!!!!!!! !! *!!!! !! !*! **    *** ! !! !*! ! ! ! !*!*! !!!! *!

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  AGRCINKPNPNPKAQALSPALTAPALWFGPVQNGKVQMYSASVSTYPDSSSSQIFLQNLSRKDDTSKPGRYSLKPLSTSE  398
NTDB id 1090 CAA90909.1 1..3114( )           AGRCVNKANPNPNAKAPSPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPGKPGRHSLETLTEND  397
consensus                                    !!!!*!!*!!!!  ! !*!!!!!!!!!!!!!!!  !!  !!!!!!!!!!!!!!! !*!!!! !! !* !!!!*!! *!*   *

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  IKSKEPTFTGRQTVIRLDGGVQQIKLQGNEVT..SFNVNN.GNNTFGIVKDLGVDPDASEWKKVLLPWTVRASNDDNQFK  475
NTDB id 1090 CAA90909.1 1..3114( )           IKSREPNFTGRQTIIRLNGGVREIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLLPWTVRGFADDNKFK  477
consensus                                    !!!*!! !!!!!!*!!! !!!   !!!   !    ** !! ! * ! !!!!!!!!!!*!! !!!!!!!!!!!!!*   !!! !!

logo

NTDB id 122240 M0579 RS07145 WP 002224080.1  TINQQLN.QQKIQYSQRYRIRD..NGNRDLGDIVNSPIVAVGEYLATSANDGMVHIFKQSGGDKRSYNLKLSYIPGTMPR  552
NTDB id 1090 CAA90909.1 1..3114( )           AFNKEENNDNKPKYSQKYRSRDNNKGERNLGDIVNSPIVAVGEYLATSANDGMVHIFKQSGGDKRSYNLKLSYIPGTMPR  557
consensus                                      !   !* *!* !!!*!! !!** ! ! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
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logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  QYFDNDTSALKDSTLAKELRTFAEKGYVGDRYGVDGGFVLRQVNNLNGQDRVFMFGAMGFGGRGAYALDLSKIDSNNPTA   632
NTDB id 1090 CAA90909.1 1..3114( )           KDIQNT.....ESTLAKDVRTFAEKGYVGDRYGVDGGFVLRKVDNLNGQNRVFMFGAMGFGGRGAYALDLTKADGSDPTA   632
consensus                                        ! ******!!!!!**!!!!!!!!!!!!!!!!!!!!! ! !!!!! !!!!!!!!!!!!!!!!!!!!!*! !    !!!

logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  VSLFDVKNNDDK.NNNGVKLGYTVGTPQIGKTHNGKYAAFLASGYATKKID.DQTNKTALYVYDLESNNGT.PIATINVPD   709
NTDB id 1090 CAA90909.1 1..3114( )           VSLFDVKDNGNNGNNRVELGYTVGTPQIGKTHDGKYAAFLASGYATKEIITSGDNKTALYVYDLEGNGTNNLIKKIEVPG   712
consensus                                    !!!!!!!    * !! ! !!!!!!!!!!!!!! !!!!!!!!!!!!!! ! *   !!!!!!!!!!! !   **!  ! !!

logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  GKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYRFDLSSQDPKQWSARAIFKGDKPITSAPAISQLKDKRVVIFGTGSDLS   789
NTDB id 1090 CAA90909.1 1..3114( )           GKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYRFDLSSQDPQQWSVRTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLS   792
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!! ! !! ! !!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  EEDVDKKDEQYIYGIFDDDTATTGSVNFSGSGGGLLEQHLTQ..EDKTLFLTDYKRSDGSGNKGWIVKLKDGQRVTVKPT   867
NTDB id 1090 CAA90909.1 1..3114( )           EEDVDNMEEQYIYGIFDDDTATTGTVNFSDSGGGLLEQVLRRDNDNKTLFLTDYKRSDGSGNKGWVVKLKDGQRVTVKPT   872
consensus                                    !!!!!  *!!!!!!!!!!!!!!!!*!!!! !!!!!!!!*!   *** !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!

logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  VVLRTAFVTIRKYTD.NGCGAETAILGINTADGGKLTKKSARPIVPEANQAVAQYSGHKQTAKGKSIPIGCMEKDNGIVC   946
NTDB id 1090 CAA90909.1 1..3114( )           VVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARPIVPEANTAVAQYSGHKKGTNGKSIPIGCMQKSNEIVC   952
consensus                                    !!!!!!!!!!!*!!! *  !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!    !!!!!!!!! ! ! !!!

logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  PNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGTFKEGKKPARNNRCFSGKGVRTLLMNDLDSLDITGPTCGMKRISW  1026
NTDB id 1090 CAA90909.1 1..3114( )           PNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKRSGKNNRCFSQKGVRTLLMNDLDSLDITGPTCGMKRISW  1032
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  * !!****!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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logo
NTDB id 122240 M0579 RS07145 WP 002224080.1  REVFY.  1031
NTDB id 1090 CAA90909.1 1..3114( )           REVFY*  1037
consensus                                    !!!!!
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X non conserved
X similar
X $\geq$ 50% conserved