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logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  ........................................MNERKQPEVKWEGQYNQSALKDKSRERTFSHTSQKNDLGITSNFI   45
NTDB id 1090 CAA90909.1 1..3114( )          MNKTLKRQVFRHTALYAAILMFSHTGGGGAMAQTHKYAIIMNERNQLEVKGNGQYST..IKDKDRERKFIYNKDRGG....GGSV   79
consensus                                   ****************************************!!!! !*!!!  !!!  ***!!! !!! ! *   *  ****   *

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  SFNNNDELVSQQSGTAVFGTATYLPPYGKVSGFDTDRLKERANAAGWIRTTRPGLAGYSYADVVCRDITGCPKLVYETKFTFGQQ  130
NTDB id 1090 CAA90909.1 1..3114( )          FFDNTDTLVSQQRGTAVFGTATYLPPYGKVSGFDADGLQKRNNAVDWIHTTQAGLAGYAYTDVICRS.NQCPQLVYETKFSFDGI  163
consensus                                    ! ! ! !!!!! !!!!!!!!!!!!!!!!!!!! ! !  ! !!  !!*!! *!!!!! ! !!*!! *  !! !!!!!!!*!

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  GLQRKAGNKLDIYEDKSRENSPIYKLKDHPWLGVSFNLGSENTVKNSKSFNKLISFFSEDNNNQNIVSTTRDHPISLGDSKREHT  215
NTDB id 1090 CAA90909.1 1..3114( )          GLAKNAG.SLDRHPDPSRENSPIYKLKDHPWLGVSFNLGSENTVKDGKSFNKLISSFSEGNNNQTIVSTTRGHSISLSDWKREHT  247
consensus                                   !! * !!* !! **!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  !!!!!!!! !!! !!!! !!!!!! !*!!! ! !!!!!

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  AVAYYLNAKLHLLDKKEIKDIAPGKTVDLGTLRPRVETIG..RGLLDFWATWKIEDKGNITVRLGLPEVKAGRCTNAAHPNPKVK  298
NTDB id 1090 CAA90909.1 1..3114( )          AMAYYLNAKLHLLDKKGIEDIAQGKTVDLGTLRPRVEATVRRGELLNFWATWKIEDKGNITVRLGLPEVKAGRCVNKANPNPNAK  332
consensus                                   !*!!!!!!!!!!!!!!! ! !!!*!!!!!!!!!!!!!!!   **  !! !!!!!!!!!!!!!!!!!!!!!!!!!!! ! !*!!!  !

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  PLSPALTAPALWFGPAQNGKVQMYSASVSTYPGSSSSKIFLQNLSRNDDKNKPGRYSLKPLSENEIKSKEPSFMGRQTIIRLDSG  383
NTDB id 1090 CAA90909.1 1..3114( )          APSPALTAPALWFGPVKDGKAEMYSASVSTYPDSSSSRIYLQNLKRKTDPGKPGRHSLETLTENDIKSREPNFTGRQTIIRLNGG  417
consensus                                   **!!!!!!!!!!!!!   !!  !!!!!!!!!! !!!!*!*!!!! !  !* !!!!*!! *!*!!*!!!*!! ! !!!!!!!!  !

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  VQLIKLNGSKDEVVTF.GNTGNNGTFGIVKEANVNLEADEWKKVLLPWTVRGPDNDNKFKSINREP.....GKYSQRYRIRE..N  460
NTDB id 1090 CAA90909.1 1..3114( )          VREIKLDRNNTEVVNFNGNDGNNDTFGIVKDLGVEPDTSEWKKVLLPWTVRGFADDNKFKAFNKEENNDNKPKYSQKYRSRDNNK  502
consensus                                   !  !!!     !!! !*!! !!! !!!!!!*  ! **  !!!!!!!!!!!!!*  !!!!!  !*!*******!!!!*!! !***

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  GNRDLGDIVNSPIVAVGGYLATAANDGMVHIFKKNGGSDERSYNLKLSYIPGTMPRKDIESNDSTLAKELRAFAEKGYVGDRYGV  545
NTDB id 1090 CAA90909.1 1..3114( )          GERNLGDIVNSPIVAVGEYLATSANDGMVHIFKQSGG.DKRSYNLKLSYIPGTMPRKDIQNTESTLAKDVRTFAEKGYVGDRYGV  586
consensus                                   ! ! !!!!!!!!!!!!!! !!!! !!!!!!!!!!  !!*! !!!!!!!!!!!!!!!!!!!   *!!!!!**! !!!!!!!!!!!!!!
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logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  DGGFVLRSITDDQDRQKHFFMFGAMGLGGRGAYALDLTKIDSSNPAGVSMFDVQNDKNNNNNKNDSNRVKLGYTVGTPQIGKTRS   630
NTDB id 1090 CAA90909.1 1..3114( )          DGGFVLRKVDN.LNGQNRVFMFGAMGFGGRGAYALDLTKADGSDPTAVSLFDVKDNGNN.....GNNRVELGYTVGTPQIGKTHD   665
consensus                                   !!!!!!! *  *   ! * !!!!!!! !!!!!!!!!!!! ! ! ! *!!*!!!    !!*****  !!! !!!!!!!!!!!!!*

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  GKYAAFLASGYAAKDI.NSNDNKTALYVYDLENTGG.KLIKTIQVSGGTGGLSSPTLVDKDLDGTVDIAYAGDRGGKMYRFDLSN   713
NTDB id 1090 CAA90909.1 1..3114( )          GKYAAFLASGYATKEIITSGDNKTALYVYDLEGNGTNNLIKKIEVPGGKGGLSSPTLVDKDLDGTVDIAYAGDRGGNMYRFDLSS   750
consensus                                   !!!!!!!!!!!! !*!* ! !!!!!!!!!!!!  ! * !!! ! !*!! !!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  SDPSKWSVSTIFEGAKPITSAPAVSRLADKRVVIFGTGSDLSEEDVVGKDQQYIYGIFDDDKPTVKVTVQNGMGGGLLEQNLTQ.   797
NTDB id 1090 CAA90909.1 1..3114( )          QDPQQWSVRTIFEGTKPITSAPAISQLKDKRVVIFGTGSDLSEEDVDNMEEQYIYGIFDDDTATTGTVNFSDSGGGLLEQVLRRD   835
consensus                                    !!  !!! !!!!! !!!!!!!!*! ! !!!!!!!!!!!!!!!!!!   * !!!!!!!!!! *!!         !!!!!!! !  *

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  .ENKTLFLSNNKASGGSADKGWVVKLMDGERVTVKPIVVLRTAFVTIRSYTGNDKCGAQTAILGINTADGGALTPRSARPIVPDN   881
NTDB id 1090 CAA90909.1 1..3114( )          NDNKTLFLTDYKRSDGSGNKGWVVKLKDGQRVTVKPTVVLRTAFVTIHKYTGTDKCGAETAILGINTADGGKLTKKSARPIVPEA   920
consensus                                   **!!!!!!*  ! ! !!* !!!!!!! !! !!!!!! !!!!!!!!!!* !!! !!!!! !!!!!!!!!!!! !!**!!!!!!!*

logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  ..QVAQYSGHKT.AGGKSVPIGCMWKNSKTVCPNGYVYDKPVNVRYLDEKKTDDFPVTADGDAGGSGTFKEGKKPARNNRCFSGK   963
NTDB id 1090 CAA90909.1 1..3114( )          NTAVAQYSGHKKGTNGKSIPIGCMQKSNEIVCPNGYVYDKPVNVRYLDEKKTDGFSTTADGDAGGSGIDPAGKRSGKNNRCFSQK  1005
consensus                                   ** !!!!!!!! *  !!!*!!!!! !    !!!!!!!!!!!!!!!!!!!!!!! !* !!!!!!!!!!  * !!****!!!!!! !

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logo

NTDB id 150560 VT05 RS09130 WP 017146945.1  GVRTLLMNDLDSLDITGPMCGIKRLSWREVFF.   995
NTDB id 1090 CAA90909.1 1..3114( )          GVRTLLMNDLDSLDITGPTCGMKRISWREVFY*  1037
consensus                                   !!!!!!!!!!!!!!!!!! !!*!!*!!!!!!*
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X non conserved

X similar

X ≥50% conserved