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logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  ..............MQRAAWAVASLGAEGSGGRLAWSVPAVFGVMGGIQLGLGAWWGALT.LLGVGLALRDARPLLAALALLGAA   70
NTDB id 1311 DR RS09490 WP 010888489.1      MVTREGATRFDPQTGEVLTAPARRRGHRAEAGRLAWPLPLALGIIGGIGWQLGLGWAAVPLLLGAALALLDARPLLAVLALLGGG   85
consensus                                   **************      *    !* * *!!!!!**!   !**!!!   !!  !*!***!!! *!!! !!!!!!! !!!!!**

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  LGFGAERLVTGRADPMAPWLGAQVTLTGEWDGQFLTLKDPPARLAVAPKPTSKPGHLVVSGRLVAPEGQRTPGGFDQAAWLRAQG  155
NTDB id 1311 DR RS09490 WP 010888489.1      LGYGSAHLQAREPDRIAPWIGALVTLRGHWDGQFLTLDEPKARVALAPKPRQGPGEVVVAGRLIRPDGRRIPGGFDQAAWLRSQG  170
consensus                                   !!*!  *!    *!**!!!*!! !!! !*!!!!!!!! *!*!!*!*!!!!   !!**!! !!!* !*! ! !!!!!!!!!!! !!

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  GVLLPTPTAVLVAAKVRGSQAEGGLRGWFRRGLTAGLPAREAALMTAIELGDRNDIGREEFAEGYGIRDGFNRSGLAHLMALSGQ  240
NTDB id 1311 DR RS09490 WP 010888489.1      GLLVPTPKAVLVRAEVKKHVPERGLRGWFRRGLSAHLSPRNAALMTAVELGERGDIGRETFDEGFSVRDAFARAGLAHLMALSGQ  255
consensus                                   !*!*!!! !!!! ! !* * *! !!!!!!!!!!*!*!**! !!!!!!*!!!*! !!!!! ! !!* *!!*! ! !!!!!!!!!!!

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  NVALITVVLIWLFGWLRWPPLWRYGVPALLLLPYL.ALVGVSPSITRAVIMGFTVLAALALGRGRPDPSGLLALTALVCLLLFPL  324
NTDB id 1311 DR RS09490 WP 010888489.1      NVALLTGTLIWLLGWLGARPSWRYGLPAALLPFYLLLLVGATPSITRAVLMGGVALLALMVGRGRPDPLGIVALTASACLLLFPL  340
consensus                                   !!!!*!  !!!! !!!  *! !!!!*!! !!**!!* !!! *!!!!!!!*!!   ! !! *!!!!!!! !**!!!!  !!!!!!!

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  WLLDIGFQLSFLAVLALTLSLKAAGKLPERWPLWLRLALVATVLAELGTLPVIAATFGQLPVVGLPANLAAGAVMTALVPLGFLA  409
NTDB id 1311 DR RS09490 WP 010888489.1      WLLDVGFQLSFLAVLGLLLSGKLADRLPQRWPQWLKLALAATVLAELATLPVIAHNFGQLPLVGLPANLLAAPIMAVLVPLGFLA  425
consensus                                   !!!!*!!!!!!!!!!*! !! ! ! *!! !!! !!*!!! !!!!!!!*!!!!!!* !!!!!*!!!!!!! !***!  !!!!!!!!

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  GLLGPAAAVINPLVELLAALLLGIVKVFGQAPVLTWGQVSPAGFAAYAVCAAAGVLWLWDRVRLRTVLGVALACTLLTVLPGKLH  494
NTDB id 1311 DR RS09490 WP 010888489.1      GLLGPAGGLVNWAVAPLASALLWVAQTFGSAPVLGWGTLGAGGFLAYALAAVAGMGWLLGRVRGQAALTIALACAALSWLPAQLR  510
consensus                                   !!!!!!****!* ! *!!  !! *  !! !!!! !! * **!! !!!**! !!* !!  !!!    ! *!!!!  !* !!* !*

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  PPREIVYLDVGQGDATLVRLPHLTVLVDAGGSVGSDYDVGGKTVVPALRALGVRKIDVVIGTHADTDHMEGISGVLRALPVGELW  579
NTDB id 1311 DR RS09490 WP 010888489.1      PARELVFLDVGQGDATLLRVPGLTMLVDGGGSVGSDYDVGRGTVLPALRALGVRKLDVVVATHADTDHIEGLSSVLRGLPVGELW  595
consensus                                   !*!!*!*!!!!!!!!!!*!*!!!*!!!*!!!!!!!!!!!!  !!*!!!!!!!!!!*!!!**!!!!!!!*!!*!  !!!*!!!!!!!
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logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  IGQRK..TDDPVLTAVLDAAQEAGVPVREVRRGDQIASDGVSLTVLWPTGQVWSTEDNENSVAVRLESGSWHTALLGDLPDPAEH   662
NTDB id 1311 DR RS09490 WP 010888489.1      VGQLKKAGDDPVLDAVLTAARERNVPVRQIRRGDQVTAGPVKVTALWPVGNVWSTADNDNSVALRVEDGPFRAALLGDLPDPAEA   680
consensus                                   *!! !** !!!!! !!! !! !  !!!! *!!!!!*   *! *! !!! !*!!!! !!*!!!!*!*! !*** !!!!!!!!!!!*

logo
NTDB id 133669 QR90 RS03855 WP 081994869.1  FLGLGHLNLLKVAHHGSRFSTDAGLLRETTPADAVISVGRNTYGHPNPEMLGRLGAAAVKVWRTDQLGTIRWPIP   737
NTDB id 1311 DR RS09490 WP 010888489.1      LIGPGHLTLLKAAHHGSRYSTGEVLLKQTKPKDVLISVGRNTYGHPTQAVLDRIAAAGAKVWRTDQVGTVRWPLP   755
consensus                                    *!*!!! !!! !!!!!!*!!   !!* ! ! ! *!!!!!!!!!!! * *! !**!!* !!!!!!!*!!*!!!*!
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X non conserved

X similar

X $\geq$ 50% conserved