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logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  .........MTGHSTVASAASRTARSTRAPAGRLAWPVPLAFGVMGGILLGLGVWWGALVLLAGTVFAVLDGRTALAGLALAGGG   76
NTDB id 1311 DR RS09490 WP 010888489.1     MVTREGATRFDPQTGEVLTAPARRRGHRAEAGRLAWPLPLALGIIGGIGWQLGLGWAAVPLLLGAALALLDARPLLAVLALLGGG   85
consensus                                  *********  ***     !*    ! *!!*!!!!!!!*!!! !**!!!    !!* !*!**!! !   !*!!*!* !! !!! !!!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  LGFGAERLNAAQPDRMSPWVGAPVTLVGDWDGQFLRLSDPPARVALSPKPRVLPGRLVVSGRLVRPEGRHVPGGFDQAAWLRGQG  161
NTDB id 1311 DR RS09490 WP 010888489.1     LGYGSAHLQAREPDRIAPWIGALVTLRGHWDGQFLTLDEPKARVALAPKPRQGPGEVVVAGRLIRPDGRRIPGGFDQAAWLRSQG  170
consensus                                  !!*!  *!*!  !!!* !!*!!*!!! !*!!!!!! ! *!*!!!!! !!!!  !! *!! !!!*!!*!!**!!!!!!!!!!! !!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  GLFVPTPTIVLVAARVRSSTPEGGVRGWFRRGLTAGLGERQAALMQAIELGDRNEIRREDFAEGYRVQEAFARAGLSHLMALSGQ  246
NTDB id 1311 DR RS09490 WP 010888489.1     GLLVPTPKAVLVRAEVKKHVPERGLRGWFRRGLSAHLSPRNAALMTAVELGERGDIGRETFDEGFSVRDAFARAGLAHLMALSGQ  255
consensus                                  !! !!!!  !!! ! !* * !! !*!!!!!!!!*!*! *!*!!!! !*!!!*! *! !! ! !!* ! *!!!!!!! !!!!!!!!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  NVGLLTGAVVWLLSWLRVPLGWRYGAALLFLAPYL.LLVGVSPSLLRAVLMGGAVLAGYALGRGRLDPYGTLALAAVLCLLLFPR  330
NTDB id 1311 DR RS09490 WP 010888489.1     NVALLTGTLIWLLGWLGARPSWRYGLPAALLPFYLLLLVGATPSITRAVLMGGVALLALMVGRGRPDPLGIVALTASACLLLFPL  340
consensus                                  !!*!!!! **!!! !!  ** !!!! *   !**!!*!!!! *!!* !!!!!!!  ! *  *!!!!*!! ! *!! !  !!!!!!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  WLLDVGFQLSFLAVLGLTLSARLAERLPARWPRWLRLPLAATLLAELATLPVVAGTFGQLPLVGLPANLLAGALMAALVPLGFVA  415
NTDB id 1311 DR RS09490 WP 010888489.1     WLLDVGFQLSFLAVLGLLLSGKLADRLPQRWPQWLKLALAATVLAELATLPVIAHNFGQLPLVGLPANLLAAPIMAVLVPLGFLA  425
consensus                                  !!!!!!!!!!!!!!!!! !!**!!*!!! !!! !!*!*!!!!*!!!!!!!!*!* !!!!!!!!!!!!!!!***!! !!!!!!*!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  GLLGPFALAVNWLTGLLASLLLGVVALFGRAPVLTWGTVGAGGCVAYGAAALAGVLWLRGRVRAPVALGTLLACAVLTLLPGLLR  500
NTDB id 1311 DR RS09490 WP 010888489.1     GLLGPAGGLVNWAVAPLASALLWVAQTFGSAPVLGWGTLGAGGFLAYALAAVAGMGWLLGRVRGQAALTIALACAALSWLPAQLR  510
consensus                                  !!!!! *  !!!   **!!! !! !   !! !!!! !!!*!!!!**!!* !!*!!* !! !!!!** !!   !!!! !* !!* !!

logo
NTDB id 22675 DGEO RS10625 WP 049782957.1  PARELVFLDVGQGDSTLIRARGLSVLVDGGGSVGSDFDVGTRTVVPALRALGVRALDVVVATHADTDHIEGLSGVLRALPVGELW  585
NTDB id 1311 DR RS09490 WP 010888489.1     PARELVFLDVGQGDATLLRVPGLTMLVDGGGSVGSDYDVGRGTVLPALRALGVRKLDVVVATHADTDHIEGLSSVLRGLPVGELW  595
consensus                                  !!!!!!!!!!!!!!  !!*! *!!**!!!!!!!!!!!!*!!!   !!*!!!!!!!!! !!!!!!!!!!!!!!!!!! !!!*!!!!!!!
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logo                                        YGRRKKAGTDDPVLDEVLTAARERNVPVRQYRRGDRVTYGPVTYTYLWPYGRYWSTQDNDNSVALTVESRPFRAALLGDLPDPAEA
                                            YGQLKKAGDDPVLAALLQAARERGVPVREYRRGDQVSADGVKLTALWPPGNFWSTADNDNSVALRVEDGGFRAALLGDLPDPAEA

NTDB id 22675 DGEO RS10625 WP 049782957.1   IGRRK..TDDPVLAELLQAARERGVPVREVRRGDRVSVDGVTLTVLWPPGRFWSTQDNDNSVALTVESRGFRAALLGDLPDPAEA   668
NTDB id 1311 DR RS09490 WP 010888489.1      VGQLKKAGDDPVLDAVLTAARERNVPVRQIRRGDQVTAGPVKVTALWPVGNVWSTADNDNSVALRVEDGPFRAALLGDLPDPAEA   680
consensus                                   *!  !** !!!!!  *! !!!!! !!!! *!!!! !*  *! *! !!!*!  !!! !!!!!!!! !!  *!!!!!!!!!!!!!!!

logo                                        QIGVGKLTLLKAAHHGSRYSTGEYLLKQTTPKDVLISVGRNTYGHPTQDVLKRIGEVGAKVWRTDQVGTVRWPLP
                                            LIGPGHLDLLKAAHHGSRHSTGEATLKESKTHDVLISVGRNTYGHPHPAVLDRIAAAGAKVWRTDQLGTVRWPLP

NTDB id 22675 DGEO RS10625 WP 049782957.1   QIGVGKLDLLKAAHHGSRHSTGEAILKESTPHDVLISVGRNTYGHPHPDVLKRIGEVGAKVWRTDQLGTVRWPLP   743
NTDB id 1311 DR RS09490 WP 010888489.1      LIGPGHLTLLKAAHHGSRYSTGEVLLKQTKPKDVLISVGRNTYGHPTQAVLDRIAAGAKVWRTDQVGTVRWPLP   755
consensus                                    !!*!*! !!!!!!!!!!*!!!! *!! * !*!!!!!!!!!!!!!!!** !! !!*  !!!!!!!!!*!!!!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved