```
logo
NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  .MNADFSLSGEQRWRILRLYHLYRLVIGITLALLISSDLDAQLLDMMHPTLFRNGSWLYLALNVLIIATVRRPKRLAQVF   79
NTDB id 1472 PAKAF RS23995 WP 016253893.1      MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                      *      !! !!  !!!!!!!!!!! !!* ! !!!!!*!* !*! **!! !!* !!!*!!  !*!*   ***** ! **!

logo

NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  SLAMVDVILLSGLFYAAGGTPSGIGNLLIVAVAIANILLRGRIGLLIAAVAATGMIYLTFYLSLSRPAAAAQYVQAGALG  159
NTDB id 1472 PAKAF RS23995 WP 016253893.1      ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                       !!* !!**!*!!!!!*!! !!!!! !!*!!!!!!!!!!!!!!!!!*!!! !  !**!!!!*!!!! ! !  *!!!!!*!!

logo

NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  ALCFAAALFVQGLTRRLQVSESLAEQRAADVANLEALNALILQRMRTGILVLDELHRVLLANQGANHLLGHTDLTGKILD  239
NTDB id 1472 PAKAF RS23995 WP 016253893.1      TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                       !!!!!!! *!*! !!    *!*!!! !!  !!!!! !!!!!!!!!!!!!!!!*!  * *!!!!!*! *!! * !* !  !

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NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  PHCPELIKRMQQWSHNPSLHPASLQAAPDGRVLQPSFIALQRGEHKHTLVFLDDISQIAQQAQQLKLASLGRLTAGIAHE  319
NTDB id 1472 PAKAF RS23995 WP 016253893.1      RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                      *!*! !***! !! *!!!!*!**!   !!!* *!!!!! !*! ** ! !*!!*!!!!!!!!!!!*!!! !!!!!!!!!!!

logo

NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  IRNPLGAISHAAQLLQESEELEGPDLRLAQIIQDHSRRMNLVIENALQLSRRRQAEPQLLDLKYWLHRFASEFRSSAAPG  399
NTDB id 1472 PAKAF RS23995 WP 016253893.1      IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                      !!!!!!!!!!!!!!!!!!!!!!**!! !! !!!!!*!*!!!!!!!! !!!!!!!!!!!! !!!! !!*!!  !**    *

logo

NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  QTLHLETSSGSIQTRMDPHQLTQVLSNLVENGLRYSAQKNRHGQVWLKLFRDPESELPVLEVLDDGPGVSEEQLHHLFEP  479
NTDB id 1472 PAKAF RS23995 WP 016253893.1      SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                        !!!    ! !!!!!!!!!! !!!!!!! !!!!!!!! * *!!!!! ! !!!!!*!!!!!**!!!!!!* * !**!!!!

logo

NTDB id 1002531 ABFT82 RS21675 WP 090381648.1  FYTTENKGTGLGLYLSRELCESNQARLDYKLREGGGSCLRITFAHPRKLS  529
NTDB id 1472 PAKAF RS23995 WP 016253893.1      FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS  530
consensus                                      !*!!! !!!!!!!!*!!!!!!!!!!!*!!* !! !! ! !!!!!!!!!!!
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X non conserved
X similar
X $\geq$50% conserved