```
logo
NTDB id 334341 EPZ47 RS25415 WP 135847228.1  MIAEASSPRVKQAQRLLRLYHLYRLSIGITLVLLISSKLDNRLLEFANDDLLRSGSWLYLVLNILLVVFLENTRRPARLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !!   *   !*!!*!!!!!!!!!*!!* !!!!!!! !*  *!   ***! * !!!*!!! !!!* *!!***! * **!

logo

NTDB id 334341 EPZ47 RS25415 WP 135847228.1  GLALTDVLLLSWLFFAAGGAPSAIGNLLIVSVAIGNTLLRGRIGLLIAAVATIGIVGSSFFLDLGDSNRPSSYLQAGTLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!!!!!!*!* !!*!*!! !!*!! !!*! !!!*! !!!!!!!!*!!! !**!**  *!!! !  *  * *!*!!! !!

logo

NTDB id 334341 EPZ47 RS25415 WP 135847228.1  ALCFAAALVVQGLTRRLEASETLAEQRASEVIGLEALNALILQRMRTGILVLDRQRRVQLANESALNLLGMHDLVGQQLD  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!*! !! ! *!!!!! !!  !  !! !!!!!!!!!!!!!!!*!    * !!!  !! !!  *!* !  !

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NTDB id 334341 EPZ47 RS25415 WP 135847228.1  DYSIALVESLQLWRNNPSLRPPSLTVTSTGLTLQPSFIALGHNEQHQILVFLEDLAQVAQQAQQLKLASLGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!* !**** !! !!!!!!!*! ! * !*!*!!!!! ! * * ***!*!!!!* !*!!!!!!*!!! !!!!!!!!!!!

logo

NTDB id 334341 EPZ47 RS25415 WP 135847228.1  IRNPLGAISHAAQLLRESEELNDADRRLTQIIQDHSQRMNRVIENVLQLSRRQQTTPQRLDLRAWLEQFVRQAQENASEH  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!!!!!!!!! !!!!!  *!!!!!!!!!!*! !!! !!!!!!!!!!! !  !! !!!* !!  !!   *     *

logo

NTDB id 334341 EPZ47 RS25415 WP 135847228.1  QQLHVSIDPGDYTTLMDPDQLTQVLDNLLRNAWRHSAQVHEQAEAWLKLFIDPHSQLSTLDIIDNGPGVTPDQQVHLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     !!* * *!!  ! !!!*!! !!! !!* !* !*!!! !  *  !! !  !!*! !* !*!!! !!!!**!   *!!!!

logo

NTDB id 334341 EPZ47 RS25415 WP 135847228.1  FFTTSSQGTGLGLYLSRELCESNQARLDFKPR.QGGGCFRITFAHGRKQI   529
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS   530
consensus                                    !!!! ! !!!!!!!!!!!!!!!!!!!!*!***!* !!!!!!!!!!!!*!!
```

X non conserved
X similar
X $\geq$ 50% conserved