```
logo
NTDB id 319875 D9N00 RS27285 WP 003381271.1  MTADTPSLTSPQAQRILRLYHLYRLTIGVVLVLLISSSLETELLQLANQNLFRSGCWLYLVFNILVVVLLERPSRQAQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1    MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                    ! !* * !* *!*!!!!!!!!!!!!!!!!*!!!!!!!! !!   *! ! ** !!* !*!*!!!!!!!! * !***    **!

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  GLAMTDAIMLSALFYAAGGPSSGIGNLLIASVAISNVLLRGRIGLLIAAVSAIGIIYLTFYISFGTPSVSNDYVQAGSLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1    ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                     !!*!! *!!**!!!!*!!**!!!! !!*  !!! !*!!!!!!!!*!!!   *!**!!!!**!  *!  *!*!!!!! !!

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  ALCFAAALLVQALTARLQVSEGLAEQRAADVDSLEELNALILQRMRTGILVLDARRQVLLANQGALTLLGHERLVGQVLD  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1    TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                     !!!!!!!**!!!  !   *! !!! !!  !  !!!!!!!!!!!!!!!!!!*! !  *!!!!!*!! !! ** * !  *

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  AYSPQLVERLRQWLINPIMVPRSITTSSIGPVLQPSFAALNRGDQRQTLIFLEDLSQIAHQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1    RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!! !*****!! *!! * !***   * !! *!!!!  !!! !  * !!!!!!*!!!!*!!!!*!!!*!!!!!!!!!!!

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  IRNPLGAVSHAAQLLNESEDLSAPDRRLGQIIHDQSQRIDRVIENVLQLSRRREAQPELLDLKVWLENFVSDFRSSAATD  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1    IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                    !!!!!!!*!!!!!!!*!!!*! !!!!!! !!!*!!! !*  !!!!!!!!!!!! ! !  !!!! !!  !! ***     !

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  QSIHVQISPGMLTTRMDAGQLTQIITNLVQNGLRYSSRSHPSAQVWLKLQPDRESDLPILEVLDDGPGVSEQHLSKIFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1    SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                     *!*!* *! * !!!!**!! !***!!!!!!!!!!   !* *!!!! ! *!*!!!!!*!!**!!!!!!*  *!  *!!!

logo

NTDB id 319875 D9N00 RS27285 WP 003381271.1  FFTTESKGTGLGLYLSRELCESNQAHLEYLPRLHDGGSCLRITFAHPFKTS  531
NTDB id 1472 PAKAF RS23995 WP 016253893.1    FFTTESKGTGLGLYLSRELCESNQARIDYRNR.EEGGGCFRITFAHPRKLS  530
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!***! *!***!! ! !!!!!!! ! !
```

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