```
logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  MTAEPLSLGSAQAQRILRLYHLYRLVIGVLLVSLISSSLDTELLQMANPNLFRAGCWLYLVSNILVVVLLERPSRQSHLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1      MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                      ! !!*! !    !*!!!!!!!!!!!! !!**!! !!!! !*  *! * *! !!* !*!*!!! !!!! * !***     *!

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  SLALADAIMLSGLFYAAGGPSSGIGNLLIASVAISNVLLRGRIGLLIAAVSAIGIIYLTFYISLGTPSVSSDYVQAGLLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1      ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                       !!! ! *!!*!!!!!*!!**!!!! !!*  !!! !*!!!!!!!!*!!!   *!**!!!!**!! *!  * *!!!!! !!

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  AMCFAAAMLVQALTARMLNSEVLAKQRAADVDNLEELNDLILQRMRTGILVLDARRQVLLANQGALNLLGHEQLVGEVID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1      TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                       *!!!!!***!!!   !  **! !!  !!  ! !!!!!! !!!!!!!!!!!!*! !  *!!!!!*!! !! ** * !  *

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  HYCPQLVDRLRHWLINPVMVPRSLSTSAIGPELQPSFAAVNRGDQLQTLIFLEDLSQVAHQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1      RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                      ***! !******! *!! * !**!   * !! *!!!!  *!! !  * !!!!!!*!!*!*!!!!*!!!*!!!!!!!!!!!

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  IRNPLGAVSHAAQLLNESEELTAPDRRLGQIIHDQSRRINLVIENVLQLSRRREAQREVLDLKYWLEAFVAEFRSTAPPD  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1      IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                      !!!!!!!*!!!!!!!*!!!!! !!!!!! !!!*!!!*!*!!!!!!!!!!!!!! ! *  !!!! !!  !! !**   **!

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  QRVETEIGVGMLTTRMDPEQLNQVVTNLLQNGLRYSRQHHSTAQVLLRLYHDQKSDLPTLEVLDDGPGVSEKHLSRLFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1      SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                        **  *! ! * !!!!!*!!!!!**!!*!!!!!!! !*!  *!! ! ! *!* !!!! !!**!!!!!!*  *!  !!!!

logo
NTDB id 1110559 ACOC81 RS04805 WP 122411509.1  FFTTESKGTGLGLYLSRELCESNQAHLDYAPREGGGSCMRITFAHPFKPS  530
NTDB id 1472 PAKAF RS23995 WP 016253893.1      FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS  530
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!**!! *!! !! ! !!!!!!! !*!
```

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