```
logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  MTAESLSLATPQAQRILRLYHLYRLSIGILLVLLISSSLDAELLELADIELFRTGCWLYLVFNILVVVLLERPSRQGQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1     MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                     ! !! ! !   *!*!!!!!!!!!!!!*!!**!!!!!!! !*  *! ! **!!!* !*!*!!!!!!!! * !***    **!

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  TLAMTDTLMLAALFYAGGGAPSGIGNLIVASVAISNVLLRRHTGLLIAALSAIGIIYLTFYISYHKPAASNHFVQAGSLG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1     ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                      !!*!! !!!**!!!!!!! !!!!! !*!  !!! !*!!! * !!*!!!   *!**!!!!**! * ! !*!!*!!!! !!

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  ALCFAAALVVQTLASRLQVSEDIAERRAADVDNLEELNGLILQRMRTGILVLDSSREVLLANQSALNLLGHERLLGEITD  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1     TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                      !!!!!!!**! !  !   *! *!! !!  ! !!!!!!*!!!!!!!!!!!!!*!!   *!!!!! !! !! ** * !  *

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  AYSPQLVERLRQWLINPSMVPRSITTSAIGPVLRPGFVALTRGNHRHTLVFLDDLSQISQQAQQLKLAALGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1     RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                      *!! !*****!! *!!!* !***   * !! * ! !* ! !  * ! !*!!*!*!!! !!!!!*!!!*!!!!!!!!!!!

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  IRNPLGAISHAAQLLGESEELSGADQRLSQIIQDQSRRMNLVIENVLQLSRRRQTEPHLLDLKQWLEHYVEELRGSLPAD  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1     IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                     !!!!!!!!!!!!!!! !!!!! **! !!*!!!!!!!*!!!!!!!!!!!!!!!!! !!* !!!! !! **!*! *! !* !

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  QAVHLDISPGTLTTRMDAEQLQQVMTNLVQNGLRYSGQLHQNAQVWLRLFHAPYSELPSLDVMDDGPGVAEEHLTKIFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1     SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                      *!! * *! * !!!!**!!*!!**!!!!!!!!!!*! !  *!!!! ! * ! !*!! !***!!!!!!* **!   *!!!

logo
NTDB id 988845 AAGQ88 RS23300 WP 342653705.1  FFTTESKGTGLGLYLSRELCESNQASLNYTPRQGGGSCMRITFAHPFKLS  530
NTDB id 1472 PAKAF RS23995 WP 016253893.1     FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS  530
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!! * ! *!  !! ! !!!!!!! !!!
```

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