```
logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  MIADTSVQNSKQGQRILRLYHFYRLSIGLALILLISSNLDEQLLDVVHIELFRTGSWVYLILNIFIAVLVQKPKHLVQLF   80
NTDB id 1472 PAKAF RS23995 WP 016253893.1     MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIF   80
consensus                                     ! !*        !!!!!!!!!! !!!*!!! !*!!!!! !**!*! *!!*!!!* !!!*!!* !!  *!* ******!***!

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  SLALVDVIFLSALFYAAGGTPSGIGNLLVVAVAIANILLRGRIGLLIAAIAAMALIYLTFYLSLSRPAAAAQYVQAGALG  160
NTDB id 1472 PAKAF RS23995 WP 016253893.1     ILALTDVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLG  160
consensus                                      !!! !!* !**!!!!*!! !!!!! !!!!!!!!!!!!!!!!!!!!*!!! ! **!*!!!!*!!!! ! !  *!!!!!*!!

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  ALCFAGALFIQGITRRLQVSESLAEQRAADVANLEELNEQILQRMRTGILVLDTQHRVLLTNQGAKQLLGRGELTGKIID  240
NTDB id 1472 PAKAF RS23995 WP 016253893.1     TLCFAAALVIQALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLG  240
consensus                                      !!!!*!! !!** !!   *!*!!! !!  !!!!!!!!  !!!!!!!!!!!*!* * *!! !!*!  !!   ** !  *

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  PHCPELVKRLQQWLHNPTLRPDSLQAQVDGPVLQPSFISLQRGDQQHTLVFLDDISQIAQQAQQLKLASLGRLTAGIAHE  320
NTDB id 1472 PAKAF RS23995 WP 016253893.1     RHSPMLMHCMKQWRLNPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHE  320
consensus                                     *!*! !**** !! *!!*!!!**!   *!!! *!!!!!!!*! ! !! !*!!*!!!!!!!!!!!*!!! !!!!!!!!!!!

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  IRNPLGAISHAAQLLQESEDLHGPDQRLAQIIQDHSKRMNLVIENVLQLSRRRQAEPQLLDLKYWLHRFASEFRSSAPAD  400
NTDB id 1472 PAKAF RS23995 WP 016253893.1     IRNPLGAISHAAQLLQESEELDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRND  400
consensus                                     !!!!!!!!!!!!!!!!!!!*!**!! !! !!!!!*!!!!!!!!!!!!!!!!!!!!!!! !!!! !!*!!   !**   * !

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  RQLHLEARGGGLQTRMDPHQLNQVLTNLVQNGLRYSAQKHRLGQVWLRLFRDAESDLPVLEILDDGPGVPPEQEPHIFEP  480
NTDB id 1472 PAKAF RS23995 WP 016253893.1     SELHLQLGAGDIQTRMDPHQLNQVLSNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEP  480
consensus                                      !!!    *!  *!!!!!!!!!!!!!!*!!!!!!!!!!!! !  !!!!! ! !!*!!!!!!!!!*!!!!!!!**   ***!!!

logo
NTDB id 993843 AAEQ75 RS03130 WP 343352318.1  FYTTENKGTGLGLYISRELCESNQARLDYKPREGGGSCFRITFAHPRKLS  530
NTDB id 1472 PAKAF RS23995 WP 016253893.1     FFTTESKGTGLGLYLSRELCESNQARIDYRNREEGGGCFRITFAHPRKLS  530
consensus                                     !*!!! !!!!!!!!*!!!!!!!!!!!!*!!**!! !! !!!!!!!!!!!!!
```

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