```
logo
NTDB id 149803 IYO RS24920 WP 003381271.1   MTADTPSLTSPQAQRILRLYHLYRLTIGVVLVLLISSSLETELLQLANQNLFRSGCWLYLVFNILVVVLLERPSRQAQLFGLAMT   85
NTDB id 1472 PAKAF RS23995 WP 016253893.1   MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIFILALT   85
consensus                                   ! !* * !* *!*!!!!!!!!!!!!!!!!*!!!!!!!! !!   *! ! ** !!* !*!*!!!!!!!! * !***    **! !!*!

logo
NTDB id 149803 IYO RS24920 WP 003381271.1   DAIMLSALFYAAGGPSSGIGNLLIASVAISNVLLRGRIGLLIAAVSAIGIIYLTFYISFGTPSVSNDYVQAGSLGALCFAAALLV   170
NTDB id 1472 PAKAF RS23995 WP 016253893.1   DVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLGTLCFAAALVI   170
consensus                                   ! *!!**!!!!*!!**!!!! !!*   !!! !*!!!!!!!!*!!!   *!**!!!!**!  *!  *!*!!!!! !! !!!!!!!**

logo
NTDB id 149803 IYO RS24920 WP 003381271.1   QALTARLQVSEGLAEQRAADVDSLEELNALILQRMRTGILVLDARRQVLLANQGALTLLGHERLVGQVIDAYSPQLVERLRQWLI   255
NTDB id 1472 PAKAF RS23995 WP 016253893.1   QALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL   255
consensus                                   !!!  !   *! !!! !!  !  !!!!!!!!!!!!!!!!!!*! !  *!!!!!*!! !! ** * !  *  *!! !*****!! *

logo
NTDB id 149803 IYO RS24920 WP 003381271.1   NPIMVPRSITTSSIGPVLQPSFAALNRGDQRQTLIFLEDLSQIAHQAQQLKLAALGRLTAGIAHEIRNPLGAVSHAAQLLNESED   340
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLLQESEE   340
consensus                                   !! * !***   * !! *!!!!  !!! !  * !!!!!!*!!!!*!!!!*!!!*!!!!!!!!!!!!!!!!!!*!!!!!!!*!!!*

logo
NTDB id 149803 IYO RS24920 WP 003381271.1   LSAPDRRLGQIIHDQSQRIDRVIENVLQLSRRREAQPELLDLKVWLENFVSDFRSSAATDQSIHVQISPGMLTTRMDAGQLTQII   425
NTDB id 1472 PAKAF RS23995 WP 016253893.1   LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRNDSELHLQLGAGDIQTRMDPHQLNQVL   425
consensus                                   ! !!!!!! !!!*!!! !*  !!!!!!!!!!!! ! !  !!!! !!  !! ***      !  *!*!* *! * !!!!**!! !**

logo
NTLVQNGLRYSSRSHPSAQVWLSLQRDRESDLPYLEYLDDGPGVSEQKLSNLFEPFFTTESKGTGLGLYLSRELCESNQAHLEYL   510
SNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR   510
consensus                                   *!!!!!!!!!!   !* *!!!! ! *!*!!!!!*!!**!!!!!!* *!  *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!***!

logo
NTDB id 149803 IYO RS24920 WP 003381271.1   PRLHDGGSCLRITFAHPFKTS   531
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NR.EEGGGCFRITFAHPRKLS   530
consensus                                   *!***!! ! !!!!!!! ! !
```

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