```
logo

NTDB id 397298 N028 RS03470 WP 003403505.1  MTADSPSLVSPQAQRILRLYHLYRLTIGVVLVLLISSSLETELLQLANPNLFRSGCWLYLVFNILVVVLLERPSRQAQFFGLAMT   85
NTDB id 1472 PAKAF RS23995 WP 016253893.1   MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIFILALT   85
consensus                                   ! !* * !  *!*!!!!!!!!!!!!!!!*!!!!!!!! !!  *! ! *! !!* !*!*!!!!!!!! * !***    * ! !!*!

logo

NTDB id 397298 N028 RS03470 WP 003403505.1  DAIMLSALFYAAGGPSSGIGNLLIASVAISNVLLRGRIGLLIAAVSAIGIIYLTFYISFGTPSVSNDYVQAGSLGALCFAAALLV  170
NTDB id 1472 PAKAF RS23995 WP 016253893.1   DVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLGTLCFAAALVI  170
consensus                                   ! *!!**!!!!*!!**!!!! !!*  !!! !*!!!!!!!!*!!!   *!**!!!!**!  *!  *!*!!!!! !! !!!!!!!** 

logo

NTDB id 397298 N028 RS03470 WP 003403505.1  QALTARMQVSEVLAEQRAADVDSLEALNALILQRMRTGILVLDANHQVLLANQGALHLLGQEQLVGQIIDTCSPQLVERLRQWLV  255
NTDB id 1472 PAKAF RS23995 WP 016253893.1   QALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL  255
consensus                                   !!!  !   *! !!! !!  !  !! !!!!!!!!!!!!!!!*!  * *!!!!!*!!*!! !* * !  *   !! !*****!! *

logo

NTDSMVPRTLTWPVGPWQPSFITLNREDQRQVLVFLEDLSQIAHQAQQMKLAGLGRLTAGIAHEIRNPLGAYSHAAQLLNESEE
NTDSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLLQESEE

NTDB id 397298 N028 RS03470 WP 003403505.1  NPIMVPRSITTAPVGLVLQPSFATLNRGDQRQTLVFLEDLSQIAHQAQQLKLAALGRLTAGIAHEIRNPLGAVSHAAQLLNESEE  340
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLLQESEE  340
consensus                                   !! * !***   ! !* *!!!! *!!! !  * !*!!!!*!!!!*!!!!*!!!*!!!!!!!!!!!!!!!!!!!*!!!!!!!*!!!!

logo

NTDB id 397298 N028 RS03470 WP 003403505.1  LSAADRRLGQIIHEQSGRIDRVIENVLQLSRRREAQPELLDLKTWLEHFVAEFRSSAAPNQKIHVDISPGTLTTRMDSGQLTQIM  425
NTDB id 1472 PAKAF RS23995 WP 016253893.1   LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRNDSELHLQLGAGDIQTRMDPHQLNQVL  425
consensus                                   ! !*!!!! !!!**!! !*  !!!!!!!!!!!! ! !  !!!! !! *!! !**    *   *!* * *! * !!!!**!! !**

logo

NTDB id 397298 N028 RS03470 WP 003403505.1  TNLVQNGLRYSGKNHPSAQVWLKLHNDQKSDLPTLEVLDDGPGVSEQHLSKMFEPFFTTESKGTGLGLYLSRELCESNQAHLEYA  510
NTDB id 1472 PAKAF RS23995 WP 016253893.1   SNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR  510
consensus                                   *!!!!!!!!!!*  !* *!!!! !* !* !!!! !!**!!!!!!*  *!  *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!***!

logo

NTDB id 397298 N028 RS03470 WP 003403505.1  PRPTGGSCLRITFAHPFKTS   530
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NREEGGGCFRITFAHPRKLS   530
consensus                                   *!* !! ! !!!!!!! ! !
```

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