```
logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  MGTENLTFFGDQGRRILRLYHLYRLTIGLALVLLISSDLHNDLLQMSNPQLFQYGAWLYLILNIIVAVLVQSSPERDLPVLSLALM   85
NTDB id 1472 PAKAF RS23995 WP 016253893.1   MRAERLRLSEEQGQRILRLYHLYRLTIGLVLVLLISSELEDQVLKLVHPELFHVGSWCYLVFNILVALFLPPSRQLLPIFILALT   85
consensus                                   !  !!!    *!! !!!!!!!!!!!!!!! !!!!!!!*!*  *! * *! !!* ! !*!!* !!*!!* ****   !!*  !!!

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  DVILLSGLFYFGGGTPSGIGNLLIVAVAIANILLRGRVGFFIAAVAATGLIYLTFYLSISRSEASSQYVQAGALGTLCFAAAFLV   170
NTDB id 1472 PAKAF RS23995 WP 016253893.1   DVLMLCGLFYAGGGVPSGIGSLLVVAVAIANILLRGRIGLVIAAAASLGLLYLTFFLSLSSPDATNHYVQAGGLGTLCFAAALVI   170
consensus                                   !!**!*!!!! !!! !!!!! !!*!!!!!!!!!!!!!*!  !!! !  !!*!!!!*!!*! **!* *!!!!!*!!!!!!!!! **

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  QGLTRRLQVSETLARQRAEEVANLEALNALILQRMRTGIMVLDPQERVLLANQGALQLLGQESLAGERLAPRCPELLKALQHWRG   255
NTDB id 1472 PAKAF RS23995 WP 016253893.1   QALVRRQEQTETLAEERAETVANLEELNALILQRMRTGILVVDSRQAILLANQAALGLLRQDDVQGASLGRHSPMLMHCMKQWRL   255
consensus                                   !*! !!   *!!!! !!! !!!!! !!!!!!!!!!!!!*!*!*   *!!!!!*!! !! !* * !  !****! !**** *!!

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  NPTLRPPNLKATPGGPTLQPSFAALQHGNKLDTLVFLEDISQIAQKAQQLKLASLGRLTASIAHEIRNPLGAISHAAQLLQESEE   340
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NPSLRPPTLKVVPDGPTVQPSFISLNREDDQHVLIFLEDISQIAQQAQQMKLAGLGRLTAGIAHEIRNPLGAISHAAQLLQESEE   340
consensus                                   !!*!!!! !!  ! !!!*!!!!  !**    * !*!!!!!!!!!! !!!*!!! !!!!!! !!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  LDGPDRRLAQIIQDHSRRMNLVIENVLQLSRRRQAEPQLLDLKYWLHRFVSEFRQGLSPQQTVHLETIGSSLQTRMDPNQLTQVL   425
NTDB id 1472 PAKAF RS23995 WP 016253893.1   LDAPDRRLTQIIQDQSKRMNLVIENVLQLSRRRQAEPQQLDLKEWLQRFVDEYPGRLRNDSELHLQLGAGDIQTRMDPHQLNQVL   425
consensus                                   !!*!!!!! !!!!!*!*!!!!!!!!!!!!!!!!!!!!!! !!!! !!*!!! !**  ! *   *!!   *  *!!!!!!*!! !!!

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  TNLVQNGLRYSGKEHDRAQVWLRLFRDEASDLPVVEYLDDGPGIAAEQLHNVFEPFFTTESKGTGLGLYLSRELCESNQARLDYR   510
NTDB id 1472 PAKAF RS23995 WP 016253893.1   SNLVQNGLRYSAQAHGRGQVWLSLARDPESDLPVLEIIDDGPGVPADKLNNLFEPFFTTESKGTGLGLYLSRELCESNQARIDYR   510
consensus                                   *!!!!!!!!!!*  ! !*!!!! ! !!* !!!!!*!**!!!!**!* !*!*!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!*!!!

logo
NTDB id 48299 PSTAA RS18650 WP 013984075.1  ERAEGGSCFRIVFAHPRKLS   530
NTDB id 1472 PAKAF RS23995 WP 016253893.1   NREEGGGCFRITFAHPRKLS   530
consensus                                   ! !!! !!!! !!!!!!!!
```

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