```
logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  MKEMKRKSVGCYVRVSTISQDIDKFSINGQITQIKEYCQFHGYEVFDIYADRGVSGKTMNRPELQRMLKDAKEGKLDCVM   80
NTDB id 11 SA RS00430 WP 001186602.1           MQQLKTKRVGIYVRVSTEMQSTEGYSIDGQINQIKEYCDFHHFEVKDIYADRGISGKSMNRPELQRILKDAKEGYIDCVM   80
consensus                                      !  *! ! !!*!!!!!!  !  * *!! !!! !!!!!! !!**!! !!!!!!!*!!!*!!!!!!!!*!!!!!!! *!!!!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  IYKTSRLARNTSDLLTIVEGLHKQNVEFFSLSENMKFDSNSGKLLLQILASFSEFERNNIAEGAYMGQLRRSQEGYYQGN  160
NTDB id 11 SA RS00430 WP 001186602.1           VYKTNRLARNTSDLLKIVEDLHKQNVEFFSLSERMEVNTSSGKLMLQILASFSEFERNNIVENVFMGQTRRAQEGYYQGN  160
consensus                                      *!!!! !!!!!!!!!! !!! !!!!!!!!!!!!!! !   * !!!!*!!!!!!!!!!!!!!! !  *!!! !! !!!!!!!!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  LPLAYDKIPDSKHELMINQHEANIVKYIFESYAKGHGYRKIANALNHKGYVTKKGNPFSISAVTYILSNPFYIGKIQFAK  240
NTDB id 11 SA RS00430 WP 001186602.1           LPLGYDKIPNSKHELMINQHEANIVKYIFESYAKGHGYRKIANALNHKGYVTKKGKPFSISSITYILANPFYIGKIQFAK  240
consensus                                      !!!*!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!! *!!!! !!!!!!!!!!!!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  YKDWNDKRRKGLNDKPVIAEGKHTPIISQSLWDKVQARKKQVSEKPQVHGKGTNLLTGLISCPQCSAPMAASNTTNTLKD  320
NTDB id 11 SA RS00430 WP 001186602.1           YKDWSEKRRKGLNDKPVIAEGKHSPIINQDLWDKVQMRKKQVSQKPQVHGKGTNLLTGIIHCPQCGAPMAASNTTNTLKD  320
consensus                                      !!!! *!!!!!!!!!!!!!!!!!*!!! ! !!!!!! !!!!!! !!!!!!!!!!*!!!*!*!!!! !!!!!!!!!!!!!!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  GTKKRIRYYSCSNFRNKGSKVCSANSVRADVIEKYVMDQILEIVKSNKVLKQVVERVNQENQVDVAALNHDIAYKQQQFD  400
NTDB id 11 SA RS00430 WP 001186602.1           GTKKRIRYYSCSNFRNKGSKVCSANSVRADVIEDYVMKQILEIVKSDKVIQRVVTHVNQENQVDGAALHHDIAYKQQQYD  400
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!! !!!!!!!! !!*  !! *!!!!!!!! !!!*!!!!!!!!!*!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  EINTKLKNLIQTIEDNPDLASTLKPTIHQYETQLNDITNQMNQLKQQQNQEKPSYDTKQIALLLQRIFQNIESMDKSQLK  480
NTDB id 11 SA RS00430 WP 001186602.1           EVQIKLNNLIKTIEDNPDLTSVIRPSIQKYEKQLNDITNQINQLKNQQNEDKPLFDAKEISKLLQHIFHDIKHIEKSRLK  480
consensus                                      !** !! !!!  !!!!!!!! ! **!*!* !! !!!!!!!!*!!!!*!!!  *!! *!  ! !  !!!*!!*  ! ***!! !!

logo

NTDB id 1062323 ACF0HT RS00180 WP 071331188.1  ALYLTVIDRIDIRKDGNHKKQFYVTLKLNNEIIKQLFNNTPLDEVLLSTSSLFLPQTIFLQI  542
NTDB id 11 SA RS00430 WP 001186602.1           ALYLSVIDRIDIKKDGNHKKQFYVTLKLNNEIIKQLFNNKQLDEVHLSTSSLFLPQTLYLTI  542
consensus                                      !!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!! *!!!!*!!!!!!!!!!!!**! !
```

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