```
logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  MQQLKQKRVGIYVRVSTEIQSTEGYSIDGQINQIREYCDFNNFVVVDVYADRGISGKSMNRPELQRLLKDANEGQIDSVM   80
NTDB id 11 SA RS00430 WP 001186602.1           MQQLKTKRVGIYVRVSTEMQSTEGYSIDGQINQIKEYCDFHHFEVKDIYADRGISGKSMNRPELQRILKDAKEGYIDCVM   80
consensus                                      !!!!! !!!!!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!**! ! !*!!!!!!!!!!!!!!!!!!!*!!!!! !! !!*!!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  VYKTNRLARNTSDLLKIVEDLHRQNVEFFSLSERMEVNTSSGKLMLQILASFSEFERNNIVENVFMGQTRRAQEGYYQGN  160
NTDB id 11 SA RS00430 WP 001186602.1           VYKTNRLARNTSDLLKIVEDLHKQNVEFFSLSERMEVNTSSGKLMLQILASFSEFERNNIVENVFMGQTRRAQEGYYQGN  160
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  LPLGYDKIPDSKHELMINQHEANIVKYIFESYAKGHGYRKIANALNHKGYVTKKGKPFSIGSVTYILSNPFYVGKIQFAK  240
NTDB id 11 SA RS00430 WP 001186602.1           LPLGYDKIPNSKHELMINQHEANIVKYIFESYAKGHGYRKIANALNHKGYVTKKGKPFSISSITYILANPFYIGKIQFAK  240
consensus                                      !!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  YKDWNEKRRKGLNDKPIIAEGKHSPIIIQDLWDKVQLRKKQVSQKPQVHGKGTNLLTGIVHCPQCGAPMAASNTTNTLKD  320
NTDB id 11 SA RS00430 WP 001186602.1           YKDWSEKRRKGLNDKPVIAEGKHSPIINQDLWDKVQMRKKQVSQKPQVHGKGTNLLTGIIHCPQCGAPMAASNTTNTLKD  320
consensus                                      !!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  GTKKRIRYYSCSNFRNKGSKVCSANSVRADVIEKYVMDQILEIVKSDKVINQVLERVNQENKVDIGALNHDIAYKQQQYD  400
NTDB id 11 SA RS00430 WP 001186602.1           GTKKRIRYYSCSNFRNKGSKVCSANSVRADVIEDYVMKQILEIVKSDKVIQRVVTHVNQENQVDGAALHHDIAYKQQQYD  400
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  EVSGKLHNLVKTIEDNPDLTSALKATIHQYETQLNDITNQMNQLKQQQNQEKLSYDTKQIAALLQRIFQNIESMDKAQLK  480
NTDB id 11 SA RS00430 WP 001186602.1           EVQIKLNNLIKTIEDNPDLTSVIRPSIQKYEKQLNDITNQINQLKNQQNEDKPLFDAKEISKLLQHIFHDIKHIEKSRLK  480
consensus                                      !!   !!*!!*!!!!!!!!!!!! ****!* !! !!!!!!!!*!!!!*!!!! *!* *! ! !   !!!*!!* ! ***!   !!

logo

NTDB id 67525 JMUB0001 RS00325 WP 001186596.1  ALYLTVIDRIDIRKDGNHKKQFYVTLKLNNEIIKQLFNNTPLDEVLLSTSSLFLPQTLFLQI  542
NTDB id 11 SA RS00430 WP 001186602.1           ALYLSVIDRIDIKKDGNHKKQFYVTLKLNNEIIKQLFNNKQLDEVHLSTSSLFLPQTLYLTI  542
consensus                                      !!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!
```

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