```
logo
NTDB id 290111 CSC51 RS02550 WP 061642462.1  MTQLKKKRIGLYARVSTEMQ.TDGYSIHGQLNQLTEYCQFQGYEVVDEYTDRGISGKTTQRPELQRMLKDAKGGKLDGIM   79
NTDB id 11 SA RS00430 WP 001186602.1         MQQLKTKRVGIYVRVSTEMQSTEGYSIDGQINQIKEYCDFHHFEVKDIYADRGISGKSMNRPELQRILKDAKEGYIDCVM   80
consensus                                    ! !!! !!*!*! !!!!!!!*!*!!!!*!!*!!* !!! !***!! ! ! !!!!!!!* *!!!!!!*!!!!! ! *!**!

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  VYNTTRLARNTSDLLNIVEELYEINVEFFSLTEKIEIASSTGKLMLQILASFAEFERNVIVENVFNGQRQRAIEGYYQGN  159
NTDB id 11 SA RS00430 WP 001186602.1         VYKTNRLARNTSDLLKIVEDLHKQNVEFFSLSERMEVNTSSGKLMLQILASFSEFERNNIVENVFMGQTRRAQEGYYQGN  160
consensus                                    !! ! !!!!!!!!!!! !!!*!*  !!!!!!!*!**!* *!*!!!!!!!!!!!! !!!!! !!!!!! !!  !! !!!!!!!

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  LPLGYDKVPESKKELMINQHEANIVKYIFESYAKGHGYRKIANTLNHKGYVTKKGKPFSISSITYIISNPFYIGKIQFAK  239
NTDB id 11 SA RS00430 WP 001186602.1         LPLGYDKIPNSKHELMINQHEANIVKYIFESYAKGHGYRKIANALNHKGYVTKKGKPFSISSITYILANPFYIGKIQFAK  240
consensus                                    !!!!!!!*! !!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!* !!!!!!!!!!!!

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  YRHWSDKRRKGLNEEPIIADGKHAPIIDKALWDKVQFKRQESRKKPQVHGKGTNLLTGIVKCPKCGAAMAASNTTNTLKD  319
NTDB id 11 SA RS00430 WP 001186602.1         YKDWSEKRRKGLNDKPVIAEGKHSPIINQDLWDKVQMRKKQVSQKPQVHGKGTNLLTGIIHCPQCGAPMAASNTTNTLKD  320
consensus                                    !**!!*!!!!!!!* !*!!*!!! !!!   !!!!!! **     !!!!!!!!!!!!!!!!**!! !!!*!!!!!!!!!!!!

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  GTKKRIRYYSCSNFRNKGSKVCSANSVRADVLEKYVMDQILEIIKSKKVLKQLVEKVNEQSQIDKSSLNHDIAYKQSQCE  399
NTDB id 11 SA RS00430 WP 001186602.1         GTKKRIRYYSCSNFRNKGSKVCSANSVRADVIEDYVMKQILEIVKSDKVIQRVVTHVNQENQVDGAALHHDIAYKQQQYD  400
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*! !!! !!!!!*!! !!*  *! *!!   !*!   !*!!!!!!! !**

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  ELKAKMHTLTKTIEDSPDLDSVLKPTILNYQDELNQINNQIHQLEQDKQAEAPHYDADMIANVLQAIFKDIDKLEKSQLK  479
NTDB id 11 SA RS00430 WP 001186602.1         EVQIKLNNLIKTIEDNPDLTSVIRPSIQKYEKQLNDITNQINQLKNQQNEDKPLFDAKEISKLLQHIFHDIKHIEKSRLK  480
consensus                                    !*  !** ! !!!!! !!! !!**!*!  !   !! ! !!!*!! *  * * !**!!  !  *!!*!!*!! **!!! !!

logo

NTDB id 290111 CSC51 RS02550 WP 061642462.1  SLYLTVIDRIDIRNHEHHKKQFYVTLKLNNEIIKQLFNNRPLDEVLLSTSSLFLPQTLYLTIE  542
NTDB id 11 SA RS00430 WP 001186602.1         ALYLSVIDRIDIKKDGNHKKQFYVTLKLNNEIIKQLFNNKQLDEVHLSTSSLFLPQTLYLTI.  542
consensus                                     !!!*!!!!!!!* * *!!!!!!!!!!!!!!!!!!!!!!!**!!!!*!!!!!!!!!!!!*!*!!*
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X non conserved
X similar
X $\geq$ 50% conserved