```
logo
NTDB id 1029 TT RS02230 WP 011228203.1      ........MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKDLAIFSRQLATM   77
NTDB id 1198 PSJM300 03950 AFN76868.1       .MAQKAIKNSVFTWEGLDRQGAKIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS......AGKKIKPMDIALFTRQMATM   78
NTDB id 1016 ACIAD RS01680 WP 004920476.1   MAAKKTQVMPVFAYEGVDRKGIKLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGL....LKKKVKPLDIAIFTRQLATM   81
NTDB id 1059 ABD1 RS01610 WP 000279215.1    MAVKKAQMMPTFAYEGVDRKGVKIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEGL....FKKKVTTLDITIFTRQLATM   81
consensus                                   ******************!! !*********************!!**!**** ************    ********!***!*!!*!!!

logo
NTDB id 1029 TT RS02230 WP 011228203.1      LGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KIFSRLYVNLVRAGETSGGLDLILDRLASFLEKELEL   161
NTDB id 1198 PSJM300 03950 AFN76868.1       MKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQSGSLETLLDRVATYKEKTEAL   163
NTDB id 1016 ACIAD RS01680 WP 004920476.1   MKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLEIMLDRVAVYKEKSEVL   166
NTDB id 1059 ABD1 RS01610 WP 000279215.1    MKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQSGALETMLDRVAIYKEKSELL   166
consensus                                   **!!**!*!***!******!***!*******!**!**!***!*!****!**!** !***!!*!!*!***!!!*! **!!***!

logo
NTDB id 1029 TT RS02230 WP 011228203.1      RGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLPLLLLAVALFFAYRW.YYGTPQ   245
NTDB id 1198 PSJM300 03950 AFN76868.1       KAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQAWWYVVLAGFVGAAYAFKQAHTRSEK   248
NTDB id 1016 ACIAD RS01680 WP 004920476.1   KQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQDYWFILILVIGAAIAGFLEARKRSKR   251
NTDB id 1059 ABD1 RS01610 WP 000279215.1    KQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKWMQEYWFIMIIAIGAVIAAFLEAKKRSKK   251
consensus                                   **!!**!!*!!**!***!**!***!****!! !**** **!**!!**!******!************ * ***************

logo
NTDB id 1029 TT RS02230 WP 011228203.1      GRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEEIVEAAKLKIQQGDPLNLTLAQHPFVF   330
NTDB id 1198 PSJM300 03950 AFN76868.1       FRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNVVFRSATNKIKSDVSSGMQLNFSMR.TTGTF   332
NTDB id 1016 ACIAD RS01680 WP 004920476.1   FRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNTVYEQAVLKIREDVSTGQQLNFAMR.VSNRF   335
NTDB id 1059 ABD1 RS01610 WP 000279215.1    FRDGLDKLALKLPIFGDLVYKAIIARYSRTLATTFAAGVPLIDALESTAGATNNVIYEKAVMKIREDVATGQQLQFAMR.ISNRF   335
consensus                                   *!* *!*!*!**!* !****!***!!**!!******!!****!!****!** !**** **********!**!***** ****!

logo
NTDB id 1029 TT RS02230 WP 011228203.1      PPMVSSMVAIGEETGALDTMLSKVADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1198 PSJM300 03950 AFN76868.1       PSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAVLGVLVGGLIIAMYLPIFQMGSVV...   405
NTDB id 1016 ACIAD RS01680 WP 004920476.1   PIMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGILVGGLVIAMYLPIFQMGSVV...   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1    PSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAILGVLVGGLVIAMYLPIFQMGSVV...   408
consensus                                   !*!***!*!!!!!*!!!!*!! !!!**!! !!!**!**!! **!!*****!!**!!*****!*!!*!******
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X non conserved

X similar

X ≥ 50% conserved