```
logo
NTDB id 55659 TthTMY RS06985 WP 096410758.1  ........MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKDLAIFSR   72
NTDB id 1029 TT RS02230 WP 011228203.1       ........MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKDLAIFSR   72
NTDB id 1016 ACIAD RS01680 WP 004920476.1    MAAKKTQVMPVFAYEGVDRKGIKLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEGL....LKKKVKPLDIAIFTR   76
NTDB id 1198 PSJM300 03950 AFN76868.1        .MAQKAIKNSVFTWEGLDRQGAKIKGELSGVSPALVKAQLRKQGINPQKVRKKSISLFS......AGKKIKPMDIALFTR   73
consensus                                      * *   **!*** **!!*!* * * ******  * **!!  !************* ********** * **!*!*!*!

logo

NTDB id 55659 TthTMY RS06985 WP 096410758.1  QLATMMLGAGLTLLQSLAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KIFSRLYVNLVRAGETSGGLDVILDRL  151
NTDB id 1029 TT RS02230 WP 011228203.1       QLATMLGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KIFSRLYVNLVRAGETSGGLDLILDRL  151
NTDB id 1016 ACIAD RS01680 WP 004920476.1    QLATMMKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLEIMLDRV  156
NTDB id 1198 PSJM300 03950 AFN76868.1        QMATMMKAGVPLLQSFDIIGEGFDNPNMRKLVDDLKQEVAAGNSFASSLRKKPQYFDDLYCNLVDSGEQSGSLETLLDRV  153
consensus                                    !*!!!* !!**!*!  *!**  **!** !*********!**! *! **! !**  ! *!***!** !! !! !***!!!*

logo

AGFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLPLLLLAV  231
ASFLEKELELRGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLPLLLLAV  231
AVYKEKSEVLKQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQDYWFILILVIG  236
ATYKEKTEALKAKIKKAMNYPIAVVLVAVIVTAILLIKVVPQFQDVFANFGAELPAFTLMVIGLSEALQAWWYVVLAGFV  233
consensus                                    !** !!* *!**!!* !!*!!**!** !**! * !** *!!*!* * ** ! *!!  !******!*** ** ********

logo

NTDB id 55659 TthTMY RS06985 WP 096410758.1  VLFFAYRW.YYGTPQGRRVIDRIKLRVPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEEIVEAAK  310
NTDB id 1029 TT RS02230 WP 011228203.1       ALFFAYRW.YYGTPQGRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEEIVEAAK  310
NTDB id 1016 ACIAD RS01680 WP 004920476.1    AAIAGFLEARKRSKRFRDQLDRLVLRLPIVGDLVYKAIIARYSRTLATTFAAGVPLIDALASTAGATNNTVYEQAVLKIR  316
NTDB id 1198 PSJM300 03950 AFN76868.1        GAAYAFKQAHTRSEKFRNWFDRLMLKVPVVGDILYKSSVARFARTLSTTFAAGVPLVDALDSVAGATGNVVFRSATNKIK  313
consensus                                    * ********* *** !***!!**!**!* ! ** !***!!**!!!*     !!****!!* * !  *!*!*** **  *

logo

NTDB id 55659 TthTMY RS06985 WP 096410758.1  LKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTLLSKIADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVA  390
NTDB id 1029 TT RS02230 WP 011228203.1       LKIQQGDPLNLTLAQHPFVFPPMVSSMVAIGEETGALDTMLSKVADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVA  390
NTDB id 1016 ACIAD RS01680 WP 004920476.1    EDVSTGQQLNFAMRV.SNRFPTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGILVGGLVI  395
NTDB id 1198 PSJM300 03950 AFN76868.1        SDVSSGMQLNFSMRT.TGTFPSMAVQMTAIGEESGALDEMLSKVATFYEDEVDNMVDGLTALMEPMIMAVLGVLVGGLII  392
consensus                                    * * *!**!! ** *****!!*! * !*!!!!!*!!!! *!*!*!**!!*!!!**!  !!***!!*** *!!**!! **

logo

NTDB id 55659 TthTMY RS06985 WP 096410758.1  GMFLPLFKIIGTLSAQ   406
NTDB id 1029 TT RS02230 WP 011228203.1       GMFLPLFKIIGTLSVQ   406
NTDB id 1016 ACIAD RS01680 WP 004920476.1    AMYLPIFQMGSVV...   408
NTDB id 1198 PSJM300 03950 AFN76868.1        AMYLPIFQMGSVV...   405
consensus                                    *!*!!*! *   ** *
```

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