```
logo
NTDB id 55279 LDO80 RS04470 WP 143585246.1  ........MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKDLTIFSRQLATM   77
NTDB id 1029 TT RS02230 WP 011228203.1      ........MPVYQYKARDRQGRLVEATIEAEDLRTAARLLRDRGLFVAEIKEPGKGLQAEVRIPALERGPGLKDLAIFSRQLATM   77
NTDB id 1016 ACIAD RS01680 WP 004920476.1   MAAKKTQVMPVFAYEGVDRKGIKLKGELPARNMALAKVTLRKQGITIRTIREKRKNIFEG....LLKKKVKPLDIAIFTRQLATM   81
NTDB id 1059 ABD1 RS01610 WP 000279215.1    MAVKKAQMMPTFAYEGVDRKGVKIKGELPAKNMALAKVTLRKQGVTVRNIREKRKNILEG....LFKKKVTTLDITIFTRQLATM   81
consensus                                   ** ** **!!** ! * !! !* * * **!* *  !   !!  !* * *!*!* ! **  **** * * *** !* !!*!!!!!!

logo
NTDB id 55279 LDO80 RS04470 WP 143585246.1  LGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KLFSRLYVNLVRAGETSGGLDVILDRLAGFLEKELEL   161
NTDB id 1029 TT RS02230 WP 011228203.1      LGAGLTLLQALAILERQTENRKFREILKQVRTDVEGGMAFSEALSKH.KIFSRLYVNLVRAGETSGGLDLILDRLASFLEKELEL   161
NTDB id 1016 ACIAD RS01680 WP 004920476.1   MKAGVPLVQAFEIVAEGLENPAMRDVVLGLKNEVEGGNTFAGALRKYPQYFDNLFCSLIESGEQSGSLEIMLDRVAVYKEKSEVL   166
NTDB id 1059 ABD1 RS01610 WP 000279215.1    MKAGVPLVQGFEIVAEGLENPAMREVVLGIKGEVEGGSTFASALRKYPQHFDNLFCSLVESGEQSGALETMLDRVAIYKEKSELL   166
consensus                                   * !!**!*!*  !*    !!*  !***  ****!!!!* ! *!! !** *!  !** !*  !! !!*!***!!!*!** !!  *!

logo
NTDB id 55279 LDO80 RS04470 WP 143585246.1  KGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLPLLLLAVALFFAY.RWYYGTPQ   245
NTDB id 1029 TT RS02230 WP 011228203.1      RGKIRSAMTYPVIVFVFAVGVAYFLLTGIVPQFAQILTDLGSELPLLTRFLIAVSDLLRAATLPLLLLAVALFFAY.RWYYGTPQ   245
NTDB id 1016 ACIAD RS01680 WP 004920476.1   KQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFKDLFTSFGADLPAFTQLVVNMSNWMQDYWFILILVIGAAIAGFLEARKRSKR   251
NTDB id 1059 ABD1 RS01610 WP 000279215.1    KQKIKKAMKYPATVIVVAIVVTIILMVKVVPVFQDLFASFGADLPAFTQMVVNMSKWMQEYWFIMIIAIGAVIAAFLEAKKRSKK   251
consensus                                   * !!* !! !!  ! ! !* !   !*  *!! !* * *  ! *!!  ! *** *!* * *   *****  !*  ***  *  ***

logo
NTDB id 55279 LDO80 RS04470 WP 143585246.1  GRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEEIVEAAKLKIQQGDPLNLTLAQHPFVF   330
NTDB id 1029 TT RS02230 WP 011228203.1      GRRVIDRLKLRLPVFGNLNRKTAVARFSRTLALLLSSGVNIVEALDITKGTAGNSVVEEIVEAAKLKIQQGDPLNLTLAQHPFVF   330
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 55279 LDO80 RS04470 WP 143585246.1  PPMVSSMVAIGEETGALDTLLSKIADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1029 TT RS02230 WP 011228203.1      PPMVSSMVAIGEETGALDTMLSKVADFYEREVDEAVASLTAAIEPLMIIFLGVIVGMIVAGMFLPLFKIIGTLSVQ   406
NTDB id 1016 ACIAD RS01680 WP 004920476.1   PTMAIQMVAIGEESGALDEMLDKVANYYESEVDHAVDGLTSMMEPLIMAILGIILVGGLVIAMYLPIFQMGSVV...   408
NTDB id 1059 ABD1 RS01610 WP 000279215.1    PSMAIQMVAIGEESGALDSMLDKVATYYENEVDNAVDGLTSMMEPLIMAILGVLVGGLVIAMYLPIFQMGSVV...   408
consensus                                   !*!   !!!!!!!*!!!!**! !*!**!!*!!!*!!  !!  *!!!**  !!**!! *! *!*!!*! *   ****
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X non conserved

X similar

X ≥50% conserved