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logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   .......MSKRQPIATGSEWTFELIQQYDREISRIAERYALDTYPNQIEVITAEQMMDAYASVGMPIGYNHWSYGKHFLS   73
NTDB id 1450 BW25113 RS06185 WP 000190854.1 MATIDSMNKDTTRLSDGPDWTFDLLDVYLAEIDRVAKLYRLDTYPHQIEVITSEQMMDAYSSVGMPINYPHWSFGKKFIE   80
consensus                                   *******     **  !**!!!*!*  !  !!  !*!  ! !!!!!*!!!!!! !!!!!!! !!!!!! !*!!!*!!*!*

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   TEKNYKRGQMGLAYEIVINSDPCIAYLMEENTQCMQALVIAHACYGHNSFFKGNYLFRTWTDASSIIDYLVFAKQYIMQC   153
NTDB id 1450 BW25113 RS06185 WP 000190854.1 TERLYKHGQQGLAYEIVINSNPCIAYLMEENTITMQALVMAHACYGHNSFFKNNYLFRSWTDASSIVDYLIFARKYITEC   160
consensus                                   !!* !!*!! !!!!!!!!!! !!!!!!!!!!! *!!!!!*!!!!!!!!!!!! !!!!!*!!!!!!!*!!!*!!* !!  !

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   EERYGIDAVEDLLDSCHALMNYGVDRYKRPYPISAEEERQRQKEREELIQRQVNDLWRTIPRVGGKDKEQSMARYPSEPQ   233
NTDB id 1450 BW25113 RS06185 WP 000190854.1 EERYGVDEVERLLDSCHALMNYGVDRYKRPQKISLQEEKARQKSREEYLQSQVNMLWRTLPKREEEKTVAEARRYPSEPQ   240
consensus                                   !!!!!*! !! !!!!!!!!!!!!!!!!!!! *!!  !!* !!! !!! *! !!! !!!!*!*          !!!!!!!

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   ENILYFIEKNAPLLEPWQREVIRIVRKIAQYFYPQRQTQVMNEGWATFWHYTLLNDLYDEGLVNDGFMMEFLQYHTSVVY   313
NTDB id 1450 BW25113 RS06185 WP 000190854.1 ENLLYFMEKNAPLLESWQREILRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGKVTERFMLEFLHSHTNVVF   320
consensus                                   !!*!!!*!!!!!!!!!*!!!!**!!!!!* !!!!!!*!!!!!!!!!!!!!!!!!*!!*!!!!! ! * !!*!!!* !! !!*

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   QPSFDSPYYSGINPYALGFAMYRDIRRICEEPTDEDRRWFPDIAGSDWLATLKFAMKSFKDESFILQFLSPKVIRDLKLF   393
NTDB id 1450 BW25113 RS06185 WP 000190854.1 QPPYNSPWYSGINPYALGFAMFQDIKRICQSPTEEDKYWFPDIAGSDWLETLHFAMRDFKDESFISQFLSPKVMRDFRFF   400
consensus                                   !!** !!*!!!!!!!!!!!!!!* !!*!!!  !!*!!* !!!!!!!!!!! !!*!!!* !!!!!!! !!!!!!!*!! * !

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   SILDDDQKDDLLVAAIHDEAGYRTIRETLAAQYNLGNREPNIQIWNVDRRGDRSLTLRHQQFDRQPLSDSTADVLKHLHR   473
NTDB id 1450 BW25113 RS06185 WP 000190854.1 TVLDDDRHNYLEISAIHNEEGYREIRNRLSSQYNLSNLEPNIQIWNVDLRGDRSLTLRYIPHNRAPLDRGRKEVLKHVHR   480
consensus                                   **!!!! *  ! * !!! ! !!! !!  !  !!!! ! !!!!!!!!!! !!!!!!!!!* ** ! !!     *!!!!*!!

logo

NTDB id 40243 PA1S RS02975 WP 003099581.1   LWGFDIHLETLQGDQLVQTHH.MPPKGASEGEEGYPRLDLIIPPI   517
NTDB id 1450 BW25113 RS06185 WP 000190854.1 LWGFDVMLEQQNEDGSIELLERCPPRMGNL...............   510
consensus                                   !!!!!**!!  * !  *  ****!!* *  ***************
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X non conserved
X similar
X $\geq$ 50% conserved