```
logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  MKASLQLRLSQHLALTPQLQQSIRLLQLSTLELQQEVATAIAQNPLLENDDDWIASPLRVAADGSVIAQTPASSSPEPMSGASNG   85
NTDB id 1425 RS RS02020 WP 011000369.1      MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTESPPPA   85
consensus                                   !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!  !*  !!!!! * *!* ** !**!!!!! !  * ! *! !   ****

logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  TTATNERTERDETAGVDEYDGYSADGGDASQWNLDDFGRSPAASDDDDLPPMQIHETSTSLRDHLMAQLRVTQASPRDRALVTFL  170
NTDB id 1425 RS RS02020 WP 011000369.1      ANGADHA.DTAEASYENGSDFDSDYGTERSDWSLDDFARKPQS.DEDDRAPMQLREAEPTQREFLMEQLAPLKLSPRDKGLVIFL  168
consensus                                     *  * **  !       !  !  ! * ! ! !!!!*! !  *!*!! *!!!**!  ** !**!! !! *   !!!!**!! !!

logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  IESLDDDGYLSASLDEVLADLPAELEVDVDELNAALALVHSFDPAGVGARSASECLKLQLLRLDPSPTRTLALDIVSQHLELLAA  255
NTDB id 1425 RS RS02020 WP 011000369.1      IESLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQRLD.SPAKPLALTIVNQHLELLAA  252
consensus                                   !!!!!!*!!!**!!!!*!!!!!!!!!!!**!!!*!!! ***!!!!!!*!!!!! !!! !!! !!!*!! **!!! !! !!!!!!!!

logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  RDFTRLRKQLKATDDELRDAHALIRSLEPFPGAAYGKAEADYVVPDIIVKKAGQSWQAELNPEVVPKLRINHLYANILRNSRGDP  340
NTDB id 1425 RS RS02020 WP 011000369.1      RDYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEADFVVPDVVVRKTAAGWMAQLNPDVMPRLRINDMYAQILRSSRGES  337
consensus                                   !!*!!!*! !   ! !!* !! !!!!! !!!!*!*!*!!!!*!!!!**!*! *  ! ! !!!*!*!*!!!!**!!*!!! !!!**

logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  SAGSLKQQLQEARWLIKNIQQRFETILRVAQAIVERQKNFFAHGEIAMRPLVLREIADTLGLHESTVSRVTTGKYMLTPFGTLEF  425
NTDB id 1425 RS RS02020 WP 011000369.1      GAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPLVLREIADTLGLHESTISRVTTNKYMATPMGTFEL  422
consensus                                    !* ! ! !!!!!!!!!!!!!!!!*!!!!! !!!!!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!! !!! !! !! !

logo

NTDB id 162515 WJ27 RS02930 WP 009893048.1  KYFFGSHVSTDTGGAASSTAIRALIKQLIGAEDPKSPLSDSRIAELLAEQGFVVARRTVAKYREALKIPAVNLRKSL  502
NTDB id 1425 RS RS02020 WP 011000369.1      KYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAELLGEQGFVVARRTVAKYREALKIPAVNLRKSL  499
consensus                                   !!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!!!!!!! !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved