```
logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  MKASLQLRLSQHLALTPQLQQSIRLLQLSTLELQQEVSMAISQNPLLENEDDWIASPLRVAADGSLIAQAPGSSA.....   75
NTDB id 1425 RS RS02020 WP 011000369.1        MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTE   80
consensus                                     !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!  !** !!!!! ! *!* ** !**!!!!* !  * !  *****

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  ..PPDQMGGNVSSSSSSGDRAENGEPQGVDEYNGLSGDGNGDASQWNLDDYGRSGNASDDDDLPPLQIHESSTSLRDHLM  153
NTDB id 1425 RS RS02020 WP 011000369.1        SPPPAANGADHA......DTAEA....SYENGSDFDSDYGTERSDWSLDDFARKPQ.SDEDDRAPMQLREAEPTQREFLM  149
consensus                                     **!!   !* * ******! !! ****  *       !   * ! ! !!!**! ***!!*!! *!*!**!  ** !**!!

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  AQLRVTSAGQRDRALITFLIESLDDDGYLSATLEEVQADLPEELEVDQDELNAALALLHSFDPAGVGARSASECLRLQLL  233
NTDB id 1425 RS RS02020 WP 011000369.1        EQLAPLKLSPRDKGLVIFLIESLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQ  229
consensus                                      !! *    *!!**!* !!!!!!!!*!!!***!*!* !!!! !!!!* !!!*!!! *!*!!!!!!*!!!!! !!! !!!

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  RLPGSPTRTLALEIVAHHLELLAARDFTRLRKHLKASDDDLRDAHVLIRSLEPFPGAAYGKAEADYVVPDIMVRKTAQGW  313
NTDB id 1425 RS RS02020 WP 011000369.1        RLD.SPAKPLALTIVNQHLELLAARDYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEADFVVPDVVVRKTAAGW  308
consensus                                     !!**!! **!!! !! *!!!!!!!!!*!!!*!*!   ! *!* !! !!!!! !!!!*!*!*!!!!*!!!!**!!!!! !!

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  QAELNPEVVPKLRINHLYANILRNNRGDPGSGSLRQQLQEARWLIKNIQQRFETILRVAQAIVERQKSFFVHGEIAMRPL  393
NTDB id 1425 RS RS02020 WP 011000369.1        MAQLNPDVMPRLRINDMYAQILRSSRGESGAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPL  388
consensus                                      ! !!!*!*!*!!!!**!!*!!!  !!***! * ! ! !!!!!!!!!!!!!!!*!!!!! !!!!!!!!!!! !!!!!!!!!

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  VLREIADTLGLHESTVSRVTTGKYMLTPFGTLEFKYFFGSHVSTDTGGAASSTAIRALIKQLIGAENSKSPLSDSRIAEL  473
NTDB id 1425 RS RS02020 WP 011000369.1        VLREIADTLGLHESTISRVTTNKYMATPMGTFELKYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAEL  468
consensus                                     !!!!!!!!!!!!!!!!*!!!!!  !!!  !!  !!  ! !!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!!!  *!  !!!!!!!!!!

logo

NTDB id 996117 AAGS40 RS01735 WP 345812796.1  LAEQGFVVARRTVAKYREALKIPAVNLRKSL   504
NTDB id 1425 RS RS02020 WP 011000369.1        LGEQGFVVARRTVAKYREALKIPAVNLRKSL   499
consensus                                     !*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

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