```
logo
NTDB id 145034 AAW15 RS13825 WP 005281701.1  MKQGLQLRLSQQLAMTPQLQQAIRLLQLSTLELQQEIQQALESNPLLEQLD....PNEEAGDDGVVRENTQEDVVTRLDA   76
NTDB id 1425 RS RS02020 WP 011000369.1       MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTE   80
consensus                                    !!! !!!!!!!*!!*!!!!!! !!!!!!!!*!!!!!* !!!  !!!!!   *****    ! !! !          * *

logo

NTDB id 145034 AAW15 RS13825 WP 005281701.1  DPLDSREALEQREM.PDELPLDASWDEIYTAGTP.......SGTGTDYHDDELPVFQGETTQTLQDYLMWQVELTPFSDT  148
NTDB id 1425 RS RS02020 WP 011000369.1       SPPPAANGADHADTAEASYENGSDFDSDYGTERSDWSLDDFARKPQSDEDDRAPMQLREAEPTQREFLMEQLAPLKLSPR  160
consensus                                     !**   * ** * **   *    *!  !    ********   *   *!!  !*   !  *!  **!! !* * * !*

logo

NTDB id 145034 AAW15 RS13825 WP 005281701.1  DLAIATATIVDAVDDTGYLSASLEEILESLGDD.RVLPEEIEAVLKRIQRFDPVGVAARDLRDCLLVQLSQFADDTPYLNE  227
NTDB id 1425 RS RS02020 WP 011000369.1       DKGLVIFLIESLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQRLDS..PAKPL  238
consensus                                    ! **   *** *!! !!!**!!*!!!  !* ** ! **!* ! !* *! !!! !**!!   *!! *!!     **!  *

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NTDB id 145034 AAW15 RS13825 WP 005281701.1  ARSIVDRHLDLLGNHDFRNLMRSTKLKEEVLKAAMQLIQSLDPRPGLSINTGESDYVIPDVLVHKHQERWVVELNQDSVP  307
NTDB id 1425 RS RS02020 WP 011000369.1       ALTIVNQHLELLAARDYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEADFVVPDVVVRKTAAGWMAQLNPDVMP  318
consensus                                    ! *!!  !!*!!* *!*  ! *   * *  !!!!* !! !! ! !!*    *! !*!*!!!*!*!*   !*  !!*! *!

logo

NTDB id 145034 AAW15 RS13825 WP 005281701.1  RLRINQHYAALGTQARNDSDSQFIRSNLQEAKWLIKSLESRNDTLLKVSRCIVEQQQAFFEHGPEAMKPMVLADIAQQVE  387
NTDB id 1425 RS RS02020 WP 011000369.1       RLRINDMYAQILRSSRGESGAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPLVLREIADTLG  398
consensus                                    !!!!! *!! *    ! *!    *   !!!!*!!!! *  ! !!*!*!! *!!! !  !! !!* !!*!*!! *!!  *

logo

NTDB id 145034 AAW15 RS13825 WP 005281701.1  MHESTISRVTTQKFLHSPRGIFELKYFFSSHVSTEDGGEASSTAIRALVKKLIAAENPAKPLSDSKLTTLLADQGIMVAR  467
NTDB id 1425 RS RS02020 WP 011000369.1       LHESTISRVTTNKYMATPMGTFELKYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAELLGEQGFVVAR  478
consensus                                    *!!!!!!!!!!*!****! ! !!!!!!! !!!!!! !! !!!!!!!!!*! !**!! !  !!!!!**  !!**!! *!!!

logo

NTDB id 145034 AAW15 RS13825 WP 005281701.1  RTVAKYRESLSIPPSNQRKQLV   489
NTDB id 1425 RS RS02020 WP 011000369.1       RTVAKYREALKIPAVNLRKSL.   499
consensus                                    !!!!!!!! ! !!* ! !! !*
```

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