```
logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  MRAKVLLIEDSTSLAVLYKQYVKDEAFDLFHVETGRDAKAFIERNVPQLVILDLKLPDMNGEDILDWINENQVPTSVVVA   80
NTDB id 1157 A1552VC RS03895 WP 001888250.1  ......MVEDTASVAALYRSYLTPLDIDINIVGTGRDAIESIGRREPDLILLDLRLPDMTGMDVLYAVKEKSPDVPIVFM   74
consensus                                    ********!!* !*! !!* !* *   !* *! !!!!!   ! !  ! !**!!!*!!!! ! !*!  * !  ** **!

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  TAHGSVDIAVSLLQKGAKDFLEKPIQADRLKTSINLHLQQAKLEHLVEDIEAKFDRNRFHGFIGSCLPMQGVYKIIDSVA  160
NTDB id 1157 A1552VC RS03895 WP 001888250.1  TAHGSIDTAVEAMRHGAQDFLIKPCEADRLRVTVNNAIRKAS..KLKNDV..DNKNQNYQGFIGSSQTMQAVYRTIDSAA  150
consensus                                    !!!!!*! !!   * *!! !!! !!* !!!!* **! **   ! ***!  !***    * **!!!!!* *!!*!!* !!! !

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  PTTASVFIIGESGTGKEVCAEAIHKESKRNDKPFIAINCGAIPKDLMESEIFGHVKGAFTGATTDRKGAASLAHGGTLFL  240
NTDB id 1157 A1552VC RS03895 WP 001888250.1  SSKASIFITGESGTGKEVCAEAIHAASKRGDKPFIAINCAAIPKDLIESELFGHVKGAFTGAATERQGAAEAADGGTLFL  230
consensus                                    ** !!*!! !!!!!!!!!!!!!!!  !!! !!!!!!!!!*!!!!!!*!!!*!!!!!!!!!!! !*! !!!  !*!!!!!!

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  DELCEMELEMQKKLLRFLQTGTFTPLGGSKEMKVDVRIICATNRDPLLEVEEGRFREDLYYRVHVVPIEMPPLRERGNDI  320
NTDB id 1157 A1552VC RS03895 WP 001888250.1  DELCEMDLDLQTKLLRFIQTGTFQKVGSSKMKSVDVRFVCATNRDPWKEVQEGRFREDLYYRLYVIPLHLPPLRARGDDV  310
consensus                                    !!!!!!*!**! !!!!!*!!!!! **! !!   !!!! *!!!!!!!  !! !!!!!!!!!!!**!*!***!!!! !! !*

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  TTLATHFLKLFAKEDGKKFNGINRDAESLLKHYSWPGNVRQLQNVIRNIVVLNDESKLSVAHLPDQISKSNKSTKPRAAQ  400
NTDB id 1157 A1552VC RS03895 WP 001888250.1  IEIAYSLLGFMSKEEGKDFVRLSAEVVERFRQYEWPGNVRQLQNVLRNVVVLNEGREITLDMLPPPLNQMSAP.......  383
consensus                                      *! * !    !!*!! !  *  *     **! !!!!!!!!!!!*!!*!!!!*   *** *!!***     ********

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  AAIRYEAPAQASPVEAVDTAIQASTPVVESVNTQSSTPVTIRPMWQVERETIQQAIDFCDGNVLNAAVLLELSPSTVYRK  480
NTDB id 1157 A1552VC RS03895 WP 001888250.1  ....................INRALPLA...HENKVSVHEIFPLWMTEKQAIEQAIEACDGNIPRAATYLDVSPSTIYRK  440
consensus                                    ********************!*   !* **** *  *** ! !*!  !*  ! !!!* !!!!** !!  !**!!!!*!!!

logo

NTDB id 307043 DVV14 RS04245 WP 064487446.1  KQAWEAEEDEQQYAD   495
NTDB id 1157 A1552VC RS03895 WP 001888250.1  LQTWNEKVKEKEKER   455
consensus                                     ! !     !
```

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