```
logo

NTDB id 613 LCA RS05340 WP 231952379.1        ...........MMWQDYWQRYRRFWWVPCLVLLGIIAGGFYWHQSQQKQKVTQN.....EQLLATSASKTK.......PA    57
NTDB id 36 MW RS08230 WP 001793467.1          MVLLYQFLLRYKDFLTQWKL....YIISAVVLIMVLIGFIFWRQDDYTSRN.FEN...KDNALKQSTSENSSLSK.VEDV    71
NTDB id 20 SA RS08005 WP 001802022.1          MVLLYQFLLRYKDFLTQWKL....YIISAVVLIMVLIGFIFWRQDDYTSRN.FEN...KDTALKQSTSENNSLSK.LEDV    71
NTDB id 964934 NSS75 RS13640 WP 339233380.1  ...........MNWLNQHKTII..MSVGSAAVLIAVLCLFFFSGNNKEPVK...................QVVSSEKENEE    49
NTDB id 105 BSU 25590 NP 390437.1             ...........MNWLNQHKKAI..ILAASAAVFT.AIMIFLATGKNKEPVK...................QAVPTETENTV    48
NTDB id 300 STER RS07485 WP 011681496.1       ...MKE...KILAYVKDN...R..LFVSVIAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASS    69
consensus                                                 * ** * *        *   * ******   ***                  *   * * *    *

logo

NTDB id 613 LCA RS05340 WP 231952379.1        TKKTHQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQ   137
NTDB id 36 MW RS08230 WP 001793467.1          QVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLLDKAQ.LLEDADVSQINLSEKLTDQKMIFIPHKGQKNVE.   148
NTDB id 20 SA RS08005 WP 001802022.1          QVKDGDNSKNKGPVYVDVKGAVKHPNVYKMTS.KDRVVDLLDKAQ.LLDDADVSRINLSEKLTDQKMIFIPHKGQKNVE.   148
NTDB id 964934 NSS75 RS13640 WP 339233380.1  VKQEATKDKAEENIVIDIKGAVKHPGVYEMHT.GDRVSQAIEKAGGIGEKADETQVNLAELLQDGTVVYIPSKGEEAAQ.   127
NTDB id 105 BSU 25590 NP 390437.1             VKQEANNDESNETIVIDIKGAVQHPGVYEMRT.GDRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQ   127
NTDB id 300 STER RS07485 WP 011681496.1       QSKTEGSEKVKSKVTVDVKGAVVNPGVYTLKA.GARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSVL   148
consensus                                       ***   * *  * *!*!!!! *!**! * *  *!* *****!*** * !!   *!!** !*!  ***** !**

logo

NTDB id 613 LCA RS05340 WP 231952379.1        ELIQAPQQIATTSERTQEQASTGTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKV   217
NTDB id 36 MW RS08230 WP 001793467.1          PQIGVN...............SVHVKNGN..TNNTKVNLNTASVSELMSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKV   211
NTDB id 20 SA RS08005 WP 001802022.1          PQIEVN...............SVHVKNGN..TNNTKVNLNTASVSELMSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKV   211
NTDB id 964934 NSS75 RS13640 WP 339233380.1  QAAG.G...............AVQSSTG....KETLVNINTATLEDLQNISGVGPSKAEAIIAYREENGRFQTIEDITKV   187
NTDB id 105 BSU 25590 NP 390437.1             QGGG.G...............SVQSDGG....KGALVNINTATLEELQGISGVGPSKAEAIIAYREENGRFQTIEDITKV   187
NTDB id 300 STER RS07485 WP 011681496.1       DQTGTG...............QVSDKGGQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSVDDLKNV   213
consensus                                       *                   **     *    *    ****!*!** *!*** !*!  *!*****!!* *! !* **!* *!

logo

NTDB id 613 LCA RS05340 WP 231952379.1        GGIGPKTFEQLQSQICVN   235
NTDB id 36 MW RS08230 WP 001793467.1          KGFGSKTFDKLKSYFTI.   228
NTDB id 20 SA RS08005 WP 001802022.1          KGFGSKTFDKLKSYFTI.   228
NTDB id 964934 NSS75 RS13640 WP 339233380.1  SGIGEKSFEKIKSTITVK   205
NTDB id 105 BSU 25590 NP 390437.1             SGIGEKSFEKIKSSITVK   205
NTDB id 300 STER RS07485 WP 011681496.1       SGIGDKTLDKIRESLYVA   231
consensus                                      !*! !******* ***
```

X non conserved

X similar

X $\geq$ 50% conserved