```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1          MMWQDYWQRYRRFWWVPCLVLLGIIAGGFYWHQSQQKQKVTQNEQLLATSASKTKPATKKTHQAATKKKGGFVDIKGAVV   80
NTDB id 1041 HON27 RS14740 WP 005124713.1       .......MQYSMRFWKNKYFLLIMLCLGVISPS.................................................   26
NTDB id 1069 ABD1 RS03060 WP 043960841.1        .......MQYSMRFWKNKYFVLIMLCLGVISPS.................................................   26
NTDB id 1051054 ACEWX4 RS02745 WP 228722415.1   ......................................................................................    0
NTDB id 1014 ACIAD RS13855 WP 004924483.1       ....MSIRHPFTFFWATLLTL.......FSMQI..................................................   22
consensus                                                *   **      ** **  *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1          YPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQIATTSERTQEQASTG  160
NTDB id 1041 HON27 RS14740 WP 005124713.1       ................................VCAQSFDQNFQ.......EWKAKQQMYDQKLNITKS....SHSNGSK   62
NTDB id 1069 ABD1 RS03060 WP 043960841.1        ................................VCAQSFDQNFQ.......EWKVKQQMYDQKLNISKS....SHSNSSK   62
NTDB id 1051054 ACEWX4 RS02745 WP 228722415.1   ................................MQAENYDARYL.......QWKAEQEAIDARLSPSAS....TKTSQPR   36
NTDB id 1014 ACIAD RS13855 WP 004924483.1       ................................VFAQGFDQQYD.......AWKTQQKAHDTRLNSSAS....HHSLSKP   58
consensus                                                                       * !* *****        ***  ! * * ***** *    *** ***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1          TSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN   235
NTDB id 1041 HON27 RS14740 WP 005124713.1       ISQTKNFNDSTGQIHLNQANVNEFQQLKGVGEKKAQAIVEYRQKNGSFKNIDEIKNVKGIGPAIFEKNKSRLAL.   136
NTDB id 1069 ABD1 RS03060 WP 043960841.1        ISQTKNFNDSTGQIHLNQANVNEFQQLKGIGEKKAQAIVEYRQKNGSFKNIDEIKNVKGIGPAIFEKNKSRLAL.   136
NTDB id 1051054 ACEWX4 RS02745 WP 228722415.1   S....ASAGSSEKINLNMATAAQLQQLSGVGQKKAEAIIEYRNRHGKFKRIEDLQLVKGIGPALLAKNRHRLGI.   106
NTDB id 1014 ACIAD RS13855 WP 004924483.1       T....QQSGTGVKVNTNSATAKELQQLHGVGEKKALAIVEYRQQYGKFASVDDLQKVKGIGPKFIEKNRDRLAI.   128
consensus                                       **   *   ***** *!*!   **!*! !*!*!!! *!**!!***!*!******* !*!!!!**********
```

X non conserved

X similar

X $\geq$ 50% conserved