```
logo
NTDB id 613 LCA RS05340 WP 231952379.1      MMWQDYWQRYRRFWWVPCLVLLGIIAGG.FYWHQSQQKQ.....KVTQNEQLLATSASKT.........KPATKKTHQAATKKKG    70
NTDB id 105 BSU 25590 NP 390437.1           ......MNWLNQHKKAIILAASAAVFTAIMIFLATGKNKEPVKQAVP..................IETENTVVKQEANNDESNET    61
NTDB id 1242 Cj0011c YP 002343483.1         ..........................................................................................     0
NTDB id 300 STER RS07485 WP 011681496.1     .MKEKILAYVKDNRLFVSVIAVLMVIFCFFLWMTCGA..GNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKTEGSEKVKSK    82
NTDB id 595 KW2 RS08725 WP 021037687.1      ..MEKILDKLKEYWKIMLLVVCALIAGGIFYIFTNSP..KP.AETLSVEN..LSSS.........STKSSVSKFNSSSSEKNKNE    69
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ..MESIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPH..TP.VKETNLQAEVVAISK.......DSSTEKDVKKEEKEEPVEQDL    73
NTDB id 493 SM12261 RS04300 WP 000387351.1  ..MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQ..TP.VKETNLQAEVVAVSK.......DSVSEKEVKKEEKEEPLEQDL    73
NTDB id 222 SPD RS04535 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQ..TP.VKETNLQAEVAAVSK.......DLVSEKEVNKEEKEEPLEQDL    73
NTDB id 188 SPR RS04295 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQ..TP.VKETNLQAEVAAVSK.......DLVSEKEVNKEEKEEPLEQDL    73
NTDB id 263 KZH43 RS04195 WP 000387330.1    ..MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQ..TP.VKETNLQAEVAAVSK.......DLVSEKEVNKEEKEEPLEQDL    73
NTDB id 153 SP RS04730 WP 000387344.1       ..MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQ..TP.VKETNLQAEVAAVSK.......DSSTEKEVKKEEKEEPLEQDL    73
consensus                                     ** ******************************  **  ********** ****        ** ***** ************

logo
NTDB id 613 LCA RS05340 WP 231952379.1      GFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQIATTSERTQE   155
NTDB id 105 BSU 25590 NP 390437.1           IVIDIKGAVQHPGVYEMRTG.DRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQ.QGGGGS...........   133
NTDB id 1242 Cj0011c YP 002343483.1         ..........................................MKKLLFLFF...............................     9
NTDB id 300 STER RS07485 WP 011681496.1     VTVDVKGAVVNPGVYTLKAG.ARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSVLDQTGTGQ...........   155
NTDB id 595 KW2 RS08725 WP 021037687.1      IMVDLKGAVAKPNVYQISSD.ERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSSE.STDSPT...........   141
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQ.HTGSGA...........   145
NTDB id 493 SM12261 RS04300 WP 000387351.1  ITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQ.QAGPGT...........   145
NTDB id 222 SPD RS04535 WP 000387330.1      ITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQ.QTGLGT...........   145
NTDB id 188 SPR RS04295 WP 000387330.1      ITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQ.QTGLGT...........   145
NTDB id 263 KZH43 RS04195 WP 000387330.1    ITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQ.QTGLGT...........   145
NTDB id 153 SP RS04730 WP 000387344.1       ITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQ.QTGSGT...........   145
consensus                                   ****************** ** ************************************  ** *** **

logo
NTDB id 613 LCA RS05340 WP 231952379.1      QASTGTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN   235
NTDB id 105 BSU 25590 NP 390437.1           ...V.....QSDGGKGALVNINTATLEELQGISGVGPSKAEAIIAYREENGRFQTIEDITKVSGIGEKSFEKIKSSITVK   205
NTDB id 1242 Cj0011c YP 002343483.1         .........ALIAFLFGAVNINTATLKELKSLNGIGEAKAKAILEYRKE.ANFTSIDDLKKVKGIGDKLFEKIKNDITIE    79
NTDB id 300 STER RS07485 WP 011681496.1     ...V.SDKGGQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSVDDLKNVSGIGDKTLDKIRESLYVA   231
NTDB id 595 KW2 RS08725 WP 021037687.1      ...GSSVSNQISTTSGPKVNINKADLTELQKLTGIGQKKAQDIIDFRMKNGDFKSIEDLGKVSGFGDKTLEKLKDEISID   218
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ...P......SSTSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 493 SM12261 RS04300 WP 000387351.1  ...A......SSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 222 SPD RS04535 WP 000387330.1      ...A......SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 188 SPR RS04295 WP 000387330.1      ...A......SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 263 KZH43 RS04195 WP 000387330.1    ...A......SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 153 SP RS04730 WP 000387344.1       ...A......SSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
consensus                                     *       ** ********!*!****!****!*!***!******!*****!********!*!*!*!************
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X non conserved

X similar

X ≥50% conserved