```
logo

NTDB id 613 LCA RS05340 WP 231952379.1      MMWQ...DYWQRYRRFWWVPCLVLLGIIAGGFYWHQSQQKQKVTQNEQLL.....AT......SASKTKPAT.KKTHQAA   65
NTDB id 300 STER RS07485 WP 011681496.1     .MKEKILAYVKDNRLFVSV..IAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKTEGSE   77
NTDB id 174502 A2G56 RS09735 WP 062712117.1 .MFEDMLEKIHTNKVVVGLGGLVIILLMTCLFLLRNPSKE.TQEE..LLP...SWSGQSETISST..TMPSKEGSQAEKS   71
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ..MESIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPHTPVKET..NLQ......AEVVAISKDSSTEKDVKKEEKEEP   68
NTDB id 493 SM12261 RS04300 WP 000387351.1  ..MEAIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPQTPVKET..NLQ......AEVVAVSKDSVSEKEVKKEEKEEP   68
NTDB id 153 SP RS04730 WP 000387344.1       ..MEAIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPQTPVKET..NLQ......AEVAAVSKDSSTEKEVKKEEKEEP   68
NTDB id 263 KZH43 RS04195 WP 000387330.1    ..MEAIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPQTPVKET..NLQ......AEVAAVSKDLVSEKEVNKEEKEEP   68
NTDB id 222 SPD RS04535 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPQTPVKET..NLQ......AEVAAVSKDLVSEKEVNKEEKEEP   68
NTDB id 188 SPR RS04295 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGLGL..LVGGFFLLKPAPQTPVKET..NLQ......AEVAAVSKDLVSEKEVNKEEKEEP   68
consensus                                     ********************   *****!************   ***       ***  ************  *******

logo

NTDB id 613 LCA RS05340 WP 231952379.1      TKKKGGFVDIKGAVVYPGIYPTTVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQ  145
NTDB id 300 STER RS07485 WP 011681496.1     KVKSKVTVDVKGAVVNPGVYTLKAG.ARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSVLDQTGTGQV  156
NTDB id 174502 A2G56 RS09735 WP 062712117.1 QSSTMITVDVKGAVKKPGVYDLPSG.SRVNDAILLAGGLREDADRKSVNFAQKLSDEGIVYVASQGENISVINSSVAPQN  150
NTDB id 521 SMSK321 RS04960 WP 000443804.1  VEQDLITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQHTGSG...  144
NTDB id 493 SM12261 RS04300 WP 000387351.1  LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQQAGPG...  144
NTDB id 153 SP RS04730 WP 000387344.1       LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGSG...  144
NTDB id 263 KZH43 RS04195 WP 000387330.1    LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGLG...  144
NTDB id 222 SPD RS04535 WP 000387330.1      LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGLG...  144
NTDB id 188 SPR RS04295 WP 000387330.1      LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGLG...  144
consensus                                   *******!!*!!!!**!!*!*****  *!*******!!!****!!*!**!*!****!****!*****!**  *****  *

logo

NTDB id 613 LCA RS05340 WP 231952379.1      IATTSERTQEQASTGTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTF  225
NTDB id 300 STER RS07485 WP 011681496.1     ................SDKGGQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSVDDLKNVSGIGDKTL  221
NTDB id 174502 A2G56 RS09735 WP 062712117.1 ..................STDSSEVSTGKVDLNRATLADLQTISGIGQKRAQDIIDYRDSNGGFKSVDDLSNVSGIGDKTL  213
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ...................APSSTSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTI  206
NTDB id 493 SM12261 RS04300 WP 000387351.1  ....................TASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTI  206
NTDB id 153 SP RS04730 WP 000387344.1       ....................TASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTI  206
NTDB id 263 KZH43 RS04195 WP 000387330.1    ....................TASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTI  206
NTDB id 222 SPD RS04535 WP 000387330.1      ....................TASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTI  206
NTDB id 188 SPR RS04295 WP 000387330.1      ....................TASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTI  206
consensus                                                       ****  ****!**!!*!****!****!*!*!*!***!**!***!*!*****!**!*!!!*!!*

logo

NTDB id 613 LCA RS05340 WP 231952379.1      EQLQSQICVN   235
NTDB id 300 STER RS07485 WP 011681496.1     DKIRESLYVA   231
NTDB id 174502 A2G56 RS09735 WP 062712117.1 EKLREEVTVD   223
NTDB id 521 SMSK321 RS04960 WP 000443804.1  EKLKDYVTVD   216
NTDB id 493 SM12261 RS04300 WP 000387351.1  EKLKDYVTVD   216
NTDB id 153 SP RS04730 WP 000387344.1       EKLKDYVTVD   216
NTDB id 263 KZH43 RS04195 WP 000387330.1    EKLKDYVTVD   216
NTDB id 222 SPD RS04535 WP 000387330.1      EKLKDYVTVD   216
NTDB id 188 SPR RS04295 WP 000387330.1      EKLKDYVTVD   216
consensus                                   ********!*
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X non conserved
X similar
X $\geq$ 50% conserved