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logo

NTDB id 613 LCA RS05340 WP 231952379.1          ..MMWQDYWQRYRRFWWVPCLVLLGIIAGGFYWHQSQQKQKVTQ...NEQL..LATSASKT.......KPATKKT   61
NTDB id 521 SMSK321 RS04960 WP 000443804.1      .MESIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPHTPVKE.TNLQAEVVAISKDSSTE.......KDVKKEE   64
NTDB id 493 SM12261 RS04300 WP 000387351.1      .MEAIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPQTPVKE.TNLQAEVVAVSKDSVSE.......KEVKKEE   64
NTDB id 153 SP RS04730 WP 000387344.1           .MEAIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPQTPVKE.TNLQAEVAAVSKDSSTE.......KEVKKEE   64
NTDB id 263 KZH43 RS04195 WP 000387330.1        .MEAIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPQTPVKE.TNLQAEVAAVSKDLVSE.......KEVNKEE   64
NTDB id 222 SPD RS04535 WP 000387330.1          .MEAIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPQTPVKE.TNLQAEVAAVSKDLVSE.......KEVNKEE   64
NTDB id 188 SPR RS04295 WP 000387330.1          .MEAIIEKIKEYKI..IVICTGLGLLVGGFFLLKPAPQTPVKE.TNLQAEVAAVSKDLVSE.......KEVNKEE   64
NTDB id 1111734 HMPREF9425 RS02235 WP 003093743.1 MKEKIIDYVNNNRL..FVSIIGVLMMVFCFFLWMTCGAGNSMEAETSYTDVTTLSTSSSKEGSKSLTEVSSQSQT   73
NTDB id 300 STER RS07485 WP 011681496.1         MKEKILAYVKDNRL..FVSVIAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKT   73
consensus                                        ************  *!************!*********** *******  ********        *******

logo

NTDB id 613 LCA RS05340 WP 231952379.1          HQAATKKKGGFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTD  136
NTDB id 521 SMSK321 RS04960 WP 000443804.1      KEEPVEQDLITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESAS  138
NTDB id 493 SM12261 RS04300 WP 000387351.1      KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAAS  138
NTDB id 153 SP RS04730 WP 000387344.1           KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS  138
NTDB id 263 KZH43 RS04195 WP 000387330.1        KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS  138
NTDB id 222 SPD RS04535 WP 000387330.1          KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS  138
NTDB id 188 SPR RS04295 WP 000387330.1          KEEPLEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS  138
NTDB id 1111734 HMPREF9425 RS02235 WP 003093743.1 EGSEKVKSKVTVDVKGAVVKPGVYTLKVS.ARVTDAIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSV  147
NTDB id 300 STER RS07485 WP 011681496.1         EGSEKVKSKVTVDVKGAVVNPGVYTLKAG.ARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSV  147
consensus                                        **********!!*!!!!**!!*!***** *!*******!!!*!**!!*!**!!!****!****!***!*!** *

logo

NTDB id 613 LCA RS05340 WP 231952379.1          QELIQAPQQIATTSERTQEQASTGTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQI  211
NTDB id 521 SMSK321 RS04960 WP 000443804.1      QH.TGS....................GAPSSTSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 493 SM12261 RS04300 WP 000387351.1      QQ.AGP....................GTASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 153 SP RS04730 WP 000387344.1           QQ.TGS....................GTASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 263 KZH43 RS04195 WP 000387330.1        QQ.TGL....................GTASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 222 SPD RS04535 WP 000387330.1          QQ.TGL....................GTASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 188 SPR RS04295 WP 000387330.1          QQ.TGL....................GTASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSV  192
NTDB id 1111734 HMPREF9425 RS02235 WP 003093743.1 LDQSDTG................QVSNKGGQAVSKNGKINLNTATSEQLQTISGIGAKRAEDIVAYRESHGGFQSV  207
NTDB id 300 STER RS07485 WP 011681496.1         LDQTGTG................QVSDKGGQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSV  207
consensus                                        ** **                   ******!***!**!!*!****!****!*!*!*!******!***!*!***

logo

NTDB id 613 LCA RS05340 WP 231952379.1          EDLQKVGGIGPKTFEQLQSQICVN  235
NTDB id 521 SMSK321 RS04960 WP 000443804.1      DELKKVSGIGAKTIEKLKDYVTVD  216
NTDB id 493 SM12261 RS04300 WP 000387351.1      DELKKVSGIGAKTIEKLKDYVTVD  216
NTDB id 153 SP RS04730 WP 000387344.1           DELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 263 KZH43 RS04195 WP 000387330.1        DELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 222 SPD RS04535 WP 000387330.1          DELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 188 SPR RS04295 WP 000387330.1          DELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 1111734 HMPREF9425 RS02235 WP 003093743.1 GDLKNVSGIGDKTLDKIRESIYVA  231
NTDB id 300 STER RS07485 WP 011681496.1         DDLKNVSGIGDKTLDKIRESLYVA  231
consensus                                        **!**!*!!!*!!**********!*
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X non conserved
X similar
X $\geq$ 50% conserved