```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1        .....MMWQDYWQRYRRFWWVPCLVLLGIIAGGFYWHQS.QQKQKVTQNEQLL...A..TSASKTKPATKKTHQAATKKKGGFVD   74
NTDB id 521 SMSK321 RS04960 WP 000443804.1    .....MESIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPHTPVKETNLQAEVVAISKDSSTEKDVKKEEKEEPVEQDLITVD   77
NTDB id 493 SM12261 RS04300 WP 000387351.1    .....MEAIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPQTPVKETNLQAEVVAVSKDSVSEKEVKKEEKEEPLEQDLITVD   77
NTDB id 153 SP RS04730 WP 000387344.1         .....MEAIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPQTPVKETNLQAEVAAVSKDSSTEKEVKKEEKEEPLEQDLITVD   77
NTDB id 263 KZH43 RS04195 WP 000387330.1      .....MEAIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVD   77
NTDB id 222 SPD RS04535 WP 000387330.1        .....MEAIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVD   77
NTDB id 188 SPR RS04295 WP 000387330.1        .....MEAIIEKIK.EYKIIVICTGLGLLVGG..FFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVD   77
NTDB id 204413 BAMY RS12650 WP 003152867.1   MTKAMMTERM..RR.NLKILGACLAAGAVFIC..IWLFRSEKEEPVKQQSVLG..........QTA.SASVADKKDTADDKIMID   69
NTDB id 105 BSU 25590 NP 390437.1             .....MNWLN..QH.KKAIIL..AASAAVFTAIMIFLATGKNKEPVKQAVPTE.........TENTVVKQEANNDESNETIVID   65
consensus                                          !******** ****************  **********!********* *****  ***** **************!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1        IKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQIATTSERTQEQAST   159
NTDB id 521 SMSK321 RS04960 WP 000443804.1    VKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQH.....................T   141
NTDB id 493 SM12261 RS04300 WP 000387351.1    VKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQQ.....................A   141
NTDB id 153 SP RS04730 WP 000387344.1         VKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ.....................T   141
NTDB id 263 KZH43 RS04195 WP 000387330.1      VKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ.....................T   141
NTDB id 222 SPD RS04535 WP 000387330.1        VKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ.....................T   141
NTDB id 188 SPR RS04295 WP 000387330.1        VKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ.....................T   141
NTDB id 204413 BAMY RS12650 WP 003152867.1   VKGAVRNPGVYEMKAG.DRVTQAIEKAGGLKKKADELNVNLAEQLQDGTIVYIPSEGEEENRPK.....................T   133
NTDB id 105 BSU 25590 NP 390437.1             IKGAVQHPGVYEMRTG.DRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQQ.....................G   129
consensus                                     *!!!!**!!*!***** *!*******!!!****!!****!!!****!****!*!**!!** ***                         *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1        GTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN   235
NTDB id 521 SMSK321 RS04960 WP 000443804.1    GSGAPSS.TSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 493 SM12261 RS04300 WP 000387351.1    GPGTASS.TSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 153 SP RS04730 WP 000387344.1         GSGTASS.TSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 263 KZH43 RS04195 WP 000387330.1      GLGTASS.ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 222 SPD RS04535 WP 000387330.1        GLGTASS.ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 188 SPR RS04295 WP 000387330.1        GLGTASS.ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 204413 BAMY RS12650 WP 003152867.1   AVG.....EKENAAVNINTASLDELQAISGVGQKKAEAIIAYREENGRFQTAEDLMKVSGFGEKSFERIKTSITVK   204
NTDB id 105 BSU 25590 NP 390437.1             GGGSVQSDGGKGALVNINTATLEELQGISGVGPSKAEAIIAYREENGRFQTIEDITKVSGIGEKSFEKIKSSITVK   205
consensus                                     * *****  ********!*!****!****!*!***!**!!**!***!*!*******!!*!*!*!**!*******!*
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X non conserved

X similar

X ≥50% conserved