```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1      MMWQDYWQRYRRFWWV.PCLVLLGIIAG.GFYWHQSQQKQKVTQ....NEQLLATSASKT.KPATKKTHQAATKKKGGFVDIKGA   78
NTDB id 105 BSU 25590 NP 390437.1           ......MNWLNQHKKAIILAASAAVFTAIMIFLATGKNKEPVKQAVP.........TETENTVVKQEANNDESNETIVIDIKGA   69
NTDB id 595 KW2 RS08725 WP 021037687.1      ..MEKILDKLKEYWKIMLLVVC.ALIAG.GIFYIFTNSPKPAETLSVEN..LSSS..STKSSVSKFNSSSSEKNKNEIMVDLKGA   77
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ..MESIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPHTPVKETNLQAEVVAISKDSSTEKDVKKEEKEEPVEQDLITVDVKGA   81
NTDB id 493 SM12261 RS04300 WP 000387351.1  ..MEAIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPQTPVKETNLQAEVVAVSKDSVSEKEVKKEEKEEPLEQDLITVDVKGA   81
NTDB id 153 SP RS04730 WP 000387344.1       ..MEAIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPQTPVKETNLQAEVAAVSKDSSTEKEVKKEEKEEPLEQDLITVDVKGA   81
NTDB id 98501 R8611 RS04355 WP 000387324.1  ..MEAIIEKIKEYKIIVICTGL.GLIVG.GFFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVDVKGA   81
NTDB id 263 KZH43 RS04195 WP 000387330.1    ..MEAIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVDVKGA   81
NTDB id 222 SPD RS04535 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVDVKGA   81
NTDB id 188 SPR RS04295 WP 000387330.1      ..MEAIIEKIKEYKIIVICTGL.GLLVG.GFFLLKPAPQTPVKETNLQAEVAAVSKDLVSEKEVNKEEKEEPLEQDLITVDVKGA   81
consensus                                     ******************** ***** ********************************* **************!*!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1      VVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQIATTSERTQEQASTGTSA  163
NTDB id 105 BSU 25590 NP 390437.1           VQHPGVYEMRTG.DRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQQGG................GGSV....  134
NTDB id 595 KW2 RS08725 WP 021037687.1      VAKPNVYQISSD.ERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSSESTD................SPTGSSVS  146
NTDB id 521 SMSK321 RS04960 WP 000443804.1  VKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQHTG................SGAP....  146
NTDB id 493 SM12261 RS04300 WP 000387351.1  VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQQAG................PGTA....  146
NTDB id 153 SP RS04730 WP 000387344.1       VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTG................SGTA....  146
NTDB id 98501 R8611 RS04355 WP 000387324.1  VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTG................LGTA....  146
NTDB id 263 KZH43 RS04195 WP 000387330.1    VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTG................LGTA....  146
NTDB id 222 SPD RS04535 WP 000387330.1      VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTG................LGTA....  146
NTDB id 188 SPR RS04295 WP 000387330.1      VKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTG................LGTA....  146
consensus                                   !**!**!***** *!*******!!!****!!****!!*****!****!*!**!!********                  ***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 613 LCA RS05340 WP 231952379.1      NASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN  235
NTDB id 105 BSU 25590 NP 390437.1           .QSDGGKGALVNINTATLEELQGISGVGPSKAEAIIAYREENGRFQTIEDITKVSGIGEKSFEKIKSSITVK  205
NTDB id 595 KW2 RS08725 WP 021037687.1      NQISTTSGPKVNINKADLTELQKLTGIGQKKAQDIIDFRMKNGDFKSIEDLGKVSGFGDKTLEKLKDEISID  218
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ..SSTSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD  216
NTDB id 493 SM12261 RS04300 WP 000387351.1  ..SSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD  216
NTDB id 153 SP RS04730 WP 000387344.1       ..SSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 98501 R8611 RS04355 WP 000387324.1  ..SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD  216
NTDB id 263 KZH43 RS04195 WP 000387330.1    ..SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 222 SPD RS04535 WP 000387330.1      ..SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD  216
NTDB id 188 SPR RS04295 WP 000387330.1      ..SSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD  216
consensus                                   ***********!*!****!****!*!***!**!!**!***!*!*******!!*!*!*!**!*********
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X non conserved

X similar

X ≥50% conserved