```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 36 MW RS08230 WP 001793467.1        MVLLYQFLLRYKDFLTQWKLYIIS.....AVVLIMVLIGF.IFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNS    79
NTDB id 20 SA RS08005 WP 001802022.1        MVLLYQFLLRYKDFLTQWKLYIIS.....AVVLIMVLIGF.IFWRQDDYTSRNFENKDTALKQSTSENNSLSKLEDVQVKDGDNS    79
NTDB id 613 LCA RS05340 WP 231952379.1      ...........MMWQDYWQRYRRFWWVPCLVLLGIIAGG..FYWHQSQQKQKVTQN..EQLL.....ATSASKTKPATKKTHQAA    65
NTDB id 521 SMSK321 RS04960 WP 000443804.1  .......MESII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPHTPVKET..NLQAEVVAISKDSSTEKDVKKEEKEEP    68
NTDB id 493 SM12261 RS04300 WP 000387351.1  .......MEAII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPQTPVKET..NLQAEVVAVSKDSVSEKEVKKEEKEEP    68
NTDB id 153 SP RS04730 WP 000387344.1       .......MEAII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPQTPVKET..NLQAEVAAVSKDSSTEKEVKKEEKEEP    68
NTDB id 263 KZH43 RS04195 WP 000387330.1    .......MEAII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPQTPVKET..NLQAEVAAVSKDLVSEKEVNKEEKEEP    68
NTDB id 222 SPD RS04535 WP 000387330.1      .......MEAII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPQTPVKET..NLQAEVAAVSKDLVSEKEVNKEEKEEP    68
NTDB id 188 SPR RS04295 WP 000387330.1      .......MEAII...EKIKEYKII..VICTG.LGLLVGG..FFLLKPAPQTPVKET..NLQAEVAAVSKDLVSEKEVNKEEKEEP    68
NTDB id 45263 LL3 RS13120 WP 014470701.1    .......MTKVMMTERQRQYLKIL..GVCLA.AGAVLICI..LLFRSEKEEPVKQQ..SVLG..........QT.ASAPVTDKKD    60
NTDB id 105 BSU 25590 NP 390437.1           ...........MNWLNQHKKAII.....LAA.SAAVFTAIMIFLATGKNKEPVKQA..VPTE.........TENTVVKQEANND    56
consensus                                      ** **   *********  ***** *******  ******** ******  ****** *****  ***** *******

logo
NTDB id 36 MW RS08230 WP 001793467.1        KNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLEDADVSQINLSEKLTDQKMIFIPHKGQKNVEPQIGVNS.......   155
NTDB id 20 SA RS08005 WP 001802022.1        KNKGPVYVDVKGAVKHPNVYKMTSK.DRVVDLLDKAQ.LLDDADVSRINLSEKLTDQKMIFIPHKGQKNVEPQIEVNS.......   155
NTDB id 613 LCA RS05340 WP 231952379.1      TKKKGGFVDIKGAVVYPGIYPITVSETRLFEVLKNAGGPTDAADTKRLNLAQKLTDQLIIYIPKKGEVVTDQELIQAPQQIATTS   150
NTDB id 521 SMSK321 RS04960 WP 000443804.1  VEQDLITVDVKGAVKSPGIYDLSVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQH............   140
NTDB id 493 SM12261 RS04300 WP 000387351.1  LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQQ............   140
NTDB id 153 SP RS04730 WP 000387344.1       LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ............   140
NTDB id 263 KZH43 RS04195 WP 000387330.1    LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ............   140
NTDB id 222 SPD RS04535 WP 000387330.1      LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ............   140
NTDB id 188 SPR RS04295 WP 000387330.1      LEQDLITVDVKGAVKSPGIYDLPVG.SRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQ............   140
NTDB id 45263 LL3 RS13120 WP 014470701.1    TADDKIMIDIKGAVRHPGVYEMKAG.DRVTQAIKKAGGLKEKADELNVNLAEQLQDGTIVYIPSEGEEANPPK............   132
NTDB id 105 BSU 25590 NP 390437.1           ESNETIVIDIKGAVQHPGVYEMRTG.DRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQQ............   128
consensus                                   ********!*!!!!**!**!** ** *!*******!******!!****!!*****!******!**!*******

logo
NTDB id 36 MW RS08230 WP 001793467.1        ...........VHVKNGNTNNTKVNLNTASVSELMSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI.   228
NTDB id 20 SA RS08005 WP 001802022.1        ...........VHVKNGNTNNTKVNLNTASVSELMSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI.   228
NTDB id 613 LCA RS05340 WP 231952379.1      ERTQEQASTGTSANASSTSDTAKIDLNQADSTQLQTLNGIGPKKAEQIIAYRDEQGKFKQIEDLQKVGGIGPKTFEQLQSQICVN   235
NTDB id 521 SMSK321 RS04960 WP 000443804.1  ........TGSGAPSST.SKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 493 SM12261 RS04300 WP 000387351.1  ........AGPGTASST.SKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 153 SP RS04730 WP 000387344.1       ........TGSGTASST.SKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 263 KZH43 RS04195 WP 000387330.1    ........TGLGTASSI.SKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 222 SPD RS04535 WP 000387330.1      ........TGLGTASSI.SKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 188 SPR RS04295 WP 000387330.1      ........TGLGTASSI.SKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 45263 LL3 RS13120 WP 014470701.1    ........TAAGE.....KENASVNINTASLDELQAIPGVGQKKAEAIIAYREENGRFQTAEDLMNVSGFGEKSFERIKTSITVK   204
NTDB id 105 BSU 25590 NP 390437.1           ........GGGGSVQSDGGKGALVNINTATLEELQGISGVGPSKAEAIIAYREENGRFQTIEDITKVSGIGEKSFEKIKSSITVK   205
consensus                                      ** ** **   ********!*!****!****!*!***!**!***!***!*!********!*!*!*!************
```

X non conserved

X similar

X ≥ 50% conserved