```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 20 SA RS08005 WP 001802022.1          MVLLYQFLLRYKDFLTQWKLYITSAVVLIMVLIGFIFWRQDDYTSRNFE....NKDTALKQSTSENNS.LSKLEDVQVKD    75
NTDB id 595 KW2 RS08725 WP 021037687.1        .......MEKILDKLKEYWKI.MLLVVCALIAGGIFYIFTNSPKPAET...LS..VENLSSSSTKS.......SVSKFNS    60
NTDB id 300 STER RS07485 WP 011681496.1       ......MKEKILAYVKDNRLF.VSVIAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKT    73
NTDB id 1142321 DQN71 RS07370 WP 015605401.1  ......MFEEILEKLKEYKIF.VGLSLIGVVLAGLFLLKGNAQPQNQVS.ALAQEVVTSASSEINAEKRSANQEKISEKN    72
NTDB id 521 SMSK321 RS04960 WP 000443804.1    .......MESIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPHTPVKET.NLQAEVVAISKD.SST......EKDVKKEE    64
NTDB id 493 SM12261 RS04300 WP 000387351.1    .......MEAIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPQTPVKET.NLQAEVVAVSKD.SVS......EKEVKKEE    64
NTDB id 153 SP RS04730 WP 000387344.1         .......MEAIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPQTPVKET.NLQAEVAAVSKD.SST......EKEVKKEE    64
NTDB id 263 KZH43 RS04195 WP 000387330.1      .......MEAIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPQTPVKET.NLQAEVAAVSKD.LVS......EKEVNKEE    64
NTDB id 222 SPD RS04535 WP 000387330.1        .......MEAIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPQTPVKET.NLQAEVAAVSKD.LVS......EKEVNKEE    64
NTDB id 188 SPR RS04295 WP 000387330.1        .......MEAIIEKIKEYKII.VICTGLGLLVGGFFLLKPAPQTPVKET.NLQAEVAAVSKD.LVS......EKEVNKEE    64
consensus                                            ************** ***************************** ****** ***** * *       ********

logo

NTDB id 20 SA RS08005 WP 001802022.1          GDNSKNKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKA.QLLDDADVSRINLSEKLTDQKMIFIPHKGQKNVEPQ.IEV   153
NTDB id 595 KW2 RS08725 WP 021037687.1        SSSEKNKNEIMVDLKGAVAKPNVYQISSDERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSSES.TDS   139
NTDB id 300 STER RS07485 WP 011681496.1       EGSEKVKSKVTVDVKGAVVNPGVYTLKAGARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSVLDQTGT   153
NTDB id 1142321 DQN71 RS07370 WP 015605401.1  IDSEESEKEVTVDVKGAVKNPGVYQLRAGARVHDALQKAGGLLPDAESKSINQAQKLTDEAVVYVARVGEEGAD.VTQDS   151
NTDB id 521 SMSK321 RS04960 WP 000443804.1    KEEPVEQDLITVDVKGAVKSPGIYDLSVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESAS.QHTGS   143
NTDB id 493 SM12261 RS04300 WP 000387351.1    KEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAAS.QQAGP   143
NTDB id 153 SP RS04730 WP 000387344.1         KEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS.QQTGS   143
NTDB id 263 KZH43 RS04195 WP 000387330.1      KEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS.QQTGL   143
NTDB id 222 SPD RS04535 WP 000387330.1        KEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS.QQTGL   143
NTDB id 188 SPR RS04295 WP 000387330.1        KEEPLEQDLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVS.QQTGL   143
consensus                                     ***********!!*!!!!**!**!******!**!****!******!*****!******!************** *****

logo

NTDB id 20 SA RS08005 WP 001802022.1          NSV...HVKNGNTNNTKVNLNTASVSELMSVPGVGQAKANAIVEYRNQQGAFQELDDLKKVKGFGSKTFDKLKSYFTI..   228
NTDB id 595 KW2 RS08725 WP 021037687.1        PTGSSVSNQISTTSGPKVNINKADLTELQKLTGIGQKKAQDIIDFRMKNGDFKSIEDLGKVSGFGDKTLEKLKDEISID.   218
NTDB id 300 STER RS07485 WP 011681496.1       GQVS.DKGGQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSVDDLKNVSGIGDKTLDKIRESLYVA.   231
NTDB id 1142321 DQN71 RS07370 WP 015605401.1  QTPA.GNGETAKGKSGLVNLNTATEAELQTVSGIGQKKAQDIIAYREANGKFKSVDELKNVSGIGAKTLEKLKDYVTVDK   230
NTDB id 521 SMSK321 RS04960 WP 000443804.1    GAPS.S.....TSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD.   216
NTDB id 493 SM12261 RS04300 WP 000387351.1    GTAS.S.....TSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD.   216
NTDB id 153 SP RS04730 WP 000387344.1         GTAS.S.....TSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD.   216
NTDB id 263 KZH43 RS04195 WP 000387330.1      GTAS.S.....ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD.   216
NTDB id 222 SPD RS04535 WP 000387330.1        GTAS.S.....ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD.   216
NTDB id 188 SPR RS04295 WP 000387330.1        GTAS.S.....ISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD.   216
consensus                                     **** *       ******!*!*!****!****!*!***!******!***!*!*****!**!*!*!*!!**!********
```

X non conserved

X similar

X $\geq$ 50% conserved