logo

```
NTDB id 595 KW2 RS08725 WP 021037687.1      .MEKILDKLKEYWKIMLLVVCALIAGGIFYIFTNSPKPAE..TLS...VENLSSSS.......TKSSVSKFNSSSSEKNK   67
NTDB id 300 STER RS07485 WP 011681496.1     MKEKILAYVKDNRLFVSVIAVLMVIFCFFLWMTCGAGNSMEAETSYTDVTALSTSSSKQSSQSLSEASSQSKTEGSEKVK   80
NTDB id 1147123 CKV83 RS02440 WP 018373726.1 MLDKMLEIVKENKITAALAGLGLMIGAAFVLFNQPTQA..EQVPS...VTALASQVN.STSDSSAEE..TPLPSKEEEES   72
NTDB id 521 SMSK321 RS04960 WP 000443804.1  .MESIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPHTP..VKETN...LQAEVVAL...SKDSSTEKDVKKEEKEEPVEQ   71
NTDB id 493 SM12261 RS04300 WP 000387351.1  .MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQTP..VKETN...LQAEVVAV...SKDSVSEKEVKKEEKEEPLEQ   71
NTDB id 153 SP RS04730 WP 000387344.1       .MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQTP..VKETN...LQAEVAAV...SKDSSTEKEVKKEEKEEPLEQ   71
NTDB id 263 KZH43 RS04195 WP 000387330.1    .MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQTP..VKETN...LQAEVAAV...SKDLVSEKEVNKEEKEEPLEQ   71
NTDB id 222 SPD RS04535 WP 000387330.1      .MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQTP..VKETN...LQAEVAAV...SKDLVSEKEVNKEEKEEPLEQ   71
NTDB id 188 SPR RS04295 WP 000387330.1      .MEAIIEKIKEYKIIVICTGLGLLVGGFFLLKPAPQTP..VKETN...LQAEVAAV...SKDLVSEKEVNKEEKEEPLEQ   71
consensus                                    *********!******************!*********  *****   *****  **   **********  **********
```

logo

```
NTDB id 595 KW2 RS08725 WP 021037687.1      NEIMVDLKGAVAKPNVYQISSDERLVDLIRQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESSSSESTDSPTGSSVSN   147
NTDB id 300 STER RS07485 WP 011681496.1     SKVTVDVKGAVVNPGVYTLKAGARVTDVIQEAGGMTEDADAKSVNLAASLSDEEVIYVANKDENVSVLDQTGTGQVSDKG   160
NTDB id 1147123 CKV83 RS02440 WP 018373726.1 KTIMVDVKGAVQKPGLYKLEAGSRLADAVAEAGGLSEEADSKSINLAQKLSDEAVVYVAKQGEEVSVVQSSA.A..TGTS   149
NTDB id 521 SMSK321 RS04960 WP 000443804.1  DLITVDVKGAVKSPGIYDLSVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESASQHTGS.G.....A   145
NTDB id 493 SM12261 RS04300 WP 000387351.1  DLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAASQQAGP.G.....T   145
NTDB id 153 SP RS04730 WP 000387344.1       DLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGS.G.....T   145
NTDB id 263 KZH43 RS04195 WP 000387330.1    DLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGL.G.....T   145
NTDB id 222 SPD RS04535 WP 000387330.1      DLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGL.G.....T   145
NTDB id 188 SPR RS04295 WP 000387330.1      DLITVDVKGAVKSPGIYDLPVGSRVNDAVQKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEEAVSQQTGL.G.....T   145
consensus                                   ****!!*!!!!**!**!******!**!****!!!****!!*!!*!!*****!!***!!****!**  *****  *     *
```

logo

```
NTDB id 595 KW2 RS08725 WP 021037687.1      QISTTSGPKVNINKADLTELQKLTGIGQKKAQDIIDFRMKNGDFKSIEDLGKVSGFGDKTLEKLKDEISID   218
NTDB id 300 STER RS07485 WP 011681496.1     GQAVSKDGKINLNTATSEQLQTISGIGAKRAEDVIAYRESHGGFQSVDDLKNVSGIGDKTLDKIRESLYVA   231
NTDB id 1147123 CKV83 RS02440 WP 018373726.1 STSQSGNDLVNINTATLAELQTISGIGAKRAQDIIDYREANGGFKTIDDLNNVSGIGDKTMENLRAYVTVD   220
NTDB id 521 SMSK321 RS04960 WP 000443804.1  PSSTSKDKKINLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 493 SM12261 RS04300 WP 000387351.1  ASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGAKTIEKLKDYVTVD   216
NTDB id 153 SP RS04730 WP 000387344.1       ASSTSKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 263 KZH43 RS04195 WP 000387330.1    ASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 222 SPD RS04535 WP 000387330.1      ASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
NTDB id 188 SPR RS04295 WP 000387330.1      ASSISKEKKVNLNKASLEELKQVKGLGGKRAQDIIDHREANGKFKSVDELKKVSGIGGKTIEKLKDYVTVD   216
consensus                                   ***  ******!*!*!****!****!*!*!*!*!*!*!**!***!*!*****!**!!!*!*!!***********
```

X non conserved
X similar
X ≥ 50% conserved