```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 397 FSA28 RS09390 WP 002263438.1    .........MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLILKSEYISNG    76
NTDB id 388 SMU RS09020 WP 002263438.1      .........MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLILKSEYISNG    76
NTDB id 62973 N596 RS08130 WP 243635769.1   ..........MEIKAFTLLESLLTLGIVSLLCWLLAGSVHQGFGQVEETLFFSEFERVYQETQKMSIAREERTLLSIDHVGVHSP    75
NTDB id 432 SGO RS09405 WP 012130939.1      MVRTIVRLRQLPIKAFTVLESLLVLMISSFILLALSSSVQATFEQIQAKIFFLEFEHFYQESQKLSVSSQRKLVLEISSQEISNG    85
NTDB id 531 SMSK321 RS09225 WP 000588032.1  ...........MIKAFTMLESLLVLGLVSIVALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQTISNG    74
NTDB id 503 SM12261 RS00960 WP 029689647.1  .MLNKIPVKPLQIKAFTMLESLLVLGLVSILALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGKTISNG    84
NTDB id 163 SP RS10365 WP 000588028.1       ...........MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQTLSNG    74
NTDB id 273 KZH43 RS09250 WP 000588026.1    ...........MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQMISNG    74
NTDB id 232 SPD RS09880 WP 000588026.1      ...........MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQMISNG    74
NTDB id 198 SPR RS09415 WP 000588026.1      ...........MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQMISNG    74
consensus                                                *!!!!!**!!!**!***!********!****!*******!!**!!**!***!!*!********!*****  ****
```

```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 397 FSA28 RS09390 WP 002263438.1    VEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQTSDEKRVTYQLYIGSGQYKKTES...    134
NTDB id 388 SMU RS09020 WP 002263438.1      VEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQTSDEKRVTYQLYIGSGQYKKTES...    134
NTDB id 62973 N596 RS08130 WP 243635769.1   YQELPLPKGVKLIKEKQLTFDPAGGNSSLTKIQFQTEK.EVVTYQLAIGNGKIKKSTAPR.    134
NTDB id 432 SGO RS09405 WP 012130939.1      YARLPIPKGIQAPESTQIYFDKAGGNSSLSKVQFQTKE.GLVTYQLYIGNGKFKKTTN...    142
NTDB id 531 SMSK321 RS09225 WP 000588032.1  SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTGK.GTIRYQLYLGNGKIKRIKETKN    134
NTDB id 503 SM12261 RS00960 WP 029689647.1  SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKD    144
NTDB id 163 SP RS10365 WP 000588028.1       SQKLPVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKN    134
NTDB id 273 KZH43 RS09250 WP 000588026.1    SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKN    134
NTDB id 232 SPD RS09880 WP 000588026.1      SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKN    134
NTDB id 198 SPR RS09415 WP 000588026.1      SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKN    134
consensus                                   ***!**!!***********!!*!!!!!!!*!**!!!** ****!!!**!*!**!*******
```

X non conserved

X similar

X $\geq$ 50% conserved