```
logo
NTDB id 397 FSA28 RS09390 WP 002263438.1    .........MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLILKSEYISNG   76
NTDB id 388 SMU RS09020 WP 002263438.1      .........MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLILKSEYISNG   76
NTDB id 531 SMSK321 RS09225 WP 000588032.1  ...........MIKAFTMLESLLVLGLVSIVALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQTISNG   74
NTDB id 503 SM12261 RS00960 WP 029689647.1  .MLNKIPVKPLQIKAFTMLESLLVLGLVSILALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGKTISNG   84
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
NTDB id 163 SP RS10365 WP 000588028.1       ...........MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLNLDGQTLSNG   74
NTDB id 61734 SAIN RS00990 WP 021001232.1  MRNIQKKLVLLQIKGFTLLESLLTLFITSFLLLAVSGSVRSSFEQVEEKIFFLEFEHFYRESQKLSSSAQIQLDMNFSRERISNG   85
NTDB id 432 SGO RS09405 WP 012130939.1      MVRTIVRLRQLPIKAFTVLESLLVLMISSFILLALSSSVQATFEQIQAKIFFLEFEHFYQESQKLSVSSQRKLVLEISSQEISNG   85
consensus                                              *!!*!!**!!!**!***!***!**!*!****! ******!!**!!**!***!!*!*********************  *!!!
```

```
logo
NTDB id 397 FSA28 RS09390 WP 002263438.1    VEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQTSDEKRVTYQLYIGSGQYKKTES...   134
NTDB id 388 SMU RS09020 WP 002263438.1      VEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQTSDEKRVTYQLYIGSGQYKKTES...   134
NTDB id 531 SMSK321 RS09225 WP 000588032.1  SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTGK.GTIRYQLYLGNGKIKRIKETKN   134
NTDB id 503 SM12261 RS00960 WP 029689647.1  SQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKD   144
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
NTDB id 163 SP RS10365 WP 000588028.1       SQKLPVPKGIQAPSGQSITFDRAGGNSSLAKVEFQTSK.GAIRYQLYLGNGKIKRIKETKN   134
NTDB id 61734 SAIN RS00990 WP 021001232.1  YNHLAVPRSIQAPEDLTLHFDKAGGNSSLGKIVFQTKK.QTITYQLYLGNGKFKKTTR...   142
NTDB id 432 SGO RS09405 WP 012130939.1      YARLPIPKGIQAPESTQIYFDKAGGNSSLSKVQFQTKE.GLVTYQLYIGNGKFKKTTN...   142
consensus                                   ***!**!***********!!*!!!!!!!*!**!!!** ****!!!!*!*!**!*******
```

X non conserved

X similar

X $\geq$ 50% conserved