```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 589 KW2 RS10840 WP 096816401.1        MMITMTRIKMNSAISMIRAFTLLESLLVLLIVSFITLFFSAELTQTVHLFKGELFVLQFENLYKISQENAALQSSPENLG   80
NTDB id 432 SGO RS09405 WP 012130939.1        ....MVRTIVRLRQLPIKAFTVLESLLVLMISSFILLALSSSVQATFEQIQAKIFFLEFEHFYQESQKLSVSSQRKLVLE   76
NTDB id 531 SMSK321 RS09225 WP 000588032.1    ...............MIKAFTMLESLLVLGLVSIVALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   65
NTDB id 503 SM12261 RS00960 WP 029689647.1    .....MLNKIPVKPLQIKAFTMLESLLVLGLVSILALGLSGSVQSTFAAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   75
NTDB id 273 KZH43 RS09250 WP 000588026.1      ...............MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   65
NTDB id 232 SPD RS09880 WP 000588026.1        ...............MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   65
NTDB id 198 SPR RS09415 WP 000588026.1        ...............MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   65
NTDB id 163 SP RS10365 WP 000588028.1         ...............MIKAFTMLESLLVLGLVSILALGLSGSVQSTFSAVEEQIFFMEFEELYRETQKRSVASQQKTSLN   65
NTDB id 1143051 STN4L RS08125 WP 011226626.1  ....MRNMVVKAAQWPIRAFTLLESLMTLAVVVFLTLSLSGSVTGIFQQVEINLFYLRFEYLYRDSQRLASAEGSNVELQ   76
NTDB id 397 FSA28 RS09390 WP 002263438.1      .............MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLI   67
NTDB id 388 SMU RS09020 WP 002263438.1        .............MSRIKAFTLIESLVTLAITSFLILSFSGSITQTFAKVEERLFFLSFEHLYRDTQKLSVYQRQDMTLI   67
consensus                                                   *!*!!!**!!!**!*******!**!******* ******!***!!*!***!************!*
```

```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 589 KW2 RS10840 WP 096816401.1        SKNGKLIYENKEIDIPKEVEMV.EFLIKFDEKGENSSLQKIKVYLPYEKKTILYQMEMGSGKYKKKIN...   147
NTDB id 432 SGO RS09405 WP 012130939.1        ISSQEISNGYARLPIPKGIQAPESTQIYFDKAGGNSSLSKVQFQ.T.KEGLVTYQLYIGNGKFKKTTN...   142
NTDB id 531 SMSK321 RS09225 WP 000588032.1    LDGQTISNGSQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.GKGTIRYQLYLGNGKIKRIKETKN   134
NTDB id 503 SM12261 RS00960 WP 029689647.1    LDGKTISNGSQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.SKGAIRYQLYLGNGKIKRIKETKD   144
NTDB id 273 KZH43 RS09250 WP 000588026.1      LDGQMISNGSQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.SKGAIRYQLYLGNGKIKRIKETKN   134
NTDB id 232 SPD RS09880 WP 000588026.1        LDGQMISNGSQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.SKGAIRYQLYLGNGKIKRIKETKN   134
NTDB id 198 SPR RS09415 WP 000588026.1        LDGQMISNGSQKLTVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.SKGAIRYQLYLGNGKIKRIKETKN   134
NTDB id 163 SP RS10365 WP 000588028.1         LDGQTLSNGSQKLPVPKGIQAPSGQSITFDRAGGNSSLAKVEFQ.T.SKGAIRYQLYLGNGKIKRIKETKN   134
NTDB id 1143051 STN4L RS08125 WP 011226626.1  LTKDKVSNGRSSLLIPKSIHLDKGQTLVFDAKGGNSSLTKIRFS.S.DKEVVTYLLNMGSGKYKKTIS...   142
NTDB id 397 FSA28 RS09390 WP 002263438.1      LKSEYISNGVEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQ.TSDEKRVTYQLYIGSGQYKKTES...   134
NTDB id 388 SMU RS09020 WP 002263438.1        LKSEYISNGVEVLKIPKDVKLERNKTLHFDQAGGNSSLEKLVFQ.TSDEKRVTYQLYIGSGQYKKTES...   134
consensus                                     **** ******** *!!***********!!**!*!!!!*!**** *  ** **!****!*!**!******
```

X non conserved

X similar

X $\geq$ 50% conserved