```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 508 SM12261 RS09235 WP 000649953.1      ...........MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKTD.LSMKCQDCQLWCKEGV   68
NTDB id 278 KZH43 RS10085 WP 000649974.1        ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV   68
NTDB id 237 SPD RS10760 WP 000649974.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV   68
NTDB id 203 SPR RS10245 WP 000649974.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV   68
NTDB id 45215 BAMTA208 RS21600 WP 198315882.1  ...........MNCLLCDSPISRSLTWSSLFSLAPEQ.EVCSACSNQFEKIEGPVCSLCGRPQQSNKKCADCMARESKTE   68
NTDB id 109 BSU 35450 NP 391425.2               MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLKPDE.KVCYSCRSKLKKITGHICPLCGRPQSVHAVCRDCEVWRTRIR   79
consensus                                                  **!!!!***** **!***!**!*******!**!******!****!**!**** ** *!*!!********

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 508 SM12261 RS09235 WP 000649953.1      ....EVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELKK...YKEYQFVVIPLSPERLLERGFNQVEGLVEA   141
NTDB id 278 KZH43 RS10085 WP 000649974.1        ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELKK...YKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 237 SPD RS10760 WP 000649974.1          ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELKK...YKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 203 SPR RS10245 WP 000649974.1          ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELKK...YKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 45215 BAMTA208 RS21600 WP 198315882.1  QRFLLRQNRSVFLYNDAMKDSLARFKFRGDTKIIQTFERDFTAGFKAAYPANTHILVPIPLSPERLAERGFNQSELLASL   148
NTDB id 109 BSU 35450 NP 391425.2               DSLLLRQNRSVYTYNDMMKETLSRFKFRGDAEIINAFKSDFSSTFSKVYPDKHFVLVPIPLSKEREEERGFNQAHLLAEC   159
consensus                                            ***!****!!**!!****!*!!*!!******!** *******   ******!*!!!!**! * !!!!!***!***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 508 SM12261 RS09235 WP 000649953.1      AGFAYLDLLEKREERASSSKSRSERLETEFPFFIKSGVTIPKKILLIDDIYTTGTTINRVKKLL.EEAGAEDVKTFSLVR   220
NTDB id 278 KZH43 RS10085 WP 000649974.1        AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLVR   220
NTDB id 237 SPD RS10760 WP 000649974.1          AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLVR   220
NTDB id 203 SPR RS10245 WP 000649974.1          AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLVR   220
NTDB id 45215 BAMTA208 RS21600 WP 198315882.1  LGMPVISPLIRLNNEKQSKKSKTERLSAEKKFSAAENSAEGMNVILIDDIYTTGATLHQAAGALLTAGKALSVSSFTLIR   228
NTDB id 109 BSU 35450 NP 391425.2               LDRPSHHPLIRLNNEKQSKKKKTERLLSECIFDTKNNSAEGMNIILIDDLYTTGATLHFAARCLLEKGKAASVSSFTLIR   239
consensus                                       *** ****!********!*! **!!! *! *!*************!!!!*!!!!*!*******! ****! *!**!*!*!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                S
NTDB id 508 SM12261 RS09235 WP 000649953.1      .   220
NTDB id 278 KZH43 RS10085 WP 000649974.1        .   220
NTDB id 237 SPD RS10760 WP 000649974.1          .   220
NTDB id 203 SPR RS10245 WP 000649974.1          .   220
NTDB id 45215 BAMTA208 RS21600 WP 198315882.1  S   229
NTDB id 109 BSU 35450 NP 391425.2               S   240
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved