```
logo

NTDB id 168 SP RS11270 WP 000649971.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEG.    67
NTDB id 278 KZH43 RS10085 WP 000649974.1       ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEG.    67
NTDB id 237 SPD RS10760 WP 000649974.1         ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEG.    67
NTDB id 203 SPR RS10245 WP 000649974.1         ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEG.    67
NTDB id 508 SM12261 RS09235 WP 000649953.1     ...........MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKTD.LSMKCQDCQLWCKEG.    67
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   ...........MKCLLCGQTMKAVLTFSSLLLLRNDVSCLCLDCDSTFERIGEENCPNCMKTA.LSTQCQDCQFWCKEG.    67
NTDB id 984990 MKX52 RS15990 WP 342491017.1    ...........MICLICEGHFVNPFTWKSLLLLN.D.DRLCIACKHHLEKIKRPICPACGRAQSNDQLCQDCSRWKERPD    67
NTDB id 109 BSU 35450 NP 391425.2              MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLKPD.EKVCYSCRSKLKKITGHICPLCGRPQSVHAVCRDCEVWRTRIR    79
consensus                                                  **!!*!***** **!***!*!!**! ***! *!******!****!!*!**** ****!*!!**!****

logo

NTDB id 168 SP RS11270 WP 000649971.1          ...VEVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 278 KZH43 RS10085 WP 000649974.1       ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 237 SPD RS10760 WP 000649974.1         ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 203 SPR RS10245 WP 000649974.1         ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 508 SM12261 RS09235 WP 000649953.1     ...VEVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK...KYKEYQFVVIPLSPERLLERGFNQVEGLVEA   141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   ...VEVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK...KYKEYQFVVIPLSPERLLERGFNQVEGLVEA   141
NTDB id 984990 MKX52 RS15990 WP 342491017.1    STTVLVKNRSVYAYNDLMKDVLSRFKFRGDTALAELFKQDAQAVFKRSFSMKEPVLIPIPLSKERQKERGFNQSVILASL   147
NTDB id 109 BSU 35450 NP 391425.2              DSLLLRQNRSVYTYNDMMKETLSRFKFRGDAETINAFKSDFSSTFSKVYPDKHFVLVPIPLSKEREEERGFNQAHLLAEC   159
consensus                                          * ***!****!!**!!***!!*!!*!!******!** ******    **!******!!!!**!    !!!!!***!***

logo

NTDB id 168 SP RS11270 WP 000649971.1          AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGV.TIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 278 KZH43 RS10085 WP 000649974.1       AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGV.TIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 237 SPD RS10760 WP 000649974.1         AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGV.TIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 203 SPR RS10245 WP 000649974.1         AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGV.TIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 508 SM12261 RS09235 WP 000649953.1     AGFAYLDLLEKREERASSSKSRSERLETEFPFFIKSGV.TIPKKILLIDDIYTTGTTINRVKKLL.EEAGAEDVKTFSLV   219
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   AGFSFQELLEKREERASSSKNRSERLGTELPFFIKRGV.TIPKKILLIDDIYTTGSTINRVKKLL.EEAGAEDVKTFSLV   219
NTDB id 984990 MKX52 RS15990 WP 342491017.1    IGQPTLQPLMKIHQSKQSKKKKNERLDQKGMFQIKQTDAIIQRDIILIDDIYTTGATIYDAARILKE.AGAKSVSSFTLI   226
NTDB id 109 BSU 35450 NP 391425.2              LDRPSHHPLIRLNNEKQSKKKKTERLLSECIFDTKNNS.AEGMNIILIDDLYTTGATLHFAARCLLEKGKAASVSSFTLI   238
consensus                                      *** ****!*******!*!***!!!*****!**!*** *****!*!!!!*!!!!*!*******! !***!**!**!*!*

logo

NTDB id 168 SP RS11270 WP 000649971.1          R.    220
NTDB id 278 KZH43 RS10085 WP 000649974.1       R.    220
NTDB id 237 SPD RS10760 WP 000649974.1         R.    220
NTDB id 203 SPR RS10245 WP 000649974.1         R.    220
NTDB id 508 SM12261 RS09235 WP 000649953.1     R.    220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   R.    220
NTDB id 984990 MKX52 RS15990 WP 342491017.1    RS    228
NTDB id 109 BSU 35450 NP 391425.2              RS    240
consensus                                      !
```

X non conserved
X similar
X $\geq$ 50% conserved