```
logo

NTDB id 109 BSU 35450 NP 391425.2              MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLKPDE.KVCYSCRSKLKKITGHICPLCGFPQSVHAVCRDCEVWRTRIR   79
NTDB id 69028 STO1 RS00180 WP 096421423.1      ...........MNCLLCGQTTKCELTFSSLFLLKDDCSYLCLACASSFEKIGEKYCPNCMKT.GVSTQCQDCKLWCKEG.   67
NTDB id 168 SP RS11270 WP 000649971.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKT.ELSTKCQDCQLWCKEG.   67
NTDB id 278 KZH43 RS10085 WP 000649974.1       ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKT.ELSTKCQDCQLWCKEG.   67
NTDB id 237 SPD RS10760 WP 000649974.1         ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKT.ELSTKCQDCQLWCKEG.   67
NTDB id 203 SPR RS10245 WP 000649974.1         ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKT.ELSTKCQDCQLWCKEG.   67
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  ...........MKCLLCGQTMKAVLTFSSLLLLRNDVSCLCLDCDSTFERIGEENCPNCMKT.ALSTQCQDCQFWCKEG.   67
NTDB id 508 SM12261 RS09235 WP 000649953.1    ...........MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKT.DLSMKCQDCQLWCKEG.   67
consensus                                                **!!!!*****  **!***!*!!**!****!  *!*!****!****!!*!***  *****!*!!**!****

logo

NTDB id 109 BSU 35450 NP 391425.2              DSLLLRQNRSVYTYNDMMKETLSRFKFRGDAETINAFKSDFSSTFSKVYPDKHFVLVPIPLSKEREEERGFNQAHLLAEC   159
NTDB id 69028 STO1 RS00180 WP 096421423.1      ...VQVDHKAIFTYNQAMKDFFSQYKFDGDFLLRKVFASVLAEELK.QY..RGYQFVIIPLSPERLLERGFNQVEGLVEA   141
NTDB id 168 SP RS11270 WP 000649971.1          ...VEVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK.KY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 278 KZH43 RS10085 WP 000649974.1       ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK.KY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 237 SPD RS10760 WP 000649974.1         ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK.KY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 203 SPR RS10245 WP 000649974.1         ...VGVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK.KY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  ...VEVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK.KY..KEYQFVVIPLSPERLLERGFNQVEGLVEA   141
NTDB id 508 SM12261 RS09235 WP 000649953.1    ...VEVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK.KY..KEYQFVVIPLSPERLLERGFNQVEGLVEA   141
consensus                                        * *******!!**!!***!**!!*!!******!*!  ******  *!   *****!*!!!!**!    !!!!!***!*!*

logo

NTDB id 109 BSU 35450 NP 391425.2              LDRPSHHPLIRLNNEKQSKKKKTERLLSECIFDTKNN.SAEGMNIILIDDLYTTGATLHFAARCLLEKGKAASVSSFTLI   238
NTDB id 69028 STO1 RS00180 WP 096421423.1      AGFSFKDILGKREESASSSKSRLERLTTEIPFFIKNGISLPKKKILLIDDIYTTGATVNRVKRLL.EEAGALEVKTFSLV   220
NTDB id 168 SP RS11270 WP 000649971.1          AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPK.KILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 278 KZH43 RS10085 WP 000649974.1       AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPK.KILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 237 SPD RS10760 WP 000649974.1         AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPK.KILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 203 SPR RS10245 WP 000649974.1         AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPK.KILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLV   219
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  AGFSFQELLEKREERASSSKNRSERLGTELPFFIKRGVTIPK.KILLIDDIYTTGSTINRVKKLL.EEAGAEDVKTFSLV   219
NTDB id 508 SM12261 RS09235 WP 000649953.1    AGFAYLDLLEKREERASSSKSRSERLETEFPFFIKSGVTIPK.KILLIDDIYTTGTTINRVKKLL.EEAGAEDVKTFSLV   219
consensus                                     ***  ****!********!*!***!!!**!**!**!*******  *!*!!!!*!!!!*!*******!  !****!  *!**!*!*

logo

NTDB id 109 BSU 35450 NP 391425.2              RS   240
NTDB id 69028 STO1 RS00180 WP 096421423.1      R.   221
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 536 SMSK321 RS0102865 WP 000649958.1  R.   220
NTDB id 508 SM12261 RS09235 WP 000649953.1    R.   220
consensus                                     !
```

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