```
logo

NTDB id 109 BSU 35450 NP 391425.2              MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLKPD.EKVCYSCRSKLKKITGHICPLCGRPQSVHAVCRDCEVWRTRIR   79
NTDB id 168 SP RS11270 WP 000649971.1          ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV   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 1170479 ACLV7W RS10665 WP 004255321.1  ...........MKCLLCGQTMKAVLTFSSLLLLKNDDSCLCSDCDSTFERIGEENCPNCMKTG.LSTKCQDCQFWCKEEV   68
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   ...........MKCLLCGQTMKAVLTFSSLLLLRNDVSCLCLDCDSTFERIGEENCPNCMKTA.LSTQCQDCQFWCKEGV   68
NTDB id 508 SM12261 RS09235 WP 000649953.1     ...........MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKTD.LSMKCQDCQLWCKEGV   68
consensus                                                 **!!!!*****  **!***!*!!**!****!**!*!****!****!!*!****  ****!*!!**!*****

logo

NTDB id 109 BSU 35450 NP 391425.2              DSLLLRQNRSVYTYNDMMKETLSRFKFRGDAEIINAFKSDFSSTFSKVYPDKHFVLVPIPLSKEFEEERGFNQAHLLAEC  159
NTDB id 168 SP RS11270 WP 000649971.1          ....EVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEEL.KKY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA  141
NTDB id 278 KZH43 RS10085 WP 000649974.1       ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEEL.KKY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA  141
NTDB id 237 SPD RS10760 WP 000649974.1         ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEEL.KKY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA  141
NTDB id 203 SPR RS10245 WP 000649974.1         ....GVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEEL.KKY..KEYQFVVIPLSPDRYANRGFNQVEGLVEA  141
NTDB id 1170479 ACLV7W RS10665 WP 004255321.1  ....EVSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASVLSEEL.KKY..KEYQFVVIPLSPERLLERGFNQVEGLVEA  141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   ....EVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEEL.KKY..KEYQFVVIPLSPERLLERGFNQVEGLVEA  141
NTDB id 508 SM12261 RS09235 WP 000649953.1     ....EVSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEEL.KKY..KEYQFVVIPLSPERLLERGFNQVEGLVEA  141
consensus                                          ***!****!!**!!***!!*!!*!!******!*!  *!***  !*!   !****!*!!!!**!   !!!!!***!*!*

logo

NTDB id 109 BSU 35450 NP 391425.2              LDRPSHHPLIRLNNEKQSKKKKTERLLSECIFDTKNNSAEGMNIILIDDLYTTGATLHFAARCLLEKGKAASVSSFTLIR  239
NTDB id 168 SP RS11270 WP 000649971.1          AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLL.EEAGAKDVKTFSLVR  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 1170479 ACLV7W RS10665 WP 004255321.1  AEFSLQDLLEKREERASSSKNRSERLGTELPFFIKRGVTIPKKILLIDDIYTTGTTINRVKKLL.EEAGAEDVKTFSLVR  220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   AGFSFQELLEKREERASSSKNRSERLGTELPFFIKRGVTIPKKILLIDDIYTTGSTINRVKKLL.EEAGAEDVKTFSLVR  220
NTDB id 508 SM12261 RS09235 WP 000649953.1     AGFAYLDLLEKREERASSSKSRSERLETEFPFFIKSGVTIPKKILLIDDIYTTGTTINRVKKLL.EEAGAEDVKTFSLVR  220
consensus                                      ***  ****!********!*!***!!!**!**!**!********!*!!!!*!!!!*!*******!  !***!  *!**!*!*!

logo

NTDB id 109 BSU 35450 NP 391425.2              S   240
NTDB id 168 SP RS11270 WP 000649971.1          .   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 1170479 ACLV7W RS10665 WP 004255321.1  .   220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1   .   220
NTDB id 508 SM12261 RS09235 WP 000649953.1     .   220
consensus
```

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