```
logo

NTDB id 168 SP RS11270 WP 000649971.1          MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTELSTKCQDCQLWCKEGVEVSHRAIFTYNQ   80
NTDB id 208210 BSL41 RS02205 WP 000649968.1   MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTELSTKCQDCQFWCKEGVGVSHRAIFTYNQ   80
NTDB id 278 KZH43 RS10085 WP 000649974.1      MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTELSTKCQDCQLWCKEGVGVSHRAIFTYNQ   80
NTDB id 237 SPD RS10760 WP 000649974.1        MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTELSTKCQDCQLWCKEGVGVSHRAIFTYNQ   80
NTDB id 203 SPR RS10245 WP 000649974.1        MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTELSTKCQDCQLWCKEGVGVSHRAIFTYNQ   80
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  MKCLLCGQTMKAVLTFSSLLLLRNDVSCLCLDCDSTFERIGEENCPNCMKTALSTQCQDCQFWCKEGVEVSHRAIFIYNQ   80
NTDB id 508 SM12261 RS09235 WP 000649953.1    MKCLLCGQTMKAVLTFSSLLLLKNDASCLCLDCDSTFERIGEENCPNCMKTDLSMKCQDCQLWCKEGVEVSHRAIFIYNQ   80
consensus                                     !!!!!!!!!!!*!!!!!!!!!!*!!*!!!!*!!!!!!!!!!!!!!!!!!!!!*!!**!!!!!*!!!!!!*!!!!!!!*!!!
```

```
logo

NTDB id 168 SP RS11270 WP 000649971.1          AMKDFFSRYKFDGDFLLRKVFASFLSEELKKYKEYQFVVIPLSPDRYANRGFNQVEGLVEAAGFEYLDLLEKREERASSS   160
NTDB id 208210 BSL41 RS02205 WP 000649968.1   AMKDFFSRYKFDGDFLLRKVFASFLSEELKKYKEYQFVVIPLSPDRYANRGFNQVEGLVEAAGFEYLDLLEKREERASSS   160
NTDB id 278 KZH43 RS10085 WP 000649974.1      AMKDFFSRYKFDGDFLLRKVFASFLSEELKKYKEYQFVVIPLSPDRYANRGFNQVEGLVEAAGFEYLDLLEKREERASSS   160
NTDB id 237 SPD RS10760 WP 000649974.1        AMKDFFSRYKFDGDFLLRKVFASFLSEELKKYKEYQFVVIPLSPDRYANRGFNQVEGLVEAAGFEYLDLLEKREERASSS   160
NTDB id 203 SPR RS10245 WP 000649974.1        AMKDFFSRYKFDGDFLLRKVFASFLSEELKKYKEYQFVVIPLSPDRYANRGFNQVEGLVEAAGFEYLDLLEKREERASSS   160
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  AMKDFFSRYKFDGDFLLRKVFASVLSEELKKYKEYQFVVIPLSPERLLERGFNQVEGLVEAAGFSFQELLEKREERASSS   160
NTDB id 508 SM12261 RS09235 WP 000649953.1    AMKDFFSRYKFDGDFLLRKVFASVLSEELKKYKEYQFVVIPLSPERLLERGFNQVEGLVEAAGFAYLDLLEKREERASSS   160
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!*!***!!!!!!!!!!!!!!!!!*****!!!!!!!!!!!!
```

```
logo

NTDB id 168 SP RS11270 WP 000649971.1          KNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGAKDVKTFSLVR   220
NTDB id 208210 BSL41 RS02205 WP 000649968.1   KNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGAKDVKTFSLVR   220
NTDB id 278 KZH43 RS10085 WP 000649974.1      KNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGAKDVKTFSLVR   220
NTDB id 237 SPD RS10760 WP 000649974.1        KNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGAKDVKTFSLVR   220
NTDB id 203 SPR RS10245 WP 000649974.1        KNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGAKDVKTFSLVR   220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1  KNRSERLGTELPFFIKRGVTIPKKILLIDDIYTTGSTINRVKKLLEEAGAEDVKTFSLVR   220
NTDB id 508 SM12261 RS09235 WP 000649953.1    KSRSERLETEFPFFIKSGVTIPKKILLIDDIYTTGTTINRVKKLLEEAGAEDVKTFSLVR   220
consensus                                     !*!!!!!*!!*!!!!!*!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!*!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved