```
logo

NTDB id 109 BSU 35450 NP 391425.2          MSNEAGGGIHKLICLLCDSQFSQDVTWRALFLLKPDE.KVCYSCRSKLKKITGHICPLCGRPQSVHAVCRDCEVWRTRIR   79
NTDB id 1030358 AB6M97 RS08005 WP 121835774.1 ...........MTCLICAAELKKRPSFQELLTLAPSKTLVCSACSSTFEKIAEQHCPLCYRYG.ESEVCSDCLYWQKQGK   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 168 SP RS11270 WP 000649971.1      ...........MKCLLCGQTMKTVLTFSSLLLLRNDDSCLCSDCDSTFERIGEENCPNCMKTE.LSTKCQDCQLWCKEGV   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 1030358 AB6M97 RS08005 WP 121835774.1 S....VNHQAIYCYNTAMKAYFSRYKFQGDYLLRKVFLNDLKLALK...SYREYTLVPIPLSDKRKAERGFNQVTGLLDG   141
NTDB id 278 KZH43 RS10085 WP 000649974.1   G....VSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 237 SPD RS10760 WP 000649974.1     G....VSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 203 SPR RS10245 WP 000649974.1     G....VSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 168 SP RS11270 WP 000649971.1      E....VSHRAIFTYNQAMKDFFSRYKFDGDFLLRKVFASFLSEELK...KYKEYQFVVIPLSPDRYANRGFNQVEGLVEA   141
NTDB id 536 SMSK321 RS0102865 WP 000649958.1 E....VSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK...KYKEYQFVVIPLSPERLLERGFNQVEGLVEA   141
NTDB id 508 SM12261 RS09235 WP 000649953.1 E....VSHRAIFIYNQAMKDFFSRYKFDGDFLLRKVFASVLSEELK...KYKEYQFVVIPLSPERLLERGFNQVEGLVEA   141
consensus                                  ********!!**!!***!!*!!*!!******!** ******   *******!*!!!!**! * !!!!!***!***

logo

NTDB id 109 BSU 35450 NP 391425.2          LDRPSHHPLIRLNNEKQSKKKKTERLLSECIFDTKNNSAEGMNIILIDDLYTTGATLHFAARCLLEKGKAASVSSFTLIR   239
NTDB id 1030358 AB6M97 RS08005 WP 121835774.1 TGLSYQELLIKREVKKQSDKSRAERLQSQNPFELRFDKALPDKILLIDDIYTTGMTLQLAAQLFHEKGV.KEIKTFSLAR   220
NTDB id 278 KZH43 RS10085 WP 000649974.1   AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGA.KDVKTFSLVR   220
NTDB id 237 SPD RS10760 WP 000649974.1     AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGA.KDVKTFSLVR   220
NTDB id 203 SPR RS10245 WP 000649974.1     AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGA.KDVKTFSLVR   220
NTDB id 168 SP RS11270 WP 000649971.1      AGFEYLDLLEKREERASSSKNRSERLGTELPFFIKSGVTIPKKILLIDDIYTTGATINRVKKLLEEAGA.KDVKTFSLVR   220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1 AGFSFQELLEKREERASSSKNRSERLGTELPFFIKRGVTIPKKILLIDDIYTTGSTINRVKKLLEEAGA.EDVKTFSLVR   220
NTDB id 508 SM12261 RS09235 WP 000649953.1 AGFAYLDLLEKREERASSSKSRSERLETEFPFFIKSGVTIPKKILLIDDIYTTGTTINRVKKLLEEAGA.EDVKTFSLVR   220
consensus                                  *** ****!********!*!***!!!*****!**********!*!!!!*!!!!*!*********!*!* *****!*!*!

logo

NTDB id 109 BSU 35450 NP 391425.2          S   240
NTDB id 1030358 AB6M97 RS08005 WP 121835774.1 .   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 168 SP RS11270 WP 000649971.1      .   220
NTDB id 536 SMSK321 RS0102865 WP 000649958.1 .   220
NTDB id 508 SM12261 RS09235 WP 000649953.1 .   220
consensus
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X non conserved
X similar
X $\geq$50% conserved