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logo
NTDB id 125 BSU 00870 NP 387968.1          MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHS.VQTVQKPSPITSIETSEEPRVKTQLGE   79
NTDB id 158255 APS55 RS01050 WP 034531892.1 MAKVKTQFVCEECGYISPKYLGHCPNCGKWNTFEEQTVQKETSSLKSIHRMDFNGQQTKPQLIKDVKFEKESRFETESQE   80
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 279 KZH43 RS00140 WP 074017595.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 238 SPD RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 204 SPR RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 169 SP RS00155 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK....NARVSLTGEKTKPMKLAEVTSINVNRTKTEMEE   76
consensus                                  !!!*!**!*!**!!!*!!!**!*!!*!!*!****!********    ***********!!*************!**!***!

logo
NTDB id 125 BSU 00870 NP 387968.1          FNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYI  159
NTDB id 158255 APS55 RS01050 WP 034531892.1 FNRVLGGGIVPGSLILIGGDPGIGKSTLLLQISGQLGAKDQSVLYVSGEESASQIKLRAERLSVNGSNMYLYPETDMGAI  160
NTDB id 509 SM12261 RS00130 WP 078228442.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
NTDB id 279 KZH43 RS00140 WP 074017595.1   FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
NTDB id 238 SPD RS00140 WP 074017595.1     FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
NTDB id 204 SPR RS00140 WP 074017595.1     FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
NTDB id 169 SP RS00155 WP 074017595.1      FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSV  155
consensus                                  !!!!!!!!!*!*!!!!*!!!!!!!!!!!!!!!!!!*!*!!***  **!!!*!!!!!**!*!!!!*!!**********!!*!***

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NTDB id 125 BSU 00870 NP 387968.1          SSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLY  239
NTDB id 158255 APS55 RS01050 WP 034531892.1 KSAIDEIKPDAVVIDSVQTISEPEVDSAIGSVSQVRAITADLMSIAKTNGITIFVVGHVTKGGSIAGPKTLEHMVDTVLY  240
NTDB id 509 SM12261 RS00130 WP 078228442.1 RTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
NTDB id 279 KZH43 RS00140 WP 074017595.1   RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
NTDB id 238 SPD RS00140 WP 074017595.1     RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
NTDB id 204 SPR RS00140 WP 074017595.1     RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
NTDB id 169 SP RS00155 WP 074017595.1      RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
NTDB id 537 SMSK321 RS07120 WP 080550752.1 RAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLY  235
consensus                                  ********!*****!!*!!**********!!!!!!!**!!*!!**!!!**!*!!*!!!!!!*!**!!!**!!!!!!!!!!

logo
NTDB id 125 BSU 00870 NP 387968.1          FEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTS  319
NTDB id 158255 APS55 RS01050 WP 034531892.1 FEGDMHHSYRILRAVKNRFGSTDELGIFDMQESGLREVANPSEVFLEERLKDANGSAIVVSIEGTRPILVEIQALVTPSV  320
NTDB id 509 SM12261 RS00130 WP 078228442.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
NTDB id 279 KZH43 RS00140 WP 074017595.1   FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
NTDB id 238 SPD RS00140 WP 074017595.1     FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
NTDB id 204 SPR RS00140 WP 074017595.1     FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
NTDB id 169 SP RS00155 WP 074017595.1      FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTM  315
consensus                                  !!!**!!**!!!!!!!!!!!!!!!*!*!!!*!*!**!!*!!*!!!**!!!!!*!***!!*!****!!!!!!!*!*!!!**!**
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logo
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NTDB id 125 BSU 00870 NP 387968.1          FGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGL   399
NTDB id 158255 APS55 RS01050 WP 034531892.1 FGNAQRTATGIDRNRVAVLMAVLEKRAGLMLQNQDAFLKAAGGVKLNEPAIDLAVAISVASSYKNRGTDPSECYIGEIGL   400
NTDB id 509 SM12261 RS00130 WP 078228442.1 FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
NTDB id 279 KZH43 RS00140 WP 074017595.1   FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
NTDB id 238 SPD RS00140 WP 074017595.1     FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
NTDB id 204 SPR RS00140 WP 074017595.1     FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
NTDB id 169 SP RS00155 WP 074017595.1      FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGL   395
consensus                                  !!!**!**!!*!*!!****!!!!!!!*!!*!!!!!!*!!*!!!!!!*!!!!!!!*****!!!********!**!**!!*!!
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logo
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NTDB id 125 BSU 00870 NP 387968.1          TGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 158255 APS55 RS01050 WP 034531892.1 TGEIRRVNRIEQRVLEAQKLGFKRVLIPKHNMSGWTAPDGIEVVGVSTLAQAIKIALN.   458
NTDB id 509 SM12261 RS00130 WP 078228442.1 TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1   TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1     TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1     TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1      TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1 TGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                  !!!*!!!*!!!!!!**!!*!!!!*****!*****!*! !**!*!*!!************
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X non conserved

X similar

X $\geq$ 50% conserved