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logo
NTDB id 125 BSU 00870 NP 387968.1          MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEF   80
NTDB id 294257 C0J54 RS03055 WP 035154969.1 MAKVRTQYVCQNCGYNSPRYLGRCPNCGEWNTLVEEQVEASSAPTKKATTTLTGLVAKPQKINEIDSTETPRVKTKLNEL   80
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 279 KZH43 RS00140 WP 074017595.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 238 SPD RS00140 WP 074017595.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 204 SPR RS00140 WP 074017595.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 169 SP RS00155 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEV...AEVKNARVSLTGEKTKPMKLAEVTSINVNRTKTEMEEF   77
consensus                                 !!!******!!*!!!*!!***!*!!*!!*!***!!!***   !****!*********!!************!*!!***!*

logo
NTDB id 125 BSU 00870 NP 387968.1          NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYIS  160
NTDB id 294257 C0J54 RS03055 WP 035154969.1 NRVLGGGIVPGSLILIGGDPGIGKSTLLLQVSGQLSDEHHRVLYVSGEESGTQIKMRAERLKVAGDDFYVYPETNMDSIR  160
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
NTDB id 509 SM12261 RS00130 WP 078228442.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
NTDB id 279 KZH43 RS00140 WP 074017595.1  NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
NTDB id 238 SPD RS00140 WP 074017595.1    NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
NTDB id 204 SPR RS00140 WP 074017595.1    NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
NTDB id 169 SP RS00155 WP 074017595.1     NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVR  156
consensus                                 !!!!!!!*!*!!!*!!!!!!!!!!!!!!!!!!!!*!!!** **!!!*!!!!!**!*!*!!*!!***********!!*!****

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NTDB id 125 BSU 00870 NP 387968.1          SAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYF  240
NTDB id 294257 C0J54 RS03055 WP 035154969.1 DTIRDLKPEYVVIDSVQTMQATDVSSAIGSVSQIREVTAQLMQIAKSNNITIFVVGHVTKGGAIAGPKILEHMVDTVLYF  240
NTDB id 537 SMSK321 RS07120 WP 080550752.1 AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
NTDB id 509 SM12261 RS00130 WP 078228442.1 TEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
NTDB id 279 KZH43 RS00140 WP 074017595.1  AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
NTDB id 238 SPD RS00140 WP 074017595.1    AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
NTDB id 204 SPR RS00140 WP 074017595.1    AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
NTDB id 169 SP RS00155 WP 074017595.1     AEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYF  236
consensus                                 *******!*****!!*!!**********!!!!!*!!*!!*!!**!!***!*!!*!!!!!!*!**!!!**!!!!!!!!!!!

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NTDB id 125 BSU 00870 NP 387968.1          EGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSF  320
NTDB id 294257 C0J54 RS03055 WP 035154969.1 EGDLHHTYRILRSVKNRFGSTNELGIFEMHTNGLTEVKNPSEIFLEERLHDATGSAVVVSLEGTRPILVEIQALVTPTVY  320
NTDB id 537 SMSK321 RS07120 WP 080550752.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
NTDB id 509 SM12261 RS00130 WP 078228442.1 EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
NTDB id 279 KZH43 RS00140 WP 074017595.1  EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
NTDB id 238 SPD RS00140 WP 074017595.1    EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
NTDB id 204 SPR RS00140 WP 074017595.1    EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
NTDB id 169 SP RS00155 WP 074017595.1     EGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMF  316
consensus                                 !!**!!!*!!!!*!!!!!!!!!!!*!!!!!***!!*!!*!!!**!!!!!*****!!*****!!!!!!!*!*!!!**!!**
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NTDB id 125 BSU 00870 NP 387968.1          GNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLT   400
NTDB id 294257 C0J54 RS03055 WP 035154969.1 GNAQRTATGLSRNRVSLIMAVLEKRANLMLQNQDAYLKAAGGVKLDEPAIDLAIAVSIASSYRDKGTQPTDAFVGEVGLT   400
NTDB id 537 SMSK321 RS07120 WP 080550752.1 GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
NTDB id 509 SM12261 RS00130 WP 078228442.1 GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
NTDB id 279 KZH43 RS00140 WP 074017595.1   GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
NTDB id 238 SPD RS00140 WP 074017595.1     GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
NTDB id 204 SPR RS00140 WP 074017595.1     GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
NTDB id 169 SP RS00155 WP 074017595.1      GNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLT   396
consensus                                  !!**!**!!***!!*!!*!!!!!!!**!*!!!!!!!!!*!!!!!!!!!!!!!!!****!!!!**!****!***!*!!*!!!
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logo
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NTDB id 125 BSU 00870 NP 387968.1          GEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 294257 C0J54 RS03055 WP 035154969.1 GEIRRVNRIEQRVAEAEKLGFKRIFIPKNNLKGWKPSTNIQVIGVSTLKEALYLALG.   457
NTDB id 537 SMSK321 RS07120 WP 080550752.1 GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1 GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1   GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1     GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1     GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1      GEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                  !!*!!!*!!!!!!**!!*!!!!*****!***!*!**  ***!*!!!!****!*!*****
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X non conserved

X similar

X $\geq$ 50% conserved