```
logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 238 SPD RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 204 SPR RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 169 SP RS00155 WP 074017595.1           MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 509 SM12261 RS00130 WP 078228442.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 537 SMSK321 RS07120 WP 080550752.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG.....EKTKPMKLAEVTSINVNRTKTEME   75
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1   MAKTKSKFMCLECGYESPKWMGKCPGCGAWNTMTEEVVKTGTANRRVAFAHSAQGKTANKPSPITNIETSQEPRIKTNLK   80
NTDB id 125 BSU 00870 NP 387968.1               MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQ..TVQKPSPITSIETSEEPRVKTQLG   78
consensus                                       !!!*!**!*!**!!!*!!!**!*!!*!!*!***!!*******!*!*****     ***!!************!*!!***

logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 238 SPD RS00140 WP 074017595.1          EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 204 SPR RS00140 WP 074017595.1          EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 169 SP RS00155 WP 074017595.1           EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 509 SM12261 RS00130 WP 078228442.1      EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 537 SMSK321 RS07120 WP 080550752.1      EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1   EFNRVLGSGIVKGSLVLIGGDPGIGKSTLLLQVSSQLADNGNDVLYISGEESVKQTKMRADRLGVKSEKLLVLAETDMEY   160
NTDB id 125 BSU 00870 NP 387968.1               EFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEY   158
consensus                                       !!!!!!!*!*!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!**** *!!!*!!!!!!**!*!*!!*!!!*********!!*!**

logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 238 SPD RS00140 WP 074017595.1          VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 204 SPR RS00140 WP 074017595.1          VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 169 SP RS00155 WP 074017595.1           VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 509 SM12261 RS00130 WP 078228442.1      VRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 537 SMSK321 RS07120 WP 080550752.1      VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL   234
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1   ISMAIDDTNPAFVIVDSIQTVFQSDITSAPGSVSQVRECTAELMRLAKTKGIAIFIVGHVTKEGSIAGPRILEHMVDTVL   240
NTDB id 125 BSU 00870 NP 387968.1               ISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVL   238
consensus                                       *********!*!***!!!!!*****!****!!!!!!!!*!!!!!**!!!**!*!!!!!!!!!!!!**!!!!*!!!!!!!!!

logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 238 SPD RS00140 WP 074017595.1          YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 204 SPR RS00140 WP 074017595.1          YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 169 SP RS00155 WP 074017595.1           YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 509 SM12261 RS00130 WP 078228442.1      YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 537 SMSK321 RS07120 WP 080550752.1      YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT   314
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1   YFEGERHHTYRILRAVKNRFGSTNEMGIFEMKESGLEEVLNPSEIFLEERSKGAAGSTVVASMEGTRPVLVEIQALISPT   320
NTDB id 125 BSU 00870 NP 387968.1               YFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPT   318
consensus                                       !!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!***!!*!!!!!!**!!!!!**!**!!*****!!!!!!*!*!*!!!**!!
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logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 238 SPD RS00140 WP 074017595.1          MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 204 SPR RS00140 WP 074017595.1          MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 169 SP RS00155 WP 074017595.1           MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 509 SM12261 RS00130 WP 078228442.1      MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 537 SMSK321 RS07120 WP 080550752.1      MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG   394
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1  SFGNPRRMATGIDHNRVPLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAVAVSIASSFKDAPSKATDIIIGEVG   400
NTDB id 125 BSU 00870 NP 387968.1               SFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVG   398
consensus                                       *!!!**!**!!*!*!!**!*!!!!!!!*!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!****!!!!**!*!********!!*!

logo
NTDB id 279 KZH43 RS00140 WP 074017595.1        LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1          LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1          LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1           LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1      LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1      LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 1082764 ACK1LH RS00610 WP 411334271.1  LTGEVRRVSRIEQRVMEAAKLGFRRAIIPEANIGGWTVPHGIEAVGVKNVAEALQITLGG   460
NTDB id 125 BSU 00870 NP 387968.1               LTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
consensus                                       !!!!*!!!!*!!!!!**!!!!!!!*****!****!*!*!**!***!!****!*!*****
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X non conserved

X similar

X $\geq$ 50% conserved