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NTDB id 222106 A8H33 RS12220 WP 011885162.1  MAKQKTVYVCSECGGQTPKWQGQCPSCHAWNTLVESVAESPAAHRFQSLAK....RAPVQRLADIEAADVPRFSTGIGEF  76
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEF  80
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
consensus                                    !!!*!****!**!!***!!**!*!!*!**!***!!**********************   **********************!**!***!!
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NTDB id 222106 A8H33 RS12220 WP 011885162.1  DRVLGGGLVPGGVVLIGGDPGIGKSTLLLQSLADIASE.RRALYISGEESAAQIALRAQRLALLDGGAPVAELKLLAEIQ  155
NTDB id 125 BSU 00870 NP 387968.1            NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINN.....PSLHVLSETD  155
NTDB id 537 SMSK321 RS07120 WP 080550752.1   NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
NTDB id 279 KZH43 RS00140 WP 074017595.1     NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
NTDB id 238 SPD RS00140 WP 074017595.1       NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
NTDB id 204 SPR RS00140 WP 074017595.1       NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
NTDB id 169 SP RS00155 WP 074017595.1        NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
NTDB id 509 SM12261 RS00130 WP 078228442.1   NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID.....SEFYLYAETN  151
consensus                                    *!!!!!!!*!*!**!!!!!!!!!!!!!!!!!!!!*******  ***!!*!!!!!!*!**!!!*!!****     ********!**
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NTDB id 222106 A8H33 RS12220 WP 011885162.1  LEKIQAAIDTERPDVAVVDSIQTVYSEALTSAPGSVAQVRECAAQLTRIAKQSGTAIIMVGHVTKEGNLAGPRVLEHIVD  235
NTDB id 125 BSU 00870 NP 387968.1            MEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVD  235
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 279 KZH43 RS00140 WP 074017595.1     MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 238 SPD RS00140 WP 074017595.1       MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 204 SPR RS00140 WP 074017595.1       MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 169 SP RS00155 WP 074017595.1        MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 509 SM12261 RS00130 WP 078228442.1   MQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
consensus                                    ***********!*****!!!!!**********!!!*!!!!**!*!***!!*****!**!!!!!!!!**!!!!*!!!*!!
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NTDB id 222106 A8H33 RS12220 WP 011885162.1  TVLYFEGDTHSSFRLVRAFKNRFGAVNELGVFAMTERGLRGVANPSALFLSQHEQVVPGSCVLVTQEGTRPLLVEIQALV  315
NTDB id 125 BSU 00870 NP 387968.1            TVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALI  315
NTDB id 537 SMSK321 RS07120 WP 080550752.1   TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 279 KZH43 RS00140 WP 074017595.1     TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 238 SPD RS00140 WP 074017595.1       TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 204 SPR RS00140 WP 074017595.1       TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 169 SP RS00155 WP 074017595.1        TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 509 SM12261 RS00130 WP 078228442.1   TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
consensus                                    !!!!!!!**!**!!**!!*!!!!!**!!*!*!*!***!!**!*!!!**!!*********!!******!!!!!*!*!*!!!*
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NTDB id 222106 A8H33 RS12220 WP 011885162.1   DTAHVPNPRRLAVGLEQNRLAMLLAVLHRHAGIACFDQDVFLNAVGGVKITEPAADLAVLLAIHSSMRNKALPKGLIVFG   395
NTDB id 125 BSU 00870 NP 387968.1            SPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIG   395
NTDB id 537 SMSK321 RS07120 WP 080550752.1   TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
NTDB id 279 KZH43 RS00140 WP 074017595.1     TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
NTDB id 238 SPD RS00140 WP 074017595.1       TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
NTDB id 204 SPR RS00140 WP 074017595.1       TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
NTDB id 169 SP RS00155 WP 074017595.1        TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
NTDB id 509 SM12261 RS00130 WP 078228442.1   TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG   391
consensus                                    *******!**!***!***!!*****!!!****!*****!!**!**!!!!**!!!*!!!****!*!!**************!
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NTDB id 222106 A8H33 RS12220 WP 011885162.1   EVGLAGEIRPSPRGQERLREAAKLGFTAALIPKANAPKQPI.EGLNVMAVERIEQAIDRVRELE   458
NTDB id 125 BSU 00870 NP 387968.1            EVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG.   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1   ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA..   453
NTDB id 279 KZH43 RS00140 WP 074017595.1     ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 238 SPD RS00140 WP 074017595.1       ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 204 SPR RS00140 WP 074017595.1       ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 169 SP RS00155 WP 074017595.1        ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA..   453
consensus                                    !*!!*!!*!***!***!**!!!!!!!*****!*******************!**!***********
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X non conserved
X similar
X ≥ 50% conserved