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NTDB id 208418 BOC46 RS04235 WP 004193568.1  MAKQKTVFVCTECGGQTPKWQGQCPSCHAWNTLVESVESAPSAHRFQSLAK....RAPVQRLADIEAADVPRFSTGIGEF  76
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEF  80
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 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF  77
consensus                                    !!!*!**!*!**!!***!!**!*!!*!**!***!!*****************    **************!**!***!!
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NTDB id 208418 BOC46 RS04235 WP 004193568.1  DRVLGGGLVAGGVVLIGGDPGIGKSTLLLQSLAQIASE.RPALYISGEESCAQIALRAQRLALLEGGASAADLKLLAEIQ  155
NTDB id 125 BSU 00870 NP 387968.1            NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGIN.....NPSLHVLSETD  155
NTDB id 279 KZH43 RS00140 WP 074017595.1     NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
NTDB id 238 SPD RS00140 WP 074017595.1       NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
NTDB id 204 SPR RS00140 WP 074017595.1       NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
NTDB id 169 SP RS00155 WP 074017595.1        NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
NTDB id 537 SMSK321 RS07120 WP 080550752.1   NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
NTDB id 509 SM12261 RS00130 WP 078228442.1   NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI.....DSEFYLYAETN  151
consensus                                    *!!!!!!*!*!**!!!!!!!!!!!!!!!!!!!***!****  ***!!*!!!!!!**!**!!!*!!***     *********!**
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NTDB id 208418 BOC46 RS04235 WP 004193568.1  LEKIQATIDAERPDVAVIDSIQTIYSEALTSAPGSVAQVRECAAQLTRIAKQSGTAIIMVGHVTKEGNLAGPRVLEHIVD  235
NTDB id 125 BSU 00870 NP 387968.1            MEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVD  235
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 537 SMSK321 RS07120 WP 080550752.1   MQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
NTDB id 509 SM12261 RS00130 WP 078228442.1   MQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVD  231
consensus                                    ************!*****!!!!!**********!!!*!!!!**!*!***!!*****!**!!!!!!!!**!!!!*!!!*!!
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NTDB id 208418 BOC46 RS04235 WP 004193568.1  TVLYFEGDTHSSFRLVRAFKNRFGAVNELGVFAMTERGLRGVANPSALFLSQHTEVVPGSCVLVTQEGTRPLLVEVQALV  315
NTDB id 125 BSU 00870 NP 387968.1            TVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALI  315
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 537 SMSK321 RS07120 WP 080550752.1   TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
NTDB id 509 SM12261 RS00130 WP 078228442.1   TVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALV  311
consensus                                    !!!!!!!**!**!!**!!*!!!!!**!!*!*!*!***!!**!*!!!**!!*********!!*******!!!!!*!*!*!!!*
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NTDB id 208418 BOC46 RS04235 WP 004193568.1  DTANVPNPRRLAVGLEQNRLAMLLAVLHRHAGIACFDQDVFLNAVGGVKITEPAADLAVLLAIHSSMRNKPLPKGLIVFG  395
NTDB id 125 BSU 00870 NP 387968.1           SPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIG  395
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 537 SMSK321 RS07120 WP 080550752.1   TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG  391
NTDB id 509 SM12261 RS00130 WP 078228442.1   TPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVG  391
consensus                                    *******!**!***!***!!*****!!!****!*****!!**!**!!!!**!!!*!!!****!*!!****!********!

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NTDB id 208418 BOC46 RS04235 WP 004193568.1  EVGLAGEIRPSPRGQERLREAAKLGFTTALIPKANAPKQPI.DGLRVHAVERIEQAIDQIRVLE   458
NTDB id 125 BSU 00870 NP 387968.1            EVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG.   458
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 537 SMSK321 RS07120 WP 080550752.1   ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA..   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   ELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA..   453
consensus                                    !*!!*!!*!***!***!**!!!!!!!*****!*******************!**!************
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X non conserved
X similar
X ≥ 50% conserved