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NTDB id 162425 WS71 RS21665 WP 066491431.1 MAKQKTVFVCTECGGQTPKWQGQCPSCQAWNTLVESVESSPSAHRFQSLAK....QAPVQRLADIEAADVPRFSTGIGEFDRVLG  81
NTDB id 125 BSU 00870 NP 387968.1          MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEFNRVLG  85
NTDB id 279 KZH43 RS00140 WP 074017595.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
NTDB id 238 SPD RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
NTDB id 204 SPR RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
NTDB id 169 SP RS00155 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFNRVLG  82
consensus                                  !!!*!**!*!**!!***!!**!*!!*!**!***!!********************   ****************!**!***!!*!!!!
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NTDB id 162425 WS71 RS21665 WP 066491431.1 GGLVAGGVVLIGGDPGIGKSTLLLQSLAQIASE.RPALYISGEESGAQIALRAQRLALLDGSGASAADLKLLAEIQLEKTQATID 165
NTDB id 125 BSU 00870 NP 387968.1          GGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINN......PSLHVLSETDMEYISSAIQ 164
NTDB id 279 KZH43 RS00140 WP 074017595.1   GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRAEVE 160
NTDB id 238 SPD RS00140 WP 074017595.1     GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRAEVE 160
NTDB id 204 SPR RS00140 WP 074017595.1     GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRAEVE 160
NTDB id 169 SP RS00155 WP 074017595.1      GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRAEVE 160
NTDB id 537 SMSK321 RS07120 WP 080550752.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRAEVE 160
NTDB id 509 SM12261 RS00130 WP 078228442.1 GGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID......SEFYLYAETNMQSVRTEVE 160
consensus                                  !!*!*!**!!!!!!!!!!!!!!!!!!!!***!**** ***!!*!!!!!!*!**!!!*!!**** ********!********** 
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NTDB id 162425 WS71 RS21665 WP 066491431.1 AERPDVAVIDSIQTVYSEALTSAPGSVAQVRECAAQLTRIAKQSGTAIIMVGHVTKEGNLAGPRVLEHIVDTVLYFEGDTHSSFR 250
NTDB id 125 BSU 00870 NP 387968.1          EMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFR 249
NTDB id 279 KZH43 RS00140 WP 074017595.1   RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
NTDB id 238 SPD RS00140 WP 074017595.1     RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
NTDB id 204 SPR RS00140 WP 074017595.1     RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
NTDB id 169 SP RS00155 WP 074017595.1      RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
NTDB id 537 SMSK321 RS07120 WP 080550752.1 RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
NTDB id 509 SM12261 RS00130 WP 078228442.1 RIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFR 245
consensus                                  ***!*****!!!!!*********!!!*!!!!**!*!***!!*****!**!!!!!!!!!*!!!!*!!!*!!!!!!!!!**!**!! 
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NTDB id 162425 WS71 RS21665 WP 066491431.1 LVRAFKNRFGAVNELGVFAMTERGLRGVANPSALFLSQHTEVVPGSCVLVTQEGTRPLLVEVQALVDTANVPNPRRLAVGLEQNR 335
NTDB id 125 BSU 00870 NP 387968.1          ILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNR 334
NTDB id 279 KZH43 RS00140 WP 074017595.1   ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
NTDB id 238 SPD RS00140 WP 074017595.1     ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
NTDB id 204 SPR RS00140 WP 074017595.1     ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
NTDB id 169 SP RS00155 WP 074017595.1      ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
NTDB id 537 SMSK321 RS07120 WP 080550752.1 ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
NTDB id 509 SM12261 RS00130 WP 078228442.1 ILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNR 330
consensus                                  **!!*!!!!!**!!*!*!*!***!!**!*!!!**!!*********!!******!!!!!*!*!*!!!*******!**!***!***!! 
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NTDB id 162425 WS71 RS21665 WP 066491431.1   LAMLLAVLHRHAGIACFDQDVFLNAVGGVKITEPAADLAVLLAIHSSMRNKPLPKGLIVFGEVGLAGEIRPSPRGQERLREAAKL   420
NTDB id 125 BSU 00870 NP 387968.1            VSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLATVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKL   419
NTDB id 279 KZH43 RS00140 WP 074017595.1     ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
NTDB id 238 SPD RS00140 WP 074017595.1       ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
NTDB id 204 SPR RS00140 WP 074017595.1       ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
NTDB id 169 SP RS00155 WP 074017595.1        ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
NTDB id 537 SMSK321 RS07120 WP 080550752.1   ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
NTDB id 509 SM12261 RS00130 WP 078228442.1   ASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKL   415
consensus                                    *****!!!*****!******!!**!***!!!!**!!!*!!!***!*!!*****!*********!!*!!*!!!*!***!***!**!!!!!
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NTDB id 162425 WS71 RS21665 WP 066491431.1   GFTTALIPKANAPKQPI.DGLRVHAVERIEQAIDQIRVLE   459
NTDB id 125 BSU 00870 NP 387968.1            GFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG.   458
NTDB id 279 KZH43 RS00140 WP 074017595.1     GFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 238 SPD RS00140 WP 074017595.1       GFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 204 SPR RS00140 WP 074017595.1       GFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 169 SP RS00155 WP 074017595.1        GFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   GFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA..   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   GFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA..   453
consensus                                    !!*****!**********!**!**********
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X non conserved

X similar

X ≥ 50% conserved