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logo
NTDB id 387018 F3Y33 RS00175 WP 153269967.1   MAKARTNFICQSCGAVHNRWAGKCDNCGEWNTIVEEDLMGGIGGGPAKTP....KKGRPVTLTALSGEIEEAPRIHTGIS   76
NTDB id 125 BSU 00870 NP 387968.1             MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPIT..SIETSEEPRVKTQLG   78
NTDB id 279 KZH43 RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
NTDB id 238 SPD RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
NTDB id 204 SPR RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
NTDB id 169 SP RS00155 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
NTDB id 537 SMSK321 RS07120 WP 080550752.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
NTDB id 509 SM12261 RS00130 WP 078228442.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLA..EVTSINVNRTKTEME   75
consensus                                     !!!****!*!!*!!*******!*!**!!*!***!!!*****************   ***!****  ********!**!***

logo
NTDB id 387018 F3Y33 RS00175 WP 153269967.1   ELDRALGGGFVRGSAVLIGGDPGIGKSTLLMQGAAALSRRGHRIIYVSGEEAVAQVRLRAQRLQAADTDVLLAAETNVED   156
NTDB id 125 BSU 00870 NP 387968.1             EFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEY   158
NTDB id 279 KZH43 RS00140 WP 074017595.1      EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 238 SPD RS00140 WP 074017595.1        EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 204 SPR RS00140 WP 074017595.1        EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 169 SP RS00155 WP 074017595.1         EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 537 SMSK321 RS07120 WP 080550752.1    EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
NTDB id 509 SM12261 RS00130 WP 078228442.1    EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS   154
consensus                                     !**!*!!!!*!*!!*!!!!!!!!!!!!!!!!*!****!!**  ****!*!!!!***!**!!!*!!**********!!****

logo
NTDB id 387018 F3Y33 RS00175 WP 153269967.1   ILATVAEGKRPDLVIIDSIQTLWSELADSAPGTVTQVRTGVQSMIRFAKQTGAAMVLVGHVTKDGQIAGPRVVEHMVDAV   236
NTDB id 125 BSU 00870 NP 387968.1             ISSAI.QEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV   237
NTDB id 279 KZH43 RS00140 WP 074017595.1      VRAEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 238 SPD RS00140 WP 074017595.1        VRAEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 204 SPR RS00140 WP 074017595.1        VRAEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 169 SP RS00155 WP 074017595.1         VRAEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 537 SMSK321 RS07120 WP 080550752.1    VRAEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 509 SM12261 RS00130 WP 078228442.1    VRTEV.ERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
consensus                                     *****  ****!*****!!!!!**********!*!*!!!********!!********!!!!!!*!**!!!!**!!!!!*!

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NTDB id 387018 F3Y33 RS00175 WP 153269967.1   LYFEGDRGHHYRILRTVKNRFGPTDEIGVFEMSDKGLREVANPSELFLGERNEKSPGAAVFAGMEGTRPILVEVQALVAP   316
NTDB id 125 BSU 00870 NP 387968.1             LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISP   317
NTDB id 279 KZH43 RS00140 WP 074017595.1      LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 238 SPD RS00140 WP 074017595.1        LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 204 SPR RS00140 WP 074017595.1        LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 169 SP RS00155 WP 074017595.1         LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 537 SMSK321 RS07120 WP 080550752.1    LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 509 SM12261 RS00130 WP 078228442.1    LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
consensus                                     !!!!!*!*!**!!!!*!!!!!!*!*!*!*!!!***!!*!!*!!!**!!*!!*****!******!!!!!!!!*!*!!!**!
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logo
NTDB id 387018 F3Y33 RS00175 WP 153269967.1   TSLGTPRRAVVGWDSARLSMILAVLEAHCGVRLGQHDVYLNIAGGYRITEPAADLAVASALVSSLAGIALPADCVYFGEV   396
NTDB id 125 BSU 00870 NP 387968.1             TSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEV   397
NTDB id 279 KZH43 RS00140 WP 074017595.1      TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 238 SPD RS00140 WP 074017595.1        TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 204 SPR RS00140 WP 074017595.1        TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 169 SP RS00155 WP 074017595.1         TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 537 SMSK321 RS07120 WP 080550752.1    TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 509 SM12261 RS00130 WP 078228442.1    TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
consensus                                     !**!***!***!*!**!*!***!!!!***!**!***!*!!**!!!****!!!*!!!*******!!************!!*

logo
NTDB id 387018 F3Y33 RS00175 WP 153269967.1   SLSGAVRPVSHTSQRLKEAEKLGFSAALLPSASADL...PKGSGGRWSETESLPDLVARIAGSKGALRRVEEEV   467
NTDB id 125 BSU 00870 NP 387968.1             GLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIE..VIGVANVAEALRTSLGG...........   458
NTDB id 279 KZH43 RS00140 WP 074017595.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ..VIGVTTIQEVLKKVFA............   453
NTDB id 238 SPD RS00140 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ..VIGVTTIQEVLKKVFA............   453
NTDB id 204 SPR RS00140 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ..VIGVTTIQEVLKKVFA............   453
NTDB id 169 SP RS00155 WP 074017595.1         GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ..VIGVTTIQEVLKKVFA............   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1    GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQ..VIGVTTIQEVLKKVFA............   453
NTDB id 509 SM12261 RS00130 WP 078228442.1    GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQ..VIGVTTIQEVLKKVFA............   453
consensus                                     *!*!**!*!****!!**!!*!!!!*****!*******  !****   ***************
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X non conserved

X similar

X $\geq$ 50% conserved