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logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1  MAKAAKRAFVCNECGADYPRWQGQCSACHAWNTITEVRIAASPAAARNERLSGYAGSAGTSRVQKLSEISLEALPRFSTS   80
NTDB id 125 BSU 00870 NP 387968.1            .MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSH...SVQTVQKPSPITSIETSEEPRVKTQ   76
NTDB id 509 SM12261 RS00130 WP 078228442.1   .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1        .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 537 SMSK321 RS07120 WP 080550752.1   .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG...E...KTKPMKLAEVTSINVNRTKTE   73
consensus                                     ****!**!*!**!!***!***!*!**!**!****!**********!*****    *    ****************!**!*

logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1  FKEFDRVLGGGVVPGSAILIGGNPGAGKSTLLLQVMCRLAQN.MKTLYVTGEESLQQVAMRAHRLGLPTENLNMLSETSI  159
NTDB id 125 BSU 00870 NP 387968.1            LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM  156
NTDB id 509 SM12261 RS00130 WP 078228442.1   MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 279 KZH43 RS00140 WP 074017595.1     MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 238 SPD RS00140 WP 074017595.1       MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 204 SPR RS00140 WP 074017595.1       MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 169 SP RS00155 WP 074017595.1        MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
consensus                                    **!!*!!!!!!!!!*!!**!!!!*!!*!!!!!!!!!!**!*** ***!!**!!!!**!***!!*!!!**********!!**

logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1  EQICLIAEQEAPQIMVIDSIQVMHMADIQSSPGSVAQVRETAAYLTRFAKTRGVAIIMVGHVTKDGSLAGPKVLEHCIDC  239
NTDB id 125 BSU 00870 NP 387968.1            EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT  236
NTDB id 509 SM12261 RS00130 WP 078228442.1   QSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 279 KZH43 RS00140 WP 074017595.1     QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 238 SPD RS00140 WP 074017595.1       QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 204 SPR RS00140 WP 074017595.1       QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 169 SP RS00155 WP 074017595.1        QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 537 SMSK321 RS07120 WP 080550752.1   QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
consensus                                    ***********!*****!!!!******!****!!!*!!!!**!*!***!!!****!**!!!!!!*!**!!!**!!!**!*

logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1  SVLLDGDADSRFRTLRSHKNRFGAVNELGVFAMTEQGMREVSNPSAIFLSRGEEITSGSSVMVLWEGTRPLLVEIQALVD  319
NTDB id 125 BSU 00870 NP 387968.1            VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS  316
NTDB id 509 SM12261 RS00130 WP 078228442.1   VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 279 KZH43 RS00140 WP 074017595.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 238 SPD RS00140 WP 074017595.1       VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 204 SPR RS00140 WP 074017595.1       VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 169 SP RS00155 WP 074017595.1        VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 537 SMSK321 RS07120 WP 080550752.1   VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
consensus                                    *****!*****!!*!!**!!!!!**!!*!*!*!***!**!!*!!!**!!*********!!!*****!!!!!*!*!*!!!**
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logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1   HSMMGNPRRVAVGLEQNRLAILLAVLHRHGGLQMADQDVFVNVVGGVKVTETSADLALMLSMVSSLRDRPLPQDLVIFGE   399
NTDB id 125 BSU 00870 NP 387968.1             PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
NTDB id 509 SM12261 RS00130 WP 078228442.1    PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 279 KZH43 RS00140 WP 074017595.1      PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 238 SPD RS00140 WP 074017595.1        PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 204 SPR RS00140 WP 074017595.1        PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 169 SP RS00155 WP 074017595.1         PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 537 SMSK321 RS07120 WP 080550752.1   PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
consensus                                     ****!!**!***!***!!*****!!!****!!****!!******!!!!**!***!!!******!!**!*!********!!

logo
NTDB id 73855 PAFU01 RS17875 WP 013024514.1   VGLAGEIRPVPSGQERISEAAKHGFKRAIVPAGNAPKKPI.EGMRVYSAKKLADALAILDDL   460
NTDB id 125 BSU 00870 NP 387968.1             VGLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1    LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1      LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1         LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                     *!!*!!*!*!*****!**!!!!*!!*****!**********!*********!*****
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X non conserved

X similar

X $\geq$ 50% conserved