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logo
NTDB id 307033 LA08 RS08490 WP 011258418.1   MAKAKTAYVCGECGAEYTKWQGQCTECGVWNTLSEIVLESATPGGKASPATSRRIGWAGKA.EAPKITALKDVQQSEQARVSTGI   84
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR........AAFSHSVQTVQKPSPITSIETSEEPRVKTQL   77
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR........VSLTGE...KTKPMKLAEVTSINVNRTKTEM   74
consensus                                    !!!*!****!**!!****!**!*!**!!*!****!***********         ******   **!**************!**!**

logo
NTDB id 307033 LA08 RS08490 WP 011258418.1   GEFDRVLGGGLVEGAVVLIGGDPGIGKSTLLLQALASMAST.LPVLYVTGEESLAQVAGRAVRLDLPLDGLNALSETGIEHILQH   168
NTDB id 125 BSU 00870 NP 387968.1            GEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSA   162
NTDB id 509 SM12261 RS00130 WP 078228442.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTE   158
NTDB id 279 KZH43 RS00140 WP 074017595.1     EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAE   158
NTDB id 238 SPD RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAE   158
NTDB id 204 SPR RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAE   158
NTDB id 169 SP RS00155 WP 074017595.1        EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAE   158
NTDB id 537 SMSK321 RS07120 WP 080550752.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAE   158
consensus                                    *!!*!!!!!!*!*!**!!!!!!!!!!!!!!!!!!!!******* **!!!**!!!!**!***!!*!!***********!!*******

logo
NTDB id 307033 LA08 RS08490 WP 011258418.1   ASVARPRLIVADSVQTLWTESLTAAPGSVSQVRESAARLVRYAKETGTAVFLVGHVTKEGGIAGPRVLEHMVDAVLYFEGESGSR   253
NTDB id 125 BSU 00870 NP 387968.1            IQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHT   247
NTDB id 509 SM12261 RS00130 WP 078228442.1   VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
NTDB id 279 KZH43 RS00140 WP 074017595.1     VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
NTDB id 238 SPD RS00140 WP 074017595.1       VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
NTDB id 204 SPR RS00140 WP 074017595.1       VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
NTDB id 169 SP RS00155 WP 074017595.1        VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
NTDB id 537 SMSK321 RS07120 WP 080550752.1   VERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHT   243
consensus                                    *****!*****!!*!!**********!!!!!!!!**!*!***!!******!*!!!!!!!!**!!!!*!!!!!!*!!!!!!!****

logo
NTDB id 307033 LA08 RS08490 WP 011258418.1   FRLLRAFKNRFGAVNELGVFAMGEKGLKEVSNPSAIFLSGGSTQQPGSCVMVTREGTRPLMVEVQALVDASPLSNPRRVAVGLEQ   338
NTDB id 125 BSU 00870 NP 387968.1            FRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDH   332
NTDB id 509 SM12261 RS00130 WP 078228442.1   FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
NTDB id 279 KZH43 RS00140 WP 074017595.1     FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
NTDB id 238 SPD RS00140 WP 074017595.1       FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
NTDB id 204 SPR RS00140 WP 074017595.1       FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
NTDB id 169 SP RS00155 WP 074017595.1        FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
NTDB id 537 SMSK321 RS07120 WP 080550752.1   FRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDF   328
consensus                                    !!*!!!*!!!!!**!!*!*!*!***!!*!!*!!!**!!********!!******!!!!!***!*!!!*******!**!***!***
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logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 307033 LA08 RS08490 WP 011258418.1   NRLAMLLAVLHRHGGIVVGDQDVFVNVVGGIRVQETAADLPVLLAVLSSLRDRPLAEKTIAFGEVGLSGEIRPVPNGEDRLKEAA   423
NTDB id 125 BSU 00870 NP 387968.1            NRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAA   417
NTDB id 509 SM12261 RS00130 WP 078228442.1   NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
NTDB id 279 KZH43 RS00140 WP 074017595.1     NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
NTDB id 238 SPD RS00140 WP 074017595.1       NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
NTDB id 204 SPR RS00140 WP 074017595.1       NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
NTDB id 169 SP RS00155 WP 074017595.1        NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
NTDB id 537 SMSK321 RS07120 WP 080550752.1   NRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAA   413
consensus                                    !!*****!!!****!*****!!*****!!****!*!*!!*******!!**!*!*******!!*!!*!!*!*!***!*!**!!!

logo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 307033 LA08 RS08490 WP 011258418.1   THGFKRAIVPRANAPKTTSIKGMEIIAVERLRQALEVAAD.   463
NTDB id 125 BSU 00870 NP 387968.1            KLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1   KLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1     KLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1       KLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1       KLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1        KLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   KLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                    **!!*****!*******!  ******!*!******!*****
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X non conserved

X similar

X $\geq$50% conserved