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logo
NTDB id 311919 D1111 RS04370 WP 005601211.1  MAKAPKTAYVCNDCGAEYSRWMGQCKECKSWNTVSEIRLISSKEATKSDRFSGYAGETSGKVQTLSEISLQEVPRFSSGF   80
NTDB id 125 BSU 00870 NP 387968.1            .MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPAN.RRAAFSHS.VQTVQKPSPITSIETSEEPRVKTQL   77
NTDB id 509 SM12261 RS00130 WP 078228442.1   .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 537 SMSK321 RS07120 WP 080550752.1   .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 279 KZH43 RS00140 WP 074017595.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 238 SPD RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 204 SPR RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 169 SP RS00155 WP 074017595.1        .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKN.ARVSLTGE....KTKPMKLAEVTSINVNRTKTEM   74
consensus                                     ****!****!**!!*******!*!**!**!****!********  *******    **!**************!*****

logo
NTDB id 311919 D1111 RS04370 WP 005601211.1  NELDRVLGGGVVPGSALLIGGHPGAGKSTLLLQVMCGLSKD.LPTLYVTGEESLQQVAMRANRLGLPTDNLKMLSETSVE  159
NTDB id 125 BSU 00870 NP 387968.1            GEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDME  157
NTDB id 509 SM12261 RS00130 WP 078228442.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 537 SMSK321 RS07120 WP 080550752.1   EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 279 KZH43 RS00140 WP 074017595.1     EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 238 SPD RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 204 SPR RS00140 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 169 SP RS00155 WP 074017595.1        EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
consensus                                    *!**!!!!!!!!*!!**!!!!*!!*!!!!!!!!!!***!!** ***!!**!!!!**!***!!*!!!**********!!***

logo
NTDB id 311919 D1111 RS04370 WP 005601211.1  HICNIADQEKPKIMVIDSIQVMHLADIQSSPGSVSQVRECASFLTRYAKTRQVAIIMVGHVTKDGTLAGPKVLEHCIDAS  239
NTDB id 125 BSU 00870 NP 387968.1            YISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV  237
NTDB id 509 SM12261 RS00130 WP 078228442.1   SVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 537 SMSK321 RS07120 WP 080550752.1   SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 279 KZH43 RS00140 WP 074017595.1     SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 238 SPD RS00140 WP 074017595.1       SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 204 SPR RS00140 WP 074017595.1       SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 169 SP RS00155 WP 074017595.1        SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
consensus                                    **********!*****!!!!******!****!!!!!!!!****!***!!!****!**!!!!!!*!**!!!**!!!**!**

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NTDB id 311919 D1111 RS04370 WP 005601211.1  ILLEGESDSRFRTLRSQKNRFGAVNELGVFAMTEQGLREVKNPSAIFLSRSDEQTPGSSVMVLWEGTRPLLVEIQALVDH  319
NTDB id 125 BSU 00870 NP 387968.1            LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISP  317
NTDB id 509 SM12261 RS00130 WP 078228442.1   LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP  313
NTDB id 537 SMSK321 RS07120 WP 080550752.1   LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP  313
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
consensus                                    ***!!!****!!*!!**!!!!!**!!*!*!*!***!!*!!*!!!**!!*********!!!*****!!!!!*!*!*!!!***
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logo

NTDB id 311919 D1111 RS04370 WP 005601211.1   SMLANPRRVAVGLDHNRLSLLLAVLHRHGGLQMSDQDVFVNVVGGVKVTETSADLALILALISSFRNRALPQDLVVFGEV   399
NTDB id 125 BSU 00870 NP 387968.1             TSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEV   397
NTDB id 509 SM12261 RS00130 WP 078228442.1    TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 537 SMSK321 RS07120 WP 080550752.1    TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
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
consensus                                     ****!**!***!*!*!!*!!**!!!****!!****!!******!!!!**!***!!!******!!*************!!*

logo

NTDB id 311919 D1111 RS04370 WP 005601211.1   GLAGEIRPVPSGQERISEAAKHGFKRAIIPHGNAPKKP.IKGMEVFTVKKLSDALDI.LGNL   459
NTDB id 125 BSU 00870 NP 387968.1             GLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG.   458
NTDB id 509 SM12261 RS00130 WP 078228442.1    GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1    GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA..   453
NTDB id 279 KZH43 RS00140 WP 074017595.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 238 SPD RS00140 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 204 SPR RS00140 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
NTDB id 169 SP RS00155 WP 074017595.1         GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA..   453
consensus                                     !!*!!*!*!*****!**!!!!*!!*****!*******  *****!**!******!*****
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X non conserved

X similar

X $\geq$ 50% conserved