logo

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NTDB id 509 SM12261 RS00130 WP 078228442.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 279 KZH43 RS00140 WP 074017595.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 238 SPD RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 204 SPR RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 169 SP RS00155 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 537 SMSK321 RS07120 WP 080550752.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTG......EKTKPMKLAEVTSINVNRTKTEM  74
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  MVKRKTKFMCQECGYESPKWLGKCPGCGEWNKMVEEVEV.TGGNRRGAFAHSQGVSTLAAKPTPITATIESLSEPRILTDL  79
NTDB id 125 BSU 00870 NP 387968.1           MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQ...TVQKPSPITSIETSEEPRVKTQL  77
consensus                                   !*!*!**!*!!*!!!*!!!**!*!!*!!*!***!!!********!*!*****      ***!!**********!**!**
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logo

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NTDB id 509 SM12261 RS00130 WP 078228442.1  EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 279 KZH43 RS00140 WP 074017595.1    EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 238 SPD RS00140 WP 074017595.1      EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 204 SPR RS00140 WP 074017595.1      EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 169 SP RS00155 WP 074017595.1       EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 537 SMSK321 RS07120 WP 080550752.1  EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQVG.TVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ  153
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  NELNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSSQLANKGNQVLYISGEESLRQTKLRAERLGIKSENLLVYAETNLD  159
NTDB id 125 BSU 00870 NP 387968.1           GEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDME  157
consensus                                   *!*!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!****  *!!!*!!!!!**!*!!!!*!!!*********!!***
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NTDB id 509 SM12261 RS00130 WP 078228442.1  SVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  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
NTDB id 537 SMSK321 RS07120 WP 080550752.1  SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV  233
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  EISRTIENTNPSFVIIDSIQTVFHPEVTSAPGSVSQVRECTSELMRIGKTKGIAIFIVGHVTKEGSIAGPRLLEHMVDTV  239
NTDB id 125 BSU 00870 NP 387968.1           YISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV  237
consensus                                   **********!*!***!!!!!***********!!!!!!!!*!*!!!***!!**!*!!!!!!!!!!!!**!!!!*!!!!!!!!
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NTDB id 509 SM12261 RS00130 WP 078228442.1  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
NTDB id 537 SMSK321 RS07120 WP 080550752.1  LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP  313
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  LYFEGERHHTYRILRAVKNRFGSTNEMGIFEMKEFGLDEVANPSEIFLEERSQGAAGSTVVASMEGTRPVLVEIQALISP  319
NTDB id 125 BSU 00870 NP 387968.1           LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISP  317
consensus                                   !!!!!!!!!!*!!!!!!!!!!!!!!!!*!!!!!***!!*!!*!!!**!!!!!**!**!!*****!!!!!!*!*!*!!!**!
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NTDB id 509 SM12261 RS00130 WP 078228442.1      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
NTDB id 537 SMSK321 RS07120 WP 080550752.1      TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  TSFGNPRRMATGIDHNRVPLLMAVLEKRMGMLLQNQDAYLKVAGGVKLDEPAIDLAIVVSIASSFRDKPTRATDCIIGEV   399
NTDB id 125 BSU 00870 NP 387968.1               TSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEV   397
consensus                                      !*!!!**!**!!*!*!!**!*!!!!!!!*!*!!!!!!!!!!*!!!!!!!!!!!!!!****!!!!**!*!*****!**!!*
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logo

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NTDB id 509 SM12261 RS00130 WP 078228442.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   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
NTDB id 537 SMSK321 RS07120 WP 080550752.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 1106689 ACN6MT RS03550 WP 034676005.1  GLTGEVRRVSRIEQRVQEAAKLGFERVILPANNLSGWQGPKGVELIGVSTVAEALKAVLGV   460
NTDB id 125 BSU 00870 NP 387968.1               GLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
consensus                                      !!!!!*!!!*!!!!!**!!!!!!!*****!***!*!** !*****!!!****!*!*****
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X non conserved
X similar
X $\geq$ 50% conserved