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logo

NTDB id 509 SM12261 RS00130 WP 078228442.1      .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1        .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1          .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1          .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1           .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 537 SMSK321 RS07120 WP 080550752.1      .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVS......LTGEKTKPMKLAEVTSINVNRTKTE   73
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   MAVKKKTKFMCQSCGYESPKWMGKCPGCGEWNKMVEETEIVKPARKGAFTNSEVRGSGEREKAAPITTIQSEKEPRIKTD   80
NTDB id 125 BSU 00870 NP 387968.1               .MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHS...VQTVQKPSPITSIETSEEPRVKTQ   76
consensus                                        **!*!**!*!!*!!!*!!!**!*!!*!!*!***!!!**********       ******!*************!*!!*

logo

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
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   LMELNRALGGGIVQGSLVLIGGDPGIGKSTLLLQVSSQLAHKQKKVLYISGEESVKQTKLRADRLGTMSENLFVYAETDM   160
NTDB id 125 BSU 00870 NP 387968.1               LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM   156
consensus                                       **!*!!*!!!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!*** **!!!!*!!!!!**!*!!!!*!!!*********!!*!

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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
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   DYIQQAITDVKPDLVIIDSIQTVYHSEVTSAPGSVSQVRECTASLMRIAKTNGIAIFIVGHVTKEGAIAGPRLLEHMVDT   240
NTDB id 125 BSU 00870 NP 387968.1               EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT   236
consensus                                       ***********!*****!!!!!!*********!!!!!!!!!*!!*!!**!!!**!*!!!!!!!!!!!**!!!!!*!!!!!!!

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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
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   VLYFEGERHHTYRIIRAVKNRFGSTNEMGIFEMKEHGLEEVANPSEIFLEERSQGASGSTVVASMEGTRPVLVEIQALIS   320
NTDB id 125 BSU 00870 NP 387968.1               VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS   316
consensus                                       !!!!!!!!!!!*!!*!!!!!!!!!!!!!*!!!!!***!!*!!*!!!**!!!!!**!**!!*****!!!!!!*!*!*!!!**
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logo
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
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAVAISIASSFRDKPTNPADCIIGE   400
NTDB id 125 BSU 00870 NP 387968.1               PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
consensus                                       !!*!!!**!**!!*!*!!*!!*!!!!!!!*!!!!!!!!!!!!*!!!!!!!!!!!!!!!****!!!!**!*!*!!**!**!!

logo
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
NTDB id 1003995 AAEY33 RS00575 WP 076372905.1   VGLTGEVRRVSRIEQRVQEAAKLGFERVIIPANNIGGWTAPKGIKIVGVSSVSEALKQSLGG   462
NTDB id 125 BSU 00870 NP 387968.1               VGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
consensus                                       *!!!!!*!!!*!!!!!**!!!!!!!*****!*****!*! !**!***!!****!*!*****
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X non conserved

X similar

X $\geq$ 50% conserved