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logo
NTDB id 229075 CA264 RS17175 WP 025608626.1   MAKIKTSYFCQNCGAQSAKWIGKCPACGEWNTYVEEVVQREEVTPTTAWKVGTSSAQVSNKPKPIADISYQEQQRIVTQD   80
NTDB id 125 BSU 00870 NP 387968.1             MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAF...SHSVQTVQKPSPITSIETSEEPRVKTQL   77
NTDB id 279 KZH43 RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 238 SPD RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 204 SPR RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 169 SP RS00155 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 509 SM12261 RS00130 WP 078228442.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
NTDB id 537 SMSK321 RS07120 WP 080550752.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTEM   74
consensus                                     !!!*!****!!*!!**!*!**!*!!*!!*!***!!!************   ***   **!!************!**!**

logo
NTDB id 229075 CA264 RS17175 WP 025608626.1   QELNRVLGGGIVPGSMVLIGGEPGIGKSTLMLQIALSLRG..LKVLYVSGEESEQQIKMRAERLLAQTSDCFILTETGTQ   158
NTDB id 125 BSU 00870 NP 387968.1             GEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDME   157
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
NTDB id 509 SM12261 RS00130 WP 078228442.1    EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ   153
NTDB id 537 SMSK321 RS07120 WP 080550752.1    EEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQ   153
consensus                                     *!*!!!!!!!*!*!!*!!!!!*!!!!!!!!*!!****!***  **!!!*!!!!!**!*!*!!*!!*************!!***

logo
NTDB id 229075 CA264 RS17175 WP 025608626.1   NIFKQVEQIRPQVLIIDSIQTLHSSFIEAGAGGSVSQVRECTAELLKFAKESGTPVFLIGHITKEGNLAGPKILEHMVDTV   238
NTDB id 125 BSU 00870 NP 387968.1             YISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV   237
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 509 SM12261 RS00130 WP 078228442.1    SVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 537 SMSK321 RS07120 WP 080550752.1    SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
consensus                                     **********!*****!!!!!*****!****!!!!!!!!*!!!!***!!******!**!!*!!!!**!!!**!!!!!!!!

logo
NTDB id 229075 CA264 RS17175 WP 025608626.1   LQFEGDRHMTYRILRTTKNRFGSTSELGIYEMMGSGLREVSNPSEILISQREDAFSGISIGATLEGNRPLLIEVQSLVSP   318
NTDB id 125 BSU 00870 NP 387968.1             LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISP   317
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 509 SM12261 RS00130 WP 078228442.1    LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 537 SMSK321 RS07120 WP 080550752.1    LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
consensus                                     !*!!!*!!*!*!!!!**!!!!!!!*!*!!*!!***!!*!!*!!!******!*****!*!!****!!*!!*!*!*!*!**!
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logo
NTDB id 229075 CA264 RS17175 WP 025608626.1  ATYGTPQRTSTGFDAKRLNMLLAVLEKRGGYRLGAQDVFLNIAGGLKVEDPALDLAVCASILSSFEDMPISNTACFAAEV  398
NTDB id 125 BSU 00870 NP 387968.1            TSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEV  397
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 509 SM12261 RS00130 WP 078228442.1   TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL  393
NTDB id 537 SMSK321 RS07120 WP 080550752.1   TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL  393
consensus                                    ***!***!**!!*!**!*****!!!!!!*!**!**!!**!**!!!*!***!!*!!!****!*!!**!*!*****!!**!*

logo
NTDB id 229075 CA264 RS17175 WP 025608626.1  GLGGEVRAVNRVENRITEAEKLGFTDIYISKYNKKGVDLSKFSINVHAYGRLEEVFSSLFG.  459
NTDB id 125 BSU 00870 NP 387968.1            GLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKG.IEVIGVANVAEALRTSLGG  458
NTDB id 279 KZH43 RS00140 WP 074017595.1     GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKE.IQVIGVTTIQEVLKKVFA.  453
NTDB id 238 SPD RS00140 WP 074017595.1       GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKE.IQVIGVTTIQEVLKKVFA.  453
NTDB id 204 SPR RS00140 WP 074017595.1       GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKE.IQVIGVTTIQEVLKKVFA.  453
NTDB id 169 SP RS00155 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKE.IQVIGVTTIQEVLKKVFA.  453
NTDB id 509 SM12261 RS00130 WP 078228442.1   GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKE.IQVIGVTTIQEVLKKVFA.  453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPME.IQVIGVTTIQEVLKKVFA.  453
consensus                                    !!*!!*!*!*!*!*!**!!*!!!!**********!****** !*!*******!*******
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X non conserved

X similar

X $\geq$ 50% conserved