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NTDB id 173778 A0W33 RS08295 WP 068837716.1  MAKIKTSYFCQNCGAQSAKWIGKCPACGEWNTYVEEVVQREEVTPTTAWKVGSSTAQVSNKPKSIADISYQEQHRIVTPD  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                                    !!!*!****!!*!!**!*!**!*!!*!!*!***!!!**********    ***   **!!************!**!**
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NTDB id 173778 A0W33 RS08295 WP 068837716.1  QELNRVLGGGIVPGSMVLIGGEPGIGKSTLMLQIALGLSGL..KVLYVSGEESEQQIKMRAERLTAQTSDCFILTETGTQ  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                                    *!*!!!!!!!!*!*!!!*!!!!!*!!!!!!!!!*!!*****!!**  **!!!*!!!!!!**!*!*!!*!!*************!!***
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NTDB id 173778 A0W33 RS08295 WP 068837716.1  NIFKQVELVRPQVLIIDSIQTLHSSFIEAGAGSVSQVRECTAELLKFAKESGTPVFLIGHITKEGNLAGPKILEHMVDTV  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                                    **********!*****!!!!!*****!****!!!!!!!!*!!!!***!!******!**!!*!!!!**!!!**!!!!!!!!
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NTDB id 173778 A0W33 RS08295 WP 068837716.1  LQFEGDRHMTYRILRTTKNRFGSTSELGIYEMLGTGLREVSNPSEILISQREDAFSGISIGATLEGNRPLLIEVQSLVSP  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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NTDB id 173778 A0W33 RS08295 WP 068837716.1  ATYGTPQRTSTGFDGKRLNMLLAVLEKRGGYRLGAQDVFLNIAGGLKVEDPALDLAVCASILSSFEDIAIPSTAAFAAEV  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                                    ***!***!**!!*!**!*****!!!!!!*!**!**!!**!**!!!*!***!!*!!!*****!*!!**!*********!**!*

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NTDB id 173778 A0W33 RS08295 WP 068837716.1  GLGGEVRAVNRVENRITEAEKLGFTDIYISKYNKKGVDLSKFSINIHAYGRLEEVFGSLFG.   459
NTDB id 125 BSU 00870 NP 387968.1            GLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIE.VIGVANVAEALRTSLGG   458
NTDB id 279 KZH43 RS00140 WP 074017595.1     GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ.VIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1       GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ.VIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1       GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ.VIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQ.VIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1   GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQ.VIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1   GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQ.VIGVTTIQEVLKKVFA.   453
consensus                                    !!*!!*!*!*!*!*!**!!*!!!!**********!********  *********!*******
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X non conserved
X similar
X ≥ 50% conserved