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logo
NTDB id 198016 BI380 RS23465 WP 016448587.1  MAKDKTTFICNACGGSSPRWLGKCPACGAWNSLIEAVAEPAGAGKNRLSQPQGYAGLANAQAVMPLSAIEAQDVARTPSG   80
NTDB id 125 BSU 00870 NP 387968.1            MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR.AAF...SHSVQTVQKPSPITSIETSEEPRVKTQ   76
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 537 SMSK321 RS07120 WP 080550752.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR.VSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
consensus                                    !!!*!**!*!**!!**!!***!*!!*!!*!****!**********  ***    ***    ****************!****

logo
NTDB id 198016 BI380 RS23465 WP 016448587.1  IEELDRVLGGGIVEGGVVLIGGDPGIGKSTLLLQAMDALHRVGLPTLYVTGEESGAQVALRSRRLGLEASQVNVLAEIQL  160
NTDB id 125 BSU 00870 NP 387968.1            LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM  156
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
consensus                                    **!**!!!!!!*!*!**!!!!!!!!!!!!!!!!!!!!****!***  ***!!**!!!!**!**!!**!!!**********!***

logo
NTDB id 198016 BI380 RS23465 WP 016448587.1  EKILATMEATQPAVVVIDSIQTVYSDQLSSAPGSVAQVRECAAHLTRAAKTTGITVILVGHVTKEGALAGPRVLEHMVDT  240
NTDB id 125 BSU 00870 NP 387968.1            EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT  236
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
consensus                                    **********!*****!!!!!**********!!!*!!!!**!*!***!!!**!****!!!!!!!!**!!!!*!!!!!!!

logo
NTDB id 198016 BI380 RS23465 WP 016448587.1  VLYFEGDTHSNFRLVRAIKNRFGAVNEIGVFAMTEKGLKGVTNPSAIFLSQHSEPVPGSCVLVTLEGTRPMLVEIQALVD  320
NTDB id 125 BSU 00870 NP 387968.1            VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS  316
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
consensus                                    !!!!!!**!**!!**!!*!!!!!**!!*!*!*!***!!**!*!!!**!!********!!******!!!!!*!*!*!!!**
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logo
NTDB id 198016 BI380 RS23465 WP 016448587.1   QGG.PAPRRLSVGLDRDRLAMLLAVLSRHAGVACADQDVFVNAVGGVRISEPAADLAVMLSITSSLRGRALPKGFLAFGE   399
NTDB id 125 BSU 00870 NP 387968.1             PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
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
consensus                                     ********!***!*!**!*****!!!****!*****!!******!!!***!!!*!!!****!*!!**************!!

logo
NTDB id 198016 BI380 RS23465 WP 016448587.1   VGLAGEVRPAPRGQERLKEAAKLGFTMAVVPKANAPKKAIPG.LTVHAVERVDEAMNIVRGMG   461
NTDB id 125 BSU 00870 NP 387968.1             VGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG.   458
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
consensus                                     *!!*!!*!***!***!**!!!!!!!*****!********!****!**!****!*******
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X non conserved

X similar

X $\geq$ 50% conserved