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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 125 BSU 00870 NP 387968.1          ....................MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIE   66
NTDB id 61627 SCI RS08930 WP 148290517.1   MVCGQVVLEALGIKKEESIIAKKKSTFVCQNCEYHSPKYLGRCPNCGTWSSFVEEVEVAEVKNARVSLTGE...KTRPMKLAEVT   82
NTDB id 279 KZH43 RS00140 WP 074017595.1   ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
NTDB id 238 SPD RS00140 WP 074017595.1     ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
NTDB id 204 SPR RS00140 WP 074017595.1     ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
NTDB id 169 SP RS00155 WP 074017595.1      ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
NTDB id 537 SMSK321 RS07120 WP 080550752.1 ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
NTDB id 509 SM12261 RS00130 WP 078228442.1 ....................MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVT   63
consensus                                   *!!*!**!*!!*!*!*!!!**!*!!*!!*!***!!!*******!*!******   ***!*******

logo

NTDB id 125 BSU 00870 NP 387968.1          TSEEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVL   151
NTDB id 61627 SCI RS08930 WP 148290517.1   SIDVKRTKTDMDEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSHK.GTVLYVSGEESAEQIKLRAERLGDIDSEFYLY   166
NTDB id 279 KZH43 RS00140 WP 074017595.1   SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
NTDB id 238 SPD RS00140 WP 074017595.1     SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
NTDB id 204 SPR RS00140 WP 074017595.1     SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
NTDB id 169 SP RS00155 WP 074017595.1      SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
NTDB id 537 SMSK321 RS07120 WP 080550752.1 SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
NTDB id 509 SM12261 RS00130 WP 078228442.1 SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLY   147
consensus                                  *****!*!!***!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!*!!!** **!!!*!!!!!**!*!!!!*!!!*********

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NTDB id 125 BSU 00870 NP 387968.1          SETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT   236
NTDB id 61627 SCI RS08930 WP 148290517.1   AETNMQHIRAEIEKIKPDFLIIDSIQTIVSPEISSMQGSVSQVREVTAELMQLAKTNNIATFIVGHMTKEGTLAGPRTLEHMVDT   251
NTDB id 279 KZH43 RS00140 WP 074017595.1   AETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 238 SPD RS00140 WP 074017595.1     AETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 204 SPR RS00140 WP 074017595.1     AETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 169 SP RS00155 WP 074017595.1      AETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 537 SMSK321 RS07120 WP 080550752.1 AETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 509 SM12261 RS00130 WP 078228442.1 AETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
consensus                                  *!!*!**********!*!***!!!!!*****!***!!!!!!!!!*!!!!!**!!!**!**!!!!!*!!!!**!!!!*!!!!!!!

logo

NTDB id 125 BSU 00870 NP 387968.1          VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFG   321
NTDB id 61627 SCI RS08930 WP 148290517.1   VLYFEGERQHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   336
NTDB id 279 KZH43 RS00140 WP 074017595.1   VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
NTDB id 238 SPD RS00140 WP 074017595.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
NTDB id 204 SPR RS00140 WP 074017595.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
NTDB id 169 SP RS00155 WP 074017595.1      VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
NTDB id 537 SMSK321 RS07120 WP 080550752.1 VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
NTDB id 509 SM12261 RS00130 WP 078228442.1 VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFG   317
consensus                                  !!!!!!!!*!!!!!!!!!!!!!!!!!!!!*!!!!!***!!*!!!!!!**!!!!!**!**!!!!***!!!!!!!!*!*!!!**!!*!!
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logo                                    NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV
                                        PRMAATHVLVMRIVISFRETPADYYGYGLVM

NTDB id 125 BSU 00870 NP 387968.1       NPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRV   406
NTDB id 61627 SCI RS08930 WP 148290517.1 NAKRTTAGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVRLDEPAIDLAVAVAIASSYKEKPTNPQECYIGEIGLTGEIRRV   421
NTDB id 279 KZH43 RS00140 WP 074017595.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
NTDB id 238 SPD RS00140 WP 074017595.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
NTDB id 204 SPR RS00140 WP 074017595.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
NTDB id 169 SP RS00155 WP 074017595.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
NTDB id 509 SM12261 RS00130 WP 078228442.1 NAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRV   402
consensus                               !**!***!*!*!!*!!*!!!!!!!*!!!!!!!!!!!!!*!!!!*!!!!!!!!!!*****!!!!****!*!!**!**!!*!!!!!*!!!

logo                                    NRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA
                                        SVKVKRMIIAANDWLNKDSTEANVAARTSLGG

NTDB id 125 BSU 00870 NP 387968.1       SRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 61627 SCI RS08930 WP 148290517.1 NRIEQRITEAVKLGFTKIYVPKNSLNGLNIPDKTEVIGVTTIGEVLKKVFG.   472
NTDB id 279 KZH43 RS00140 WP 074017595.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1 NRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                               *!!!!!**!!*!!!!*****!***!*!***!****!!!!****!*!*****
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X non conserved

X similar

X $\geq$ 50% conserved