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logo
NTDB id 23176 LJ RS02105 WP 004896725.1     MAKVKTRYKCRNCGYISASYLGRCPNCGAWNQFEEETQEIKKVSTKATASRLMTKIGNNDPVKLTEVKAEKEKRIVTPFEELNRV   85
NTDB id 125 BSU 00870 NP 387968.1           MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFS..HSVQTVQKPSPITSIETSEEPRVKTQLGEFNRV   83
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
NTDB id 279 KZH43 RS00140 WP 074017595.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
NTDB id 238 SPD RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
NTDB id 204 SPR RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
NTDB id 169 SP RS00155 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT..GE...KTKPMKLAEVTSINVNRTKTEMEEFNRV   80
consensus                                  !!!*!****!**!!!*!****!*!!*!!*!****!!**************  **   ***!************!**!***!*!!!

logo
NTDB id 23176 LJ RS02105 WP 004896725.1     LGGGIVPGSLVLIGGDPGIGKSTLLMLQITGALAKE.HSVLYVSGEESASQIKMRADRLGVSNSGILLYPETNMQNIRDQIDEIKP   169
NTDB id 125 BSU 00870 NP 387968.1           LGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSAIQEMNP   168
NTDB id 509 SM12261 RS00130 WP 078228442.1 LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTEVERIQP   164
NTDB id 279 KZH43 RS00140 WP 074017595.1   LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQP   164
NTDB id 238 SPD RS00140 WP 074017595.1     LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQP   164
NTDB id 204 SPR RS00140 WP 074017595.1     LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQP   164
NTDB id 169 SP RS00155 WP 074017595.1      LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQP   164
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERIQP   164
consensus                                  !!!!!*!*!!!!!!!!!!!!!!!!!!!!*!!****!*** **!!!*!!!!!**!*!*!!*!!!*********!!*!*********!

logo
NTDB id 23176 LJ RS02105 WP 004896725.1     DFLVIDSIQTMNEPSLDSMVGSASQVREVTSELMKIAKNEQITTFVIGHVTKEGAIAGPKIMEHMVDTVLYFEGDGHHSYRILRS   254
NTDB id 125 BSU 00870 NP 387968.1           SFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRA   253
NTDB id 509 SM12261 RS00130 WP 078228442.1 DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
NTDB id 279 KZH43 RS00140 WP 074017595.1   DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
NTDB id 238 SPD RS00140 WP 074017595.1     DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
NTDB id 204 SPR RS00140 WP 074017595.1     DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
NTDB id 169 SP RS00155 WP 074017595.1      DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
NTDB id 537 SMSK321 RS07120 WP 080550752.1 DFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRA   249
consensus                                  *!***!!!!!*****************!!*!!!!!*!*!!!**!!***!**!**!!!!!!!**!!!***!!!!!!!!!!!!!**!!**!!!!*

logo
NTDB id 23176 LJ RS02105 WP 004896725.1     VKNRFGAANEIGMFEMKNEGLAEVSNPSAIFLDERLPNSTGSSVVVSLEGTRPLLADIQALVTPTAFGYAKRTTSGLDFNRVALL   339
NTDB id 125 BSU 00870 NP 387968.1           VKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLL   338
NTDB id 509 SM12261 RS00130 WP 078228442.1 VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
NTDB id 279 KZH43 RS00140 WP 074017595.1   VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
NTDB id 238 SPD RS00140 WP 074017595.1     VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
NTDB id 204 SPR RS00140 WP 074017595.1     VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
NTDB id 169 SP RS00155 WP 074017595.1      VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
NTDB id 537 SMSK321 RS07120 WP 080550752.1 VKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLI   334
consensus                                  !!!!!!**!!*!*!!!***!!*!!*!!!**!!*!!*****!!!*****!!!!!*!***!!!**!!*!!***!***!*!*!!**!*
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logo
NTDB id 23176 LJ RS02105 WP 004896725.1      LAVLEKRGNLMLQNQDAFLTATGGIKLNEPAIDLAICMAVASSYKNKEISSTDCFVGEVGLTGEIRRVNQIEARVKEAAKVGFKR   424
NTDB id 125 BSU 00870 NP 387968.1            MAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKR   423
NTDB id 509 SM12261 RS00130 WP 078228442.1  MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
NTDB id 279 KZH43 RS00140 WP 074017595.1    MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
NTDB id 238 SPD RS00140 WP 074017595.1      MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
NTDB id 204 SPR RS00140 WP 074017595.1      MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
NTDB id 169 SP RS00155 WP 074017595.1       MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
NTDB id 537 SMSK321 RS07120 WP 080550752.1  MAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTK   419
consensus                                   *!!!!!!**!*!!!!!!*!**!!*!!*!!!!!!!*****!!!**********!!*!!*!!!!!*!!!**!!*!**!!!!*!!**
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logo
NTDB id 23176 LJ RS02105 WP 004896725.1      IFIPKNNLNQELKNNSEIEVIGVASLPQALKLVFN.   459
NTDB id 125 BSU 00870 NP 387968.1            MIIPAANLDGW.TKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1  IYVPKNSLTGI.TPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1    IYVPKNSLTGI.TLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1      IYVPKNSLTGI.TLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1      IYVPKNSLTGI.TLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1       IYVPKNSLTGI.TLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1  IYVPKNSLTGI.TPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                   ***!***!***  *  ***!*!!!!******!*****
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X non conserved

X similar

X ≥ 50% conserved