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logo

NTDB id 1033325 AB8814 RS15695 WP 205392080.1   MAKAKIAYVCGECGAEYNKWQGQCTECGVWNTLSEIVLESATPGGKASPAASRRTGWSGKT.EAPKITALKDVRQSEQAR   79
NTDB id 125 BSU 00870 NP 387968.1               MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANR........RAAFSHSVQTVQKPSPITSIETSEEPR   72
NTDB id 509 SM12261 RS00130 WP 078228442.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 279 KZH43 RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 238 SPD RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 204 SPR RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 169 SP RS00155 WP 074017595.1           MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
NTDB id 537 SMSK321 RS07120 WP 080550752.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNA........RVSLTGE...KTKPMKLAEVTSINVNR   69
consensus                                       !!!*!****!**!!****!**!*!**!!*!****!*********         !******   **!**************!

logo

NTDB id 1033325 AB8814 RS15695 WP 205392080.1   VSTGIGEFDRVLGGGLVEGAVVLIGGDPGIGKSTLLLQALASMAST.LPVLYVTGEESLAQVAGRAVRLDLPLEGLNALA   158
NTDB id 125 BSU 00870 NP 387968.1               VKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLS   152
NTDB id 509 SM12261 RS00130 WP 078228442.1      TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
NTDB id 279 KZH43 RS00140 WP 074017595.1        TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
NTDB id 238 SPD RS00140 WP 074017595.1          TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
NTDB id 204 SPR RS00140 WP 074017595.1          TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
NTDB id 169 SP RS00155 WP 074017595.1           TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
NTDB id 537 SMSK321 RS07120 WP 080550752.1      TKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYA   148
consensus                                       **!***!!*!!!!!!*!*!**!!!!!!!!!!!!!!!!!!*******  **!!!**!!!!**!***!!*!!***********

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NTDB id 1033325 AB8814 RS15695 WP 205392080.1   ETGIENILQHASVARPKLIVADSVQTLWTESLTAAPGSVSQVRESAARLVRYAKETGTAVFLVGHVTKEGGIAGPRVLEH   238
NTDB id 125 BSU 00870 NP 387968.1               ETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEH   232
NTDB id 509 SM12261 RS00130 WP 078228442.1      ETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
NTDB id 279 KZH43 RS00140 WP 074017595.1        ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
NTDB id 238 SPD RS00140 WP 074017595.1          ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
NTDB id 204 SPR RS00140 WP 074017595.1          ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
NTDB id 169 SP RS00155 WP 074017595.1           ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
NTDB id 537 SMSK321 RS07120 WP 080550752.1      ETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEH   228
consensus                                       !!*************!*****!!*!!**********!!!!!!!!**!*!***!!******!*!!!!!!!!**!!!!*!!!

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NTDB id 1033325 AB8814 RS15695 WP 205392080.1   MVDAVLYFEGESGSRFRLLRAFKNRFGAVNELGVFAMGEKGLKEVSNPSAIFLSGGSTQQPGSCVMVTREGTRPLMVEVQ   318
NTDB id 125 BSU 00870 NP 387968.1               MVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQ   312
NTDB id 509 SM12261 RS00130 WP 078228442.1      MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
NTDB id 279 KZH43 RS00140 WP 074017595.1        MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
NTDB id 238 SPD RS00140 WP 074017595.1          MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
NTDB id 204 SPR RS00140 WP 074017595.1          MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
NTDB id 169 SP RS00155 WP 074017595.1           MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
NTDB id 537 SMSK321 RS07120 WP 080550752.1      MVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQ   308
consensus                                       !!!*!!!!!!!****!!*!!!*!!!!!**!!*!*!*!***!!*!!*!!!**!!********!!******!!!!!***!*!
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NTDB id 1033325 AB8814 RS15695 WP 205392080.1   ALVDASPLSNPRRVAVGLEQNRLAMLLAVLHRHGGIVVGDQDVFVNVVGGIRVQETAADLPVLLAVLSSLRDRPLAEKTI   398
NTDB id 125 BSU 00870 NP 387968.1               ALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADC   392
NTDB id 509 SM12261 RS00130 WP 078228442.1      ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
NTDB id 279 KZH43 RS00140 WP 074017595.1        ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
NTDB id 238 SPD RS00140 WP 074017595.1          ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
NTDB id 204 SPR RS00140 WP 074017595.1          ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
NTDB id 169 SP RS00155 WP 074017595.1           ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
NTDB id 537 SMSK321 RS07120 WP 080550752.1      ALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQEC   388
consensus                                       !!*******!**!***!***!!*****!!!****!*****!!******!!****!*!*!!*******!!**!*!******
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NTDB id 1033325 AB8814 RS15695 WP 205392080.1   AFGEVGLSGEIRPVPNGEDRLKEAATHGFKRAIVPKANAPKTTSIKGMEIIAVERLSGALEAAAD.   463
NTDB id 125 BSU 00870 NP 387968.1               FIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1      FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1        FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1          FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1          FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1           FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1      FVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                       **!!*!!*!!*!*!***!*!**!!!**!!*****!*******!  ******!*!******!*****
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X non conserved

X similar

X $\geq$ 50% conserved