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logo
NTDB id 36958 SRM RS13930 WP 043553458.1    MASSEPRYVCQECGHEAHKWMGKCTGCGAWNTLVKETESADVEAQVPDLSTDGQNGTAAAQNQPTQLTDVEMEGESRLKTGVDEL   85
NTDB id 125 BSU 00870 NP 387968.1           MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFS.....HSVQTVQKPSPITSIETSEEPRVKTGLGEF   80
NTDB id 509 SM12261 RS00130 WP 078228442.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 537 SMSK321 RS07120 WP 080550752.1  MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 279 KZH43 RS00140 WP 074017595.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 238 SPD RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 204 SPR RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 169 SP RS00155 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLT.....GE...KTKPMKLAEVTSINVNRTKTEMEEF   77
consensus                                   !!*******!!*!!****!**!*!**!!*!***!*!**************     **   ***!************!*!!***!*

logo
NTDB id 36958 SRM RS13930 WP 043553458.1    DRVMGGGIMQGSFSLIAGDPGIGKSTLMTELGGYLPG..RKILYVTGEESKRQVKLRAQRLGVDSDALYLLAETNVQEIANAVDD  168
NTDB id 125 BSU 00870 NP 387968.1           NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSAIQE  165
NTDB id 509 SM12261 RS00130 WP 078228442.1  NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTEVER  161
NTDB id 537 SMSK321 RS07120 WP 080550752.1  NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER  161
NTDB id 279 KZH43 RS00140 WP 074017595.1    NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER  161
NTDB id 238 SPD RS00140 WP 074017595.1      NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER  161
NTDB id 204 SPR RS00140 WP 074017595.1      NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER  161
NTDB id 169 SP RS00155 WP 074017595.1       NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER  161
consensus                                   *!!*!!!***!!**!!*!!!!!!!!!!******!*** ***!!**!!!!**!*!!!!*!!!**********!!***********

logo
NTDB id 36958 SRM RS13930 WP 043553458.1    VAPDLLVADSIQTIYRPDLTSAPGSVSQVRESTASLLKLTKEREFSTFLVGHVTKKGTIAGPRVLEHMVDTVLYFEGDQNHAYRI  253
NTDB id 125 BSU 00870 NP 387968.1           MNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRI  250
NTDB id 509 SM12261 RS00130 WP 078228442.1  IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
NTDB id 537 SMSK321 RS07120 WP 080550752.1  IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
NTDB id 279 KZH43 RS00140 WP 074017595.1    IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
NTDB id 238 SPD RS00140 WP 074017595.1      IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
NTDB id 204 SPR RS00140 WP 074017595.1      IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
NTDB id 169 SP RS00155 WP 074017595.1       IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI  246
consensus                                   **!*****!!!!!**********!!!!!!!!!*!!*****!******!*!!!!!!*!**!!!!*!!!!!!!!!!!!!***!**!!

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NTDB id 36958 SRM RS13930 WP 043553458.1    LRSVKNRFGAANEIGVFEMREDGLREVPNPSEIFLSERGYGVSGSTVVCSLEGTRPILVEIQALVTPTSYSTPQRTVTGFAAQRL  338
NTDB id 125 BSU 00870 NP 387968.1           LRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRV  335
NTDB id 509 SM12261 RS00130 WP 078228442.1  LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
NTDB id 537 SMSK321 RS07120 WP 080550752.1  LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
NTDB id 279 KZH43 RS00140 WP 074017595.1    LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
NTDB id 238 SPD RS00140 WP 074017595.1      LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
NTDB id 204 SPR RS00140 WP 074017595.1      LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
NTDB id 169 SP RS00155 WP 074017595.1       LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA  331
consensus                                   !!*!!!!!!**!!*!*!!!***!!*!!*!!!**!!*!!**!**!!******!!!!!!!*!*!!!**!!******!**!!****!*
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NTDB id 36958 SRM RS13930 WP 043553458.1  QMILAVLEKRAGLAFSDHDVFINVAGGVKLEEPAVDLGVAIAAASSFRDIPADTGSALIGEVGLGGEIRTVSRVEPRLKEAAKLG  423
NTDB id 125 BSU 00870 NP 387968.1         SLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLG  420
NTDB id 509 SM12261 RS00130 WP 078228442.1 SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
NTDB id 537 SMSK321 RS07120 WP 080550752.1 SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
NTDB id 279 KZH43 RS00140 WP 074017595.1 SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
NTDB id 238 SPD RS00140 WP 074017595.1   SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
NTDB id 204 SPR RS00140 WP 074017595.1   SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
NTDB id 169 SP RS00155 WP 074017595.1    SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG  416
consensus                                ****!!!!!!*!!*****!****!!!!!!*!!!*!!*******!!!**!*!********!!*!!*!!*!*!*!*!*!**!!!!!!

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NTDB id 36958 SRM RS13930 WP 043553458.1  FDRAVVPENNLDRIAGDYDIDVTGAQQLKEVVDVVL..  459
NTDB id 125 BSU 00870 NP 387968.1         FKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG  458
NTDB id 509 SM12261 RS00130 WP 078228442.1 FTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.  453
NTDB id 537 SMSK321 RS07120 WP 080550752.1 FTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.  453
NTDB id 279 KZH43 RS00140 WP 074017595.1 FTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.  453
NTDB id 238 SPD RS00140 WP 074017595.1   FTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.  453
NTDB id 204 SPR RS00140 WP 074017595.1   FTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.  453
NTDB id 169 SP RS00155 WP 074017595.1    FTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.  453
consensus                                !*****!***!****  ***!*!*!*****!*******
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X non conserved

X similar

X ≥ 50% conserved