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logo
NTDB id 25237 SRU RS13105 WP 011405212.1   MASSEPRYVCQECGHEAHKWMGKCTGCGAWNTLVKETESADVEAQVPDLSTDGQNGTAAAQNQPTQLTEVEMEGESRLKTGVDEL   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 25237 SRU RS13105 WP 011405212.1   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                                 *!!*!!!***!!**!!*!!!!!!!!!!******!*** ***!!**!!!!**!*!!!!*!!!**********!!***********

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NTDB id 25237 SRU RS13105 WP 011405212.1   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 25237 SRU RS13105 WP 011405212.1   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 25237 SRU RS13105 WP 011405212.1  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 25237 SRU RS13105 WP 011405212.1  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