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logo
NTDB id 26158 ABO RS11220 WP 035458870.1   MAKKKIAFVCTDCGADFPKWQGQCPACNAWNTLQEFVHDPATPSSKGAGSRGGFSGQLSE...VQNLNDIVLEETPRISSGMGEL   82
NTDB id 125 BSU 00870 NP 387968.1          MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPA.....NRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEF   80
NTDB id 279 KZH43 RS00140 WP 074017595.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 238 SPD RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 204 SPR RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 169 SP RS00155 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVK.....NARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
consensus                                  !!!*!**!*!**!!***!!**!*!!*!**!****!********     **!******   ****************!******!*

logo
NTDB id 26158 ABO RS11220 WP 035458870.1   DRVLGGGLVPGSAILIGGHPGAGKSTLLLQTLCRLSDS.QSCLYITGEESLSQVAMRADRLKLPKEKLRLAAETDVEQILELARK   166
NTDB id 125 BSU 00870 NP 387968.1          NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSAIQE   165
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
NTDB id 509 SM12261 RS00130 WP 078228442.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTEVER   161
NTDB id 537 SMSK321 RS07120 WP 080550752.1 NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVER   161
consensus                                  *!!!!!!*!*!!**!!!!*!!*!!!!!!!!!****!!** ***!!**!!!!**!***!!*!!**********!!**********

logo
NTDB id 26158 ABO RS11220 WP 035458870.1   EMPKVLVVDSIQVMFLAALQSAPGSVAQVRECAAALTRFAKQTGTVLLLVGHVTKDGTLAGPKVLEHMIDCSLMLEGSTDSRFRT   251
NTDB id 125 BSU 00870 NP 387968.1          MNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRI   250
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
NTDB id 509 SM12261 RS00130 WP 078228442.1 IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI   246
NTDB id 537 SMSK321 RS07120 WP 080550752.1 IQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRI   246
consensus                                  **!*****!!!!***********!!!*!!!!**!*!***!!********!!!!!!*!**!!!**!!!!*!**!**!!*****!!*

logo
NTDB id 26158 ABO RS11220 WP 035458870.1   LRGLKNRFGAVNELGVFAMTGEGLKEVKNPSAIFLNRAEEIASGSLVTVVWEGTRPLLVELQALVDASHFGNPRRICVGLEGNRL   336
NTDB id 125 BSU 00870 NP 387968.1          LRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRV   335
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
NTDB id 509 SM12261 RS00130 WP 078228442.1 LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA   331
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRA   331
consensus                                  !!**!!!!!**!!*!*!*!***!!*!!*!!!**!!*******!!******!!!!!*!*!*!!!****!!!**!***!***!!*
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logo
NTDB id 26158 ABO RS11220 WP 035458870.1     AMLLAVLHRHGGIQVGDQDVFMNVVGGVKVTETAADLAQLLAIVSSFRDRALEREL VVFGEVGLSGEIRPVPQGQERLYEAVKHG   421
NTDB id 125 BSU 00870 NP 387968.1            SLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLG   420
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
NTDB id 509 SM12261 RS00130 WP 078228442.1  SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG   416
NTDB id 537 SMSK321 RS07120 WP 080550752.1  SLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLG   416
consensus                                    ****!!!****!*****!!******!!!!**!*!*!!!****!*!!**!**********!!*!!*!!*!*!*****!**!!*!*!
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logo
NTDB id 26158 ABO RS11220 WP 035458870.1     FKKAIVPKANLPR.KLPDGVDIIGVSNVAEALEYL...   455
NTDB id 125 BSU 00870 NP 387968.1            FKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
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
NTDB id 509 SM12261 RS00130 WP 078228442.1  FTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1  FTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
consensus                                    !*****!***!*****!*****!!!****!*!*****
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X non conserved

X similar

X ≥ 50% conserved