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logo
NTDB id 64249 X969 RS21495 WP 003251626.1   MAKAKRLYGCTECGATFPKWAGQCGECGAWNTLVETMIESGGAAAPSSGRAGWTGQ...QAQIKTLAEVSVEEIPRFTTSSTELD   82
NTDB id 125 BSU 00870 NP 387968.1           MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKA....PANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLGEFN   81
NTDB id 279 KZH43 RS00140 WP 074017595.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
NTDB id 238 SPD RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
NTDB id 204 SPR RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
NTDB id 169 SP RS00155 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEFN   78
consensus                                   !!!*!****!**!!***!!**!*!**!!*!***!!******    ****!******   ****************!**!***!**

logo
NTDB id 64249 X969 RS21495 WP 003251626.1   RVLGGGLVDGSVVLIGGDPGIGKSTLLLQTLCNIAV.GMPALYVTGEESQQQVAMRSRRLGLPQDQLKVMTETCIETIIATARVE   166
NTDB id 125 BSU 00870 NP 387968.1           RVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEYISSAIQEM   166
NTDB id 279 KZH43 RS00140 WP 074017595.1    RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERI   162
NTDB id 238 SPD RS00140 WP 074017595.1      RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERI   162
NTDB id 204 SPR RS00140 WP 074017595.1      RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERI   162
NTDB id 169 SP RS00155 WP 074017595.1       RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERI   162
NTDB id 537 SMSK321 RS07120 WP 080550752.1 RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRAEVERI   162
NTDB id 509 SM12261 RS00130 WP 078228442.1 RVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQSVRTEVERI   162
consensus                                   !!!!!!*!*!!*!!!!!!!!!!!!!!*!!!********  ***!!**!!!!**!***!**!!!**********!!*********** 

logo
NTDB id 64249 X969 RS21495 WP 003251626.1   KPRVMVIDSIQTIFTEQLQSAPGGVAQVRESTALLVRYAKQSGTAIFLVGHVTKEGSLAGPRVLEHMVDTVLYFEGESDGRLRLL   251
NTDB id 125 BSU 00870 NP 387968.1           NPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRIL   251
NTDB id 279 KZH43 RS00140 WP 074017595.1    QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
NTDB id 238 SPD RS00140 WP 074017595.1      QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
NTDB id 204 SPR RS00140 WP 074017595.1      QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
NTDB id 169 SP RS00155 WP 074017595.1       QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
NTDB id 537 SMSK321 RS07120 WP 080550752.1 QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
NTDB id 509 SM12261 RS00130 WP 078228442.1 QPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRIL   247
consensus                                   *!*****!!!!!**********!*!*!!!!*!!*!***!!*****!!*!!!!!!!!**!!!!*!!!!!!!!!!!!!!*****!*!

logo
NTDB id 64249 X969 RS21495 WP 003251626.1   RAVKNRFGAVNELGVFGMTDRGLKEVSNPSAIFLNRTQEEVPGSVVMATWEGTRPMLVEVQALVDDSHLANPRRVTLGLDQNRLA   336
NTDB id 125 BSU 00870 NP 387968.1           RAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVS   336
NTDB id 279 KZH43 RS00140 WP 074017595.1    RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
NTDB id 238 SPD RS00140 WP 074017595.1      RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
NTDB id 204 SPR RS00140 WP 074017595.1      RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
NTDB id 169 SP RS00155 WP 074017595.1       RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
NTDB id 537 SMSK321 RS07120 WP 080550752.1 RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
NTDB id 509 SM12261 RS00130 WP 078228442.1 RAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRAS   332
consensus                                   !!!!!!!!**!!*!*!*!***!!*!!*!!!**!!********!!******!!!!!*!*!*!!!*******!**!***!*!*!!**
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NTDB id 64249 X969 RS21495 WP 003251626.1   MLLAVLHRHGGIPTHDQDVFLNVVGGVKVLETASDLALLAAVMSSLRNRPLAHGLLVFGEIGLSGEVRPVPSGQERLKEAAKHGF   421
NTDB id 125 BSU 00870 NP 387968.1           LLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGF   421
NTDB id 279 KZH43 RS00140 WP 074017595.1    LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
NTDB id 238 SPD RS00140 WP 074017595.1      LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
NTDB id 204 SPR RS00140 WP 074017595.1      LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
NTDB id 169 SP RS00155 WP 074017595.1       LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
NTDB id 509 SM12261 RS00130 WP 078228442.1 LIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGF   417
consensus                                   ***!!!****!*****!!**!***!!!!**!*!*!!!******!!****!********!!*!!*!!*!*!*****!**!!!!*!!
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logo
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NTDB id 64249 X969 RS21495 WP 003251626.1   KRAIVPKGNAP.KEAPAGLQVIAVTRLEQALDALFE.   456
NTDB id 125 BSU 00870 NP 387968.1           KRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 279 KZH43 RS00140 WP 074017595.1    TKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1      TKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1      TKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1       TKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1 TKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1 TKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                   *****!*******  !****!!*!******!*****
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X non conserved

X similar

X $\geq$ 50% conserved