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logo
NTDB id 383291 FY041 RS23500 WP 060499986.1   MAKAKRLYGCTECGATFPKWAGQCGECGAWNTLVETIIESGGSAAPSSGRAGWTGQ...QAQIKTLAEVSVEEIPRFTTS   77
NTDB id 125 BSU 00870 NP 387968.1             MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKA....PANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQ   76
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 509 SM12261 RS00130 WP 078228442.1   MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAE....VKNARVSLTGE...KTKPMKLAEVTSINVNRTKTE   73
consensus                                    !!!*!****!**!!***!!**!*!**!!*!***!!******    ****!******    ****************!**!*

logo
NTDB id 383291 FY041 RS23500 WP 060499986.1   STELDRVLGGGLVDGSVVLIGGDPGIGKSTILLQTLCNIAV.GMPALYVTGEESQQQVAMRSRRLGLPQDQLKVMTETCI   156
NTDB id 125 BSU 00870 NP 387968.1             LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM   156
NTDB id 537 SMSK321 RS07120 WP 080550752.1   MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 509 SM12261 RS00130 WP 078228442.1   MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 279 KZH43 RS00140 WP 074017595.1     MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 238 SPD RS00140 WP 074017595.1       MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 204 SPR RS00140 WP 074017595.1       MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
NTDB id 169 SP RS00155 WP 074017595.1        MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM   152
consensus                                    **!**!!!!!!*!*!!*!!!!!!!!!!!!!!*!!!********  ***!!**!!!!**!***!**!!!**********!!**

logo
NTDB id 383291 FY041 RS23500 WP 060499986.1   ETIIATARVEKPRVMVIDSIQTIFIEQLQSAPGGVAQVRESTALLVRYAKQSGTAIFLVGHVTKEGSLAGPRVLEHMVDT   236
NTDB id 125 BSU 00870 NP 387968.1             EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT   236
NTDB id 537 SMSK321 RS07120 WP 080550752.1   QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 509 SM12261 RS00130 WP 078228442.1   QSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 279 KZH43 RS00140 WP 074017595.1     QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 238 SPD RS00140 WP 074017595.1       QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 204 SPR RS00140 WP 074017595.1       QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
NTDB id 169 SP RS00155 WP 074017595.1        QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT   232
consensus                                    ***********!*****!!!!!**********!*!*!!!!*!!*!***!!*****!!*!!!!!!!!**!!!!*!!!!!!!

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NTDB id 383291 FY041 RS23500 WP 060499986.1   VLYFEGESDGRLRLLRAVKNRFGAVNELGVFGMTDRGLKEVSNPSAIFLNRTQEEVPGSVVMATWEGTRPMLVEVQALVD   316
NTDB id 125 BSU 00870 NP 387968.1             VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS   316
NTDB id 537 SMSK321 RS07120 WP 080550752.1   VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 509 SM12261 RS00130 WP 078228442.1   VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 279 KZH43 RS00140 WP 074017595.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 238 SPD RS00140 WP 074017595.1       VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 204 SPR RS00140 WP 074017595.1       VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
NTDB id 169 SP RS00155 WP 074017595.1        VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT   312
consensus                                    !!!!!!!*****!*!!!!!!!!!**!!*!*!*!***!!*!!*!!!**!!********!!******!!!!!*!*!*!!!**
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NTDB id 383291 FY041 RS23500 WP 060499986.1   DSHLANPRRVTLGLDQNRLAMLLAVLHRHGGIPTHDQDVFLNVVGGVKVLETASDLALLAAVMSSLRNRPLAHGLLVFGE   396
NTDB id 125 BSU 00870 NP 387968.1             PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
NTDB id 537 SMSK321 RS07120 WP 080550752.1    PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 509 SM12261 RS00130 WP 078228442.1    PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 279 KZH43 RS00140 WP 074017595.1      PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 238 SPD RS00140 WP 074017595.1        PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 204 SPR RS00140 WP 074017595.1        PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 169 SP RS00155 WP 074017595.1         PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
consensus                                     *****!**!***!*!*!!*****!!!****!*****!!**!***!!!!**!*!*!!!******!!****!********!!
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logo
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NTDB id 383291 FY041 RS23500 WP 060499986.1   IGLSGEVRPVPSGQERLKEAAKHGFKRAIVPKGNAP.KEPPAGLQVIAVTRLEQALDALFE.   456
NTDB id 125 BSU 00870 NP 387968.1             VGLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1    LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1    LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 279 KZH43 RS00140 WP 074017595.1      LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1        LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1         LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                     *!!*!!*!*!*****!**!!!!*!!*****!*******  !****!!*!******!*****
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X non conserved
X similar
X $\geq$ 50% conserved