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logo
NTDB id 1073142 ACI511 RS20290 WP 205539380.1  MAKAVKRAFVCNECGADYPRWQGQCSACHAWNTITEVRLASAPVSRSDRLTGYAGESAGVSRVQKLSEISLEALPRFSTG   80
NTDB id 125 BSU 00870 NP 387968.1              .MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAF...SHSVQTVQKPSPITSIETSEEPRVKTQ   76
NTDB id 509 SM12261 RS00130 WP 078228442.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 537 SMSK321 RS07120 WP 080550752.1     .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 279 KZH43 RS00140 WP 074017595.1       .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 238 SPD RS00140 WP 074017595.1         .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 204 SPR RS00140 WP 074017595.1         .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
NTDB id 169 SP RS00155 WP 074017595.1          .MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSL...TGE...KTKPMKLAEVTSINVNRTKTE   73
consensus                                       ****!**!*!**!!***!***!*!**!**!****!**************   ***   ****************!**!*

logo
NTDB id 1073142 ACI511 RS20290 WP 205539380.1  FQEFDRVLGGGVVPGSAILIGGSPGAGKSTLLLQTLCKLSEN.MKTLYVTGEESLQQVAMRAHRLNLPTQNLNMLSETSI  159
NTDB id 125 BSU 00870 NP 387968.1              LGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDM  156
NTDB id 509 SM12261 RS00130 WP 078228442.1     MEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNM  152
NTDB id 537 SMSK321 RS07120 WP 080550752.1     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 1073142 ACI511 RS20290 WP 205539380.1  EQICLIAEQEQPKLMVIDSIQVMHLADIQSSPGSVAQVRETAAYLTRFAKTRGVAIVMVGHVTKDGSLAGPKVLEHCIDC  239
NTDB id 125 BSU 00870 NP 387968.1              EYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDT  236
NTDB id 509 SM12261 RS00130 WP 078228442.1     QSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  232
NTDB id 537 SMSK321 RS07120 WP 080550752.1     QSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDT  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                                      **********!*****!!!!******!****!!!*!!!!**!*!***!!!****!**!!!!!!*!**!!!**!!!**!*

logo
NTDB id 1073142 ACI511 RS20290 WP 205539380.1  SVLLDGDADSRFRTLRSHKNRFGAVNELGVFAMTEQGLREISNPSAIFLSRGDEITSGSSVMVVWEGTRPLLVEIQALVD  319
NTDB id 125 BSU 00870 NP 387968.1              VLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALIS  316
NTDB id 509 SM12261 RS00130 WP 078228442.1     VLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVT  312
NTDB id 537 SMSK321 RS07120 WP 080550752.1     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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logo
NTDB id 1073142 ACI511 RS20290 WP 205539380.1  QSMMANPRRVAVGLEQNRLAILLAVLHRHGGLQMSDQDVFVNVVGGVKVTETSADLALLLSLVSSFRDRPLPHDLVIFGE   399
NTDB id 125 BSU 00870 NP 387968.1              PTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGE   396
NTDB id 509 SM12261 RS00130 WP 078228442.1     PTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGE   392
NTDB id 537 SMSK321 RS07120 WP 080550752.1     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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NTDB id 1073142 ACI511 RS20290 WP 205539380.1  VGLAGEIRPVPSGQERITEAAKHGFKRAIVPHANMPK.KAPASMQVFGVKKLADALAILDDL   460
NTDB id 125 BSU 00870 NP 387968.1              VGLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 509 SM12261 RS00130 WP 078228442.1     LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1     LGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   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