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logo
NTDB id 67601 NOS3756 RS25810 WP 067774648.1  MPKPKTFYICNECGAESPQWFGKCPACGTYNSLEEQITIQSSVDVPKGGVSGWHASQNNGKAVKPAKPRASLTFDQITDR   80
NTDB id 125 BSU 00870 NP 387968.1             MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR....AAFSHS.....VQTVQ...KPSPITSIETS   68
NTDB id 537 SMSK321 RS07120 WP 080550752.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
NTDB id 509 SM12261 RS00130 WP 078228442.1    MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
NTDB id 279 KZH43 RS00140 WP 074017595.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
NTDB id 238 SPD RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
NTDB id 204 SPR RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
NTDB id 169 SP RS00155 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE........KT...KPMKLAEVTSI   65
consensus                                     !*!*!****!**!!**!!***!*!!*!!******!***********    ******         **   ***********

logo
NTDB id 67601 NOS3756 RS25810 WP 067774648.1  QIARWESGYGELDRVLGGGVVPGSMVLIGGDPGIGKSTLLLQVSNQLAQR.YRILYVTGEESGQQVKLRASRLGVAKTLS  159
NTDB id 125 BSU 00870 NP 387968.1             EEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINN...  145
NTDB id 537 SMSK321 RS07120 WP 080550752.1    NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
NTDB id 509 SM12261 RS00130 WP 078228442.1    NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
NTDB id 279 KZH43 RS00140 WP 074017595.1      NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
NTDB id 238 SPD RS00140 WP 074017595.1        NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
NTDB id 204 SPR RS00140 WP 074017595.1        NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
NTDB id 169 SP RS00155 WP 074017595.1         NVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDID...  141
consensus                                     ***!******!**!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!*!!*** ***!!**!!!!**!*!!!!*!!!***

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NTDB id 67601 NOS3756 RS25810 WP 067774648.1  VVGEDSEESEQTDQLSIAEGAGADLYVLPETDLEEILREVDSLKPNVAVIDSIQTVFFPALISAPGSVAQVRECTAALMK  239
NTDB id 125 BSU 00870 NP 387968.1             .......................PSLHVLSETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMK  203
NTDB id 537 SMSK321 RS07120 WP 080550752.1    .......................SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
NTDB id 509 SM12261 RS00130 WP 078228442.1    .......................SEFYLYAETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
NTDB id 279 KZH43 RS00140 WP 074017595.1      .......................SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
NTDB id 238 SPD RS00140 WP 074017595.1        .......................SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
NTDB id 204 SPR RS00140 WP 074017595.1        .......................SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
NTDB id 169 SP RS00155 WP 074017595.1         .......................SEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQ  199
consensus                                                            *******!!*************!*****!!!!!***********!!!*!!!!*!!*!!*

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NTDB id 67601 NOS3756 RS25810 WP 067774648.1  VAKHEDITMLIVGHVTKEGAIAGPKVLEHLVDTVLYFEGDRFASHRLLRTVKNRFGATHEIGIFEMVQNGLREVPNPSEL  319
NTDB id 125 BSU 00870 NP 387968.1             IAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEI  283
NTDB id 537 SMSK321 RS07120 WP 080550752.1    LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
NTDB id 509 SM12261 RS00130 WP 078228442.1    LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
NTDB id 279 KZH43 RS00140 WP 074017595.1      LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
NTDB id 238 SPD RS00140 WP 074017595.1        LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
NTDB id 204 SPR RS00140 WP 074017595.1        LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
NTDB id 169 SP RS00155 WP 074017595.1         LAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQV  279
consensus                                     *!!***!***!!!!!!!!!!**!!!**!!!*!!!!!!!!!*!****!*!!*!!!!!!*!*!*!!!!!***!!*!!*!!!**
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NTDB id 67601 NOS3756 RS25810 WP 067774648.1  FLGNRDDPAPGTAIVVACEGTRPIVVELQALVSPTSYPSPRRAGTGIDYNRLVQILAVLEKRVGIPMSKLDSYVASAGGL   399
NTDB id 125 BSU 00870 NP 387968.1             FLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGV   363
NTDB id 537 SMSK321 RS07120 WP 080550752.1    FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
NTDB id 509 SM12261 RS00130 WP 078228442.1    FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
NTDB id 279 KZH43 RS00140 WP 074017595.1      FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
NTDB id 238 SPD RS00140 WP 074017595.1        FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
NTDB id 204 SPR RS00140 WP 074017595.1        FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
NTDB id 169 SP RS00155 WP 074017595.1         FLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGV   359
consensus                                     !!**!*****!**!****!!!!!!**!*!!!**!!******!**!!*!*!!*****!!!!!!*!******!*!***!!!*
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logo
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NTDB id 67601 NOS3756 RS25810 WP 067774648.1  NVEEPAVDLGIAIAIVASFRDRIVDPGTVLIGEVGLGGQVRSVSQMELRLKEAAKLGFKRAIVPKGQKFP...DFDIEIL   476
NTDB id 125 BSU 00870 NP 387968.1             KLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVI   443
NTDB id 537 SMSK321 RS07120 WP 080550752.1    KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVI   439
NTDB id 509 SM12261 RS00130 WP 078228442.1    KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVI   439
NTDB id 279 KZH43 RS00140 WP 074017595.1      KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI   439
NTDB id 238 SPD RS00140 WP 074017595.1        KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI   439
NTDB id 204 SPR RS00140 WP 074017595.1        KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI   439
NTDB id 169 SP RS00155 WP 074017595.1         KLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVI   439
consensus                                     ***!!!*!!*****!**!**!****!*****!!*!!*!**!*!***!*!**!!!!!!!*****!********  ***!***
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logo
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NTDB id 67601 NOS3756 RS25810 WP 067774648.1  PVAKVIDAIIAAIPHQELTDDDLEMDEE   504
NTDB id 125 BSU 00870 NP 387968.1             GVANVAEALRTSLGG.............   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1    GVTTIQEVLKKVFA..............   453
NTDB id 509 SM12261 RS00130 WP 078228442.1    GVTTIQEVLKKVFA..............   453
NTDB id 279 KZH43 RS00140 WP 074017595.1      GVTTIQEVLKKVFA..............   453
NTDB id 238 SPD RS00140 WP 074017595.1        GVTTIQEVLKKVFA..............   453
NTDB id 204 SPR RS00140 WP 074017595.1        GVTTIQEVLKKVFA..............   453
NTDB id 169 SP RS00155 WP 074017595.1         GVTTIQEVLKKVFA..............   453
consensus                                     *!*************
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X non conserved

X similar

X $\geq$ 50% conserved