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logo
NTDB id 54741 NOS7524 RS13515 WP 015139036.1   MAKPKTVYICNECGAESSQWFGKCPNCGTYNSLEEQLLIQSSVDIPSRGGVGGWHSSQGNGKPPSKPAKPRASLTFDQIS   80
NTDB id 125 BSU 00870 NP 387968.1              MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRR....AAFSHSVQTVQ....KP......SPITSIE   66
NTDB id 537 SMSK321 RS07120 WP 080550752.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
NTDB id 279 KZH43 RS00140 WP 074017595.1       MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
NTDB id 238 SPD RS00140 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
NTDB id 204 SPR RS00140 WP 074017595.1         MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
NTDB id 169 SP RS00155 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
NTDB id 509 SM12261 RS00130 WP 078228442.1     MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNAR....VSLTGE...KT....KP......MKLAEVT   63
consensus                                      !!!*!****!**!!**!****!*!!*!!******!***********     ******   **     !!       *******

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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   DRQVTRWESGYGELDRVLGGGVVPGSMVLIGGDPGIGKSTLLLQVSNQLAQR.YRILYVSGEESGQQVKLRASRLGVSKP   159
NTDB id 125 BSU 00870 NP 387968.1              ISEEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGIN..   144
NTDB id 537 SMSK321 RS07120 WP 080550752.1     SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
NTDB id 279 KZH43 RS00140 WP 074017595.1       SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
NTDB id 238 SPD RS00140 WP 074017595.1         SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
NTDB id 204 SPR RS00140 WP 074017595.1         SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
NTDB id 169 SP RS00155 WP 074017595.1          SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
NTDB id 509 SM12261 RS00130 WP 078228442.1     SINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI..   140
consensus                                      *****!******!**!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!*!*** ***!!*!!!!!**!*!!!!*!!!**

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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   LSMLEDENGTTAEQTPETEASGETTAENHHPSEAPESIDASLYILPETDLEEILREIDSLKPNVAVIDSIQTVFFPALTS   239
NTDB id 125 BSU 00870 NP 387968.1              ......................................NPSLHVLSETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITS   186
NTDB id 537 SMSK321 RS07120 WP 080550752.1     ......................................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISG   182
NTDB id 279 KZH43 RS00140 WP 074017595.1       ......................................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISG   182
NTDB id 238 SPD RS00140 WP 074017595.1         ......................................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISG   182
NTDB id 204 SPR RS00140 WP 074017595.1         ......................................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISG   182
NTDB id 169 SP RS00155 WP 074017595.1          ......................................DSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISG   182
NTDB id 509 SM12261 RS00130 WP 078228442.1     ......................................DSEFYLYAETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISG   182
consensus                                                                              ********!!**************!*****!!!!!********

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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   APGSVAQVRECTAALMKVAKHEDITMLIVGHVTKEGAIAGPKVLEHLVDTVLYFEGDRFASHRLLRTVKNRFGATHEIGI   319
NTDB id 125 BSU 00870 NP 387968.1              APGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEMGI   266
NTDB id 537 SMSK321 RS07120 WP 080550752.1     VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
NTDB id 279 KZH43 RS00140 WP 074017595.1       VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
NTDB id 238 SPD RS00140 WP 074017595.1         VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
NTDB id 204 SPR RS00140 WP 074017595.1         VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
NTDB id 169 SP RS00155 WP 074017595.1          VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
NTDB id 509 SM12261 RS00130 WP 078228442.1     VQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGI   262
consensus                                      **!!!*!!!!*!!*!!**!!***!***!!!!!!!!!**!!!**!!!*!!!!!!!!!*!****!*!!*!!!!!!*!*!*!!
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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   FEMVQHGLREVPNPSELFLGNRDDPAPGTAIVVACEGTRPIVVELQALVSPTSYPSPRRAGTGIDYNRLVQILAVLEKRV   399
NTDB id 125 BSU 00870 NP 387968.1              FEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPTSFGNPRRMATGIDHNRVSLLMAVLEKRV   346
NTDB id 537 SMSK321 RS07120 WP 080550752.1     FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
NTDB id 279 KZH43 RS00140 WP 074017595.1       FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
NTDB id 238 SPD RS00140 WP 074017595.1         FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
NTDB id 204 SPR RS00140 WP 074017595.1         FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
NTDB id 169 SP RS00155 WP 074017595.1          FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
NTDB id 509 SM12261 RS00130 WP 078228442.1     FEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRA   342
consensus                                      !!!***!!*!!*!!!**!!**!*****!**!****!!!!!!**!*!!!**!!******!**!!*!*!!*****!!!!!!*
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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   GIPMSKLDSYVASAGGLSVEEPAVDLGIAIAIVASFRDRIVDPGTVLIGEVGLGGQVRAVSQMELRLKEAAKLGFKRAII   479
NTDB id 125 BSU 00870 NP 387968.1              GLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMII   426
NTDB id 537 SMSK321 RS07120 WP 080550752.1     GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
NTDB id 279 KZH43 RS00140 WP 074017595.1       GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
NTDB id 238 SPD RS00140 WP 074017595.1         GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
NTDB id 204 SPR RS00140 WP 074017595.1         GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
NTDB id 169 SP RS00155 WP 074017595.1          GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
NTDB id 509 SM12261 RS00130 WP 078228442.1     GLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYV   422
consensus                                      !******!*!***!!!****!!!*!!*****!**!**!****!*****!!*!!*!**!*!***!*!**!!!!!!!*****
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NTDB id 54741 NOS7524 RS13515 WP 015139036.1   PKGQKFP...DFDIEILPVSKVIDAIIAAIPHQELTAEDLDIDEE   521
NTDB id 125 BSU 00870 NP 387968.1              PAANLDGWTKPKGIEVIGVANVAEALRTSLGG.............   458
NTDB id 537 SMSK321 RS07120 WP 080550752.1     PKNSLTGITPPMEIQVIGVTTIQEVLKKVFA...............   453
NTDB id 279 KZH43 RS00140 WP 074017595.1       PKNSLTGITLPKEIQVIGVTTIQEVLKKVFA...............   453
NTDB id 238 SPD RS00140 WP 074017595.1         PKNSLTGITLPKEIQVIGVTTIQEVLKKVFA...............   453
NTDB id 204 SPR RS00140 WP 074017595.1         PKNSLTGITLPKEIQVIGVTTIQEVLKKVFA...............   453
NTDB id 169 SP RS00155 WP 074017595.1          PKNSLTGITLPKEIQVIGVTTIQEVLKKVFA...............   453
NTDB id 509 SM12261 RS00130 WP 078228442.1     PKNSLTGITPPKEIQVIGVTTIQEVLKKVFA...............   453
consensus                                      !******** ***!****!************
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X non conserved

X similar

X $\geq$ 50% conserved