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logo
NTDB id 174592 PATSB16 RS10330 WP 047214052.1   MAKAKTIYTCSECGGQVPKWQGQCPHCNAWNSLLETVAESPSGHRYQALAK....STPVRRLADIEAADVPRFSSGIGEF   76
NTDB id 125 BSU 00870 NP 387968.1               MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSLETSEEPRVKTQLGEF   80
NTDB id 279 KZH43 RS00140 WP 074017595.1        MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 238 SPD RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 204 SPR RS00140 WP 074017595.1          MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 169 SP RS00155 WP 074017595.1           MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 537 SMSK321 RS07120 WP 080550752.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
NTDB id 509 SM12261 RS00130 WP 078228442.1      MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGE...KTKPMKLAEVTSINVNRTKTEMEEF   77
consensus                                       !!!*!****!**!!***!!**!*!!*!**!****!****************   ****************!******!!

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NTDB id 174592 PATSB16 RS10330 WP 047214052.1   DRVLGGGLVAGGVVLIGGDPGIGKSTLLLQSLAQVARE.RPALYVSGEESGAQIALRAQRLDLTGPASGELHLLAEIQLE   155
NTDB id 125 BSU 00870 NP 387968.1               NRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGIN...NPSLHVLSETDME   157
NTDB id 279 KZH43 RS00140 WP 074017595.1        NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
NTDB id 238 SPD RS00140 WP 074017595.1          NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
NTDB id 204 SPR RS00140 WP 074017595.1          NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
NTDB id 169 SP RS00155 WP 074017595.1           NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
NTDB id 537 SMSK321 RS07120 WP 080550752.1      NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
NTDB id 509 SM12261 RS00130 WP 078228442.1      NRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDI...DSEFYLYAETNMQ   153
consensus                                       *!!!!!!*!*!**!!!!!!!!!!!!!!!!!!***!**** ***!!*!!!!!**!**!!!*!!***   ********!****

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NTDB id 174592 PATSB16 RS10330 WP 047214052.1   KILAAIEAERPEIVVIDSIQTVYSEALTSAPGSVAQVRECAAQLTRTAKQSGVTVIMVGHVTKEGNLAGPRVLEHIVDTV   235
NTDB id 125 BSU 00870 NP 387968.1               YISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTV   237
NTDB id 279 KZH43 RS00140 WP 074017595.1        SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 238 SPD RS00140 WP 074017595.1          SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 204 SPR RS00140 WP 074017595.1          SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 169 SP RS00155 WP 074017595.1           SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 537 SMSK321 RS07120 WP 080550752.1      SVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
NTDB id 509 SM12261 RS00130 WP 078228442.1      SVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTV   233
consensus                                       **********!*****!!!!!**********!!!*!!!!**!*!***!!********!!!!!!!!**!!!!*!!!*!!!!

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NTDB id 174592 PATSB16 RS10330 WP 047214052.1   LYFEGDTHSSFRLVRAFKNRFGAVNELGVFAMTEKGLRGVSNPSALFLSQHDQTVPGSCVLVTQEGTRPLLVEIQALVDT   315
NTDB id 125 BSU 00870 NP 387968.1               LYFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISP   317
NTDB id 279 KZH43 RS00140 WP 074017595.1        LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 238 SPD RS00140 WP 074017595.1          LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 204 SPR RS00140 WP 074017595.1          LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 169 SP RS00155 WP 074017595.1           LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 537 SMSK321 RS07120 WP 080550752.1      LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
NTDB id 509 SM12261 RS00130 WP 078228442.1      LYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTP   313
consensus                                       !!!!!**!**!!**!!*!!!!!**!!*!*!*!***!!**!*!!!**!!********!!******!!!!!*!*!*!!!***
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NTDB id 174592 PATSB16 RS10330 WP 047214052.1   AQVPNPRRLAVGLEQNRLAMLLAVLHRHAGIACFDQDVFLNAVGGVKITEPAADLAVMLAIHSSLRNRPLPRGIVAFGEV   395
NTDB id 125 BSU 00870 NP 387968.1               TSFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEV   397
NTDB id 279 KZH43 RS00140 WP 074017595.1        TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 238 SPD RS00140 WP 074017595.1          TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 204 SPR RS00140 WP 074017595.1          TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 169 SP RS00155 WP 074017595.1           TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 537 SMSK321 RS07120 WP 080550752.1      TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
NTDB id 509 SM12261 RS00130 WP 078228442.1      TMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGEL   393
consensus                                       ****!**!***!***!!*****!!!****!*****!!**!***!!!!**!!!*!!!****!*!!****!********!!*
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NTDB id 174592 PATSB16 RS10330 WP 047214052.1   GLAGEIRPSPRGQDRLKEAAKLGFSLAIIPKANAPKQPI.DGLEVRAVDRIDQAIAAL...   452
NTDB id 125 BSU 00870 NP 387968.1               GLTGEVRRVSRIEQRVKEAAKLGFKRMITPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 279 KZH43 RS00140 WP 074017595.1        GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1          GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1          GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1           GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1      GLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                       !!*!!*!***!***!**!!!!!!!*****!*********************!**!************
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X non conserved
X similar
X ≥ 50% conserved