logo
NTDB id 125 BSU 00870 NP 387968.1 MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSP 61
NTDB id 95066 SanJ4211 RS01155 WP 142350297.1 MVCGQVVLEALGIKKEESIIAKKKSTFVCQNCEYHSPKYLGRCPNCGAWSSFVEEVEVTEVKNARVSLTGEK...SRPMK 77
NTDB id 279 KZH43 RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
NTDB id 238 SPD RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
NTDB id 204 SPR RS00140 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
NTDB id 169 SP RS00155 WP 074017595.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
NTDB id 537 SMSK321 RS07120 WP 080550752.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
NTDB id 509 SM12261 RS00130 WP 078228442.1 MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMK 58
consensus

logo
NTDB id 125 BSU 00870 NP 387968.1 ITSIETSEEPRVKTQLGEFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRL 141
NTDB id 95066 SanJ4211 RS01155 WP 142350297.1 LAEVTSINVNRTKTDMDEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSHK.GTVLYVSGEESAEQIKLRAERL 156
NTDB id 279 KZH43 RS00140 WP 074017595.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
NTDB id 238 SPD RS00140 WP 074017595.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
NTDB id 204 SPR RS00140 WP 074017595.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
NTDB id 169 SP RS00155 WP 074017595.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
NTDB id 537 SMSK321 RS07120 WP 080550752.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
NTDB id 509 SM12261 RS00130 WP 078228442.1 LAEVTSINVNRTKTEMEEFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERL 137
consensus

logo
NTDB id 125 BSU 00870 NP 387968.1 GINNPSLHVLSETDMEYISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKE 221
NTDB id 95066 SanJ4211 RS01155 WP 142350297.1 GDIDSEFYLYAETNMHQIRAEIEKIKPDFLIIDSIQTILSPEISSVQGSVSQVREVTAELMQLAKTNNIATFIVGHMTKE 236
NTDB id 279 KZH43 RS00140 WP 074017595.1 GDIDSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKE 217
NTDB id 238 SPD RS00140 WP 074017595.1 GDIDSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKE 217
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NTDB id 537 SMSK321 RS07120 WP 080550752.1 GDIDSEFYLYAETNMQSVRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKE 217
NTDB id 509 SM12261 RS00130 WP 078228442.1 GDIDSEFYLYAETNMQSVRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKE 217
consensus

logo
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NTDB id 95066 SanJ4211 RS01155 WP 142350297.1 GTLAGPRTLEHMVDTVLYFEGERQHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQLFLEERLDGATGSSIVVTM 316
NTDB id 279 KZH43 RS00140 WP 074017595.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
NTDB id 238 SPD RS00140 WP 074017595.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
NTDB id 204 SPR RS00140 WP 074017595.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
NTDB id 169 SP RS00155 WP 074017595.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
NTDB id 537 SMSK321 RS07120 WP 080550752.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
NTDB id 509 SM12261 RS00130 WP 078228442.1 GTLAGPRMLEHMVDTVLYFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTM 297
consensus

logo

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NTDB id 279 KZH43 RS00140 WP 074017595.1      EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
NTDB id 238 SPD RS00140 WP 074017595.1        EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
NTDB id 204 SPR RS00140 WP 074017595.1        EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
NTDB id 169 SP RS00155 WP 074017595.1         EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
NTDB id 537 SMSK321 RS07120 WP 080550752.1    EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
NTDB id 509 SM12261 RS00130 WP 078228442.1    EGTRPILAEVQALVTPTMFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASS   377
consensus                                     !!!!!!!*!*!!!**!!*!!!**!**!!*!*!!*!!*!!!!!!!*!!!!!!!!!!!!*!!!!!!!!!!!!!!****!!!!
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NTDB id 125 BSU 00870 NP 387968.1             FRDTPPNPADCFIGEVGLTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG   458
NTDB id 95066 SanJ4211 RS01155 WP 142350297.1 YKDLPTNPQECFIGEIGLTGEIRRVNRIEQRINEAAKLGFTKVYAPKNSLNGLNIPETIEVIGVTTIGEVLKKVFG.   472
NTDB id 279 KZH43 RS00140 WP 074017595.1      YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 238 SPD RS00140 WP 074017595.1        YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 204 SPR RS00140 WP 074017595.1        YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 169 SP RS00155 WP 074017595.1         YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.   453
NTDB id 537 SMSK321 RS07120 WP 080550752.1    YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.   453
NTDB id 509 SM12261 RS00130 WP 078228442.1    YKDKPTNPQECFVGELGLTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.   453
consensus                                     **!*!*!!**!!*!!*!!!!!*!!!*!!!!!**!!!!!!!*****!***!*!***!**!*!!!!****!*!*****
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X non conserved

X similar

X ≥ 50% conserved