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NTDB id 279 KZH43 RS00140 WP 074017595.1          ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 238 SPD RS00140 WP 074017595.1            ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 204 SPR RS00140 WP 074017595.1            ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 169 SP RS00155 WP 074017595.1             ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 509 SM12261 RS00130 WP 078228442.1        ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 537 SMSK321 RS07120 WP 080550752.1        ..MAKKKATFVCQNCGYNSPKYLGRCPNCGSWSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTEME   75
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1  MAKAKRTTKFVCQACGYESAKWMGKCPNCNEWNQMVEALEPSK..KSRSAFNHTG.EPSKATPITQIASETEKRVETNMP   77
NTDB id 125 BSU 00870 NP 387968.1                 ..MAKTKSKFICQSCGYESPKWMGKCPGCGAWNTMVEEMIKKAPANRRAAFSHSVQTVQKPSPITSIETSEEPRVKTQLG   78
consensus                                           *!!****!*!!*!!!*!*!**!*!!*!**!***!!**********!*******   *!*************!**!***
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NTDB id 279 KZH43 RS00140 WP 074017595.1          EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 238 SPD RS00140 WP 074017595.1            EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 204 SPR RS00140 WP 074017595.1            EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 169 SP RS00155 WP 074017595.1             EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 509 SM12261 RS00130 WP 078228442.1        EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 537 SMSK321 RS07120 WP 080550752.1        EFNRVLGGGVVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS  154
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1  ELNRVLGGGVVPGSMVLVGGDPGIGKSTLLLQVSAQLTLTNKKVLYISGEESIKQTKLRAERLQVSGDNLYVYAETNLEA  157
NTDB id 125 BSU 00870 NP 387968.1                 EFNRVLGGGVVKGSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEY  158
consensus                                         !*!!!!!!!!!*!!*!!*!!!!!!!!!!!!!!!!*!!***  **!!!*!!!!!**!*!!!!*!!***********!!****
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NTDB id 279 KZH43 RS00140 WP 074017595.1          VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 238 SPD RS00140 WP 074017595.1            VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 204 SPR RS00140 WP 074017595.1            VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 169 SP RS00155 WP 074017595.1             VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 509 SM12261 RS00130 WP 078228442.1        VRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 537 SMSK321 RS07120 WP 080550752.1        VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMVDTVL  234
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1  VQETIDFVKPDFVVIDSIQTVYHPDVTSAAGSVSQVRECTATLMRIAKMQNIAIFIVGHVTKEGAIAGPRLLEHMVDTVL  237
NTDB id 125 BSU 00870 NP 387968.1                 ISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTKGIPIFIVGHVTKEGSIAGPRLLEHMVDTVL  238
consensus                                         *********!*!***!!!!!**********!!!!!!!!*!!*!!**!!***!*!!!!!!!!!!!!**!!!!*!!!!!!!!!
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NTDB id 279 KZH43 RS00140 WP 074017595.1          YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 238 SPD RS00140 WP 074017595.1            YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 204 SPR RS00140 WP 074017595.1            YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 169 SP RS00155 WP 074017595.1             YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 509 SM12261 RS00130 WP 078228442.1        YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 537 SMSK321 RS07120 WP 080550752.1        YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLEERLDGATGSSIVVTMEGTRPILAEVQALVTPT  314
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1  YFEGERHHAYRILRAVKNRFGSTNEMGIFEMRDVGLVEVANPSEVFLEERLEGASGSTVVASMEGTRPVLVEIQALVSPT  317
NTDB id 125 BSU 00870 NP 387968.1                 YFEGERHHTFRILRAVKNRFGSTNEMGIFEMREEGLTEVLNPSEIFLEERSAGSAGSSITASMEGTRPILVEIQALISPT  318
consensus                                         !!!!!!!!**!!!!!!!!!!!!!!!*!!!!!***!!*!!*!!!**!!!!!**!**!!*****!!!!!!*!*!*!!!**!!
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NTDB id 279 KZH43 RS00140 WP 074017595.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 238 SPD RS00140 WP 074017595.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 204 SPR RS00140 WP 074017595.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 169 SP RS00155 WP 074017595.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 509 SM12261 RS00130 WP 078228442.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 537 SMSK321 RS07120 WP 080550752.1	MFGNAKRTTTGLDFNRASLIMAVLEKRAGLLLQNQDAYLKSAGGVKLDEPAIDLAVAVAIASSYKDKPTNPQECFVGELG	394
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1	MFGNAKRMATGIDYNKVSLIMAVLEKRVGLMLQNQDAYLKAAGGVKLDEPAVDLAVAVSVASSYRDKPTRSTDCFIGELG	397
NTDB id 125 BSU 00870 NP 387968.1	SFGNPRRMATGIDHNRVSLLMAVLEKRVGLLLQNQDAYLKVAGGVKLDEPAIDLAIVISIASSFRDTPPNPADCFIGEVG	398
consensus	*!!!**!**!!*!*!**!!*!!!!!!!*!!*!!!!!!!!!*!!!!!!!!!!*!!!*****!!!**!*!*****!!*!!*!	

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NTDB id 279 KZH43 RS00140 WP 074017595.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 238 SPD RS00140 WP 074017595.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 204 SPR RS00140 WP 074017595.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 169 SP RS00155 WP 074017595.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITLPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 509 SM12261 RS00130 WP 078228442.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPKEIQVIGVTTIQEVLKKVFA.	453
NTDB id 537 SMSK321 RS07120 WP 080550752.1	LTGEIRRVNRIEQRINEAAKLGFTKIYVPKNSLTGITPPMEIQVIGVTTIQEVLKKVFA.	453
NTDB id 52986 LMOSLCC2372 RS01515 WP 003723898.1	LTGEIRRVARIEQRVQEAAKLGFKRIFIPKNNEGNWKIPKDVQVVGVETIGEALKKALPD	457
NTDB id 125 BSU 00870 NP 387968.1	LTGEVRRVSRIEQRVKEAAKLGFKRMIIPAANLDGWTKPKGIEVIGVANVAEALRTSLGG	458
consensus	!!!!*!!!*!!!!!**!!!!!!!*****!*********!****!*!!****!*!*****	

- X non conserved
- X similar
- X ≥50% conserved