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NTDB id 279 KZH43 RS00140 WP 074017595.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 238 SPD RS00140 WP 074017595.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 204 SPR RS00140 WP 074017595.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 169 SP RS00155 WP 074017595.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 509 SM12261 RS00130 WP 078228442.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 537 SMSK321 RS07120 WP 080550752.1	..MAKKKKATFVCQNCGYNSPKYLGRCPNCGSWSSSFVEEVEVAEVKNARVSLTGEK...TKPMKLAEVTSINVNRTKTME	75
NTDB id 217128 BOX25 RS01295 WP 003723898.1	MAKAKRTTKFVCQACGYESAKWMGKCPNCNEWNQMVEALEPSK..KRSFAFNHTG.EPSSKATPITQIASETEKRVETNMP	77
NTDB id 125 BSU 00870 NP 387968.1	..MAKTKSKFICQSCGYESPKWMGKCPGCCAWNTMVEEMIKKAPANRRAAFSSHSVQTVQKPSPIITSIETSEEPRVKTLG	78
consensus	*****!!*****	

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NTDB id 279 KZH43 RS00140 WP 074017595.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 238 SPD RS00140 WP 074017595.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 204 SPR RS00140 WP 074017595.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 169 SP RS00155 WP 074017595.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 509 SM12261 RS00130 WP 078228442.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 537 SMSK321 RS07120 WP 080550752.1	EFNRVLGGGVPGSLVLIGGDPGIGKSTLLLQVSTQLSQV.GTVLYVSGEESAQQIKLRAERLGDIDSEFYLYAETNMQS	154
NTDB id 217128 BOX25 RS01295 WP 003723898.1	ELNRVLGGGVPGSMVLVGGDPGIGKSTLLLQVSAQLTLTNKKVLYISGEESIKQTKLRAERLQVSGDNLYVYAETNLEA	157
NTDB id 125 BSU 00870 NP 387968.1	EFNRVLGGGVPGKSLVLIGGDPGIGKSTLLLQVSAQLSGSSNSVLYISGEESVKQTKLRADRLGINNPSLHVLSETDMEY	158
consensus	*****!!*****	

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NTDB id 279 KZH43 RS00140 WP 074017595.1	VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 238 SPD RS00140 WP 074017595.1	VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 204 SPR RS00140 WP 074017595.1	VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 169 SP RS00155 WP 074017595.1	VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 509 SM12261 RS00130 WP 078228442.1	VRTEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 537 SMSK321 RS07120 WP 080550752.1	VRAEVERIQPDFLIIDSIQTIMSPEISGVQGSVSQVREVTAELMQLAKTNNIAIFIVGHVTKEGTLAGPRMLEHMDTVL	234
NTDB id 217128 BOX25 RS01295 WP 003723898.1	VQETIDFVKPDFVVIDSIQTVYHPDVTSAAGSVSQVRECTATLMRIAKMQNIAIFIVGHVTKEGATAGPRLLEHMDTVL	237
NTDB id 125 BSU 00870 NP 387968.1	ISSAIQEMNPSFVVVDSIQTVYQSDITSAPGSVSQVRECTAELMKIAKTGKIPIFIVGHVTKEGSIAGPRLLEHMDTVL	238
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NTDB id 279 KZH43 RS00140 WP 074017595.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 238 SPD RS00140 WP 074017595.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 204 SPR RS00140 WP 074017595.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 169 SP RS00155 WP 074017595.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 509 SM12261 RS00130 WP 078228442.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 537 SMSK321 RS07120 WP 080550752.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMQSGGLVEVLNPSQVFLERLDGATGSSIVVTMEGTRPILAEVQALVTP	314
NTDB id 217128 BOX25 RS01295 WP 003723898.1	YFEGERHHAIRILRAVKNRFGSTNEIGIFEMRDVGLVEVLANPSEVFLERLEGASGSTVVASMEGTRPVLEVIQALVSPT	317
NTDB id 125 BSU 00870 NP 387968.1	YFEGERHHTFRILRAVKNRFGSTNEIGIFEMREEGLTEVLNPSQVFLERLSAGSAGSSITASMEGTRPILVEIQALISPT	318
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consensus



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NTDB id 204 SPR RS00140 WP 074017595.1
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NTDB id 217128 BOX25 RS01295 WP 003723898.1
NTDB id 125 BSU 00870 NP 387968.1
consensus



453
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453
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457
458

non conserved
 similar
 ≥ 50% conserved