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NTDB id 1323	RA0C	RS07335	WP 004916218.1	.MLVVKYVGSATIHGVSAQTITIEVNVDDGV.GYHLVGLPDNAIKESSHRTSAAIKNVGYKLPGKKITINMAPADLR	73
NTDB id 1271	LPP	RS03220	WP 011213198.1	MSLAFTKTRSTIGTVAQPVSVVEVHISNGGPSFTMVGLAETAIVKESKDRVRSAINSQFEFFPCRKITVNLGPANLP	75
NTDB id 1248	GC085	RS03150	WP 011213198.1	MSLAFTKTRSTIGTVAQPVSVVEVHISNGGPSFTMVGLAETAIVKESKDRVRSAINSQFEFFPCRKITVNLGPANLP	75
NTDB id 227574	XppCFBP6546P	RS19055	WP 039568535.1	MSLAIVHSRARVGVHAPVVRVEVHISGGLPSTQIVGLPEAAVRESREVRRAALICAQFEFPARRITINLAPADLP	75
NTDB id 1153	A1552VC	RS00115	WP 000521788.1	MGLAIIHSRASIGVQAPPVITVEVHISNCGMPGFTLVGLPETTVKESKDRVRSAINSRFEFFPAKRITVNLAPADLP	75
NTDB id 1397	DSB67	RS15690	WP 005535577.1	MGLAIIHSRASVGVQAPSVSVVEVHISNCGMPGFTLVGLPETTVKESKDRVRSAINSRFEFFPAKRITVNLAPADLP	75
NTDB id 1349	HI 1117	AAC22771.1		MSLAIVYSRASMGVQAPLVITIEVHISNCKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKVPKRITVNLAPADLP	75
NTDB id 1387	A4U84	RS06900	WP 020457569.1	MSLAIIYSRASIGVEAPLVITIEVHISGCGSPGLTLVGLPEKSVKEAQDRVRSALMNAFDYPARRITINLAPADLP	75
consensus					**!* ** * ** * ! * ! * * ** * ! ! * ** * ! ! ! * * * ! * ** * ! * * ! * ! * ! * ! *

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NTDB id 1323	RA0C	RS07335	WP 004916218.1	KEGGRFDLPIALGILAASGQIIAPEIRYRLINGELSLDGGGLQPIKGVPIAIRAREEGFGITIPKQNTREAAITV	148
NTDB id 1271	LPP	RS03220	WP 011213198.1	KTGSGFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLLIIANANAAEASLT	149
NTDB id 1248	GC085	RS03150	WP 011213198.1	KTGSGFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLLIIANANAAEASLT	149
NTDB id 227574	XppCFBP6546P	RS19055	WP 039568535.1	KEGGRFDLPIALGILAASGQIDRQALADYEFELGELALTGELRGVDGVLPAAALAAQA.GERLIVPLANGAEAAIA	149
NTDB id 1153	A1552VC	RS00115	WP 000521788.1	KEGGRFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAAALAAQV.ERCLVVPHSNGDQAALV	149
NTDB id 1397	DSB67	RS15690	WP 005535577.1	KEGGRFDLPIALGILAASEQIATDKLKNYEFVIGELALSGGLRTVKGVLPAAALAAQV.ERCLVVPHSNGDQAALV	149
NTDB id 1349	HI 1117	AAC22771.1		KEGGRFDLPIALGILAASDQIDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.KRELIIAKQNAEASLV	149
NTDB id 1387	A4U84	RS06900	WP 020457569.1	KEGGRFDLPIALGILAASGQIDSDKIKRIEELGELSLTCHLRGVHGAIPAVLAAASKA.KRETIIVPQQNAEVS LV	149
consensus					!*! ** * ! ! * ! ! * ! ! ! ! ! * ! * * * * * ! ! * ! * * * * * * * ! * * ! * * * * * ! * * * * *

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NTDB id 1323	RA0C	RS07335	WP 004916218.1	NDLEVYGVENIKEVIDFNENCPLEPTKVNTRREEFHKRVNLPFPDFSEVKGQETAKRAMEVAAAAGCHNITILIGPP	223
NTDB id 1271	LPP	RS03220	WP 011213198.1	GHQKVFTANNLREVC DYLCQGTS LQSLPPKPDLL...LN NYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAP	220
NTDB id 1248	GC085	RS03150	WP 011213198.1	GHQKVFTANNLREVC DYLCQGTS LQSLPPKPDLL...LN NYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAP	220
NTDB id 227574	XppCFBP6546P	RS19055	WP 039568535.1	CHVEAFTARTLLDVCATLNGSQKAPAAELAVQAL...GARALPDMADVRGQPHARRALEIAAAGGHILLV GSP	220
NTDB id 1153	A1552VC	RS00115	WP 000521788.1	GVERHKSAGSLLLEVCA DL CGQQTSLSFQSSPSV...QQVSQTRDQDIIIGQQQCKRALEIAAAGNHNLFLGPP	220
NTDB id 1397	DSB67	RS15690	WP 005535577.1	GKEQHKSAGSLLLEVCAELCGQHQLNLYQTPKKK...ELKAHGRDIQDIIIGQQQCKRALEIAAAGNHNLFLGPP	220
NTDB id 1349	HI 1117	AAC22771.1		SDQNTYFAQTLLD VVQELNGQEKLPATEIVKESA VNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLFLGPP	224
NTDB id 1387	A4U84	RS06900	WP 020457569.1	SNTQTYCASTLLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALTIAASGQHNLFLGPP	223
consensus					* * * * * * * * ! * * * * * * * * ! * * * * * ! ! * * * * * ! ! * * * * * ! ! * * ! *

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NTDB id 1323	RA0C	RS07335	WP 004916218.1	CSGKTM LAKRIPSLPPLTLKEAETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLA	298
NTDB id 1271	LPP	RS03220	WP 011213198.1	CSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWALPPFRAPHHTASPVALVGGGNPPKPGEISLA	294
NTDB id 1248	GC085	RS03150	WP 011213198.1	CSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWALPPFRAPHHTASPVALVGGGNPPKPGEISLA	294
NTDB id 227574	XppCFBP6546P	RS19055	WP 039568535.1	CGGKTLASRLPGLLPEASEAEAEETAATITSISGRGL.DLARWRQRPYRAPHHTASPVALVGGGTHPRPGEISLS	294
NTDB id 1153	A1552VC	RS00115	WP 000521788.1	CTGKTM LASRLCDLLPEMSDEEAMETASIASITQQEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLA	294
NTDB id 1397	DSB67	RS15690	WP 005535577.1	CTGKTM LASRLCDLLPEMSDEEAMETASVASITQSEI.NEHNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLA	294
NTDB id 1349	HI 1117	AAC22771.1		CTGKTM LASRLTGLLPEMTDLEAETASVTSLVQNEL.NFHNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLA	298
NTDB id 1387	A4U84	RS06900	WP 020457569.1	CTGKTM LASRLADLLPEMTDEAETASVTSLVQNEL.NFQNWKRPFRRSPHHSASMPALVGGGSIPKPGEISLA	297
consensus					!*! ! ! * * ! * ! * * * ! ! * * * * * * ! * * * * * * * ! * * * * * ! ! * * * * * ! ! * * ! *

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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



☒ non conserved
☒ similar
☒ ≥ 50% conserved