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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 227630 XcfCFBP6989P RS19715 WP 099802461.1	MSLAIVHSRARVGVHAPEVVRVEVHISGGLPSTQIVGLPEAAVRESREVRRAALICAQFEFFPARRITINLAPADLP	75
NTDB id 1153 A1552VC RS00115 WP 000521788.1	MGLAIIHSRASIGVQAPPVTVVEVHISNCGMPGFTLVGLPETTVKESKDRVRSAINSRFEFFPAKRITVNLAPADLP	75
NTDB id 1397 DSB67 RS15690 WP 005535577.1	MGLAIIHSRASVGVQAPSVSVVEVHISNCGMPGFTLVGLPETTVKESKDRVRSAINSRFEFFPAKRITVNLAPADLP	75
NTDB id 1349 HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPLVTTIEVHISNCKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKVPKRITVNLAPADLP	75
NTDB id 1387 A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVEAPLVTTIEVHISGCGSPGLTLVGLPEKSVKEAQDRVRSALMNAQFDYPARRITINLAPADLP	75
consensus	**!* ** * ** * ! * ! * * ** * ! ! * ** * ! ! ! * * * ! ! * ! * ! * ! * ! * ! *	

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NTDB id 1323 RA0C RS07335 WP 004916218.1	KEGGRFDLPIALGILAASGQIIAPEFERYLINGELSLDGGGLQPIKGVPIATIRAREEGFGITIPKQNTREAAITV	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 227630 XcfCFBP6989P RS19715 WP 099802461.1	KEGGRFDLPIALGILAASGQIDRQALADYEFELGELALTGELRGVDGVLPAAALAAQA.GERLIVPLANGAEAAIA	149
NTDB id 1153 A1552VC RS00115 WP 000521788.1	KEGGRFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVGVIPAAALAAQV.ERCLVVPHSNGDQAALV	149
NTDB id 1397 DSB67 RS15690 WP 005535577.1	KEGGRFDLPIALGILAASEQIATDKLKNYEFVIGELALSGGLRTVKGVIPAAALAAQK.QRHLVVPHANGDQAALV	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	NDLEVYGVENIKEVIDFENENCPIEPTKVNTRREEFHKRNVNLPFPDFSEVKGQETAKRAMEVAAAGCHNITILIGPP	223
NTDB id 1271 LPP RS03220 WP 011213198.1	GHQKVFTANNLREVC DYLCQGTS LQSLPPKPDLL...LNNYELDWS DIKGQQHAKNAMVIAACGGHSILLSGAP	220
NTDB id 1248 GC085 RS03150 WP 011213198.1	GHQKVFTANNLREVC DYLCQGTS LQSLPPKPDLL...LNNYELDWS DIKGQQHAKNAMVIAACGGHSILLSGAP	220
NTDB id 227630 XcfCFBP6989P RS19715 WP 099802461.1	CHVEAFTARTLLDVCATLNGSQKAPAAELAVQAL...GARALPDMADVRGQP HARRALEITAAAGGHILLV GSP	220
NTDB id 1153 A1552VC RS00115 WP 000521788.1	GVERHKS AQSLLEVCA D LCGQQTSLFQSSPSV...QQVSQTRDQDIIGQQQCKRALEIAAAGNHNLLFLGPP	220
NTDB id 1397 DSB67 RS15690 WP 005535577.1	GKEQHKS AQSLLEVCAELCGQHQLNLYQTPKKK...ELKAHGRDIQDIIGQQQCKRALEIAAAGNHNLLFLGPP	220
NTDB id 1349 HI 1117 AAC22771.1	SDQNTYFAQTLLD VVQELNGQEKLP LATEIVKESA 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.DFREWLPPFRAPHHTASPVALVGGGNPPKPGEISLA	294
NTDB id 1248 GC085 RS03150 WP 011213198.1	CSGKTMMAKRFSTLLPELSETQALECAAINSIRGKLP.DFREWLPPFRAPHHTASPVALVGGGNPPKPGEISLA	294
NTDB id 227630 XcfCFBP6989P RS19715 WP 099802461.1	CGGKTL L ASRLPGLLPEASEAEAEETAATSSISGRGL.DLARWRQRPYRAPHHTASAVLVGGGTHPRPGEISLS	294
NTDB id 1153 A1552VC RS00115 WP 000521788.1	CTGKTM L ASRLCDLLPEMSDEEAMETASIASITQQEI.NQHNWKL RPFRAPHHSSSMAALVGGGTIPRPGEISLA	294
NTDB id 1397 DSB67 RS15690 WP 005535577.1	CTGKTM L ASRLCDLLPEMSDEEAMETASVASITQSEI.NEHNWKRTPRFRAPHHSSSMAALVGGGSVPRPGEISLA	294
NTDB id 1349 HI 1117 AAC22771.1	CTGKTM L ASRLTGLLPEMTDLEAETASVTSLVQNEL.NFHNWKRPFRA PHHSASMPALVGGGTIPKPGEISLA	298
NTDB id 1387 A4U84 RS06900 WP 020457569.1	CTGKTM L ASRLADLLPEMTDEAETASVTSLVQNEL.NFQNWKRPFRA PHHSASMPALVGGGSIPKPGEISLA	297
consensus	!* ! ! ! * * ! * ! * * * ! ! * * * * * ! * * * * * ! ! * * * * ! ! * * * * ! ! * * * * ! * ! *	

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consensus



non conserved
 similar
 ≥ 50% conserved