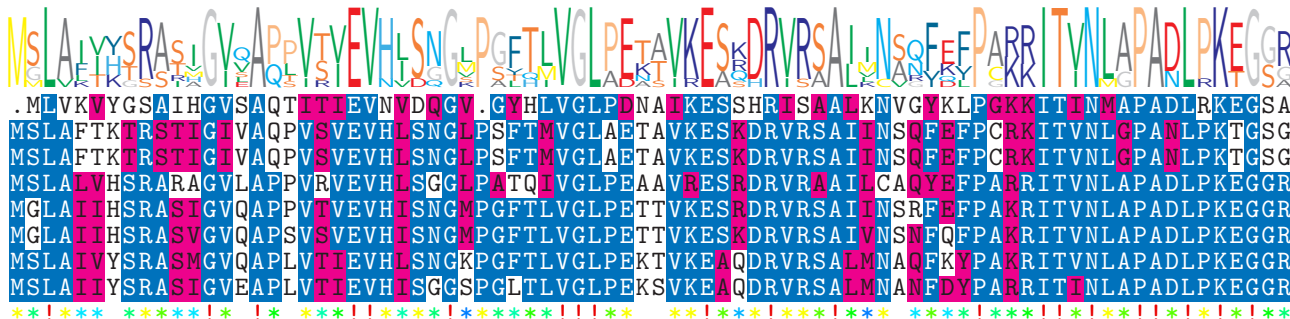


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NTDB id 1323 RAOC RS07335 WP 004916218.1	MSLAIVYSRASIGVAPPVTIEVHLSNGKPGFTLVGLPETAVKESDRVRSALNSQFEFPARRITVNLAPADLPKEGGR	78
NTDB id 1271 LPP RS03220 WP 011213198.1	.MLVKKVYGSAIHGVSAQTTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAAIKNVGYKLPKGGKITINMAPADLRKEGSA	80
NTDB id 1248 GC085 RS03150 WP 011213198.1	MSLAFTTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETA VKESKDRVRSATINSQFEFPCKRITVNLGPANLPKGTGSG	80
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	MSLAFTTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETA VKESKDRVRSATINSQFEFPCKRITVNLGPANLPKGTGSG	80
NTDB id 1153 A1552VC RS00115 WP 000521788.1	MSLALVHSRARAGVLAPPVRVEVHLSGGLPATQIVGLPEAAVRESRDRVRAAILCAQYEFPAARRITVNLAPADLPKEGGR	80
NTDB id 1397 DSB67 RS15690 WP 005535577.1	MGLAIIHSRASIGVQAPPVTIEVHLSNGMPGFTLVGLPETTVKESRDRVRSATINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id 1349 HI 1117 AAC22771.1	MGLAIIHSRASVGVQAPSVSVEVHLSNGMPGFTLVGLPETTVKESKDRVRSATVNSNFQFPAPKRITVNLAPADLPKEGGR	80
NTDB id 1387 A4U84 RS06900 WP 020457569.1	MSLAIVYSRASMGVQAPLVTTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAPKRITVNLAPADLPKEGGR	80
consensus	MSLAIIYSRASIGVEAPLVTTIEVHISGGSPGLTTLVGLPEKS VKEAQDRVRSALMNAFDYPARRITINLAPADLPKEGGR	80



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NTDB id 1323 RAOC RS07335 WP 004916218.1	FDLPIALGILAASGQIIAPETIERYLIMGELSLDGGQLPIKGVLPPIAIRAREEGFGKTIILPKQNTREAAIVNDLEVVGVEN	158
NTDB id 1271 LPP RS03220 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLLIIANANAAEASLTGHQKVFTANN	159
NTDB id 1248 GC085 RS03150 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLLIIANANAAEASLTGHQKVFTANN	159
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	FDLPIALGILAAAGQLDPQALGNYEFLGELALTGELRAVDGVLPAAALAAQA.GRTLIVPAGNGPEAALAQHVQAFRTART	159
NTDB id 1153 A1552VC RS00115 WP 000521788.1	FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAAANQV.ERCLVVPHSNGDQAALVGVERHKSAQS	159
NTDB id 1397 DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDKLKNYEFVIGELALSGGLRTVKGVLPAALAAANKK.QRHLVVPHANGDQAALVGKEQHKSAQS	159
NTDB id 1349 HI 1117 AAC22771.1	FDLPIALGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQT	159
NTDB id 1387 A4U84 RS06900 WP 020457569.1	FDLPIALGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KRETIIVPQQNANEVSLVSNQTQYCAST	159
consensus	FDLPIALGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASKA.KRETIIVPQQNANEVSLVSNQTQYCAST	159



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NTDB id 1323 RAOC RS07335 WP 004916218.1	LLEVCDFLNGQITPLAQPKLNNYERDLSDIIGQQAHRALIAAAGHNLLFLGPPGTGKTMLASRLSDP	238
NTDB id 1271 LPP RS03220 WP 011213198.1	LREVCDFLNGQITPLAQPKLNNYERDLSDIIGQQAHRALIAAAGHNLLFLGPPGTGKTMLASRLSDP	235
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREVCDFLNGQITPLAQPKLNNYERDLSDIIGQQAHRALIAAAGHNLLFLGPPGTGKTMLASRLSDP	235
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	LLEVCALLNGAKTLPAAEALPAA...ATPFPDLSDVRGQAQARRALEIAAAGHHHLLLTGSPGCGKTLLASRLPGITL	233
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LLEVCADLCGQQTLSLFQSSPSV...QQVSQTRDLQDIIGQQQKRALEIAAAGHNHLLFLGPPGTGKTMLASRLCDLL	235
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LLEVCDELNGQITPLAQPKLNNYERDLSDIIGQQAHRALIAAAGHNHLLFLGPPGTGKTMLASRLCDLL	235
NTDB id 1349 HI 1117 AAC22771.1	LLDVVQFLNGQEKPLATEIVKESAVNFSGKNTLDLTDIIGQQQAHRALIAAAGQHNLFLGPPGTGKTMLASRLTGLL	239
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQQAHRALIAAAGQHNLFLGPPGTGKTMLASRLADLL	238
consensus	LLEVCDFLNGQITPLAQPKLNNYERDLSDIIGQQAHRALIAAAGHNLLFLGPPGTGKTMLASRLSDP	238



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NTDB id 1323 RAOC RS07335 WP 004916218.1	PEMSDEALEETASIASLYCKELNFHNWKRPFRAPHHHTASVALVGGGTIPKGEISLAHNGVFLDELPEFERKVL	318
NTDB id 1271 LPP RS03220 WP 011213198.1	PELSETQALECAAINSIRGKLP.DFREWRLLPFRAPHHTASPVAVLGGGNPPKGEISLAHNGVFLDELPEFNRQVLET	314
NTDB id 1248 GC085 RS03150 WP 011213198.1	PELSETQALECAAINSIRGKLP.DFREWRLLPFRAPHHTASPVAVLGGGNPPKGEISLAHNGVFLDELPEFNRQVLET	314
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	PEASEAEALEAAAIASVSGRGL.DPARWRQRPYRSPHHTASAVSLVGGGTIPRPRGEISLAHNGVFLDELPEWNRHALEV	312
NTDB id 1153 A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQKEI.NQHNWKLRPFRAPHHSSSMAALVGGGTIPRPRGEISLAHNGVFLDELPEFERKVLDS	314
NTDB id 1397 DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASIASLTQSEI.NEHNWKTTPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGVFLDELPEFDRKVLDS	314
NTDB id 1349 HI 1117 AAC22771.1	PEMTDLEAIETASVTSLVQNEL.NFHNWKLRPFRAPHHSSASMPALVGGGTIPKGEISLATNGVFLDELPEFERKVLDA	318
NTDB id 1387 A4U84 RS06900 WP 020457569.1	PEMTDLEAIETASVTSLVQNEL.NFQNWKLRPFRSPHSSASMPALVGGGSIPKGEISLAHNGVFLDELPEFERKVLDA	317
consensus	PEMSDEALEETASIASLYCKELNFHNWKRPFRAPHHHTASVALVGGGTIPKGEISLAHNGVFLDELPEFERKVL	318



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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAAQIEFPARFQLYAAMNPSPDGYGSSQNRISPSQISRYLNRISGPI-LDRDMSIEVPALPOG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPN.NTSSSFEMQRYLNKLSGPLLDRIDITHIEVQKVFEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGITVTSRAARSAEFPARFQLYAAMNPPCGWAGDASGRCRCSDDSIRRYRARISGPLLDRIDLHVDVPRLPQ	392
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIVISRAQKTRFPARFQLVGALNPSTGYEGESQ..ARANPQSILRYLSRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIIISRAQKTRFPARFQIVGALNPSTGYEGNQ..ARTNPQAAILRYLGRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAQKTRFPARFQLYAAMNPPSTGHYTGTH..NRTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG	396
consensus	LRQPLESGEIIISRAAAKVFPAFQFLIAAMNPSTGHYQGGTH..NRTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG	395
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NTDB id 1323 RAOC RS07335 WP 004916218.1	QLSD..KRKGESSEITRQVRLKAREIQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSARAYDRILK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQD...SLNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQD...SLNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	470
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	ALRAD.AAPGESSATVRARVEQARQRQLARGG...CPNGQLGHSETLRDCRLQPRDEALLEHAIDRLRLSARSLHRLIR	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQVRVVARERMLARSG...KVNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCMLARSG...KVNALLQSREIEAFCPQLKSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAG...KINAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRG...KINAQLTTKEIEQDCKLTDRDALFLENALT KLGLSVRAYHRILK	471
consensus	! ***** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYYKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYYKQNLHLPK.....	503
NTDB id 1026444 AB3X09 RS02310 WP 369935974.1	VARTIADLAGSDTIATAHLTEATIGYRQLDRGEPASPDQADSVVRAGAARRAAR	519
NTDB id 1153 A1552VC RS00115 WP 000521788.1	VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV.....	507
NTDB id 1397 DSB67 RS15690 WP 005535577.1	VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV.....	507
NTDB id 1349 HI 1117 AAC22771.1	VSRTIADLQGEQIFQPHLAEALGYRAMVRLQLKLSNM.....	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.....	510
consensus	!***** *	

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