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NTDB id 1323 RAOC RS07335 WP 004916218.1	MSLAIVYSRASIGVAPLVTVYEVHLSNGPGETLVGLPETTVKESDRVRSALNSQEFPAKRITVNLAPADLPKEGGR	78
NTDB id 1271 LPP RS03220 WP 011213198.1	.MLVKKVYGSAIHGVSAQTTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPKGGKITINMAPADLRKEGSA	80
NTDB id 1248 GC085 RS03150 WP 011213198.1	MSLAFTTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSALINSQFEFPCRKITVNLGPANLPKGTGSG	80
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	MSLAFTTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSALINSQFEFPCRKITVNLGPANLPKGTGSG	80
NTDB id 1153 A1552VC RS00115 WP 000521788.1	MSLAIVYTRAALGIEAPLITIEVHLSNGLPGLTMVGLPETTVKEARDRVRSALINSGYAFPAKKITINLAPADLPKEGGR	80
NTDB id 1397 DSB67 RS15690 WP 005535577.1	MGLAIIHSRASIGVQAPPVTVVEVHISNGMPGFTLVGLPETTVKESRDRVRSALINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id 1349 HI 1117 AAC22771.1	MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSALVNSNFQFPAKRITVNLAPADLPKEGGR	80
NTDB id 1387 A4U84 RS06900 WP 020457569.1	MSLAIVYSRASMGVQAPLVITIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPAPKRITVNLAPADLPKEGGR	80
consensus	MSLAIIYSRASIGVEAPLVITIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNAFDPARRITINLAPADLPKEGGR	80

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NTDB id 1323 RAOC RS07335 WP 004916218.1	FDLPIALGILAASQQLITIEVHLSNGLPGLTMVGLPETTVKESRDRVRSALINSRFEFPAKRITVNLAPADLPKEGGR	158
NTDB id 1271 LPP RS03220 WP 011213198.1	YDLSTALGILAASGQIIAPETIERYLIMGELSLDGGQLPIKGVLPPIAIRAREEGFGKTIILPKQNTREAAIVNDLEVYGVEN	159
NTDB id 1248 GC085 RS03150 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTANN	159
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHKD.NQHLIIANANAAEASLTGHQKVFTANN	159
NTDB id 1153 A1552VC RS00115 WP 000521788.1	YDLPIALALLVASEQLNTTRLNQYEFVGEALATGGLRGVPGAIPSSAMEAIKA.GRRIVVSSDNAAEVGLTGGSDCLVADH	159
NTDB id 1397 DSB67 RS15690 WP 005535577.1	FDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAAANQV.ERCLVVPHSNGDQAALVGVERHKSQAS	159
NTDB id 1349 HI 1117 AAC22771.1	FDLPIALGILAASEQIATDKLKNYEFVGEALALSGGLRTVKGVLPAALAAANKK.QRHLVVPHANGDQAALVGKEQHKSAQS	159
NTDB id 1387 A4U84 RS06900 WP 020457569.1	FDLPIALGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVPAILAAQKS.KRELIIAKQNANEASLVSDQNTYFAQT	159
consensus	FDLPIALGILAASGQIDSDKLKRIFELGELSLTGHLRGVHGAIPAVLAASKA.KRETIIVPQQNANEVSLVSNQTQYCAST	159

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LLEVCDELCCQQLITIEVHLSNGLPGLTMVGLPETTVKESRDRVRSALINSRFEFPAKRITVNLAPADLPKEGGR	238
NTDB id 1271 LPP RS03220 WP 011213198.1	LREVCDELCCQGTSLSLSPPKPDL...LLNNYELDWSDIKGGQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL	235
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREVCDELCCQGTSLSLSPPKPDL...LLNNYELDWSDIKGGQHAKNAMVIAACGGHSILLSGAPGSGKTMMAKRFSTLL	235
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	LQVCAFLAGQASLSPLADV...PAVDERCEDLRDVIGQQQKRALEIIVAAGGHNLLLTGPPGTGKTMLACRLPGLL	234
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LLEVCADLCGQQTLSLFQSSPSV...QQVSQTRDLQDIIGQQQKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LLEVCDELCCQGHQNLNLYQTPKKK...ELKAHGRDLQDIIGQQQKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id 1349 HI 1117 AAC22771.1	LLDVVQFLNGQEKPLATEIVKESAVNFSGKNTLDTLDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLTGLL	239
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LLQVVNFLNNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTMLASRLADLL	238
consensus	LLEVCDELCCQQLITIEVHLSNGLPGLTMVGLPETTVKESRDRVRSALINSRFEFPAKRITVNLAPADLPKEGGR	238

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NTDB id 1323 RAOC RS07335 WP 004916218.1	PEMSDEALEETASISLVQKEPNEHNWKRPFRAPHHSASMAALVGGGSIIPPGELSLAHNGVFLDELPEFERVLD	318
NTDB id 1271 LPP RS03220 WP 011213198.1	PPLTLKEALETTKIHSVAGKMGAEATSLMTIRPFRSPHHTISDVVALVGGGSIIPPGELSLAHNGVFLDELPEFERVLD	314
NTDB id 1248 GC085 RS03150 WP 011213198.1	PELSETQALECAAINSIRGKLPDF.REWRLLPFRAPHHTASPVVALVGGGNPPKPGELSLAHNGVFLDELPEFNRQVLET	314
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	PELSETQALECAAINSIRGKLPDF.REWRLLPFRAPHHTASPVVALVGGGNPPKPGELSLAHNGVFLDELPEFNRQVLET	313
NTDB id 1153 A1552VC RS00115 WP 000521788.1	PPLSNQEALESTAIQSLVNLQTAK.TRWRRQRPFRAPHHSASLAAMVGGGSIIPVPGELSLAHNGVFLDELPEFERVLD	314
NTDB id 1397 DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASIASLTQSEINE.HNWKTRPFRAPHHSASMAALVGGGSIIPVPGELSLAHNGVFLDELPEFERVLD	314
NTDB id 1349 HI 1117 AAC22771.1	PEMSDEEAMETASIASLTQSEINE.HNWKTRPFRAPHHSASMAALVGGGSIIPVPGELSLAHNGVFLDELPEFERVLD	318
NTDB id 1387 A4U84 RS06900 WP 020457569.1	PEMTDLEAIETASVTSLVQNELNF.HNWKTRPFRAPHHSASMAALVGGGSIIPVPGELSLAHNGVFLDELPEFERVLD	317
consensus	PEMSDEALEETASISLVQKEPNEHNWKRPFRAPHHSASMAALVGGGSIIPPGELSLAHNGVFLDELPEFERVLD	318

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTCGYGQNRISPPQRIIRYLRLSGPFLDRFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNLKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	LREPLESGKIHSISRAKIDYPARFQLIAAMNPSPTCGHYQKGKHNRL.ASPEQTLRYLGRLSGPFLLDRFDLSLEIPLPPPG	391
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIVISRAQKTRFPAFQFQVGAALNPSPTCGYEGSSQAR..ANPQSILRYLSRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIIISRAQKTRFPAFQFQVGAALNPSPTCGYEGGNQAR..TNPQAAILRYLGRLSGPFLLDRFDMSTIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LRQPLESGEIIISRAANAKIQFPAFQFQVGAALNPSPTCGHYTGTNHR..TSPQQIMRYLNLRLSGPFLDRFDLSIEVPLLPQG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAANAKVFFPAFQFQVGAALNPSPTCGHYQGTNHR..TSPQQIMRYLNLRLSGPFLDRFDLSIEVPLLPQG	395
consensus	*!*****!!!!* *** *!!!!*****!!!!* * ** * ** *!!!! *!!!!*!!!!*!!!!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LSNGTDRGESSAAVPERVLRKAREQMARQCKLVALNSKEIECYEALDALEFENALKGLSARAYHRLIK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	QISD..KRKGESSEITRQRVLRKAREIQQERYQDLAISYNAQMGPKEIEHFCELDVSLLLIKNAMEKLNLSARAYDRILK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQFLFLREVMSKLLKSARGYHRLIK	470
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQFLFLREVMSKLLKSARGYHRLIK	466
NTDB id 1153 A1552VC RS00115 WP 000521788.1	ILSQG.TQGEESATVRQRVLAARERQMLRQNK...LNAHLENREMKSCCHLRQEDALWLEQTLTQLGLSTRAWQRLIK	467
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLANG.GDRGESTAAVRQRVVVARERMLARSGK...VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	TLSEG.GDRGEPTAIVKERVNQARDCMLARSGK...VNALLQSREIEAFCPQLKSDAEFLENALHRLGLSIRAYHRIK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
consensus	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLTTKEIEQDCKLITDRDALFLENALTKLGLSVRAYHRILK	
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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSIDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1023692 AB3M40 RS25690 WP 012969207.1	VARTIADLAEAEETERRHLQEALSYRAIDRMLNHLQKMMA	506
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	VSRTIADLQGEQIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	!***** ** !***! * !***** *	

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