

[illegible][illegible]

NTDB id	1323	RAOC RS07335 WP	004916218.1	IKEVIDFFNENCPL	EPTKVNTREEFHKRVNLFPF	DFSEVKGGQETAKRAMEVA	AAGGHNHLLI	GPPGSGKTMLAKRIPSIL	238	
NTDB id	1271	LPP RS03220 WP	011213198.1	IREVCDYL	CQGTSLSLPPPKPDL...	LLNNYELDWS	DIKGQQHAKNAMVIAAC	GGHSILLSCAPGSGKTMAKRIFSTLL	235	
NTDB id	1248	GC085 RS03150 WP	011213198.1	IREVCDYL	CQGTSLSLPPPKPDL...	LLNNYELDWS	DIKGQQHAKNAMVIAAC	GGHSILLSCAPGSGKTMAKRIFSTLL	235	
NTDB id	1103322	ACSNOE RS24135 WP	071685131.1	LQAVCAFL	EKGHDRLRPSSAD...	FIPCALADLS	SDVIGQEQRGLETAAG	GHNHLLI	GPPGTGKTMLASRLRGLL	234
NTDB id	1397	DSB67 RS15690 WP	005535577.1	LEEVCAL	CGQHQLNLYQTTPKKK...	ELKAHGRDL	QDIIGQQQCKRALEIAA	AGNHNLLFL	GPPGTGKTMLASRLCDLL	235
NTDB id	1153	A1552VC RS00115 WP	000521788.1	LEEVCADL	CGQQTL	SLFQSSPSV... QQVSQTR	DLQDIIGQQQCKRALEIAA	AGNHNLLFL	GPPGTGKTMLASRLCDLL	235
NTDB id	1349	HI 1117 AAC22771.1		LDVVQFL	NGQEKPLATEIVKESAVNFSGKNTL	DLTDIIGQQHAKRALTIAAA	QGHNLLFL	GPPGTGKTMLASRLTGLL	239	
NTDB id	1387	A4U84 RS06900 WP	020457569.1	LLQVVFNL	NNRDQLPIAQQLSQNIAEN.RPLVSR	DILTIDIIGQQHAKRALTIAA	SGQHNLFL	GPPGTGKTMLASRLDLL	238	
consensus				* * ? * *	!	! * * * * ! * * ! * * * * * ! * ! * * * * ! * ! * ! * ! * ! * ! * ! *				

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NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTCGYGSONRITPQRIIRYLNRLSGPIIDREFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVETISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1103322 ACNSOE RS24135 WP 071685131.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNISQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPIESGQIHLSRTRAKITYPARFQLIAAMNPSPGTGHYQGNHN..RCTPEQTLRYLNRLSGPFLDRFDLSLEIPLPPPG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAQKTRFPAFQIVGALNPSPGTGYEGNQA..RTNPQATILRYLGRLSGPLLDRFDMSLEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAQKTRFPAFQIVGALNPSPGTGYEGSSQA..RANPQSILRYLSRLSGPLLDRFDMSIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRANAKIQFPAFQIVGALNPSPGTGHYTGTN..RTSPQQIMRYLNRLSGPFLDRFDLSIEVPLLPQG	395
consensus	*!***** *!!* *** *!!*!*****!!*!!* * ** * ** *!!!! *!!!!*!!!!*!***** ** *	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	Q L S D . . K R K G E S S E I T R Q R V L K A R E I Q Q E R Y Q D L A I S Y N A Q M G P K E I E H F C E L D E V S L L L I K N A M E K L N L S A R A Y D R I L K	475
NTDB id 1271 LPP RS03220 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKMHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKMHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	470
NTDB id 1103322 ACNSOE RS24135 WP 071685131.1	ILSQN.QVKGEDSATVKKQRVMAARDQYRRQNK...LNAHLDSQDINKYCPLRSDAQWLEETLAHLGLSTRAWLRLLIK	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCLARSGK...VNALLGSREIEAFQPLQKSDAEFLENALHRLGLSIRAYHRIIK	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQRVVVARERMLARSGK...VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLITKEIEQDCKLITDRDALFLENALTKLGLSVRAYHRILK	471
consensus	! *** * * * * * ! * * * ! ! * * * * * ! ! ** *** ** * ! ! ! ! ! * ! ! ! ! !	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSIDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSQKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALSQKQNLHLPK.....	503
NTDB id 1103322 ACNSOE RS24135 WP 071685131.1	VARTIADIEQSDHISRQHLQEAIVGYRAIDRLLIHLLQKLLA	506
NTDB id 1397 DSB67 RS15690 WP 005535577.1	VARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV	507
NTDB id 1153 A1552VC RS00115 WP 000521788.1	VARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV	507
NTDB id 1349 HI 1117 AAC22771.1	VSRTIADLQGEQQIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPPHLAEALGYRAMDRLLQRLQGES.	510
consensus	!*****! ** !*****!***** *	

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