

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVVKYVGSAIHGVSAQTITIEVNVDQGV.GYHLVLGLPDNAIKESSHRISAAALKNVGYKLPKKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKRSTTIGIVAQPVSEVEHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GC085 RS03150 WP 011213198.1	MSLAFTKRSTTIGIVAQPVSEVEHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1004425	ABH545 RS29875 WP 000058976.1	MSLSITHRAALGVNAPPITVEVHISKGLPGLTMVGLPETTVKEARDVRSAIINSGYEYPAKKITINLAPADLPKEGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTVEVHISNGMPGGFTLVGLPETTVKESRDRVRSAIINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQAAPSVEVHISNGMPGGFTLVGLPETTVKESKDRVRSAIVNSMFQFPAKRITVNLAPADLPKEGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPLVTIEVHISNGKPGGFTLVGLPEKTVKEAQDRVRSAIMNNAFKYPAKRITVNLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVEAPLVTIEVHISGSPGLTLVGLPEKSVEKAQDRVRSAIMNANFDYPARRITINLAPADLPKEGGR	80
consensus			* * * * *	

[illegible]

NTDB id	1323	RAOC RS07335 WP 004916218.1	IKEVIDFENENCPLPTKVNTRREEFHKRVLNFPFDSEVKGQETAKRAMEVAAGGHNILIGPPSGSKTMLAKRIPSL	238
NTDB id	1271	LPP RS03220 WP 011213198.1	IREVCDFLCQGTSLSLSPPKPDL...LLNNYELDWSIDIKGQQHAKNAMVIAACGGHSILLSCAPSGSKTMAKRFSTLL	235
NTDB id	1248	GC085 RS03150 WP 011213198.1	IREVCDFLCQGTSLSLSPPKPDL...LLNNYELDWSIDIKGQQHAKNAMVIAACGGHSILLSCAPSGSKTMAKRFSTLL	235
NTDB id	100425	ABH545 RS29875 WP 000058976.1	LQAVCAFLGEGKHALERPKPTDA...VSRLQHLDLTVVGVEQKRCGLEITAAAGGHNNLLIGPPGTGKTMLASRLINGLL	234
NTDB id	1153	A1552VC RS00115 WP 000521788.1	LLEVCADLCGQQTSLFQSSPSV...QQVSQTRDLQDIIGQQQCKRALEIAAAGNHNNLLFGPPGTGKTMLASRLCDLL	235
NTDB id	1397	DSB67 RS15690 WP 005535577.1	LLEVCADFICGQHGLNLVYTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNNLLFGPPGTGKTMLASRLCDLL	235
NTDB id	1349	HI 1117 AAC22771.1	LLDVVGQLNGQEKLPLATEIVKESAVNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNNLLFGPPGTGKTMLASRLTGLL	239
NTDB id	1387	A4U84 RS06900 WP 020457569.1	LLQVVNFIINNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIGQQHAKRALTIAASGQHNNLLFGPPGTGKTMLASRLADLL	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	LREPLESGHICISRAAAQIEFPAKFQLI AAMNPPCGQWGN SQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1004425 ABH545 RS29875 WP 000058976.1	LREPLESGHICISRAAAQIEFPAKFQLI AAMNPPCGQWGN SQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREP IESGQIHLSRTRAKITYPARFQLVAAMNPSP TGHYQGNHN..RCTPEQTLRYLNRLSGPFLDRFDLSLEIPLPPPG	392
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPLESGEIVISRAQ GKTRFPARFQLV GALNPSP TGYYESQA..RANPQSILRYLSRLSGPLLDRFDMSTIEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIIISRAQ GKTRFPARFQIVGALNPSP TGYYESGNA..RTNPQAAILRYLGRLSGPLLDRFDMSTIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRAQ GKTRFPARFQIVGALNPSP TGHYTGT HN..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 I T 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	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCEMVCELGSEEQLFLREVMSKLLKSARGYHRLLK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCEMVCELGSEEQLFLREVMSKLLKSARGYHRLLK	470
NTDB id 1004425 ABH545 RS29875 WP 000058976.1	ILSKT.VVPGESSATVKKRVMAARERQFKRQNK...LNAWLDSPETIRQFCKLESEDAMWLEGTLIHLGLSTRAWQRLK	466
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLANG.GDRGESTAAVRQVRVVARERMLARSGK...VNALLQSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	467
NTDB id 1397 DSB67 RS15690 WP 005535577.1	TLSEG.GDRGEPTAIVKERVNQARDCMLARSGK...VNALLQSREIEAFCLPQKSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLTKEIEQDCKLTDRDALFLENALT KLGLSVRAYHRILK	471
consensus	! **** * * * ! * * * * * ! * * * ! ! * * * * * ! ! * * * * * * * * ! * ! * ! * ! * ! * ! * ! * !	

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NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSIDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALS YKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADMNSSKKVLLNHLQQALS YKQNLHLPK.....	503
NTDB id 1004425 ABH545 RS29875 WP 000058976.1	VARTIADIDQSDIITRQHLQEAVSYRAIDRLLIH LQKLLT	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	VSRTIADLQGEQ QIFQPHLAEALGYRAMVRL LKLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	! * ! ! ! ! ! * * * ! * * ! * * * * * *	

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