

NTDB id	1323	RAOC RS07335 WP	004916218.1	.MLVKKVYGSALIHGVSQAQTITTEVNVDQGV.GYHLVLGLPDNALIKESSHRISAAIKNVGYKLPGKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP	011213198.1	MSLAFTKTRSTIGTIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GC085 RS03150 WP	011213198.1	MSLAFTKTRSTIGTIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1035987	AB7D98 RS22650 WP	022649778.1	MSLSVVYTRAAGIVGKAPLISVEVHLSNGLPGLTMVGLPETVKEARDVRSAIINSGYAFPAKKITINLAPADLPKEGGGR	80
NTDB id	1397	DSB67 RS15690 WP	005535577.1	MGLAIITHSRASVGVAQPSVSEVHLSNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGGR	80
NTDB id	1153	A1552VC RS00115 WP	000521788.1	MGLAIITHSRASIGVGAAPPVTVEVHLSNGMPGFTLVGLPETTVKESKDRVRSAIINSRFEPFAKRITVNLAPADLPKEGGGR	80
NTDB id	1349	HI 1117 AAC22771.1		MSLAIVYSRASMGVQAAPLVITEVHLSNGKPFTLVGLPEKTVKEAQDRVRSAI L M N A F D Y P A R R I T V N L A P A D L P K E G G R	80
NTDB id	1387	A4U84 RS06900 WP	020457569.1	MSLAIIYSRASIGVEAPLVITEVHLSNGSPGLTMVGLPEKS VK EA Q DR VR SA L M N A F D Y P A R R I T V N L A P A D L P K E G G R	80
consensus				* * ! * * * * * * * ! * ! * * * * * * * * * * * * * * ! * * * * * * * * ! * * * * * * * * ! * * * * * * * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTAIGILAASGQTIAPEITERYLIMGELSDDGGLQPIKGVLPATIRAREEGFGKITIPKQNTREAAIVNDLEVYGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPALIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDPALIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1035987	AB7D98 RS22650 WP 022649778.1	YDLPPIATAILAASEQINTPTGLSSCEFEVGELALTCALRGVPICATSGLAIIRA.GRQTIIVANENASEVSLIAEKGCCLVAGH	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPALIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAAALAANKK.QRHLVVPHANGDQAALVGKEQHKSAAQS	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPALIALGILAASDQIARNKLESYEFIGELALSSELGRVKGVLPAALAAANQV.ERCLVYPHSNGDQAALVGVERHKSAAQS	159
NTDB id	1349	HI 1117 AAC22771.1	FDPPIATIGILAASDQIDASHLKQFEEVAELATGQLRGVHVGPAPLAALKS.KRELIIAKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDPPIATIGILAASGQIDSDKLRRIELLGELSLTGHRLRGVHGAPAVLAAASKA.KRETIIVPQQNANEVSLVSNTQTTCYST	159
consensus			*!!*!!**!!!!!* * * ** * ! * ! * !! * * ! * * * * * * ! * * * * * ! * * * * *	

NTDB id 1323 RAOC RS07335 WP 004916218.1 TKEVIDFFNENCPLEPTKVNTREEEFHKRVNLFPFDFSEVKGGETAAKRAEVAAGGHNILIGPPGSCKTMLAKRIPSII 238
NTDB id 1271 LPP RS03220 WP 011213198.1 IREVC DYLCQGTSLQLSPPKPDLL...LNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSCAPSGKTMMAKRFSTLL 235
NTDB id 1248 GC085 RS03150 WP 011213198.1 IREVC DYLCQGTSLQLSPPKPDLL...LNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSCAPSGKTMMAKRFSTLL 235
NTDB id 1035987 AB7D98 RS22650 WP 022649778.1 LQEVCANLEGRELAEPEENEVE...LVADSPDDLSDINGEQEGKRALETI AAGGHNLIIGPPGTGKTMLASRLSGLL 234
NTDB id 1397 DSB67 RS15690 WP 005535577.1 LLEVCAELCGQHQLNLYQTTPKKK...EKAHGRI QDII GQQQGKRAL EIAAAGNHNLFLGPPGTGKTMLASRLCDLL 235
NTDB id 1153 A1552VC RS00115 WP 000521788.1 LLEVCA DL CGQQTL S LFQS SP SV ... QQVS QTRDLQDI IGQQQG KRAL EIAAAGNHNLFLGPPGTGKTMLASRLCDLL 235
NTDB id 1349 HI 1117 AAC22771.1 LLVVVF LN GQEK EL PLATEIVKESAVNFSGKNITLDITDI IGQQGH AKRAL TIAAAQGNHL FLGPPGTGKTMLASRLTGLL 239
NTDB id 1387 A4U84 RS06900 WP 020457569.1 LLGVVN F LN RNDQLPIAQQLSQNIAEN.RPLVSRDLTDI IGQQGH AKRAL ITIAASGQNHL FLGPPGTGKTMLASRLADLL 238

consensus * ? ! * ? * * ? ! ? ! * ? ! * ? * ! * ? ! * ? ! * ? ! * ? ! * ? ! * ? ! * ? ! *

[illegible]

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	LREPLESGEIIISRAAKIIFPAFQLYAAMNPSPTCGYGSONRITPQRIIRYLRLSGPFLDRFDMSIEIPALPQG	397
NTDB id 1271 LPP RS03220 WP 011213198.1	MRQPLEDRVITISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNLKLSGPLLDRIDITHIEVQKVVEFD	394
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	394
NTDB id 1035987 AB7D98 RS22650 WP 022649778.1	LREPLESGHICISRAAAQIEFPAKFQLIAAMNPPCGQWGNSSQANCMCTPDRIISRYLAKLSAPLLDRIDMQVTIHALSQE	391
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LREPESGEIHLSTRAKISYPAQFQLVAAMNPSPTCGHYQGNHN..RCTPEQTLRYLSKLSGPFLLDRFDLSLEIPLPPPG	392
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LREPLESGEIIISRAQKTRFPAQFQIVGALNPSPTCGYEENQA..RTNPQATILRYLGRLSGPPLDRFDMSLEIPALPKG	392
NTDB id 1349 HI 1117 AAC22771.1	LREPLESGEIVISRAQKTRFPAQFQIVGALNPSPTCGYEESQA..RANPQSILRYLSRLSGPPLDRFDMSIEIPALPKG	396
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LRQPLESGEIIISRANAKIQFPAQFQIVGALNPSPTCGHYTGTN..RTSPQQIMRYLNLRLSGPFLDRFDLSIEVPLLPQG	395
consensus	*!*!*!*!*!* *!*! * * * * *!*!*!*!*!*!*!*!* * * * * * * * * * * * * * * * * *	

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	LQNTGDRGESAAVREVRKAREIQARQCKVALLSKEIECQLDALEFENALKGLSARAYHRLIK	475
NTDB id 1271 LPP RS03220 WP 011213198.1	QLSD..KRKGESSEIRQVRLKAREIQERYQDLAISYNAQMGPKEIEHFCELDVSLLLIKNAMEKLNLSARAYDRILK	470
NTDB id 1248 GC085 RS03150 WP 011213198.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	470
NTDB id 1035987 AB7D98 RS22650 WP 022649778.1	ELIKPNTHLEKQSLAIREKVTMKHEIQMARQDS...LNANLNSKTCCEMVCELGSEEQLFLREVMSKIKLSARGYHRLIK	466
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LLRQT.GIKGESSAVVRERVIAAQAQYARQNR...LNARLDNSGIRQFCSLNAEDAGWLEETLTRFGLSTRAWQRLK	467
NTDB id 1153 A1552VC RS00115 WP 000521788.1	TLSEG.GDRGEPTAIVKERVNQARDCLARSGK...VNALLGSREIEAFCLPKQSDAEFLENALHRLGLSIRAYHRIK	467
NTDB id 1349 HI 1117 AAC22771.1	TLANG.GDRGESTAAVRQRVVVARERMLARSGK...VNALLGSREIEQYCPLLKADAEFLESALHRLGLSIRAYHRIK	471
NTDB id 1387 A4U84 RS06900 WP 020457569.1	SLQNT.GDRGETSAQVREKVLKVREIQMERAGK...INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSVRAYHRILK	471
consensus	ALQNNTDQRGETTEQARKRVLEARHLQFNRRGK...INAQLITKEIEQDCKLITDRDALFLENALTKLGLSVRAYHRILK	
	! *	

logo

NTDB id 1323 RAOC RS07335 WP 004916218.1	VSRTIADLERETNIQSHHIAEAIQYRSILDRDFWKV.....	510
NTDB id 1271 LPP RS03220 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1248 GC085 RS03150 WP 011213198.1	VSRTIADLNSSKKVLLNHLQQALSYPKQNLHLPK.....	503
NTDB id 1035987 AB7D98 RS22650 WP 022649778.1	VARTVADVEGCPGTEIRRHLEALSYPATDRLLLHLQKMLA	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	VSRTIADLQGEQIFQPHLAEALGYRAMVRLKQLSNM..	509
NTDB id 1387 A4U84 RS06900 WP 020457569.1	VSRTIADLAGEAQIQPHLAEALGYRAMDRLLQRLQGES.	510
consensus	! *	

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