

NTDB id	1323	RAOC RS07335 WP 004916218.1	.MLVKVYGS A IHHGVS A QTTITTEVNVDQGV.GYHLVLGLPDNATIKESSHRISAAAKNVGYKLPGKKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAPQPVSEVEHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GCO85 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAPQPVSEVEHLSNGLPSTFMVGLAETAVKESKDRVRSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1009564	ABNG15 RS28235 WP 003098248.1	MSLAITHSRAGVGVEAPCVSVEAHLANGLPSLTIVGLPETAVRESKDRVRSAIIINAGFDFPARRITILNAPADLPKGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQAAPSVEVEHLSNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGR	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTVEVHLSNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEPFAKRITVNLAPADLPKEGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPPLVTIEVHLSNGKPGLTLVGLPEKTVKEAQDRVRSAIMNAQFKYPARKRITVNLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLAIVYSRASIGVEAPLVTIEVHLSGGSPGLTLVLGLEKSVKEAQDRVRSAIMNAFDDYPARRITINLAPADLPKEGGR	80
consensus			* * ! * * * * * * * ! * ! * * * * ! * * * * * ! * ! * * * * * ! * ! * * * * * ! * ! * ! * * ! * * ! * * ! * * ! * *	

NTDB id 1323	RAOC RS07335 WP 004916218.1	YDI	ST	AL	GIL	AAS	GQ	II	AP	ET	RY	LI	MG	EL	SL	DG	GL	QP	IK	GV	LP	IA	TR	ARE	EG	FG	KG	II	LP	KQ	NT	RE	AA	IV	ND	LE	VY	GV	EN	158																																								
NTDB id 1271	LPP RS03220 WP 011213198.1	F	D	L	P	I	A	L	G	I	L	A	A	S	E	Q	I	P	L	T	N	L	A	N	H	E	F	I	G	E	L	A	S	G	E	L	R	G	V	S	A	I	I	P	A	V	L	A	A	H	K	D	.	N	Q	H	L	I	I	A	N	A	N	A	A	E	A	S	L	T	G	H	Q	K	V	F	T	A	N	159
NTDB id 1248	GC085 RS03150 WP 011213198.1	F	D	L	P	I	A	L	G	I	L	A	A	S	E	Q	I	P	L	T	N	L	A	N	H	E	F	I	G	E	L	A	S	G	E	L	R	G	V	S	A	I	I	P	A	V	L	A	A	H	K	D	.	N	Q	H	L	I	I	A	N	A	N	A	A	E	A	S	L	T	G	H	Q	K	V	F	T	A	N	159
NTDB id 1009564	ABNG15 RS28235 WP 003098248.1	F	D	L	A	I	A	L	G	I	L	A	A	S	G	Q	I	P	G	T	A	L	D	G	L	E	C	L	G	E	L	A	S	G	A	I	R	P	R	G	V	L	P	A	A	L	A	A	R	D	A	.	N	R	H	L	V	V	P	K	E	N	A	E	E	S	A	S	L	A	S	L	T	V	F	A	V	D	H	159
NTDB id 1397	DSB67 RS15690 WP 005535577.1	F	D	L	P	I	A	L	G	I	L	A	A	S	E	Q	I	A	T	D	K	L	K	N	Y	E	F	V	G	E	L	A	S	G	G	L	R	T	V	K	G	V	L	P	A	A	L	A	N	K	K	.	Q	R	H	L	V	V	P	H	A	N	C	D	Q	A	A	L	V	G	K	E	Q	H	K	S	A	Q	S	159
NTDB id 1153	A1552VC RS00115 WP 000521788.1	F	D	L	P	I	A	L	G	I	L	A	A	S	D	Q	I	A	R	N	K	L	E	S	Y	E	F	I	G	E	L	A	S	G	E	L	R	G	V	K	G	V	L	P	A	A	L	A	N	Q	V	.	E	R	C	L	V	V	P	H	S	N	C	D	Q	A	A	L	V	G	V	E	R	H	K	S	A	Q	S	159
NTDB id 1349	HI 1117 AAC22771.1	F	D	L	P	I	A	L	G	I	L	A	A	S	D	Q	I	D	A	S	H	L	K	Q	F	E	F	V	A	E	L	A	T	G	Q	L	R	G	V	H	G	V	I	P	A	I	L	A	A	Q	S	.	K	R	E	L	I	I	A	K	Q	N	A	N	E	A	S	L	V	S	D	Q	N	T	Y	F	A	Q	T	159
NTDB id 1387	A4U84 RS06900 WP 020457569.1	F	D	L	P	I	A	L	G	I	L	A	A	S	G	Q	I	D	S	D	K	L	K	R	I	E	L	L	G	E	L	S	L	T	G	H	L	R	G	V	H	G	A	I	P	A	V	L	A	A	S	K	A	.	K	R	E	I	V	P	Q	N	A	N	E	V	S	L	V	S	N	T	Q	T	Y	F	A	Q	T	159
consensus		*	!	*	!	*	!	*	!																																																																							

NTDB id	1323	RAOC RS07335 WP	004916218.1	IKEVIDFFNEICPTEPTKVNTREEFHKRVNLFPFDFSEVKGGQETAKRAMEVAAGGHNILILIGPPSGSKTMLAKRIPSIIL	238
NTDB id	1271	LPP RS03220 WP	011213198.1	LREVCDYLCCGTSLQLSPPKPDLL...LLNNYELDWSIDIKQQHAKNAMVIAACGGHSILLSCAPCSGKTMMAKRFSTLL	235
NTDB id	1248	GCO85 RS03150 WP	011213198.1	LREVC DY LCCGTSLQLSPPKPDLL...LLNNYELDWSIDIKQQHAKNAMVIAACGGHSILLSCAPCSGKTMMAKRFSTLL	235
NTDB id	1009564	ABNG15 RS28235 WP	003098248.1	LLEIAGHLSSGNAPLPYPQARGLLL...RAPFPYPDLAEVQGQAAAKRALIVAAAAGHNLLISGPPGTGKTLASRLPGLL	235
NTDB id	1397	DSB67 RS15690 WP	005535577.1	LLEVCAE LCGQHQLNLYQTTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1153	A1552VC RS00115 WP	000521788.1	LLEVCA D LCGHQ T LSLFQSSPSV...QQVSQTRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1349	HI 1117 AAC22771.1		LLDV V Q F L N G R E K P L A T E I V K E S A V N F S G K N T I D L T D I I G Q Q H A K R A L T I A A A Q H N L L F L G P P G T G K T M L A S R L T G L L	239
NTDB id	1387	A4U84 RS06900 WP	020457569.1	LLQVVNF L NN RD QLPIAQQLSQNIAEN.RPLVSRDLTDIIIGQQHAKRALIIAASGQHNLFLGPPGTGKTMLASRLADLL	238
consensus				***** * * ! **** * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! *	

[illegible]

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consensus

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consensus

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- ☐ non conserved
- ☒ similar
- ☒ $\geq 50\%$ conserved