

NTDB id	1323 RAOC RS07335 WP 004916218.1	.MLVVKVYGS A IHGVSAQTITTEVNVDQGV.GYHLVLGLPDNAIKESSHRISAAAKNVGYKLPGKKKITINMAPADLRKEGSA	78
NTDB id	1271 LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGTIVAPQVSVEVHH.SNGLPSEFTMVGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248 GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGTIVAPQVSVEVHLSNGLPSETVMGLAETAVKESKDVRVSAIINSQFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1016575 ABXU53 RS27770 WP 003098248.1	MSLAITHSRAGVGVEAPCVSVEAHLANGPSLTIVGLPETAVRESKDVRVSALLINAGFDFFARRITLINLAPADLPKGGR	80
NTDB id	1397 DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQAAPSVSVEVHI.SNCGMPGGFTLVGLPETTVKESKDVRVSAIVNSNFQFPKRITVNLAPADLPKEGGR	80
NTDB id	1153 A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAAPPVTVEVHLSNCGMPGGFTLVGLPETTVKESRDVRVSAIINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id	1349 HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPPLVTIEVHLSNCKPGFTLVGLPEKTVKEAQDQRVSALMNAQFKYPARKRITVNLAPADLPKEGGR	80
NTDB id	1387 A4U84 RS06900 WP 020457569.1	MSLAIVYSRASIGVEAPLVTIEVHLSGGS.PGLTLVLGLEKS VKEAQQDVRVSALMNANFDYPARRITINLAPADLPKEGGR	80
consensus		* * ! * * * * * * * * * * ! * * * * * ! * * * * * ! * * * * * ! * ! * * * * * * ! * ! * * * * * ! * ! * * * * *	

NTDB id 1323	RAOC RS07335 WP 004916218.1	YDI	S	T	A	L	G	I	L	A	A	S	G	Q	T	I	A	P	E	T	E	R	Y	L	I	M	G	E	L	S	L	D	G	G	L	Q	P	I	K	G	V	L	P	I	A	T	R	A	R	E	E	G	F	K	G	I	L	P	K	Q	N	T	R	E	A	I	V	N	D	L	E	V	Y	G	V	E	N	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	L	S	G	E	L	R	G	V	S	A	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	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	L	S	G	E	L	R	G	V	S	A	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	K	V	F	T	A	N	159		
NTDB id 1016575	ABXU53 RS27770 WP 003098248.1	F	D	L	A	L	G	I	L	A	A	S	G	Q	I	P	G	T	A	L	D	G	L	E	C	I	G	E	L	A	L	S	C	A	T	R	P	V	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	G	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	L	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	G	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	L	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	G	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	L	T	G	Q	L	R	G	V	H	G	V	I	P	A	V	L	A	A	K	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																					

NTDB id	1323	RAOC RS07335 WP	004916218.1	IKEVIDFFNEICPTEPTKVNTREEFHKRVNLFPFDFSEVKGGQETAKRAMEVAAGGHNHILIGPPGSGKTMIAKRIPSI	238
NTDB id	1271	LPP RS03220 WP	011213198.1	IREVCDYLCCGTSLQSLPPKPDLL...LLNNYELDWSIDIKQQQHAKNAMVIAACGGHSILLSCAPGSGKTMAKRFSTLL	235
NTDB id	1248	GCO85 RS03150 WP	011213198.1	IREVCDYLCCGTSLQSLPPKPDLL...LLNNYELDWSIDIKQQQHAKNAMVIAACGGHSILLSCAPGSGKTMAKRFSTLL	235
NTDB id	1016575	ABXU53 RS27770 WP	003098248.1	LLEIAGHLSSGNAPPYPYQARGLLL...RAPFPYPDLAEVQGQAIAAKRALLVAAAGAHHNLLSGPPGTGKTLASRLPGLL	235
NTDB id	1397	DSB67 RS15690 WP	005535577.1	LLEVCAEILCGGHQLNLYQTTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1153	A1552VC RS00115 WP	000521788.1	LLEVCAEILCGGHQLNLYQTTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1349	HI 1117 AAC22771.1		LLDVVQFLNGQEKLPLATEIVKESAVNFSGKNITLDTLDIIIGQQHAKRALTIAAAGQHNNLLFLGPPGTGKTMLASRLTGLL	239
NTDB id	1387	A4U84 RS06900 WP	020457569.1	LLQVVNFIENNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIIGQQHAKRALTIAASGQHNNLLFLGPPGTGKTMLASRLDLL	238
consensus				* ** * * * * ! ! * * * * ! ! * * * ! * ! * * * * ! * * * * * ! * ! * ! * ! * ! * ! * ! * * !	

[illegible]

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NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
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consensus
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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus

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