

[illegible]

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 1016541	ABXU55 RS27495 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	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																					

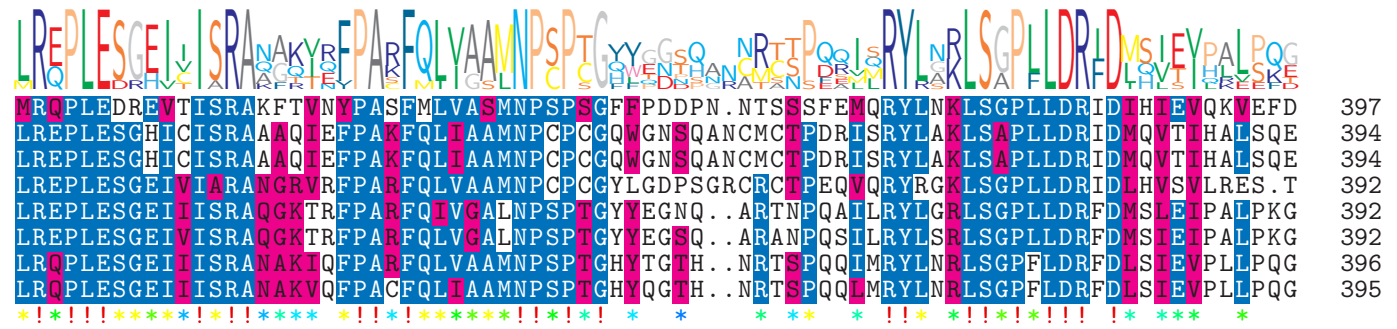
NTDB id	1323	RAOC RS07335 WP	004916218.1	IKEVIDFFNEICPTEPTKVNTREEEFHKRVNLFPPFDFSEVKGGQETAKRAMEVAAGGHNHILIGPPGSGKTMIAKRIPSIIL	238
NTDB id	1271	LPP RS03220 WP	011213198.1	LREVCDYLCCGTSLQSLPPPKPDL...LLNNYELDWSIDIKQQQHAKNAMVIAACGGHSILLSCAPGSGKTMMAKRFSTLL	235
NTDB id	1248	GCO85 RS03150 WP	011213198.1	LREVCDYLCCGTSLQSLPPPKPDL...LLNNYELDWSIDIKQQQHAKNAMVIAACGGHSILLSCAPGSGKTMMAKRFSTLL	235
NTDB id	1016541	ABXU55 RS27495 WP	003098248.1	LLEIAGHLSSGNAPPYPYQARGLLL...RAPFPYPDLAEVQGQAAAKRALLVAAAGAHHNLLSGPPGTGKTLASRLPGLL	235
NTDB id	1397	DSB67 RS15690 WP	005535577.1	LLEVCAEILCGGHQLNLQTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1153	A1552VC RS00115 WP	000521788.1	LLEVCAEILCGGHQLNLQTPKKK...ELKAHGRDLQDIIGQQQCKRALEIAAAGNHNLLFLGPPGTGKTMLASRLCDLL	235
NTDB id	1349	HI 1117 AAC22771.1		LLDVVQFLNGQEKLPLATEIVKESAVNFSGKNITLDLTDIIIGQQHAKRALTIAAAGQHNNLLFLGPPGTGKTMLASRLTGLL	239
NTDB id	1387	A4U84 RS06900 WP	020457569.1	LLQVVNFIENNRDQLPIAQQLSQNIAEN.RPLVSRDLTDIIIGQQHAKRALTIAASGQHNNLLFLGPPGTGKTMLASRLADLL	238
consensus				* ** * * * * ! ! * * * * ! ! * * * ! * * * * * ! * * * * * * ! * ! * ! * ! * ! * ! * ! * ! * ! * ! *	

[illegible]

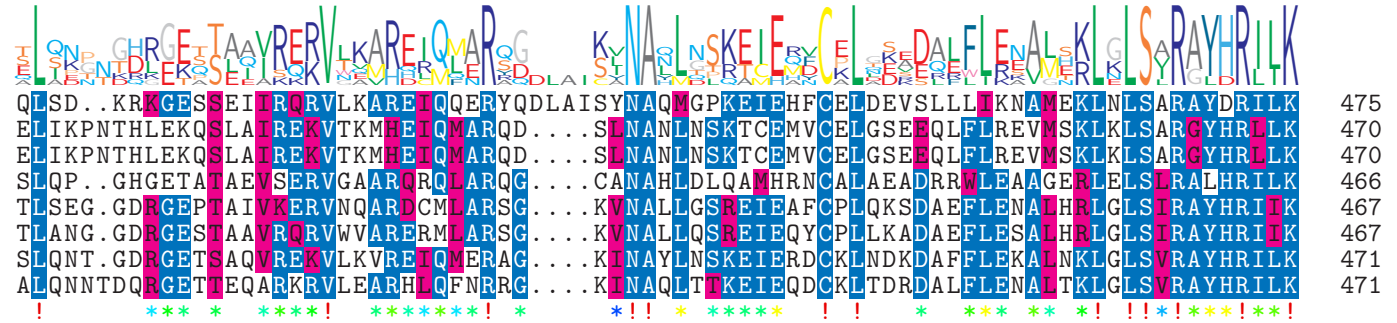
```

NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1016541 ABXU55 RS27495 WP 003098248.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus

```



```
NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1016541 ABXU55 RS27495 WP 003098248.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus
```



```
NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1016541 ABXU55 RS27495 WP 003098248.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus
```



- X non conserved
- X similar
- X $\geq 50\%$ conserved