

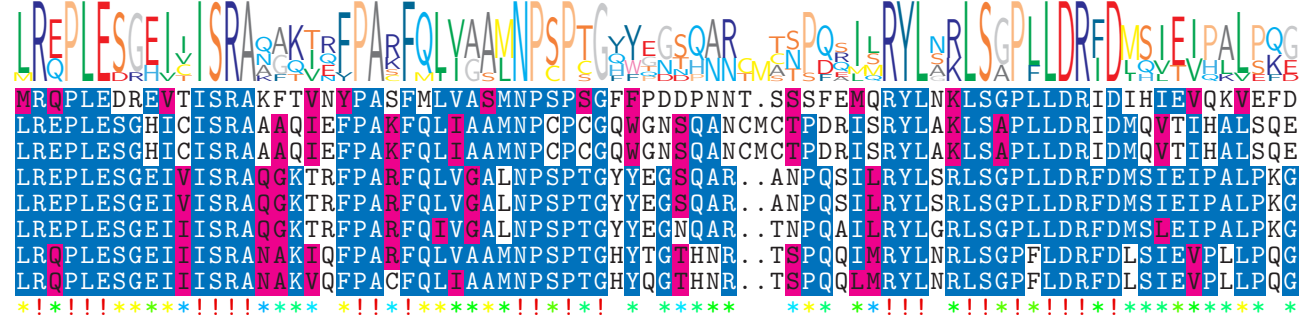
[illegible]

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTALGILAASGGTIIAPEIERVYLIMGELSLDGGGLQPIKGVLPATIRAREEGFGKIILPKQNRTREAAIIVNDLEVVGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAIIPAVLAAHK.DNQHLIIANANAEEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAIIPAVLAAHK.DNQHLIIANANAEEASLTGHQKVFTANN	159
NTDB id	1062515	ACG4IP RS00100 WP 000521788.1	FDLPIALGILAASDQIARNKLSEYEFIGELALSGETRGVKGPLPAAALANQ.VERCLVVPHSNGDQAALVGVERHKSQAQS	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDLPIALGILAASDQIARNKLSEYEFIGELALSGETRGVKGPLPAAALANQ.VERCLVVPHSNGDQAALVGVERHKSQAQS	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDKLKNYEFGELALSSELTRGVKGPLPAAALANK.KQRHLVVPHANCDQAALVGKEQHKSQAQS	159
NTDB id	1349	HI 1117 AAC22771.1	FDLPIAIGILAASGDLDASHKQFEFVAELATGQLRGVHGVIIPAIIAAQK.SKRELIIAKQNAANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDLPIAIGILAASQQIDSDKLKRIFELLGELSLTGHLRGVHGAIIPAVLAASK.AKREIIVPQQNANEVSLVSNTQTYYCAST	159
consensus			*!!*!!*!!!!!!*!* * *!***!!*!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

NTDB id 1323 RAOC RS07335 WP 004916218.1	IKEVIDFFNECPLEPTKVNTREEEFHKRVNLFPFDFSEVKGGETA	AKRAVEVA	AAAGGHNILILGPPGSG	GKTM	LAKRIPSIL	238
NTDB id 1271 LPP RS03220 WP 011213198.1	LREVCYLCQGTSLQSLPPKPDLL...LLNNYELD	WSDIKGQGHAKNAMV	IAACGGHSILLSCAPG	SGKTM	MAKRFTSL	235
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREVCYLCQGTSLQSLPPKPDLL...LLNNYELD	WSDIKGQGHAKNAMV	IAACGGHSILLSCAPG	SGKTM	MAKRFTSL	235
NTDB id 1062515 ACG4IP RS00100 WP 000521788.1	LLEVCADLCGGQTLSTFQSSPSV...QQVSQTRDL	QDIIGQQQCKRALE	IAAAGCHNLLFLGPPGTG	GKTM	LASRLCDLL	235
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LLEVCADLCGGQTLSTFQSSPSV...QQVSQTRDL	QDIIGQQQCKRALE	IAAAGCHNLLFLGPPGTG	GKTM	LASRLCDLL	235
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LLEVCADLCGGQTLSTFQSSPSV...QQVSQTRDL	QDIIGQQQCKRALE	IAAAGCHNLLFLGPPGTG	GKTM	LASRLCDLL	235
NTDB id 1349 HI 1117 AAC22771.1	LLDVVQFLNGGKEKLPLATEIVKESAVNFSGKNTL	DLTDIIGQQHAKRAL	IAAAGCHNLLFLGPPGTG	GKTM	LASRLTGLL	239
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LLQVVFNLNRRDQLPIAQLSQNIAEN.RPLVSR	DLTDIIGQQHAKRAL	IAAAGCHNLLFLGPPGTG	GKTM	LASRLADLL	238
consensus	*****	*****	*****	*****	*****	

NTDB id	1323	RAOC RS07335 WP 004916218.1	PPLTLKEAEETTKTHSVAGKMGAETSMTIRPFRSPHHTISDVVALVGGGSYPQ	PGEISLAHNGLVFLDLMPEFKRTVLE	V	318
NTDB id	1271	LPP RS03220 WP 011213198.1	PELSETQAIECAAINSTRGKLDP.FREWRLPPFRAPHHTASPV	ALVGGGNPKPGEISLAHNGVLFLDELPEFNRRQVLET	S	314
NTDB id	1248	GC085 RS03150 WP 011213198.1	PELSETQAIECAAINSTRGKLDP.FREWRLPPFRAPHHTASPV	ALVGGGNPKPGEISLAHNGVLFLDELPEFNRRQVLET	S	314
NTDB id	1062515	ACG4IP RS00100 WP 000521788.1	PEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSMAA	LVGGGTTPRPGEISLAHNGLVFLDLMPEFERKVLDS	S	314
NTDB id	1153	A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQQEIN.QHNWKLRPFRAPHHSSMAA	LVGGGTTPRPGEISLAHNGLVFLDLMPEFERKVLDS	S	314
NTDB id	1397	DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASVASLTQSEIN.EHWNWKTRPFRAPHHSSMAA	LVGGGSVPRPGEISLAHNGLVFLDLMPEFDRKVLDS	S	314
NTDB id	1349	HI 1117 AAC22771.1	PEMTDLEATETASVTSLVQNELN.FHNWKKRPFRAPHHASMP	ALVGGGTTPKPGEISLATNGVLFLDELPEFERKVLDA	S	318
NTDB id	1387	A4U84 RS06900 WP 020457569.1	PEMEDDEAETASVTSLVQNELN.FQNWKKRPFRSPHHSASMV	ALVGGGSIPKPGEISLAHNGLVFLDELPEFERKVLDA	S	317
consensus			! * * * * *	* ! * * * * *	! * * * * *	

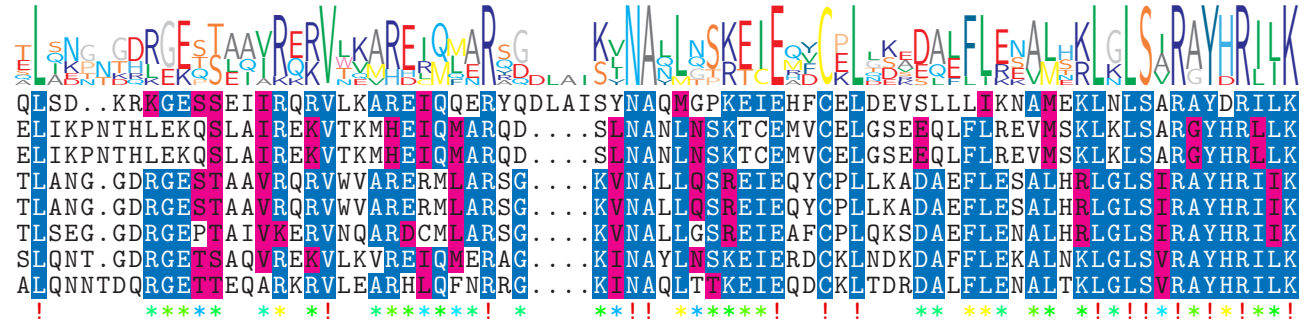
```
NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1062515 ACG4IP RS00100 WP 000521788.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 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 1062515 ACG4IP RS00100 WP 000521788.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
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 1062515 ACG4IP RS00100 WP 000521788.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
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