

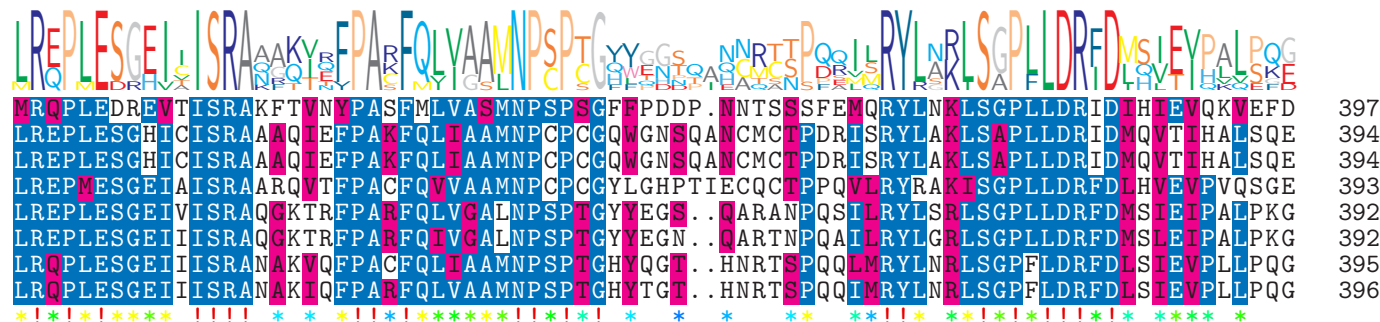
NTDB id	1323 RAOC RS07335 WP 004916218.1	.MLVVKVGYSAIHGVSAQTITTEVNVDQGV.GYHLVLGLPDNAIKESSHRISAAKKNVGYKLPGKKKITINMAPADLRKEGSA	78
NTDB id	1271 LPP RS03220 WP 011213198.1	MSLAFTKRSTIGTIVAQPVSEVEHLSNGLPSTFVMGLAETAVKESKDVRRSAIINSQFEFPCKRITVNLGPANLPKKTGS	80
NTDB id	1248 GC085 RS03150 WP 011213198.1	MSLAFTKRRTSIGTIVAPQVSVEVHLSNGLPSETFMVGLAETAVKESKDVRSAIINSQFEFPCKRITVNLGPANLPKKTGS	80
NTDB id	1003065 AAGD24 RS03685 WP 379866605.1	.MFAVVHTRASIGVASPSVTVEVHLSGGPLALSIVLGPETGVRESRRRSVALMNAGFEFPARRITINLAPADLPKEGGR	79
NTDB id	1153 A1552VC RS00115 WP 000521788.1	MGLAIIHSRASIGVQAAPPVTVEVHLSNCGMPGFLLVGLPETTVKESRDVRSAIINSRFEPFAKRITVNLAPADLPKEGGR	80
NTDB id	1397 DSB67 RS15690 WP 005535577.1	MGLAIIHSRASVGVQAAPSVEVHLSNCGMPGFLLVGLPETTVKESKDVRSAIVNSIFQPFAKRITVNLAPADLPKEGGR	80
NTDB id	1387 A4U84 RS06900 WP 020457569.1	MSLAIIYSRASIGVEAPLVITEVHSGGPSGLTLVGLPEKS VKEAQRDRRSALMNANFDYPARRITINLAPADLPKEGGR	80
NTDB id	1349 HI 1117 AAC22771.1	MSLAIVYSRASMGVAAPLVITEVHLSNGKPFGFTLVGLPEKTVKEAQRDRRSALMN AQFKVP AKRITVNLAPADLPKEGGR	80
consensus		* * * * *	

NTDB id 1323	RAOC RS07335 WP 004916218.1	YDI	ST	AL	G	I	L	A	A	S	G	Q	I	A	P	E	T	E	R	V	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	A	I	V	N	D	L	E	V	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	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	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	Q	K	V	F	T	A	N	159		
NTDB id 1003065	AAGD24 RS03685 WP 379866605.1	F	D	L	P	I	A	L	G	I	L	A	A	S	G	Q	I	A	P	E	S	L	A	Q	V	E	C	V	G	E	L	S	L	D	G	A	L	R	P	I	K	G	V	L	P	A	I	L	A	A	R	N	E	G	.	R	E	L	L	I	P	Q	A	N	A	A	E	A	L	A	S	A	S	D	D	V	L	P	A	G	H	158
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	V	E	F	I	G	E	L	A	L	S	G	E	I	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 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	C	D	Q	A	A	L	V	G	K	E	Q	H	K	S	A	Q	S	159	
NTDB id 1387	A4U84 RS06900 WP 020457569.1	F	D	L	P	I	A	L	G	I	L	A	A	S	D	Q	I	A	D	S	D	K	L	K	R	I	E	L	G	E	L	S	L	T	G	H	L	R	G	V	H	G	A	I	P	A	V	L	A	A	K	K	A	.	R	E	I	T	V	P	Q	Q	N	A	N	E	V	S	L	V	S	N	T	Q	T	Y	C	A	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	A	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	I	L	A	A	Q	K	S	K	.	R	E																								

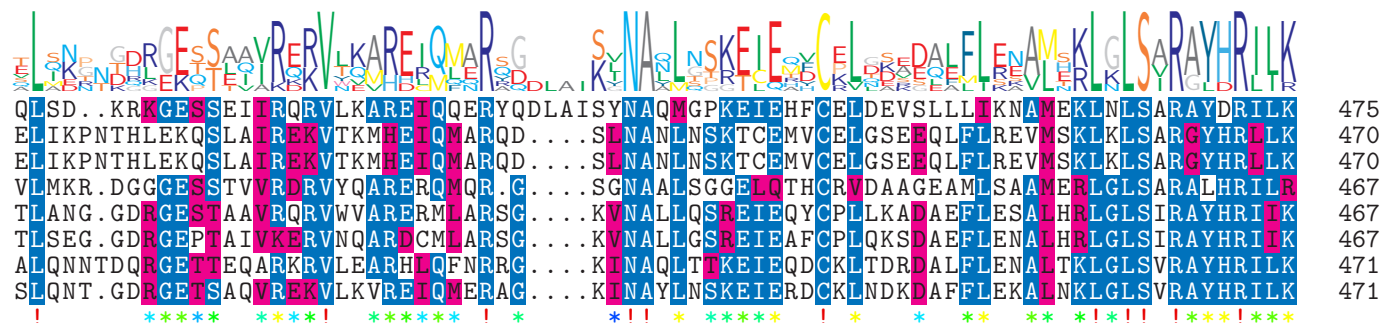
[illegible]

NTDB id	1323	RAOC RS07335 WP 004916218.1	PPLTLKEAETTKTHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGGEISLAHNGLVLFLDEMPFEKRTIVLEV	318
NTDB id	1271	LPP RS03220 WP 011213198.1	PELSETQAIECAAINSTRGKLPDF.REWRILPPFRAPHHTASPVALVGGGNPKPGGEISLAHHGVLFDELPEFNRRQVLET	314
NTDB id	1248	GCO85 RS03150 WP 011213198.1	PELSETQAIECAAINSTRGKLPDF.REWRILPPFRAPHHTASPVAVMGCGNPPKPGGEISLAHHGVLFDELPEFNRRQVLET	314
NTDB id	1003065	AAGD24 RS03685 WP 379866605.1	PPLTTESALEVASIHRSVAGHPVRD.GEWCRPPPVRAPPHHTASSVAVMVGSSSPRPGGEISLAHRGVLFDELPEFERRVLELV	313
NTDB id	1153	A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQEINQ.HNWIKLRPFPRAPHHSMAALVGGGTIPRPGEISLAHNGLLFLDEMPEFERKVLDLS	314
NTDB id	1397	DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASVASLTQSSEINE.HNWKTLPFRAPHHSMAALVGGGSVP RPGEISLAHNGLLFLDEMPEFD RKVLDLS	314
NTDB id	1387	A4U84 RS06900 WP 020457569.1	PEMEDDEAEETASVTSLVQNENNF.QNWKKRPFRSPHHSASMVALVGGGSTIPKPGEISLAHNGLVLFLDELPEFERKVLD A	317
NTDB id	1349	HI 1117 AAC22771.1	PEMTDLAEATETASVTS LVQNEINF.HNWIKQRFPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFDELPEFERKVLD A	318
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 1003065 AAGD24 RS03685 WP 379866605.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1
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 1003065 AAGD24 RS03685 WP 379866605.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1
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 1003065 AAGD24 RS03685 WP 379866605.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1
consensus

```



- X non conserved
- X similar
- X >50% conserved