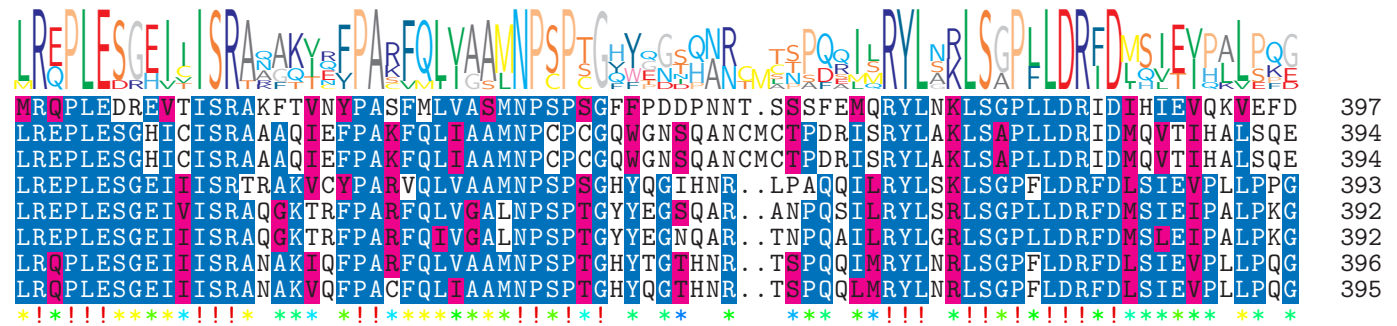


NTDB id 1323	RAOC RS07335 WP 004916218.1	.MLVVKVYGS	AIHGVSAQTITTEVNVDQGV	.GYHLVLGLPDNALKESSHRISAA	LKNVGYKLPGKKIT	INMAPADLRKEGSA	78
NTDB id 1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGIVAQPVSVEVHL	SNGLPSTFMVGLAETAVKES	KDRVRSALINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id 1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGIVAQPVSVEVHL	SNGLPSTFMVGLAETAVKES	KDRVRSALINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id 1108061	ACOAJ7 RS15600 WP 180743828.1	MSLAFTYTRAMIGVQAPDVYIEVHLS	SGGLPALTLVLGLPETVKEAR	DRVRSALINCGGFTFP	AKRITVNLAPADLP	KEGGR	80
NTDB id 1153	A1552VC RS00115 WP 000521788.1	MGLAIITHSRASIGVQAPPVTV	EVHLSNGMPGFTTLVGLPET	TVKESRDRVRSALINSR	FEFPAKRITVNLAPADLP	KEGGR	80
NTDB id 1397	DSB67 RS15690 WP 005535577.1	MGLAIITHSRASVGVQAPSVS	VEVHLSNGMPGFTTLVGLPET	TVKESKDRVRSALIVNS	IFGFP	AKRITVNLAPADLPKEGGR	80
NTDB id 1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQAPLV	TVIEVHLSNGKPGFTTLVGLPE	KTVKEAQDRVRSALMNA	FDYFP	AKRITVNLAPADLPKEGGR	80
NTDB id 1387	A4U84 RS06900 WP 020457569.1	MSLAIVYSRASMGVQAPLV	TVIEVHLSGGS	PGLTLVLGLPEKS	VKEAQDRVRSALMNA	FDYPARRITVNLAPADLPKEGGR	80
consensus		* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTALGILAASGGTIIAPEIERVYLIMGELSLDGGGLQPIKGVLPPIATRAREEGFGKITILPKQNRTREAAIVNDLEVVGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPALPILGILAASEQIPLTNLANHEFIGELALSSELGRVSATIPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDPALPILGILAASEQIPLTNLANHEFIGELALSSELGRVSATIPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1108061	ACOAJ7 RS15600 WP 180743828.1	YDLPILAILAASEQIDGEKLRSRYEFLGELGLSGTLRGVNGAIPAALIAIKS.QRQLIIPDDNKREMTLIPQGREALMAGH	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPALPILGILAASEQIARNKLESYEFIGELALSSEIRGVKGVLPAALAAANQV.ERCLVVPHSNCDQAALVGVERHKSACS	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPALPILGILAASEQIATDKLKNYEFVGELALSSELGRVTVKGVLPAAALAAKK.QRHLLVVPHANCDQAALVGKEQHKSACS	159
NTDB id	1349	HI 1117 AAC22771.1	FDPILPILGILAASEQILDASHKQFEFVAELATGQLRGVHGVIPIALAAQKS.KRELIIAKQNANAESLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDPILPILGILAASQQLDSDKLKRIIEELLGELSLTGHLRGVHGAIPIAVLAASKA.KRETIIVPQQNANEVSLVSNLTQTYCAST	159
consensus			*!!*!!**!!!!!!*!* * *!***!!*!*****!!*!*****!!*!*****!!*!*****!!*!*****!!*!	

NTDB id 1323	RAOC RS07335 WP 004916218.1	I	K	E	V	I	D	F	F	N	E	N	C	P	E	P	T	K	V	N	T	R	E	E	F	H	K	R	V	N	L	F	P	F	D	F	S	E	V	K	G	Q	E	T	A	K	R	A	M	E	V	A	A	A	G	G	H	N	I	L	I	G	P	P	G	S	G	K	T	M	L	A	K	R	I	P	S	I	L	238
NTDB id 1271	LPP RS03220 WP 011213198.1	L	R	E	V	C	D	I	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	L	L	N	N	Y	E	L	D	W	S	D	I	K	G	Q	Q	H	A	K	N	A	M	V	I	A	A	C	G	G	H	S	I	L	L	S	C	A	P	G	S	G	K	T	M	A	K	R	F	S	T	L	235				
NTDB id 1248	GC085 RS03150 WP 011213198.1	L	R	E	V	C	D	I	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	L	L	N	N	Y	E	L	D	W	S	D	I	K	G	Q	Q	H	A	K	N	A	M	V	I	A	A	C	G	G	H	S	I	L	L	S	C	A	P	G	S	G	K	T	M	A	K	R	F	S	T	L	235				
NTDB id 1108061	ACOAJ7 RS15600 WP 180743828.1	L	L	D	V	C	A	E	L	S	G	E	G	E	L	S	C	S	D	I	V	P	A	L	P	Q	S	E	E	D	V	L	D	L	K	D	I	I	G	Q	Q	K	R	A	L	E	I	A	A	A	G	G	H	N	I	L	I	G	P	P	G	T	G	K	T	M	L	A	S	R	L	G	N	L	M	236				
NTDB id 1153	A1552VC RS00115 WP 000521788.1	L	L	E	V	C	A	D	I	L	C	G	Q	T	S	L	F	Q	S	S	P	S	V	L	L	Q	Q	V	S	Q	T	R	D	L	Q	D	I	I	G	Q	Q	K	R	A	L	E	I	A	A	A	G	N	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	C	D	L	235				
NTDB id 1397	DSB67 RS15690 WP 005535577.1	L	L	E	V	C	A	E	L	C	G	Q	H	L	N	L	Y	Q	T	P	K	K	L	L	E	L	K	A	H	G	R	D	L	Q	D	I	I	G	Q	Q	K	R	A	L	E	I	A	A	A	G	N	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	C	D	L	235					
NTDB id 1349	HI 1117 AAC22771.1	L	L	D	V	V	Q	F	L	N	G	Q	E	K	L	P	L	A	T	E	I	V	K	E	S	A	V	N	F	S	G	K	N	T	L	D	L	D	I	I	G	Q	Q	H	A	K	R	A	L	T	I	A	A	A	G	Q	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	T	G	L	239
NTDB id 1387	A4U84 RS06900 WP 020457569.1	L	L	Q	V	N	F	L	N	N	R	D	Q	L	P	I	A	Q	Q	L	S	Q	N	I	A	E	N	R	P	L	V	S	R	D	L	D	I	I	G	Q	Q	H	A	K	R	A	L	I	I	A	A	S	G	Q	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	A					

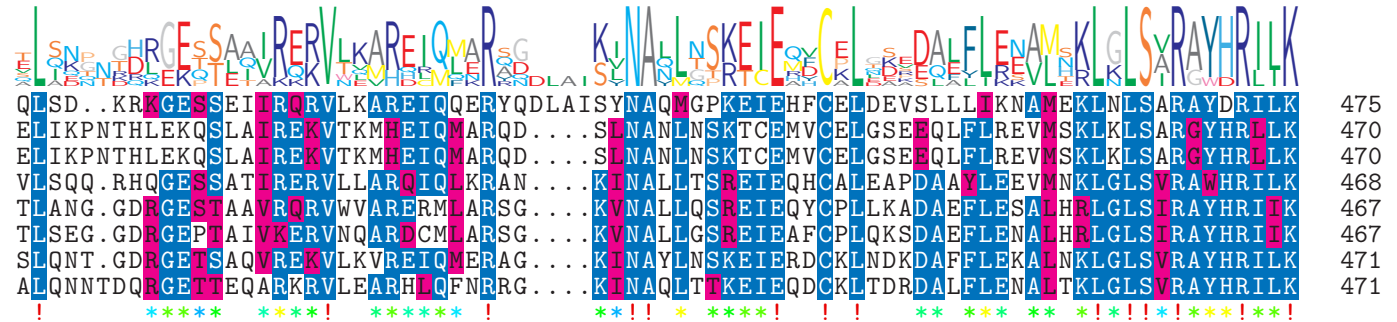
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NTDB id 1323 RAOC RS07335 WP 004916218.1
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NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
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NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus
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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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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

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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
NTDB id 1108061 ACQAJ7 RS15600 WP 180743828.1
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

```



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