

NTDB id	1323	RAOC RS07335 WP	004916218.1	.MLVVKVYGS AHGVSAQTITTEVNVDQGV.GYHLVLGLPDNAIKESSHRISAAAKNVGYKLPGKKKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP	011213198.1	MSLAFTKTRSTIGTIVAPQVSVEVHH.SNGLPSFMTVGCLAETAVKESKDVRRSAIINSQFEFPCKRITVINLGPANLPKTGSG	80
NTDB id	1248	GCO85 RS03150 WP	011213198.1	MSLAFTKTRSTIGTIVAQPVSVEVHLSNGLPSEFMVGCLAETAVKESKDVRSAIINSQFEFPCKRITVINLGPANLPKTGSG	80
NTDB id	1003780	ABG197 RS27505 WP	003098248.1	MSLAITHSRAGVGVEAPCVSVEAHLANGLPSLTIVGLPETAVRESKDVRRSALLINAGFDFFARRITLINLAPADLPKGGR	80
NTDB id	1397	DSB67 RS15690 WP	005535577.1	MGLAIITHSRASVGVQAAPSVSVEVHI.SNCMPGGFTLVGLPETT VKES KDVRSAI IVNSNFQFP AKRIT VIN LAP ADLP KE G GR	80
NTDB id	1153	A1552VC RS00115 WP	000521788.1	MGLAIITHSRASI GV QA PPVTVEVHLS.NC MP GG FT LV GL PET T V K E S R D VR SA I I NS RF EF PA KR IT VI N LA P A DL P KE G GR	80
NTDB id	1349	HI 1117 AAC22771.1		MSLAIVYSRASMGVQAPPLVTIEVHLSNCGKPGGFTLVGLPEKTVKEAQDVRVSALMNAQFKYPARKRITVINLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP	020457569.1	MSLAIVYSRASIGVEAPLVTIEVHSICGSPGLTLVLGLEPKSVKEAQDVRVSALMNANFYDPARRTINLAPADLPKEGGR	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	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 1003780	ABG197 RS27505 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	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																								

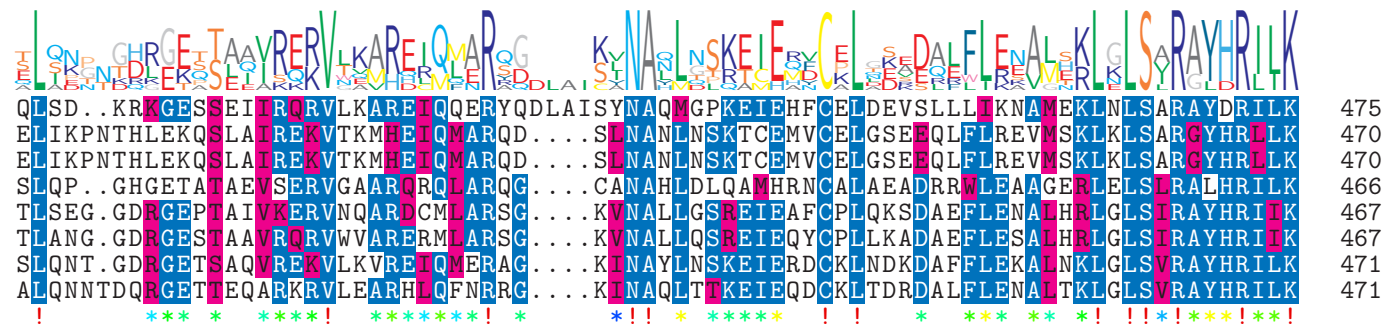
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NTDB id 1271	LPP RS03220 WP 011213198.1	L	R	E	V	C	D	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	...	L	L	N	N	Y	E	L	D	S	D	I	K	G	Q	Q	H	A	K	N	A	M	V	I	A	A	C	G	G	H	S	I	L	L	S	C	A	P	G	S	G	K	T	M	A	K	R	F	S	T	L	235				
NTDB id 1248	GC085 RS03150 WP 011213198.1	L	R	E	V	C	D	L	C	Q	G	T	S	L	Q	S	L	P	P	K	P	D	L	...	L	L	N	N	Y	E	L	D	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 1003780	ABG197 RS27505 WP 003098248.1	L	L	E	I	A	G	H	S	G	A	P	L	P	P	Y	A	R	G	L	L	...	R	A	P	F	P	Y	P	D	L	A	E	V	Q	Q	G	A	A	K	R	A	L	L	V	A	A	A	A	H	N	L	L	I	G	P	P	G	T	G	K	T	L	A	S	R	L	P	G	L	235								
NTDB id 1397	DSB67 RS15690 WP 005535577.1	L	L	E	V	C	A	E	L	C	G	H	Q	L	N	L	Y	Q	T	P	K	K	L	...	E	L	K	A	H	G	R	D	L	Q	D	I	I	G	Q	Q	Q	G	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 1153	A1552VC RS00115 WP 000521788.1	L	L	E	V	C	A	D	L	C	G	Q	T	L	S	L	F	Q	S	S	P	S	V	...	Q	Q	V	S	Q	T	R	D	L	Q	D	I	I	G	Q	Q	Q	G	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	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	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	T	D	I	I	G	Q	Q	H	A	K	R	A	L	I	I	A	A	S	G	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	D	L	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
NTDB id 1003780 ABG197 RS27505 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

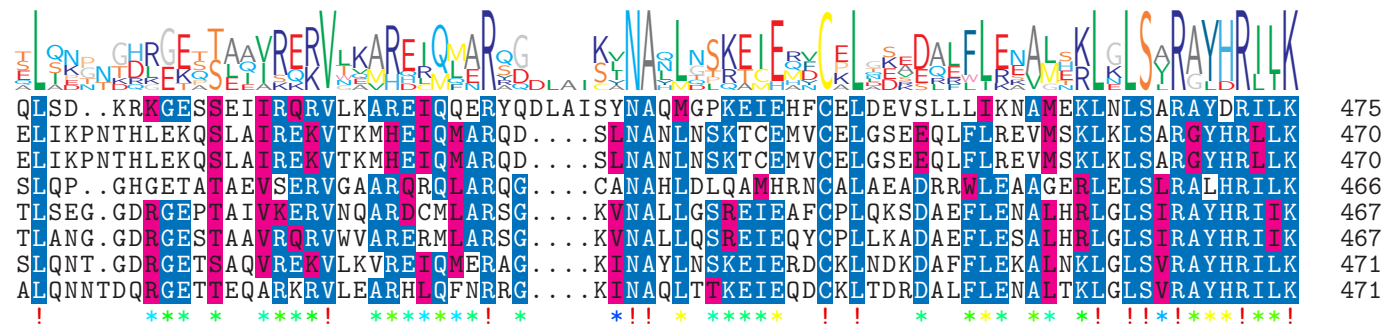
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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus

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NTDB id 1153 A1552VC RS00115 WP 000521788.1
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