

NTDB id 1323	RAOC RS07335 WP 004916218.1	.MLVVKVYGS	AIHGVSAQTITTEVNVDQGV	.GYHLVGLP	DNATIKESSHRISAA	KNVGYKLPGKKIT	INMAPADLRKEGSA	78
NTDB id 1271	LPP RS03220 WP 011213198.1	MSLAFTKTRSTIGIVA	QPPVSEVHLSNGLPSFT	MVGLAETAVKES	KDRVRSAINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id 1248	GC085 RS03150 WP 011213198.1	MSLAFTKTRSTIGIVA	QPPVSEVHLSNGLPSFT	MVGLAETAVKES	KDRVRSAINSQFEFPCRK	ITVNLGPANLPK	TGSG	80
NTDB id 1091115	ACL2XN RS19185 WP 413721635.1	MSLAITYRASIGVQAP	LISVEAHISKGLPGFTL	VGLPETATIKGARDVR	SALINNGFDFPARRITV	SLAPADLPKEGGR		80
NTDB id 1397	DSB67 RS15690 WP 005535577.1	MGLAIHHSRASVGVQ	APSVSEVHLSNCGMPG	FTLVGLPETTVKES	KDRVRSAINSNFQFPAK	RITVNLAPADLP	KEGGR	80
NTDB id 1153	A1552VC RS00115 WP 000521788.1	MGLAIHHSRASIGVQ	APPVTEVHLSNCGMPG	FTLVGLPETTVKES	KDRVRSAINSNRFQFPAK	RITVNLAPADLP	KEGGR	80
NTDB id 1349	HI 1117 AAC22771.1	MSLAIVYSRASMGVQ	APPLVTEVHLSNCKPG	FTLVGLPEKTVKEA	QDRVRSALMNAQFKYPAK	RITVNLAPADLP	KEGGR	80
NTDB id 1387	A4U84 RS06900 WP 020457569.1	MSLAITYRASIGVEA	PLVTIEVHISGSGPL	TLVGLPEKSVKEAQ	KDRVRSALMNAFQFPAK	RITVNLAPADLP	KEGGR	80
consensus		* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	* * * * *	

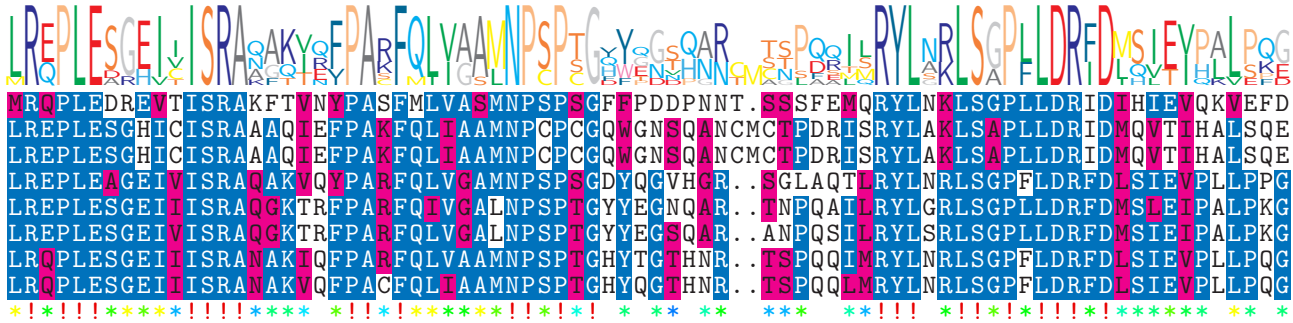
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NTDB id	1271	LPP RS03220 WP 011213198.1	FDLPIALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GCO85 RS03150 WP 011213198.1	FDLPIALGILAASSEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1091115	ACL2XN RS19185 WP 413721635.1	YDLPIALAIIAASEQIAADKLACHEFELGELALSSELGPVQQAIAPALAAQQA.GRRLLISSHNSGEAALTIDPSRVLVAGH	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDLPIALGILAASEQIATDKLKNYEFVIGELALSGLRLTVKGVLPAALAAANK.K.QRHLLVPHANGDQAALVGKEQHKSACS	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDLPIALGILAASeqIARNKLESYEFIGELALSSELTRGVKGVLPALAAANQV.ERCLVVPHSNGDQAALVGVERHKSACS	159
NTDB id	1349	HI 1117 AAC22771.1	FDLPIAIIAASAQQLDASHLKQFEFVAELATGQLRGVHGVPAPALAAQS.KRELTIKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDLPIAIIAASAQQLDSDKLKRIELLGELSITGHLRGVHGAIPAVLAASKA.KRETIIVPQQNANEASLVSNVTQTYCAST	159
consensus			*!!*!!**!!!!!!*!* * **!*!!*! * **** **!* * !! * * * * *	

NTDB id 1323	RAOC RS07335 WP 004916218.1	I	K	E	V	I	D	F	F	N	E	N	C	P	L	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	L	L	I	L	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	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 1091115	ACL2XN RS19185 WP 413721635.1	L	R	D	V	C	A	E	L	C	G	Q	H	L	N	L	V	A	P	P	G	D	P	T	...	P	P	A	Y	D	G	A	L	S	D	I	T	G	Q	P	Q	K	R	A	L	E	I	A	A	A	G	G	H	N	L	L	I	L	G	P	P	G	T	G	K	T	M	L	A	S	R	L	P	G	L	M		235					
NTDB id 1397	DSB67 RS15690 WP 005535577.1	L	L	E	V	C	A	E	L	C	G	Q	H	L	N	L	V	A	P	P	G	D	P	T	...	E	L	K	A	H	G	R	D	L	Q	D	I	I	G	Q	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 1153	A1552VC RS00115 WP 000521788.1	L	L	E	V	C	A	D	L	C	G	Q	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	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	T	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	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	Q	H	N	L	L	F	L	G	P	P	G																		

NTDB id 1323	RAOC RS07335 WP 004916218.1	PPLTLKEAEETTKHSVAGKMGAEISLMTIRPFRSPHHTISDV	ALVGGGSYPQ	PGEISLAHNGVLF	LDLMEPFKRTVLE	318	
NTDB id 1271	LPP RS03220 WP 011213198.1	PELSETGAECAAINSTRGKLDP.FREWILPPFRAPHHTASPV	ALVGGGNPPK	PGEISLAHNGVLF	LDLDELPEFNRQVLE	314	
NTDB id 1248	GC085 RS03150 WP 011213198.1	PELSETGAECAAINSTRGKLDP.FREWILPPFRAPHHTASPV	ALVGGGNPPK	PGEISLAHNGVLF	LDLDELPEFNRQVLE	314	
NTDB id 1091115	ACL2XN RS19185 WP 413721635.1	PPISDAEAEVETAAILSLSAGAA.RRHWRQRPFRAPHHSASMA	ALVGGGSLPR	PGEISLAHNGVLF	LDLDELPEFQRVLA	314	
NTDB id 1397	DSB67 RS15690 WP 005535577.1	PEMSDEEAMETASVASLTQSEIN.EHNWKT	TRPFRAPHHS	SMAALVGGGSVPR	PGEISLAHNGLLFLDLMEPFDRKVLDS	314	
NTDB id 1153	A1552VC RS00115 WP 000521788.1	PEMSDEEAMETASIASLTQQEIN.QHNWKL	RPFRAPHHS	SMAALVGGGTIPR	PGEISLAHNGLLFLDLMEPFERKVLDS	314	
NTDB id 1349	HI 1117 AAC22771.1	PEMTDLEAETASVTSLVQNELN.FHNWQ	RPFRAPHHSASMP	ALVGGGTIPK	PGEISLATNGVLF	LDLDELPEFERKVLDA	318
NTDB id 1387	A4U84 RS06900 WP 020457569.1	PEMEDDEAETASVTSLVQNELN.FQNWK	RPFRSPHHSASMV	ALVGGGSIPK	PGEISLAHNGVLF	LDLDELPEFERKVLDA	317
consensus		! * * * * *	! * * * * *	! * * * * *	! * * * * *		

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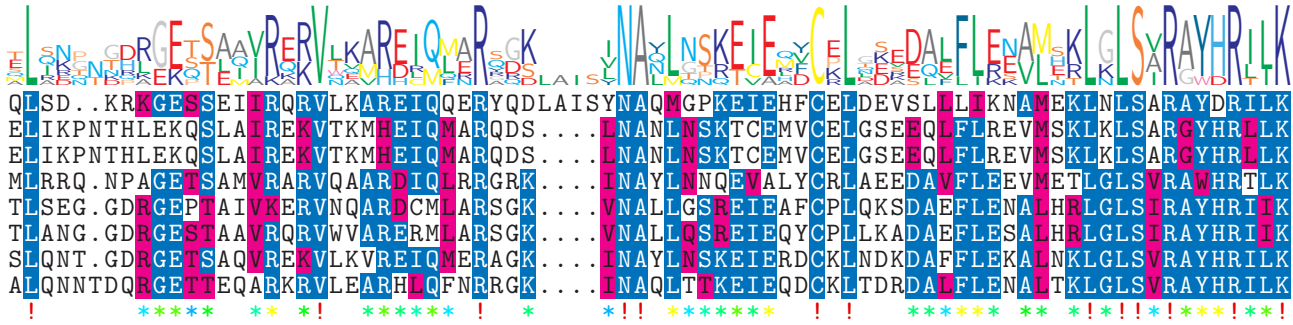
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NTDB id 1397 DSB67 RS15690 WP 005535577.1
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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



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NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
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NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



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NTDB id 1323 RAOC RS07335 WP 004916218.1
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NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



510
503
503
507
507
507
509
510

X non conserved
X similar
X ≥50% conserved