

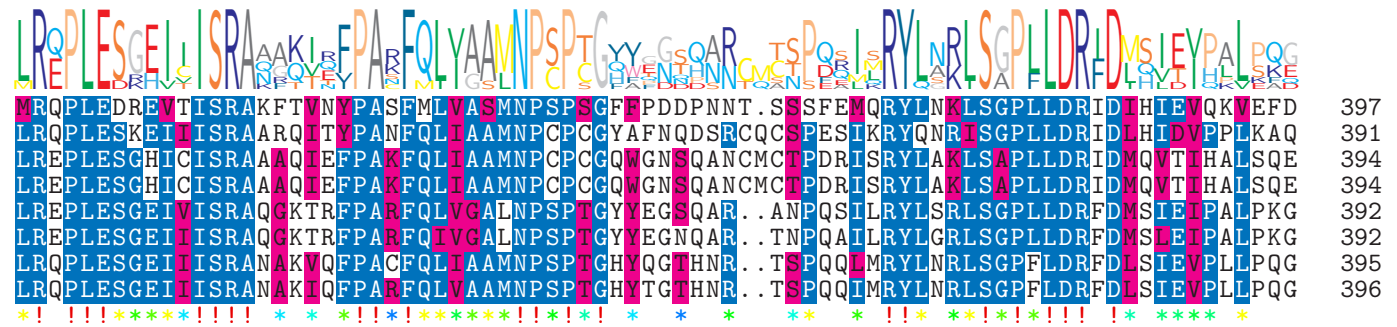
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NTDB id	1024809	AB3L00 RS16835 WP 104159681.1	MSEFSKIYTRCLLCIHAPLVLEVHVSGQLPSLTIVGLAEAAVRISKDRVRSAINSGFQFPPTKRILTINLAPADLPKGDSR	80
NTDB id	1271	LPP RS03220 WP 011213198.1	MSLAFTTKTRSTIGIVAQQPVSVVEVHLSNGLPSTFMVGLAETA VKESKDRVRSAINSGFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1248	GCO85 RS03150 WP 011213198.1	MSLAFTTKTRSTIGIVAQQPVSVVEVHLSNGLPSTFMVGLAETA VKESKDRVRSAINSGFEFPCRKITVNLGPANLPKTGSG	80
NTDB id	1153	A1552VC RS00115 WP 000521788.1	MGLATIHSTRASIGVQAAPPVTVEVHISNGMPGFTTLVGLPETTVKESRDRVRSAINSRFEFPAKRITVNLAPADLPKEGGR	80
NTDB id	1397	DSB67 RS15690 WP 005535577.1	MGLATIHSTRASVGVQAPSVSVEVHISNGMPGFTTLVGLPETTVKESKDRVRSAINSNFQFPAKRITVNLAPADLPKEGGR	80
NTDB id	1387	A4U84 RS06900 WP 020457569.1	MSLATIYSRASIGVEAPLVITEVHTSGSPGLTLLVGLPEKSVKEAQRDRVRSALMNAFDYPARRITINLAPADLPKEGGR	80
NTDB id	1349	HI 1117 AAC22771.1	MSLATIYSRASIMGVQAAPLVITEVHLSNGKPGFTTLVGLPEKTVKEAQRDRVRSALMNAFDYPARRITVNLAPADLPKEGGR	80
consensus			* * * * * * * * * * ! * ! * * * * ! ! * * * * ! ! ! * * * * ! * * ! * * * ! * * ! * * ! * * ! * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTAIGILAASGGTIAPEIERVYLIMGELSLDGGGLQPIKGVLPPIATRAREEGFGKIILPKQNTREAAIVNDLEVYGVEN	158
NTDB id	1024809	AB3L00 RS16835 WP 104159681.1	LDPPIALGILTASGQLPENCTEDFEFIGELALDGHVPRVSGALTAMACQQ.AQHKLIVLPVDNSQDISHLPNLECYPVNH	159
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPPIALGILAASEQIPLTNLANHEFIFIGELALSGELRGVSATIPAVLAAHK.DNQHLIIANANAEEASLTGHQKVFTANN	159
NTDB id	1248	GCO85 RS03150 WP 011213198.1	FDPPIALGILAASEQIPLTNLANHEFIFIGELALSGELRGVSATIPAVLAAHK.DNQHLIIANANAEEASLTGHQKVFTANN	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPPIALGILAASDQIARNKLESVEFIFIGELALSGEIRGVKGVLPAALAANK.VERCLVVPHSNGDQAALVGVERHKSACS	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPPIALGILAASEQIATDKLKNYEFVFGELALSGGLRTPKGVLPALAANK.KQRHLVVPHANGDQAALVGKEQHKSACS	159
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NTDB id	1349	HI 1117 AAC22771.1	FDPPIAIGILAASDQIDASHLKQFEFVAELATGQLRGVHGVIPAIALAAQK.SKRELTIIAKQNAEEASLVSDQNTTYCACT	159
consensus			*!!*!!*!!!*!!*!* * *!!!!*! *!!!!* **** * * * * !! * * * * *	

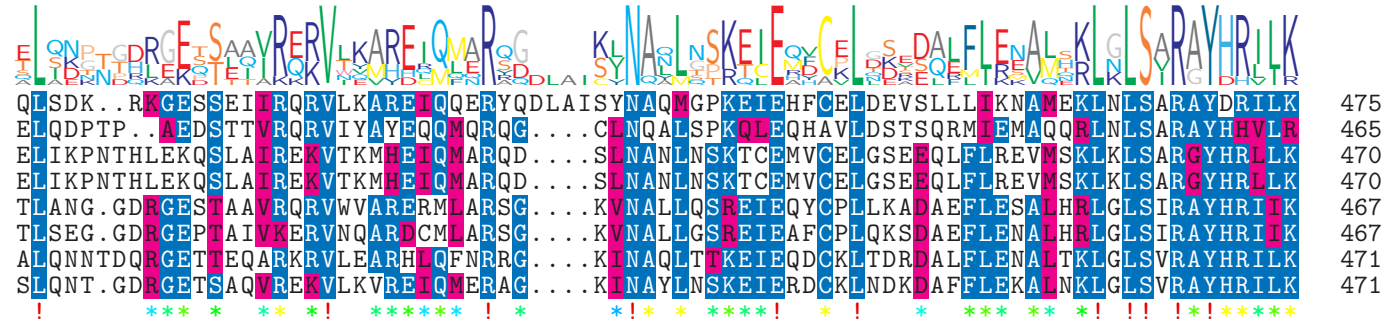
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NTDB id 1024809 AB3L00 RS16835 WP 104159681.1	LKEVCEHFLGTQKL	AHAQPSAHS...	NEMPYKFDLAD	VKGQLRPRRALE	IAAAGGHSLLF	KGPPGTGKTL	LASRLPSIL	235	
NTDB id 1271 LPP RS03220 WP 011213198.1	LREVC DYLCQGTSL	QSLPPKPDLL...	LLNNYELDWS	DIKGGQHAKNAMV	IAACGGHSIL	LSGAPSGKTM	MAKRFTSL	235	
NTDB id 1248 GC085 RS03150 WP 011213198.1	LREVC DYLCQGTSL	QSLPPKPDLL...	LLNNYELDWS	DIKGGQHAKNAMV	IAACGGHSIL	LSGAPSGKTM	MAKRFTSL	235	
NTDB id 1153 A1552VC RS00115 WP 000521788.1	LLEVCADLCGQQT	SLFQSSPSV...	QQVSQTRDL	QDIIGQQQCKRALE	IAAAGNHNLLF	LGPPTGKTM	LASRLCDLL	235	
NTDB id 1397 DSB67 RS15690 WP 005535577.1	LLEVC AELCGQHQL	NLYQTPKKK...	ELKAHGRDL	QDIIGQQQCKRALE	IAAAGNHNLLF	LGPPTGKTM	LASRLCDLL	235	
NTDB id 1387 A4U84 RS06900 WP 020457569.1	LQV VNFELNNRDQ	LPIAQQLSQNI	AE N.RPLVSRDL	TDIIIGQQHAKRAL	IAA	SGHNLLF	LGPPTGKTM	LASRLADLL	238
NTDB id 1349 HI 1117 AAC22771.1	LLDVVQFLNGQEK	ELPLATEIVKES	AVNFSGKNTL	LDITDIIGQQHAKRAL	IAAAGQHNLLF	LGPPTGKTM	LASRLATGLL	239	
consensus	* * * * *	!	!	* * * * *	!	* * * * *	!	* * * * *	

[illegible]

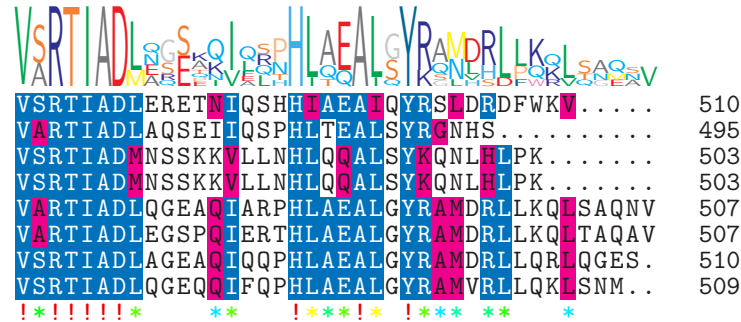
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NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 1024809 AB3L00 RS16835 WP 104159681.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
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NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
NTDB id 1349 HI 1117 AAC22771.1
consensus
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NTDB id 1323 RA0C RS07335 WP 004916218.1
NTDB id 1024809 AB3L00 RS16835 WP 104159681.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
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consensus
```



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



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