

NTDB id	1323	RAOC RS07335 WP	004916218.1	.MLVKKVYGS A IHGVSAQTITTEVNVDQGV.GYHLVLGLPDNATIKESSHRISAAAKNVGKLPKGKITINMAPADLRKEGSA	78
NTDB id	1271	LPP RS03220 WP	011213198.1	MSLAFTKTSTIGIVAQPVSVEVHI.SNGLPSFTHMGLAETAIVKESKDRVRSAIINSQFEFPCKRITVNLGPANLPKTGSG	80
NTDB id	1248	GCO85 RS03150 WP	011213198.1	MSLAFTKTSTIGIVAQPVSVEVHI.SNGLPSFTHMGLAETAIVKESKDRVRSAIINSQFEFPCKRITVNLGPANLPKTGSG	80
NTDB id	1091157	ACL2XM RS23185 WP	413721635.1	MSLAIIYTRASIGVQAPLISVEAHISKGLPGFTLVGLPETATIKGARDRVRSALINGFDFFPARITVSLAPADLPKEGGGR	80
NTDB id	1397	DSB67 RS15690 WP	005535577.1	MGLAIIHSRASVGVAQSPVSVEVHISNGMPGFHTLVGLPETHVKESKDRVRSAIVNSNFQFPAKRITVNLAPADLPKEGGGR	80
NTDB id	1153	A1552VC RS00115 WP	000521788.1	MGLAIIHSRASIGVQAAPPVTIVEVHISNGMPGFHTLVGLPETHVKESRDVRSAIINSRFEPFAKRITVNLAPADLPKEGGGR	80
NTDB id	1349	HI 1117 AAC22771.1		MSLAIVYSRASMGVQAPLVTIEVHLSNGKPFGFTLVGLPEKTVKEAQDVRVSALMNARFKYPARKRITVNLAPADLPKEGGGR	80
NTDB id	1387	A4U84 RS06900 WP	O20457569.1	MSLAIIYSRASIGVEAPLVTTIEVHISGKSPGLTFLVGLPEKS VKEAQRDVRVSALMNANFYDYPRRITINLAPADLPKEGGGR	80
consensus				* * * * *	

NTDB id	1323	RAOC RS07335 WP 004916218.1	YDLSTALGILAASGGTIIAPEITERYLIMGELSLDGGGLQPIKGVLPATIRAREEGFGKITLPKQNTREAAIVNDLEVYGVEN	158
NTDB id	1271	LPP RS03220 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1248	GC085 RS03150 WP 011213198.1	FDPILPALGILAASEQIPLTNLANHEFIGELALSSELGRVSAITPAVLAAHKD.NQHLLIANANAAEASLTGHQKVFTANN	159
NTDB id	1091157	ACL2XM RS23185 WP 413721635.1	YDLPILPALILAASEQIAADKLACHEFELGELALSSELRPVQQGAIPALAAQA.QRRLLISHSNSGEAALLPDGRSVLVAGH	159
NTDB id	1397	DSB67 RS15690 WP 005535577.1	FDPILPALGILAASEQIATDKLKNYEFVGELALSGLRLTVKGVLPAALAANK.KQRHLVVPHANGDQAALVGKEQHKSACS	159
NTDB id	1153	A1552VC RS00115 WP 000521788.1	FDPILPALGILAASDQIARNKLESYEFIGELALSSELRGVKGVLPALAANKV.ERCLVVPHSNCDQAALVGVERHKSACS	159
NTDB id	1349	HI 1117 AAC22771.1	FDPILPALGILAASDQLDASHKQFEFVAELATGQLRGVHGVPAPALAAQS.KRELTIKQNANEASLVSDQNTYFAQT	159
NTDB id	1387	A4U84 RS06900 WP 020457569.1	FDPILPALGILAASQQLDSDKLKRIELLGELSLTGHLRGVHGAIAPAVLAASKA.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	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 1091157	ACL2XM RS23185 WP 413721635.1	L	R	D	V	C	A	E	L	G	G	Q	H	L	N	L	V	P	G	Q	D	P	T	...	P	P	A	Y	D	G	A	L	D	S	D	I	T	G	Q	P	Q	A	K	R	A	L	E	I	A	A	A	G	G	H	N	L	L	I	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	G	G	Q	H	L	N	L	V	Q	T	P	K	K	...	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	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	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	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	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	H	N	L	L	F	L	G	P	P	G	T	G	K	T	M	L	A</										

NTDB id 1323 RAOC RS07335 WP 004916218.1 PPLTLKEAEETTKHSVAGKMGAETSMTIRPFRSPHHTISDVVALVGGSYPQPGGEISLAHNGLVFLDEMPFEKRTVLVE 318

NTDB id 1271 LPP RS03220 WP 011213198.1 PEISETTQAIECAAINSIRGKLDP.FREWILPPFRAPHHTASPVVALVGGNPNPKPGEISLAHHGVLFDELPEFNRRQVLET 314

NTDB id 1248 GC085 RS03150 WP 011213198.1 PELSETTQAIECAAINSIRGKLDP.FREWILPPFRAPHHTASPVVALVGGNPNPKPGEISLAHHGVLFDELPEFNRRQVLET 314

NTDB id 1091157 ACL2XM RS23185 WP 413721635.1 PPISDAEAEYETAALISLSMAGAA.RRHWRQRPFRAPHHSASMAALVGGSLLPRPGEISLAHNGLVFLDELPEFGRLVDA 314

NTDB id 1397 DSB67 RS15690 WP 005535577.1 PEMSDDEAMETASVASLTQEIN.EHNWKTTRPFRAPHHSSSMAALVGGSVP RPGEISLAHNGLLFLDEMPFEFDKRVLD S 314

NTDB id 1153 A1552VC RS00115 WP 000521788.1 PEMSDDEAMETASIASLTQEIN.QHNWKLRPFRAPHHSSSMAALVGGS TIPRGEISLAHNGLLFLDEMPFEFERKVLD S 314

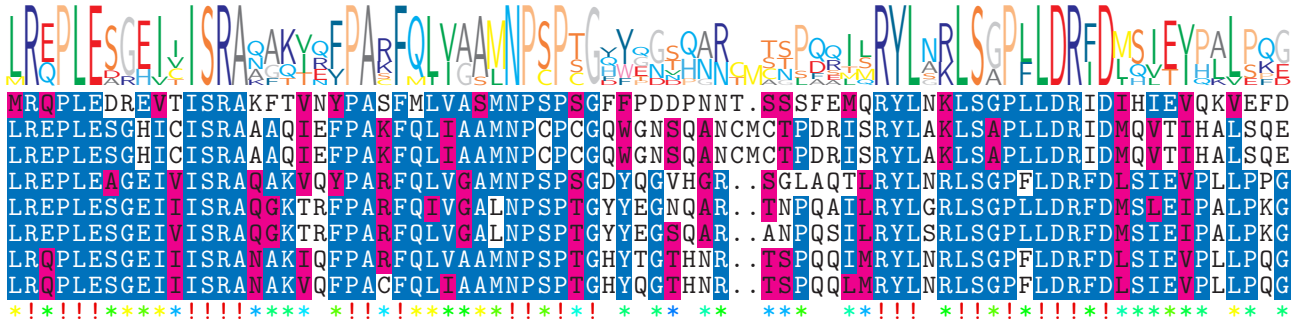
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NTDB id 1387 A4U84 RS06900 WP 020457569.1 PEMEDDEAETASVTSLVQNELN.FQNWKKRPFRSPPHSSASMV ALVGGS SIPKPGEISLAHNGLVFLDELPEFERKVLD A 317

consensus !**** *! *!* ** * **** * !! !!!!!! *!! *!!!! *! *

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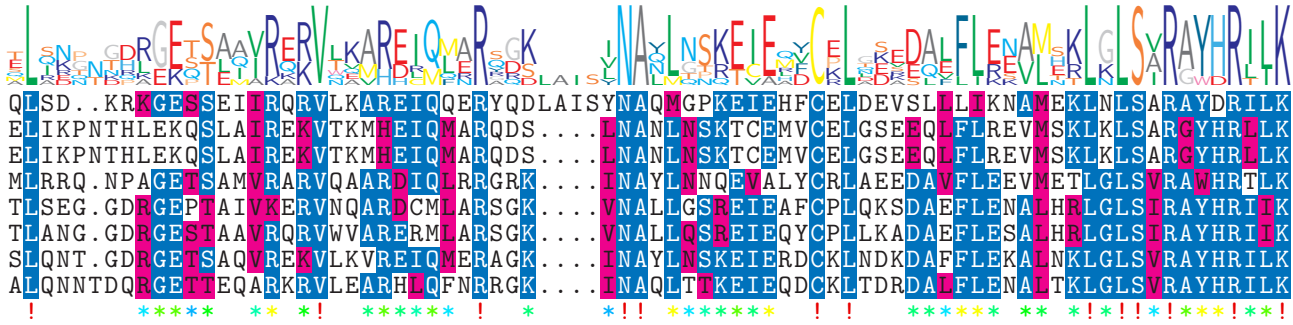
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NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1091157 ACL2XM RS23185 WP 413721635.1
NTDB id 1397 DSB67 RS15690 WP 005535577.1
NTDB id 1153 A1552VC RS00115 WP 000521788.1
NTDB id 1349 HI 1117 AAC22771.1
NTDB id 1387 A4U84 RS06900 WP 020457569.1
consensus



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NTDB id 1323 RAOC RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1091157 ACL2XM RS23185 WP 413721635.1
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 1323 RAOC RS07335 WP 004916218.1
NTDB id 1271 LPP RS03220 WP 011213198.1
NTDB id 1248 GC085 RS03150 WP 011213198.1
NTDB id 1091157 ACL2XM RS23185 WP 413721635.1
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



510
503
503
507
507
507
509
510

X non conserved
X similar
X ≥ 50% conserved