

NTDB id 108	BSU 35470 NP 391427.1	MNVPVEKNSSFSKELQQTLSR	RHLLRTELSFSD	EMIEWHIKNGYITAENS	SISIN	KRRYRCNRCGQ	TDQRYFSFYHSSGKNKL	YCR	85
NTDB id 68573	LEUCM RS09625 WP 052039239.1	MGQQVIA		CGRQFTAAQ	..	LADTQN.NNYSLPQIKRR	PAFLRVKHLVLCQRCCQVVP	QTC....LPDGRHYCA	66
NTDB id 615	LCA RS02545 WP 011374200.1	MGQQVIA		CGRQFTAAQ	..	LADTQN.NNYSLPQIKRR	PAFLRVKHLVLCQRCCQVVP	QTC....LPDGRHYCA	66
NTDB id 167	SP RS11275 WP 000867616.1	MKVNLDY		LGRLFTENE	..	LTEEE	RQLAEKLPAMRKEGKGLFCQRCNSTILEEWY	LPIGAYYCR	61
NTDB id 277	KZH43 RS10090 WP 000867601.1	MKVNLDY		LGRLFTENE	..	LTEEE	RQLAEKLPAMRKEGKGLFCQRCNSTILEEWY	LPIGAYYCR	61
NTDB id 236	SPD RS10765 WP 000867601.1	MKVNLDY		LGRLFTENE	..	LTEEE	RQLAEKLPAMRKEGKGLFCQRCNSTILEEWY	LPIGAYYCR	61
NTDB id 202	SPR RS10250 WP 000867601.1	MKVNLDY		LGRLFTENE	..	LTEEE	RQLAEKLPAMRKEGKGLFCQRCNSTILEEWY	LPIGAYYCR	61
NTDB id 507	SM12261 RS09240 WP 000867722.1	MKVNPNY		LGRLFTENE	..	LTEEE	RQLAEKLPAMRKEGKGLFCQRCNSTILEEWY	LPIGTYYCR	61
NTDB id 535	SMSK321 RS10515 WP 000867726.1	MKVNPNY		LGRLFTENE	..	LTKEE	RQLAEKLPAMRKEGKGLFCQRCDSAILDEWY	LPIGAYYCR	61
consensus		*****		*****		*****	*****!!!!!!!!!!!!!!	*****	

NTDB id 108	BSU 35470 NP 391427.1	S	C	V	M	M	G	R	V	S	E	H	V	P	L	S	Y	S	K	E	E	N	S	N	W	K	S	I	K	L	T	W	D	G	K	L	S	S	G	Q	Q	K	A	A	N	V	L	I	E	A	T	S	K	K	E	E	L	L	I	W	A	V	C	G	A	G	K	T	E	M	L	F	P	G	I	E	S	A	L	N	Q	G	L	R	V		
NTDB id 68573	LEUCM RS09625 WP 052039239.1	Q	C	L	L	F	G	R	L	V	E	G	D	W	L	Y	T	V	P	E	C	H	L	F	E	N	N	I	P	K	L	T	W	E	G	Q	L	T	P	H	Q	E	Q	A	A	Q	A	V	V	E	V	V	Q	T	Q	K	R	H	V	L	T	A	V	T	G	A	G	K	T	E	M	L	F	Q	G	I	L	V	A	L	Q	K	G	Q	R	V	
NTDB id 615	LCA RS02545 WP 011374200.1	Q	C	L	L	F	G	R	L	V	E	G	D	W	L	Y	T	V	P	E	C	H	L	F	E	N	N	I	P	K	L	T	W	E	G	Q	L	T	P	H	Q	E	Q	A	A	Q	A	V	V	E	V	V	Q	T	Q	K	R	H	V	L	T	A	V	T	G	A	G	K	T	E	M	L	F	Q	G	I	L	V	A	L	Q	K	G	Q	R	V	
NTDB id 167	SP RS11275 WP 000867616.1	E	C	L	L	M	K	R	V	R	S	D	Q	T	L	Y	F	F	P	Q	E	D	F	P	K	Q	.	.	.	D	V	L	K	W	R	G	Q	L	T	P	F	Q	E	K	V	S	E	G	L	L	Q	V	A	D	K	Q	K	P	T	L	V	H	A	V	T	G	A	G	K	T	E	M	I	Y	Q	V	V	A	K	V	I	N	A	G	G	A	V
NTDB id 277	KZH43 RS10090 WP 000867601.1	E	C	L	L	M	K	R	V	R	S	D	Q	T	L	Y	F	F	P	Q	E	D	F	P	K	Q	.	.	.	D	V	L	K	W	R	G	Q	L	T	P	F	Q	E	K	V	S	E	G	L	L	Q	V	A	D	K	Q	K	P	T	L	V	H	A	V	T	G	A	G	K	T	E	M	I	Y	Q	V	V	A	K	V	I	N	A	G	G	A	V
NTDB id 236	SPD RS10765 WP 000867601.1	E	C	L	L	M	K	R	V	R	S	D	Q	T	L	Y	F	F	P	Q	E	D	F	P	K	Q	.	.	.	D	V	L	K	W	R	G	Q	L	T	P	F	Q	E	K	V	S	E	G	L	L	Q	V	A	D	K	Q	K	P	T	L	V	H	A	V	T	G	A	G	K	T	E	M	I	Y	Q	V	V	A	K	V	I	N	A	G	G	A	V
NTDB id 202	SPR RS10250 WP 000867601.1	E	C	L	L	M	K	R	V	R	S	D	Q	T	L	Y	F	F	P	Q	E	D	F	P	K	Q	.	.	.	D	V	L	K	W	R	G	Q	L	T	P	F	Q	E	K	V	S	E	G	L	L	Q	V	A	D	K	Q	K	P	T	L	V	H	A	V	T	G	A	G	K	T	E	M	I	Y	Q	V	V	A	K	V	I	N	A	G	G	A	V
NTDB id 507	SM12261 RS09240 WP 000867722.1	E	C	L	L	M	K	R	V	R	S	D	Q	S	L	Y	F	F	P	Q	E	D	F	P	K	Q	.	.	.	D	V	L	K	W	R	G	Q	L	T	P	F	Q	E	K	V	S	E	G	L	L	Q	V	A	D	K	Q	E	P	S	L	V	H	A	V	T	G	A	G	K	T	E	M	I	Y	Q	V	V	A	K	V	I	N	A	G	G	A	V
NTDB id 535	SMSK321 RS10515 WP 000867726.1	E	C	L	L	M	K	R	V	R	S	D	Q	V	L	Y	F	F	P	Q	E	D	F	A	K	Q	.	.	.	D	I	L	K																																																						

[illegible]

NTDB id 108	BSU 35470 NP 391427.1	KNSTLVYLSATPPKELKRKALNGQLHSVRIPARHHRKPLPEPRFVWCGNWKKKLNRNKIIPAVKRWIEFHVKEGRPVFLFVPVS	340
NTDB id 68573	LEUCM RS09625 WP 052039239.1	PQCALLYLTATPTPAIKRAIAAKQMTVSELPPLRFHGHLPEPHRHVAFNWRAQLKKGRLLPKRLERDCQTCLK.TQQILLFVPQVR	320
NTDB id 615	LCA RS02545 WP 011374200.1	PQCALLYLTATPTPAIKRAIAAKQMTVSELPPLRFHGHLPEPQRHVAFNWRAQLKKGRLLPKRLERDCQTYLK.TQQILLFVPQVR	320
NTDB id 167	SP RS11275 WP 000867616.1	ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSIEKQRKTAYPLLIFASEIK	312
NTDB id 277	KZH43 RS10090 WP 000867601.1	ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSIEKQRKTAYPLLIFASEIK	312
NTDB id 236	SPD RS10765 WP 000867601.1	ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSIEKQRKTAYPLLIFASEIK	312
NTDB id 202	SPR RS10250 WP 000867601.1	ENGLRIFLTATSTNELDKKVRLGELKRLNLPRRFHGNPLIIPKPIWLSDFNRYLDKNRLSPKLKSIEKQRKTAYPLLIFASEIK	312
NTDB id 507	SM12261 RS09240 WP 000867722.1	ENGLRIFLTATSTDDELDRKVRIGELKRLNLPRRFHGNPLIIPKPVLWSDFNHCLEKSRLSPKLKSIEKQRKTGYPLLIFASEIK	312
NTDB id 535	SMSK321 RS10515 WP 000867726.1	ENGLRIFLTATSTDDELDRKVRIGELKRLNLPRRFHGNPLIIPKPVLWSDFNRYLEKKCLSPKLKSIEKQRKTGYPLLIFASEIK	312
consensus		*****!?!*!* ***** !?!!*!***** !?!!*!***** !?!!*!***** !?!!*!***** !?!!*!	

logo

NTDB id 108 BSU 35470 NP 391427.1
NTDB id 68573 LEUCM RS09625 WP 052039239.1
NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 167 SP RS11275 WP 000867616.1
NTDB id 277 KZH43 RS10090 WP 000867601.1
NTDB id 236 SPD RS10765 WP 000867601.1
NTDB id 202 SPR RS10250 WP 000867601.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus



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logo

NTDB id 108 BSU 35470 NP 391427.1
NTDB id 68573 LEUCM RS09625 WP 052039239.1
NTDB id 615 LCA RS02545 WP 011374200.1
NTDB id 167 SP RS11275 WP 000867616.1
NTDB id 277 KZH43 RS10090 WP 000867601.1
NTDB id 236 SPD RS10765 WP 000867601.1
NTDB id 202 SPR RS10250 WP 000867601.1
NTDB id 507 SM12261 RS09240 WP 000867722.1
NTDB id 535 SMSK321 RS10515 WP 000867726.1
consensus



463
445
445
432
432
432
432
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432

☐ non conserved
☒ similar
☒ ≥ 50% conserved