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NTDB id 115 BSU 16940 NP 389576.2	SVRLDVRRAEQLKQGN.D...V	MGNKTKIKVVKNKVAPPFR	TA	EVDIMYGEGISKEGELIDLGTELDIVQKSGSWYSYE	292						
NTDB id 1159505 QOS94 RS06095 WP 229251371.1	TVRLEVRRAEQIKNGT.D...V	GNRTKIKVVKNKVAPPFR	VA	EVDIMYGEGISQVGEIDMCGSEKDIVNKS	293						
NTDB id 625 LCA RS02525 WP 011374196.1	TVRLEVRRAEQIKNGT.D...M	GNRARIKVVKNKVAPPFR	VA	EVDIMYGGISRTGELVDMAVEKDIINKS	294						
NTDB id 600 KW2 RS01765 WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKQT	CKITKIKVVKNKVAPPFR	KV	ALVDIMFEGEGISSTGELLNIAVEEGTI	312						
NTDB id 269 KZH43 RS08665 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKE	TNMGKETKIKVVKNKVAPPFR	KE	AVVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 228 SPD RS09265 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKE	TNMGKETKIKVVKNKVAPPFR	KE	AVVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 194 SPR RS08825 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKE	TNMGKETKIKVVKNKVAPPFR	KE	AVVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 159 SP RS09750 WP 001085462.1	SVRLDVRGNTQIKGTG.DQKE	TNMGKETKIKVVKNKVAPPFR	KE	AVVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 499 SM12261 RS08315 WP 078228268.1	SVRLDVRGSTQIKGTG.DQKD	TNMGKETKIKVVKNKVAPPFR	KE	AFVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 527 SMSK321 RS11065 WP 001085454.1	SVRLDVRGSTQIKGTG.DQKD	TNMGKETKIKVVKNKVAPPFR	KE	AFVEIMYGEGISKTGELLKIASDLDI	311						
NTDB id 453 Spy49 1753c ACI62003.1	SVRLDVRGTTQIKGTG.DQK	SSITGKETKIKVVKNKVAPPFR	KV	AEEVIMYGEGISRTGELVKIASDLDI	311						
NTDB id 408 SMU RS09530 WP 002262392.1	SVRLDVRGNTQIKGTG.EQK	DSNMGKETKIKVVKNKVAPPFR	KE	AFVEIITYGEGISRTGELVKIASDLDI	311						
NTDB id 1313 DR RS12030 WP 010888966.1	SVRLDVRKIGQ...PTKVG	NDAVANTVKTIKTVKNKVA	APPF	KEVELALVYCKGFDQLSDLVGLAADMDI	307						
NTDB id 1245 Cj1673c YP 002345041.1	SVRLDVRKIVAT...L.KQN	EEPIGNRVKIKVVKNKVAPPFR	QA	EFDVMEFGEGLSREGELIDYGVKLDIV	294						
NTDB id 1211 C694 RS00795 WP 000963128.1	SVRIDIRRIAS...L.KQN	EQHIGNRAKIKVVKNKVAPPFR	EA	EFDIMFEGEGISKEGELIDYGVKLDIV	296						
NTDB id 1214 NCTC11637 00359 SQJ03206.1	SVRIDIRRIAA...L.KQN	EQHIGNRAKIKVVKNKVAPPFR	EA	EFDIMFEGEGISKEGELIDYGVKLDIV	296						
NTDB id 1334 RA0C RS04870 WP 004918236.1	SVRIDIRRSLSDTGKIKDKS	GEVIGNRTKIKVVKNKVAPPFR	KA	EFDIMYGECSKVGELIDVATDLDI	307						
NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV...V.KDG	DEIIGSETKIKVVKNKVAPPFR	EV	QFDIMYGEGISRMNELILAEANGFI	310						
NTDB id 1130 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVIGNETRIVKVIKNKVAPPFR	QA	EFDILYGEGISWEGELIDIGVKNDI	294						
NTDB id 1124 NGFG RS03960 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVIGNETRIVKVIKNKVAPPFR	QA	EFDILYGEGISWEGELIDIGVKNDI	294						
NTDB id 1123 OK783 RS03845 WP 003688695.1	SVRLDIRRTGS...I.KKG	EEVIGNETRIVKVIKNKVAPPFR	QA	EFDILYGEGISWEGELIDIGVKNDI	294						
NTDB id 1427 RS RS02760 WP 011000510.1	SVRLDIRRIGS...I.KKG	EEVIGNETKIKVVKNKVAPPFR	EA	IFDILYGACVSRREGELIDLGVEAKV	302						
NTDB id 1165 A1552VC RS01565 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEVIGNETRIKVVKNKIAAPPF	KE	ANTQIMYGGCFNREGELIDLGVKHKM	293						
NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA...I.KEG	EEVIGNETRIKVVKNKIAAPPF	KE	ANTQIMYGGCFNREGELIDLGVKHKM	293						
NTDB id 1074 ABD1 RS10195 WP 000344167.1	SVRLDIRRIGQ...V.KEG	DEIVGSETKIKVVKNKMAPPFR	EA	IFQILYCKGTNQLGELVDLAVQQDI	293						
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ...V.KEG	DEIVGSETKIKVVKNKMAPPFR	EA	IFQILYCKGTNQLGELVDLAVQQDI	293						
NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA...V.KEG	EEVIGNETRIKVVKNKVAPPFR	QA	EFDILYCKGIYRNGELIDLGVQQGL	293						
consensus	*!!**!*!	*	**	*****!***!!*!!*!!*!	*	*****!*	***	*****	***	***	! !**!*!

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NTDB id	Accession	Sequence	Score
115	BSU 16940 NP 389576.2	348
1159505	QOS94 RS06095 WP 229251371.1	VLDLPEIEPEK	384
625	LCA RS02525 WP 011374196.1	.....	355
600	KW2 RS01765 WP 011675413.1	.....	387
269	KZH43 RS08665 WP 001085462.1	.....IEIEE	388
228	SPD RS09265 WP 001085462.1	.....IEIEE	388
194	SPR RS08825 WP 001085462.1	.....IEIEE	388
159	SP RS09750 WP 001085462.1	.....IEIEE	388
499	SM12261 RS08315 WP 078228268.1	.....IEIEE	384
527	SMSK321 RS11065 WP 001085454.1	.....IEIEE	384
453	Spy49 1753c ACI62003.1	.....IED..	378
408	SMU RS09530 WP 002262392.1	.....LED..	383
1313	DR RS12030 WP 010888966.1	.....	363
1245	Cj1673c YP 002345041.1	.....	343
1211	C694 RS00795 WP 000963128.1	.....	347
1214	NCTC11637 00359 SQJ03206.1	.....	347
1334	RAOC RS04870 WP 004918236.1	.....	343
1389	A4U84 RS07560 WP 021112712.1	.....	372
1130	NGFG RS03960 WP 003688695.1	.....	348
1124	NGFG RS03960 WP 003688695.1	.....	348
1123	OK783 RS03845 WP 003688695.1	.....	348
1427	RS RS02760 WP 011000510.1	.....	352
1165	A1552VC RS01565 WP 000344154.1	.....	354
1142	GTF74 RS11550 WP 000344154.1	.....	354
1074	ABD1 RS10195 WP 000344167.1	.....	349
1022	ACIAD RS06390 WP 004925639.1	.....	349
1205	PSJM300 05545 AFN77183.1	.....	347

consensus

- ⓧ non conserved
- ⓧ similar
- ⓧ ≥ 50% conserved