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NTDB id 60740 CTRC342 RS03510 WP 009872817.1	MSVP	DRKRALEAA	AY	IEKQ	FGAGS	IMSLG	KHSSAHE	ISTIK	TGALS	SLDL	ALGI	GGV	PKGR	61				
NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK....	KTNFDDIT	KKYGA	ERD	KALADAL	AL	IEKD	FGKGS	SLMRLG	EA	.ANQKV	SVSV	SSGSL	ALDIALGAGGY	PKGR	74		
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK....	PKKLEEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK....	PKKLEEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 194 SPR RS08825 WP 001085462.1	.MAKK....	PKKLEEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 159 SP RS09750 WP 001085462.1	.MAKK....	PKKLEEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 499 SM12261 RS08315 WP 078228268.1	.MAKK....	PKKLDEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK....	PKKLDEIS	KKFGA	ERE	KALNDAL	KL	IEKD	FGKGS	SIMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	SGGY	PKGR	73		
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK....	LKKNEEIT	KKFGD	ERR	KALDDAL	KN	IEKD	FGKGA	VMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	AGGY	PKGR	73		
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR....	IKKTEEIT	KKFGD	ERR	KALDDAL	KN	IEKD	FGKGA	VMRLG	ER	.AEQKV	QVMSS	GSLALDIALG	AGGY	PKGR	73		
NTDB id 115 BSU 16940 NP 389576.2	.....	MSDRQAAL	DMALKQ	IEKQ	FGKGS	SIMKLG	EK	.TDTRI	STVPS	GSLALD	I	ALGI	GGY	PRGR	58			
NTDB id 625 LCA RS02525 WP 011374196.1	.....	MAKDERQAAL	DAALKK	IEKN	FGKGS	SIMRM	G	EK	.VDTQV	STVSS	GSLALD	EALG	VGGY	PRGR	60			
NTDB id 1313 DR RS12030 WP 010888966.1		MSKDATKEIS	APTDAKERS	SKAT	ETAM	MSQIEK	A	FGKGS	SIMKLG	AE	.SKLDV	QVVST	GSLSLD	I	ALG	VGGI	PRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	.....	MDDNKRKSL	DAALKSL	DKT	IFGKCT	ILRLG	CDK	.EVEQI	DSIGT	GSVGLD	I	ALGI	GGV	PKGR	59			
NTDB id 1211 C694 RS00795 WP 000963128.1	.....	MAIDEDKQK	ATSLATKQ	IDKV	FGKCAL	VRLG	CDK	.QVEKI	DAIST	GSLGLD	I	ALGI	GGV	PKGR	61			
NTDB id 1214 NCTC11637 00359 SQJ03206.1	.....	MAIDEDKQK	ATSLATKQ	IDKV	FGKCAL	VRLG	CDK	.QVEKI	DAIST	GSLGLD	I	ALGI	GGV	PKGR	61			
NTDB id 1334 RA0C RS04870 WP 004918236.1	.....	MAKT..ETTSPND	DKKALAAV	LEK	LDKTY	GKCTVM	KLC	DGTVDHN	LEVIPS	GSLGLD	I	ALG	VGGY	PKGR	68			
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..	VKQVEPEQ	KKQALEAAL	AQIEKQ	FGKGS	SIMKLG	QT	.EQLDI	ESVST	GSLGLD	I	ALGI	GGL	PMGR	76			
NTDB id 1130 NGFG RS03960 WP 003688695.1	.....	MSDDKSKALAAAL	AQIEKS	FGKCAIMKMD	GSQQUEEN	LEVI	ST	GSLGLD	I	ALG	VGGI	PRGR	60					
NTDB id 1124 NGFG RS03960 WP 003688695.1	.....	MSDDKSKALAAAL	AQIEKS	FGKCAIMKMD	GSQQUEEN	LEVI	ST	GSLGLD	I	ALG	VGGI	PRGR	60					
NTDB id 1123 OK783 RS03845 WP 003688695.1	.....	MSDDKSKALAAAL	AQIEKS	FGKCAIMKMD	GSQQUEEN	LEVI	ST	GSLGLD	I	ALG	VGGI	PRGR	60					
NTDB id 1427 RS RS02760 WP 011000510.1	.MEDG.....	K..KAASMSA	EKKALAAAL	AQIEKQ	FGKGS	SIMKMG	DA	.EVEPV	QVVST	GSLGLD	I	ALG	VGGI	PRGR	68			
NTDB id 1165 A1552VC RS01565 WP 000344154.1	.....	MDENKQKALAAAL	GQIEKQ	FGKGS	SIMRLG	DN	.RAMDV	ETIST	GSLSLD	I	ALG	AGGL	PMGR	59				
NTDB id 1142 GTF74 RS11550 WP 000344154.1	.....	MDENKQKALAAAL	GQIEKQ	FGKGS	SIMRLG	DN	.RAMDV	ETIST	GSLSLD	I	ALG	AGGL	PMGR	59				
NTDB id 1205 PSJM300 05545 AFN77183.1	.....	MDENKRRALAAAL	GQIEKQ	FGKGA	VMRM	GDH	.DRQAIP	SI	ST	GSLGLD	I	ALGI	GGL	PKGR	59			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	.....	MDDNKS	KALQAALSQ	IEKQ	FGKNTVM	RLG	DN	.TVQAVEAV	ST	GSLTLD	I	ALGI	GGL	PKGR	59			
NTDB id 1074 ABD1 RS10195 WP 000344167.1		MDENKS	KALQAALSQ	IEKQ	FGKNTVM	RLG	DN	.TVQAVEAV	ST	GSLTLD	I	ALGI	GGL	PKGR	59			
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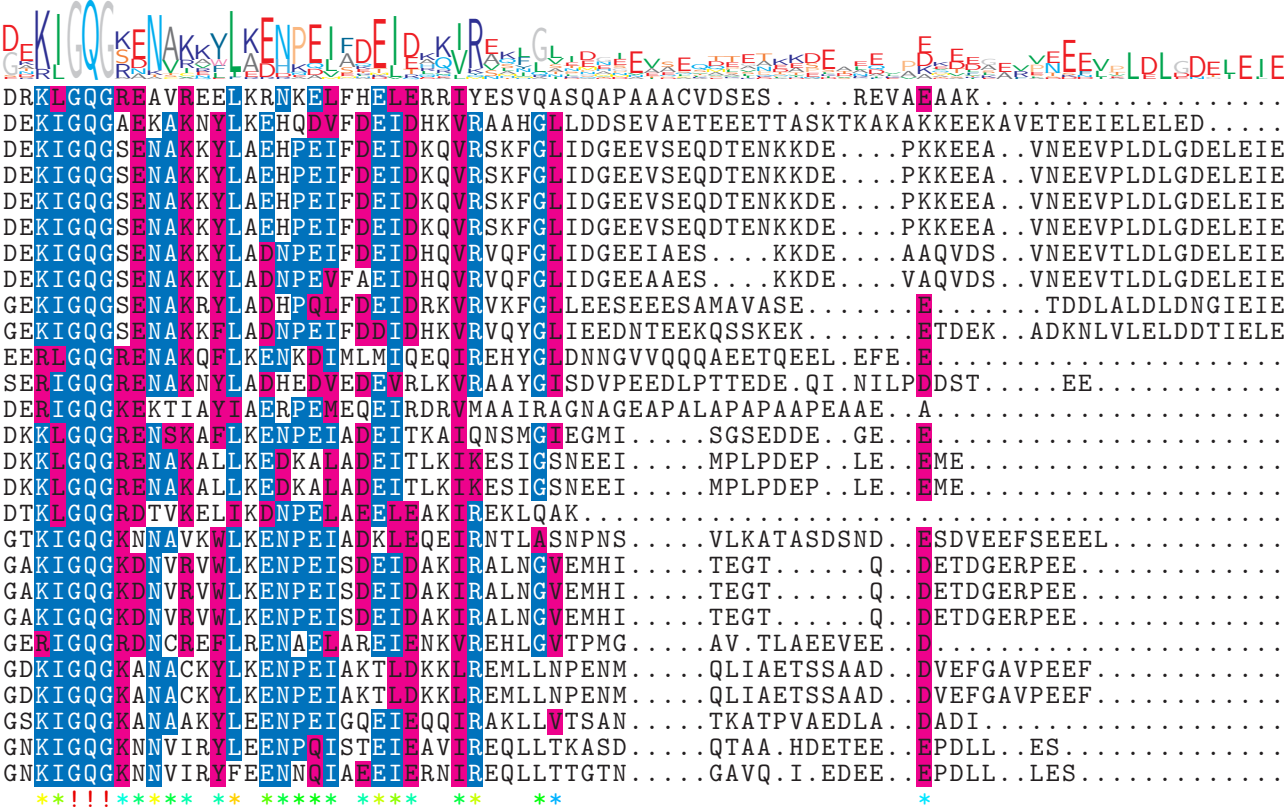
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NTDB id 60740	CTRC342	RS03510	WP 009872817.1	SVRLDIRRIGSIKGG...NFDICNRIKVKVAKNKIAPPFRTAEFDILENEGISSAGCIIIDLAVEKNIIDKKGSWENYQ	296
NTDB id 600	KW2	RS01765	WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTQIGKITKIKVVKNKVAPPFKVALVDIMFEGGISSTGELLNIAVEEGIIKKSGAWFAYN	312
NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 228	SPD	RS09265	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRGNTQIKGTG.DQKETNVGKETKIKVVKNKVAPPFKBAVVEIMYEGGISKTGELLKIASDLDIIKKAGAWYSYK	311
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSSTGKETKIKVVKNKVAPPFKBAEVEIMYEGGISKTGELVKIASDLDIIQKAGAWFSYN	311
NTDB id 408	SMU	RS09530	WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSNIGKETKIKVVKNKVAPPFKBAFVEIITYEGGISRTGELVKIASDLDGIIQKAGAWYSYN	311
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVRRAEQLKQGN....DVMGNKTKIKVVKNKVAPPFRTAEVDIMYEGGISKEGEIIDLGTELDIYQKSGSWYSYE	292
NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVRRAETIKNGT....DMICNRARTIKVVKNKVAPPFKVAEVDIMYCGGISRTGELVDMAVEKDIINKSGSWYSYG	294
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVRKIGQ....PTKVGNDAVANTVKKIKTVKNKVAAPFKEVELALVYCKGFDQLSDLVGLAADMDIIKKACSFYSYG	307
NTDB id 1245	Cj1673c	YP 002345041.1		SVRLDVRKIVAT....L.KQNEEPIGNRVKIKVVKNKVAPPFRQAEDIMYEGGISKEGEIIDYGVKLDIVDKSGAWFSYK	294
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRLDIRRIAS....L.KQNEQHIENRAKAKVVKNKVAPPFRBAEFDIMFEGGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRLDIRRIAA....L.KQNEQHIENRAKAKVVKNKVAPPFRBAEFDIMFEGGISKEGEIIDYGVKLDIVDKSGAWLSYQ	296
NTDB id 1334	RA0C	RS04870	WP 004918236.1	SVRLDIRRSLSDTGKIKDKSGEVIENRTKIKVVKNKVAPPFKSAEFDIMYEGGISKEGEIIDYGVKLDIVDKSGAWLSYQ	307
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIRRCGV....V.KGDDEIIGSETKIKVVKNKVAPPFRREVQFDIMYEGGISRMNELILAEANGFIKKSGAWFSYD	310
NTDB id 1130	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRIVKVIKNKVAPPFRQAEDIMYEGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRIVKVIKNKVAPPFRQAEDIMYEGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIRRTGS....I.KKGEEVLGNETRIVKVIKNKVAPPFRQAEDIMYEGGISWEGELIDIGVKNDIINKSGAWYSYN	294
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIRRIGS....I.KKGDEIVGNETKIKVVKNKVAPPFRBAIFDILYGCACVSRGEIIDLGVEAKVVEKSGAWYSYN	302
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPPFKBANTQIMYCGCFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1142	GTF74	RS11550	WP 000344154.1	SVRLDIRRTGA....I.KEGEEVVGNETRIKVVKNKIAAPPFKBANTQIMYCGCFNREGELIDLGVKHKMVEKSGAWYSYN	293
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIRRTGA....V.KEGDEIVGSETRVKVVKNKVAPPFRQAEDILYCKGIYENGEIIDLGVQQGLVEKSGAWYAYK	293
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIRRIGQ....V.KEGDEIIGSETKIKVVKNKMAPPFREAIIFQILYCKGVNQLGELVDLAVQQNTIVQKAGAWYSYQ	293
NTDB id 1074	ABD1	RS10195	WP 000344167.1	SVRLDIRRIGQ....V.KEGDEIVGSETKIKVVKNKMAPPFREAIIFQILYCKGVNQLGELVDLAVQQDIIVQKAGAWYSYQ	293
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NTDB id 60740 CTRC342 RS03510 WP 009872817.1
NTDB id 600 KW2 RS01765 WP 011675413.1
NTDB id 269 KZH43 RS08665 WP 001085462.1
NTDB id 228 SPD RS09265 WP 001085462.1
NTDB id 194 SPR RS08825 WP 001085462.1
NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
NTDB id 527 SMSK321 RS11065 WP 001085454.1
NTDB id 453 Spy49 1753c ACI62003.1
NTDB id 408 SMU RS09530 WP 002262392.1
NTDB id 115 BSU 16940 NP 389576.2
NTDB id 625 LCA RS02525 WP 011374196.1
NTDB id 1313 DR RS12030 WP 010888966.1
NTDB id 1245 Cj1673c YP 002345041.1
NTDB id 1211 C694 RS00795 WP 000963128.1
NTDB id 1214 NCTC11637 00359 SQJ03206.1
NTDB id 1334 RA0C RS04870 WP 004918236.1
NTDB id 1389 A4U84 RS07560 WP 021112712.1
NTDB id 1130 NGFG RS03960 WP 003688695.1
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NTDB id 1142 GTF74 RS11550 WP 000344154.1
NTDB id 1205 PSJM300 05545 AFN77183.1
NTDB id 1022 ACIAD RS06390 WP 004925639.1
NTDB id 1074 ABD1 RS10195 WP 000344167.1
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NTDB id 600	KW2	RS01765	WP 011675413.1	... 387
NTDB id 269	KZH43	RS08665	WP 001085462.1	IEE 388
NTDB id 228	SPD	RS09265	WP 001085462.1	IEE 388
NTDB id 194	SPR	RS08825	WP 001085462.1	IEE 388
NTDB id 159	SP	RS09750	WP 001085462.1	IEE 388
NTDB id 499	SM12261	RS08315	WP 078228268.1	IEE 384
NTDB id 527	SMSK321	RS11065	WP 001085454.1	IEE 384
NTDB id 453	Spy49	1753c	ACI62003.1	D.. 378
NTDB id 408	SMU	RS09530	WP 002262392.1	D.. 383
NTDB id 115	BSU	16940	NP 389576.2	... 348
NTDB id 625	LCA	RS02525	WP 011374196.1	... 355
NTDB id 1313	DR	RS12030	WP 010888966.1	... 363
NTDB id 1245	Cj1673c	YP 002345041.1	...	343
NTDB id 1211	C694	RS00795	WP 000963128.1	... 347
NTDB id 1214	NCTC11637	00359	SQJ03206.1	... 347
NTDB id 1334	RA0C	RS04870	WP 004918236.1	... 343
NTDB id 1389	A4U84	RS07560	WP 021112712.1	... 372
NTDB id 1130	NGFG	RS03960	WP 003688695.1	... 348
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NTDB id 1123	OK783	RS03845	WP 003688695.1	... 348
NTDB id 1427	RS	RS02760	WP 011000510.1	... 352
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	... 354
NTDB id 1142	GTF74	RS11550	WP 000344154.1	... 354
NTDB id 1205	PSJM300	05545	AFN77183.1	... 347
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	... 349
NTDB id 1074	ABD1	RS10195	WP 000344167.1	... 349
consensus				

-  non conserved
-  similar
-  ≥ 50% conserved