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NTDB id 600	KW2	RS01765	WP 011675413.1	SVRLDVRGSTKIEEGS.GDNKTI	GKITKI	KVVKNKVAPPFK	VALVD	IMFGEGIS	STGELINT	AVEEGI	IKKSGAWFAYN	312								
NTDB id 269	KZH43	RS08665	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKI	KVVKNKVAPPFK	EAVVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 228	SPD	RS09265	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKI	KVVKNKVAPPFK	EAVVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 194	SPR	RS08825	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKI	KVVKNKVAPPFK	EAVVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 159	SP	RS09750	WP 001085462.1	SVRLDVRGNTQIKGTG.DQKETN	VGKETKI	KVVKNKVAPPFK	EAVVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 499	SM12261	RS08315	WP 078228268.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKI	KVVKNKVAPPFK	EAFVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 527	SMSK321	RS11065	WP 001085454.1	SVRLDVRGSTQIKGTG.DQKDTN	VGKETKI	KVVKNKVAPPFK	EAFVE	IMYEGEGIS	KTGELK	LIASDL	DIIKKAGAWYSYK	311								
NTDB id 408	SMU	RS09530	WP 002262392.1	SVRLDVRGNTQIKGTG.EQKDSN	IGKETKI	KVVKNKVAPPFK	EAFVE	ITYGEGIS	RTGELV	KIASDL	GIIQKAGAWYSYN	311								
NTDB id 317775	MGAS27961	RS08790	WP 011285265.1	SVRLDVRGTTQIKGTG.DQKDSI	IGKETKI	KVVKNKVAPPFK	VAEVE	IMYEGEGIS	RTGELV	KIASDL	DIIQKAGAWFSYN	311								
NTDB id 453	Spy49	1753c	ACI62003.1	SVRLDVRGTTQIKGTG.DQKDSI	IGKETKI	KVVKNKVAPPFK	VAEVE	IMYEGEGIS	RTGELV	KIASDL	DIIQKAGAWFSYN	311								
NTDB id 625	LCA	RS02525	WP 011374196.1	TVRLEVRRAETIKNGT....DM	IGNRAR	I	KVVKNKVAPPFK	VAEVD	IMYGGIS	RTGELV	MAVEKDI	IINKSGSWYSYG	294							
NTDB id 115	BSU	16940	NP 389576.2	SVRLEVRRAEQLKQGN....DV	MGNKTK	I	KVVKNKVAPPFR	TA	EV	IMYEGEGIS	KEGEI	IDLGTELDIV	QKSGSWYSYE	292						
NTDB id 1313	DR	RS12030	WP 010888966.1	SVRLDVRKIGQ....PTKVGND	AVANTV	KIKT	VKNKVA	APFKE	VELA	LVYK	GFQD	QLSDLV	GLAADM	DIIK	KAGSFYSYG	307				
NTDB id 1245	Cj1673c	YP 002345041.1	SVRLDVRKVAT....L.KQNE	EPIGNRV	K	VVVKNKVAPPFR	QAEFD	VMFG	EL	SREGE	LIDY	GVKLDI	VDK	SGAWFSYK	294					
NTDB id 1214	NCTC11637	00359	SQJ03206.1	SVRIDIRRIAA....L.KQNE	QHIGNRA	K	VVVKNKVAPPFR	EAEFD	IMFG	EGIS	KEGEI	IDYGV	KLDIV	DKSGAWLSYQ	296					
NTDB id 1211	C694	RS00795	WP 000963128.1	SVRIDIRRIAS....L.KQNE	QHIGNRA	K	VVVKNKVAPPFR	EAEFD	IMFG	EGIS	KEGEI	IDYGV	KLDIV	DKSGAWLSYQ	296					
NTDB id 1334	RA0C	RS04870	WP 004918236.1	SVRIDIRISLSDTGKIKDKS	GEVIGNR	TKV	VVVKNKVAPPFK	S	AEFD	IMYEGE	VSKV	GEILD	VATDL	DIIQ	KSGSWFSYQ	307				
NTDB id 1389	A4U84	RS07560	WP 021112712.1	SVRLDIRRCGV....V.KDG	DEIG	SETK	VVVKNKVAPPFR	EV	QFD	IMYEGE	SRM	NELL	LILAE	ANGFI	KKSGAWFSYD	310				
NTDB id 1130	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKG	EV	LGNETR	VKVI	KNKVAPPFR	QAEFD	DILY	EGIS	WEGE	LIDIG	VKNDI	IINKSGAWYSYN	294				
NTDB id 1124	NGFG	RS03960	WP 003688695.1	SVRLDIRRTGS....I.KKG	EV	LGNETR	VKVI	KNKVAPPFR	QAEFD	DILY	EGIS	WEGE	LIDIG	VKNDI	IINKSGAWYSYN	294				
NTDB id 1123	OK783	RS03845	WP 003688695.1	SVRLDIRRTGS....I.KKG	EV	LGNETR	VKVI	KNKVAPPFR	QAEFD	DILY	EGIS	WEGE	LIDIG	VKNDI	IINKSGAWYSYN	294				
NTDB id 1427	RS	RS02760	WP 011000510.1	SVRLDIRRIGS....I.KKG	DEV	GNETK	VVVKNKVAPPFR	EAF	IFD	DILY	GAG	V	REGEI	IDL	GVEAK	VVEKSGAWYSYN	302			
NTDB id 1165	A1552VC	RS01565	WP 000344154.1	SVRLDIRRTGA....I.KEG	EV	GNETRI	KVVKNK	IA	APFKE	ANTQ	IMYGG	GFN	REGEL	IDL	G	VKHK	MVEKSGAWYSYN	293		
NTDB id 1142	GTF74	RS11550	WP 000344154.1	SVRLDIRRTGA....I.KEG	EV	GNETRI	KVVKNK	IA	APFKE	ANTQ	IMYGG	GFN	REGEL	IDL	G	VKHK	MVEKSGAWYSYN	293		
NTDB id 1022	ACIAD	RS06390	WP 004925639.1	SVRLDIRRIGQ....V.KEG	DEI	IG	SETK	VVVKNK	MAPPFR	EAF	IFQ	ILY	GKGN	QLGEL	VDL	AVQQ	NIVQKAGAWYSYQ	293		
NTDB id 1074	ABD1	RS10195	WP 000344167.1	SVRLDIRRIGQ....V.KEG	DEI	IG	SETK	VVVKNK	MAPPFR	EAF	IFQ	ILY	GKGN	QLGEL	VDL	AVQQ	NIVQKAGAWYSYQ	293		
NTDB id 1205	PSJM300	05545	AFN77183.1	SVRLDIRRTGA....V.KEG	DEV	GS	ETRV	KVVKNKVAPPFR	QAEF	Q	ILY	GKGI	YR	NGE	I	D	L	GVQQ	LVEKSGAWAYK	293
consensus				*!!**!*	*	**	*****!***!!**!!**!!*	*	*****!***	*****	**	***	!	*****!						



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NTDB id	Accession	Logo	Length
600	KW2_RS01765_WP_011675413.1	.....	387
269	KZH43_RS08665_WP_001085462.1	LEIEIEE	388
228	SPD_RS09265_WP_001085462.1	LEIEIEE	388
194	SPR_RS08825_WP_001085462.1	LEIEIEE	388
159	SP_RS09750_WP_001085462.1	LEIEIEE	388
499	SM12261_RS08315_WP_078228268.1	LEIEIEE	384
527	SMSK321_RS11065_WP_001085454.1	LEIEIEE	384
408	SMU_RS09530_WP_002262392.1	IELED..	383
317775	MGAS27961_RS08790_WP_011285265.1	IEIED..	378
453	Spy49_1753c_ACI62003.1	IEIED..	378
625	LCA_RS02525_WP_011374196.1	TEE....	355
115	BSU_16940_NP_389576.2	.....	348
1313	DR_RS12030_WP_010888966.1	.....	363
1245	Cj1673c_YP_002345041.1	.....	343
1214	NCTC11637_00359_SQJ03206.1	.....	347
1211	C694_RS00795_WP_000963128.1	.....	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
1022	ACIAD_RS06390_WP_004925639.1	.....	349
1074	ABD1_RS10195_WP_000344167.1	.....	349
1205	PSJM300_05545_AFN77183.1	.....	347

consensus

-  non conserved
-  similar
-  ≥ 50% conserved