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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLSSEKEVSKKEEKEEPL	0
NTDB id 1150	A1552VC	RS08580	WP 001166105.1		0
NTDB id 1395	DSB67	RS04445	WP 010649155.1		0
NTDB id 1362	HI 1008	AAC22669.1			0
NTDB id 1382	A4U84	RS07375	WP 062924234.1		0
NTDB id 595	KW2	RS08725	WP 021037687.1	MEKILDKLKEYWKIM.LLVVCALIAGGIFYIFTNSPKPAETLSVEN....LSSS...STKSSVSKFNSSSSEK	65
NTDB id 521	SMSK321	RS04960	WP 000443804.1	MESIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPHTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV	69
NTDB id 493	SM12261	RS04300	WP 000387351.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAVSKDSVSEKEVVKKEEKEEPL	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VAAVSKDLVSEKEVNKKEEKEEPL	69
NTDB id 222	SPD	RS04535	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VAAVSKDLVSEKEVNKKEEKEEPL	69
NTDB id 188	SPR	RS04295	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VAAVSKDLVSEKEVNKKEEKEEPL	69
NTDB id 153	SP	RS04730	WP 000387344.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VAAVSKDSSTEKEVKKEEKEEPL	69
NTDB id 1069	ABD1	RS03060	WP 043960841.1		0
NTDB id 1041	HON27	RS14740	WP 005124713.1		0
NTDB id 36	MW	RS08230	WP 001793467.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNSK	80
NTDB id 20	SA	RS08005	WP 001802022.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDTALKQSTSENSSLSKLEDVQVKDGDNSK	80
NTDB id 105	BSU 25590	NP 390437.1		MNWLNQHKKAIILAASAAVFTAIMIFLATG...KNKE...PVKQAVPTE...TENTVVVKQEANNDE	57
NTDB id 1014	ACIAD	RS13855	WP 004924483.1		0
NTDB id 1127	NGFG	RS10560	WP 003703428.1	MSRGG	5
NTDB id 1126	NGFG	RS09375	WP 003703428.1	MSRGG	5
NTDB id 1125	NGFG	RS07215	WP 003703428.1	MSRGG	5
NTDB id 1108	NGFG	RS06525	WP 003703428.1	MSRGG	5
NTDB id 152555	AEH97	RS08510	WP 002855574.1		0
NTDB id 1242	Cj0011c	YP 002343483.1			0
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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEAAV	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	MQIKT.KIVTIFLSLCLPTLPLLANAEETAPAAQ.....	33
NTDB id 1395	DSB67	RS04445	WP 010649155.1	MKWMLTLCLLILAPMSWAE.TKTKAD.....	25
NTDB id 1362	HI 1008	AAC22669.1		MKT.L.FTSVVLGALVSSSFEEKATXQTAQSVV.....TTQA.....	38
NTDB id 1382	A4U84	RS07375	WP 062924234.1	MKK.LSRYTFSLLFG.LFSATTFAEEKVTTSTEHTPV.....VMQQ.....	39
NTDB id 595	KW2	RS08725	WP 021037687.1	NKNEIMVDLKGAVAKPNVYQISSDERLVDLI.....RQAGGFTDQADQKSINLSAKLKDEEVIYVPKVGESS	133
NTDB id 521	SMSK321	RS04960	WP 000443804.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 493	SM12261	RS04300	WP 000387351.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 263	KZH43	RS04195	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 222	SPD	RS04535	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 188	SPR	RS04295	WP 000387330.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 153	SP	RS04730	WP 000387344.1	EQDLITVDVKGAVKSPGIYDLVSGSRVNDV.....QKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEESA	137
NTDB id 1069	ABD1	RS03060	WP 043960841.1	MQYSMRFWKN...K.YFVLIMLCGLVISPSVCAQSFQDNFQEWKVKQQM..YDQK.....	49
NTDB id 1041	HON27	RS14740	WP 005124713.1	MQYSMRFWKN...K.YFVLIMLCGLVISPSVCAQSFQDNFQEWKVKQQM..YDQK.....	49
NTDB id 36	MW	RS08230	WP 001793467.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQDKMIFIPHKGQKNV	147
NTDB id 20	SA	RS08005	WP 001802022.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQDKMIFIPHKGQKNV	147
NTDB id 105	BSU 25590	NP 390437.1		SNETIVIDIKGAVQHPGVYEM.RTGDRVS.....QAI...EKAGGTSEQADEAQVNLAELIQDGTVVYIPKKGEETA	125
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	MSIRHFFT...FFWAT.....LLTLFSMQI...VFAQGGFDQYDQAW.....KTQQKAHDTR	45
NTDB id 1127	NGFG	RS10560	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1126	NGFG	RS09375	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1125	NGFG	RS07215	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 1108	NGFG	RS06525	WP 003703428.1	ATPYRFLIRHIVARCGLLFATLKGKTMKKMFVLFCLMF.....	44
NTDB id 152555	AEH97	RS08510	WP 002855574.1	MKKLFLF..FA.....	10
NTDB id 1242	Cj0011c	YP 002343483.1		MKKLFLF..FA.....	10
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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDDL	TNVKGIGEAT	VR	95		
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDDL	TNVKGIGEAT	VR	95		
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KYEGIEITVNVNSATAQEIATLLIGI	GEKKAQD	IVEYRNEHG	PF	KT	ADLT	TKVKGIGEAT	VR	87	
NTDB id 1362	HI 1008	AAC22669.1	EAQVAPAVVSDKLNINTATASEIQKS	LTGIGAKKA	E	AI	VQYREKHGN	FXNA	EQLLEV	QGIGKATLE	104		
NTDB id 1382	A4U84	RS07375	WP 062924234.1	VAATQKVNANV	VNINTATASEIQDK	LVGIGAKKAQAI	IVEYREKNGK	FLN	VEQLTEV	SGIGKATLE	104		
NTDB id 595	KW2	RS08725	WP 021037687.1	SESTDSPTG...	SSVSNQISTTSGPKVNINKAD	LT	ELQK	LTGIGQKKAQD	I	DFRMKNGDFKSI	EDL	209	
NTDB id 521	SMSK321	RS04960	WP 000443804.1	SQHTGSGAP.....	SSTS	SKDKK	INLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207
NTDB id 493	SM12261	RS04300	WP 000387351.1	SQQAGPGTA.....	SSTS	KEKK	VNLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207
NTDB id 263	KZH43	RS04195	WP 000387330.1	SQQTGLGTA.....	SSISKEKK	VNLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207	
NTDB id 222	SPD	RS04535	WP 000387330.1	SQQTGLGTA.....	SSISKEKK	VNLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207	
NTDB id 188	SPR	RS04295	WP 000387330.1	SQQTGLGTA.....	SSISKEKK	VNLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207	
NTDB id 153	SP	RS04730	WP 000387344.1	SQQTGSGTA.....	SSTS	KEKK	VNLN	KNASLEELKQ	VKGLGGKRAQD	I	DHREANGKFKSV	DEL	207
NTDB id 1069	ABD1	RS03060	WP 043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQ	IHLN	QANVNE	FQQ	LKGIGEKKAAQAI	IVEYRQKNGS	FKN	IDEI	128	
NTDB id 1041	HON27	RS14740	WP 005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQ	IHLN	QANVNE	FQQ	LKGIGEKKAAQAI	IVEYRQKNGS	FKN	IDEI	128	
NTDB id 36	MW	RS08230	WP 001793467.1	EP....QIGVNS..VHVKNGNTNNTK	VNLN	TASVSELMS	VPGVGQAKANA	IVEYRNQQ	GAFQE	IDDL	LKVKGFGSKTFD	220	
NTDB id 20	SA	RS08005	WP 001802022.1	EP....QIEVNS..VHVKNGNTNNTK	VNLN	TASVSELMS	VPGVGQAKANA	IVEYRNQQ	GAFQE	IDDL	LKVKGFGSKTFD	220	
NTDB id 105	BSU	25590	NP 390437.1	V....QQGGGGS..V..QSDGGKGALVNINT	AT	LEELQG	ISGVGPSKAE	AI	IAYREENG	RFT	IED	196	
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LNSSASHHSLSK..P..TQQSGTG	VKN	INSAT	AKELQQ	LHGVGEKKALAI	IVEYRQYQ	GKFASV	DDL	120	
NTDB id 1127	NGFG	RS10560	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKAIAEYRAQNGAFKSV	VDDL	IKVKGIGPAVLA				105	
NTDB id 1126	NGFG	RS09375	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKAIAEYRAQNGAFKSV	VDDL	IKVKGIGPAVLA				105	
NTDB id 1125	NGFG	RS07215	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKAIAEYRAQNGAFKSV	VDDL	IKVKGIGPAVLA				105	
NTDB id 1108	NGFG	RS06525	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKAIAEYRAQNGAFKSV	VDDL	IKVKGIGPAVLA				105	
NTDB id 152555	AEH97	RS08510	WP 002855574.1	LTAFLFGA	VNINTATL	KLKLS	LNGIGEAKAKAIALEYRKE	ANFTS	IDDL	LKVKGIGD	KLFE	70	
NTDB id 1242	Cj0011c	YP 002343483.1	LTAFLFGA	VNINTATL	KLKLS	LNGIGEAKAKAIALEYRKE	ANFTS	IDDL	LKVKGIGD	KLFE		70	
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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	NNAARILL	103
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	NNAARILL	103
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KNEDRILL	95
NTDB id 1362	HI 1008	AAC22669.1	KNRDRIIF	112	
NTDB id 1382	A4U84	RS07375	WP 062924234.1	KNRDCIVIE	113
NTDB id 595	KW2	RS08725	WP 021037687.1	KLKDEISID	218
NTDB id 521	SMSK321	RS04960	WP 000443804.1	KLKDYVTVD	216
NTDB id 493	SM12261	RS04300	WP 000387351.1	KLKDYVTVD	216
NTDB id 263	KZH43	RS04195	WP 000387330.1	KLKDYVTVD	216
NTDB id 222	SPD	RS04535	WP 000387330.1	KLKDYVTVD	216
NTDB id 188	SPR	RS04295	WP 000387330.1	KLKDYVTVD	216
NTDB id 153	SP	RS04730	WP 000387344.1	KLKDYVTVD	216
NTDB id 1069	ABD1	RS03060	WP 043960841.1	KNKSRLIAL	136
NTDB id 1041	HON27	RS14740	WP 005124713.1	KNKSRLIAL	136
NTDB id 36	MW	RS08230	WP 001793467.1	KLKSYFTI	228
NTDB id 20	SA	RS08005	WP 001802022.1	KLKSYFTI	228
NTDB id 105	BSU	25590	NP 390437.1	KIKSSIIVK	205
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	KNRDRLAI	128
NTDB id 1127	NGFG	RS10560	WP 003703428.1	KLKDQASVGAPAPKGP	131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	KLKDQASVGAPAPKGP	131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	KLKDQASVGAPAPKGP	131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	KLKDQASVGAPAPKGP	131
NTDB id 152555	AEH97	RS08510	WP 002855574.1	KIKNDITVE	79
NTDB id 1242	Cj0011c	YP 002343483.1	KIKNDITIE	79	
consensus				*****	

 non conserved
 similar
 $\geq 50\%$ conserved