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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLSVSEKEVSKKEEKSEEP	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	MESIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPHTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV	69
NTDB id 493	SM12261	RS04300	WP 000387351.1	MEAIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSVSEKEVKKEEKEEPL	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	MEAIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKKEEKEEPL	69
NTDB id 222	SPD	RS04535	WP 000387330.1	MEAIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKKEEKEEPL	69
NTDB id 188	SPR	RS04295	WP 000387330.1	MEAIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKKEEKEEPL	69
NTDB id 153	SP	RS04730	WP 000387344.1	MEAIIEKIKKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKEVKKEEKEEPL	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 92433	AEI19	RS08655	WP 002855574.1		0
NTDB id 1242	Cj0011c	YP 002343483.1			0
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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	EQDLITVDYKGAVKSPGYYLITYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPKGEESA	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	MQIKT.KIVTFLFLSLCLPTLPLLANAEETAPAAQ.....	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.YFVLLIMLCGLVISPSVCAQSFQDNFQEWKVKQQM..YDQK.....	49
NTDB id 1041	HON27	RS14740	WP 005124713.1	MQYSMRFWKN...K.YFLLIMLCGLVISPSVCAQSFQDNFQEWKAKQQM..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...EKAGGTSEQADEAQVNLAELQDGTVVYIPKKGEETA	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 92433	AEI19	RS08655	WP 002855574.1	MKKLLFLF..FA.....	10
NTDB id 1242	Cj0011c	YP 002343483.1		MKKLLFLF..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	PFKTAAD	LTKVKGIGEAT	VR	87		
NTDB id 1362	HI 1008	AAC22669.1	EAQVAPAVVSDKLNINTATASEIQKS	LTGIGAKKA	EAI	VQYREKHG	NFXNAE	QLELVQGIG	KATLE	104		
NTDB id 1382	A4U84	RS07375	WP 062924234.1	VAATQKVNAVNVNINTATASEIQDK	LVGIGAKKAQAI	IVEYREKNGK	FLNVEQL	TEVSGIG	KATLE	104		
NTDB id 595	KW2	RS08725	WP 021037687.1	SESTDSPTG...SSVSNQISTTSGPKVNIN	KADLT	TELQK	LTGIGQKKAQDI	IDFRMKN	GDFKSI	EDL	209	
NTDB id 521	SMSK321	RS04960	WP 000443804.1	SQHTGSGAP.....SSTS	SKDKKINLN	KASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	AKTIE	207
NTDB id 493	SM12261	RS04300	WP 000387351.1	SQQAGPGTA.....SSTS	KEKKVNL	NKASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	AKTIE	207
NTDB id 263	KZH43	RS04195	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNL	NKASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	GKTIE	207	
NTDB id 222	SPD	RS04535	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNL	NKASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	GKTIE	207	
NTDB id 188	SPR	RS04295	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNL	NKASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	GKTIE	207	
NTDB id 153	SP	RS04730	WP 000387344.1	SQQTGSGTA.....SSTS	KEKKVNL	NKASLEELKQ	VKGLGGKRAQDI	IDHREANG	KFKSVDEL	KKVSGIG	GKTIE	207
NTDB id 1069	ABD1	RS03060	WP 043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQ	IHLNQAN	VNEFQQ	LKGIGE	KKAQAI	IVEYRQ	KNGSFKN	IDEL	128
NTDB id 1041	HON27	RS14740	WP 005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQ	IHLNQAN	VNEFQQ	LKGIGE	KKAQAI	IVEYRQ	KNGSFKN	IDEL	128
NTDB id 36	MW	RS08230	WP 001793467.1	EP....QIGVNS..VHVKNGNTNNTK	VNLNTAS	VSELMS	VPGVGQAKANA	IVEYRN	QQGAF	QEI	DDL	220
NTDB id 20	SA	RS08005	WP 001802022.1	EP....QIEVNS..VHVKNGNTNNTK	VNLNTAS	VSELMS	VPGVGQAKANA	IVEYRN	QQGAF	QEI	DDL	220
NTDB id 105	BSU	25590	NP 390437.1	V....QQGGGGS..V..QSDGGKGAL	VNINTAT	LEELQG	ISGVGPSKAE	AI	IAYRE	ENGRFQ	TIED	196
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LNSSASHHSLSK..P..TQQSGTG	VKNINS	ATAKELQQ	LHGVGE	KKALAI	IVEYRQ	QYQGF	ASVDDL	120
NTDB id 1127	NGFG	RS10560	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQ	NGAFKS	VDDL	IKVKGIG	PAVLA	105
NTDB id 1126	NGFG	RS09375	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQ	NGAFKS	VDDL	IKVKGIG	PAVLA	105
NTDB id 1125	NGFG	RS07215	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQ	NGAFKS	VDDL	IKVKGIG	PAVLA	105
NTDB id 1108	NGFG	RS06525	WP 003703428.1	SCAFSLAAVNINAASQQE	LEA	LPGIGPAKAKA	IAEYRAQ	NGAFKS	VDDL	IKVKGIG	PAVLA	105
NTDB id 92433	AEI19	RS08655	WP 002855574.1	LTAFLFGA	VNINTAT	LKELKS	LNGIGE	EAKAKA	ILEYRKE	ANFTS	IDDL	70
NTDB id 1242	Cj0011c	YP 002343483.1	LTAFLFGA	VNINTAT	LKELKS	LNGIGE	EAKAKA	ILEYRKE	ANFTS	IDDL	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	KNKSRLAL	136
NTDB id 1041	HON27	RS14740	WP 005124713.1	KNKSRLAL	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 92433	AEI19	RS08655	WP 002855574.1	KIKNDITVE	79
NTDB id 1242	Cj0011c	YP 002343483.1	KIKNDITIE	79	
consensus				*****	

 non conserved
 similar
 $\geq 50\%$ conserved