

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV.....	0
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV.....	0
NTDB id 1395	DSB67	RS04445	WP 010649155.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV.....	0
NTDB id 1362	HI 1008	AAC22669.1		MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV.....	0
NTDB id 1382	A4U84	RS07375	WP 062924234.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV.....	0
NTDB id 595	KW2	RS08725	WP 021037687.1	MEKILDKLKEYWKIM.LLVVICALIAGGIFYIFTNSPKPAETLSVEN....LSSS...STKSSVSKFNSSSSEK	65
NTDB id 521	SMSK321	RS04960	WP 000443804.1	MESIIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV	69
NTDB id 493	SM12261	RS04300	WP 000387351.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKDVKKEEKEEPV	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPV	69
NTDB id 222	SPD	RS04535	WP 000387330.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPV	69
NTDB id 188	SPR	RS04295	WP 000387330.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPV	69
NTDB id 153	SP	RS04730	WP 000387344.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKEVNKEEKEEPV	69
NTDB id 1069	ABD1	RS03060	WP 043960841.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKEVNKEEKEEPV	0
NTDB id 1041	HON27	RS14740	WP 005124713.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDSSTEKEVNKEEKEEPV	0
NTDB id 36	MW	RS08230	WP 001793467.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNSK	80
NTDB id 20	SA	RS08005	WP 001802022.1	MVLLYQFLLRYKDFLTQWKLYIISAVVLMVVLIGFIFWRQDDYTSRNFENKDTALKQSTSENSSLSKVEDVQVKDGDNSK	80
NTDB id 105	BSU 25590	NP 390437.1		MNWLNQHKKAIILAASAAVFTAIMIFLATG...KNKE...PVKQAVPTE...TENTVVVKQEANNDE	57
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	MSRGG	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 104905	R8891	RS00055	WP 002855574.1	MSRGG	0
NTDB id 1242	Cj0011c	YP 002343483.1		MSRGG	0
consensus				MSRGG	0

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEESA.....	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEESA.....	33
NTDB id 1395	DSB67	RS04445	WP 010649155.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEESA.....	25
NTDB id 1362	HI 1008	AAC22669.1		EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEESA.....	38
NTDB id 1382	A4U84	RS07375	WP 062924234.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPTKGEESA.....	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 104905	R8891	RS00055	WP 002855574.1	MCKLLFLF..FA.....	10
NTDB id 1242	Cj0011c	YP 002343483.1		MCKLLFLF..FA.....	10
consensus				MCKLLFLF..FA.....	10

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDD	LT	NVKGIG	EAT	VR	95																									
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGI	GLKKAQAI	VDYREANGP	FTH	IDD	LT	NVKGIG	EAT	VR	95																									
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KYEGIEITVNVNSATAQEIATLLIGI	GEKKAQD	IVEYRNEHG	PFKTA	AD	LT	TKVKGIG	EAT	VR	87																									
NTDB id 1362	HI 1008	AAC22669.1	EAQVAPAVVSDKLNINTATASEIQKSL	TGIGAKKA	EAI	VQYREKHG	NFXNA	EQL	LEV	QGIG	KAT	LE	104																									
NTDB id 1382	A4U84	RS07375	WP 062924234.1	VAATQKVNANVNVINTATASEIQDKL	VGIGAKKA	QAI	IVEYREKNG	KFLN	VE	QLTEV	SGIG	KAT	LE	104																								
NTDB id 595	KW2	RS08725	WP 021037687.1	SESTDSPTG...SSVSNQISTTSGPKVNINKA	DLTELQK	LTGIGQKKAQ	DI	DF	RMKNGD	FKS	IED	LGKVS	GFGDK	TL	209																							
NTDB id 521	SMSK321	RS04960	WP 000443804.1	SQHTGSGAP.....SSTS	SKDKK	INLN	KNAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	AKT	IE	207																	
NTDB id 493	SM12261	RS04300	WP 000387351.1	SQQAGPGTA.....SSTS	KEKK	VNL	NKAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	AKT	IE	207																	
NTDB id 263	KZH43	RS04195	WP 000387330.1	SQQTGLGTA.....SSIS	KEKK	VNL	NKAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	GKT	IE	207																	
NTDB id 222	SPD	RS04535	WP 000387330.1	SQQTGLGTA.....SSIS	KEKK	VNL	NKAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	GKT	IE	207																	
NTDB id 188	SPR	RS04295	WP 000387330.1	SQQTGLGTA.....SSIS	KEKK	VNL	NKAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	GKT	IE	207																	
NTDB id 153	SP	RS04730	WP 000387344.1	SQQTGSGTA.....SSTS	KEKK	VNL	NKAS	LEEL	KQ	VKGL	GKRAQ	DI	IDH	REANG	KFKS	VDEL	KKV	SGIG	GKT	IE	207																	
NTDB id 1069	ABD1	RS03060	WP 043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQ	IHLNQANVNE	FQQ	LKGIG	EKKAA	QAI	IVEYR	QKNGS	FKN	IDE	IK	NVKGIG	PA	IF	E				128																
NTDB id 1041	HON27	RS14740	WP 005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQ	IHLNQANVNE	FQQ	LKGIG	EKKAA	QAI	IVEYR	QKNGS	FKN	IDE	IK	NVKGIG	PA	IF	E				128																
NTDB id 36	MW	RS08230	WP 001793467.1	EP....QIGVNS..VHVKNGNTNNTK	VNLNTASV	SELMS	VPGVG	QAKA	NA	IVEYR	NQQ	GA	FQ	E	IDD	L	KKV	KG	F	G	S	K	T	F	D	220												
NTDB id 20	SA	RS08005	WP 001802022.1	EP....QIEVNS..VHVKNGNTNNTK	VNLNTASV	SELMS	VPGVG	QAKA	NA	IVEYR	NQQ	GA	FQ	E	IDD	L	KKV	KG	F	G	S	K	T	F	D	220												
NTDB id 105	BSU	25590	NP 390437.1	V....QQGGGGS..V..QSDGGKGALVNINT	ATLEEL	QG	ISG	VGPS	KA	EAI	IAY	REENG	R	FQ	T	IED	I	TKV	S	GIG	E	K	S	F	E	196												
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LNSSASHHSLSK..P..TQQSGTG	VKNINS	ATA	KEL	Q	LHG	VGE	KKAL	A	IVEYR	Q	Y	G	K	F	A	S	V	D	D	L	Q	K	V	K	G	I	G	P	K	F	I	E	120	
NTDB id 1127	NGFG	RS10560	WP 003703428.1	SCAFSLAAVNINAASQ	QLEA	LP	GIG	PA	KAKA	IA	EY	RA	Q	N	G	A	F	K	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	105		
NTDB id 1126	NGFG	RS09375	WP 003703428.1	SCAFSLAAVNINAASQ	QLEA	LP	GIG	PA	KAKA	IA	EY	RA	Q	N	G	A	F	K	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	105		
NTDB id 1125	NGFG	RS07215	WP 003703428.1	SCAFSLAAVNINAASQ	QLEA	LP	GIG	PA	KAKA	IA	EY	RA	Q	N	G	A	F	K	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	105		
NTDB id 1108	NGFG	RS06525	WP 003703428.1	SCAFSLAAVNINAASQ	QLEA	LP	GIG	PA	KAKA	IA	EY	RA	Q	N	G	A	F	K	S	V	D	D	L	I	K	V	K	G	I	G	P	A	V	L	A	105		
NTDB id 104905	R8891	RS00055	WP 002855574.1	LTAFLFGA	VNINT	ATL	KEL	KS	LNG	I	G	E	A	K	A	I	EY	R	K	E	AN	FTS	I	D	D	L	K	V	K	G	I	G	D	K	L	F	E	70
NTDB id 1242	Cj0011c	YP 002343483.1	LTAFLFGA	VNINT	ATL	KEL	KS	LNG	I	G	E	A	K	A	I	EY	R	K	E	AN	FTS	I	D	D	L	K	V	K	G	I	G	D	K	L	F	E	70	
consensus				***! !** !*																	* !**			***!***!***!			** !*****			*!***!			****					

logo

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	KNRDRLIAL	128		
NTDB id 1127	NGFG	RS10560	WP 003703428.1	KLKDQASVGAPAPKGP	PAKPVLP	PAVKK	131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	KLKDQASVGAPAPKGP	PAKPVLP	PAVKK	131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	KLKDQASVGAPAPKGP	PAKPVLP	PAVKK	131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	KLKDQASVGAPAPKGP	PAKPVLP	PAVKK	131
NTDB id 104905	R8891	RS00055	WP 002855574.1	KIKNDITVE	79		
NTDB id 1242	Cj0011c	YP 002343483.1	KIKNDITIE	79			
consensus				*****			

 non conserved
 similar
 $\geq 50\%$ conserved