

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	MEALIEKIKKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLSVSEKEVSKKEEKEEPL.....	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.LLVVICALIAGGIFYIFTNSPKPAETLSVEN....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...VVAISKDSVSEKEVVKKEEKEEPL	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPL	69
NTDB id 222	SPD	RS04535	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPL	69
NTDB id 188	SPR	RS04295	WP 000387330.1	MEAIIEKIKEYKIIIV.ICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLVSEKEVNKEEKEEPL	69
NTDB id 153	SP	RS04730	WP 000387344.1	MEAIIEKIKEYKIIIV.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...TENTVVKQEANNDE	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 138163	RC20	RS08175	WP 002855574.1		0
NTDB id 1242	Cj0011c	YP 002343483.1			0
consensus					

logo

NTDB id 1159	ABDM36	RS04765	WP 001166105.1	EQDLITVDYKGAVKSPGYYLDTYSKRYNDKLYLFCMLF.....AKGLLEQADSKSLNLAQKVSDEALVYVPKGEAAV	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.YFVLIMLCGLVISPSVCAQSFDQNFQEWKVKQQM..YDQK.....	49
NTDB id 1041	HON27	RS14740	WP 005124713.1	MQYSMRFWKN...K.YFLLIMLCGLVISPSVCAQSFDQNFQEWKAKQQM..YDQK.....	49
NTDB id 36	MW	RS08230	WP 001793467.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQKMFIPHKGQKNV	147
NTDB id 20	SA	RS08005	WP 001802022.1	NKGPVYVDVKGAVKHPNVYKMTSKDRVVD.LL.....DKAQLLEDADVSRINLSEKLTQKMFIPHKGQKNV	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 138163	RC20	RS08175	WP 002855574.1	MKKLLFLF..FA.....	10
NTDB id 1242	Cj0011c	YP 002343483.1		MKKLLFLF..FA.....	10
consensus					

NTDB	id	1159	ABDM36	RS04765	WP	001166105.1	VEEGIVITVNINTASAEELATLTKGIGLKKAQAIVDYREANGPFTTHIDDLTNVKGIGEATVR	95
NTDB	id	1150	A1552VC	RS08580	WP	001166105.1	VEEGIVITVNINTASAEELATLTKGIGLKKAQAIVDYREANGPFTTHIDDLTNVKGIGEATVR	95
NTDB	id	1395	DSB67	RS04445	WP	010649155.1	KYEGIEITVNVNSATAQEIALTLIGIGEKKQAQDIVEYRNEHGFPKTAAADLTQVKGIGEATVR	87
NTDB	id	1362	HI	1008	AAC22669.1	EAQVAPAKVSDKLNINTASEIQQSLTGIGAKKAEIAVQYREKHGNFXNAEQLLVEQGIGKATLE	104	
NTDB	id	1382	A4U84	RS07375	WP	062924234.1	VAATAPKVNAVNVNINTATASEIQDKLVGIGAKKAAQAIVEYREKNKGFLNVEQLTEVSGIGKATLE	104
NTDB	id	595	KW2	RS08725	WP	021037687.1	SESTDSPGTG...SSVSNQISTTSGBKVNINKADLTELGK.LTGIGQKKAQDIIDFRMKNGDFKSIEDLGKVS GF G D K T L E	209
NTDB	id	521	SMSK321	RS04960	WP	000443804.1	SQHTGSGAP.....SSTSKDKKINLNKASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	493	SM12261	RS04300	WP	000387351.1	SQQAGPGTA.....SSTSKEKKVNLNKNASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	263	KZH43	RS04195	WP	000387330.1	SQQTGLGTA.....SSISKEKKVNLNKNASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	222	SPD	RS04535	WP	000387330.1	SQQTGLGTA.....SSISKEKKVNLNKNASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	188	SPR	RS04295	WP	000387330.1	SQQTGLGTA.....SSISKEKKVNLNKNASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	153	SP	RS04730	WP	000387344.1	SQQTGS GTA.....SSTSKEKKVNLNKNASLEELKQ.VKGLGGKRAQDIIDHREANGKFKS VDELKKVSGIGAKTIE	207
NTDB	id	1069	ABD1	RS03060	WP	043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQHILNQANVNEFQQ.LKGIGEKKAAQAIVEYRQKNGSFKNIDEIKNVKGIGPAIFE	128
NTDB	id	1041	HON27	RS14740	WP	005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQHILNQANVNEFQQ.LKGVGEEKKAAQAIVEYRQKNGSFKNIDEIKNVKGIGPAIFE	128
NTDB	id	36	MW	RS08230	WP	001793467.1	EP....QIGVNS..VHVKNGNTNNTKVNINTASVSELMS.VPGVGQAKANAIVEYRNQGAFFQEIDDLKVKVGFSGKTFD	220
NTDB	id	20	SA	RS08005	WP	001802022.1	EP....QIEVNS..VHVKNGNTNNTKVNINTASVSELMS.VPGVGQAKANAIVEYRNQGAFFQEIDDLKVKVGFSGKTFD	220
NTDB	id	105	BSU	25590	NP	390437.1	V....QQGGGGS..V.QSDGGKGALVNINTATLEELQG.ISGVGPSKAEAI IAYREENGRFQTIEDITKVSGIGEK SFE	196
NTDB	id	1014	ACIAD	RS13855	WP	004924483.1	LNSSASHHSLSK..P..TQQSGTGVKVNINSATAKELQQ.LHGVI GEKKALAIVEYRQYQYGFASFVDDLQVKVGIGPKFIE	120
NTDB	id	1127	NGFG	RS10560	WP	003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQN GAFKSVDDL IKVKGIPAVLA	105
NTDB	id	1126	NGFG	RS09375	WP	003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQN GAFKSVDDL IKVKGIPAVLA	105
NTDB	id	1125	NGFG	RS07215	WP	003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQN GAFKSVDDL IKVKGIPAVLA	105
NTDB	id	1108	NGFG	RS06525	WP	003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQN GAFKSVDDL IKVKGIPAVLA	105
NTDB	id	138163	RC20	RS08175	WP	002855574.1	LTAFLFGAVNINTATLKLKLS.LNGIGEAKAKAILEYRKE.ANFTSIDDLKVKVGI G D KLFE	70
NTDB	id	1242	Cj0011c	YP	002343483.1	LTAFLFGAVNINTATLKLKLS.LNGIGEAKAKAILEYRKE.ANFTSIDDLKVKVGI G D KLFE	70	
consensus							*** ! * * * ! *	

NTDB	id	1159	ABDM36	RS04765	WP	001166105.1	NNAARTLL	103
NTDB	id	1150	A1552VC	RS08580	WP	001166105.1	NNAARTLL	103
NTDB	id	1395	DSB67	RS04445	WP	010649155.1	KNEDRIIL	95
NTDB	id	1362	HI	1008	AAC22669.1	KNEDRIIF	112	
NTDB	id	1382	A4U84	RS07375	WP	062924234.1	KNEDCIIVIE	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	KNKSRIIAL	136
NTDB	id	1041	HON27	RS14740	WP	005124713.1	KNKSRIIAL	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	KTKSSITVK	205
NTDB	id	1014	ACIAD	RS13855	WP	004924483.1	KNEDRIIAL	128
NTDB	id	1127	NGFG	RS10560	WP	003703428.1	KLKDAQSV	131
NTDB	id	1126	NGFG	RS09375	WP	003703428.1	KLKDAQSV	131
NTDB	id	1125	NGFG	RS07215	WP	003703428.1	KLKDAQSV	131
NTDB	id	1108	NGFG	RS06525	WP	003703428.1	KLKDAQSV	131
NTDB	id	138163	RC20	RS08175	WP	002855574.1	KTKNDLTVE	79
NTDB	id	1242	Cj0011c	YP	002343483.1	KTKNDLTIE	79	
consensus							*****	

 non conserved
 similar
 $\geq 50\%$ conserved