

logo

			MEALLEKIKEYKLIYICTGLGLLVGGFFLLKPAPQTPVKETNLQAE...VVAISKDLYSEKESVSKKEEKEEPL	
NTDB id 1159	ABDM36	RS04765	WP 001166105.1	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	65
NTDB id 521	SMSK321	RS04960	WP 000443804.1	69
NTDB id 493	SM12261	RS04300	WP 000387351.1	69
NTDB id 263	KZH43	RS04195	WP 000387330.1	69
NTDB id 222	SPD	RS04535	WP 000387330.1	69
NTDB id 188	SPR	RS04295	WP 000387330.1	69
NTDB id 153	SP	RS04730	WP 000387344.1	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	80
NTDB id 20	SA	RS08005	WP 001802022.1	80
NTDB id 105	BSU 25590	NP 390437.1MNWLNQHKKAILAASAAVFTAIMIFLATG...KNKE...PVKQAVPTE...TENTVVKQEANDE	57
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	0
NTDB id 1127	NGFG	RS10560	WP 003703428.1	5
NTDB id 1126	NGFG	RS09375	WP 003703428.1	5
NTDB id 1125	NGFG	RS07215	WP 003703428.1	5
NTDB id 1108	NGFG	RS06525	WP 003703428.1	5
NTDB id 1101777	ACNFKH	RS08235	WP 002855574.1	0
NTDB id 1242	Cj0011c	YP 002343483.1		0
consensus				

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			EQDLITVDYKGAVKSPGYSYDLYKRVNPKVYLFCLM...SKAGGLTEQADSKSLNLAQKVSDEALVYVPTKGEAV	
NTDB id 1159	ABDM36	RS04765	WP 001166105.1	33
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	33
NTDB id 1395	DSB67	RS04445	WP 010649155.1	25
NTDB id 1362	HI 1008	AAC22669.1		38
NTDB id 1382	A4U84	RS07375	WP 062924234.1	39
NTDB id 595	KW2	RS08725	WP 021037687.1	133
NTDB id 521	SMSK321	RS04960	WP 000443804.1	137
NTDB id 493	SM12261	RS04300	WP 000387351.1	137
NTDB id 263	KZH43	RS04195	WP 000387330.1	137
NTDB id 222	SPD	RS04535	WP 000387330.1	137
NTDB id 188	SPR	RS04295	WP 000387330.1	137
NTDB id 153	SP	RS04730	WP 000387344.1	137
NTDB id 1069	ABD1	RS03060	WP 043960841.1	49
NTDB id 1041	HON27	RS14740	WP 005124713.1	49
NTDB id 36	MW	RS08230	WP 001793467.1	147
NTDB id 20	SA	RS08005	WP 001802022.1	147
NTDB id 105	BSU 25590	NP 390437.1	SNETIVIDIKGAVQHGPVYEM.RTGDRVS...QAI...EKAGGTSEQADEAQVNLAIEILDGTVVYIPKKGEEA	125
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	45
NTDB id 1127	NGFG	RS10560	WP 003703428.1	44
NTDB id 1126	NGFG	RS09375	WP 003703428.1	44
NTDB id 1125	NGFG	RS07215	WP 003703428.1	44
NTDB id 1108	NGFG	RS06525	WP 003703428.1	44
NTDB id 1101777	ACNFKH	RS08235	WP 002855574.1	10
NTDB id 1242	Cj0011c	YP 002343483.1MKKLLFLF..FA.....MKKLLFLF..FA.....	10
consensus				

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NTDB id 1159	ABDM36	RS04765	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGGIGLKKAAQIVDYREANGPFTHIDDLTNVKGIGEATVR	95
NTDB id 1150	A1552VC	RS08580	WP 001166105.1	VEEGIVITVNINTASAEELATLLKGGIGLKKAAQIVDYREANGPFTHIDDLTNVKGIGEATVR	95
NTDB id 1395	DSB67	RS04445	WP 010649155.1	KYEGIEITVNVNSATAQEIATLLIGIGEKKAAQIVDYREANGPFKTAADLTKVKGIGEATVR	87
NTDB id 1362	HI 1008	AAC22669.1		EAQVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEIVQYREKHGNFXNAEQLLLEVQGGIGKATLE	104
NTDB id 1382	A4U84	RS07375	WP 062924234.1	VAATQVNVANVVNINTATASEIQDKLVGIGAKKAAQIVVEYREKNGKFLNVEQLTEVSGIGKATLE	104
NTDB id 595	KW2	RS08725	WP 021037687.1	SESTDSPGTG...SSVSNQISTTSGPKVNINKADLITELKQ.LTGIGQKKAQDIDFRMKNDFKSIDDLGKVSFGFDKTL	209
NTDB id 521	SMSK321	RS04960	WP 000443804.1	SQHTGSGAP.....SSTSKDKKINLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGAKTIE	207
NTDB id 493	SM12261	RS04300	WP 000387351.1	SQQAGPGTA.....SSTSKEKKVNLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGAKTIE	207
NTDB id 263	KZH43	RS04195	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGGKTIE	207
NTDB id 222	SPD	RS04535	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGGKTIE	207
NTDB id 188	SPR	RS04295	WP 000387330.1	SQQTGLGTA.....SSISKEKKVNLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGGKTIE	207
NTDB id 153	SP	RS04730	WP 000387344.1	SQQTGSGTA.....SSTSKEKKVNLNKASLEELKQ.VKGLGGKRAQDIDHREANGKFKSVDELKVVSGIGGKTIE	207
NTDB id 1069	ABD1	RS03060	WP 043960841.1	LNISKSSHSNSSKISQTKNFNDSTGQIHLNQANVNEFQQ.LKGIGEKKAAQIVVEYRQKNGSFKNIDEIKNVKGIGPAIFE	128
NTDB id 1041	HON27	RS14740	WP 005124713.1	LNITKSSHSNGSKISQTKNFNDSTGQIHLNQANVNEFQQ.LKGVGEKKAAQIVVEYRQKNGSFKNIDEIKNVKGIGPAIFE	128
NTDB id 36	MW	RS08230	WP 001793467.1	EP...QIGVNS..VHVKNGTNTNTKVNLTASVSELM.S.VPGVQAKANAIVEYRNQQGAFQEIDDLKVKVGFSGKTFD	220
NTDB id 20	SA	RS08005	WP 001802022.1	EP...QIEVNS..VHVKNGTNTNTKVNLTASVSELM.S.VPGVQAKANAIVEYRNQQGAFQEIDDLKVKVGFSGKTFD	220
NTDB id 105	BSU	25590	NP 390437.1	V...QQGGGGS..V..QSDGGKALVNINTATLEELQG.ISGVGPSKAEAITAYREENGRFQTIEDITKVSIGIGEKSEFE	196
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	LNSSASHHLSK..P..TQQSGTGKVNINSAATAKELQQ.LHGVGEKKALAVEYRQQYQKFAVDDDLQKVKGIGPKFIE	120
NTDB id 1127	NGFG	RS10560	WP 003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQNGAFKSVDDLKVKGIGPAVLA	105
NTDB id 1126	NGFG	RS09375	WP 003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQNGAFKSVDDLKVKGIGPAVLA	105
NTDB id 1125	NGFG	RS07215	WP 003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQNGAFKSVDDLKVKGIGPAVLA	105
NTDB id 1108	NGFG	RS06525	WP 003703428.1	SCAFSLAAVNINAASQQELEA.LPGIGPAKAKAIAEYRAQNGAFKSVDDLKVKGIGPAVLA	105
NTDB id 1101777	ACNFKH	RS08235	WP 002855574.1	LTAFLFGAVNINTATLKLKLS.LNGIGEAKAKAILEYRKE.ANFTSIDDLKVKVIGDKLFE	70
NTDB id 1242	Cj0011c	YP 002343483.1		LTAFLFGAVNINTATLKLKLS.LNGIGEAKAKAILEYRKE.ANFTSIDDLKVKVIGDKLFE	70
consensus				***! !** !* * !*! **!*!!*!!*!! * * !***** *!***! ****	

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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	KIKSSITVK.....	205
NTDB id 1014	ACIAD	RS13855	WP 004924483.1	KNRDRLAI.....	128
NTDB id 1127	NGFG	RS10560	WP 003703428.1	KLKDAQSVGAPAPKGPAPVLPVAVKK	131
NTDB id 1126	NGFG	RS09375	WP 003703428.1	KLKDAQSVGAPAPKGPAPVLPVAVKK	131
NTDB id 1125	NGFG	RS07215	WP 003703428.1	KLKDAQSVGAPAPKGPAPVLPVAVKK	131
NTDB id 1108	NGFG	RS06525	WP 003703428.1	KLKDAQSVGAPAPKGPAPVLPVAVKK	131
NTDB id 1101777	ACNFKH	RS08235	WP 002855574.1	KIKNDITVE.....	79
NTDB id 1242	Cj0011c	YP 002343483.1		KIKNDITIE.....	79
consensus				**** **	

 non conserved
 similar
 $\geq 50\%$ conserved