

Signature for Aquificae (Elongation Factor Tu, EF-Tu)

Griffiths, E. and Gupta, R.S. (2006) IJSEM. 56:99-107

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Proteobacteria	E. coli	NP_312930	TIGHVDHGKTTTLTAAITTVLAKTY	GGAARAFDQIDNAPEEKARGITINTSHVEYDT
	H. influenzae	NP_438736	-----H-	-----
	V. cholerae	NP_230016	-----C-----V-	--K--D-AS-----RE-----
	Pse. aeruginosa	NP_252955	-----L-K-CSD-W	--S-----S
	X. fastidiosa	NP_299905	-----L-K-G-ERF	--EFK-Y-A--A-----S-A---E-
	Pas. multocida	NP_246685	-----H-	-----
	Bord. pertussis	NP_882121	-----SNKF	--E--GY---A-----E-
	Nei. meningitidis	NP_273182	-----L--I---KF	----K-Y-----E-
	Burk. cepacia	ZP_00218672	-----T-KF	--E-K-Y---A-----A---E-
	R. prowazekii	NP_221025	-----S-----II---G	-AK-T-Y---A---E---S-A---E-
	Bru. suis	NP_698255	-----S-----KFFG	EFK-Y---A---R-----S-A---E-
	A. tumefaciens	NP_354924	-----S-----KYFG	EFK-Y---A-----S-A---E-
	Ca. crescentus	NP_421993	-----MT---SG	-AT-KKY-E--A-----A---E-
	Bde. bacteriovorus	NP_969770	-----T--ASG	KAQ-M-Y---KS-----S-T---E-
	Geo. sulfurreducens	NP_953902	-----K---ERG	QAEF-G-----RE-----A---E-
Aquificales	Desulf. vulgaris	YP_012132	---I-----KTAGLLG	Q-KFI-Y-E--K---E---A-A---E-
	Hel. pylori	AAD06711	----Y-----S---SA---SLKG	LAEMKDY-N-----Q---E---A---I--E-
	Camp. jejuni	NP_281657	-----SA---SRRG	LAEKDY-N-----E---A---I--E-
	Aqu. aeolicus	NP_214323	-----S---S---C---AGL	KAKCFKYEE--K---E---IT---E-
	Aqu. pyrophilus	CAA75781	-----S---S---C---AGL	KAKCFKYEE--K---E---IT---E-
	Cal. hydrogenophilum	AY845946	-----S---S---C---AGI	KARCTRYEE--K---E---IT---E-
	Sul. azorensis	TIGR_204536	-----Y-QS-KG	LAKFVGYAD--K---RE---IT---E-
	Hyd. marinus	AY845947	-----Y--S-KG	LAQFIGYGD--K---RD---IT---E-
	Cb. tepidum	AAM73407	-----S---QG	MATL-E-SD--K---RE---S-A---Q-
	Por. gingivalis	NP_904694	-----RG	LSEL-S--S-----E-----Q-
	Bact. fragilis	YP_101476	-----KG	LSEL-S--S-----E-----E-
	Cyto. hutchinsonii	ZP_00309494	-----K---DKG	LAEK-D-S-----E-----A-
	Parachlamydia UWE25	CAF23319	-----K---EAG	-AKF-DYAS---T-----S---E-
	Chlam. caviae	AAP05440	-----RA-SAEG	LANFCDYSS---T-----A---E-
	Chlam. pneumoniae	NP_300133	-----RA-SGDG	LASF-DYSS---T-----A---E-
Chl. trachomatis	AAC67915	-----RA-SGDG	LADF-DYSS---T-----A---E-	
Chl. muridarum	AAF39428	-----RA-SGDG	LADF-DYSS---T-----A---E-	
Other Gram(-)ve Bacteria	Bor. burgdorferi	AAC66866	-----SIYCS-LN	KDAK-LKYED-----AR-I--E-
	Tre. pallidum	NP_218626	-----S---SYC--KF	-DKQLKY-E-----R-L--QS
	Thermos. elongatus	NP_682540	-----MT--AQG	KAQ--KY-E--A-----A---E-
	Nostoc sp. PCC 7120	NP_488377	-----MT--ALG	QAV-KGY-----A---E-
	Gloe. violaceus	NP_926874	-----MT--ALG	RAK-KKY-E--Q-----A---E-
	D. radiodurans	NP_294032	-----FTA-SAD	PTIETL-Y---K-----A---Q-
	The. thermophilus	YP_005703	-----L-Y-A-AEN	PNVEVKDYGE--K---R-----A---E-
	T. maritima	NP_229302	---I---S-----KY-SLKG	LAQYIPY---K-----IT---E-
	Cor. glutamicum	NP_599741	-----T-----K---D--	PELNE-F---S--K---E-----I---Q-
	Tro. whipple	CAD66811	-----SR--SERL	PSNTNVKQD--A--S---RQ-----I--I--E-
	Str. coelicolor	CAA54329	---I-----K--HDA-	PDINE-S-----K---RQ-----SIA---Q-
	Myc. tuberculosis	NP_215199	-----K--HDKF	PDLNETK-----RQ-----IA---Q-
	Bif. longum	AAN24905	-----SK--HEEF	PDVNPYD-N---S---A-----IA-I--Q-
	Clo. acetobutylicum	NP_349735	-----I---EG	KAK-FNYEE--K---E-----A---E-
	Bac. halodurans	BAB03851	-----RS	GK-V-M-Y-A--G---RE---S-A---E-
Sta. aureus	NP_645320	-----A-----NG	DSV-QSY-M-----E-----I--Q-	
Gram(+)-ve Bacteria	Lis. innocua	CAC98028	-----KG	FAD-Q-Y---G---RE---S-A---Q-

VEGG
VEGG
MPGG