

# Bacteroidetes and Chlorobi Signature (ATP Synthase $\alpha$ )

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		295		346
<b>Bacteroidetes and Chlorobi</b>	Cyt. hutchinsonii	23136160	GDVFYLSRLLERAAKINKSD	EIAAAMNDLPESLKGIVK GGGSLTALPIIET
	Bact. thetaiotaomicron	29346128	--I-----I-EE	-V-RE-----V-----
	Bact. fragilis	Sanger817	--I-----INQE	-V-RE-----K-----
	Tan. forsythensis	TIGR203275	--I-----ISQQ	DV-EQ-----V-K-----
	Pre. intermedia	TIGR246198	-----R--DQQ	---EQ-----CM-H-----
<b>Other Proteobacteria</b>	Cb. tepidum	21674843	-----TDDI	-V-KK-----P--PL-----V--
	Bru. melitensis	17986533	-----L-DEN	-----L-----V--
	C. crescentus	16127679	-----L-EDN	-S-----
	Ri. prowazekii	15604635	-----MS-EK	-----
	A. tumefaciens	15889879	-----LSDM	-A-----V--
	Rho. rubrum	114525	-----L-DDN	-A-----V--
	Geo. metallireducens	23054149	-----LSDDC	-A-----
	Des. vulgaris	5811566	-----V-D-L	-A-----
	Myx. xanthus	584805	----V-----LSDDE	-A-----
	Hel. pylori	18075728	----I-----LCDEK	-A-----V--
<b><math>\beta</math>,<math>\gamma</math>- Proteobacteria</b>	Camp. jejuni	13509079	-----S-L-DEL	-A-----
	E. coli	41030	-----MLQRV-AEY	+VE-FTKGGEVKG KT-----
	X. fastidiosa	22997185	-----RVSEEY	+VEKFTQGEVKG KT-----
	Pas. multocida	15603357	-----SRV-EEY	+VERFTNGEVKG KT-----
	Buch. aphidicola	2827020	-----SRVS-EH	+VKNVTGKITG KT-----
	Nit. europaea	22954244	-----RV-ADY	+VEK-TGGKVKG KT-----
	Ral. solanacearum	17548036	-----RV-AEH	+IEKITNGEVKG KT-----V--
	Nei. meningitidis	15677766	-----RV-EHE	+VEKLTNGEVKG KT-----
<b>Other Gram-ve Bacteria</b>	Burk. fungorum	22984570	-----RVSEDY	+VEKFTNGEVKG KS-----V--
	Aqu. aeolicus	15606090	-----L-DDL	-A-----
	Lep. interrogans	24215479	-----LDDKY	-A-----
	Nostoc sp. PCC 7120	17227501	----I-----LSDLE	-K-M-----
	Synechocystis PCC 6803	16329327	----I-----LSDAL	---M---V--
	Synechococcus PCC 6301	114529	-----LSDAL	---M---V--
	Thermosyn. elongatus	22297978	-----L-DAL	---M---VV--
	Cfx. aurantiacus	22970020	-----RL-EEY	-----V--
	Fuso. nucleatum	19703702	-----LSDLE	----I-----
	T. maritima	15644360	--I-----VRL-DKL	-----V--
<b>Gram-positive Bacteria</b>	Clo. pasteurianum	14715604	-----LSDKL	----I-----
	Clo. acetobutylicum	15896121	-----LSQKL	----I-----
	Bif. longum	23336546	-----C--VSDDL	---M-G--V--
	Thermobifida fusca	23018732	-----C--LSDEM	-A---G-----
	Myc. leprae	15827574	-----C--LADHL	-----G-----
	Cor. efficiens	25027869	-----LSDDL	-A--I-----
	Str. coelicolor	21223731	-----C--LSDAE	-A--M-G--V--
	Lis. monocytogenes	16804569	-----L-D-L	----I----FV--
	Bac. subtilis	16080736	-----LSDAK	-A--I----FV--
	Bac. anthracis	21397779	-----LSDAK	-----F--
	Oceano. iheyensis	23100432	-----LSDAK	-----FV--
	Sta. aureus	15925095	-----L-DDL	----I-----
	Lac. lactis	15082071	-----LSDDL	---M---F--
	Ent. faecium	22991786	-----LSDDL	---M---FV--
	Strep. pyogenes	19745845	-----S--VSDDL	---I---F--
M. genitalium	12045263	-----C-L-DEN	----I-----	