ParA and ParB homologues in bacterial chromosomes and plasmids

organism	chromosome/plasmid	ParA/Soj*	ParB/Spo0J*	Classification
Archaeoglobus fulgidus	chromosome	-	-	Archaea
Methanobacterium thermoautotrophicum	chromosome	MTH1456	-	Archaea
Pyrococcus abyssi	chromosome	PAB0852	-	Archaea
Pyrococcus horikoshii	chromosome	PH0768	-	Archaea
Methanococcus jannaschii	chromosome	MJECL24	-	Archaea
Aeropyrum pernix	chromosome	-	-	Archaea
Aquifex aeolicus	chromosome	-	-	Aquificales
Thermotoga maritima	chromosome	-	-	Thermotogales
Deinococcus radiodurans	chromosome I [2.6Mb]	DR0013	DR0012	Thermus/Deinococcus
Deinococcus radiodurans	chromosome II [0.4Mb]	DRA0001	DRA0002	Thermus/Deinococcus
Deinococcus radiodurans †	megaplasmid	DRB0001 DRB0031	DRB0002 DRB0030	Thermus/Deinococcus
Deinococcus radiodurans	plasmid	-	DRC0025	Thermus/Deinococcus
Mycobacterium avium	chromosome	+	+	Firmicutes
Mycobacterium leprae	chromosome	ORF278	ORF333	Firmicutes
Mycobacterium bovis	chromosome	+	+	Firmicutes
Mycobacterium tuberculosis	chromosome	Rv3918c	Rv3917c	Firmicutes
Corynebacterium diphtheriae	chromosome	+	+	Firmicutes
Streptomyces coelicolor	chromosome	StH24.08	StH24.09	Firmicutes
Clostridium difficile	chromosome	+	+	Firmicutes
Bacillus stearothermophilus	chromosome	+	+	Firmicutes
Bacillus subtilis	chromosome	Soj	Spo0J	Firmicutes
Bacillus anthracis	chromosome	+	+	Firmicutes
Listeria monocytogenes	chromosome	+	+	Firmicutes
Enterococcus faecalis	chromosome	+	+	Firmicutes
Staphylococcus aureus	chromosome	-	+	Firmicutes
Lactococcus lactis	chromosome	-	+	Firmicutes
Streptococcus mutans	chromosome	-	+	Firmicutes
Streptococcus pneumoniae	chromosome	-	SPSpoJ	Firmicutes
Ureaplasma urealyticum	chromosome	-	-	Firmicutes
Mycoplasma genitalium	chromosome	-	-	Firmicutes
Mycoplasma pneumoniae	chromosome	-	-	Firmicutes
Clostridium acetobutylicum	chromosome	+	+	Firmicutes
Porphyromonas gingivalis	chromosome	+	+	CFB
Chlorobium tepidum	chromosome	+	+	Green sulfur
Chlamydia pneumoniae	chromosome	CPn0805	CPn0684	Chlamydiales
Chlamydia trachomatis	chromosome	CT582	CT688	Chlamydiales
Chlamydophila psittaci	chromosome	+	+	Chlamydiales
Synechocystis sp.	chromosome	-	-	Cyanobacteria
Treponema denticola	chromosome	+	+	Spirochaetales
Treponema pallidum	chromosome	TP0272	TP0271	Spirochaetales
Borrelia burgdorferi	chromosome	BB0431	BB0434	Spirochaetales
Helicobacter pylori	chromosome	HP1139	HP1138	Proteobacteria ε
Campylobacter jejuni	chromosome	Cj0100	Cj0101	Proteobacteria ε
Desulfovibrio vulgaris	chromosome	+	+	Proteobacteria δ
Geobacter sulfurreducens	chromosome	+	+	Proteobacteria δ
Sinorhizobium meliloti	chromosome	-	-	Proteobacteria α
Caulobacter crescentus	chromosome	ParA	ParB	Proteobacteria α
Rhodobacter sphaeroides	chromosome	-	-	Proteobacteria α
Rickettsia prowazekii	chromosome	RP058	RP059	Proteobacteria α
Thiobacillus ferrooxidans	chromosome	+	+	Proteobacteria γ
Ralstonia eutropha	pMOL28	ParA28	ParB28	Proteobacteria β
Bordetella bronchiseptica	chromosome	+	-	Proteobacteria β
Bordetella pertussis	chromosome	+	+	Proteobacteria β
Neisseria meningitidis A	chromosome	NMA0076	NMA0508	Proteobacteria β
Neisseria meningitidis B	chromosome	NMB0191	NMB1944	Proteobacteria β
Neisseria gonorrhoeae	chromosome	+	+	Proteobacteria β
Xylella fastidiosa	chromosome	XF2282	XF2281	Proteobacteria γ
Legionella pneumophila	chromosome	-	-	Proteobacteria γ
Coxiella burnetii	QpH1	QsopA	QsopB	Proteobacteria γ
Coxiella burnetii	QpDV	SopA	SPSpoJ	Proteobacteria γ
Pseudomonas putida	chromosome	ORF263	ORF290	Proteobacteria γ
Pseudomonas aeruginosa	chromosome	PA5563	PA5562	Proteobacteria γ
Shewanella putrefaciens	chromosome	+	+	Proteobacteria γ
Escherichia coli	chromosome	-	-	Proteobacteria γ
Escherichia coli	F	SopA	SopB	Proteobacteria γ
Escherichia coli	Bacteriophage P1	ParA	ParB	Proteobacteria γ
Escherichia coli	Bacteriophage P7	ParA	ParB	Proteobacteria γ
Escherichia coli	Bacteriophage N15	gp28	gp27	Proteobacteria γ
Escherichia coli O157	pO157	SopA	SopB	Proteobacteria γ
Shigella sp.	invasion plasmid	-	IpaR/VirB	Proteobacteria γ
Buchnera sp.	chromosome	-	-	Proteobacteria γ
Salmonella typhimurium	chromosome	-	-	Proteobacteria γ
Salmonella typhi	chromosome	-	-	Proteobacteria γ
Salmonella paratyphi A	chromosome	-	-	Proteobacteria γ
Salmonella enteritidis	chromosome	-	-	Proteobacteria γ
Yersinia enterocolitica	pYVe227	SpyA	SpyB	Proteobacteria γ
Yersinia pestis	chromosome	-	-	Proteobacteria γ
Yersinia pestis	pCD1	SopA	SopB	Proteobacteria γ
Yersinia pestis	pMT1	ParA	ParB	Proteobacteria γ
Pasteurella multocida	chromosome	-	-	Proteobacteria γ
Klebsiella pneumoniae	chromosome	-	-	Proteobacteria γ
Actinobacillus actinomycetemcomitans	chromosome	-	-	Proteobacteria γ
Haemophilus influenzae	chromosome	-	-	Proteobacteria γ
Vibrio cholerae	chromosome [3.0Mb]	VC2773	VC2772	Proteobacteria γ
Vibrio cholerae	chromosome [1.1Mb]	VCA1115	VCA1114	Proteobacteria γ