

Supporting information for Moreno and Moriyón (2002) *Proc. Natl. Acad. Sci. USA* **99** (1), 1–3.
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Table 1. Available or in-progress chromosome sequences from free-living and parasitic α -*Proteobacteria*

Bacterium	Plasmids, Mb	Chromosome I, Mb	Chromosome II, Mb	G + C %	Preferred habitat and host
<i>Rickettsia prowazekii</i>	–	1.11	None	29	Intracellular pathogen of humans and louse
<i>Rickettsia conorii</i>	–	1.27	None	33	Intracellular pathogen of dogs and ticks
<i>Rickettsia typhi</i>	–	1.40	None	29	Intracellular pathogen of rats, lice, and fleas
<i>Bartonella quintana</i>	–	1.60	None	39	Pericellular pathogen of humans and lice
<i>Bartonella henselae</i>	–	1.90	None	41	Intracellular pathogen of cats and lice
<i>Brucella suis</i>	–	1.85	1.35	57	Intracellular pathogen of swine
<i>Brucella abortus</i>	–	2.12	1.17	57	Intracellular pathogen of bovines
<i>Brucella melitensis</i>	–	2.12	1.18	57	Intracellular pathogen for caprines and ovines
<i>Rhodobacter capsulatus</i>	+	3.70	None	66	Aquatic and free-living photoorganotroph
<i>Sphingomonas aromaticivorans</i>	+	3.80	None	64	Free living in deep terrestrial sediments
<i>Rhodobacter sphaeroides</i>	+	3.05	0.91	65	Aquatic and free-living photoorganotroph
<i>Caulobacter crescentus</i>	+	4.00	None	67	Aquatic free-living dimorphic stalked bacterium
<i>Magnetospirillum magnetotacticum</i>	+	4.50	None	65	Aquatic free living in stratified waters columns
<i>Agrobacterium tumefaciens</i>	+	3.15	2.15	62	Soil-living and pericellular pathogen of plants
<i>Rhodopseudomonas palustris</i>	+	5.46	None	65	Soil and aquatic free-living photoorganotroph
<i>Sinorhizobium meliloti</i>	+	3.65	1.35, 1.68*	63	Soil living and endosymbiont of legumes
<i>Mesorhizobium loti</i>	+	7.00	None	62	Soil living and endosymbiont of legumes

*Because of the presence of essential genes, these megareplicons may be considered as chromosomes rather than plasmids.