

Supplementary Table S2. Prediction of prophages in *Rickettsia* chromosomes.

Phylogroup	Species	Chromosome size bp	Number of prophages	Size of prophages Kb	Total size Kb (%)
TG	<i>R. prowazekii</i> Rp22	1,111,612	-	-	-
CG	<i>R. canadensis</i> McKiel	1,159,772	-	-	-
SFGI	<i>R. raoultii</i> Khabarovsk	1,344,642	2	6.7 / 8.1	14.8 (0,0011)
SFGI	<i>R. tamurae</i> AT-1	1,357,921*	1	31.8	31.8 (0,0023)
SFGII	<i>R. asemboensis</i> NMRCii	1,355,051*	-	-	-
SFGI	<i>R. massiliae</i> MTU5	1,360,898	2	26.6 / 21.7	48.3 (0,0035)
SFGI	<i>R. endo. of I. pacificus</i> Humbolt	1,482,156	1	5.9	5.9 (0,0004)
SFGII	<i>R. felis</i> URRWXcal2	1,485,148	2	6.5 / 7.5	14 (0,0009)
BG	<i>R. bellii</i> RML369-C	1,522,076	3	8.7 / 7.8 / 6.6	23.1 (0,0015)
SFGI	<i>R. buchneri</i> REIS	1,776,098*	9	6 / 6.5 / 5.7 / 8.1 / 7.3 / 9.3 / 8.2 / 7 / 10.9	69 (0,0039)
SFGII	<i>R. hoogstraalii</i> RCCE3	2,303,093*	1	15.4	15.4 (0,0007)

*, draft chromosome.