

**ParaC Pan-genome 2.** Summary statistics for pan-genomic contents of Ragna plus 219 modern genomes of the Para C Lineage.

	Ragna	Modern genomes of Para C Lineage				
		Average	Median	S.D.	Min.	Max.
Average Read Length	36	171	201	67	37	263
Coverage	7.3	53	41	33	15	187
N50	N.A.	159,880	175,531	58,783	27,234	302,177
Total length	4,674,067	4,789,681	4,795,755	77,844	4,508,504	4,985,340
Contigs ( $\geq 200$ bp)	N.A.	87	71	41	38	316
Genes	4,522	4,388	4,398	99	3,990	4,590
Pseudogenes	124	181	178	27	64	282
Core genes	3,463	3,419	3,424	23	3,327	3,501
Core pseudogenes	79	123	118	23	41	215
Accessory genes	1,059	969	968	89	646	1,178
Accessory pseudogenes	45	58	59	6	23	70
Prophages	5	5	5	1	1	6
Prophage genes	182	177	178	60	28	328
Prophage pseudogenes	7	9	10	2	2	13
Plasmids	2	1	1	1	0	3
Plasmid genes	70	72	55	53	0	273
Plasmid pseudogenes	5	5	5	2	0	16
ICEs	2	2	2	1	0	2
ICE genes	100	57	93	41	0	100
ICE pseudogenes	5	4	5	3	0	9
IMEs	4	4	4	0	3	6
IME genes	19	19	19	3	11	52
IME pseudogenes	0	0	0	0	0	2
Frameshifts	71	100	98	19	35	187
Stop codons	53	80	77	12	27	98

N.A.: Not Applicable