Species	No. of chrms	Average genome size	Genome C+G contentd (%)
Archaeans			
Crenarchaeota	42	20,72,521	43.2
Euryarchaeota	6	33,88,400	63.3
Nanoarchaeota	8	1,35,584	27.6
Thaumarchaeota	5	19,70,970	43
Bacteria: Gram-positive			
Actinobacteria	37	51,62,387	67
Firmicutes	59	33,60,830	40.1
Tenericutes	88	8,57,257	29.3
Bacteria: Gram-negative			
Aquificae	14	16,38,805	38.7
Deinococcus	7	30,64,306	67.3
Fusobacteria	7	24,99,267	30.2
Nitrospirae	4	28,21,645	51.6
Planctomycetes	33	18,92,222	58.4
Proteobacteria	130	31,95,588	53.3
Spirochaetes	47	19,37,957	43
Verrucomicrobia	4	36,64,906	57.5
Fungi			
Ascomycota	61	1,74,87,539	48.2
Basidiomycota	42	1,87,62,089	48.2
Microsporidia	36	22,18,723	41.8
Protists			
Alveolata	7	81,25,950	26.5
Cryptophyta	14	5,40,299	26
Dicot plants			
Arabidopsis thaliana	5	11,89,60,141	36
Medicago truncatula	8	24,51,76,270	33.2
Populus trichocarpa	20	26,09,60,130	33.3
Solanum lycopersicum	10	71,89,69,627	34
Solanum tuberosum	12	57,83,93,875	34.7
Vitis vinifera	19	29,02,37,009	34.4
Monocot plants			
Brachypodium distachyon	10	22,40,12,348	46.3
Oryza sativa	12	37,07,33,456	43.6
Sorghum bicolor	9	54,91,32,399	43.8
Zea mays	10	2,03,18,24,535	46.9
Animals: non-mammalian			
Apis mellifera	14	16,45,85,183	34.7
Caenorhabditis elegans	6	10,02,69,912	35.4
Danio rerio	26	1,47,48,35,229	36.8
Drosophila melanogaster	6	12,02,90,946	42.4
Gallus gallus	33	1,16,94,12,079	42.1
Taeniopygia guttata	35	1,01,49,70,640	41
Animals: non-primate mammalian			

Bos taurus	9	1,06,89,12,767	40.9
Canis lupus familiaris	11	89,86,13,247	41.8
Equus caballus	32	2,33,54,54,483	41.2
Mus musculus	26	1,13,58,01,574	41.2
Oryctolagus cuniculus	23	2,60,39,78,348	43.7
Rattus norvegicus	45	5,05,87,33,204	42
Sus scrofa	19	2,23,12,81,778	41.7
Animals: primate			
Callithrix jacchus	23	2,17,72,35,585	41.1
Homo sapiens	190	2,80,44,41,965	40.9
Macaca mulatta	23	2,87,10,02,222	40.9
Pan troglodytes	25	2,75,23,54,403	40.7
Pongo abelii	26	3,09,35,20,335	40.7

Genome	(A+T)/(C+G)	Spearman correlation (chr size and C+G)e (R)
	1.32	−0.52f **
	0.58	0.60 NS
	2.62	0.62 NS
	1.33	0.50 NS
	0.49	0.73 **
	1.49	0.03 NS
	2.41	0.11 NS
	1.59	−0.06 NS
	0.49	0.18 NS
	2.31	0.43 NS
	0.94	0.80 NS
	0.71	0.33 NS
	0.88	0.84 **
	1.32	0.27 NS
	0.73	0.80 NS
	1.08	0.47 **
	1.08	0.05 NS
	1.39	0.14 NS
	2.77	0.14 NS
	2.84	−0.27 NS
	1.78	−0.20 NS
	2.02	−0.31 NS
	2	−0.06 NS
	1.95	0.49 NS
	1.88	0.64 *
	1.9	0.37 NS
	1.16	−0.47 NS
	1.3	0.47 NS
	1.28	0.32 NS
	1.13	−0.44 NS
	1.88	0.27 NS
	1.82	−0.54 NS
	1.72	0.27 NS
	1.36	0.26 NS
	1.37	−0.81 **
	1.44	−0.91 **

1.44 0.02 NS
1.39 −0.08 NS
1.42 −0.10 NS
1.42 0.21 NS
1.29 −0.50 **
1.38 −0.23 NS
1.4 0.01 NS

1.43 −0.31 NS
1.44 −0.12 NS
1.45 [−0.48 *](#)
1.46 −0.56 **
1.46 −0.43 **