

Kingdom, phylum, or spe	No. of chrs	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			
<i>Arabidopsis thaliana</i>	5	11,89,60,141	36
<i>Medicago truncatula</i>	8	24,51,76,270	33.2
<i>Populus trichocarpa</i>	20	26,09,60,130	33.3
Solanum lycopersicum g	10	71,89,69,627	34
<i>Solanum tuberosum</i>	12	57,83,93,875	34.7
<i>Vitis vinifera</i>	19	29,02,37,009	34.4
Monocot plants			
<i>Brachypodium distachyon</i>	10	22,40,12,348	46.3
<i>Oryza sativa</i>	12	37,07,33,456	43.6
<i>Sorghum bicolor</i>	9	54,91,32,399	43.8
<i>Zea mays</i>	10	2,03,18,24,535	46.9
Animals: non-mammalian			
<i>Apis mellifera</i>	14	16,45,85,183	34.7
<i>Caenorhabditis elegans</i>	6	10,02,69,912	35.4
<i>Danio rerio</i>	26	1,47,48,35,229	36.8
<i>Drosophila melanogaster</i>	6	12,02,90,946	42.4
<i>Gallus gallus</i>	33	1,16,94,12,079	42.1
<i>Taeniopygia guttata</i>	35	1,01,49,70,640	41
Animals: non-primate mammalian			

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