

## Eukaryotic Genome Sizes and Gene Numbers

Species	Genome size (Mb)	$Nu$	No. of genes
<i>Encephalitozoon cuniculi</i>	2.90	0.00351	1997
<i>Cryptosporidium parvum</i>	10.40	0.02331	4500
<i>Saccharomyces cerevisiae</i>	12.05	0.02294	6213
<i>Giardia lamblia</i>	12.30	0.00759	5800
<i>Candida</i> sps.	13.50	-----	9260
<i>Schizosaccharomyces pombe</i>	13.80	-----	4824
<i>Cryptococcus neoformans</i>	20.00	0.02526	-----
<i>Plasmodium falciparum</i>	22.85	0.00082	5268
<i>Leishmania major</i>	33.60	0.00521	8600
<i>Dictyostelium discoideum</i>	34.00	0.01825	9000
<i>Trypanosoma</i> sps.	39.20	0.00657	10000
<i>Neurospora crassa</i>	42.90	0.01130	13000
<i>Toxoplasma gondii</i>	87.00	0.00688	10000
<i>Caenorhabditis elegans</i>	100.26	0.00328	21200
<i>Arabidopsis thaliana</i>	125.00	0.00323	25498
<i>Drosophila melanogaster</i>	137.00	0.00374	13676
<i>Ciona intestinalis</i>	156.00	0.00305	16000
<i>Schistosoma</i> sps.	270.00	-----	17500
<i>Anopheles gambiae</i>	278.00	0.00298	13683
<i>Fugu rubripes</i>	365.00	0.00101	38000
<i>Oryza sativa</i>	466.00	0.00077	60256
<i>Strongylocentrotus purpuratus</i>	800.00	0.00230	27350
<i>Mus musculus</i>	2500.00	0.00027	30000
<i>Homo sapiens</i>	2900.00	0.00031	30000
<i>Zea mays</i>	3000.00	0.00330	50000