

















Genome Size				
<ul> <li>The genomes vary widely in size:</li> <li>Few thousand base pairs for viruses to 2         <ul> <li>3 £ 10<sup>11</sup>bp for certain amphibian and flowering plants.</li> <li>Coliphage MS2 (a virus) has the smallest genome: only 3.5 £ 10<sup>3</sup>bp.</li> <li>Mycoplasmas (a unicellular organism) has the smallest cellular genome: 5 £ 10<sup>5</sup>bp.</li> <li>C. elegans (nematode worm, a primitive multicellular organism) has a genome of size » 10<sup>8</sup>bp.</li> </ul> </li> </ul>	Species	Haploid Genome Size	Chromoso me Numer	
	E. Coli	4.64 £ 10 <sup>6</sup>	1	
	S.cerevisae	1.205 £ 10 <sup>7</sup>	16	
	C. elegans	10 <sup>8</sup>	11/12	
	D. melanogaster	1.7 £ 10 <sup>8</sup>	4	
	M. musculus	3 £ 109	20	
	H. sapiens	3£109	23	
	A. Cepa (Onion)	1.5 £ 10 <sup>10</sup>	8	
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