

## Organism Sequencing Status

September 2007

Organism	Sequencing Center	Q20 bases in trace repository	Additional Notes
Rat, <i>Rattus norvegicus</i>	BCM	26,127,838,457	Assembled and released; Genome refinement sequencing ongoing

### 2x mammals

Hyrax, <i>Procavia capensis</i>	BCM	6,885,563,664	2x coverage sequencing complete, in assembly
Pangolin, <i>Manis pentadactyla</i>	WUGSC	5,691,872,300	2x coverage sequencing ongoing
Sloth, <i>Choloepus hoffmanni</i>	WUGSC	6,600,490,000	2x coverage sequencing complete, in assembly
Alpaca, <i>Vicugna pacos</i>	WUGSC	6,600,228,700	2x coverage sequencing ongoing
Mouse Lemur, <i>Microcebus murinus</i>	BI/MIT	5,201,000,000	2x coverage sequencing complete, in assembly
Tarsier, <i>Tarsier syrichta</i>	WUGSC	7,679,990,256	2x coverage sequencing complete, in assembly

### Increased coverage of 2x mammals

Hydra, <i>Hydra magnipapillata</i>	JCVI	7,985,976,353	6x coverage sequencing complete, in assembly
Nine-banded Armadillo, <i>Dasypus novemcinctus</i>	BCM	12,385,560,882	6x coverage sequencing ongoing
Little Brown Bat, <i>Myotis lucifugus</i>	BI/MIT	6,524,763,889	Sequencing ongoing
Elephant, African Savannah, <i>Loxodonta africana africana</i>	BI/MIT	15,773,080,662	6x coverage sequencing ongoing
Guinea Pig, <i>Cavia porcellus</i>	BI/MIT	14,126,481,954	6x coverage sequencing ongoing

### Additional Projects

Acorn worm, <i>Saccoglossus kowalevskii</i>	BCM	5,716,883,373	6x coverage sequencing ongoing
Chicken, <i>Gallus gallus</i>	WUGSC	9,390,433,354	Genome refinement sequencing ongoing
Chimpanzee, <i>Pan troglodytes</i>	WUGSC and BI/MIT	26,546,298,490	Genome refinement sequencing ongoing
Choanoflagellate, <i>Monosiga ovata</i>	WUGSC		6x coverage sequencing ongoing
Fungus, <i>Microsporium gypseum</i>	BI/MIT	*traces deposited	6x coverage sequencing ongoing
Dog, <i>Canis familiaris</i>	BI/MIT	22,715,336,441	Genome refinement sequencing ongoing
Lamprey, <i>Petromyzon marinus</i>	WUGSC	9,596,516,026	6x coverage sequencing complete, in assembly
Roundworm, <i>Caenorhabditis japonica</i>	WUGSC	650,356,416	6x coverage sequencing complete, in assembly
Roundworm, <i>Caenorhabditis n. sp. CB5161</i>	WUGSC		9x coverage sequencing complete, in assembly
Roundworm, <i>Caenorhabditis remanei</i>	WUGSC	1,457,554,791	9x coverage sequencing complete, in assembly
Sandfly, <i>Lutzomyia longipalpis</i>	BCM and WUGSC		Sequencing ongoing, BAC library construction and BAC-end sequencing
Sandfly, <i>Phlebotomus papatasi</i>	BCM and WUGSC	373,518,800	Sequencing ongoing, BAC library construction and BAC-end sequencing
Spirotrich ciliate, <i>Oxytricha trifallax [macronucleus + equivalent micronucleus sequences]</i>	WUGSC	550,434,457	6x coverage sequencing ongoing, 4x sequence in assembly in Jan 2007
Structural Variation, <i>Homo sapiens</i>	Agencourt		Sequencing ongoing, fosmid-end sequencing
Slime mold, <i>Physarum polycephalum</i>	WUGSC	*traces deposited	6x coverage sequencing ongoing
Amoeba, <i>Acanthamoeba</i>	BCM	*traces deposited	6x coverage sequencing complete, in assembly

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<i>castellanii</i>			
<b>Rhodnius</b> , <i>Rhodnius prolixus</i>	WUGSC	*traces deposited	6x coverage sequencing ongoing
<b>Pea Aphid</b> , <i>Acyrtosiphon pisum</i>	BCM	1,176,364,847	6x coverage sequencing complete, in assembly
<b>Mosquito</b> , <i>Anopheles gambiae</i> (M strain)	WUGSC	4,485,799,889	6x coverage sequencing complete, in assembly
<b>Mosquito</b> , <i>Anopheles gambiae</i> (S strain)	JCVI	1,798,929,352	8x coverage sequencing ongoing
<b>Nematode</b> , <i>Pristionchus pacificus</i>	WUGSC	1,458,917,786	9x coverage sequencing ongoing
<b>Trichinosis vector</b> , <i>Trichinella spiralis</i>	WUGSC	2,449,817,500	Genome refinement sequencing complete, in assembly
<b>Entomopathogenic Nematode</b> , <i>Heterorhabditis bacteriophora</i>	WUGSC		6x coverage sequencing ongoing
<b>Freshwater Snail</b> , <i>Biomphalaria glabrata</i>	WUGSC	55,102,644	6x coverage sequencing ongoing
<b>Sea slug</b> , <i>Aplysia californica</i>	BI/MIT	4,657,790,426	6x coverage sequencing complete, in assembly
<b>Xenopus</b> , <i>Xenopus tropicalis</i>	JGI	13,370,087,872	Sequencing ongoing
<b>Zebra finch</b> , <i>Taeniopygia guttata</i>	WUGSC	7,068,079,387	6x coverage sequencing complete, in assembly
<b>Wallaby</b> , <i>Macropus eugenii</i>	BCM-HGSC, AGRF	6,064,601,889	2x coverage sequencing ongoing
<b>Rhesus Macaque</b> , <i>Macaca mulatta</i>	Baylor; JCVI; WUGSC	20,770,023,129	Targeted BAC finishing of 1000 BACs sequencing ongoing
<b>Orangutan</b> , <i>Pongo pygmaeus</i>	BCM and WUGSC	9,648,667,981	6x coverage sequencing ongoing
<b>Marmoset</b> , <i>Callithrix jacchus</i>	BCM and WUGSC	19,824,075,162	6x coverage sequencing ongoing
<b>Gibbon</b> , <i>Nomascus leucogenys</i>	WUGSC	5,077,804,230	BAC-end sequencing complete 6x coverage sequencing ongoing
<b>Human gut microbiome</b>	WUGSC		Sequencing ongoing, genomes of 100 bacterial commensals from gut
<b>Fungal Genome Initiative (FGI)</b>	BI/MIT		
<i>Cryptococcus neoformans</i> Serotype B			8x coverage sequencing ongoing
<i>Podospora anserina</i>			Sequencing ongoing
<i>Schizosaccharomyces octosporus</i>			8x coverage sequencing ongoing

## Organisms Assembled and Released Prior to May 2007

- 6x - Anole Lizard, *Anolis carolinensis*: February 2007
- 2x - Armadillo, Nine-banded, *Dasyurus novemcinctus*
- 2x - Bat, *Pteropus vampyrus*
- 2x - Bat, Little Brown, *Myotis lucifugus*: June 2006
- 8x - Body Louse, *Pediculus humanus*: April 2007
- 2x - Bushbaby/Galago, *Otolemur garnetti*: June 2006
- 2x - Cat, *Felis catus*: February 2006
- 7x - Chicken, *Gallus gallus*
- 6x - Chimpanzee, *Pan troglodytes*
- 7x - Cow, *Bos Taurus*: July 2006
- 7x - Dog, *Canis familiaris*
- 2x - Dolphin, *Tursiops truncatus*: October 2006
- 2x - Elephant, African Savannah, *Loxodonta africana Africana*
- 2x - European common Shrew, *Sorex araneus*: November 2005
- 2x - European Hedgehog, *Erinaceus europeus*: January 2006
- 10x - Fruit fly, *Drosophila simulans*: May 2004
- 10x - Fruit fly, *Drosophila yakuba*: January 2006
- 8x - Fruit fly, *Drosophila ananassae*: August 2005
- 8x - Fruit fly, *Drosophila erecta*: August 2005
- 8x - Fruit fly, *Drosophila grimshawi*: August 2005
- 8x - Fruit fly, *Drosophila mojavensis*: August 2005
- 3x - Fruit fly, *Drosophila persimilis*: August 2005
- 5x - Fruit fly, *Drosophila sechellia*: September 2005
- 8x - Fruit fly, *Drosophila virilis*: August 2005
- 8x - Fruit fly, *Drosophila willistoni*
- 7x - Gray Short-Tailed Opossum, *Monodelphis domestica*: October 2004
- 2x - Guinea Pig, *Cavia porcellus*: November 2005
- 6x - Honeybee, *Apis mellifera*
- 8x - Honeybee, *Apis mellifera*: March 2006
- 2x - Horse, *Equus caballus*
- 7x - Horse, *Equus caballus*: January 2007
- 6.5x - Mouse, *Mus musculus*: March 2005
- 1x - Parasitoid Wasp, *Nasonia giraulti*
- 6x - Parasitoid Wasp, *Nasonia longicornis*
- 6x - Parasitoid Wasp, *Nasonia vitripennis*: July 2006
- 2x - Pika, *Ochotona princeps*: April 2007
- 12x - Planarian, *Schmidtea mediterranea*: November 2006
- 9x - Platypus, *Ornithorhynchus anatinus*: December 2005
- Pufferfish, *Tetraodon nigroviridis*
- 2x - Rabbit, *Oryctolagus cuniculus*
- 7x - Red Flour Beetle, *Tribolium castaneum*: September 2005
- 6x - Rhesus Macaque, *Macaca mulatta*: February 2006
- 6x - Roundworm, *Caenorhabditis briggsae*
- Sea Squirt, *Ciona savignyi*
- 8x - Sea Urchin, *Strongylocentrotus purpuratus*: July 2006
- 2x - Squirrel, *Spermophilus tridecemlineatus*: June 2006
- 2x - Tenrec, Lesser Hedgehog, *Echinops telfairi*
- 9x - Threespine Stickleback, *Gasterosteus aculeatus*: January 2006
- 2x - Tree shrew, *Tupaia belangeri*: June 2006
- 10x - Yeast, *Saccharomyces kluyveri*: November 2005

Physical Map - Zebra finch, *Taeniopygia guttata*

Finished Sequence - Roundworm, *Caenorhabditis elegans*

## Organisms Assembled and Released Prior to May 2007

### Fungal Genome Initiative

<i>Aspergillus nidulans</i>	13x genome assembly released February 2003
<i>Coprinus cinereus</i>	10x genome assembly released July 2006
<i>Cryptococcus neoformans Serotype A</i>	11x genome assembly released May 2003
<i>Pneumocystis carinii (human and mouse)</i>	Assembled and released
<i>Rhizopus oryzae</i>	14x genome assembly released August 2005
<i>Ustilago maydis</i>	genome assembly released in May 2003
<i>Agaricus bisporus</i>	Assembled and released
<i>Candida albicans</i> (Strain WO-1)	10x genome assembly released October 2005
<i>Candida guilliermondii</i>	12x genome assembly released December 2004
<i>Candida tropicalis</i>	9x genome assembly released November 2005
<i>Lodderomyces elongisporus</i>	9x genome assembly released June 2006
<i>Saccharomyces cerevisiae RM11-1a</i>	10x genome assembly released January 2005
<i>Candida lusitaniae</i>	9x genome assembly released December 2004
<i>Chaetomium globosum</i>	Genome assembly released in December 2004
<i>Cryptococcus neoformans Serotype B</i>	Genome assembly released Aug 2004
<i>Histoplasma capsulatum</i>	6x genome assembly released September 2005
<i>Uncinocarpus reesei</i>	5x genome assembly released September 2005
<i>Batrachochytridium dendrobatidis</i>	7x genome assembly released October 2006
<i>Schizosaccharomyces japonicus</i>	9x genome assembly released September 2006
<i>Coccidioides immitis</i>	14x genome assembly released July 2004