

**NHGRI SEQUENCING UPDATE**  
as of 1/30/04

<b>ORGANISM</b>	<b>SEQUNCING CENTER(S)</b>	<b># TRACES IN TRACE REPOSITORY</b>	<b>#DRAFT / #FINISHED BASES</b>	<b>OTHER INFORMATION</b>
<b>MOUSE</b> , <i>Mus musculus</i>	BI/MIT, WUGSC, & Sanger	78,911,650 traces	1,969,313 kb draft 1,360,426 kb finished	The Mouse Genome Sequencing Consortium met in October to refine the finishing standards for the mouse genome, and to discuss how to submit genomic sequence data from whole genome finishing efforts. The group plans to finish the mouse genome in 2 to 3 years.
<b>RAT</b> , <i>Rattus norvegicus</i>	BCM-HGSC	39,609,801 traces	5,065,505 kb draft 40,078 kb finished	The Rat Genome Sequencing Project Consortium has submitted a manuscript that has been accepted to Nature. The RGSPC is now making final-round revisions to that manuscript.
<b>CHICKEN</b> , <i>Gallus gallus</i>	WUGSC	11,725,233 traces		
<b>CHIMPANZEE</b> , <i>Pan troglodytes</i>	WUGSC & BI/MIT	27,506,321 traces		A 4X sequence assembly of the chimpanzee genome was released in December 2003, using both chimpanzee and human sequence data. The centers are now working to gain additional coverage of the chimpanzee genome to assemble it exclusively with chimpanzee sequence data.
<b>DOG</b> , <i>Canis familiaris</i>	BI/MIT	35,015,735 traces		
<b>DROSOPHILA PSEUDOOBSCURA</b>	BCM-HGSC	2,640,686 traces		First freeze assembly of <i>D. pseudoobscura</i> in August 2003.
<b>DROSOPHILA SIMULANS</b>	WUGSC	329,342 traces		
<b>HONEYBEE</b> , <i>Apis mellifera</i>	BCM-HGSC	3,151,456 traces		Assembly version 1.1 released in January 2004
<b>OPOSSUM, LABORATORY</b> , <i>Monodelphis domestica</i>	BI/MIT	6,122,799 traces		
<b>PLANARIAN</b> , <i>Schmidtea mediterranea</i>	WUGSC	1,728,387 traces		
<b>RHESUS MACAQUE</b> , <i>Macaca mulatta</i>	Agencourt, BCM-HGSC, JCVJTC	2,138,280 traces		
<b>SEA URCHIN</b> , <i>Strongylocentrotus purpuratus</i>	BCM-HGSC	7,631,597 traces		
<b>FUNGAL GENOME INITIATIVE</b>	BI/MIT			
<i>Aspergillus nidulans</i>		623,573 traces		13X Genome Assembly released Feb 2003
<i>Aspergillus terreus</i>		3,936 traces		
<i>Coccidioides immitis</i>		529,589 traces		
<i>Coprinus cinereus</i>		711,671 traces		10X Genome Assembly released July 2003
<i>Cryptococcus neoformans</i> Serotype A		362,005 traces		11X Genome Assembly released June 2003
<i>Rhizopus oryzae</i>		770,467 traces		
<i>Ustilago maydis</i>		338,592 traces		10X Genome Assembly released July 2003

BAC Library Production of the NIH Bacterial Artificial Chromosome (BAC) Resource Network

Organism	Ranking	Center	Status
<b>Armadillo, Nine-banded</b> ( <i>Dasypos</i> )	High	BRI	available
<b>Bat, Greater Horseshoe</b> ( <i>Rhinolophus</i> )	High	BRI	available
<b>Bat, Little Brown</b> ( <i>Myotis lucifugus</i> )	High	CHORI	in production
<b>Chimpanzee, male</b> ( <i>Pan troglodytes</i> )	High	CHORI	in production
<b>Deer, Chinese Muntjac</b> ( <i>Muntiacus reevesi</i> )	High	CHORI	in production
<b>Deer, Indian muntjac</b> ( <i>Muntiacus muntjac</i> )	High	CHORI	available
<b>Echidna</b> ( <i>Tachyglossus aculeatus</i> )	High	AGI	in production
<b>Elephant, African</b> ( <i>Loxodonta africana</i> )	High	BRI	available
<b>Finch, Zebra</b> ( <i>Taeniopygia guttata</i> )	Moderate	AGI	completed
<b>Fly, Tsetse</b> ( <i>Glossina morsitans</i> )	High	BRI	in production
<b>Fruitflies</b> ( <i>Drosophila americana</i> , <i>Drosophila</i> )	High	AGI	in production
<b>Galago</b> ( <i>Otolemur garnetti</i> )	High	CHORI	available
<b>Gibbon</b> ( <i>Hylobates concolor</i> )	High	CHORI	in production
<b>Gorilla</b> ( <i>Gorilla gorilla</i> )	High	CHORI	available
<b>Human, haploid</b> ( <i>Homo sapiens</i> )	High	CHORI	in production
<b>Lemur, Black</b> ( <i>Eulemur macaco</i> )	High	CHORI	in production
<b>Lemur, Mouse</b> ( <i>Microcebus murinus</i> )	Moderate	CHORI	available
<b>Lepidoptera</b> ( <i>Bicyclus anynana</i> , <i>Heliothis</i> )	Moderate	AGI	in production
<b>Marmoset</b> ( <i>Callithrix jacchus</i> )	Moderate	CHORI	available
<b>Monkey, Black-and-white Colobus</b>	High	CHORI	in production
<b>Monkey, Owl</b> ( <i>Aotus trivirgatus</i> )	Moderate	CHORI	available
<b>Monkey, Squirrel</b> ( <i>Saimiri</i> sp.)	High	CHORI	available
<b>Monkey, Vervet</b> ( <i>Cercopithecus aethiops</i> )	High	CHORI	available
<b>Mouse</b> ( <i>Mus m. castenus</i> CAST/Ei)	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> A/J)	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> AKR/J)	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> BALB/cByJ)	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> C3H/HeJ)	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> C57/BL6 (Male))	High	CHORI	available
<b>Mouse</b> ( <i>Mus musculus</i> DBA/2J)	High	AGI	available
<b>Mouse</b> ( <i>Mus spretus</i> SPRET/Ei)	High	CHORI	available
<b>Mouse, Deer</b> ( <i>Peromyscus maniculatus</i> )	High	CHORI	in production
<b>Nototheniid fish</b> ( <i>Chaenocephalus</i> )	Moderate	BRI	in production
<b>Nototheniid fish</b> ( <i>Notothenia coriiceps</i> )	High	BRI	in production
<b>Oikopleura dioica</b> (Larvacean)	High	CHORI	in production
<b>Opossum, Laboratory</b> ( <i>Monodelphis</i> )	High	BRI	available
<b>Orangutan, Sumatran</b> ( <i>Pongo pygmaeus</i> )	High	CHORI	available
<b>Oxytricha trifallax</b> micronucleus (ciliate)	High	CHORI	in production
<b>Oyster, Eastern</b> ( <i>Crassostrea virginica</i> )	Moderate	AGI	in production
<b>Oyster, Pacific</b> ( <i>Crassostrea gigas</i> )	Moderate	AGI	in production
<b>Platypus, Duck-billed</b> ( <i>Ornithorhynchus</i> )	High	AGI	available
<b>Rat</b> ( <i>Rattus norvegicus</i> F344)	High	AGI	in production
<b>Rat</b> ( <i>Rattus norvegicus</i> FHH/Eur)	High	BRI	in production
<b>Rat</b> ( <i>Rattus norvegicus</i> SS/JrHsd/Mcwi)	High	BRI	completed
<b>Shark, Nurse</b> ( <i>Ginglymostoma cirratum</i> )	High	AGI	completed
<b>Shrew, European Common</b> ( <i>Sorex araneus</i> )	High	AGI	in production
<b>Shrew, Lesser Tree</b> ( <i>Tupaia minor</i> )	High	CHORI	in production
<b>Snail</b> ( <i>Biomphalaria glabrata</i> )	High	AGI	in production
<b>Squirrel</b>	High	BRI	in production
<b>Tarsier</b>	High	CHORI	in production
<b>Wallaby, Tammar</b> ( <i>Macropus eugenii</i> )	High	AGI	available
<b>Worm, Acorn</b> ( <i>Saccoglossus kowalevskii</i> )	High	AGI	available
<b>Xenopus tropicalis</b> (Clawed Frog) EcoRI	High	BRI	available
<b>Xenopus tropicalis</b> (Clawed Frog) Mbol	High	BRI	in production

AGI = Arizona Genomics Institute; BRI = Benoroya Research Institute; CHORI = Children's