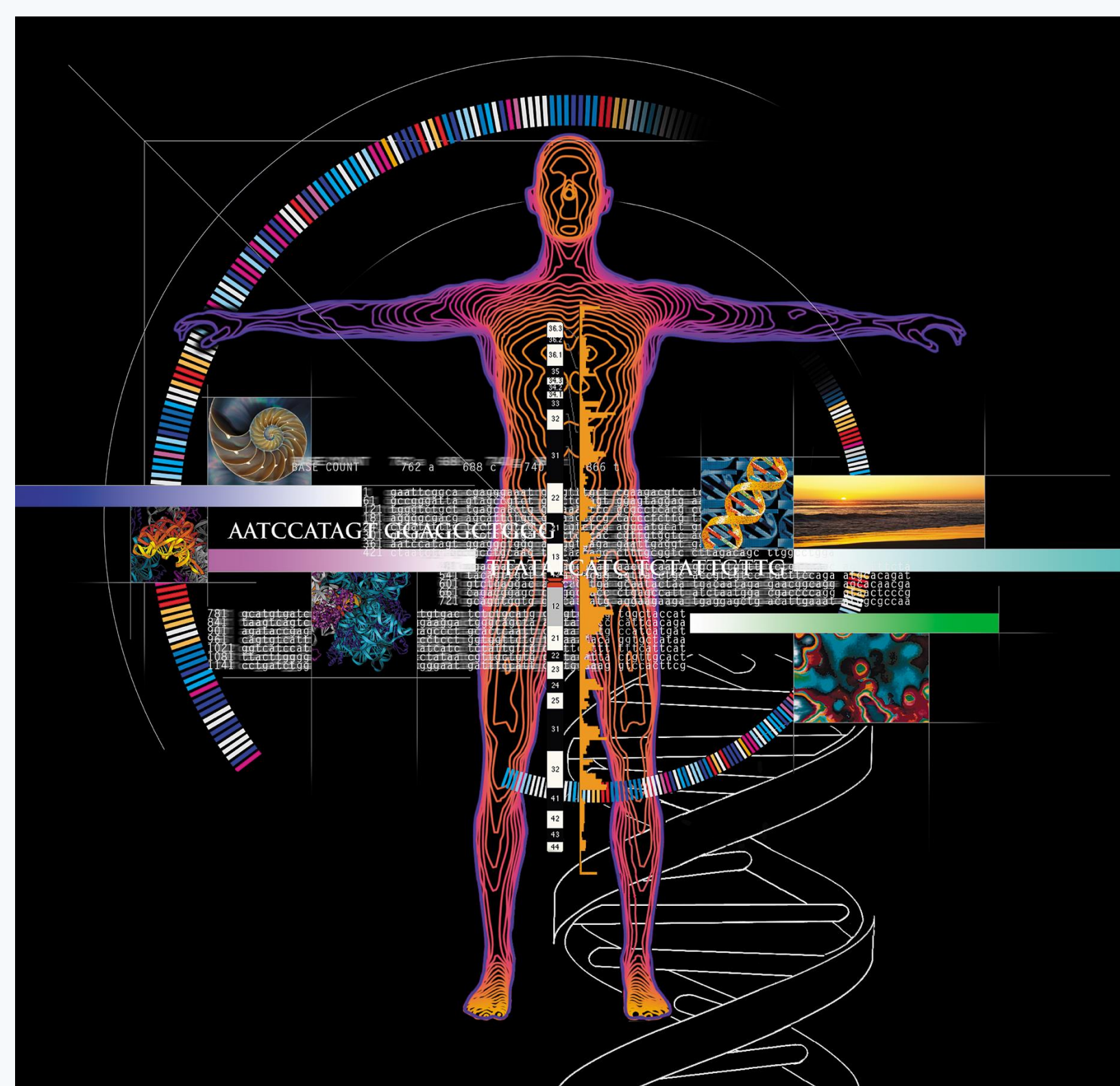


GenArk: NCBI assembly resources at the UCSC Genome Browser

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Genome assemblies:

- Primates
- Mammals
- Birds
- Fishes
- Other vertebrates
- Invertebrates
- Fungi
- Plants
- Viruses
- Mouse strains
- Global human references
- Vertebrate Genomes Project

GenArk: Towards A Million Genome Browsers

hub gateway	description
primates	NCBI primate genomes (200 assemblies)
mammals	NCBI mammal genomes (473 assemblies)
birds	NCBI bird genomes (298 assemblies)
fishes	NCBI fish genomes (335 assemblies)
vertebrate	NCBI other vertebrate genomes (164 assemblies)
invertebrate	NCBI invertebrate genomes (625 assemblies)
fungi	NCBI fungi genomes (598 assemblies)
plants	NCBI plant genomes (247 assemblies)
viral	NCBI virus genomes (264 assemblies)
bacteria	NCBI bacteria genomes (73 assemblies)
collections below are subsets of the assemblies above	
VGP	Vertebrate Genomes Project collection (464 assemblies)
CCGP	The California Conservation Genomics Project (126 assemblies)
HPRC	Human Pangenome Reference Consortium (96 assemblies)
globalReference	Global Human Reference genomes, January 2020 (10 assemblies)
mouseStrains	16 mouse strain assembly and track hub, May 2017
legacy	NCBI genomes legacy/superseded by newer versions (371 assemblies)

Example index page for 'primates':

count	common name and view in UCSC browser	[IGV browser]	scientific name and data download	NCBI assembly	BioSample	BioProject	assembly date, source link
1	Angolan colobus	[IGV]	Colobus angolensis palliatus	GCF_000951035.1_Cang.pa.1.0	SAMN03121814	PRJNA251421	2015-03-12
2	Assam macaque (KIZ-2021_13 2022)	[IGV]	Macaca assamensis	GCA_023783095.1_ASM2378309v1	SAMN23575344	PRJNA785018	2022-06-17
3	aye-aye (BS11 Broad 2019)	[IGV]	Daubentonia madagascariensis	GCA_004027145.1_DauMad_v1_BIUU	SAMN07678077	PRJNA399387	2019-01-16
4	aye-aye (KIZ-2021_6 2022)	[IGV]	Daubentonia madagascariensis	GCA_023783475.1_ASM2378347v1	SAMN23575337	PRJNA785018	2022-06-17
5	babakoto	[IGV]	Indri indri	GCA_004363605.1_IndInd_v1_BIUU	SAMN07678091	PRJNA399458	2019-03-22
6	Bengal slow loris (KIZ-2021_18 2022)	[IGV]	Nycticebus bengalensis	GCA_023898255.1_ASM2389825v1	SAMN23575349	PRJNA785018	2022-06-27
7	black crested mangabey (KIZ-2021_11 2022)	[IGV]	Lophocebus atermimus	GCA_023783235.1_ASM2378323v1	SAMN23575342	PRJNA785018	2022-06-17
8	black-shanked douc langur (KIZ-2021_22 2022)	[IGV]	Pygathrix nigripes	GCA_023764695.1_ASM2376469v1	SAMN23575353	PRJNA785018	2022-06-17
9	black snub-nosed monkey (Rb0 v2 refseq 2016)	[IGV]	Rhinopithecus bieti	GCF_001698545.2_ASM169854v2	SAMN02786331	PRJNA315476	2016-08-03
10	black-handed spider monkey (BS17 Broad 2019)	[IGV]	Ateles geoffroyi	GCA_004024785.1_AteGeo_v1_BIUU	SAMN07678064	PRJNA399374	2019-01-15
11	black-handed spider monkey (KIZ-2021_1 2022)	[IGV]	Ateles geoffroyi	GCA_023783555.1_ASM2378355v1	SAMN23575332	PRJNA785018	2022-06-17

Display one assembly in the Genome Browser: genome.ucsc.edu/h/GCF_002880755.1

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Funding provided by the National Human
Genome Research Institute [U41-HG002371]

Clawson, H., Lee, B.T., Raney, B.J. et al.

GenArk: Towards A Million UCSC Genome Browsers
Genome Biology 24, 217 (2023)
doi.org/10.1186/s13059-023-03057-x



GenArk gateway page:



hgdownload.soe.ucsc.edu/hubs/

More than 3,700
assemblies available

Any NCBI assembly can be
requested when not found here

Standard set of tracks:

- NCBI RefSeq genes **
 - Ensembl genes **
 - Xeno RefGene
 - Augustus genes
 - Repeat Masker
 - TRF/Simple Repeats
 - window masker
 - CpG Islands
 - GC Percent
- (** when available)

Future additions:

- archaea
- bacteria
- more viruses