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**Organism Whole Genome Sequence Databases:**

* Genomes OnLine Database (GOLD): [http://www.genomesonline.org](http://www.genomesonline.org/)
* NCBI Entrez Genome Project: <http://www.ncbi.nlm.nih.gov/sites/entrez?db=genomeprj>
* NCBI Entrez Genome: <http://www.ncbi.nlm.nih.gov/sites/entrez?db=genome>
* Genome Reference Consortium: <http://www.ncbi.nlm.nih.gov/projects/genome/assembly/grc/human/index.shtml>
* Integrated Microbial Genomes (IMG):<http://img.jgi.doe.gov/cgi-bin/w/main.cgi>
* NCBI Viral Genomes: <http://www.ncbi.nlm.nih.gov/genomes/GenomesHome.cgi?taxid=10239>
* HSLS OBRC listing on Genome Databases and Analysis Tools:

<http://www.hsls.pitt.edu/obrc/index.php?page=genomics>

**Genome Browsers:**

* UCSC Genome Browser: <http://genome.ucsc.edu/cgi-bin/hgGateway>
* NCBI Map Viewer: <http://www.ncbi.nlm.nih.gov/mapview/>
* Ensembl Genome Browser: <http://www.ensembl.org/index.html>
* UCSC BLAT: <http://genome.ucsc.edu/cgi-bin/hgBlat>
* GBrowse: <http://gmod.org/wiki/Gbrowse>
* MGI Mouse Genome Browser: <http://gbrowse.informatics.jax.org/cgi-bin/gbrowse/mouse_current/>
* RDG Rat Genome Browser: <http://rgd.mcw.edu/gb/gbrowse/rgd_904/?100>
* FlyBase Genome Browser: <http://flybase.org/cgi-bin/gbrowse/dmel/>
* WormBase Genome Browser: <http://www.wormbase.org/db/seq/gbrowse/c_elegans/>
* Riken OmicBrowse: <http://omicspace.riken.jp/db/genome.html>
* Watson Genome: <http://jimwatsonsequence.cshl.edu/cgi-perl/gbrowse/jwsequence/>
* Creg Venter Genome: <http://jimwatsonsequence.cshl.edu/cgi-perl/gbrowse/cvsequence/>
* YanHuang Geneme: <http://yh.genomics.org.cn/>
* JBrowse: <http://jbrowse.org/>
* NextBio Genomebrowser: <https://www.nextbio.com/b/nextbioCorp.nb>
* ENCODE Project: <http://genome.ucsc.edu/ENCODE/>
* A User’s guige to ENCODE: <http://www.plosbiology.org/article/info:doi/10.1371/journal.pbio.1001046>
* Search.HSLS.MolBio:
  + Database/Tools search on “genome browser”: [http://search.hsls.pitt.edu/vivisimo/cgi-bin/query-meta?query="genome+browser"&input-form=simple&v:sources=OBRCandBioMedCentral&v:project=dbandsoftware&submit=Search](http://search.hsls.pitt.edu/vivisimo/cgi-bin/query-meta?query=%22genome+browser%22&input-form=simple&v:sources=OBRCandBioMedCentral&v:project=dbandsoftware&submit=Search)
  + Articles on Databases/Tools search on “genome browser”: <http://search.hsls.pitt.edu/vivisimo/cgi-bin/query-meta?query=%22genome+browser%22&input-form=simple&v%3Asources=PubmedBioDatabases&v%3Aproject=dbarticles&submit=Search>

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**Tutorials and Videos:**

* Human genome sequencing: <http://www.youtube.com/watch?v=-gVh3z6MwdU&NR=1>
* Ensembl: <http://www.youtube.com/watch?v=cMh3sh3Pgzw&feature=channel_page>
* Nature Genetics A user’s guide to human genome: <http://www.genetics.ucla.edu/ughg/start.html>
* Tutorial on UCSC Genome Browser developed by OpenHelix : <http://www.openhelix.com/downloads/ucsc/ucsc_home.shtml>
* **HSLS MolBio Info Service videos:**
  + **HSLS MolBio Videos:** <http://www.hsls.pitt.edu/molbio/videos>
  + **Check the status of genome sequencing for an organism (rabbit) (8 min):** <http://media.hsls.pitt.edu/media/molbiovideos/Genom_rabbit.swf>
  + **Check the status of genome sequencing for a bacteria (*salmonella enterica*)(17 min):** <http://media.hsls.pitt.edu/media/molbiovideos/img.swf>
  + **Browse the region of human chromosome 7 part 1(18 min):** <http://media.hsls.pitt.edu/media/clres2705/ucsc_genes.swf>
  + **Browse the region of human chromosome 7 part 2 (SNP) (8 min):** <http://media.hsls.pitt.edu/media/clres2705/ucsc_snp.swf>
  + **Browse the region of human chromosome 7 part 3 (regulatory regions)(12 min):** <http://media.hsls.pitt.edu/media/clres2705/ucsc_promoter.swf>
  + **Browse the region of human chromosome 7 part 4 ( convert sequences) (15 min):** <http://media.hsls.pitt.edu/media/clres2705/ucsc_convert.swf>
  + **Place a mRNA or peptide sequence into the human genome (BLAT)(6 min):** <http://media.hsls.pitt.edu/media/clres2705/blat.swf>
  + **UCSC Table Browser (18 min):**

[http://media.hsls.pitt.edu/media/clres2705/table browser/table browser.swf](http://media.hsls.pitt.edu/media/clres2705/table%20browser/table%20browser.swf%20)

* + **NCBI Mapviewer (10 min):**

<http://media.hsls.pitt.edu/media/clres2705/ncbimapviewer.swf>