

A list of Biology Databases Virginie Courtier, 2024

General websites on biodiversity and species

Encyclopedia of Life: <http://eol.org>

Global Biodiversity Information Facility <https://www.gbif.org/>

Taxonomy websites

Interagency Taxonomic Information System (authoritative taxonomic information)

<https://www.itis.gov/>

NCBI Taxonomy (with links to sequences) <https://www.ncbi.nlm.nih.gov/taxonomy>

OneZoom visualization <https://www.onezoom.org/>

LifeMap <http://lifemap.univ-lyon1.fr/>

Tree of Life web project (no update since 2009 but still useful) <http://tolweb.org/tree/>

TimeTree (to find divergence times) <https://timetree.org/>

Genetic loci underlying phenotypic variation

Gephebase <https://www.gephebase.org/>

OMIM, An Online Catalog of Human Genes and Genetic Disorders <https://www.omim.org/>

Online Mendelian Inheritance in Animals (OMIA) <https://omia.org/home/>

Tree of sex, a database of eukaryotic sex determination systems <https://www.treeofsex.org/>

Genome sizes

Plant DNA C-values Database <https://cvalues.science.kew.org/>

Animal Genome Size Database <https://www.genomesize.com/>

DNA and Protein sequence websites

NCBI Nucleotide <https://www.ncbi.nlm.nih.gov/nucleotide/>

UniProt – best quality resource on protein sequences <https://www.uniprot.org/>

BLAST <https://blast.ncbi.nlm.nih.gov/Blast.cgi>

Ensembl Genome Browser <https://www.ensembl.org/index.html>

Genomicus - Genome browser comparing species <https://www.genomicus.bio.ens.psl.eu>

Publications

Google Scholar <https://scholar.google.fr/schhp?hl=fr>

PubMed <https://pubmed.ncbi.nlm.nih.gov/>

BioRxiv <https://www.biorxiv.org/>

PubPeer – comments on papers <https://pubpeer.com/>

Altmetric – free browser plugin to track online attention of research papers

<https://www.altmetric.com/solutions/free-tools/bookmarklet/>

Zotero – free reference management program <https://www.zotero.org/>

Mendeley – free reference management program <https://www.mendeley.com/>

Others

Bionumbers – the database of useful biological numbers

<https://bionumbers.hms.harvard.edu/search.aspx>

Biology online - database of Biology terms and topics <https://www.biologyonline.com/>