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NCBI Databases https://www.ncbi.nlm.nih.gov/search Search NC Literature search Literature PubMed Pub Med. Cool files Many online books Data Protein BLAST A tool to fi Protein se for the stu BIOS477/877 L2 - 6 - Scroll down to find more databases



Data	/ www.incon.inni.inni.go	v/scarch	
Genes	Proteins	BLAST	
Gene sequences and annotations used as references for the study of orthologs structure, expression, and evolution	Protein sequences, 3-D structures, and tools for the study of functional protein domains and active sites	A tool to find regi biological sequer	ons of similarity between ices
Gene Collected information about gene loci	Conserved Domains	Gaards markeniste as	mience databases
GEO DataSets Exectional assamics studies	GEO (Gene Expression	Omnibus):	ce databases
GEO Profiles	microarray & RNA-Seq	data	ies using a translated
HomoloGene Homologous genes sets for selected organisms	Protein Family Models Models representing homologous proteins with a common function	tblastn Search translated nu protein query	cleotide databases using a
PopSet Sequence sets from phylogenetic and population studies	Structure Experimentally-determined biomolecular structures	Primer-BLAST Find primers specific to your PGR template	
Genomes	Clinical	PubChem	
Genome sequence assemblies, large-scale functional genomics data, and source biological semples	Heritable DNA variations, associations with human pathologies, and clinical diagnostics and treatments	Repository of chemical information, molecular pathways, and tools for biogrativity screening	
Assembly Genome assembly information	ClinicalTrials.gov Privately and publicity funded clinical studies conducted around the world	BioAssays Bioactivity screening studies	
BioCollections Museum, herbaria, and other biorepository collections	ClinVar Human variations of clinical significance	Compounds Chemical informatio and links	with structures, information
BioProject Biological projects providing data to NCBI	dbGaP Genotype/phenotype interaction studies	Pathways Molecular pathways with links to genes, proteins	
BioSample Descriptions of biological source materials	dbSNP Short genetic variations	Substances	
Descriptions of biological source materials	Short genetic variations	substances d substance	and chemical information













	PubMed: Literature Se	arch
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Assignment #1 – Feb 1 due*

- > Download the assignment file from Canvas

 - Go to "Assignments" page
 Open "Assignment 1"
 Download the file "Assignment1.doc"
- Submit the file with your answers to Canvas

 - Go to "Assignments" page
 Open "Assignment 1"
 Submit your Assignment 1 file with your answers

WARNING!! Once you click on "Submit" button, you cannot delete/change/add file. But you can resubmit your assignment file(s) multiple times.

*Each assignment is due at 11:59 pm on the specified date.

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