UCSC Genome Browser on Human (GRCh37/hg19)

Move <<< << < > >> >>> Zoom in 1.5x 3x 10x Base Zoom out 1.5x 3x 10x 100x

Multi-region chr1:1,050,738-1,051,937 1,200 bp. gene, chromosome range, search terms, help pages, see examples Search Examples

NCBI RefSeq genes, curated subset (NM_*, NR_*, NP_* or YP_*) - Annotation Release NCBI RefSeq GCF_000001405.25-RS_2024_09 (2024-09-07) drag to reorder

Collapse all | Track search | Highlight | Hide all | Add custom tracks | Configure | Reverse | Resize | Expand all

Mapping and Sequencing (Refresh)

Genes and Gene Predictions (Refresh)

Updated GENCODE V48lift37 (pack)	NCBI RefSeq (dense)	Genes Archive (hide)	CCDS (hide)	CRISPR Targets (hide)	Ensembl Genes (hide)	EvoFold (hide)	Exoniphy (hide)
Updated GENCODE Versions (hide)	H-Inv 7.0 (hide)	Updated HGNC (hide)	IKMC Genes Mapped (hide)	lncRNAs (hide)	LRG Transcripts (hide)	MGC/ORFeome Genes (hide)	Other RefSeq (hide)
Pfam in GENCODE (hide)	Prediction Archive (hide)	Retroposed Genes (hide)	sno/miRNA (hide)	TransMap V5 (hide)	tRNA Genes (hide)	UCSC Alt Events (hide)	UniProt (hide)
Vega Genes (hide)	Yale Pseudo60 (hide)						

Phenotypes, Variants, and Literature (Refresh)

OMIM (show)	Publications (dense)	AlphaMissense (hide)	CADD 1.6 (hide)	CADD 1.7 (hide)	CIVIC (hide)	ClinGen (hide)	ClinGen CNVs (hide)
ClinVar Variants (hide)	Constraint scores (hide)	Coriell CNVs (hide)	COSMIC (hide)	COSMIC Regions (hide)	COVID Data (hide)	Updated DECIPHER (hide)	New Deleteriousness Predictions (hide)
Development Delay (hide)	Dosage Sensitivity (hide)	GAD View (hide)	GenCC (hide)	Gene Interactions (hide)	GeneReviews (hide)	GWAS Catalog (hide)	Haploinsufficiency (hide)
HGMD public (hide)	Lens Patents (hide)	LOVD Variants (hide)	MGI Mouse QTL (hide)	New MITOMAP [No data-chr1]	Orphanet (hide)	Updated PanelApp (hide)	Polygenic Risk Scores (hide)
REVEL Scores (hide)	RGD Human QTL (hide)	RGD Rat QTL (hide)	SNPedia (hide)	Splicing Impact (hide)	UniProt Variants (hide)	Updated Variants in Papers (hide)	Web Sequences (hide)

Variation (Refresh)

dbSNP 155 (pack)	1000G Archive (hide)	Updated Array Probesets (hide)	dbSNP Archive (hide)	dbVar Common Struct Var (hide)	denovo-db (hide)	DGV Struct Var (hide)	EVS Variants (hide)
ExAC (hide)	Genome in a Bottle (hide)	Genome Variants (hide)	GIS DNA PET (hide)	gnomAD (hide)	HAIB Genotype (hide)	HapMap SNPs (hide)	HGDP Allele Freq (hide)
Platinum Genomes (hide)							

RNA and Transcriptome (Refresh)

CGAP SAGE (show)	Gene Bounds (hide)	H-Inv (hide)	Human ESTs (hide)	Human mRNAs (hide)	Human RNA Editing (hide)	Other ESTs (hide)	Other mRNAs (hide)
Poly(A) (hide)	PolyA-Seq (hide)	SIB Alt-Splicing (hide)	Spliced ESTs (hide)	UniGene (hide)			

Expression (Refresh)

GTEx Gene V8 (pack)	Allen Brain (hide)	Burge RNA-seq (hide)	CSHL Small RNA-seq (hide)	ENC Exon Array (hide)	ENC ProtGeno (hide)	ENC RNA-seq (hide)	EPDnew Promoters (hide)
Affy Archive (hide)	GIS RNA PET (hide)	GNF Atlas 2 (hide)	GTEx Gene (hide)	GTEx Transcript (hide)	GWIPS-viz Riboseq (hide)	Illumina WG-6 (hide)	PeptideAtlas (hide)
qPCR Primers (hide)	RIKEN CAGE Loc (hide)	Sestan Brain (hide)					

Regulation (Refresh)

ENCODE Regulation (show)	CD34 DnaseI (hide)	CpG Islands (hide)	ENC Chromatin (hide)	ENC DNA Methyl (hide)	ENC DNase/FAIRE (hide)	ENC Histone (show)	ENC RNA Binding (hide)
ENC TF Binding (hide)	FANTOM5 (hide)	FSU Repli-chip (hide)	GeneHancer (hide)	Genome Segments (hide)	GTEx Combined eQTL (hide)	GTEx Tissue eQTL (hide)	JASPAR Transcription Factors (hide)
NKI Nuc Lamina (hide)	ORegAnno (hide)	Rao 2014 Hi-C (hide)	ReMap ChIP-seq (hide)	Stanf Nucleosome (hide)	SUNY SwitchGear (hide)	SwitchGear TSS (hide)	TFBS Conserved (hide)
TS miRNA Targets (hide)	UCSF Brain Methyl (hide)	UMMS Brain Hist (hide)	UW Repli-seq (hide)	Updated VISTA Enhancers (hide)			

Comparative Genomics (Refresh)

Conservation (full)	Cons 46-Way (hide)	Cons Indels MmCf (hide)	Evo Cog	GERP (hide)	phastBias gBGC (hide)	Primate Chain/Net (hide)	Placental Chain/Net (hide)
Vertebrate Chain/Net (hide)	CHM13 alignments (hide)						

Neandertal Assembly and Analysis (Refresh)

Denisova Assembly and Analysis (Refresh)

Repeats (Refresh)

RepeatMasker (dense)	Interrupted Rpts (hide)	Microsatellite (hide)	NumtS Sequence (hide)	Segmental Dups (hide)	Self Alignment (hide)	Simple Repeats (hide)	WM + SDust (hide)

Refresh