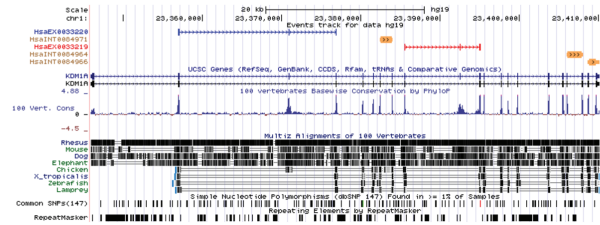


ENSG00000004487

Biotype	protein_coding
Gene Symbol	KDM1A
Description	lysine (K)-specific demethylase 1A [Source:HGNC Symbol;Acc:29079]
Coordinates	chr1:23345941-23410182+
Assembly	hg19

GENOMIC CONTEXT

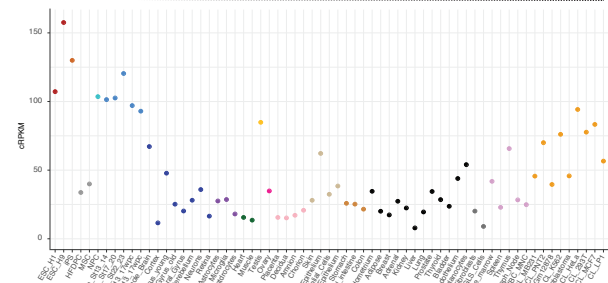


EXPRESSION LEVELS

[\[Show All\]](#) [\[Show None\]](#) [\[Select All\]](#) [\[Select None\]](#)

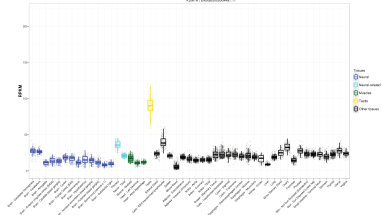
[ESC](#) [IPS](#) [Precursors](#) [NPC](#) [EmbrBrain](#) [Neural](#) [Glia](#) [Muscle](#) [Testis](#) [Ovary](#) [Placental](#) [Epithelial](#)

[Digestive tract](#) [Tissues](#) [Cells](#) [Immune hematopoiesis](#) [CLines](#)



SPECIAL DATASETS

- [GTEx](#) ?
- [Autistic and control brains](#) ?
- [Pancreatic cell types](#) ?



ASSOCIATED EVENTS

Event	Type	Length	Coordinates	Strand	PSI Average	PSI Range
HsEx0033220	Exon Skipping	60	chr1:23,356,962-23,377,013	+	53.77	68.4
HsEx0033219	Exon Skipping	12	chr1:23,385,566-23,395,174	+	5.36	66.11

ORTHOLOGOUS GENES

- [Mouse: ENSMUSG00000036940](#)
- [Chicken: ENSGALG00000000840](#)

General information

- Gene biotype
- Gene symbol and gene description
- Genomic coordinates
- Genomic assembly

Genomic context

- UCSC track
- Link to personalized view in UCSC website

Expression pattern

- Tissue-specific expression (measured in cRPKM)
- Interactive sample selection
- Samples grouped and colored by biological origin
- Multiple replicates for each data point

Special datasets

- Additional sample groups related to particular biological processes or external studies (e.g. GTEx)

Alternative splicing events

- Events in the gene of interest can be sorted interactively by:
 - VastDB ID (link to Event view)
 - Event type
 - Event length
 - Genomic coordinates
 - PSI average and range

Evolutionary conservation

- Orthologous genes between human, mouse and chicken (link to Gene View)

Supplemental Figure S20 – Example of a gene view entry from VastDB

Adapted screenshot of the Gene view from VastDB (<http://vastdb.crg.eu>) for a representative human gene (Ensembl ID: ENSG00000004487, gene symbol: *KDM1A*). Each gene view displays: general gene information, screenshot with hyperlink to the UCSC Genome Browser indicating the AS events that are annotated in VastDB, interactive plot with gene expression values across 63 human cell and tissue types from averaging 118 samples, plots of expression levels for other datasets of special interest, list of annotated AS events, and list of orthologous genes for species available in VastDB.