Introduction to UCSC genome browser

1. Browser format
	1. Species
	2. Genome assembly versions
	3. Tracks on one dimension
2. Understanding gene models
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	2. Zoom in and Zoom out
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3. Intergenic regions
	1. Histone marks
		1. H3K4me1 H3K4me2 H3K4me3 H3K27ac - active
		2. H3K9me3 H3K27me3 – inactive
	2. Conserved regions that
		1. Promoters, exons, regulatory elements
		2. Histone marks and enhancers
4. Extract sequences
	1. Genomic sequence
	2. mRNA sequence
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