

## GENOME-WIDE MOUSE ENCODE DATA AT UC SANTA CRUZ

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The Encyclopedia of DNA Elements (ENCODE) is an international consortium project with the goal of cataloging the functional elements in the human genome. The American Recovery and Reinvestment Act (ARRA) of 2009 has provided support to augment this effort with genome-wide analyses of mouse. These analyses include gene expression, DNA hypersensitivity, histone modification, transcription factor binding, and measurement of chromosomal interactions. They are performed on mouse analogs of the major ENCODE human cell types, facilitating cross-species analysis. This comparison will yield insights into the conservation of genomic regulation in mammals, leading to greater understanding of the functional elements in the human genome. All ENCODE data, including the mouse data, is available to the public under the terms of the ENCODE data release policy. Here, we highlight key portions of the mouse data hosted at the ENCODE Data Coordination Center at UCSC, and available through the UCSC Genome Browser.