

Supplementary Data Legends

File Name: Supplementary Data 1

Description: A table showing the quality control metrics for each Hi-C experimental replicate as generated by Juicer. Also included are the numbers of Hi-C contacts defined in each cell line after merging replicates, which are the definitions used in differential analyses.

File Name: Supplementary Data 2

Description: A table showing non-H3K9me3 marked, dysregulated genes that reside in altered chromatin loops as defined by HiCCUPS. Also included are the altered interactions generated by FitHiC. "v" denotes presence.

File Name: Supplementary Data 3

Description: A table showing publicly available NGS Datasets included in integrative analysis and their sources.