Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: TF_regulatory_distance: Inferred TF regulatory distances using multiple expression

cohorts.

File Name: Supplementary Data 2

Description: hg38_H1_TAD_mean_H3K27ac.txt_normalized: Mean H3K27ac level in TADs across

multiple cell types and tissues.

File Name: Supplementary Data 3

Description: TAD_cluster_annotation: Coordinates and cluster assignment of TADs.

File Name: Supplementary Data 4

Description: TAD_cluster_GO: Gene ontologies of genes in TAD clusters.

File Name: Supplementary Data 5

Description: Unnormalized_TF_occupancy_in_TADs: TF ChIP-seq peak densities in TADs.

File Name: Supplementary Data 6

Description: TF_target_TAD_cluster_GO: Gene ontologies of genes in TF-target TADs.

File Name: Supplementary Data 7

Description: Pioneer_like_factors: Inferred TFs with or without pioneer factor-like properties.