

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Functional annotation of differentially expressed genes, and differential H3K27Ac ChIP-Seq peaks

File Name: Supplementary Data 2

Description: Peak to gene annotation of differential H3K27Ac ChIP-Seq peaks

File Name: Supplementary Data 3

Description: Transcription factor motif occurrences in differential H3K27Ac ChIP-Seq peaks