## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: Down regulated genes in YEATS2 KD cells

File Name: Supplementary Data 2

Description: Up regulated genes in YEATS2 KD cells

File Name: Supplementary Data 3

Description: GO analysis

File Name: Supplementary Data 4 Description: ZZZ3 ChIP-seq peaks

File Name: Supplementary Data 5 Description: H3K27ac ChIP-seq peaks

File Name: Supplementary Data 6 Description: H3K9ac ChIP-seq peaks

File Name: Supplementary Data 7 Description: ZZZ3 occupied genes