

## **Description of Additional Supplementary Files**

### **Supplementary Data 1**

Expression fold change results from RNA seq

### **Supplementary Data 2**

List of genes bound Gfi1b, LSD1 and b-catenin mouse CHIP-seq

### **Supplementary Data 3**

List of genes bound by Gfi1b, LSD1 and b-cateninK562 CHIP-seq

### **Supplementary Data 4**

Enhancer list bound by Gfi1b, LSD1 and b-catenin K562 CHIP-seq