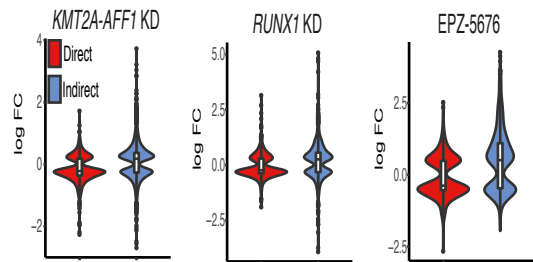
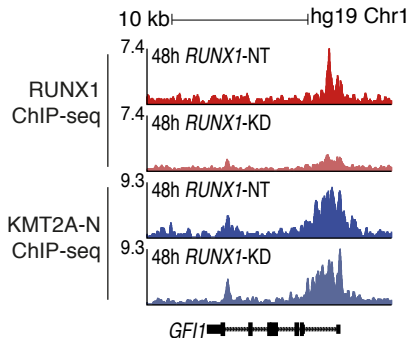
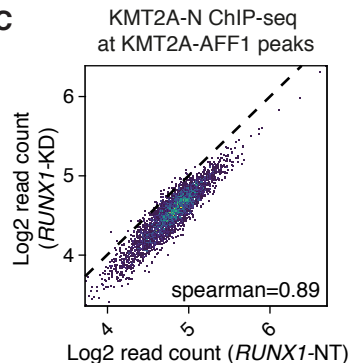
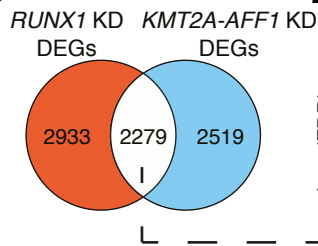
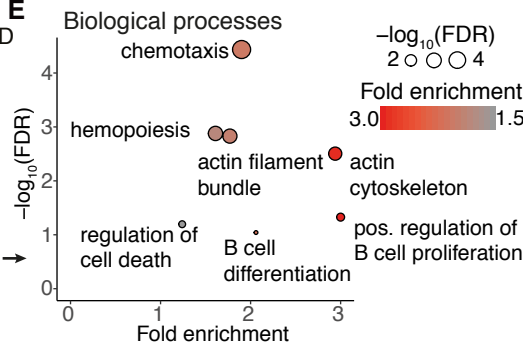
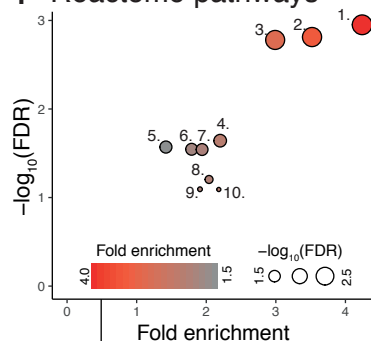


**A****B****C****D****E****F Reactome pathways**

- |  |   |   |   |
|--|---|---|---|
| 1. DNA methylation                               | 4. Activation of HOX genes during diff. | 7. Epigenetic regulation of gene exprs. | 9. RUNX1 regulates transcription of genes involved in differentiation of HSCs |
| 2. PRC2 methylates histones and DNA              | 5. Cell Cycle, Mitotic                  | 8. RNA Polymerase I Transcription       | 10. Telomere Maintenance  |
| 3. DNA Damage/Telomere Stress Induced Senescence | 6. Cellular Senescence                  |   |   |