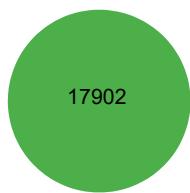


a

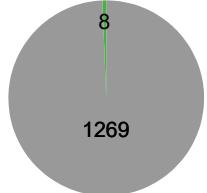
Number of DEG at FDR 0.05

Outliers excluded

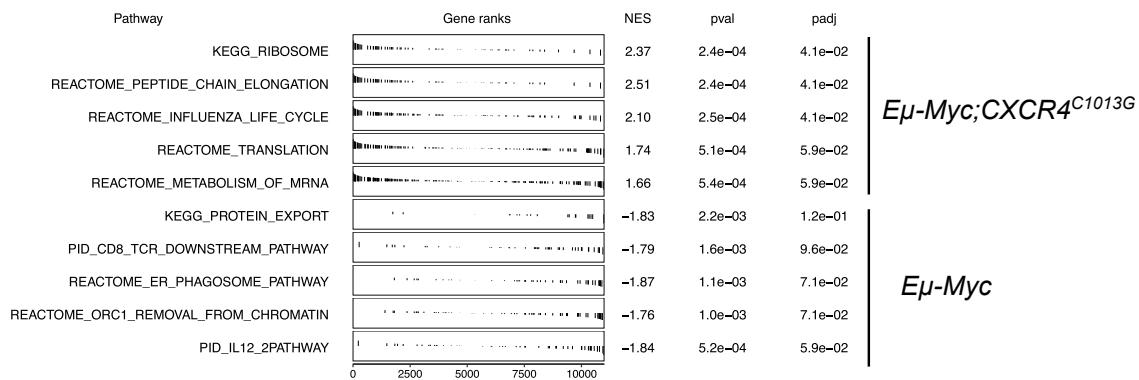


b

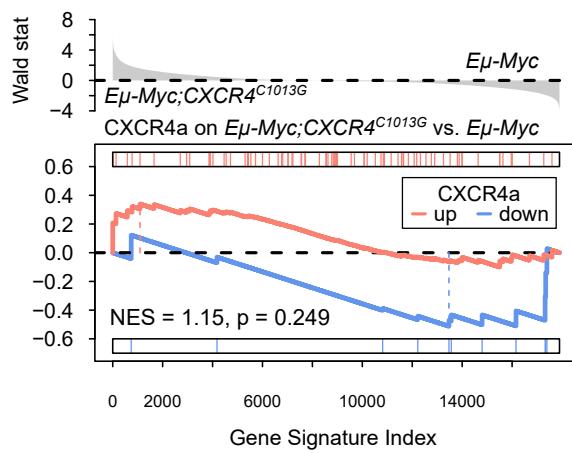
Number of Pathways at FDR 0.05



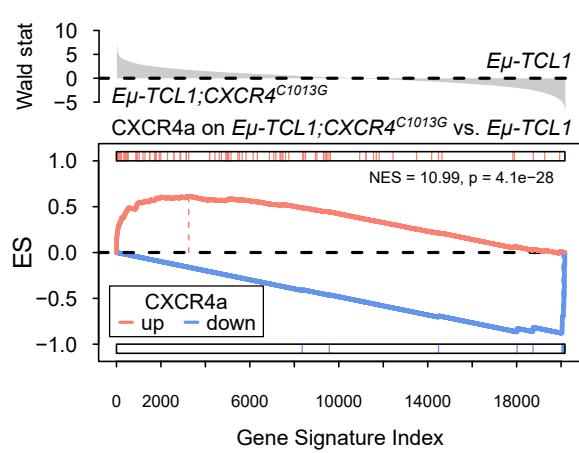
c



d



e



Supplemental Figure S8. RNA sequencing of *Eμ-Myc* and *Eμ-Myc;CXCR4^{C1013G}* lymphoma cells.

- (a) DEG in *Eμ-Myc* (n = 6) vs. *Eμ-Myc;CXCR4^{C1013G}* (n = 6).
- (b) GSEA for curated gene sets listed in MsigDB (7, 8) in *Eμ-Myc* vs. *Eμ-Myc;CXCR4^{C1013G}*.
- (c) GSEA for curated gene sets listed in MsigDB (7, 8) in *Eμ-Myc* vs. *Eμ-Myc;CXCR4^{C1013G}* CD19+ B cells showing normalized enrichment scores (NES) P value(pval) and adjusted P value (padj).
- (d) GSEA showing CXCR4a enrichment in *Eμ-Myc;CXCR4^{C1013G}* vs. *Eμ-Myc*.
- (e) GSEA showing CXCR4a enrichment in *Eμ-TCL1;CXCR4^{C1013G}* vs. *Eμ-TCL1*.