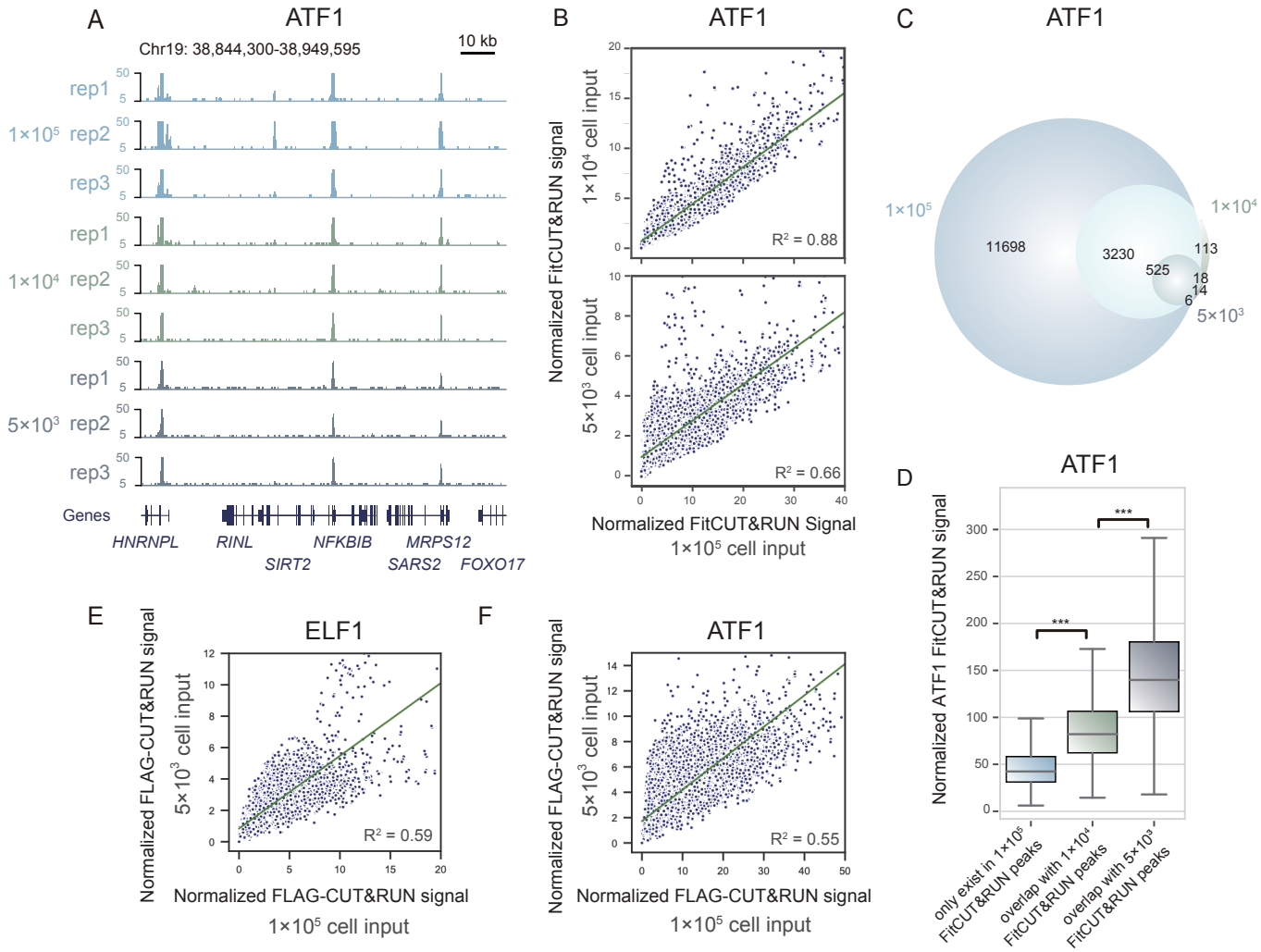

Supplemental Figure 3. Robustness of FitCUT&RUN with reduced input material in K562 cells. *(A)* The genome browser view shows the ATF1 FitCUT&RUN signal for different input materials (three replicates for each). A similar signal represents the reproducibility of the FitCUT&RUN method with low-input material. *(B)* Scatterplots present the high correlation of the ATF1 FitCUT&RUN signal between different input materials. *(C)* Venn diagram showing the overlap of ATF1 FitCUT&RUN peaks with different input cells. The majority of peaks based on the low-input material showed high overlap with those obtained from 1×10^5 cells. *(D)* Boxplots showing the normalized ATF1 FitCUT&RUN signal using 1×10^5 cells in three groups of peaks, i.e., only detected in the FitCUT&RUN using 1×10^5 cells, overlap with FitCUT&RUN using 1×10^4 cells, and overlap with FitCUT&RUN using 5×10^3 cells. The peaks detected with the reduced input material (5×10^3 cells) showed a higher signal than those in the other two groups, proving the reliability of the FitCUT&RUN method with low-input material. *(E, F)* Scatterplots present the correlation of the ELF1 (E) and ATF1 (F) FLAG-CUT&RUN signal between different input materials.