

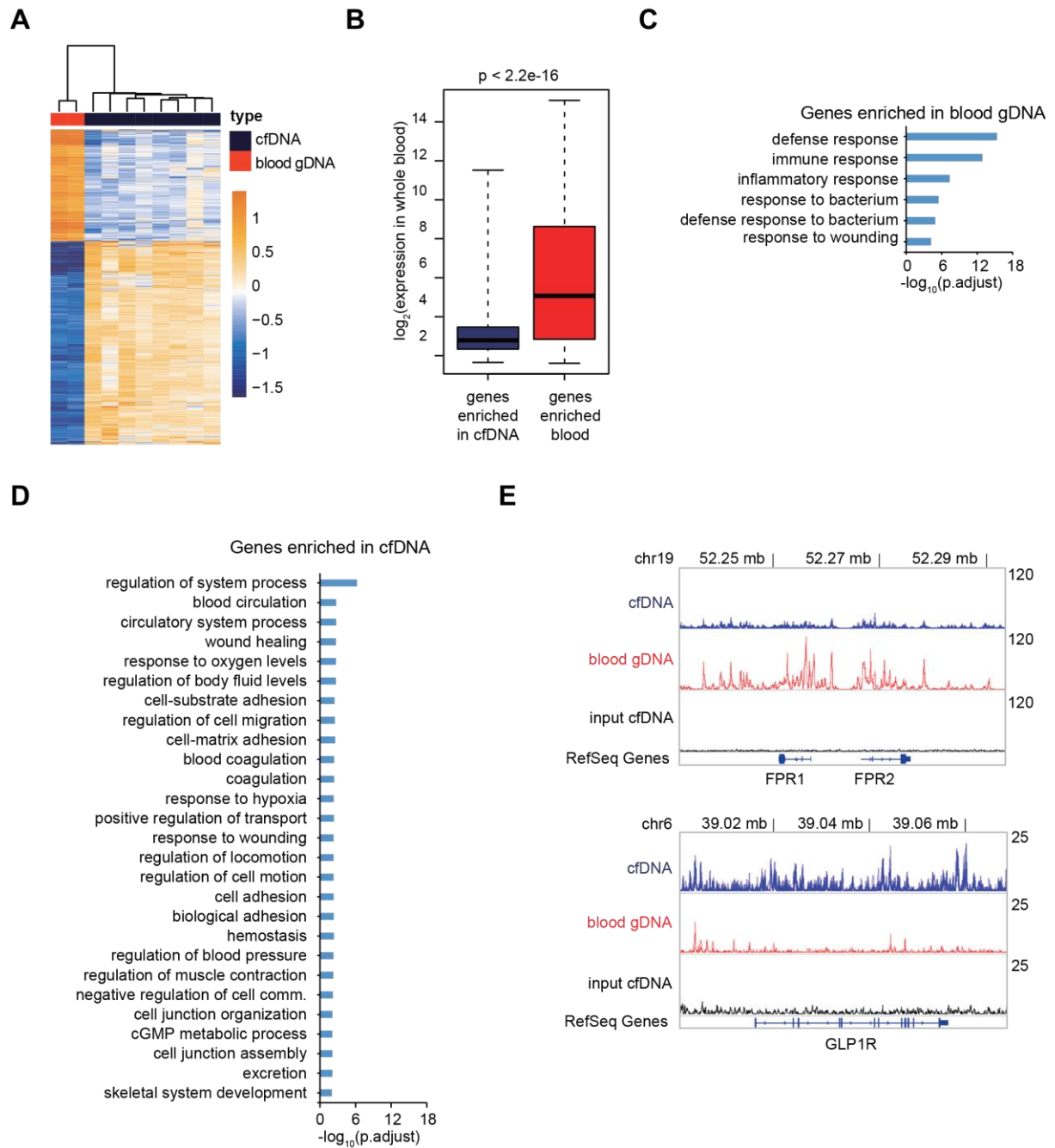


Figure S3 Differential 5hmC signals between cfDNA and whole blood gDNA. **(A)** Heatmap of 2,082 differential genes between cfDNA and blood gDNA. Hierarchical clustering was performed across genes and samples. **(B)** Boxplot of expression level in whole blood for cfDNA and whole blood gDNA 5hmC enriched genes. The p -value is shown on top. **(C, D)** GO analysis of the whole blood-specific **(C)** and cfDNA-specific **(D)** 5hmC enriched genes, adjusted p -value cut off 0.001. **(E)** Genome browser view of the 5hmC distribution in the FPR1/FPR2 (top) and the GLP1R (bottom) loci. Showing the overlapping tracks of cfDNA, whole blood gDNA and input cfDNA in line plot.