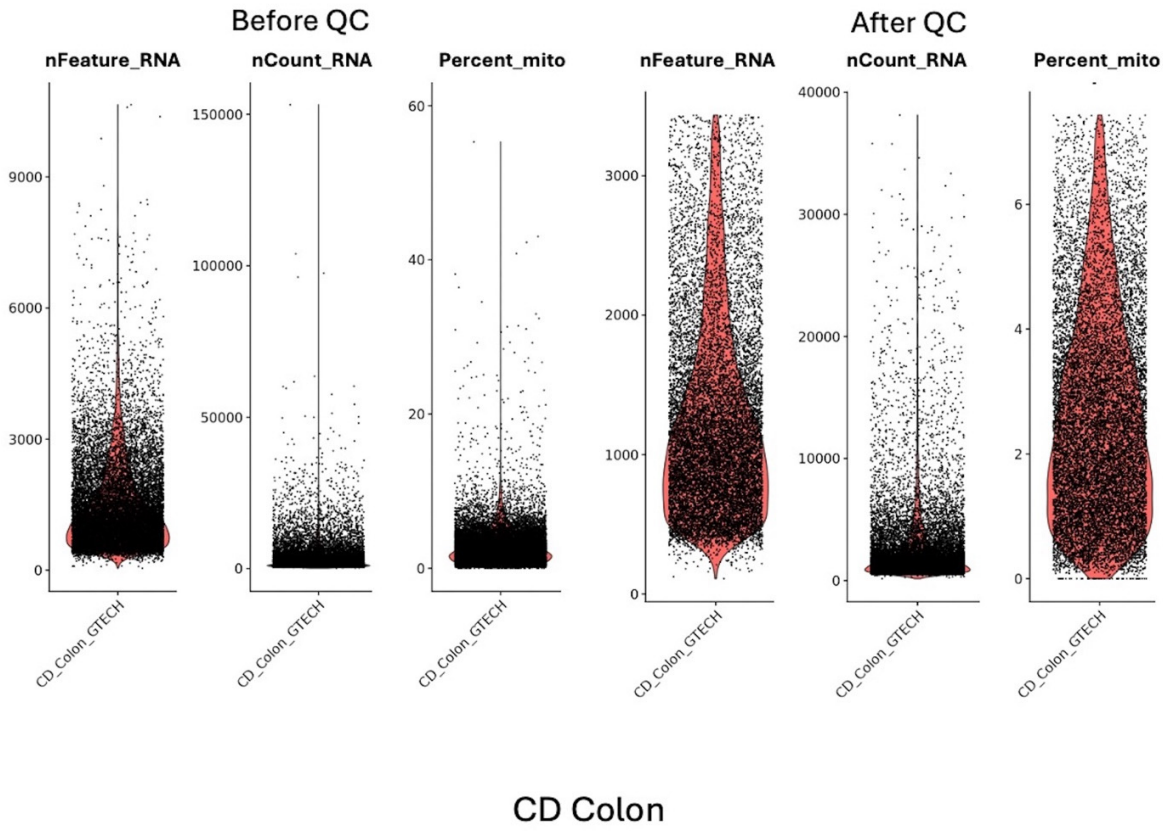


Figure S1: Violin plots of QC metrics before and after QC for CD Colon tissue

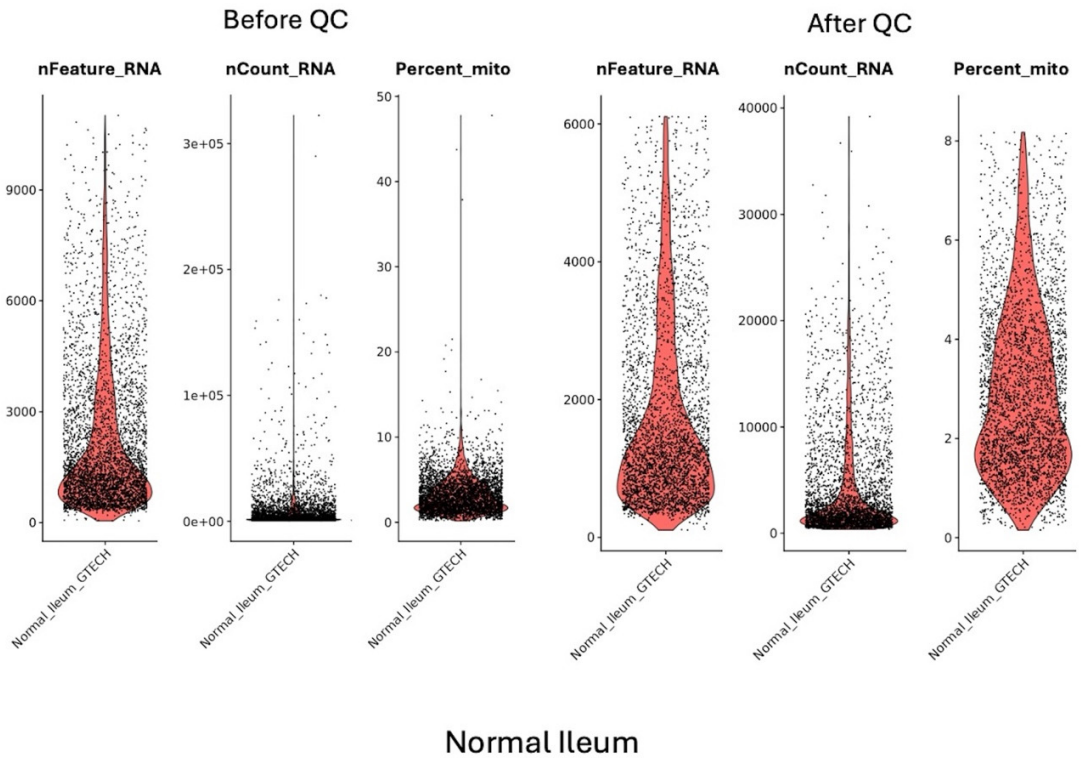


Figure S2: Violin plots of QC metrics before and after QC for Normal ileum tissue

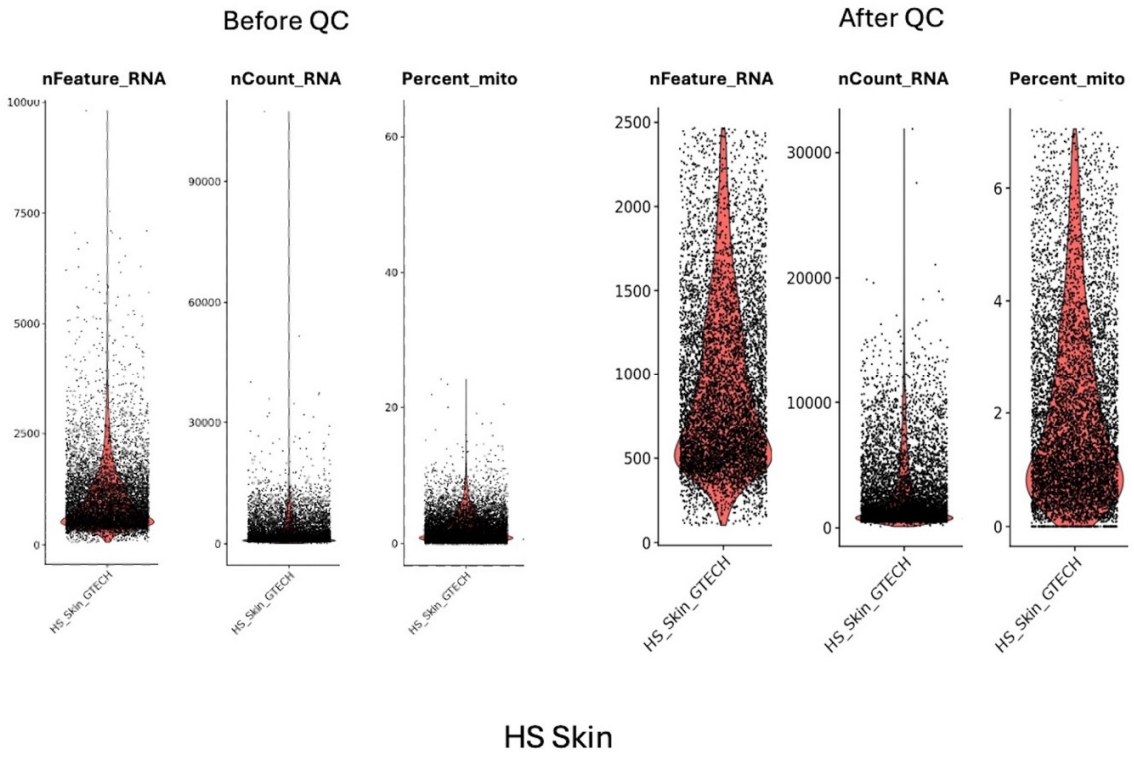


Figure S3: Violin plots of QC metrics before and after QC for HS skin tissue

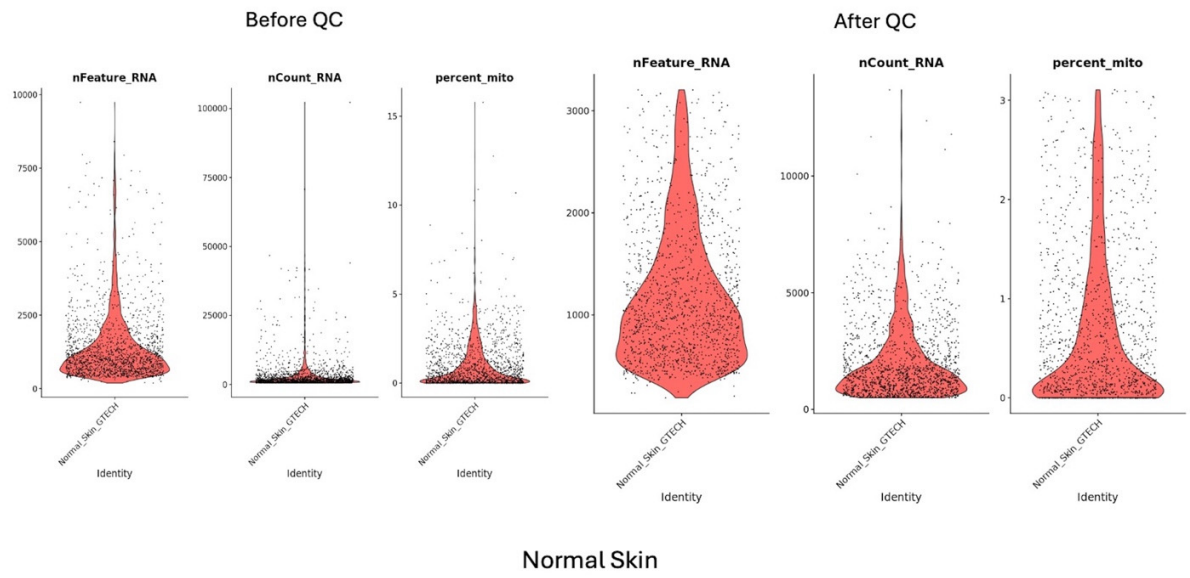


Figure S4: Violin plots of QC metrics before and after QC for normal skin tissue

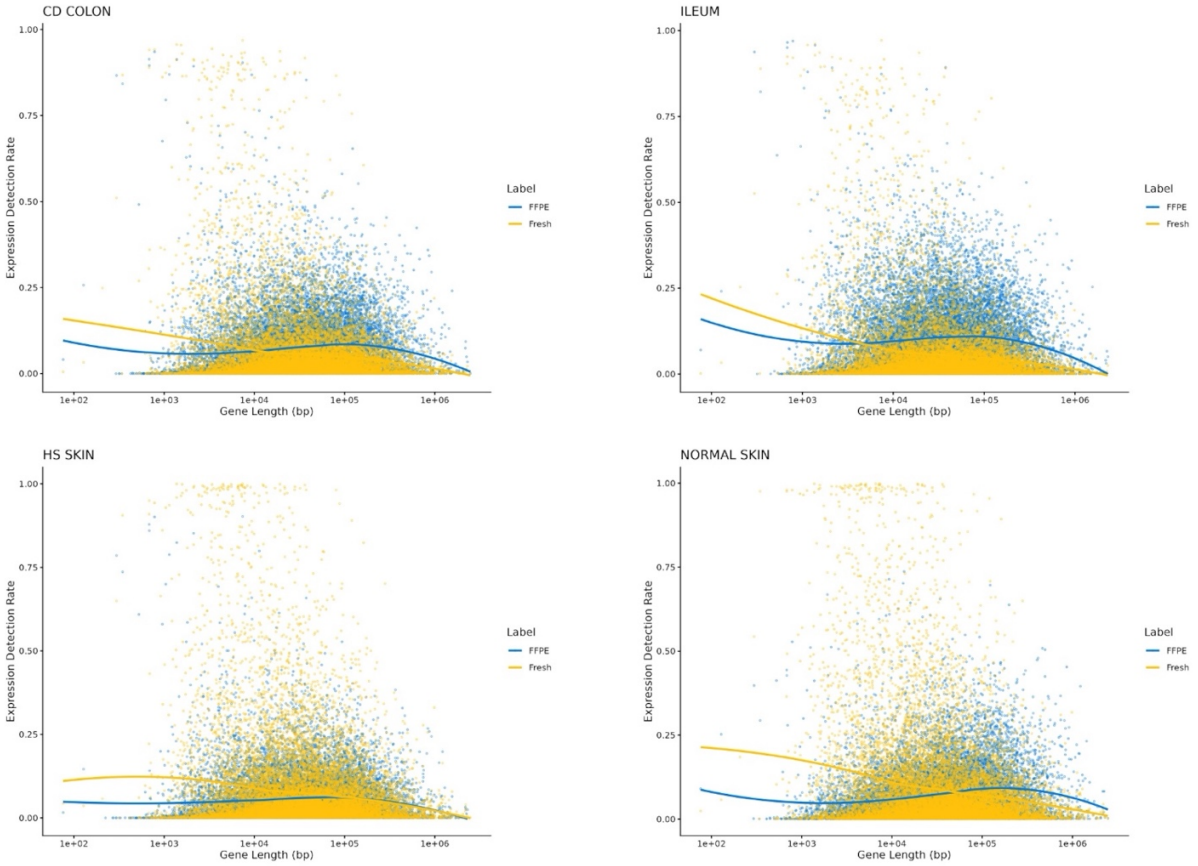


Figure S5: expression detection rate and gene length, colored by FFPE and Fresh across all 4 tissue types

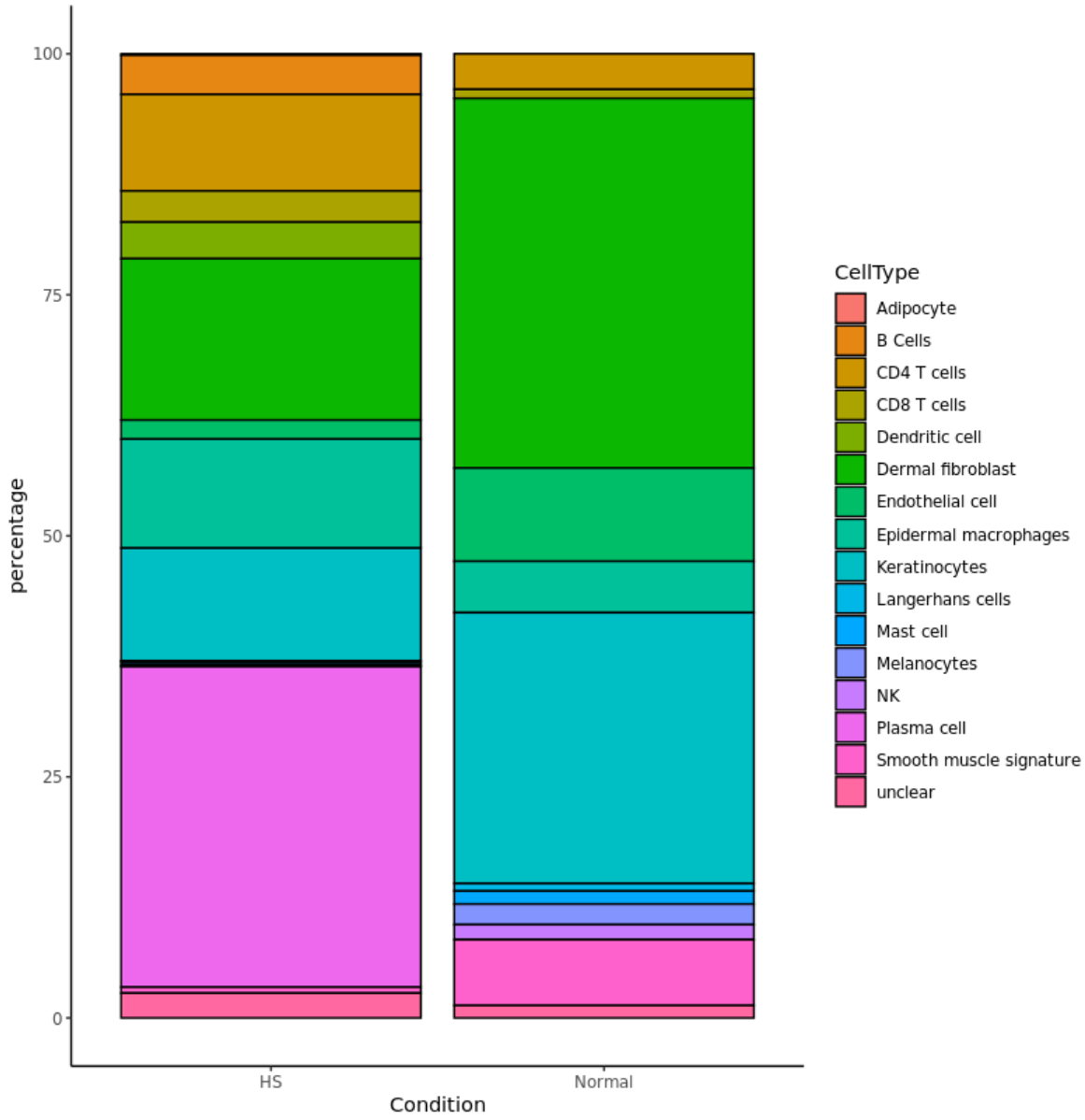


Figure S6: percentages of cell abundance for HS vs. normal from skin tissues, colored by cell types.

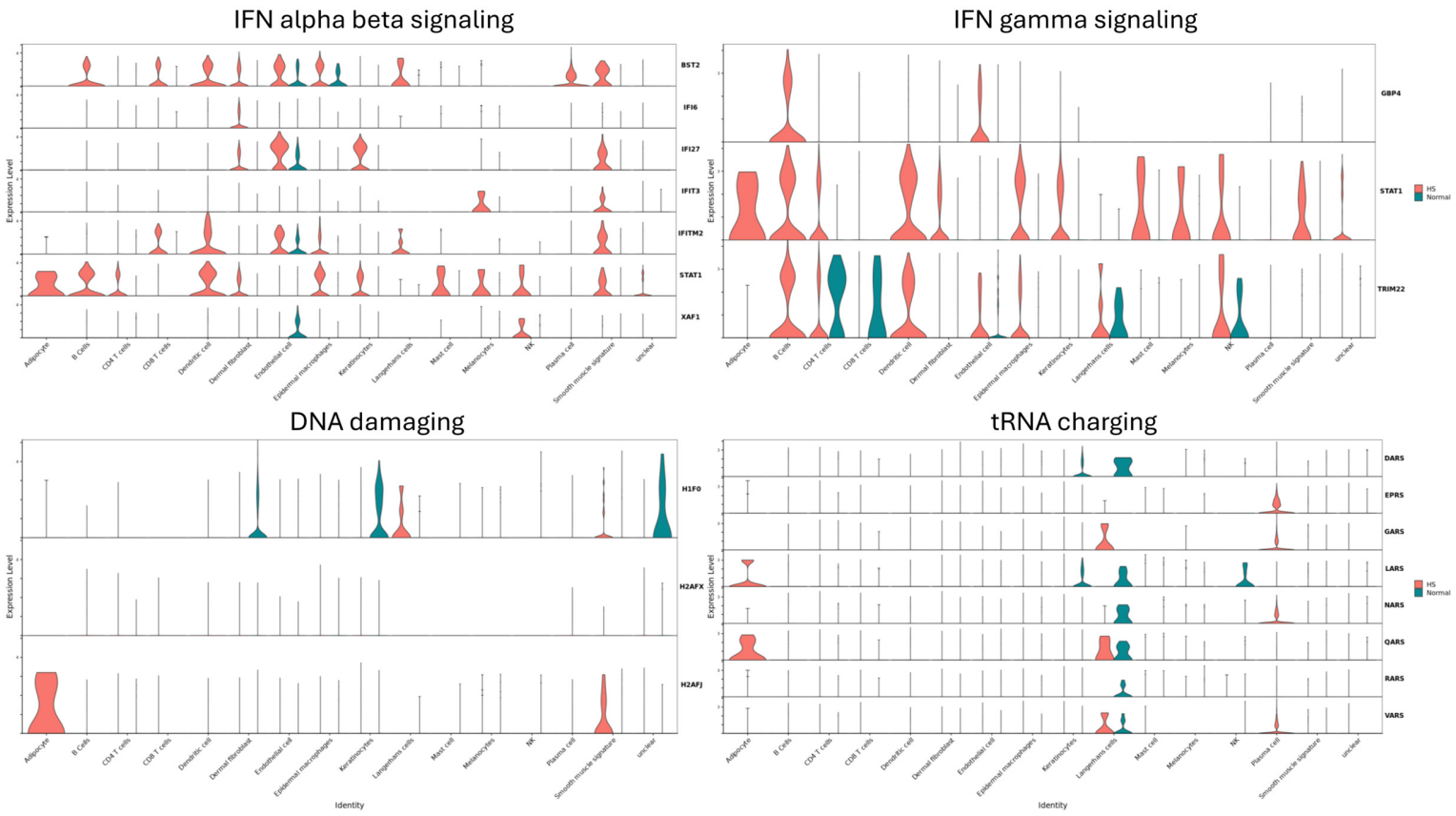


Figure S7. Violin plots of gene expression levels by cell types and condition on biological relevant selective pathways. X-axis indicates cell types, y-axis indicates gene expression levels. HS samples shown in red and normal shown in green.