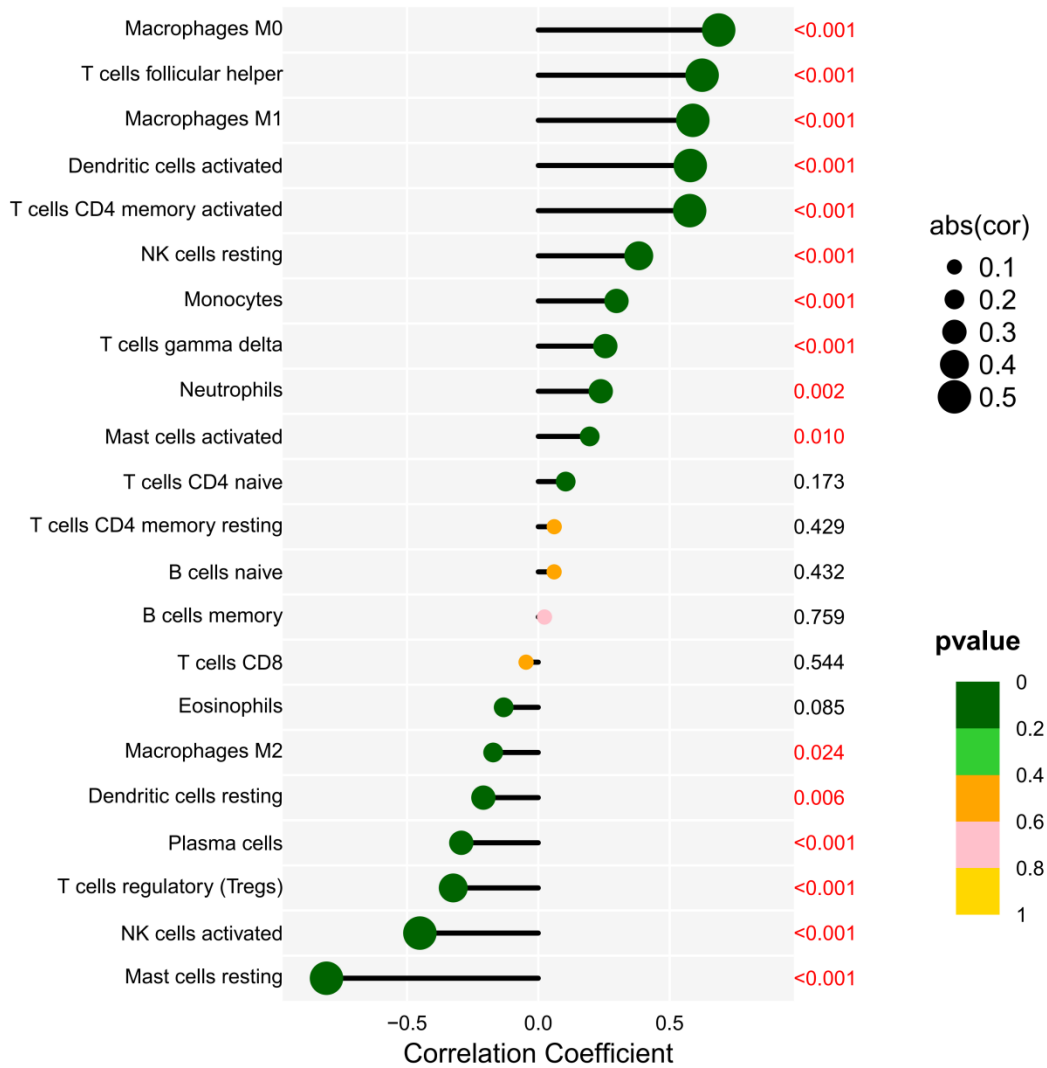# 1 Supplementary Figure 1: Correlation Lollipop Plot.

This plot shows the correlation between immune cell types and characteristic genes. Each immune cell type is represented on the vertical axis, and the correlation coefficient between the immune cell and the gene is represented on the horizontal axis. The size of each circle represents the absolute value of the correlation coefficient, while the color of the circle represents the P-value of the correlation test. A P-value less than 0.05 indicates a significant correlation between the immune cell type and characteristic gene, as denoted by red font on the right side of the figure.

2 Supplementary Table 1: Primer sequences for qRT-PCR.

Gene	Forward sequence	Reverse sequence
SPRR1B	GGCCACCAGATGCTGAATCC	GCTCTGGTACTAAGACCTTCAGC
IL-17	GAAGACCTCATTGGTGTCACTGCT	TCTCTCAGGGTCCTCATTGCG
IL-22	GAATTGTCTGCAATGGCCGC	ATCAGCCAAGCTAGCCTCCTT
KRT6	TGTACCAGACCAAGTGTGCC	ATTCGCCAGACATCCTGCAC
KRT16	TCTTCCCGCGAGGTCTTCAC	ATTAGCCCACCACCAGCAGA
GAPDH	GAAGGTGAAGGTCGGAGTC	GAAGATGGTGATGGGATTTC