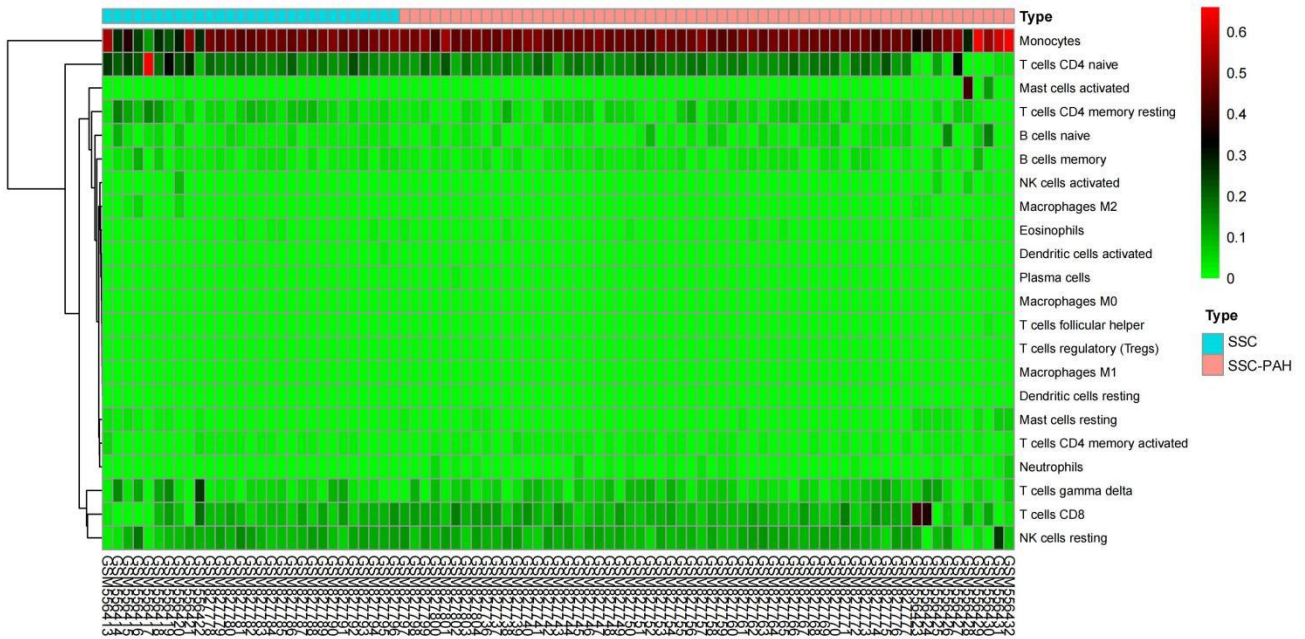
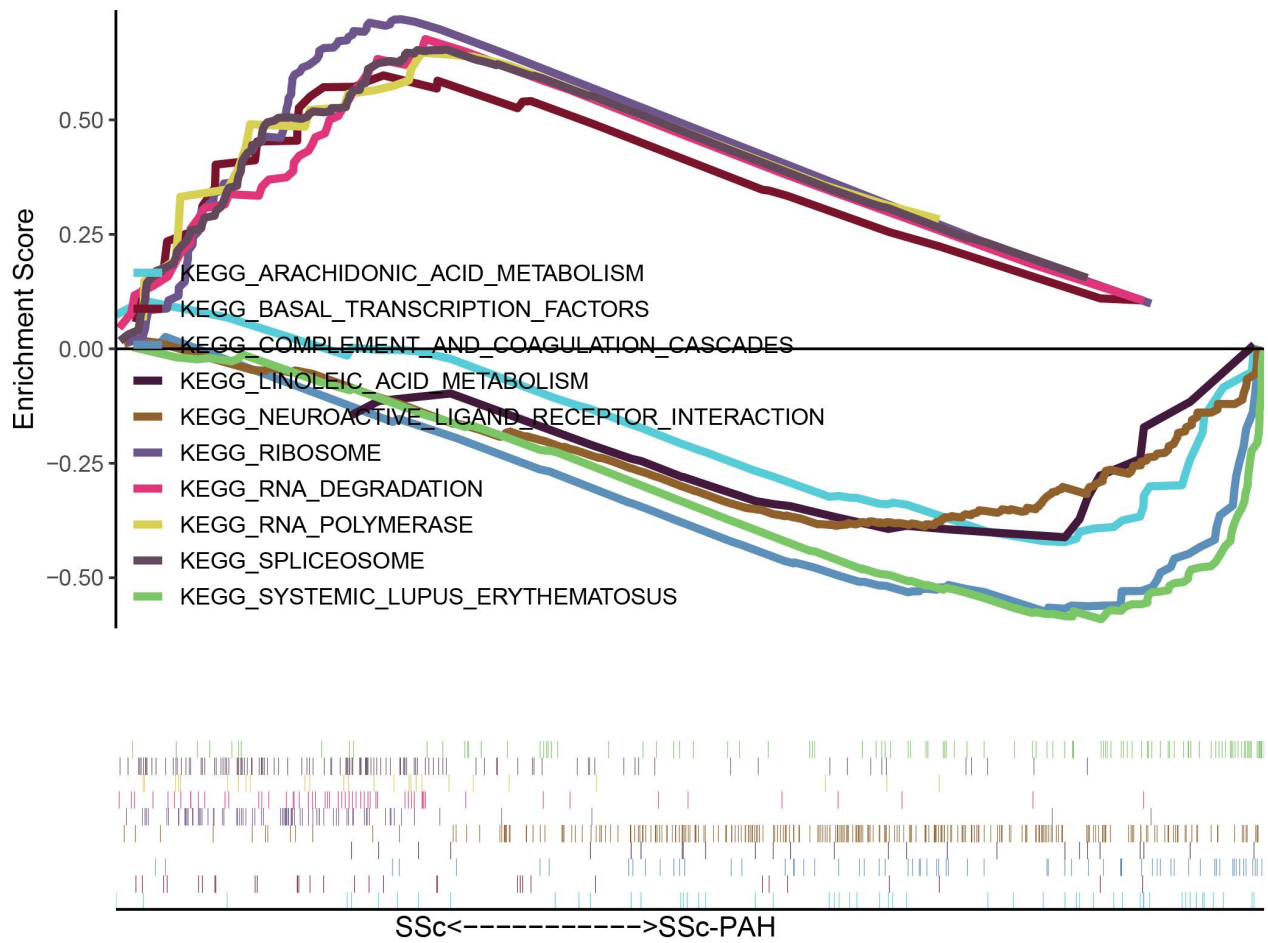


## Supplementary Material

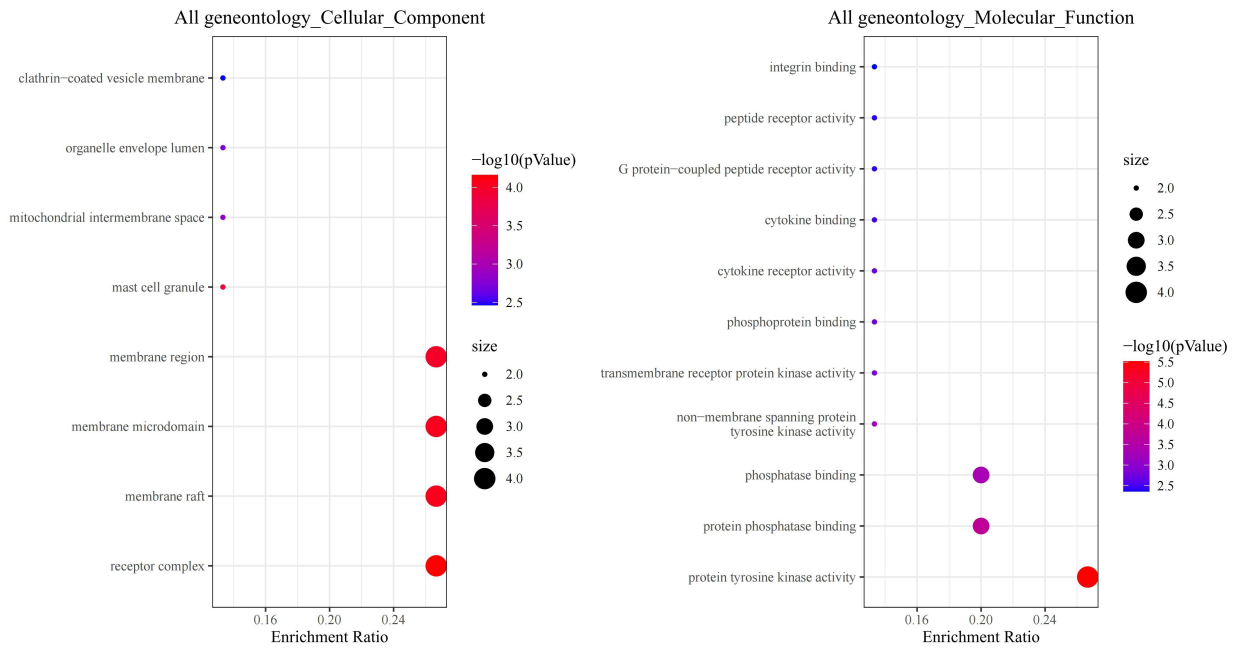
### 1.1 Supplementary Figures



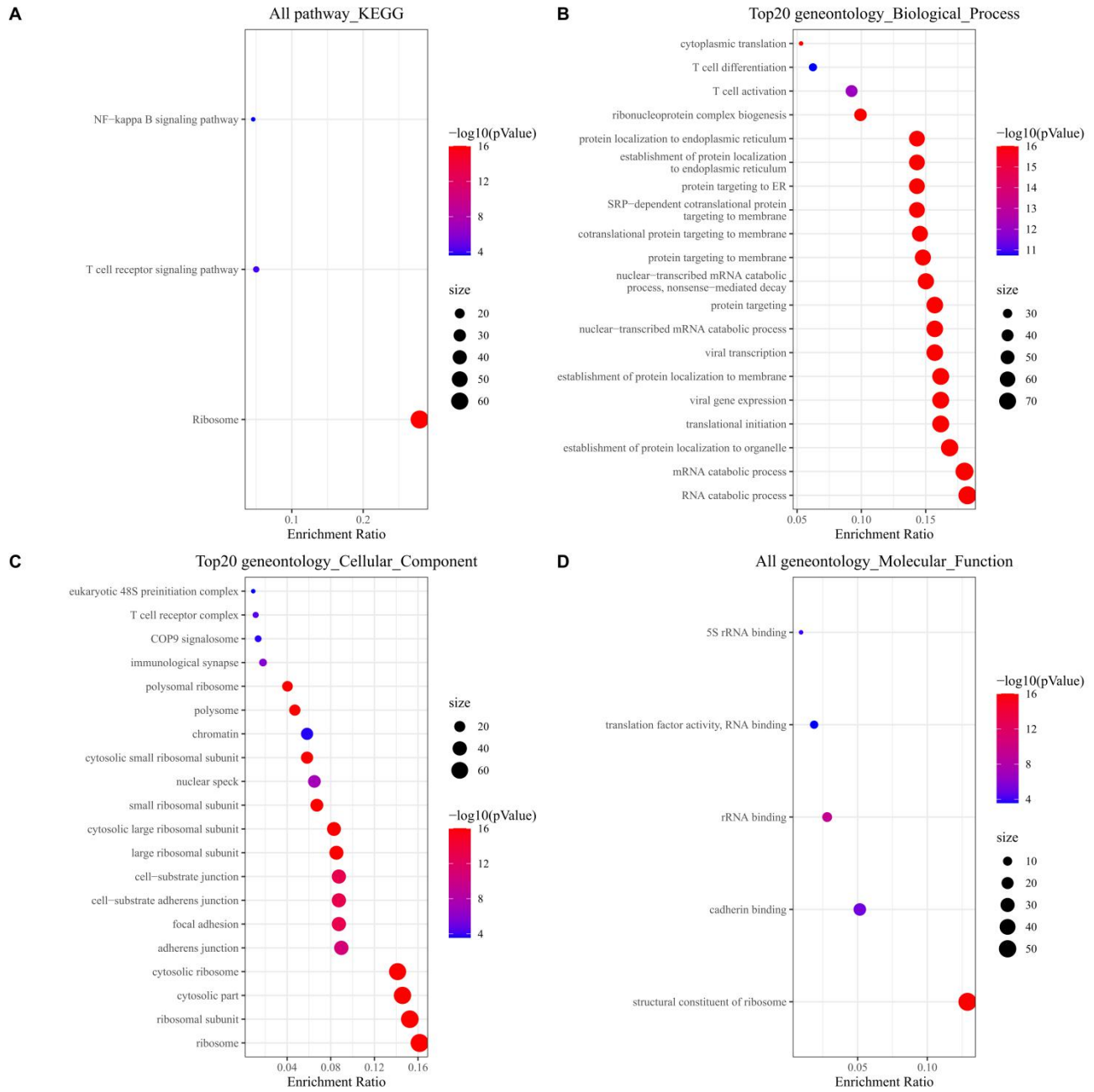
**Supplementary Figure 1. The distribution of 22 immune cells in 69 filtered gene matrix. Red indicates higher immune infiltration expression, and green indicates lower expression.**



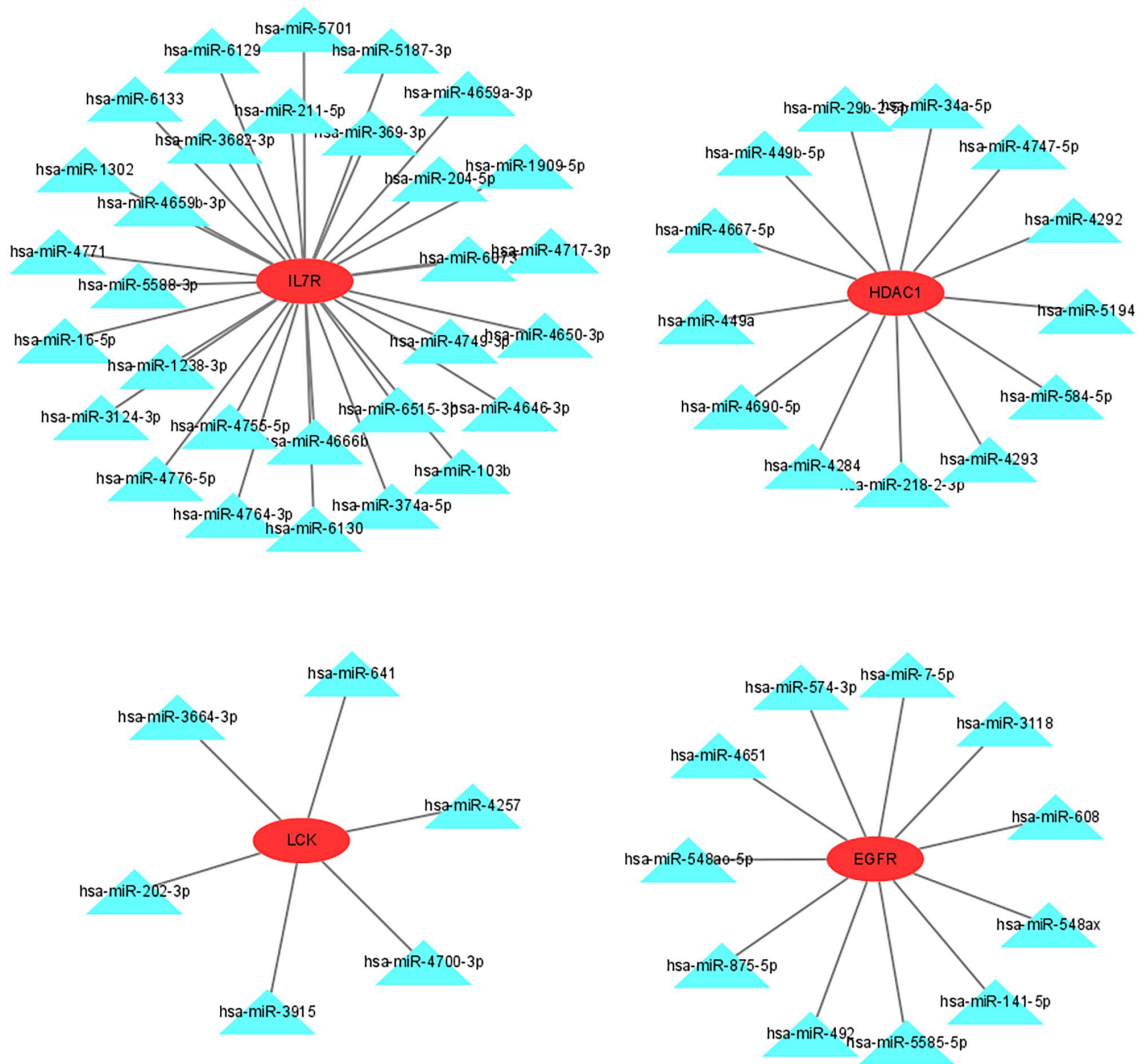
**Supplementary Figure 2.**The result of GSEA analysis between SSc and SSc-PAH groups.



**Supplementary Figure 3.** The Enriched GO- Cellular Component and Molecular Function terms.



Supplementary Figure 4. GO and KEGG pathway enrichment analysis of the blue module.



**Supplementary Figure 5.** The construction of the co-expressed network. Red ovals represent hub genes, and blue triangles represent the target mRNA-miRNA pairs