Supplementary Material

Supplementary Tables:

Table S1: Clinical Information and demographics of human subjects

Table S2: Panel 1 Antibodies conjugated metal, clone and vendor information

Table S3: Panel 2 Antibodies conjugated metal, clone and vendor information

Table S4: Mean degree centrality of major immune cell subsets in HC and HF network

Supplementary Figures:

Figure S1: Marker expression overlaid on t-SNE map (Panel 1)
Expression of indicated markers were overlaid on t-SNE map to shows the cellular phenotype ont-SNE map

Figure S2: Marker expression overlaid on t-SNE map (Panel 2)
Expression of indicated markers were overlaid on t-SNE map to shows the cellular phenotype ont-SNE map

Figure S3: Elbow plot
Within group of sum of square was plotted on y axis for increasing number of clusters on x-axis

Figure S4: Degree Centrality of immune cell subsets
Node degree centrality of HC and HF immunome network was plotted as bar graph. Color of graph shows the major cell lineage type
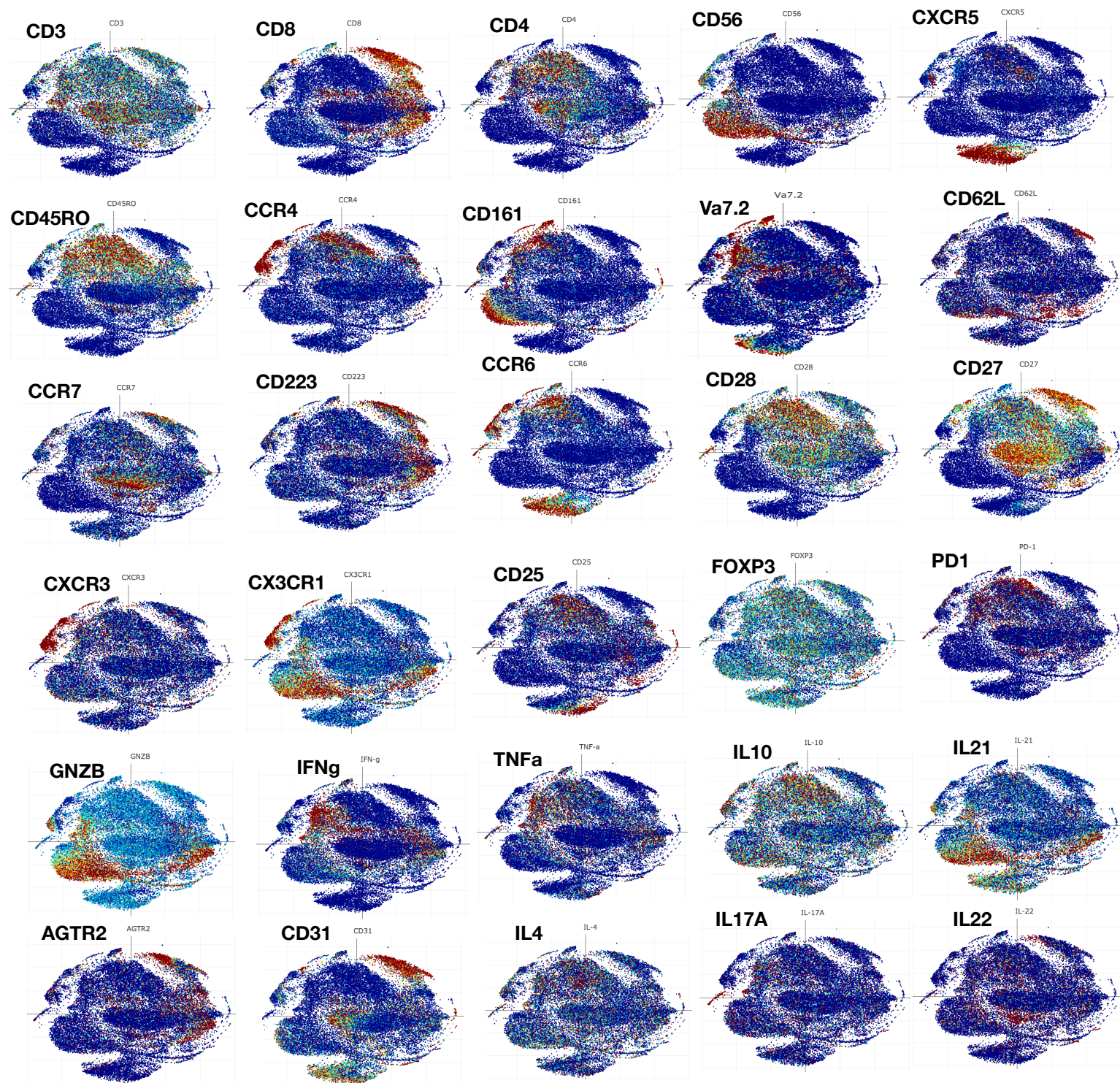
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Expression of indicated markers were overlaid on t-SNE map to shows the cellular phenotype ont-SNE map
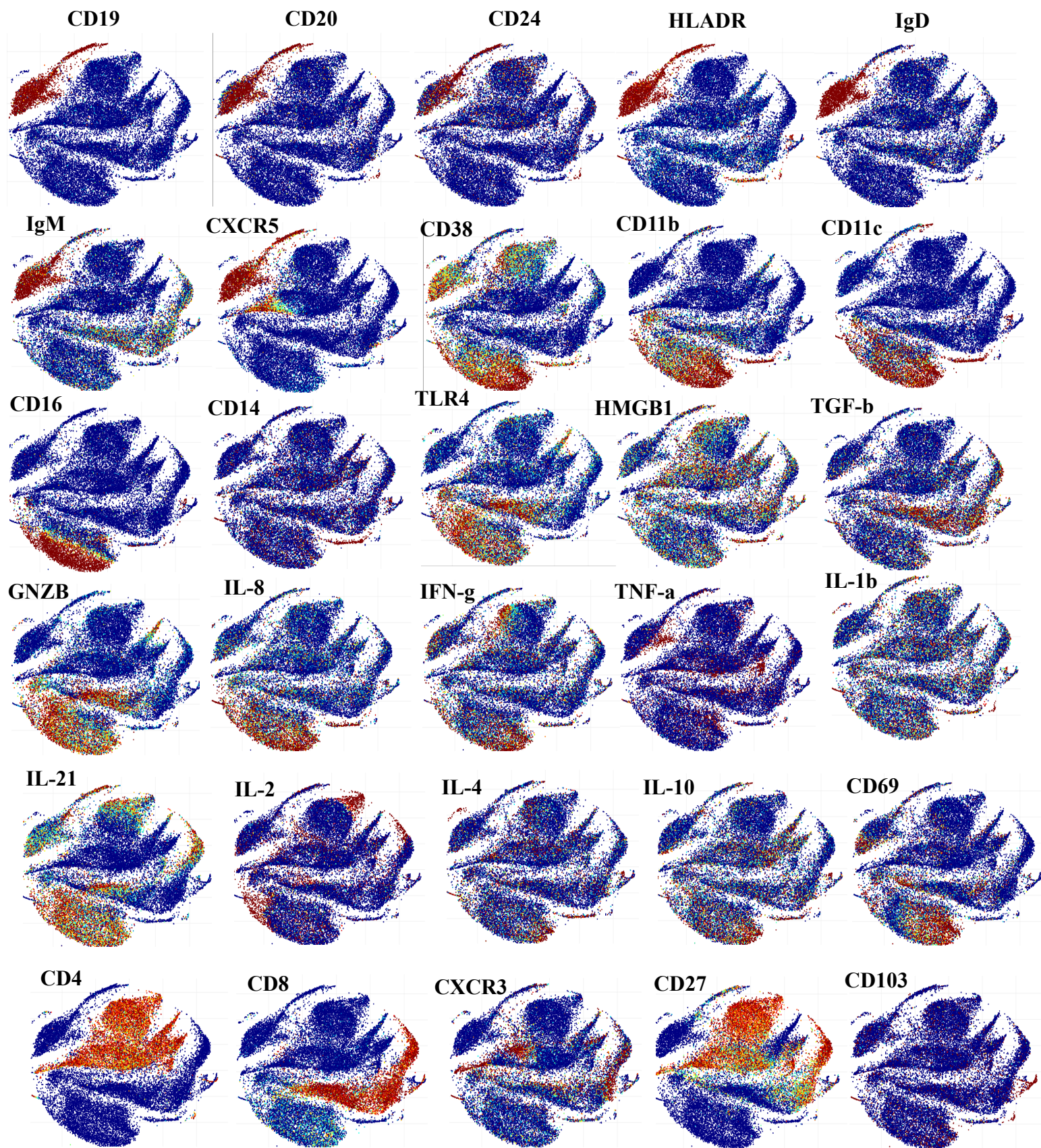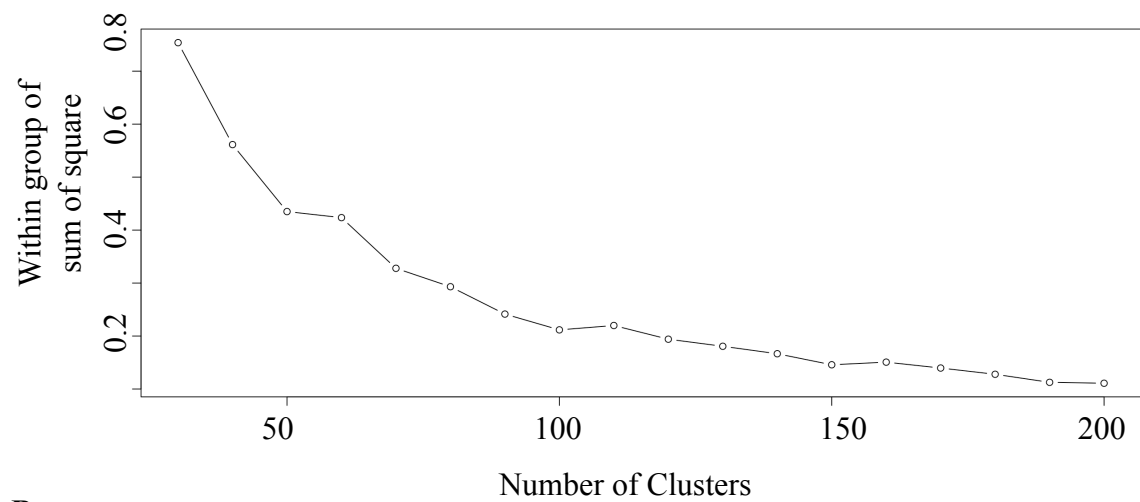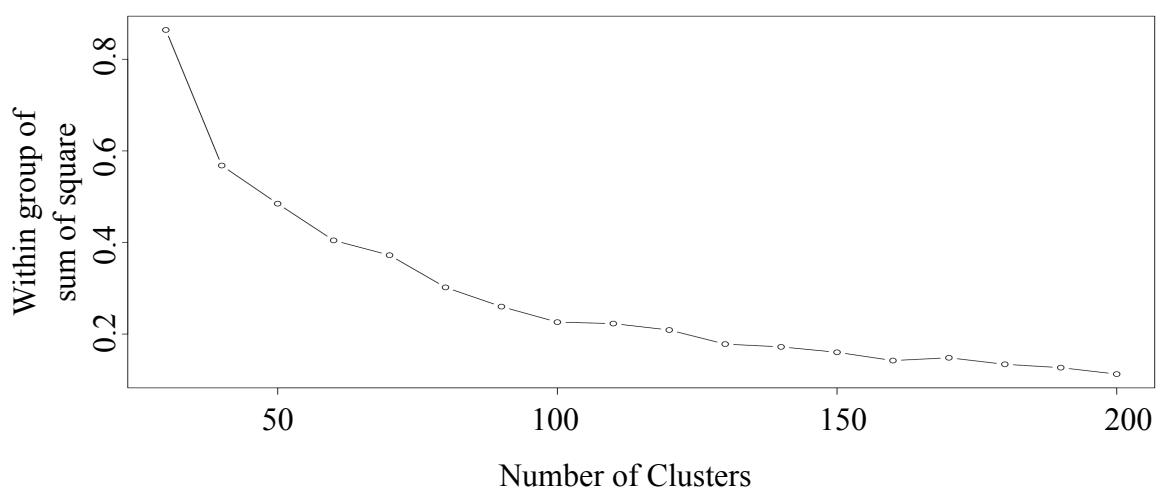
Figure S2: Marker expression overlaid on t-SNE map (Panel 2)
Expression of indicated markers were overlaid on t-SNE map to shows the cellular phenotype ont-SNE map

A   **Panel 1**

B   **Panel 2**

Figure S3: Elbow plot
Within group of sum of square was plotted on y axis for increasing number of clusters on x-axis
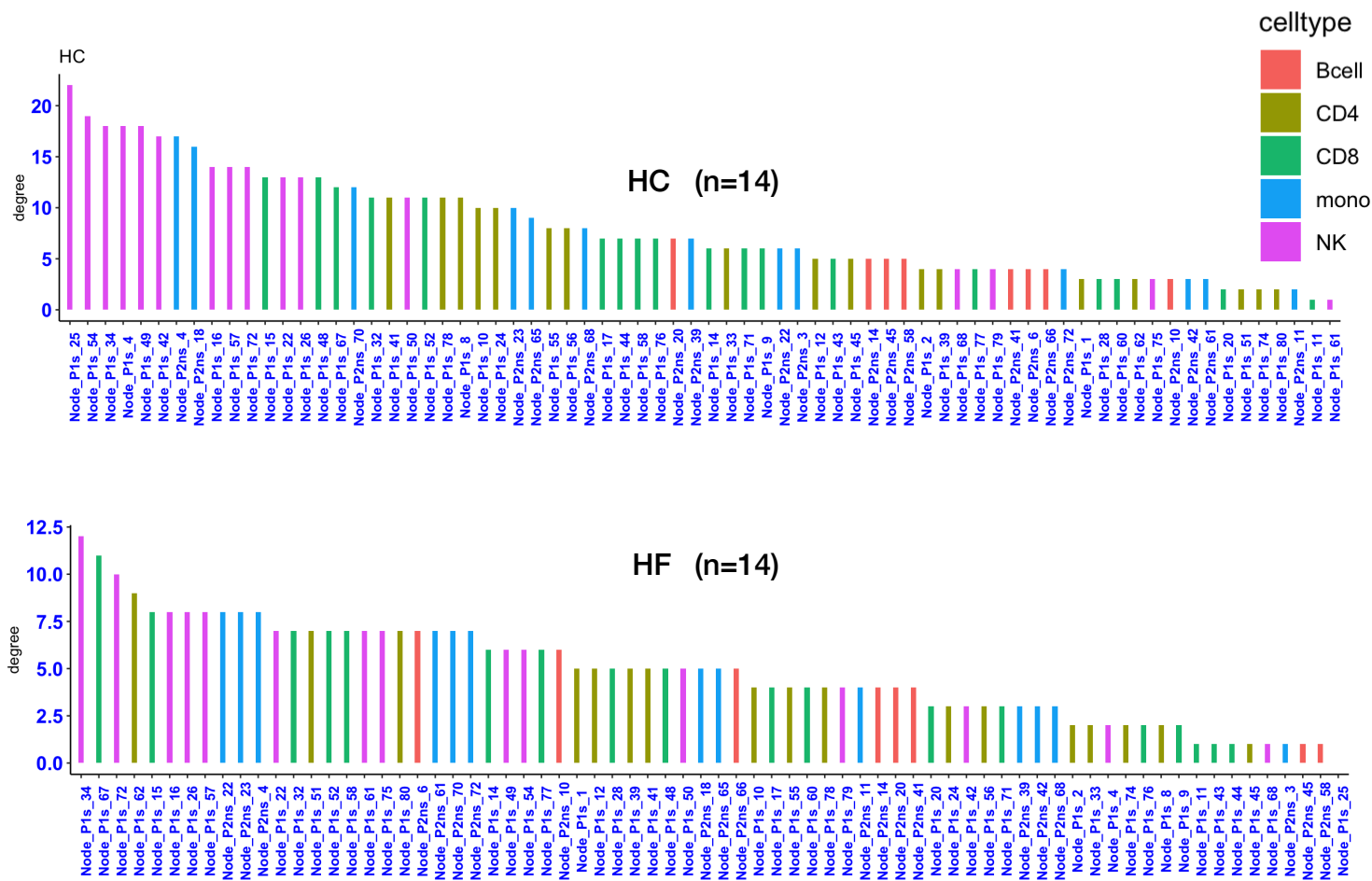
Figure S4: Degree Centrality of immune cell subsets

Node degree centrality of HC and HF immunome network was plotted as bar graph.

Color of graph shows the major cell lineage type