

1 **SUPPLEMENTAL TABLES**

2 Table S1: List of genes differentially expressed between steady state and VOE in CD45+ cells
3 in the complete cohort

4 Table S2: List of genes differentially expressed between steady state and VOE in CD45+ cells
5 in patients without chronic pain

6 Table S3: List of genes differentially expressed between steady state and VOE in CD45+ cells
7 in patients with chronic pain

8 Table S4: The gene expression levels of CD45, CD71, and CD15 for all CD71+ samples

9 Table S5: List of genes differentially expressed between steady state and VOE in CD71+ cells
10 in the complete cohort

11 Table S6: List of genes differentially expressed between steady state and VOE in CD71+ cells
12 in patients without chronic pain

13 Table S7: Complete summary of cohort demographics

14 Table S8: Per sample-level information for longitudinal samples

15 **SUPPLEMENTAL FIGURES**

16 Figure S1: Volcano plot depicting differentially expressed genes in CD45+ cells (n = 197
17 samples). The genes highlighted in brown are the prospective biomarker genes for VOE
18 diagnosis

19 Figure S2: Heatmap showing the genes that most significantly contribute to the enrichment
20 signal of the top five enriched pathways elevated during VOE when compared to steady state,
21 ranked by adjusted p-values



