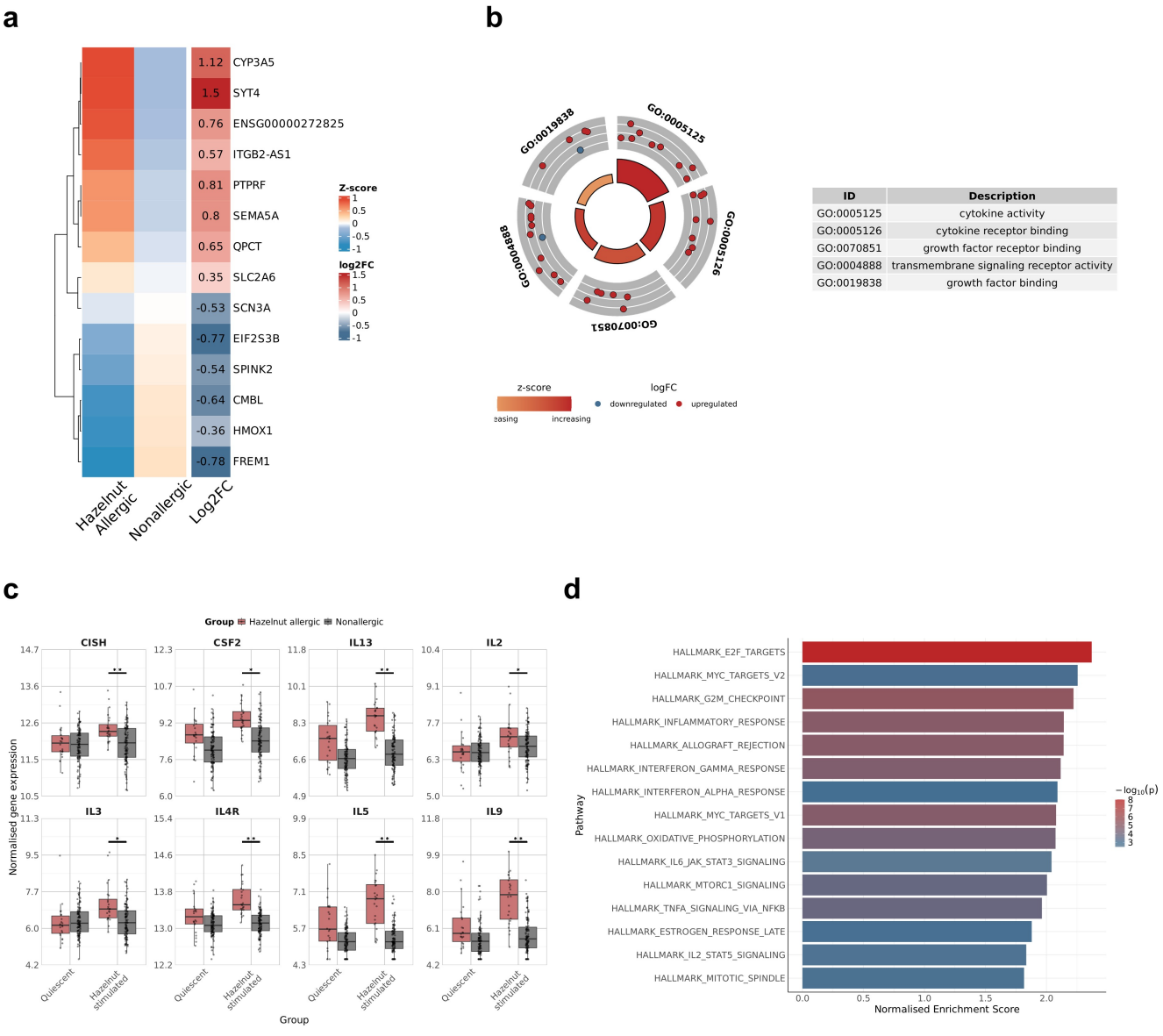


Figure E2. Summary of gene expression case-control data. (a) Heatmap of averaged z-scores showing the genes most highly differentiating between allergic and nonallergic individuals. (b) GOplot highlighting the key driver terms in the GO:MF analysis category using significant genes after hazelnut stimulation. The effect direction of each gene is highlighted. The GOplot Z-score indicates the balance of up- vs down-regulated genes contributing to each term. (c) Genes contributing to the JAK-STAT signalling pathway (* = $P_{FDR} \leq 0.05$, (** = $P_{FDR} \leq 0.01$). (d) GSEA analysis of hallmark gene sets generated from genes in the case-control stimulated samples. GO = Gene Ontology; BP = Biological Processes; MF = Molecular Function; GSEA = Gene Set Enrichment Analysis.