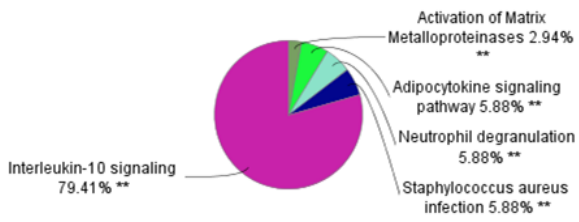
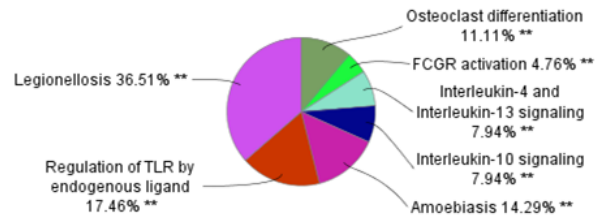
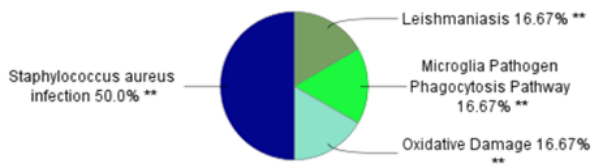
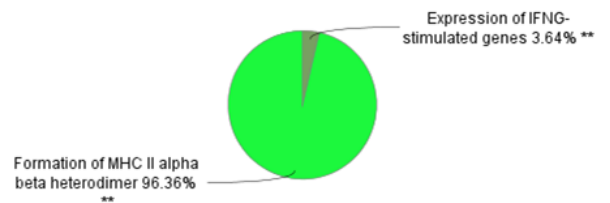
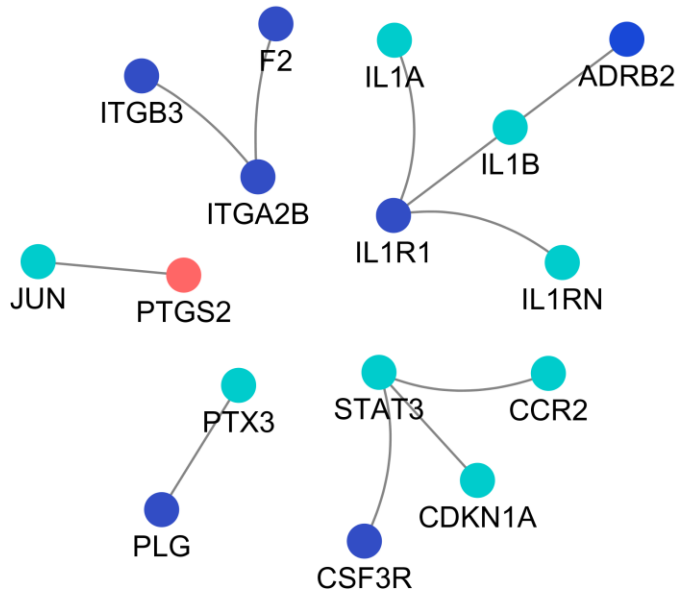


**A****B****C****D**

**Figure S1:** ClueGO enrichment analysis. (a-d) MCODE modules enrichment analysis functionally grouped as KEGG and Reactome pathways. Only the most significant terms in each group are presented.



**Figure S2:** Interactions between MI targets and hub and bottleneck genes. (Light green nodes are hubs and bottlenecks; Dark blue nodes are identified MI targets; orange node is an overlapped between targets and candidate genes). Hubs include IL1A, PTGS2 and IL1RN. Bottlenecks include CDKN1A, CCR2, and JUN. IL1B and STAT3 are hub-bottleneck genes.