

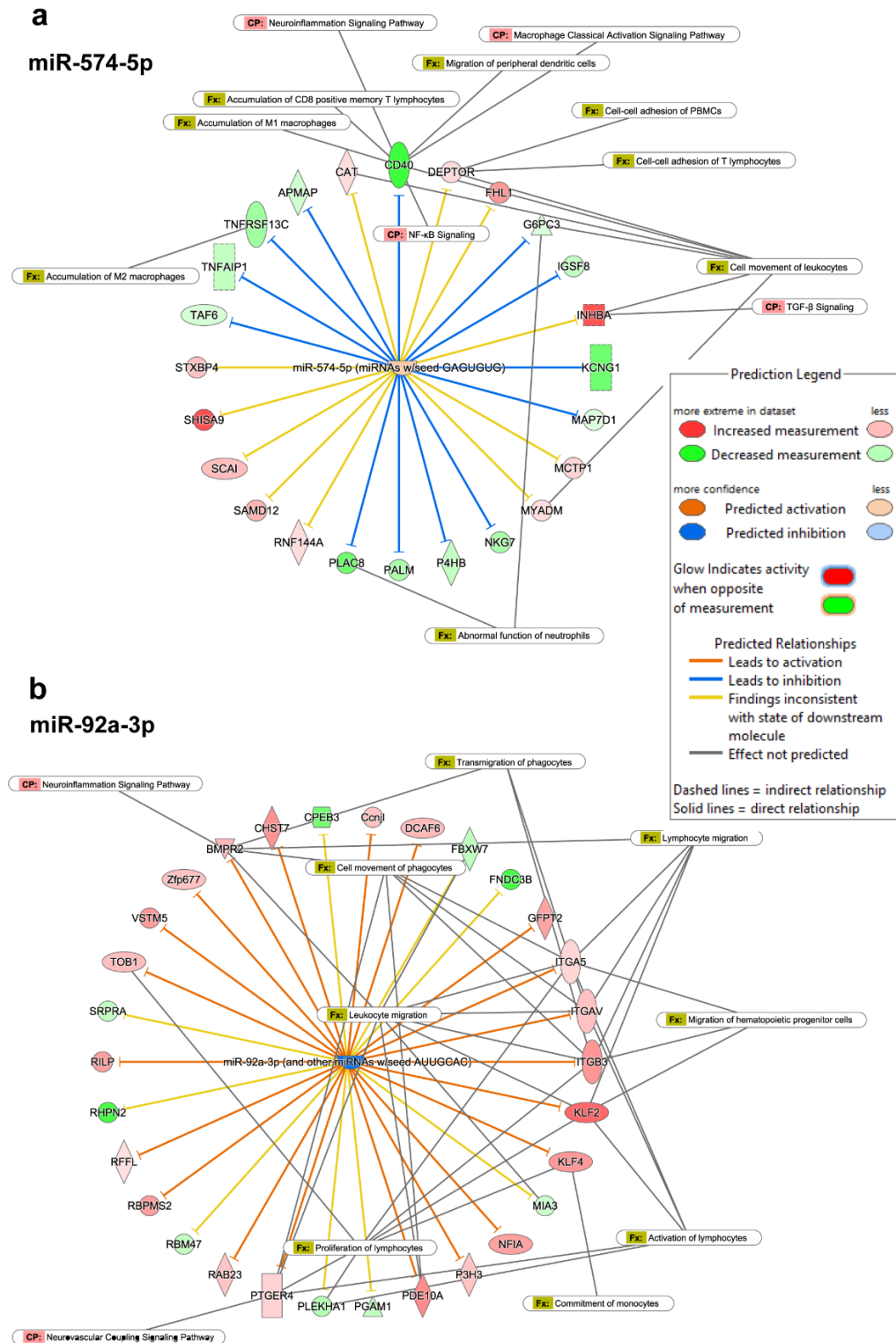


Fig S4. Chronic diabetes activates inflammatory pathways at the transcriptional level in HSCs. miR-574-5p and miR-92a-3p were also downregulated in the HSCs of db/db mice. **(a)** The network analysis for miR-574-5p revealed an upregulation of neuroinflammation, macrophage accumulation, and TGF- β

signaling. **(b)** The downregulation of miR-92a-3p activated neuroinflammatory and leukocyte migratory pathways via upregulating integrins (*Itga5*, *Itgav*, *Itgb3*) and Kruppel-like factor 2 and 4 (*Klf2* and *Klf4*).