**ESM Fig. 4** G-protein coupled cytokine signalling. A set of 13 genes (ESM Table 5), regarded as mainly GIP driven genes independent from glucose and insulin concentration, was involved in processes of G-protein coupled receptor mediated transmission of cytokine receptor signalling ($p=0.0157$). For example, MIP-1$\alpha$, MCP-3 and RANTES bind to CCR1; MCP-3, MCP-4 and RANTES bind to CCR3; MCP-1, MIP-1$\beta$ and RANTES bind to CCR4 etc.