

## **Description of Additional Supplementary Files**

**Supplementary Data 1.** Results of GSEA analysis. Each tab contains a different pair-wise gene set enrichment analysis (GSEA). Normalized enrichment score (NES) and false direct recovery (FDR) qvalues were obtained from GSEA software.

**Supplementary Data 2.** Oligonucleotide sequences for RT-qPCR. All the oligonucleotide primers used in this study were listed.