**List of Additional data files**

**Additional file 1: Table S1.** The list of variance filtered genes (variance > 0.25 quantile).

**Additional file 1: Table S2.** The list of differentially expressed genes.

**Additional file 2: Table S3.** The top 10 hub genes of each network module.

**Additional file 3: Table S4.** Important hub genes based on differential gene expression analysis.

**Additional file 4: Table S5.** *EMB* genes in the co-expression network.

**Additional file 5: Table S6.** TFs in the co-expression network.

**Additional file 5: Table S7.** The list of microRNA-targeted TFs.

**Additional file 6: Table S8.** Distribution of genes encoding epigenetic regulators across network modules.