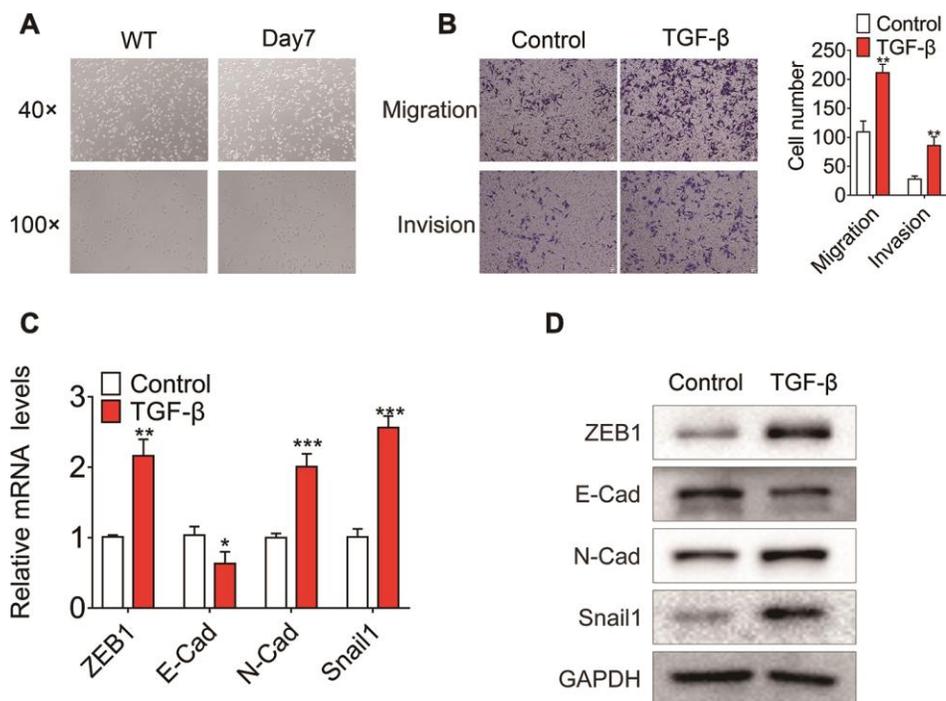
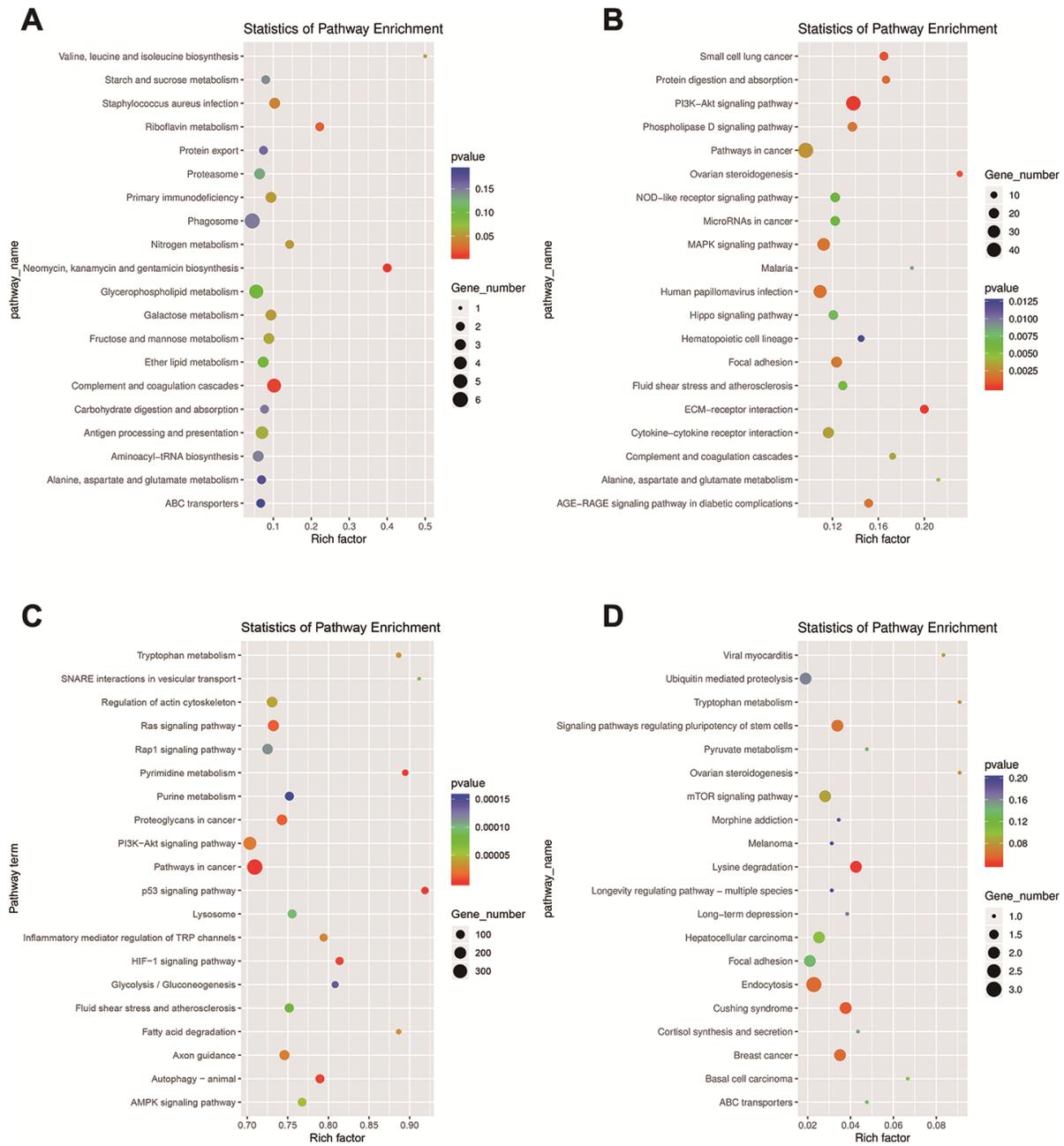


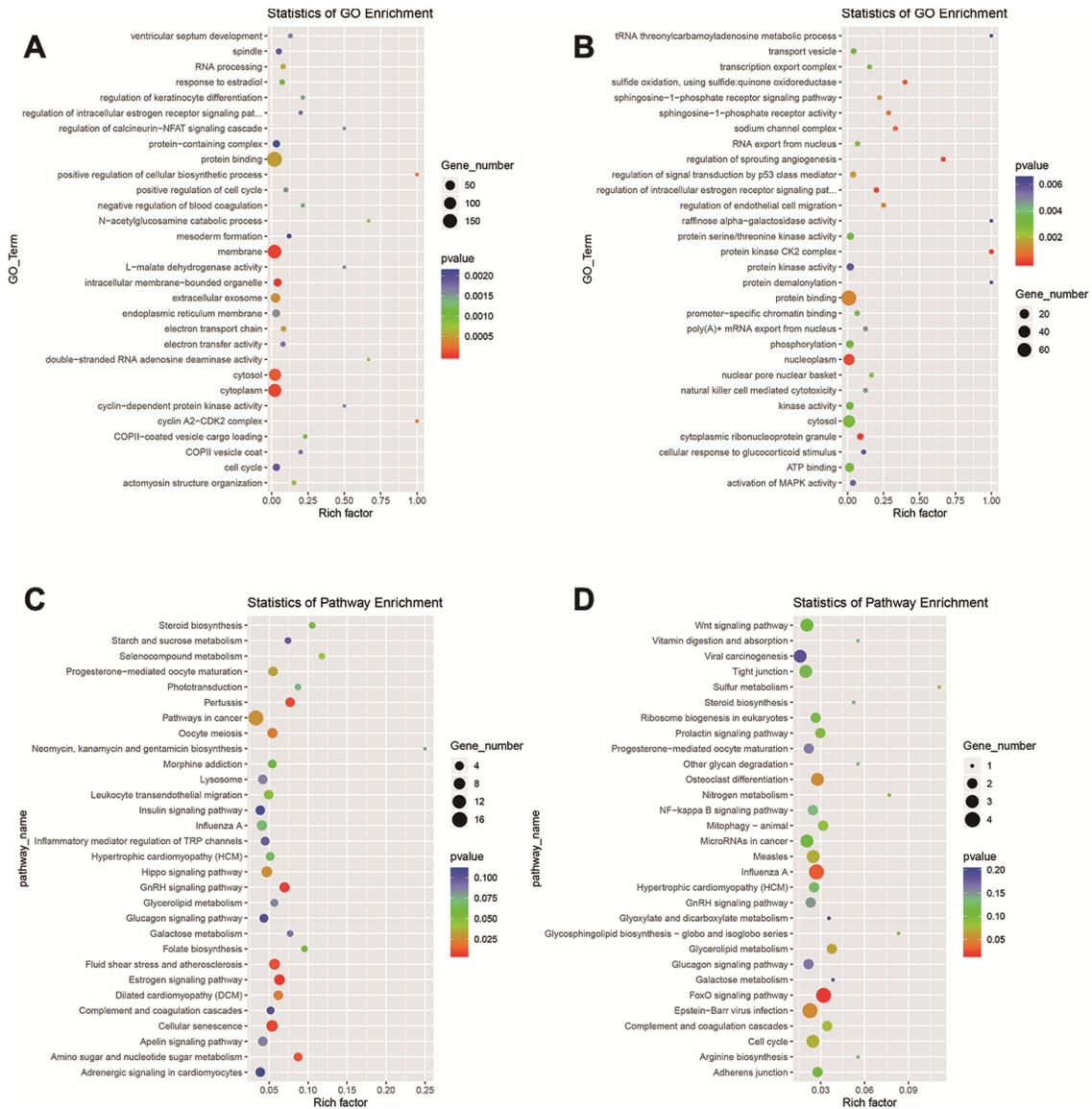
SUPPLEMENTARY FIGURES



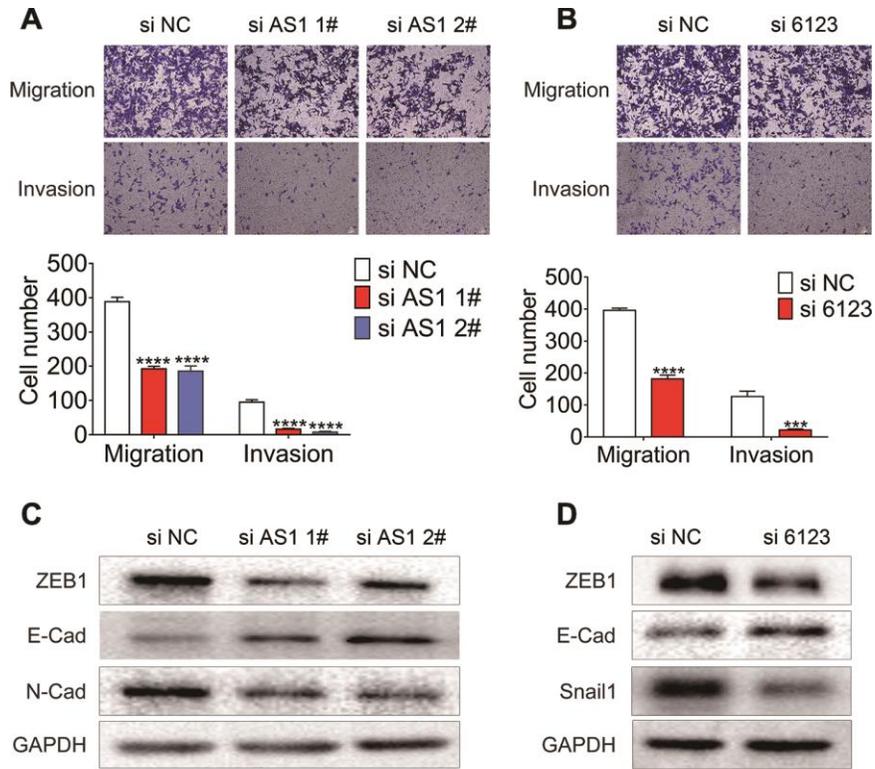
Supplementary Figure 1. Identification of the EMT cell model based on TGF- β treatment. (A) Phase-contrast micrographs of HLF cells treated with 10 ng/ml TGF- β for 7 days or left untreated. Scale bar = 100 μ m; (B) In vitro migration and invasion of HLF cells treated with 10 ng/ml TGF- β or left untreated. The number of migrated cells per field was counted after 48 h. (C) Relative mRNA levels of E-cadherin, ZEB1, SNAIL1, and N-cadherin in HLF cells treated with 10 ng/ml TGF- β for 7 days or left untreated. (D) Relative protein levels of E-cadherin, ZEB1, SNAIL1 and N-cadherin in HLF cells treated with 10 ng/ml TGF- β for 7 days or left untreated.



Supplementary Figure 2. KEGG pathway analysis of dysregulated RNAs. Top 20 KEGG pathways for the differentially expressed lncRNAs (A), mRNAs (B), miRNAs (C) and circRNAs (D). The color and size of each circle represents the P-value and the number of genes, respectively.



Supplementary Figure 3. GO and KEGG pathway analysis of two partial ceRNA networks. GO enrichment analysis for the modules of the lncRNA SLC7A11-AS1 (A) and hsa_circ_0006123 (B) ceRNA networks. KEGG pathway enrichment analysis for the modules of the lncRNA SLC7A11-AS1 (C) and hsa_circ_0006123 (D) ceRNA networks.



Supplementary Figure 4. Knockdown of lncRNA SLC7A11-AS1 and hsa_circ_0006123 suppresses the migration and invasion of HLF cell. Migration and invasion of HLF following treatment with si-lncRNA SLC7A11-AS1 (A) or si-hsa_circ_0006123 (B). Relative protein levels of EMT markers in HLF cells following treatment with si-lncRNA SLC7A11-AS1 (C) or si-hsa_circ_0006123 (D).