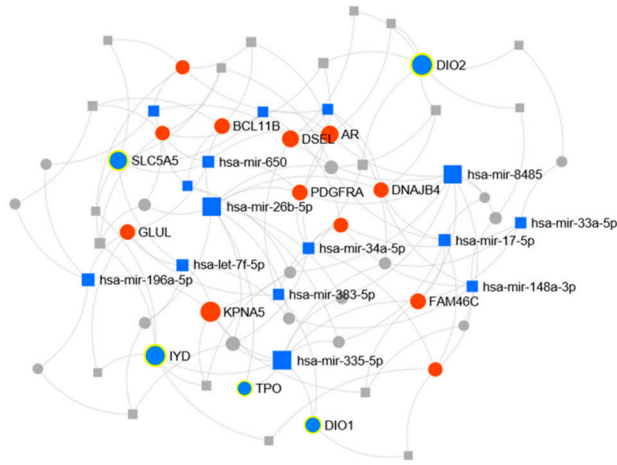


(A) Down-regulated genes



(B) Up-regulated genes

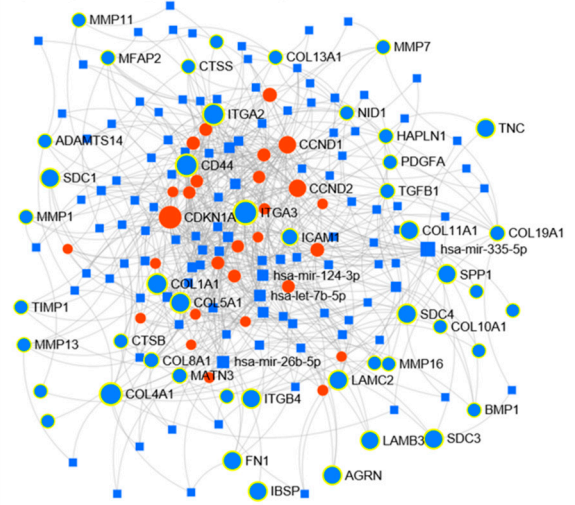
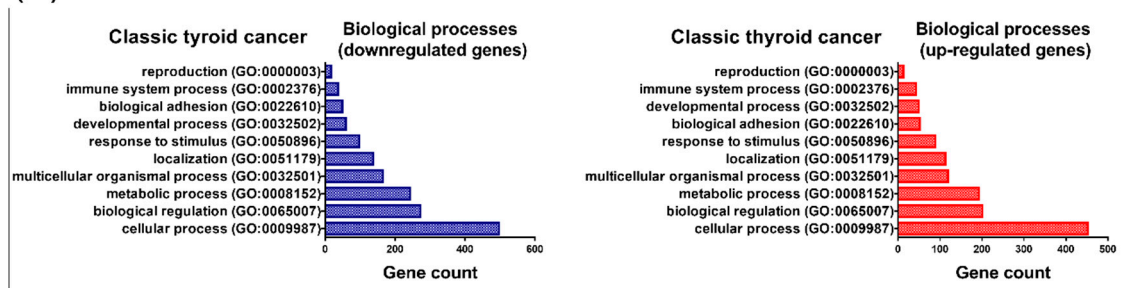
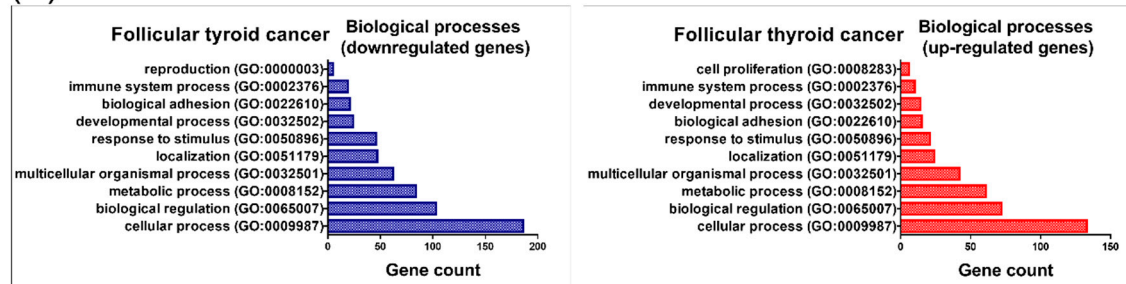


Figure S1. Interconnected gene network with specific miRNAs, generated using miRnet. (A) mRNA-miRNA network for down-regulated genes in PTC (based on Reactome classification) was related to Thyroxine biosynthesis, Neuronal System or Developmental Biology; (B) up-regulated genes in PTC (based on Reactome classification) were related to extracellular matrix organization, degradation of the extracellular matrix, collagen degradation.

(A) Classic PTC cancer



(B) Follicular PTC cancer



(C) Tall-cell PTC cancer

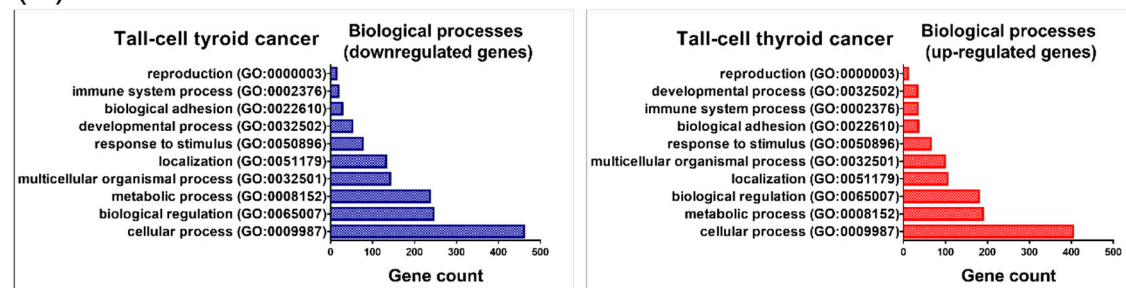


Figure S2. Bar graphs, displaying the enriched GO of differential expressed genes (using Panther Gene Ontology online tool) for the main subtypes of papillary thyroid cancer: (A) classic, (B) follicular variant and (C) tall-cell.