Supplementary Materials: A multi-step miRNA-mRNA Regulatory Network Construction Approach Identifies Gene Signatures Associated with Endometrioid Endometrial Carcinoma

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Table S1. Sequence of Primers for RT-PCR.

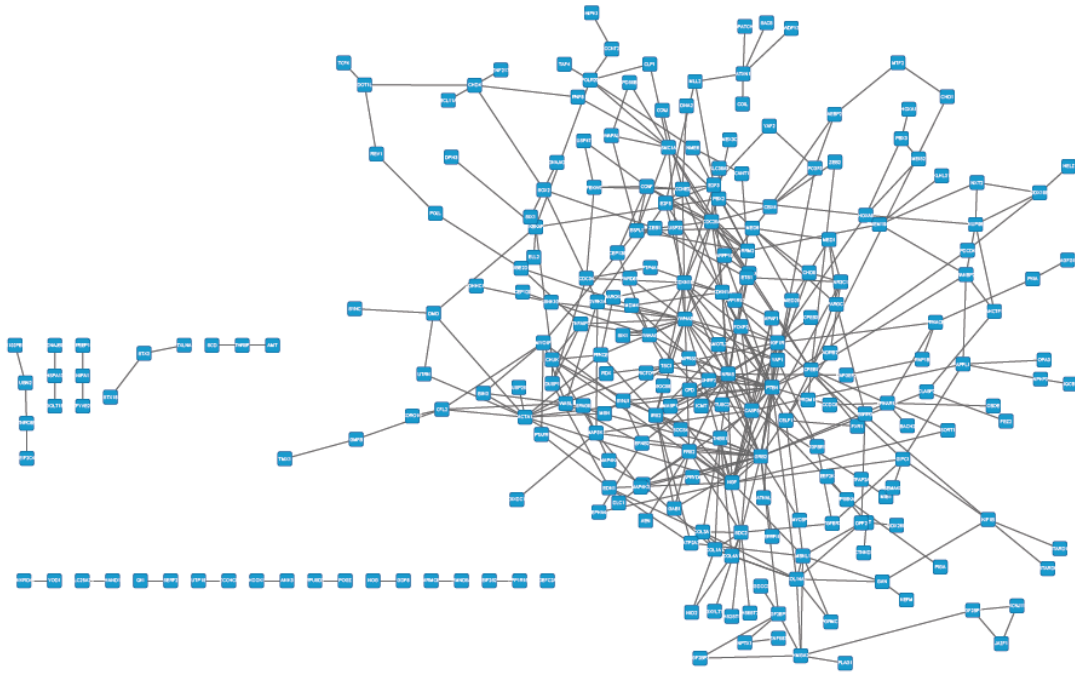| Gene	Name	mRNA no.	F-primer	R-primer	Product Size
GRB2	growth factor receptor-bound protein 2	NM_002086.4	ACGGCTTCATTCCCAAGAACT	TCCAAACTTGACAGAGAGGGAGA	173
PTEN	phosphatase and tensin homolog	NM_000314.4	ACAATCTTTGTGCTGAAAGACATTA	CACCAGTTCGTCCCTTTCCA	195
NGF	nerve growth factor	NM_002506.2	GGGAGCGCAGCGAGTTTTG	TTAAACAGCCTGGGGTCCAC	381
CDC25A	Cell division cycle 25A	NM_001789.2	CCCTACCTCAGAAGCTGTTGG	GCAGAGTTCTGCCTCTGTGT	217
NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	NM_002524.4	GCTTGAGGTTCTTGCTGGTGT	CGCCTGTCCTCATGTATTGGT	250
CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	NM_000389.4	GCCGAAGTCAGTTCCTTGTG	TCGAAGTTCCATCGCTCACG	230
CASP3	caspase 3, apoptosis-related cysteine peptidase	NM_004346.3	GCCGTGAGGAGTTAGCGAG	CGAGATGTCATTCCAGTGCT	293
IGF1R	insulin-like growth factor 1 receptor	NM_000875.4	TCTATGTCCAGGCCAAAACAGG	GTGATCTTCTCCCGAGCCAC	235
IRS2	insulin receptor substrate 2	NM_003749.2	TCTCAGGAAAAGCAGCGAGG	TCACGTCGATGGCGATGTAG	233
CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	NM_004064.4	ACCCGGGAGAAAGATGTCAAA	TGCCCTCTAGGGGTTTGTGA	230
CPEB1	cytoplasmic polyadenylation element binding protein 1	NM_001079533.1	GCCTAAAGGGTATGTGTATCTGG	CATGCAGAGCACCGACAAAC	245
ACTA1	actin, alpha 1, skeletal muscle	NM_001100.3	AATGTGCGACGAAGACGAGA	ATGATGCCGTGCTCGATAGG	234
SDC2	syndecan 2	NM_002998.3	GCCGGTCCCTGGGGAATATG	TCTACATCCTCATCAGCTCCCGA	208
CCNE2	cyclin E2	NM_057749.2	GTAGCTGGTCTGGCGAGGTT	TAATGCAAGGACTGATCCCCC	252
YWHAB	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta	NM_003404.4	GGCCGCTACAAAAAGTGCAT	CATGCCCCTGTTCTGTGACT	187
ACTB	Beta-actin	NM_001101.3	CTCACCATGGATGATGATATCGC	AGGAATCCTTCTGACCCATGC	163

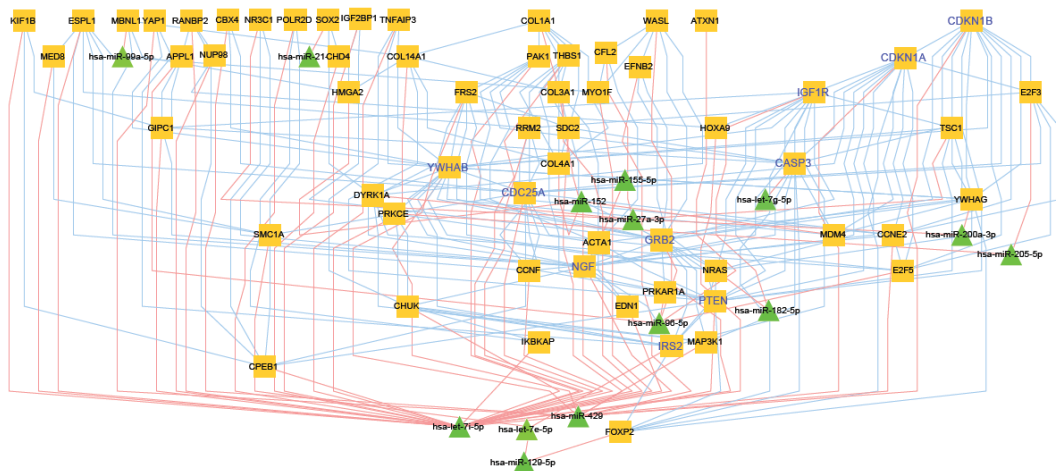**Figure S1.** 61 of the potential targets possess a high score (≥5).

Figure S2. The interactions of 61 genes and the relationships with miRNAs.