

**Table SI.** The clinicopathological data of the 95 patients in the present study.

Variable	No. of patients (n=95)
Age, years	
<55	69
≥55	26
Sex	
Male	23
Female	72
Tumor size, cm	
<1	46
≥1	49
Lymph node metastasis	
Yes	58
No	37
Multifocality	
Yes	31
No	64
Extrathyroidal extension	
Yes	35
No	60
Lymphocytic thyroiditis	
Yes	26
No	69

**Table SII.** shRNA and primer sequences used in the present study.

Identifier	Sequences (5'-3')
Periostin-SH1-Fw	CTGACATCATGACAACAAA
Periostin-SH1-Rv	TTTGTTGTCATGATGTCAG
Periostin-SH2-Fw	ACGAGAAGAACGAATCATT
Periostin-SH2-Rv	AATGATTCGTTCTTCTCGT
Periostin-SH3-Fw	CCAGTGTTCTGAGTCTATT
Periostin-SH3-Rv	AATAGACTCAGAACAACCTGG
Periostin-SH4-Fw	TGCTTATTGTTAACCCCTAT
Periostin-SH4-Rv	ATAGGGTTAACAATAAGCA
HIF-1 $\alpha$ -SH1-Fw	ATGGAGGGCGCCGGCGGC
HIF-1 $\alpha$ -SH1-Rv	CAAGTCGTGCTGAATAATAC
HIF-1 $\alpha$ -SH2-Fw	GTCACCACAGGACAGTACAG
HIF-1 $\alpha$ -SH2-Rv	GGTGGCAGTGGTAGTGGTGG
HIF-1 $\alpha$ -SH3-Fw	GAGATGTTAGCTCCCTATATCC
HIF-1 $\alpha$ -SH3-Rv	GTAACTTGATCCAAAGCTCTG
HIF-1 $\alpha$ -SH4-Fw	GTCACCACAGGACAGTACAG
HIF-1 $\alpha$ -SH4-Rv	ACTAGGTGTCTGATCCTGAA
HIF-1 $\alpha$ -SH5-Fw	AGTCCTCCGATGGAAGCAC
HIF-1 $\alpha$ -SH5-Rv	TGTAAGTGTGCTTTGAGGAC
Negative control-Fw	CAACAAGATGAAGAGCACCAA
Negative control-Rv	TTGGTGCTCTTCATCTTGTTG

Fw, forward, Rv, reverse; HIF-1 $\alpha$ , hypoxia inducible factor 1 subunit  $\alpha$ .