

## SUPPLEMENTARY TABLES

**Supplementary Table 1. Sequence of primers used for real-time quantitative PCR.**

KLHL30	Forward primer	5'-AGCTATGACCCCTACACGGA-3'
	Reverse primer	5'-CGATCACACTCCACGCATCT-3'
LYVE1	Forward primer	5'-AGCTTTGAAACTTGCAGCTATGG-3'
	Reverse primer	5'-TCCAAATCAGGACACCCACC-3'
PLN	Forward primer	5'-ATCACAGCTGCCAAGGCTA-3'
	Reverse primer	5'-AGCTGAGCGAGTGAGGTATTG-3'
TIMD4	Forward primer	5'-AGCAAACACGTGCCTTTTCCAC-3'
	Reverse primer	5'-GGGTATTCCATCCATCTGTCCT-3'
ACTB	Forward primer	5'-CATGTACGTTGCTATCCAGGC-3'
	Reverse primer	5'-CTCCTTAATGTCACGCACGAT-3'

**Supplementary Table 2. Detailed information of IHC results.**

Gene	Type	Patient ID	Gender	Age	Staining	Intensity	Quantity
PLN	Normal	2429	Male	55	Not detected	Negative	None
	Tumor	3625	Male	59	Low	Weak	>75%
LYVE1	Normal	3402	Female	54	Low	Moderate	<25%
	Tumor	983	Female	53	Not detected	Negative	None
TIMD4	Normal	3402	Female	54	Low	Weak	>75%
	Tumor	2399	Female	52	Not detected	Negative	None