

**Supplementary Table 1. The primer sequences were used in study.**

Gene		Sequences
PHKB	Forward	5'-CCCAGAGAGTTTCATTATCAGG-3'
	Reverse	5'-GTGAGCTGGAAGGTCTTGGA-3'
GAPDH	Forward	5'-GTCATCCAACGGGAATGCA-3'
	Reverse	5'-TGATCGGTTACCGTGATCAAAA-3'
E-cadherin	Forward	5'-TACGCCTGGGACTCCACCTA-3'
	Reverse	5'-CCAGAAACGGAGGCCTGAT-3'
N-cadherin	Forward	5'ATCCTACTGGACGGTTTCG3'
	Reverse	5'TTGGCTAATGGCACTTGA3'
Vimentin	Forward	5'GAACGCCAGATGCGTGAAATG3'
	Reverse	5'CCAGAGGGAGTGAATCCAGATTA3'
$\beta$ -catenin	Forward	5'-CAGAAGCTATTGAAGCTGAGG-3'
	Reverse	5'-TTCCATCATGGGGTCCATAC-3'
MMP-9	Forward	5'-GGGACGCAGACATCGTCATC-3'
	Reverse	5'-TCGTCATCGTCGAAATGGGC-3'
Slug	Forward	5'AAGCATTTCAACGCCTCCAAA3'
	Reverse	5'GGATCTCTGGTTGTGGTATGACA3'
Snail	Forward	5'TCGGAAGCCTAACTACAGCGA3'
	Reverse	5'AGATGAGCATTGGCAGCGAG3'
Twist	Forward	5'CCGGAGACCTAGATGTCATTG3'
	Reverse	5'CCACGCCCTGTTTCTTTG3'