

SUPPLEMENTARY TABLES

Supplementary Table 1. The primer information.

Gene name	sequence
CXCR4 shRNA#1	sense: 5'- CGTCCACTTACTGCATCCTCT -3' antisense: 5'- TACTTGTCCGTCATGCTTCTC -3'
CXCR4 shRNA#2	sense: 5'-GCCCTCGATCCCGTACAGCCT-3' antisense: 5'- ATTTCTAGCTTTACGTGATTC -3'
CXCR4 shRNA#3	sense: 5'-GCATTGACCGGAGGAGCAGCA-3' antisense: 5'-ATGCCAGTTAAGAAGATGATG -3'
Scramble shRNA (pLX304-Blast-V5-CXCR4)	sense: 5'-CGCAAATGGGCGGTAGGCGTG-3' antisense: 5'-TACGGGAAGCAATAGCATGA-3'

Supplementary Table 2. The antibodies information for IHC and WB.

Antibody name (company)	Dilution
Immunohistochemistry	
CXCR4 (CST)	1:100
E-cadherin (CST)	1:200
N-cadherin (CST)	1:200
Vimentin (CST)	1:200
CD44 (CST)	1:200
CD133 (CST)	1:200
NANOG (CST)	1:200
Oct-4 (CST)	1:200
Western blotting	
CXCR4 (Abcam)	1:800
E-cadherin (Santa)	1:1000
N-cadherin (Santa)	1:1000
Vimentin (Santa)	1:1000
CD44 (Santa)	1:1000
CD133 (Santa)	1:1000
NANOG (Santa)	1:1000
Oct-4 (Santa)	1:200
β -catenin (Santa)	1:1000
Akt (Santa)	1:1000
p-Akt at Ser473 (Santa)	1:1000
mTOR (Santa)	1:1000
p-mTOR at Ser248 (Santa)	1:1000
Bcl-2 (Santa)	1:1000