

Supplementary Table S1. Nucleotide Sequences of primers used for expression and methylation study

Gene	Expression Primers	
	Forward	Reverse
CXCR4	5'-GGAAAAGATGGGGAGGAGAG-3'	5'- CACTTCCAATTCAGCAAGCA -3'
CXCL12	5'-AGAGCCAACGTCAAGCATCT-3'	5'-GGGCAGCCTTTCTCTTCTTC-3'
β ACTIN	5'- AAATCTGGCACCACACCTTC-3'	5'-AGCACAGCCTGGATAGCAAC-3'
	MSP Primers	
CXCR4 (CpG1 Methylation)	5'CGTTCGTTTTTAATTCGGGGTTAAGCG-3'	5'ATCCCCTCAAAAATCGACGCG3'
CXCR4 (CpG1 Unmethylation)	5'TTGTGTTTGTTTTAATTTGGGGTTAAGT- 3'	5'-CCCCTCAAAAATCAACACAATAAA-3'
CXCR4 (CpG2 Methylation)	5'-CGCGTTTTTTATTTGTTTTTAGGC-3'	5'-CTAAAATTTCTAACCGCGACC-3'
CXCR4 (CpG2 Unmethylation)	5'GTTTGTGTTTTTTATTTGTTTTTAAGGT-3'	5'-CCACAACCAAACTTTTATAAAAAC-3'
CXCR4 (CpG3 Methylation)	5'-GTTCGTGTCGCGACGTAC-3'	5'-TCCCCATACTCGACGTCTTCCAC-3'
CXCR4 (CpG3 Unmethylation)	5'-GGGGTTTGTGTTGTGATGTAT-3'	5'-AACATCTTCCACAATTTTAAACAAAA-3'
	BSP Primers	
CXCR4	5'TATTTTGTGTATAAGTGTAGAG AAGG-3'	5'-CCTCTACCTACTATACTAAAAA-3'

Supplementary Table S2. Fold change in CXCR4 expression by Real time PCR in cell lines and tumor biopsy samples.

Samples	Fold change	Up/Down Regulated
T8	68.5	Down
T9	32	Down
T10	68.5	Down
T11	16	Down
T12	16	Down
T13	3.03	Down
T14	6.06	Down
T15	1.07	-
T16	10.55	Down
T17	1.4	Down

Supplementary Figure S1: Effect of recombinant SDF-1 α on adhesion of C-33A cells to fibronectin coated surface. * P-value \leq 0.05, ** P-value \leq 0.005, *** P-value \leq 0.0005.

