

Targeted methylation of the epithelial cell adhesion molecule (EpCAM) promoter to silence its expression in ovarian cancer cells

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Supplementary information S1: Primer and amplicon sequences

Sequences of primers used for bisulfite DNA methylation analysis

Gene name	Primer sequence
KIAA0179	For: 5'- TTYGTTTTTTTTTGGTTAAGTTT-3'
	Rev: 5'-RCCCACCTATCTCCCTCTA-3'
DSCR3	For: 5'-TTTTTAAGTTTTAGAGTTTGGGGT-3'
	Rev: 5'ATACCTACCCTCCTCAAATATCCTTAA-3'
SUMO3	For: 5'-GGGTTTTGGGATTTTTGTT-3'
	Rev: 5'-AACCTCCAATACCTCAATTTCT-3'
EpCAM	For: 5'-CTTTTTAAGGTTTTAGAGTAG-3'
	Rev: 5'-AAAAAATAAATAAACTCCCCTCCC-3'
WRB	For: 5'-GTAAGTGGTTGTTGGTTTTTTAA-3'
	Rev: 5'-AAACACTAAAACTCCCAATATAAAAT-3'

Amplicon sequences

KIAA0179

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TAACCCTGGCTAACCTCGCCGTCTACAGCCTGAATTTTGGCAACCGAAAGGCAGCGCC
GGCGCCACGTGCACACGGGCTGGGCCGCTCCGCCAGCTGCCAGGGCCACTGCCGCG
CTCACTCCCAGAGCGCGCTGCGAGCCGCGGCGCCTTTGTGACGCCATCAGCCCGCGC
GCCGCCGCCGCCGCTTCTGTGCAGTCGCGGCCCGGGCGGACGGTGGCTGGCTGCT
CCGCAGCGCTCGGCTGGCTGCAGCGGCACCGCGGGTTGCGCGGCCGGGGATGCTCC
AGCGGGCGCGATGGCCCCCGCCATGCAGCCGCGCGAGATCCAATTTGCCAGCGGCT
GGCGTCCAGCGAGAAGGGCATCCGGGACCGAGCGGTGAAGAAGCTGCGCCAGTACAT
CAGCGTGAAGACG
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DSCR3

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CGTGCCTTTCCACCCTTACGCGGGGCGCACGGATCTGAATATTTAACACCCGGTTCCA
GGACACGCGCCTGGGGAACACCCACAATCCCTCGCGGCCCGCGGAGCCCGGCTGGC
GGGTGACCCAGCGCCCCGCGGCTCCGAGAGGAGCGAGGTCACCCGGCGCTTCCCGAG
ACCTTGCCCTAGGCCAGCTGGCGCTGGGACGCGAGGCAACCGAGCCGCCGGCCAA
TCAGCGCTTTGCAGGACTAGCACGCAGGGGCCGCACCCCTGAGGGTGACCGGAACCG
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CTCCCGCGGGAAGGGCAGGGTGCGGCGCCTGGCCGCAGACAGACAAGGGGGCGCCG
GCTCTTCAGAACCCCAAGGAGAAAGCGGTGGAGGGCTAGAGTTGAGGAGA

SUMO3

CGCCTCCCCGCGTCGCCCGGGCCCCGACTCCTTTCTGGGGGCGCGTTCTGGGGC
GCCGGGAAGTGAGGCCGGGGCCGCCGCCATGGCCGCAGGGACCTGGGGCGGAGGA
GGGAGGACGCTGGGGGTGACGTTCCCTCTCAGGAGCCGCGGACAGAGCGGAGAAGG
CGGCCCGCGGGGTCCCGTCCGCGGGGGCCGCGGAATCGGGCCAGCACCCCTAGACG
ATTGGGGGCGCCACCCGCCTCCCTGCCGCCGCGGTTTCTGTCAGCCCCAGGCCGGG
CTCCTTTGGCCAACGCTCCTACGGGGCTGCCCGGGCCCTCCACACCCGTCCTCAAGA
AGACCCGTTTTACCTGTGA

WRB

GGGCCGGTGGGGATGCCGCCCCAGTCCCCCGGCGGGTCTGGCGTAGGTACAGGGGT
CTCAACTGGGCGACTGAAGGCCGTAGTAGCGTCTTGGTTGGTCCGTAAGCTTTTTGAG
ATAGTTGTTAGCGTCTAAAAGGTACGACGCTTTACCCCAAATCAGACTTTCTGGGTTCT
AGGGGGTTGGGAGAAACACCGGGCAACCCTGGACTCTTCTGGCTGTGGGTGGCGGCG
GCGA

EpCAM

TTCTTCAAGGCTTCAGAGCAGCGCTCCTCCGGTTAAAAGGAAGTCTCAGCACAGAATCT
TCAAACCTCCTCGGAGGCCACCAAAGATCCCTAACGCCGCCATGGAGACGAAGCACCT
GGGGCGGGGCGGAGCGGGGCGCGGGGCCACACCTGTGGAGAGGGCCGCGCCCC
AACTGCAGCGCCGGGGCT **GGGGAGGG** GAGCCTACTCACTCCCCAACTCCC

(the Zinc finger binding site is colored)