

Supplementary Materials

Table S1. Gene silencing and primer oligo list. Gene silencing oligos used in this study. Listed are gapmeRs to silence Aerie and a non-targeting control gapmeR. Primers used to measure expression of the listed (human) genes by RT-qPCR.

Gene silencing oligos	Sequence (5'-3')
Gapmer ctrl	AACACGTCTATACGC
Gapmer Aerie	GTCTTAACTGGAAGAA
Si Ctrl	MISSION siRNA Universal Negative Control #1 (SIC001)
Si JMJD2B	UGAUGCUCUCAGGGUACAG

RT-qPCR primer oligos	Sequence (5'-3')
Aerie	AAGCCAGCATT TTTAATAAATAGGAA AAACTGCCTCCTCAGACTGC
RPLP0	TCGACAATGGCAGCATCTAC ATCCGTCTCCACAGACAAGG
SULF1	CCATTCAAGGAGGCTGCTCA TGTCTGCCAGTGGTTGTTGT
SNAIL	ACCACTATGCCGCGCTCTT GGTCGTAGGGCTGCTGGAA
CNN1	CTGAGAGAGTGGATCGAGGG CTGGCTGCAGCTTATTGATG
FN1	TGGTGGCCACTAAATACGAA GGAGGGCTAACATTCTCCAG
CTGF	GTGGAGTATGTACCGACGGC TCCGGGACAGTTGTAATGGC
SM22	AAGAATGATGGGCACTACCG ATGACATGCTTTCCCTCCTG
VE-Cadherin	CGGCGCCAAAAGAGAGATTG CACGCTTGACTTGATCTTGCC

Table S2. Antibody list. Antibodies used in this study. Listed are antibodies, the species these were raised in, the company these were bought from, the catalog number, the application we used these for and the used dilution.

Antibody	Species	Company	Catalog #	Application	Dilution
GAPDH	Rabbit	Cell signaling	14C10	WB	1:10000
VE-Cadherin	Rabbit	Cell signaling	2500s	WB	1:1000
SM22	Rabbit	Cell signaling	ab10135	WB	1:1000
VE-Cadherin	Rabbit	Cell signaling	2500s	IF	1:400
SM22	Rabbit	Cell signaling	ab10135	IF	1:500
anti-mouse HRP	Goat	Dako	p0447	WB	1:5000
anti-rabbit HRP	Goat	Dako	p0448	WB	1:5000