

**Supplementary Table 1. List of antibodies used in this study.**

<b>Name</b>	<b>Company</b>	<b>Catalog #</b>
SOX9	EMD Millipore	AB5535
ALDH1A1	EMD Millipore	MABN838
$\beta$ -actin	Sigma-Aldrich	A5441
GAPDH	EMD Millipore	CB1001
anti-rabbit-HRP	Jackson ImmunoResearch	711-035-152
anti-mouse-HRP	Jackson ImmunoResearch	715-035-151



ALDH1A1 prom-9	ACTCTCAGAACGACTCAAGCAG	TTGCCATTGGAGCAGATGTG
ALDH1A1 prom-10	AGCTTG TTCAGTCACTGCAC	ACGCAAAGCTGATTGTGCTG

**Supplementary Table 3. siRNA and shRNA sequences.**

<b>Gene</b>	<b>Name</b>	<b>Sequence</b>	<b>Dharmacon catalog #</b>
Control	siCtl	UGGUUUACAUGUCGACUAA	D-001810-01
SOX9	siSOX9	GAACGCACATCAAGACGGA	D-059108-01
SOX9	sh-1	TATACAGAAATTGAAGGATGC	RHS3979-201751501
SOX9	sh-2	TTCATGTAGGTGAAGGTGGAG	RHS3979-201751503