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Supplemental Information

Knockdown of GAS5 Inhibits Atherosclerosis

Progression via Reducing EZH2-Mediated

ABCA1 Transcription in *ApoE*^{-/-} Mice

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Supplementary Table 1 Blood lipid levels of mice in each group (mmol/L)

Blood lipid	C57BL/6J mice	ApoE ^{-/-} mice	<i>p</i>
TC	3.21 ± 0.41	20.54 ± 2.12	< 0.001
TG	1.09 ± 0.19	2.04 ± 0.27	< 0.001
HDL	2.23 ± 0.39	2.01 ± 0.21	0.0134
LDL	0.94 ± 0.11	10.17 ± 1.13	< 0.001

Note: TC, total cholesterol; TG, triglycerides; HDL, high density lipoprotein; LDL, low density lipoprotein; data analysis between two groups was performed using *t*-test.

Supplementary Table 2 Primer sequences for RT-qPCR

Genes	Sequences
GAS5	F: 5'-ACACAGGCATTAGACAGAA-3' R: 5'-CCAGGAGCAGAACCATTA-3'
GAPDH	F: 5'-GTCTCCTCTGACTTCAACAGCG-3' R: 5'-ACCACCCTGTTGCTGTAGCCAA-3'
ABCA1	F: 5'-GGTTTGGAGATGGTTATACAATAGTTGT-3' R: 5'-CCCGGAAACGCAAGTCC-3'

Note: RT-qPCR, reverse transcription quantitative polymerase chain reaction; GAS5, growth arrest-specific transcript 5; ABCA1, ATP-binding cassette transporter A1; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; F, forward; R, reverse.