

Supplemental Material

Table I

	<i>Ldlr</i> ^{-/-} mice wild-type BM	<i>Abcg1</i> ^{-/-} <i>Ldlr</i> ^{-/-} mice wild-type BM
plasma cholesterol levels 12 weeks WTD, study 1	1304 ± 63 mg/dl	1101 ± 41 mg/dl
plasma cholesterol levels 12 weeks WTD, study 2	1567 ± 91 mg/dl	1607 ± 94 mg/dl
plasma cholesterol levels 23 weeks WTD, study 2	1396 ± 135 mg/dl	1284 ± 109 mg/dl

Supplemental Table I. Plasma cholesterol levels in *Ldlr*^{-/-} and *Abcg1*^{-/-}*Ldlr*^{-/-} mice transplanted with wild-type BM fed WTD for different periods of time in atherosclerosis study 1 (12 weeks study) and 2 (23 weeks study).

Figure I

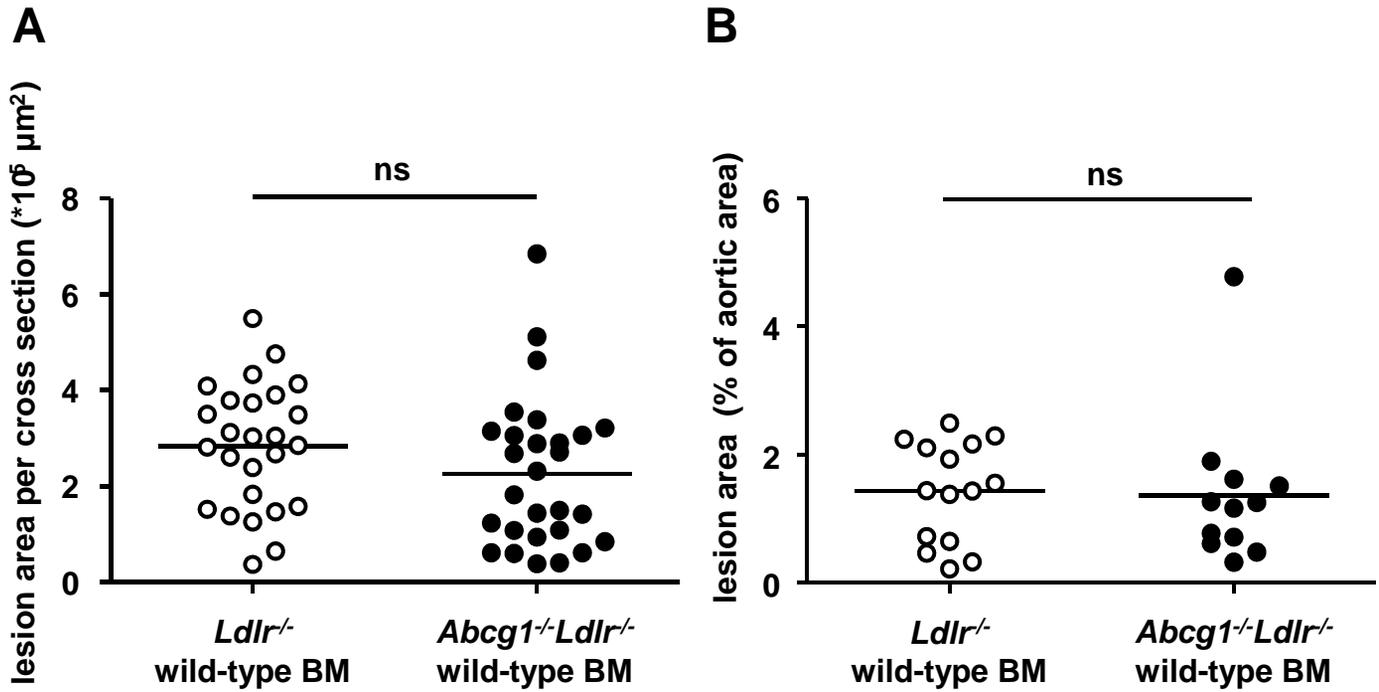


Figure I. Atherosclerosis in *Ldlr*^{-/-} (n=26) and *Abcg1*^{-/-}*Ldlr*^{-/-} (n=28) mice transplanted with wild-type BM after 12 weeks of WTD. Haematoxylin-eosin staining was performed on paraffin sections of the aortic root and Oil Red O staining on the aortic arch and descending aorta. Atherosclerotic lesion area in **(A)** the aortic root, and **(B)** the aortic arch and descending aorta. Each datapoint represents an individual mouse. ns, not significant.

Figure II

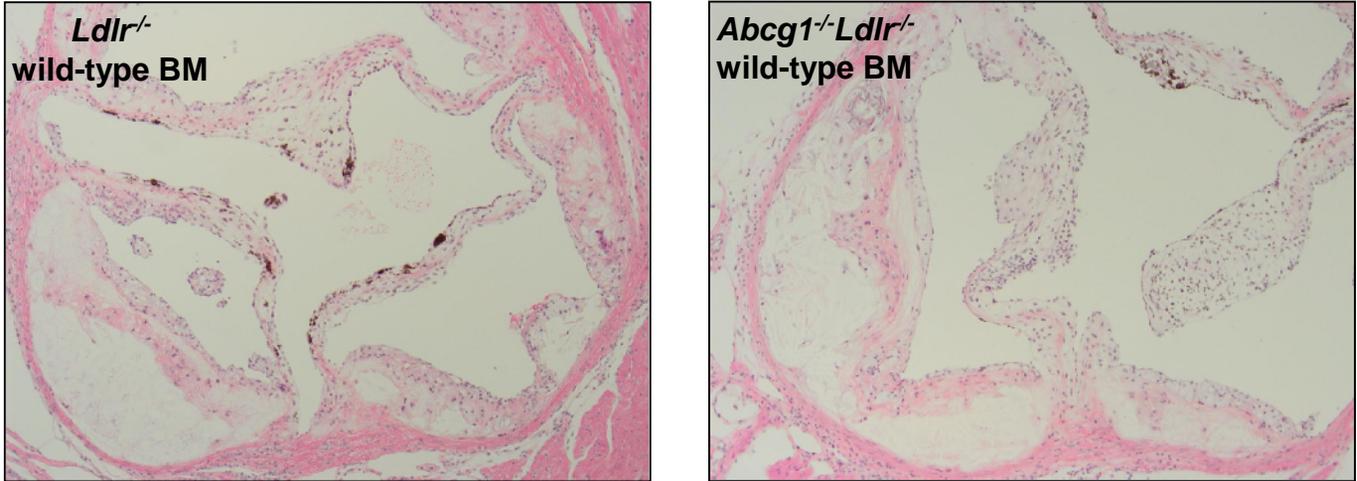


Figure II. Atherosclerosis in *Ldlr*^{-/-} and *Abcg1*^{-/-}*Ldlr*^{-/-} mice transplanted with wild-type BM after 23 weeks of WTD. Haematoxylin-eosin staining was performed on paraffin sections of the aortic root. Representative sections of the aortic root of *Ldlr*^{-/-} and *Abcg1*^{-/-}*Ldlr*^{-/-} mice are shown.

Figure III

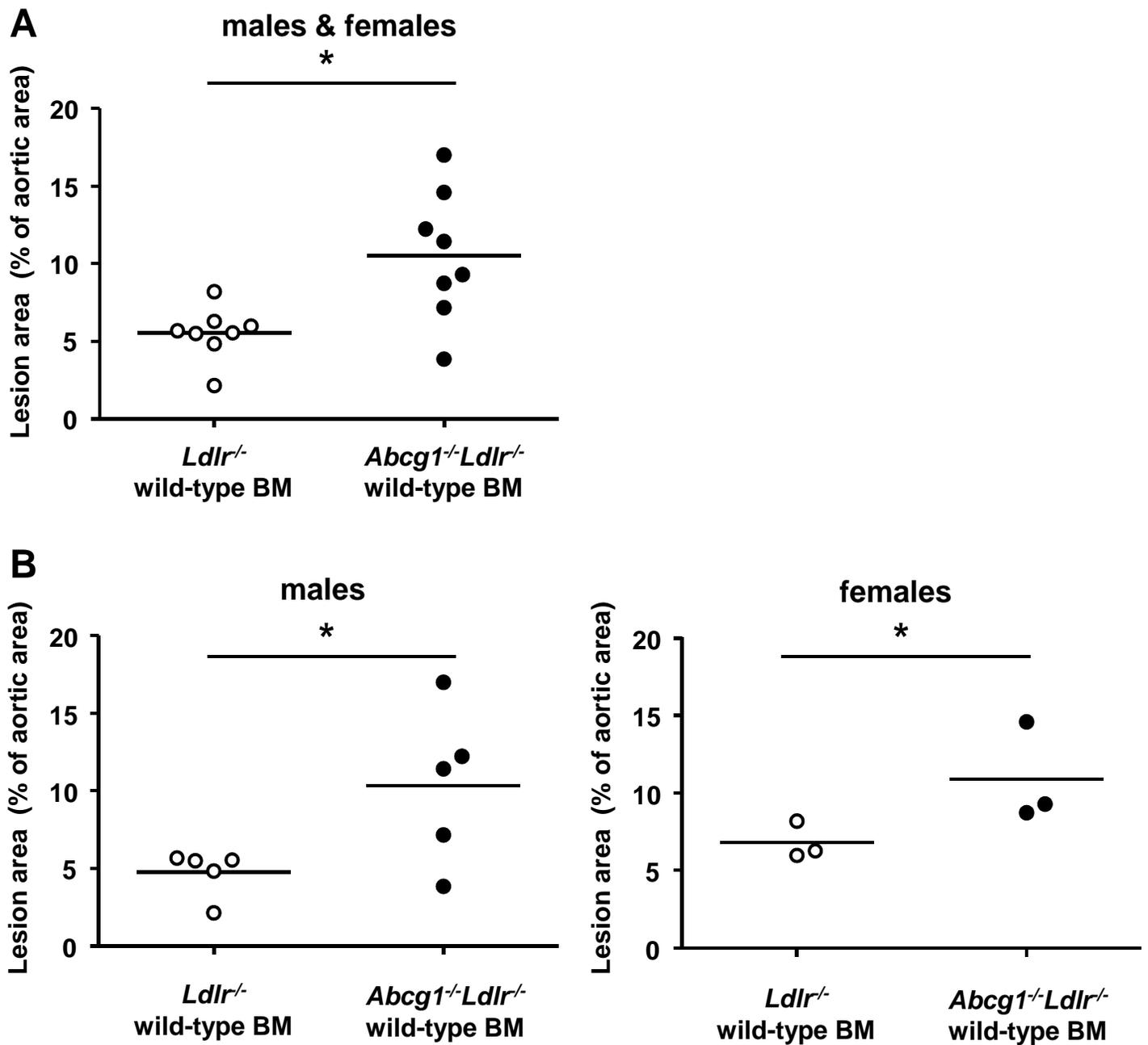


Figure III. Atherosclerosis in *Ldlr*^{-/-} and *Abcg1*^{-/-}*Ldlr*^{-/-} mice transplanted with wild-type BM after 23 weeks of WTD. Oil Red O staining was performed on the aortic arch and descending aorta. **A-C.** Atherosclerotic lesion area in the aortic arch and descending aorta of males (n=5 per genotype) and females (n=3 per genotype) (**A**) combined, (**B**) males only or (**C**) females only. Each datapoint represents an individual mouse. **P*<0.05.

Figure IV

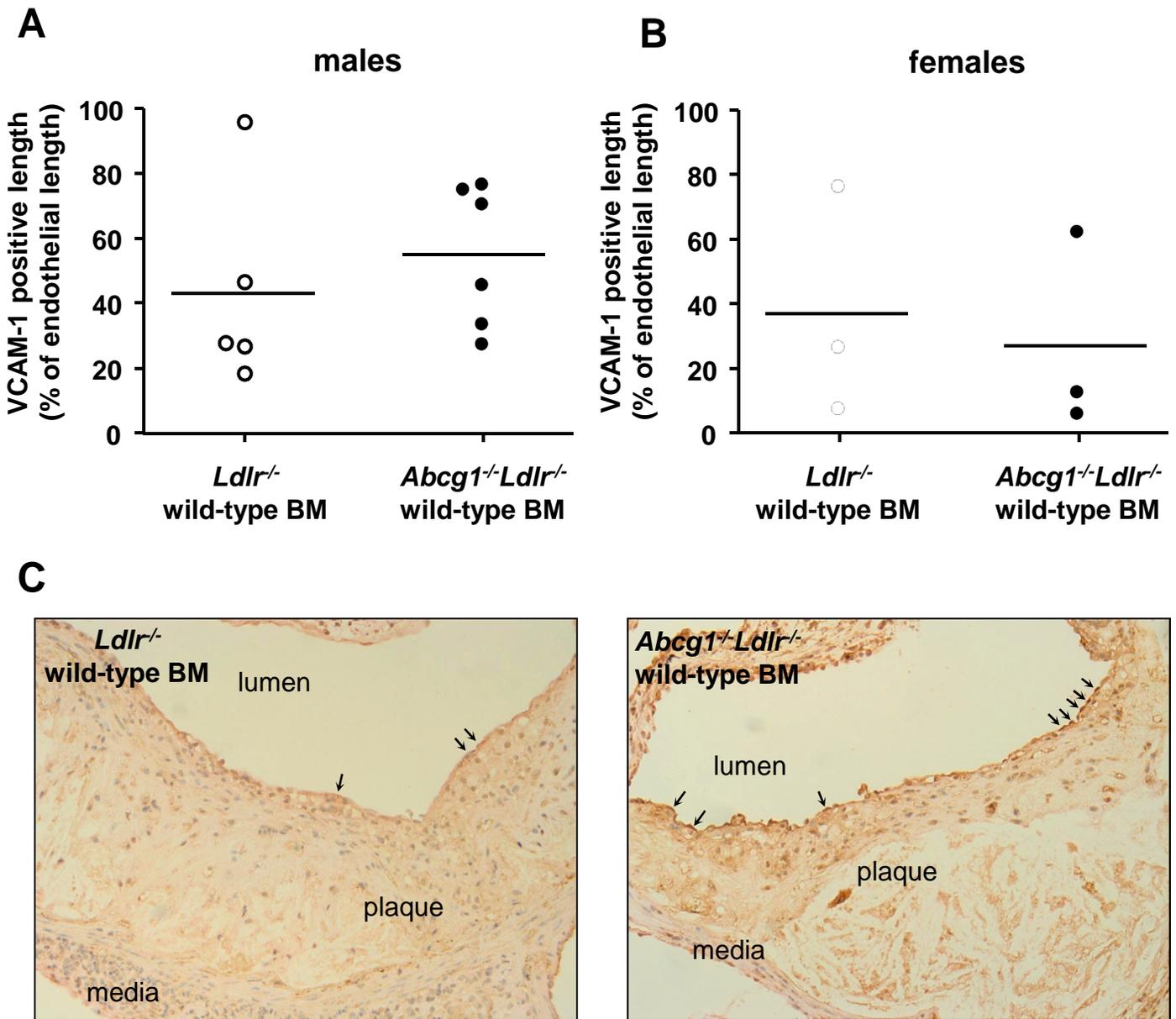


Figure IV. VCAM-1 positive areas in the endothelial cell monolayer of the aortic root of *Ldlr*^{-/-} and *Abcg1*^{-/-}*Ldlr*^{-/-} mice transplanted with wild-type BM after 23 weeks of WTD. VCAM-1 positive % of endothelial length in (A) *Ldlr*^{-/-} (n=5) and *Abcg1*^{-/-}*Ldlr*^{-/-} (n=6) male recipients, and (B) *Ldlr*^{-/-} (n=3) and *Abcg1*^{-/-}*Ldlr*^{-/-} (n=3) female recipients. C. Representative sections of VCAM-1 positive areas in the endothelium of the aortic root. The arrows indicate the VCAM-1 positive areas.