

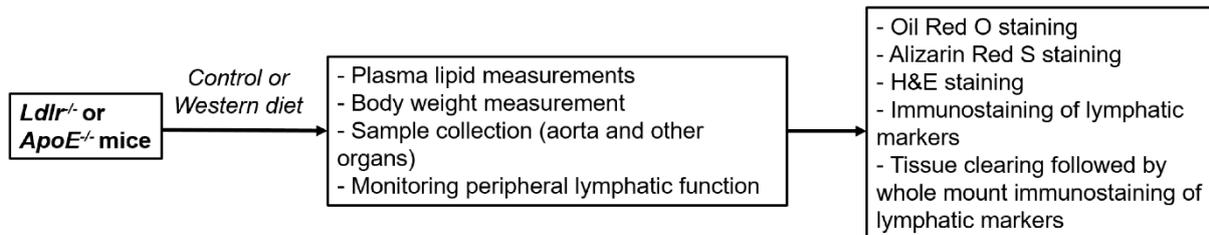
Characterization of Atherosclerotic Mice Reveals a Sex-Dependent Susceptibility to Plaque Calcification but No Major Changes in the Lymphatics in the Arterial Wall

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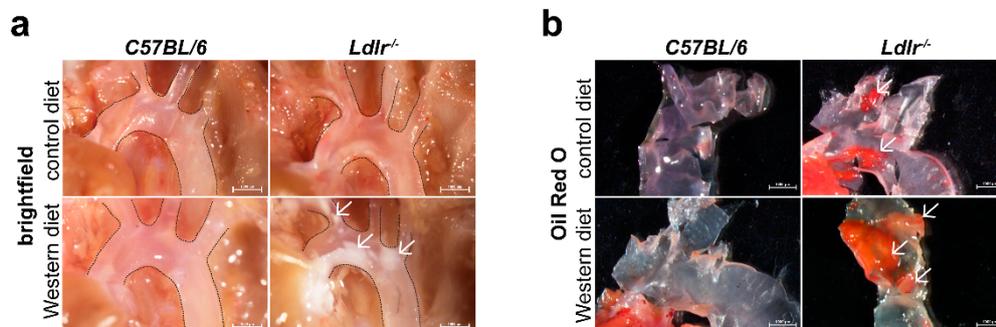
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Supplementary Material



Supplementary Figure S1. Experimental setup. *Ldlr*^{-/-} and *ApoE*^{-/-} mice were fed a control or Western diet for 20-30 weeks after which plasma lipids, body weight and peripheral lymphatic function were measured. Aorta of both *Ldlr*^{-/-} and *ApoE*^{-/-} mice on control and Western diet were collected, followed by Oil Red O staining, Alizarin Red S staining, H&E staining, immunostaining of lymphatic markers, tissue clearing and whole mount immunostaining of lymphatic markers.



Supplementary Figure S2. Comparison of plaque development in *C57BL/6* wild-type and *Ldlr*^{-/-} mice. **a)** Brightfield images of the aortic arch of female *C57BL/6* wild-type and *Ldlr*^{-/-} mice in situ after 20 weeks on control or Western diet. Images were acquired by stereo microscopy, scale bar = 1000 μ m; n = 3 aortas of 3 mice per group. Arrows indicate plaque formation in the aortic arch. **b)** Oil Red O staining of whole aortas of female *C57BL/6* and *Ldlr*^{-/-} mice after 20 weeks on control or western diet. Arrows indicate lipid deposition in the aortic arch. Images were acquired by stereo microscopy, scale bar = 1000 μ m; n = 3 aortas of 3 mice per group.