

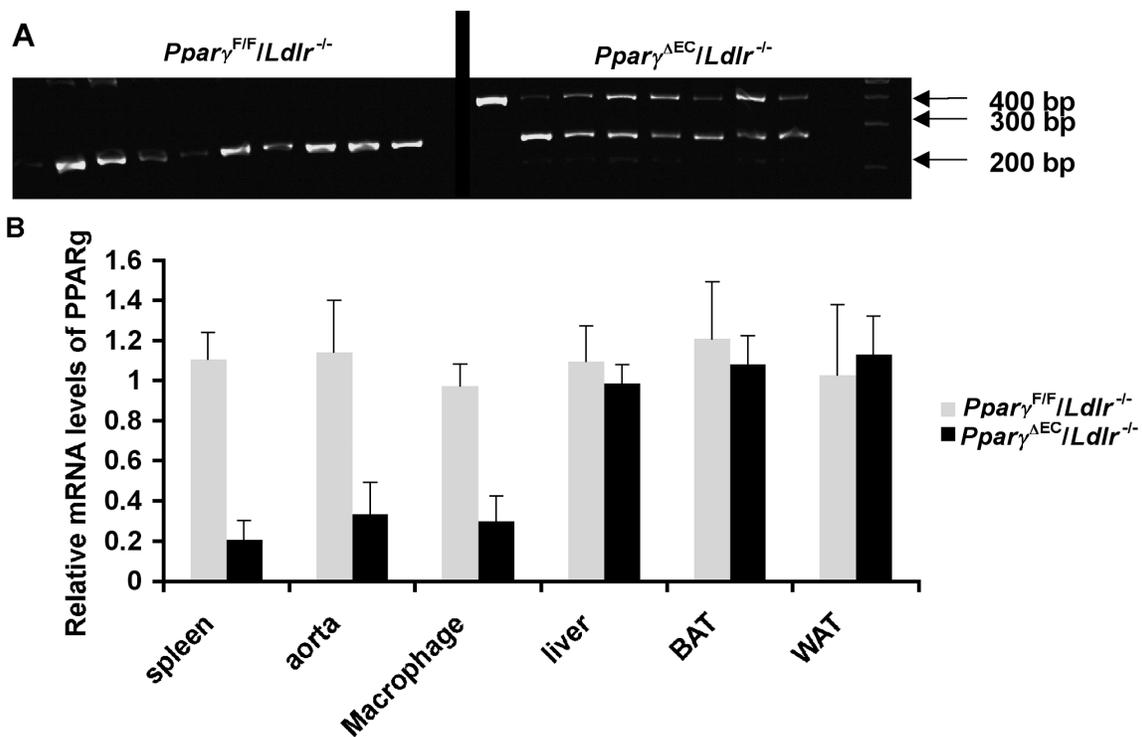
Supplement Material

Disruption of Endothelial Peroxisome Proliferator-activated Receptor γ Accelerates Diet-induced Atherogenesis in Low-density Lipoprotein Receptor-null Mice

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Supplemental Table 1 Primer List

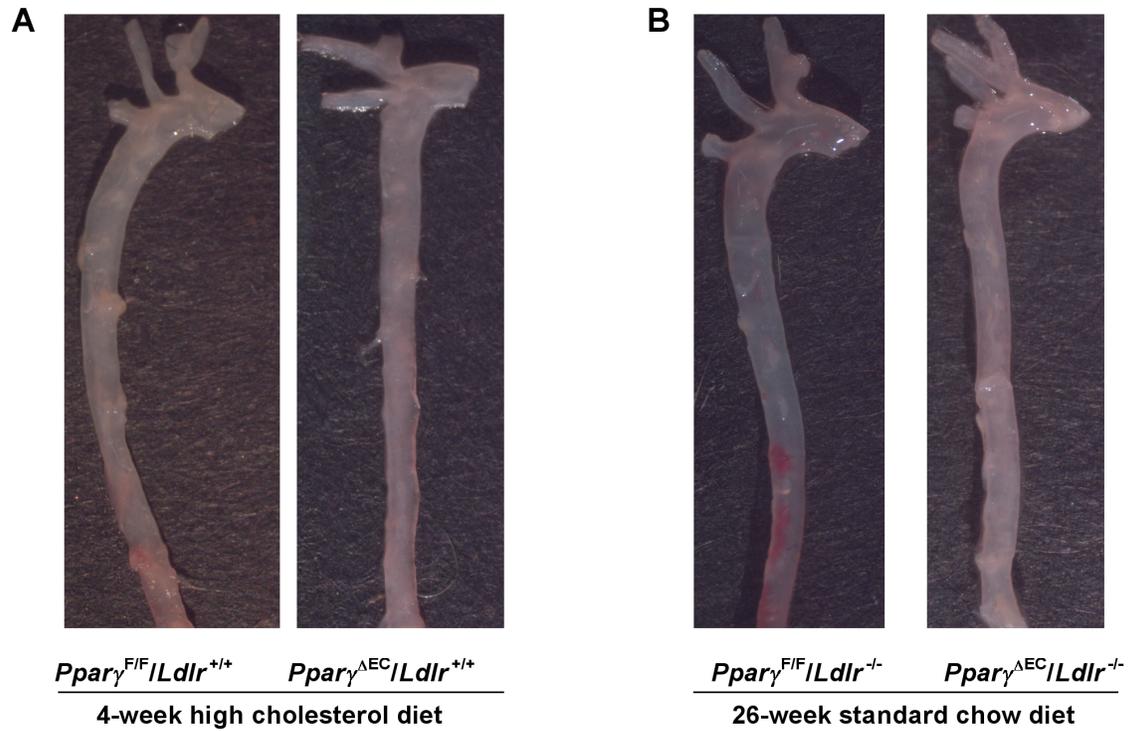
qPCR	Sequences
β -actin FWD	5'-TATTGGCAACGAGCGGTTCC-3'
β -actin REV	5'-GGCATAGAGGTCTTTACGGATGTC-3'
PPARG FWD	5'-TCTGGGAGATTCTCCTGTTGA-3'
PPARG REV	5'-GGTGGGCCAGAATGGCATCT-3'
MCP-1 FWD	5'-CCTGCTGTTACAGTTGCC-3'
MCP-1 REV	5'-ATTGGGATCATCTTGCTGGT-3'
CD68 FWD	5'-ATCCCCACCTGTCTCTCTCA-3'
CD68 REV	5'-ACCGCCATGTAGTCCAGGTA-3'
F4/80 FWD	5'-GGATGTACAGATGGGGGATG-3'
F4/80 REV	5'-CATAAGCTGGGCAAGTGGTA-3'
VCAM-1 FWD	5'-TCGGGCGAAAAATAGTCCTT-3'
VCMA-1 REV	5'-CCGGCATATACGAGTGTGAA-3'
IL-1 β FWD	5'-GGTCAAAGGTTTGGGAAGCAG-3'
IL-1 β REV	5'-TGTGAAATGCCACCTTTTGA-3'
TNF- α FWD	5'-AGGGTCTGGGCCATAGAACT-3'
TNF- α REV	5'-CCACCACGCTCTTCTGTCTAC-3'
AGTR1-FWD	5'-AAGGGCCATTTTGCTTTTCT-3'
AGTR1-REV	5'-AACTCACAGCAACCCTCCAA-3'
eNOS-FWD	5'-CCTAGGGGAGCTGTTGTACG-3'
eNOS-REV	5'-GACCAGCACATTTGGCAAT-3'



Supplemental figure I. Disruption of PPAR γ gene via Cre-loxP-mediated recombination.

A. PCR diagnostic for Tie2-Cre-mediated recombination of PPAR γ allele in genomic DNA isolated from tissues of *Pparγ^{F/F}/Ldlr^{-/-}* or *Pparγ^{EC}/Ldlr^{-/-}* mice.

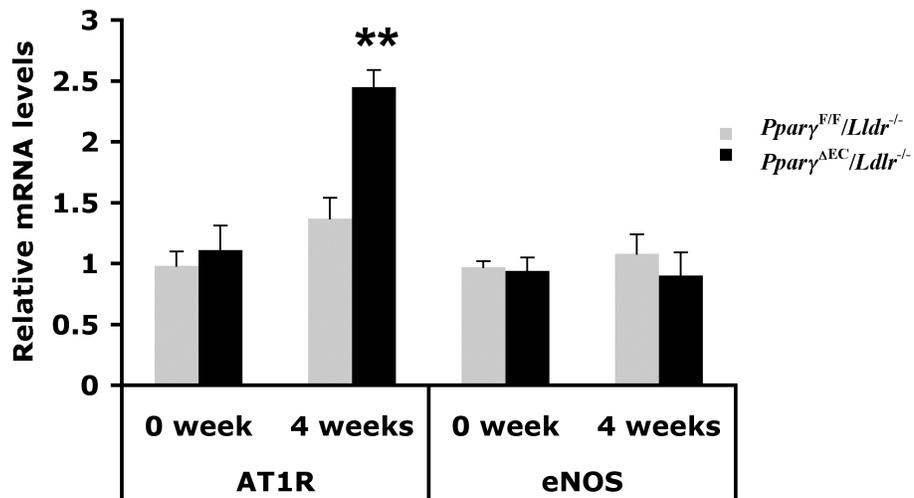
B. qPCR analysis of PPAR γ mRNA expression in the tissues from *Pparγ^{F/F}/Ldlr^{-/-}* or *Pparγ^{EC}/Ldlr^{-/-}* mice. For qPCR analysis the expression was normalized to β -actin and each bar represents the mean value \pm S.D. **P<0.01 compared to wild-type floxed littermates.



Supplemental figure II. No atherosclerotic lesions in *PPARγ^{EC}/Ldlr^{+/+}* on high-cholesterol diet or *Pparγ^{EC}/Ldlr^{-/-}* mice on standard chow diet.

A. Aortas from *Pparγ^{F/F}/Ldlr^{+/+}* or *Pparγ^{EC}/Ldlr^{+/+}* mice fed with high cholesterol diet for 4 weeks. Of note, no lesions were observed in the aortic arch.

B. Aortas from *Pparγ^{F/F}/Ldlr^{-/-}* or *Pparγ^{EC}/Ldlr^{-/-}* mice on standard chow diet for 26 weeks. No lesions were observed in the aortic arch.



Supplemental figure III. AT₁R and eNOS mRNA levels in *Pparγ^{F/F}/Ldlr^{-/-}* or *Pparγ^{ΔEC}/Ldlr^{-/-}* mice.

Messenger RNA was isolated from *Pparγ^{F/F}/Ldlr^{-/-}* or *Pparγ^{ΔEC}/Ldlr^{-/-}* mice fed with standard chow diet or high cholesterol diet for 4 weeks, **p<0.01, n=5. AT1R and eNOS mRNAs were measured by qPCR.