Supplementary Figures and Tables

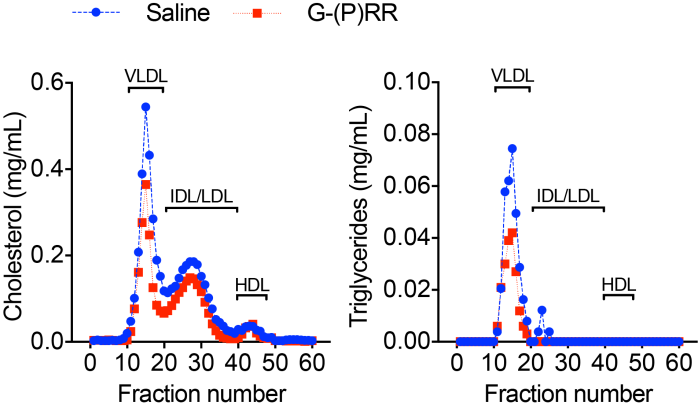
**Supplementary Table I. Primers used.**

|  |  |  |
| --- | --- | --- |
| Target | Forward | Reverse |
| *(P)RR* | 5'-GGGTGGATAAACTGGCACTTC-3' | 5'-TGGAATTTGCAACGCTGTC-3' |
| *36b4* | 5'-ACTGGTCTAGGACCCGAGAAG-3' | 5'-CTCCCACCTTGTCTCCAGTC-3' |
| *Il1b* | 5'-AACTGTTCCTGAACTCAACTGT-3' | 5'-GAGATTTGAAGCTGGATGCTCT-3‘ |
| *Tnfa* | 5'-AAGCCTGTAGCCCACGTCGTA-3' | 5'-GGCACCACTAGTTGGTTGTCTTTG-3' |
| *Il6* | 5'-TAGTCCTTCCTACCCCAATTTCC-3' | 5'-TTGGTCCTTAGCCACTCCTTC-3' |
| *Il10* | 5'-GCTGCGGACTGCCTTCA-3' | 5'-TGCATTAAGGAGTCGGTTAGCA-3' |
| Lf | 5'-AGCACTCTCTTCCAGGTATGTTGTG-3' |  |
| Lr | 5'-CTGGATCCCGGAGCATGGGTAAAGG-3' |  |
| Er | 5'-GCCCCTCTCTTACAGTTCTATCAGT-3' |  |
| Cre | 5'-GCTGCCACGACCAAGTG-3' | 5'-TCGCCATCTTCCAGCAG-3' |

Chart, diagram, scatter chart

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**Supplementary Figure I**. Systolic blood pressure (**A**) and plasma renin activity (**B**) of saline (blue) or (P)RR G-ASOs (red) treated LDLR-/- mice fed with WTD for 16 weeks.



**Supplementary Figure II**. Pooled plasma samples from Saline (blue) or (P)RR G-ASOs (red) treated HFD-fed ApoE-/- mice were resolved by FPLC for lipoprotein fractionation analysis, and cholesterol and triglycerides content in each fraction were determined.

A picture containing chart

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**Supplementary Figure III. GO enrichment analysis of biological processes.** DEGs (saline treated WTD-fed LDLR-/- mice for 4 weeks vs 0-week control) were used.

Chart

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**Supplementary Figure IV. GO enrichment analysis of biological processes.** DEGs [(P)RR G-ASOs administered WTD-fed LDLR-/- mice for 4 weeks vs 0-week control] were used.

A picture containing table

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**Supplementary Figure V. GO enrichment analysis of biological processes.** Non-overlappedDEGs {[(P)RR G-ASOs 4 weeks vs 0 week] vs (saline 4 weeks vs 0 week)} were used.

Chart, scatter chart

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**Supplementary Figure VI**. (P)RR expression in ex vivo peritoneal macrophages (A) and RAW264.7 cells (B). Blue: saline; Red: (P)RR G-ASOs.

Chart, scatter chart

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**Supplementary Figure VII**. RAW264.7 cells were incubated with saline (blue) or (P)RR G-ASOs (red), and stimulated with or without LPS. Concentrations of the indicated cytokines were determined.

Graphical user interface

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**Supplementary Figure VIII. Deleting (P)RR in macrophages in ApoE-/- mice.** Genotyping of the mice (**A**). Deletion of (P)RR in macrophages was confirmed by PCR and Western blotting **(B&C**).

Chart, box and whisker chart

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**Supplementary Figure IX.** Plasma ApoB concentrations of saline (blue) or (P)RR G-ASOs (red) administered LDLR-/- mice fed a WTD for 16 weeks.