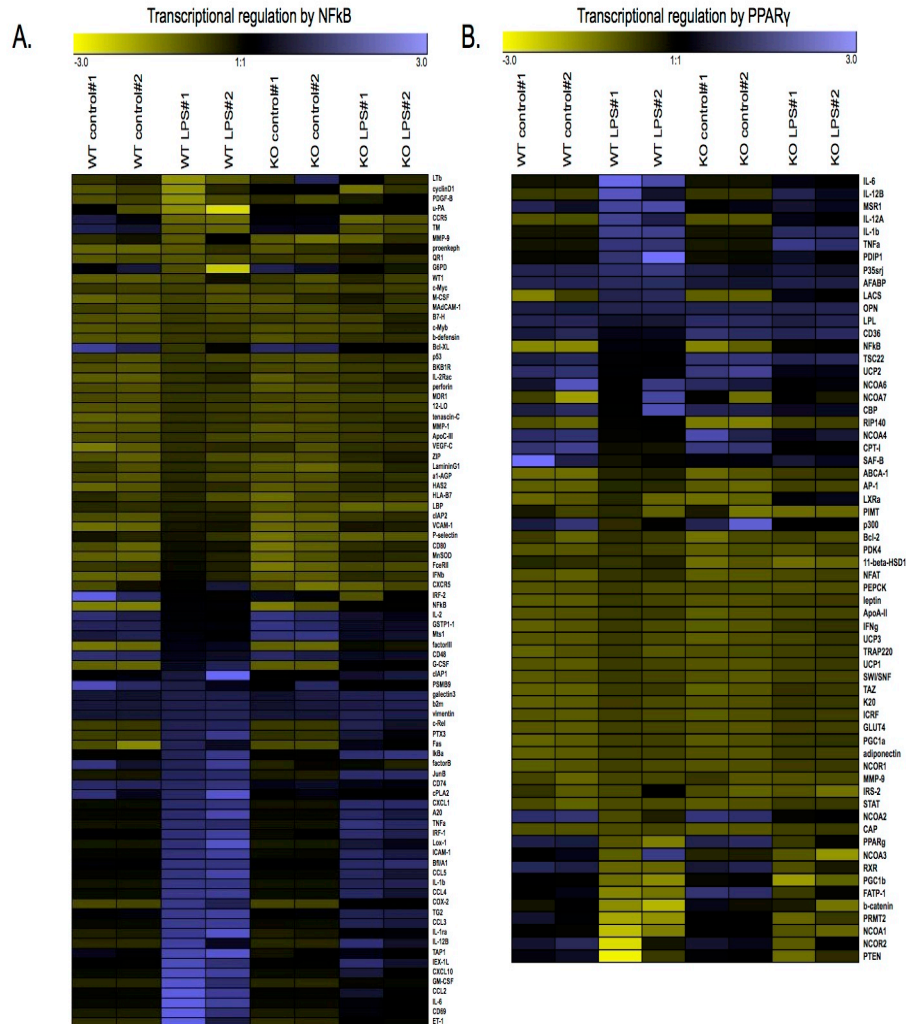


**Supplementary information**

**Involvement of resistin-like molecule  $\beta$  in the development of methionine-choline deficient diet-induced non-alcoholic steatohepatitis in mice**

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Supplementary Figure 1.

Comprehensive analysis of the expression changes of genes regulated by NFkB and PPAR $\gamma$  in macrophages caused by RELM $\beta$ .

PCPMs were obtained from 3-month-old RELM $\beta$ -KO and wild-type mice. After 12-hour serum starvation, LPS at 10 ng/ml was added and incubation was continued for 4 hours. Total RNA was extracted from PCPMs and 5  $\mu$ g of RNA were then subjected to reverse transcription using Transcriptor Reverse Transcriptase (Roche) and hybridization onto Affymetrix MG-430 2.0 microarray chipsets (Affymetrix, CA, USA).

Analysis of the expression changes of genes regulated by NF $\kappa$ B and PPAR $\gamma$ , in response to LPS stimulation, and regulations associated with RELM $\beta$  deficiency using KeyMolnet Lite.

A. Heat-map presentation of differentially expressed genes transcriptionally regulated by NF $\kappa$ B in PCPMs obtained from 3-month old RELM $\beta$ -KO and wild-type mice with or without LPS treatment.

B. Heat-map presentation of differentially expressed genes transcriptionally regulated by PPAR $\gamma$  in PCPMs obtained from 3-month old RELM $\beta$ -KO and wild-type mice with or without LPS treatment.

Blue, downregulated genes; yellow, upregulated genes.