1	Supplementary Materials to:
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3	Chromatin Regulator SRG3 Overexpression Protects against LPS/D-GalN-induced Sepsis by
4	Increasing IL10-producing Macrophages and Decreasing IFN $\gamma$ -producing NK cells in the
5	Liver
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10	This document includes:
11	-Supplementary figures 1-3
12	





## 14 FIGURE S1. Genotyping of the SRG3 Tg and CD1d KO genes.

15 (A) Genotyping of SRG3 Tg gene by PCR analysis. The PCR band size of SRG3 Tg is 800 bp long.

16 M: marker; Lane 1 (+): positive control (SRG<sup> $\beta$ -actin</sup> Tg); Lane 2 (-): negative control (wild-type

17 (WT)); Lane 3 & 4: SRG3<sup> $\beta$ -actin</sup> Tg. (**B**) Genotyping of CD1d KO gene by PCR analysis. The PCR

18 band sizes of CD1d KO allele (Neo<sup>+</sup>) and CD1d WT allele are 280 and 173 bp long, respectively.

19 M: marker; Lane 1 (+): positive control (CD1d KO); Lane 2 (-): negative control (WT); Lane 3:

- 20 CD1d hetero; Lane 4: CD1d KO.
- 21





23 FIGURE S2. Expression pattern of BAF155/SMARCC1 in different cell populations of the

## 24 human liver and lung.

25 The mRNA expression profiles of BAF155/SMARCC1 in diverse cell populations of the liver (A)

- 26 and lung (B) tissues were derived from the human protein atlas (http://www.proteinatlas.org/) and
- 27 were shown in both scatter and bar plots (pTPM stands for Protein-coding transcripts per million).



29 FIGURE S3. SRG3<sup>CD2</sup> mice develop LPS/D-GalN-induced sepsis similarly to WT mice.

30 (A-B) WT and SRG3<sup>CD2</sup> mice were i.p. injected with LPS/D-GalN. The survival rates of these mice

- 31 were monitored every hour, starting from LPS/D-GalN injection for a total of 72 hrs. (n = 10 in WT
- 32 B6; n = 8 in SRG3<sup>CD2</sup> B6 in the experiment).