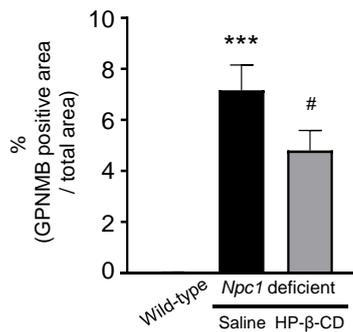


## Supplementary Data

FS1. Quantification of GPNMB positive cells in immunohistological images of *Npc1*<sup>-/-</sup> mouse liver.

GPNMB positive cells were quantified in seven to eleven random fields of each immunostained sample as shown in Supplemental Figure 1S.

### A Quantification of GPNMB positive area



### B

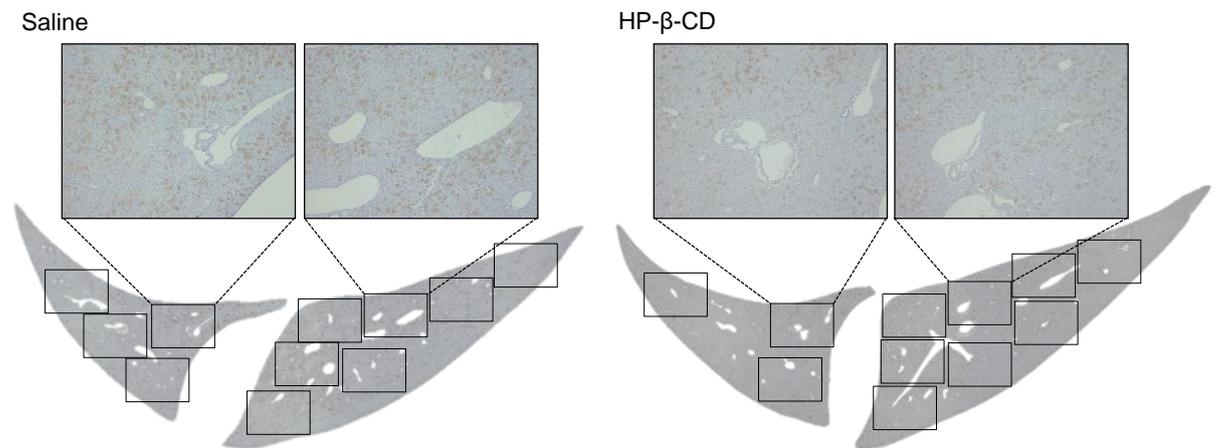


Figure S1. Quantification of glycoprotein nonmetastatic melanoma protein B (GPNMB) expression after intracerebroventricular 2-hydroxypropyl-β-cyclodextrin (HP-β-CD) treatment in *Npc1*<sup>-/-</sup> mouse liver. We took 7-14 random images from each liver sample and quantified the GPNMB expression. The quantification of the GPNMB positive cells was performed using Image J software. Each bar represents the mean ± S.E.M. ( $n = 8-11$ ). \*\*\*  $p < 0.001$  compared with the wild-type group. #  $p < 0.05$  compared with the saline group.