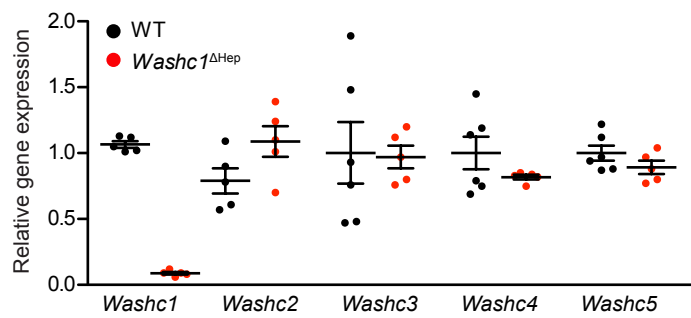


Supplemental Figure 1

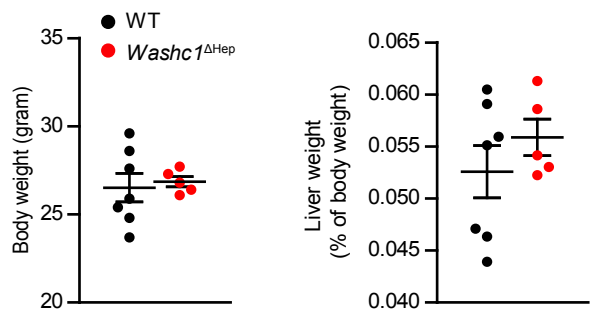
A.



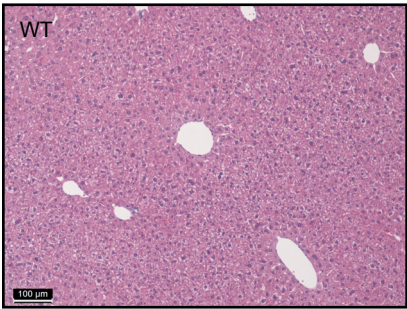
B.

	Genotype		Total	Chi-squared	p-value
	WT	<i>Washc1</i> ^{ΔHep}			
Born	352	357	709	0.0353	0.851
Expected	354,5	354,5	709		

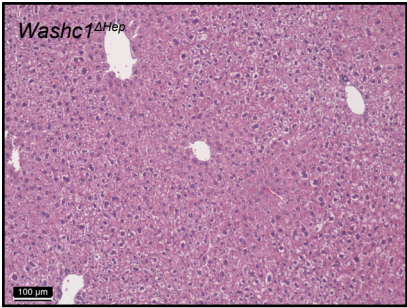
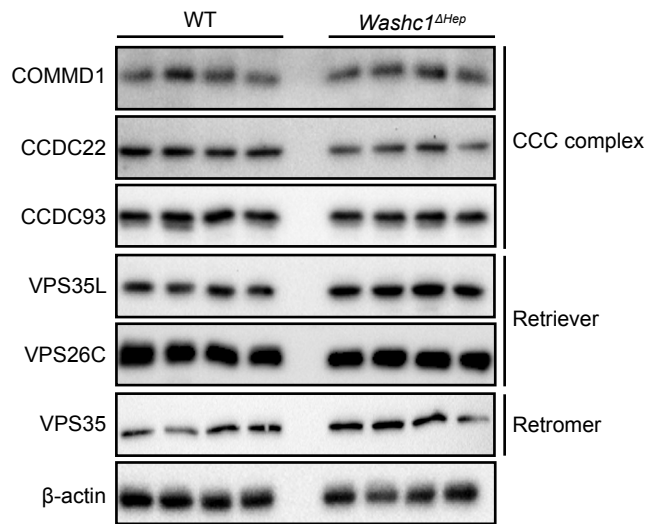
C.



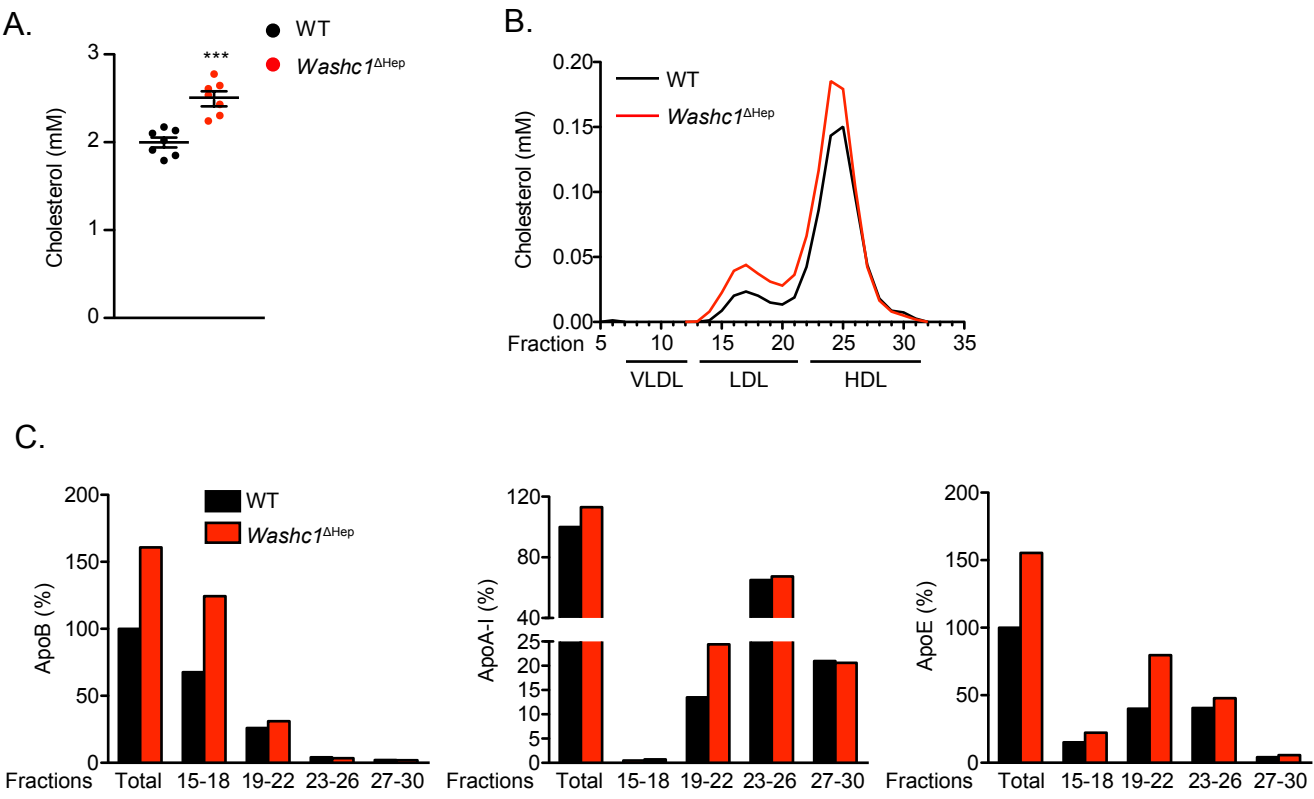
D.



E.

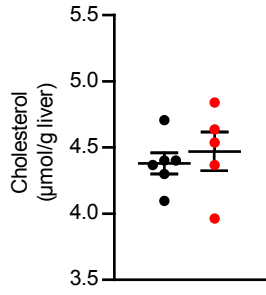


Supplemental Figure 2

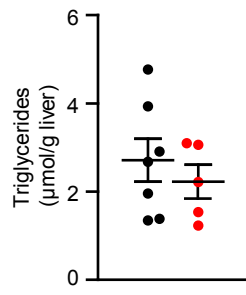


Supplemental Figure 3

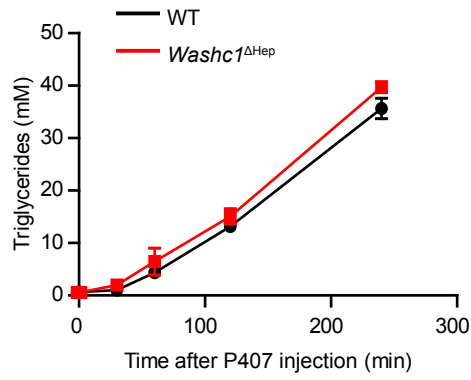
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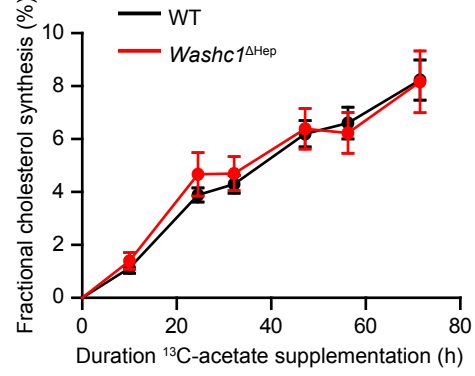
B.



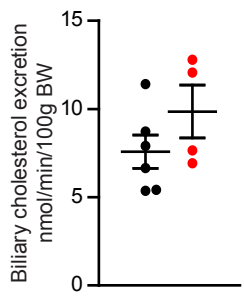
C.



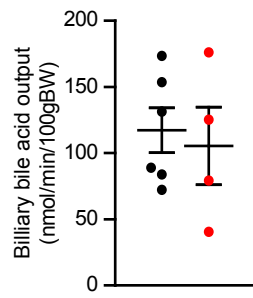
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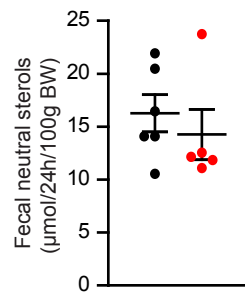
E.



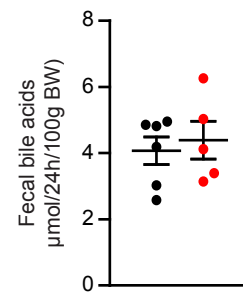
F.



G.



H.



Supplemental Figure 4

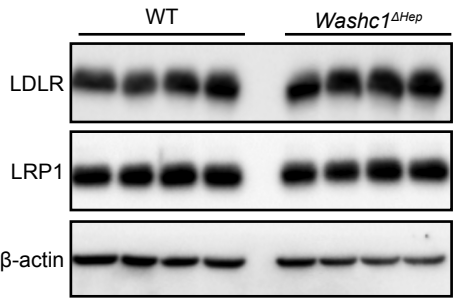


Table S1. Gene expression in the livers of WT and hepatic WASHC1 deficient mice (n=6-7).

	<i>Washc1</i> WT	<i>Washc1</i> ^{ΔHep}
LXR targets		
<i>Abcg5</i>	1 ± 0.54	0.19 ± 0.06**
<i>Abcg8</i>	1 ± 0.22	0.47 ± 0.16***
<i>Abca1</i>	1 ± 0.38	0.57 ± 0.32 (p=0.057)
<i>Cyp7A1</i>	1 ± 0.75	0.50 ± 0.42 (p=0.163)
<i>Scd1</i>	1 ± 0.35	0.28 ± 0.13***
<i>Fasn</i>	1 ± 0.62	0.42 ± 0.08*
<i>Lxra</i>	1 ± 0.10	0.64 ± 0.19**
SREBP2 targets		
<i>Ldlr</i>	1 ± 0.46	0.51 ± 0.31 (p=0.063)
<i>Hmgcr</i>	1 ± 0.42	0.99 ± 0.58 (p=0.98)

Values represent the amount of mRNA relative to WT mice. Data are presented as the mean ± SD, *p < 0.05, **p < 0.01, ***p < 0.001 as determined by Student's T-test.

Table S2. List of antibodies

Antibody	Distributor	Catalog nr.	Dilution
rabbit anti-LRP1	Abcam	ab92544	1:1000
goat anti-VPS35	Abcam	ab10099	1:1000
rabbit anti-ApoE	Abcam	ab183597	1:1000
rabbit anti-LDLR	Abnova GmbH	PAB8804	1:1000
HRP-conjugated goat anti-rabbit IgG (H+L)	Bio-Rad	170-6515	1:10000
HRP-conjugated goat anti-mouse IgG (H+L)	Bio-Rad	170-6516	1:10000
rabbit anti-VPS26C	Millipore	ABN87	1:1000
goat anti-SR-BI	Novus biologicals	NB400-131	1:1000
rabbit anti-COMMD1	Proteintech Group	11938-1-AP	1:1000
rabbit anti-CCDC22	Proteintech Group	16636-1-AP	1:1000
rabbit anti-CCDC93	Proteintech Group	20861-1-AP	1:5000
rabbit anti-SWIP	Proteintech Group	51101-1-AP	1:1000
mouse anti-COMMD1	R&D Systems	MAB7526	1:100
HRP-conjugated donkey anti-goat IgG (H+L)	Santa Cruz	sc2020	1:10000
mouse anti-β-actin	Sigma-Aldrich	A5441	1:5000
rabbit anti-VPS35L	Thermo Fischer	PA5-28553	1:1000