

**Table S2. Biological parameters of *Commd1*<sup>loxP/loxP</sup> and *Commd1*<sup>Δhep</sup> mice fed a high Cu diet, starting at an age of 6 weeks**

High Cu diet (wks)	3		6		28		40		52	
	<i>Commd1</i> <sup>loxP/loxP</sup>	<i>Commd1</i> <sup>Δhep</sup>	<i>Commd1</i> <sup>loxP/loxP</sup>	<i>Commd1</i> <sup>Δhep</sup>	<i>Commd1</i> <sup>loxP/loxP</sup>	<i>Commd1</i> <sup>Δhep</sup>	<i>Commd1</i> <sup>loxP/loxP</sup>	<i>Commd1</i> <sup>Δhep</sup>	<i>Commd1</i> <sup>loxP/loxP</sup>	<i>Commd1</i> <sup>Δhep</sup>
<b>Total body weight (g)</b>	25.6 ± 1.7	21.3 ± 2.8	22.9 ± 2.8	22.8 ± 4.5	27.4 ± 4.9	31.0 ± 8.1	30.9 ± 8.0	30.3 ± 8.6	29.4 ± 7.4	38.6 ± 5.3
<b>Liver weight (mg)</b>	1.14 ± 0.2	1.01 ± 0.16	1.06 ± 0.24	1.09 ± 0.38	1.12 ± 0.23	1.39 ± 0.43	1.31 ± 0.49	1.36 ± 0.6	1.21 ± 0.31	1.76 ± 0.2
<b>Hepatic Cu conc (μg/g)</b>	25.8 ± 10.7	195.8 ± 58.9	28.5 ± 6.5	338.3 ± 82.4***	9.2 ± 3.0	265.2 ± 69.9****	12.9 ± 3.9	291.9 ± 157.2*	16.4 ± 3.8	164.2 ± 75.9***
<b>Ceruloplasmin (U/ml)</b>	2.13 ± 0.3	2.2 ± 1.1	3.6 ± 2.3	3.5 ± 0.9	1.7 ± 0.8	2.8 ± 0.7*	3.7 ± 1.4	5.2 ± 1.4*	4.8 ± 2.4	8.2 ± 1.6**
<b>GOT (U/L)</b>	79.5 ± 10.3	100.5 ± 23.9	91.6 ± 17.2	72.3 ± 14.2	78.3 ± 12.8	95.1 ± 20.0	85.6 ± 19.7	89.6 ± 16.1	69.7 ± 11.0	58.5 ± 3.7
<b>GPT (U/L)</b>	37.1 ± 13.3	47.8 ± 20.1	39.2 ± 11.7	38.2 ± 19.5	28.5 ± 9.2	29.7 ± 17.4	52.6 ± 11.4	43.9 ± 12.1	36.8 ± 6.8	24.2 ± 11.8

\*, \*\*, \*\*\*, and \*\*\*\* indicate significantly different values compared to *Commd1*<sup>loxP/loxP</sup> mice (\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.005, \*\*\*\* p < 0.0005). n = 5 - 8