

1 **Table S1. Peripheral blood analysis of Sf::*Keap1*-TKO mice**

	Control	Sf::Control	Sf:: <i>Keap1</i> -TKO	<i>P</i> *	<i>P</i> **
WBC ($10^2/\mu\text{L}$)	49 ± 8	57 ± 25	49 ± 19	NS	NS
RBC ($10^4/\mu\text{L}$)	578 ± 47	444 ± 48	457 ± 86	< 0.0003	NS
Hb (g/dL)	8.7 ± 1.4	7.1 ± 0.7	7.5 ± 1.6	< 0.02	NS
Hct (%)	28.1 ± 4.1	22.9 ± 2.5	23.1 ± 4.7	< 0.02	NS
MCV (fL)	48.5 ± 3.8	51.6 ± 1.2	50.4 ± 1.6	NS	NS
MCH (pg)	15.0 ± 1.5	16.0 ± 0.6	16.4 ± 1.1	NS	NS
MCHC (g/dL)	31.0 ± 1.2	31.1 ± 1.2	32.4 ± 1.4	NS	NS
PLT ($10^4/\mu\text{L}$)	94 ± 12	65 ± 19	84 ± 23	< 0.007	NS

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3 *P**, Control vs. Sf::Control; *P***, Sf::Control vs. Sf::*Keap1*-TKO

4 Values are presented as the means ± SD of Control (n = 6), Sf::Control (n = 8), and

5 Sf::*Keap1*-TKO (n = 6) mice. WBC, white blood cell; RBC, red blood cell; Hb, hemoglobin;

6 Hct, hematocrit; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin;

7 MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; NS, not significant.

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9 **Table S2. Peripheral blood analysis of Sf::*Keap1*-MKO mice**

	Control	Sf::Control	Sf:: <i>Keap1</i> -MKO	<i>P</i> *	<i>P</i> **
WBC ($10^2/\mu\text{L}$)	56 ± 13	47 ± 24	64 ± 50	NS	NS
RBC ($10^4/\mu\text{L}$)	555 ± 37	508 ± 125	452 ± 53	NS	NS
Hb (g/dL)	7.5 ± 0.7	7.4 ± 1.9	6.5 ± 0.9	NS	NS
Hct (%)	26.9 ± 2.1	26.7 ± 6.2	23.6 ± 3.2	NS	NS
MCV (fL)	48.5 ± 1.3	51.6 ± 1.9	52.1 ± 2.2	< 0.04	NS
MCH (pg)	13.6 ± 0.7	14.7 ± 0.8	14.3 ± 0.9	NS	NS
MCHC (g/dL)	28.0 ± 0.8	27.7 ± 0.9	27.4 ± 0.6	NS	NS
PLT ($10^4/\mu\text{L}$)	96 ± 35	74 ± 37	66 ± 36	NS	NS

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11 *P**, Control vs. Sf::Control; *P***, Sf::Control vs. Sf::*Keap1*-MKO

12 Values are presented as the means ± SD of Control (n = 4), Sf::Control (n = 5), and

13 Sf::*Keap1*-MKO (n = 3) mice. WBC, white blood cell; RBC, red blood cell; Hb, hemoglobin;

14 Hct, hematocrit; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin;

15 MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; NS, not significant.

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17 **Table S3. Peripheral blood analysis of Sf::Keap1-DKO mice**

	Control	Sf::Control	Sf::Keap1-DKO	<i>P</i> *	<i>P</i> **
WBC (10 ² /μL)	51 ± 31	43 ± 25	31 ± 13	NS	NS
RBC (10 ⁴ /μL)	520 ± 55	452 ± 74	430 ± 75	NS	NS
Hb (g/dL)	7.4 ± 1.1	6.2 ± 1.5	6.8 ± 1.4	NS	NS
Hct (%)	25.2 ± 2.9	22.0 ± 4.1	22.0 ± 4.6	NS	NS
MCV (fL)	48.5 ± 3.8	48.6 ± 1.8	51.0 ± 2.4	NS	NS
MCH (pg)	14.3 ± 1.4	13.6 ± 1.4	15.8 ± 0.5	NS	< 0.03
MCHC (g/dL)	29.3 ± 0.8	27.9 ± 1.9	31.0 ± 0.7	NS	< 0.03
PLT (10 ⁴ /μL)	87 ± 19	82 ± 17	81 ± 20	NS	NS

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19 *P**, Control vs. Sf::Control; *P***, Sf::Control vs. Sf::Keap1-DKO

20 Values are presented as the means ± SD of Control (n = 4), Sf::Control (n = 4), and

21 Sf::Keap1-DKO (n = 4) mice. WBC, white blood cell; RBC, red blood cell; Hb, hemoglobin;

22 Hct, hematocrit; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin;

23 MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; NS, not significant.

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25 **Table S4. Peripheral blood analysis of Sf mice**

	WT-Veh	WT-CDDO-Im	Sf-Veh	Sf-CDDO-Im	<i>P</i> *	<i>P</i> **
WBC ($10^2/\mu\text{L}$)	37 ± 7	29 ± 5	30 ± 16	31 ± 16	NS	NS
RBC ($10^4/\mu\text{L}$)	486 ± 46	451 ± 47	413 ± 48	437 ± 39	< 0.02	NS
Hb (g/dL)	6.5 ± 0.7	6.2 ± 0.6	5.5 ± 0.9	5.8 ± 0.8	< 0.04	NS
Hct (%)	24.2 ± 2.8	22.8 ± 2.3	20.2 ± 2.7	21.9 ± 3.1	< 0.02	NS
MCV (fL)	49.8 ± 3.0	50.6 ± 2.3	48.8 ± 1.9	50.0 ± 3.2	NS	NS
MCH (pg)	13.4 ± 0.9	13.7 ± 1.0	13.3 ± 1.4	13.1 ± 0.9	NS	NS
MCHC (g/dL)	26.9 ± 1.4	27.2 ± 2.1	27.2 ± 3.2	26.4 ± 2.2	NS	NS
PLT ($10^4/\mu\text{L}$)	80 ± 14	61 ± 6	61 ± 18	69 ± 14	< 0.05	NS

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27 *P**, WT-Veh vs. Sf-Veh; *P***, Sf-Veh vs. Sf-CDDO-Im

28 Values are presented as the means ± SD of WT-Veh (n = 6), WT-CDDO-Im (n = 5), Sf-Veh (n

29 = 9), and Sf-CDDO-Im (n = 8) mice. WBC, white blood cell; RBC, red blood cell; Hb,

30 hemoglobin; Hct, hematocrit; MCV, mean corpuscular volume; MCH, mean corpuscular

31 hemoglobin; MCHC, mean corpuscular hemoglobin concentration; PLT, platelet; NS, not

32 significant.

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35 **Table S5. Primer and probe sequences for RT-qPCR**

Gene		Sequence
Mouse <i>Gapdh</i>	Forward	5'-GAGATGATGACCCTTTTGGC-3'
	Reverse	5'-GTCGTGGAGTCTACTGGTGTCTT-3'
Mouse <i>Ifng</i>	Forward	5'-CTTCTTCAGCAACAGCAAGGCGAA-3'
	Reverse	5'-GGGTTGTTGACCTCAAACCTTGGCA-3'
Mouse <i>Keap1</i>	Forward	5'-CCCATGAGGCATCACCGTAG-3'
	Reverse	5'-CATAGCCTCCGAGGACGTAG-3'
	Probe	5'-FAM-GGATTACTGTGCACCAGGGCAAG-TAMRA-3'
Mouse <i>Nqo1</i>	Forward	5'-AGCTGGAAGCTGCAGACCTG-3'
	Reverse	5'-CCTTTCAGAAATGGCTGGCA-3'
	Probe	5'-FAM-ATTCAGTTCCCATTCAGTGGTTTGGG-TAMRA-3'

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