

## SUPPLEMENTAL FIGURE LEGENDS

**Table 1. Animal numbers, liver weight, and liver (L): body weight (BW) ratios.** (D; DEN-initiated, S; dietary silibinin, DS; DEN-initiated/dietary silibinin), DES; DEN-initiated/dietary silibinin/EtOH.  $p < 0.05$  was considered statistically significant and denoted by \* vs S # vs D.

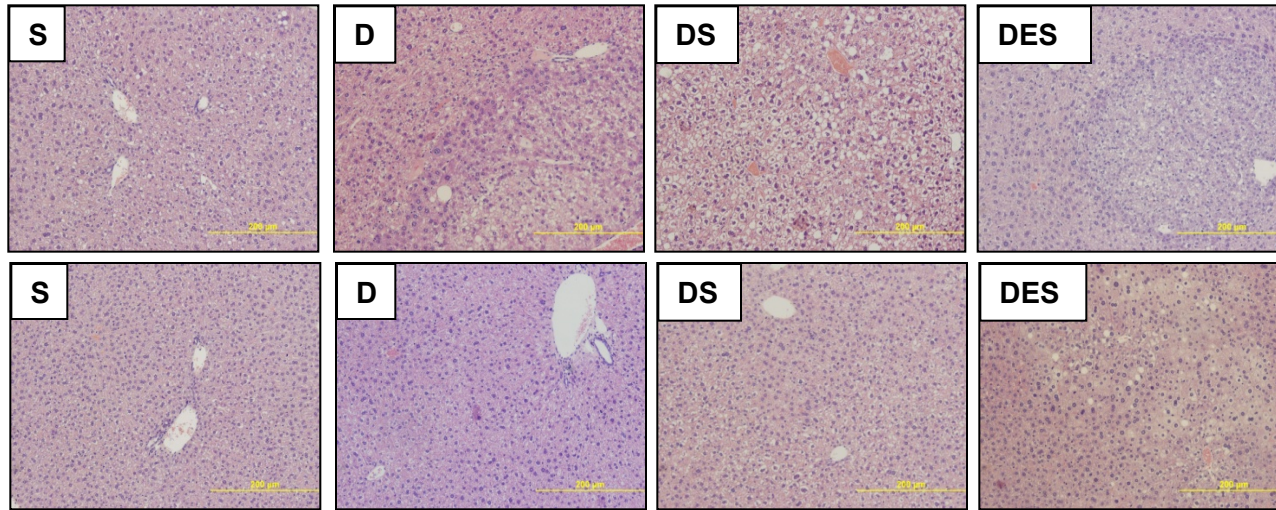
**Fig. 1. Silibinin feeding provided moderate hepatoprotective effects in male and female DEN-initiated mice at 24 weeks.** Liver injury was blind-scored from representative H and E (a) and Picosirius red sections (2 lobes/mouse, 5 fields/lobe) from each experimental group to generate a total liver injury score (TLIS) (b) and assessed by (c) serum alanine aminotransferase (ALT) activity, d) measures of mean area (mm<sup>2</sup>) of altered hepatic foci (AHF) and e) multiplicity of were calculated from glutathione S-transferase-placental isoform (GSTpi) immunohistochemistry. (D; DEN-initiated, S; dietary silibinin, DS; DEN-initiated/dietary silibinin), DES; DEN-initiated/dietary silibinin/EtOH.  $n \geq 5$  animals/group,  $p < .05$  S vs D, DS and DES in male and female groups, # male vs female, † DS vs D.

**Fig. 2. Liver collagen content at 48 weeks.** Representative images of sections from control (S) male and female mice and mice initiated with DEN (D) followed by dietary silibinin feeding (DS) and/or concomitant ethanol feeding (DES) at 48 wks. Sections were stained with Picosirius red to evaluate collagen deposition and combined to calculate a total liver injury score (TLIS) (Fig. 2b)

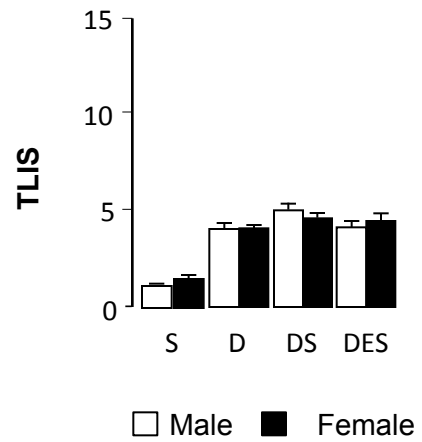
Supplemental Table 1.  
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	Group	n	Liver wt (g)	Body wt (g)	L:BW ratio
<b>Male 24 wk</b>	<b>S</b>	9	1.67 ± 0.02	33.6 ± 0.8	0.050 ± 0.001
	<b>D</b>	9	2.10 ± 0.17	36.9 ± 2.4	0.057 ± 0.002
	<b>DS</b>	8	1.96 ± 0.14	37.7 ± 1.9	0.052 ± 0.002
	<b>DES</b>	14	2.01 ± 0.14	34.8 ± 0.7	0.057 ± 0.004
<b>Female 24 wk</b>	<b>S</b>	9	1.32 ± 0.04	23.9 ± 0.5	0.055 ± 0.001
	<b>D</b>	9	1.64 ± 0.09	27.9 ± 0.6	0.059 ± 0.003
	<b>DS</b>	9	1.14 ± 0.07	24.1 ± 0.4	0.047 ± 0.001
	<b>DES</b>	14	1.31 ± 0.06	26.7 ± 1.1	0.049 ± 0.001
<b>Male 48 wk</b>	<b>S</b>	9	2.00 ± 0.07	41.4 ± 1.2	0.047 ± 0.001
	<b>D</b>	8	2.59 ± 0.35 *	36.3 ± 2.3 *	0.070 ± 0.007 *
	<b>DS</b>	9	2.64 ± 0.21*	37.1 ± 1.3	0.071 ± 0.005 *
	<b>DES</b>	14	3.96 ± 0.18 *	36.5 ± 0.9 *	0.107 ± 0.007 *
<b>Female 48 wk</b>	<b>S</b>	9	1.44 ± 0.05	28.7 ± 0.7	0.050 ± 0.001
	<b>D</b>	9	1.78 ± 0.14 *	28.2 ± 0.8	0.063 ± 0.005 *
	<b>DS</b>	8	1.32 ± 0.11 #	26.4 ± 0.5	0.050 ± 0.004 #
	<b>DES</b>	14	1.33 ± 0.11	25.9 ± 1.6	0.049 ± 0.003

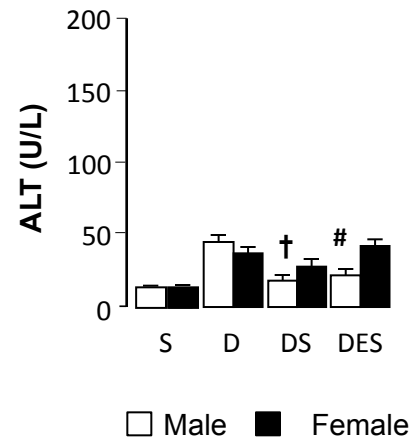
a)



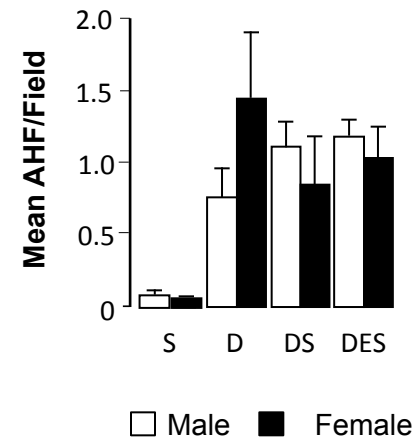
b)



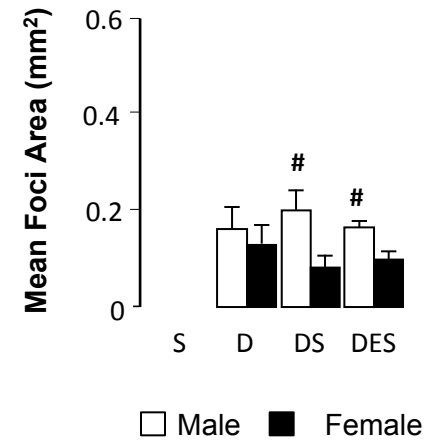
c)



d)



e)



Supplemental Figure 2.  
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