

Roles of Cytosolic Phospholipase A2 α in Reproductive and Systemic Toxicities in 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin Exposed Mice

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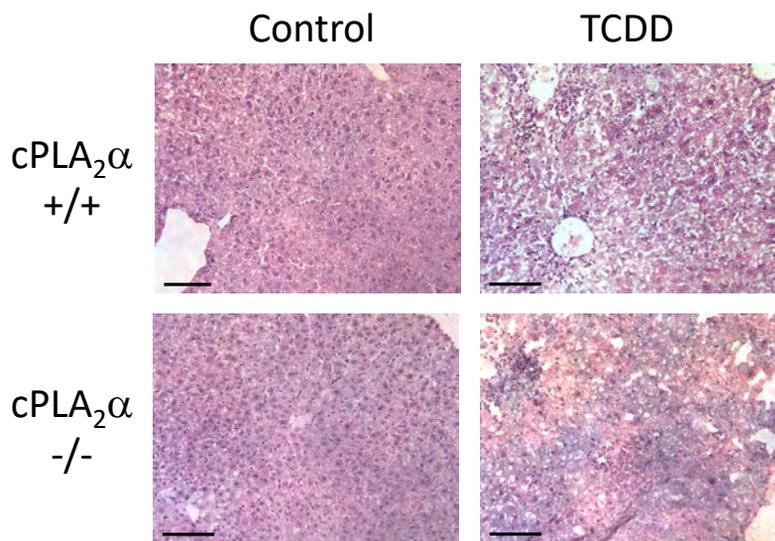
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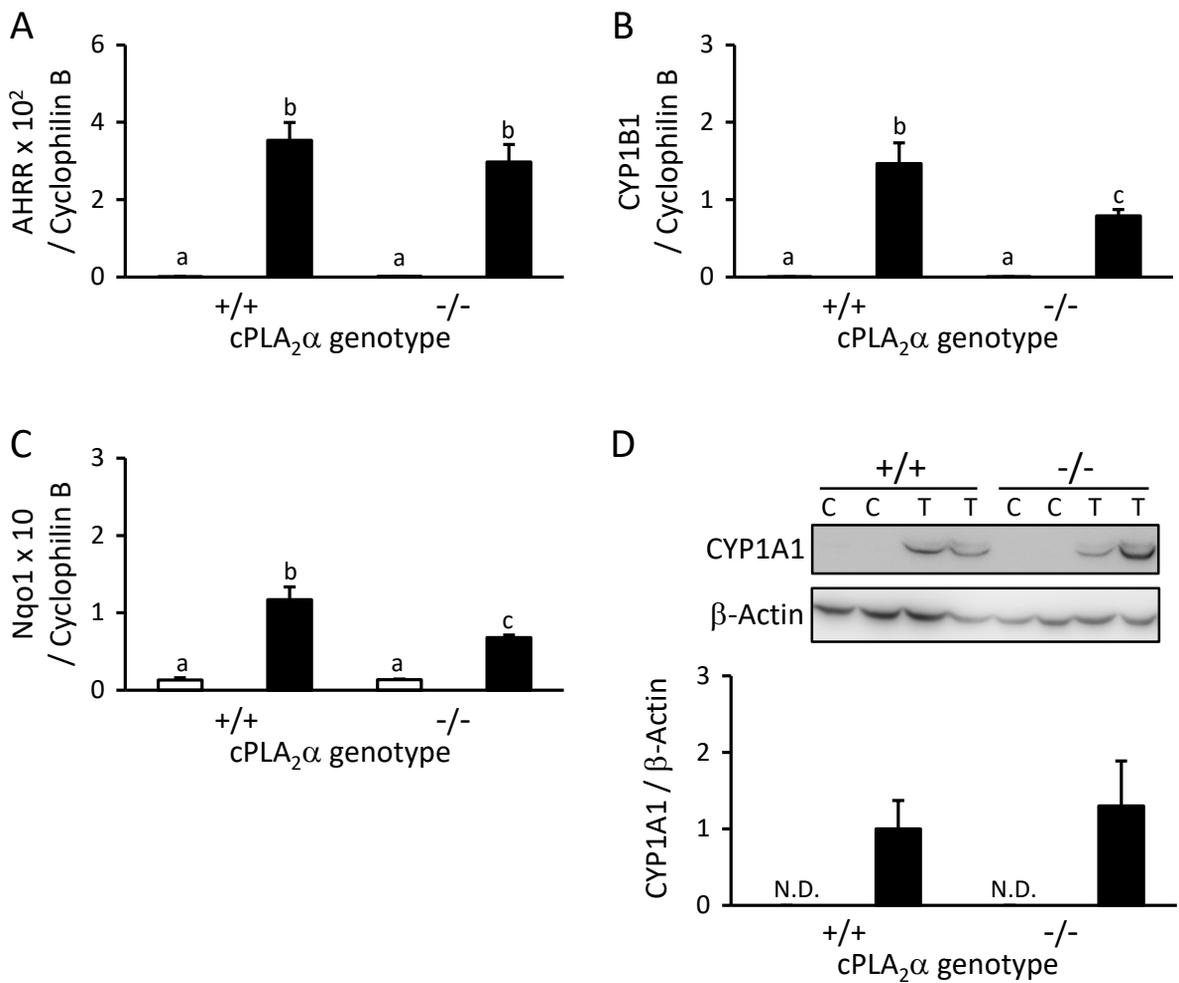
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Supplementary Table 1. Sequences of primers used for qPCR

Target Gene		Primer Sequences (5' to 3')
<i>AHRR</i>	Forward	CAG GGC AGA CAT TGT GGT TA
	Reverse	CTC CAT TGC TCT TTC CTG CT
<i>COX-2</i>	Forward	TGT GAA CAA TCA AAC AAA ATG ATG
	Reverse	GCG TAA ATT CCA ACA GCC TAA GT
<i>cPLA₂α</i>	Forward	AGC ATT CAA AAG GCT TCA CG
	Reverse	GGG AAA CAG AGC AAC GAG AT
<i>Cyclophilin B</i>	Forward	GAC TTC ACC AGG GGA GAT GG
	Reverse	TGT GAG CCA TTG GTG TCT TTG
<i>CYP1A1</i>	Forward	GGC ACC TCT GTT CAC CCT A
	Reverse	GAA TCT CTC CCT CTG TTC TTG
<i>CYP1B1</i>	Forward	TGC CTG CCA CTA TTA CGG AC
	Reverse	GGT CCC TCC CCA CAA CCT
<i>F4/80</i>	Forward	TGC ATC TAG CAA TGG ACA GC
	Reverse	GCC TTC TGG ATC CAT TTG AA
<i>IL-1β</i>	Forward	CAA GGA GAA CCA AGC AAC GA
	Reverse	GCC GTC TTT CAT TAC ACA GGA
<i>mPGES-1</i>	Forward	CTC AAG CCC TGC TAC CAC A
	Reverse	GGC CTC AGA CAA GAG ACC AT
<i>miR-101a</i>	Forward	GCC TAC AGT AGT GTG ATA AC
<i>Nqo1</i>	Forward	AGA CCT TGC TTT CTA TCA CCA CT
	Reverse	AGA CCT GGA AGC CAC AGA AAC
<i>TNF-α</i>	Forward	CAC CAC CAT CAA GCA CTC AA
	Reverse	GAC AGA GGC AAC CTG ACC AC
<i>U6 snRNA</i>	Forward	CGC TTC GGC AGC ACA TAT ACT AA



Supplementary Figure 1. Representative photographs of hematoxylin and eosin staining of livers of adult male mice; Bar = 100 μ m. cPLA₂α^{+/+} and ^{-/-} mice were intraperitoneally injected TCDD at a dose of 0 (Control) or 50 μ g/kg body weight on Day 0, and the livers were analyzed on Day 10.



Supplementary Figure 2. AHRR (A), CYP1B1 (B), and Nqo1 (C) mRNA expression, and CYP1A1 protein expression (D) in livers of cPLA₂α^{+/+} and cPLA₂α^{-/-} adult male mice at 8 days post administration of TCDD (50 μg/kg body weight) or vehicle. Black and open histogram indicate TCDD and vehicle treatment, respectively. Bars indicate means ± SEM (n = 4). N.D.: not detected. Histograms with different letters indicate significant differences by Tukey post hoc test (A-C) and Welch's *t*-test (D).