

**Supplemental Table S1A.** Body weight and organ weights in F1 and F3 generation female rats of control and dioxin lineages (mean  $\pm$  standard error).

Generation	Treatment	Sex	Body Weight (grams)	Ovaries (% of BW)	Uterus (% BW)	Kidney (% BW)
F1	Control	F	310.9 $\pm$ 6.15	0.0532 $\pm$ 0.0032	0.2589 $\pm$ 0.0209	0.3276 $\pm$ 0.0127
F1	Dioxin	F	280.2** $\pm$ 6.80	0.0485 $\pm$ 0.0048	0.2594 $\pm$ 0.0297	0.3245 $\pm$ 0.0123
F3	Control	F	293.6 $\pm$ 2.31	0.0501 $\pm$ 0.0011	0.3883 $\pm$ 0.0150	0.3567 $\pm$ 0.0036
F3	Dioxin	F	291.6 $\pm$ 3.96	0.0507 $\pm$ 0.0018	0.3304 $\pm$ 0.0173	0.3405** $\pm$ 0.0049

Asterisks (\*\*), if present, indicate statistically significant differences between means of control and dioxin lineage rats ( $P < 0.01$ ). The number of animals were as follows: F1 control, 20, F1 dioxin, 9, F3 control 69, F3 dioxin 41.

**Supplemental Table S1B.** Body weight and organ weights in F1 and F3 generation male rats control and dioxin lineages (mean  $\pm$  standard error).

Generation	Treatment	Sex	Body Weight (grams)	Testis (% BW)	Prostate (% BW)	Seminal Vesicle (% BW)	Epididymis (% BW)	Kidney (% BW)
F1	Control	M	545.3 $\pm$ 8.66	0.7599 $\pm$ 0.0154	0.2239 $\pm$ 0.0076	0.1395 $\pm$ 0.0092	0.2585 $\pm$ 0.0045	0.3821 $\pm$ 0.0092
F1	Dioxin	M	527.2 $\pm$ 9.65	0.8166* $\pm$ 0.0225	0.1881** $\pm$ 0.0076	0.1490 $\pm$ 0.0171	0.2675 $\pm$ 0.0075	0.3383** $\pm$ 0.0068
F3	Control	M	515.80 $\pm$ 6.09	0.8153 $\pm$ 0.0102	0.1970 $\pm$ 0.0041	0.1330 $\pm$ 0.0038	0.2628 $\pm$ 0.0028	0.3791 $\pm$ 0.0010
F3	Dioxin	M	550.7*** $\pm$ 6.46	0.7961 $\pm$ 0.0116	0.1890 $\pm$ 0.0047	0.1301 $\pm$ 0.0031	0.2597 $\pm$ 0.0035	0.3419** $\pm$ 0.0047

Asterisks (\*, \*\*, \*\*\*), if present, indicate statistically significant differences between means of control and dioxin lineage rats ( $P < 0.05$ ,  $P < 0.01$  and  $P < 0.001$  respectively). The number of animals were as follows: F1 control 22, F1 dioxin 13, F3 control 56, F3 dioxin 45.