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Title	Organ-Specific Mitochondrial DNA Copy Number Responses in Neonatal Mice Following in Utero Irradiation
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Table S1. Pup-level 8.2-kb long-fragment PCR-derived quantities before normalization to mtDNA copy number in neonatal mouse organs.

The values shown represent the 8.2-kb long-fragment PCR-derived quantities calculated from the standard curve before normalization to mtDNA copy number. Four pups were analyzed per litter. Pup-level values were averaged within each litter to obtain the litter-level means used as the independent experimental units for statistical analysis.

Group	Mother ID	Pup ID	Brain (ng/reaction)	Heart (ng/reaction)	Liver (ng/reaction)
Control	Control -1	Pup 1	0.0180	0.0320	0.0198
Control	Control -1	Pup 2	0.0463	0.0099	0.0298
Control	Control -1	Pup 3	0.0301	0.0248	0.0093
Control	Control -1	Pup 4	0.0159	0.0521	0.0424
Control	Control -2	Pup 1	0.0314	0.0085	0.0141
Control	Control -2	Pup 2	0.0182	0.0399	0.0112
Control	Control -2	Pup 3	0.0116	0.0138	0.0329
Control	Control -2	Pup 4	0.0219	0.0343	0.0280
Control	Control -3	Pup 1	0.0421	0.0124	0.0229
Control	Control -3	Pup 2	0.0120	0.0199	0.0085
Control	Control -3	Pup 3	0.0331	0.0278	0.0485
Control	Control -3	Pup 4	0.0290	0.0080	0.0168
Control	Control -4	Pup 1	0.0179	0.0577	0.0505
Control	Control -4	Pup 2	0.0081	0.0172	0.0128
Control	Control -4	Pup 3	0.0183	0.0241	0.0206
Control	Control -4	Pup 4	0.0095	0.0114	0.0339
E8	E8 -1	Pup 1	0.0123	0.0255	0.0078
E8	E8 -2	Pup 1	0.0357	0.0157	0.0103
E8	E8 -3	Pup 1	0.0090	0.0227	0.0092
E8	E8 -4	Pup 1	0.0128	0.0363	0.0131
E8	E8 -1	Pup 2	0.0538	0.0346	0.0520
E8	E8 -2	Pup 2	0.0568	0.0371	0.0258
E8	E8 -3	Pup 2	0.0138	0.0077	0.0183
E8	E8 -4	Pup 2	0.0132	0.0102	0.0145
E8	E8 -1	Pup 3	0.0075	0.0089	0.0157
E8	E8 -2	Pup 3	0.0212	0.0134	0.0288
E8	E8 -3	Pup 3	0.0490	0.0313	0.0447
E8	E8 -4	Pup 3	0.0096	0.0415	0.0363
E8	E8 -1	Pup 4	0.0351	0.0548	0.0402
E8	E8 -2	Pup 4	0.0245	0.0630	0.0314
E8	E8 -3	Pup 4	0.0212	0.0186	0.0604
E8	E8 -4	Pup 4	0.0078	0.0147	0.0082
E15	E15 -1	Pup 1	0.0110	0.0667	0.0240
E15	E15 -2	Pup 1	0.0414	0.0094	0.0162
E15	E15 -3	Pup 1	0.0199	0.0084	0.0214
E15	E15 -4	Pup 1	0.0415	0.0128	0.0175
E15	E15 -5	Pup 1	0.0083	0.0358	0.0192
E15	E15 -1	Pup 2	0.0289	0.0119	0.0647
E15	E15 -2	Pup 2	0.0155	0.0165	0.0583
E15	E15 -3	Pup 2	0.0667	0.0490	0.0322
E15	E15 -4	Pup 2	0.0126	0.0385	0.0252
E15	E15 -5	Pup 2	0.0328	0.0267	0.0293
E15	E15 -1	Pup 3	0.0604	0.0289	0.0272
E15	E15 -2	Pup 3	0.0092	0.0336	0.0434
E15	E15 -3	Pup 3	0.0374	0.0237	0.0276
E15	E15 -4	Pup 3	0.0127	0.0164	0.0121
E15	E15 -5	Pup 3	0.0167	0.0177	0.0087
E15	E15 -1	Pup 4	0.0424	0.0214	0.0116
E15	E15 -2	Pup 4	0.0522	0.0140	0.0074
E15	E15 -3	Pup 4	0.0239	0.0280	0.0097
E15	E15 -4	Pup 4	0.0092	0.0110	0.0563
E15	E15 -5	Pup 4	0.0089	0.0074	0.0247

Table S2. Litter-level mean 8.2-kb long-fragment PCR-derived quantities before normalization to mtDNA copy number in neonatal mouse organs.
Values represent litter-level means calculated by averaging measurements from four pups within each litter. The litter was treated as the independent experimental unit for statistical analysis (Control, n = 4 litters; E8, n = 4 litters; E15, n = 5 litters).

Group	Mother ID	Brain (ng/reaction)	Heart (ng/reaction)	Liver (ng/reaction)
Control	Control -1	0.0276	0.0297	0.0253
Control	Control -2	0.0208	0.0241	0.0215
Control	Control -3	0.0290	0.0170	0.0242
Control	Control -4	0.0135	0.0276	0.0295
E8	E8 -1	0.0272	0.0310	0.0289
E8	E8 -2	0.0345	0.0323	0.0241
E8	E8 -3	0.0233	0.0201	0.0331
E8	E8 -4	0.0108	0.0257	0.0180
E15	E15 -1	0.0357	0.0322	0.0319
E15	E15 -2	0.0296	0.0184	0.0313
E15	E15 -3	0.0370	0.0273	0.0227
E15	E15 -4	0.0190	0.0197	0.0278
E15	E15 -5	0.0167	0.0219	0.0205

Table S3. Group-level summary and statistical analysis of 8.2-kb long-fragment PCR-derived quantities before normalization to mtDNA copy number.
Values are presented as mean ± SEM of litter-level means (Control, n = 4 litters; E8, n = 4 litters; E15, n = 5 litters). Group differences within each organ were evaluated using the Kruskal–Wallis test. Post hoc pairwise comparisons were not performed because the overall test yielded $p > 0.05$ for all organs.

Organ	Control mean ± SEM (ng/reaction)	E8 mean ± SEM (ng/reaction)	E15 mean ± SEM (ng/reaction)	*p*-value
Brain	0.0227 ± 0.0036	0.0240 ± 0.0050	0.0276 ± 0.0042	0.589
Heart	0.0246 ± 0.0028	0.0273 ± 0.0028	0.0239 ± 0.0026	0.548
Liver	0.0251 ± 0.0016	0.0260 ± 0.0032	0.0268 ± 0.0023	0.942