

Table S4. Number of genes modulated after low and high dose exposures in the mammary glands of BALB/c and C57BL/6 at early (top) and late (bottom) timepoints after exposure.

**Early response**

Strain	Dose	Regimen	Criteria for gene selection		Unique genes	Up-regulated	Down-regulated
			Fold change	p-value			
C57BL/6	4 x 7.5 cGy	Low	>0.58	<0.1	78	34	44
BALB/c	4 x 7.5 cGy	Low	>0.58	<0.1	313	146	167
C57BL/6	4 x 1.8 Gy	High	>0.58	<0.01	429	115	314
BALB/c	4 x 1.8 Gy	High	>0.58	<0.01	658	190	468

**1-Month response**

Strain	Dose	Regimen	Criteria for gene selection		Unique genes	Up-regulated	Down-regulated
			Fold change	p-value			
C57BL/6	4 x 7.5 cGy	Low	>0.58	<0.1	294	75	219
BALB/c	4 x 7.5 cGy	Low	>0.58	<0.1	242	103	139
C57BL/6	4 x 1.8 Gy	High	>0.58	<0.01	380	166	214
BALB/c	4 x 1.8 Gy	High	>0.58	<0.01	223	56	167