Membrane estrogen receptor α signaling modulates the sensitivity to estradiol treatment in a dose- and tissue- dependent manner

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Supplementary Table 1. Stable serum E2 levels in high-dose E2 treated groups throughout the experiment.

Timepoint	WT-E2	C451A-E2	Šídák's multiple comparisons test
1-week	184±13 (n=6)	193±29 (n=5)	ns
2-week	226±20 (n=5)	330±32 (n=3)	ns
3-week	260±33 (n=10)	209±34 (n=8)	ns

(Two-way ANOVA analysis: interaction: ns; timepoint: ns; genotype: ns)

Ovariectomized WT and C451A females were treated with 17beta-estradiol (E2) of 6 µg/mouse/day for three weeks. Serum samples were taken after 1-week, 2-week and 3-week of treatment, and serum E2 levels were measured by LC-MS. Two-way ANOVA followed by Šidák's multiple comparisons test was applied for analysis. All values are presented as mean \pm SEM. ns; not significant.