

Supplementary Table 1. Fertility in the inducible conditional G3PP-KO male mice

	<b>fl/fl-Cre VEH</b>	<b>fl/fl-Cre TMX (icKO)</b>
Number of mice	4	6
Litters	5.0 ± 0.41	4.5 ± 0.62
Total pups	31.0 ± 1.10	24.2 ± 4.45
Pups/ litter	6.9 ± 0.57	5.4 ± 0.72

Data represent mean ± SEM

Supplementary Table 2. Percentages of sperm abnormalities in the inducible conditional G3PP-KO male mice

<b>Genotype</b>	<b>Small head</b>	<b>No head</b>	<b>Bended tail</b>	<b>No flagellum</b>	<b>Amorphous shape</b>	<b>Normal sperm</b>
fl/fl VEH	0	2.6±1.2	9.7±1.7	0	2.2±1.0	85.6±2.9
fl/fl-Cre VEH	0	2.7±1.1	21.8±1.3	0	2.4±0.9	73.7±1.3
fl/fl TMX	2.4±0.9	1.7±0.3	6.4±1.8	0	1.7±0.3	87.8±1.7
fl/fl-Cre TMX (icKO)	1.5±0.7	3.0±1.4	70.5±9.5 <sup>#</sup>	1.5±0.5 <sup>#</sup>	8.3±3.3	17.2±4.9 <sup>&amp;</sup>

Data represent mean ± SEM and were analyzed by one-way ANOVA with Tukey's test.

“&” -- lower compared to all other genotypes; “#” -- higher compared to all other genotypes.