

**Table S2 Summary of mixed model results for litter size in Hoxb1<sup>A1</sup> treatment and control lineage homozygous F<sub>2</sub> breeding cages**

<b>Litter Size in Homozygous Breeding Cages</b>				
GLMM with Poisson distribution and logarithmic link (Intercept at litter 1, 75 obs, 28 groups)				
<i>Random effects</i>	<i>Variance</i>	<i>Std. Deviation</i>		
Breeding cage (Slope)	0.001	0.034		
<i>Fixed effects</i>	<i>Estimate</i>	<i>Std. Error</i>	<i>Z value</i>	<i>Pr(&gt; z )</i>
Intercept	1.540	0.105	14.67	<0.0001***
Genotype ( <i>Hoxb1</i> <sup>+/g</sup> / <sup>+g</sup> )	0.497	0.144	3.46	0.001***
Litter Parity	0.155	0.082	1.90	0.058
Genotype ( <i>Hoxb1</i> <sup>+/g</sup> / <sup>+g</sup> ) X Litter Parity	-0.372	0.124	-3.01	0.003**

\*\*Indicates a p value <0.01, \*\*\* < 0.001