

Supplementary Table S1: Fertility tests for Stag3 mutants and controls

Genotype	Sex	Number tested	Avg. #pups
<i>Stag3</i> ^{+/OV}	Male	6	10.4
<i>Stag3</i> ^{OV/OV}	Male	6	0
<i>Stag3</i> ^{+/OV}	Female	6	11.1
<i>Stag3</i> ^{OV/OV}	Female	6	0
<i>Stag3</i> ^{+/JAX}	Male	4	7.7
<i>Stag3</i> ^{JAX/JAX}	Male	2	0
<i>Stag3</i> ^{+/JAX}	Female	4	7.3
<i>Stag3</i> ^{JAX/JAX}	Female	2	0
<i>Stag3</i> ^{JAX/OV}	Male	2	0
<i>Stag3</i> ^{JAX/OV}	Female	2	0