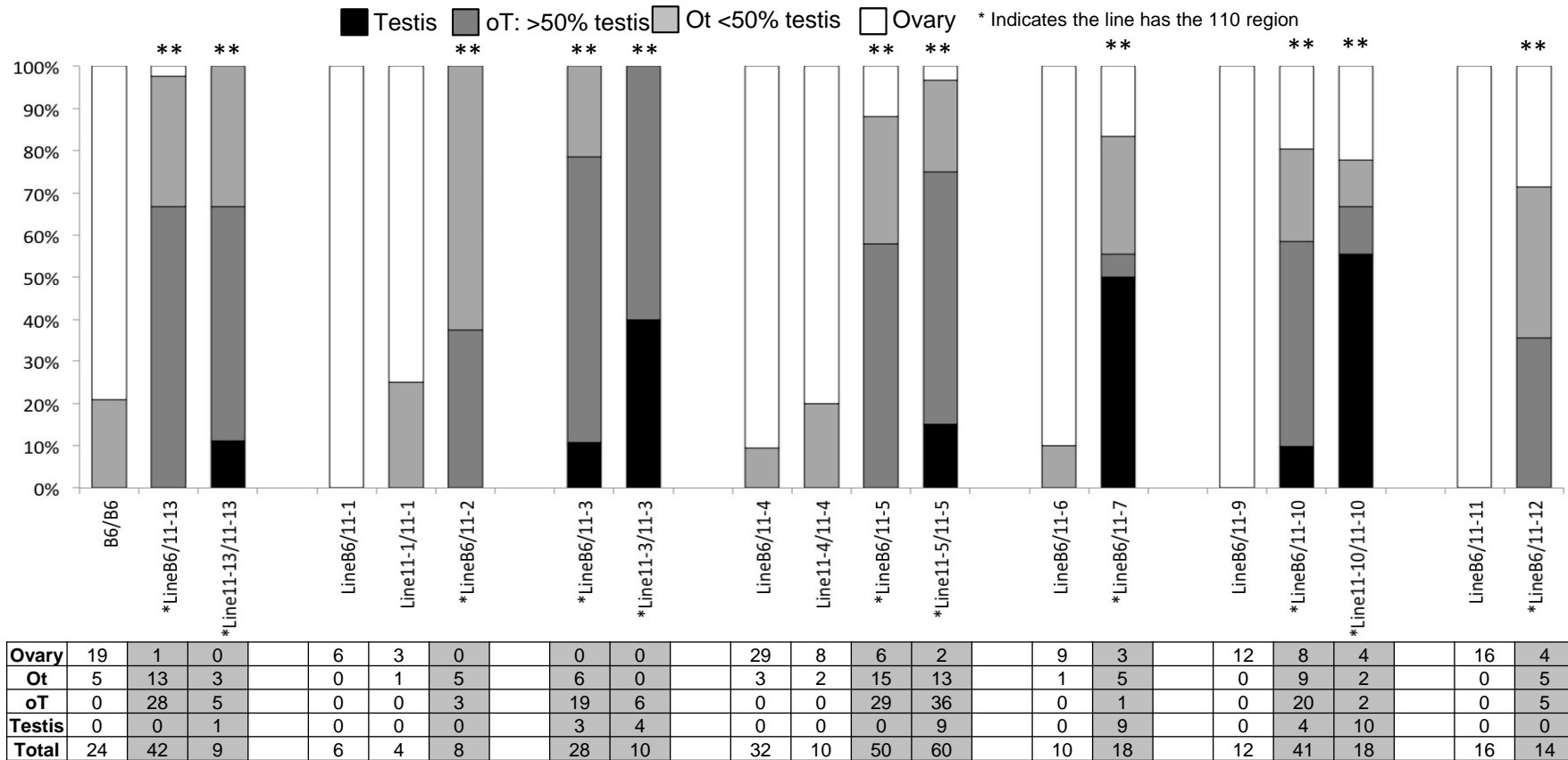


Genotype/Gonad Correlation in XY^{POS} Embryos



** Fisher exact test p-value <0.001 compared to B6/B6

Figure S2 Genotype-genital phenotype correlation in XY^{POS} embryonic gonads shows that the presence of the 110 region results in a shift towards testis formation. The embryonic phenotype is a qualitative assessment closer to the critical timepoint of embryonic sex determination, which occurs between E10.5 and E12. Embryonic XY^{POS} gonads were dissected immediately after sex determination at E14.5-E15.5 and the proportion of testis formation was qualitatively assessed. All lines were compared to B6/B6-Y^{POS} and animals that were heterozygous for congenic regions containing the 110 region. An asterisk (*) refers to the presence of the 110 region within the congenic line and double asterisk (**) refers to a Fisher exact test p-value <0.01. The homozygous presence of the congenic region with 110 resulted in no Y^{POS} ovaries. Heterozygosity for a congenic region with the 110 region resulted in a shift towards increased testis formation with less formation of full ovaries.