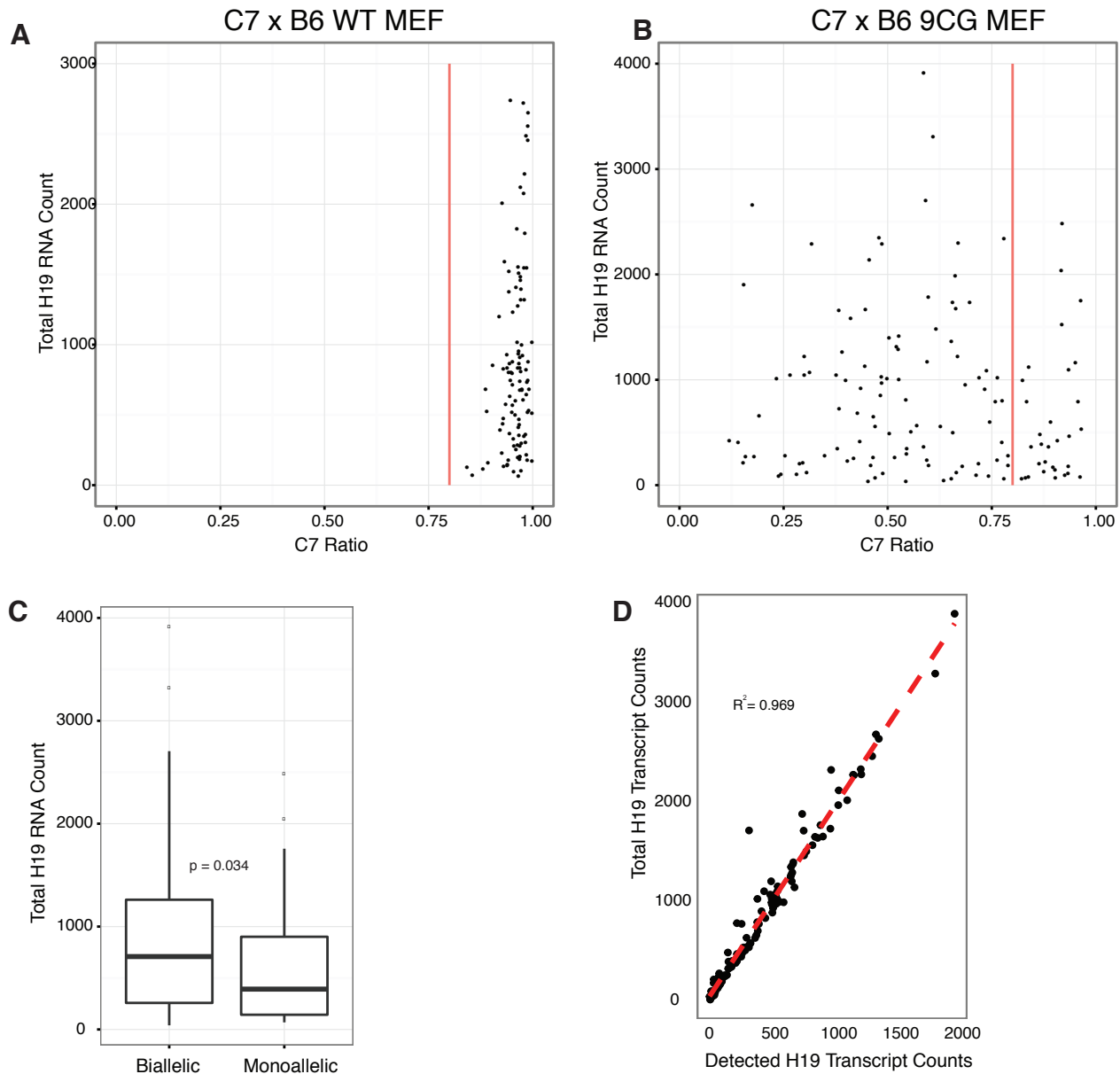


Supplementary Figure 3



Supplementary Figure 3. Determination of monoallelic and biallelic ratios in wild-type and mutant MEFs.

A. Scatter plot of allele-specific expression of C7xB6 wild-type MEFs. Almost all cells have a *H19* C7/total *H19* expression ratio greater than 0.8, suggesting 0.8 as an adequate cutoff for monoallelic *H19* expression. **B.** The *H19* C7 distribution and total *H19* RNA expression for C7xB6 *H19*^{+/-DMD-9CG} mutant MEFs. We classified cells with an *H19* C7/ total *H19* expression ratio greater 0.8 as monoallelic. **C.** Box plot showing *H19* RNA count distributions between monoallelic and biallelic cells in C7xB6 *H19*^{+/-DMD-9CG} mutant MEFs. Biallelic cells express approximately 50% more RNA on average than monoallelic cells (biallelic n = 102, monoallelic n = 31, p = 0.034 by bootstrapping through cell label permutation). **D.** Scatterplot showing linear relationship between detected *H19* transcript counts and total *H19* transcript counts in C7xB6 *H19*^{+/-DMD-9CG} mutant MEFs.