



Figure 1. Observed and expected numbers of corn offspring. We planted corn kernels and observed stalk colors two weeks later. Since both parents were green (G =green, g = white), but had a white offspring, these were heterozygous parents giving a 3 green: 1 white ratio of offspring. Our null hypothesis was a 3:1 ratio, and we used a Chi-Square test and obtained a Chi-Square value of 0.75. This showed no significance since it was less than the Chi-Square critical value of 3.84 ($p < 0.05$). White bars represent observed data, and the black bars represent expected phenotypes.