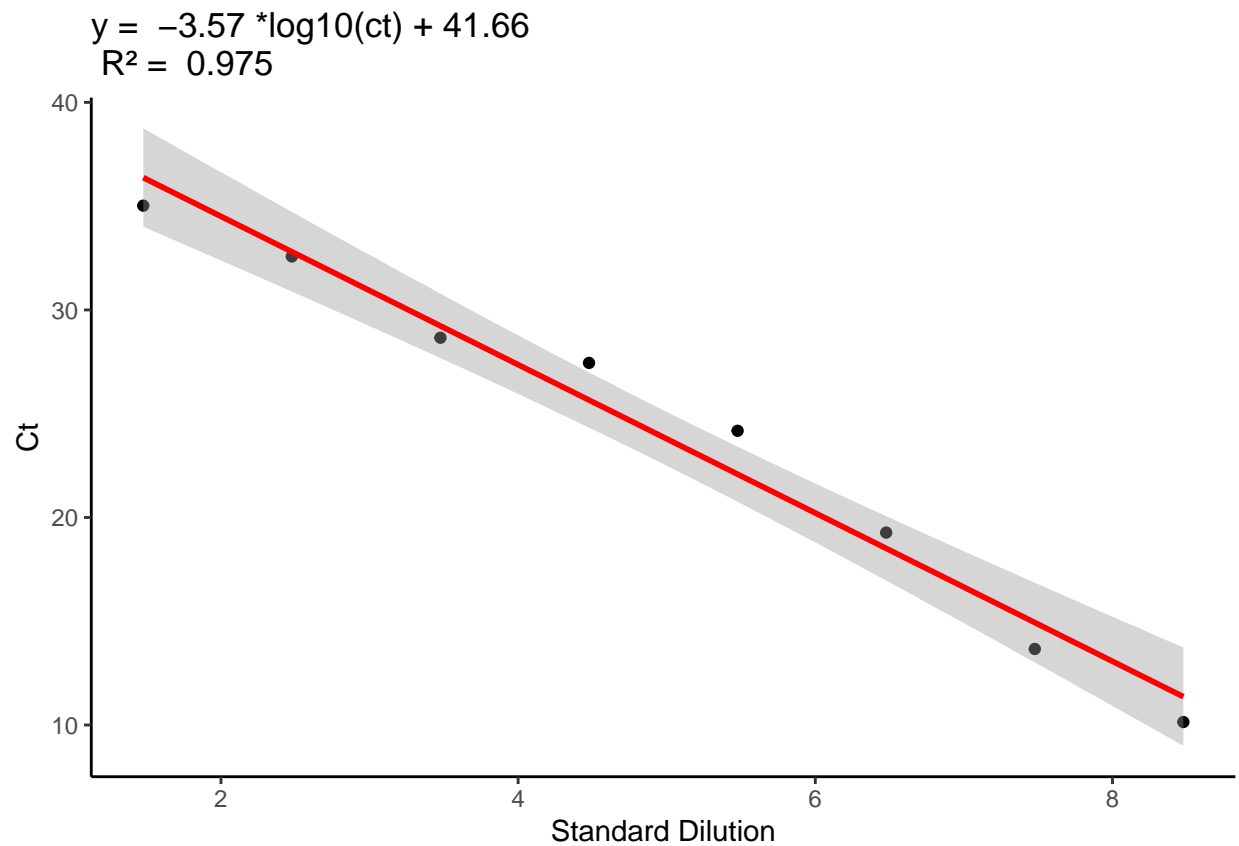


qPCR Analysis

Results

Standard Curve

The standard curve was generated based on the known standard dilutions. The following plot represents the standard curve fitted with linear regression:



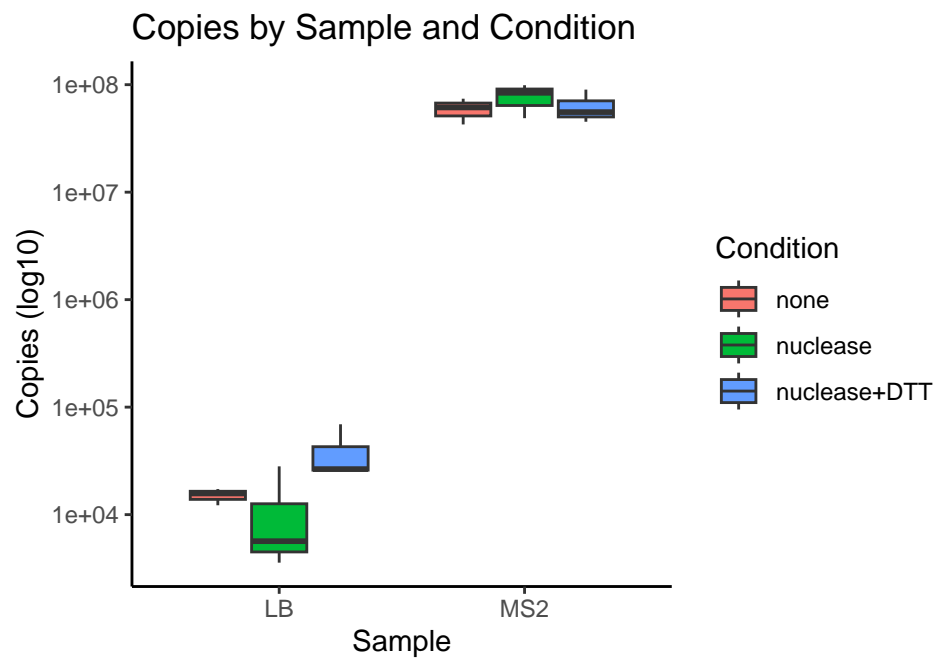
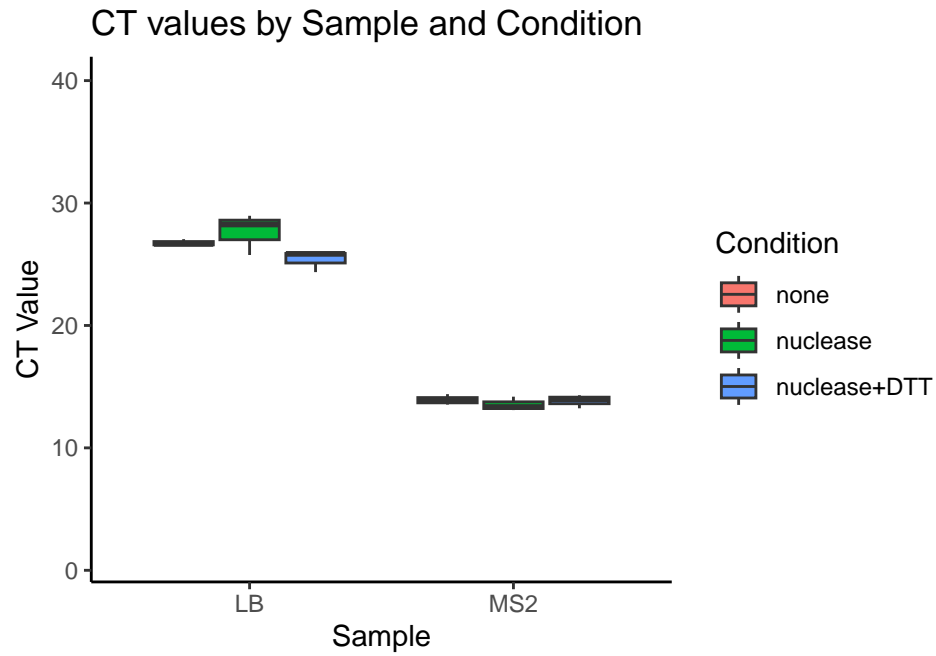
The equation for the standard curve is:

$$y = -3.57 \cdot \log_{10}(ct) + 41.66$$

The R-squared value for the model is $R^2 = 0.975$.

Sample Data Analysis

The following plots show the distribution of Ct values and the copy number of the samples under different conditions:



ANOVA Results

An ANOVA was performed to test for significant differences between conditions for each sample. The following table summarizes the p-values:

Table 1: ANOVA Results for Conditions by Sample

sample	p_value
MS2	0.6107
LB	0.1522