

Appendix

Initial Variable Summary Plots

Figure 1: CD19 Histogram

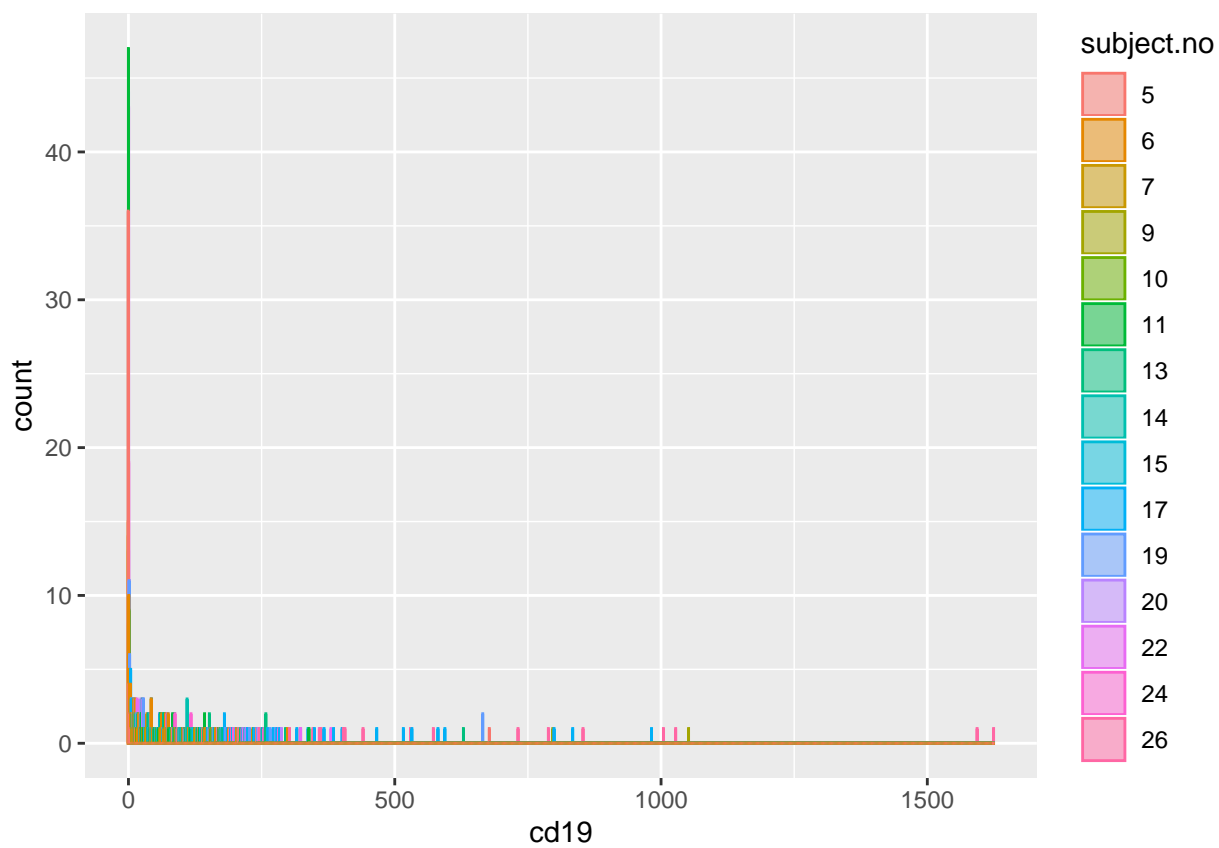


Figure 2: MALAT1 Histogram

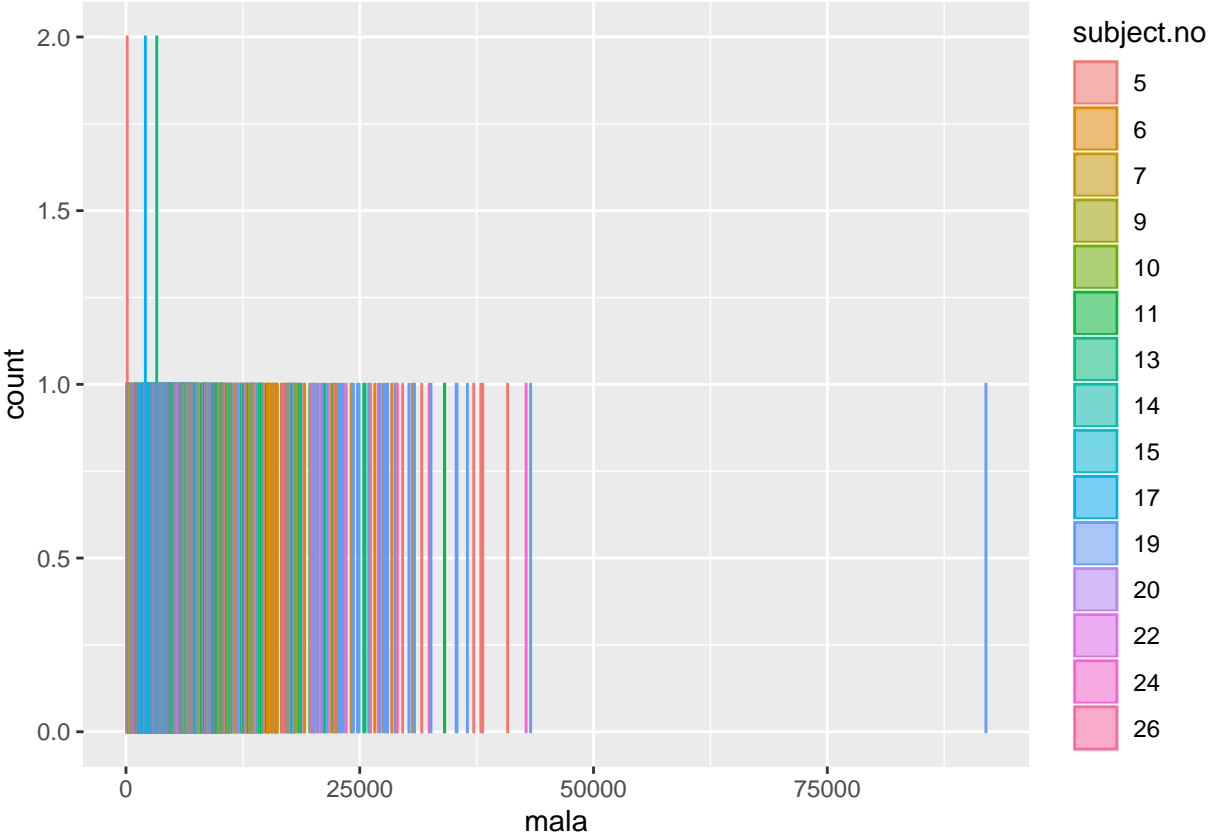
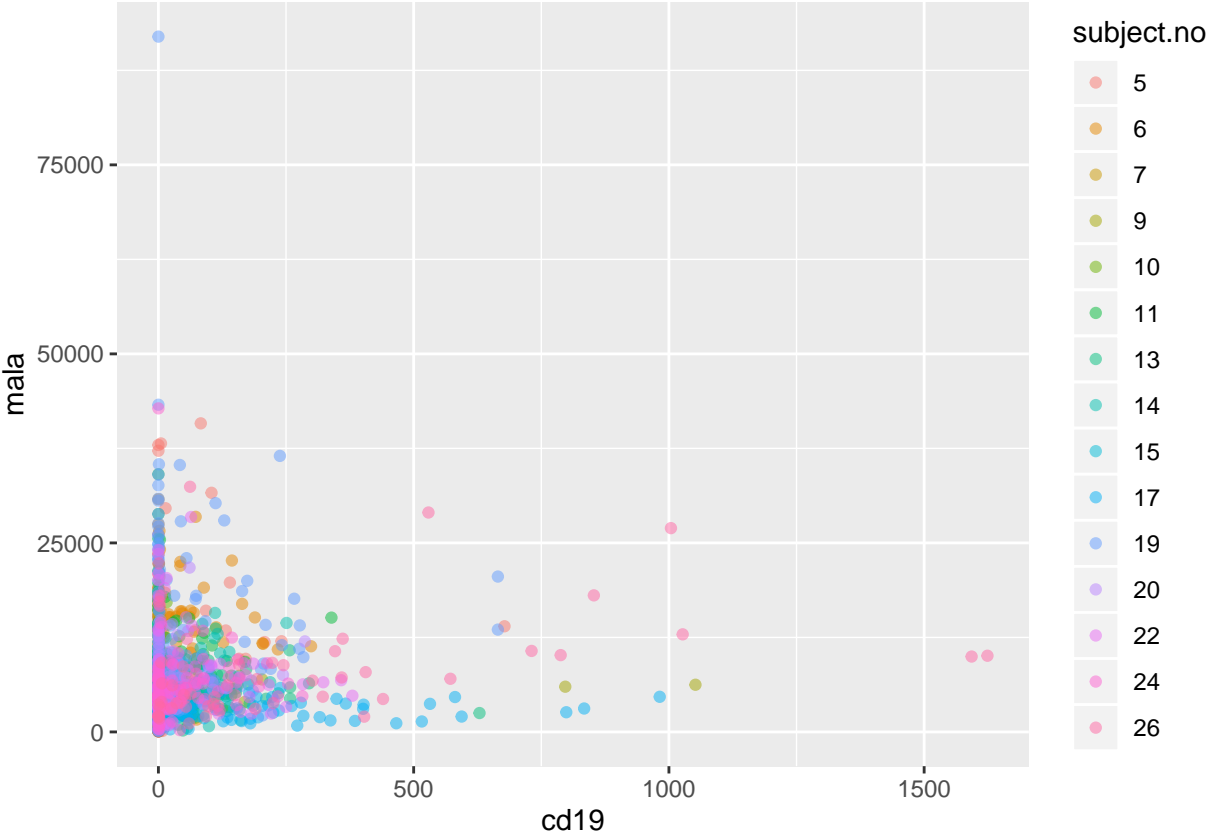


Figure 3: MALAT1 vs CD19 Scatter Plot



Log Transformed Variables

Figure 4: CD19 Histogram

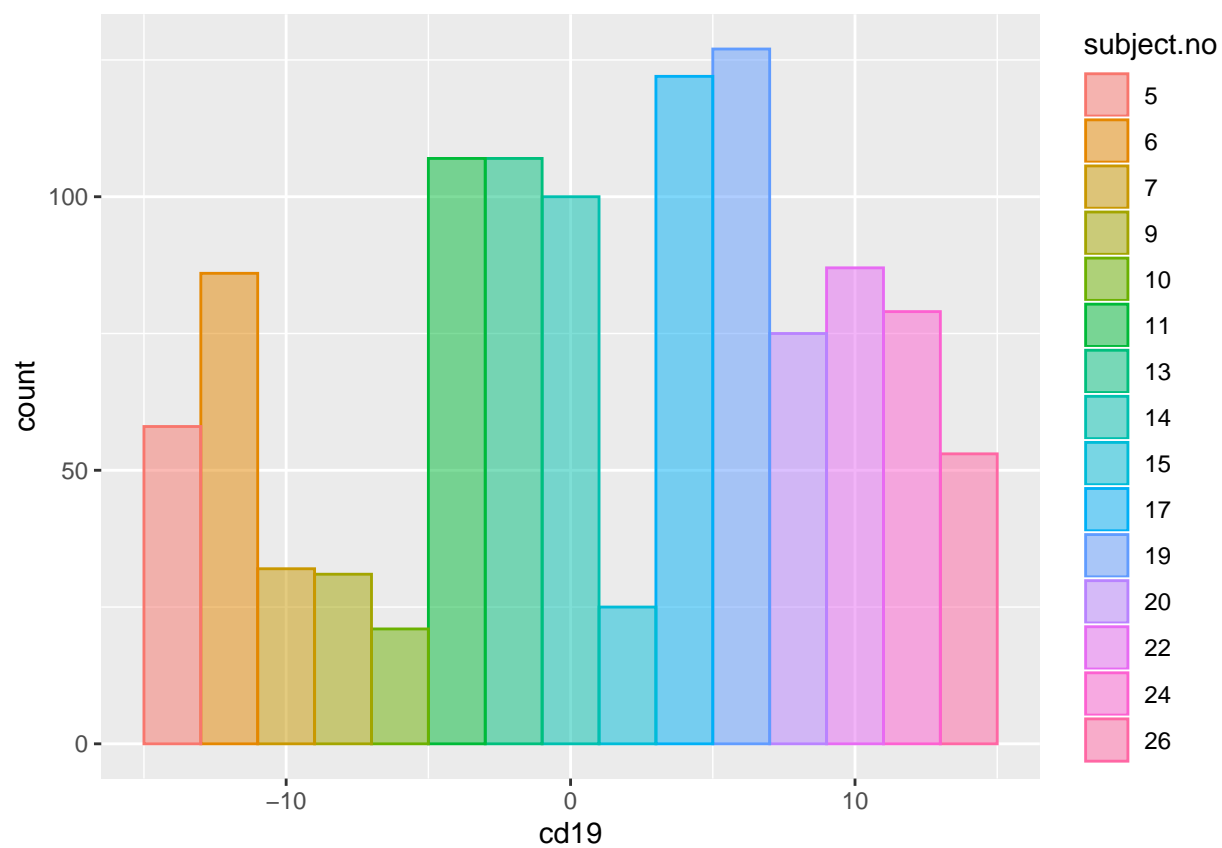


Figure 5: MALAT1 Histogram

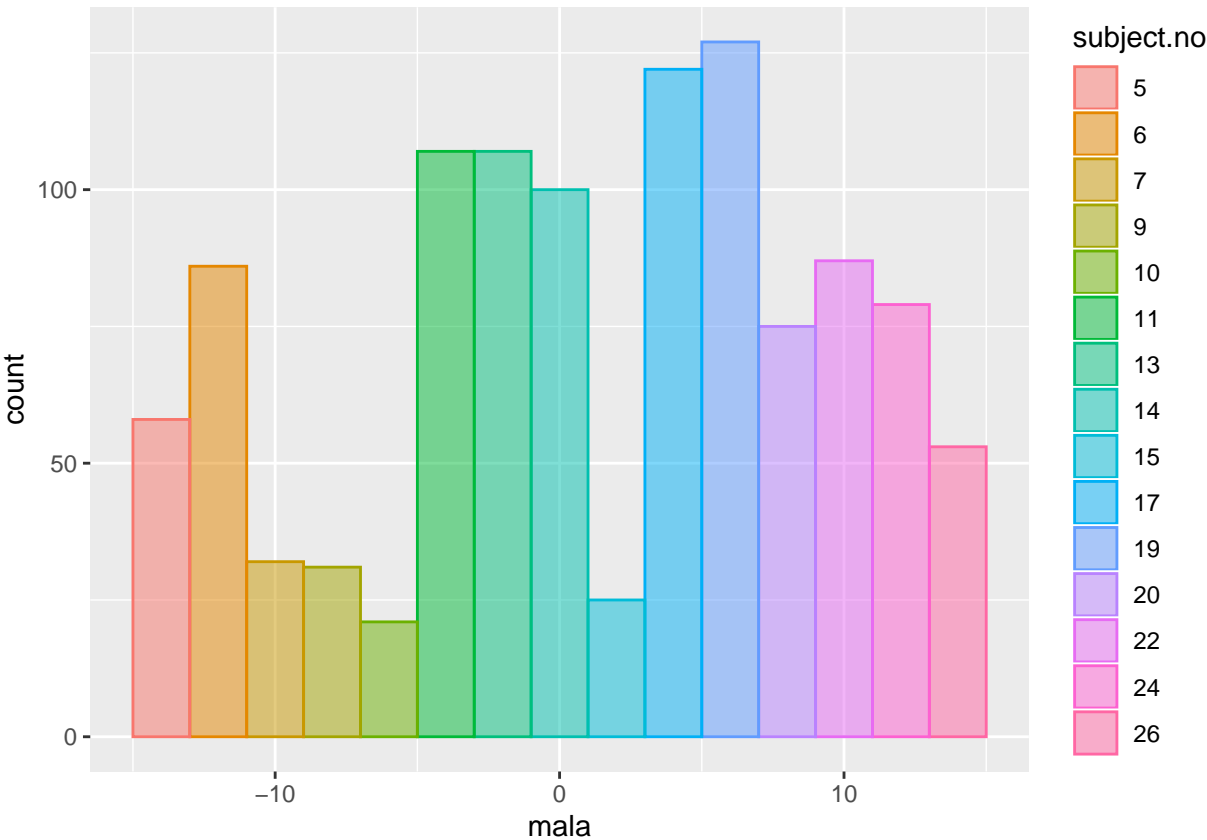
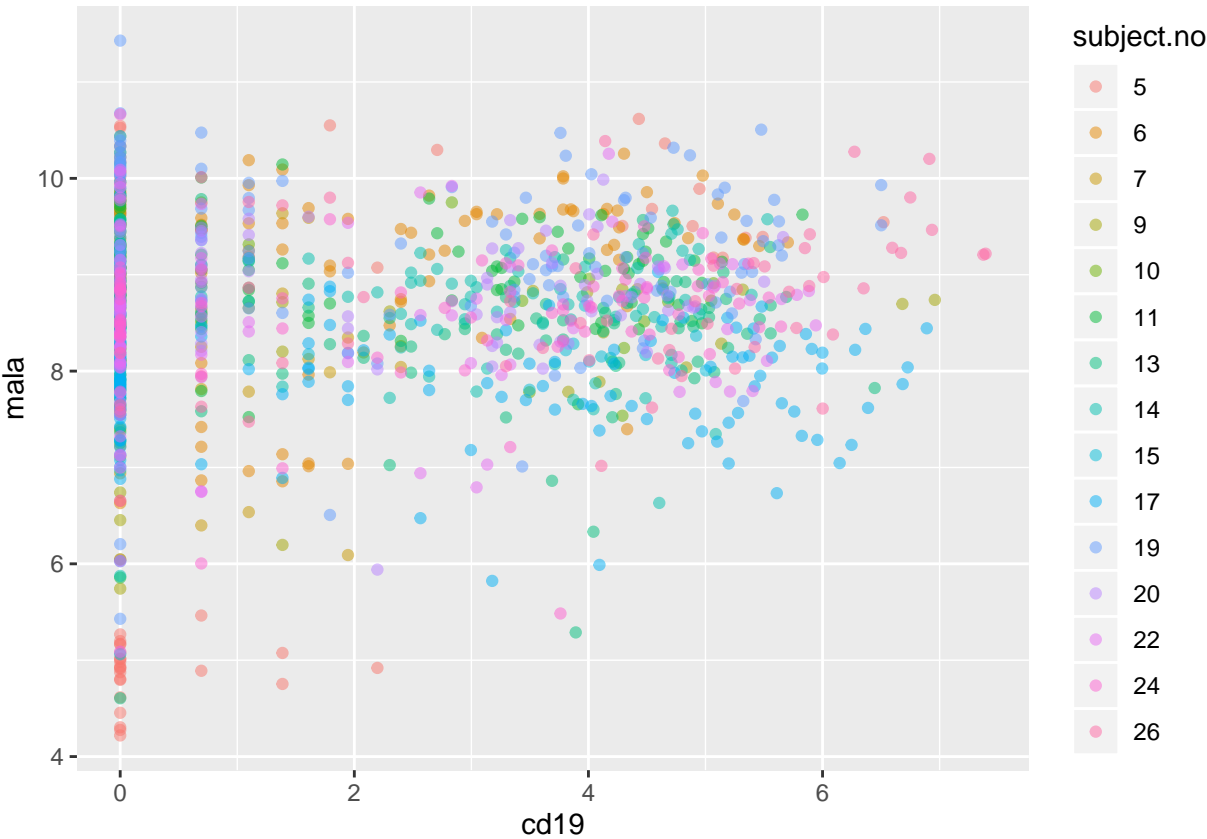


Figure 6: MALAT1 vs CD19 Scatter Plot



Linear Predictor

$$\eta_{ij} = \beta_0 + \beta_1 \text{ } CD19$$