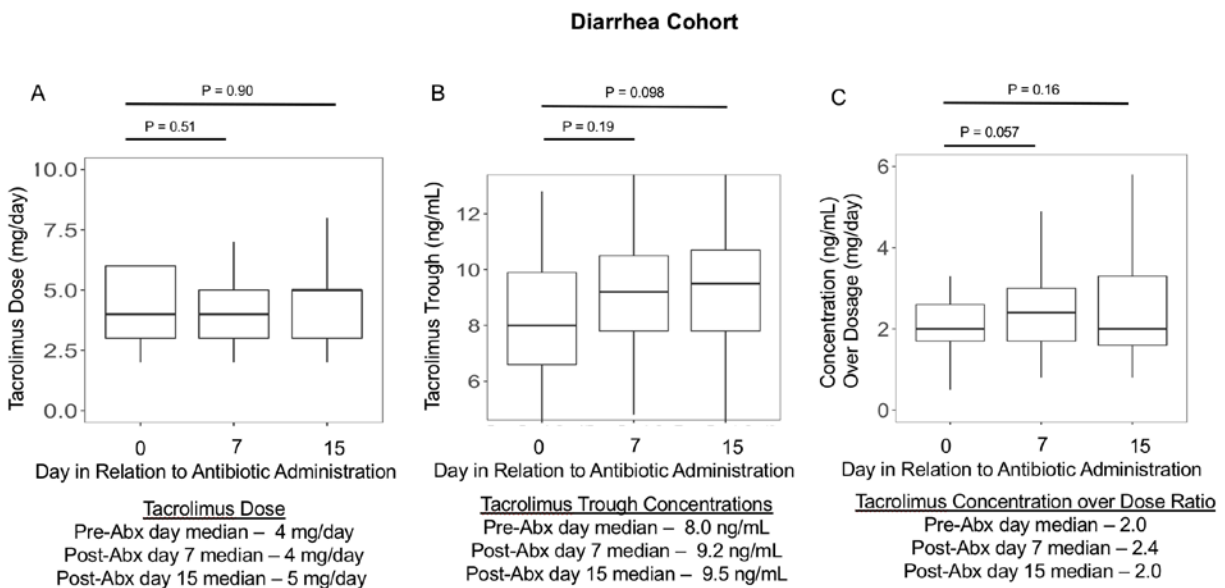
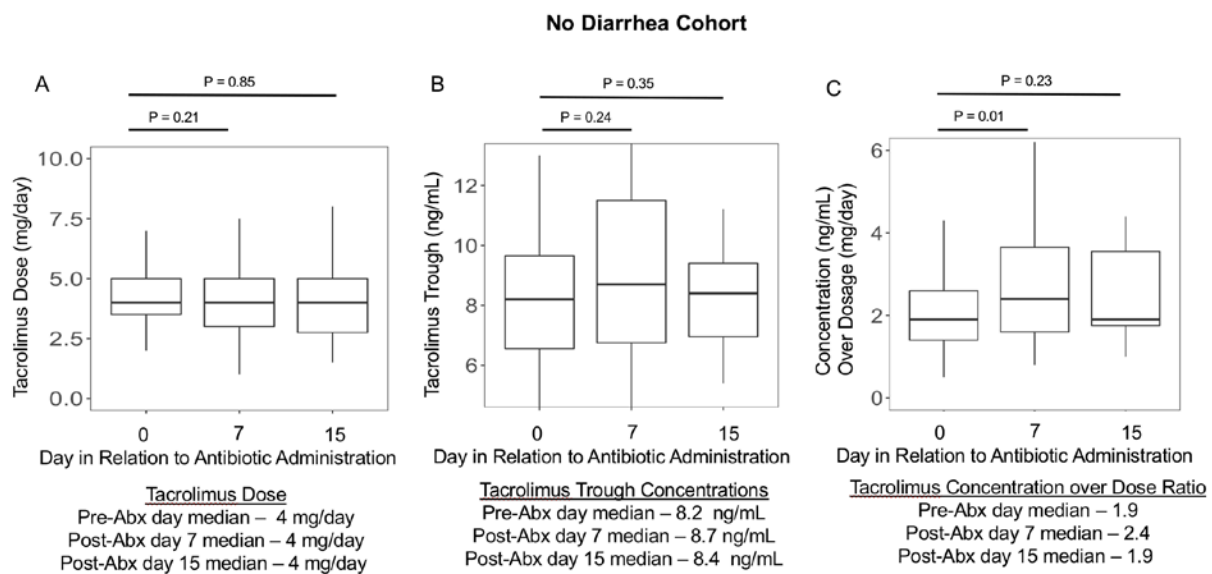


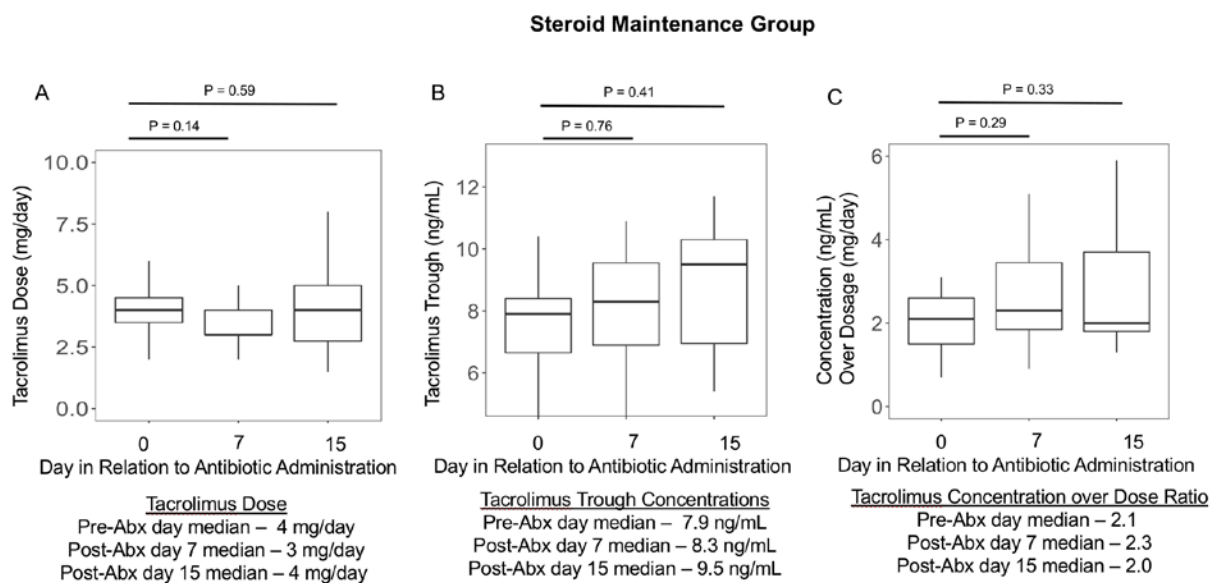
**Figure S1. Tacrolimus Dose, Trough Levels and Concentration-to-Dose Ratio after Antibiotic Administration in the Diarrhea Cohort.** Box-and-whisker plots with day on the x axis and (A) tacrolimus dose, (B) tacrolimus trough, or (C) tacrolimus Concentration-to-Dose ratios on the y axis in the 25 subjects who received antibiotics in the first month of transplantation, had tacrolimus trough prior to the first antibiotic exposure, and had diarrhea. In each box and whisker plot, the horizontal line within each box represents the median, the bottom and top of each box represents the 25<sup>th</sup> and 75<sup>th</sup> percentile values, the top whisker represents the 75<sup>th</sup> percentile value plus 1.5 times the interquartile range, and the bottom whisker represents the 25<sup>th</sup> percentile value minus 1.5 times the interquartile range. Pre-Abx day refers to the day on or immediately before the first antibiotic exposure occurred. Values below each plot for pre-Abx day, post-Abx day 7, and post-Abx day 15 are presented as medians. Statistical comparisons were made using Wilcoxon signed-rank test.



**Figure S2. Tacrolimus Dose, Trough Levels and Concentration-to-Dose Ratio after Antibiotic Administration in the No Diarrhea Cohort.** Box-and-whisker plots with day on the x axis and (A) tacrolimus dose, (B) tacrolimus trough, or (C) tacrolimus Concentration-to-Dose ratios on the y axis in the 23 subjects who received antibiotics in the first month of transplantation, had tacrolimus trough prior to the first antibiotic exposure, and did not have diarrhea. In each box and whisker plot, the horizontal line within each box represents the median, the bottom and top of each box represents the 25<sup>th</sup> and 75<sup>th</sup> percentile values, the top whisker represents the 75<sup>th</sup> percentile value plus 1.5 times the interquartile range, and the bottom whisker represents the 25<sup>th</sup> percentile value minus 1.5 times the interquartile range. Pre-Abx day refers to the day on or immediately before the first antibiotic exposure occurred. Values below each plot for pre-Abx day, post-Abx day 7, and post-Abx day 15 are presented as medians. Statistical comparisons were made using Wilcoxon signed-rank test.



**Figure S3. Tacrolimus Dose, Trough Levels and Concentration-to-Dose Ratio after Antibiotic Administration in the Steroid Maintenance Group.** Box-and-whisker plots with day on the x axis and (A) tacrolimus dose, (B) tacrolimus trough, or (C) tacrolimus Concentration-to-Dose ratios on the y axis in the 11 subjects who received antibiotics in the first month of transplantation, had tacrolimus trough prior to the first antibiotic exposure, and were maintained on steroids. In each box and whisker plot, the horizontal line within each box represents the median, the bottom and top of each box represents the 25<sup>th</sup> and 75<sup>th</sup> percentile values, the top whisker represents the 75<sup>th</sup> percentile value plus 1.5 times the interquartile range, and the bottom whisker represents the 25<sup>th</sup> percentile value minus 1.5 times the interquartile range. Pre-Abx day refers to the day on or immediately before the first antibiotic exposure occurred. Values below each plot for pre-Abx day, post-Abx day 7, and post-Abx day 15 are presented as medians. Statistical comparisons were made using Wilcoxon signed-rank test.



**Figure S4. Tacrolimus Dose, Trough Levels and Concentration-to-Dose Ratio after Antibiotic Administration in the Steroid Free Group.** Box-and-whisker plots with day on the x axis and (A) tacrolimus dose, (B) tacrolimus trough, or (C) tacrolimus Concentration-to-Dose ratios on the y axis in the 37 subjects who received antibiotics in the first month of transplantation, had tacrolimus trough prior to the first antibiotic exposure, and were not maintained on steroids. In each box and whisker plot, the horizontal line within each box represents the median, the bottom and top of each box represents the 25<sup>th</sup> and 75<sup>th</sup> percentile values, the top whisker represents the 75<sup>th</sup> percentile value plus 1.5 times the interquartile range, and the bottom whisker represents the 25<sup>th</sup> percentile value minus 1.5 times the interquartile range. Pre-Abx day refers to the day on or immediately before the first antibiotic exposure occurred. Values below each plot for pre-Abx day, post-Abx day 7, and post-Abx day 15 are presented as medians. Statistical comparisons were made using Wilcoxon signed-rank test.

