| Model formula | N | $R^2m$/ $R^2c$ | p treat. | Df treat. | Est. treat. | p day | Df day | Est. day |
|---|---|---|---|---|---|---|---|---|
| lmer(log(Ca. Udaeobacter)~Concentr+Days+(1\|plotID/sampleID)) | 606 | 0.04/ 0.96 | $< 2\ e^{-16}$ | 190 | $6.0\ e^{-4}$ | $< 2\ e^{-16}$ | 403 | -0.01 |
| lmer(log(Ca. Udaeobacter)~SixAntib.High+Days+(1\|plotID/sampleID) | 83 | 0.15/ 0.96 | $< 2\ e^{-16}$ | 38 | $9.8\ e^{-4}$ | $1.8\ e^{-4}$ | 66 | -0.01 |
| lmer(log(Ca. Udaeobacter)~SixAntib.Low+Days+(1\|plotID/sampleID) | 79 | 0.06/ 0.96 | $1.4\ e^{-13}$ | 66 | 0.01 | $6.9\ e^{-4}$ | 66 | -0.01 |
| lmer(log(Ca. Udaeobacter)~ThreeAntib.High+Days+(1\|plotID/sampleID) | 87 | 0.08/ 0.95 | $< 2\ e^{-16}$ | 74 | $1.4\ e^{-3}$ | $7.4\ e^{-4}$ | 74 | -0.01 |
| lmer(log(Ca. Udaeobacter)~ThreeAntib.Low+Days+(1\|plotID/sampleID) | 88 | 0.04/ 0.96 | $8.4\ e^{-14}$ | 75 | 0.01 | $9.9\ e^{-4}$ | 75 | -0.01 |
| lmer(log(Ca. Udaeobacter)~OneAntib.High+Days+(1\|plotID/sampleID) | 65 | 0.1/ 0.97 | $1.67\ e^{-11}$ | 25 | $4.5\ e^{-3}$ | $2.5\ e^{-5}$ | 50 | -0.01 |
| lmer(log(Ca. Udaeobacter)~OneAntib.Low+Days+(1\|plotID/sampleID) | 66 | 0.04/ 0.96 | $4.22\ e^{-7}$ | 53 | 0.02 | $3.0\ e^{-5}$ | 52 | -0.01 |
| lmer(ASV 6~Concentr+Days+(1\|plotID/sampleID)) | 606 | 0.02/0.90 | $1.68\ e^{-6}$ | 593 | 0.04 | $< 2\ e^{-16}$ | 593 | -1.73 |
| lmer(log(16S rRNA genes per ng DNA after 3 days)~Concentr+(1\| plotID)) | 30 | 0.02/ 0.90 | $1.84\ e^{-7}$ | 23 | $1.6\ e^{-3}$ | NA. | NA | NA |