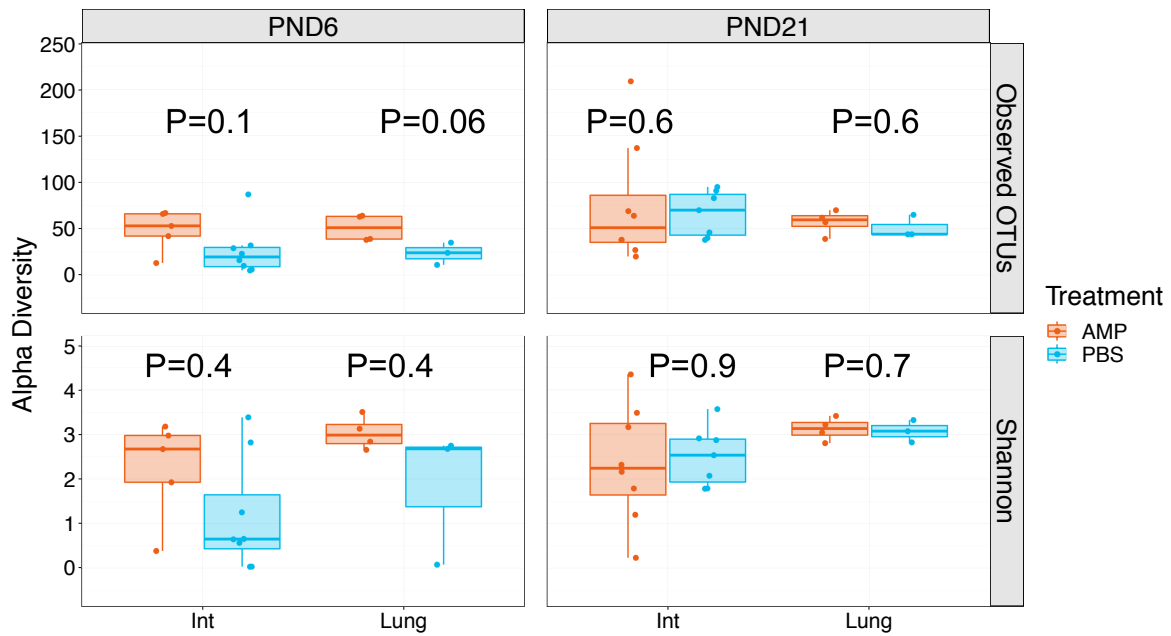


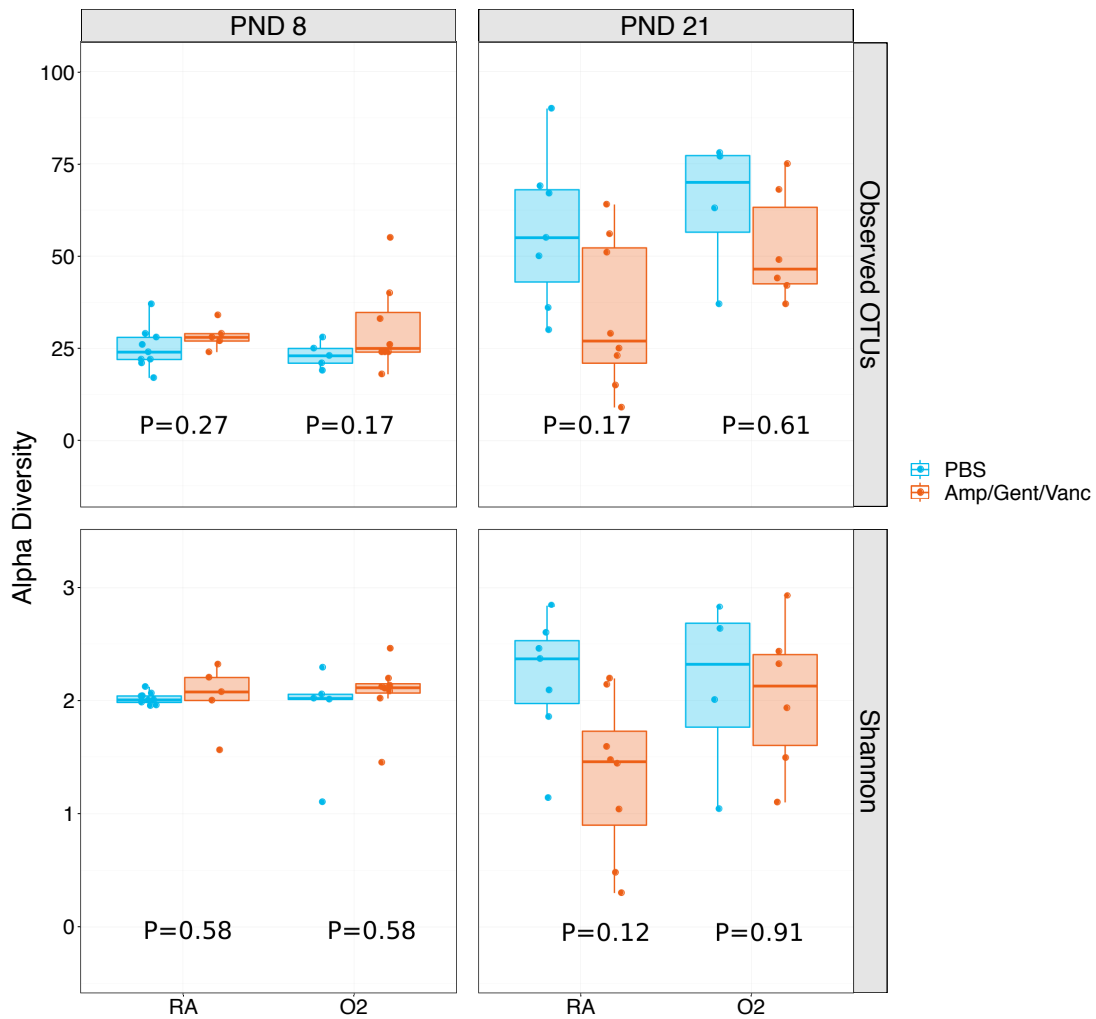
Supplemental Data:

**Impact of Early Life Antibiotic Exposure and Neonatal Hyperoxia on the Murine
Microbiome and Lung Injury**

Melissa H. Althouse, Christopher Stewart, Weiwu Jiang, Bhagavatula Moorthy, Krithika
Lingappan



Supplemental Figure 1: Alpha diversity measures in the intestine and the lung at PND 6 and 21. Ampicillin treated mice did not show differences in Shannon Diversity or observed OTUs in the intestine or lung when compared to PBS treated controls at PND 6 or 21. AMP = ampicillin. Int = Intestine. PND = postnatal day. PBS = phosphate buffered saline.



Supplemental Figure 2: Intestinal alpha diversity comparisons between three-antibiotic treated neonatal mice and controls at PND 8 and 21 in both room air and hyperoxia. Antibiotic treated mice did not show differences at PND 8 or PND 21 in either observed OTUs or Shannon Diversity when compared to PBS treated controls. RA = room air. O2 = hyperoxia. PBS= phosphate buffered saline. Amp/Gent/Vanc = ampicillin, vancomycin, gentamicin antibiotic cocktail.