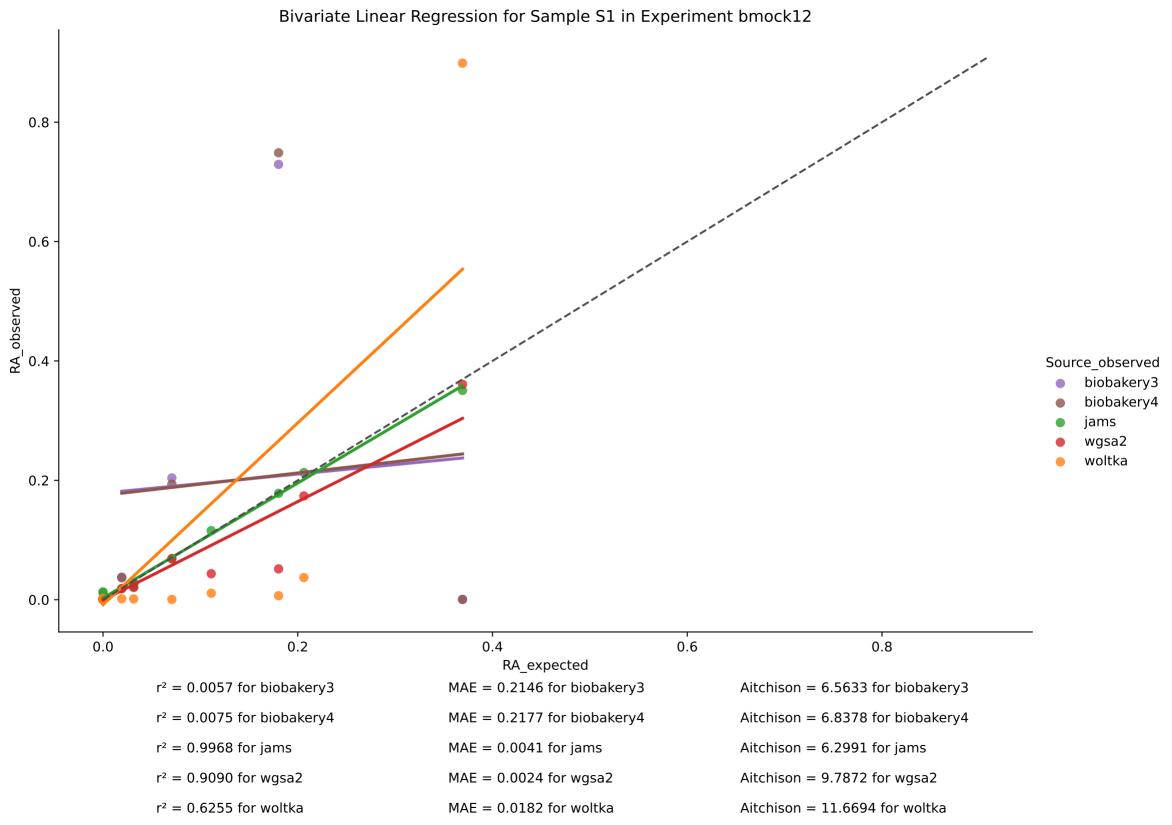
Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Genus) Source 10<sup>0</sup> Expected wgsa2 woltka jams 3.69e-01 biobakery3 biobakery4  $10^{-1}$ 2.0<mark>6e-0</mark>1 1.8<mark>0e</mark>-01 1.11e-01 7.0<mark>7e-0</mark>2 3.1<mark>5e-0</mark>2 Relative Abundance  $10^{-2}$ 1.9<mark>2e-0</mark>2 1.1<mark>6e</mark>-02 10<sup>-3</sup>  $10^{-4}$ MARINDBACTER HALOMOMAS PSYCHROBACTER INCROMONO SPORA MURICAUDA THIOCIANA COHAESIBACTER CUTIBACTERIUM

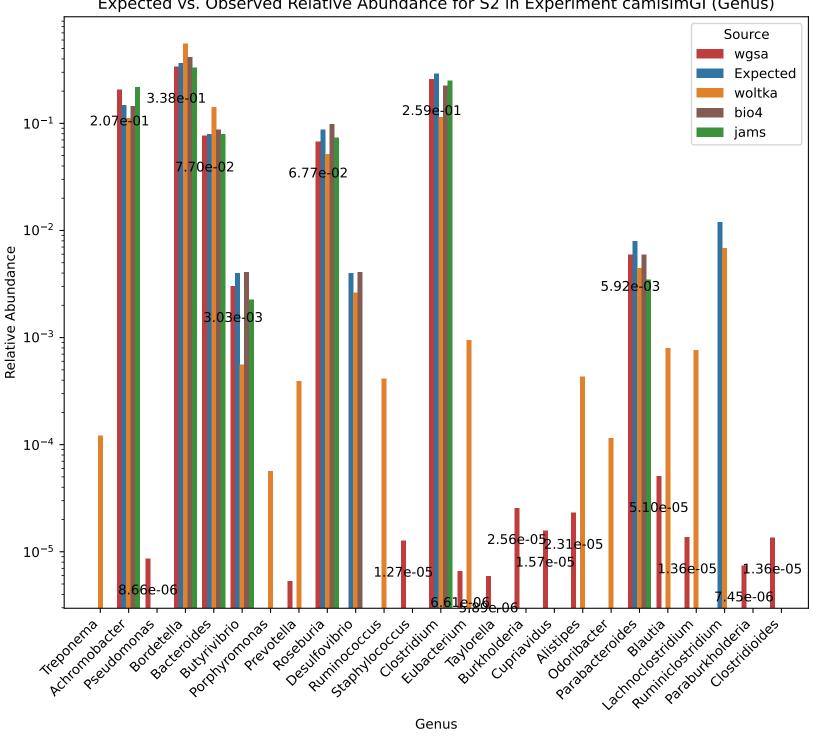
Genus

Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Species)  $10^{0}$ Source Expected jams wgsa2 biobakery3 biobakery4 woltka  $10^{-1}$ 1.95e-01 1.80e-01<sub>1</sub>.57e-01 1.74e-01 1.11e-01 7.07e-02 4.88e-02 Relative Abundance 3.15e-02 10<sup>-2</sup> .16e-<mark>0</mark>2 1.04e-02 8.77e-03 10<sup>-3</sup>  $10^{-4}$ PROPIONIBACTERIACE AE BACTERIUM ESOAT MCROMONOSPORA ECHMAURANIACA MCROMONOSPORA ECHNOPUSCA INCRONONOS PORA COXENSIS MARING BACTER SP. JATOMASTO'T PSYCHROBACTER SR. JY10R520.6 WARING BACTER SP. JVI DRS 10-8 COHAESBACTER SP. ES. DAT MURICAUDA SR. ESOSO HALOMONAS SR. HIL. 93 HALOMONAS SP. HLA

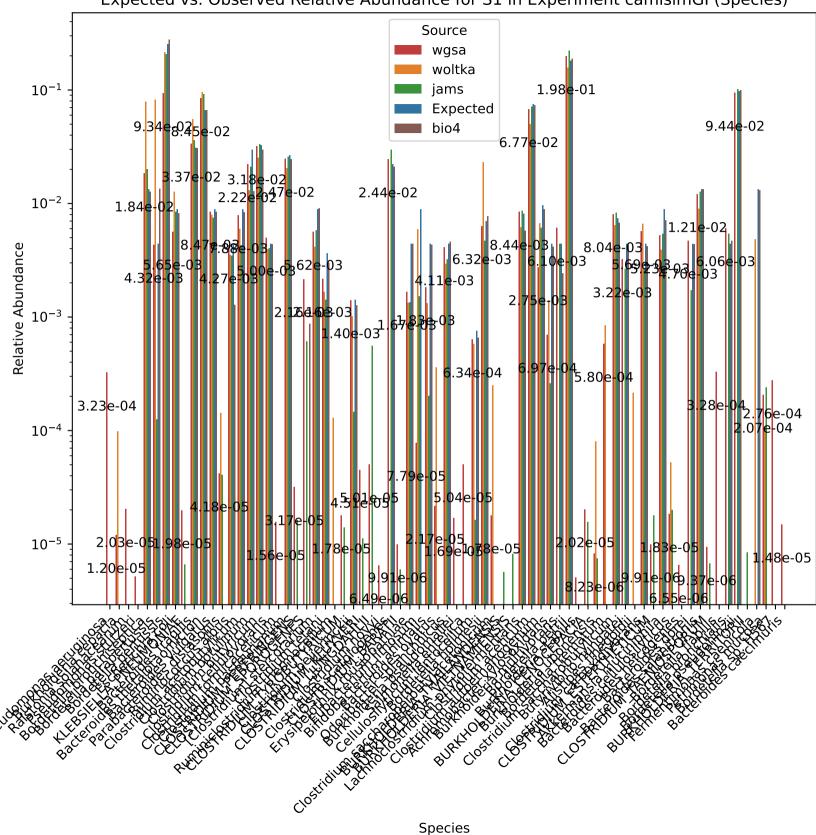


Expected vs. Observed Relative Abundance for S1 in Experiment camisimGI (Genus) 10<sup>0</sup> Source woltka 5.65e-01 wgsa Expected bio4 2.13 - 01  $10^{-1}$ jams 1.42e-01 10-2 1<mark>.27e-</mark>02 Relative Abundance 3.55e-03 3.00e-0<mark>3</mark> 10<sup>-3</sup> 1.68e-03 1.60e-03 .348-B8-03 6.91e-04 5.80 - 04.83e-04 .37 - 04  $10^{-4}$ .74e-04 1.72e-04 08e-04  $10^{-5}$ ACTION OF SEIN BOLLS THE SAME SEIN SEE Josephasionia Wellario Axe odo lo de la companya de la comp Petinonasides Parabateroides Salkateride's Latinoi de tridium Bulghingrio Color brition of siles of the graph of the self of the sold of the self of the Genus

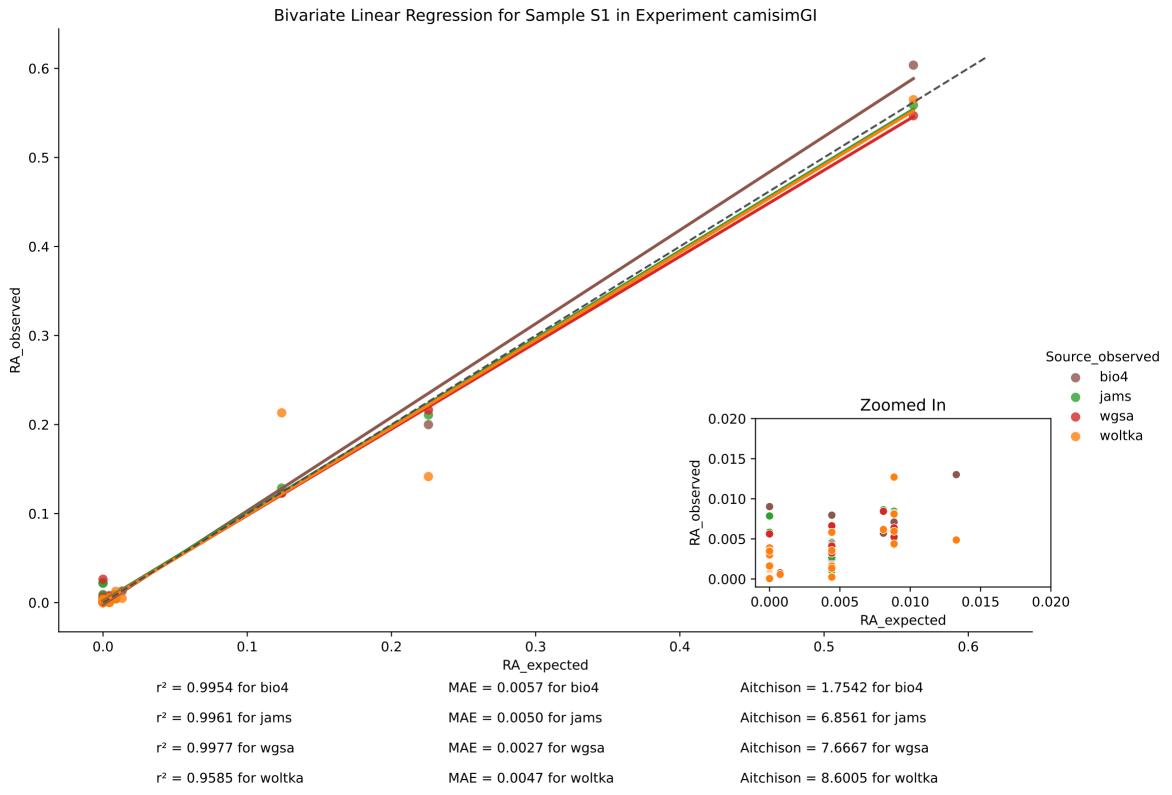
Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Genus)

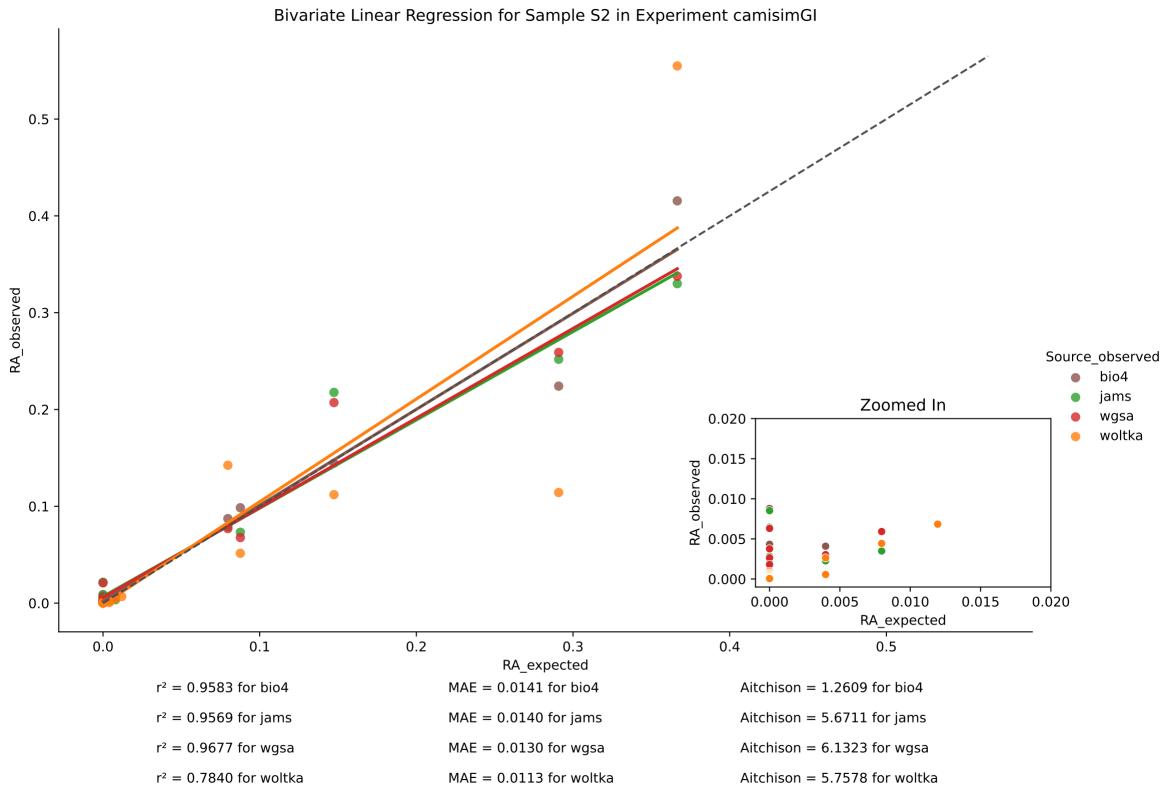


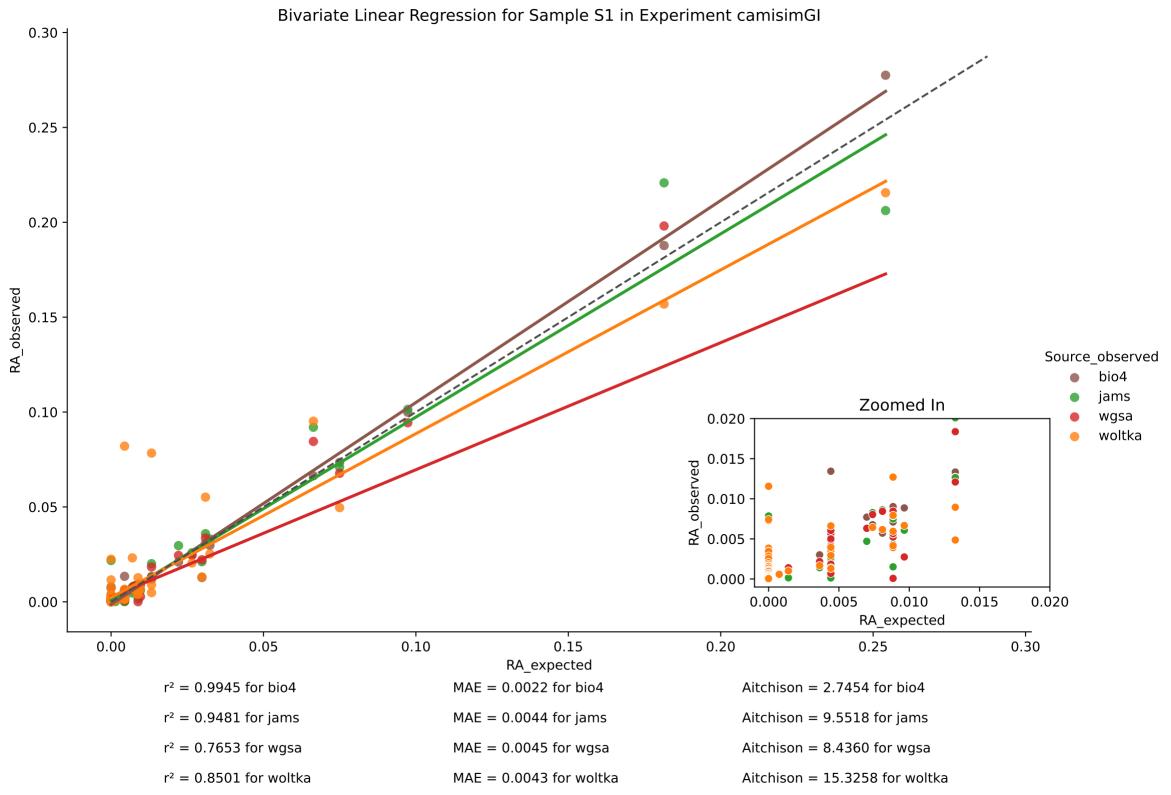
Expected vs. Observed Relative Abundance for S1 in Experiment camisimGI (Species)



Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Species) Source Expected wgsa bio4  $10^{-1}$ jams 1.24e-01 woltka 8.51**e**-02 8.76 - 02 3.59 -02  $10^{-2}$ Relative Abundance 7.50<mark>e</mark>-03 2.46e-03 10<sup>-3</sup>  $10^{-4}$ 10<sup>-5</sup> Clostidium sactrator

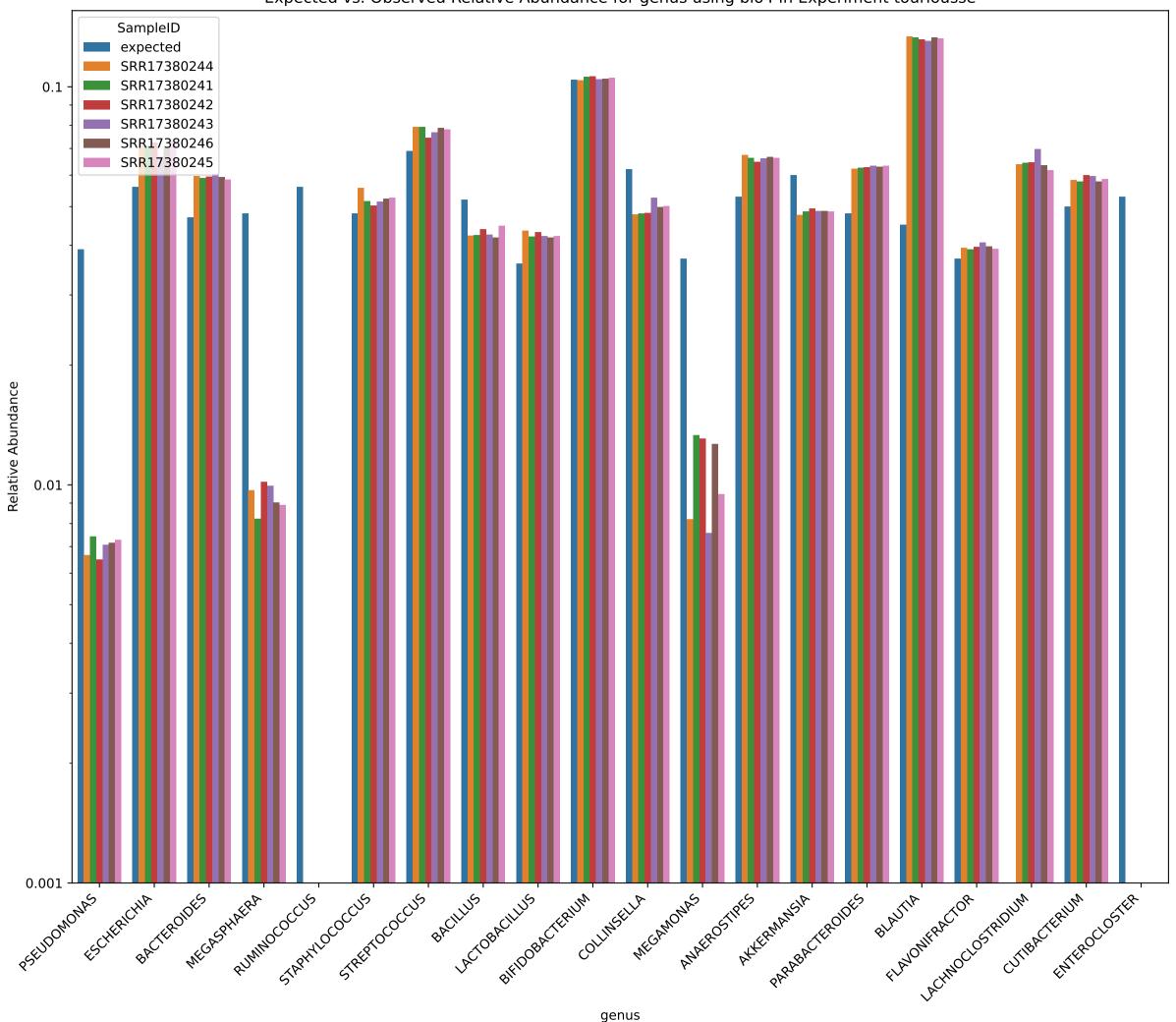




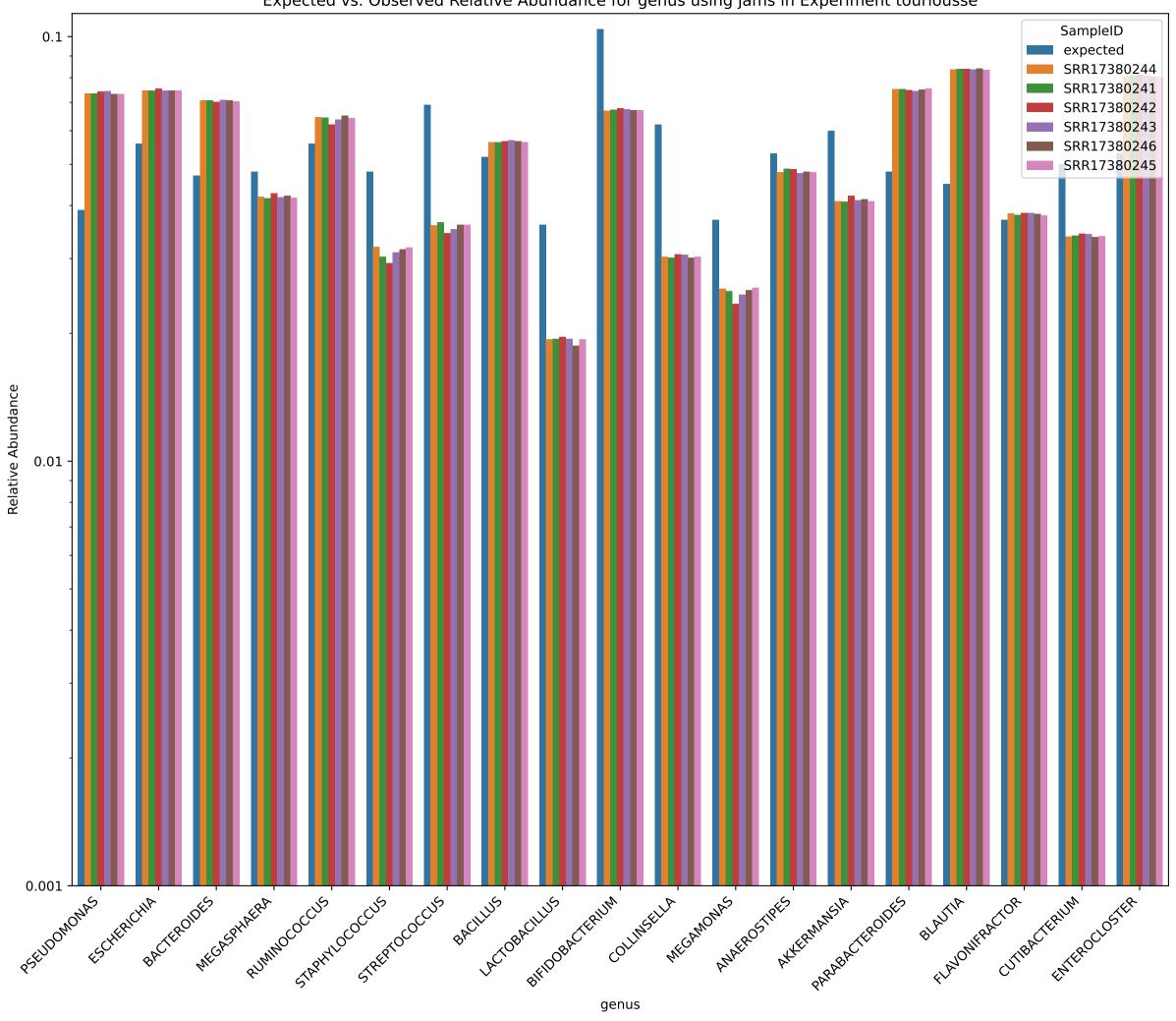


Bivariate Linear Regression for Sample S2 in Experiment camisimGI 0.4 0.3 RA\_observed c.o Source observed bio4 jams Zoomed In wgsa 0.020 woltka 0.015 0.010 0.005 0.1 0.000 0.005 0.015 0.0 0.010 0.000 0.020 RA\_expected 0.2 0.0 0.1 0.3 0.4 RA\_expected  $r^2 = 0.9605$  for bio4 MAE = 0.0068 for bio4 Aitchison = 1.5686 for bio4  $r^2 = 0.9474$  for jams MAE = 0.0080 for jams Aitchison = 6.3740 for jams  $r^2 = 0.7189$  for wgsa MAE = 0.0082 for wgsa Aitchison = 7.1460 for wgsa  $r^2 = 0.7759$  for woltka MAE = 0.0050 for woltka Aitchison = 16.6555 for woltka

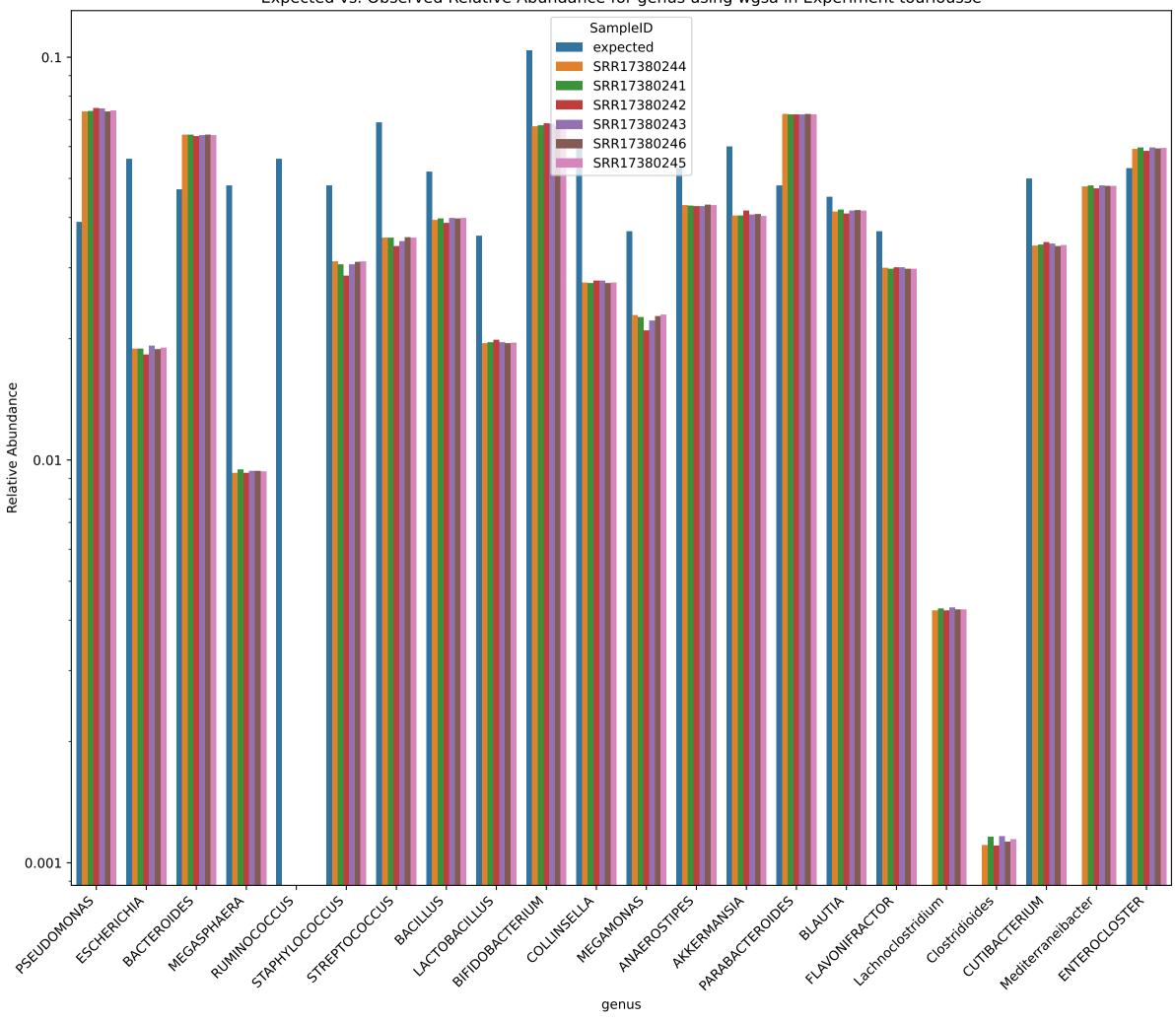
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment tourlousse



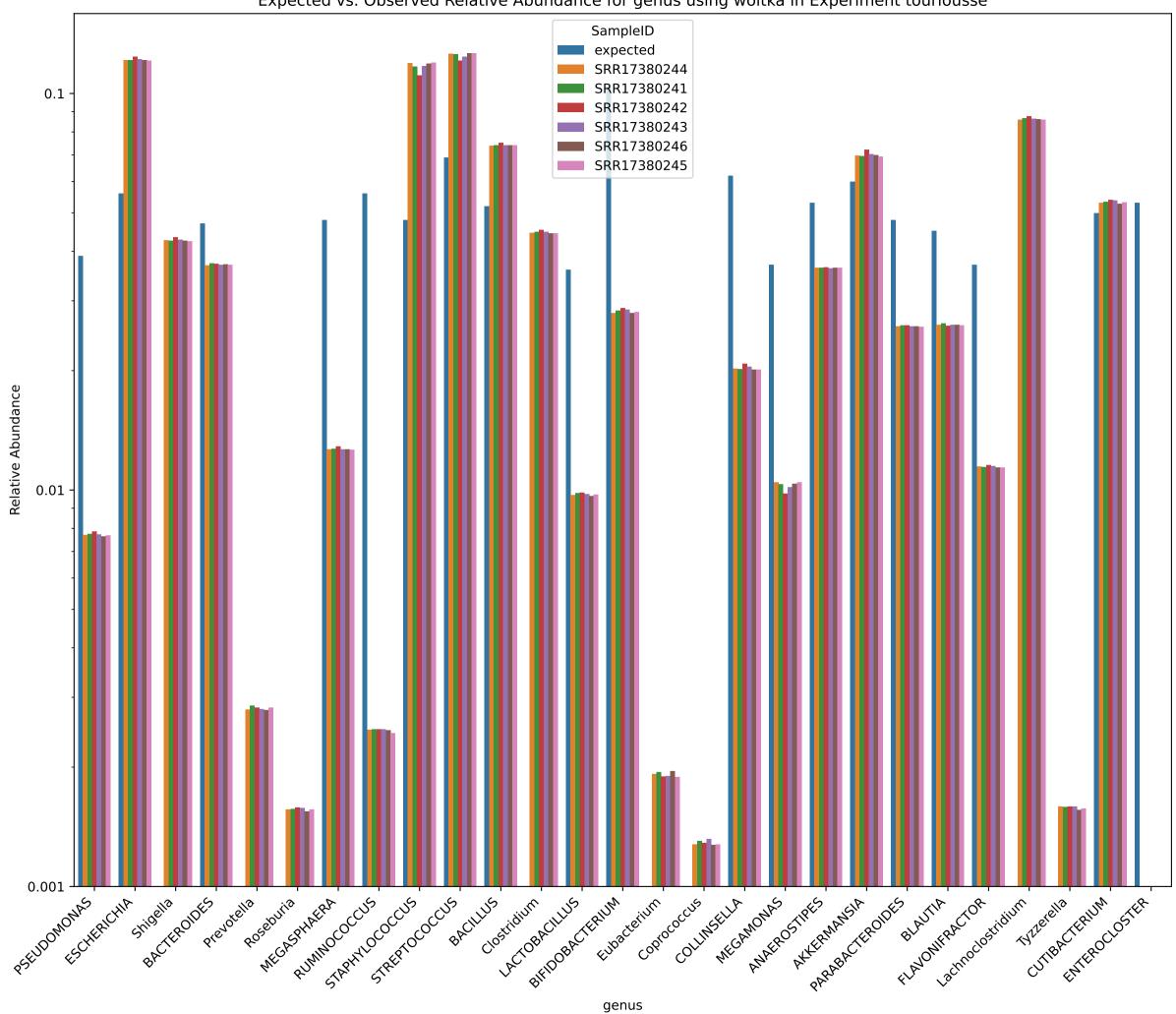
Expected vs. Observed Relative Abundance for genus using jams in Experiment tourlousse

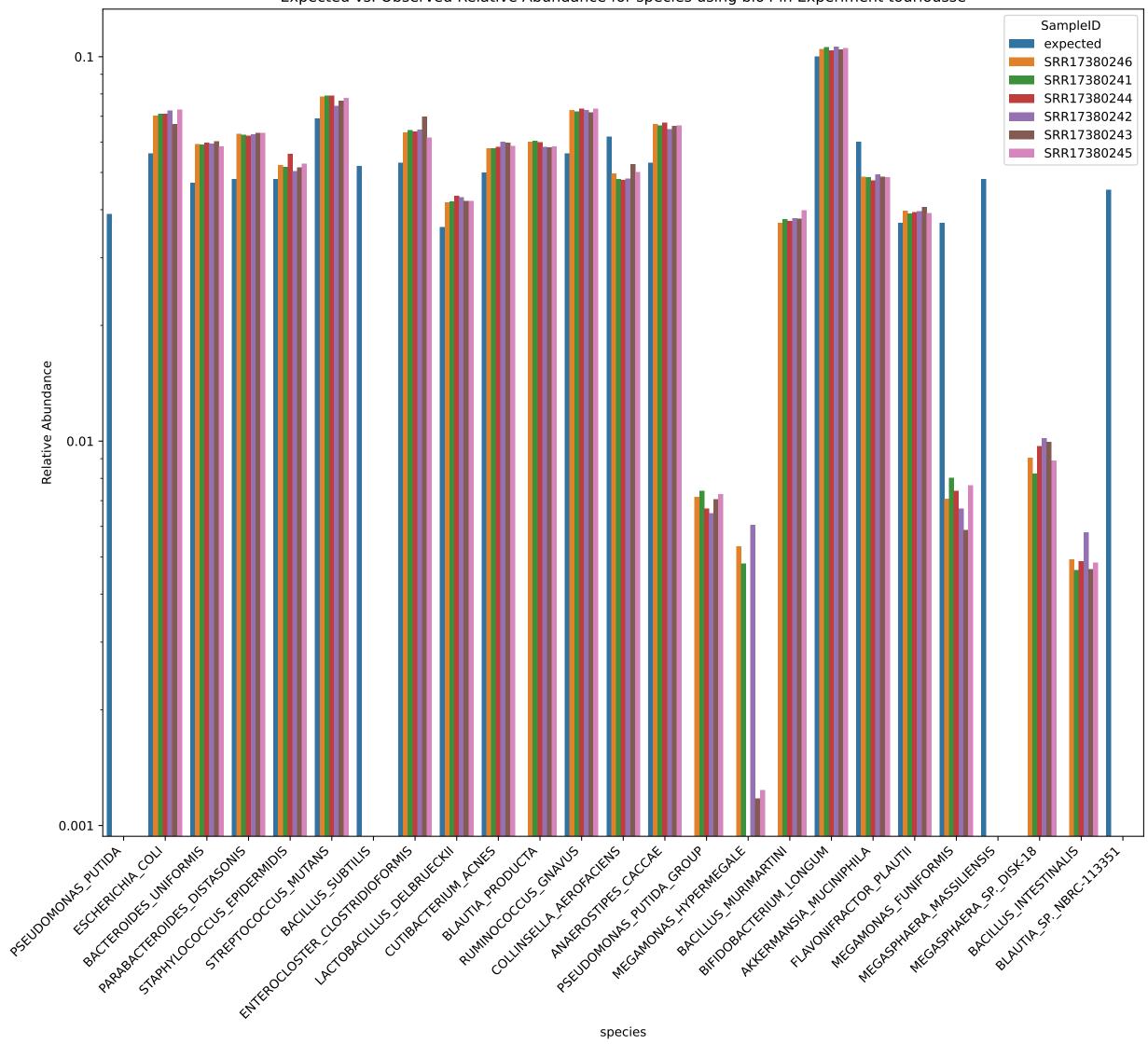


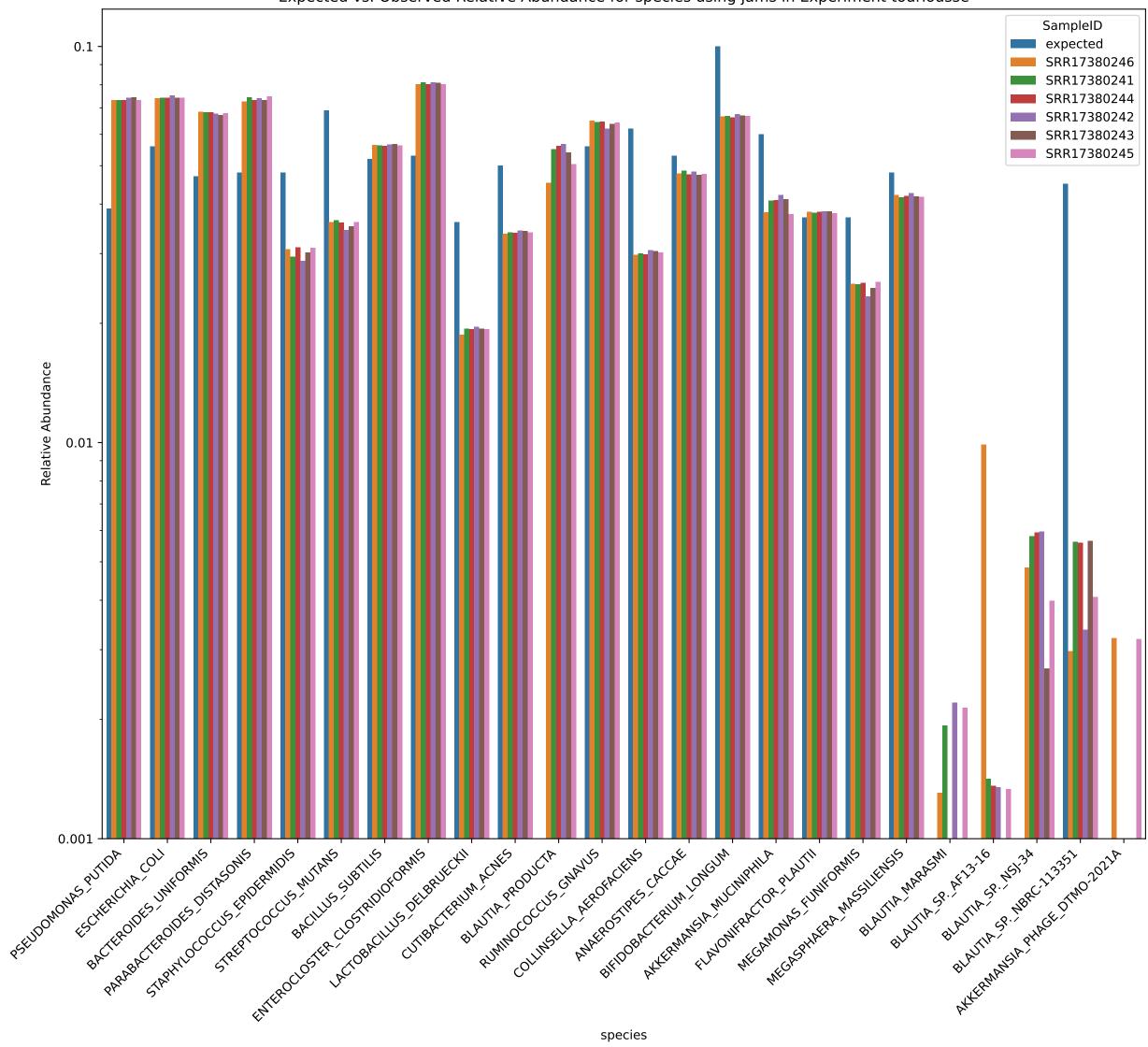
Expected vs. Observed Relative Abundance for genus using wgsa in Experiment tourlousse

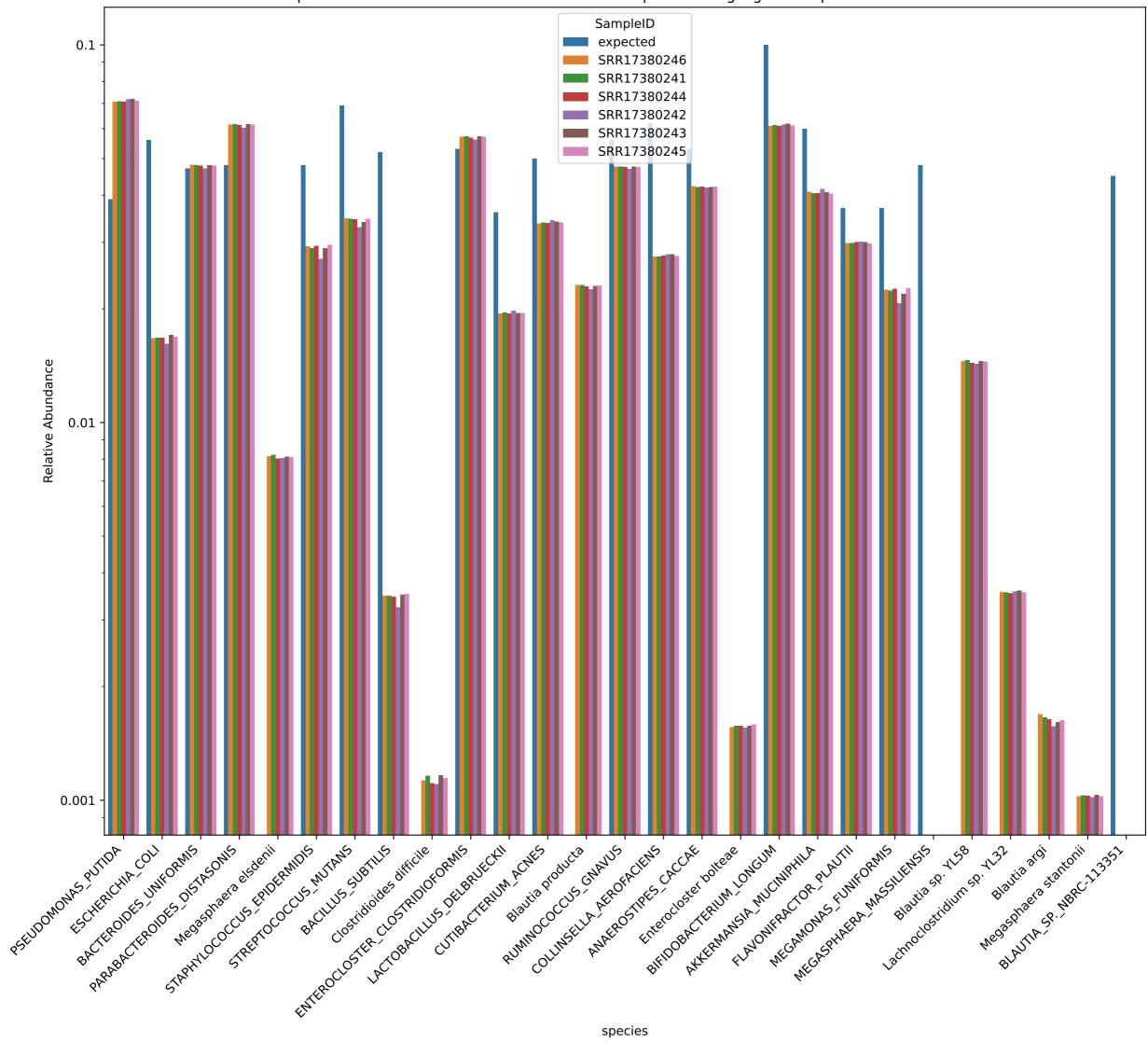


Expected vs. Observed Relative Abundance for genus using woltka in Experiment tourlousse

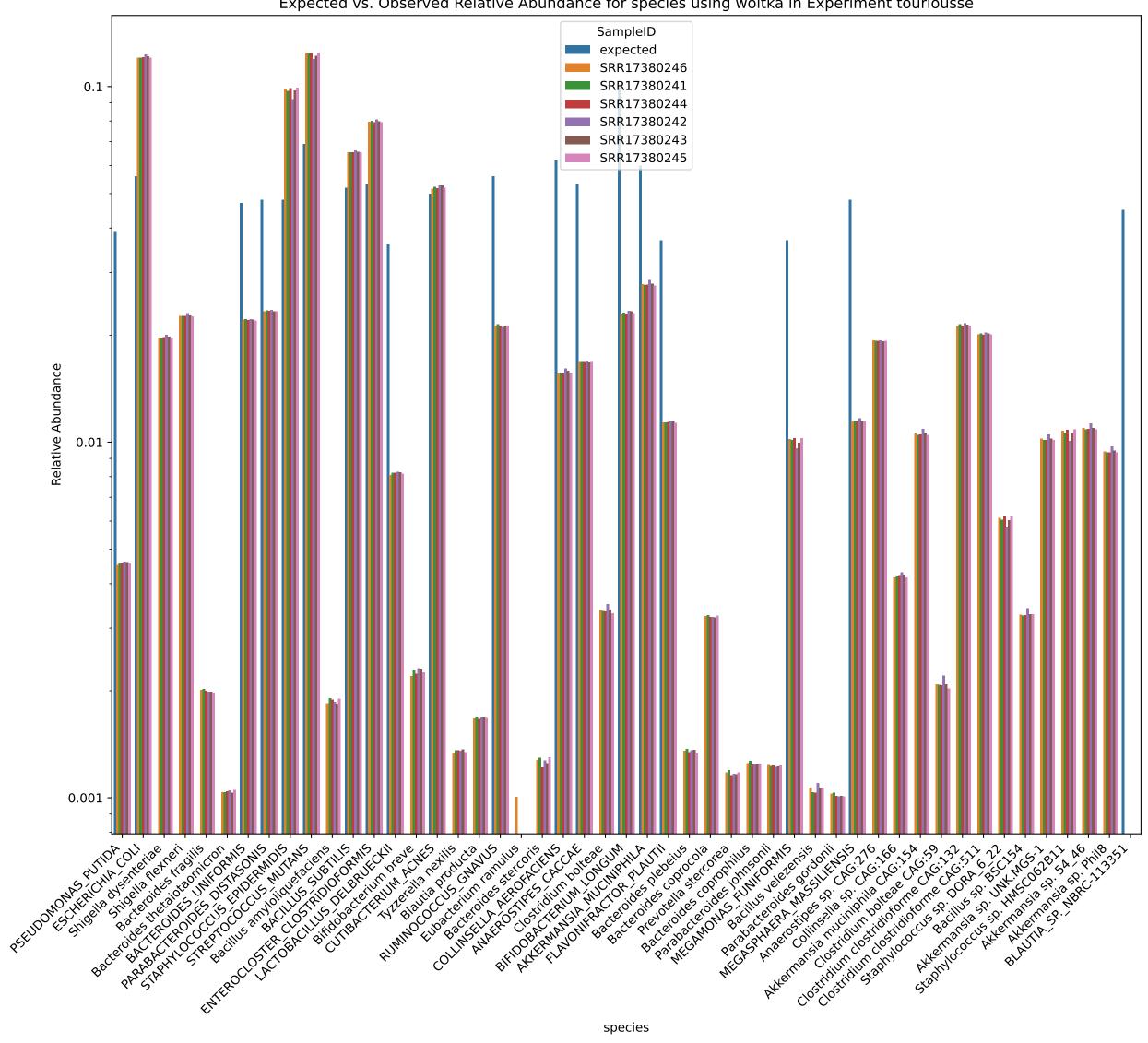


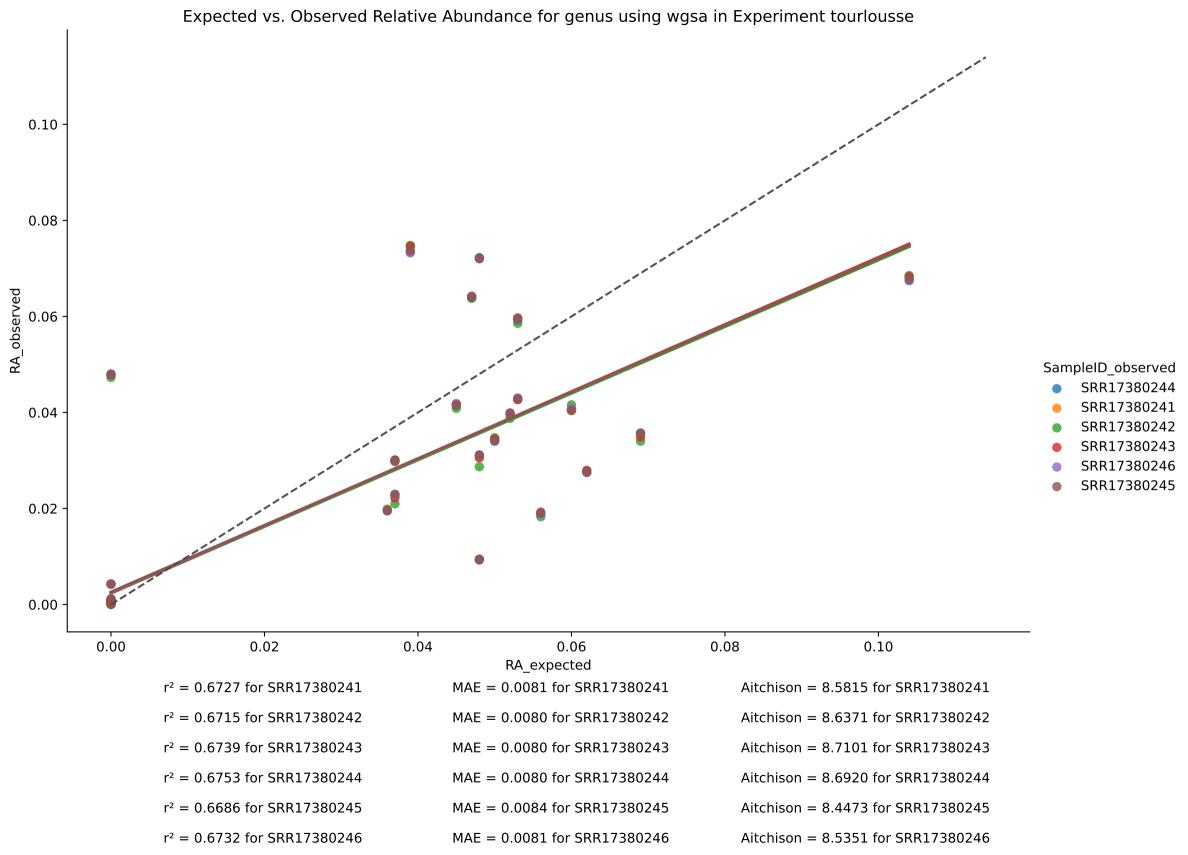


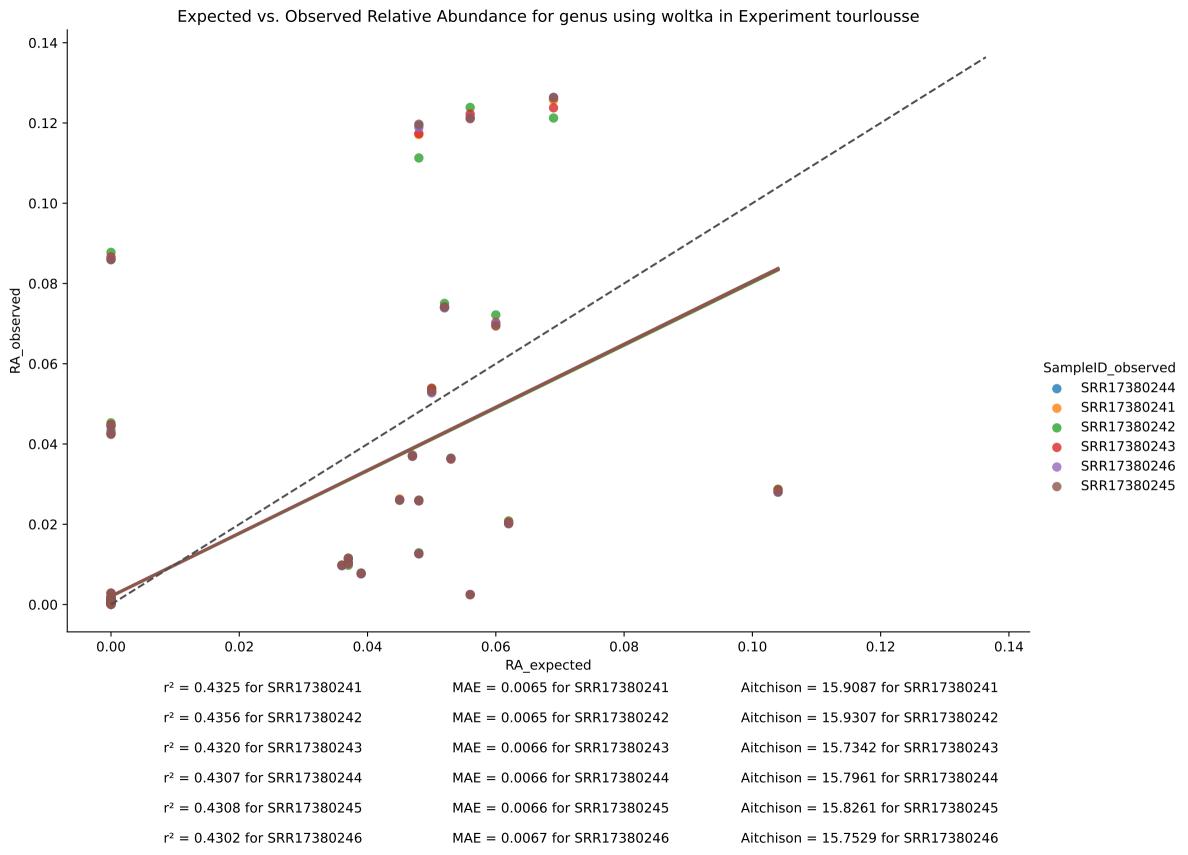


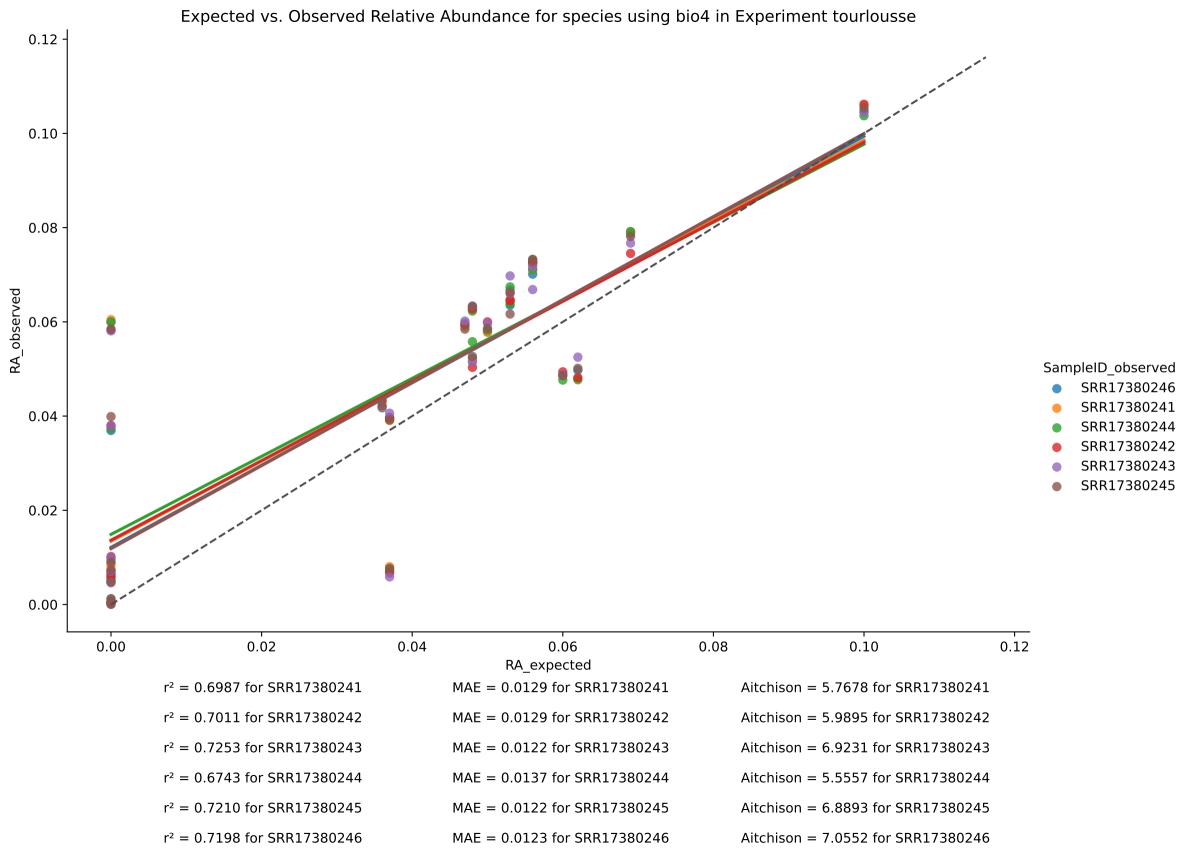


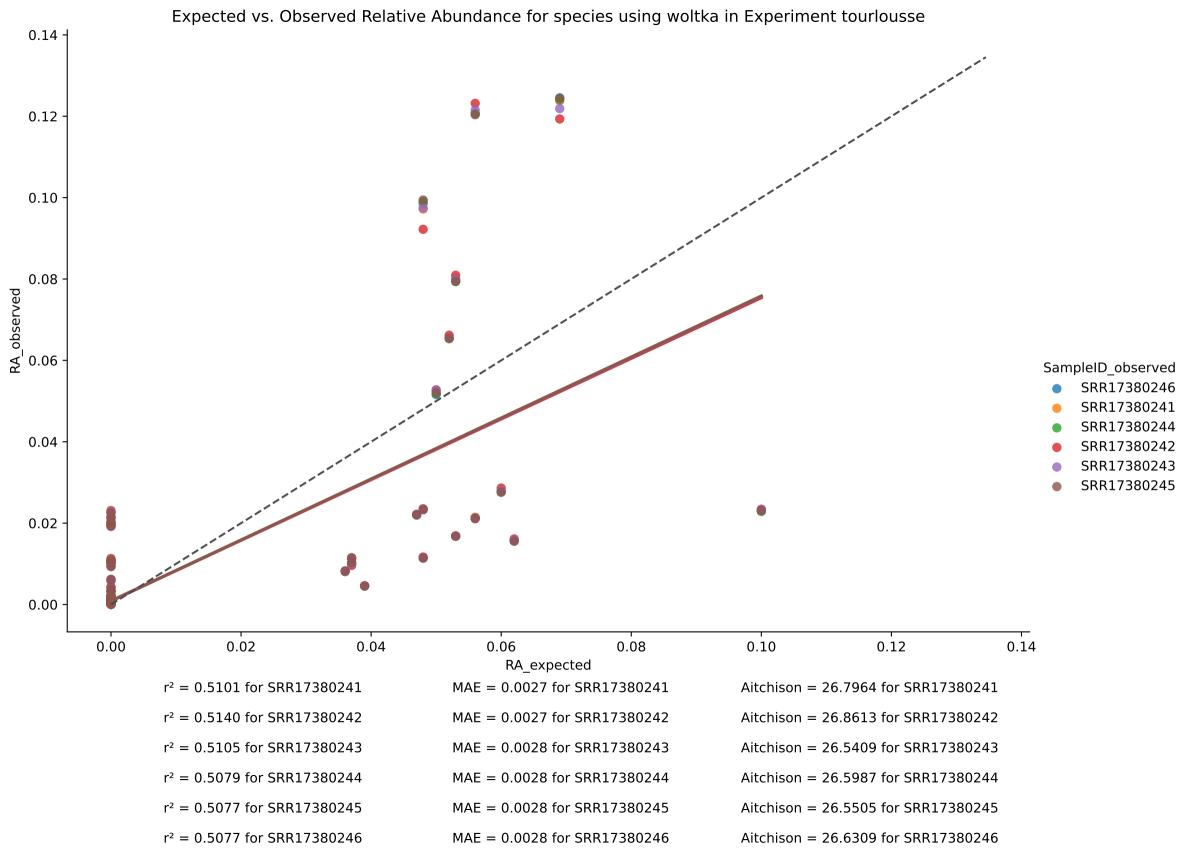
Expected vs. Observed Relative Abundance for species using woltka in Experiment tourlousse



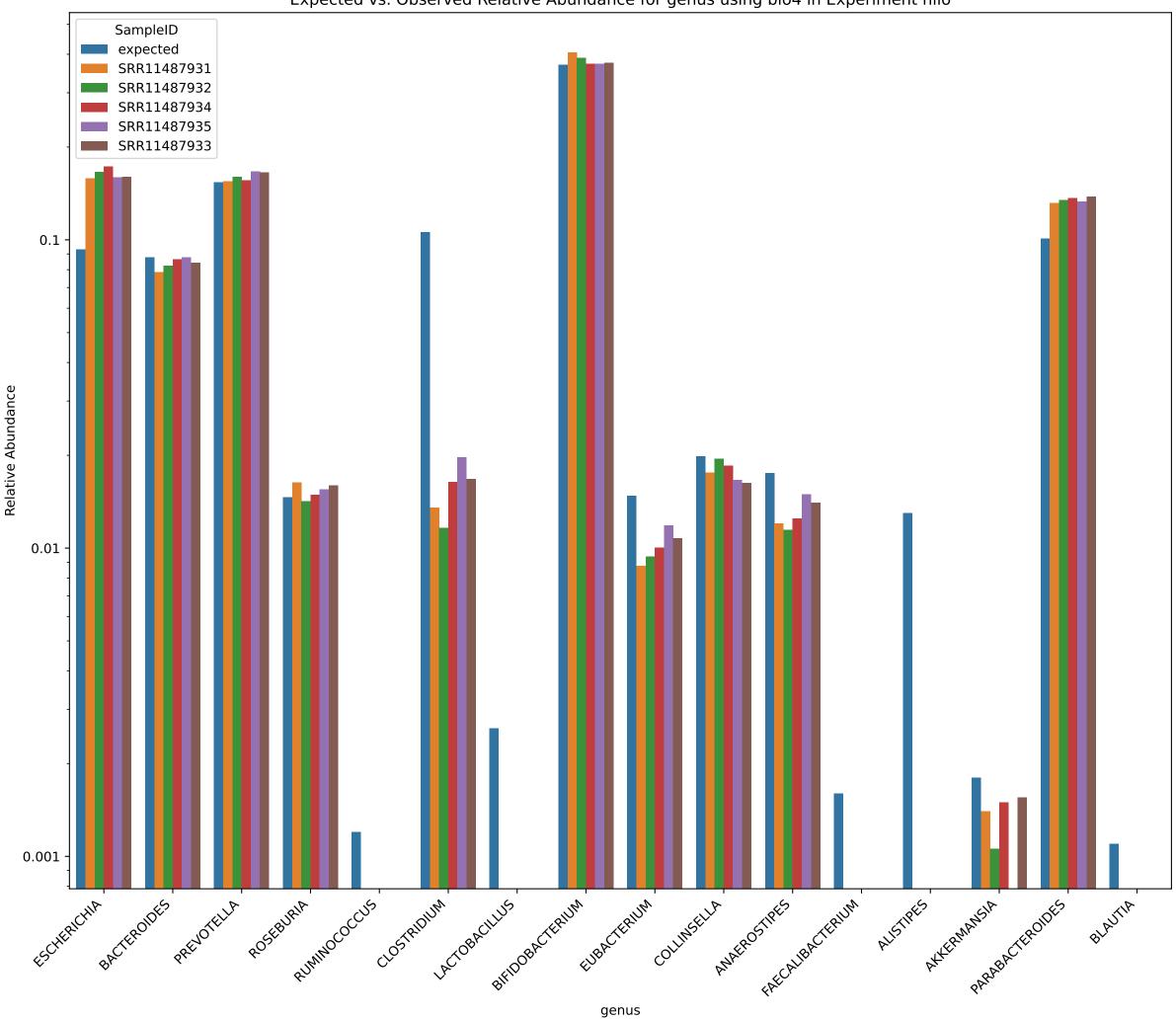




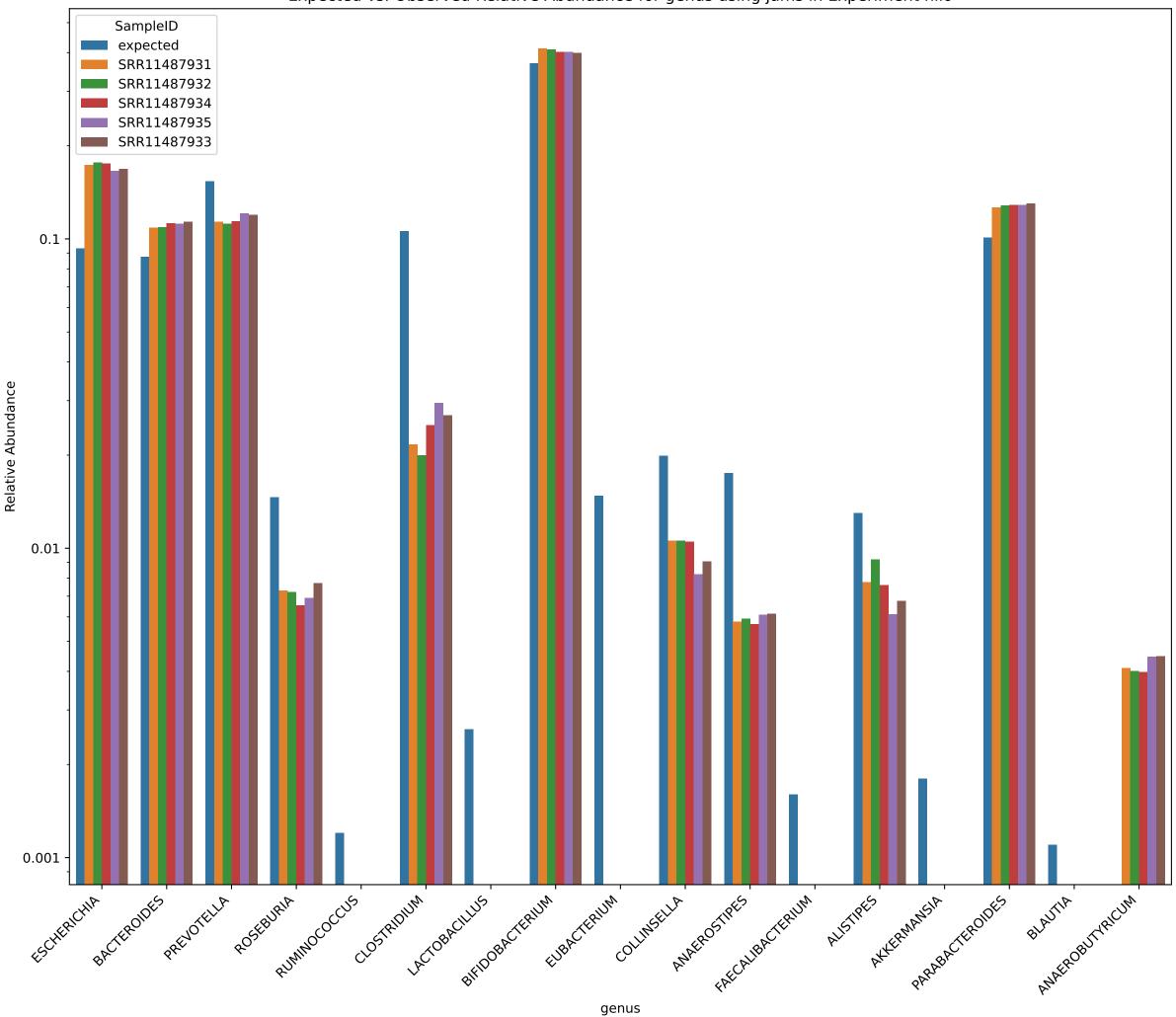




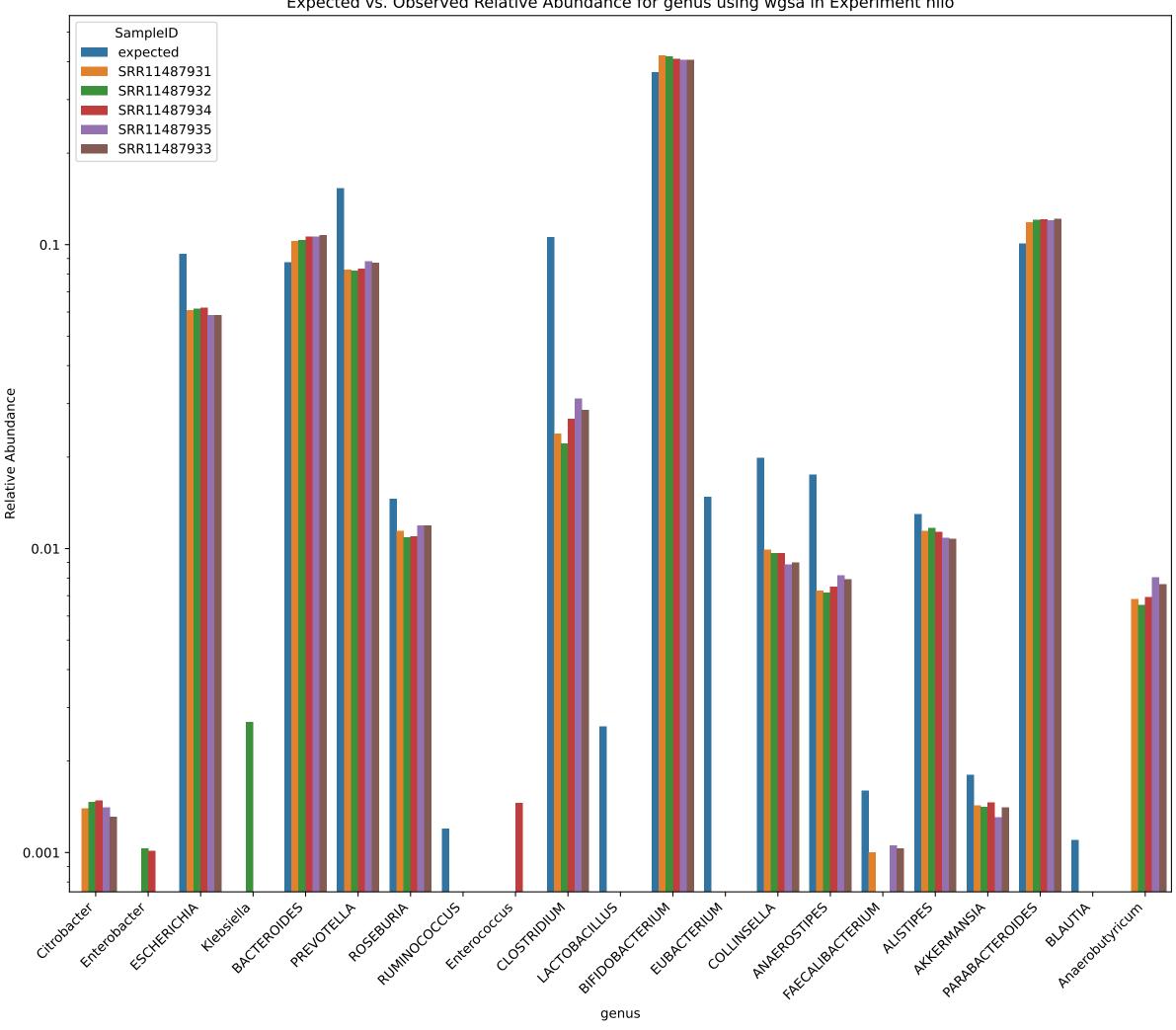
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment hilo



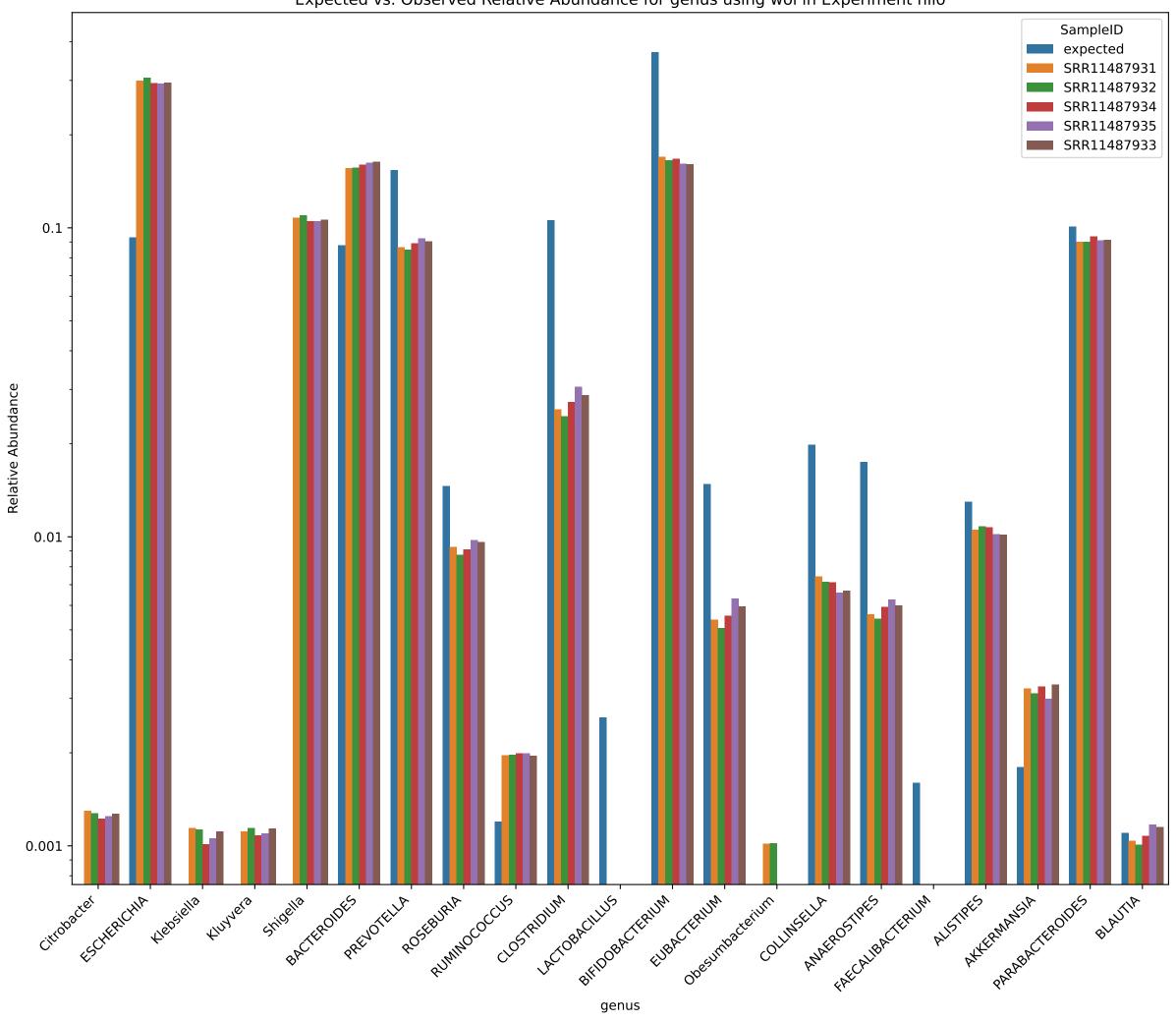
Expected vs. Observed Relative Abundance for genus using jams in Experiment hilo

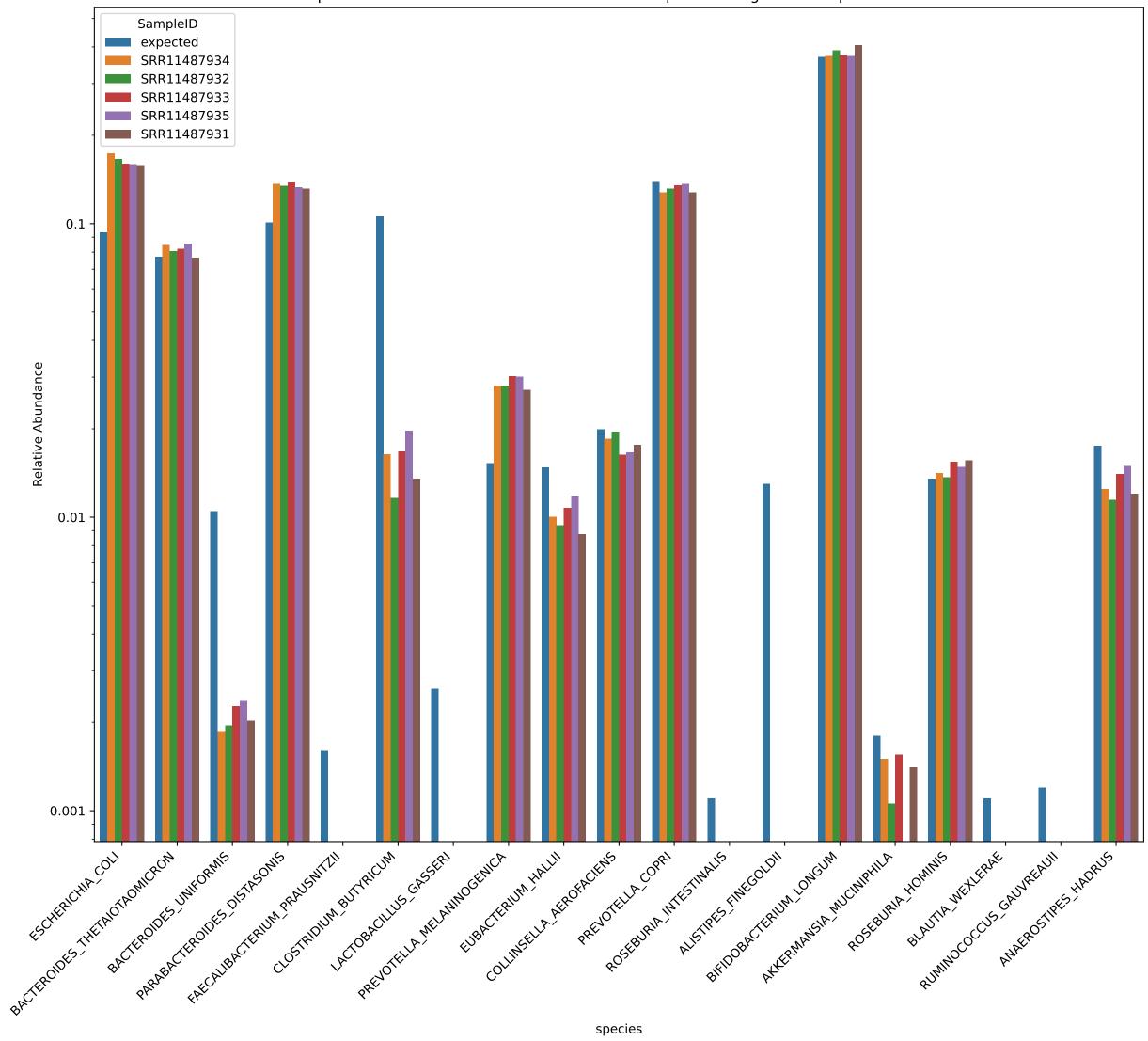


Expected vs. Observed Relative Abundance for genus using wgsa in Experiment hilo

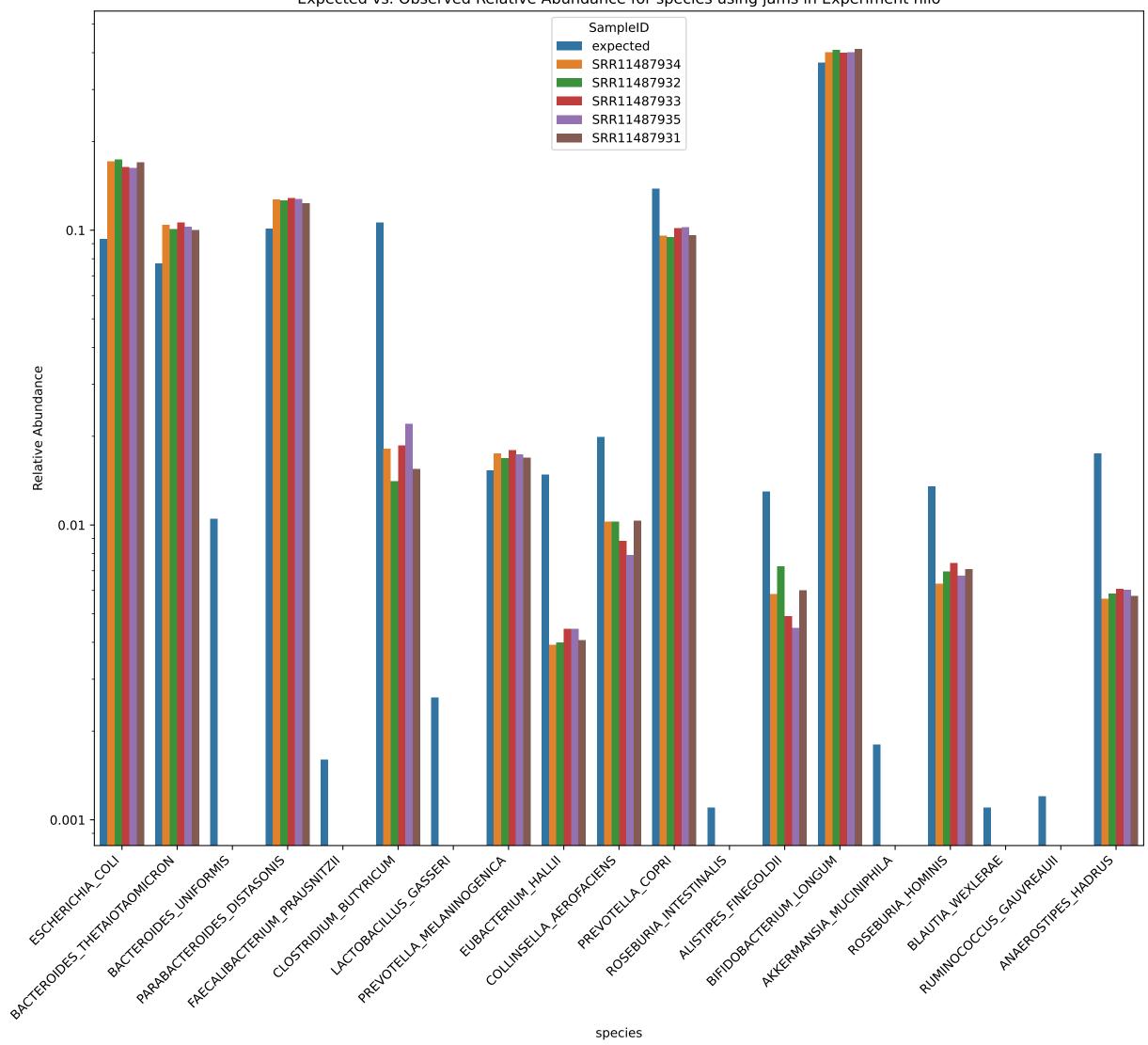


Expected vs. Observed Relative Abundance for genus using wol in Experiment hilo

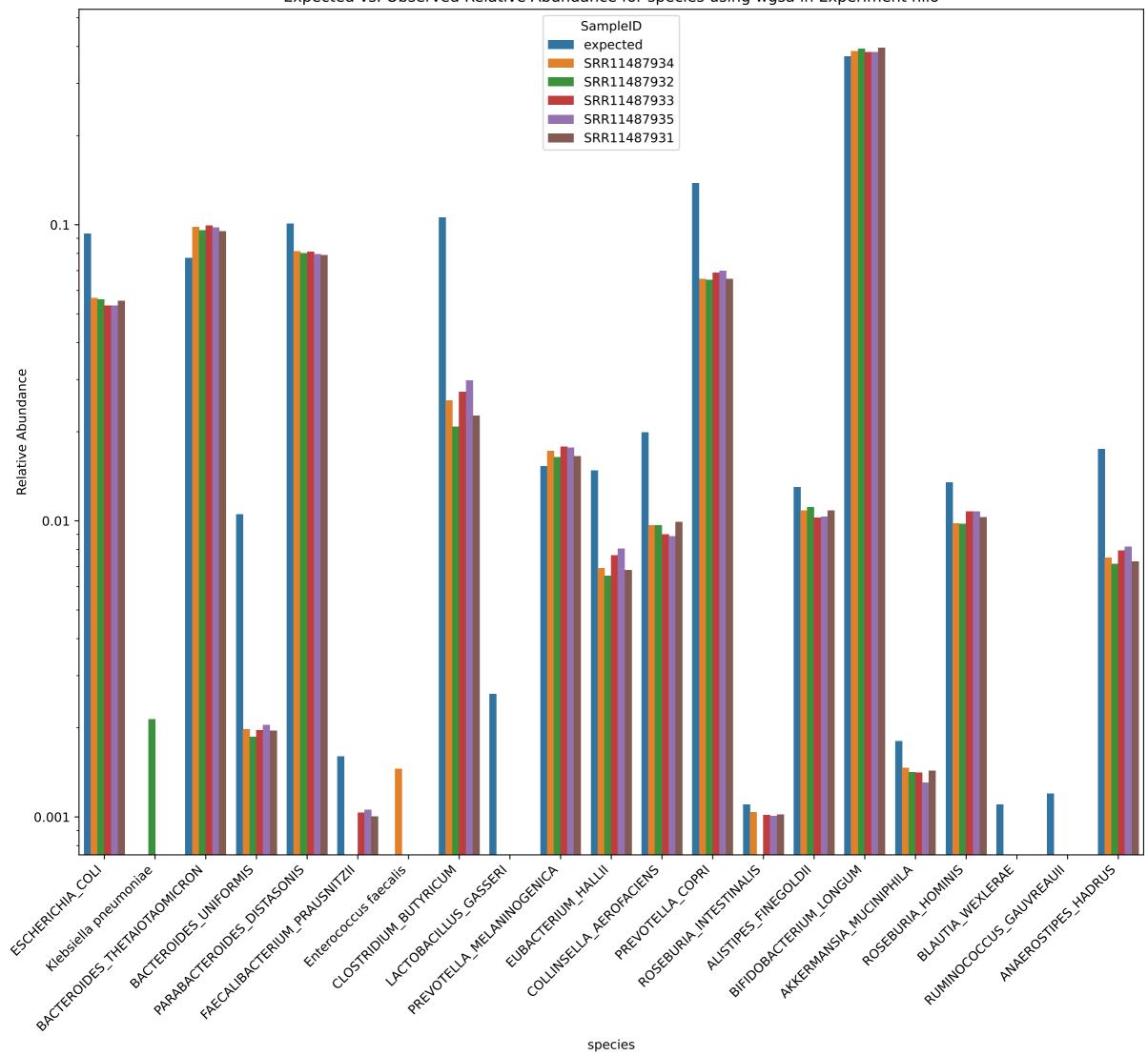


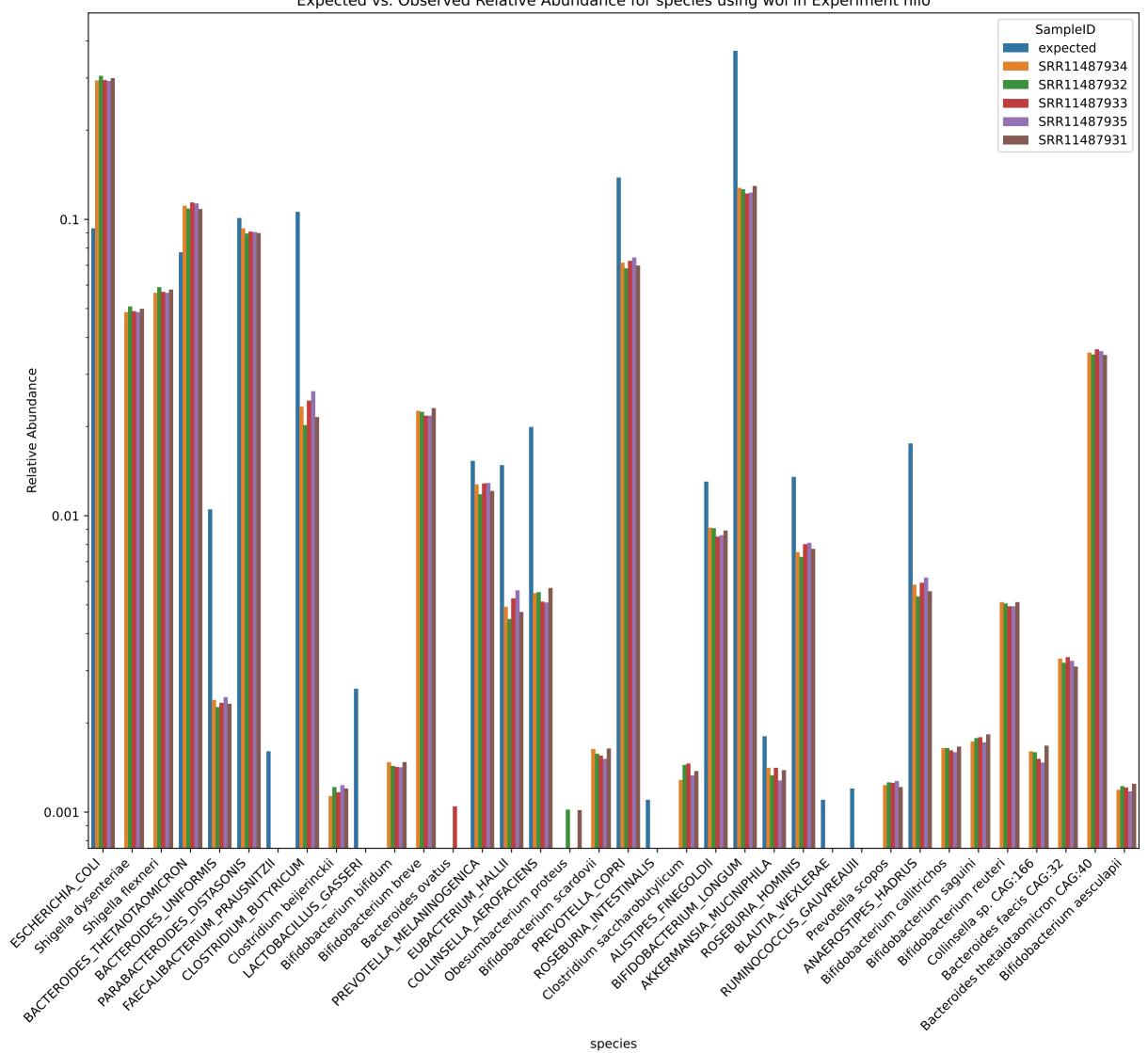


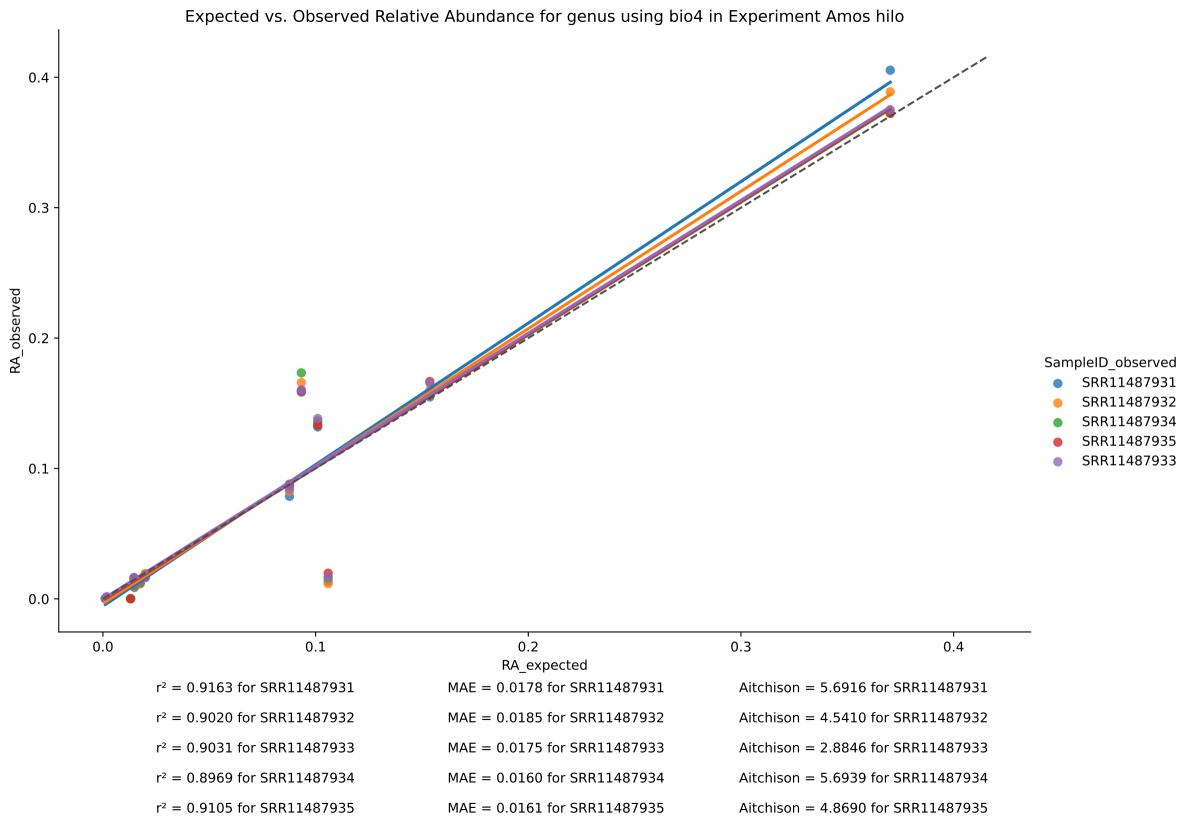
Expected vs. Observed Relative Abundance for species using jams in Experiment hilo

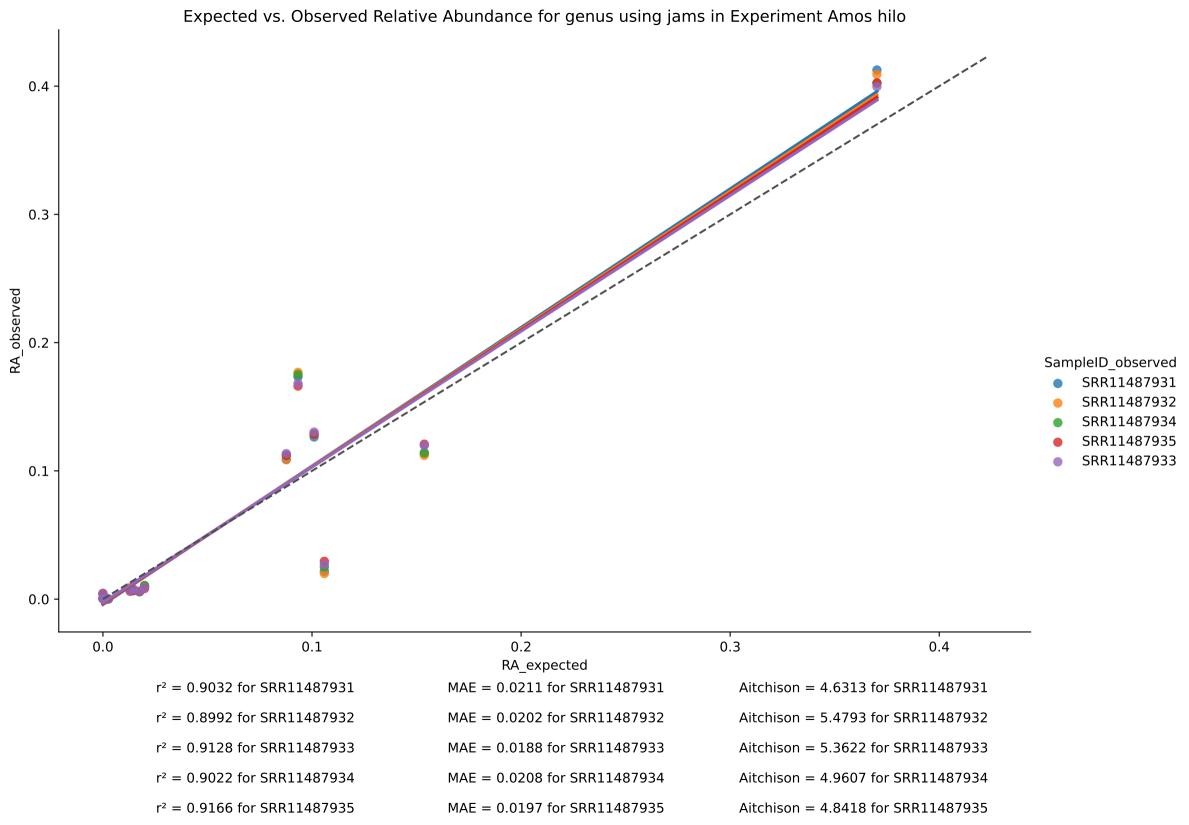


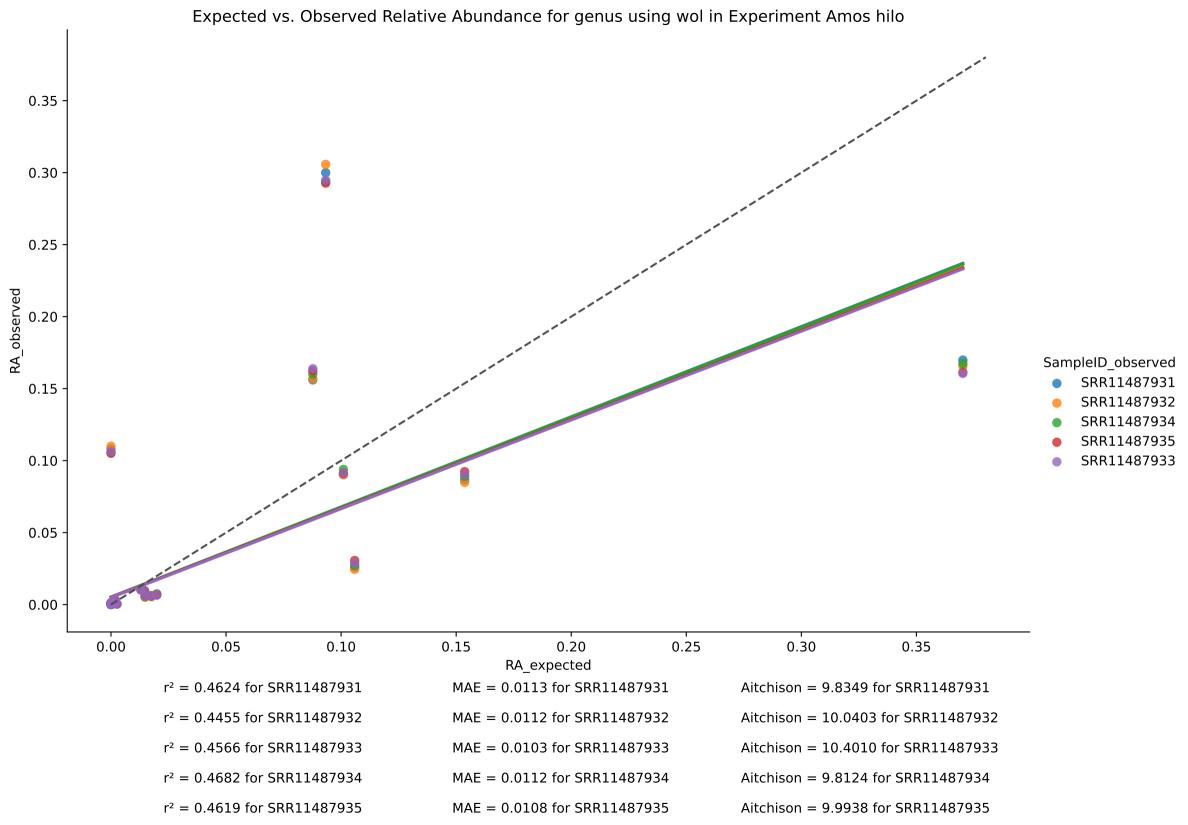
Expected vs. Observed Relative Abundance for species using wgsa in Experiment hilo

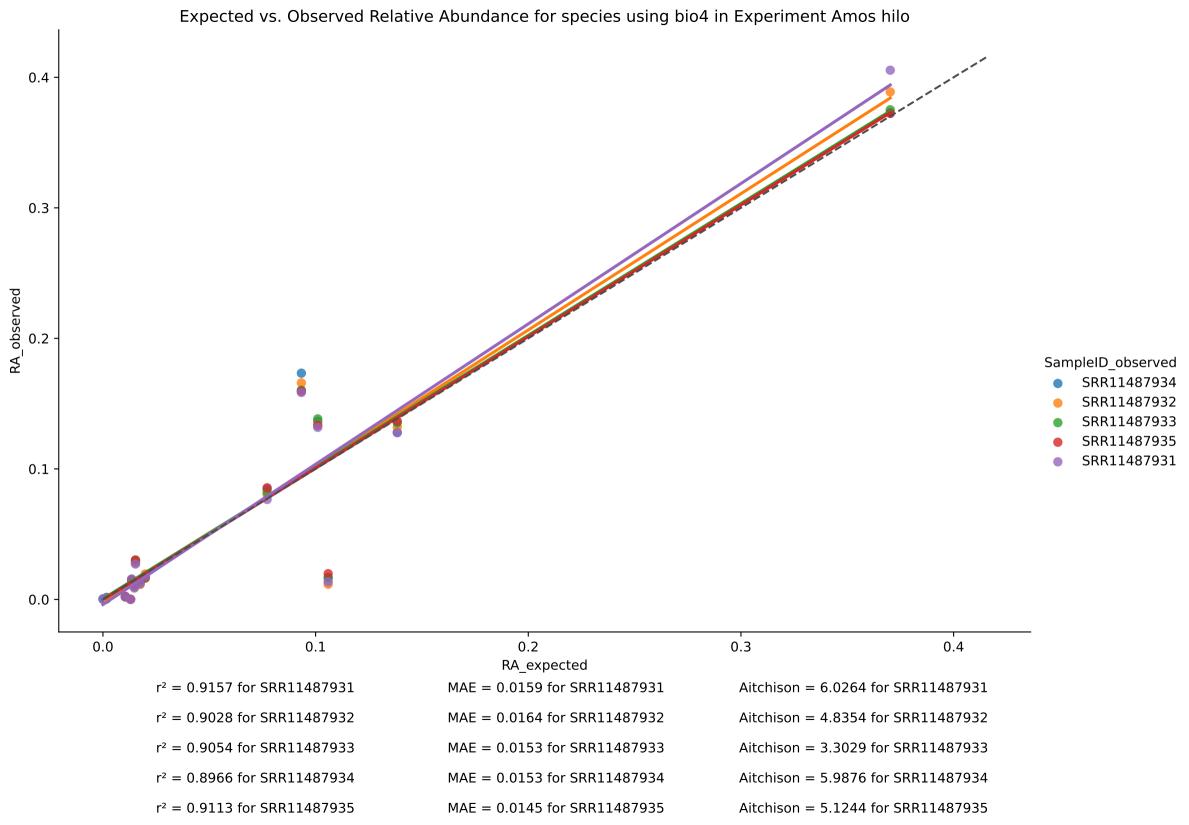


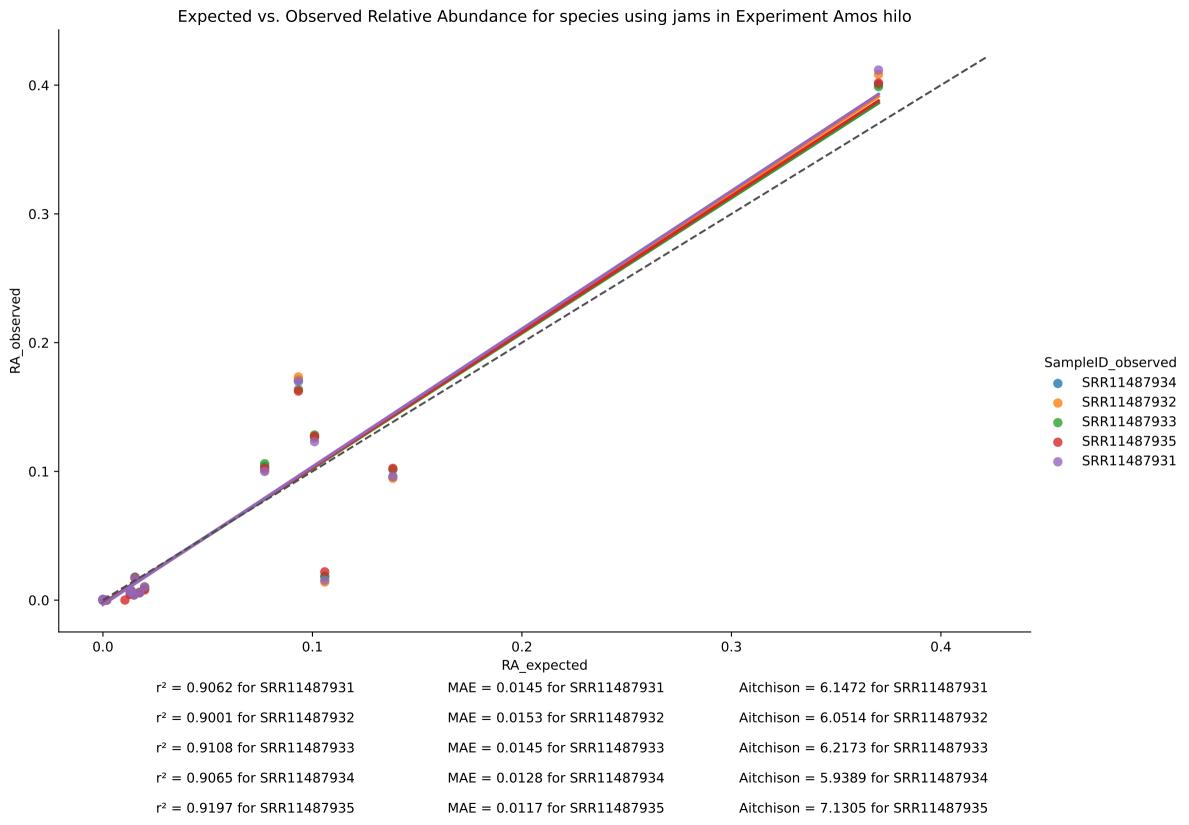


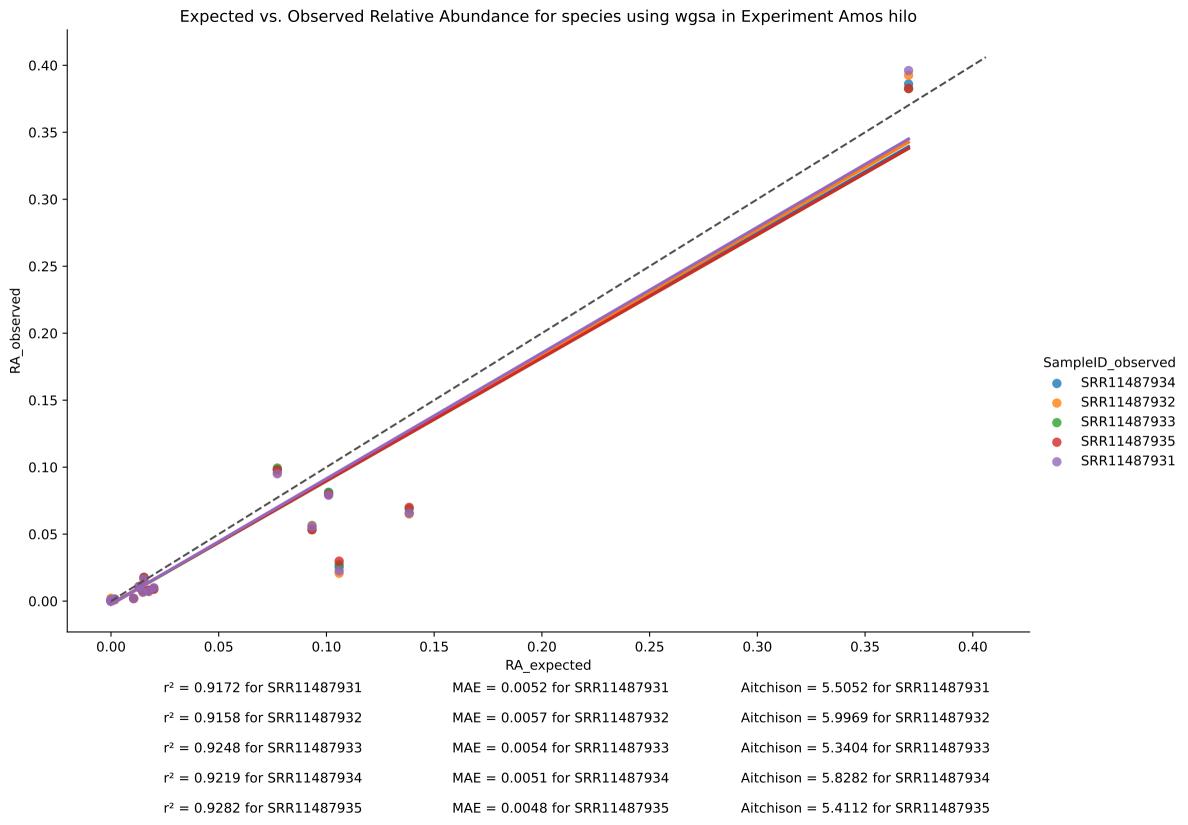


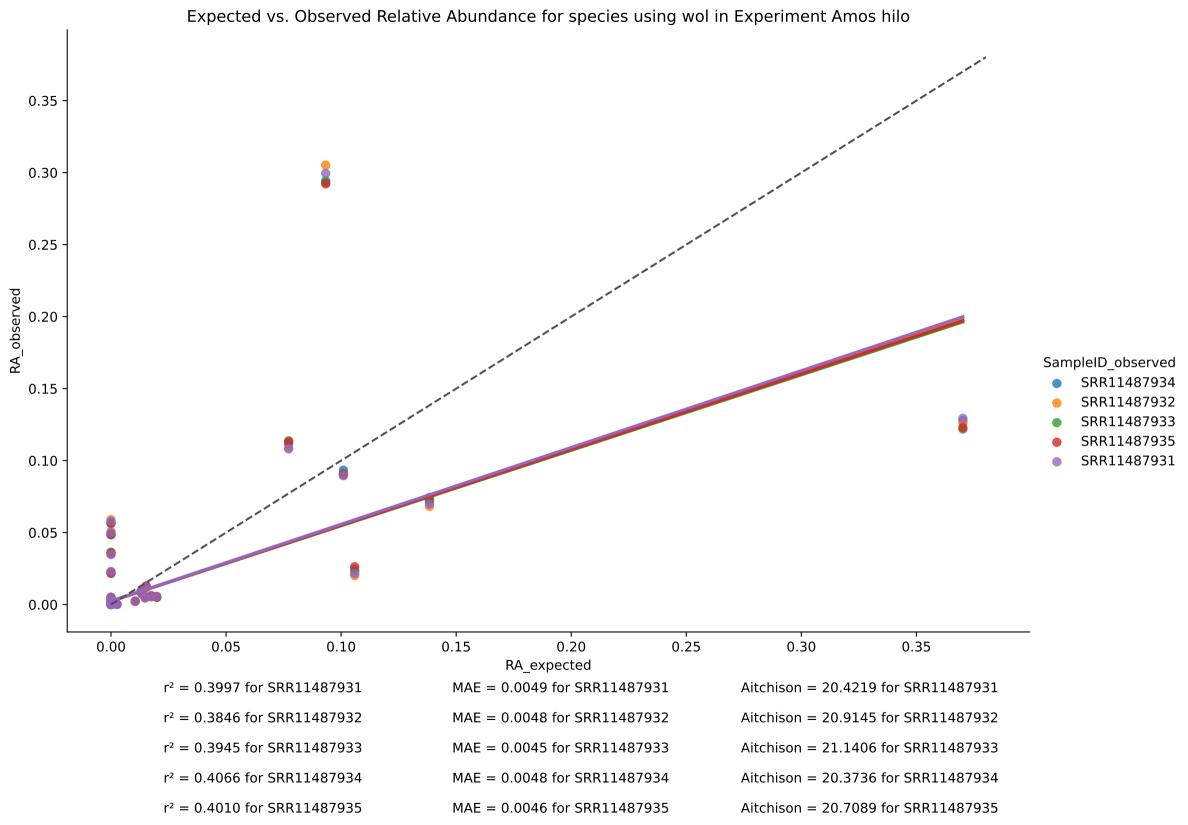




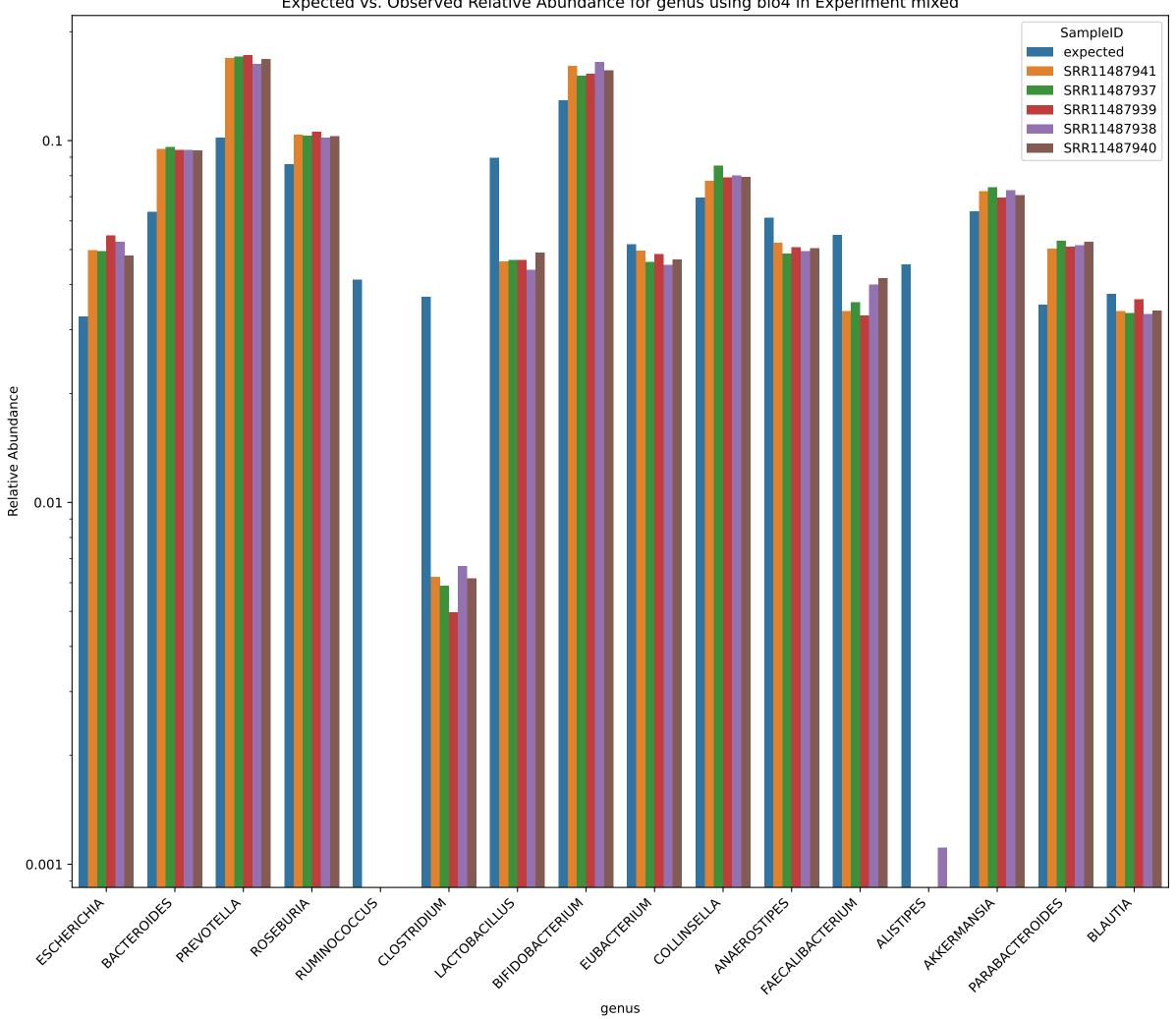




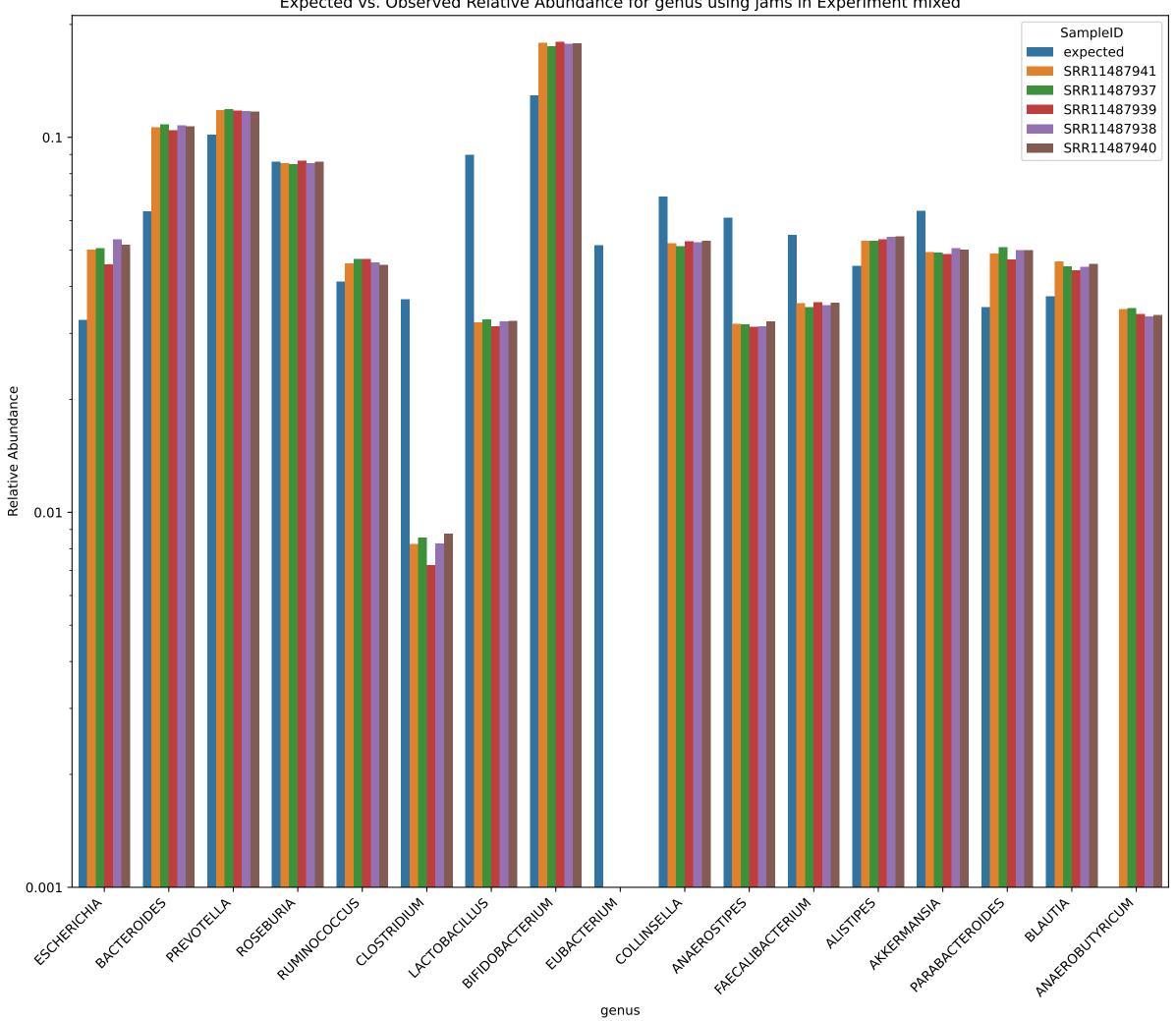




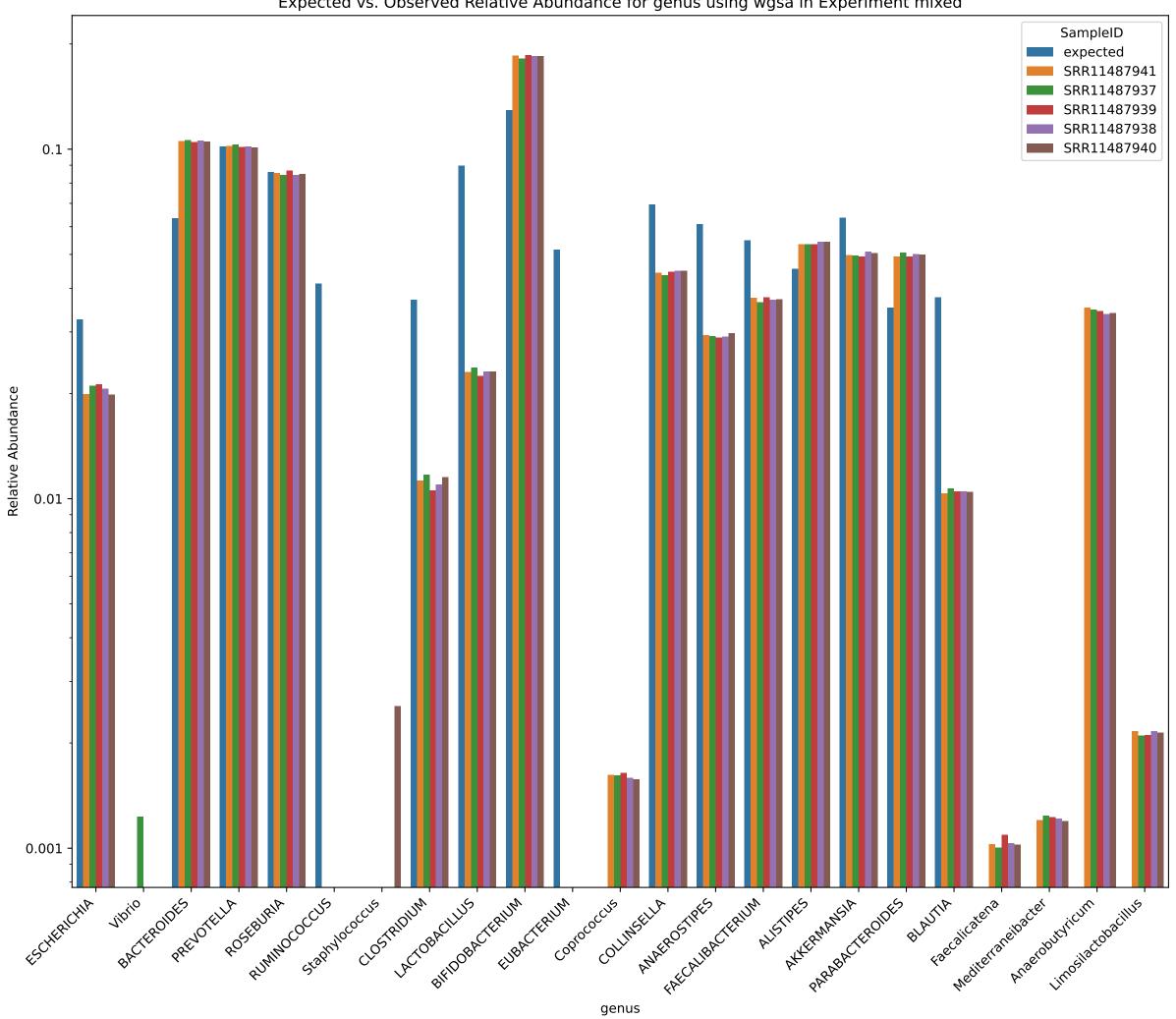
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment mixed



Expected vs. Observed Relative Abundance for genus using jams in Experiment mixed



Expected vs. Observed Relative Abundance for genus using wgsa in Experiment mixed



Expected vs. Observed Relative Abundance for genus using wol in Experiment mixed

