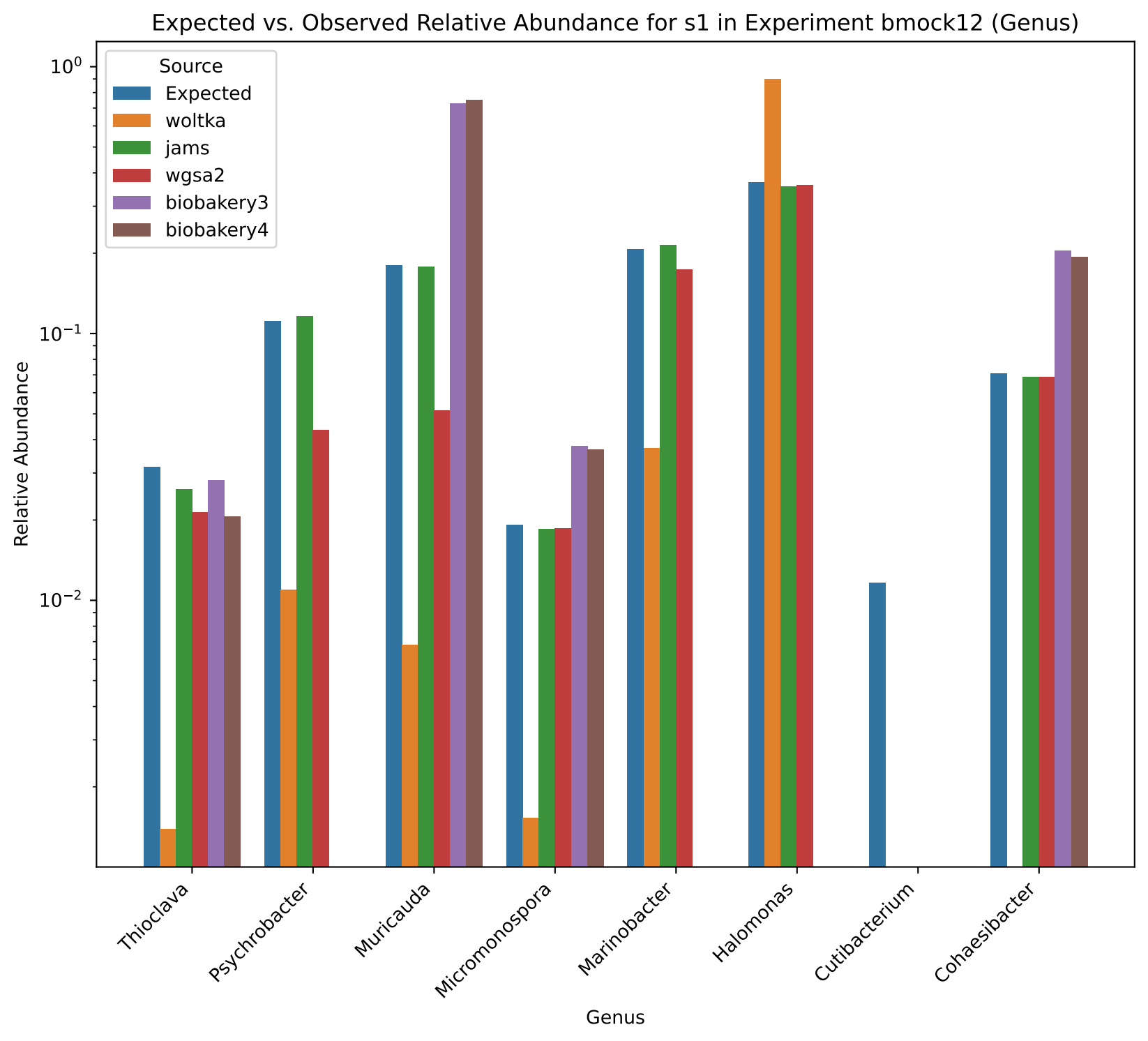
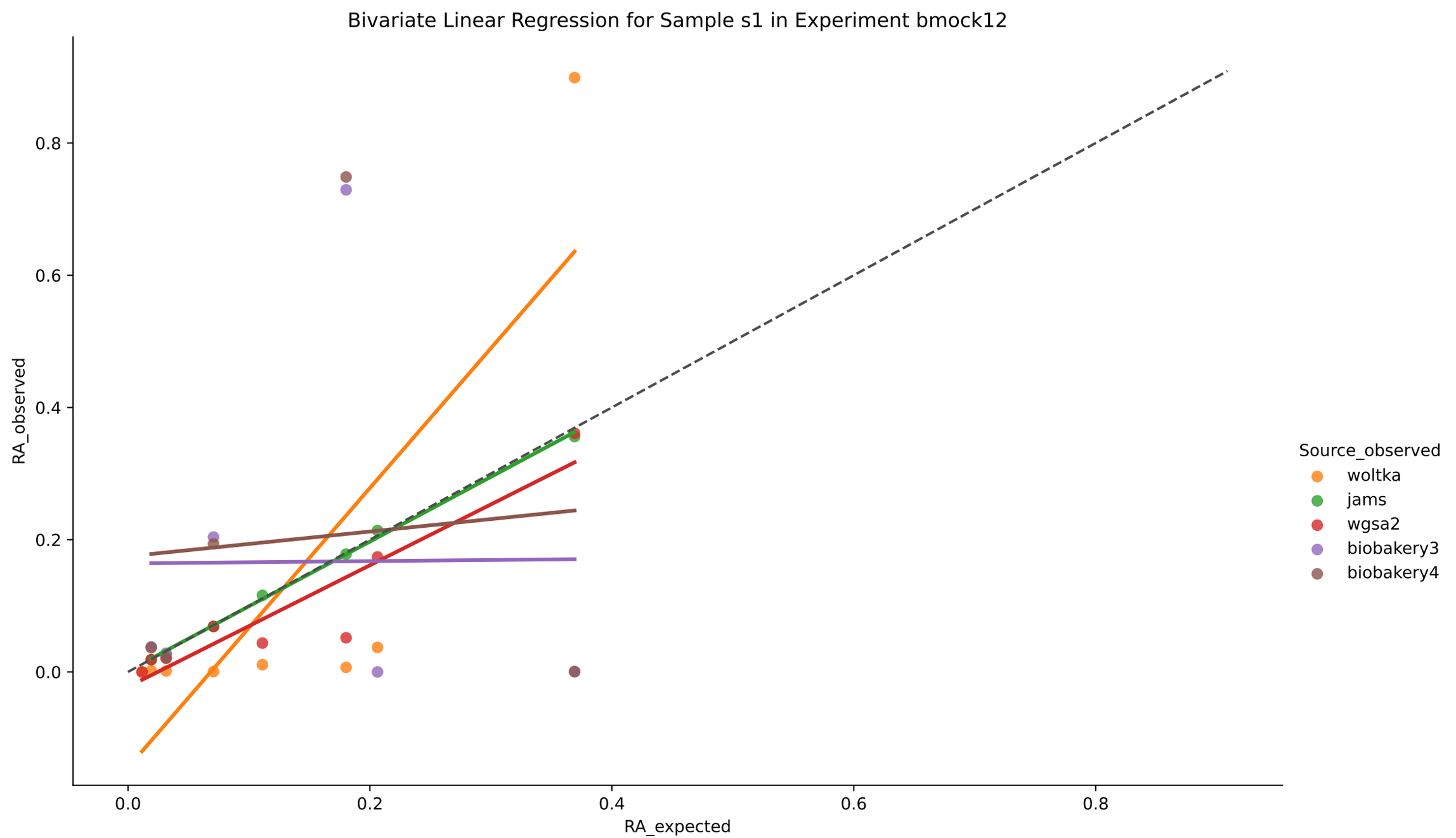
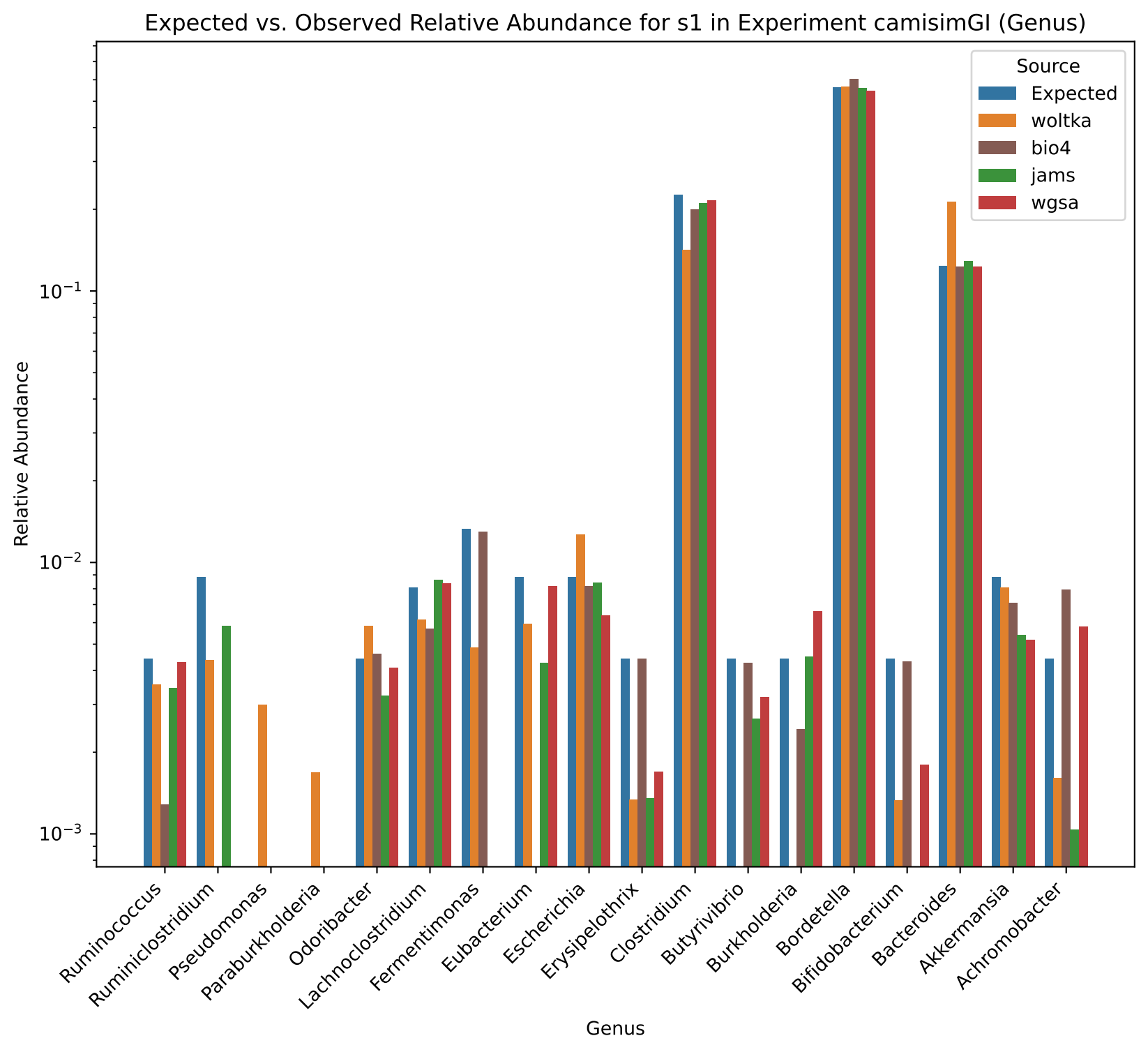
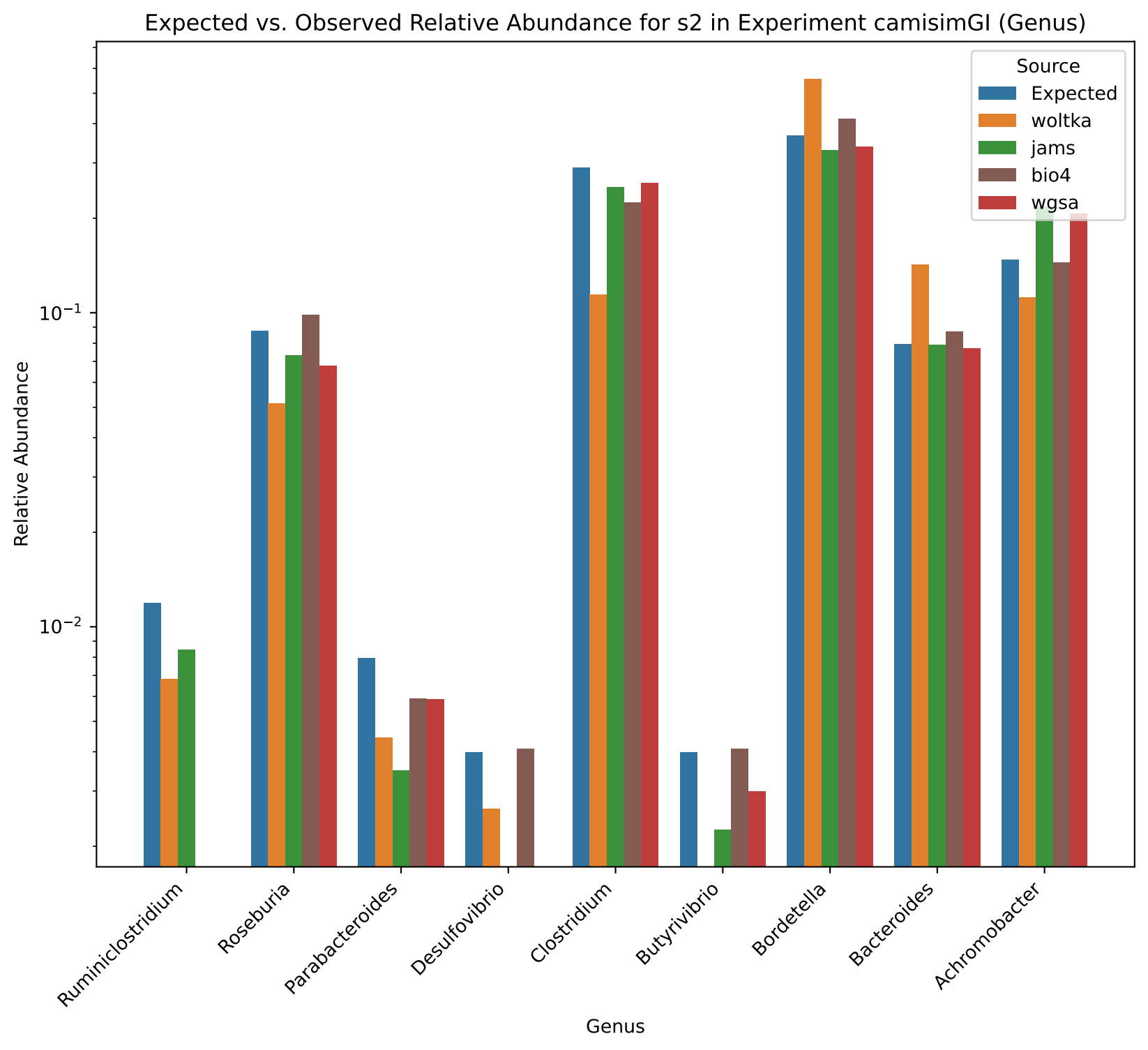
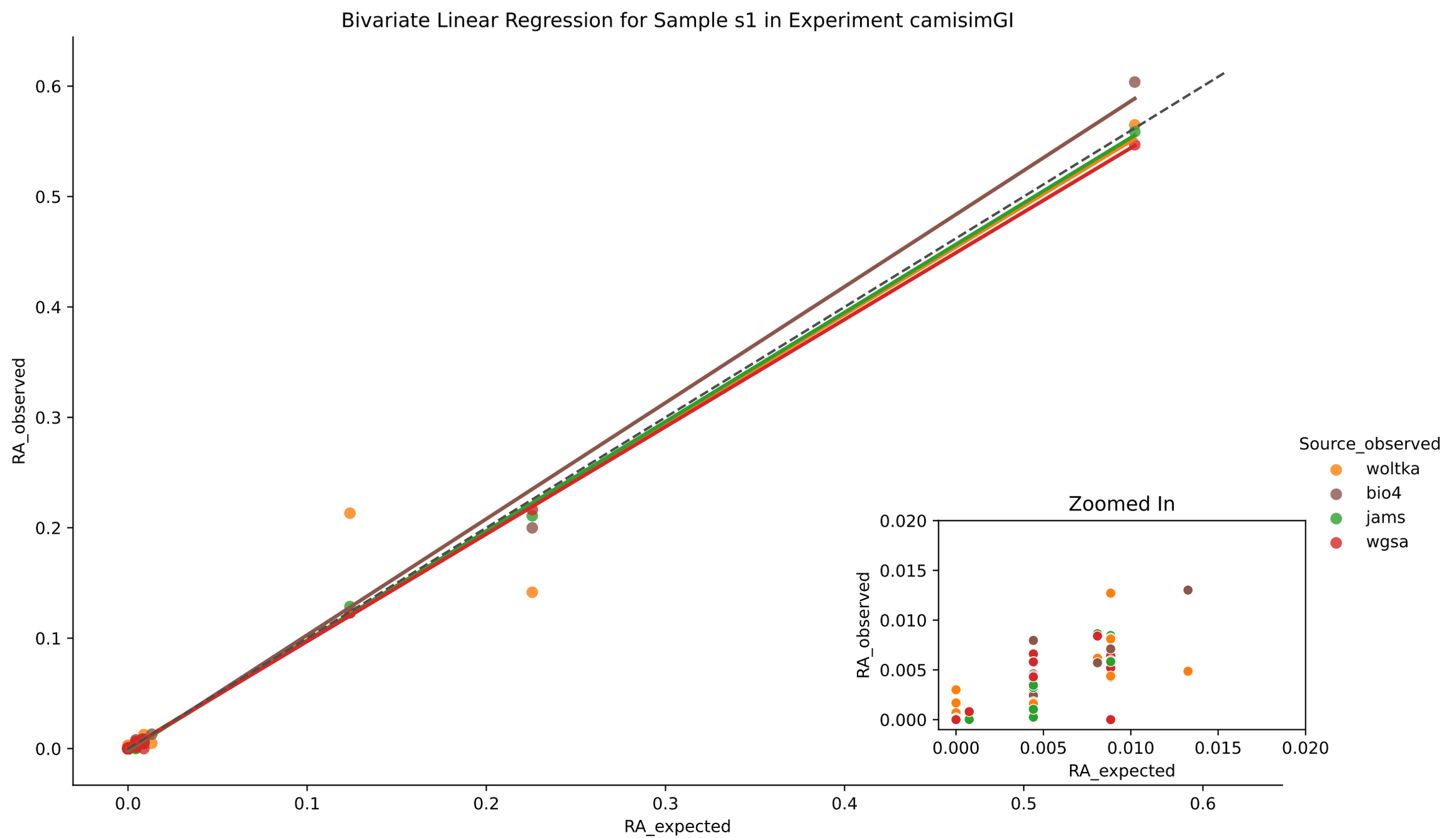

Expected vs. Observed Relative Abundance for s1 in Experiment bmock12 (Genus)
Source
Expected
woltka
jams
wgsa2
biobakery3
biobakery4
Relative Abundance
10^{0}
10^{-1}
10^{-2}
Thioclava
Psychrobacter
Muricauda
Micromonospora
Marinobacter
Halomonas
Cutibacterium
Cohaesibacter
Genus



r² = 0.0001 for biobakery3	MAE = 0.2132 for biobakery3	Aitchison = 7.1841 for biobakery3
r² = 0.0075 for biobakery4	MAE = 0.2177 for biobakery4	Aitchison = 5.7393 for biobakery4
r² = 0.9973 for jams	MAE = 0.0051 for jams	Aitchison = 0.1828 for jams
r² = 0.8702 for wgsa2	MAE = 0.0326 for wgsa2	Aitchison = 2.3350 for wgsa2
r² = 0.6766 for woltka	MAE = 0.1378 for woltka	Aitchison = 3.7098 for woltka


Expected vs. Observed Relative Abundance for s1 in Experiment camisimGI (Genus)
Source
Expected
woltka
bio4
jams
wgsa
Relative Abundance
10^{-1}
10^{-2}
10^{-3}
Ruminococcus
Ruminiclostridium
Pseudomonas
Paraburkholderia
Odoribacter
Lachnoclostridium
Fermentimonas
Eubacterium
Escherichia
Erysipelothrix
Clostridium
Butyrivibrio
Burkholderia
Bordetella
Bifidobacterium
Bacteroides
Akkermansia
Achromobacter
Genus


Expected vs. Observed Relative Abundance for s2 in Experiment camisimGI (Genus)
Source
Expected
woltka
jams
bio4
wgsa
Relative Abundance
10^{-1}
10^{-2}
Ruminiclostridium
Roseburia
Parabacteroides
Desulfovibrio
Clostridium
Butyrivibrio
Bordetella
Bacteroides
Achromobacter
Genus



r² = 0.9958 for bio4

r² = 0.9993 for jams

r² = 0.9996 for wgsa

r² = 0.9595 for woltka

MAE = 0.0046 for bio4

MAE = 0.0018 for jams

MAE = 0.0004 for wgsa

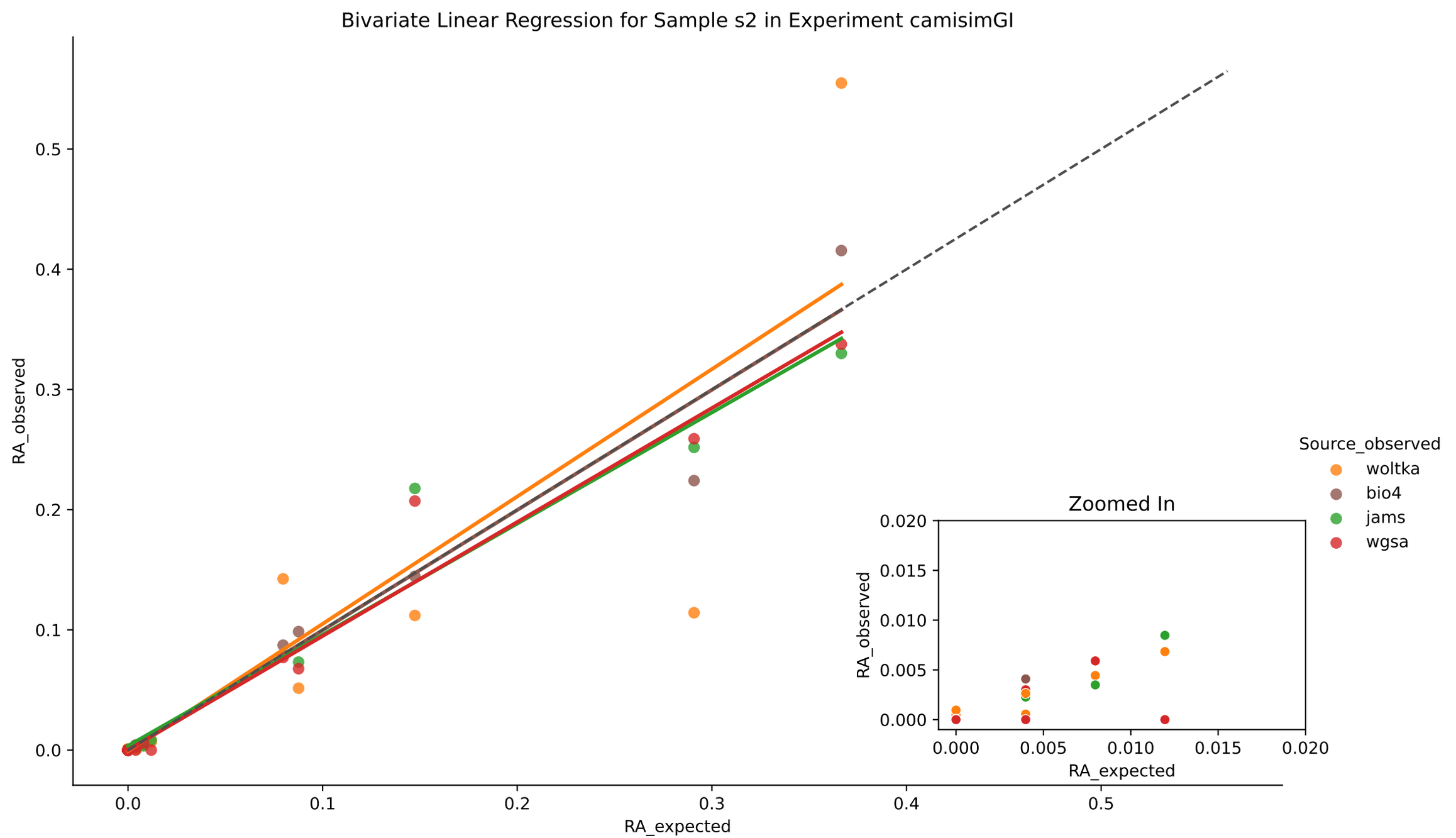
MAE = 0.0026 for woltka

Aitchison = 1.1135 for bio4

Aitchison = 1.9864 for jams

Aitchison = 2.6271 for wgsa

Aitchison = 3.4267 for woltka



r^2 = 0.9661 for bio4	MAE = 0.0077 for bio4	Aitchison = 0.4143 for bio4
r^2 = 0.9564 for jams	MAE = 0.0131 for jams	Aitchison = 0.8966 for jams
r^2 = 0.9765 for wgsa	MAE = 0.0016 for wgsa	Aitchison = 3.0414 for wgsa
r^2 = 0.7889 for woltka	MAE = 0.0072 for woltka	Aitchison = 2.2745 for woltka

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

SampleID
expected
srr17380244
srr17380242
srr17380241
srr17380243
srr17380245
srr17380246

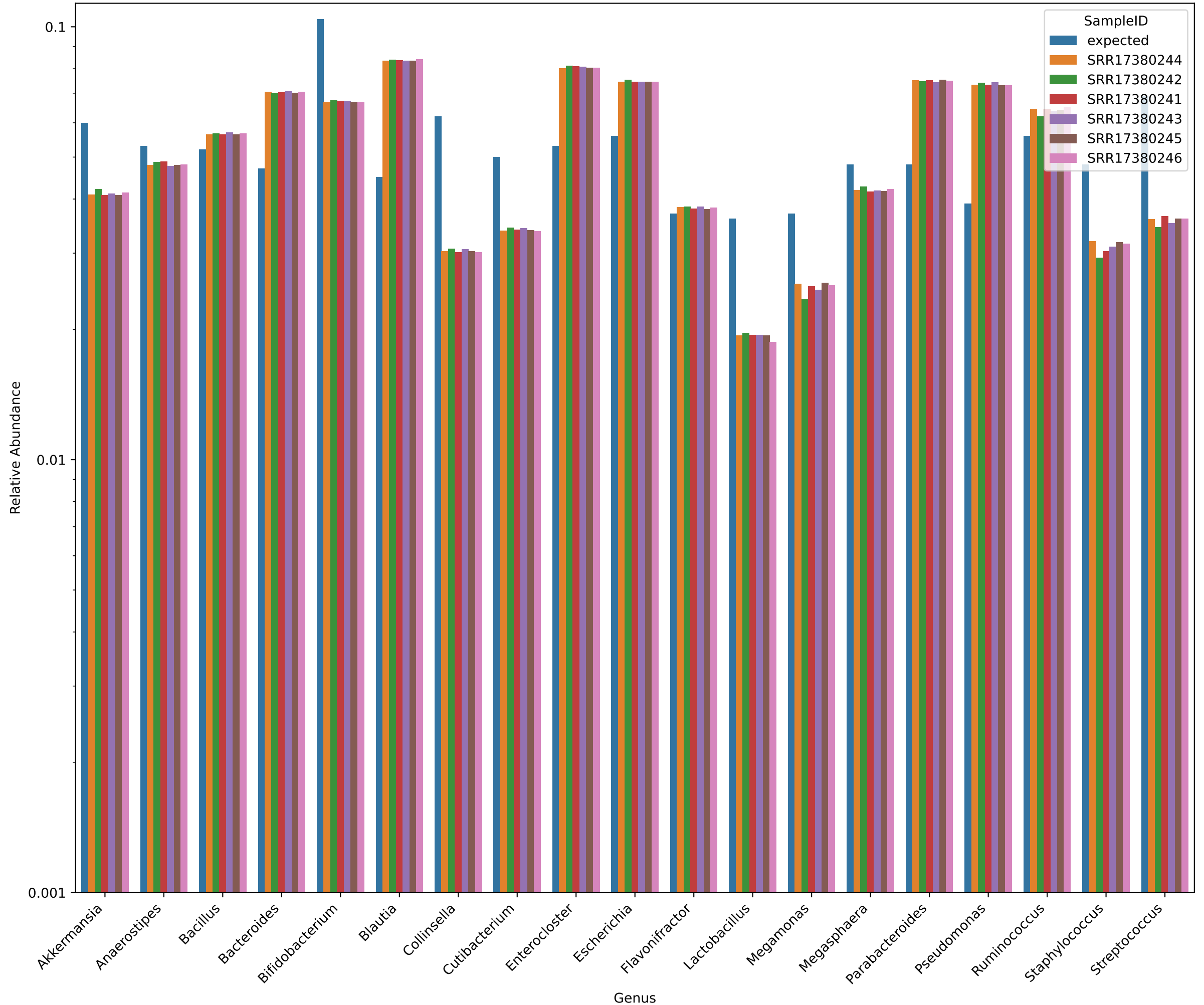
Relative Abundance

0.1
0.01
0.001

Akkermansia
Anaerostipes
Bacillus
Bacteroides
Bifidobacterium
Blautia
Collinsella
Cutibacterium
Enterocloster
Escherichia
Flavonifractor
Lactobacillus
Megamonas
Megasphaera
Parabacteroides
Pseudomonas
Ruminococcus
Staphylococcus
Streptococcus
Lachnoclostridium

Genus

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



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

SampleID
expected
sSRR17380241
sSRR17380242
sSRR17380244
sSRR17380246
sSRR17380245
sSRR17380243

Relative Abundance

0.1
0.01
0.001

Akkermansia
Anaerostipes
Bacillus
Bacteroides
Bifidobacterium
Blautia
Collinsella
Cutibacterium
Enterocloster
Escherichia
Flavonifractor
Lactobacillus
Megamonas
Megasphaera
Parabacteroides
Pseudomonas
Ruminococcus
Staphylococcus
Streptococcus
Mediterraneibacter
Lachnoclostridium
Clostridioides

Genus

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

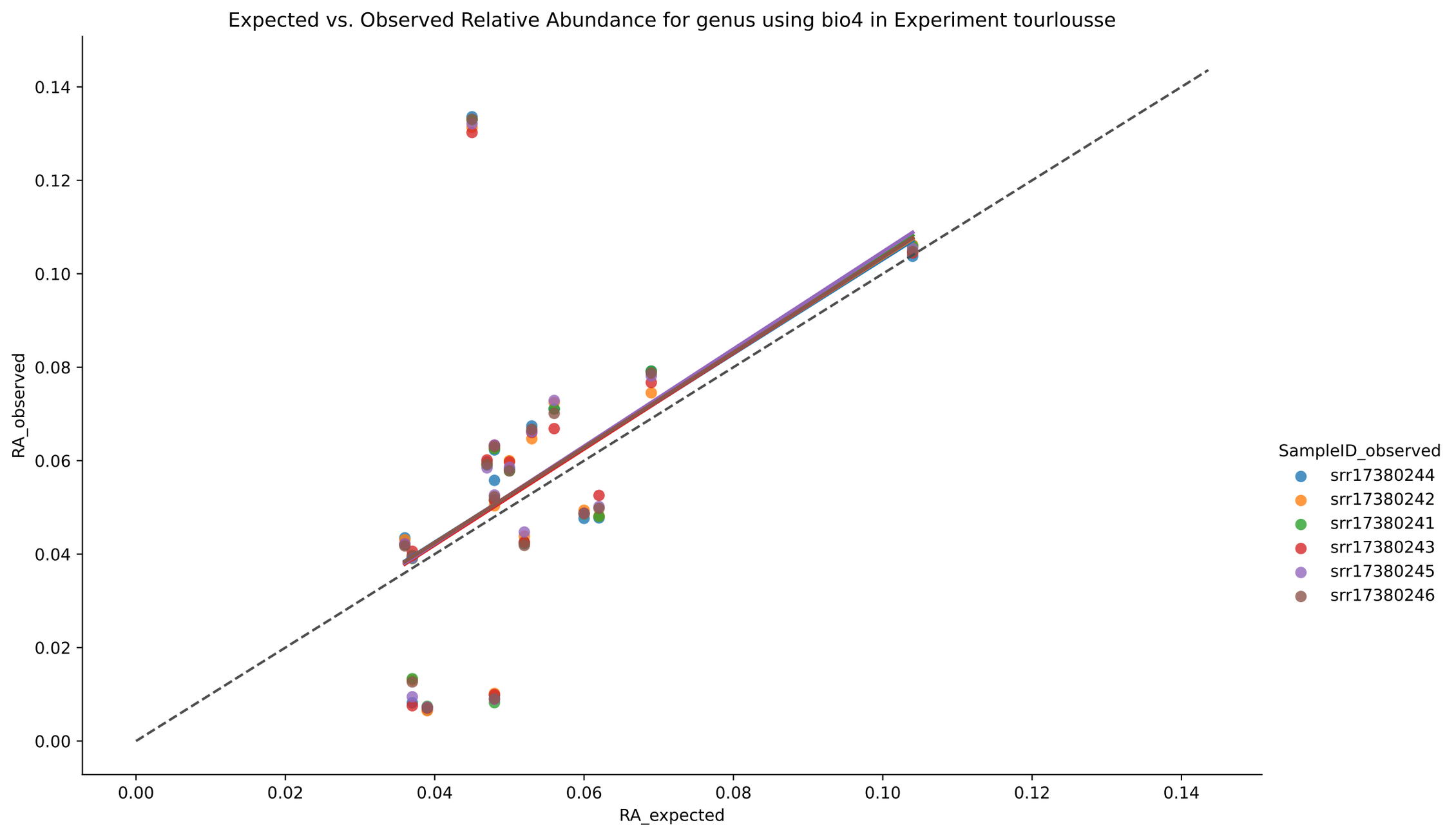
SampleID
expected
SRR17380244
SRR17380242
SRR17380241
SRR17380243
SRR17380245
SRR17380246

Relative Abundance

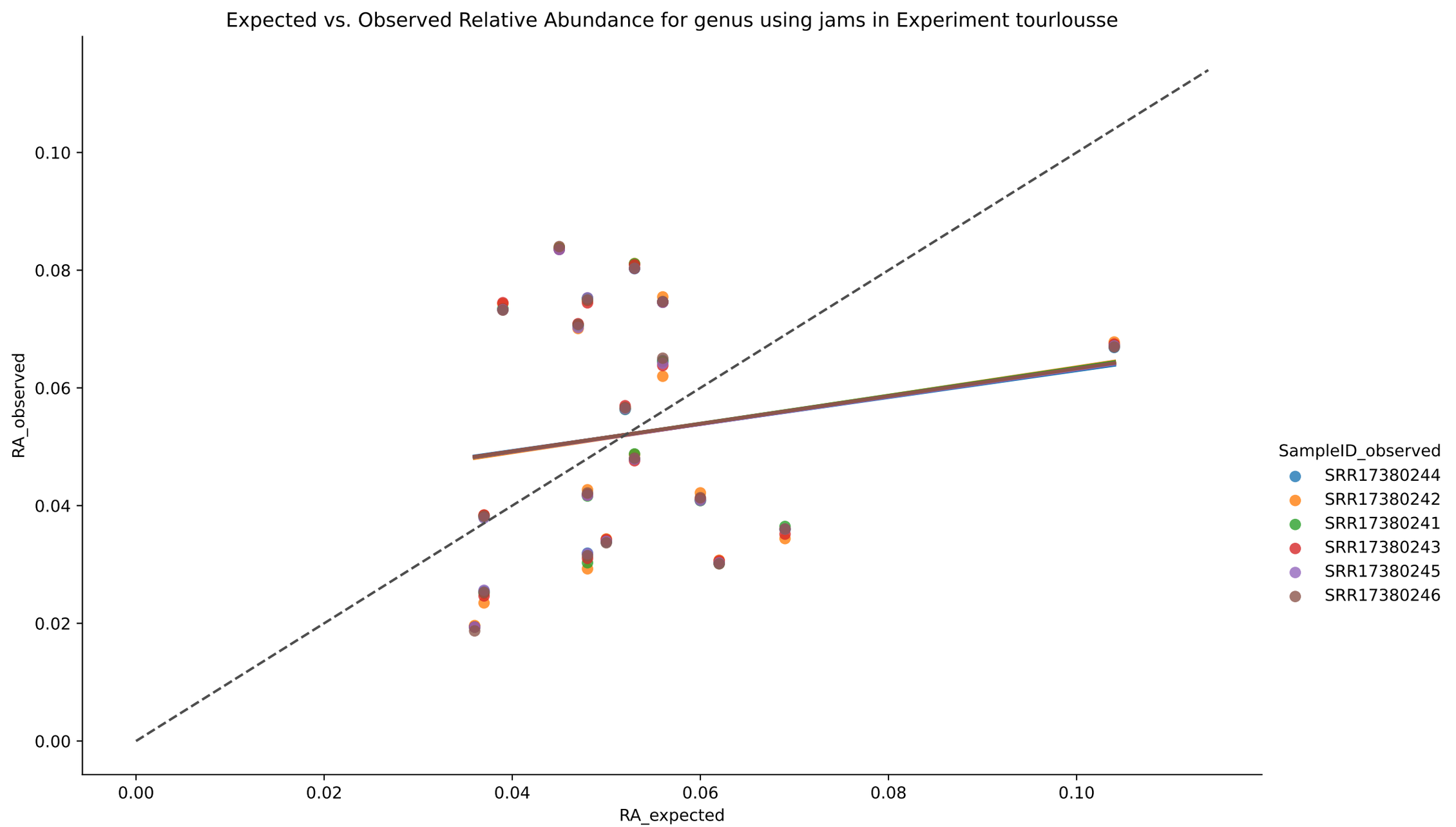
0.1
0.01
0.001

Akkermansia
Anaerostipes
Bacillus
Bacteroides
Bifidobacterium
Blautia
Collinsella
Cutibacterium
Enterocloster
Escherichia
Flavonifractor
Lactobacillus
Megamonas
Megasphaera
Parabacteroides
Pseudomonas
Ruminococcus
Staphylococcus
Streptococcus
Lachnoclostridium
Clostridium
Shigella
Prevotella
Eubacterium
Tyzzerella
Roseburia
Coprococcus

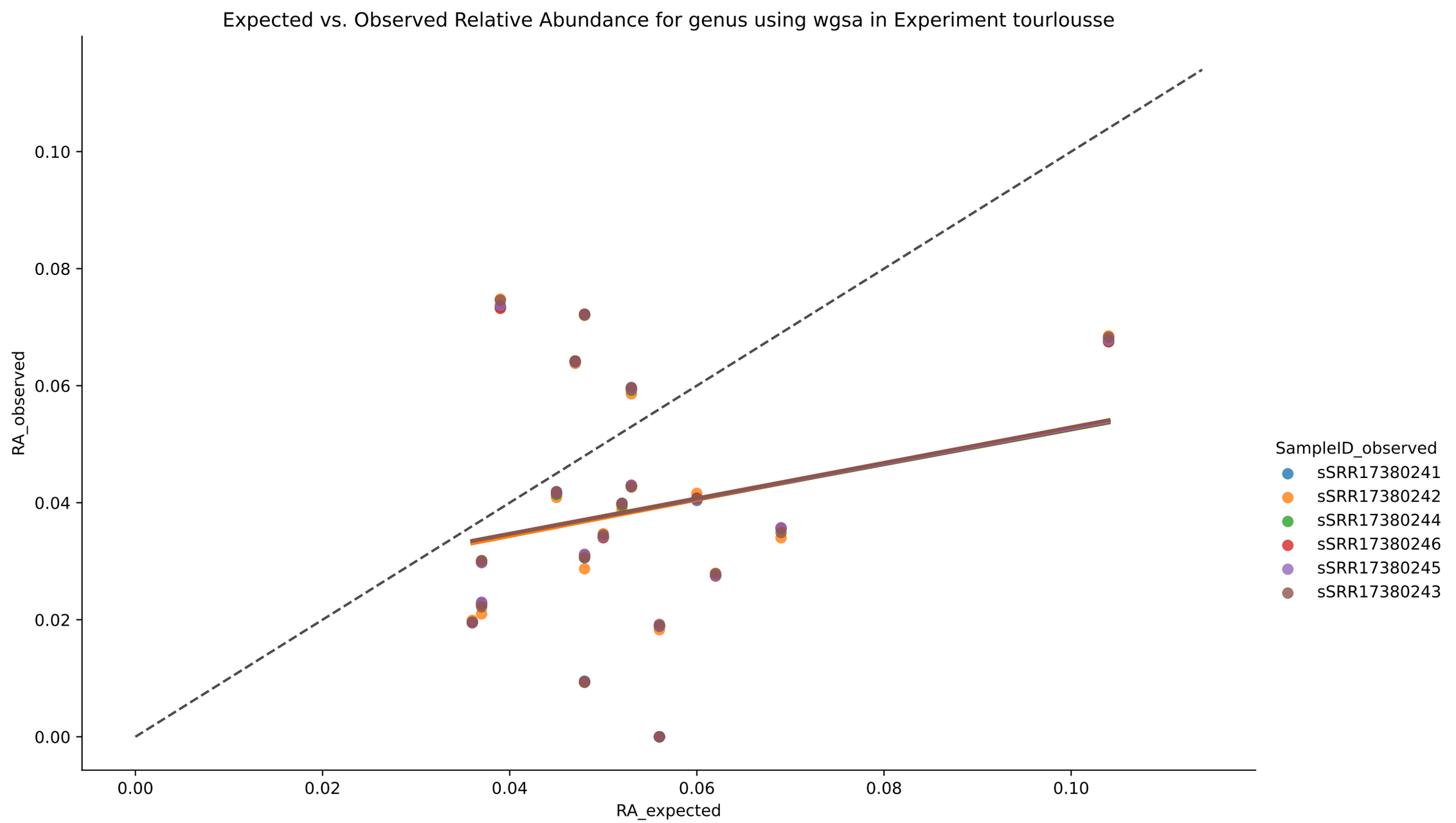
Genus



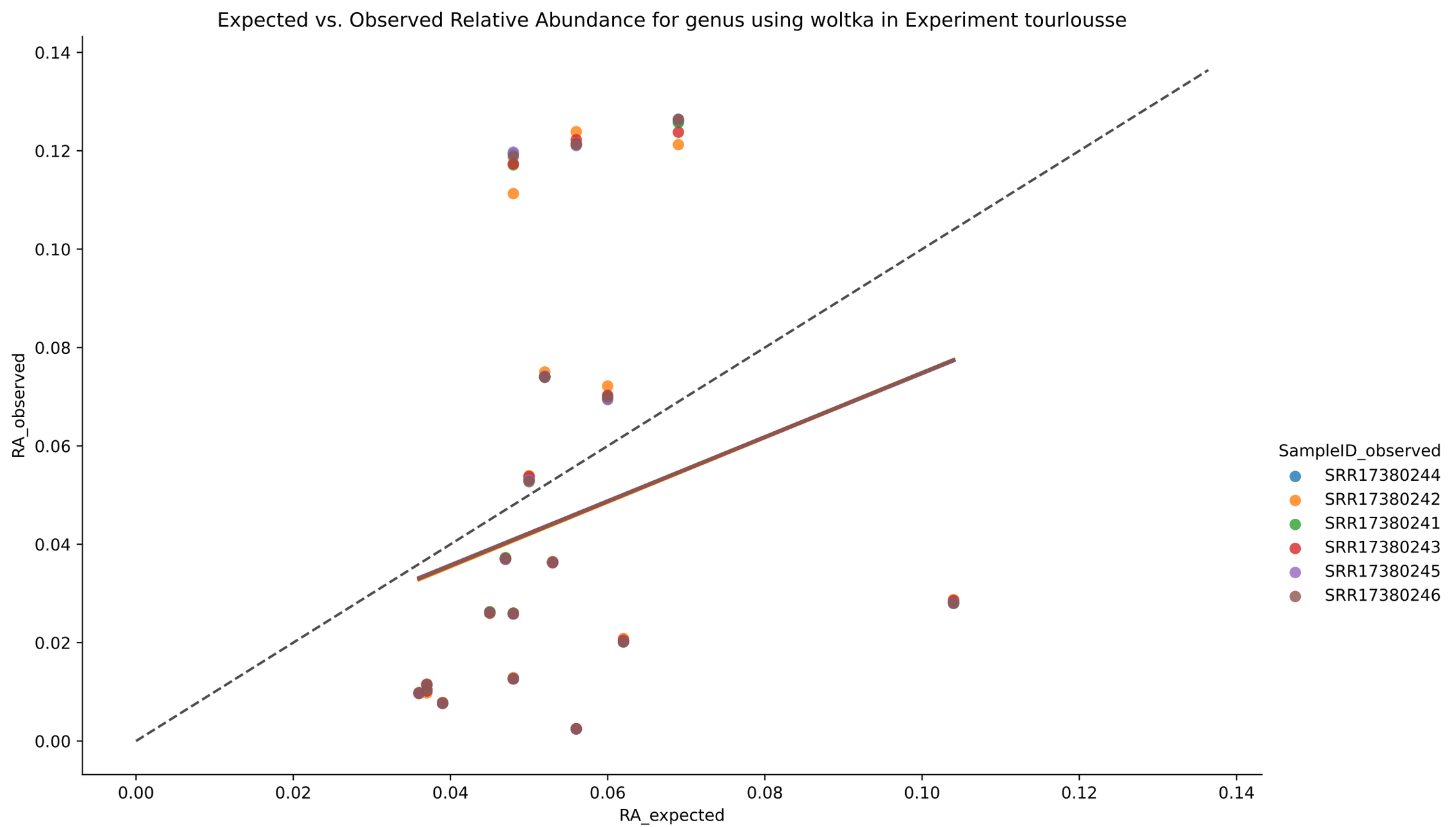
r^2 = 0.2677 for srr17380241	MAE = 0.0179 for srr17380241	Aitchison = 2.7274 for srr17380241
r^2 = 0.2685 for srr17380242	MAE = 0.0175 for srr17380242	Aitchison = 2.6903 for srr17380242
r^2 = 0.2726 for srr17380243	MAE = 0.0175 for srr17380243	Aitchison = 2.8510 for srr17380243
r^2 = 0.2517 for srr17380244	MAE = 0.0187 for srr17380244	Aitchison = 2.8834 for srr17380244
r^2 = 0.2714 for srr17380245	MAE = 0.0179 for srr17380245	Aitchison = 2.8115 for srr17380245
r^2 = 0.2631 for srr17380246	MAE = 0.0178 for srr17380246	Aitchison = 2.7140 for srr17380246



r^2 = 0.0300 for SRR17380241	MAE = 0.0199 for SRR17380241	Aitchison = 1.8461 for SRR17380241
r^2 = 0.0305 for SRR17380242	MAE = 0.0199 for SRR17380242	Aitchison = 1.8657 for SRR17380242
r^2 = 0.0290 for SRR17380243	MAE = 0.0199 for SRR17380243	Aitchison = 1.8497 for SRR17380243
r^2 = 0.0283 for SRR17380244	MAE = 0.0198 for SRR17380244	Aitchison = 1.8355 for SRR17380244
r^2 = 0.0295 for SRR17380245	MAE = 0.0197 for SRR17380245	Aitchison = 1.8312 for SRR17380245
r^2 = 0.0294 for SRR17380246	MAE = 0.0199 for SRR17380246	Aitchison = 1.8506 for SRR17380246



r² = 0.0479 for sSRR17380241	MAE = 0.0229 for sSRR17380241	Aitchison = 4.1940 for sSRR17380241
r² = 0.0494 for sSRR17380242	MAE = 0.0231 for sSRR17380242	Aitchison = 4.2005 for sSRR17380242
r² = 0.0478 for sSRR17380243	MAE = 0.0229 for sSRR17380243	Aitchison = 4.1984 for sSRR17380243
r² = 0.0467 for sSRR17380244	MAE = 0.0229 for sSRR17380244	Aitchison = 4.1965 for sSRR17380244
r² = 0.0475 for sSRR17380245	MAE = 0.0228 for sSRR17380245	Aitchison = 4.1953 for sSRR17380245
r² = 0.0472 for sSRR17380246	MAE = 0.0228 for sSRR17380246	Aitchison = 4.1952 for sSRR17380246



r^2 = 0.0625 for SRR17380241	MAE = 0.0338 for SRR17380241	Aitchison = 3.9243 for SRR17380241
r^2 = 0.0652 for SRR17380242	MAE = 0.0336 for SRR17380242	Aitchison = 3.9080 for SRR17380242
r^2 = 0.0624 for SRR17380243	MAE = 0.0339 for SRR17380243	Aitchison = 3.9257 for SRR17380243
r^2 = 0.0608 for SRR17380244	MAE = 0.0340 for SRR17380244	Aitchison = 3.9345 for SRR17380244
r^2 = 0.0610 for SRR17380245	MAE = 0.0341 for SRR17380245	Aitchison = 3.9448 for SRR17380245
r^2 = 0.0614 for SRR17380246	MAE = 0.0340 for SRR17380246	Aitchison = 3.9401 for SRR17380246

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

SampleID
expected
SRR11487934
SRR11487932
SRR11487931
SRR11487933
SRR11487935

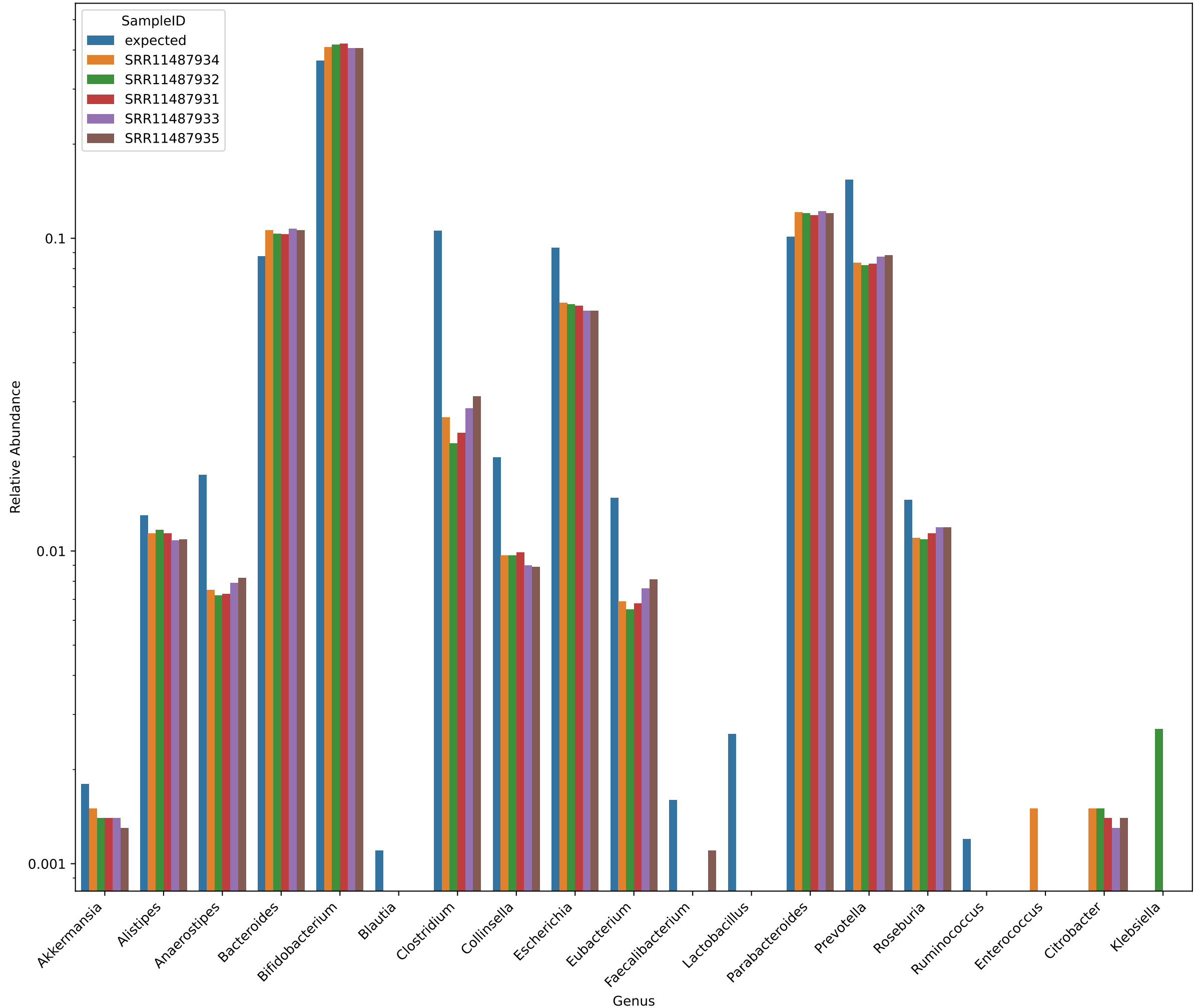
Relative Abundance

0.1
0.01
0.001

Akkermansia
Alistipes
Anaerostipes
Bacteroides
Bifidobacterium
Blautia
Clostridium
Collinsella
Escherichia
Eubacterium
Faecalibacterium
Lactobacillus
Parabacteroides
Prevotella
Roseburia
Ruminococcus

Genus

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



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

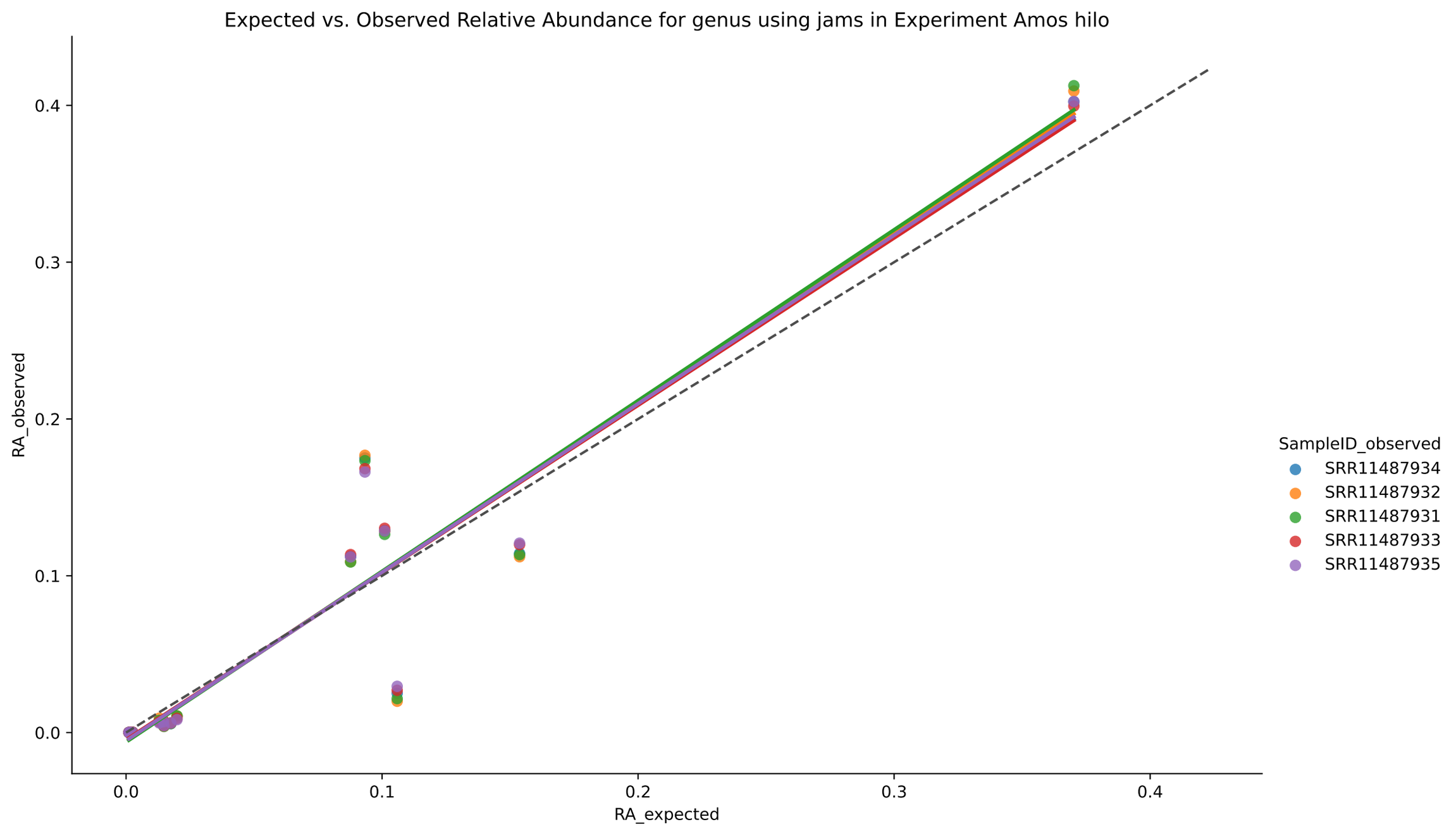
SampleID
expected
SRR11487934
SRR11487932
SRR11487931
SRR11487933
SRR11487935

Relative Abundance

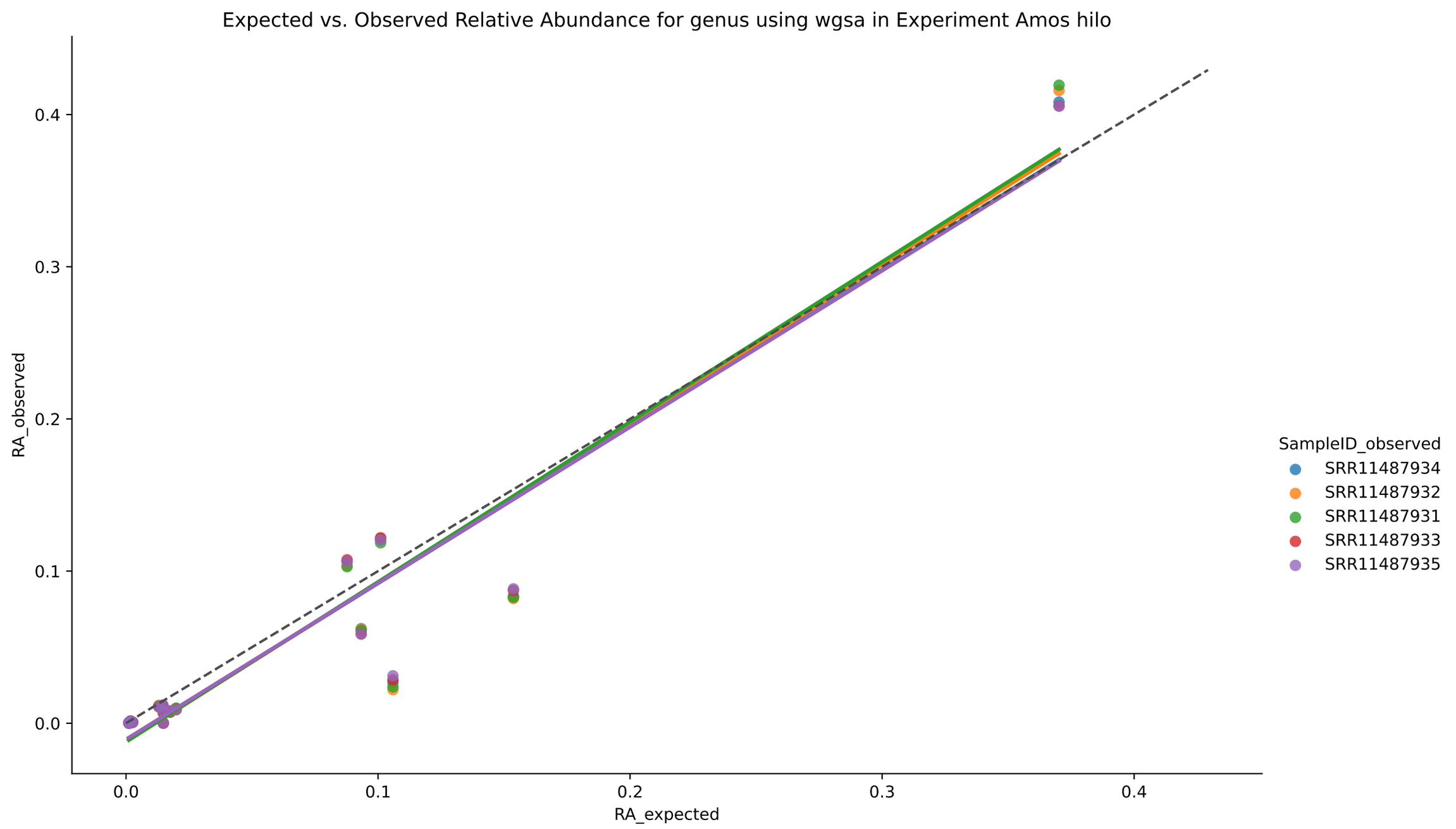
0.1
0.01
0.001

Akkermansia
Alistipes
Anaerostipes
Bacteroides
Bifidobacterium
Blautia
Clostridium
Collinsella
Escherichia
Eubacterium
Faecalibacterium
Lactobacillus
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Shigella
Citrobacter
Kluyvera
Klebsiella
Obesumbacterium

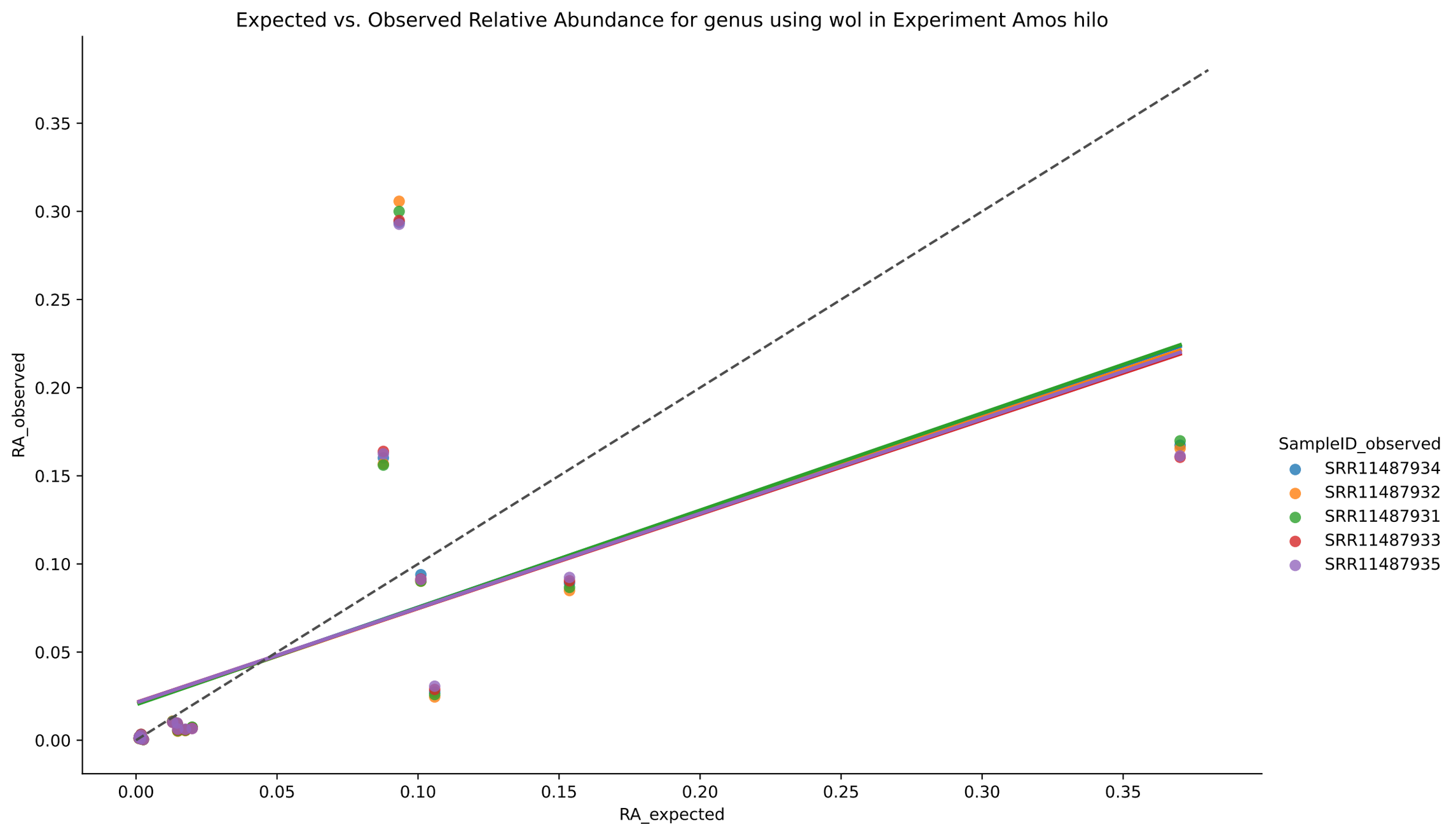
Genus



r^2 = 0.9037 for SRR11487931	MAE = 0.0216 for SRR11487931	Aitchison = 2.2995 for SRR11487931
r^2 = 0.8974 for SRR11487932	MAE = 0.0218 for SRR11487932	Aitchison = 2.3468 for SRR11487932
r^2 = 0.9112 for SRR11487933	MAE = 0.0204 for SRR11487933	Aitchison = 2.1882 for SRR11487933
r^2 = 0.9024 for SRR11487934	MAE = 0.0213 for SRR11487934	Aitchison = 2.2730 for SRR11487934
r^2 = 0.9170 for SRR11487935	MAE = 0.0201 for SRR11487935	Aitchison = 2.1849 for SRR11487935

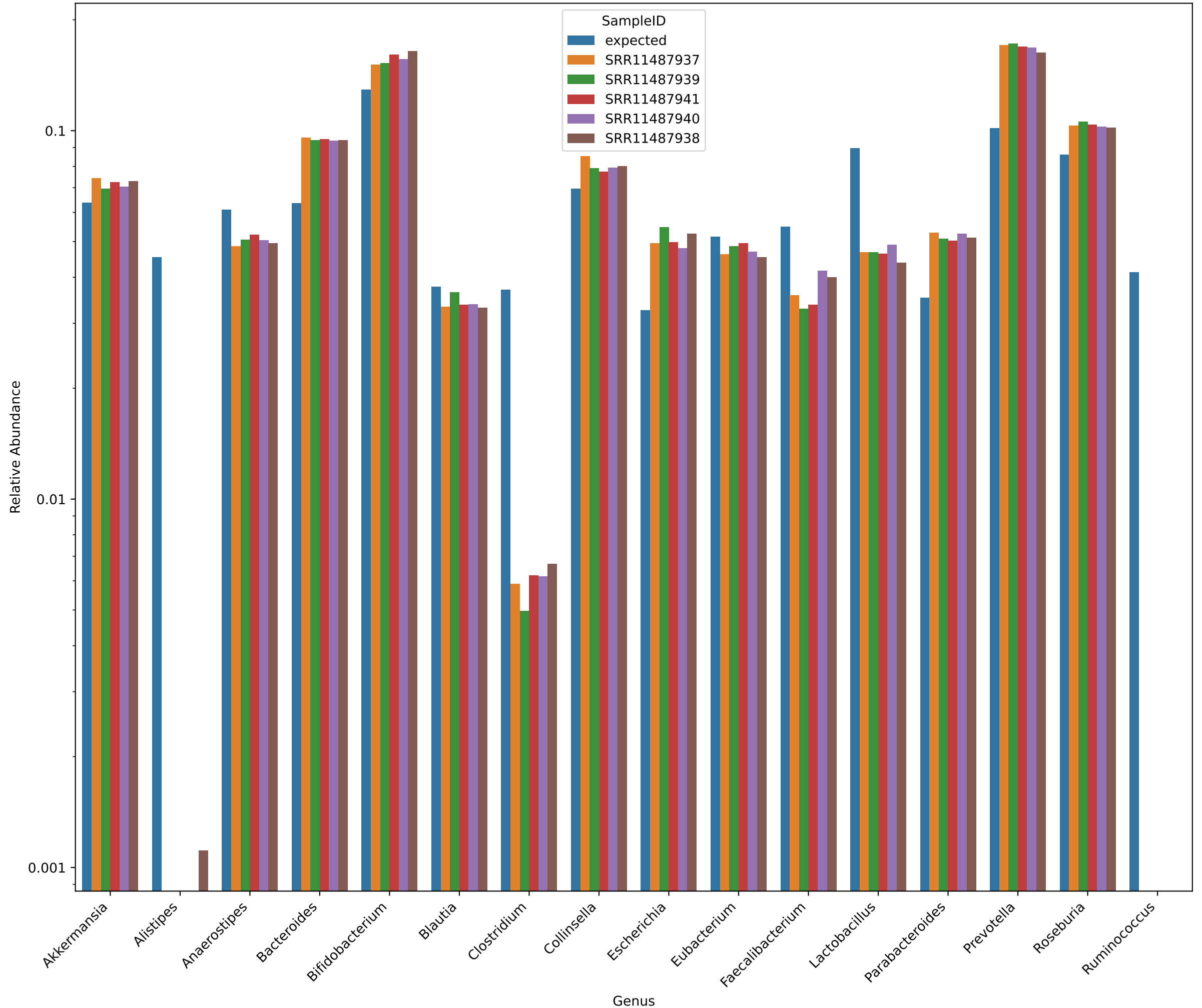


r^2 = 0.9143 for SRR11487931	MAE = 0.0188 for SRR11487931	Aitchison = 2.7422 for SRR11487931
r^2 = 0.9122 for SRR11487932	MAE = 0.0189 for SRR11487932	Aitchison = 2.7785 for SRR11487932
r^2 = 0.9208 for SRR11487933	MAE = 0.0180 for SRR11487933	Aitchison = 2.6875 for SRR11487933
r^2 = 0.9175 for SRR11487934	MAE = 0.0183 for SRR11487934	Aitchison = 2.7080 for SRR11487934
r^2 = 0.9244 for SRR11487935	MAE = 0.0176 for SRR11487935	Aitchison = 2.6607 for SRR11487935



r^2 = 0.3723 for SRR11487931	MAE = 0.0425 for SRR11487931	Aitchison = 2.6532 for SRR11487931
r^2 = 0.3532 for SRR11487932	MAE = 0.0434 for SRR11487932	Aitchison = 2.7128 for SRR11487932
r^2 = 0.3586 for SRR11487933	MAE = 0.0427 for SRR11487933	Aitchison = 2.6143 for SRR11487933
r^2 = 0.3760 for SRR11487934	MAE = 0.0420 for SRR11487934	Aitchison = 2.6268 for SRR11487934
r^2 = 0.3660 for SRR11487935	MAE = 0.0422 for SRR11487935	Aitchison = 2.5500 for SRR11487935

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



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

SampleID
expected
SRR11487937
SRR11487939
SRR11487941
SRR11487940
SRR11487938

Relative Abundance

0.1
0.01
0.001

Akkermansia
Alistipes
Anaerostipes
Bacteroides
Bifidobacterium
Blautia
Clostridium
Collinsella
Escherichia
Eubacterium
Faecalibacterium
Lactobacillus
Parabacteroides
Prevotella
Roseburia
Ruminococcus

Genus

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

SampleID
expected
SRR11487937
SRR11487939
SRR11487941
SRR11487940
SRR11487938

Relative Abundance

0.1
0.01
0.001

Akkermansia
Alistipes
Anaerostipes
Bacteroides
Bifidobacterium
Blautia
Clostridium
Collinsella
Escherichia
Eubacterium
Faecalibacterium
Lactobacillus
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Limosilactobacillus
Coprococcus
Mediterraneibacter
Vibrio
Faecalicatena
Staphylococcus

Genus

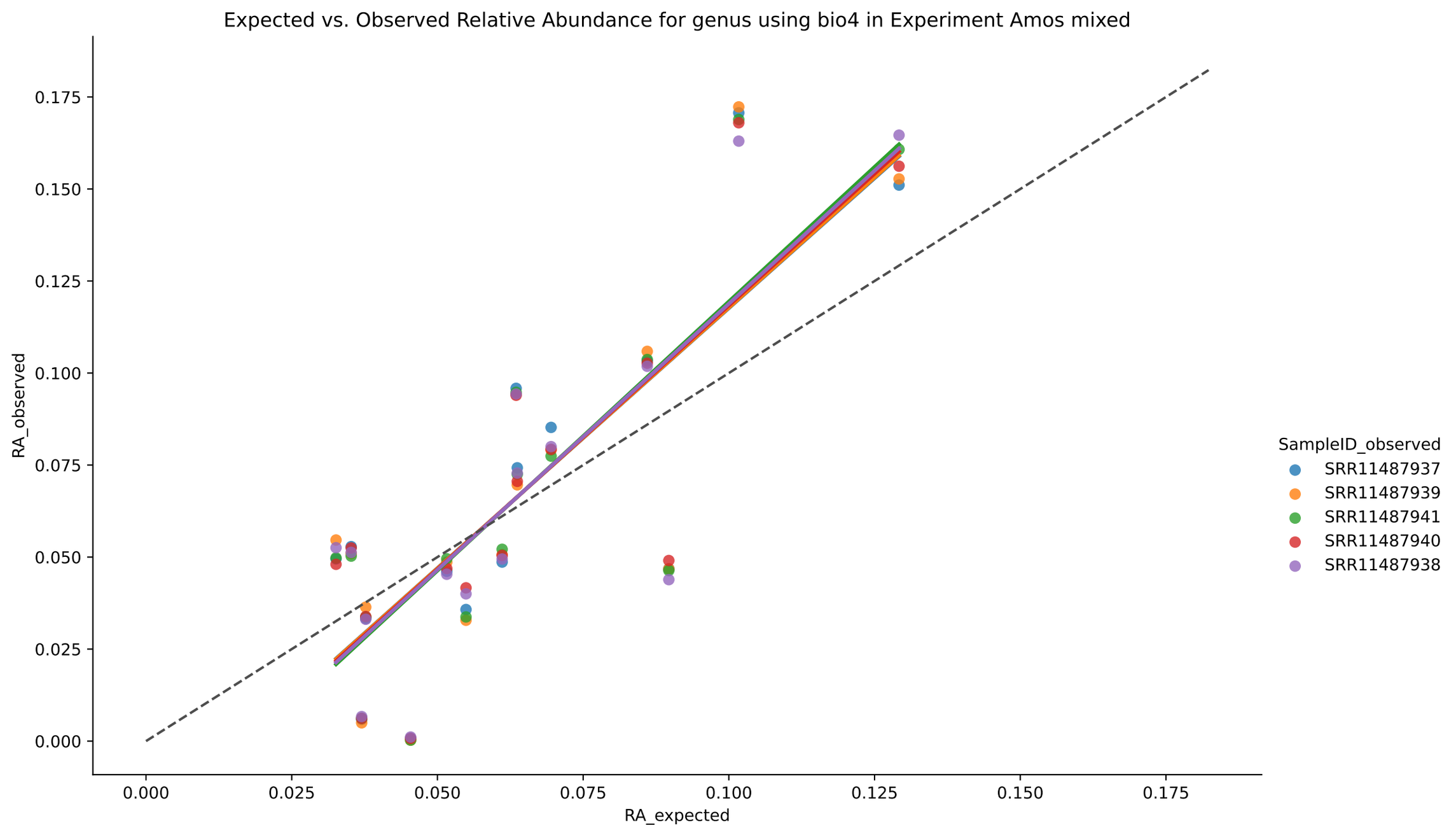
Expected vs. Observed Relative Abundance for genus using wol in Experiment mixed

SampleID
expected
SRR11487937
SRR11487939
SRR11487941
SRR11487940
SRR11487938

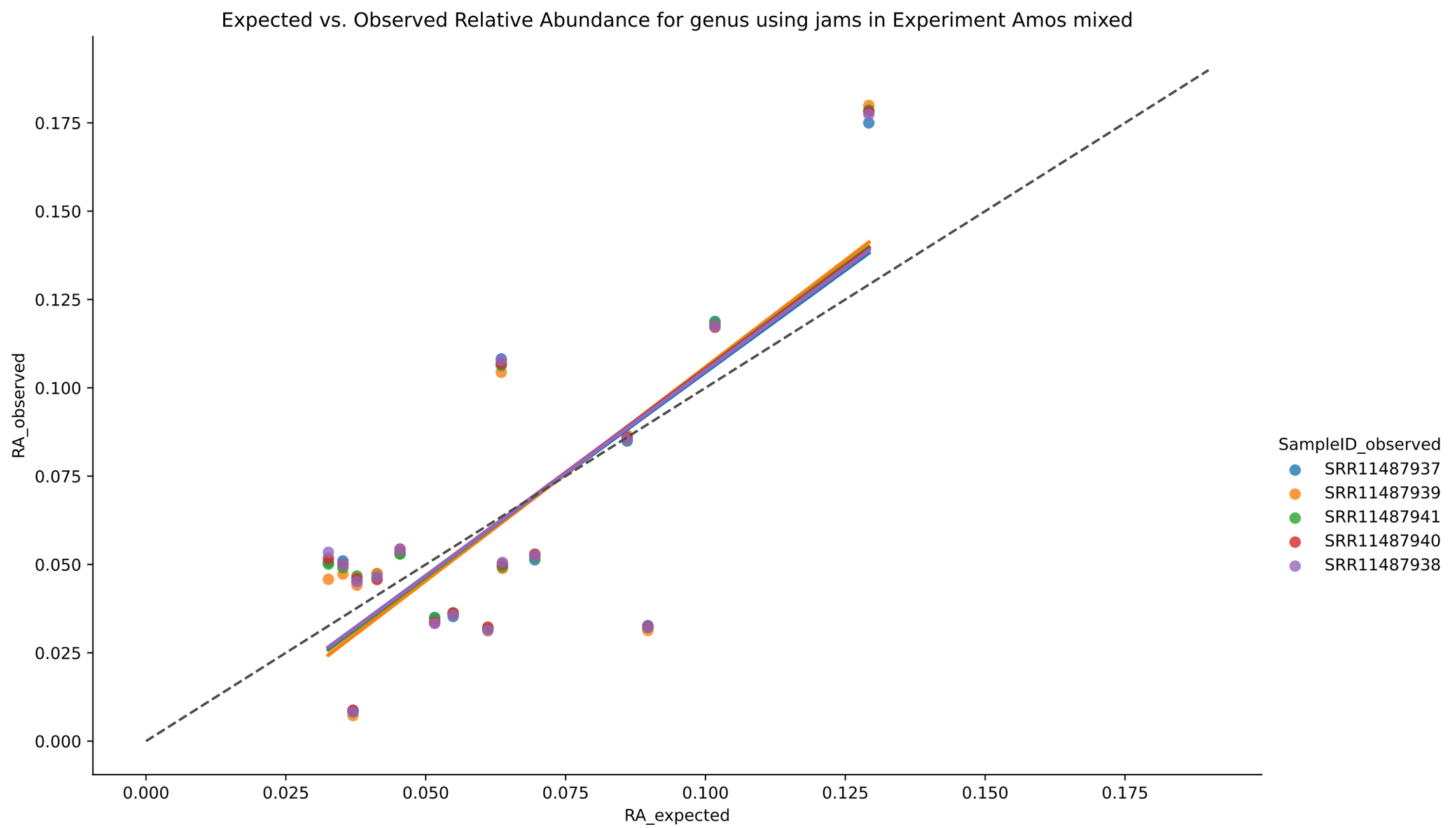
Relative Abundance
0.1
0.01
0.001

Akkermansia
Alistipes
Anaerostipes
Bacteroides
Bifidobacterium
Blautia
Clostridium
Collinsella
Escherichia
Eubacterium
Faecalibacterium
Lactobacillus
Parabacteroides
Prevotella
Roseburia
Ruminococcus
Shigella
Lachnoclostridium
Dorea
Fusicatenibacter
Coprococcus
Tyzzerella
Butyrivibrio

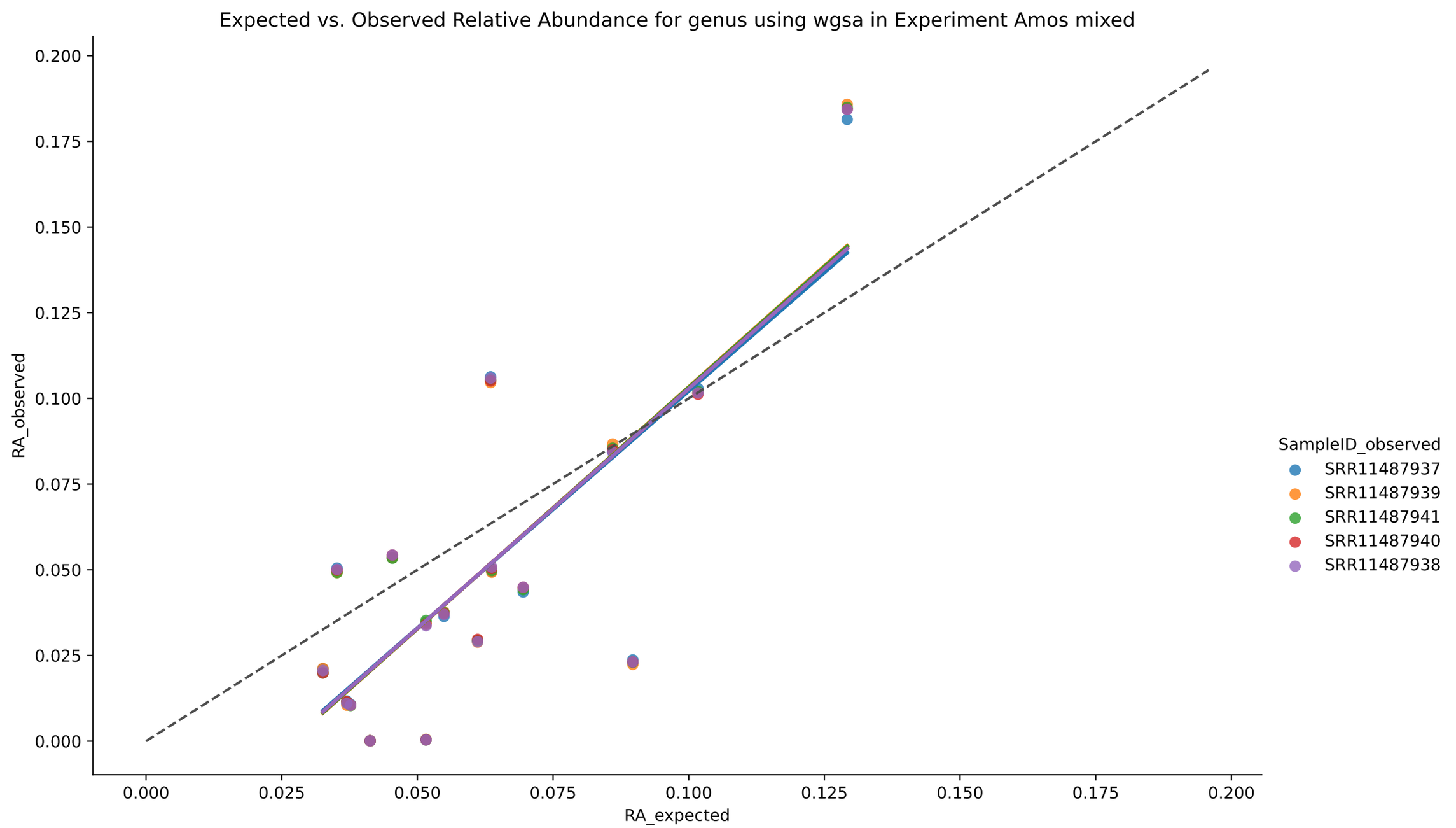
Genus



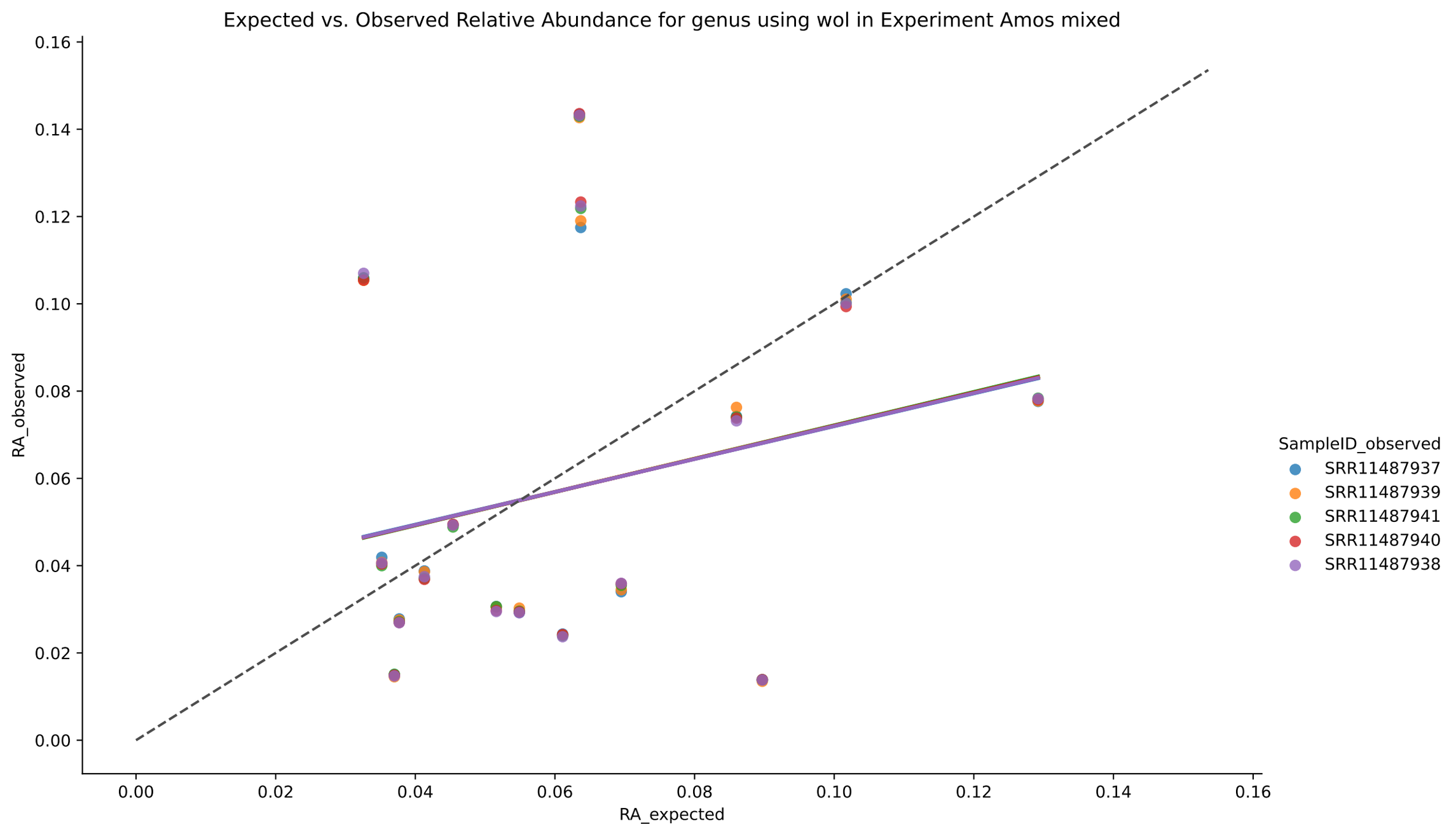
r² = 0.6595 for SRR11487937	MAE = 0.0241 for SRR11487937	Aitchison = 3.7690 for SRR11487937
r² = 0.6856 for SRR11487938	MAE = 0.0238 for SRR11487938	Aitchison = 3.5587 for SRR11487938
r² = 0.6543 for SRR11487939	MAE = 0.0237 for SRR11487939	Aitchison = 4.0722 for SRR11487939
r² = 0.6903 for SRR11487940	MAE = 0.0226 for SRR11487940	Aitchison = 3.7050 for SRR11487940
r² = 0.6856 for SRR11487941	MAE = 0.0235 for SRR11487941	Aitchison = 3.9913 for SRR11487941



r² = 0.5764 for SRR11487937	MAE = 0.0217 for SRR11487937	Aitchison = 2.0658 for SRR11487937
r² = 0.5738 for SRR11487938	MAE = 0.0218 for SRR11487938	Aitchison = 2.1075 for SRR11487938
r² = 0.6024 for SRR11487939	MAE = 0.0213 for SRR11487939	Aitchison = 2.1309 for SRR11487939
r² = 0.5817 for SRR11487940	MAE = 0.0215 for SRR11487940	Aitchison = 2.0536 for SRR11487940
r² = 0.5863 for SRR11487941	MAE = 0.0216 for SRR11487941	Aitchison = 2.0784 for SRR11487941



r² = 0.6186 for SRR11487937	MAE = 0.0265 for SRR11487937	Aitchison = 4.8895 for SRR11487937
r² = 0.6198 for SRR11487938	MAE = 0.0266 for SRR11487938	Aitchison = 4.9025 for SRR11487938
r² = 0.6242 for SRR11487939	MAE = 0.0265 for SRR11487939	Aitchison = 4.8670 for SRR11487939
r² = 0.6226 for SRR11487940	MAE = 0.0265 for SRR11487940	Aitchison = 4.8954 for SRR11487940
r² = 0.6251 for SRR11487941	MAE = 0.0265 for SRR11487941	Aitchison = 4.8962 for SRR11487941



r^2 = 0.0645 for SRR11487937	MAE = 0.0319 for SRR11487937	Aitchison = 2.8106 for SRR11487937
r^2 = 0.0633 for SRR11487938	MAE = 0.0324 for SRR11487938	Aitchison = 2.8296 for SRR11487938
r^2 = 0.0662 for SRR11487939	MAE = 0.0317 for SRR11487939	Aitchison = 2.8245 for SRR11487939
r^2 = 0.0643 for SRR11487940	MAE = 0.0324 for SRR11487940	Aitchison = 2.8117 for SRR11487940
r^2 = 0.0658 for SRR11487941	MAE = 0.0321 for SRR11487941	Aitchison = 2.8048 for SRR11487941