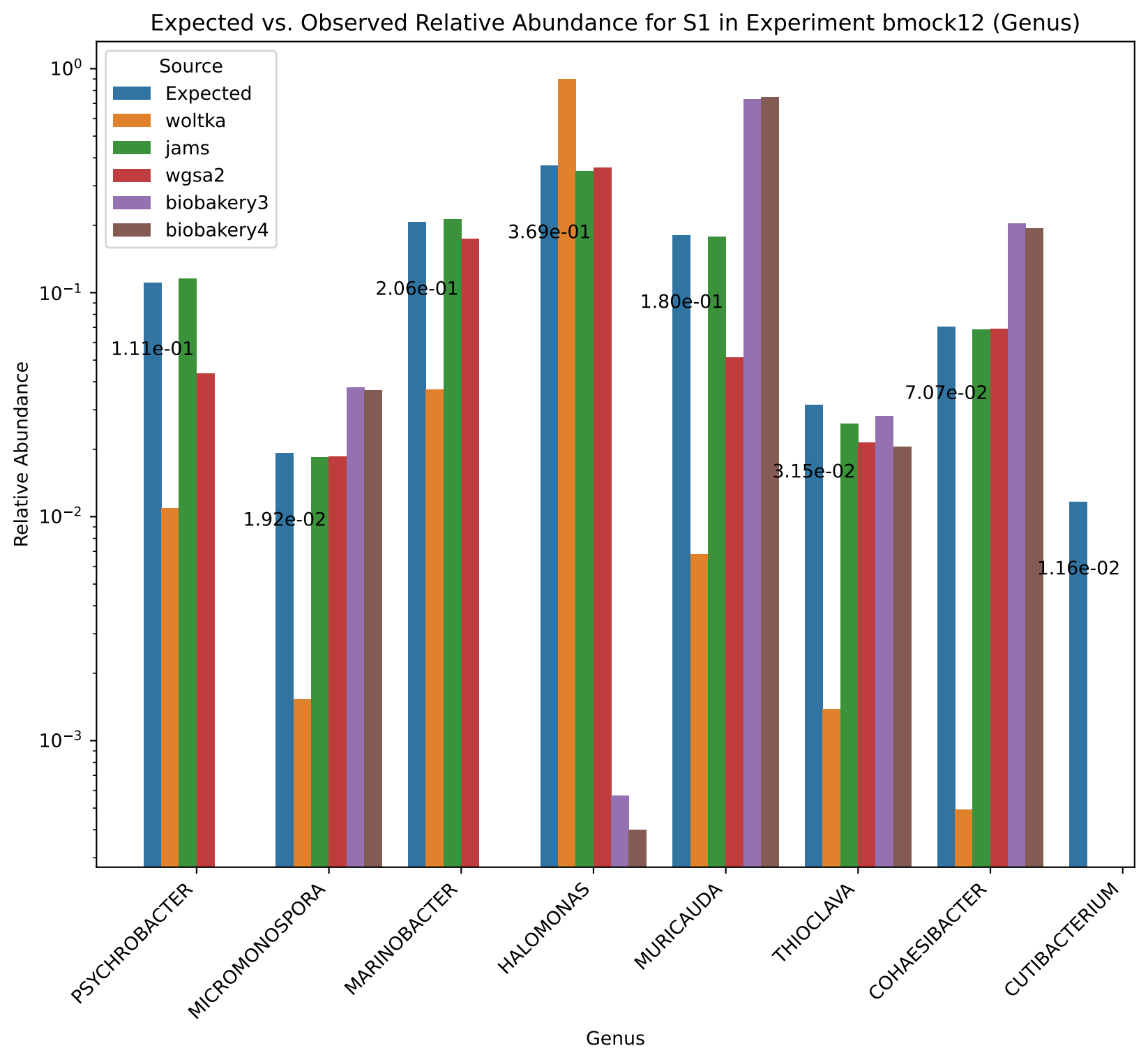
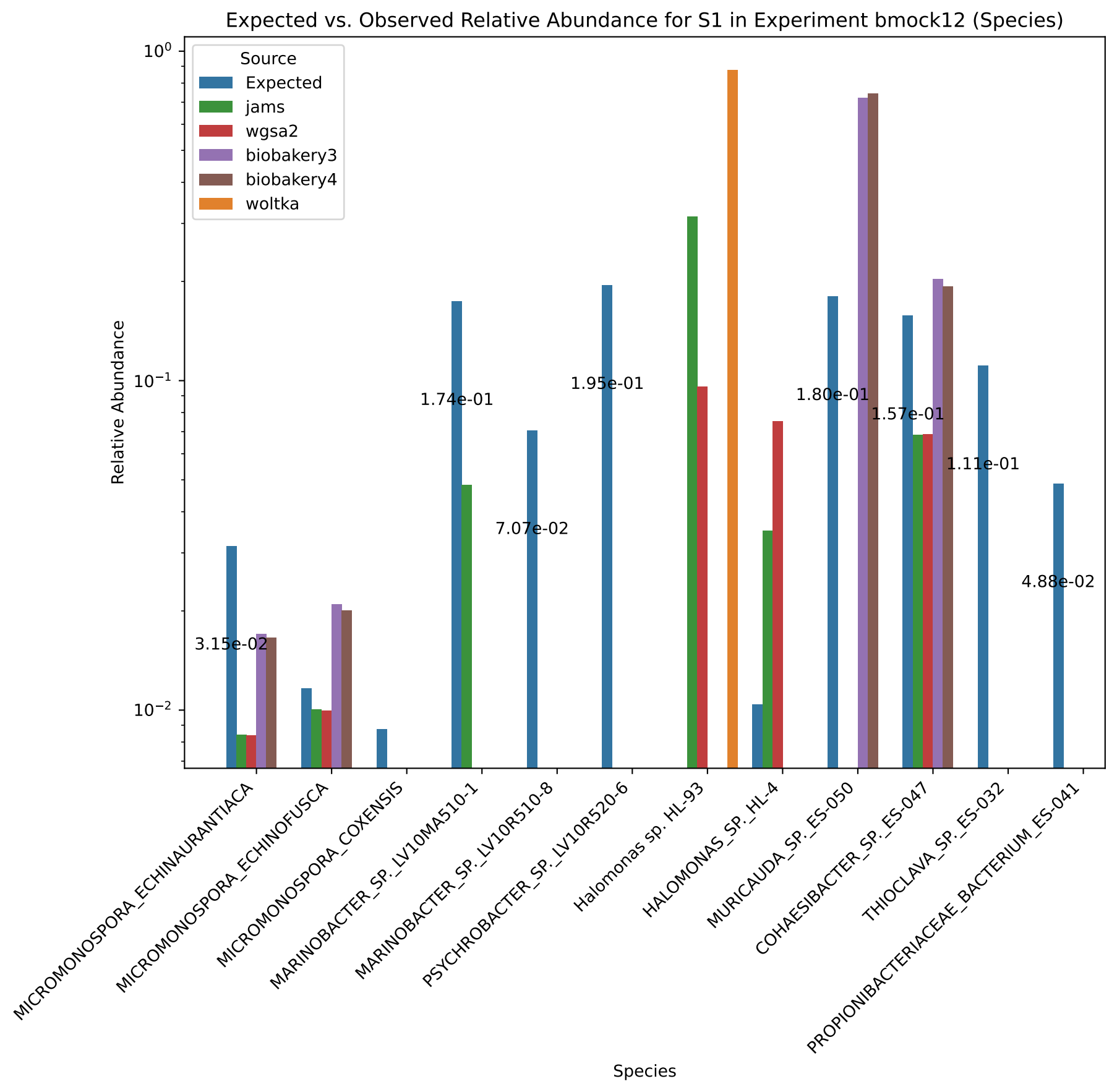
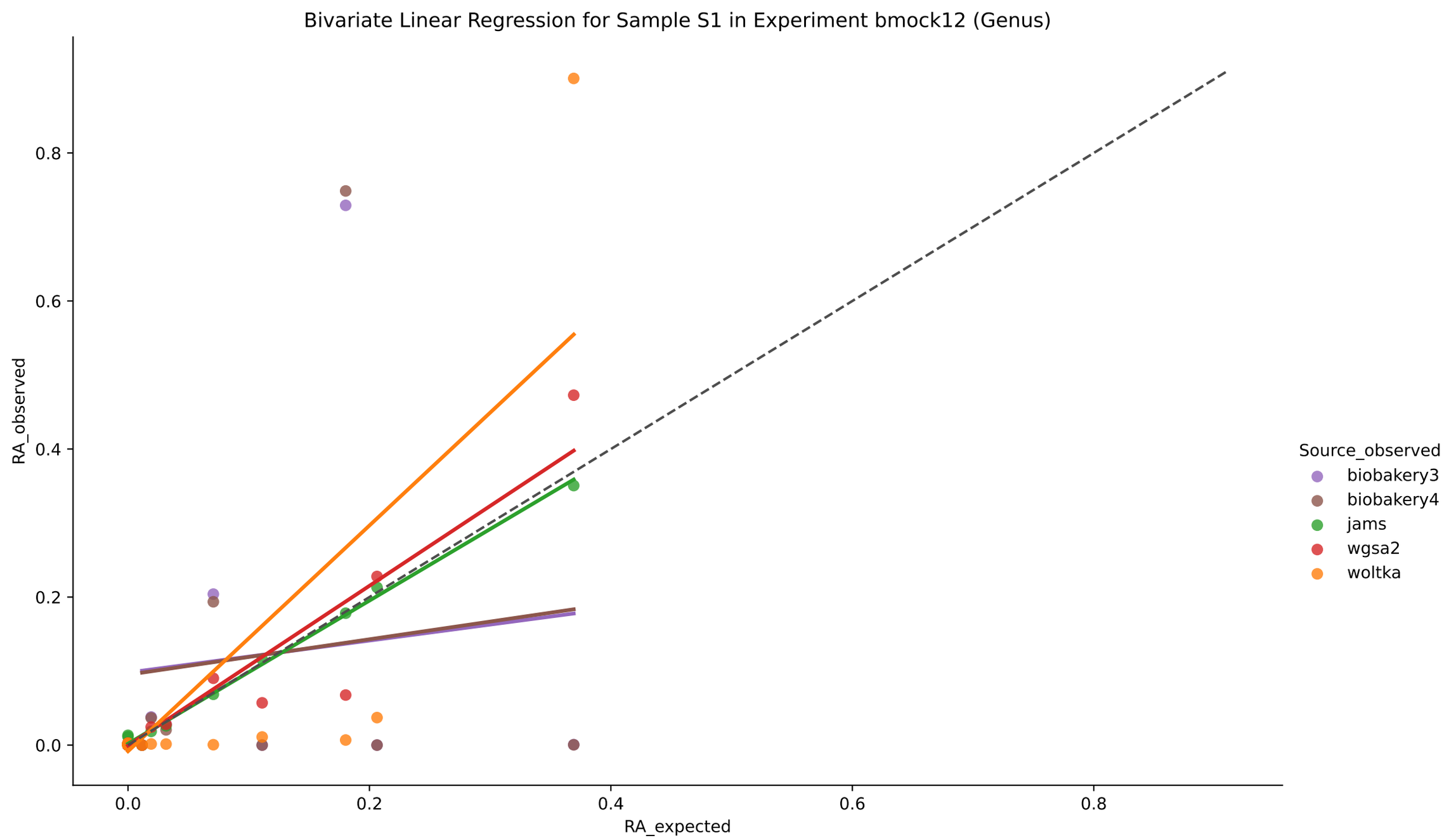
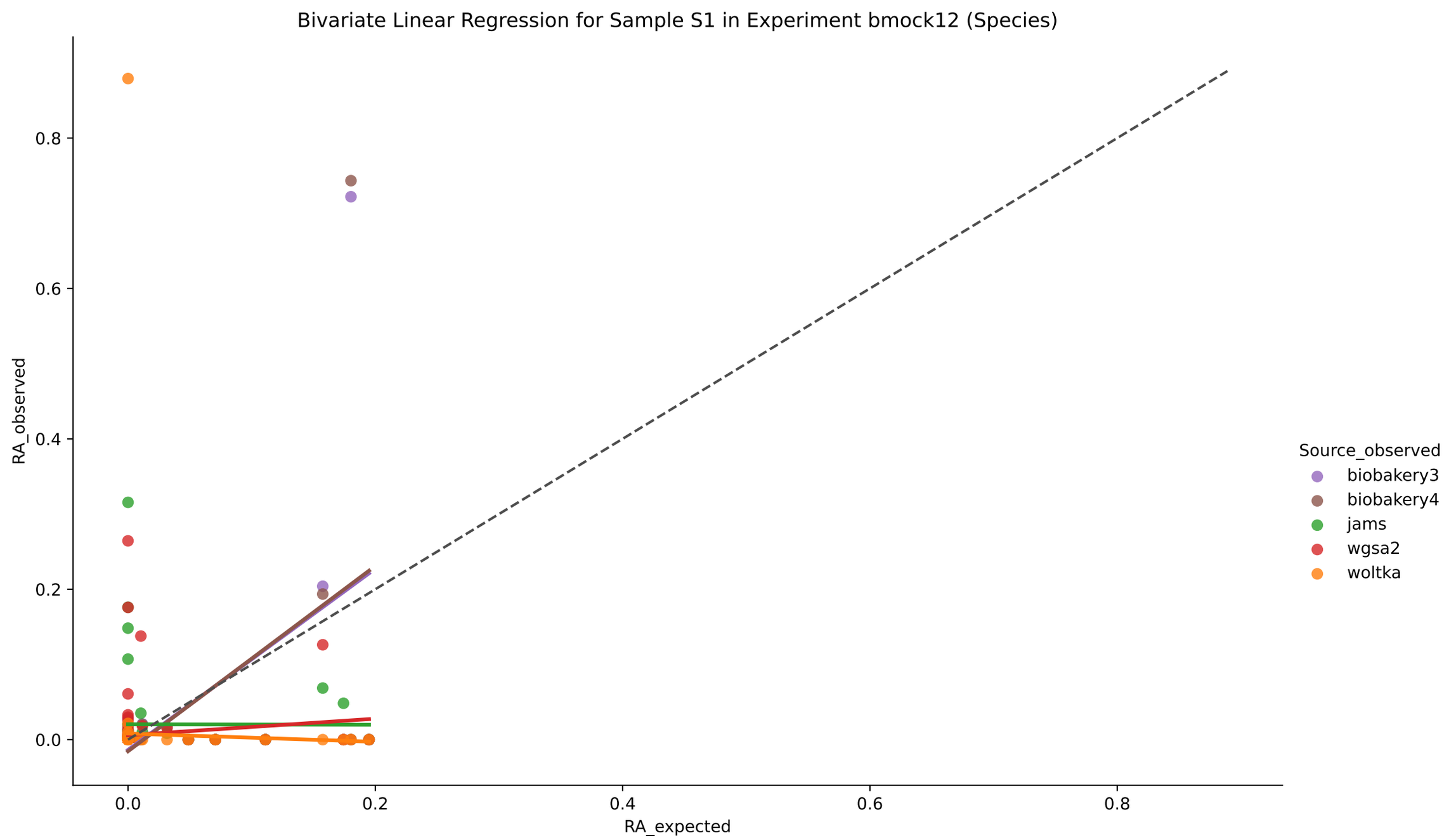

Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Genus)
Source
Expected
woltka
jams
wgsa2
biobakery3
biobakery4
Relative Abundance
10^{0}
10^{-1}
10^{-2}
10^{-3}
1.11e-01
1.92e-02
2.06e-01
3.69e-01
1.80e-01
3.15e-02
7.07e-02
1.16e-02
PSYCHROBACTER
MICROMONOSPORA
MARINOBACTER
HALOMONAS
MURICAUDA
THIOCLAVA
COHAESIBACTER
CUTIBACTERIUM
Genus

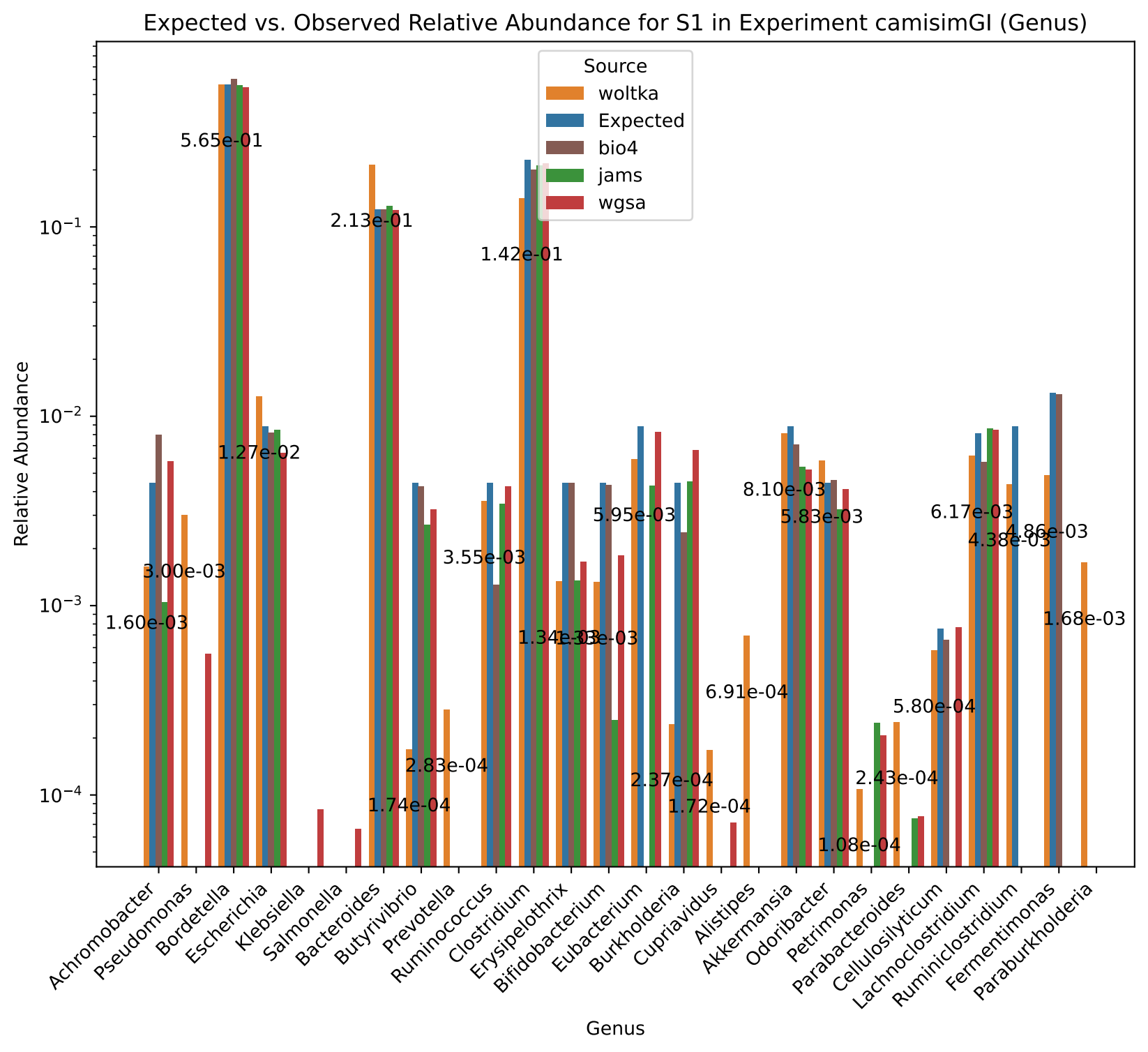

Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Species)
Source
Expected
jams
wgsa2
biobakery3
biobakery4
woltka
Relative Abundance
10^{0}
10^{-1}
10^{-2}
3.15e-02
1.74e-01
7.07e-02
1.95e-01
1.80e-01
1.57e-01
1.11e-01
4.88e-02
MICROMONOSPORA_ECHINAURANTIACA
MICROMONOSPORA_ECHINOFUSCA
MICROMONOSPORA_COXENSIS
MARINOBACTER_SP._LV10MA510-1
MARINOBACTER_SP._LV10R510-8
PSYCHROBACTER_SP._LV10R520-6
Halomonas sp. HL-93
HALOMONAS_SP._HL-4
MURICAUDA_SP._ES-050
COHAESIBACTER_SP._ES-047
THIOCLAVA_SP._ES-032
PROPIONIBACTERIACEAE_BACTERIUM_ES-041
Species

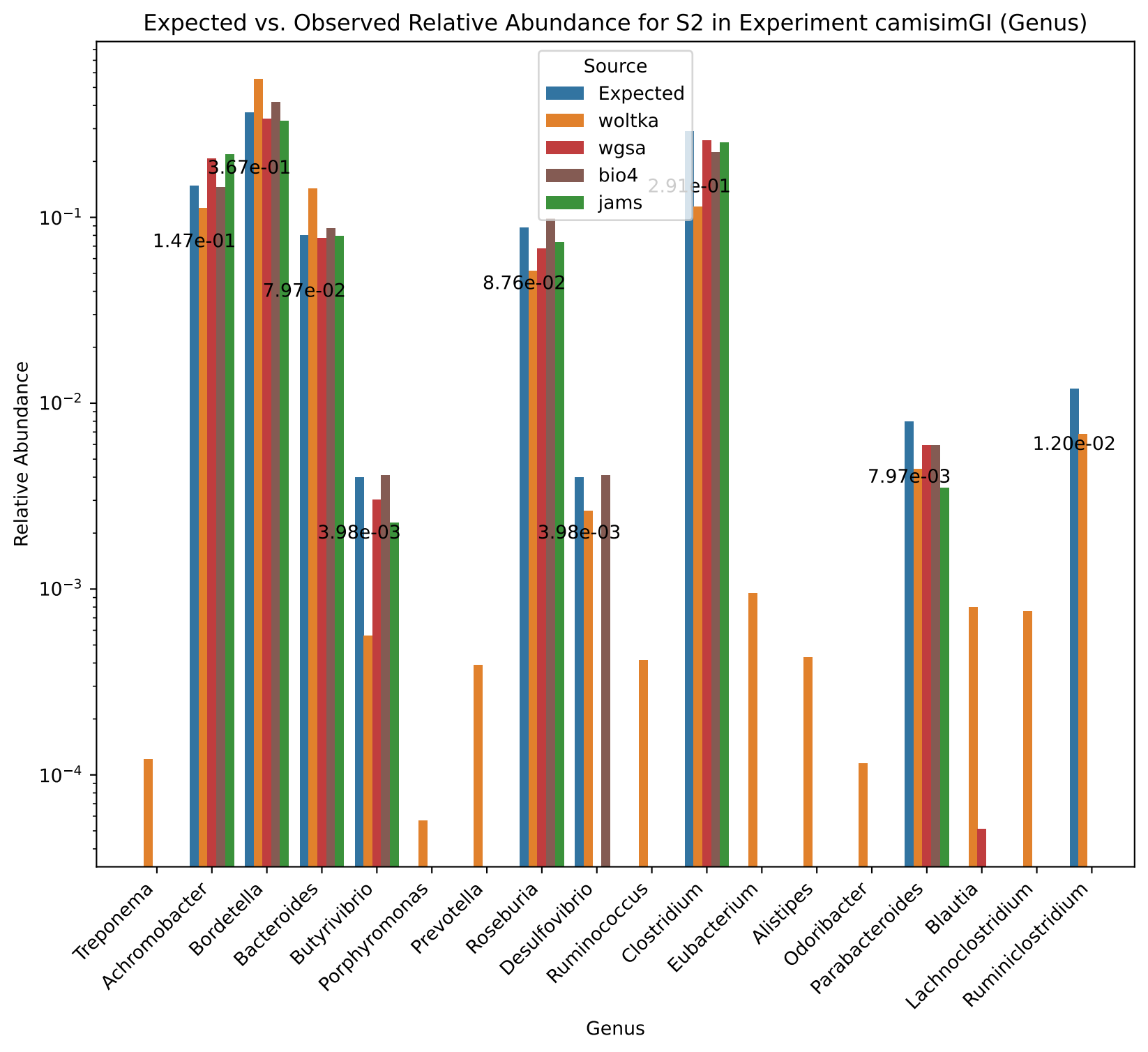


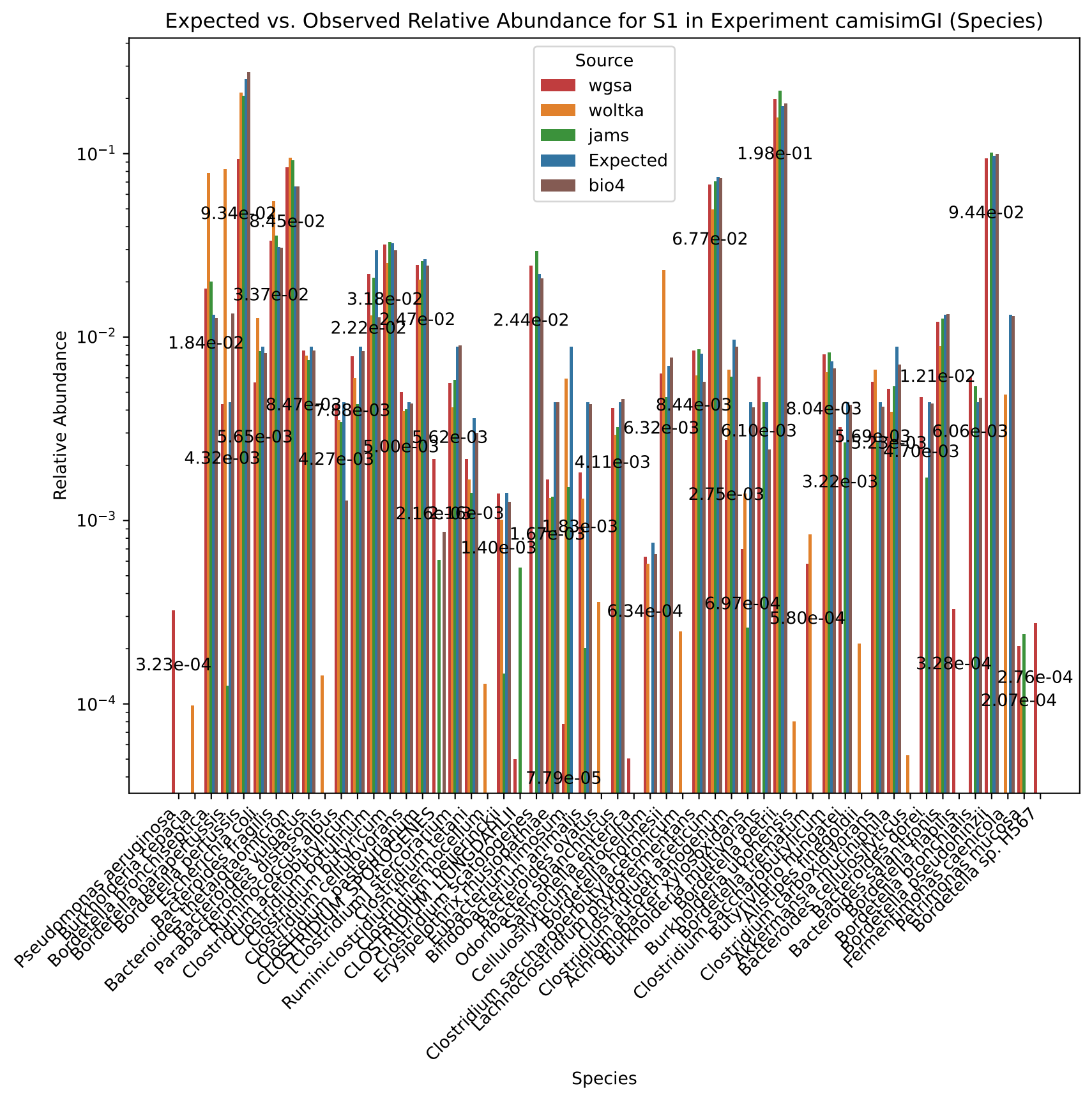
r^2 = 0.0109 for biobakery3	MAE = 0.1752 for biobakery3	Aitchison = 12.0621 for biobakery3
r^2 = 0.0127 for biobakery4	MAE = 0.1772 for biobakery4	Aitchison = 7.2019 for biobakery4
r^2 = 0.9957 for jams	MAE = 0.0045 for jams	Aitchison = 6.2063 for jams
r^2 = 0.9085 for wgsa2	MAE = 0.0032 for wgsa2	Aitchison = 11.8217 for wgsa2
r^2 = 0.6255 for woltka	MAE = 0.0182 for woltka	Aitchison = 12.4076 for woltka

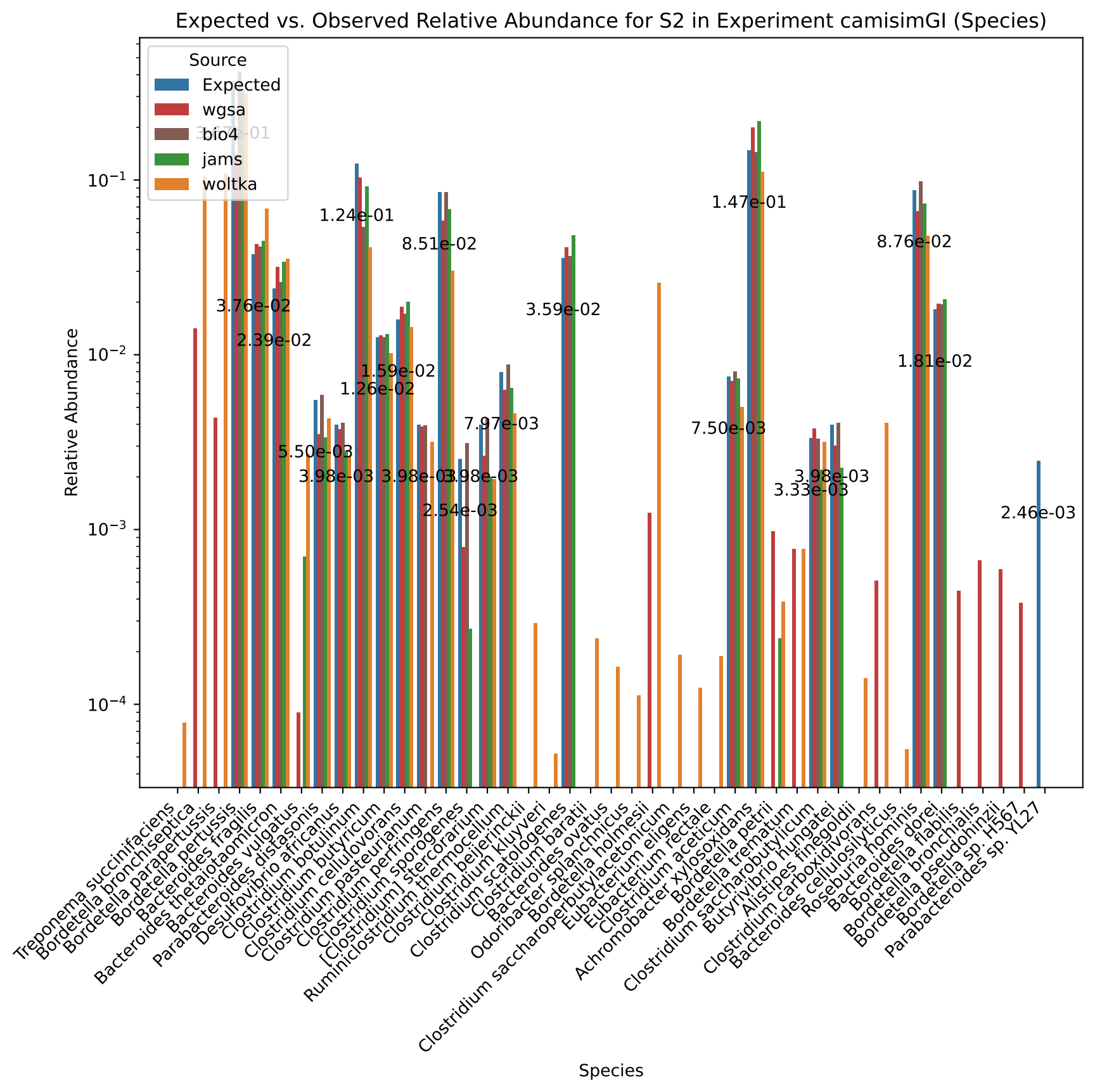


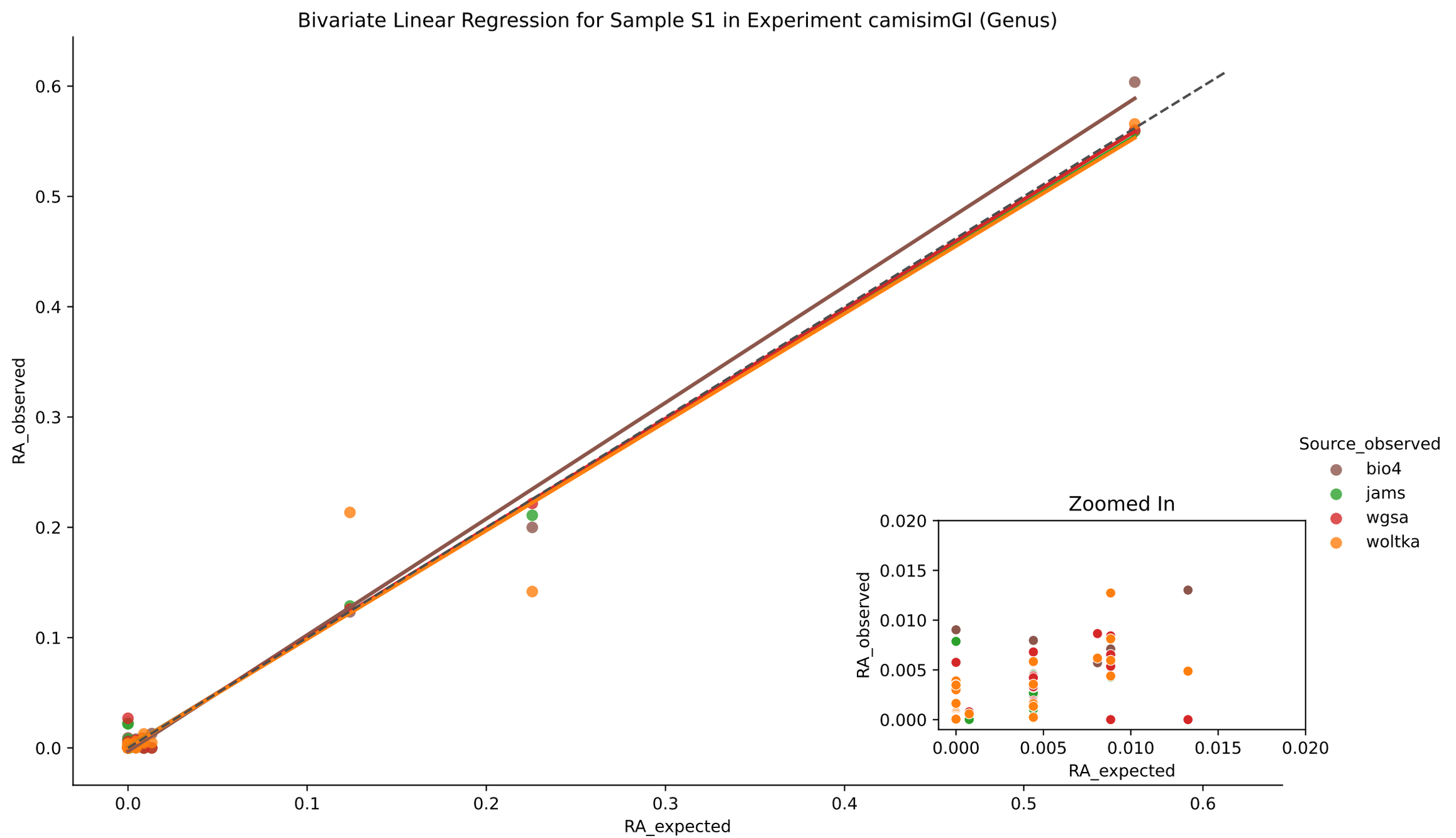
r² = 0.2333 for biobakery3	MAE = 0.0845 for biobakery3	Aitchison = 8.7173 for biobakery3
r² = 0.2316 for biobakery4	MAE = 0.0845 for biobakery4	Aitchison = 8.6479 for biobakery4
r² = 0.0000 for jams	MAE = 0.0349 for jams	Aitchison = 21.1326 for jams
r² = 0.0123 for wgsa2	MAE = 0.0111 for wgsa2	Aitchison = 32.0084 for wgsa2
r² = 0.0005 for woltka	MAE = 0.0154 for woltka	Aitchison = 32.4555 for woltka


Expected vs. Observed Relative Abundance for S1 in Experiment camisimGI (Genus)
Source
woltka
Expected
bio4
jams
wgsa
Relative Abundance
Genus
Achromobacter
Pseudomonas
Bordetella
Escherichia
Klebsiella
Salmonella
Bacteroides
Butyrivibrio
Prevotella
Ruminococcus
Clostridium
Erysipelothrix
Bifidobacterium
Eubacterium
Burkholderia
Cupriavidus
Alistipes
Akkermansia
Odoribacter
Petrimonas
Parabacteroides
Cellulosilyticum
Lachnoclostridium
Ruminiclostridium
Fermentimonas
Paraburkholderia
5.65e-01
2.13e-01
1.42e-01
1.27e-02
8.10e-03
6.17e-03
5.95e-03
5.83e-03
4.86e-03
4.38e-03
3.55e-03
3.00e-03
1.68e-03
1.60e-03
6.91e-04
5.80e-04
2.43e-04
2.37e-04
2.83e-04
1.74e-04
1.72e-04
1.08e-04

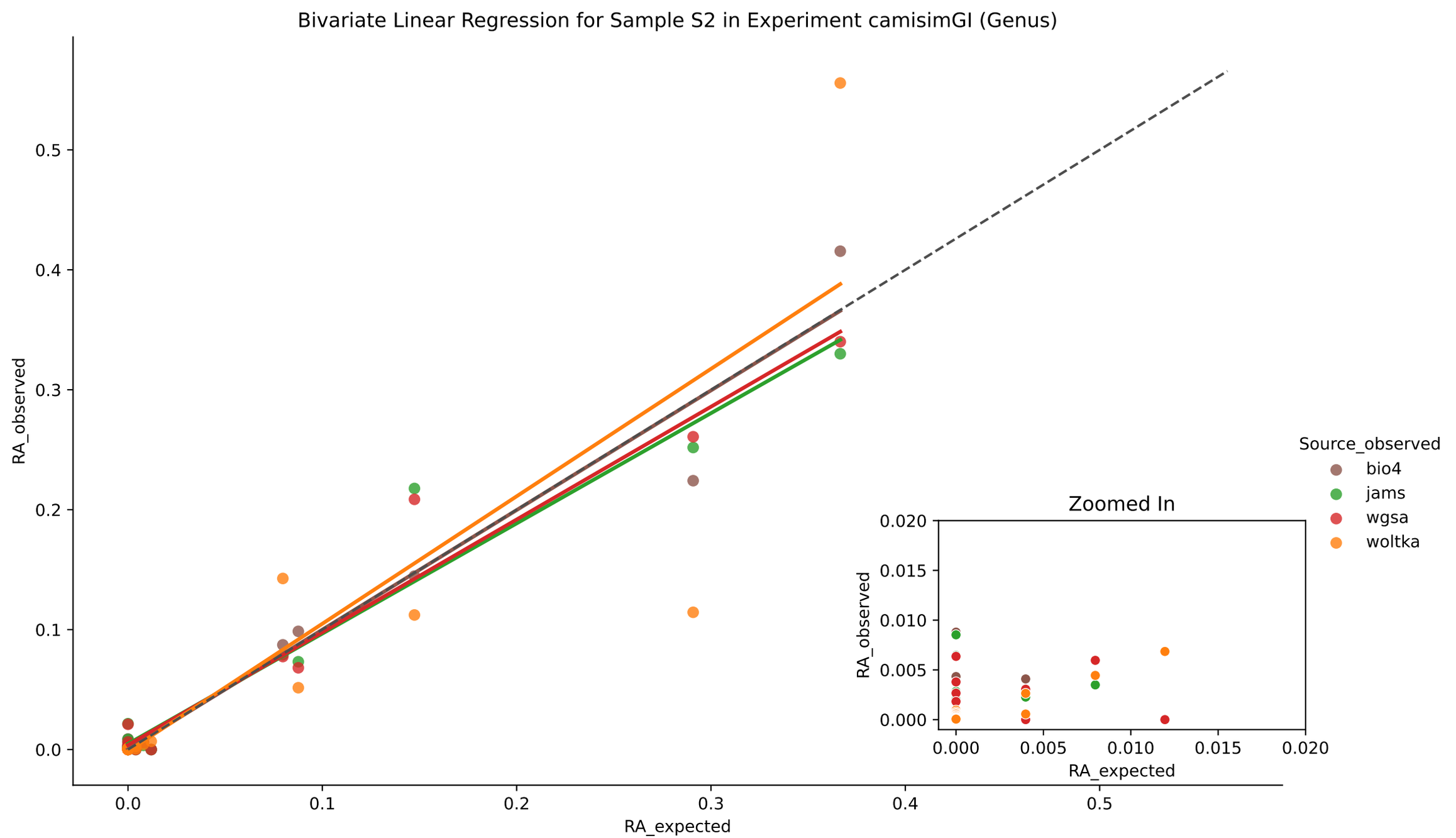

Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Genus)
Source
Expected
woltka
wgsa
bio4
jams
Relative Abundance
Genus
1.47e-01
3.67e-01
7.97e-02
3.98e-03
8.76e-02
3.98e-03
2.91e-01
7.97e-03
1.20e-02
Treponema
Achromobacter
Bordetella
Bacteroides
Butyrivibrio
Porphyromonas
Prevotella
Roseburia
Desulfovibrio
Ruminococcus
Clostridium
Eubacterium
Alistipes
Odoribacter
Parabacteroides
Blautia
Lachnoclostridium
Ruminiclostridium


Expected vs. Observed Relative Abundance for S1 in Experiment camisimGI (Species)
Source
wgsa
woltka
jams
Expected
bio4
Relative Abundance
Species
10^{-1}
10^{-2}
10^{-3}
10^{-4}
9.34e-02
8.45e-02
3.37e-02
1.84e-02
3.18e-02
2.47e-02
2.22e-02
2.44e-02
1.98e-01
6.77e-02
9.44e-02
1.21e-02
8.47e-03
7.88e-03
8.44e-03
8.04e-03
6.32e-03
6.10e-03
5.69e-03
6.06e-03
5.65e-03
5.62e-03
5.00e-03
4.70e-03
4.32e-03
4.27e-03
4.11e-03
3.22e-03
2.75e-03
2.16e-03
1.83e-03
1.67e-03
1.40e-03
6.34e-04
6.97e-04
5.80e-04
3.23e-04
3.28e-04
2.76e-04
2.07e-04
7.79e-05
Pseudomonas aeruginosa
Burkholderia cepacia
Bordetella bronchiseptica
Bordetella parapertussis
Bordetella pertussis
Escherichia coli
Bacteroides thetaiotaomicron
Bacteroides fragilis
Parabacteroides distasonis
Bacteroides vulgatus
Ruminococcus albus
Clostridium acetobutylicum
Clostridium butyricum
Clostridium cellulovorans
Clostridium pasteurianum
[Clostridium] SPOROGENES
Ruminiclostridium thermocellum
Clostridium tetani
CLOSTRIDIUM LUNGDAHLII
Clostridium stercorarium
Erysipelothrix rhusiopathiae
Bifidobacterium scatologenes
Fusobacterium nucleatum
Odoribacter splanchnicus
Bacteroides oleiciplenus
Cellulosilyticum lentocellicola
Salmonella enterica
Bordetella holmesii
Clostridium saccharoperbutylacetonicum
Bordetella phytofermentans
Clostridium autoethanogenum
Achromobacter xylosoxidans
Burkholderia multivorans
Bordetella petrii
Burkholderia ubonensis
Clostridium saccharobutylicum
Bordetella trematum
Butyrivibrio hungatei
Alistipes finegoldii
Clostridium carboxidivorans
Akkermansia muciniphila
Bacteroides cellulosilyticus
Bacteroides salanitronis
Bordetella dorei
Bordetella hinzii
Bordetella bronchialis
Bordetella pseudohinzii
Fermentimonas caenicola
Petrimonas mucosa
Bordetella sp. H567


Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Species)
Source
Expected
wgsa
bio4
jams
woltka
Relative Abundance
Species
1.24e-01
8.51e-02
3.76e-02
2.39e-02
3.59e-02
1.59e-02
1.26e-02
7.97e-03
5.50e-03
3.98e-03
3.98e-03
3.98e-03
2.54e-03
1.47e-01
7.50e-03
8.76e-02
1.81e-02
3.98e-03
3.33e-03
2.46e-03
Treponema succinifaciens
Bordetella bronchiseptica
Bordetella parapertussis
Bordetella pertussis
Bacteroides thetaiotaomicron
Bacteroides fragilis
Parabacteroides vulgatus
Bacteroides distasonis
Desulfovibrio africanus
Clostridium butyricum
Clostridium botulinum
Clostridium cellulovorans
Clostridium pasteurianum
Clostridium perfringens
[Clostridium] sporogenes
Ruminiclostridium thermocellum
Clostridium] stercorarium
Clostridium beijerinckii
Clostridium kluyveri
Clostridium scatologenes
Clostridium baratii
Bacteroides ovatus
Odoribacter splanchnicus
Bordetella holmesii
Eubacterium eligens
Eubacterium rectale
Clostridium aceticum
Achromobacter xylosoxidans
Bordetella petrii
Bordetella trematum
Clostridium saccharobutylicum
Butyrivibrio hungatei
Alistipes finegoldii
Clostridium carboxidivorans
Bacteroides cellulosilyticus
Roseburia hominis
Bacteroides dorei
Bordetella flabilis
Bordetella bronchialis
Bordetella pseudohinzii
Parabacteroides sp. YL27



r^2 = 0.9952 for bio4	MAE = 0.0061 for bio4	Aitchison = 2.2893 for bio4
r^2 = 0.9953 for jams	MAE = 0.0053 for jams	Aitchison = 7.9072 for jams
r^2 = 0.9969 for wgsa	MAE = 0.0027 for wgsa	Aitchison = 11.3403 for wgsa
r^2 = 0.9585 for woltka	MAE = 0.0047 for woltka	Aitchison = 8.6005 for woltka

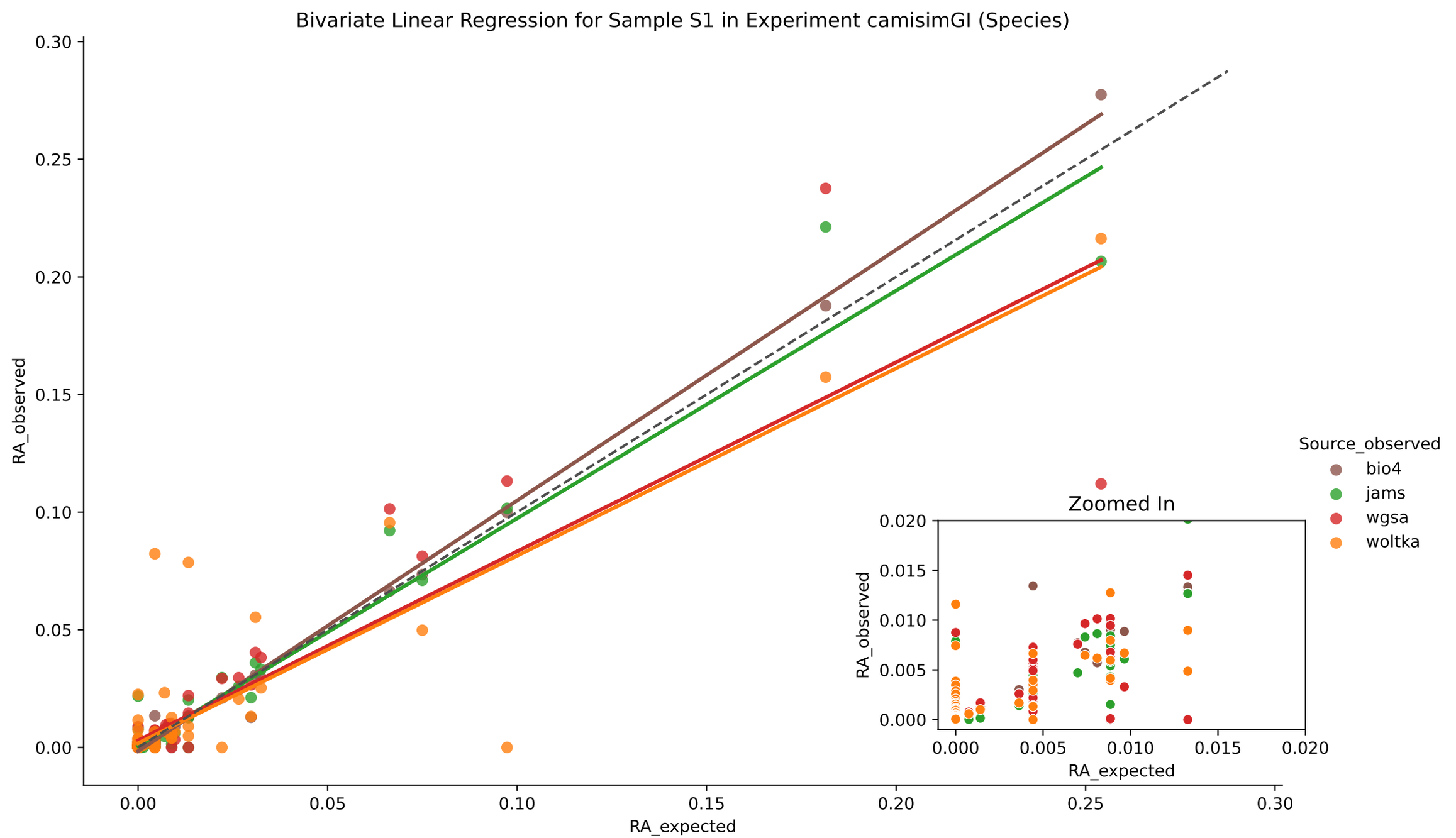


r² = 0.9591 for bio4 MAE = 0.0139 for bio4 Aitchison = 1.1809 for bio4

r² = 0.9567 for jams MAE = 0.0133 for jams Aitchison = 5.6146 for jams

r² = 0.9675 for wgsa MAE = 0.0121 for wgsa Aitchison = 13.6916 for wgsa

r² = 0.7840 for woltka MAE = 0.0114 for woltka Aitchison = 5.7578 for woltka

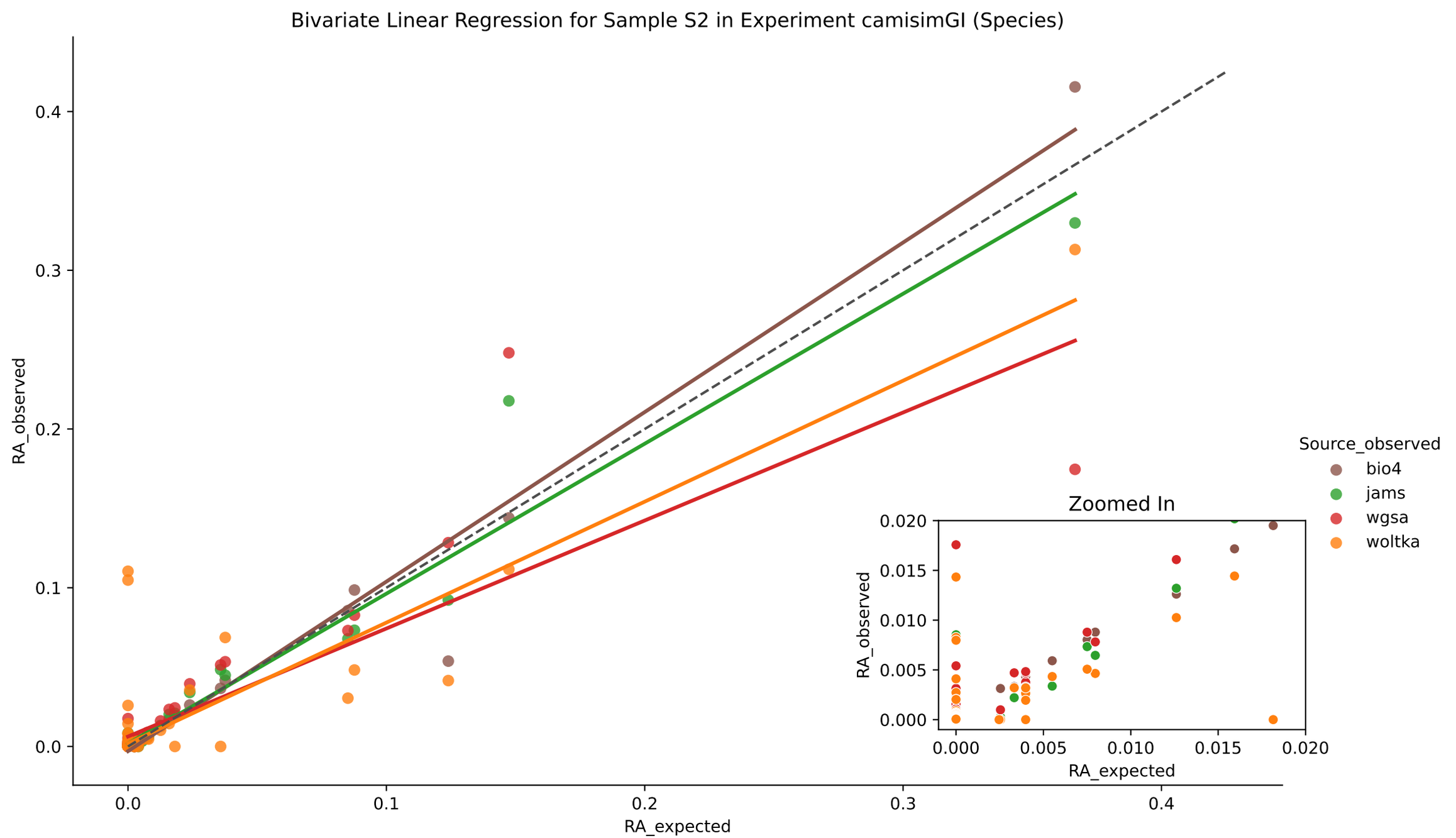


r^2 = 0.9939 for bio4 | MAE = 0.0024 for bio4 | Aitchison = 3.8408 for bio4

r^2 = 0.9466 for jams | MAE = 0.0045 for jams | Aitchison = 10.7537 for jams

r^2 = 0.7639 for wgsa | MAE = 0.0058 for wgsa | Aitchison = 9.3724 for wgsa

r^2 = 0.7717 for woltka | MAE = 0.0053 for woltka | Aitchison = 20.6629 for woltka



r^2 = 0.9610 for bio4	MAE = 0.0066 for bio4	Aitchison = 1.5382 for bio4
r^2 = 0.9478 for jams	MAE = 0.0077 for jams	Aitchison = 6.2316 for jams
r^2 = 0.7193 for wgsa	MAE = 0.0084 for wgsa	Aitchison = 7.4472 for wgsa
r^2 = 0.7678 for woltka	MAE = 0.0053 for woltka	Aitchison = 21.1390 for woltka

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

SampleID
expected
SRR17380244
SRR17380241
SRR17380242
SRR17380243
SRR17380246
SRR17380245

Relative Abundance

0.1
0.01
0.001

PSEUDOMONAS
ESCHERICHIA
BACTEROIDES
MEGASPHAERA
RUMINOCOCCUS
STAPHYLOCOCCUS
STREPTOCOCCUS
BACILLUS
LACTOBACILLUS
BIFIDOBACTERIUM
COLLINSELLA
MEGAMONAS
ANAEROSTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
FLAVONIFRACTOR
LACHNOCLOSTRIDIUM
CUTIBACTERIUM
ENTEROCLOSTER

genus

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

SampleID
expected
SRR17380244
SRR17380241
SRR17380242
SRR17380243
SRR17380246
SRR17380245

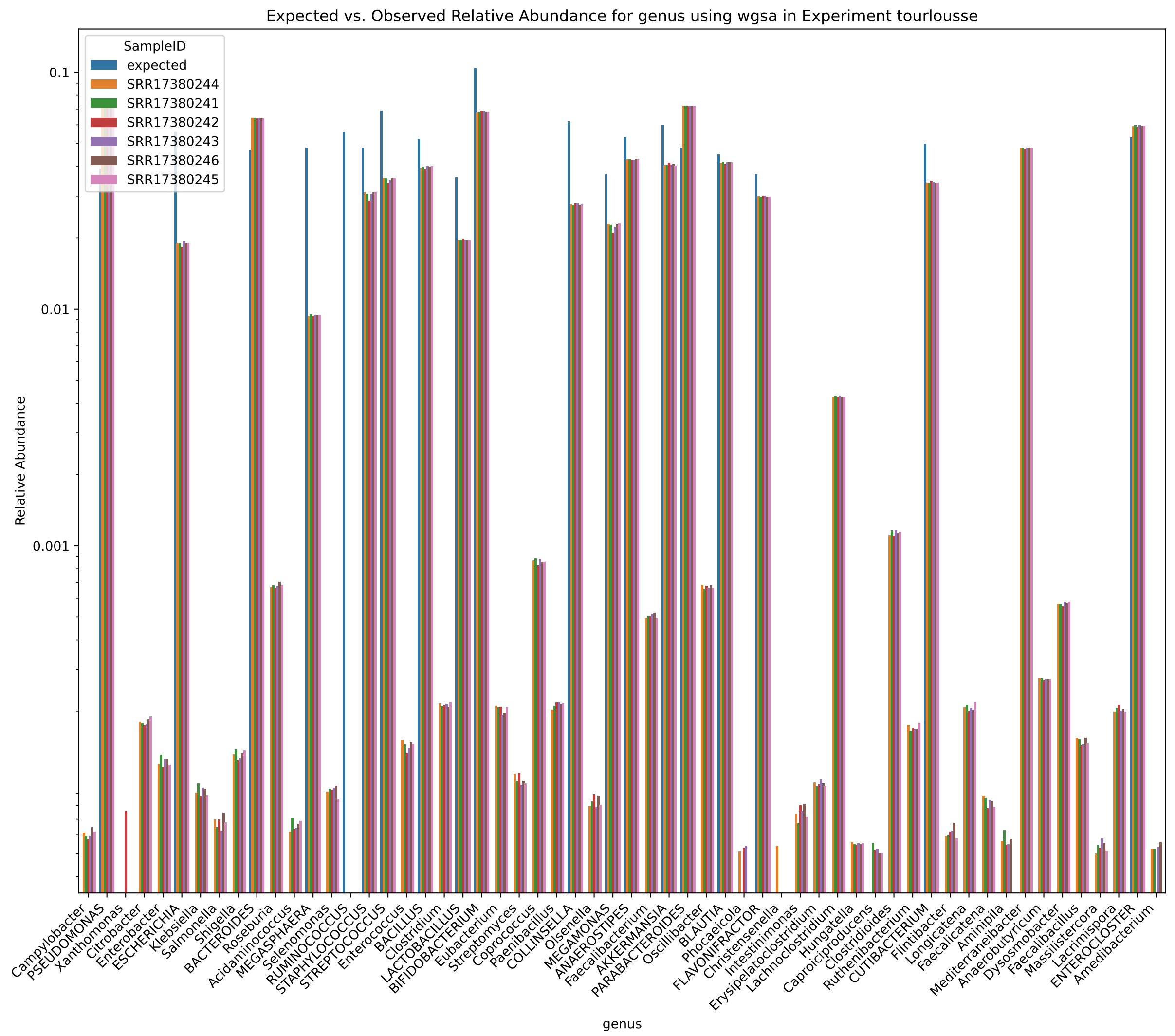
Relative Abundance

0.1
0.01
0.001

CAMPYLOBACTER
PSEUDOMONAS
CITROBACTER
ESCHERICHIA
BACTEROIDES
MEGASPHAERA
RUMINOCOCCUS
STAPHYLOCOCCUS
STREPTOCOCCUS
ENTEROCOCCUS
BACILLUS
LACTOBACILLUS
BIFIDOBACTERIUM
COLLINSELLA
MEGAMONAS
ANAEROSTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
FLAVONIFRACTOR
EISENBERGIELLA
CLOSTRIDIOIDES
CUTIBACTERIUM
ENTEROCLOSTER
SPOROFACIENS

genus

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



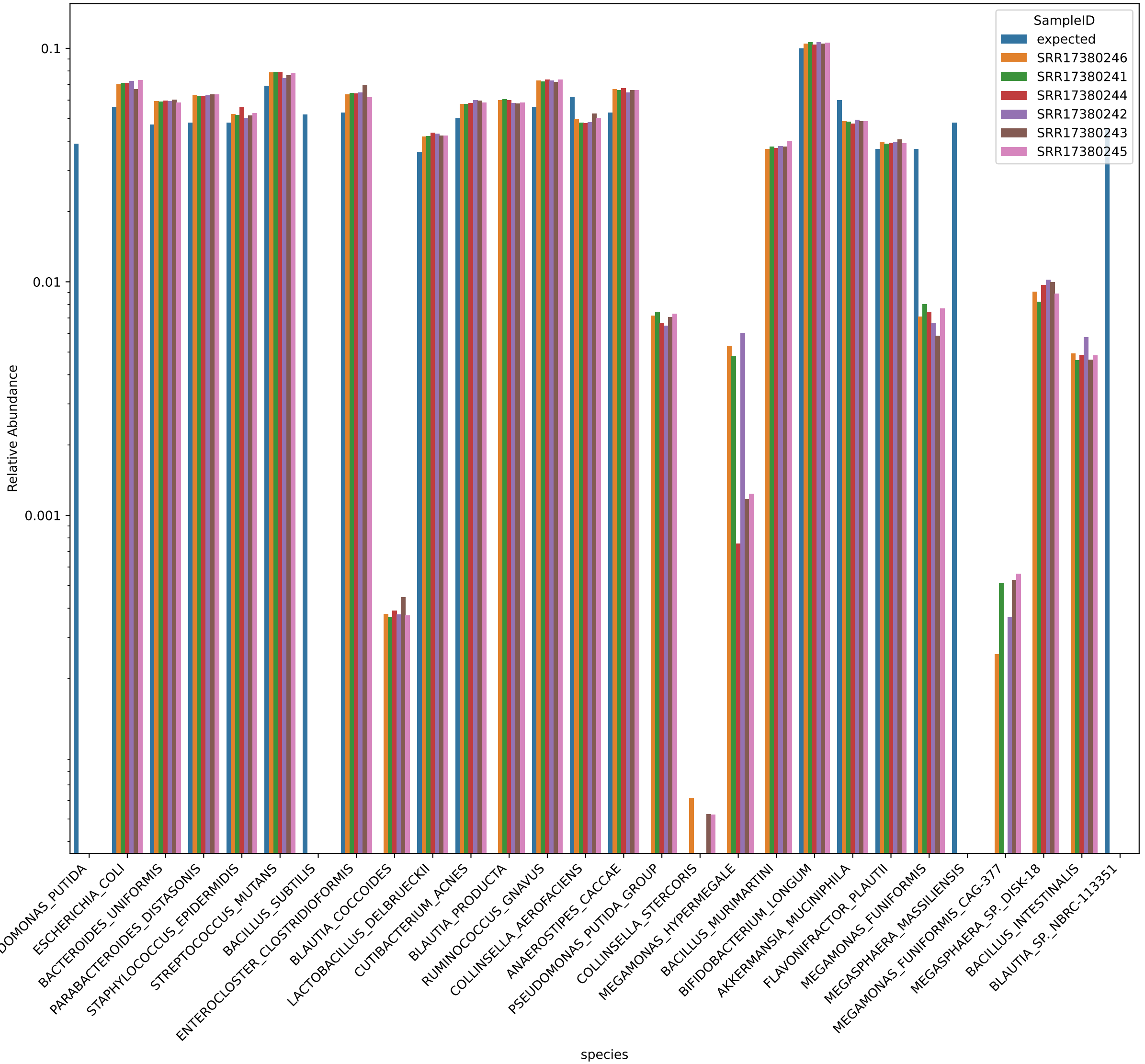
Expected vs. Observed Relative Abundance for genus using woltka in Experiment tourlousse

SampleID
expected
SRR17380244
SRR17380241
SRR17380242
SRR17380243
SRR17380246
SRR17380245

0.1
0.01
0.001
Relative Abundance

genus

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



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

SampleID
expected
SRR17380246
SRR17380241
SRR17380244
SRR17380242
SRR17380243
SRR17380245

Relative Abundance
0.1
0.01
0.001

CAMPYLOBACTER_COLI
PSEUDOMONAS_PUTIDA
ESCHERICHIA_COLI
BACTEROIDES_FRAGILIS
BACTEROIDES_THETAIOTAOMICRON
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
STAPHYLOCOCCUS_AUREUS
STAPHYLOCOCCUS_EPIDERMIDIS
STREPTOCOCCUS_MUTANS
ENTEROCOCCUS_FAECIUM
BACILLUS_SUBTILIS
CLOSTRIDIOIDES_DIFFICILE
ENTEROCLOSTER_CLOSTRIDIOFORMIS
LACTOBACILLUS_DELBRUECKII
CUTIBACTERIUM_ACNES
BACTEROIDES_EGGERTHII
BLAUTIA_PRODUCTA
RUMINOCOCCUS_GNAVUS
COLLINSELLA_AEROFACIENS
ANAEROSTIPES_CACCAE
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
FLAVONIFRACTOR_PLAUTII
BACTEROIDES_INTESTINALIS
BACTEROIDES_FINEGOLDII
MEGAMONAS_FUNIFORMIS
BACTEROIDES_SP._3-1-23
MEGASPHAERA_MASSILIENSIS
STAPHYLOCOCCUS_SP._HMSC076E07
EISENBERGIELLA_MASSILIENSIS
BLAUTIA_MARASMI
BLAUTIA_SP._AF13-16
BLAUTIA_SP._AM47-4
PARABACTEROIDES_SP._AF27-14
SPOROFACIENS_MUSCULI
CITROBACTER_SP._RHBSTW-00053
BLAUTIA_SP._NSJ-34
BLAUTIA_SP._NBRC-113351
AKKERMANSIA_PHAGE_DTMO-2021A

species

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

SampleID
expected
SRR17380246
SRR17380241
SRR17380244
SRR17380242
SRR17380243
SRR17380245

Relative Abundance

0.1
0.01
0.001

PSEUDOMONAS_PUTIDA
ESCHERICHIA_COLI
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
Faecalibacterium_prausnitzii
Megasphaera_elsdenii
STAPHYLOCOCCUS_EPIDERMIDIS
Staphylococcus_haemolyticus
STREPTOCOCCUS_MUTANS
Blautia_hansenii
ENTEROCOCCUS_FAECIUM
BACILLUS_SUBTILIS
Bacillus_atrophaeus
Clostridioides_difficile
Clostridium_perfringens
Clostridium_innocuum
ENTEROCLOSTER_CLOSTRIDIOFORMIS
CLOSTRIDIUM_BOLTAE
LACTOBACILLUS_DELBRUECKII
Bifidobacterium_adolescentis
Bifidobacterium_bifidum
Bifidobacterium_breve
Eubacterium_catenulatum
CUTIBACTERIUM_ACNES
Salmonella_enterica
Clostridium_scindens
RUMINOCOCCUS_GNAVUS
Blautia_producta
Ruminococcus_torques
Anaerobutyricum_hallii
Blautia_obeum
Bacillus_velezensis
COLLINSELLA_AEROFACIENS
Lacrimispora_saccharolyticum
ANAEROSTIPES_CACCAE
Coprococcus_catus
Hungatella_hathewayi
Megamonas_hypermegale
Roseburia_intestinalis
Enterocloster_bolteae
BIFIDOBACTERIUM_LONGUM
Escherichia_albertii
AKKERMANSIA_MUCINIPHILA
FLAVONIFRACTOR_PLAUTII
Bacillus_tequilensis
MEGAMONAS_FUNIFORMIS
Bacillus_halotolerans
Roseburia_hominis
Coprococcus_comes
Xanthomonas_euvesicatoria
Bacillus_inaquosorum
Anaerostipes_hadrus
MEGASPHAERA_MASSILIENSIS
Intestinimonas_butyriciproducens
Ruthenibacterium_lactatiformans
Escherichia_marmotae
Longicatena_caecimuris
Lachnoclostridium_sp._YL32
Lachnoclostridium_phocaeense
Faecalibacillus_intestinalis
Escherichia_sp._E4742
Bacillus_argi
Massilistercora_timonensis
Dysosmobacter_welbionis
Olsenella_sp._MBGL19
Oscillibacter_sp._PEA192
Megasphaera_stantonii
Blautia_sp._GAM18
Amnibacterium_kyonggiense
Blautia_sp._SC05B48
Flintibacter_butyricus
Oscillibacter_sp._KGMB00164
Oscillibacter_sp._NSJ-18
Faecalicatena_sp._MM3O
Dysosmobacter_sp._NSJ-61
BLAUTIA_SP._Marseille-Q4148
Marseille-Q4140
Marseille-Q3351
BLAUTIA_SP._NBRC_113351

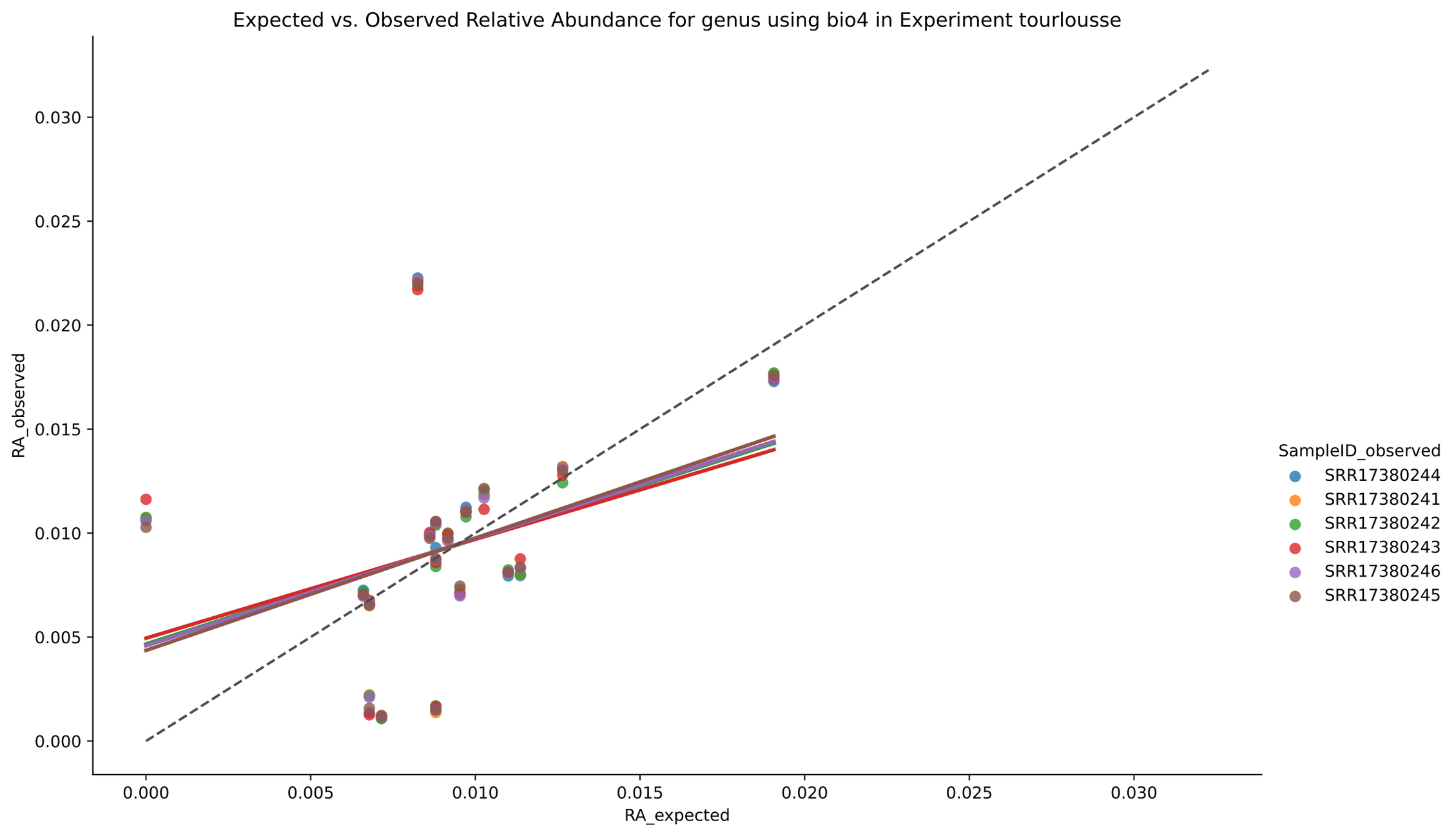
species

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

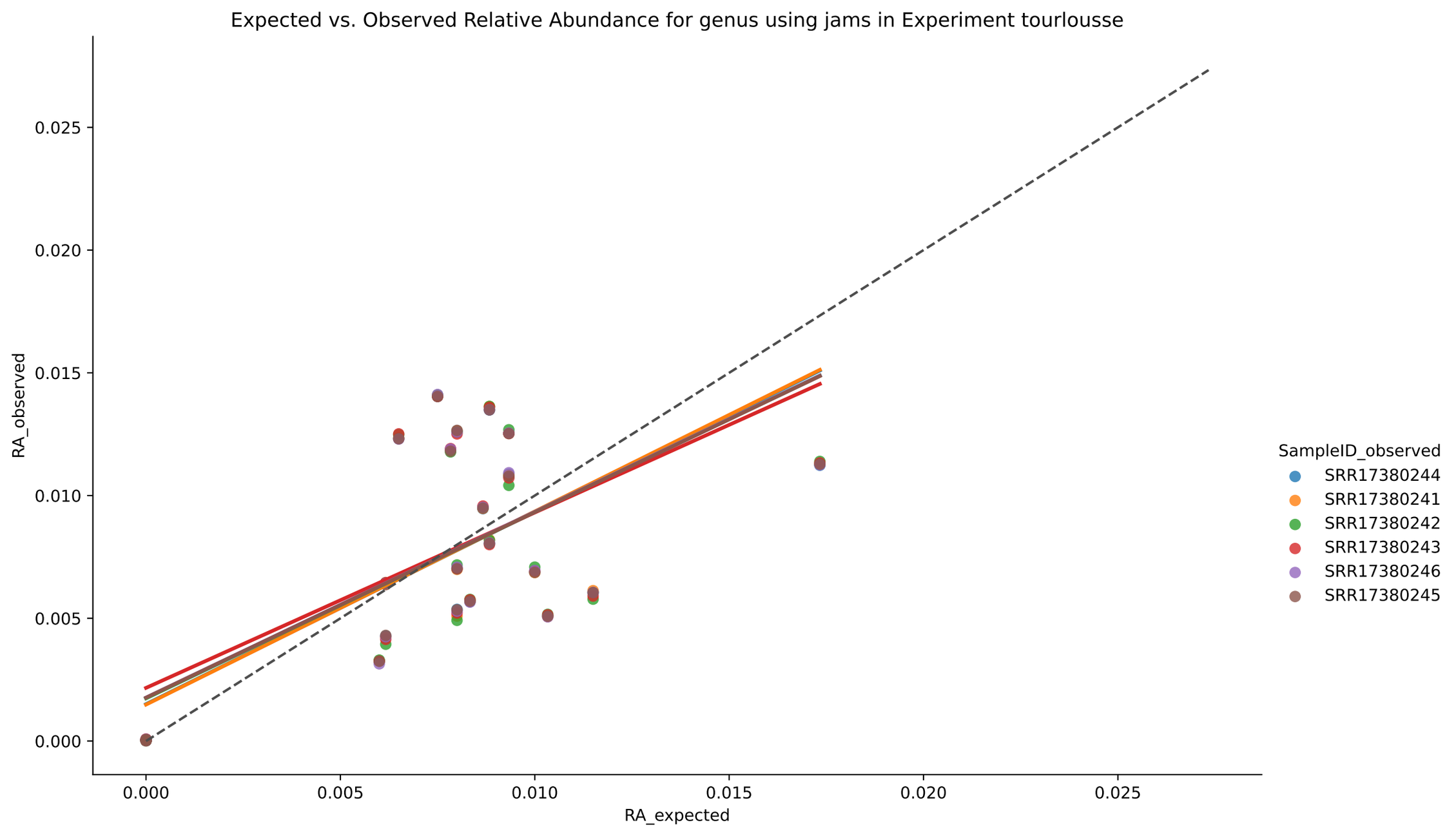
SampleID
expected
SRR17380246
SRR17380241
SRR17380244
SRR17380242
SRR17380243
SRR17380245

Relative Abundance
0.1
0.01
0.001

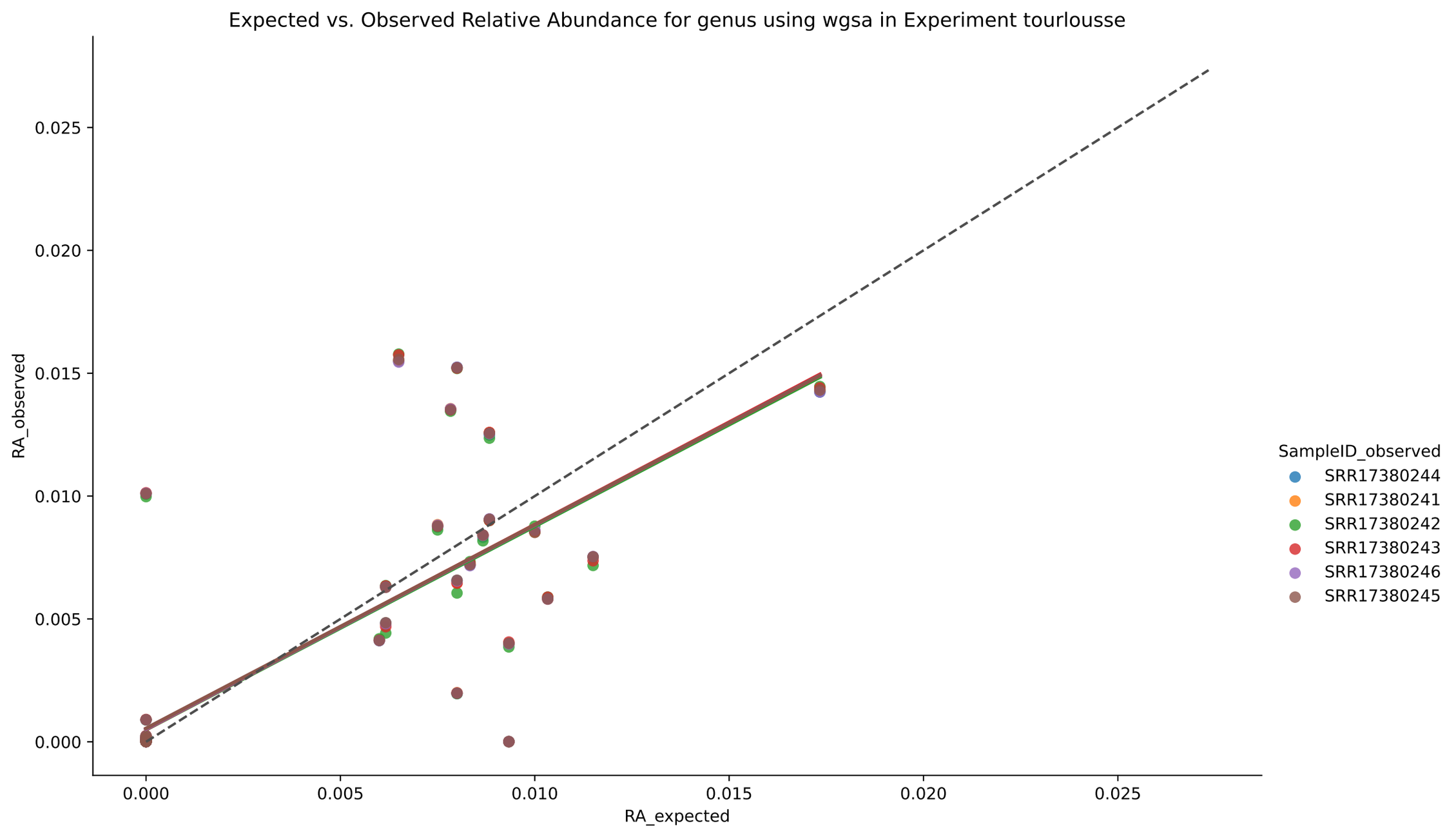
species



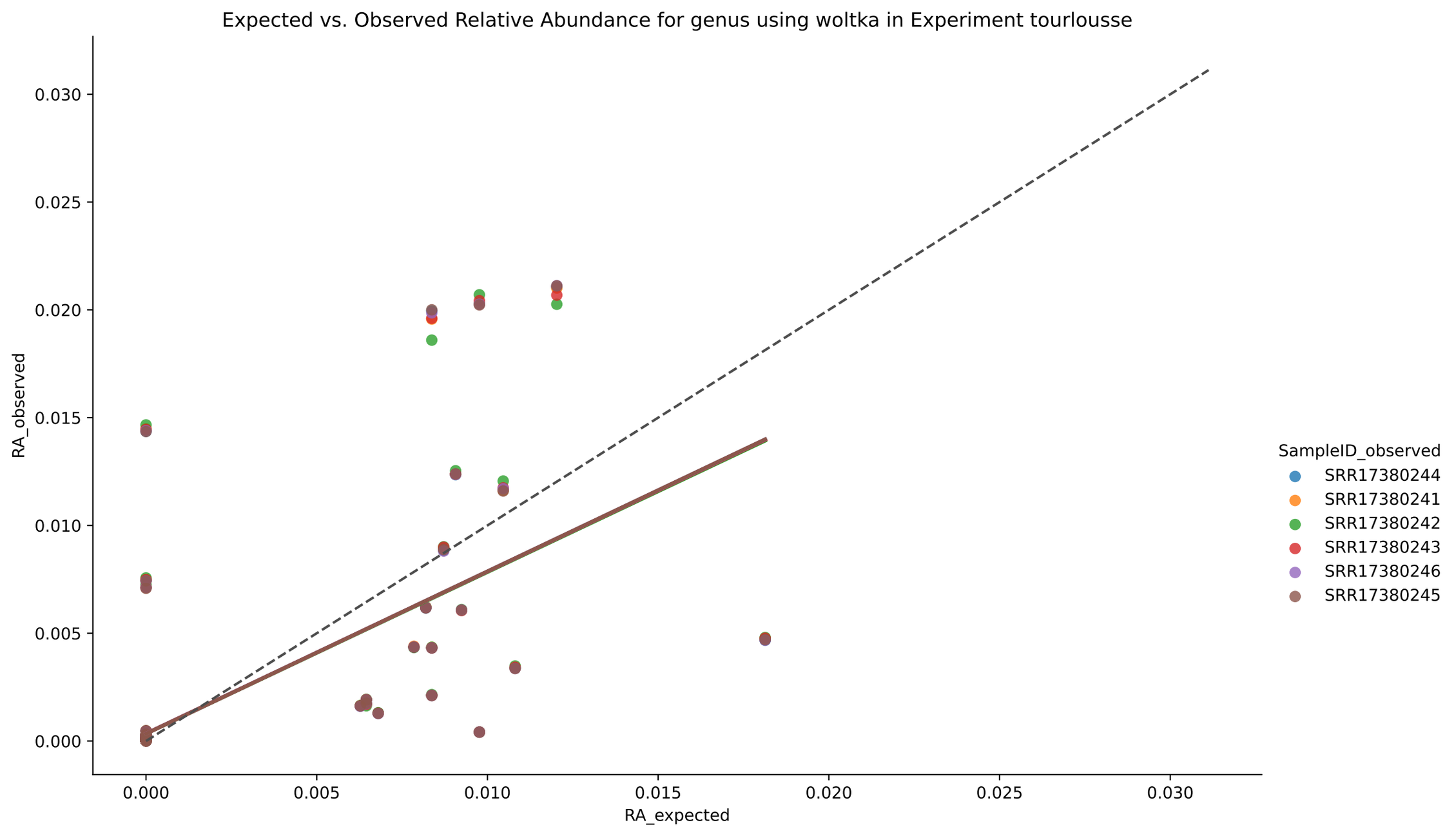
r² = 0.1306 for SRR17380241	MAE = 0.0034 for SRR17380241	Aitchison = 4.2938 for SRR17380241
r² = 0.1303 for SRR17380242	MAE = 0.0033 for SRR17380242	Aitchison = 4.2657 for SRR17380242
r² = 0.1133 for SRR17380243	MAE = 0.0033 for SRR17380243	Aitchison = 4.4591 for SRR17380243
r² = 0.1242 for SRR17380244	MAE = 0.0035 for SRR17380244	Aitchison = 4.4172 for SRR17380244
r² = 0.1432 for SRR17380245	MAE = 0.0033 for SRR17380245	Aitchison = 4.3296 for SRR17380245
r² = 0.1313 for SRR17380246	MAE = 0.0033 for SRR17380246	Aitchison = 4.2718 for SRR17380246



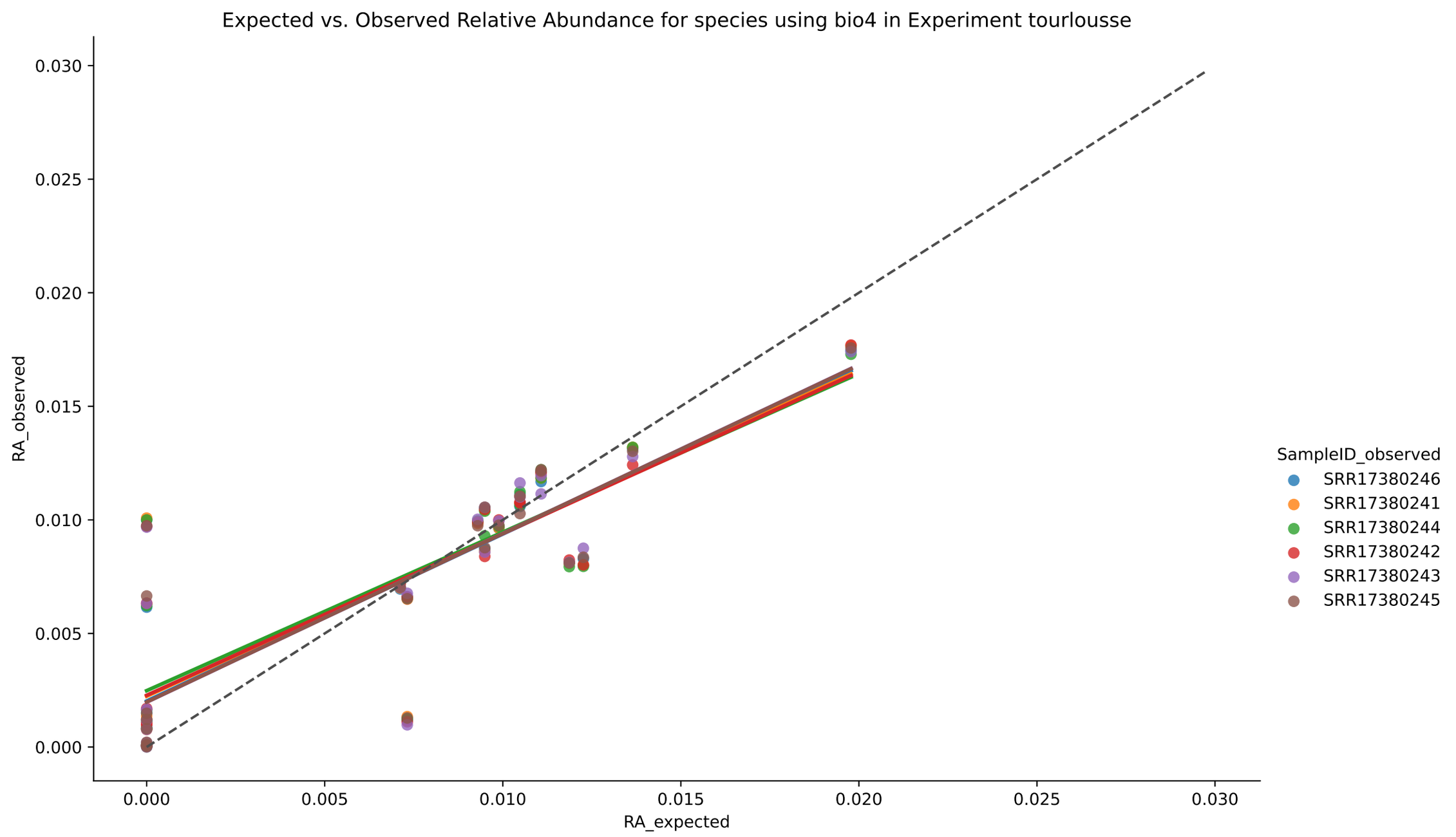
r^2 = 0.4974 for SRR17380241	MAE = 0.0026 for SRR17380241	Aitchison = 5.2116 for SRR17380241
r^2 = 0.4477 for SRR17380242	MAE = 0.0028 for SRR17380242	Aitchison = 5.1857 for SRR17380242
r^2 = 0.3850 for SRR17380243	MAE = 0.0029 for SRR17380243	Aitchison = 4.1564 for SRR17380243
r^2 = 0.4980 for SRR17380244	MAE = 0.0026 for SRR17380244	Aitchison = 4.9049 for SRR17380244
r^2 = 0.4518 for SRR17380245	MAE = 0.0027 for SRR17380245	Aitchison = 4.5268 for SRR17380245
r^2 = 0.4493 for SRR17380246	MAE = 0.0028 for SRR17380246	Aitchison = 4.3584 for SRR17380246



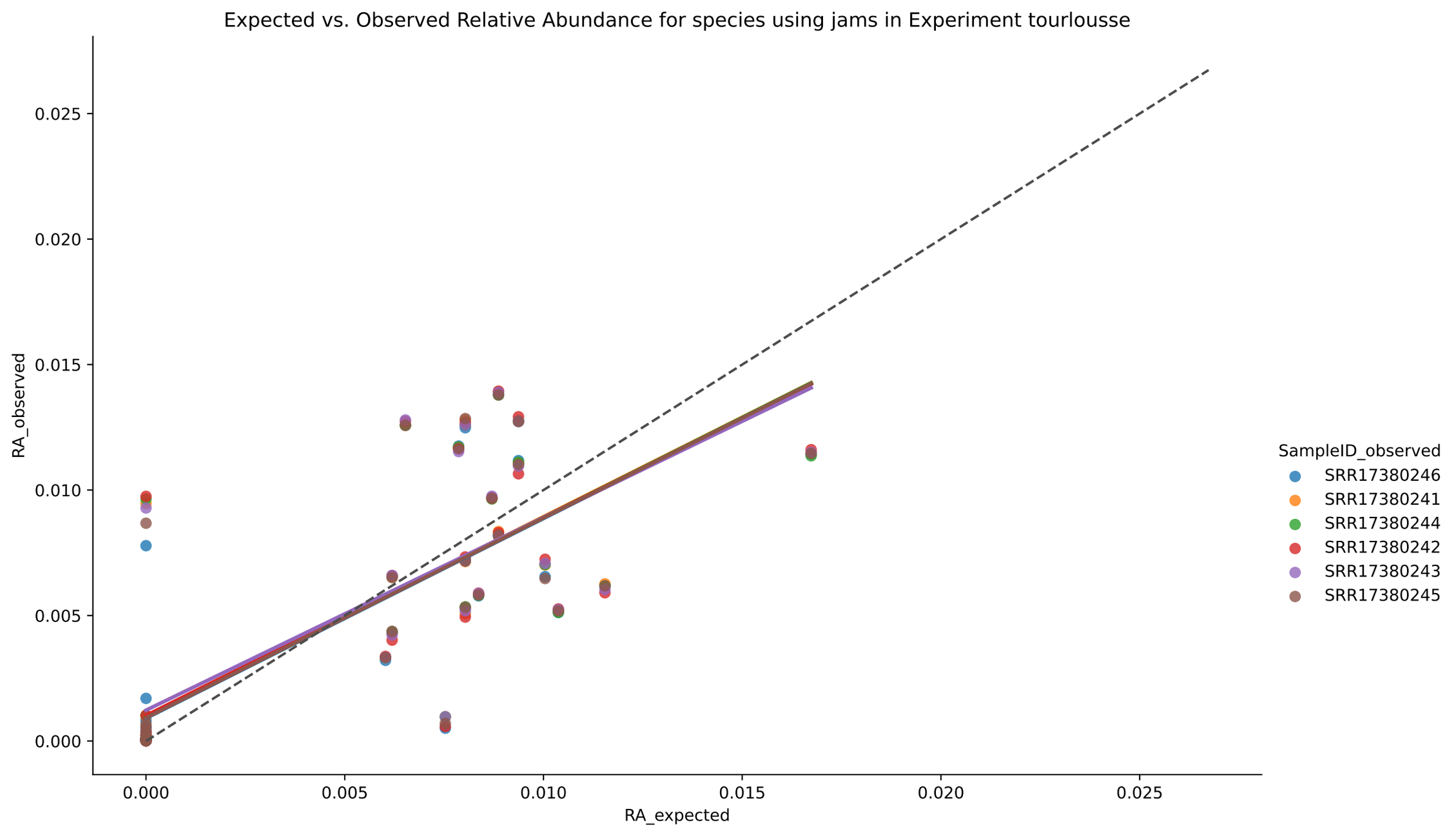
r^2 = 0.6152 for SRR17380241	MAE = 0.0015 for SRR17380241	Aitchison = 10.9405 for SRR17380241
r^2 = 0.6148 for SRR17380242	MAE = 0.0014 for SRR17380242	Aitchison = 11.0936 for SRR17380242
r^2 = 0.6169 for SRR17380243	MAE = 0.0014 for SRR17380243	Aitchison = 11.0917 for SRR17380243
r^2 = 0.6181 for SRR17380244	MAE = 0.0014 for SRR17380244	Aitchison = 11.1039 for SRR17380244
r^2 = 0.6104 for SRR17380245	MAE = 0.0015 for SRR17380245	Aitchison = 10.8461 for SRR17380245
r^2 = 0.6156 for SRR17380246	MAE = 0.0015 for SRR17380246	Aitchison = 10.8822 for SRR17380246



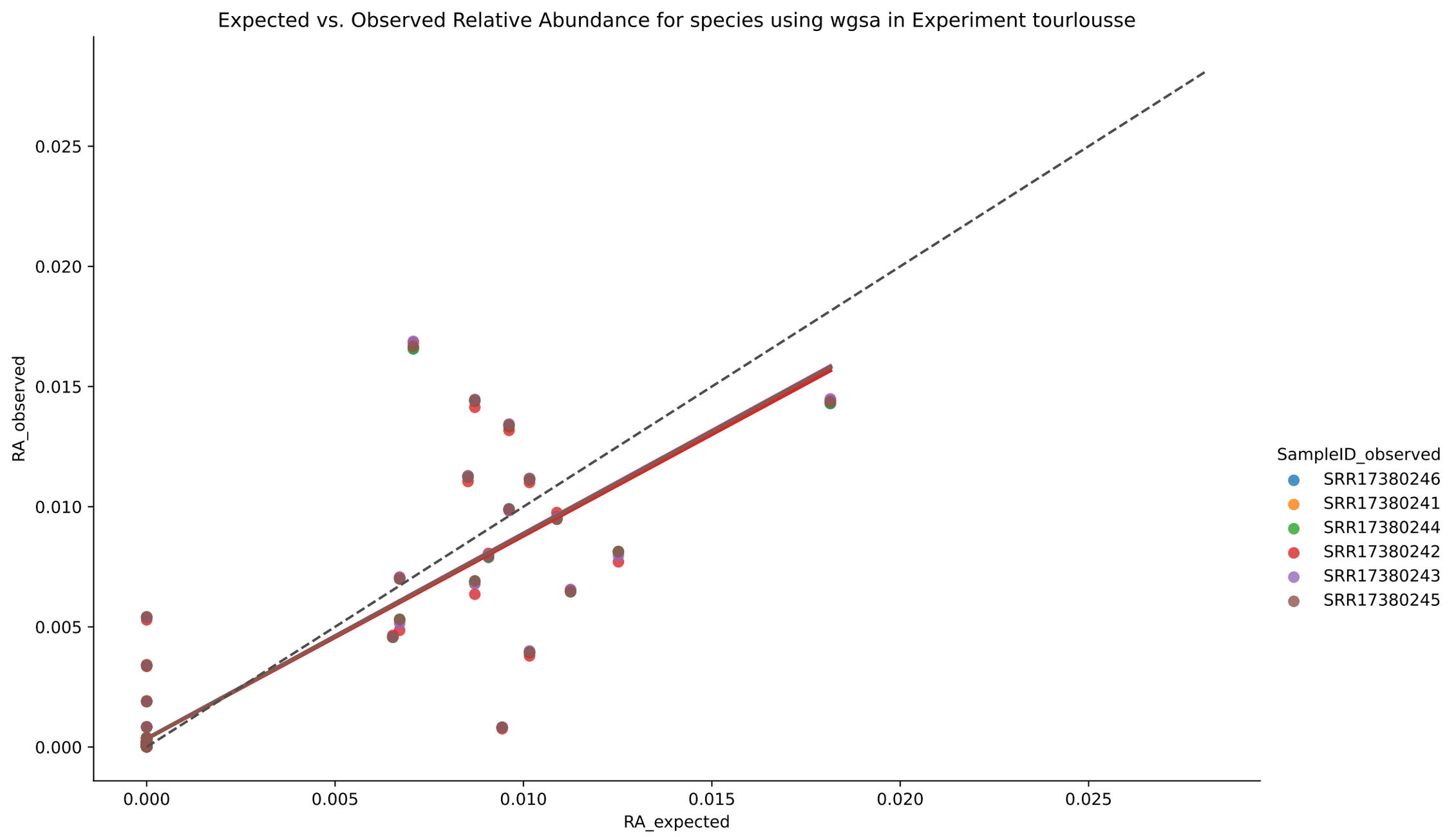
r² = 0.4325 for SRR17380241	MAE = 0.0011 for SRR17380241	Aitchison = 15.9087 for SRR17380241
r² = 0.4356 for SRR17380242	MAE = 0.0011 for SRR17380242	Aitchison = 15.9307 for SRR17380242
r² = 0.4320 for SRR17380243	MAE = 0.0011 for SRR17380243	Aitchison = 15.7342 for SRR17380243
r² = 0.4307 for SRR17380244	MAE = 0.0011 for SRR17380244	Aitchison = 15.7961 for SRR17380244
r² = 0.4308 for SRR17380245	MAE = 0.0011 for SRR17380245	Aitchison = 15.8261 for SRR17380245
r² = 0.4302 for SRR17380246	MAE = 0.0011 for SRR17380246	Aitchison = 15.7529 for SRR17380246



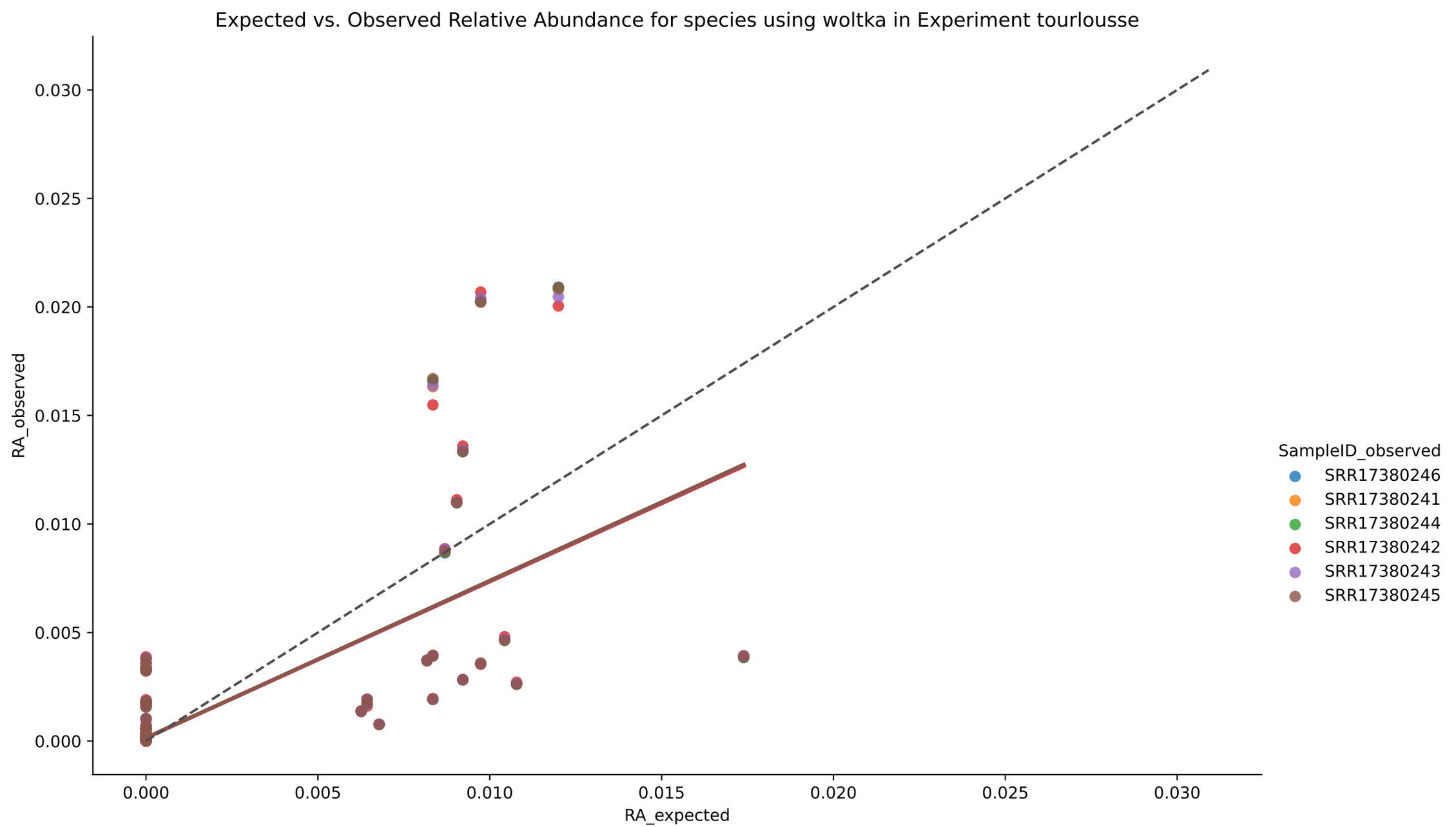
r^2 = 0.6987 for SRR17380241	MAE = 0.0019 for SRR17380241	Aitchison = 5.7678 for SRR17380241
r^2 = 0.7011 for SRR17380242	MAE = 0.0019 for SRR17380242	Aitchison = 5.9895 for SRR17380242
r^2 = 0.7253 for SRR17380243	MAE = 0.0018 for SRR17380243	Aitchison = 6.9231 for SRR17380243
r^2 = 0.6743 for SRR17380244	MAE = 0.0019 for SRR17380244	Aitchison = 5.5557 for SRR17380244
r^2 = 0.7210 for SRR17380245	MAE = 0.0018 for SRR17380245	Aitchison = 6.8893 for SRR17380245
r^2 = 0.7198 for SRR17380246	MAE = 0.0018 for SRR17380246	Aitchison = 7.0552 for SRR17380246



r^2 = 0.5926 for SRR17380241	MAE = 0.0021 for SRR17380241	Aitchison = 7.8473 for SRR17380241
r^2 = 0.5823 for SRR17380242	MAE = 0.0021 for SRR17380242	Aitchison = 8.1240 for SRR17380242
r^2 = 0.5480 for SRR17380243	MAE = 0.0024 for SRR17380243	Aitchison = 7.0295 for SRR17380243
r^2 = 0.5999 for SRR17380244	MAE = 0.0021 for SRR17380244	Aitchison = 7.5939 for SRR17380244
r^2 = 0.6082 for SRR17380245	MAE = 0.0021 for SRR17380245	Aitchison = 8.0444 for SRR17380245
r^2 = 0.6223 for SRR17380246	MAE = 0.0020 for SRR17380246	Aitchison = 8.2609 for SRR17380246

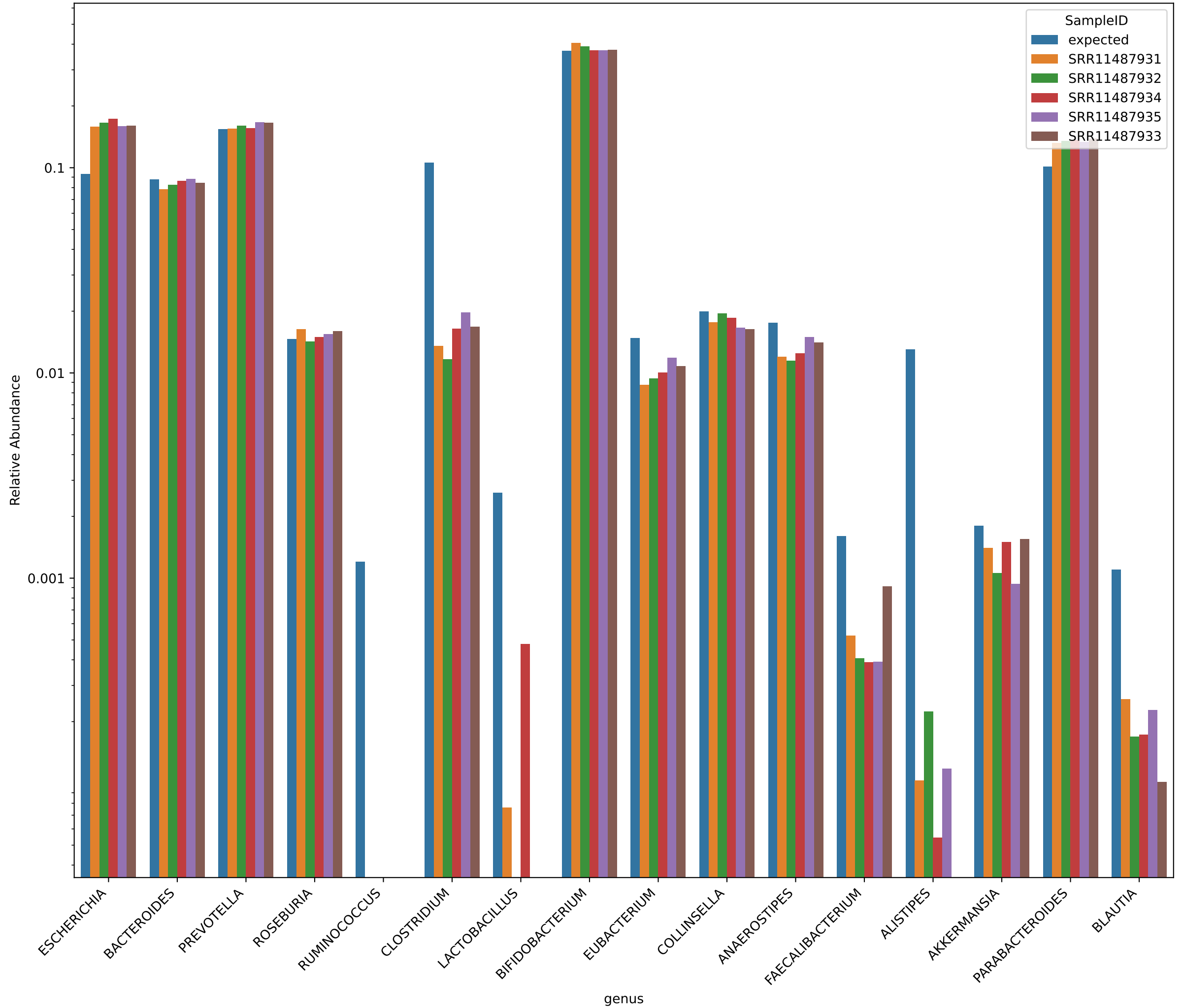


r^2 = 0.7412 for SRR17380241	MAE = 0.0009 for SRR17380241	Aitchison = 11.8634 for SRR17380241
r^2 = 0.7369 for SRR17380242	MAE = 0.0010 for SRR17380242	Aitchison = 11.6311 for SRR17380242
r^2 = 0.7385 for SRR17380243	MAE = 0.0010 for SRR17380243	Aitchison = 11.7023 for SRR17380243
r^2 = 0.7414 for SRR17380244	MAE = 0.0009 for SRR17380244	Aitchison = 11.6304 for SRR17380244
r^2 = 0.7416 for SRR17380245	MAE = 0.0009 for SRR17380245	Aitchison = 11.7707 for SRR17380245
r^2 = 0.7408 for SRR17380246	MAE = 0.0010 for SRR17380246	Aitchison = 11.6345 for SRR17380246

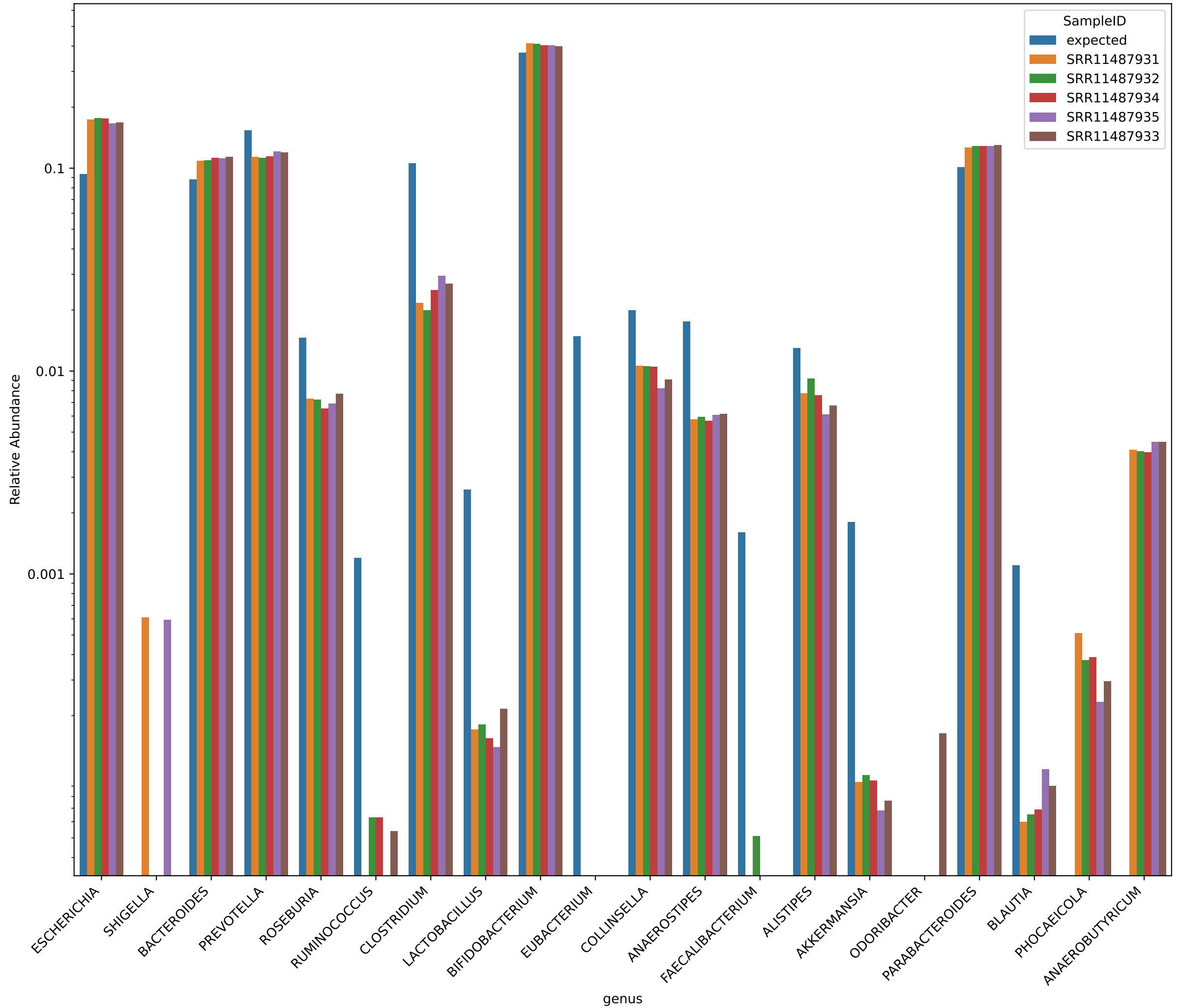


r^2 = 0.5101 for SRR17380241	MAE = 0.0005 for SRR17380241	Aitchison = 26.7964 for SRR17380241
r^2 = 0.5140 for SRR17380242	MAE = 0.0005 for SRR17380242	Aitchison = 26.8613 for SRR17380242
r^2 = 0.5105 for SRR17380243	MAE = 0.0005 for SRR17380243	Aitchison = 26.5409 for SRR17380243
r^2 = 0.5079 for SRR17380244	MAE = 0.0005 for SRR17380244	Aitchison = 26.5987 for SRR17380244
r^2 = 0.5077 for SRR17380245	MAE = 0.0005 for SRR17380245	Aitchison = 26.5505 for SRR17380245
r^2 = 0.5077 for SRR17380246	MAE = 0.0005 for SRR17380246	Aitchison = 26.6309 for SRR17380246

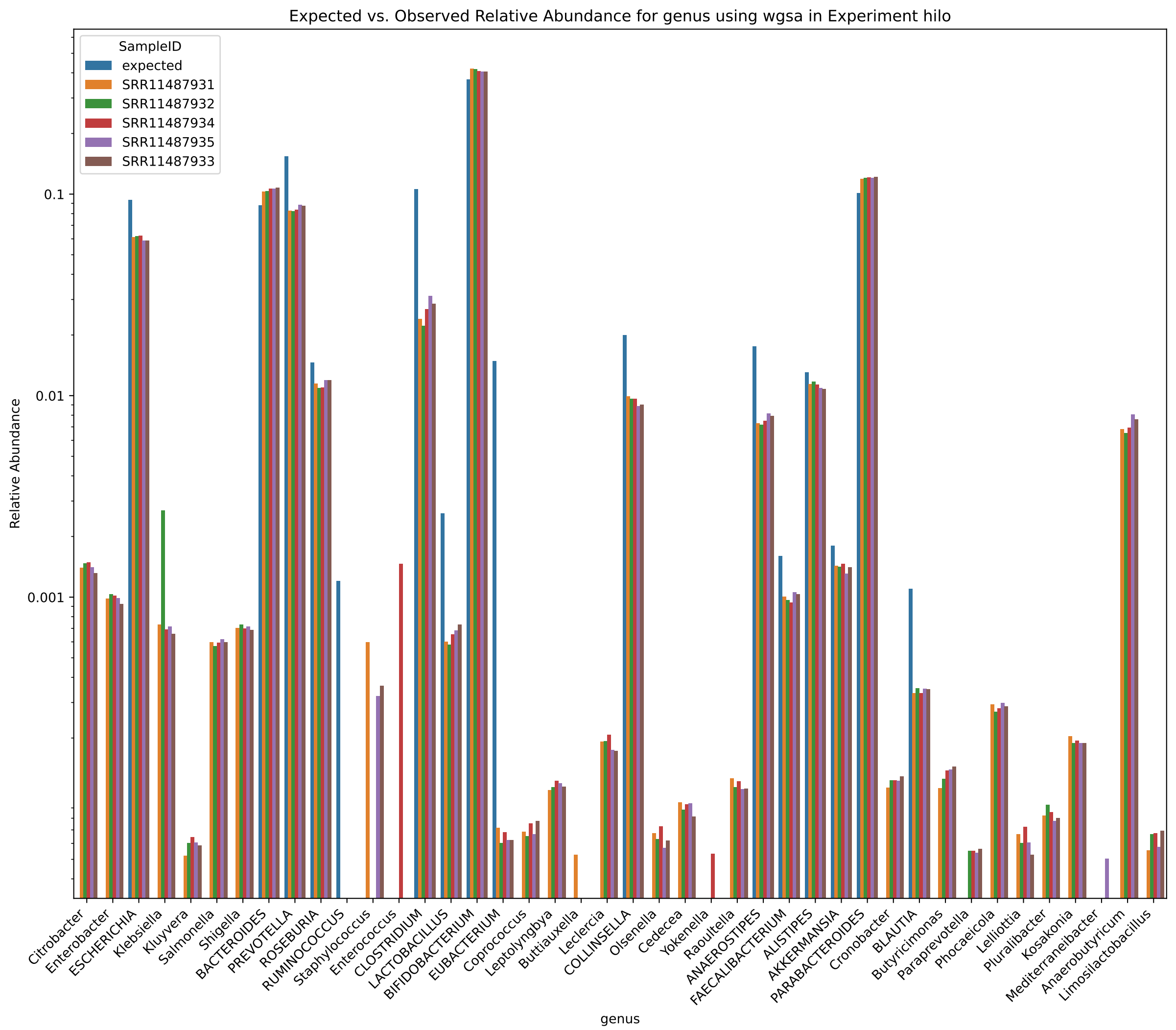
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment hilo



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



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



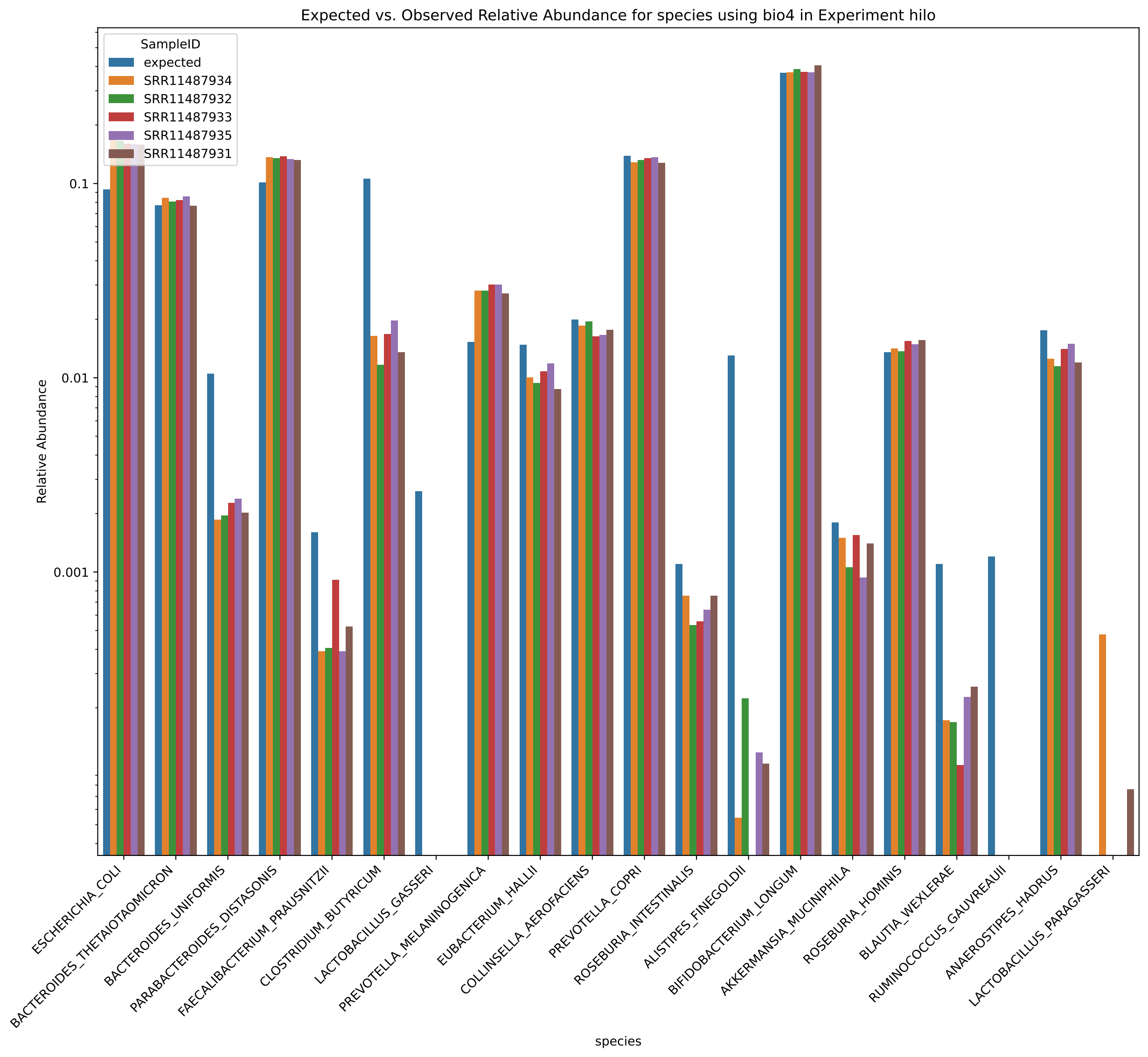
Expected vs. Observed Relative Abundance for genus using wol in Experiment hilo

SampleID
expected
SRR11487931
SRR11487932
SRR11487934
SRR11487935
SRR11487933

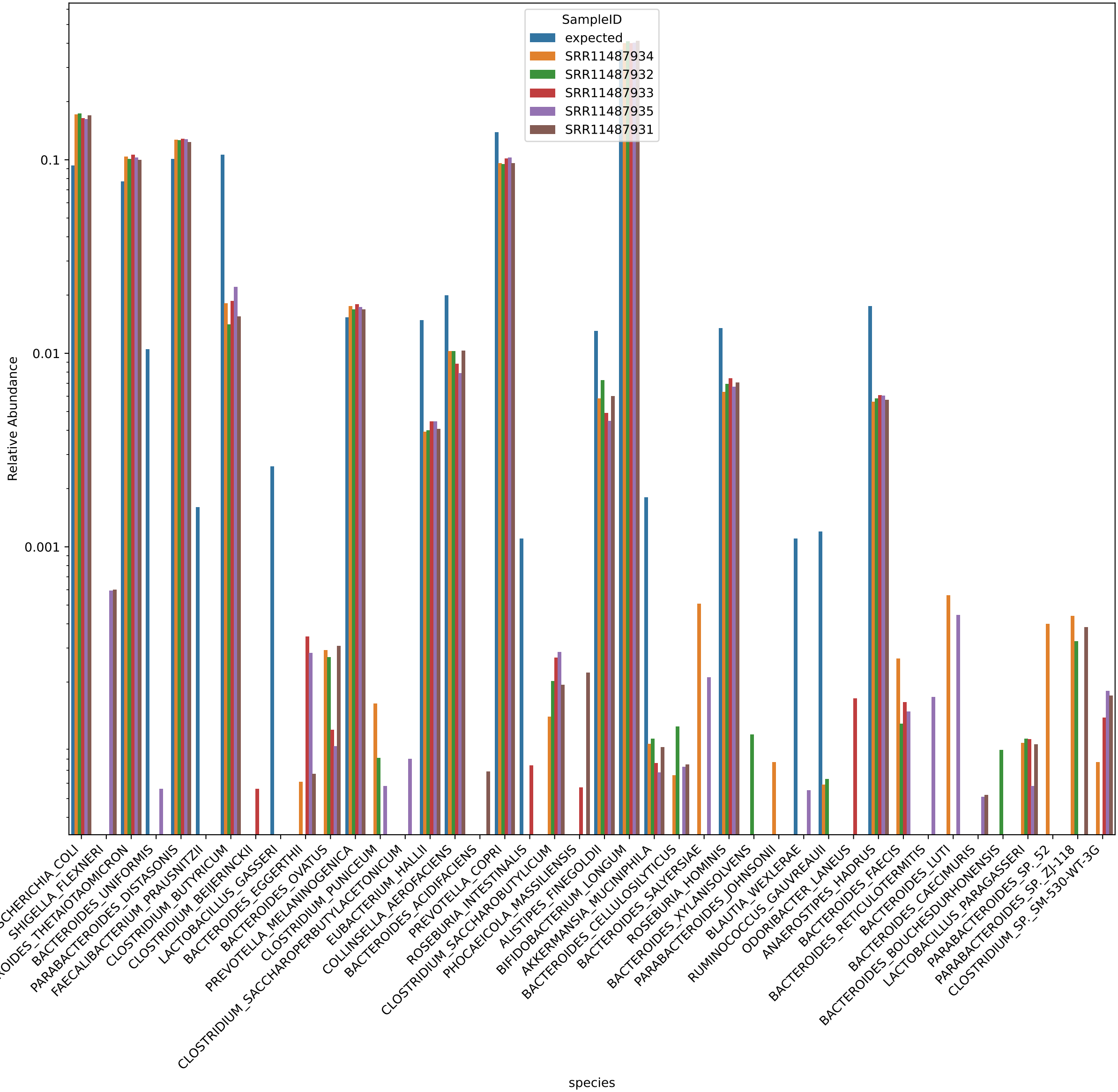
Relative Abundance
0.1
0.01
0.001

genus
Helicobacter
Acinetobacter
Citrobacter
Enterobacter
ESCHERICHIA
Klebsiella
Kluyvera
Morganella
Salmonella
Shigella
Xenorhabdus
Haemophilus
Chlamydia
BACTEROIDES
Butyrivibrio
Fibrobacter
Porphyromonas
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
Microcystis
Bacillus
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
Corynebacterium
EUBACTERIUM
Methanosarcina
Gardnerella
Coprococcus
Arthrospira
Paktoea
Lamprocystis
Chryseobacterium
Obesumbacterium
Lecercia
COLLINSELLA
Gallibacterium
Cedecea
Trabulsiella
Yokenella
Raoultella
Dorea
Tannerella
Scardovia
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
Subdoligranulum
PARABACTEROIDES
Odoribacter
Barnesiella
Cronobacter
Lactonifactor
Oscillibacter
BLAUTIA
Paraprevotella
Gillisella
Lelliottia
Pluralibacter
Kosakonia
Shimwellia
Coprobacter
Intestinimonas
Fusicatenibacter
Erysipelatoclostridium
Lachnoclostridium
Tyzzerella
Faecalitalea
Franconibacter
Siccibacter
Atlantibacter
Ruthenibacterium
Emergencia
Culturomica
Mediterranea
Prevotellamassilia
Angelakisella
Rappaport

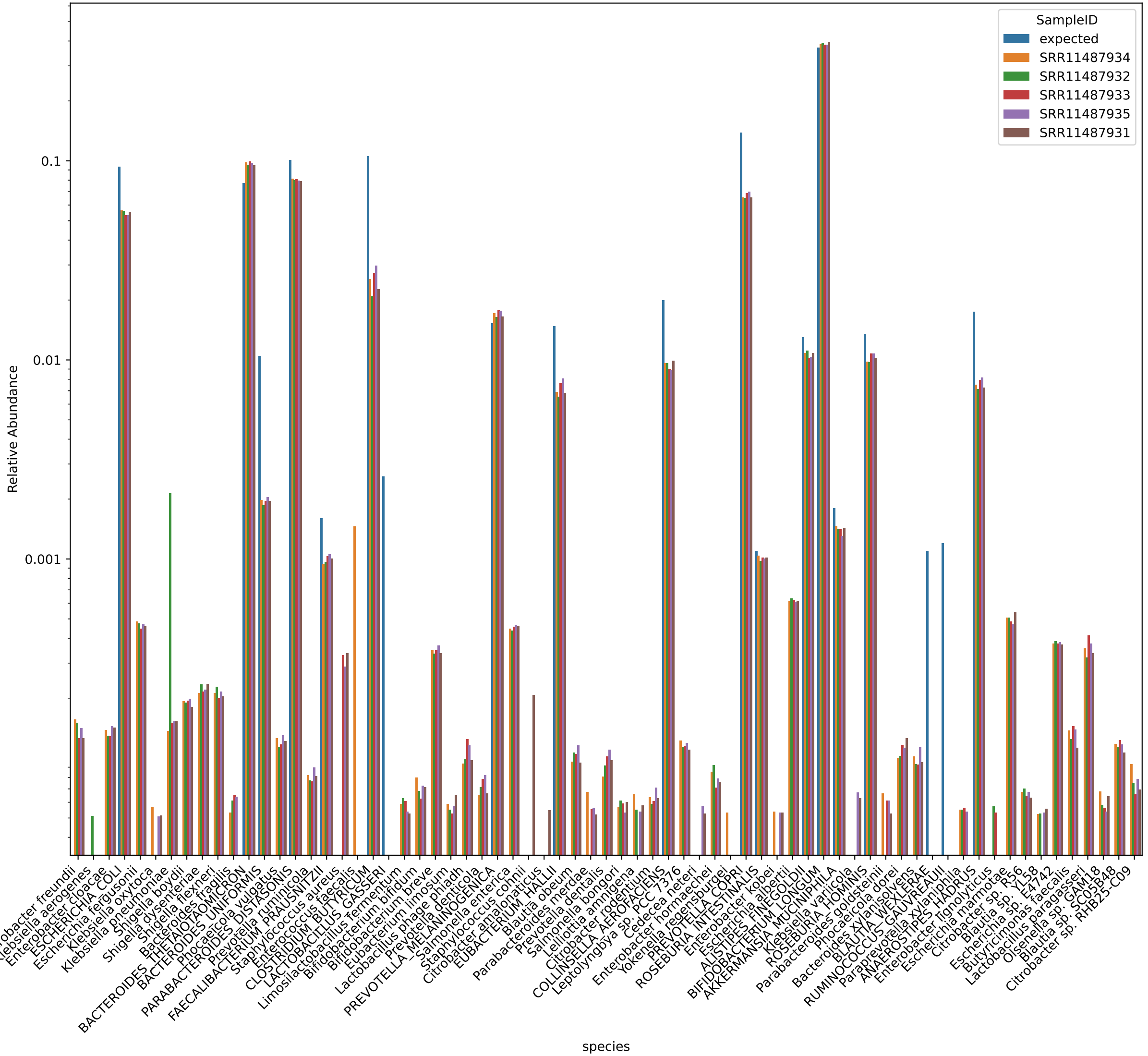
Expected vs. Observed Relative Abundance for species using bio4 in Experiment hilo



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



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



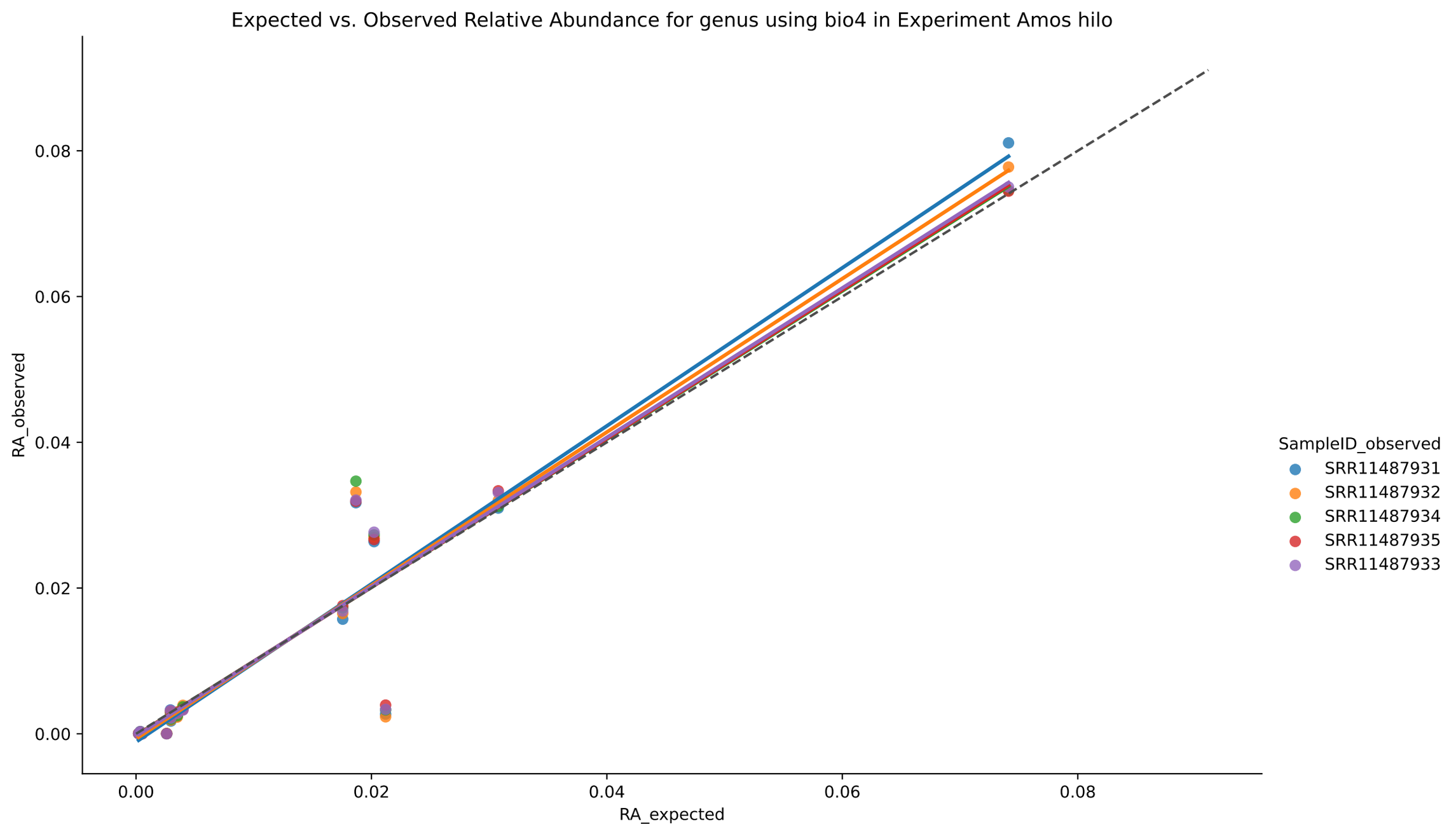
Expected vs. Observed Relative Abundance for species using wol in Experiment hilo

SampleID
expected
SRR11487934
SRR11487932
SRR11487933
SRR11487935
SRR11487931

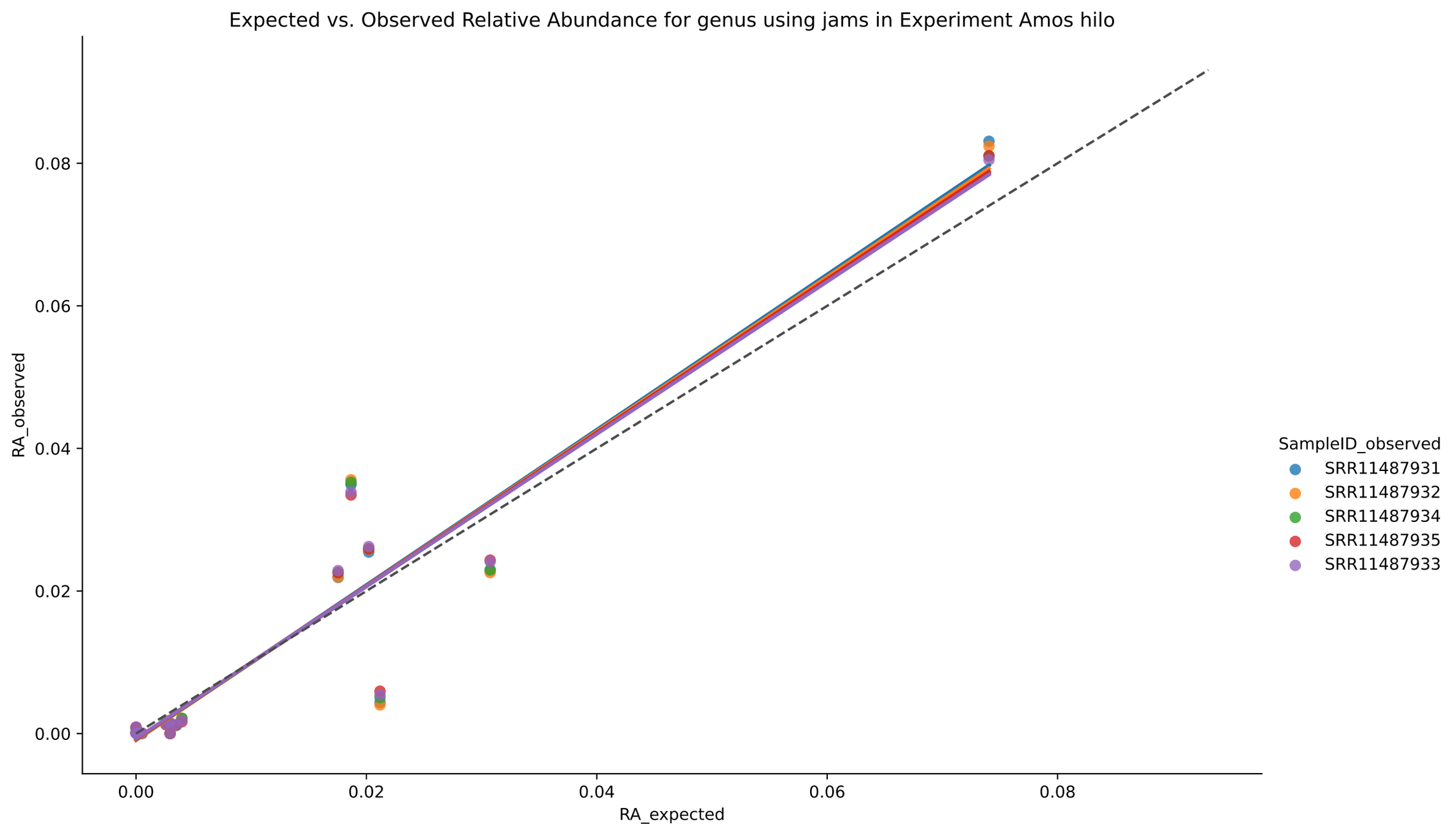
Relative Abundance

0.1
0.01
0.001

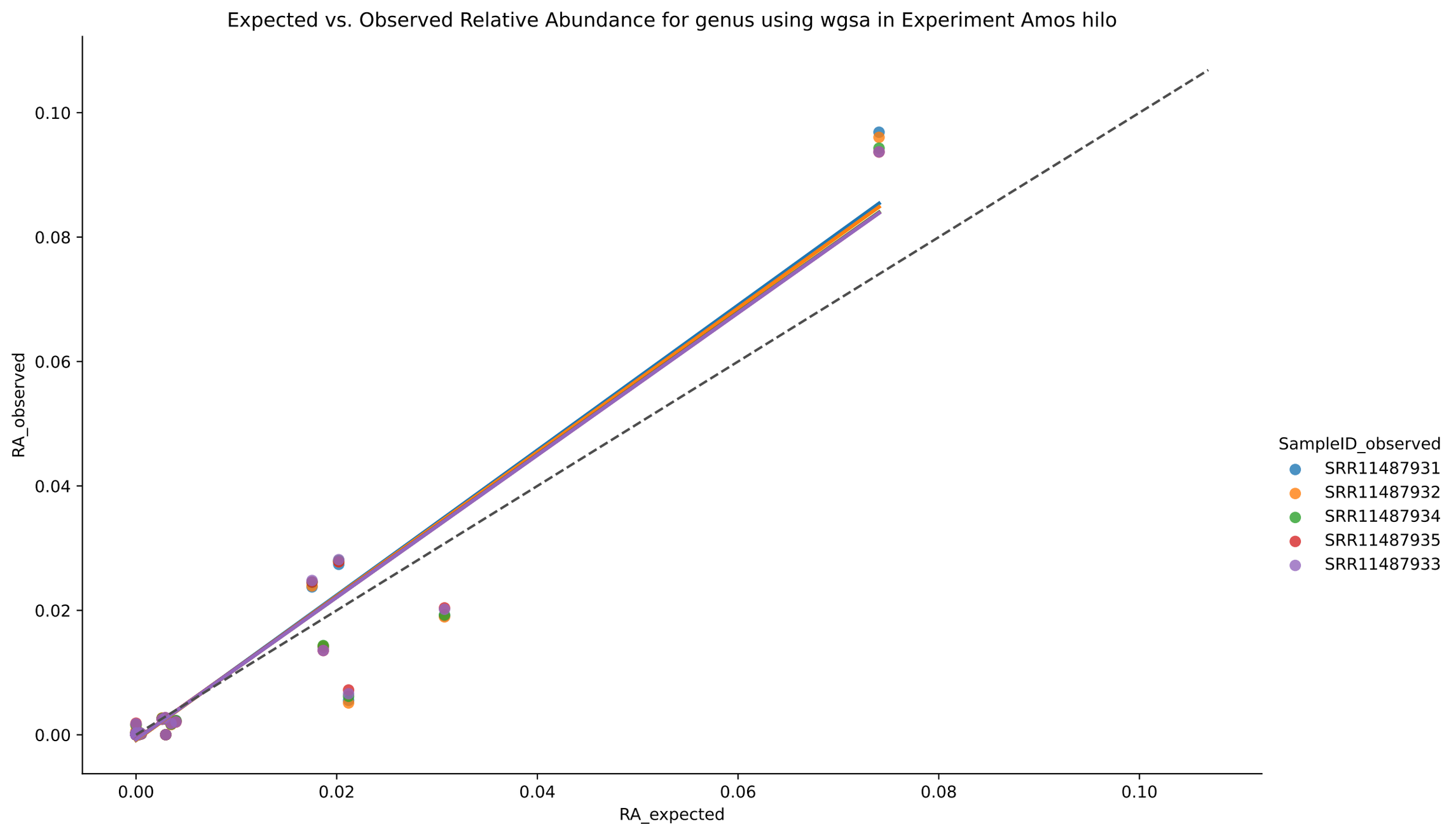
species



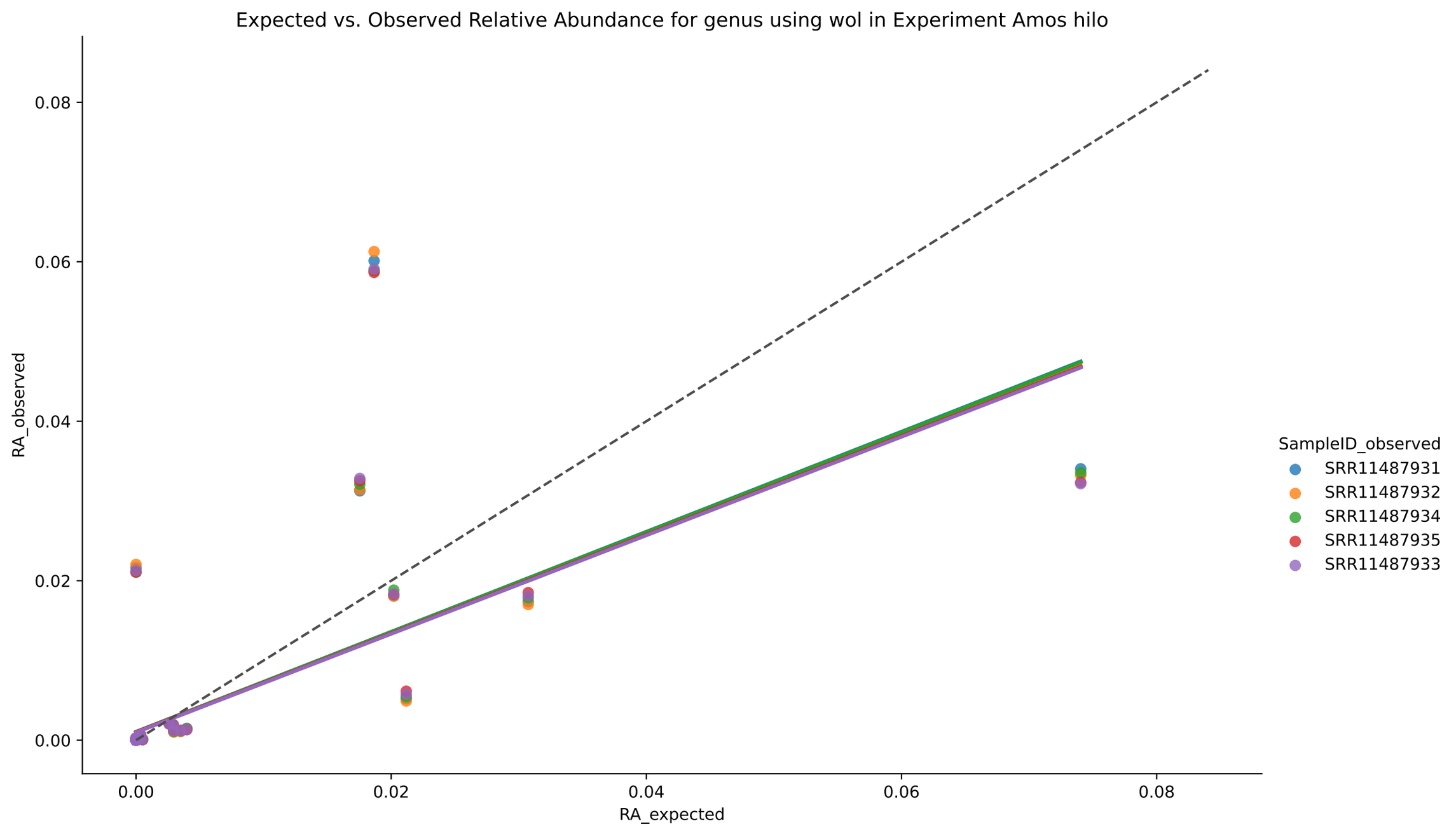
r² = 0.9163 for SRR11487931	MAE = 0.0036 for SRR11487931	Aitchison = 5.6916 for SRR11487931
r² = 0.9048 for SRR11487932	MAE = 0.0035 for SRR11487932	Aitchison = 4.7016 for SRR11487932
r² = 0.9085 for SRR11487933	MAE = 0.0032 for SRR11487933	Aitchison = 6.1844 for SRR11487933
r² = 0.8969 for SRR11487934	MAE = 0.0032 for SRR11487934	Aitchison = 5.6939 for SRR11487934
r² = 0.9133 for SRR11487935	MAE = 0.0030 for SRR11487935	Aitchison = 5.0114 for SRR11487935



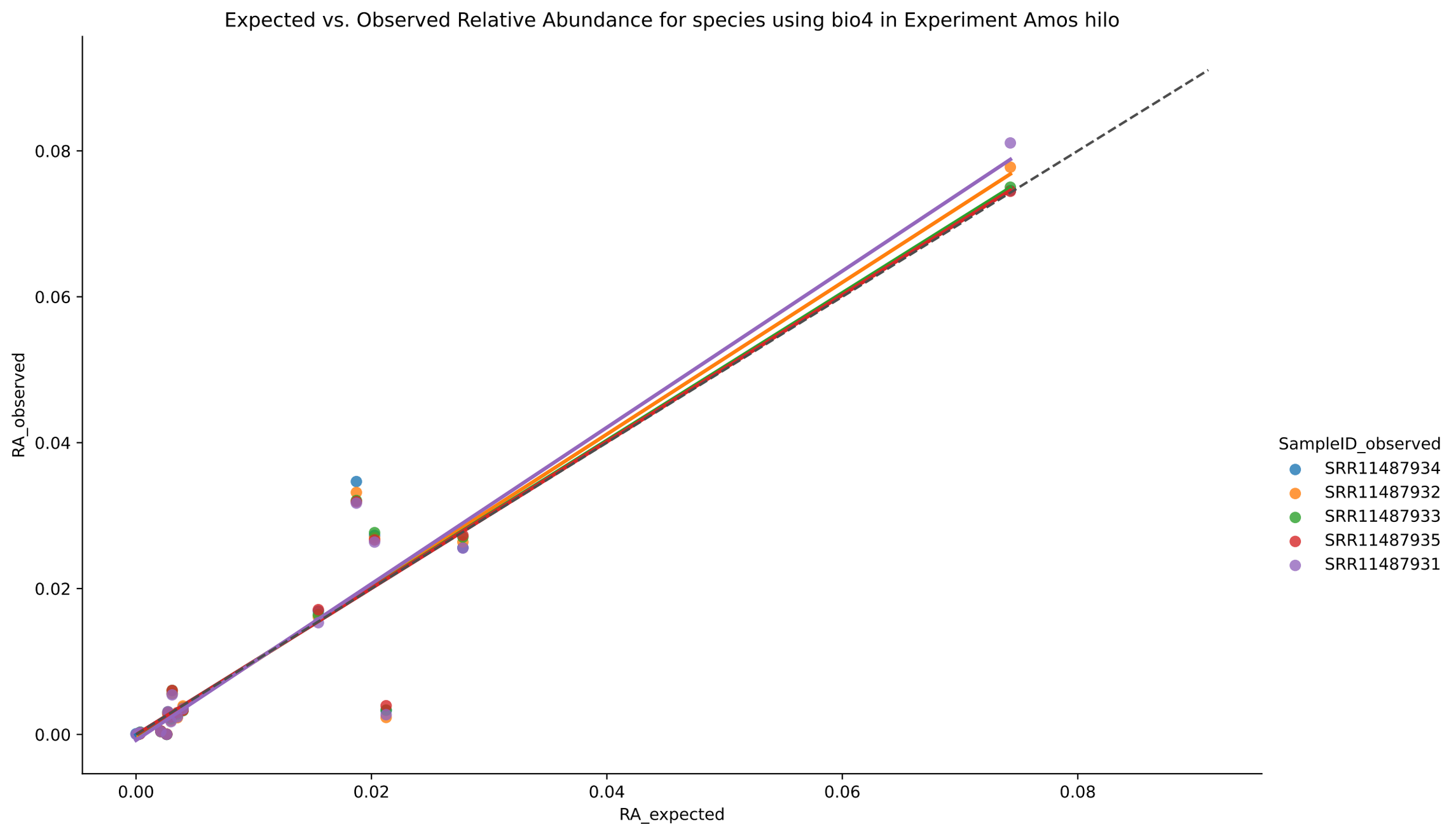
r^2 = 0.9073 for SRR11487931	MAE = 0.0038 for SRR11487931	Aitchison = 6.1977 for SRR11487931
r^2 = 0.9002 for SRR11487932	MAE = 0.0040 for SRR11487932	Aitchison = 9.8490 for SRR11487932
r^2 = 0.9149 for SRR11487933	MAE = 0.0036 for SRR11487933	Aitchison = 5.8884 for SRR11487933
r^2 = 0.9051 for SRR11487934	MAE = 0.0039 for SRR11487934	Aitchison = 5.6942 for SRR11487934
r^2 = 0.9202 for SRR11487935	MAE = 0.0035 for SRR11487935	Aitchison = 6.3914 for SRR11487935



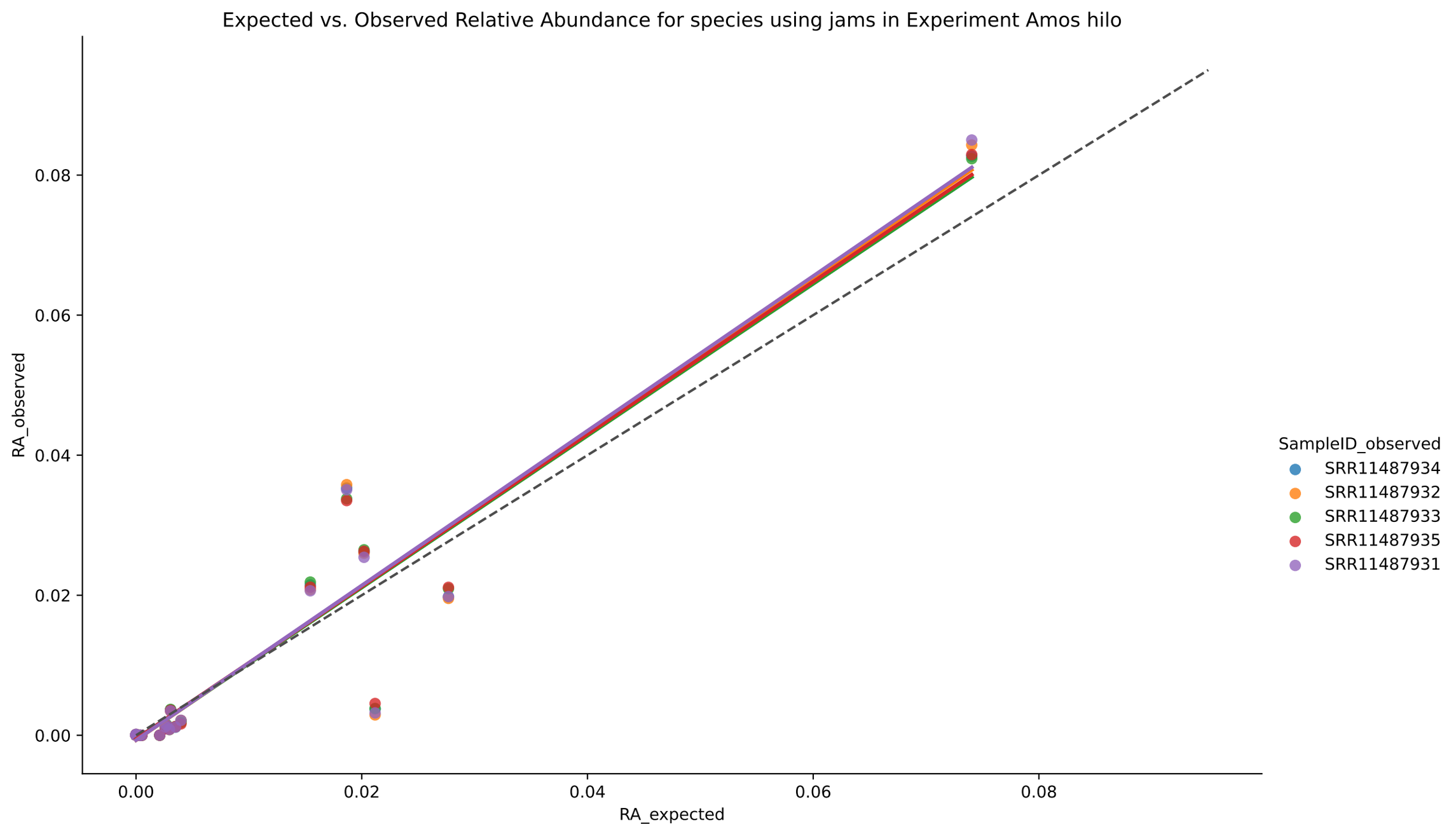
r² = 0.9181 for SRR11487931	MAE = 0.0021 for SRR11487931	Aitchison = 8.6147 for SRR11487931
r² = 0.9163 for SRR11487932	MAE = 0.0022 for SRR11487932	Aitchison = 8.9528 for SRR11487932
r² = 0.9254 for SRR11487933	MAE = 0.0020 for SRR11487933	Aitchison = 8.7838 for SRR11487933
r² = 0.9224 for SRR11487934	MAE = 0.0020 for SRR11487934	Aitchison = 8.9457 for SRR11487934
r² = 0.9287 for SRR11487935	MAE = 0.0019 for SRR11487935	Aitchison = 8.8116 for SRR11487935



r² = 0.4624 for SRR11487931	MAE = 0.0023 for SRR11487931	Aitchison = 9.8349 for SRR11487931
r² = 0.4455 for SRR11487932	MAE = 0.0022 for SRR11487932	Aitchison = 10.0403 for SRR11487932
r² = 0.4566 for SRR11487933	MAE = 0.0021 for SRR11487933	Aitchison = 10.4010 for SRR11487933
r² = 0.4682 for SRR11487934	MAE = 0.0022 for SRR11487934	Aitchison = 9.8124 for SRR11487934
r² = 0.4619 for SRR11487935	MAE = 0.0022 for SRR11487935	Aitchison = 9.9938 for SRR11487935



r^2 = 0.9157 for SRR11487931	MAE = 0.0032 for SRR11487931	Aitchison = 6.0264 for SRR11487931
r^2 = 0.9028 for SRR11487932	MAE = 0.0033 for SRR11487932	Aitchison = 4.8354 for SRR11487932
r^2 = 0.9066 for SRR11487933	MAE = 0.0030 for SRR11487933	Aitchison = 6.2762 for SRR11487933
r^2 = 0.8966 for SRR11487934	MAE = 0.0030 for SRR11487934	Aitchison = 5.9876 for SRR11487934
r^2 = 0.9113 for SRR11487935	MAE = 0.0029 for SRR11487935	Aitchison = 5.1244 for SRR11487935



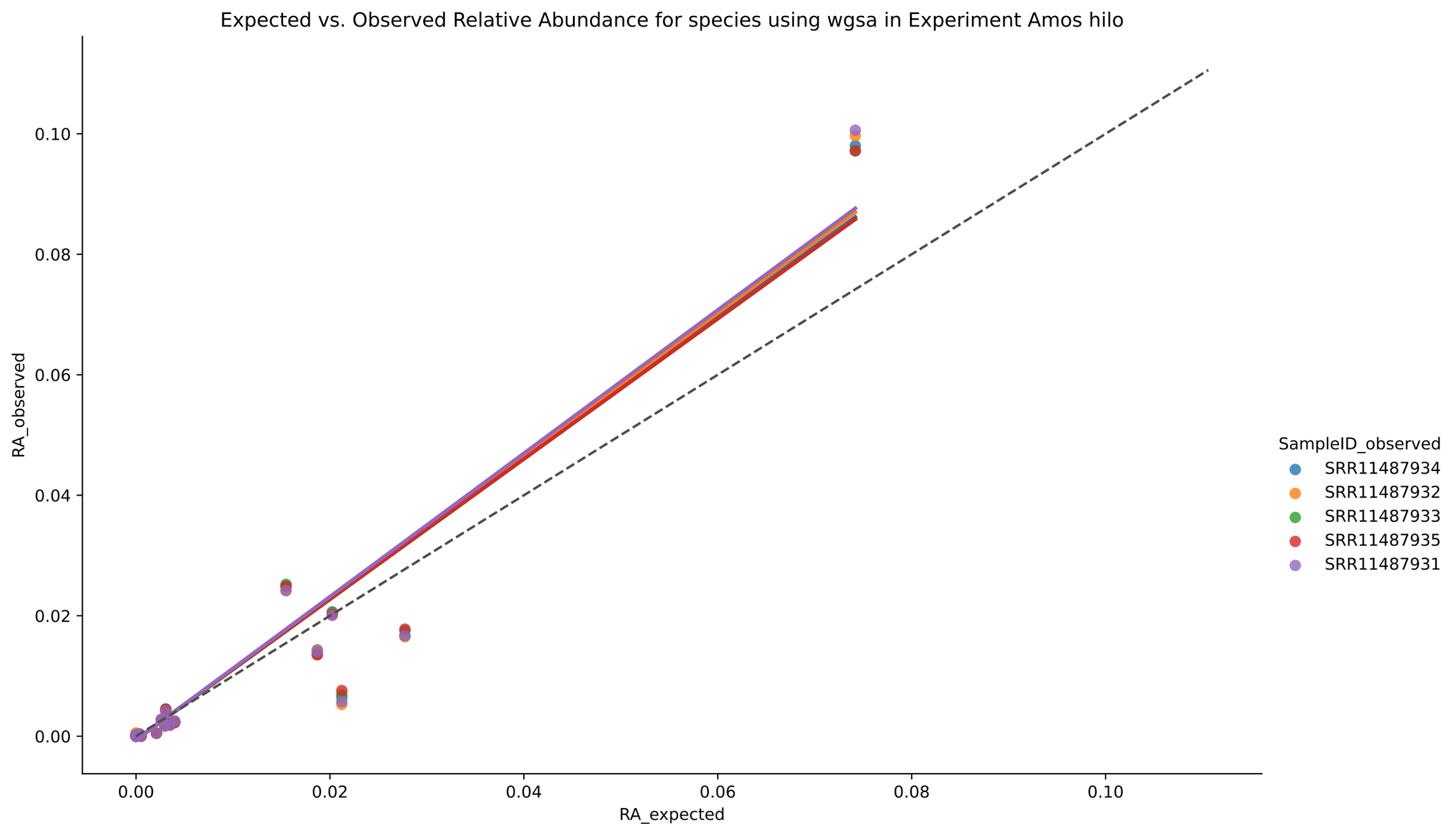
r² = 0.9095 for SRR11487931 MAE = 0.0026 for SRR11487931 Aitchison = 9.5314 for SRR11487931

r² = 0.9034 for SRR11487932 MAE = 0.0028 for SRR11487932 Aitchison = 9.6804 for SRR11487932

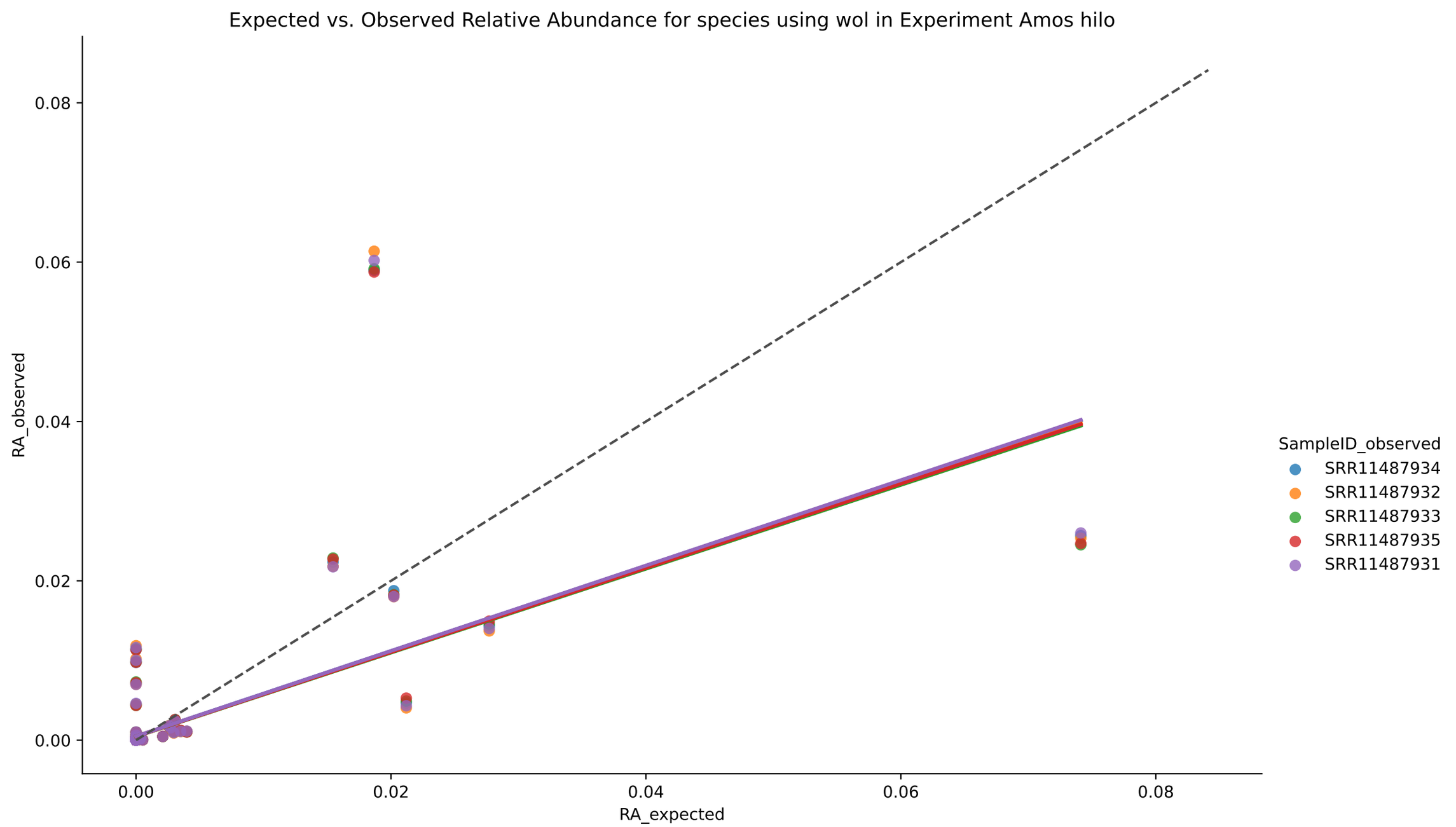
r² = 0.9138 for SRR11487933 MAE = 0.0027 for SRR11487933 Aitchison = 9.1424 for SRR11487933

r² = 0.9087 for SRR11487934 MAE = 0.0024 for SRR11487934 Aitchison = 7.9566 for SRR11487934

r² = 0.9213 for SRR11487935 MAE = 0.0022 for SRR11487935 Aitchison = 9.2506 for SRR11487935

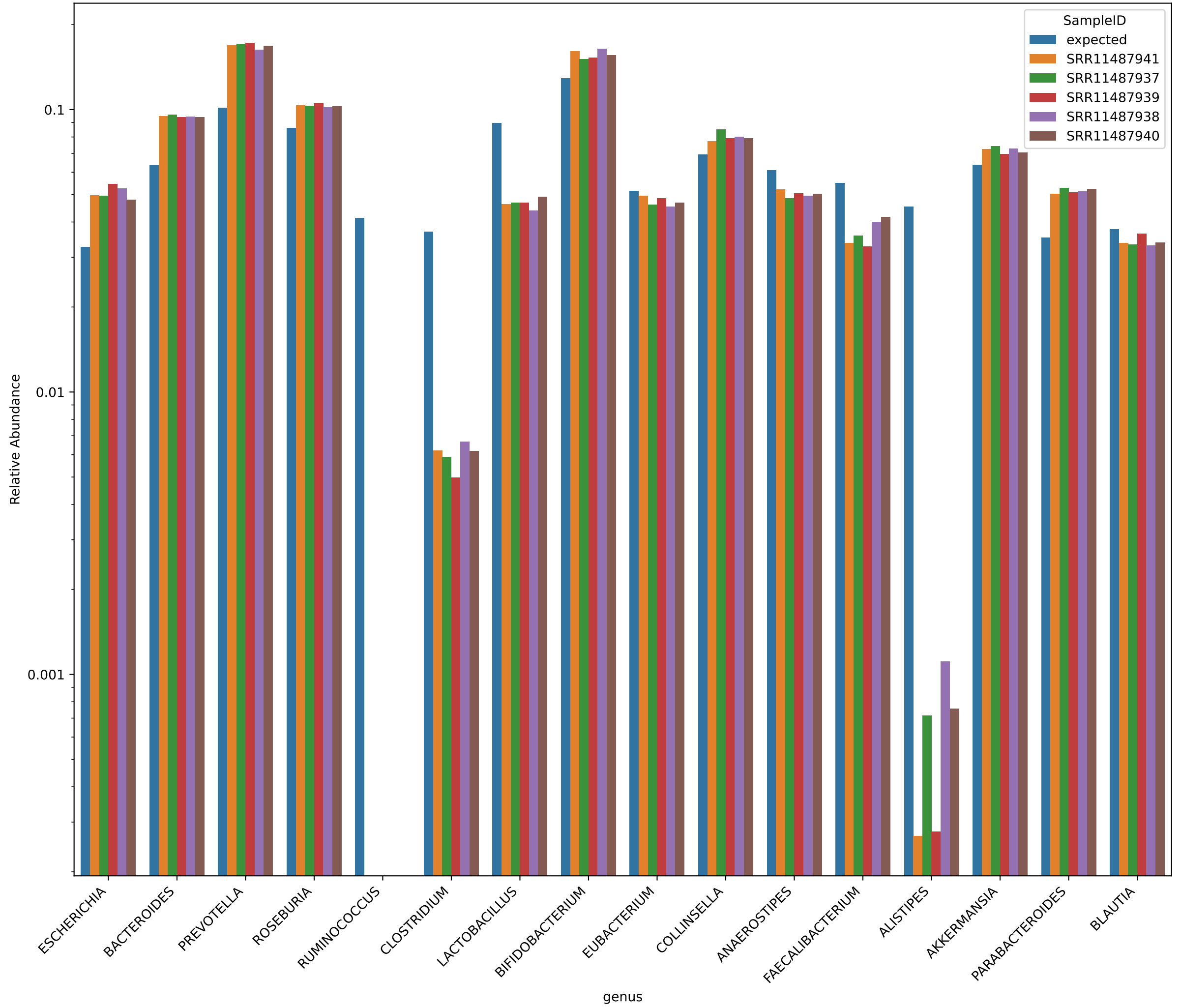


r^2 = 0.9173 for SRR11487931	MAE = 0.0012 for SRR11487931	Aitchison = 6.7706 for SRR11487931
r^2 = 0.9159 for SRR11487932	MAE = 0.0014 for SRR11487932	Aitchison = 7.1961 for SRR11487932
r^2 = 0.9249 for SRR11487933	MAE = 0.0013 for SRR11487933	Aitchison = 6.4854 for SRR11487933
r^2 = 0.9219 for SRR11487934	MAE = 0.0012 for SRR11487934	Aitchison = 6.9272 for SRR11487934
r^2 = 0.9283 for SRR11487935	MAE = 0.0012 for SRR11487935	Aitchison = 6.6110 for SRR11487935

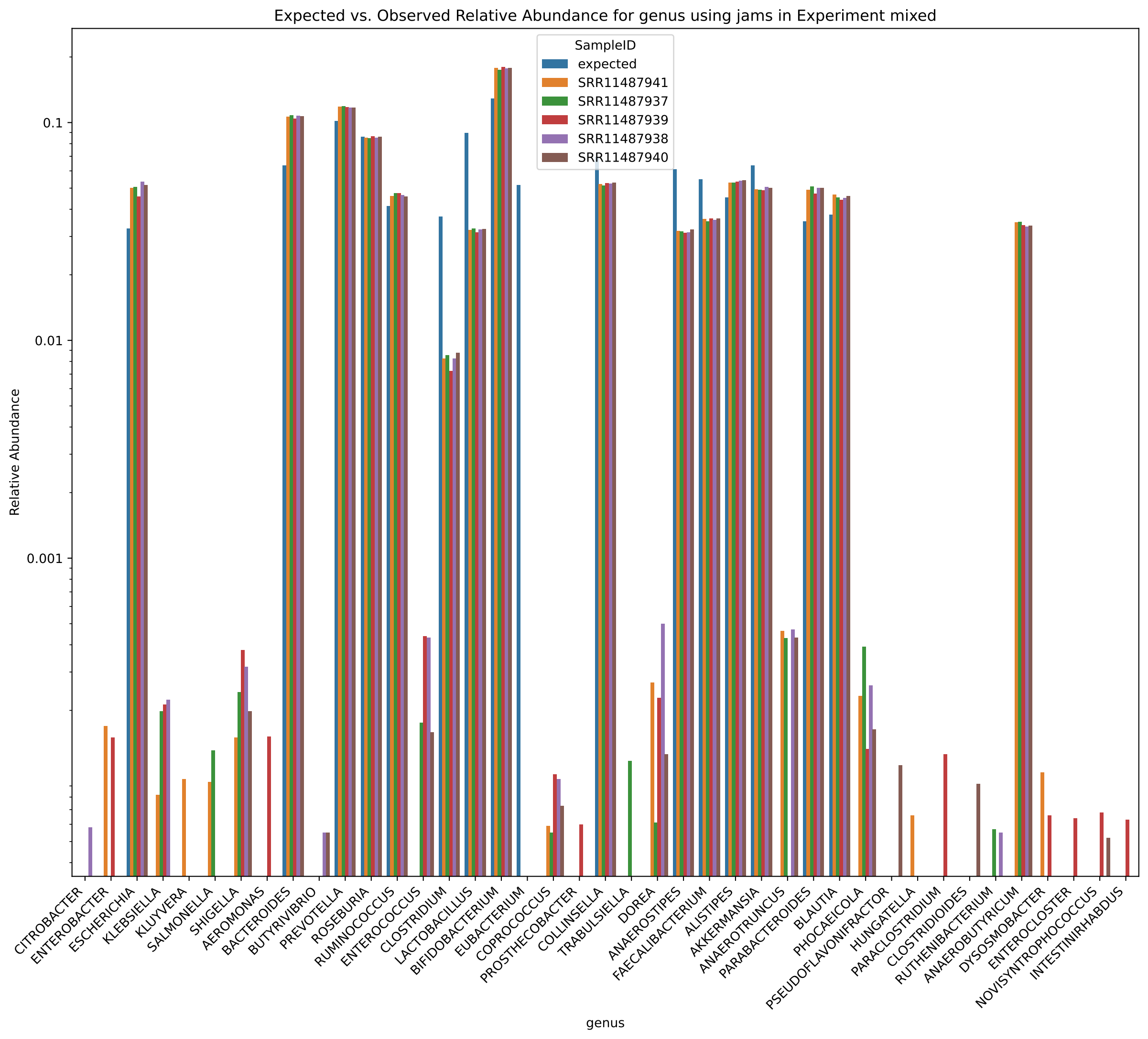


r^2 = 0.3997 for SRR11487931	MAE = 0.0010 for SRR11487931	Aitchison = 20.4219 for SRR11487931
r^2 = 0.3846 for SRR11487932	MAE = 0.0010 for SRR11487932	Aitchison = 20.9145 for SRR11487932
r^2 = 0.3945 for SRR11487933	MAE = 0.0009 for SRR11487933	Aitchison = 21.1406 for SRR11487933
r^2 = 0.4066 for SRR11487934	MAE = 0.0010 for SRR11487934	Aitchison = 20.3736 for SRR11487934
r^2 = 0.4010 for SRR11487935	MAE = 0.0009 for SRR11487935	Aitchison = 20.7089 for SRR11487935

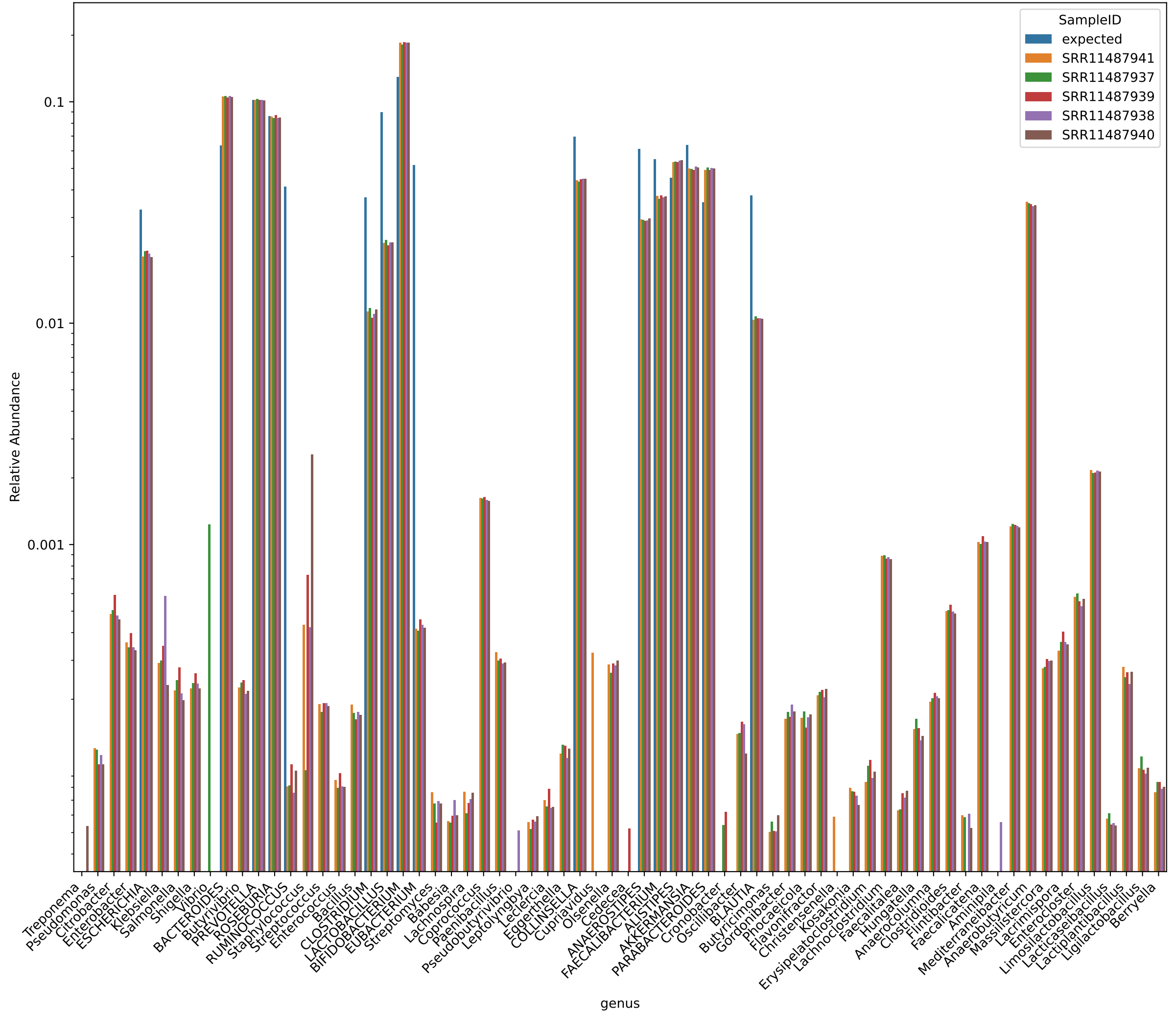
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment mixed



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



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



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

SampleID
expected
SRR11487941
SRR11487937
SRR11487939
SRR11487938
SRR11487940

0.1
0.01
0.001
Relative Abundance

genus

Treponema
Helicobacter
Acinetobacter
Enterobacter
ESCHERICHIA
Klebsiella
Salmonella
BACTEROIDES
Bilophila
Flavonifractor
Porphyromonas
PREVOTELLA
Megasphaera
Negativicoccus
RUMINOCOCCUS
Streptococcus
LACHNOCLOSTRIDIUM
BIFIDOBACTERIUM
Corynebacterium
EUBACTERIUM
Phascolarctobacterium
Gardnerella
Veillonella
Copprococcus
Pseudobutyrivibrio
Acetivibrio
Lamprocystis
Obesumbacterium
Holdemania
Lecercia
Citrobacter
Solobacterium
Tractidigestivibacter
Yokenella
Raoultella
Alloprevotella
Dorea
Scardovia
ANAEROSTIPES
FAECALIBACTERIUM
AKKERMANSIA
Hespellia
Anaerotruncus
Marvinbryantia
Odoribacter
Subgroup_10
PARABACTEROIDES
Barnesiella
Lactonifactor
Oscillibacter
BLAUTIA
Parabacteroides
Butyricicoccus
Robinsoniella
Pseudoflavonifractor
Gordonibacter
Lachnoanaerobaculum
Stomatobaculum
Alloprevotella
Pluralibacter
Plautia
Coprobacter
Coprobacillus
Intestinimonas
Erysipelatoclostridium
Senegalimassilia
Lachnoclostridium
Ruminiclostridium
Tyzzerella
Faecalicatena
Holdemanella
Sanguibacteroides
Turicibacter
Ruthenibacterium
Clostridioides
Terrisporobacter
Barnesiella
Enterocloster
Mediterraneibacter
Prevotellamassilia
Eubacterium
Bifidobacterium
Anaerostipes
Massiliocoprobacter
Fournierella

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

SampleID
expected
SRR11487938
SRR11487940
SRR11487939
SRR11487941
SRR11487937

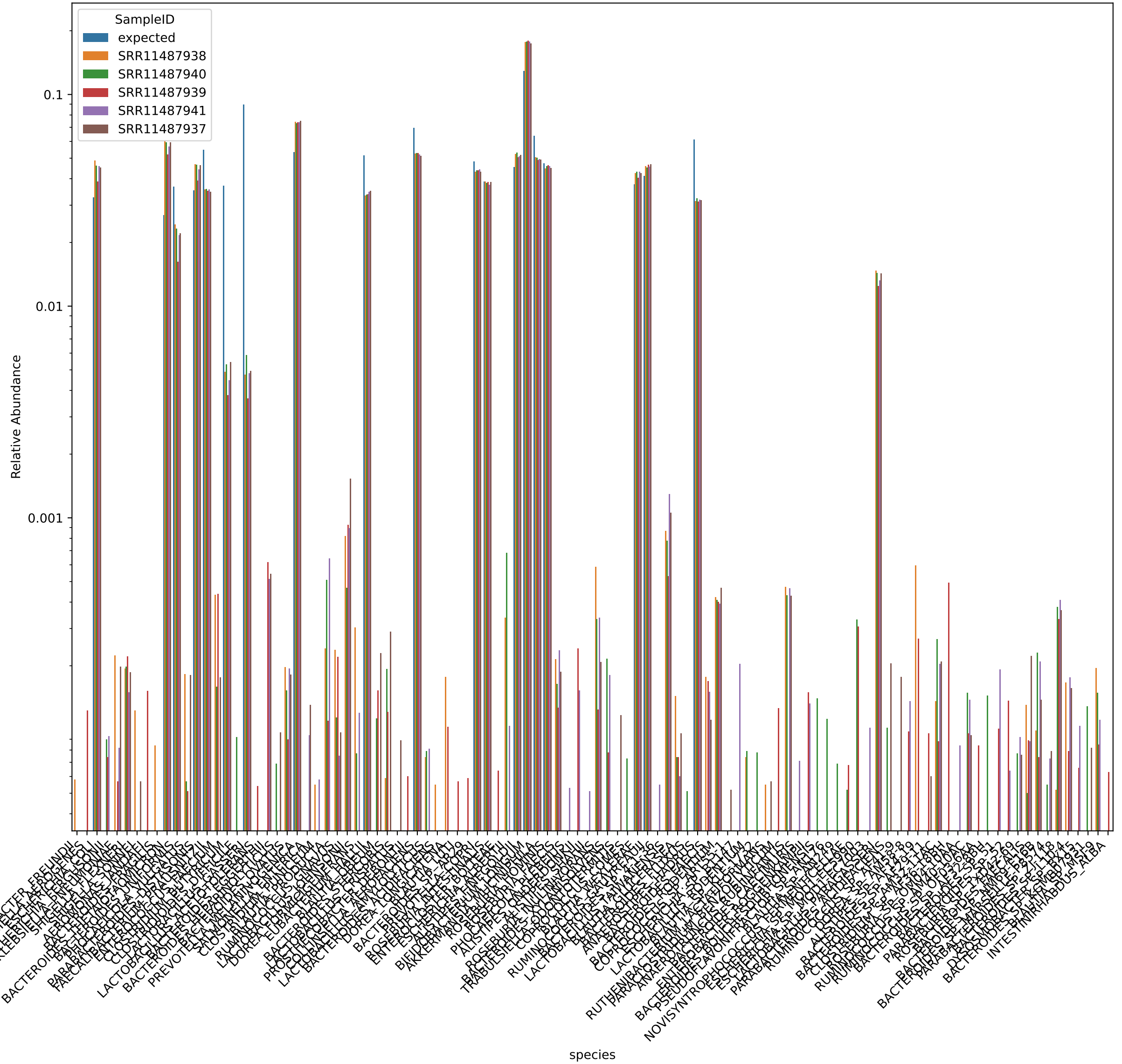
Relative Abundance

0.1
0.01
0.001

ESCHERICHIA_COLI
BACTEROIDES_THETAIOTAOMICRON
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
FAECALIBACTERIUM_PRAUSNITZII
CLOSTRIDIUM_BUTYRICUM
LACTOBACILLUS_GASSERI
PREVOTELLA_MELANINOGENICA
EUBACTERIUM_HALLII
COLLINSELLA_AEROFACIENS
PREVOTELLA_COPRI
ROSEBURIA_INTESTINALIS
ALISTIPES_FINEGOLDII
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
ROSEBURIA_HOMINIS
BLAUTIA_WEXLERAE
RUMINOCOCCUS_GAUVREAUII
ANAEROSTIPES_HADRUS
LACTOBACILLUS_PARAGASSERI

species

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



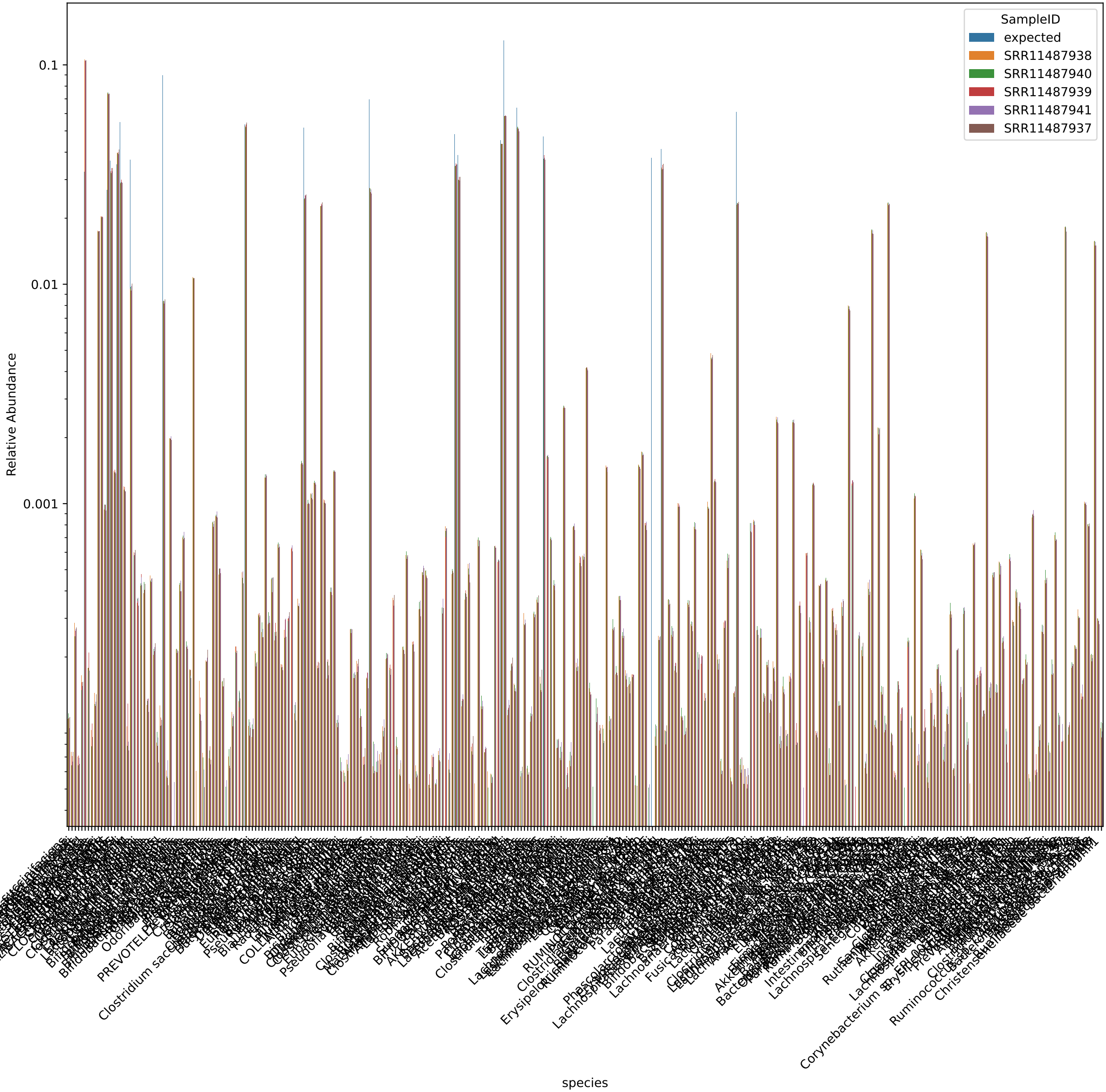
Expected vs. Observed Relative Abundance for species using wgsa in Experiment mixed

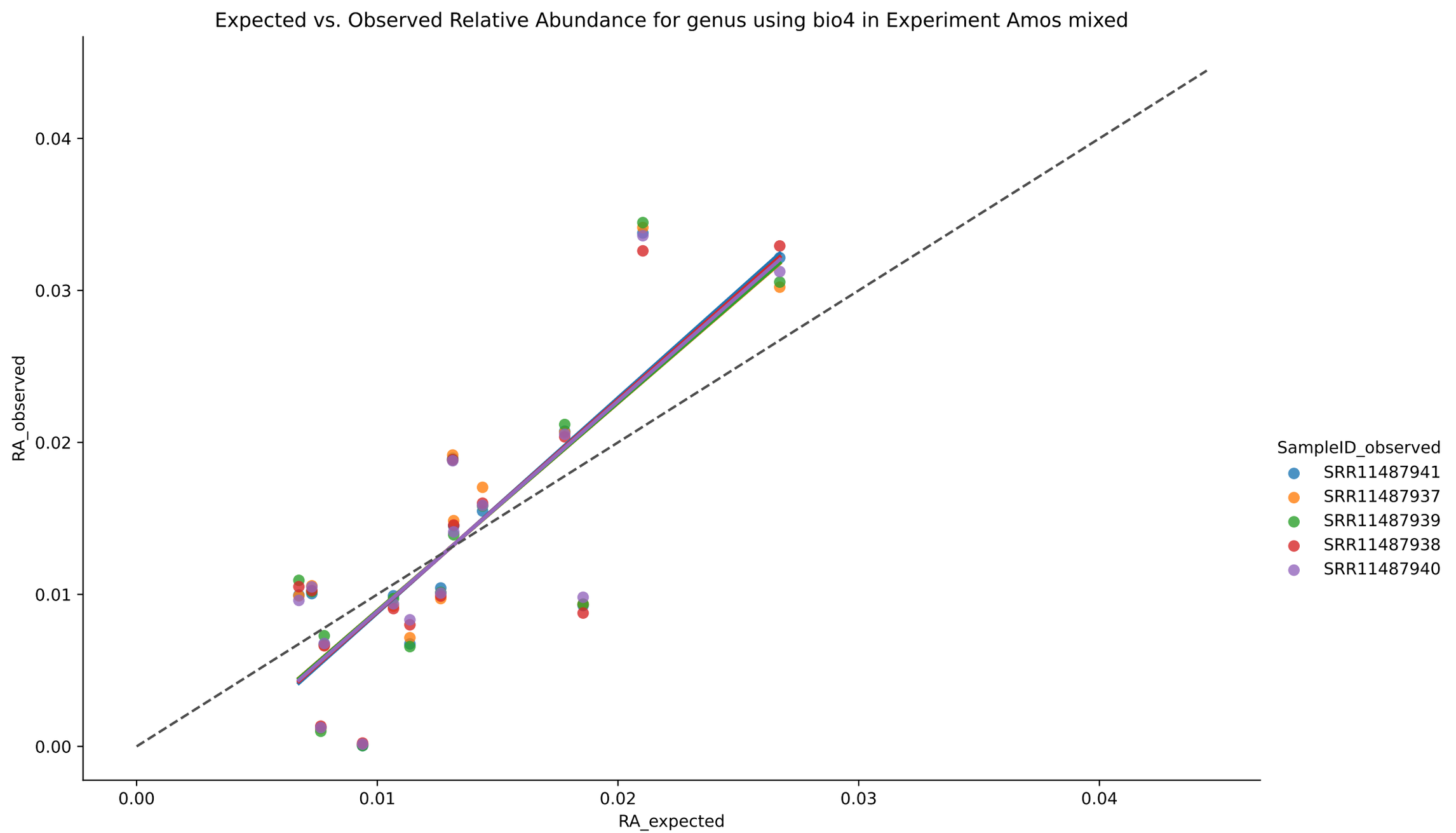
SampleID
expected
SRR11487938
SRR11487940
SRR11487939
SRR11487941
SRR11487937

0.1
0.01
0.001
Relative Abundance

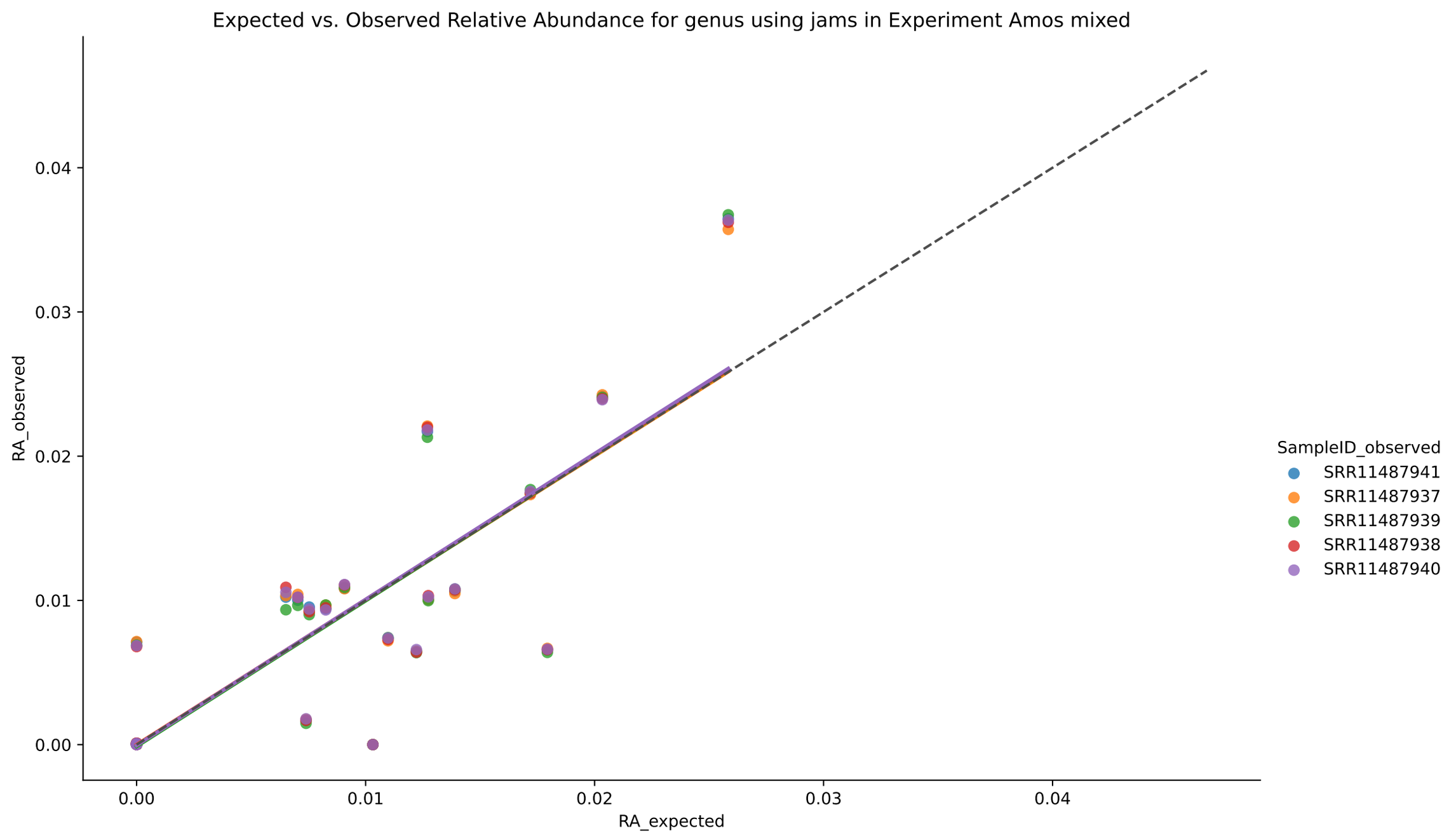
species

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

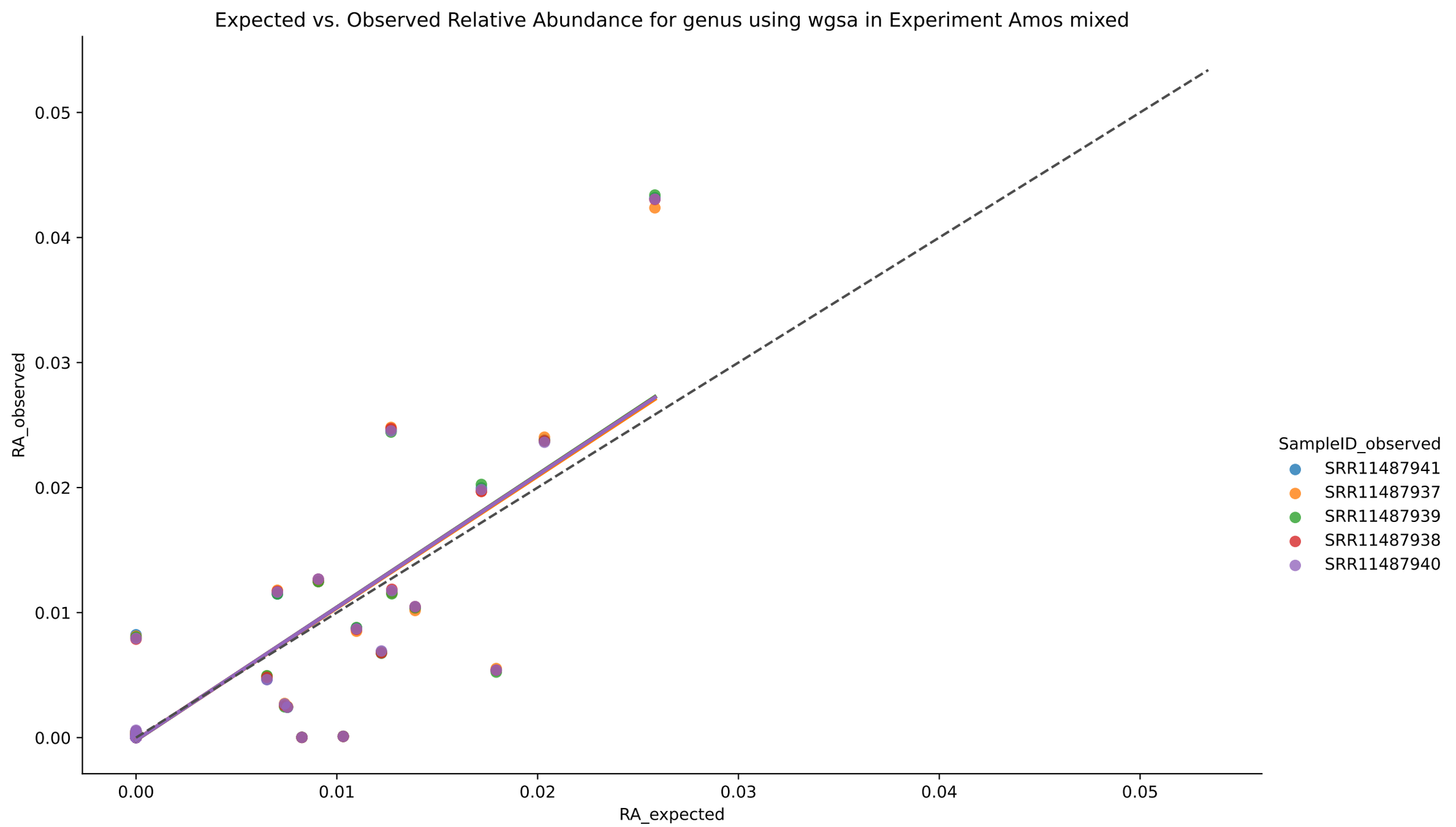




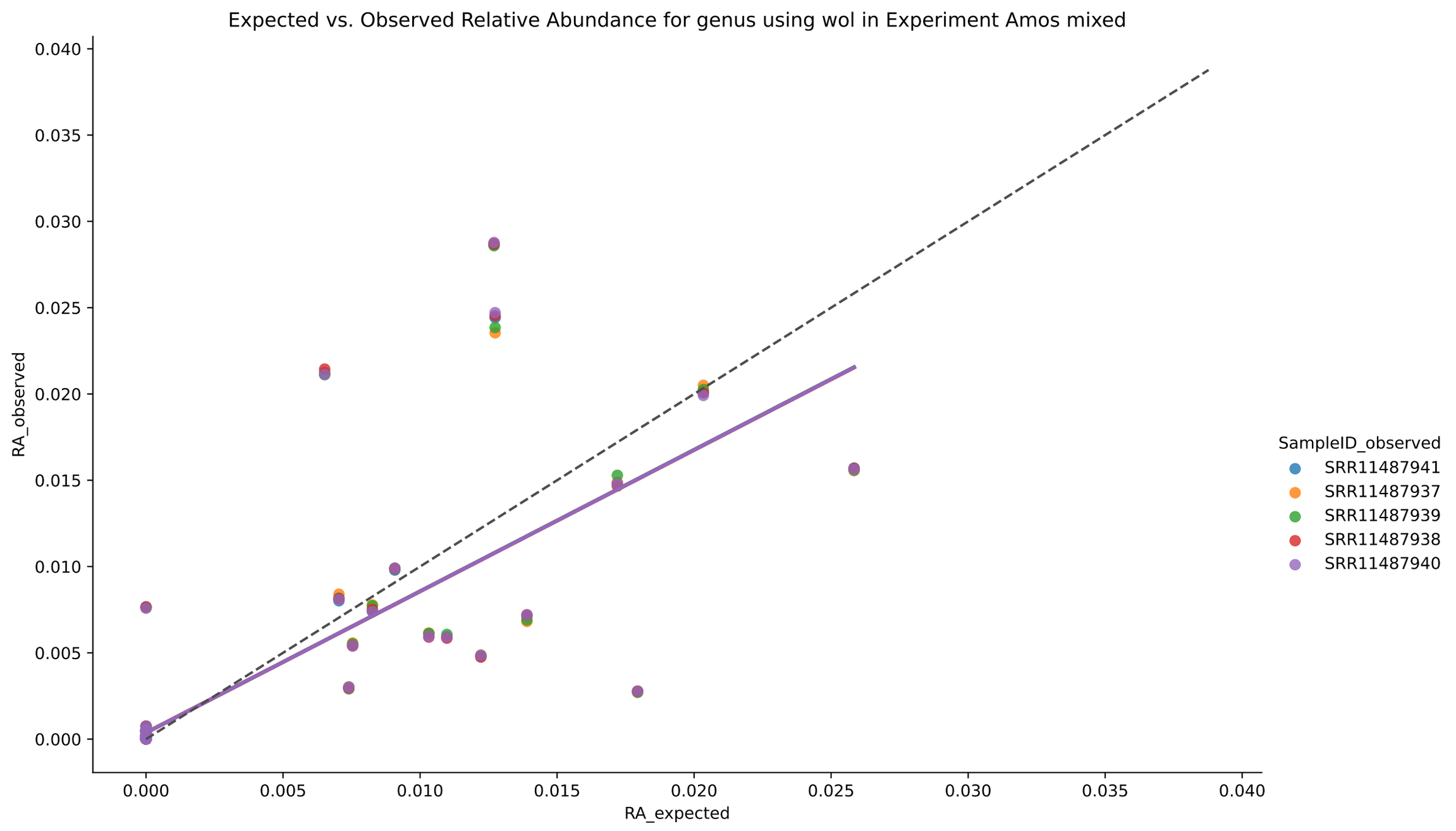
r^2 = 0.6595 for SRR11487937	MAE = 0.0047 for SRR11487937	Aitchison = 4.5249 for SRR11487937
r^2 = 0.6856 for SRR11487938	MAE = 0.0047 for SRR11487938	Aitchison = 4.1118 for SRR11487938
r^2 = 0.6543 for SRR11487939	MAE = 0.0046 for SRR11487939	Aitchison = 5.3975 for SRR11487939
r^2 = 0.6903 for SRR11487940	MAE = 0.0044 for SRR11487940	Aitchison = 4.4374 for SRR11487940
r^2 = 0.6856 for SRR11487941	MAE = 0.0046 for SRR11487941	Aitchison = 5.3530 for SRR11487941



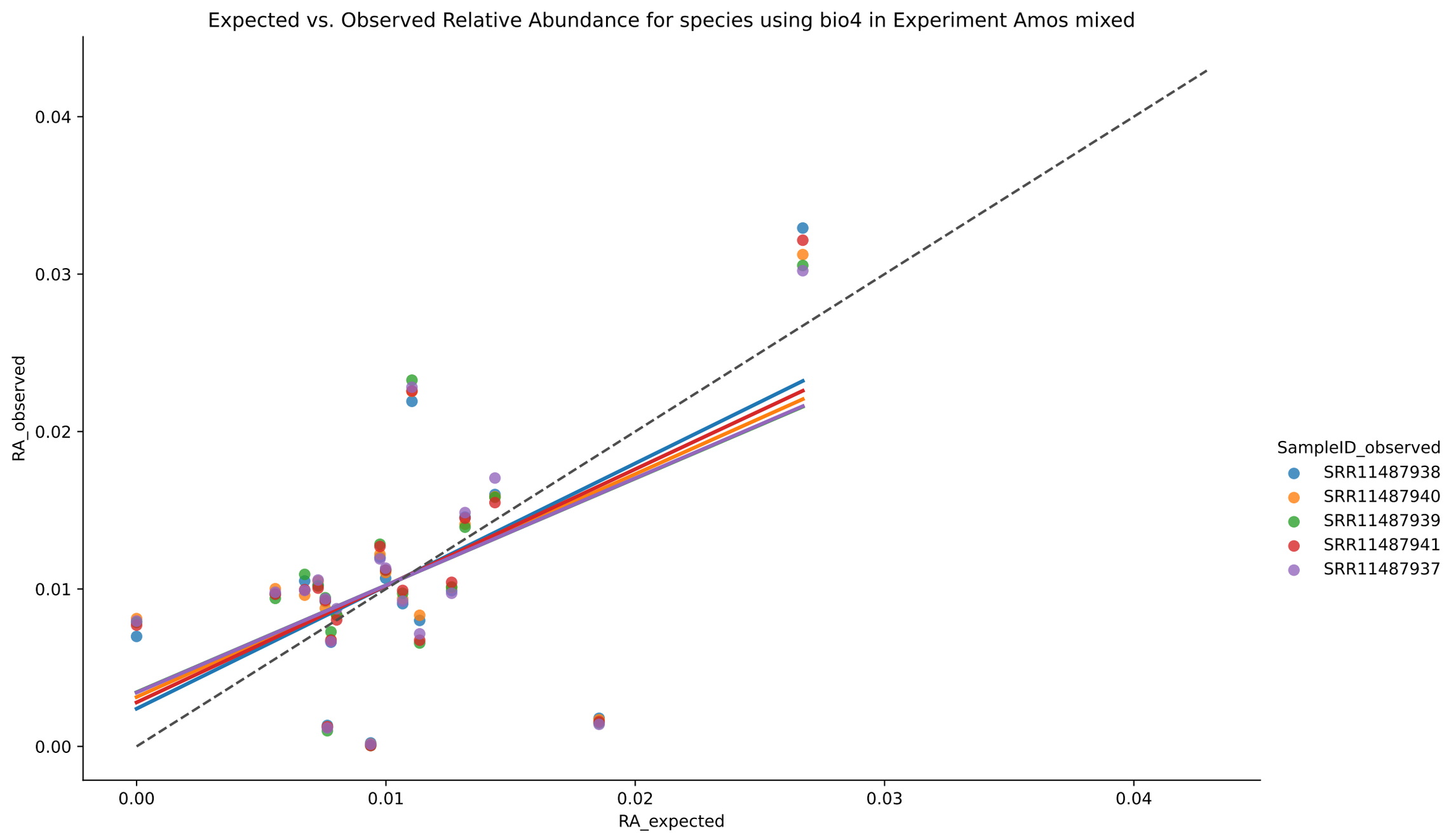
r^2 = 0.7039 for SRR11487937	MAE = 0.0032 for SRR11487937	Aitchison = 10.4376 for SRR11487937
r^2 = 0.7049 for SRR11487938	MAE = 0.0032 for SRR11487938	Aitchison = 10.6269 for SRR11487938
r^2 = 0.7329 for SRR11487939	MAE = 0.0027 for SRR11487939	Aitchison = 8.1933 for SRR11487939
r^2 = 0.7087 for SRR11487940	MAE = 0.0031 for SRR11487940	Aitchison = 11.1968 for SRR11487940
r^2 = 0.7131 for SRR11487941	MAE = 0.0030 for SRR11487941	Aitchison = 10.3909 for SRR11487941



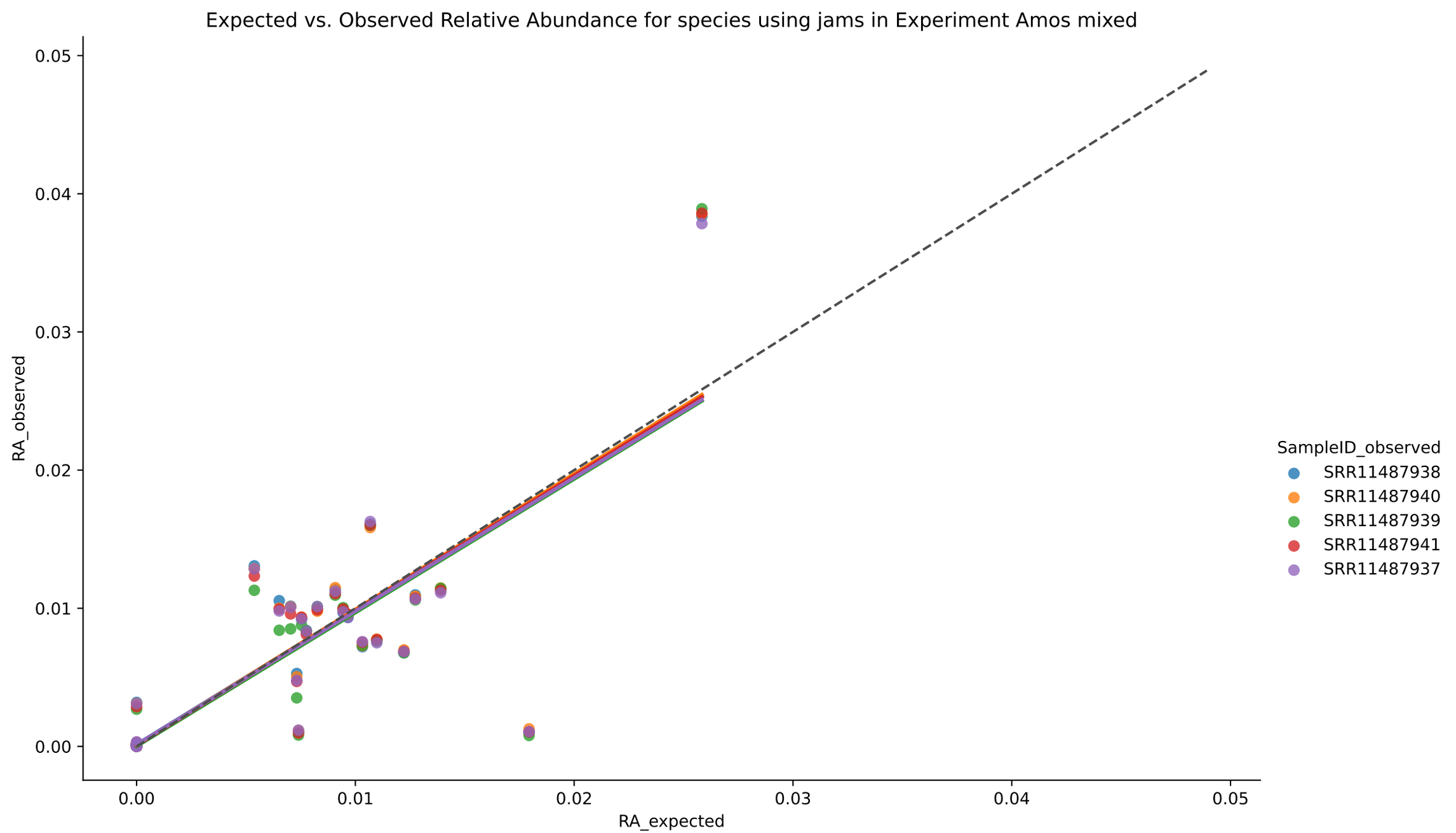
r^2 = 0.7270 for SRR11487937	MAE = 0.0018 for SRR11487937	Aitchison = 11.4865 for SRR11487937
r^2 = 0.7262 for SRR11487938	MAE = 0.0018 for SRR11487938	Aitchison = 11.4358 for SRR11487938
r^2 = 0.7236 for SRR11487939	MAE = 0.0018 for SRR11487939	Aitchison = 11.2690 for SRR11487939
r^2 = 0.7261 for SRR11487940	MAE = 0.0018 for SRR11487940	Aitchison = 11.4609 for SRR11487940
r^2 = 0.7250 for SRR11487941	MAE = 0.0018 for SRR11487941	Aitchison = 11.3472 for SRR11487941



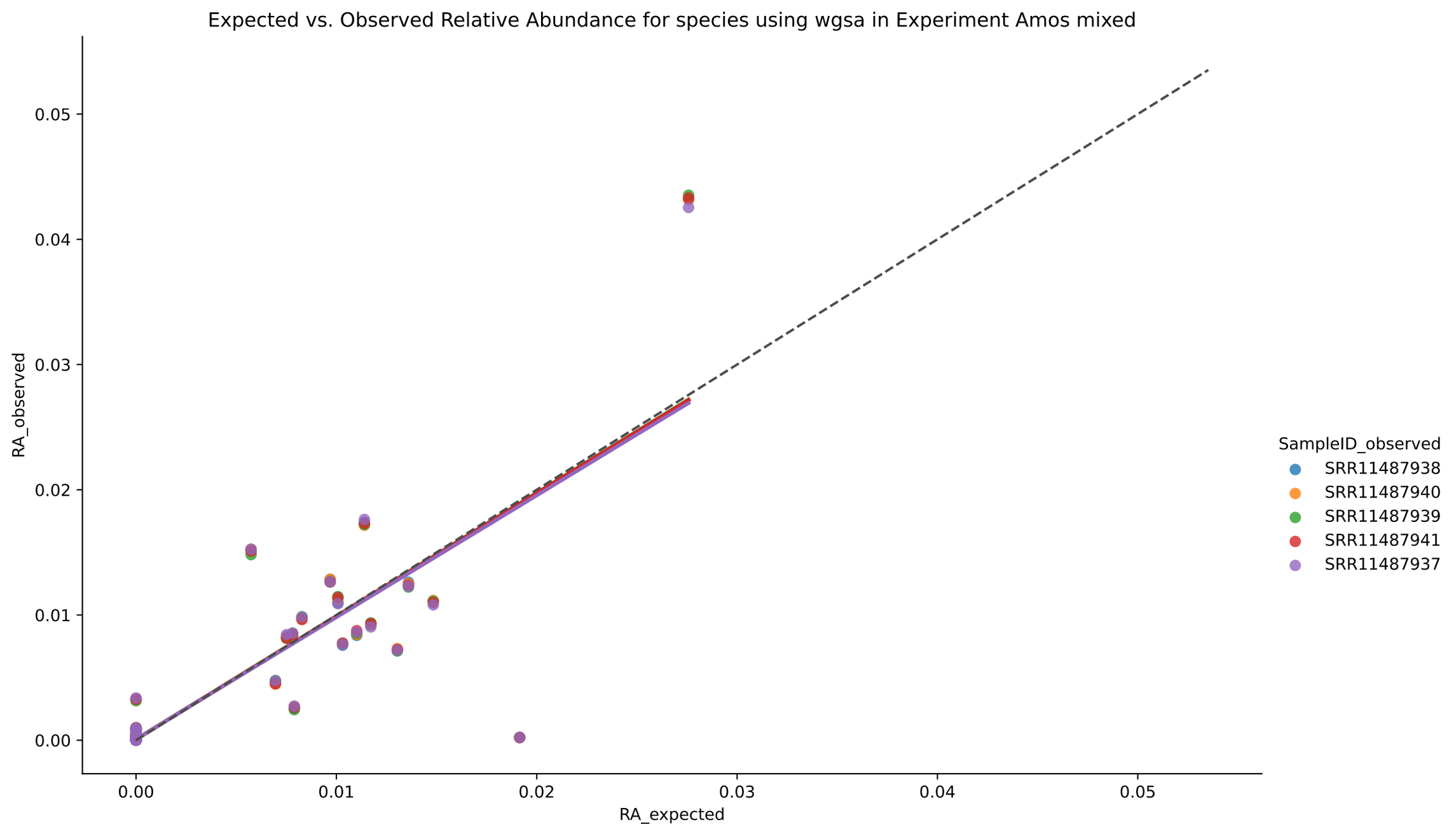
r² = 0.6108 for SRR11487937	MAE = 0.0012 for SRR11487937	Aitchison = 11.3308 for SRR11487937
r² = 0.6063 for SRR11487938	MAE = 0.0012 for SRR11487938	Aitchison = 11.6615 for SRR11487938
r² = 0.6125 for SRR11487939	MAE = 0.0012 for SRR11487939	Aitchison = 11.5865 for SRR11487939
r² = 0.6072 for SRR11487940	MAE = 0.0012 for SRR11487940	Aitchison = 11.6122 for SRR11487940
r² = 0.6089 for SRR11487941	MAE = 0.0012 for SRR11487941	Aitchison = 11.5070 for SRR11487941



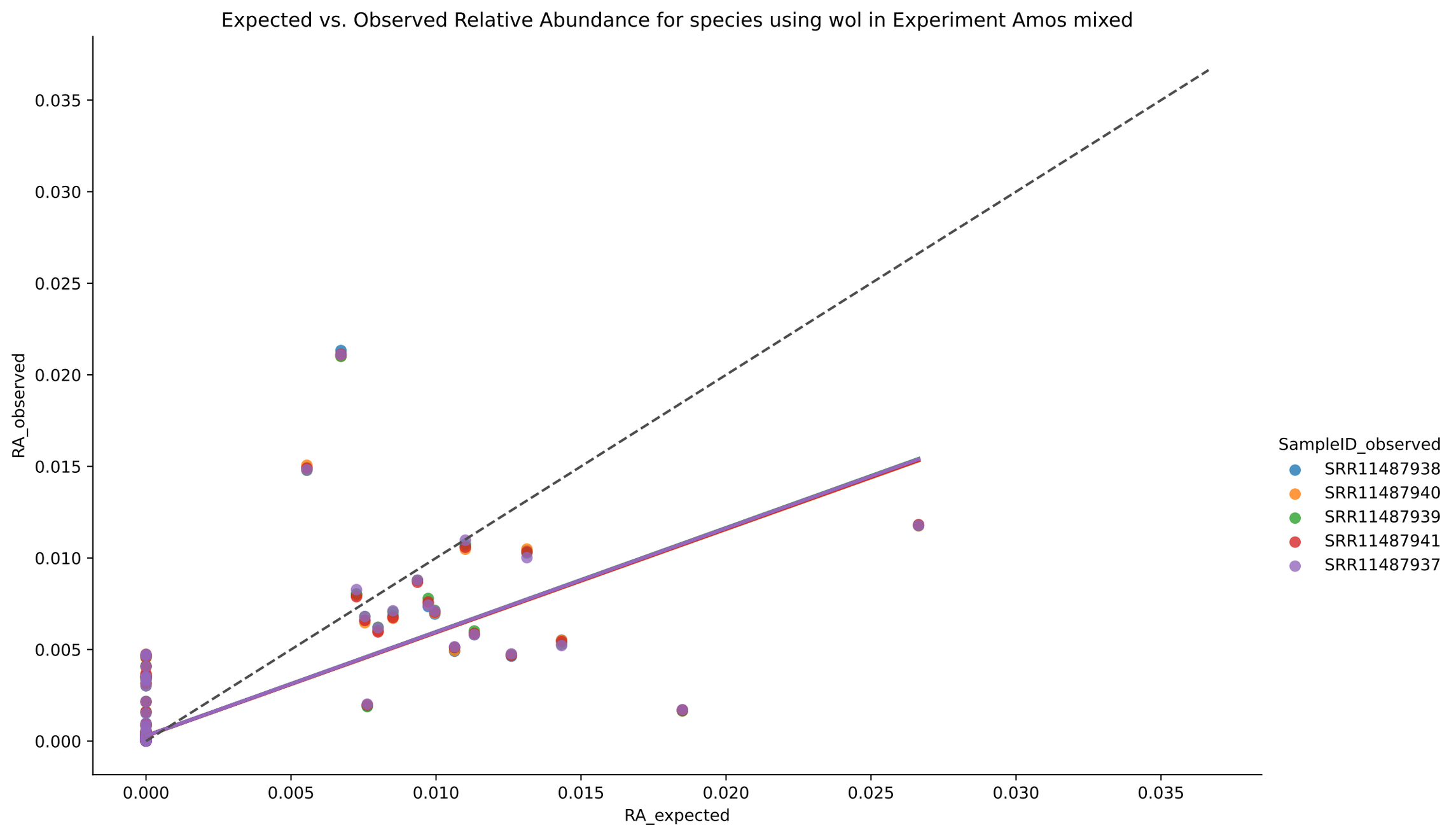
r^2 = 0.2750 for SRR11487937	MAE = 0.0046 for SRR11487937	Aitchison = 5.9702 for SRR11487937
r^2 = 0.3349 for SRR11487938	MAE = 0.0044 for SRR11487938	Aitchison = 5.4694 for SRR11487938
r^2 = 0.2702 for SRR11487939	MAE = 0.0045 for SRR11487939	Aitchison = 6.6592 for SRR11487939
r^2 = 0.2963 for SRR11487940	MAE = 0.0043 for SRR11487940	Aitchison = 5.8365 for SRR11487940
r^2 = 0.3061 for SRR11487941	MAE = 0.0044 for SRR11487941	Aitchison = 6.5904 for SRR11487941



r^2 = 0.7178 for SRR11487937	MAE = 0.0015 for SRR11487937	Aitchison = 7.3913 for SRR11487937
r^2 = 0.7123 for SRR11487938	MAE = 0.0016 for SRR11487938	Aitchison = 7.4751 for SRR11487938
r^2 = 0.7300 for SRR11487939	MAE = 0.0012 for SRR11487939	Aitchison = 7.8078 for SRR11487939
r^2 = 0.7304 for SRR11487940	MAE = 0.0014 for SRR11487940	Aitchison = 7.5581 for SRR11487940
r^2 = 0.7286 for SRR11487941	MAE = 0.0013 for SRR11487941	Aitchison = 7.7300 for SRR11487941



r^2 = 0.7237 for SRR11487937	MAE = 0.0010 for SRR11487937	Aitchison = 12.0795 for SRR11487937
r^2 = 0.7229 for SRR11487938	MAE = 0.0010 for SRR11487938	Aitchison = 11.9957 for SRR11487938
r^2 = 0.7235 for SRR11487939	MAE = 0.0010 for SRR11487939	Aitchison = 11.8832 for SRR11487939
r^2 = 0.7229 for SRR11487940	MAE = 0.0010 for SRR11487940	Aitchison = 12.0372 for SRR11487940
r^2 = 0.7231 for SRR11487941	MAE = 0.0010 for SRR11487941	Aitchison = 11.7710 for SRR11487941



r^2 = 0.5239 for SRR11487937	MAE = 0.0005 for SRR11487937	Aitchison = 25.7027 for SRR11487937
r^2 = 0.5187 for SRR11487938	MAE = 0.0005 for SRR11487938	Aitchison = 26.2593 for SRR11487938
r^2 = 0.5257 for SRR11487939	MAE = 0.0005 for SRR11487939	Aitchison = 25.8509 for SRR11487939
r^2 = 0.5221 for SRR11487940	MAE = 0.0005 for SRR11487940	Aitchison = 26.2613 for SRR11487940
r^2 = 0.5230 for SRR11487941	MAE = 0.0005 for SRR11487941	Aitchison = 26.1381 for SRR11487941