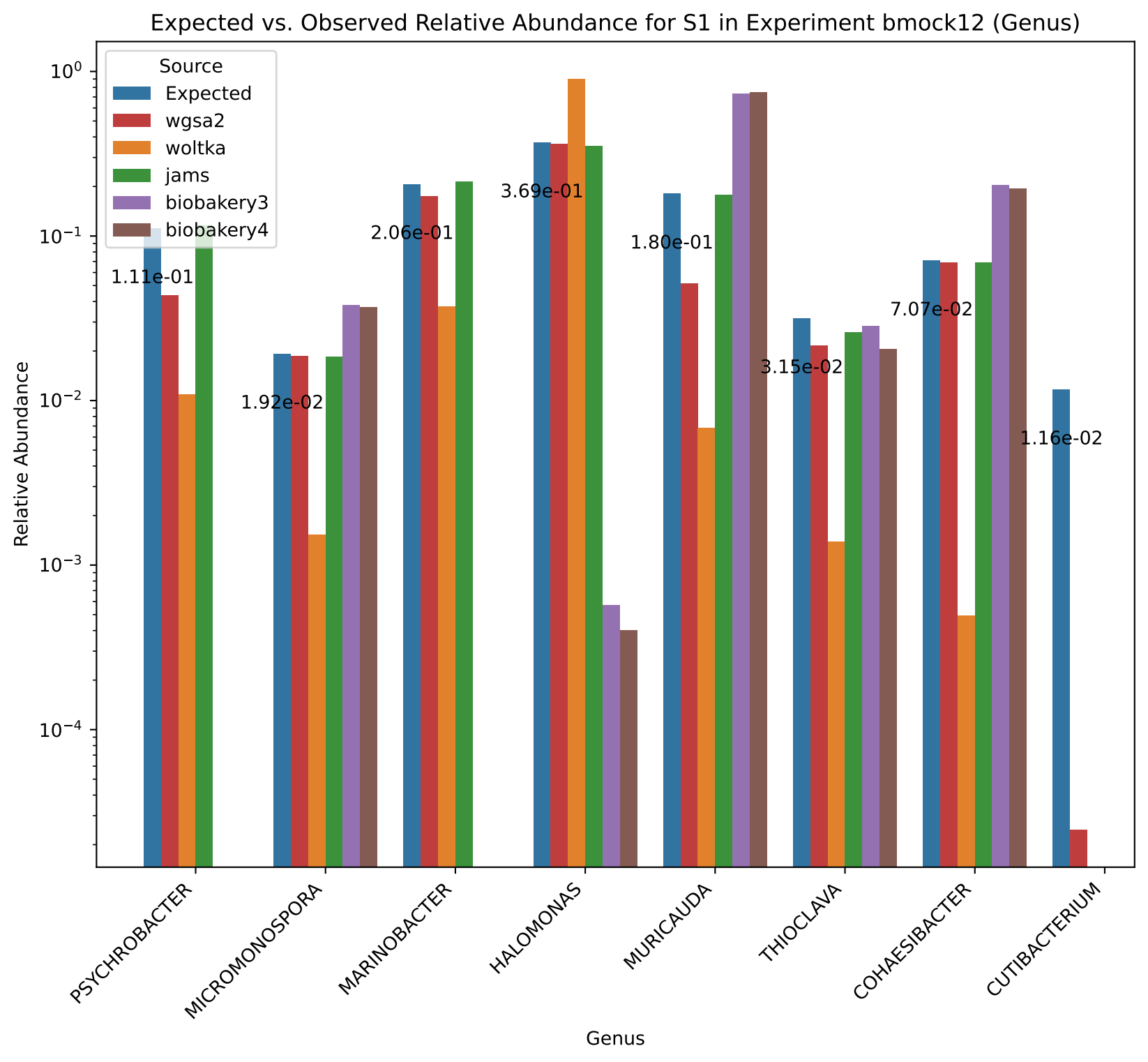
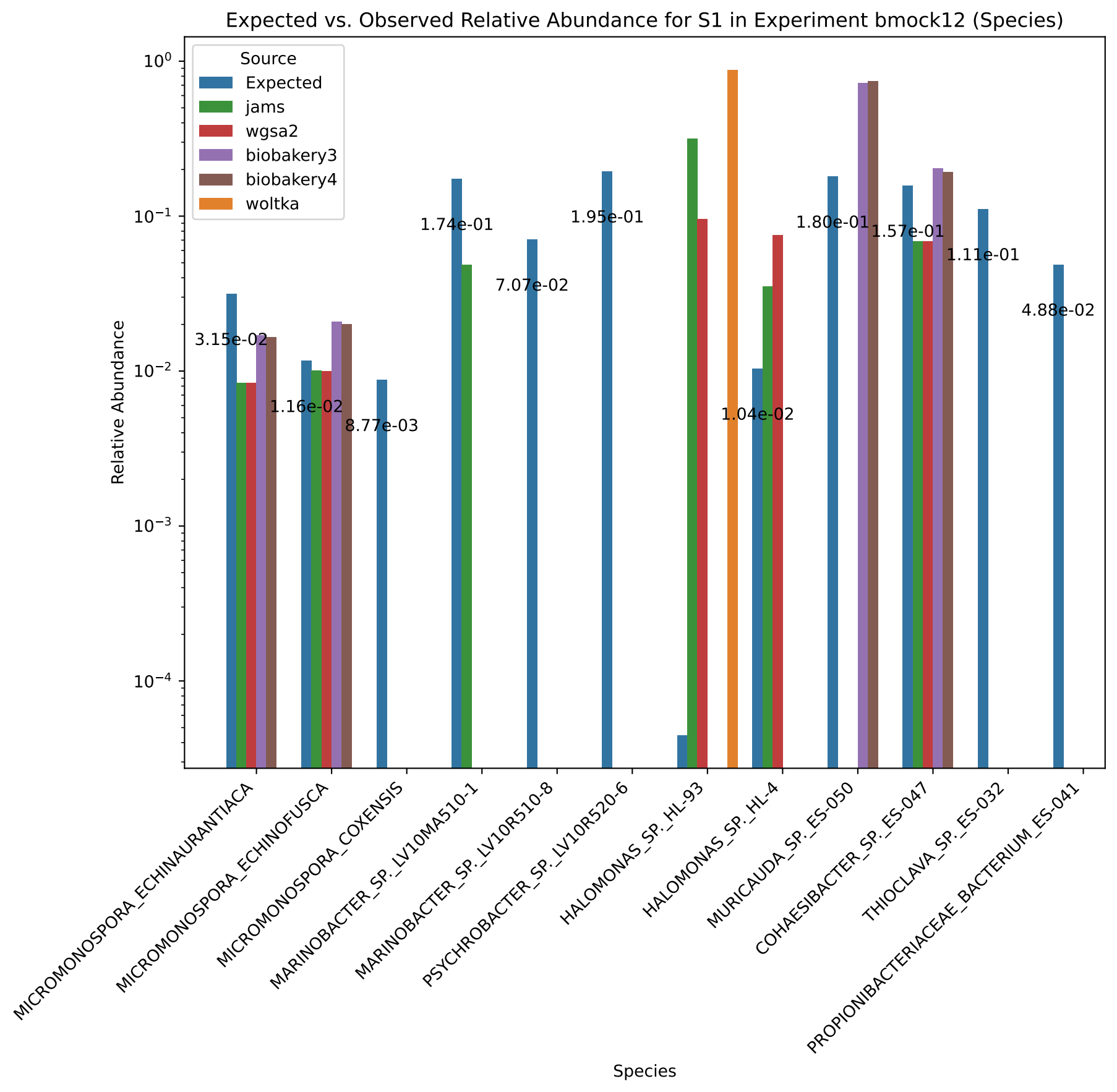
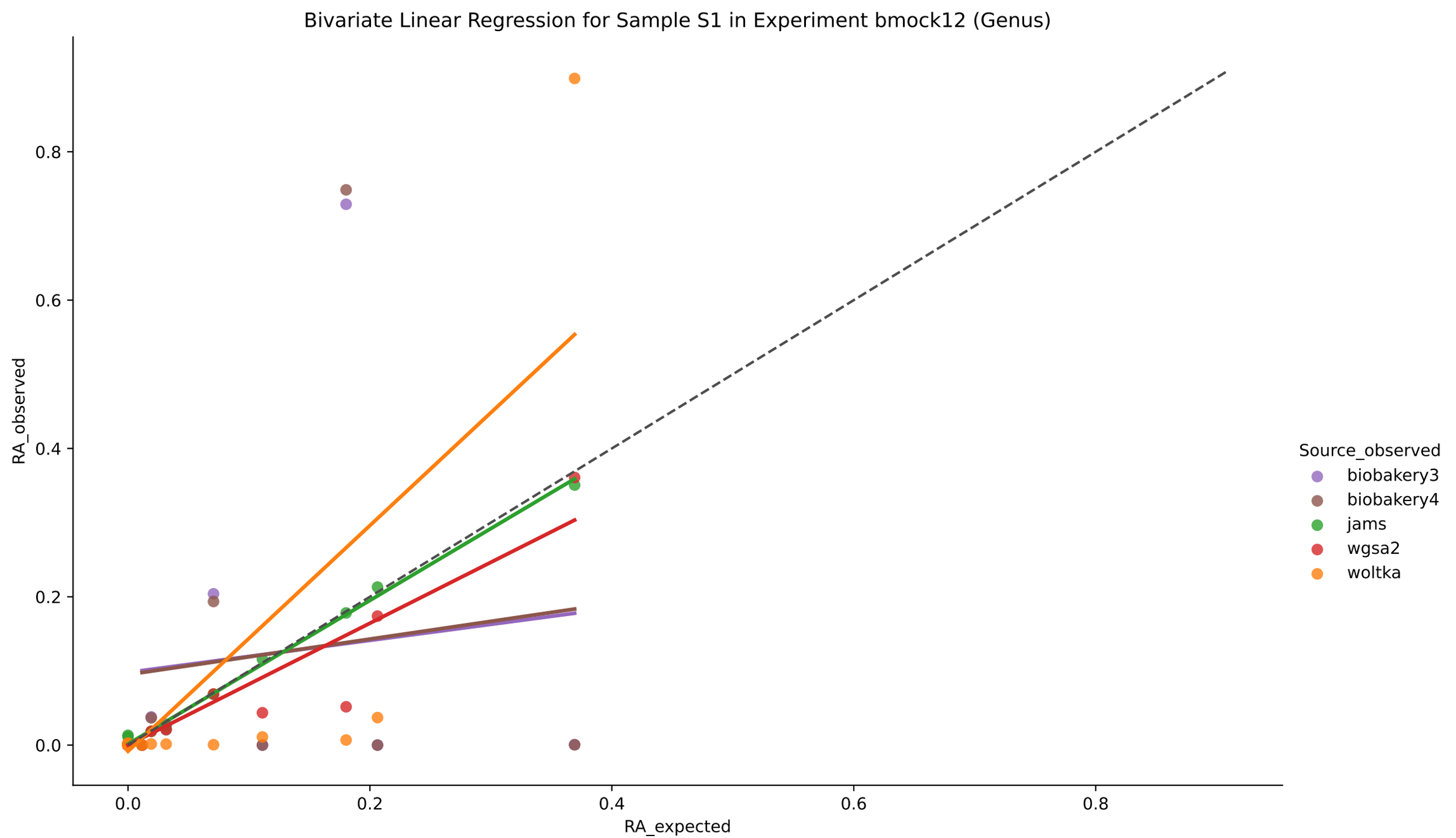
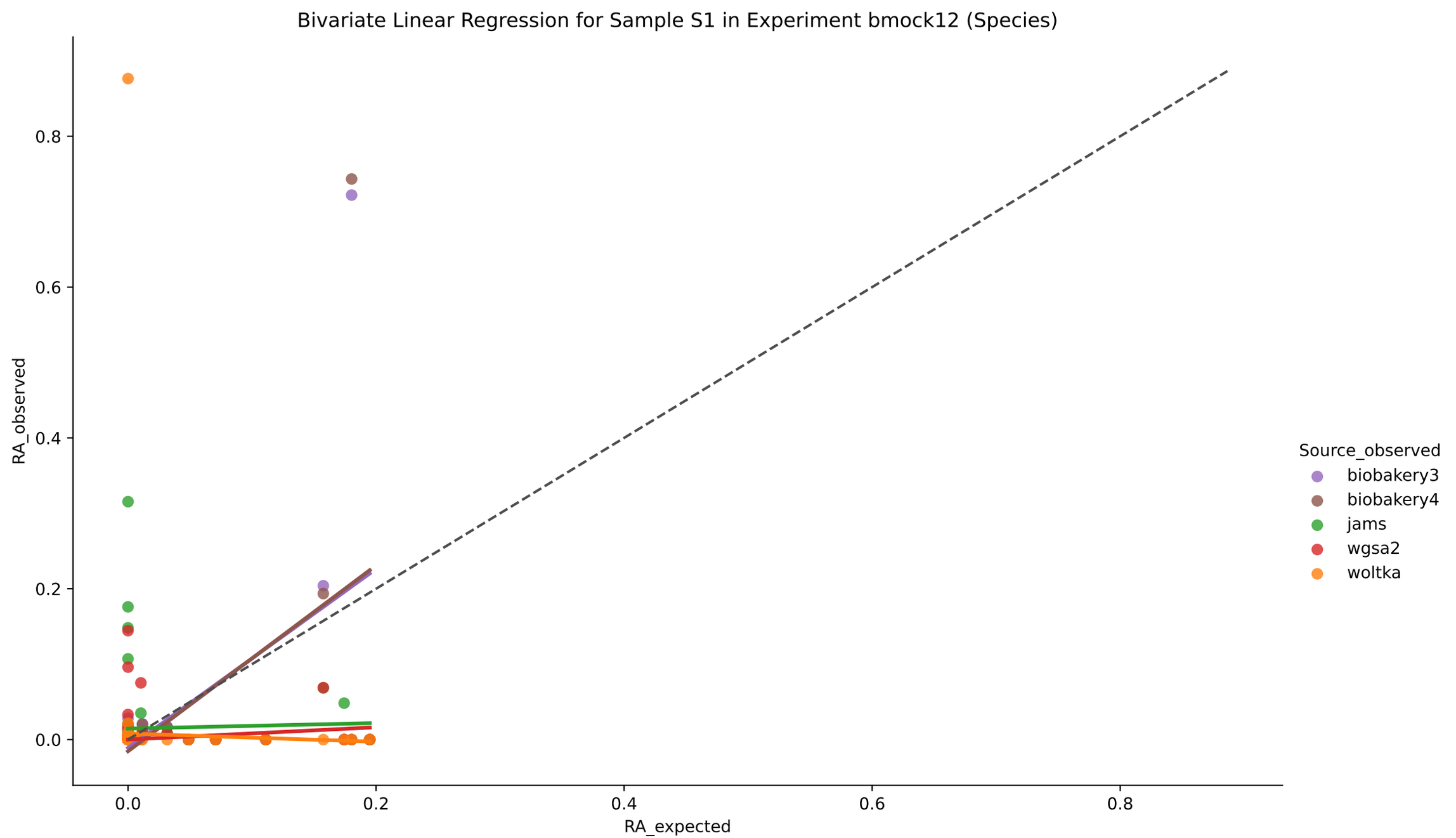

Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Genus)
Source
Expected
wgsa2
woltka
jams
biobakery3
biobakery4
Relative Abundance
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
1.11e-01
1.92e-02
2.06e-01
3.69e-01
1.80e-01
3.15e-02
7.07e-02
1.16e-02
PSYCHROBACTER
MICROMONOSPORA
MARINOBACTER
HALOMONAS
MURICAUDA
THIOCLAVA
COHAESIBACTER
CUTIBACTERIUM
Genus

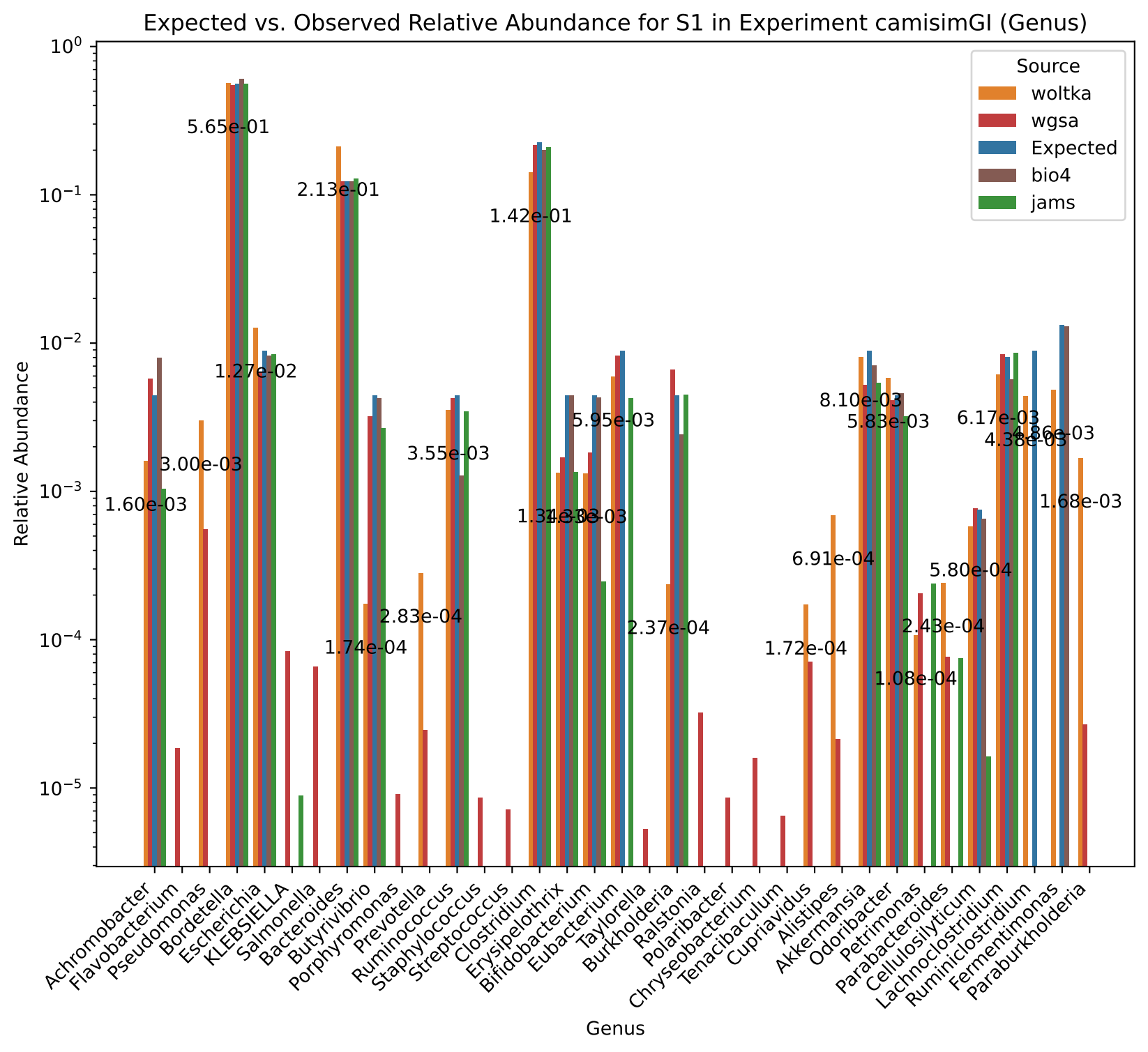

Expected vs. Observed Relative Abundance for S1 in Experiment bmock12 (Species)
Source
Expected
jams
wgsa2
biobakery3
biobakery4
woltka
Relative Abundance
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
3.15e-02
1.16e-02
8.77e-03
1.74e-01
7.07e-02
1.95e-01
1.04e-02
1.80e-01
1.57e-01
1.11e-01
4.88e-02
MICROMONOSPORA_ECHINAURANTIACA
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

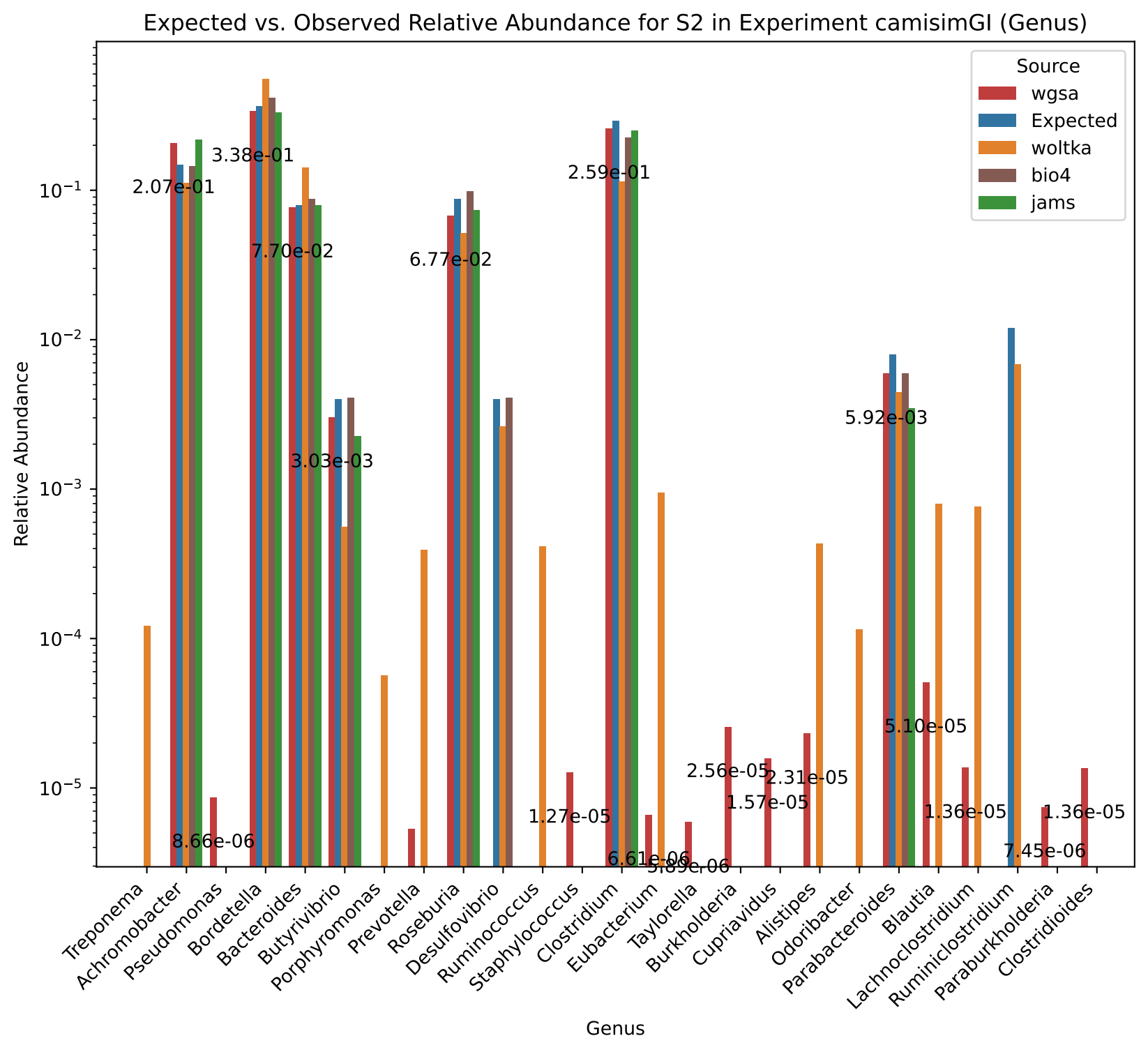


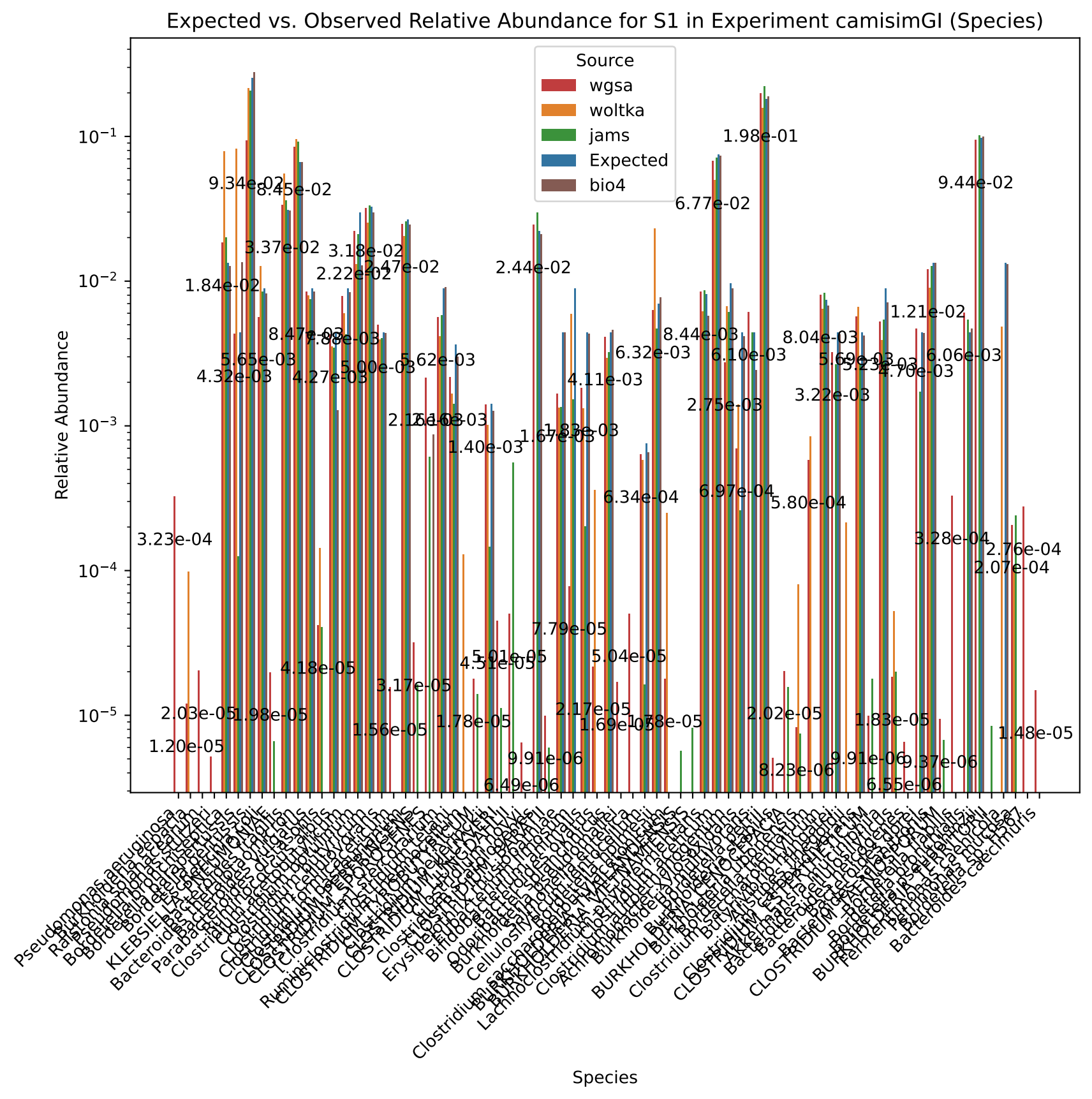
r^2 = 0.0109 for biobakery3	MAE = 0.1752 for biobakery3	Aitchison = 12.0621 for biobakery3
r^2 = 0.0127 for biobakery4	MAE = 0.1772 for biobakery4	Aitchison = 7.2019 for biobakery4
r^2 = 0.9959 for jams	MAE = 0.0035 for jams	Aitchison = 14.4321 for jams
r^2 = 0.9109 for wgsa2	MAE = 0.0002 for wgsa2	Aitchison = 100.0847 for wgsa2
r^2 = 0.6255 for woltka	MAE = 0.0181 for woltka	Aitchison = 12.4076 for woltka

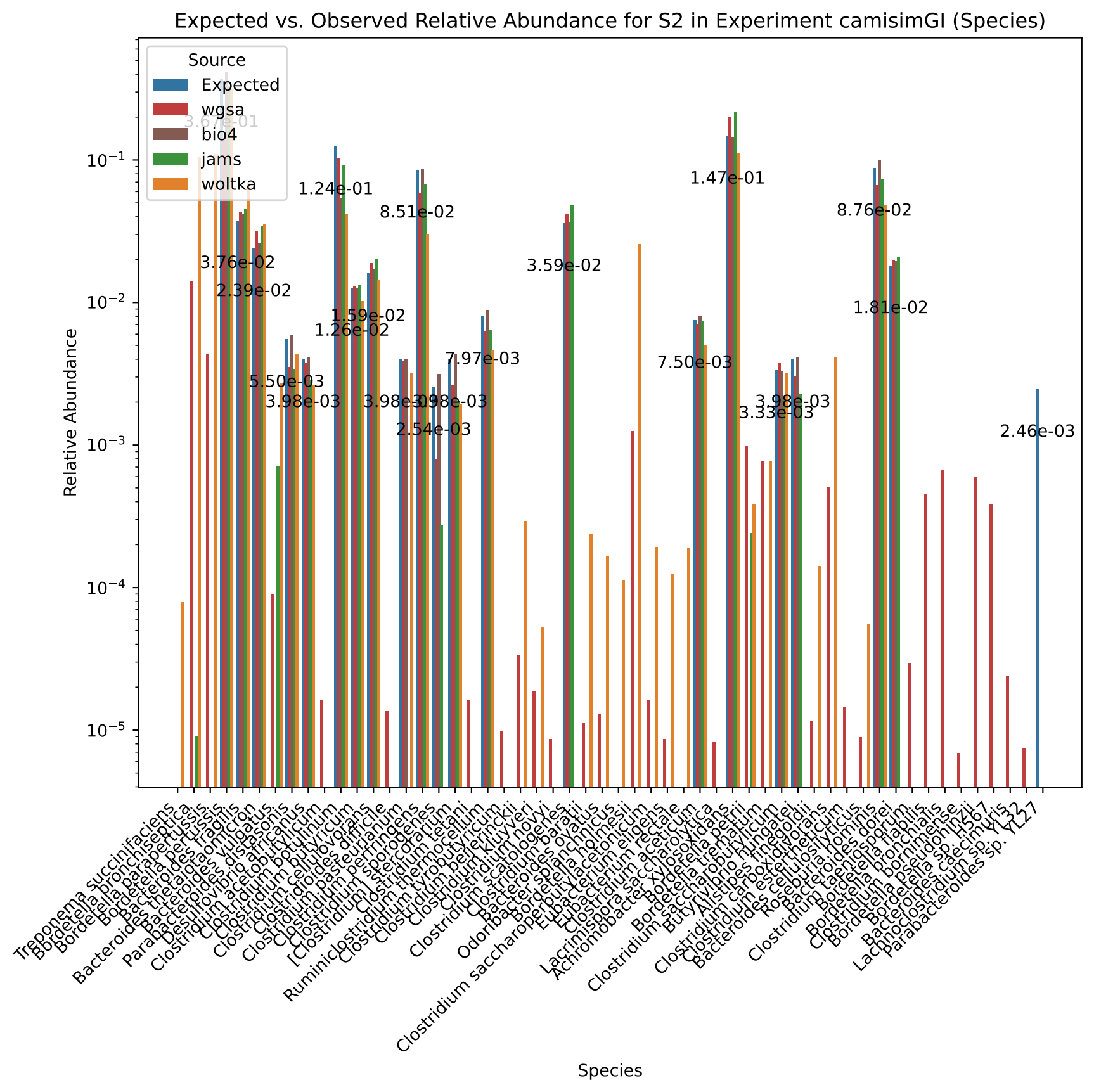


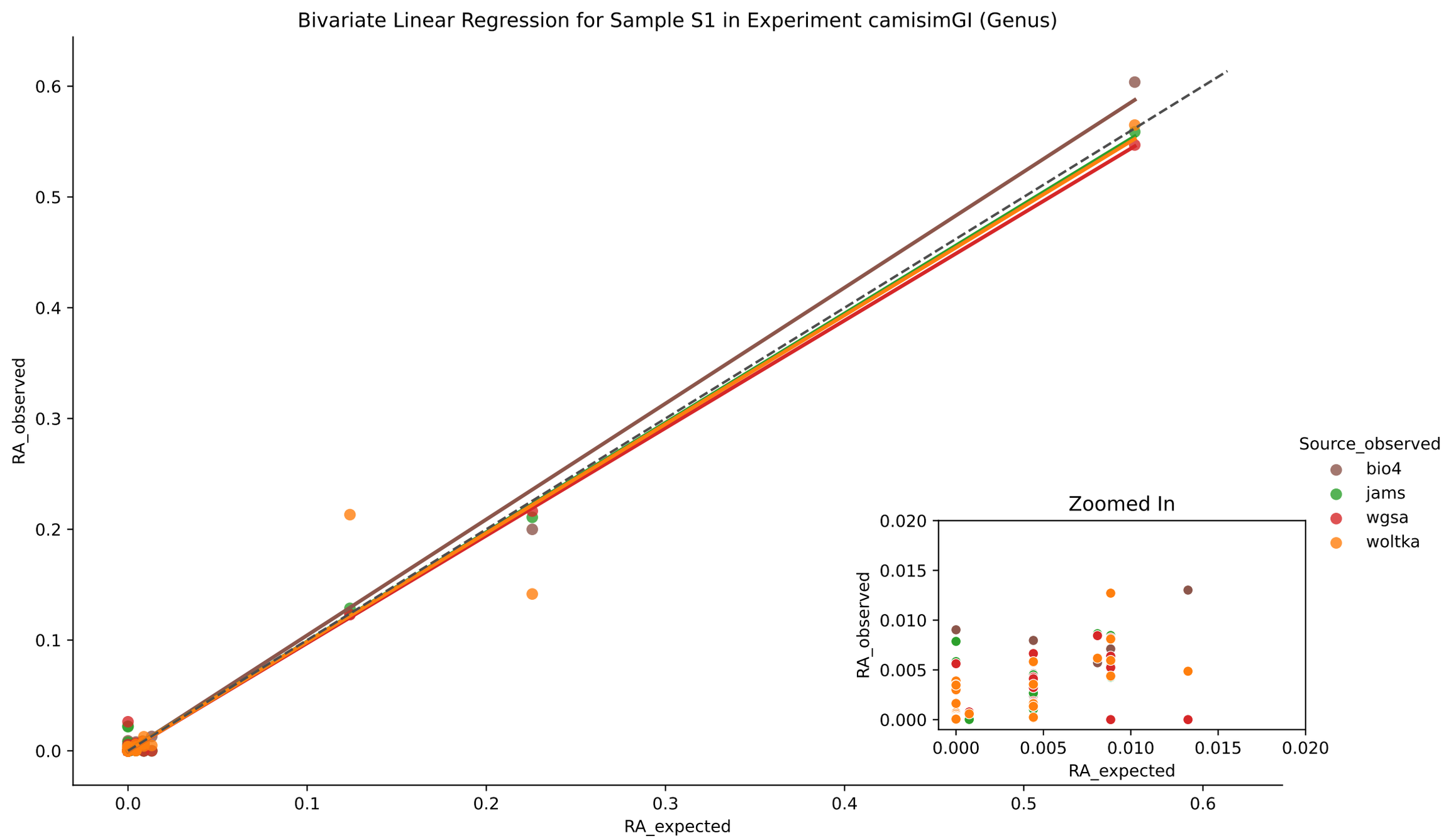
r^2 = 0.2446 for biobakery3	MAE = 0.0745 for biobakery3	Aitchison = 12.4281 for biobakery3
r^2 = 0.2316 for biobakery4	MAE = 0.0845 for biobakery4	Aitchison = 8.6479 for biobakery4
r^2 = 0.0011 for jams	MAE = 0.0259 for jams	Aitchison = 31.6477 for jams
r^2 = 0.0227 for wgsa2	MAE = 0.0002 for wgsa2	Aitchison = 182.4683 for wgsa2
r^2 = 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)
Relative Abundance
Genus
Source
woltka
wgsa
Expected
bio4
jams
1.60e-03
3.00e-03
5.65e-01
1.27e-02
2.13e-01
1.74e-04
2.83e-04
3.55e-03
1.42e-01
5.95e-03
6.91e-04
1.72e-04
8.10e-03
5.83e-03
2.37e-04
5.80e-04
2.43e-04
1.08e-04
6.17e-03
4.38e-03
1.68e-03
Achromobacter
Flavobacterium
Pseudomonas
Bordetella
Escherichia
KLEBSIELLA
Salmonella
Bacteroides
Butyrivibrio
Porphyromonas
Prevotella
Ruminococcus
Staphylococcus
Streptococcus
Clostridium
Erysipelothrix
Bifidobacterium
Eubacterium
Taylorella
Burkholderia
Ralstonia
Polaribacter
Chryseobacterium
Tenacibaculum
Cupriavidus
Alistipes
Akkermansia
Odoribacter
Petrimonas
Parabacteroides
Cellulosilyticum
Lachnoclostridium
Ruminiclostridium
Fermentimonas
Paraburkholderia

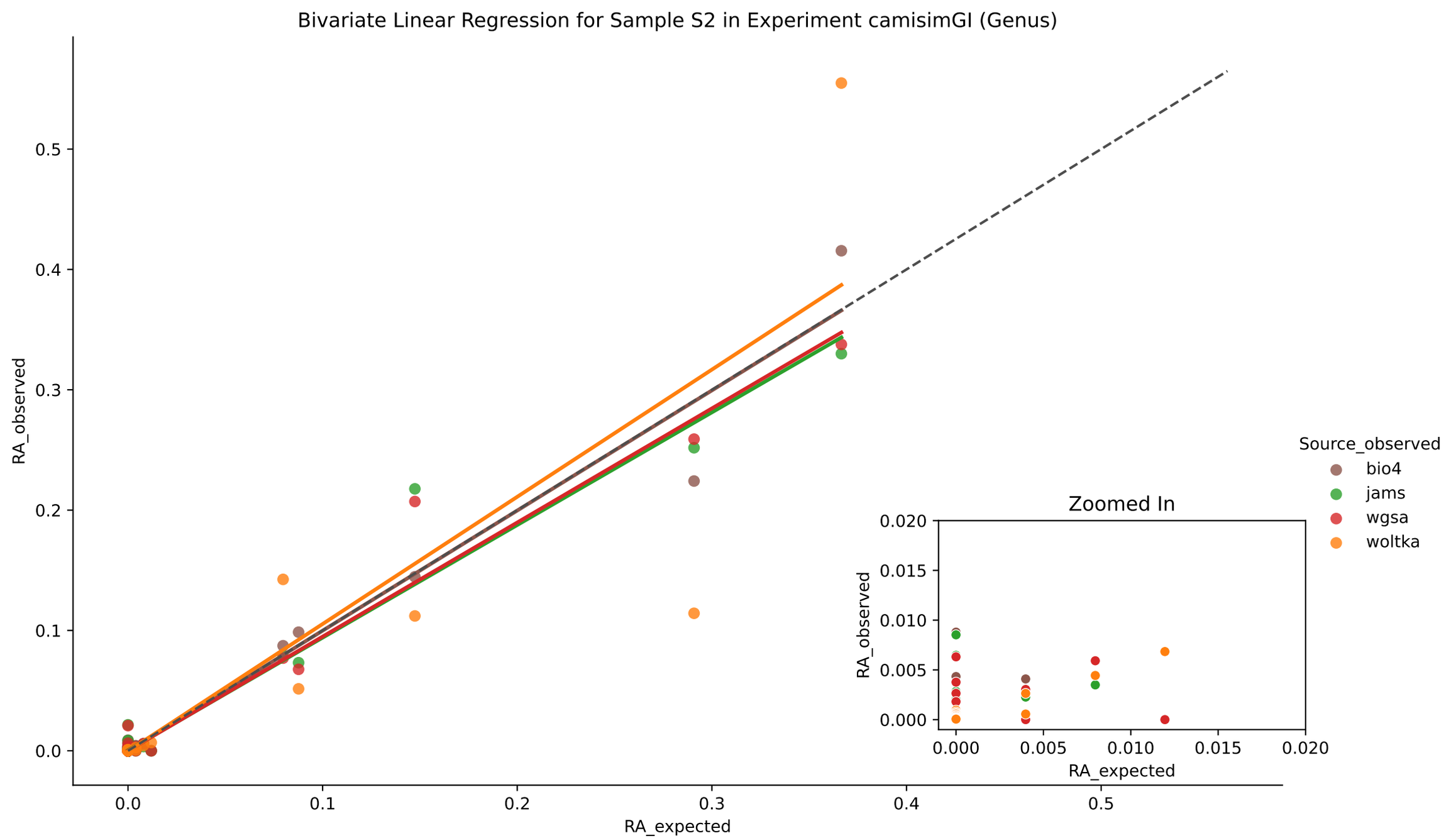

Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Genus)
Source
wgsa
Expected
woltka
bio4
jams
Relative Abundance
Genus
2.07e-01
3.38e-01
7.70e-02
6.77e-02
2.59e-01
3.03e-03
5.92e-03
5.10e-05
2.56e-05
2.31e-05
1.57e-05
1.27e-05
1.36e-05
1.36e-05
8.66e-06
6.61e-06
5.89e-06
7.45e-06
Treponema
Achromobacter
Pseudomonas
Bordetella
Bacteroides
Butyrivibrio
Porphyromonas
Prevotella
Roseburia
Desulfovibrio
Ruminococcus
Staphylococcus
Clostridium
Eubacterium
Taylorella
Burkholderia
Cupriavidus
Alistipes
Odoribacter
Parabacteroides
Blautia
Lachnoclostridium
Ruminiclostridium
Paraburkholderia
Clostridioides


Expected vs. Observed Relative Abundance for S1 in Experiment camisimGI (Species)
Source
wgsa
woltka
jams
Expected
bio4
Relative Abundance
Species


Expected vs. Observed Relative Abundance for S2 in Experiment camisimGI (Species)
Source
Expected
wgsa
bio4
jams
woltka
Relative Abundance
Species
3.67e-01
1.24e-01
8.51e-02
3.76e-02
2.39e-02
1.59e-02
1.26e-02
5.50e-03
3.98e-03
3.98e-03
3.98e-03
2.54e-03
7.97e-03
3.59e-02
1.47e-01
7.50e-03
3.98e-03
3.33e-03
8.76e-02
1.81e-02
2.46e-03
Treponema succinifaciens
Bordetella pronchiseptica
Bordetella parapertussis
Bordetella pertussis
Bacteroides thetaiotaomicron
Parabacteroides merdae
Bacteroides fragilis
Desulfovibrio vulgaris
Clostridium acetobutylicum
Clostridium botulinum
Clostridium cellulovorans
Clostridium butyricum
Clostridioides difficile
Clostridium pasteurianum
Clostridium perfringens
[Clostridium] sporogenes
RuminiClostridium thermocellum
Clostridium stercorarium
Clostridium tetani
Clostridium tyrobutyricum
Clostridium beijerinckii
Clostridium kluyveri
Clostridium novyi
Clostridium scatologenes
Bacteroides barnesiae
Bordetella bronchialis
Odoribacter splanchnicus
Clostridium saccharoperbutylacetonicum
Eubacterium limosum
Eubacterium eligens
Clostridium ragsdalei
Lacrimispora saccharolytica
Achromobacter xylosoxidans
Bordetella trematum
Clostridium saccharobutylicum
Butyrivibrio hungatei
Alistipes finegoldii
Clostridium carboxidivorans
Bacteroides cellulosilyticus
Roseburia hominis
Clostridium thermosuccinogenes
Bacteroides dorei
Clostridium taeniosporum
Bordetella flabilis
Bordetella bronchialis
Bordetella bornimensis
Bordetella pseudohinzii
Lachnoclostridium sp. H567
Bacteroides caecimuris
Parabacteroides sp. YL32
Parabacteroides sp. YL27



r^2 = 0.9955 for bio4	MAE = 0.0007 for bio4	Aitchison = 9.2608 for bio4
r^2 = 0.9957 for jams	MAE = 0.0005 for jams	Aitchison = 29.1126 for jams
r^2 = 0.9972 for wgsa	MAE = 0.0001 for wgsa	Aitchison = 55.1638 for wgsa
r^2 = 0.9600 for woltka	MAE = 0.0014 for woltka	Aitchison = 13.8504 for woltka

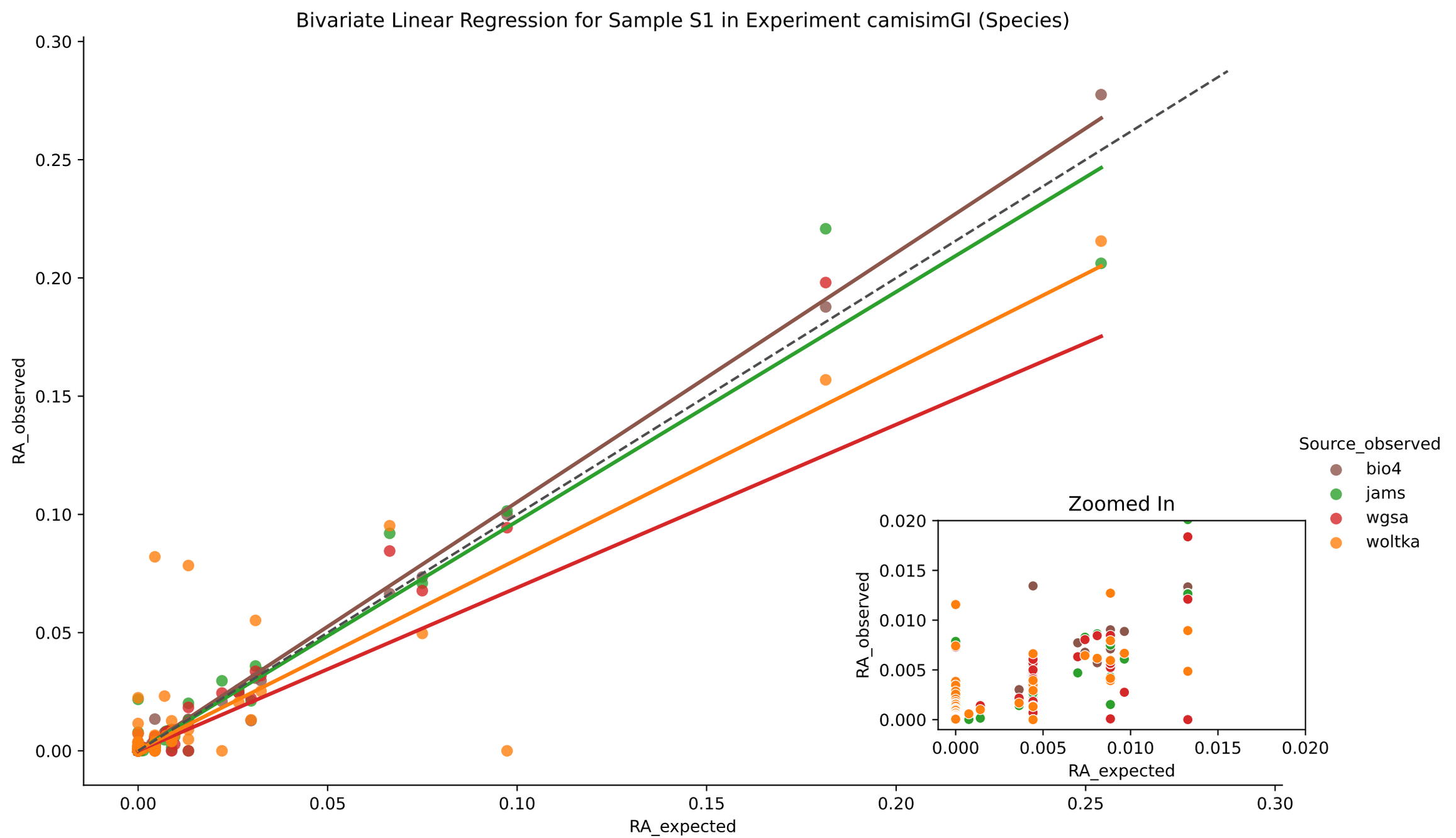


r² = 0.9714 for bio4 MAE = 0.0011 for bio4 Aitchison = 9.7981 for bio4

r² = 0.9656 for jams MAE = 0.0014 for jams Aitchison = 18.0148 for jams

r² = 0.9752 for wgsa MAE = 0.0003 for wgsa Aitchison = 47.4968 for wgsa

r² = 0.7936 for woltka MAE = 0.0030 for woltka Aitchison = 10.4643 for woltka

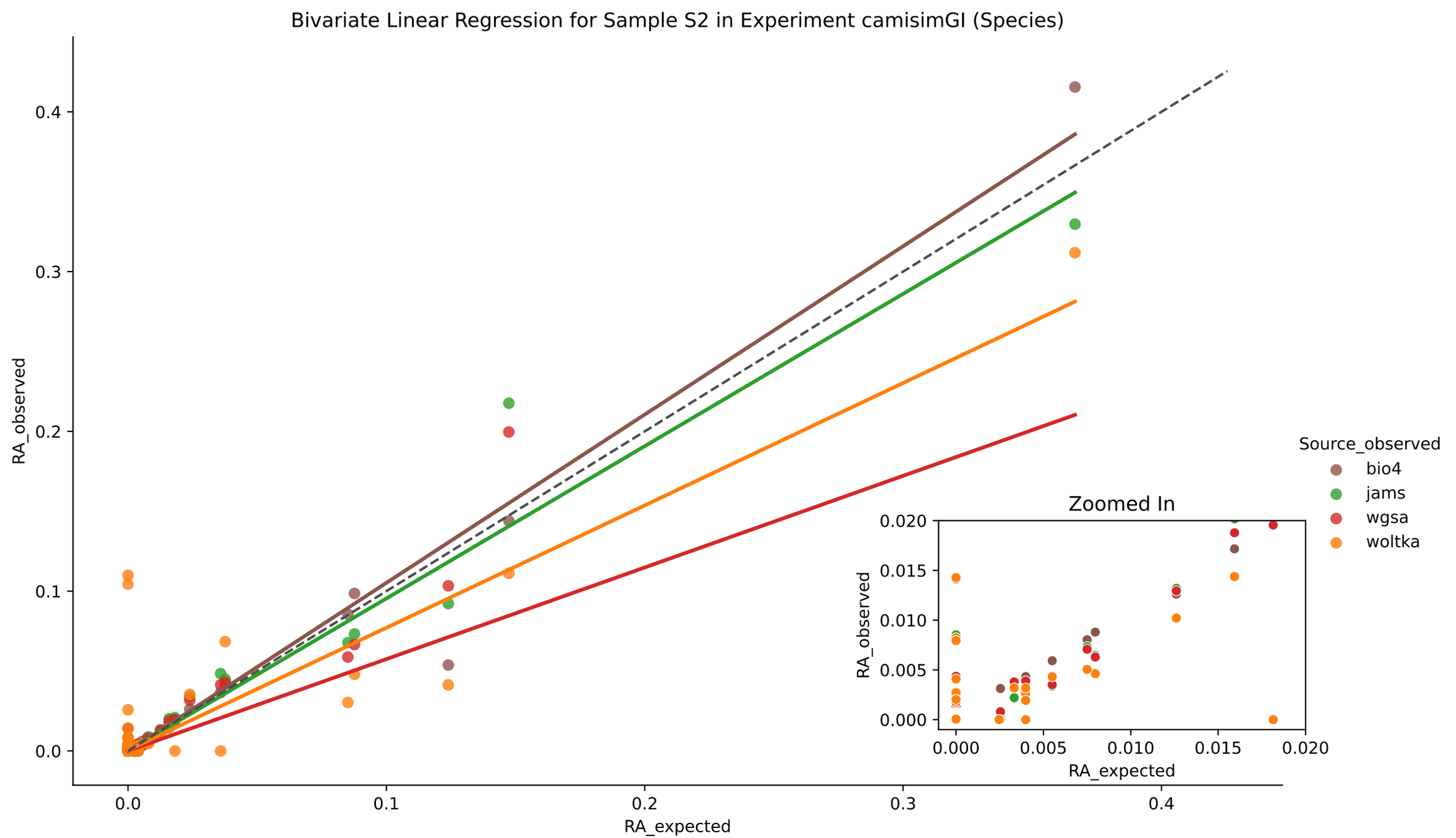


r^2 = 0.9944 for bio4 | MAE = 0.0003 for bio4 | Aitchison = 11.9254 for bio4

r^2 = 0.9536 for jams | MAE = 0.0004 for jams | Aitchison = 36.7486 for jams

r^2 = 0.7923 for wgsa | MAE = 0.0001 for wgsa | Aitchison = 85.7691 for wgsa

r^2 = 0.7839 for woltka | MAE = 0.0014 for woltka | Aitchison = 40.1887 for woltka



r^2 = 0.9677 for bio4	MAE = 0.0004 for bio4	Aitchison = 9.5078 for bio4
r^2 = 0.9561 for jams	MAE = 0.0005 for jams	Aitchison = 22.7604 for jams
r^2 = 0.7472 for wgsa	MAE = 0.0002 for wgsa	Aitchison = 69.4049 for wgsa
r^2 = 0.7747 for woltka	MAE = 0.0015 for woltka	Aitchison = 42.5109 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

0.1
0.01
0.001
ive Abundance

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

genus

Expected vs. Observed Relative Abundance for genus using wgsa 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
Clostridioides
CUTIBACTERIUM
Mediterraneibacter
ENTEROCLOSTER

genus

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

SampleID
expected
SRR17380244
SRR17380241
SRR17380242
SRR17380243
SRR17380246
SRR17380245

Relative Abundance

0.1
0.01
0.001

PSEUDOMONAS
ESCHERICHIA
Shigella
BACTEROIDES
Prevotella
Roseburia
MEGASPHAERA
RUMINOCOCCUS
STAPHYLOCOCCUS
STREPTOCOCCUS
BACILLUS
Clostridium
LACTOBACILLUS
BIFIDOBACTERIUM
Eubacterium
Coprococcus
COLLINSELLA
MEGAMONAS
ANAEROSTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
FLAVONIFRACTOR
Lachnoclostridium
Tyzzerella
CUTIBACTERIUM
ENTEROCLOSTER

genus

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

SampleID
expected
SRR17380246
SRR17380241
SRR17380244
SRR17380242
SRR17380243
SRR17380245

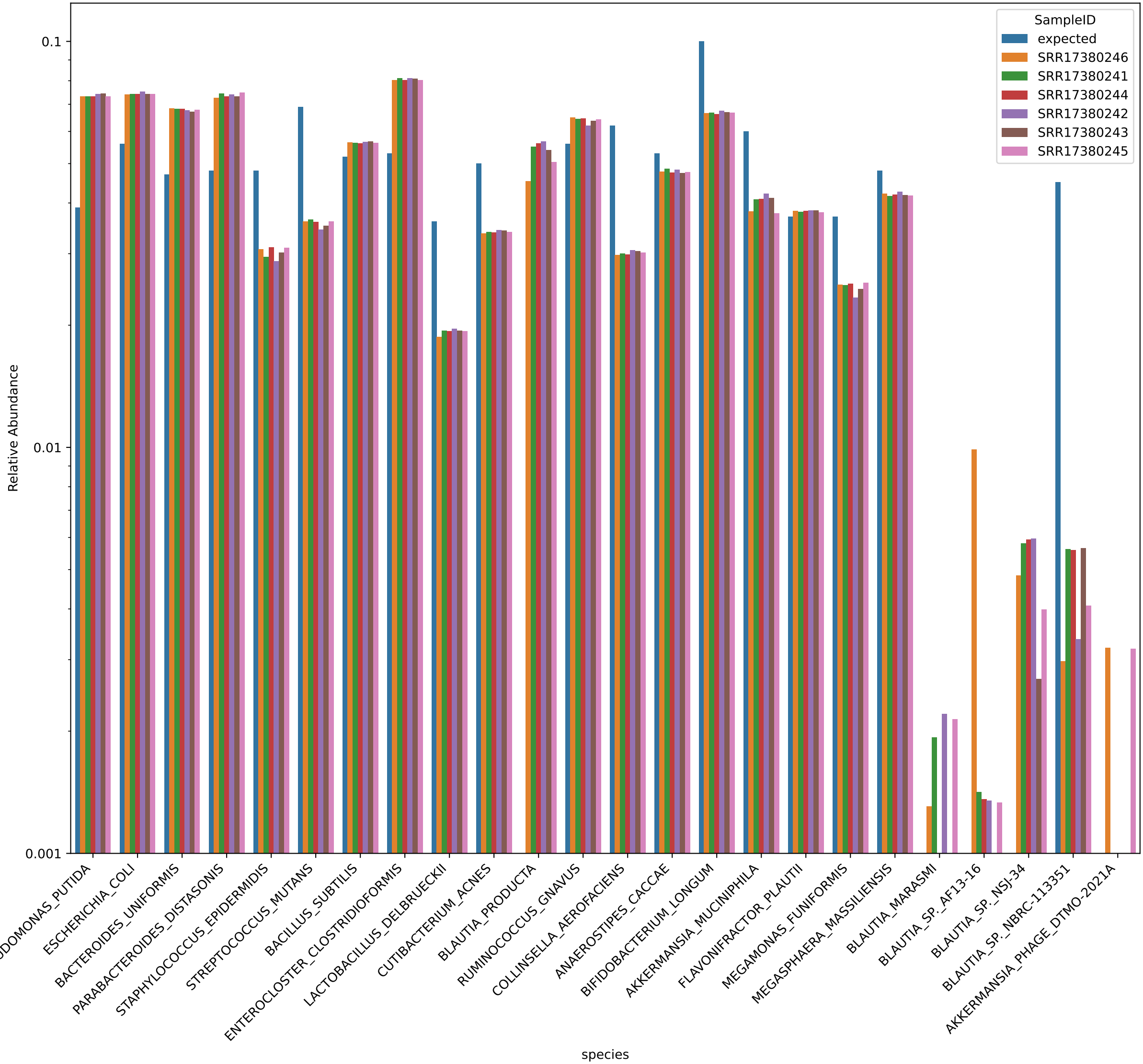
Relative Abundance

0.1
0.01
0.001

PSEUDOMONAS_PUTIDA
ESCHERICHIA_COLI
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
STAPHYLOCOCCUS_EPIDERMIDIS
STREPTOCOCCUS_MUTANS
BACILLUS_SUBTILIS
ENTEROCLOSTER_CLOSTRIDIOFORMIS
LACTOBACILLUS_DELBRUECKII
CUTIBACTERIUM_ACNES
BLAUTIA_PRODUCTA
RUMINOCOCCUS_GNAVUS
COLLINSELLA_AEROFACIENS
ANAEROSTIPES_CACCAE
PSEUDOMONAS_PUTIDA_GROUP
MEGAMONAS_HYPERMEGALE
BACILLUS_MURIMARTINI
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
FLAVONIFRACTOR_PLAUTII
MEGAMONAS_FUNIFORMIS
MEGASPHAERA_MASSILIENSIS
MEGASPHAERA_SP._DISK-18
BACILLUS_INTESTINALIS
BLAUTIA_SP._NBRC-113351

species

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



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
Megasphaera elsdenii
STAPHYLOCOCCUS_EPIDERMIDIS
STREPTOCOCCUS_MUTANS
BACILLUS_SUBTILIS
Clostridioides difficile
ENTEROCLOSTER_CLOSTRIDIOFORMIS
LACTOBACILLUS_DELBRUECKII
CUTIBACTERIUM_ACNES
Blautia producta
RUMINOCOCCUS_GNAVUS
COLLINSELLA_AEROFACIENS
ANAEROSTIPES_CACCAE
Enterocloster bolteae
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
FLAVONIFRACTOR_PLAUTII
MEGAMONAS_FUNIFORMIS
MEGASPHAERA_MASSILIENSIS
Blautia sp. YL58
Lachnoclostridium sp. YL32
Blautia argi
Megasphaera stantonii
BLAUTIA_SP._NBRC-113351

species

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

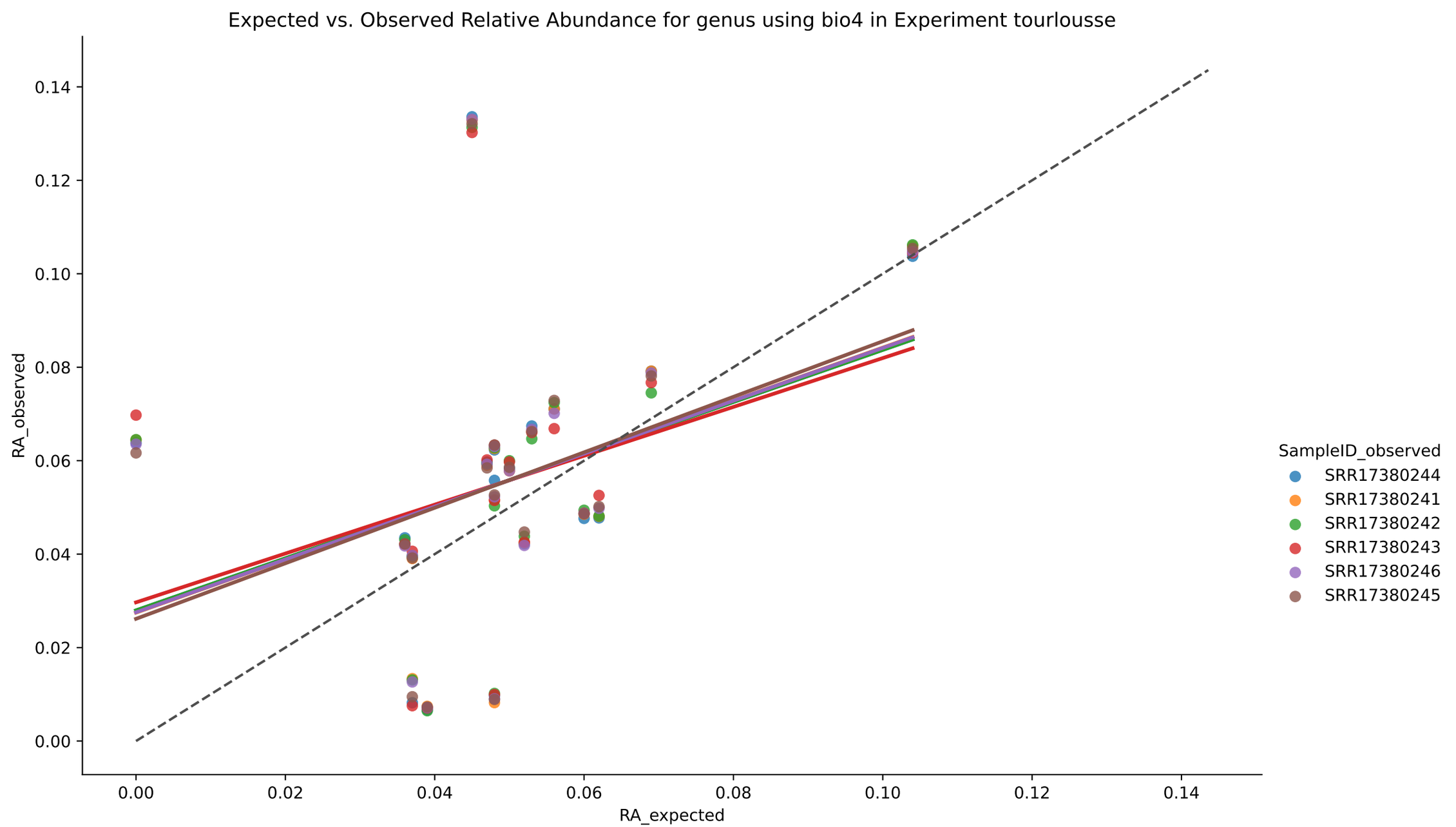
SampleID
expected
SRR17380246
SRR17380241
SRR17380244
SRR17380242
SRR17380243
SRR17380245

Relative Abundance

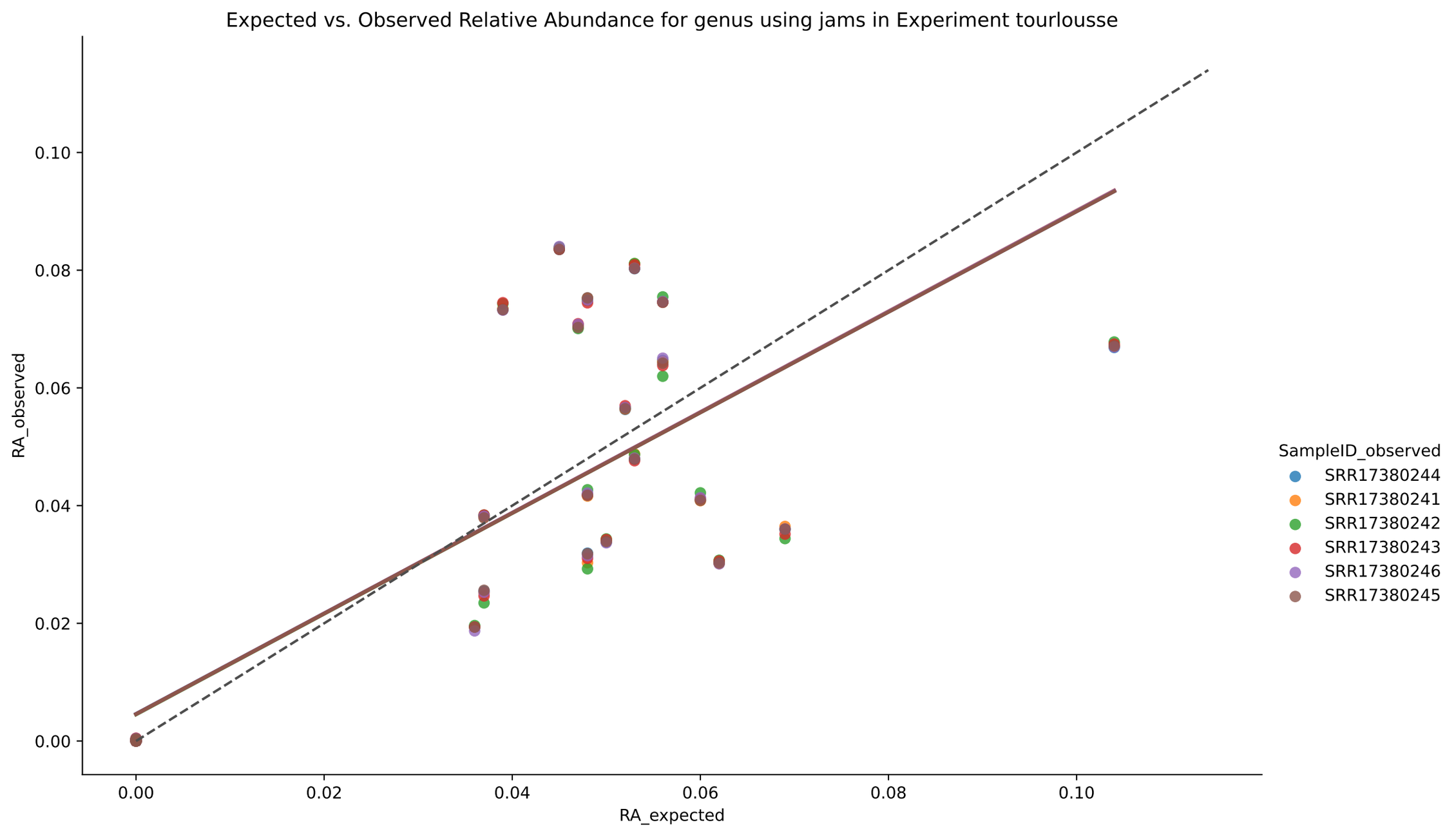
0.1
0.01
0.001

PSEUDOMONAS_PUTIDA
ESCHERICHIA_COLI
Shigella dysenteriae
Shigella flexneri
Bacteroides fragilis
Bacteroides thetaiotaomicron
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
STAPHYLOCOCCUS_EPIDERMIDIS
STREPTOCOCCUS_MUTANS
Bacillus amyloliquefaciens
BACILLUS_SUBTILIS
ENTEROCLOSTER_CLOSTRIDIOFORMIS
LACTOBACILLUS_DELBRUECKII
Bifidobacterium breve
CUTIBACTERIUM_ACNES
Tyzzerella nexilis
Blautia producta
RUMINOCOCCUS_GNAVUS
Eubacterium ramulus
Bacteroides stercoris
COLLINSELLA_AEROFACIENS
ANAEROSTIPES_CACCAE
Clostridium bolteae
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
FLAVONIFRACTOR_PLAUTII
Bacteroides plebeius
Bacteroides coprocola
Bacteroides coprophilus
Prevotella stercorea
Parabacteroides johnsonii
MEGAMONAS_FUNIFORMIS
Bacillus velezensis
Parabacteroides gordonii
MEGASPHAERA_MASSILIENSIS
Anaerostipes sp. CAG:276
Collinsella sp. CAG:166
Akkermansia muciniphila CAG:154
Clostridium bolteae CAG:59
Clostridium clostridioforme CAG:132
Clostridium clostridioforme CAG:511
Staphylococcus sp. DORA_6_22
Bacillus sp. BSC154
Akkermansia sp. UNK.MGS-1
Staphylococcus sp. HMSC062B11
Akkermansia sp. 54_46
Akkermansia sp. Phil8
BLAUTIA_SP._NBRC-113351

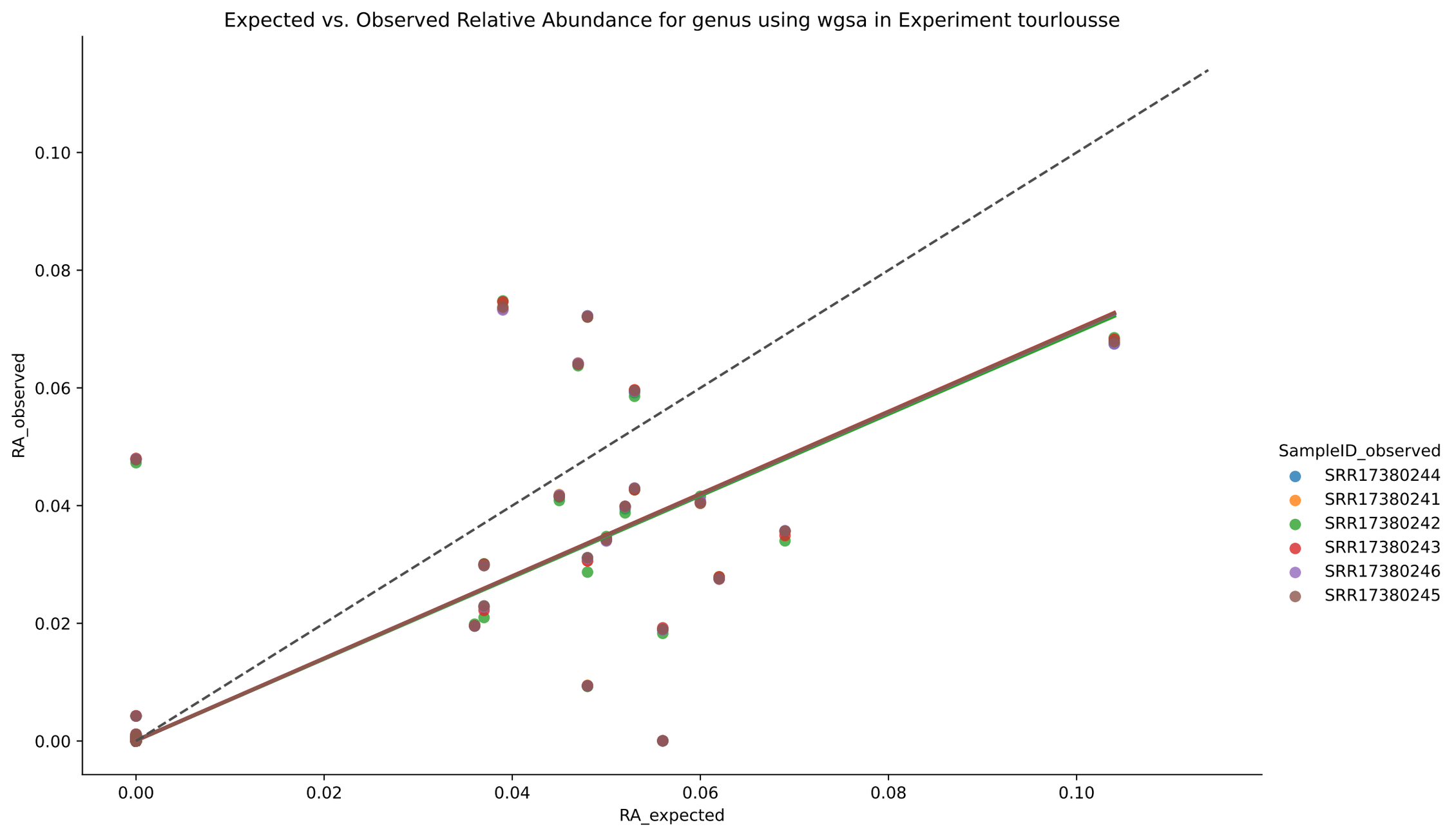
species



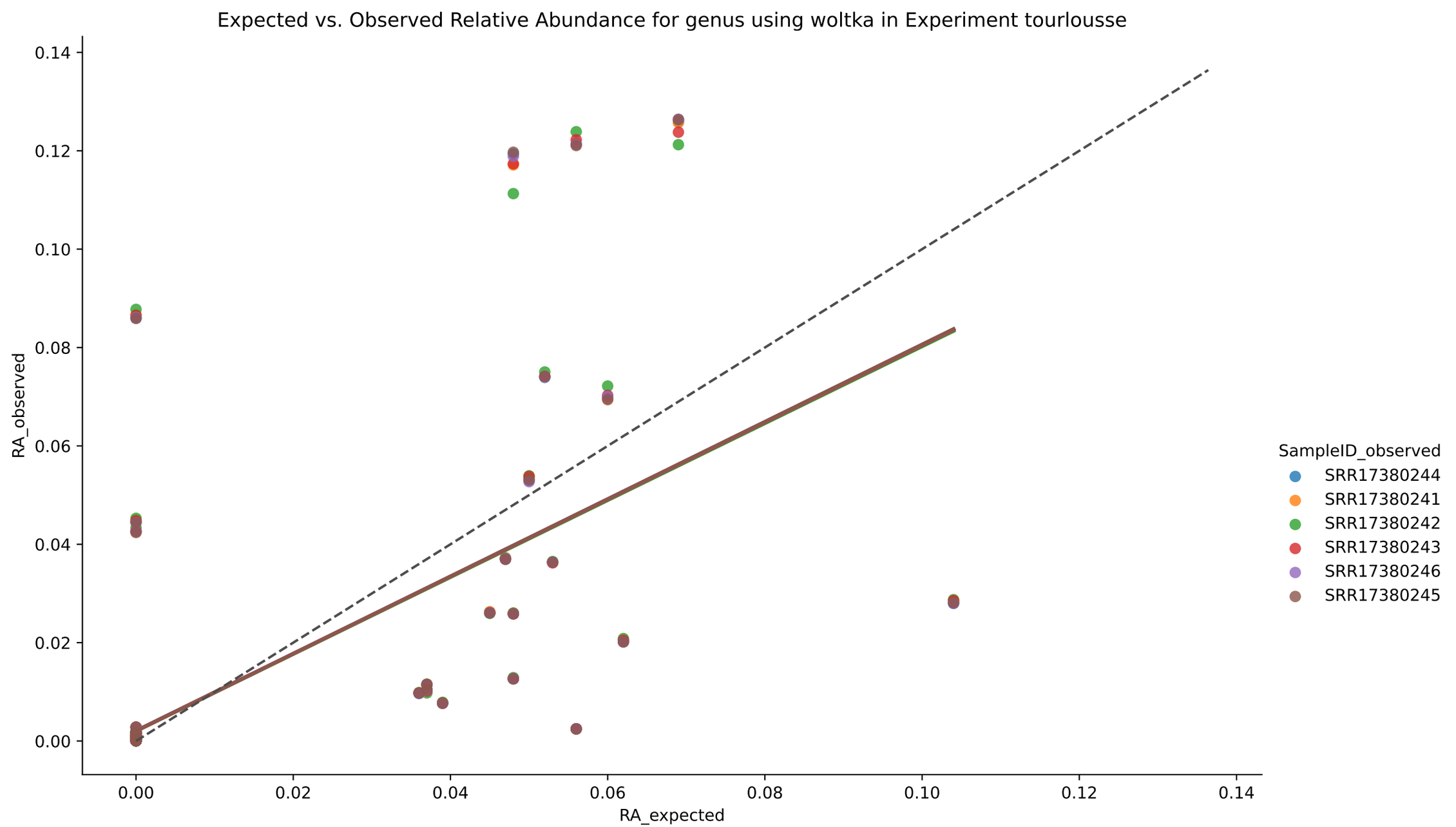
r² = 0.1306 for SRR17380241	MAE = 0.0205 for SRR17380241	Aitchison = 4.2938 for SRR17380241
r² = 0.1303 for SRR17380242	MAE = 0.0202 for SRR17380242	Aitchison = 4.2657 for SRR17380242
r² = 0.1133 for SRR17380243	MAE = 0.0204 for SRR17380243	Aitchison = 4.4591 for SRR17380243
r² = 0.1242 for SRR17380244	MAE = 0.0212 for SRR17380244	Aitchison = 4.4172 for SRR17380244
r² = 0.1432 for SRR17380245	MAE = 0.0204 for SRR17380245	Aitchison = 4.3296 for SRR17380245
r² = 0.1313 for SRR17380246	MAE = 0.0204 for SRR17380246	Aitchison = 4.2718 for SRR17380246



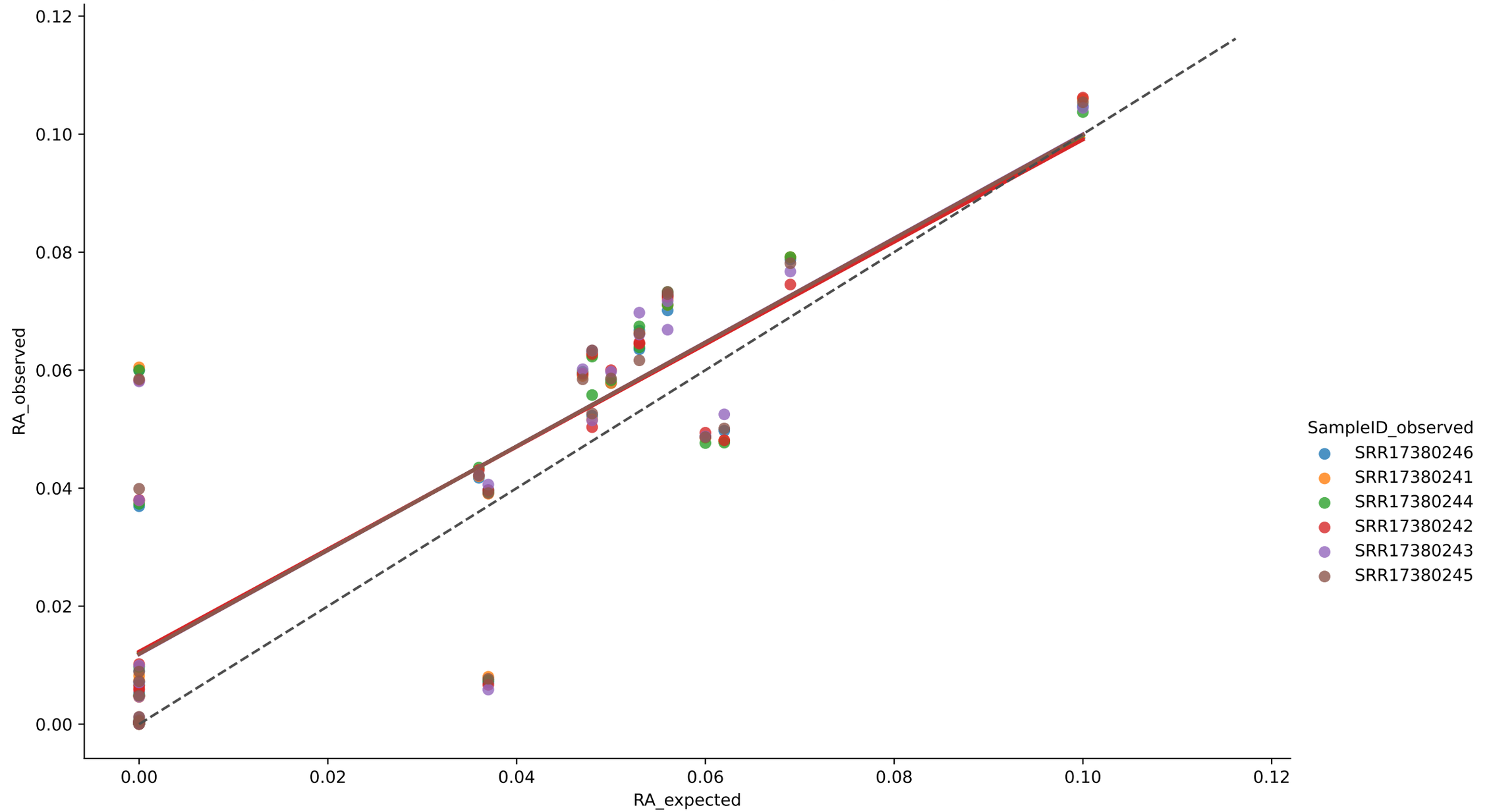
r^2 = 0.6426 for SRR17380241	MAE = 0.0126 for SRR17380241	Aitchison = 6.1660 for SRR17380241
r^2 = 0.6405 for SRR17380242	MAE = 0.0126 for SRR17380242	Aitchison = 9.8794 for SRR17380242
r^2 = 0.6417 for SRR17380243	MAE = 0.0127 for SRR17380243	Aitchison = 5.4040 for SRR17380243
r^2 = 0.6435 for SRR17380244	MAE = 0.0126 for SRR17380244	Aitchison = 6.5806 for SRR17380244
r^2 = 0.6449 for SRR17380245	MAE = 0.0125 for SRR17380245	Aitchison = 6.2991 for SRR17380245
r^2 = 0.6427 for SRR17380246	MAE = 0.0126 for SRR17380246	Aitchison = 5.6984 for SRR17380246



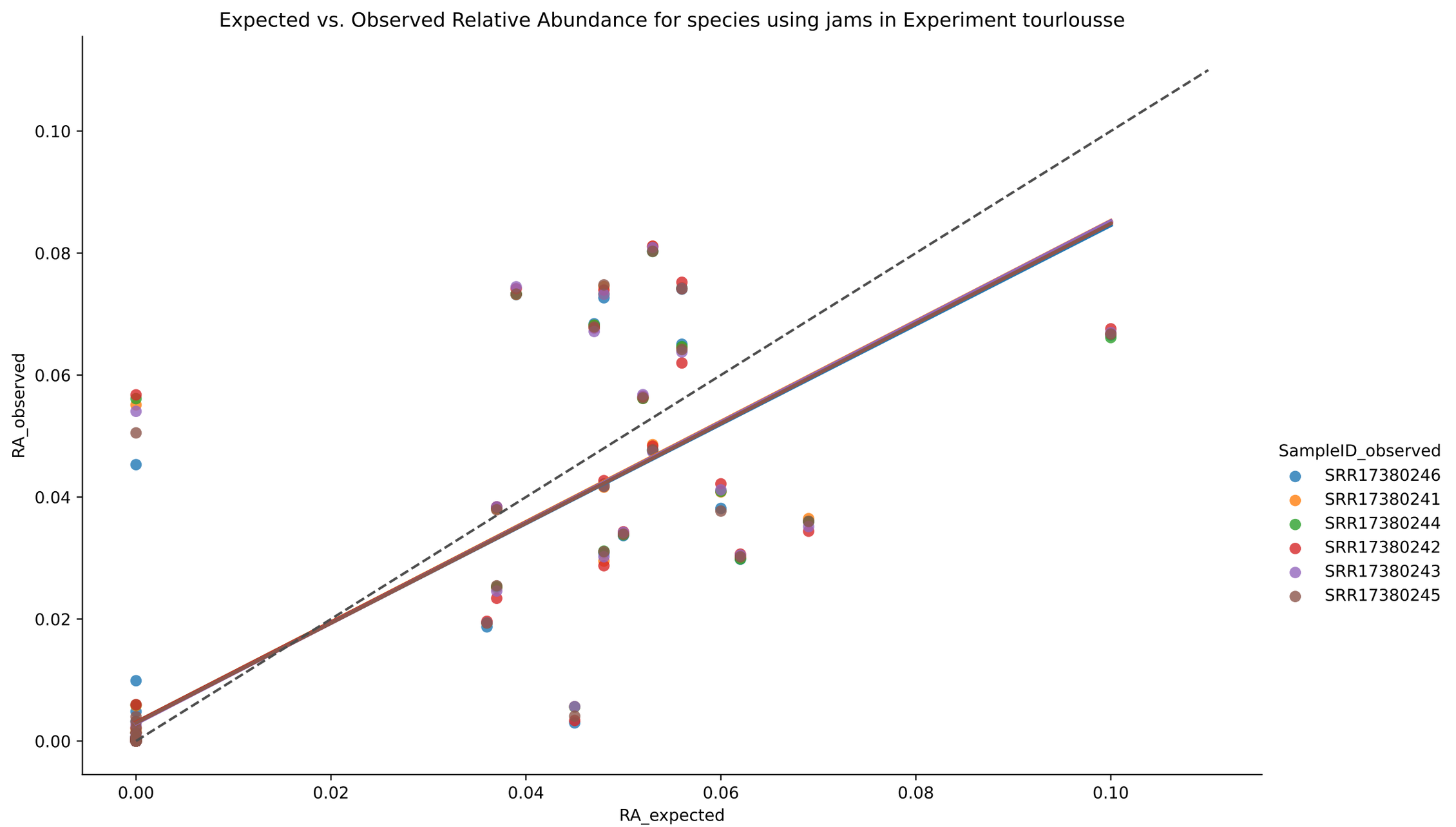
r² = 0.7195 for SRR17380241	MAE = 0.0004 for SRR17380241	Aitchison = 53.0072 for SRR17380241
r² = 0.7166 for SRR17380242	MAE = 0.0004 for SRR17380242	Aitchison = 53.2296 for SRR17380242
r² = 0.7186 for SRR17380243	MAE = 0.0004 for SRR17380243	Aitchison = 53.6342 for SRR17380243
r² = 0.7197 for SRR17380244	MAE = 0.0004 for SRR17380244	Aitchison = 54.8273 for SRR17380244
r² = 0.7202 for SRR17380245	MAE = 0.0004 for SRR17380245	Aitchison = 54.0629 for SRR17380245
r² = 0.7198 for SRR17380246	MAE = 0.0004 for SRR17380246	Aitchison = 53.9511 for SRR17380246



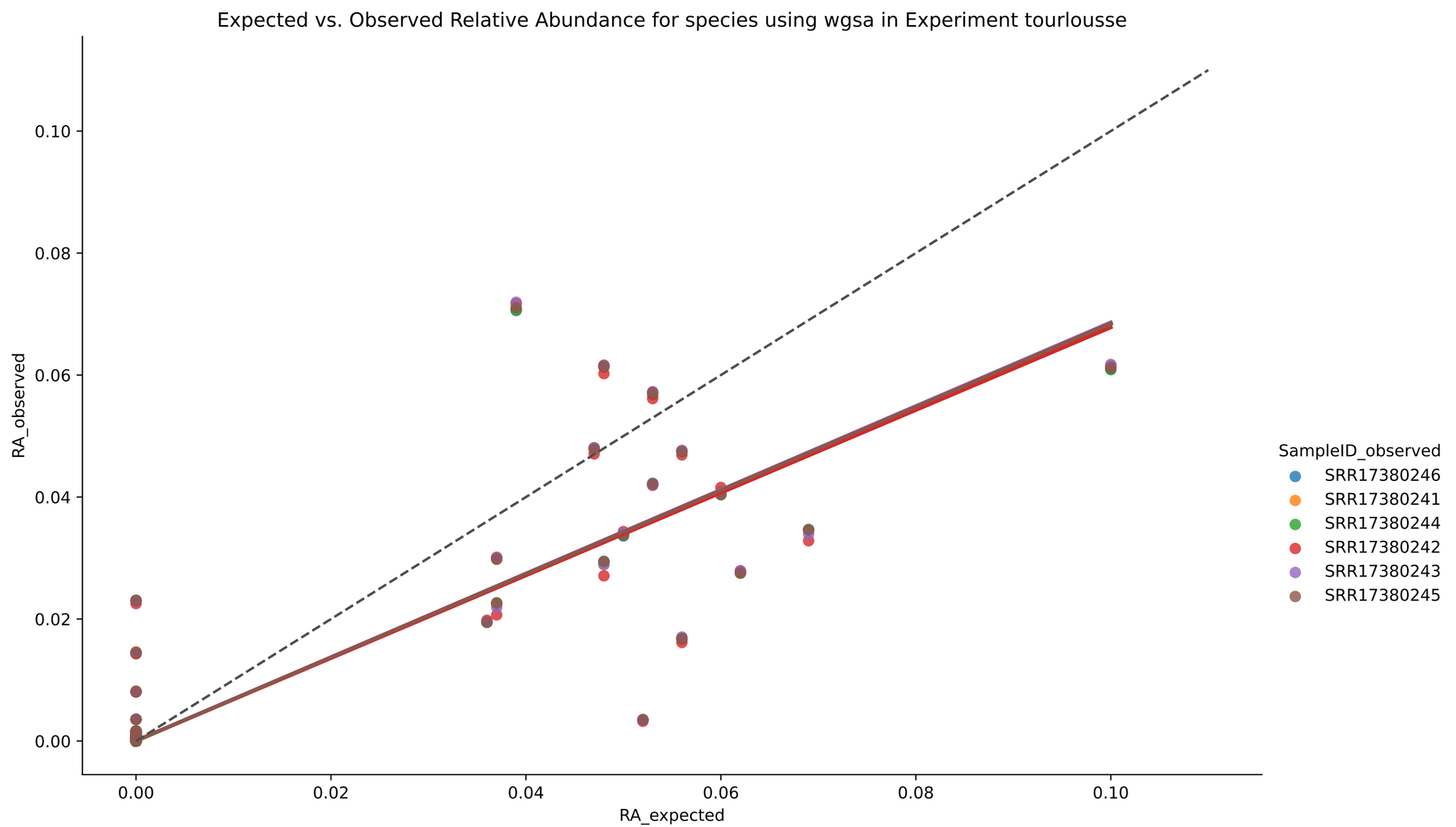
r^2 = 0.4325 for SRR17380241	MAE = 0.0065 for SRR17380241	Aitchison = 15.9087 for SRR17380241
r^2 = 0.4356 for SRR17380242	MAE = 0.0065 for SRR17380242	Aitchison = 15.9307 for SRR17380242
r^2 = 0.4320 for SRR17380243	MAE = 0.0066 for SRR17380243	Aitchison = 15.7342 for SRR17380243
r^2 = 0.4307 for SRR17380244	MAE = 0.0066 for SRR17380244	Aitchison = 15.7961 for SRR17380244
r^2 = 0.4308 for SRR17380245	MAE = 0.0066 for SRR17380245	Aitchison = 15.8261 for SRR17380245
r^2 = 0.4302 for SRR17380246	MAE = 0.0067 for SRR17380246	Aitchison = 15.7529 for SRR17380246



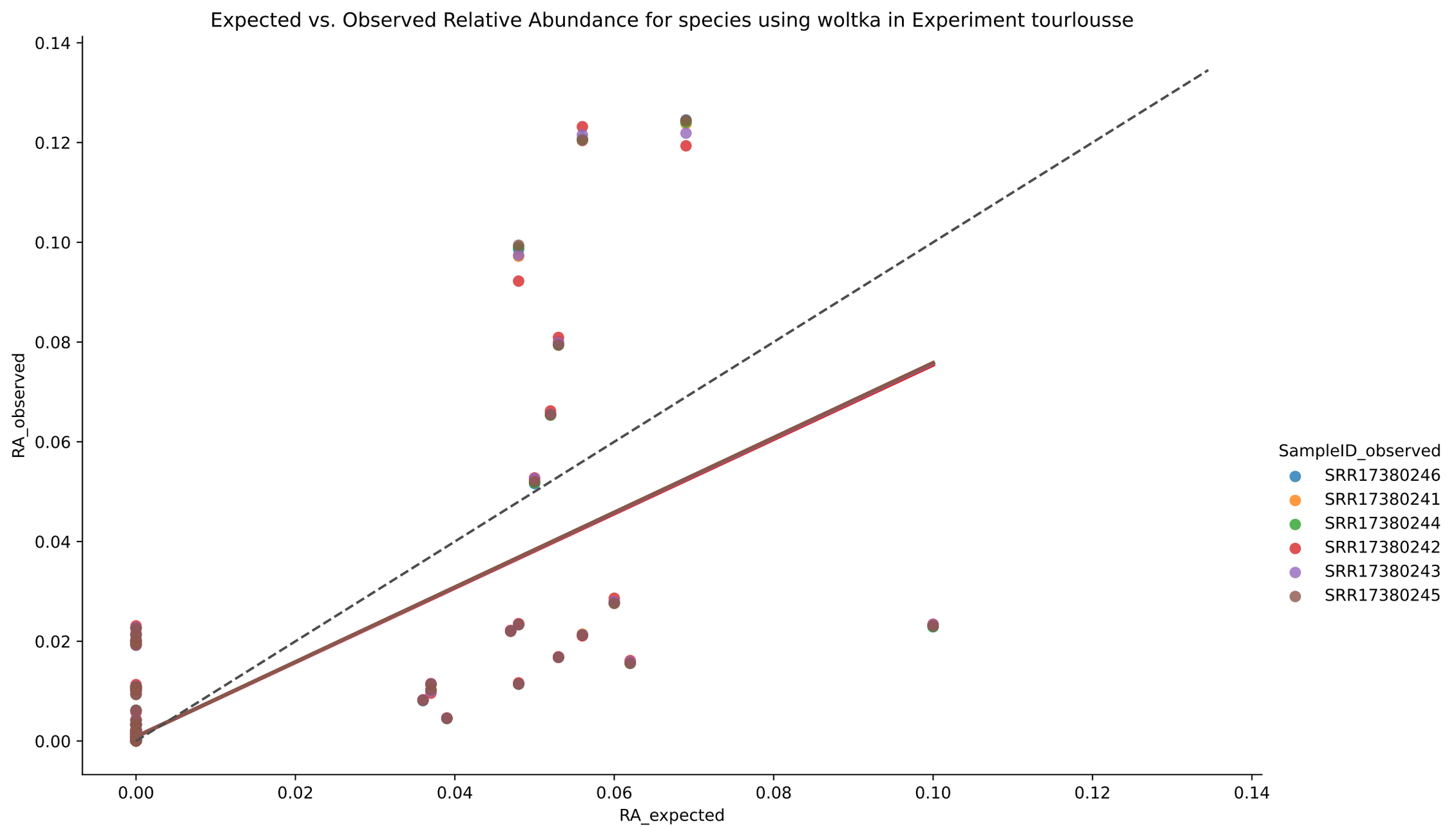
r² = 0.7167 for SRR17380241	MAE = 0.0124 for SRR17380241	Aitchison = 7.1287 for SRR17380241
r² = 0.7189 for SRR17380242	MAE = 0.0124 for SRR17380242	Aitchison = 7.7093 for SRR17380242
r² = 0.7253 for SRR17380243	MAE = 0.0122 for SRR17380243	Aitchison = 6.9231 for SRR17380243
r² = 0.7150 for SRR17380244	MAE = 0.0125 for SRR17380244	Aitchison = 8.1652 for SRR17380244
r² = 0.7210 for SRR17380245	MAE = 0.0122 for SRR17380245	Aitchison = 6.8893 for SRR17380245
r² = 0.7198 for SRR17380246	MAE = 0.0123 for SRR17380246	Aitchison = 7.0552 for SRR17380246



r^2 = 0.6802 for SRR17380241	MAE = 0.0086 for SRR17380241	Aitchison = 10.3734 for SRR17380241
r^2 = 0.6713 for SRR17380242	MAE = 0.0087 for SRR17380242	Aitchison = 11.1668 for SRR17380242
r^2 = 0.6838 for SRR17380243	MAE = 0.0085 for SRR17380243	Aitchison = 8.5646 for SRR17380243
r^2 = 0.6783 for SRR17380244	MAE = 0.0086 for SRR17380244	Aitchison = 9.8092 for SRR17380244
r^2 = 0.6851 for SRR17380245	MAE = 0.0086 for SRR17380245	Aitchison = 11.1153 for SRR17380245
r^2 = 0.6905 for SRR17380246	MAE = 0.0087 for SRR17380246	Aitchison = 9.1231 for SRR17380246



r^2 = 0.7891 for SRR17380241	MAE = 0.0001 for SRR17380241	Aitchison = 78.5296 for SRR17380241
r^2 = 0.7867 for SRR17380242	MAE = 0.0001 for SRR17380242	Aitchison = 79.1305 for SRR17380242
r^2 = 0.7881 for SRR17380243	MAE = 0.0001 for SRR17380243	Aitchison = 78.4185 for SRR17380243
r^2 = 0.7906 for SRR17380244	MAE = 0.0001 for SRR17380244	Aitchison = 81.3409 for SRR17380244
r^2 = 0.7901 for SRR17380245	MAE = 0.0001 for SRR17380245	Aitchison = 80.2928 for SRR17380245
r^2 = 0.7901 for SRR17380246	MAE = 0.0001 for SRR17380246	Aitchison = 79.3587 for SRR17380246



r^2 = 0.5101 for SRR17380241	MAE = 0.0027 for SRR17380241	Aitchison = 26.7964 for SRR17380241
r^2 = 0.5140 for SRR17380242	MAE = 0.0027 for SRR17380242	Aitchison = 26.8613 for SRR17380242
r^2 = 0.5105 for SRR17380243	MAE = 0.0028 for SRR17380243	Aitchison = 26.5409 for SRR17380243
r^2 = 0.5079 for SRR17380244	MAE = 0.0028 for SRR17380244	Aitchison = 26.5987 for SRR17380244
r^2 = 0.5077 for SRR17380245	MAE = 0.0028 for SRR17380245	Aitchison = 26.5505 for SRR17380245
r^2 = 0.5077 for SRR17380246	MAE = 0.0028 for SRR17380246	Aitchison = 26.6309 for SRR17380246

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

SampleID
expected
SRR11487931
SRR11487932
SRR11487934
SRR11487935
SRR11487933

Relative Abundance

0.1
0.01
0.001

ESCHERICHIA
BACTEROIDES
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
COLLINSELLA
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA

genus

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

SampleID
expected
SRR11487931
SRR11487932
SRR11487934
SRR11487935
SRR11487933

Relative Abundance

0.1
0.01
0.001

ESCHERICHIA
BACTEROIDES
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
COLLINSELLA
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
ANAEROBUTYRICUM

genus

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

SampleID
expected
SRR11487931
SRR11487932
SRR11487934
SRR11487935
SRR11487933

Relative Abundance

0.1
0.01
0.001

Citrobacter
Enterobacter
ESCHERICHIA
Klebsiella
BACTEROIDES
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
Enterococcus
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
COLLINSELLA
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
Anaerobutyricum

genus

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

SampleID
expected
SRR11487931
SRR11487932
SRR11487934
SRR11487935
SRR11487933

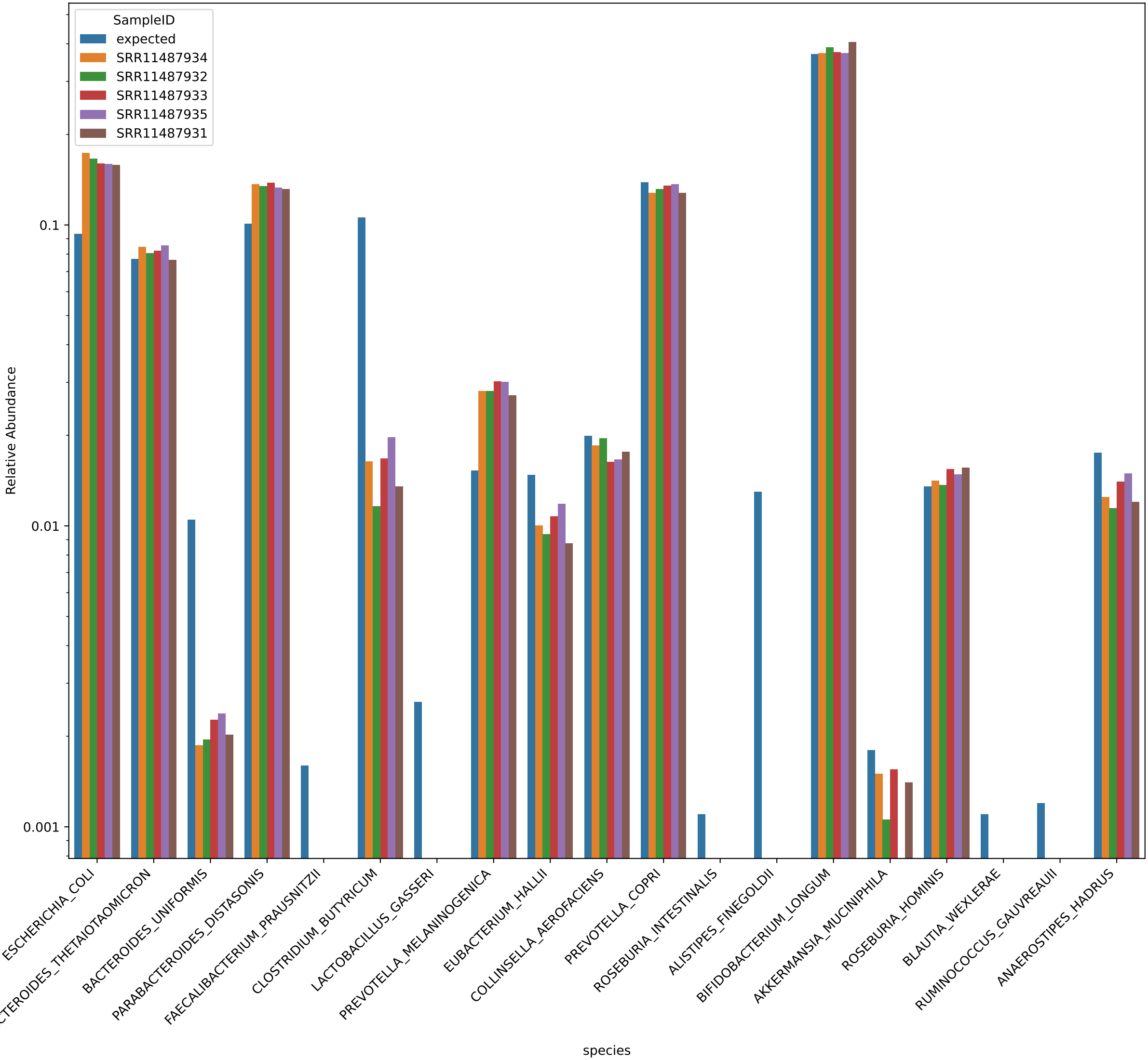
Relative Abundance

0.1
0.01
0.001

Citrobacter
ESCHERICHIA
Klebsiella
Kluyvera
Shigella
BACTEROIDES
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
Obesumbacterium
COLLINSELLA
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA

genus

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



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

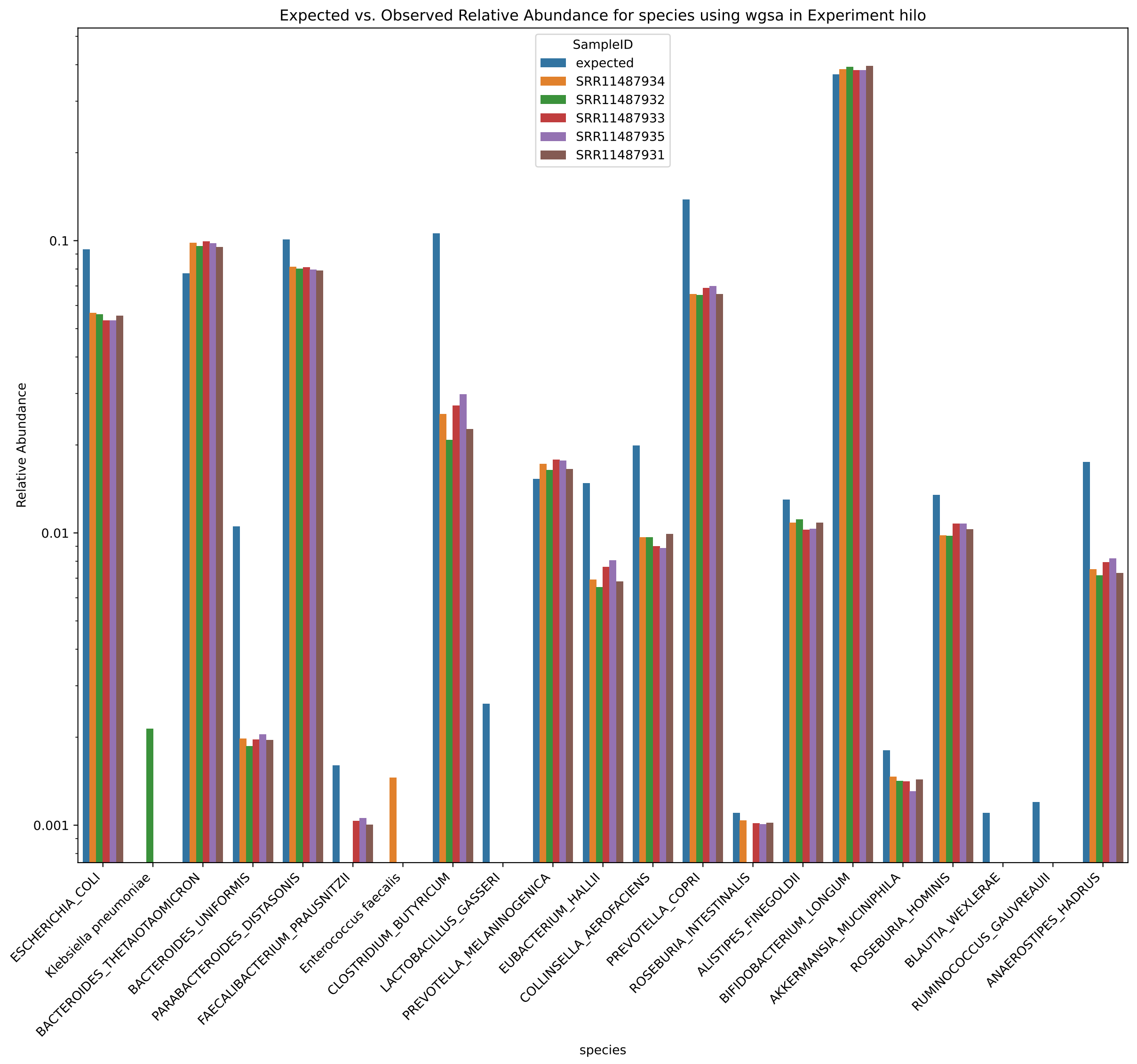
SampleID
expected
SRR11487934
SRR11487932
SRR11487933
SRR11487935
SRR11487931

Relative Abundance
0.1
0.01
0.001

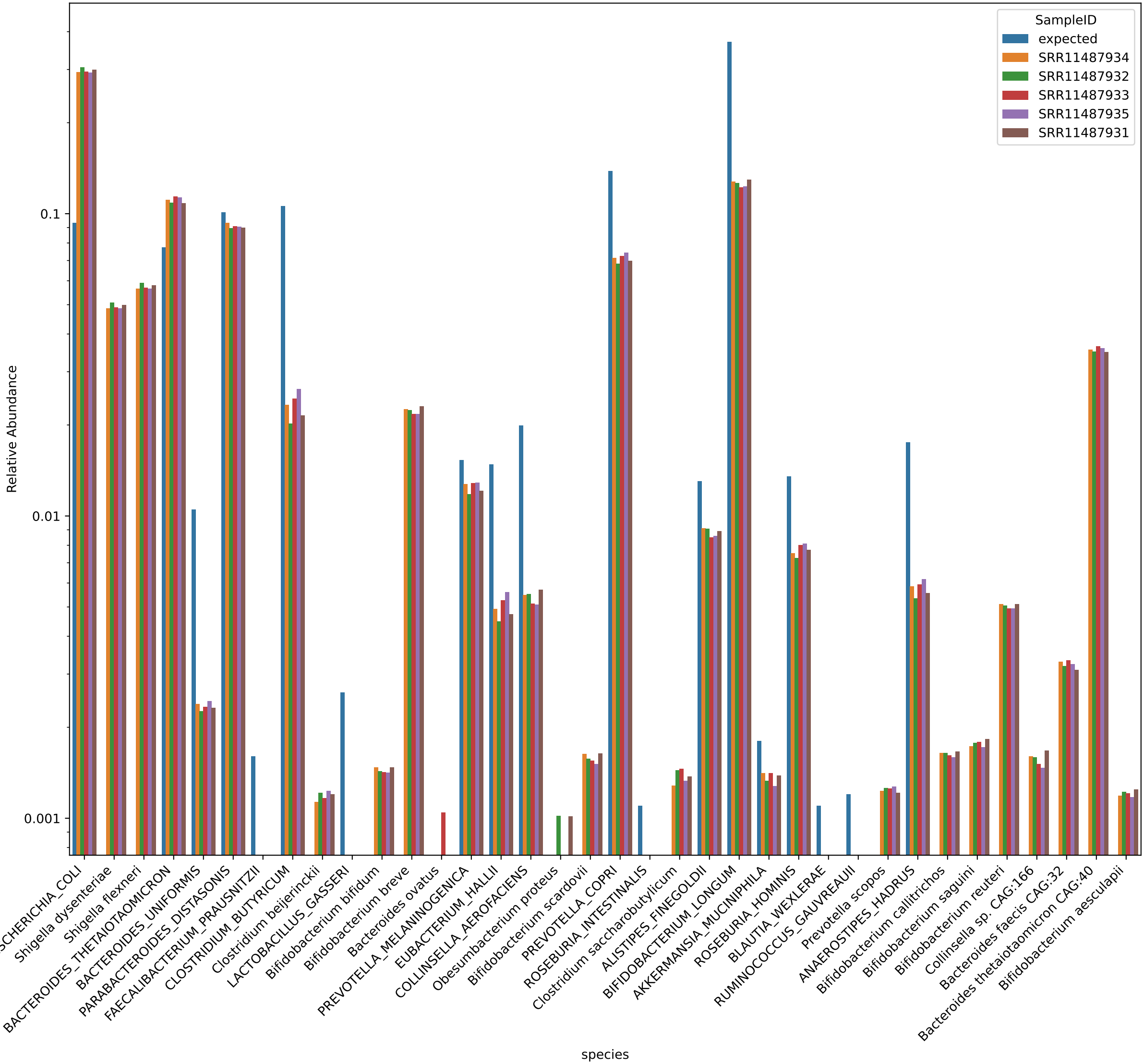
ESCHERICHIA_COLI
BACTEROIDES_THETAIOTAOMICRON
BACTEROIDES_UNIFORMIS
PARABACTEROIDES_DISTASONIS
FAECALIBACTERIUM_PRAUSNITZII
CLOSTRIDIUM_BUTYRICUM
LACTOBACILLUS_GASSERI
PREVOTELLA_MELANINOGENICA
EUBACTERIUM_HALLII
COLLINSELLA_AEROFACIENS
PREVOTELLA_COPRI
ROSEBURIA_INTESTINALIS
ALISTIPES_FINEGOLDII
BIFIDOBACTERIUM_LONGUM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

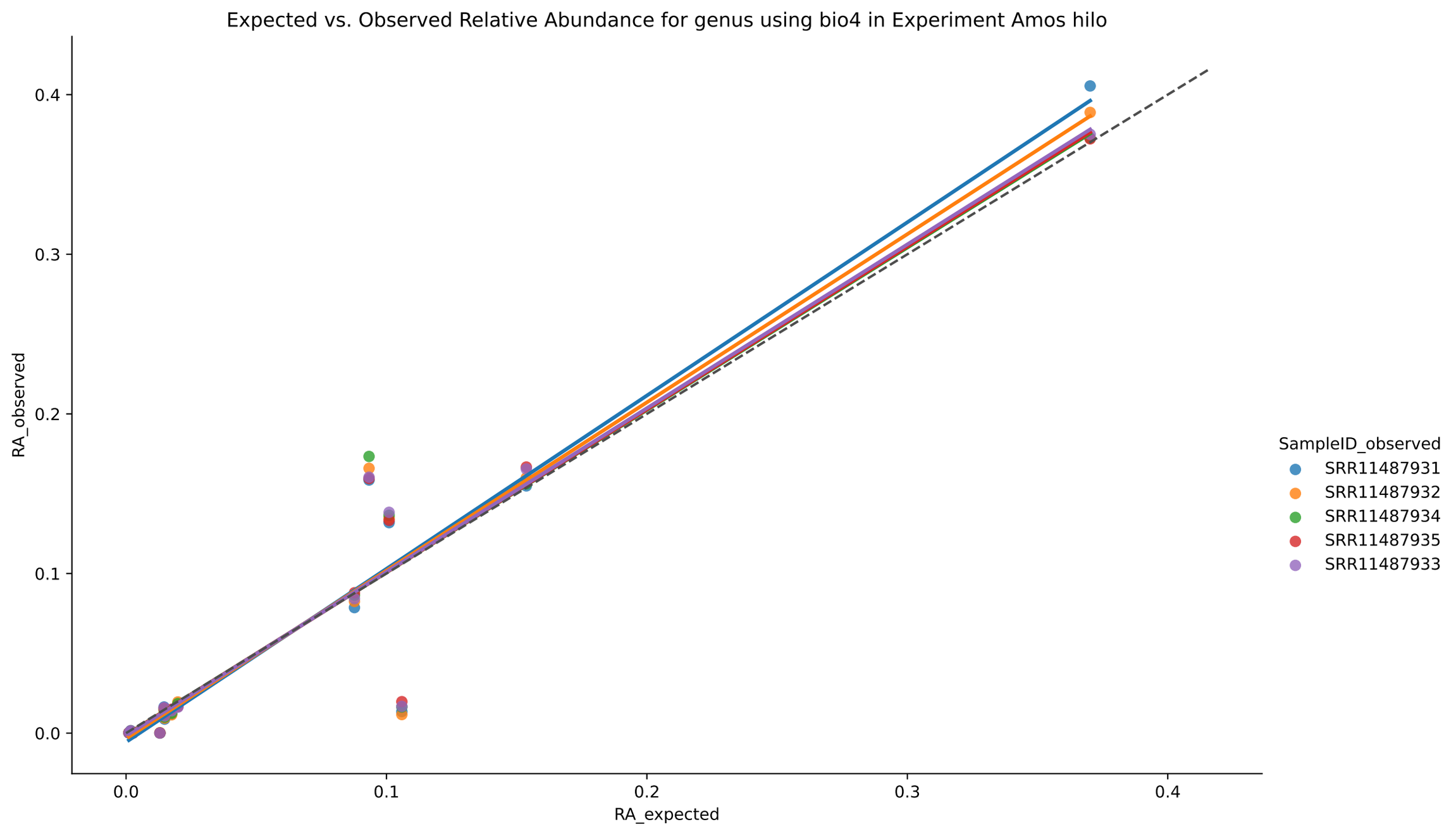
species

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

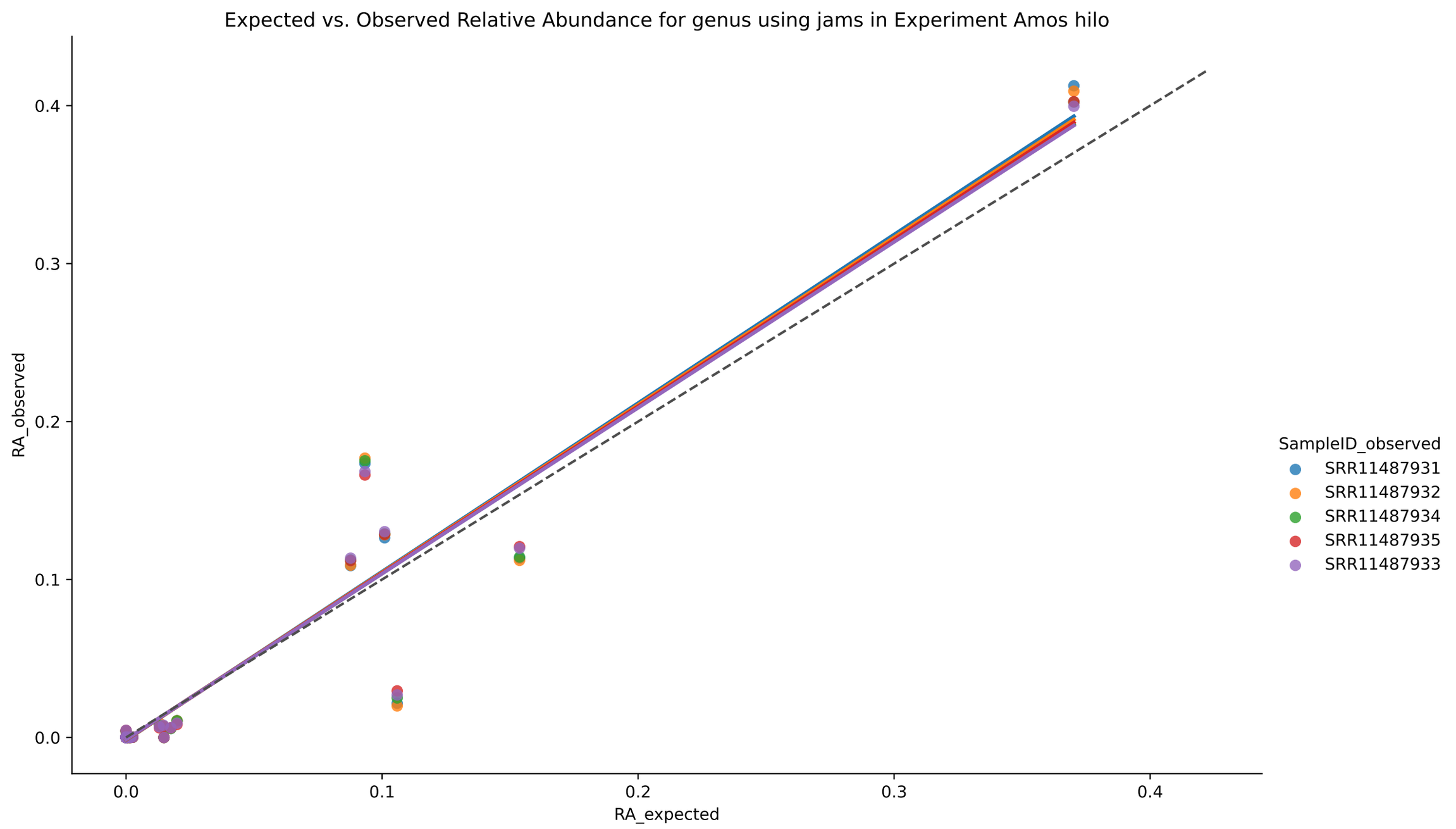


Expected vs. Observed Relative Abundance for species using wol in Experiment hilo

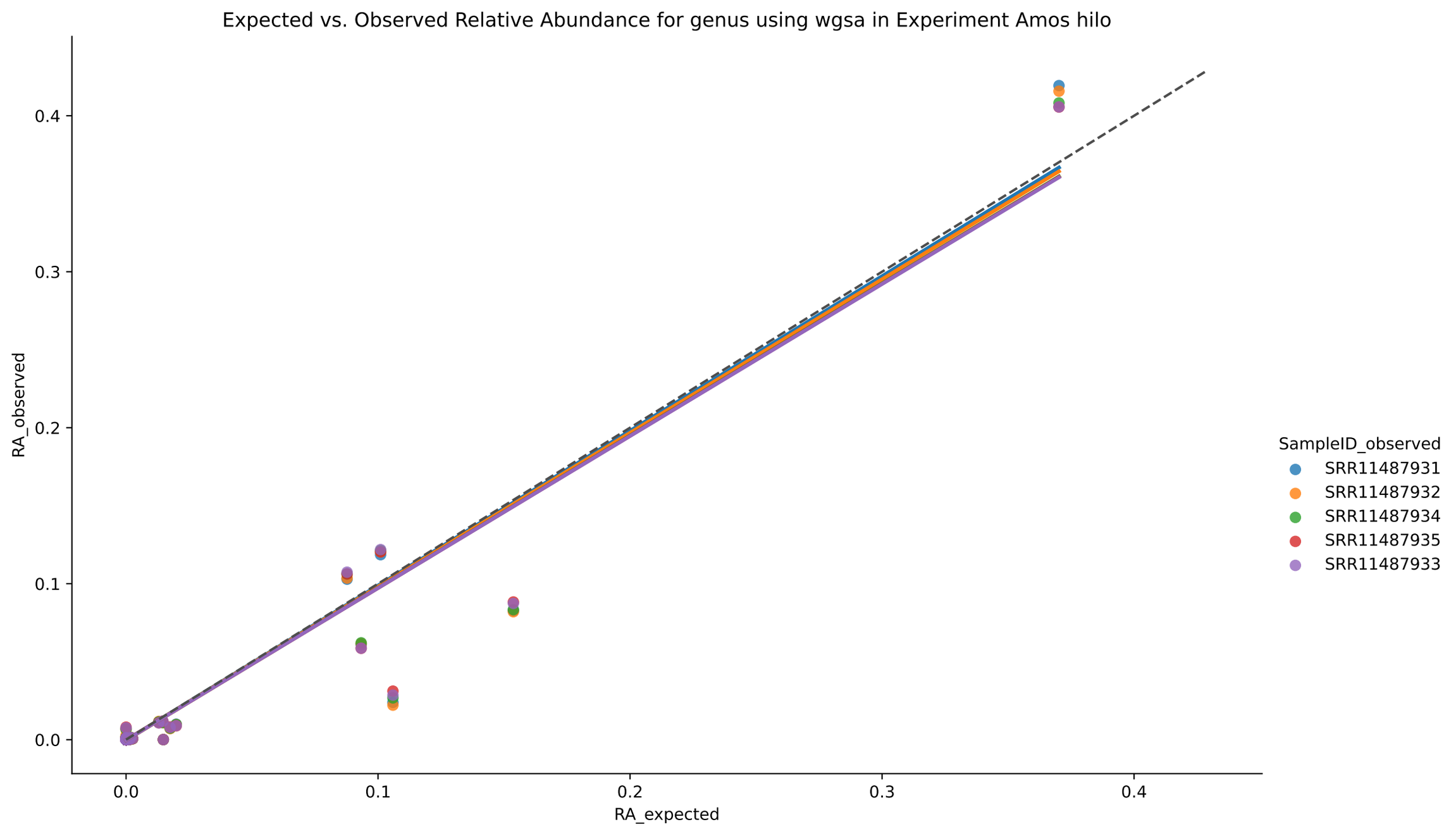




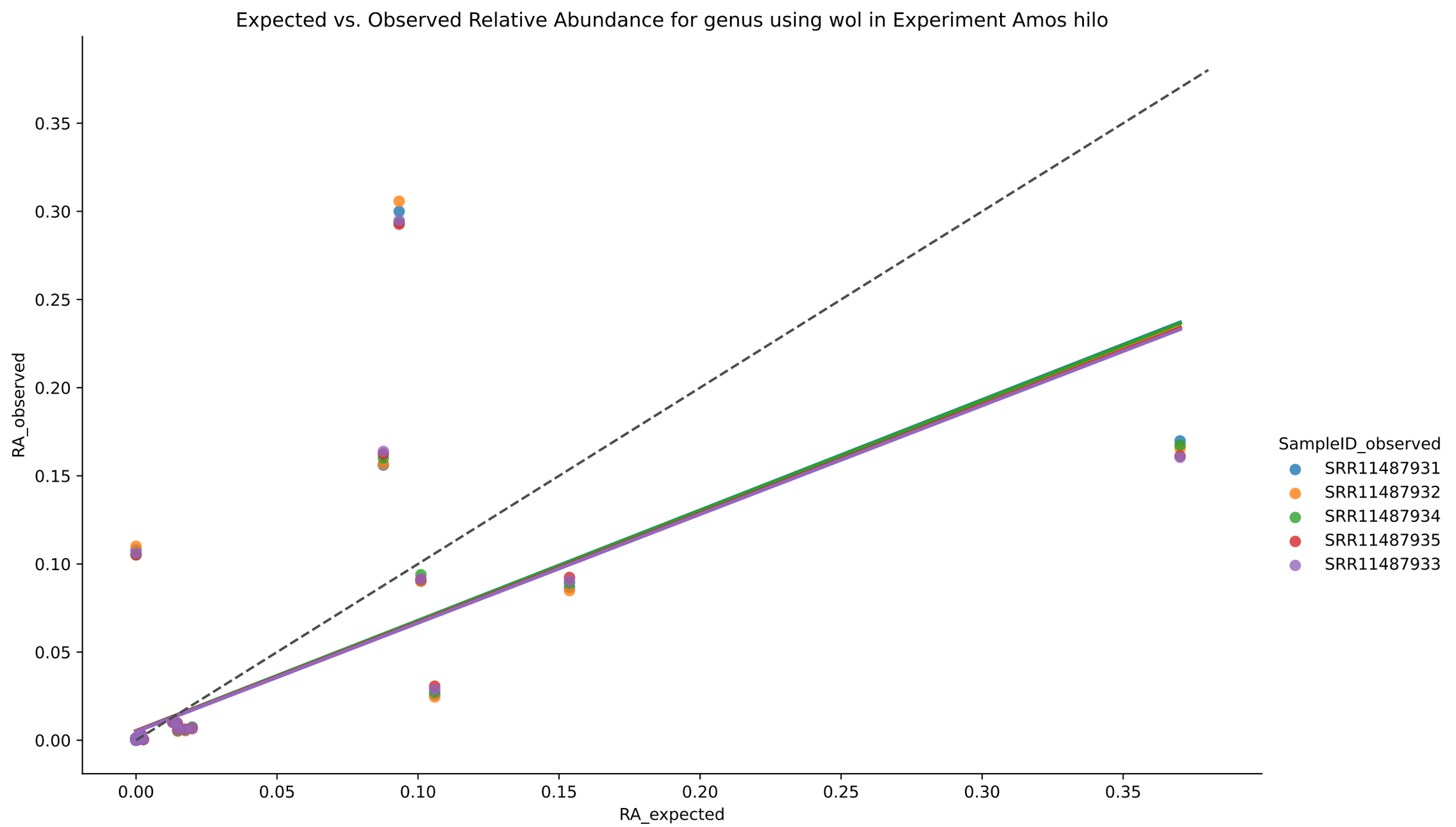
r^2 = 0.9163 for SRR11487931	MAE = 0.0178 for SRR11487931	Aitchison = 5.6916 for SRR11487931
r^2 = 0.9048 for SRR11487932	MAE = 0.0174 for SRR11487932	Aitchison = 4.7016 for SRR11487932
r^2 = 0.9085 for SRR11487933	MAE = 0.0162 for SRR11487933	Aitchison = 6.1844 for SRR11487933
r^2 = 0.8969 for SRR11487934	MAE = 0.0160 for SRR11487934	Aitchison = 5.6939 for SRR11487934
r^2 = 0.9133 for SRR11487935	MAE = 0.0152 for SRR11487935	Aitchison = 5.0114 for SRR11487935



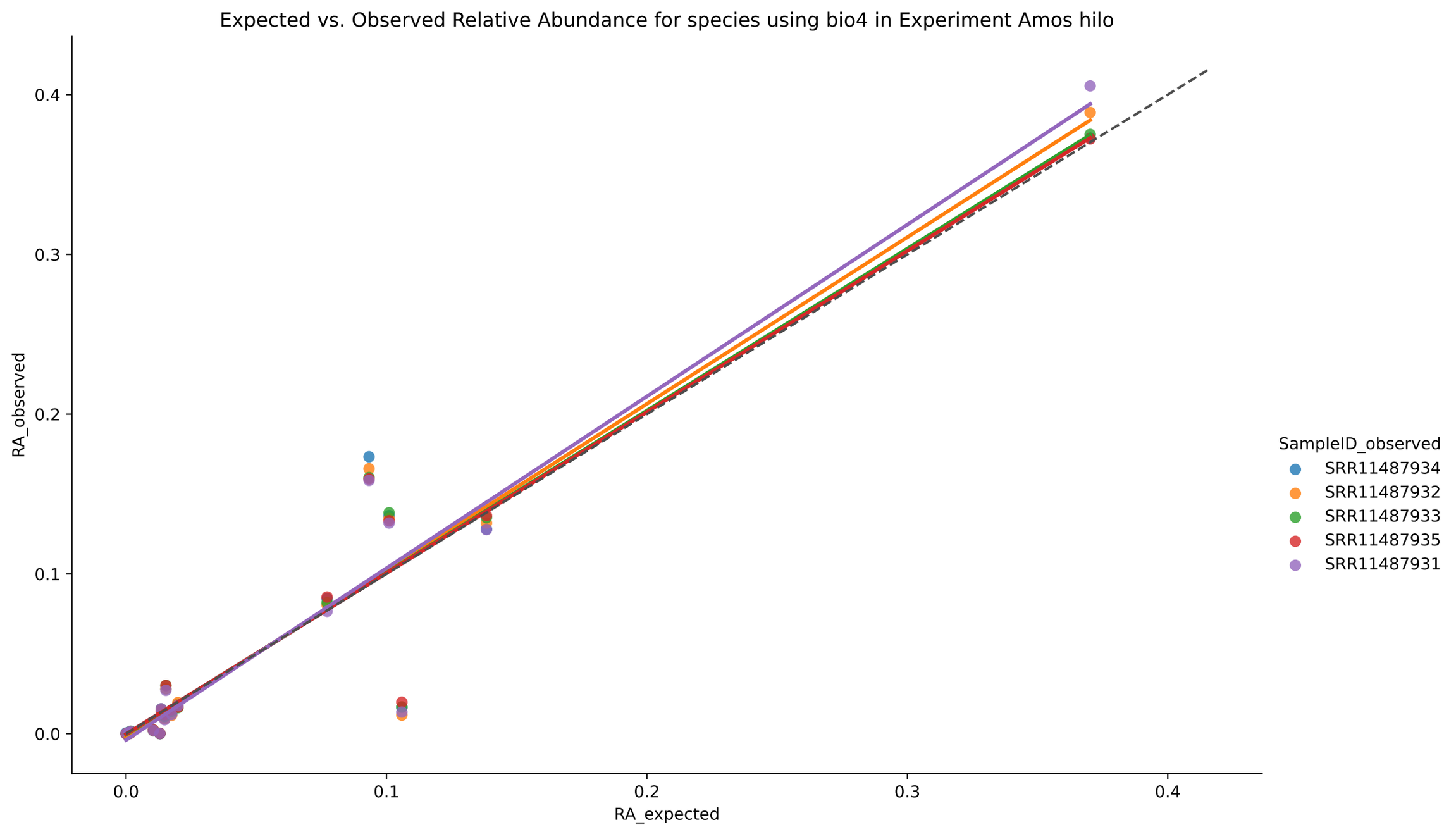
r^2 = 0.9187 for SRR11487931	MAE = 0.0083 for SRR11487931	Aitchison = 11.4840 for SRR11487931
r^2 = 0.9140 for SRR11487932	MAE = 0.0083 for SRR11487932	Aitchison = 14.9625 for SRR11487932
r^2 = 0.9261 for SRR11487933	MAE = 0.0078 for SRR11487933	Aitchison = 12.0826 for SRR11487933
r^2 = 0.9187 for SRR11487934	MAE = 0.0081 for SRR11487934	Aitchison = 12.9947 for SRR11487934
r^2 = 0.9305 for SRR11487935	MAE = 0.0077 for SRR11487935	Aitchison = 14.0425 for SRR11487935



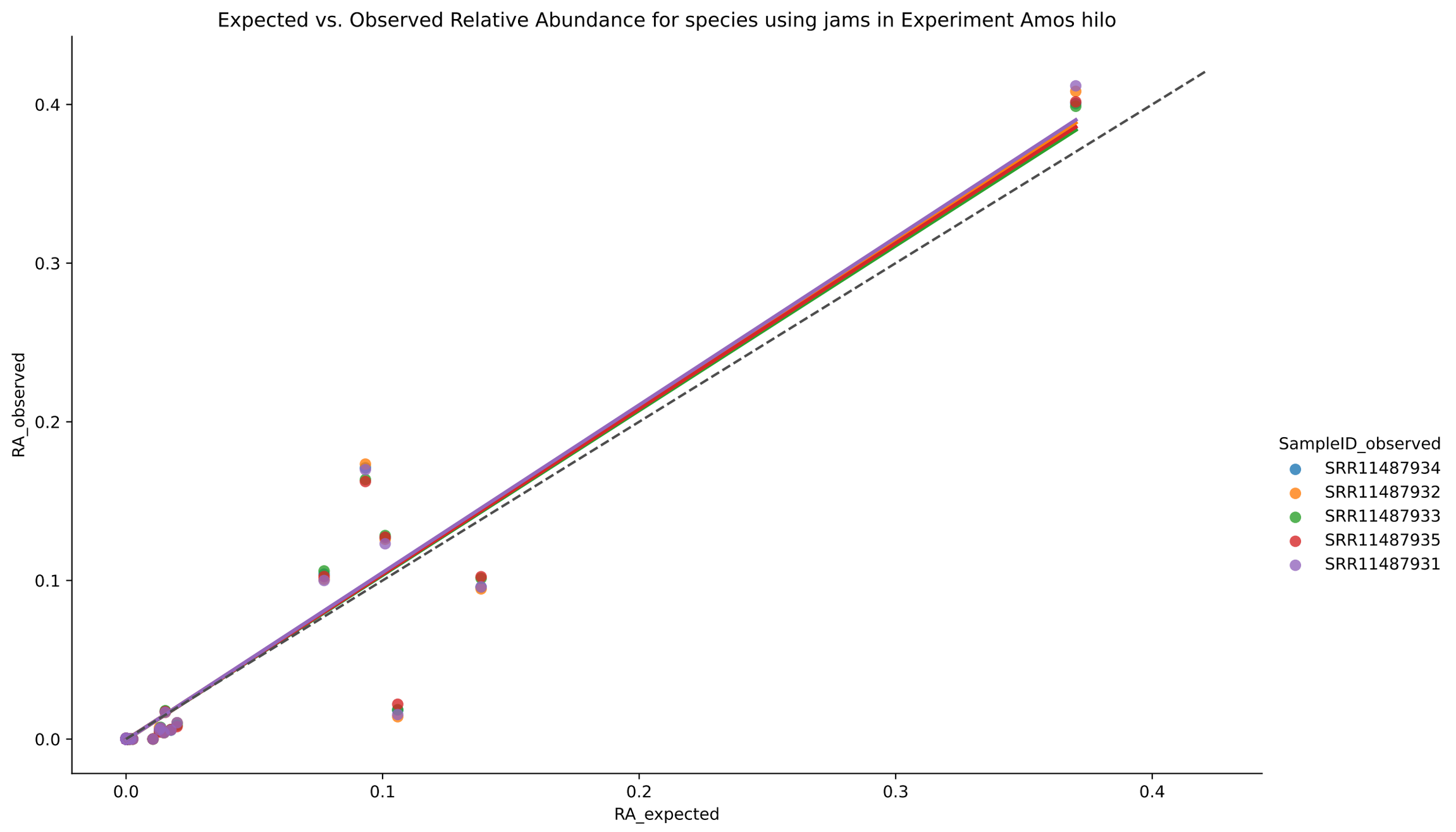
r^2 = 0.9230 for SRR11487931	MAE = 0.0008 for SRR11487931	Aitchison = 34.1228 for SRR11487931
r^2 = 0.9217 for SRR11487932	MAE = 0.0007 for SRR11487932	Aitchison = 34.9168 for SRR11487932
r^2 = 0.9305 for SRR11487933	MAE = 0.0007 for SRR11487933	Aitchison = 33.9763 for SRR11487933
r^2 = 0.9274 for SRR11487934	MAE = 0.0008 for SRR11487934	Aitchison = 33.8389 for SRR11487934
r^2 = 0.9334 for SRR11487935	MAE = 0.0008 for SRR11487935	Aitchison = 32.8358 for SRR11487935



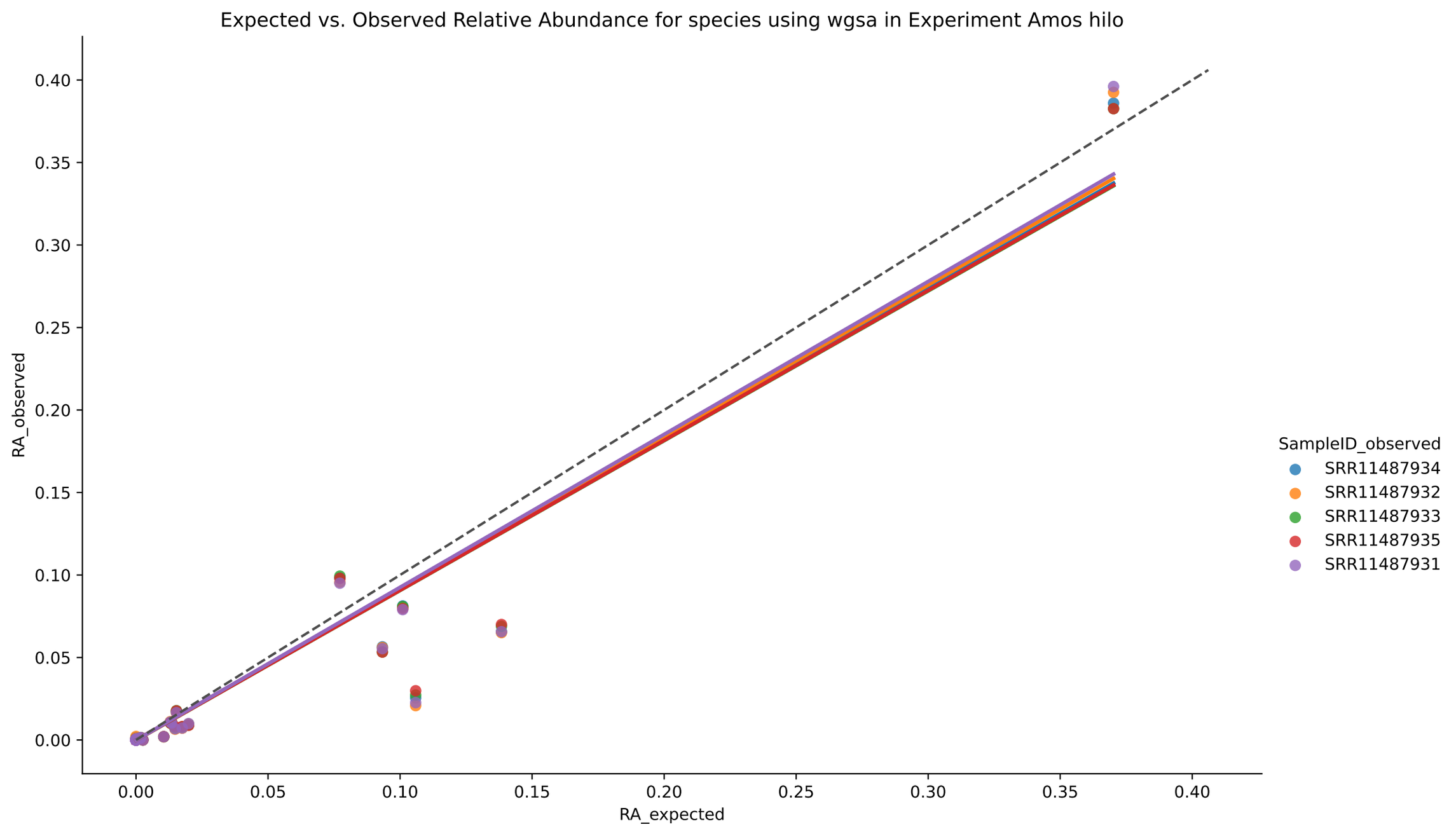
r² = 0.4624 for SRR11487931	MAE = 0.0113 for SRR11487931	Aitchison = 9.8349 for SRR11487931
r² = 0.4455 for SRR11487932	MAE = 0.0112 for SRR11487932	Aitchison = 10.0403 for SRR11487932
r² = 0.4566 for SRR11487933	MAE = 0.0103 for SRR11487933	Aitchison = 10.4010 for SRR11487933
r² = 0.4682 for SRR11487934	MAE = 0.0112 for SRR11487934	Aitchison = 9.8124 for SRR11487934
r² = 0.4619 for SRR11487935	MAE = 0.0108 for SRR11487935	Aitchison = 9.9938 for SRR11487935



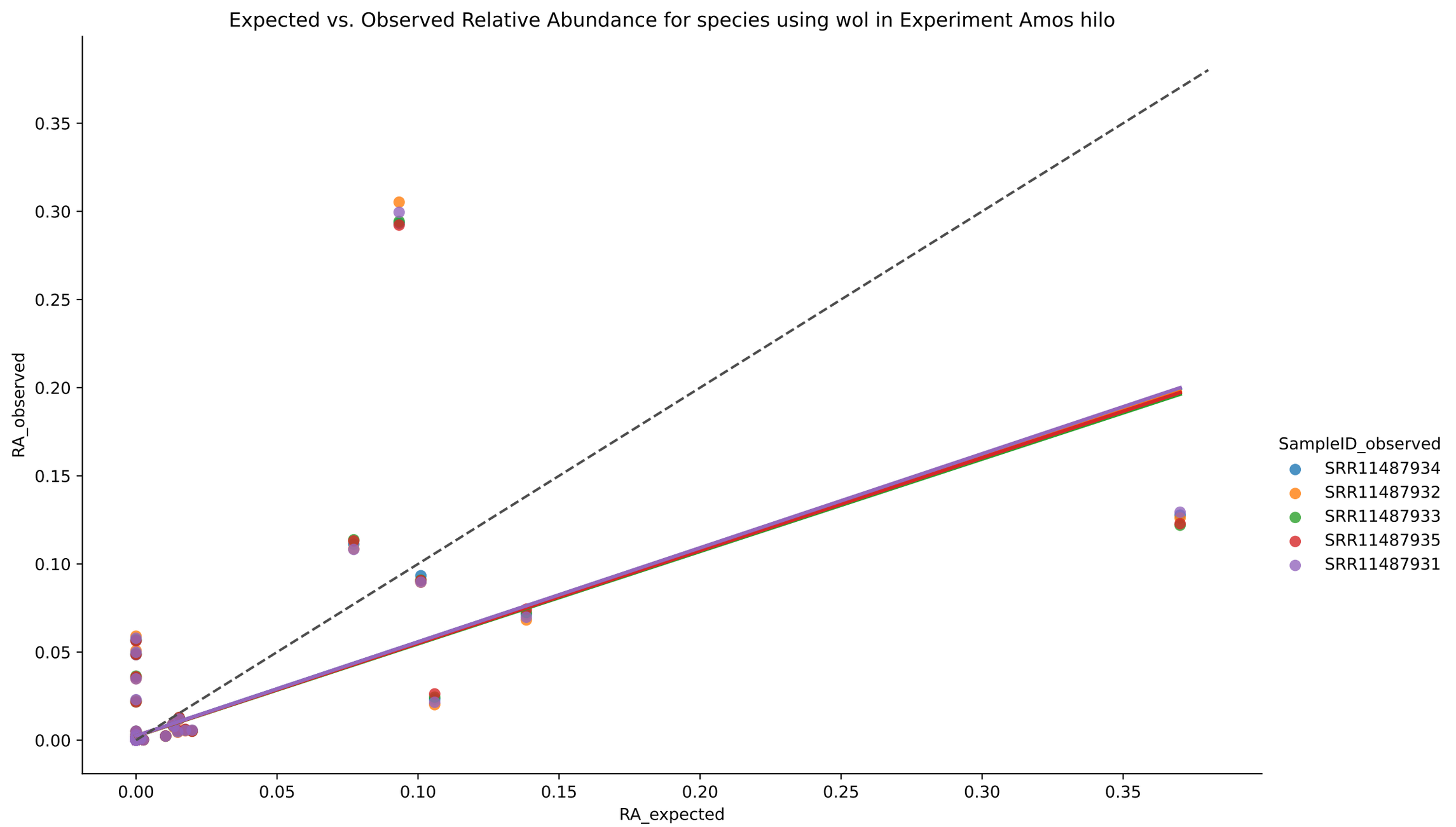
r² = 0.9157 for SRR11487931	MAE = 0.0159 for SRR11487931	Aitchison = 6.0264 for SRR11487931
r² = 0.9047 for SRR11487932	MAE = 0.0155 for SRR11487932	Aitchison = 4.8830 for SRR11487932
r² = 0.9085 for SRR11487933	MAE = 0.0143 for SRR11487933	Aitchison = 6.3144 for SRR11487933
r² = 0.8966 for SRR11487934	MAE = 0.0153 for SRR11487934	Aitchison = 5.9876 for SRR11487934
r² = 0.9132 for SRR11487935	MAE = 0.0137 for SRR11487935	Aitchison = 5.1628 for SRR11487935



r^2 = 0.9184 for SRR11487931	MAE = 0.0024 for SRR11487931	Aitchison = 16.6244 for SRR11487931
r^2 = 0.9141 for SRR11487932	MAE = 0.0024 for SRR11487932	Aitchison = 16.3303 for SRR11487932
r^2 = 0.9238 for SRR11487933	MAE = 0.0023 for SRR11487933	Aitchison = 15.8832 for SRR11487933
r^2 = 0.9176 for SRR11487934	MAE = 0.0024 for SRR11487934	Aitchison = 16.6401 for SRR11487934
r^2 = 0.9285 for SRR11487935	MAE = 0.0023 for SRR11487935	Aitchison = 17.1149 for SRR11487935

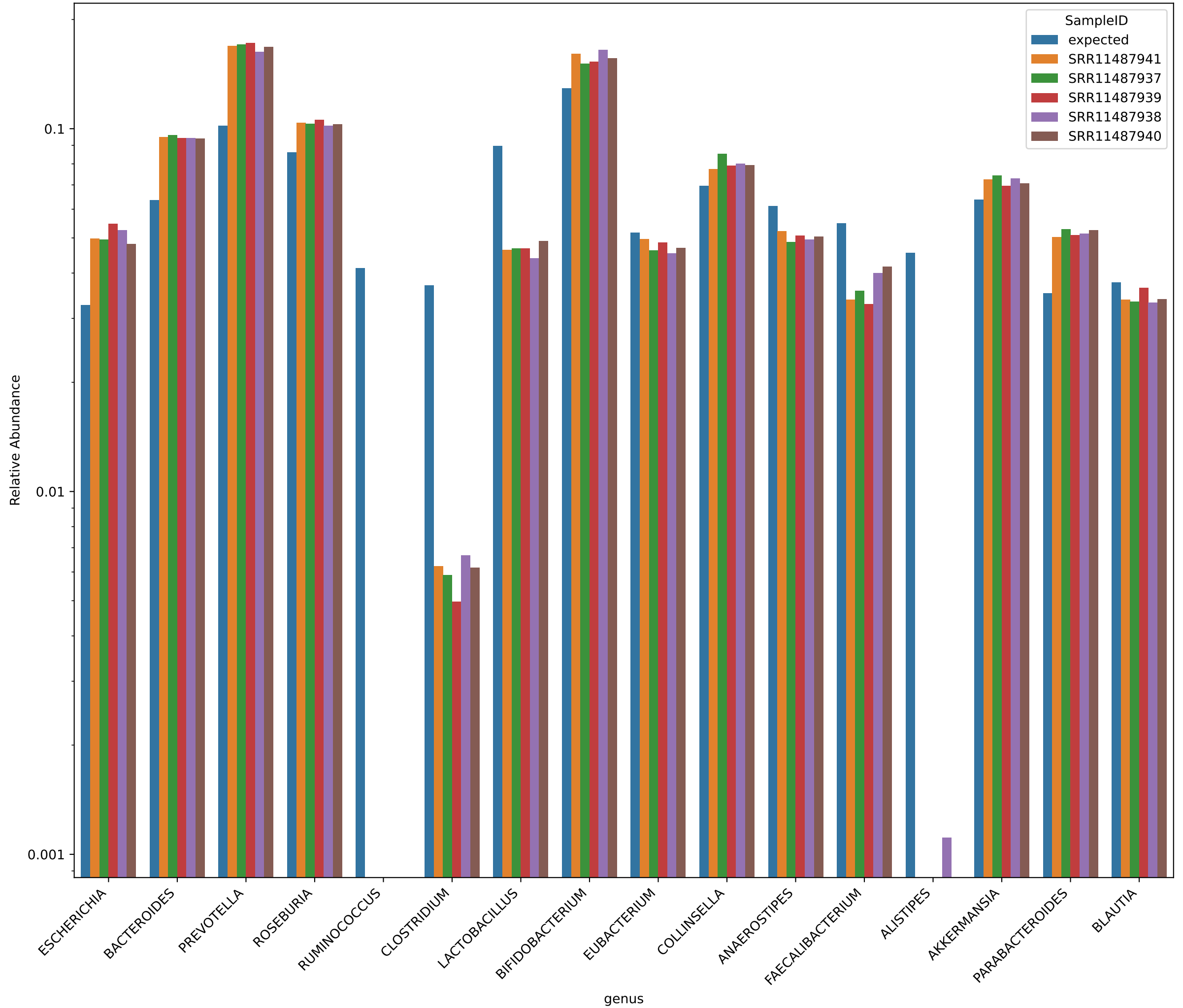


r^2 = 0.9199 for SRR11487931	MAE = 0.0003 for SRR11487931	Aitchison = 48.0327 for SRR11487931
r^2 = 0.9190 for SRR11487932	MAE = 0.0003 for SRR11487932	Aitchison = 49.0151 for SRR11487932
r^2 = 0.9279 for SRR11487933	MAE = 0.0003 for SRR11487933	Aitchison = 47.0402 for SRR11487933
r^2 = 0.9248 for SRR11487934	MAE = 0.0003 for SRR11487934	Aitchison = 46.7953 for SRR11487934
r^2 = 0.9309 for SRR11487935	MAE = 0.0003 for SRR11487935	Aitchison = 45.3153 for SRR11487935

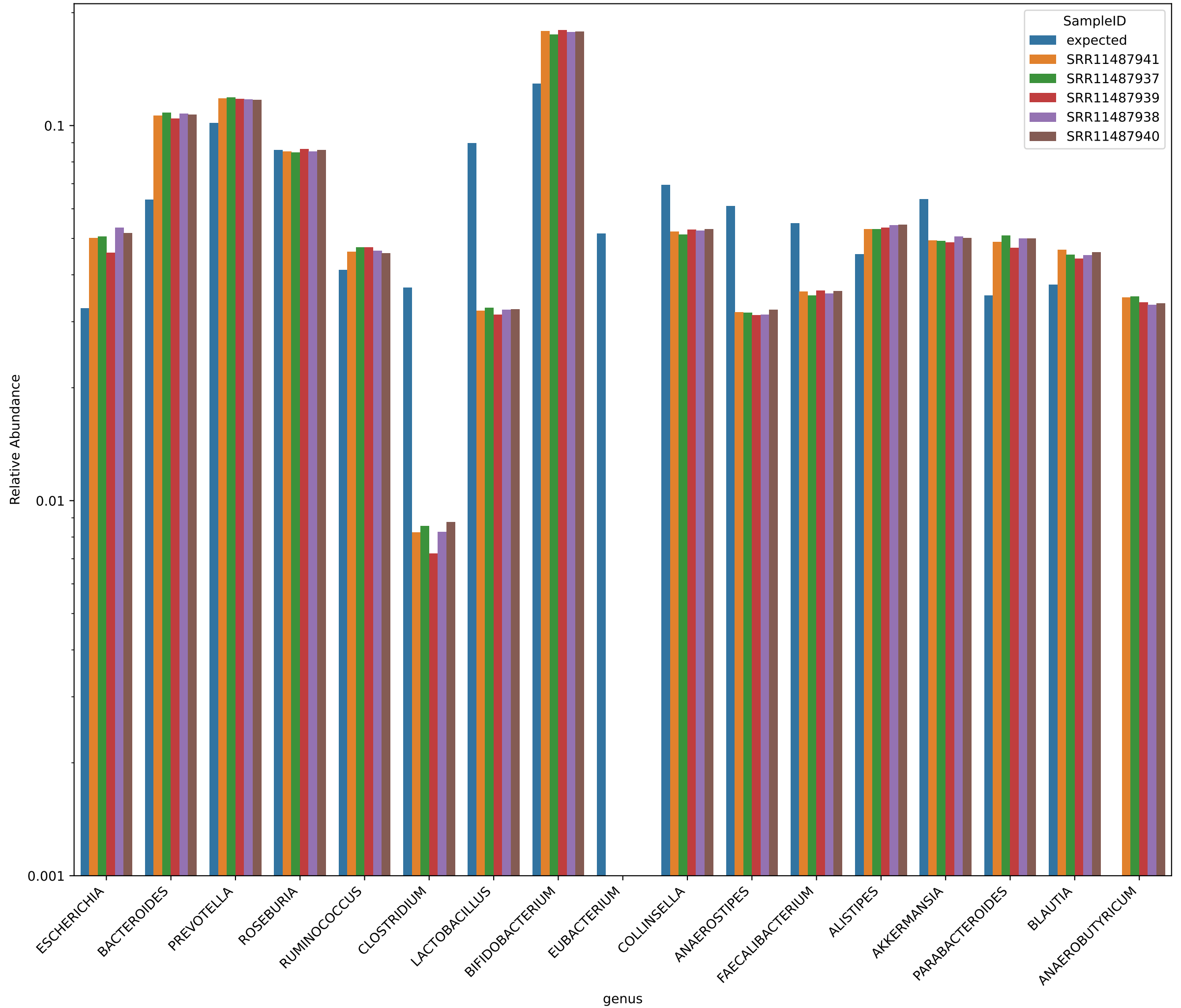


r² = 0.3997 for SRR11487931	MAE = 0.0049 for SRR11487931	Aitchison = 20.4219 for SRR11487931
r² = 0.3846 for SRR11487932	MAE = 0.0048 for SRR11487932	Aitchison = 20.9145 for SRR11487932
r² = 0.3945 for SRR11487933	MAE = 0.0045 for SRR11487933	Aitchison = 21.1406 for SRR11487933
r² = 0.4066 for SRR11487934	MAE = 0.0048 for SRR11487934	Aitchison = 20.3736 for SRR11487934
r² = 0.4010 for SRR11487935	MAE = 0.0046 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

SampleID
expected
SRR11487941
SRR11487937
SRR11487939
SRR11487938
SRR11487940

Relative Abundance
0.1
0.01
0.001

ESCHERICHIA
Vibrio
BACTEROIDES
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
Staphylococcus
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
Coprococcus
COLLINSELLA
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
Faecalicatena
Mediterraneibacter
Anaerobutyricum
Limosilactobacillus

genus

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

SampleID
expected
SRR11487941
SRR11487937
SRR11487939
SRR11487938
SRR11487940

Relative Abundance
0.1
0.01
0.001

ESCHERICHIA
Shigella
BACTEROIDES
Butyrivibrio
PREVOTELLA
ROSEBURIA
RUMINOCOCCUS
CLOSTRIDIUM
LACTOBACILLUS
BIFIDOBACTERIUM
EUBACTERIUM
Coprococcus
COLLINSELLA
Dorea
ANAEROSTIPES
FAECALIBACTERIUM
ALISTIPES
AKKERMANSIA
PARABACTEROIDES
BLAUTIA
Fusicatenibacter
Lachnoclostridium
Tyzzerella

genus

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

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
LACTOBACILLUS_JOHNSONII
EUBACTERIUM_HALLII
COLLINSELLA_AEROFACIENS
PREVOTELLA_COPRI
ROSEBURIA_INTESTINALIS
ALISTIPES_FINEGOLDII
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
ROSEBURIA_HOMINIS
BLAUTIA_WEXLERAE
RUMINOCOCCUS_GAUVREAUII
LACTOBACILLUS_TAIWANENSIS
ANAEROSTIPES_HADRUS
LACTOBACILLUS_PARAGASSERI

species

Expected vs. Observed Relative Abundance for species using wgsa 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
Staphylococcus aureus
CLOSTRIDIUM_BUTYRICUM
LACTOBACILLUS_GASSERI
Limosilactobacillus fermentum
Lactobacillus phage phiadh
PREVOTELLA_MELANINOGENICA
EUBACTERIUM_HALLII
Blautia obeum
COLLINSELLA_AEROFACIENS
PREVOTELLA_COPRI
ROSEBURIA_INTESTINALIS
ALISTIPES_FINEGOLDII
BIFIDOBACTERIUM_LONGUM
AKKERMANSIA_MUCINIPHILA
ROSEBURIA_HOMINIS
BLAUTIA_WEXLERAE
RUMINOCOCCUS_GAUVREAUII
ANAEROSTIPES_HADRUS
Blautia sp. YL58
Lactobacillus paragasseri
Blautia sp. SC05B48
Vibrio sp. Scap24
Faecalicatena sp. Marseille-Q4148

species

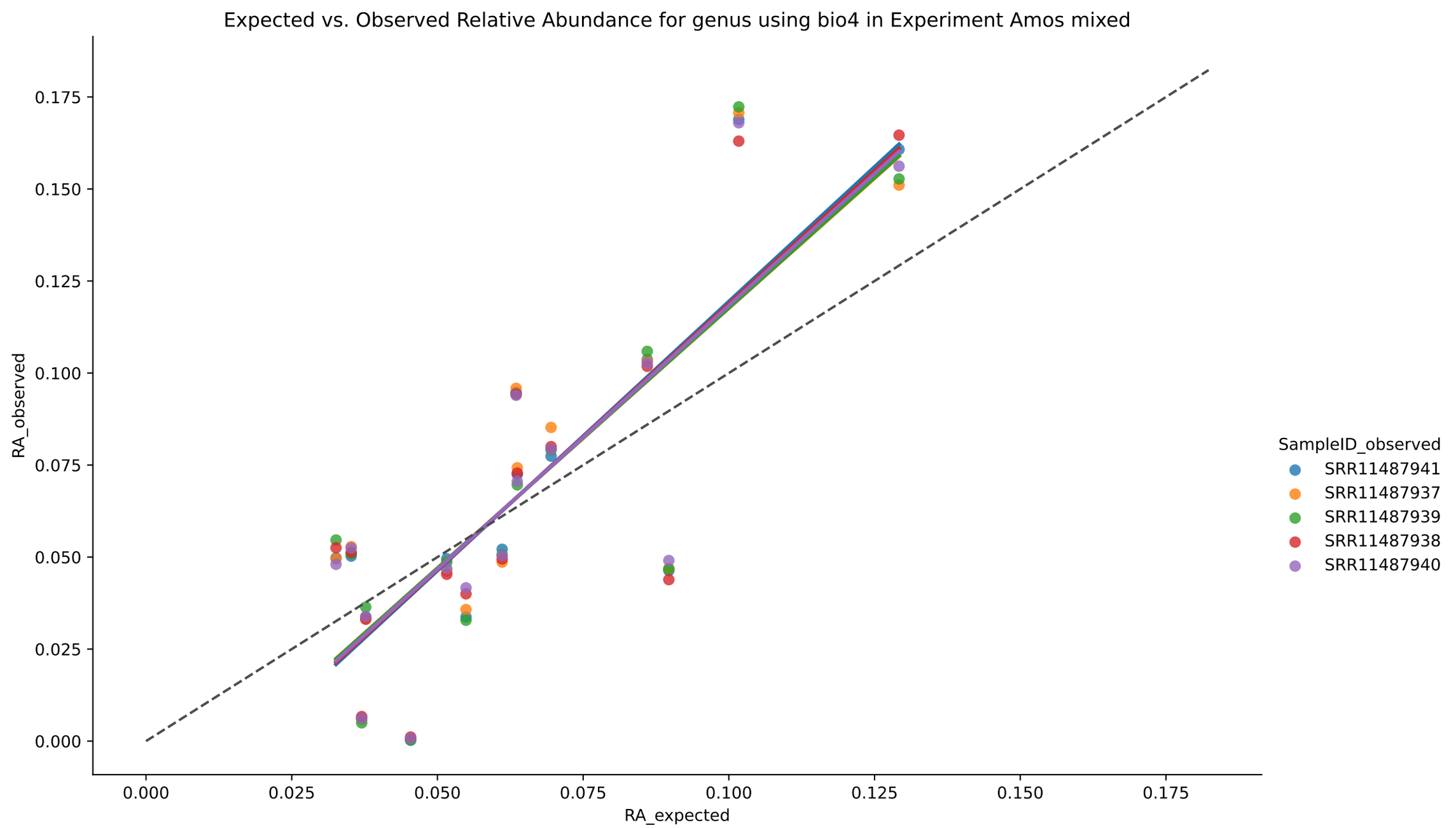
Expected vs. Observed Relative Abundance for species using wol in Experiment mixed

SampleID
expected
SRR11487938
SRR11487940
SRR11487939
SRR11487941
SRR11487937

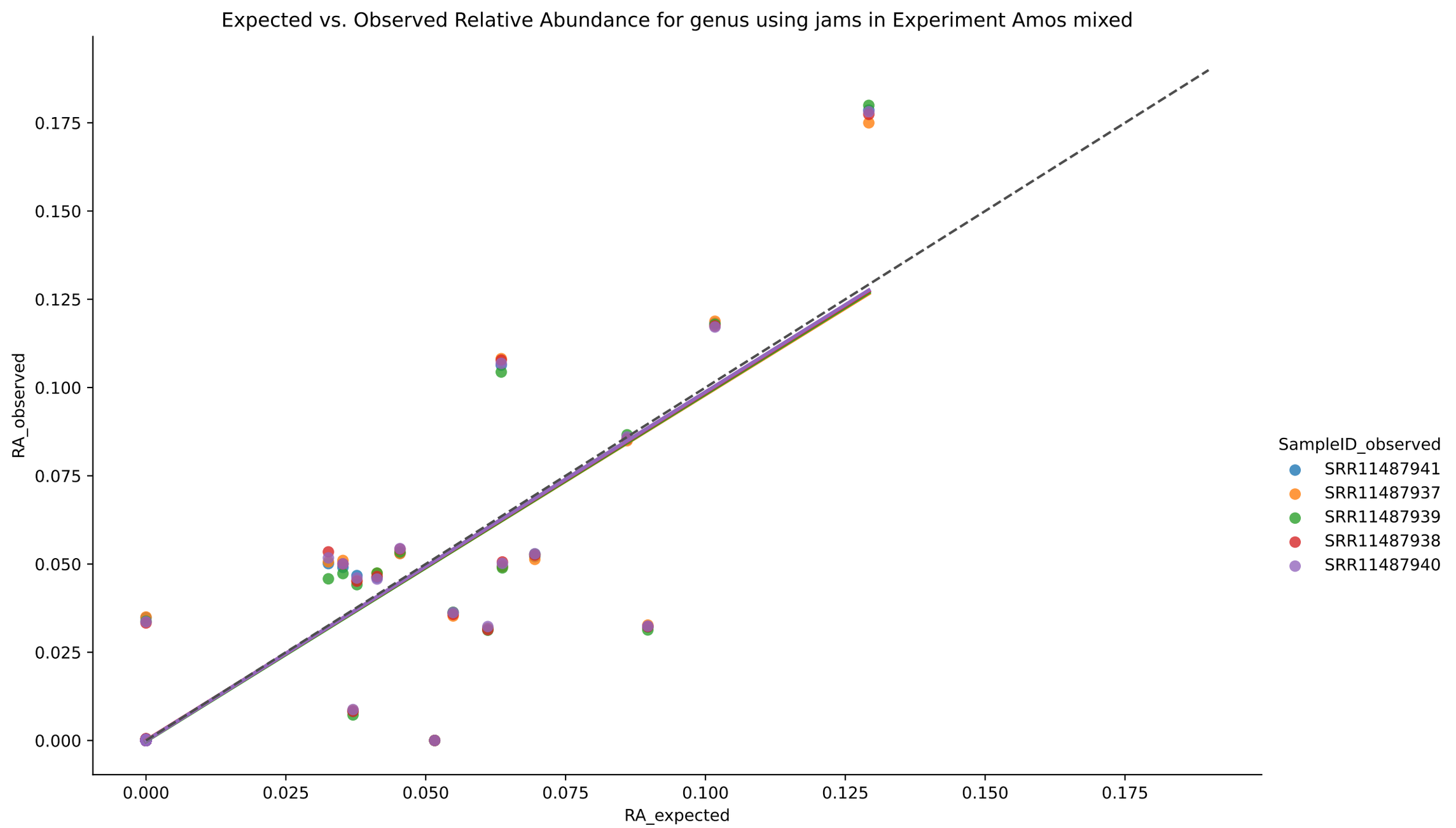
Relative Abundance
0.1
0.01
0.001

species

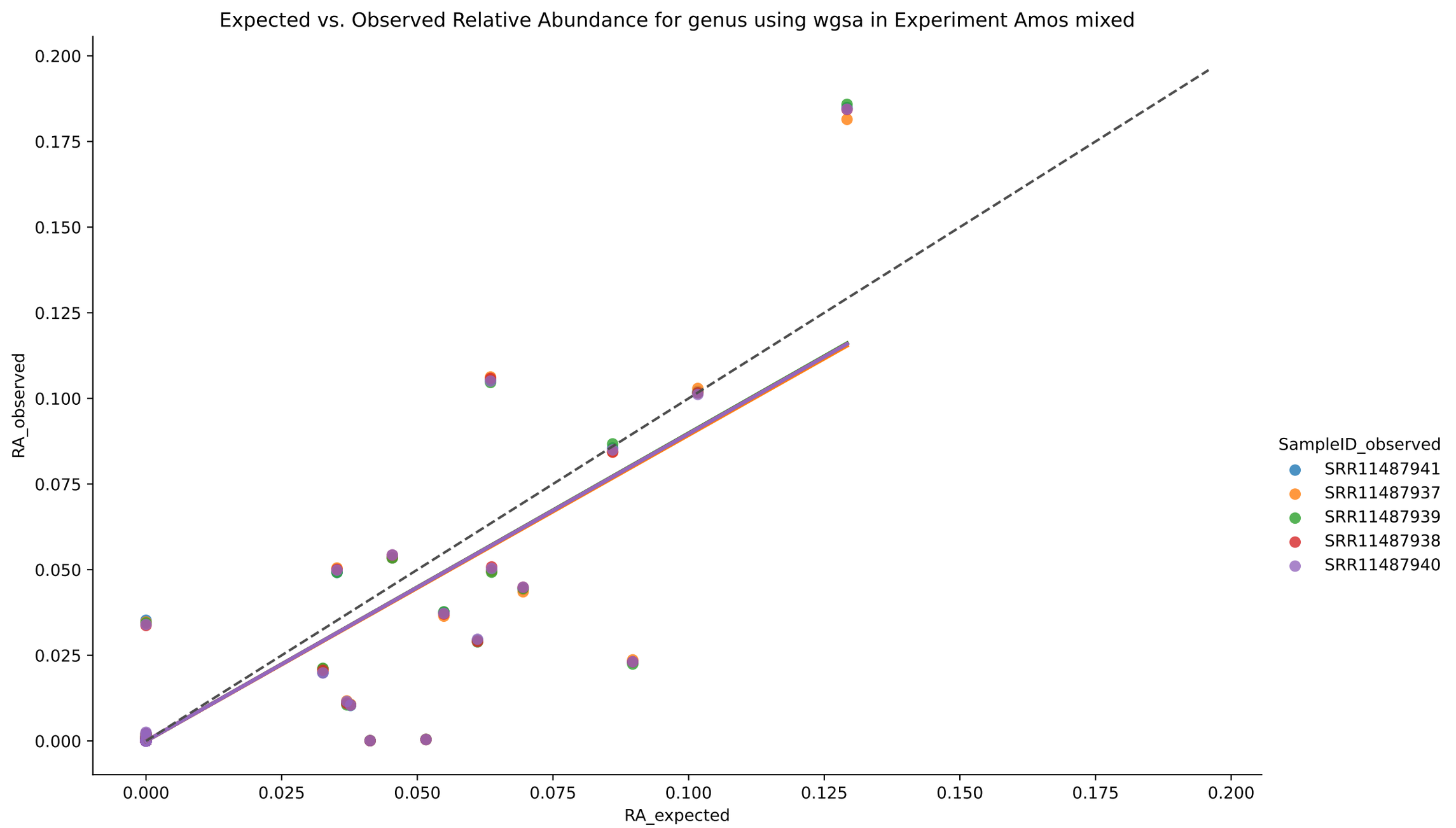
ESCHERICHIA_COLI
Shigella dysenteriae
Shigella flexneri
BACTEROIDES_THETAIOTAOMICRON
BACTEROIDES_UNIFORMIS
Bacteroides vulgatus
PARABACTEROIDES_DISTASONIS
FAECALIBACTERIUM_PRAUSNITZII
Blautia hansenii
CLOSTRIDIUM_BUTYRICUM
LACTOBACILLUS_GASSERI
Lactobacillus fermentum
Bifidobacterium breve
PREVOTELLA_MELANINOGENICA
Tyzzerella nexilis
Dorea formicigenerans
EUBACTERIUM_HALLII
Eubacterium ramulus
Eubacterium rectale
Eubacterium ventriosum
Blautia obeum
Butyrivibrio crossotus
Bacteroides stercoris
COLLINSELLA_AEROFACIENS
PREVOTELLA_COPRI
ROSEBURIA_INTESTINALIS
BIFIDOBACTERIUM_LONGUM
ALISTIPES_FINEGOLDII
AKKERMANSIA_MUCINIPHILA
ROSEBURIA_HOMINIS
Roseburia faecis
Alistipes shahii
Roseburia inulinivorans
Bacteroides pectinophilus
Coprococcus comes
Clostridium sp. M62/1
BLAUTIA_WEXLERAE
RUMINOCOCCUS_GAUVREAUII
Prevotella histicola
Prevotella fusca
Prevotella scopos
Ruminococcus faecis
ANAEROSTIPES_HADRUS
Fusicatenibacter saccharivorans
Bifidobacterium reuteri
Blautia sp. KLE 1732
Collinsella sp. CAG:166
Eubacterium sp. CAG:146
Akkermansia muciniphila CAG:154
Bacteroides faecis CAG:32
Bacteroides thetaiotaomicron CAG:40
Alistipes senegalensis
Akkermansia sp. UNK.MGS-1
Akkermansia sp. 54 46
Bacteroidales bacterium 55 9
Akkermansia sp. Phil8



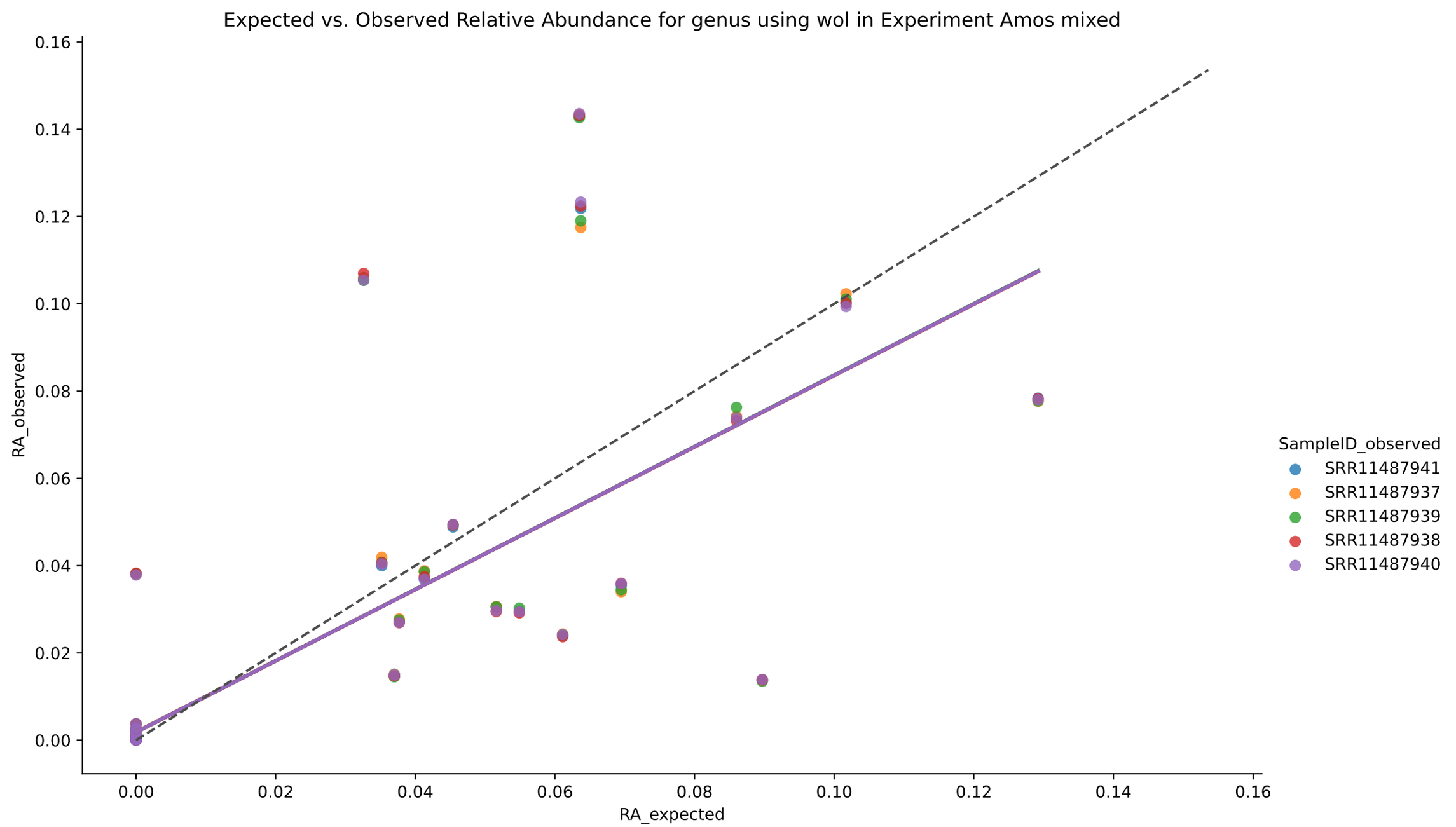
r² = 0.6595 for SRR11487937	MAE = 0.0241 for SRR11487937	Aitchison = 4.5249 for SRR11487937
r² = 0.6856 for SRR11487938	MAE = 0.0238 for SRR11487938	Aitchison = 4.1118 for SRR11487938
r² = 0.6543 for SRR11487939	MAE = 0.0237 for SRR11487939	Aitchison = 5.3975 for SRR11487939
r² = 0.6903 for SRR11487940	MAE = 0.0226 for SRR11487940	Aitchison = 4.4374 for SRR11487940
r² = 0.6856 for SRR11487941	MAE = 0.0235 for SRR11487941	Aitchison = 5.3530 for SRR11487941



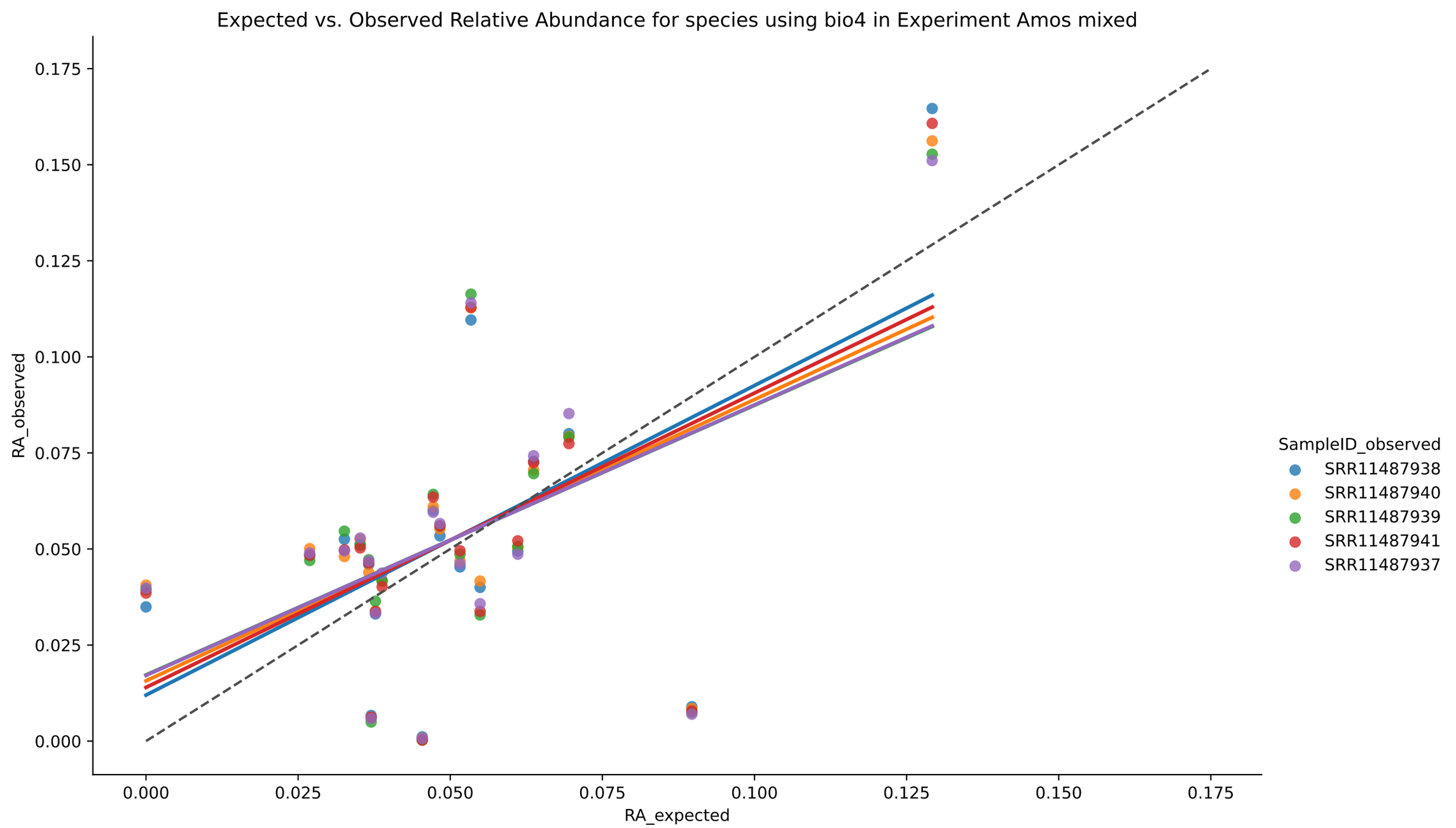
r² = 0.7949 for SRR11487937	MAE = 0.0058 for SRR11487937	Aitchison = 15.5749 for SRR11487937
r² = 0.7954 for SRR11487938	MAE = 0.0058 for SRR11487938	Aitchison = 16.2183 for SRR11487938
r² = 0.7965 for SRR11487939	MAE = 0.0057 for SRR11487939	Aitchison = 14.1868 for SRR11487939
r² = 0.7980 for SRR11487940	MAE = 0.0057 for SRR11487940	Aitchison = 14.6170 for SRR11487940
r² = 0.7955 for SRR11487941	MAE = 0.0058 for SRR11487941	Aitchison = 14.0058 for SRR11487941



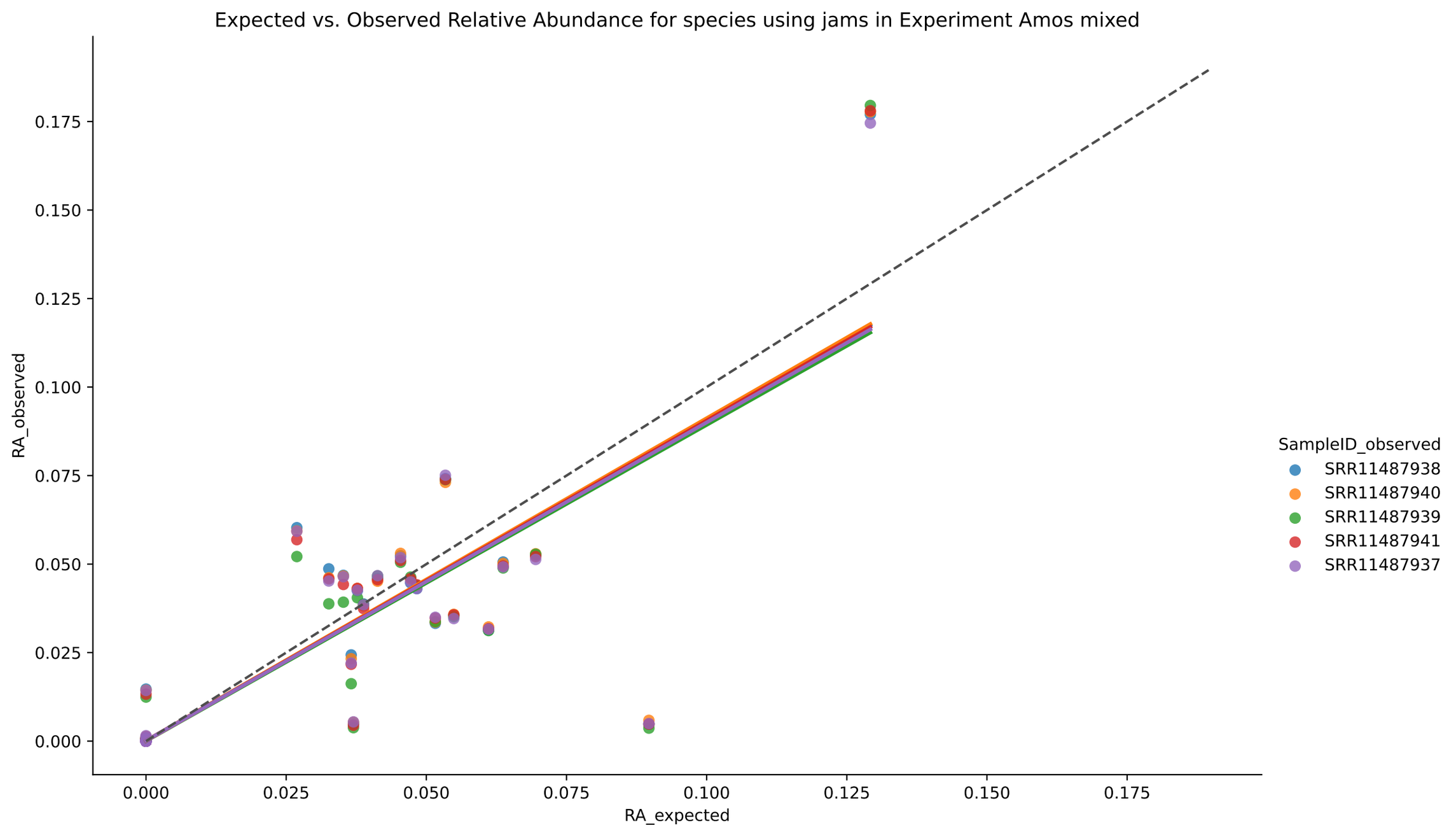
r² = 0.7663 for SRR11487937	MAE = 0.0005 for SRR11487937	Aitchison = 47.2229 for SRR11487937
r² = 0.7652 for SRR11487938	MAE = 0.0005 for SRR11487938	Aitchison = 47.6669 for SRR11487938
r² = 0.7635 for SRR11487939	MAE = 0.0005 for SRR11487939	Aitchison = 47.4056 for SRR11487939
r² = 0.7661 for SRR11487940	MAE = 0.0005 for SRR11487940	Aitchison = 47.8395 for SRR11487940
r² = 0.7642 for SRR11487941	MAE = 0.0005 for SRR11487941	Aitchison = 47.7898 for SRR11487941



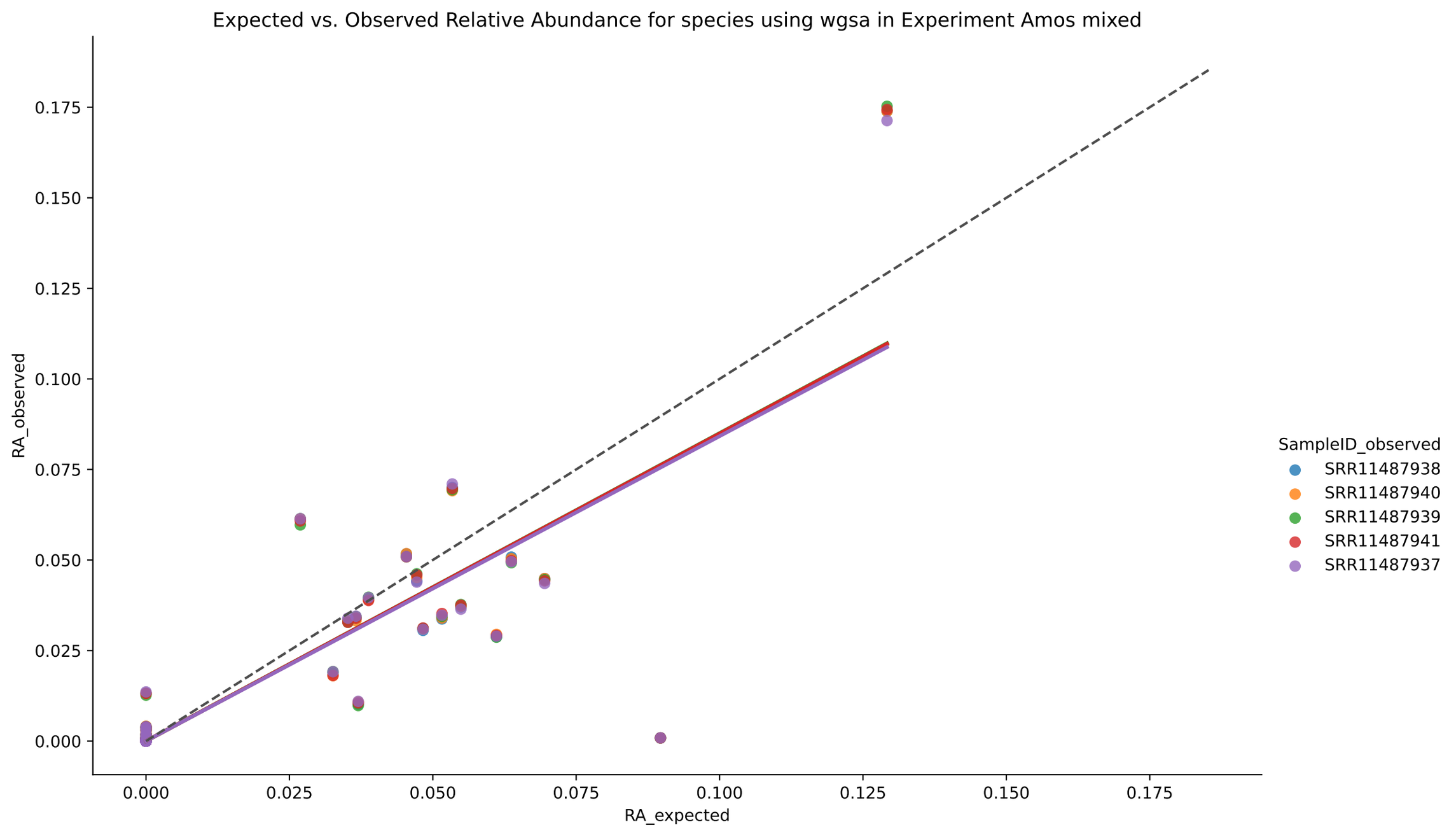
r² = 0.6108 for SRR11487937	MAE = 0.0061 for SRR11487937	Aitchison = 11.3308 for SRR11487937
r² = 0.6063 for SRR11487938	MAE = 0.0060 for SRR11487938	Aitchison = 11.6615 for SRR11487938
r² = 0.6125 for SRR11487939	MAE = 0.0059 for SRR11487939	Aitchison = 11.5865 for SRR11487939
r² = 0.6072 for SRR11487940	MAE = 0.0060 for SRR11487940	Aitchison = 11.6122 for SRR11487940
r² = 0.6089 for SRR11487941	MAE = 0.0060 for SRR11487941	Aitchison = 11.5070 for SRR11487941



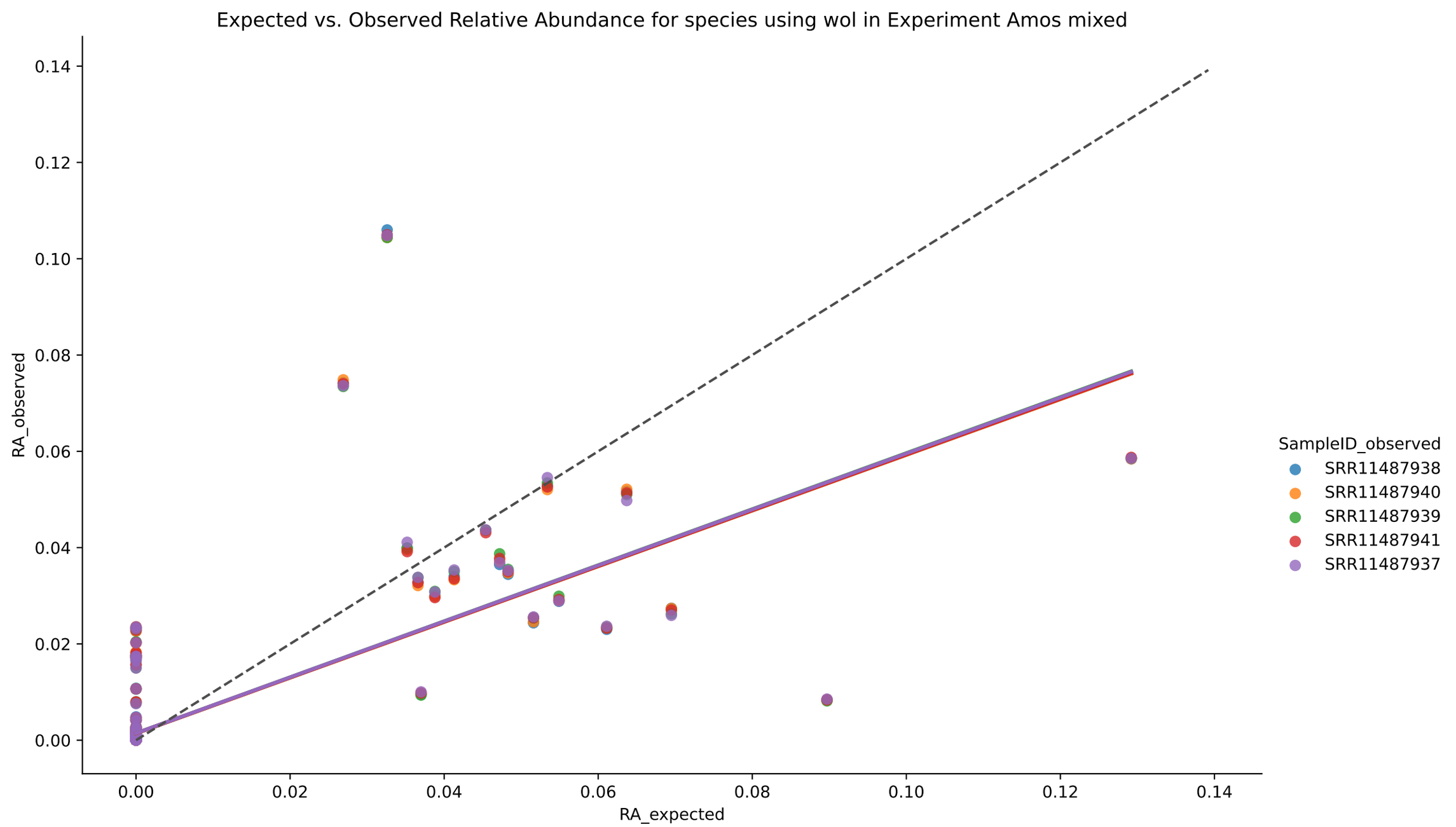
r^2 = 0.2750 for SRR11487937	MAE = 0.0232 for SRR11487937	Aitchison = 5.9702 for SRR11487937
r^2 = 0.3349 for SRR11487938	MAE = 0.0225 for SRR11487938	Aitchison = 5.4694 for SRR11487938
r^2 = 0.2702 for SRR11487939	MAE = 0.0228 for SRR11487939	Aitchison = 6.6592 for SRR11487939
r^2 = 0.2963 for SRR11487940	MAE = 0.0221 for SRR11487940	Aitchison = 5.8365 for SRR11487940
r^2 = 0.3061 for SRR11487941	MAE = 0.0226 for SRR11487941	Aitchison = 6.5904 for SRR11487941



r² = 0.7712 for SRR11487937	MAE = 0.0017 for SRR11487937	Aitchison = 19.1029 for SRR11487937
r² = 0.7692 for SRR11487938	MAE = 0.0017 for SRR11487938	Aitchison = 18.4967 for SRR11487938
r² = 0.7673 for SRR11487939	MAE = 0.0016 for SRR11487939	Aitchison = 18.8772 for SRR11487939
r² = 0.7748 for SRR11487940	MAE = 0.0017 for SRR11487940	Aitchison = 19.0132 for SRR11487940
r² = 0.7718 for SRR11487941	MAE = 0.0017 for SRR11487941	Aitchison = 18.1766 for SRR11487941



r^2 = 0.7551 for SRR11487937	MAE = 0.0002 for SRR11487937	Aitchison = 65.4428 for SRR11487937
r^2 = 0.7536 for SRR11487938	MAE = 0.0002 for SRR11487938	Aitchison = 66.5252 for SRR11487938
r^2 = 0.7547 for SRR11487939	MAE = 0.0002 for SRR11487939	Aitchison = 64.1841 for SRR11487939
r^2 = 0.7552 for SRR11487940	MAE = 0.0002 for SRR11487940	Aitchison = 65.9010 for SRR11487940
r^2 = 0.7552 for SRR11487941	MAE = 0.0002 for SRR11487941	Aitchison = 65.2934 for SRR11487941



r^2 = 0.5239 for SRR11487937	MAE = 0.0026 for SRR11487937	Aitchison = 25.7027 for SRR11487937
r^2 = 0.5187 for SRR11487938	MAE = 0.0025 for SRR11487938	Aitchison = 26.2593 for SRR11487938
r^2 = 0.5257 for SRR11487939	MAE = 0.0025 for SRR11487939	Aitchison = 25.8509 for SRR11487939
r^2 = 0.5221 for SRR11487940	MAE = 0.0025 for SRR11487940	Aitchison = 26.2613 for SRR11487940
r^2 = 0.5230 for SRR11487941	MAE = 0.0025 for SRR11487941	Aitchison = 26.1381 for SRR11487941