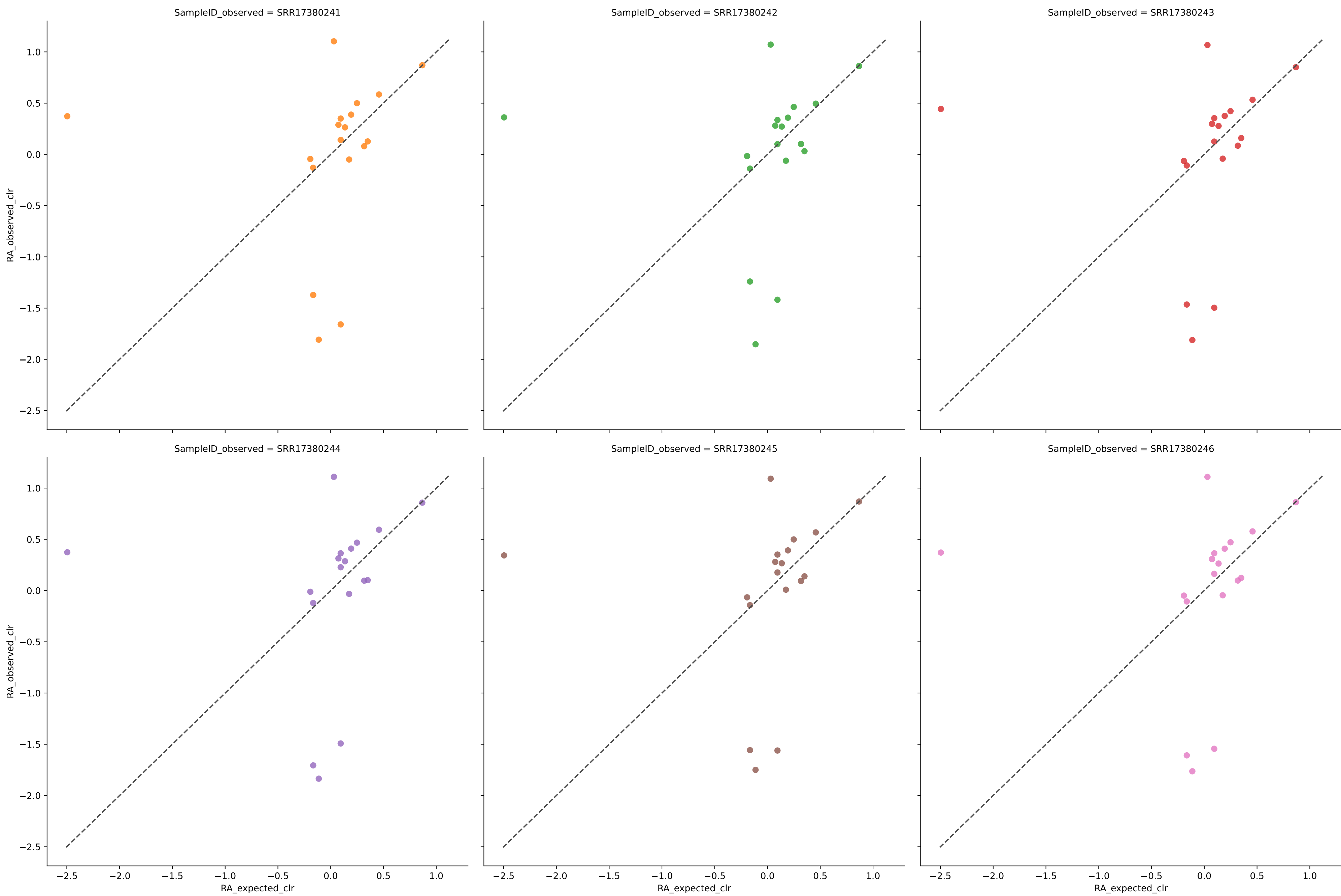
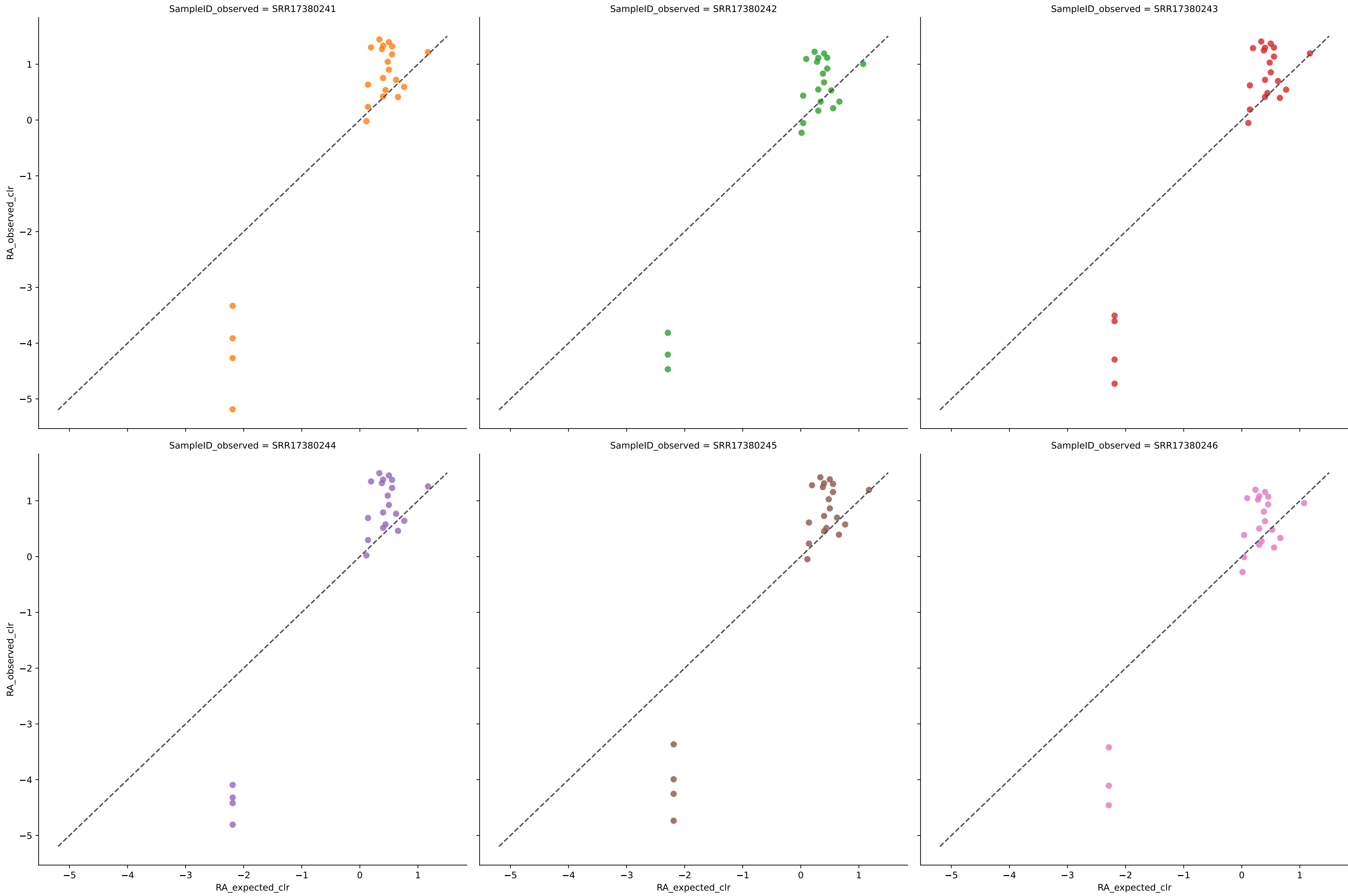


Expected vs. Observed Relative Abundance for genus using bio4 in Experiment tourlousse with filter 0.0001



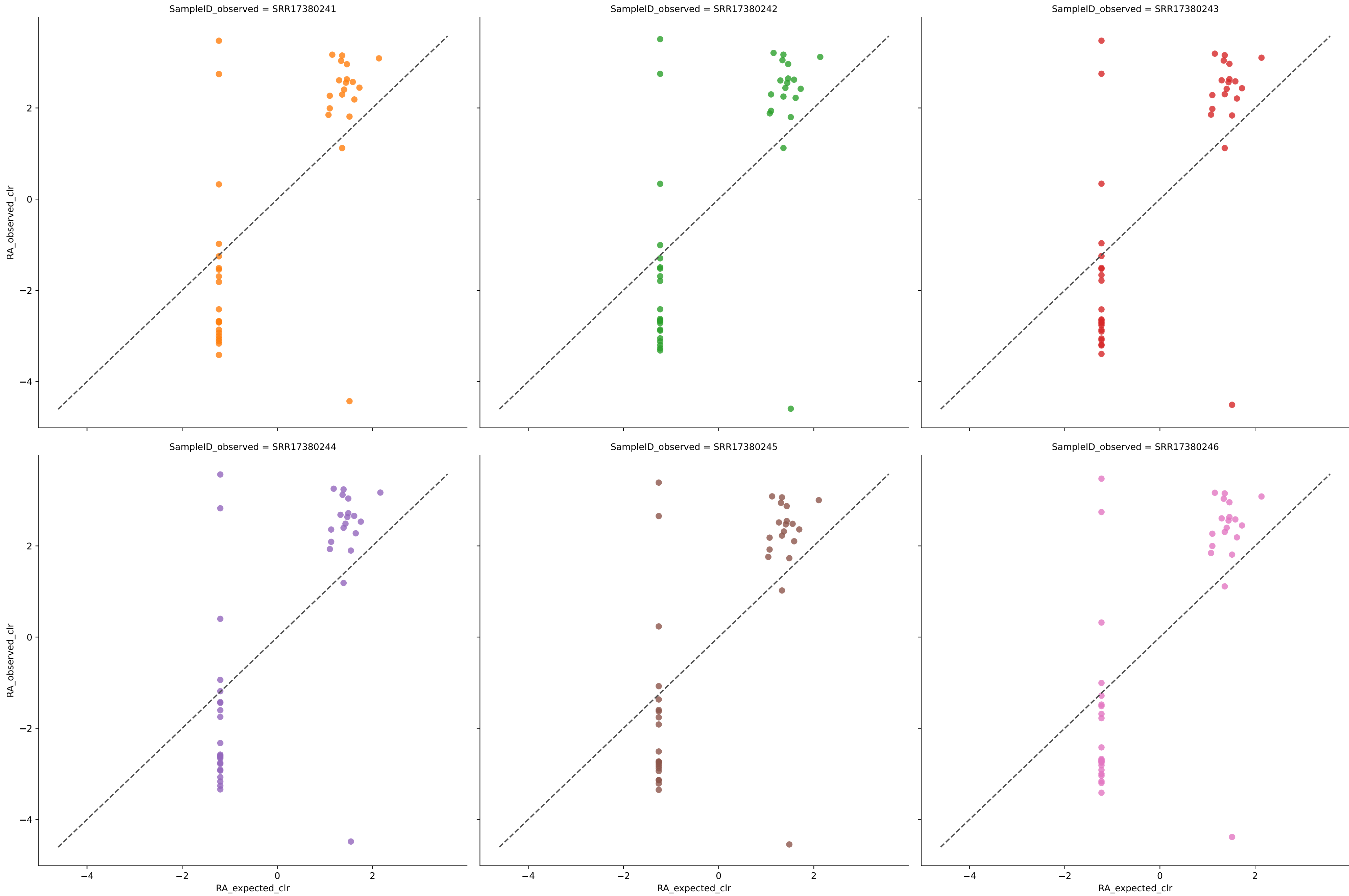
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 18        | 0.1320         | 0.0034 | 4.1482 | 0.8153 | 0.0051 | 100.0000 | 6.4245 |
| SRR17380242 | 18        | 0.1283         | 0.0034 | 4.0185 | 0.8171 | 0.0050 | 100.0000 | 6.4792 |
| SRR17380243 | 18        | 0.1142         | 0.0033 | 4.1452 | 0.8193 | 0.0050 | 100.0000 | 6.9590 |
| SRR17380244 | 18        | 0.1262         | 0.0034 | 4.2104 | 0.8121 | 0.0051 | 100.0000 | 6.3814 |
| SRR17380245 | 18        | 0.1433         | 0.0033 | 4.1141 | 0.8202 | 0.0050 | 100.0000 | 6.2467 |
| SRR17380246 | 18        | 0.1287         | 0.0034 | 4.1596 | 0.8156 | 0.0051 | 100.0000 | 6.3996 |
| Average     | 18        | 0.1288         | 0.0034 | 4.1327 | 0.8166 | 0.0050 | 100.0000 | 6.4817 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment tourlousse with filter 0.0001



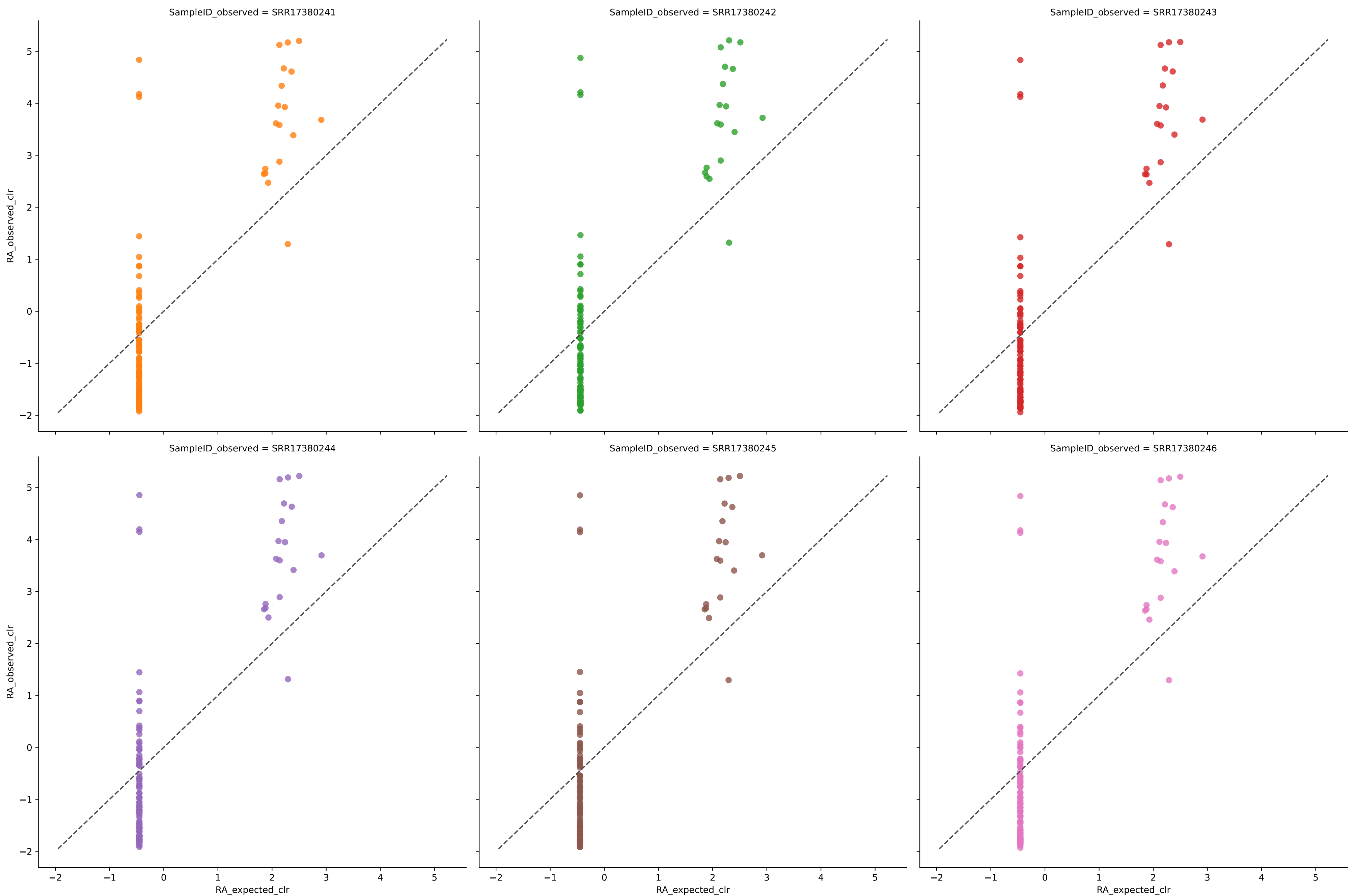
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 23        | 0.4474         | 0.0028 | 4.9468 | 0.8098 | 0.0035 | 100.0000 | 0.1507 |
| SRR17380242 | 22        | 0.3819         | 0.0029 | 4.0093 | 0.8088 | 0.0036 | 100.0000 | 0.1207 |
| SRR17380243 | 23        | 0.4465         | 0.0028 | 4.5905 | 0.8085 | 0.0035 | 100.0000 | 0.1641 |
| SRR17380244 | 23        | 0.4460         | 0.0028 | 5.2629 | 0.8090 | 0.0035 | 100.0000 | 0.0958 |
| SRR17380245 | 23        | 0.4484         | 0.0028 | 4.6839 | 0.8102 | 0.0035 | 100.0000 | 0.1551 |
| SRR17380246 | 22        | 0.3811         | 0.0029 | 3.7742 | 0.8088 | 0.0036 | 100.0000 | 0.1559 |
| Average     | 23        | 0.4252         | 0.0028 | 4.5446 | 0.8092 | 0.0035 | 100.0000 | 0.1404 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment toulouse with filter 0.0001



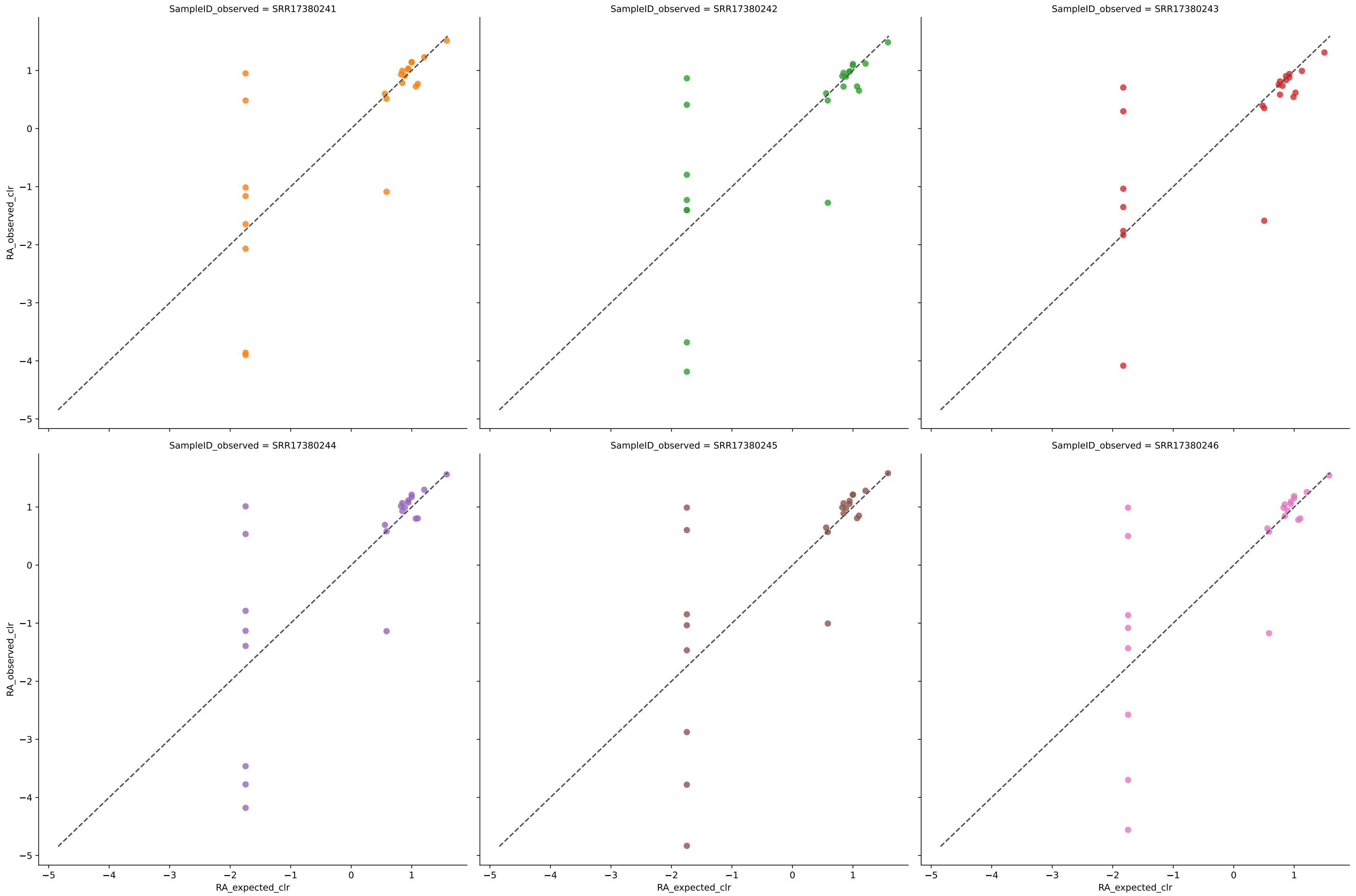
|             | Diversity | R <sup>2</sup> | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|---------|--------|--------|----------|---------|
| SRR17380241 | 41        | 0.3448         | 0.0024 | 11.7043 | 0.7035 | 0.0044 | 100.0000 | 17.8583 |
| SRR17380242 | 41        | 0.3382         | 0.0024 | 11.8349 | 0.7010 | 0.0044 | 100.0000 | 18.0035 |
| SRR17380243 | 41        | 0.3467         | 0.0024 | 11.7897 | 0.7038 | 0.0044 | 100.0000 | 17.7761 |
| SRR17380244 | 42        | 0.3510         | 0.0024 | 11.9691 | 0.7037 | 0.0044 | 100.0000 | 17.9031 |
| SRR17380245 | 40        | 0.3370         | 0.0025 | 11.5062 | 0.7045 | 0.0045 | 100.0000 | 17.8164 |
| SRR17380246 | 41        | 0.3450         | 0.0024 | 11.6922 | 0.7040 | 0.0044 | 100.0000 | 17.8496 |
| Average     | 41        | 0.3438         | 0.0024 | 11.7494 | 0.7034 | 0.0044 | 100.0000 | 17.8678 |

Expected vs. Observed Relative Abundance for genus using woltka in Experiment tourlousse with filter 0.0001



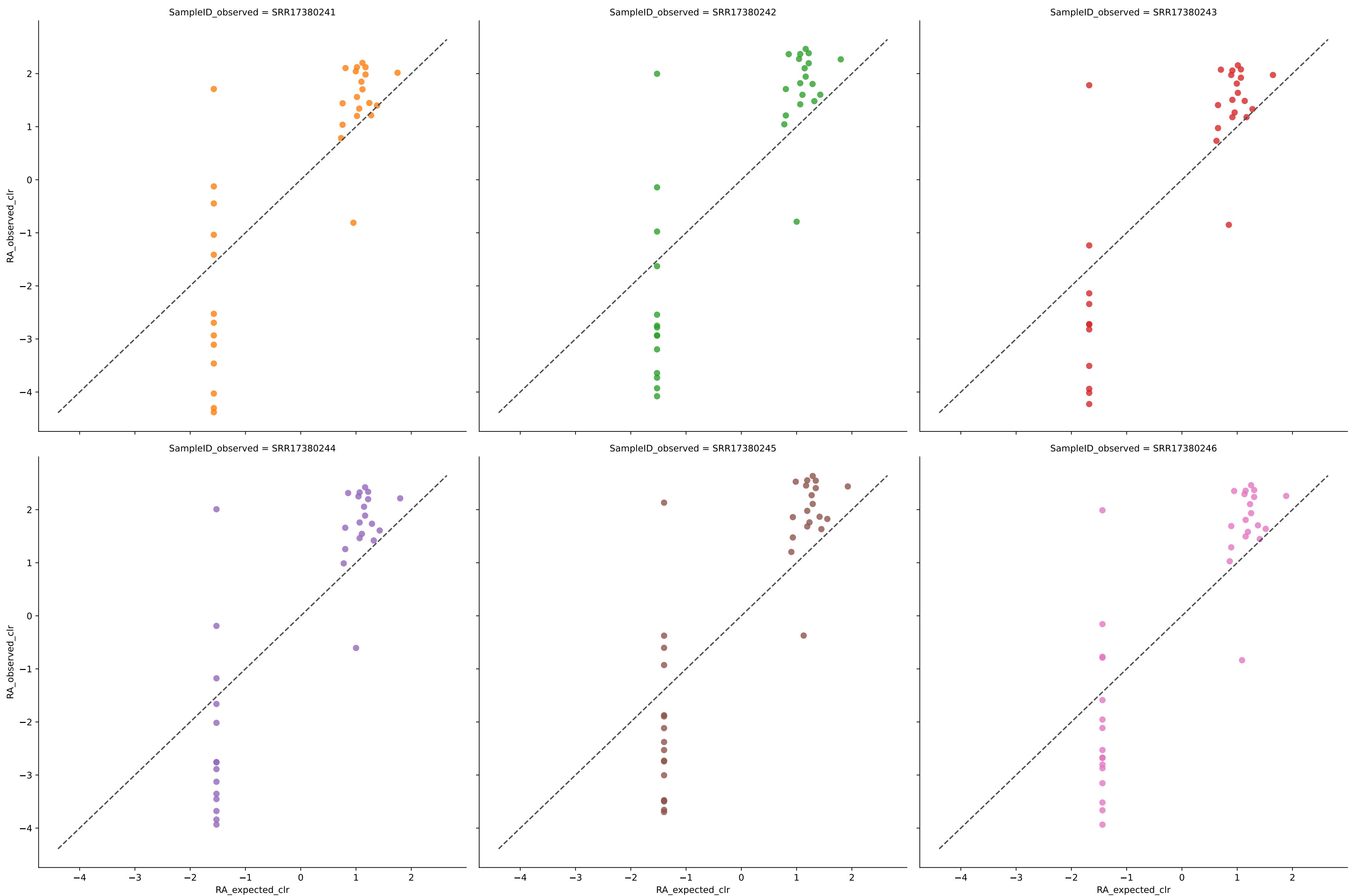
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR17380241 | 105       | 0.4149 | 0.0013 | 14.1744 | 0.5782 | 0.0033 | 100.0000 | 21.0333 |
| SRR17380242 | 108       | 0.4189 | 0.0013 | 14.2393 | 0.5788 | 0.0033 | 100.0000 | 21.5245 |
| SRR17380243 | 105       | 0.4153 | 0.0013 | 14.1464 | 0.5780 | 0.0033 | 100.0000 | 21.0512 |
| SRR17380244 | 106       | 0.4145 | 0.0013 | 14.2557 | 0.5773 | 0.0033 | 100.0000 | 20.9866 |
| SRR17380245 | 106       | 0.4148 | 0.0013 | 14.2190 | 0.5774 | 0.0033 | 100.0000 | 20.9474 |
| SRR17380246 | 105       | 0.4138 | 0.0013 | 14.1750 | 0.5771 | 0.0033 | 100.0000 | 20.9465 |
| Average     | 106       | 0.4154 | 0.0013 | 14.2016 | 0.5778 | 0.0033 | 100.0000 | 21.0816 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment tourlousse with filter 0.0001



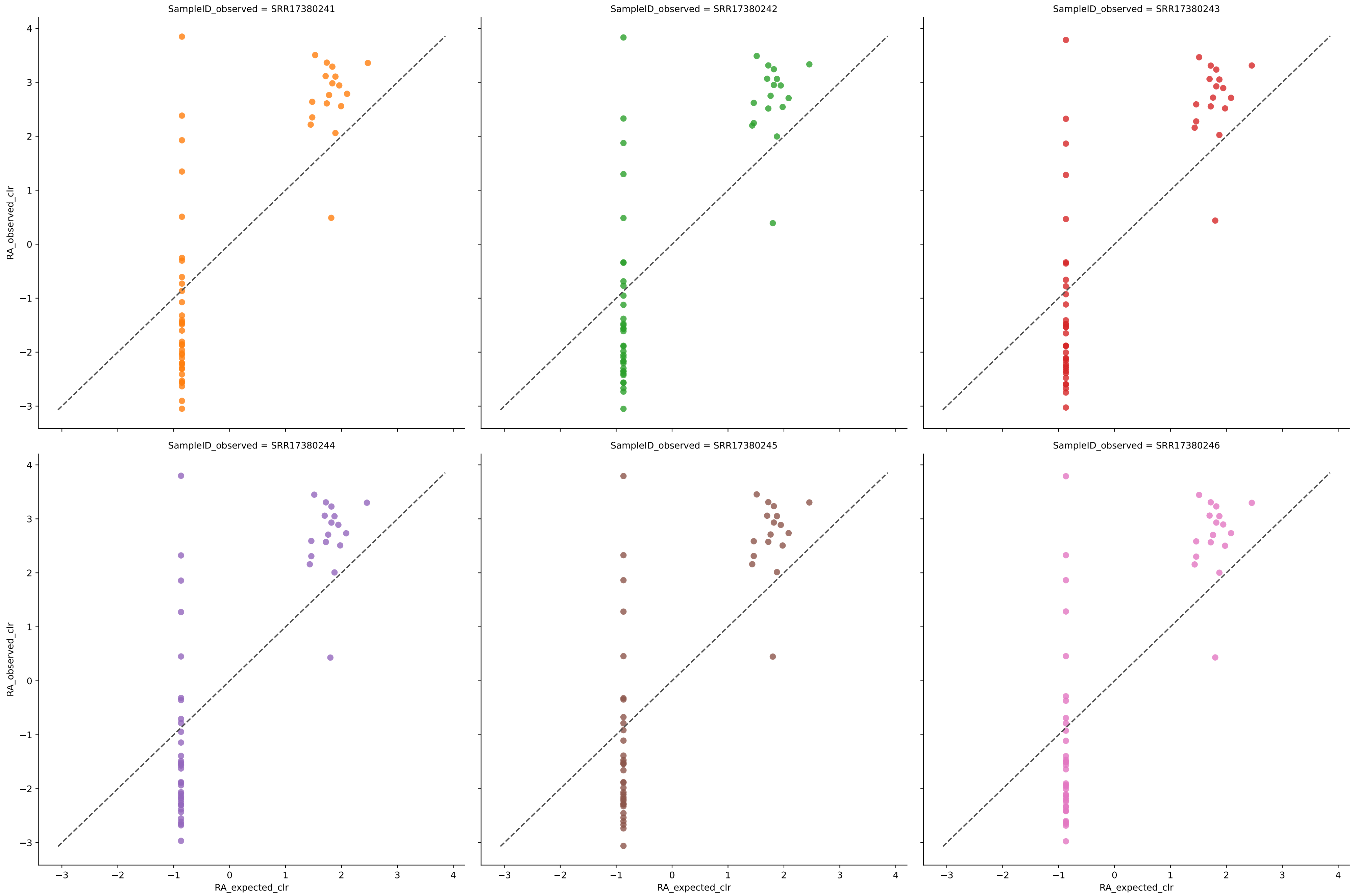
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 23        | 0.7025         | 0.0019 | 5.0458 | 0.8682 | 0.0031 | 100.0000 | 12.1776 |
| SRR17380242 | 23        | 0.7052         | 0.0020 | 5.1424 | 0.8627 | 0.0031 | 100.0000 | 12.4936 |
| SRR17380243 | 22        | 0.6871         | 0.0020 | 4.6614 | 0.8662 | 0.0031 | 100.0000 | 12.2299 |
| SRR17380244 | 23        | 0.6994         | 0.0019 | 5.5324 | 0.8695 | 0.0031 | 100.0000 | 12.0670 |
| SRR17380245 | 23        | 0.7057         | 0.0019 | 5.6778 | 0.8689 | 0.0031 | 100.0000 | 12.2074 |
| SRR17380246 | 23        | 0.7012         | 0.0019 | 5.4491 | 0.8673 | 0.0031 | 100.0000 | 12.1748 |
| Average     | 23        | 0.7002         | 0.0019 | 5.2515 | 0.8671 | 0.0031 | 100.0000 | 12.2250 |

Expected vs. Observed Relative Abundance for species using jams in Experiment tourlousse with filter 0.0001



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 32        | 0.5602         | 0.0024 | 7.5882 | 0.7735 | 0.0033 | 100.0000 | 7.2805 |
| SRR17380242 | 33        | 0.5727         | 0.0023 | 7.9954 | 0.7763 | 0.0033 | 100.0000 | 6.6196 |
| SRR17380243 | 30        | 0.5237         | 0.0025 | 7.0392 | 0.7780 | 0.0035 | 100.0000 | 6.4760 |
| SRR17380244 | 33        | 0.5686         | 0.0023 | 7.7509 | 0.7758 | 0.0033 | 100.0000 | 6.8706 |
| SRR17380245 | 36        | 0.6107         | 0.0021 | 8.0215 | 0.7764 | 0.0031 | 100.0000 | 6.6057 |
| SRR17380246 | 35        | 0.5919         | 0.0022 | 7.5229 | 0.7728 | 0.0032 | 100.0000 | 7.1374 |
| Average     | 33        | 0.5713         | 0.0023 | 7.6530 | 0.7755 | 0.0033 | 100.0000 | 6.8316 |

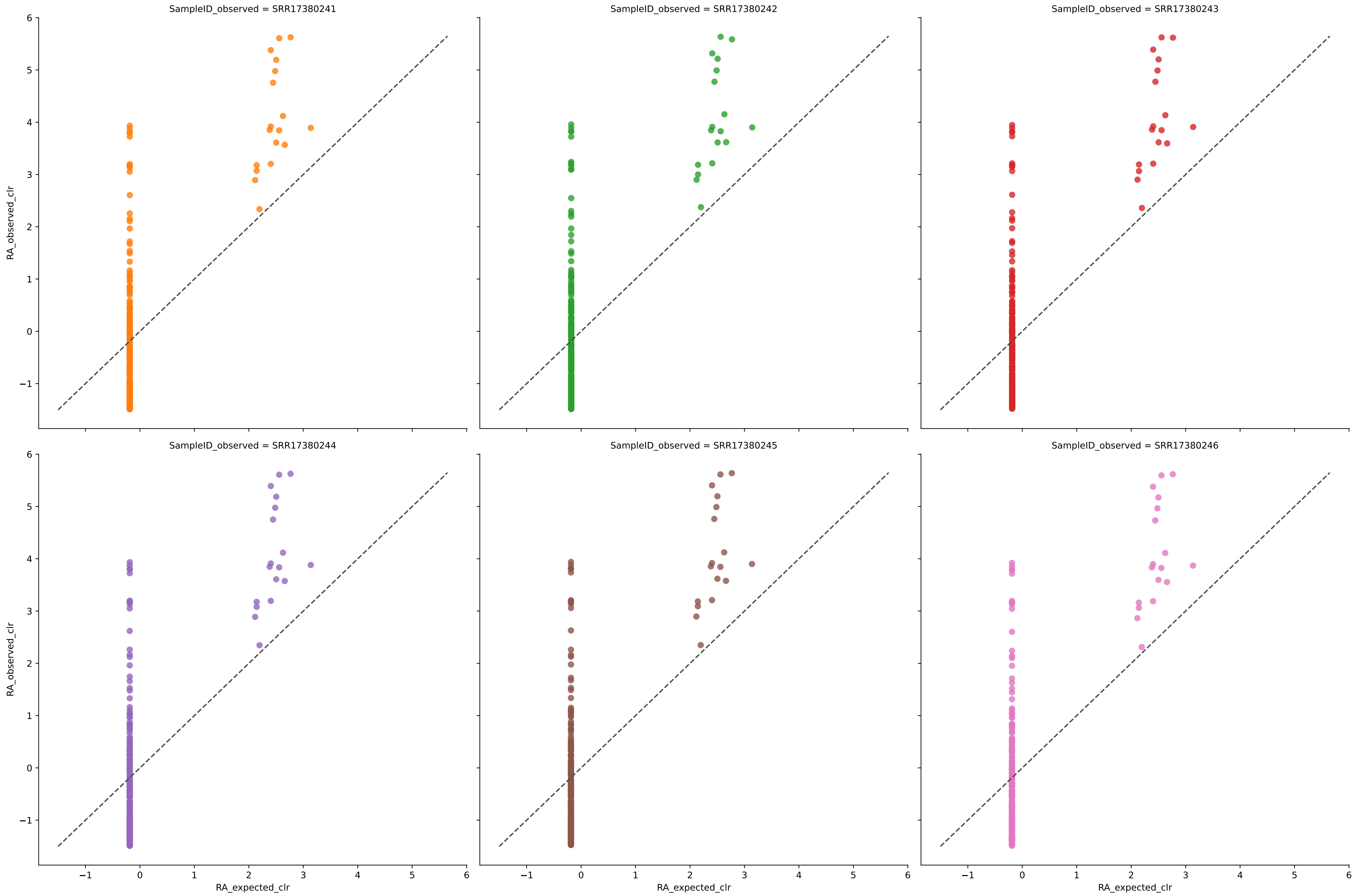
Expected vs. Observed Relative Abundance for species using wgsa in Experiment tourlousse with filter 0.0001



|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR17380241 | 53        | 0.4546 | 0.0018 | 10.6645 | 0.7140 | 0.0038 | 100.0000 | 20.2132 |
| SRR17380242 | 52        | 0.4419 | 0.0018 | 10.5377 | 0.7120 | 0.0039 | 100.0000 | 20.3473 |
| SRR17380243 | 52        | 0.4537 | 0.0018 | 10.4619 | 0.7145 | 0.0039 | 100.0000 | 20.0621 |
| SRR17380244 | 52        | 0.4495 | 0.0018 | 10.4291 | 0.7149 | 0.0039 | 100.0000 | 20.2010 |
| SRR17380245 | 52        | 0.4520 | 0.0018 | 10.4654 | 0.7151 | 0.0039 | 100.0000 | 20.1429 |
| SRR17380246 | 52        | 0.4516 | 0.0018 | 10.4445 | 0.7148 | 0.0039 | 100.0000 | 20.1791 |
| Average     | 52        | 0.4505 | 0.0018 | 10.5005 | 0.7142 | 0.0039 | 100.0000 | 20.1909 |



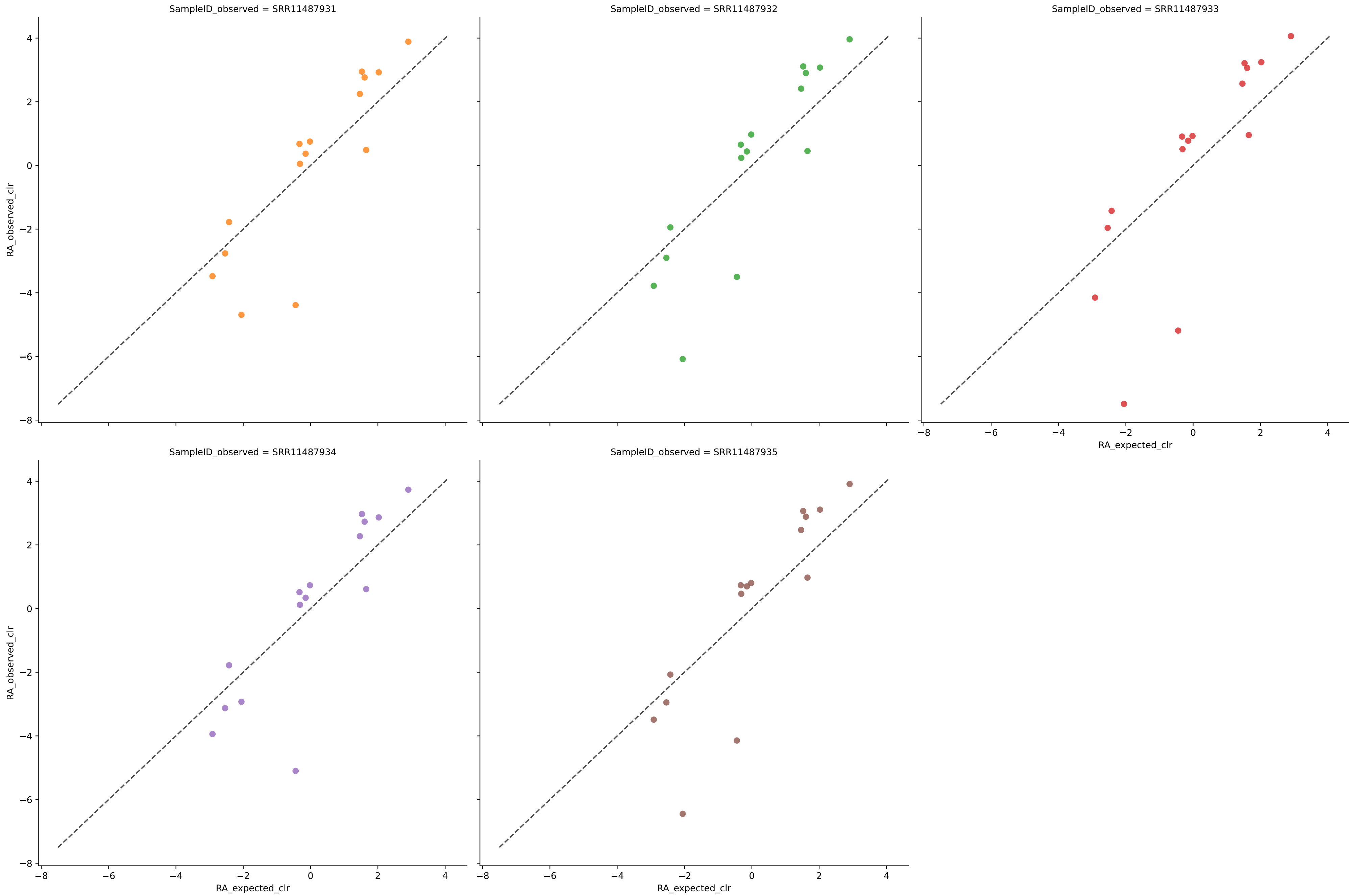
Expected vs. Observed Relative Abundance for species using woltka in Experiment tourlousse with filter 0.0001



|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR17380241 | 256       | 0.4960 | 0.0006 | 19.3635 | 0.5369 | 0.0019 | 100.0000 | 26.0628 |
| SRR17380242 | 263       | 0.4997 | 0.0006 | 19.4437 | 0.5373 | 0.0019 | 100.0000 | 26.6495 |
| SRR17380243 | 257       | 0.4970 | 0.0006 | 19.3975 | 0.5372 | 0.0019 | 100.0000 | 26.0630 |
| SRR17380244 | 256       | 0.4942 | 0.0006 | 19.3523 | 0.5362 | 0.0019 | 100.0000 | 26.0586 |
| SRR17380245 | 257       | 0.4948 | 0.0006 | 19.3969 | 0.5362 | 0.0019 | 100.0000 | 26.0049 |
| SRR17380246 | 253       | 0.4939 | 0.0006 | 19.2781 | 0.5363 | 0.0019 | 100.0000 | 26.0269 |
| Average     | 257       | 0.4959 | 0.0006 | 19.3720 | 0.5367 | 0.0019 | 100.0000 | 26.1443 |

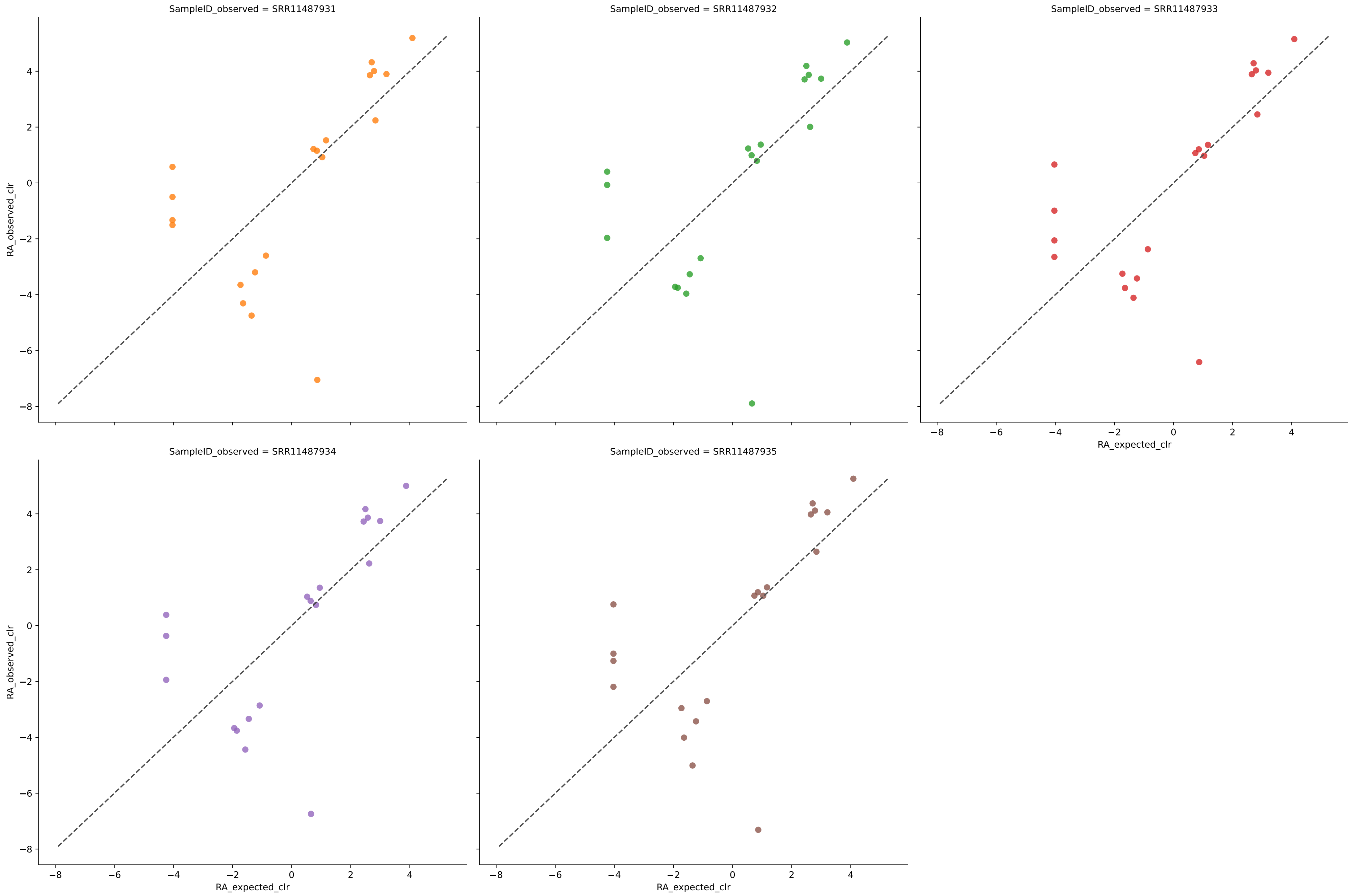


Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos hilo with filter 0.0001



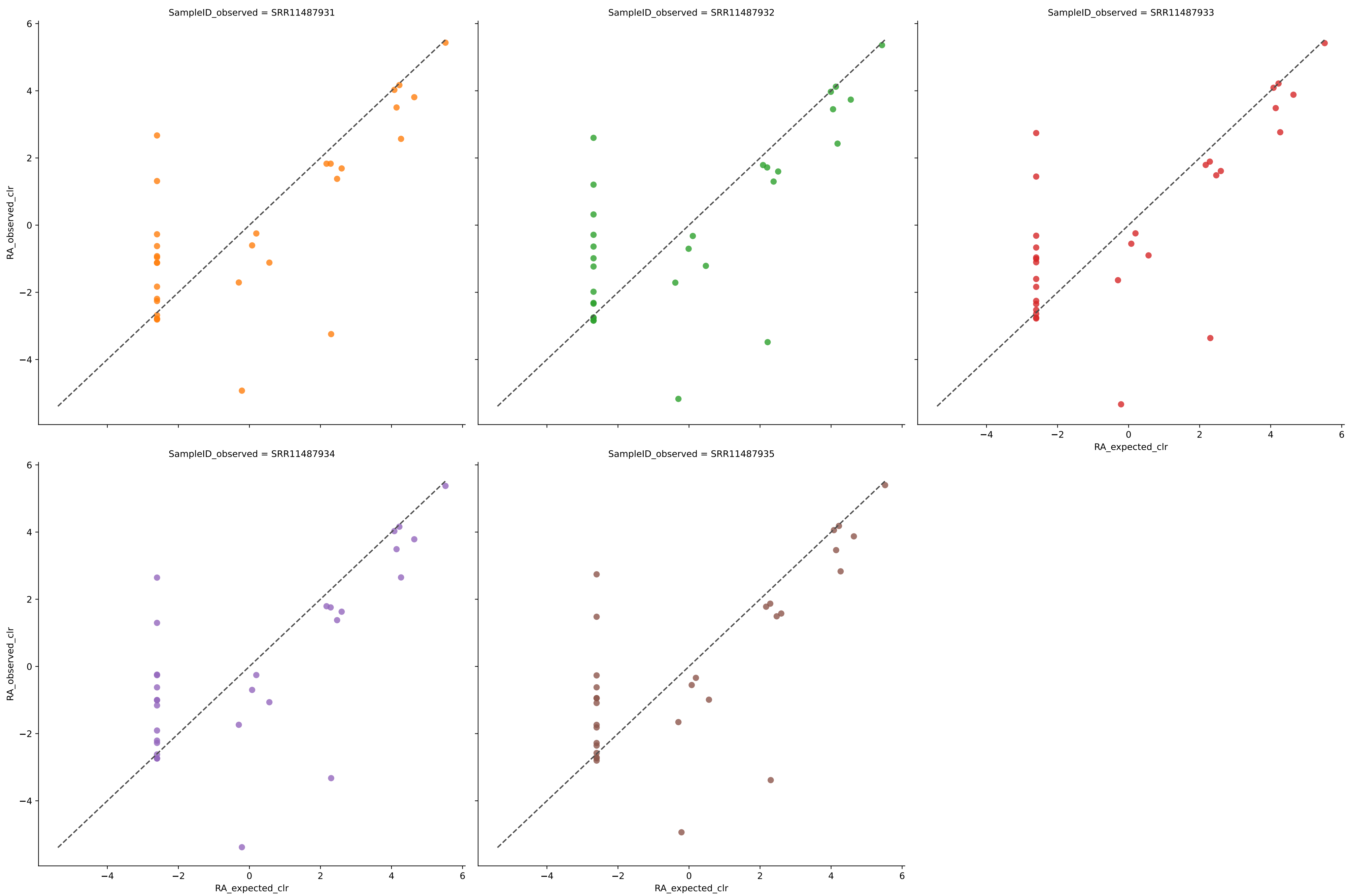
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 15        | 0.9163 | 0.0036 | 5.6916 | 0.8666 | 0.0064 | 100.0000 | 0.0000 |
| SRR11487932 | 15        | 0.9048 | 0.0035 | 6.1663 | 0.8696 | 0.0065 | 93.3333  | 0.0000 |
| SRR11487933 | 15        | 0.9085 | 0.0032 | 8.2673 | 0.8784 | 0.0062 | 93.3333  | 0.0000 |
| SRR11487934 | 15        | 0.8969 | 0.0032 | 5.6939 | 0.8801 | 0.0065 | 100.0000 | 0.0000 |
| SRR11487935 | 15        | 0.9133 | 0.0030 | 6.6628 | 0.8863 | 0.0059 | 93.3333  | 0.0000 |
| Average     | 15        | 0.9080 | 0.0033 | 6.4964 | 0.8762 | 0.0063 | 96.0000  | 0.0000 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos hilo with filter 0.0001



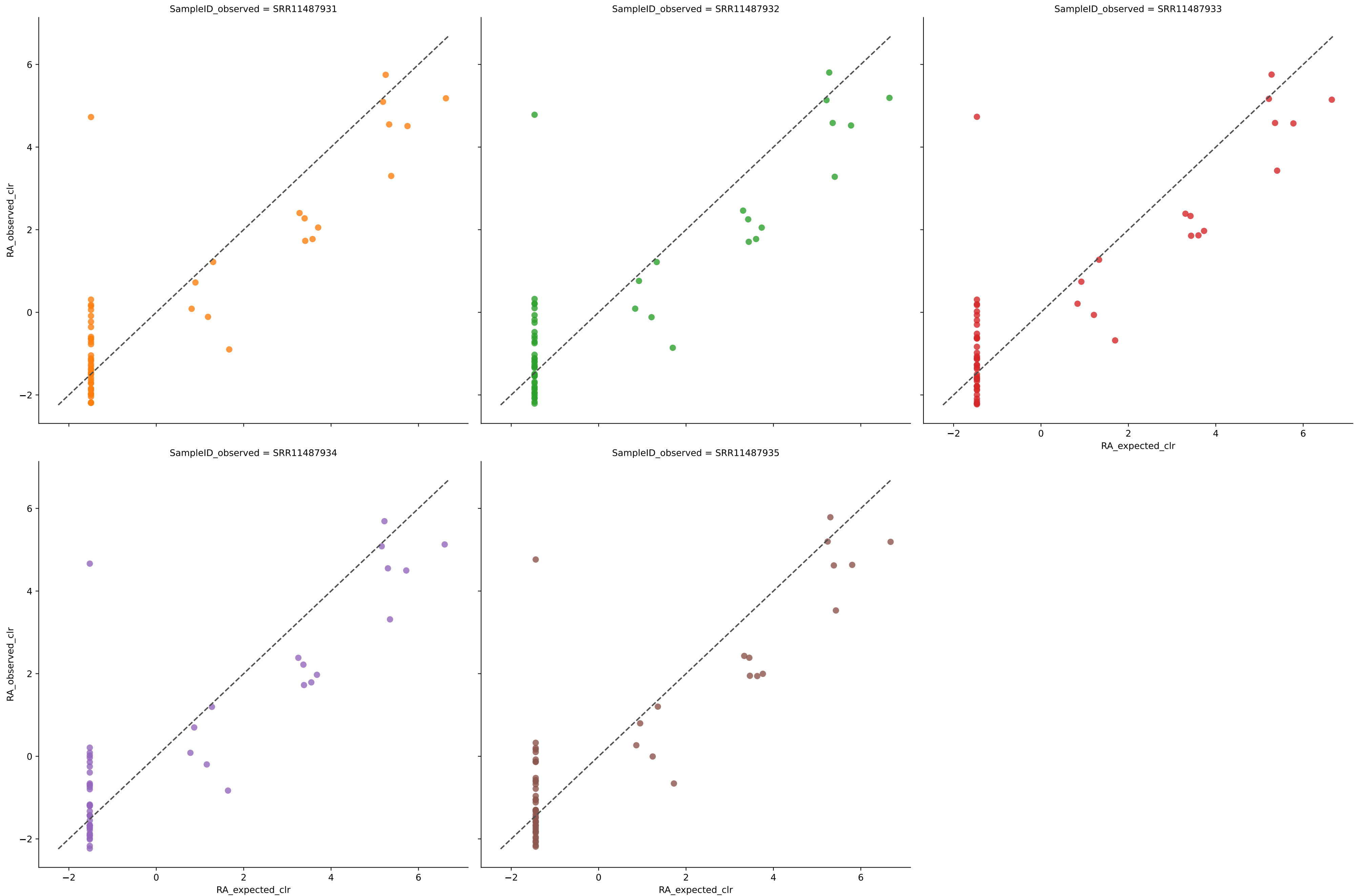
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 20        | 0.9083 | 0.0036 | 12.1346 | 0.8201 | 0.0061 | 93.7500  | 0.6650 |
| SRR11487932 | 19        | 0.9013 | 0.0038 | 12.0379 | 0.8182 | 0.0064 | 100.0000 | 0.6913 |
| SRR11487933 | 20        | 0.9160 | 0.0034 | 10.9158 | 0.8302 | 0.0057 | 93.7500  | 0.5835 |
| SRR11487934 | 19        | 0.9063 | 0.0037 | 11.2530 | 0.8231 | 0.0062 | 93.7500  | 0.6269 |
| SRR11487935 | 20        | 0.9212 | 0.0034 | 12.1401 | 0.8318 | 0.0056 | 93.7500  | 0.6103 |
| Average     | 20        | 0.9106 | 0.0036 | 11.6963 | 0.8247 | 0.0060 | 95.0000  | 0.6354 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos hilo with filter 0.0001



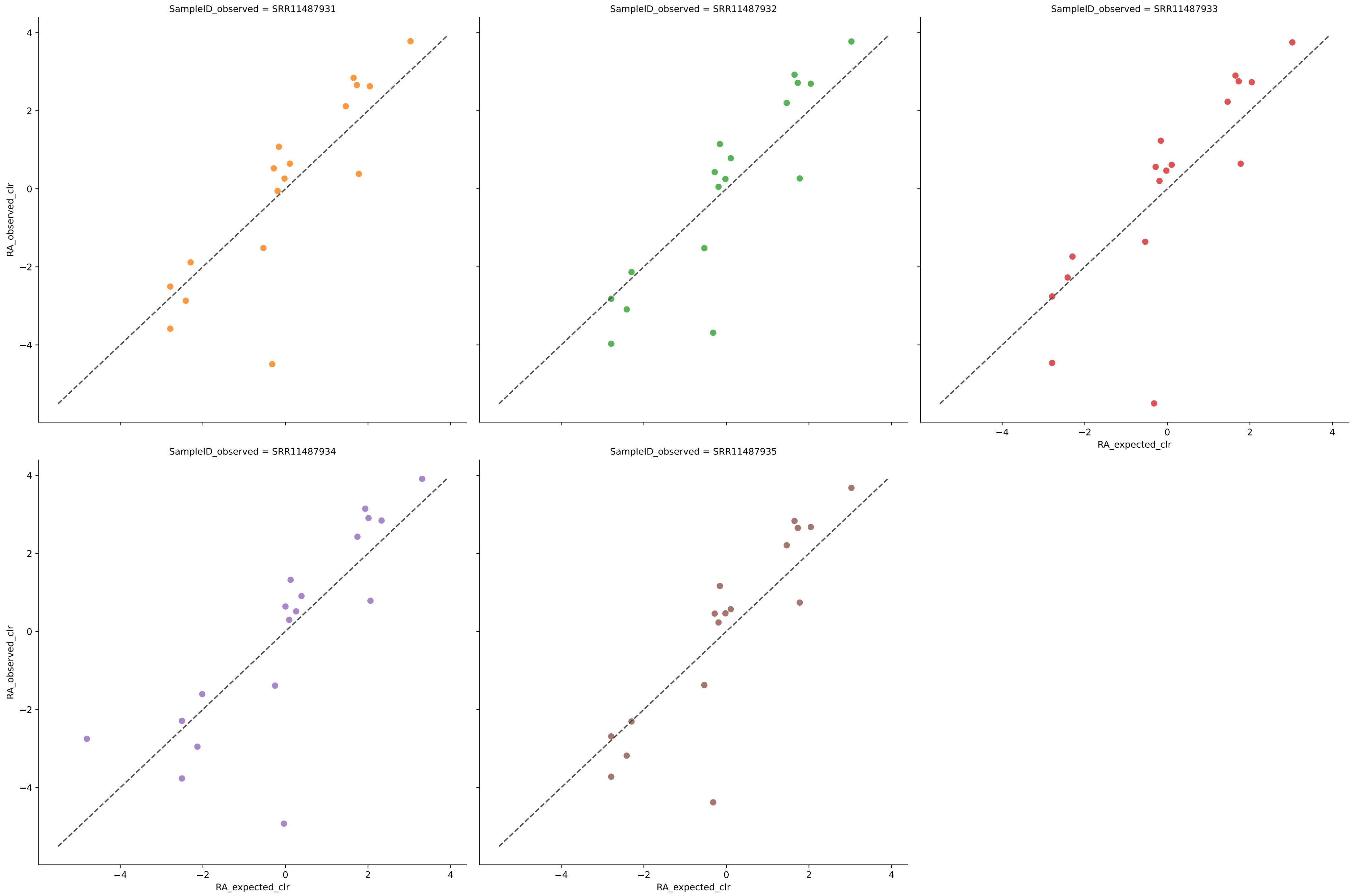
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 31        | 0.9116 | 0.0026 | 11.3190 | 0.7960 | 0.0055 | 100.0000 | 4.4278 |
| SRR11487932 | 30        | 0.9095 | 0.0027 | 11.6567 | 0.7941 | 0.0056 | 100.0000 | 4.5500 |
| SRR11487933 | 31        | 0.9183 | 0.0026 | 11.4689 | 0.8023 | 0.0051 | 100.0000 | 4.6111 |
| SRR11487934 | 31        | 0.9155 | 0.0026 | 11.6578 | 0.8005 | 0.0052 | 100.0000 | 4.5628 |
| SRR11487935 | 31        | 0.9213 | 0.0025 | 11.3572 | 0.8054 | 0.0050 | 100.0000 | 4.7407 |
| Average     | 31        | 0.9152 | 0.0026 | 11.4919 | 0.7997 | 0.0053 | 100.0000 | 4.5785 |

Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos hilo with filter 0.0001



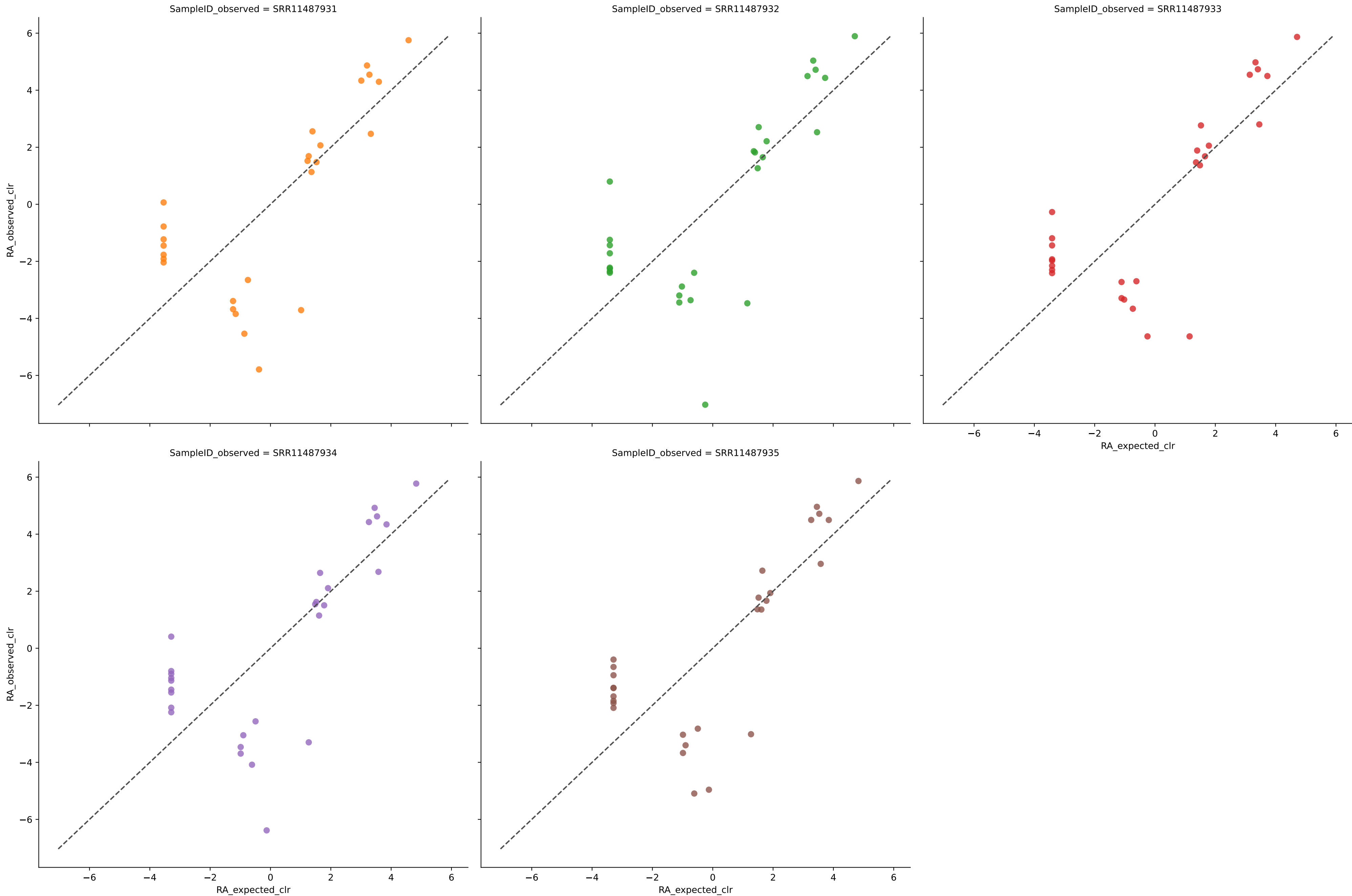
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487931 | 54        | 0.4510 | 0.0030 | 9.5008 | 0.5987 | 0.0091 | 100.0000 | 12.2553 |
| SRR11487932 | 55        | 0.4339 | 0.0030 | 9.5905 | 0.5900 | 0.0092 | 100.0000 | 12.4894 |
| SRR11487933 | 55        | 0.4427 | 0.0029 | 9.4274 | 0.5975 | 0.0090 | 100.0000 | 12.0932 |
| SRR11487934 | 53        | 0.4560 | 0.0030 | 9.3302 | 0.6039 | 0.0091 | 100.0000 | 11.9329 |
| SRR11487935 | 56        | 0.4507 | 0.0028 | 9.3568 | 0.6024 | 0.0089 | 100.0000 | 11.9932 |
| Average     | 55        | 0.4469 | 0.0029 | 9.4411 | 0.5985 | 0.0090 | 100.0000 | 12.1528 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos hilo with filter 0.0001



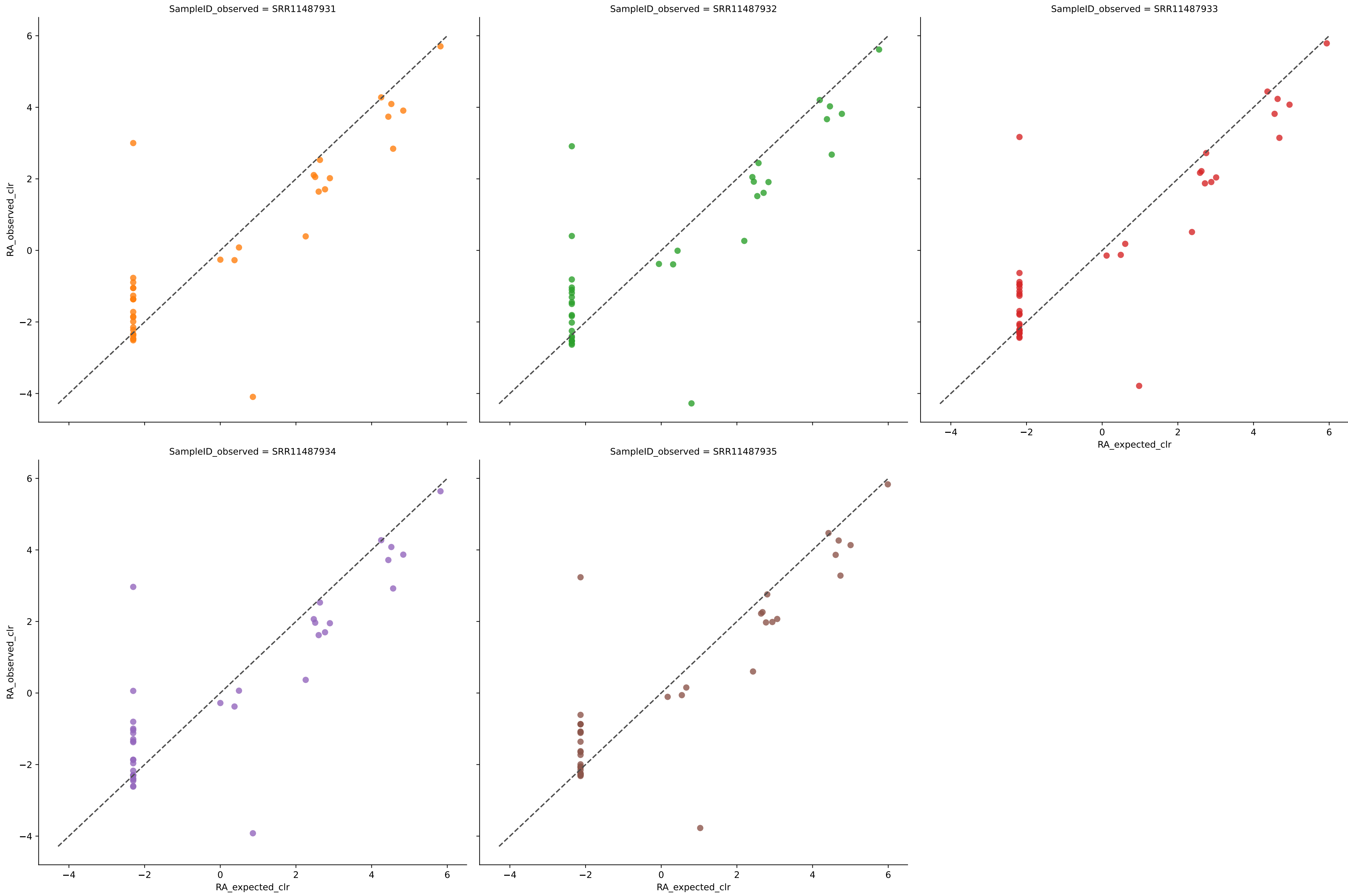
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 17        | 0.9142 | 0.0034 | 5.2528 | 0.8568 | 0.0060 | 100.0000 | 0.0000 |
| SRR11487932 | 17        | 0.9028 | 0.0033 | 4.8354 | 0.8612 | 0.0062 | 100.0000 | 0.0000 |
| SRR11487933 | 17        | 0.9066 | 0.0030 | 6.2762 | 0.8715 | 0.0058 | 100.0000 | 0.0000 |
| SRR11487934 | 18        | 0.8966 | 0.0030 | 6.2508 | 0.8632 | 0.0060 | 100.0000 | 0.0477 |
| SRR11487935 | 17        | 0.9113 | 0.0029 | 5.1244 | 0.8773 | 0.0056 | 100.0000 | 0.0000 |
| Average     | 17        | 0.9063 | 0.0031 | 5.5479 | 0.8660 | 0.0059 | 100.0000 | 0.0095 |

Expected vs. Observed Relative Abundance for species using jams in Experiment Amos hilo with filter 0.0001



|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 26        | 0.9075 | 0.0030 | 11.6435 | 0.8065 | 0.0057 | 100.0000 | 0.3374 |
| SRR11487932 | 27        | 0.9026 | 0.0029 | 11.6601 | 0.8039 | 0.0057 | 100.0000 | 0.3846 |
| SRR11487933 | 27        | 0.9132 | 0.0028 | 10.7539 | 0.8142 | 0.0053 | 100.0000 | 0.2205 |
| SRR11487934 | 28        | 0.9067 | 0.0028 | 12.1092 | 0.8074 | 0.0054 | 94.7368  | 0.4761 |
| SRR11487935 | 28        | 0.9194 | 0.0026 | 11.3652 | 0.8167 | 0.0050 | 100.0000 | 0.3168 |
| Average     | 27        | 0.9099 | 0.0028 | 11.5064 | 0.8097 | 0.0054 | 98.9474  | 0.3471 |

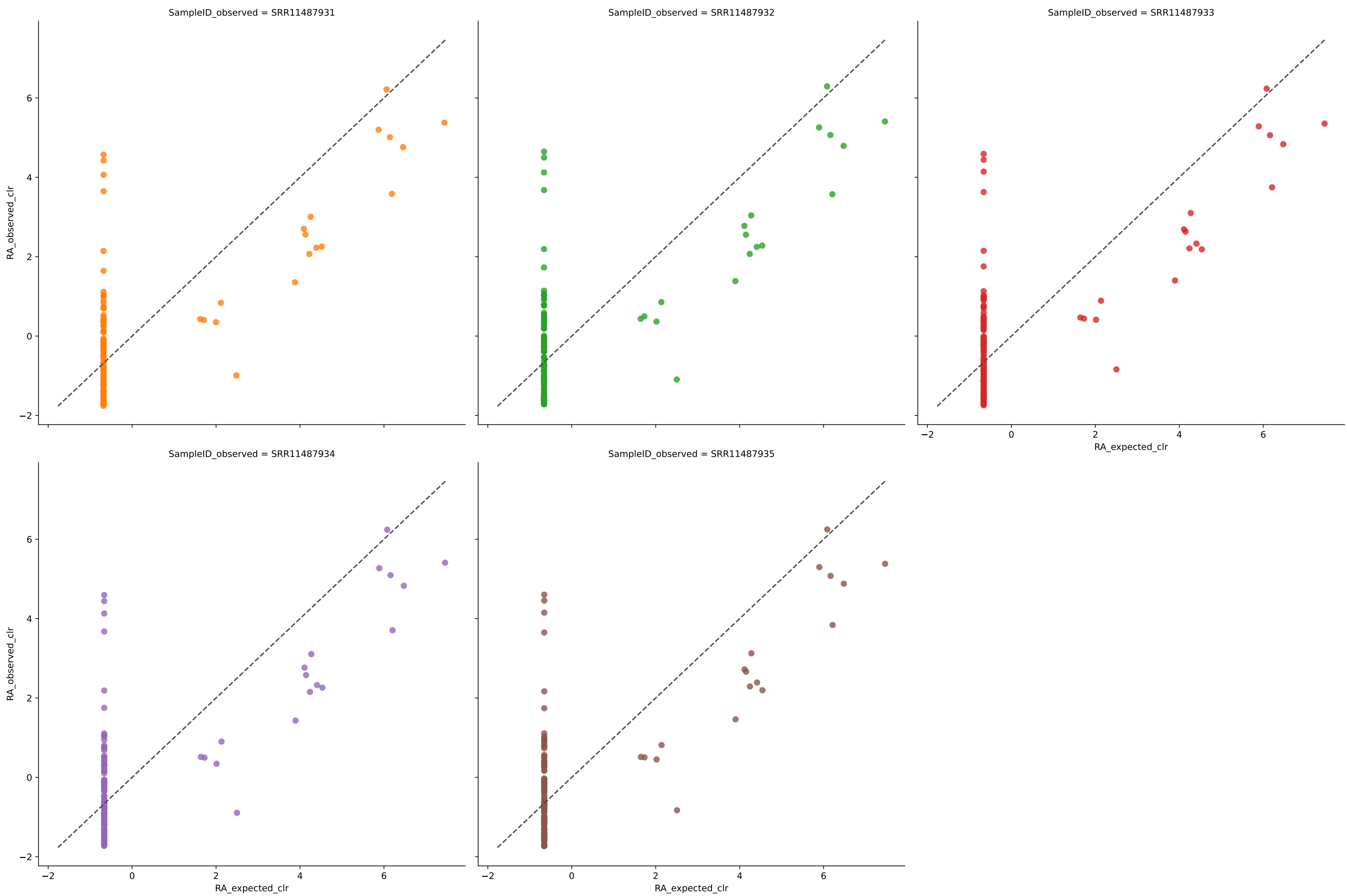
Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos hilo with filter 0.0001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 38        | 0.9100 | 0.0021 | 8.7541 | 0.7996 | 0.0053 | 100.0000 | 3.9102 |
| SRR11487932 | 37        | 0.9086 | 0.0022 | 9.2209 | 0.7989 | 0.0053 | 100.0000 | 4.0958 |
| SRR11487933 | 40        | 0.9174 | 0.0019 | 8.6245 | 0.8090 | 0.0047 | 100.0000 | 4.0933 |
| SRR11487934 | 38        | 0.9144 | 0.0020 | 8.8840 | 0.8063 | 0.0050 | 100.0000 | 4.0552 |
| SRR11487935 | 41        | 0.9205 | 0.0018 | 8.6143 | 0.8115 | 0.0046 | 100.0000 | 4.1729 |
| Average     | 39        | 0.9142 | 0.0020 | 8.8196 | 0.8051 | 0.0050 | 100.0000 | 4.0655 |

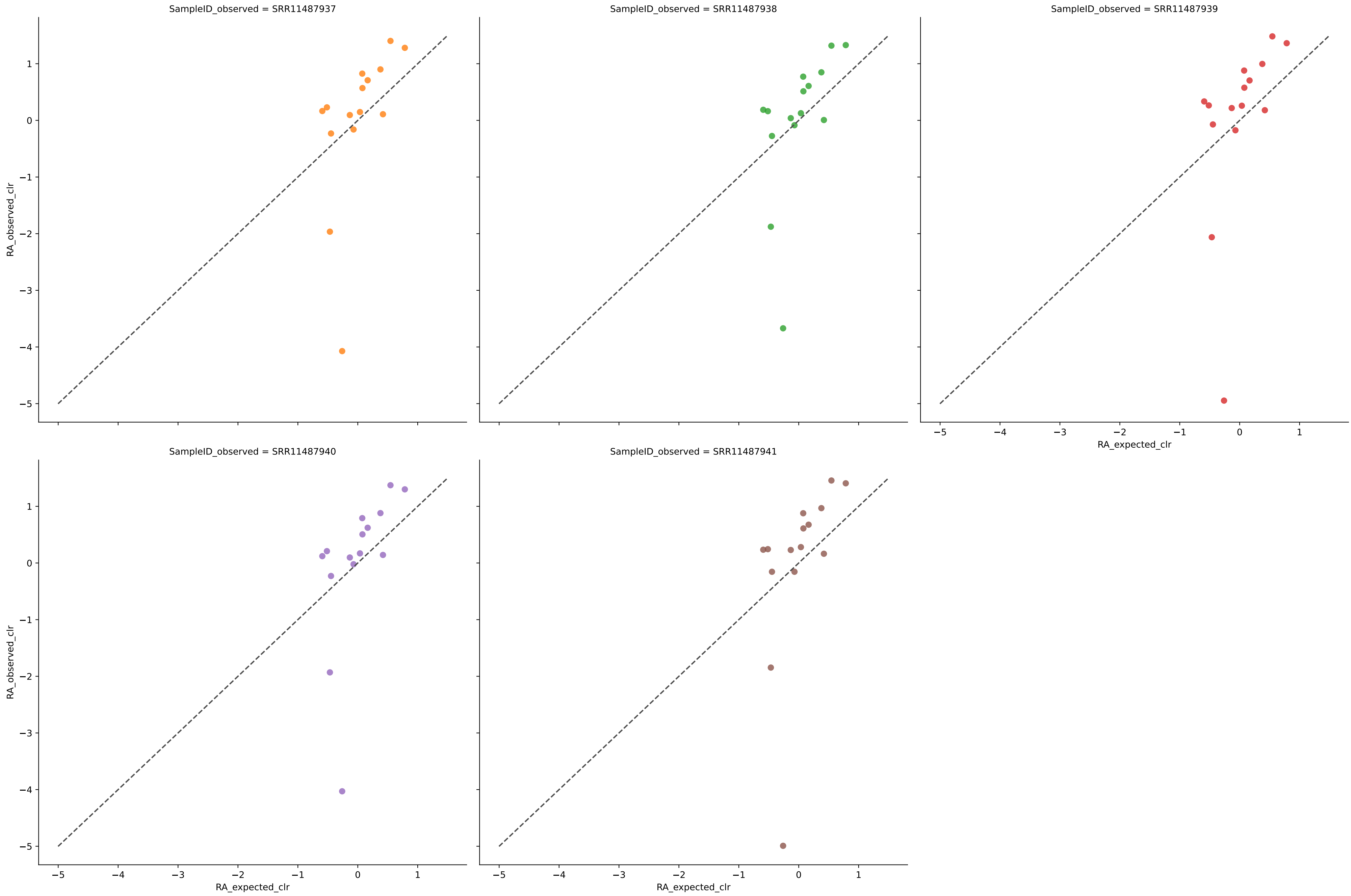


Expected vs. Observed Relative Abundance for species using wol in Experiment Amos hilo with filter 0.0001



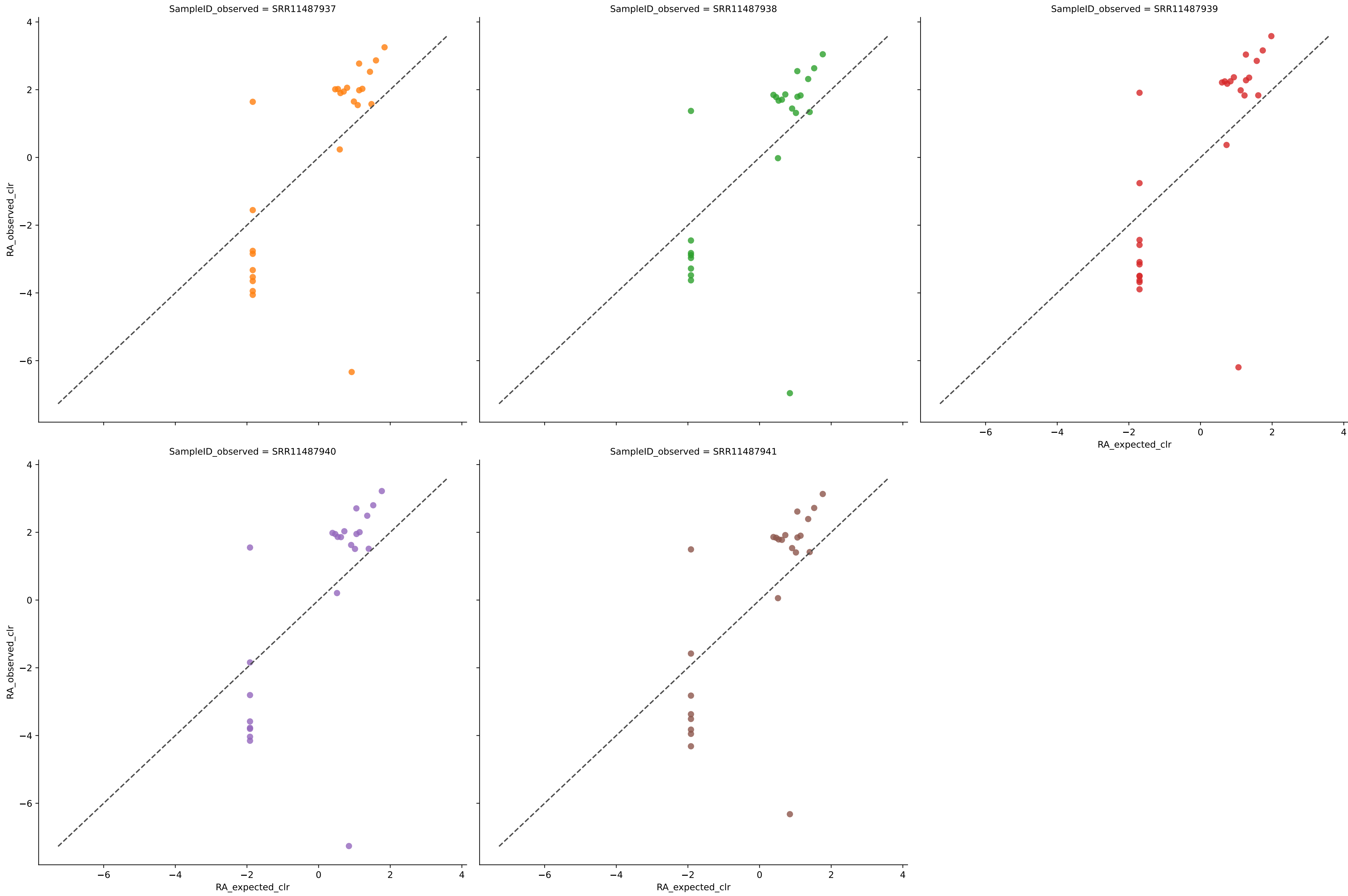
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR11487931 | 132       | 0.3933 | 0.0014 | 15.3644 | 0.5358 | 0.0061 | 100.0000 | 22.3368 |
| SRR11487932 | 136       | 0.3782 | 0.0014 | 15.6193 | 0.5279 | 0.0061 | 100.0000 | 22.5242 |
| SRR11487933 | 136       | 0.3874 | 0.0014 | 15.3812 | 0.5362 | 0.0060 | 100.0000 | 22.2556 |
| SRR11487934 | 135       | 0.4006 | 0.0014 | 15.3556 | 0.5421 | 0.0060 | 100.0000 | 22.0471 |
| SRR11487935 | 137       | 0.3946 | 0.0013 | 15.3100 | 0.5413 | 0.0060 | 100.0000 | 22.0347 |
| Average     | 135       | 0.3908 | 0.0014 | 15.4061 | 0.5367 | 0.0060 | 100.0000 | 22.2397 |

Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos mixed with filter 0.0001



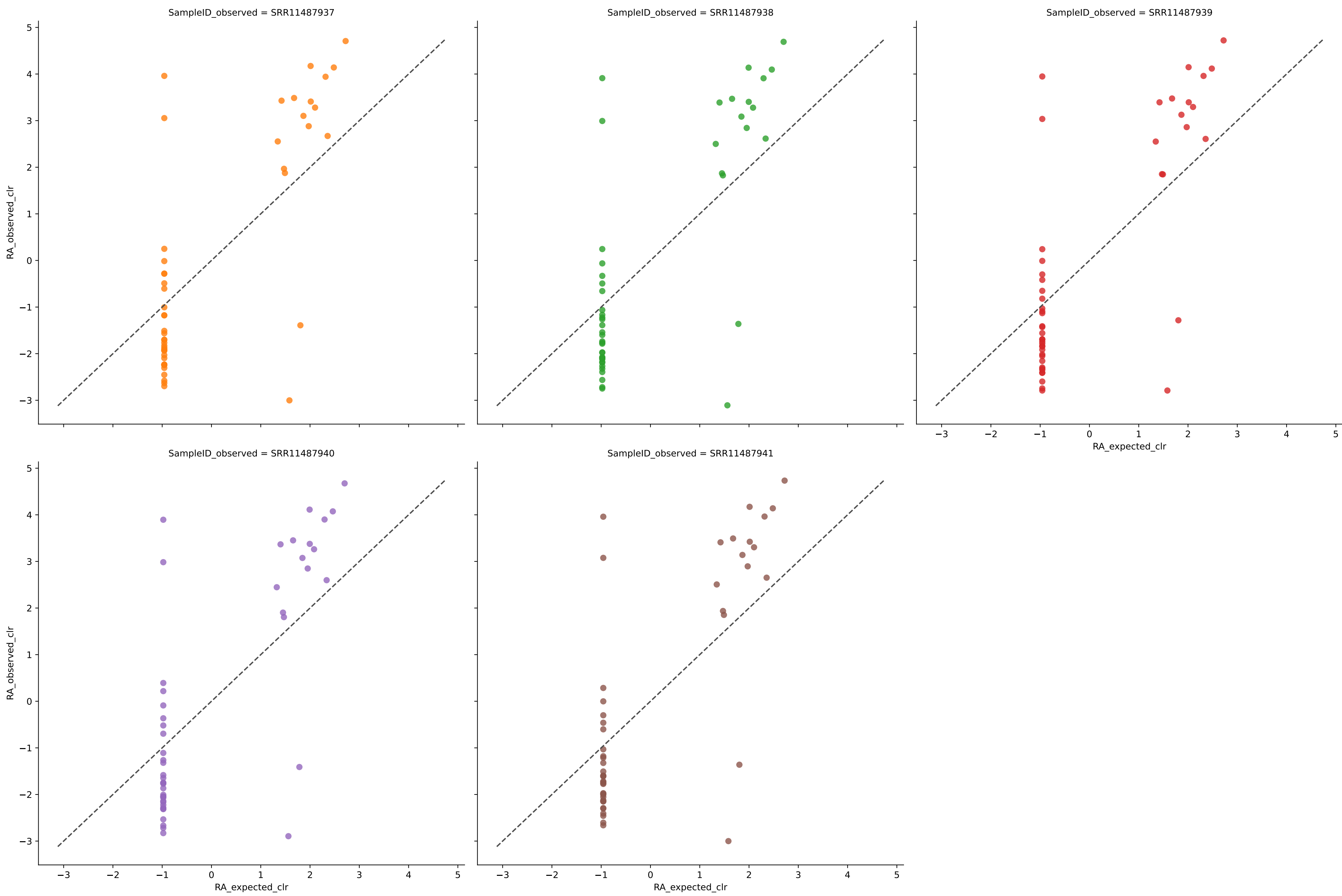
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 15        | 0.6595 | 0.0047 | 4.5249 | 0.8220 | 0.0058 | 100.0000 | 0.0000 |
| SRR11487938 | 15        | 0.6856 | 0.0047 | 4.1118 | 0.8243 | 0.0057 | 100.0000 | 0.0000 |
| SRR11487939 | 15        | 0.6543 | 0.0046 | 5.3975 | 0.8253 | 0.0059 | 100.0000 | 0.0000 |
| SRR11487940 | 15        | 0.6903 | 0.0044 | 4.4374 | 0.8336 | 0.0055 | 100.0000 | 0.0000 |
| SRR11487941 | 15        | 0.6856 | 0.0046 | 5.3530 | 0.8267 | 0.0058 | 100.0000 | 0.0000 |
| Average     | 15        | 0.6751 | 0.0046 | 4.7649 | 0.8264 | 0.0057 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos mixed with filter 0.0001



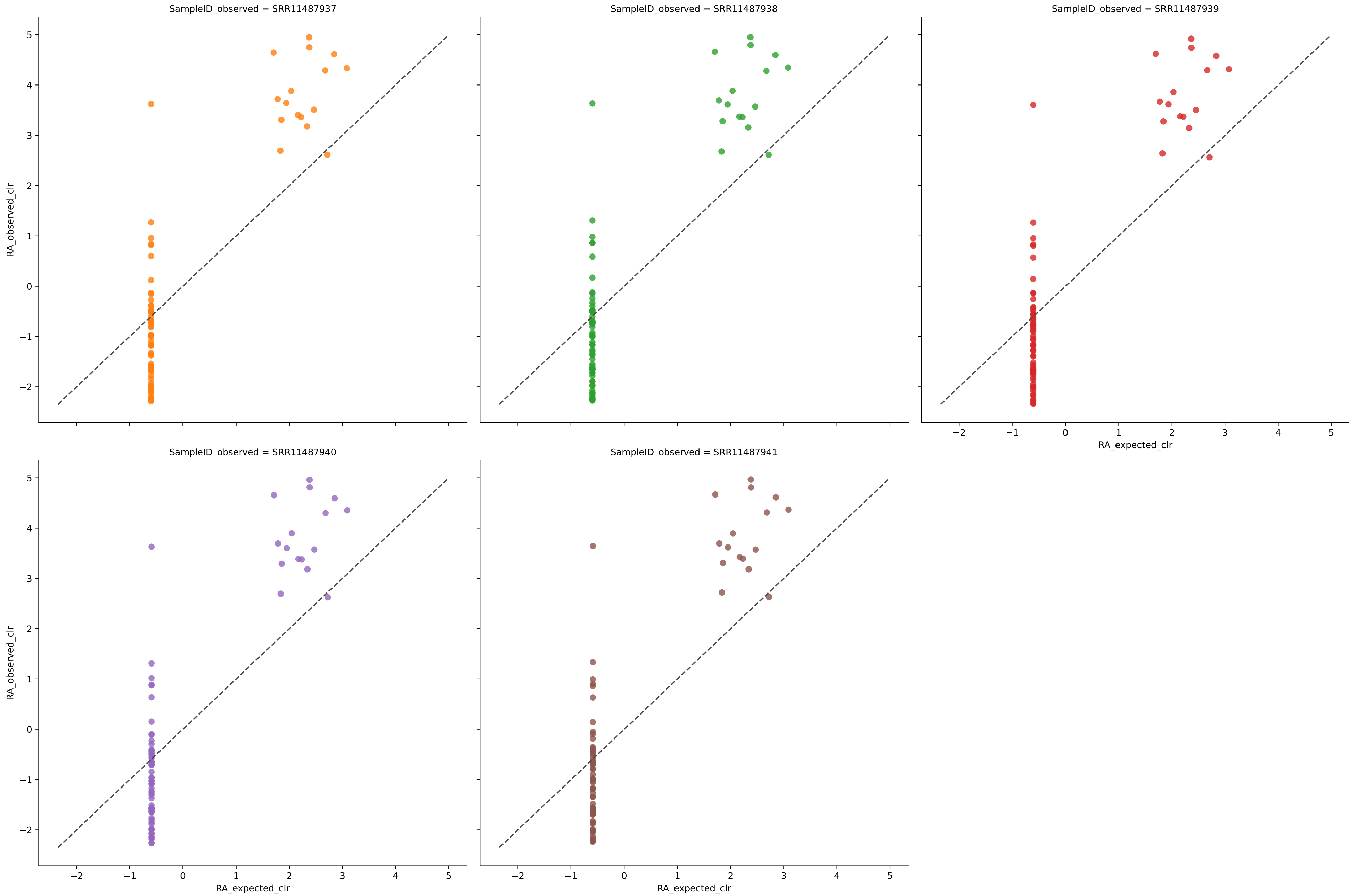
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487937 | 25        | 0.6853 | 0.0034 | 10.1733 | 0.7854 | 0.0050 | 100.0000 | 3.8845 |
| SRR11487938 | 24        | 0.6760 | 0.0036 | 9.8751  | 0.7860 | 0.0051 | 100.0000 | 3.6807 |
| SRR11487939 | 27        | 0.7083 | 0.0031 | 10.7082 | 0.7877 | 0.0048 | 93.7500  | 3.9120 |
| SRR11487940 | 24        | 0.6800 | 0.0035 | 10.8538 | 0.7879 | 0.0051 | 100.0000 | 3.6508 |
| SRR11487941 | 24        | 0.6769 | 0.0036 | 9.9669  | 0.7864 | 0.0051 | 100.0000 | 3.8498 |
| Average     | 25        | 0.6853 | 0.0034 | 10.3155 | 0.7867 | 0.0050 | 98.7500  | 3.7956 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos mixed with filter 0.0001



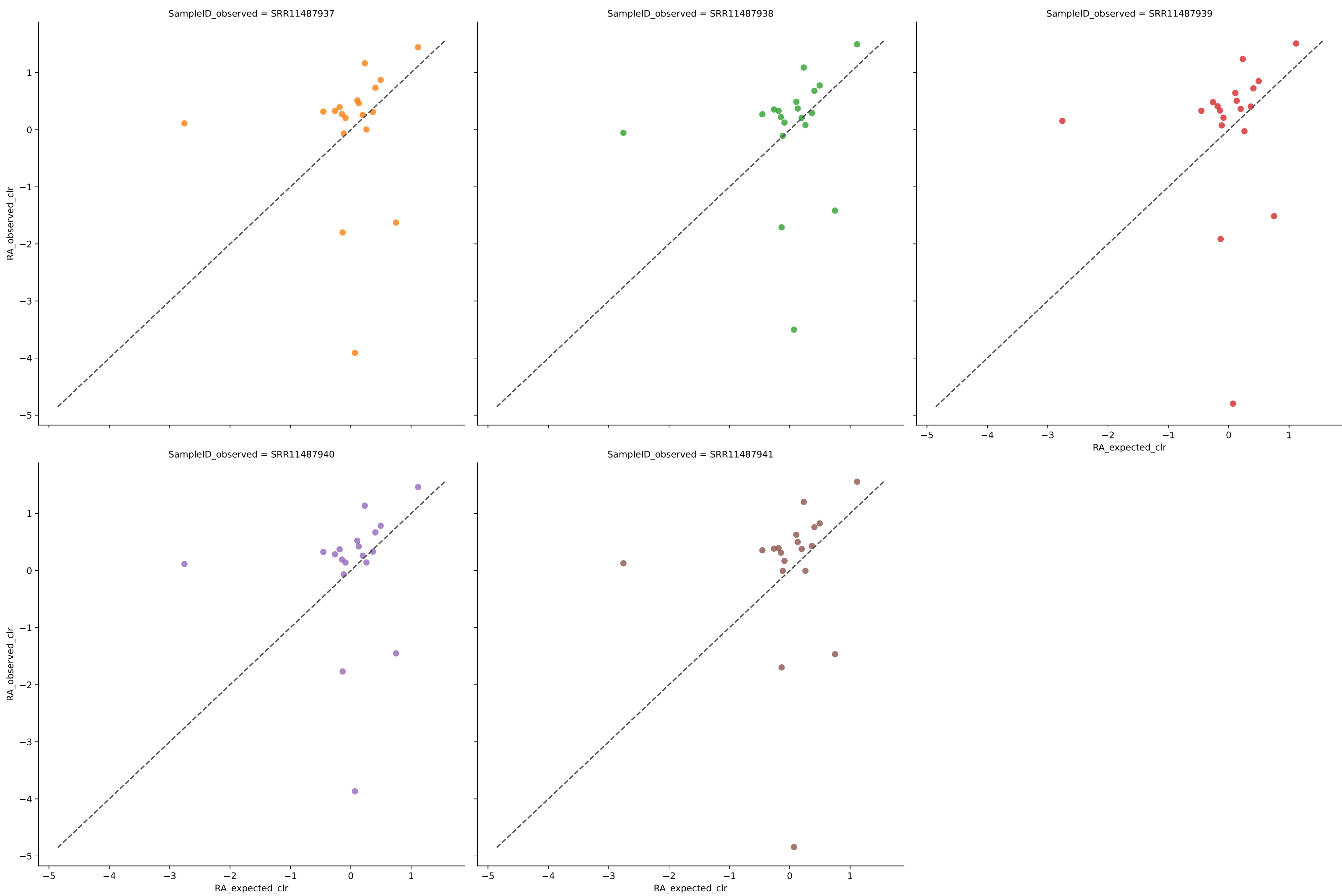
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR11487937 | 48        | 0.6178 | 0.0025 | 11.5093 | 0.7017 | 0.0049 | 100.0000 | 14.3493 |
| SRR11487938 | 47        | 0.6183 | 0.0025 | 11.4005 | 0.7031 | 0.0049 | 100.0000 | 14.0208 |
| SRR11487939 | 48        | 0.6172 | 0.0025 | 11.3514 | 0.7006 | 0.0049 | 100.0000 | 14.2693 |
| SRR11487940 | 47        | 0.6187 | 0.0025 | 11.4725 | 0.7028 | 0.0049 | 100.0000 | 14.2064 |
| SRR11487941 | 48        | 0.6184 | 0.0025 | 11.4137 | 0.7013 | 0.0049 | 100.0000 | 14.2590 |
| Average     | 48        | 0.6181 | 0.0025 | 11.4295 | 0.7019 | 0.0049 | 100.0000 | 14.2209 |

Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos mixed with filter 0.0001



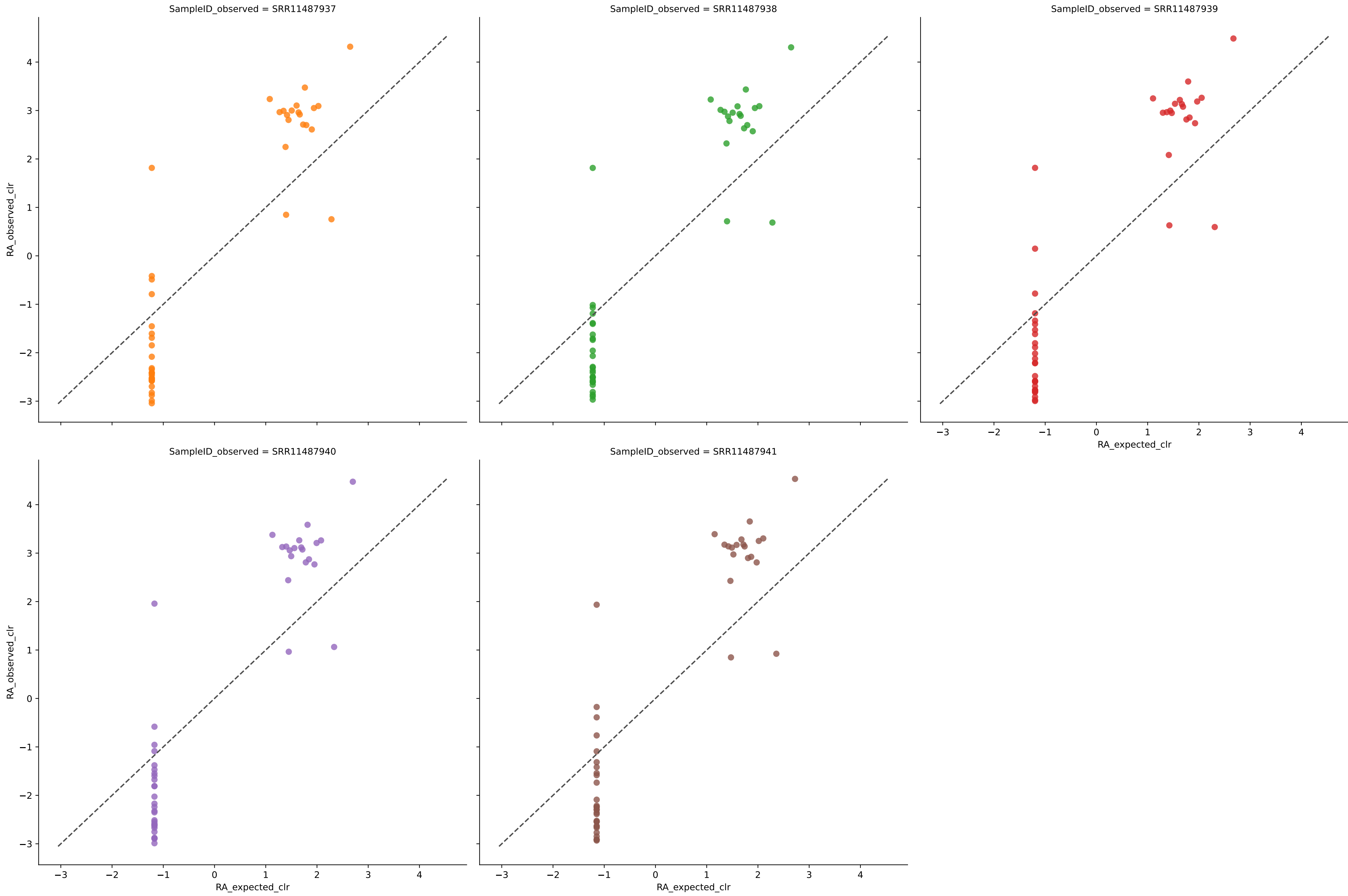
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487937 | 77        | 0.5972 | 0.0015 | 11.0563 | 0.7090 | 0.0039 | 100.0000 | 7.0799 |
| SRR11487938 | 77        | 0.5910 | 0.0015 | 11.1175 | 0.7049 | 0.0039 | 100.0000 | 7.1348 |
| SRR11487939 | 76        | 0.5970 | 0.0015 | 10.9881 | 0.7107 | 0.0039 | 100.0000 | 7.0896 |
| SRR11487940 | 78        | 0.5934 | 0.0015 | 11.0993 | 0.7050 | 0.0039 | 100.0000 | 7.1597 |
| SRR11487941 | 78        | 0.5957 | 0.0015 | 11.1753 | 0.7075 | 0.0039 | 100.0000 | 7.1605 |
| Average     | 77        | 0.5949 | 0.0015 | 11.0873 | 0.7074 | 0.0039 | 100.0000 | 7.1249 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos mixed with filter 0.0001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 19        | 0.2750 | 0.0046 | 5.9654 | 0.7820 | 0.0062 | 100.0000 | 3.9799 |
| SRR11487938 | 19        | 0.3349 | 0.0044 | 5.4644 | 0.7892 | 0.0060 | 100.0000 | 3.4926 |
| SRR11487939 | 19        | 0.2702 | 0.0045 | 6.6548 | 0.7857 | 0.0062 | 100.0000 | 3.9371 |
| SRR11487940 | 19        | 0.2963 | 0.0043 | 5.8315 | 0.7928 | 0.0061 | 100.0000 | 4.0588 |
| SRR11487941 | 19        | 0.3061 | 0.0044 | 6.5860 | 0.7880 | 0.0061 | 100.0000 | 3.8522 |
| Average     | 19        | 0.2965 | 0.0045 | 6.1004 | 0.7876 | 0.0061 | 100.0000 | 3.8641 |

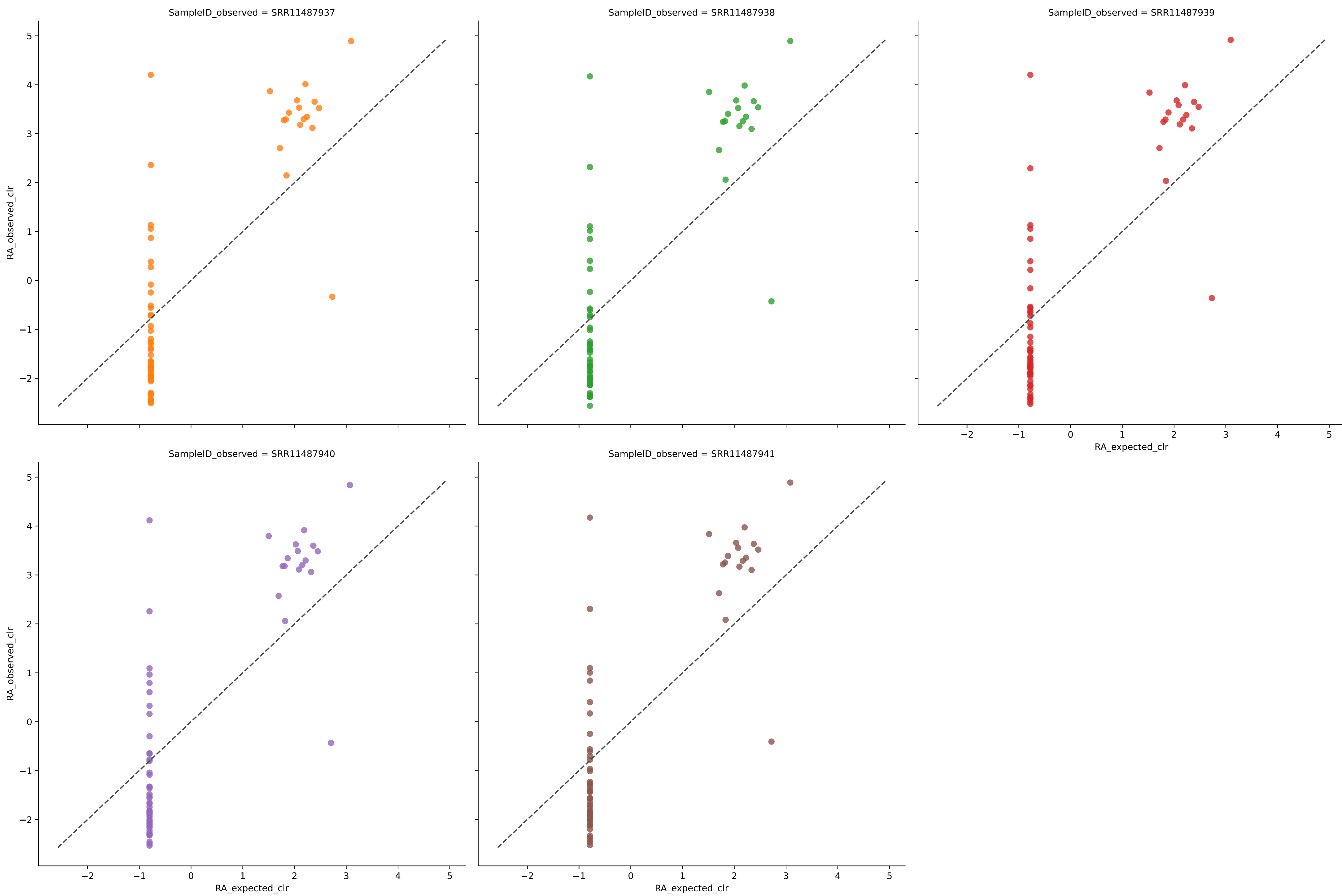
Expected vs. Observed Relative Abundance for species using jams in Experiment Amos mixed with filter 0.0001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 45        | 0.6949 | 0.0019 | 8.9875 | 0.7868 | 0.0038 | 100.0000 | 2.5317 |
| SRR11487938 | 45        | 0.6927 | 0.0019 | 8.6917 | 0.7865 | 0.0039 | 100.0000 | 2.4609 |
| SRR11487939 | 46        | 0.6972 | 0.0018 | 9.3594 | 0.7906 | 0.0038 | 100.0000 | 2.3941 |
| SRR11487940 | 47        | 0.7053 | 0.0018 | 9.2578 | 0.7897 | 0.0038 | 100.0000 | 2.4132 |
| SRR11487941 | 48        | 0.7046 | 0.0018 | 9.5188 | 0.7895 | 0.0037 | 100.0000 | 2.4703 |
| Average     | 46        | 0.6990 | 0.0018 | 9.1631 | 0.7886 | 0.0038 | 100.0000 | 2.4540 |

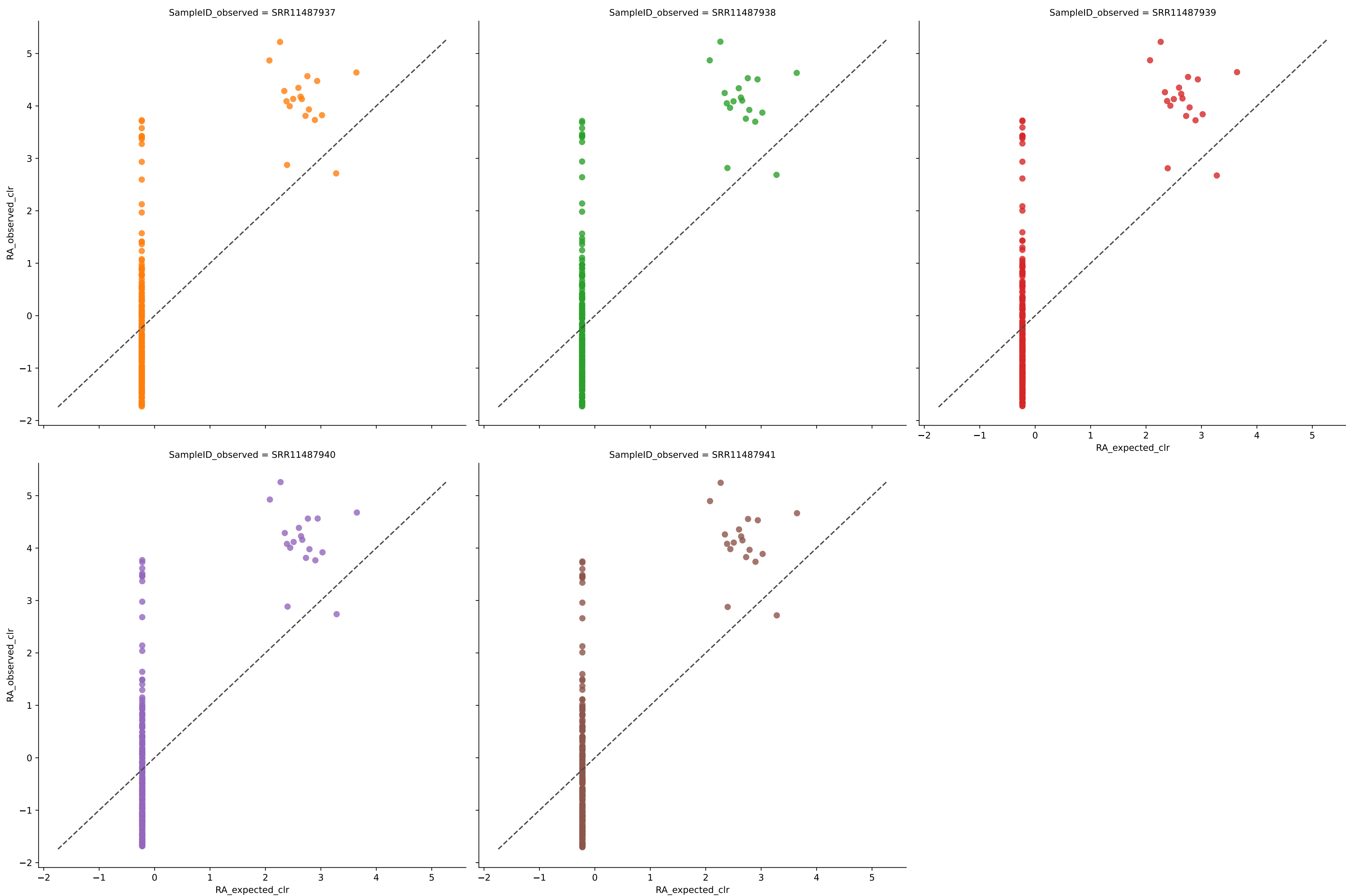


Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos mixed with filter 0.0001



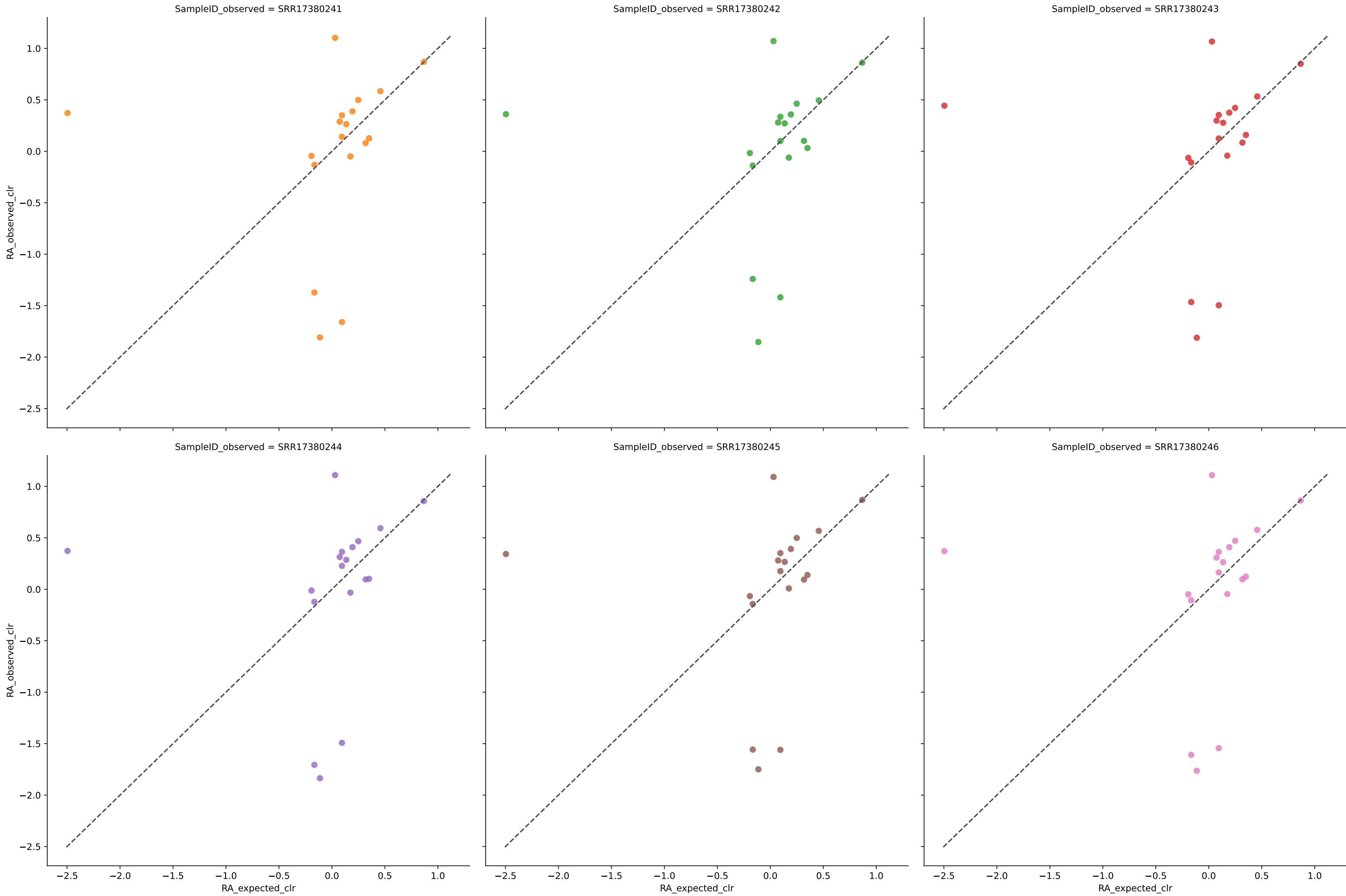
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR11487937 | 64        | 0.5933 | 0.0017 | 11.4619 | 0.7328 | 0.0041 | 100.0000 | 14.2288 |
| SRR11487938 | 63        | 0.5954 | 0.0017 | 11.3365 | 0.7334 | 0.0042 | 100.0000 | 13.9374 |
| SRR11487939 | 64        | 0.5961 | 0.0017 | 11.3819 | 0.7333 | 0.0042 | 100.0000 | 14.0539 |
| SRR11487940 | 62        | 0.5951 | 0.0017 | 11.3700 | 0.7335 | 0.0042 | 100.0000 | 14.1164 |
| SRR11487941 | 63        | 0.5957 | 0.0017 | 11.2865 | 0.7343 | 0.0042 | 100.0000 | 13.9811 |
| Average     | 63        | 0.5951 | 0.0017 | 11.3674 | 0.7335 | 0.0042 | 100.0000 | 14.0635 |

Expected vs. Observed Relative Abundance for species using wol in Experiment Amos mixed with filter 0.0001



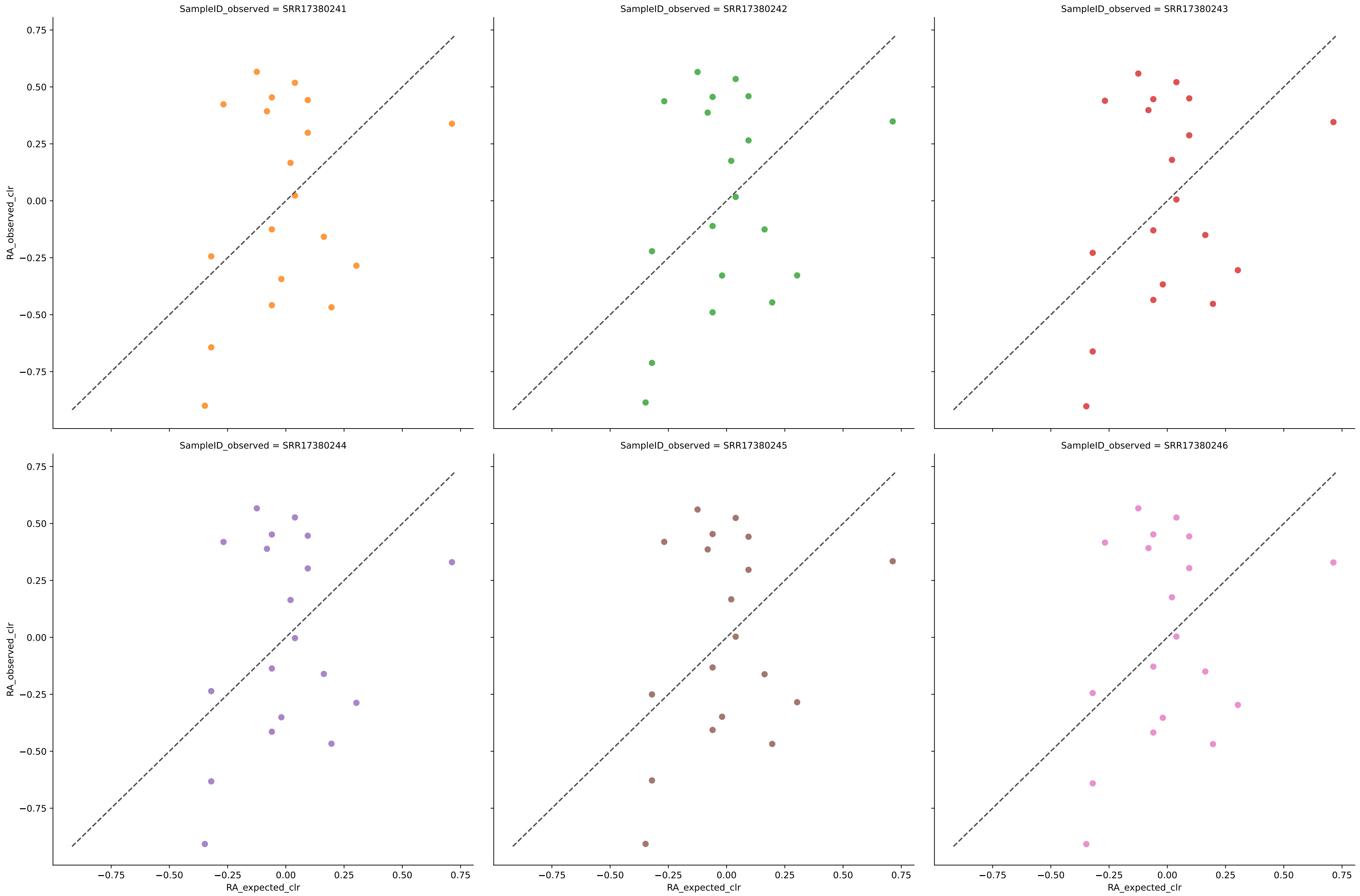
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR11487937 | 227       | 0.5159 | 0.0007 | 18.2253 | 0.6072 | 0.0023 | 100.0000 | 27.0437 |
| SRR11487938 | 228       | 0.5100 | 0.0007 | 18.3025 | 0.6017 | 0.0023 | 100.0000 | 27.5548 |
| SRR11487939 | 228       | 0.5178 | 0.0007 | 18.2743 | 0.6089 | 0.0023 | 100.0000 | 27.0753 |
| SRR11487940 | 236       | 0.5146 | 0.0007 | 18.6713 | 0.6019 | 0.0023 | 100.0000 | 27.6889 |
| SRR11487941 | 233       | 0.5153 | 0.0007 | 18.5325 | 0.6033 | 0.0023 | 100.0000 | 27.5963 |
| Average     | 230       | 0.5147 | 0.0007 | 18.4012 | 0.6046 | 0.0023 | 100.0000 | 27.3918 |

Expected vs. Observed Relative Abundance for genus using bio4 in Experiment tourlousse with filter 0.001



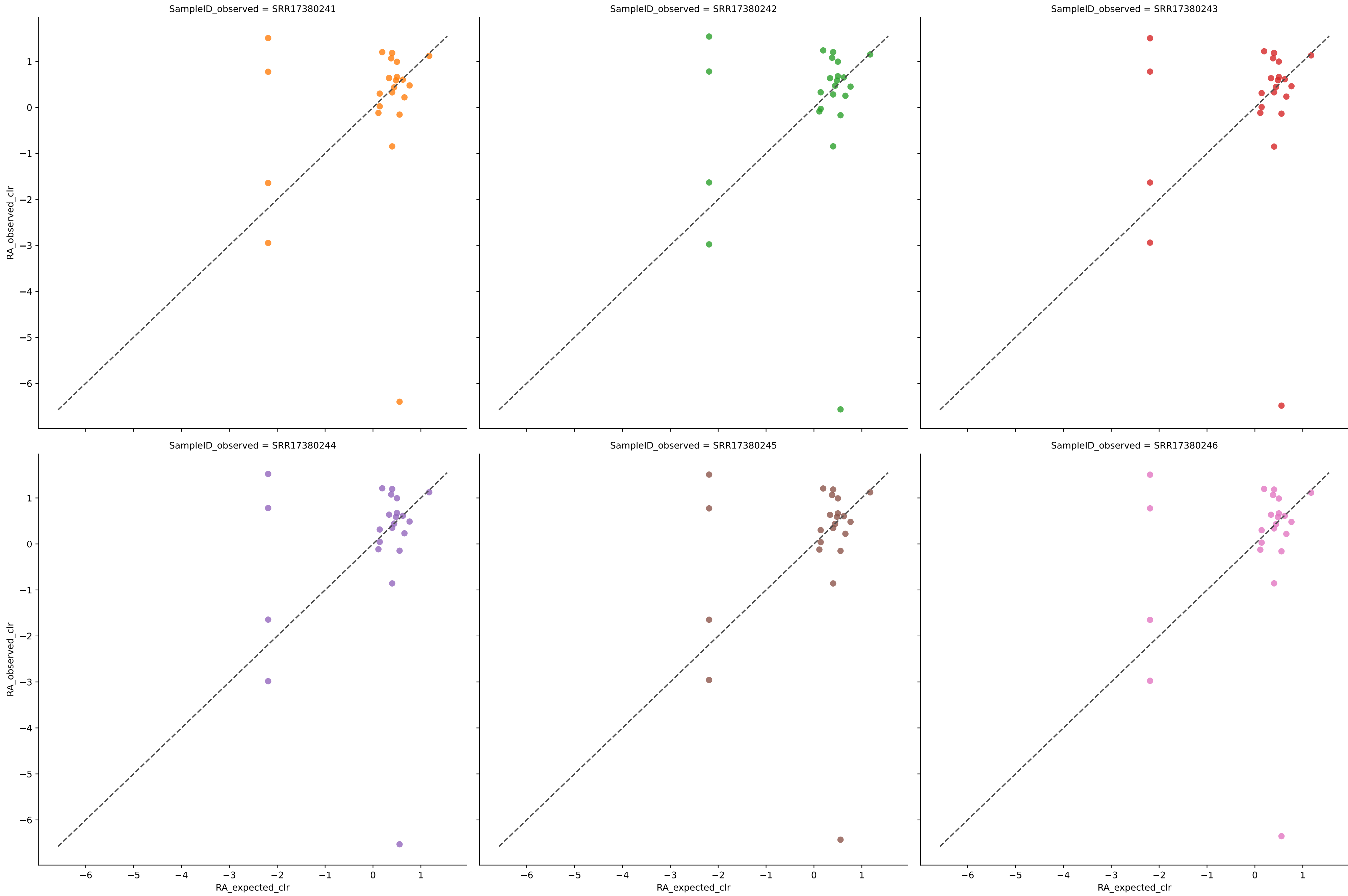
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 18        | 0.1320         | 0.0034 | 4.1482 | 0.8153 | 0.0051 | 100.0000 | 6.4245 |
| SRR17380242 | 18        | 0.1283         | 0.0034 | 4.0185 | 0.8171 | 0.0050 | 100.0000 | 6.4792 |
| SRR17380243 | 18        | 0.1142         | 0.0033 | 4.1452 | 0.8193 | 0.0050 | 100.0000 | 6.9590 |
| SRR17380244 | 18        | 0.1262         | 0.0034 | 4.2104 | 0.8121 | 0.0051 | 100.0000 | 6.3814 |
| SRR17380245 | 18        | 0.1433         | 0.0033 | 4.1141 | 0.8202 | 0.0050 | 100.0000 | 6.2467 |
| SRR17380246 | 18        | 0.1287         | 0.0034 | 4.1596 | 0.8156 | 0.0051 | 100.0000 | 6.3996 |
| Average     | 18        | 0.1288         | 0.0034 | 4.1327 | 0.8166 | 0.0050 | 100.0000 | 6.4817 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment tourlousse with filter 0.001



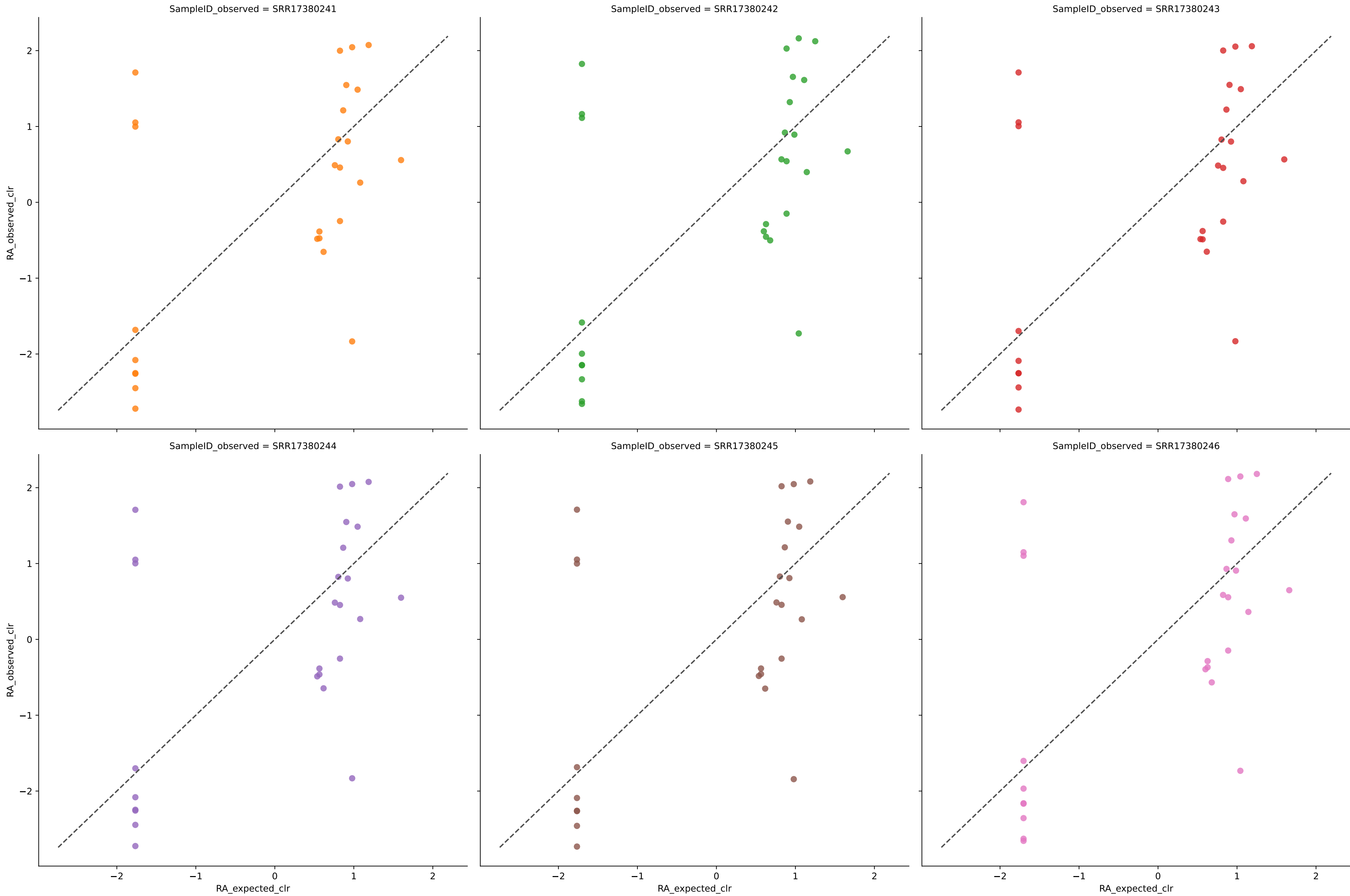
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 19        | 0.0294 | 0.0033 | 1.8893 | 0.8104 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380242 | 19        | 0.0298 | 0.0033 | 1.9110 | 0.8093 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380243 | 19        | 0.0296 | 0.0033 | 1.8964 | 0.8091 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380244 | 19        | 0.0276 | 0.0033 | 1.8859 | 0.8093 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380245 | 19        | 0.0291 | 0.0033 | 1.8776 | 0.8108 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380246 | 19        | 0.0276 | 0.0033 | 1.8902 | 0.8094 | 0.0039 | 100.0000 | 0.0000 |
| Average     | 19        | 0.0289 | 0.0033 | 1.8917 | 0.8097 | 0.0039 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment tourlousse with filter 0.001



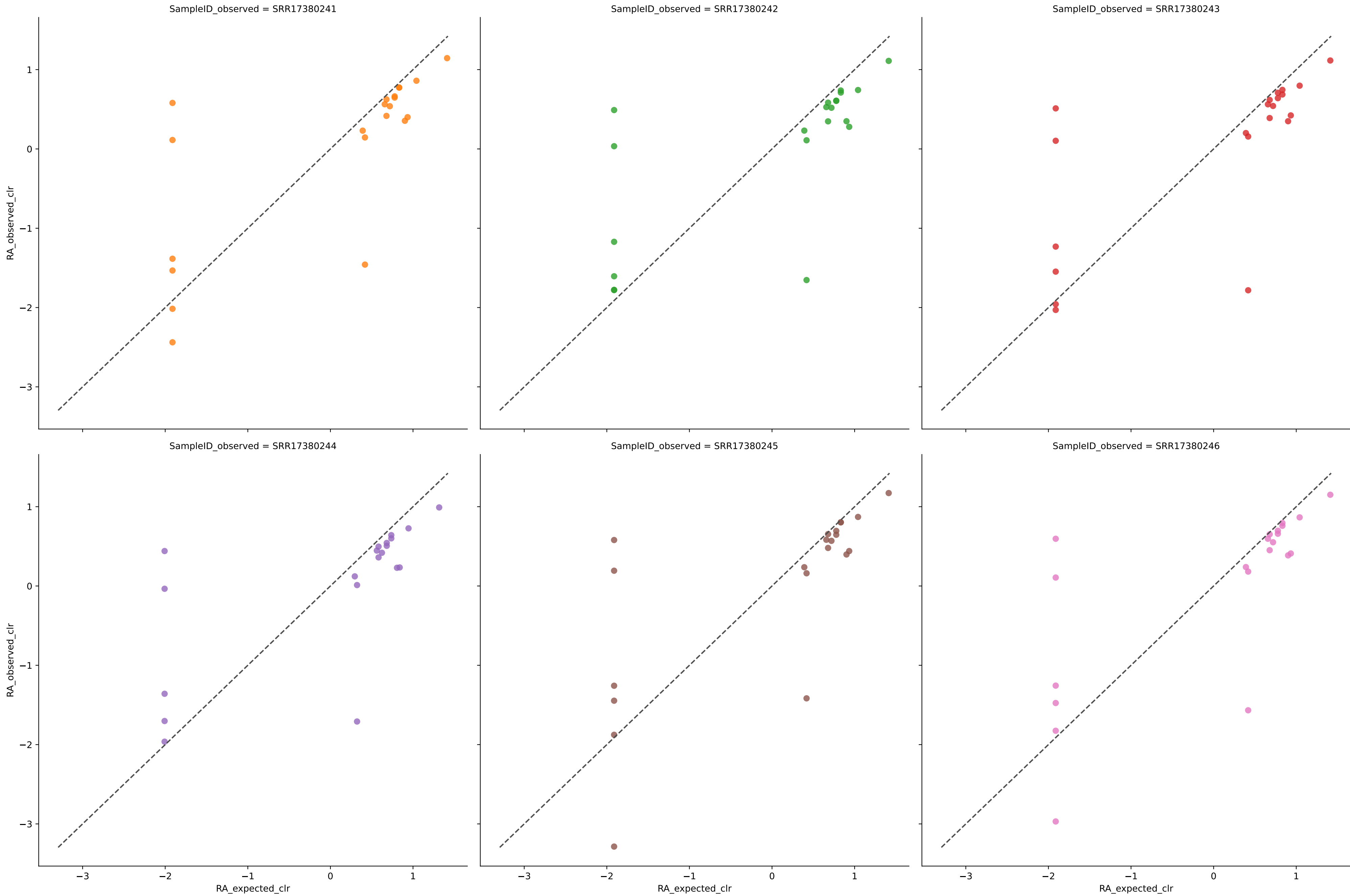
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 23        | 0.0086         | 0.0043 | 8.7524 | 0.7065 | 0.0059 | 100.0000 | 17.3359 |
| SRR17380242 | 23        | 0.0080         | 0.0043 | 8.9126 | 0.7039 | 0.0060 | 100.0000 | 17.4898 |
| SRR17380243 | 23        | 0.0092         | 0.0043 | 8.8206 | 0.7068 | 0.0059 | 100.0000 | 17.2552 |
| SRR17380244 | 23        | 0.0081         | 0.0042 | 8.8695 | 0.7068 | 0.0059 | 100.0000 | 17.3726 |
| SRR17380245 | 23        | 0.0088         | 0.0042 | 8.7777 | 0.7075 | 0.0059 | 100.0000 | 17.3035 |
| SRR17380246 | 23        | 0.0086         | 0.0042 | 8.7181 | 0.7071 | 0.0059 | 100.0000 | 17.3254 |
| Average     | 23        | 0.0086         | 0.0043 | 8.8085 | 0.7064 | 0.0059 | 100.0000 | 17.3471 |

Expected vs. Observed Relative Abundance for genus using woltka in Experiment tourlousse with filter 0.001



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 27        | 0.1205         | 0.0051 | 7.0240 | 0.5835 | 0.0067 | 100.0000 | 19.1731 |
| SRR17380242 | 28        | 0.1374         | 0.0049 | 7.0910 | 0.5842 | 0.0065 | 100.0000 | 19.6496 |
| SRR17380243 | 27        | 0.1205         | 0.0051 | 7.0271 | 0.5834 | 0.0067 | 100.0000 | 19.1861 |
| SRR17380244 | 27        | 0.1202         | 0.0051 | 7.0239 | 0.5827 | 0.0067 | 100.0000 | 19.1145 |
| SRR17380245 | 27        | 0.1207         | 0.0051 | 7.0336 | 0.5827 | 0.0067 | 100.0000 | 19.0719 |
| SRR17380246 | 28        | 0.1385         | 0.0050 | 7.1002 | 0.5821 | 0.0066 | 100.0000 | 19.1682 |
| Average     | 27        | 0.1263         | 0.0051 | 7.0500 | 0.5831 | 0.0066 | 100.0000 | 19.2272 |

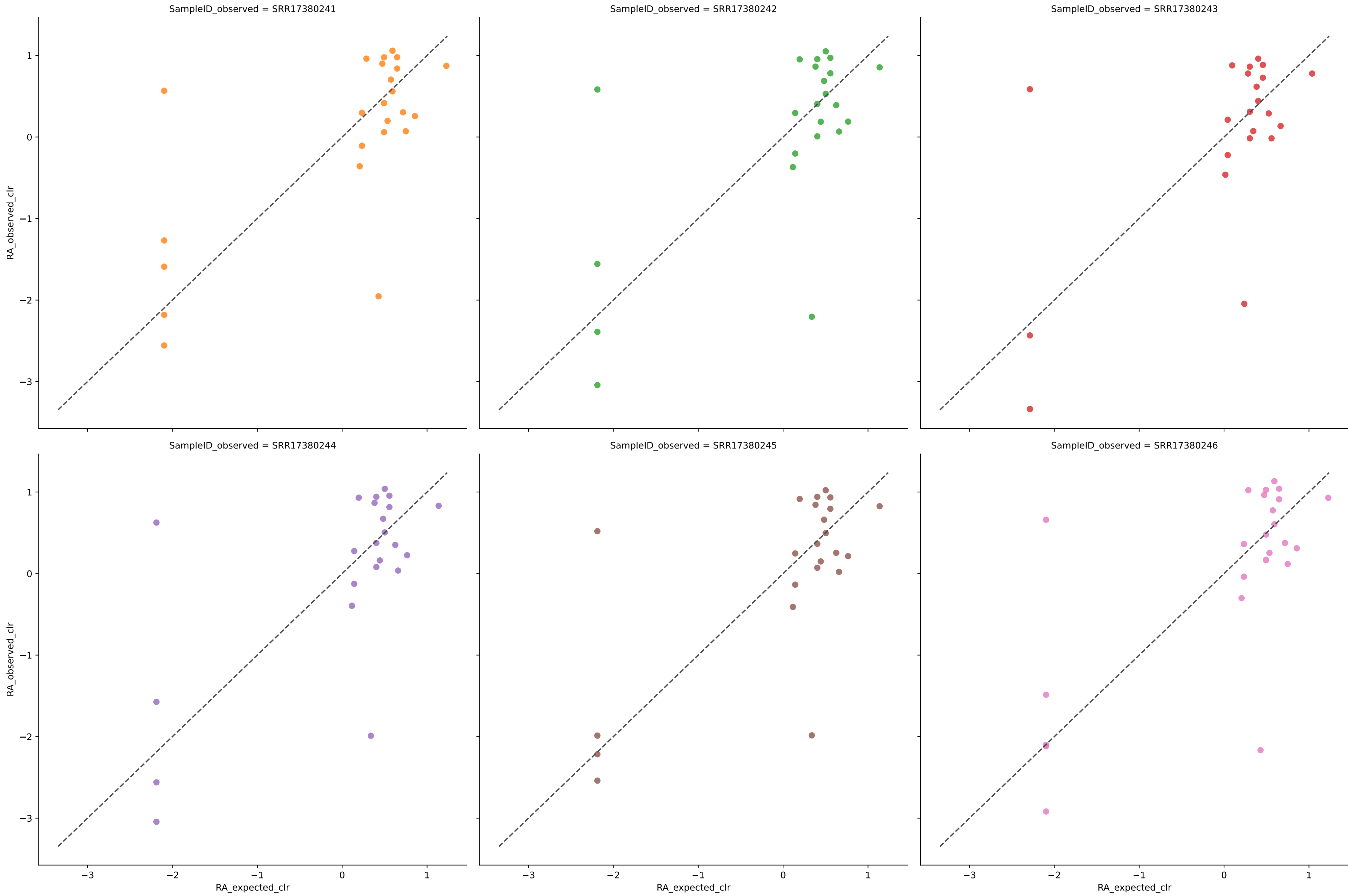
Expected vs. Observed Relative Abundance for species using bio4 in Experiment tourlousse with filter 0.001



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 21        | 0.6519         | 0.0020 | 3.9342 | 0.8687 | 0.0032 | 100.0000 | 12.0932 |
| SRR17380242 | 21        | 0.6551         | 0.0021 | 3.9775 | 0.8632 | 0.0032 | 100.0000 | 12.4079 |
| SRR17380243 | 21        | 0.6593         | 0.0021 | 4.0478 | 0.8664 | 0.0032 | 100.0000 | 12.1881 |
| SRR17380244 | 20        | 0.6101         | 0.0021 | 3.9616 | 0.8702 | 0.0033 | 100.0000 | 11.9340 |
| SRR17380245 | 21        | 0.6556         | 0.0020 | 4.1600 | 0.8693 | 0.0032 | 100.0000 | 12.1487 |
| SRR17380246 | 21        | 0.6504         | 0.0021 | 4.1085 | 0.8677 | 0.0032 | 100.0000 | 12.1056 |
| Average     | 21        | 0.6471         | 0.0021 | 4.0316 | 0.8676 | 0.0032 | 100.0000 | 12.1463 |

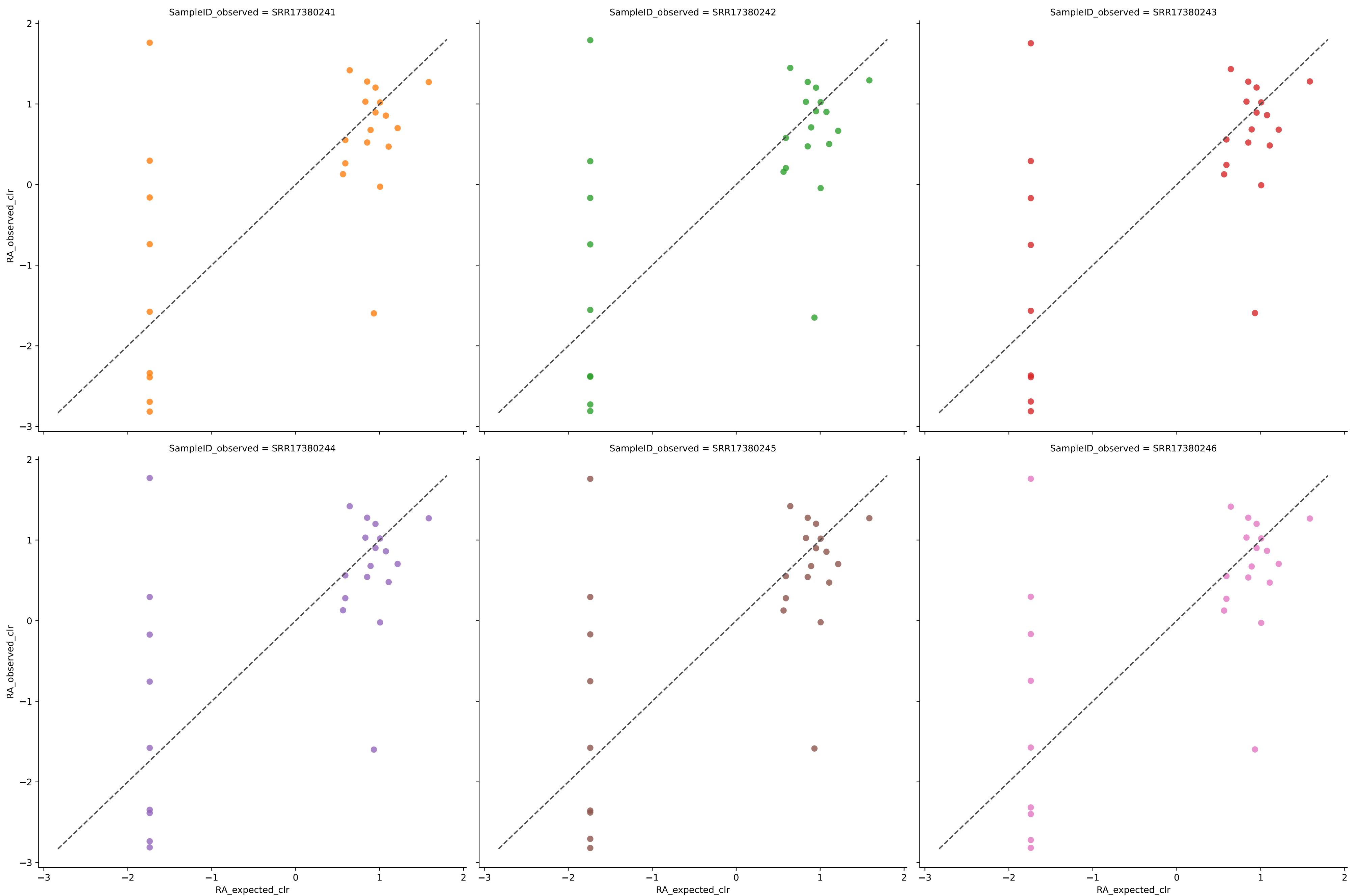


Expected vs. Observed Relative Abundance for species using jams in Experiment tourlousse with filter 0.001



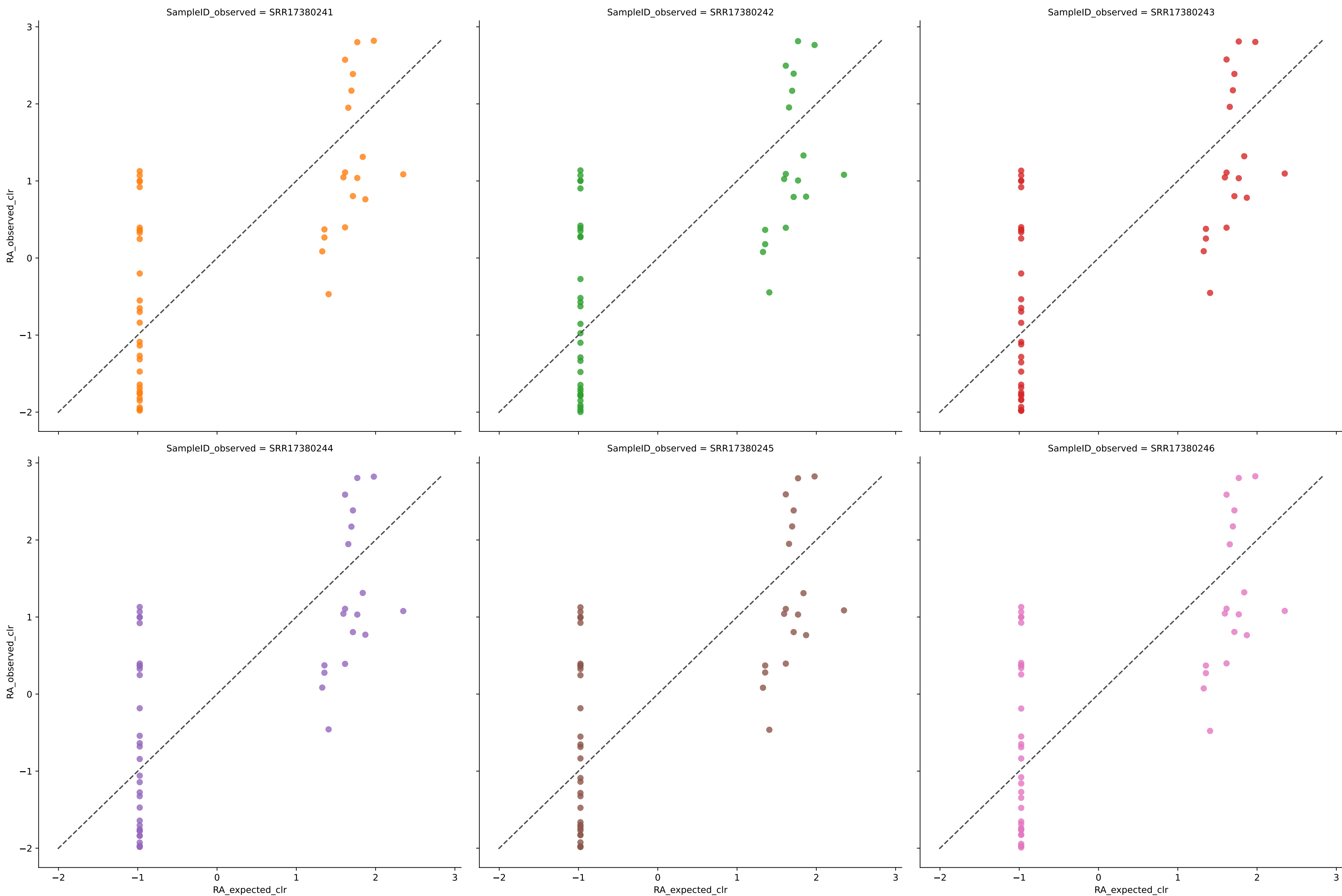
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 24        | 0.3347 | 0.0031 | 4.1294 | 0.7746 | 0.0039 | 100.0000 | 7.0082 |
| SRR17380242 | 23        | 0.2814 | 0.0032 | 4.2897 | 0.7775 | 0.0040 | 100.0000 | 6.3256 |
| SRR17380243 | 22        | 0.2062 | 0.0033 | 4.1980 | 0.7794 | 0.0041 | 100.0000 | 6.1418 |
| SRR17380244 | 23        | 0.2738 | 0.0032 | 4.1924 | 0.7773 | 0.0040 | 100.0000 | 6.5294 |
| SRR17380245 | 23        | 0.2904 | 0.0032 | 3.9896 | 0.7786 | 0.0039 | 100.0000 | 6.0868 |
| SRR17380246 | 24        | 0.3343 | 0.0031 | 4.2944 | 0.7747 | 0.0039 | 100.0000 | 6.6612 |
| Average     | 23        | 0.2868 | 0.0032 | 4.1822 | 0.7770 | 0.0040 | 100.0000 | 6.4588 |

Expected vs. Observed Relative Abundance for species using wgsa in Experiment tourlousse with filter 0.001



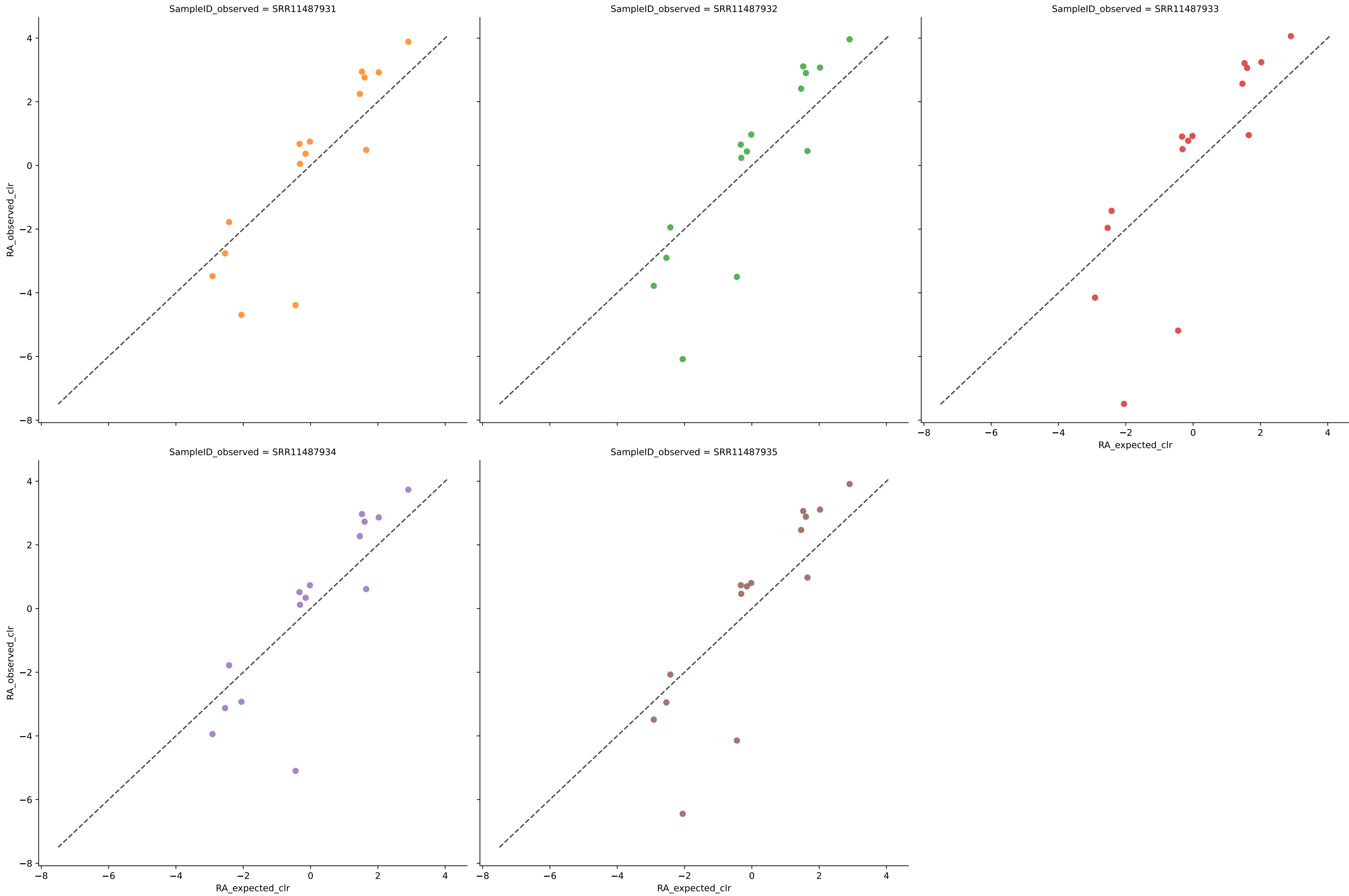
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 26        | 0.1770 | 0.0036 | 5.6897 | 0.7197 | 0.0055 | 100.0000 | 19.3226 |
| SRR17380242 | 26        | 0.1701 | 0.0036 | 5.7434 | 0.7174 | 0.0056 | 100.0000 | 19.4958 |
| SRR17380243 | 26        | 0.1801 | 0.0036 | 5.6799 | 0.7201 | 0.0055 | 100.0000 | 19.1846 |
| SRR17380244 | 26        | 0.1757 | 0.0036 | 5.6916 | 0.7204 | 0.0055 | 100.0000 | 19.3297 |
| SRR17380245 | 26        | 0.1780 | 0.0036 | 5.6788 | 0.7207 | 0.0055 | 100.0000 | 19.2688 |
| SRR17380246 | 26        | 0.1775 | 0.0036 | 5.6892 | 0.7204 | 0.0055 | 100.0000 | 19.3013 |
| Average     | 26        | 0.1764 | 0.0036 | 5.6954 | 0.7198 | 0.0055 | 100.0000 | 19.3171 |

Expected vs. Observed Relative Abundance for species using woltka in Experiment tourlousse with filter 0.001



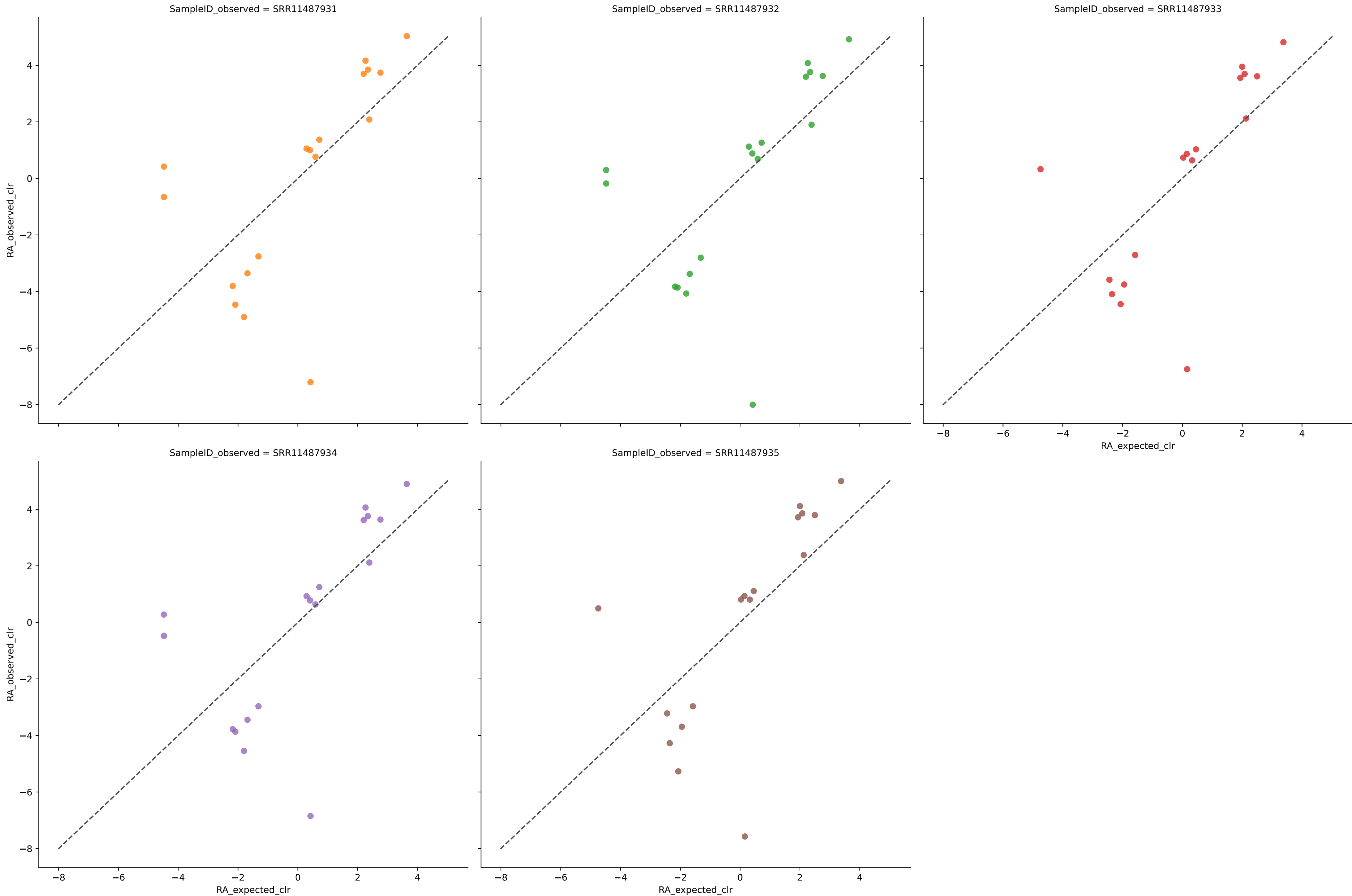
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 49        | 0.3542         | 0.0031 | 7.4409 | 0.5489 | 0.0045 | 100.0000 | 21.4845 |
| SRR17380242 | 49        | 0.3559         | 0.0030 | 7.4456 | 0.5500 | 0.0044 | 100.0000 | 21.8792 |
| SRR17380243 | 49        | 0.3548         | 0.0031 | 7.4568 | 0.5491 | 0.0045 | 100.0000 | 21.5016 |
| SRR17380244 | 49        | 0.3524         | 0.0031 | 7.4592 | 0.5481 | 0.0045 | 100.0000 | 21.4798 |
| SRR17380245 | 49        | 0.3530         | 0.0031 | 7.4499 | 0.5481 | 0.0045 | 100.0000 | 21.4445 |
| SRR17380246 | 49        | 0.3525         | 0.0031 | 7.4664 | 0.5481 | 0.0045 | 100.0000 | 21.4827 |
| Average     | 49        | 0.3538         | 0.0031 | 7.4531 | 0.5487 | 0.0045 | 100.0000 | 21.5454 |

Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos hilo with filter 0.001



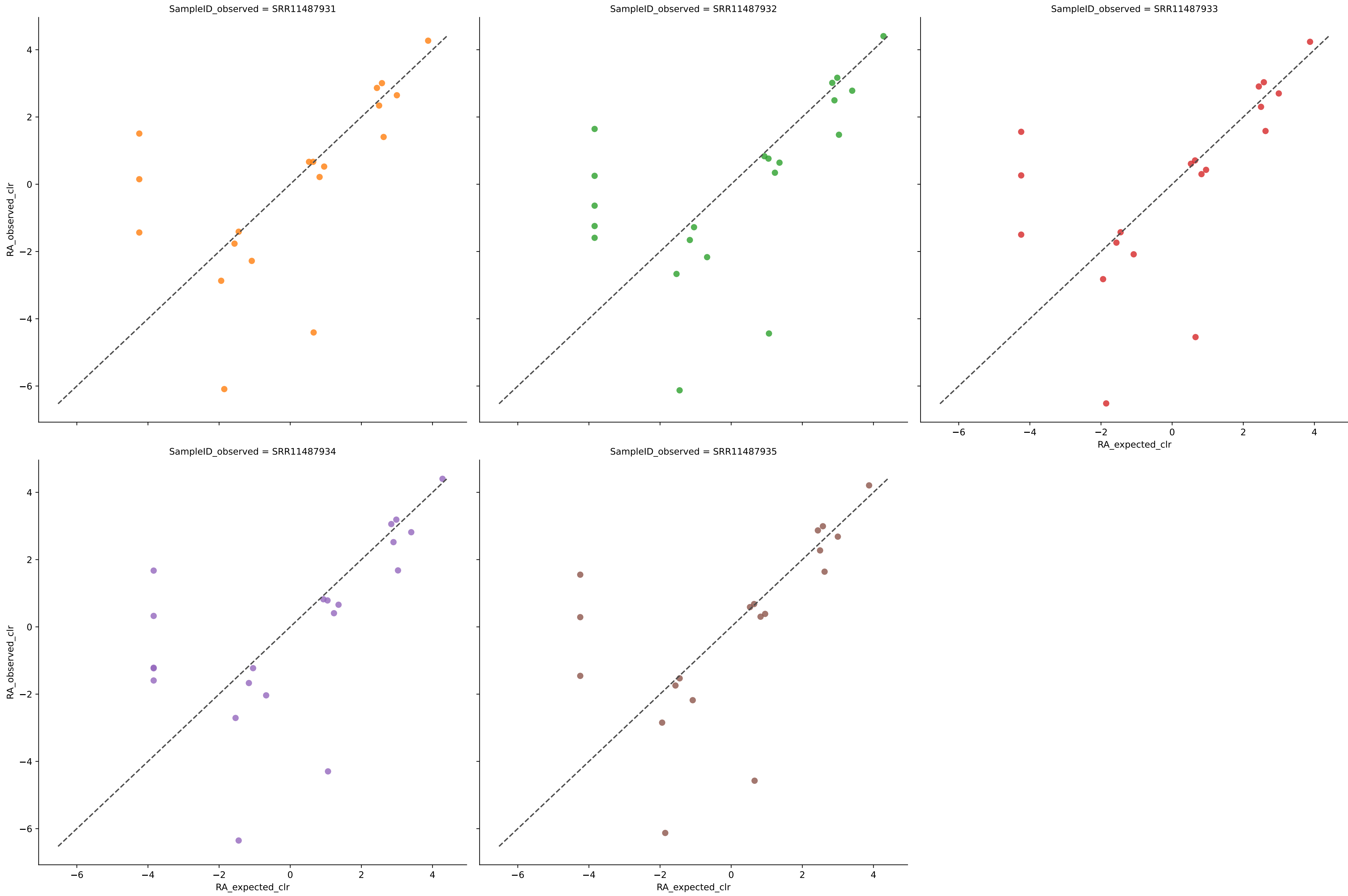
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 15        | 0.9163 | 0.0036 | 5.6916 | 0.8666 | 0.0064 | 100.0000 | 0.0000 |
| SRR11487932 | 15        | 0.9048 | 0.0035 | 6.1663 | 0.8696 | 0.0065 | 93.3333  | 0.0000 |
| SRR11487933 | 15        | 0.9085 | 0.0032 | 8.2673 | 0.8784 | 0.0062 | 93.3333  | 0.0000 |
| SRR11487934 | 15        | 0.8969 | 0.0032 | 5.6939 | 0.8801 | 0.0065 | 100.0000 | 0.0000 |
| SRR11487935 | 15        | 0.9133 | 0.0030 | 6.6628 | 0.8863 | 0.0059 | 93.3333  | 0.0000 |
| Average     | 15        | 0.9080 | 0.0033 | 6.4964 | 0.8762 | 0.0063 | 96.0000  | 0.0000 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos hilo with filter 0.001



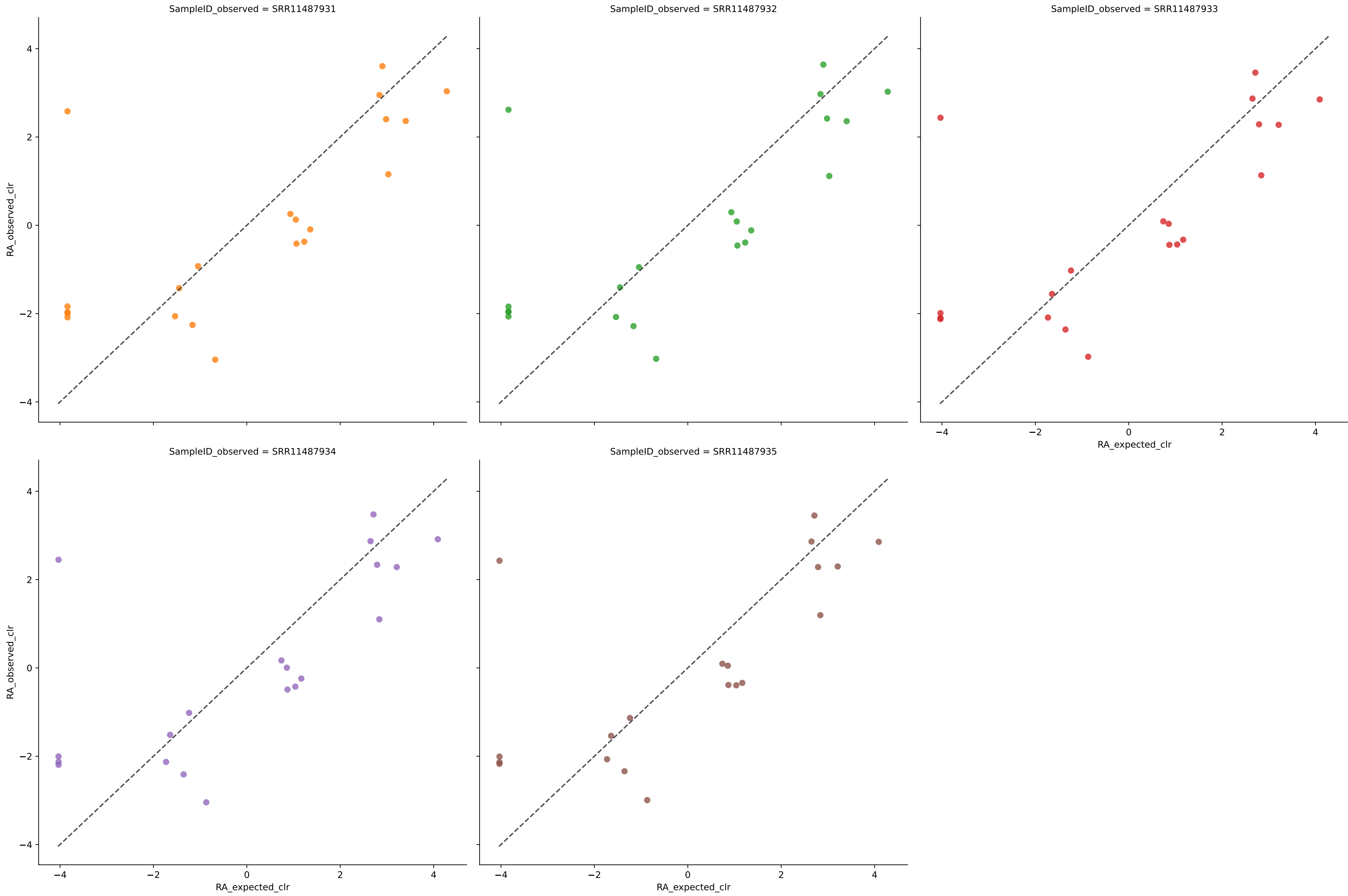
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 18        | 0.9060 | 0.0040 | 11.4916 | 0.8203 | 0.0065 | 93.7500  | 0.5530 |
| SRR11487932 | 18        | 0.8999 | 0.0040 | 11.8083 | 0.8181 | 0.0066 | 100.0000 | 0.6539 |
| SRR11487933 | 17        | 0.9121 | 0.0040 | 10.0844 | 0.8306 | 0.0062 | 93.7500  | 0.4513 |
| SRR11487934 | 18        | 0.9049 | 0.0039 | 11.0018 | 0.8230 | 0.0063 | 93.7500  | 0.5881 |
| SRR11487935 | 17        | 0.9178 | 0.0039 | 11.1243 | 0.8322 | 0.0061 | 93.7500  | 0.4507 |
| Average     | 18        | 0.9082 | 0.0040 | 11.1021 | 0.8248 | 0.0063 | 95.0000  | 0.5394 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos hilo with filter 0.001



|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 19        | 0.9057 | 0.0043 | 10.4378 | 0.7974 | 0.0071 | 100.0000 | 3.9144 |
| SRR11487932 | 21        | 0.9050 | 0.0039 | 11.3680 | 0.7945 | 0.0067 | 100.0000 | 4.2886 |
| SRR11487933 | 19        | 0.9119 | 0.0041 | 10.6993 | 0.8036 | 0.0066 | 100.0000 | 4.1423 |
| SRR11487934 | 21        | 0.9106 | 0.0038 | 11.2435 | 0.8012 | 0.0064 | 100.0000 | 4.2223 |
| SRR11487935 | 19        | 0.9151 | 0.0041 | 10.5736 | 0.8067 | 0.0065 | 100.0000 | 4.2589 |
| Average     | 20        | 0.9097 | 0.0040 | 10.8644 | 0.8007 | 0.0067 | 100.0000 | 4.1653 |

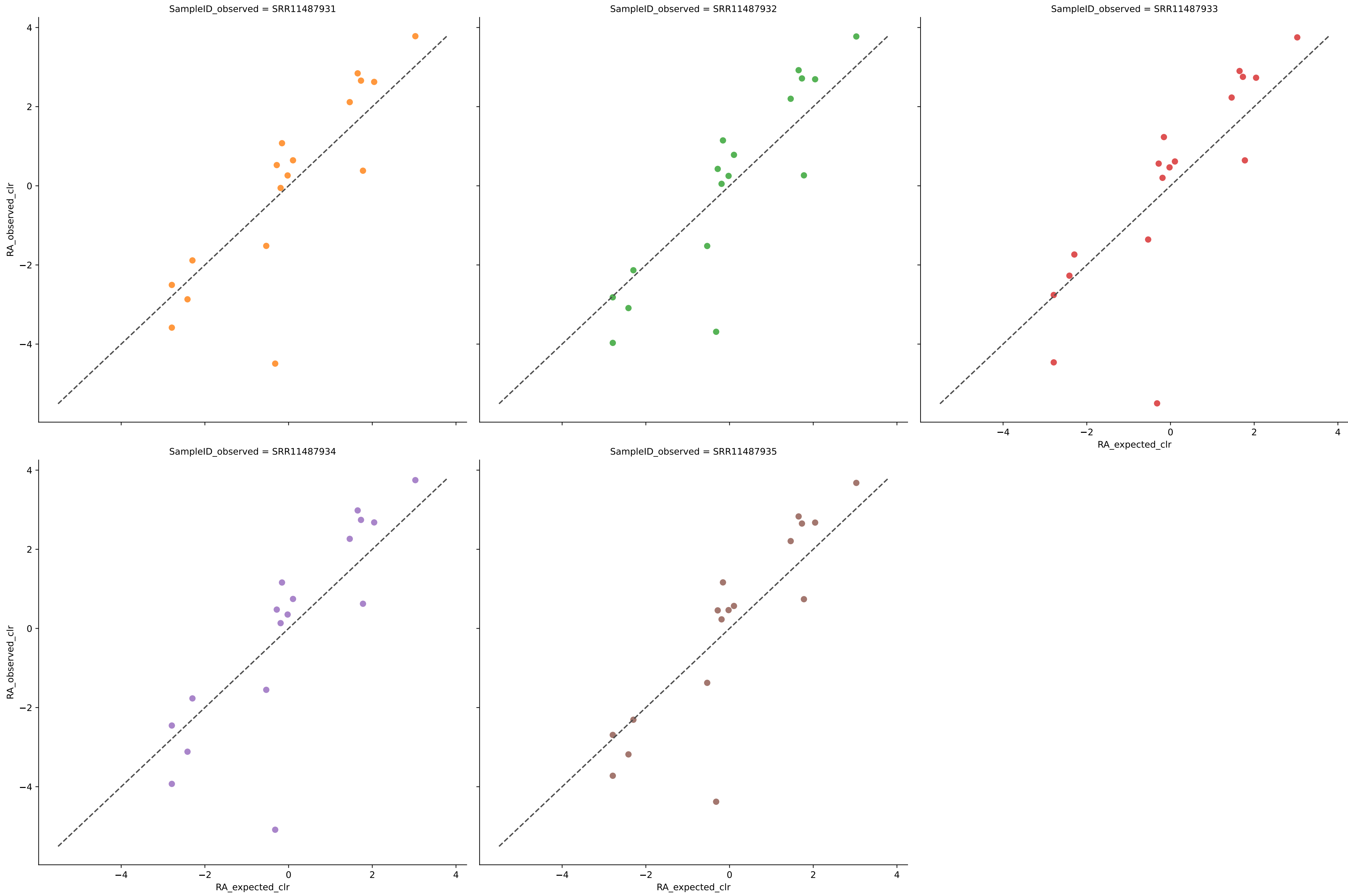
Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos hilo with filter 0.001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487931 | 21        | 0.3648 | 0.0076 | 8.8020 | 0.6028 | 0.0146 | 100.0000 | 11.3960 |
| SRR11487932 | 21        | 0.3461 | 0.0077 | 8.8681 | 0.5941 | 0.0149 | 100.0000 | 11.6104 |
| SRR11487933 | 20        | 0.3458 | 0.0080 | 8.5097 | 0.6020 | 0.0151 | 100.0000 | 11.1211 |
| SRR11487934 | 20        | 0.3624 | 0.0078 | 8.5036 | 0.6084 | 0.0148 | 100.0000 | 11.0020 |
| SRR11487935 | 20        | 0.3532 | 0.0079 | 8.4479 | 0.6070 | 0.0149 | 100.0000 | 11.0145 |
| Average     | 20        | 0.3545 | 0.0078 | 8.6263 | 0.6029 | 0.0149 | 100.0000 | 11.2288 |

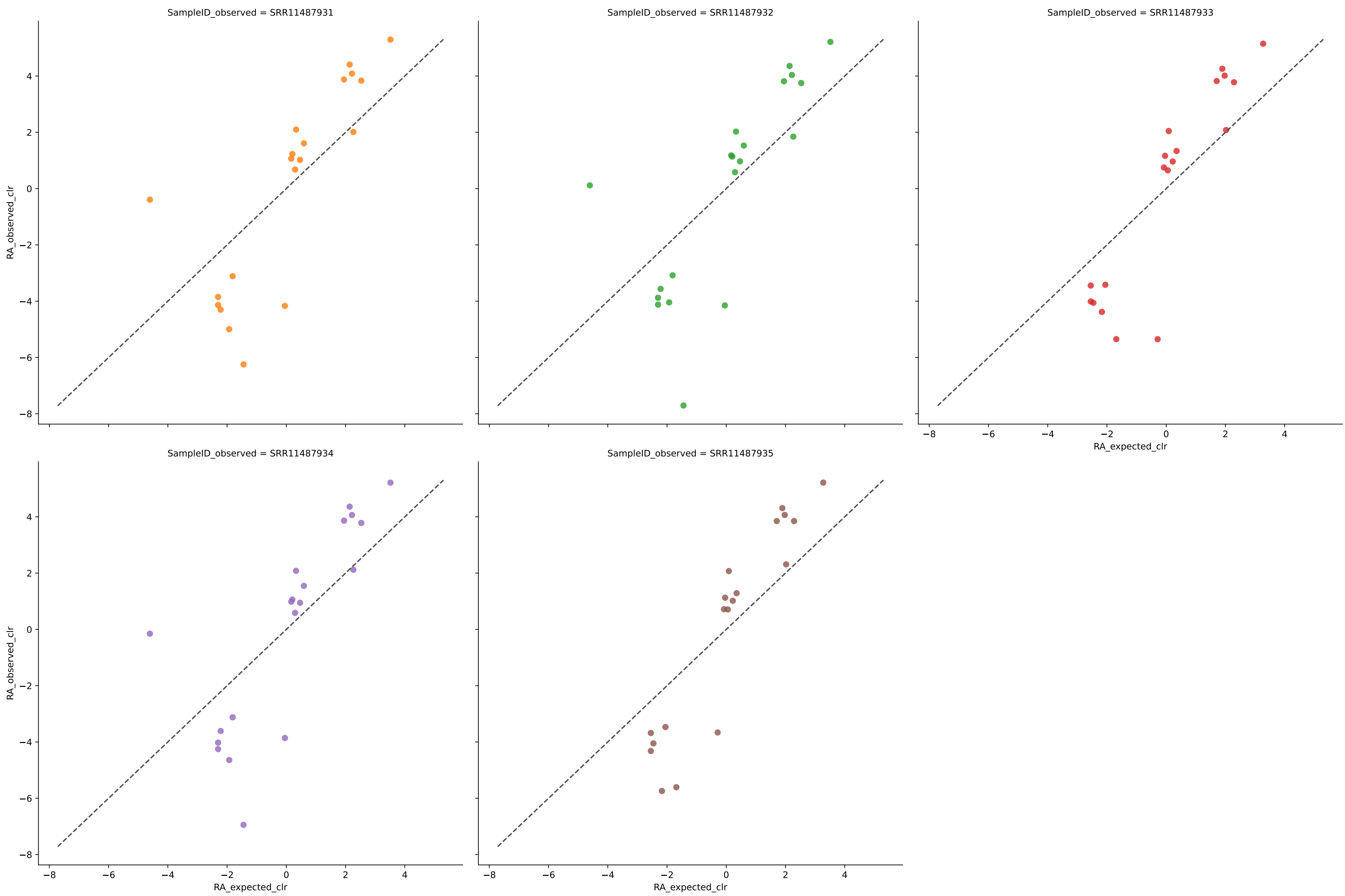


Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos hilo with filter 0.001



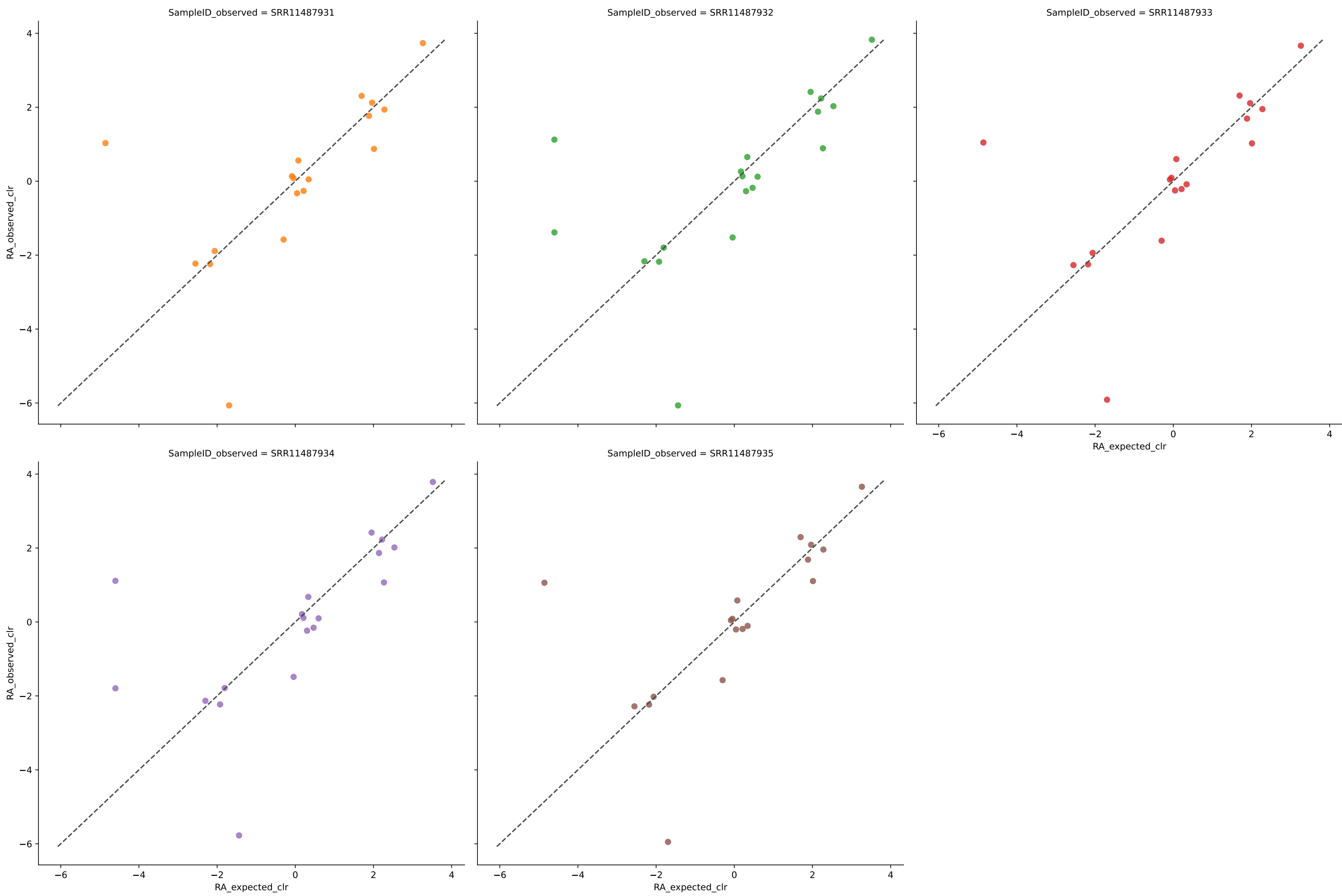
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 17        | 0.9142 | 0.0034 | 5.2528 | 0.8568 | 0.0060 | 100.0000 | 0.0000 |
| SRR11487932 | 17        | 0.9028 | 0.0033 | 4.8354 | 0.8611 | 0.0062 | 100.0000 | 0.0000 |
| SRR11487933 | 17        | 0.9066 | 0.0030 | 6.2762 | 0.8715 | 0.0058 | 100.0000 | 0.0000 |
| SRR11487934 | 17        | 0.8944 | 0.0032 | 5.8814 | 0.8633 | 0.0062 | 100.0000 | 0.0000 |
| SRR11487935 | 17        | 0.9113 | 0.0029 | 5.1244 | 0.8773 | 0.0056 | 100.0000 | 0.0000 |
| Average     | 17        | 0.9059 | 0.0032 | 5.4740 | 0.8660 | 0.0060 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for species using jams in Experiment Amos hilo with filter 0.001



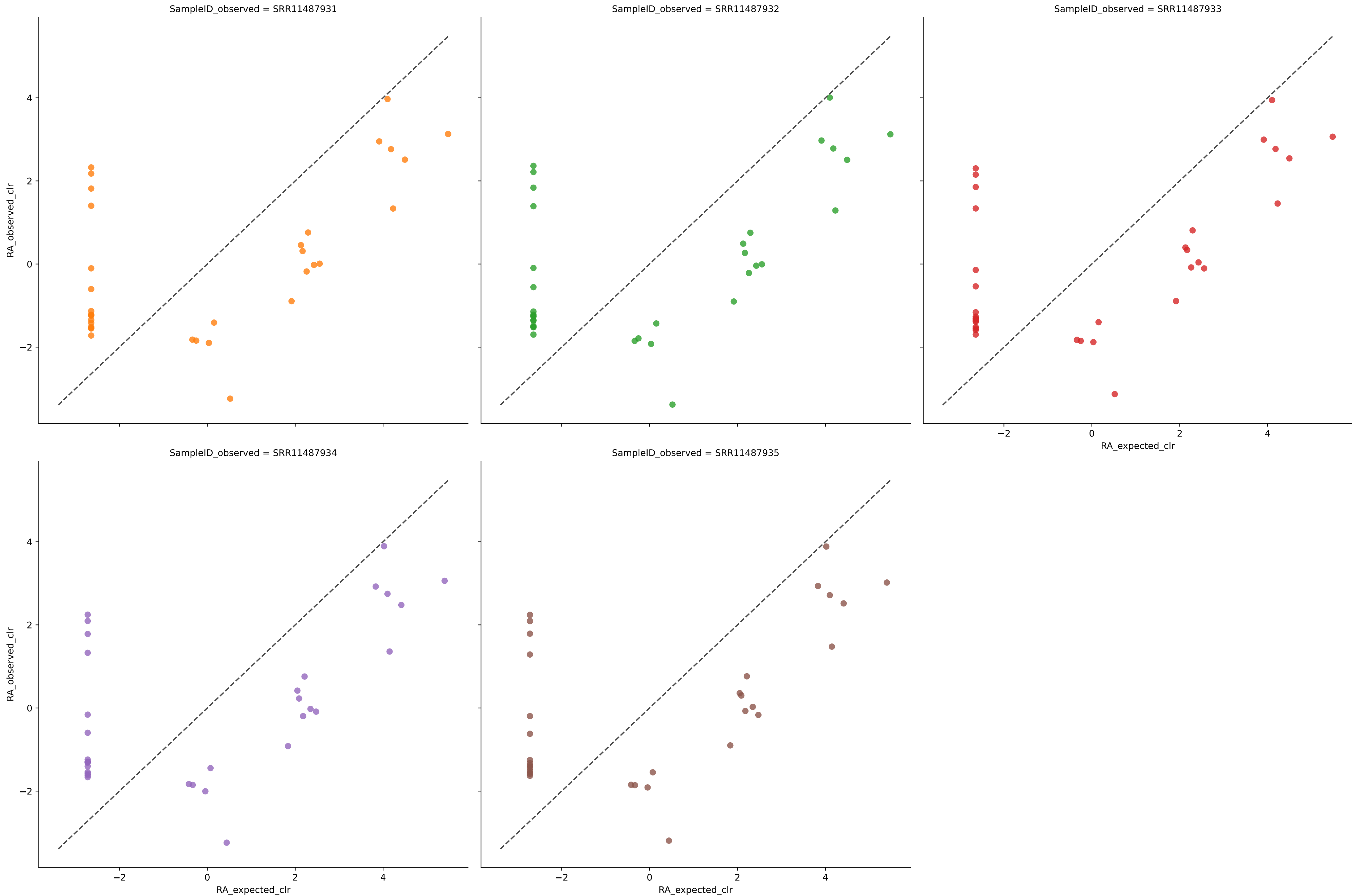
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|---------|--------|--------|----------|--------|
| SRR11487931 | 20        | 0.9030 | 0.0039 | 10.1399 | 0.8067 | 0.0065 | 100.0000 | 0.1442 |
| SRR11487932 | 20        | 0.8970 | 0.0039 | 10.6923 | 0.8038 | 0.0067 | 100.0000 | 0.2571 |
| SRR11487933 | 19        | 0.9069 | 0.0039 | 8.8944  | 0.8145 | 0.0063 | 100.0000 | 0.0000 |
| SRR11487934 | 20        | 0.9006 | 0.0038 | 10.2293 | 0.8080 | 0.0064 | 94.7368  | 0.1934 |
| SRR11487935 | 19        | 0.9133 | 0.0038 | 8.8004  | 0.8174 | 0.0061 | 100.0000 | 0.0000 |
| Average     | 20        | 0.9042 | 0.0039 | 9.7512  | 0.8101 | 0.0064 | 98.9474  | 0.1190 |

Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos hilo with filter 0.001



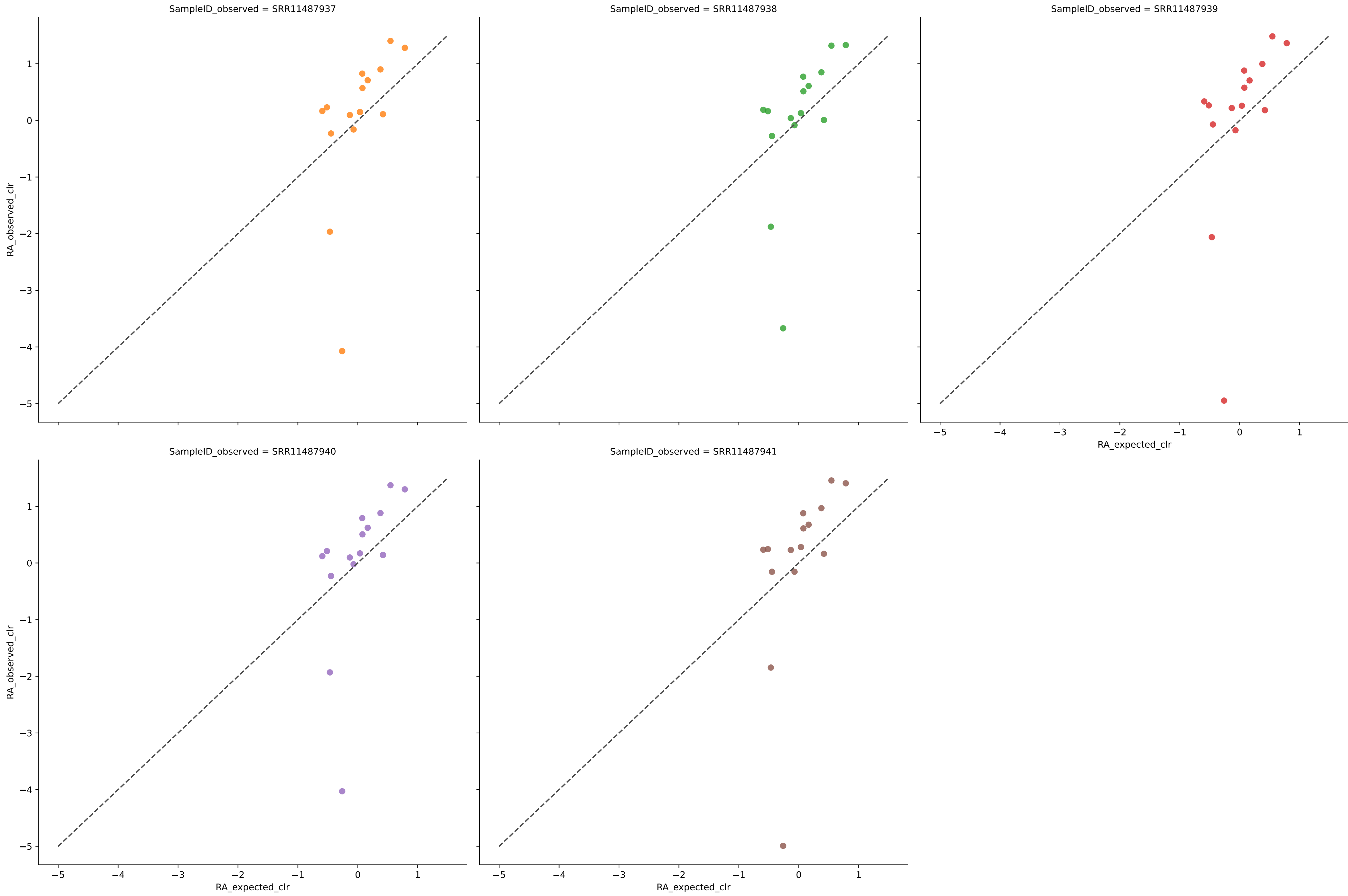
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 18        | 0.9030 | 0.0044 | 7.6377 | 0.8017 | 0.0078 | 100.0000 | 3.2815 |
| SRR11487932 | 19        | 0.9021 | 0.0042 | 8.3913 | 0.8007 | 0.0075 | 100.0000 | 3.5353 |
| SRR11487933 | 18        | 0.9089 | 0.0042 | 7.5426 | 0.8114 | 0.0071 | 100.0000 | 3.4487 |
| SRR11487934 | 19        | 0.9072 | 0.0040 | 8.0412 | 0.8082 | 0.0071 | 100.0000 | 3.4751 |
| SRR11487935 | 18        | 0.9122 | 0.0041 | 7.5520 | 0.8139 | 0.0070 | 100.0000 | 3.5145 |
| Average     | 18        | 0.9067 | 0.0042 | 7.8330 | 0.8072 | 0.0073 | 100.0000 | 3.4510 |

Expected vs. Observed Relative Abundance for species using wol in Experiment Amos hilo with filter 0.001



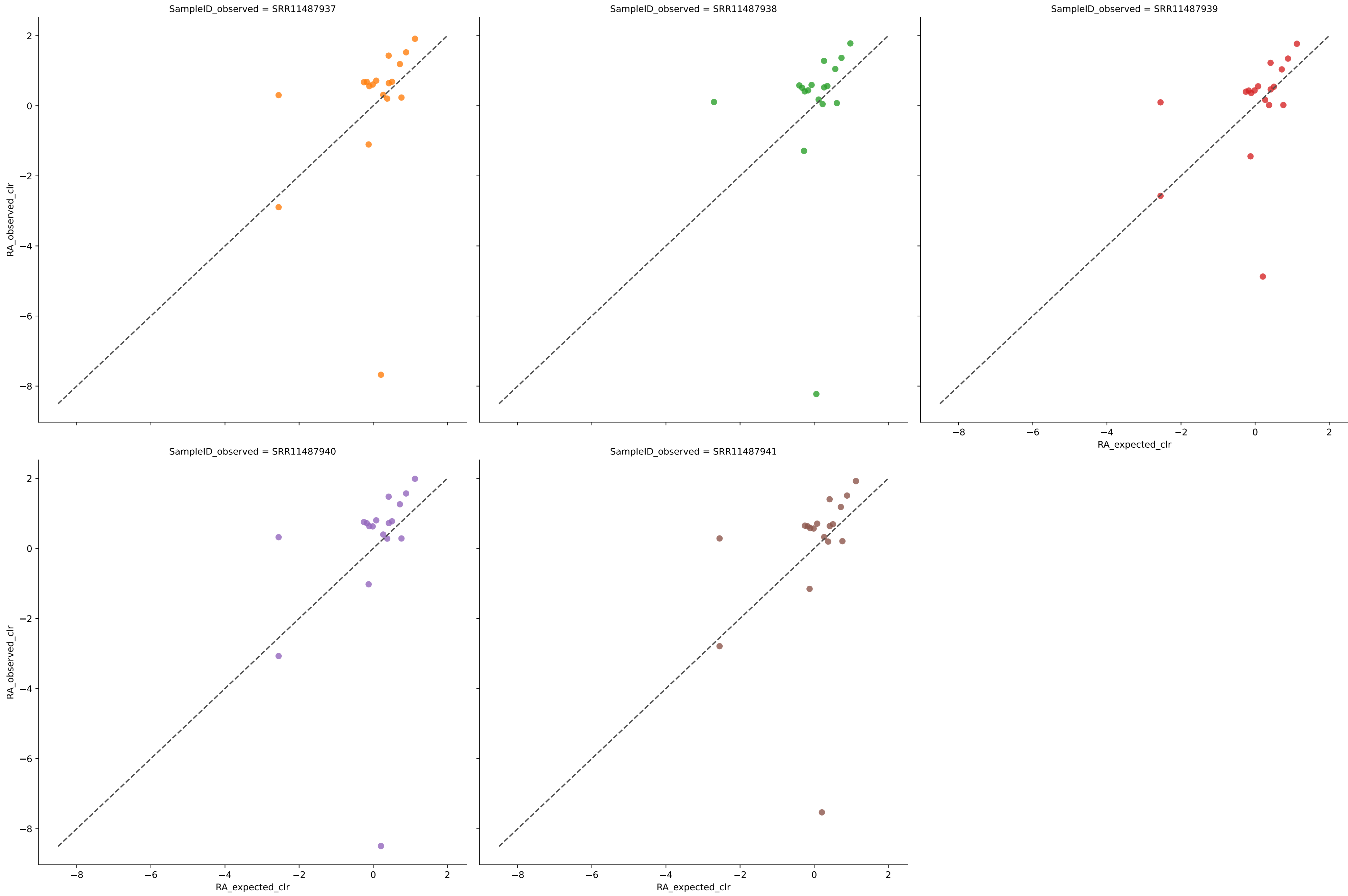
|             | Diversity | R^2    | MAE    | AD      | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|---------|--------|--------|----------|---------|
| SRR11487931 | 34        | 0.3265 | 0.0053 | 13.8359 | 0.5485 | 0.0121 | 100.0000 | 19.6436 |
| SRR11487932 | 34        | 0.3106 | 0.0054 | 13.9491 | 0.5405 | 0.0124 | 100.0000 | 19.7970 |
| SRR11487933 | 34        | 0.3190 | 0.0053 | 13.7288 | 0.5492 | 0.0122 | 100.0000 | 19.4825 |
| SRR11487934 | 33        | 0.3300 | 0.0054 | 13.7102 | 0.5553 | 0.0122 | 100.0000 | 19.2722 |
| SRR11487935 | 33        | 0.3231 | 0.0054 | 13.6208 | 0.5547 | 0.0122 | 100.0000 | 19.1993 |
| Average     | 34        | 0.3218 | 0.0054 | 13.7690 | 0.5497 | 0.0122 | 100.0000 | 19.4789 |

Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos mixed with filter 0.001



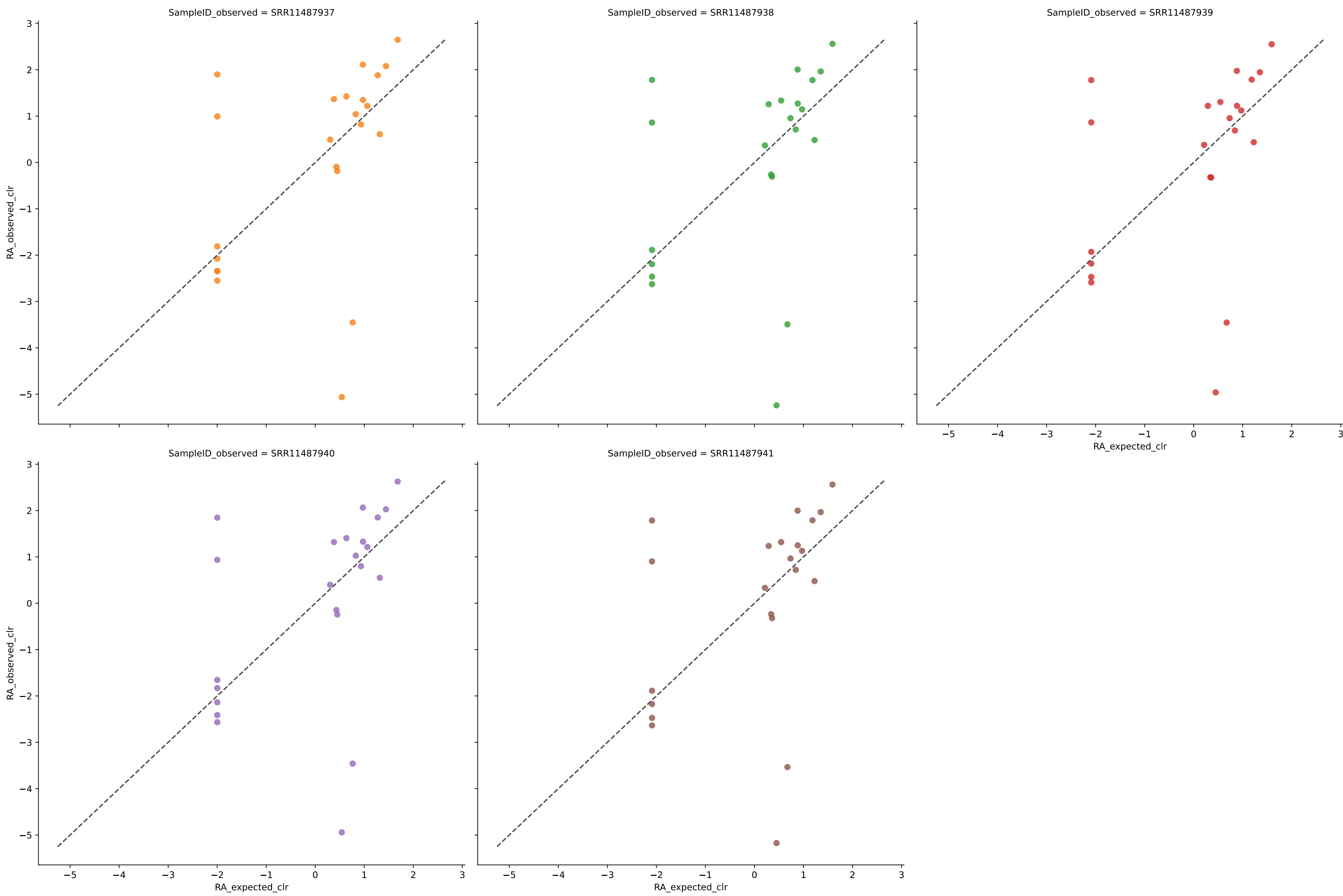
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 15        | 0.6595 | 0.0047 | 4.5249 | 0.8220 | 0.0058 | 100.0000 | 0.0000 |
| SRR11487938 | 15        | 0.6856 | 0.0047 | 4.1118 | 0.8243 | 0.0057 | 100.0000 | 0.0000 |
| SRR11487939 | 15        | 0.6543 | 0.0046 | 5.3975 | 0.8253 | 0.0059 | 100.0000 | 0.0000 |
| SRR11487940 | 15        | 0.6903 | 0.0044 | 4.4374 | 0.8336 | 0.0055 | 100.0000 | 0.0000 |
| SRR11487941 | 15        | 0.6856 | 0.0046 | 5.3530 | 0.8267 | 0.0058 | 100.0000 | 0.0000 |
| Average     | 15        | 0.6751 | 0.0046 | 4.7649 | 0.8264 | 0.0057 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos mixed with filter 0.001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 18        | 0.5413 | 0.0048 | 8.7674 | 0.7857 | 0.0059 | 100.0000 | 3.7190 |
| SRR11487938 | 17        | 0.4992 | 0.0050 | 9.1226 | 0.7869 | 0.0061 | 100.0000 | 3.3929 |
| SRR11487939 | 18        | 0.5574 | 0.0047 | 6.1734 | 0.7881 | 0.0059 | 93.7500  | 3.7220 |
| SRR11487940 | 18        | 0.5499 | 0.0047 | 9.5590 | 0.7881 | 0.0059 | 100.0000 | 3.5343 |
| SRR11487941 | 18        | 0.5474 | 0.0047 | 8.6248 | 0.7866 | 0.0059 | 100.0000 | 3.7135 |
| Average     | 18        | 0.5390 | 0.0048 | 8.4495 | 0.7871 | 0.0059 | 98.7500  | 3.6163 |

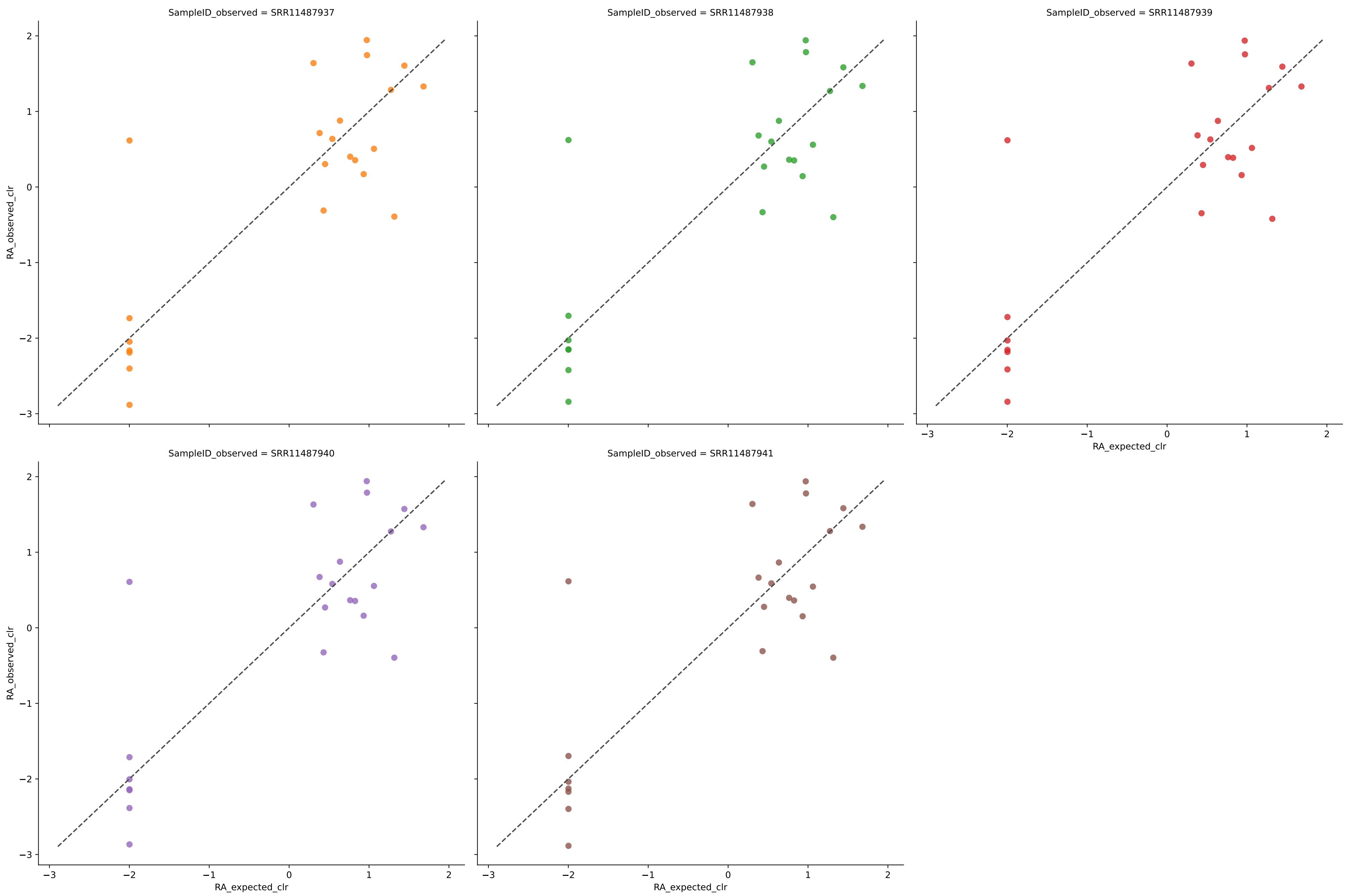
Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos mixed with filter 0.001



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 23        | 0.4581 | 0.0052 | 8.9405 | 0.7035 | 0.0071 | 100.0000 | 13.6983 |
| SRR11487938 | 22        | 0.4442 | 0.0054 | 8.9442 | 0.7051 | 0.0073 | 100.0000 | 13.3300 |
| SRR11487939 | 22        | 0.4410 | 0.0054 | 8.7442 | 0.7027 | 0.0073 | 100.0000 | 13.5247 |
| SRR11487940 | 23        | 0.4632 | 0.0051 | 8.8203 | 0.7044 | 0.0071 | 100.0000 | 13.5929 |
| SRR11487941 | 22        | 0.4418 | 0.0054 | 8.9345 | 0.7033 | 0.0073 | 100.0000 | 13.5552 |
| Average     | 22        | 0.4497 | 0.0053 | 8.8767 | 0.7038 | 0.0072 | 100.0000 | 13.5402 |

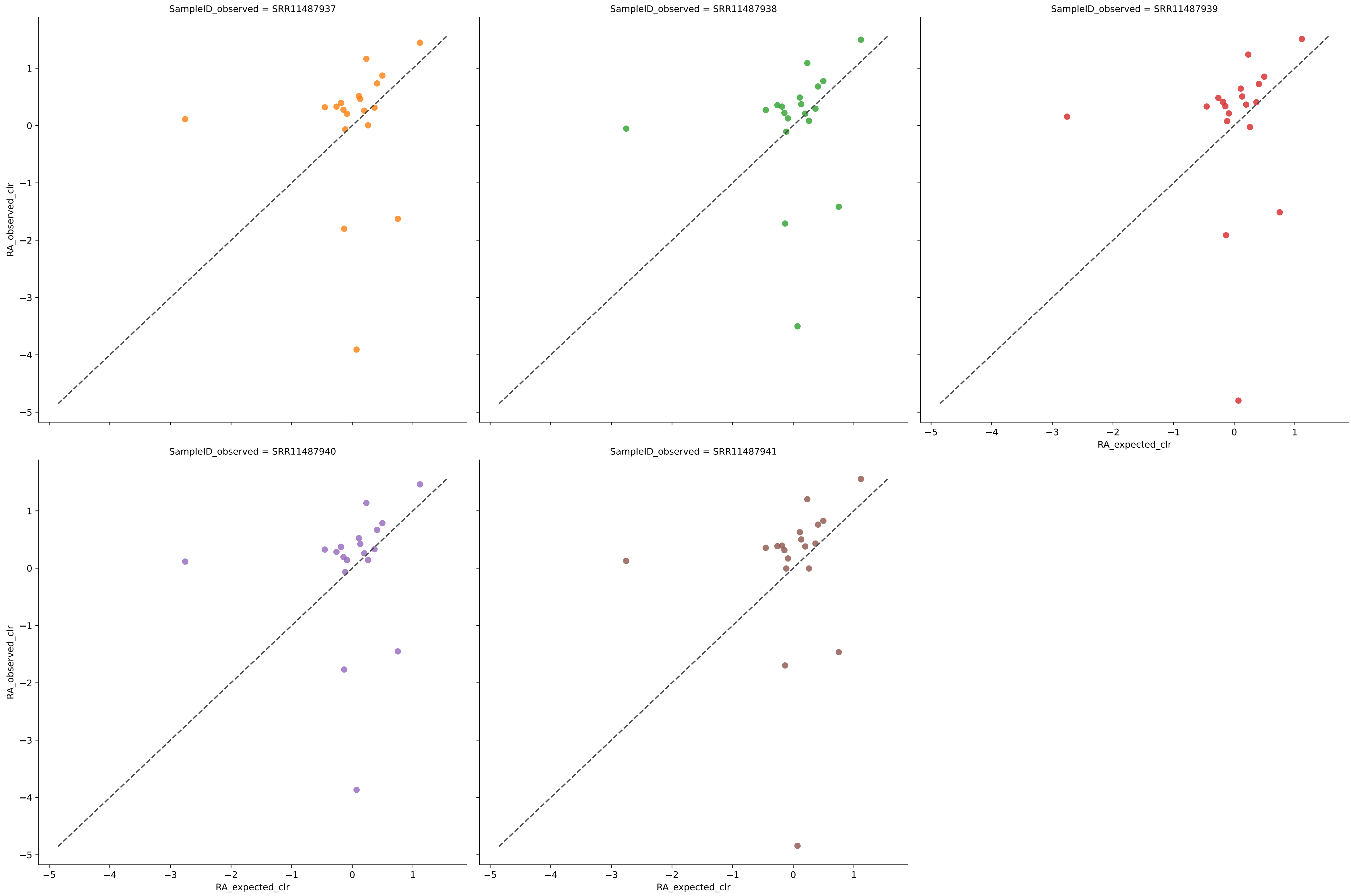


Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos mixed with filter 0.001



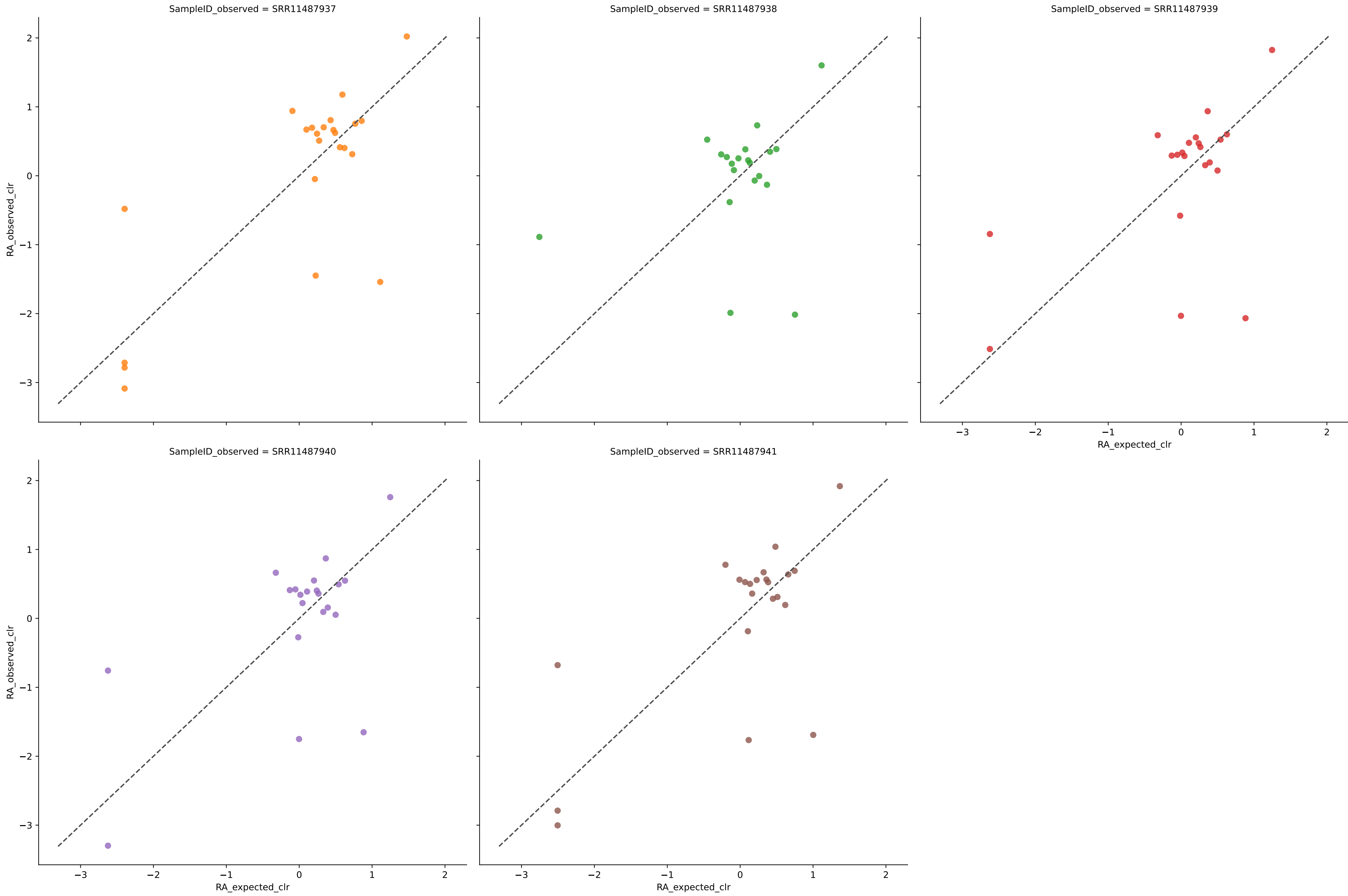
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 23        | 0.3340 | 0.0049 | 4.0375 | 0.7160 | 0.0072 | 100.0000 | 5.3098 |
| SRR11487938 | 23        | 0.3278 | 0.0050 | 4.0506 | 0.7130 | 0.0073 | 100.0000 | 5.3694 |
| SRR11487939 | 23        | 0.3351 | 0.0049 | 4.0442 | 0.7179 | 0.0072 | 100.0000 | 5.3469 |
| SRR11487940 | 23        | 0.3296 | 0.0050 | 4.0292 | 0.7141 | 0.0073 | 100.0000 | 5.3485 |
| SRR11487941 | 23        | 0.3321 | 0.0049 | 4.0350 | 0.7157 | 0.0072 | 100.0000 | 5.3581 |
| Average     | 23        | 0.3317 | 0.0050 | 4.0393 | 0.7153 | 0.0072 | 100.0000 | 5.3466 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos mixed with filter 0.001



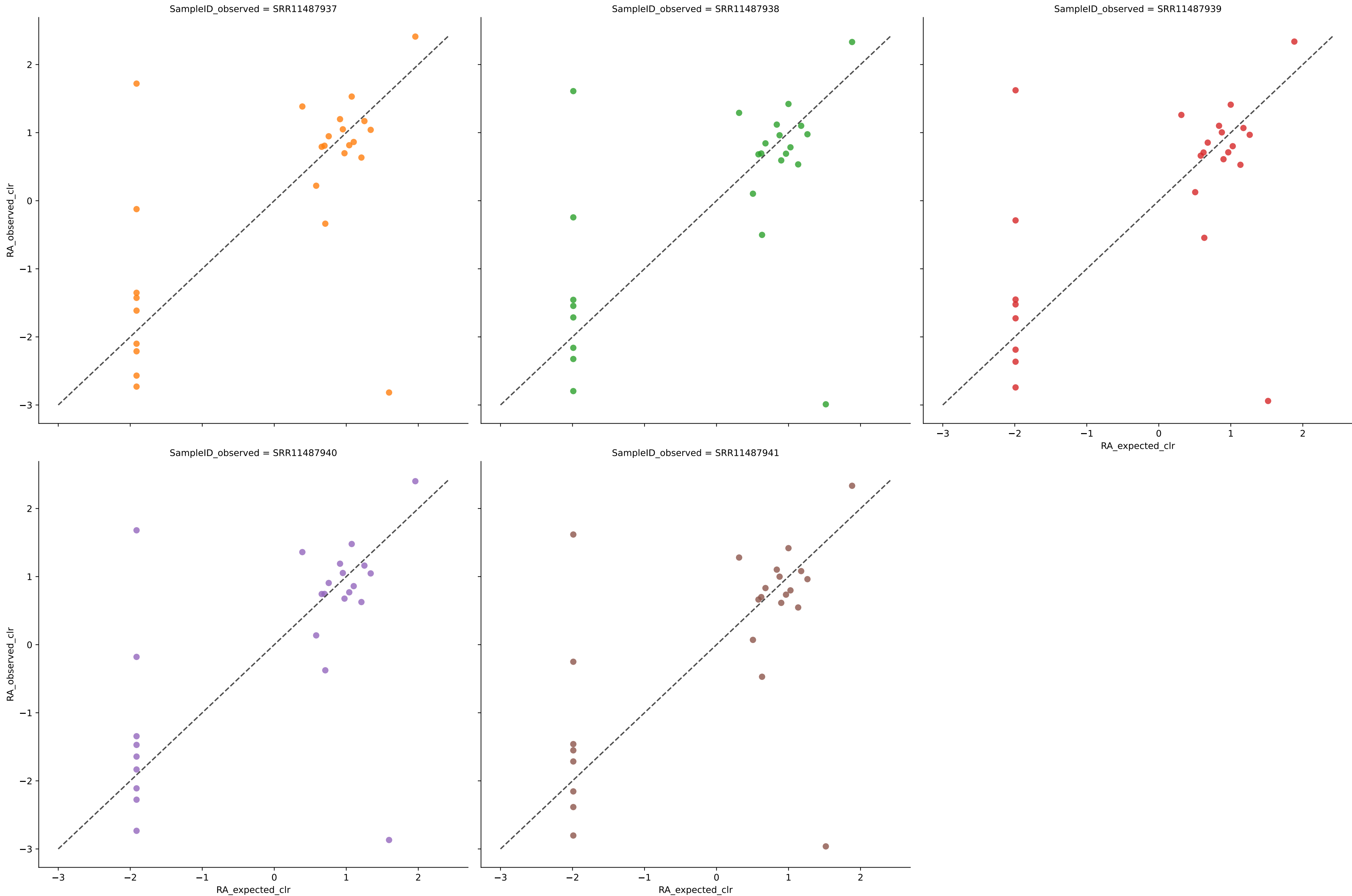
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 19        | 0.2750 | 0.0046 | 5.9654 | 0.7820 | 0.0062 | 100.0000 | 3.9799 |
| SRR11487938 | 19        | 0.3349 | 0.0044 | 5.4644 | 0.7892 | 0.0060 | 100.0000 | 3.4926 |
| SRR11487939 | 19        | 0.2702 | 0.0045 | 6.6548 | 0.7857 | 0.0062 | 100.0000 | 3.9371 |
| SRR11487940 | 19        | 0.2963 | 0.0043 | 5.8315 | 0.7928 | 0.0061 | 100.0000 | 4.0588 |
| SRR11487941 | 19        | 0.3061 | 0.0044 | 6.5860 | 0.7880 | 0.0061 | 100.0000 | 3.8522 |
| Average     | 19        | 0.2965 | 0.0045 | 6.1004 | 0.7876 | 0.0061 | 100.0000 | 3.8641 |

Expected vs. Observed Relative Abundance for species using jams in Experiment Amos mixed with filter 0.001



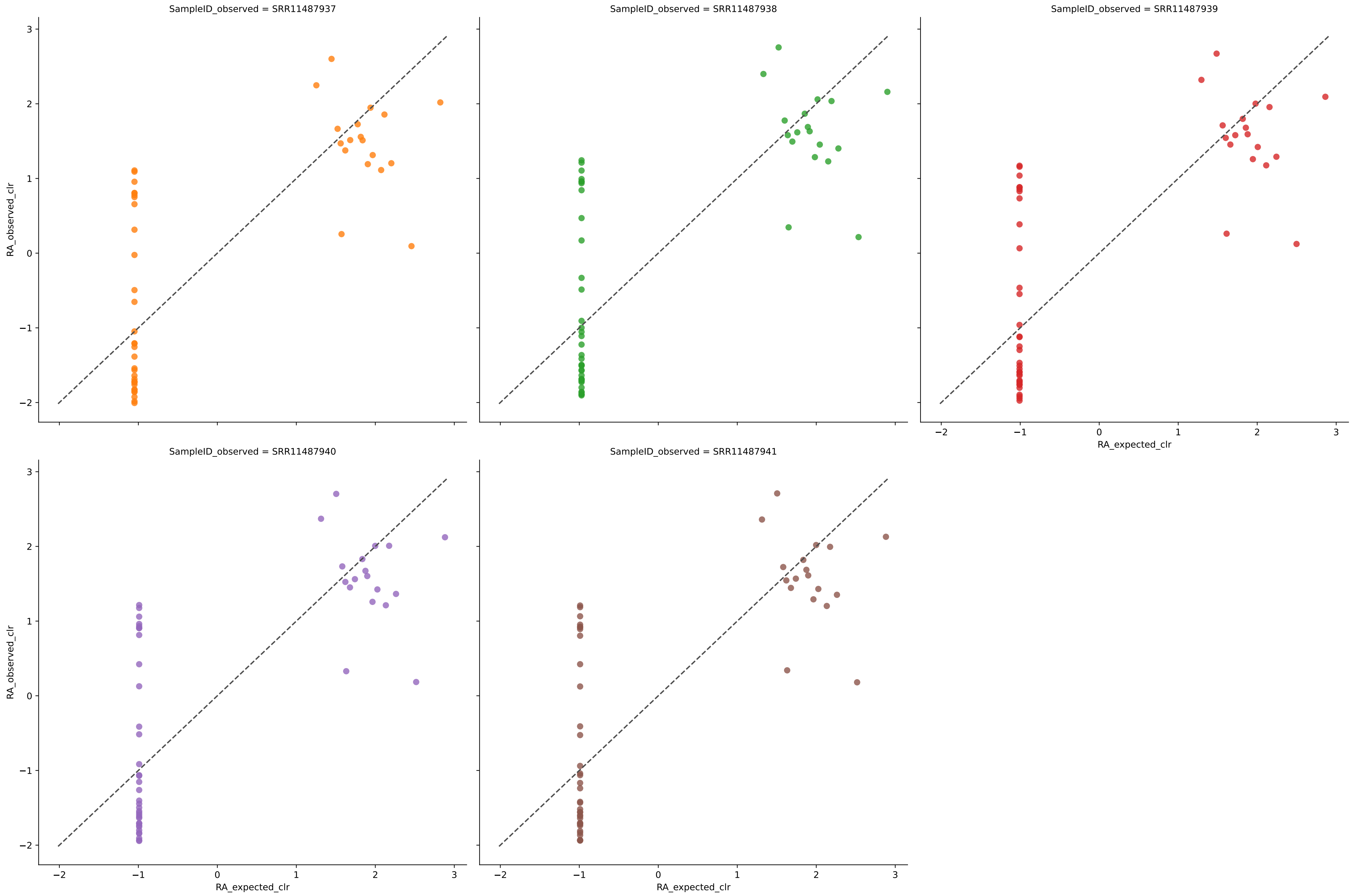
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 23        | 0.5037 | 0.0037 | 4.1681 | 0.7883 | 0.0054 | 100.0000 | 1.9905 |
| SRR11487938 | 20        | 0.3898 | 0.0042 | 4.1620 | 0.7893 | 0.0059 | 100.0000 | 1.5860 |
| SRR11487939 | 21        | 0.4669 | 0.0039 | 4.3431 | 0.7929 | 0.0057 | 100.0000 | 1.6599 |
| SRR11487940 | 21        | 0.4493 | 0.0040 | 4.0227 | 0.7920 | 0.0057 | 100.0000 | 1.6704 |
| SRR11487941 | 22        | 0.4860 | 0.0038 | 4.1677 | 0.7917 | 0.0055 | 100.0000 | 1.7627 |
| Average     | 21        | 0.4592 | 0.0039 | 4.1727 | 0.7908 | 0.0056 | 100.0000 | 1.7339 |

Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos mixed with filter 0.001



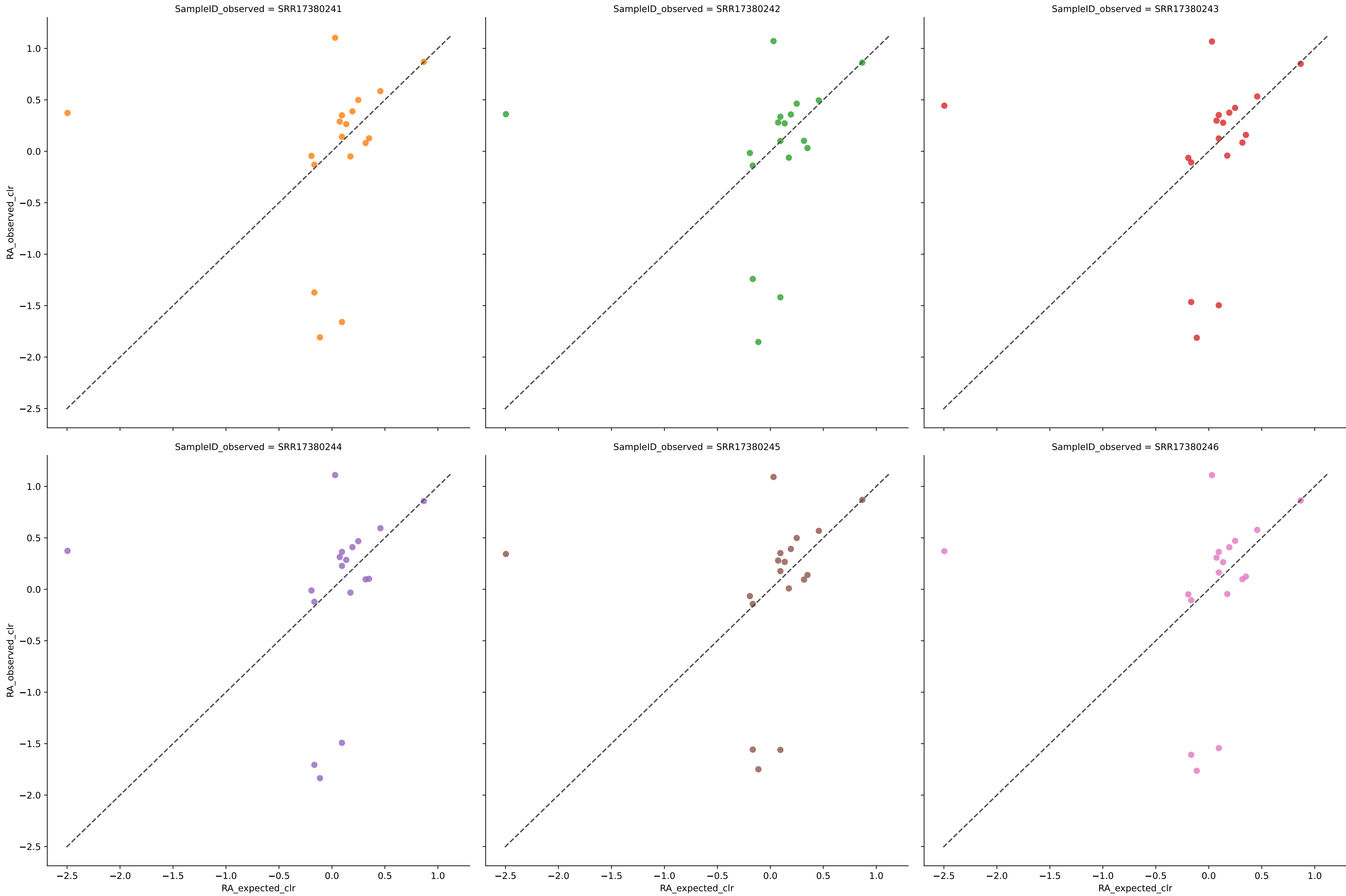
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 26        | 0.4034 | 0.0040 | 6.4121 | 0.7370 | 0.0066 | 100.0000 | 13.2111 |
| SRR11487938 | 25        | 0.3925 | 0.0042 | 6.4228 | 0.7380 | 0.0067 | 100.0000 | 12.8935 |
| SRR11487939 | 25        | 0.3925 | 0.0042 | 6.3822 | 0.7379 | 0.0067 | 100.0000 | 12.9489 |
| SRR11487940 | 26        | 0.4111 | 0.0040 | 6.3812 | 0.7374 | 0.0065 | 100.0000 | 13.1463 |
| SRR11487941 | 25        | 0.3930 | 0.0041 | 6.4007 | 0.7388 | 0.0067 | 100.0000 | 12.9289 |
| Average     | 25        | 0.3985 | 0.0041 | 6.3998 | 0.7378 | 0.0066 | 100.0000 | 13.0257 |

Expected vs. Observed Relative Abundance for species using wol in Experiment Amos mixed with filter 0.001



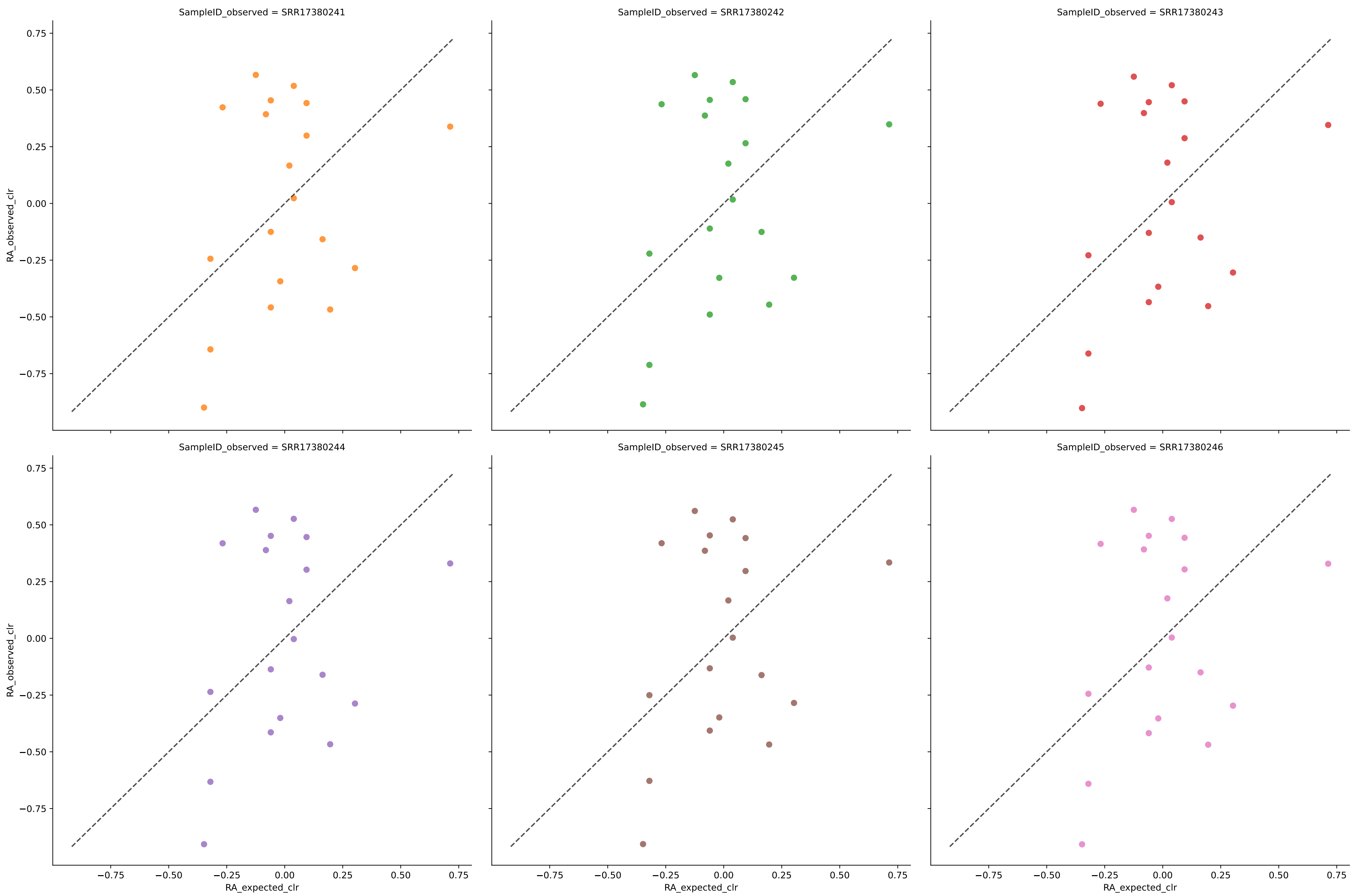
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 50        | 0.3644 | 0.0029 | 7.4103 | 0.6355 | 0.0049 | 100.0000 | 22.4444 |
| SRR11487938 | 54        | 0.3751 | 0.0027 | 7.6934 | 0.6304 | 0.0048 | 100.0000 | 23.2236 |
| SRR11487939 | 52        | 0.3758 | 0.0028 | 7.5309 | 0.6378 | 0.0048 | 100.0000 | 22.6395 |
| SRR11487940 | 53        | 0.3749 | 0.0028 | 7.6194 | 0.6323 | 0.0048 | 100.0000 | 23.1655 |
| SRR11487941 | 53        | 0.3762 | 0.0028 | 7.6134 | 0.6332 | 0.0048 | 100.0000 | 23.1006 |
| Average     | 52        | 0.3733 | 0.0028 | 7.5735 | 0.6338 | 0.0048 | 100.0000 | 22.9147 |

Expected vs. Observed Relative Abundance for genus using bio4 in Experiment tourlousse with filter 0.01



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 18        | 0.1320         | 0.0034 | 4.1482 | 0.8153 | 0.0051 | 100.0000 | 6.4245 |
| SRR17380242 | 18        | 0.1283         | 0.0034 | 4.0185 | 0.8171 | 0.0050 | 100.0000 | 6.4792 |
| SRR17380243 | 18        | 0.1142         | 0.0033 | 4.1452 | 0.8193 | 0.0050 | 100.0000 | 6.9590 |
| SRR17380244 | 18        | 0.1262         | 0.0034 | 4.2104 | 0.8121 | 0.0051 | 100.0000 | 6.3814 |
| SRR17380245 | 18        | 0.1433         | 0.0033 | 4.1141 | 0.8202 | 0.0050 | 100.0000 | 6.2467 |
| SRR17380246 | 18        | 0.1287         | 0.0034 | 4.1596 | 0.8156 | 0.0051 | 100.0000 | 6.3996 |
| Average     | 18        | 0.1288         | 0.0034 | 4.1327 | 0.8166 | 0.0050 | 100.0000 | 6.4817 |

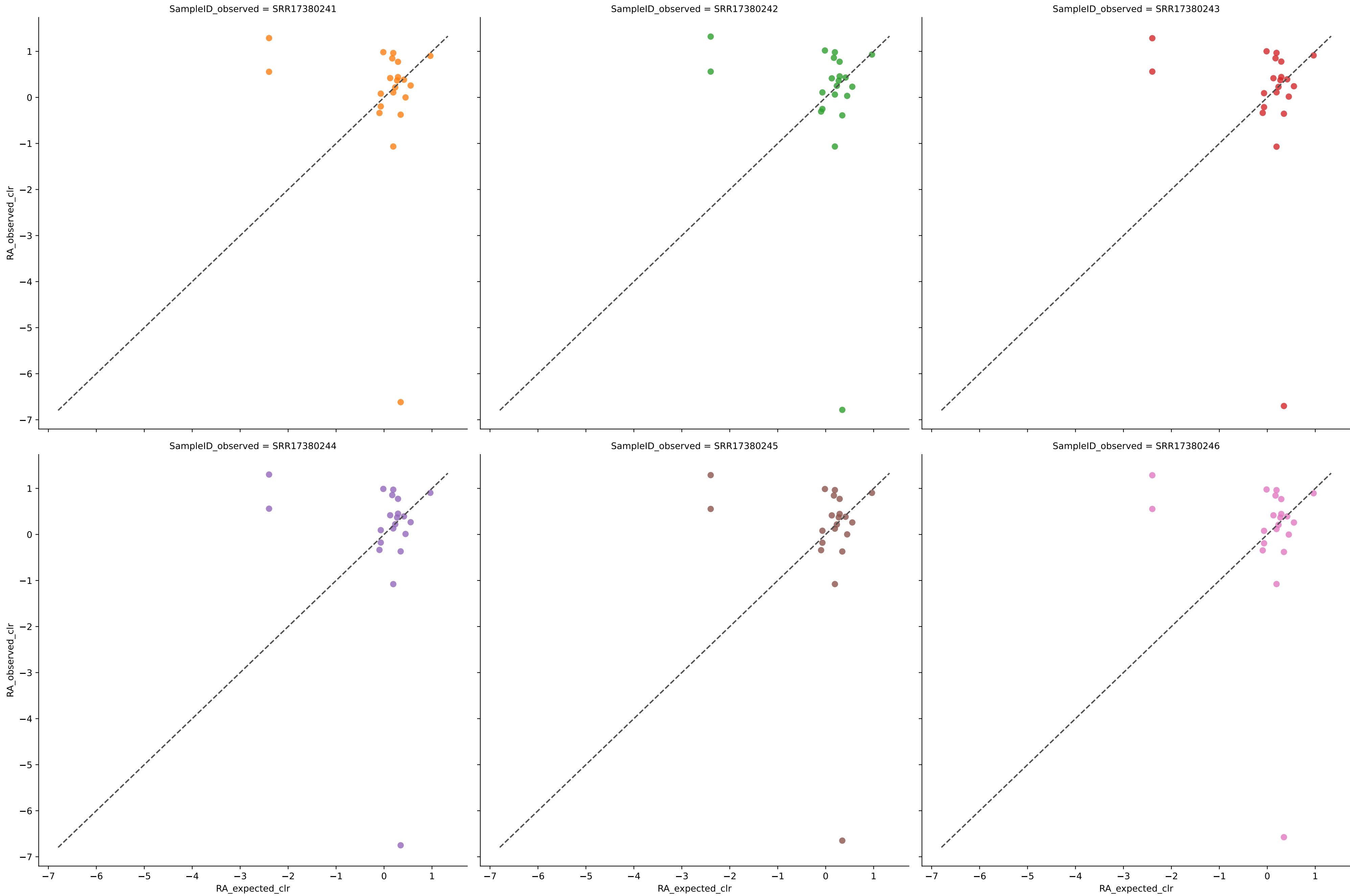
Expected vs. Observed Relative Abundance for genus using jams in Experiment tourlousse with filter 0.01



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 19        | 0.0294         | 0.0033 | 1.8893 | 0.8104 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380242 | 19        | 0.0298         | 0.0033 | 1.9110 | 0.8093 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380243 | 19        | 0.0296         | 0.0033 | 1.8964 | 0.8091 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380244 | 19        | 0.0276         | 0.0033 | 1.8859 | 0.8093 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380245 | 19        | 0.0291         | 0.0033 | 1.8776 | 0.8108 | 0.0039 | 100.0000 | 0.0000 |
| SRR17380246 | 19        | 0.0276         | 0.0033 | 1.8902 | 0.8094 | 0.0039 | 100.0000 | 0.0000 |
| Average     | 19        | 0.0289         | 0.0033 | 1.8917 | 0.8097 | 0.0039 | 100.0000 | 0.0000 |

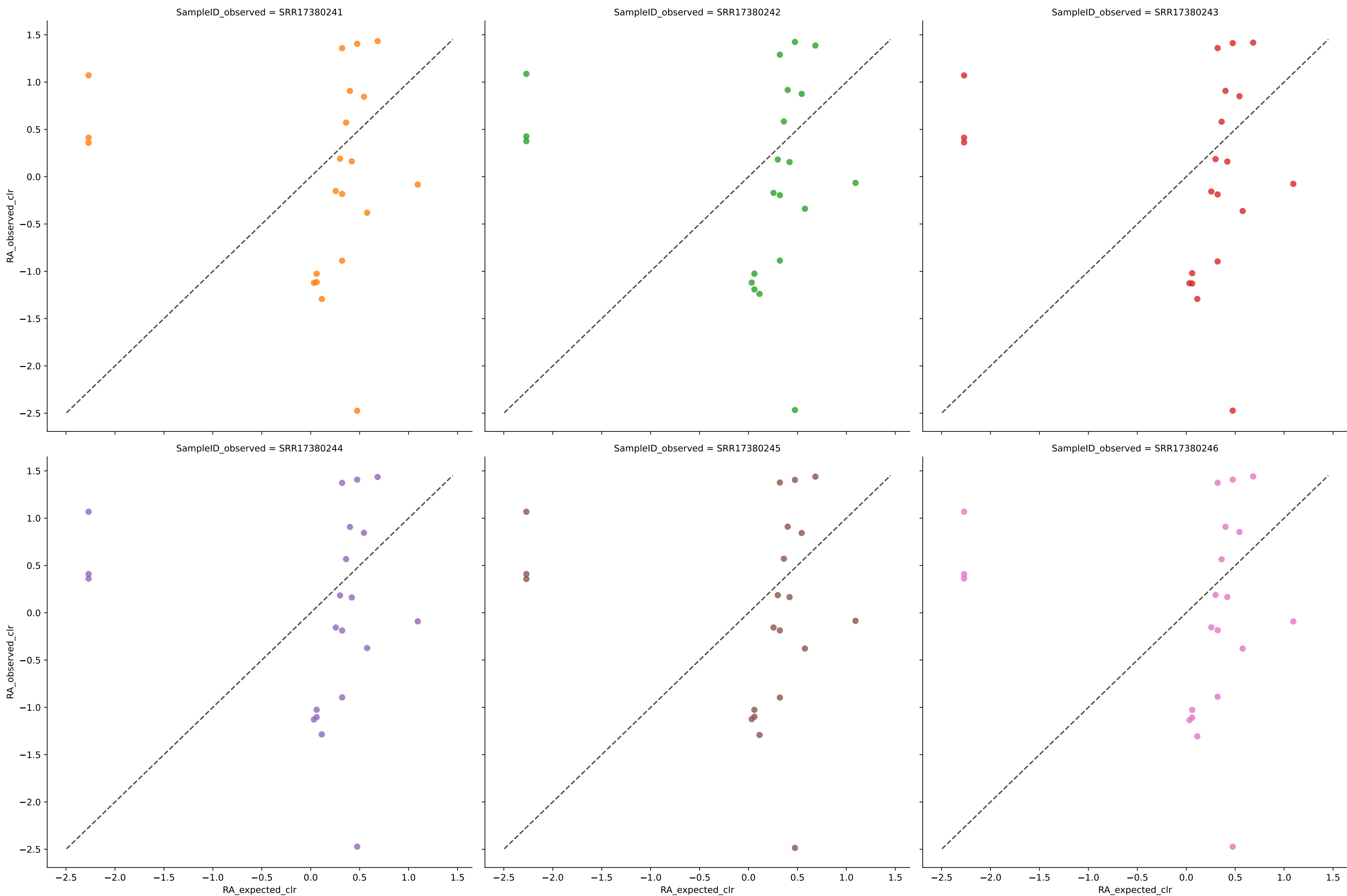


Expected vs. Observed Relative Abundance for genus using wgsa in Experiment tourlousse with filter 0.01



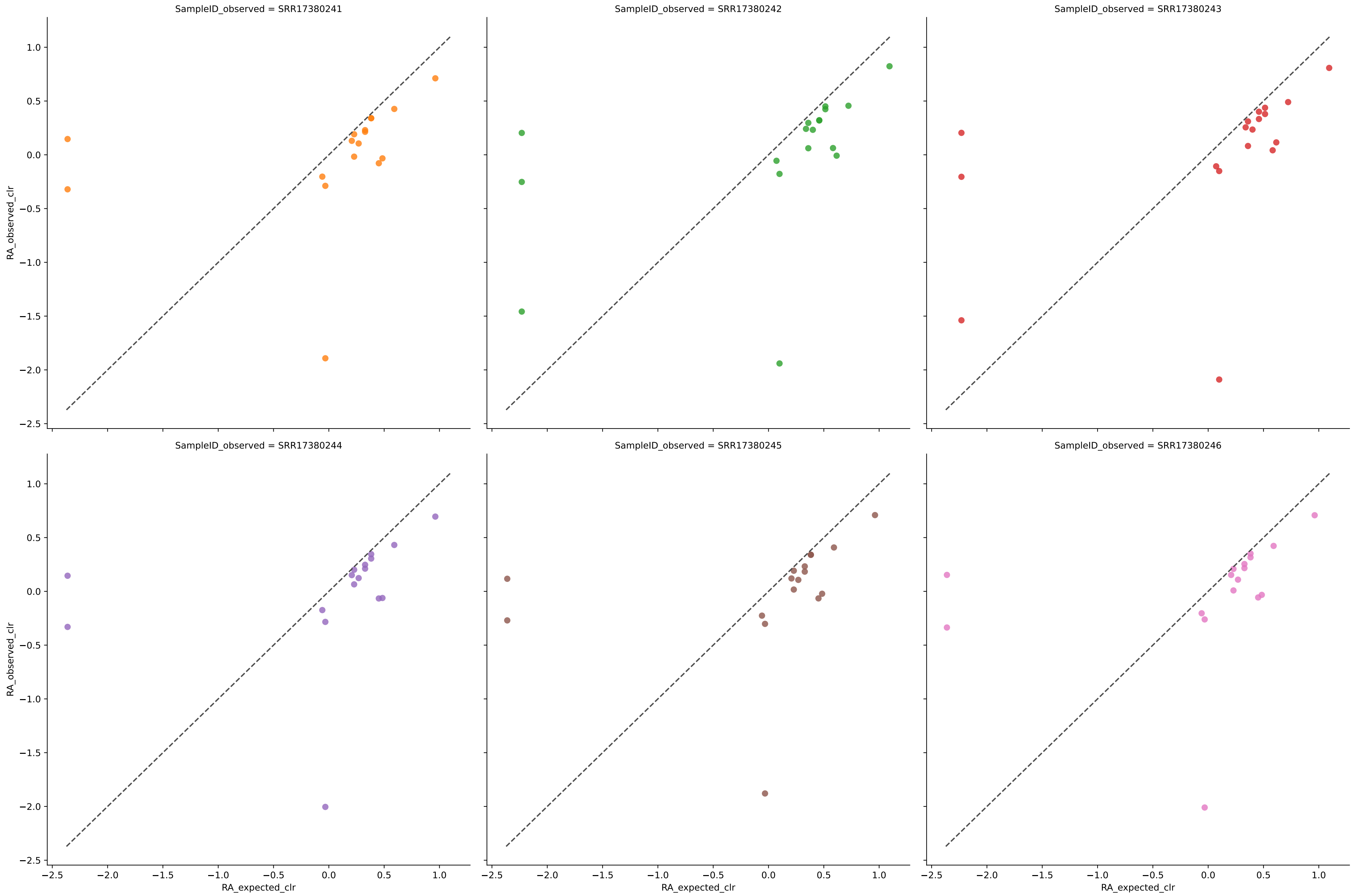
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 21        | 0.0421         | 0.0046 | 8.7023 | 0.7095 | 0.0062 | 100.0000 | 16.8246 |
| SRR17380242 | 21        | 0.0416         | 0.0046 | 8.8600 | 0.7068 | 0.0063 | 100.0000 | 16.9858 |
| SRR17380243 | 21        | 0.0403         | 0.0046 | 8.7709 | 0.7098 | 0.0062 | 100.0000 | 16.7406 |
| SRR17380244 | 21        | 0.0436         | 0.0046 | 8.8169 | 0.7097 | 0.0062 | 100.0000 | 16.8704 |
| SRR17380245 | 21        | 0.0419         | 0.0046 | 8.7270 | 0.7104 | 0.0062 | 100.0000 | 16.7955 |
| SRR17380246 | 21        | 0.0425         | 0.0046 | 8.6656 | 0.7100 | 0.0062 | 100.0000 | 16.8190 |
| Average     | 21        | 0.0420         | 0.0046 | 8.7571 | 0.7093 | 0.0062 | 100.0000 | 16.8393 |

Expected vs. Observed Relative Abundance for genus using woltka in Experiment tourlousse with filter 0.01



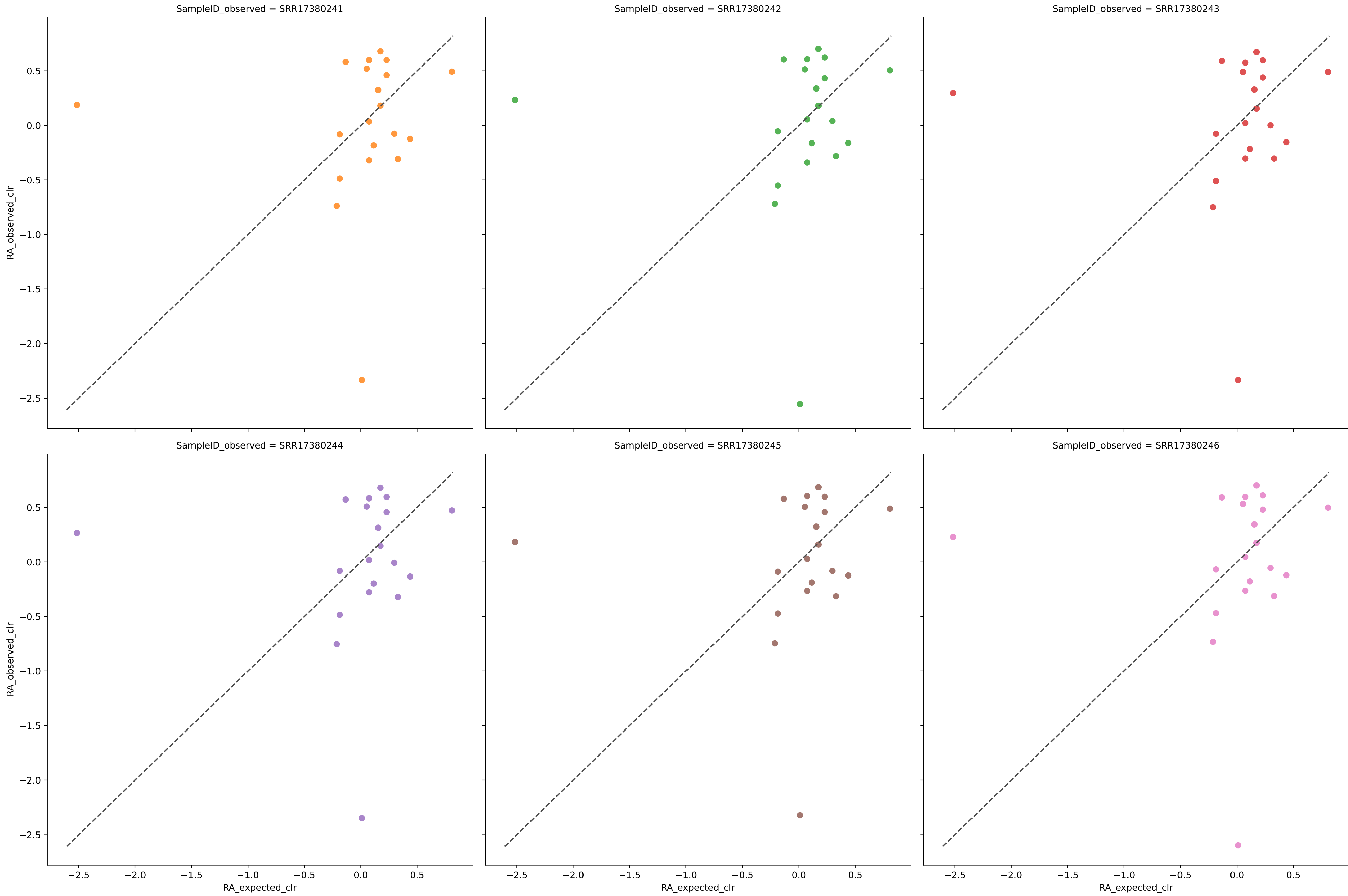
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 21        | 0.0015 | 0.0065 | 6.8543 | 0.5860 | 0.0076 | 100.0000 | 18.2791 |
| SRR17380242 | 21        | 0.0009 | 0.0065 | 6.8572 | 0.5871 | 0.0076 | 100.0000 | 18.6683 |
| SRR17380243 | 21        | 0.0014 | 0.0065 | 6.8563 | 0.5859 | 0.0076 | 100.0000 | 18.2978 |
| SRR17380244 | 21        | 0.0015 | 0.0066 | 6.8545 | 0.5852 | 0.0077 | 100.0000 | 18.2249 |
| SRR17380245 | 21        | 0.0016 | 0.0066 | 6.8593 | 0.5852 | 0.0076 | 100.0000 | 18.1872 |
| SRR17380246 | 21        | 0.0016 | 0.0066 | 6.8619 | 0.5849 | 0.0077 | 100.0000 | 18.1991 |
| Average     | 21        | 0.0014 | 0.0065 | 6.8572 | 0.5857 | 0.0076 | 100.0000 | 18.3094 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment tourlousse with filter 0.01



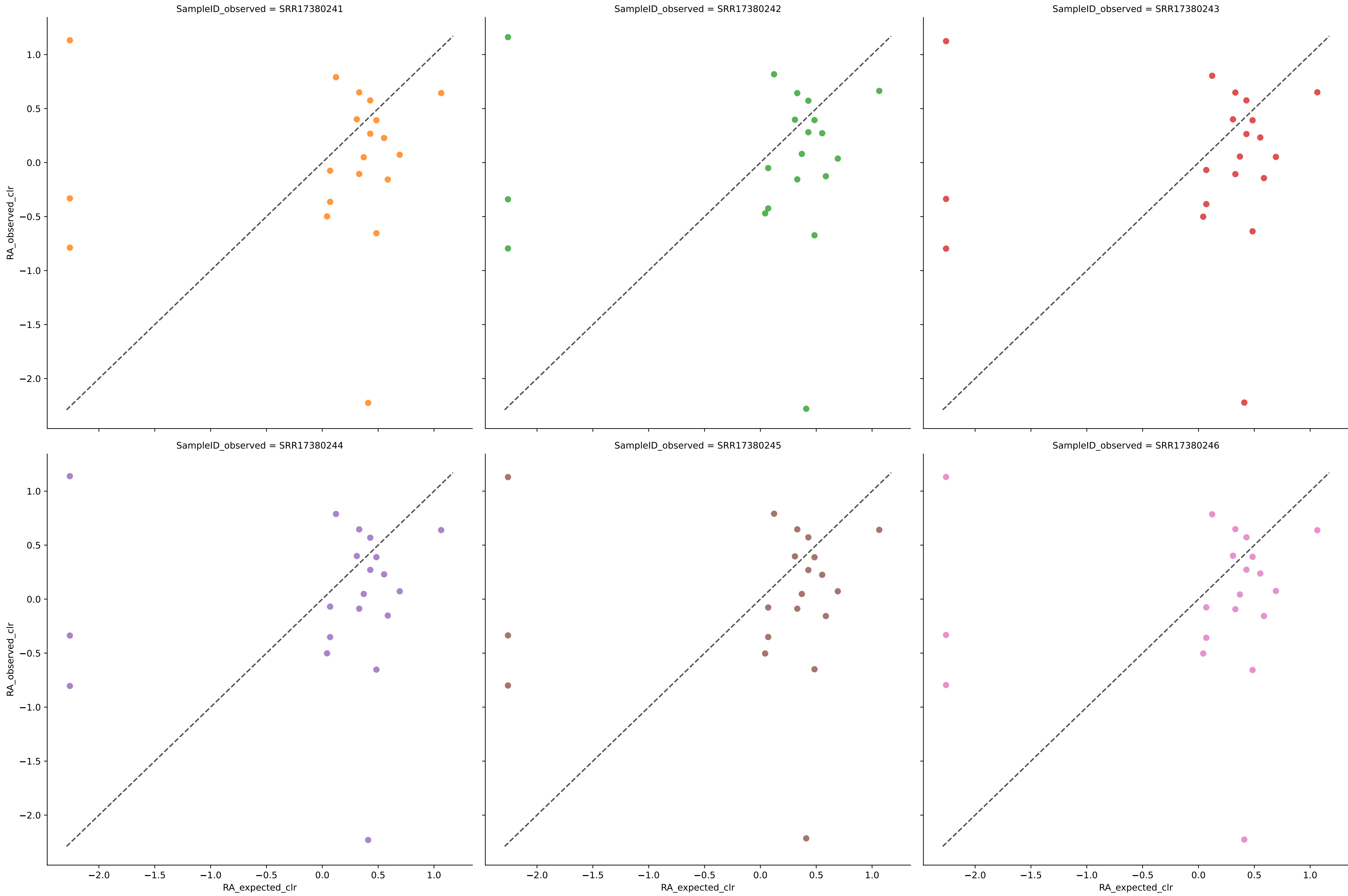
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 17        | 0.3822         | 0.0023 | 3.8425 | 0.8796 | 0.0036 | 100.0000 | 10.0125 |
| SRR17380242 | 18        | 0.4977         | 0.0024 | 3.9589 | 0.8705 | 0.0035 | 100.0000 | 10.7107 |
| SRR17380243 | 18        | 0.5017         | 0.0023 | 4.0290 | 0.8738 | 0.0035 | 100.0000 | 10.7016 |
| SRR17380244 | 17        | 0.3759         | 0.0023 | 3.8885 | 0.8799 | 0.0036 | 100.0000 | 9.9235  |
| SRR17380245 | 17        | 0.3877         | 0.0023 | 3.8430 | 0.8813 | 0.0036 | 100.0000 | 10.0556 |
| SRR17380246 | 17        | 0.3808         | 0.0023 | 3.8901 | 0.8794 | 0.0036 | 100.0000 | 9.9389  |
| Average     | 17        | 0.4210         | 0.0023 | 3.9087 | 0.8774 | 0.0036 | 100.0000 | 10.2238 |

Expected vs. Observed Relative Abundance for species using jams in Experiment tourlousse with filter 0.01



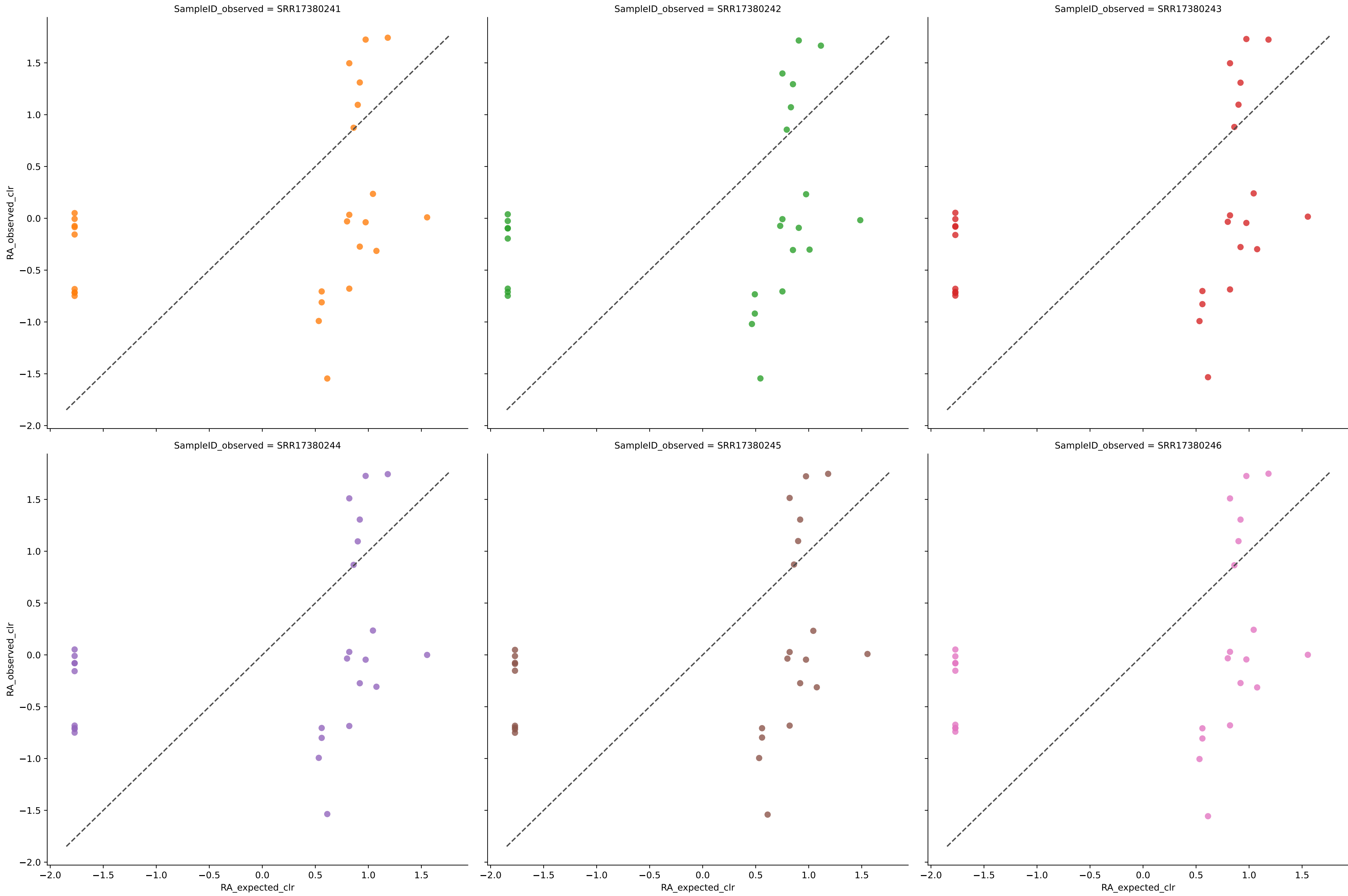
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR17380241 | 20        | 0.0362 | 0.0036 | 3.9825 | 0.7822 | 0.0042 | 100.0000 | 5.1666 |
| SRR17380242 | 20        | 0.0325 | 0.0036 | 4.1500 | 0.7816 | 0.0043 | 100.0000 | 5.3465 |
| SRR17380243 | 20        | 0.0234 | 0.0037 | 4.0534 | 0.7809 | 0.0043 | 100.0000 | 5.7699 |
| SRR17380244 | 20        | 0.0251 | 0.0037 | 4.0383 | 0.7811 | 0.0043 | 100.0000 | 5.5989 |
| SRR17380245 | 20        | 0.0359 | 0.0036 | 3.9686 | 0.7825 | 0.0042 | 100.0000 | 5.1515 |
| SRR17380246 | 20        | 0.0311 | 0.0037 | 4.1702 | 0.7803 | 0.0043 | 100.0000 | 5.3189 |
| Average     | 20        | 0.0307 | 0.0036 | 4.0605 | 0.7814 | 0.0043 | 100.0000 | 5.3921 |

Expected vs. Observed Relative Abundance for species using wgsa in Experiment toulousse with filter 0.01



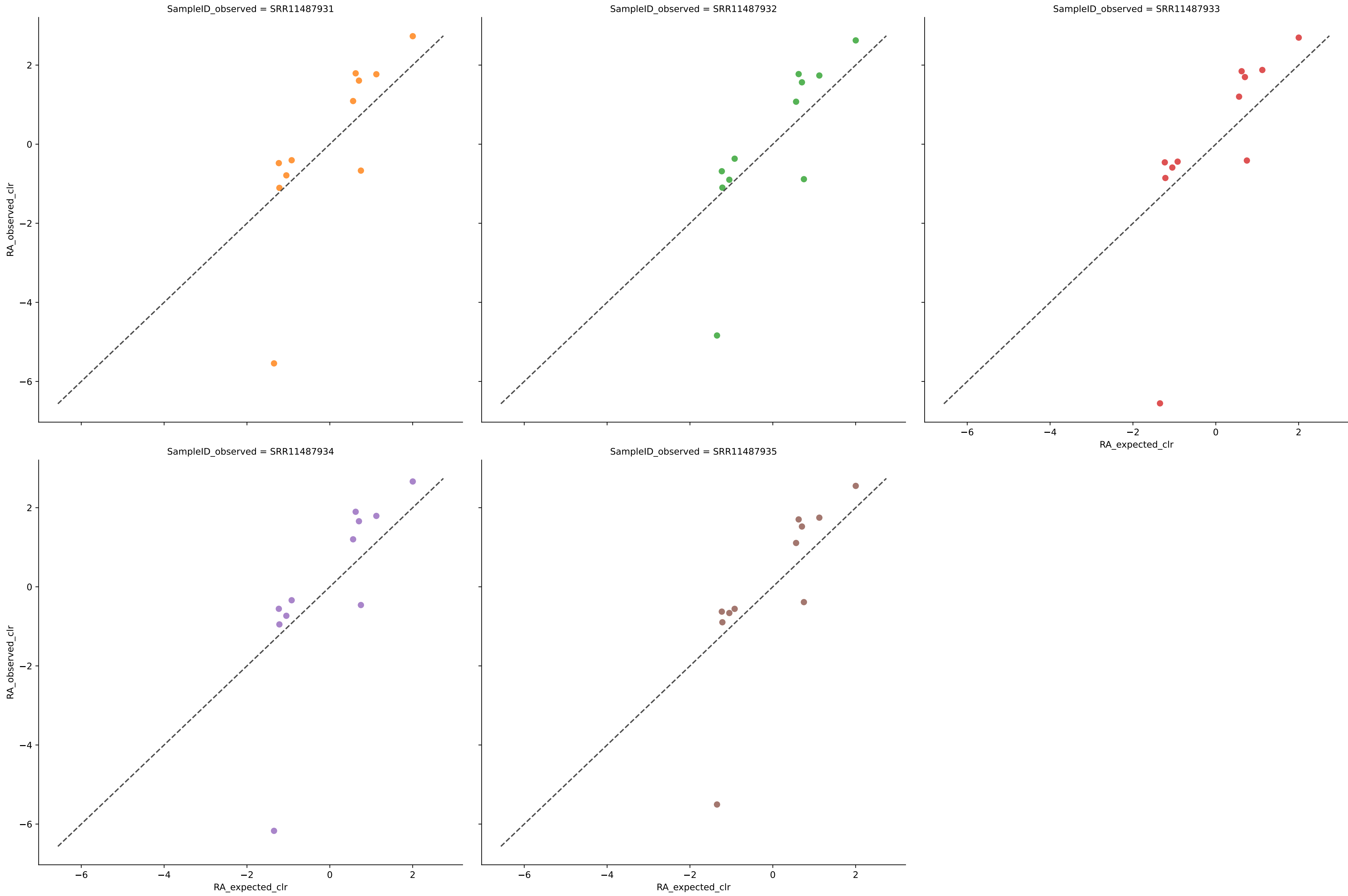
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 20        | 0.0000         | 0.0045 | 5.3162 | 0.7309 | 0.0063 | 100.0000 | 17.5554 |
| SRR17380242 | 20        | 0.0000         | 0.0045 | 5.3643 | 0.7285 | 0.0064 | 100.0000 | 17.7514 |
| SRR17380243 | 20        | 0.0000         | 0.0044 | 5.3050 | 0.7313 | 0.0063 | 100.0000 | 17.4234 |
| SRR17380244 | 20        | 0.0000         | 0.0044 | 5.3129 | 0.7316 | 0.0064 | 100.0000 | 17.5877 |
| SRR17380245 | 20        | 0.0000         | 0.0044 | 5.3024 | 0.7319 | 0.0063 | 100.0000 | 17.5147 |
| SRR17380246 | 20        | 0.0000         | 0.0044 | 5.3125 | 0.7317 | 0.0063 | 100.0000 | 17.5396 |
| Average     | 20        | 0.0000         | 0.0044 | 5.3189 | 0.7310 | 0.0064 | 100.0000 | 17.5620 |

Expected vs. Observed Relative Abundance for species using woltka in Experiment tourlousse with filter 0.01



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR17380241 | 27        | 0.1624         | 0.0054 | 6.4919 | 0.5615 | 0.0063 | 100.0000 | 16.6145 |
| SRR17380242 | 26        | 0.1481         | 0.0055 | 6.4254 | 0.5664 | 0.0063 | 100.0000 | 15.9330 |
| SRR17380243 | 27        | 0.1623         | 0.0054 | 6.4902 | 0.5617 | 0.0063 | 100.0000 | 16.6459 |
| SRR17380244 | 27        | 0.1612         | 0.0054 | 6.4951 | 0.5607 | 0.0063 | 100.0000 | 16.6056 |
| SRR17380245 | 27        | 0.1617         | 0.0054 | 6.4941 | 0.5606 | 0.0063 | 100.0000 | 16.5806 |
| SRR17380246 | 27        | 0.1612         | 0.0054 | 6.5082 | 0.5606 | 0.0063 | 100.0000 | 16.6230 |
| Average     | 27        | 0.1595         | 0.0054 | 6.4841 | 0.5619 | 0.0063 | 100.0000 | 16.5004 |

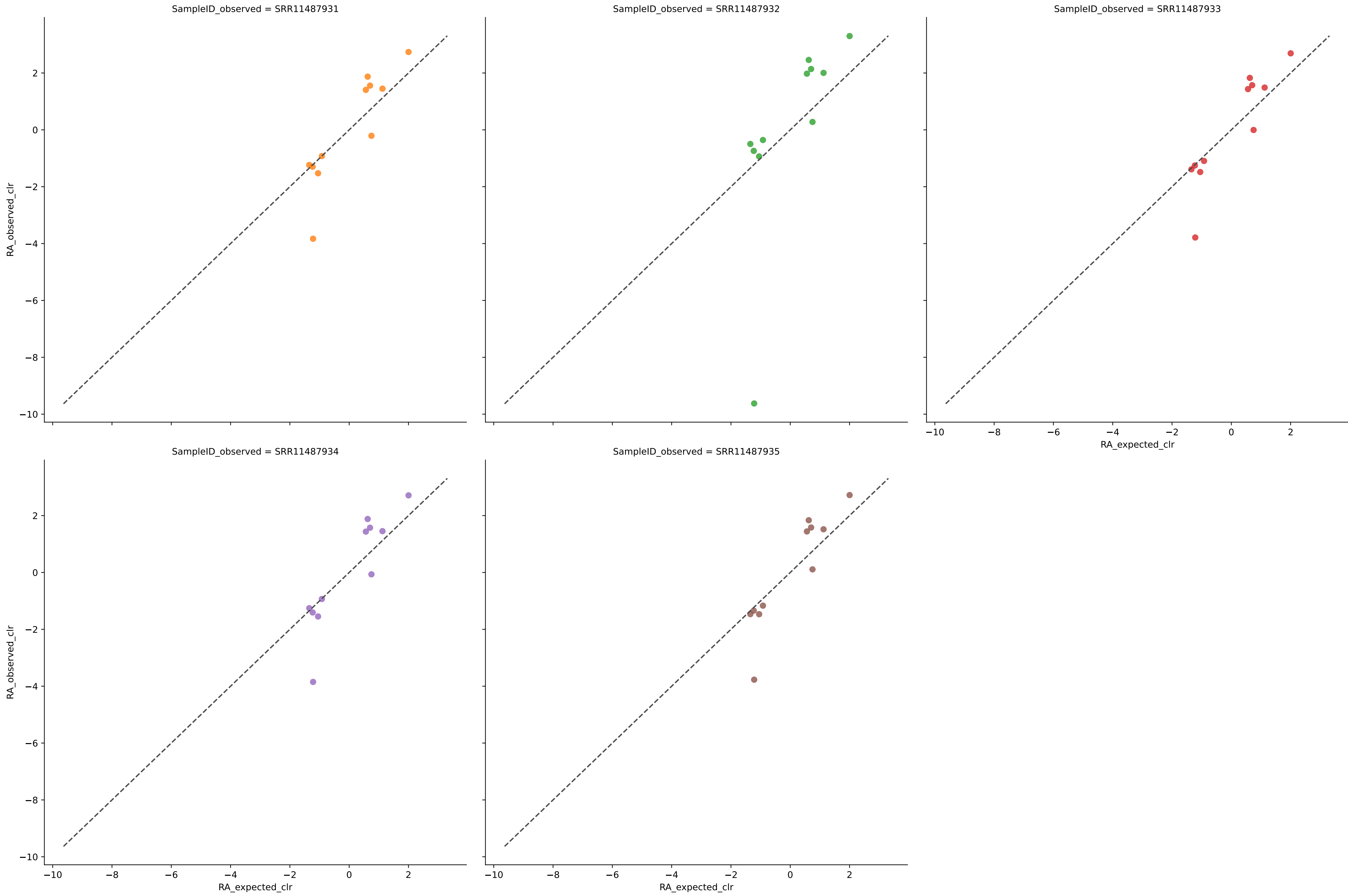
Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos hilo with filter 0.01



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 11        | 0.9036 | 0.0047 | 4.8933 | 0.8700 | 0.0074 | 100.0000 | 0.0000 |
| SRR11487932 | 11        | 0.8887 | 0.0046 | 4.3116 | 0.8733 | 0.0076 | 100.0000 | 0.0000 |
| SRR11487933 | 11        | 0.8919 | 0.0043 | 5.7939 | 0.8817 | 0.0072 | 100.0000 | 0.0000 |
| SRR11487934 | 11        | 0.8780 | 0.0042 | 5.4343 | 0.8834 | 0.0076 | 100.0000 | 0.0000 |
| SRR11487935 | 11        | 0.8971 | 0.0040 | 4.7080 | 0.8900 | 0.0069 | 100.0000 | 0.0000 |
| Average     | 11        | 0.8919 | 0.0044 | 5.0282 | 0.8797 | 0.0074 | 100.0000 | 0.0000 |

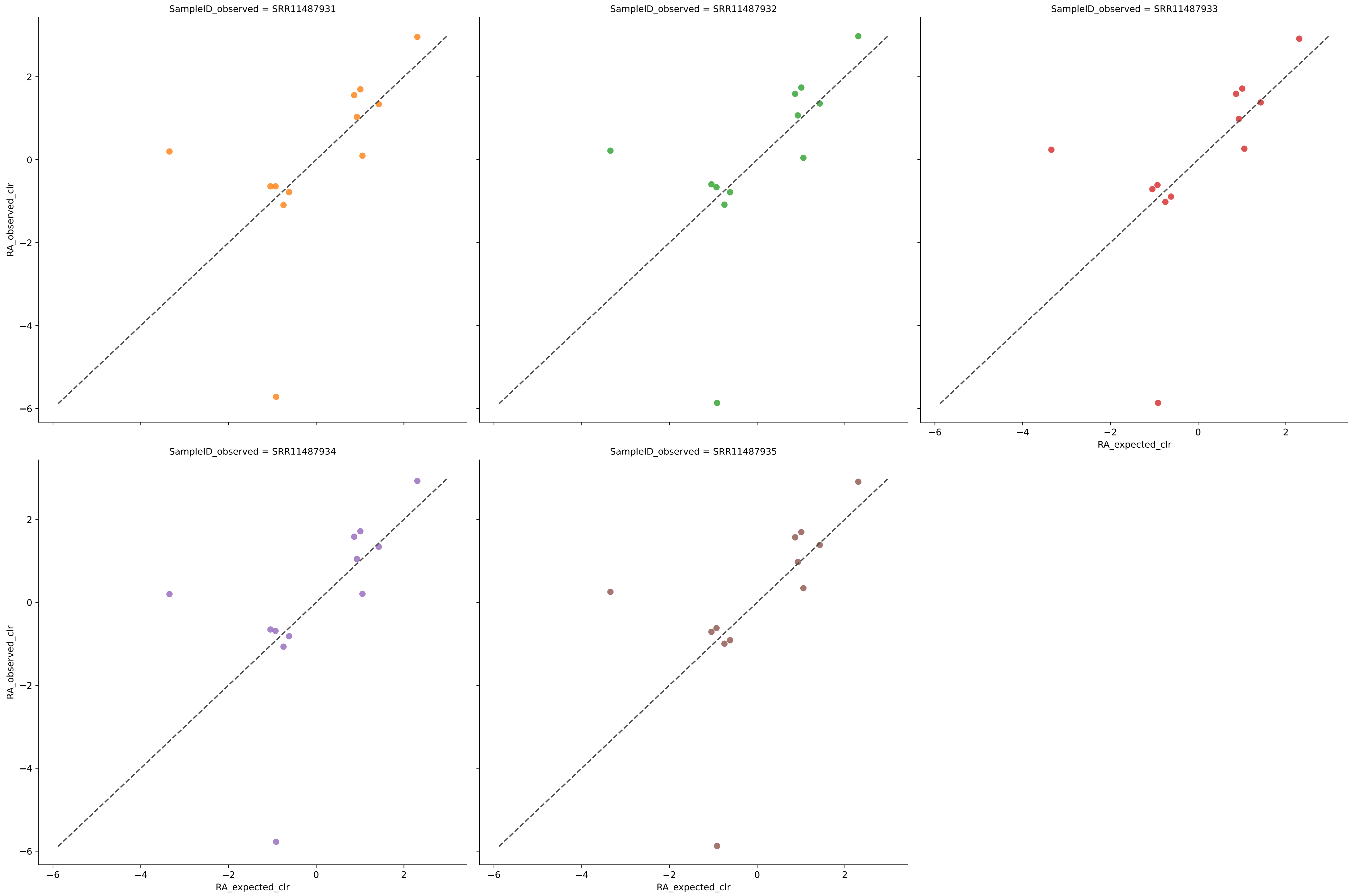


Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos hilo with filter 0.01



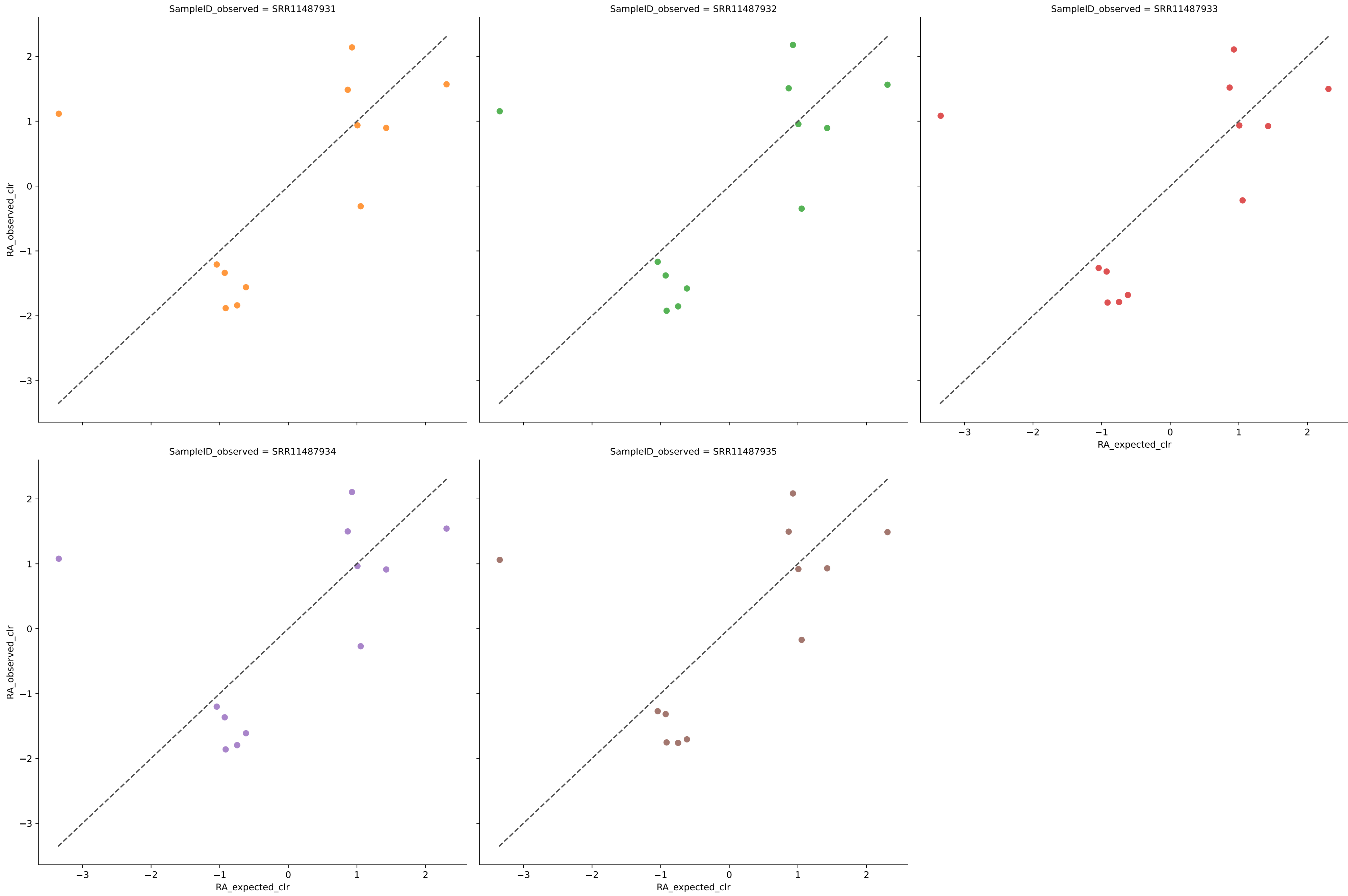
|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 11        | 0.8874         | 0.0063 | 3.4108 | 0.8264 | 0.0083 | 90.9091  | 0.0000 |
| SRR11487932 | 11        | 0.8795         | 0.0064 | 9.0593 | 0.8245 | 0.0085 | 100.0000 | 0.0000 |
| SRR11487933 | 11        | 0.8947         | 0.0060 | 3.3104 | 0.8362 | 0.0077 | 90.9091  | 0.0000 |
| SRR11487934 | 11        | 0.8845         | 0.0062 | 3.4058 | 0.8293 | 0.0081 | 90.9091  | 0.0000 |
| SRR11487935 | 11        | 0.9020         | 0.0059 | 3.3000 | 0.8380 | 0.0075 | 90.9091  | 0.0000 |
| Average     | 11        | 0.8896         | 0.0061 | 4.4972 | 0.8309 | 0.0081 | 92.7273  | 0.0000 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos hilo with filter 0.01



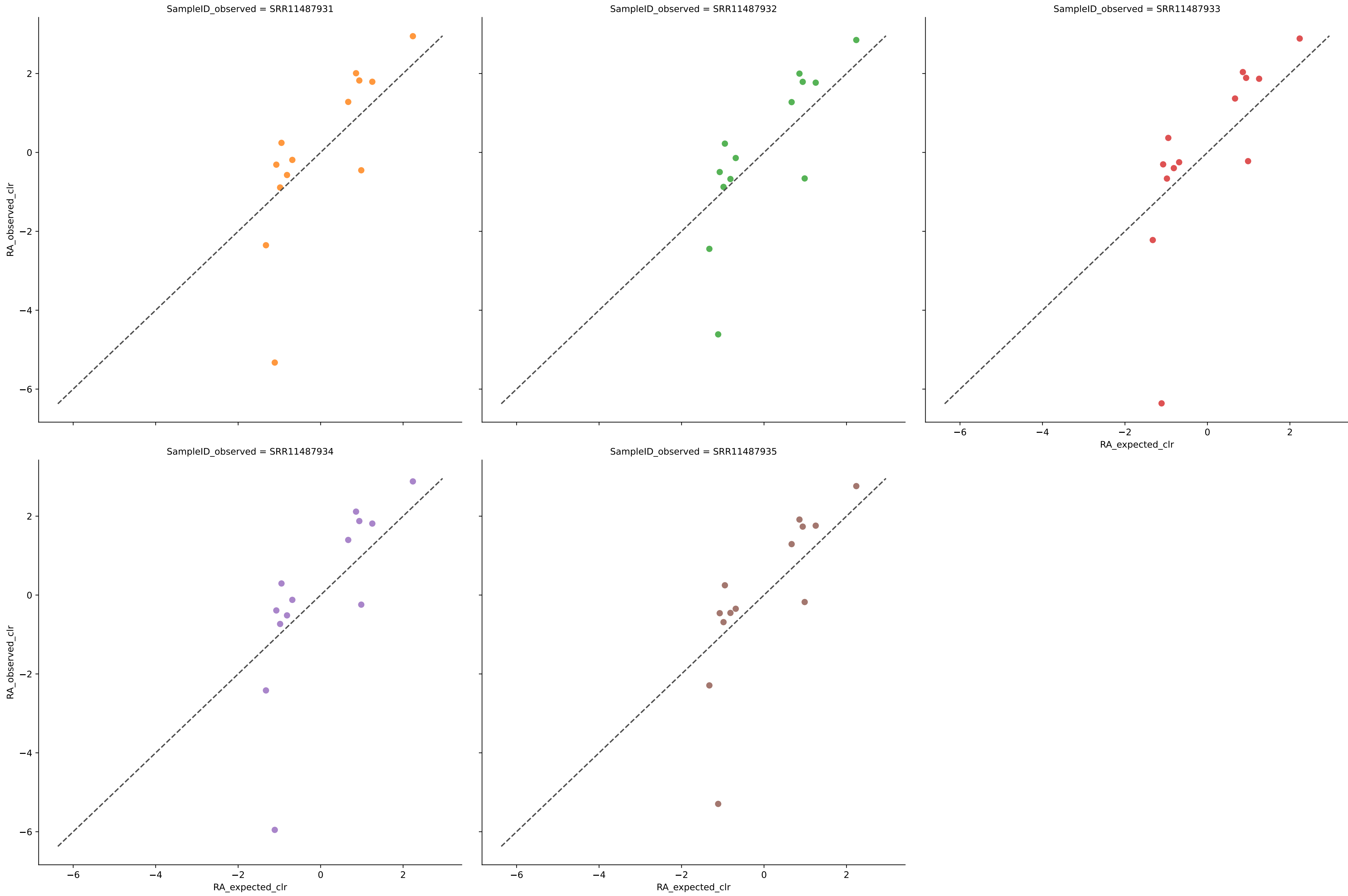
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 12        | 0.8975 | 0.0066 | 6.1912 | 0.8011 | 0.0091 | 100.0000 | 3.0275 |
| SRR11487932 | 12        | 0.8950 | 0.0067 | 6.3386 | 0.7997 | 0.0091 | 100.0000 | 3.0185 |
| SRR11487933 | 12        | 0.9025 | 0.0064 | 6.3043 | 0.8076 | 0.0084 | 100.0000 | 3.1811 |
| SRR11487934 | 12        | 0.8998 | 0.0065 | 6.2180 | 0.8062 | 0.0086 | 100.0000 | 3.0472 |
| SRR11487935 | 12        | 0.9061 | 0.0063 | 6.3046 | 0.8111 | 0.0083 | 100.0000 | 3.2440 |
| Average     | 12        | 0.9002 | 0.0065 | 6.2714 | 0.8051 | 0.0087 | 100.0000 | 3.1036 |

Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos hilo with filter 0.01



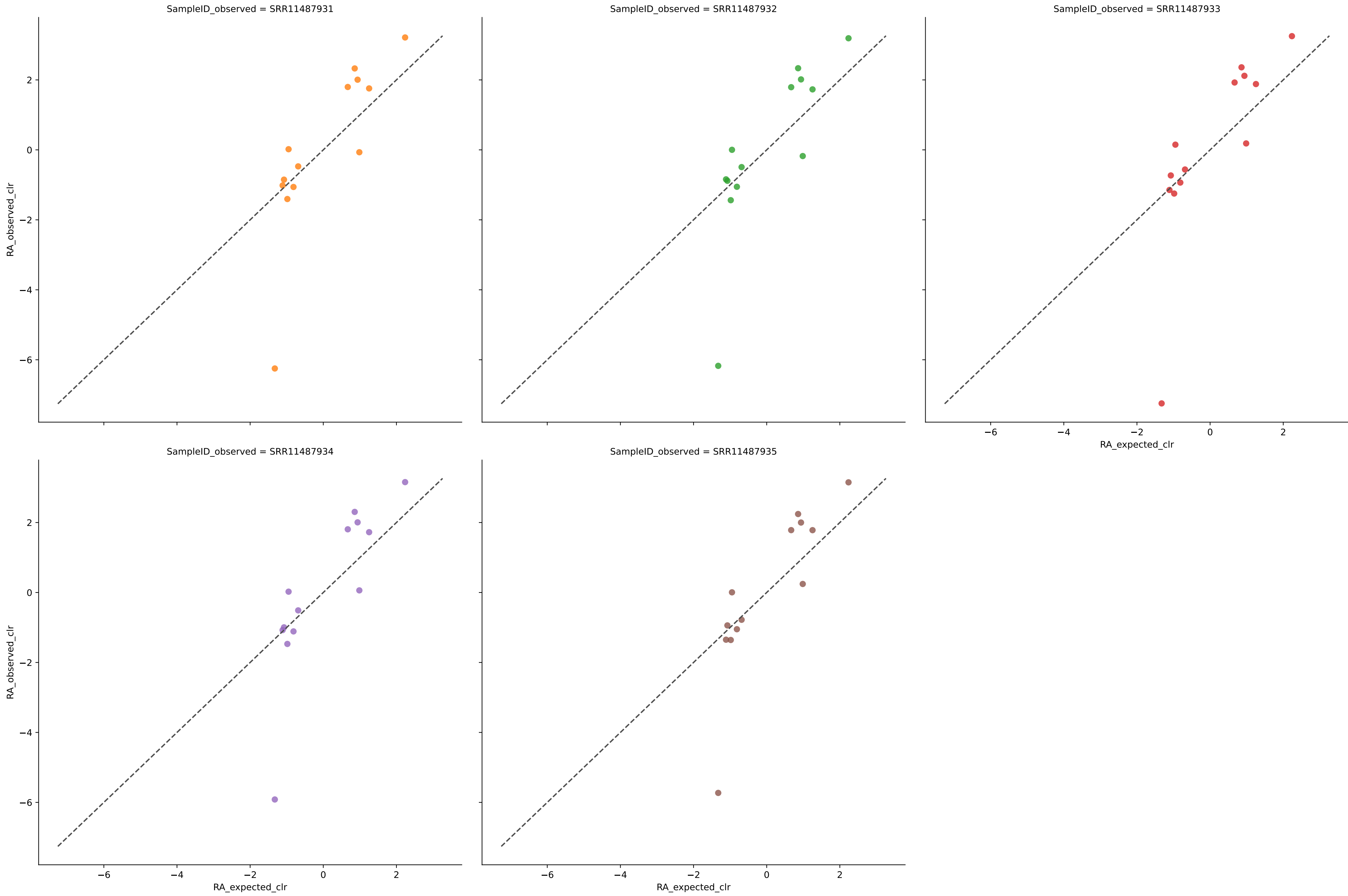
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487931 | 12        | 0.2278 | 0.0132 | 5.2590 | 0.6041 | 0.0195 | 100.0000 | 11.0680 |
| SRR11487932 | 12        | 0.2097 | 0.0135 | 5.3295 | 0.5953 | 0.0199 | 100.0000 | 11.2834 |
| SRR11487933 | 12        | 0.2149 | 0.0132 | 5.2113 | 0.6029 | 0.0196 | 100.0000 | 10.8891 |
| SRR11487934 | 12        | 0.2320 | 0.0130 | 5.2128 | 0.6093 | 0.0193 | 100.0000 | 10.7851 |
| SRR11487935 | 12        | 0.2217 | 0.0131 | 5.1676 | 0.6078 | 0.0194 | 100.0000 | 10.7890 |
| Average     | 12        | 0.2212 | 0.0132 | 5.2360 | 0.6039 | 0.0196 | 100.0000 | 10.9629 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos hilo with filter 0.01



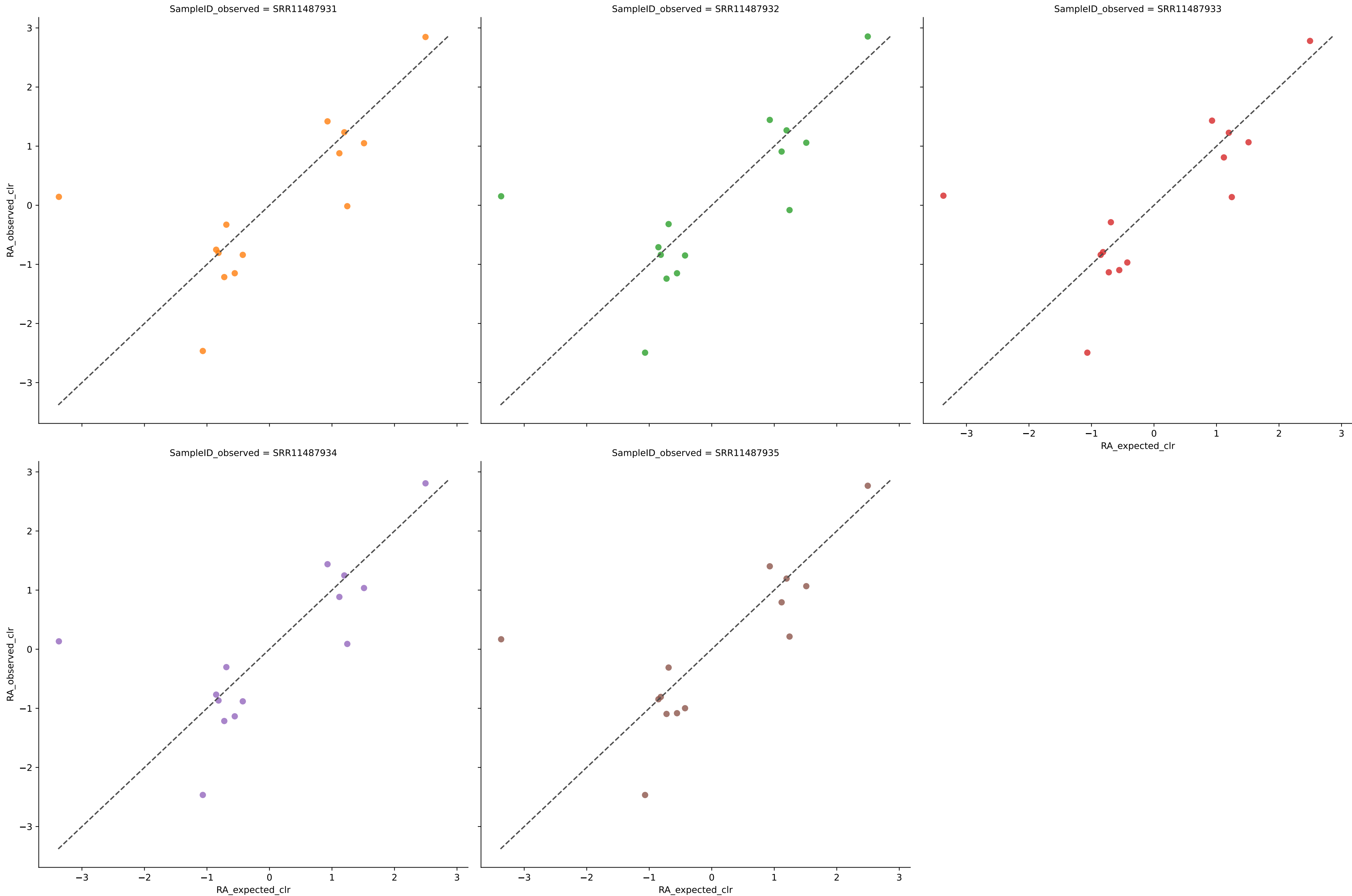
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 13        | 0.9049 | 0.0044 | 5.1460 | 0.8582 | 0.0069 | 100.0000 | 0.0000 |
| SRR11487932 | 13        | 0.8911 | 0.0042 | 4.6129 | 0.8633 | 0.0071 | 100.0000 | 0.0000 |
| SRR11487933 | 13        | 0.8945 | 0.0039 | 6.0159 | 0.8731 | 0.0067 | 100.0000 | 0.0000 |
| SRR11487934 | 13        | 0.8808 | 0.0042 | 5.6867 | 0.8651 | 0.0071 | 100.0000 | 0.0000 |
| SRR11487935 | 13        | 0.8995 | 0.0037 | 4.9587 | 0.8790 | 0.0064 | 100.0000 | 0.0000 |
| Average     | 13        | 0.8942 | 0.0041 | 5.2840 | 0.8677 | 0.0068 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for species using jams in Experiment Amos hilo with filter 0.01



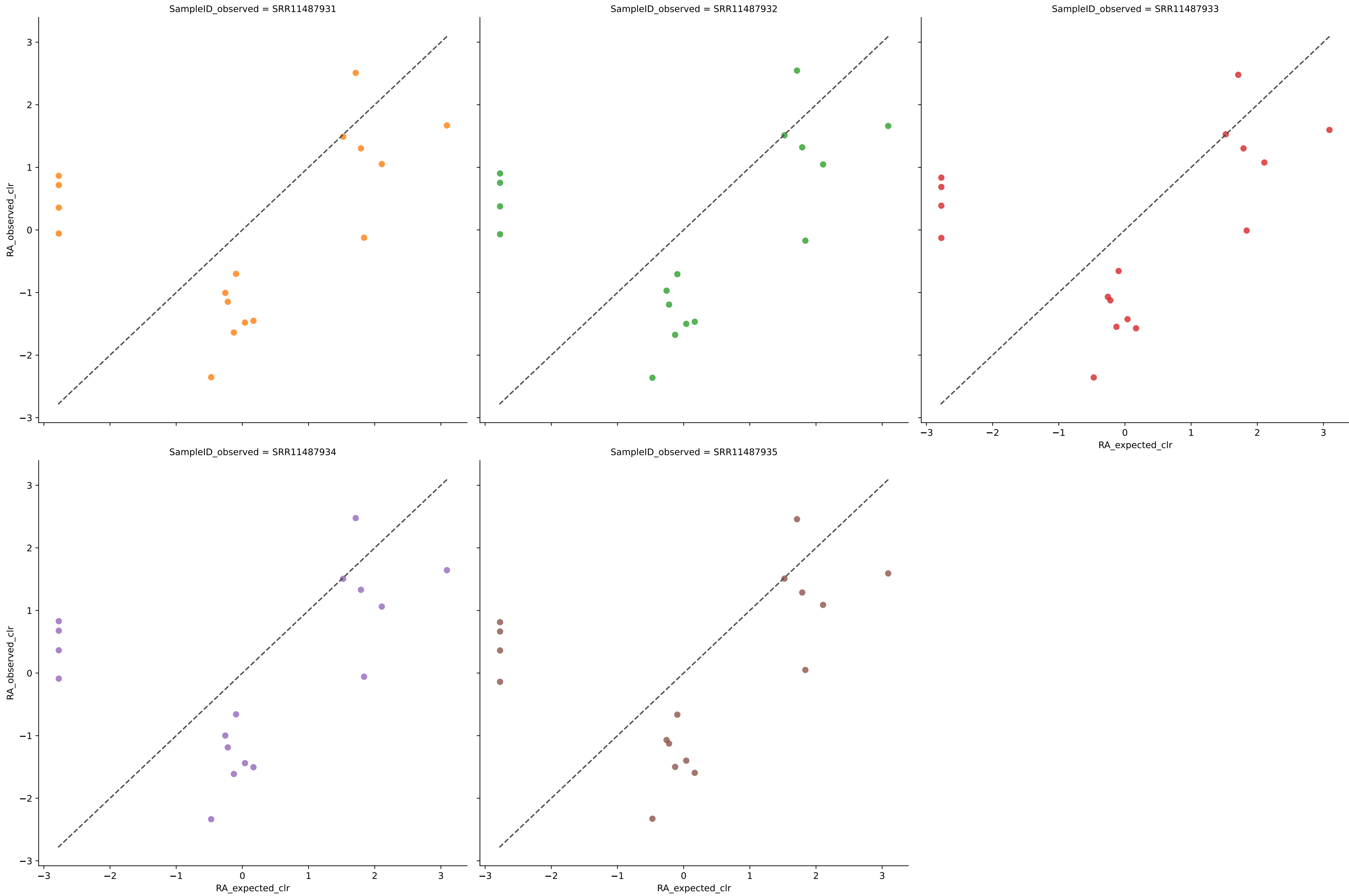
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 13        | 0.8897 | 0.0058 | 5.6929 | 0.8131 | 0.0081 | 100.0000 | 0.0000 |
| SRR11487932 | 13        | 0.8824 | 0.0058 | 5.6482 | 0.8105 | 0.0082 | 100.0000 | 0.0000 |
| SRR11487933 | 13        | 0.8939 | 0.0055 | 6.6166 | 0.8202 | 0.0076 | 100.0000 | 0.0000 |
| SRR11487934 | 13        | 0.8857 | 0.0057 | 5.3695 | 0.8145 | 0.0079 | 100.0000 | 0.0000 |
| SRR11487935 | 13        | 0.9016 | 0.0054 | 5.1502 | 0.8232 | 0.0074 | 100.0000 | 0.0000 |
| Average     | 13        | 0.8907 | 0.0057 | 5.6954 | 0.8163 | 0.0078 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos hilo with filter 0.01



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487931 | 14        | 0.8987 | 0.0056 | 4.1735 | 0.8023 | 0.0088 | 100.0000 | 3.2957 |
| SRR11487932 | 14        | 0.8972 | 0.0056 | 4.2199 | 0.8024 | 0.0087 | 100.0000 | 3.2920 |
| SRR11487933 | 14        | 0.9037 | 0.0054 | 4.1564 | 0.8120 | 0.0081 | 100.0000 | 3.4636 |
| SRR11487934 | 14        | 0.9017 | 0.0054 | 4.1405 | 0.8097 | 0.0083 | 100.0000 | 3.3153 |
| SRR11487935 | 14        | 0.9072 | 0.0053 | 4.1258 | 0.8146 | 0.0080 | 100.0000 | 3.5292 |
| Average     | 14        | 0.9017 | 0.0055 | 4.1632 | 0.8082 | 0.0084 | 100.0000 | 3.3792 |

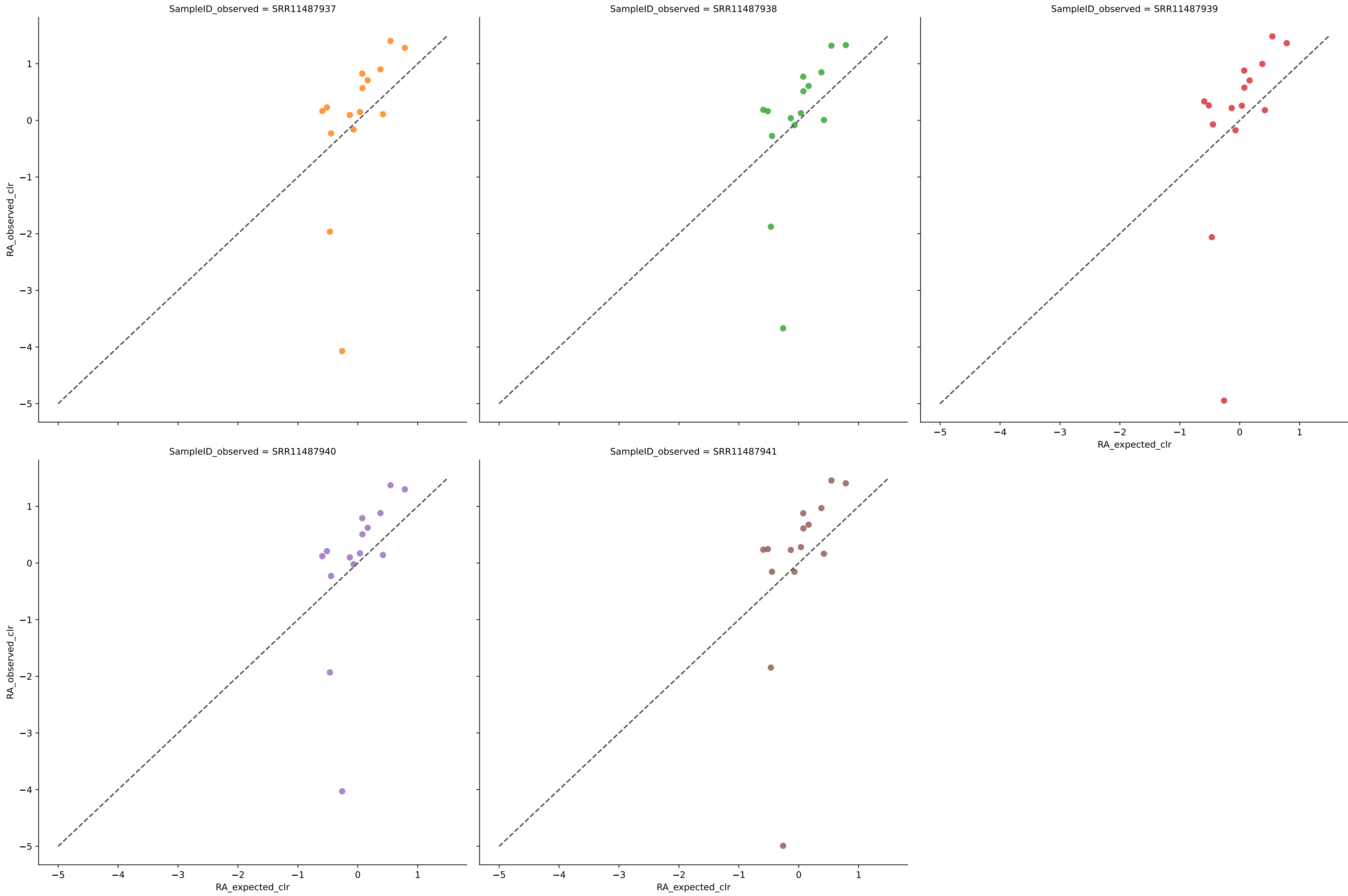
Expected vs. Observed Relative Abundance for species using wol in Experiment Amos hilo with filter 0.01



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487931 | 17        | 0.2214 | 0.0104 | 7.9382 | 0.5561 | 0.0174 | 100.0000 | 17.7903 |
| SRR11487932 | 17        | 0.2065 | 0.0106 | 8.0108 | 0.5480 | 0.0178 | 100.0000 | 17.9546 |
| SRR11487933 | 17        | 0.2124 | 0.0104 | 7.8785 | 0.5567 | 0.0175 | 100.0000 | 17.6438 |
| SRR11487934 | 17        | 0.2267 | 0.0103 | 7.8734 | 0.5627 | 0.0172 | 100.0000 | 17.5159 |
| SRR11487935 | 17        | 0.2191 | 0.0103 | 7.8145 | 0.5620 | 0.0173 | 100.0000 | 17.4761 |
| Average     | 17        | 0.2172 | 0.0104 | 7.9031 | 0.5571 | 0.0174 | 100.0000 | 17.6761 |

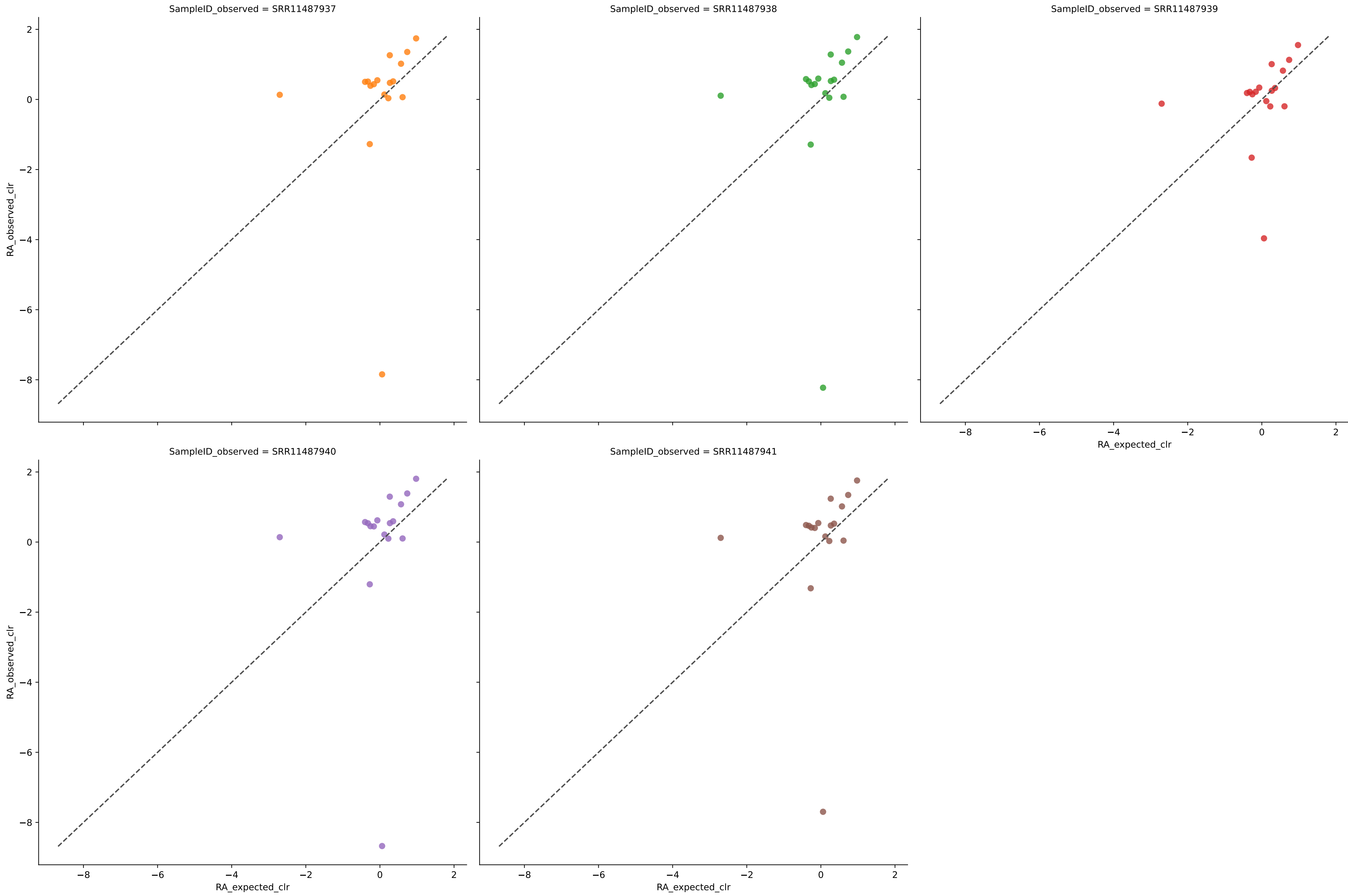


Expected vs. Observed Relative Abundance for genus using bio4 in Experiment Amos mixed with filter 0.01



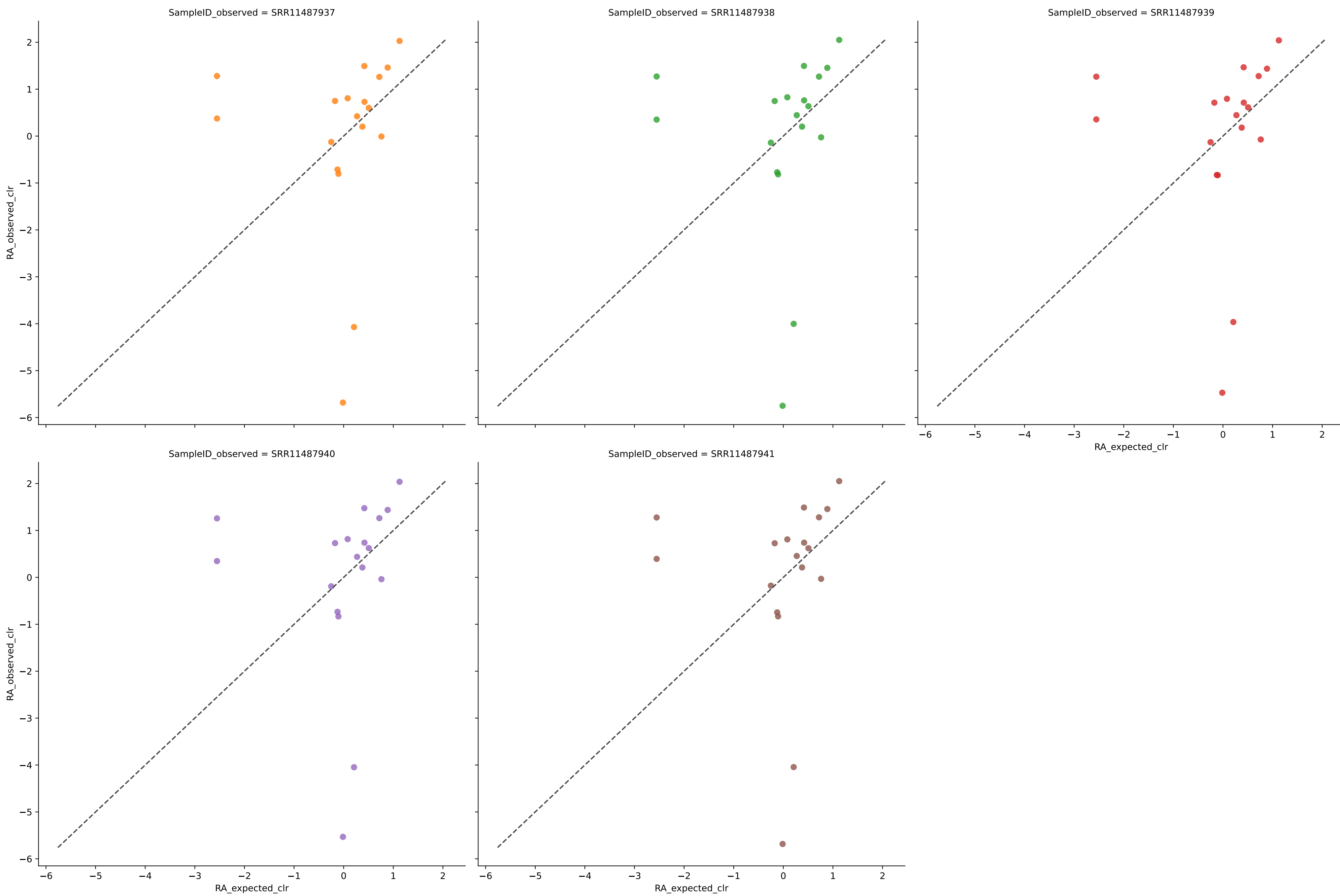
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 15        | 0.6595 | 0.0047 | 4.5249 | 0.8220 | 0.0058 | 100.0000 | 0.0000 |
| SRR11487938 | 15        | 0.6856 | 0.0047 | 4.1118 | 0.8243 | 0.0057 | 100.0000 | 0.0000 |
| SRR11487939 | 15        | 0.6543 | 0.0046 | 5.3975 | 0.8253 | 0.0059 | 100.0000 | 0.0000 |
| SRR11487940 | 15        | 0.6903 | 0.0044 | 4.4374 | 0.8336 | 0.0055 | 100.0000 | 0.0000 |
| SRR11487941 | 15        | 0.6856 | 0.0046 | 5.3530 | 0.8267 | 0.0058 | 100.0000 | 0.0000 |
| Average     | 15        | 0.6751 | 0.0046 | 4.7649 | 0.8264 | 0.0057 | 100.0000 | 0.0000 |

Expected vs. Observed Relative Abundance for genus using jams in Experiment Amos mixed with filter 0.01



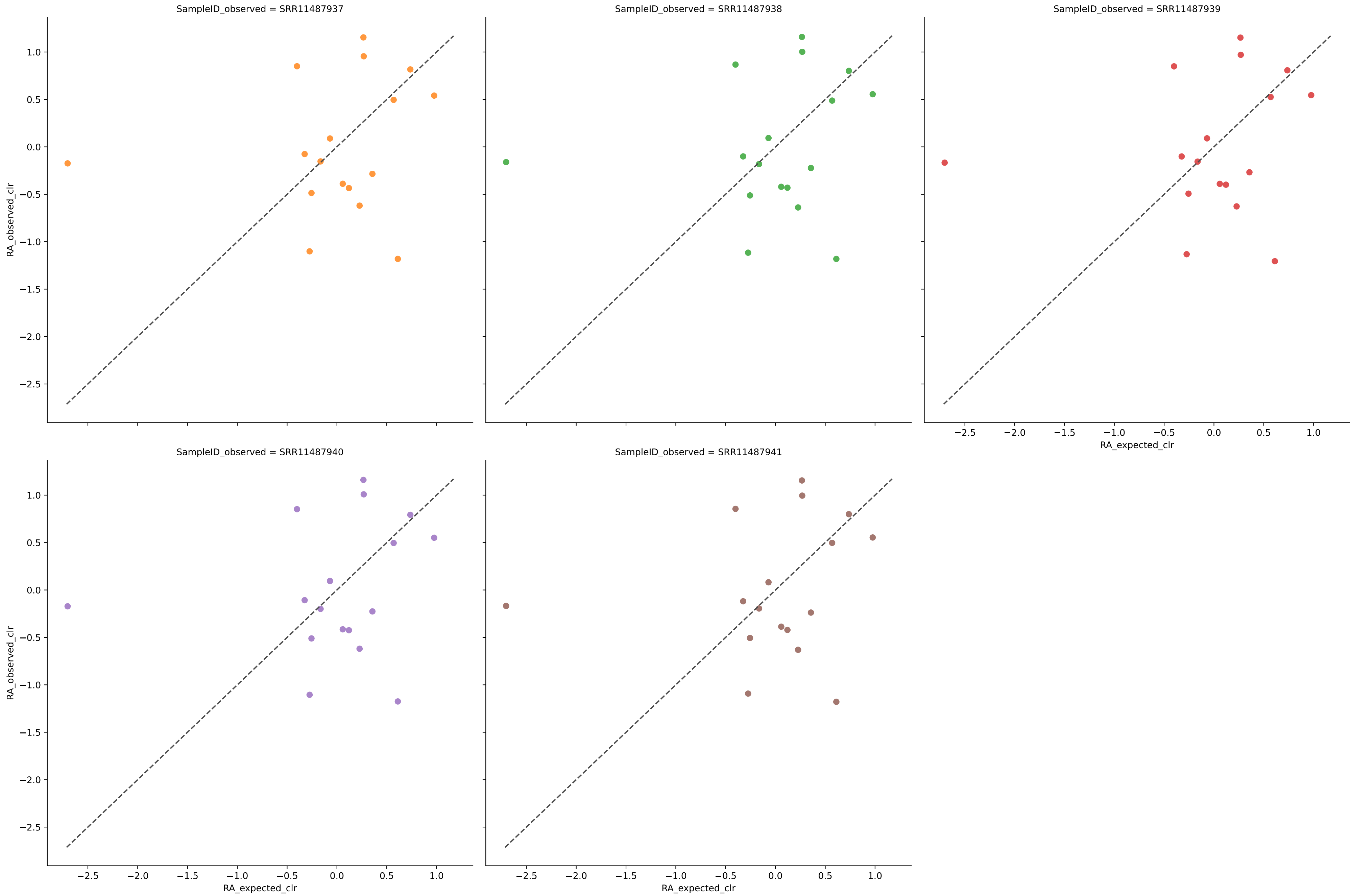
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 17        | 0.4949 | 0.0050 | 8.7603 | 0.7860 | 0.0060 | 100.0000 | 3.5782 |
| SRR11487938 | 17        | 0.4992 | 0.0050 | 9.1226 | 0.7866 | 0.0061 | 100.0000 | 3.3929 |
| SRR11487939 | 17        | 0.5175 | 0.0049 | 5.2768 | 0.7888 | 0.0060 | 93.7500  | 3.4890 |
| SRR11487940 | 17        | 0.5042 | 0.0050 | 9.5441 | 0.7883 | 0.0060 | 100.0000 | 3.4232 |
| SRR11487941 | 17        | 0.5031 | 0.0050 | 8.6214 | 0.7870 | 0.0061 | 100.0000 | 3.5554 |
| Average     | 17        | 0.5038 | 0.0050 | 8.2650 | 0.7874 | 0.0060 | 98.7500  | 3.4877 |

Expected vs. Observed Relative Abundance for genus using wgsa in Experiment Amos mixed with filter 0.01



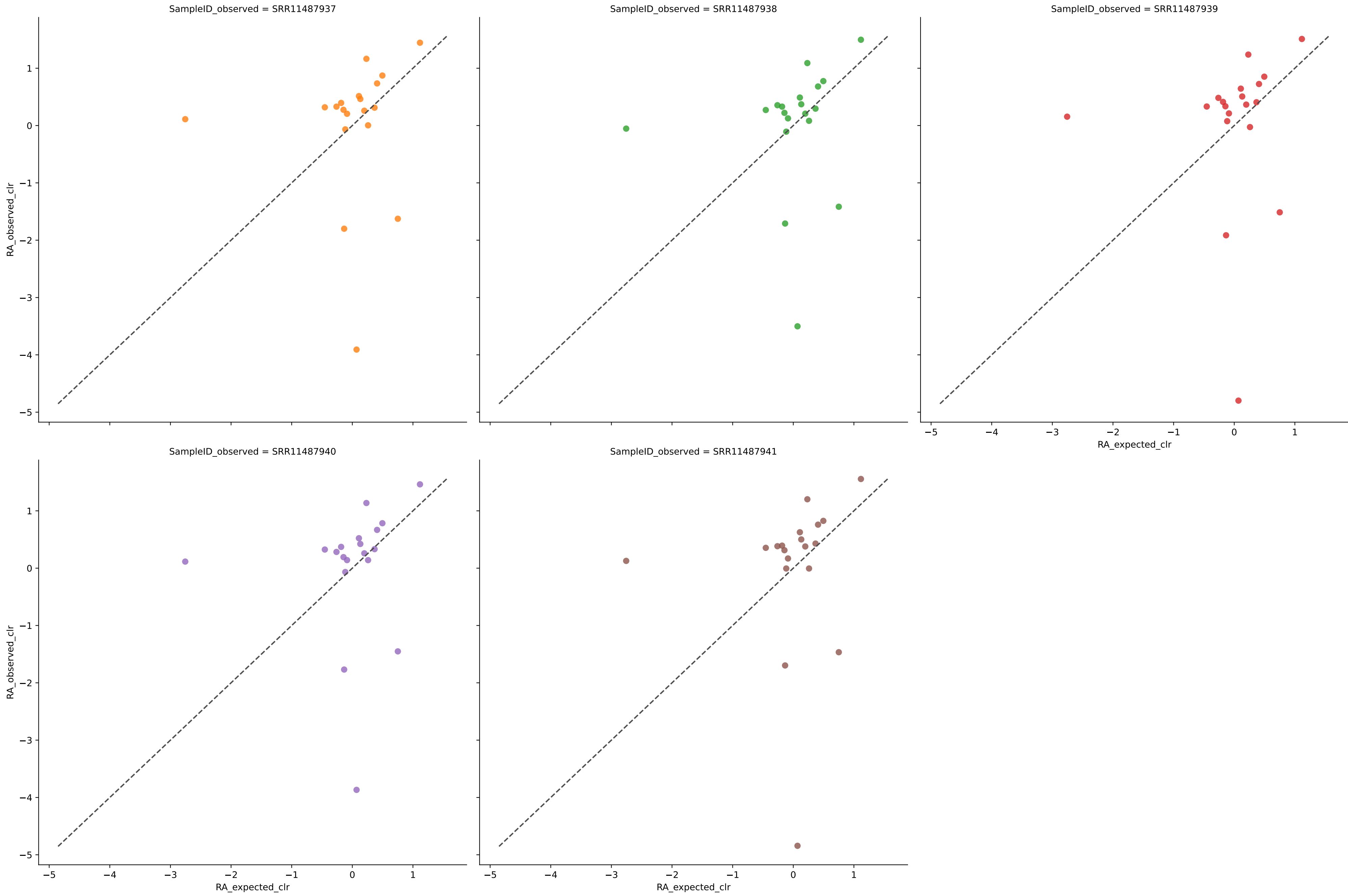
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 18        | 0.3136 | 0.0065 | 8.9036 | 0.7055 | 0.0081 | 100.0000 | 13.0282 |
| SRR11487938 | 18        | 0.3220 | 0.0065 | 8.9152 | 0.7066 | 0.0081 | 100.0000 | 12.7690 |
| SRR11487939 | 18        | 0.3195 | 0.0066 | 8.7175 | 0.7042 | 0.0081 | 100.0000 | 12.9591 |
| SRR11487940 | 18        | 0.3227 | 0.0065 | 8.7816 | 0.7069 | 0.0081 | 100.0000 | 12.8020 |
| SRR11487941 | 18        | 0.3197 | 0.0066 | 8.9047 | 0.7048 | 0.0081 | 100.0000 | 12.9944 |
| Average     | 18        | 0.3195 | 0.0065 | 8.8445 | 0.7056 | 0.0081 | 100.0000 | 12.9105 |

Expected vs. Observed Relative Abundance for genus using wol in Experiment Amos mixed with filter 0.01



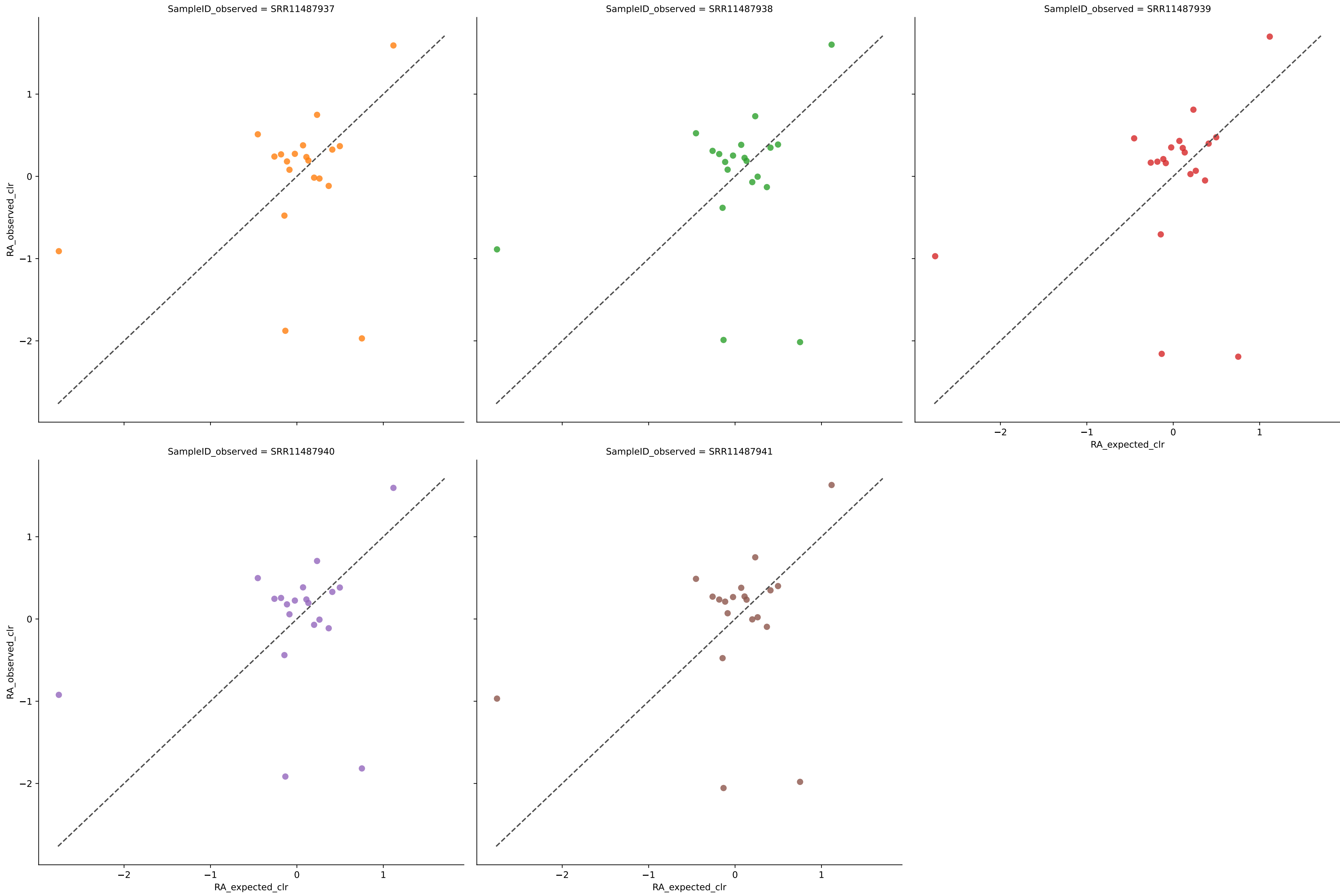
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 17        | 0.0781 | 0.0066 | 3.8855 | 0.7214 | 0.0085 | 100.0000 | 3.9418 |
| SRR11487938 | 17        | 0.0761 | 0.0066 | 3.9092 | 0.7185 | 0.0086 | 100.0000 | 3.9699 |
| SRR11487939 | 17        | 0.0795 | 0.0065 | 3.9022 | 0.7234 | 0.0085 | 100.0000 | 3.9599 |
| SRR11487940 | 17        | 0.0777 | 0.0066 | 3.8875 | 0.7197 | 0.0085 | 100.0000 | 3.9318 |
| SRR11487941 | 17        | 0.0788 | 0.0066 | 3.8851 | 0.7213 | 0.0085 | 100.0000 | 3.9541 |
| Average     | 17        | 0.0780 | 0.0066 | 3.8939 | 0.7208 | 0.0085 | 100.0000 | 3.9515 |

Expected vs. Observed Relative Abundance for species using bio4 in Experiment Amos mixed with filter 0.01



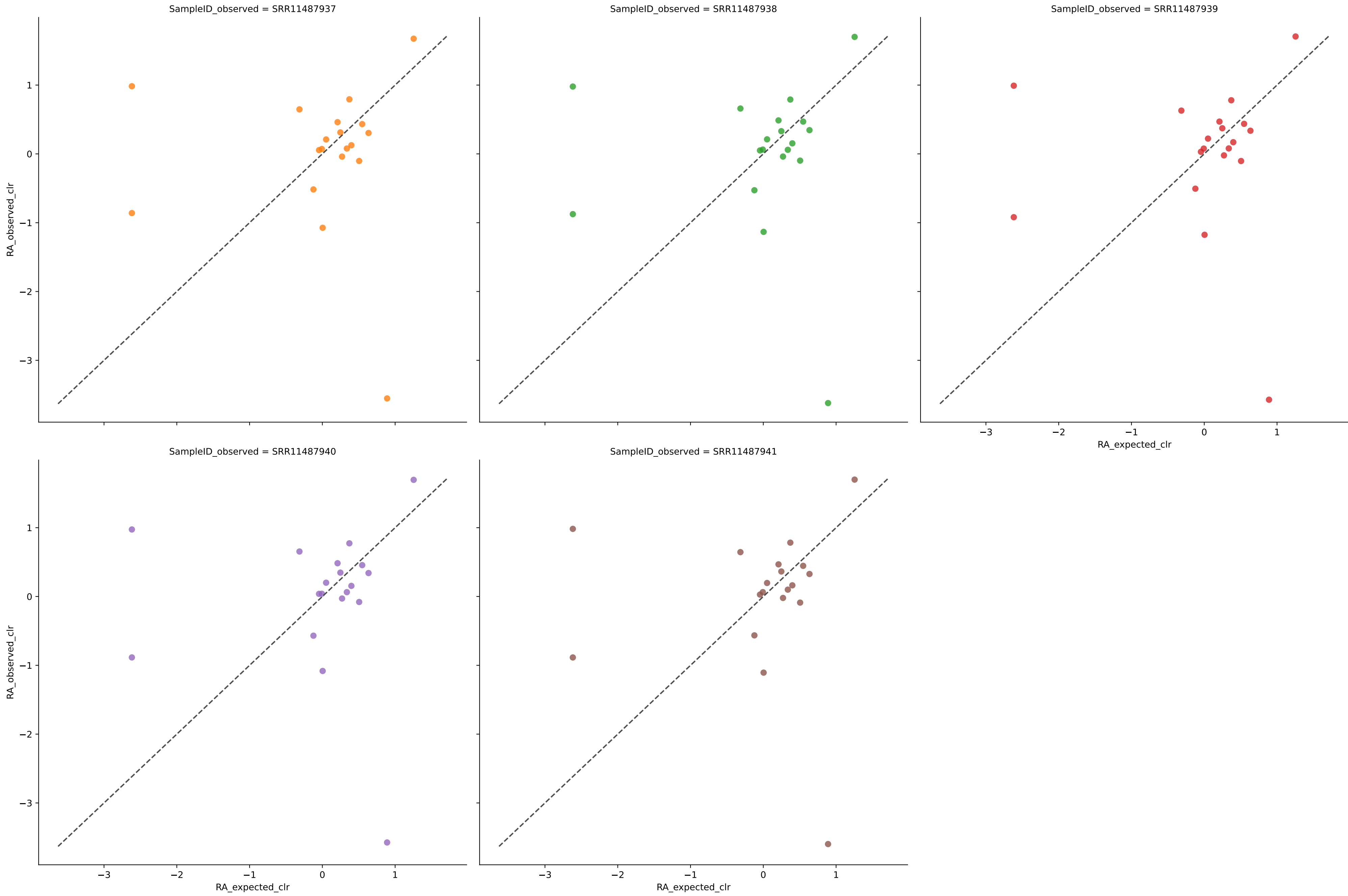
|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 19        | 0.2750 | 0.0046 | 5.9654 | 0.7820 | 0.0062 | 100.0000 | 3.9799 |
| SRR11487938 | 19        | 0.3349 | 0.0044 | 5.4644 | 0.7892 | 0.0060 | 100.0000 | 3.4926 |
| SRR11487939 | 19        | 0.2702 | 0.0045 | 6.6548 | 0.7857 | 0.0062 | 100.0000 | 3.9371 |
| SRR11487940 | 19        | 0.2963 | 0.0043 | 5.8315 | 0.7928 | 0.0061 | 100.0000 | 4.0588 |
| SRR11487941 | 19        | 0.3061 | 0.0044 | 6.5860 | 0.7880 | 0.0061 | 100.0000 | 3.8522 |
| Average     | 19        | 0.2965 | 0.0045 | 6.1004 | 0.7876 | 0.0061 | 100.0000 | 3.8641 |

Expected vs. Observed Relative Abundance for species using jams in Experiment Amos mixed with filter 0.01



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA   |
|-------------|-----------|--------|--------|--------|--------|--------|----------|--------|
| SRR11487937 | 20        | 0.3930 | 0.0042 | 4.0676 | 0.7898 | 0.0058 | 100.0000 | 1.5607 |
| SRR11487938 | 20        | 0.3898 | 0.0042 | 4.1620 | 0.7891 | 0.0059 | 100.0000 | 1.5860 |
| SRR11487939 | 20        | 0.4313 | 0.0041 | 4.3416 | 0.7937 | 0.0058 | 100.0000 | 1.4003 |
| SRR11487940 | 20        | 0.4043 | 0.0042 | 3.9628 | 0.7923 | 0.0058 | 100.0000 | 1.5503 |
| SRR11487941 | 20        | 0.4099 | 0.0041 | 4.1242 | 0.7927 | 0.0058 | 100.0000 | 1.4507 |
| Average     | 20        | 0.4057 | 0.0042 | 4.1317 | 0.7915 | 0.0058 | 100.0000 | 1.5096 |

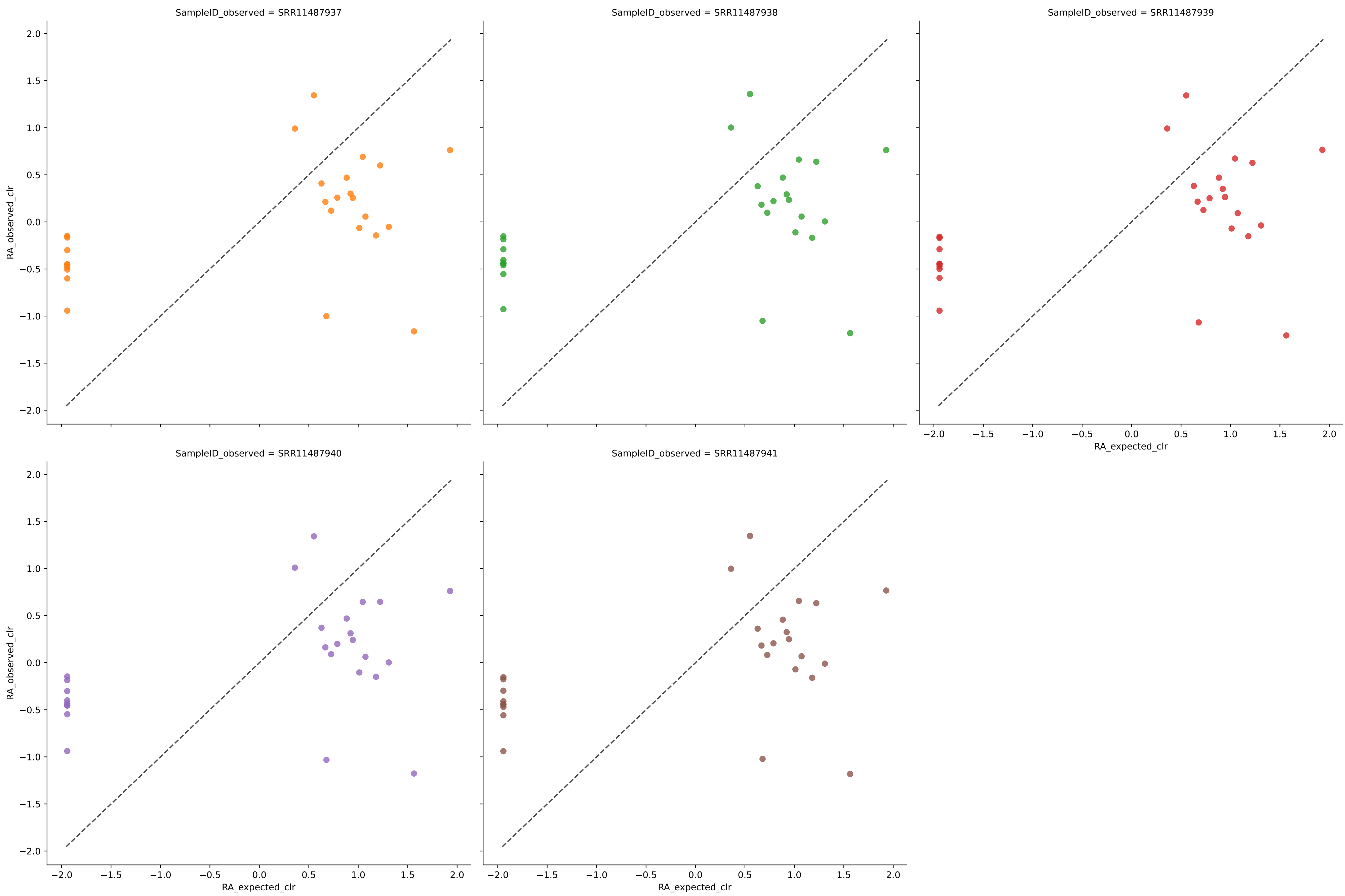
Expected vs. Observed Relative Abundance for species using wgsa in Experiment Amos mixed with filter 0.01



|             | Diversity | R^2    | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|--------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 19        | 0.1996 | 0.0054 | 6.2636 | 0.7431 | 0.0078 | 100.0000 | 11.5505 |
| SRR11487938 | 19        | 0.2109 | 0.0054 | 6.3167 | 0.7436 | 0.0078 | 100.0000 | 11.3533 |
| SRR11487939 | 19        | 0.2121 | 0.0054 | 6.2777 | 0.7432 | 0.0078 | 100.0000 | 11.4097 |
| SRR11487940 | 19        | 0.2124 | 0.0053 | 6.2672 | 0.7444 | 0.0078 | 100.0000 | 11.3468 |
| SRR11487941 | 19        | 0.2113 | 0.0053 | 6.2909 | 0.7444 | 0.0078 | 100.0000 | 11.4060 |
| Average     | 19        | 0.2093 | 0.0053 | 6.2832 | 0.7438 | 0.0078 | 100.0000 | 11.4133 |



Expected vs. Observed Relative Abundance for species using wol in Experiment Amos mixed with filter 0.01



|             | Diversity | R <sup>2</sup> | MAE    | AD     | 1-BC   | RMSE   | Sens     | FPRA    |
|-------------|-----------|----------------|--------|--------|--------|--------|----------|---------|
| SRR11487937 | 27        | 0.0995         | 0.0050 | 6.4365 | 0.6588 | 0.0068 | 100.0000 | 18.2358 |
| SRR11487938 | 27        | 0.0945         | 0.0051 | 6.5124 | 0.6561 | 0.0068 | 100.0000 | 18.5847 |
| SRR11487939 | 27        | 0.1013         | 0.0050 | 6.4645 | 0.6622 | 0.0068 | 100.0000 | 18.2311 |
| SRR11487940 | 27        | 0.0969         | 0.0050 | 6.5002 | 0.6577 | 0.0068 | 100.0000 | 18.6178 |
| SRR11487941 | 27        | 0.0982         | 0.0050 | 6.4887 | 0.6591 | 0.0068 | 100.0000 | 18.5604 |
| Average     | 27        | 0.0981         | 0.0050 | 6.4805 | 0.6588 | 0.0068 | 100.0000 | 18.4460 |