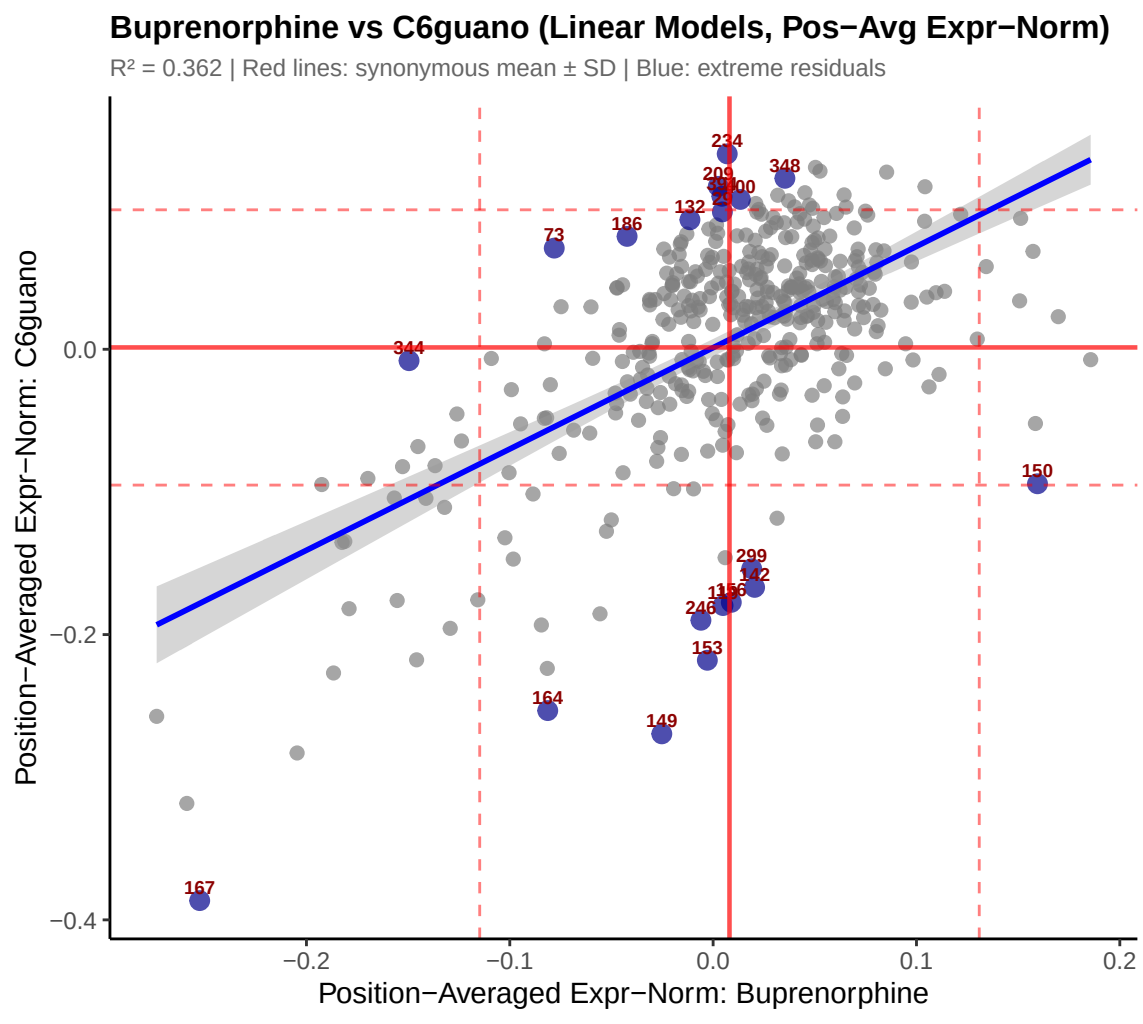
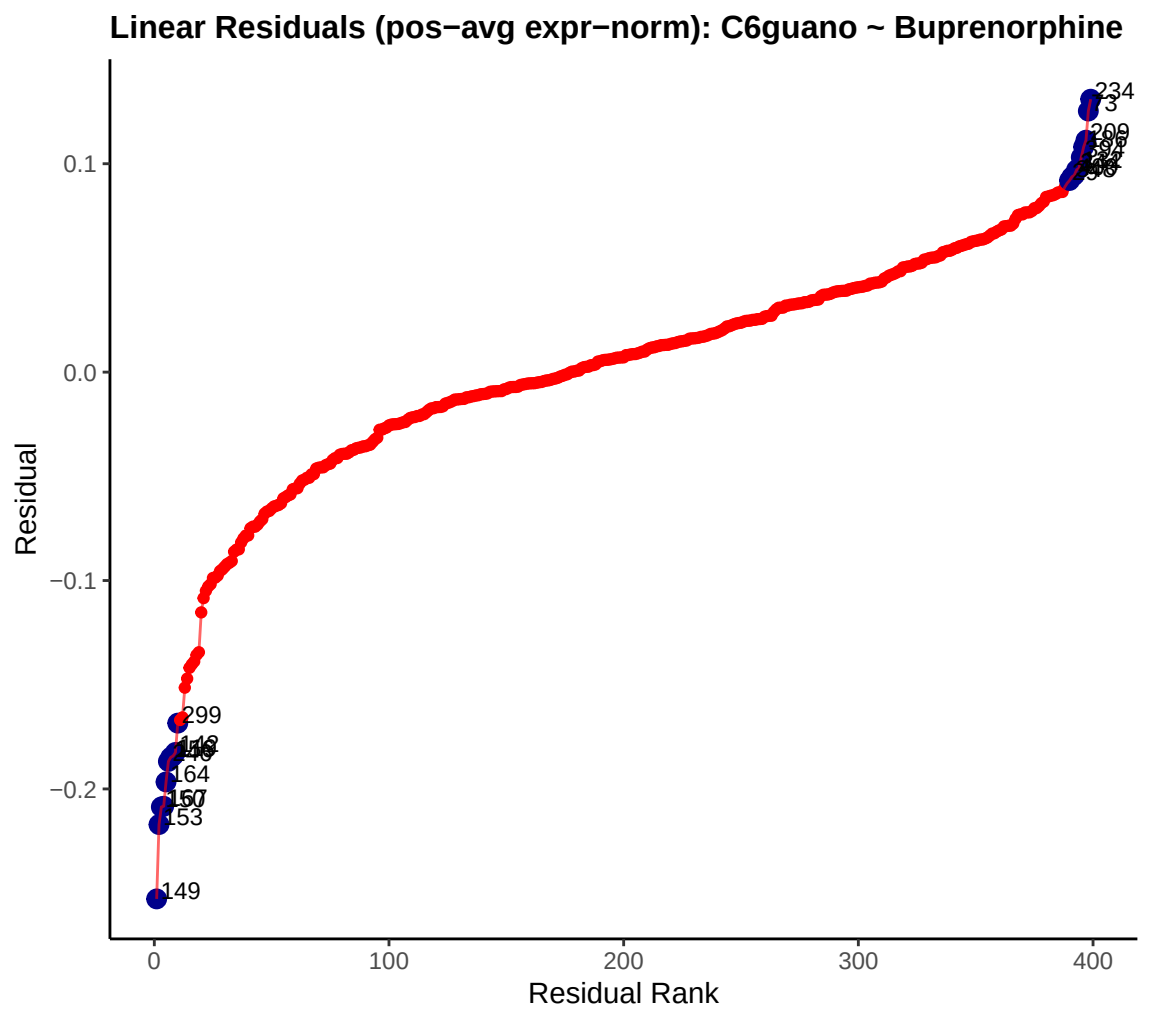
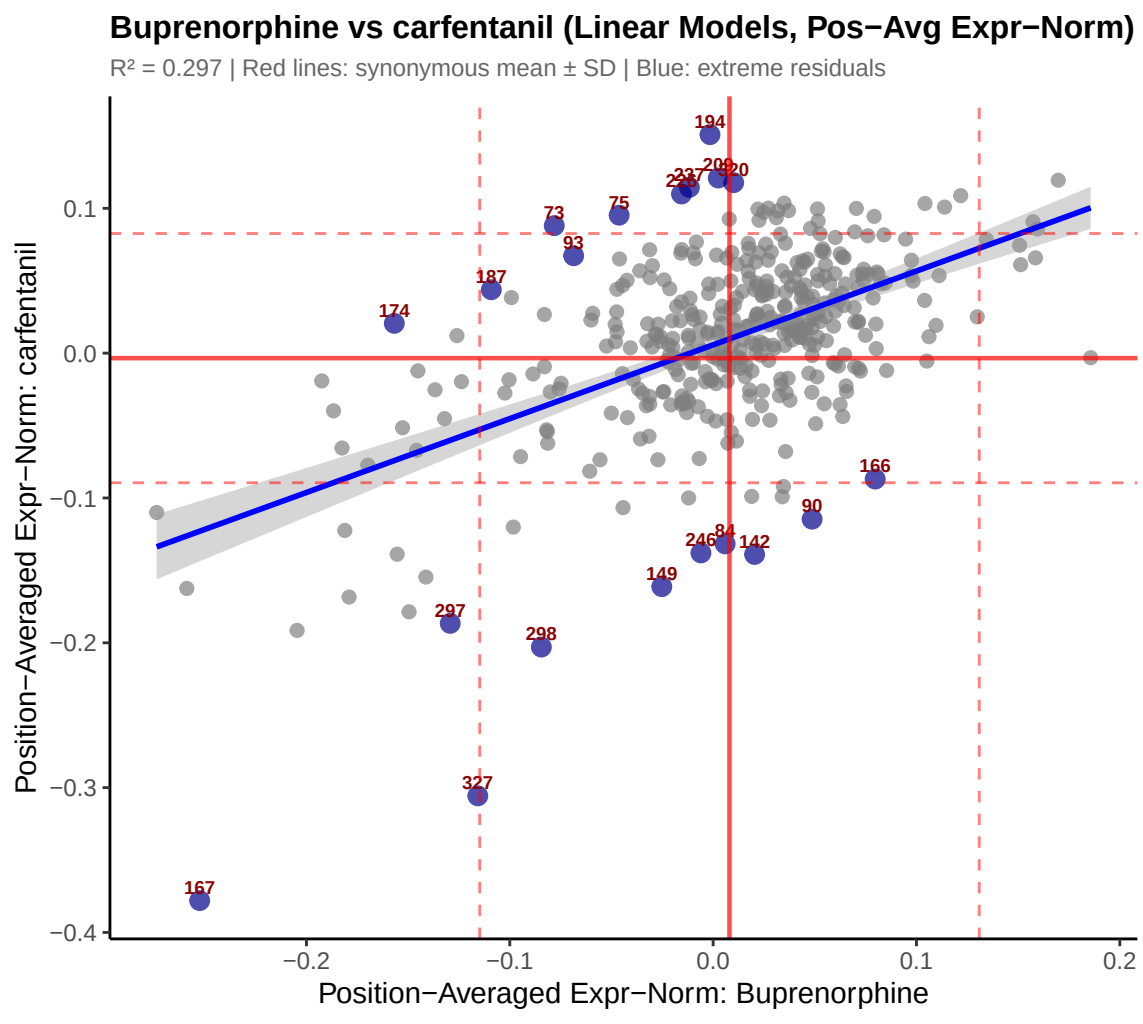
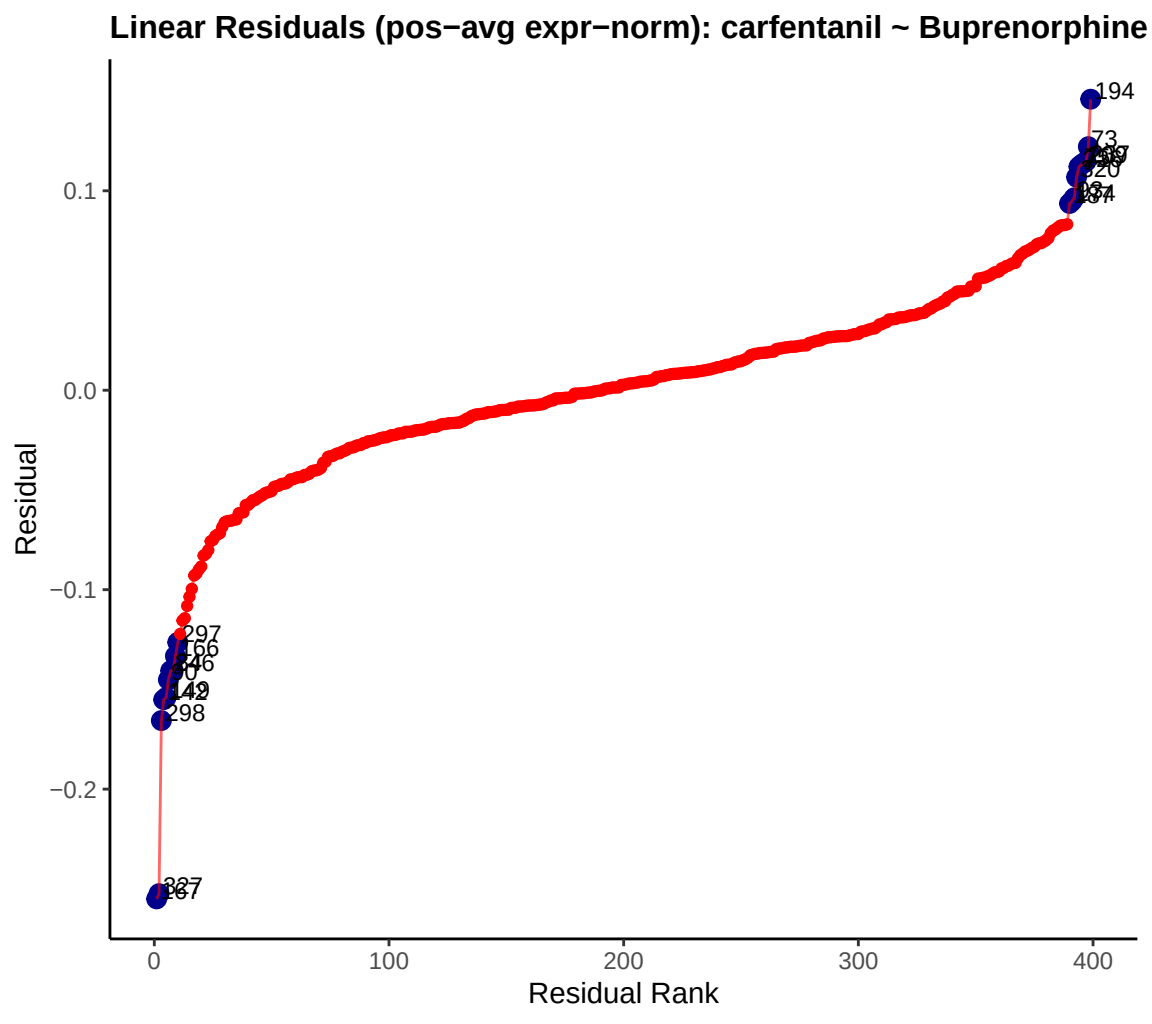
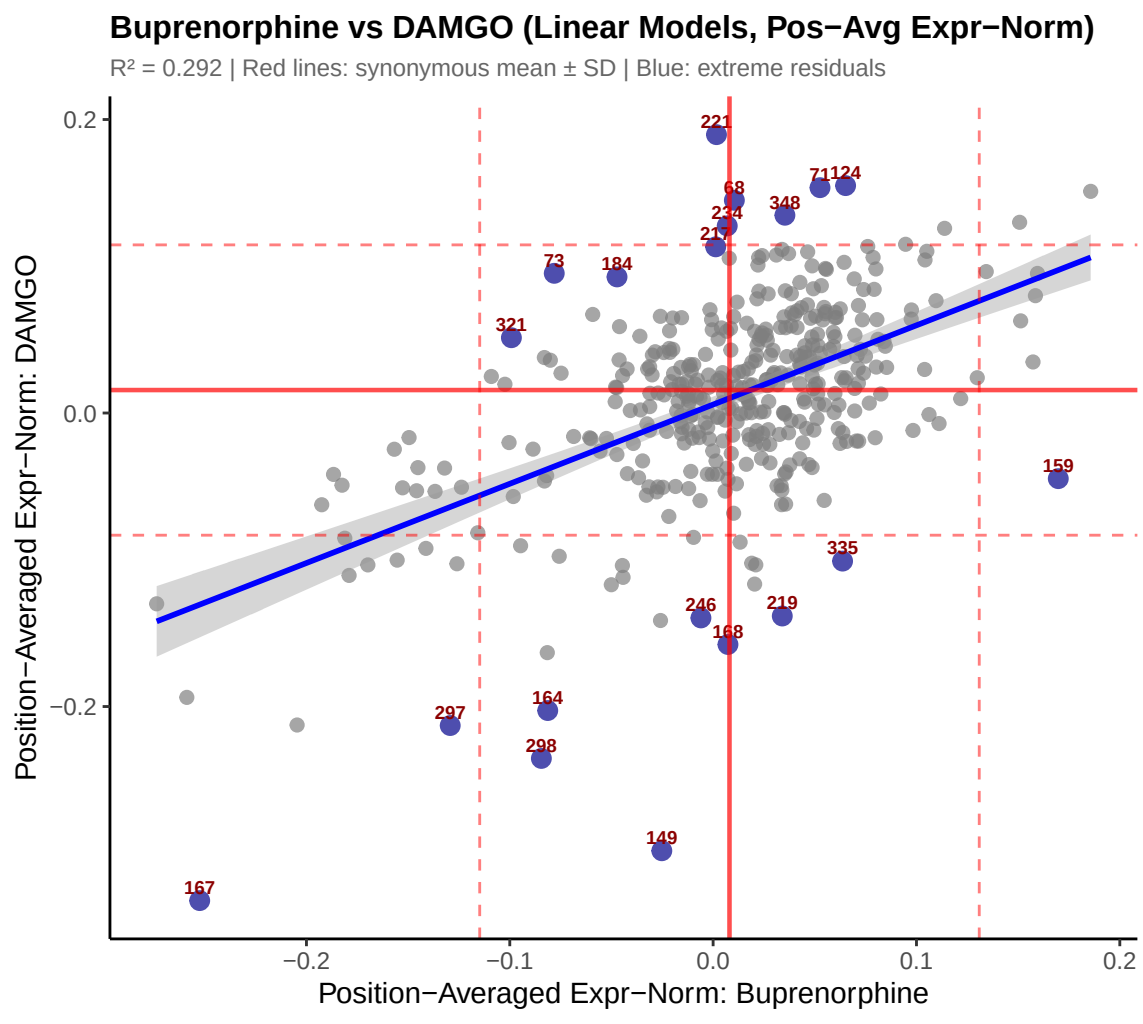
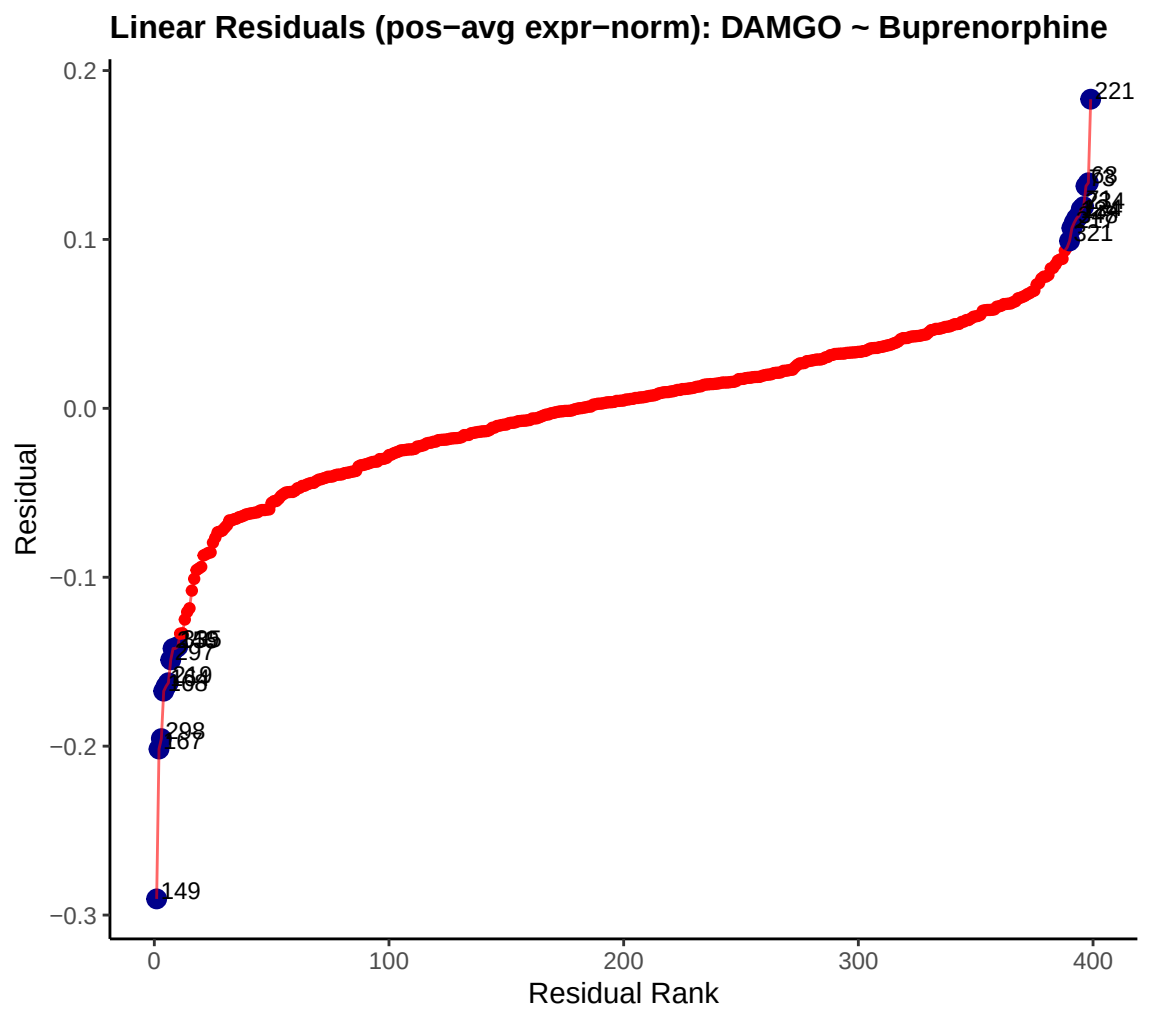

Buprenorphine vs C6guano (Linear Models, Pos−Avg Expr−Norm)
R² = 0.362 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: C6guano
Position−Averaged Expr−Norm: Buprenorphine
234
348
209
132
186
73
344
150
299
142
246
153
164
149
167


Linear Residuals (pos−avg expr−norm): C6guano ~ Buprenorphine
Residual
Residual Rank
234
73
299
164
153
149


Buprenorphine vs carfentanil (Linear Models, Pos−Avg Expr−Norm)
R² = 0.297 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: carfentanil
Position−Averaged Expr−Norm: Buprenorphine
194
73
75
93
187
174
166
90
84
246
142
149
297
298
327
167

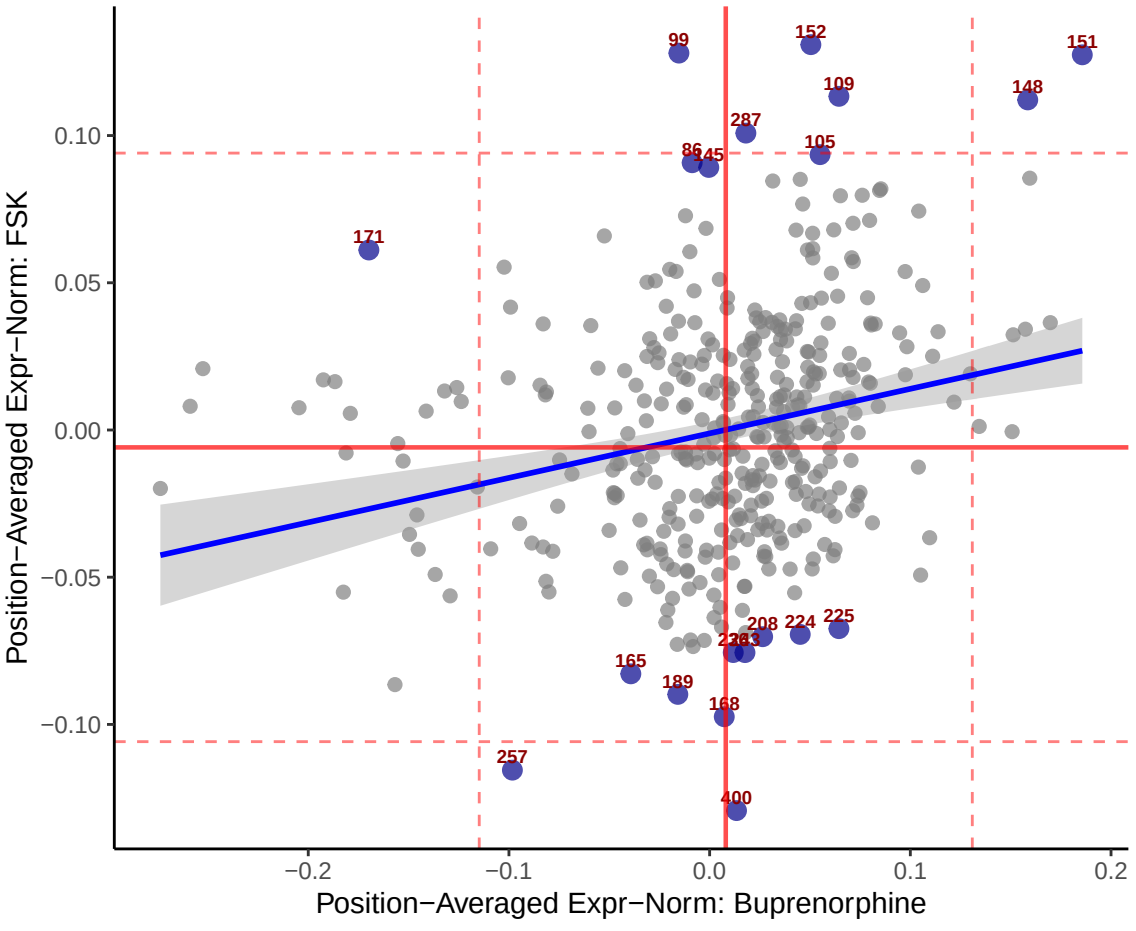

Linear Residuals (pos−avg expr−norm): carfentanil ~ Buprenorphine
Residual
Residual Rank
194
73
297
166
298
149
327
167


Buprenorphine vs DAMGO (Linear Models, Pos−Avg Expr−Norm)
R² = 0.292 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: DAMGO
Position−Averaged Expr−Norm: Buprenorphine
221
71
124
68
348
234
73
184
321
159
335
246
219
168
164
297
298
149
167

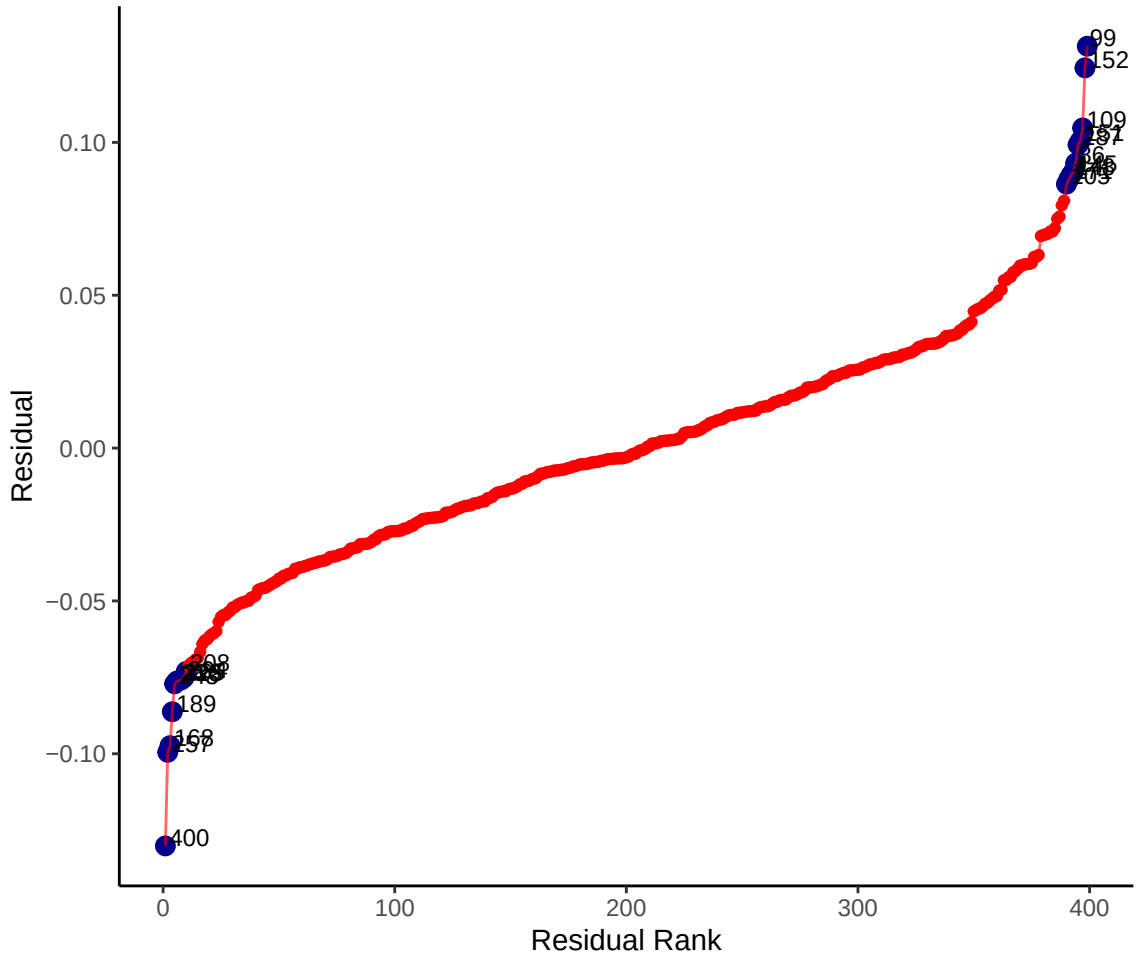

Linear Residuals (pos−avg expr−norm): DAMGO ~ Buprenorphine
Residual
Residual Rank
221
298
167
149

Buprenorphine vs FSK (Linear Models, Pos−Avg Expr−Norm)

R² = 0.06 | Red lines: synonymous mean ± SD | Blue: extreme residuals

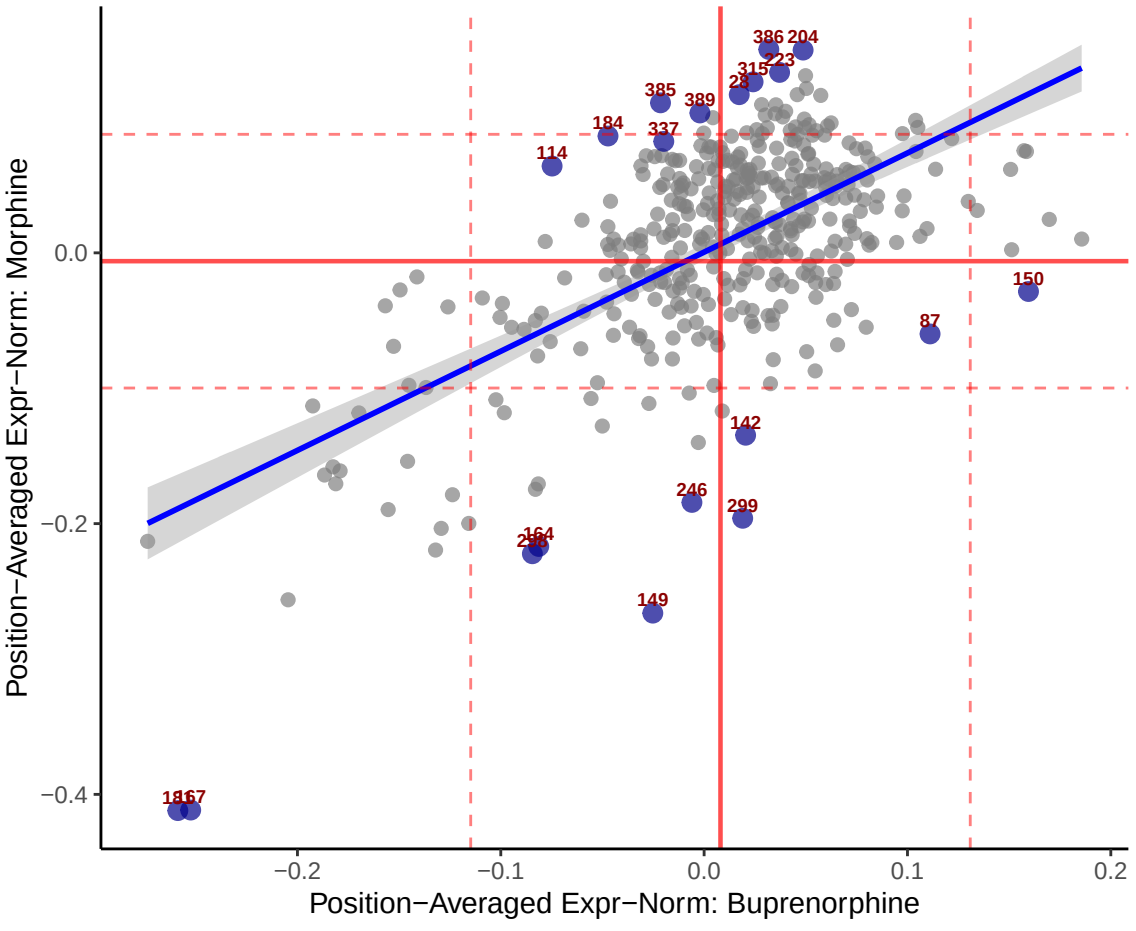


Linear Residuals (pos−avg expr−norm): FSK ~ Buprenorphine

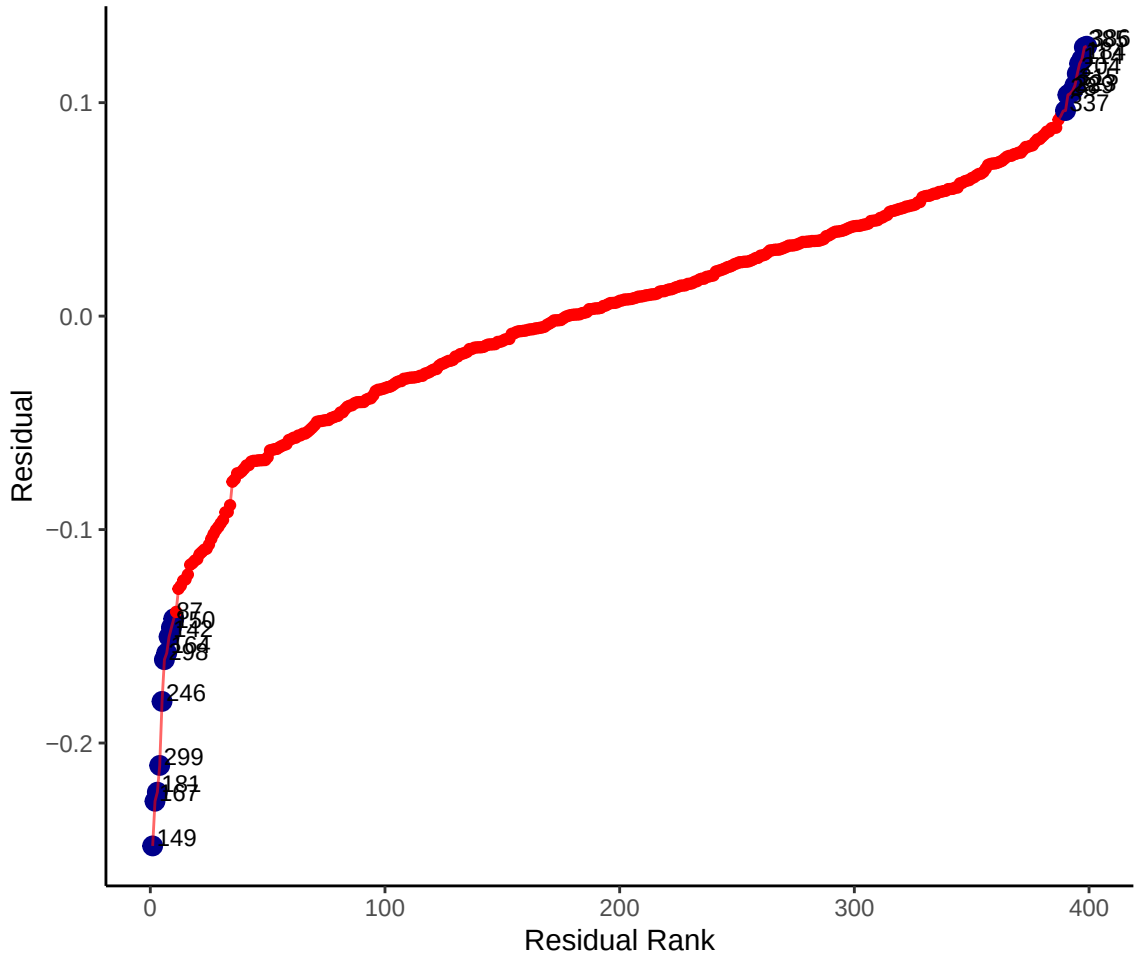


Buprenorphine vs Morphine (Linear Models, Pos−Avg Expr−Norm)

R² = 0.383 | Red lines: synonymous mean ± SD | Blue: extreme residuals

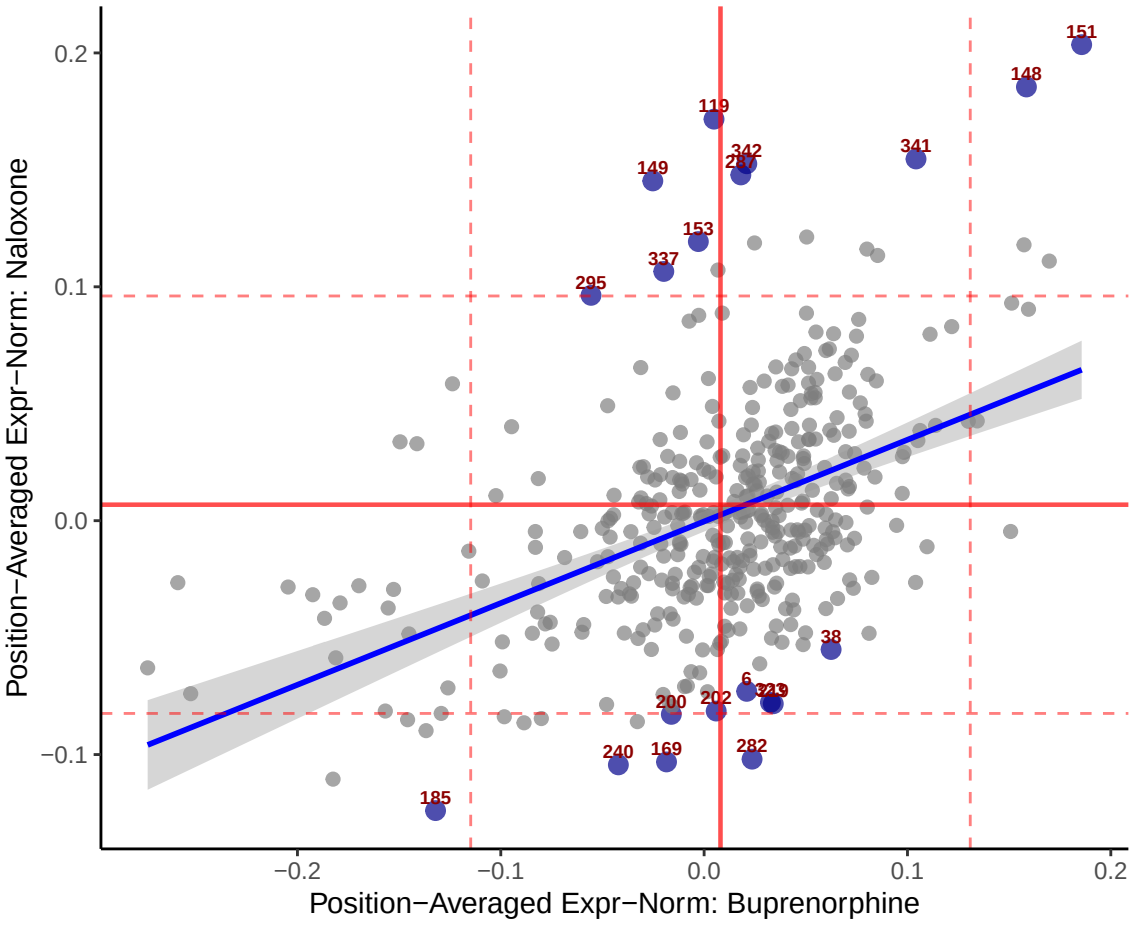


Linear Residuals (pos−avg expr−norm): Morphine ~ Buprenorphine

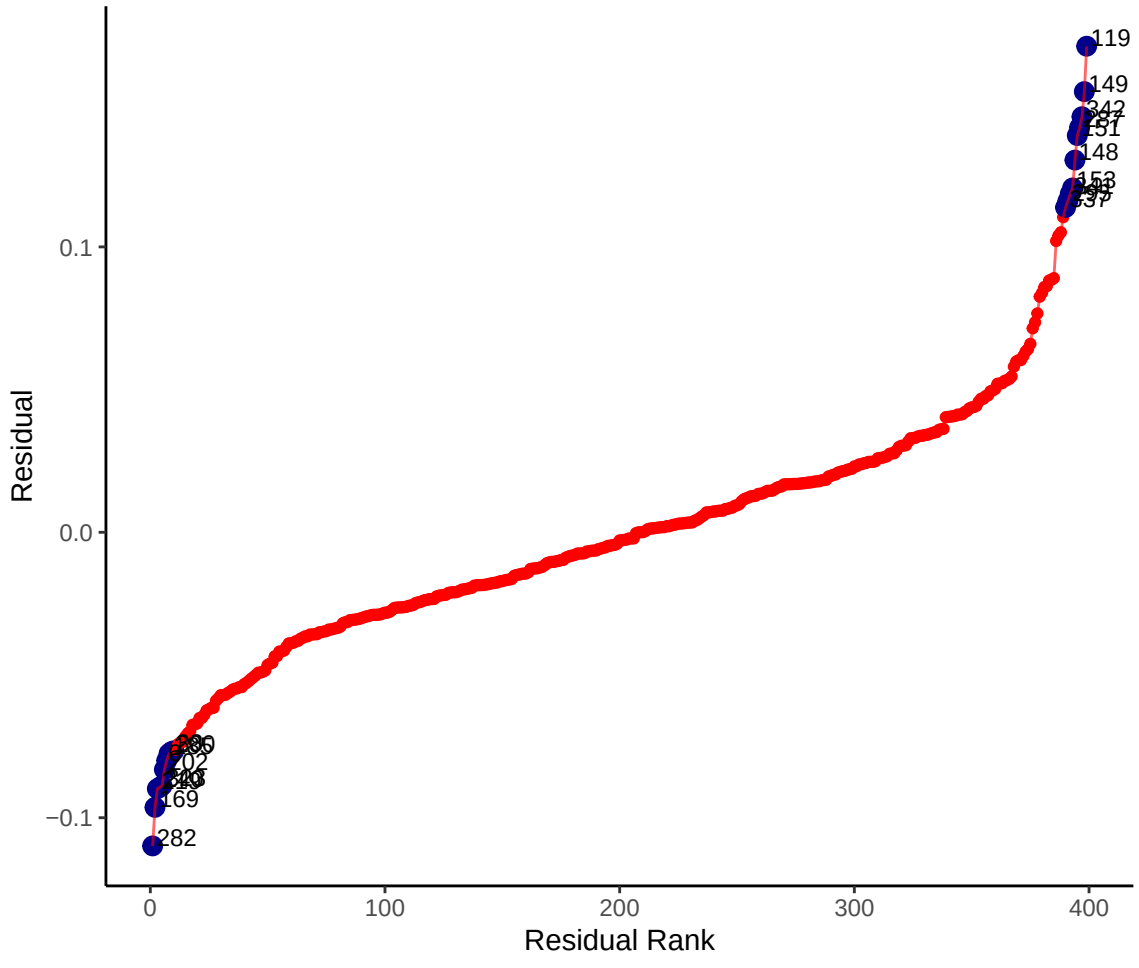


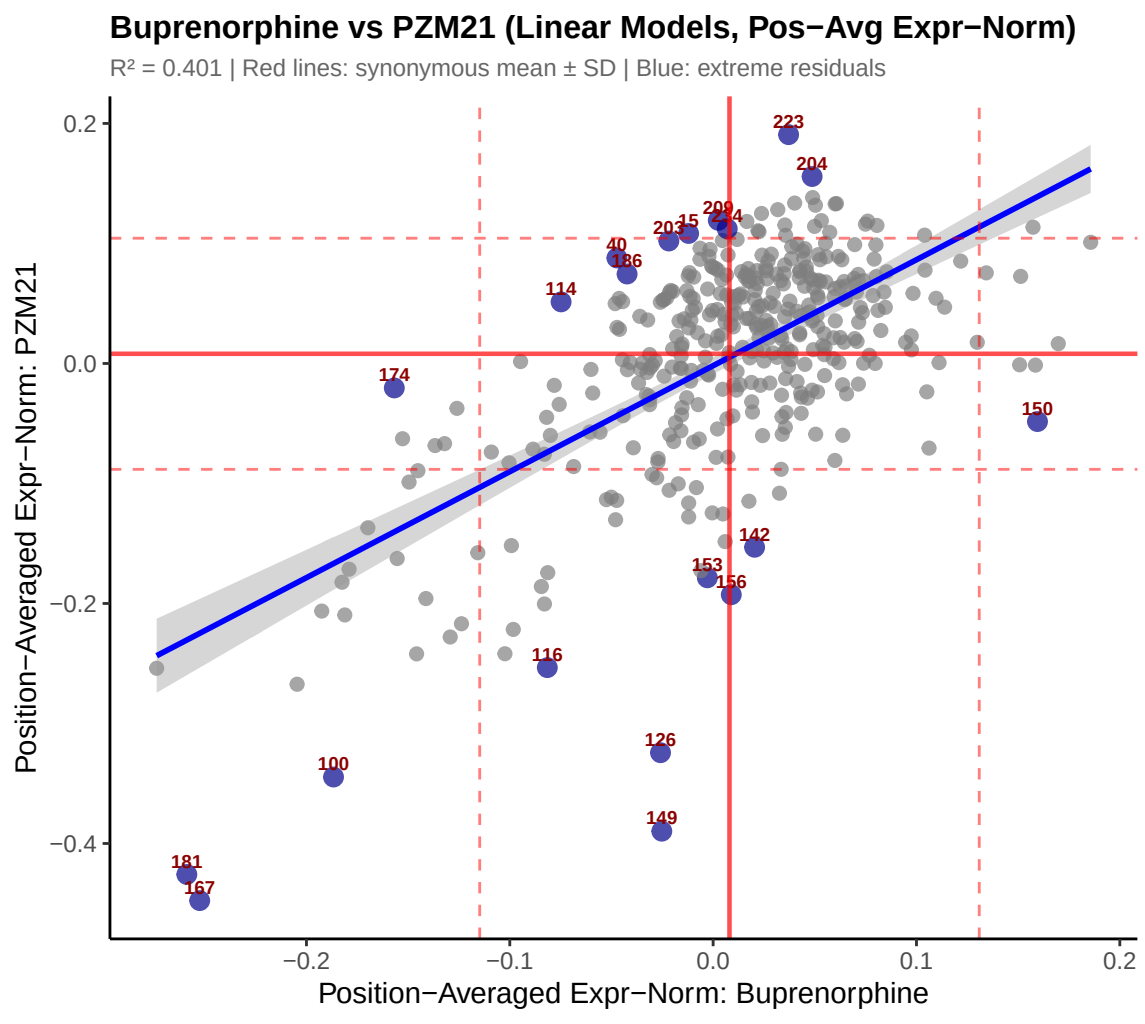
Buprenorphine vs Naloxone (Linear Models, Pos−Avg Expr−Norm)

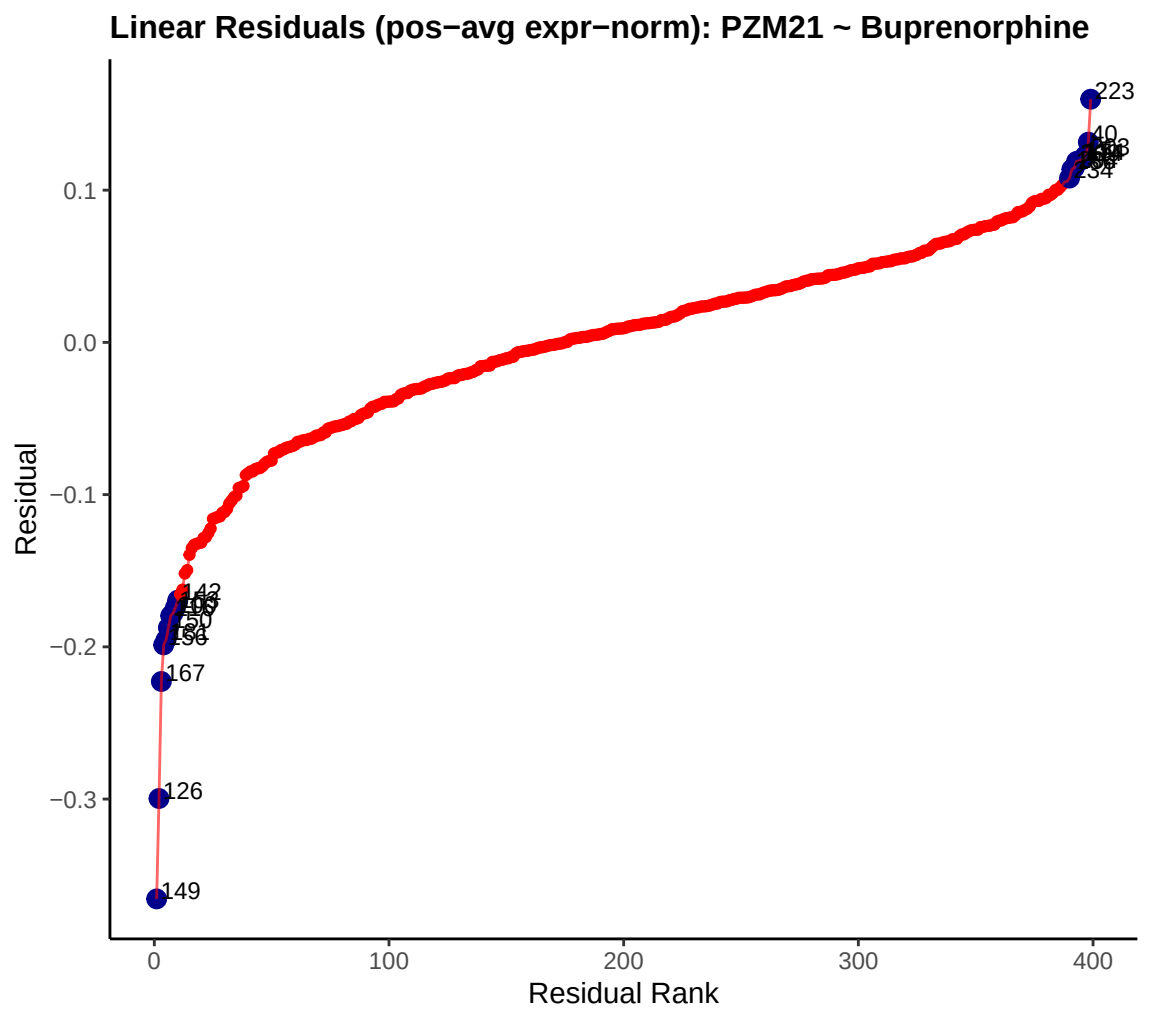
R² = 0.214 | Red lines: synonymous mean ± SD | Blue: extreme residuals

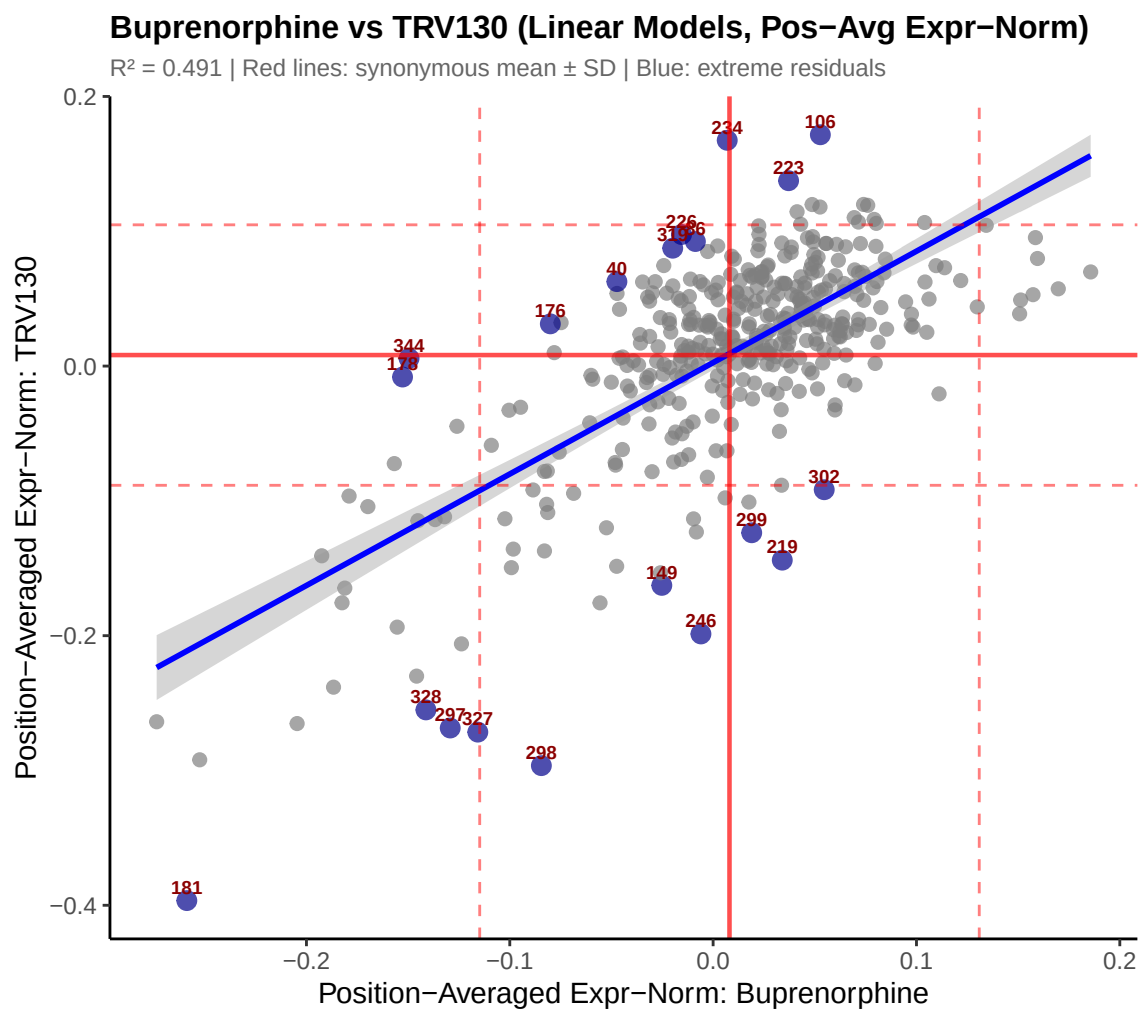


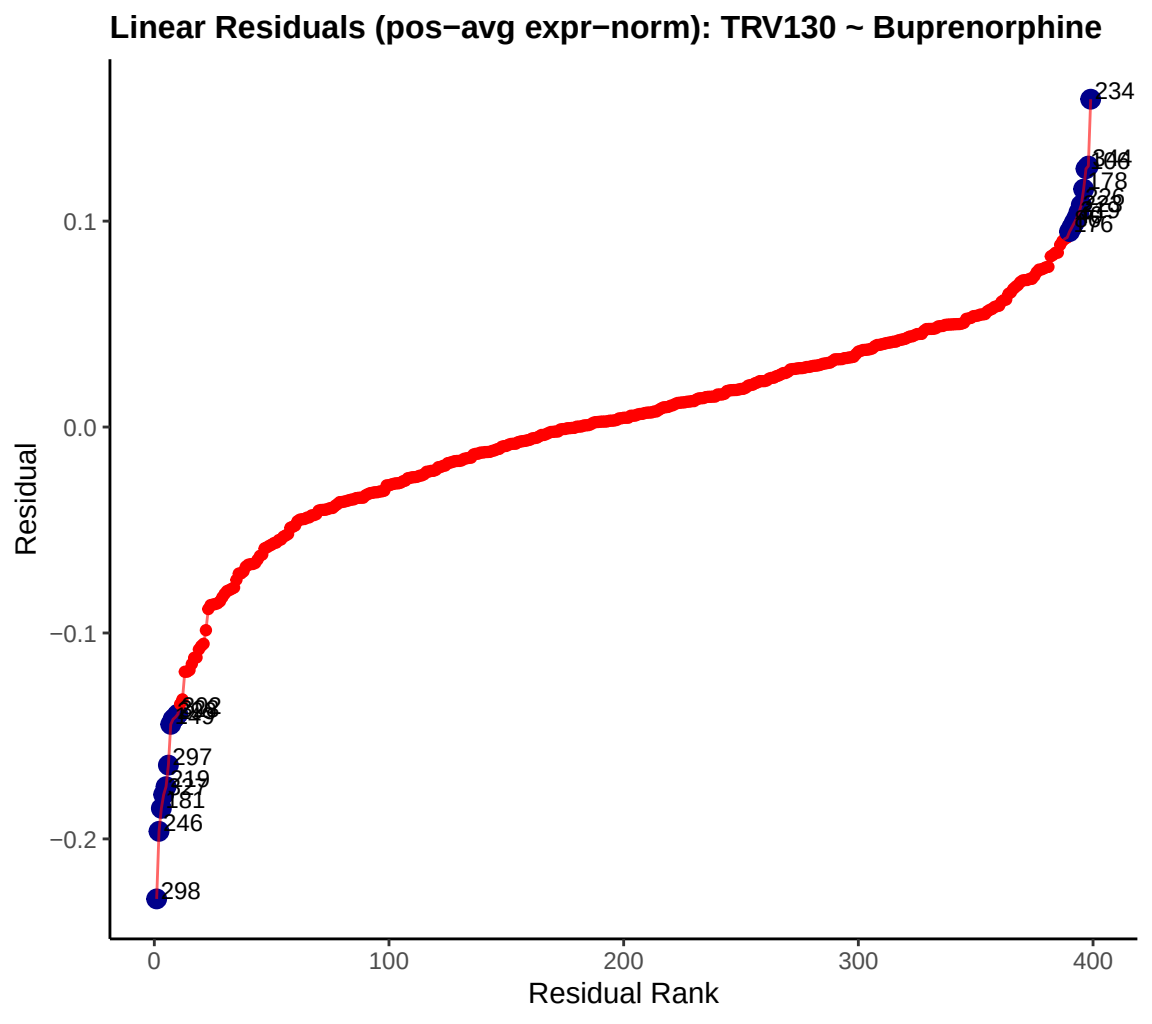
Linear Residuals (pos−avg expr−norm): Naloxone ~ Buprenorphine

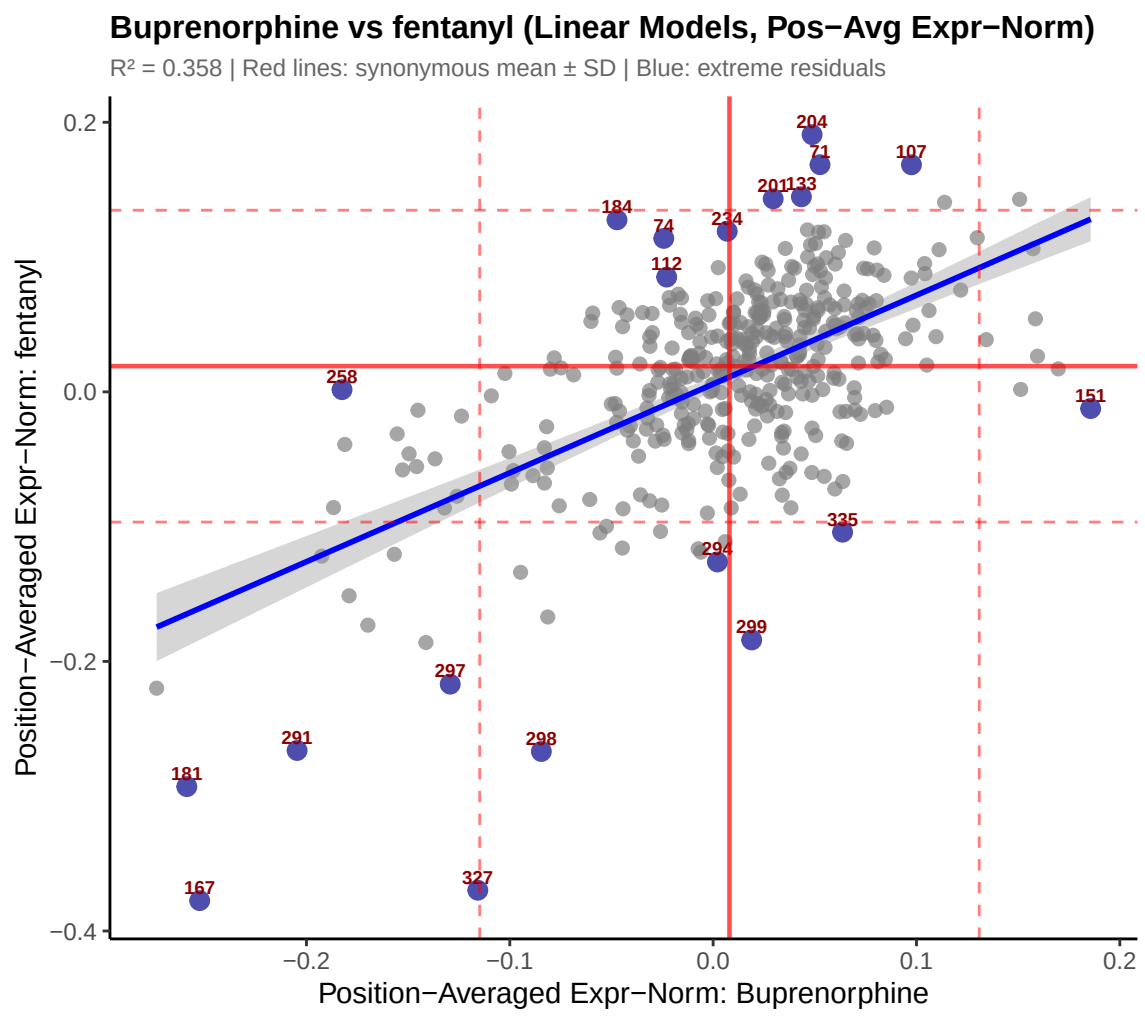


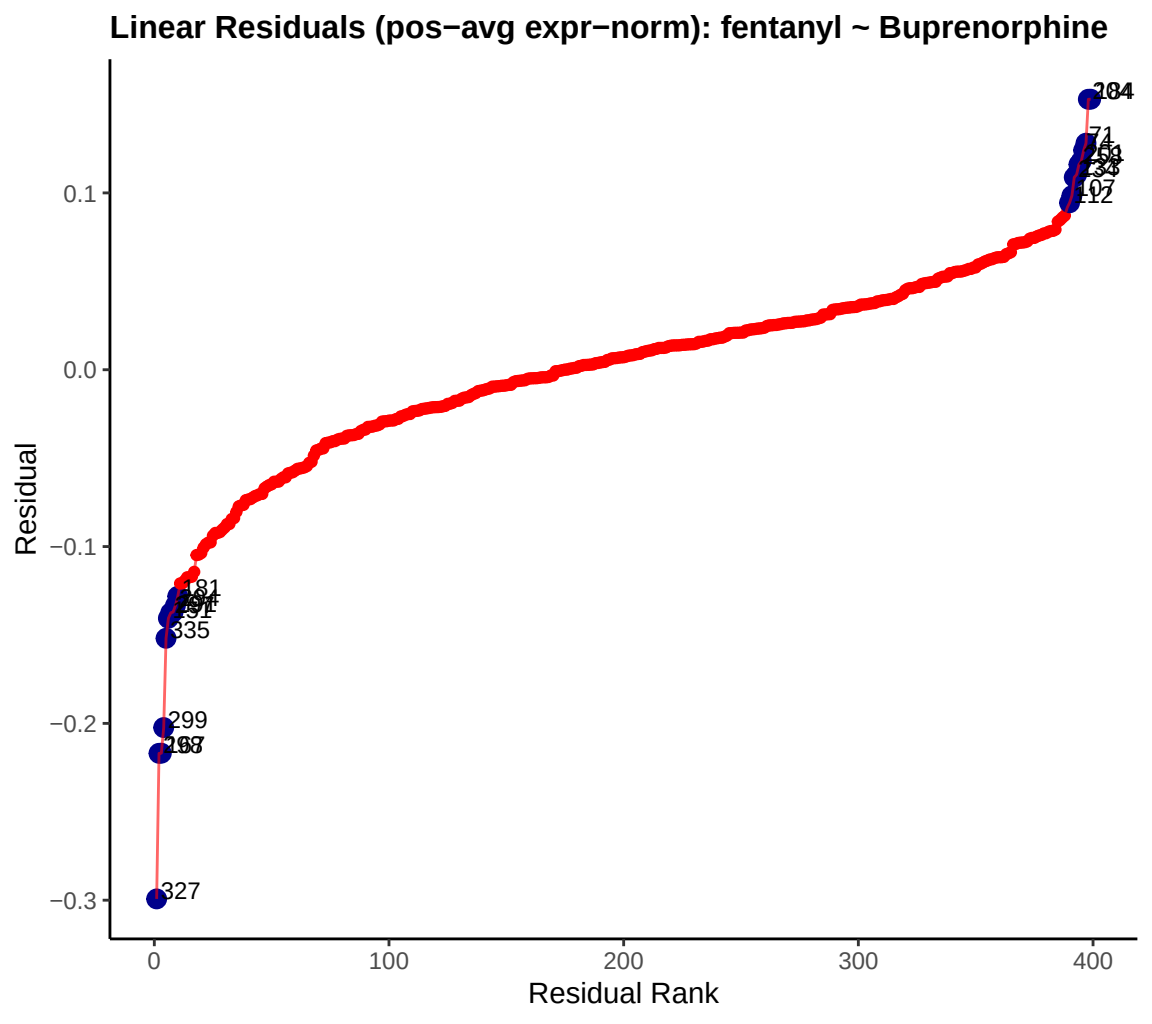

Buprenorphine vs PZM21 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.401 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: PZM21
Position−Averaged Expr−Norm: Buprenorphine
223
204
209
214
203
15
40
186
114
174
150
142
153
156
116
126
100
149
181
167

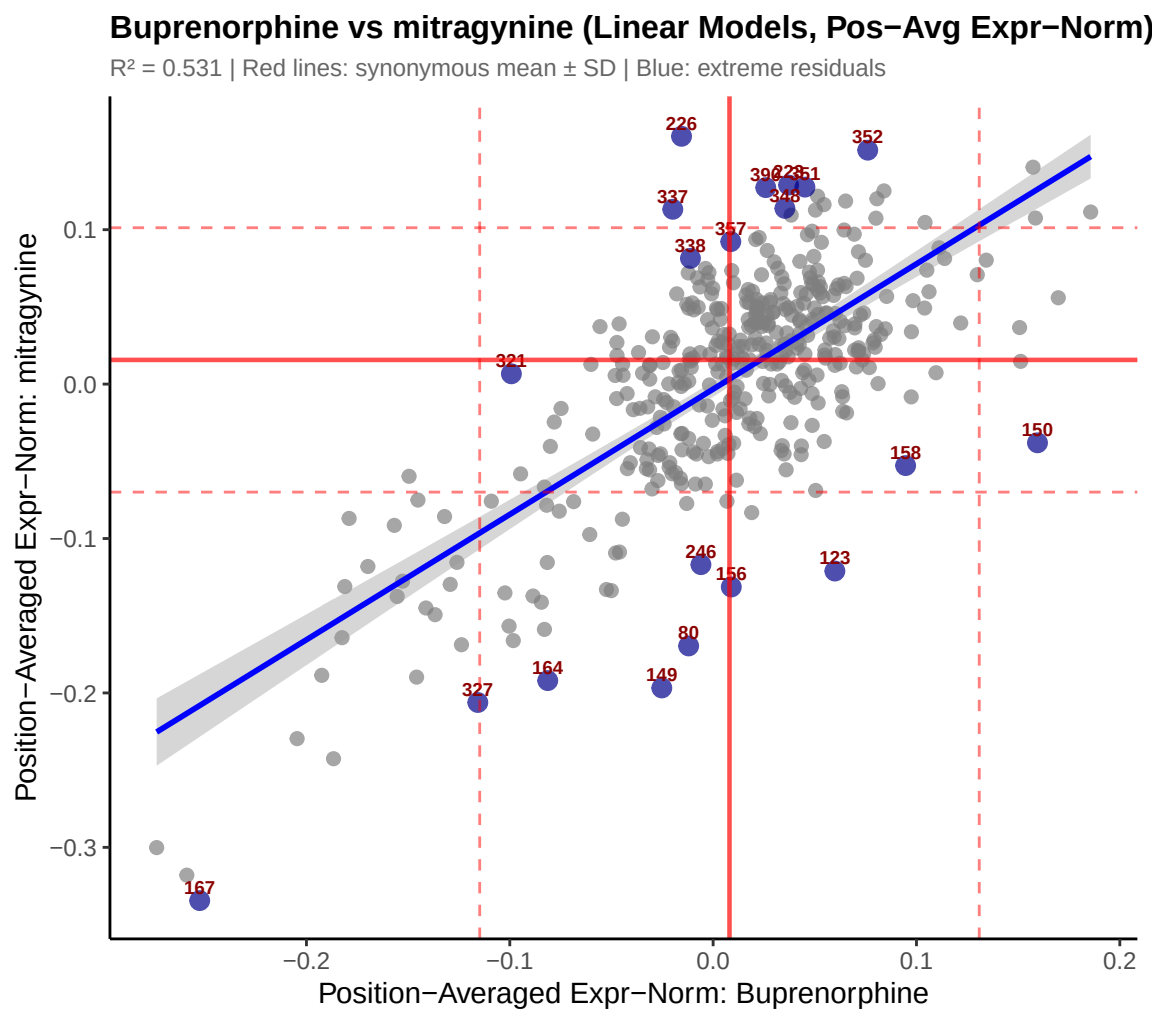

Linear Residuals (pos−avg expr−norm): PZM21 ~ Buprenorphine
Residual
Residual Rank
223
167
126
149

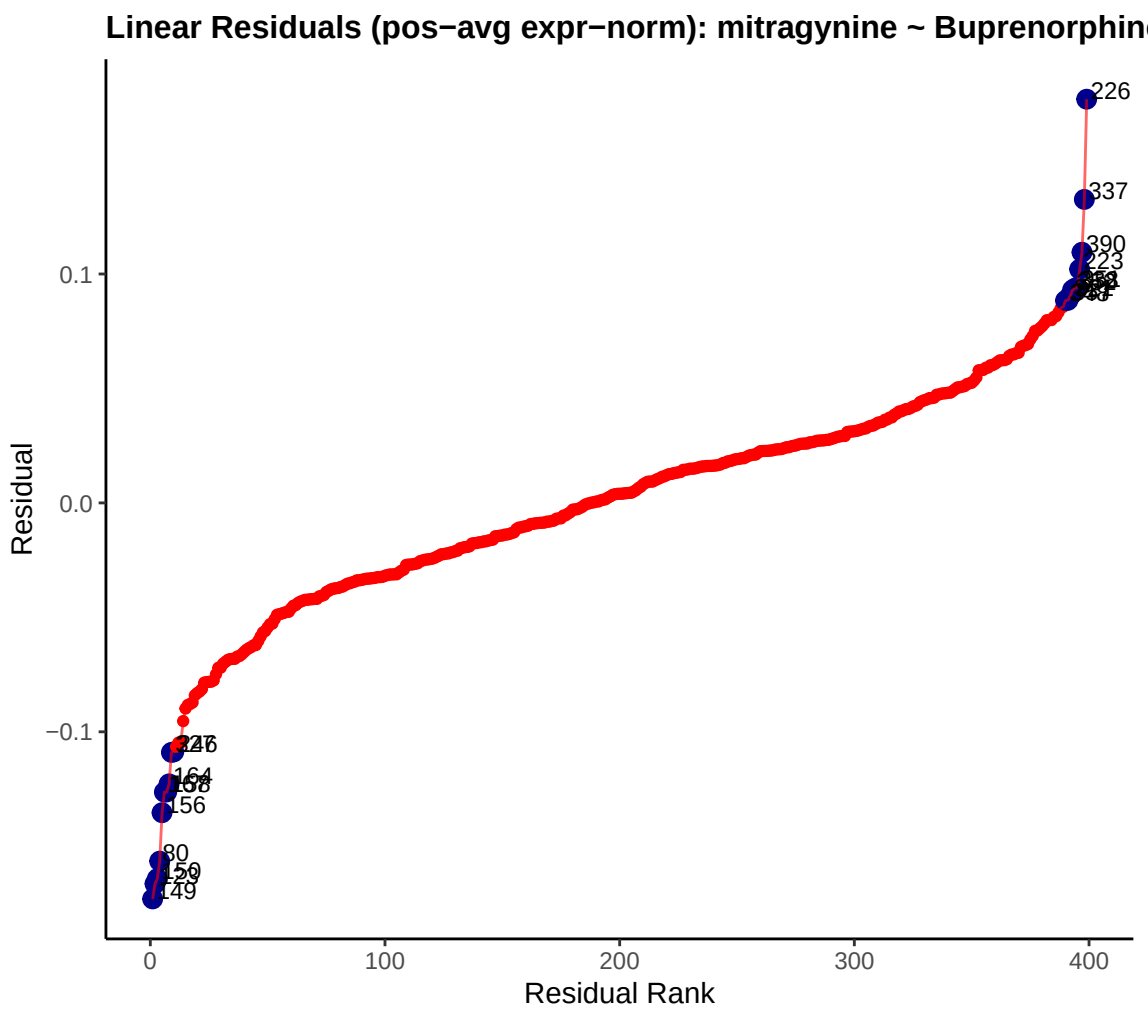

Buprenorphine vs TRV130 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.491 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: TRV130
Position−Averaged Expr−Norm: Buprenorphine
234
106
223
226
40
176
344
178
302
299
219
149
246
328
297
327
298
181

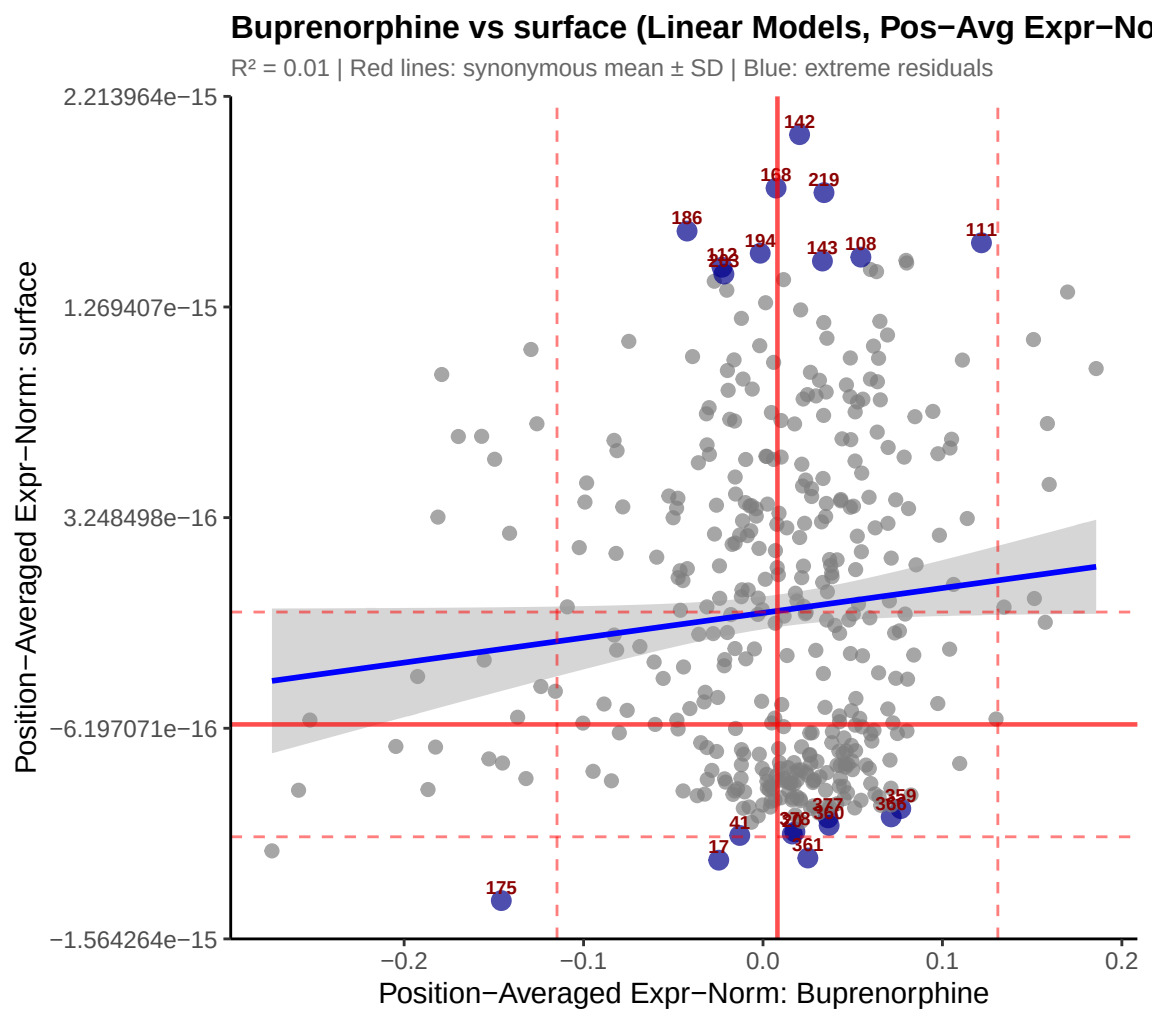

Linear Residuals (pos−avg expr−norm): TRV130 ~ Buprenorphine
Residual
Residual Rank
234
297
246
298

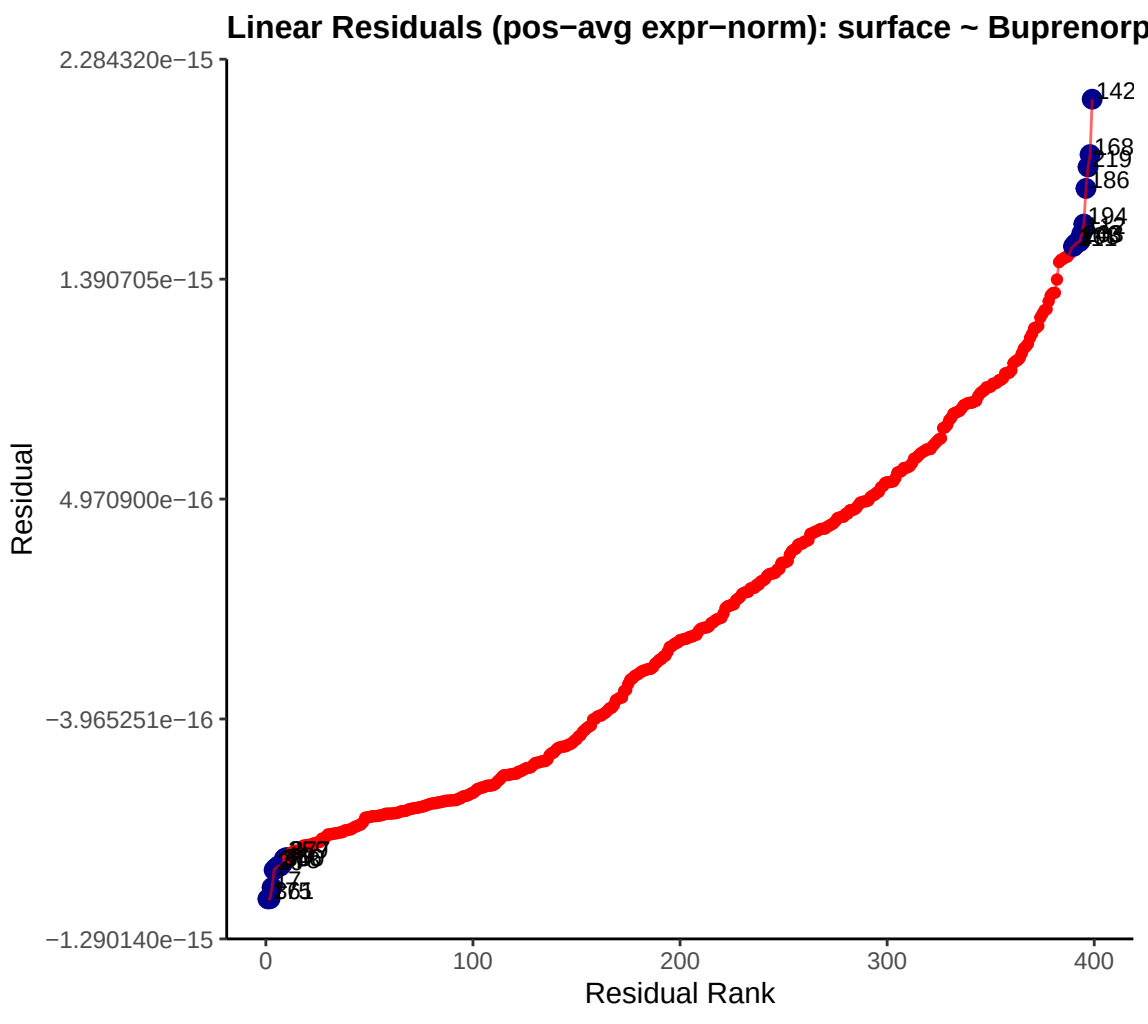

Buprenorphine vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.358 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: Buprenorphine
204
71
107
201
133
184
74
234
112
258
151
335
294
299
297
291
298
181
167
327

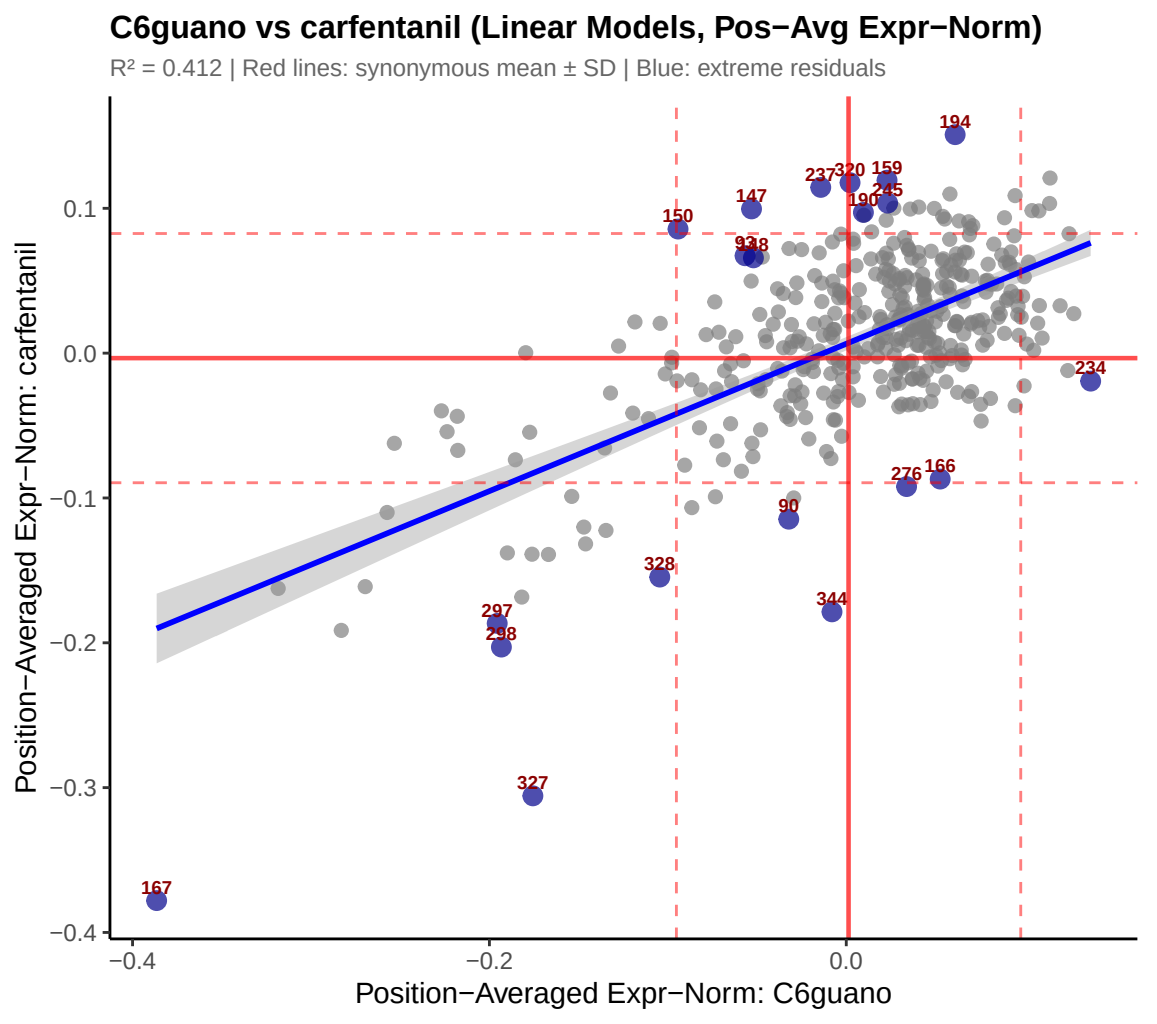

Linear Residuals (pos−avg expr−norm): fentanyl ~ Buprenorphine
Residual
Residual Rank
335
299
327

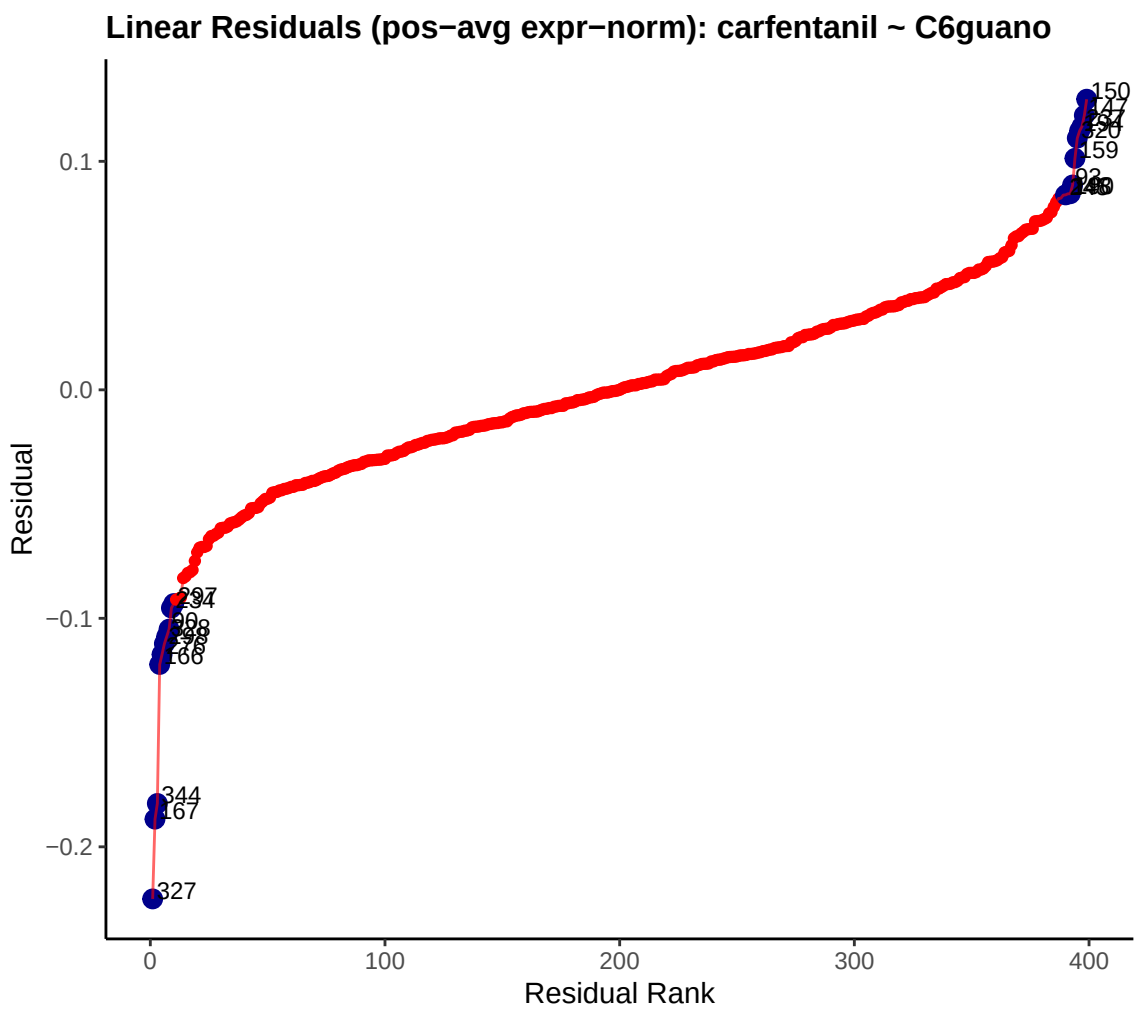

Buprenorphine vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.531 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: Buprenorphine
0.1
0.0
−0.1
−0.2
−0.3
−0.2
−0.1
0.0
0.1
0.2
226
352
337
357
338
321
150
158
246
156
123
80
164
149
327
167


Linear Residuals (pos−avg expr−norm): mitragynine ~ Buprenorphine
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400
226
337
390
156
80


Buprenorphine vs surface (Linear Models, Pos−Avg Expr−No
R² = 0.01 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: Buprenorphine
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.2
−0.1
0.0
0.1
0.2
142
168
219
186
194
143
108
111
41
377
378
360
359
366
361
17
175

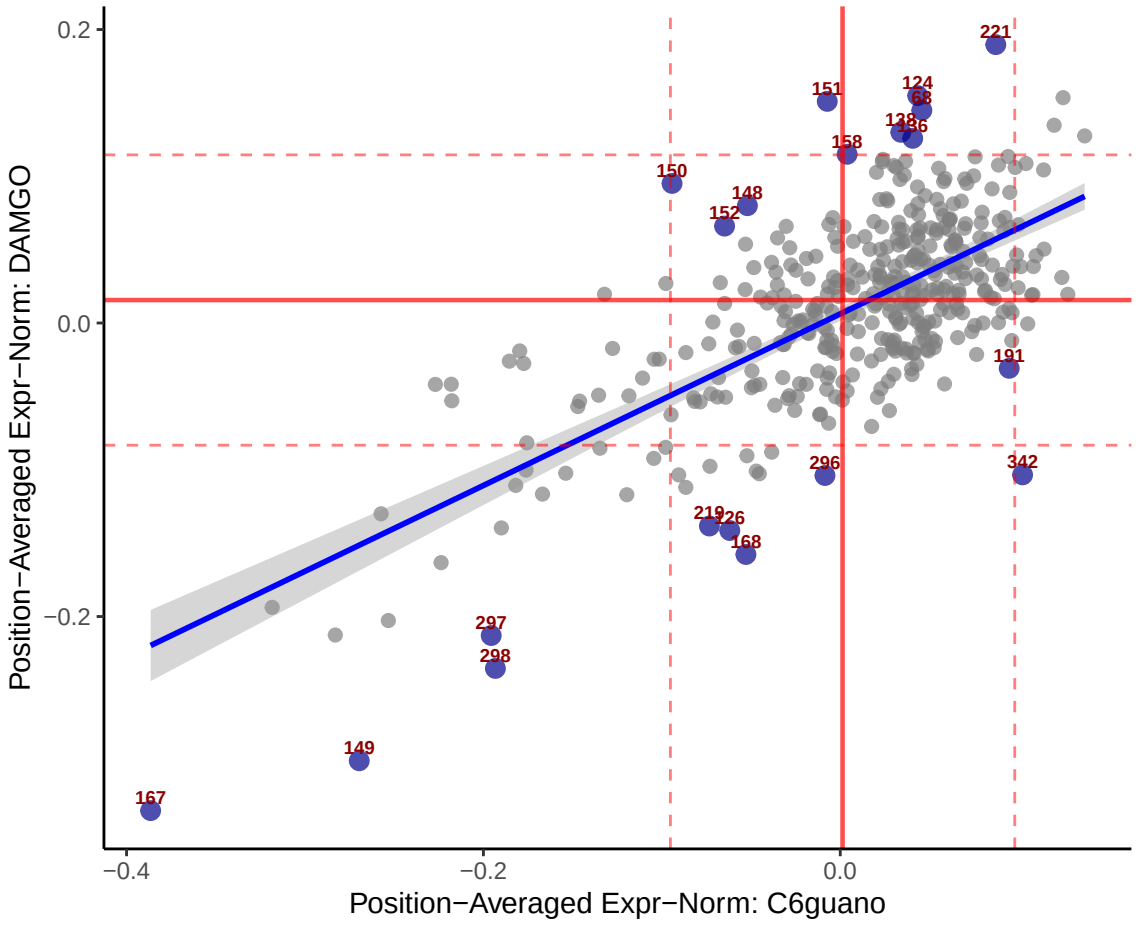

Linear Residuals (pos−avg expr−norm): surface ~ Buprenorp
Residual
Residual Rank
2.284320e−15
1.390705e−15
4.970900e−16
−3.965251e−16
−1.290140e−15
0
100
200
300
400
142
168
219
186
194


C6guano vs carfentanil (Linear Models, Pos−Avg Expr−Norm)
R² = 0.412 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: carfentanil
Position−Averaged Expr−Norm: C6guano
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.4
−0.2
0.0
194
237
320
159
245
190
147
150
234
276
166
90
328
344
297
298
327
167

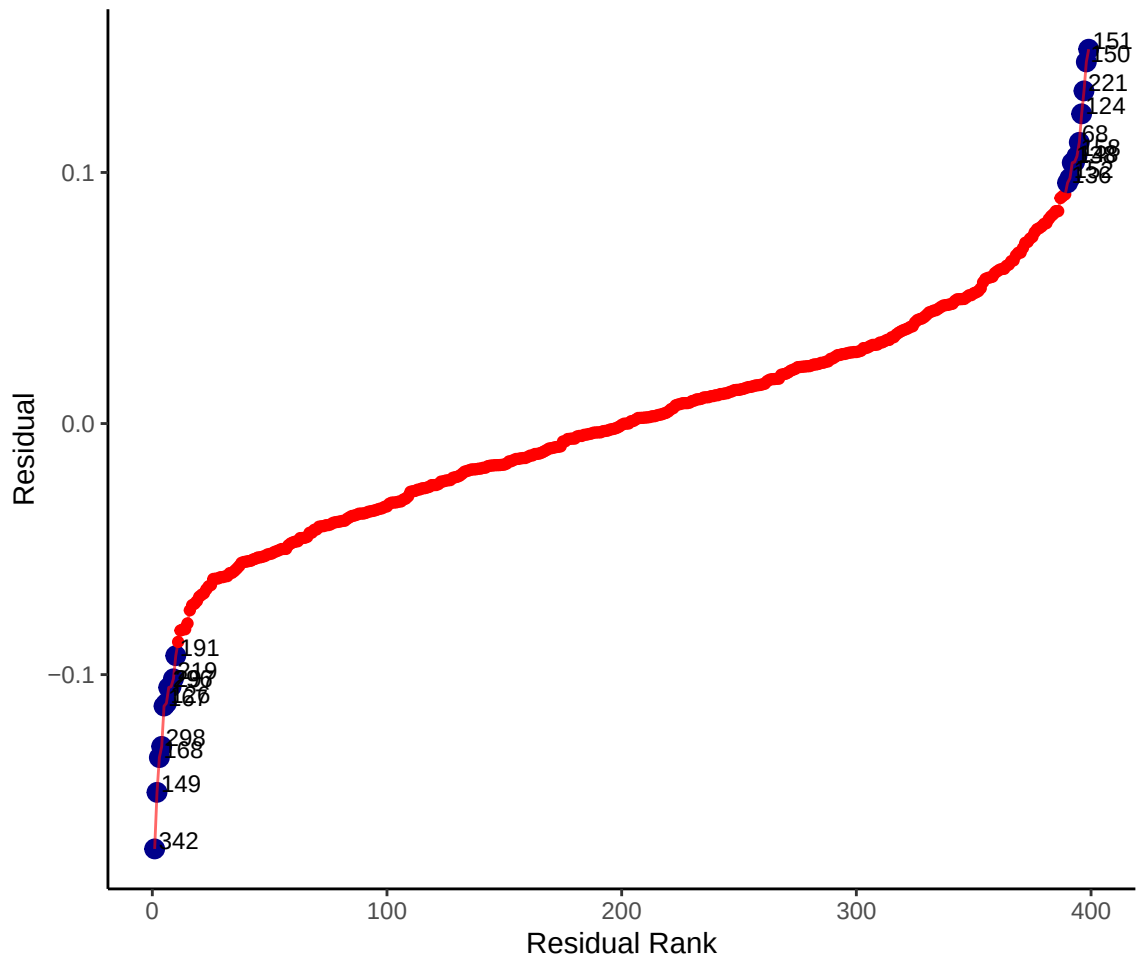

Linear Residuals (pos−avg expr−norm): carfentanil ~ C6guano
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
0
100
200
300
400
150
159
344
167
327

C6guano vs DAMGO (Linear Models, Pos−Avg Expr−Norm)

R² = 0.477 | Red lines: synonymous mean ± SD | Blue: extreme residuals

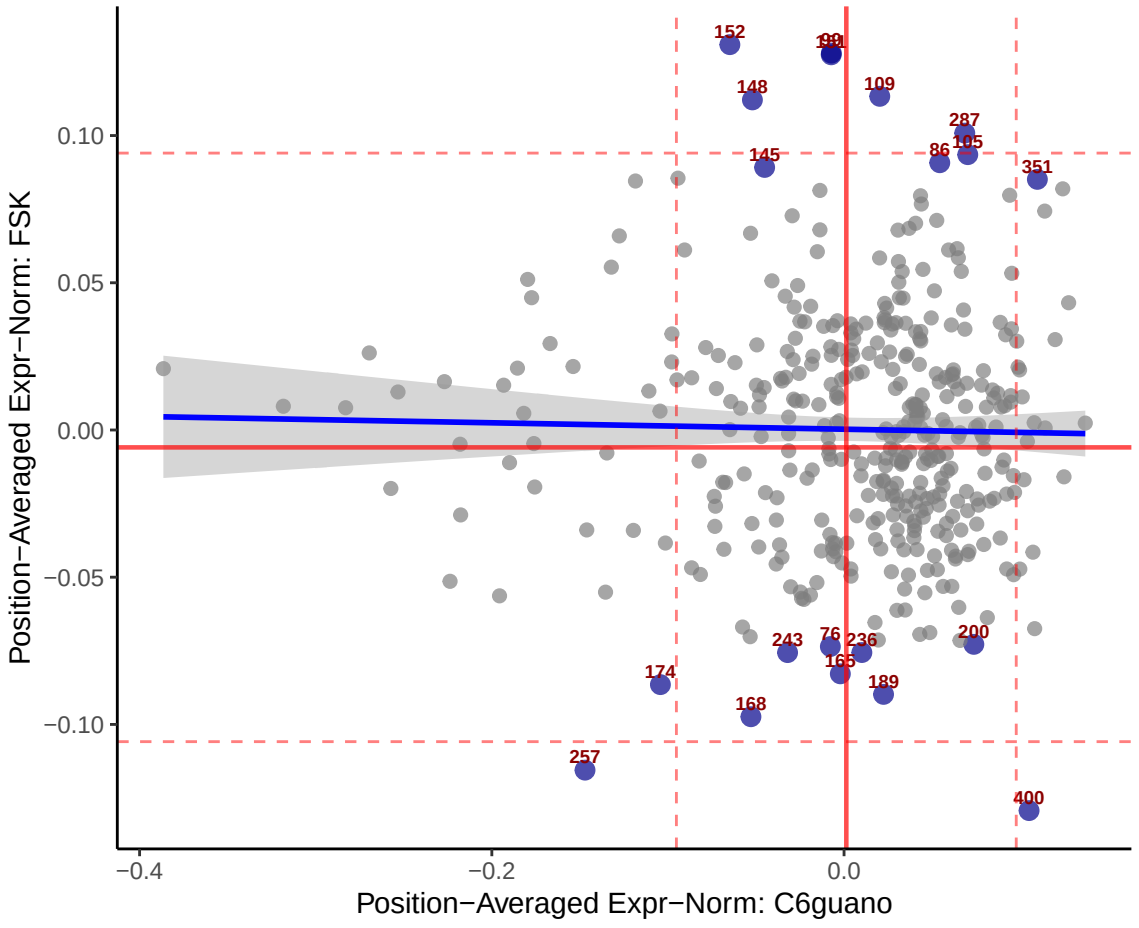


Linear Residuals (pos−avg expr−norm): DAMGO ~ C6guano

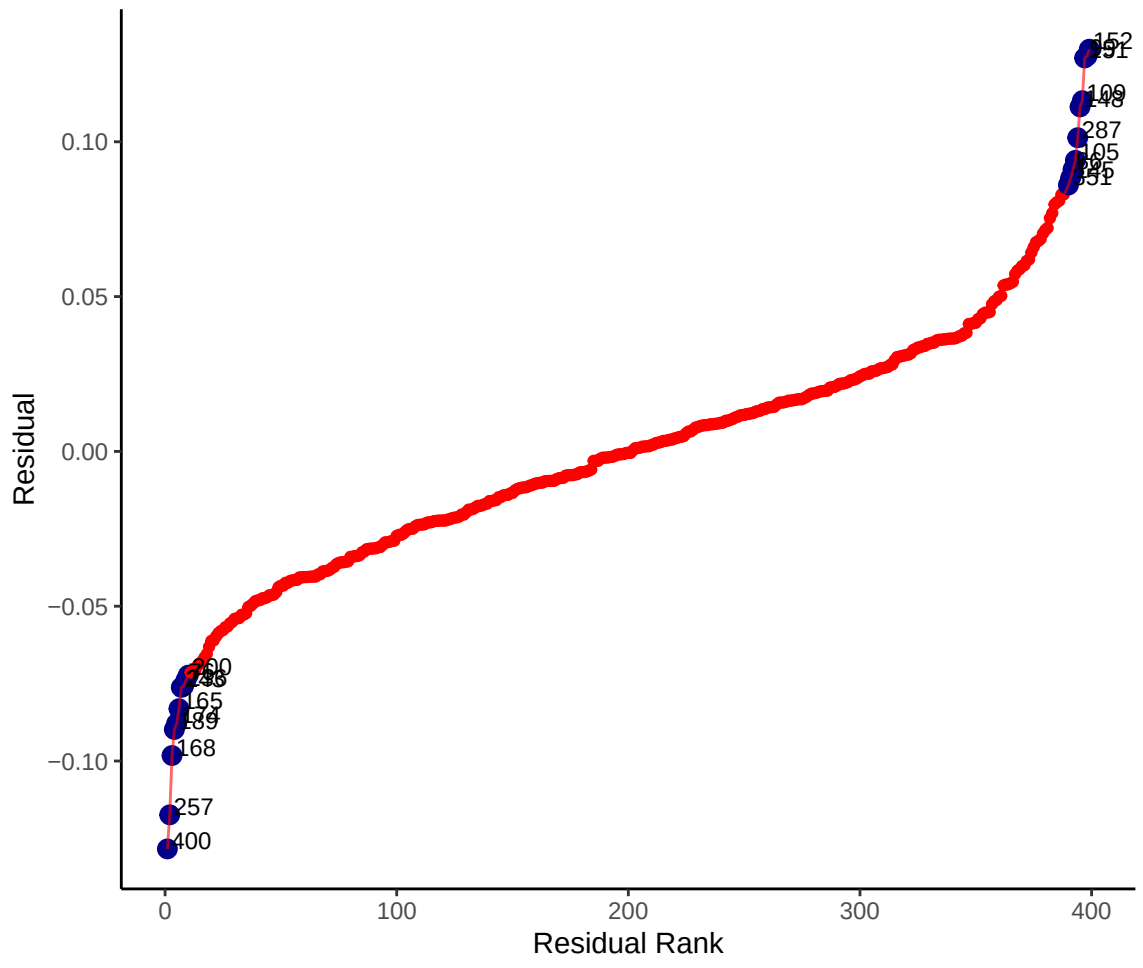


C6guano vs FSK (Linear Models, Pos−Avg Expr−Norm)

R² = 0 | Red lines: synonymous mean ± SD | Blue: extreme residuals

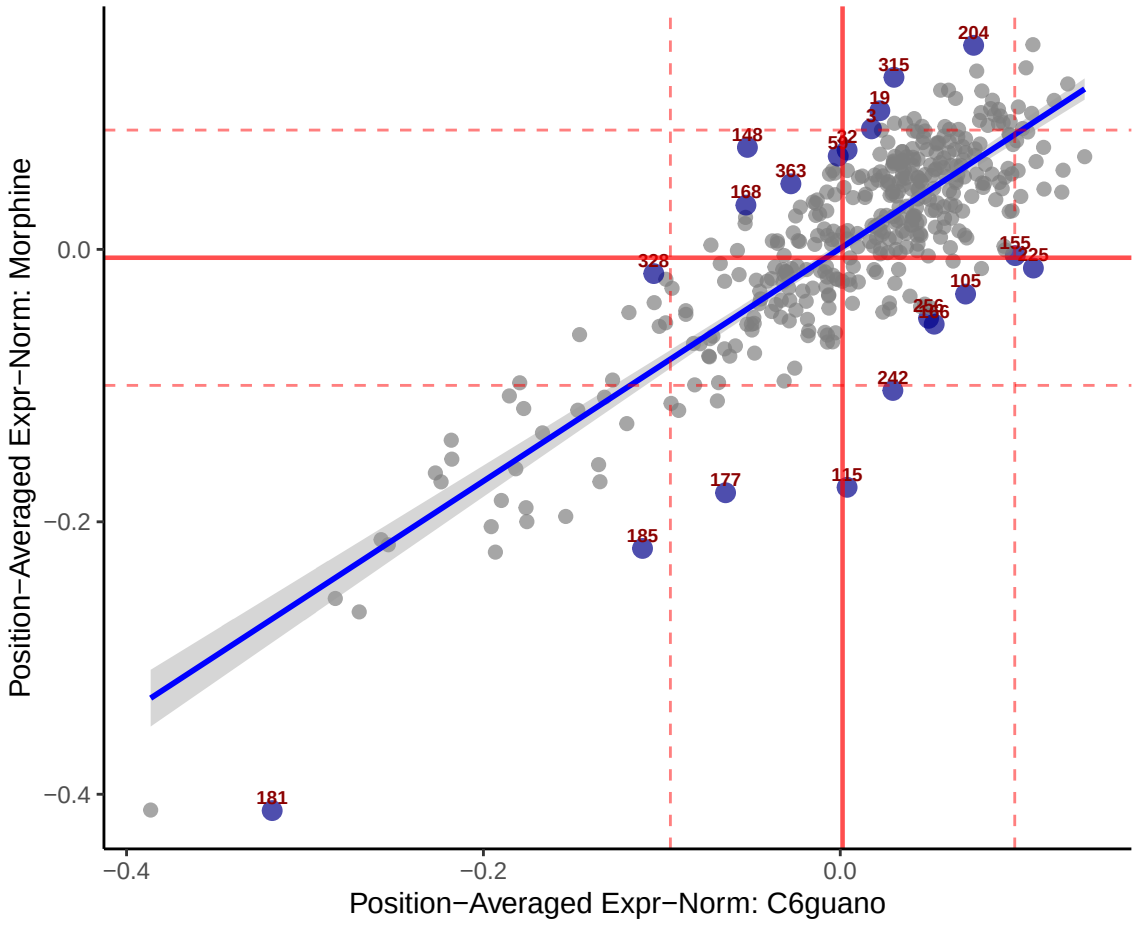


Linear Residuals (pos−avg expr−norm): FSK ~ C6guano

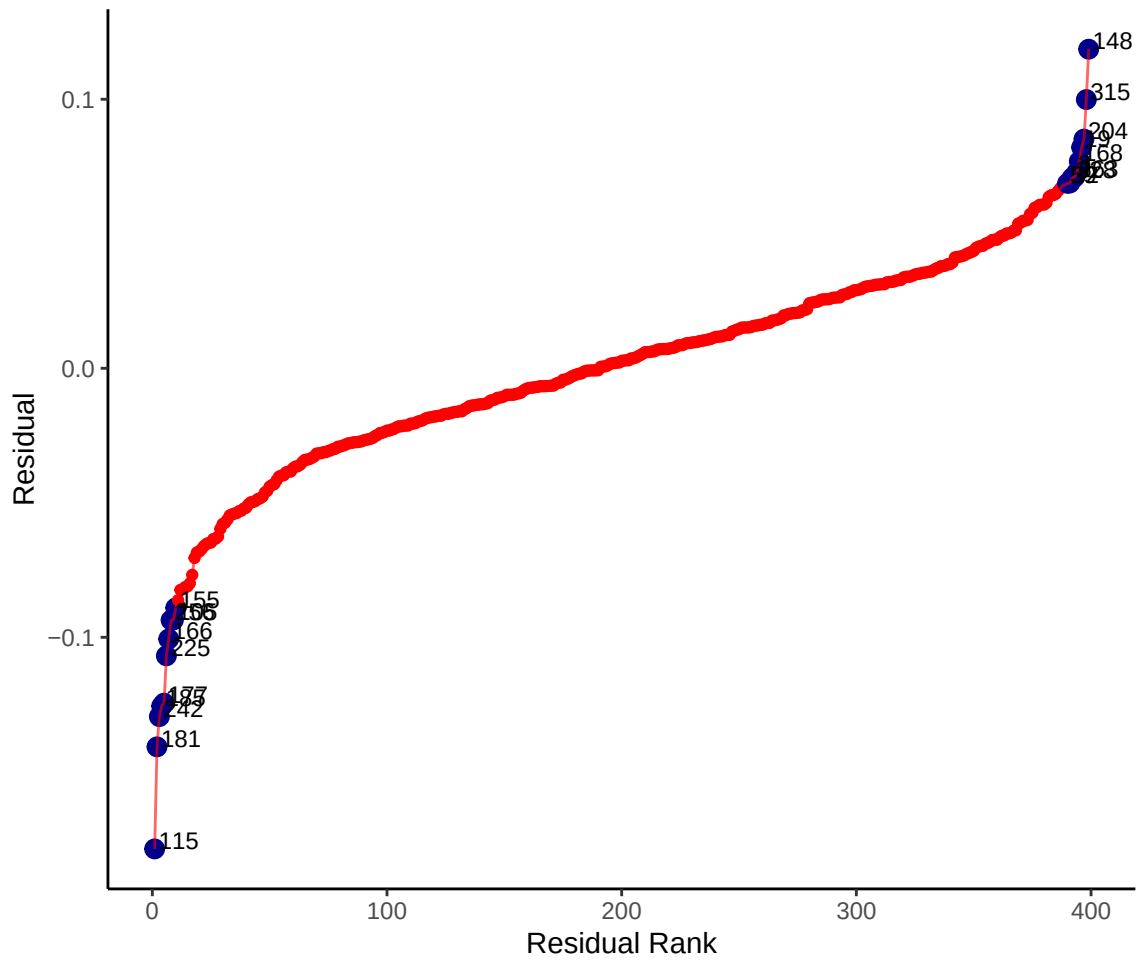


C6guano vs Morphine (Linear Models, Pos−Avg Expr−Norm)

R² = 0.725 | Red lines: synonymous mean ± SD | Blue: extreme residuals

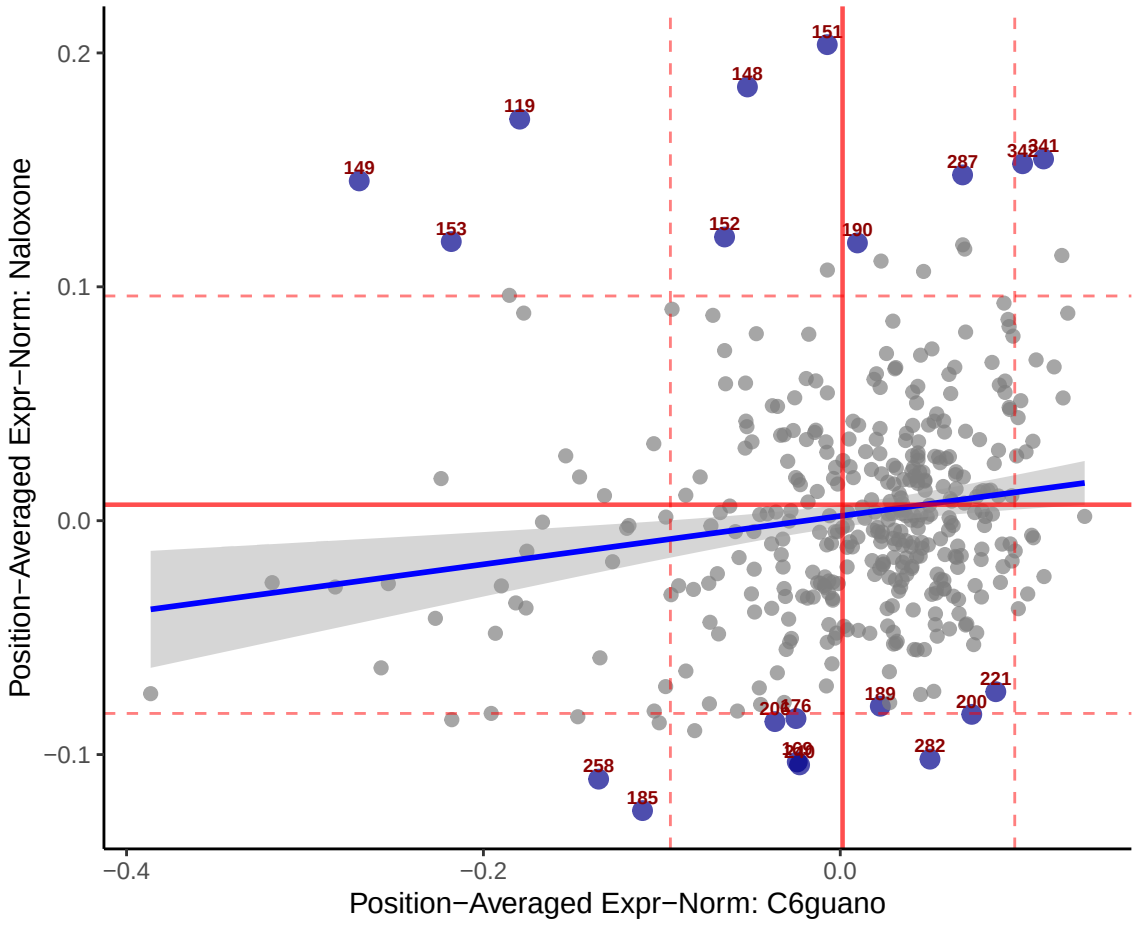


Linear Residuals (pos−avg expr−norm): Morphine ~ C6guano

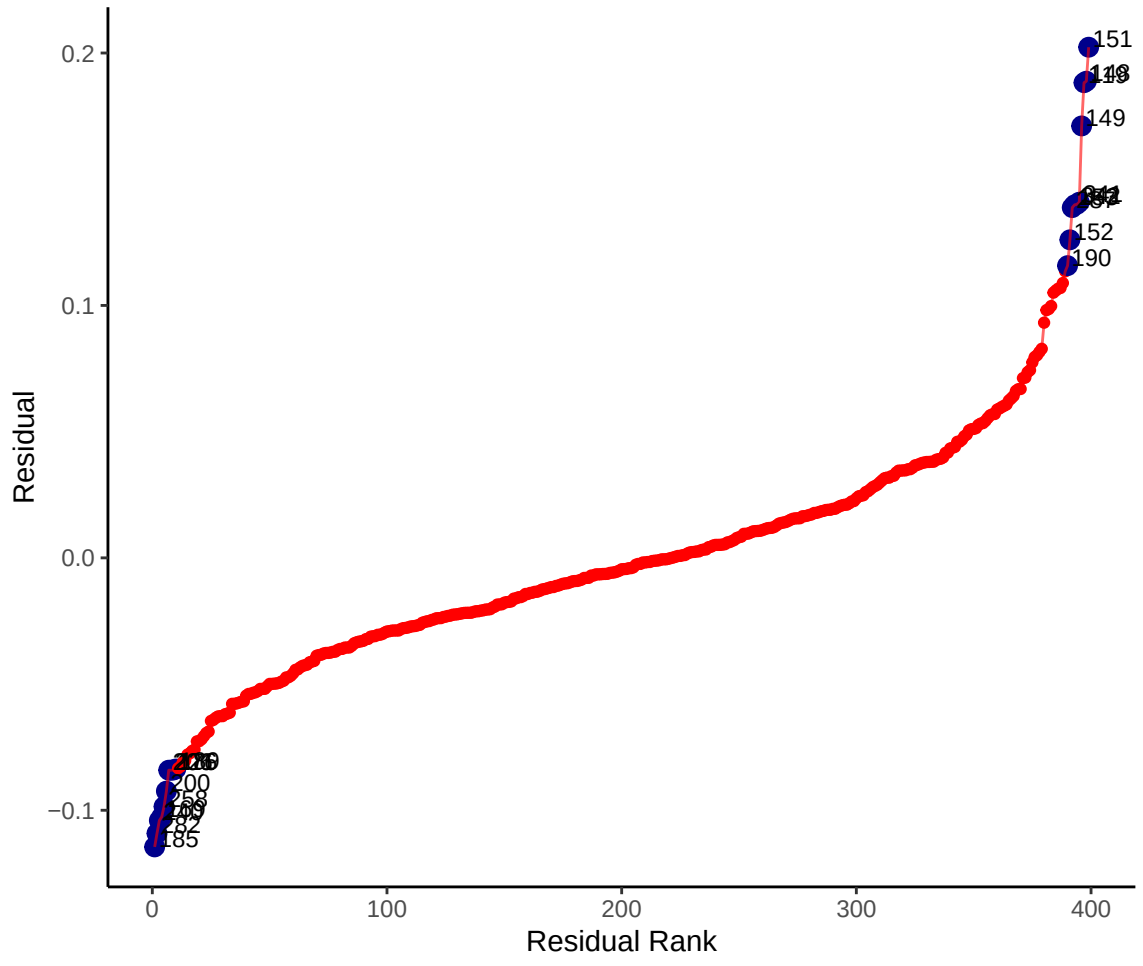


C6guano vs Naloxone (Linear Models, Pos−Avg Expr−Norm)

R² = 0.026 | Red lines: synonymous mean ± SD | Blue: extreme residuals

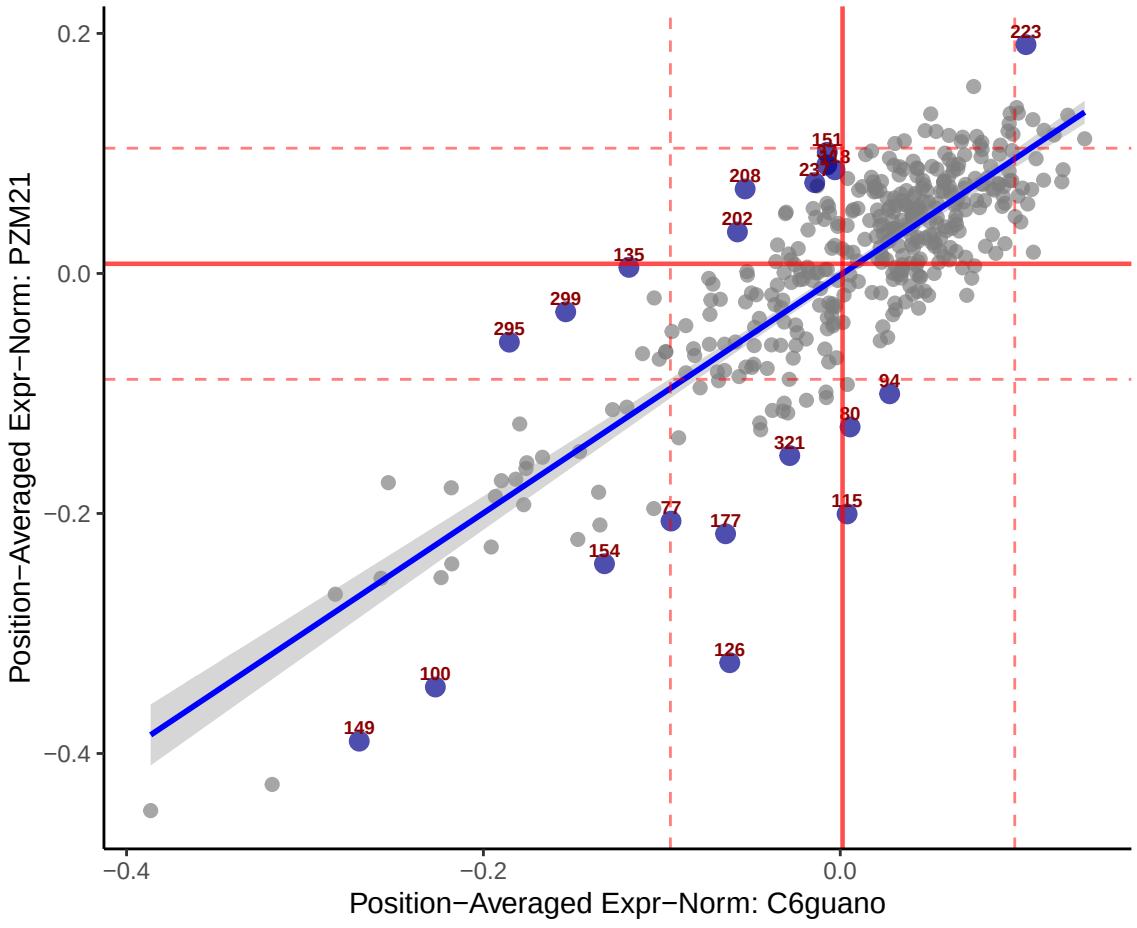


Linear Residuals (pos−avg expr−norm): Naloxone ~ C6guano

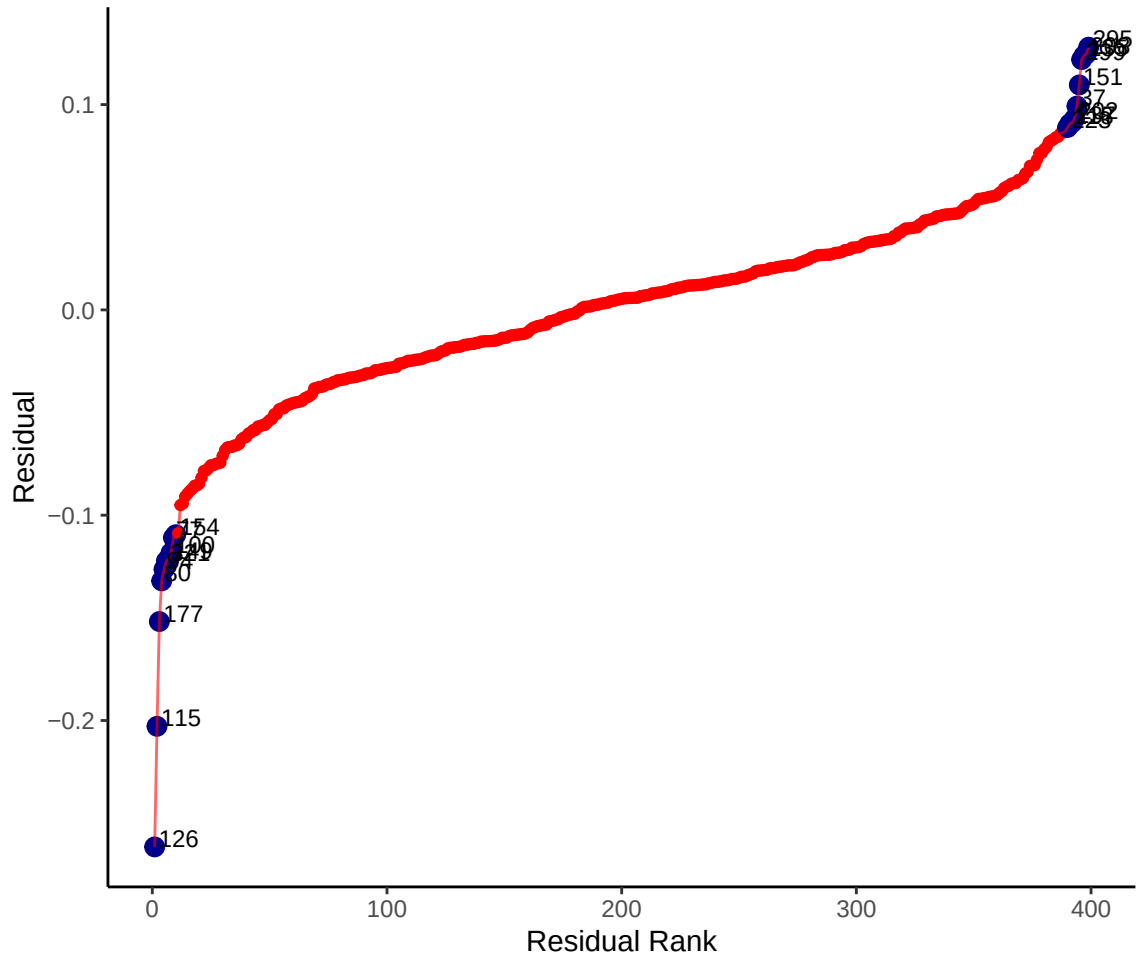


C6guano vs PZM21 (Linear Models, Pos−Avg Expr−Norm)

R² = 0.704 | Red lines: synonymous mean ± SD | Blue: extreme residuals

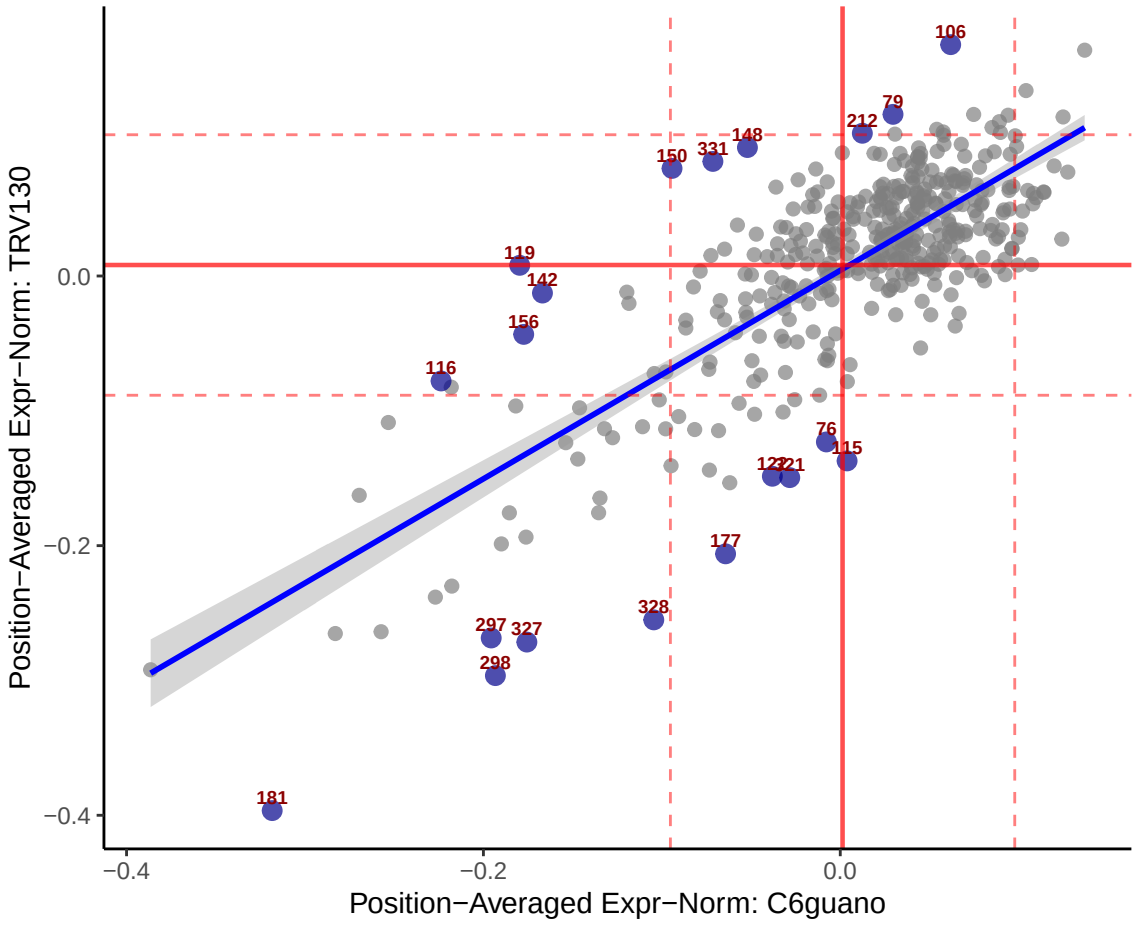


Linear Residuals (pos−avg expr−norm): PZM21 ~ C6guano

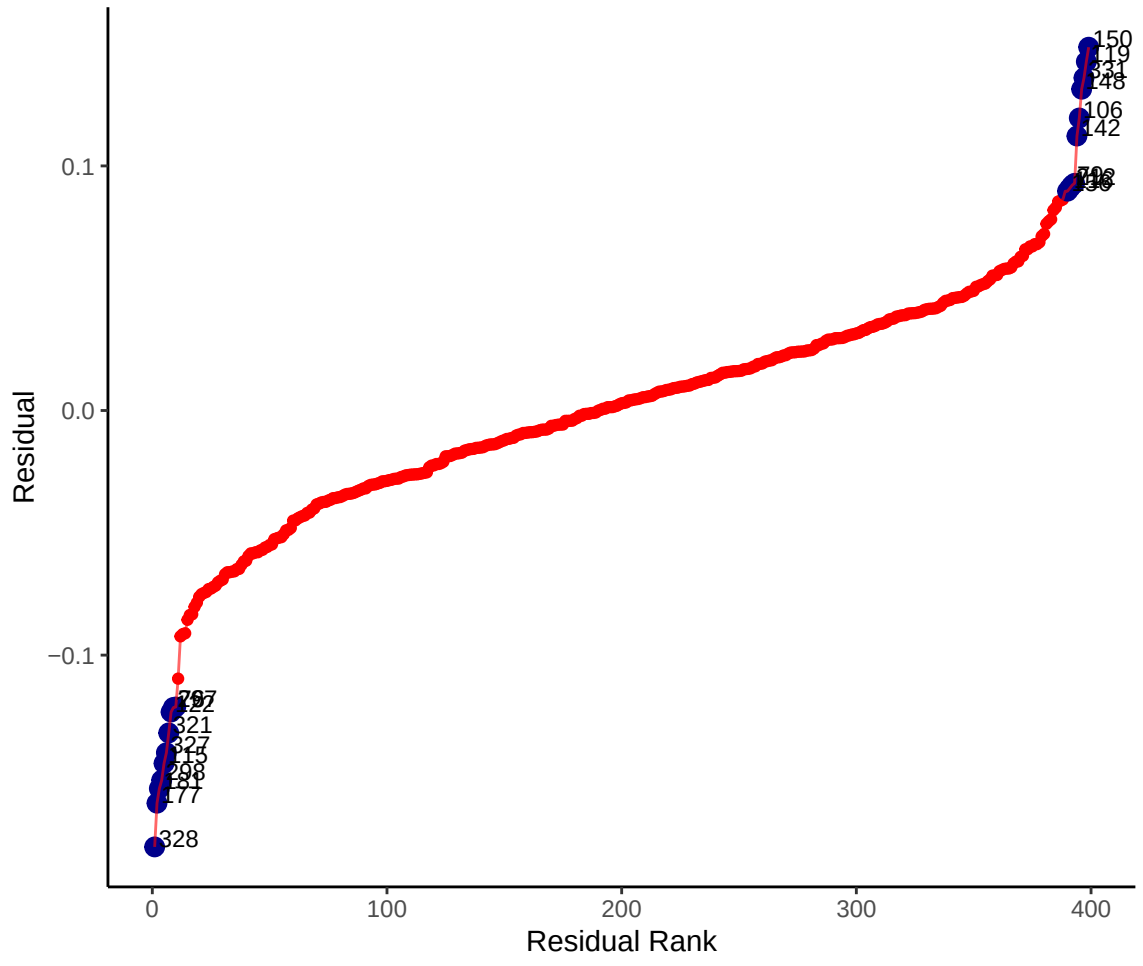


C6guano vs TRV130 (Linear Models, Pos−Avg Expr−Norm)

R² = 0.598 | Red lines: synonymous mean ± SD | Blue: extreme residuals

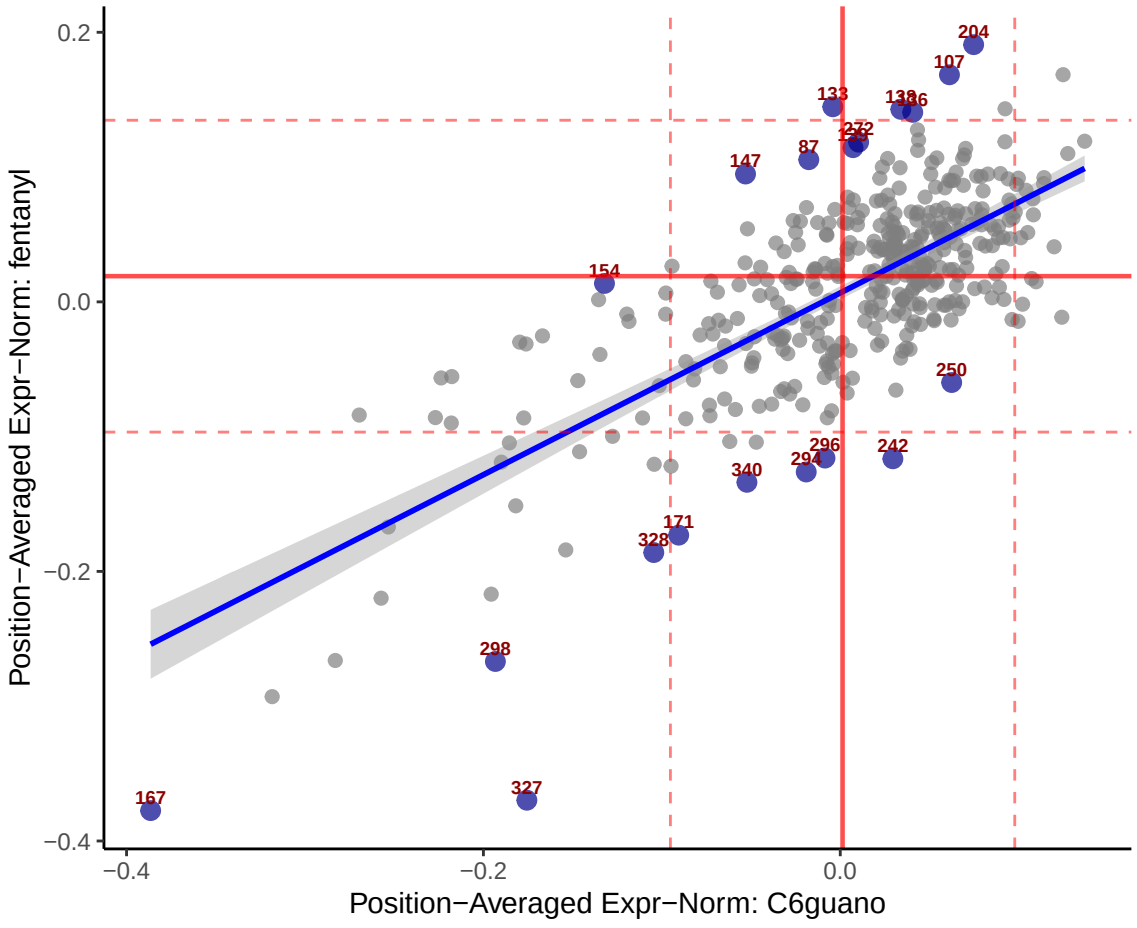


Linear Residuals (pos−avg expr−norm): TRV130 ~ C6guano

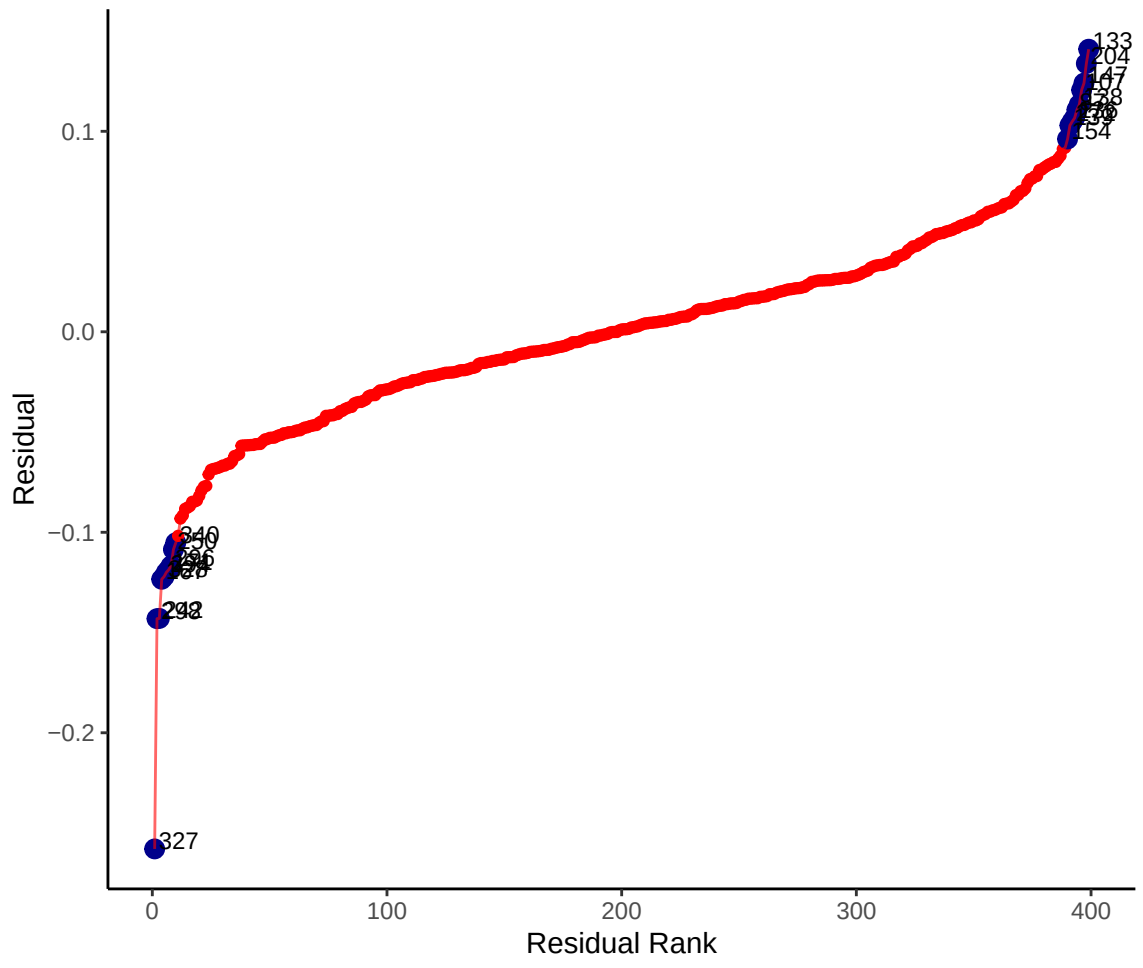


C6guano vs fentanyl (Linear Models, Pos−Avg Expr−Norm)

R² = 0.522 | Red lines: synonymous mean ± SD | Blue: extreme residuals

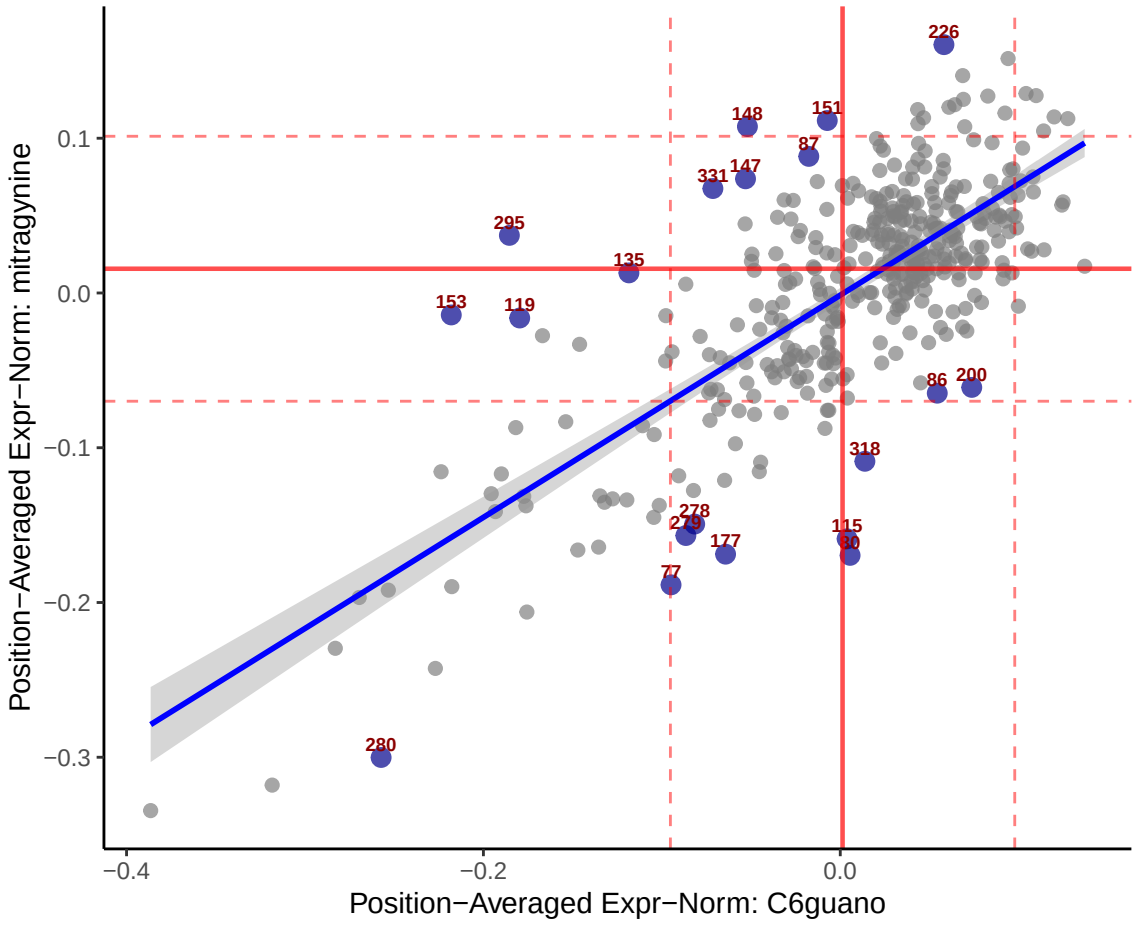


Linear Residuals (pos−avg expr−norm): fentanyl ~ C6guano

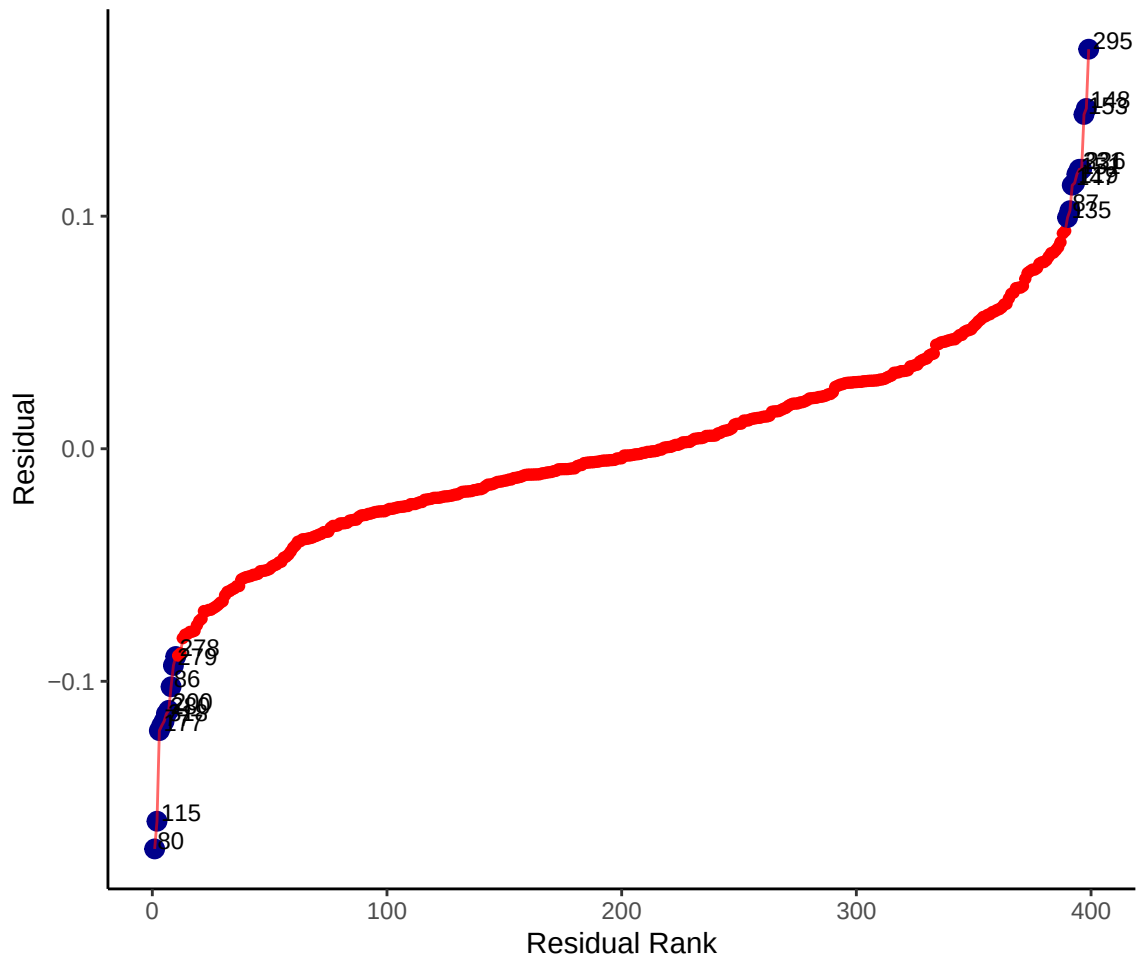


C6guano vs mitragynine (Linear Models, Pos−Avg Expr−Norm)

R² = 0.579 | Red lines: synonymous mean ± SD | Blue: extreme residuals

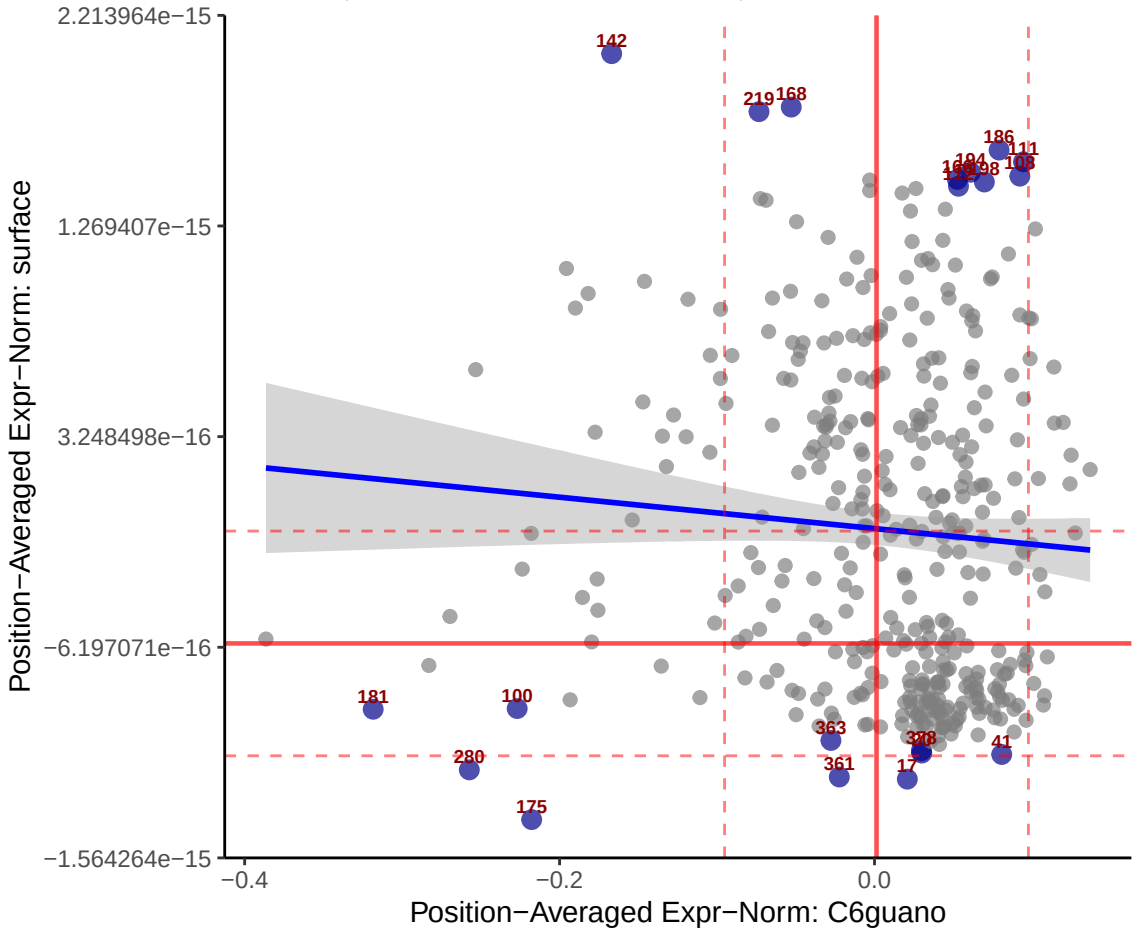


Linear Residuals (pos−avg expr−norm): mitragynine ~ C6guano

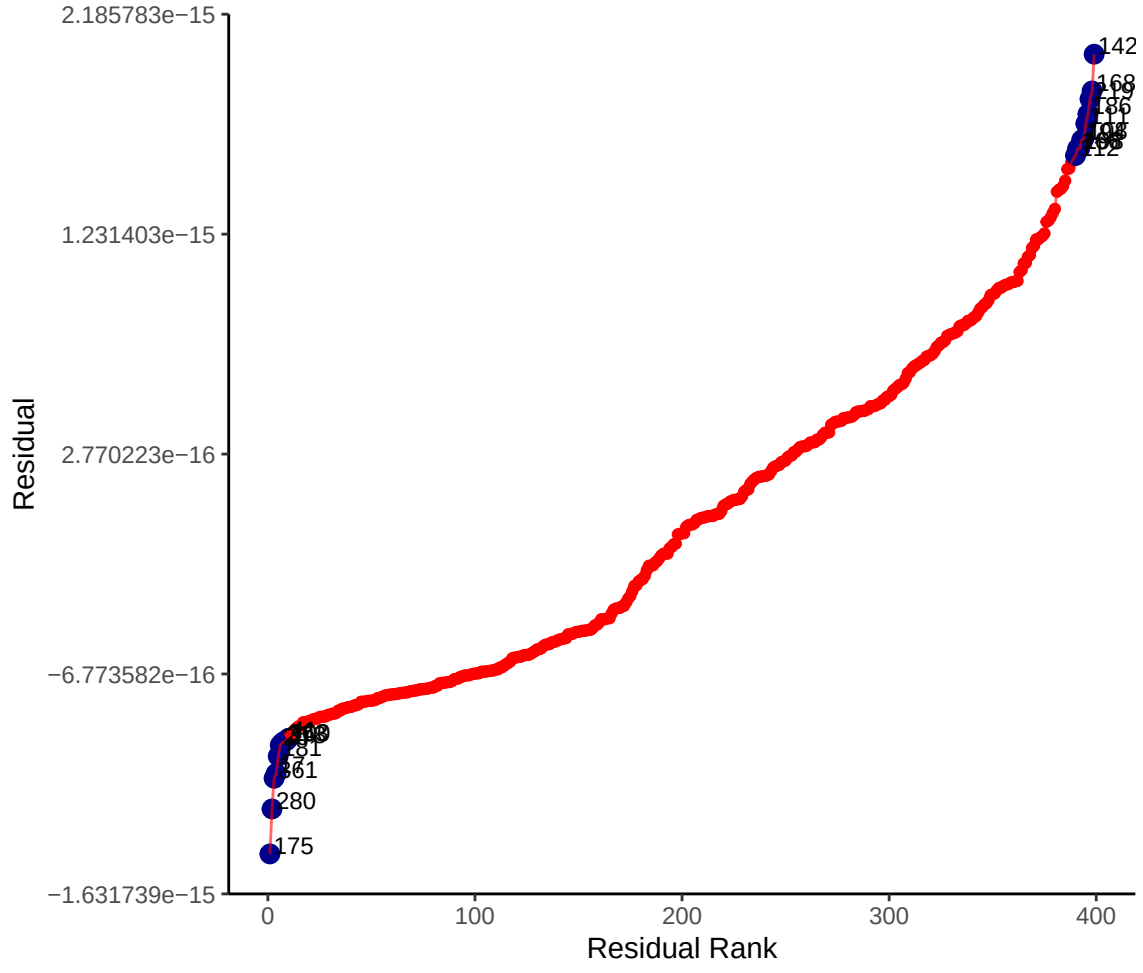


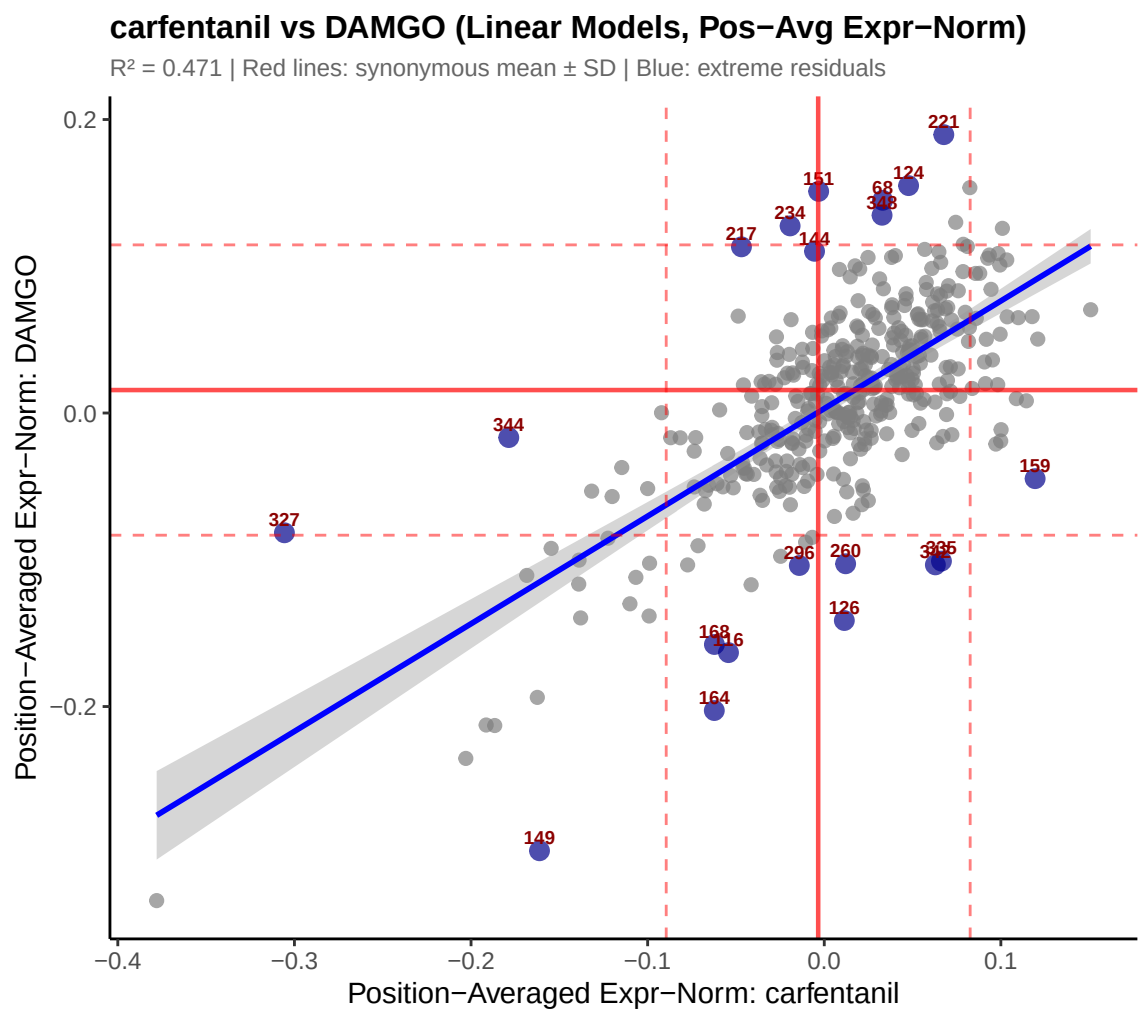
C6guano vs surface (Linear Models, Pos−Avg Expr−Norm)

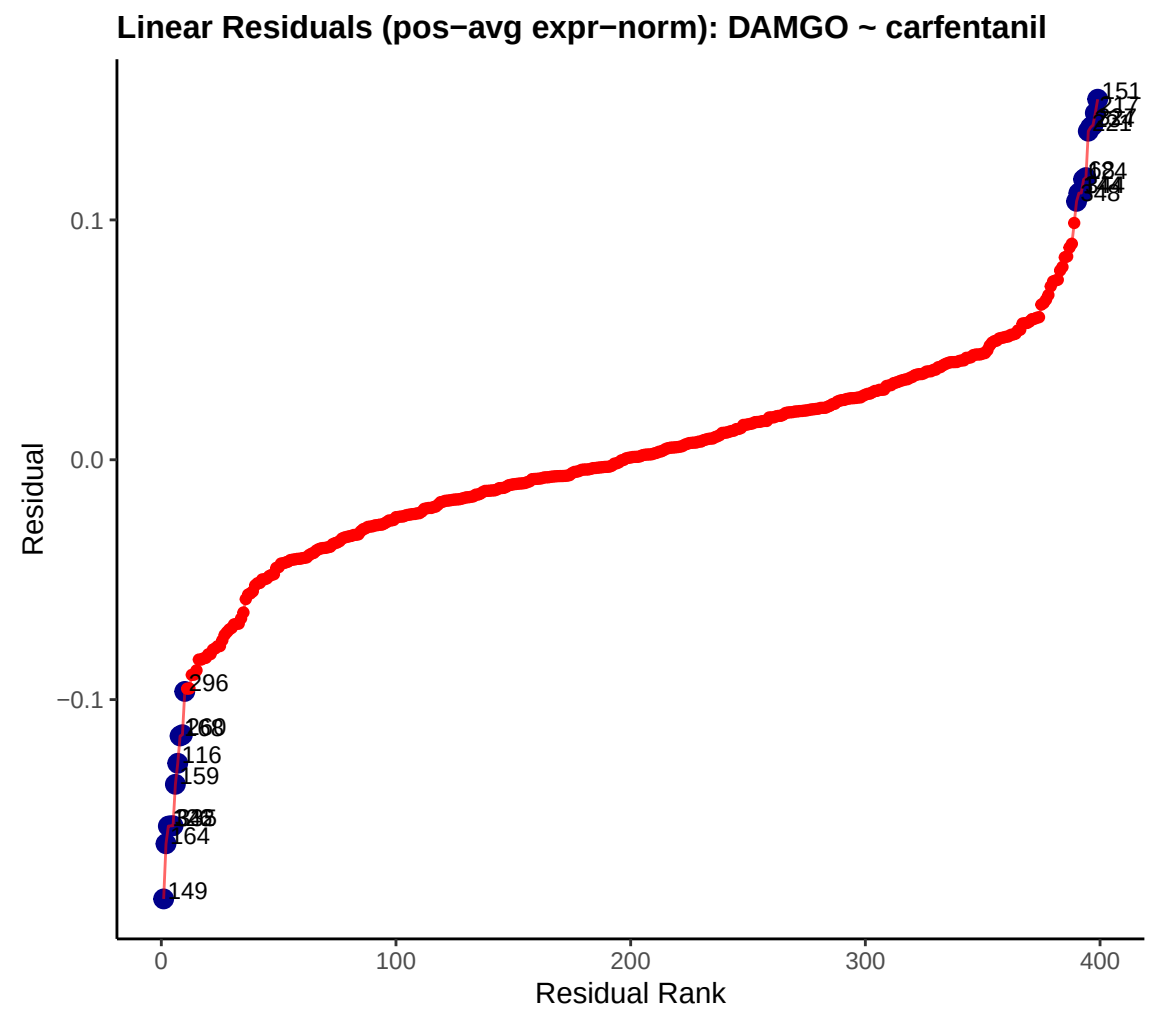
R² = 0.005 | Red lines: synonymous mean ± SD | Blue: extreme residuals

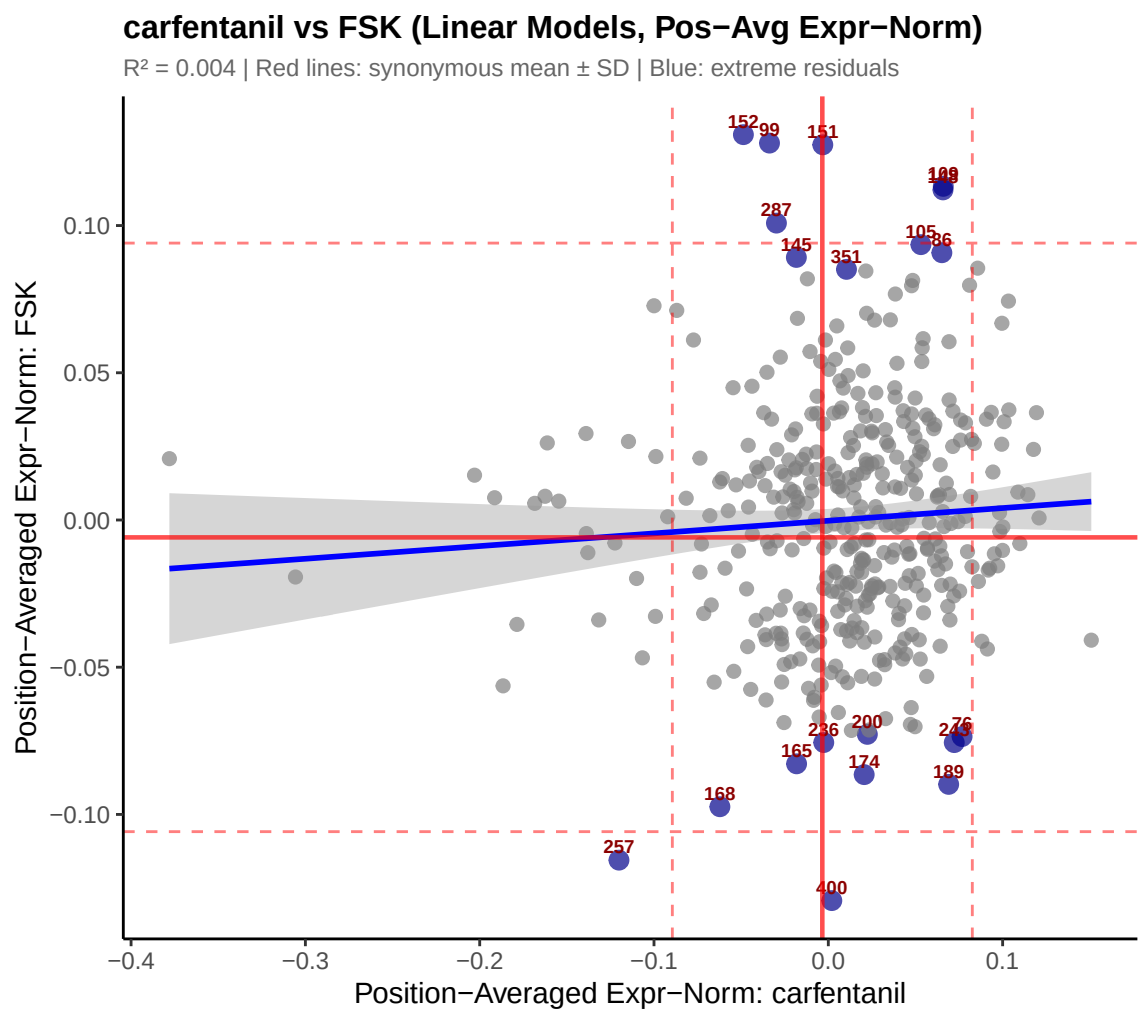


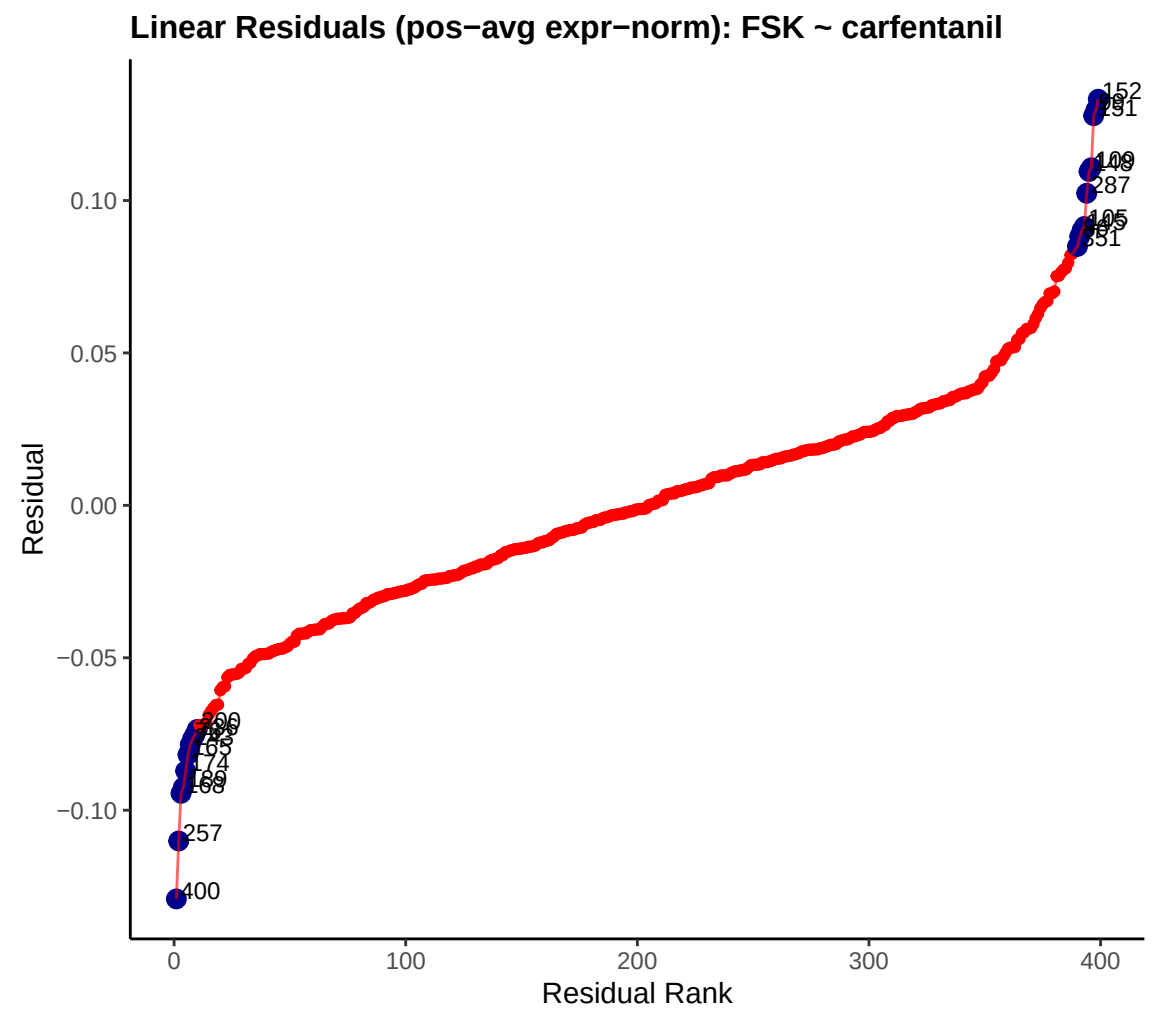
Linear Residuals (pos−avg expr−norm): surface ~ C6guano

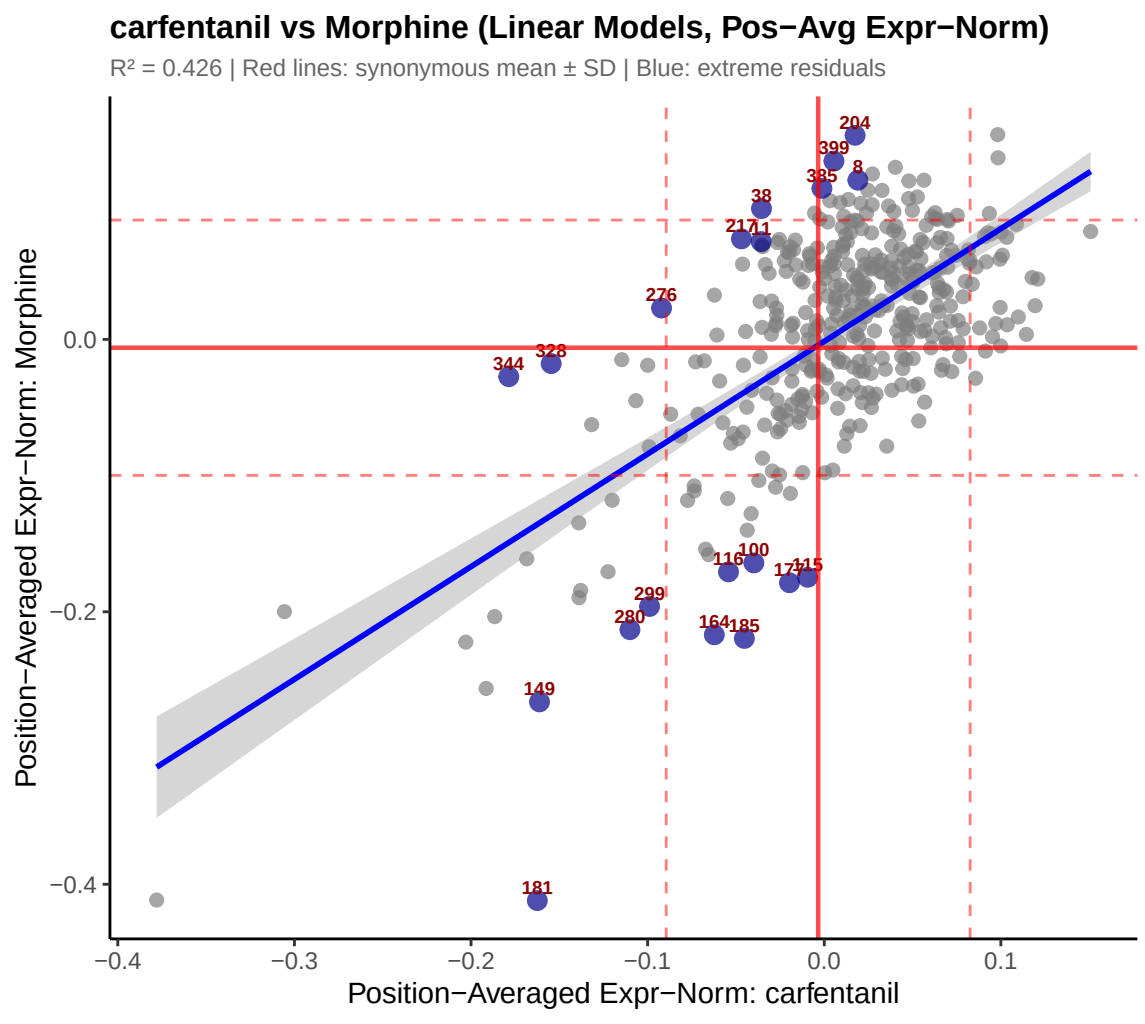


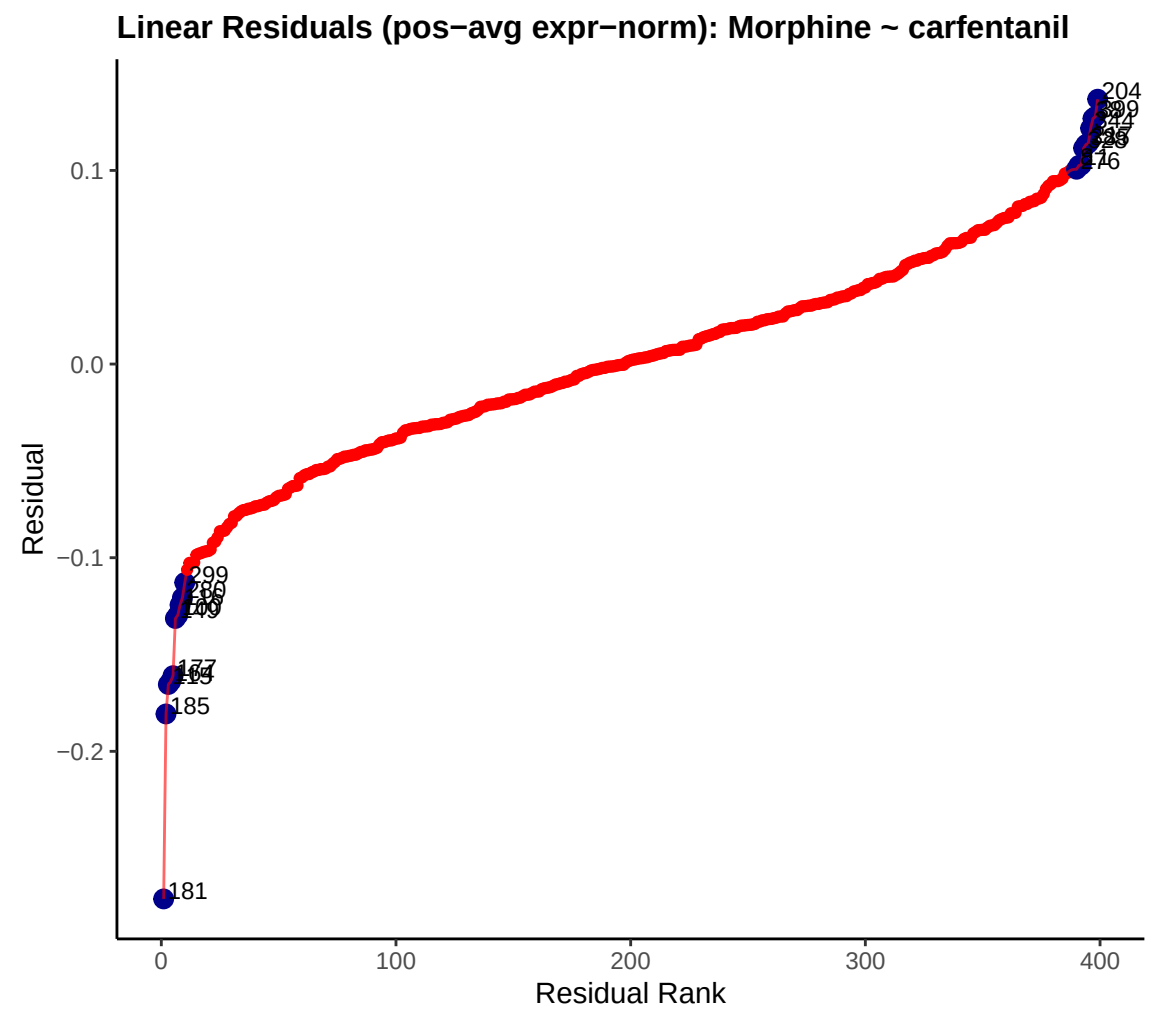

carfentanil vs DAMGO (Linear Models, Pos−Avg Expr−Norm)
R² = 0.471 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: DAMGO
Position−Averaged Expr−Norm: carfentanil
0.2
0.0
−0.2
−0.4
−0.3
−0.1
0.1
221
151
124
68
348
234
217
144
344
159
327
296
260
305
126
168
116
164
149

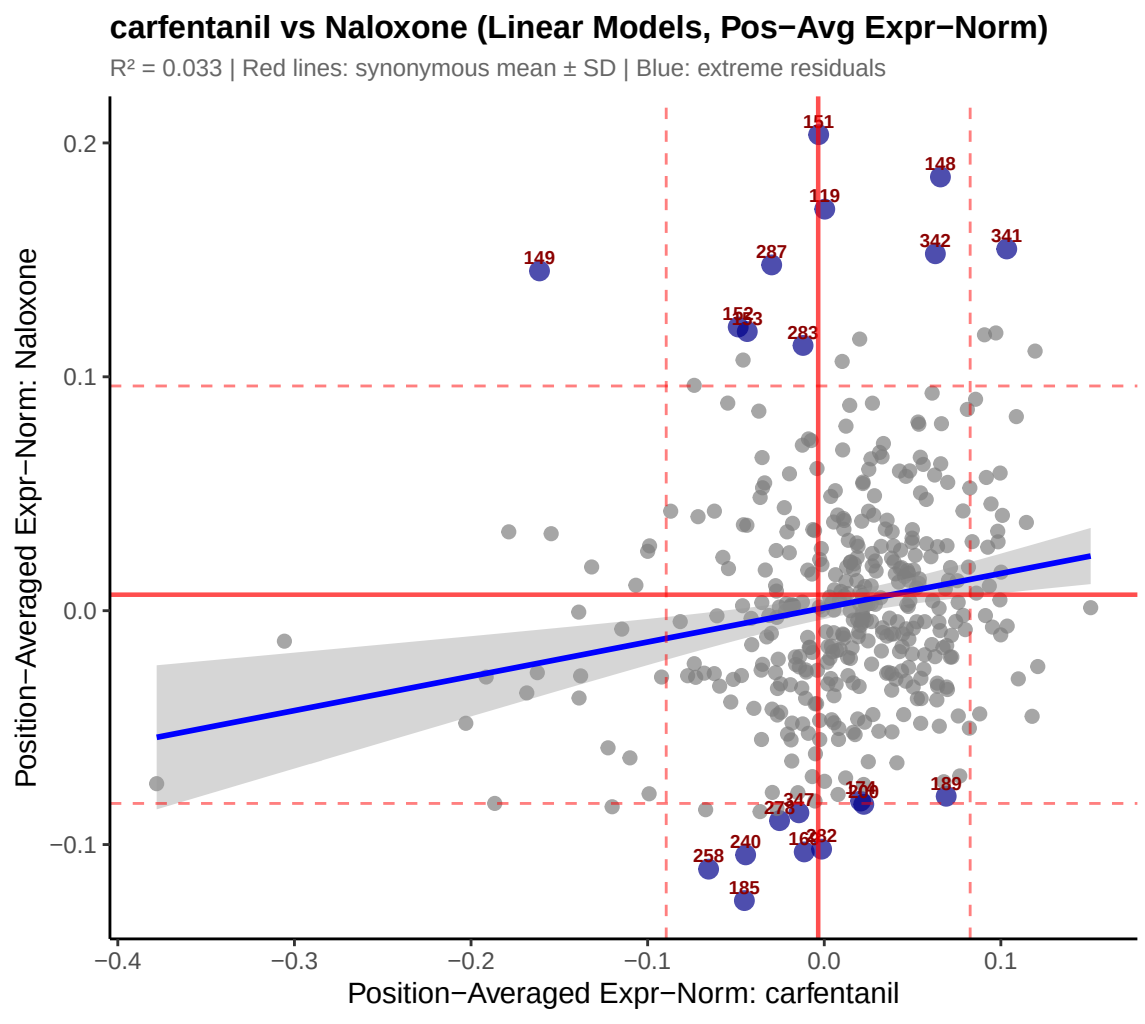

Linear Residuals (pos−avg expr−norm): DAMGO ~ carfentanil
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400
151
684
296
116
159
164
149

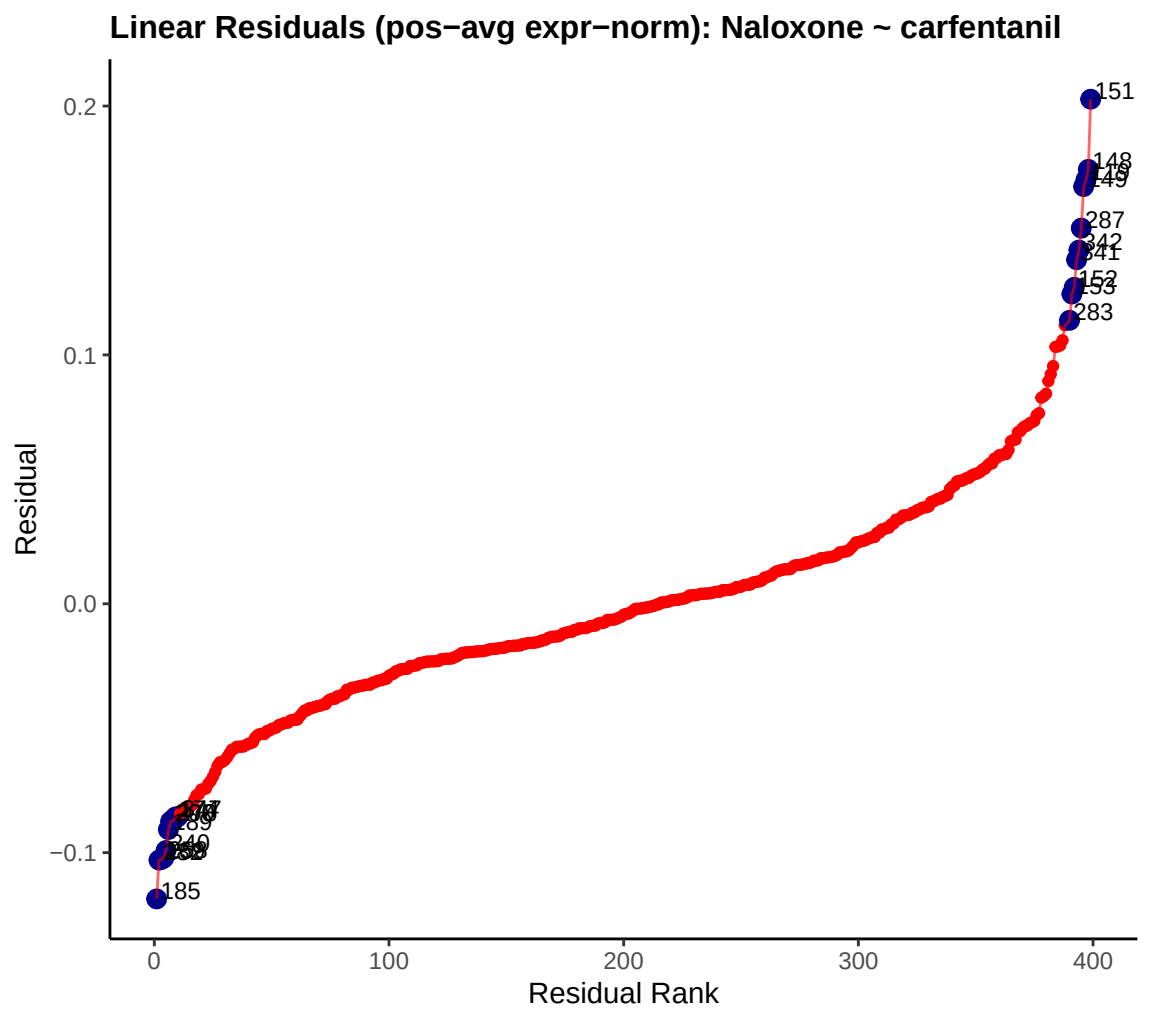

carfentanil vs FSK (Linear Models, Pos−Avg Expr−Norm)
R² = 0.004 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: FSK
Position−Averaged Expr−Norm: carfentanil
0.10
0.05
0.00
−0.05
−0.10
−0.4
−0.3
−0.2
−0.1
0.0
0.1
152
99
151
287
145
105
351
236
200
165
174
168
257
400
189

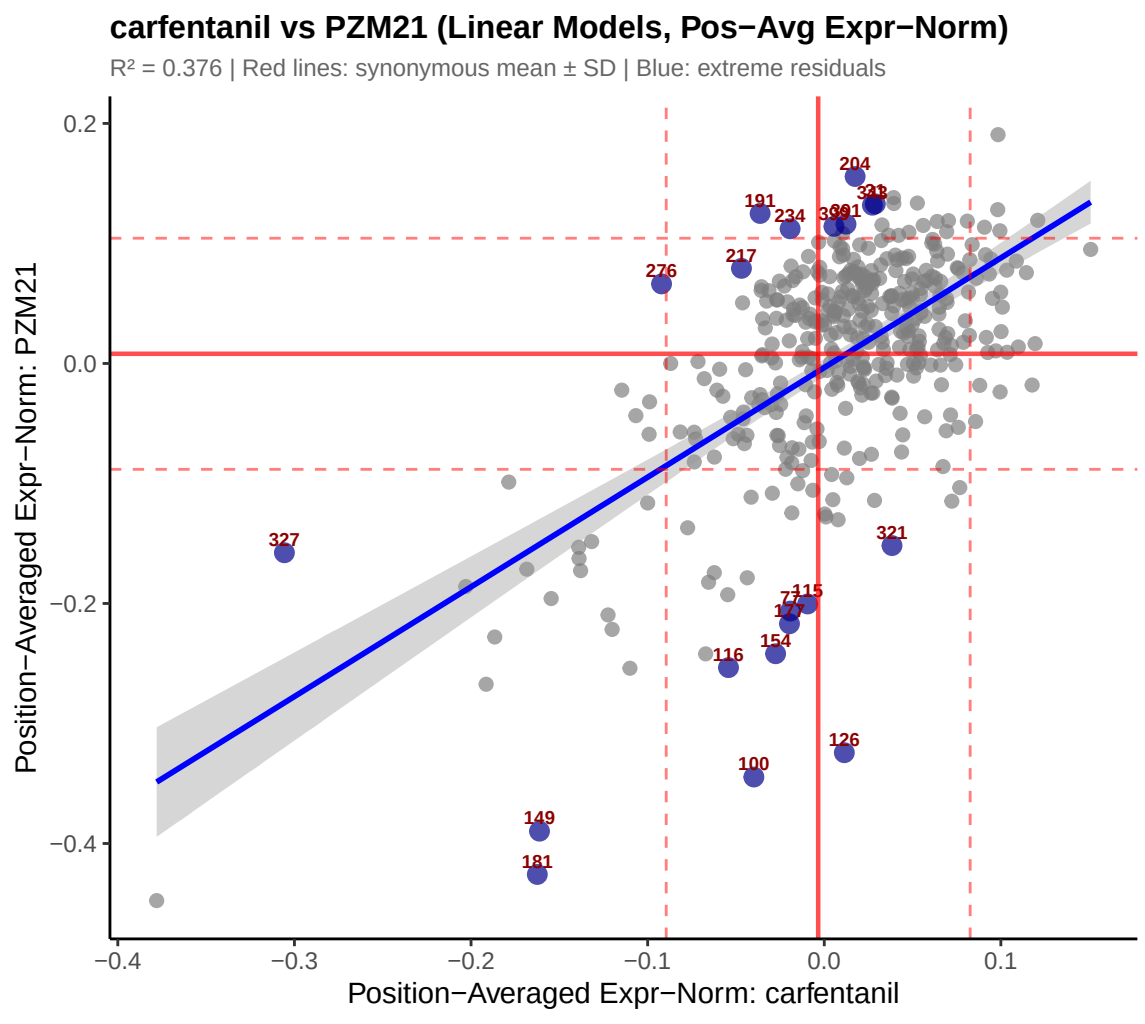

Linear Residuals (pos−avg expr−norm): FSK ~ carfentanil
Residual
Residual Rank
0.10
0.05
0.00
−0.05
−0.10
0
100
200
300
400
152
287
257
400

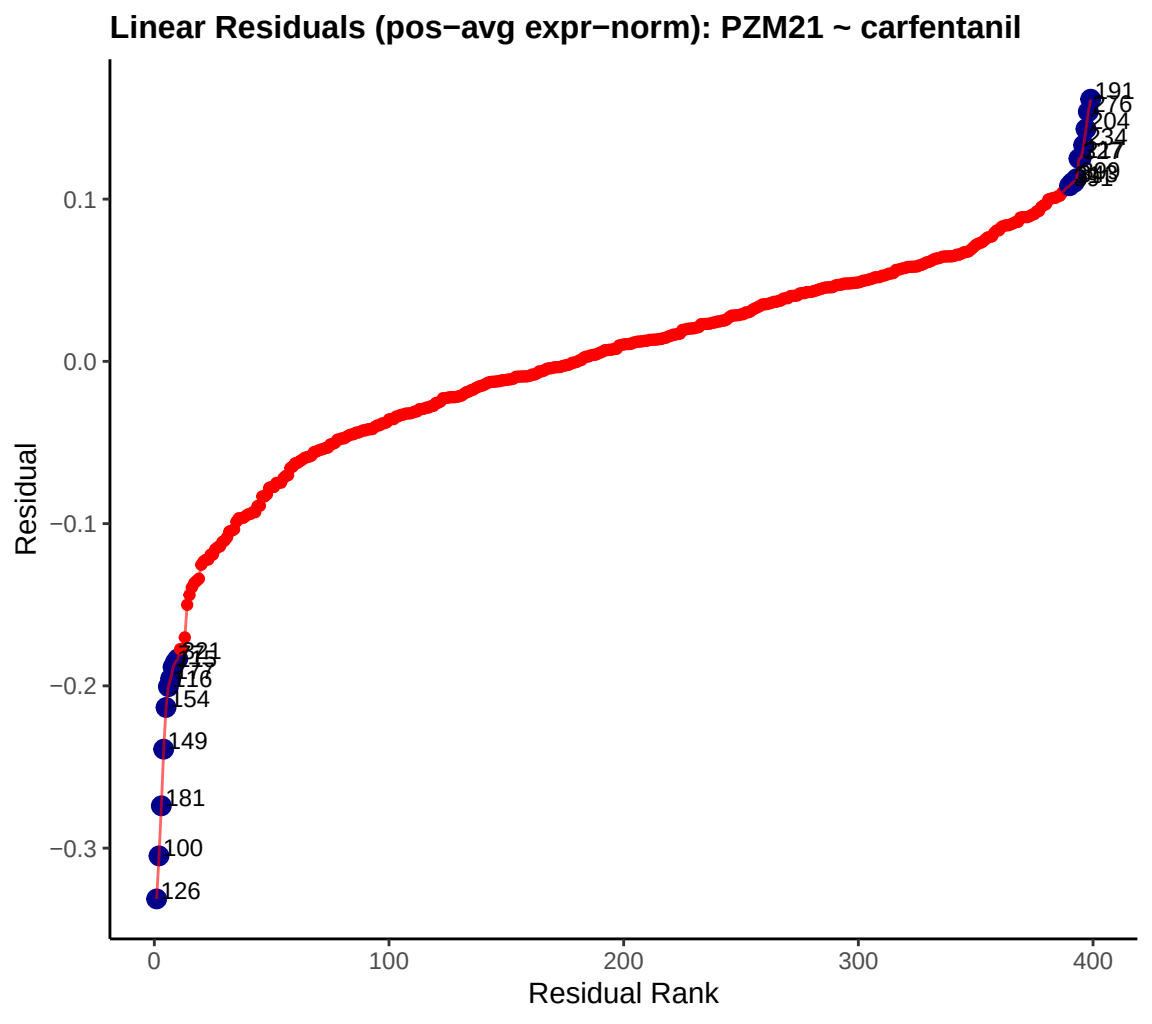

carfentanil vs Morphine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.426 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: Morphine
Position−Averaged Expr−Norm: carfentanil
0.0
−0.2
−0.4
−0.3
−0.1
0.1
204
399
385
8
38
276
328
344
100
299
280
164
185
149
181

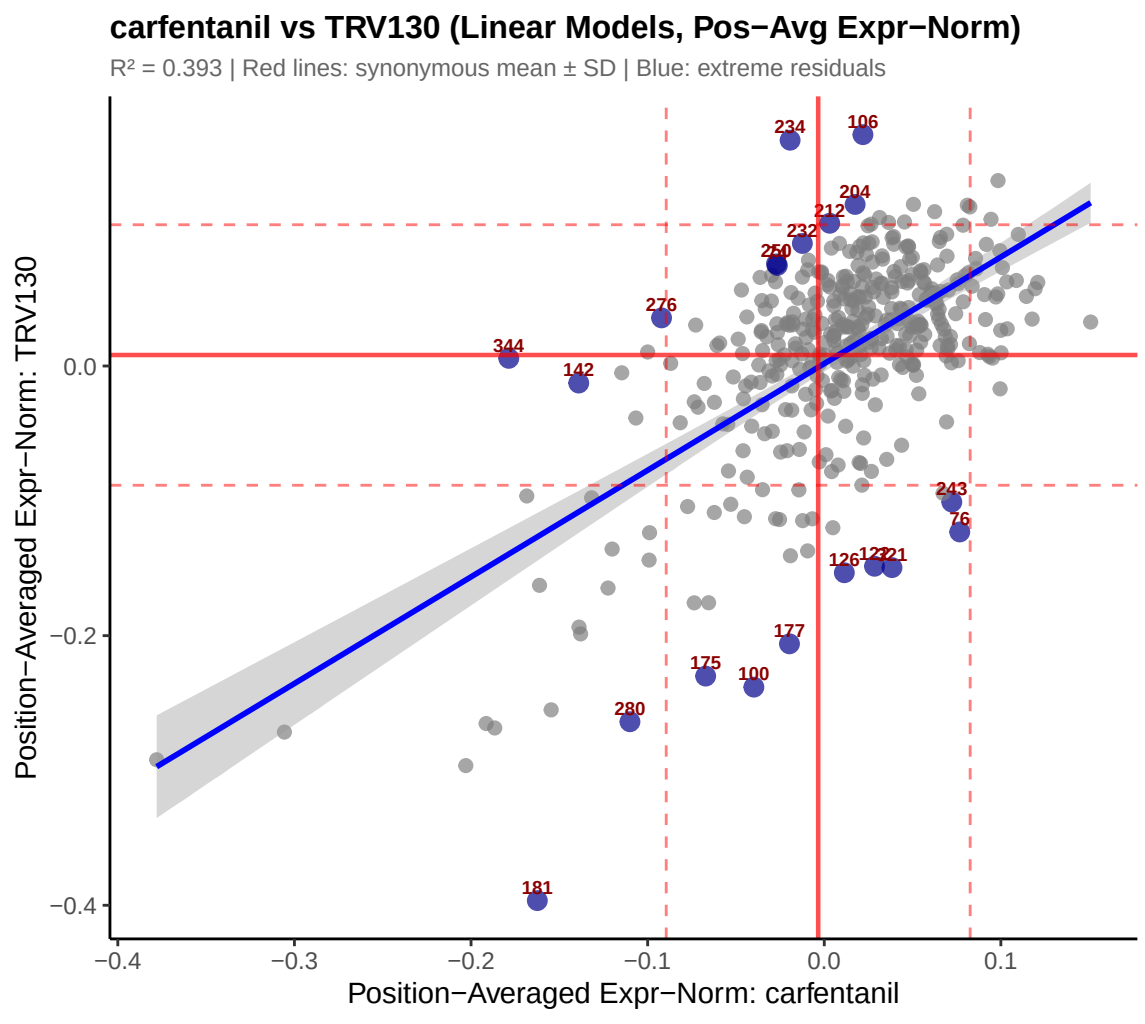

Linear Residuals (pos−avg expr−norm): Morphine ~ carfentanil
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
0
100
200
300
400
204
299
185
181

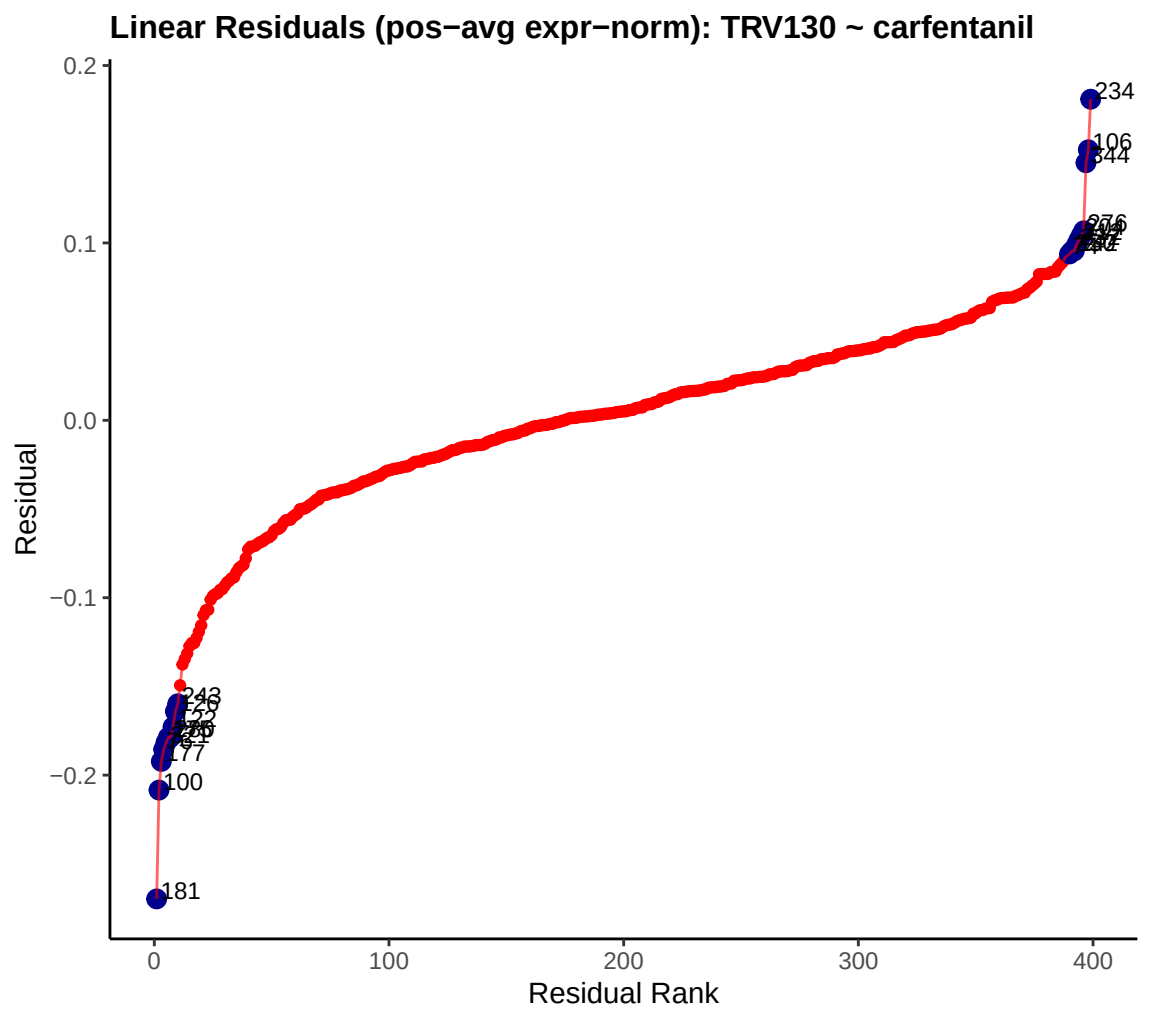

carfentanil vs Naloxone (Linear Models, Pos−Avg Expr−Norm)
R² = 0.033 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: Naloxone
Position−Averaged Expr−Norm: carfentanil
151
148
119
149
287
342
341
152
153
283
189
240
258
185

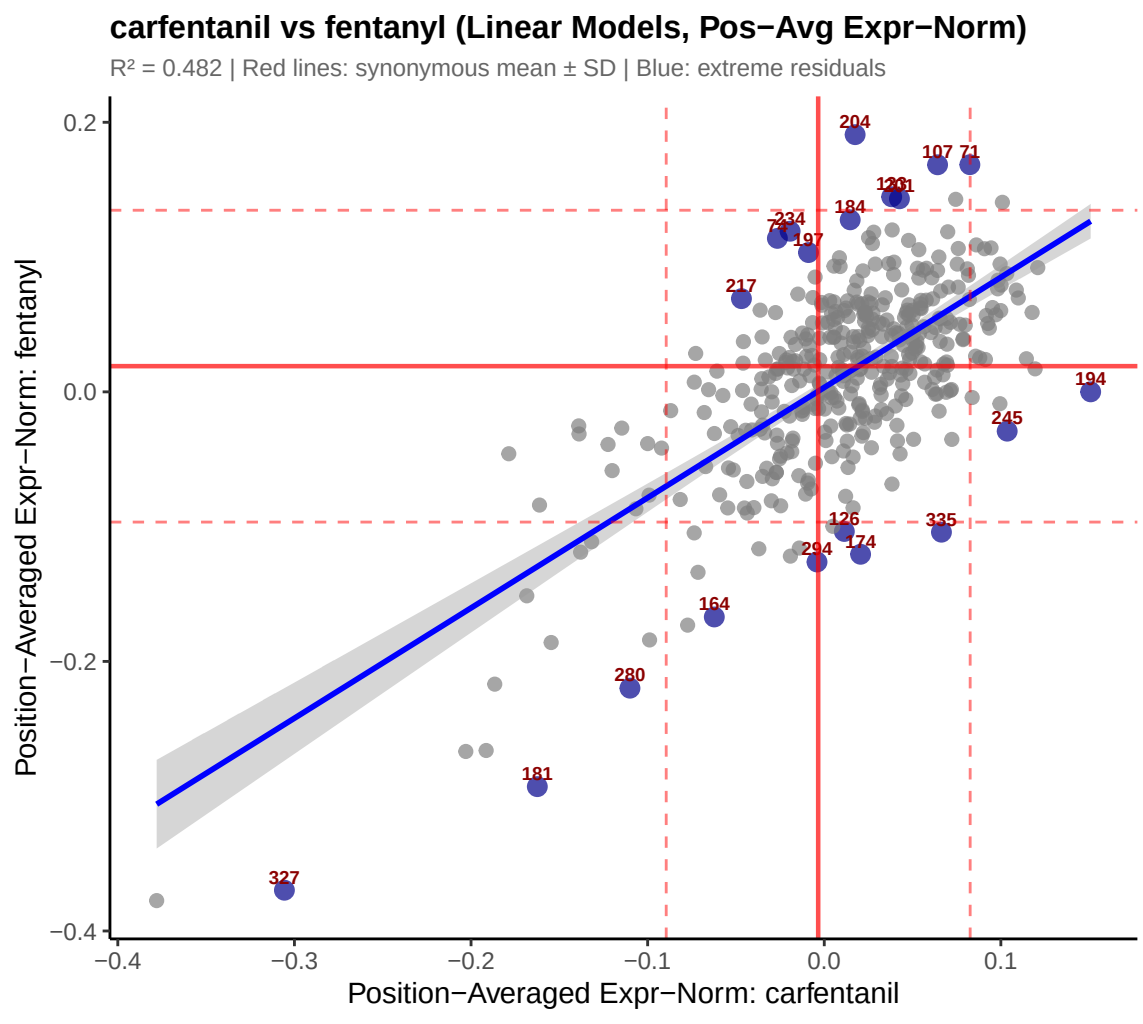

Linear Residuals (pos−avg expr−norm): Naloxone ~ carfentanil
Residual
Residual Rank
151
148
287
342
341
152
153
283
185

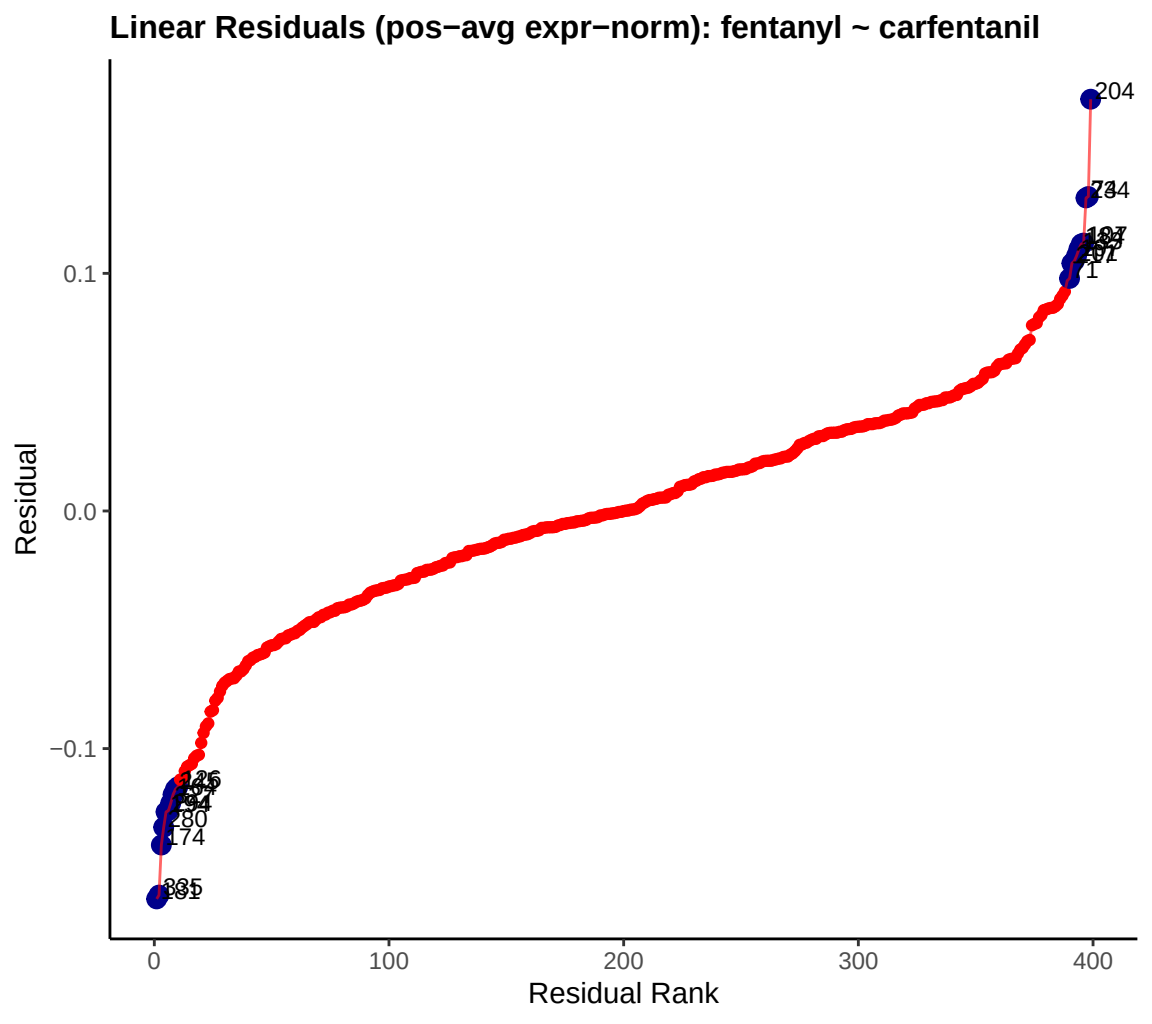

carfentanil vs PZM21 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.376 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: PZM21
Position−Averaged Expr−Norm: carfentanil
204
191
234
276
217
327
321
115
177
154
116
126
100
149
181

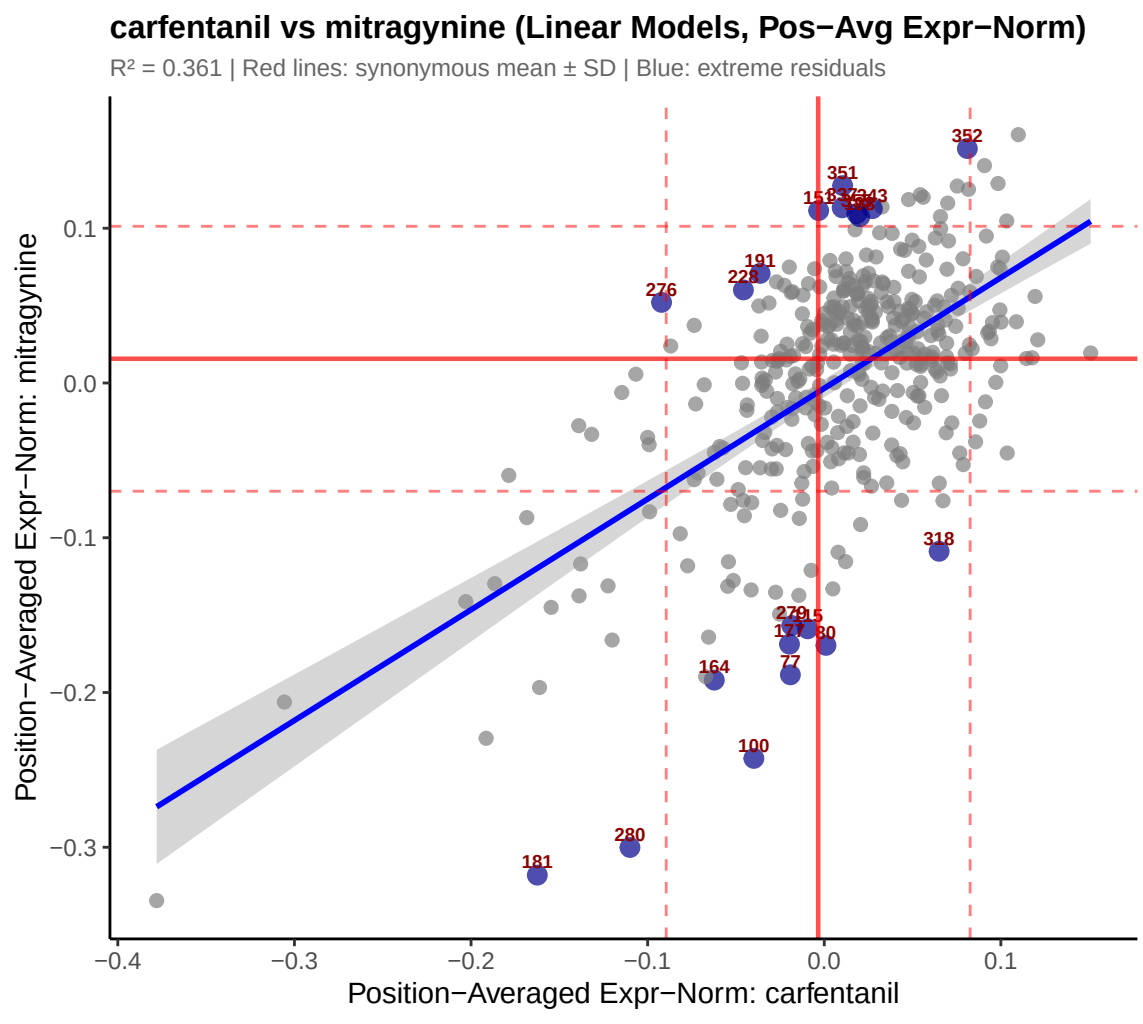

Linear Residuals (pos−avg expr−norm): PZM21 ~ carfentanil
Residual
Residual Rank
191
204
234
154
149
181
100
126

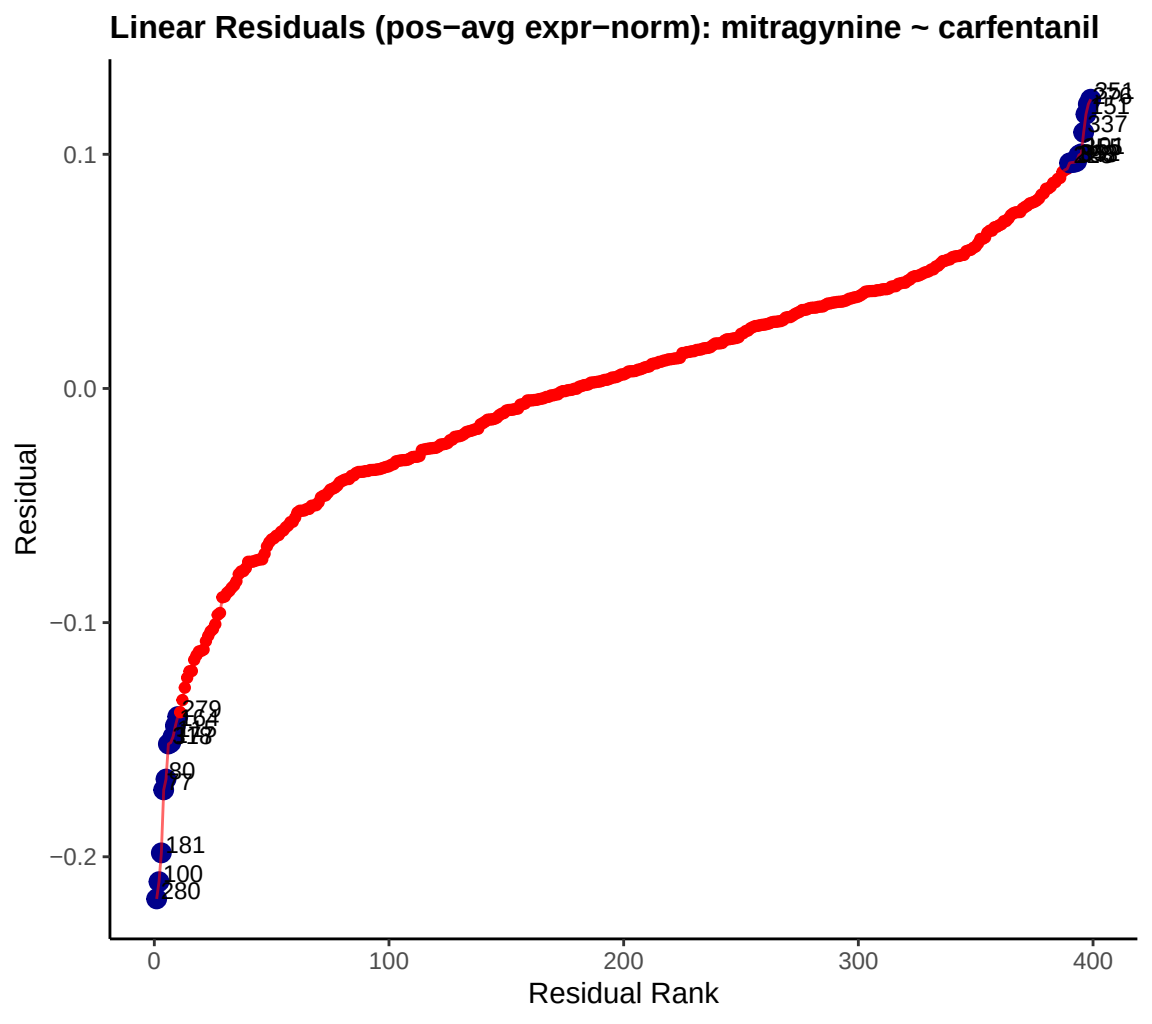

carfentanil vs TRV130 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.393 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: TRV130
Position−Averaged Expr−Norm: carfentanil
234
106
204
212
232
276
344
142
243
76
177
175
100
280
181

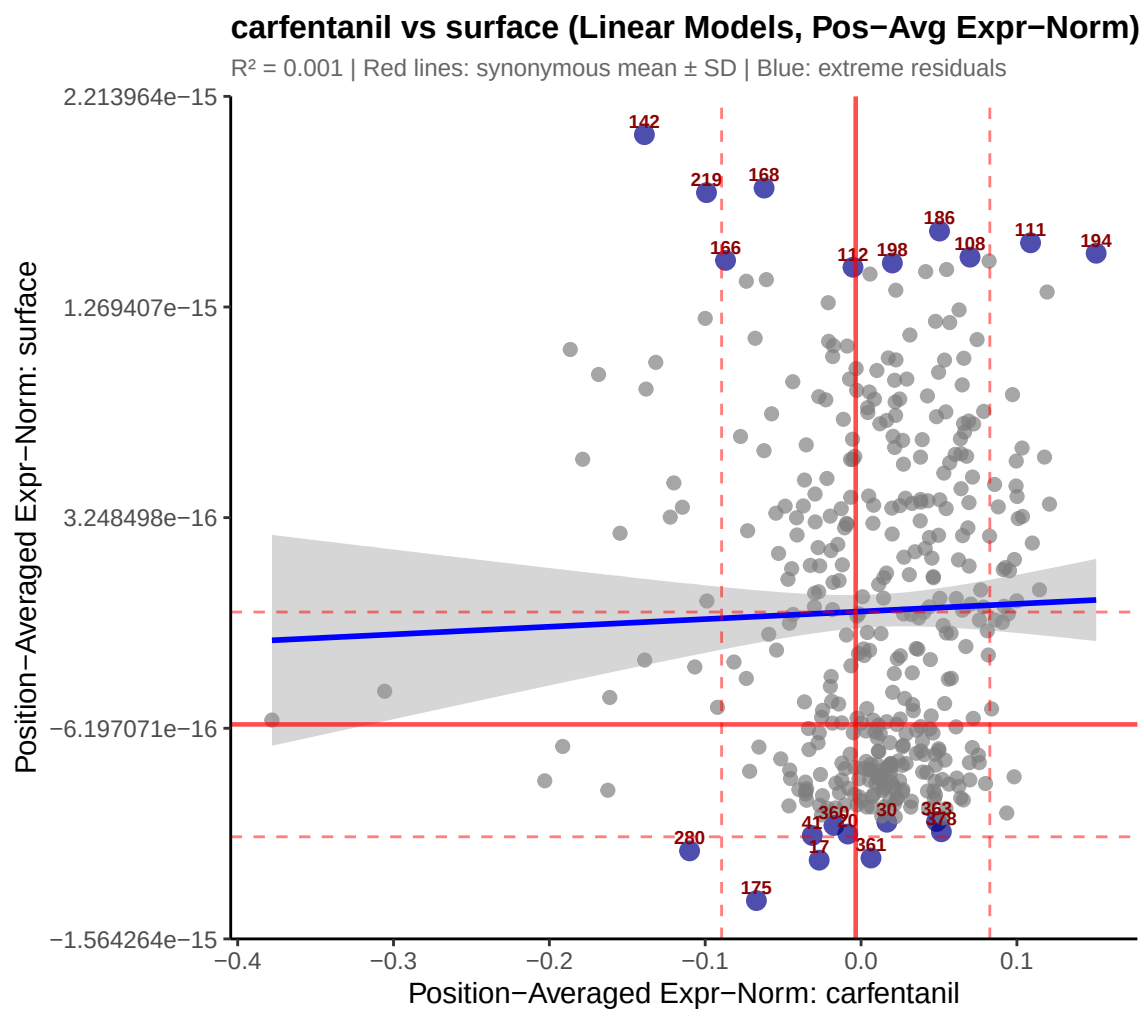

Linear Residuals (pos−avg expr−norm): TRV130 ~ carfentanil
Residual
Residual Rank
234
106
100
181

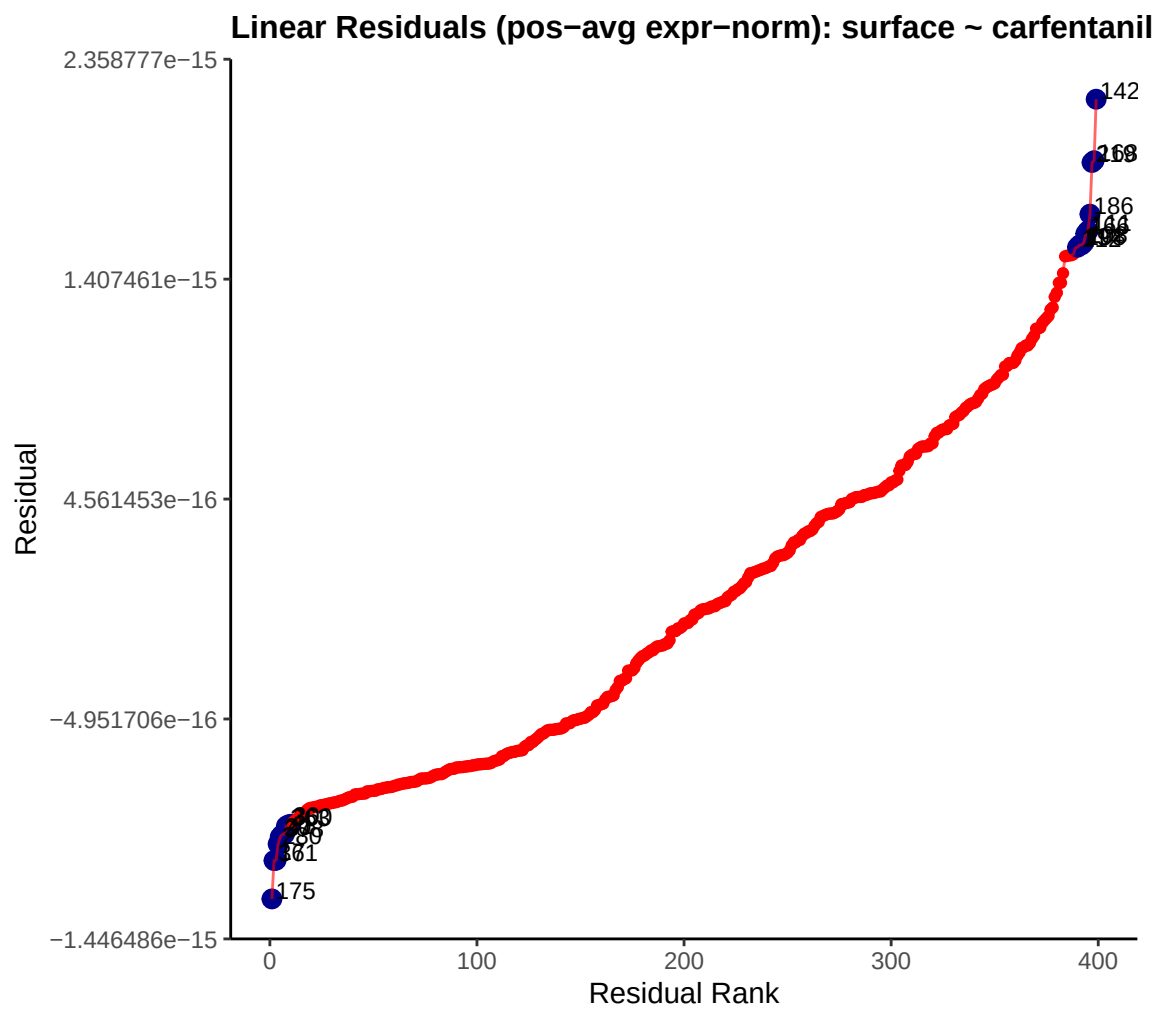

carfentanil vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.482 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: carfentanil
204
107
71
184
234
197
217
194
245
126
335
294
174
164
280
181
327


Linear Residuals (pos−avg expr−norm): fentanyl ~ carfentanil
Residual
Residual Rank
204
74
280
174
335


carfentanil vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.361 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: carfentanil
352
351
191
276
318
164
77
100
280
181

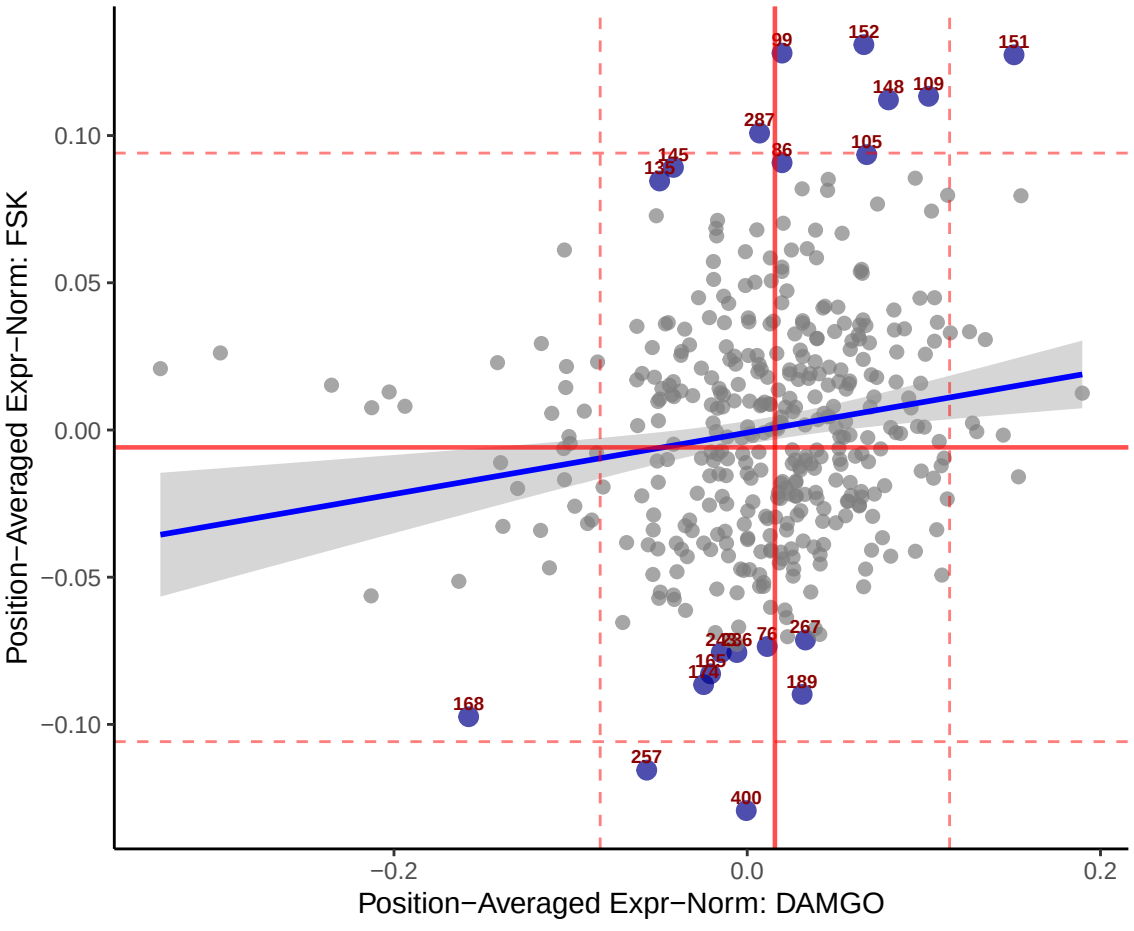

Linear Residuals (pos−avg expr−norm): mitragynine ~ carfentanil
Residual
Residual Rank
337
279
181
100
280


carfentanil vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.001 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: carfentanil
142
219
168
186
166
112
198
108
111
194
280
175

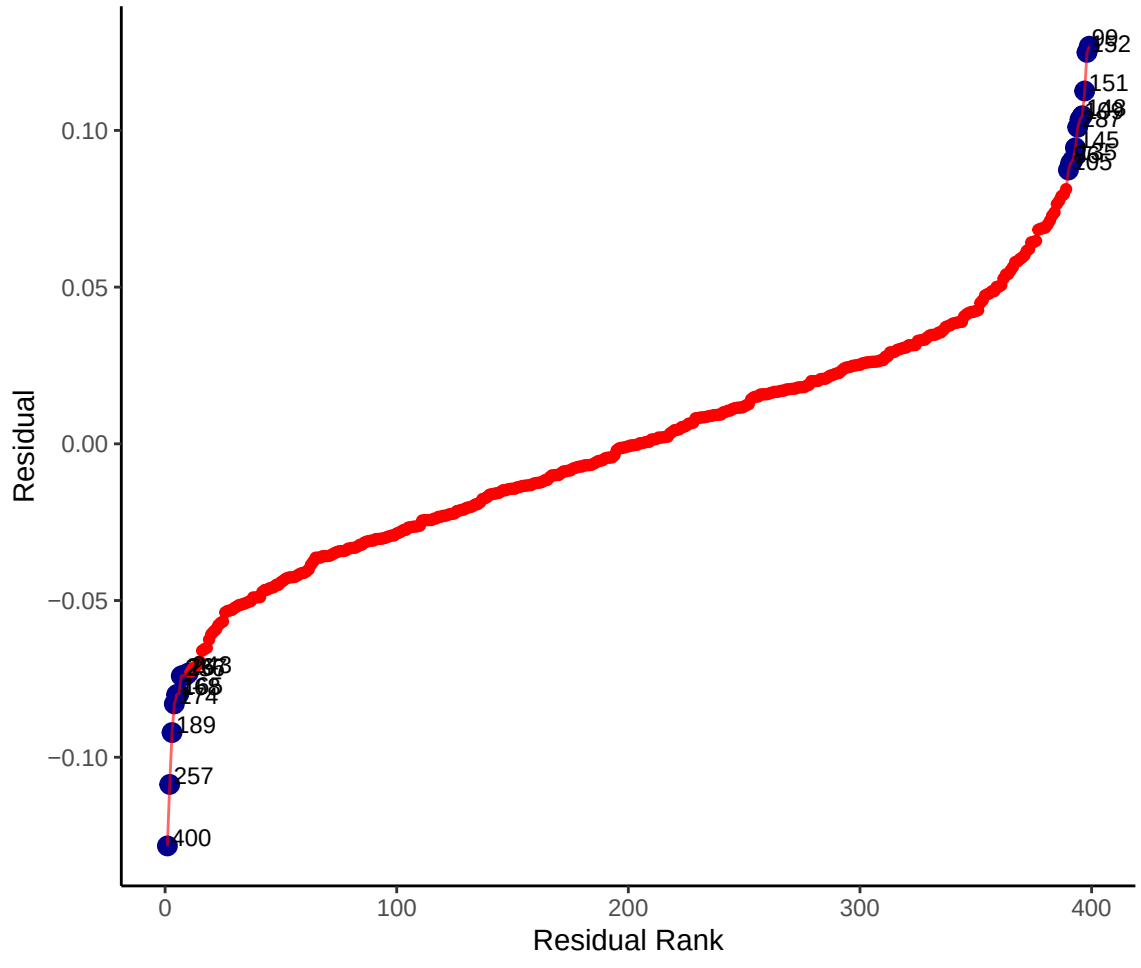

Linear Residuals (pos−avg expr−norm): surface ~ carfentanil
Residual
Residual Rank
142
186
175

DAMGO vs FSK (Linear Models, Pos−Avg Expr−Norm)

R² = 0.028 | Red lines: synonymous mean ± SD | Blue: extreme residuals

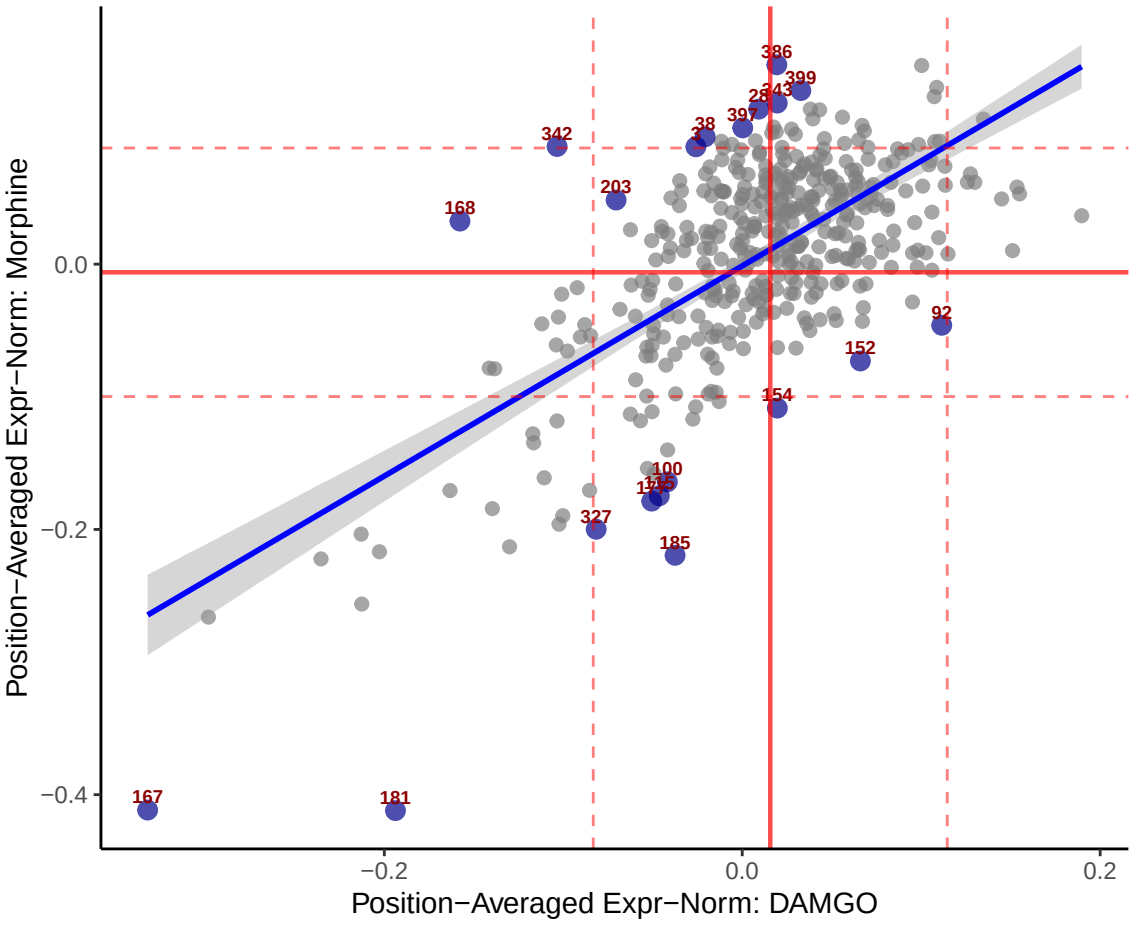


Linear Residuals (pos−avg expr−norm): FSK ~ DAMGO

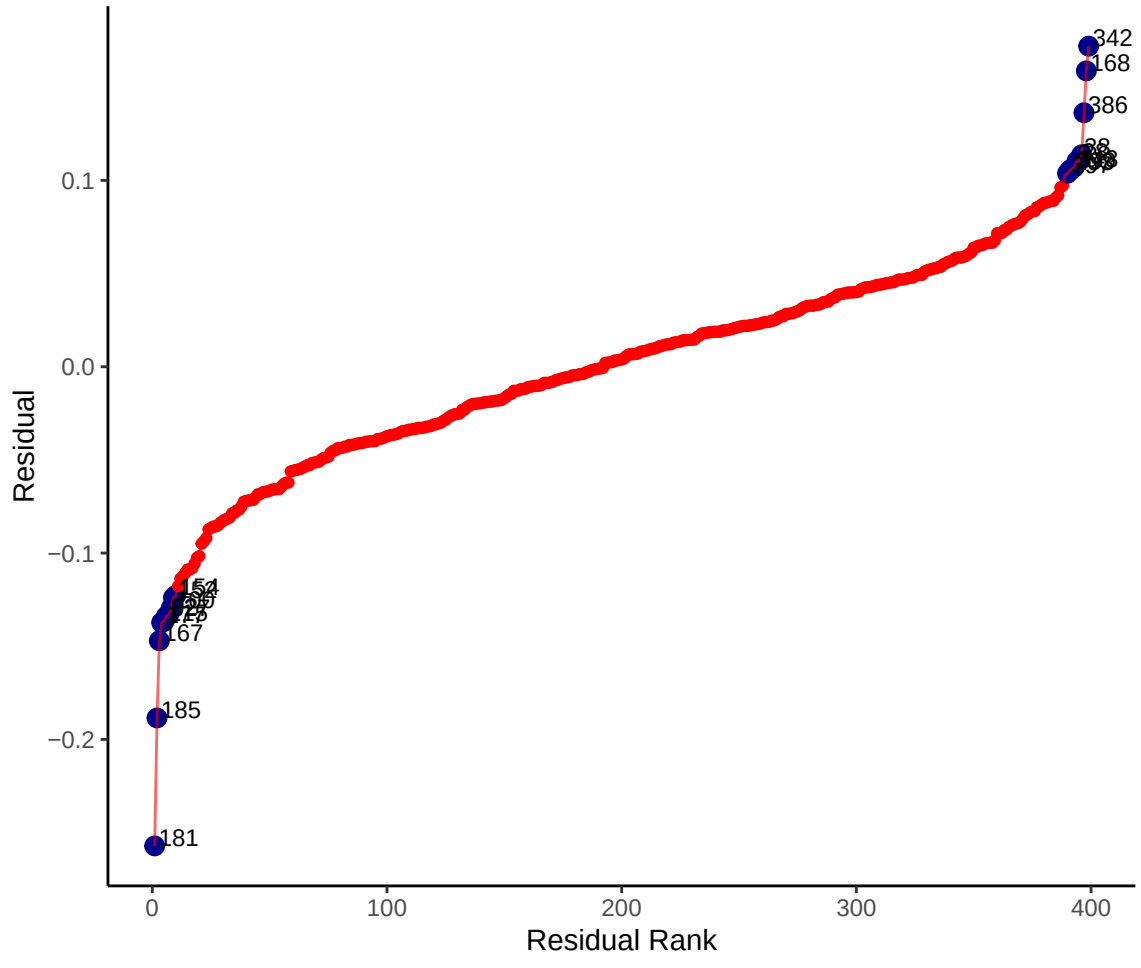


DAMGO vs Morphine (Linear Models, Pos−Avg Expr−Norm)

R² = 0.447 | Red lines: synonymous mean ± SD | Blue: extreme residuals

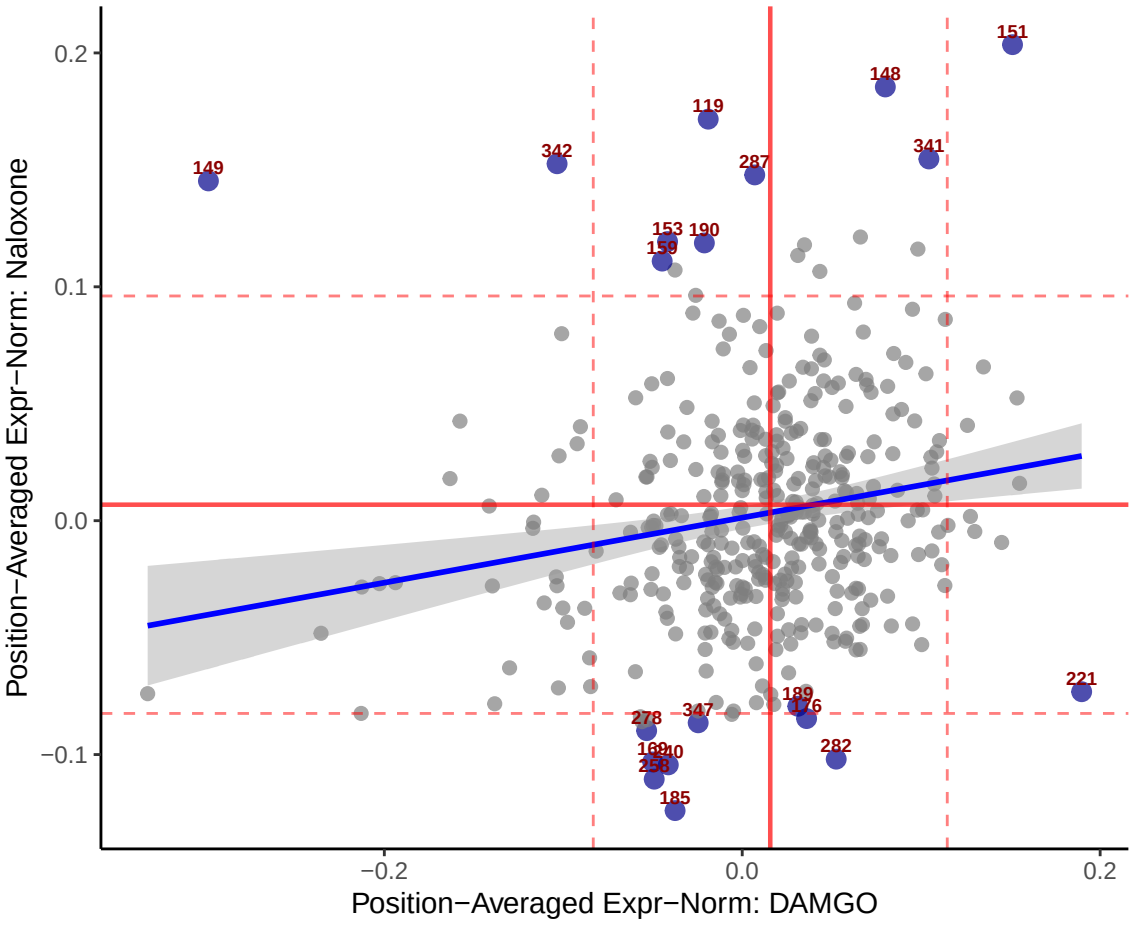


Linear Residuals (pos−avg expr−norm): Morphine ~ DAMGO

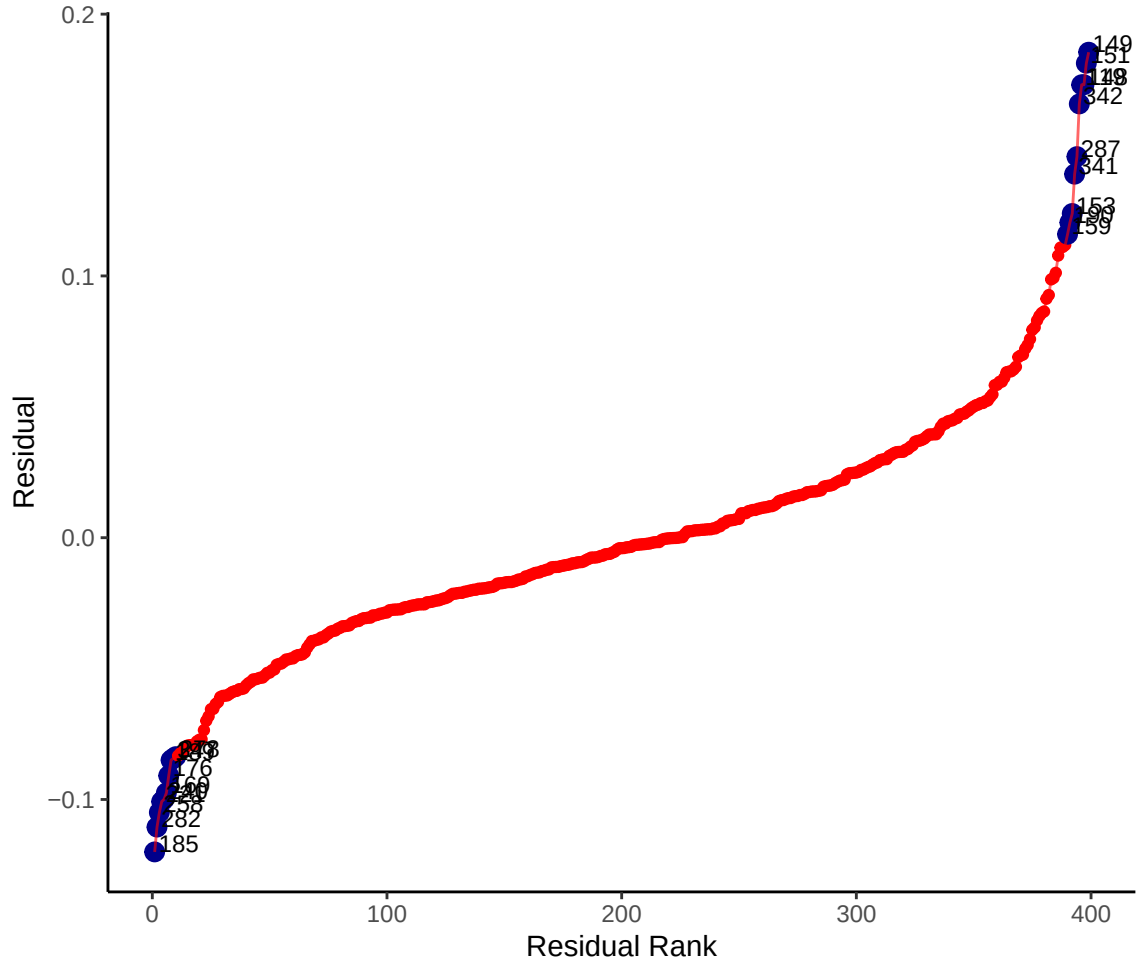


DAMGO vs Naloxone (Linear Models, Pos−Avg Expr−Norm)

R² = 0.034 | Red lines: synonymous mean ± SD | Blue: extreme residuals

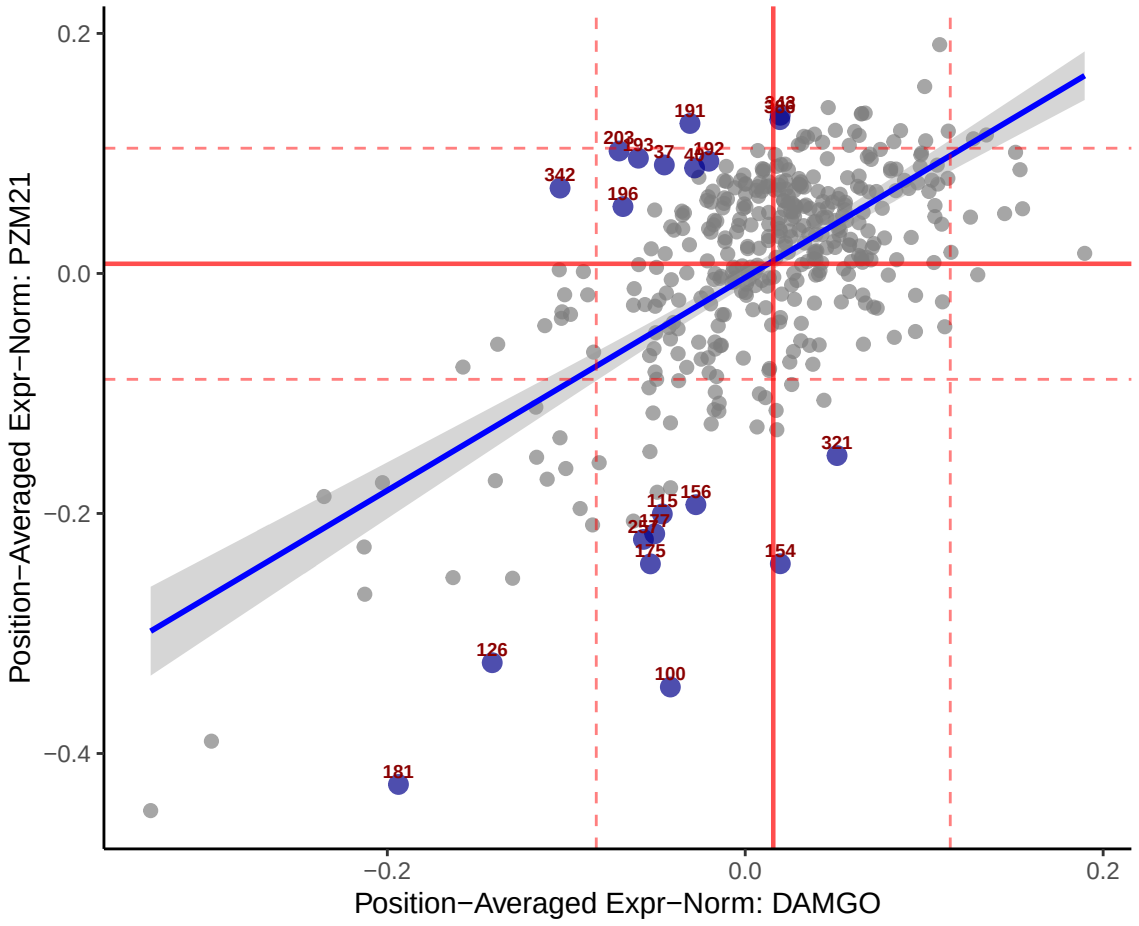


Linear Residuals (pos−avg expr−norm): Naloxone ~ DAMGO

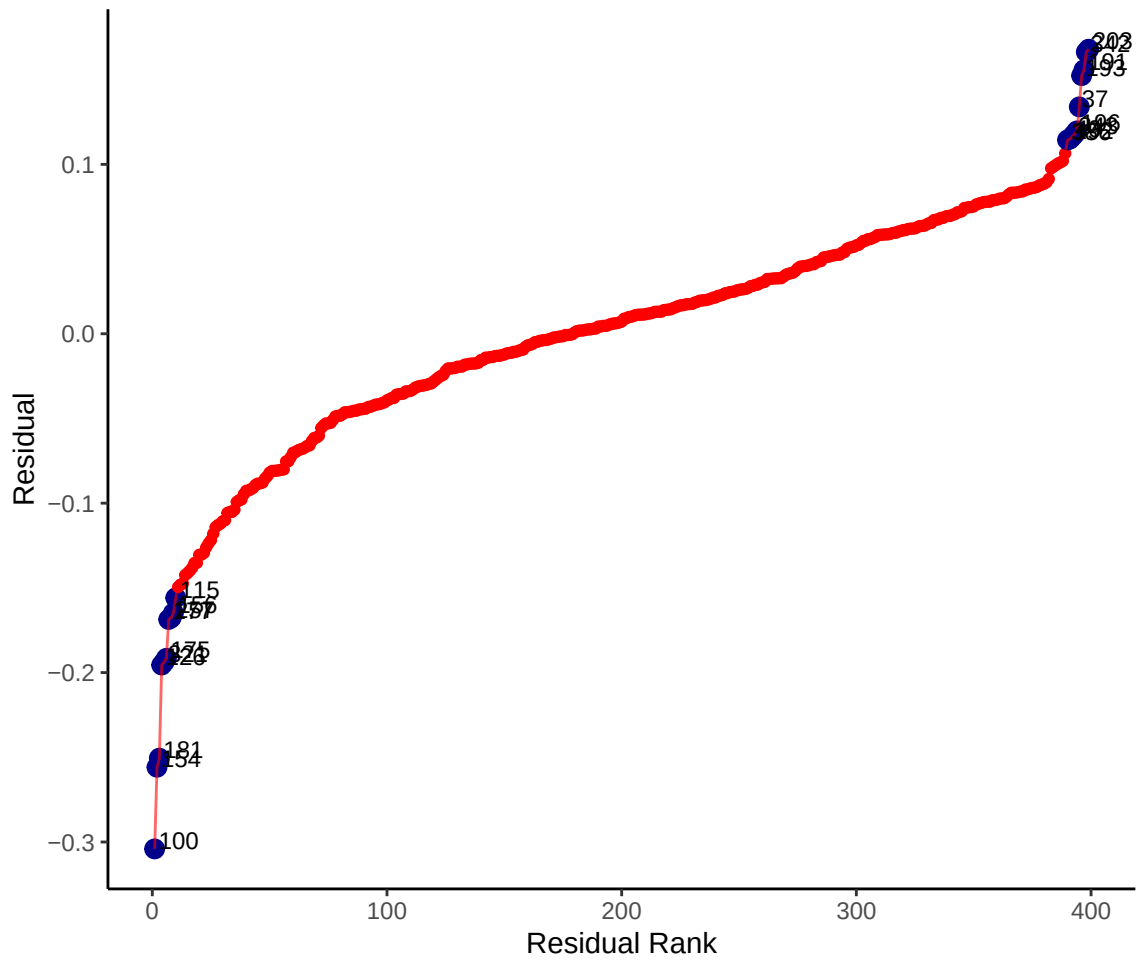


DAMGO vs PZM21 (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.404 | Red lines: synonymous mean ± SD | Blue: extreme residuals

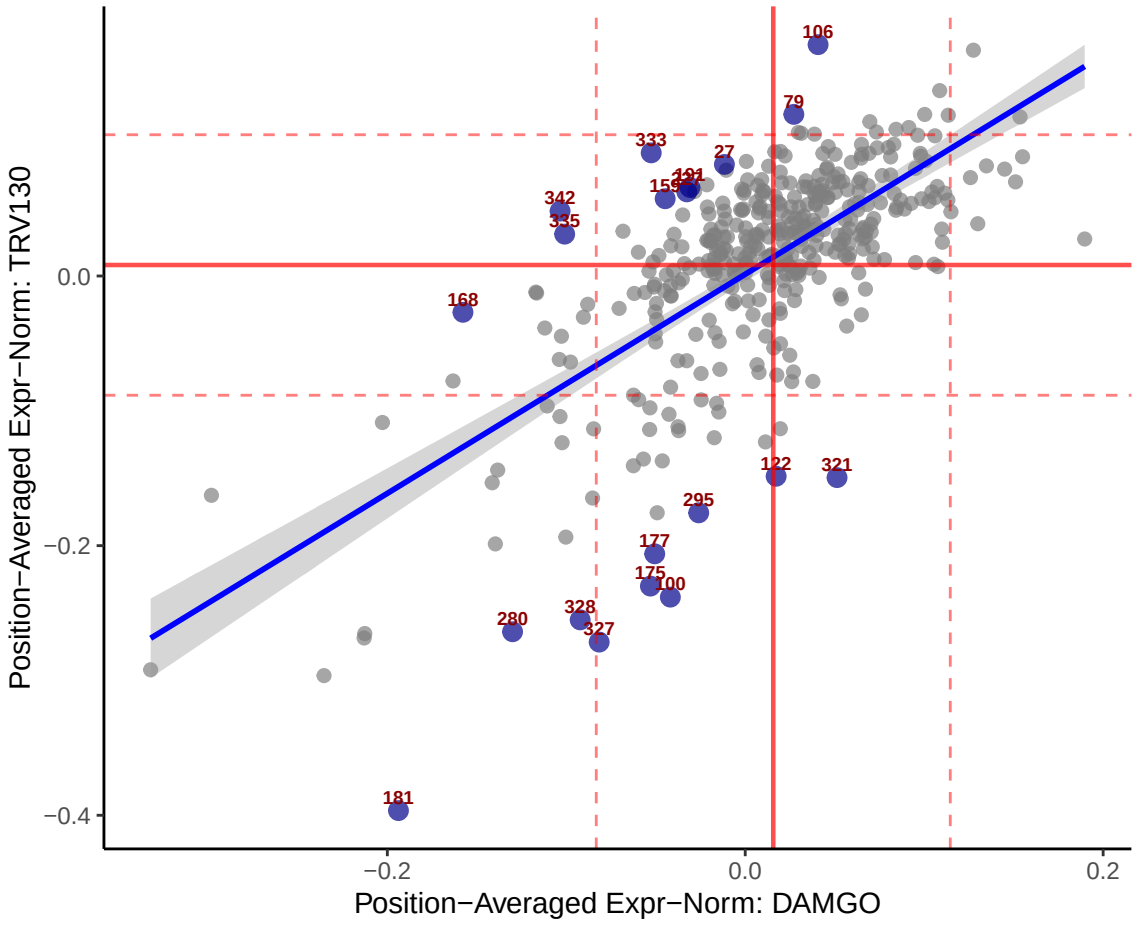


Linear Residuals (pos−avg expr−norm): PZM21 ~ DAMGO

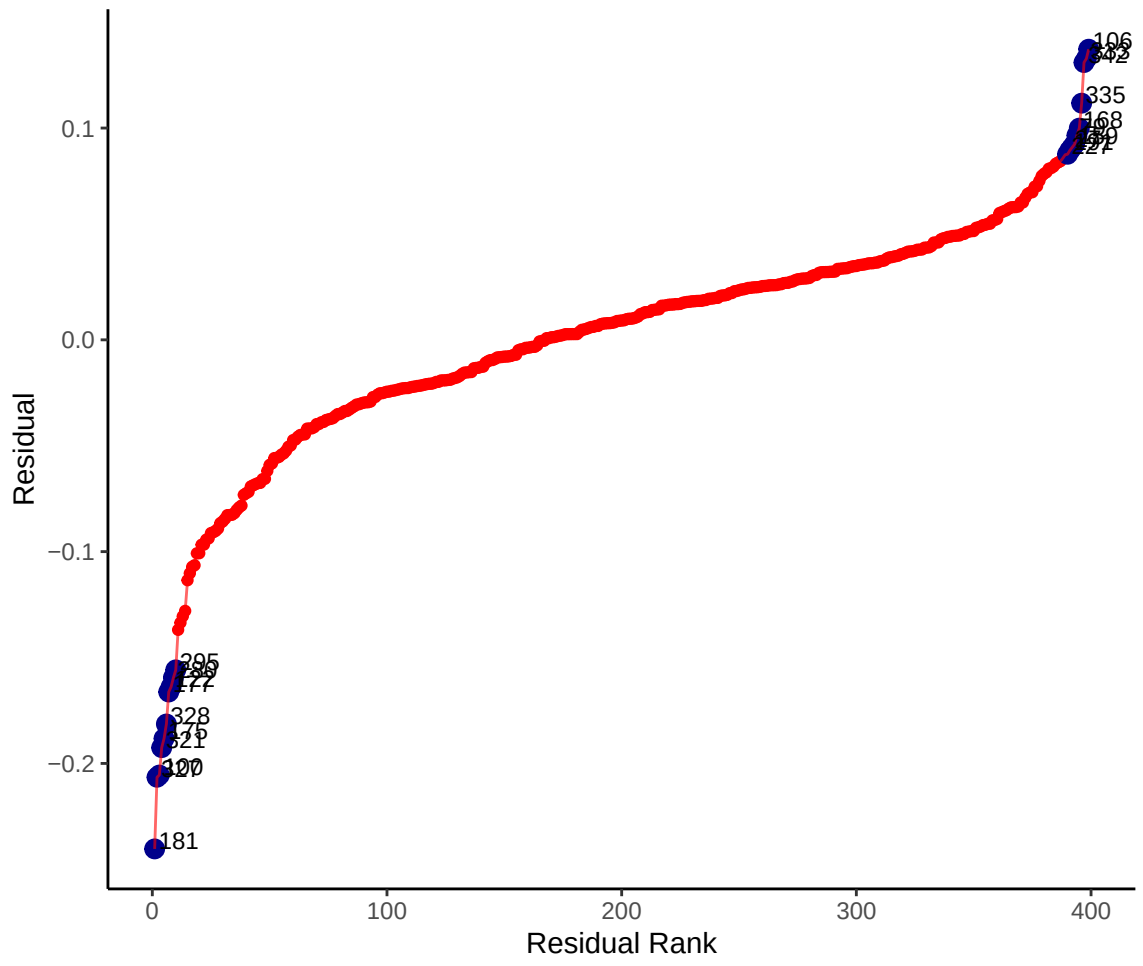


DAMGO vs TRV130 (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.474 | Red lines: synonymous mean ± SD | Blue: extreme residuals

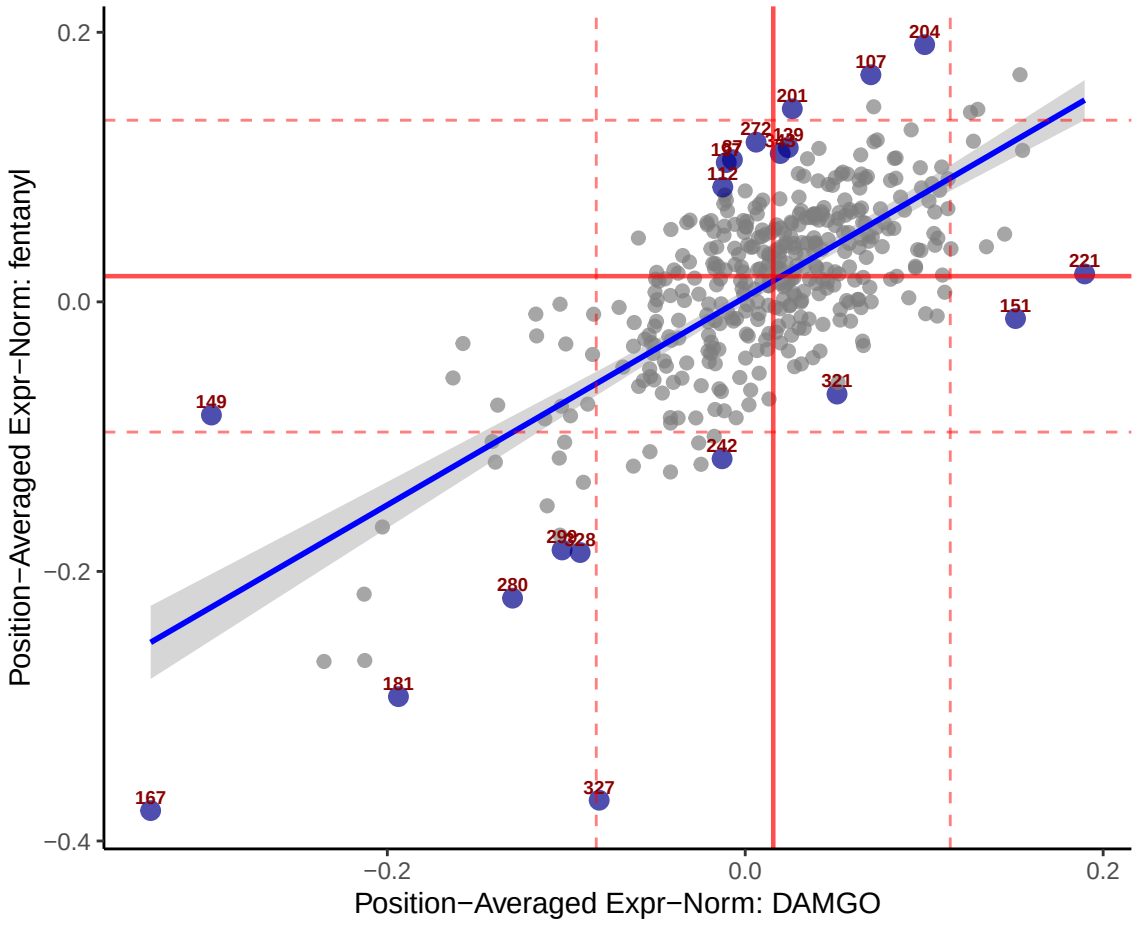


Linear Residuals (pos−avg expr−norm): TRV130 ~ DAMGO

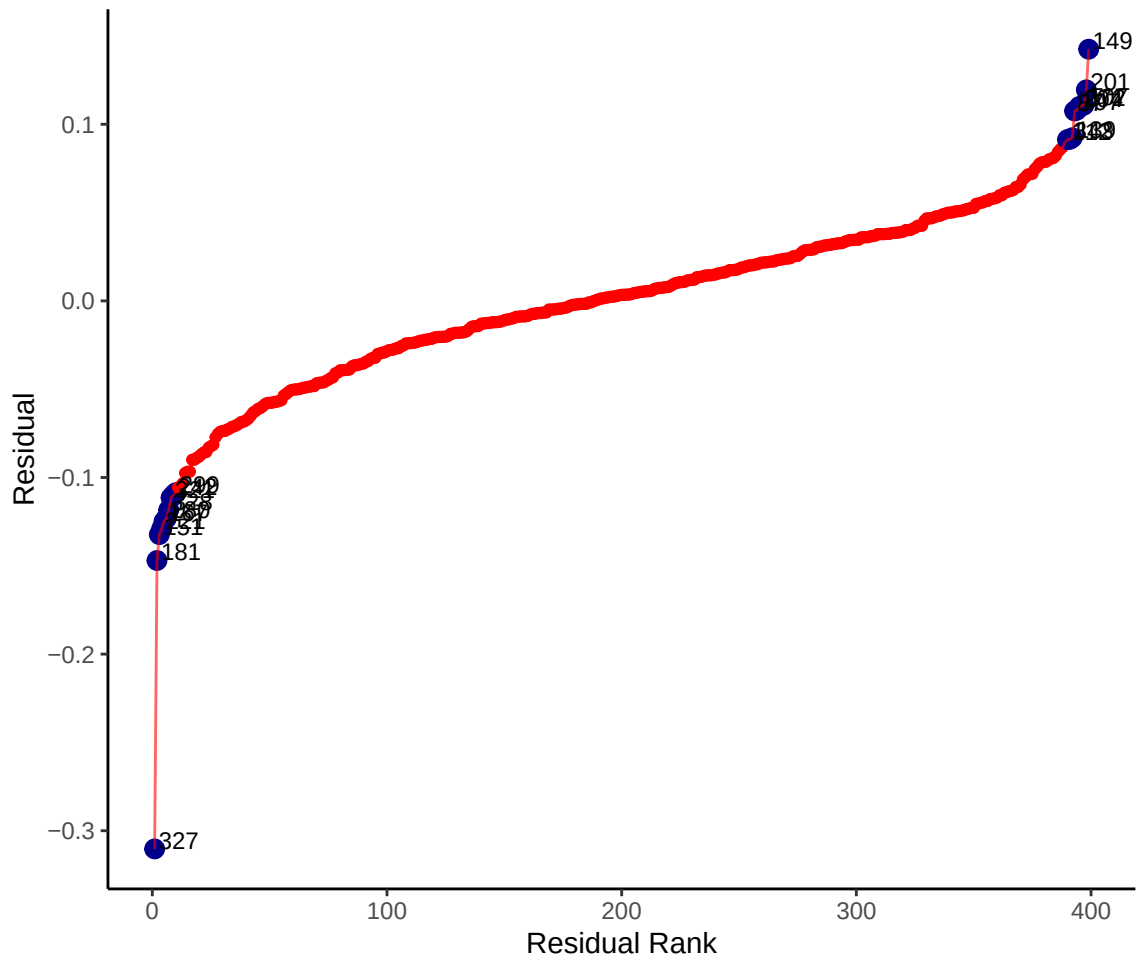


DAMGO vs fentanyl (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.489 | Red lines: synonymous mean ± SD | Blue: extreme residuals

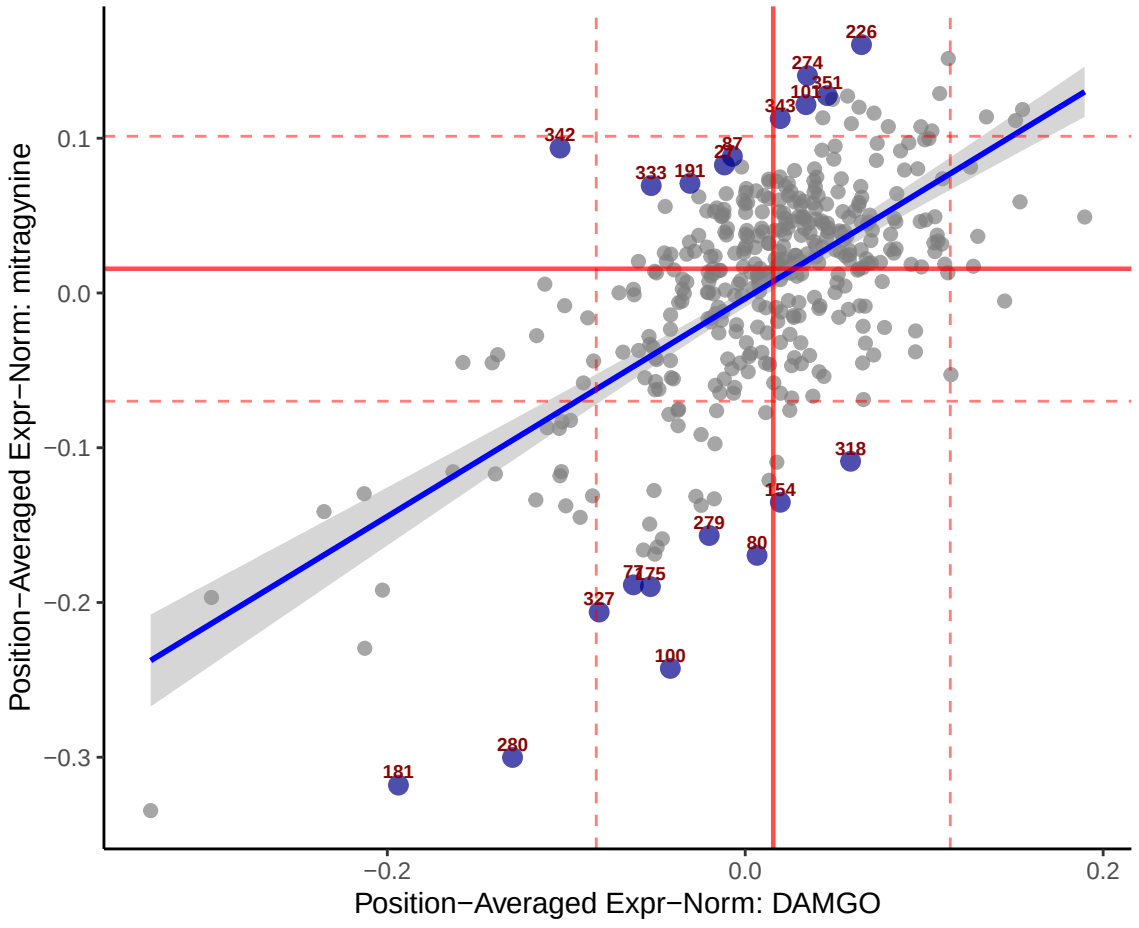


Linear Residuals (pos−avg expr−norm): fentanyl ~ DAMGO

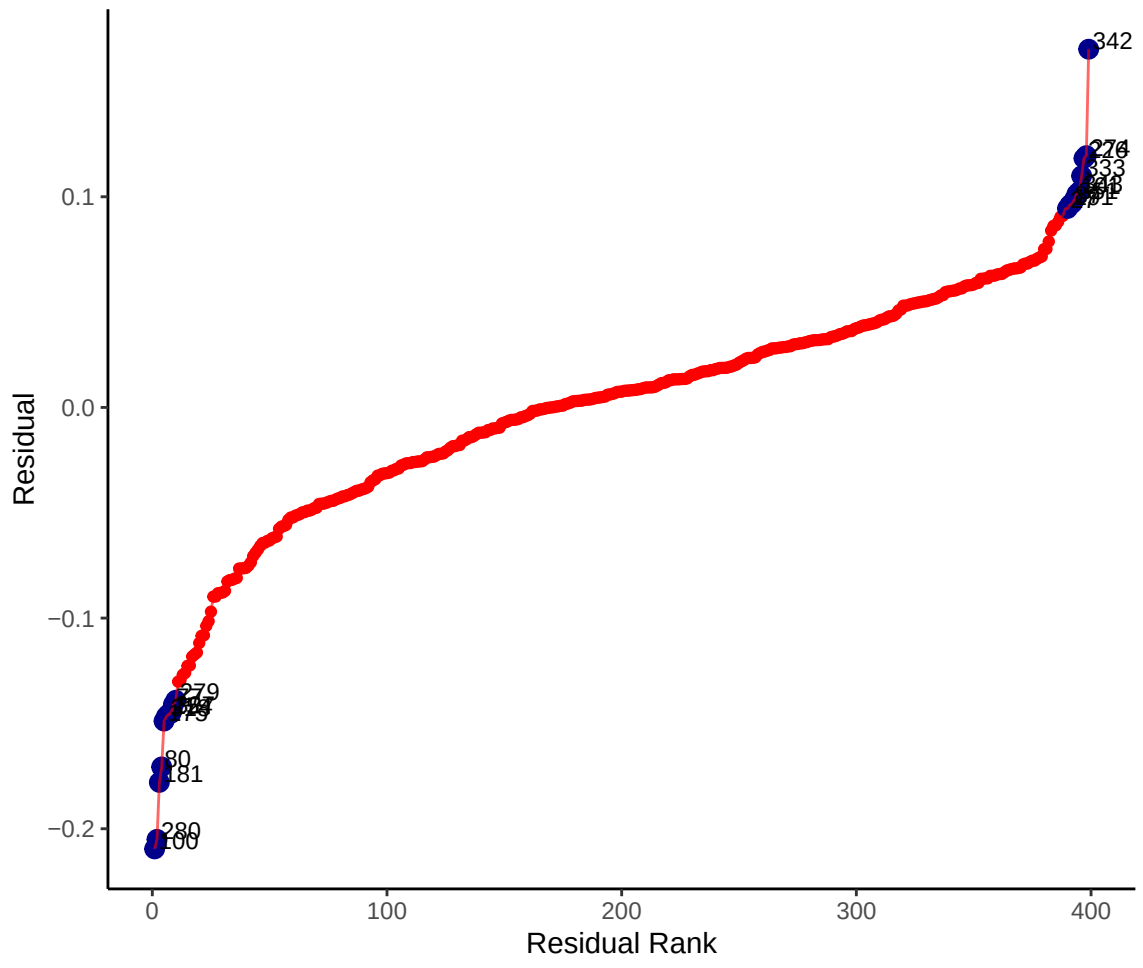


DAMGO vs mitragynine (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.399 | Red lines: synonymous mean ± SD | Blue: extreme residuals

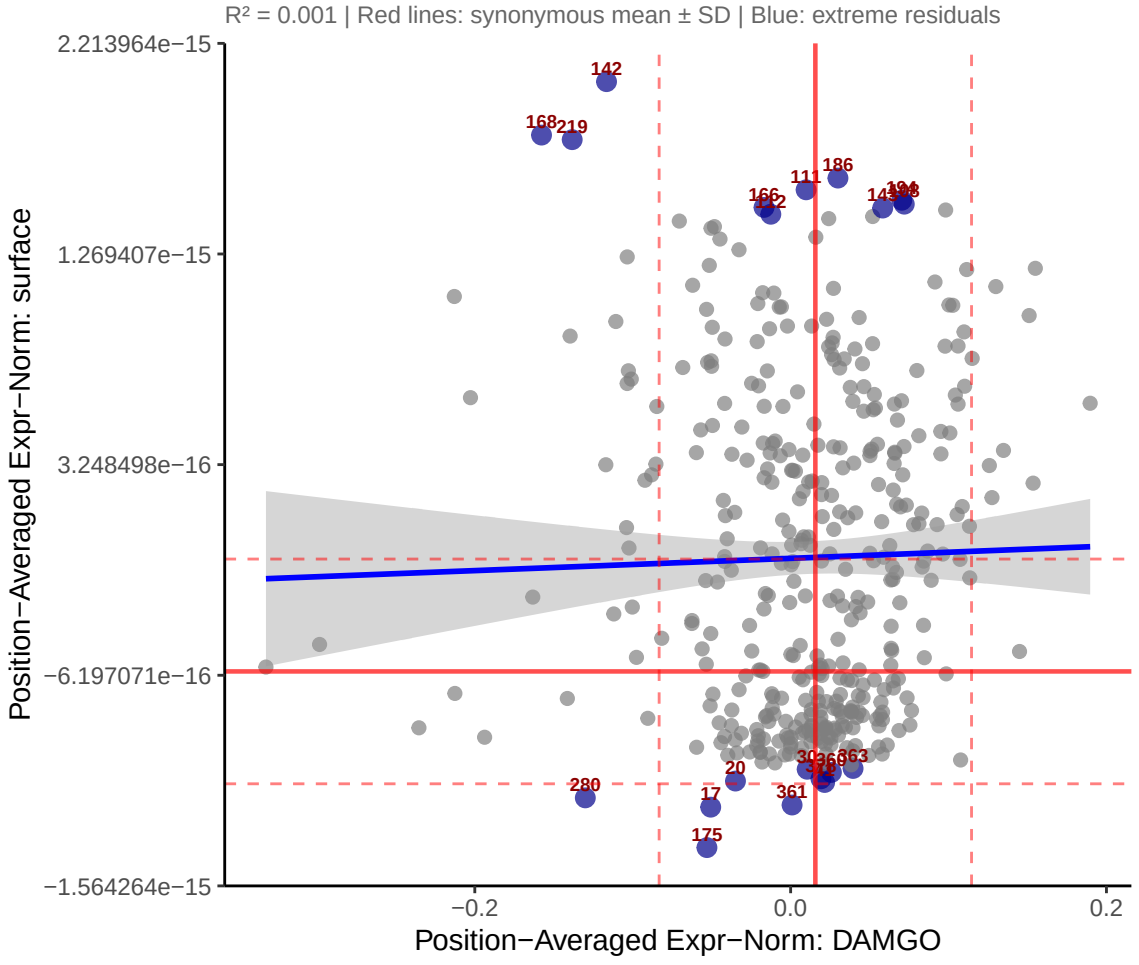


Linear Residuals (pos−avg expr−norm): mitragynine ~ DAMGO

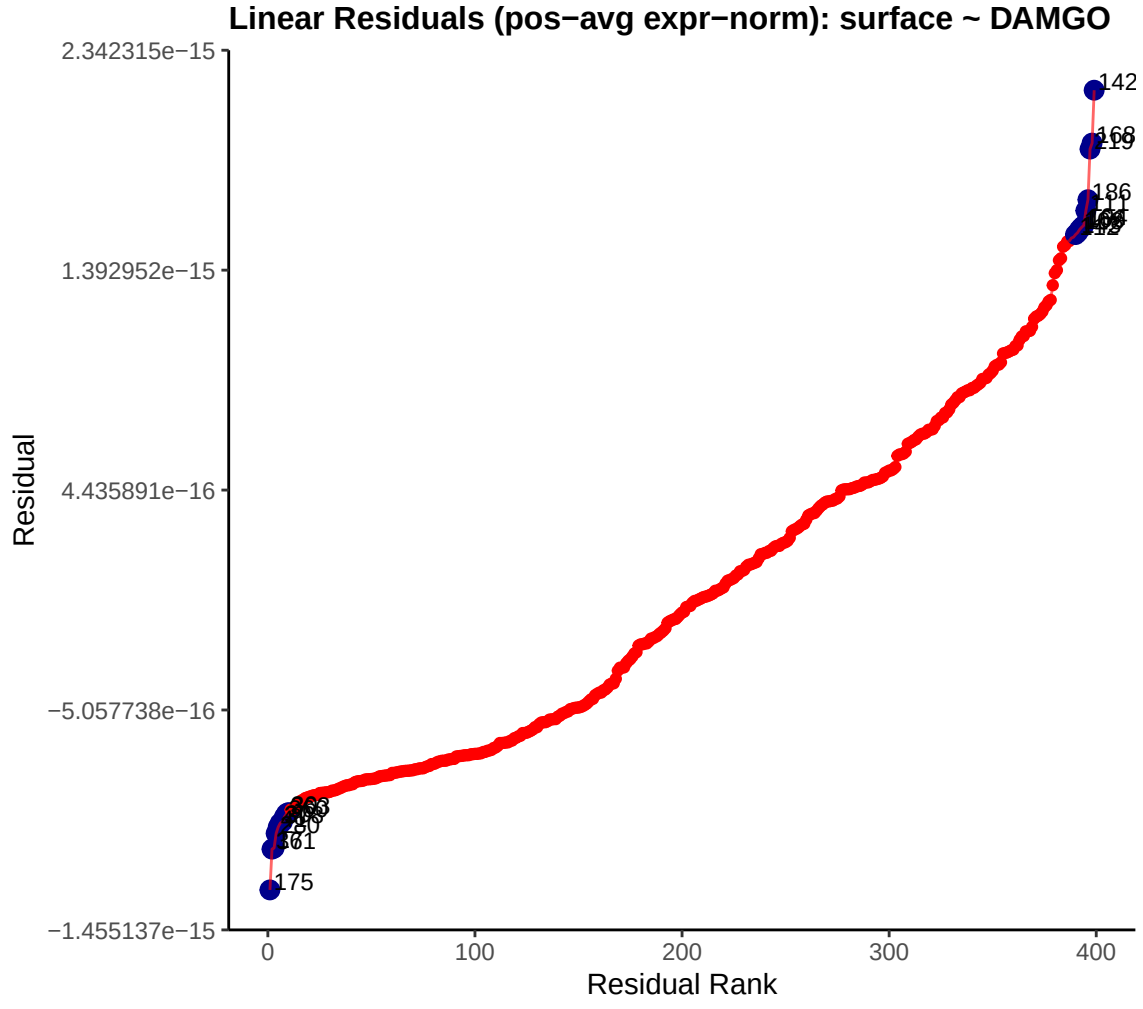


DAMGO vs surface (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.001 | Red lines: synonymous mean ± SD | Blue: extreme residuals

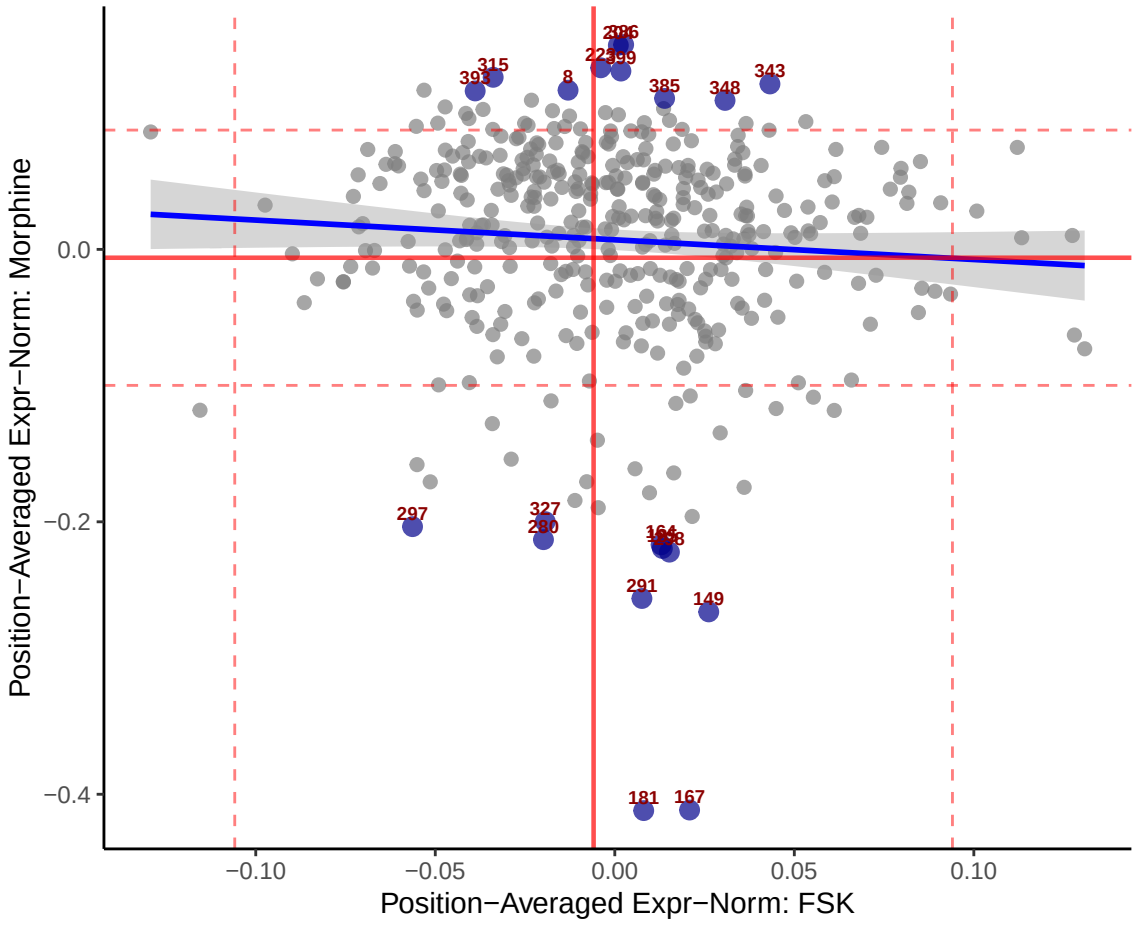


Linear Residuals (pos−avg expr−norm): surface ~ DAMGO

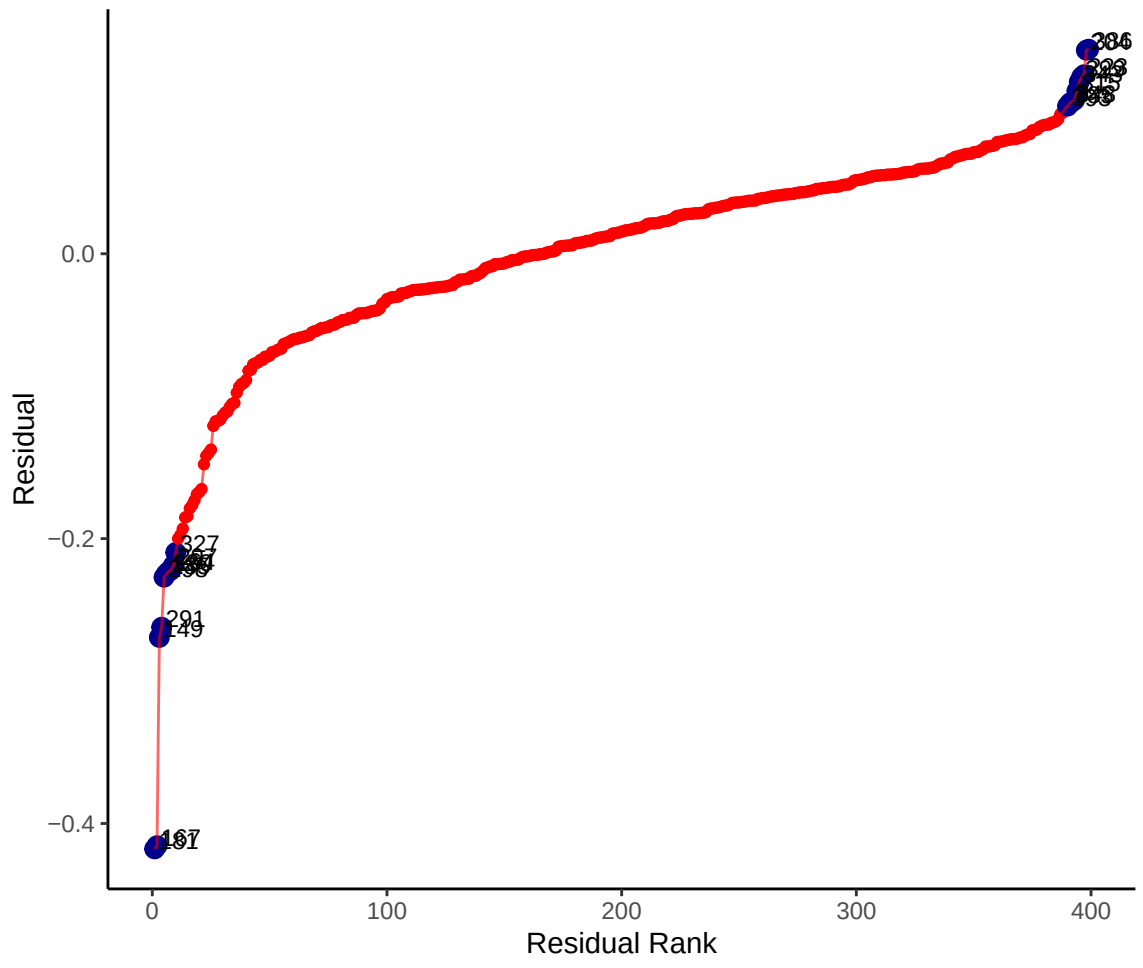


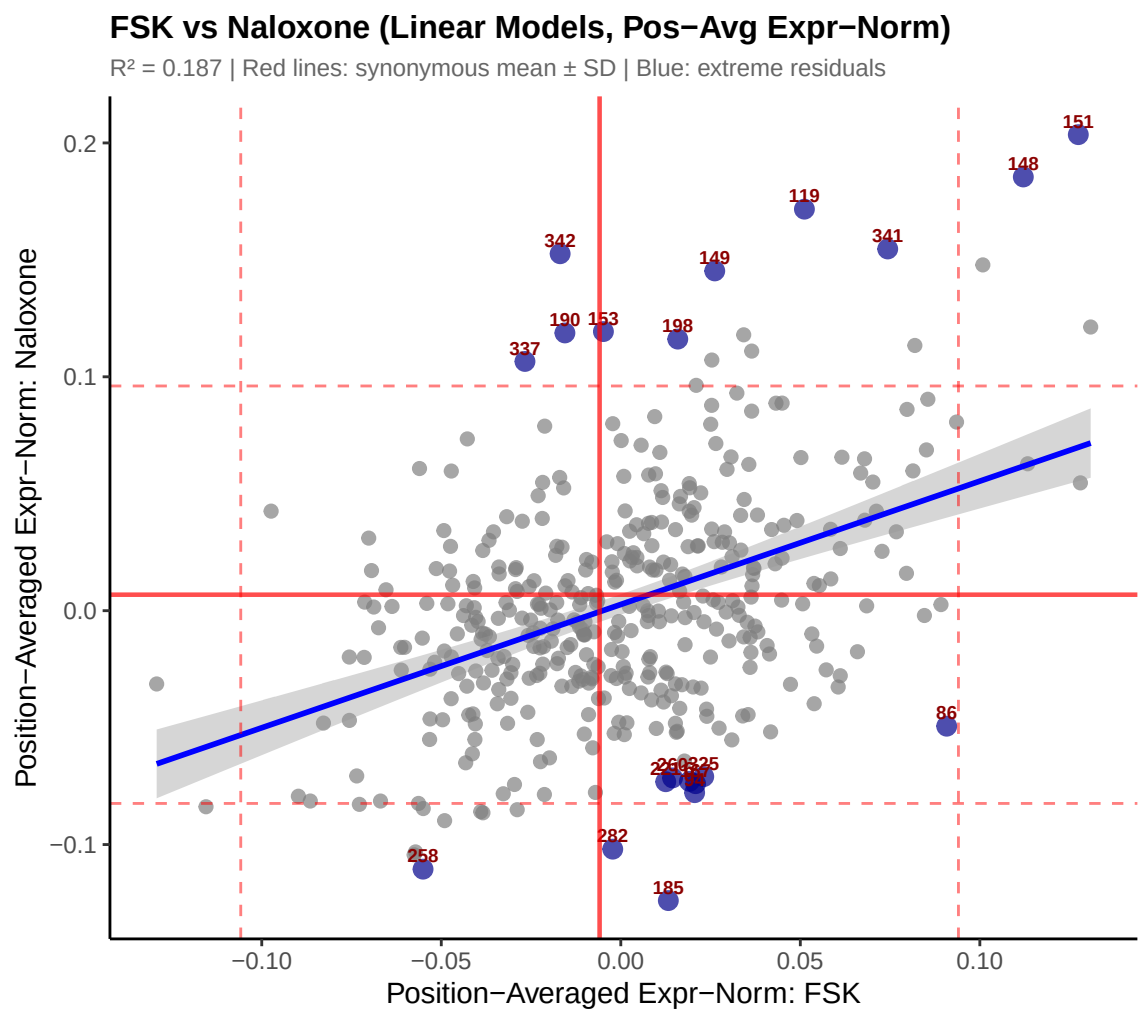
FSK vs Morphine (Linear Models, Pos−Avg Expr−Norm)

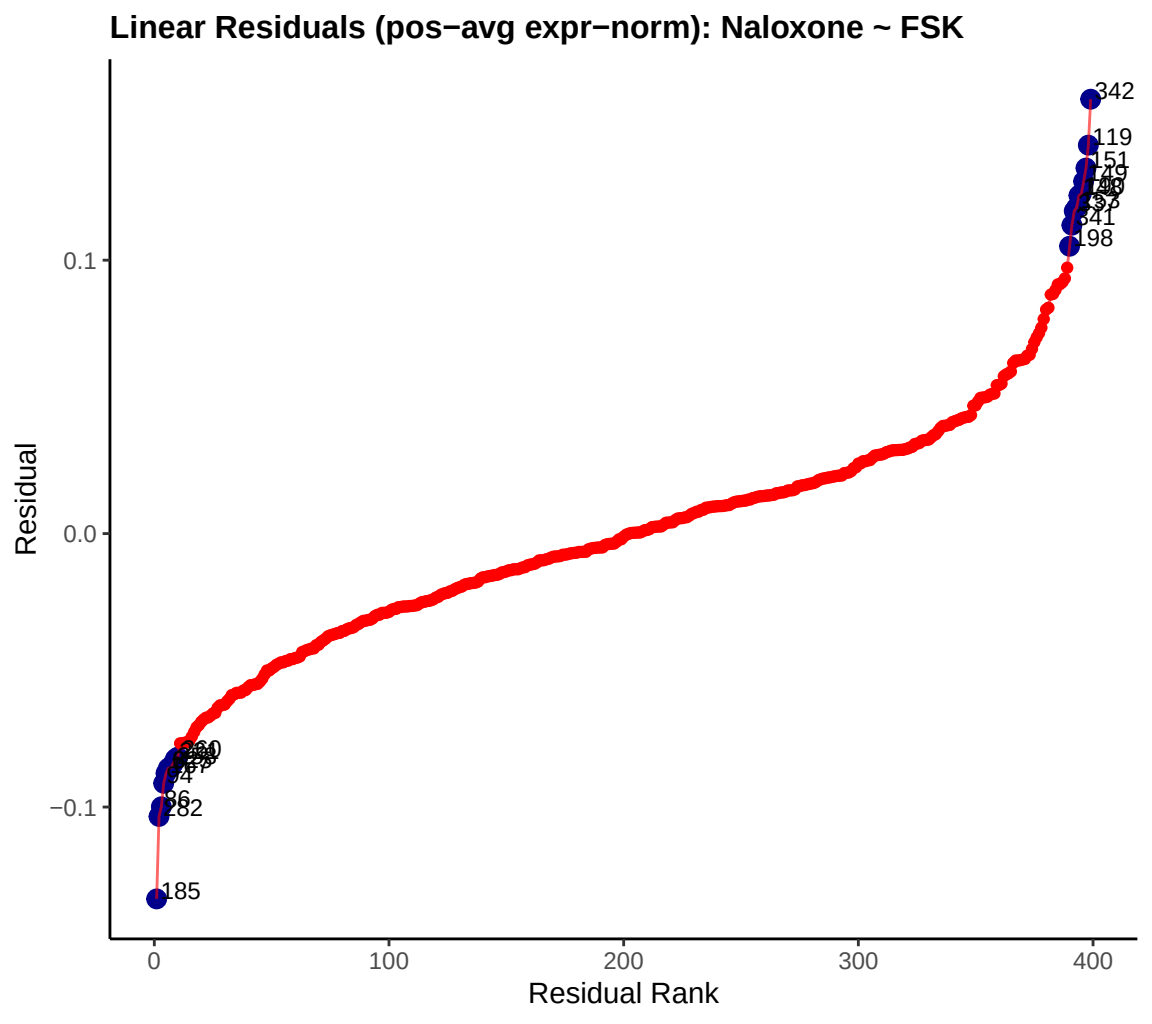
R^2 = 0.006 | Red lines: synonymous mean ± SD | Blue: extreme residuals

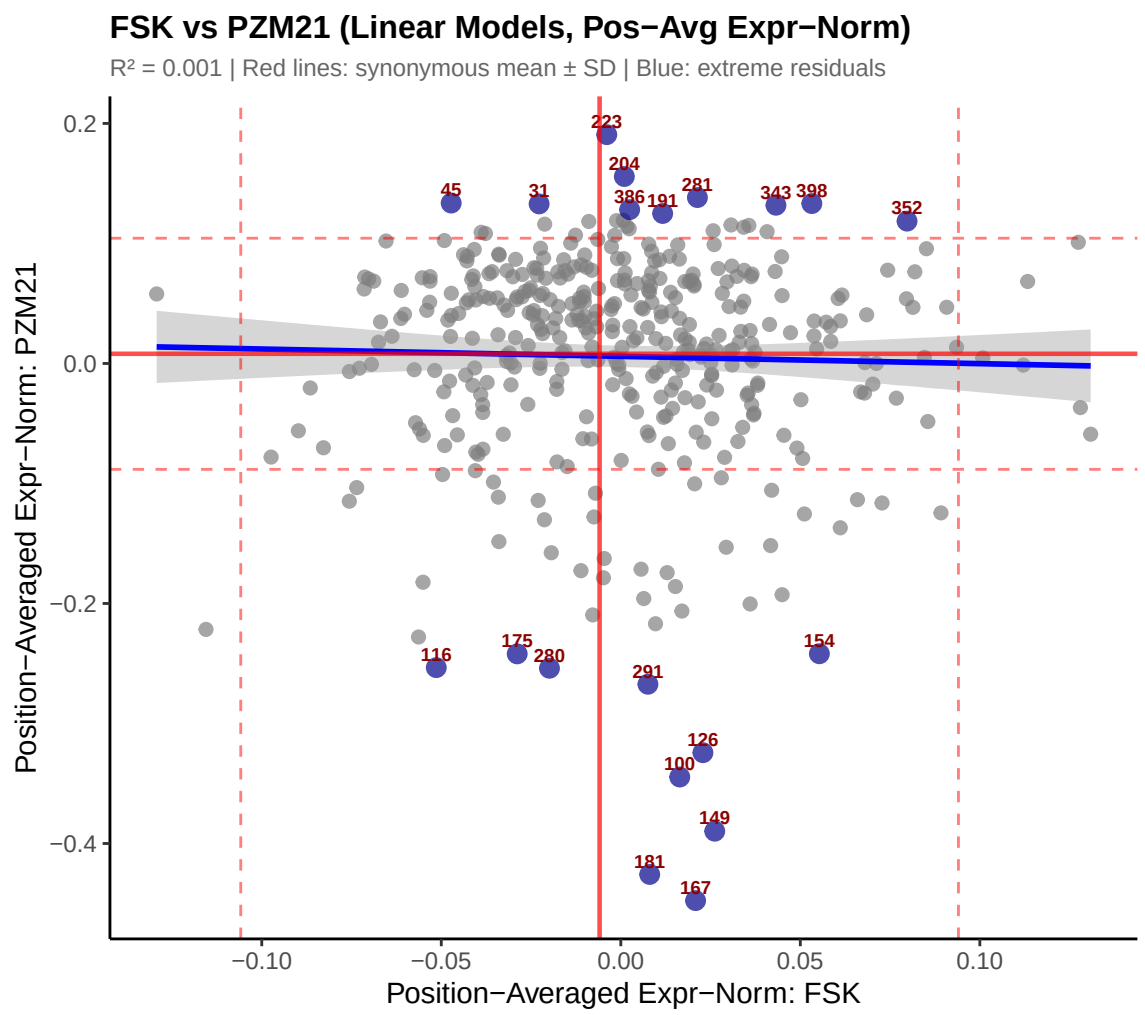


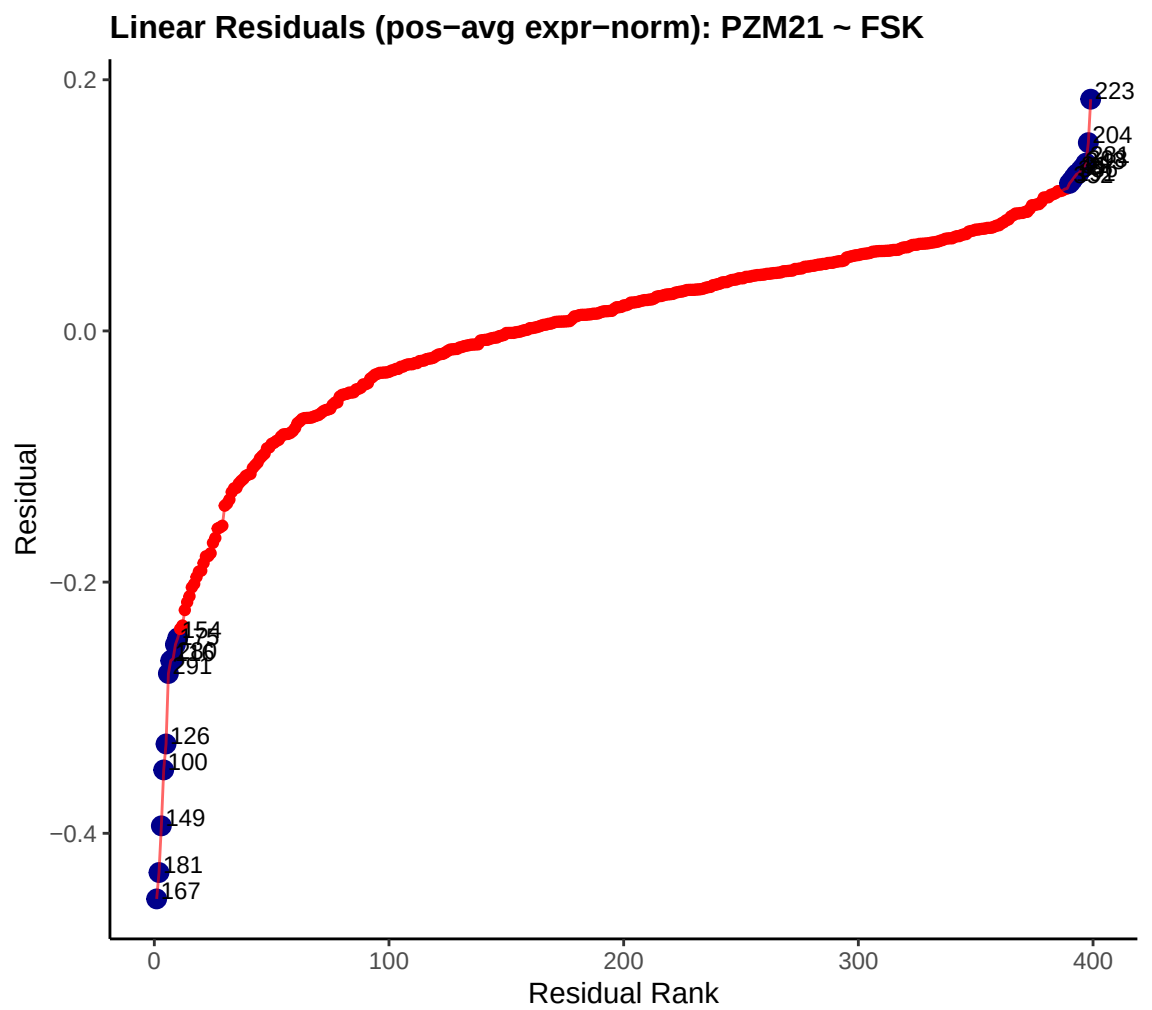
Linear Residuals (pos−avg expr−norm): Morphine ~ FSK

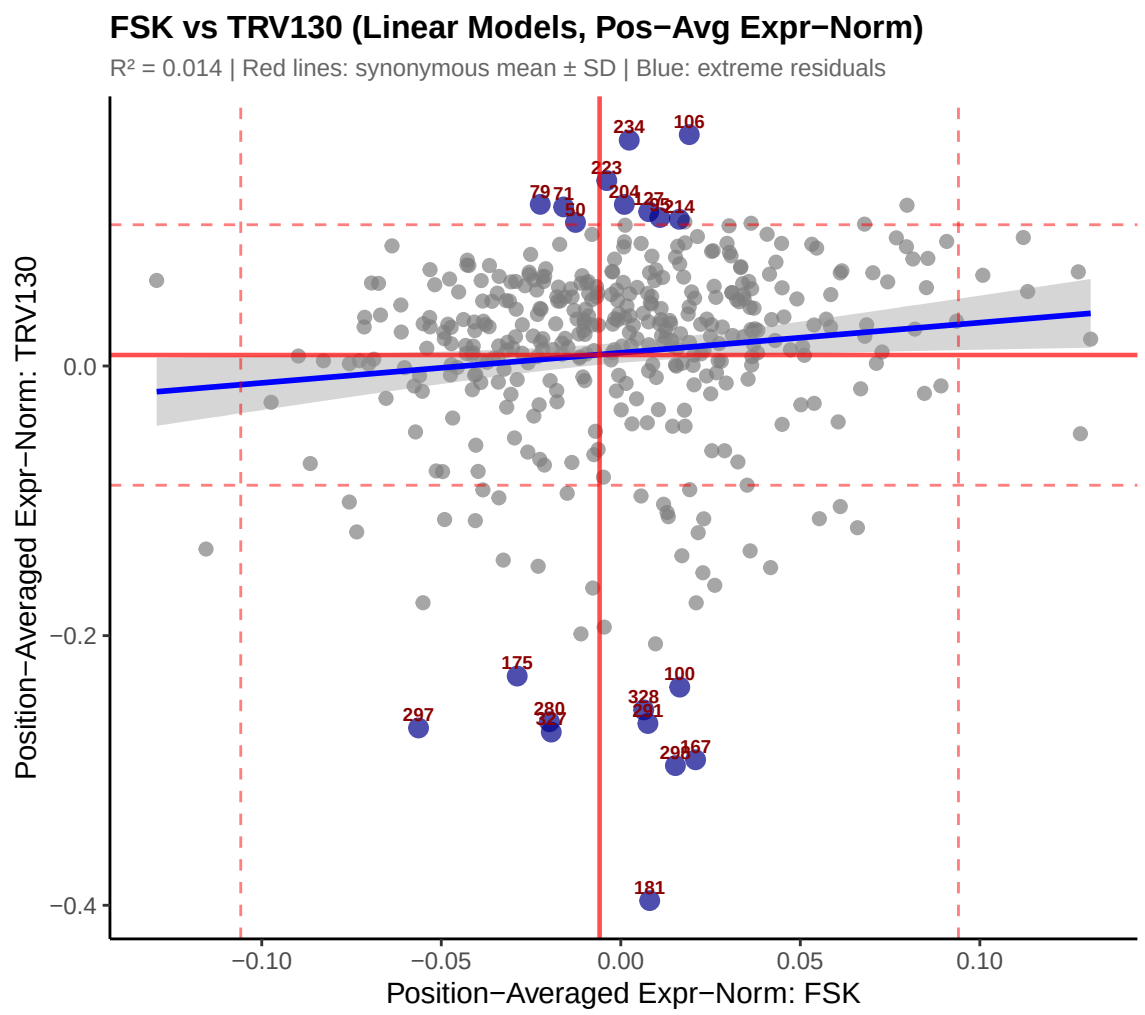


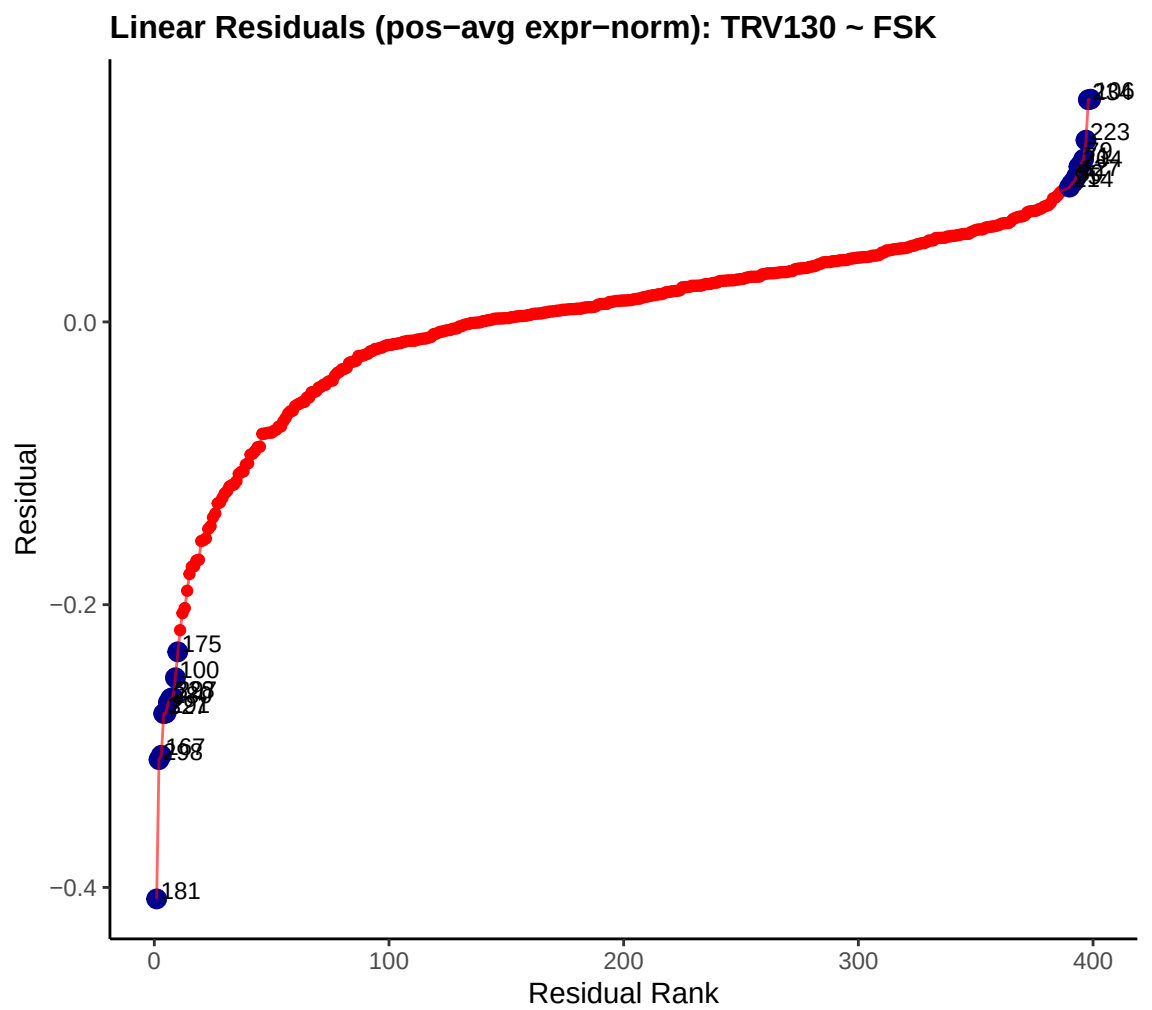

FSK vs Naloxone (Linear Models, Pos−Avg Expr−Norm)
R² = 0.187 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: Naloxone
Position−Averaged Expr−Norm: FSK
0.2
0.1
0.0
−0.1
−0.10
−0.05
0.00
0.05
0.10
151
148
119
342
341
149
190
153
198
337
86
282
258
185

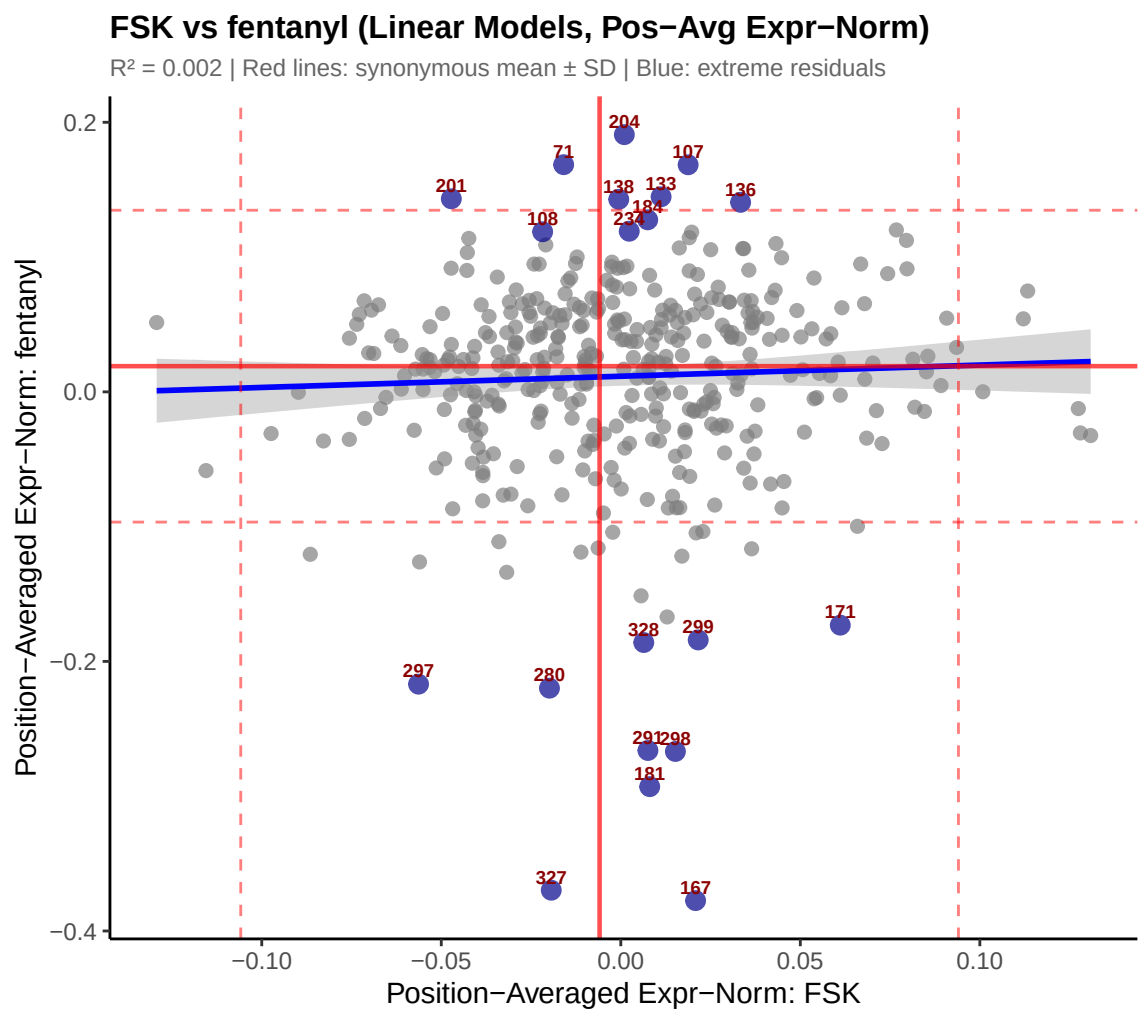

Linear Residuals (pos−avg expr−norm): Naloxone ~ FSK
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400
342
119
151
198
185

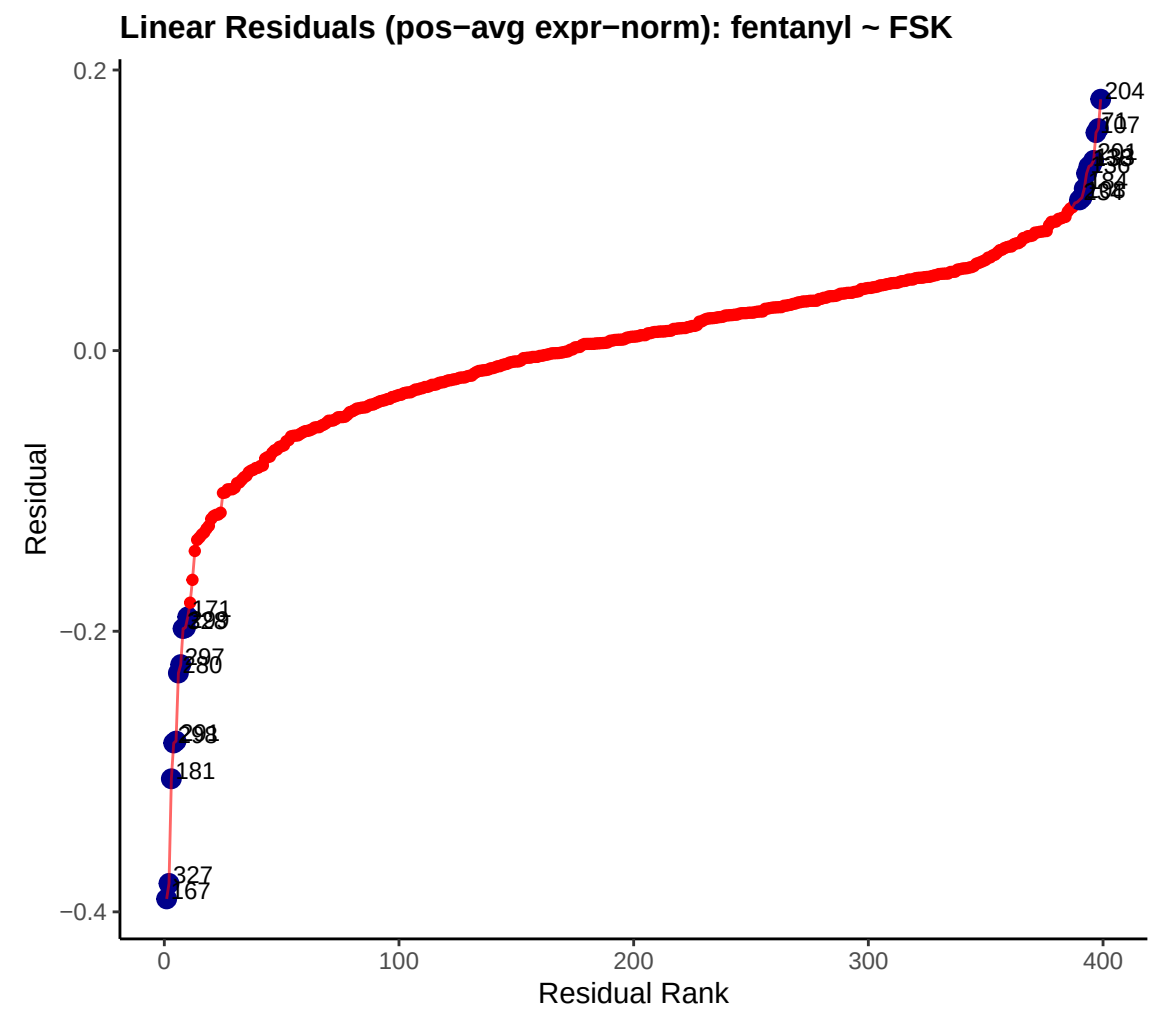

FSK vs PZM21 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.001 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: PZM21
Position−Averaged Expr−Norm: FSK
0.2
0.0
−0.2
−0.4
−0.10
−0.05
0.00
0.05
0.10
223
204
45
31
386
191
281
343
398
352
116
175
280
291
154
126
100
149
181
167

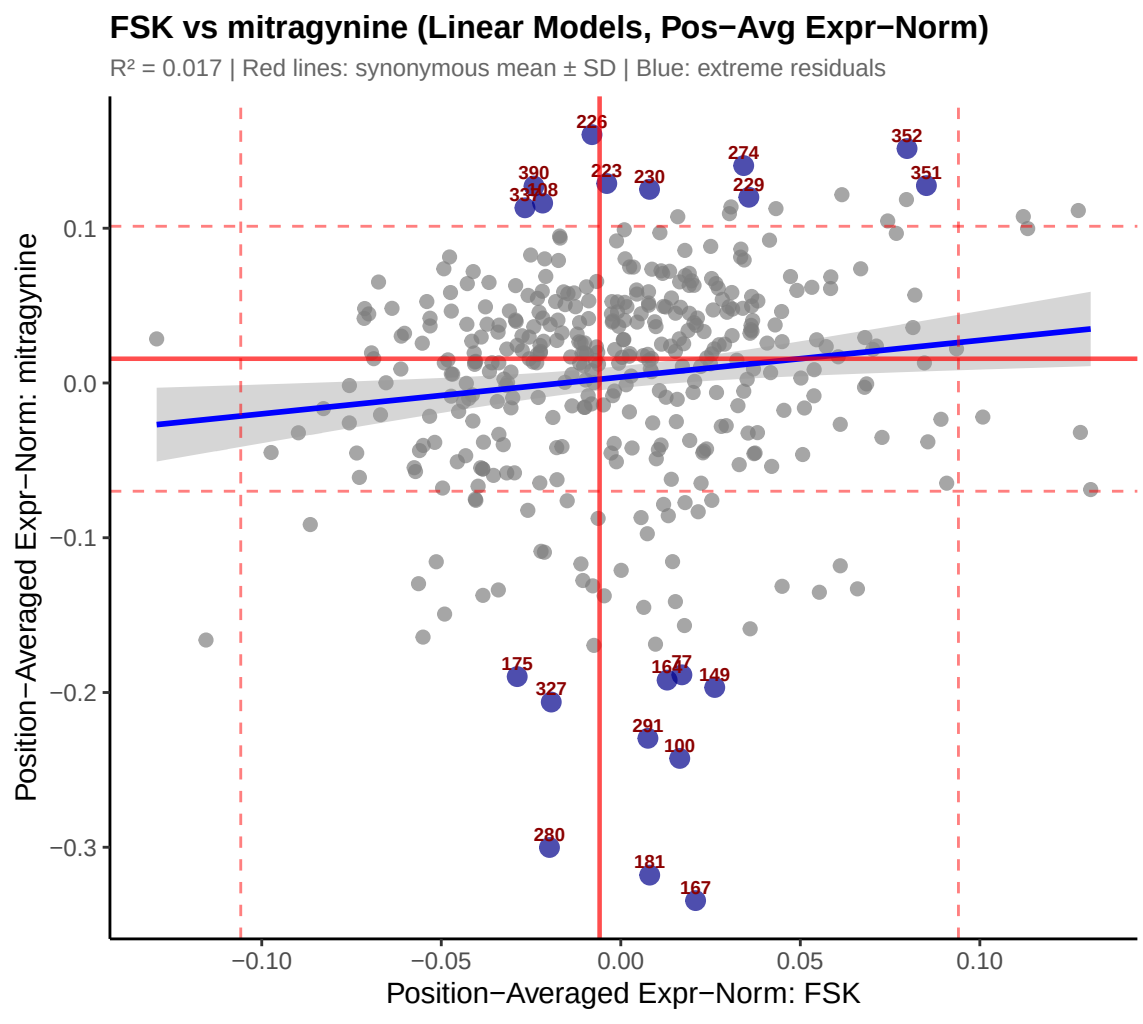

Linear Residuals (pos−avg expr−norm): PZM21 ~ FSK
Residual
Residual Rank
0.2
0.0
−0.2
−0.4
0
100
200
300
400
223
204
154
126
100
149
181
167

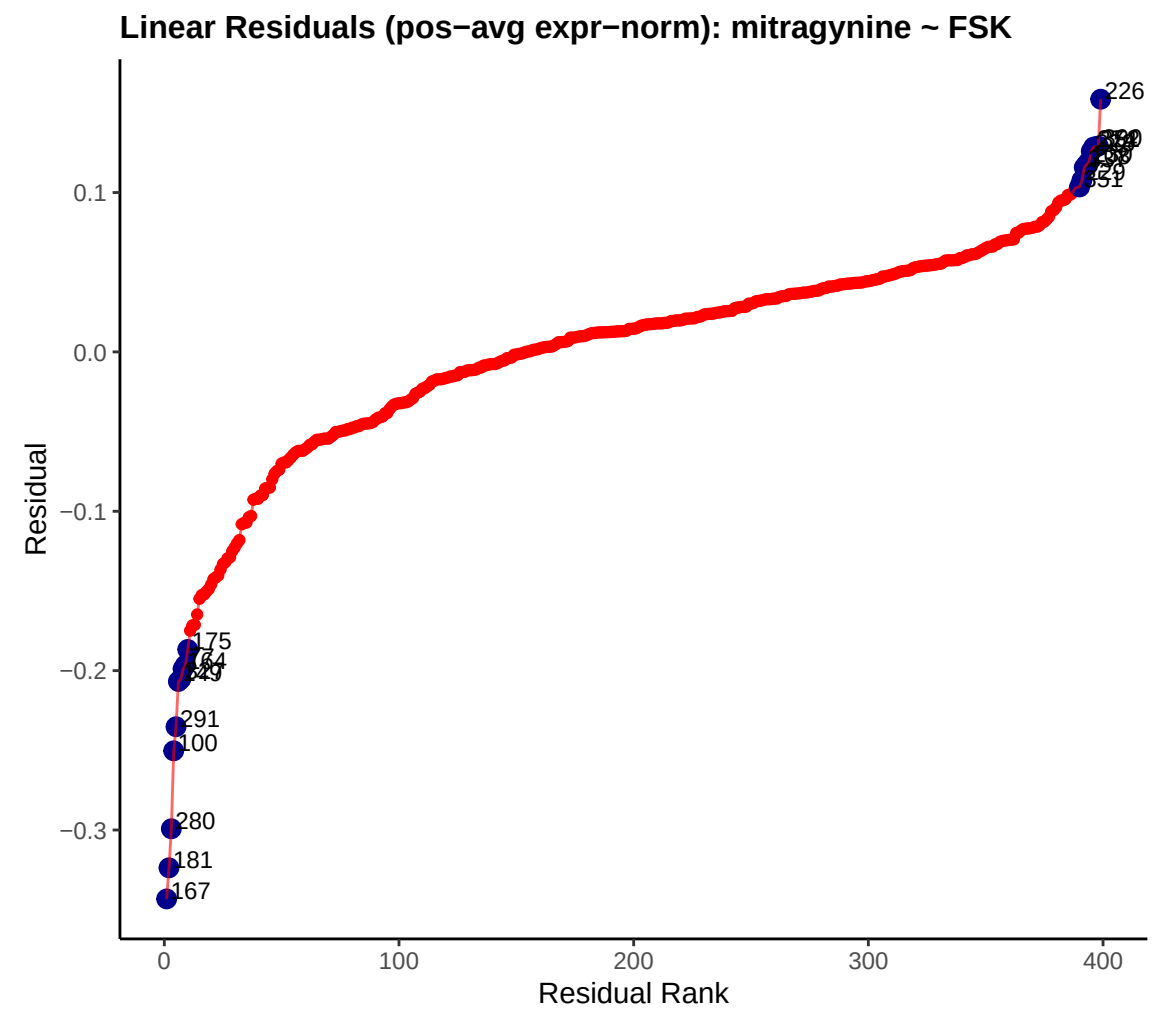

FSK vs TRV130 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.014 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: TRV130
Position−Averaged Expr−Norm: FSK
0.0
−0.2
−0.4
−0.10
−0.05
0.00
0.05
0.10
234
106
223
204
79
71
50
214
175
100
297
280
291
167
181


Linear Residuals (pos−avg expr−norm): TRV130 ~ FSK
Residual
Residual Rank
0.0
−0.2
−0.4
0
100
200
300
400
223
175
100
167
181


FSK vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.002 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: FSK
0.2
0.0
−0.2
−0.4
−0.10
−0.05
0.00
0.05
0.10
204
71
107
201
138
133
136
108
184
237
171
328
299
297
280
291
298
181
327
167


Linear Residuals (pos−avg expr−norm): fentanyl ~ FSK
Residual
Residual Rank
0.2
0.0
−0.2
−0.4
0
100
200
300
400
204
171
297
280
291
181
327
167


FSK vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.017 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: FSK
0.1
0.0
−0.1
−0.2
−0.3
−0.10
−0.05
0.00
0.05
0.10
226
352
274
390
223
230
351
229
175
327
291
100
280
181
167

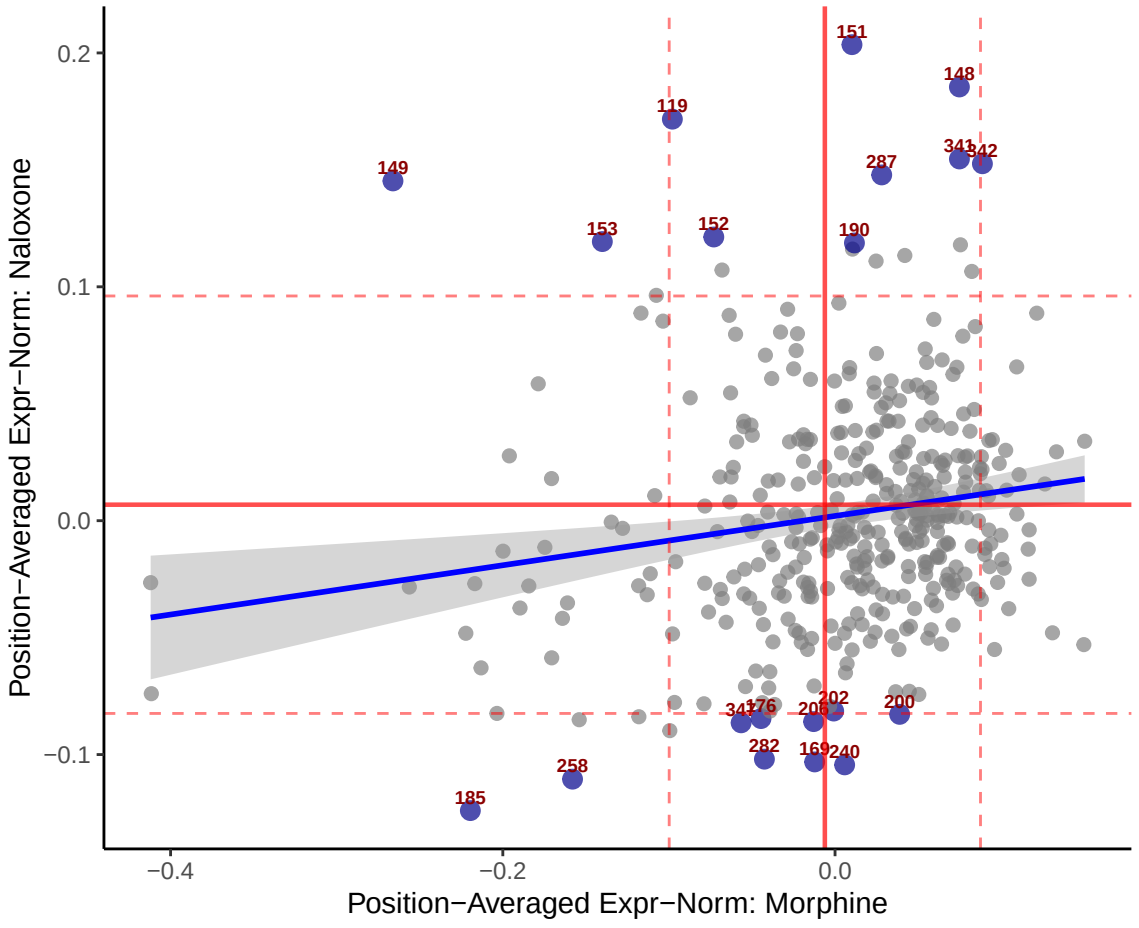

Linear Residuals (pos−avg expr−norm): mitragynine ~ FSK
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
226
175
291
100
280
181
167

FSK vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.012 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: FSK
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.10
−0.05
0.00
0.05
0.10
142
168
219
111
186
203
194
112
108
110
396
371
375
366
363
41
280
361
17
175

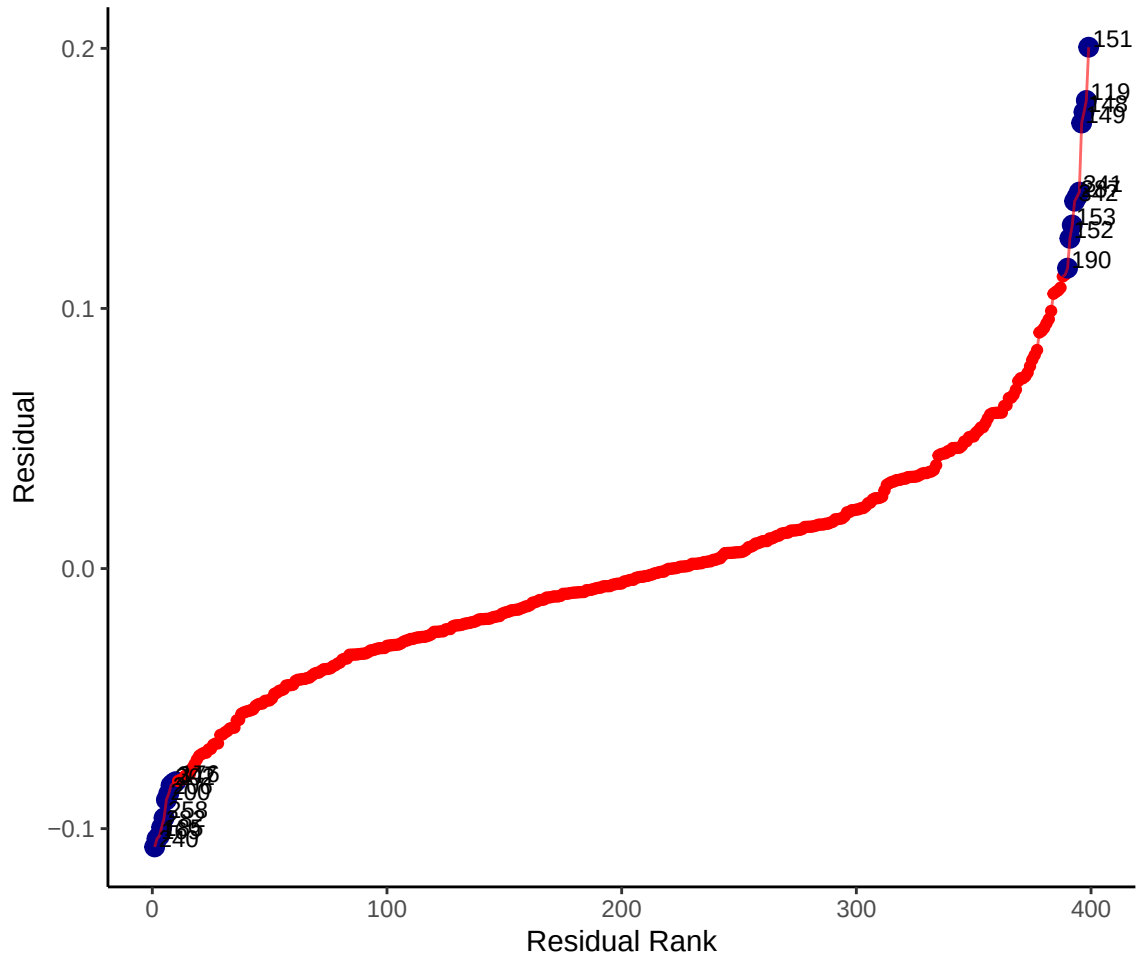
Linear Residuals (pos−avg expr−norm): surface ~ FSK
Residual
Residual Rank
2.259387e−15
1.342565e−15
4.257419e−16
−4.910809e−16
−1.407904e−15
0
100
200
300
400
142
219
110
361
175

Morphine vs Naloxone (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.027 | Red lines: synonymous mean ± SD | Blue: extreme residuals

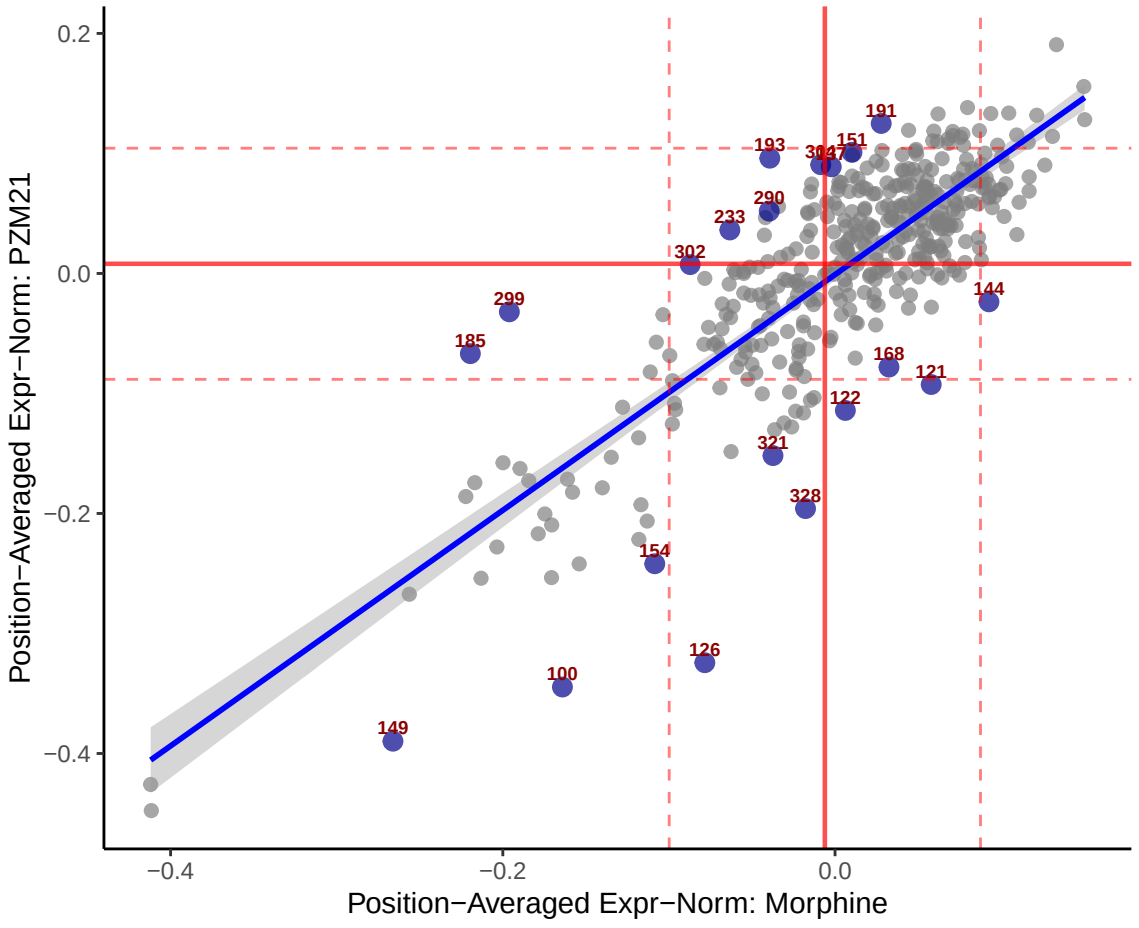


Linear Residuals (pos−avg expr−norm): Naloxone ~ Morphine

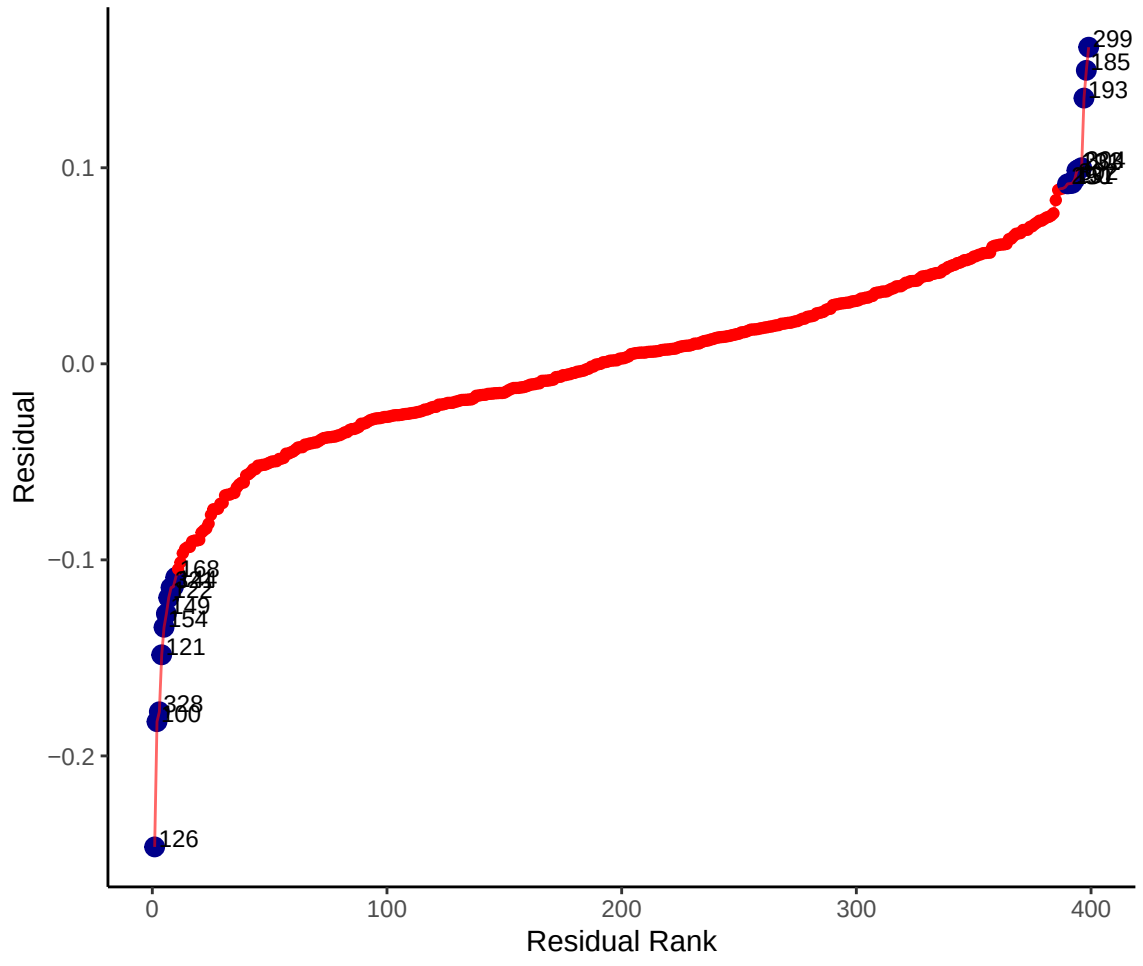


Morphine vs PZM21 (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.696 | Red lines: synonymous mean ± SD | Blue: extreme residuals

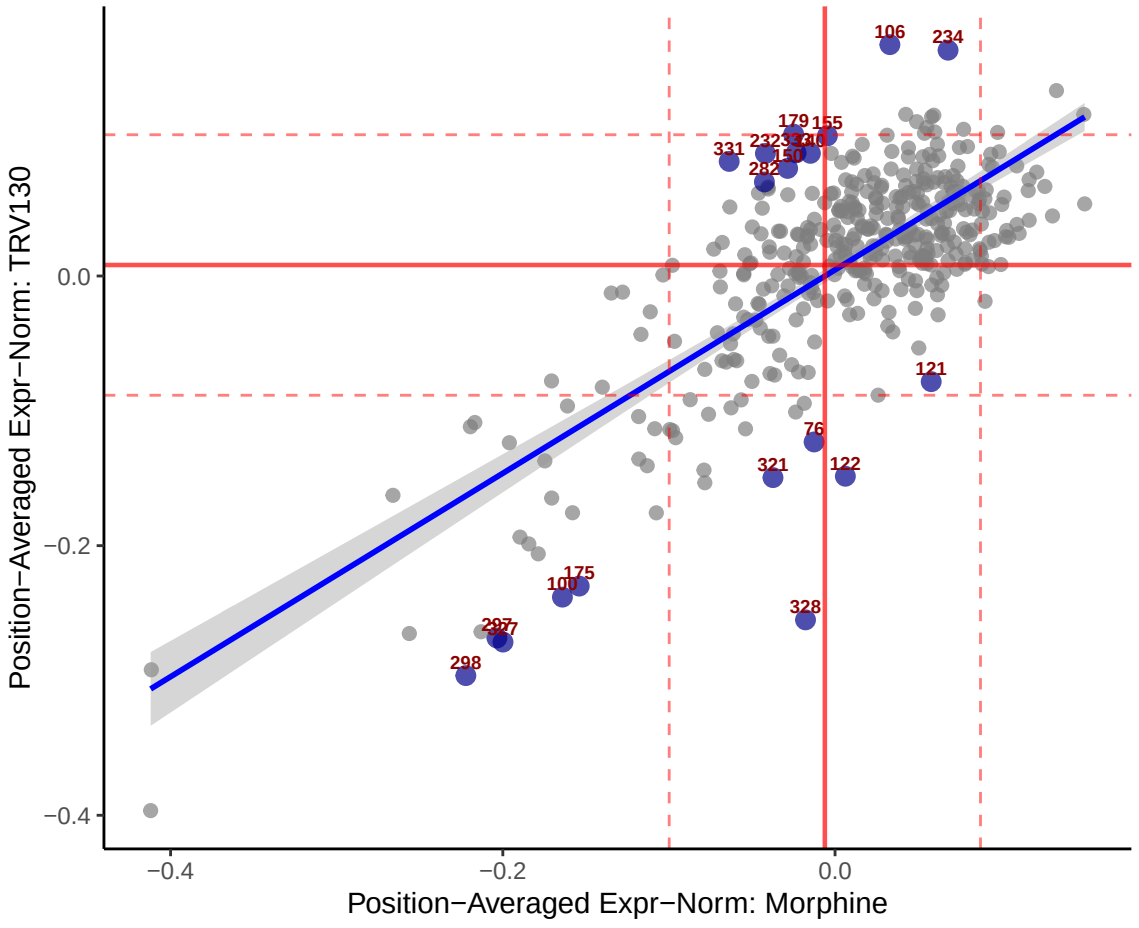


Linear Residuals (pos−avg expr−norm): PZM21 ~ Morphine

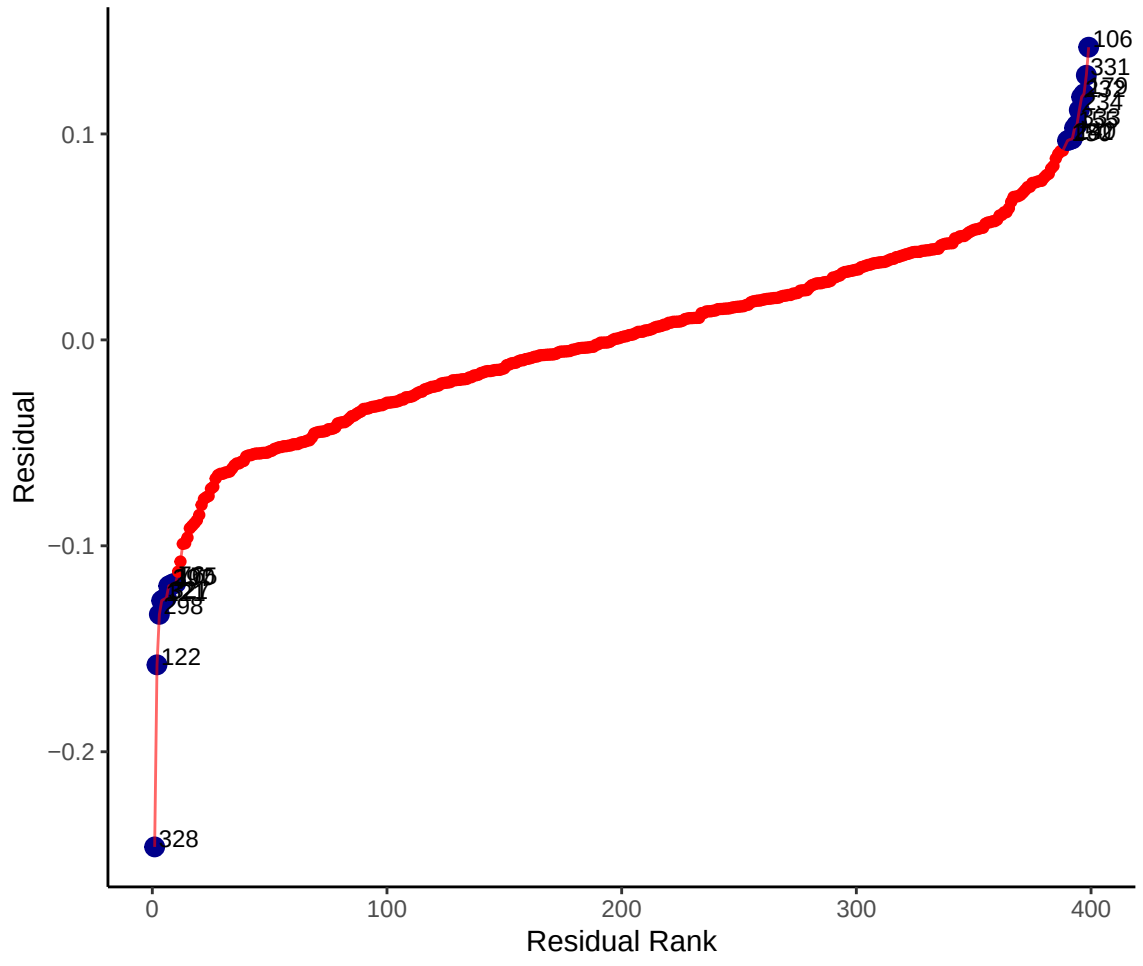


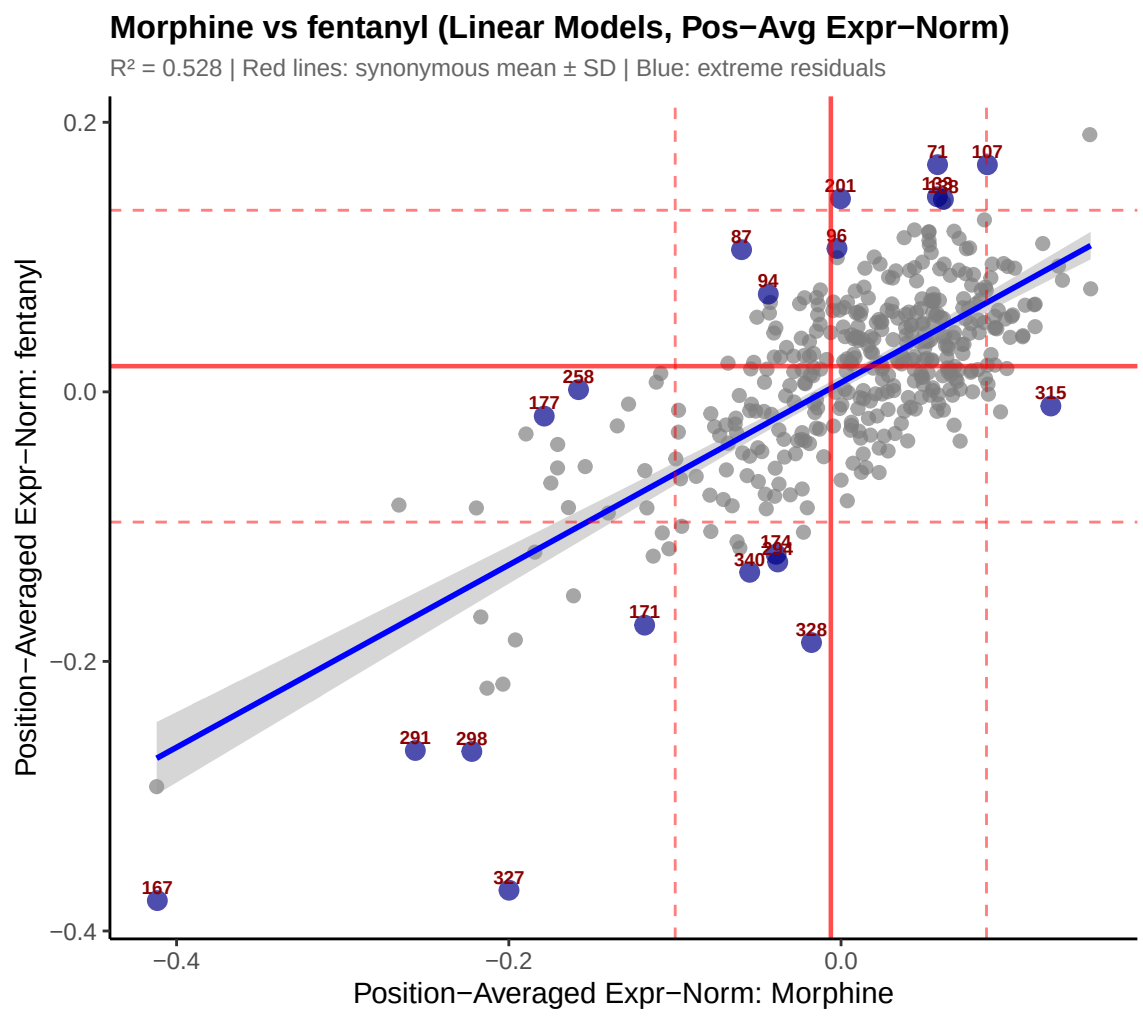
Morphine vs TRV130 (Linear Models, Pos−Avg Expr−Norm)

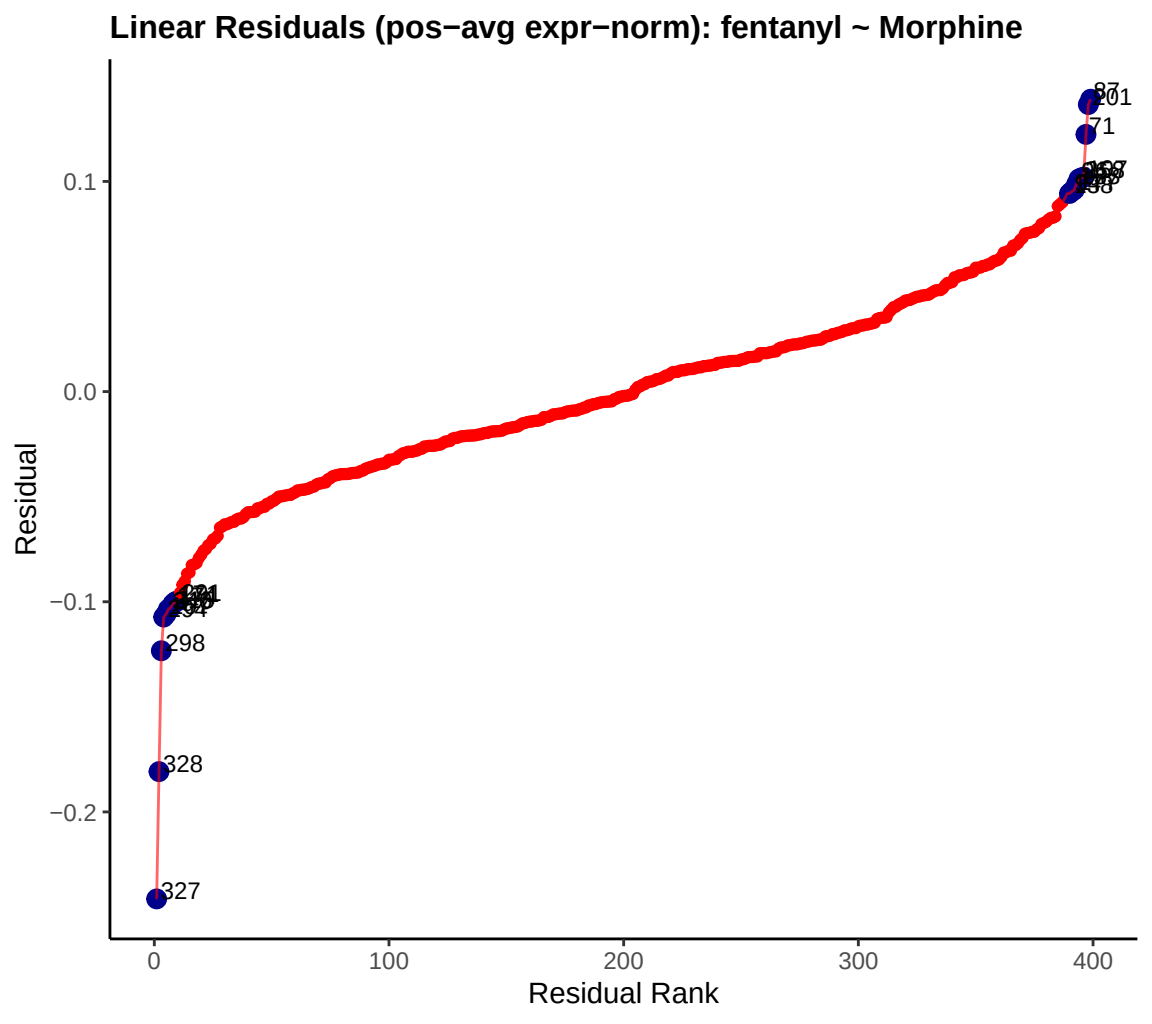
R^2 = 0.574 | Red lines: synonymous mean ± SD | Blue: extreme residuals

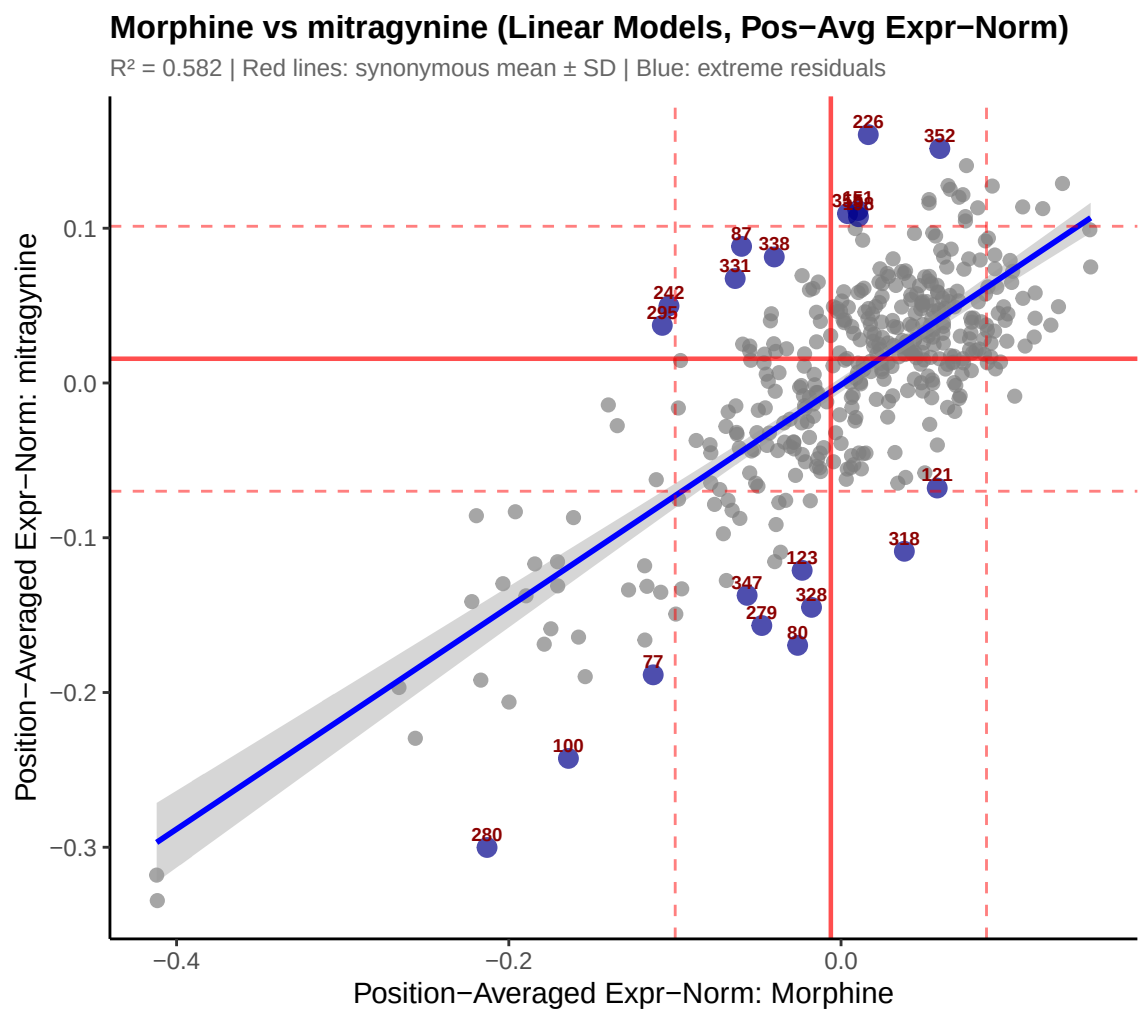


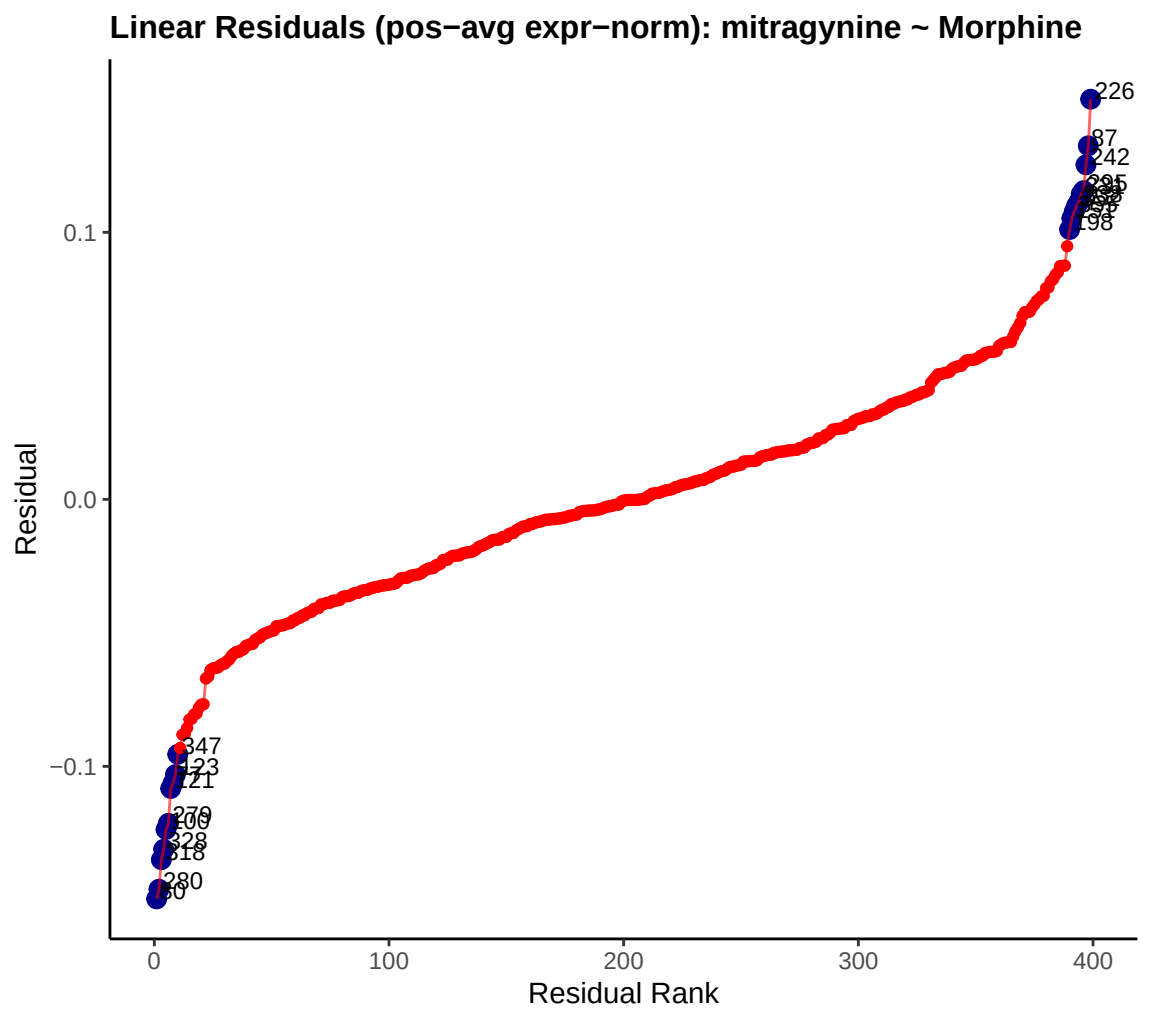
Linear Residuals (pos−avg expr−norm): TRV130 ~ Morphine




Morphine vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.528 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: Morphine
0.2
0.0
−0.2
−0.4
−0.4
−0.2
0.0
71
107
201
87
96
94
258
177
315
174
294
340
171
328
291
298
167
327


Linear Residuals (pos−avg expr−norm): fentanyl ~ Morphine
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
0
100
200
300
400
298
328
327


Morphine vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.582 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: Morphine
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.2
0.0
226
352
87
338
331
242
121
318
123
347
328
279
80
77
100
280

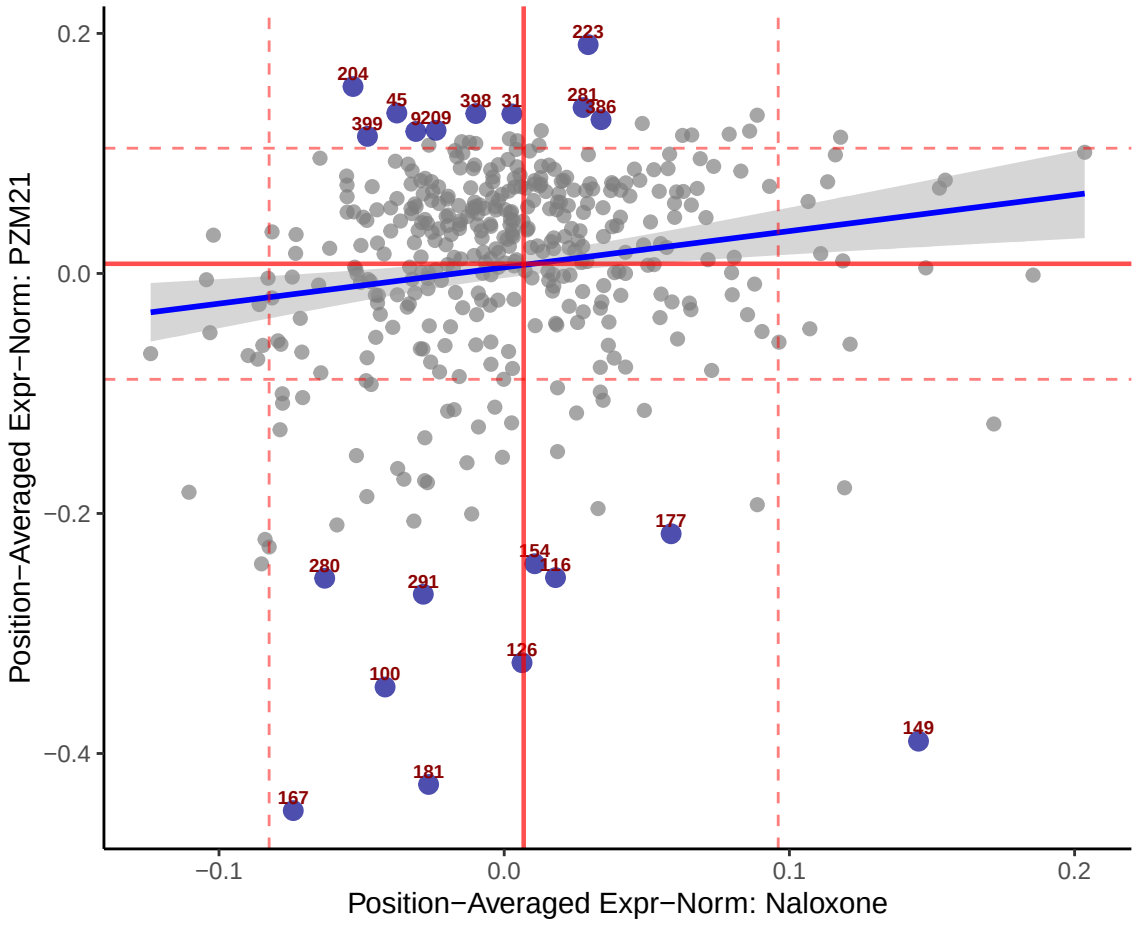

Linear Residuals (pos−avg expr−norm): mitragynine ~ Morphine
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400
226
87
242
347
279
328
280

Morphine vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.012 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: Morphine
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.4
−0.2
0.0
142
219
168
186
111
181
100
264
280
175
41

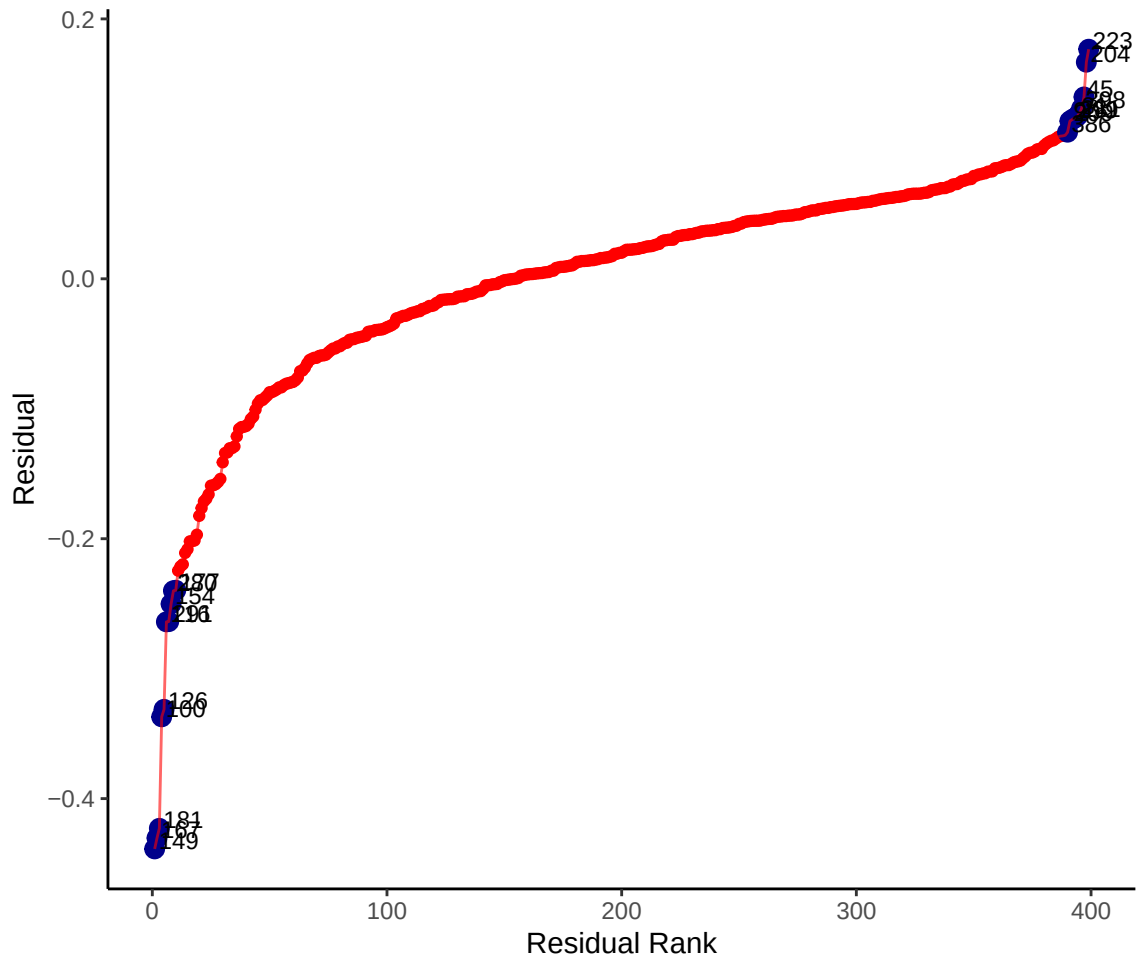
Linear Residuals (pos−avg expr−norm): surface ~ Morphine
Residual
Residual Rank
2.156398e−15
1.206183e−15
2.559672e−16
−6.942482e−16
−1.644464e−15
0
100
200
300
400
142
168
219
181
280
175

Naloxone vs PZM21 (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.027 | Red lines: synonymous mean ± SD | Blue: extreme residuals

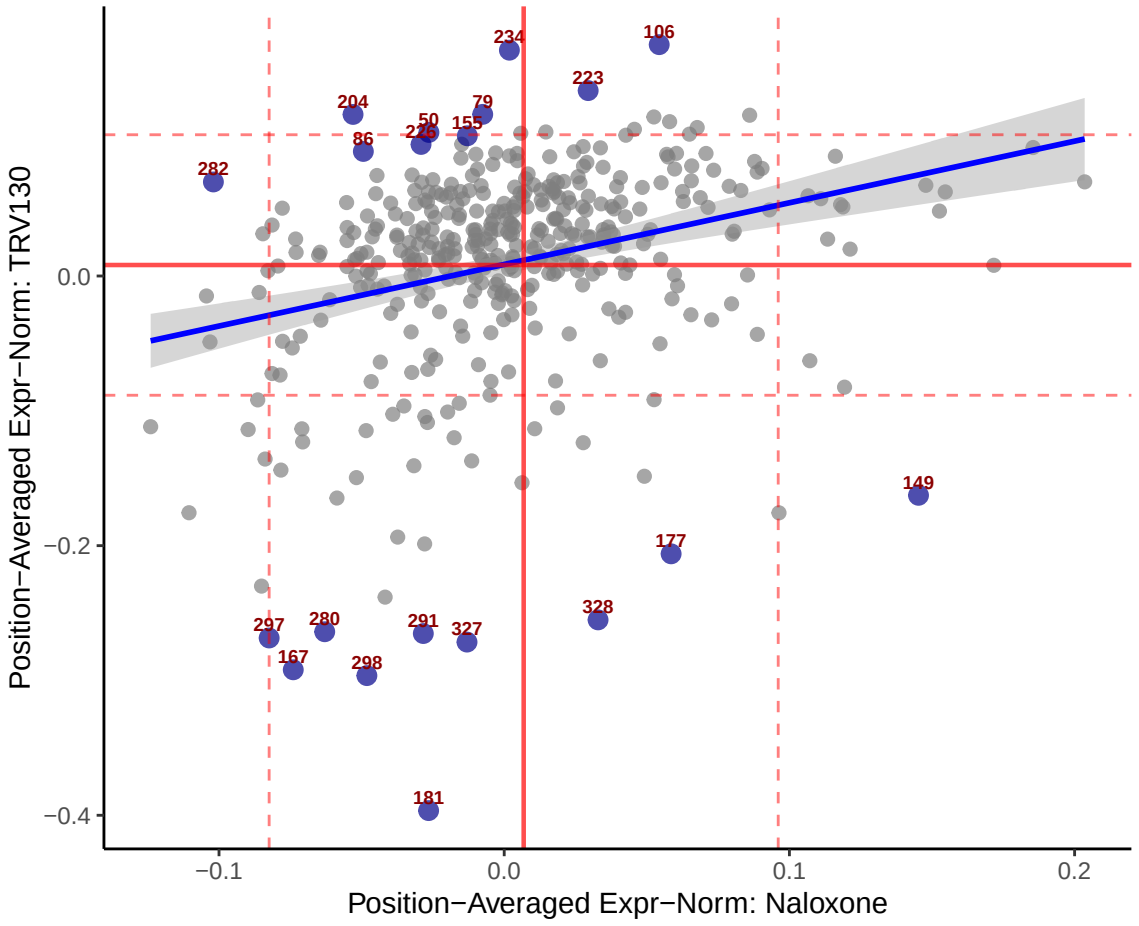


Linear Residuals (pos−avg expr−norm): PZM21 ~ Naloxone

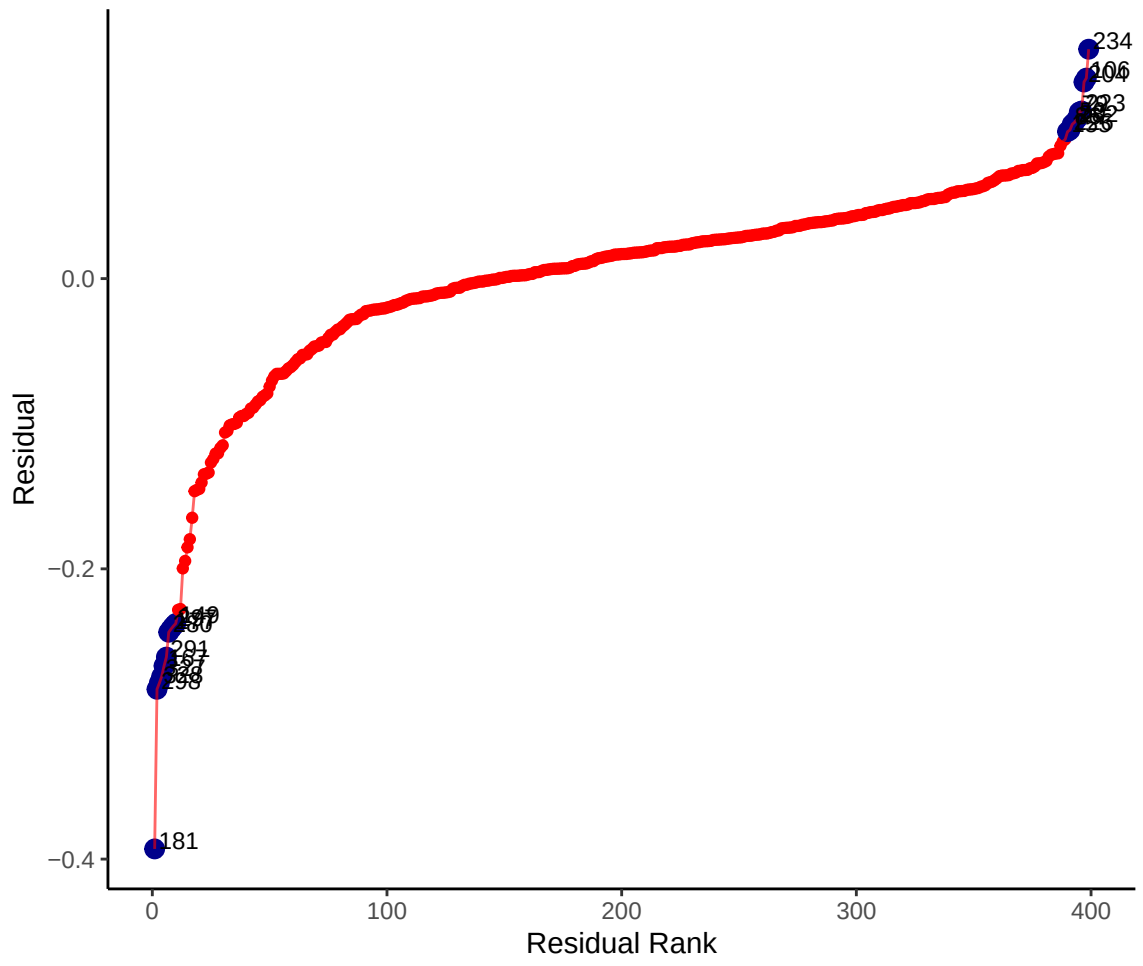


Naloxone vs TRV130 (Linear Models, Pos−Avg Expr−Norm)

R^2 = 0.086 | Red lines: synonymous mean ± SD | Blue: extreme residuals

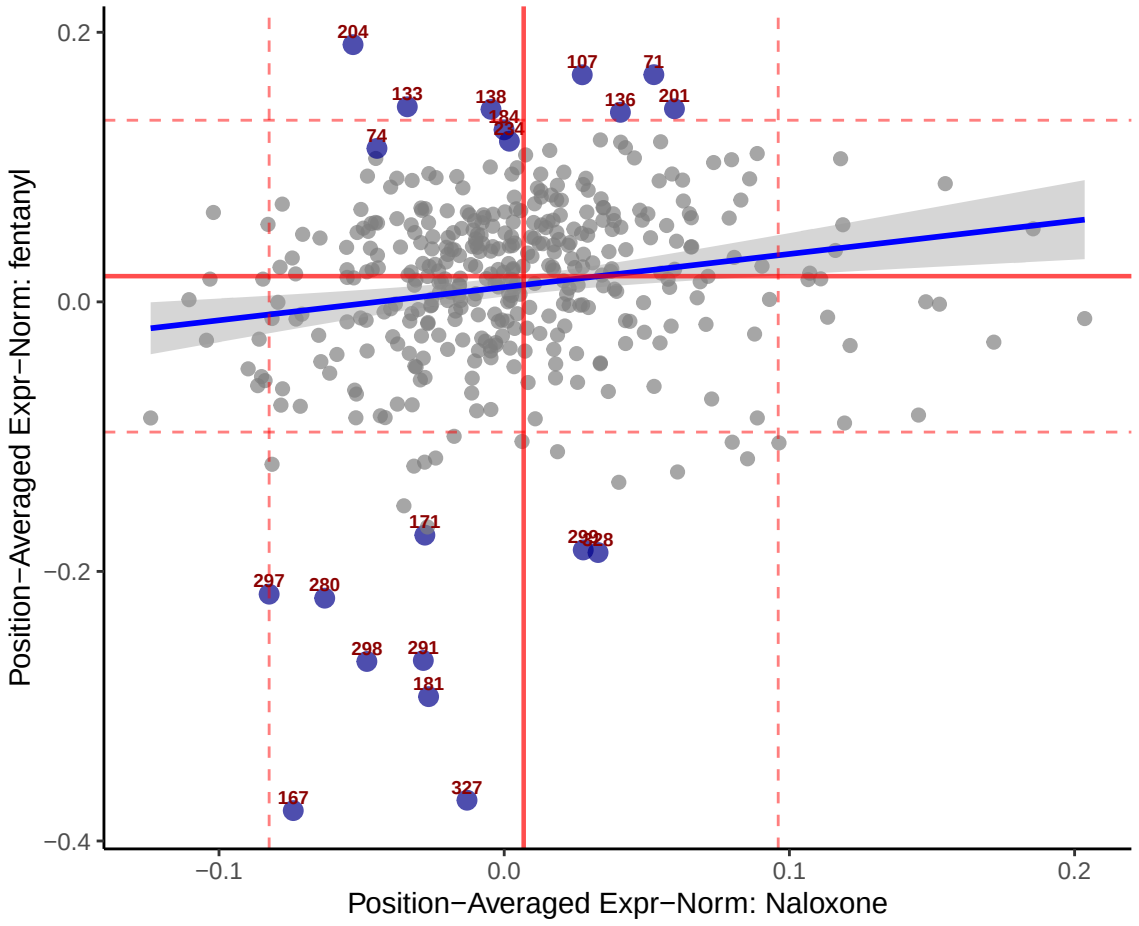


Linear Residuals (pos−avg expr−norm): TRV130 ~ Naloxone

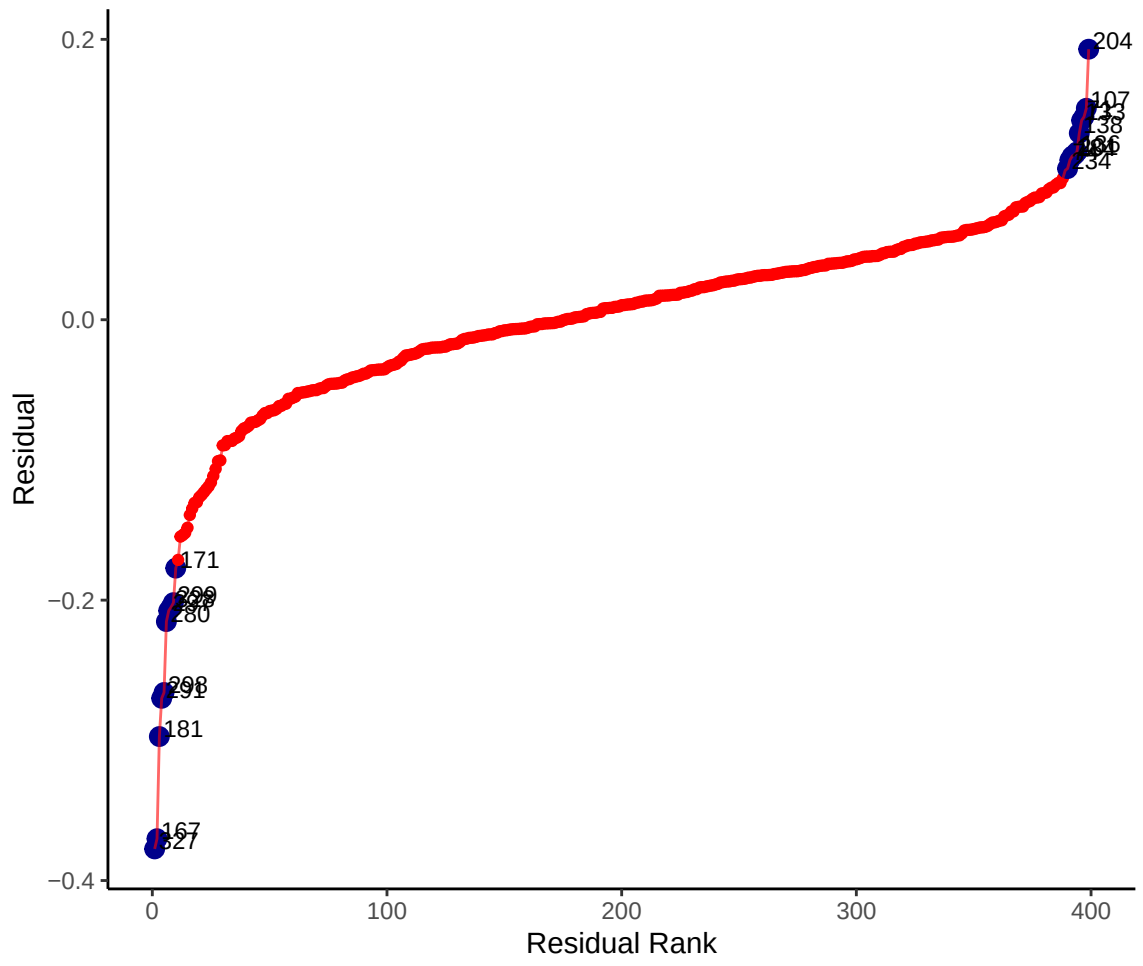


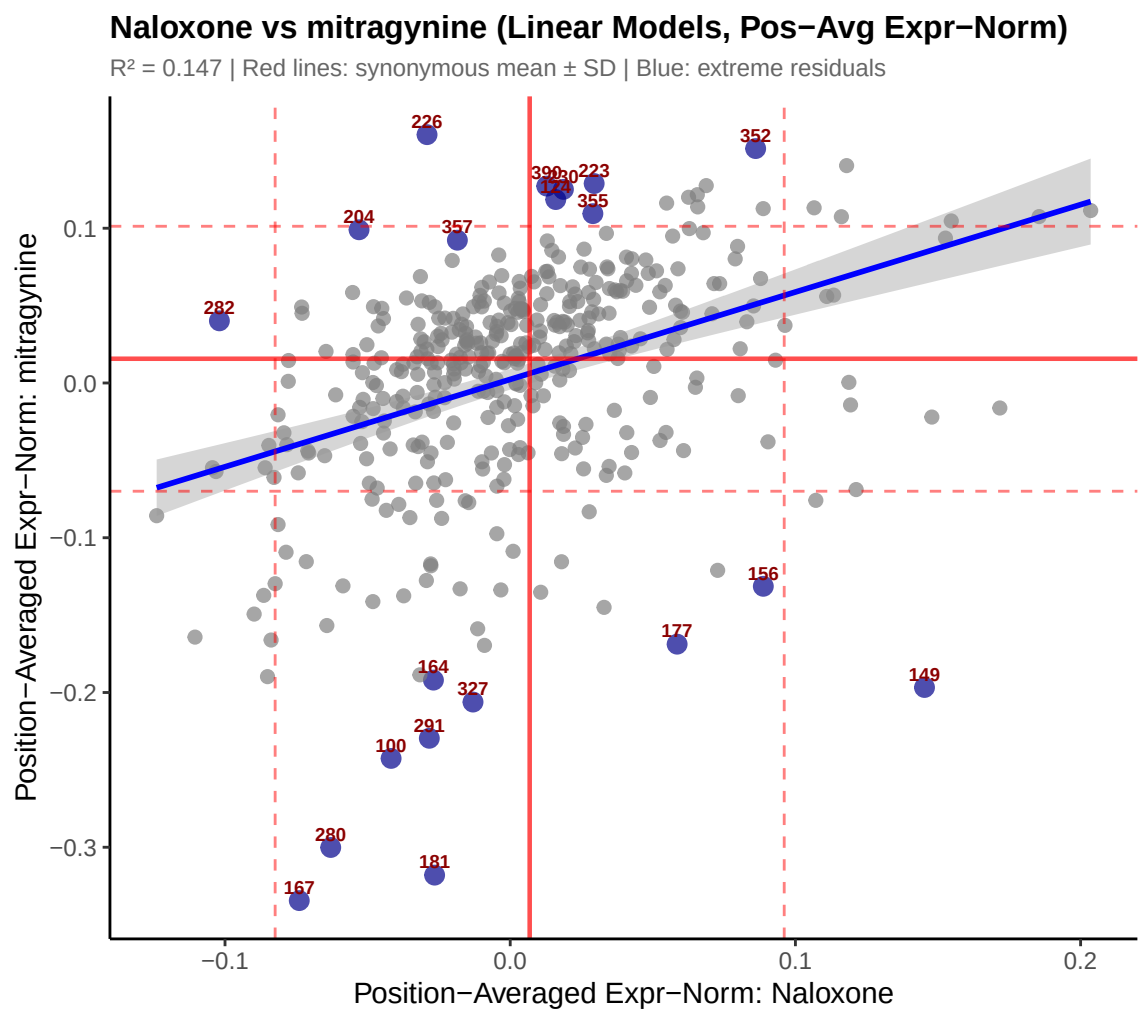
Naloxone vs fentanyl (Linear Models, Pos−Avg Expr−Norm)

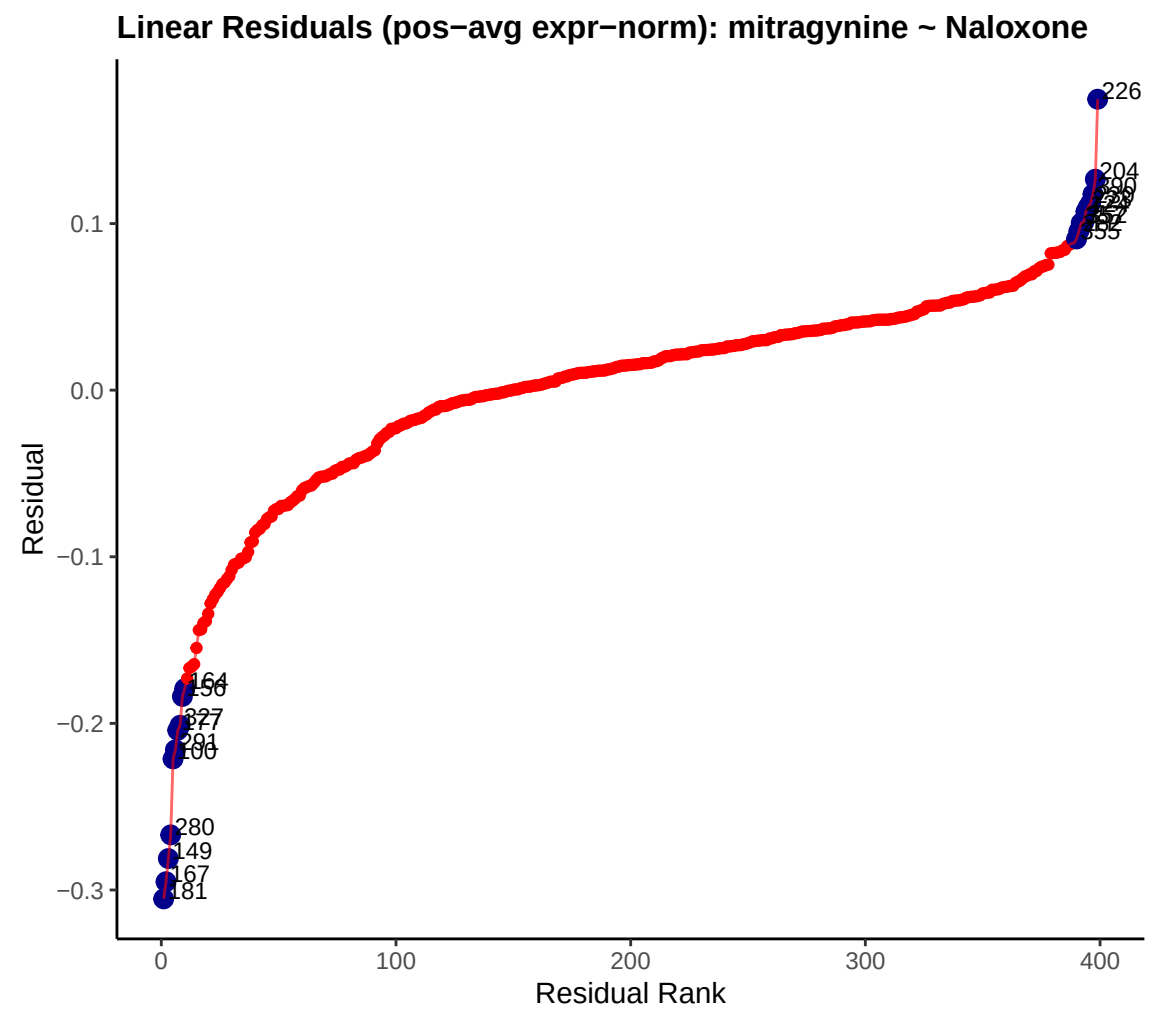
R^2 = 0.028 | Red lines: synonymous mean ± SD | Blue: extreme residuals

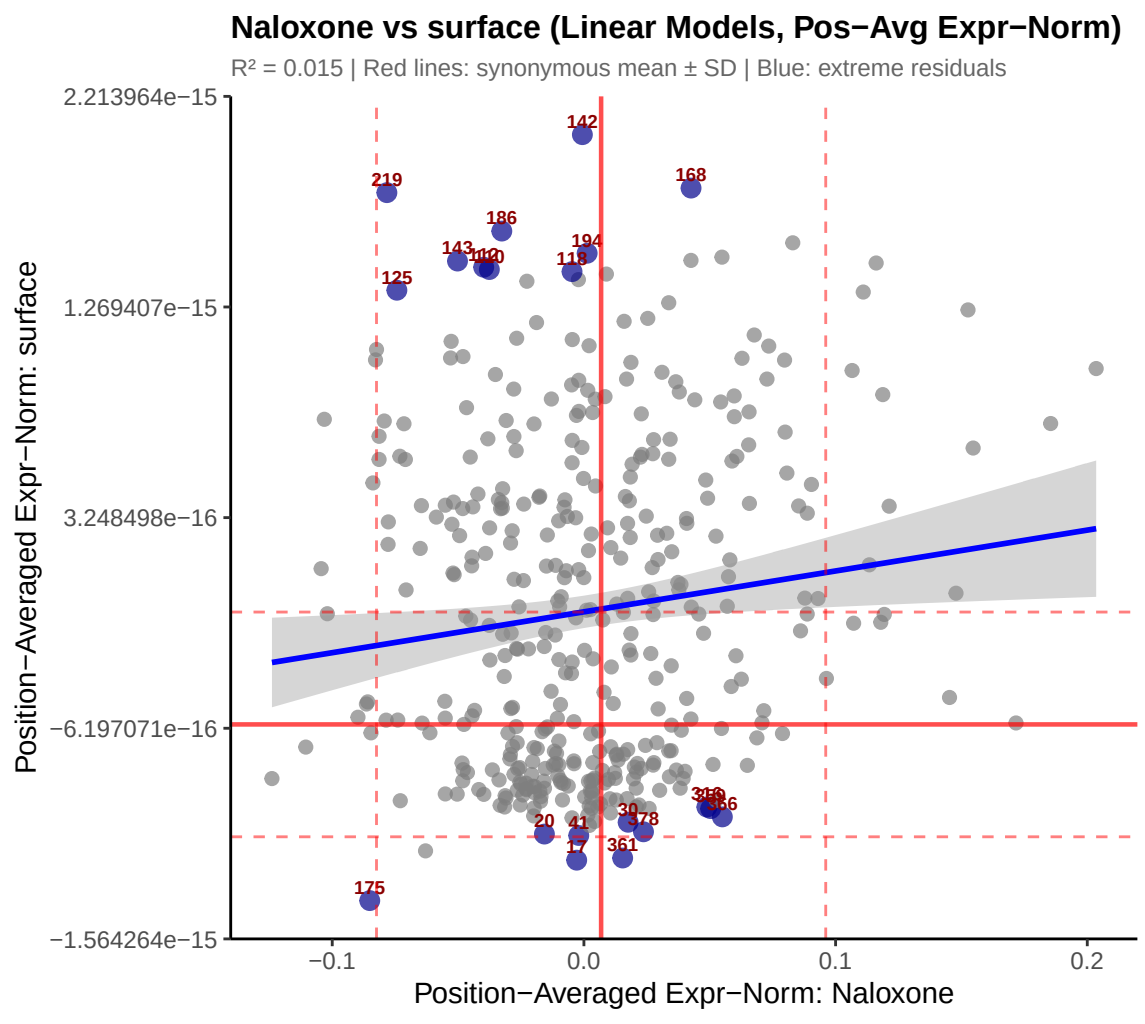


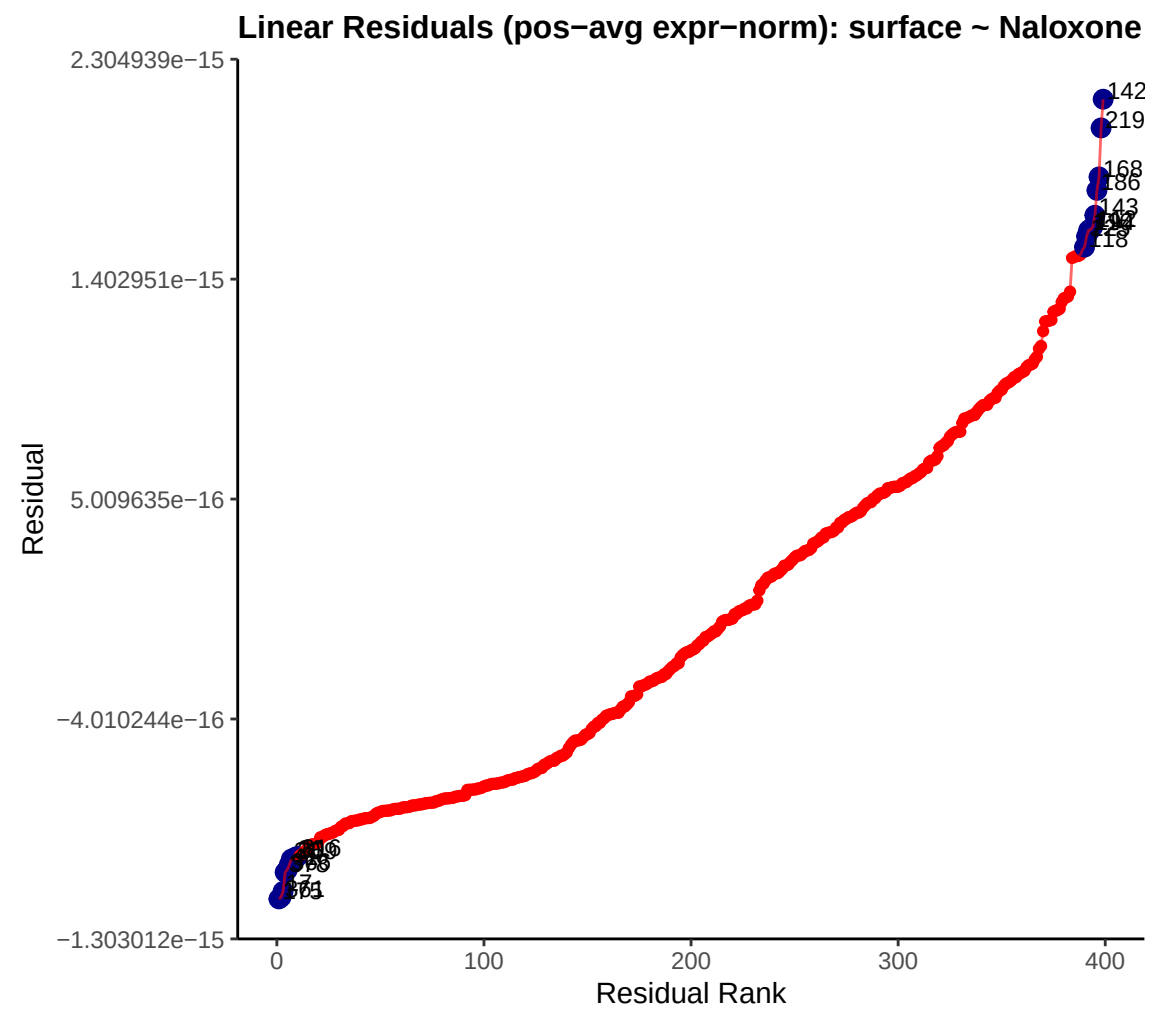
Linear Residuals (pos−avg expr−norm): fentanyl ~ Naloxone

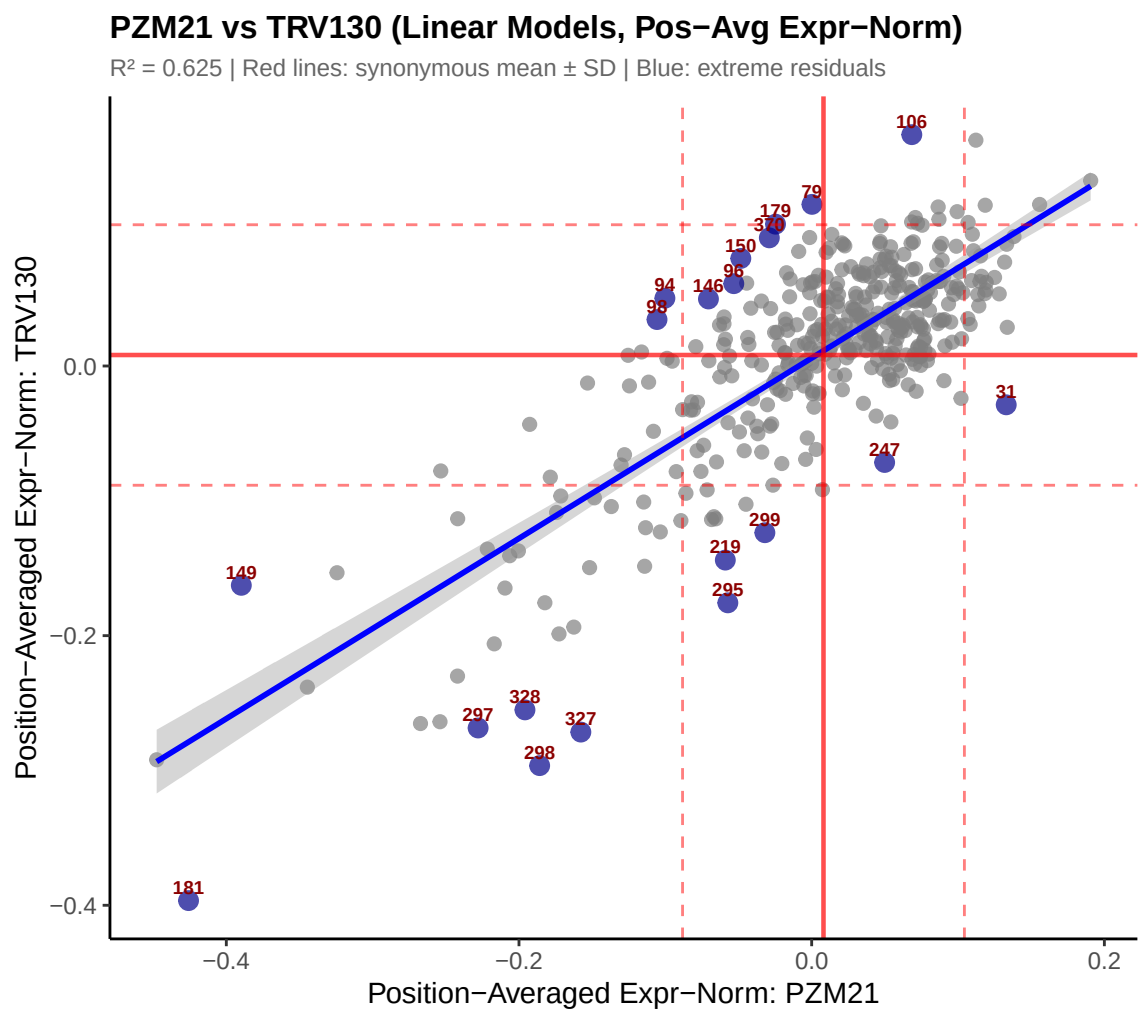


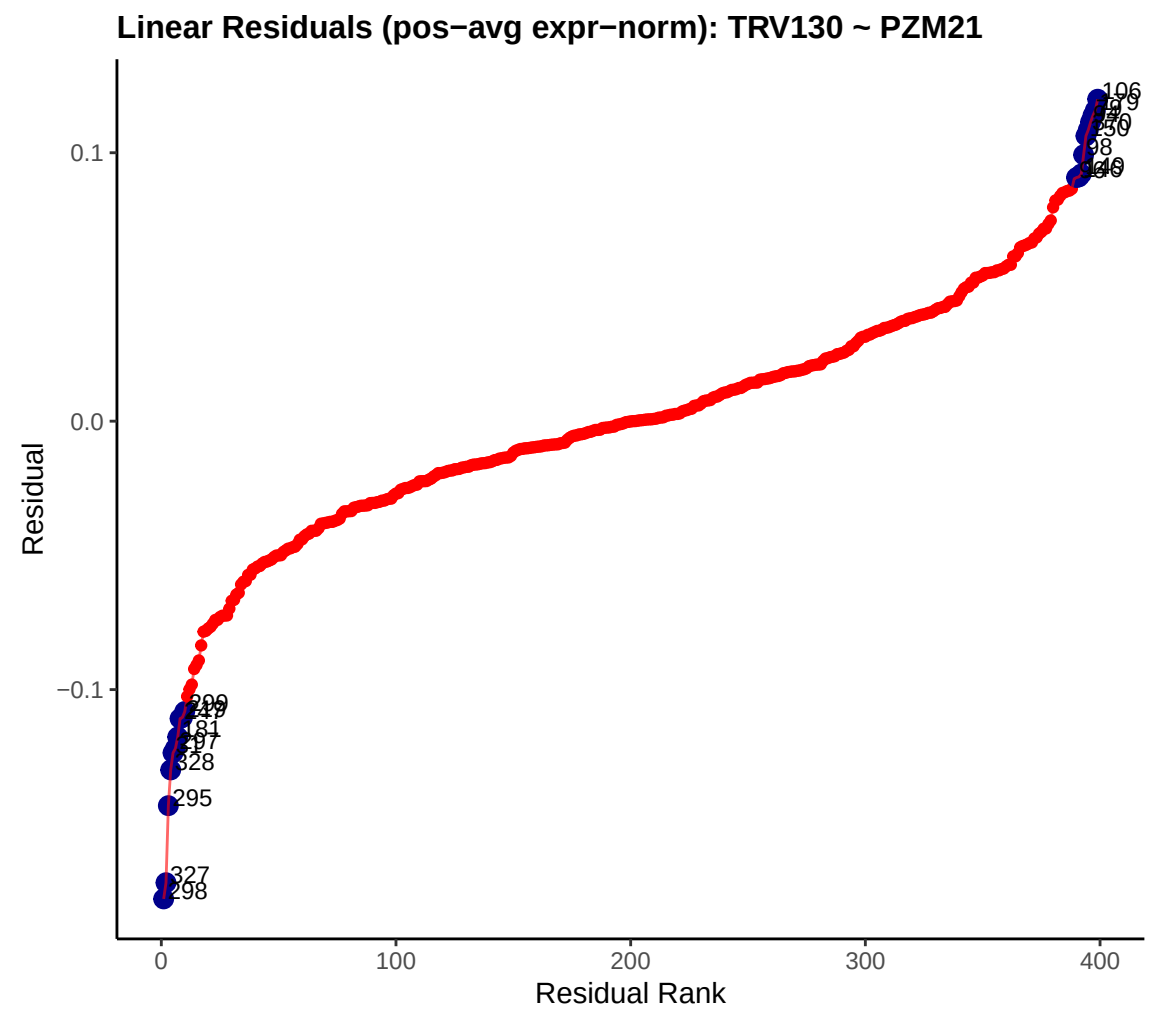

Naloxone vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.147 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: Naloxone
226
352
223
204
357
355
282
156
177
164
327
149
291
100
280
181
167

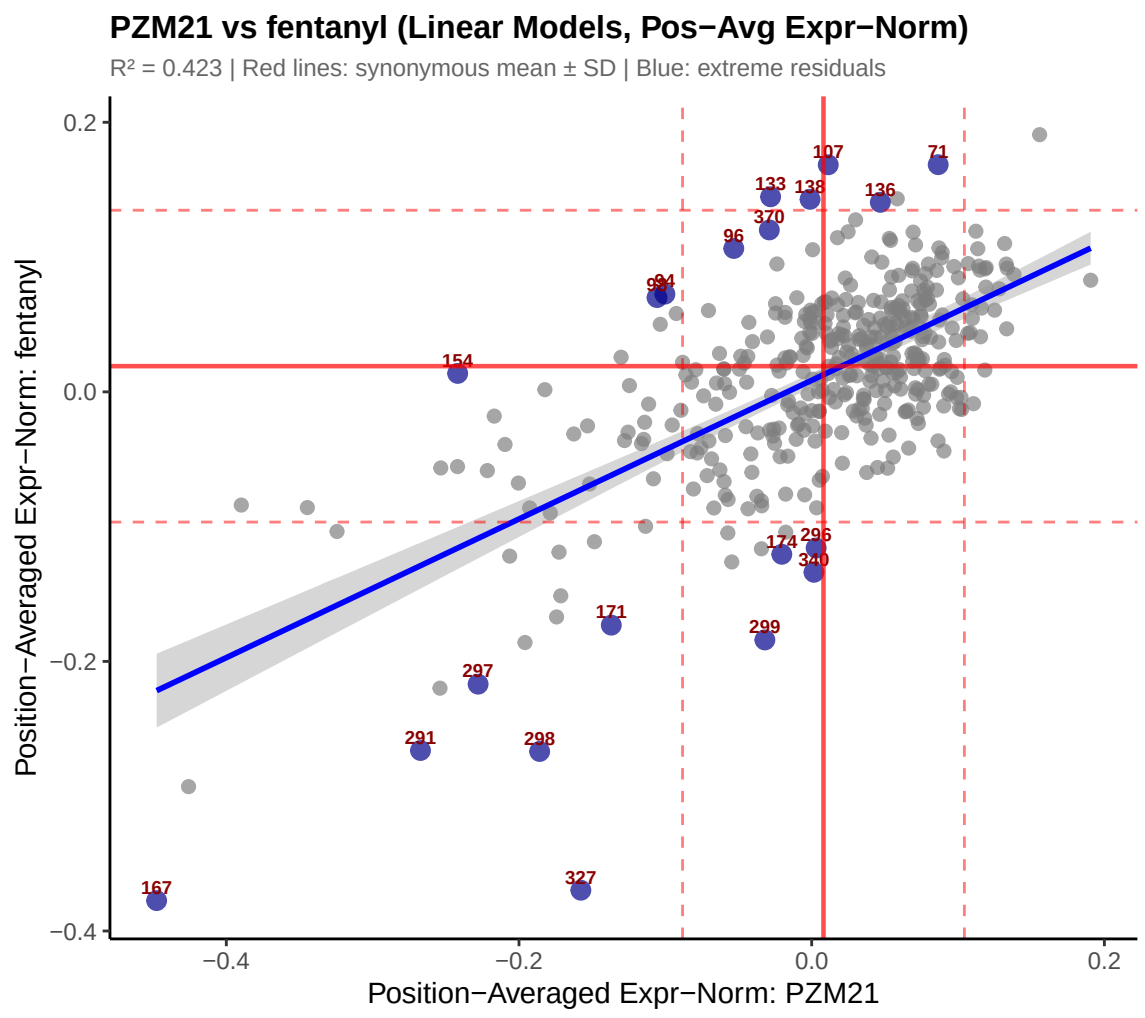

Linear Residuals (pos−avg expr−norm): mitragynine ~ Naloxone
Residual
Residual Rank
226
204
164
327
291
100
280
149
167
181

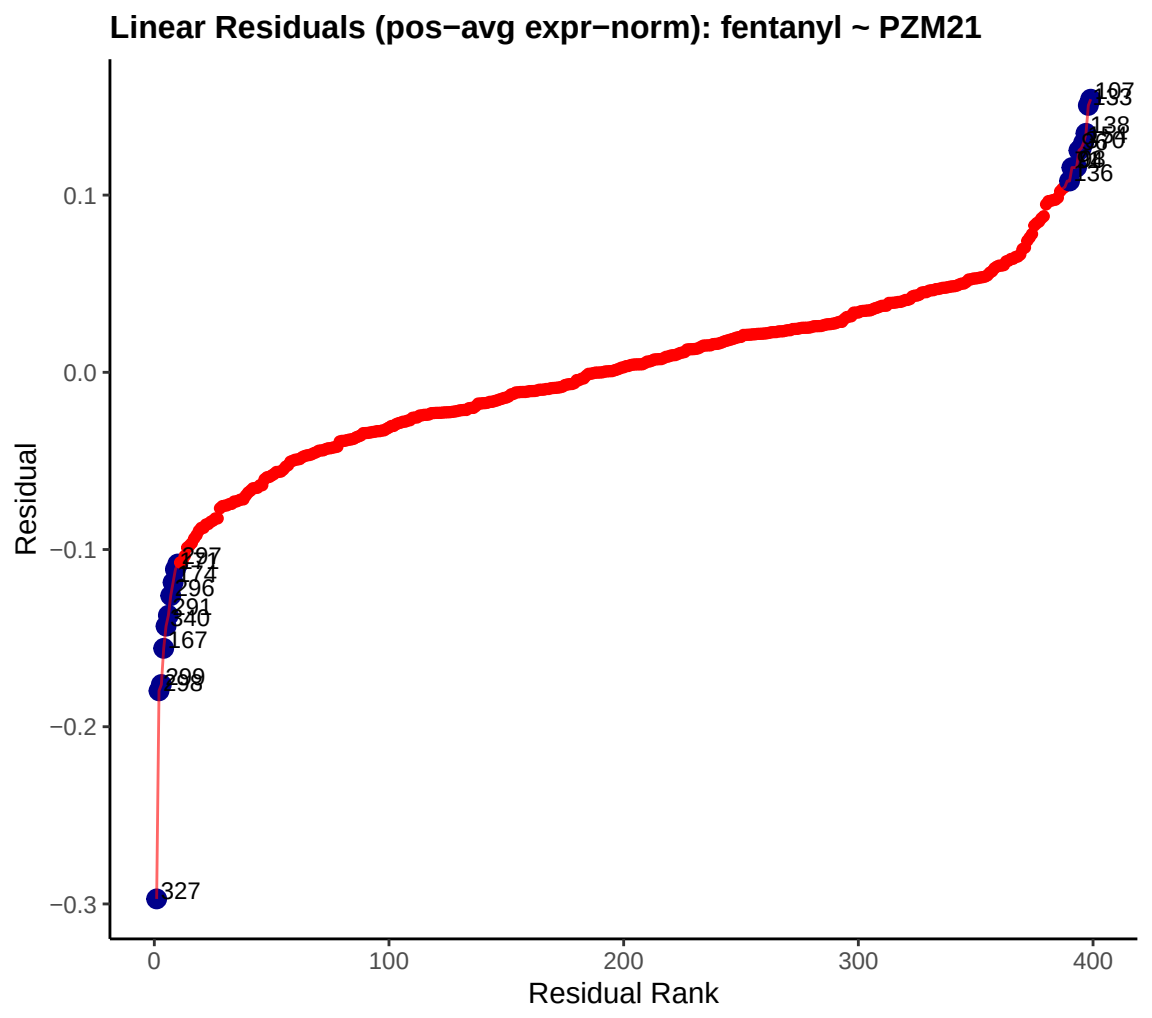

Naloxone vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.015 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: Naloxone
142
219
168
186
194
125
175

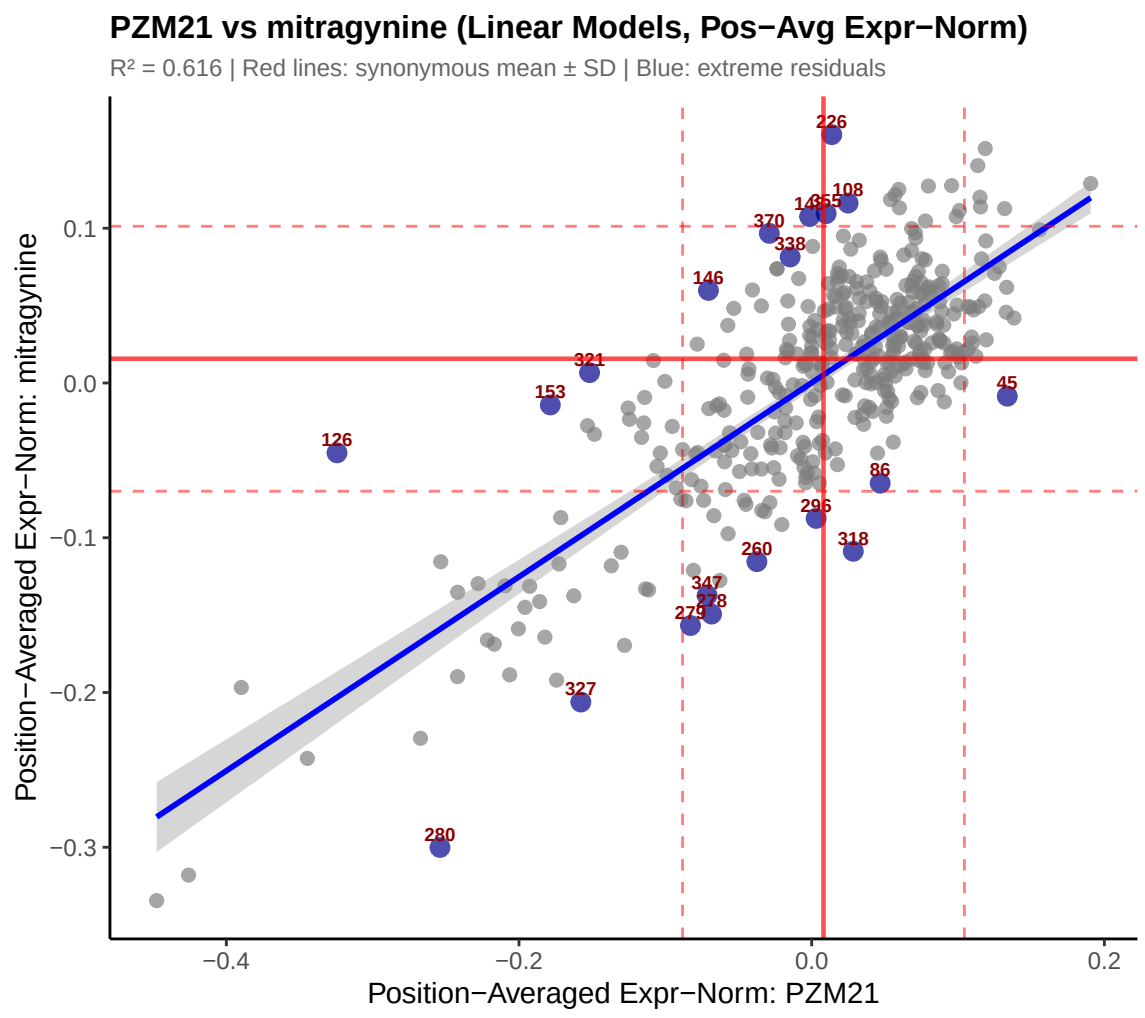

Linear Residuals (pos−avg expr−norm): surface ~ Naloxone
Residual
Residual Rank
142
219
168
186
143

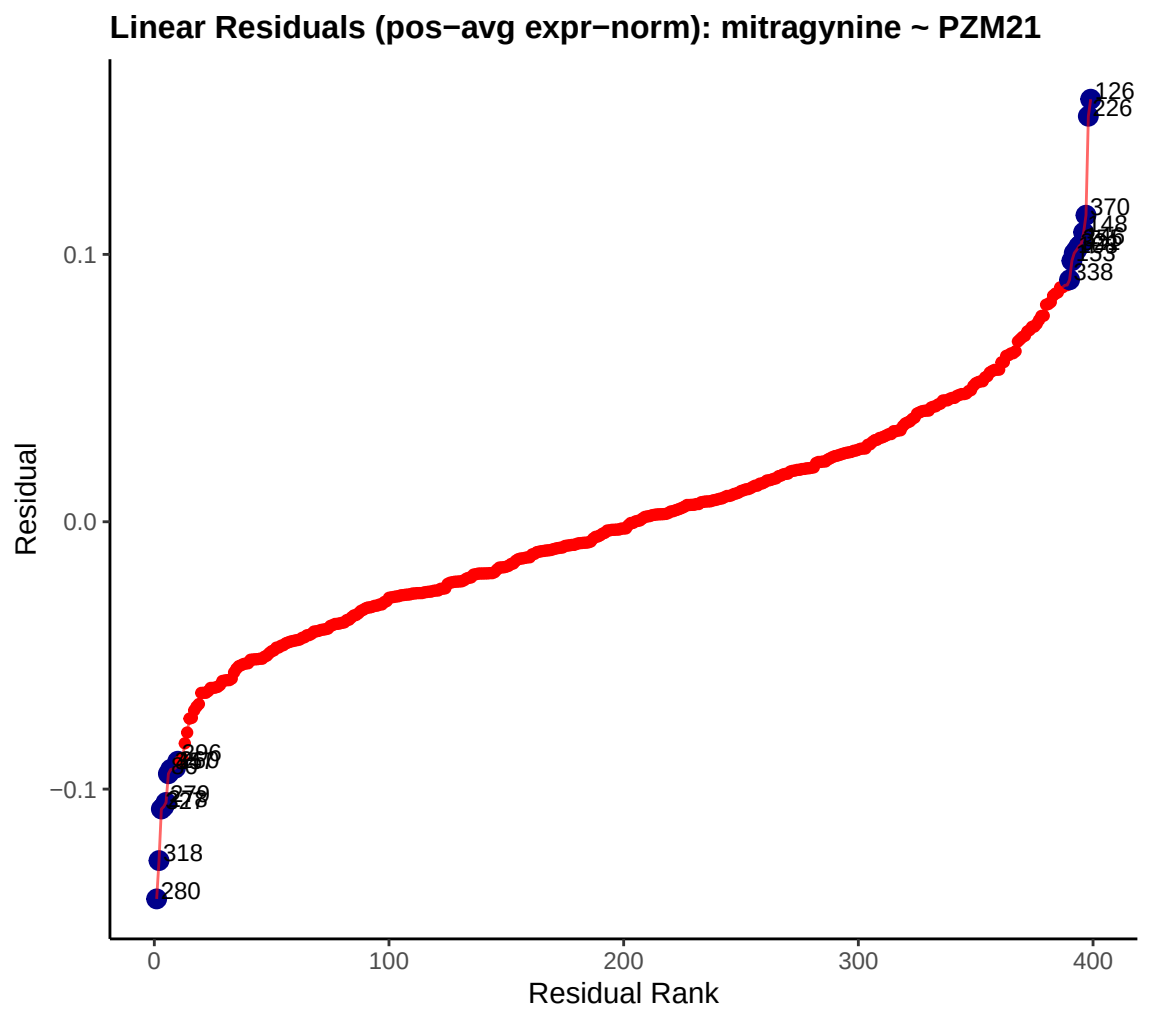

PZM21 vs TRV130 (Linear Models, Pos−Avg Expr−Norm)
R² = 0.625 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: TRV130
Position−Averaged Expr−Norm: PZM21
106
79
179
150
96
94
146
98
31
247
299
219
295
149
328
297
327
298
181

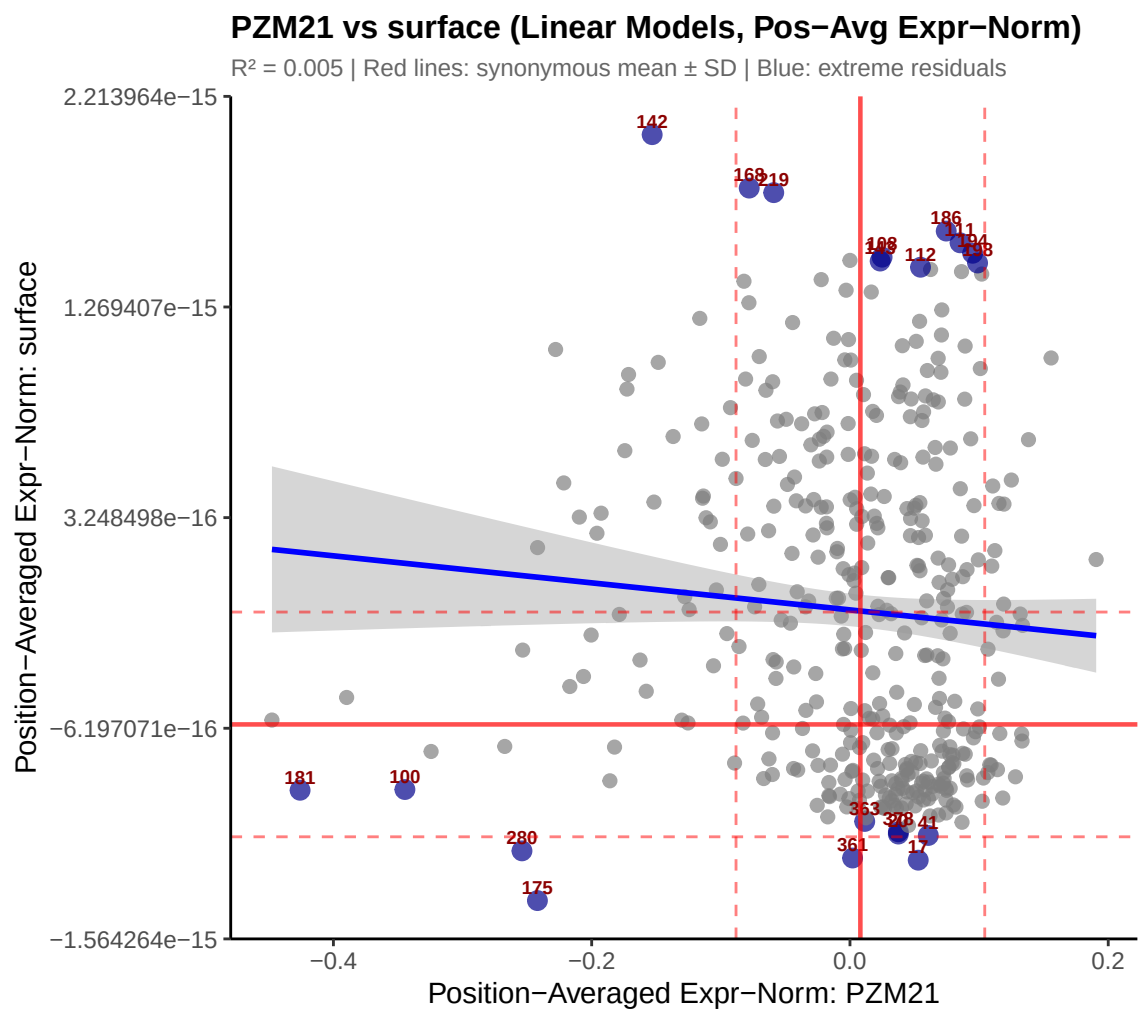

Linear Residuals (pos−avg expr−norm): TRV130 ~ PZM21
Residual
Residual Rank
106
295
327
298

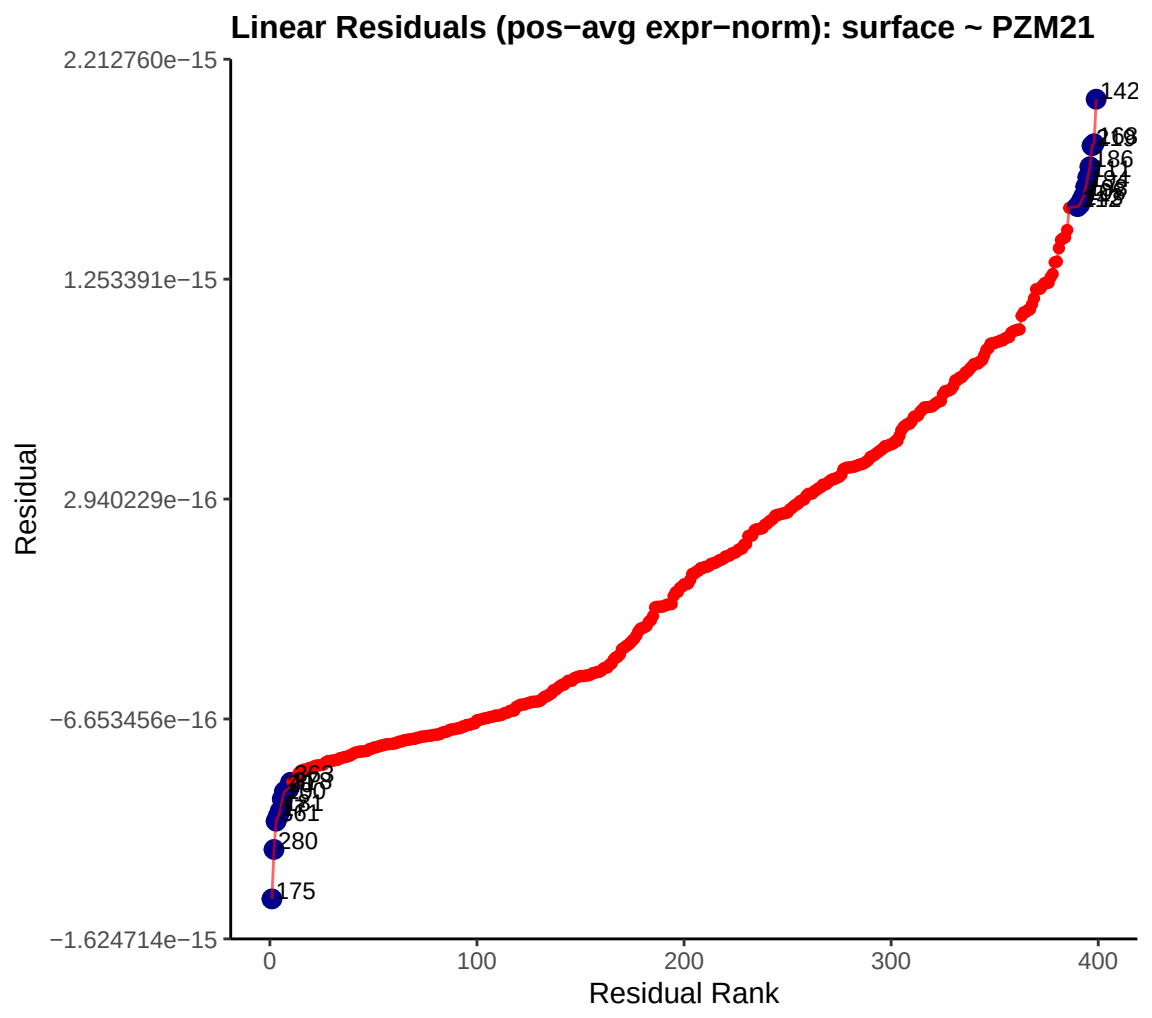

PZM21 vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.423 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: PZM21
0.2
0.0
−0.2
−0.4
107
71
133
138
136
370
96
94
154
174
296
340
171
299
297
291
298
167
327

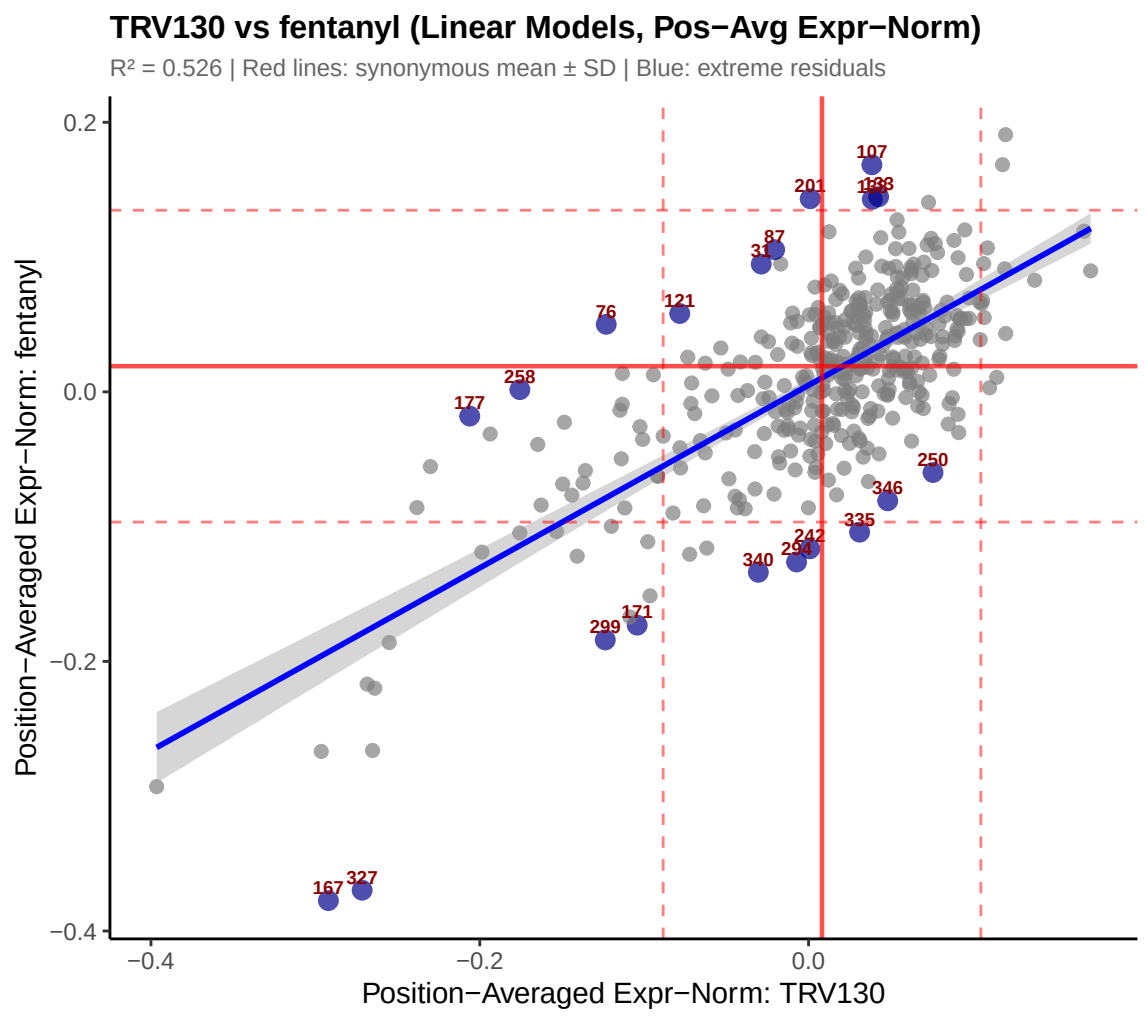

Linear Residuals (pos−avg expr−norm): fentanyl ~ PZM21
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
−0.3
0
100
200
300
400
327

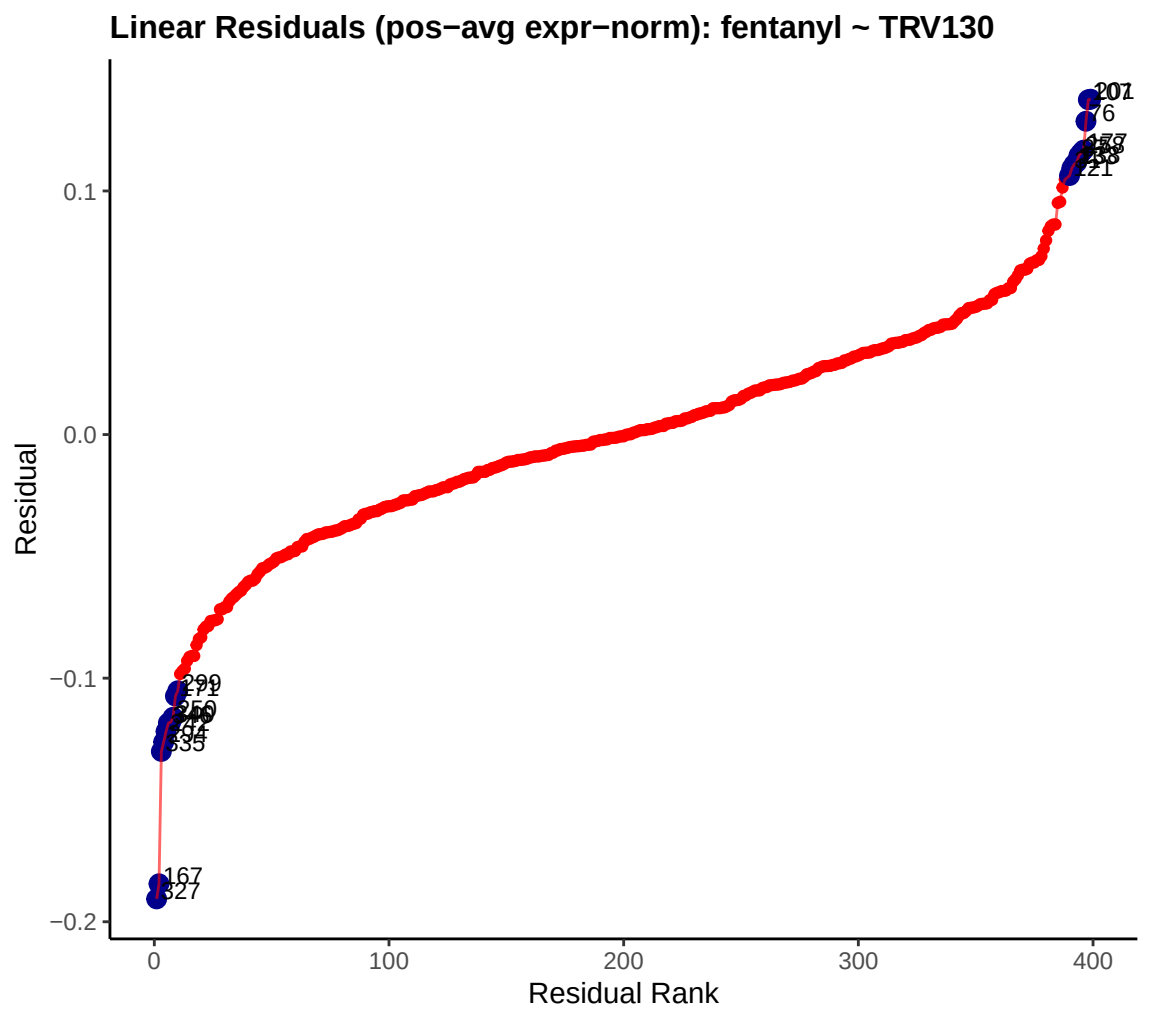

PZM21 vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.616 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: PZM21
0.1
0.0
−0.1
−0.2
−0.3
226
108
370
338
146
321
153
126
45
86
296
318
260
347
278
279
327
280

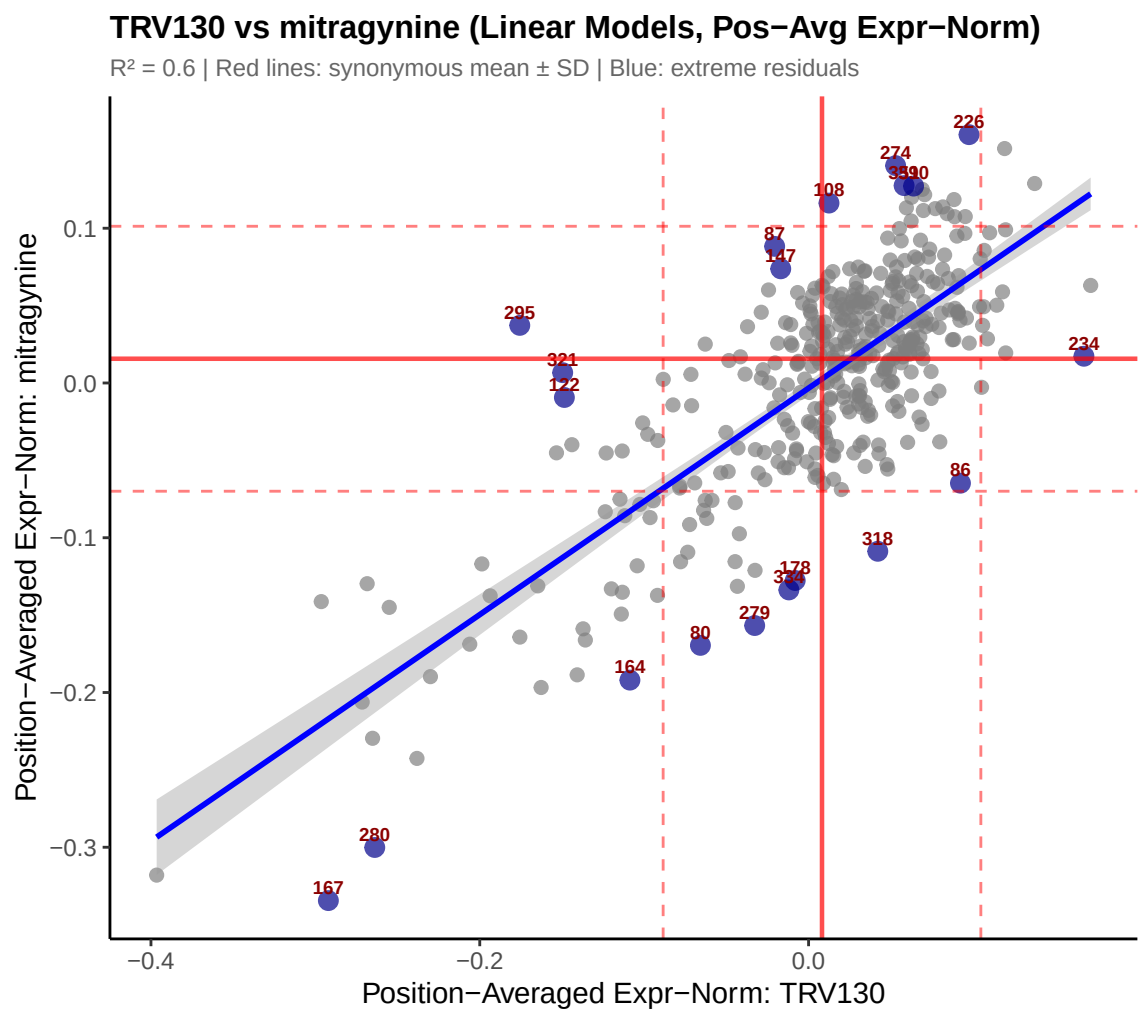

Linear Residuals (pos−avg expr−norm): mitragynine ~ PZM21
Residual
Residual Rank
0.1
0.0
−0.1
126
226
370
338
318
280
0
100
200
300
400

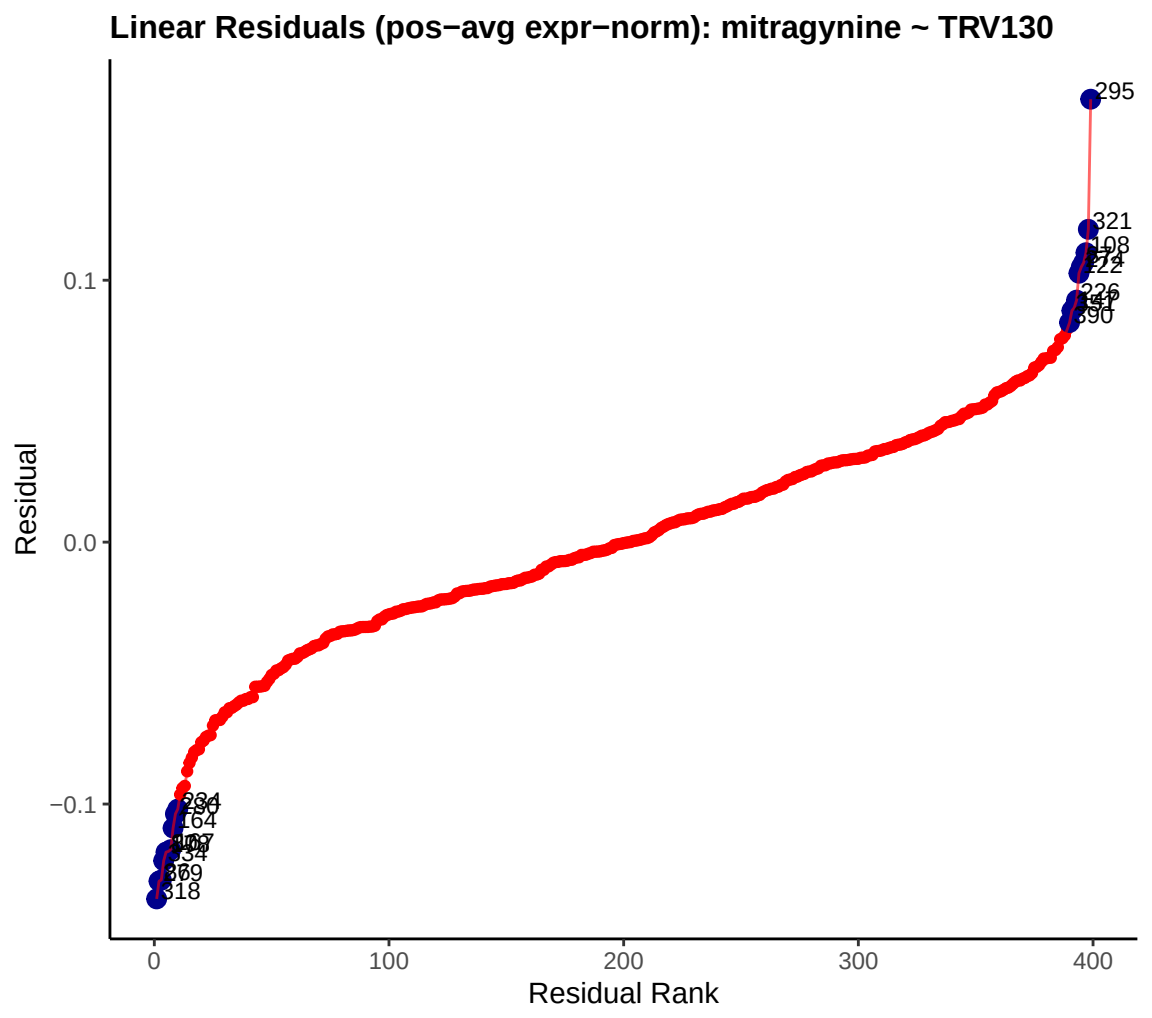

PZM21 vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.005 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: PZM21
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
142
168
219
186
112
181
100
280
175
363
361
41
17

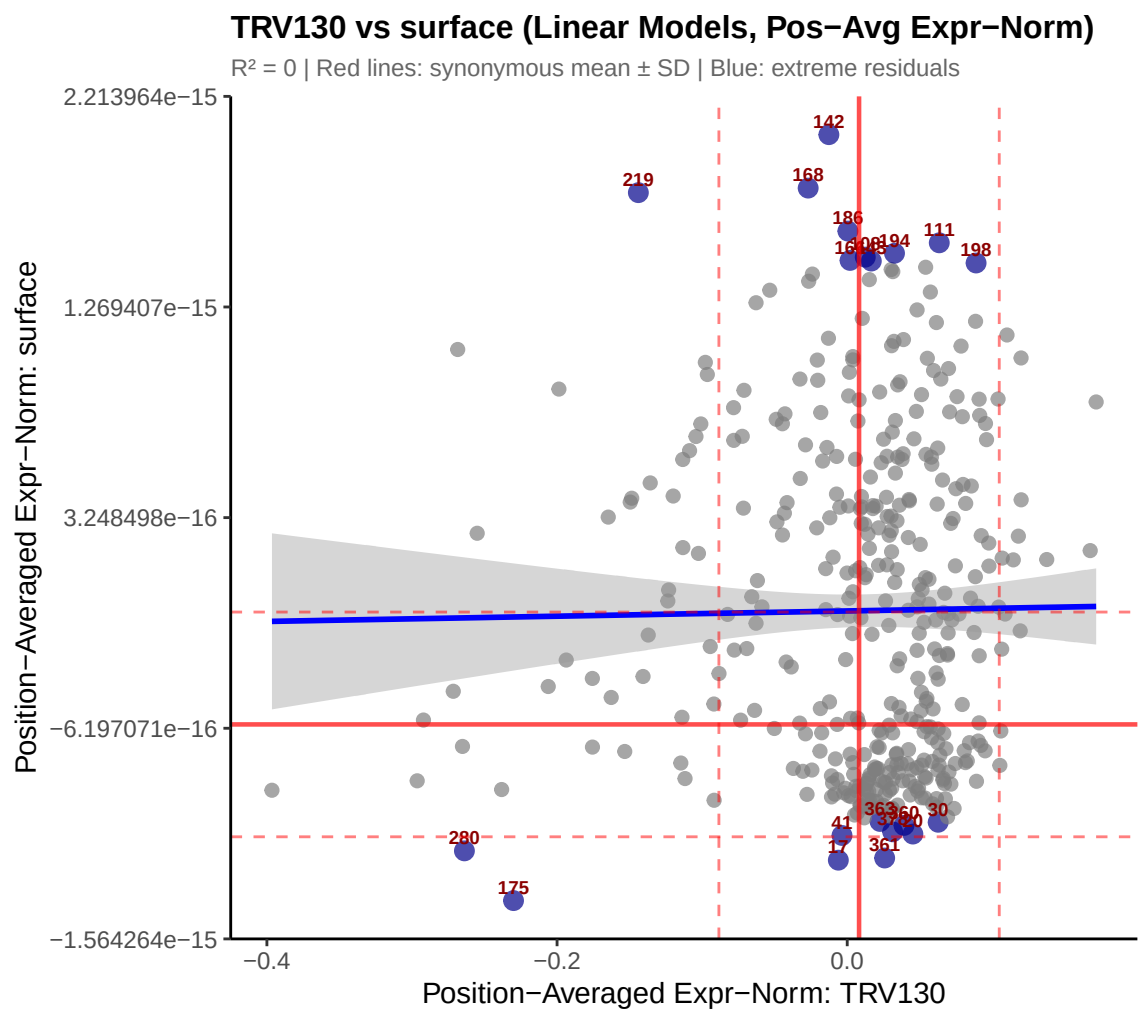

Linear Residuals (pos−avg expr−norm): surface ~ PZM21
Residual
Residual Rank
2.212760e−15
1.253391e−15
2.940229e−16
−6.653456e−16
−1.624714e−15
142
280
175
0
100
200
300
400

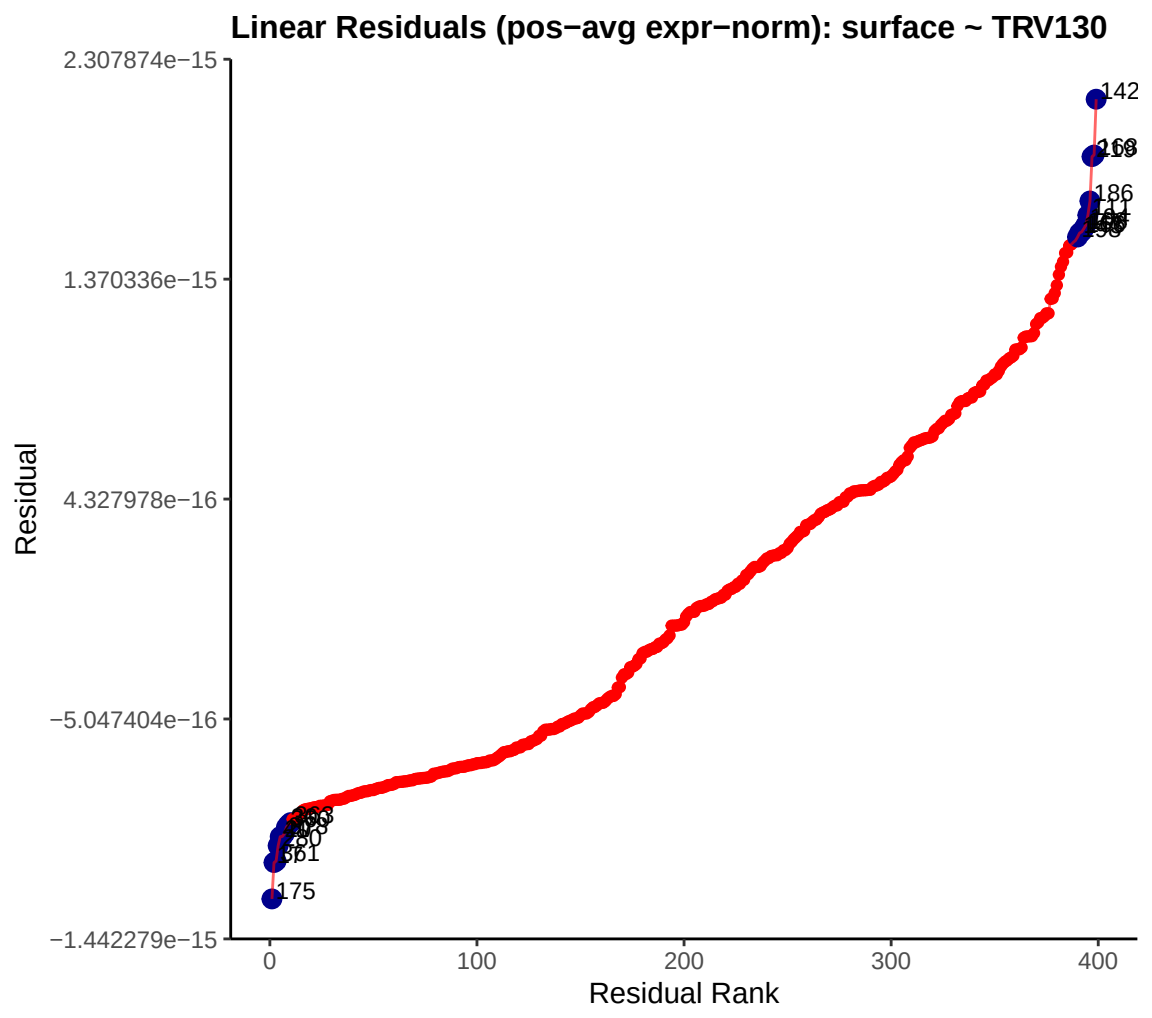

TRV130 vs fentanyl (Linear Models, Pos−Avg Expr−Norm)
R² = 0.526 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: fentanyl
Position−Averaged Expr−Norm: TRV130
0.2
0.0
−0.2
−0.4
107
201
87
121
76
258
177
250
346
335
242
294
340
171
299
167
327

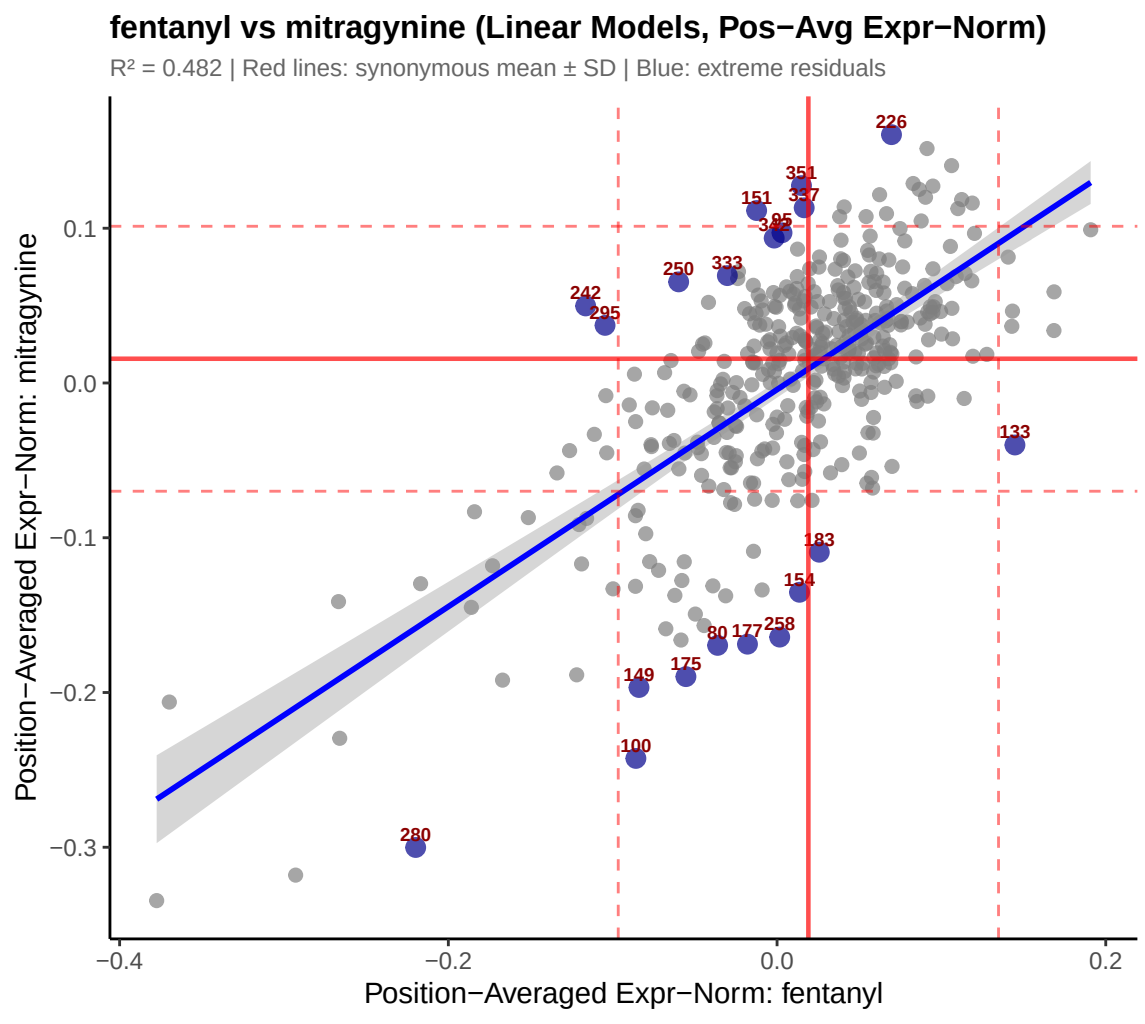

Linear Residuals (pos−avg expr−norm): fentanyl ~ TRV130
Residual
Residual Rank
0.1
0.0
−0.1
−0.2
0
100
200
300
400

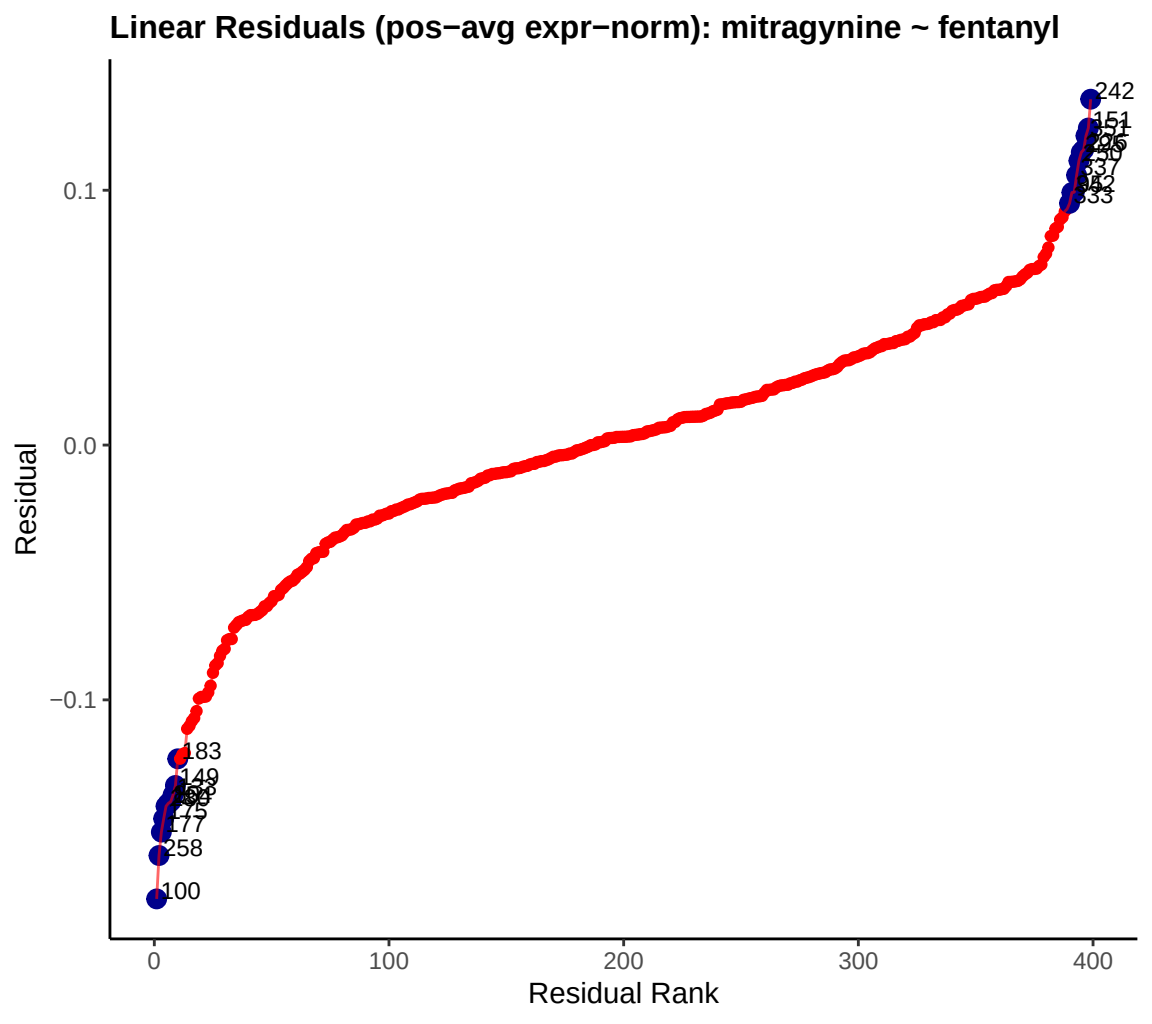

TRV130 vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.6 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: TRV130
0.1
0.0
−0.1
−0.2
−0.3
226
274
108
87
147
295
321
122
234
86
318
178
279
80
164
280
167

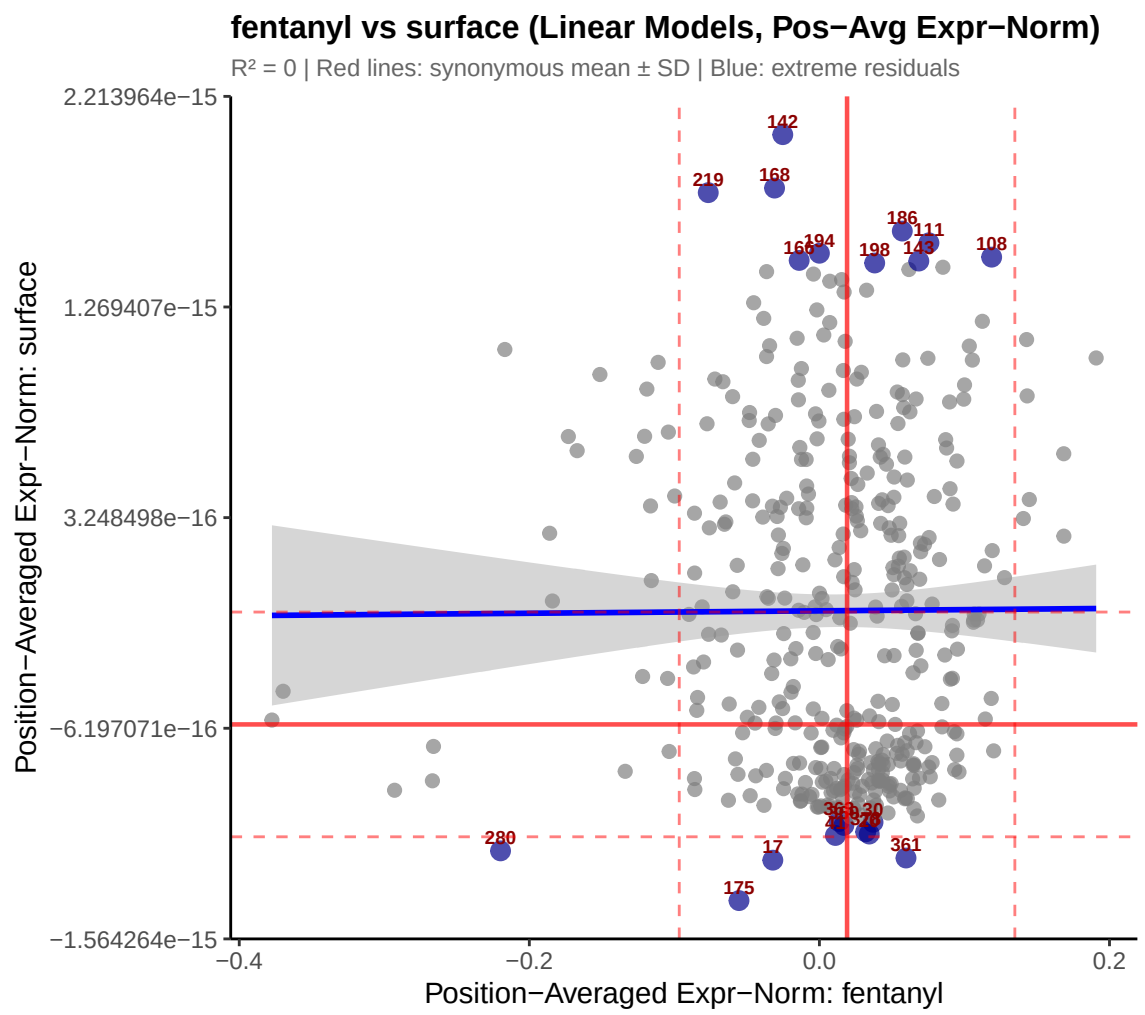

Linear Residuals (pos−avg expr−norm): mitragynine ~ TRV130
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400

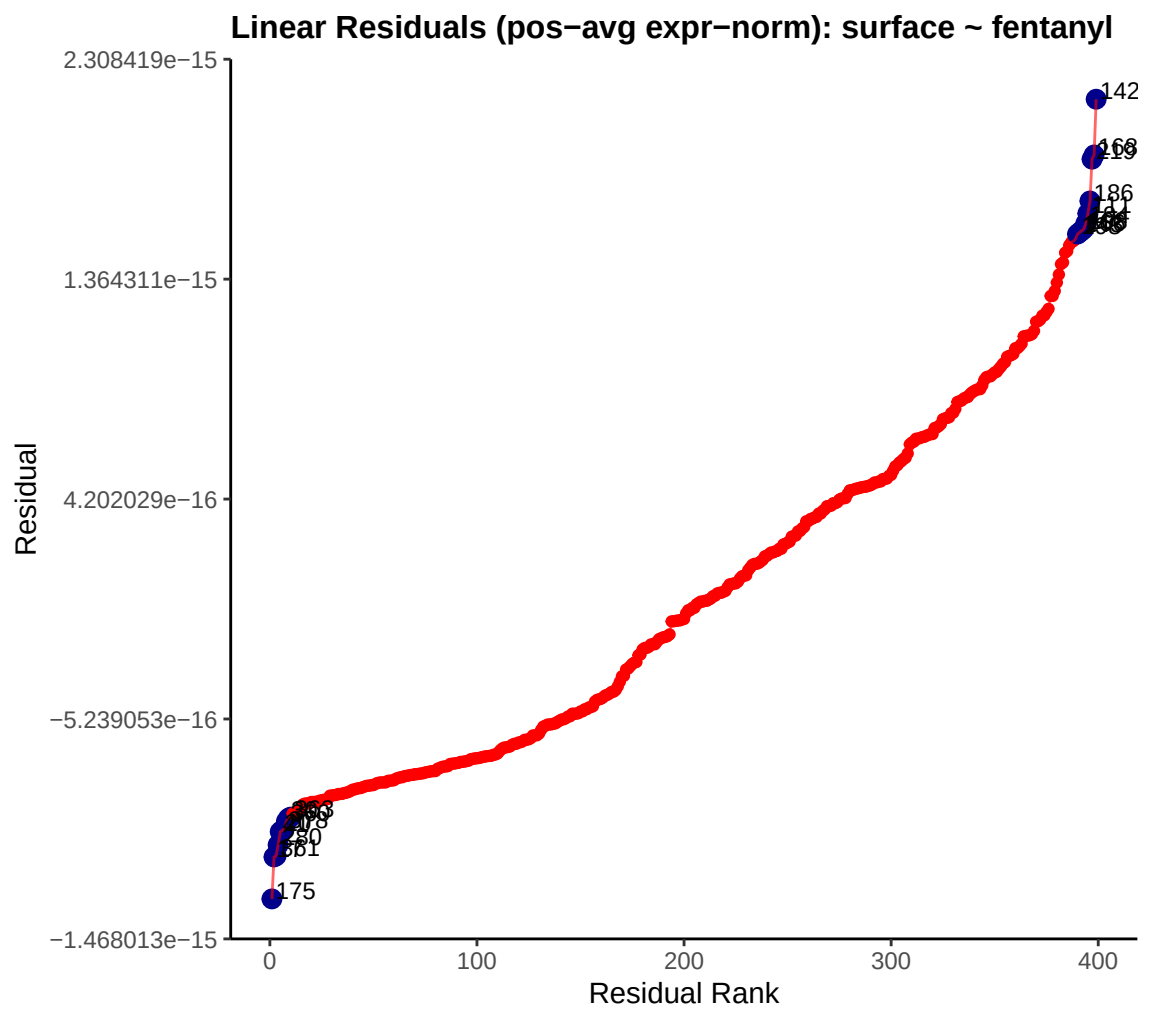

TRV130 vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: TRV130
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.4
−0.2
0.0
142
219
168
186
111
198
194
280
175
41
361
30

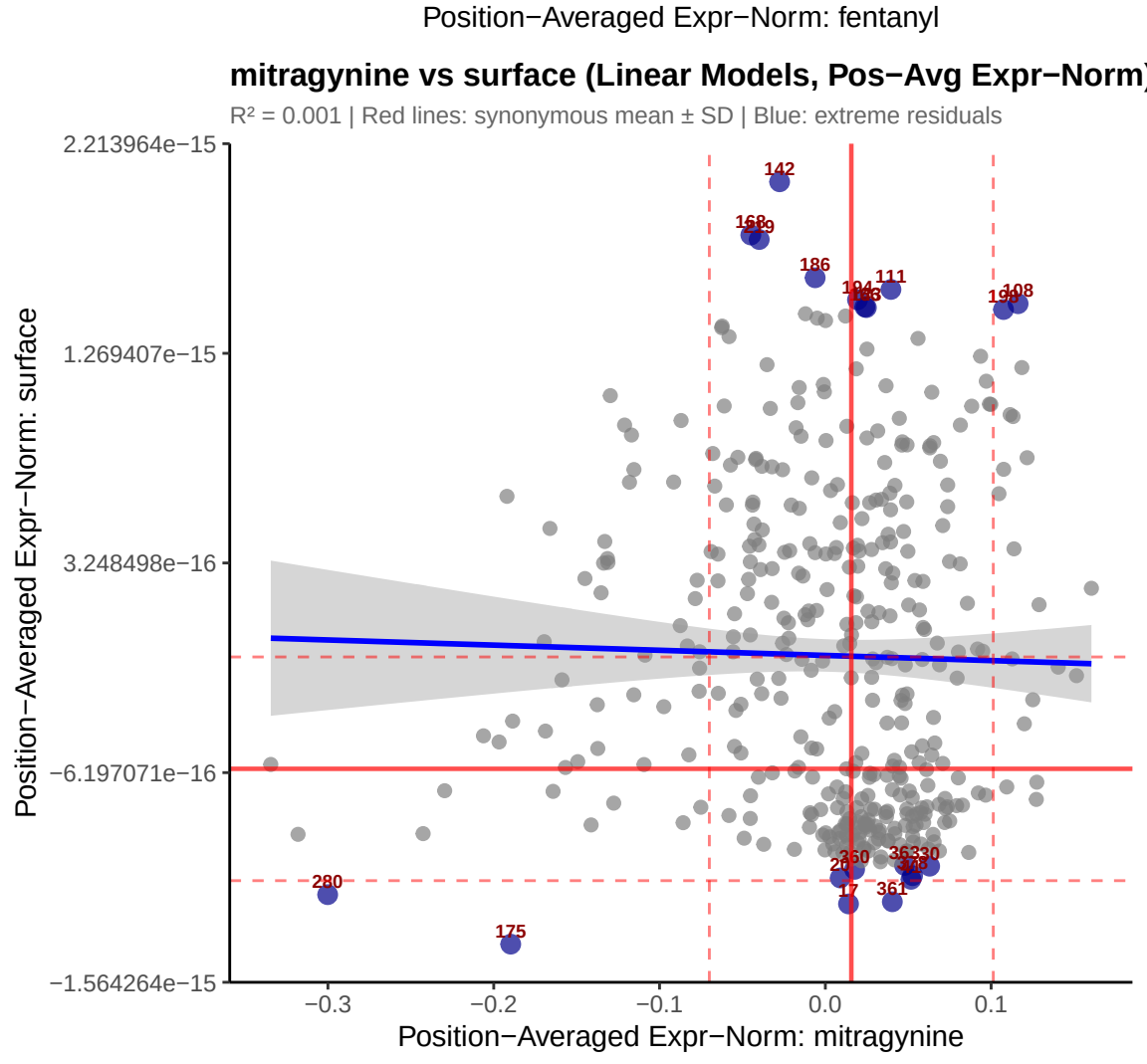

Linear Residuals (pos−avg expr−norm): surface ~ TRV130
Residual
Residual Rank
2.307874e−15
1.370336e−15
4.327978e−16
−5.047404e−16
−1.442279e−15
0
100
200
300
400
142
186
175

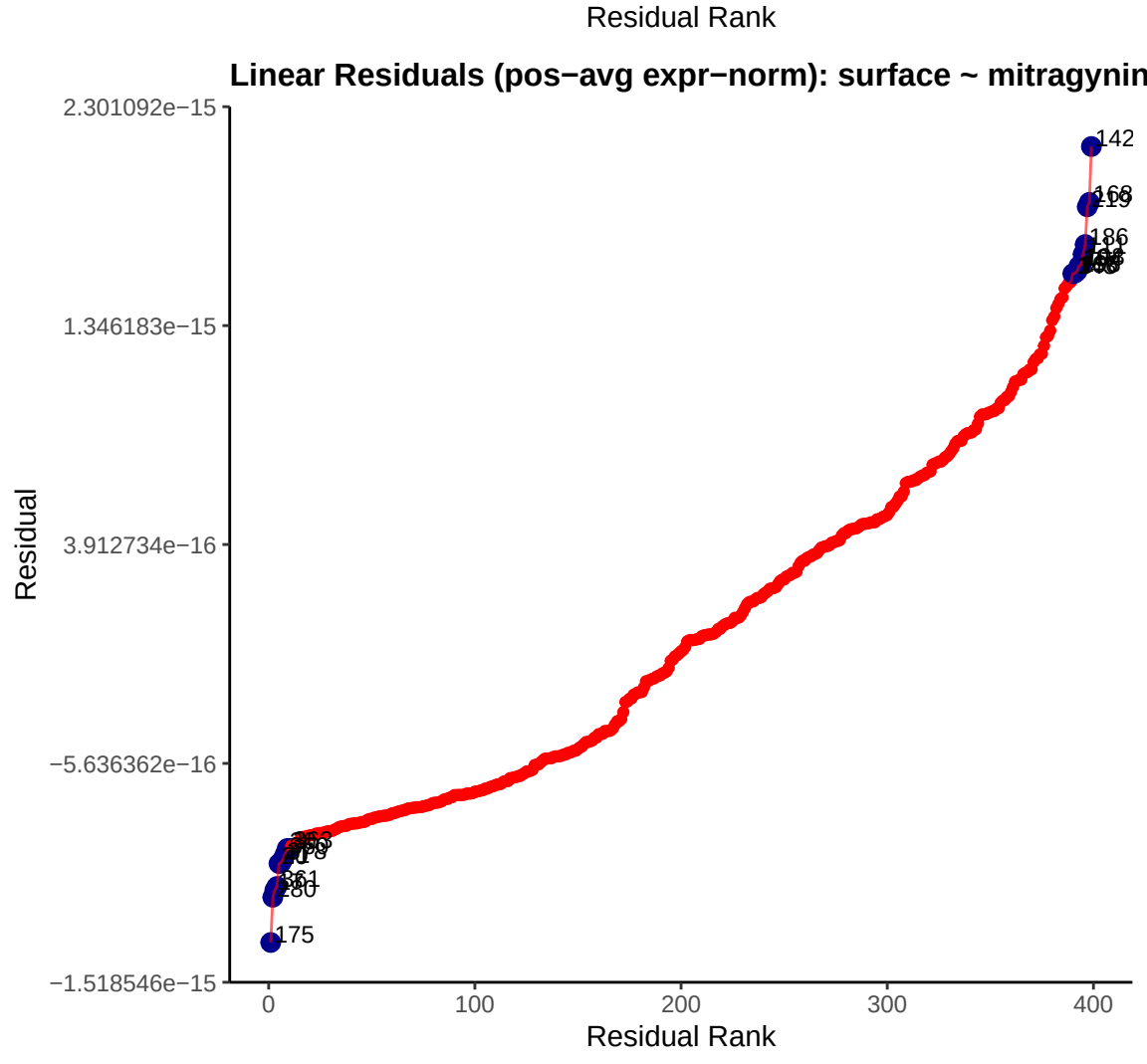

fentanyl vs mitragynine (Linear Models, Pos−Avg Expr−Norm)
R² = 0.482 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: mitragynine
Position−Averaged Expr−Norm: fentanyl
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.2
0.0
0.2
226
351
151
337
95
250
333
242
295
133
183
154
80
177
258
149
175
100
280


Linear Residuals (pos−avg expr−norm): mitragynine ~ fentanyl
Residual
Residual Rank
0.1
0.0
−0.1
0
100
200
300
400
242
151
333
183
149
258
100


fentanyl vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: fentanyl
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.4
−0.2
0.0
0.2
142
219
168
186
111
166
194
198
143
108
280
17
361
175


Linear Residuals (pos−avg expr−norm): surface ~ fentanyl
Residual
Residual Rank
2.308419e−15
1.364311e−15
4.202029e−16
−5.239053e−16
−1.468013e−15
0
100
200
300
400
142
186
175


mitragynine vs surface (Linear Models, Pos−Avg Expr−Norm)
R² = 0.001 | Red lines: synonymous mean ± SD | Blue: extreme residuals
Position−Averaged Expr−Norm: surface
Position−Averaged Expr−Norm: mitragynine
2.213964e−15
1.269407e−15
3.248498e−16
−6.197071e−16
−1.564264e−15
−0.3
−0.2
−0.1
0.0
0.1
142
168
186
111
108
280
17
361
175


Linear Residuals (pos−avg expr−norm): surface ~ mitragynin
Residual
Residual Rank
2.301092e−15
1.346183e−15
3.912734e−16
−5.636362e−16
−1.518546e−15
0
100
200
300
400
142
186
175