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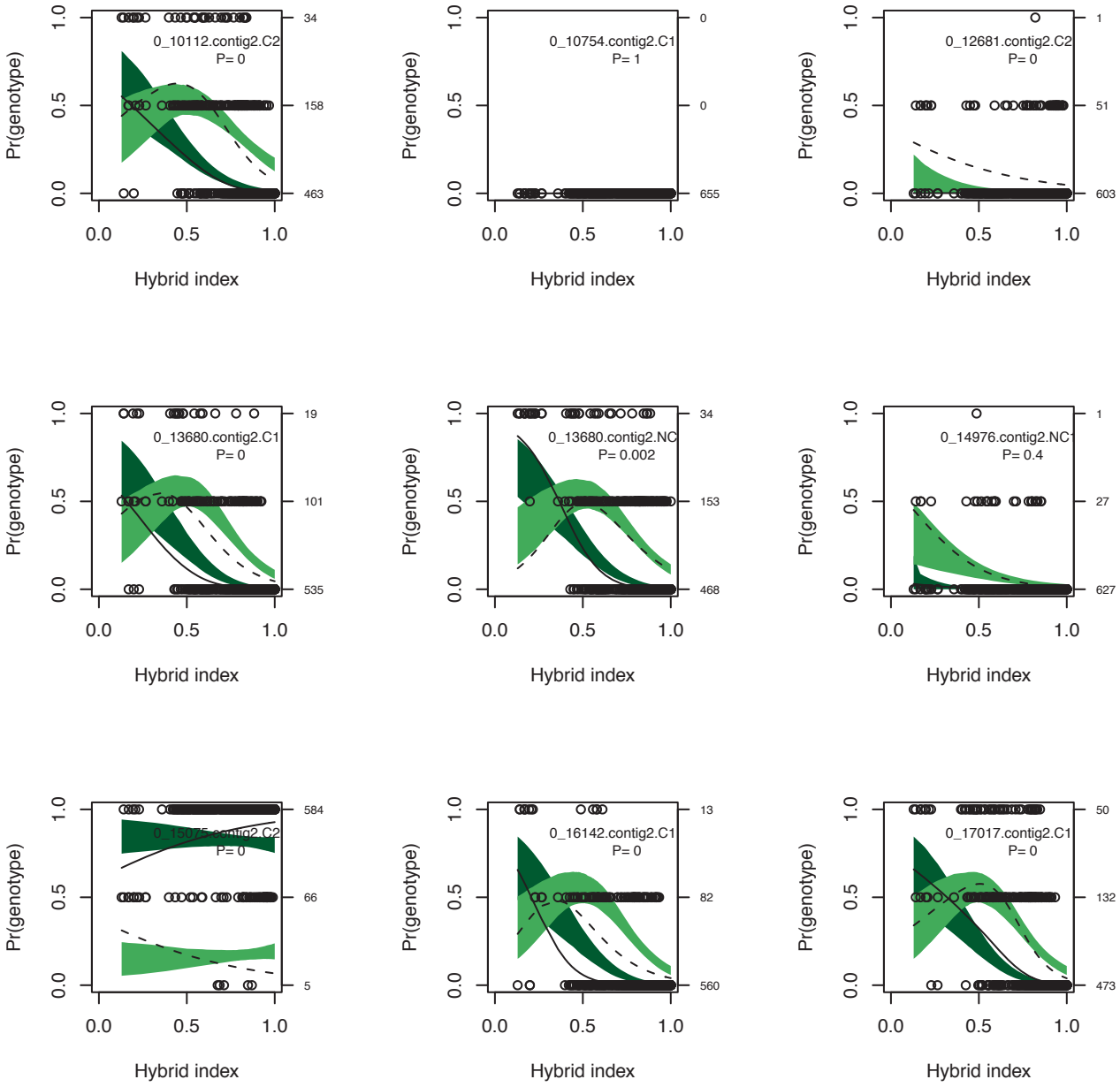
which should be cited to refer to this work.

Supporting Information – Figs S1 and S2

Figure S1 - Genomic clines for all loci indicating locus-specific patterns of introgression using the genome-wide estimate of admixture (hybrid index: 0=white spruce, 1=Sitka spruce) to estimate the probability of observing a particular genotype at that locus, *P*-values are provided in the right corner of the observed data under a model of neutral introgression. The 95% confidence envelope of the probability of the homozygous white spruce genotype (dark green) and the heterozygous genotype (light green) are based on 1000 neutral parametric simulations. Fitted genomic clines are observed for the homozygous white spruce genotype (solid line) and heterozygous genotype (dashed line), while open circles indicate observed genotypes; either white spruce (WW, top), heterozygous (WS, middle) or Sitka spruce (SS, bottom). The frequency of observed genotypes are indicated on the right of the panel.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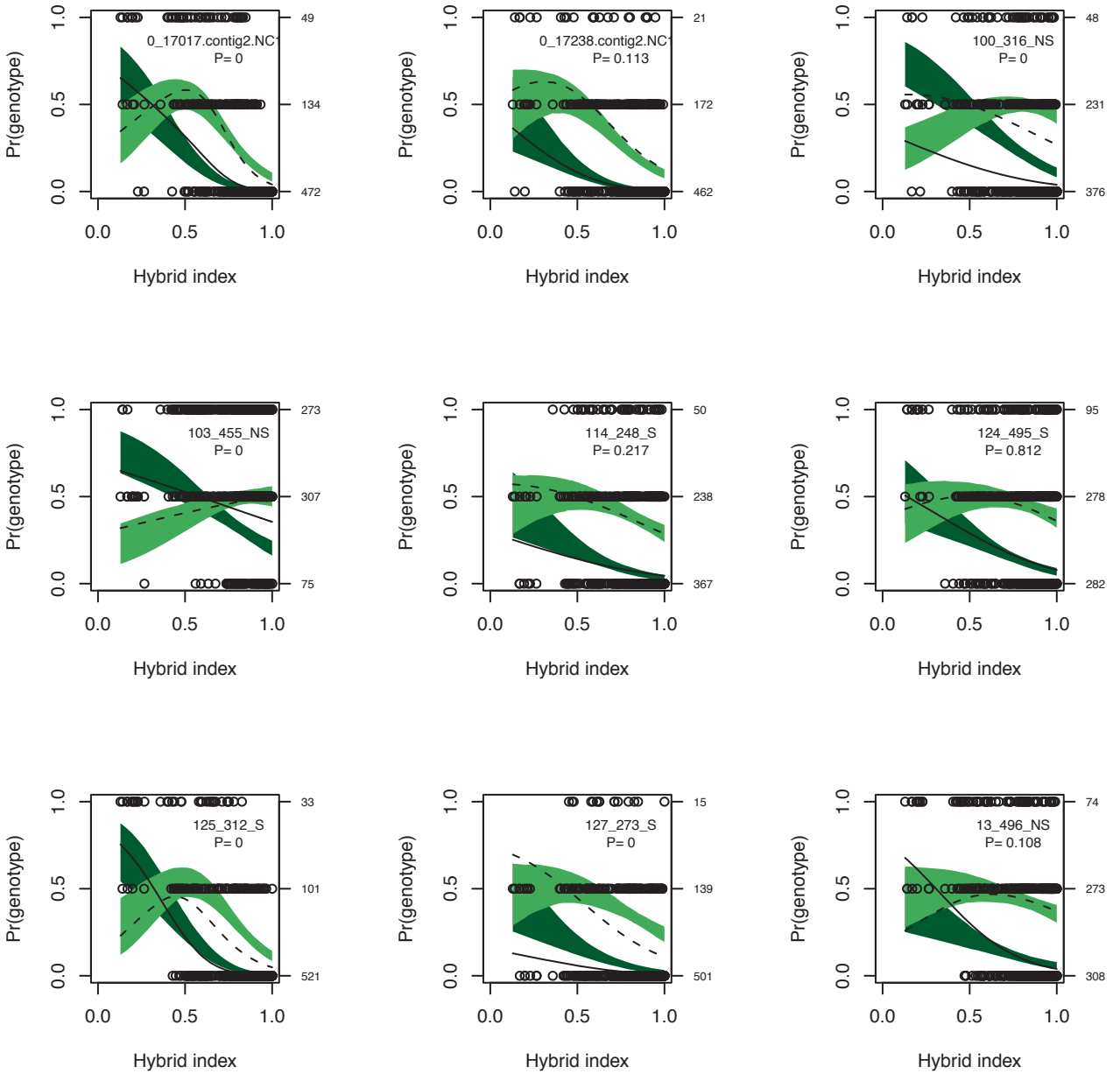
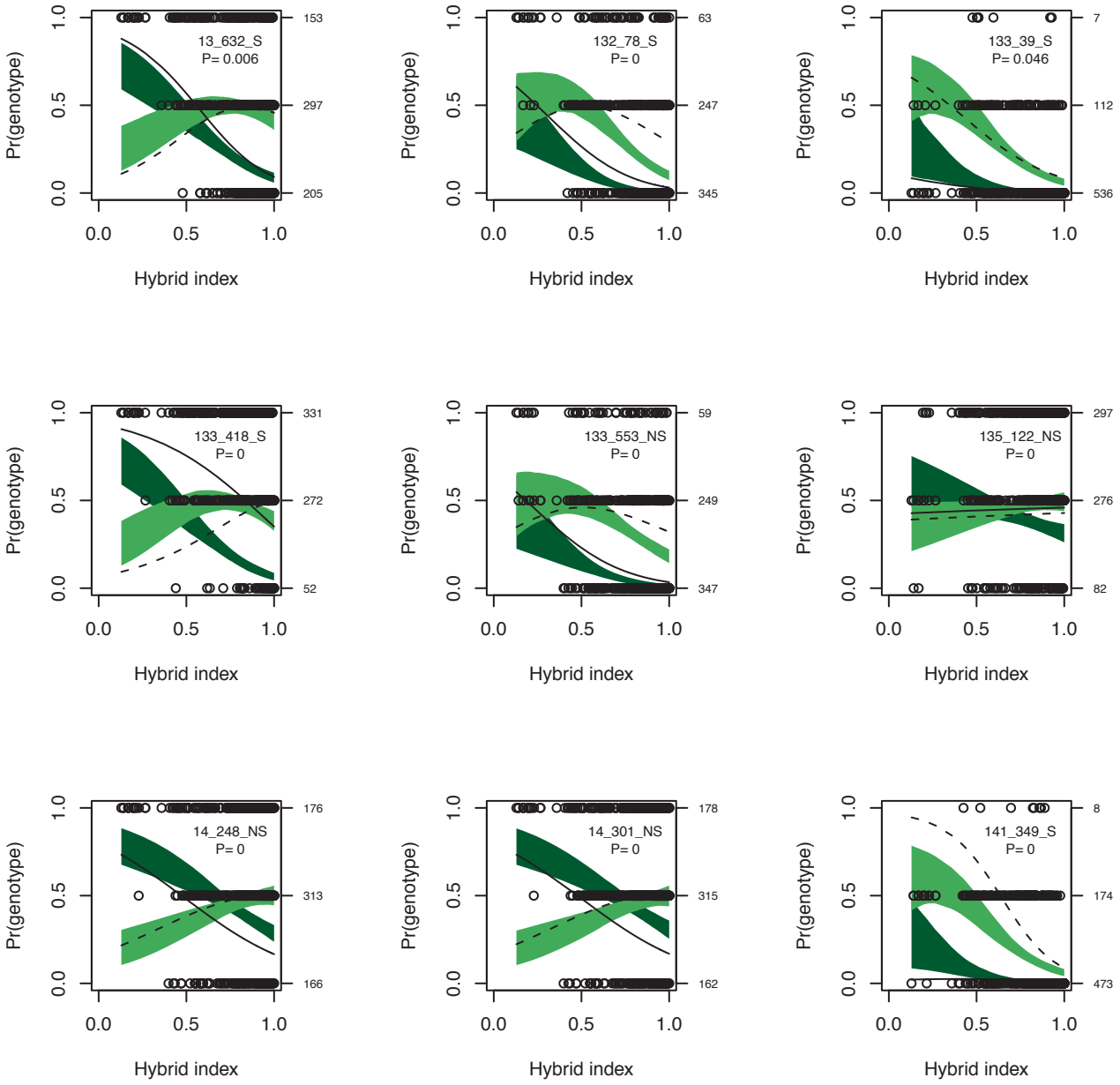
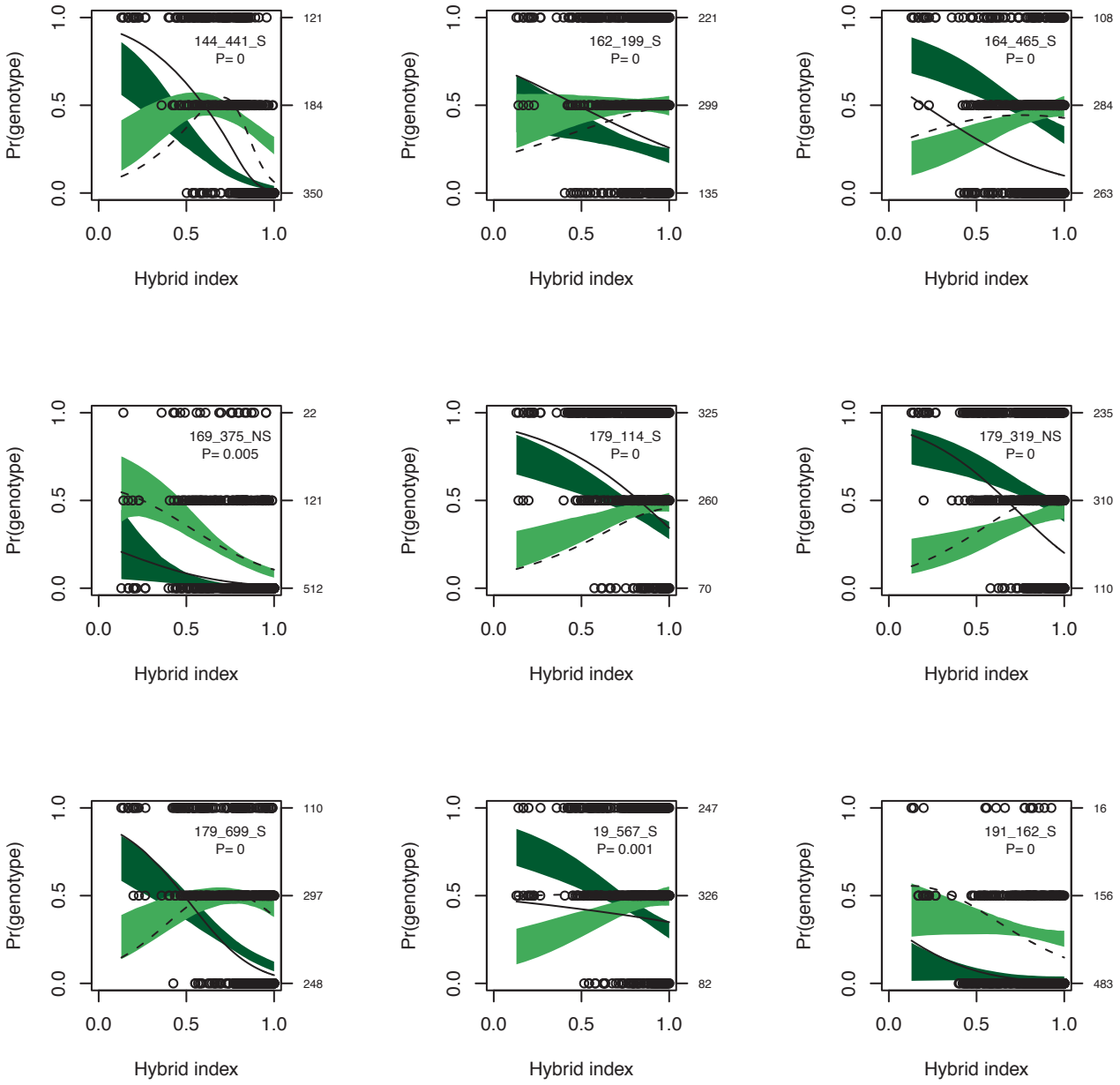
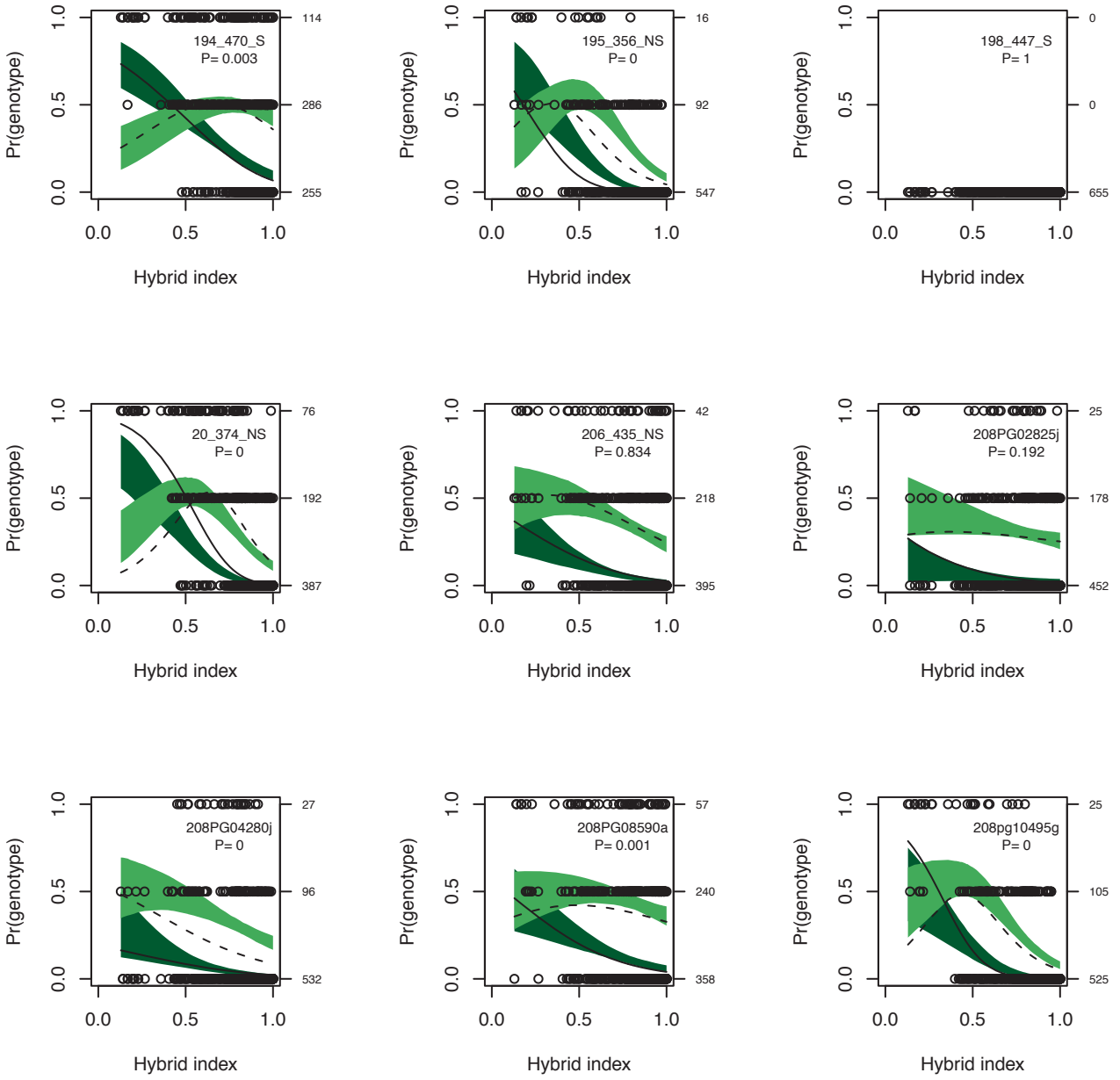
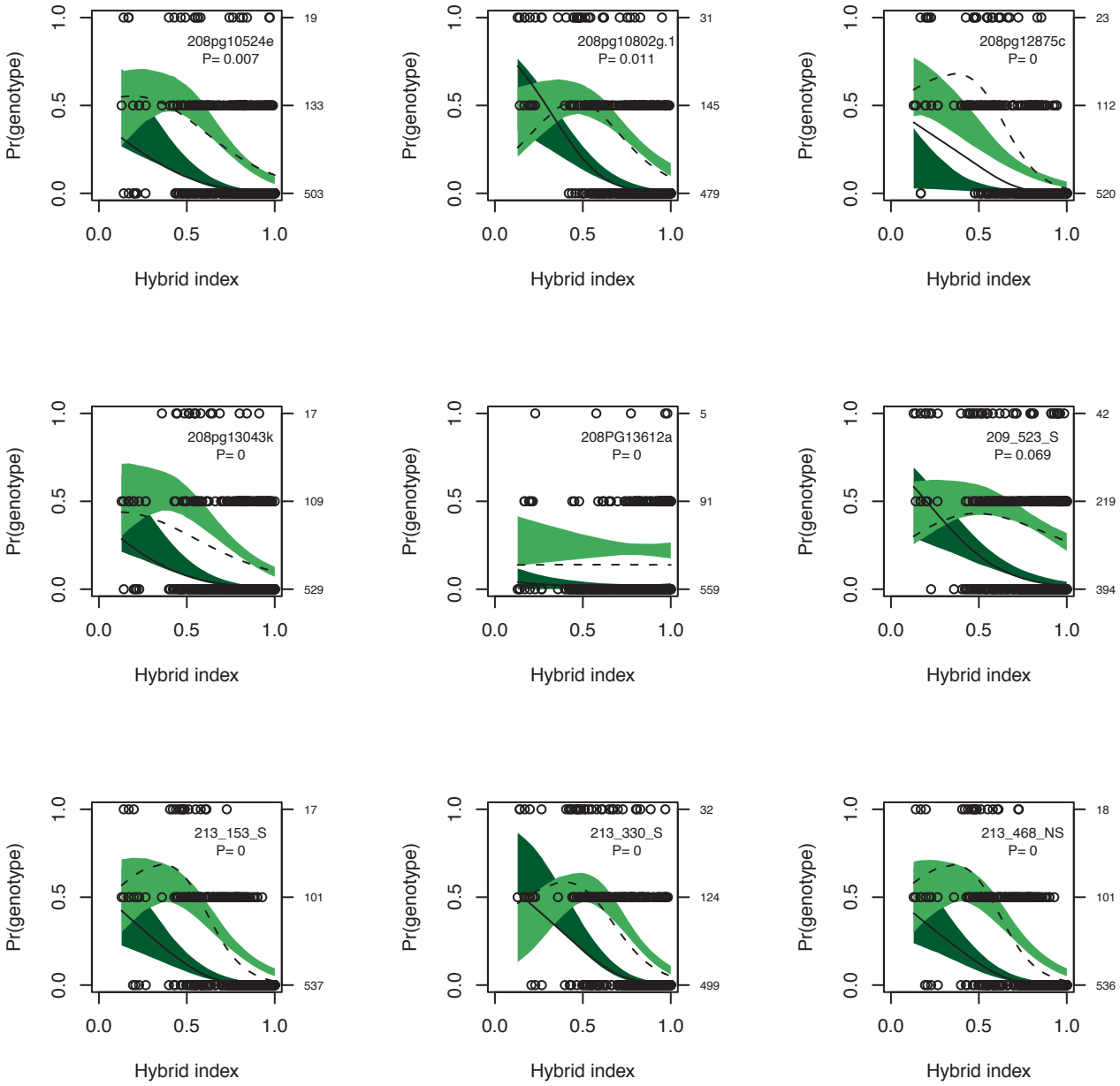
P= 0
0_10754.contig2.C1
P= 1
0_12681.contig2.C2
P= 0
0_13680.contig2.C1
P= 0
0_13680.contig2.NC
P= 0.002
0_14976.contig2.NC
P= 0.4
0_13075.contig2.C2
P= 0
0_16142.contig2.C1
P= 0
0_17017.contig2.C1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
34
158
463
0
0
655
1
51
603
19
101
535
34
153
468
1
27
627
584
66
5
13
82
560
50
132
473

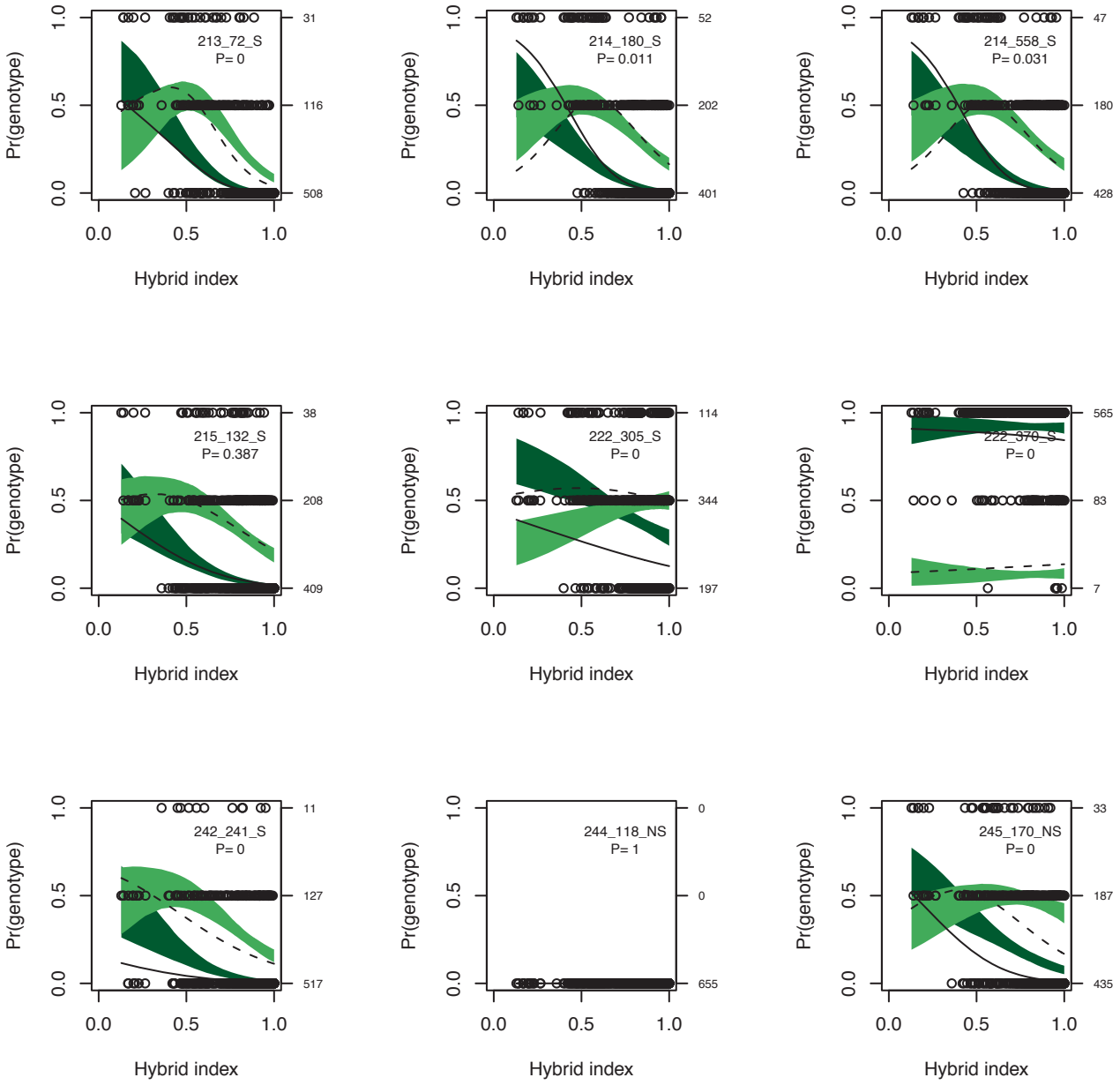

0_17017.contig2.NC
P= 0
0_17238.contig2.NC
P= 0.113
100_316_NS
P= 0
103_455_NS
P= 0
114_248_S
P= 0.217
124_495_S
P= 0.812
125_312_S
P= 0
127_273_S
P= 0
13_496_NS
P= 0.108
Pr(genotype)
Hybrid index
0.0
0.5
1.0
49
134
472
21
172
462
48
231
376
273
307
75
50
238
367
95
278
282
33
101
521
15
139
501
74
273
308


13_632_S
P= 0.006
132_78_S
P= 0
133_39_S
P= 0.046
133_418_S
P= 0
133_553_NS
P= 0
135_122_NS
P= 0
14_248_NS
P= 0
14_301_NS
P= 0
141_349_S
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
153
297
205
63
247
345
7
112
536
331
272
52
59
249
347
297
276
82
176
313
166
178
315
162
8
174
473


144_441_S
P= 0
162_199_S
P= 0
164_465_S
P= 0
169_375_NS
P= 0.005
179_114_S
P= 0
179_319_NS
P= 0
179_699_S
P= 0
19_567_S
P= 0.001
191_162_S
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
121
184
350
221
299
135
108
284
263
22
121
512
325
260
70
235
310
110
110
297
248
247
326
82
16
156
483


194_470_S
P= 0.003
195_356_NS
P= 0
198_447_S
P= 1
20_374_NS
P= 0
206_435_NS
P= 0.834
208PG02825j
P= 0.192
208PG04280j
P= 0
208PG08590a
P= 0.001
208pg10495g
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
114
286
255
16
92
547
0
0
655
76
192
387
42
218
395
25
178
452
27
96
532
57
240
358
25
105
525


208pg10524e
P= 0.007
19
133
503
208pg10802g.1
P= 0.011
31
145
479
208pg12875c
P= 0
23
112
520
208pg13043k
P= 0
17
109
529
208PG13612a
P= 0
5
91
559
209_523_S
P= 0.069
42
219
394
213_153_S
P= 0
17
101
537
213_330_S
P= 0
32
124
499
213_468_NS
P= 0
18
101
536
Pr(genotype)
Hybrid index
0.0
0.5
1.0


213_72_S
P= 0
31
116
508
214_180_S
P= 0.011
52
202
401
214_558_S
P= 0.031
47
180
428
215_132_S
P= 0.387
38
208
409
222_305_S
P= 0
114
344
197
222_370_S
P= 0
565
83
7
242_241_S
P= 0
11
127
517
244_118_NS
P= 1
0
0
655
245_170_NS
P= 0
33
187
435
Pr(genotype)
Hybrid index
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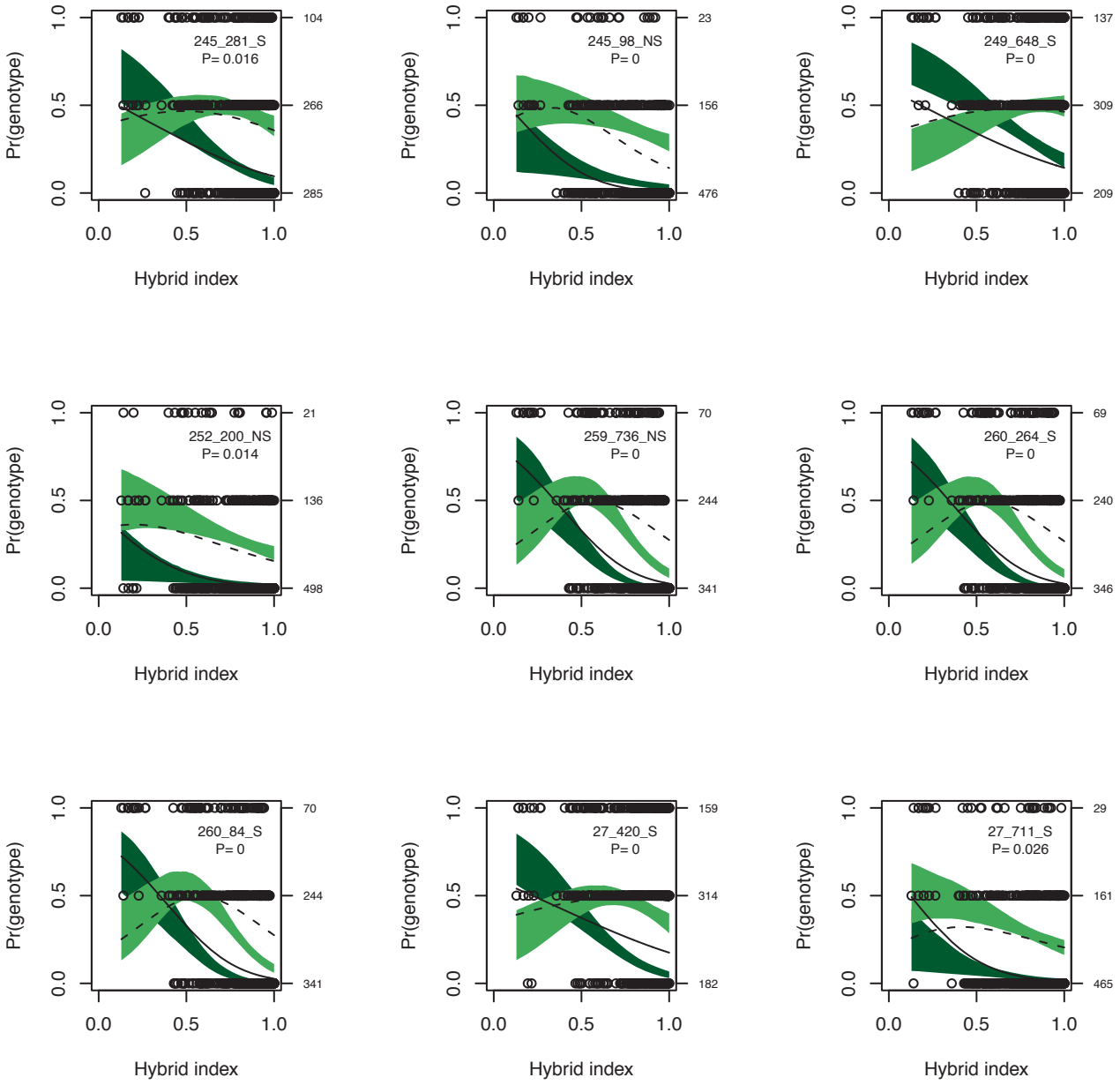
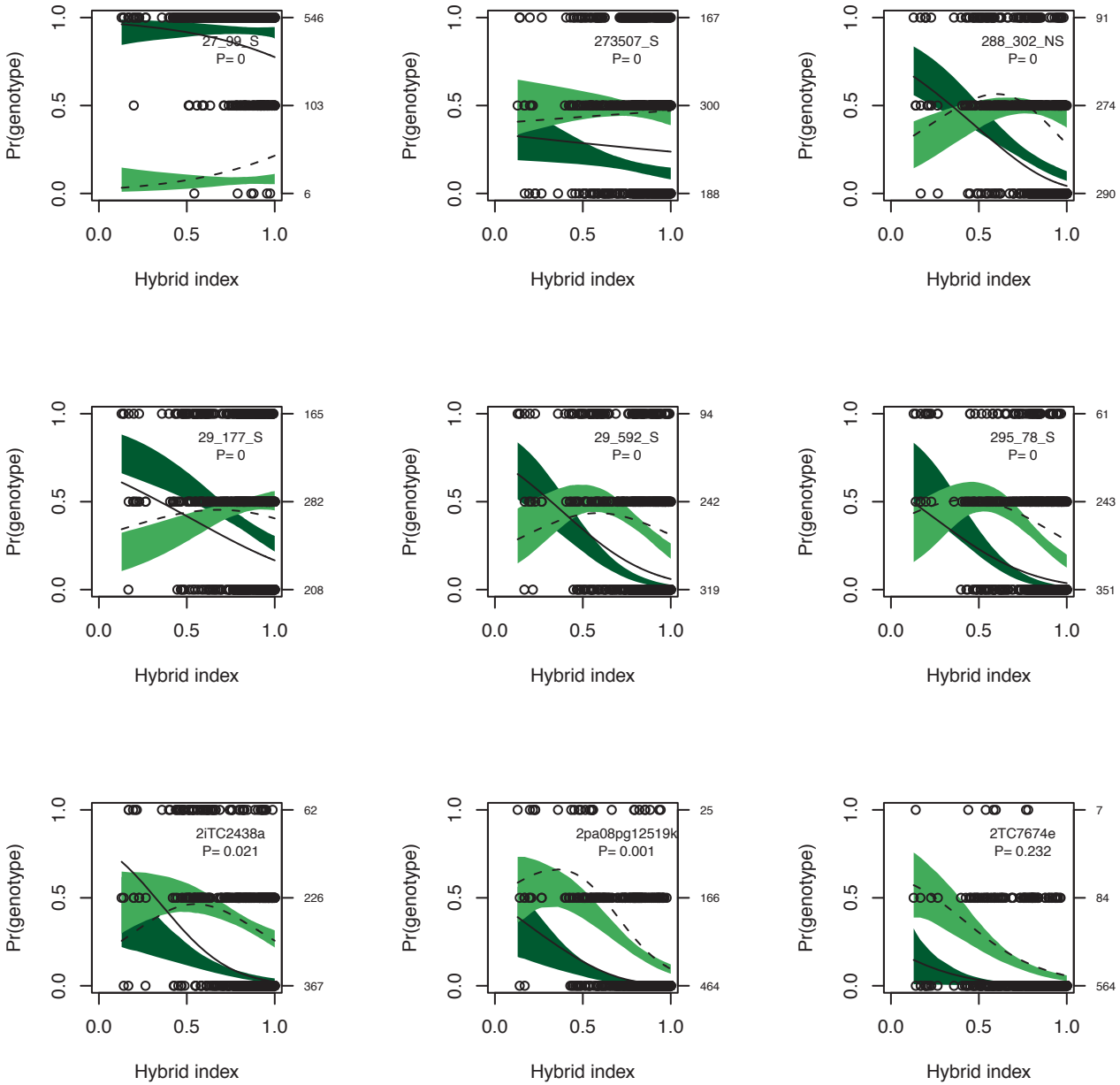
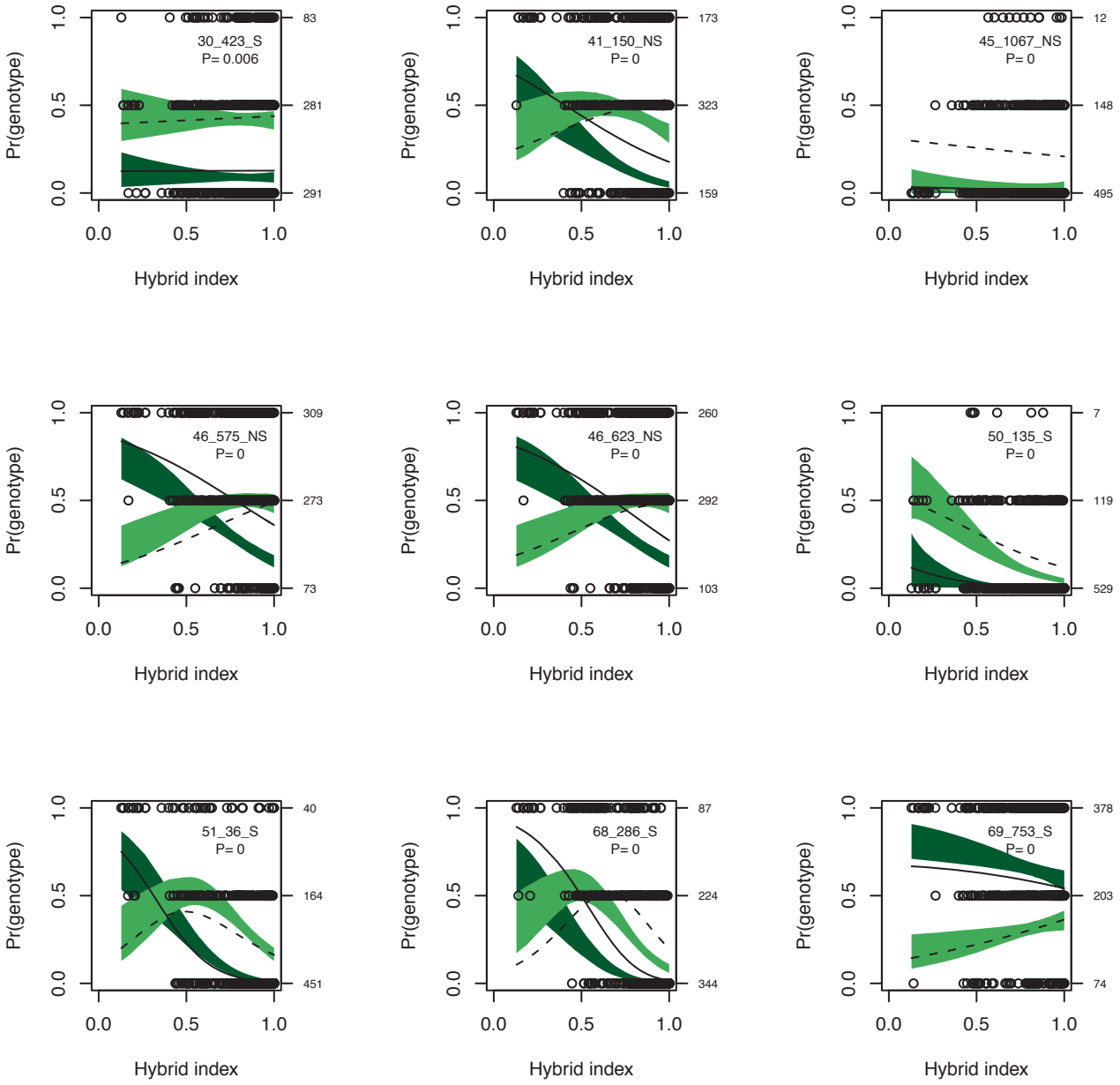
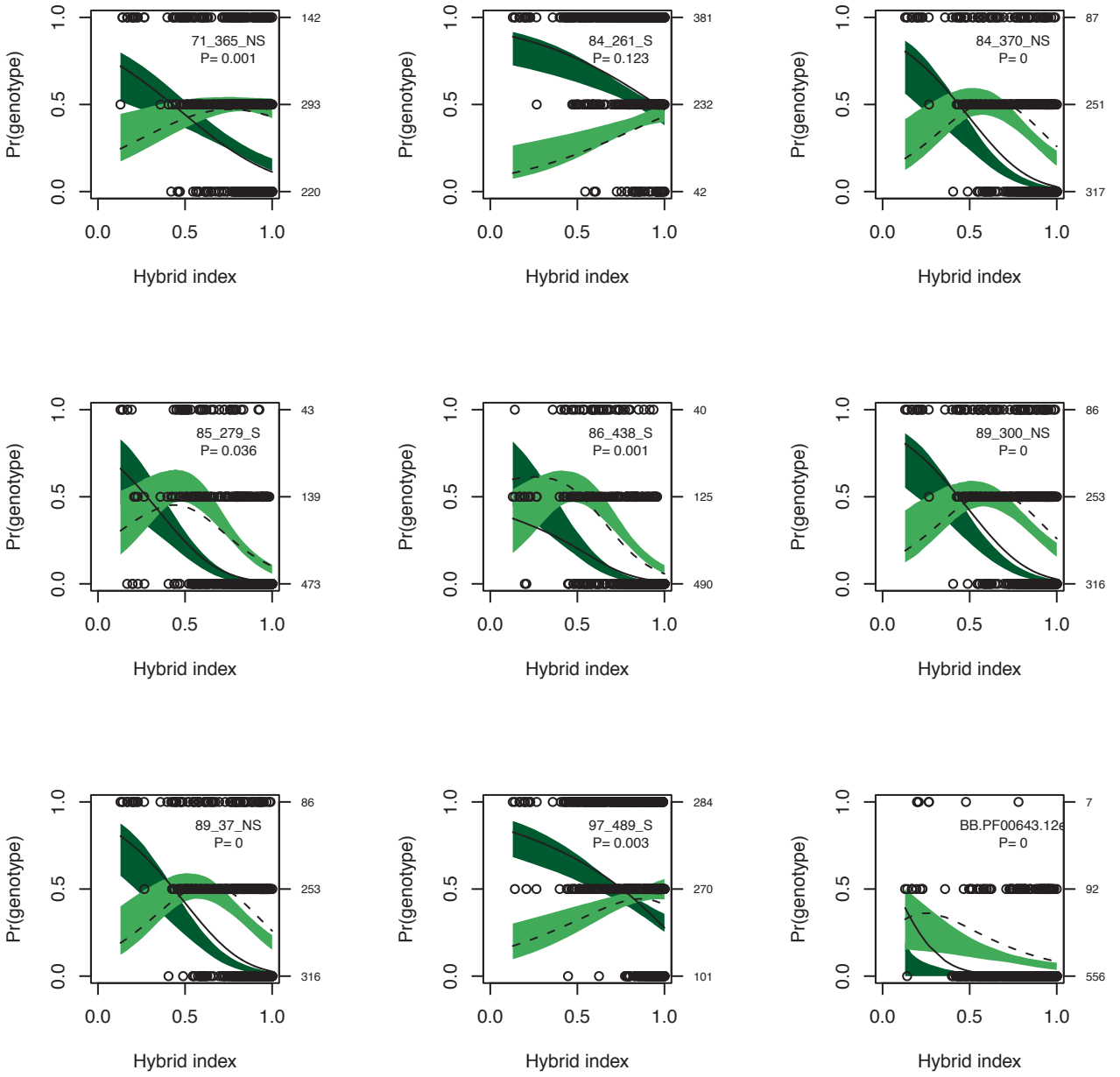
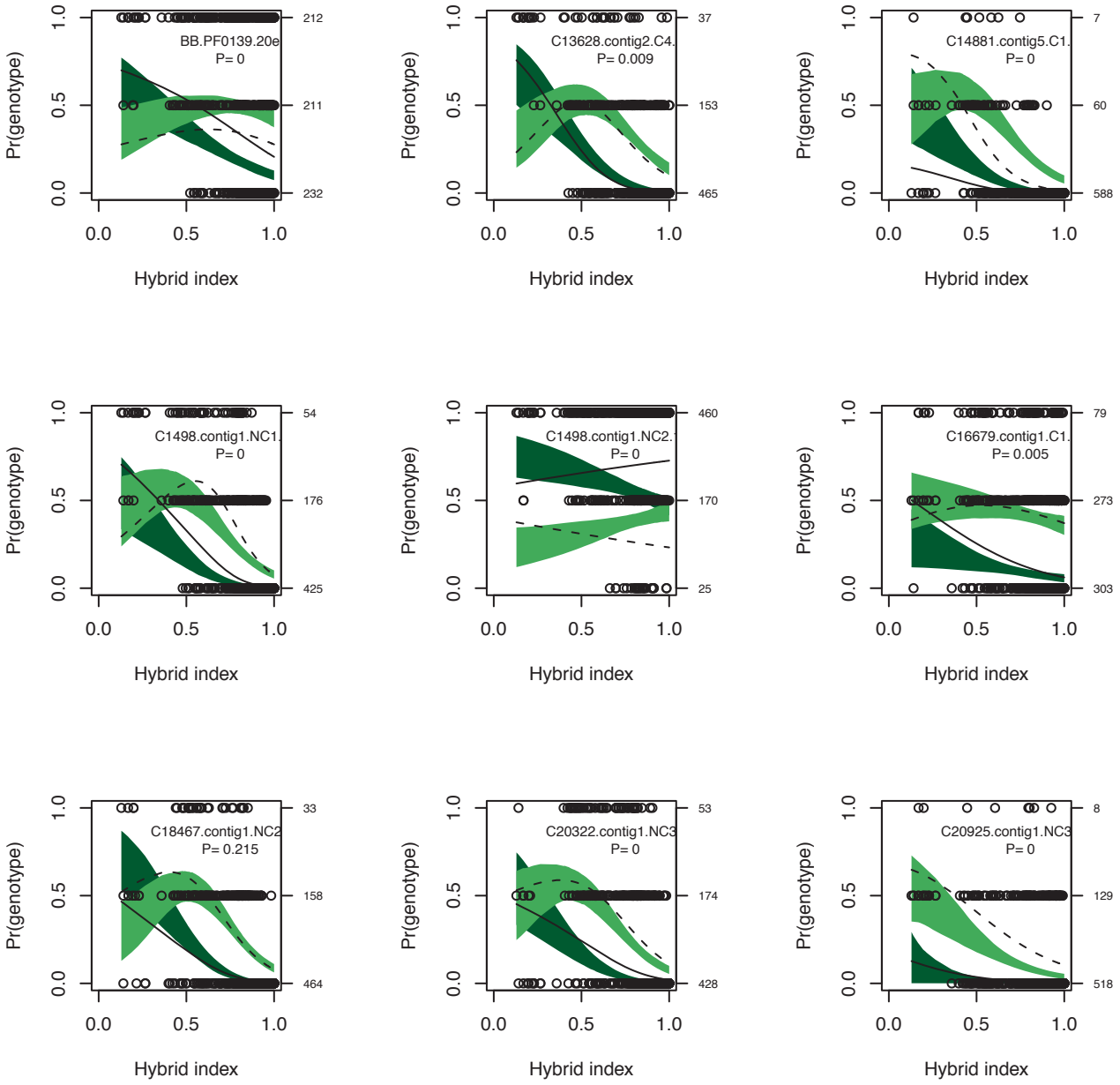
0.5
1.0


245_281_S
P= 0.016
245_98_NS
P= 0
249_648_S
P= 0
252_200_NS
P= 0.014
259_736_NS
P= 0
260_264_S
P= 0
260_84_S
P= 0
27_420_S
P= 0
27_711_S
P= 0.026
Pr(genotype)
Hybrid index
0.0
0.5
1.0
104
266
285
23
156
476
137
309
209
21
136
498
70
244
341
69
240
346
70
244
341
159
314
182
29
161
465


27_99_S
P= 0
273507_S
P= 0
288_302_NS
P= 0
29_177_S
P= 0
29_592_S
P= 0
295_78_S
P= 0
2iTC2438a
P= 0.021
2pa08pg12519k
P= 0.001
2TC7674e
P= 0.232
Pr(genotype)
Hybrid index
0.0
0.5
1.0
546
103
6
167
300
188
91
274
290
165
282
208
94
242
319
61
243
351
62
226
367
25
166
464
7
84
564


30_423_S
P= 0.006
41_150_NS
P= 0
45_1067_NS
P= 0
46_575_NS
P= 0
46_623_NS
P= 0
50_135_S
P= 0
51_36_S
P= 0
68_286_S
P= 0
69_753_S
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
83
281
291
173
323
159
12
148
495
309
273
73
260
292
103
7
119
529
40
164
451
87
224
344
378
203
74


71_365_NS
P= 0.001
84_261_S
P= 0.123
84_370_NS
P= 0
85_279_S
P= 0.036
86_438_S
P= 0.001
89_300_NS
P= 0
89_37_NS
P= 0
97_489_S
P= 0.003
BB.PF00643.12e
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
142
293
220
381
232
42
87
251
317
43
139
473
40
125
490
86
253
316
86
253
316
284
270
101
7
92
556


BB.PF0139.20e
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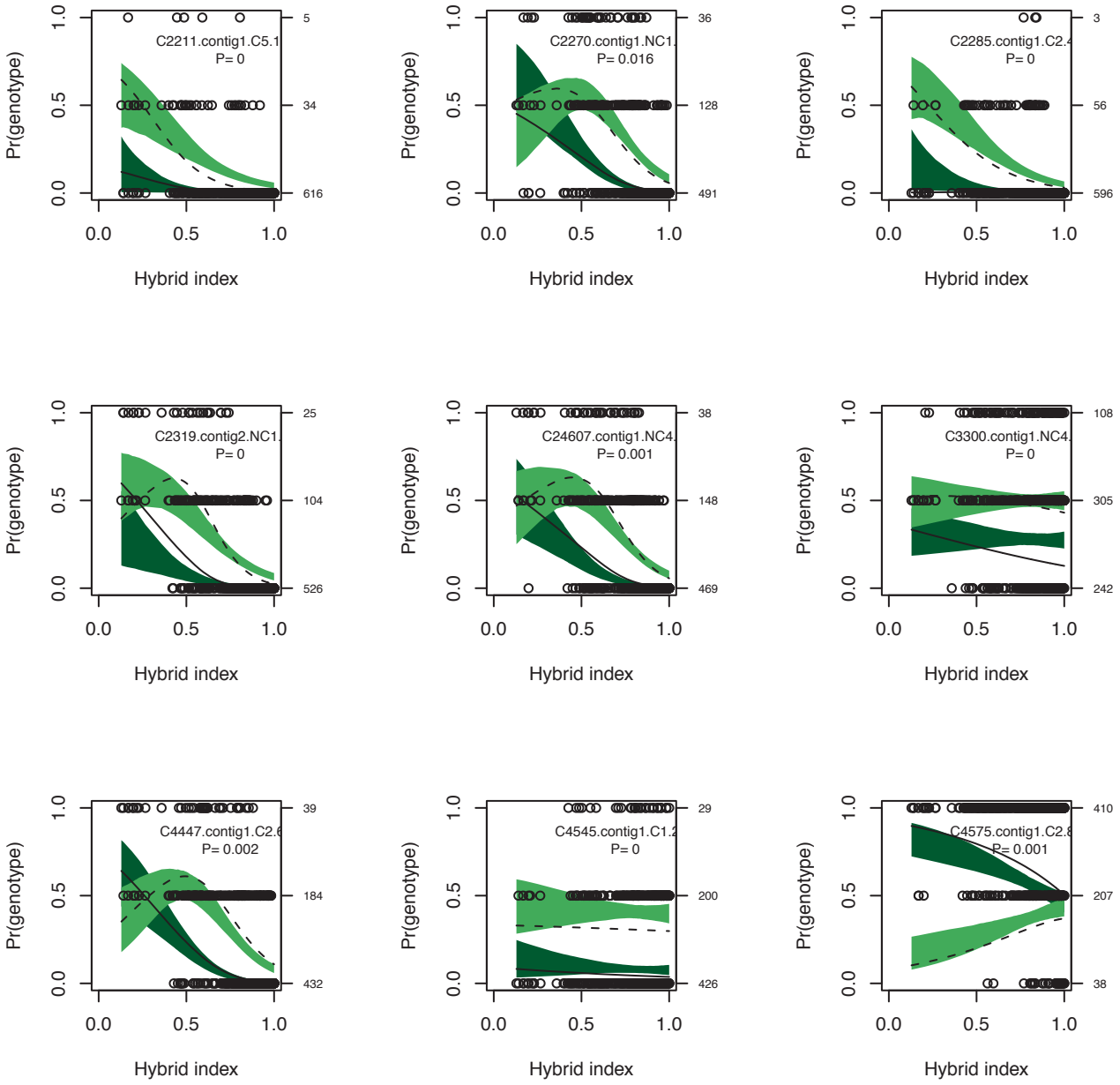
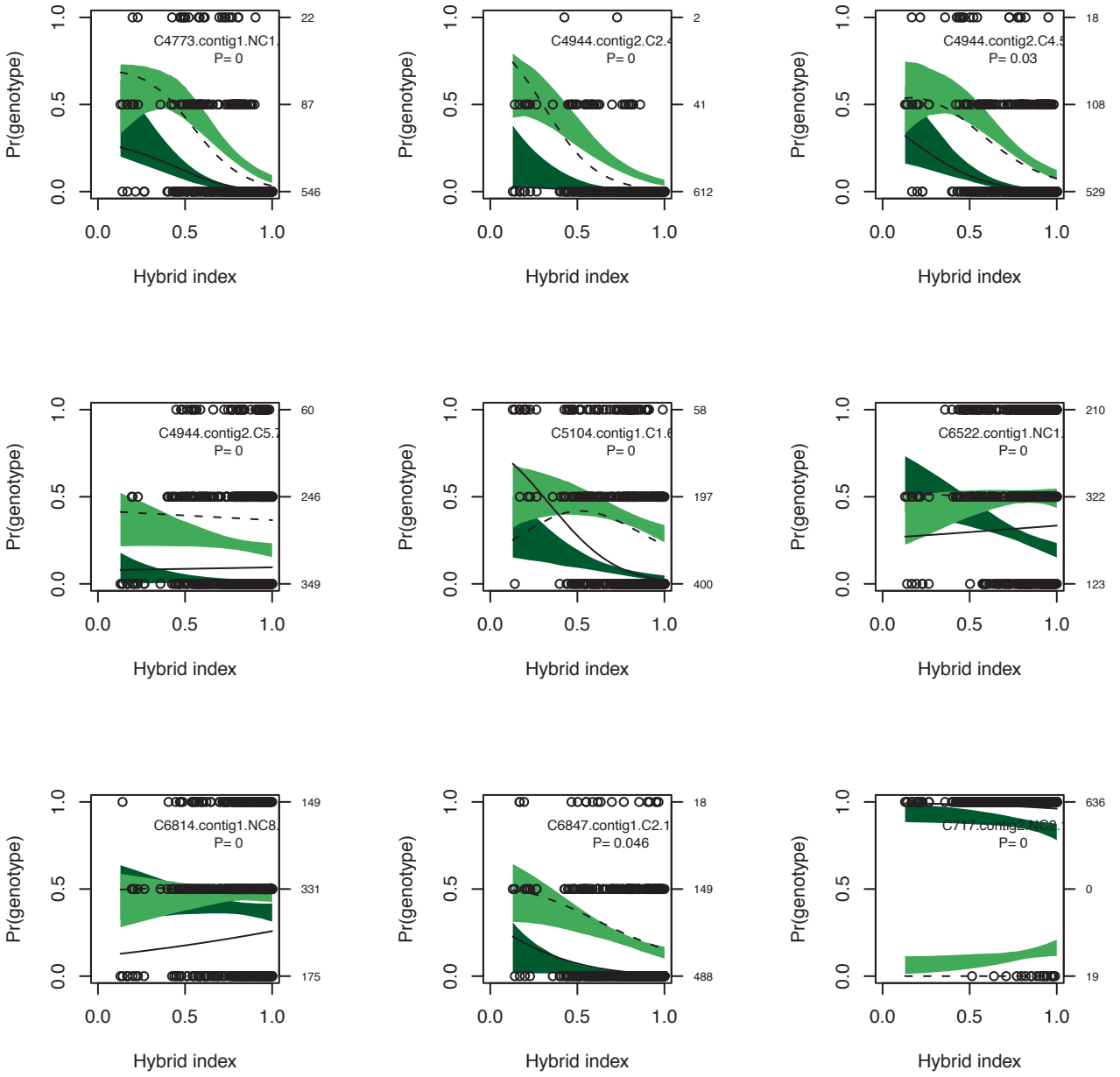
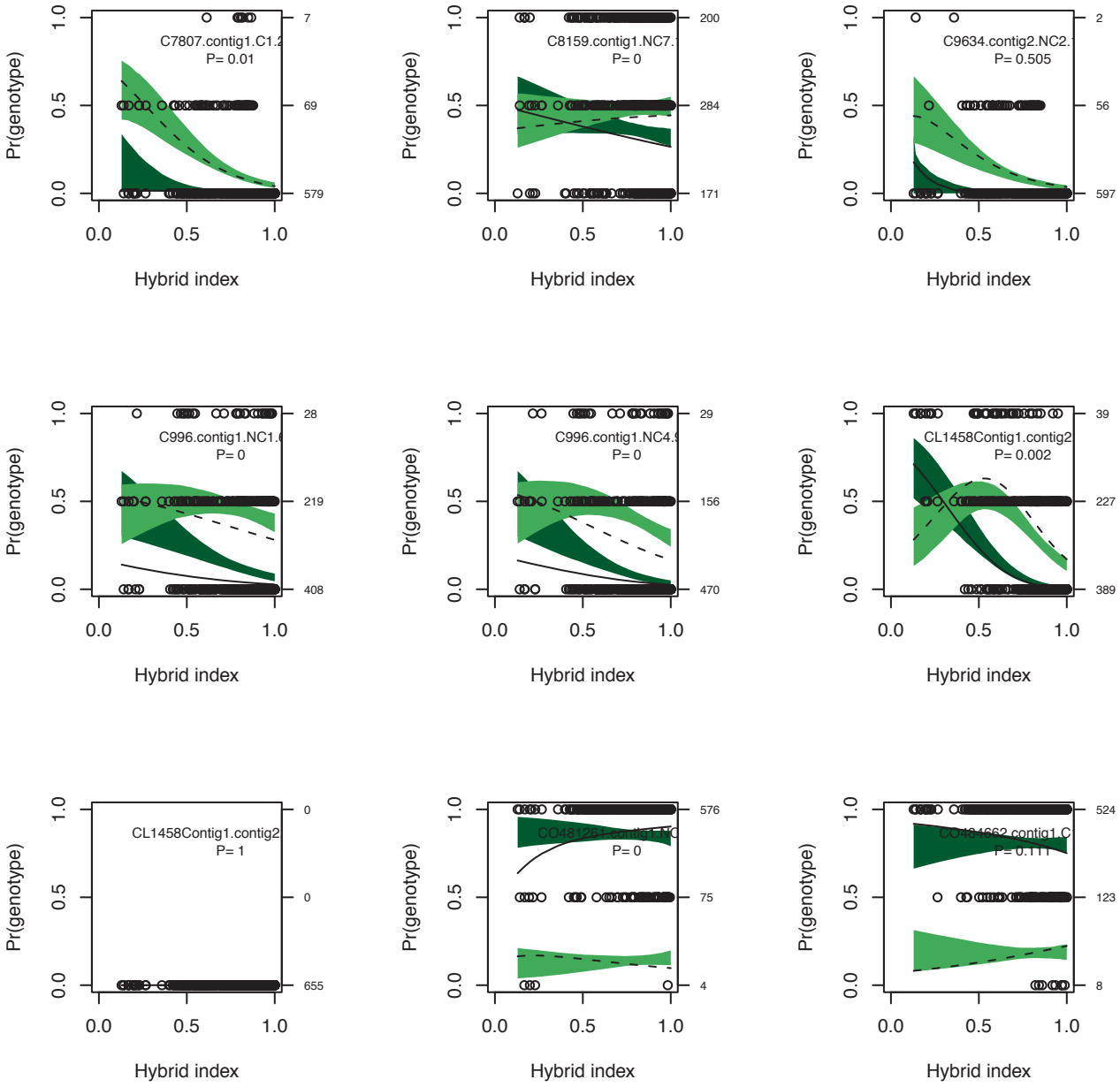
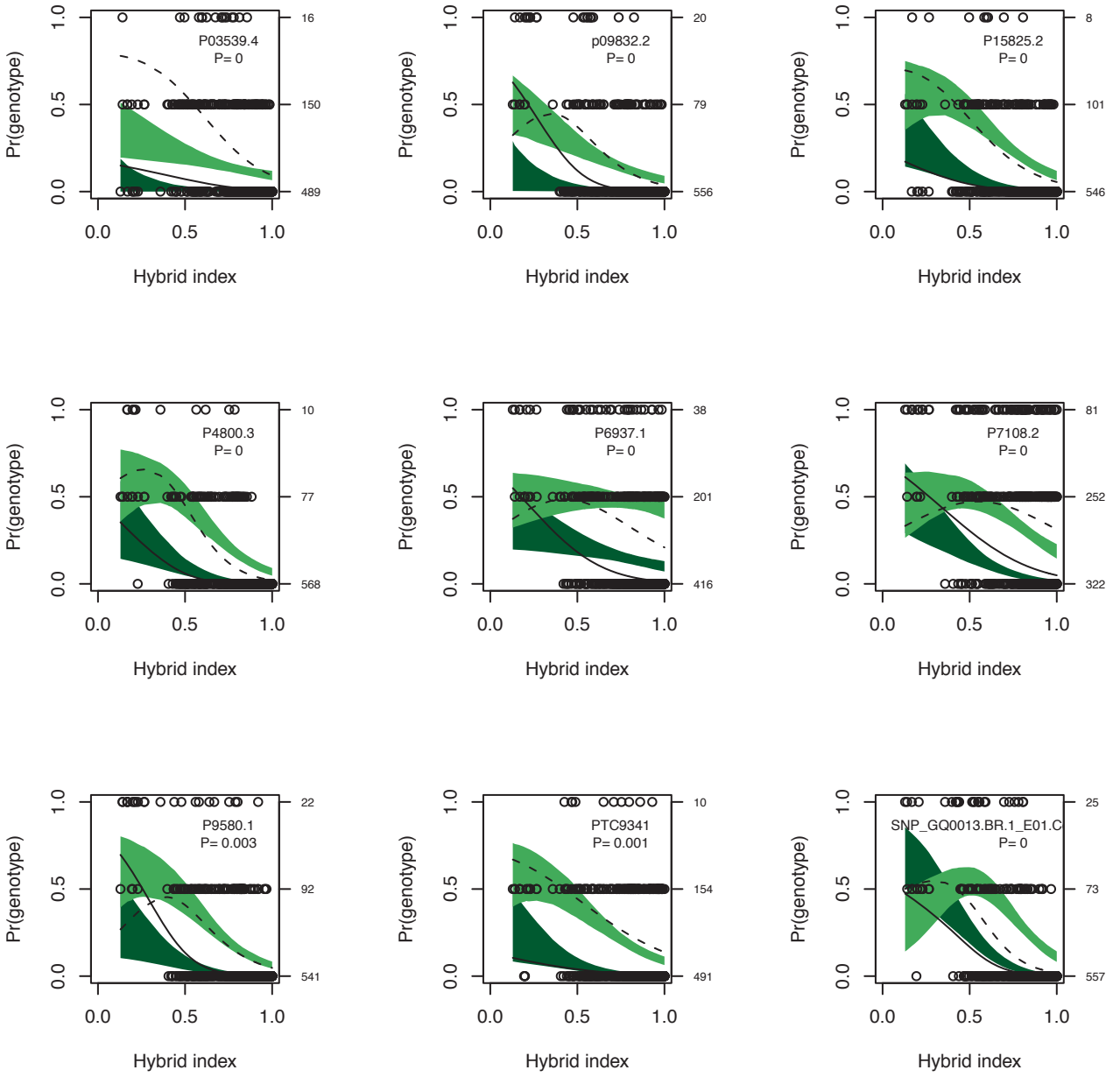
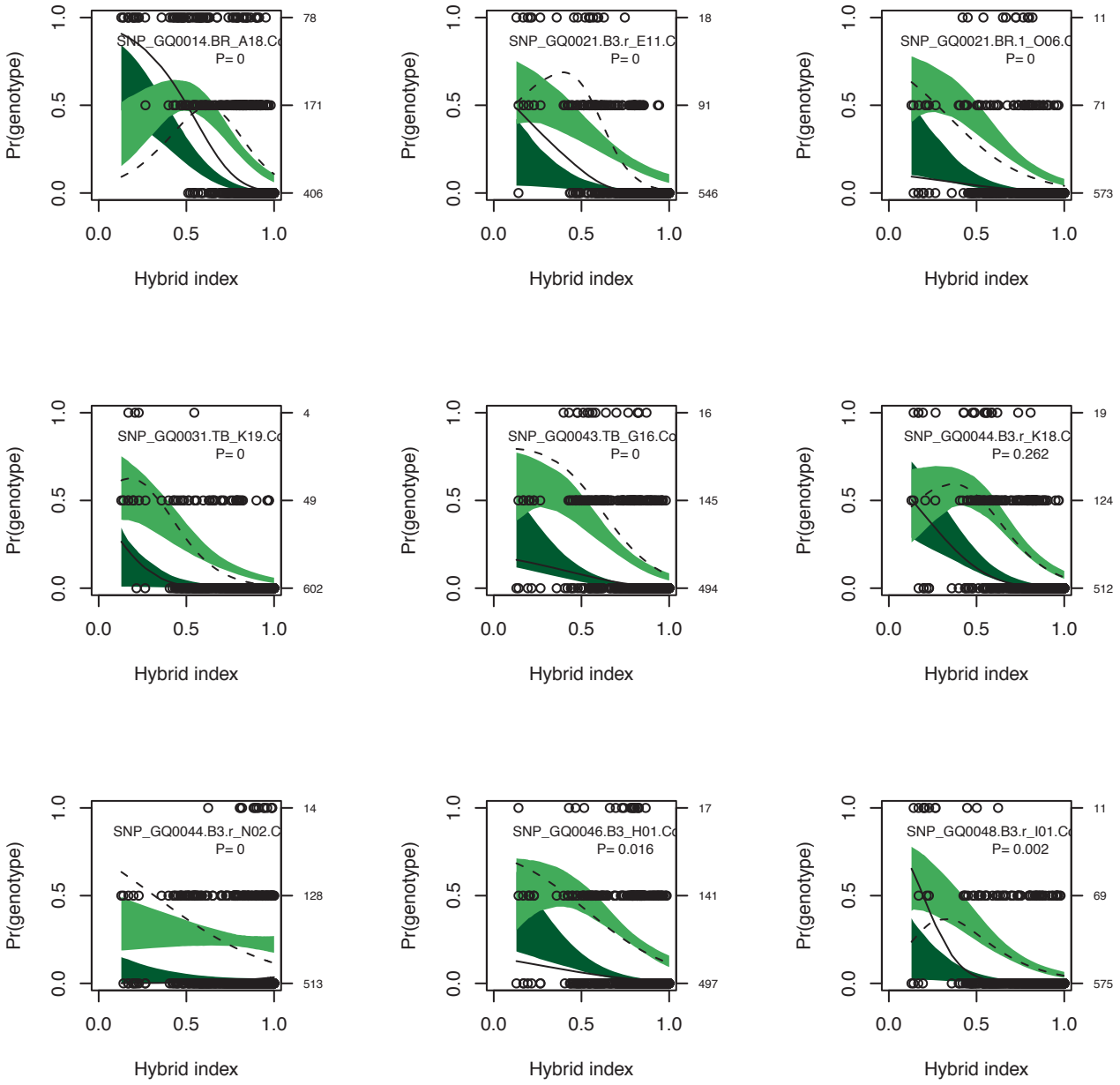
C13628.contig2.C4.
P= 0.009
C14881.contig5.C1.
P= 0
C1498.contig1.NC1.
P= 0
C1498.contig1.NC2.
P= 0
C16679.contig1.C1.
P= 0.005
C18467.contig1.NC2
P= 0.215
C20322.contig1.NC3
P= 0
C20925.contig1.NC3
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
212
211
232
37
153
465
7
60
588
54
176
425
460
170
25
79
273
303
33
158
464
53
174
428
8
129
518

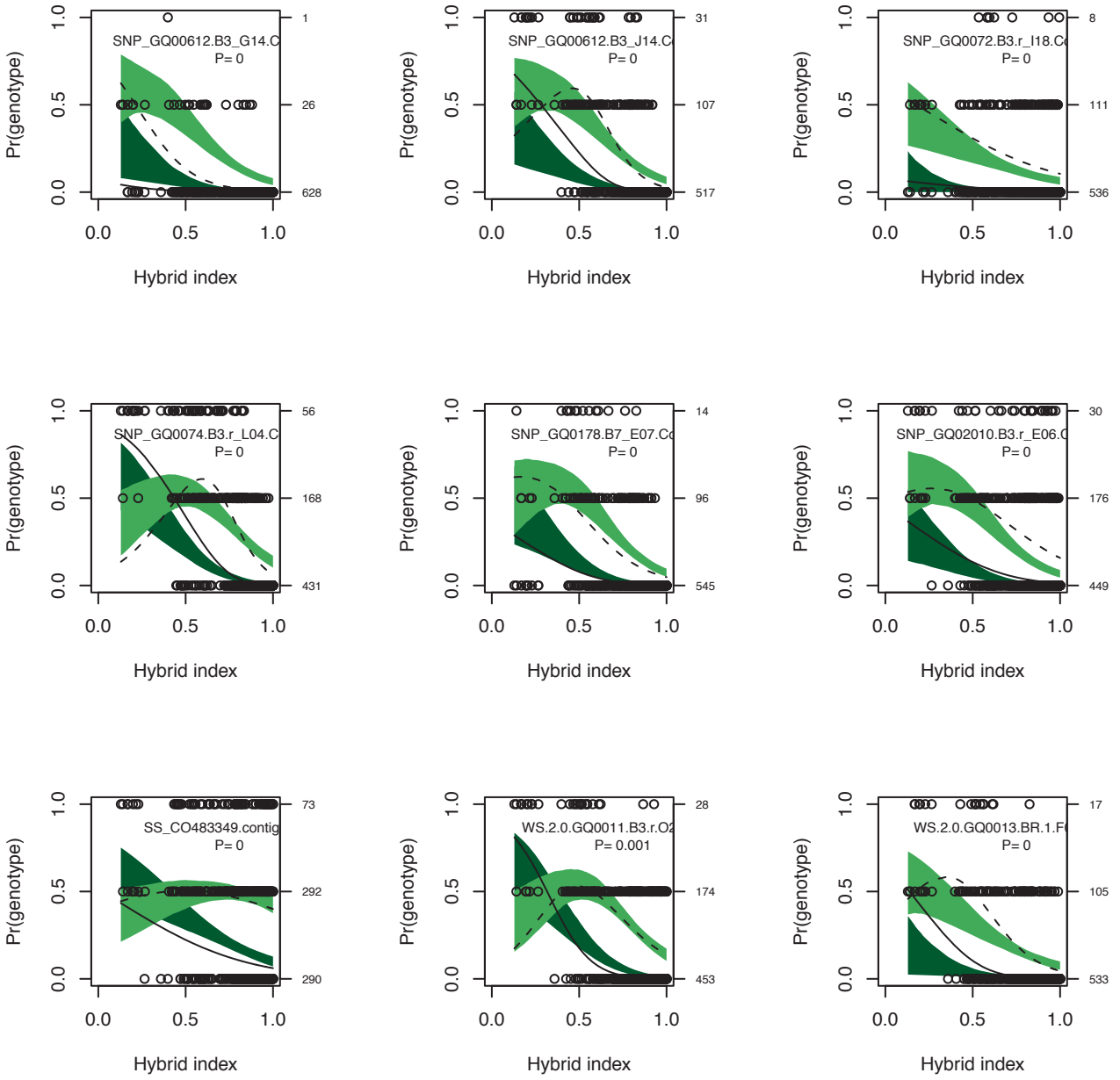

C2211.contig1.C5.1
P= 0
C2270.contig1.NC1.
P= 0.016
C2285.contig1.C2.4
P= 0
C2319.contig2.NC1.
P= 0
C24607.contig1.NC4.
P= 0.001
C3300.contig1.NC4.
P= 0
C4447.contig1.C2.6
P= 0.002
C4545.contig1.C1.2
P= 0
C4575.contig1.C2.8
P= 0.001
Pr(genotype)
Hybrid index
0.0
0.5
1.0
5
34
616
36
128
491
3
56
596
25
104
526
38
148
469
108
305
242
39
184
432
29
200
426
410
207
38


C4773.contig1.NC1.
P= 0
C4944.contig2.C2.4
P= 0
C4944.contig2.C4.5
P= 0.03
C4944.contig2.C5.7
P= 0
C5104.contig1.C1.6
P= 0
C6522.contig1.NC1.
P= 0
C6814.contig1.NC8.
P= 0
C6847.contig1.C2.1
P= 0.046
C717.contig2.NC9.
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
22
87
546
2
41
612
18
108
529
60
246
349
58
197
400
210
322
123
149
331
175
18
149
488
636
0
19


C7807.contig1.C1.2
P= 0.01
C8159.contig1.NC7.
P= 0
C9634.contig2.NC2.
P= 0.505
C996.contig1.NC1.
P= 0
C996.contig1.NC4.
P= 0
CL1458Contig1.contig2
P= 0.002
CL1458Contig1.contig2
P= 1
P= 0
P= 0.111
Pr(genotype)
Hybrid index
0.0
0.5
1.0
7
69
579
200
284
171
2
56
597
28
219
408
29
156
470
39
227
389
0
0
655
576
75
4
524
123
8


P03539.4
P= 0
16
150
489
p09832.2
P= 0
20
79
556
P15825.2
P= 0
8
101
546
P4800.3
P= 0
10
77
568
P6937.1
P= 0
38
201
416
P7108.2
P= 0
81
252
322
P9580.1
P= 0.003
22
92
541
PTC9341
P= 0.001
10
154
491
SNP_GQ0013.BR.1_E01.C
P= 0
25
73
557
Pr(genotype)
0.0
0.5
1.0
Hybrid index


SNP_GQ0014.BR_A18.Co
P= 0
78
171
406
SNP_GQ0021.B3.r_E11.C
P= 0
18
91
546
SNP_GQ0021.BR.1_O06.C
P= 0
11
71
573
SNP_GQ0031.TB_K19.Co
P= 0
4
49
602
SNP_GQ0043.TB_G16.Co
P= 0
16
145
494
SNP_GQ0044.B3.r_K18.C
P= 0.262
19
124
512
SNP_GQ0044.B3.r_N02.C
P= 0
14
128
513
SNP_GQ0046.B3_H01.Co
P= 0.016
17
141
497
SNP_GQ0048.B3.r_I01.Co
P= 0.002
11
69
575
Pr(genotype)
Hybrid index
0.0
0.5
1.0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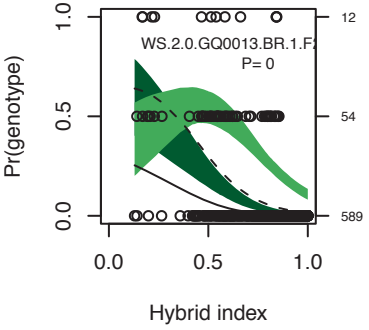
P= 0
SNP_GQ00612.B3_J14.C
P= 0
SNP_GQ0072.B3.r_I18.C
P= 0
SNP_GQ0074.B3.r_L04.C
P= 0
SNP_GQ0178.B7_E07.C
P= 0
SNP_GQ02010.B3.r_E06.C
P= 0
SS_CO483349.contig
P= 0
WS.2.0.GQ0011.B3.r.O2
P= 0.001
WS.2.0.GQ0013.BR.1.F
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
1
26
628
31
107
517
8
111
536
56
168
431
14
96
545
30
176
449
73
292
290
28
174
453
17
105
533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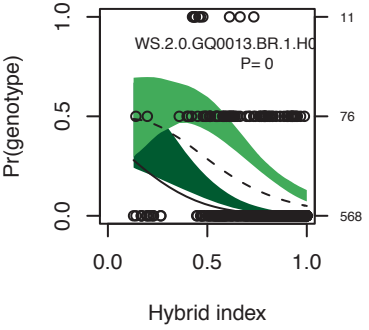
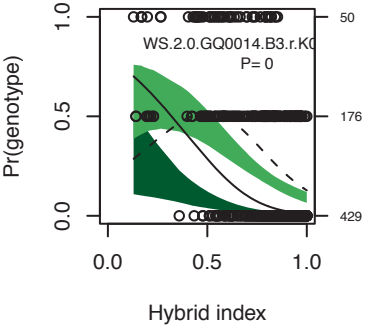
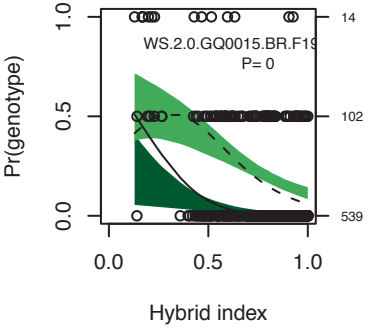
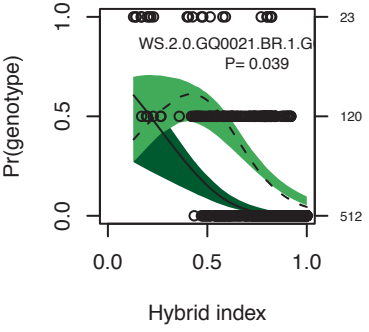
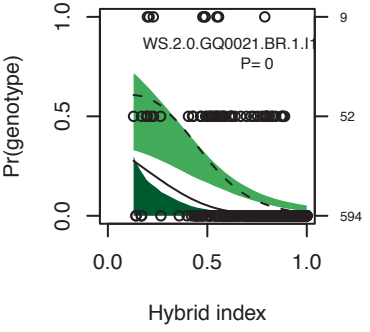
Pr(genotype)
Hybrid index
12
54
589

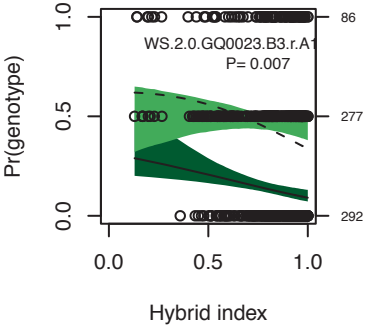

WS.2.0.GQ0013.BR.1.H
P= 0
Pr(genotype)
Hybrid index
11
76
568

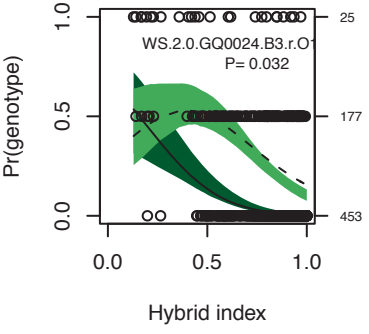

WS.2.0.GQ0014.B3.r.K
P= 0
Pr(genotype)
Hybrid index
50
176
429

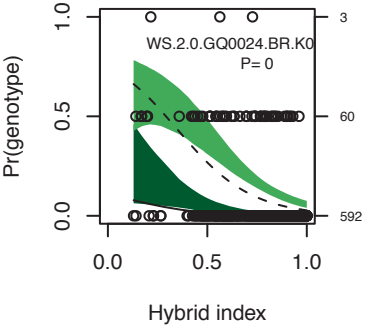

WS.2.0.GQ0015.BR.F1
P= 0
Pr(genotype)
Hybrid index
14
102
539

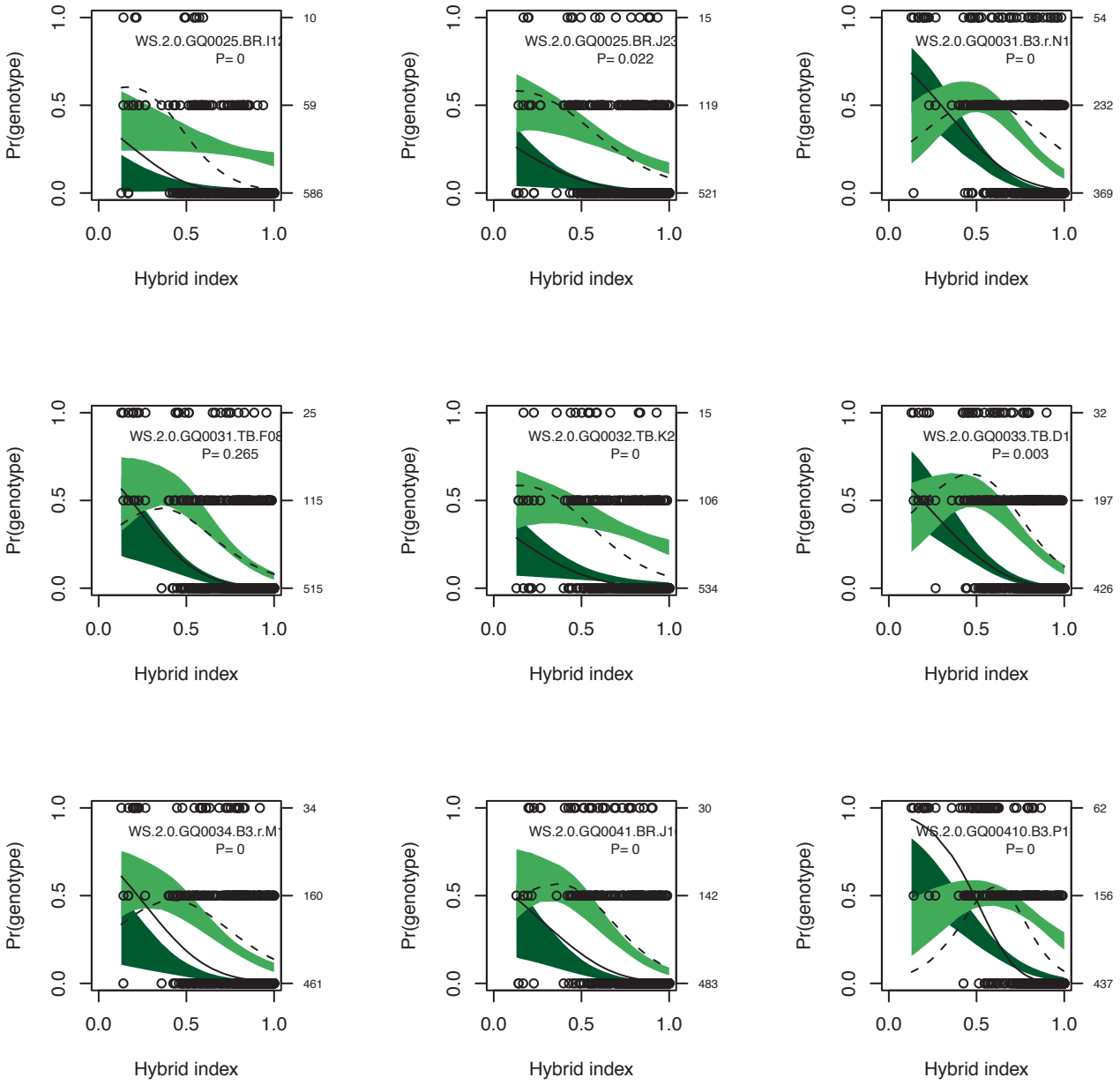

WS.2.0.GQ0021.BR.1.G
P= 0.039
Pr(genotype)
Hybrid index
23
120
512

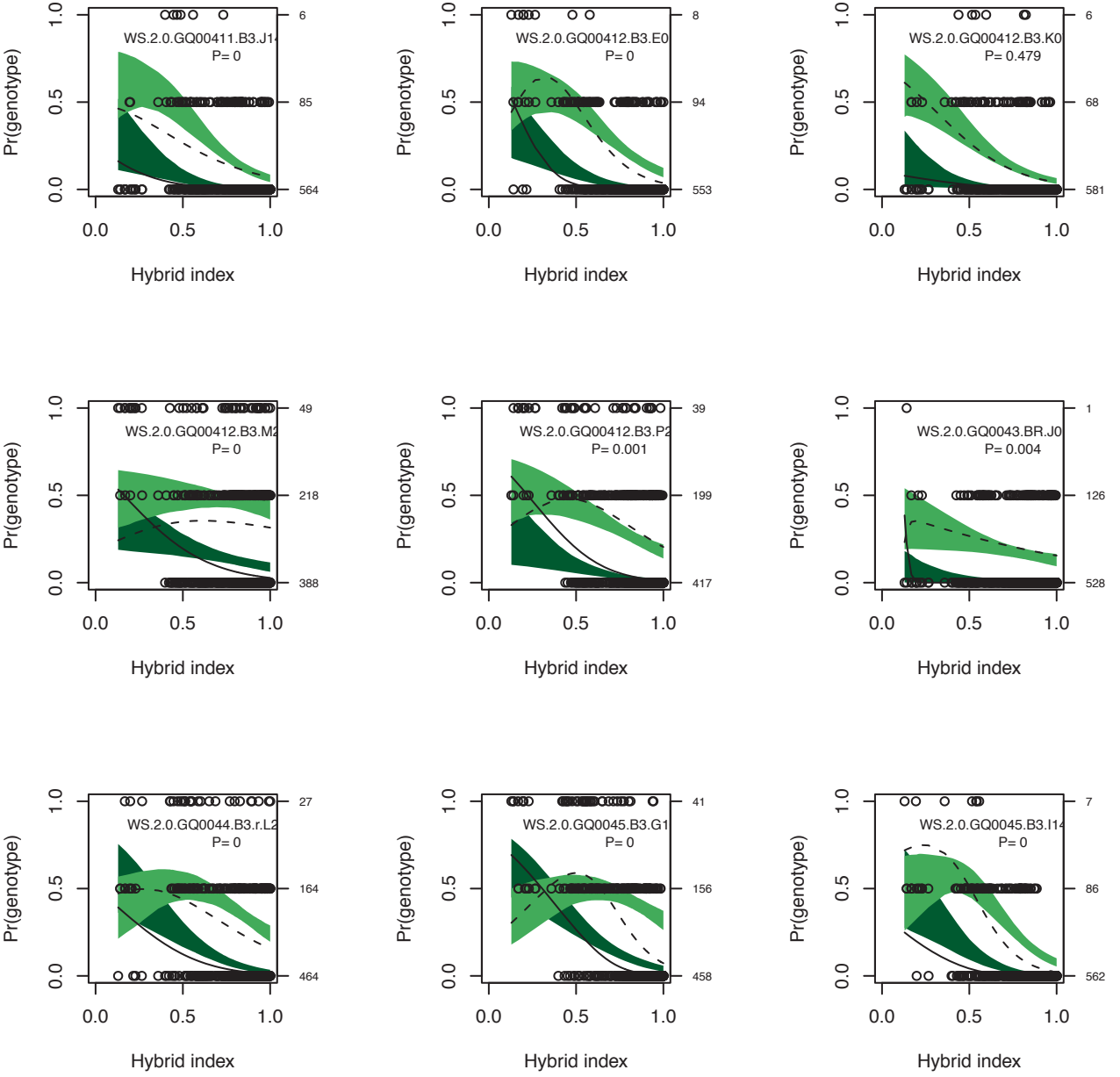

WS.2.0.GQ0021.BR.1.I
P= 0
Pr(genotype)
Hybrid index
9
52
594


WS.2.0.GQ0023.B3.r.A
P= 0.007
Pr(genotype)
Hybrid index
86
277
292


WS.2.0.GQ0024.B3.r.O
P= 0.032
Pr(genotype)
Hybrid index
25
177
453


WS.2.0.GQ0024.BR.K
P= 0
Pr(genotype)
Hybrid index
3
60
592


WS.2.0.GQ0025.BR.I12
P= 0
WS.2.0.GQ0025.BR.J23
P= 0.022
WS.2.0.GQ0031.B3.r.N1
P= 0
WS.2.0.GQ0031.TB.F08
P= 0.265
WS.2.0.GQ0032.TB.K2
P= 0
WS.2.0.GQ0033.TB.D1
P= 0.003
WS.2.0.GQ0034.B3.r.M1
P= 0
WS.2.0.GQ0041.BR.J1
P= 0
WS.2.0.GQ00410.B3.P1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
10
59
586
15
119
521
54
232
369
25
115
515
15
106
534
32
197
426
34
160
461
30
142
483
62
156
437


WS.2.0.GQ00411.B3.J1
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WS.2.0.GQ00412.B3.K0
P= 0.479
WS.2.0.GQ00412.B3.M2
P= 0
WS.2.0.GQ00412.B3.P2
P= 0.001
WS.2.0.GQ0043.BR.J0
P= 0.004
WS.2.0.GQ0044.B3.r.L2
P= 0
WS.2.0.GQ0045.B3.G1
P= 0
WS.2.0.GQ0045.B3.I1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
6
85
564
8
94
553
6
68
581
49
218
388
39
199
417
1
126
528
27
164
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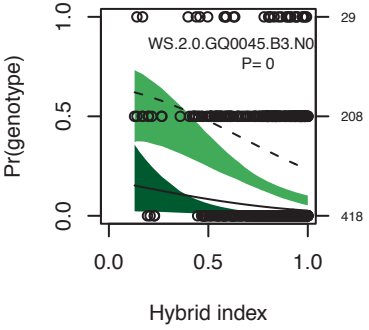
156
458
7
86
562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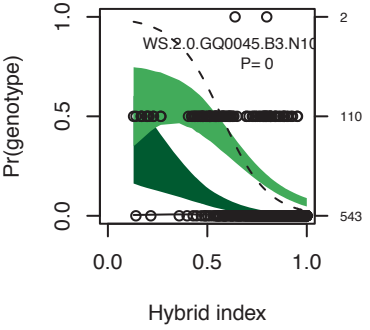
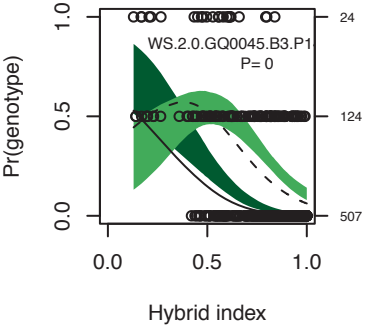
Hybrid index
29
208
418


WS.2.0.GQ0045.B3.N10
P= 0
Pr(genotype)
Hybrid index
2
110
543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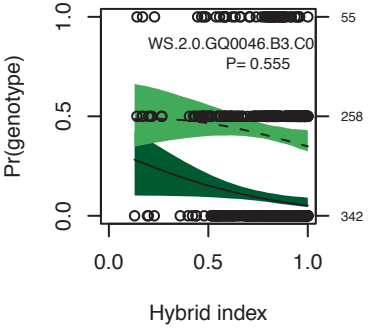
P= 0
Pr(genotype)
Hybrid index
24
124
507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Hybrid index
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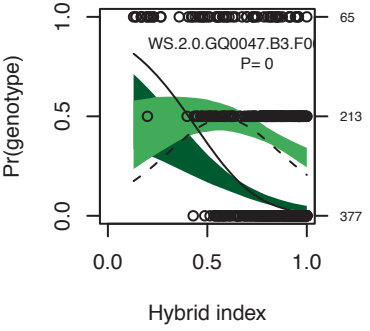
258
342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Pr(genotype)
Hybrid index
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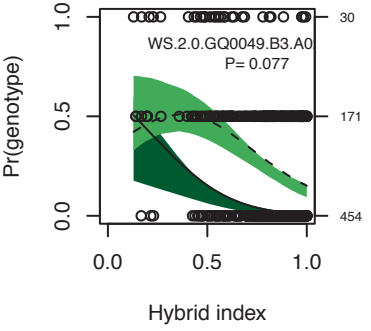
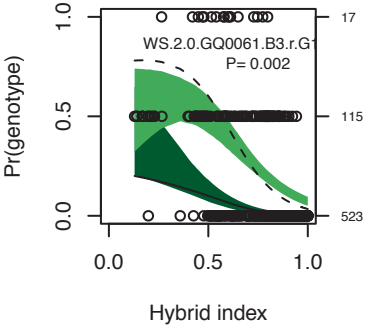
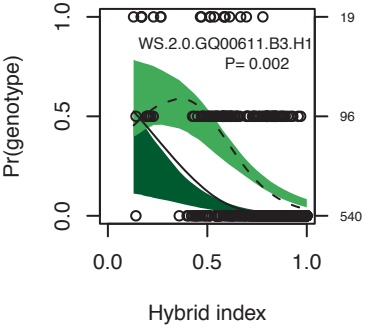
213
377


WS.2.0.GQ0049.B3.A0
P= 0.077
Pr(genotype)
Hybrid index
30
171
454


WS.2.0.GQ0061.B3.r.G1
P= 0.002
Pr(genotype)
Hybrid index
17
115
523


WS.2.0.GQ00611.B3.H1
P= 0.002
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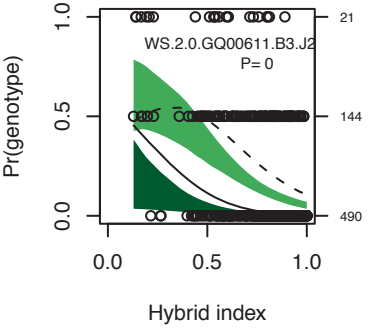
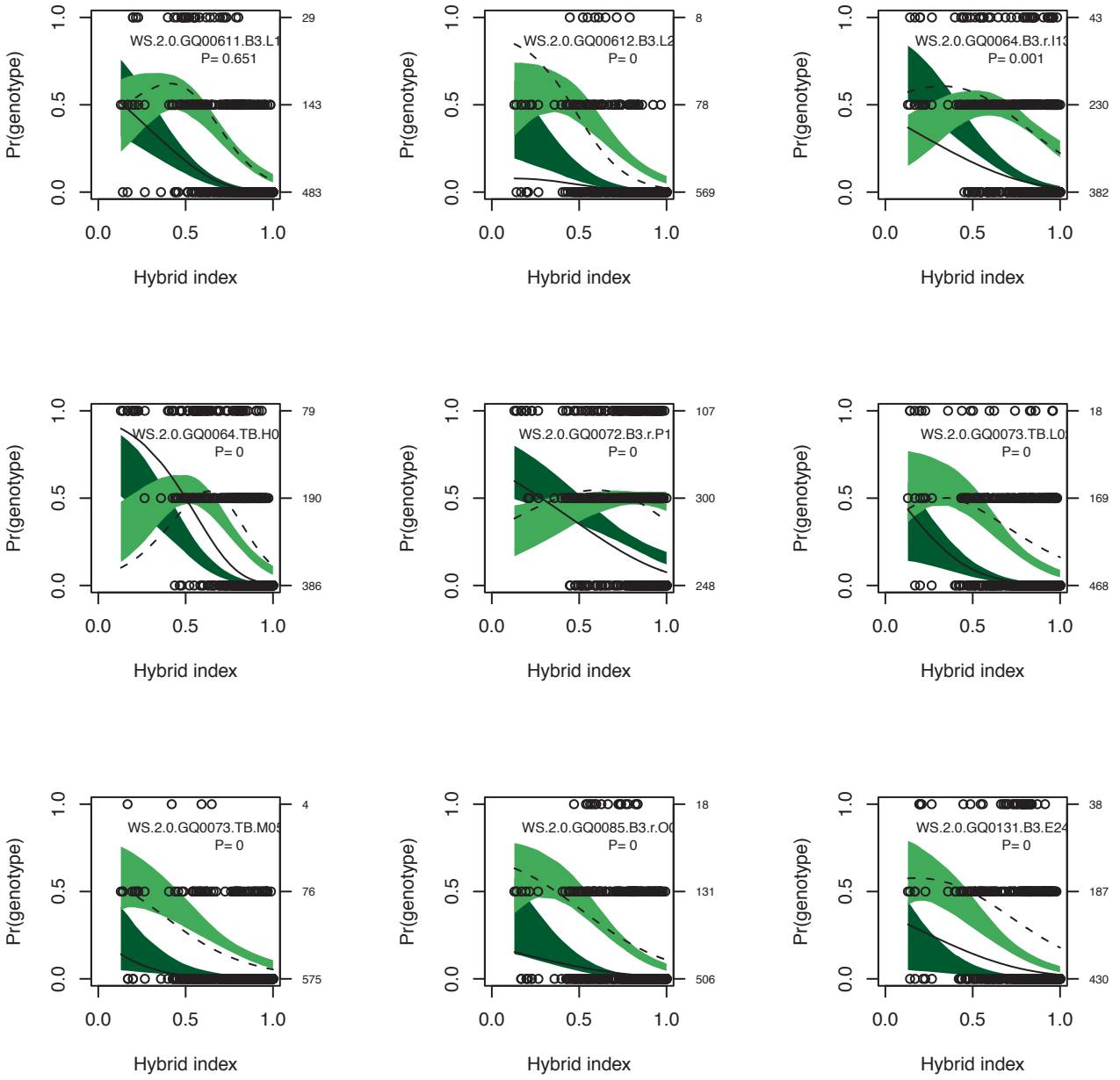
Hybrid index
19
96
540


WS.2.0.GQ00611.B3.J2
P= 0
Pr(genotype)
Hybrid index
21
144
490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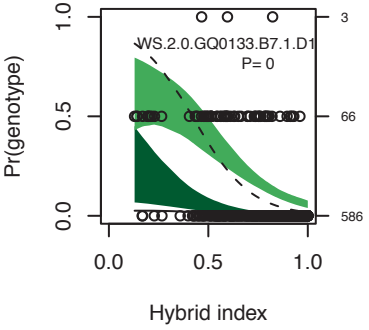
P= 0.651
29
143
483
WS.2.0.GQ00612.B3.L2
P= 0
8
78
569
WS.2.0.GQ0064.B3.r.I13
P= 0.001
43
230
382
WS.2.0.GQ0064.TB.H0
P= 0
79
190
386
WS.2.0.GQ0072.B3.r.P1
P= 0
107
300
248
WS.2.0.GQ0073.TB.L0
P= 0
18
169
468
WS.2.0.GQ0073.TB.M0
P= 0
4
76
575
WS.2.0.GQ0085.B3.r.O0
P= 0
18
131
506
WS.2.0.GQ0131.B3.E24
P= 0
38
187
430
Pr(genotype)
0.0
0.5
1.0
Hybrid index


WS.2.0.GQ0133.B7.1.D1
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Pr(genotype)
Hybrid index
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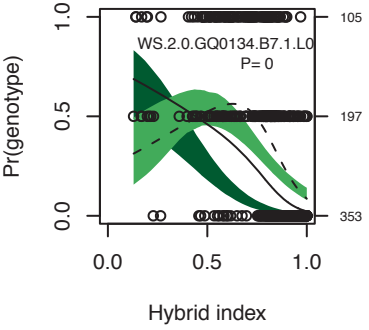
1.0
3
66
586


WS.2.0.GQ0134.B7.1.L0
P= 0
Pr(genotype)
Hybrid index
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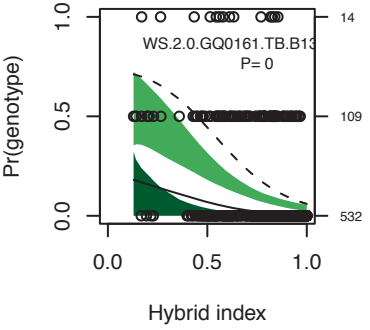
1.0
105
197
353


WS.2.0.GQ0161.TB.B13
P= 0
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Hybrid index
0.0
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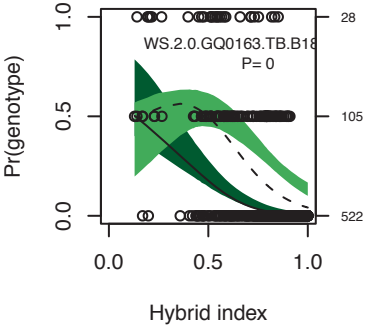
1.0
14
109
532


WS.2.0.GQ0163.TB.B18
P= 0
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Hybrid index
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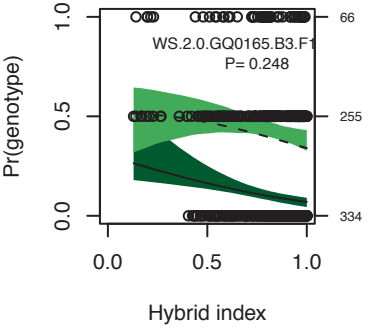
0.5
1.0
28
105
522


WS.2.0.GQ0165.B3.F1
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Hybrid index
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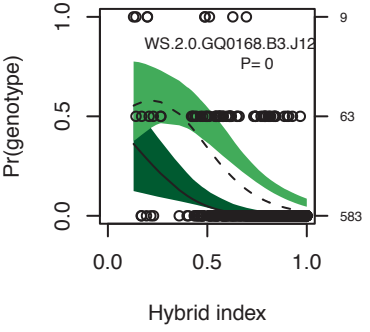
0.5
1.0
66
255
334


WS.2.0.GQ0168.B3.J12
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Hybrid index
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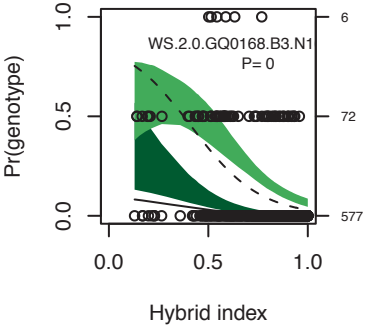
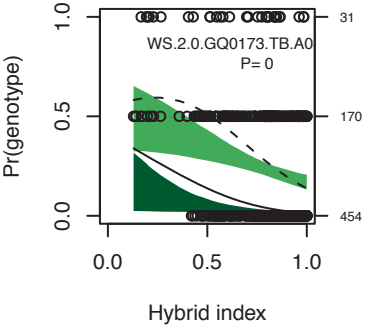
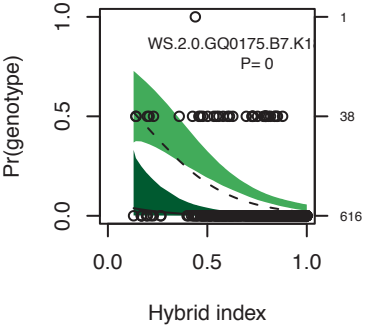
1.0
9
63
583


WS.2.0.GQ0168.B3.N1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
6
72
577


WS.2.0.GQ0173.TB.A0
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
31
170
454


WS.2.0.GQ0175.B7.K1
P= 0
Pr(genotype)
Hybrid index
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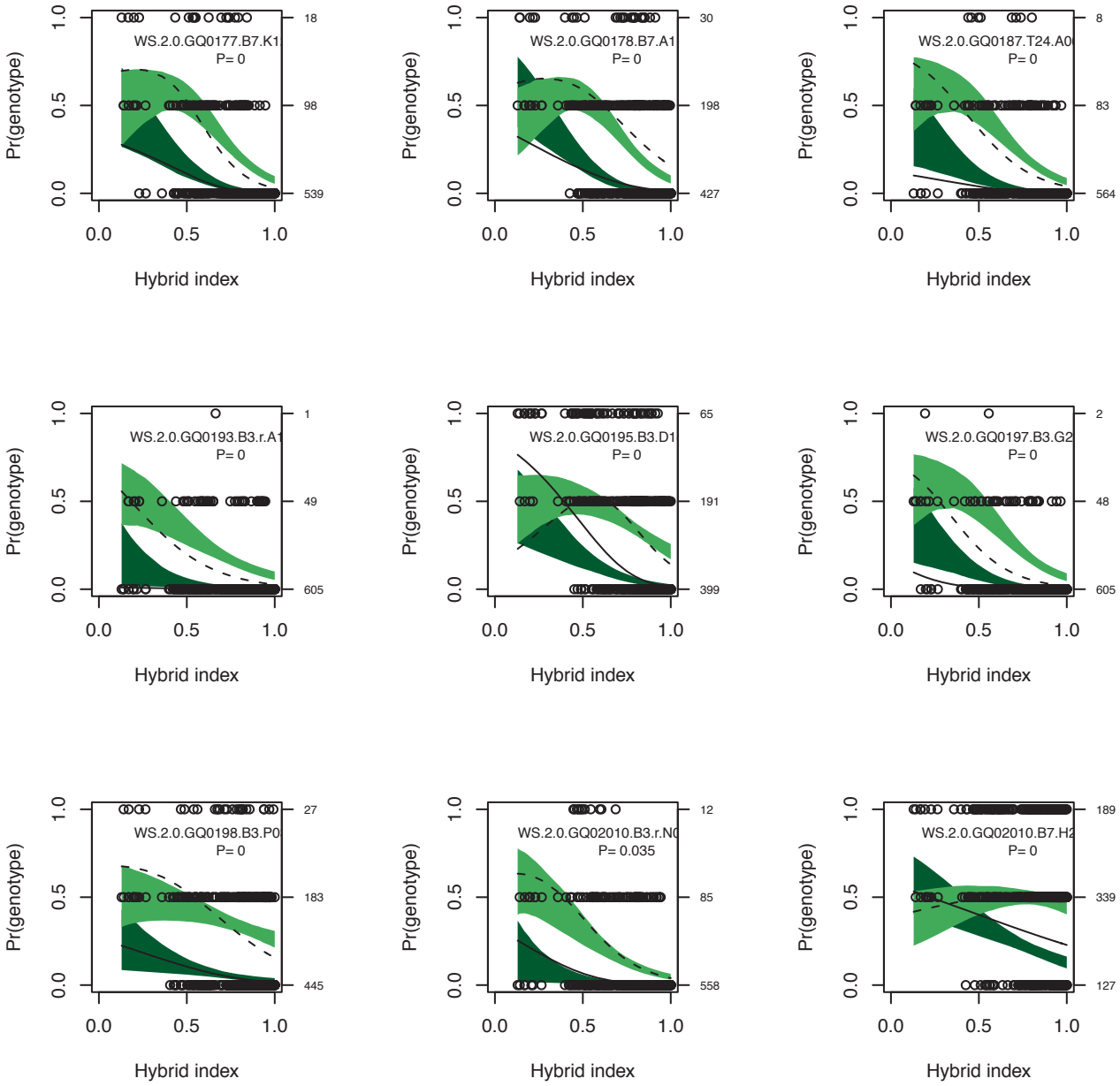
1.0
1
38
616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P= 0
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98
539
WS.2.0.GQ0178.B7.A1
P= 0
30
198
427
WS.2.0.GQ0187.T24.A0
P= 0
8
83
564
WS.2.0.GQ0193.B3.r.A1
P= 0
1
49
605
WS.2.0.GQ0195.B3.D1
P= 0
65
191
399
WS.2.0.GQ0197.B3.G2
P= 0
2
48
605
WS.2.0.GQ0198.B3.P0
P= 0
27
183
445
WS.2.0.GQ02010.B3.r.N0
P= 0.035
12
85
558
WS.2.0.GQ02010.B7.H2
P= 0
189
339
127
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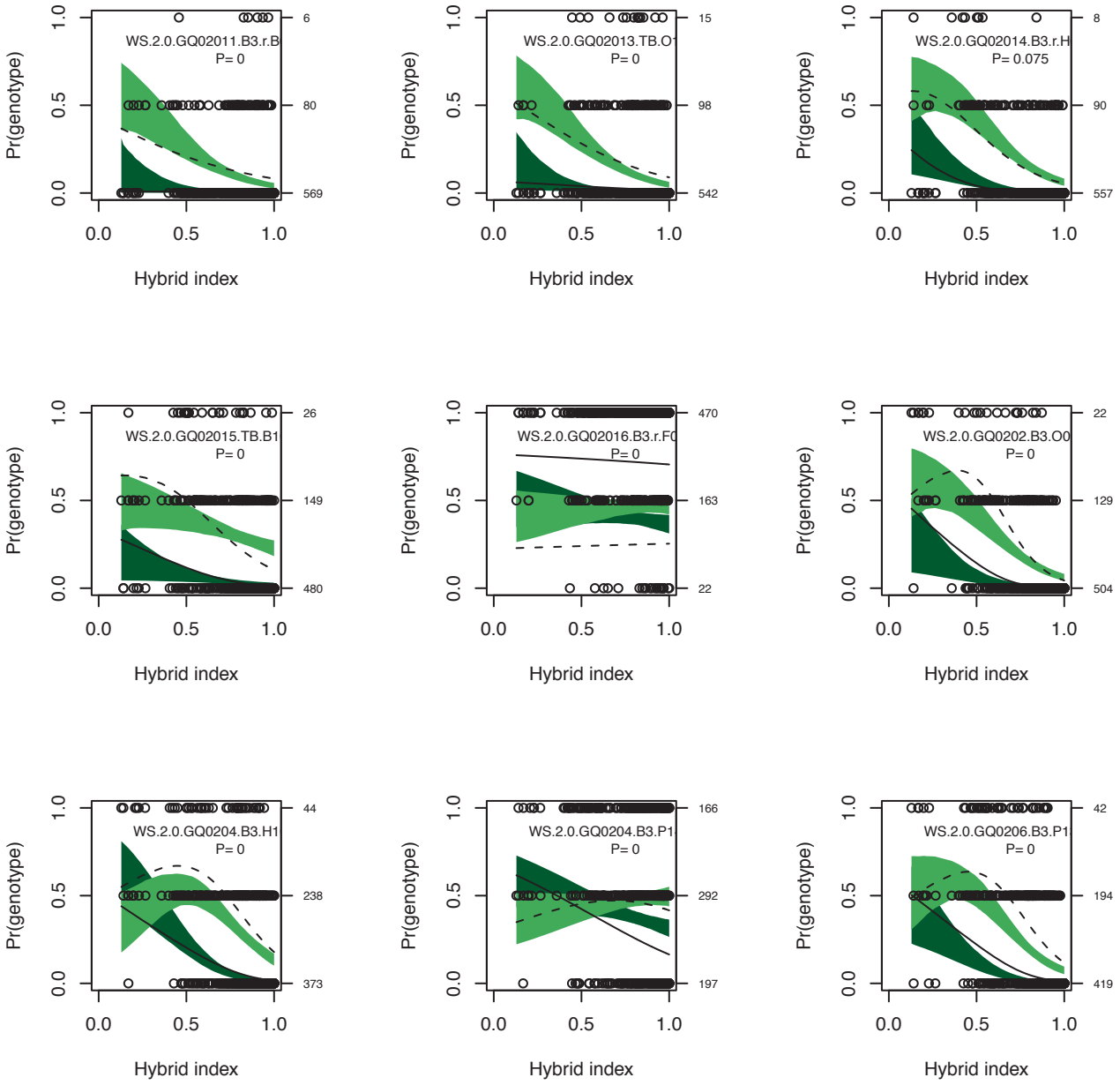
1.0
Hybrid index


WS.2.0.GQ02011.B3.r.B
P= 0
WS.2.0.GQ02013.TB.O
P= 0
WS.2.0.GQ02014.B3.r.H
P= 0.075
WS.2.0.GQ02015.TB.B1
P= 0
WS.2.0.GQ02016.B3.r.F0
P= 0
WS.2.0.GQ0202.B3.O0
P= 0
WS.2.0.GQ0204.B3.H1
P= 0
WS.2.0.GQ0204.B3.P1
P= 0
WS.2.0.GQ0206.B3.P1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
6
80
569
15
98
542
8
90
557
26
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480
470
163
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22
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504
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238
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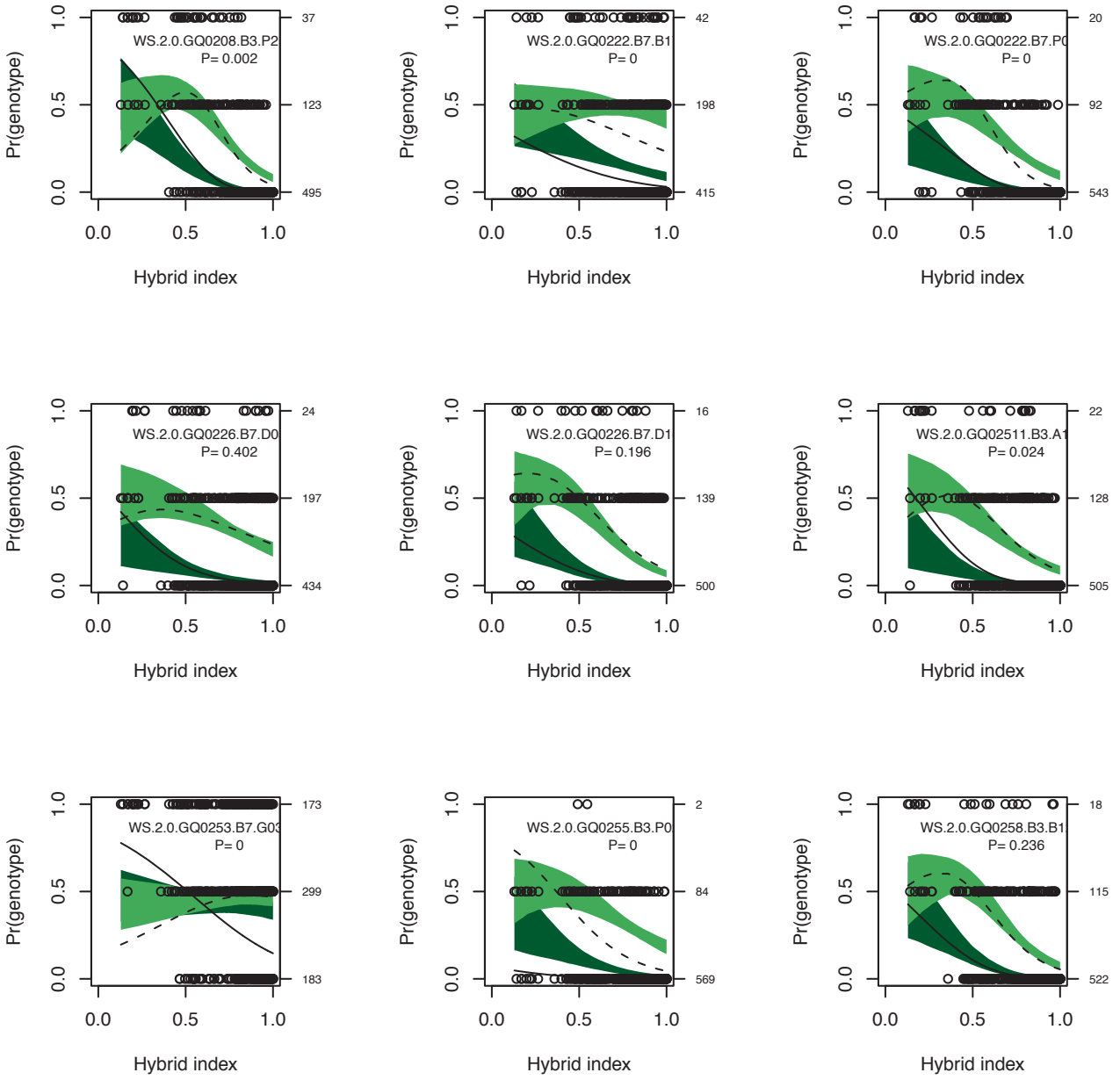
197
42
194
419


WS.2.0.GQ0208.B3.P2
P= 0.002
37
123
495
WS.2.0.GQ0222.B7.B1
P= 0
42
198
415
WS.2.0.GQ0222.B7.P0
P= 0
20
92
543
WS.2.0.GQ0226.B7.D0
P= 0.402
24
197
434
WS.2.0.GQ0226.B7.D1
P= 0.196
16
139
500
WS.2.0.GQ02511.B3.A1
P= 0.024
22
128
505
WS.2.0.GQ0253.B7.G03
P= 0
173
299
183
WS.2.0.GQ0255.B3.P0
P= 0
2
84
569
WS.2.0.GQ0258.B3.B1
P= 0.236
18
115
522
Pr(genotype)
Hybrid index
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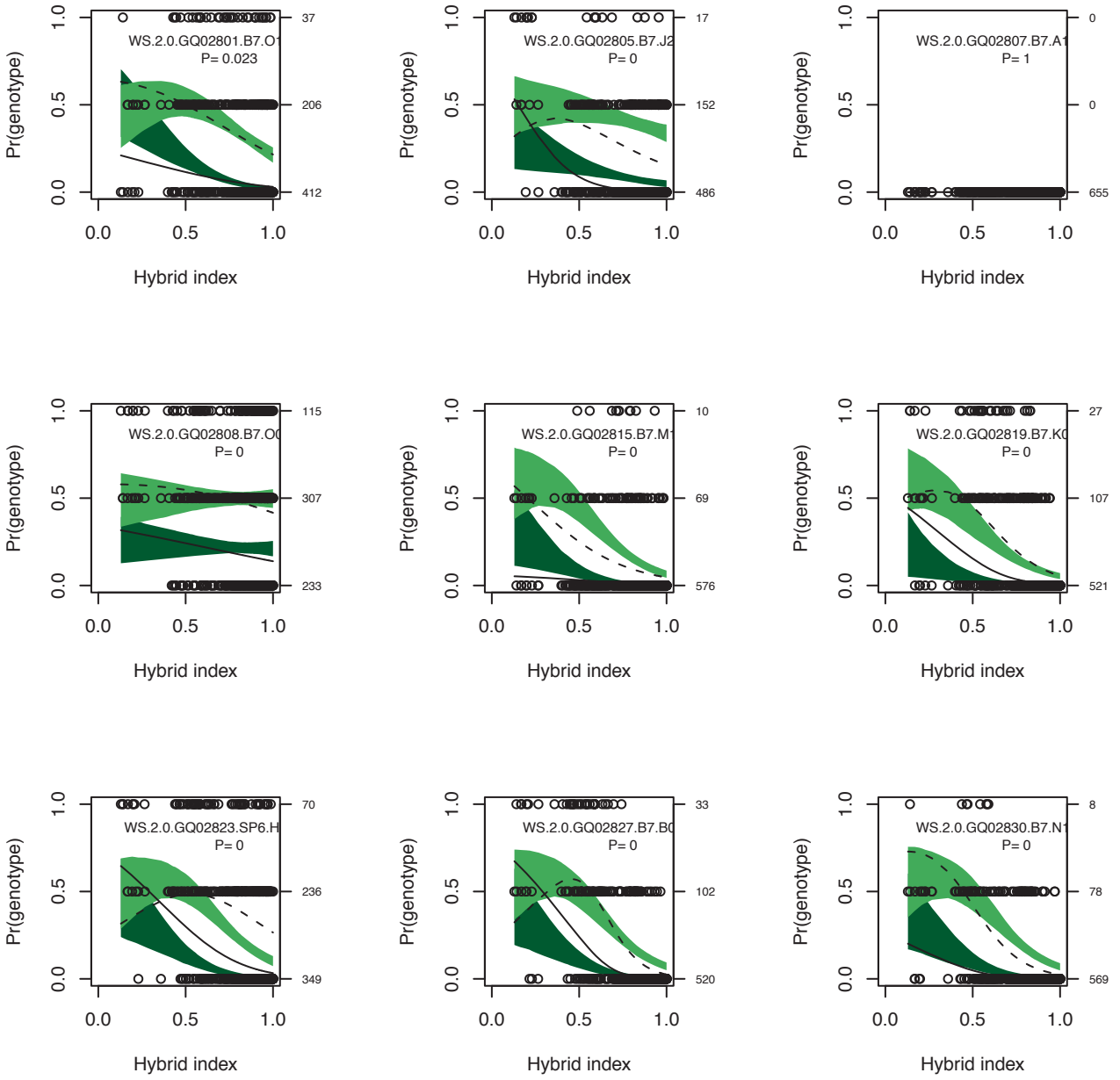
1.0


WS.2.0.GQ02801.B7.O1
P= 0.023
WS.2.0.GQ02805.B7.J2
P= 0
WS.2.0.GQ02807.B7.A1
P= 1
WS.2.0.GQ02808.B7.O0
P= 0
WS.2.0.GQ02815.B7.M1
P= 0
WS.2.0.GQ02819.B7.K0
P= 0
WS.2.0.GQ02823.SP6.H
P= 0
WS.2.0.GQ02827.B7.B0
P= 0
WS.2.0.GQ02830.B7.N1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
37
206
412
17
152
486
0
0
655
115
307
233
10
69
576
27
107
521
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236
349
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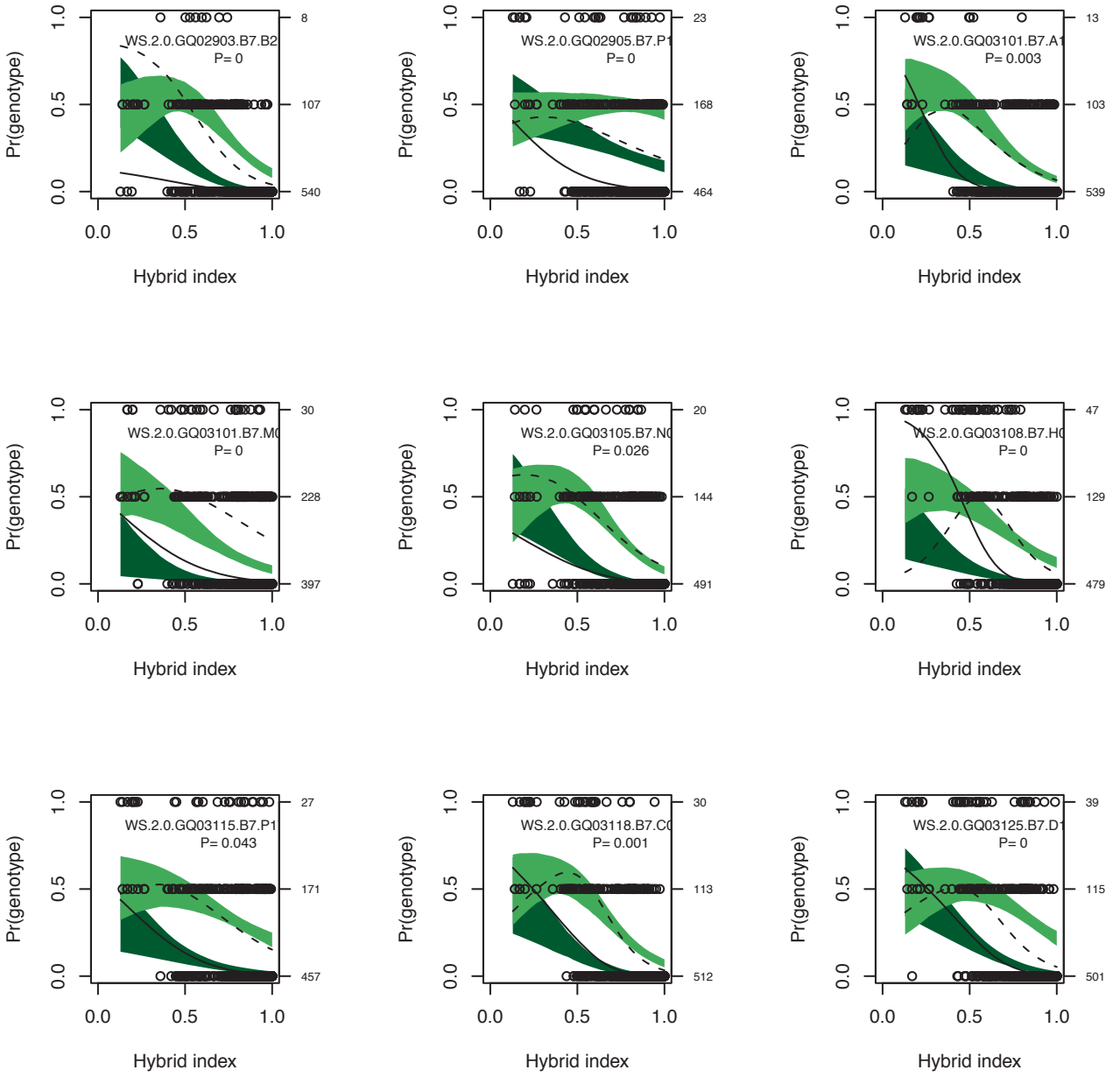
102
520
8
78
569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P= 0
WS.2.0.GQ02905.B7.P1
P= 0
WS.2.0.GQ03101.B7.A1
P= 0.003
WS.2.0.GQ03101.B7.M0
P= 0
WS.2.0.GQ03105.B7.N0
P= 0.026
WS.2.0.GQ03108.B7.H0
P= 0
WS.2.0.GQ03115.B7.P1
P= 0.043
WS.2.0.GQ03118.B7.C0
P= 0.001
WS.2.0.GQ03125.B7.D1
P= 0
Pr(genotype)
Hybrid index
0.0
0.5
1.0
8
107
540
23
168
464
13
103
539
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228
397
20
144
491
47
129
479
27
171
457
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512
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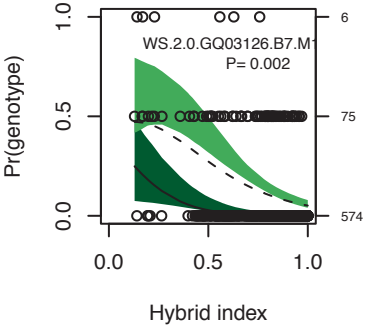
115
501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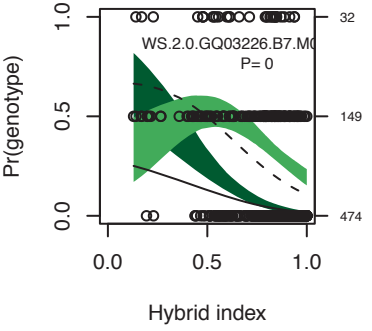
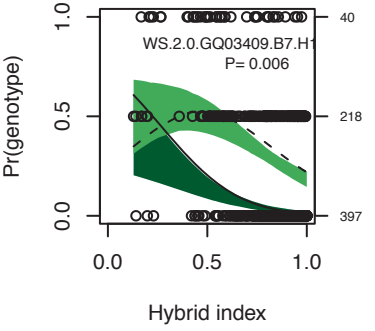
P= 0.002
Pr(genotype)
Hybrid index
6
75
574


WS.2.0.GQ03226.B7.M0
P= 0
Pr(genotype)
Hybrid index
32
149
474


WS.2.0.GQ03409.B7.H1
P= 0.006
Pr(genotype)
Hybrid index
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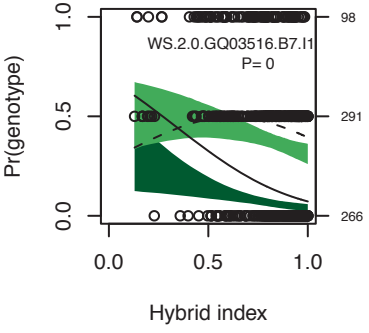
218
397


WS.2.0.GQ03516.B7.I1
P= 0
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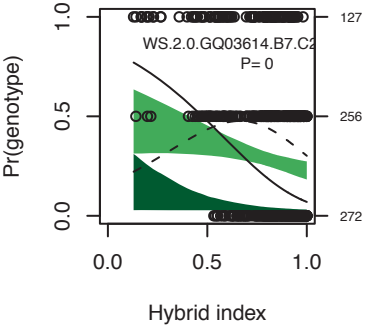
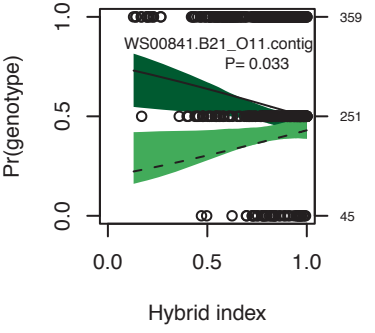
Hybrid index
98
291
266


WS.2.0.GQ03614.B7.C2
P= 0
Pr(genotype)
Hybrid index
127
256
272


WS00841.B21_O11.contig
P= 0.033
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Hybrid index
359
251
45

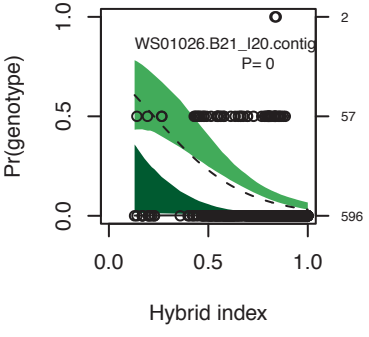
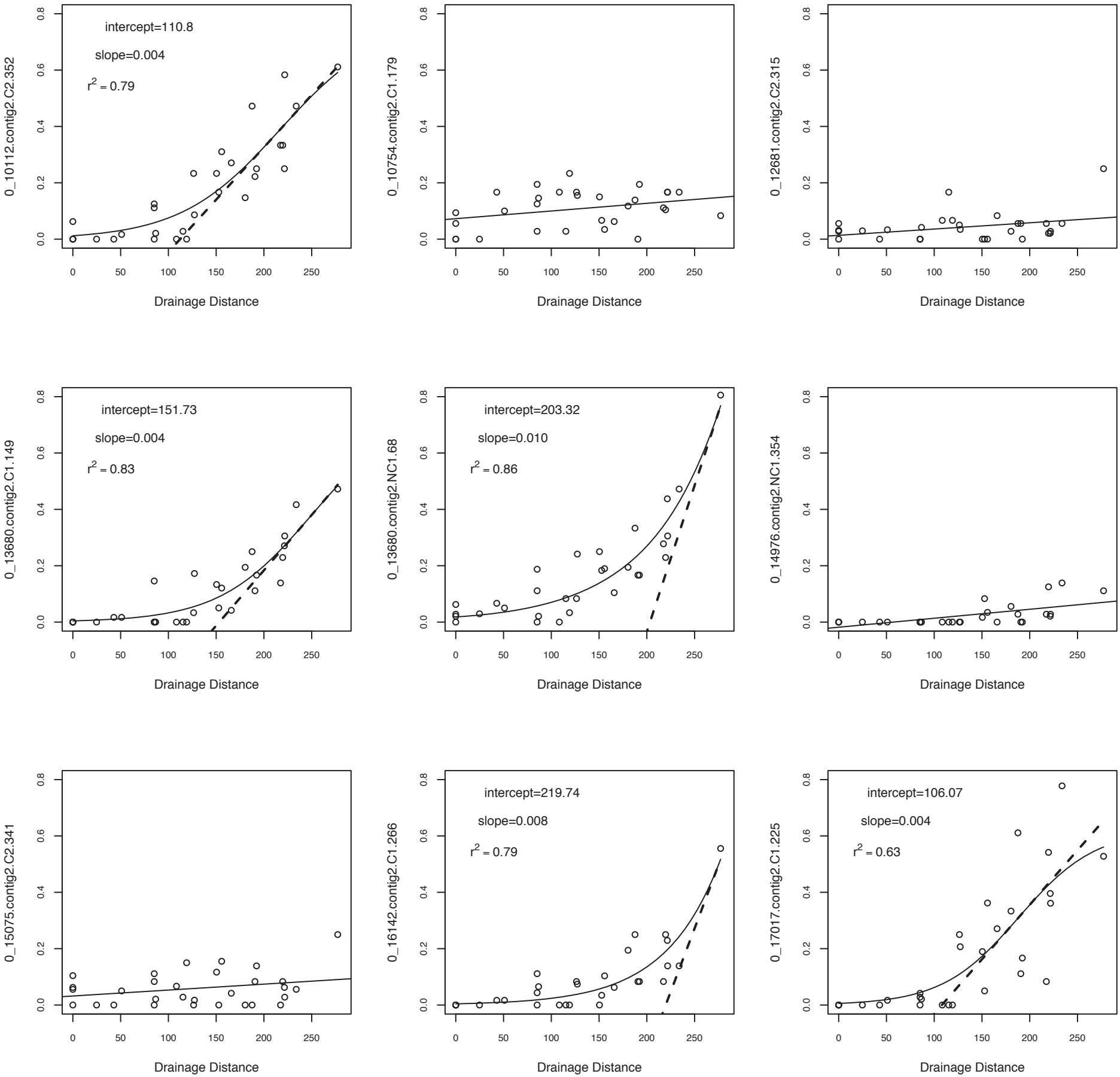
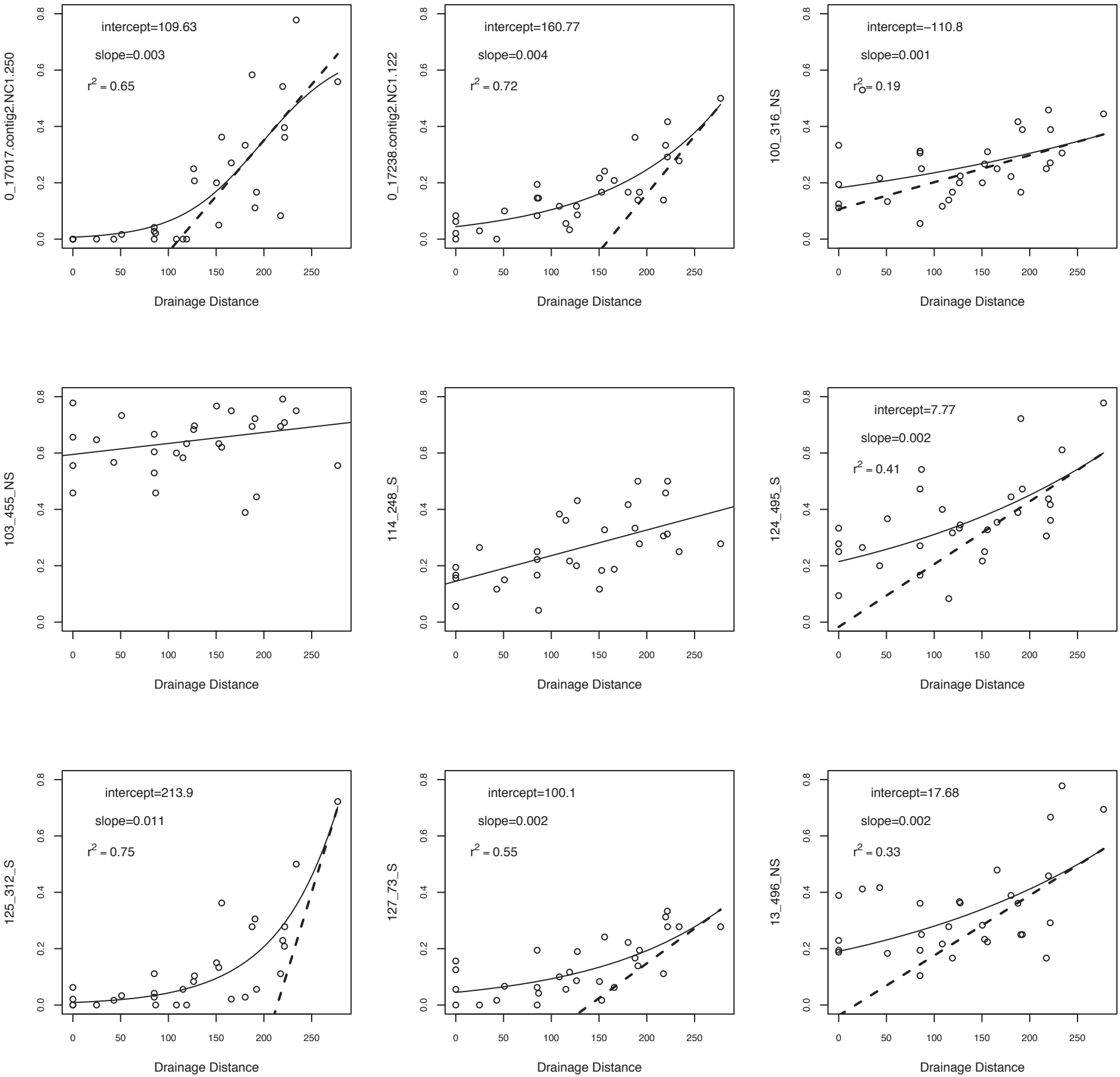
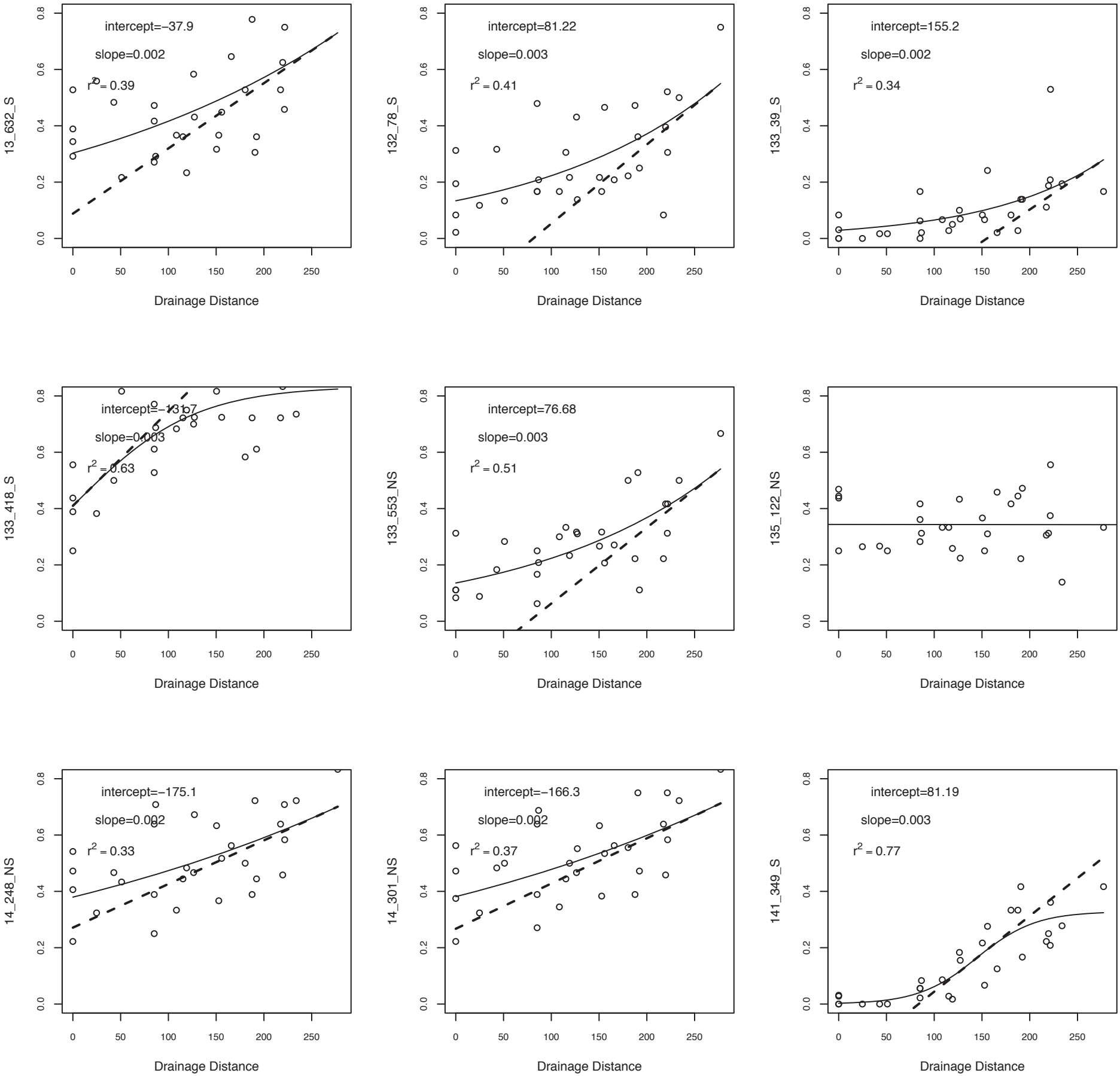
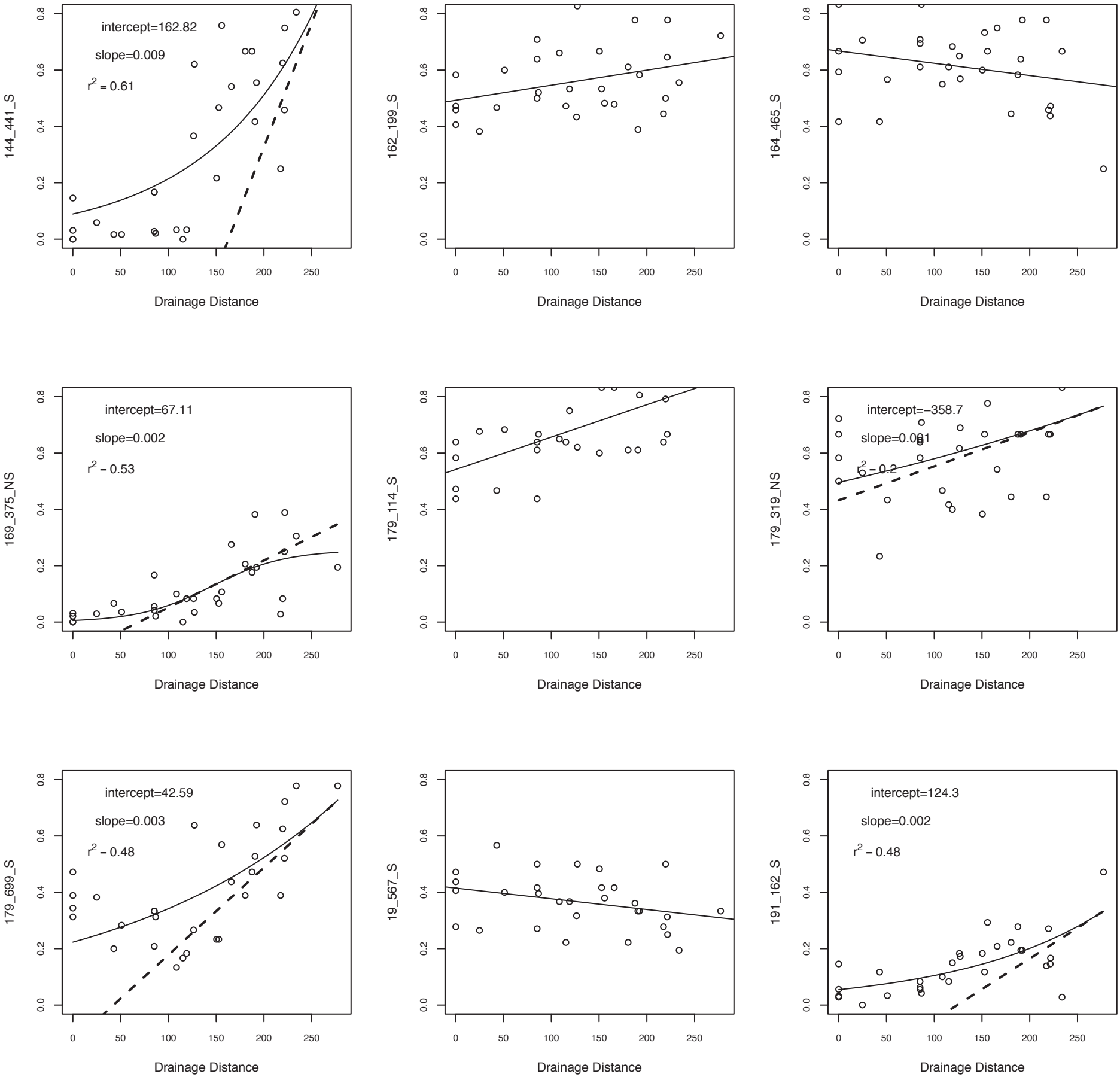

WS01026.B21_I20.contig
P= 0
Pr(genotype)
Hybrid index
2
57
596

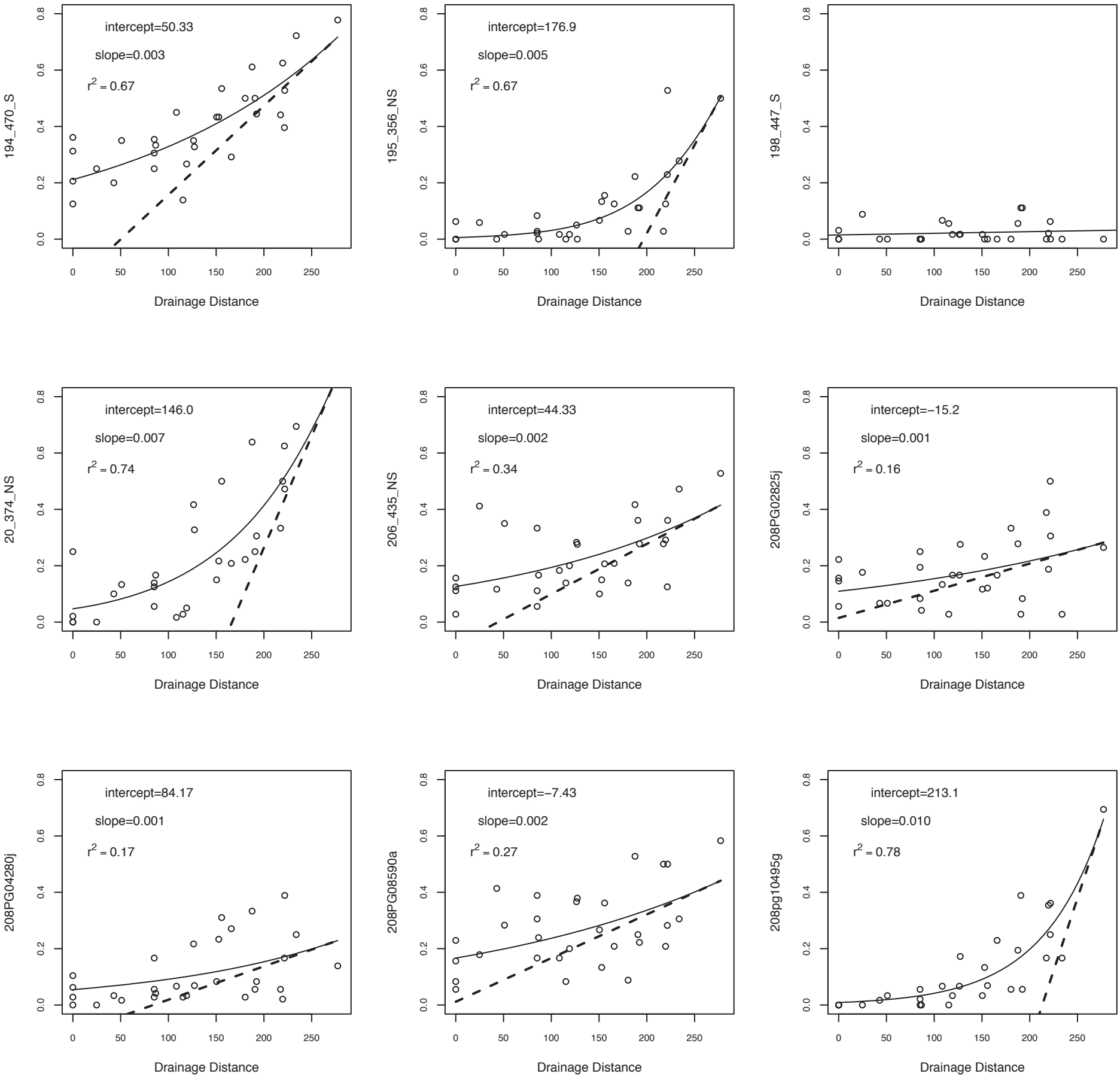
Figure S2 – Locus-specific geographic clines for all loci indicating the relationship between minor Sitka spruce allele frequency and drainage distance. Geographic cline parameters indicate the proportion of variance accounted for using a linear or non-linear (logistic or exponential) regression and maximum slope and intercept (lambda, dashed line) for fitted values (solid line).

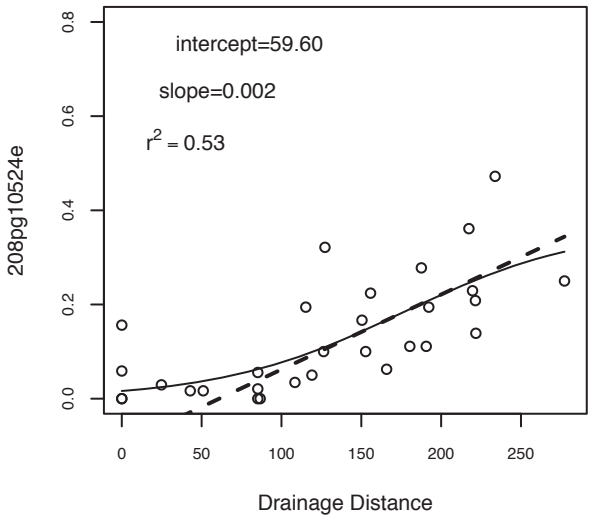

0_10112.contig2.C2.352
intercept=110.8
slope=0.004
r2 = 0.79
0_10754.contig2.C1.179
0_12681.contig2.C2.315
0_13680.contig2.C1.149
intercept=151.73
slope=0.004
r2 = 0.83
0_13680.contig2.NC1.68
intercept=203.32
slope=0.010
r2 = 0.86
0_14976.contig2.NC1.354
0_15075.contig2.C2.341
0_16142.contig2.C1.266
intercept=219.74
slope=0.008
r2 = 0.79
0_17017.contig2.C1.225
intercept=106.07
slope=0.004
r2 = 0.63
Drainage Distance

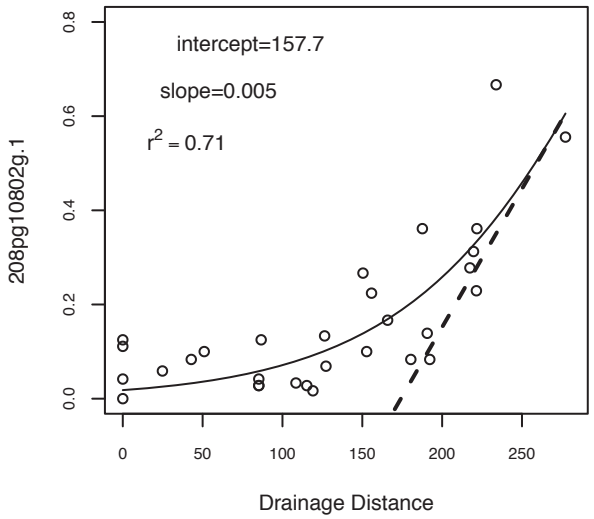

0_17017.contig2.NC1.250
intercept=109.63
slope=0.003
r2 = 0.65
0_17238.contig2.NC1.122
intercept=160.77
slope=0.004
r2 = 0.72
100_316_NS
intercept=−110.8
slope=0.001
r2 = 0.19
103_455_NS
114_248_S
124_495_S
intercept=7.77
slope=0.002
r2 = 0.41
125_312_S
intercept=213.9
slope=0.011
r2 = 0.75
127_73_S
intercept=100.1
slope=0.002
r2 = 0.55
13_496_NS
intercept=17.68
slope=0.002
r2 = 0.33
Drainage Distance

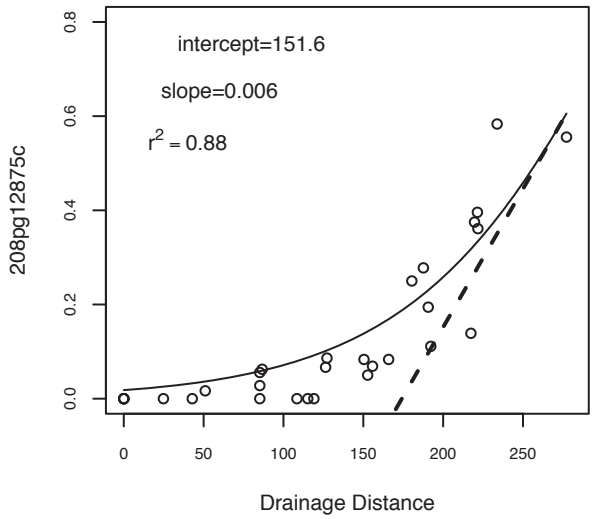

13_632_S
intercept=−37.9
slope=0.002
r2 = 0.39
132_78_S
intercept=81.22
slope=0.003
r2 = 0.41
133_39_S
intercept=155.2
slope=0.002
r2 = 0.34
133_418_S
intercept=−131.7
slope=0.003
r2 = 0.63
133_553_NS
intercept=76.68
slope=0.003
r2 = 0.51
135_122_NS
14_248_NS
intercept=−175.1
slope=0.002
r2 = 0.33
14_301_NS
intercept=−166.3
slope=0.002
r2 = 0.37
141_349_S
intercept=81.19
slope=0.003
r2 = 0.77
Drainage Distance

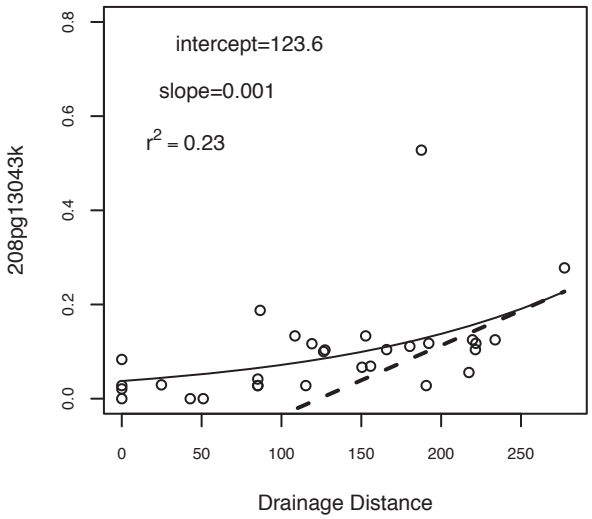

intercept=162.82
slope=0.009
r2 = 0.61
144_441_S
162_199_S
164_465_S
intercept=67.11
slope=0.002
r2 = 0.53
169_375_NS
179_114_S
intercept=−358.7
slope=0.081
r2 = 0.2
179_319_NS
intercept=42.59
slope=0.003
r2 = 0.48
179_699_S
19_567_S
intercept=124.3
slope=0.002
r2 = 0.48
191_162_S
Drainage Distance

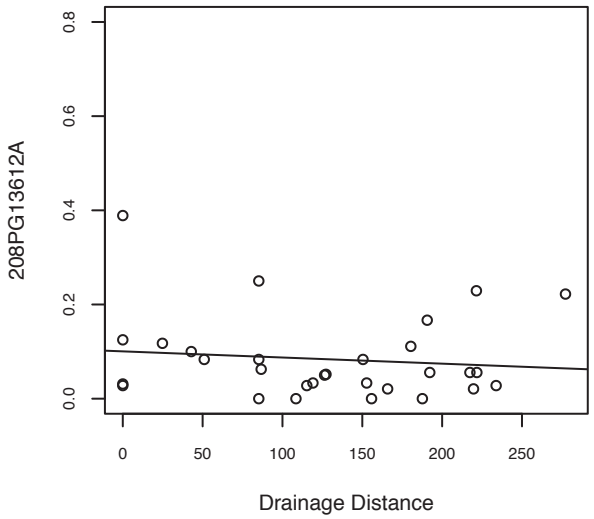

194_470_S
intercept=50.33
slope=0.003
r2 = 0.67
195_356_NS
intercept=176.9
slope=0.005
r2 = 0.67
198_447_S
20_374_NS
intercept=146.0
slope=0.007
r2 = 0.74
206_435_NS
intercept=44.33
slope=0.002
r2 = 0.34
208PG02825j
intercept=−15.2
slope=0.001
r2 = 0.16
208PG04280j
intercept=84.17
slope=0.001
r2 = 0.17
208PG08590a
intercept=−7.43
slope=0.002
r2 = 0.27
208pg10495g
intercept=213.1
slope=0.010
r2 = 0.78
Drainage Distance

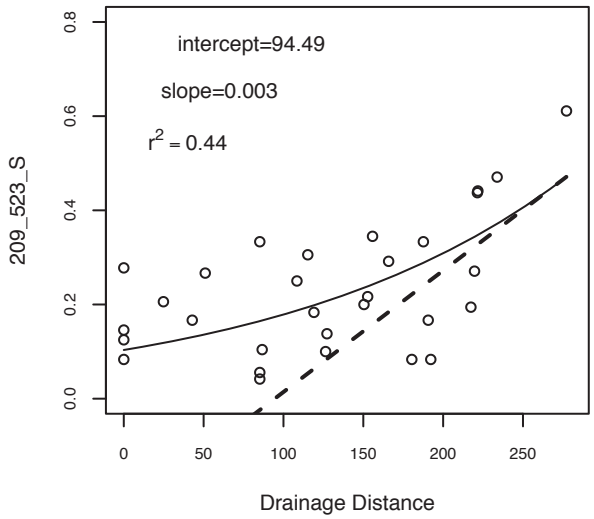

intercept=59.60
slope=0.002
r2 = 0.53
208pg10524e
Drainage Distance

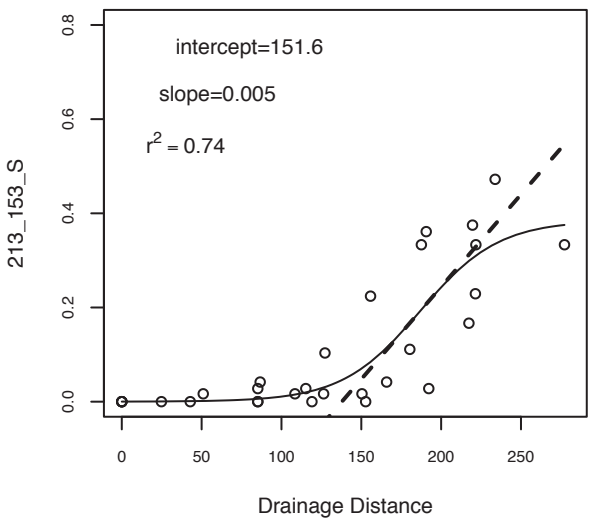

intercept=157.7
slope=0.005
r2 = 0.71
208pg10802g.1
Drainage Distance

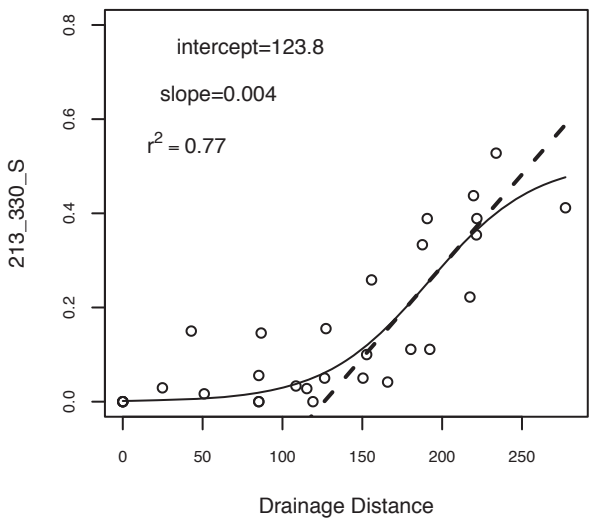

intercept=151.6
slope=0.006
r2 = 0.88
208pg12875c
Drainage Distance

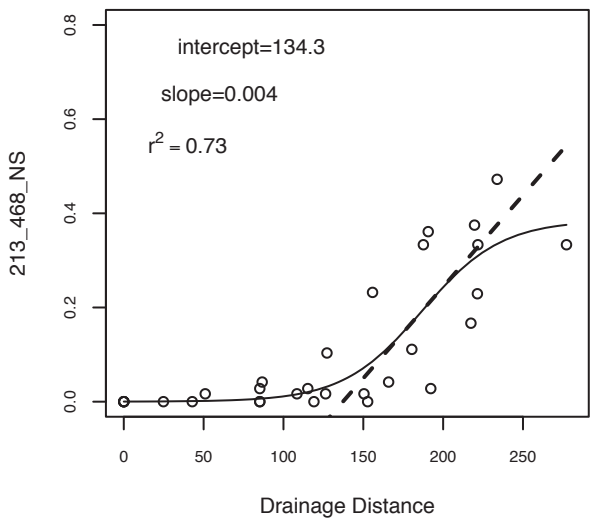

intercept=123.6
slope=0.001
r2 = 0.23
208pg13043k
Drainage Distance

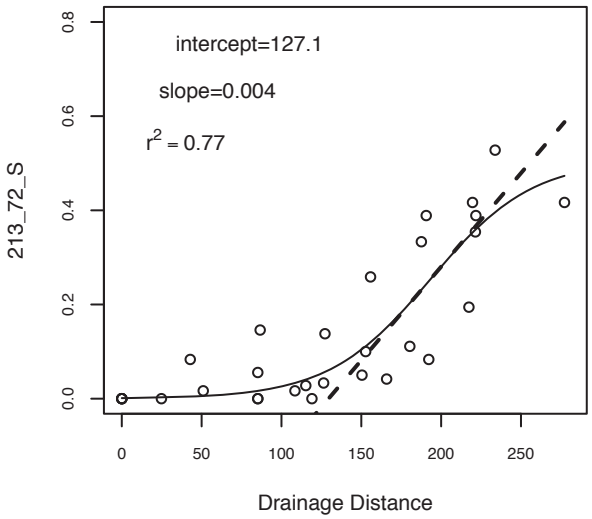

208PG13612A
Drainage Distance

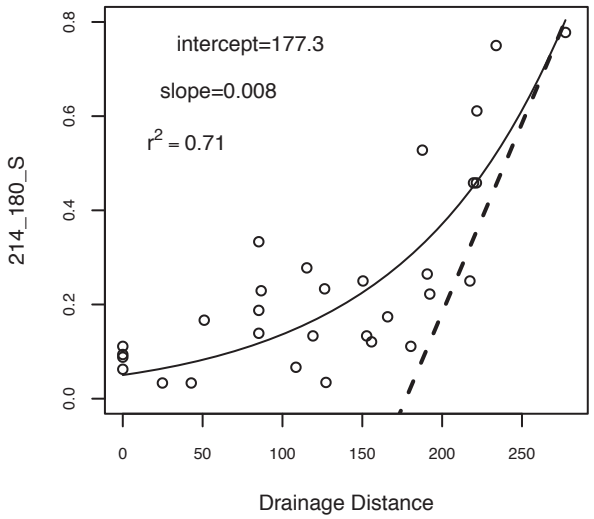

intercept=94.49
slope=0.003
r2 = 0.44
209_523_S
Drainage Distance

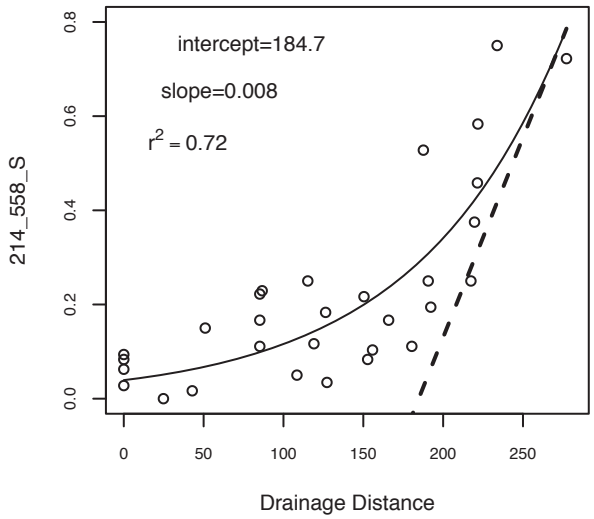

intercept=151.6
slope=0.005
r2 = 0.74
213_153_S
Drainage Distance

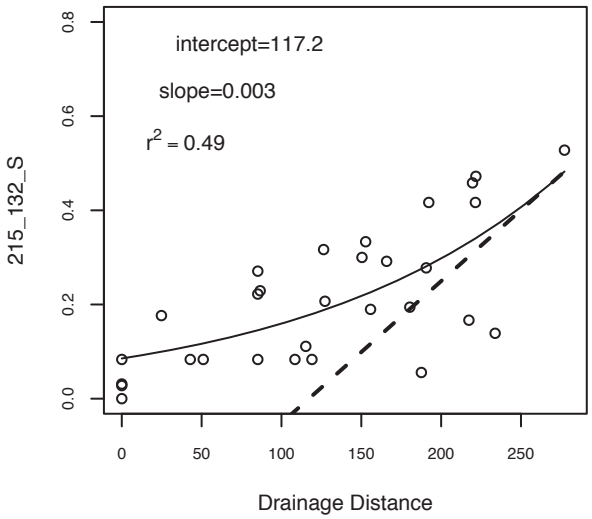

intercept=123.8
slope=0.004
r2 = 0.77
213_330_S
Drainage Distance

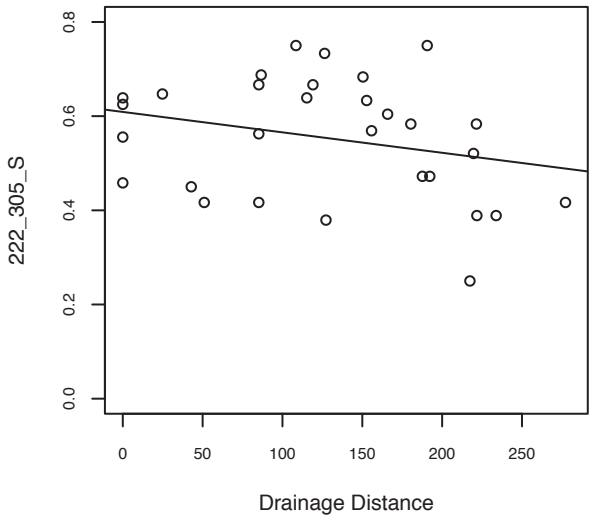

intercept=134.3
slope=0.004
r2 = 0.73
213_468_NS
Drainage Distance

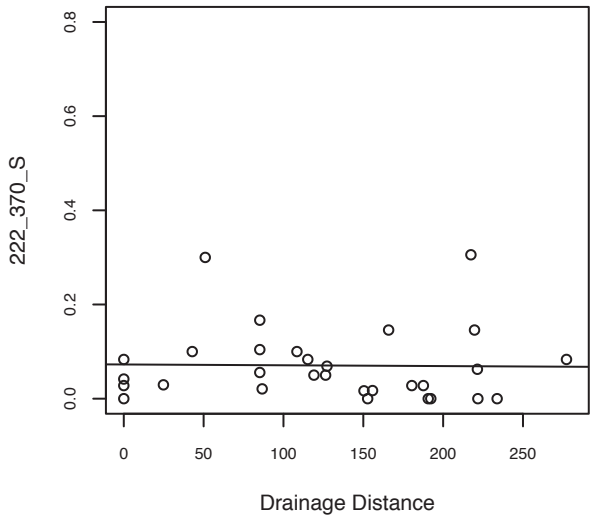

intercept=127.1
slope=0.004
r2 = 0.77
213_72_S
Drainage Distance

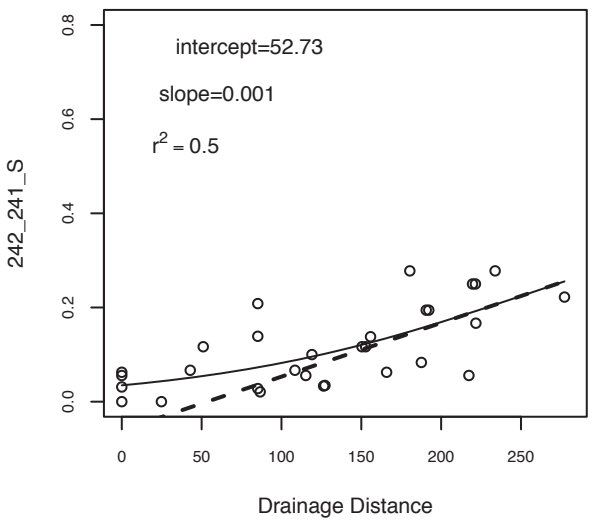

intercept=177.3
slope=0.008
r2 = 0.71
214_180_S
Drainage Distance

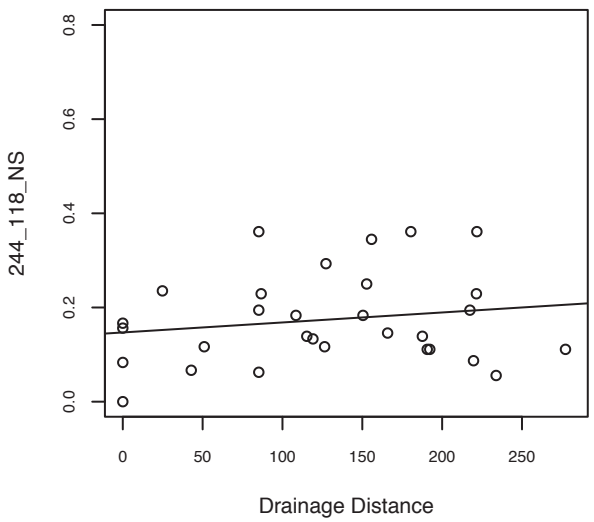

intercept=184.7
slope=0.008
r2 = 0.72
214_558_S
Drainage Distance

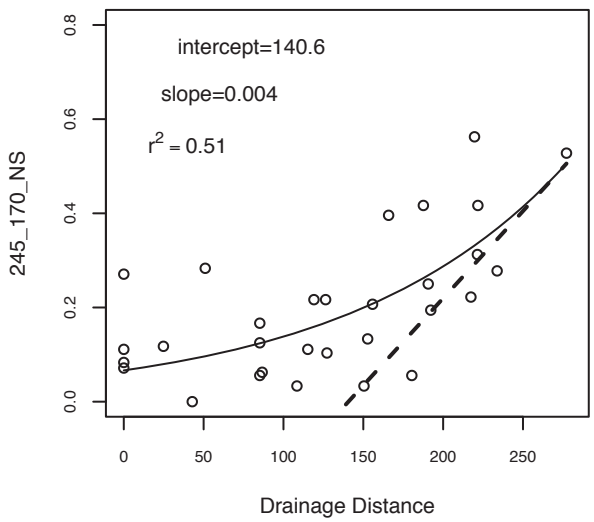

intercept=117.2
slope=0.003
r2 = 0.49
215_132_S
Drainage Distance

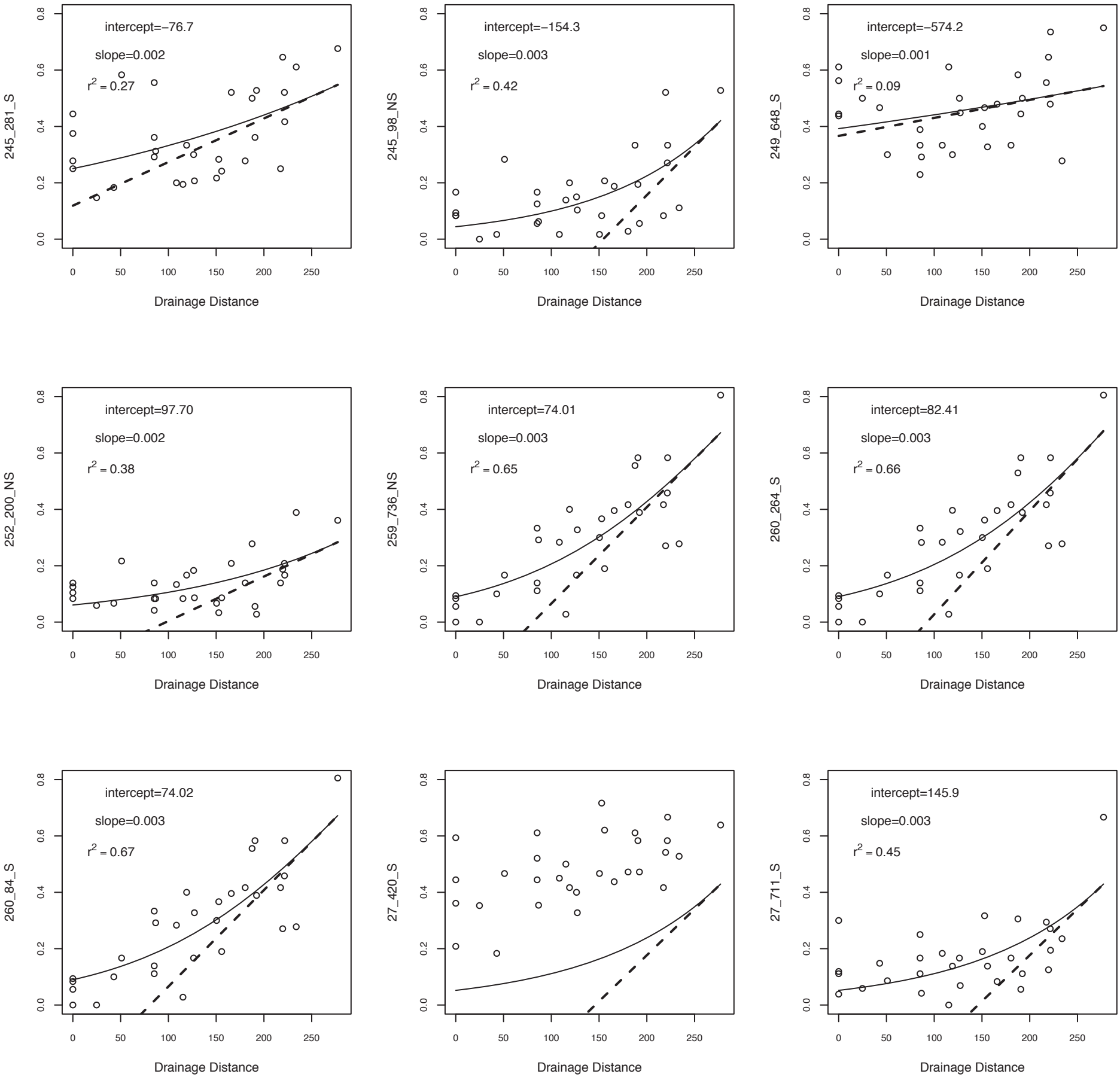

222_305_S
Drainage Distance

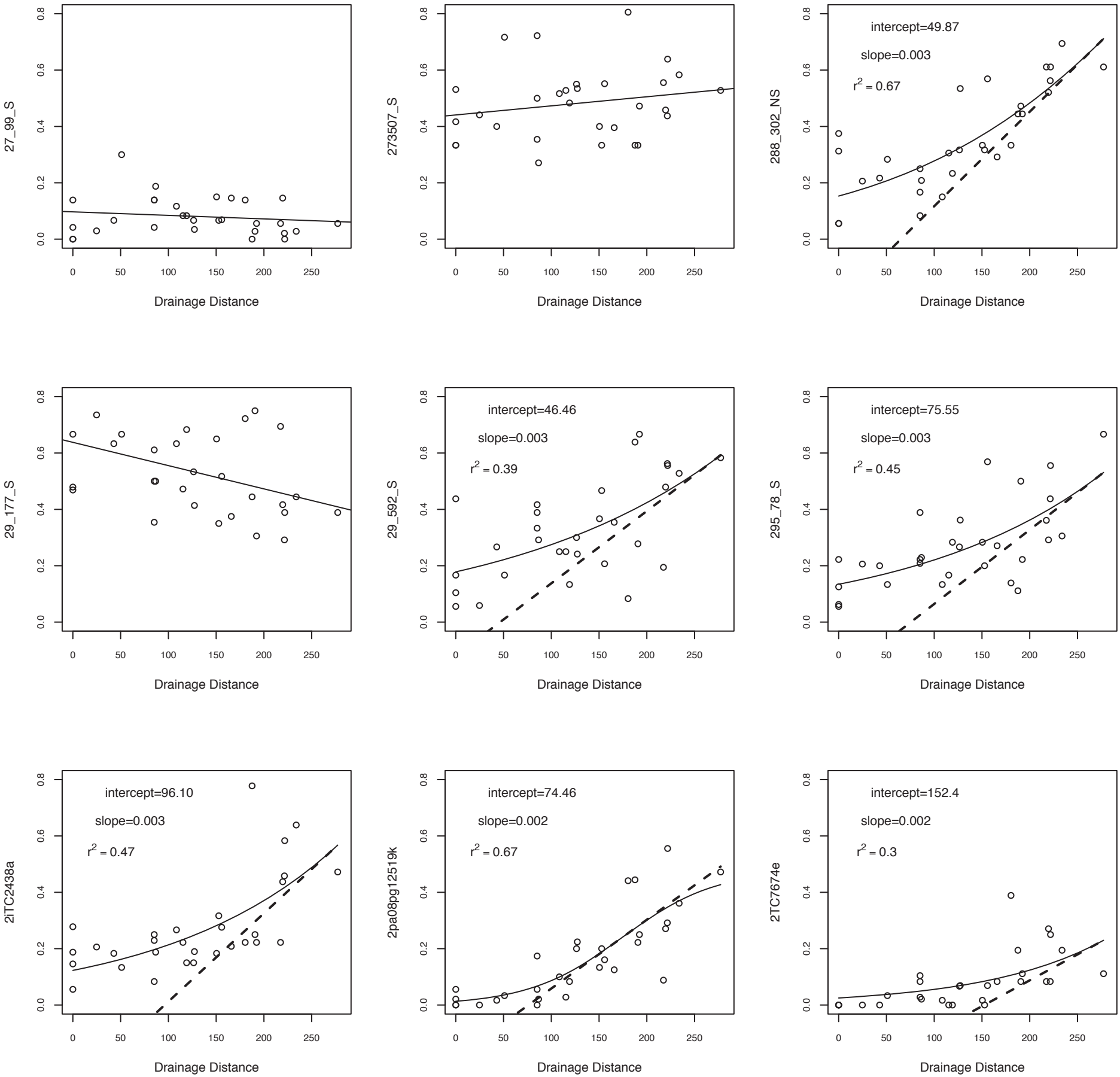

222_370_S
Drainage Distance

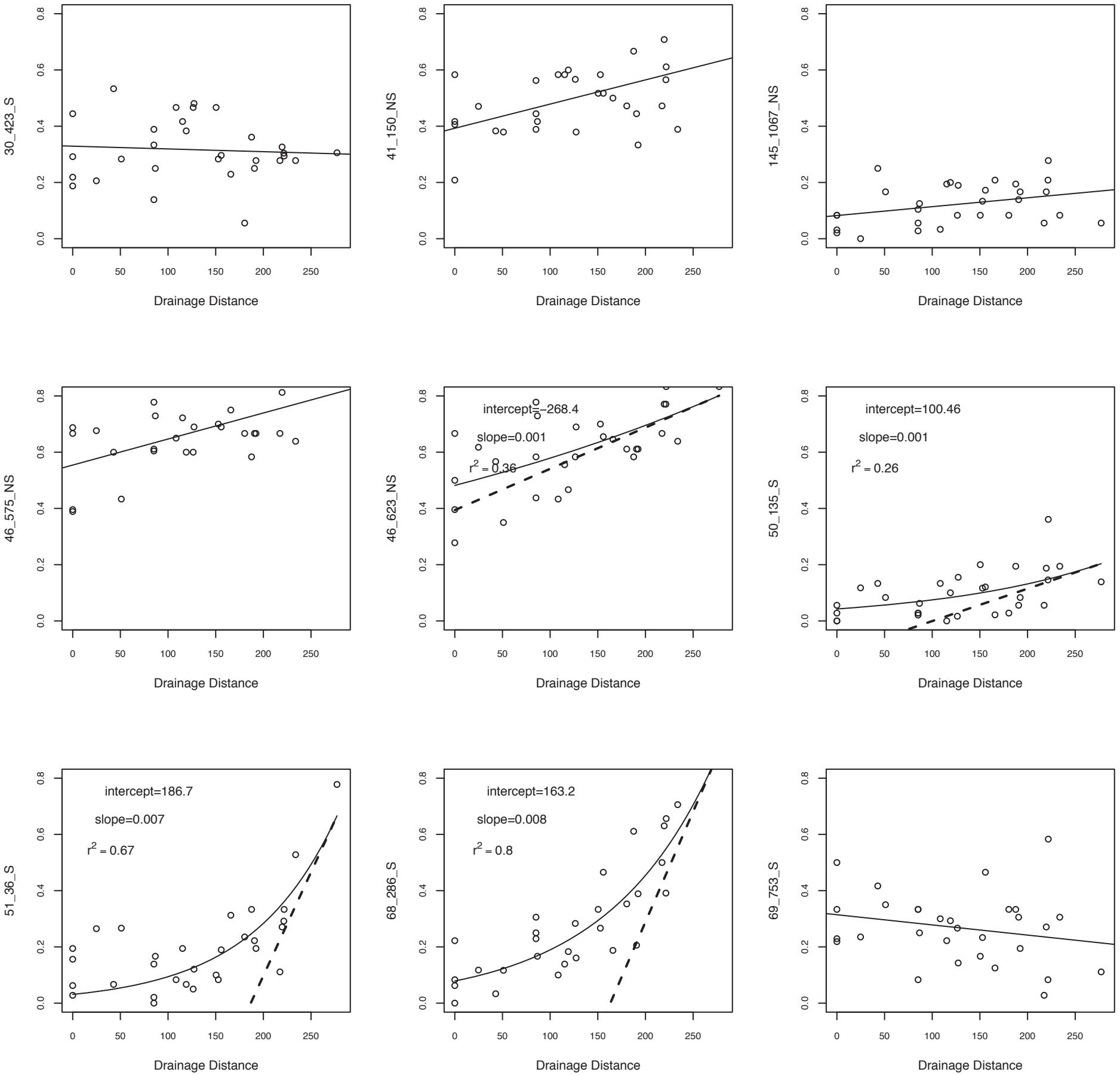

intercept=52.73
slope=0.001
r2 = 0.5
242_241_S
Drainage Distance

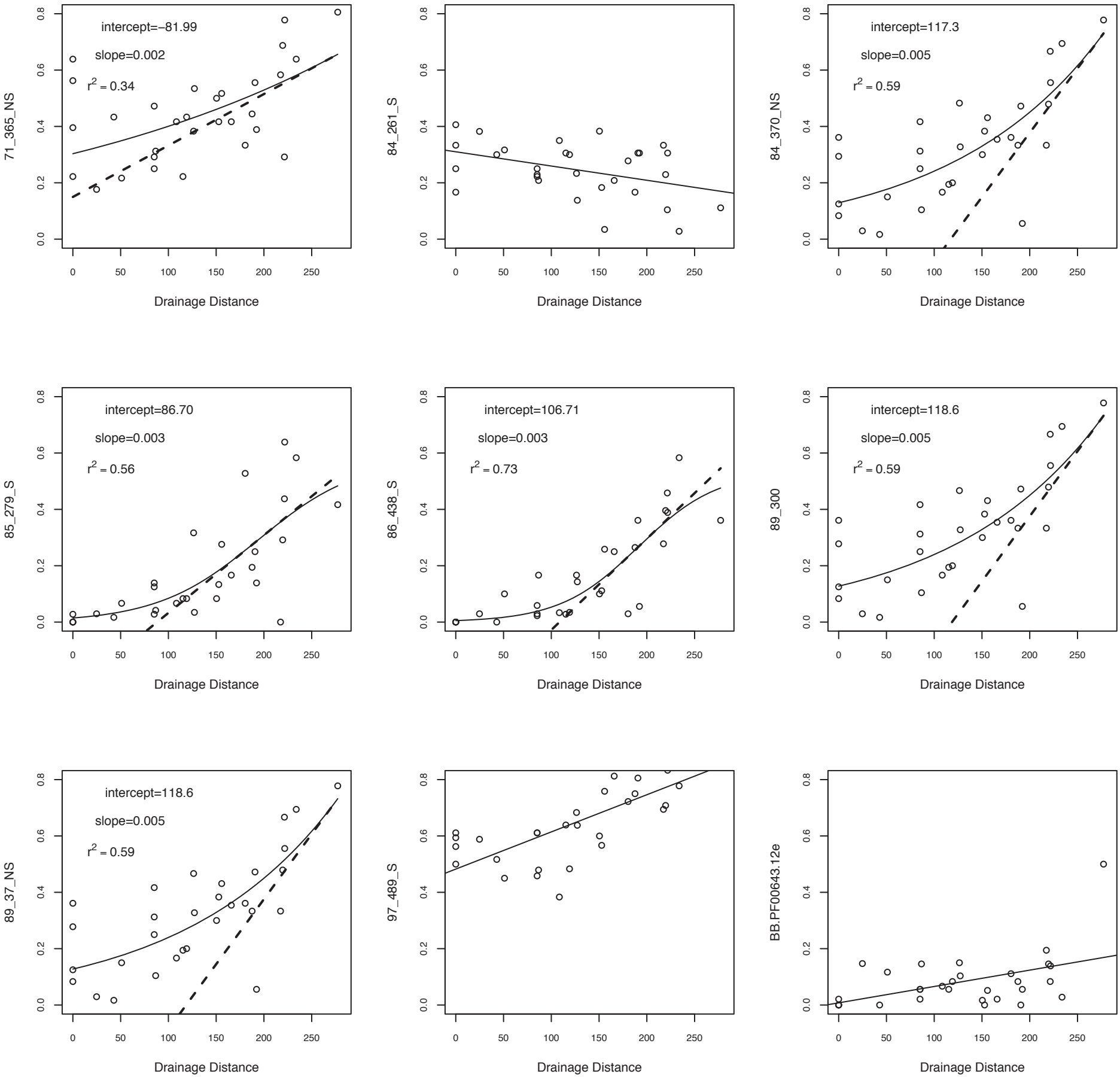

244_118_NS
Drainage Distance

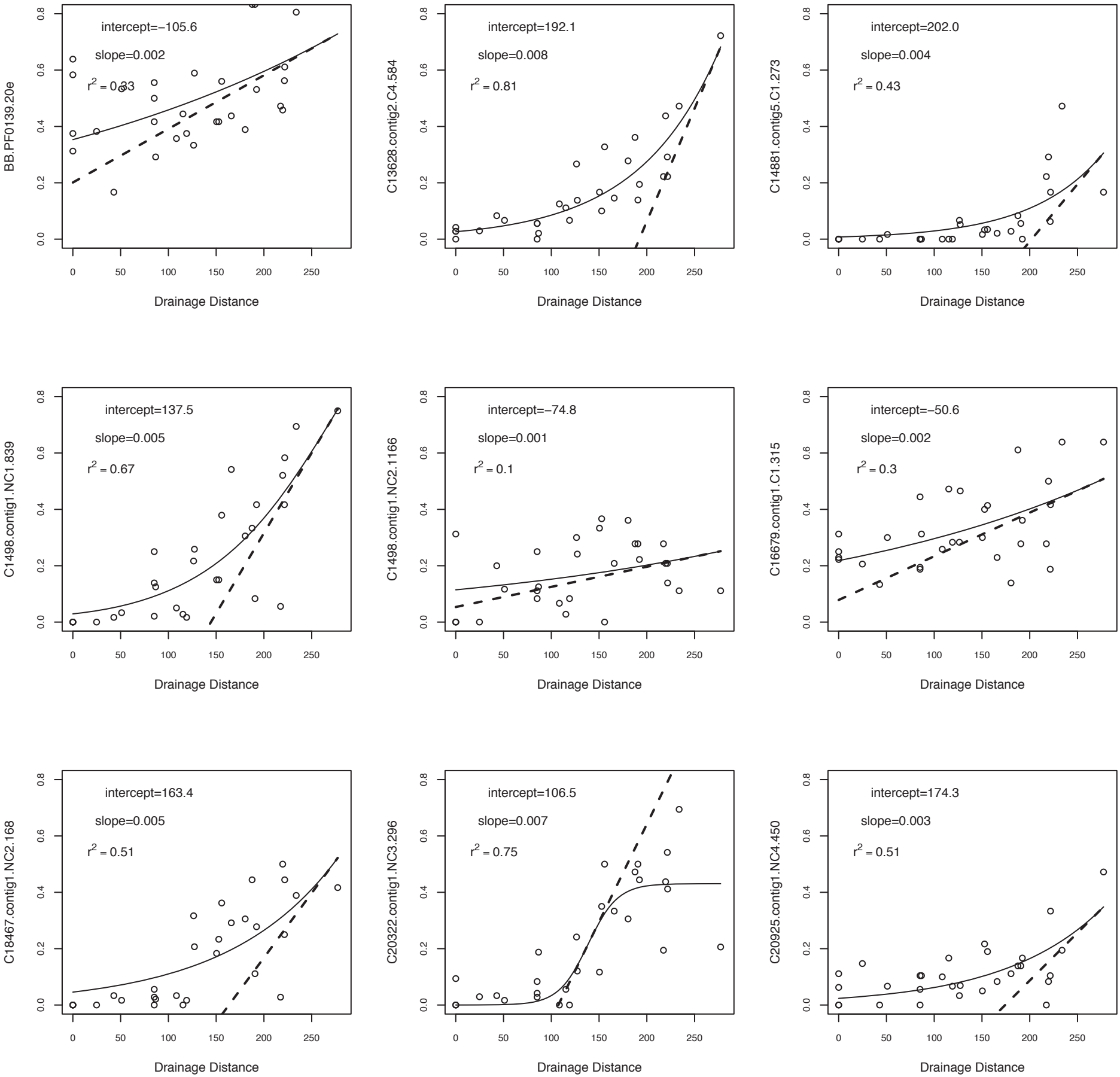

intercept=140.6
slope=0.004
r2 = 0.51
245_170_NS
Drainage Distance

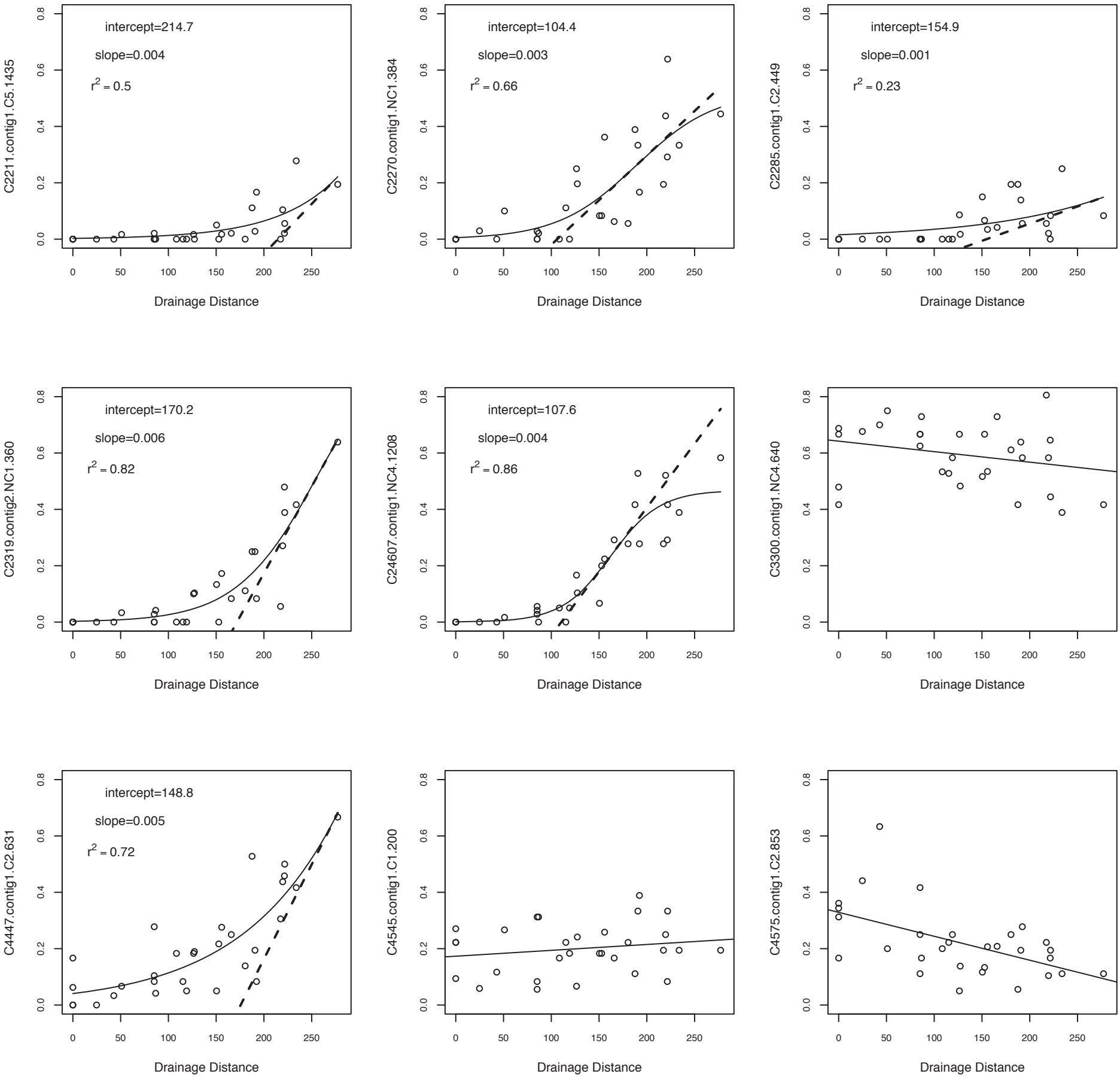

intercept=−76.7
slope=0.002
r2 = 0.27
245_281_S
intercept=−154.3
slope=0.003
r2 = 0.42
245_98_NS
intercept=−574.2
slope=0.001
r2 = 0.09
249_648_S
intercept=97.70
slope=0.002
r2 = 0.38
252_200_NS
intercept=74.01
slope=0.003
r2 = 0.65
259_736_NS
intercept=82.41
slope=0.003
r2 = 0.66
260_264_S
intercept=74.02
slope=0.003
r2 = 0.67
260_84_S
27_420_S
intercept=145.9
slope=0.003
r2 = 0.45
27_711_S
Drainage Distance

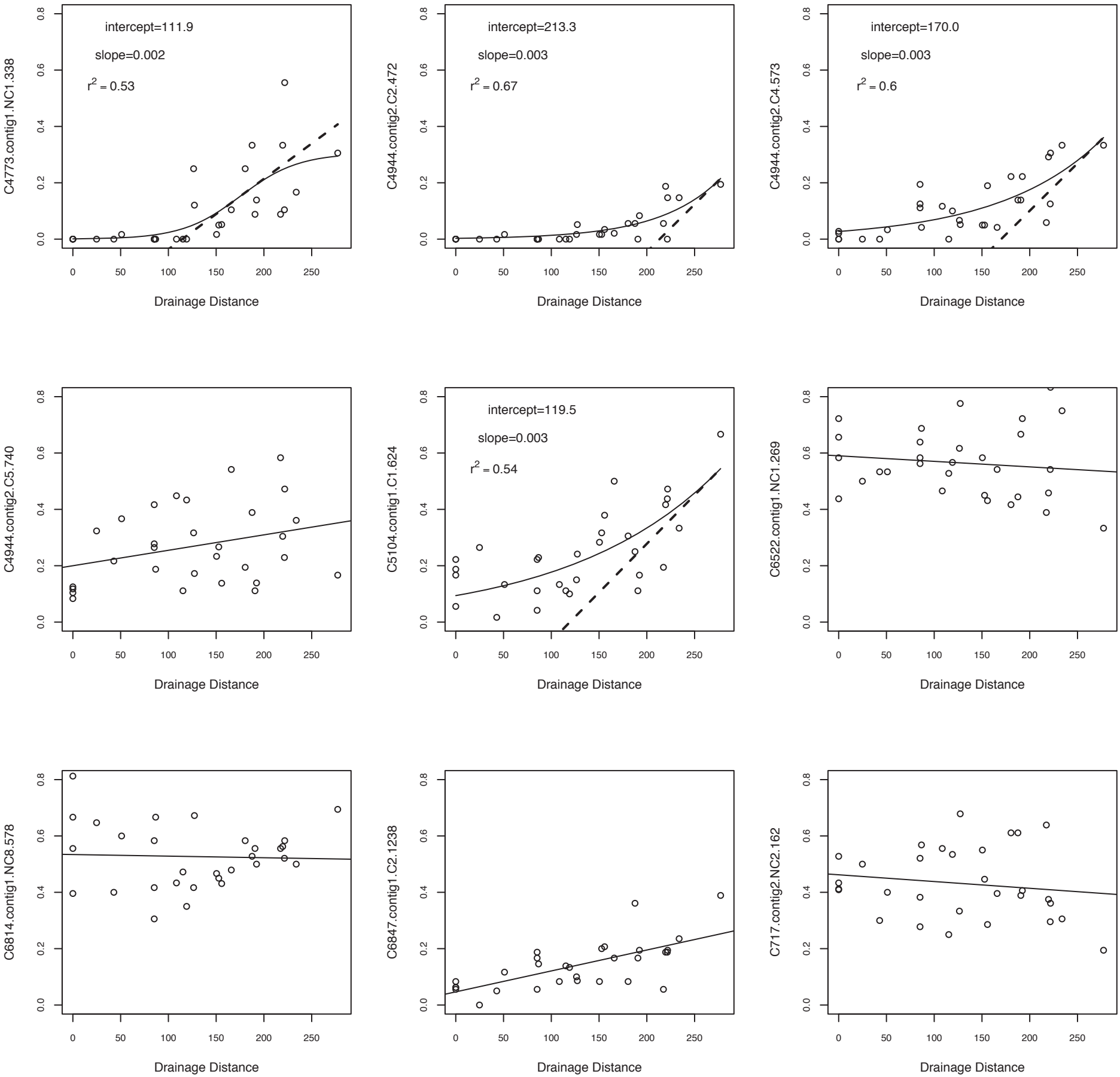

27_99_S
273507_S
288_302_NS
intercept=49.87
slope=0.003
r2 = 0.67
29_177_S
29_592_S
intercept=46.46
slope=0.003
r2 = 0.39
295_78_S
intercept=75.55
slope=0.003
r2 = 0.45
2iTC2438a
intercept=96.10
slope=0.003
r2 = 0.47
2pa08pg12519k
intercept=74.46
slope=0.002
r2 = 0.67
2TC7674e
intercept=152.4
slope=0.002
r2 = 0.3
Drainage Distance

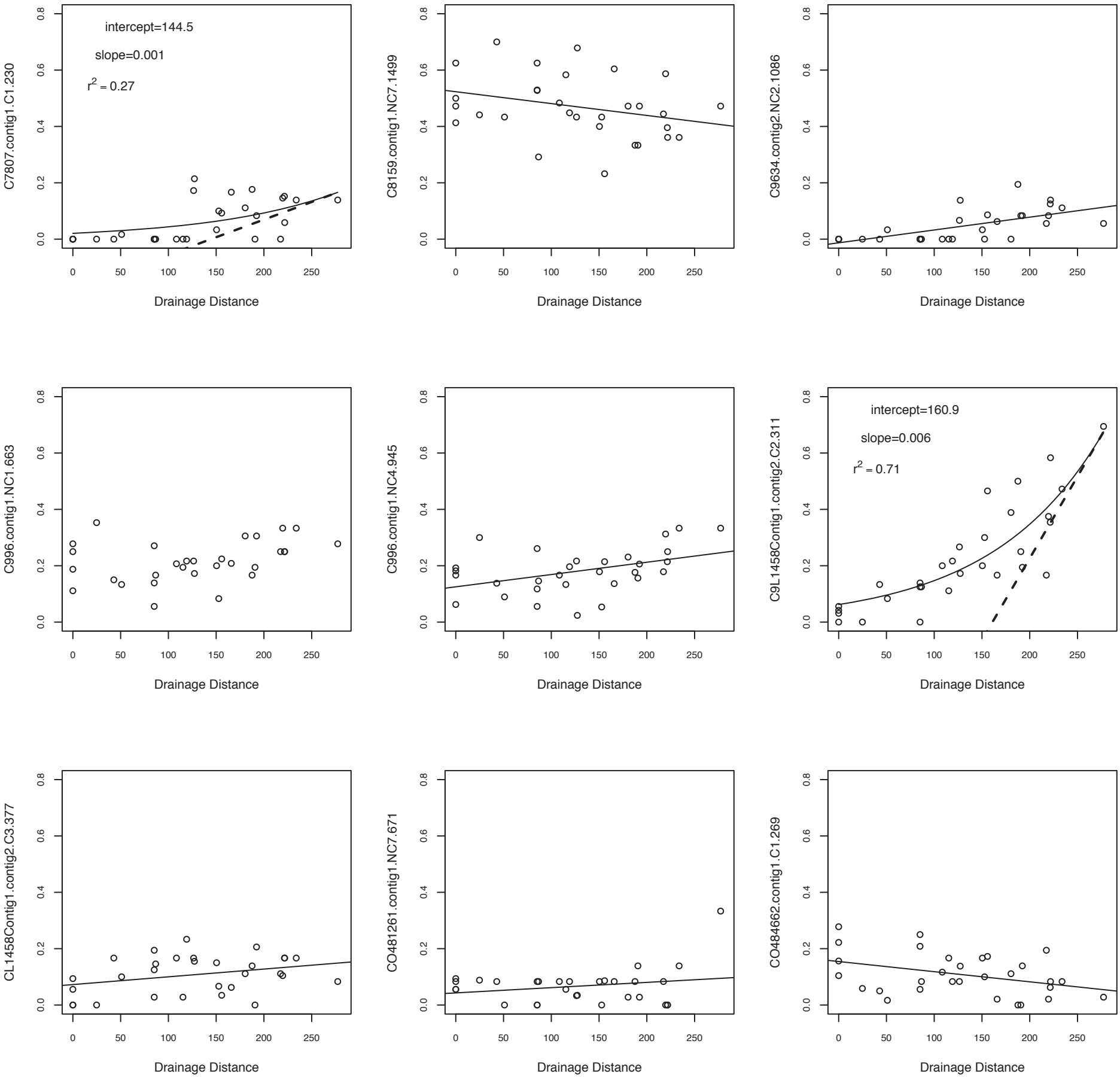

30_423_S
41_150_NS
145_1067_NS
46_575_NS
46_623_NS
intercept=−268.4
slope=0.001
r2 = 0.36
50_135_S
intercept=100.46
slope=0.001
r2 = 0.26
51_36_S
intercept=186.7
slope=0.007
r2 = 0.67
68_286_S
intercept=163.2
slope=0.008
r2 = 0.8
69_753_S
Drainage Distance

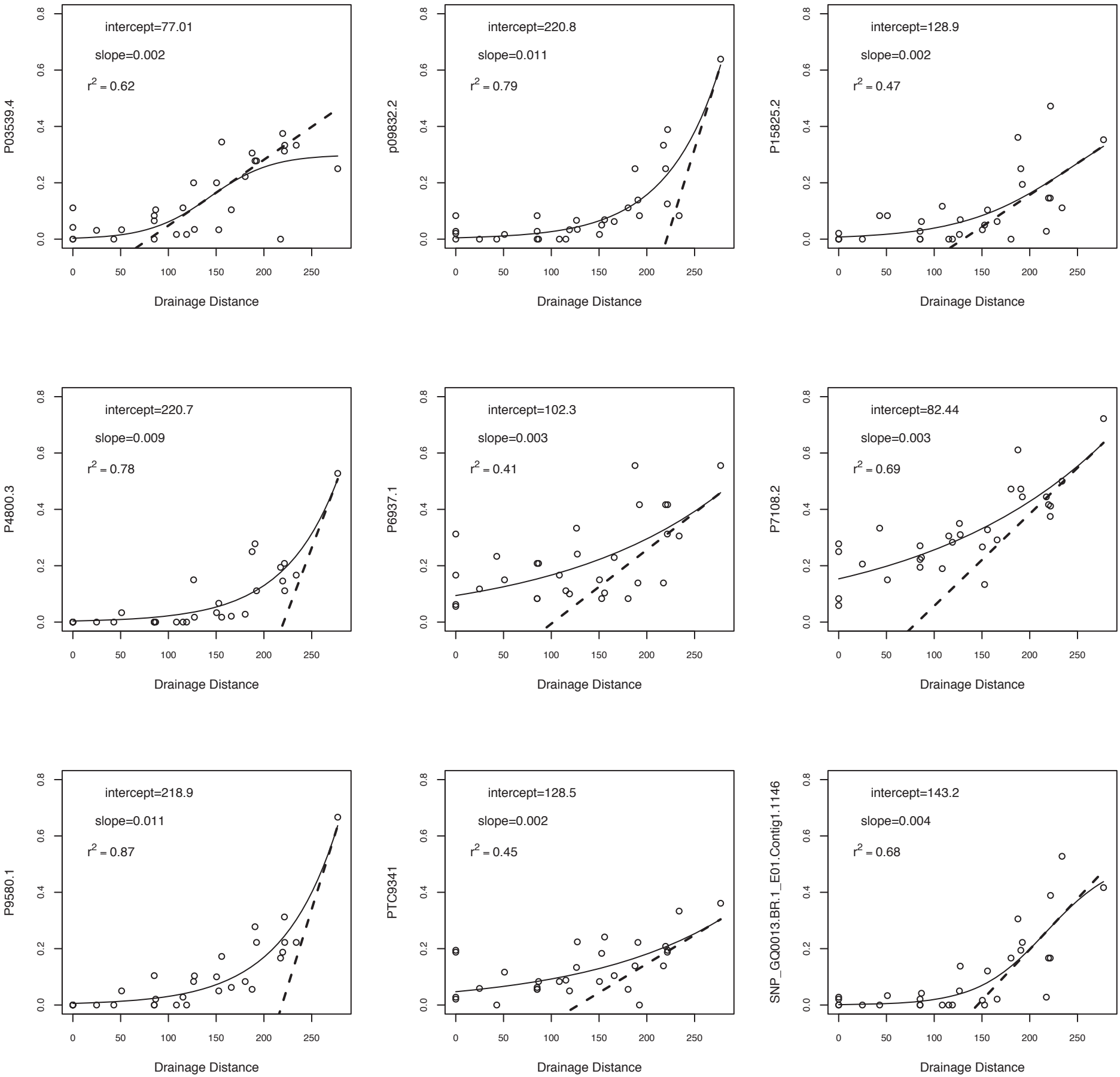

71_365_NS
intercept=−81.99
slope=0.002
r2 = 0.34
84_261_S
84_370_NS
intercept=117.3
slope=0.005
r2 = 0.59
85_279_S
intercept=86.70
slope=0.003
r2 = 0.56
86_438_S
intercept=106.71
slope=0.003
r2 = 0.73
89_300
intercept=118.6
slope=0.005
r2 = 0.59
89_37_NS
intercept=118.6
slope=0.005
r2 = 0.59
97_489_S
BB.PF00643.12e
Drainage Distance

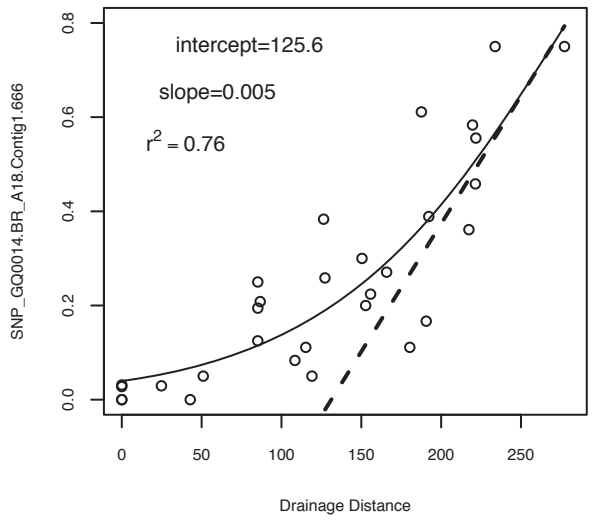

BB.PF0139.20e
intercept=−105.6
slope=0.002
r2 = 0.33
C13628.contig2.C4.584
intercept=192.1
slope=0.008
r2 = 0.81
C14881.contig5.C1.273
intercept=202.0
slope=0.004
r2 = 0.43
C1498.contig1.NC1.839
intercept=137.5
slope=0.005
r2 = 0.67
C1498.contig1.NC2.1166
intercept=−74.8
slope=0.001
r2 = 0.1
C16679.contig1.C1.315
intercept=−50.6
slope=0.002
r2 = 0.3
C18467.contig1.NC2.168
intercept=163.4
slope=0.005
r2 = 0.51
C20322.contig1.NC3.296
intercept=106.5
slope=0.007
r2 = 0.75
C20925.contig1.NC4.450
intercept=174.3
slope=0.003
r2 = 0.51
Drainage Distance

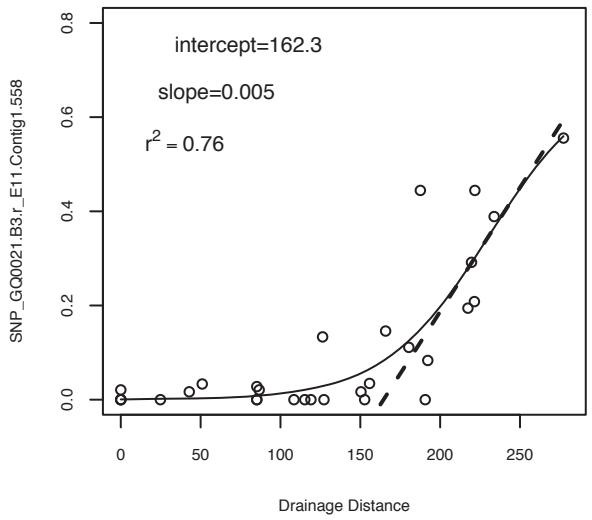

C2211.contig1.C5.1435
intercept=214.7
slope=0.004
r2 = 0.5
C2270.contig1.NC1.384
intercept=104.4
slope=0.003
r2 = 0.66
C2285.contig1.C2.449
intercept=154.9
slope=0.001
r2 = 0.23
C2319.contig2.NC1.360
intercept=170.2
slope=0.006
r2 = 0.82
C24607.contig1.NC4.1208
intercept=107.6
slope=0.004
r2 = 0.86
C3300.contig1.NC4.640
C4447.contig1.C2.631
intercept=148.8
slope=0.005
r2 = 0.72
C4545.contig1.C1.200
C4575.contig1.C2.853
Drainage Distance

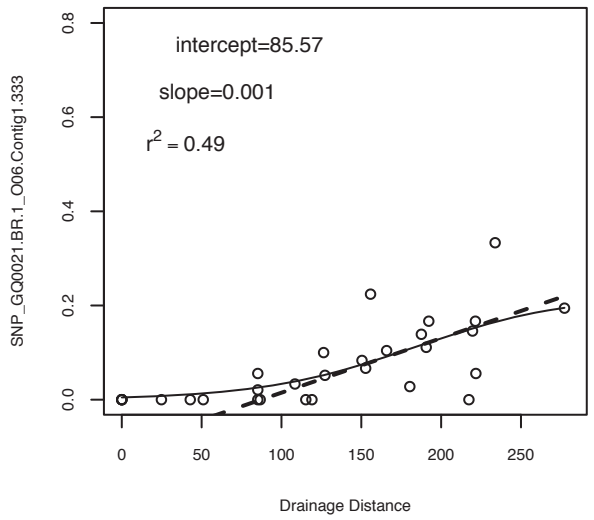

C4773.contig1.NC1.338
intercept=111.9
slope=0.002
r2 = 0.53
C4944.contig2.C2.472
intercept=213.3
slope=0.003
r2 = 0.67
C4944.contig2.C4.573
intercept=170.0
slope=0.003
r2 = 0.6
C4944.contig2.C5.740
C5104.contig1.C1.624
intercept=119.5
slope=0.003
r2 = 0.54
C6522.contig1.NC1.269
C6814.contig1.NC8.578
C6847.contig1.C2.1238
C717.contig2.NC2.162
Drainage Distance

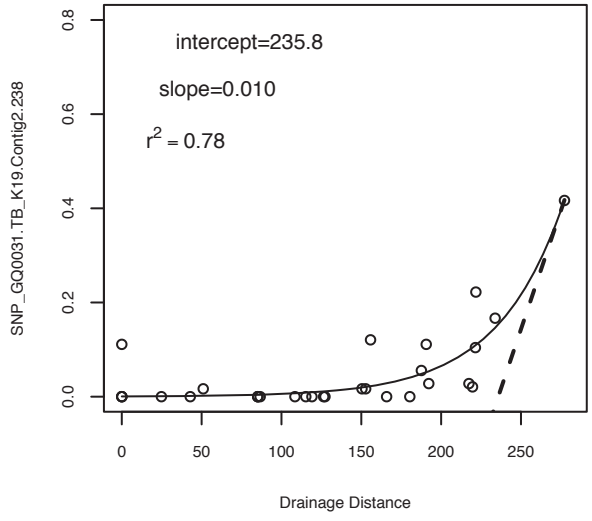

intercept=144.5
slope=0.001
r2 = 0.27
C7807.contig1.C1.230
C8159.contig1.NC7.1499
C9634.contig2.NC2.1086
C996.contig1.NC1.663
C996.contig1.NC4.945
intercept=160.9
slope=0.006
r2 = 0.71
C9L1458Contig1.contig2.C2.311
CL1458Contig1.contig2.C3.377
CO481261.contig1.NC7.671
CO484662.contig1.C1.269
Drainage Distance

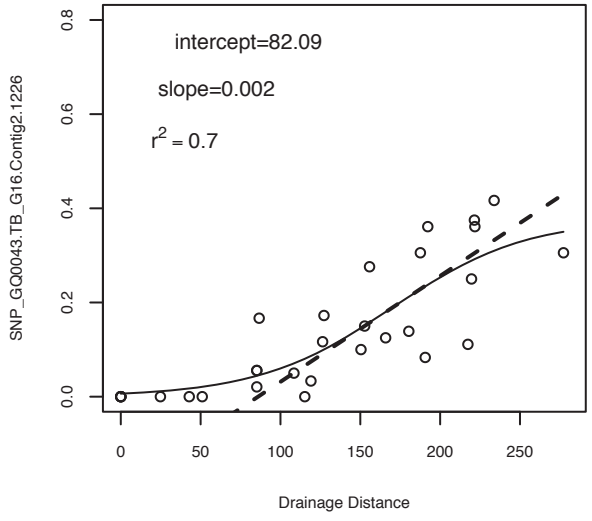

P03539.4
intercept=77.01
slope=0.002
r2 = 0.62
p09832.2
intercept=220.8
slope=0.011
r2 = 0.79
P15825.2
intercept=128.9
slope=0.002
r2 = 0.47
P4800.3
intercept=220.7
slope=0.009
r2 = 0.78
P6937.1
intercept=102.3
slope=0.003
r2 = 0.41
P7108.2
intercept=82.44
slope=0.003
r2 = 0.69
P9580.1
intercept=218.9
slope=0.011
r2 = 0.87
PTC9341
intercept=128.5
slope=0.002
r2 = 0.45
SNP_GQ0013.BR.1_E01.Contig1.1146
intercept=143.2
slope=0.004
r2 = 0.68
Drainage Distance

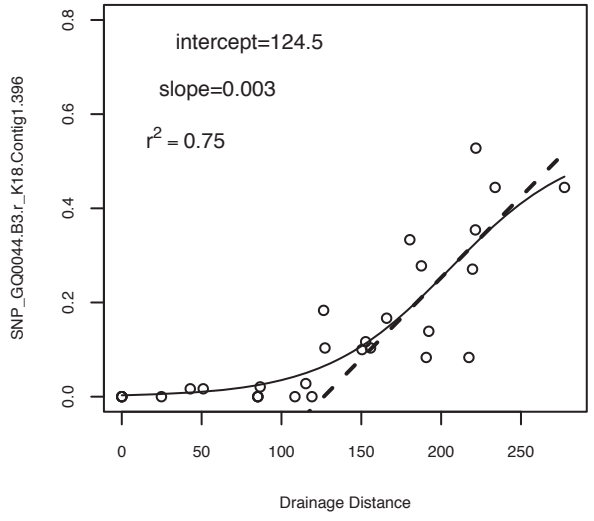

intercept=125.6
slope=0.005
r2 = 0.76
SNP_GQ0014.BR_A18.Contig1.666
Drainage Distance

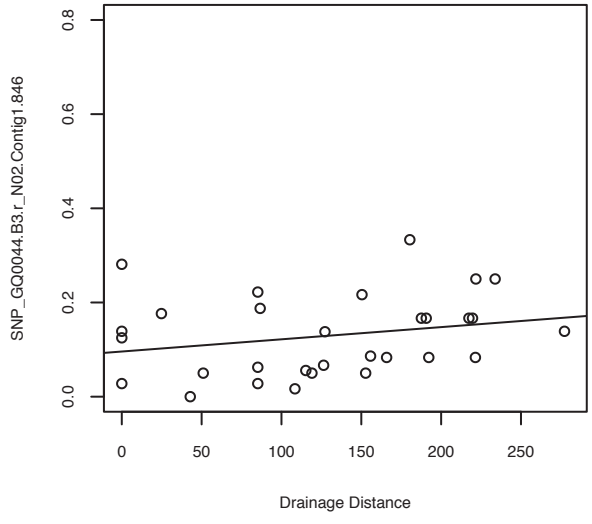

intercept=162.3
slope=0.005
r2 = 0.76
SNP_GQ0021.B3.r_E11.Contig1.558
Drainage Distance

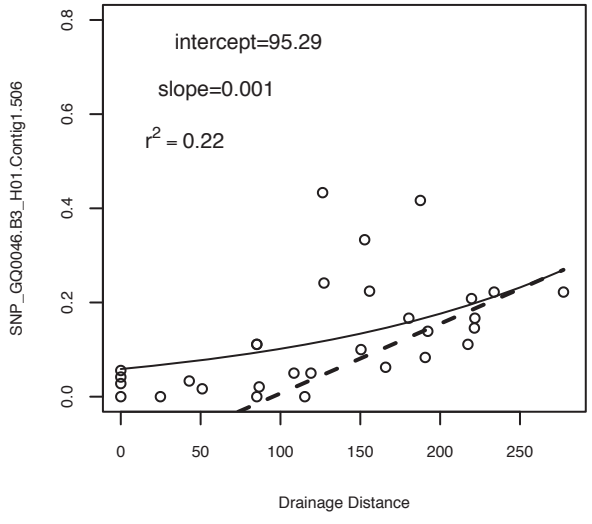

intercept=85.57
slope=0.001
r2 = 0.49
SNP_GQ0021.BR.1_O06.Contig1.333
Drainage Distance

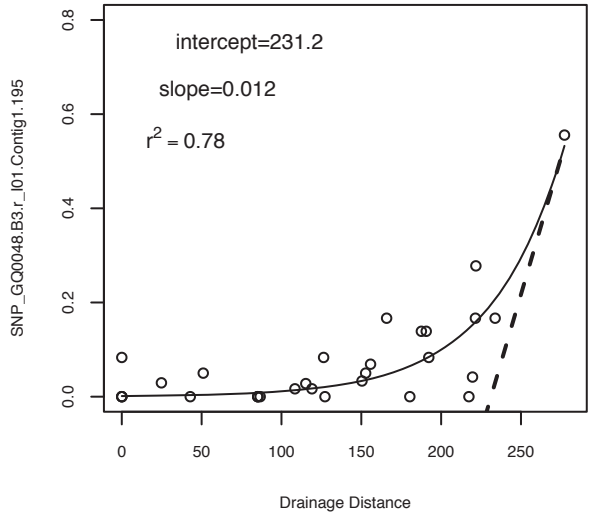

intercept=235.8
slope=0.010
r2 = 0.78
SNP_GQ0031.TB_K19.Contig2.238
Drainage Distance

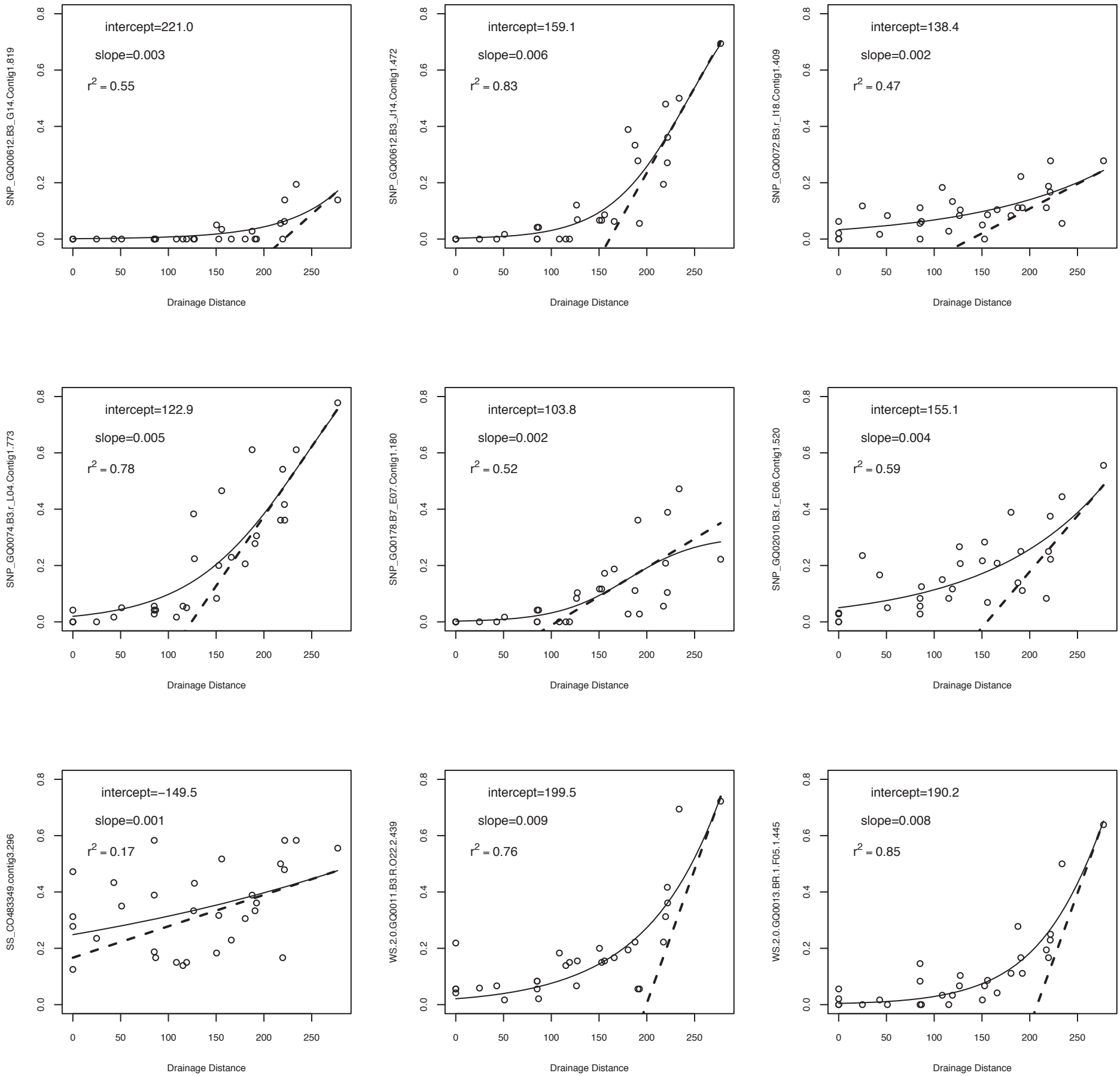

intercept=82.09
slope=0.002
r2 = 0.7
SNP_GQ0043.TB_G16.Contig2.1226
Drainage Distance

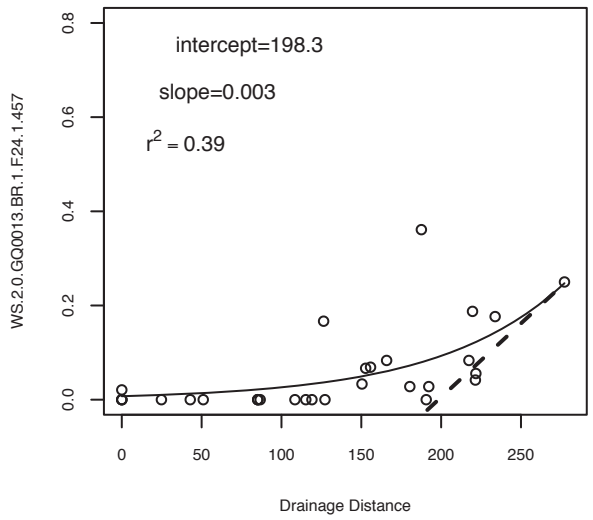

intercept=124.5
slope=0.003
r2 = 0.75
SNP_GQ0044.B3.r_K18.Contig1.396
Drainage Distance

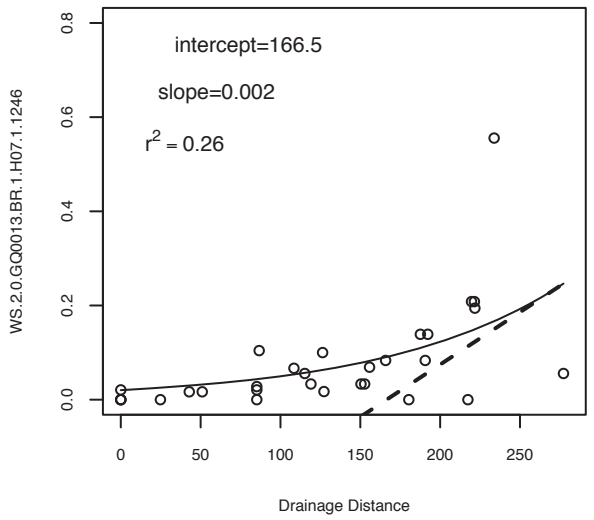

SNP_GQ0044.B3.r_N02.Contig1.846
Drainage Distance

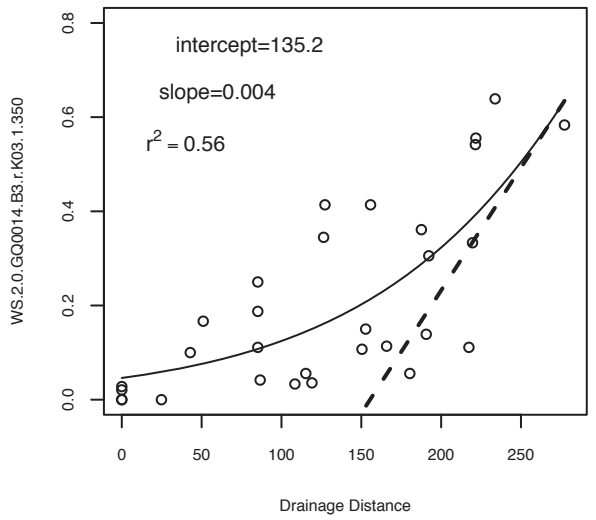

intercept=95.29
slope=0.001
r2 = 0.22
SNP_GQ0046.B3_H01.Contig1.506
Drainage Distance

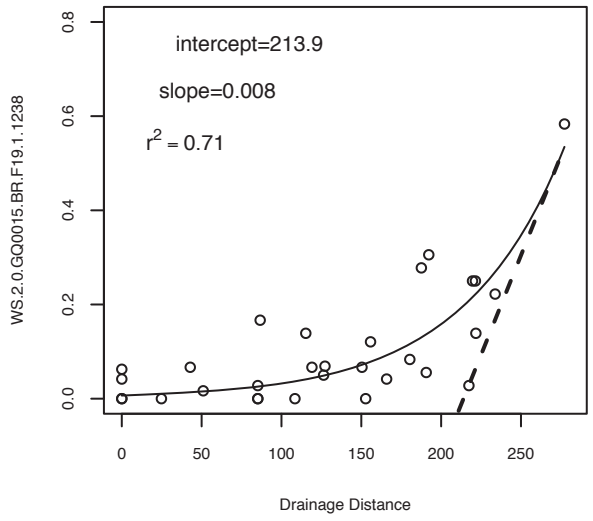

intercept=231.2
slope=0.012
r2 = 0.78
SNP_GQ0048.B3.r_I01.Contig1.195
Drainage Distance

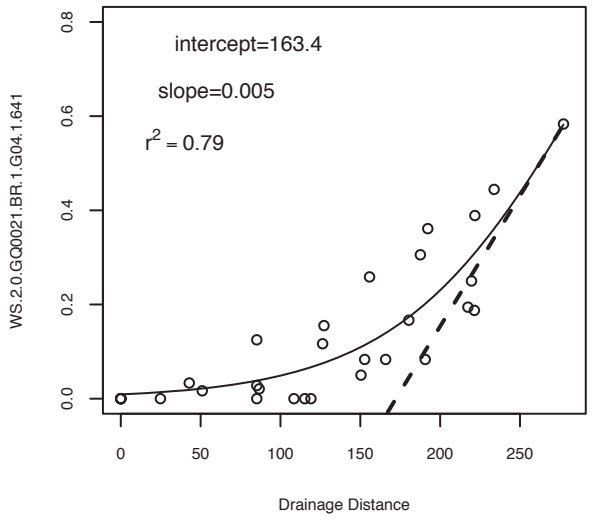

intercept=221.0
slope=0.003
r2 = 0.55
SNP_GQ00612.B3_G14.Contig1.819
intercept=159.1
slope=0.006
r2 = 0.83
SNP_GQ00612.B3_J14.Contig1.472
intercept=138.4
slope=0.002
r2 = 0.47
SNP_GQ0072.B3.r_I18.Contig1.409
intercept=122.9
slope=0.005
r2 = 0.78
SNP_GQ0074.B3.r_L04.Contig1.773
intercept=103.8
slope=0.002
r2 = 0.52
SNP_GQ0178.B7_E07.Contig1.180
intercept=155.1
slope=0.004
r2 = 0.59
SNP_GQ02010.B3.r_E06.Contig1.520
intercept=−149.5
slope=0.001
r2 = 0.17
SS_CO483349.contig3.296
intercept=199.5
slope=0.009
r2 = 0.76
WS.2.0.GQ0011.B3.R.O22.2.439
intercept=190.2
slope=0.008
r2 = 0.85
WS.2.0.GQ0013.BR.1.F05.1.445
Drainage Distance

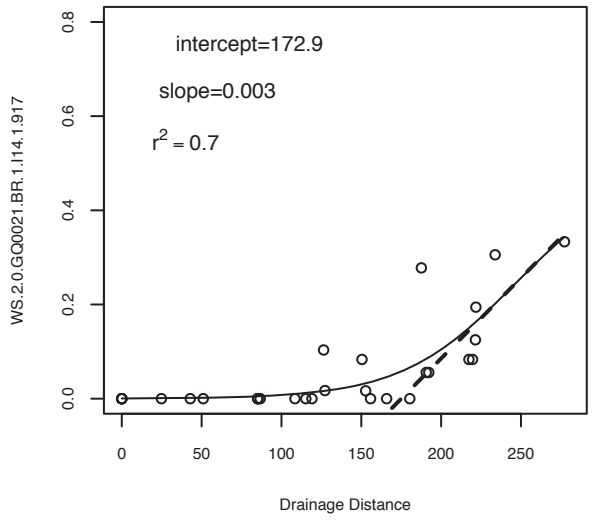

intercept=198.3
slope=0.003
r2 = 0.39
WS.2.0.GQ0013.BR.1.F24.1.457
Drainage Distance

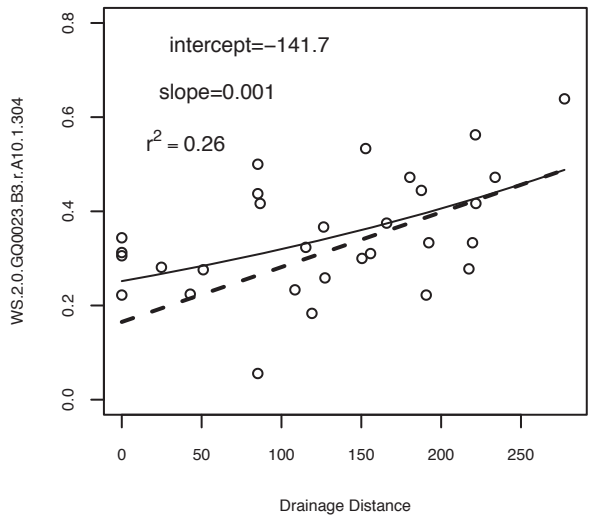

intercept=166.5
slope=0.002
r2 = 0.26
WS.2.0.GQ0013.BR.1.H07.1.1246
Drainage Distance

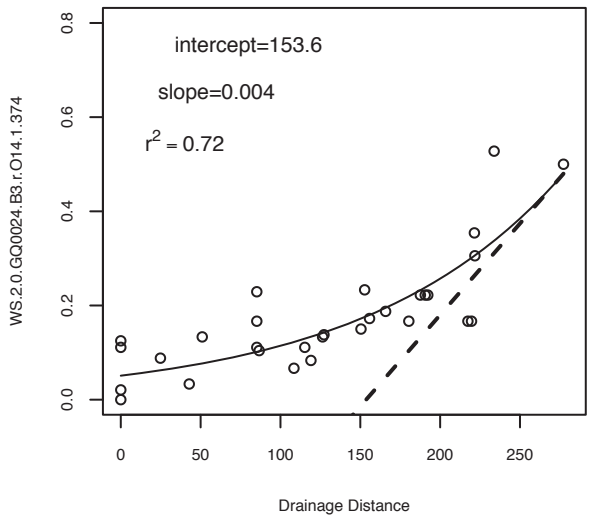

intercept=135.2
slope=0.004
r2 = 0.56
WS.2.0.GQ0014.B3.r.K03.1.350
Drainage Distance

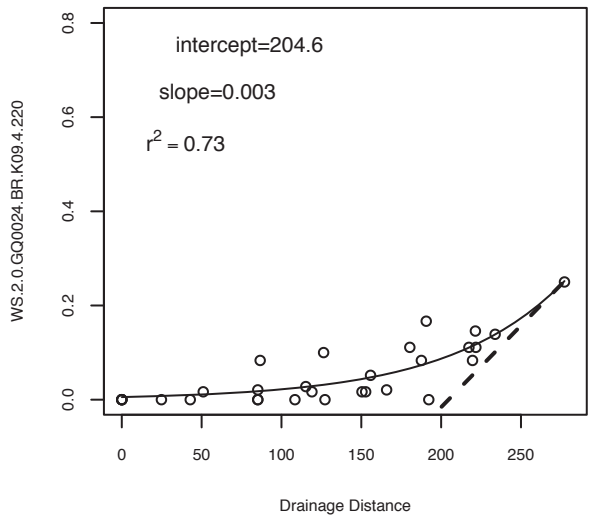

intercept=213.9
slope=0.008
r2 = 0.71
WS.2.0.GQ0015.BR.F19.1.1238
Drainage Distance

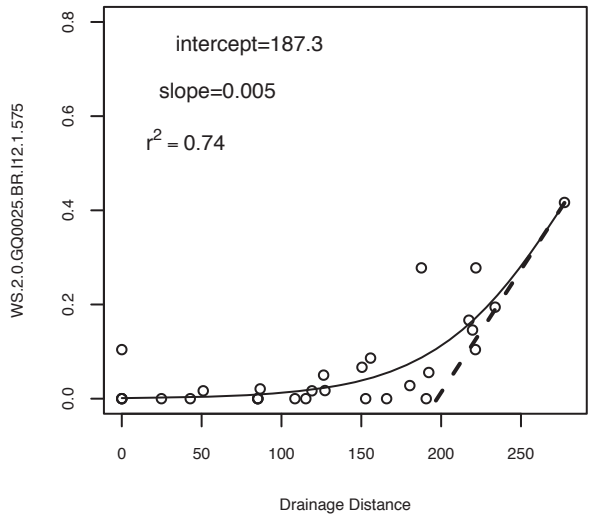

intercept=163.4
slope=0.005
r2 = 0.79
WS.2.0.GQ0021.BR.1.G04.1.641
Drainage Distance

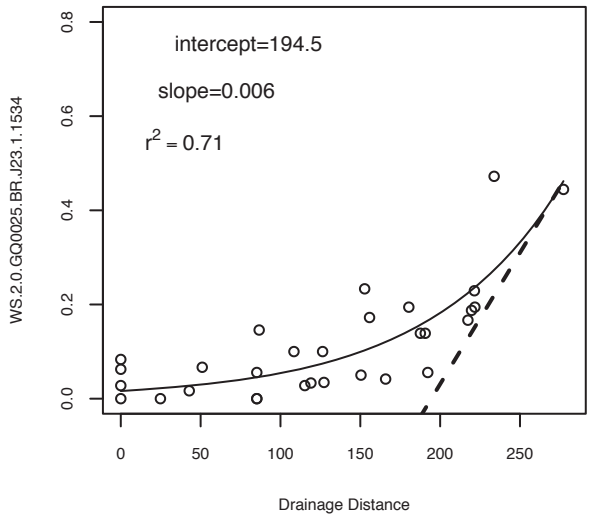

intercept=172.9
slope=0.003
r2 = 0.7
WS.2.0.GQ0021.BR.1.I14.1.917
Drainage Distance

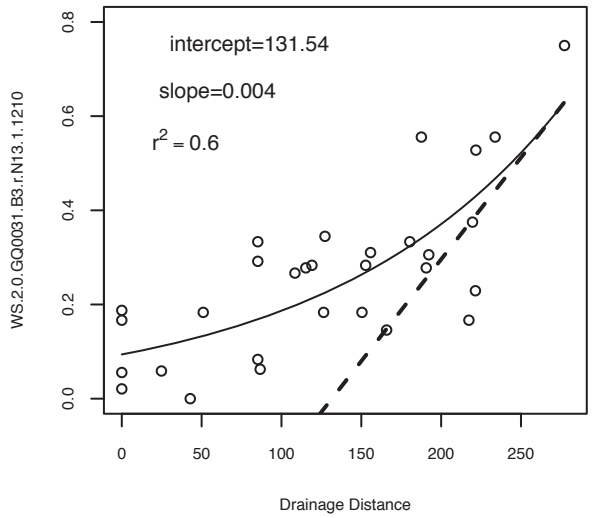

intercept=−141.7
slope=0.001
r2 = 0.26
WS.2.0.GQ0023.B3.r.A10.1.304
Drainage Distance

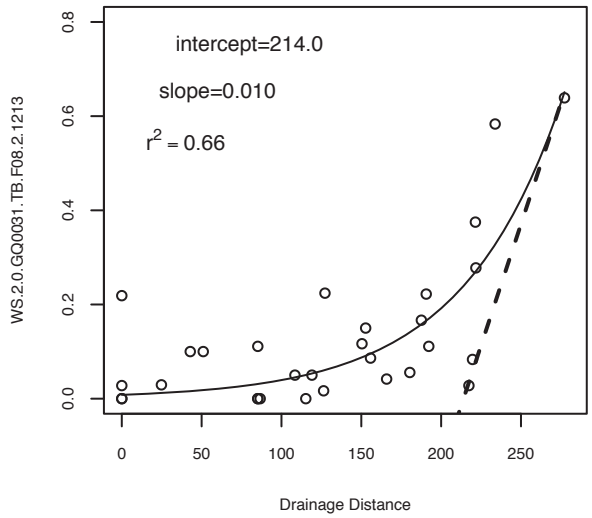

intercept=153.6
slope=0.004
r2 = 0.72
WS.2.0.GQ0024.B3.r.O14.1.374
Drainage Distance

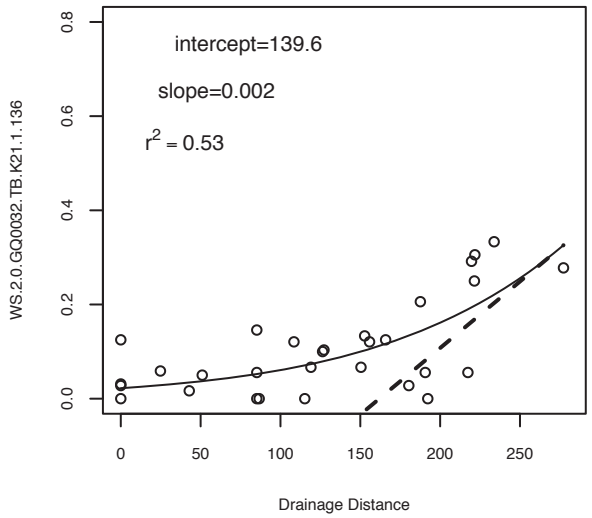

intercept=204.6
slope=0.003
r2 = 0.73
WS.2.0.GQ0024.BR.K09.4.220
Drainage Distance

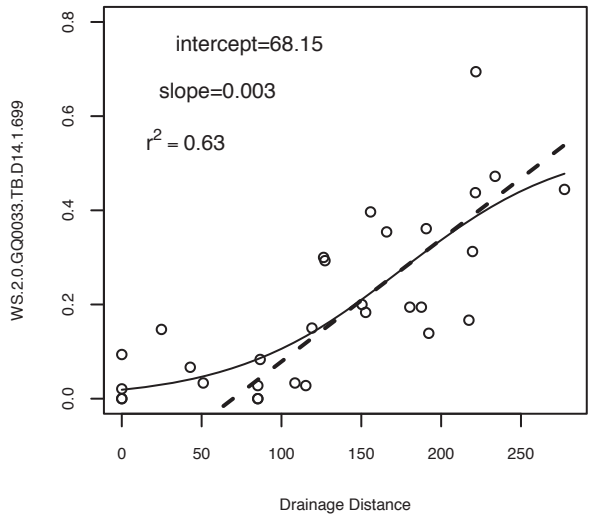

intercept=187.3
slope=0.005
r2 = 0.74
WS.2.0.GQ0025.BR.I12.1.575
Drainage Distance

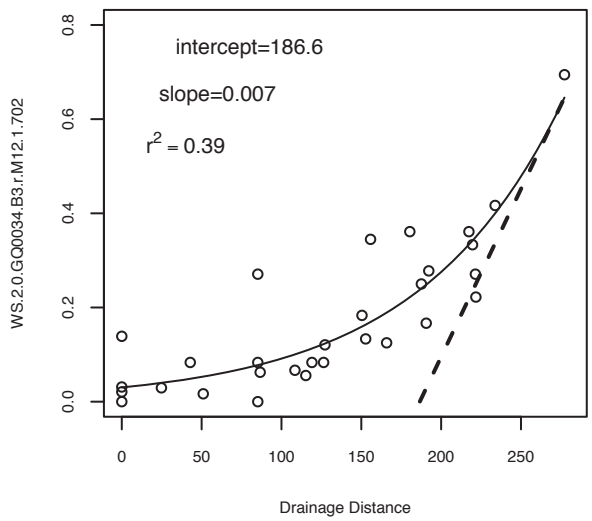

intercept=194.5
slope=0.006
r2 = 0.71
WS.2.0.GQ0025.BR.J23.1.1534
Drainage Distance

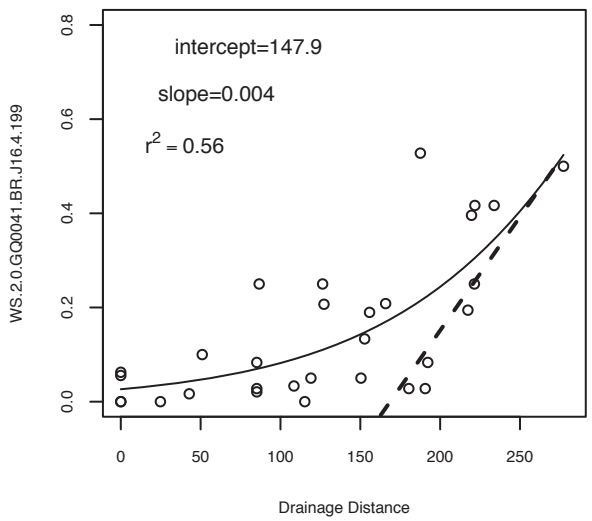

intercept=131.54
slope=0.004
r2 = 0.6
WS.2.0.GQ0031.B3.r.N13.1.1210
Drainage Distance

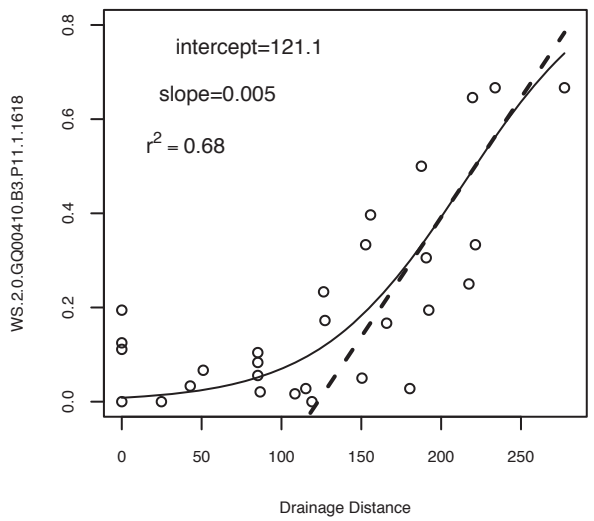

intercept=214.0
slope=0.010
r2 = 0.66
WS.2.0.GQ0031.TB.F08.2.1213
Drainage Distance

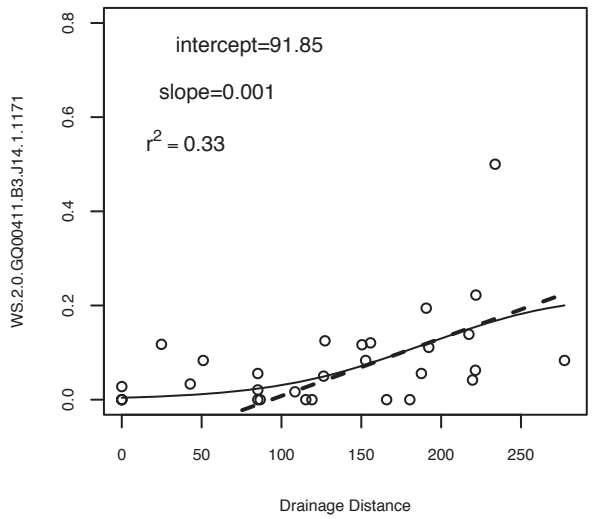

intercept=139.6
slope=0.002
r2 = 0.53
WS.2.0.GQ0032.TB.K21.1.136
Drainage Distance

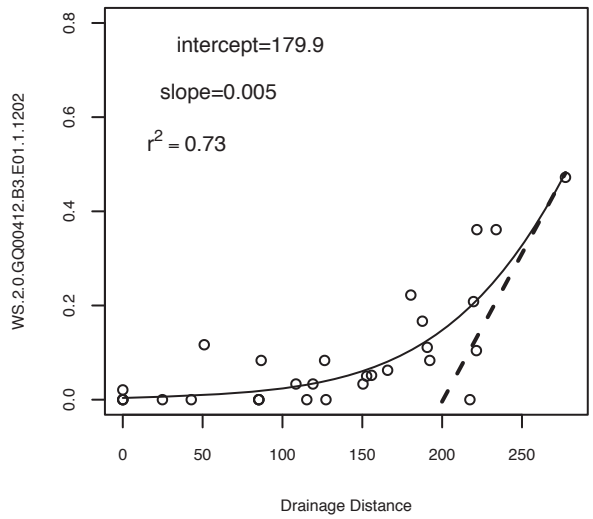

intercept=68.15
slope=0.003
r2 = 0.63
WS.2.0.GQ0033.TB.D14.1.699
Drainage Distance

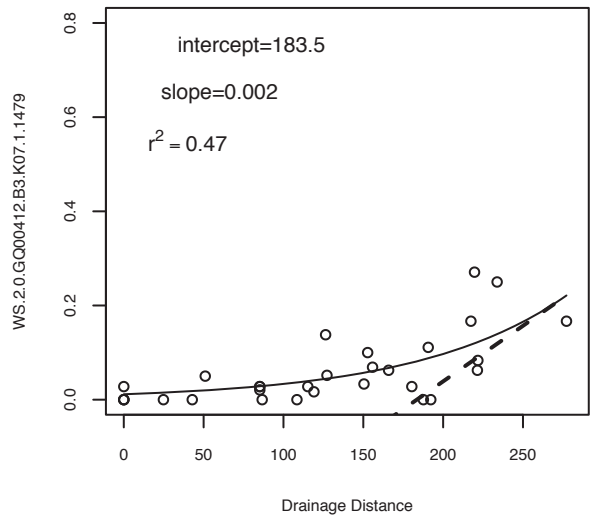

intercept=186.6
slope=0.007
r2 = 0.39
WS.2.0.GQ0034.B3.r.M12.1.702
Drainage Distance


intercept=147.9
slope=0.004
r2 = 0.56
WS.2.0.GQ0041.BR.J16.4.199
Drainage Distance


intercept=121.1
slope=0.005
r2 = 0.68
WS.2.0.GQ00410.B3.P11.1.1618
Drainage Distance


intercept=91.85
slope=0.001
r2 = 0.33
WS.2.0.GQ00411.B3.J14.1.1171
Drainage Distance


intercept=179.9
slope=0.005
r2 = 0.73
WS.2.0.GQ00412.B3.E01.1.1202
Drainage Distance


intercept=183.5
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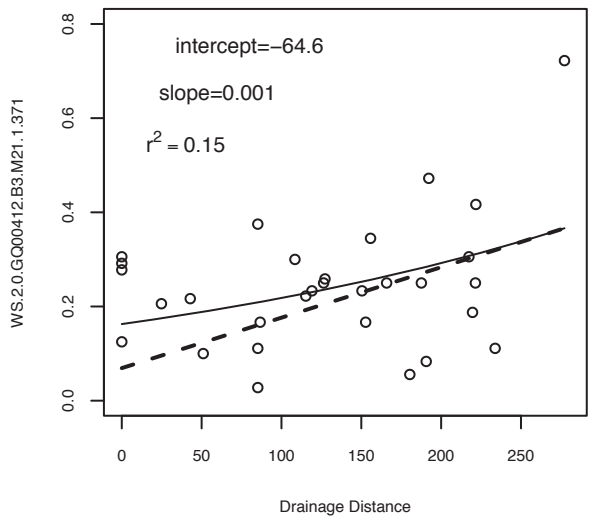
r2 = 0.47
WS.2.0.GQ00412.B3.K07.1.1479
Drainage Distance


intercept=−64.6
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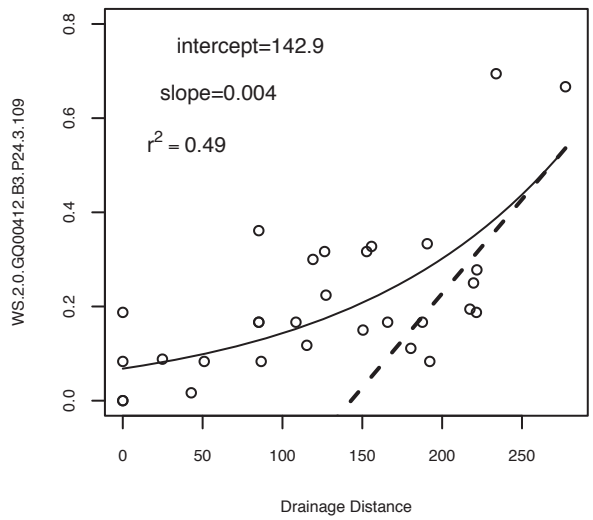
r2 = 0.15
WS.2.0.GQ00412.B3.M21.1.371
Drainage Distance


intercept=142.9
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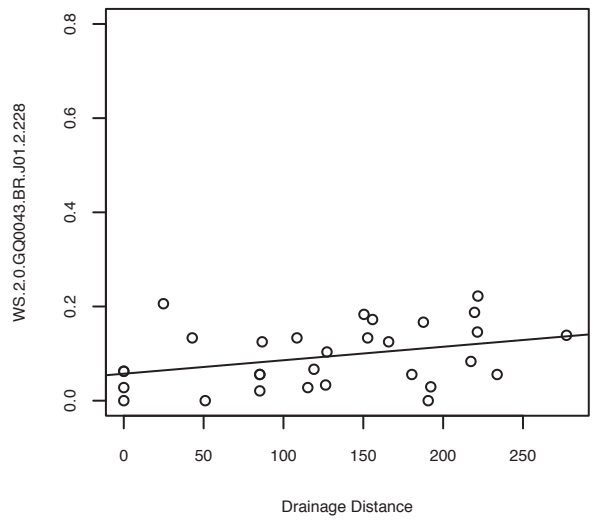
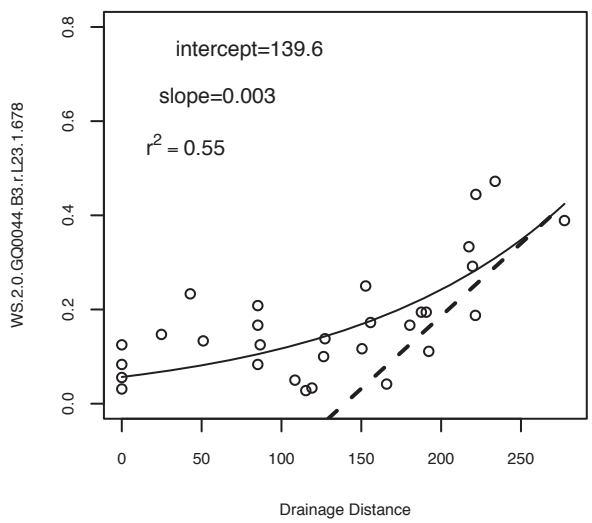
r2 = 0.49
WS.2.0.GQ00412.B3.P24.3.109
Drainage Distance


WS.2.0.GQ0043.BR.J01.2.228
Drainage Distance


intercept=139.6
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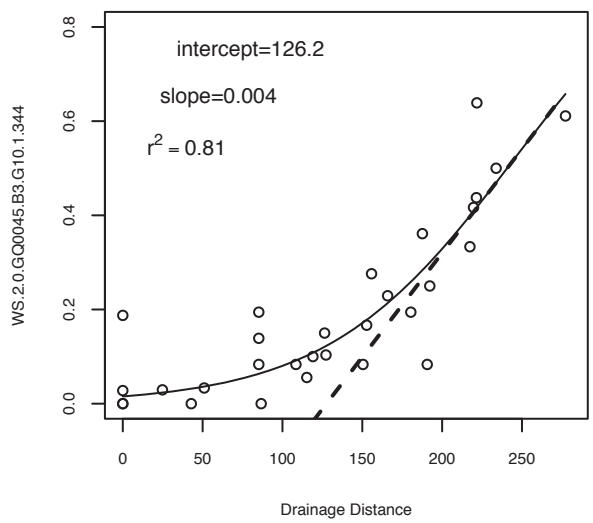
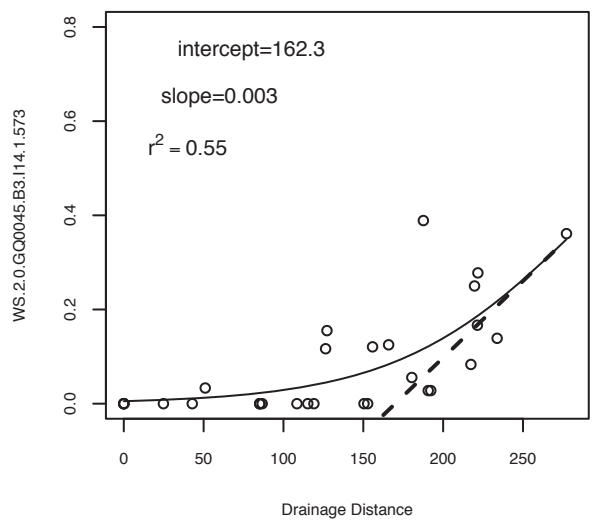
r2 = 0.55
WS.2.0.GQ0044.B3.rL23.1.678
Drainage Distance


intercept=126.2
slope=0.004
r2 = 0.81
WS.2.0.GQ0045.B3.G10.1.344
Drainage Distance


intercept=162.3
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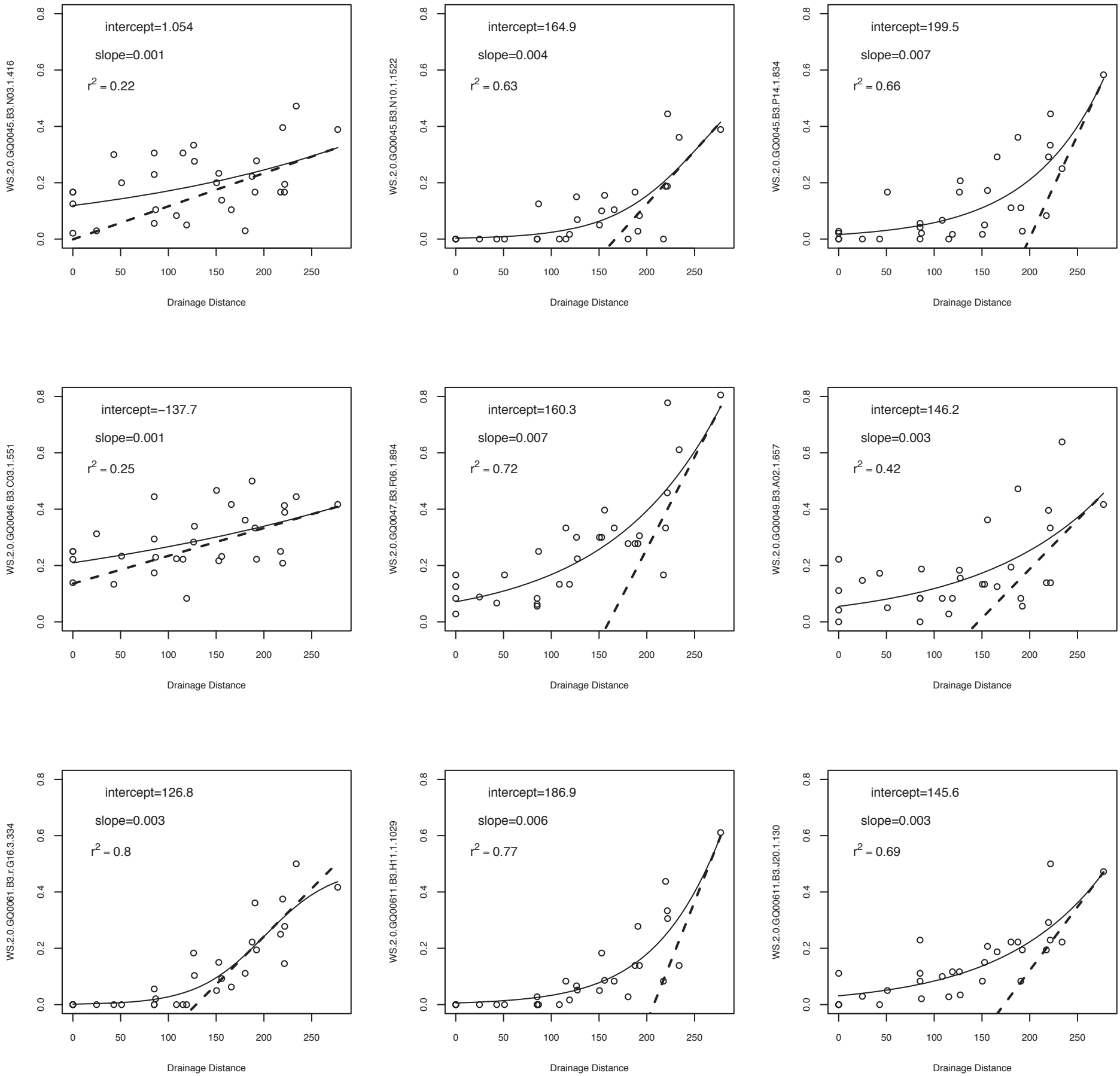
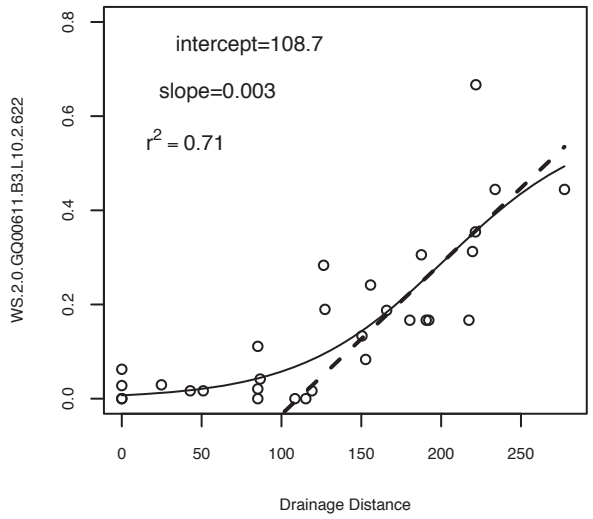
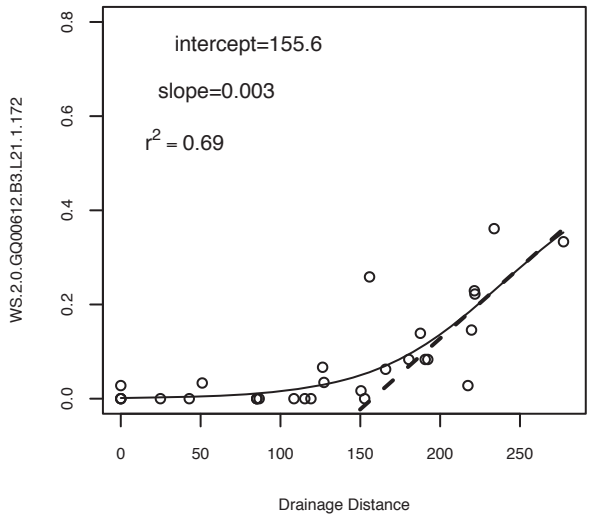
r2 = 0.55
WS.2.0.GQ0045.B3.I14.1.573
Drainage Distance


WS.2.0.GQ0045.B3.N03.1.416
intercept=1.054
slope=0.001
r2 = 0.22
WS.2.0.GQ0045.B3.N10.1.1522
intercept=164.9
slope=0.004
r2 = 0.63
WS.2.0.GQ0045.B3.P14.1.834
intercept=199.5
slope=0.007
r2 = 0.66
WS.2.0.GQ0046.B3.C03.1.551
intercept=−137.7
slope=0.001
r2 = 0.25
WS.2.0.GQ0047.B3.F06.1.894
intercept=160.3
slope=0.007
r2 = 0.72
WS.2.0.GQ0049.B3.A02.1.657
intercept=146.2
slope=0.003
r2 = 0.42
WS.2.0.GQ0061.B3.r.G16.3.334
intercept=126.8
slope=0.003
r2 = 0.8
WS.2.0.GQ00611.B3.H11.1.1029
intercept=186.9
slope=0.006
r2 = 0.77
WS.2.0.GQ00611.B3.J20.1.130
intercept=145.6
slope=0.003
r2 = 0.69
Drainage Distance


intercept=108.7
slope=0.003
r2 = 0.71
WS.2.0.GQ00611.B3.L10.2.622
Drainage Distance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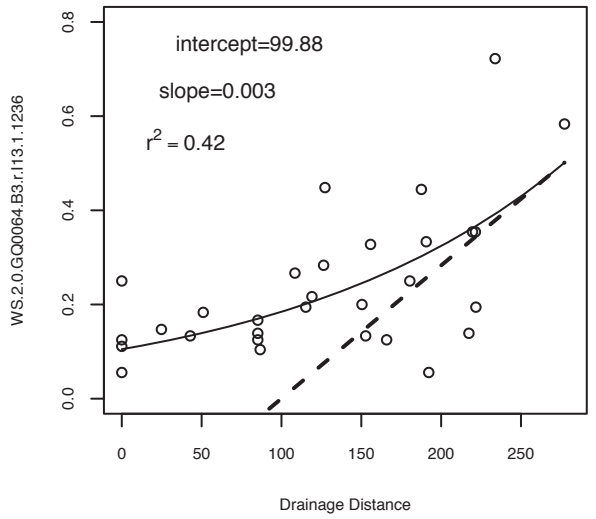
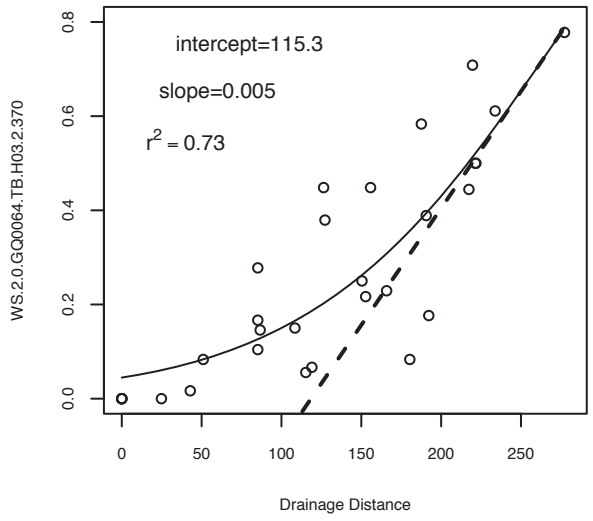
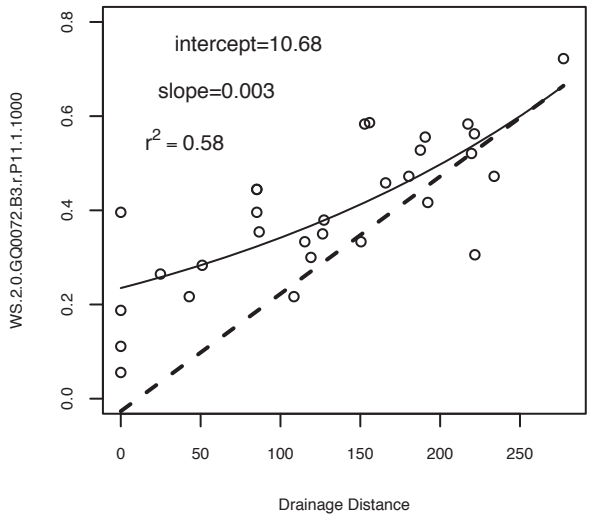
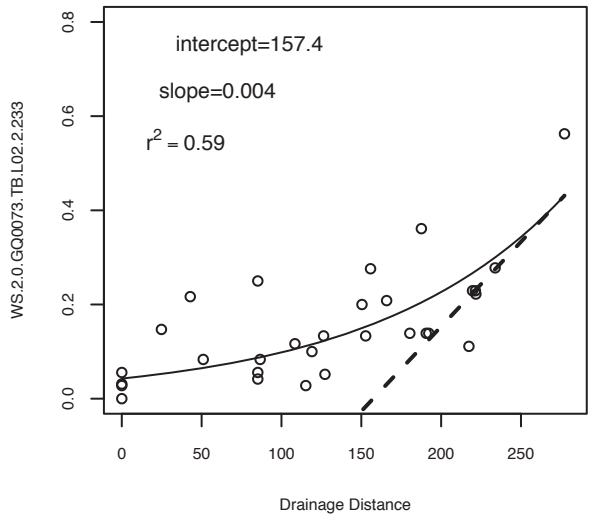
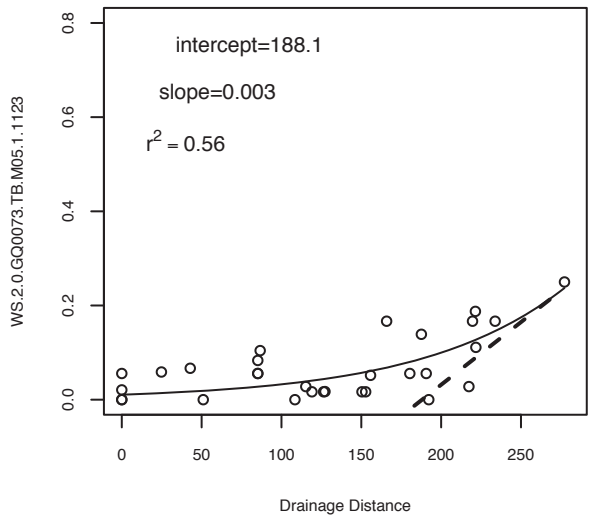
WS.2.0.GQ00612.B3.L21.1.172
Drainage Distance

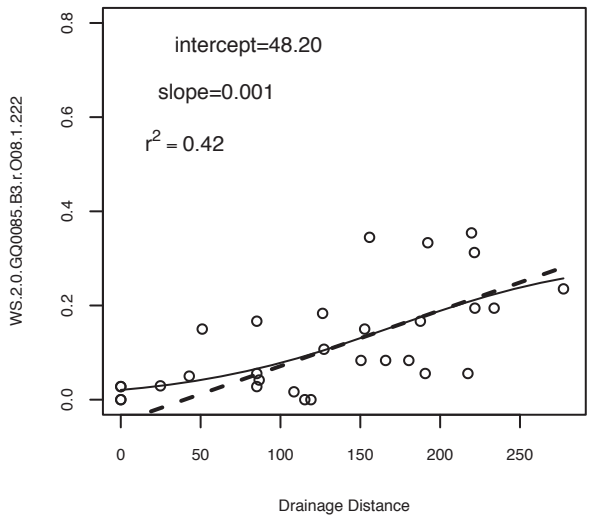

intercept=99.88
slope=0.003
r2 = 0.42
WS.2.0.GQ0064.B3.r.I13.1.1236
Drainage Distance

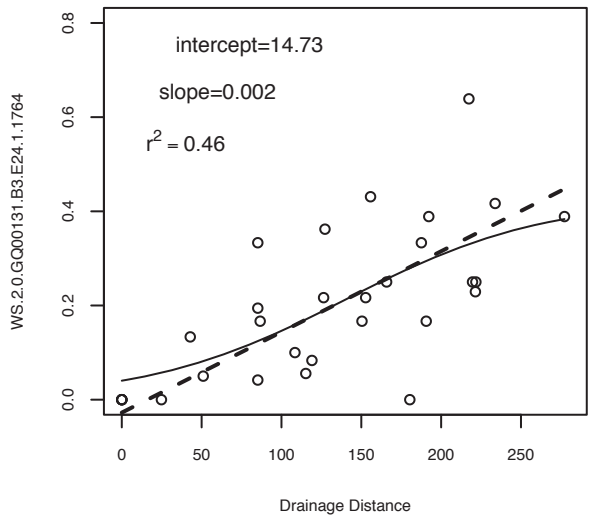

intercept=115.3
slope=0.005
r2 = 0.73
WS.2.0.GQ0064.TB.H03.2.370
Drainage Distance

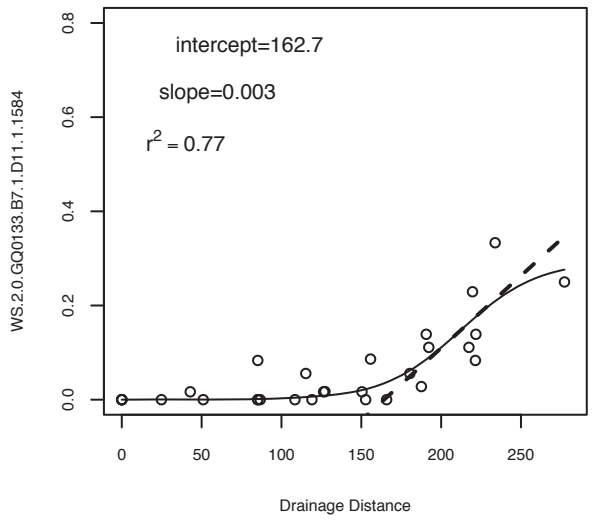

intercept=10.68
slope=0.003
r2 = 0.58
WS.2.0.GQ0072.B3.r.P11.1.1000
Drainage Distance

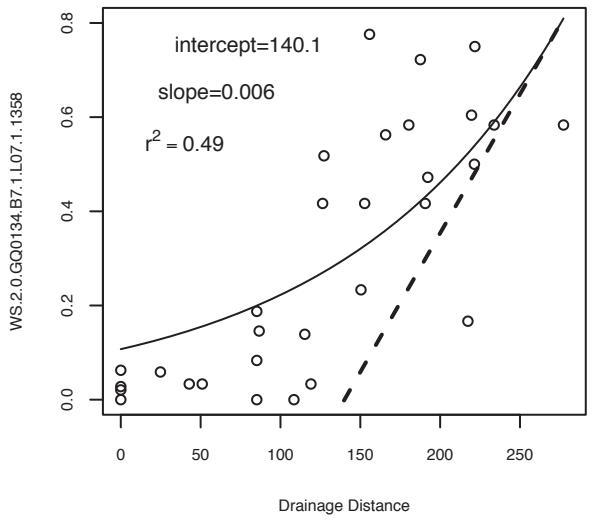

intercept=157.4
slope=0.004
r2 = 0.59
WS.2.0.GQ0073.TB.L02.2.233
Drainage Distance

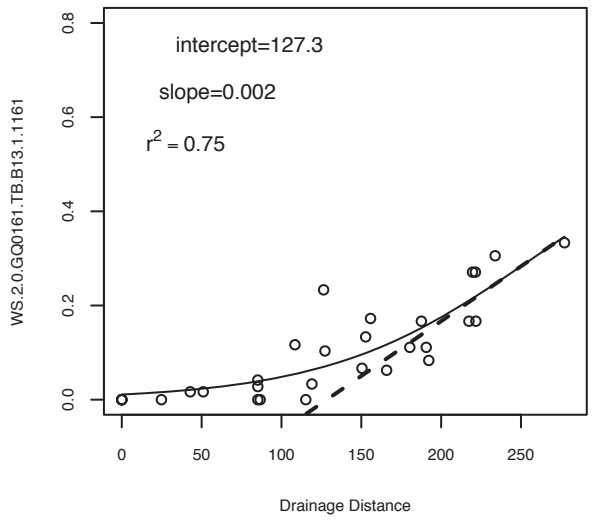

intercept=188.1
slope=0.003
r2 = 0.56
WS.2.0.GQ0073.TB.M05.1.1123
Drainage Distance

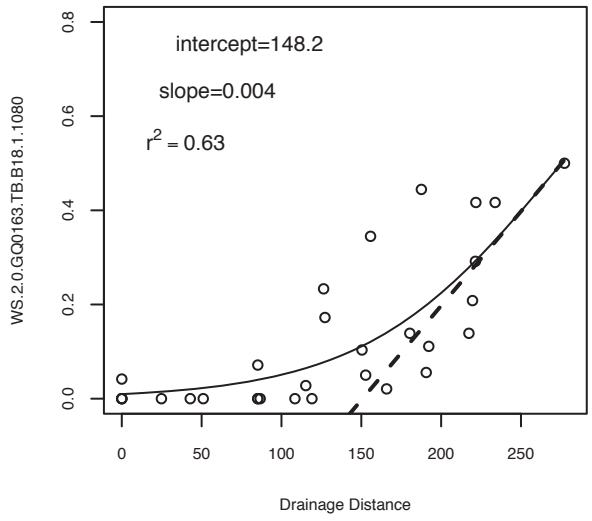

intercept=48.20
slope=0.001
r2 = 0.42
WS.2.0.GQ0085.B3.r.O08.1.222
Drainage Distance

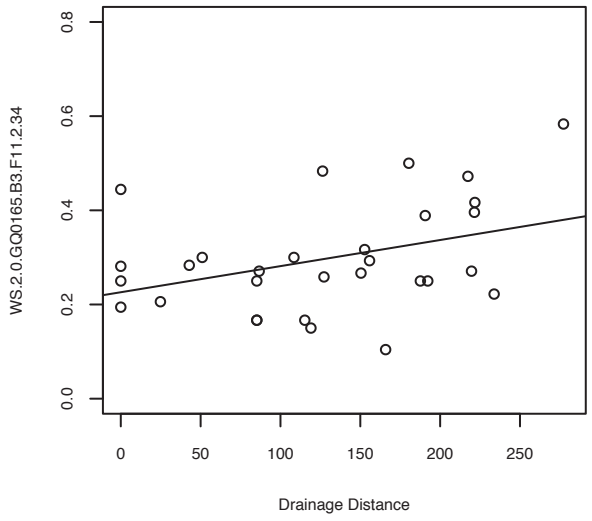

intercept=14.73
slope=0.002
r2 = 0.46
WS.2.0.GQ00131.B3.E24.1.1764
Drainage Distance

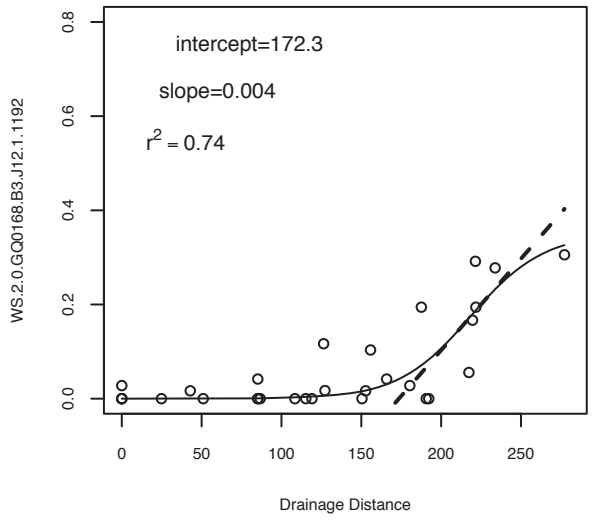

intercept=162.7
slope=0.003
r2 = 0.77
WS.2.0.GQ0133.B7.1.D11.1.1584
Drainage Distance

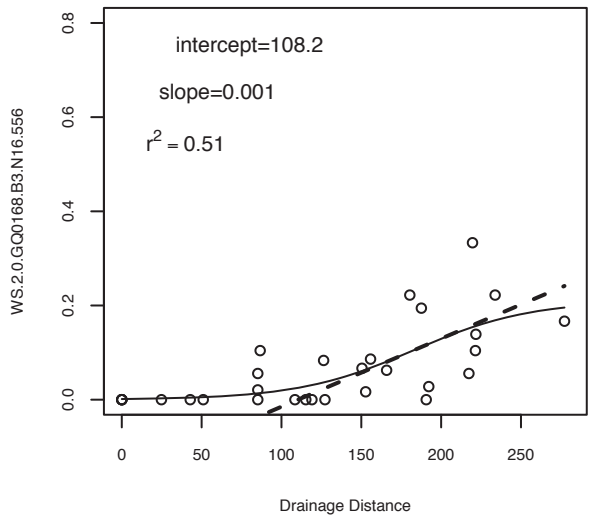

intercept=140.1
slope=0.006
r2 = 0.49
WS.2.0.GQ0134.B7.1.L07.1.1358
Drainage Distance

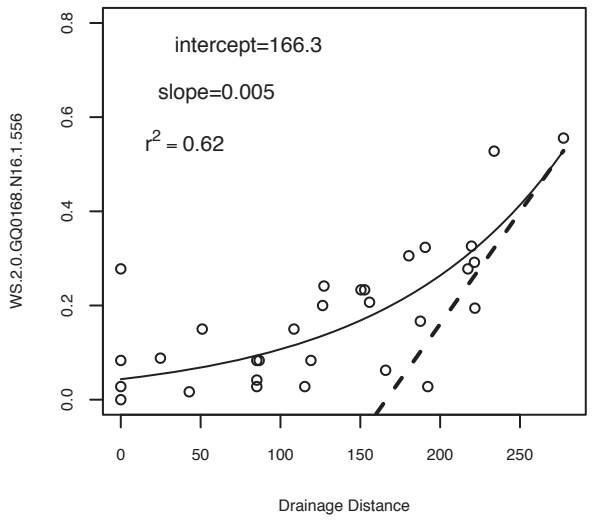

intercept=127.3
slope=0.002
r2 = 0.75
WS.2.0.GQ0161.TB.B13.1.1161
Drainage Distance

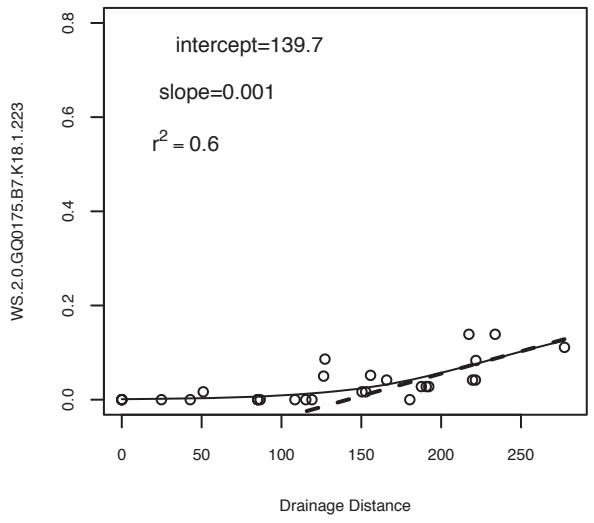

intercept=148.2
slope=0.004
r2 = 0.63
WS.2.0.GQ0163.TB.B18.1.1080
Drainage Distance

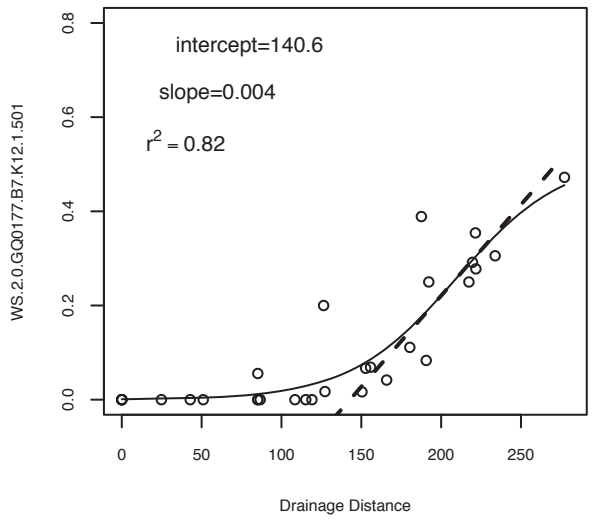

WS.2.0.GQ0165.B3.F11.2.34
Drainage Distance

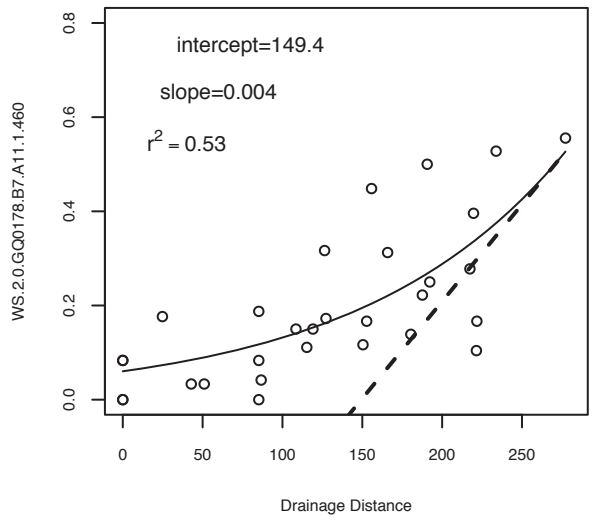

intercept=172.3
slope=0.004
r2 = 0.74
WS.2.0.GQ0168.B3.J12.1.1192
Drainage Distance

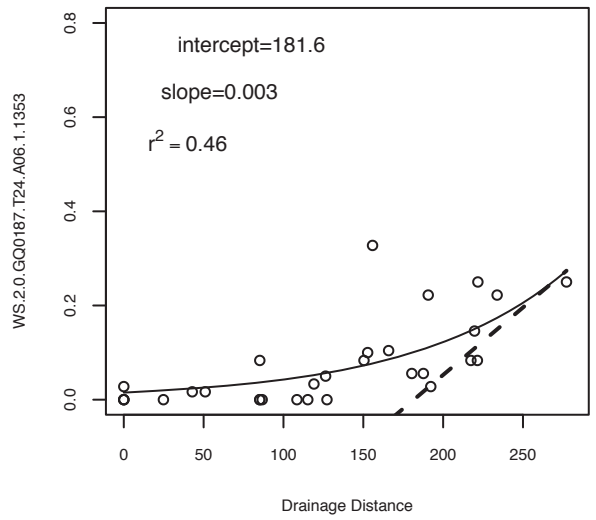

intercept=108.2
slope=0.001
r2 = 0.51
WS.2.0.GQ0168.B3.N16.556
Drainage Distance

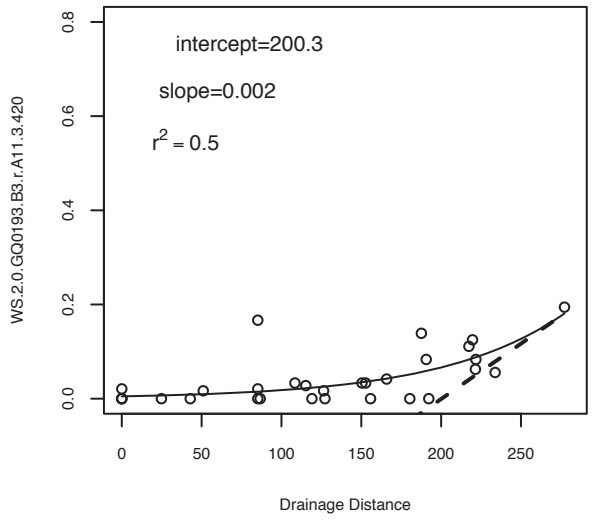

intercept=166.3
slope=0.005
r2 = 0.62
WS.2.0.GQ0168.N16.1.556
Drainage Distance

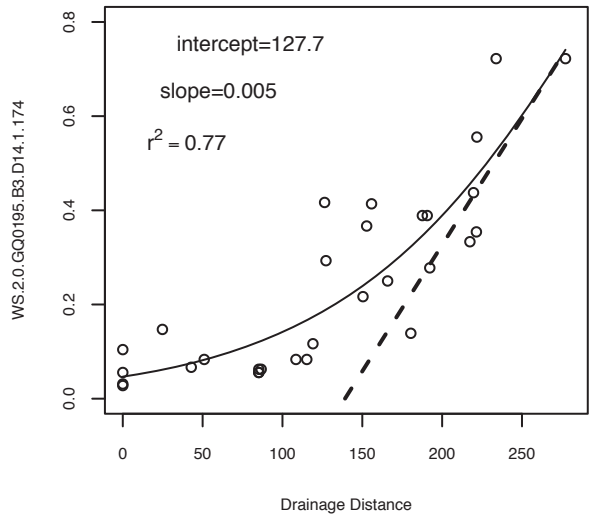

intercept=139.7
slope=0.001
r2 = 0.6
WS.2.0.GQ0175.B7.K18.1.223
Drainage Distance

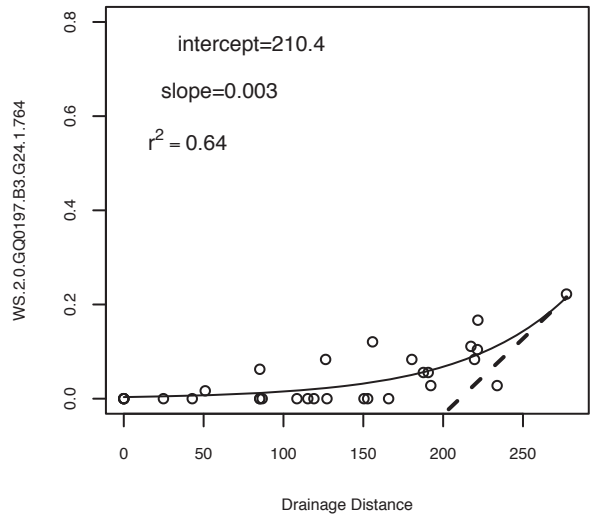

intercept=140.6
slope=0.004
r2 = 0.82
WS.2.0.GQ0177.B7.K12.1.501
Drainage Distance

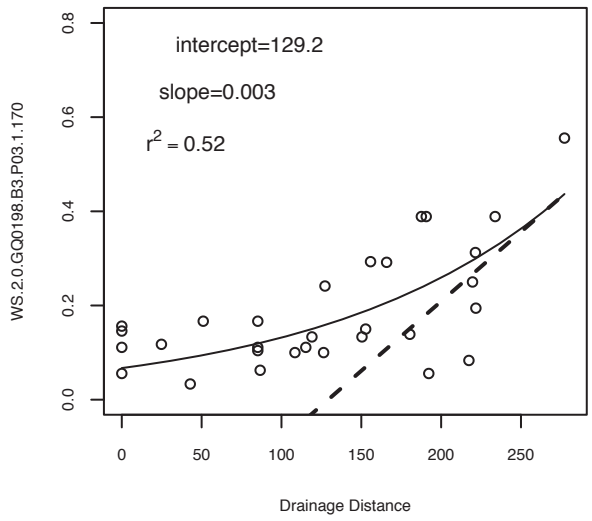

intercept=149.4
slope=0.004
r2 = 0.53
WS.2.0.GQ0178.B7.A11.1.460
Drainage Distance

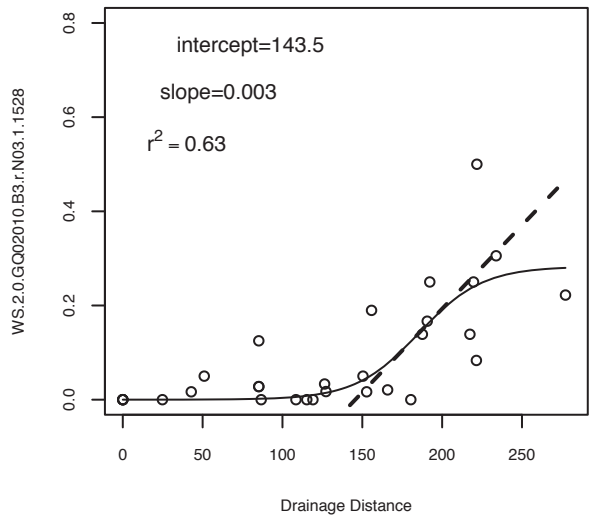

intercept=181.6
slope=0.003
r2 = 0.46
WS.2.0.GQ0187.T24.A06.1.1353
Drainage Distance

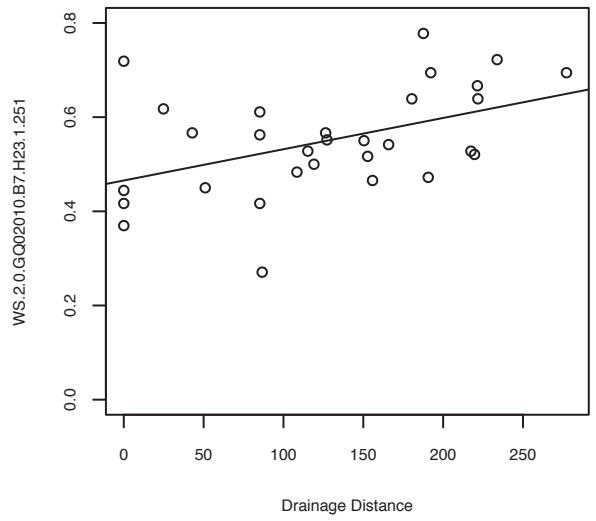

intercept=200.3
slope=0.002
r2 = 0.5
WS.2.0.GQ0193.B3.r.A11.3.420
Drainage Distance

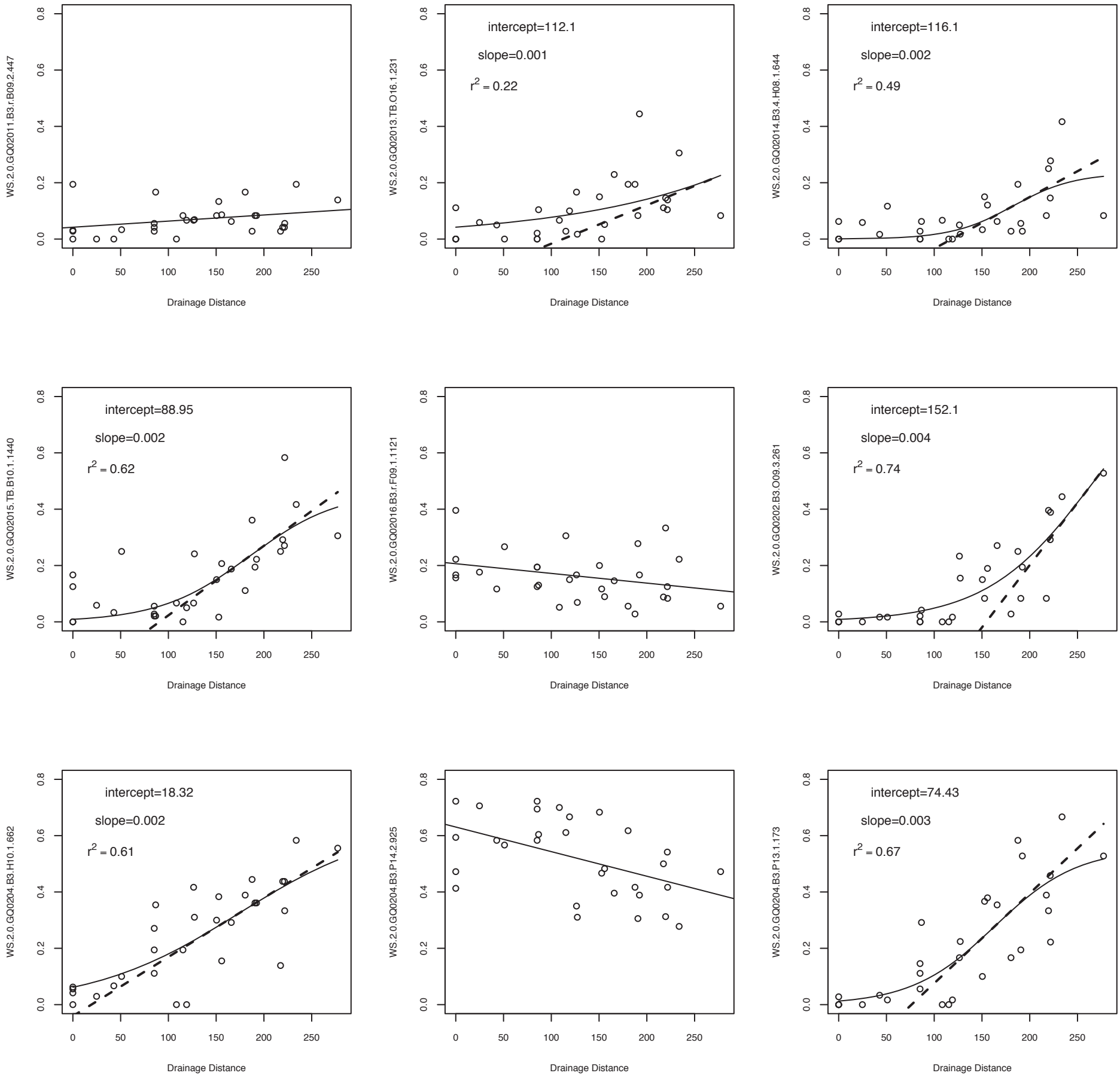

intercept=127.7
slope=0.005
r2 = 0.77
WS.2.0.GQ0195.B3.D14.1.174
Drainage Distance

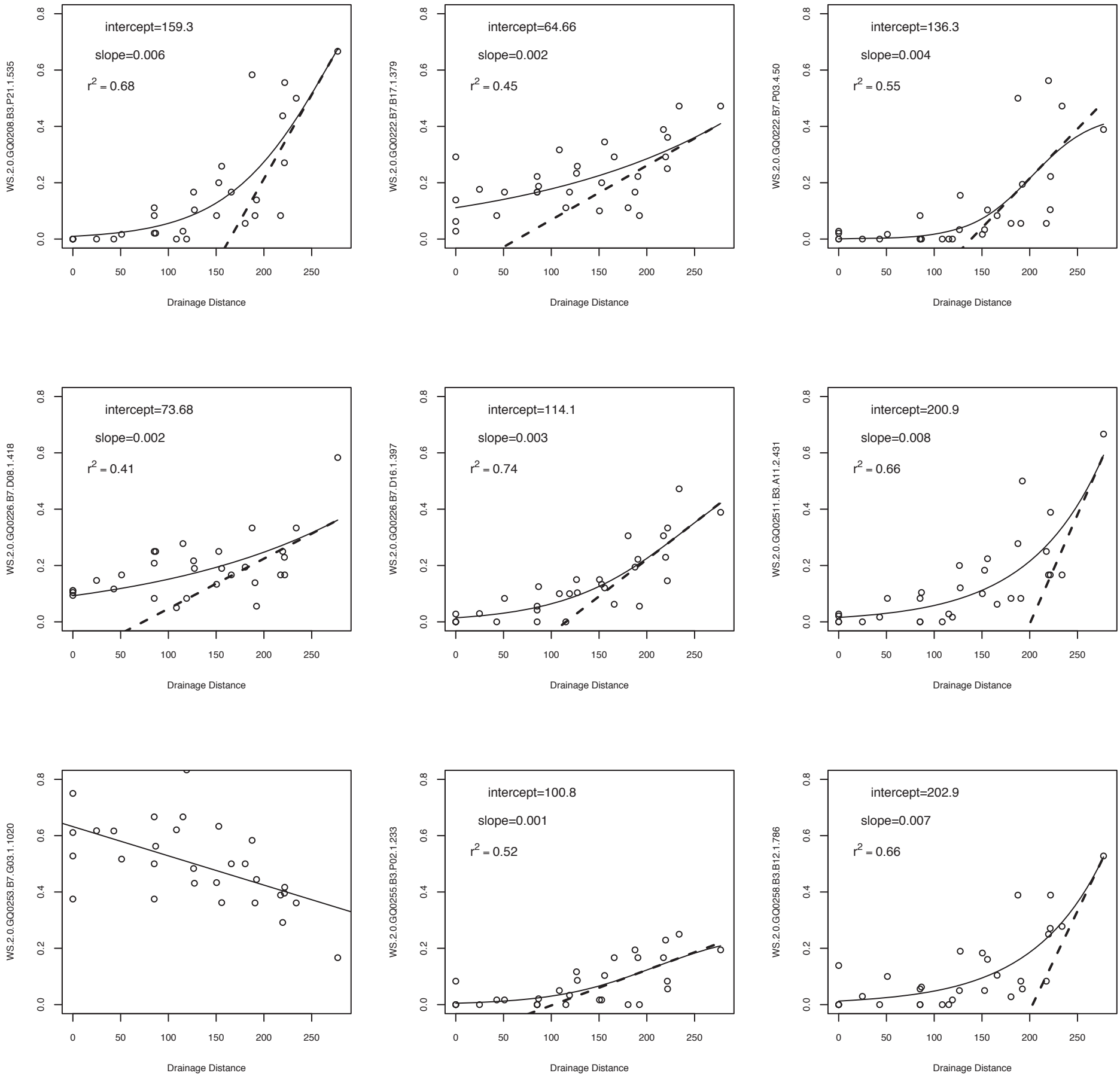

intercept=210.4
slope=0.003
r2 = 0.64
WS.2.0.GQ0197.B3.G24.1.764
Drainage Distance

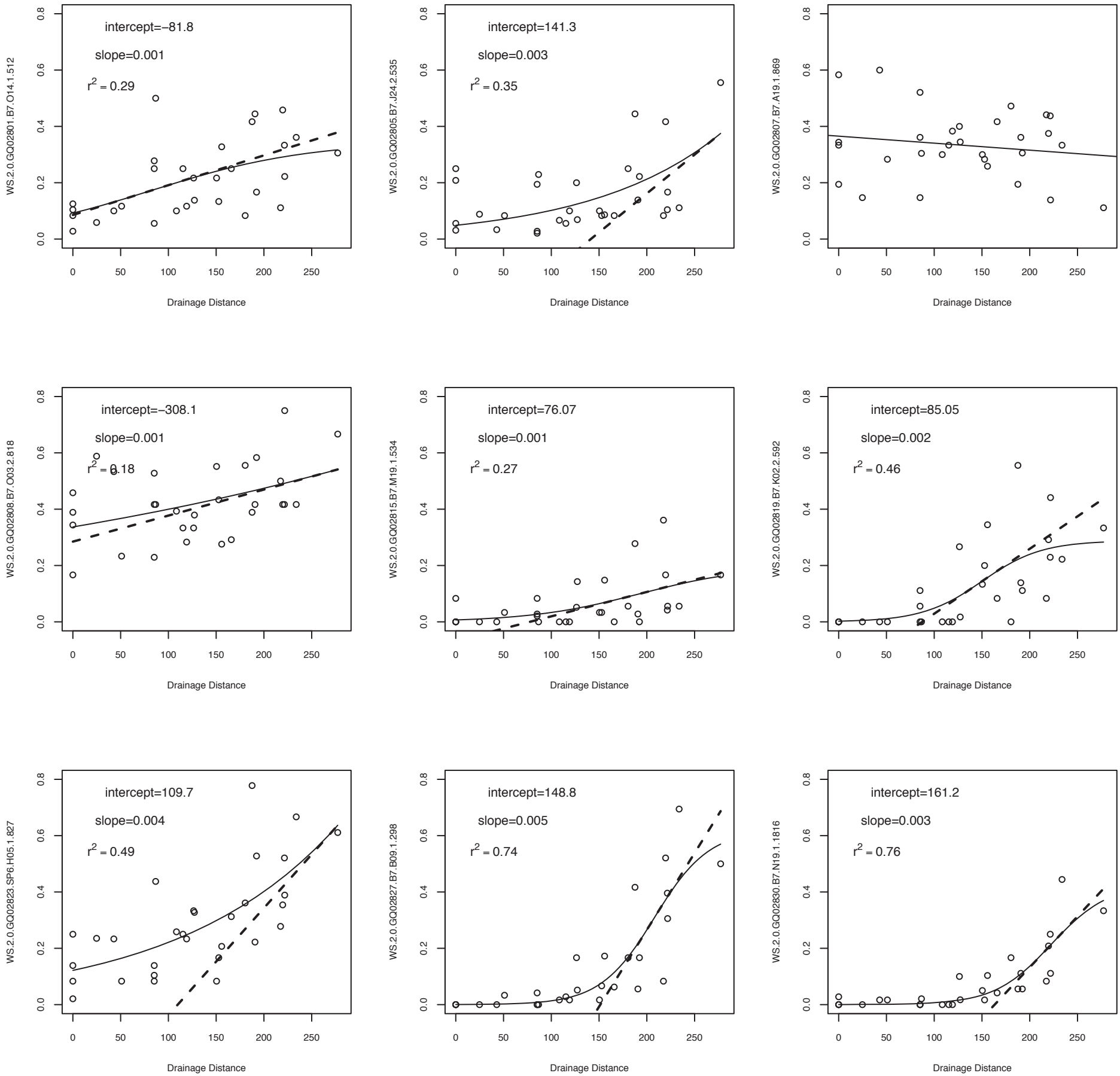

intercept=129.2
slope=0.003
r2 = 0.52
WS.2.0.GQ0198.B3.P03.1.170
Drainage Distance

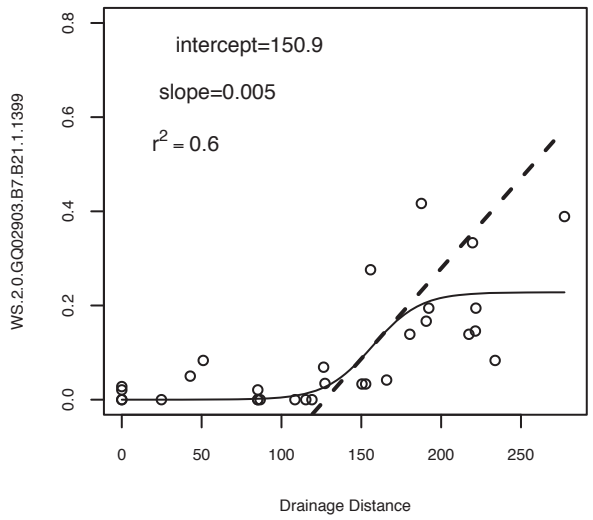

intercept=143.5
slope=0.003
r2 = 0.63
WS.2.0.GQ02010.B3.r.N03.1.1528
Drainage Distance

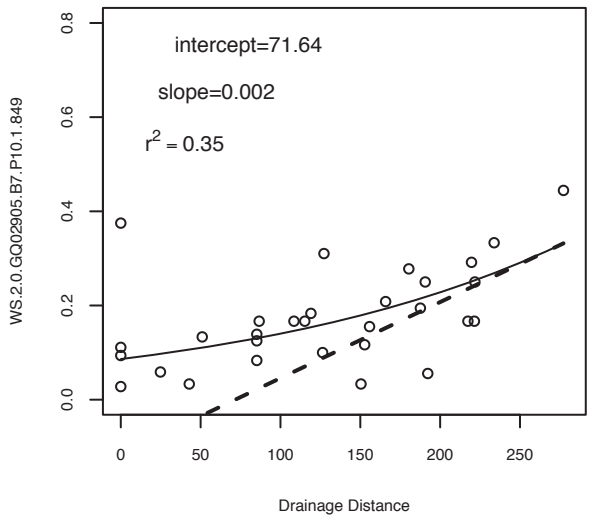

WS.2.0.GQ02010.B7.H23.1.251
Drainage Distance

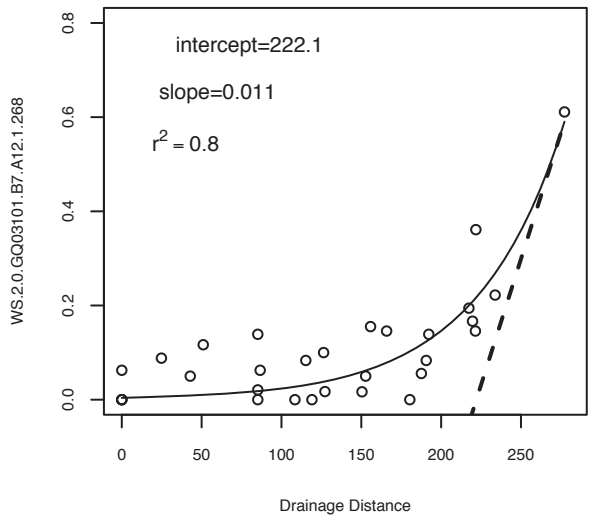

WS.2.0.GQ02011.B3.r.B09.2.447
intercept=112.1
slope=0.001
r2 = 0.22
WS.2.0.GQ02013.TB.O16.1.231
intercept=116.1
slope=0.002
r2 = 0.49
WS.2.0.GQ02014.B3.4.H08.1.644
intercept=88.95
slope=0.002
r2 = 0.62
WS.2.0.GQ02015.TB.B10.1.1440
WS.2.0.GQ02016.B3.r.F09.1.1121
intercept=152.1
slope=0.004
r2 = 0.74
WS.2.0.GQ0202.B3.O09.3.261
intercept=18.32
slope=0.002
r2 = 0.61
WS.2.0.GQ0204.B3.H10.1.662
WS.2.0.GQ0204.B3.P14.2.925
intercept=74.43
slope=0.003
r2 = 0.67
WS.2.0.GQ0204.B3.P13.1.173
Drainage Distance

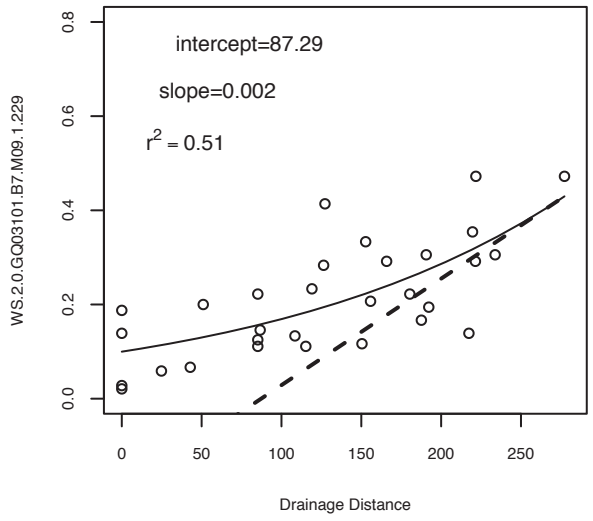

WS.2.0.GQ0208.B3.P21.1.535
intercept=159.3
slope=0.006
r2 = 0.68
WS.2.0.GQ0222.B7.B17.1.379
intercept=64.66
slope=0.002
r2 = 0.45
WS.2.0.GQ0222.B7.P03.4.50
intercept=136.3
slope=0.004
r2 = 0.55
WS.2.0.GQ0226.B7.D08.1.418
intercept=73.68
slope=0.002
r2 = 0.41
WS.2.0.GQ0226.B7.D16.1.397
intercept=114.1
slope=0.003
r2 = 0.74
WS.2.0.GQ02511.B3.A11.2.431
intercept=200.9
slope=0.008
r2 = 0.66
WS.2.0.GQ0253.B7.G03.1.1020
WS.2.0.GQ0255.B3.P02.1.233
intercept=100.8
slope=0.001
r2 = 0.52
WS.2.0.GQ0258.B3.B12.1.786
intercept=202.9
slope=0.007
r2 = 0.66
Drainage Distance

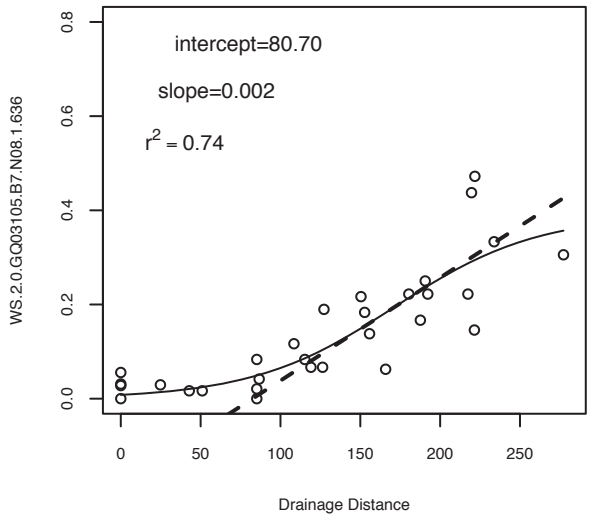

WS.2.0.GQ02801.B7.O14.1.512
intercept=−81.8
slope=0.001
r2 = 0.29
WS.2.0.GQ02805.B7.J24.2.535
intercept=141.3
slope=0.003
r2 = 0.35
WS.2.0.GQ02807.B7.A19.1.869
WS.2.0.GQ02808.B7.O03.2.818
intercept=−308.1
slope=0.001
r2 = 0.18
WS.2.0.GQ02815.B7.M19.1.534
intercept=76.07
slope=0.001
r2 = 0.27
WS.2.0.GQ02819.B7.K02.2.592
intercept=85.05
slope=0.002
r2 = 0.46
WS.2.0.GQ02823.SP6.H05.1.827
intercept=109.7
slope=0.004
r2 = 0.49
WS.2.0.GQ02827.B7.B09.1.298
intercept=148.8
slope=0.005
r2 = 0.74
WS.2.0.GQ02830.B7.N19.1.1816
intercept=161.2
slope=0.003
r2 = 0.76
Drainage Distance

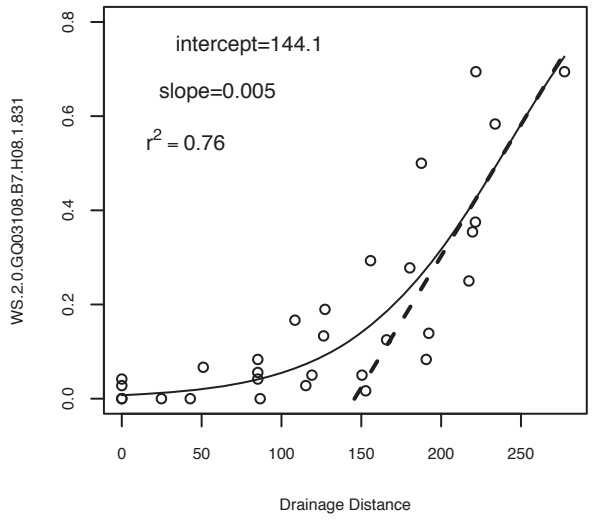

intercept=150.9
slope=0.005
r2 = 0.6
WS.2.0.GQ02903.B7.B21.1.1399
Drainage Distance

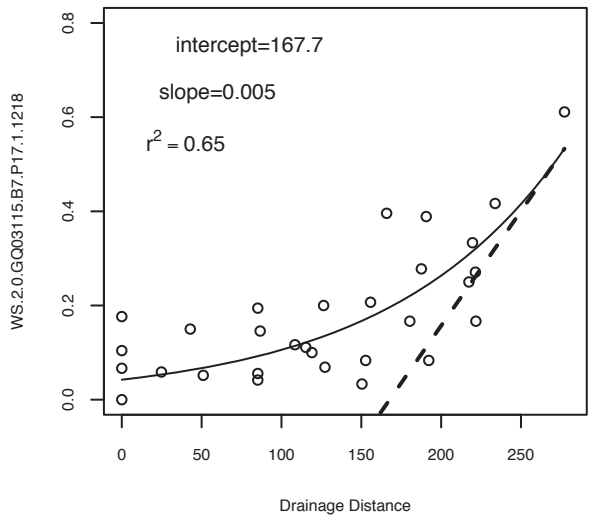

intercept=71.64
slope=0.002
r2 = 0.35
WS.2.0.GQ02905.B7.P10.1.849
Drainage Distance

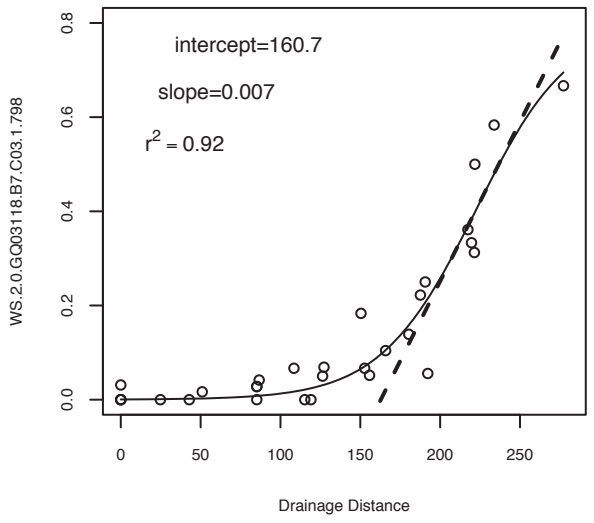

intercept=222.1
slope=0.011
r2 = 0.8
WS.2.0.GQ03101.B7.A12.1.268
Drainage Distance

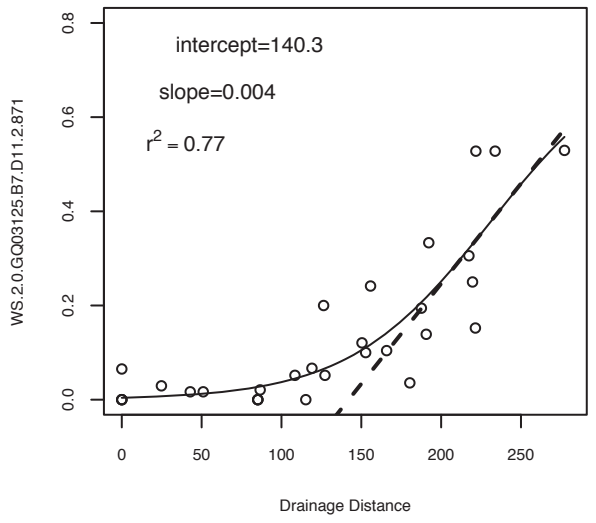

intercept=87.29
slope=0.002
r2 = 0.51
WS.2.0.GQ03101.B7.M09.1.229
Drainage Distance

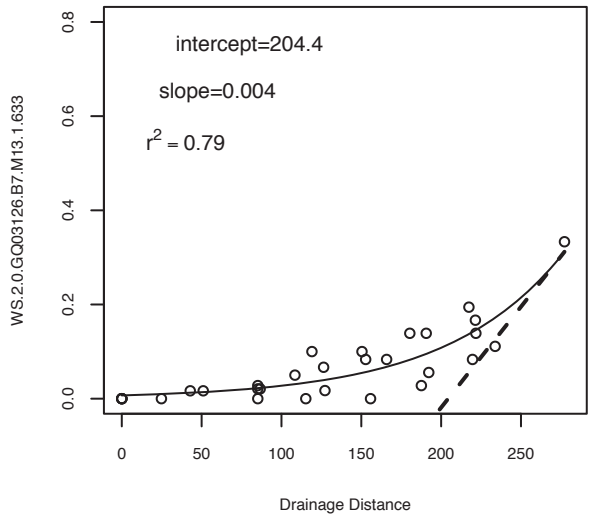

intercept=80.70
slope=0.002
r2 = 0.74
WS.2.0.GQ03105.B7.N08.1.636
Drainage Distance

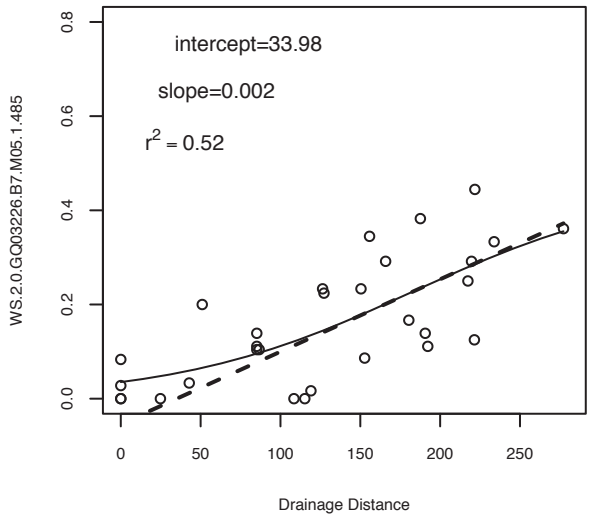

intercept=144.1
slope=0.005
r2 = 0.76
WS.2.0.GQ03108.B7.H08.1.831
Drainage Distance

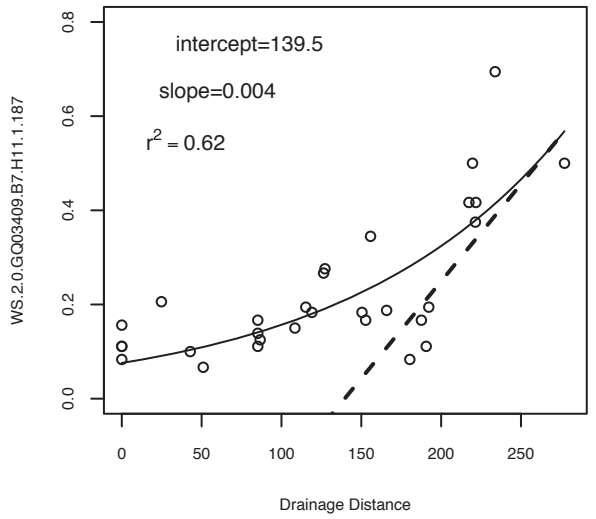

intercept=167.7
slope=0.005
r2 = 0.65
WS.2.0.GQ03115.B7.P17.1.1218
Drainage Distance

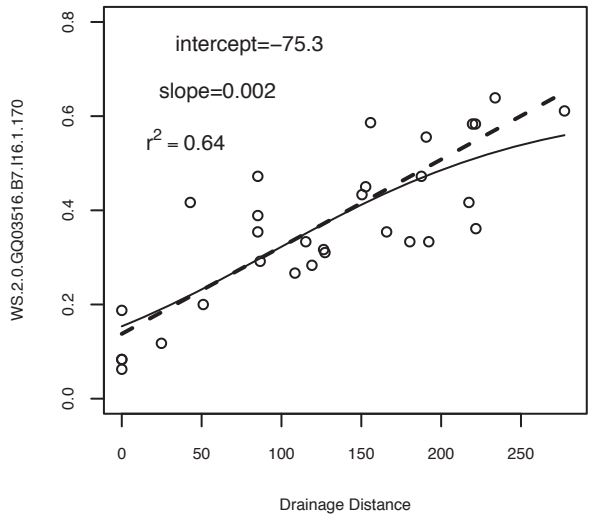

intercept=160.7
slope=0.007
r2 = 0.92
WS.2.0.GQ03118.B7.C03.1.798
Drainage Distance

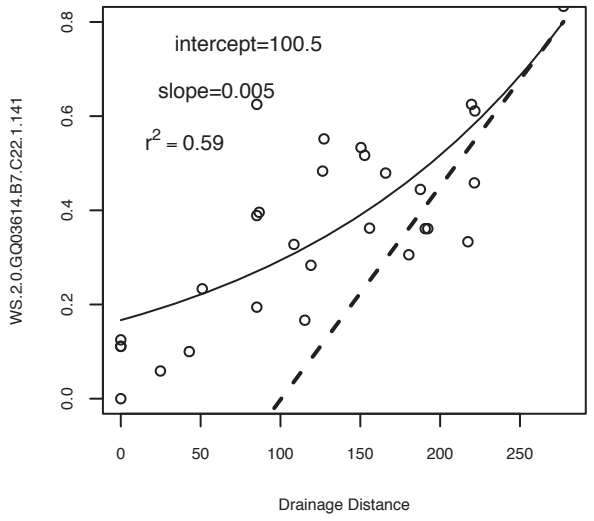

intercept=140.3
slope=0.004
r2 = 0.77
WS.2.0.GQ03125.B7.D11.2.871
Drainage Distance

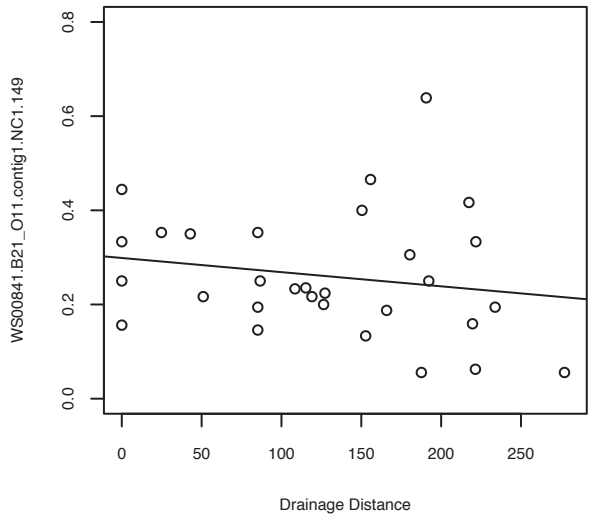

intercept=204.4
slope=0.004
r2 = 0.79
WS.2.0.GQ03126.B7.M13.1.633
Drainage Distance

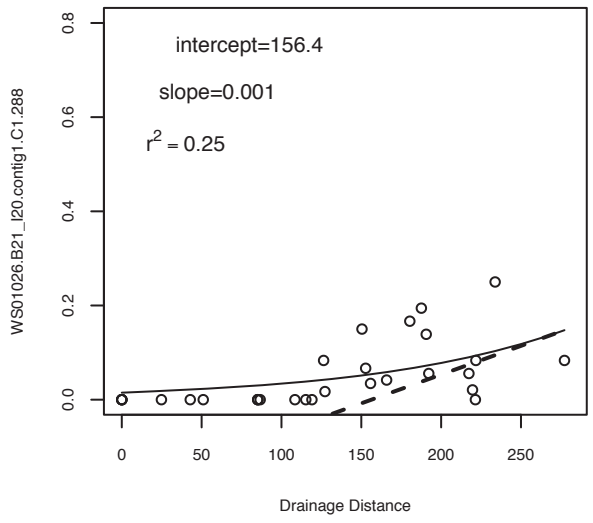

intercept=33.98
slope=0.002
r2 = 0.52
WS.2.0.GQ03226.B7.M05.1.485
Drainage Distance


intercept=139.5
slope=0.004
r2 = 0.62
WS.2.0.GQ03409.B7.H11.1.187
Drainage Distance


intercept=−75.3
slope=0.002
r2 = 0.64
WS.2.0.GQ03516.B7.I16.1.170
Drainage Distance


intercept=100.5
slope=0.005
r2 = 0.59
WS.2.0.GQ03614.B7.C22.1.141
Drainage Distance


WS00841.B21_O11.contig1.NC1.149
Drainage Distance


intercept=156.4
slope=0.001
r2 = 0.25
WS01026.B21_I20.contig1.C1.288
Drainage Distance