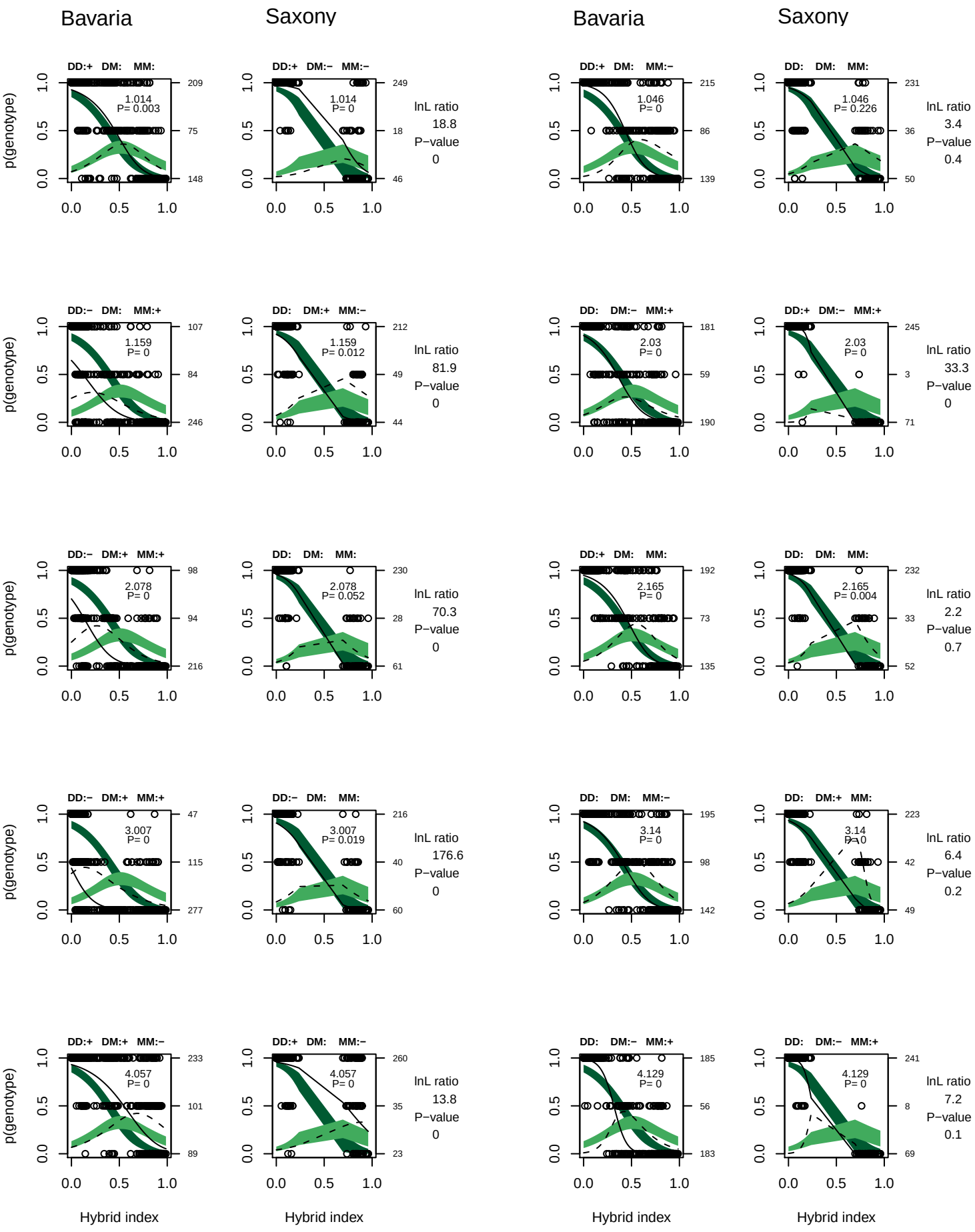
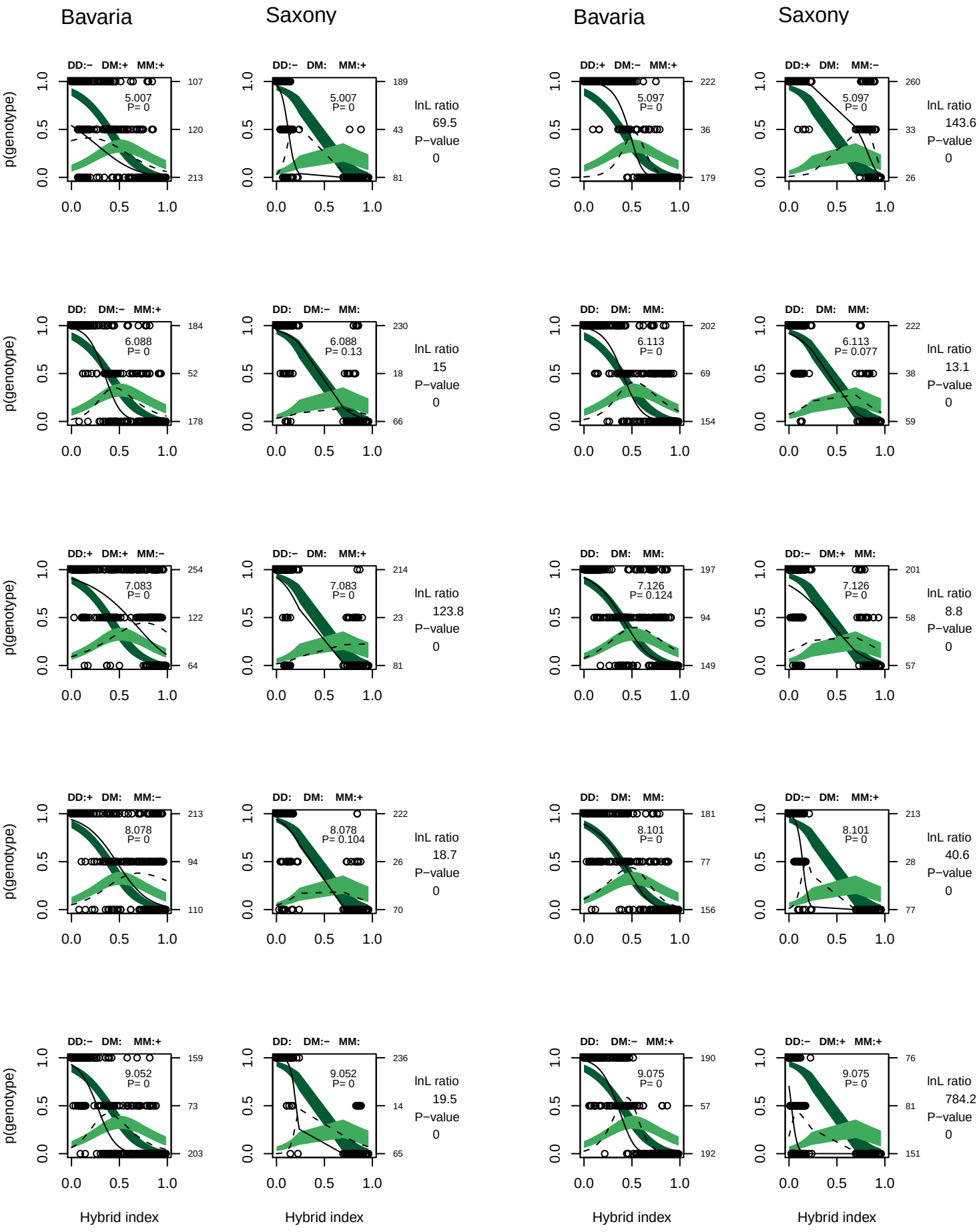
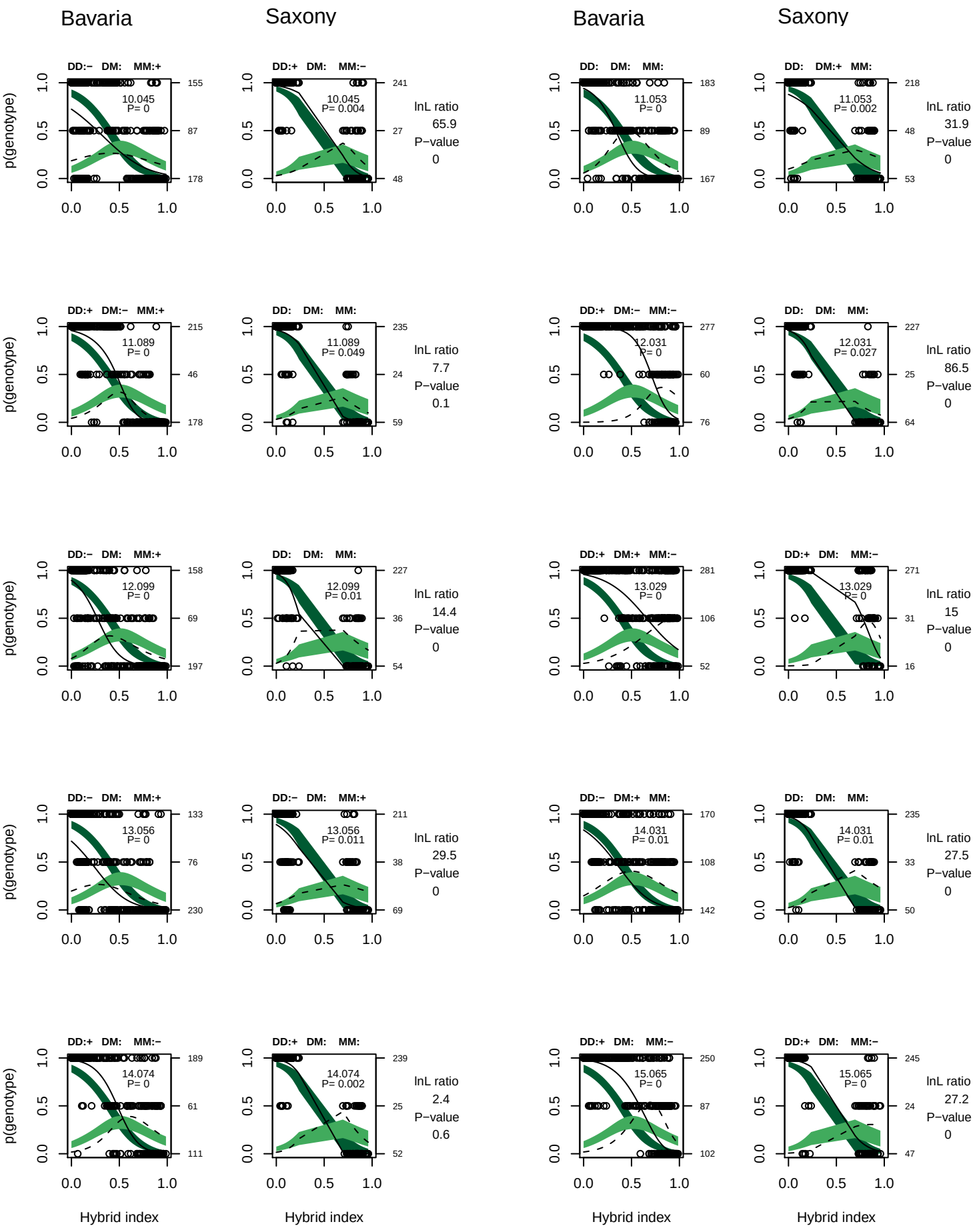
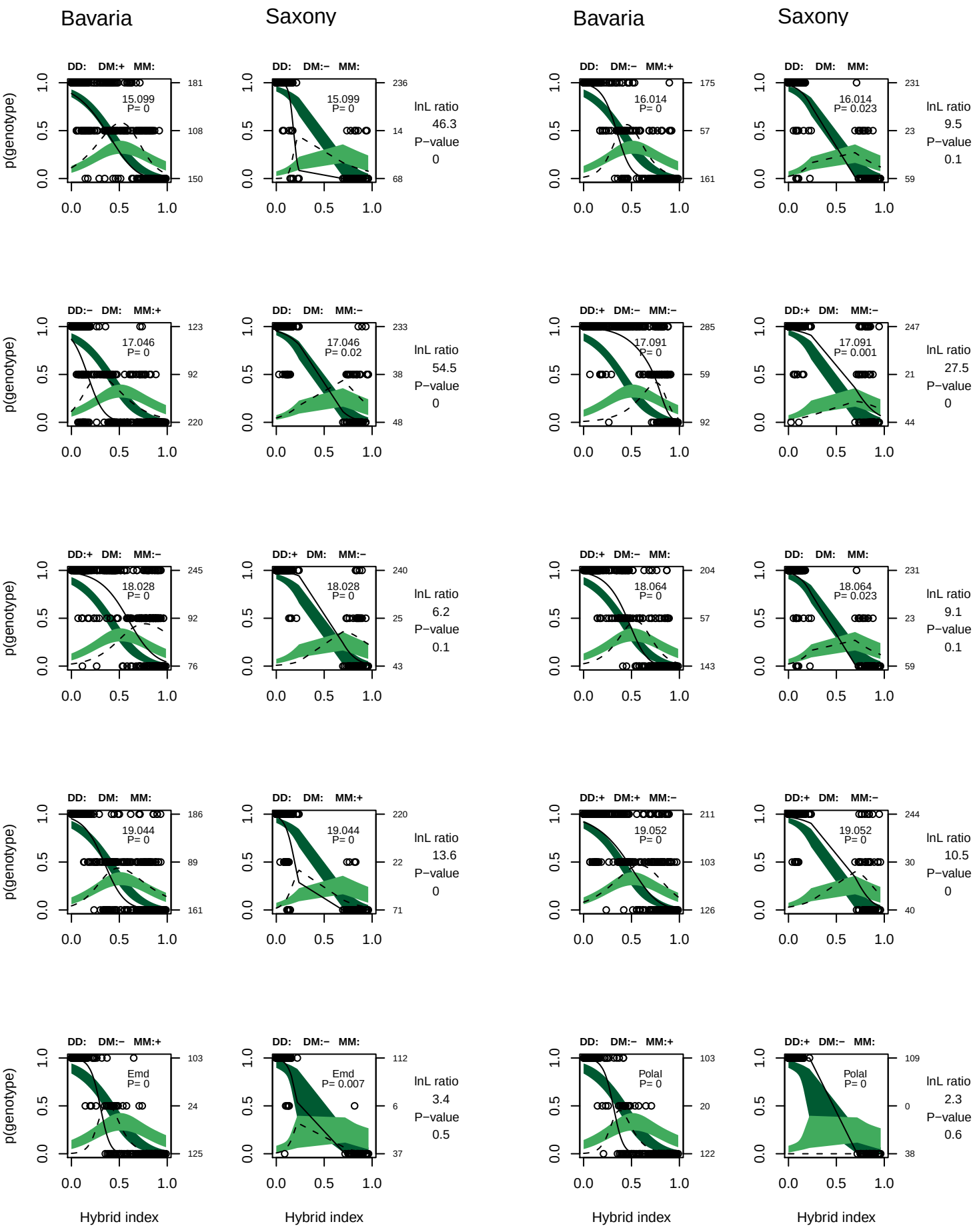
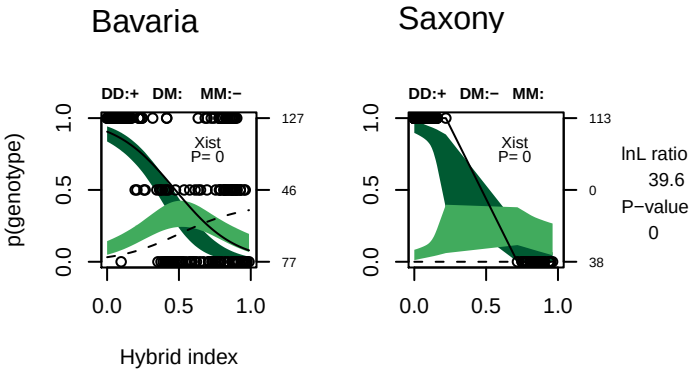

Bavaria
Saxony
Bavaria
Saxony
p(genotype)
Hybrid index
DD:+ DM: MM:
1.014
P= 0.003
209
75
148
DD:+ DM:− MM:−
1.014
P= 0
249
18
46
lnL ratio
18.8
P−value
0
DD:+ DM: MM:−
1.046
P= 0
215
86
139
DD: DM: MM:
1.046
P= 0.226
231
36
50
lnL ratio
3.4
P−value
0.4
DD:− DM: MM:+
1.159
P= 0
107
84
246
DD: DM:+ MM:−
1.159
P= 0.012
212
49
44
lnL ratio
81.9
P−value
0
DD: DM:− MM:+
2.03
P= 0
181
59
190
DD:+ DM:− MM:+
2.03
P= 0
245
3
71
lnL ratio
33.3
P−value
0
DD:− DM:+ MM:+
2.078
P= 0
98
94
216
DD: DM: MM:
2.078
P= 0.052
230
28
61
lnL ratio
70.3
P−value
0
DD:+ DM: MM:
2.165
P= 0
192
73
135
DD: DM: MM:
2.165
P= 0.004
232
33
52
lnL ratio
2.2
P−value
0.7
DD:− DM:+ MM:+
3.007
P= 0
47
115
277
DD:− DM: MM:
3.007
P= 0.019
216
40
60
lnL ratio
176.6
P−value
0
DD: DM: MM:−
3.14
P= 0
195
98
142
DD: DM:+ MM:
3.14
P= 0
223
42
49
lnL ratio
6.4
P−value
0.2
DD:+ DM:+ MM:−
4.057
P= 0
233
101
89
DD:+ DM: MM:−
4.057
P= 0
260
35
23
lnL ratio
13.8
P−value
0
DD: DM:− MM:+
4.129
P= 0
185
56
183
DD: DM:− MM:+
4.129
P= 0
241
8
69
lnL ratio
7.2
P−value
0.1


Bavaria
Saxony
Bavaria
Saxony
p(genotype)
Hybrid index
DD:− DM:+ MM:+
DD:− DM: MM:+
DD:+ DM:− MM:+
DD:+ DM: MM:−
5.007
P= 0
lnL ratio
69.5
P−value
0
DD: DM:− MM:+
DD: DM:− MM:
DD: DM: MM:
6.088
P= 0
6.088
P= 0.13
6.113
P= 0
6.113
P= 0.077
lnL ratio
15
13.1
DD:+ DM:+ MM:−
DD:− DM: MM:+
DD: DM: MM:
DD:− DM:+ MM:
7.083
P= 0
7.126
P= 0.124
7.126
P= 0
lnL ratio
123.8
8.8
DD:+ DM: MM:−
DD: DM: MM:+
8.078
P= 0
8.078
P= 0.104
8.101
P= 0
lnL ratio
18.7
40.6
DD:− DM: MM:+
DD: DM:− MM:
DD: DM:− MM:+
DD:− DM:+ MM:+
9.052
P= 0
9.075
P= 0
lnL ratio
19.5
784.2
P−value
0


Bavaria
Saxony
Bavaria
Saxony
p(genotype)
Hybrid index
DD:− DM: MM:+
DD:+ DM: MM:−
DD: DM: MM:
DD:+ DM:− MM:+
DD:+ DM:− MM:−
DD: DM: MM:
DD:− DM: MM:+
DD:+ DM:+ MM:−
DD: DM: MM:
DD:− DM: MM:+
DD:− DM:+ MM:
DD: DM: MM:
DD:+ DM: MM:−
DD:+ DM: MM:
DD:+ DM: MM:−
DD:+ DM: MM:−
10.045
P= 0
155
87
178
10.045
P= 0.004
241
27
48
lnL ratio
65.9
P−value
0
11.053
P= 0
183
89
167
11.053
P= 0.002
218
48
53
lnL ratio
31.9
P−value
0
11.089
P= 0
215
46
178
11.089
P= 0.049
235
24
59
lnL ratio
7.7
P−value
0.1
12.031
P= 0
277
60
76
12.031
P= 0.027
227
25
64
lnL ratio
86.5
P−value
0
12.099
P= 0
158
69
197
12.099
P= 0.01
227
36
54
lnL ratio
14.4
P−value
0
13.029
P= 0
281
106
52
13.029
P= 0
271
31
16
lnL ratio
15
P−value
0
13.056
P= 0
133
76
230
13.056
P= 0.011
211
38
69
lnL ratio
29.5
P−value
0
14.031
P= 0.01
170
108
142
14.031
P= 0.01
235
33
50
lnL ratio
27.5
P−value
0
14.074
P= 0
189
61
111
14.074
P= 0.002
239
25
52
lnL ratio
2.4
P−value
0.6
15.065
P= 0
250
87
102
15.065
P= 0
245
24
47
lnL ratio
27.2
P−value
0
0.0
0.5
1.0


Bavaria
Saxony
Bavaria
Saxony
p(genotype)
Hybrid index
DD: DM:+ MM:
15.099
P= 0
lnL ratio
46.3
P−value
0
DD: DM:− MM:
15.099
P= 0
lnL ratio
46.3
P−value
0
DD: DM:− MM:+
16.014
P= 0
DD: DM: MM:
16.014
P= 0.023
lnL ratio
9.5
P−value
0.1
DD:− DM: MM:+
17.046
P= 0
DD: DM: MM:−
17.046
P= 0.02
lnL ratio
54.5
P−value
0
DD:+ DM:− MM:−
17.091
P= 0
DD:+ DM: MM:−
17.091
P= 0.001
lnL ratio
27.5
P−value
0
DD:+ DM: MM:−
18.028
P= 0
DD:+ DM: MM:−
18.028
P= 0
lnL ratio
6.2
P−value
0.1
DD:+ DM:− MM:
18.064
P= 0
DD: DM: MM:
18.064
P= 0.023
lnL ratio
9.1
P−value
0.1
DD: DM: MM:
19.044
P= 0
DD: DM: MM:+
19.044
P= 0
lnL ratio
13.6
P−value
0
DD:+ DM:+ MM:−
19.052
P= 0
DD:+ DM: MM:−
19.052
P= 0
lnL ratio
10.5
P−value
0
DD: DM:− MM:+
Emd
P= 0
DD: DM:− MM:
Emd
P= 0.007
lnL ratio
3.4
P−value
0.5
DD: DM:− MM:+
Polal
P= 0
DD:+ DM:− MM:
Polal
P= 0
lnL ratio
2.3
P−value
0.6


Bavaria
Saxony
DD:+ DM: MM:−
DD:+ DM:− MM:
Xist
P= 0
127
46
77
113
0
38
1.0
0.5
0.0
p(genotype)
lnL ratio
39.6
P−value
0
Hybrid index