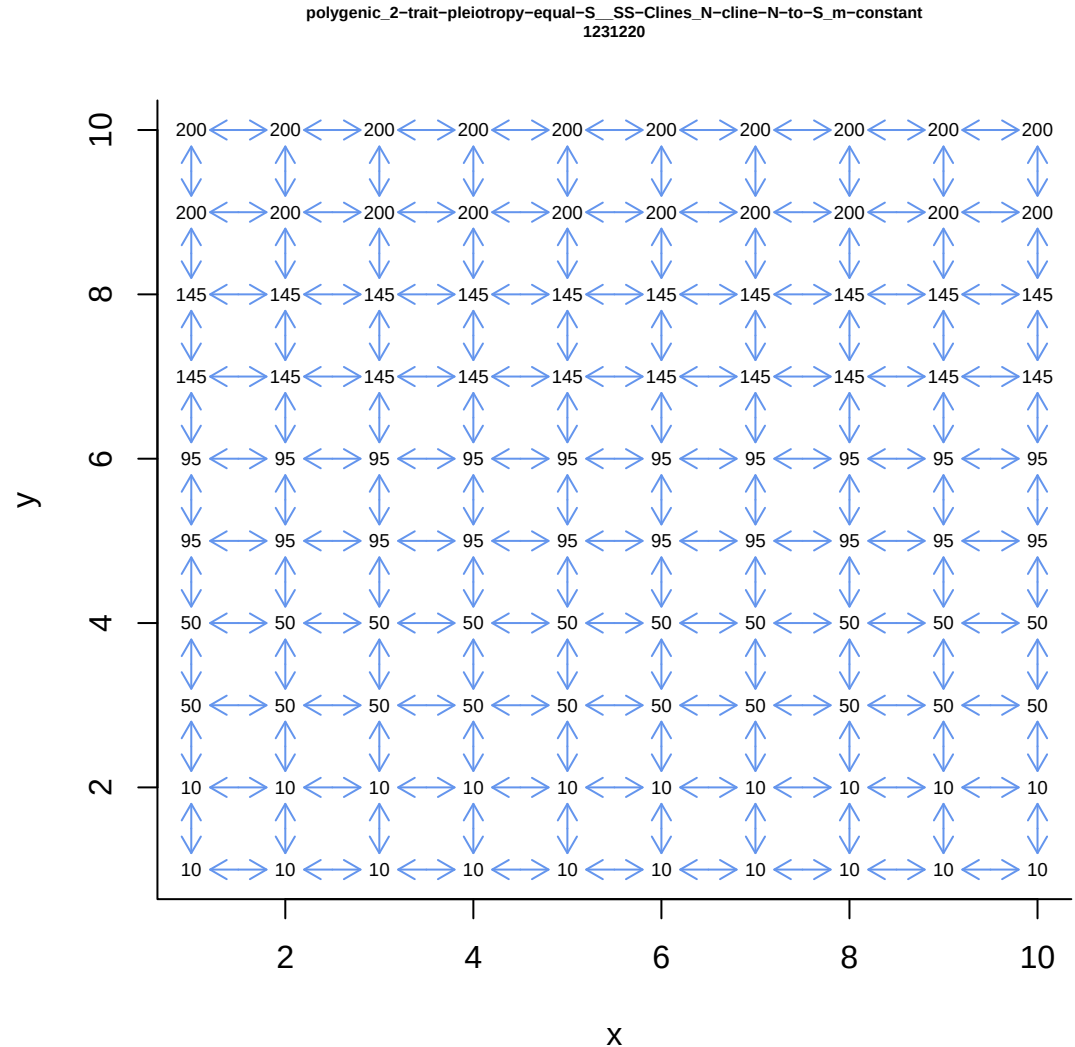
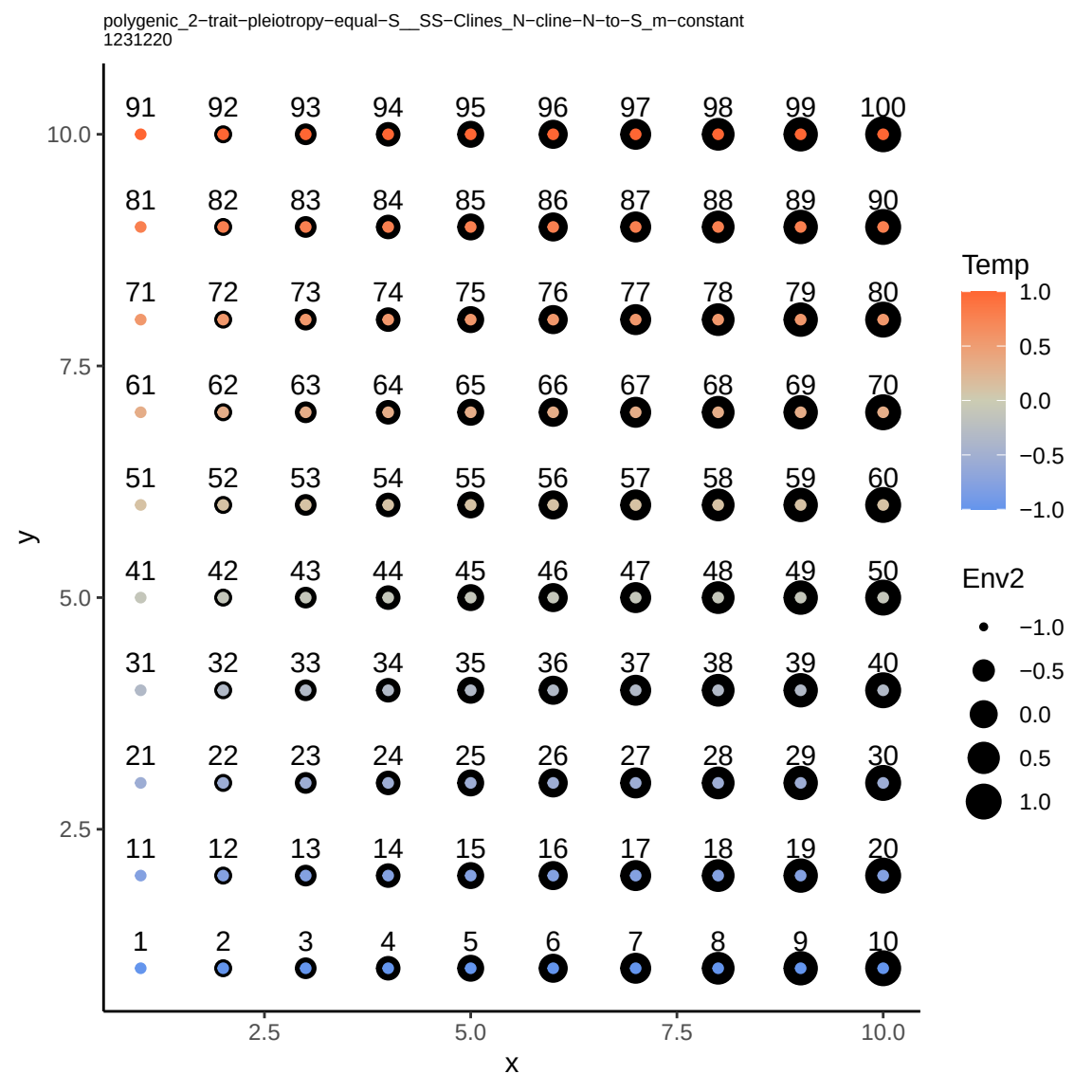
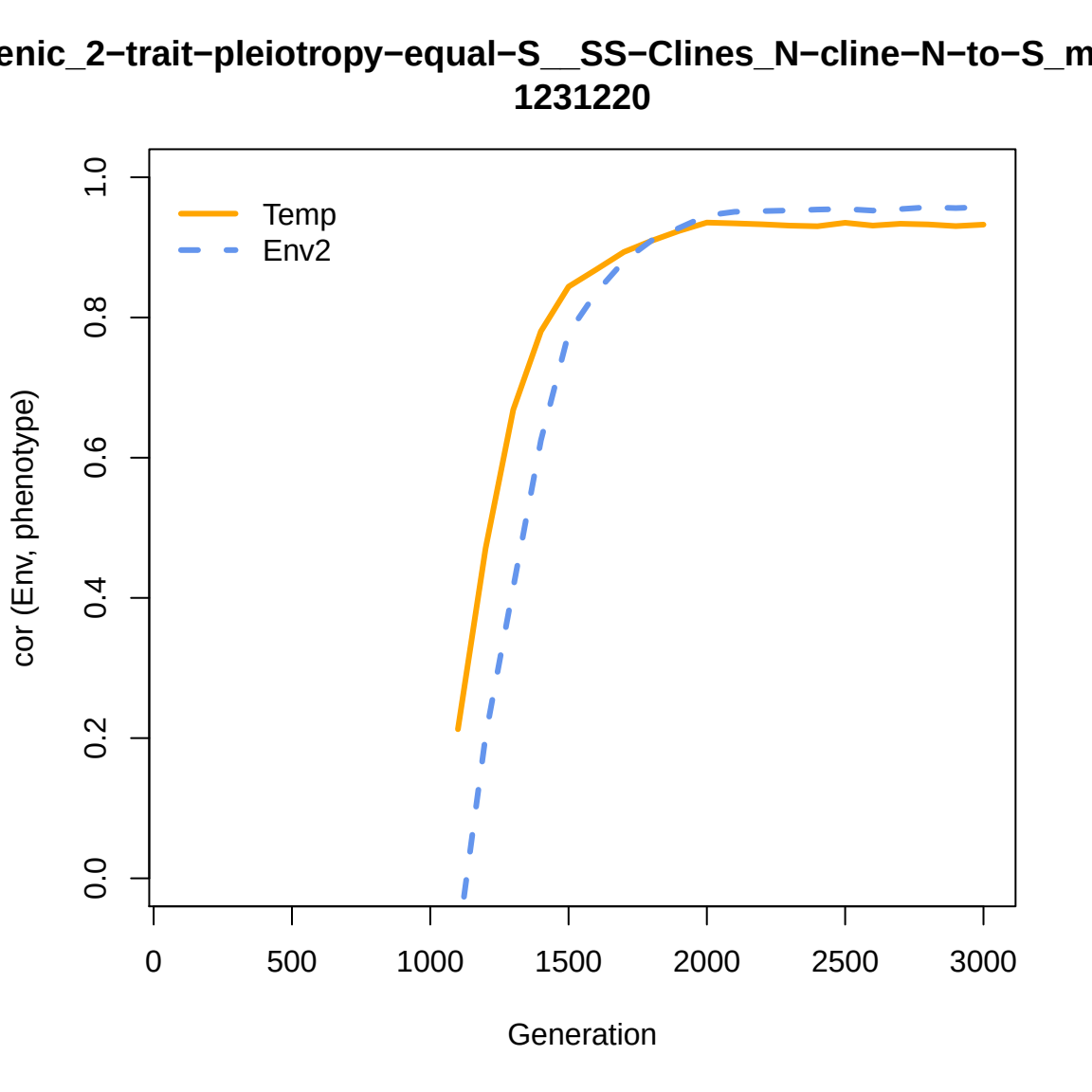
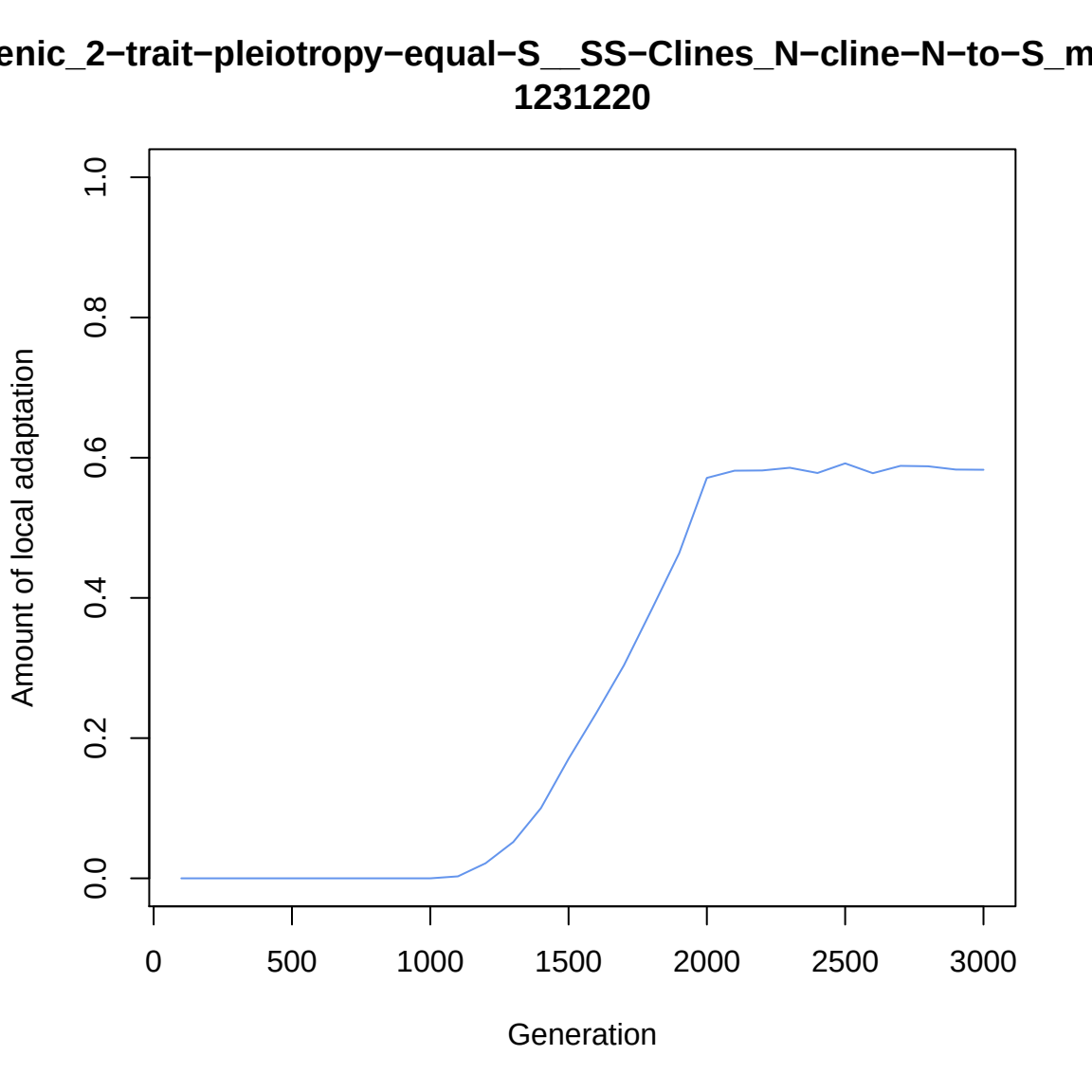
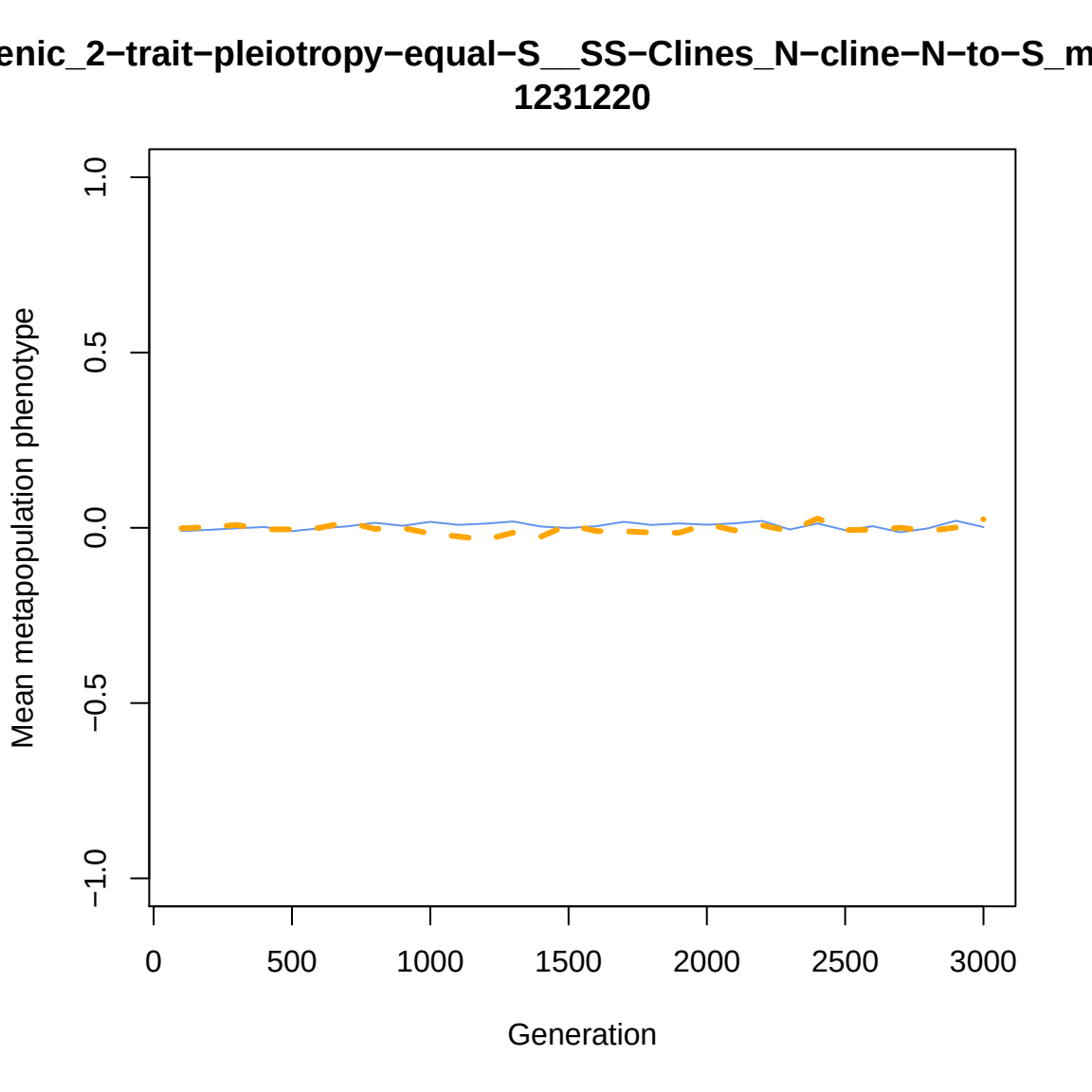
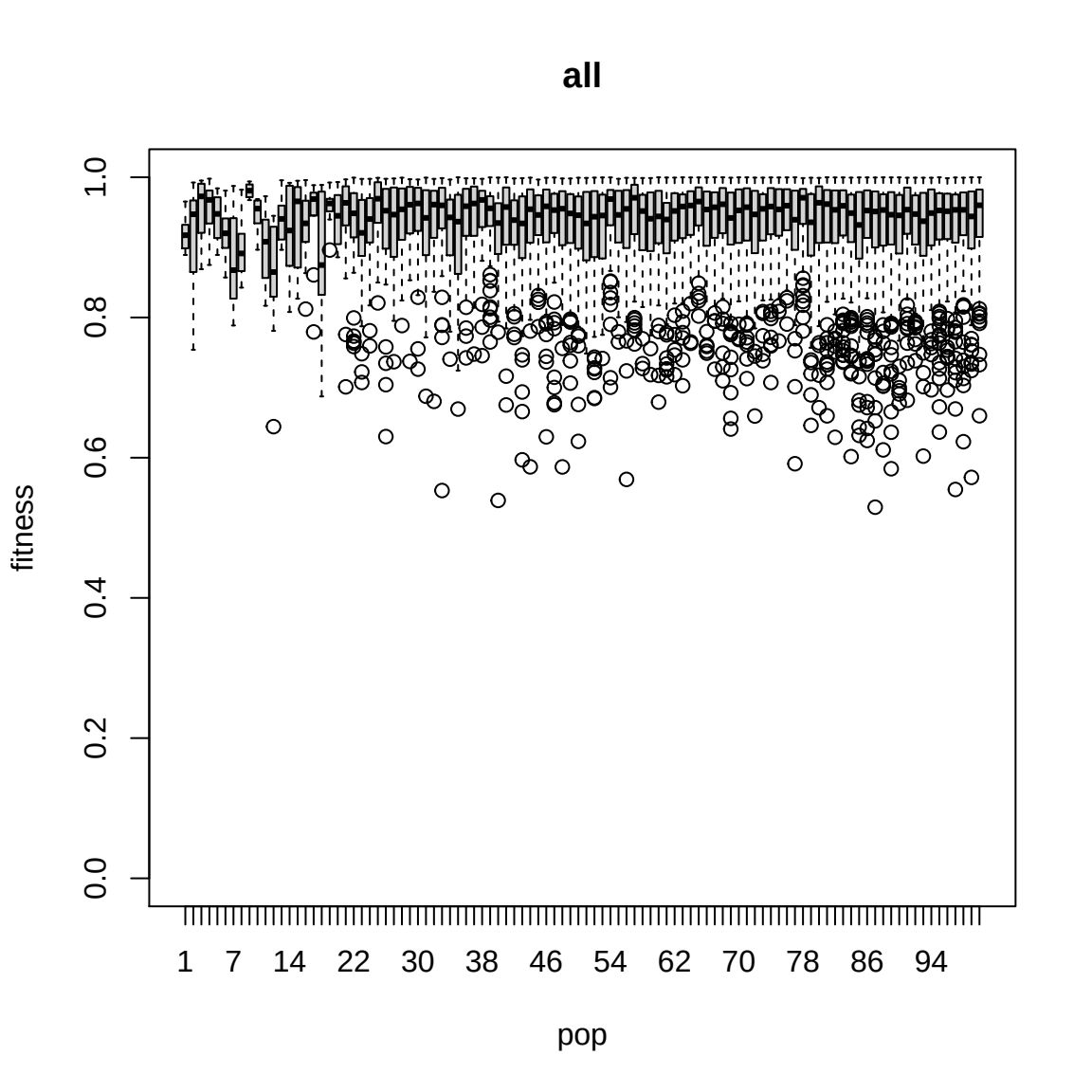

polygenic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m−constant
1231220
200 200 200 200 200 200 200 200 200 200
200 200 200 200 200 200 200 200 200 200
145 145 145 145 145 145 145 145 145 145
145 145 145 145 145 145 145 145 145 145
95 95 95 95 95 95 95 95 95 95
95 95 95 95 95 95 95 95 95 95
50 50 50 50 50 50 50 50 50 50
50 50 50 50 50 50 50 50 50 50
10 10 10 10 10 10 10 10 10 10
10 10 10 10 10 10 10 10 10 10
y
2
4
6
8
10
x
2
4
6
8
10

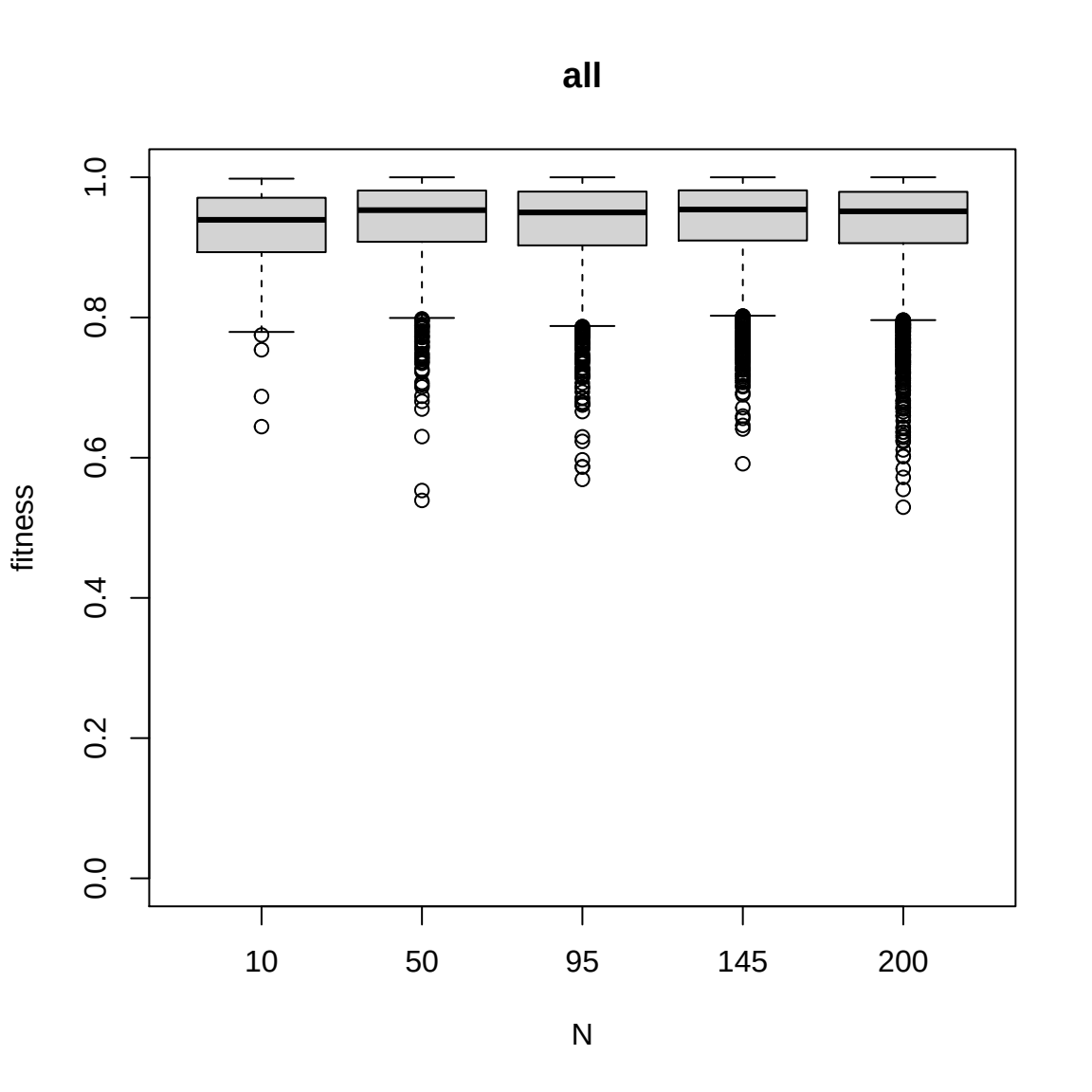

polygenic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m−constant
1231220
91 92 93 94 95 96 97 98 99 100
81 82 83 84 85 86 87 88 89 90
71 72 73 74 75 76 77 78 79 80
61 62 63 64 65 66 67 68 69 70
51 52 53 54 55 56 57 58 59 60
41 42 43 44 45 46 47 48 49 50
31 32 33 34 35 36 37 38 39 40
21 22 23 24 25 26 27 28 29 30
11 12 13 14 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10
10.0
7.5
5.0
2.5
y
2.5
5.0
7.5
10.0
x
Temp
1.0
0.5
0.0
−0.5
−1.0
Env2
−1.0
−0.5
0.0
0.5
1.0

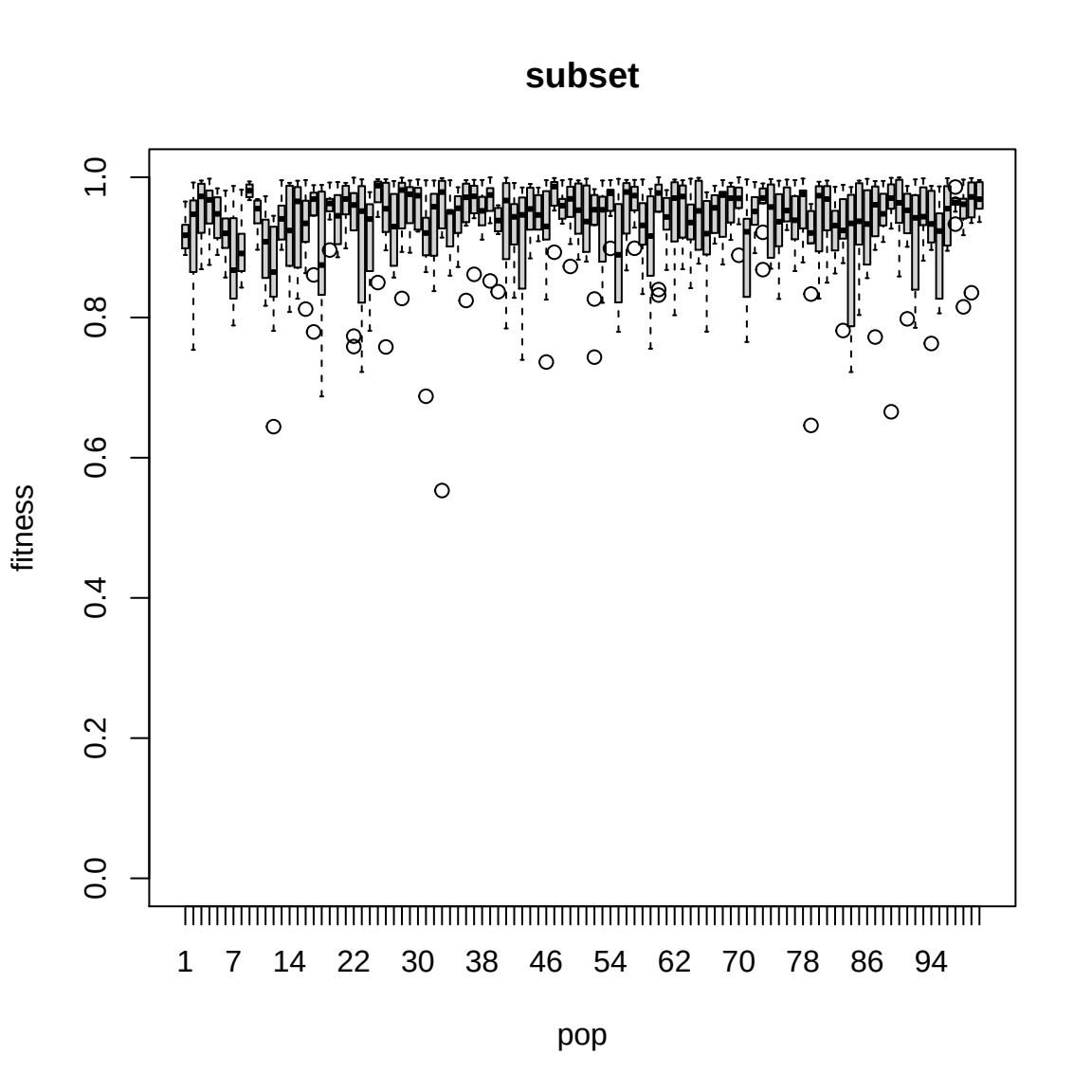

enic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m
1231220
Temp
Env2
cor (Env, phenotype)
0.0
0.2
0.4
0.6
0.8
1.0
0
500
1000
1500
2000
2500
3000
Generation

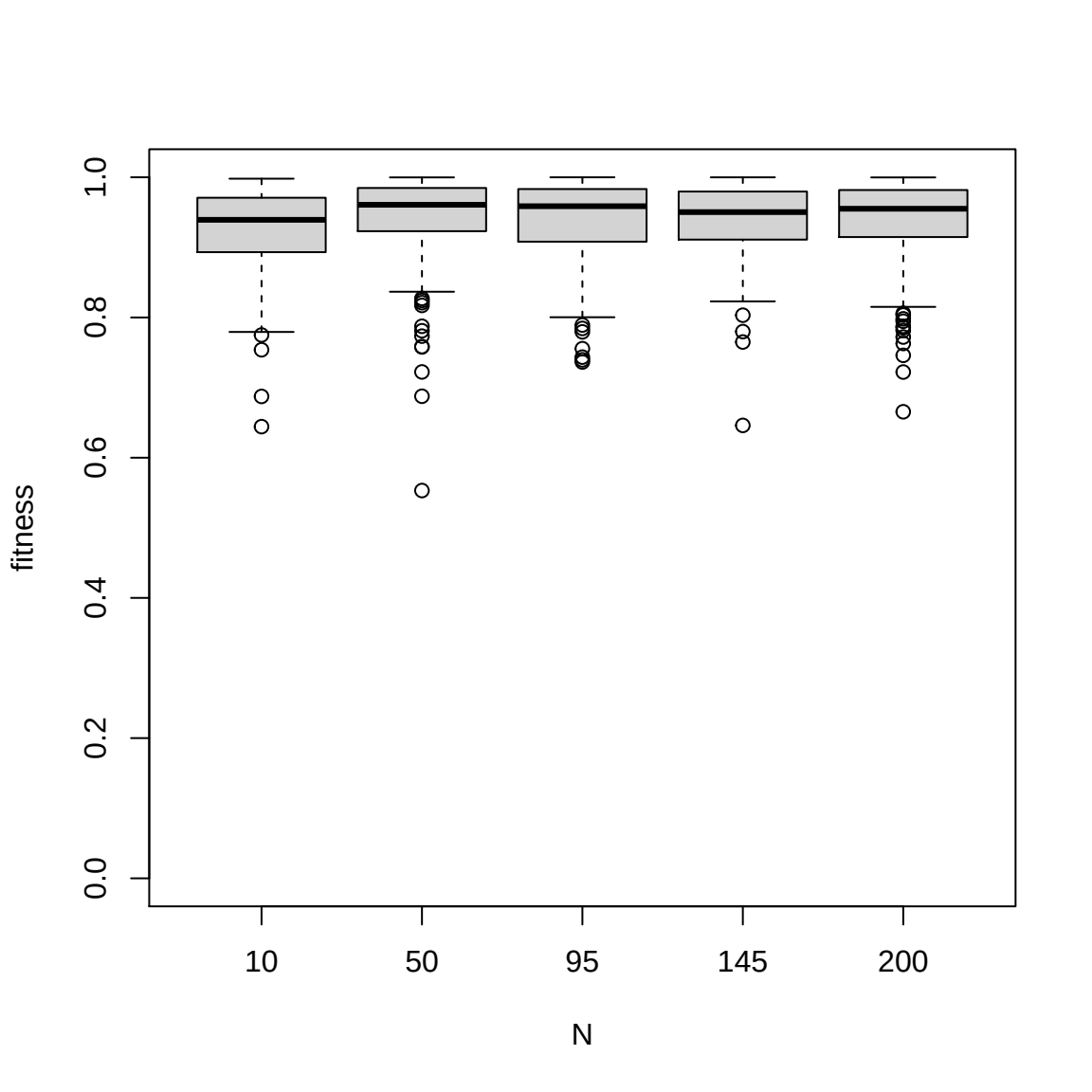

enic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m
1231220
Amount of local adaptation
0.0
0.2
0.4
0.6
0.8
1.0
0
500
1000
1500
2000
2500
3000
Generation


enic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m
1231220
Mean metapopulation phenotype
1.0
0.5
0.0
−0.5
−1.0
0
500
1000
1500
2000
2500
3000
Generation

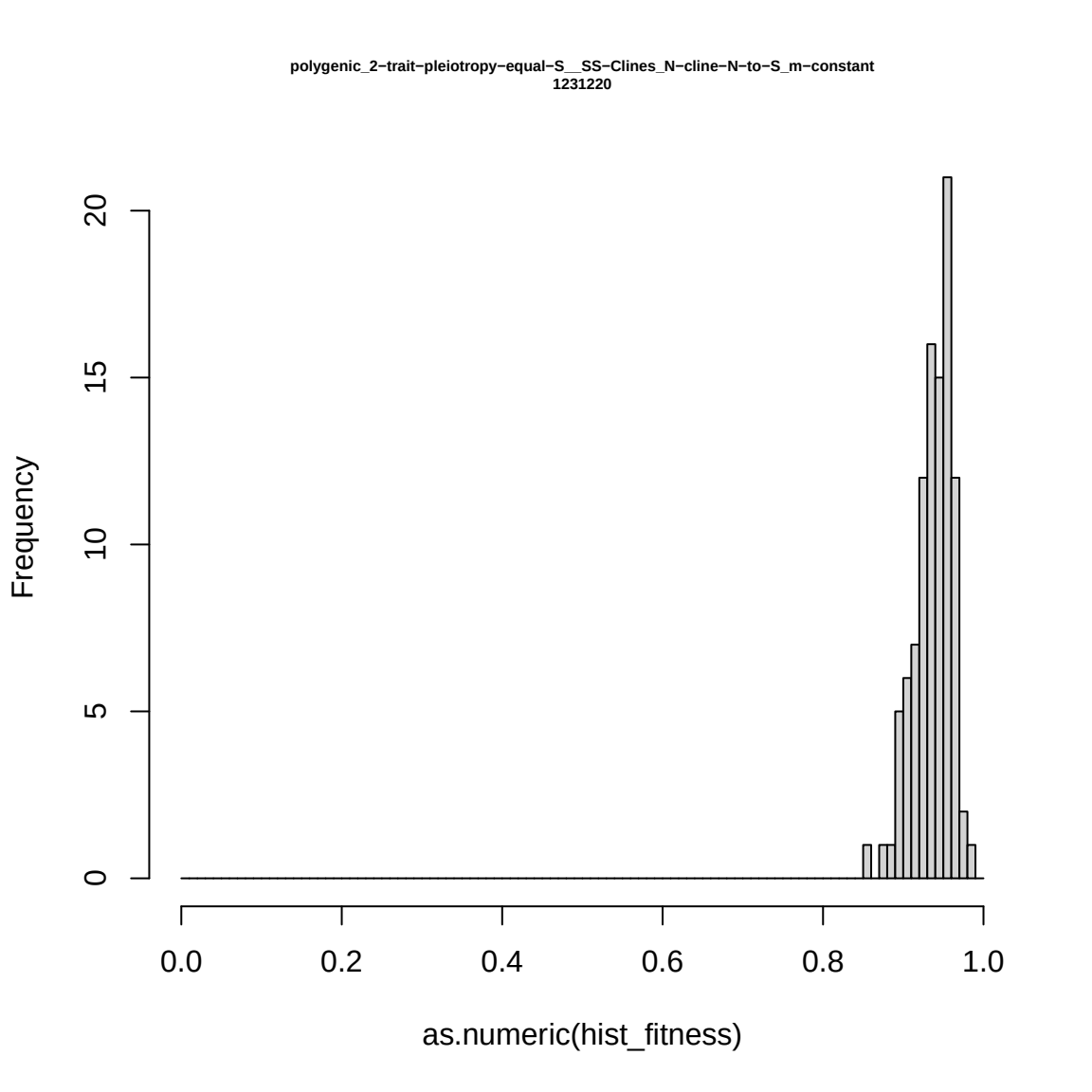

all
fitness
0.0
0.2
0.4
0.6
0.8
1.0
1
7
14
22
30
38
46
54
62
70
78
86
94
pop

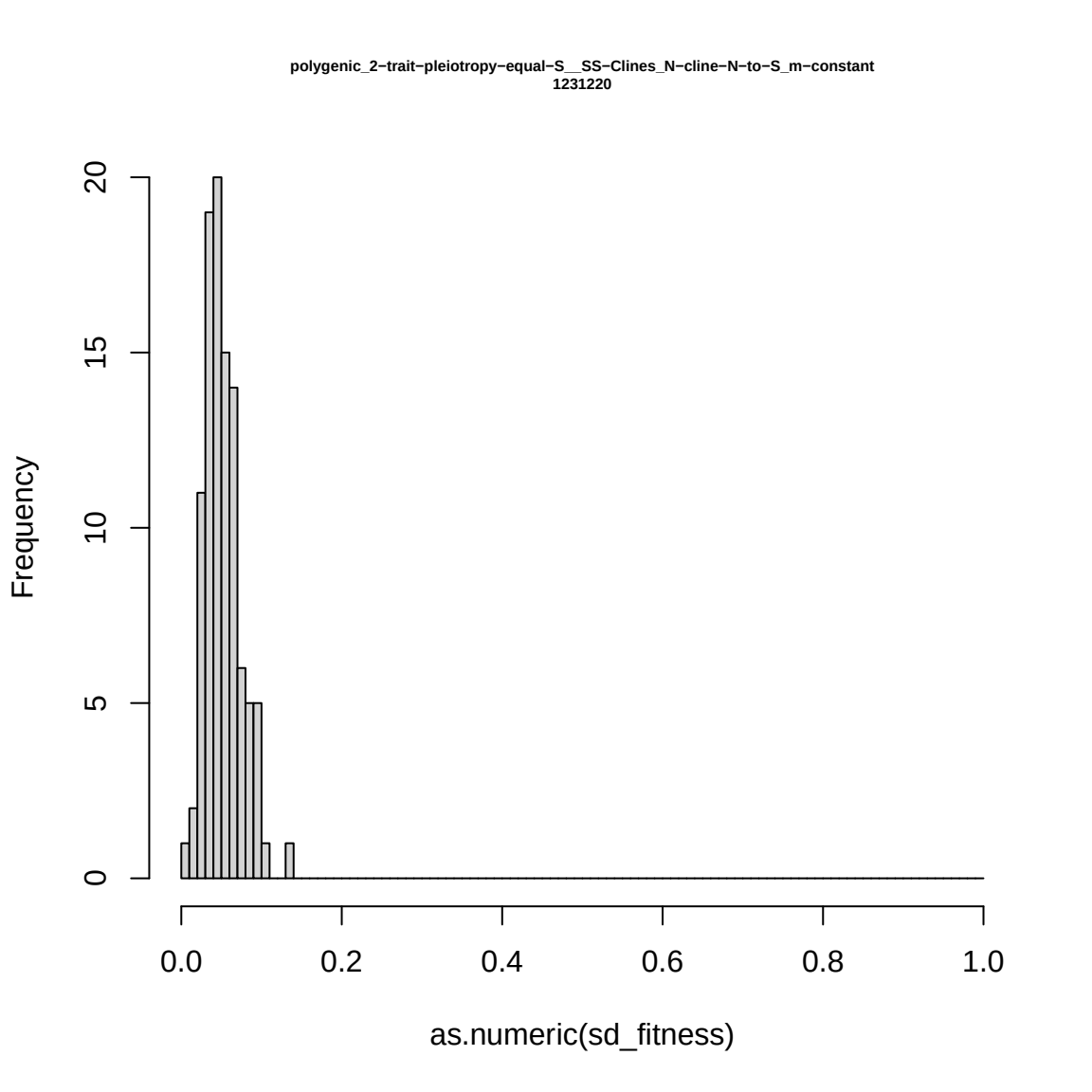

all
fitness
0.0
0.2
0.4
0.6
0.8
1.0
10
50
95
145
200
N


subset
fitness
0.0
0.2
0.4
0.6
0.8
1.0
1
7
14
22
30
38
46
54
62
70
78
86
94
pop


fitness
0.0
0.2
0.4
0.6
0.8
1.0
10
50
95
145
200
N

fitness
0.0
0.2
0.4
0.6
0.8
1.0
50
100
150
200
N


polygenic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m−constant
1231220
Frequency
0
5
10
15
20
0.0
0.2
0.4
0.6
0.8
1.0
as.numeric(hist_fitness)


polygenic_2−trait−pleiotropy−equal−S__SS−Clines_N−cline−N−to−S_m−constant
1231220
Frequency
0
5
10
15
20
0.0
0.2
0.4
0.6
0.8
1.0
as.numeric(sd_fitness)