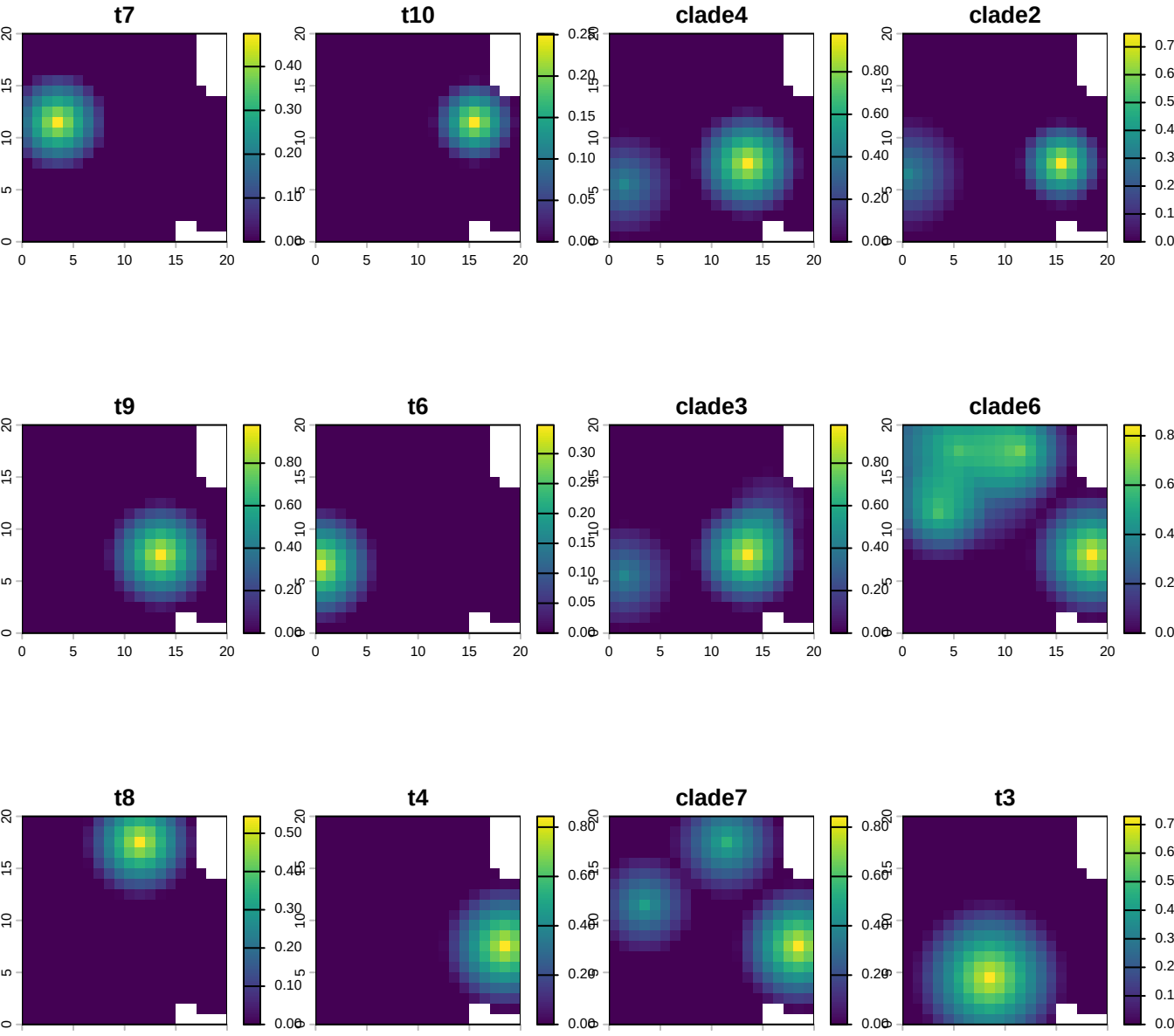
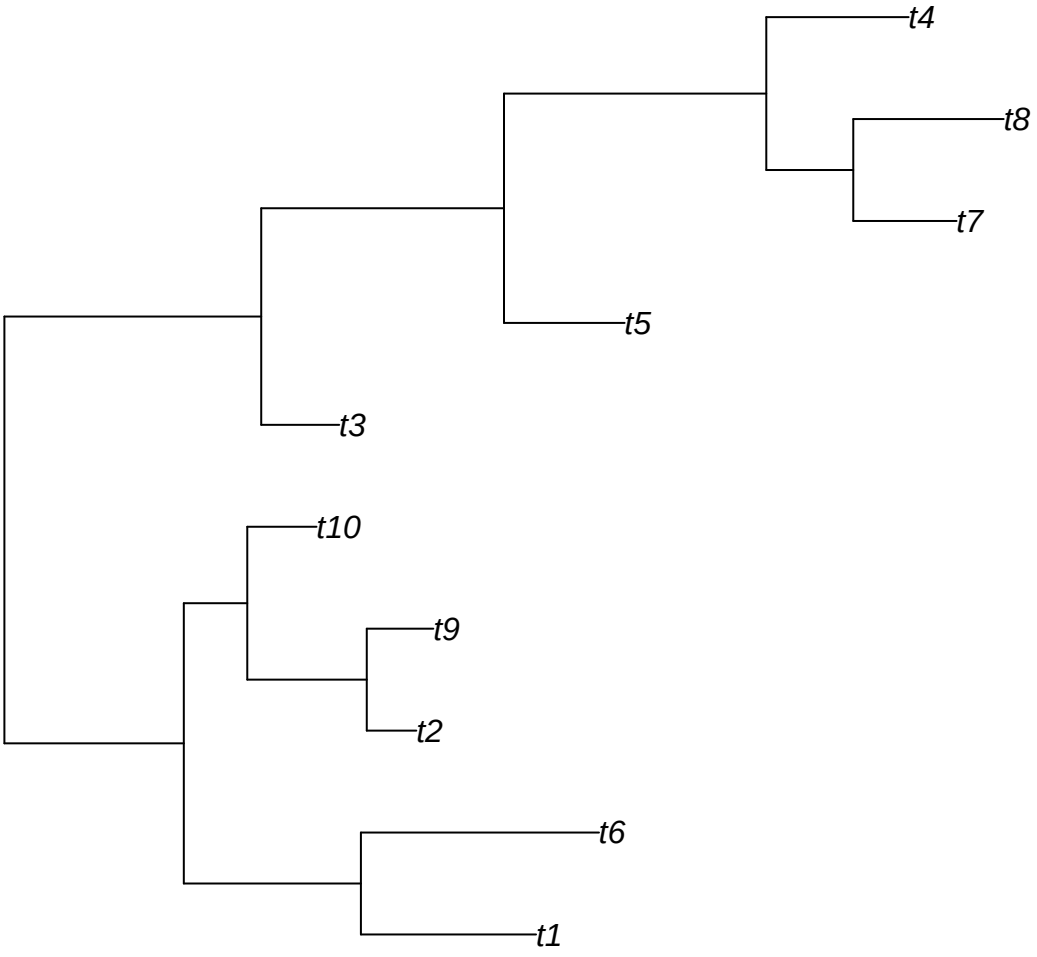
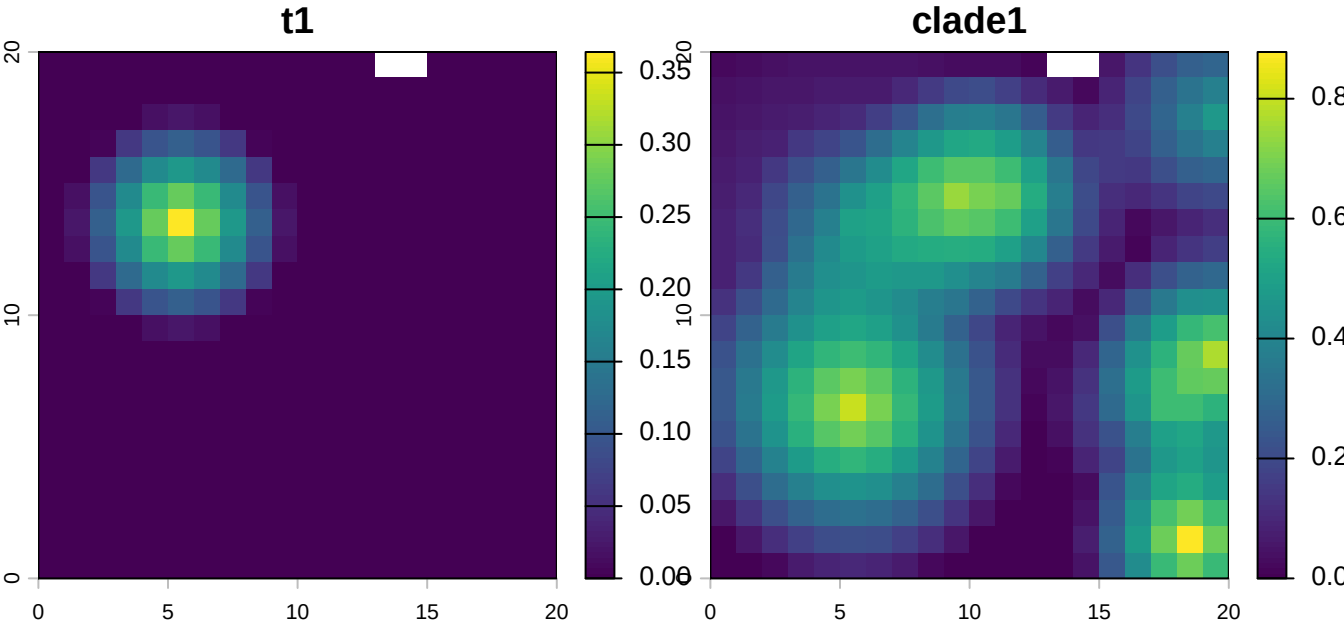
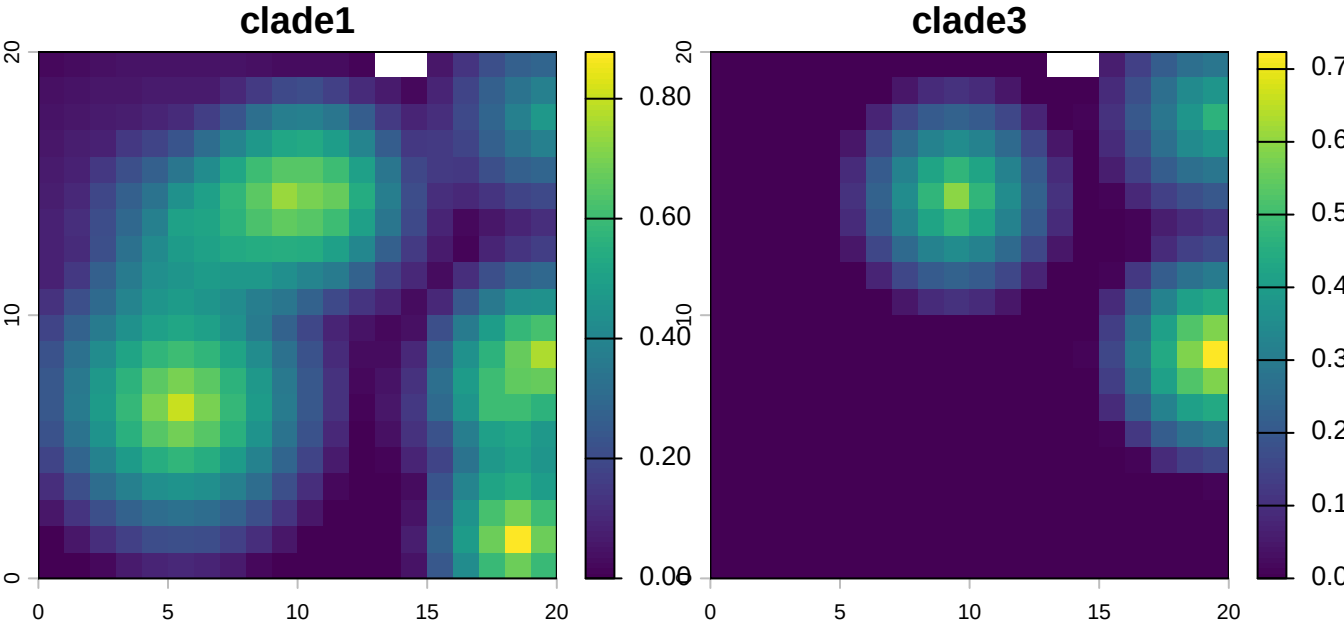
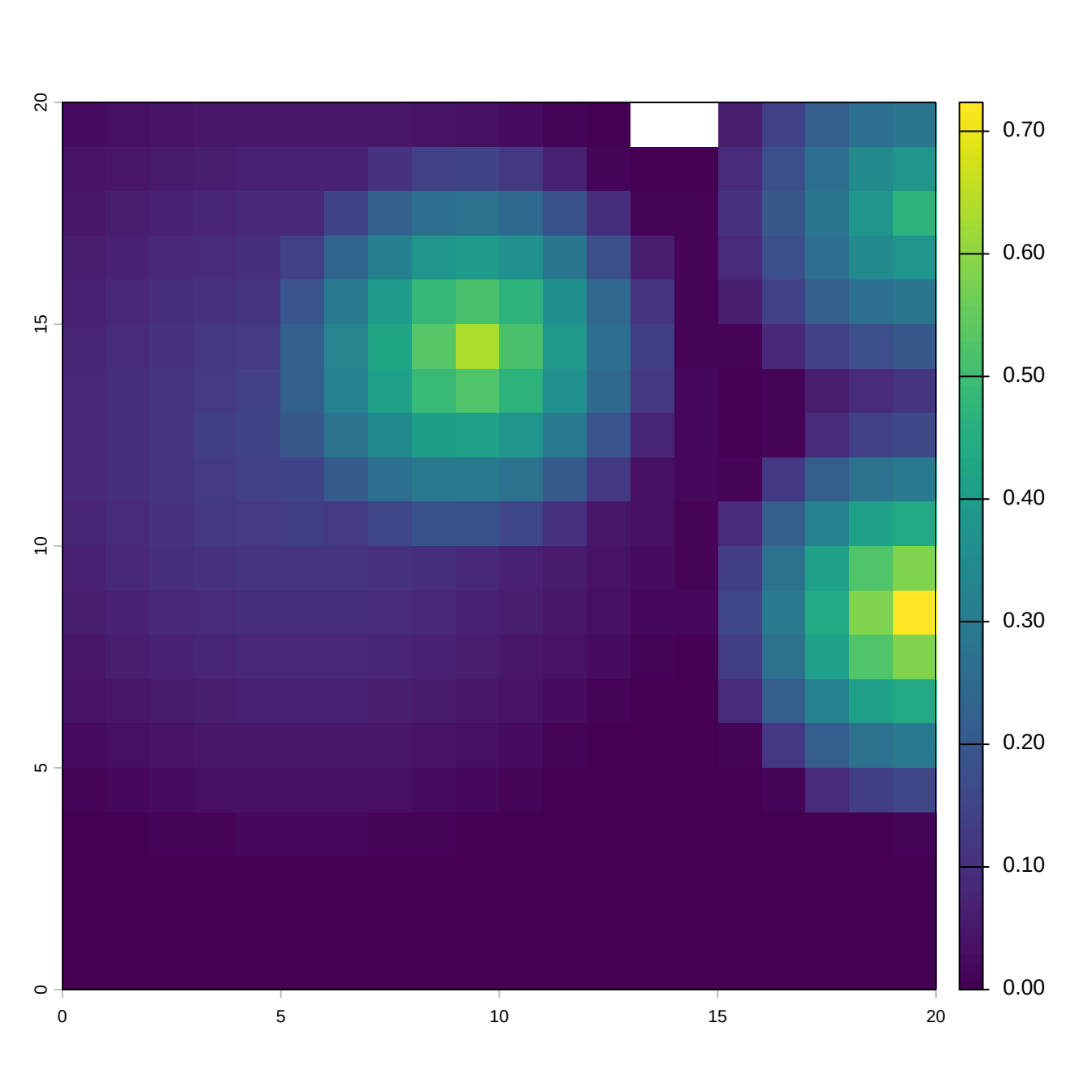
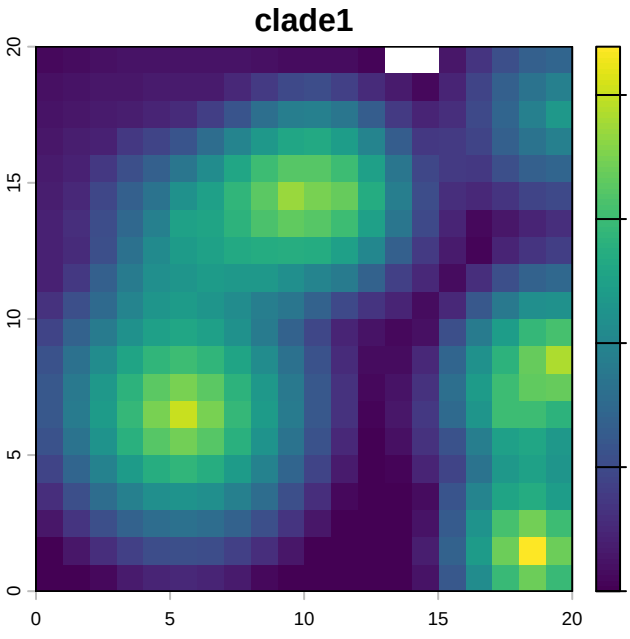

t7
t10
clade4
clade2
t9
t6
clade3
clade6
t8
t4
clade7
t3

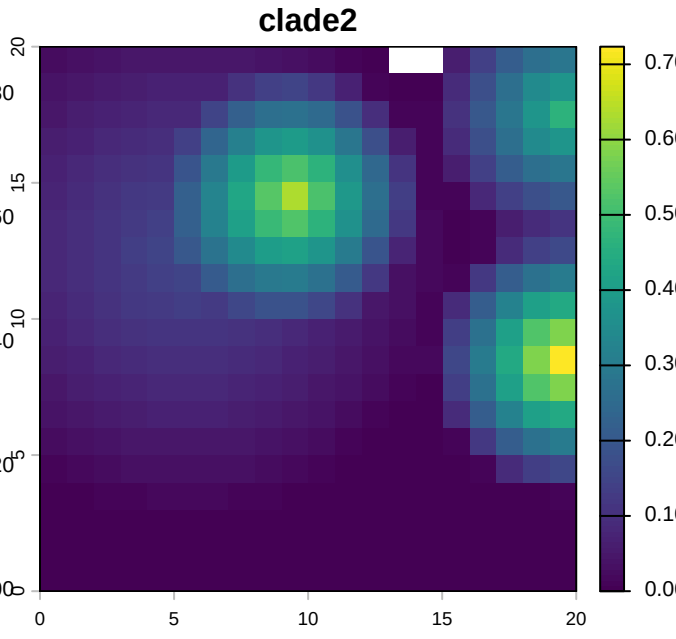

t4
t8
t7
t5
t3
t10
t9
t2
t6
t1

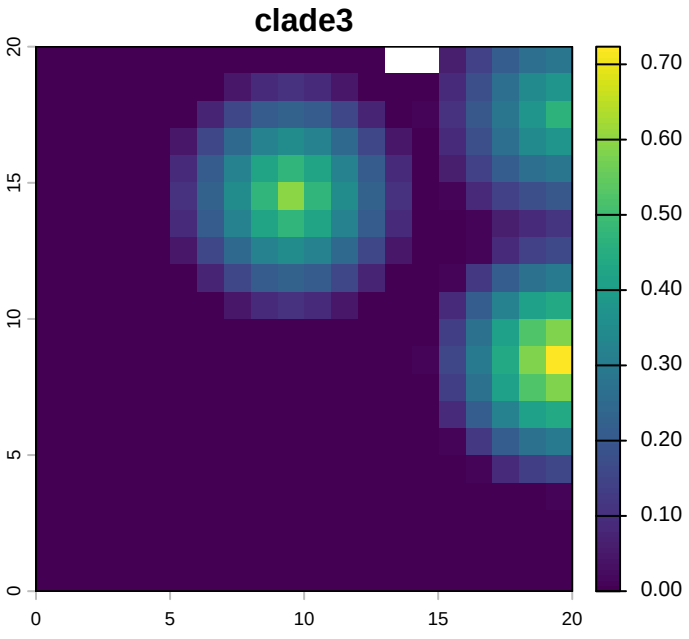

t1
clade1
0
5
10
15
20
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00


clade1
clade3
0
10
20
0
5
10
15
20
0.00
0.20
0.40
0.60
0.80

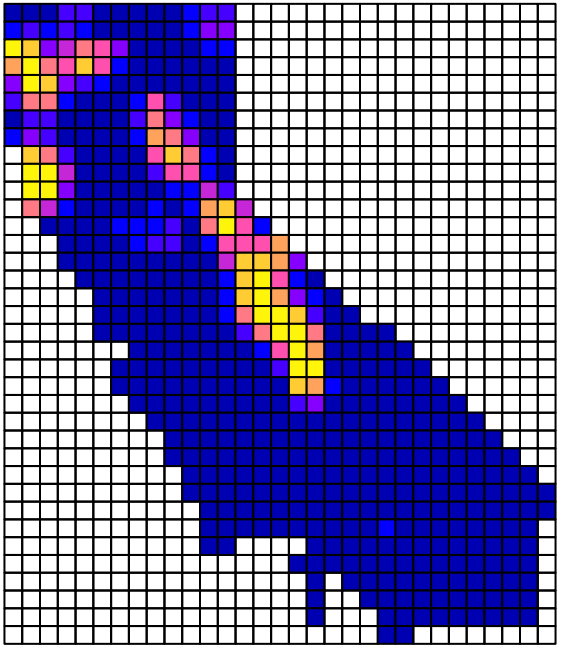

20
15
10
5
0
0
5
10
15
20
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00


clade1
0
5
10
15
20
0.00
0.20
0.40
0.60
0.80

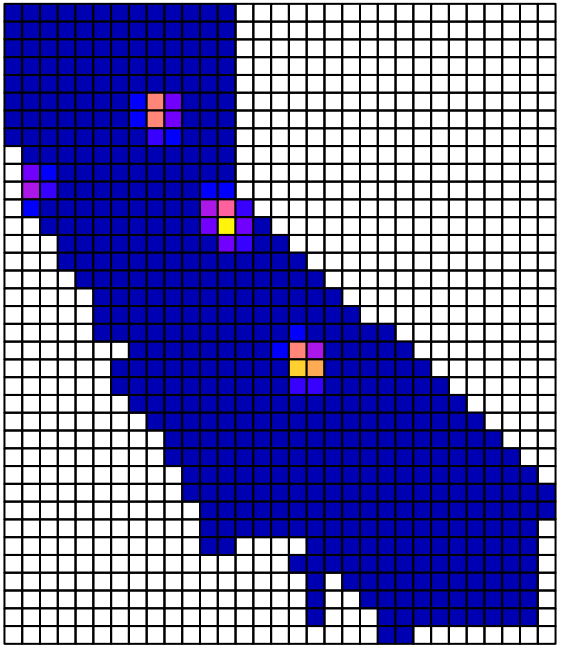

clade2
0
5
10
15
20

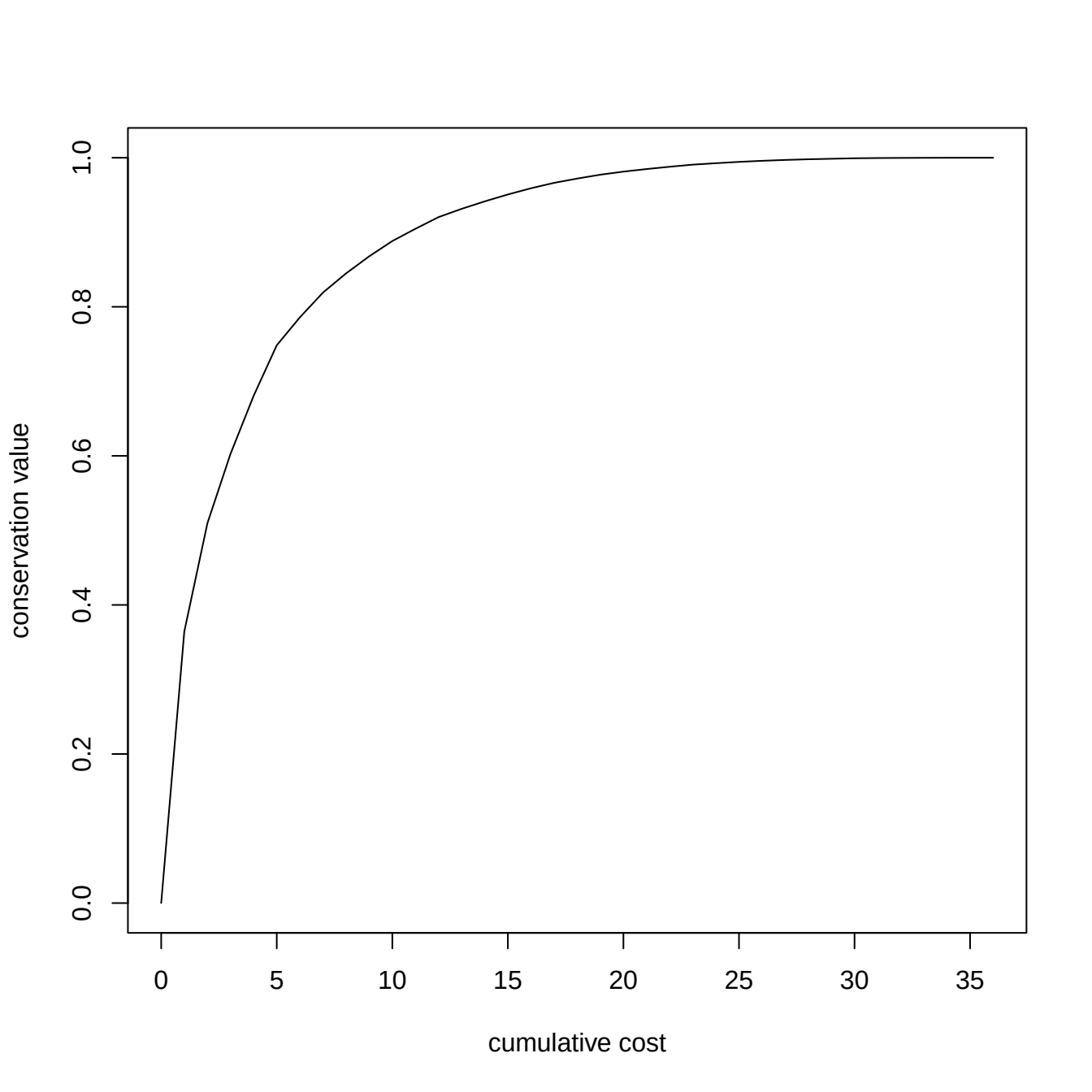

clade3
0
5
10
15
20
0.00
0.10
0.20
0.30
0.40
0.50
0.60
0.70

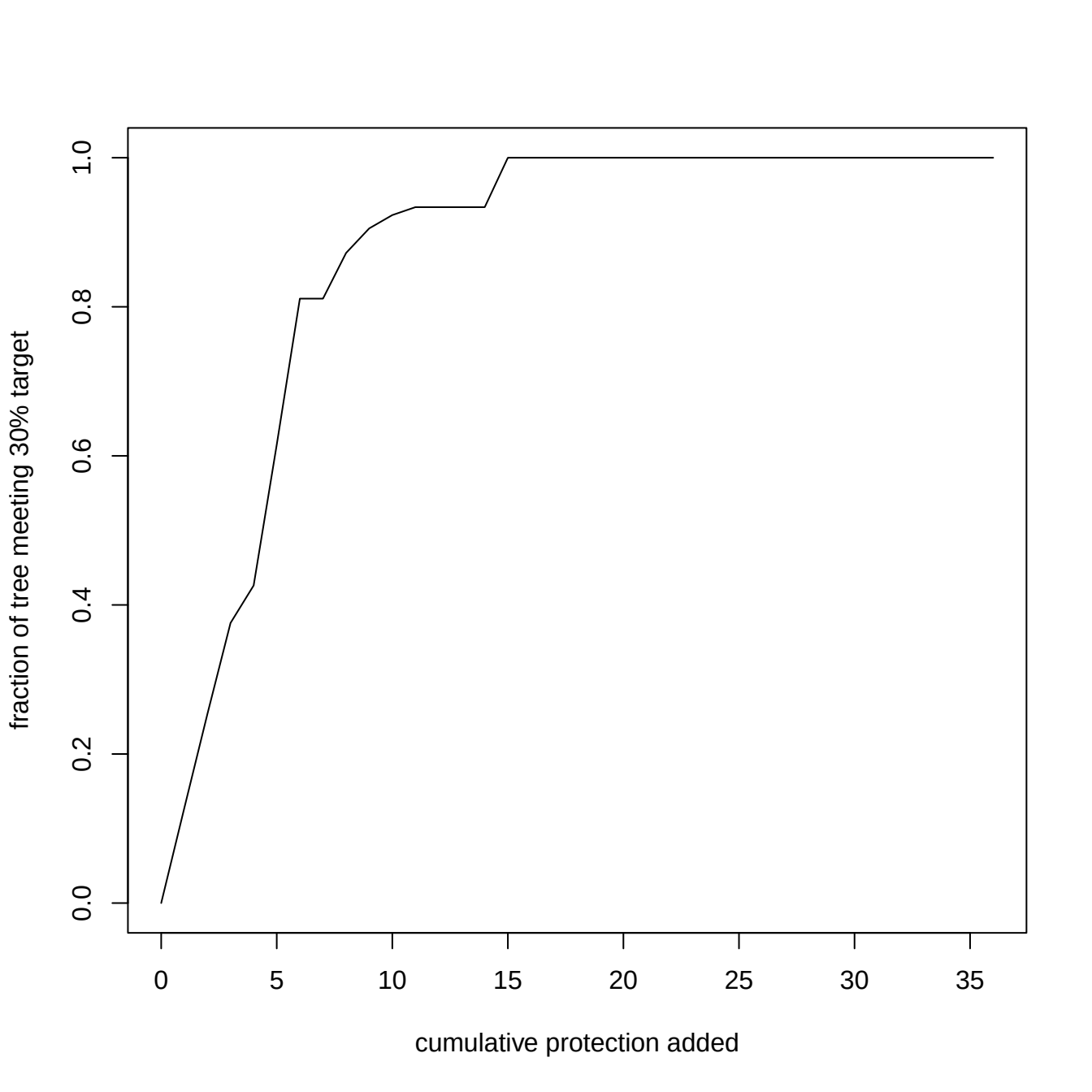
clade1

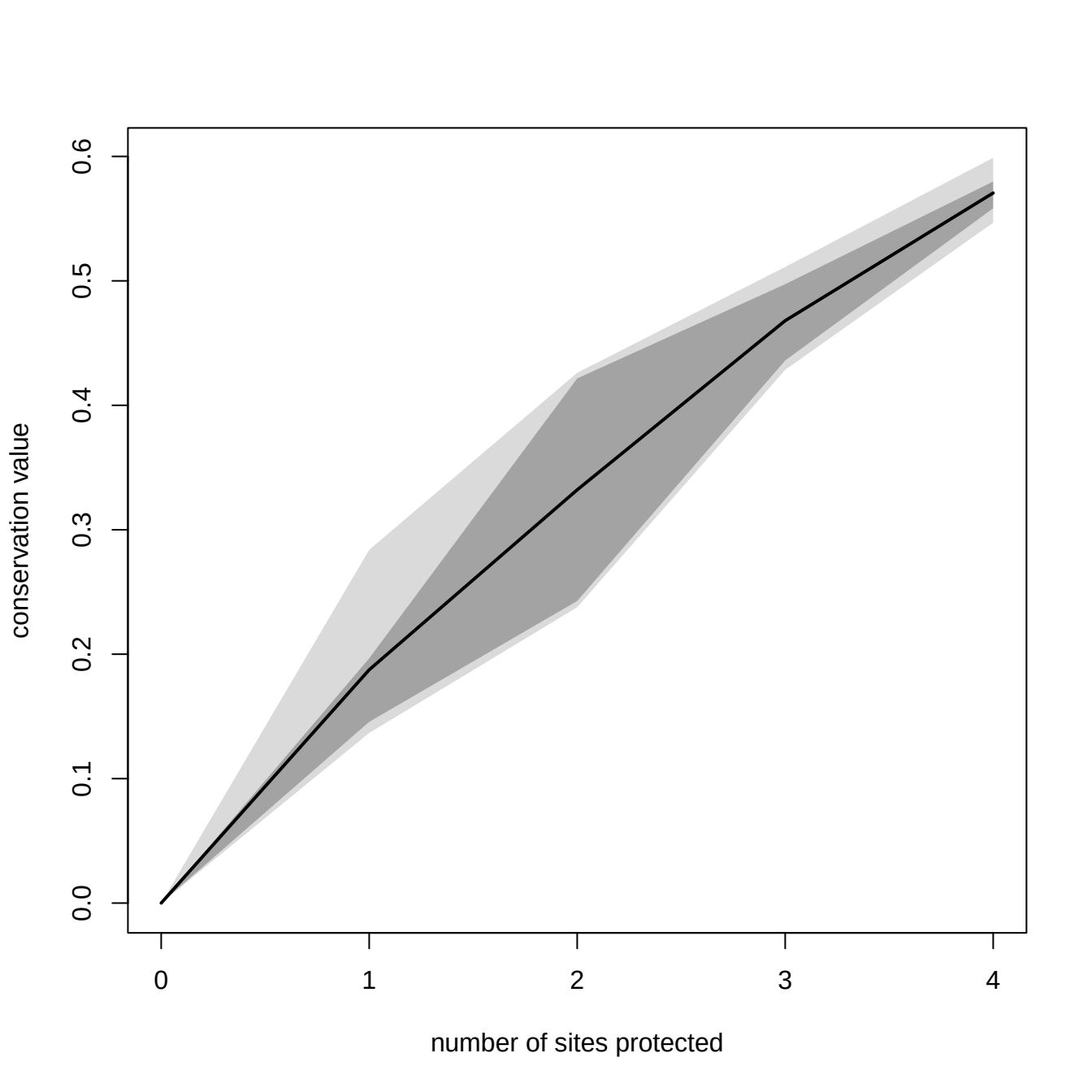


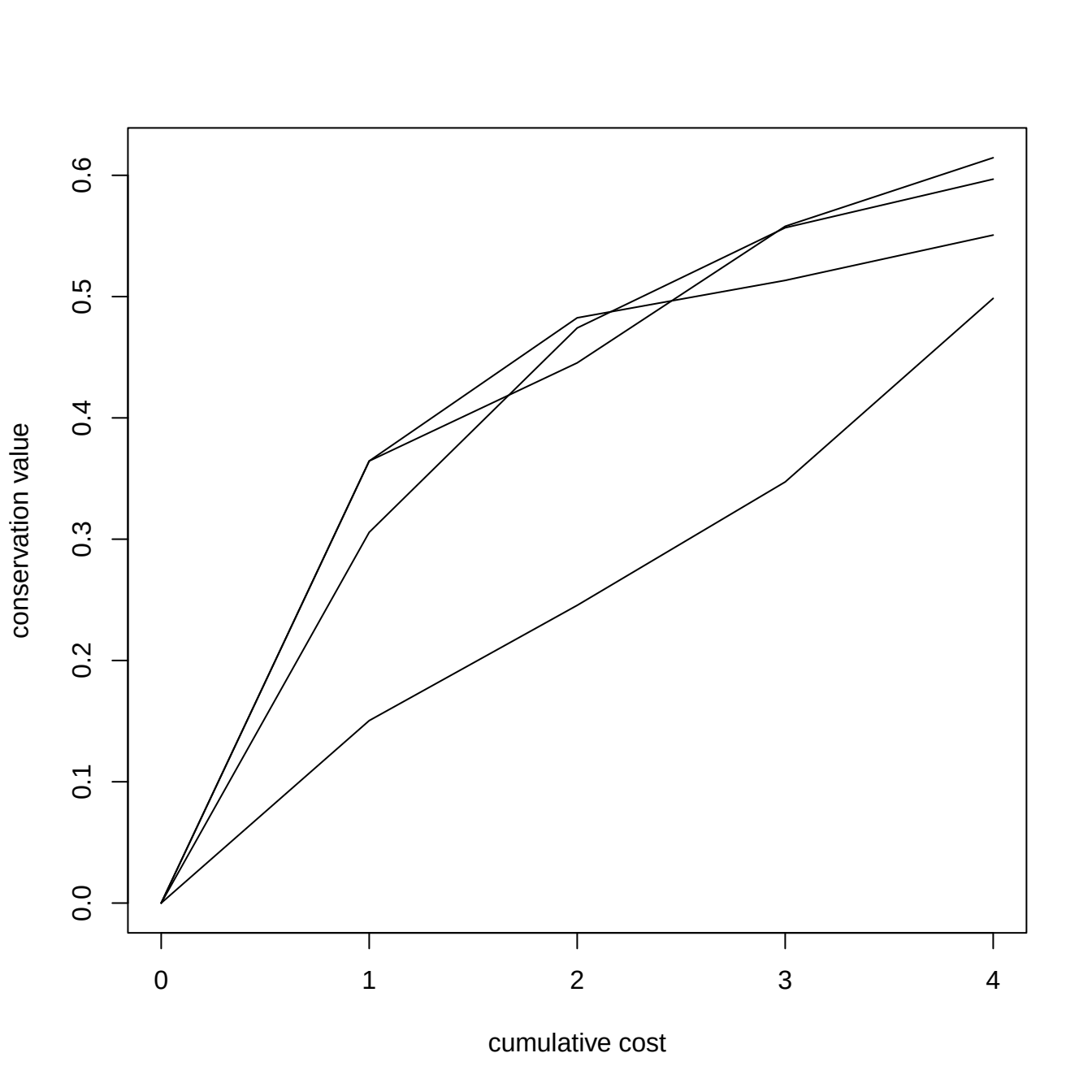
Sphagnum_teres

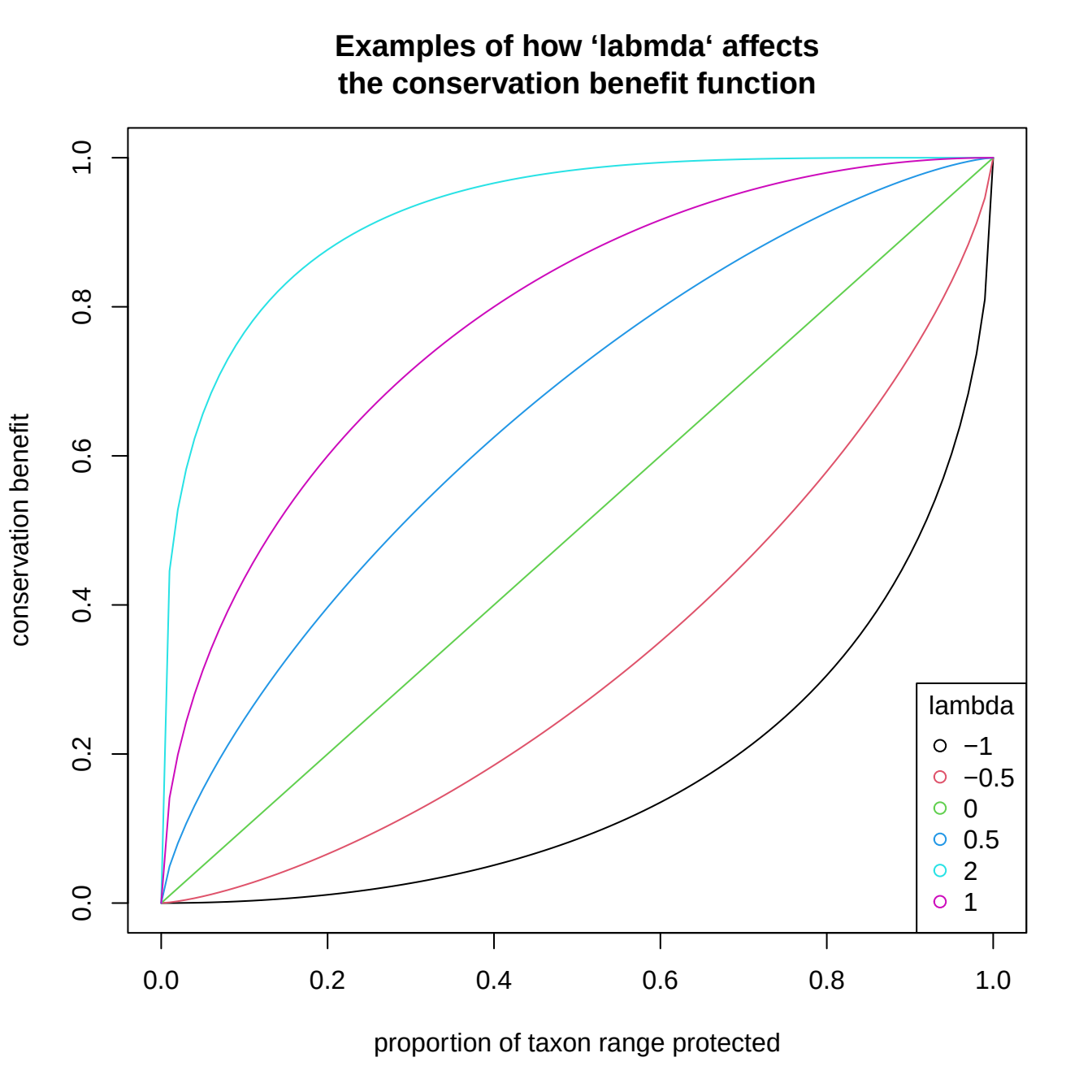


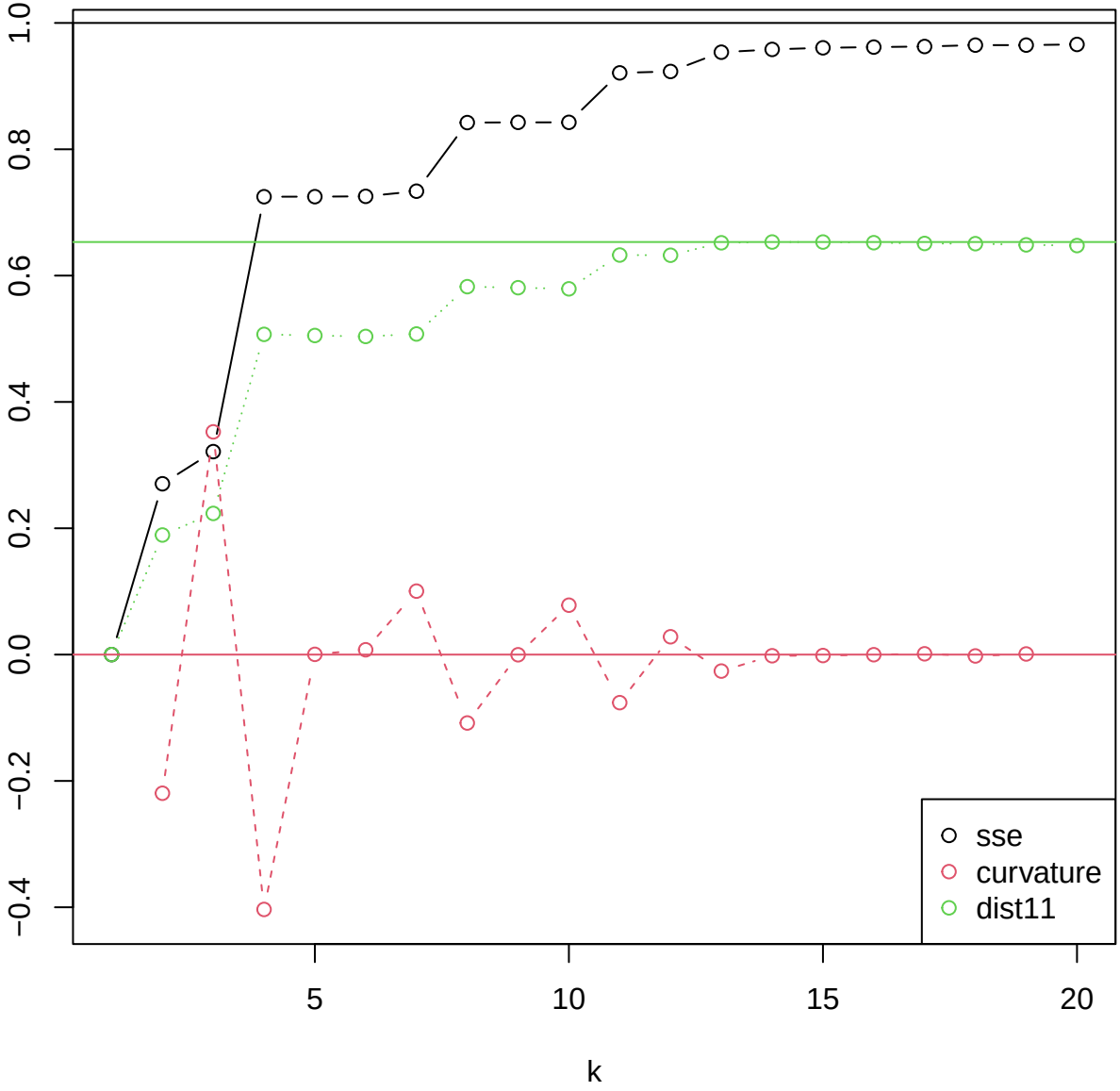

conservation value
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
30
35
cumulative cost


fraction of tree meeting 30% target
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
30
35
cumulative protection added


conservation value
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
number of sites protected


conservation value
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
1
2
3
4
cumulative cost


Examples of how ‘labmda‘ affects
the conservation benefit function
conservation benefit
0.0
0.2
0.4
0.6
0.8
1.0
0.0
0.2
0.4
0.6
0.8
1.0
proportion of taxon range protected
lambda
−1
−0.5
0
0.5
2
1


1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
5
10
15
20
k
sse
curvature
dist11