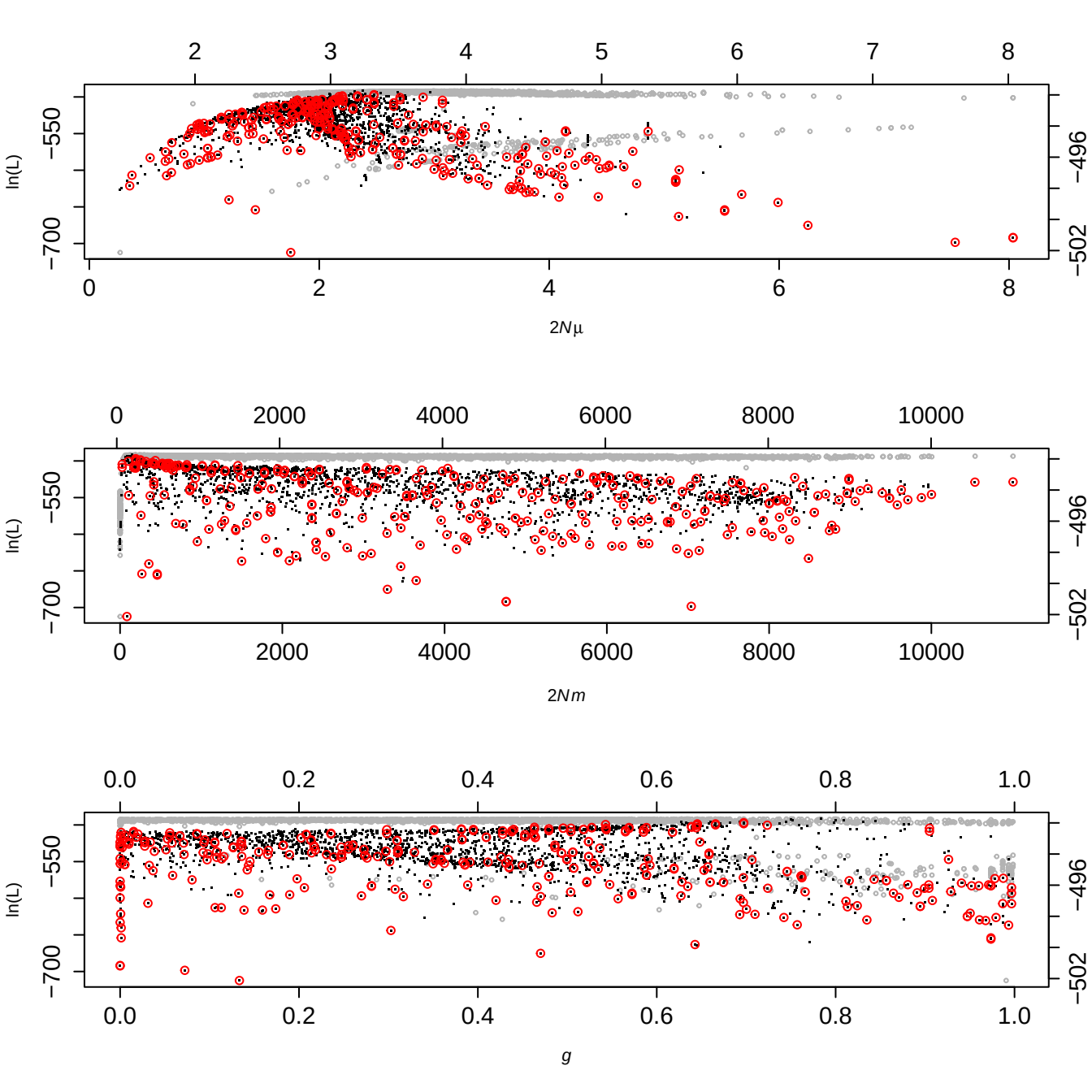
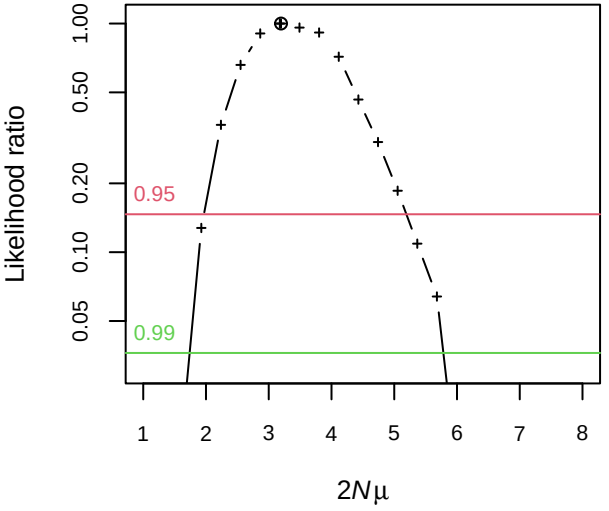
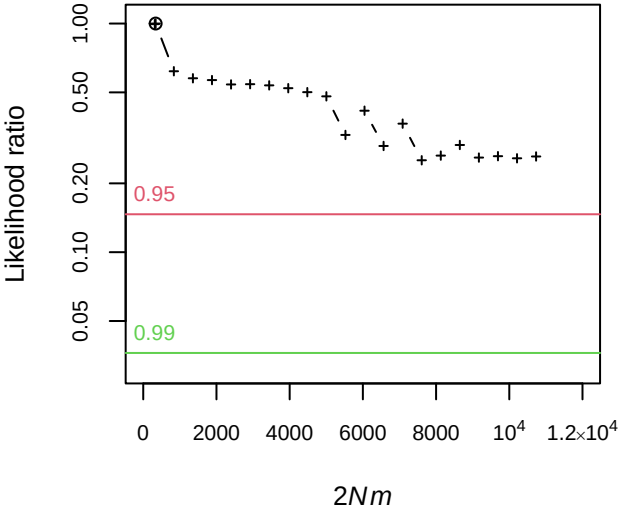
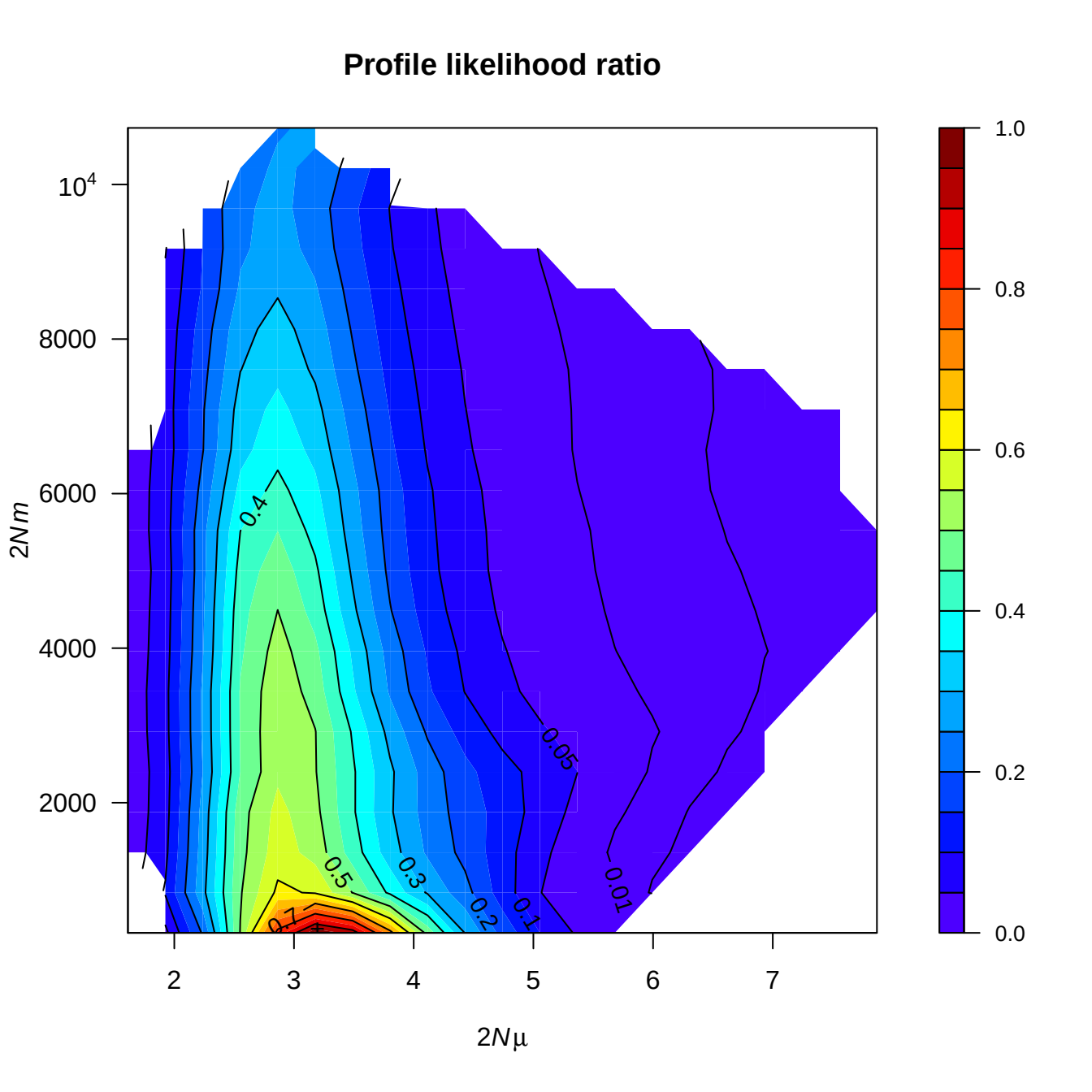
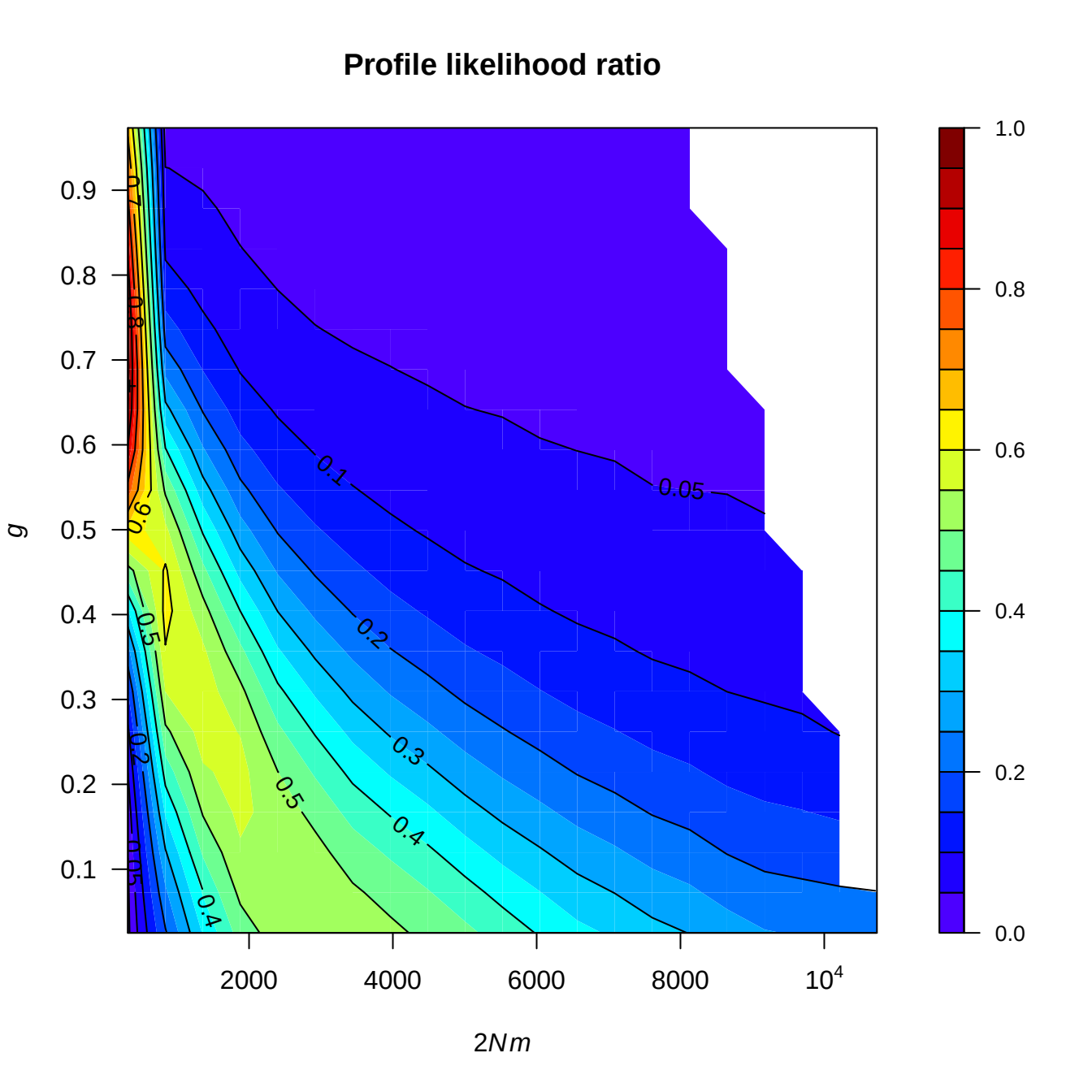
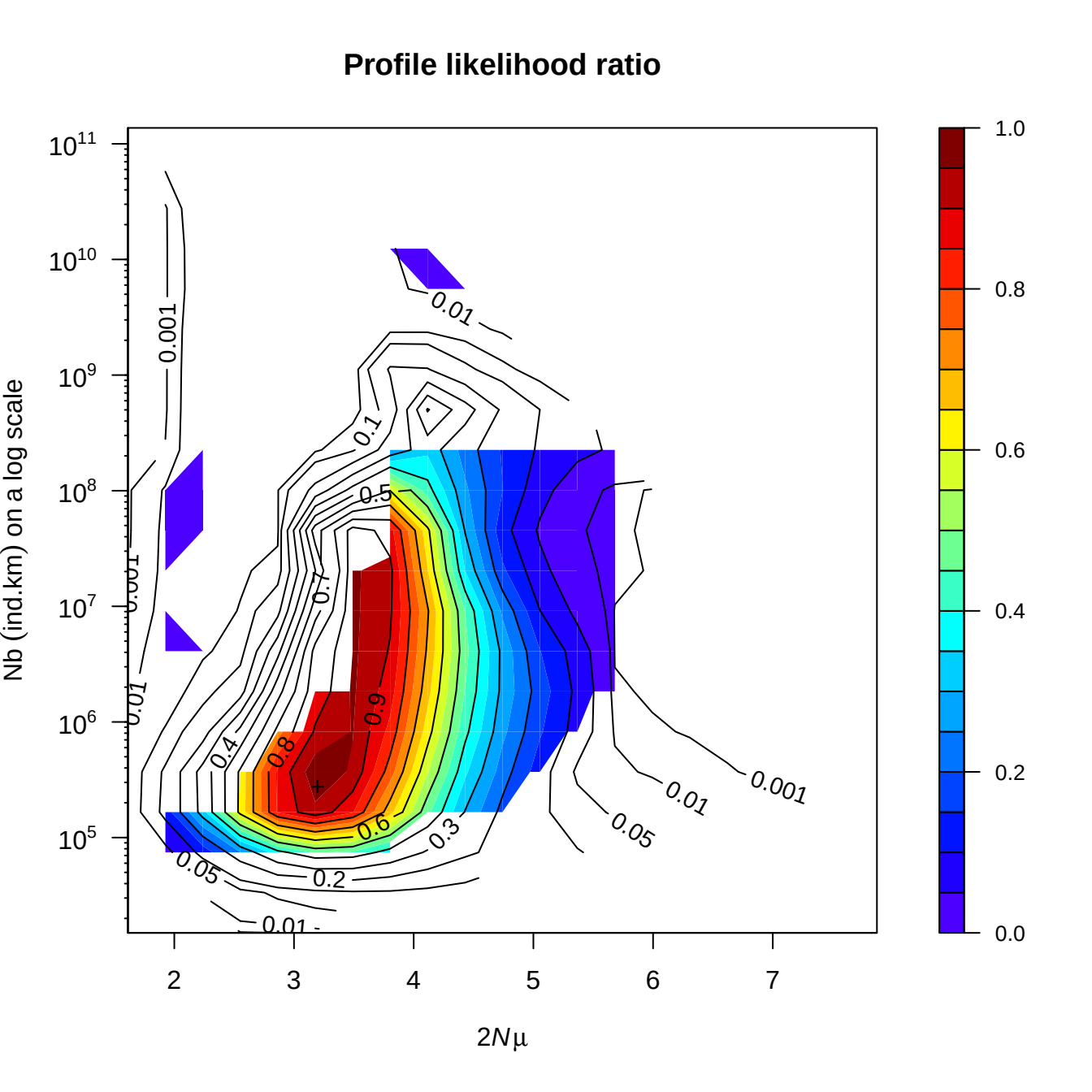

ln(L)
−550
−700
−496
−502
2
3
4
5
6
7
8
0
2
4
6
8
2Nμ
0
2000
4000
6000
8000
10000
2Nm
0.0
0.2
0.4
0.6
0.8
1.0
g

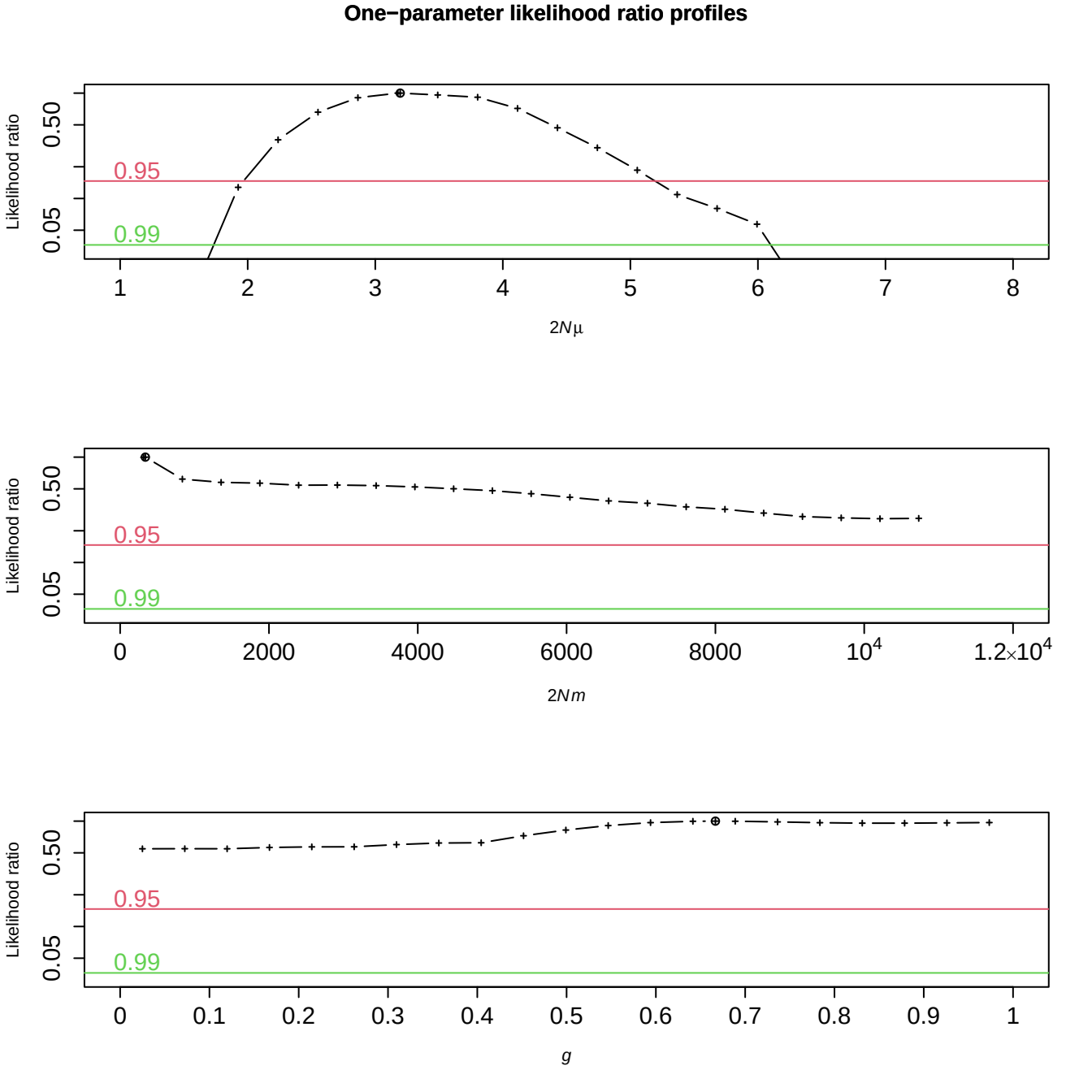

Likelihood ratio
1.00
0.50
0.20
0.10
0.05
0.95
0.99
1
2
3
4
5
6
7
8
2Nμ

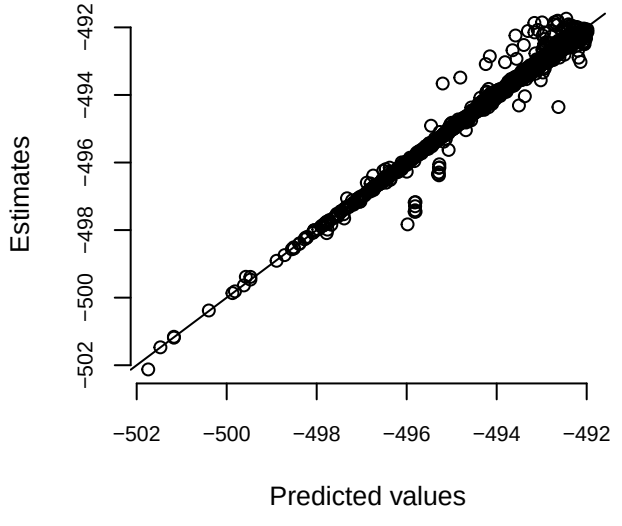

Likelihood ratio
1.00
0.50
0.20
0.10
0.05
0.95
0.99
0
2000
4000
6000
8000
10^4
1.2×10^4
2Nm

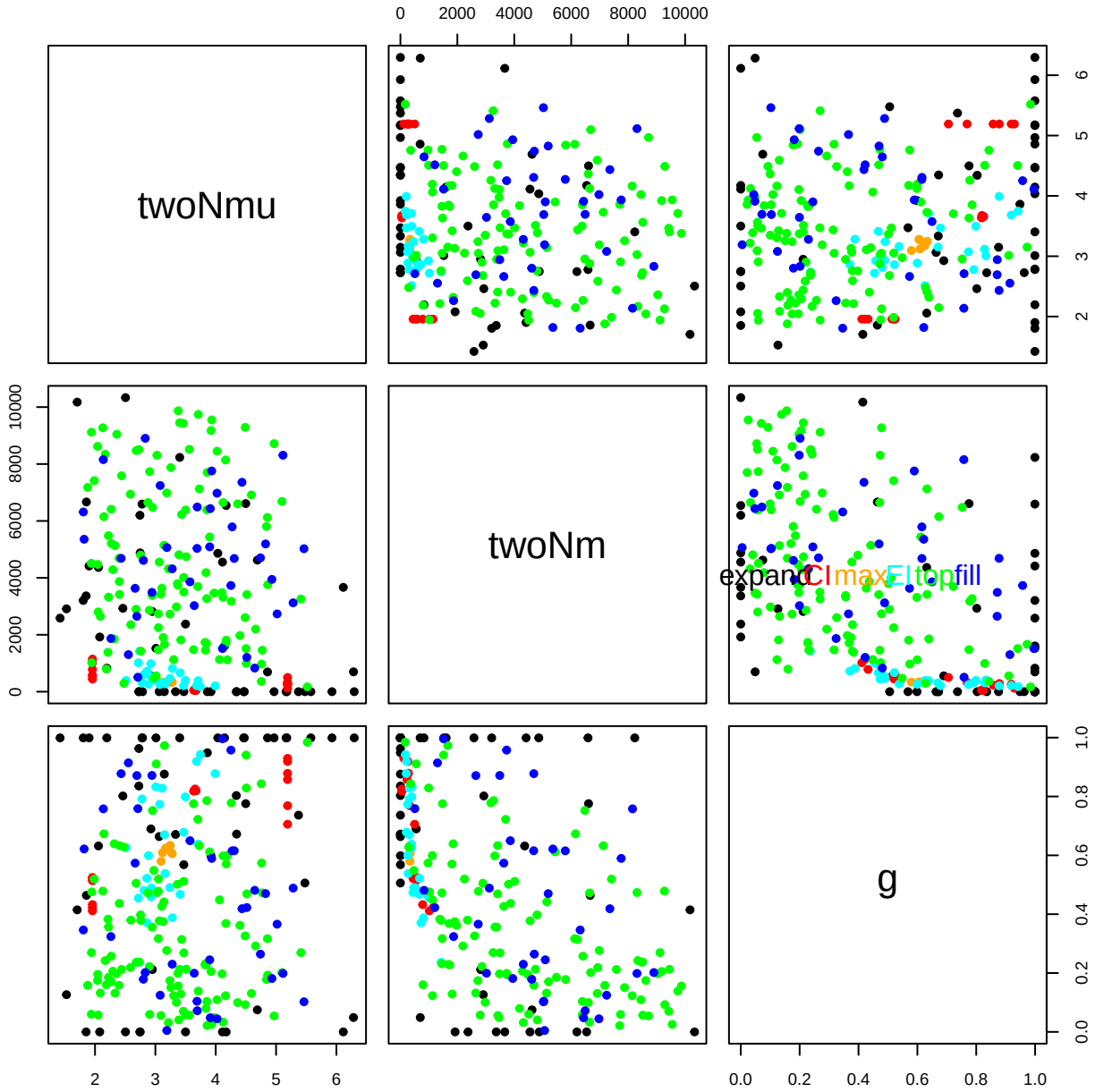

Profile likelihood ratio
10^4
8000
6000
4000
2000
2Nm
0.4
0.5
0.3
0.2
0.1
0.05
0.01
2
3
4
5
6
7
2Nμ
1.0
0.8
0.6
0.4
0.2
0.0


Profile likelihood ratio
g
2Nm
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
2000
4000
6000
8000
10^4
0.7
0.8
0.9
0.5
0.2
0.05
0.4
0.1
0.2
0.3
0.5
0.4
1.0
0.8
0.6
0.4
0.2
0.0


Profile likelihood ratio
Nb (ind.km) on a log scale
10^{11}
10^{10}
10^{9}
10^{8}
10^{7}
10^{6}
10^{5}
2
3
4
5
6
7
$2N\mu$
0.001
0.01
0.1
0.5
0.7
0.9
0.8
0.4
0.6
0.3
0.2
0.05
1.0
0.8
0.6
0.4
0.2
0.0


One−parameter likelihood ratio profiles
Likelihood ratio
0.50
0.05
0.95
0.99
1
2
3
4
5
6
7
8
2Nμ
Likelihood ratio
0.50
0.05
0.95
0.99
0
2000
4000
6000
8000
10^4
1.2×10^4
2Nm
Likelihood ratio
0.50
0.05
0.95
0.99
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
g


Estimates
−502
−500
−498
−496
−494
−492
−502
−500
−498
−496
−494
−492
Predicted values


twoNmu
twoNm
expandCImaxEltopfill
g
0
2000
4000
6000
8000
10000
2
3
4
5
6
0.0
0.2
0.4
0.6
0.8
1.0