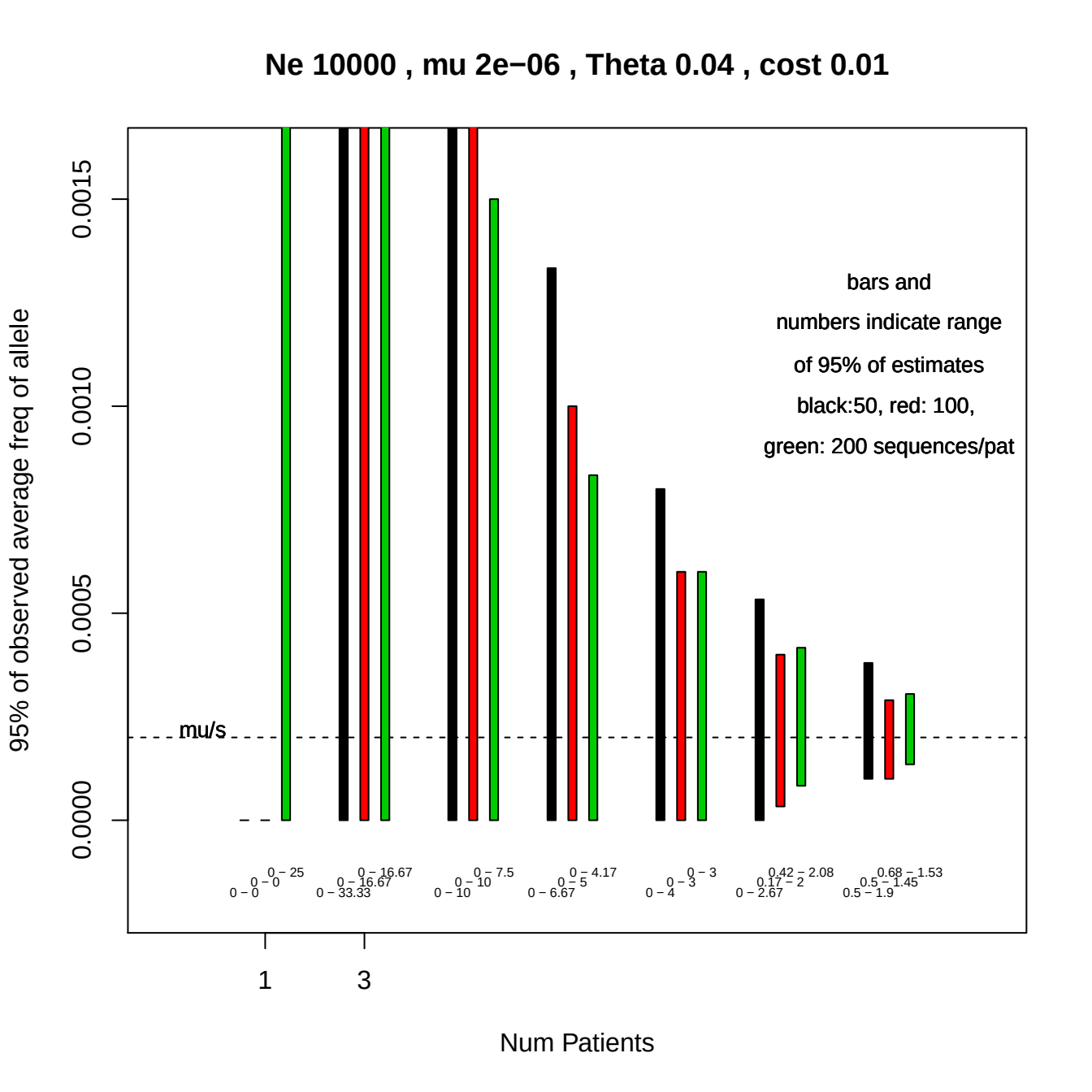
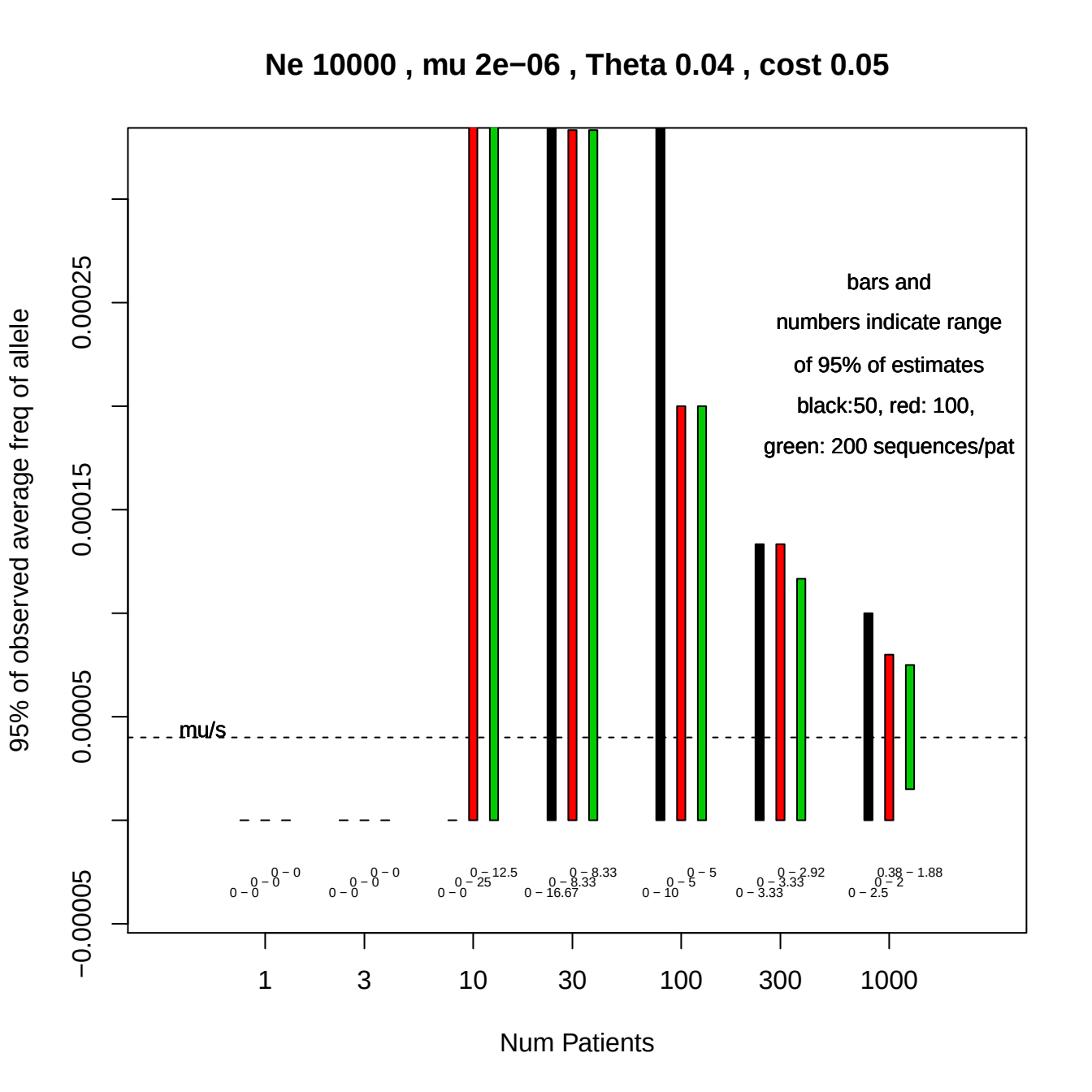
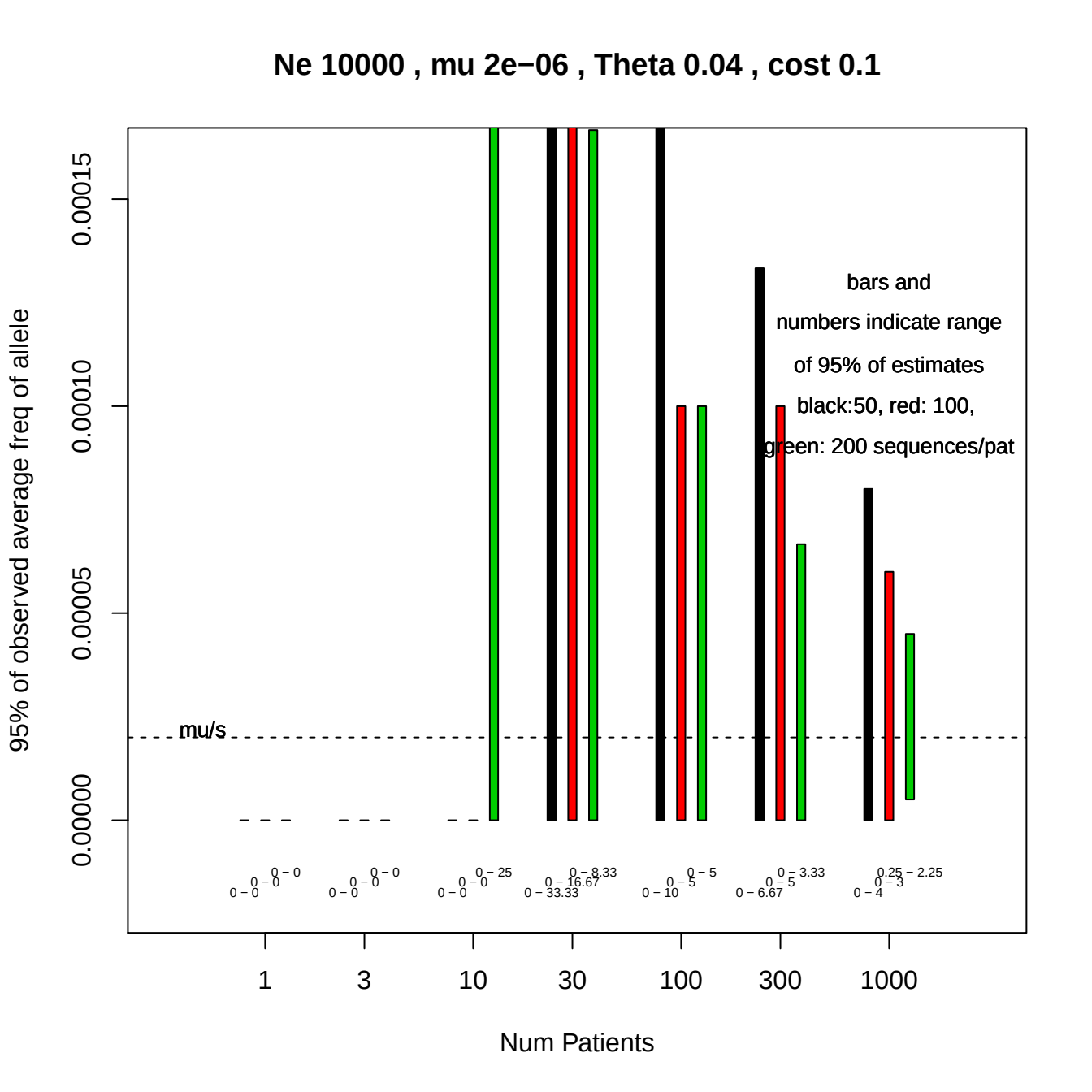
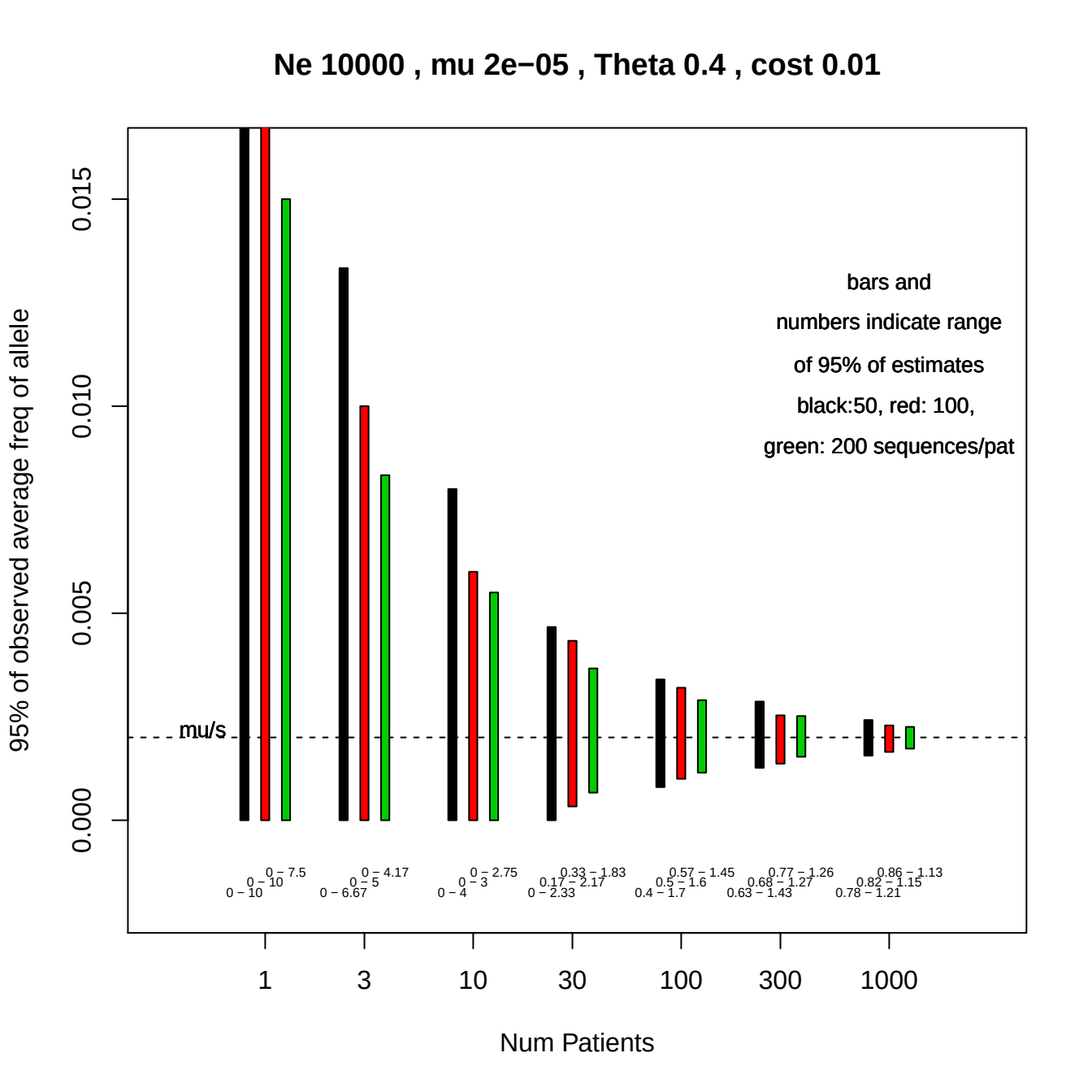
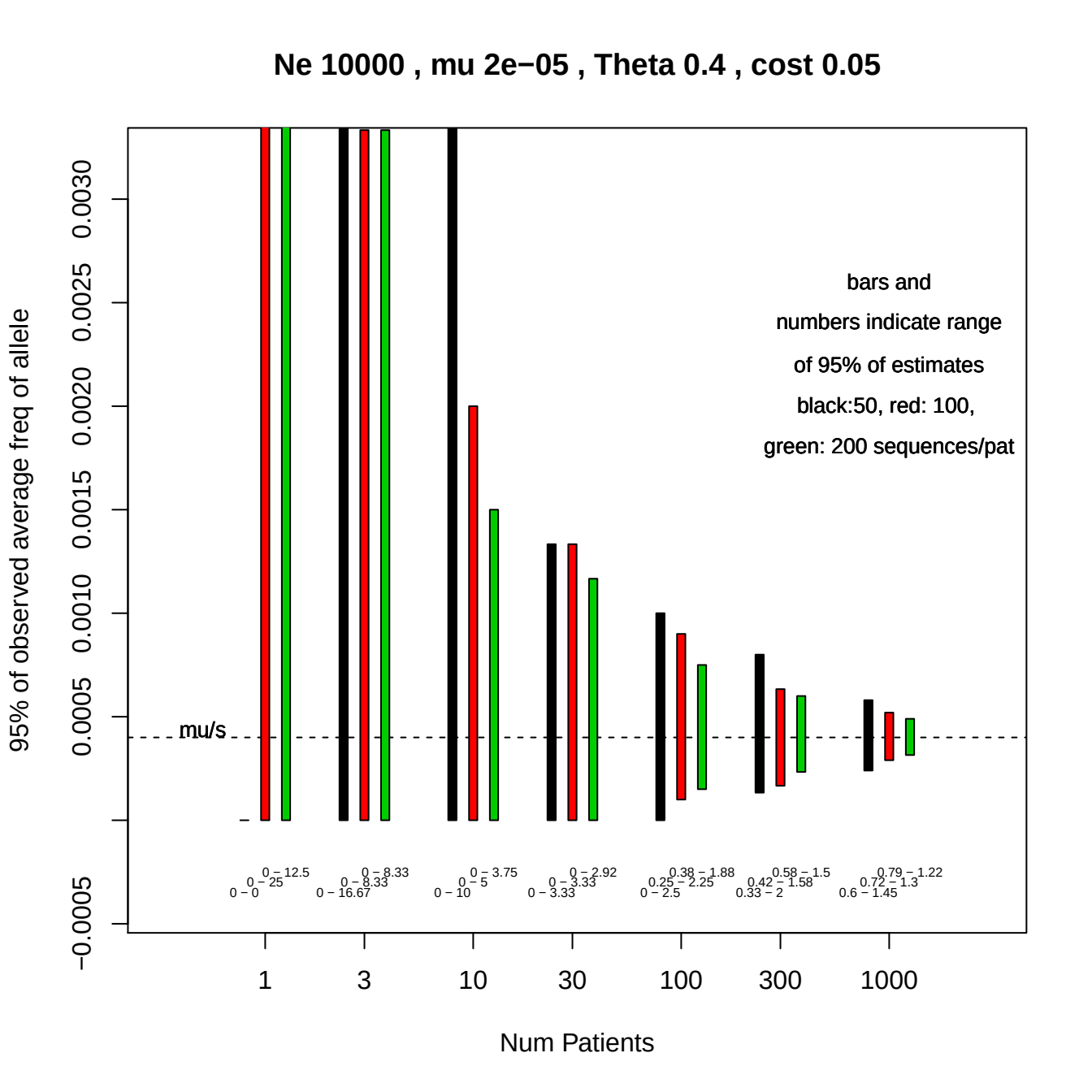
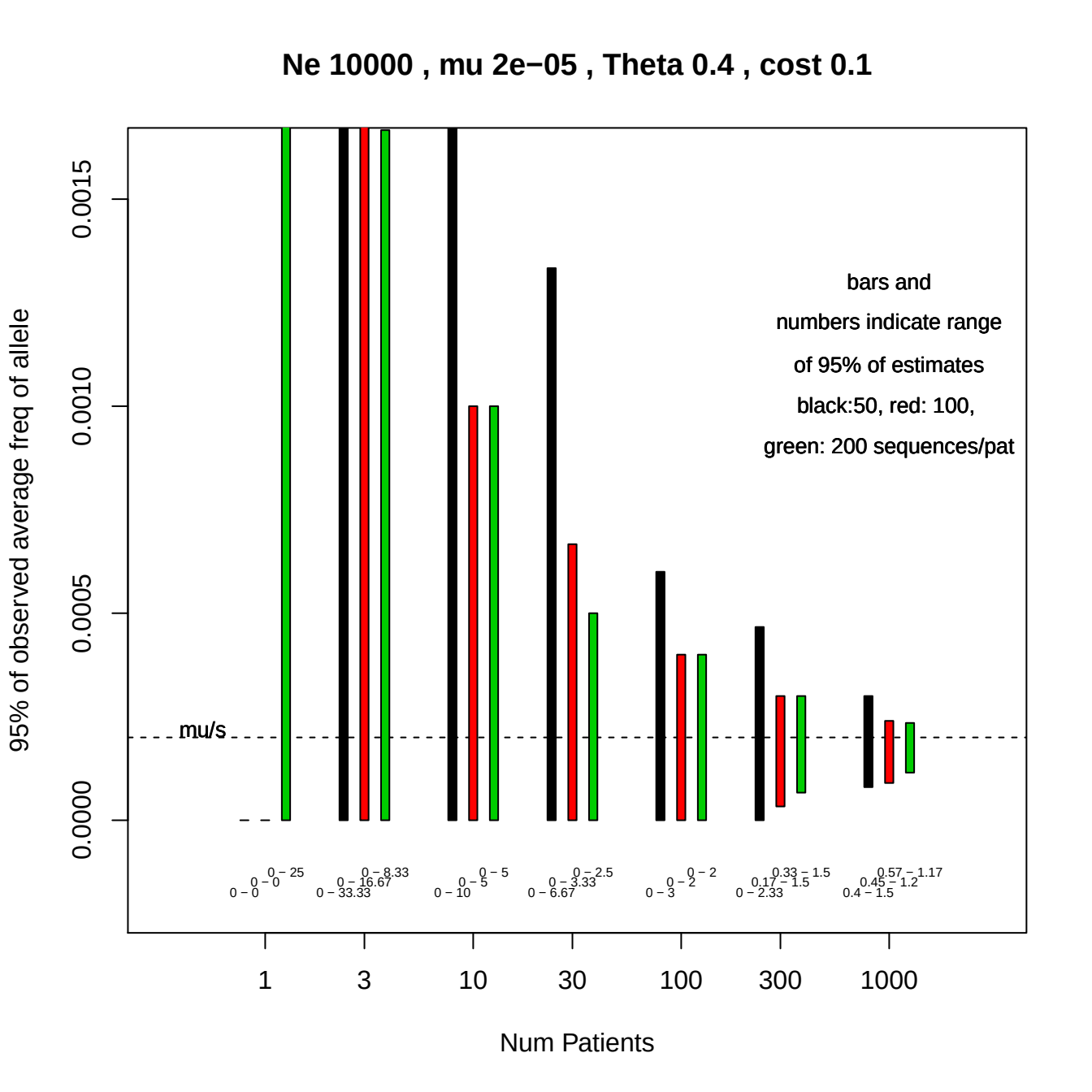

Ne 10000 , mu 2e−06 , Theta 0.04 , cost 0.01
95% of observed average freq of allele
0.0000
0.0005
0.0010
0.0015
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 0
0 – 0
0 – 25
0 – 33.33
0 – 16.67
0 – 16.67
0 – 10
0 – 10
0 – 7.5
0 – 6.67
0 – 5
0 – 4.17
0 – 4
0 – 3
0 – 3
0 – 2.67
0.17 – 2
0.42 – 2.08
0.5 – 1.9
0.5 – 1.45
0.68 – 1.53
1
3
Num Patients

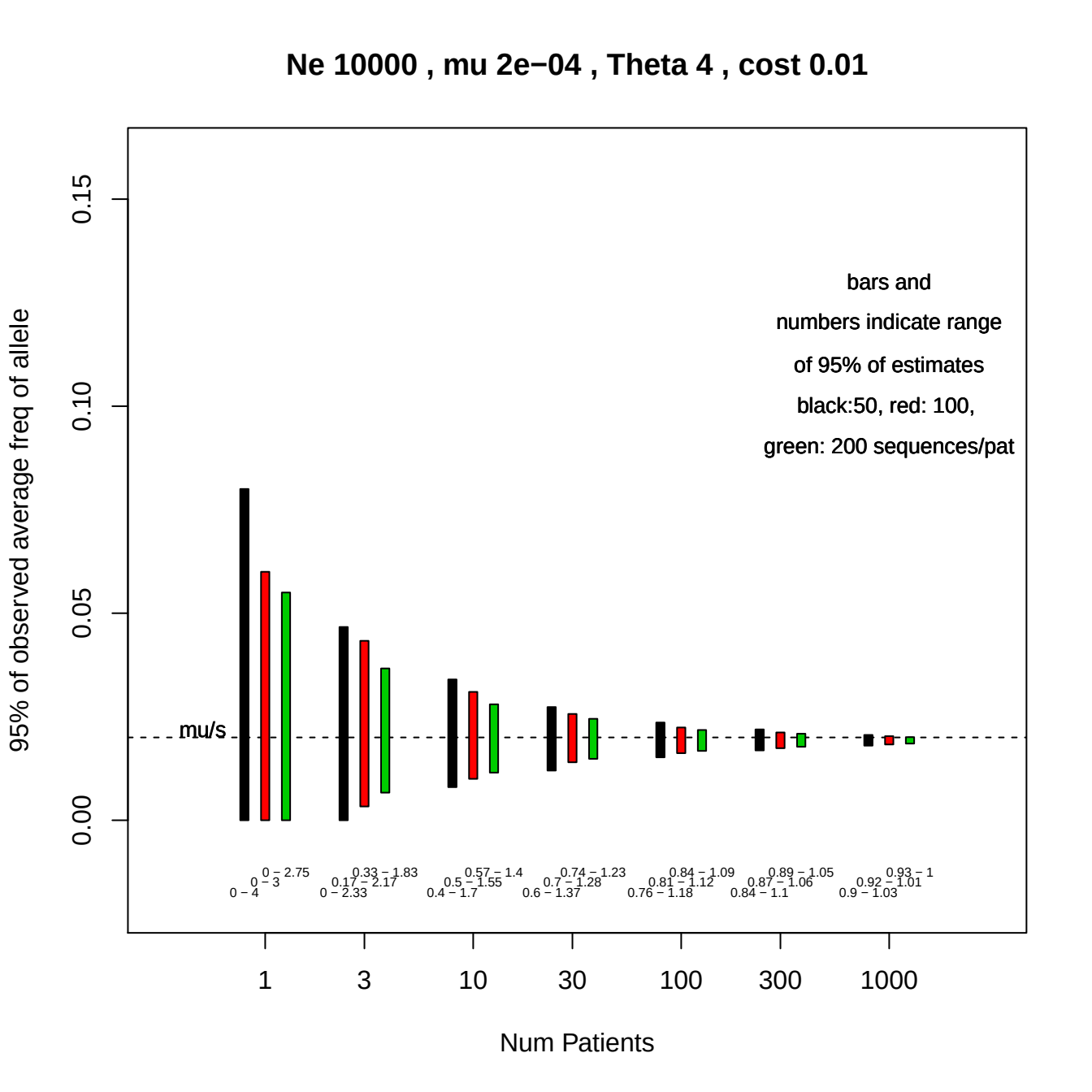

Ne 10000 , mu 2e−06 , Theta 0.04 , cost 0.05
95% of observed average freq of allele
−0.00005
0.00005
0.00015
0.00025
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 0
0 – 0
0 – 0
0 – 0
0 – 0
0 – 0
0 – 0
0 – 12.5
0 – 25
0 – 0
0 – 8.33
0 – 8.33
0 – 16.67
0 – 5
0 – 5
0 – 10
0 – 2.92
0 – 3.33
0 – 3.33
0.38 – 1.88
0 – 2
0 – 2.5
1
3
10
30
100
300
1000
Num Patients

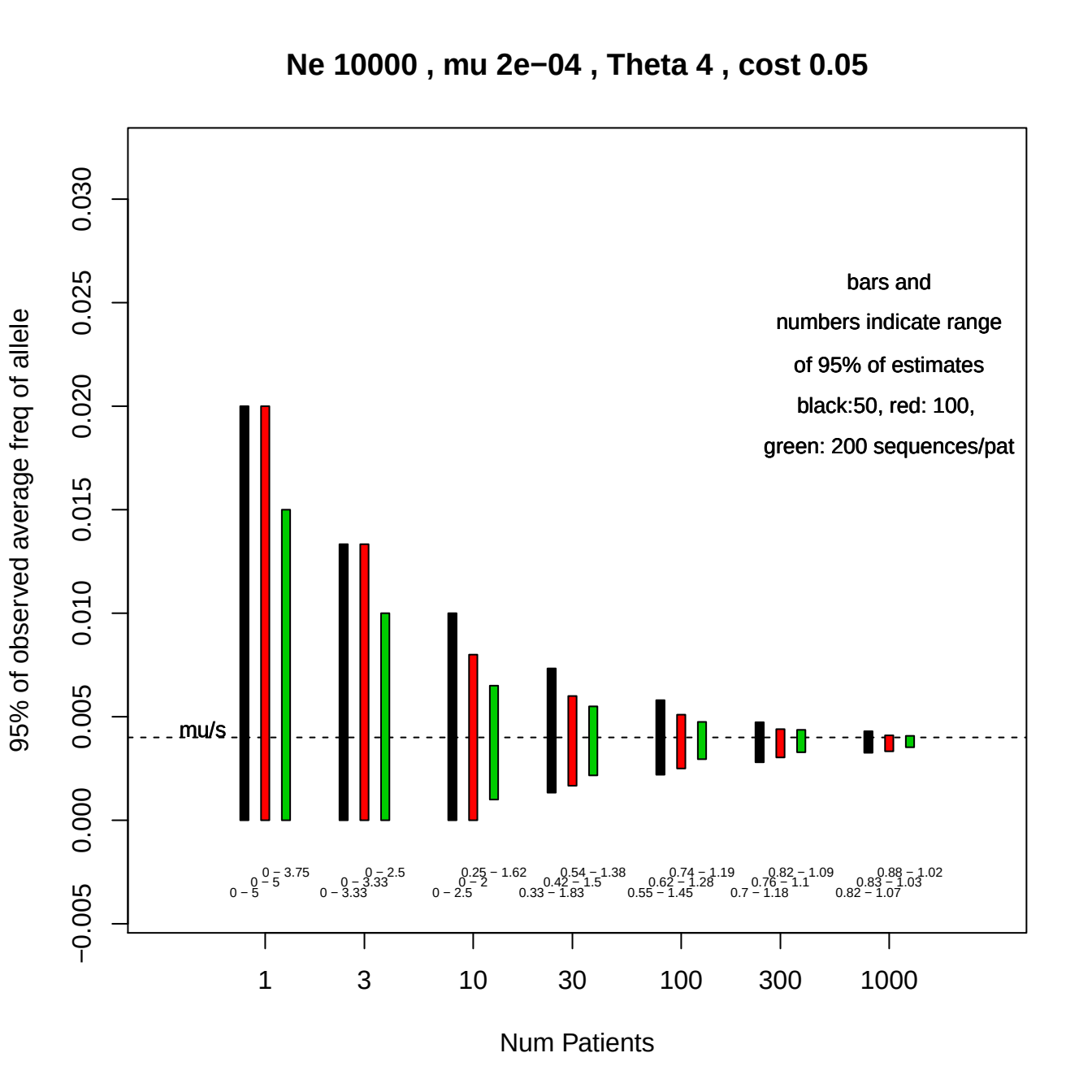

Ne 10000 , mu 2e−06 , Theta 0.04 , cost 0.1
95% of observed average freq of allele
0.00000
0.00005
0.00010
0.00015
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 0
0 – 0
0 – 0
0 – 0
0 – 0
0 – 0
0 – 25
0 – 0
0 – 8.33
0 – 16.67
0 – 33.33
0 – 5
0 – 5
0 – 10
0 – 3.33
0 – 5
0 – 6.67
0.25 – 2.25
0 – 3
0 – 4
1
3
10
30
100
300
1000
Num Patients

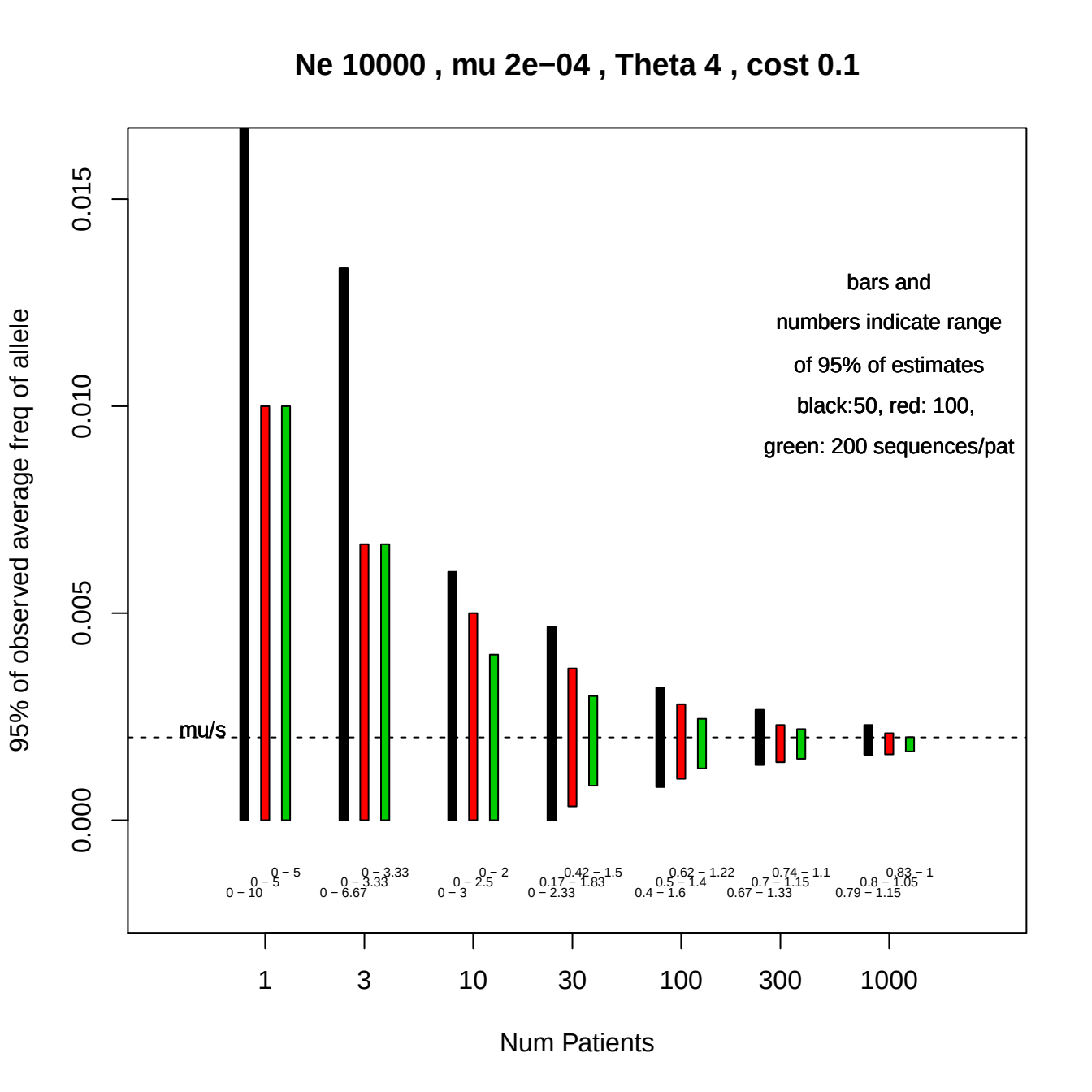

Ne 10000 , mu 2e−05 , Theta 0.4 , cost 0.01
95% of observed average freq of allele
0.000
0.005
0.010
0.015
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 7.5
0 – 10
0 – 10
0 – 4.17
0 – 5
0 – 6.67
0 – 2.75
0 – 3
0 – 4
0.33 – 1.83
0.17 – 2.17
0 – 2.33
0.57 – 1.45
0.5 – 1.6
0.4 – 1.7
0.77 – 1.26
0.68 – 1.27
0.63 – 1.43
0.86 – 1.13
0.82 – 1.15
0.78 – 1.21
1
3
10
30
100
300
1000
Num Patients


Ne 10000 , mu 2e−05 , Theta 0.4 , cost 0.05
95% of observed average freq of allele
−0.0005
0.0005
0.0010
0.0015
0.0020
0.0025
0.0030
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 0
0 – 25
0 – 12.5
0 – 16.67
0 – 8.33
0 – 8.33
0 – 10
0 – 5
0 – 3.75
0 – 3.33
0 – 3.33
0 – 2.92
0 – 2.5
0.25 – 2.25
0.38 – 1.88
0.33 – 2
0.42 – 1.58
0.58 – 1.5
0.6 – 1.45
0.72 – 1.3
0.79 – 1.22
1
3
10
30
100
300
1000
Num Patients


Ne 10000 , mu 2e−05 , Theta 0.4 , cost 0.1
95% of observed average freq of allele
0.0000
0.0005
0.0010
0.0015
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 25
0 – 0
0 – 0
0 – 8.33
0 – 16.67
0 – 33.33
0 – 5
0 – 5
0 – 10
0 – 2.5
0 – 3.33
0 – 6.67
0 – 2
0 – 2
0 – 3
0.33 – 1.5
0.17 – 1.5
0 – 2.33
0.57 – 1.17
0.45 – 1.2
0.4 – 1.5
1
3
10
30
100
300
1000
Num Patients


Ne 10000 , mu 2e−04 , Theta 4 , cost 0.01
95% of observed average freq of allele
0.00
0.05
0.10
0.15
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
mu/s
0 – 4
0 – 3
0 – 2.75
0 – 2.33
0.17 – 2.17
0.33 – 1.83
0.4 – 1.7
0.5 – 1.55
0.57 – 1.4
0.6 – 1.37
0.7 – 1.28
0.74 – 1.23
0.76 – 1.18
0.81 – 1.12
0.84 – 1.09
0.84 – 1.1
0.87 – 1.06
0.89 – 1.05
0.9 – 1.03
0.92 – 1.01
0.93 – 1
1
3
10
30
100
300
1000
Num Patients


Ne 10000 , mu 2e−04 , Theta 4 , cost 0.05
95% of observed average freq of allele
0.030
0.025
0.020
0.015
0.010
0.005
0.000
−0.005
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
mu/s
0 – 3.75
0 – 5
0 – 5
0 – 2.5
0 – 3.33
0 – 3.33
0.25 – 1.62
0 – 2
0 – 2.5
0.54 – 1.38
0.42 – 1.5
0.33 – 1.83
0.74 – 1.19
0.62 – 1.28
0.55 – 1.45
0.82 – 1.09
0.76 – 1.1
0.7 – 1.18
0.88 – 1.02
0.83 – 1.03
0.82 – 1.07
1
3
10
30
100
300
1000
Num Patients


Ne 10000 , mu 2e−04 , Theta 4 , cost 0.1
95% of observed average freq of allele
0.000
0.005
0.010
0.015
mu/s
bars and
numbers indicate range
of 95% of estimates
black:50, red: 100,
green: 200 sequences/pat
0 – 10
0 – 5
0 – 5
0 – 6.67
0 – 3.33
0 – 3.33
0 – 3
0 – 2.5
0 – 2
0 – 2.33
0.17 – 1.83
0.42 – 1.5
0.4 – 1.6
0.5 – 1.4
0.62 – 1.22
0.67 – 1.33
0.7 – 1.15
0.74 – 1.1
0.79 – 1.15
0.8 – 1.05
0.83 – 1
1
3
10
30
100
300
1000
Num Patients