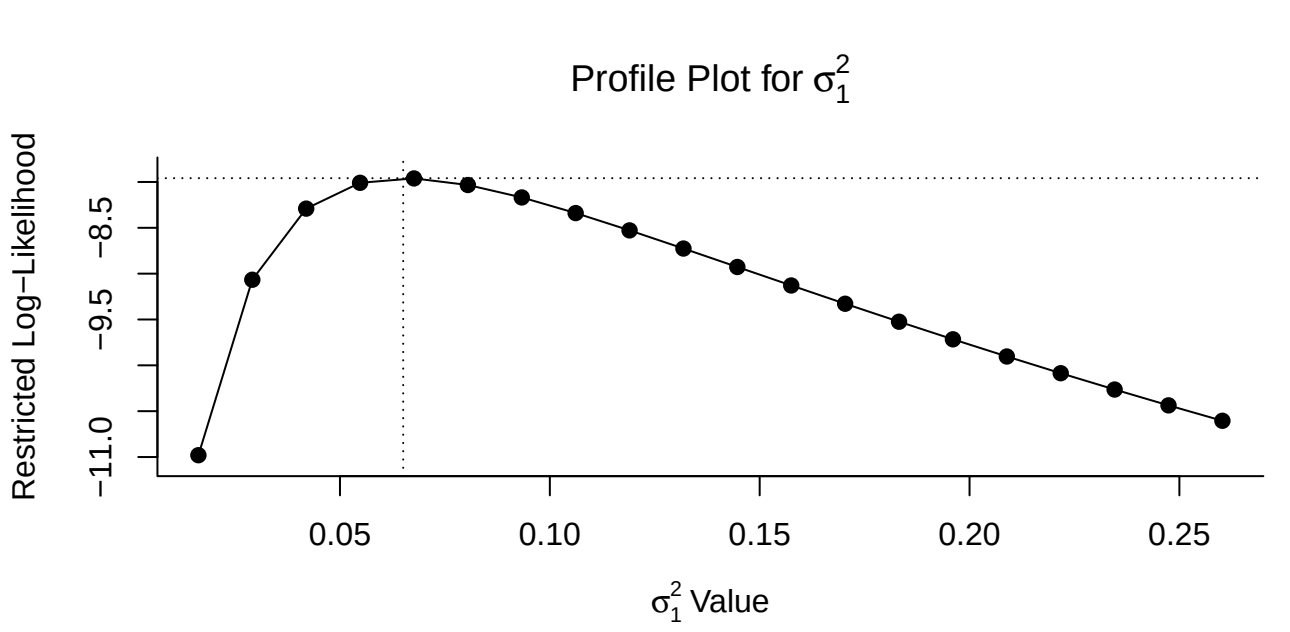
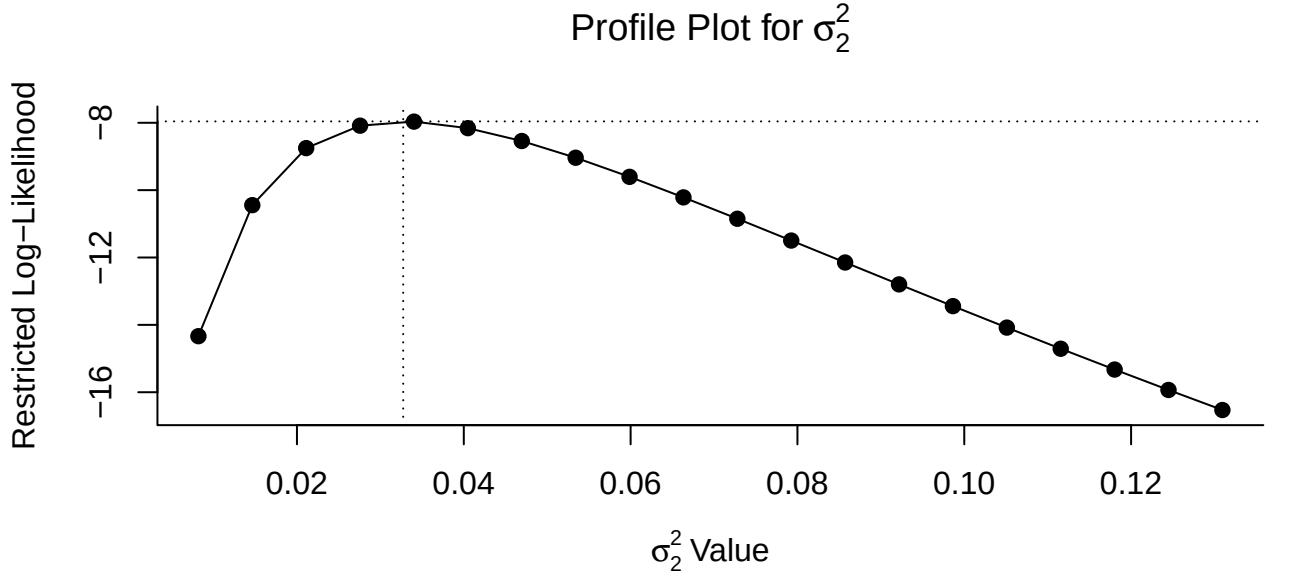
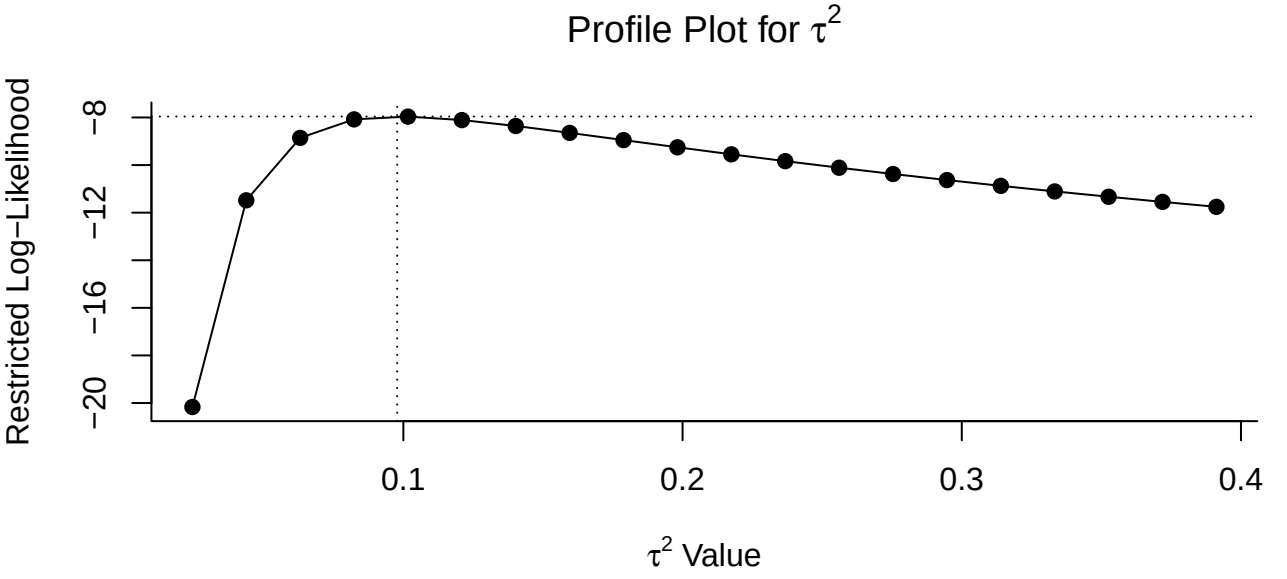
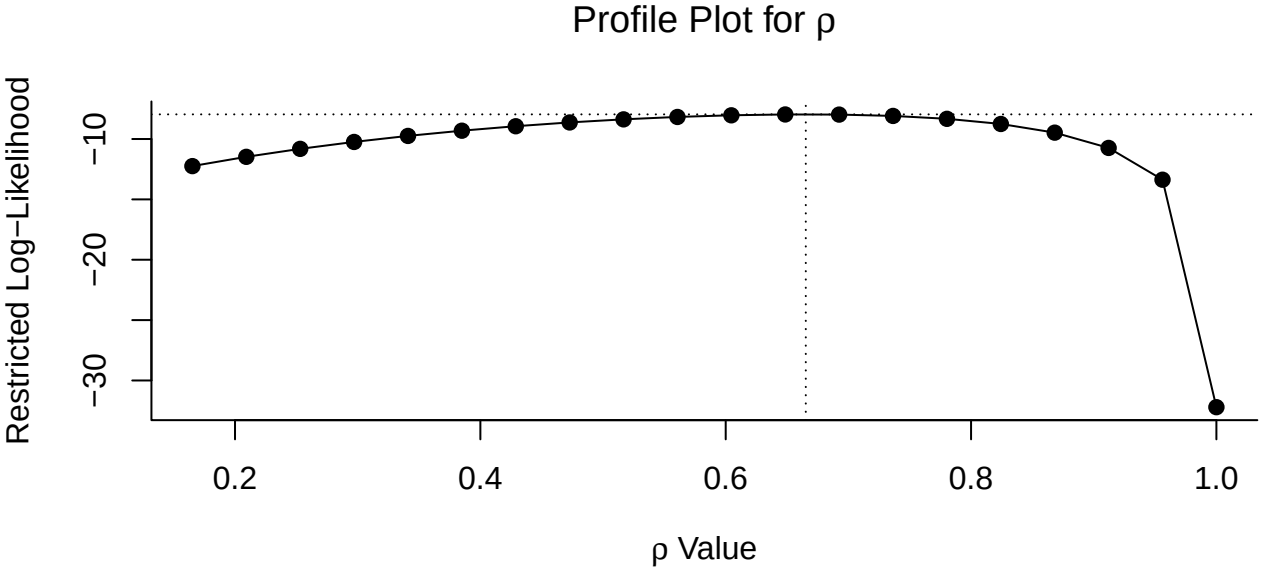
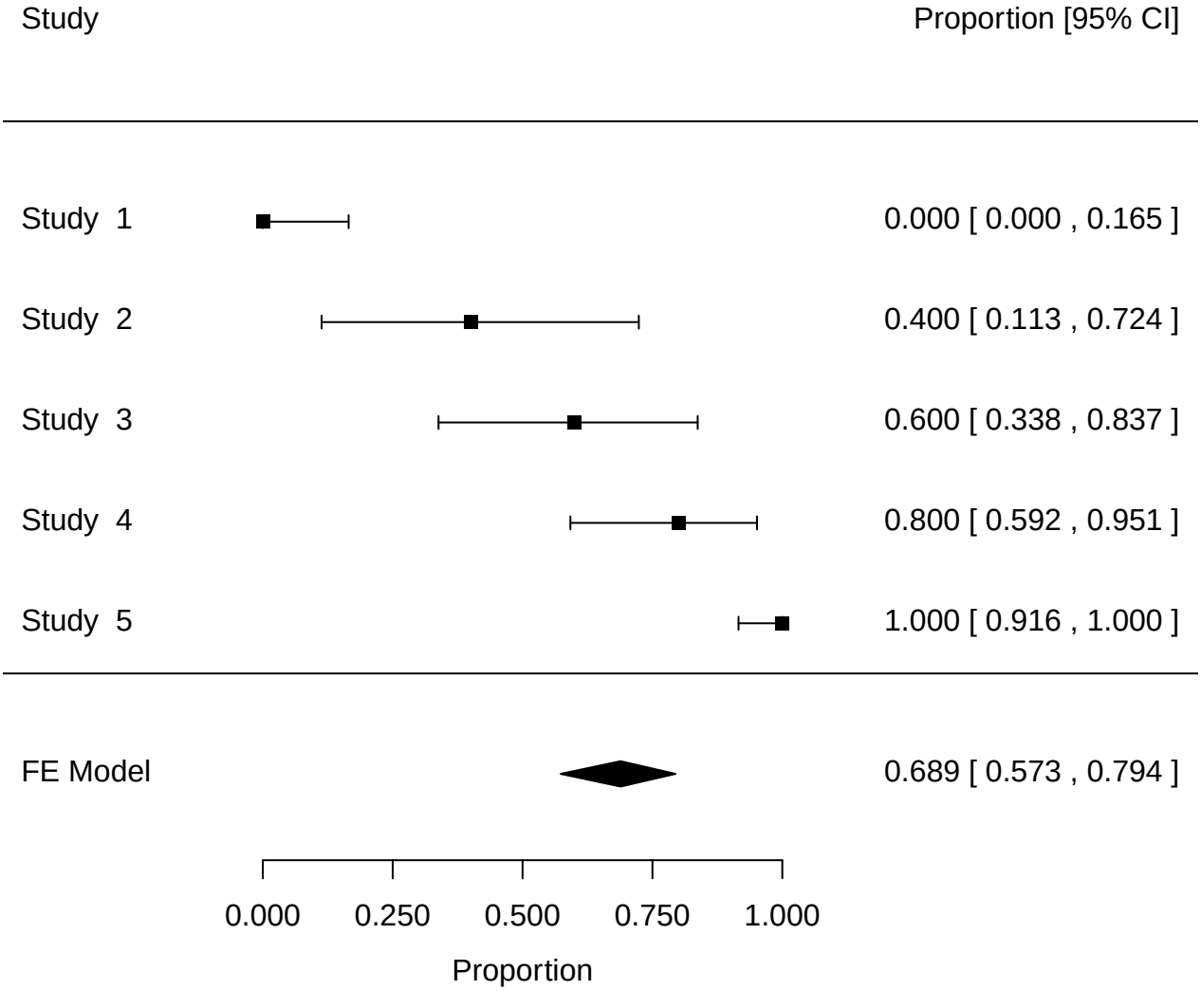
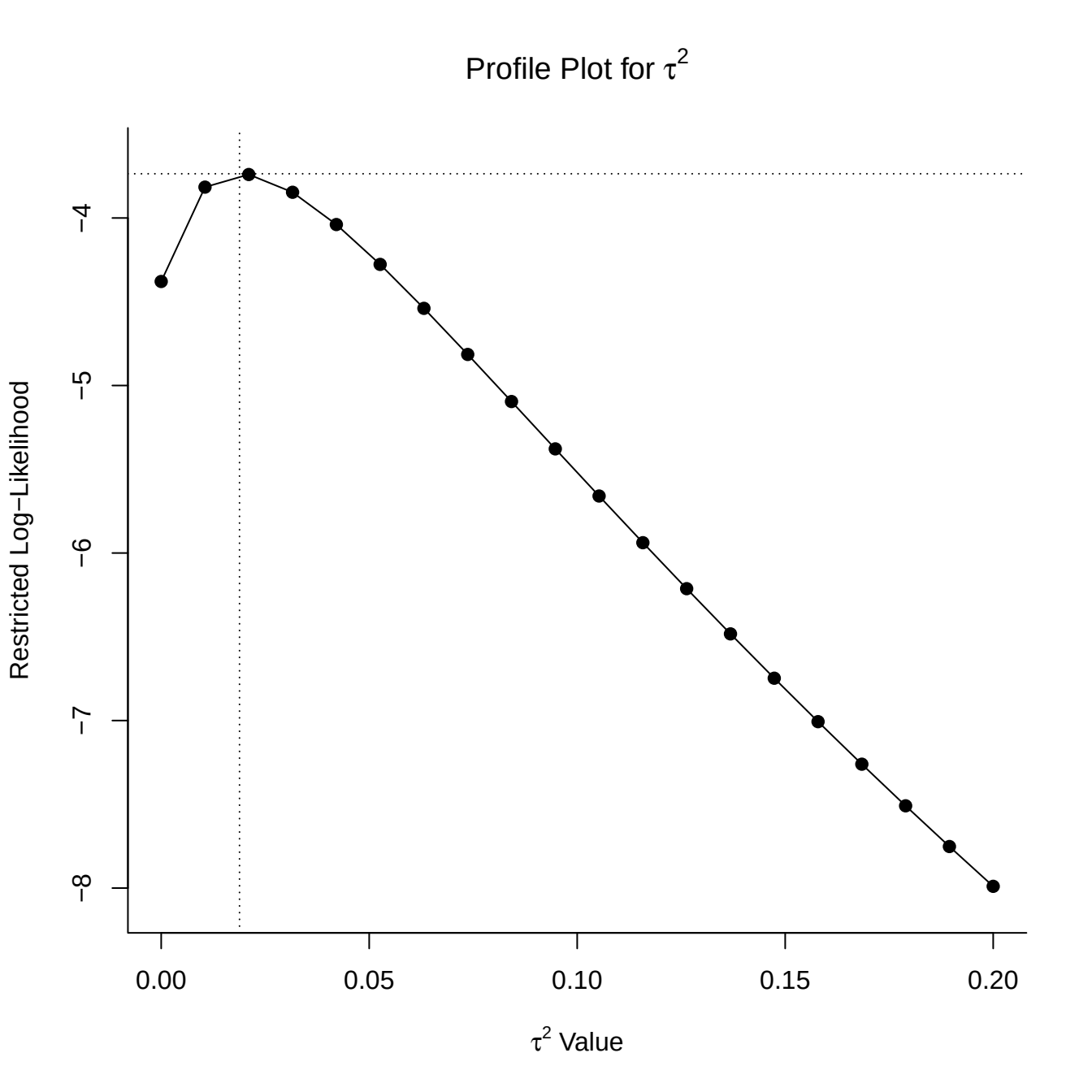

Profile Plot for σ_1^2
Restricted Log−Likelihood
−11.0
−9.5
−8.5
0.05
0.10
0.15
0.20
0.25
σ_1^2 Value

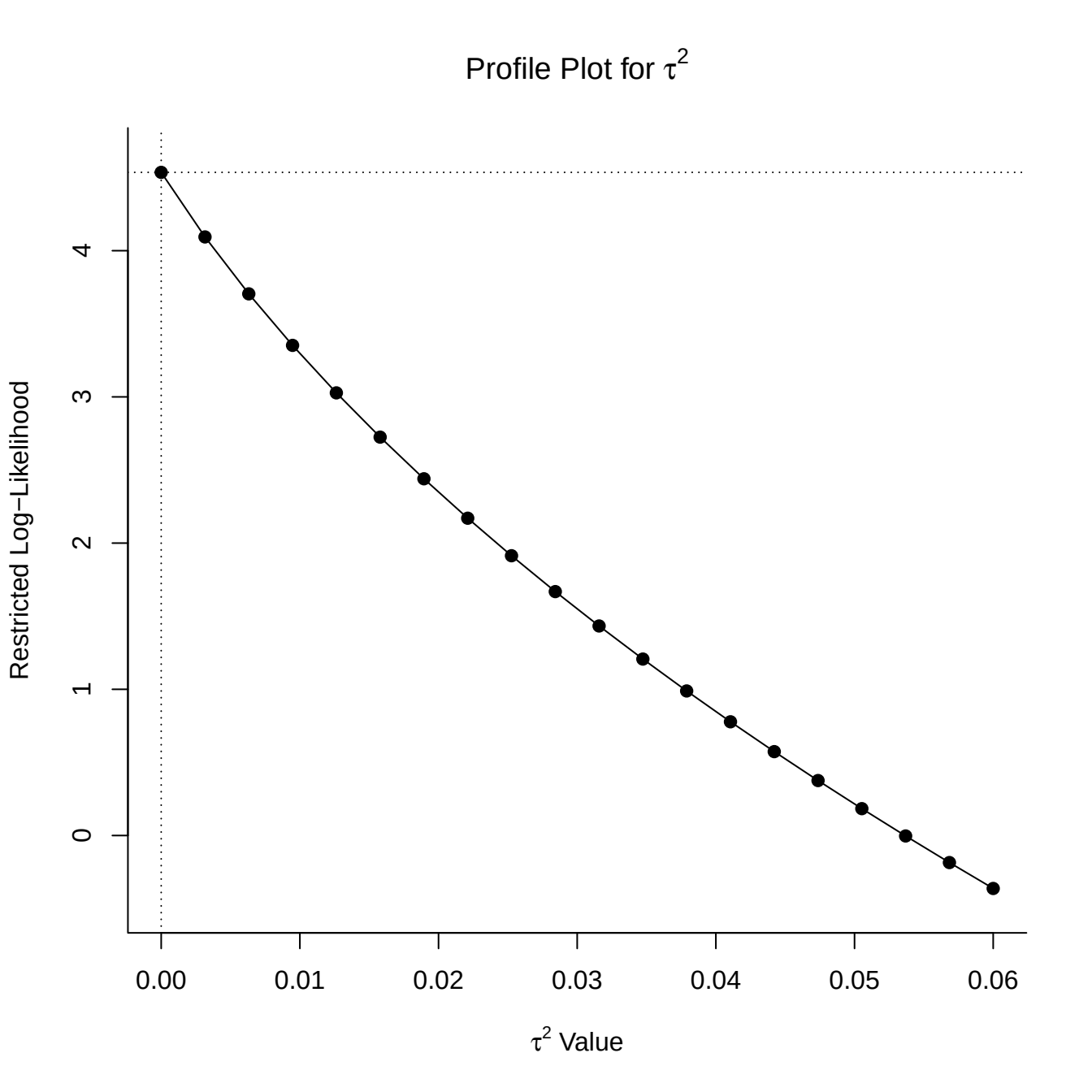

Profile Plot for σ_2^2
Restricted Log−Likelihood
−16
−12
−8
0.02
0.04
0.06
0.08
0.10
0.12
σ_2^2 Value

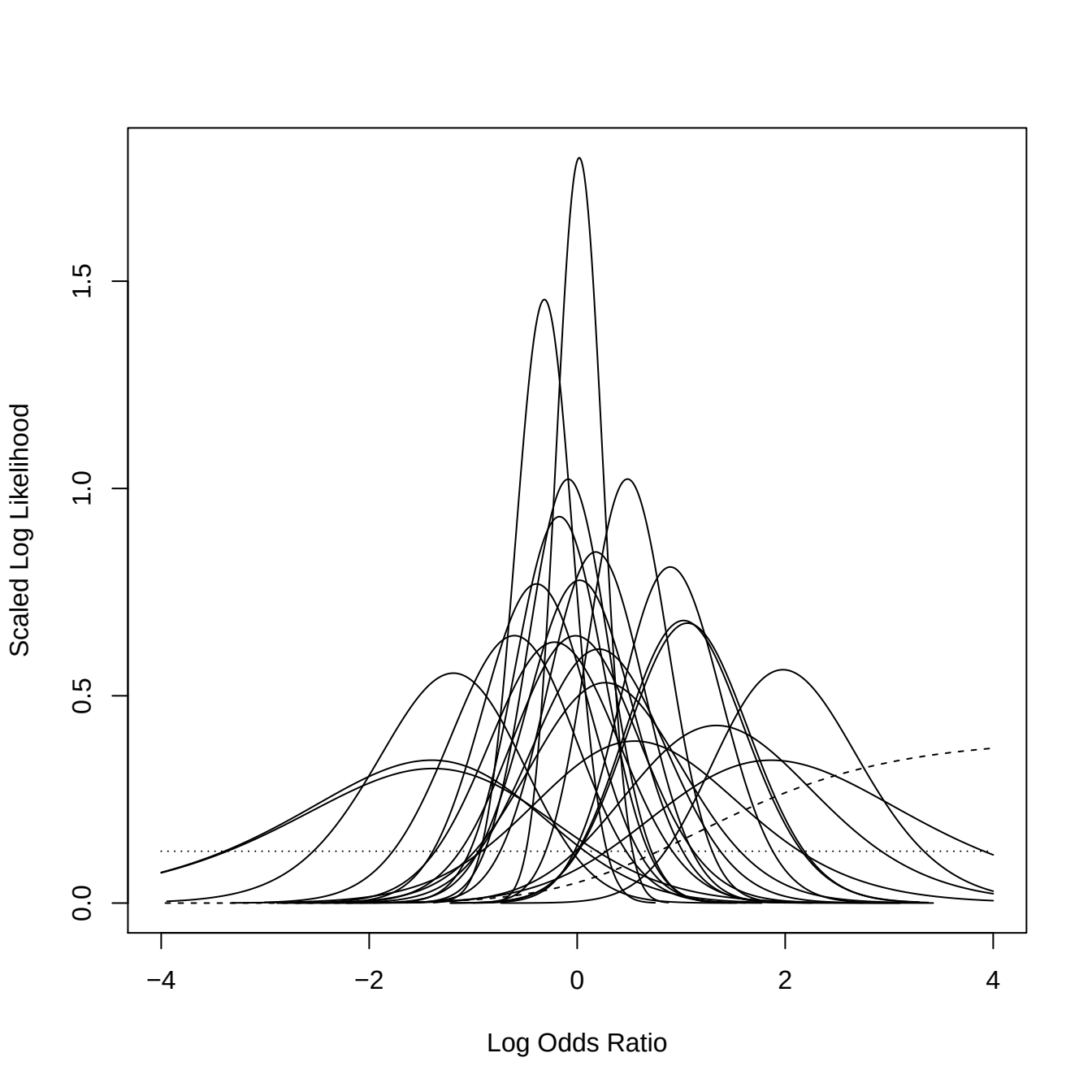

Profile Plot for τ^2
Restricted Log−Likelihood
−8
−12
−16
−20
0.1
0.2
0.3
0.4
τ^2 Value

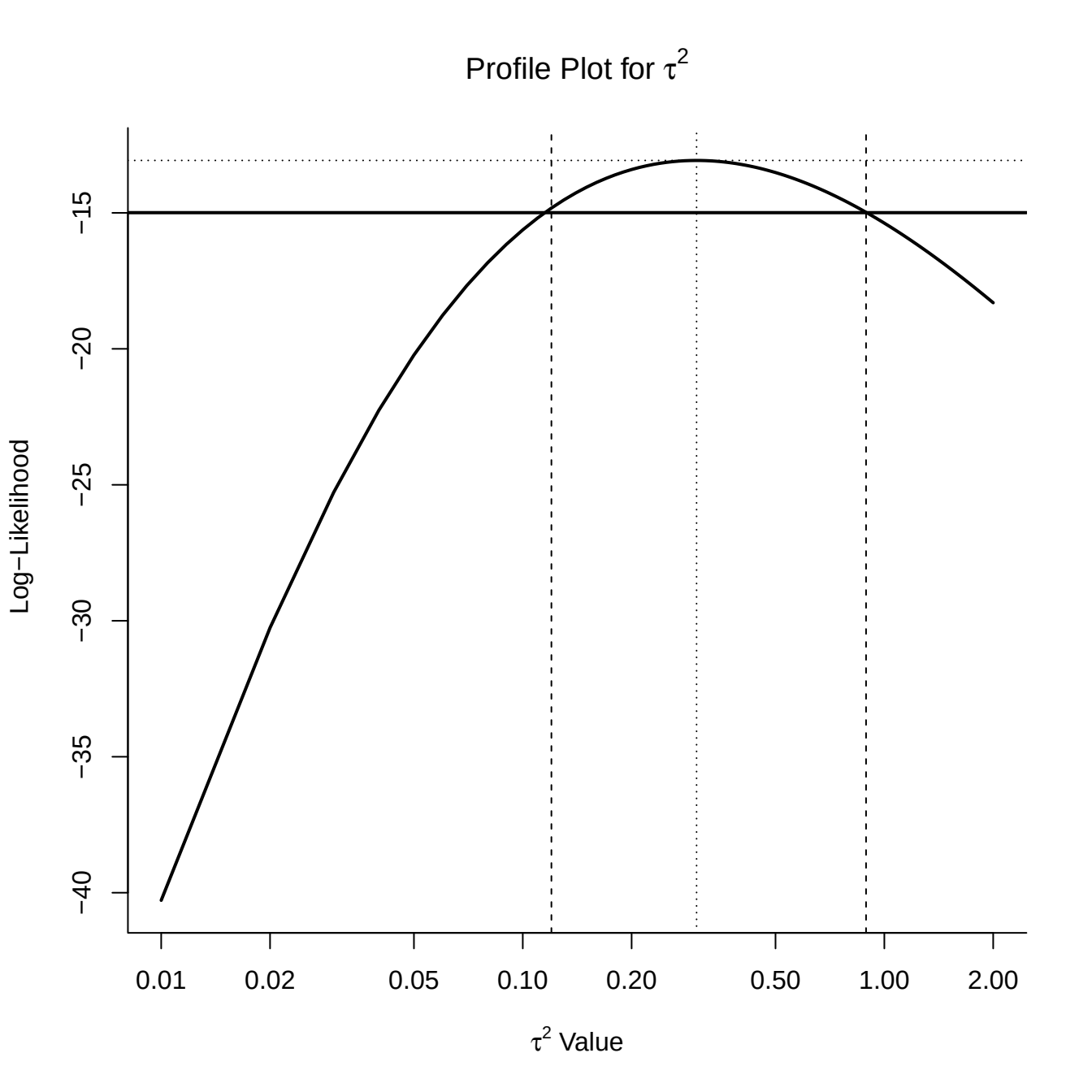

Profile Plot for ρ
Restricted Log−Likelihood
−10
−20
−30
0.2
0.4
0.6
0.8
1.0
ρ Value

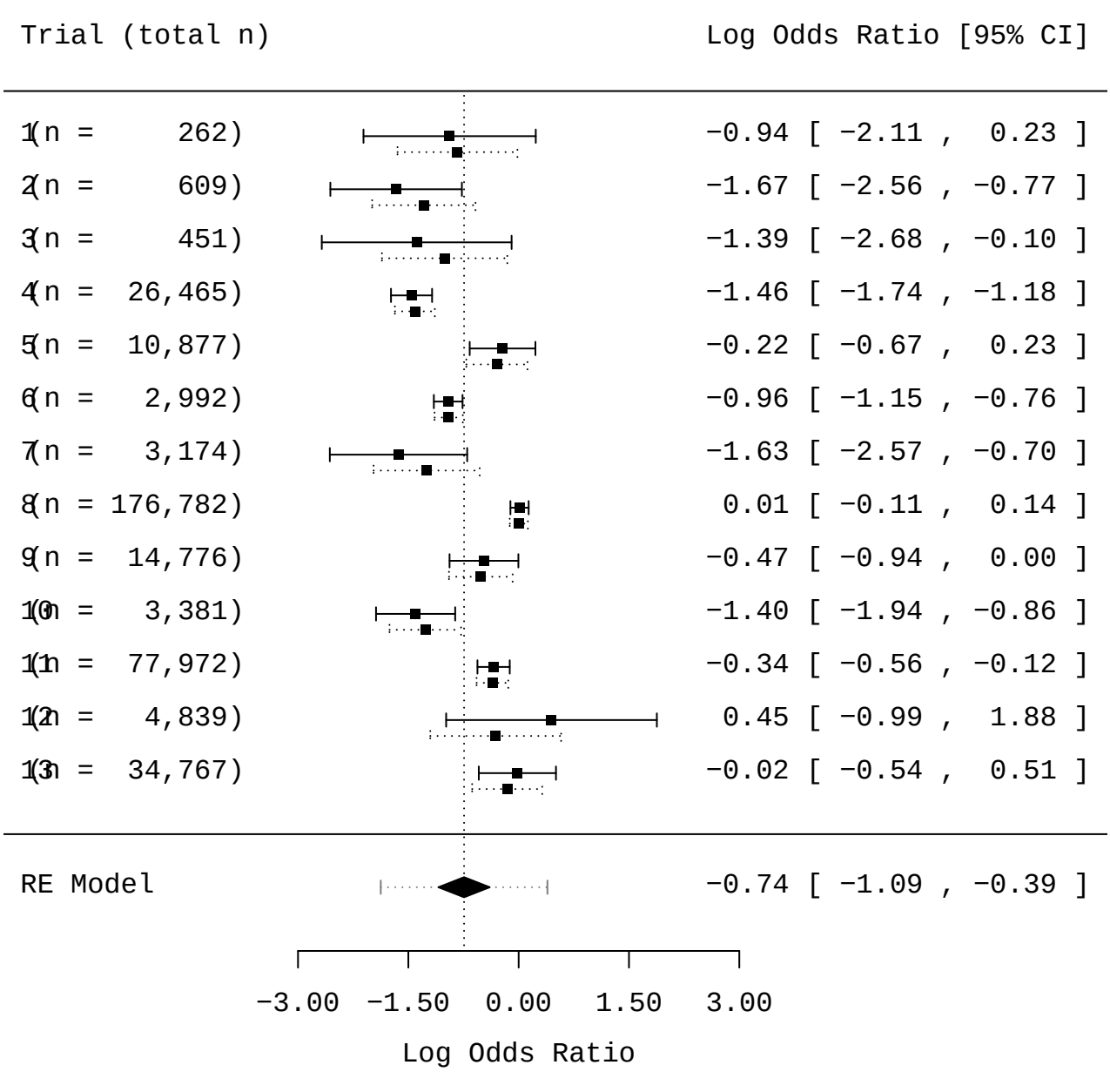

Study
Proportion [95% CI]
Study 1
0.000 [0.000 , 0.165]
Study 2
0.400 [0.113 , 0.724]
Study 3
0.600 [0.338 , 0.837]
Study 4
0.800 [0.592 , 0.951]
Study 5
1.000 [0.916 , 1.000]
FE Model
0.689 [0.573 , 0.794]
0.000
0.250
0.500
0.750
1.000
Proportion

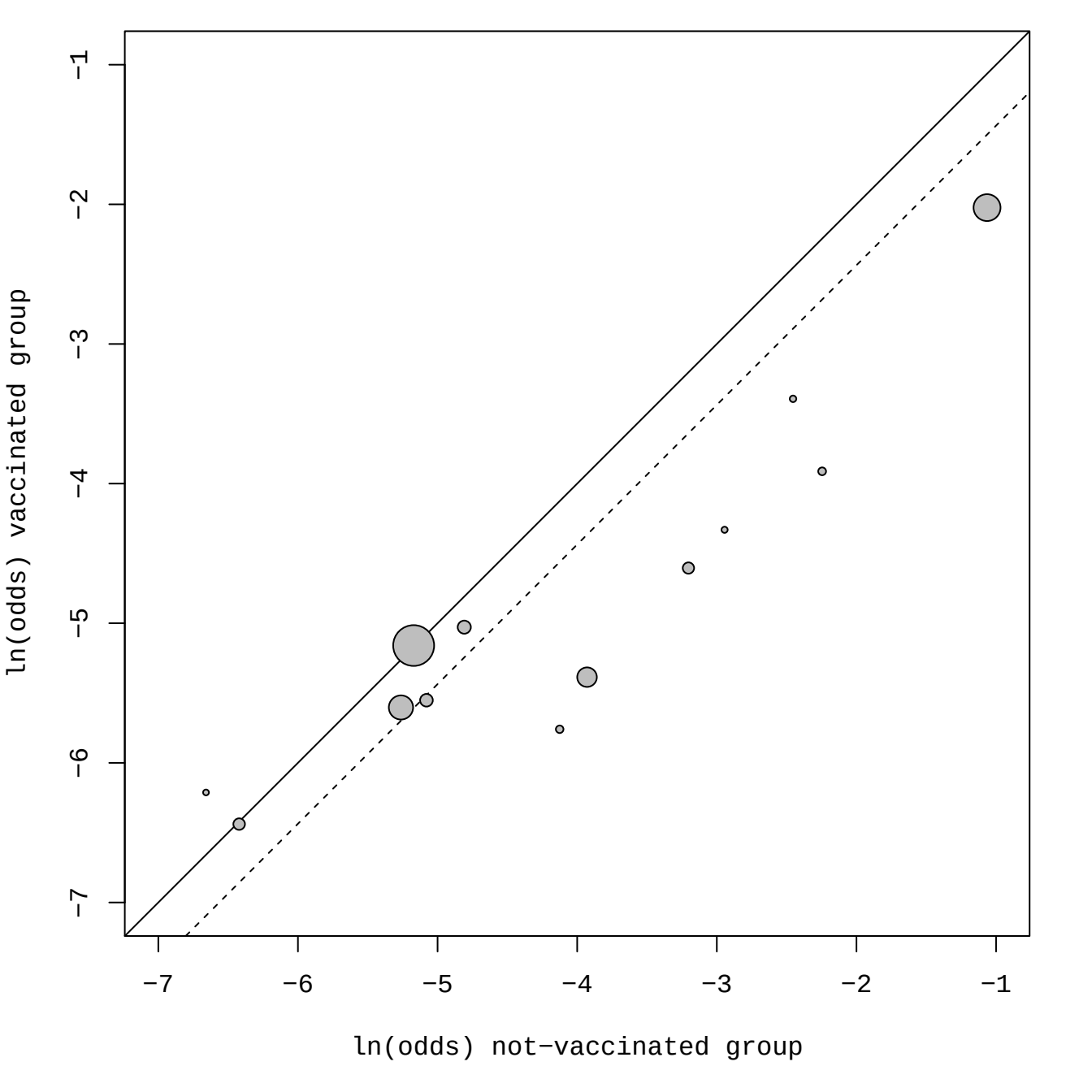

Profile Plot for τ^2
Restricted Log−Likelihood
−4
−5
−6
−7
−8
0.00
0.05
0.10
0.15
0.20
τ^2 Value


Profile Plot for τ^2
Restricted Log−Likelihood
0
1
2
3
4
0.00
0.01
0.02
0.03
0.04
0.05
0.06
τ^2 Value


Scaled Log Likelihood
0.0
0.5
1.0
1.5
−4
−2
0
2
4
Log Odds Ratio


Profile Plot for τ^2
Log−Likelihood
−15
−20
−25
−30
−35
−40
0.01
0.02
0.05
0.10
0.20
0.50
1.00
2.00
τ^2 Value


Trial (total n)
Log Odds Ratio [95% CI]
1 (n = 262) −0.94 [−2.11 , 0.23]
2 (n = 609) −1.67 [−2.56 , −0.77]
3 (n = 451) −1.39 [−2.68 , −0.10]
4 (n = 26,465) −1.46 [−1.74 , −1.18]
5 (n = 10,877) −0.22 [−0.67 , 0.23]
6 (n = 2,992) −0.96 [−1.15 , −0.76]
7 (n = 3,174) −1.63 [−2.57 , −0.70]
8 (n = 176,782) 0.01 [−0.11 , 0.14]
9 (n = 14,776) −0.47 [−0.94 , 0.00]
10 (n = 3,381) −1.40 [−1.94 , −0.86]
11 (n = 77,972) −0.34 [−0.56 , −0.12]
12 (n = 4,839) 0.45 [−0.99 , 1.88]
13 (n = 34,767) −0.02 [−0.54 , 0.51]
RE Model −0.74 [−1.09 , −0.39]
−3.00 −1.50 0.00 1.50 3.00
Log Odds Ratio


ln(odds) vaccinated group
ln(odds) not−vaccinated group
−1
−2
−3
−4
−5
−6
−7
−7
−6
−5
−4
−3
−2
−1