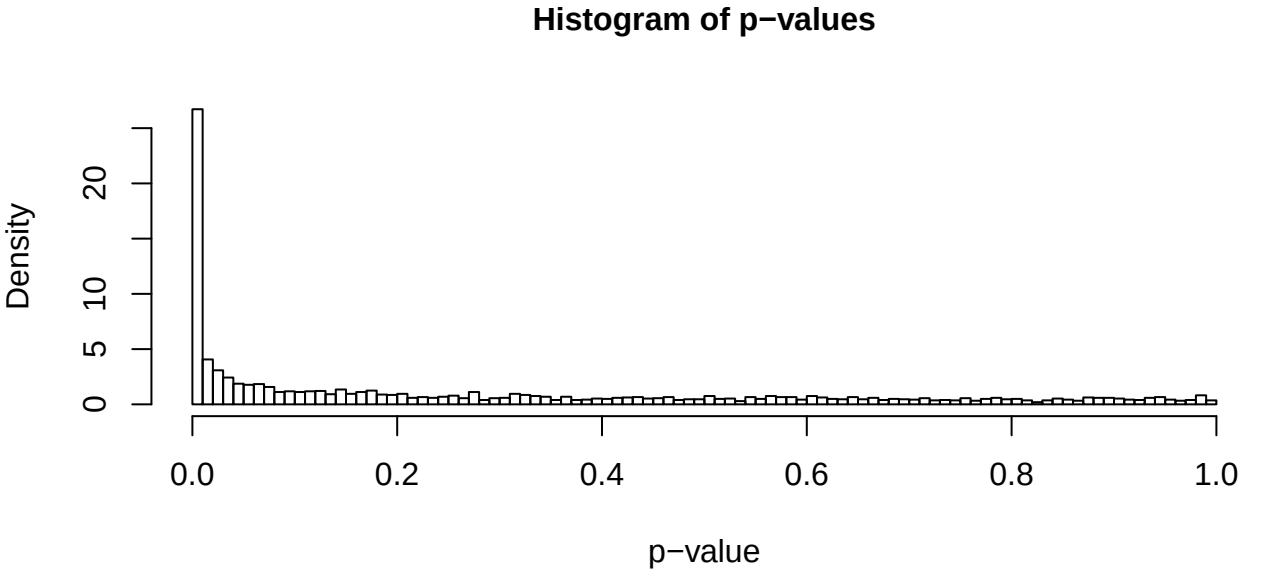
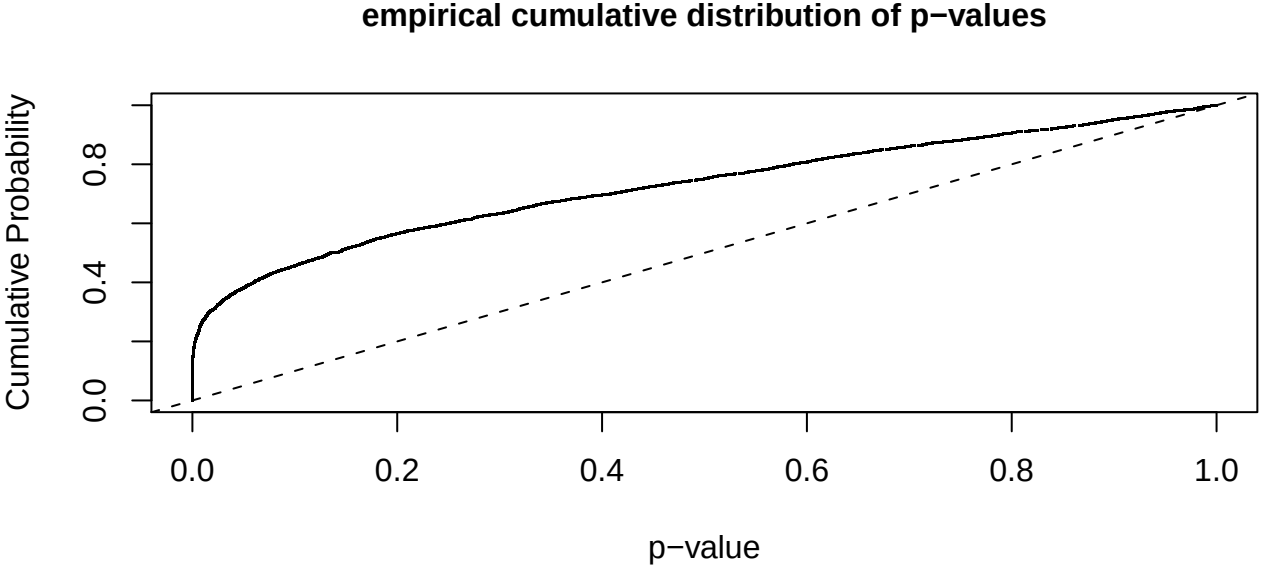
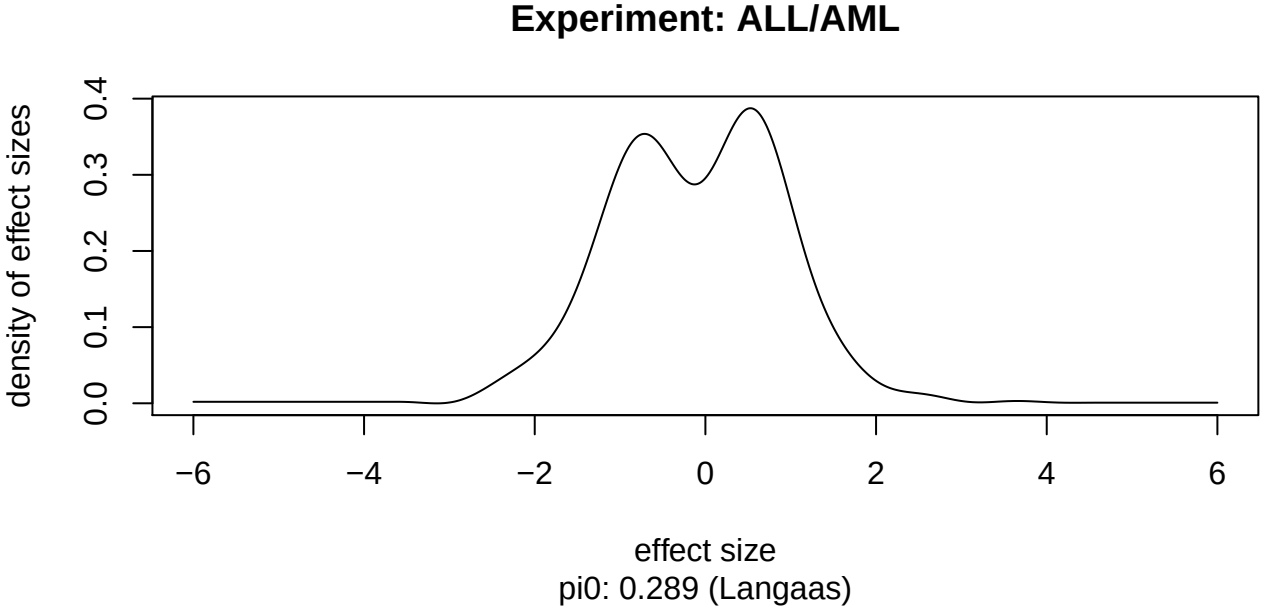
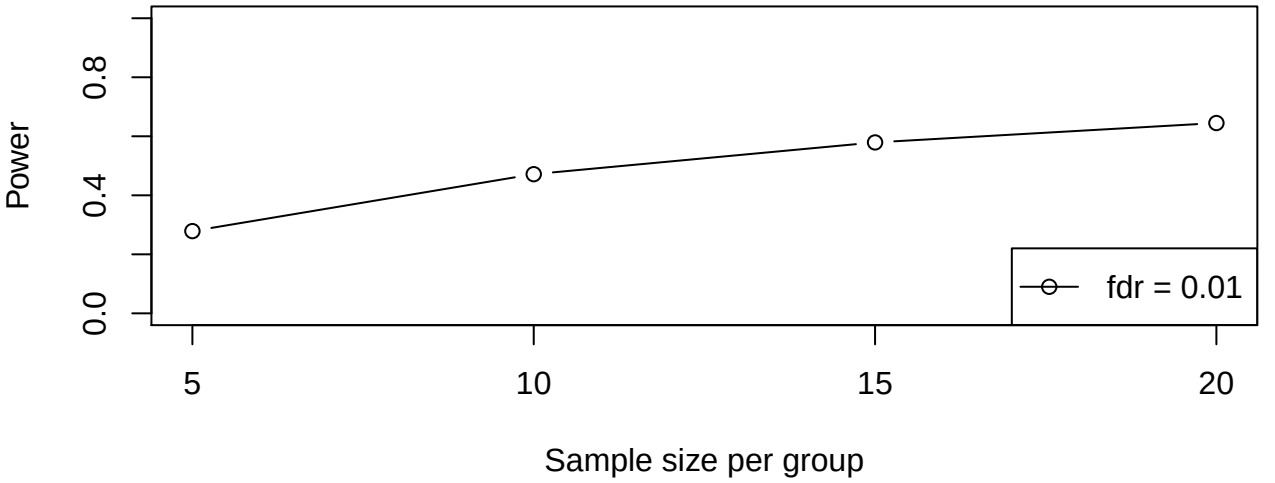
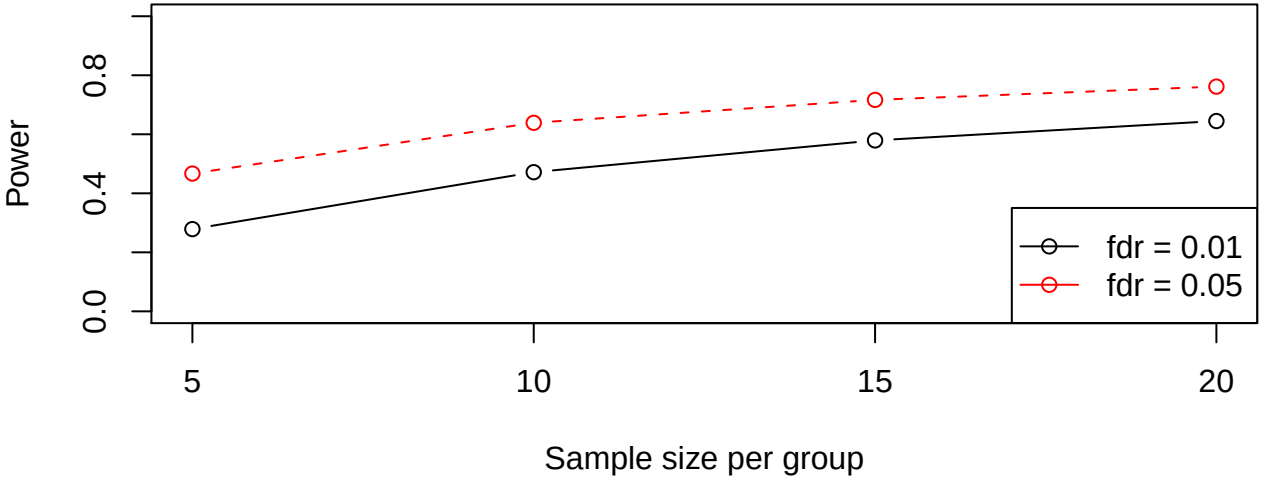
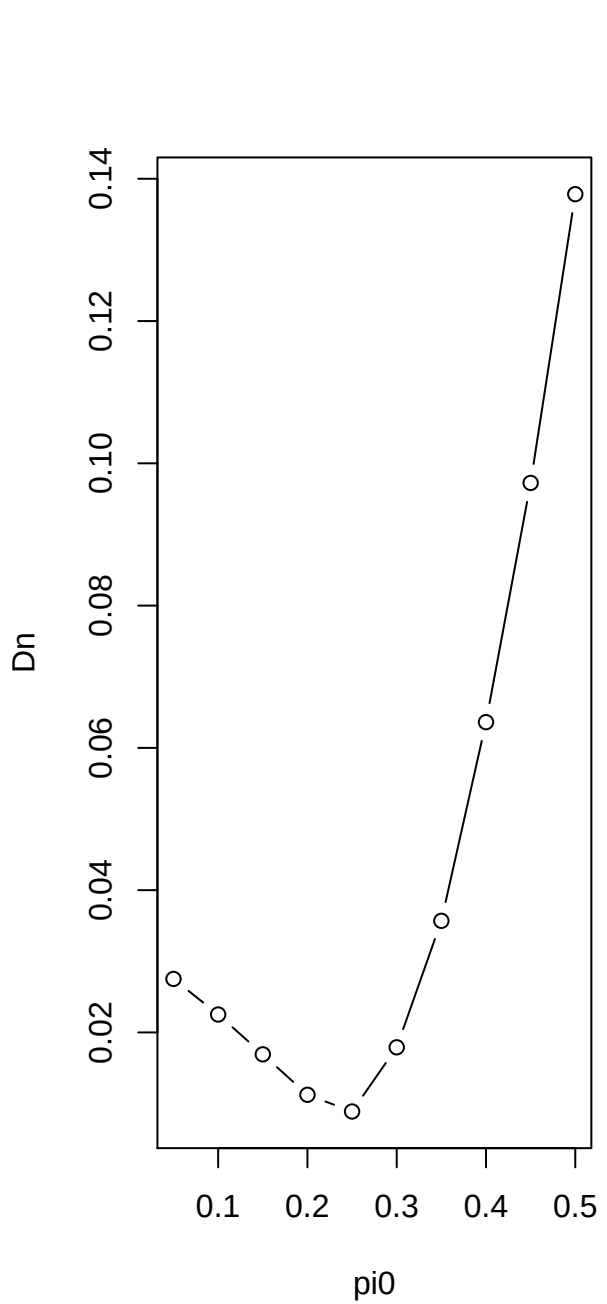

Histogram of p−values
Density
0
5
10
20
0.0
0.2
0.4
0.6
0.8
1.0
p−value

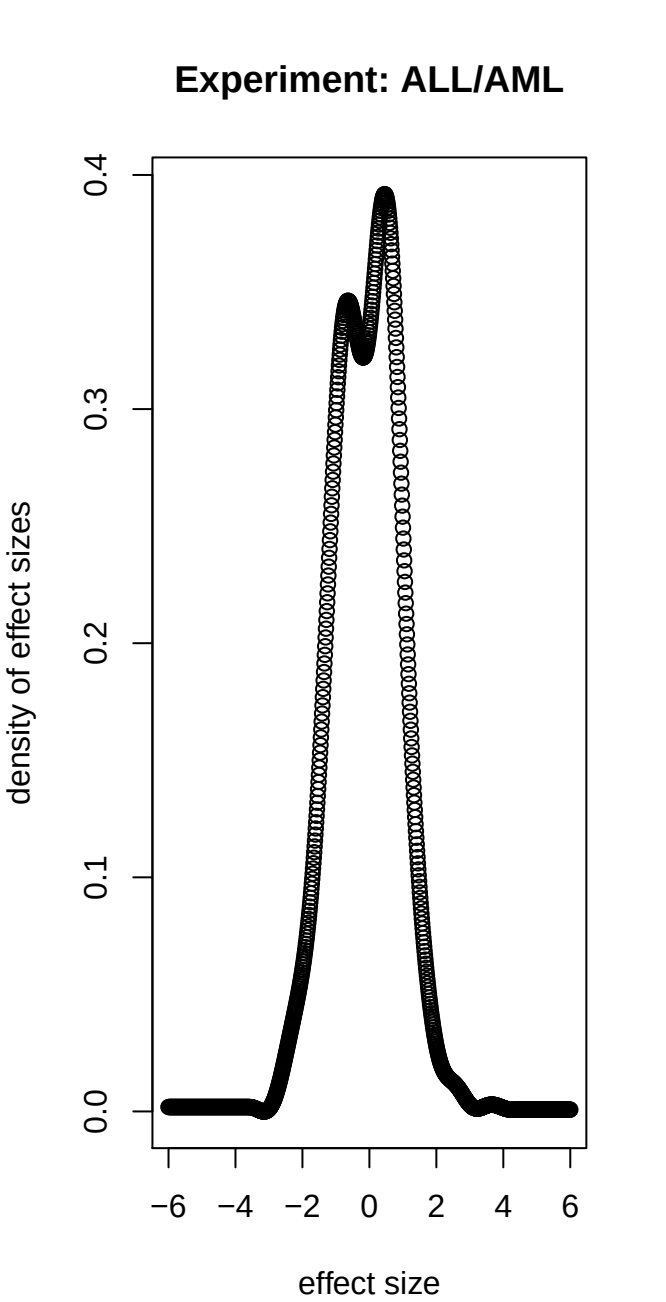

empirical cumulative distribution of p−values
Cumulative Probability
0.0
0.4
0.8
0.0
0.2
0.4
0.6
0.8
1.0
p−value


Experiment: ALL/AML
density of effect sizes
0.0
0.1
0.2
0.3
0.4
−6
−4
−2
0
2
4
6
effect size
pi0: 0.289 (Langaas)


Power
0.0
0.4
0.8
5
10
15
20
Sample size per group
fdr = 0.01


Power
0.0
0.4
0.8
5
10
15
20
Sample size per group
fdr = 0.01
fdr = 0.05


Dn
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.1
0.2
0.3
0.4
0.5
pi0


Experiment: ALL/AML
density of effect sizes
0.0
0.1
0.2
0.3
0.4
−6
−4
−2
0
2
4
6
effect size
pi0: 0.25 (Ferreira)