```
> summary(I_res)
#IvWT

out of 19382 with nonzero total read count
adjusted p-value < 0.1
LFC > 0 (up)     : 2130, 11%
LFC < 0 (down)   : 2329, 12%
outliers [1]     : 13, 0.067%
low counts [2]   : 5632, 29%
(mean count < 38)
[1] see 'cooksCutoff' argument of ?results
[2] see 'independentFiltering' argument of ?results

        Exact binomial test
data:  2130 and 4459
number of successes = 2130, number of trials = 4459, p-value = 0.003021
alternative hypothesis: true probability of success is not equal to 0.5
95 percent confidence interval:
 0.4629310 0.4924694
sample estimates:
probability of success
           0.4776856
```

```
> summary(II_res)
#IIvWT

out of 19756 with nonzero total read count
adjusted p-value < 0.1
LFC > 0 (up)     : 2, 0.01%
LFC < 0 (down)   : 2, 0.01%
outliers [1]     : 3, 0.015%
low counts [2]   : 0, 0%
(mean count < 0)
[1] see 'cooksCutoff' argument of ?results
[2] see 'independentFiltering' argument of ?results

        Exact binomial test
data:  2 and 4
number of successes = 2, number of trials = 4, p-value = 1
alternative hypothesis: true probability of success is not equal to 0.5
95 percent confidence interval:
 0.06758599 0.93241401
sample estimates:
probability of success
                 0.5
```

```
> summary(III_res)
#IIvIII

out of 20099 with nonzero total read count
adjusted p-value < 0.1
LFC > 0 (up)     : 159, 0.79%
LFC < 0 (down)   : 184, 0.92%
outliers [1]     : 16, 0.08%
low counts [2]   : 10505, 52%
(mean count < 349)
[1] see 'cooksCutoff' argument of ?results
[2] see 'independentFiltering' argument of ?results

        Exact binomial test
data:  159 and 343
number of successes = 159, number of trials = 343, p-value = 0.1949
alternative hypothesis: true probability of success is not equal to 0.5
95 percent confidence interval:
 0.4098406 0.5179076
sample estimates:
probability of success
          0.4635569
```

```
> summary(IV_res)
#IIIvWT

out of 19687 with nonzero total read count
adjusted p-value < 0.1
LFC > 0 (up)     : 7, 0.036%
LFC < 0 (down)   : 9, 0.046%
outliers [1]     : 3, 0.015%
low counts [2]   : 2291, 12%
(mean count < 2)
[1] see 'cooksCutoff' argument of ?results
[2] see 'independentFiltering' argument of ?results

        Exact binomial test
data:  7 and 16
number of successes = 7, number of trials = 16, p-value = 0.8036
alternative hypothesis: true probability of success is not equal to 0.5
95 percent confidence interval:
 0.1975341 0.7012231
sample estimates:
```

probability of success
0.4375

> summary(V_res)
#IvIII

out of 19860 with nonzero total read count
adjusted p-value < 0.1
LFC > 0 (up) : 3518, 18%
LFC < 0 (down) : 3548, 18%
outliers [1] : 45, 0.23%
low counts [2] : 3832, 19%
(mean count < 7)
[1] see 'cooksCutoff' argument of ?results
[2] see 'independentFiltering' argument of ?results

Exact binomial test
data: 3518 and 7066
number of successes = 3518, number of trials = 7066, p-value = 0.7301
alternative hypothesis: true probability of success is not equal to 0.5
95 percent confidence interval:
0.4861512 0.5096049
sample estimates:
probability of success
0.4978772