

Today is November 20, 2012.

```
> library("vcf2R")

> file = "/home/sgy/jhsph/targeted-sequencing/repo/vcf2R/inst/extdata/snvs.fixed_header.hwe"
> hwe.df <- hwe2R(file = file)
> head(hwe.df)
```

	CHR	POS	OBS (HOM1/HET/HOM2)	E (HOM1/HET/HOM2)	ChiSq
1	1	18772169	4494/1/0	4494.00/1.00/0.00	0.000056
2	1	18772190	4493/2/0	4493.00/2.00/0.00	0.000223
3	1	18772191	4464/30/1	4463.06/31.89/0.06	15.727310
4	1	18772203	4493/2/0	4493.00/2.00/0.00	0.000223
5	1	18772218	4493/2/0	4493.00/2.00/0.00	0.000223
6	1	18772236	4478/17/0	4478.02/16.97/0.02	0.016134

P

1	1.000000
2	1.000000
3	0.053862
4	1.000000
5	1.000000
6	1.000000

```
> with(hwe.df, hist(P, breaks = 100))
```

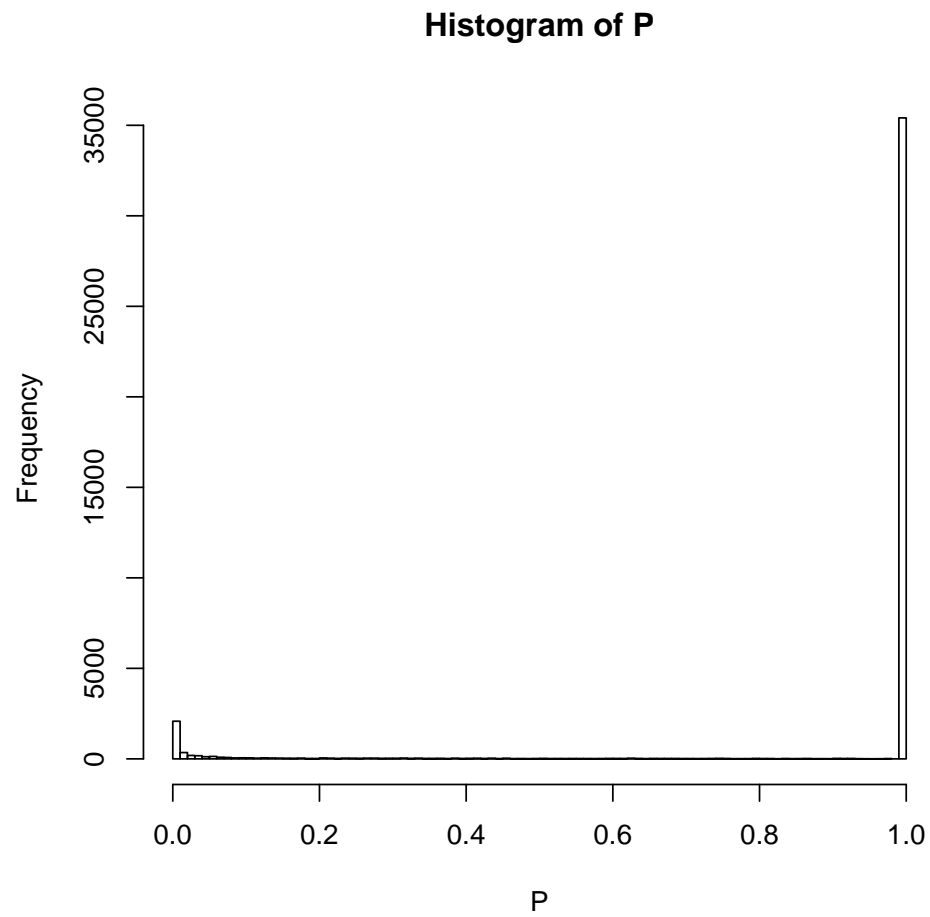


Figure 1: Histogram of Hardy-Weinberg p -values