

# Proportion of observed phosphoregulated proteins in VirHostome

Lin Chung-wen

1/13/2021

## search space

- hORF: HORFeome\_all.tsv
- fBFG: 20180927\_bhORFeome\_AD.xlsx

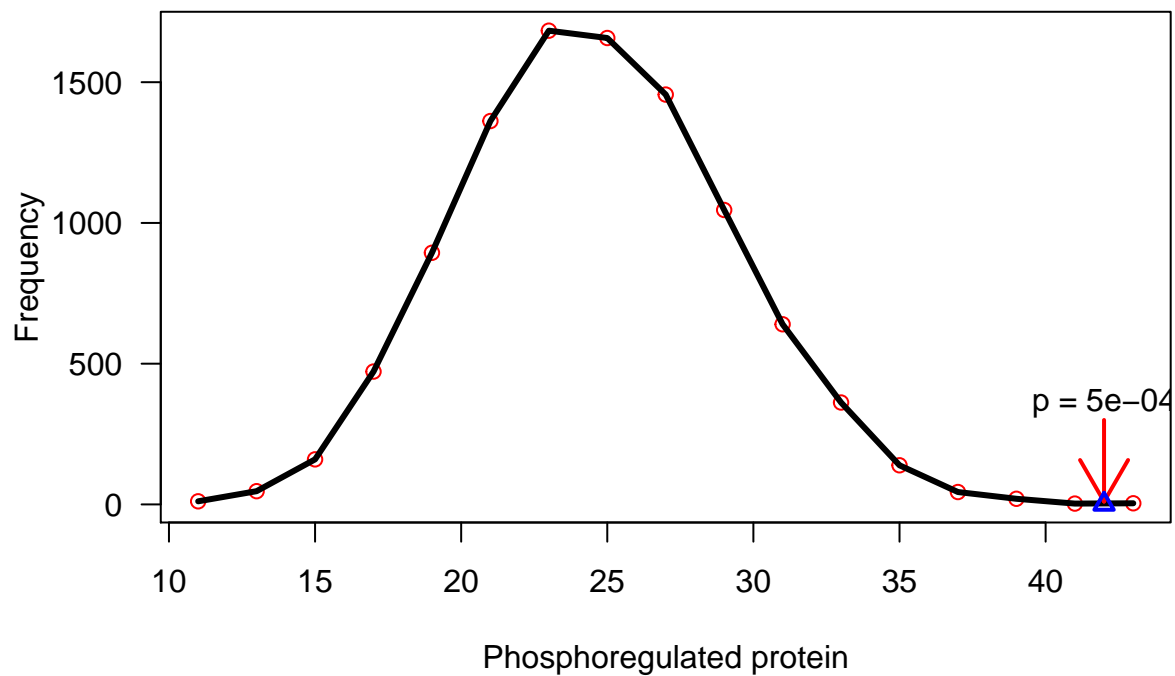
## Two screening completeness comparison

```
## [1] "fBFG-Y2H: 14123"
## [1] "classic Y2H (hORF): 18262"
## [1] "common ORF: 13092"
## [1] "all ORF: 19293"
## [1] "fBFG-Y2H viral ORF: 26"
## [1] "classic viral ORF: 27"
## [1] "fBFG search space: 367198"
## [1] "classic Y2H (hORF) search space: 493074"
## [1] "common search space: 327300"
## [1] "classic search space: 493074"
## [1] "Fraction of total: 58.5%"
```

## observed phosphoregulated human targets

```
## [1] "Observed phosphoregulated proteins within VirHostome: 42"
## Warning in if (obs >= median(result)) {: the condition has length > 1 and only
## the first element will be used
```

Observed phosphoregulated proteins (VirHostome vs 10000 times random selection from combined ORF list).



### Comparison with previously identified viral targets

NOT NECESSARY NOW

```
previous <- read.xlsx("~/Documents/INET-work/virus_network/references/Interaction\ Counts\ Per\ Human\ 1
previous <- unique(previous$unique)

binary_pre <- table(binary_human %in% previous)[2]
#
# random_pre <- mcreplicate(10000, table(sample(tot_space, length(binary_human)) %in% previous)[2], mc.
```