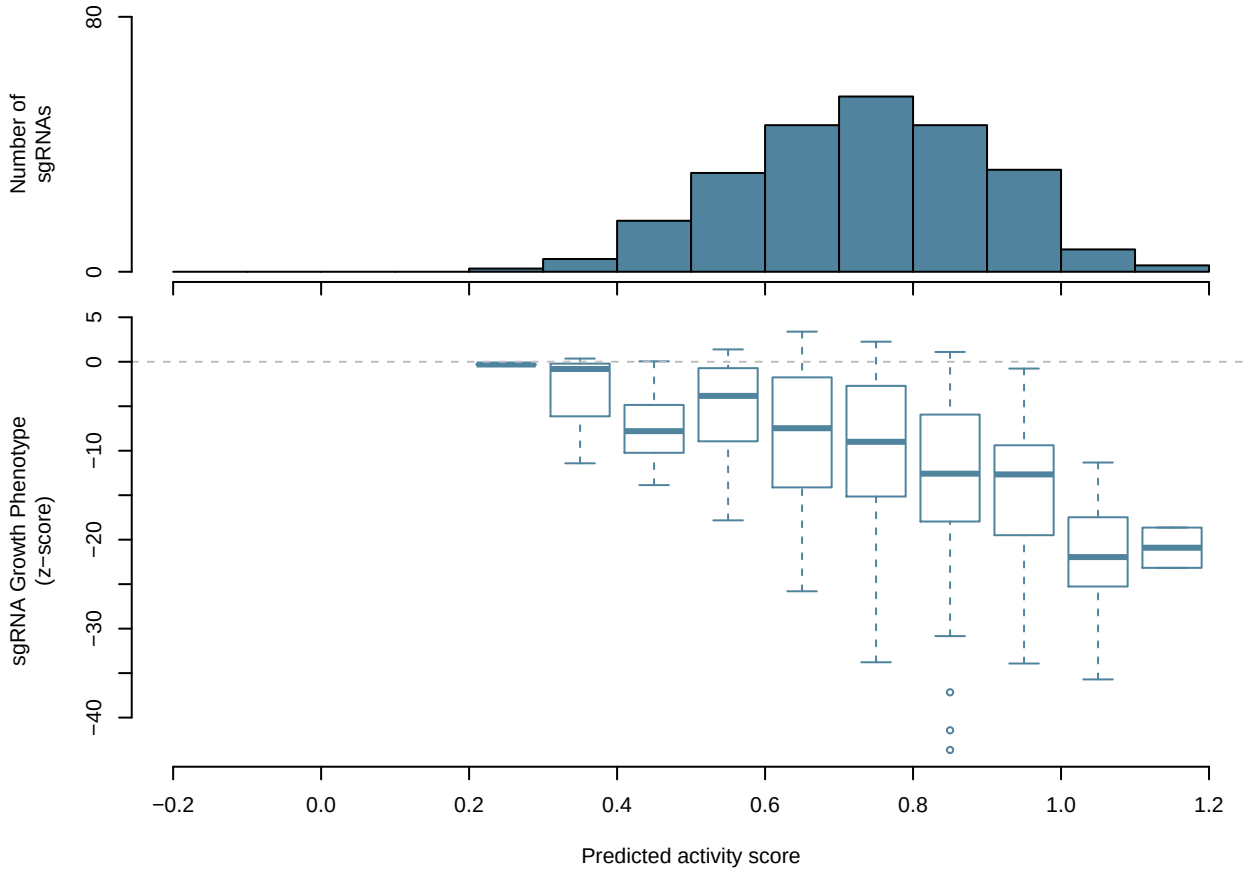
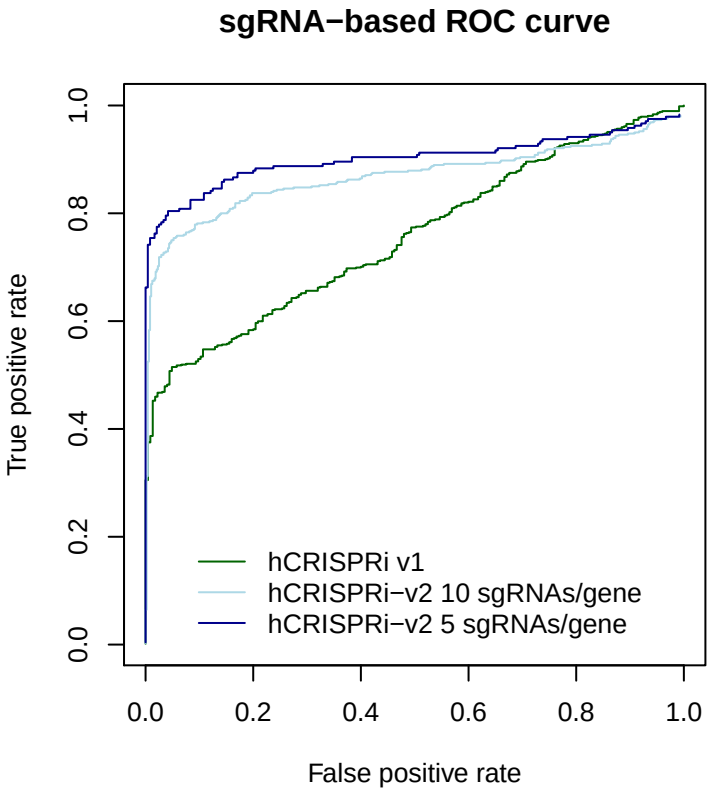
Final Project: Fig. 3 Replication

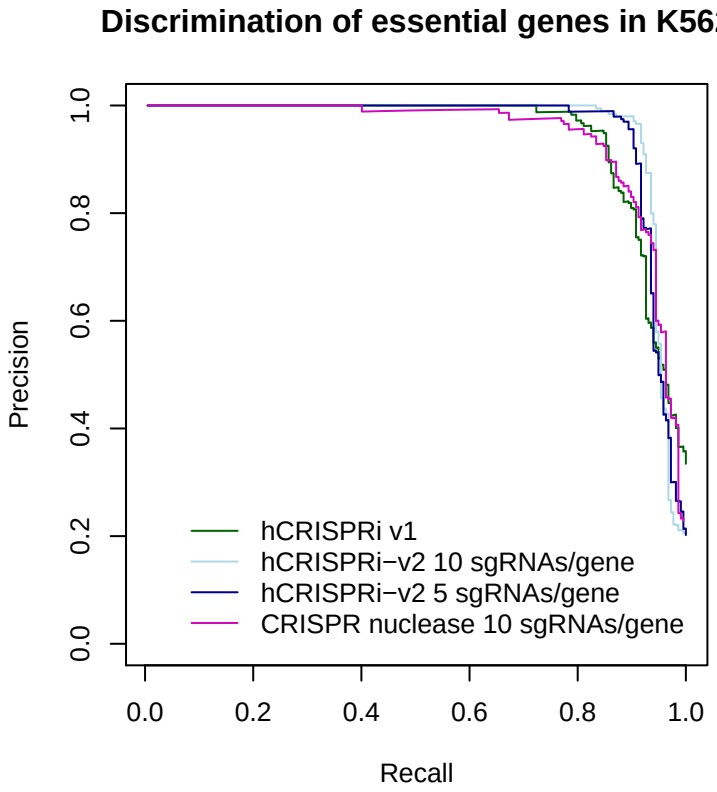



```
## Warning: Setting row names on a tibble is deprecated.
```

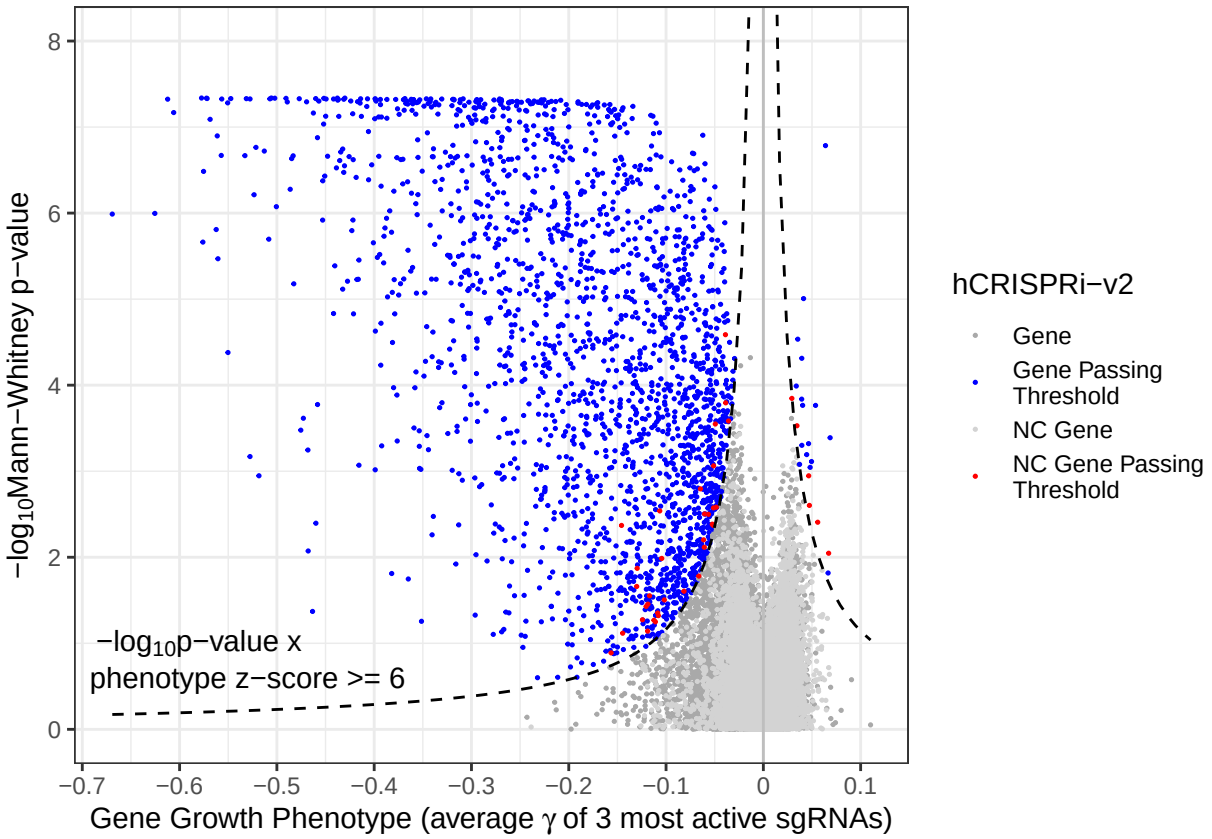
```
## Warning: Unknown or uninitialised column: ‘V6‘.
```

```
## Warning: Unknown or uninitialised column: ‘V7‘.
```


sgRNA−based ROC curve
True positive rate
False positive rate
0.0
0.2
0.4
0.6
0.8
1.0
hCRISPRi v1
hCRISPRi−v2 10 sgRNAs/gene
hCRISPRi−v2 5 sgRNAs/gene




```
## Warning in is.na(x): is.na() applied to non-(list or vector) of type
## 'expression'
```


8
6
4
2
0
−log10Mann−Whitney p−value
−log10p−value x
phenotype z−score >= 6
−0.7
−0.6
−0.5
−0.4
−0.3
−0.2
−0.1
0
0.1
Gene Growth Phenotype (average γ of 3 most active sgRNAs)
hCRISPRi−v2
Gene
Gene Passing Threshold
NC Gene
NC Gene Passing Threshold