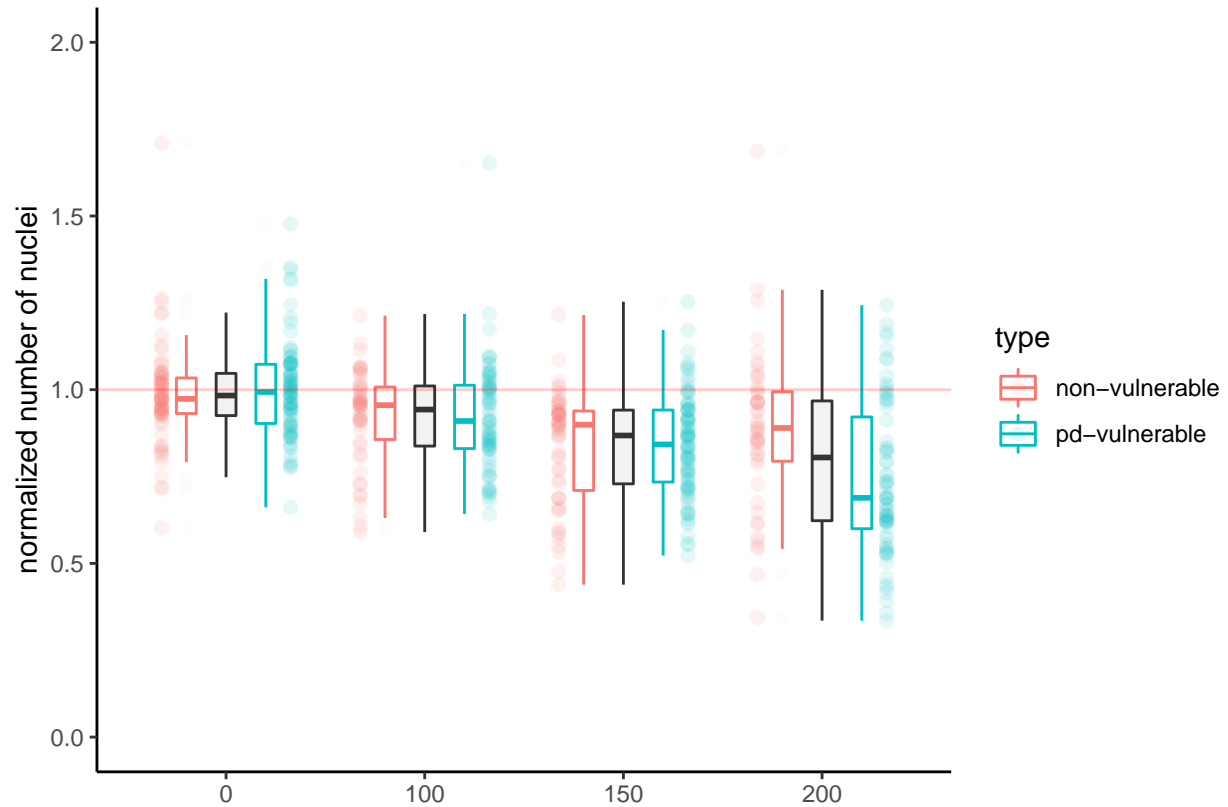


# analysis-manuscript

## Nuclei (DAPI) count



## Supplementary Table 1.1

Kruskal-Wallis, TukeyHSD, PairwiseTtest

Kruskal-Wallis rank sum test

data: dapi\_normalized by hydrogen\_peroxide

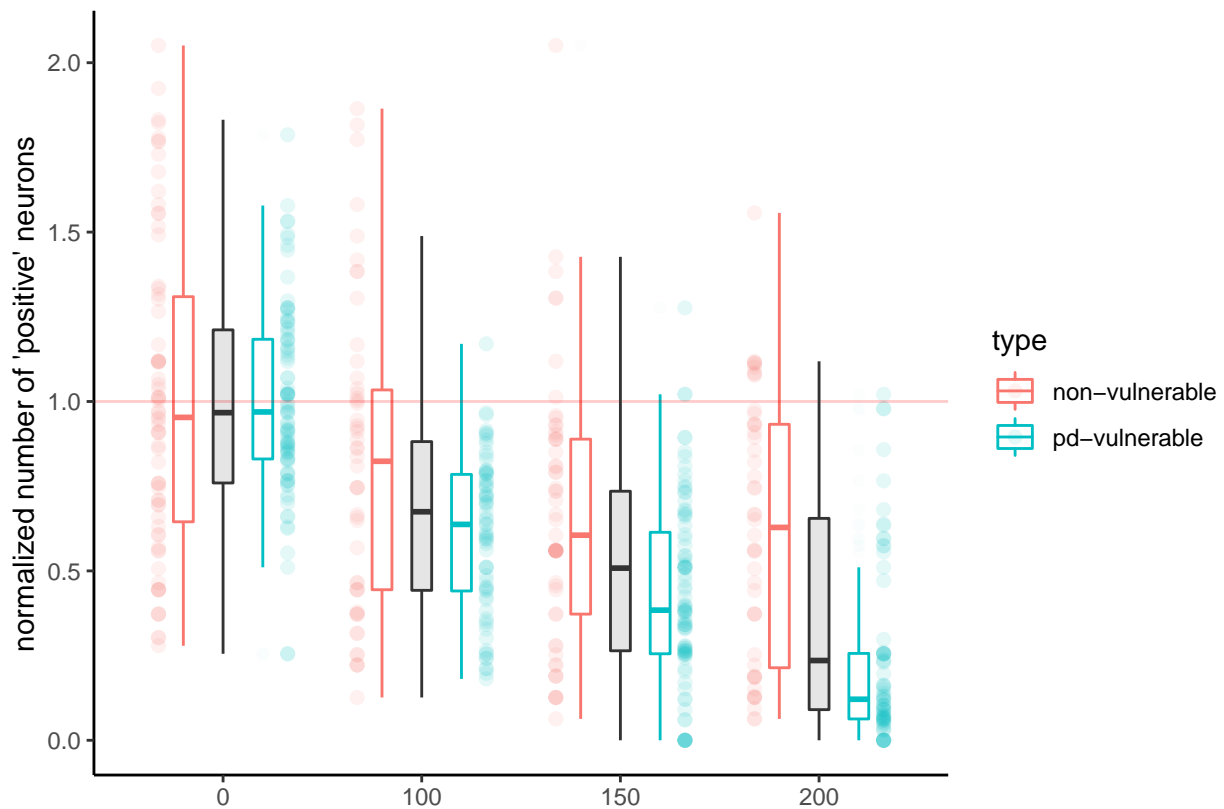
Kruskal-Wallis chi-squared = 91.227, df = 3, p-value < 2.2e-16

Comparison	Z	P.unadj	P.adj
0 - 100	3.400	0.001	0.004
0 - 150	7.804	0.000	0.000
100 - 150	3.972	0.000	0.000

Comparison	Z	P.unadj	P.adj
0 - 200	8.184	0.000	0.000
100 - 200	4.507	0.000	0.000
150 - 200	0.725	0.469	1.000

hydrogen_peroxide	.y.	group1	group2	n1	n2	p	p.signif	p.adj	p.adj.signif
0	dapi_normalized	non-vulnerable	pd-vulnerable	71	86	1.000	ns	1.000	ns
100	dapi_normalized	non-vulnerable	pd-vulnerable	50	77	0.977	ns	0.977	ns
150	dapi_normalized	non-vulnerable	pd-vulnerable	55	92	0.830	ns	0.830	ns
200	dapi_normalized	non-vulnerable	pd-vulnerable	48	72	0.001	***	0.001	***

## Neuron count



Supplimentary Table 1.2

```
##
## Kruskal-Wallis rank sum test
##
## data: neuron_normalized by hydrogen_peroxide
## Kruskal-Wallis chi-squared = 164.32, df = 3, p-value < 2.2e-16

## Comparison      Z      P.unadj      P.adj
```

```
## 1    0 - 100  5.867938 4.412478e-09 2.647487e-08
## 2    0 - 150  9.779527 1.378532e-22 8.271193e-22
## 3   100 - 150  3.408957 6.521186e-04 3.912712e-03
## 4    0 - 200 11.754230 6.717025e-32 4.030215e-31
## 5   100 - 200  5.563542 2.643538e-08 1.586123e-07
## 6   150 - 200  2.386850 1.699342e-02 1.019605e-01
```

## section heading

```
##      speed      dist
## Min.   : 4.0   Min.   :  2.00
## 1st Qu.:12.0   1st Qu.: 26.00
## Median :15.0   Median : 36.00
## Mean   :15.4   Mean    : 42.98
## 3rd Qu.:19.0   3rd Qu.: 56.00
## Max.   :25.0   Max.    :120.00
```

## section heading2

```
##      speed      dist
## Min.   : 4.0   Min.   :  2.00
## 1st Qu.:12.0   1st Qu.: 26.00
## Median :15.0   Median : 36.00
## Mean   :15.4   Mean    : 42.98
## 3rd Qu.:19.0   3rd Qu.: 56.00
## Max.   :25.0   Max.    :120.00
```