EROD Calibration charts

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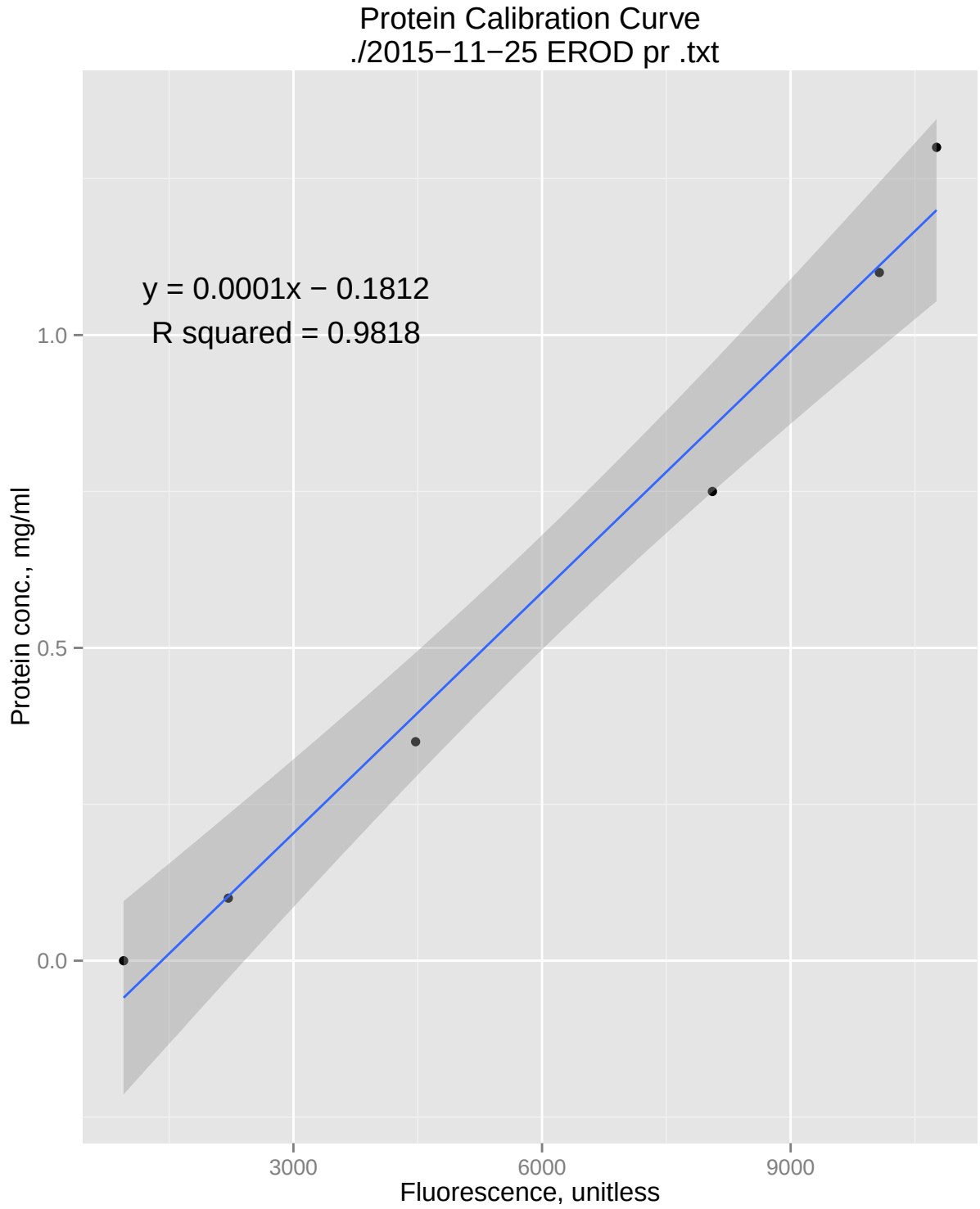
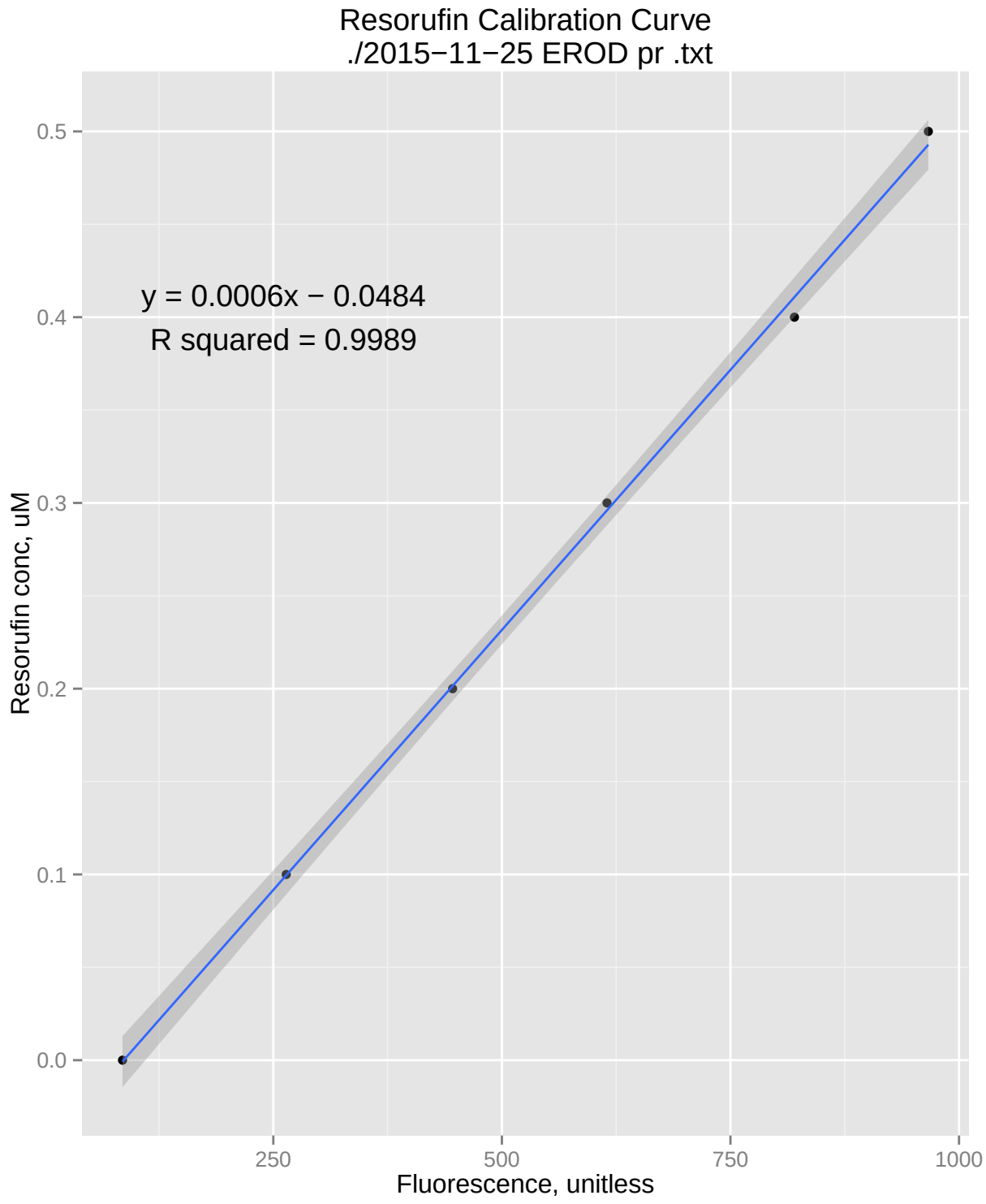
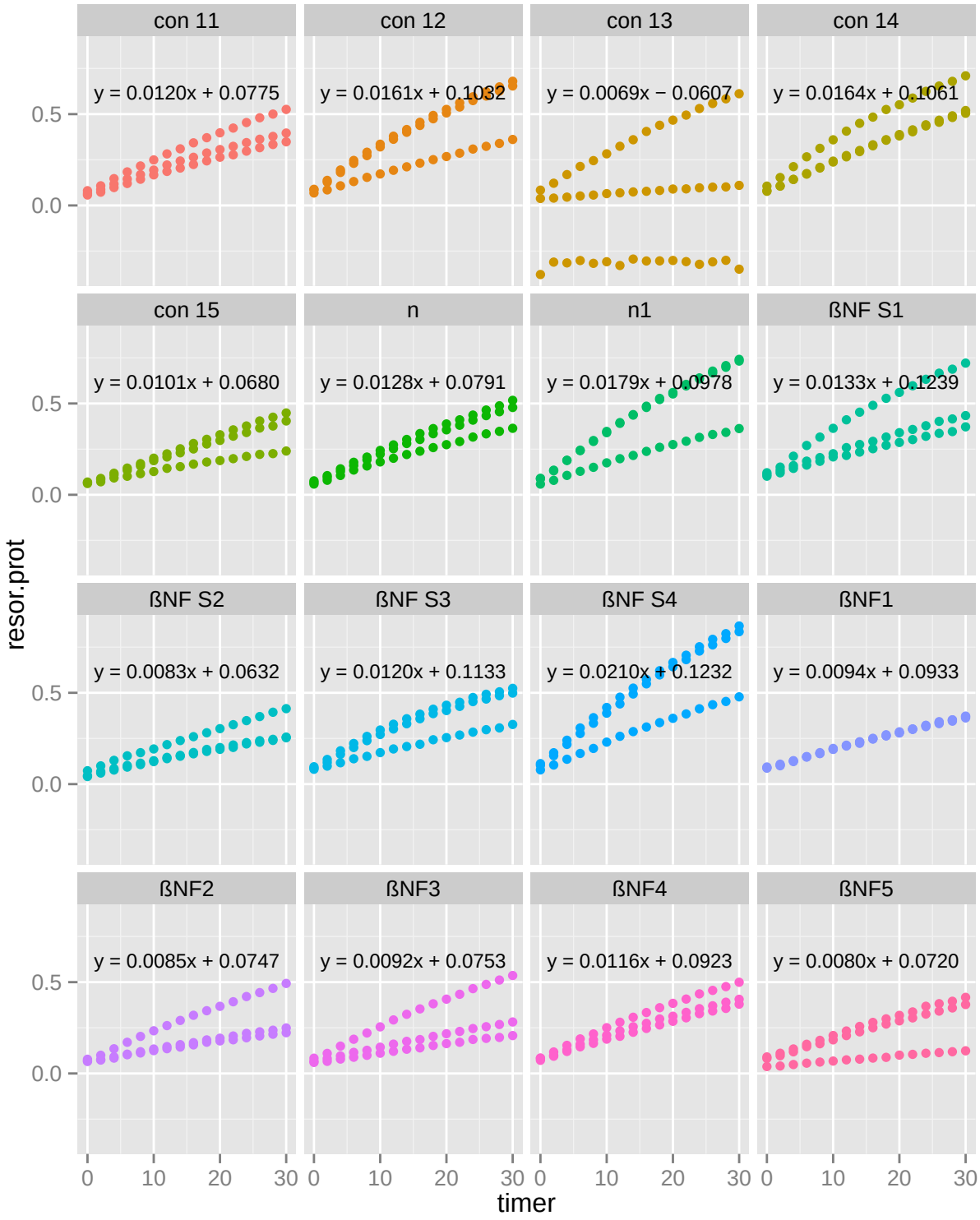
This script prints calibration charts for all text files in its directory.

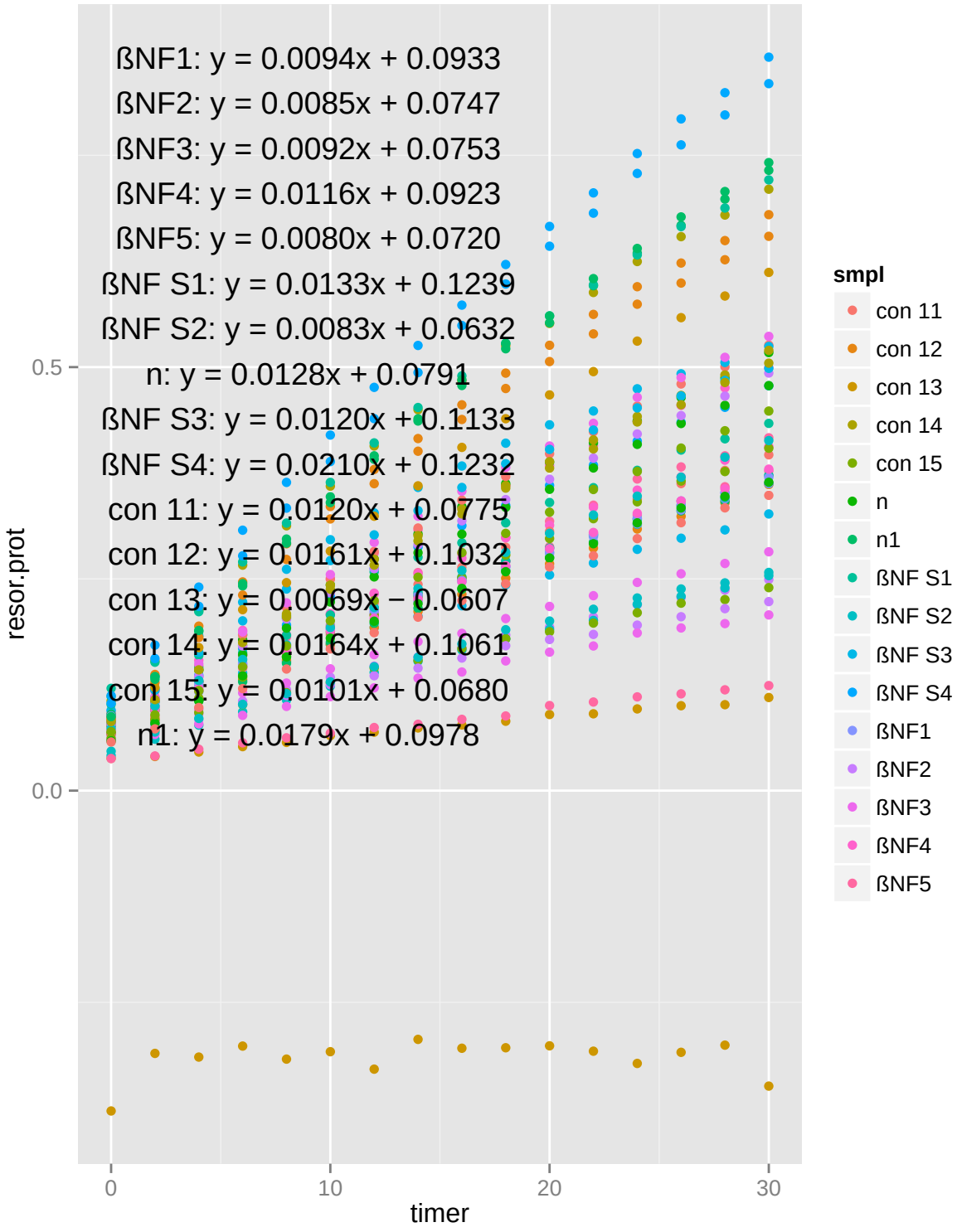


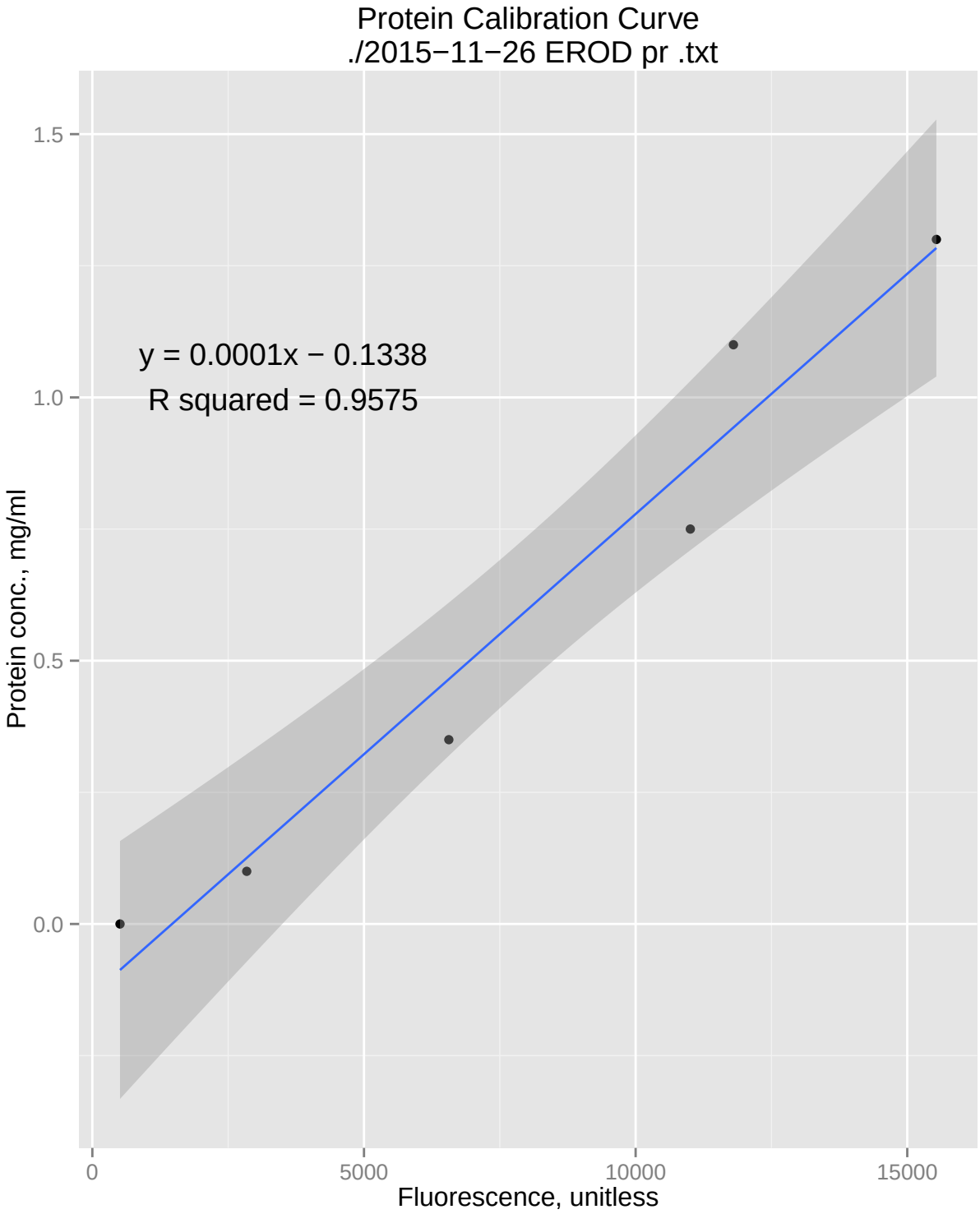

```
##
## Attaching package: 'dplyr'
##
## The following object is masked from 'package:stats':
##
```

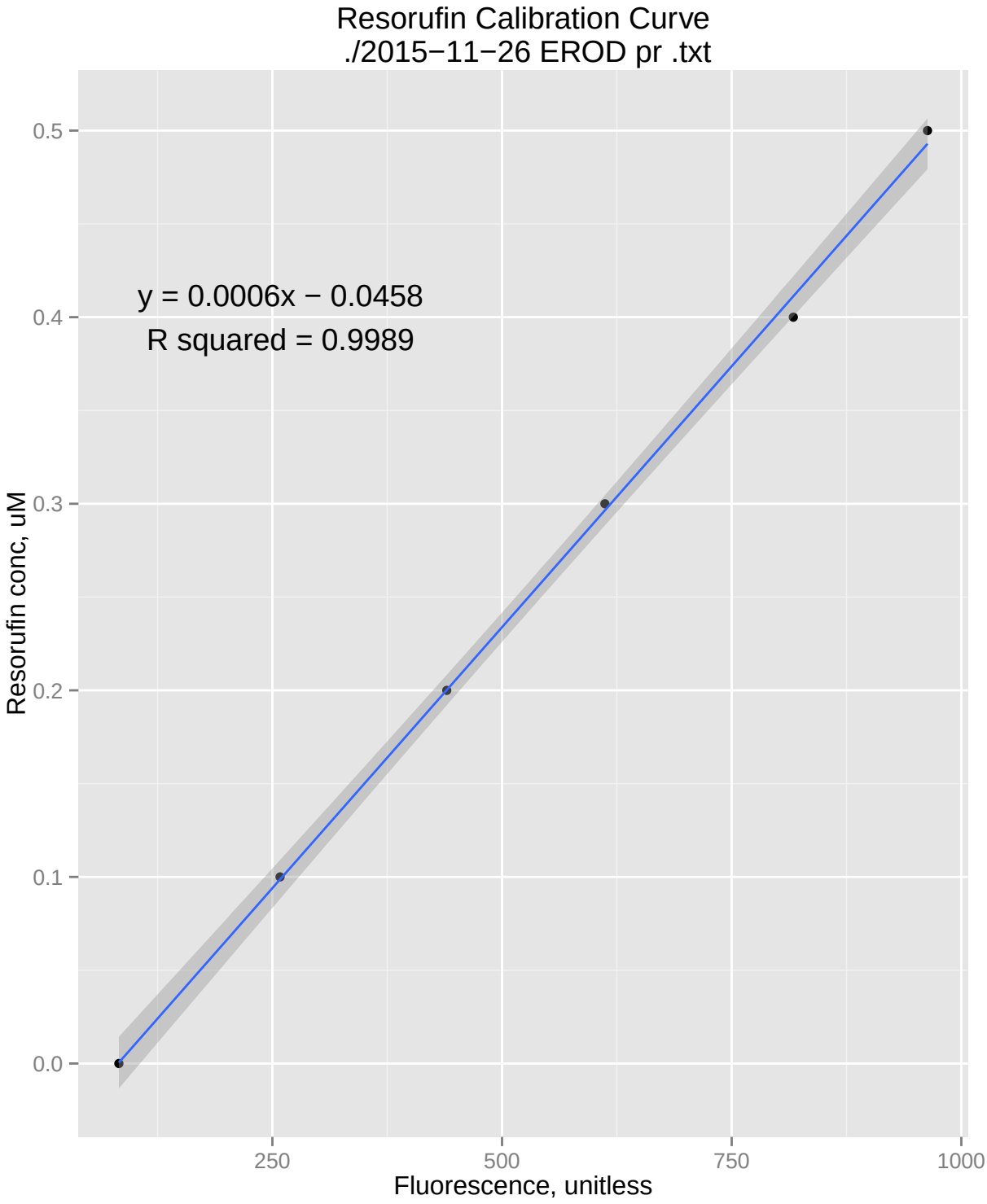
```
##     filter
##
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

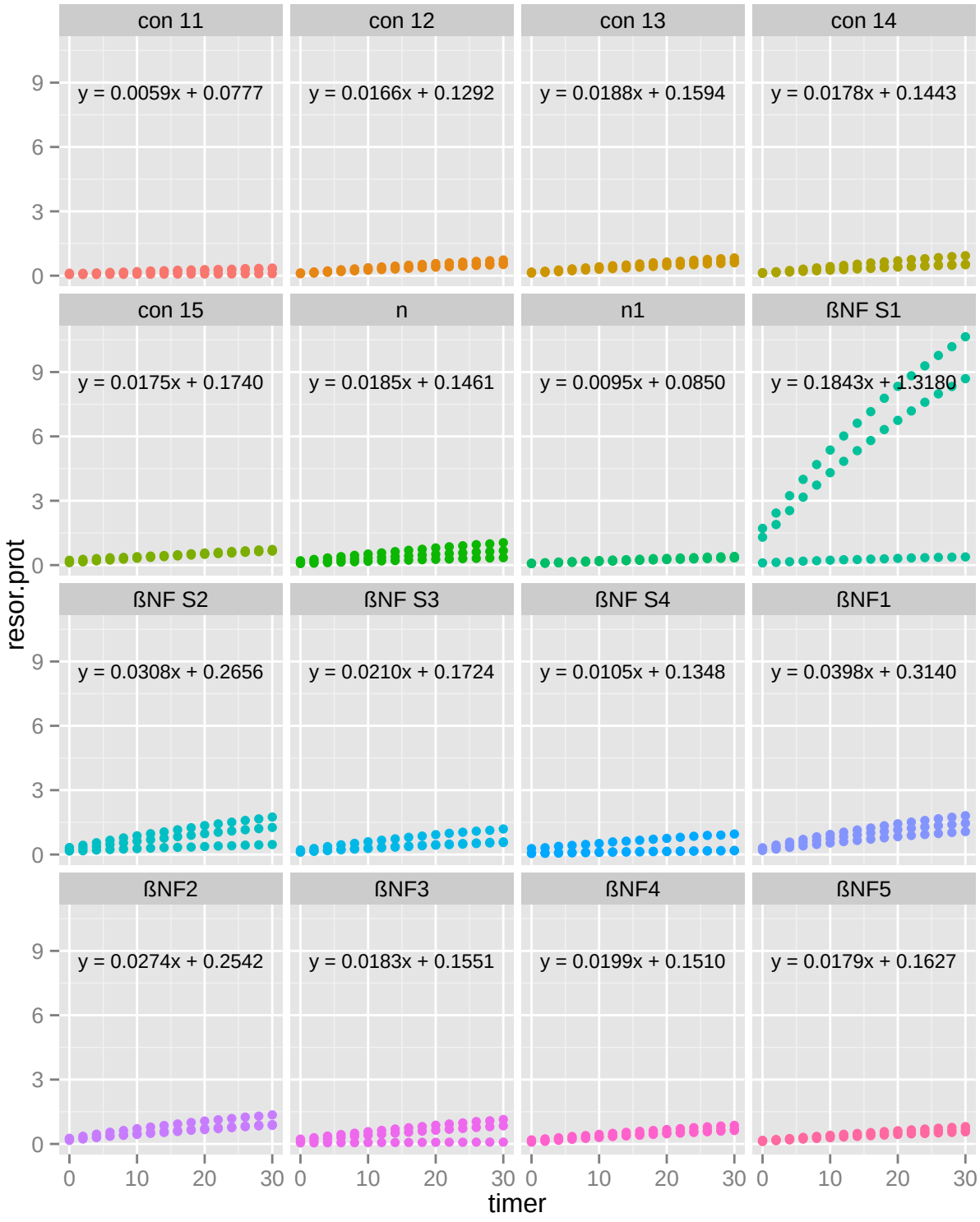


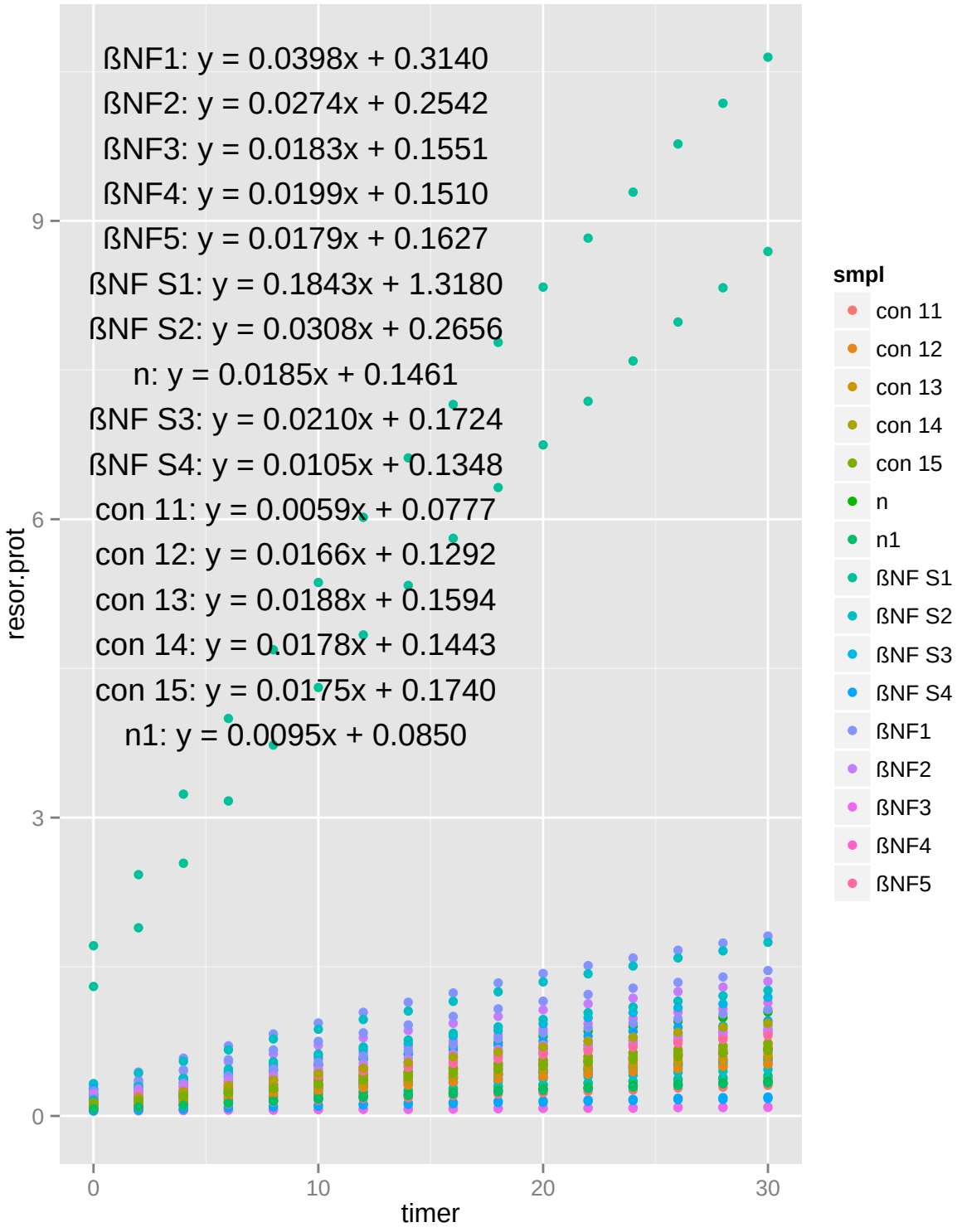

con 11
y = 0.0120x + 0.0775
con 12
y = 0.0161x + 0.1032
con 13
y = 0.0069x − 0.0607
con 14
y = 0.0164x + 0.1061
con 15
y = 0.0101x + 0.0680
n
y = 0.0128x + 0.0791
n1
y = 0.0179x + 0.0978
ßNF S1
y = 0.0133x + 0.1239
ßNF S2
y = 0.0083x + 0.0632
ßNF S3
y = 0.0120x + 0.1133
ßNF S4
y = 0.0210x + 0.1232
ßNF1
y = 0.0094x + 0.0933
ßNF2
y = 0.0085x + 0.0747
ßNF3
y = 0.0092x + 0.0753
ßNF4
y = 0.0116x + 0.0923
ßNF5
y = 0.0080x + 0.0720
resor.prot
0.5
0.0
0
10
20
30
timer


ßNF1: y = 0.0094x + 0.0933
ßNF2: y = 0.0085x + 0.0747
ßNF3: y = 0.0092x + 0.0753
ßNF4: y = 0.0116x + 0.0923
ßNF5: y = 0.0080x + 0.0720
ßNF S1: y = 0.0133x + 0.1239
ßNF S2: y = 0.0083x + 0.0632
n: y = 0.0128x + 0.0791
ßNF S3: y = 0.0120x + 0.1133
ßNF S4: y = 0.0210x + 0.1232
con 11: y = 0.0120x + 0.0775
con 12: y = 0.0161x + 0.1032
con 13: y = 0.0069x − 0.0607
con 14: y = 0.0164x + 0.1061
con 15: y = 0.0101x + 0.0680
n1: y = 0.0179x + 0.0978
0.5
0.0
resor.prot
0
10
20
30
timer
smpl
con 11
con 12
con 13
con 14
con 15
n
n1
ßNF S1
ßNF S2
ßNF S3
ßNF S4
ßNF1
ßNF2
ßNF3
ßNF4
ßNF5


Protein Calibration Curve
./2015−11−26 EROD pr .txt
y = 0.0001x − 0.1338
R squared = 0.9575
Protein conc., mg/ml
Fluorescence, unitless
0.0
0.5
1.0
1.5
0
5000
10000
15000


Resorufin Calibration Curve
./2015−11−26 EROD pr .txt
y = 0.0006x − 0.0458
R squared = 0.9989
Resorufin conc, uM
0.0
0.1
0.2
0.3
0.4
0.5
250
500
750
1000
Fluorescence, unitless


con 11
y = 0.0059x + 0.0777
con 12
y = 0.0166x + 0.1292
con 13
y = 0.0188x + 0.1594
con 14
y = 0.0178x + 0.1443
con 15
y = 0.0175x + 0.1740
n
y = 0.0185x + 0.1461
n1
y = 0.0095x + 0.0850
ßNF S1
y = 0.1843x + 1.3180
ßNF S2
y = 0.0308x + 0.2656
ßNF S3
y = 0.0210x + 0.1724
ßNF S4
y = 0.0105x + 0.1348
ßNF1
y = 0.0398x + 0.3140
ßNF2
y = 0.0274x + 0.2542
ßNF3
y = 0.0183x + 0.1551
ßNF4
y = 0.0199x + 0.1510
ßNF5
y = 0.0179x + 0.1627
resor.prot
0
3
6
9
0
10
20
30
timer


ßNF1: y = 0.0398x + 0.3140
ßNF2: y = 0.0274x + 0.2542
ßNF3: y = 0.0183x + 0.1551
ßNF4: y = 0.0199x + 0.1510
ßNF5: y = 0.0179x + 0.1627
ßNF S1: y = 0.1843x + 1.3180
ßNF S2: y = 0.0308x + 0.2656
n: y = 0.0185x + 0.1461
ßNF S3: y = 0.0210x + 0.1724
ßNF S4: y = 0.0105x + 0.1348
con 11: y = 0.0059x + 0.0777
con 12: y = 0.0166x + 0.1292
con 13: y = 0.0188x + 0.1594
con 14: y = 0.0178x + 0.1443
con 15: y = 0.0175x + 0.1740
n1: y = 0.0095x + 0.0850
resor.prot
9
6
3
0
0
10
20
30
timer
smpl
con 11
con 12
con 13
con 14
con 15
n
n1
ßNF S1
ßNF S2
ßNF S3
ßNF S4
ßNF1
ßNF2
ßNF3
ßNF4
ßNF5