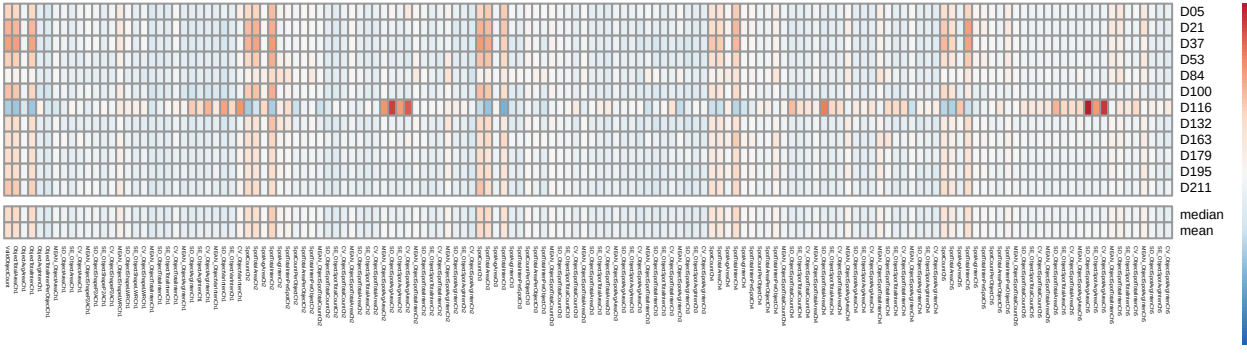
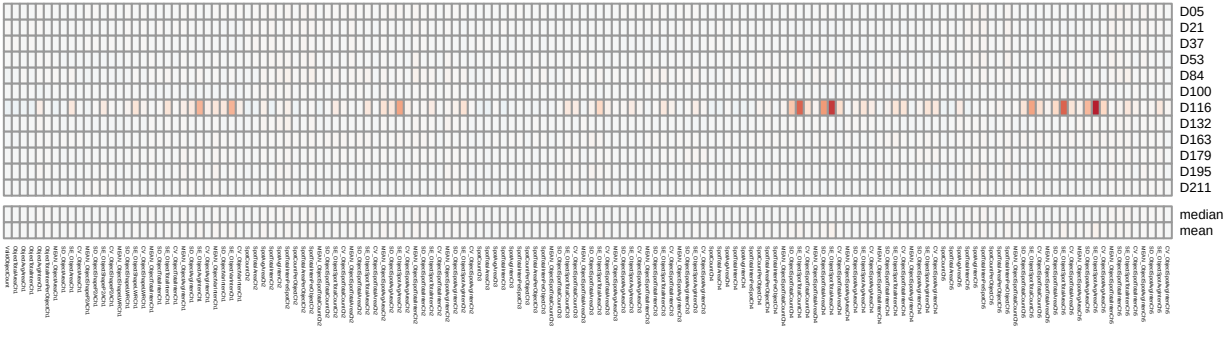
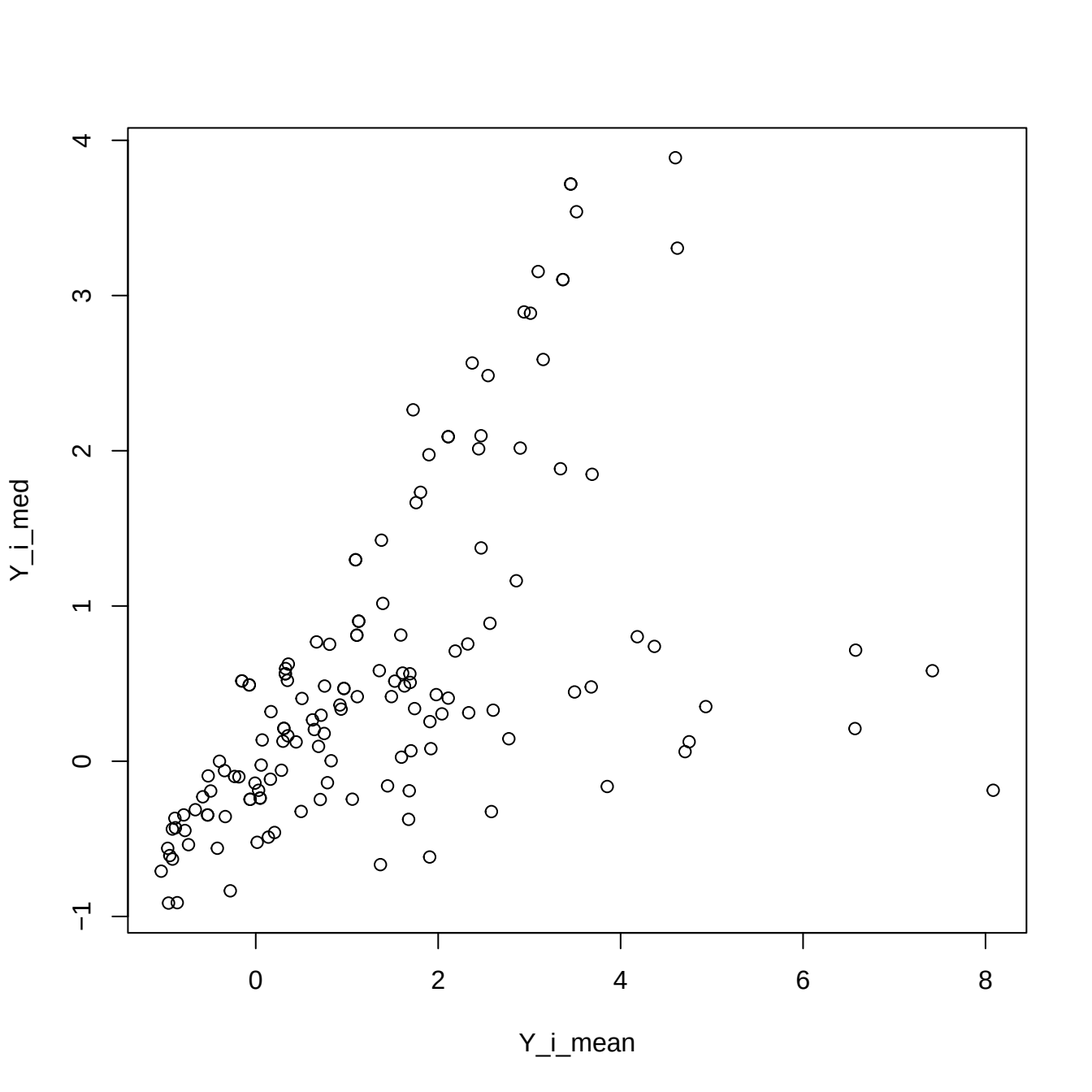
Design experiment 1 (replicates)

Scaled features, experiment 1



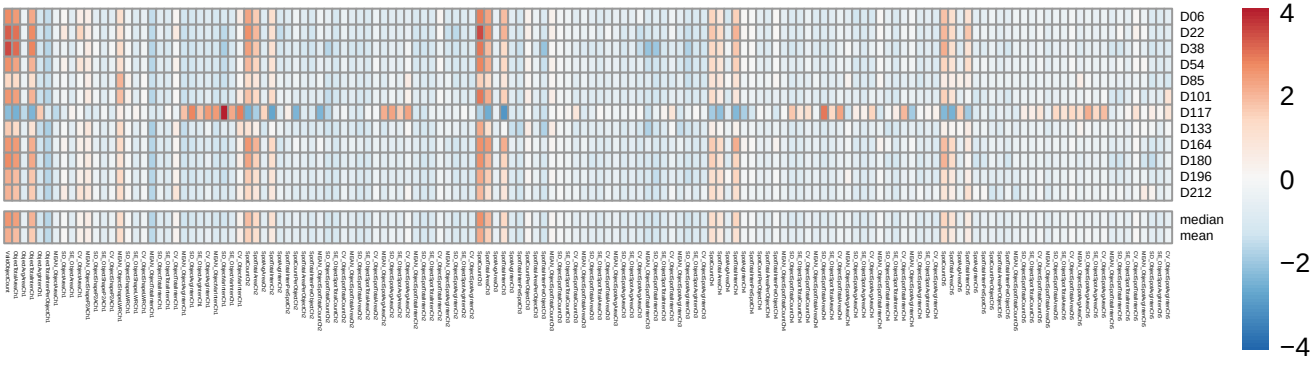
Measured features before scaling, experiment 1



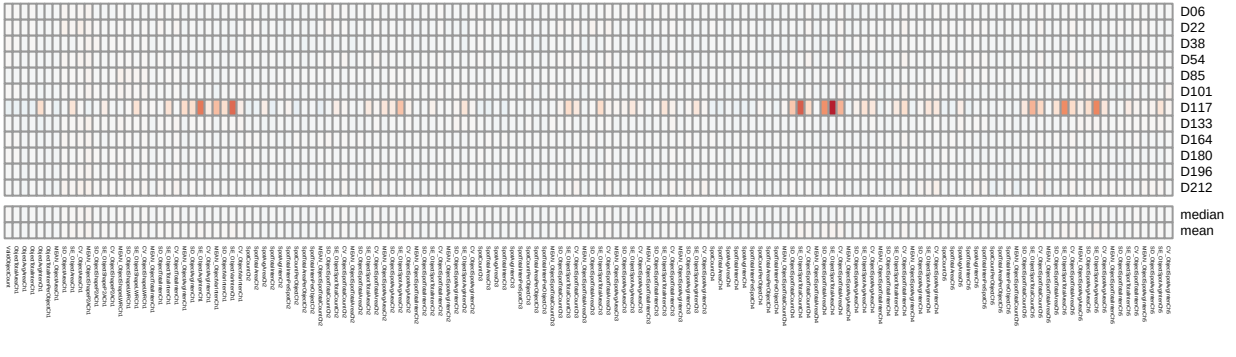

Y_i_med
Y_i_mean
−1
0
1
2
3
4
0
2
4
6
8

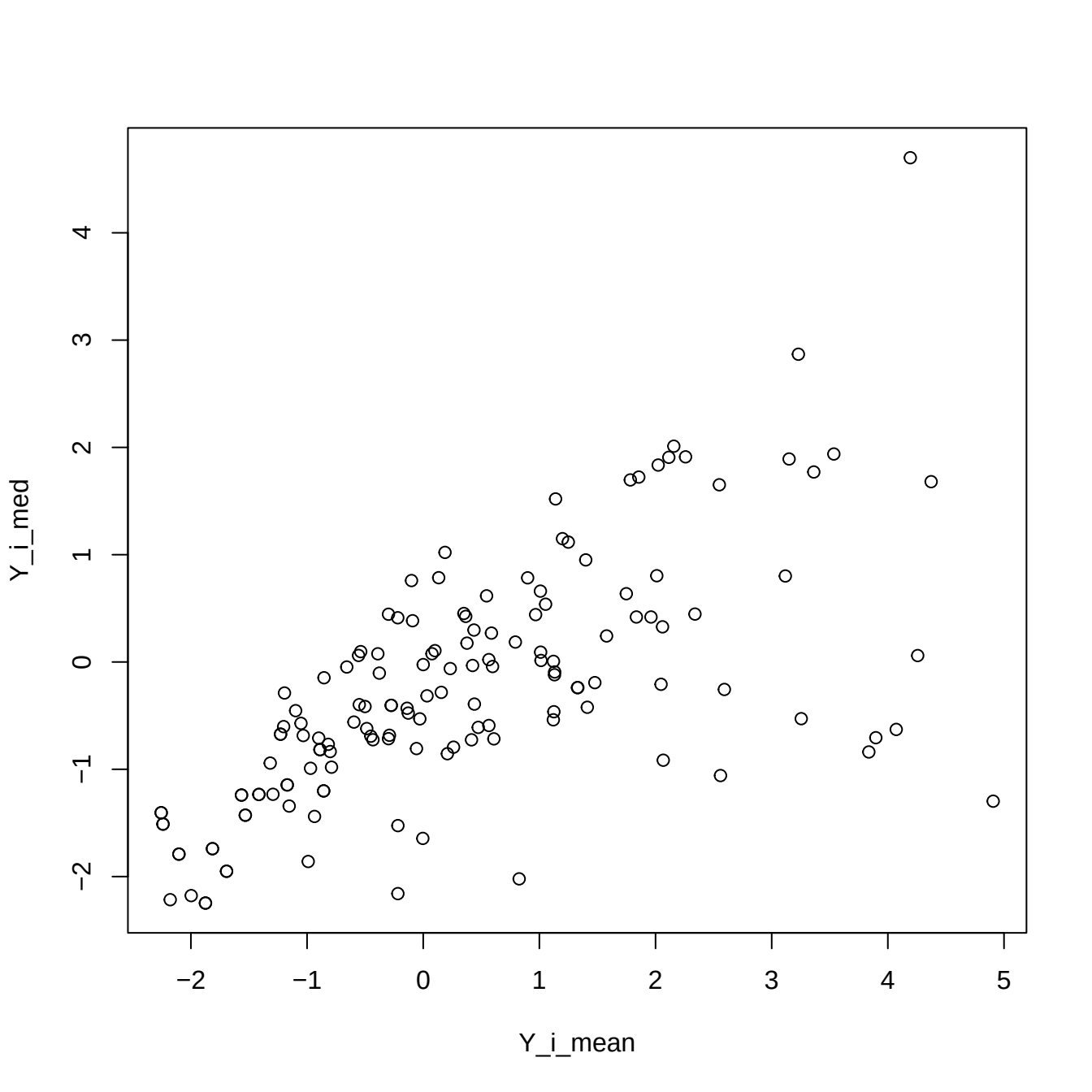
Design experiment 2 (replicates)

Scaled features, experiment 2



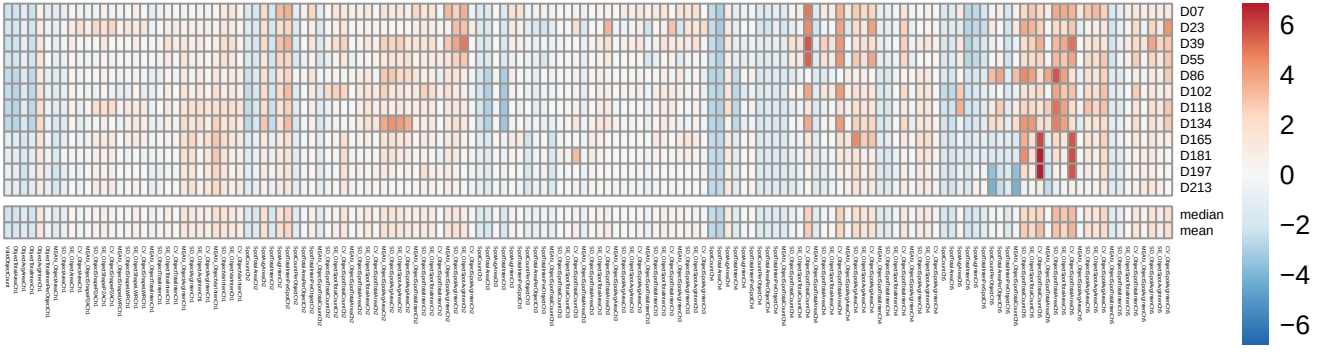
Measured features before scaling, experiment 2



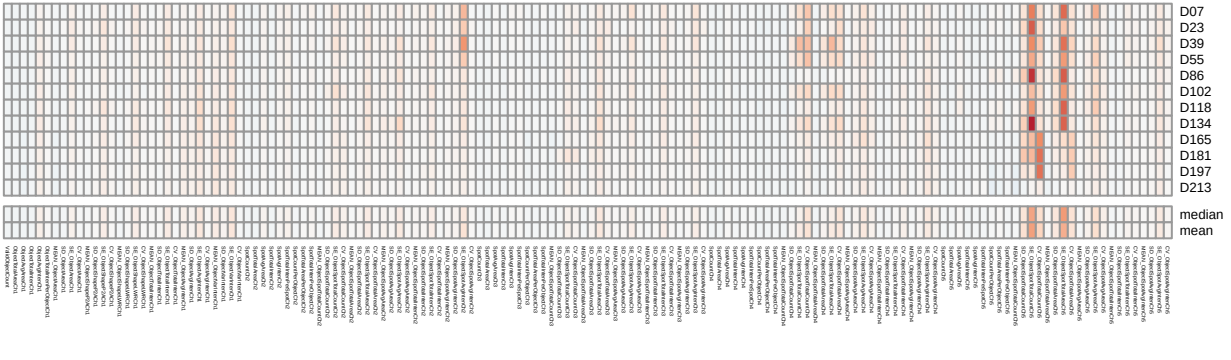

Y_i_med
Y_i_mean
−2
−1
0
1
2
3
4
5

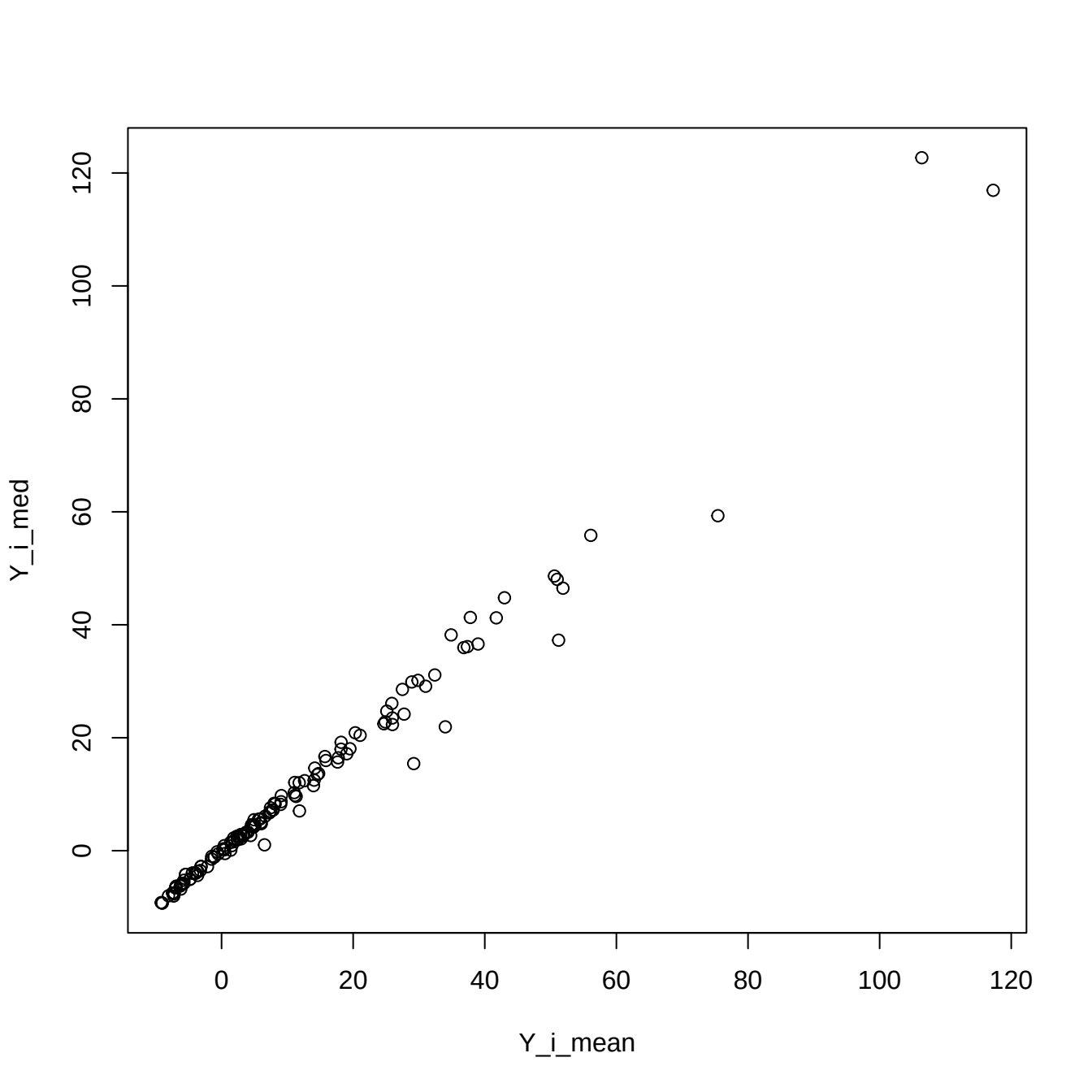
Design experiment 3 (replicates)

Scaled features, experiment 3



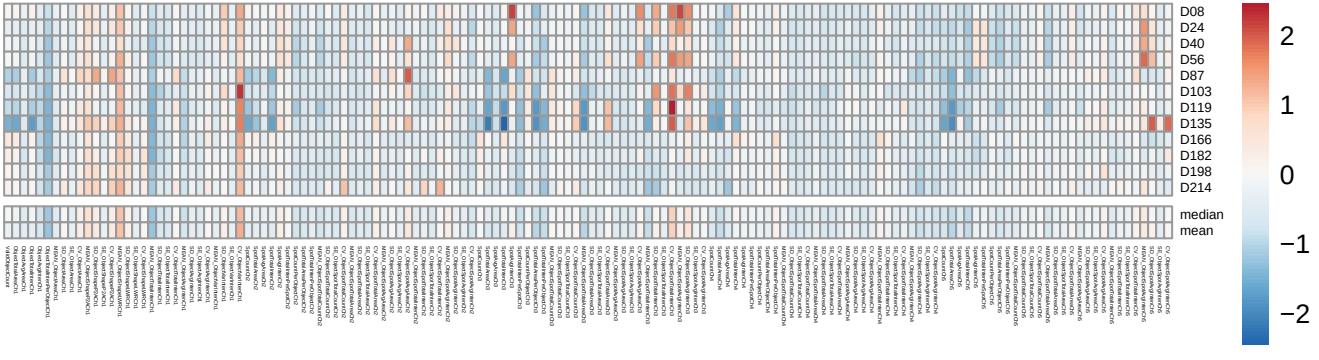
Measured features before scaling, experiment 3



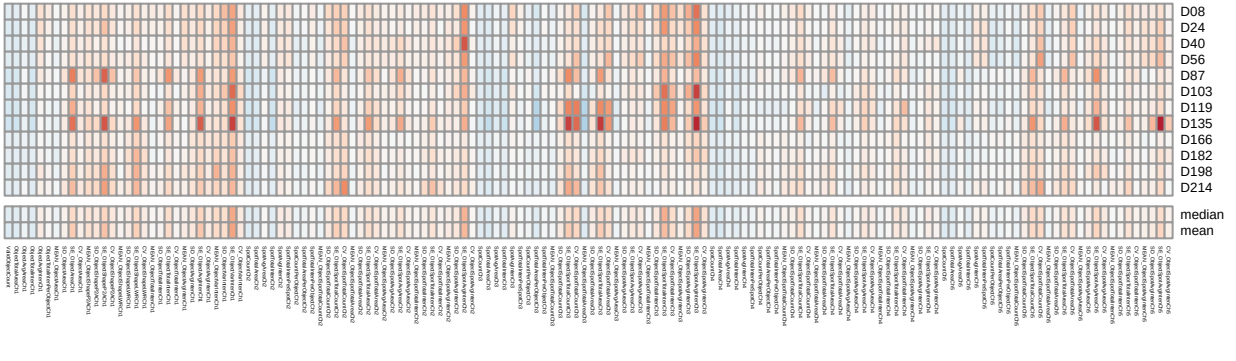

Y_i_med
Y_i_mean
0
20
40
60
80
100
120

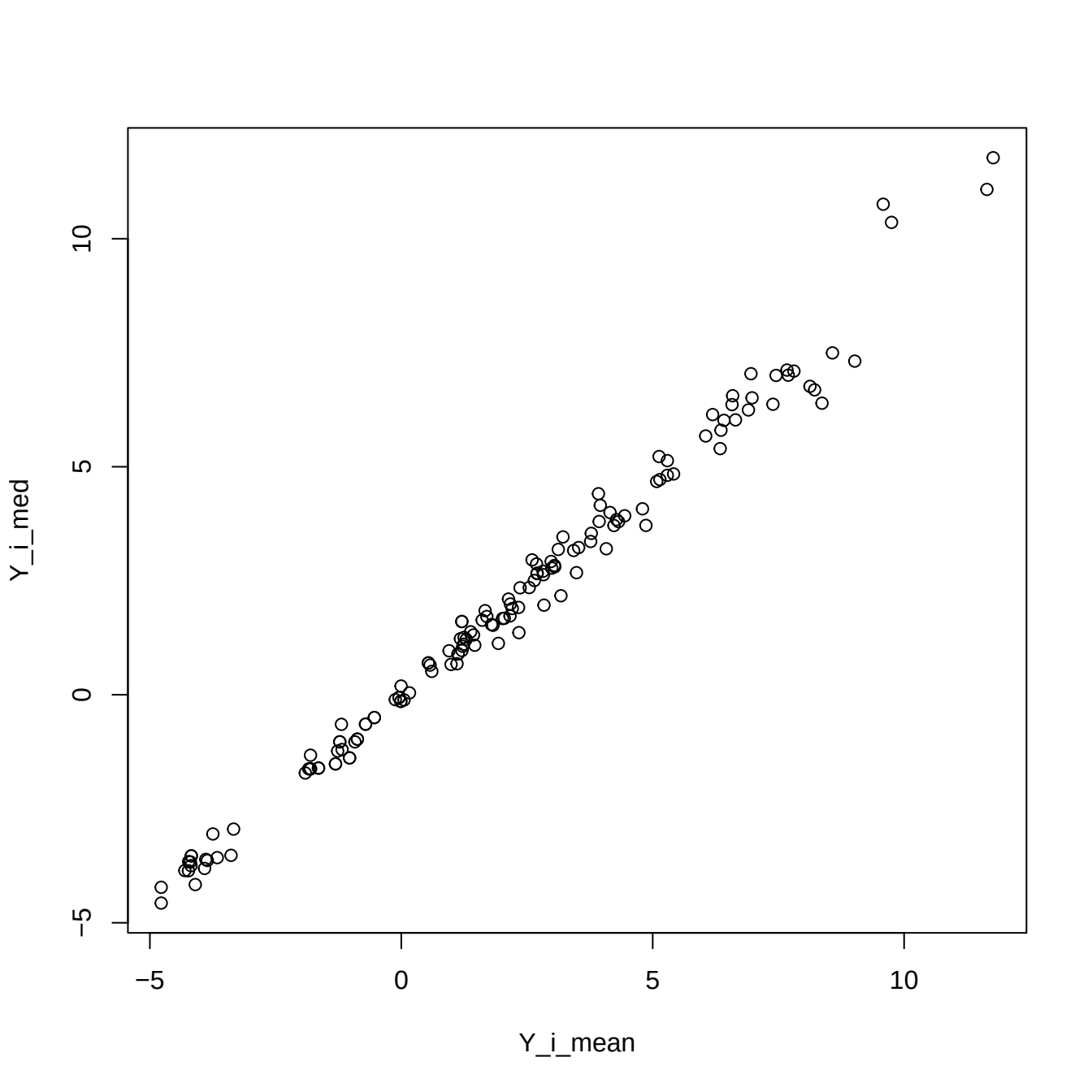
Design experiment 4 (replicates)

Scaled features, experiment 4



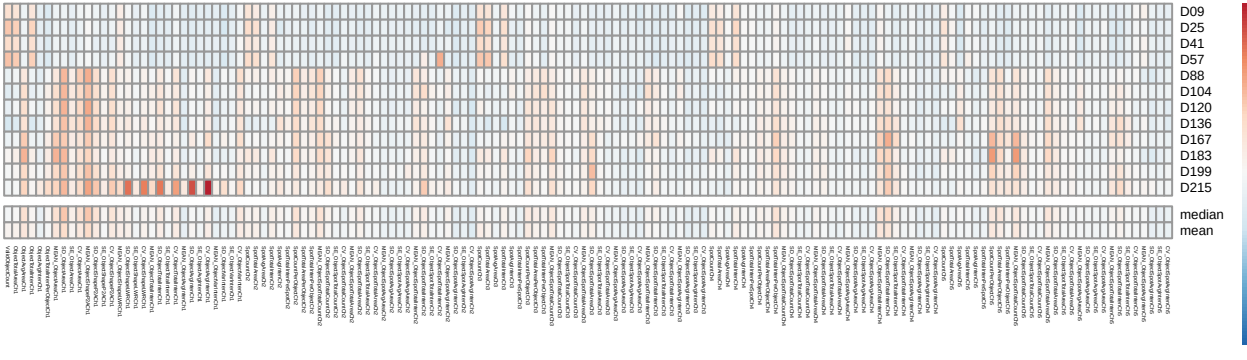
Measured features before scaling, experiment 4



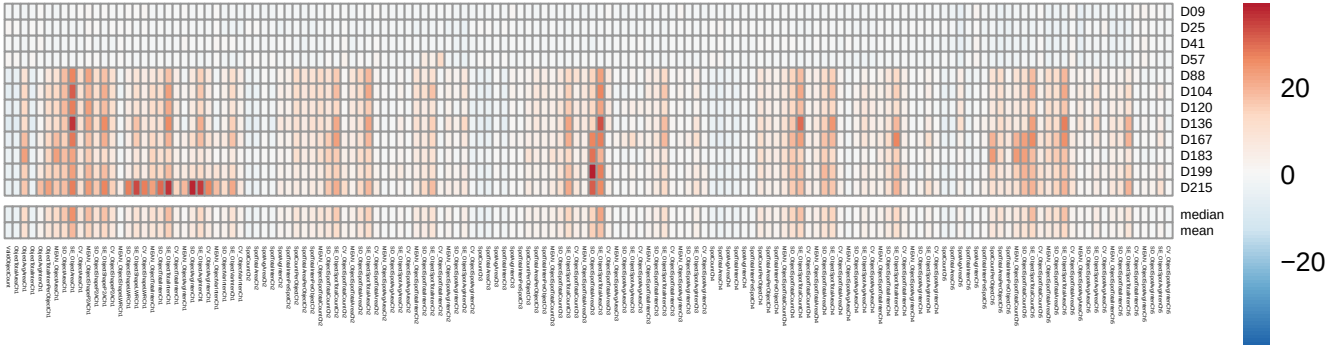

Y_i_med
Y_i_mean
−5
0
5
10
−5
0
5
10

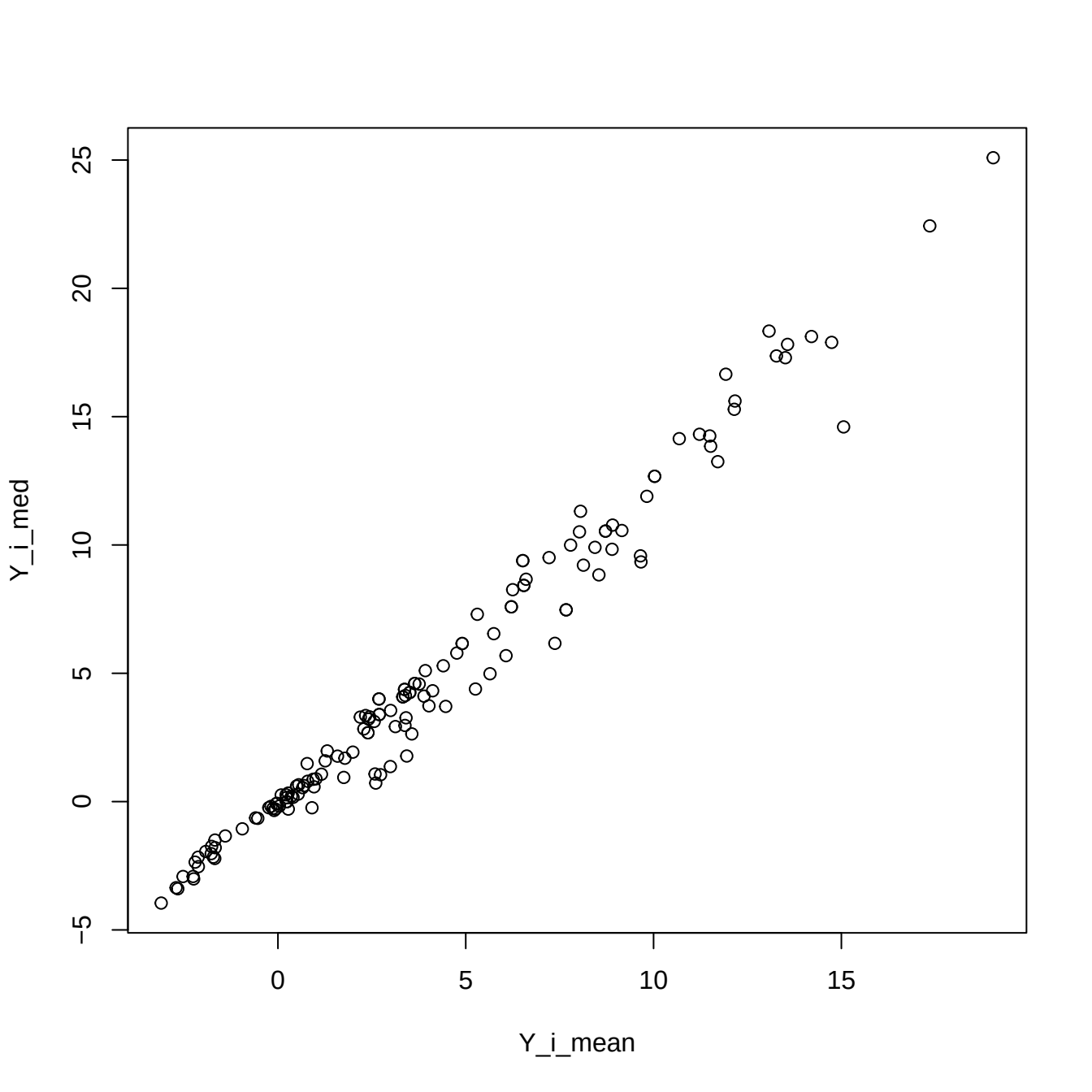
Design experiment 5 (replicates)

Scaled features, experiment 5



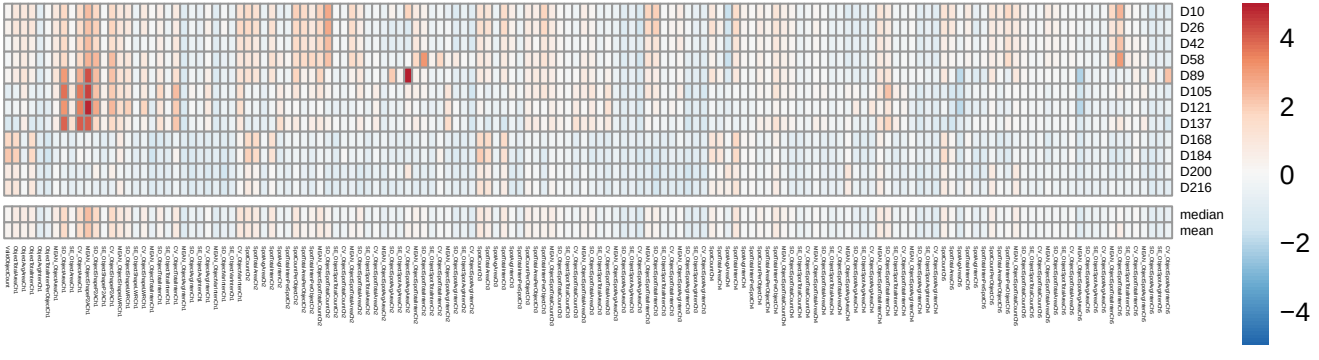
Measured features before scaling, experiment 5



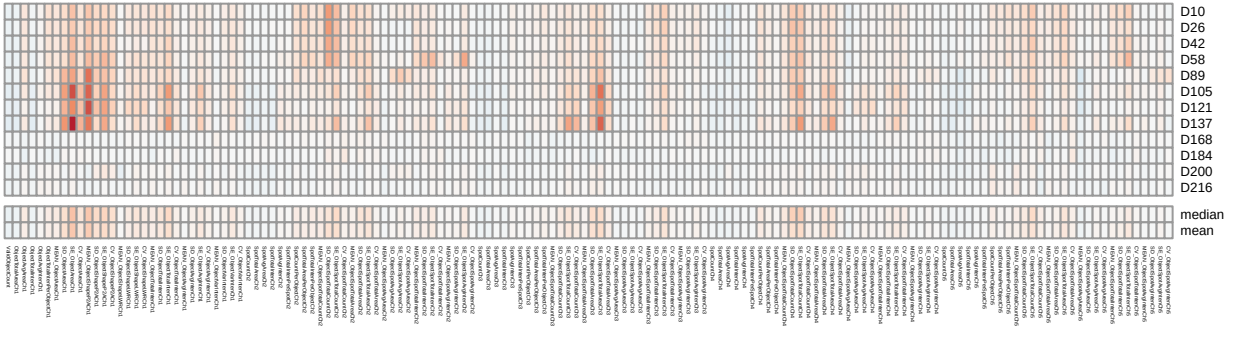

Y_i_med
Y_i_mean
−5
0
5
10
15
20
25
0
5
10
15

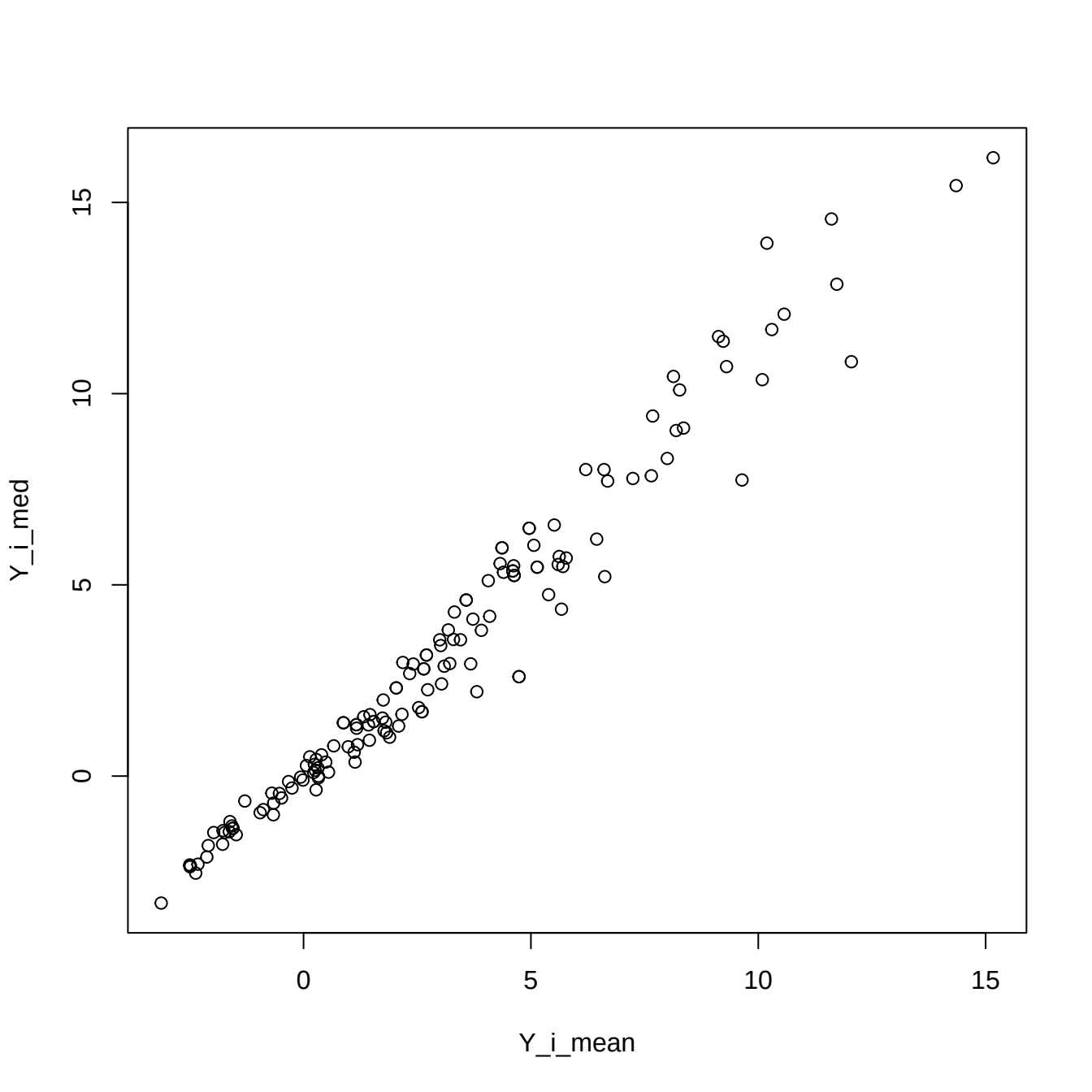
Design experiment 6 (replicates)

Scaled features, experiment 6



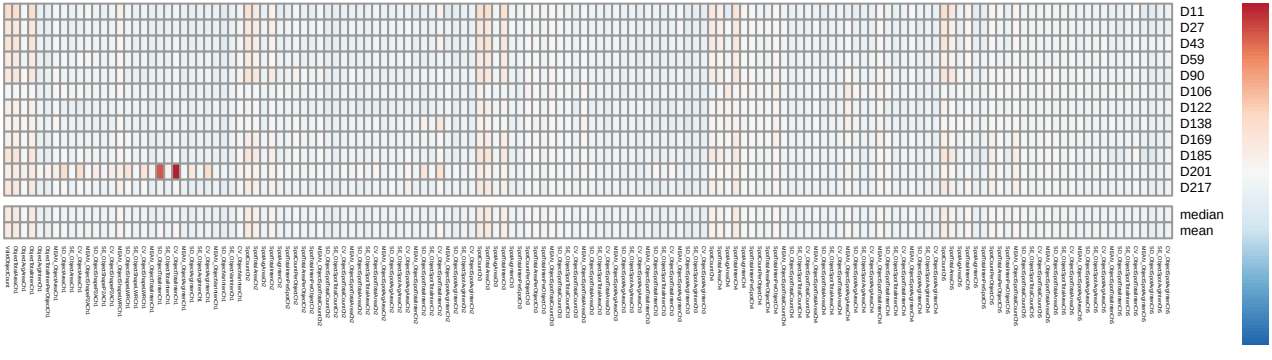
Measured features before scaling, experiment 6



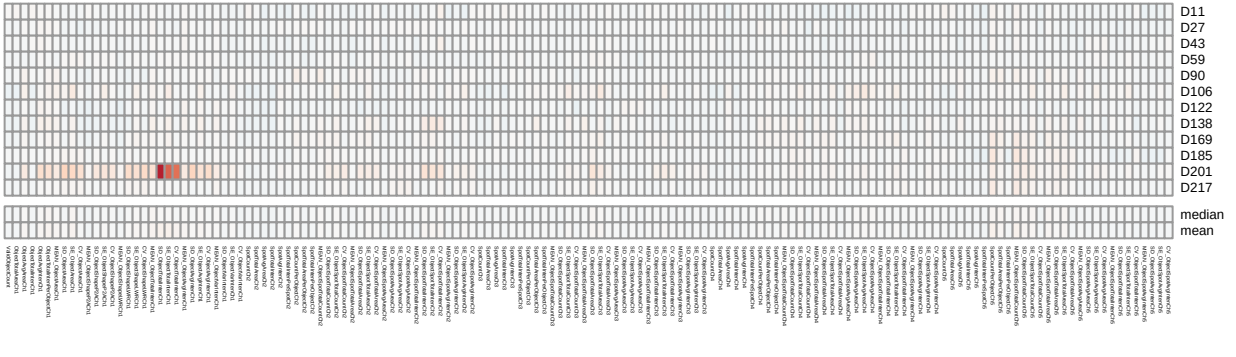

Y_i_med
Y_i_mean
0
5
10
15
0
5
10
15

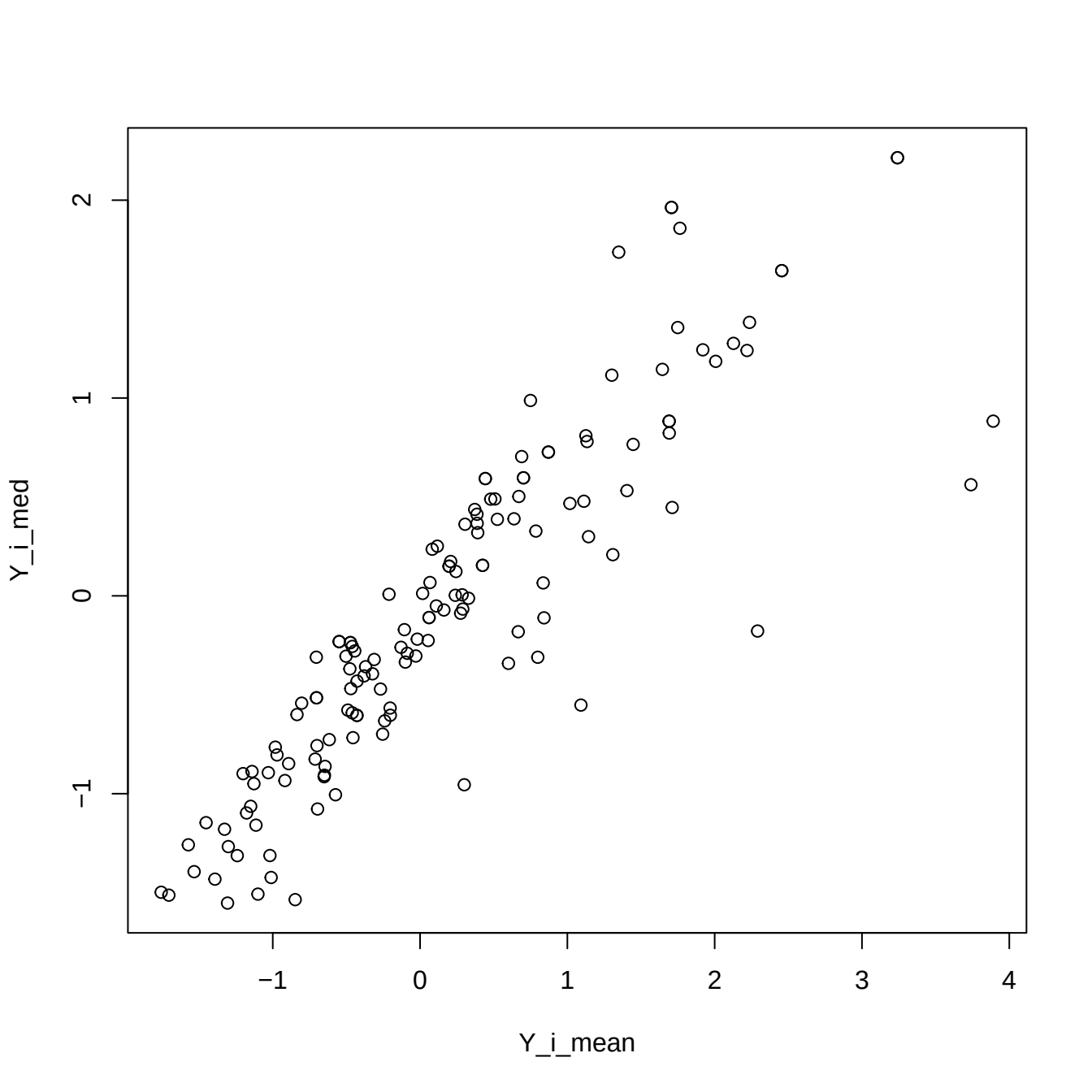
Design experiment 7 (replicates)

Scaled features, experiment 7



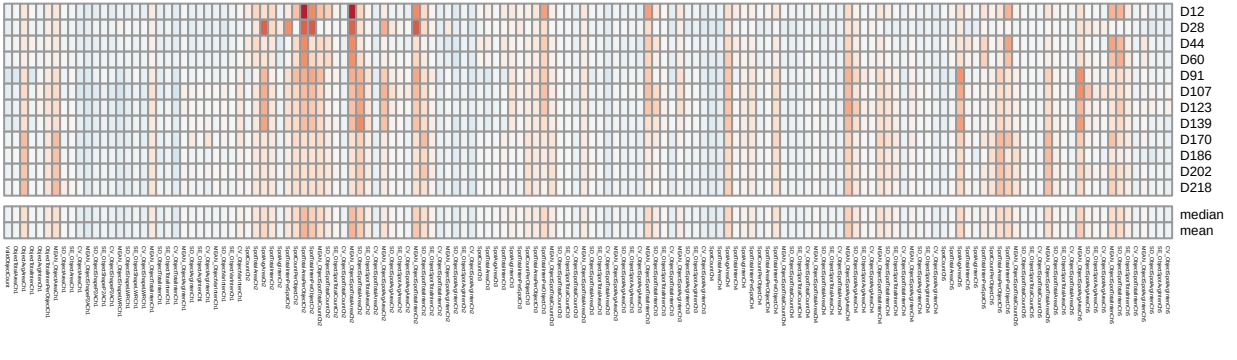
Measured features before scaling, experiment 7



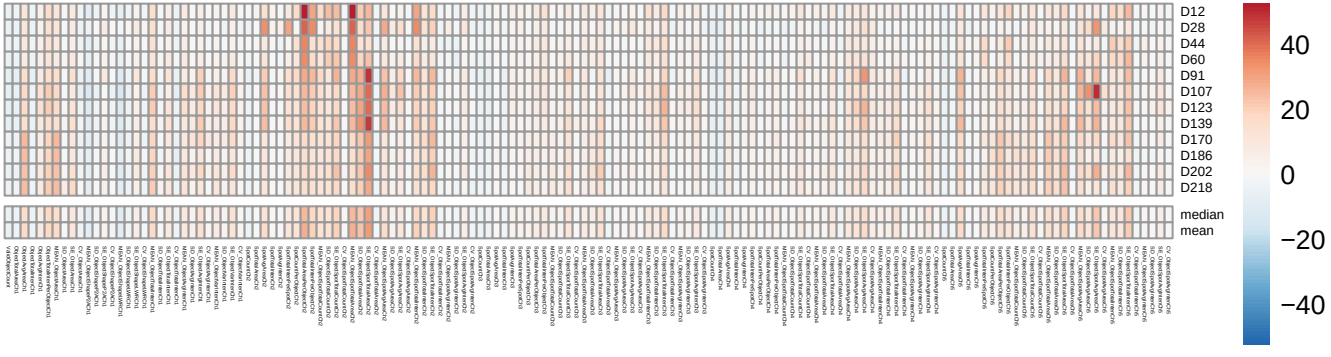

Y_i_med
Y_i_mean
2
1
0
−1
−1
0
1
2
3
4

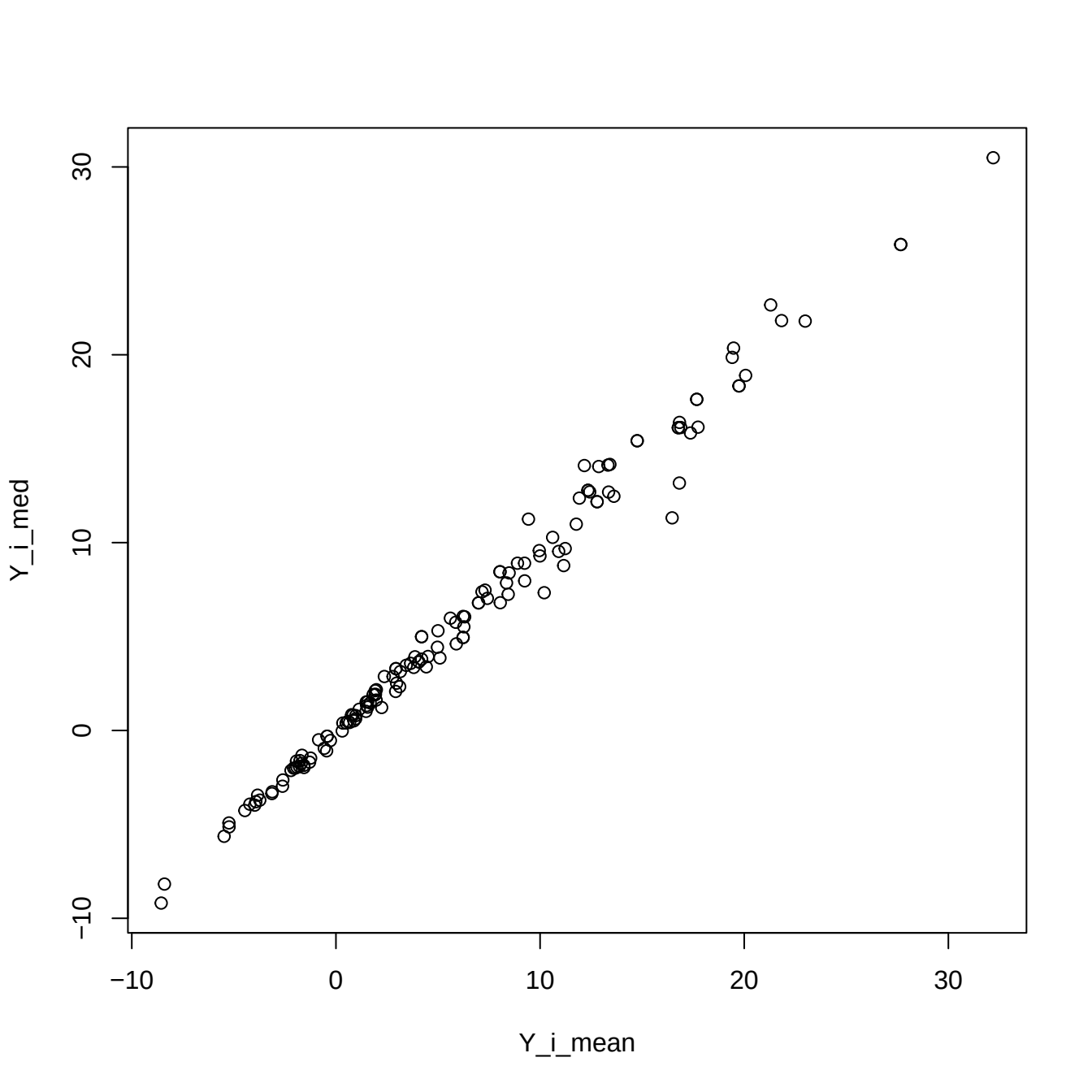
Design experiment 8 (replicates)

Scaled features, experiment 8



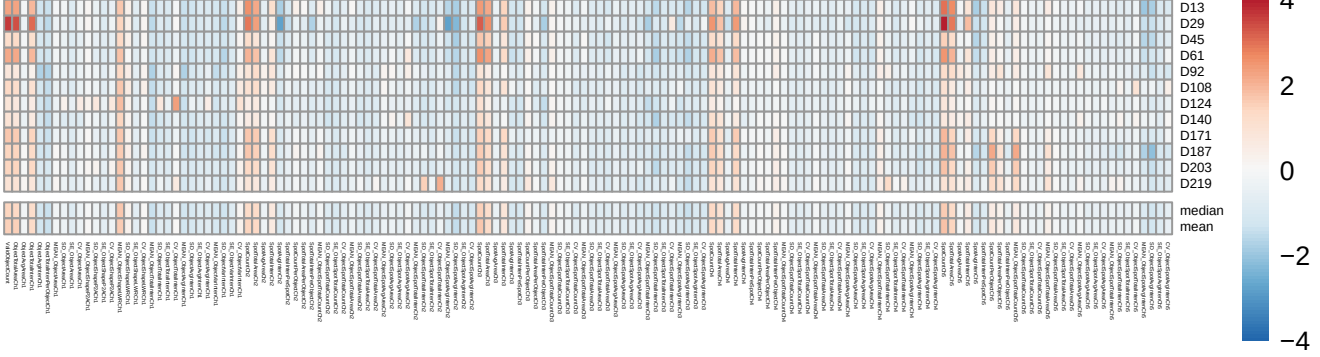
Measured features before scaling, experiment 8



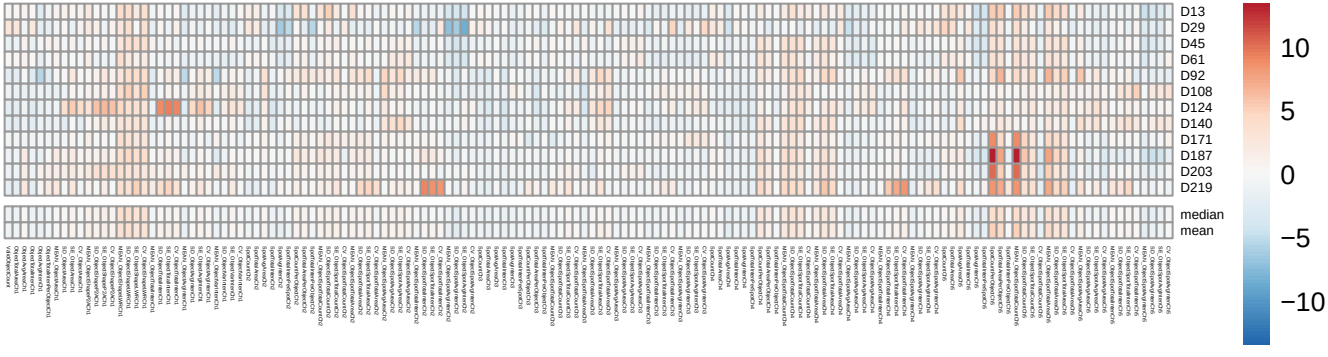

Y_i_med
Y_i_mean
30
20
10
0
−10
−10
0
10
20
30

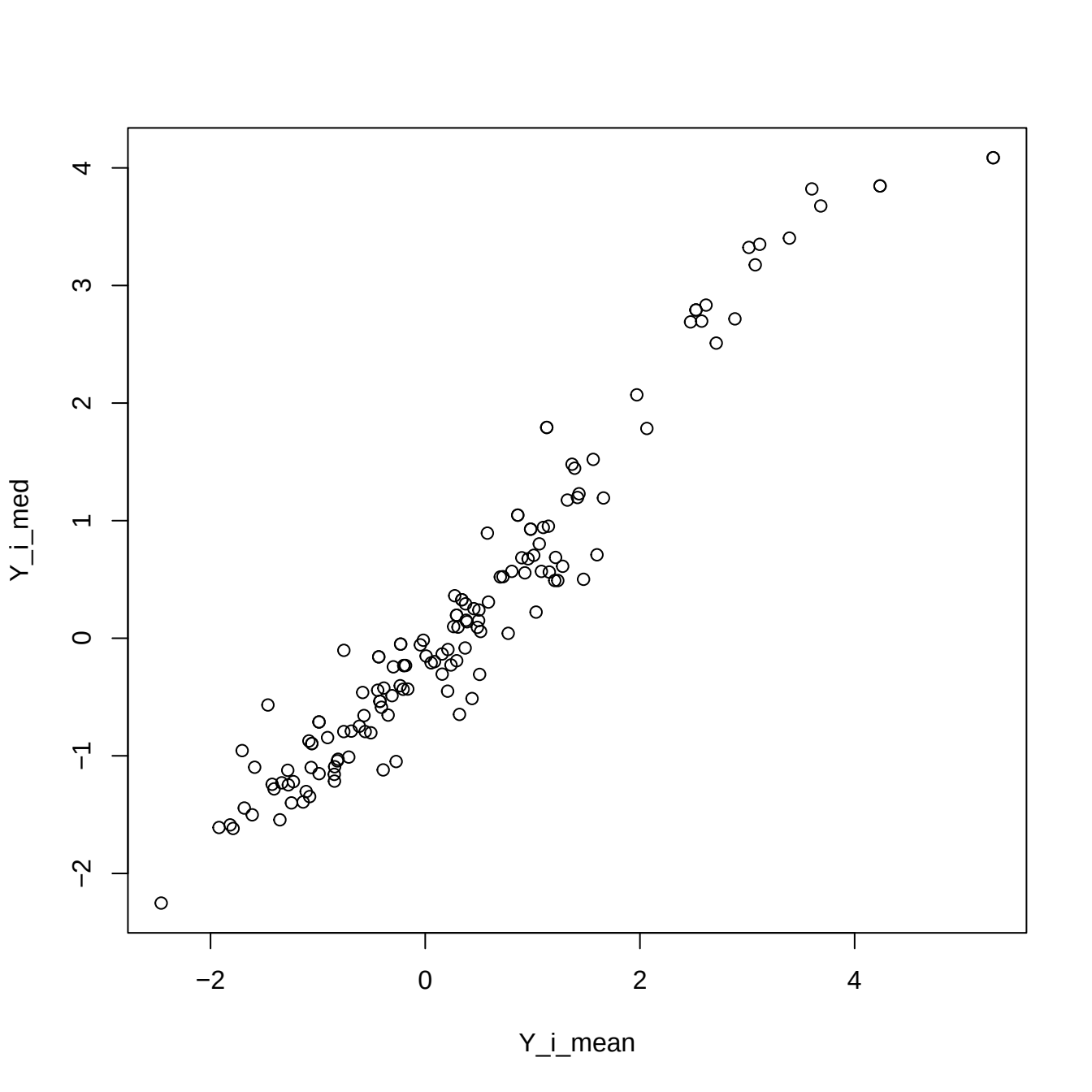
Design experiment 9 (replicates)

Scaled features, experiment 9



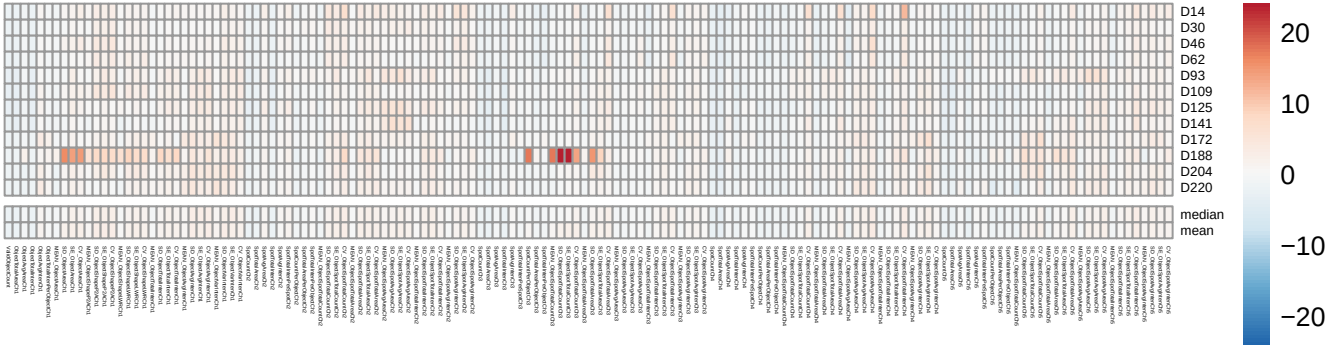
Measured features before scaling, experiment 9



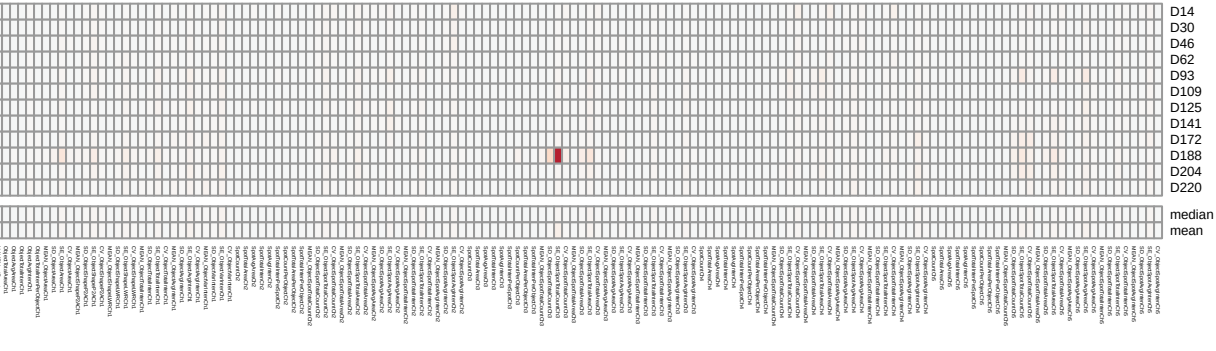

Y_i_med
Y_i_mean
−2
0
2
4
−2
−1
0
1
2
3
4

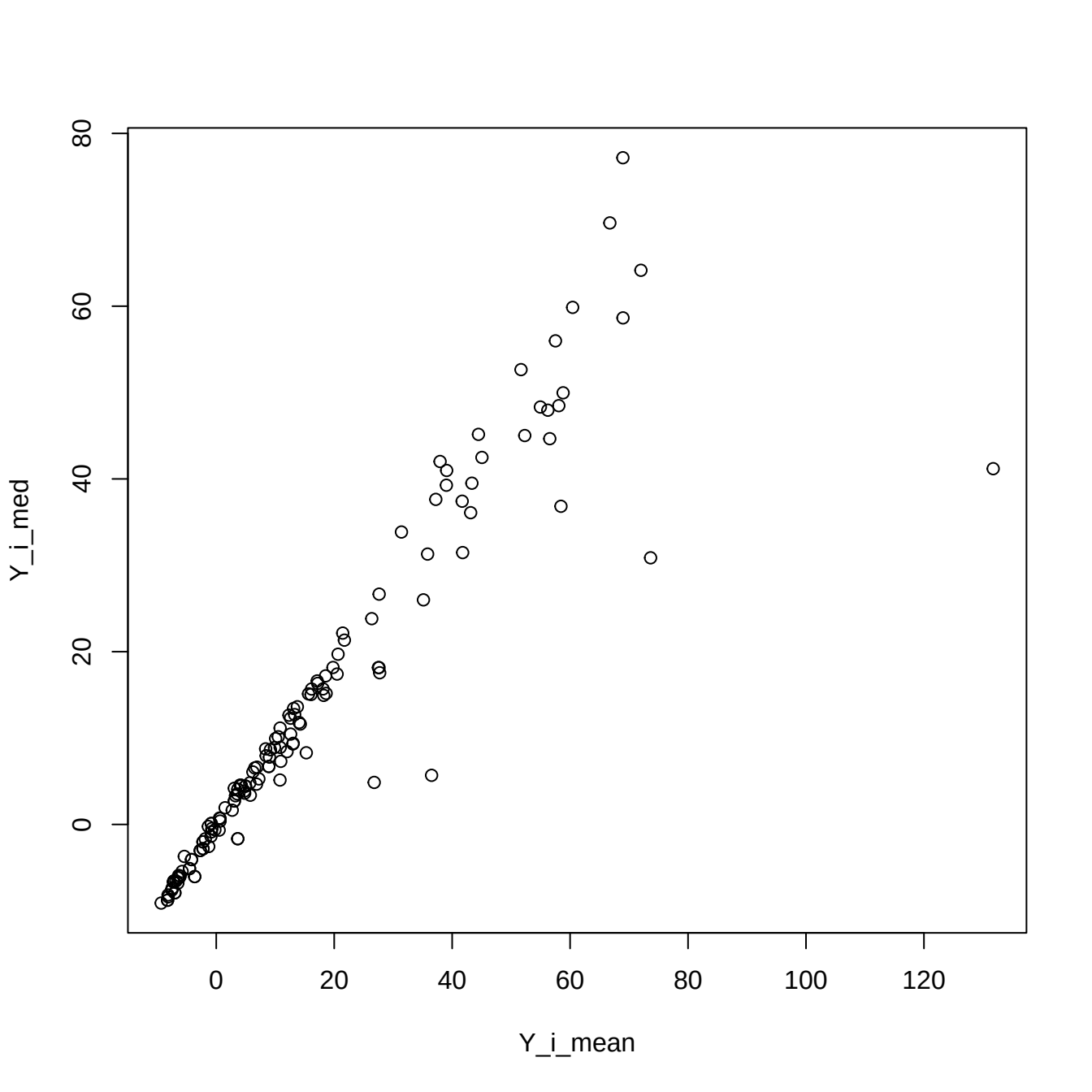
Design experiment 10 (replicates)

Scaled features, experiment 10



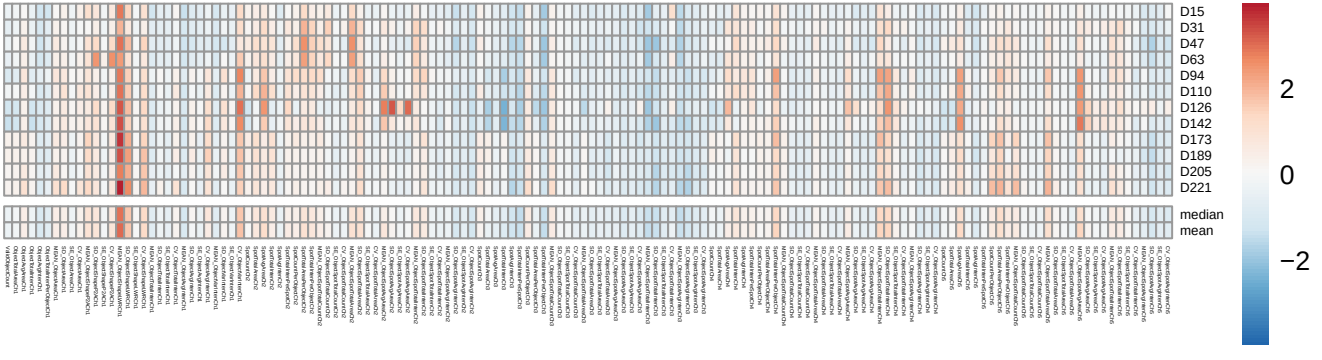
Measured features before scaling, experiment 10



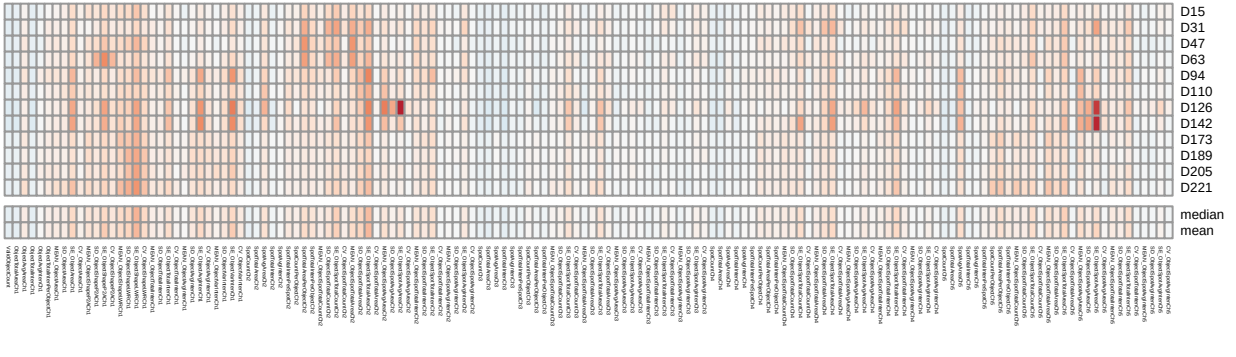

Y_i_med
Y_i_mean
0
20
40
60
80
100
120

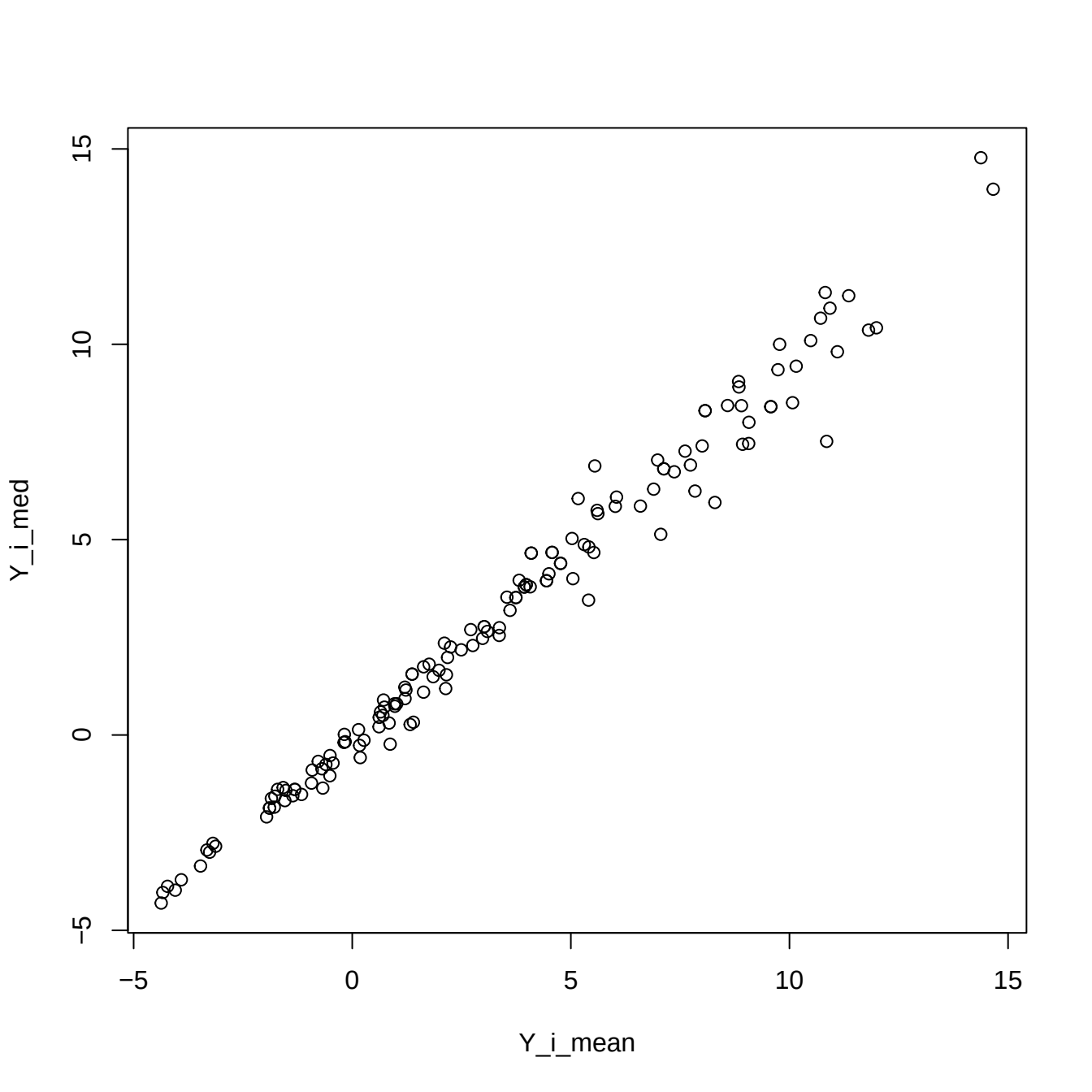
Design experiment 11 (replicates)

Scaled features, experiment 11



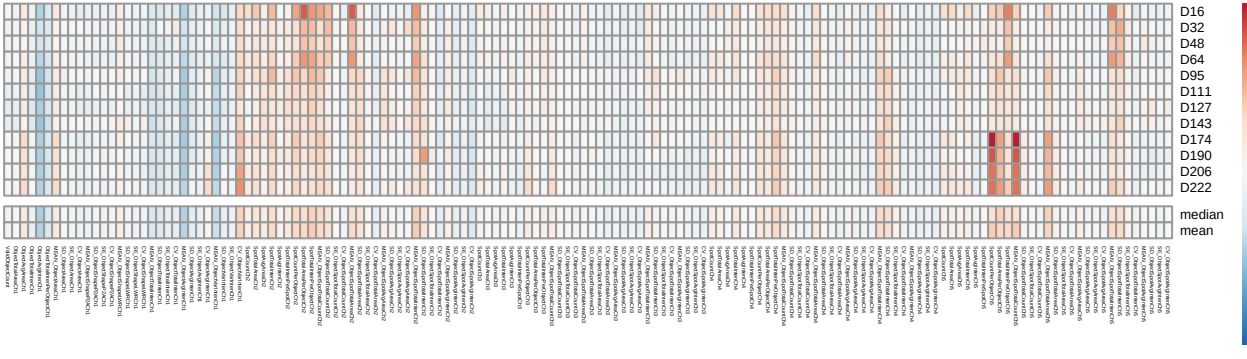
Measured features before scaling, experiment 11



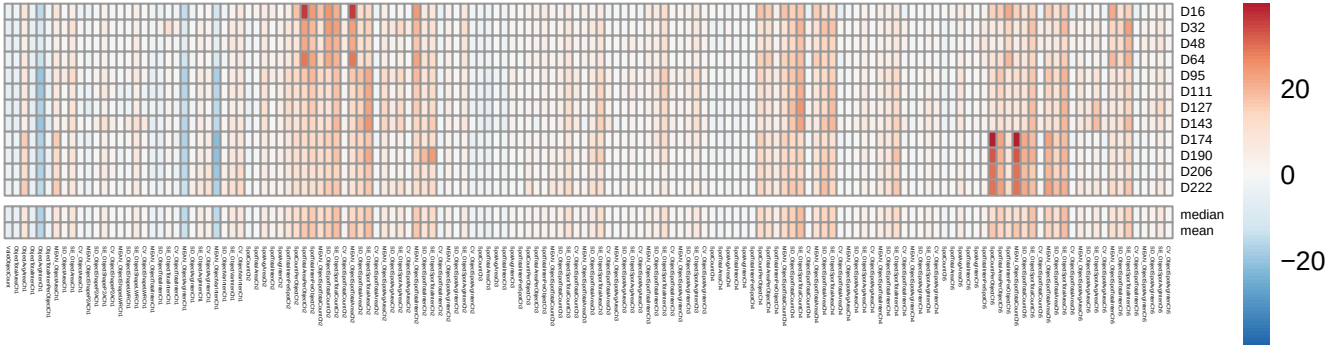

Y_i_med
Y_i_mean
15
10
5
0
−5
−5
0
5
10
15

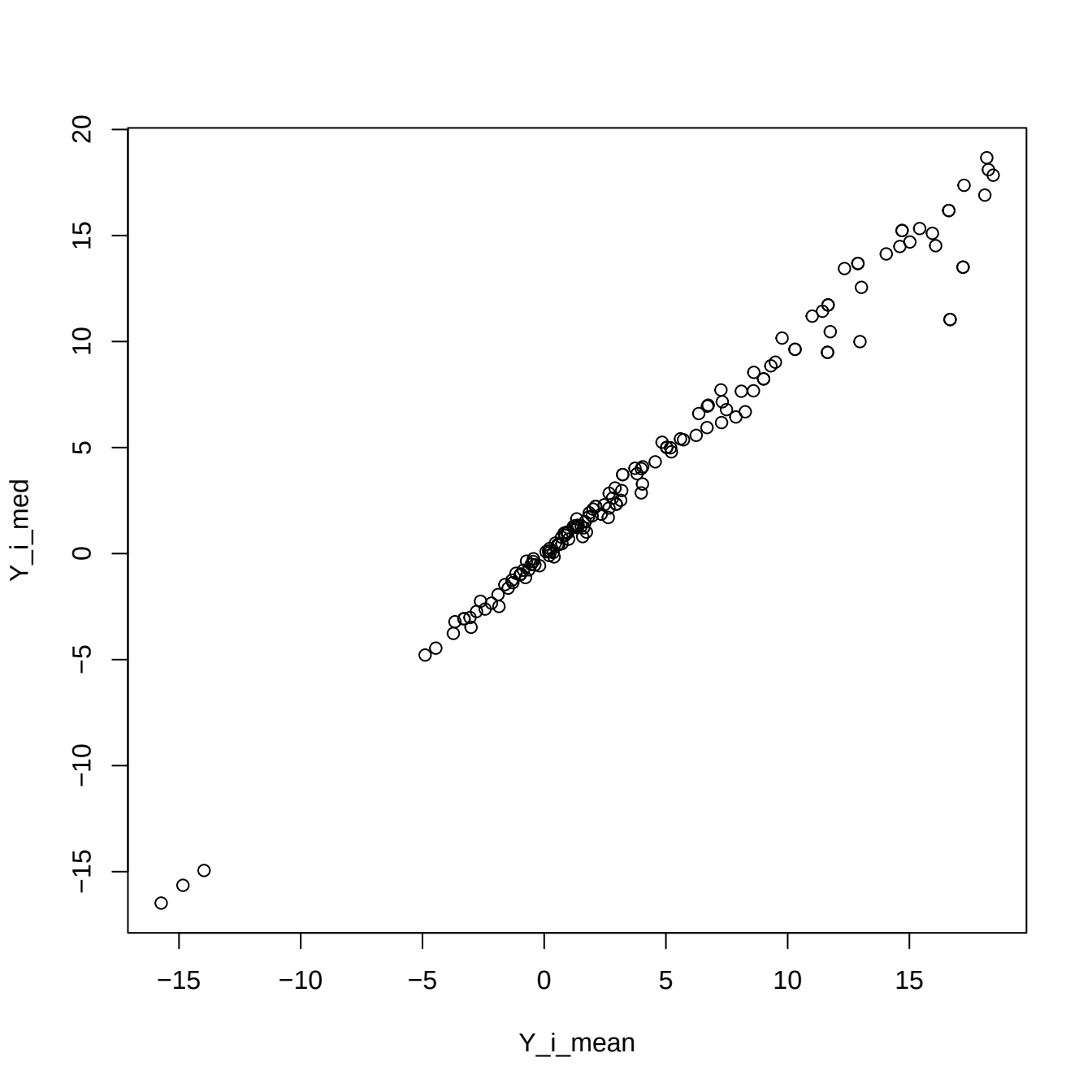
Design experiment 12 (replicates)

Scaled features, experiment 12



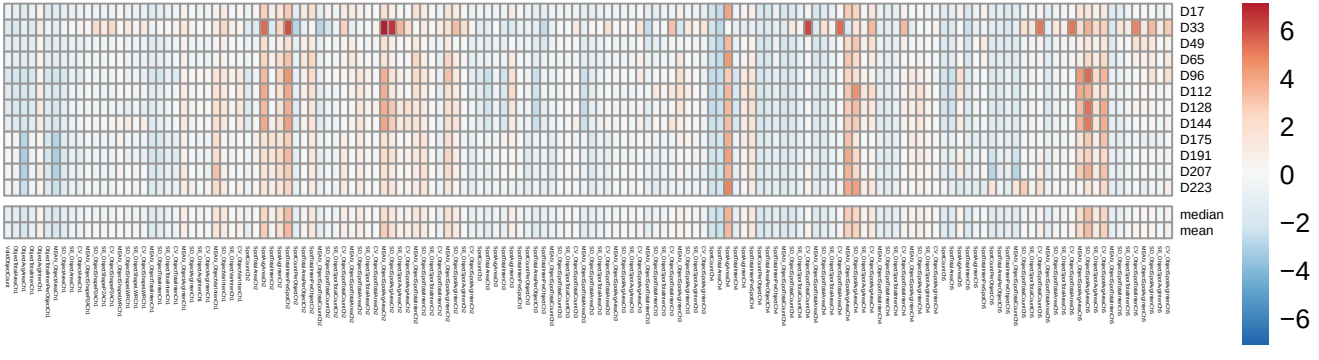
Measured features before scaling, experiment 12



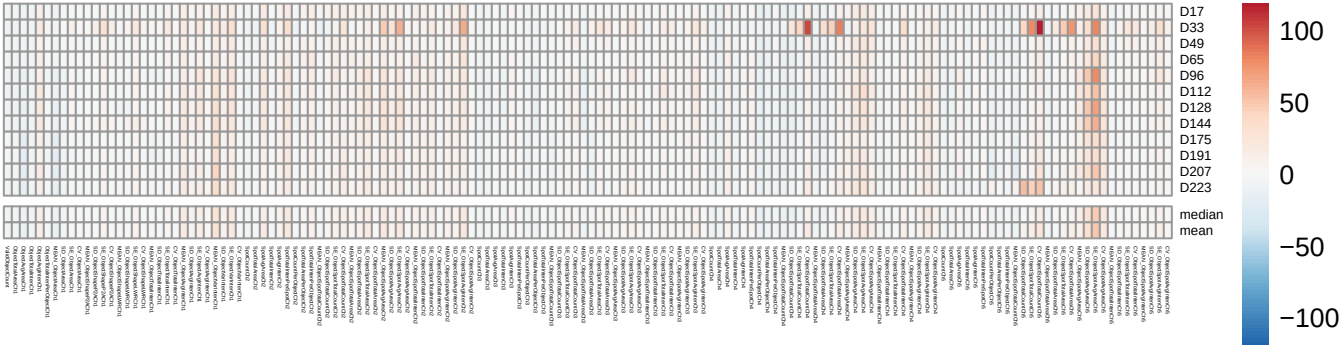

Y_i_med
Y_i_mean
20
15
10
5
0
−5
−10
−15
−15
−10
−5
0
5
10
15

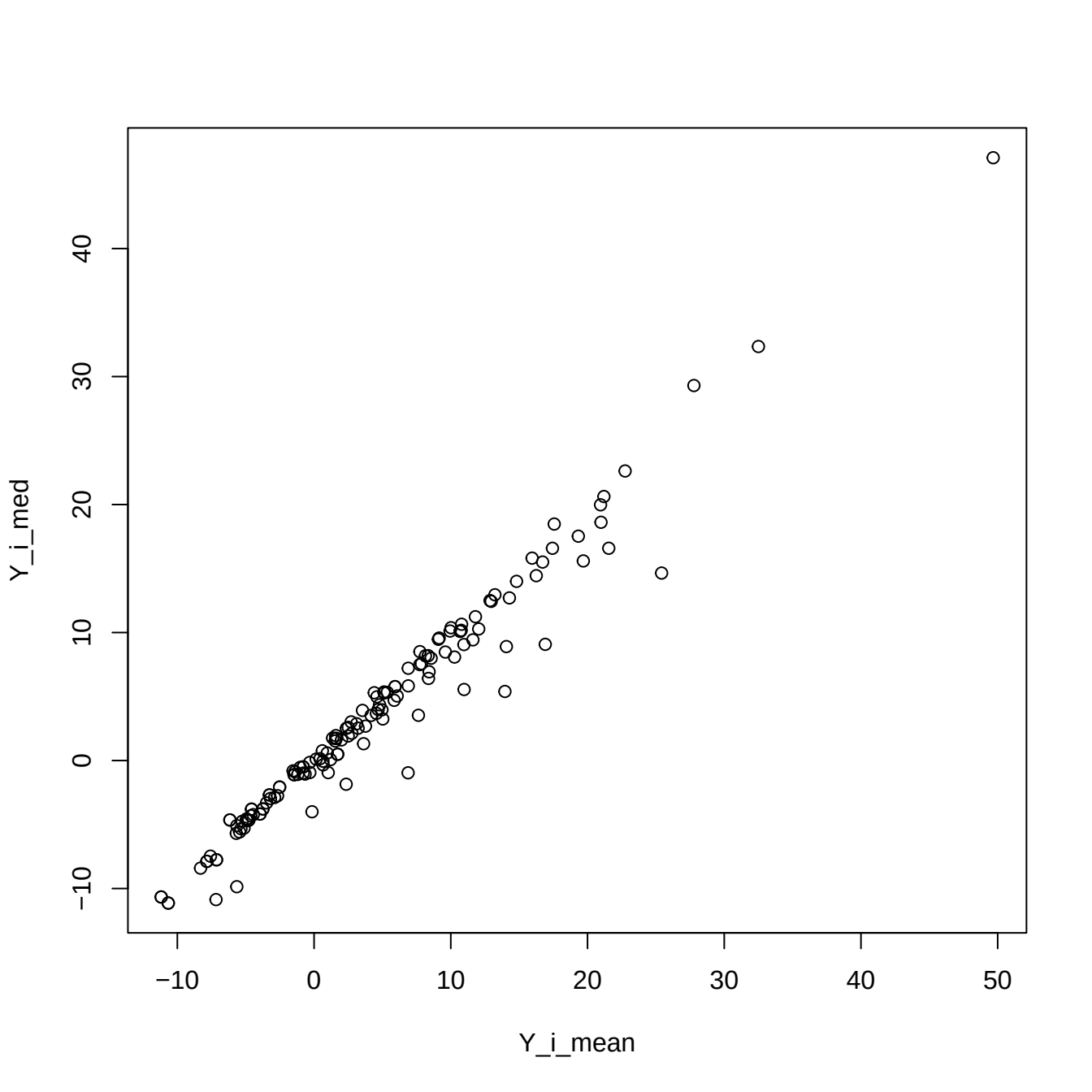
Design experiment 13 (replicates)

Scaled features, experiment 13



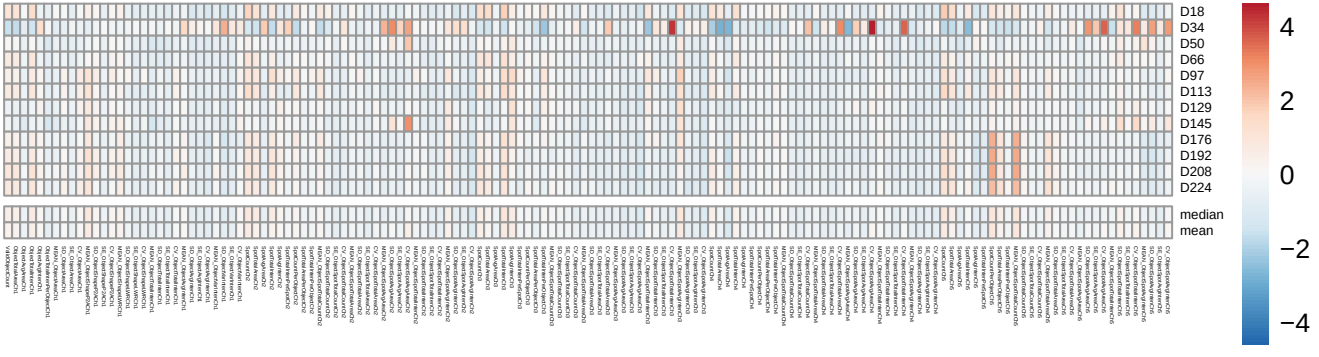
Measured features before scaling, experiment 13



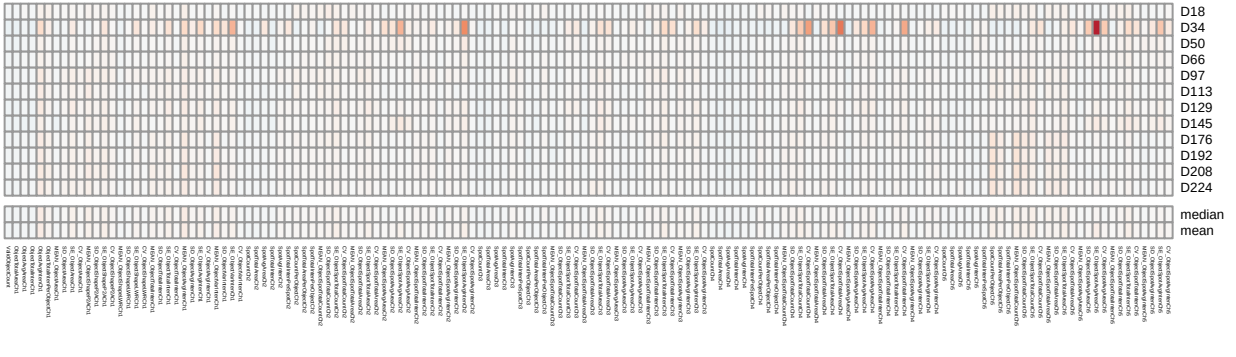

Y_i_med
Y_i_mean
−10
0
10
20
30
40
50

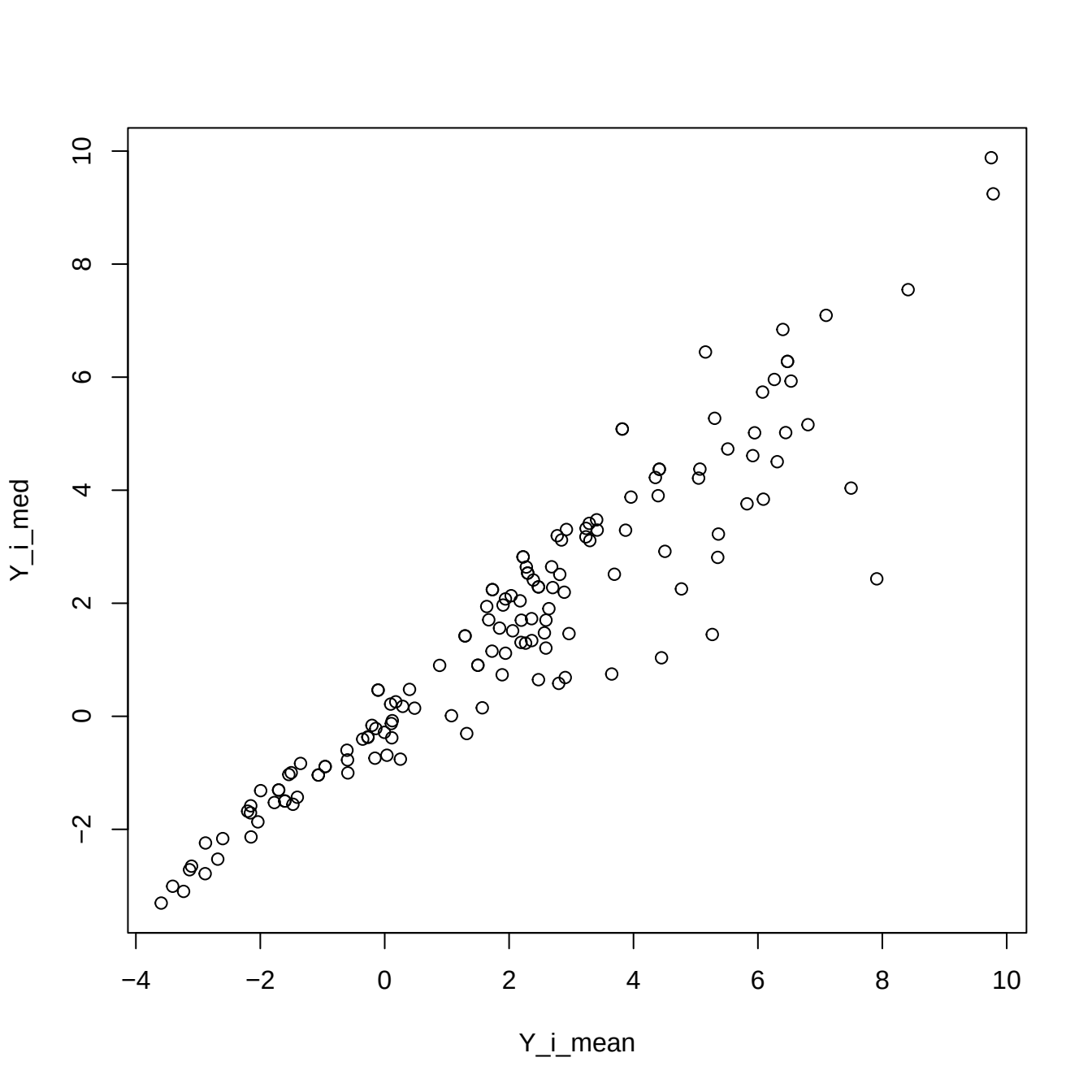
Design experiment 14 (replicates)

Scaled features, experiment 14



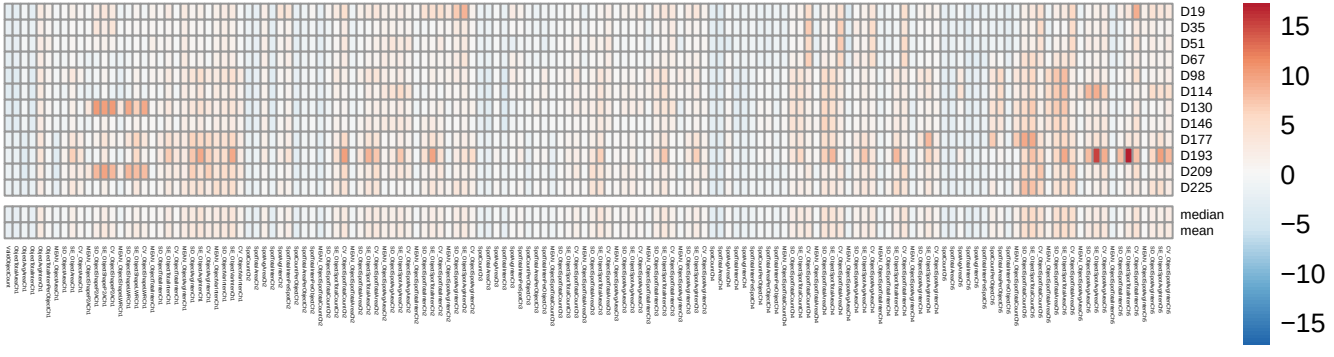
Measured features before scaling, experiment 14



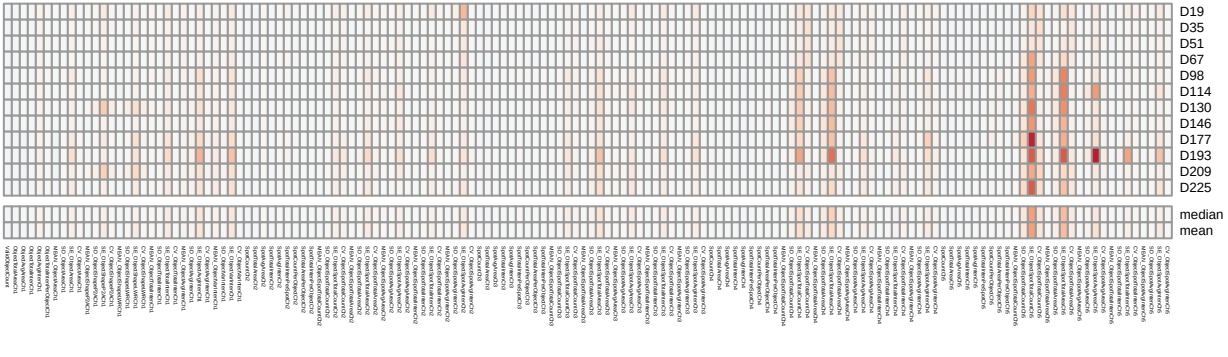

Y_i_med
Y_i_mean
10
8
6
4
2
0
−2
−4
−2
0
2
4
6
8
10

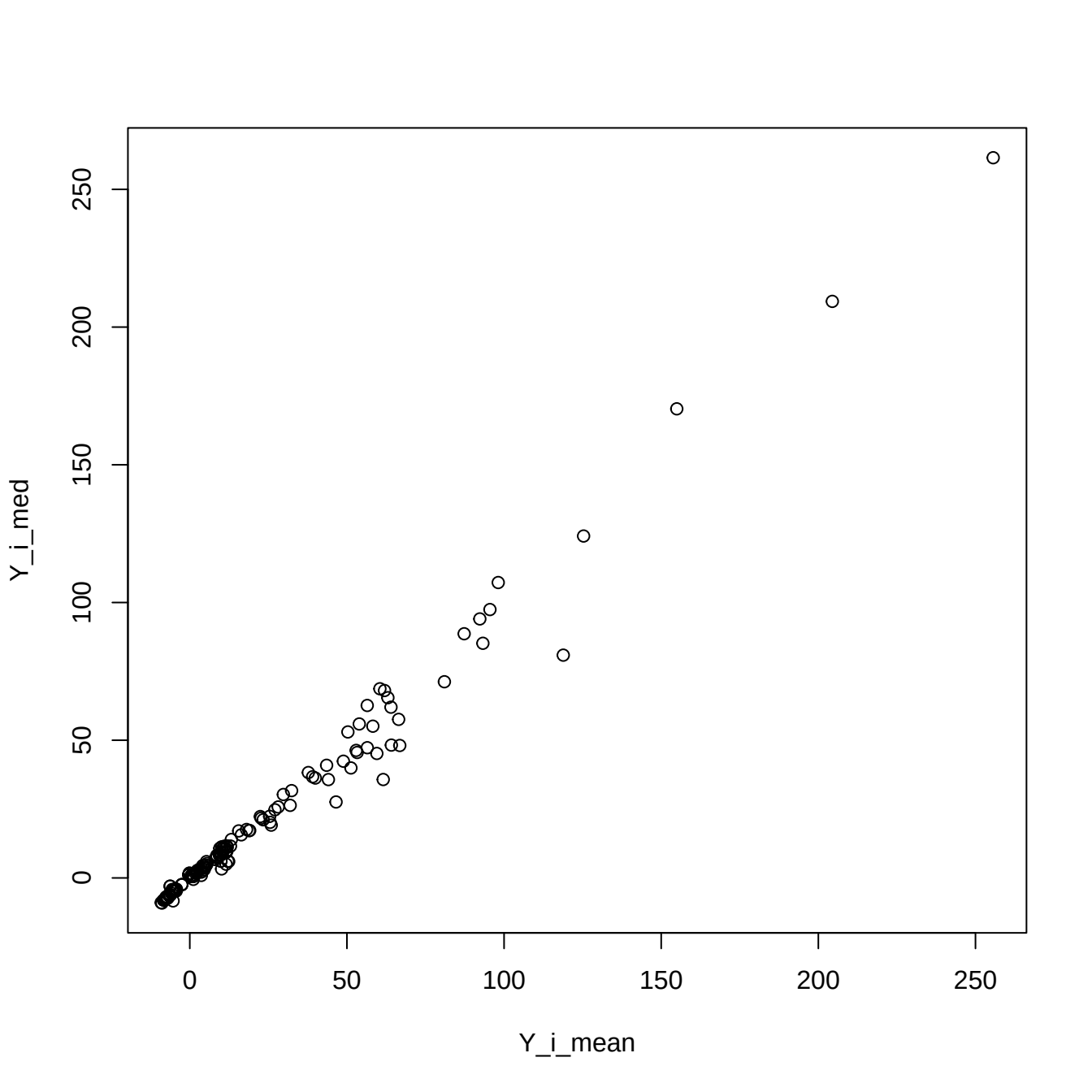
Design experiment 15 (replicates)

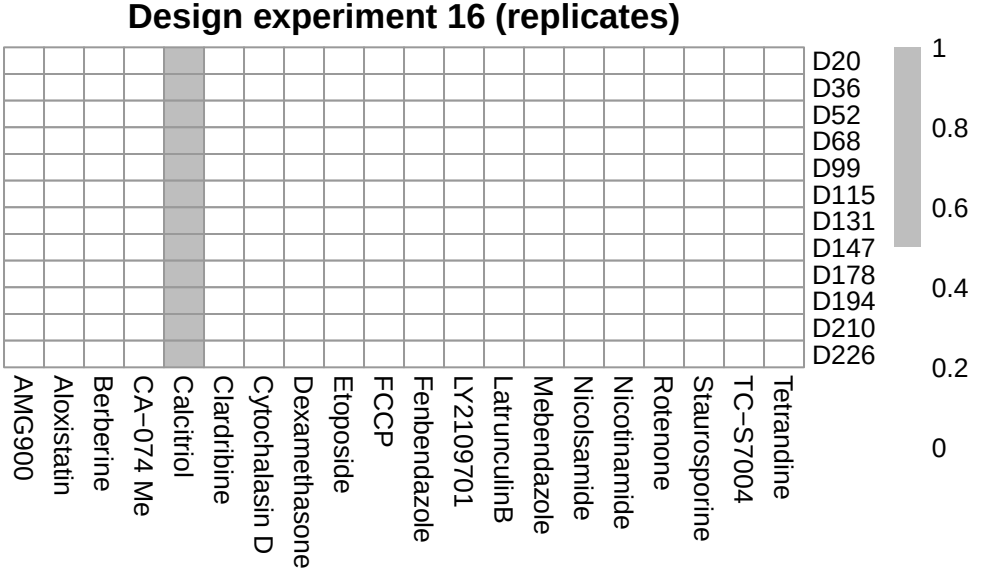
Scaled features, experiment 15



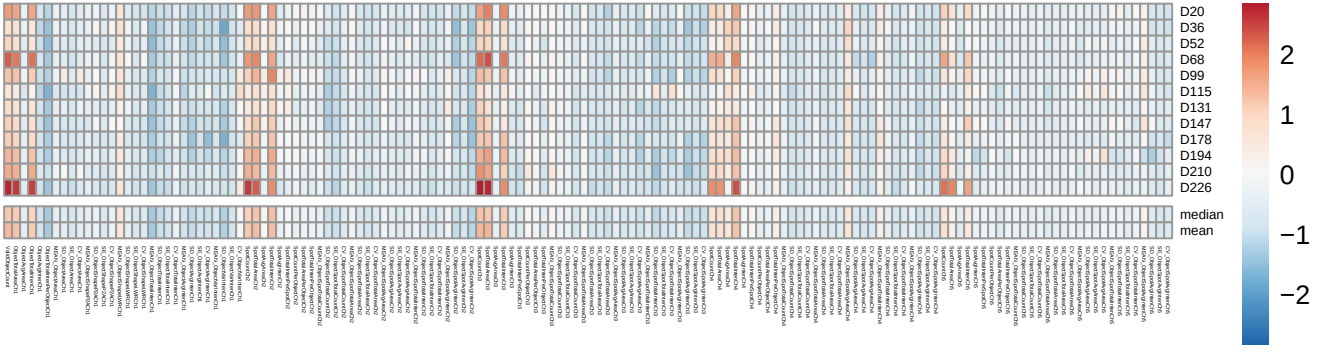
Measured features before scaling, experiment 15



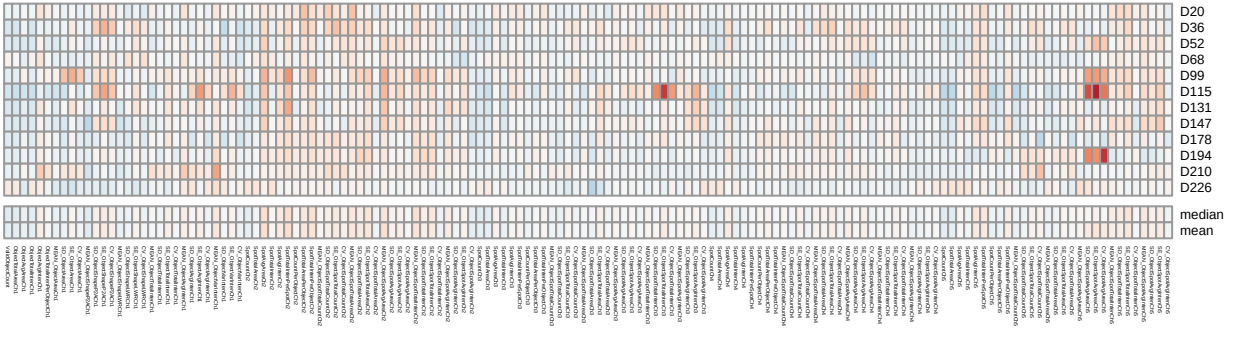

Y_i_med
Y_i_mean
0
50
100
150
200
250

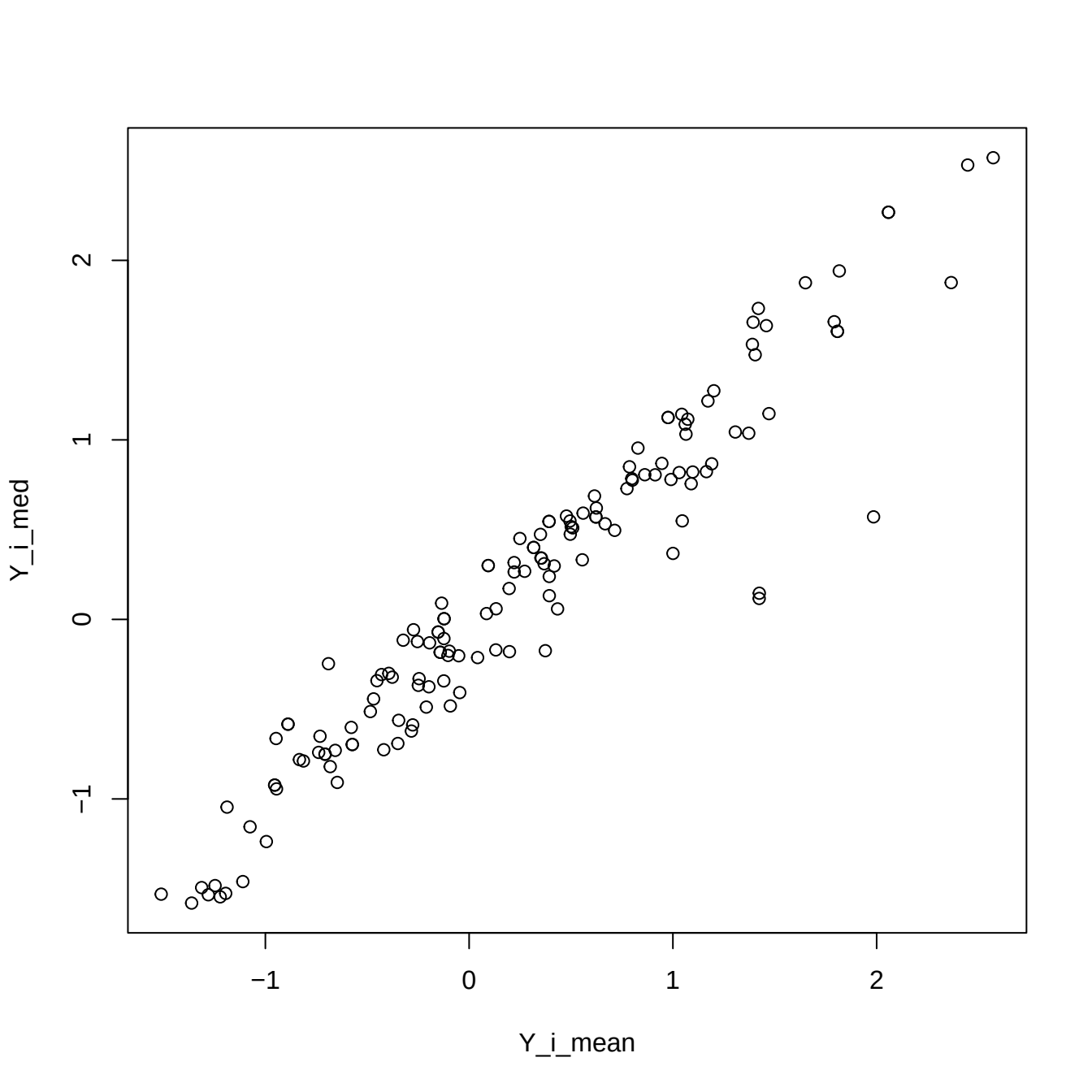

Design experiment 16 (replicates)
D20
D36
D52
D68
D99
D115
D131
D147
D178
D194
D210
D226
Tetrandine
TC−S7004
Staurosporine
Rotenone
Nicotinamide
Nicolsamide
Mebendazole
LatrunculinB
LY2109701
Fenbendazole
FCCP
Etoposide
Dexamethasone
Cytochalasin D
Clardribine
Calcitriol
CA−074 Me
Berberine
Aloxistatin
AMG900
1
0.8
0.6
0.4
0.2
0

Scaled features, experiment 16



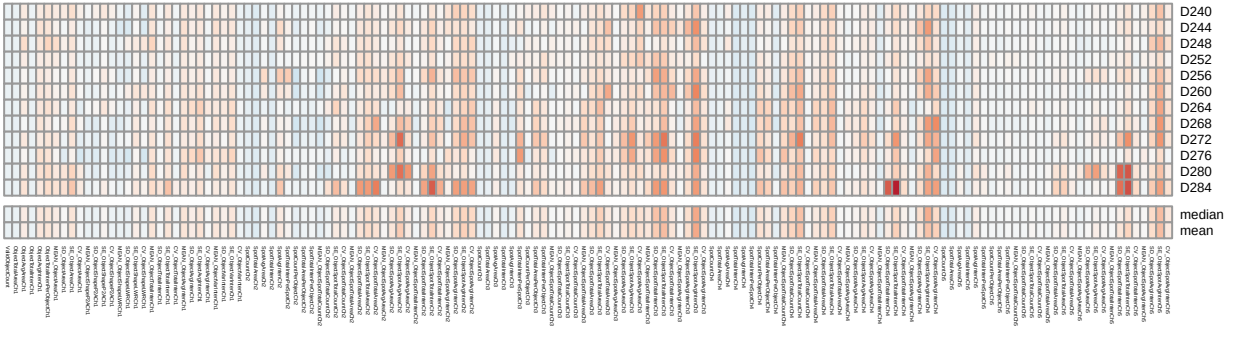
Measured features before scaling, experiment 16



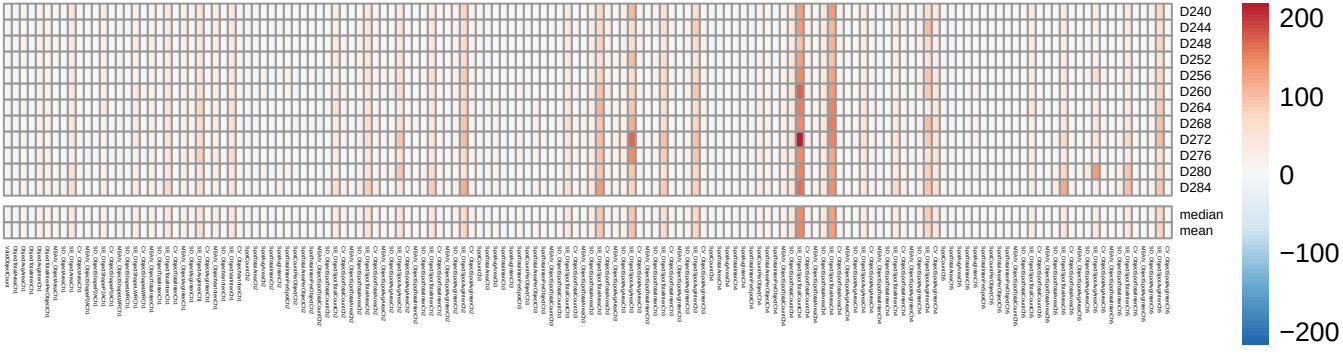

Y_i_med
Y_i_mean
−1
0
1
2
−1
0
1
2

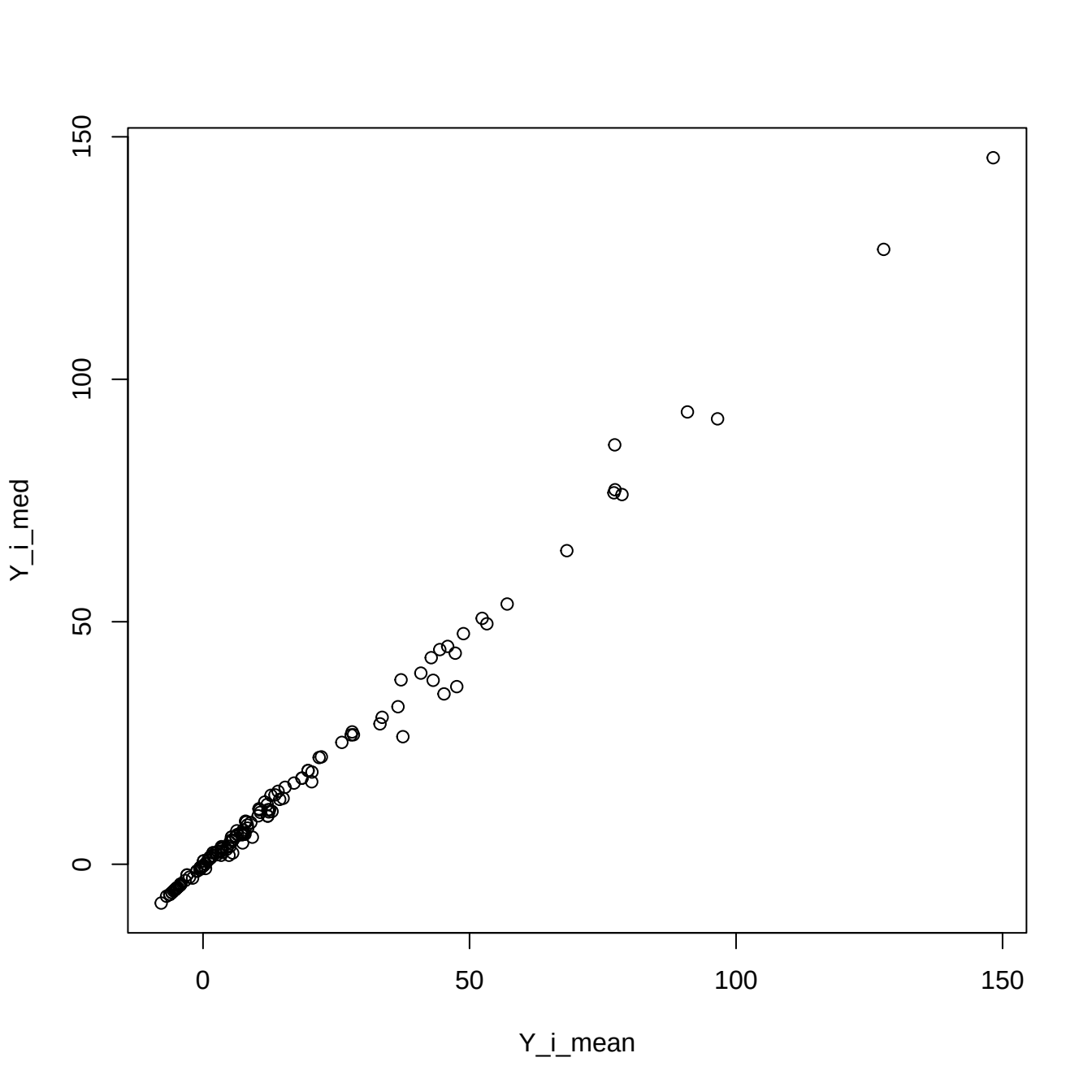
Design experiment 17 (replicates)

Scaled features, experiment 17



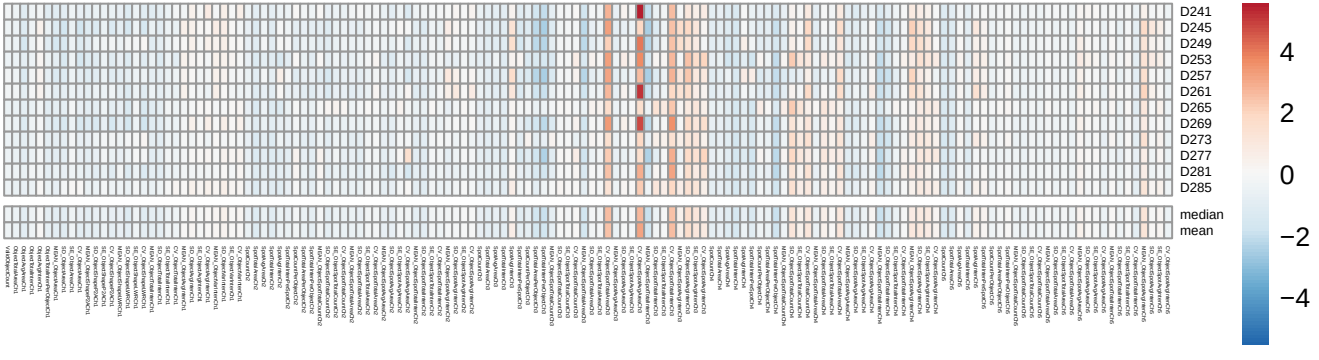
Measured features before scaling, experiment 17



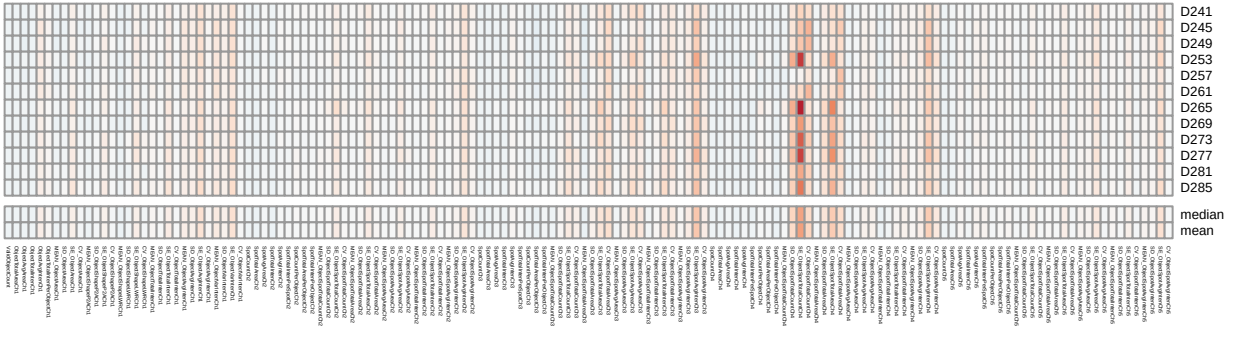

Y_i_med
Y_i_mean
0
50
100
150
0
50
100
150

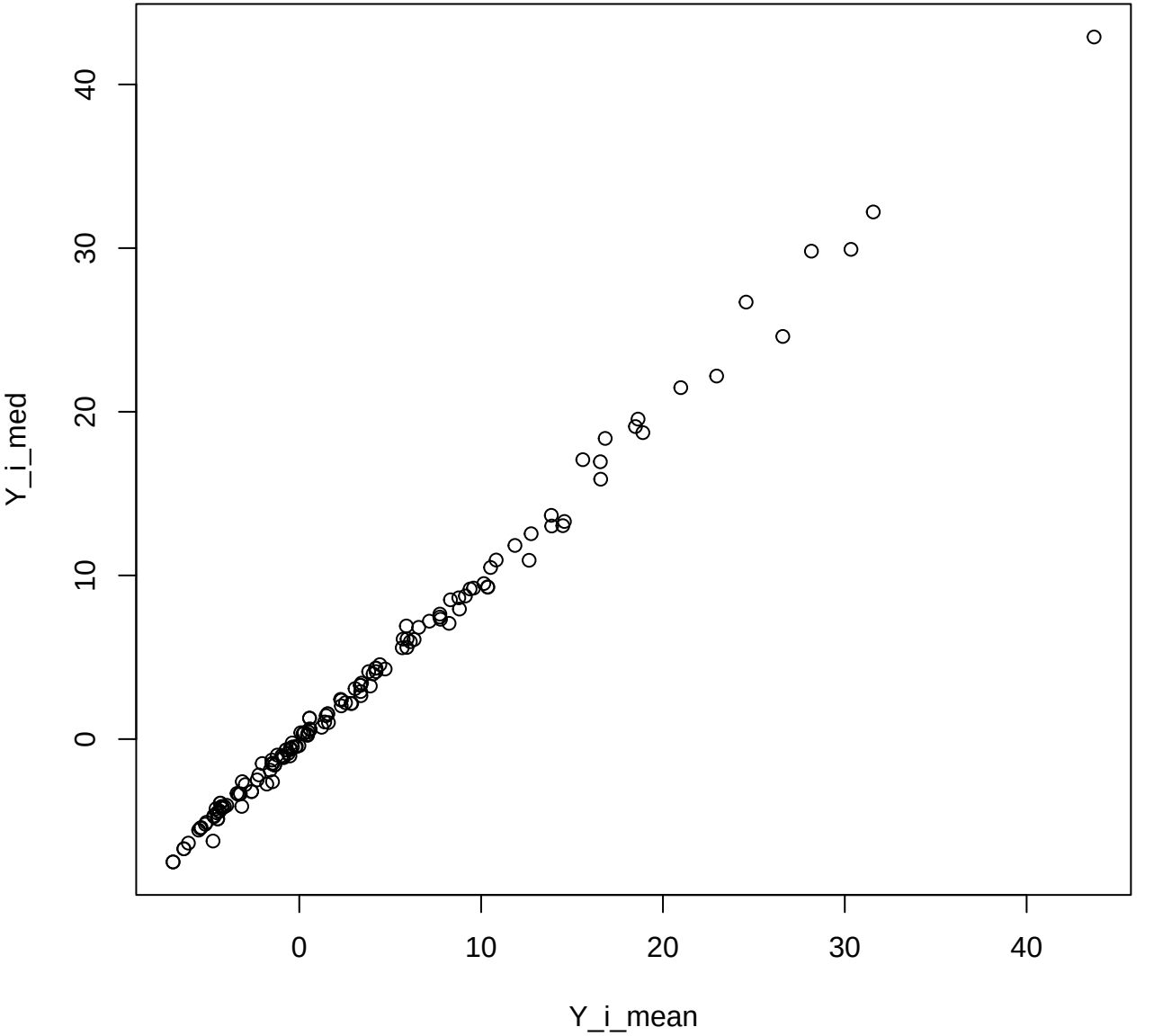
Design experiment 18 (replicates)

Scaled features, experiment 18



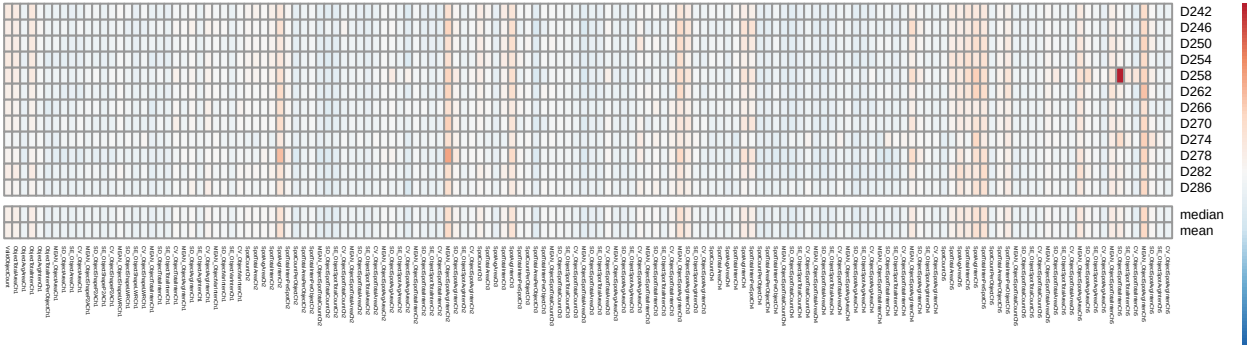
Measured features before scaling, experiment 18



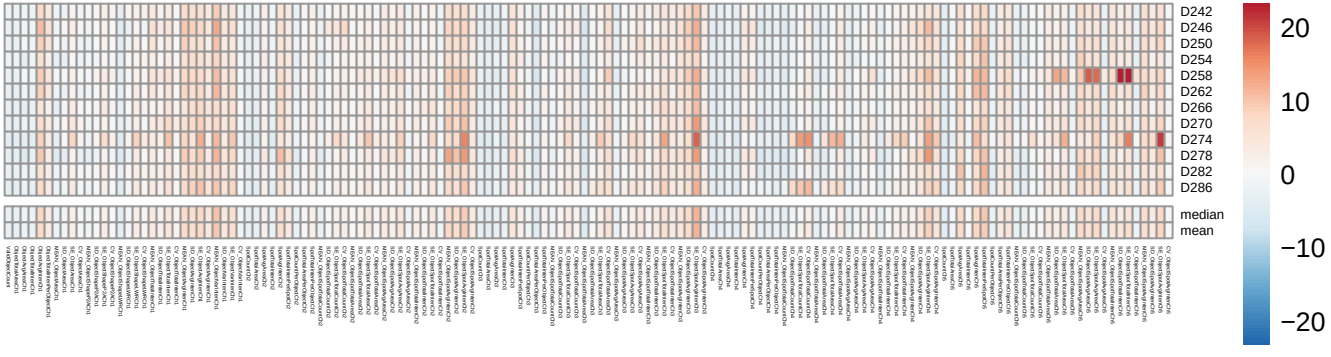

Y_i_med
Y_i_mean
0
10
20
30
40
0
10
20
30
40

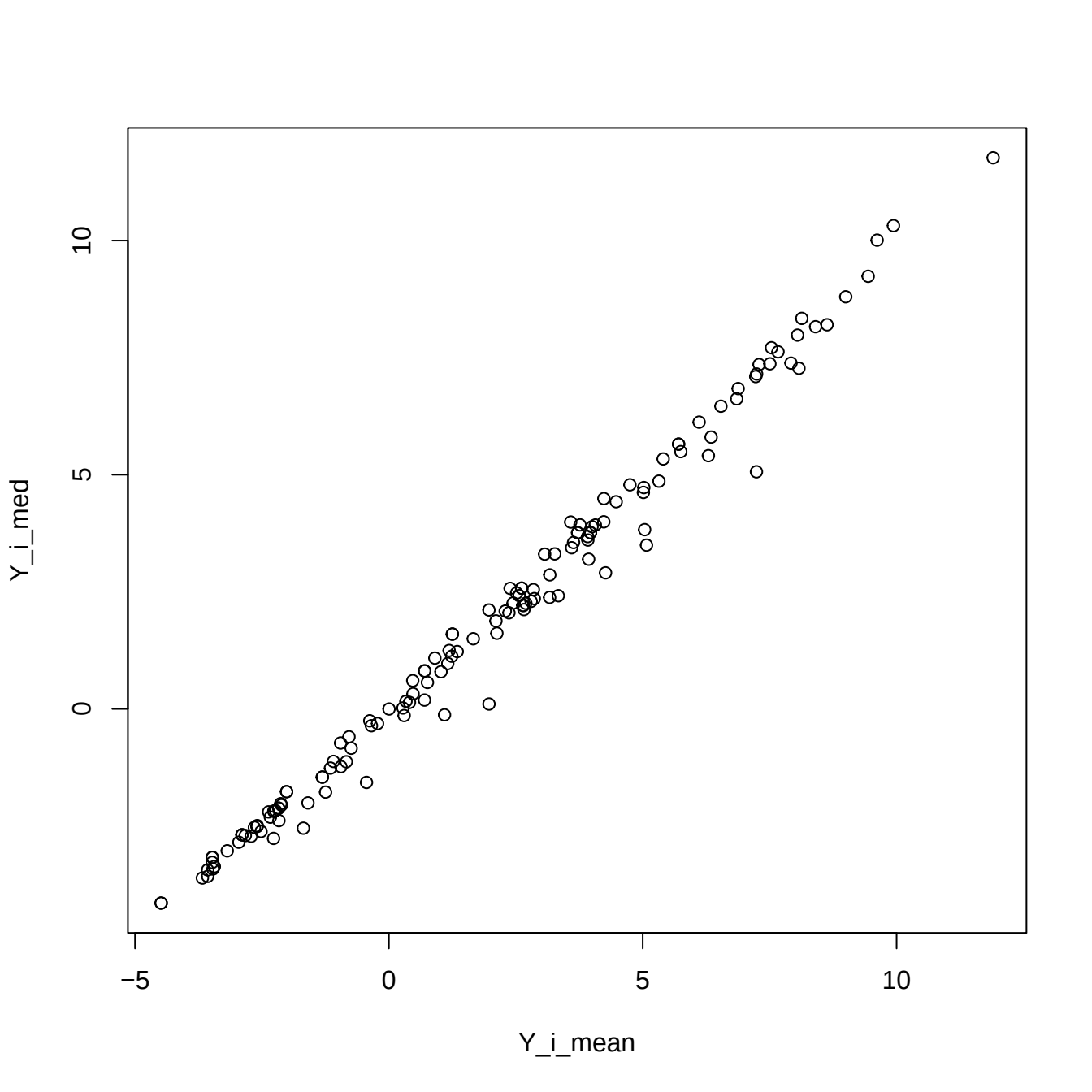
Design experiment 19 (replicates)

Scaled features, experiment 19



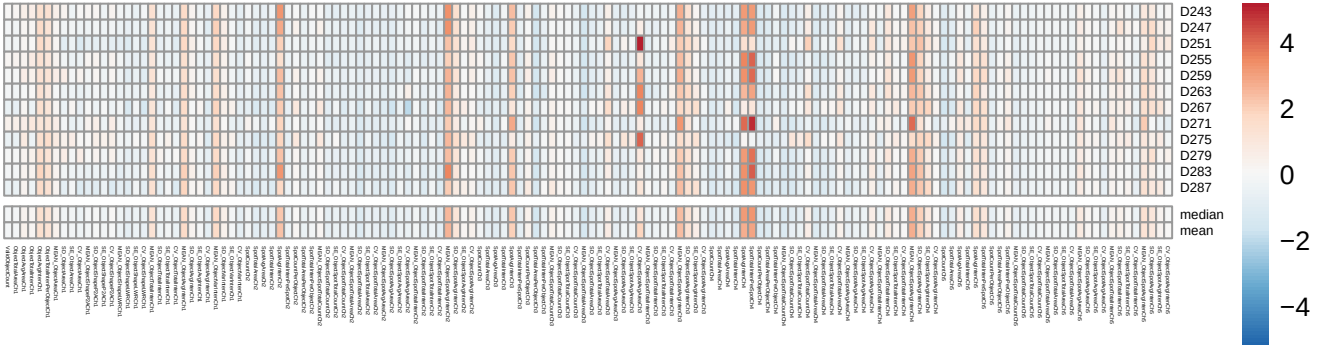
Measured features before scaling, experiment 19



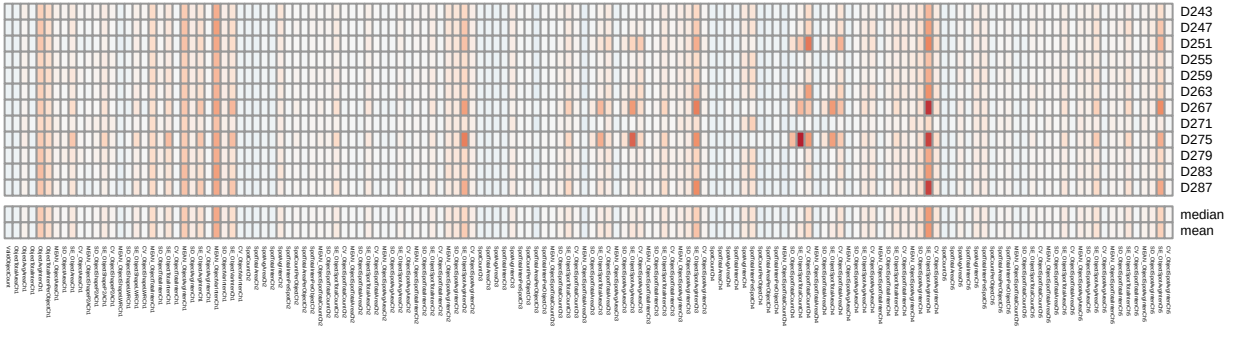

Y_i_med
10
5
0
−5
0
5
10
Y_i_mean

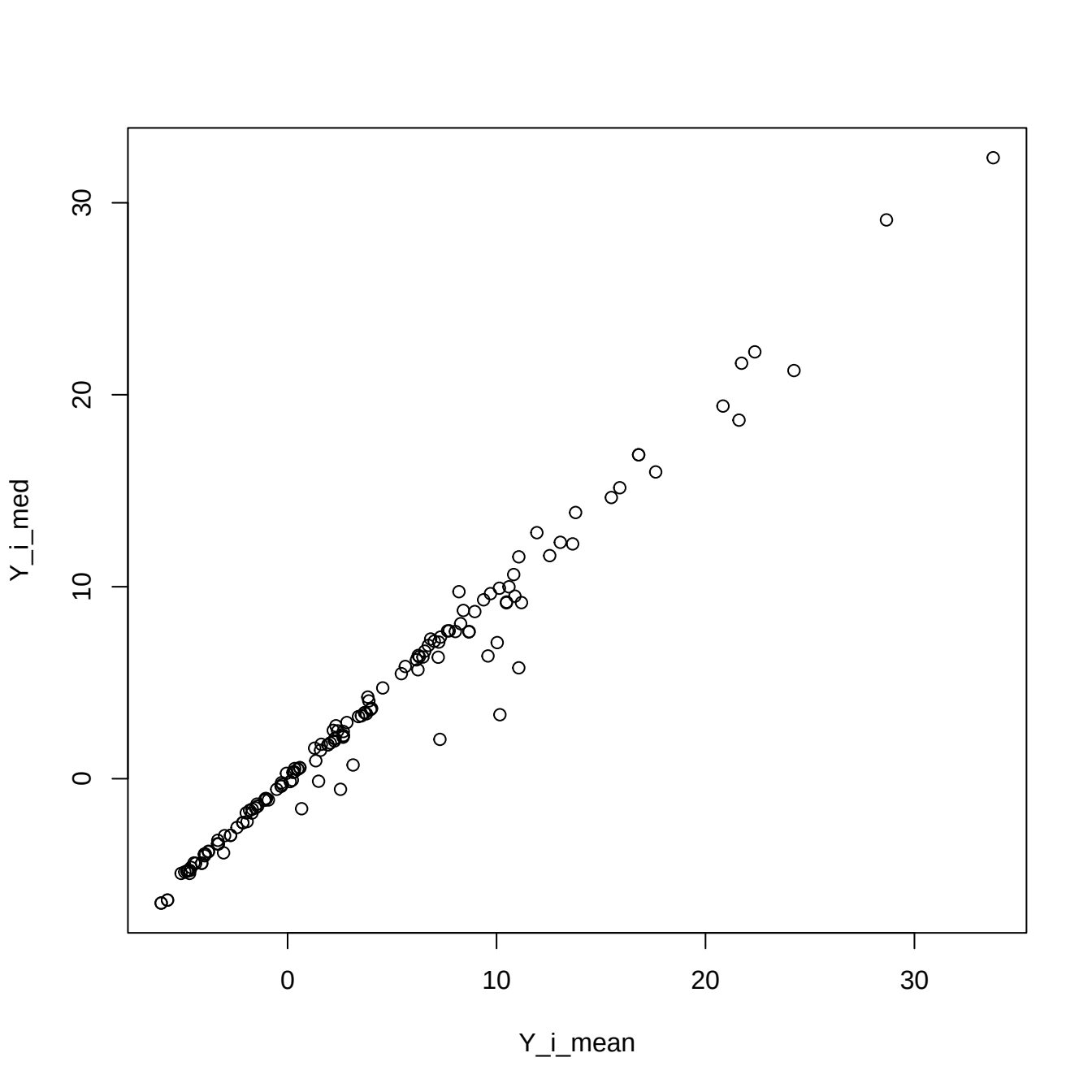
Design experiment 20 (replicates)

Scaled features, experiment 20



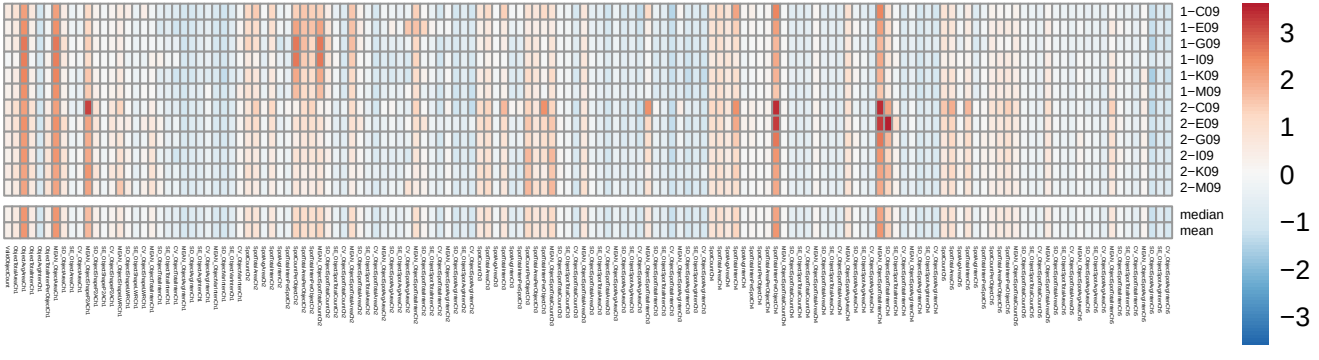
Measured features before scaling, experiment 20



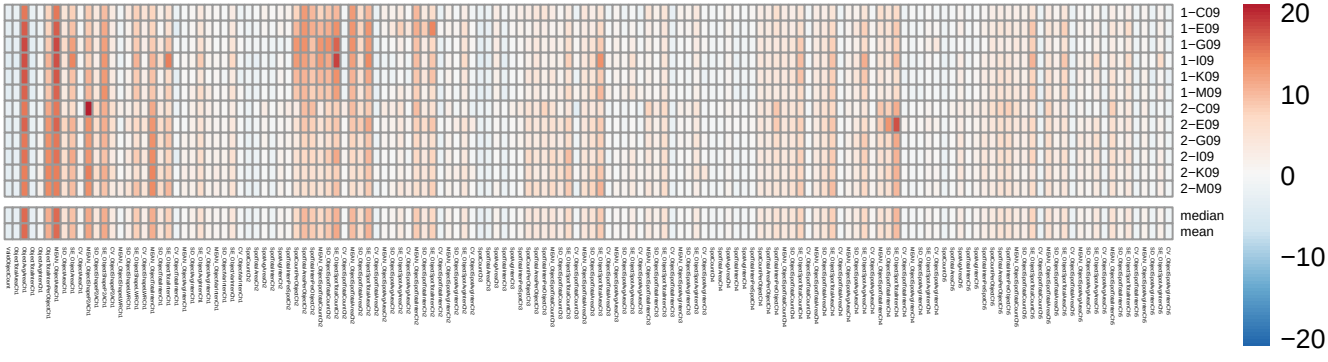

Y_i_med
Y_i_mean
0
10
20
30
0
10
20
30

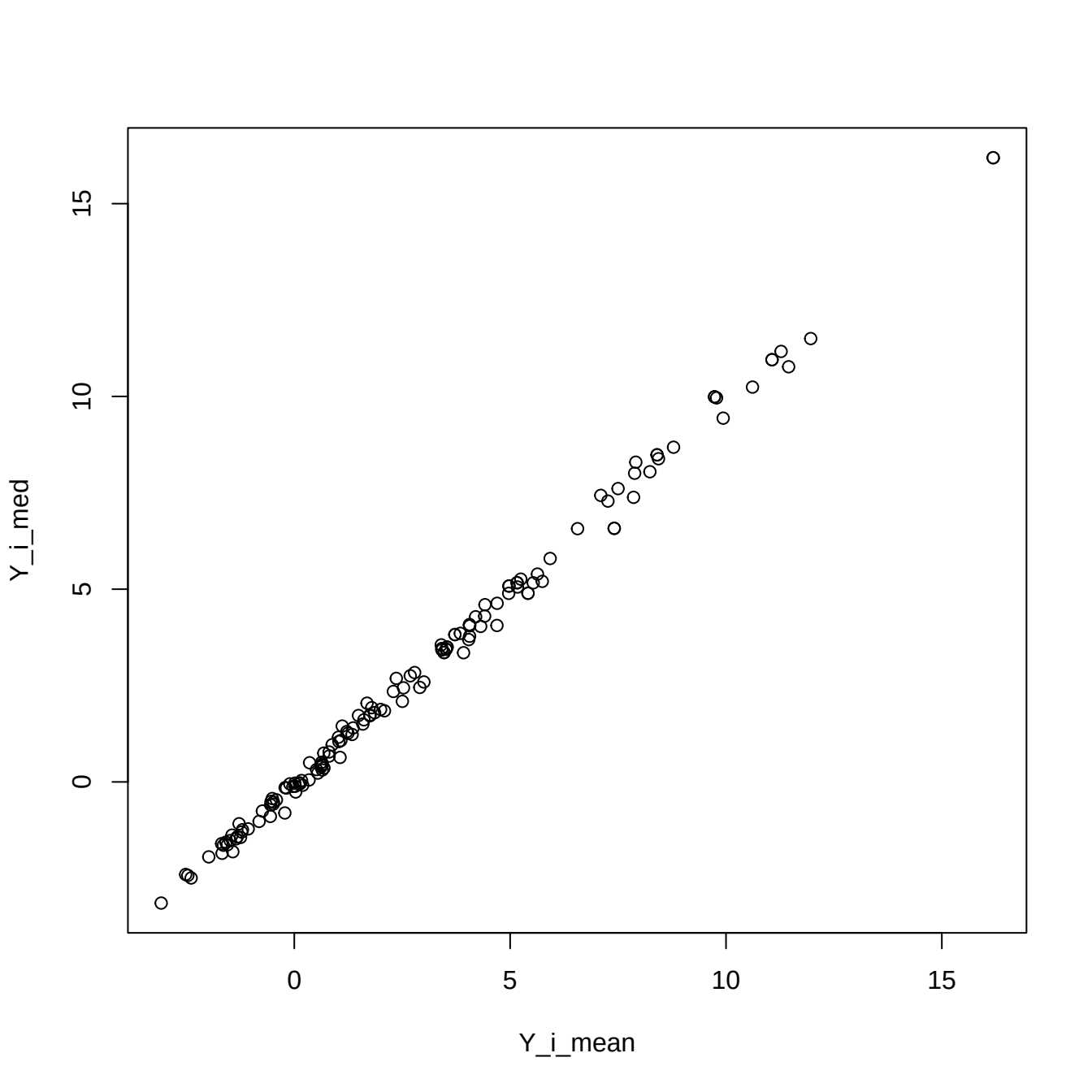
Design experiment 21 (replicates)

Scaled features, experiment 21



Measured features before scaling, experiment 21

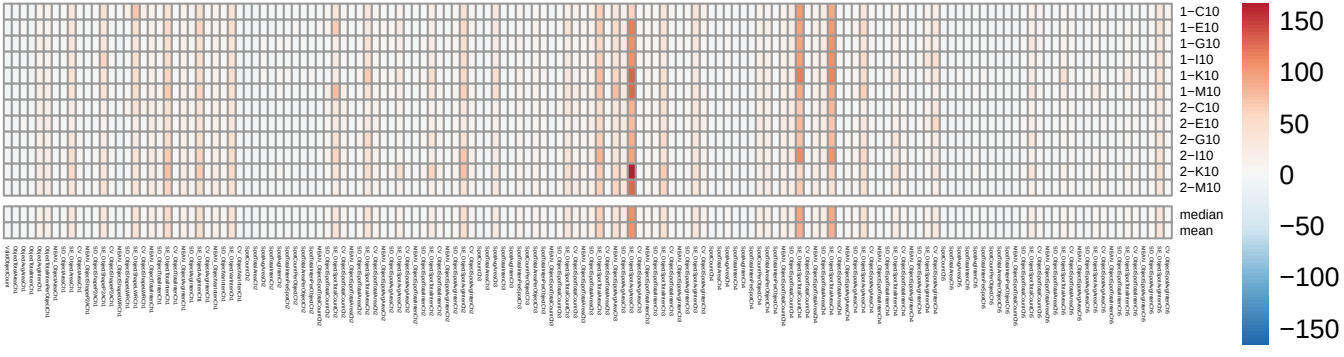


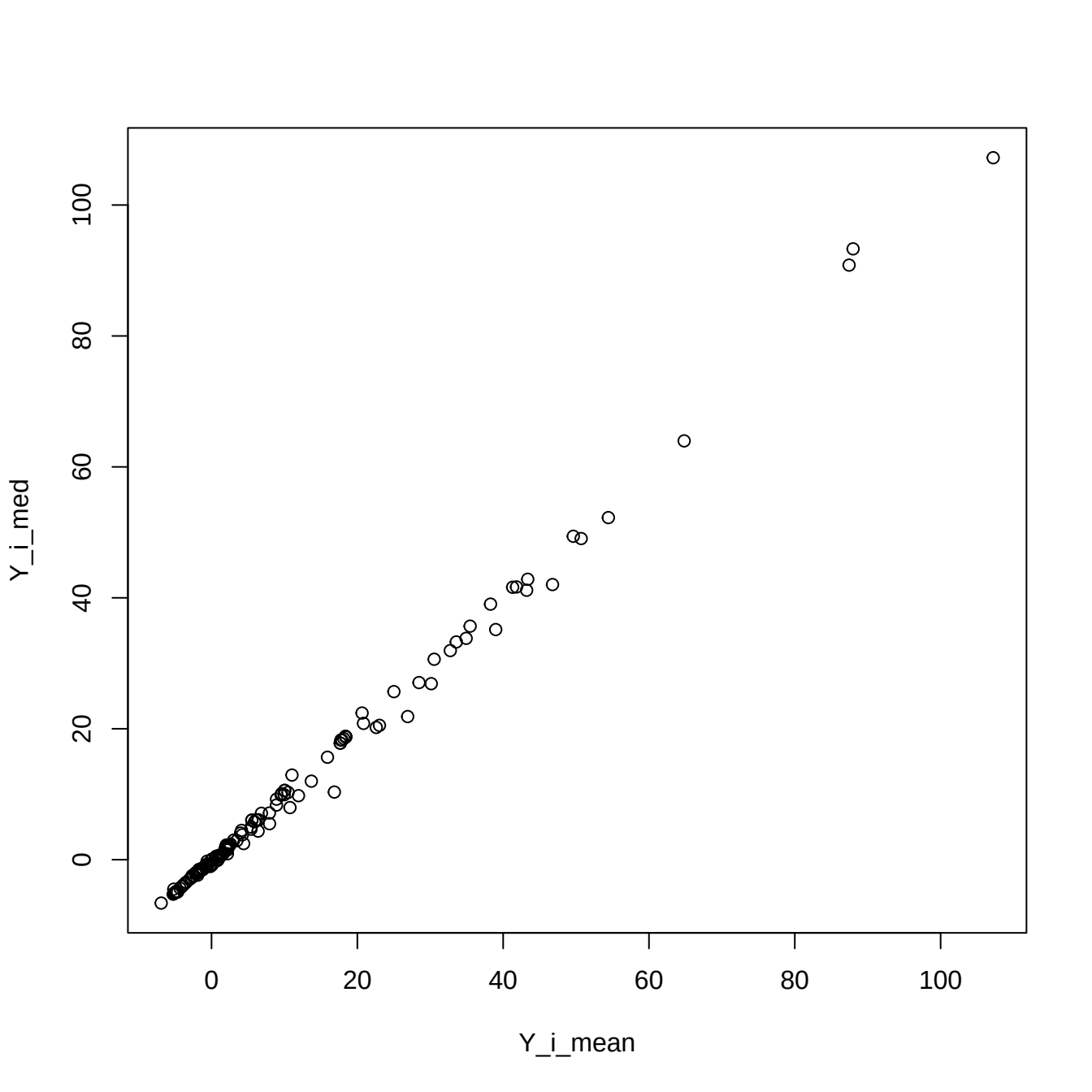

Y_i_med
Y_i_mean
0
5
10
15
0
5
10
15

Design experiment 22 (replicates)

Scaled features, experiment 22

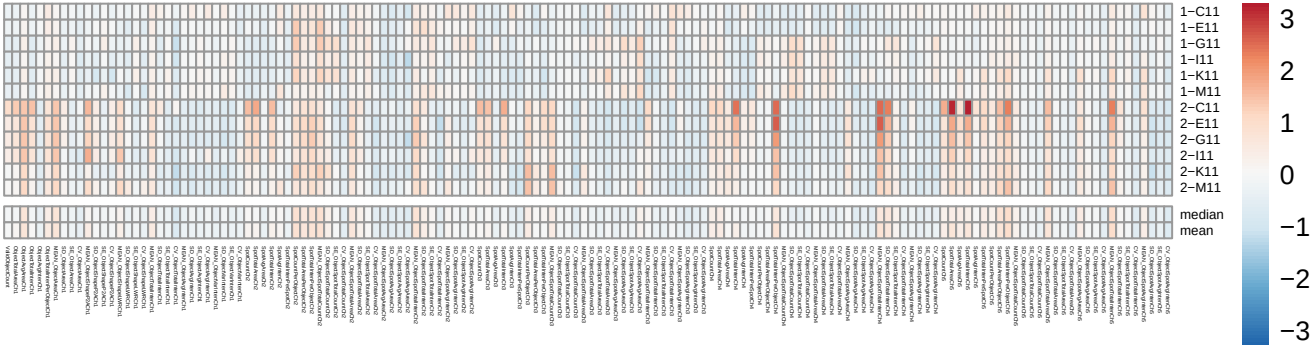
Measured features before scaling, experiment 22



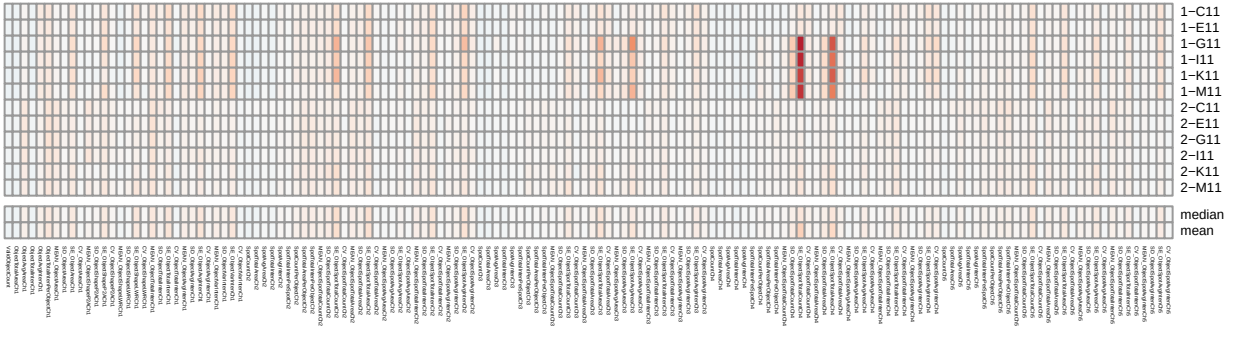

Y_i_med
Y_i_mean
0
20
40
60
80
100

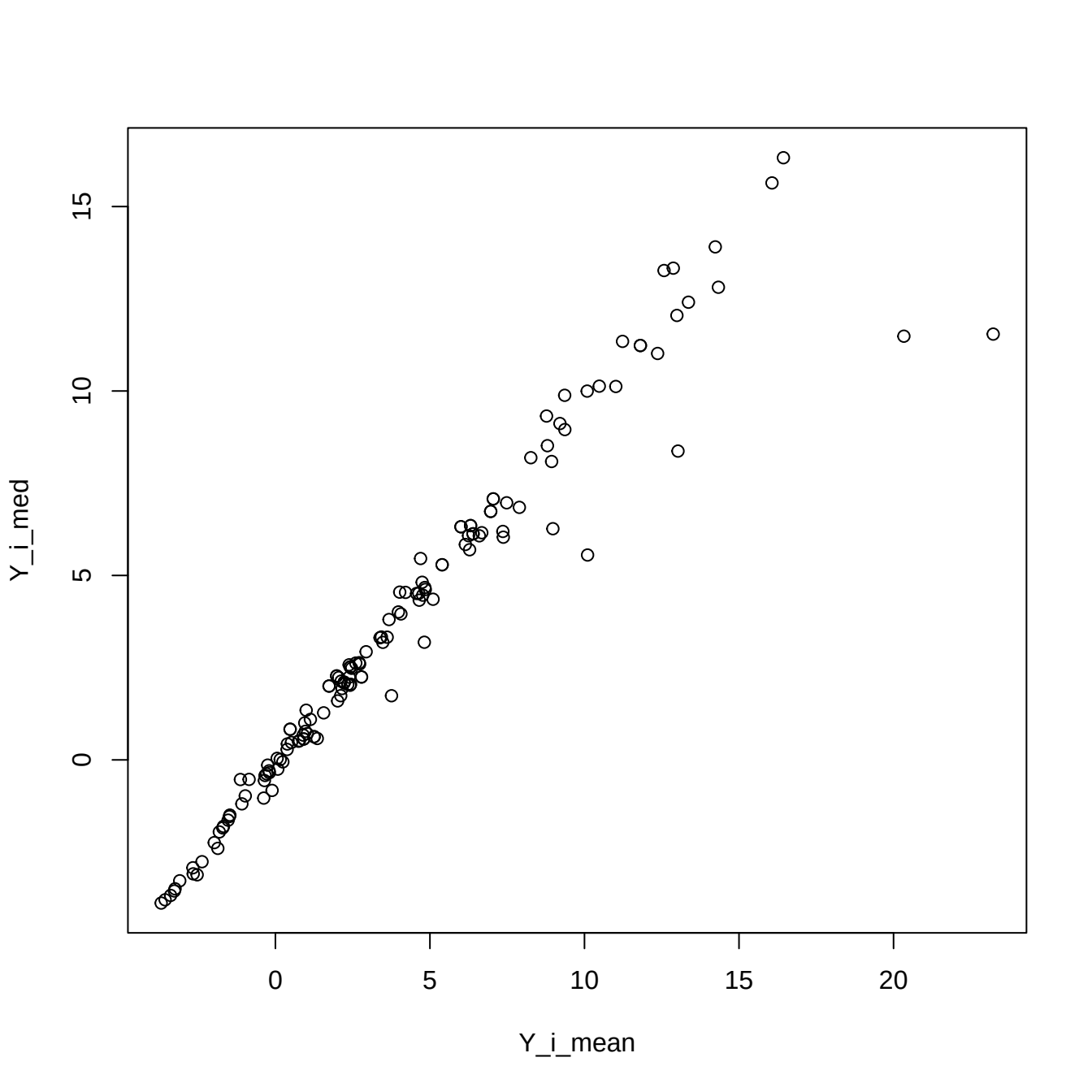
Design experiment 23 (replicates)

Scaled features, experiment 23



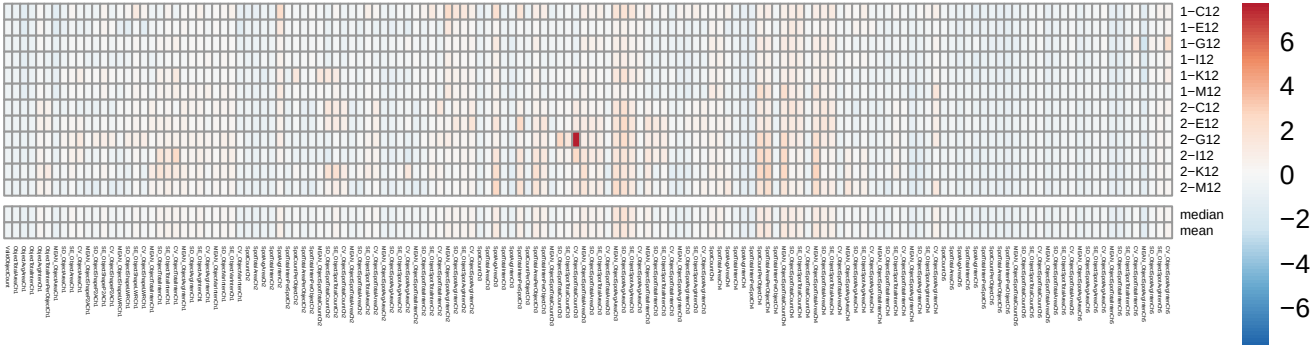
Measured features before scaling, experiment 23



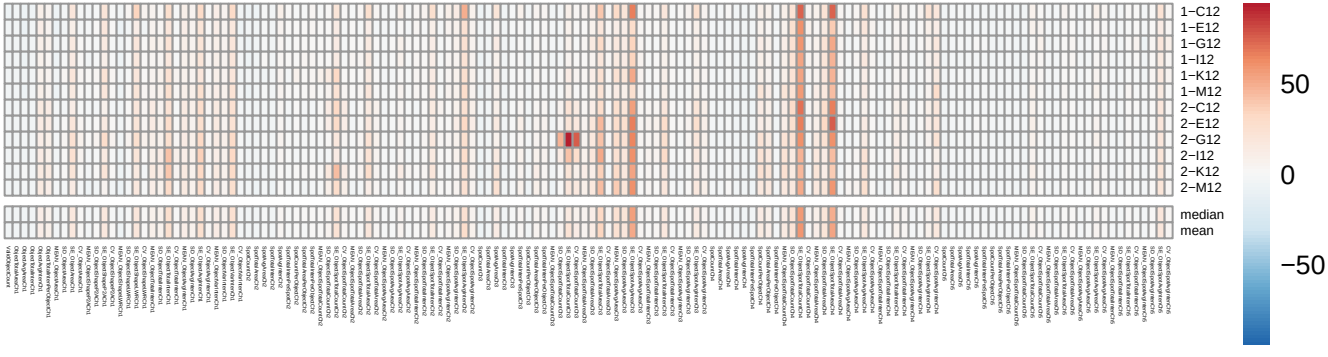

Y_i_med
Y_i_mean
0
5
10
15
20
0
5
10
15

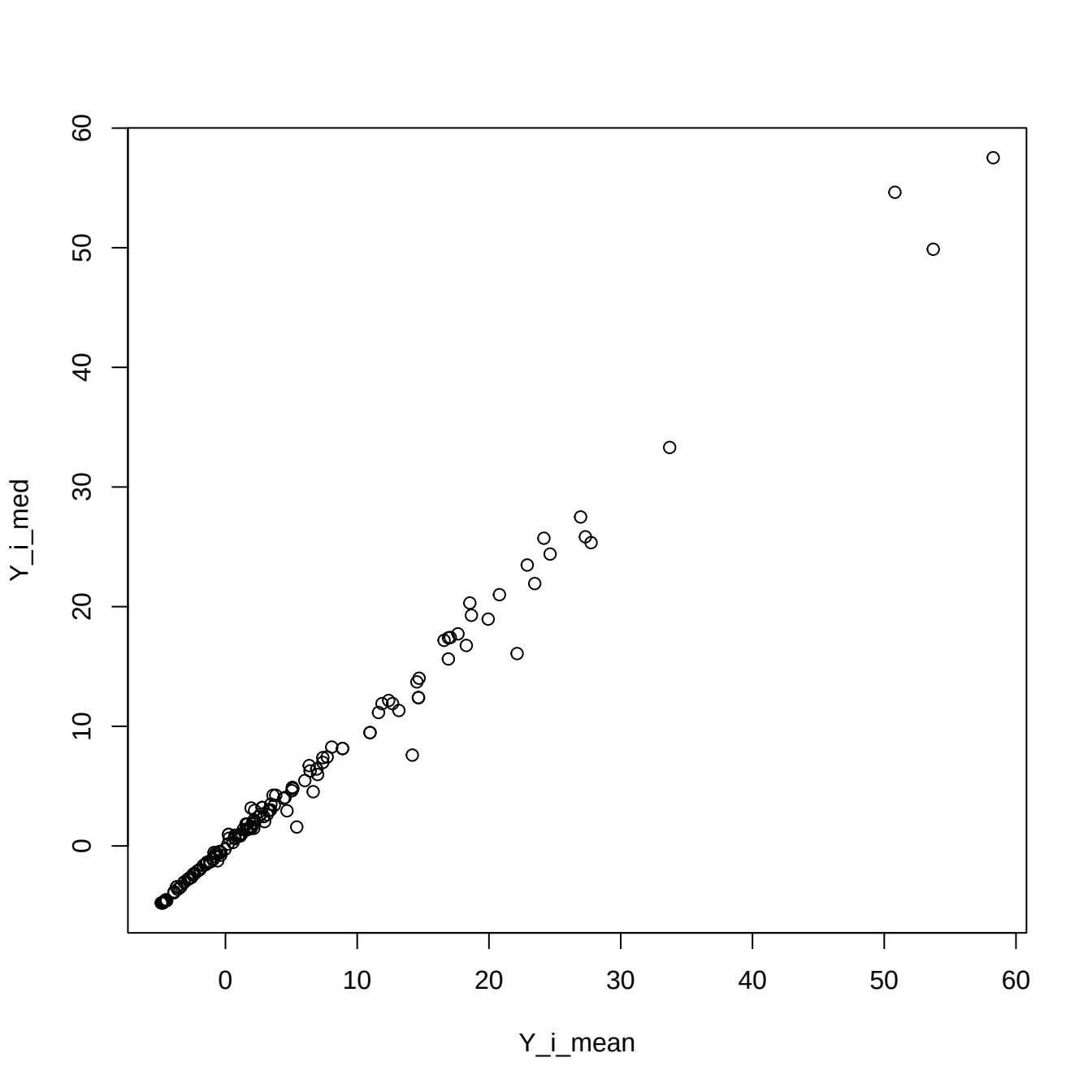
Design experiment 24 (replicates)

Scaled features, experiment 24



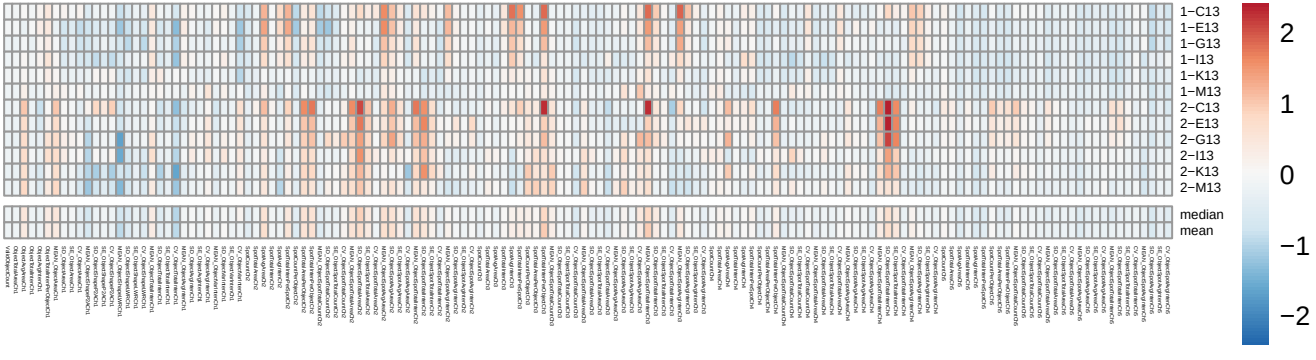
Measured features before scaling, experiment 24



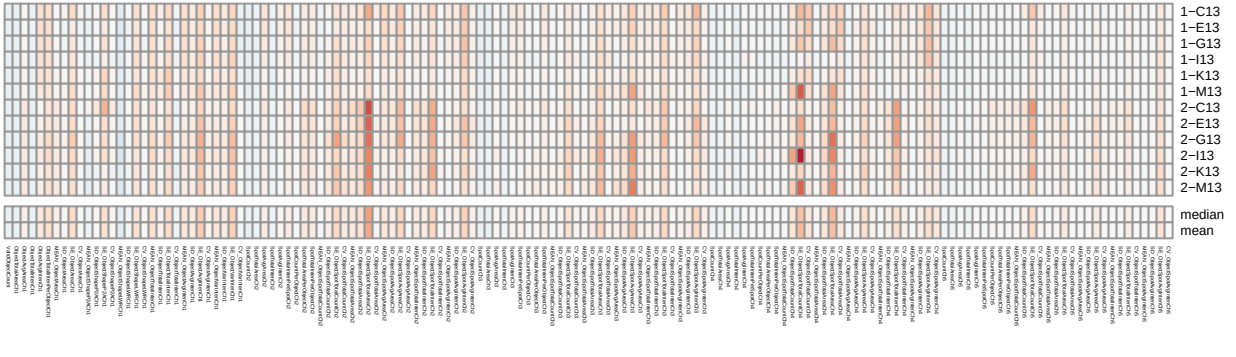

Y_i_med
Y_i_mean
0
10
20
30
40
50
60

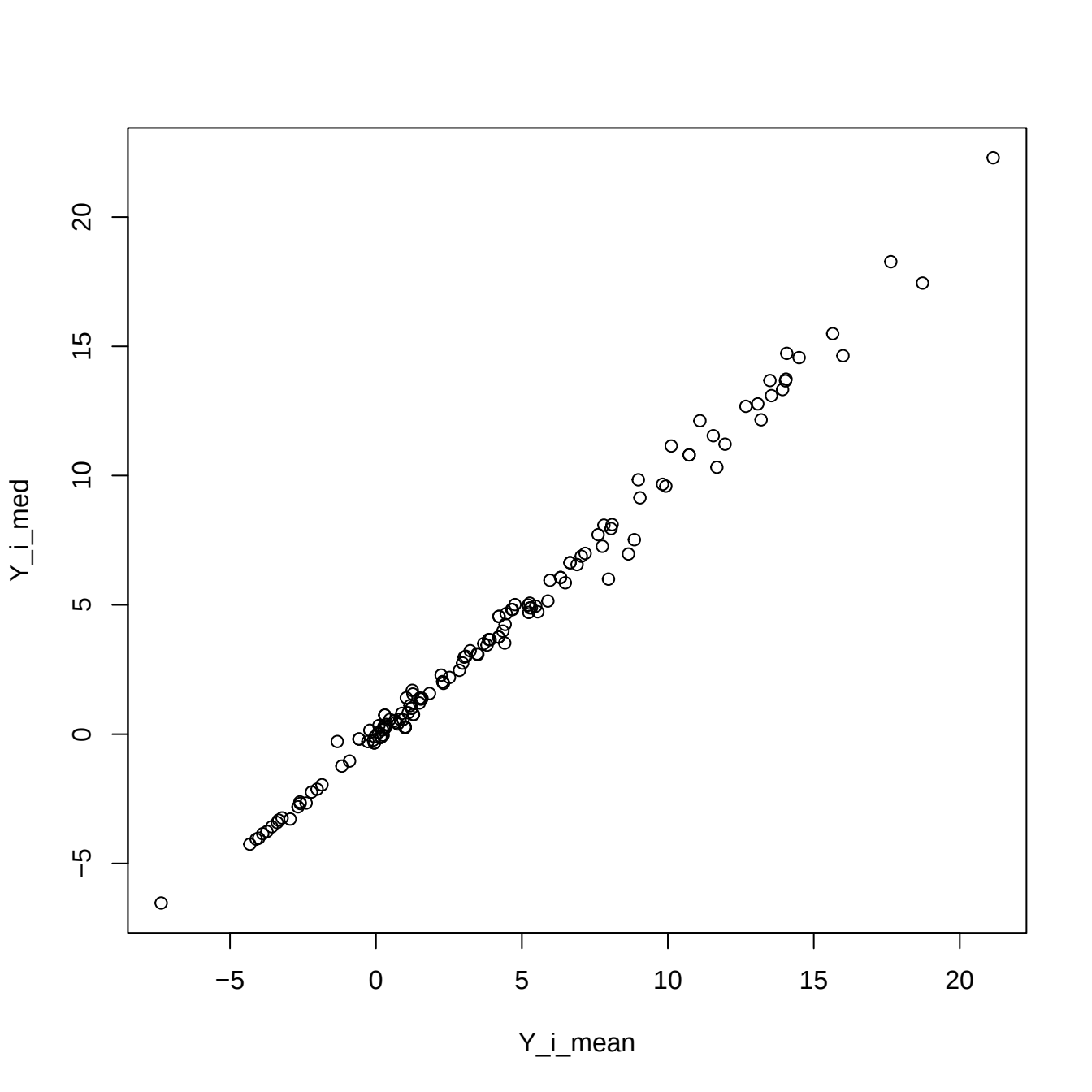
Design experiment 25 (replicates)

Scaled features, experiment 25



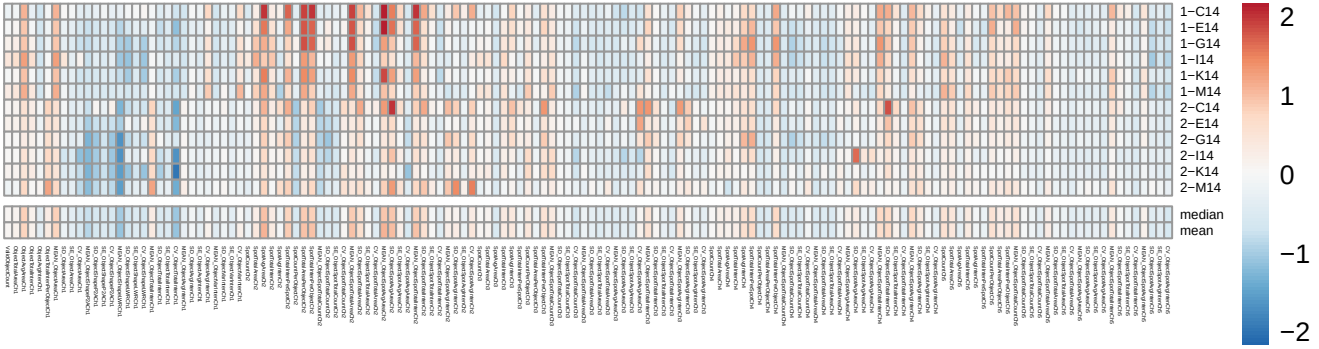
Measured features before scaling, experiment 25



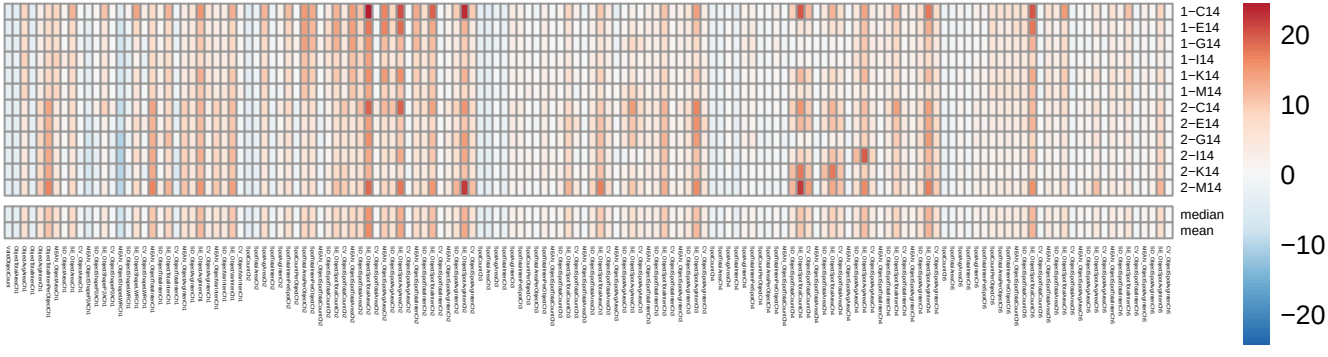

Y_i_med
Y_i_mean
−5
0
5
10
15
20

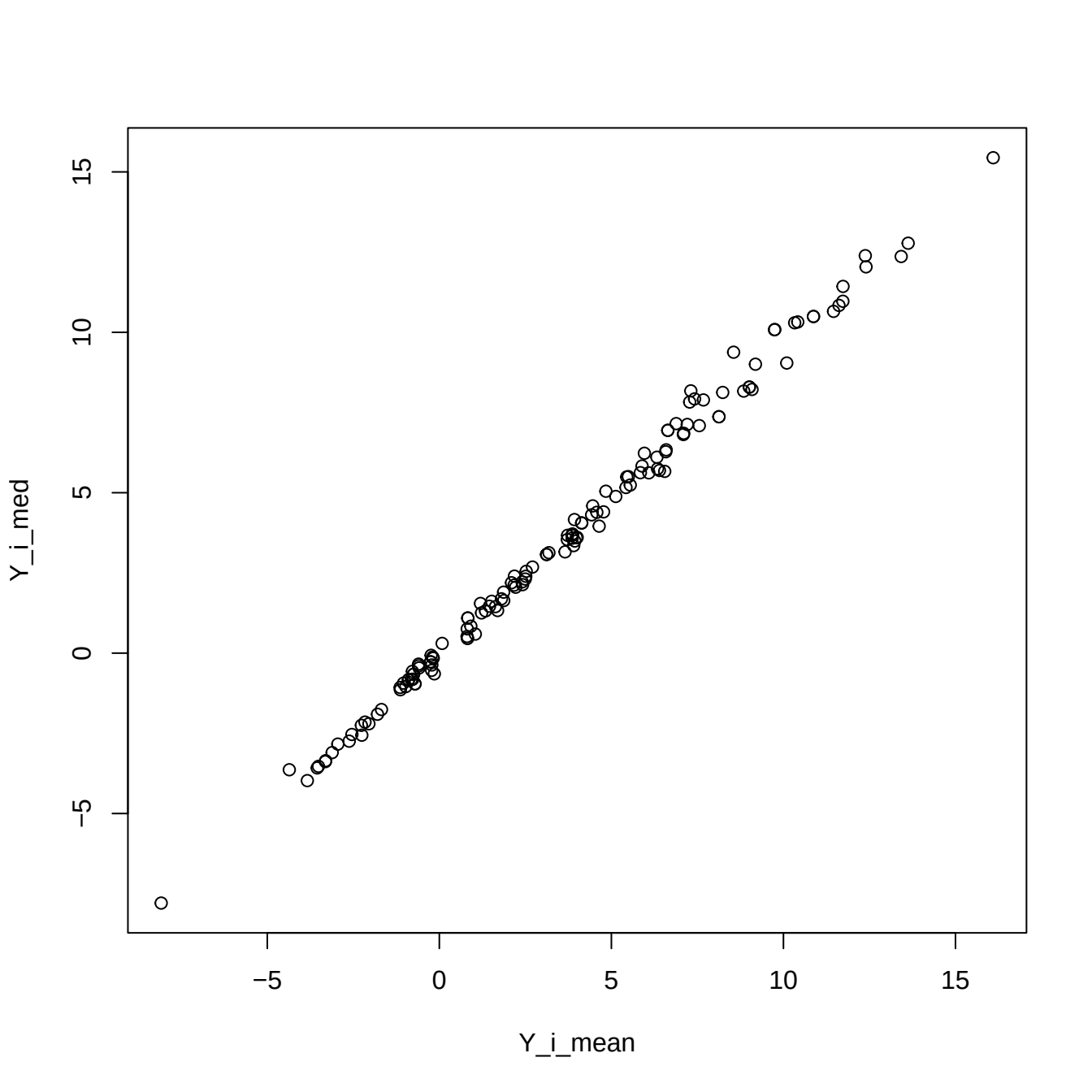
Design experiment 26 (replicates)

Scaled features, experiment 26



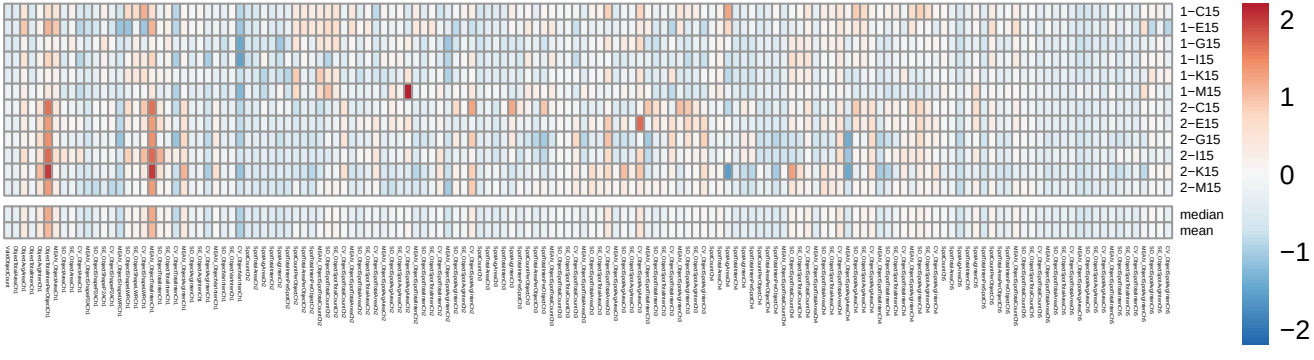
Measured features before scaling, experiment 26



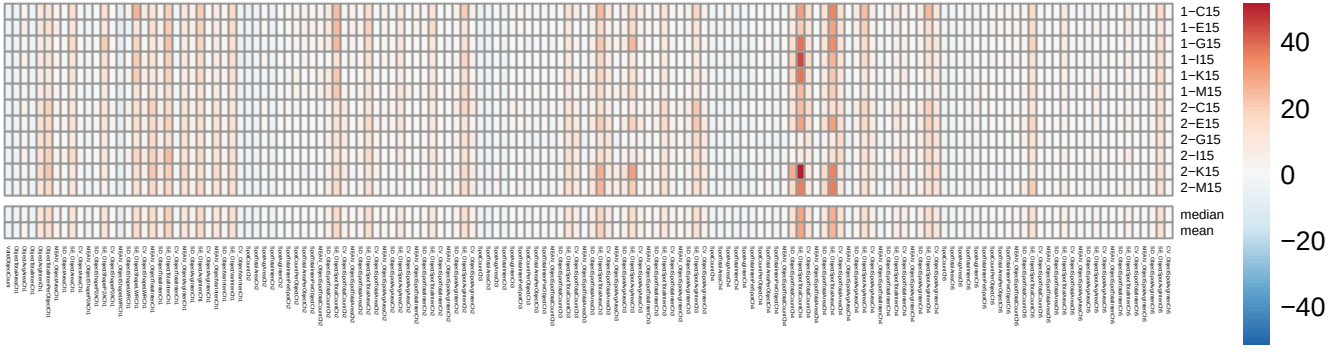

Y_i_med
Y_i_mean
15
10
5
0
−5
−5
0
5
10
15

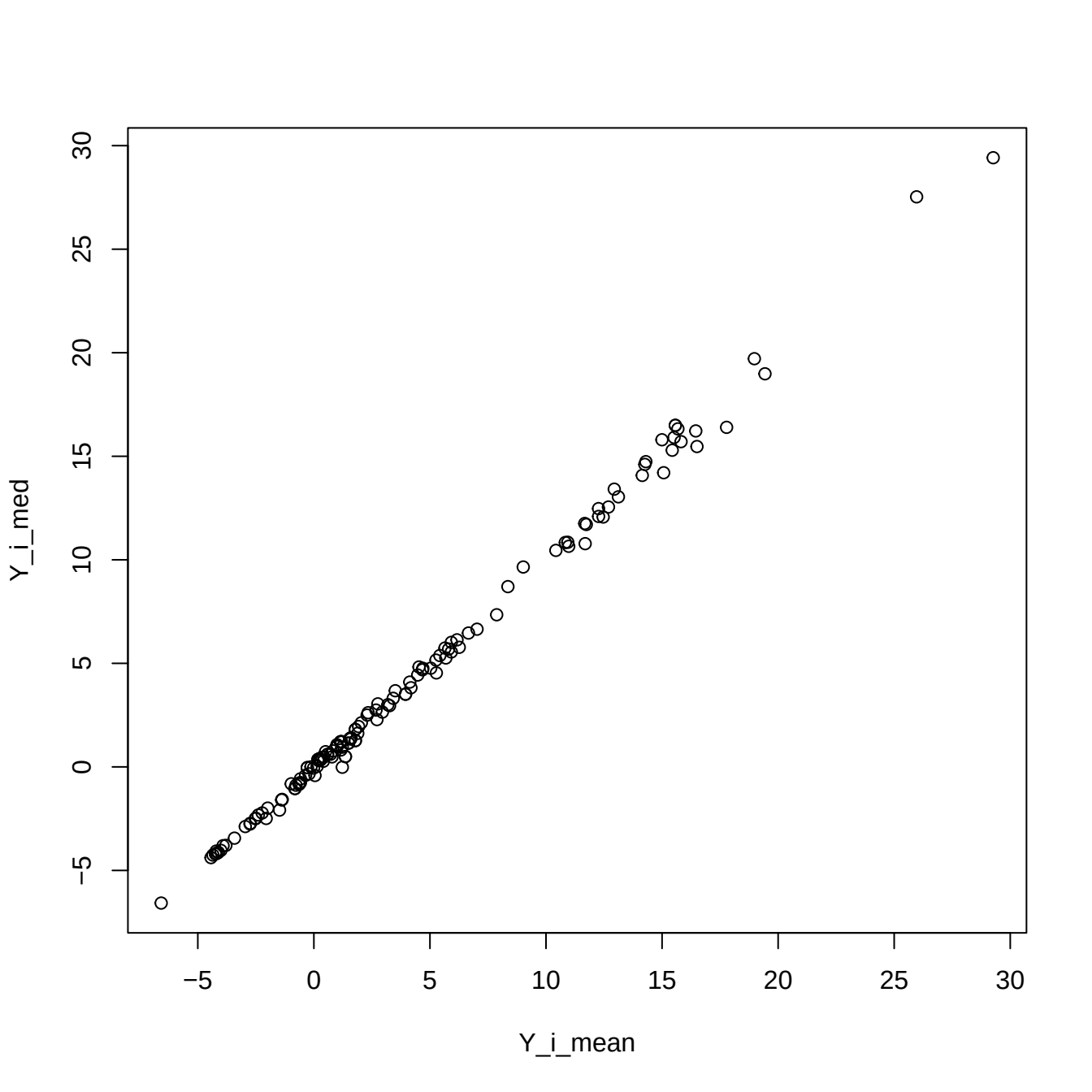
Design experiment 27 (replicates)

Scaled features, experiment 27



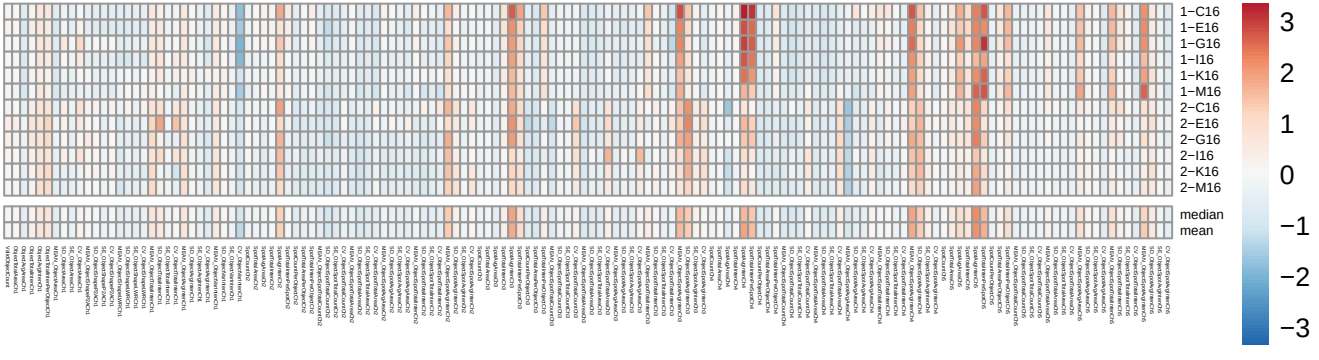
Measured features before scaling, experiment 27



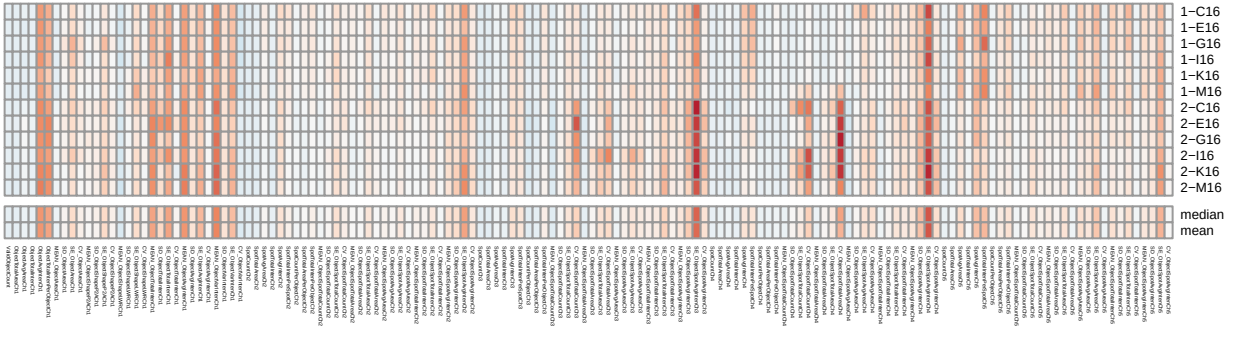

Y_i_med
Y_i_mean
30
25
20
15
10
5
0
−5
−5
0
5
10
15
20
25
30

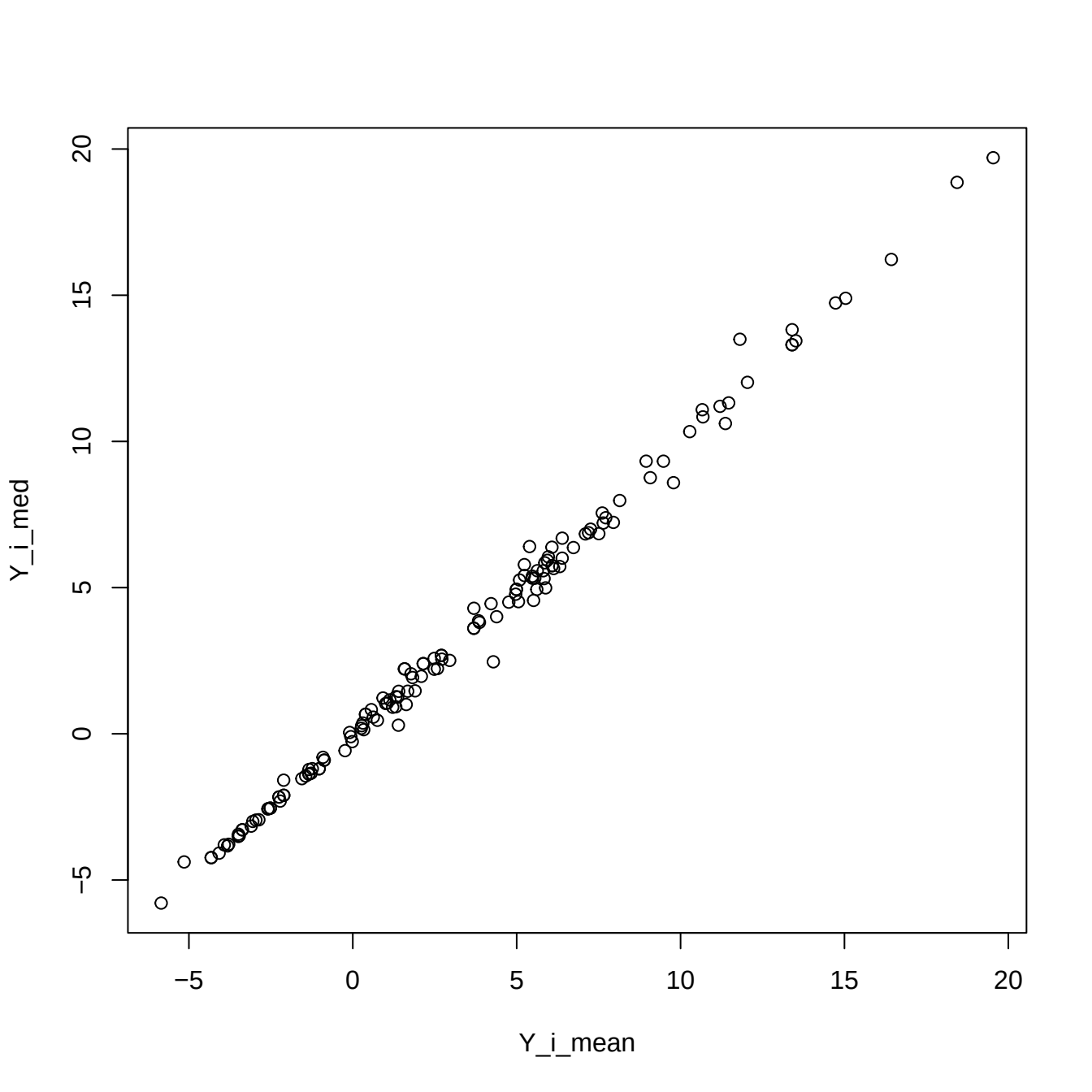
Design experiment 28 (replicates)

Scaled features, experiment 28



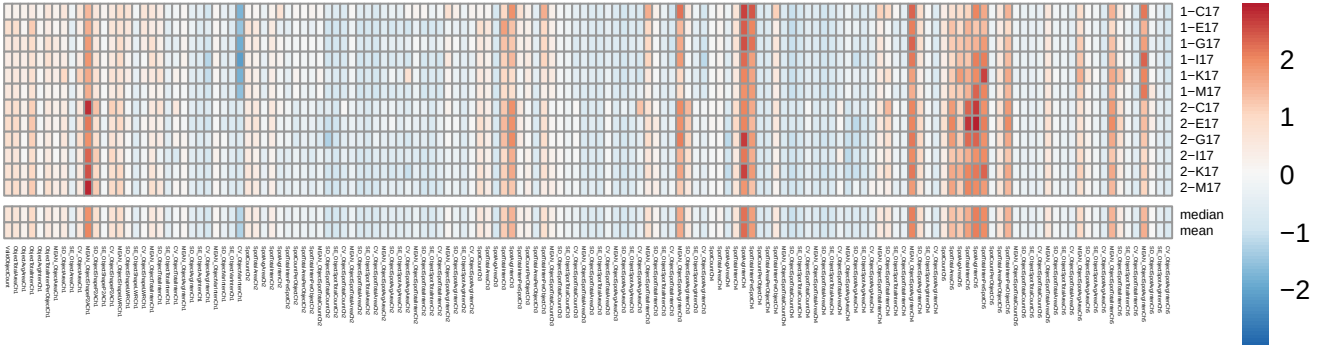
Measured features before scaling, experiment 28



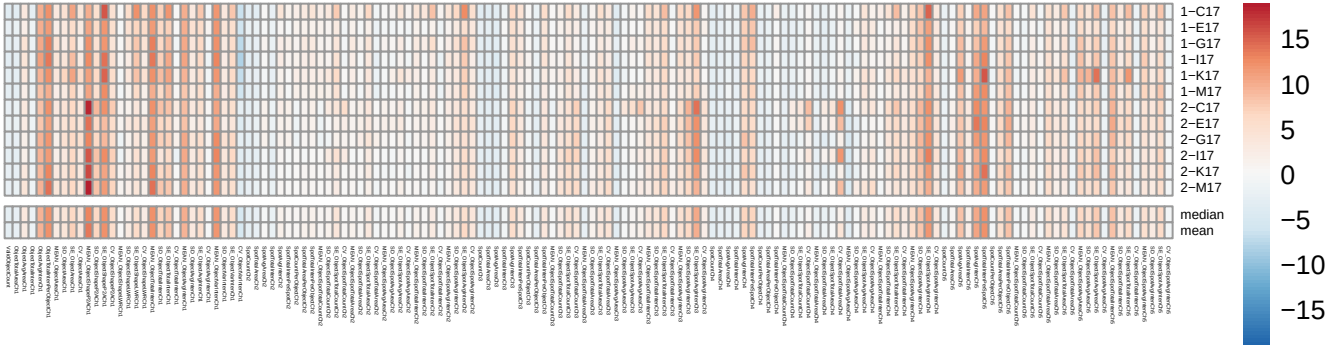

Y_i_med
Y_i_mean
−5
0
5
10
15
20

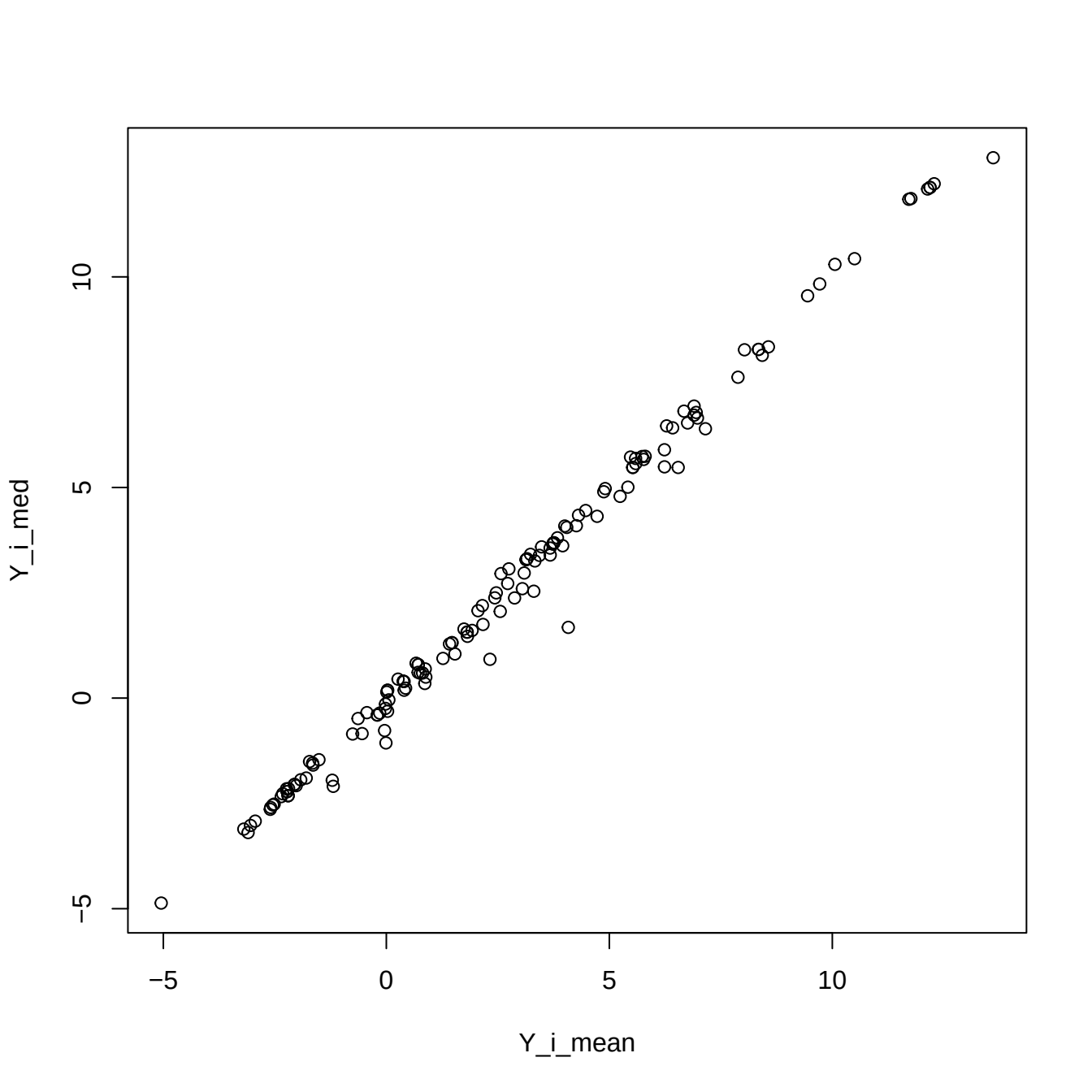
Design experiment 29 (replicates)

Scaled features, experiment 29



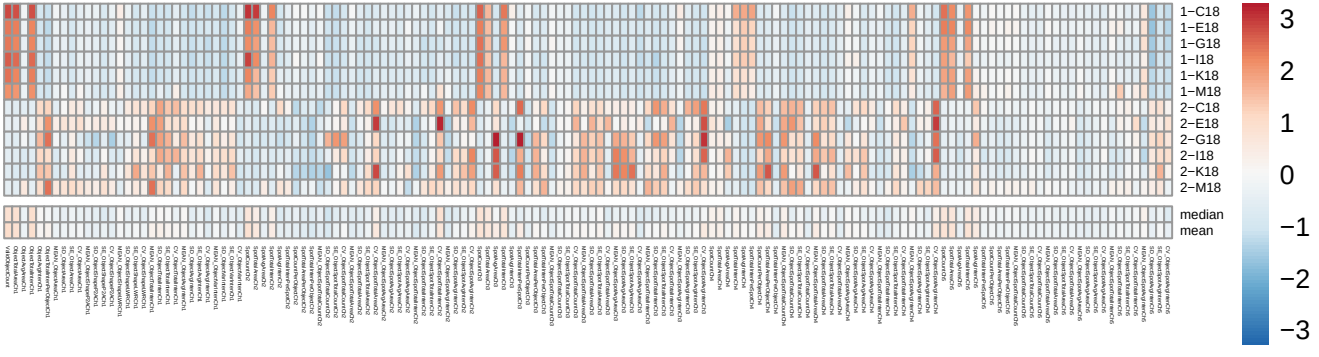
Measured features before scaling, experiment 29



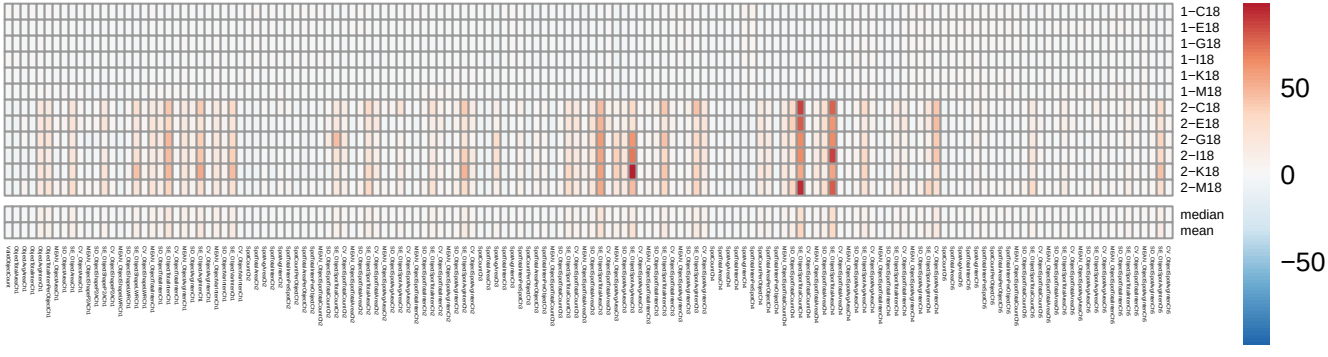

Y_i_med
Y_i_mean
−5
0
5
10
−5
0
5
10

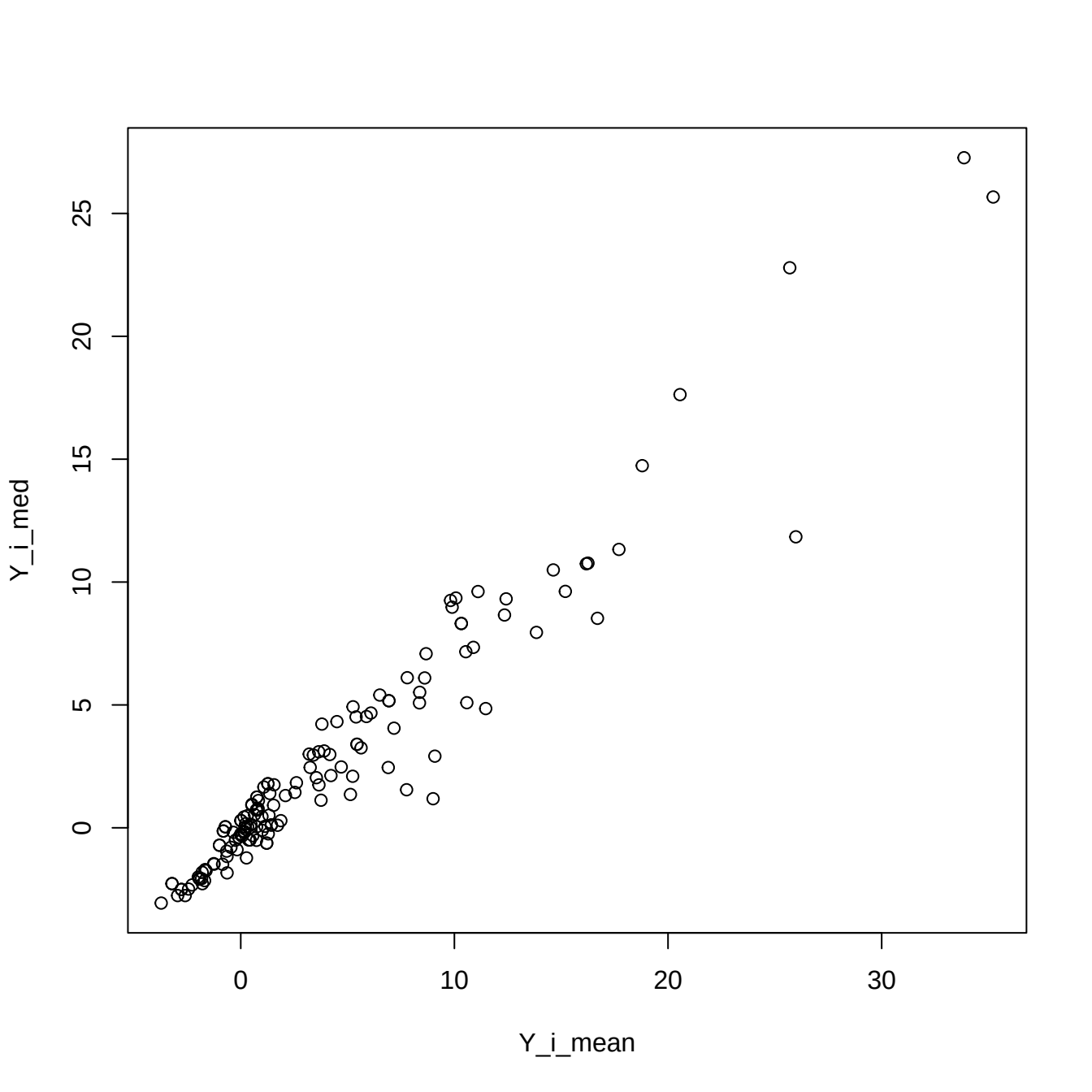
Design experiment 30 (replicates)

Scaled features, experiment 30



Measured features before scaling, experiment 30

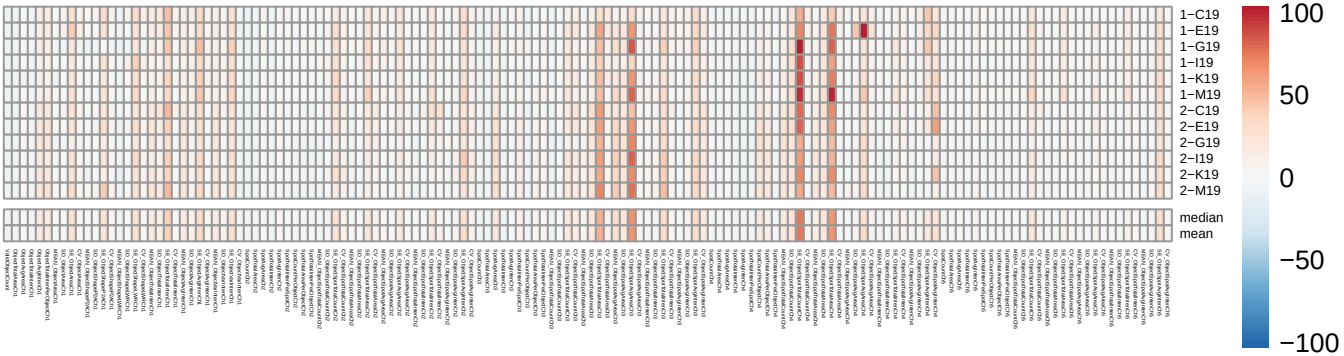


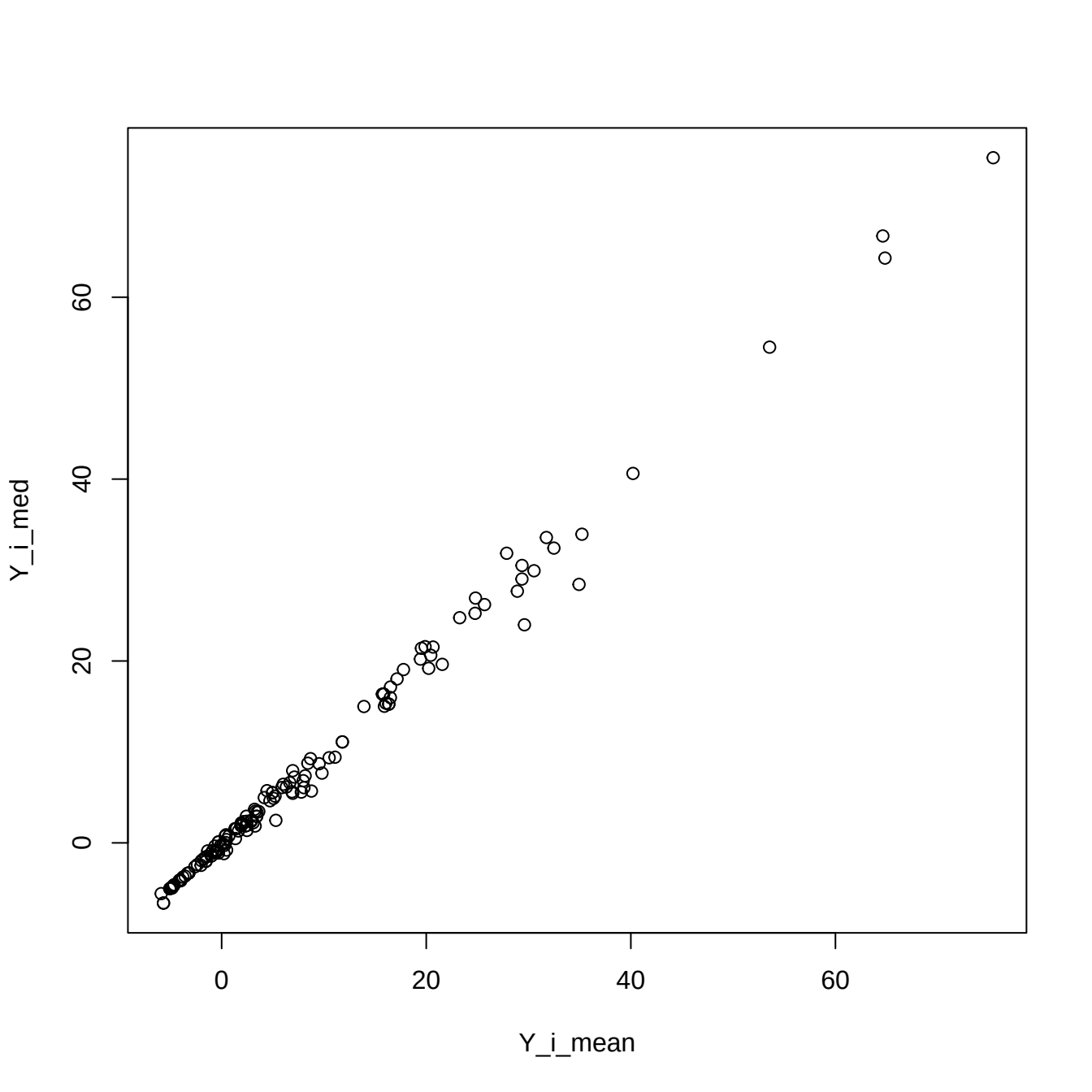

Y_i_med
Y_i_mean
0
5
10
15
20
25
0
10
20
30

Design experiment 31 (replicates)

Scaled features, experiment 31

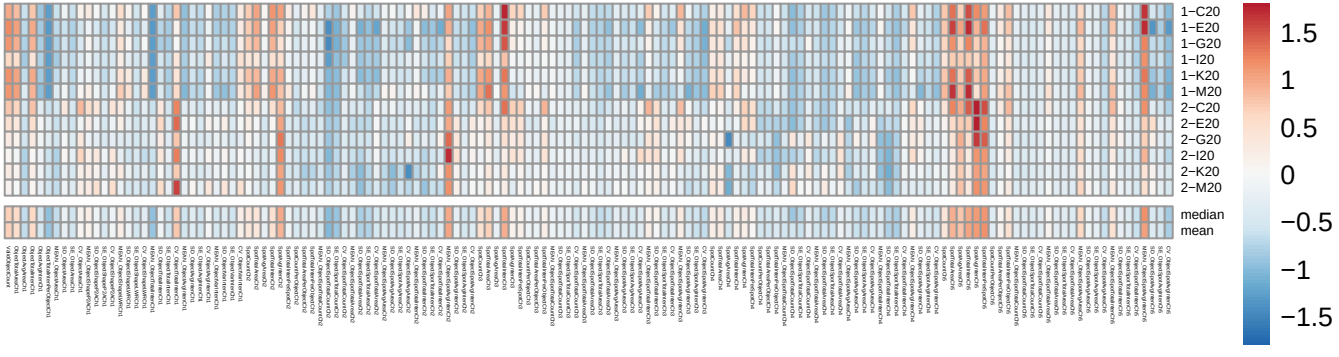
Measured features before scaling, experiment 31



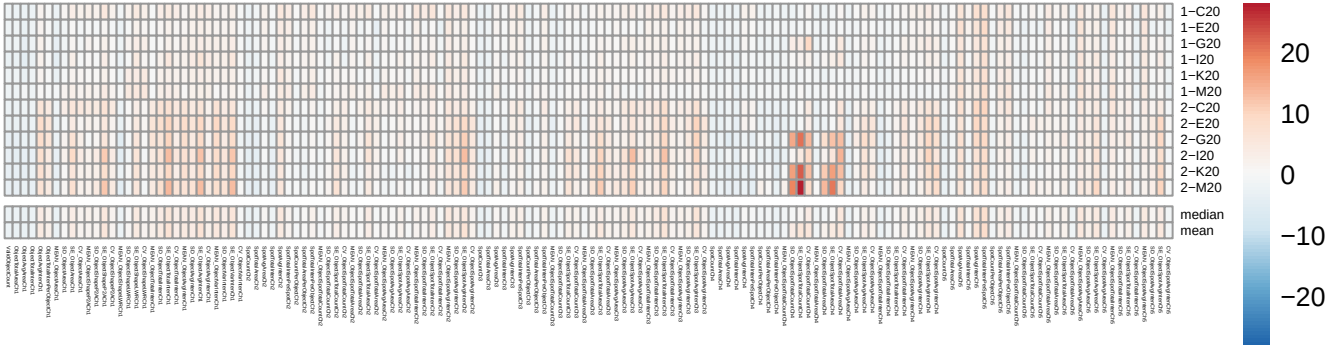

Y_i_med
0
20
40
60
0
20
40
60
Y_i_mean

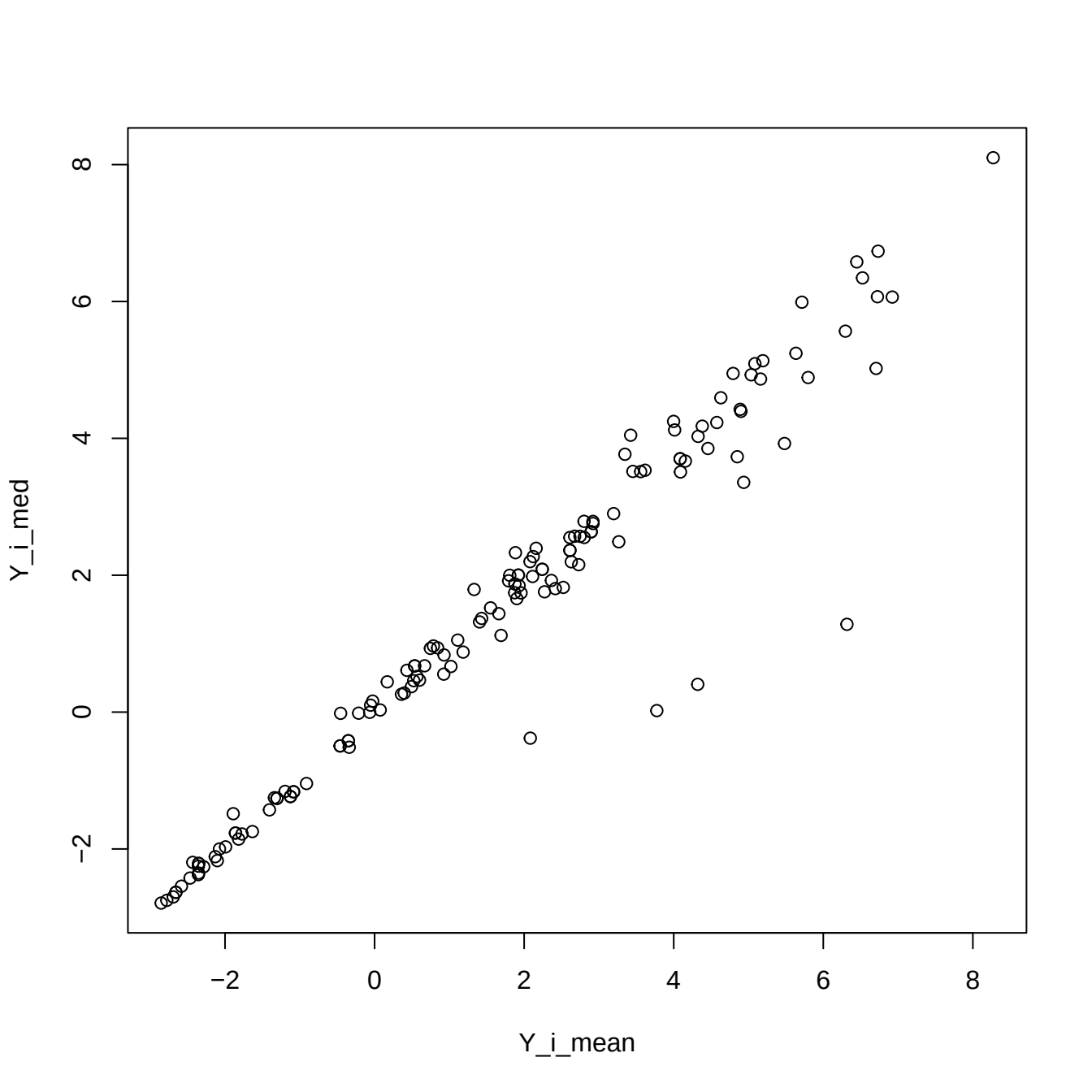
Design experiment 32 (replicates)

Scaled features, experiment 32

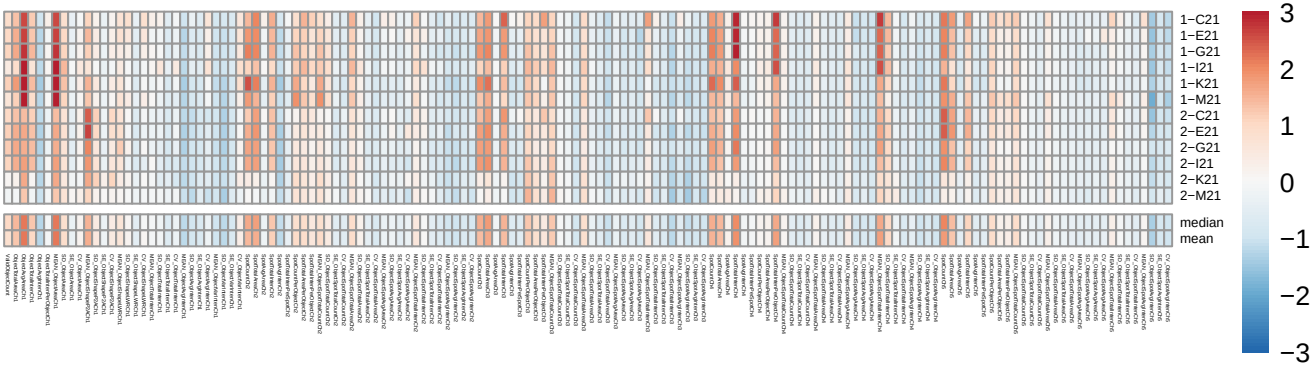


Measured features before scaling, experiment 32

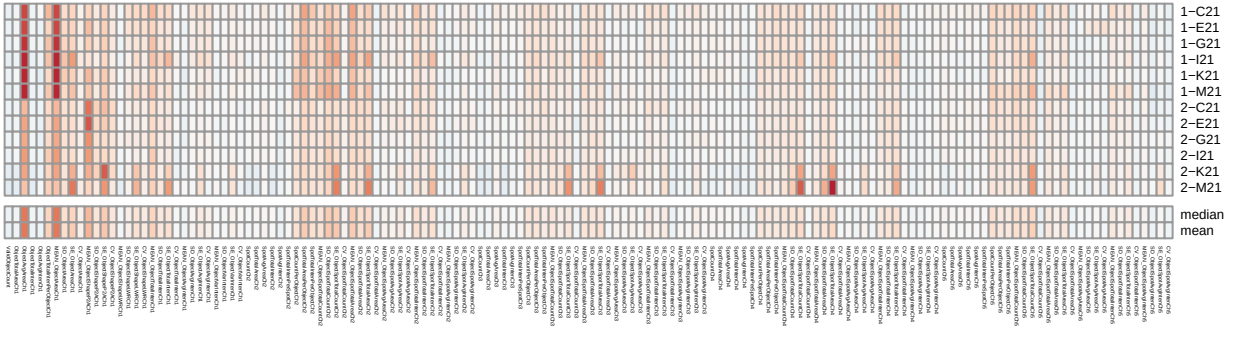


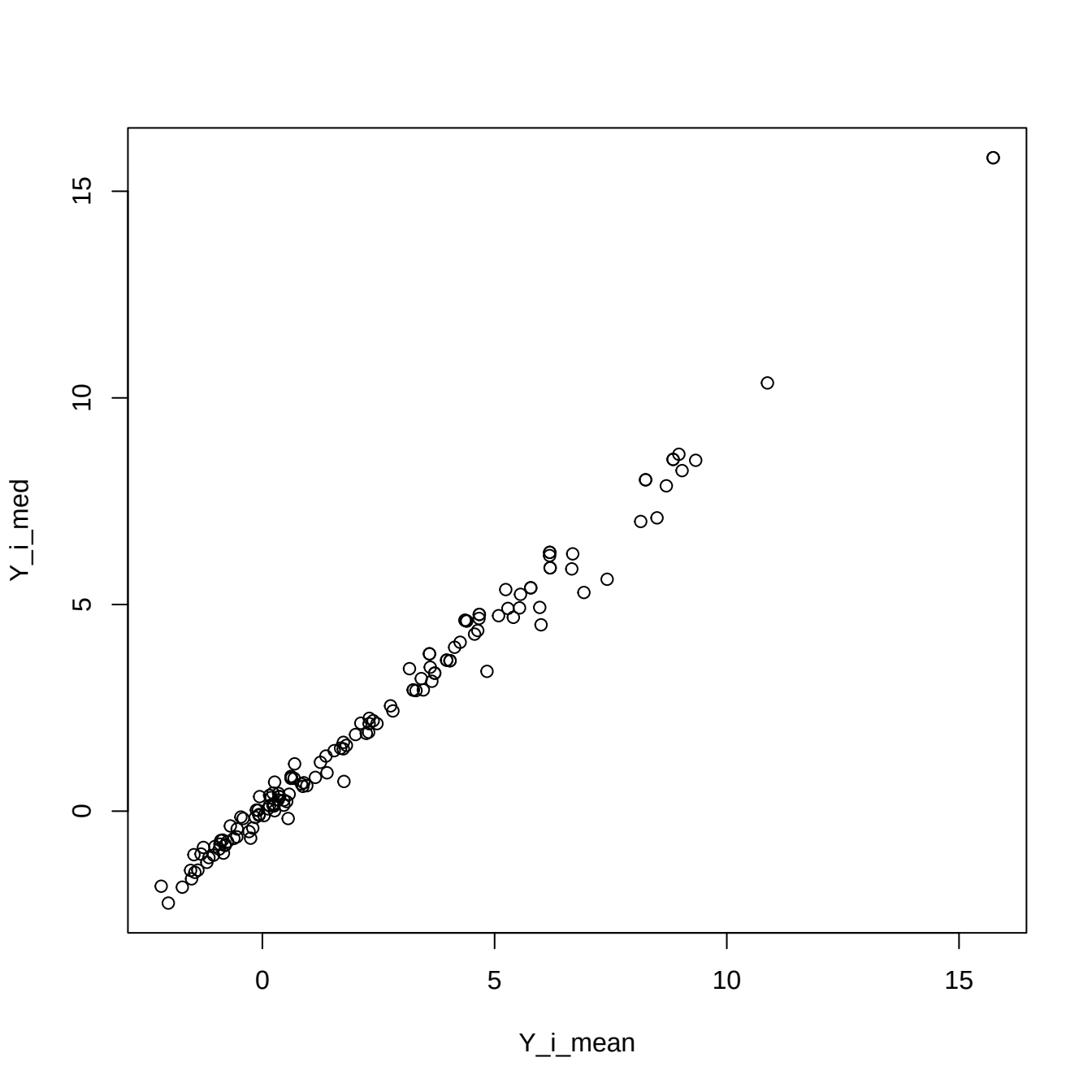

Y_i_med
Y_i_mean
−2
0
2
4
6
8

Design experiment 33 (replicates)


Scaled features, experiment 33
1−C21
1−E21
1−G21
1−I21
1−K21
1−M21
2−C21
2−E21
2−G21
2−I21
2−K21
2−M21
median
mean
3
2
1
0
−1
−2
−3

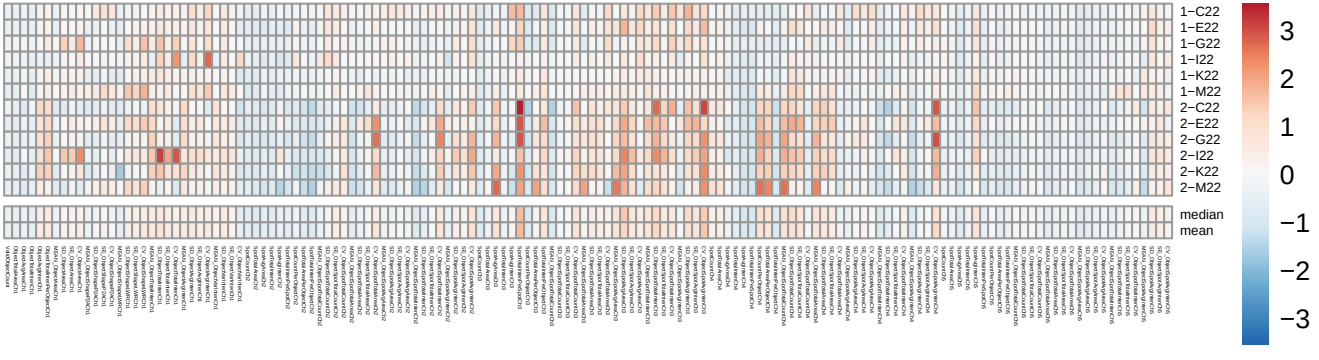
Measured features before scaling, experiment 33



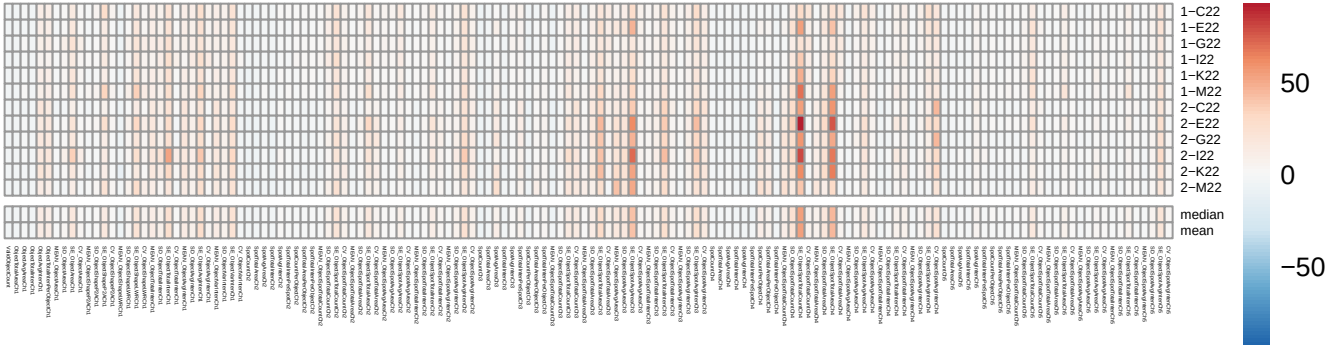

Y_i_med
Y_i_mean
0
5
10
15
0
5
10
15

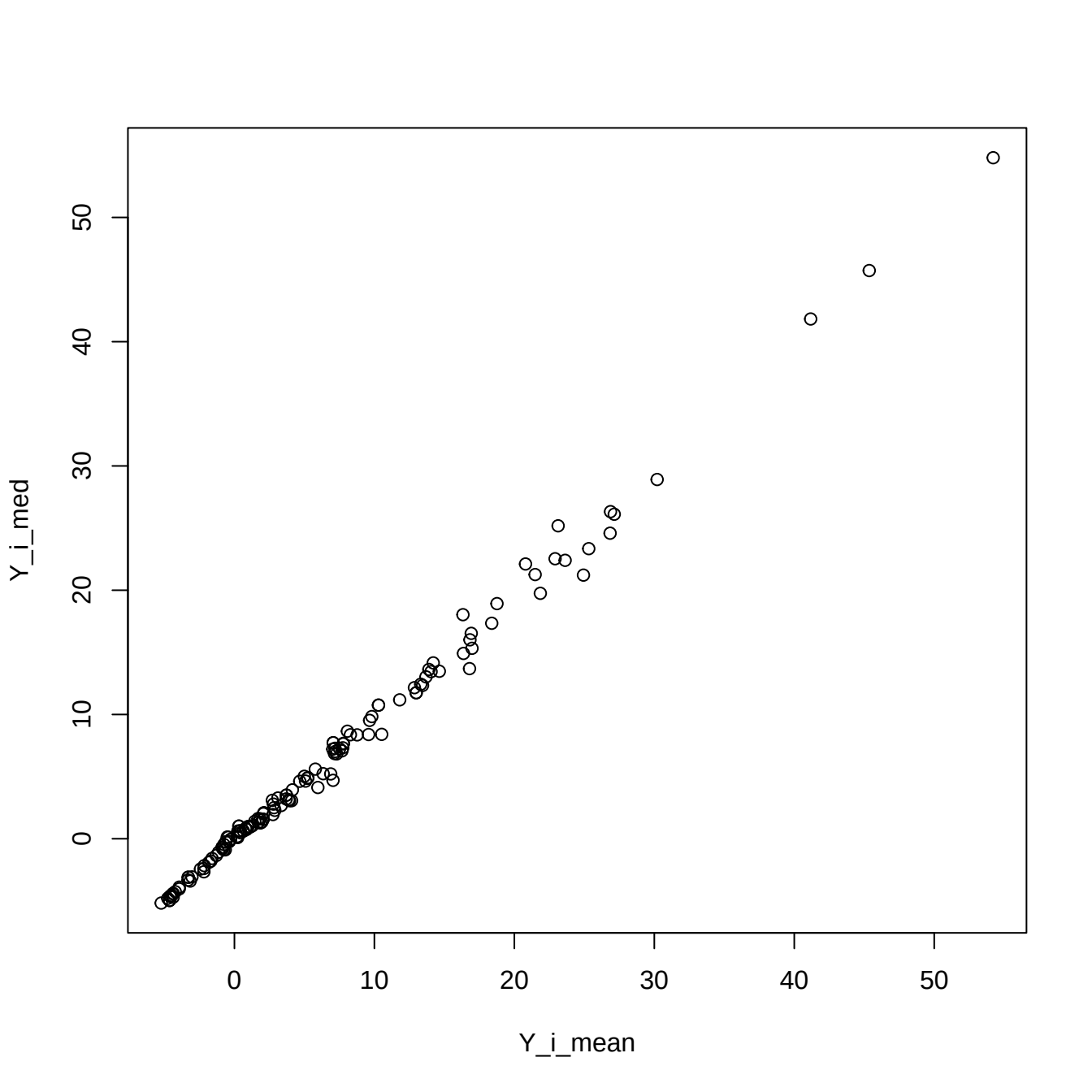
Design experiment 34 (replicates)

Scaled features, experiment 34



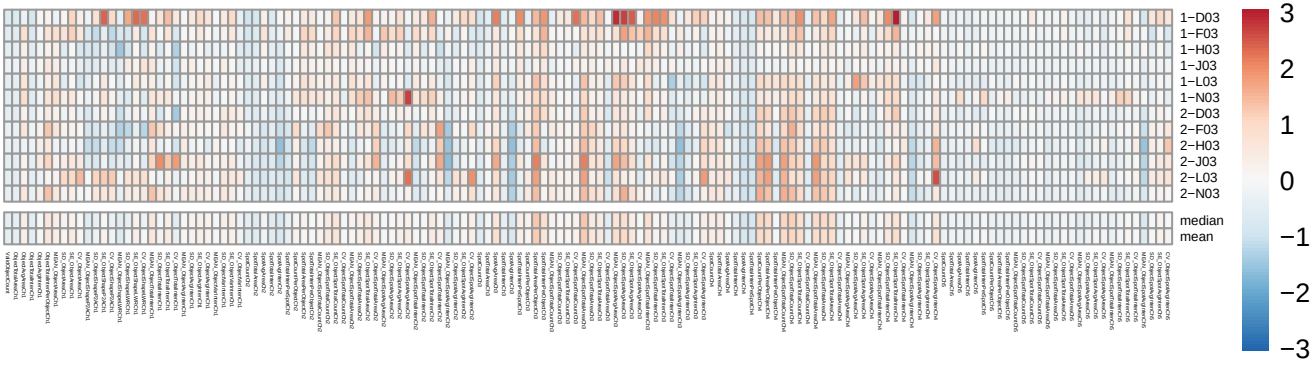
Measured features before scaling, experiment 34



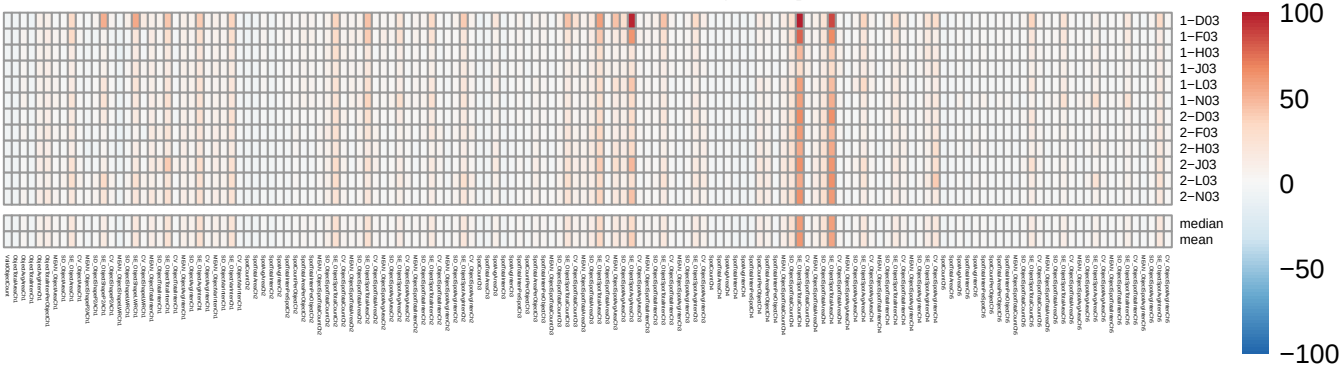

Y_i_med
Y_i_mean
0
10
20
30
40
50

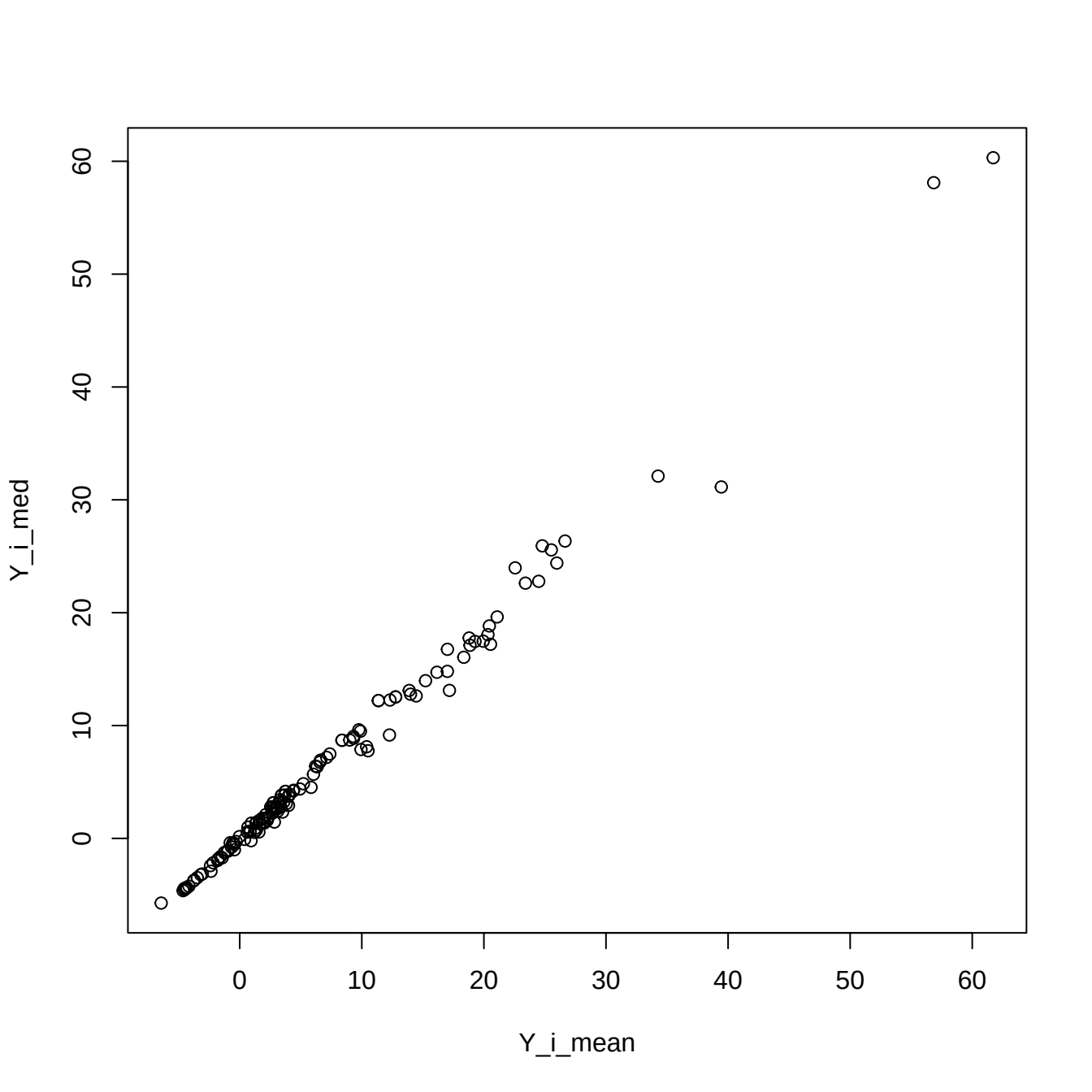
Design experiment 35 (replicates)

Scaled features, experiment 35



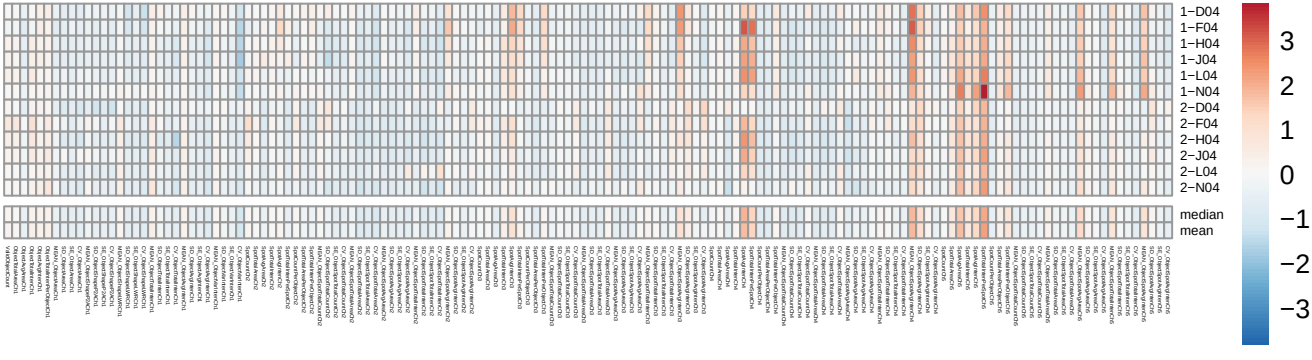
Measured features before scaling, experiment 35



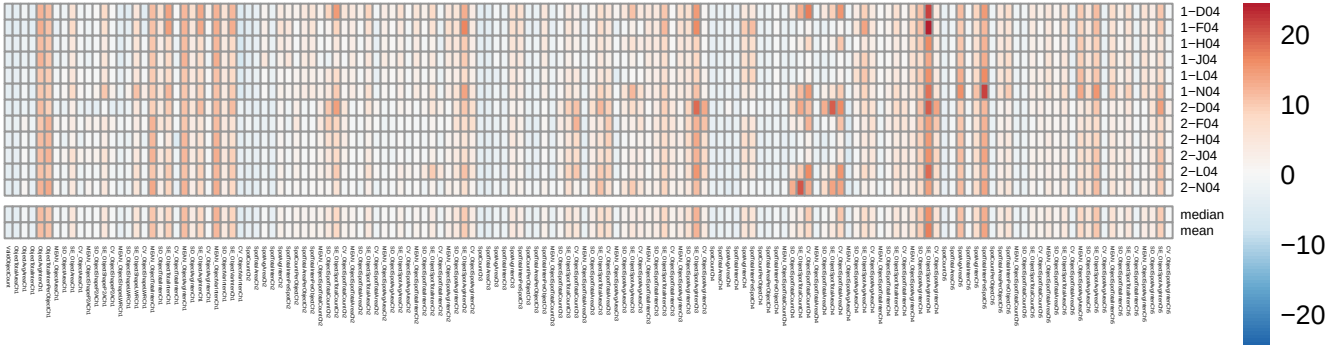

Y_i_med
Y_i_mean
0
10
20
30
40
50
60

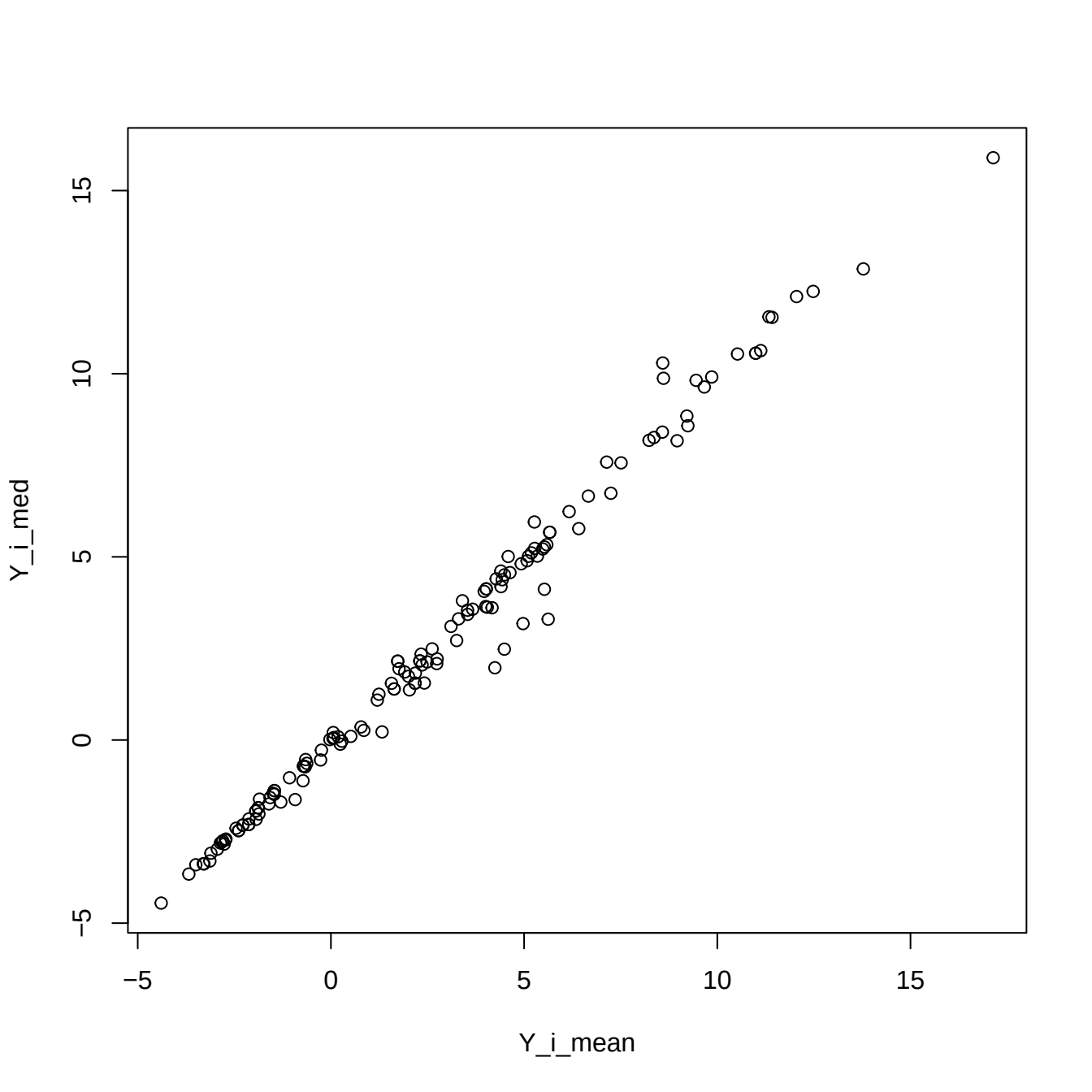
Design experiment 36 (replicates)

Scaled features, experiment 36



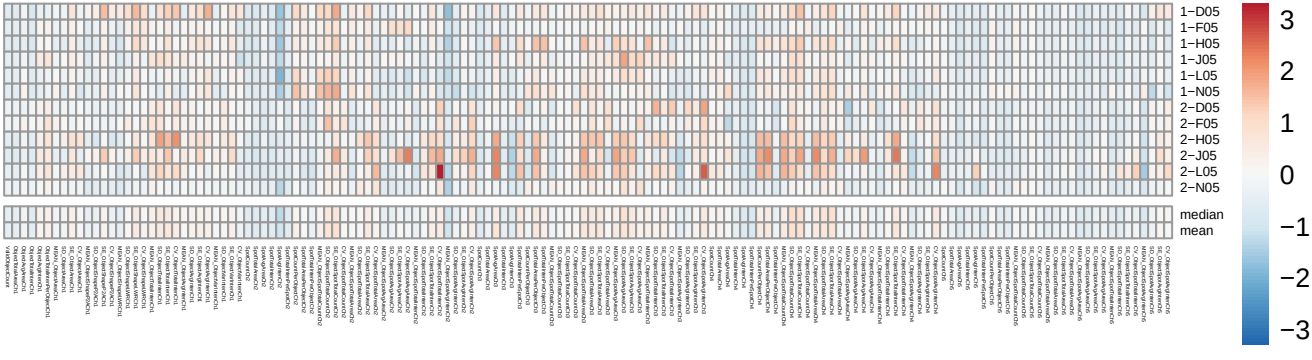
Measured features before scaling, experiment 36



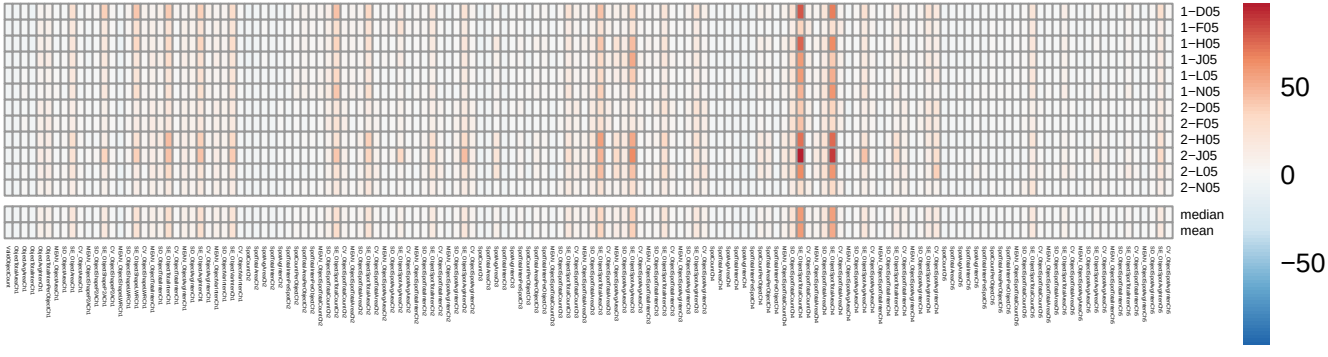

Y_i_med
Y_i_mean
−5
0
5
10
15

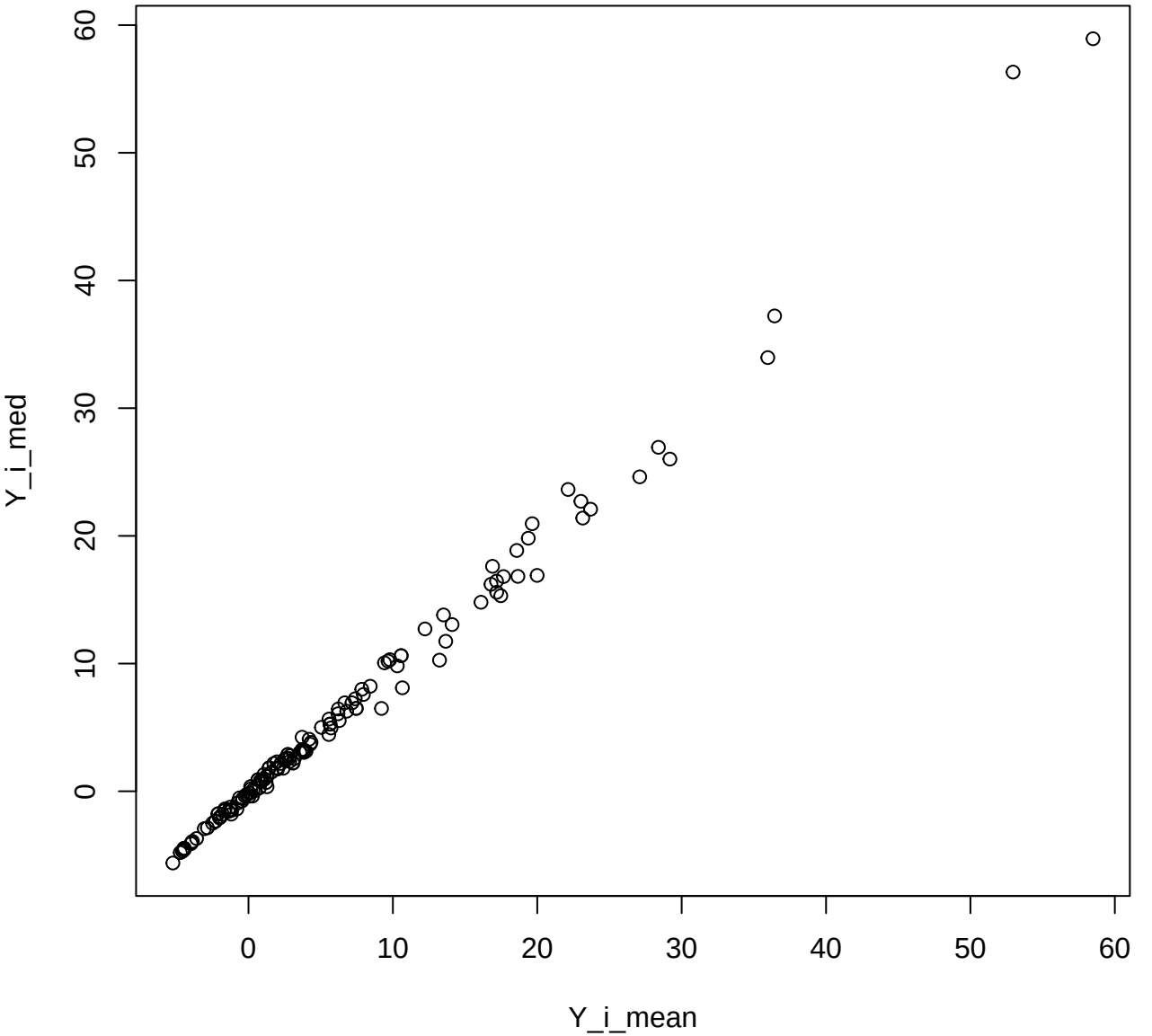
Design experiment 37 (replicates)

Scaled features, experiment 37



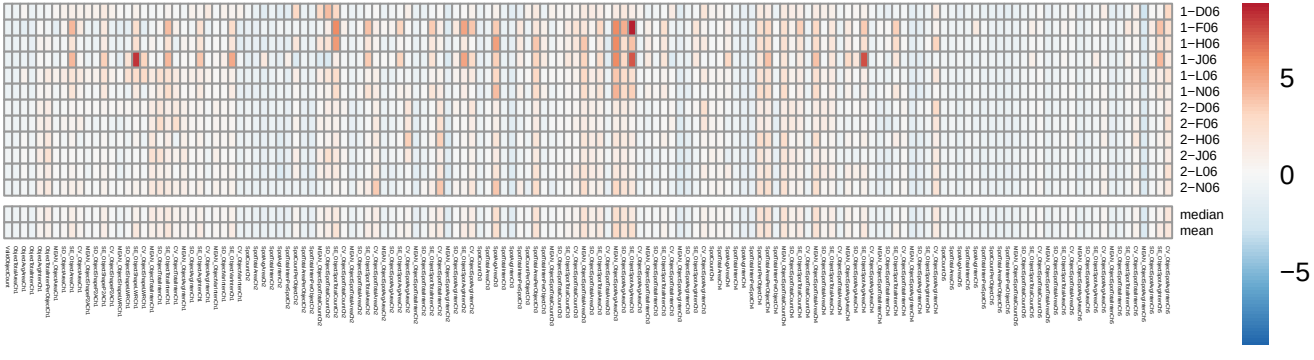
Measured features before scaling, experiment 37



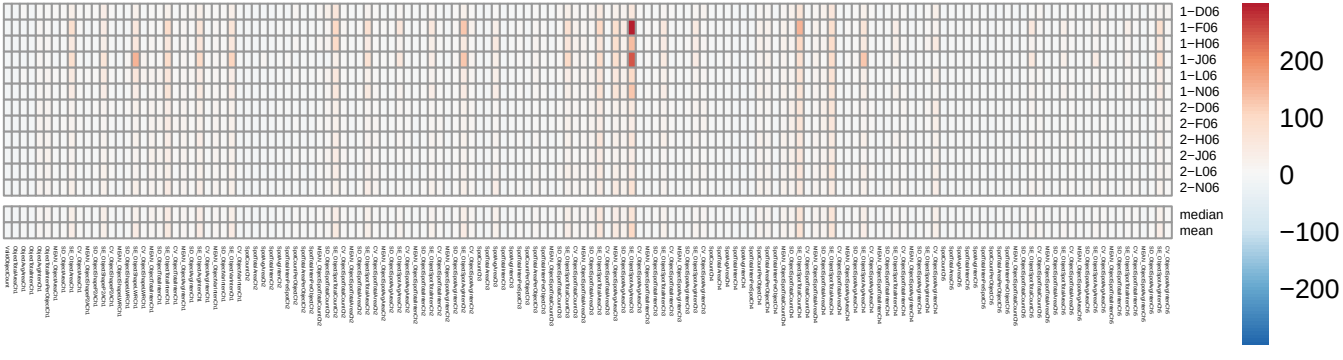

Y_i_med
Y_i_mean
0
10
20
30
40
50
60

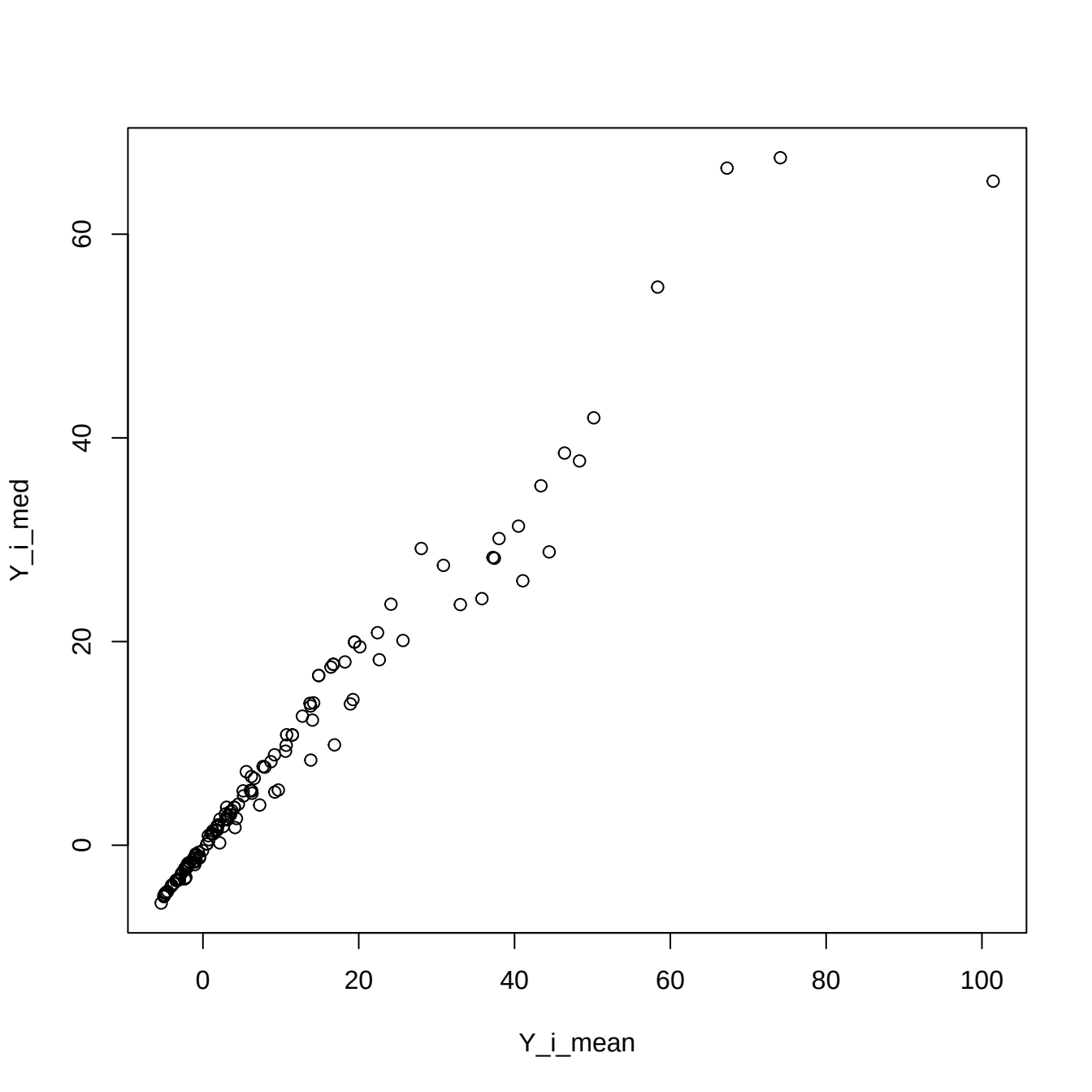
Design experiment 38 (replicates)

Scaled features, experiment 38



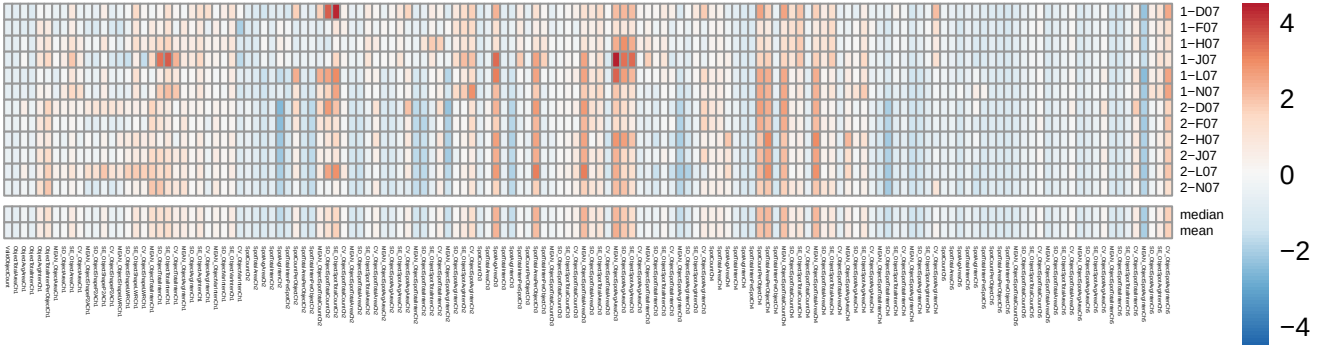
Measured features before scaling, experiment 38



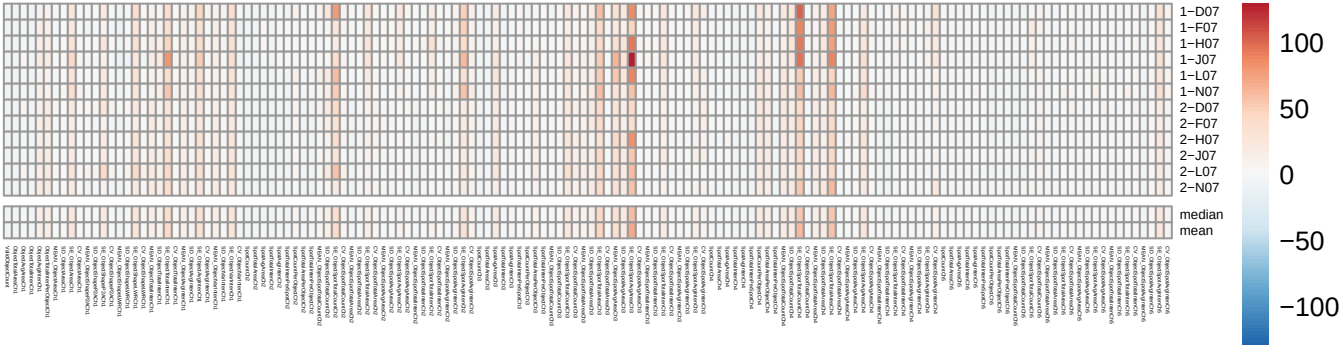

Y_i_med
Y_i_mean
0
20
40
60
80
100
0
20
40
60

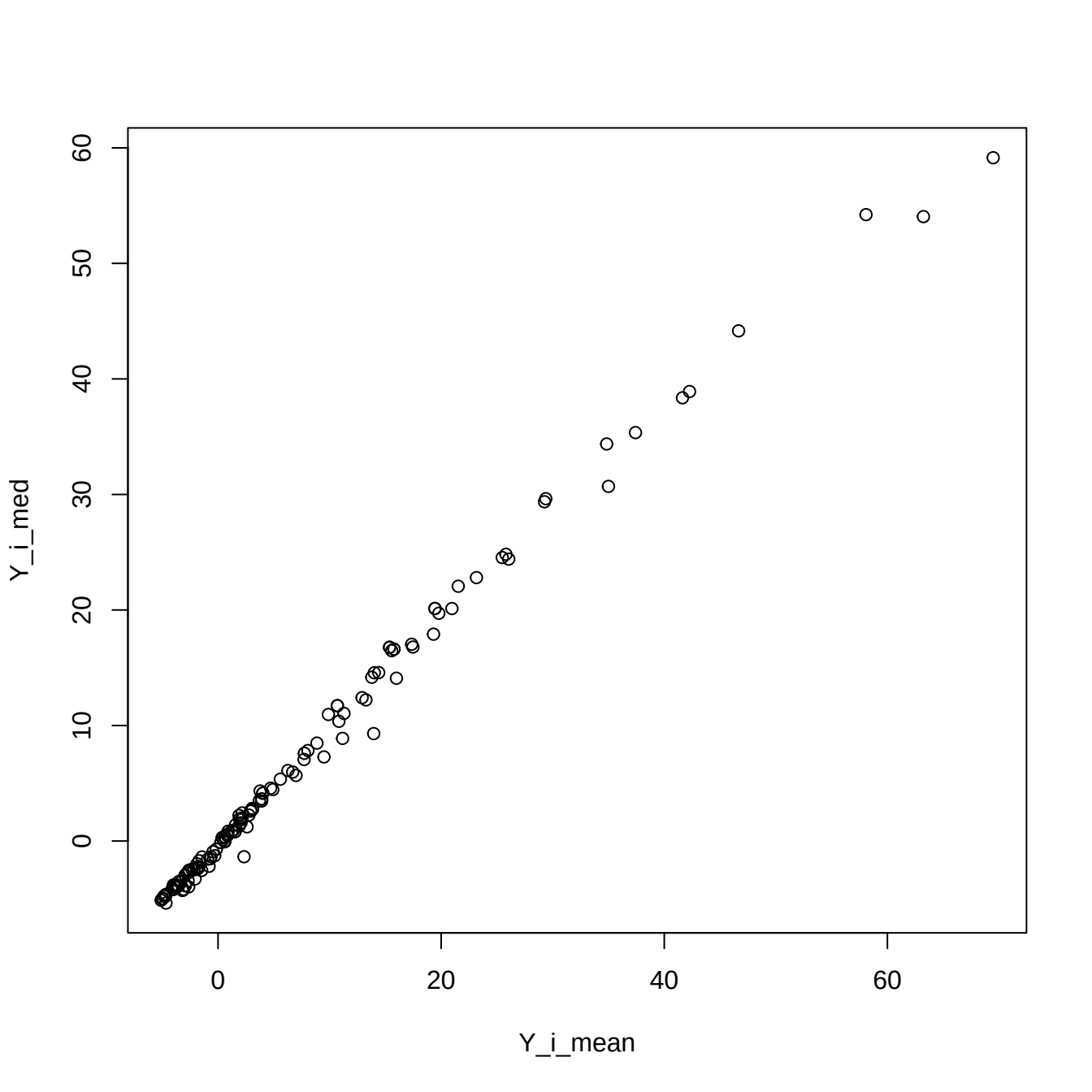
Design experiment 39 (replicates)

Scaled features, experiment 39



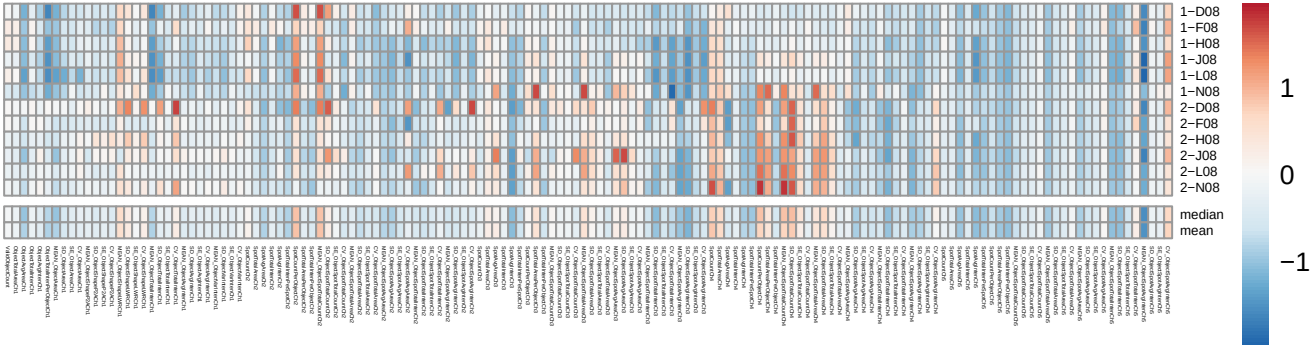
Measured features before scaling, experiment 39



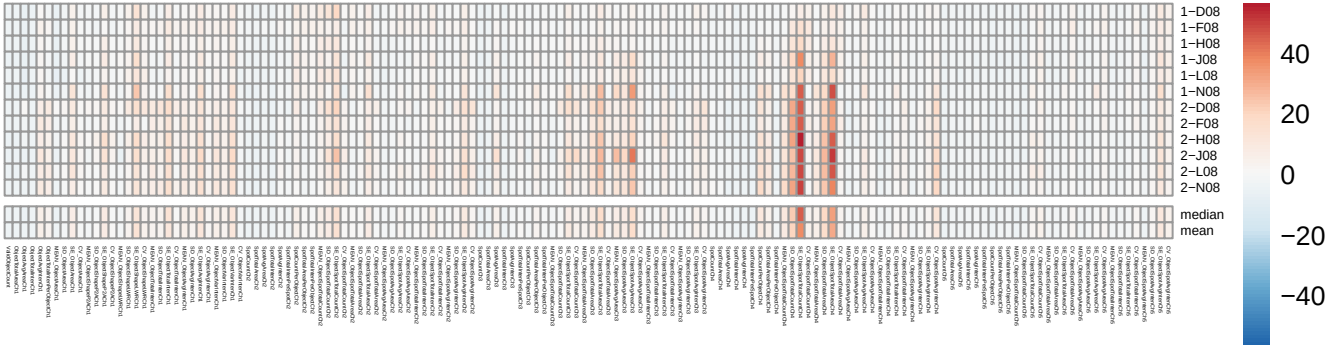

Y_i_med
Y_i_mean
0
10
20
30
40
50
60
0
20
40
60

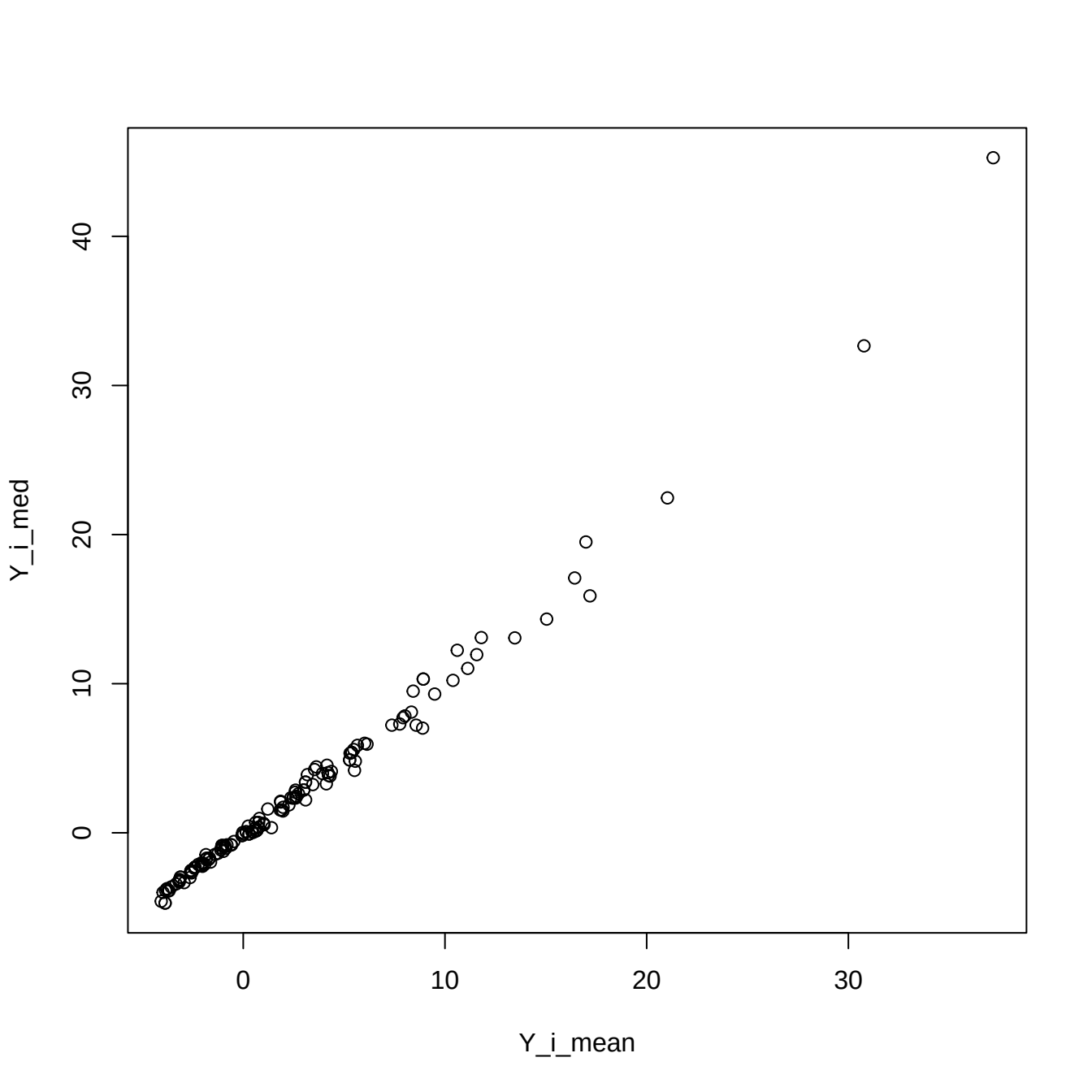
Design experiment 40 (replicates)

Scaled features, experiment 40



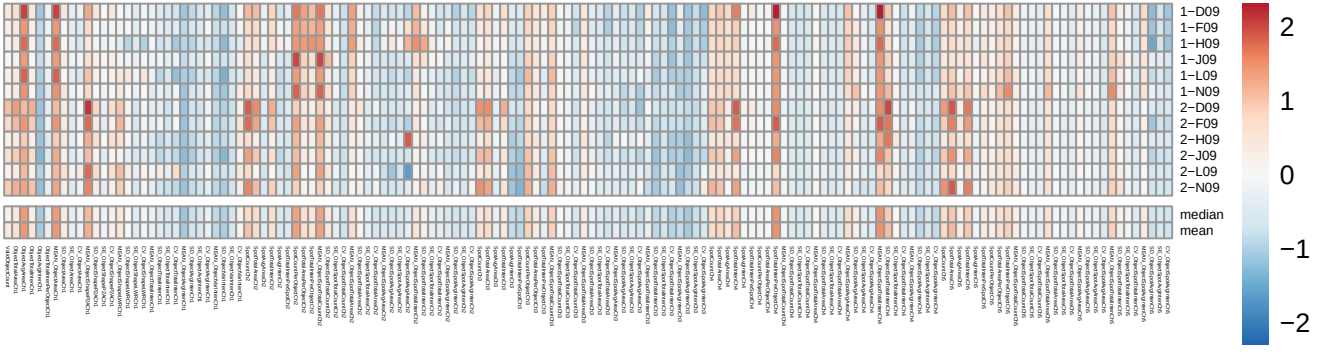
Measured features before scaling, experiment 40



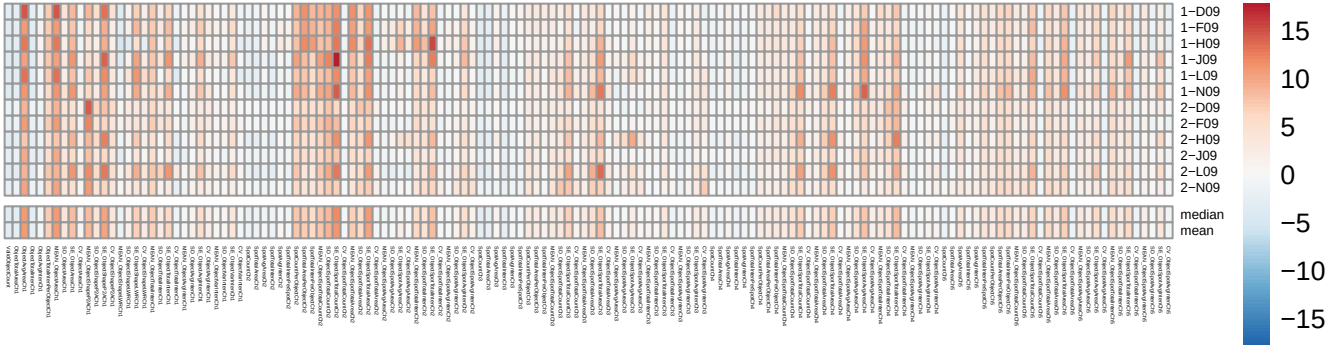

Y_i_med
Y_i_mean
0
10
20
30
40
0
10
20
30

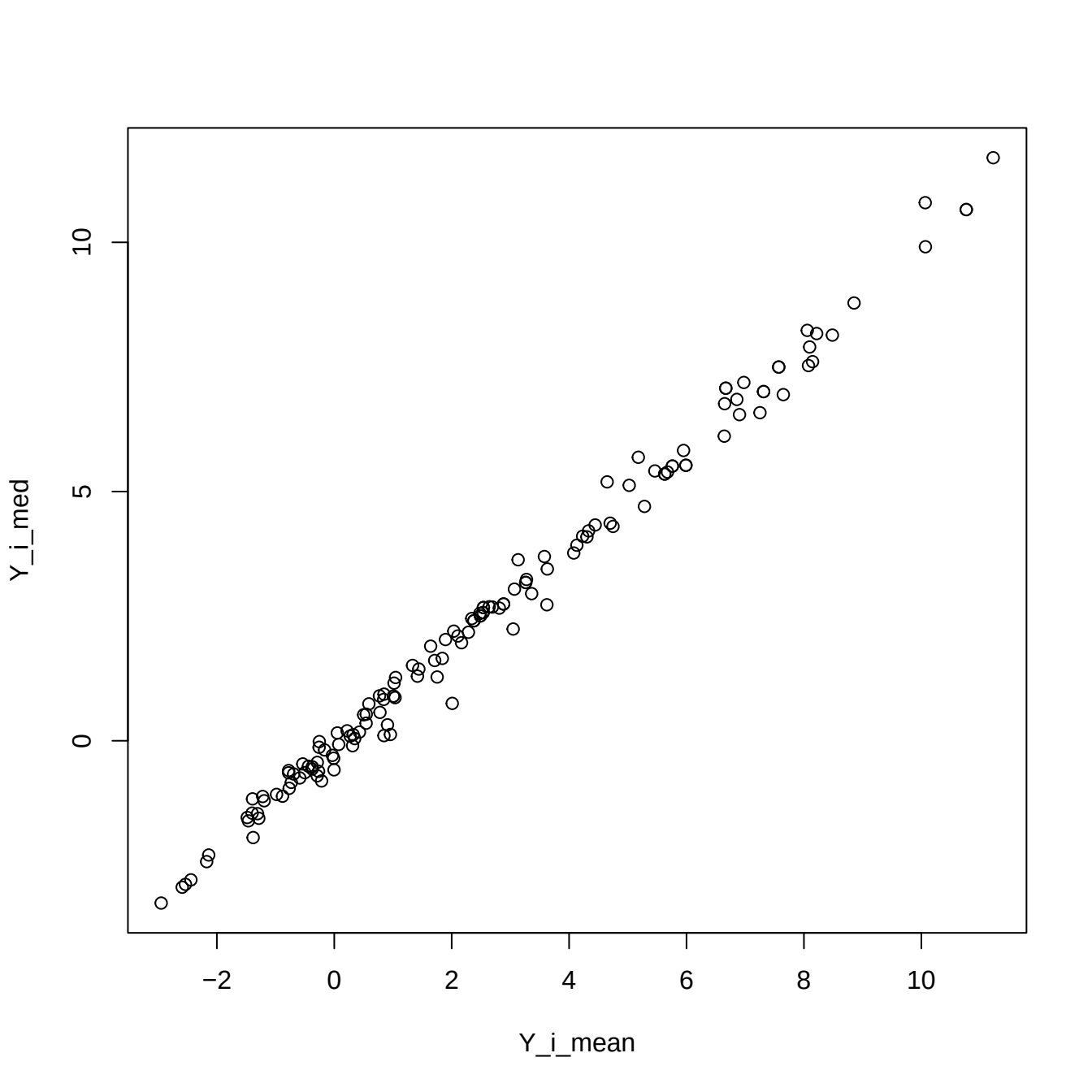
Design experiment 41 (replicates)

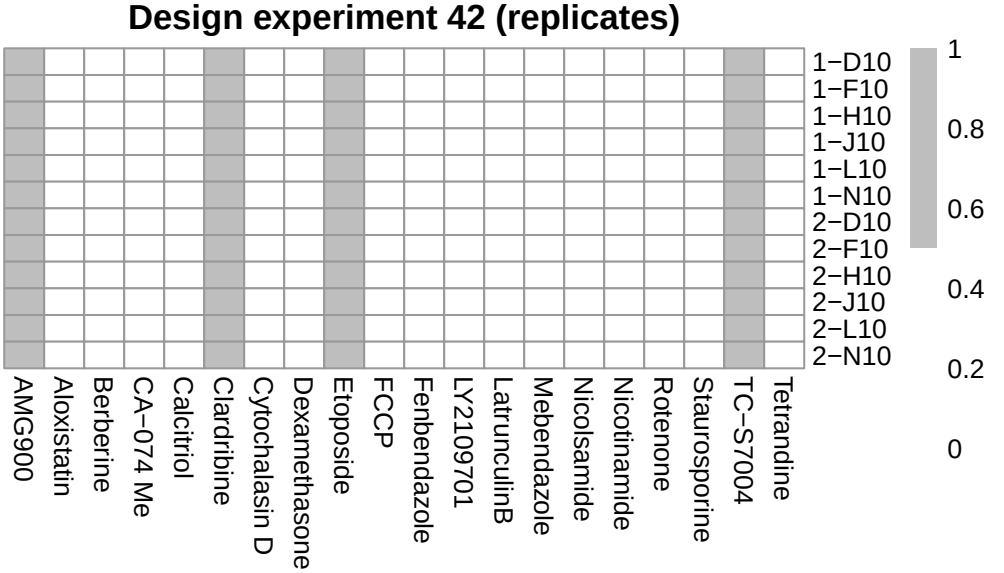
Scaled features, experiment 41



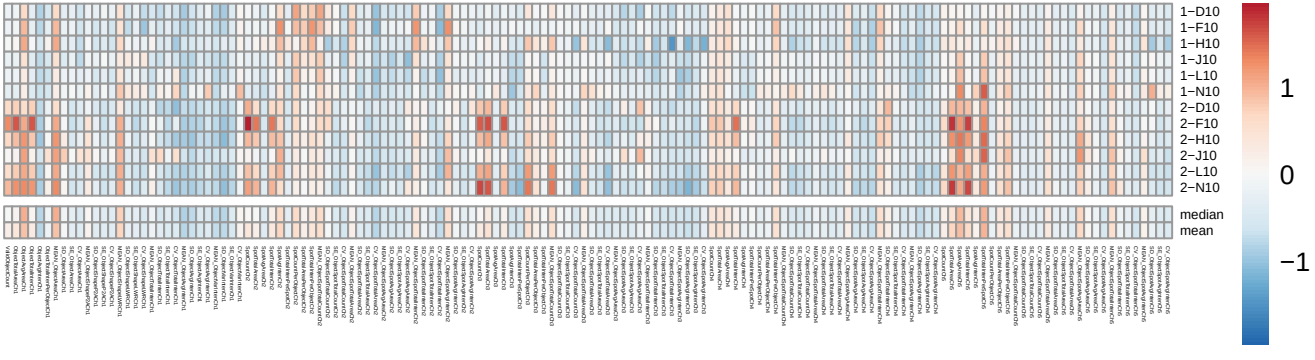
Measured features before scaling, experiment 41



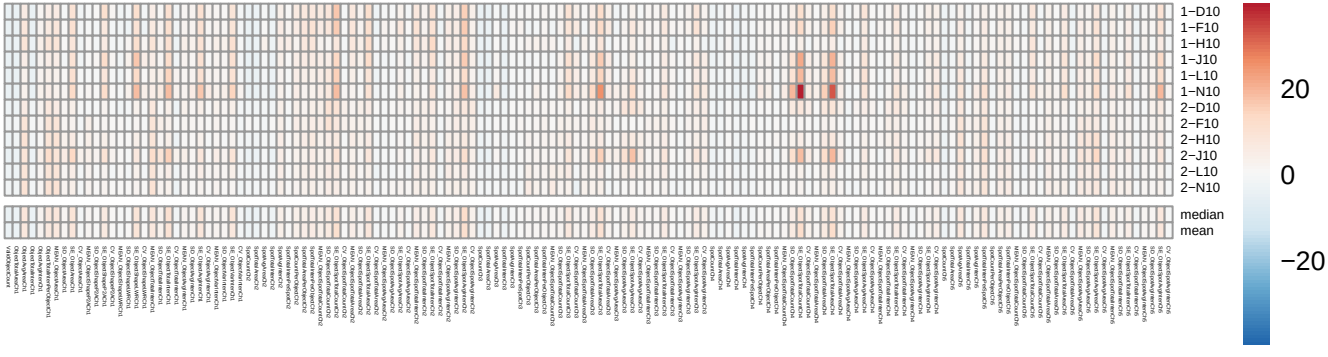

Y_i_med
Y_i_mean
10
5
0
−2
0
2
4
6
8
10

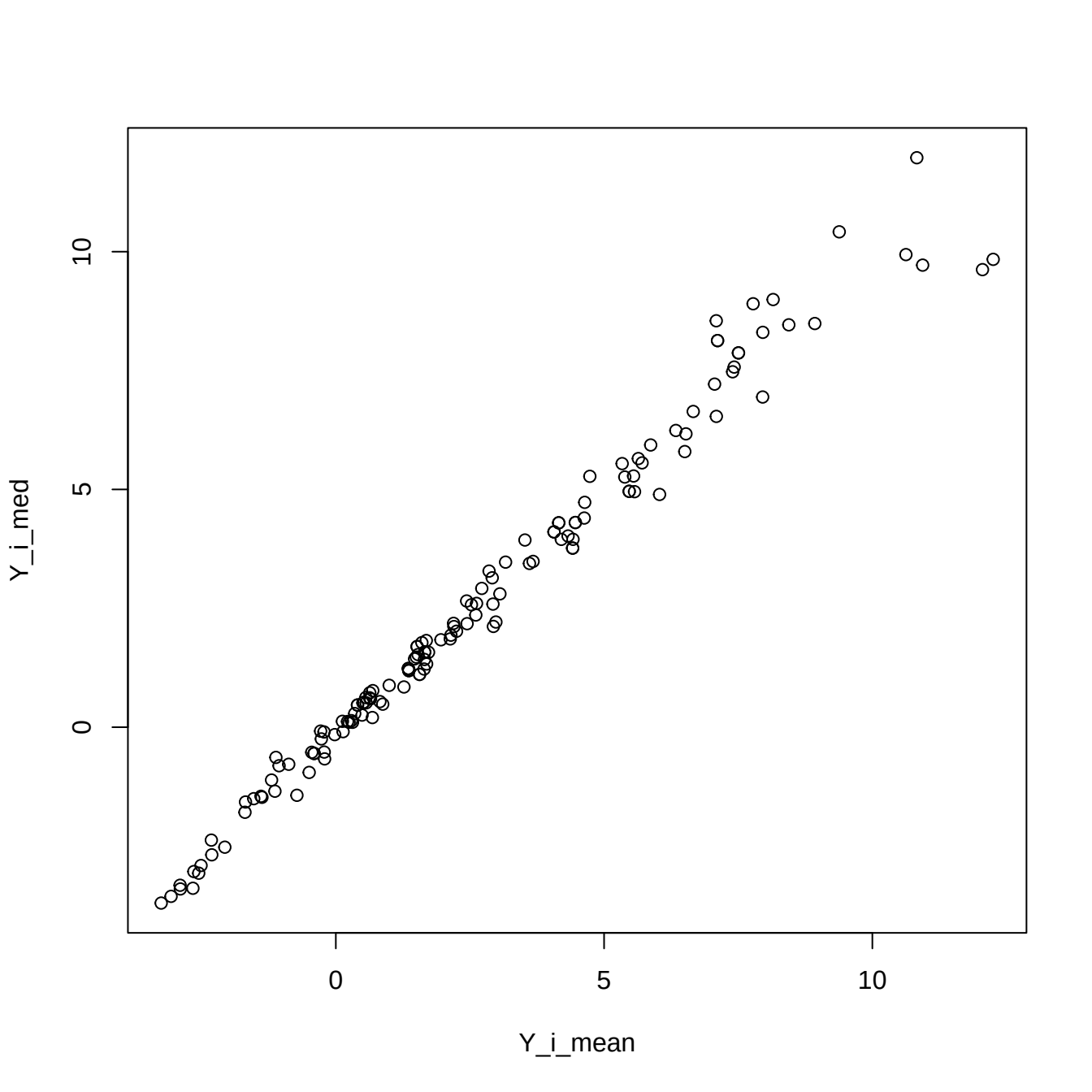

Design experiment 42 (replicates)
1−D10
1−F10
1−H10
1−J10
1−L10
1−N10
2−D10
2−F10
2−H10
2−J10
2−L10
2−N10
Tetrandine
TC−S7004
Staurosporine
Rotenone
Nicotinamide
Nicolsamide
Mebendazole
LatrunculinB
LY2109701
Fenbendazole
FCCP
Etoposide
Dexamethasone
Cytochalasin D
Clardribine
Calcitriol
CA−074 Me
Berberine
Aloxistatin
AMG900
1
0.8
0.6
0.4
0.2
0

Scaled features, experiment 42



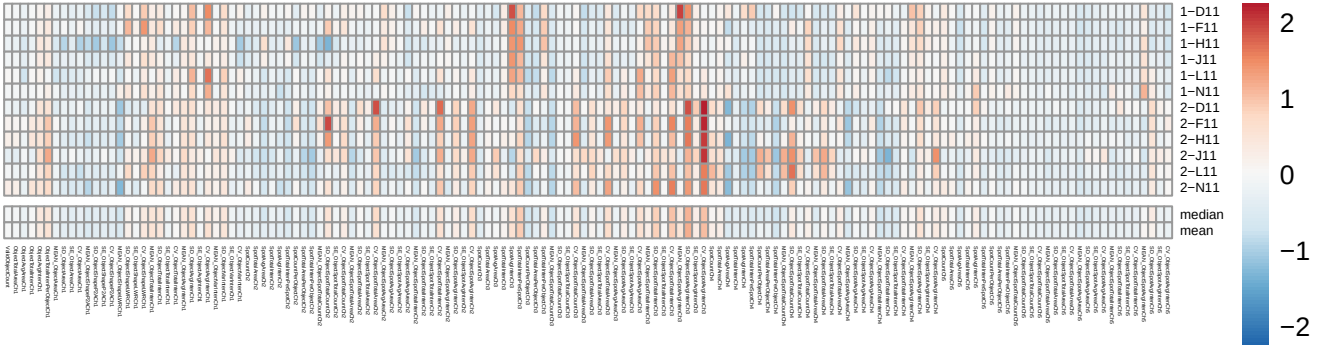
Measured features before scaling, experiment 42



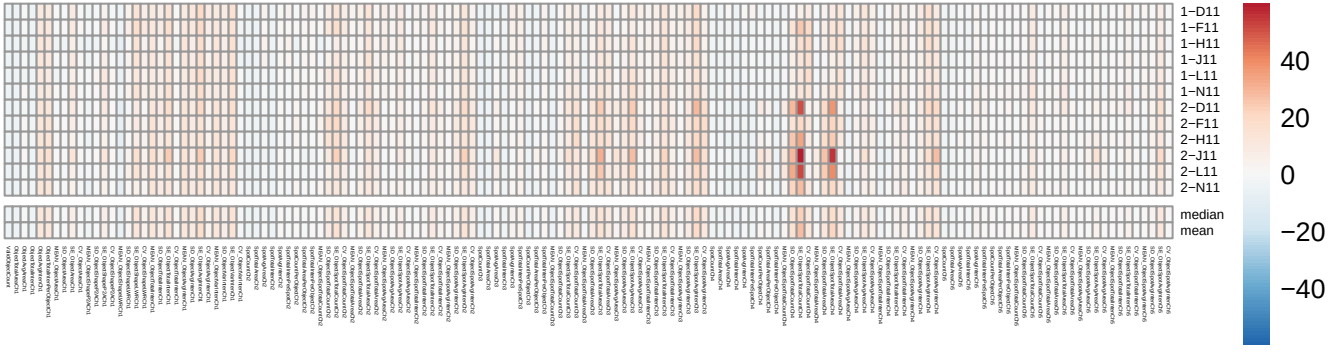

Y_i_med
Y_i_mean
0
5
10
0
5
10

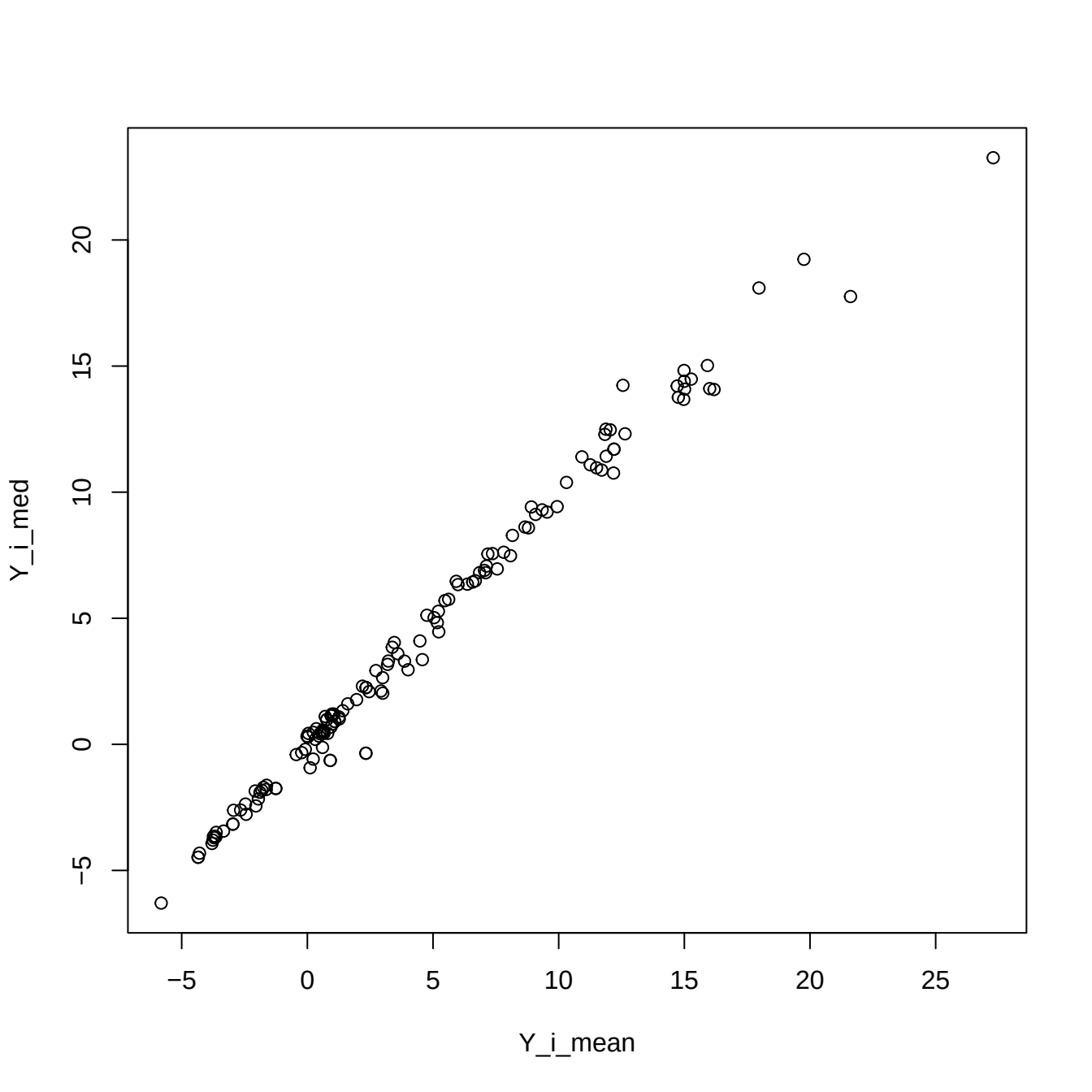
Design experiment 43 (replicates)

Scaled features, experiment 43



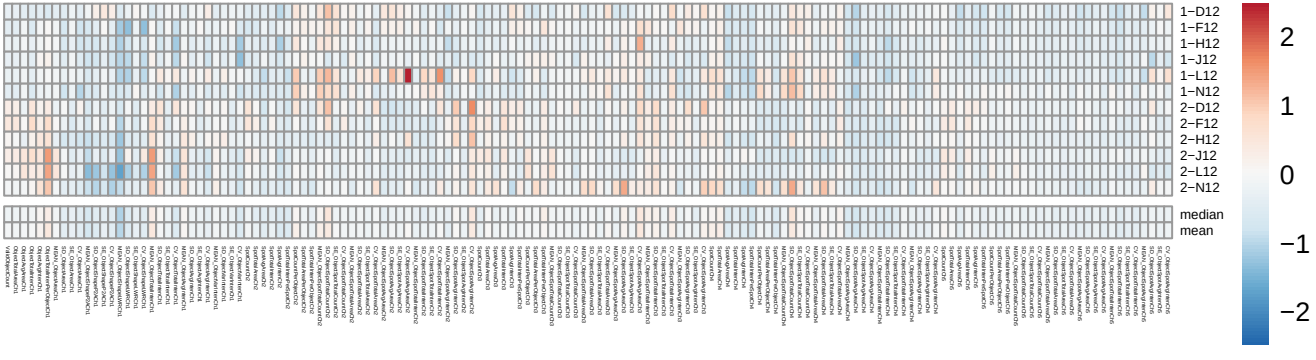
Measured features before scaling, experiment 43



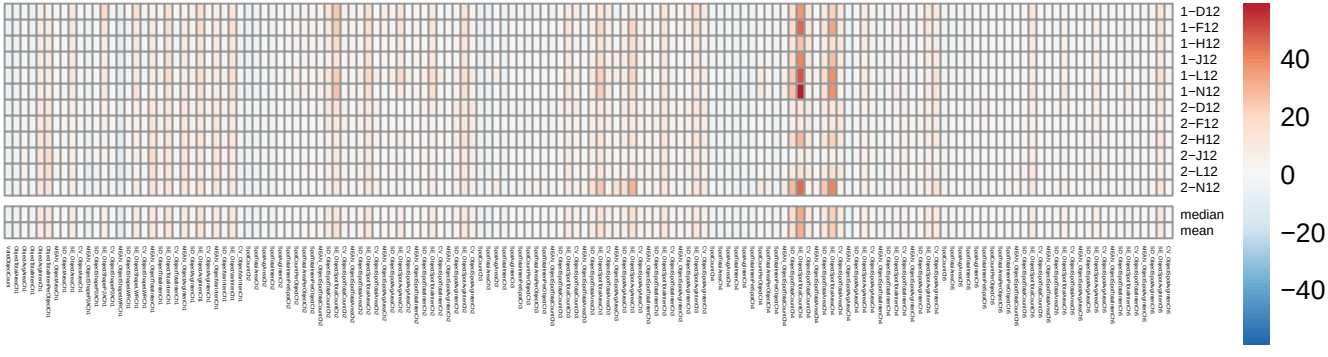

Y_i_med
Y_i_mean
−5
0
5
10
15
20
25

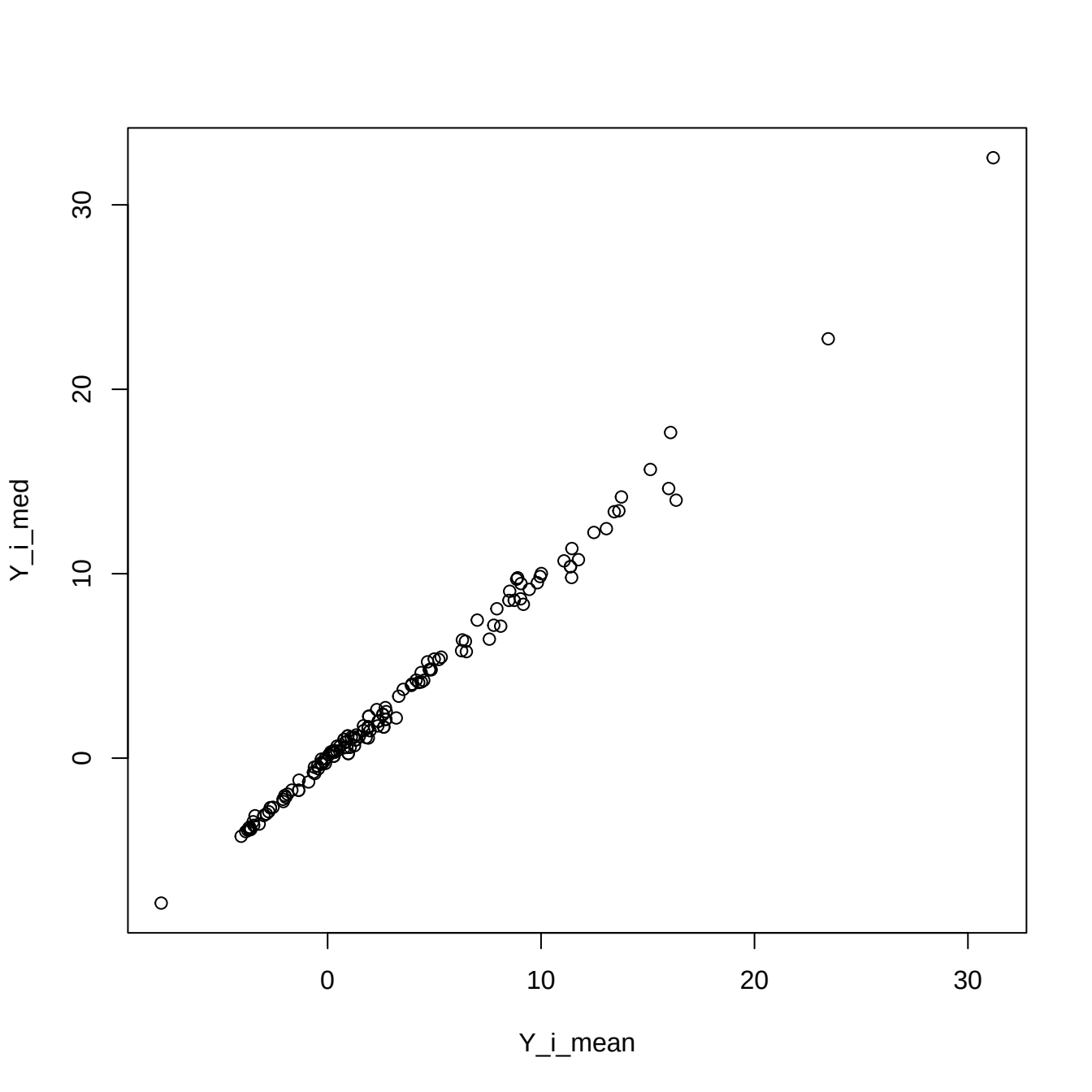
Design experiment 44 (replicates)

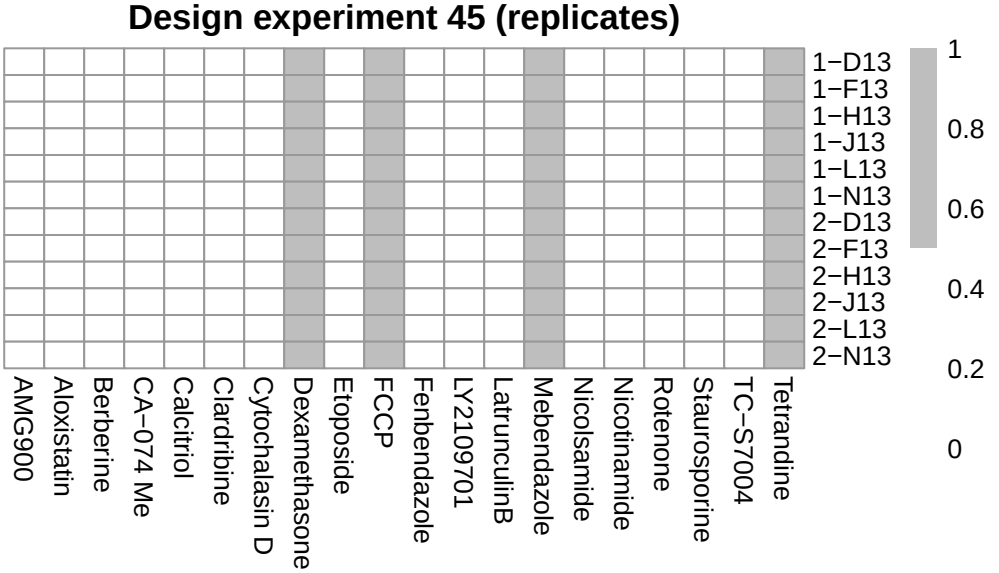
Scaled features, experiment 44



Measured features before scaling, experiment 44

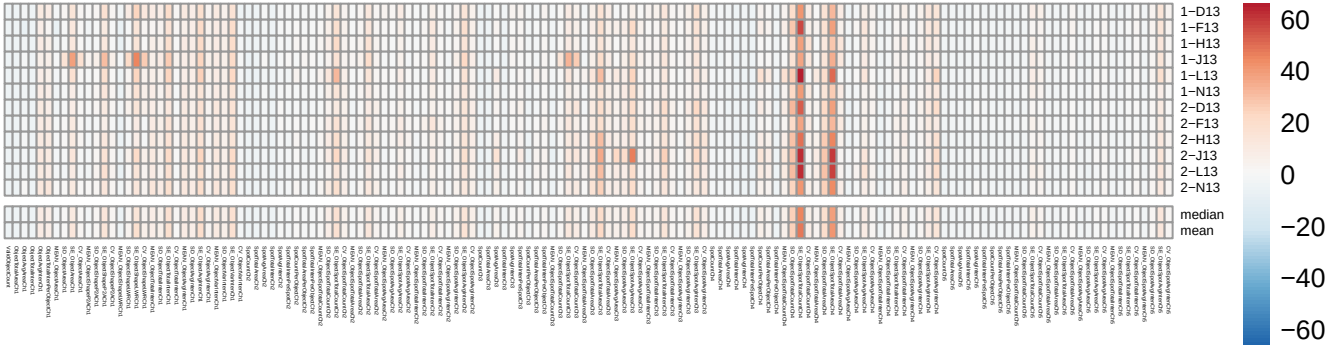


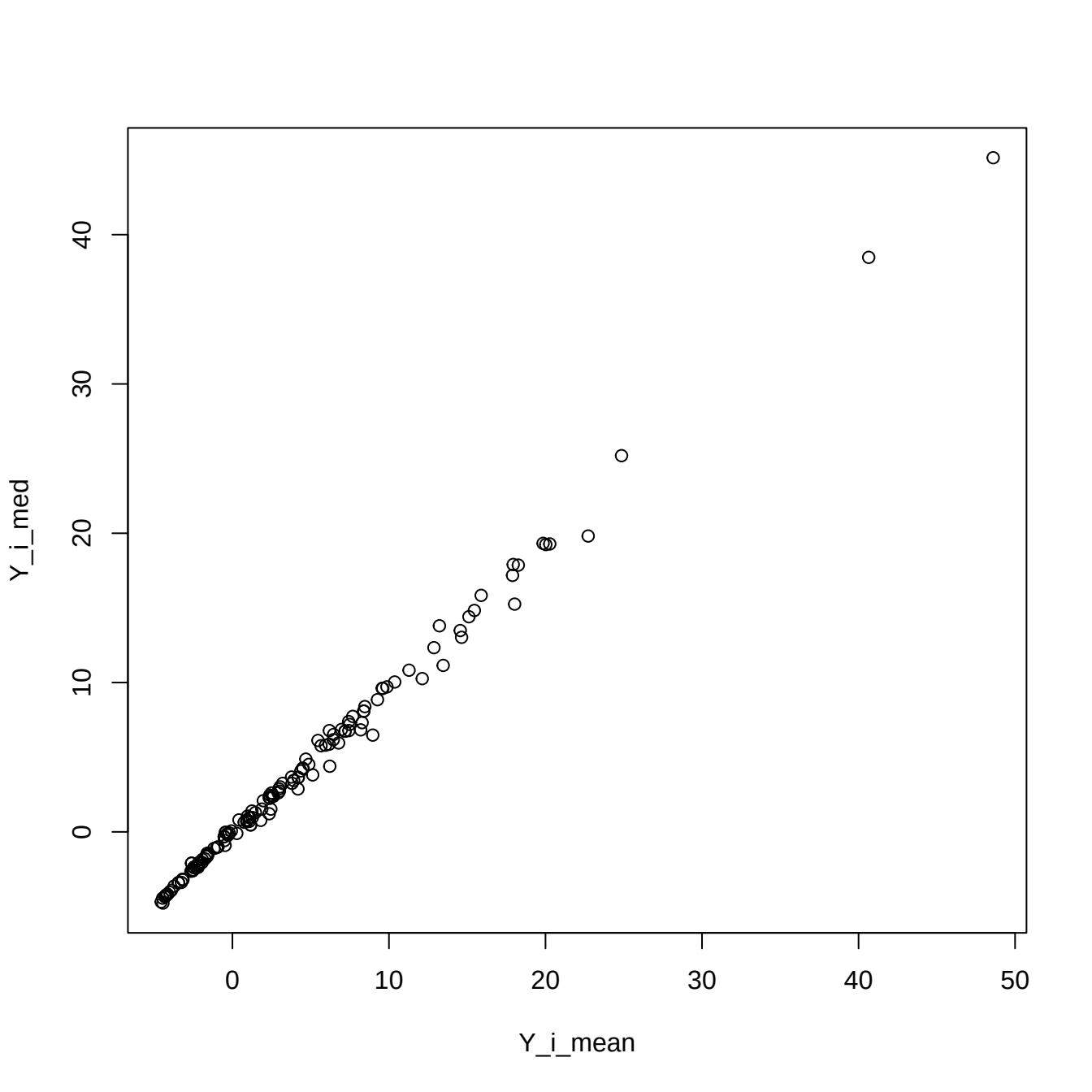

Y_i_med
Y_i_mean
30
20
10
0
0
10
20
30

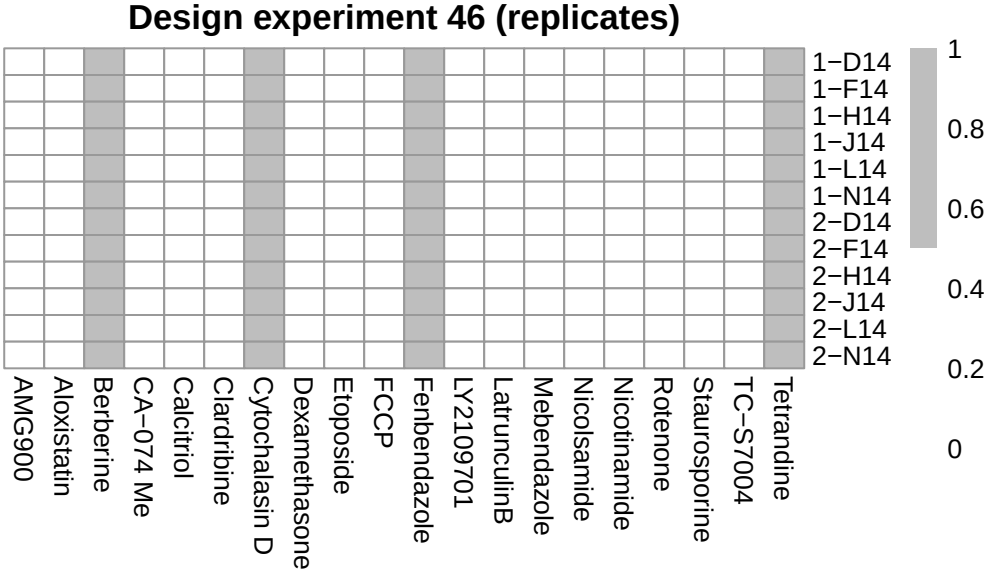

Design experiment 45 (replicates)
1−D13
1−F13
1−H13
1−J13
1−L13
1−N13
2−D13
2−F13
2−H13
2−J13
2−L13
2−N13
Tetrandine
TC−S7004
Staurosporine
Rotenone
Nicotinamide
Nicolsamide
Mebendazole
LatrunculinB
LY2109701
Fenbendazole
FCCP
Etoposide
Dexamethasone
Cytochalasin D
Clardribine
Calcitriol
CA−074 Me
Berberine
Aloxistatin
AMG900
1
0.8
0.6
0.4
0.2
0

Scaled features, experiment 45

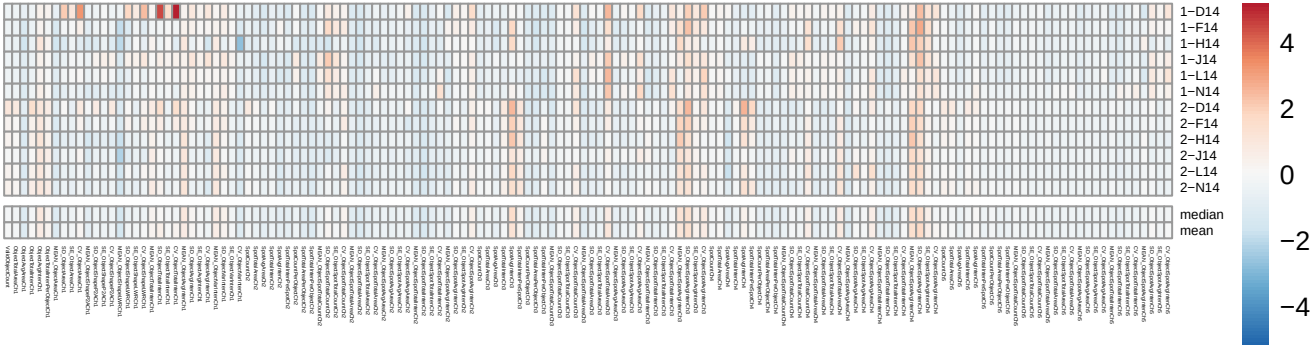
Measured features before scaling, experiment 45



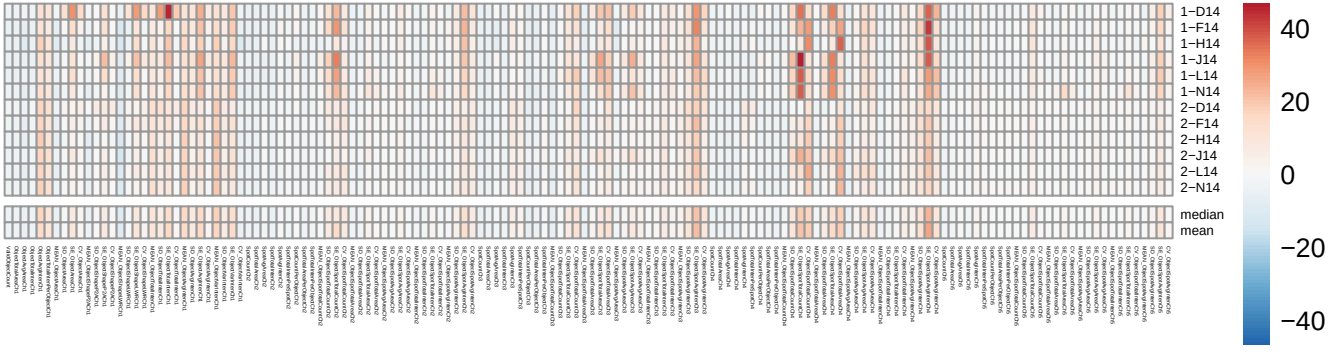

Y_i_med
Y_i_mean
0
10
20
30
40
50

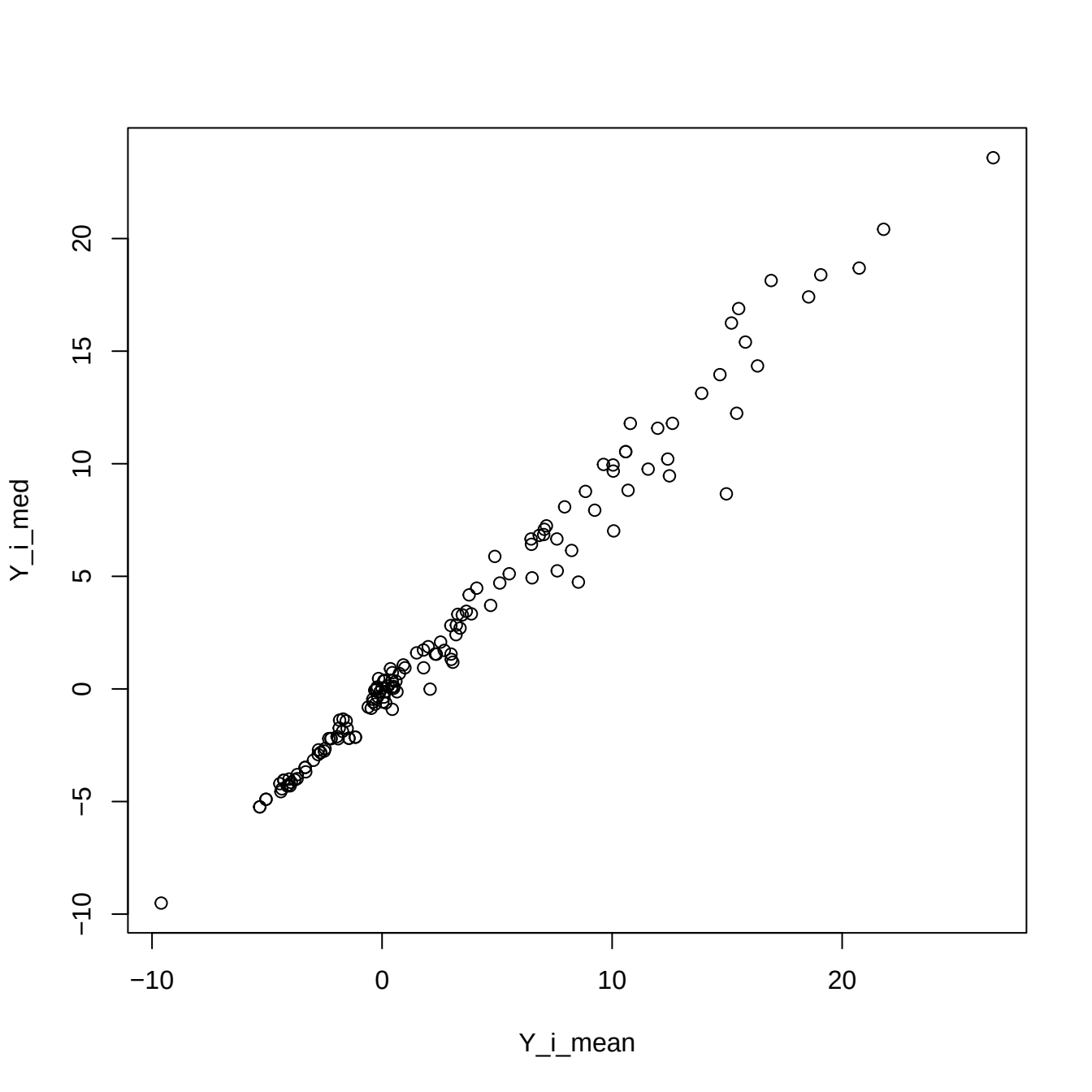

Design experiment 46 (replicates)
1−D14
1−F14
1−H14
1−J14
1−L14
1−N14
2−D14
2−F14
2−H14
2−J14
2−L14
2−N14
Tetrandine
TC−S7004
Staurosporine
Rotenone
Nicotinamide
Nicolsamide
Mebendazole
LatrunculinB
LY2109701
Fenbendazole
FCCP
Etoposide
Dexamethasone
Cytochalasin D
Clardribine
Calcitriol
CA−074 Me
Berberine
Aloxistatin
AMG900
1
0.8
0.6
0.4
0.2
0

Scaled features, experiment 46



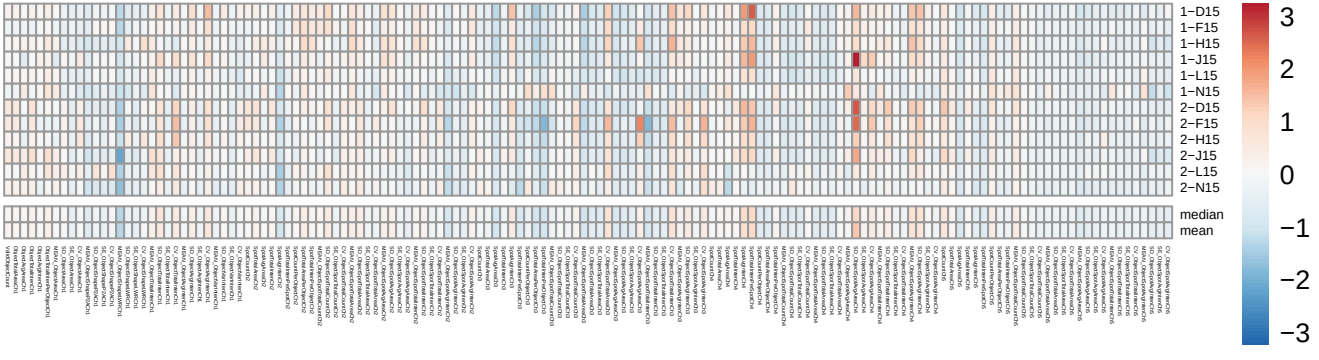
Measured features before scaling, experiment 46



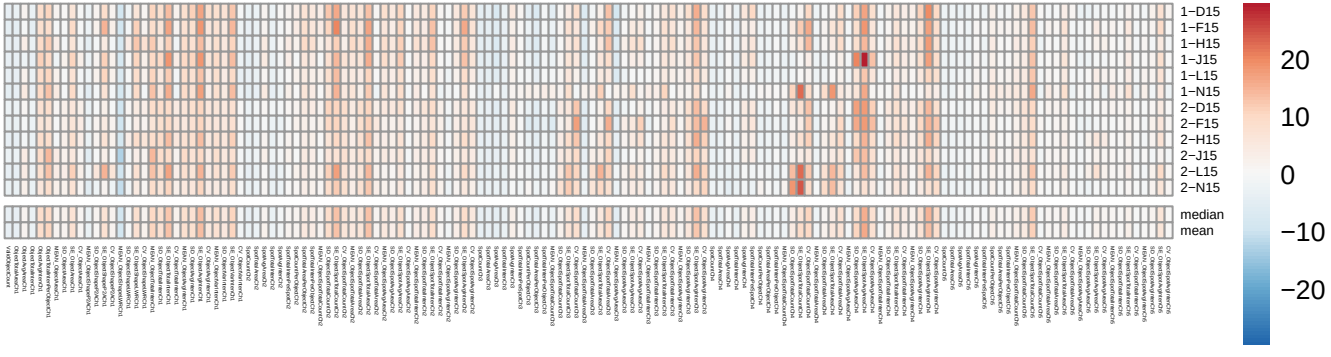

Y_i_med
Y_i_mean
−10
−5
0
5
10
15
20
−10
0
10
20

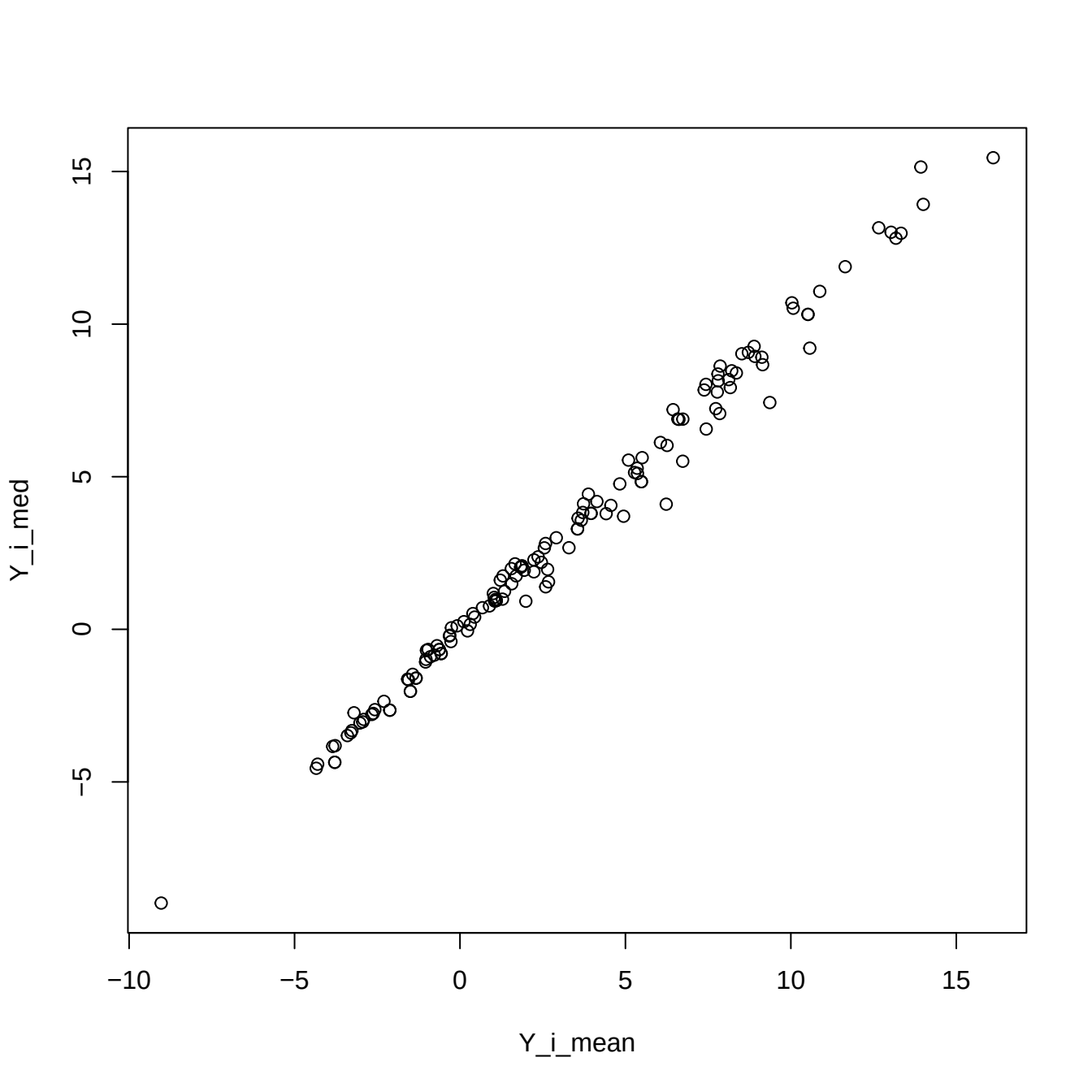
Design experiment 47 (replicates)

Scaled features, experiment 47



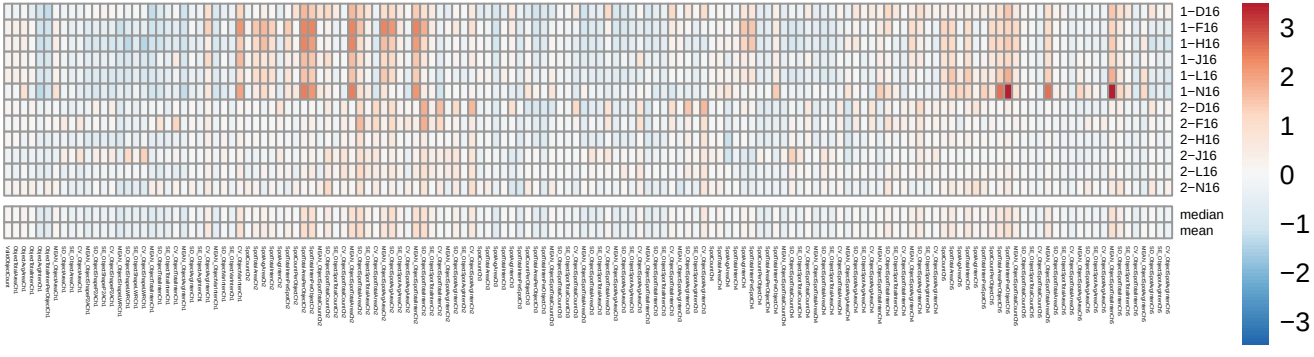
Measured features before scaling, experiment 47



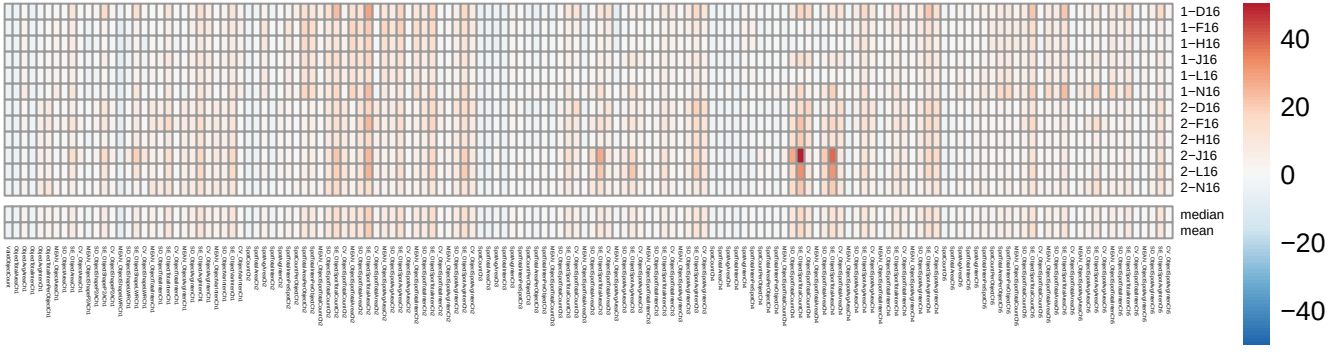

Y_i_med
Y_i_mean
15
10
5
0
−5
−10
−5
0
5
10
15

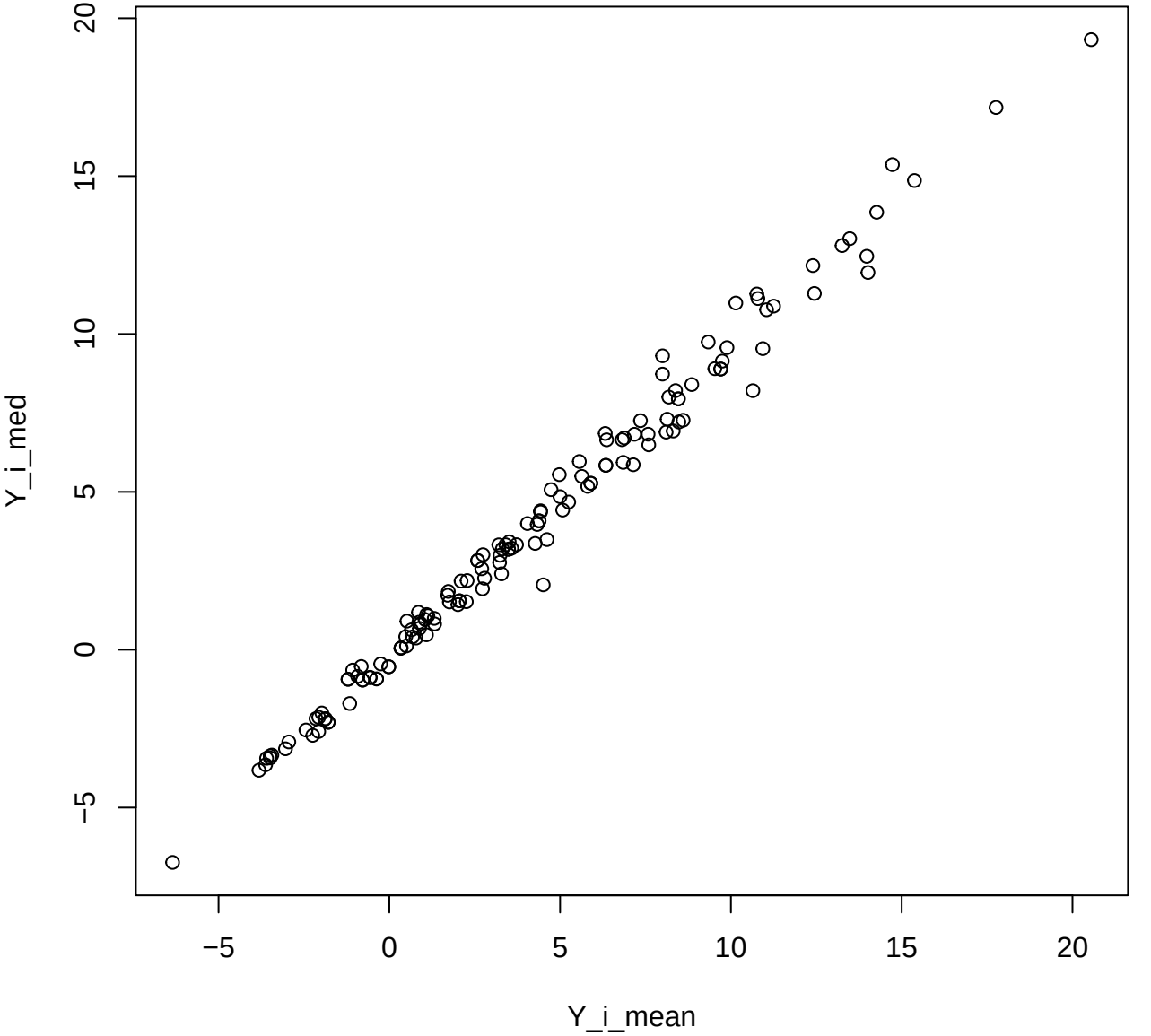
Design experiment 48 (replicates)
1−D16
1−F16
1−H16
1−J16
1−L16
1−N16
2−D16
2−F16
2−H16
2−J16
2−L16
2−N16
Tetrandine
TC−S7004
Staurosporine
Rotenone
Nicotinamide
Nicolsamide
Mebendazole
LatrunculinB
LY2109701
Fenbendazole
FCCP
Etoposide
Dexamethasone
Cytochalasin D
Clardribine
Calcitriol
CA−074 Me
Berberine
Aloxistatin
AMG900
1
0.8
0.6
0.4
0.2
0

Scaled features, experiment 48



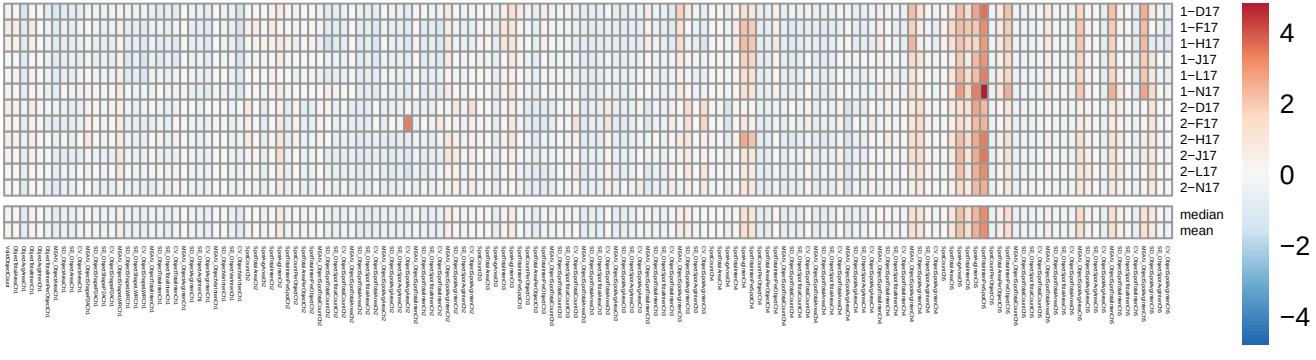
Measured features before scaling, experiment 48



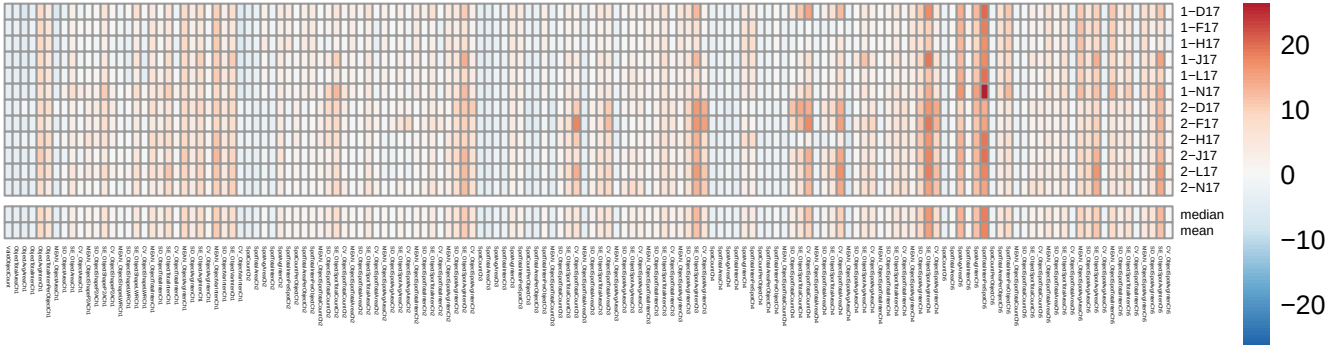

Y_i_med
Y_i_mean
20
15
10
5
0
−5
−5
0
5
10
15
20

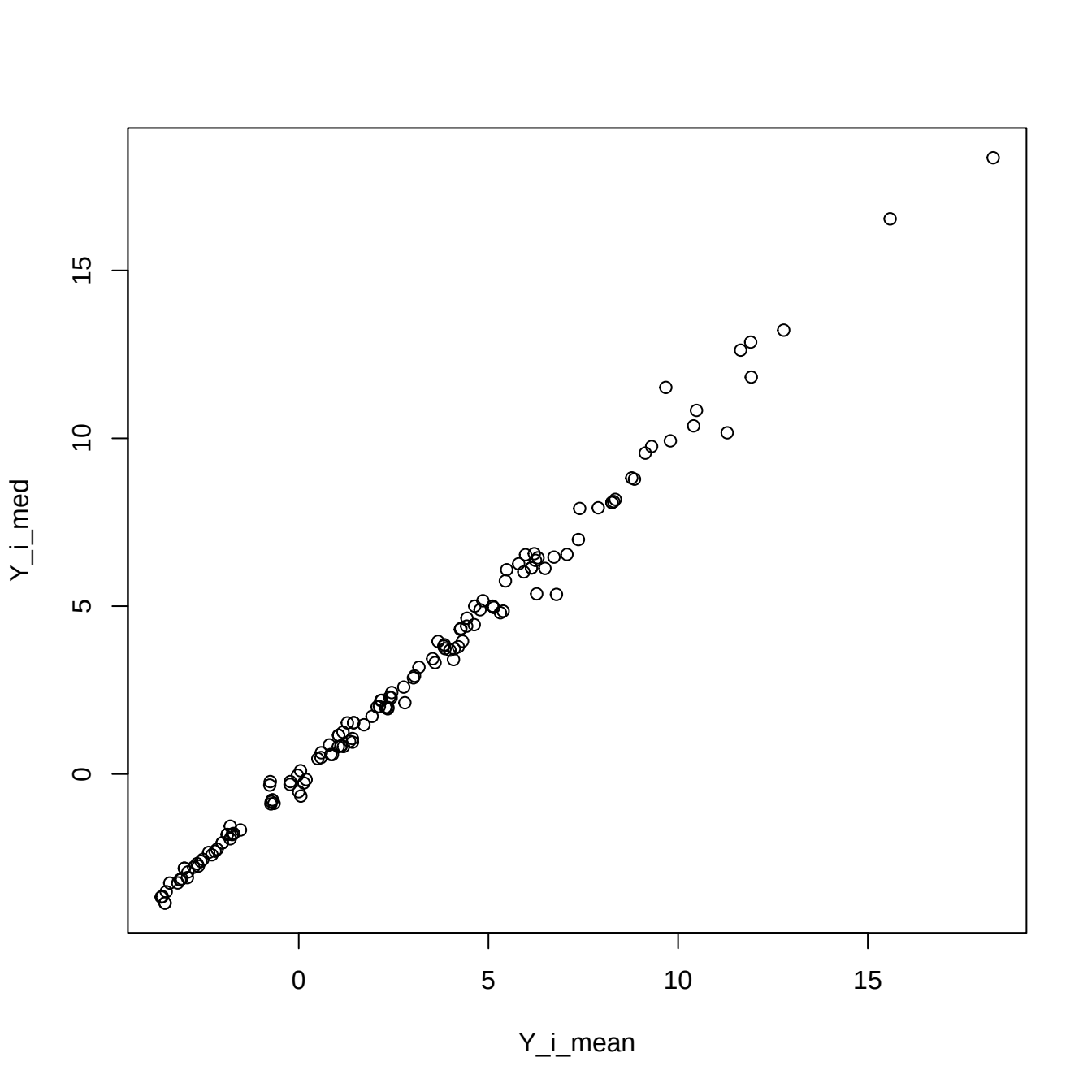
Design experiment 49 (replicates)

Scaled features, experiment 49



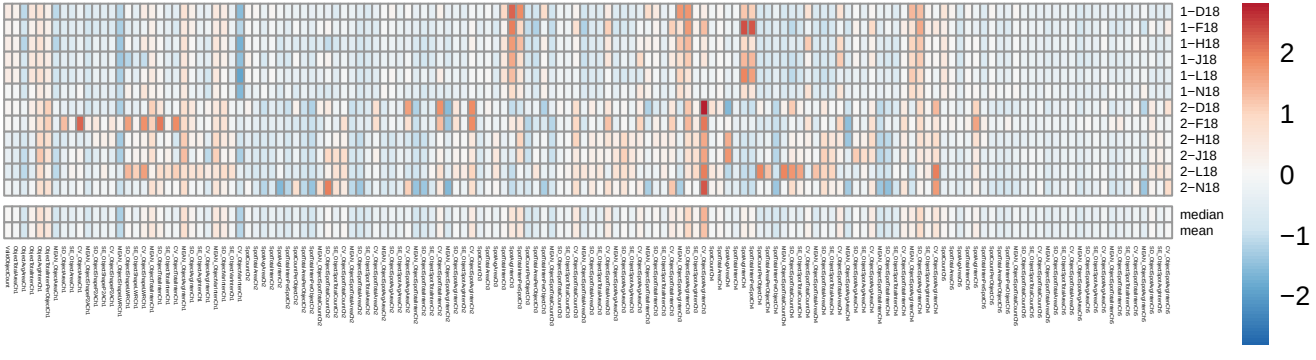
Measured features before scaling, experiment 49



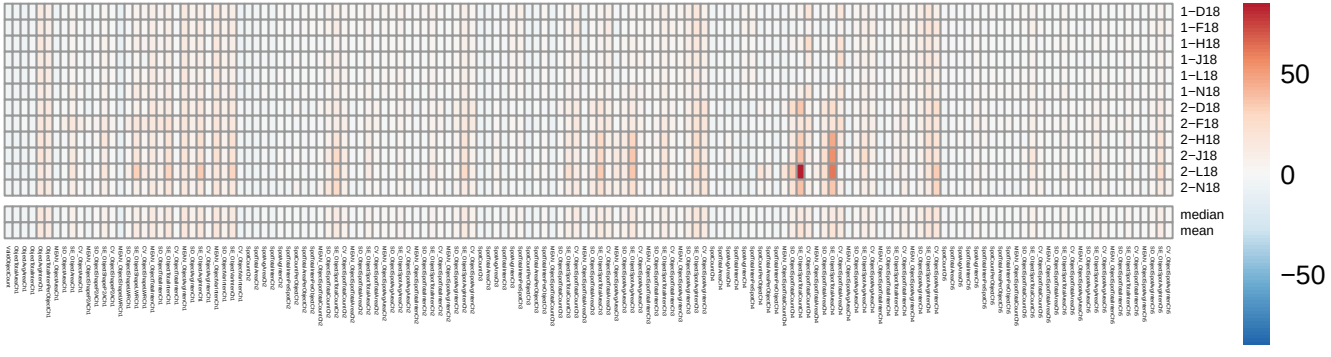

Y_i_med
Y_i_mean
0
5
10
15
0
5
10
15

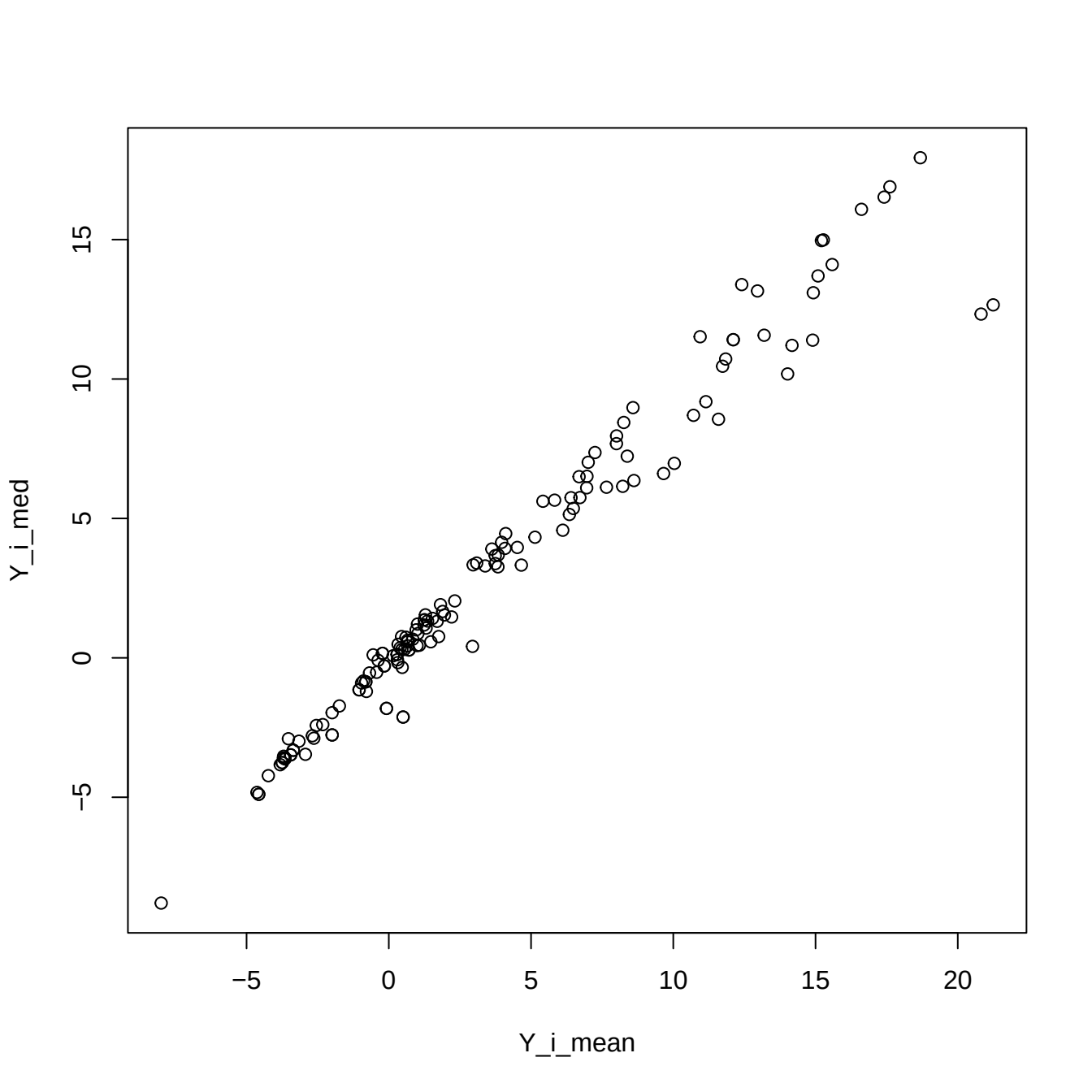
Design experiment 50 (replicates)

Scaled features, experiment 50



Measured features before scaling, experiment 50




Y_i_med
Y_i_mean
−5
0
5
10
15
20
−5
0
5
10
15