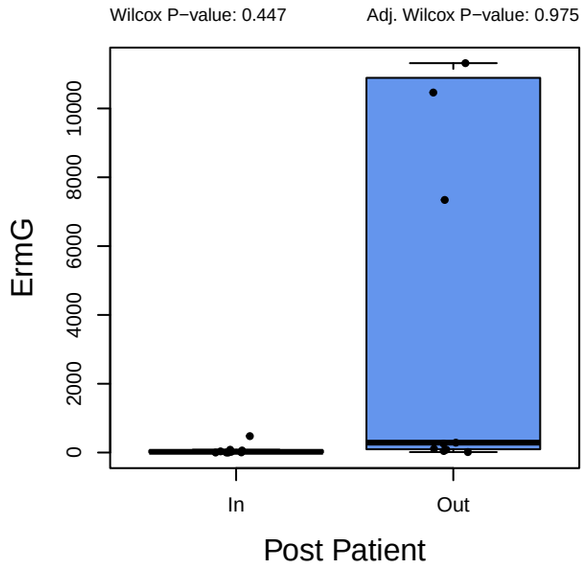
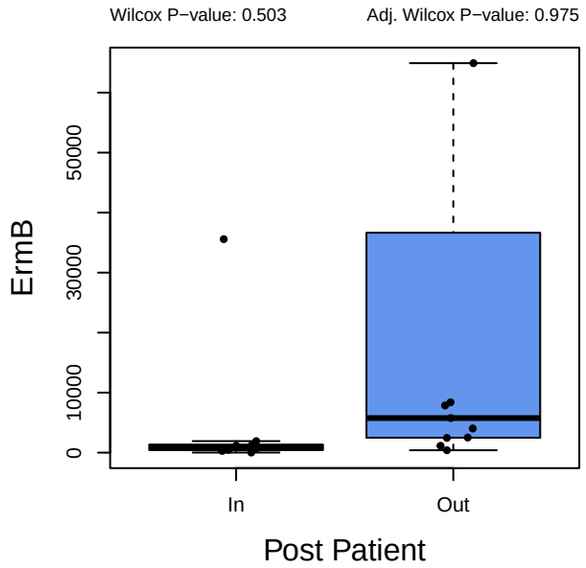
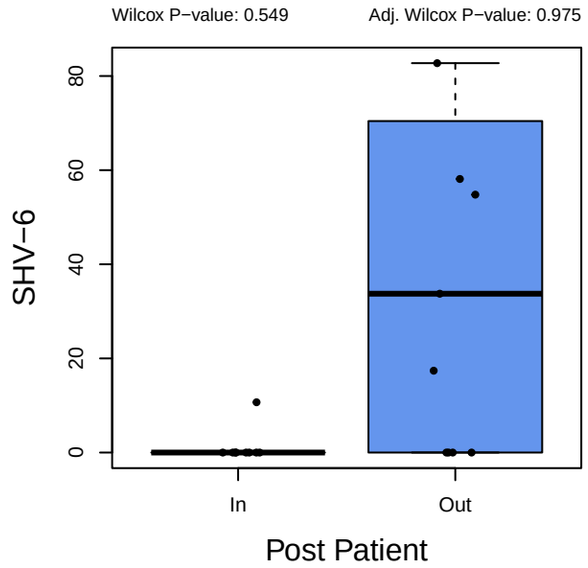
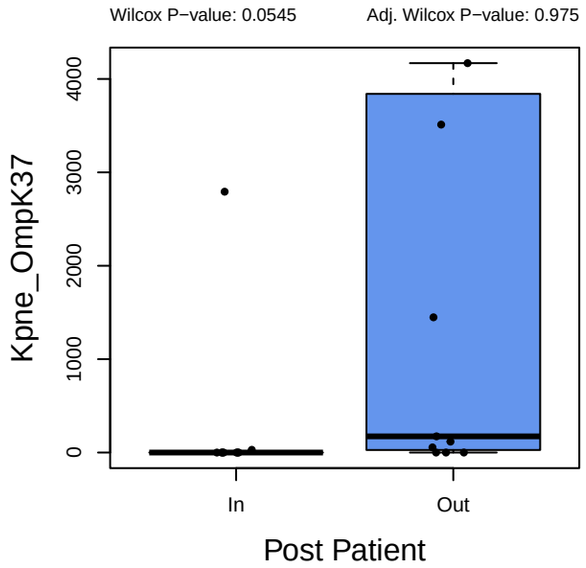
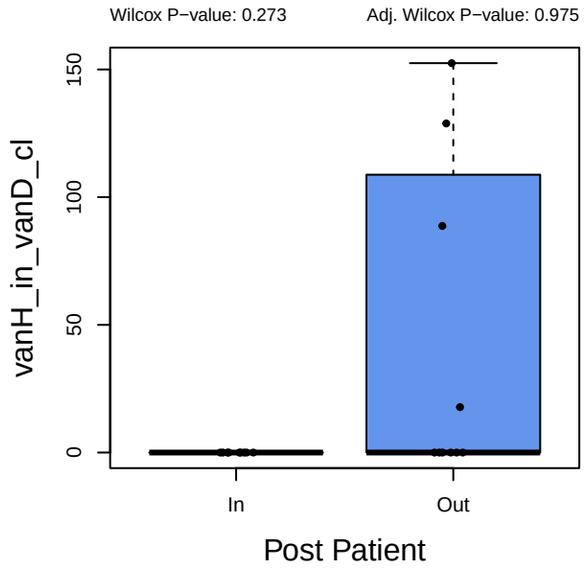
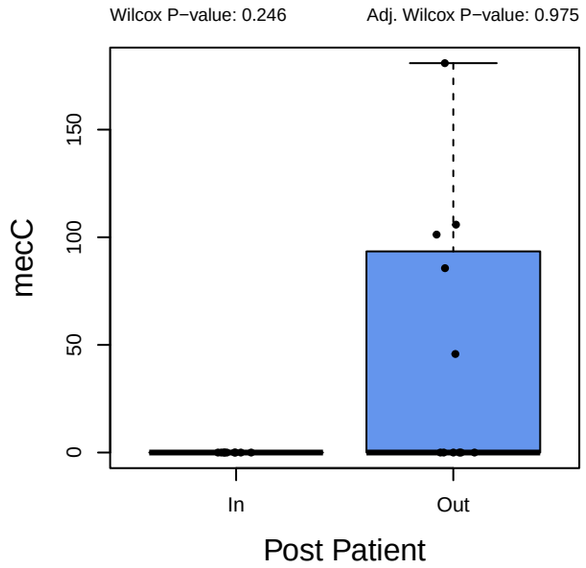

Wilcox P−value: 0.447
Adj. Wilcox P−value: 0.975
ErmG
0
2000
4000
6000
8000
10000
In
Out
Post Patient

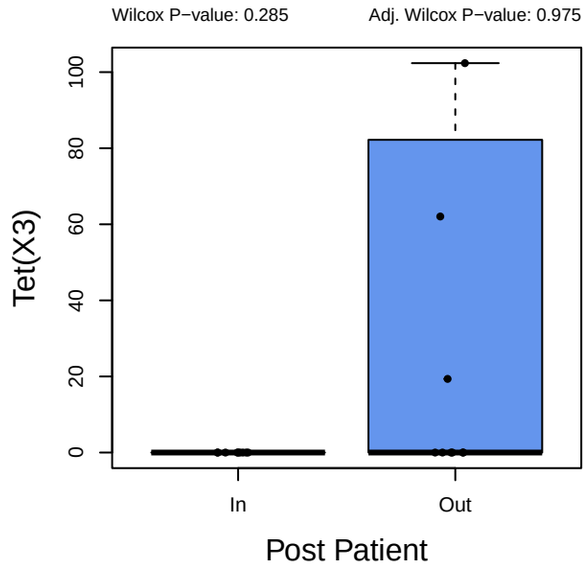

Wilcox P−value: 0.503
Adj. Wilcox P−value: 0.975
ErmB
0
10000
30000
50000
In
Out
Post Patient

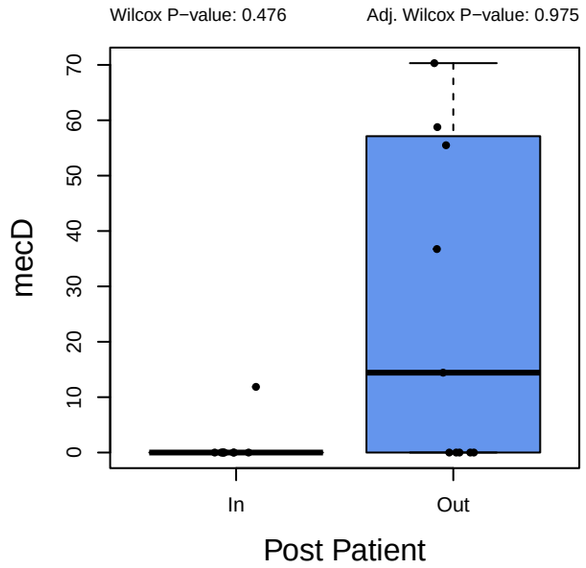

Wilcox P−value: 0.549
Adj. Wilcox P−value: 0.975
SHV−6
0
20
40
60
80
In
Out
Post Patient

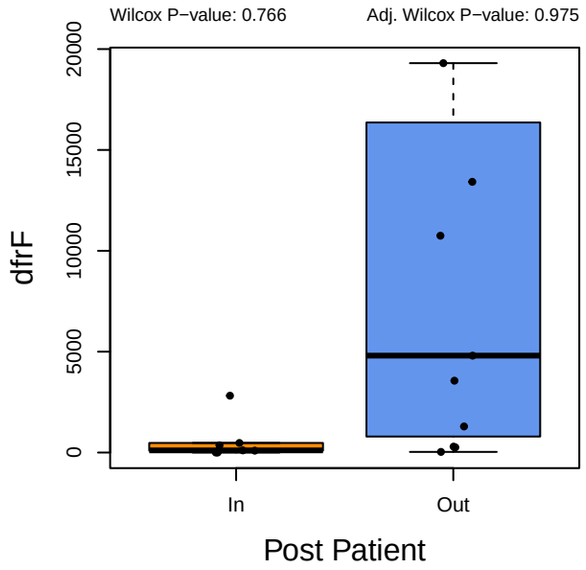

Wilcox P−value: 0.0545
Adj. Wilcox P−value: 0.975
Kpne_OmpK37
0
1000
2000
3000
4000
In
Out
Post Patient

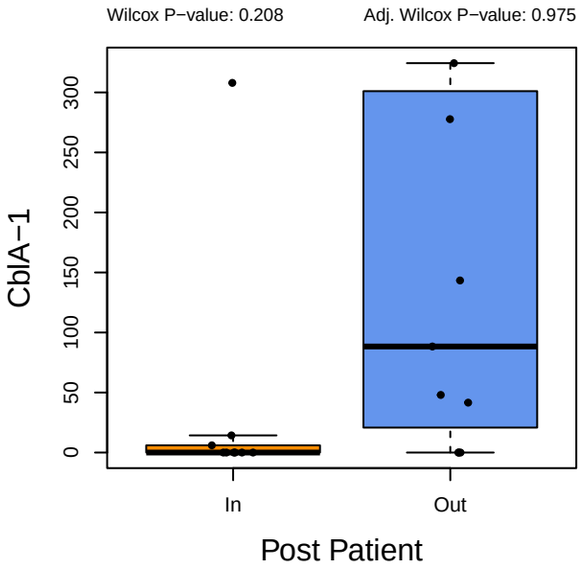

Wilcox P−value: 0.273
Adj. Wilcox P−value: 0.975
vanH_in_vanD_cl
0
50
100
150
In
Out
Post Patient

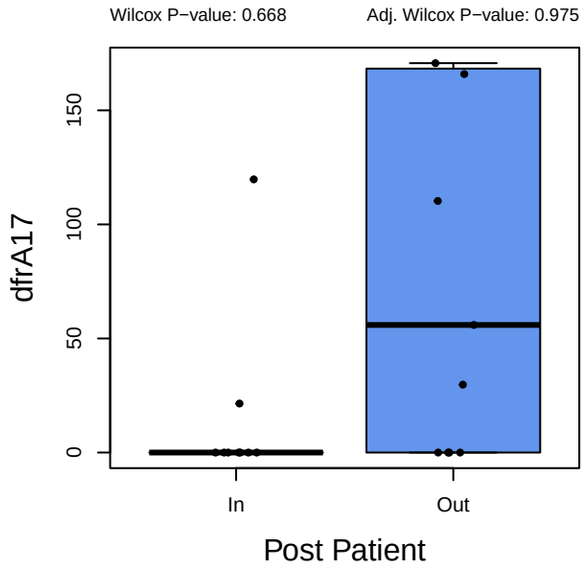

Wilcox P−value: 0.246
Adj. Wilcox P−value: 0.975
mecC
0
50
100
150
In
Out
Post Patient

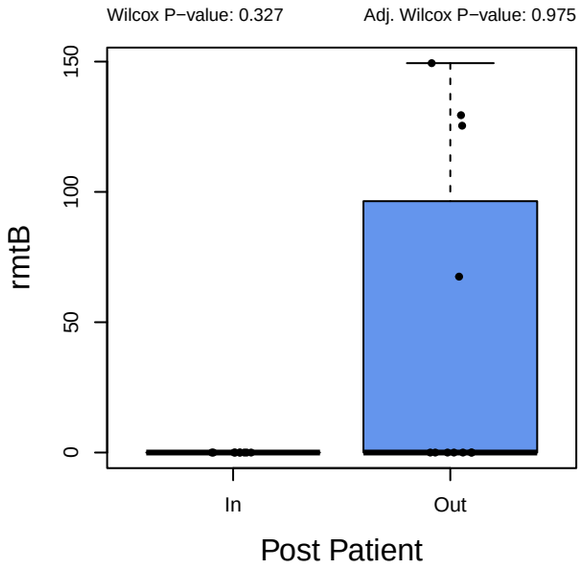

Wilcox P−value: 0.285
Adj. Wilcox P−value: 0.975
Tet(X3)
0
20
40
60
80
100
In
Out
Post Patient

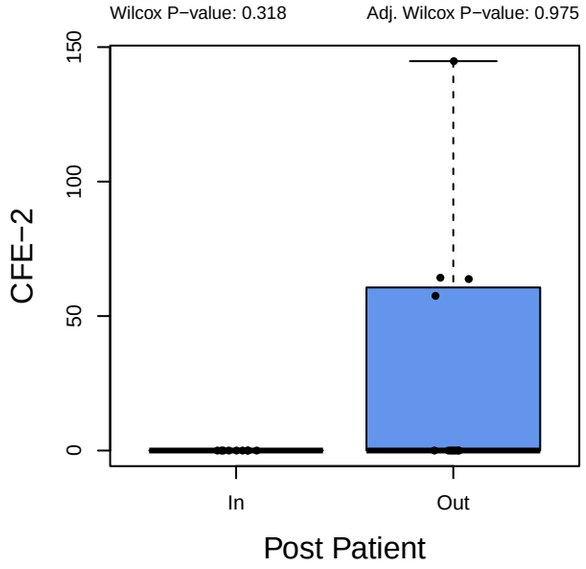

Wilcox P−value: 0.476
Adj. Wilcox P−value: 0.975
mecD
0
10
20
30
40
50
60
70
In
Out
Post Patient

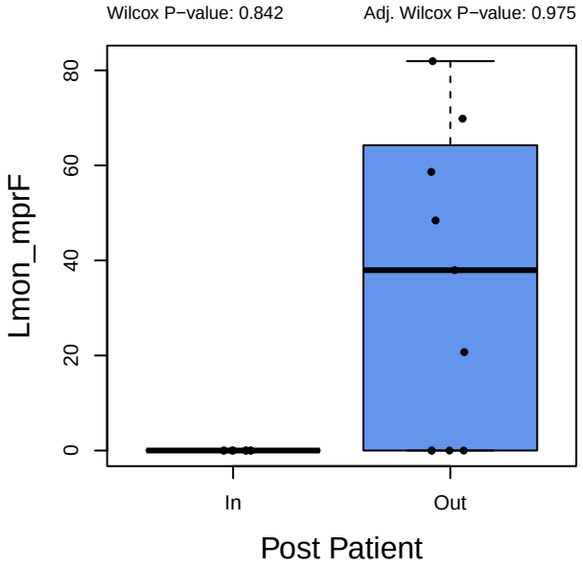

Wilcox P−value: 0.766
Adj. Wilcox P−value: 0.975
dfrF
0
5000
10000
15000
20000
In
Out
Post Patient

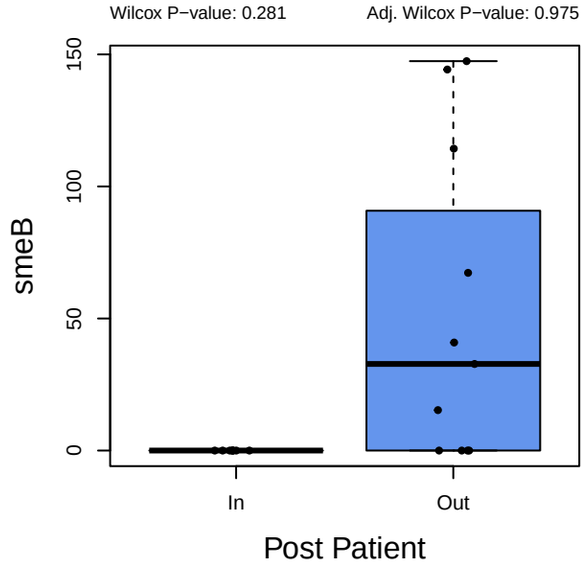

Wilcox P−value: 0.208
Adj. Wilcox P−value: 0.975
CblA−1
0
50
100
150
200
250
300
In
Out
Post Patient

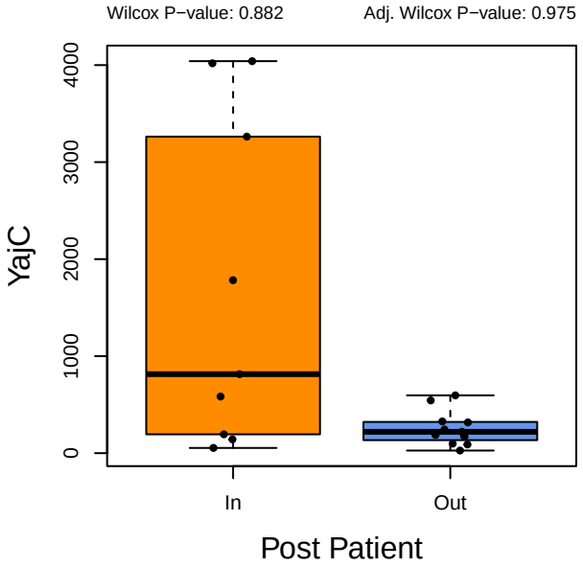

Wilcox P−value: 0.668
Adj. Wilcox P−value: 0.975
dfrA17
0
50
100
150
In
Out
Post Patient

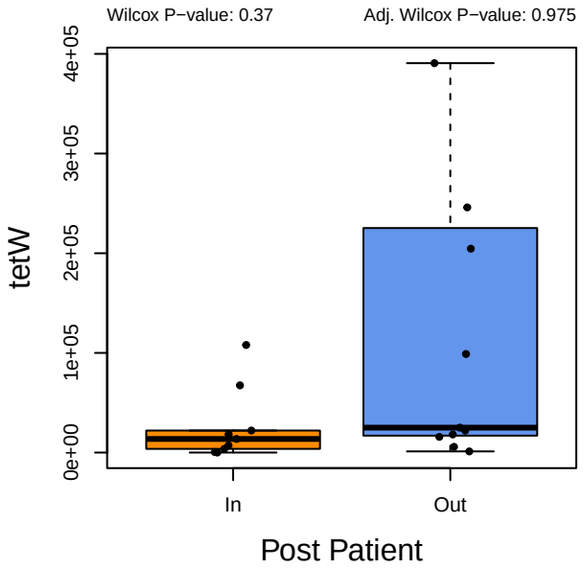

Wilcox P−value: 0.327
Adj. Wilcox P−value: 0.975
rmtB
0
50
100
150
In
Out
Post Patient

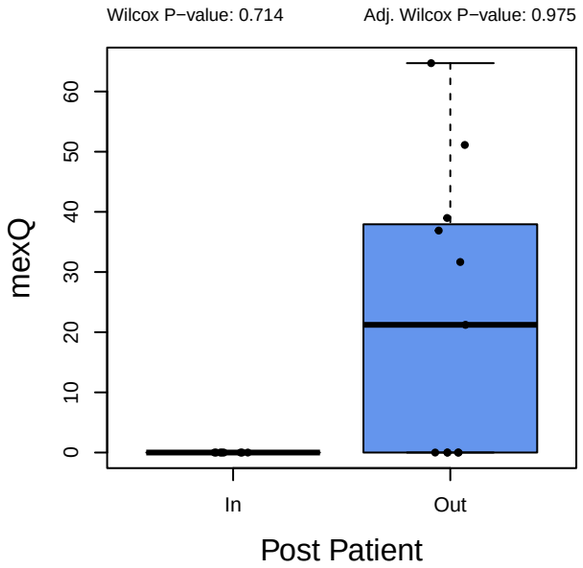

Wilcox P−value: 0.318
Adj. Wilcox P−value: 0.975
CFE−2
0
50
100
150
In
Out
Post Patient

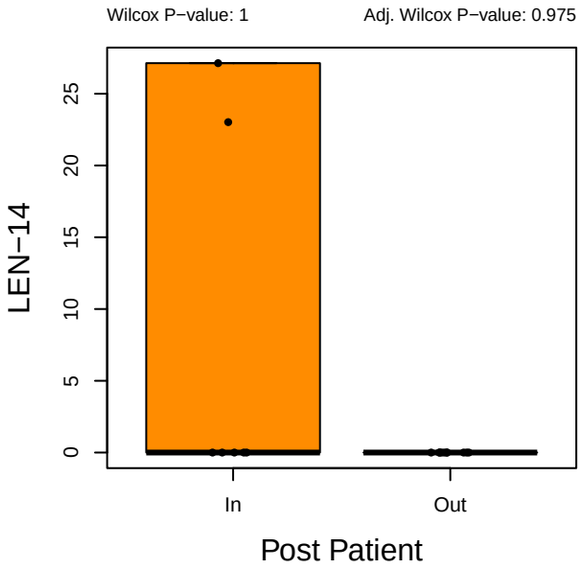

Wilcox P−value: 0.842
Adj. Wilcox P−value: 0.975
Lmon_mprF
0
20
40
60
80
In
Out
Post Patient

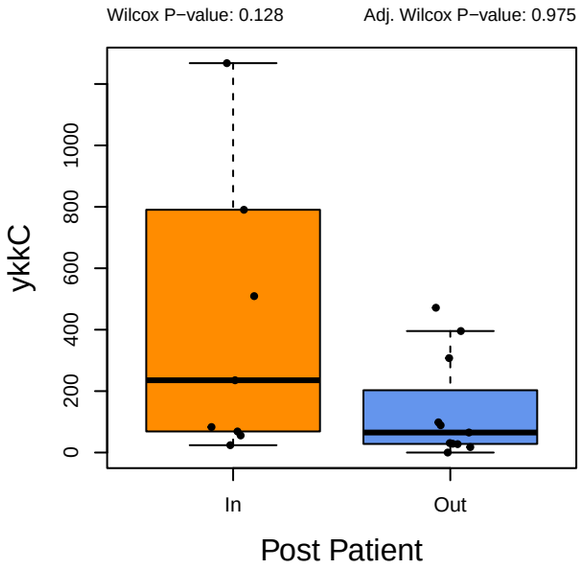

Wilcox P−value: 0.281
Adj. Wilcox P−value: 0.975
smeB
0
50
100
150
In
Out
Post Patient

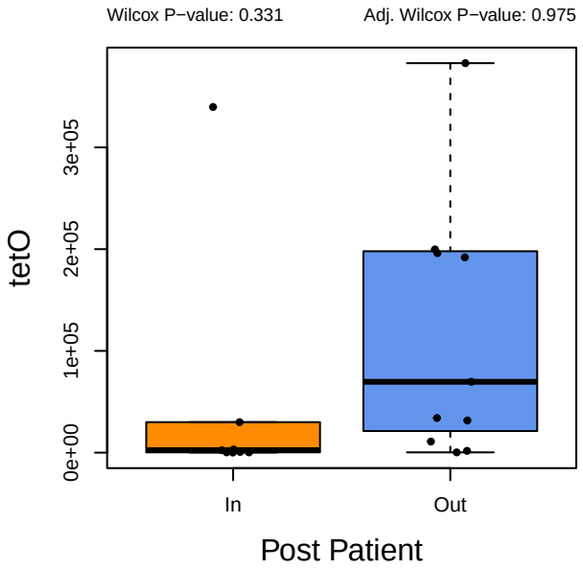

Wilcox P−value: 0.882
Adj. Wilcox P−value: 0.975
YajC
0
1000
2000
3000
4000
In
Out
Post Patient

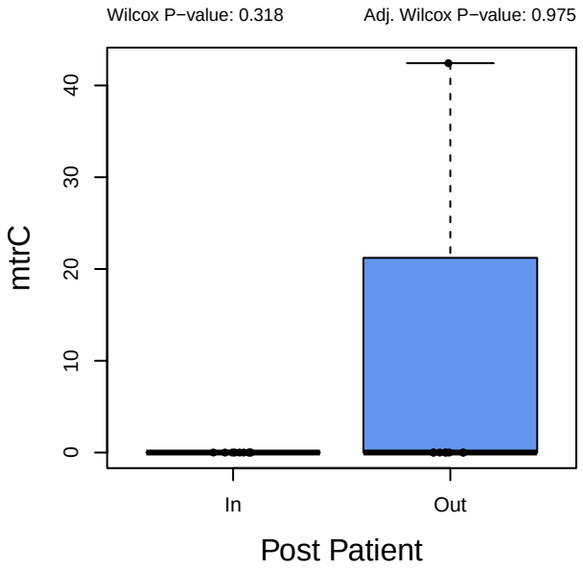

Wilcox P−value: 0.37
Adj. Wilcox P−value: 0.975
tetW
0e+00
1e+05
2e+05
3e+05
4e+05
In
Out
Post Patient

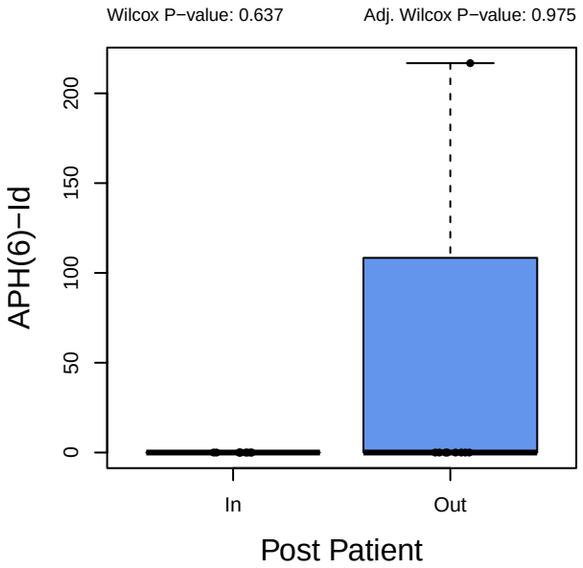

Wilcox P−value: 0.714
Adj. Wilcox P−value: 0.975
mexQ
0
10
20
30
40
50
60
In
Out
Post Patient

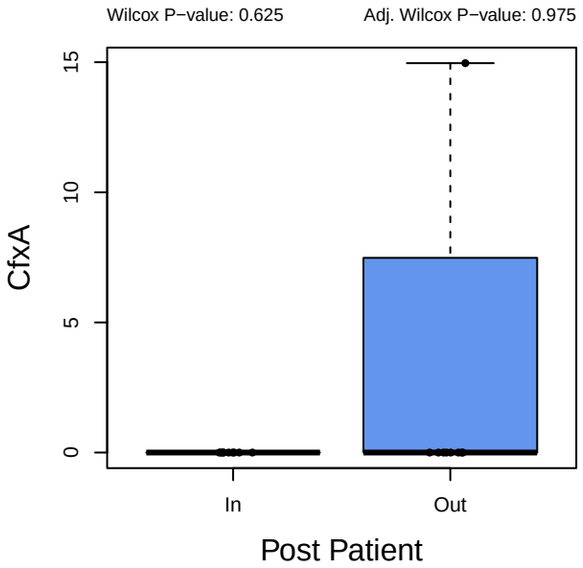

Wilcox P−value: 1
Adj. Wilcox P−value: 0.975
LEN−14
0
5
10
15
20
25
In
Out
Post Patient

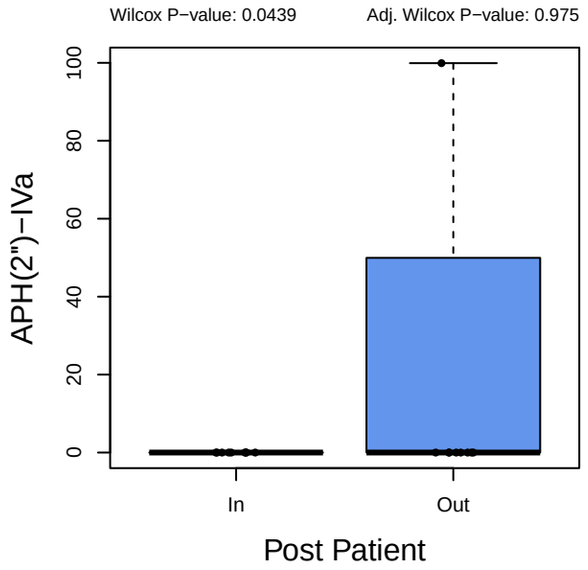

Wilcox P−value: 0.128
Adj. Wilcox P−value: 0.975
ykkC
0
200
400
600
800
1000
In
Out
Post Patient

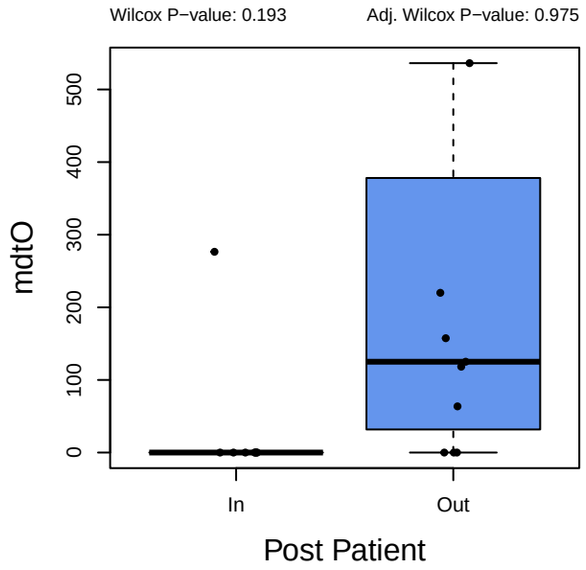

Wilcox P−value: 0.331
Adj. Wilcox P−value: 0.975
tetO
0e+00
1e+05
2e+05
3e+05
In
Out
Post Patient

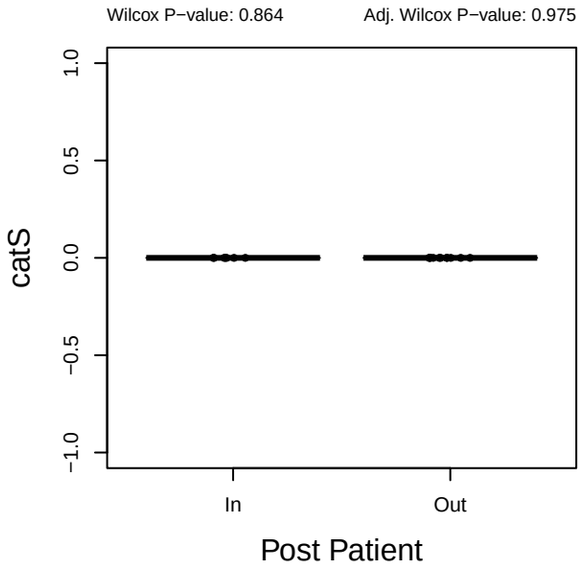

Wilcox P−value: 0.318
Adj. Wilcox P−value: 0.975
mtrC
0
10
20
30
40
In
Out
Post Patient

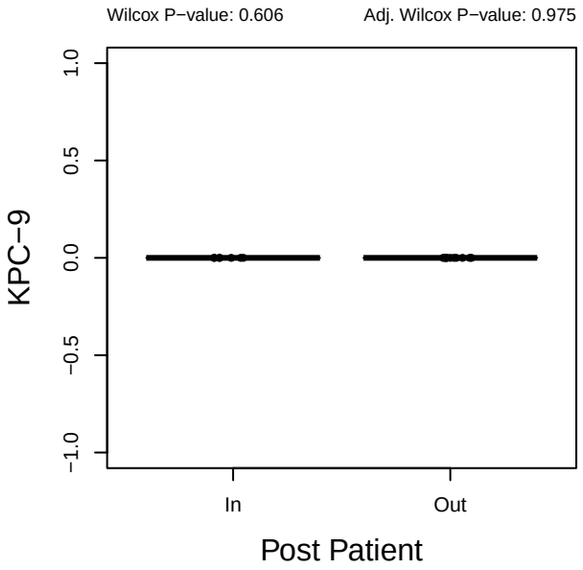

Wilcox P−value: 0.637
Adj. Wilcox P−value: 0.975
APH(6)−Id
0
50
100
150
200
In
Out
Post Patient

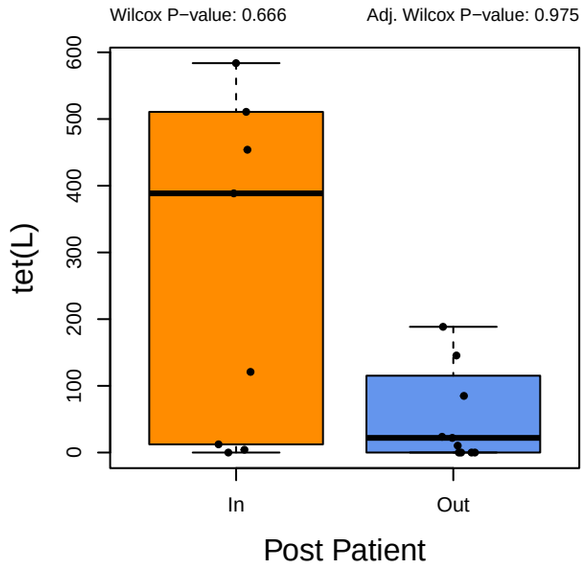

Wilcox P−value: 0.625
Adj. Wilcox P−value: 0.975
CfxA
0
5
10
15
In
Out
Post Patient

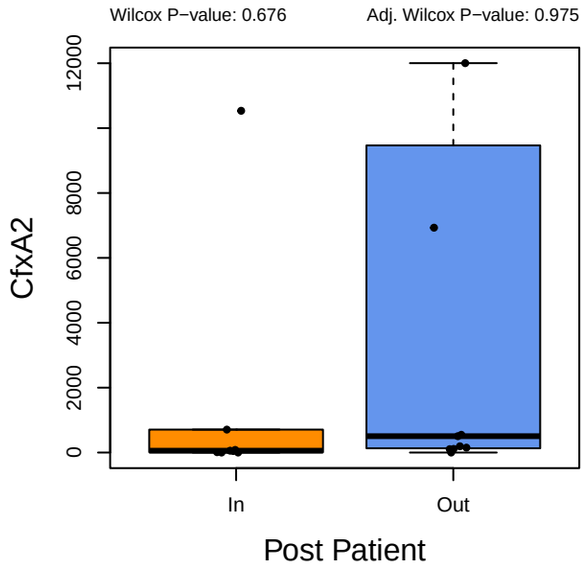

Wilcox P−value: 0.0439
Adj. Wilcox P−value: 0.975
APH(2")−IVa
0
20
40
60
80
100
In
Out
Post Patient

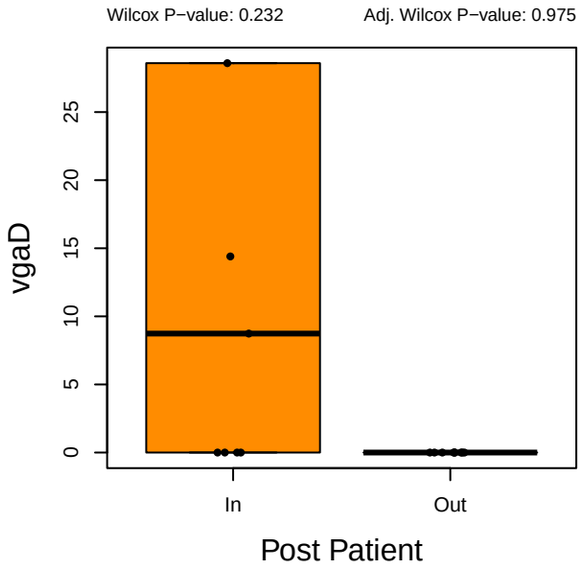

Wilcox P−value: 0.193
Adj. Wilcox P−value: 0.975
mdtO
0
100
200
300
400
500
In
Out
Post Patient

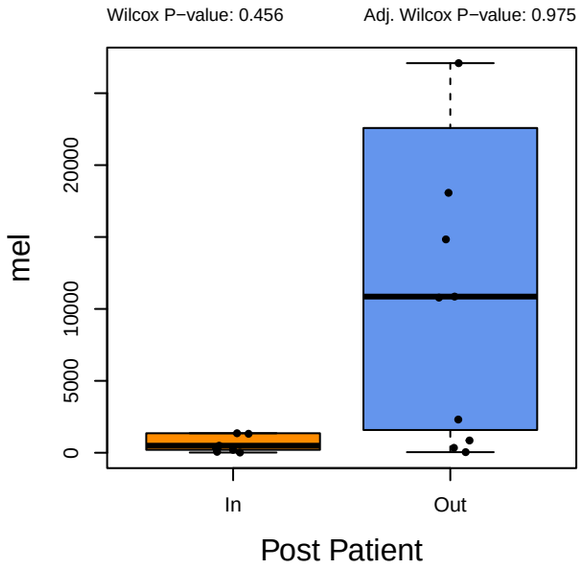

Wilcox P−value: 0.864
Adj. Wilcox P−value: 0.975
catS
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

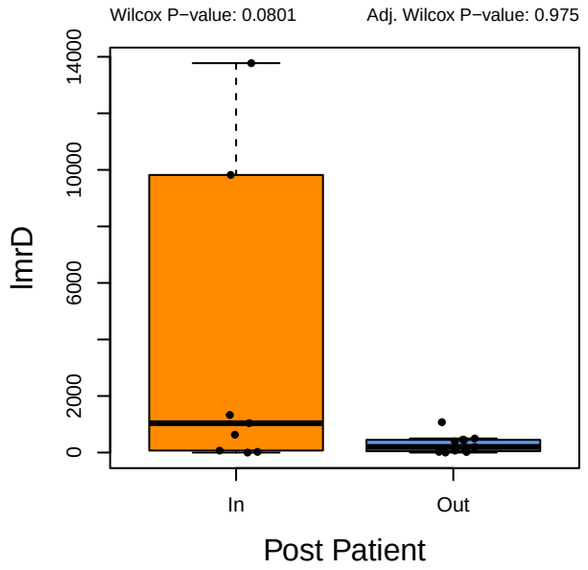

Wilcox P−value: 0.606
Adj. Wilcox P−value: 0.975
KPC−9
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

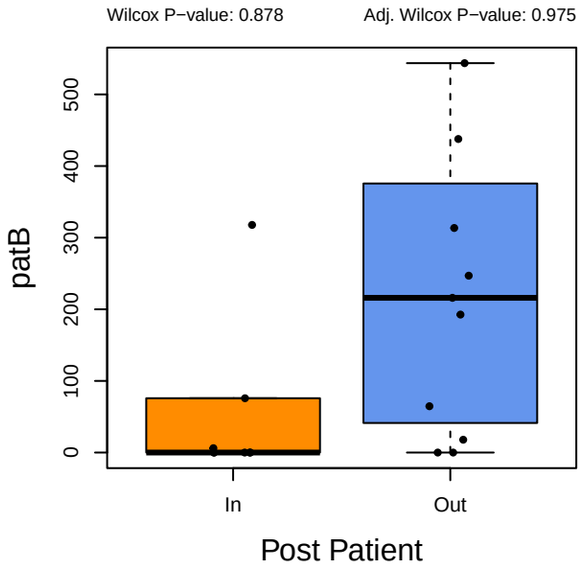

Wilcox P−value: 0.666
Adj. Wilcox P−value: 0.975
tet(L)
0
100
200
300
400
500
600
In
Out
Post Patient

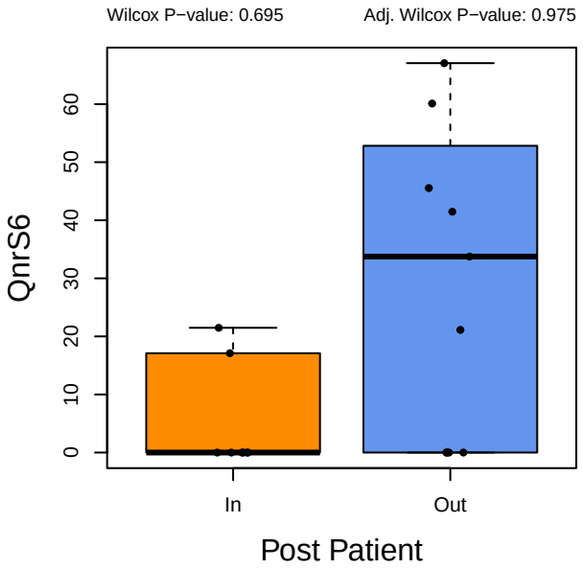

Wilcox P−value: 0.676
Adj. Wilcox P−value: 0.975
CfxA2
0
2000
4000
6000
8000
12000
In
Out
Post Patient

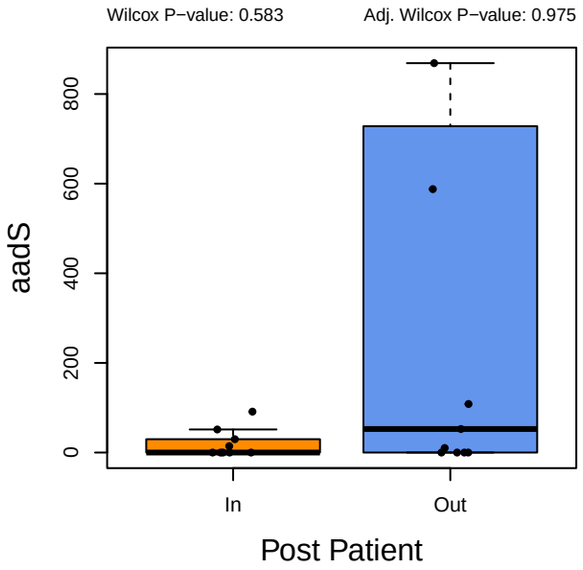

Wilcox P−value: 0.232
Adj. Wilcox P−value: 0.975
vgaD
0
5
10
15
20
25
In
Out
Post Patient

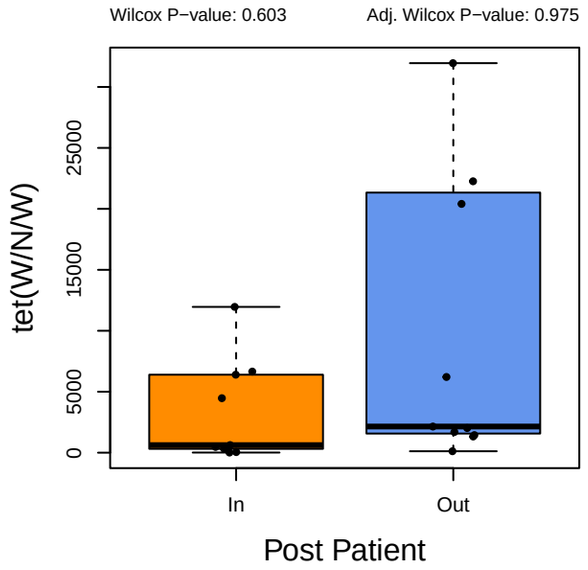

Wilcox P−value: 0.456
Adj. Wilcox P−value: 0.975
mel
0
5000
10000
20000
In
Out
Post Patient

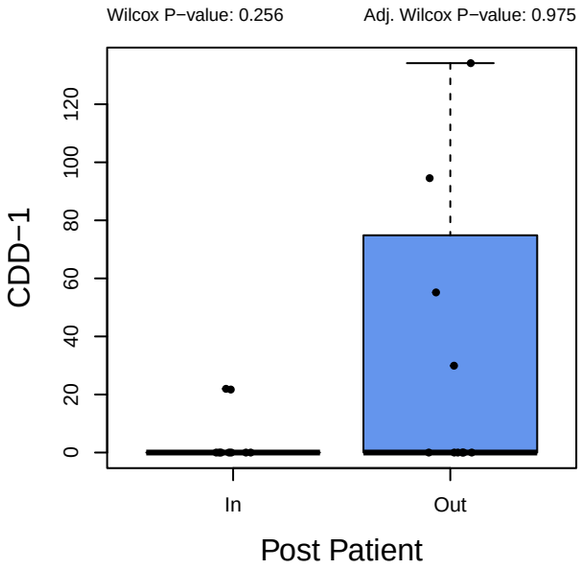

Wilcox P−value: 0.0801
Adj. Wilcox P−value: 0.975
lmrD
0
2000
6000
10000
14000
In
Out
Post Patient

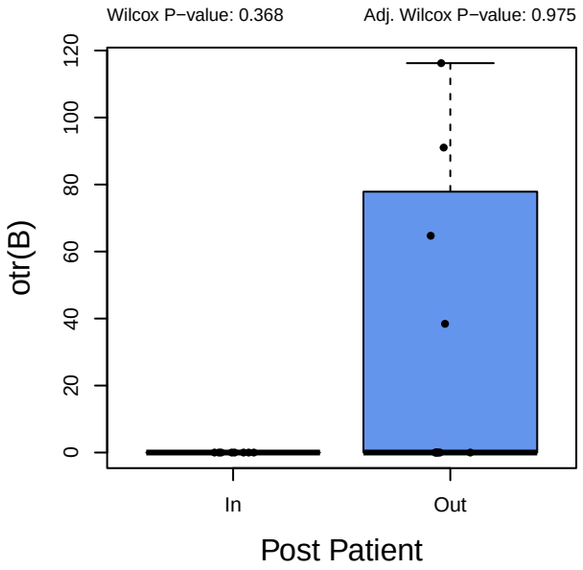

Wilcox P−value: 0.878
Adj. Wilcox P−value: 0.975
patB
0
100
200
300
400
500
In
Out
Post Patient

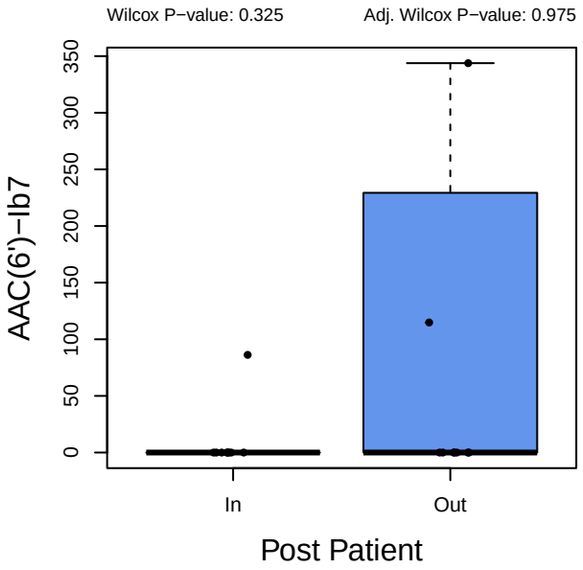

Wilcox P−value: 0.695
Adj. Wilcox P−value: 0.975
QnrS6
0
10
20
30
40
50
60
In
Out
Post Patient

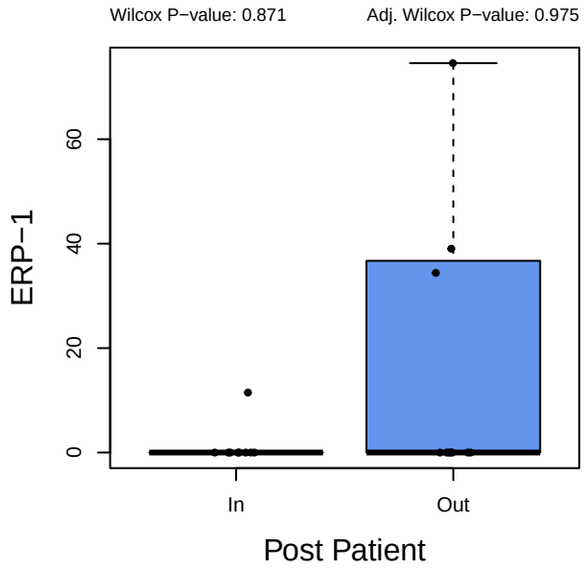

Wilcox P−value: 0.583
Adj. Wilcox P−value: 0.975
aadS
0
200
400
600
800
In
Out
Post Patient

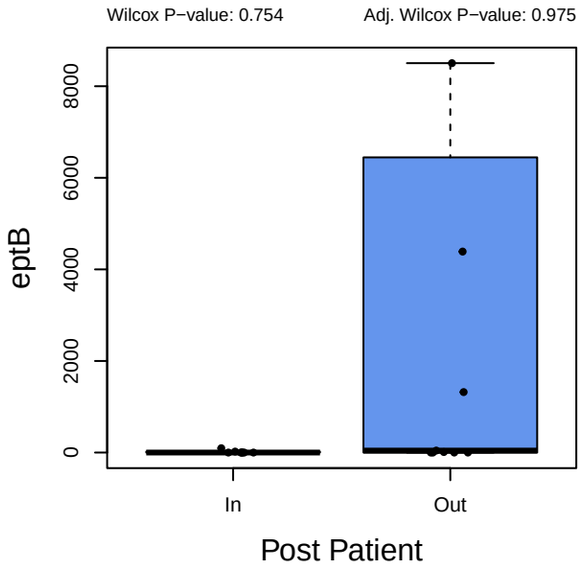

Wilcox P−value: 0.603
Adj. Wilcox P−value: 0.975
tet(W/N/W)
0
5000
15000
25000
In
Out
Post Patient

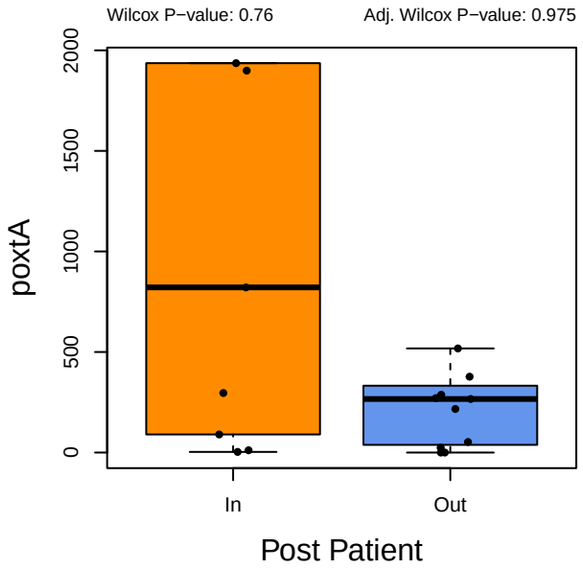

Wilcox P−value: 0.256
Adj. Wilcox P−value: 0.975
CDD−1
0
20
40
60
80
100
120
In
Out
Post Patient

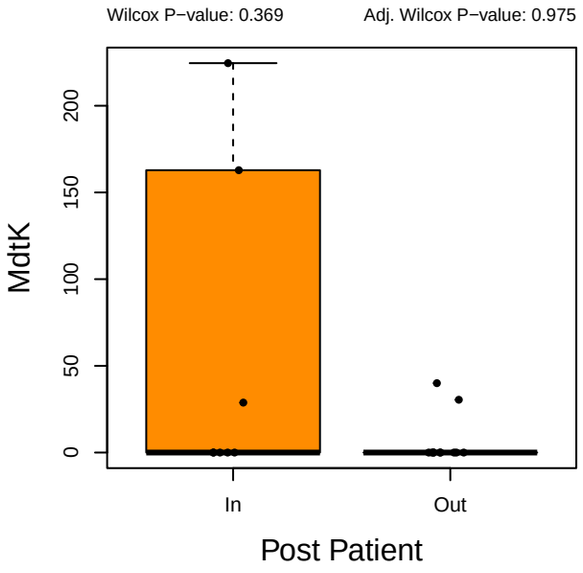

Wilcox P−value: 0.368
Adj. Wilcox P−value: 0.975
otr(B)
0
20
40
60
80
100
120
In
Out
Post Patient

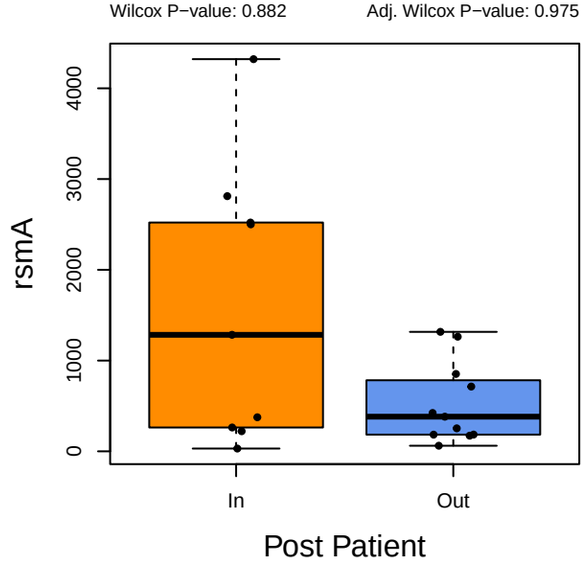

Wilcox P−value: 0.325
Adj. Wilcox P−value: 0.975
AAC(6')−Ib7
0
50
100
150
200
250
300
350
In
Out
Post Patient

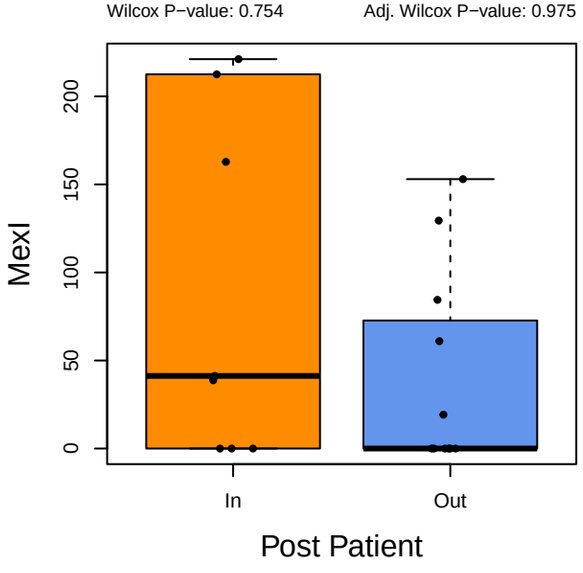

Wilcox P−value: 0.871
Adj. Wilcox P−value: 0.975
ERP−1
0
20
40
60
In
Out
Post Patient

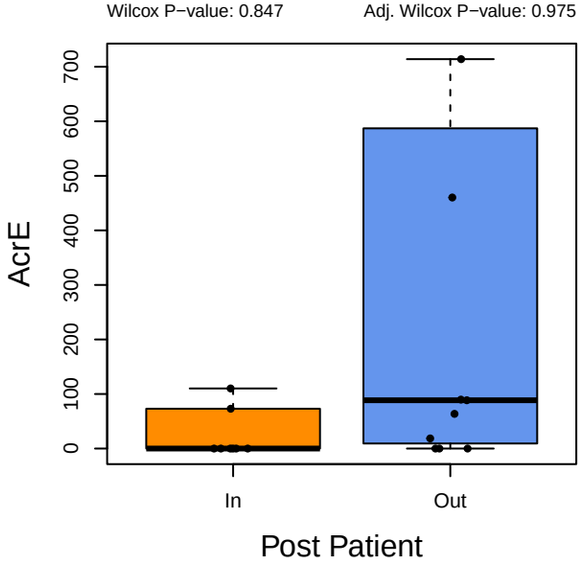

Wilcox P−value: 0.754
Adj. Wilcox P−value: 0.975
eptB
0
2000
4000
6000
8000
In
Out
Post Patient

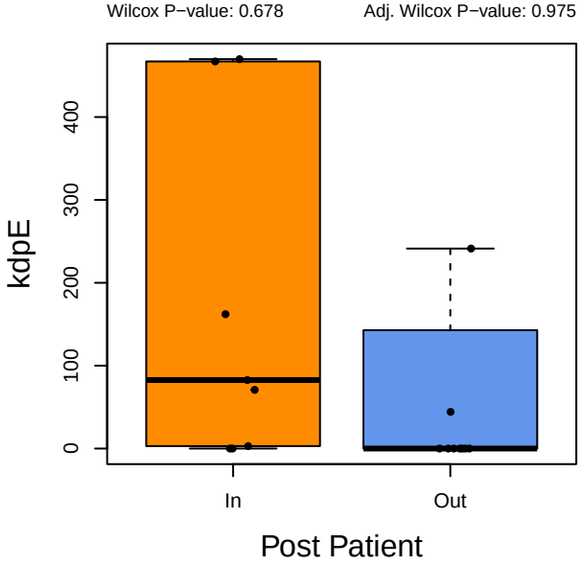

Wilcox P−value: 0.76
Adj. Wilcox P−value: 0.975
poxtA
0
500
1000
1500
2000
In
Out
Post Patient

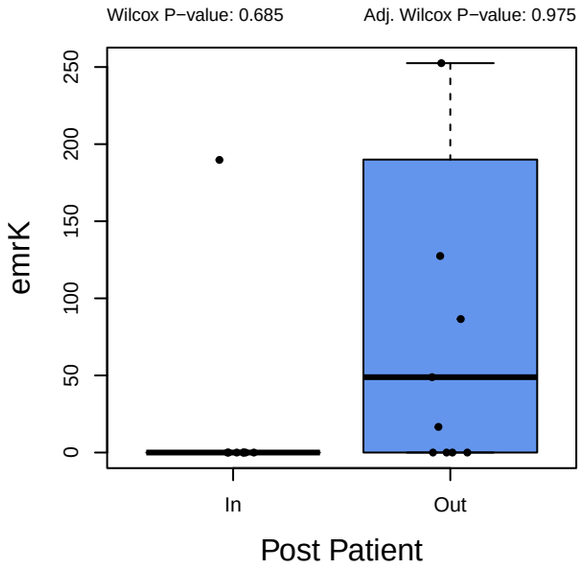

Wilcox P−value: 0.369
Adj. Wilcox P−value: 0.975
MdtK
0
50
100
150
200
In
Out
Post Patient

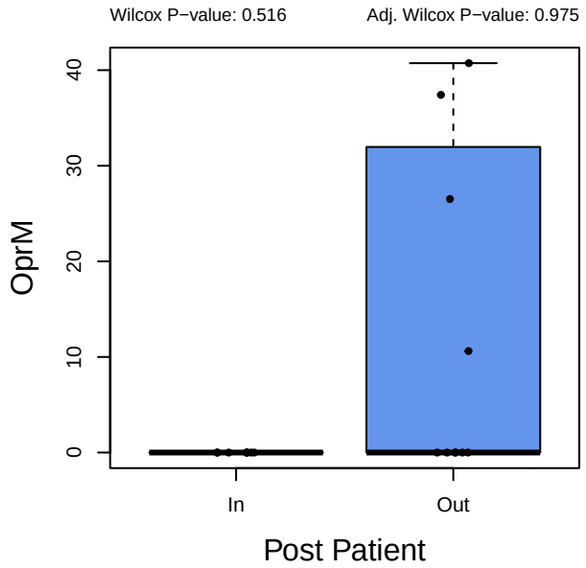

Wilcox P−value: 0.882
Adj. Wilcox P−value: 0.975
rsmA
0
1000
2000
3000
4000
In
Out
Post Patient

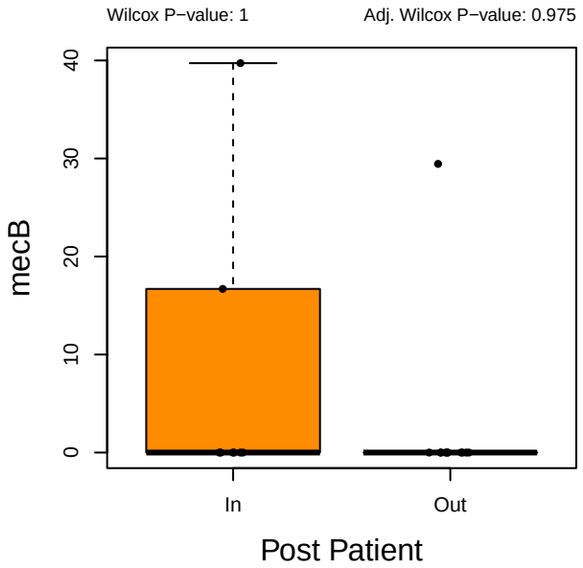

Wilcox P−value: 0.754
Adj. Wilcox P−value: 0.975
MexI
0
50
100
150
200
In
Out
Post Patient

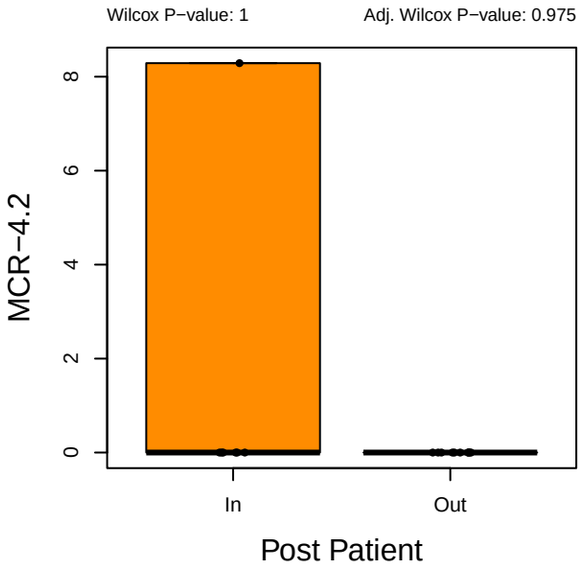

Wilcox P−value: 0.847
Adj. Wilcox P−value: 0.975
AcrE
0
100
200
300
400
500
600
700
In
Out
Post Patient

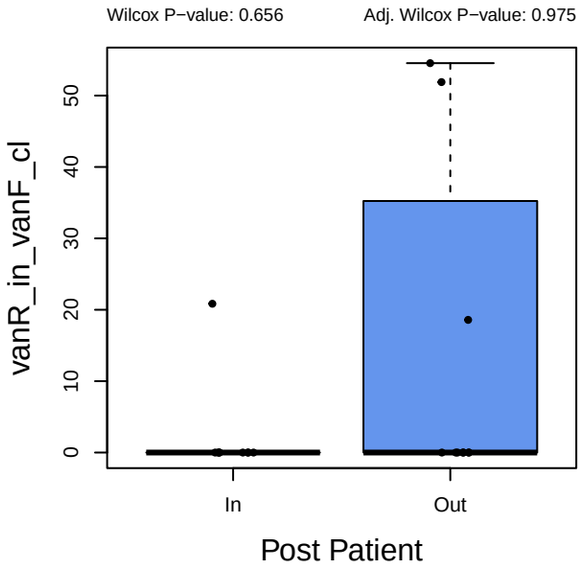

Wilcox P−value: 0.678
Adj. Wilcox P−value: 0.975
kdpE
0
100
200
300
400
In
Out
Post Patient

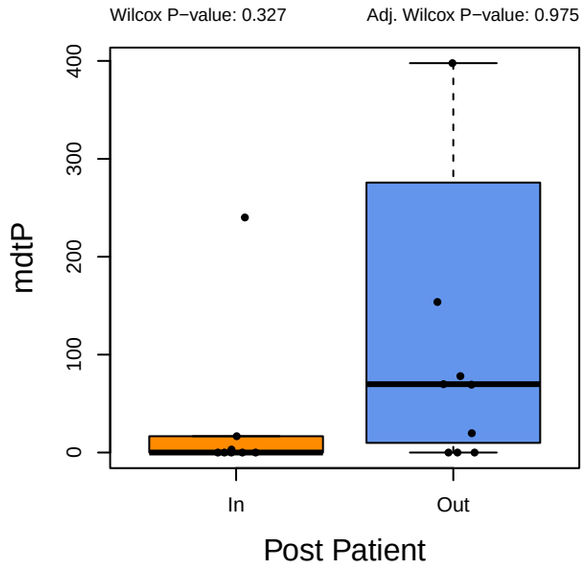

Wilcox P−value: 0.685
Adj. Wilcox P−value: 0.975
emrK
0
50
100
150
200
250
In
Out
Post Patient

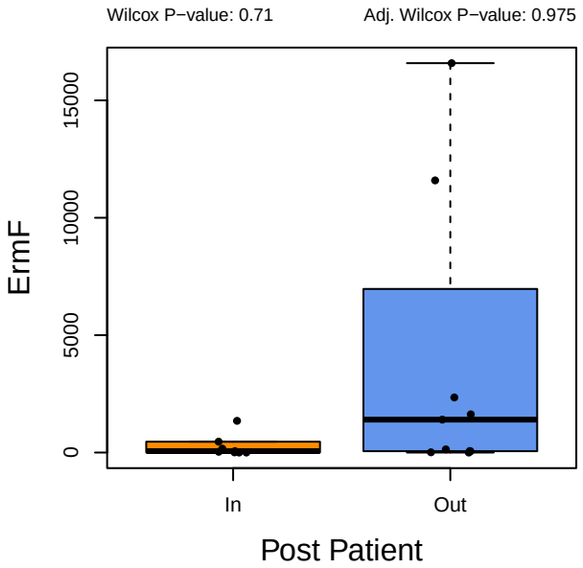

Wilcox P−value: 0.516
Adj. Wilcox P−value: 0.975
OprM
0
10
20
30
40
In
Out
Post Patient

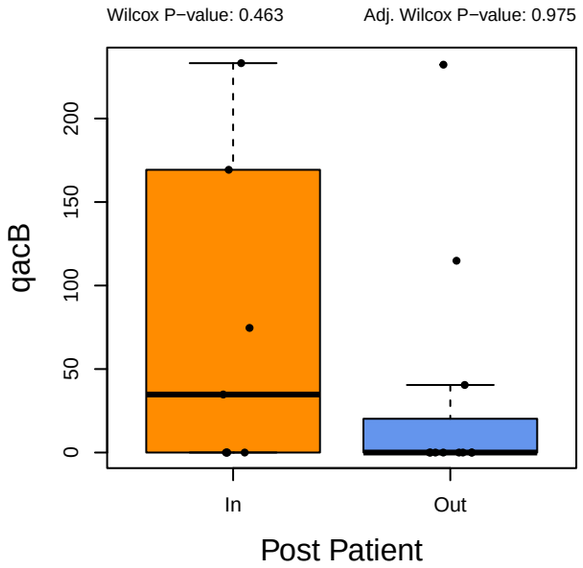

Wilcox P−value: 1
Adj. Wilcox P−value: 0.975
mecB
0
10
20
30
40
In
Out
Post Patient

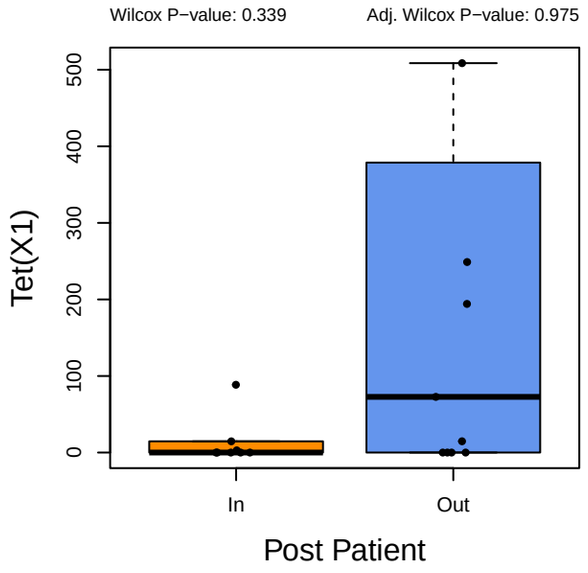

Wilcox P−value: 1
Adj. Wilcox P−value: 0.975
MCR−4.2
0
2
4
6
8
In
Out
Post Patient

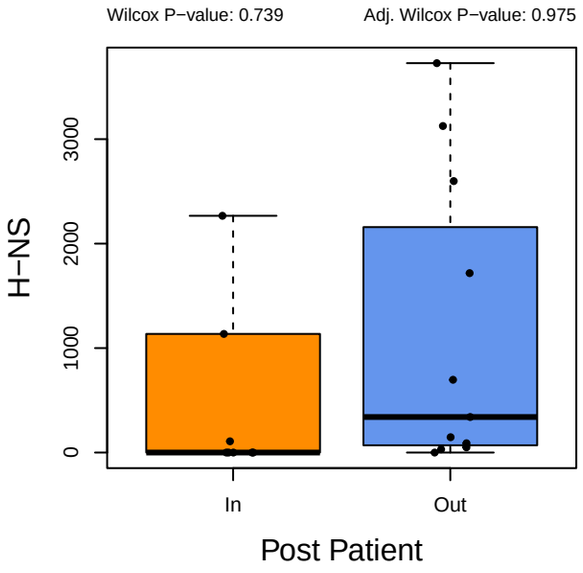

Wilcox P−value: 0.656
Adj. Wilcox P−value: 0.975
vanR_in_vanF_cl
0
10
20
30
40
50
In
Out
Post Patient

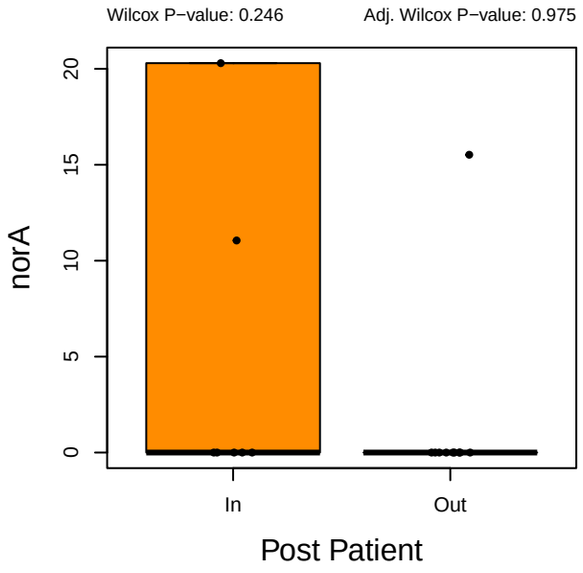

Wilcox P−value: 0.327
Adj. Wilcox P−value: 0.975
mdtP
0
100
200
300
400
In
Out
Post Patient

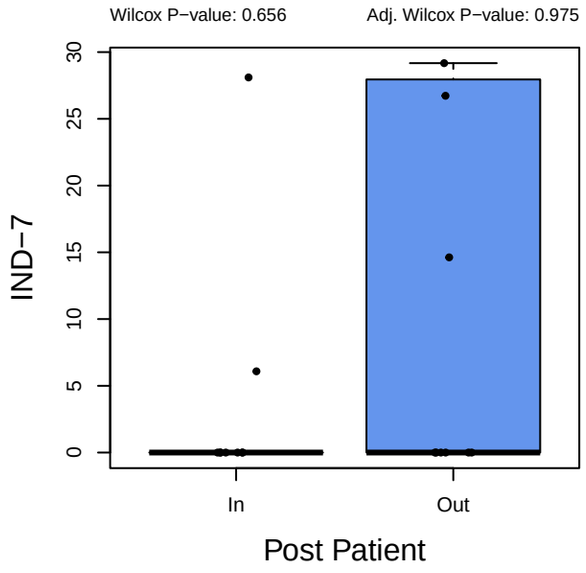

Wilcox P−value: 0.71
Adj. Wilcox P−value: 0.975
ErmF
0
5000
10000
15000
In
Out
Post Patient

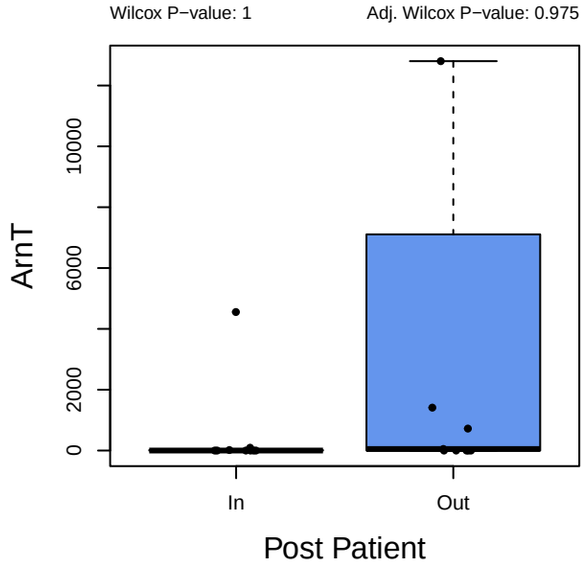

Wilcox P−value: 0.463
Adj. Wilcox P−value: 0.975
qacB
0
50
100
150
200
In
Out
Post Patient

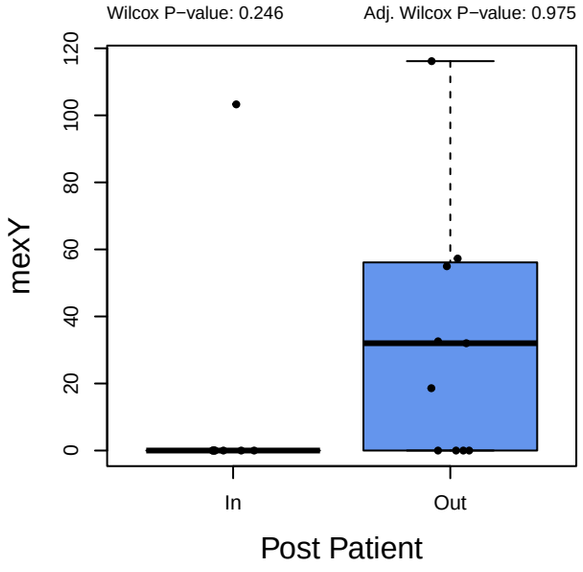

Wilcox P−value: 0.339
Adj. Wilcox P−value: 0.975
Tet(X1)
0
100
200
300
400
500
In
Out
Post Patient

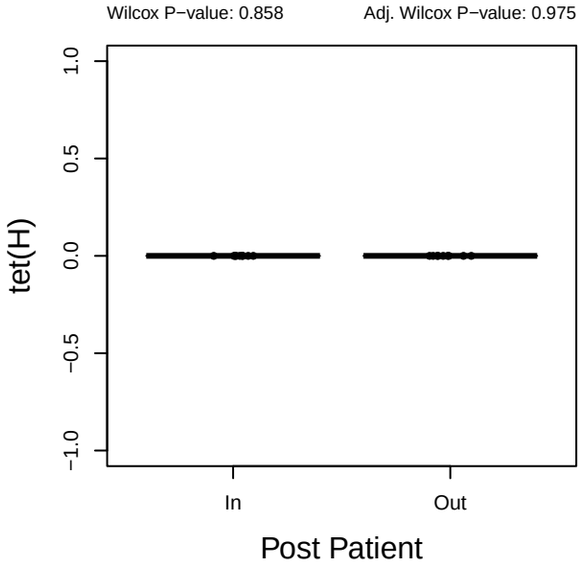

Wilcox P−value: 0.739
Adj. Wilcox P−value: 0.975
H−NS
0
1000
2000
3000
In
Out
Post Patient

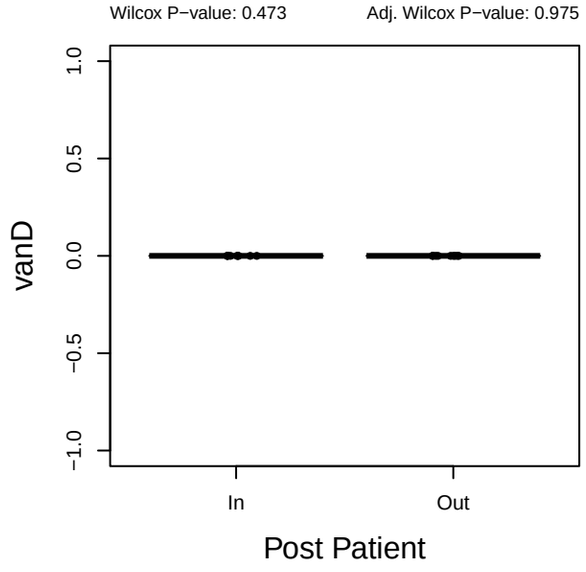

Wilcox P−value: 0.246
Adj. Wilcox P−value: 0.975
norA
0
5
10
15
20
In
Out
Post Patient

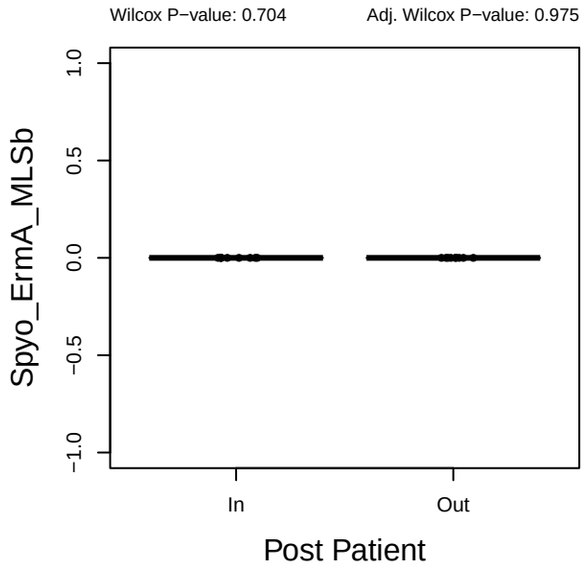

Wilcox P−value: 0.656
Adj. Wilcox P−value: 0.975
IND−7
0
5
10
15
20
25
30
In
Out
Post Patient

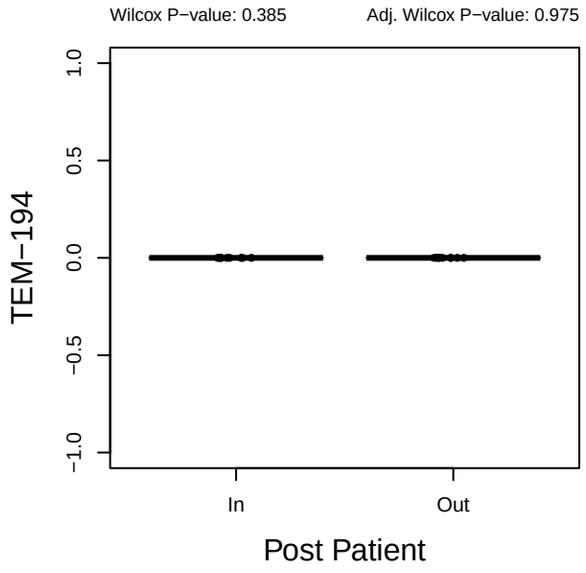

Wilcox P−value: 1
Adj. Wilcox P−value: 0.975
ArnT
0
2000
6000
10000
In
Out
Post Patient

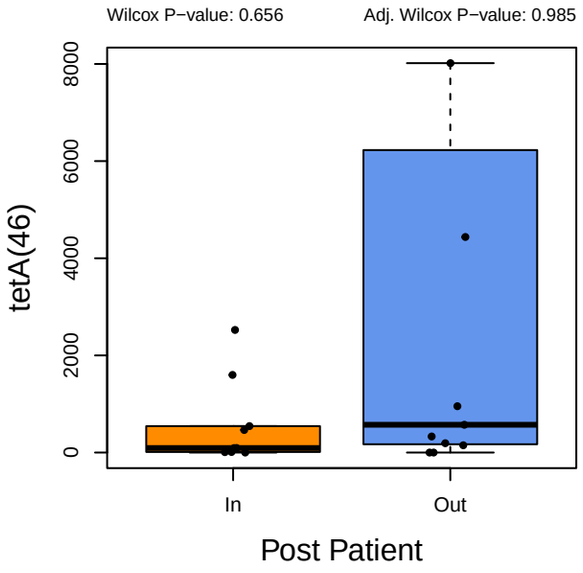

Wilcox P−value: 0.246
Adj. Wilcox P−value: 0.975
mexY
0
20
40
60
80
100
120
In
Out
Post Patient

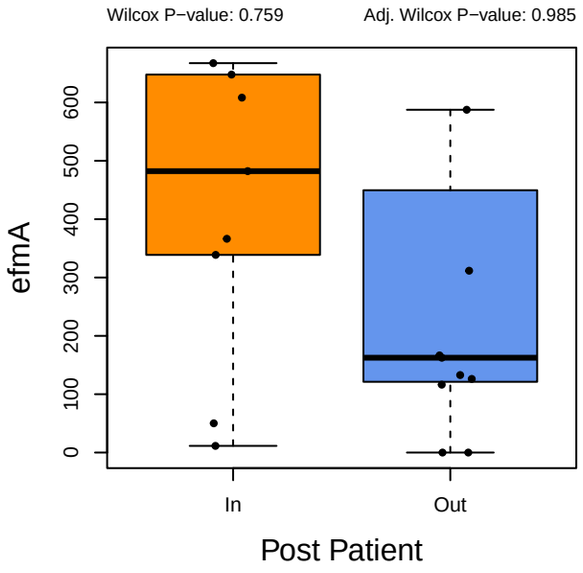

Wilcox P−value: 0.858
Adj. Wilcox P−value: 0.975
tet(H)
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

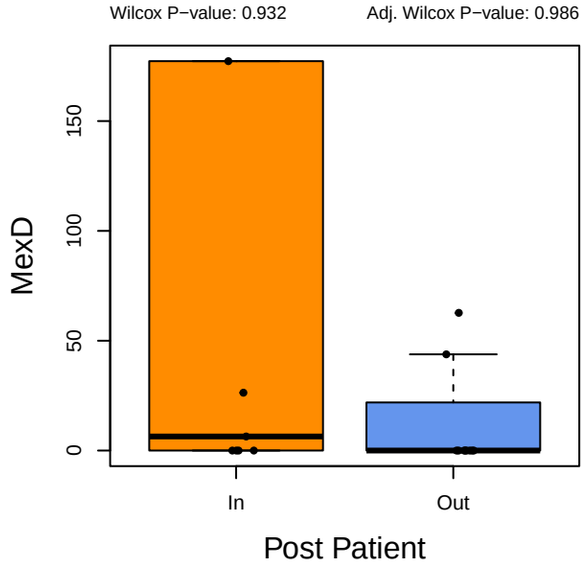

Wilcox P−value: 0.473
Adj. Wilcox P−value: 0.975
vanD
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

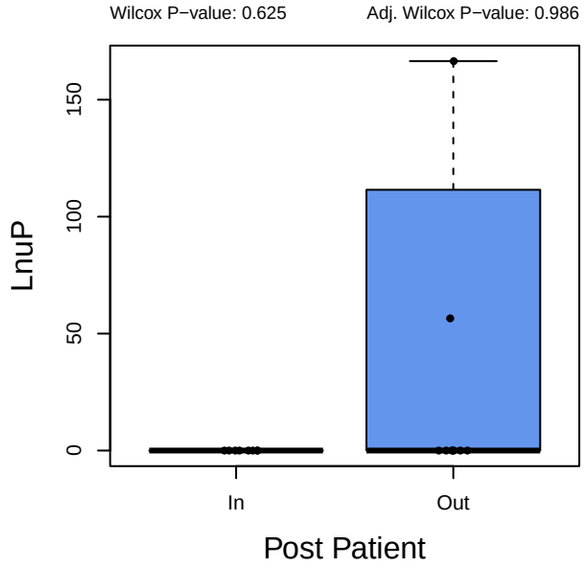

Wilcox P−value: 0.704
Adj. Wilcox P−value: 0.975
Spyo_ErmA_MLSb
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

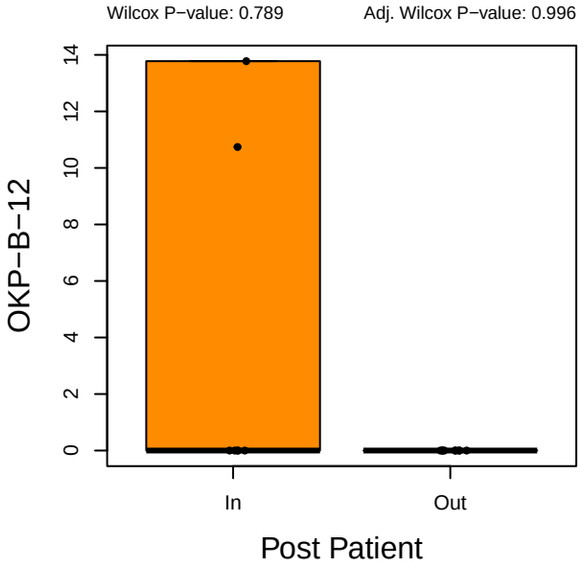

Wilcox P−value: 0.385
Adj. Wilcox P−value: 0.975
TEM−194
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

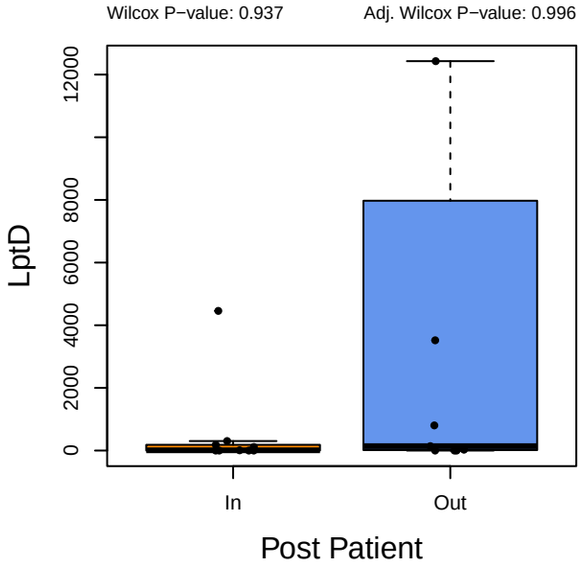

Wilcox P−value: 0.656
Adj. Wilcox P−value: 0.985
tetA(46)
8000
6000
4000
2000
0
In
Out
Post Patient

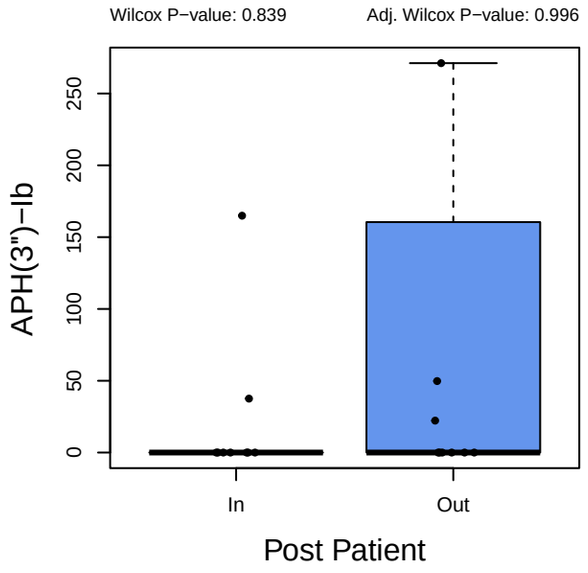

Wilcox P−value: 0.759
Adj. Wilcox P−value: 0.985
efmA
600
500
400
300
200
100
0
In
Out
Post Patient

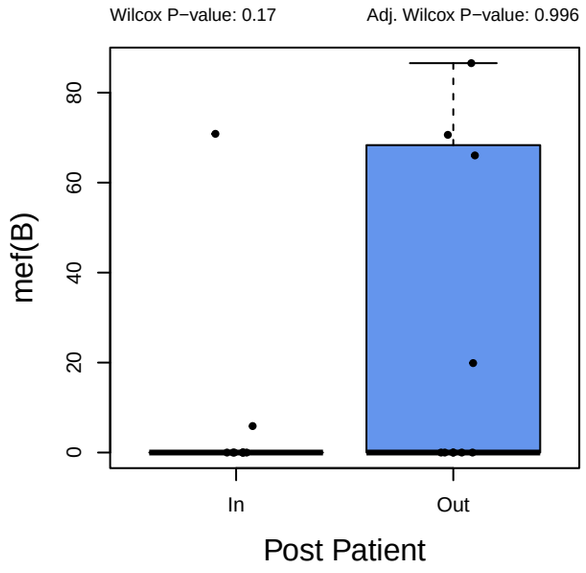

Wilcox P−value: 0.932
Adj. Wilcox P−value: 0.986
MexD
150
100
50
0
In
Out
Post Patient

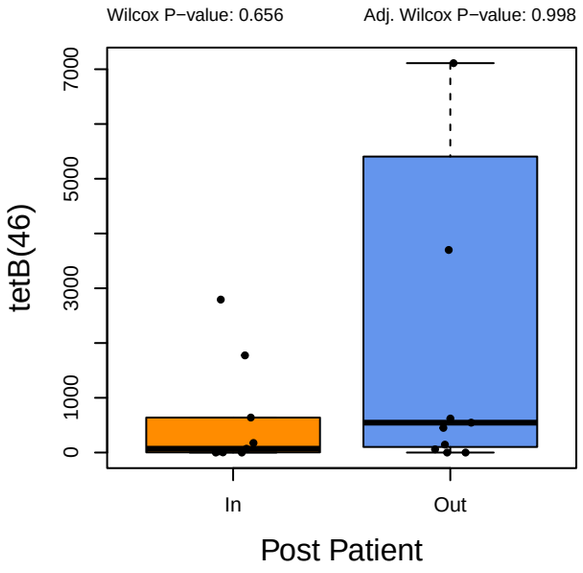

Wilcox P−value: 0.625
Adj. Wilcox P−value: 0.986
LnuP
150
100
50
0
In
Out
Post Patient

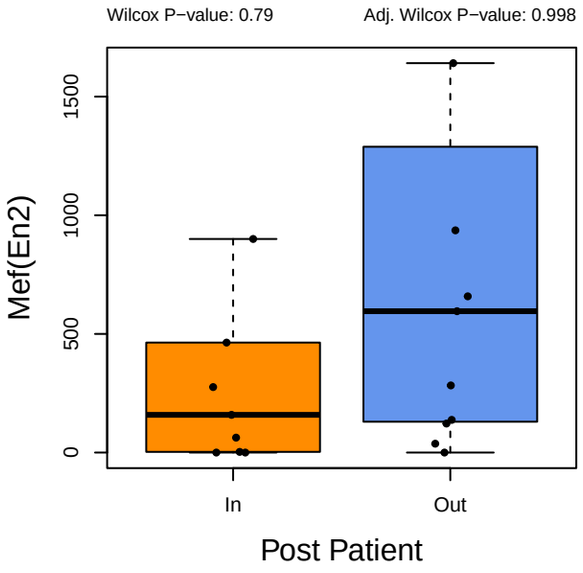

Wilcox P−value: 0.789
Adj. Wilcox P−value: 0.996
OKP−B−12
14
12
10
8
6
4
2
0
In
Out
Post Patient

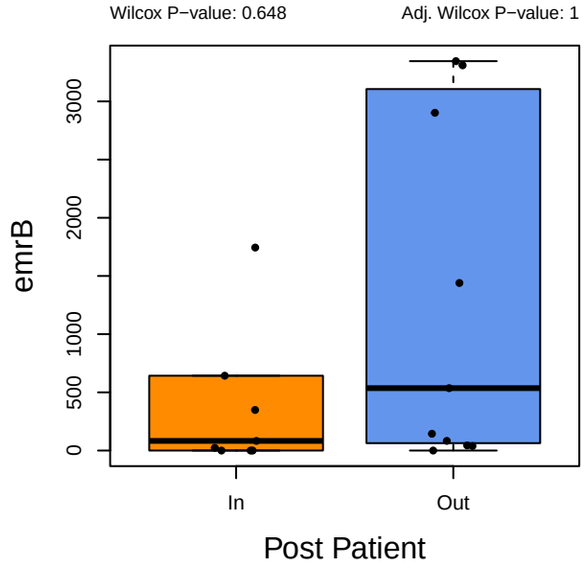

Wilcox P−value: 0.937
Adj. Wilcox P−value: 0.996
LptD
12000
8000
6000
4000
2000
0
In
Out
Post Patient

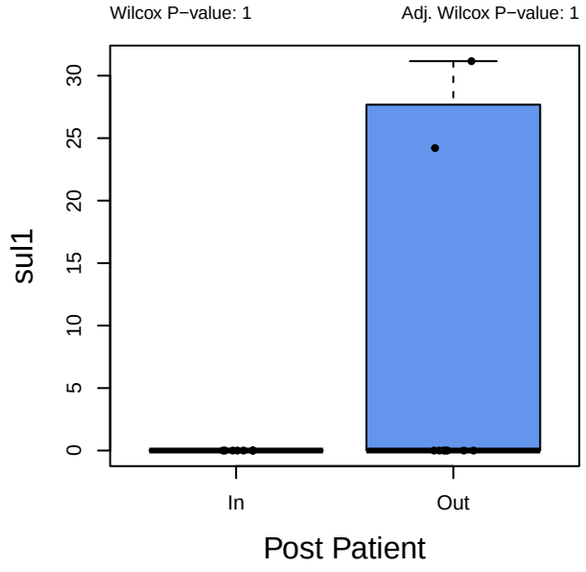

Wilcox P−value: 0.839
Adj. Wilcox P−value: 0.996
APH(3")−Ib
0
50
100
150
200
250
In
Out
Post Patient

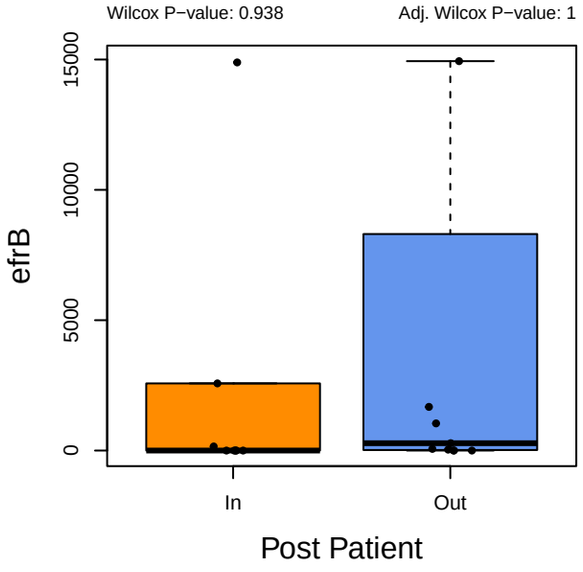

Wilcox P−value: 0.17
Adj. Wilcox P−value: 0.996
mef(B)
0
20
40
60
80
In
Out
Post Patient

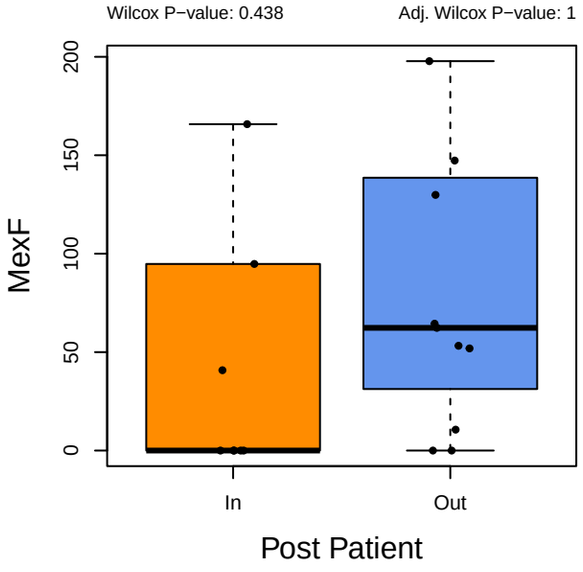

Wilcox P−value: 0.656
Adj. Wilcox P−value: 0.998
tetB(46)
0
1000
3000
5000
7000
In
Out
Post Patient

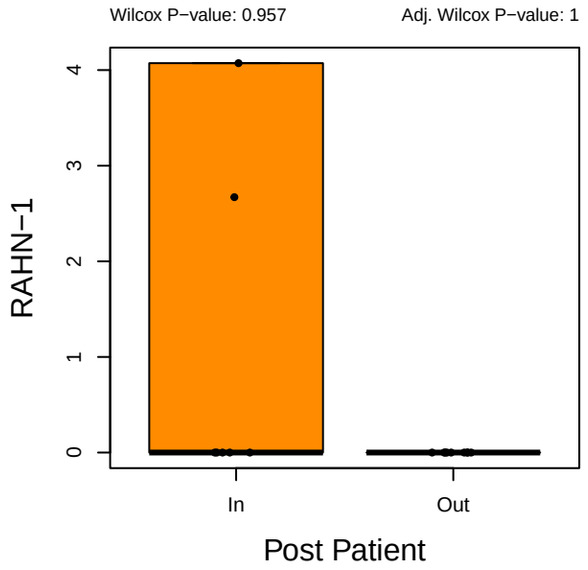

Wilcox P−value: 0.79
Adj. Wilcox P−value: 0.998
Mef(En2)
0
500
1000
1500
In
Out
Post Patient

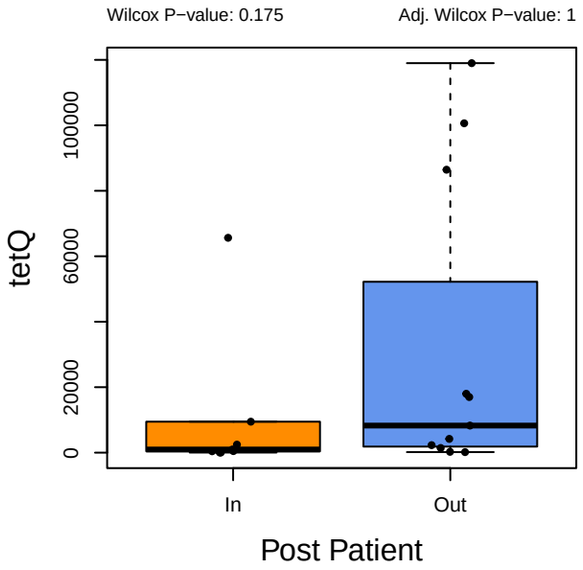

Wilcox P−value: 0.648
Adj. Wilcox P−value: 1
emrB
0
500
1000
2000
3000
In
Out
Post Patient

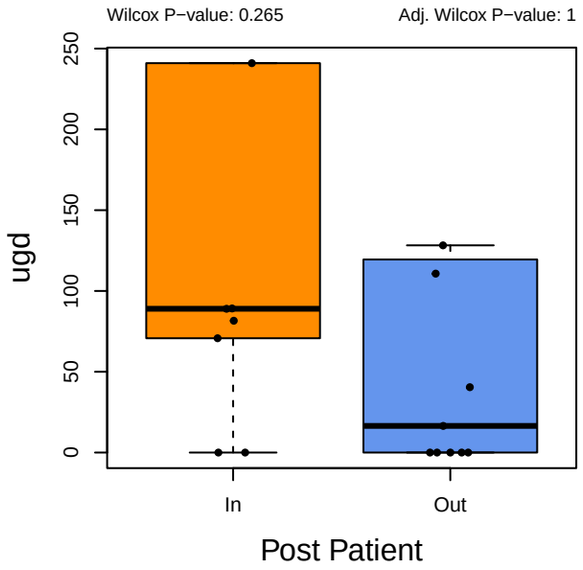

Wilcox P−value: 1
Adj. Wilcox P−value: 1
sul1
0
5
10
15
20
25
30
In
Out
Post Patient

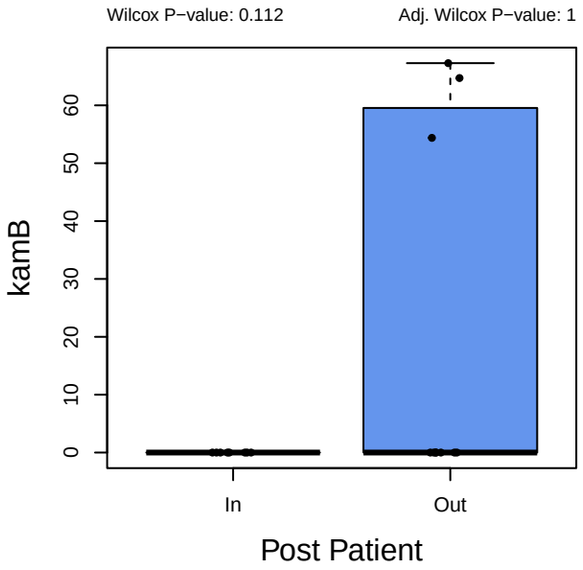

Wilcox P−value: 0.938
Adj. Wilcox P−value: 1
efrB
0
5000
10000
15000
In
Out
Post Patient

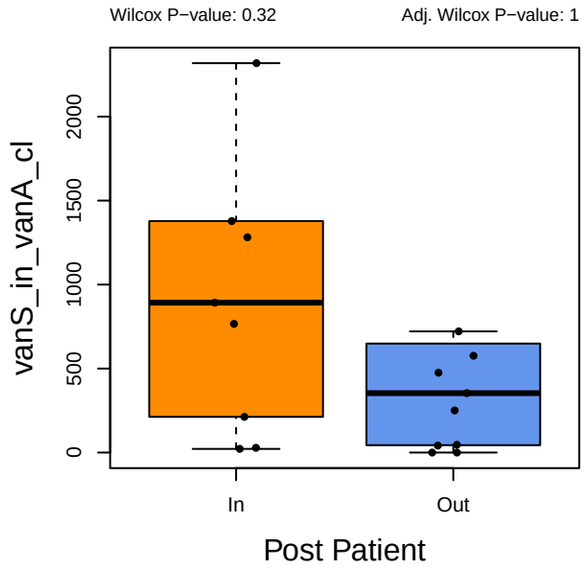

Wilcox P−value: 0.438
Adj. Wilcox P−value: 1
MexF
0
50
100
150
200
In
Out
Post Patient

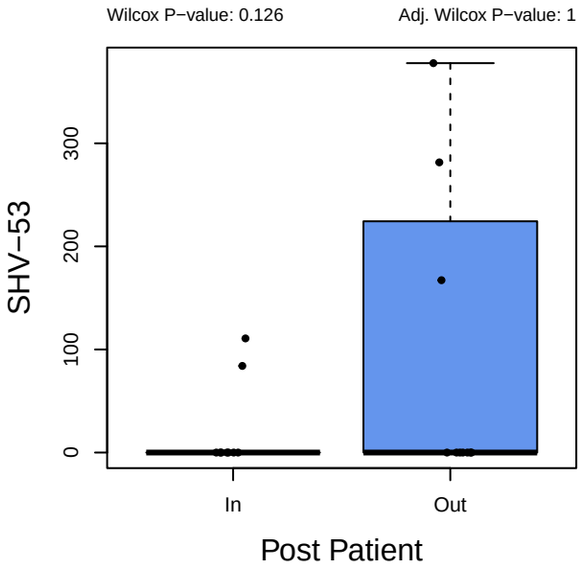

Wilcox P−value: 0.957
Adj. Wilcox P−value: 1
RAHN−1
0
1
2
3
4
In
Out
Post Patient

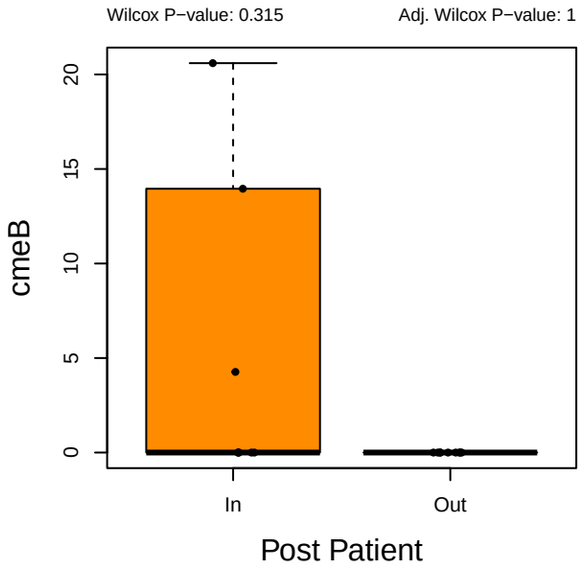

Wilcox P−value: 0.175
Adj. Wilcox P−value: 1
tetQ
0
20000
60000
100000
In
Out
Post Patient

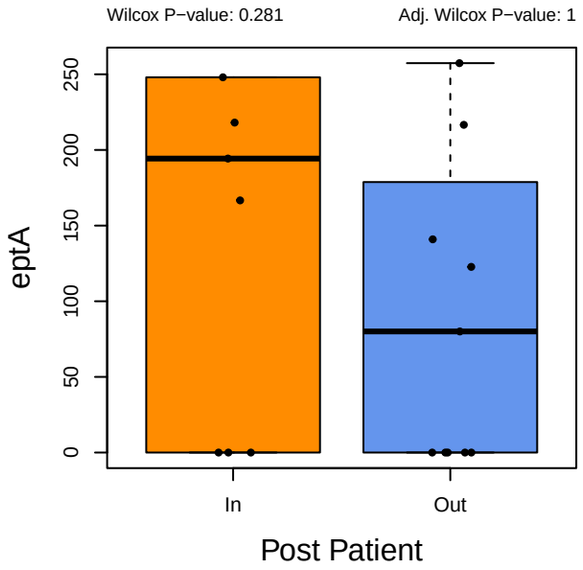

Wilcox P−value: 0.265
Adj. Wilcox P−value: 1
ugd
0
50
100
150
200
250
In
Out
Post Patient

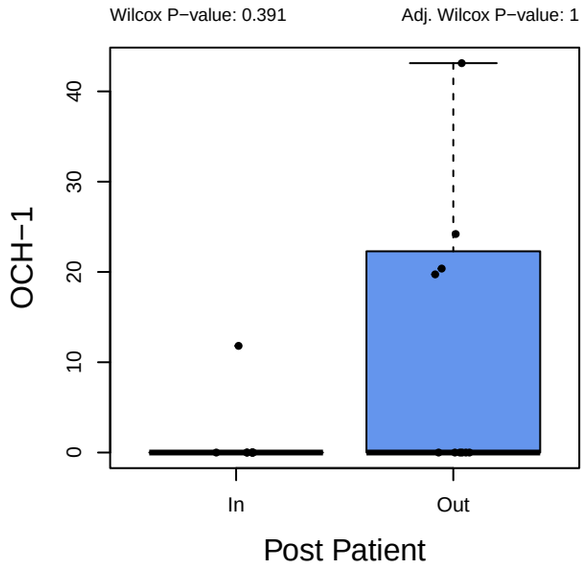

Wilcox P−value: 0.112
Adj. Wilcox P−value: 1
kamB
0
10
20
30
40
50
60
In
Out
Post Patient

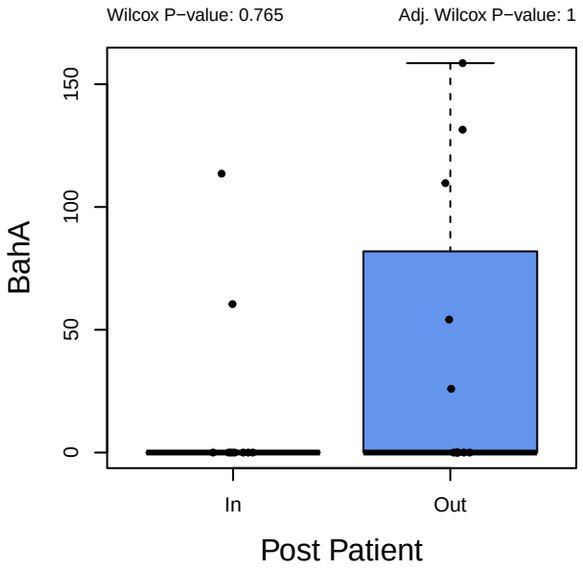

Wilcox P−value: 0.32
Adj. Wilcox P−value: 1
vanS_in_vanA_cl
0
500
1000
1500
2000
In
Out
Post Patient

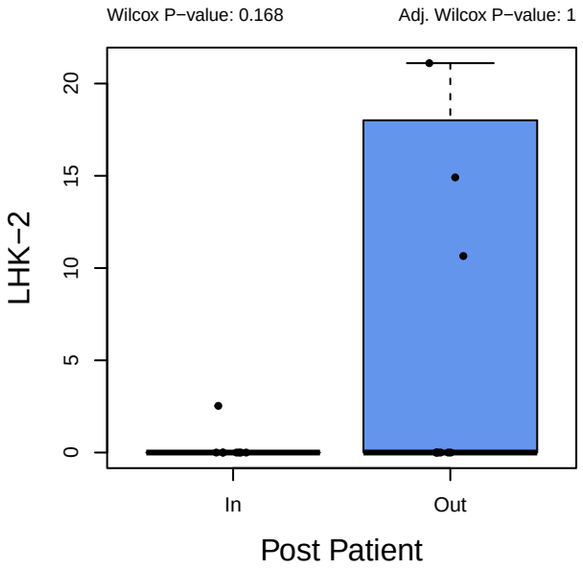

Wilcox P−value: 0.126
Adj. Wilcox P−value: 1
SHV−53
0
100
200
300
In
Out
Post Patient

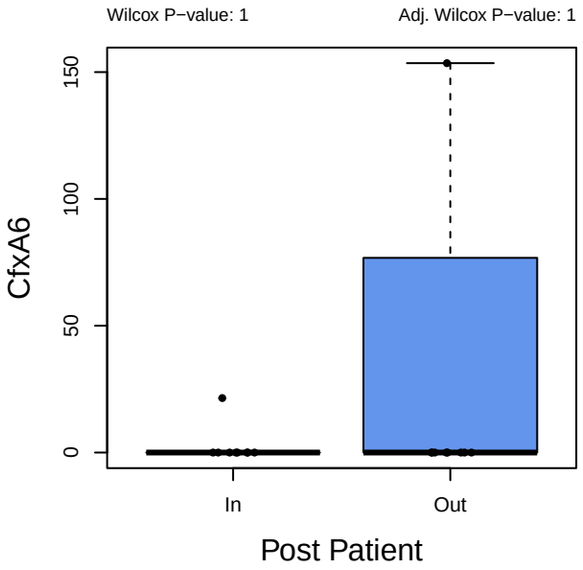

Wilcox P−value: 0.315
Adj. Wilcox P−value: 1
cmeB
0
5
10
15
20
In
Out
Post Patient

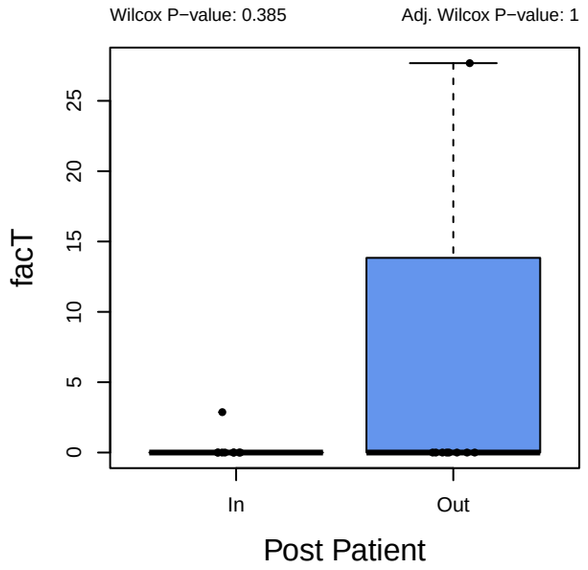

Wilcox P−value: 0.281
Adj. Wilcox P−value: 1
eptA
0
50
100
150
200
250
In
Out
Post Patient

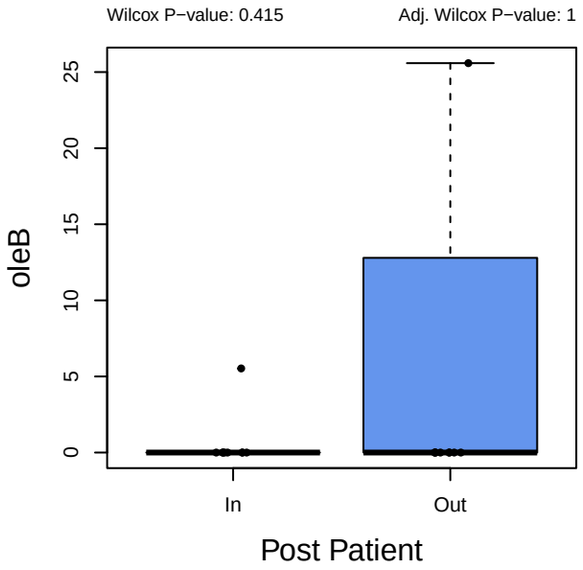

Wilcox P−value: 0.391
Adj. Wilcox P−value: 1
OCH−1
0
10
20
30
40
In
Out
Post Patient

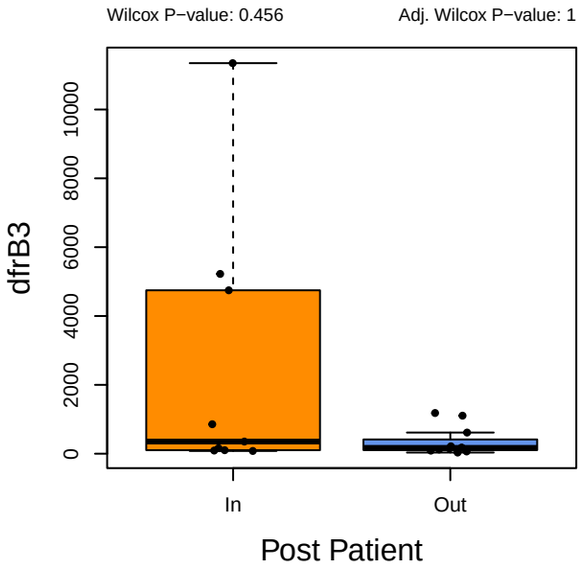

Wilcox P−value: 0.765
Adj. Wilcox P−value: 1
BahA
0
50
100
150
In
Out
Post Patient

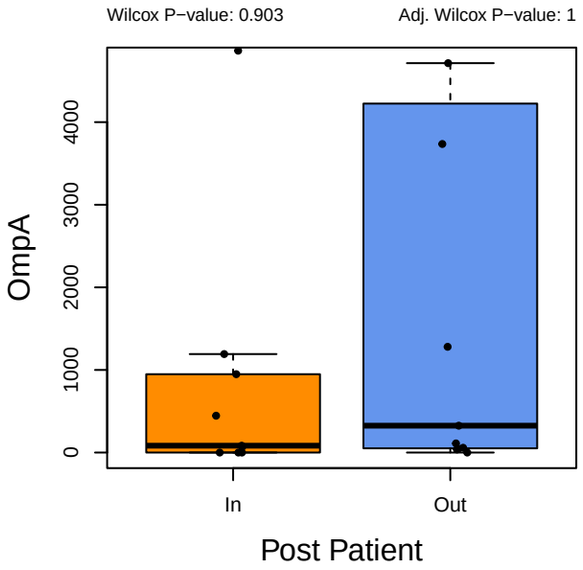

Wilcox P−value: 0.168
Adj. Wilcox P−value: 1
LHK−2
0
5
10
15
20
In
Out
Post Patient

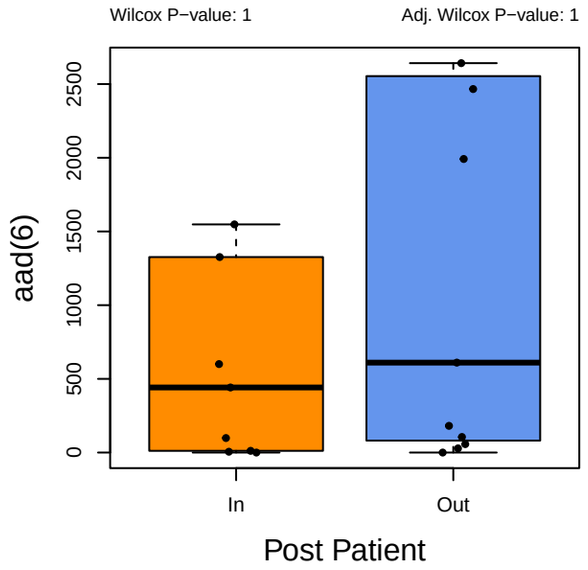

Wilcox P−value: 1
Adj. Wilcox P−value: 1
CfxA6
0
50
100
150
In
Out
Post Patient

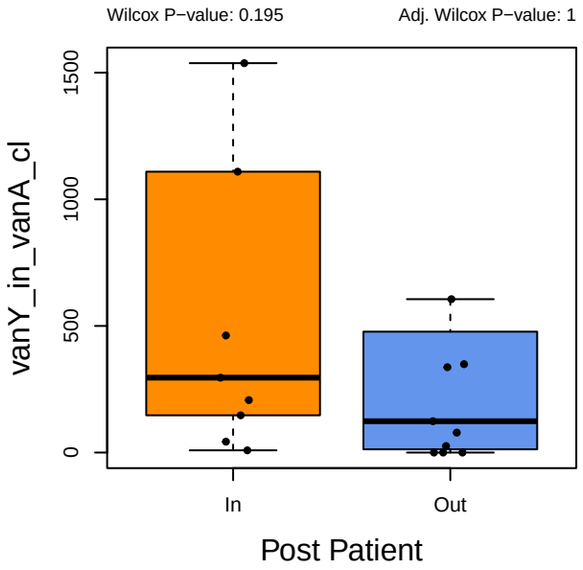

Wilcox P−value: 0.385
Adj. Wilcox P−value: 1
facT
0
5
10
15
20
25
In
Out
Post Patient

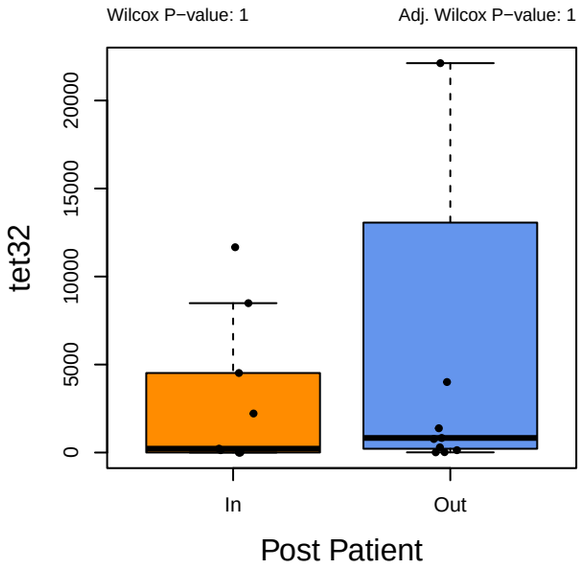

Wilcox P−value: 0.415
Adj. Wilcox P−value: 1
oleB
0
5
10
15
20
25
In
Out
Post Patient

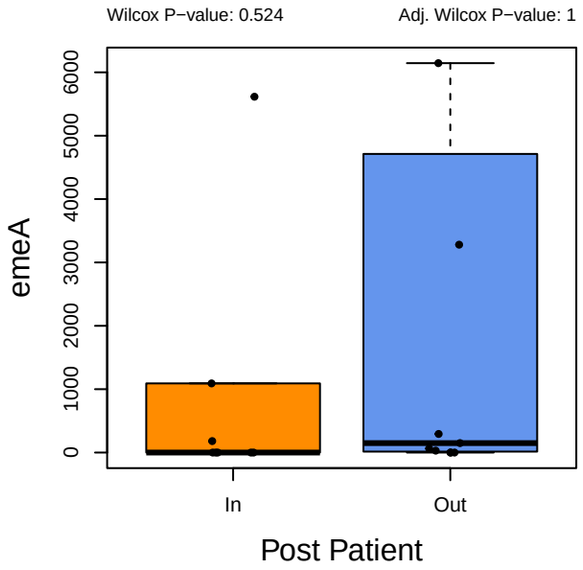

Wilcox P−value: 0.456
Adj. Wilcox P−value: 1
dfrB3
0
2000
4000
6000
8000
10000
In
Out
Post Patient

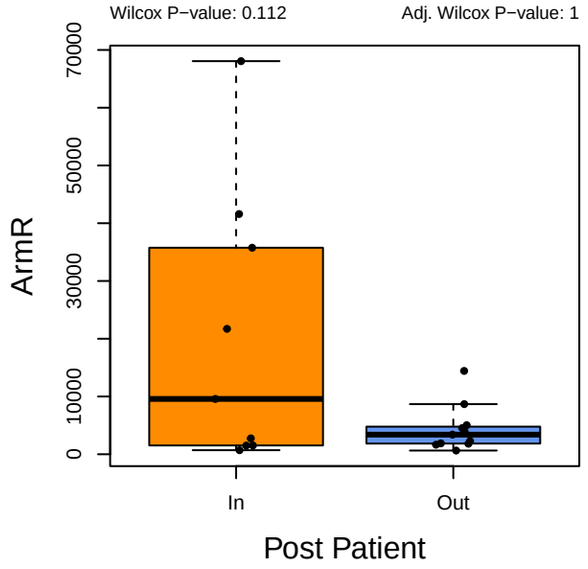

Wilcox P−value: 0.903
Adj. Wilcox P−value: 1
OmpA
0
1000
2000
3000
4000
In
Out
Post Patient

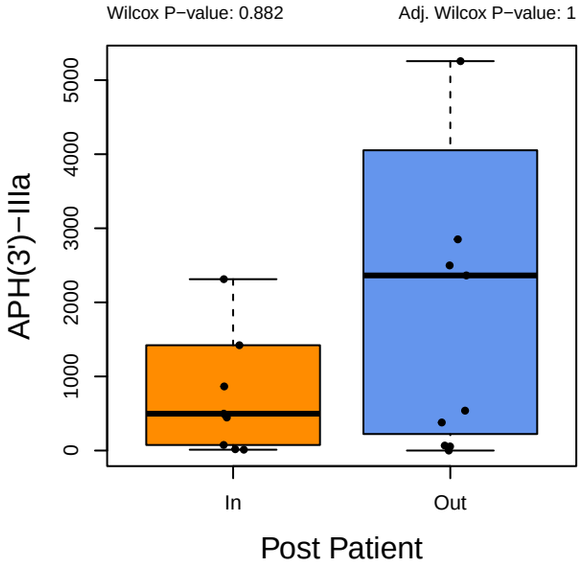

Wilcox P−value: 1
Adj. Wilcox P−value: 1
aad(6)
0
500
1000
1500
2000
2500
In
Out
Post Patient

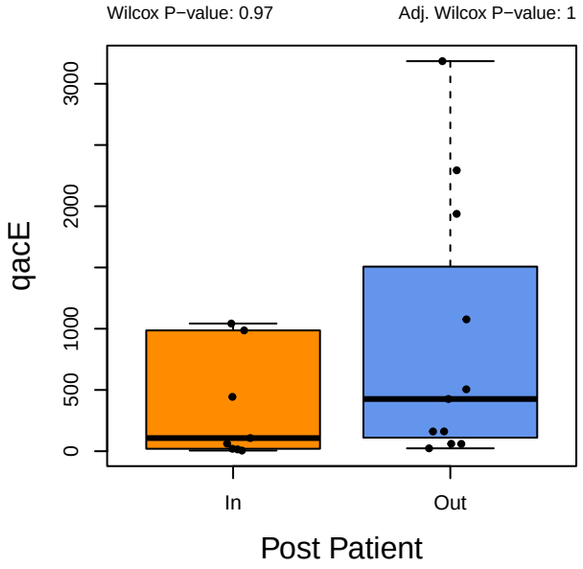

Wilcox P−value: 0.195
Adj. Wilcox P−value: 1
vanY_in_vanA_cl
0
500
1000
1500
In
Out
Post Patient

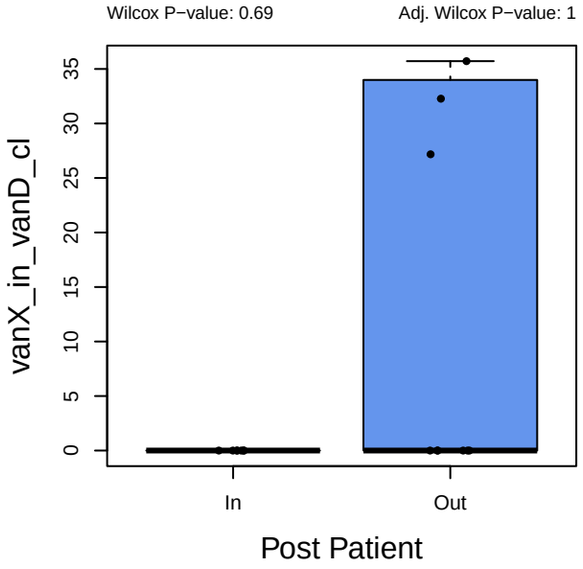

Wilcox P−value: 1
Adj. Wilcox P−value: 1
tet32
0
5000
10000
15000
20000
In
Out
Post Patient

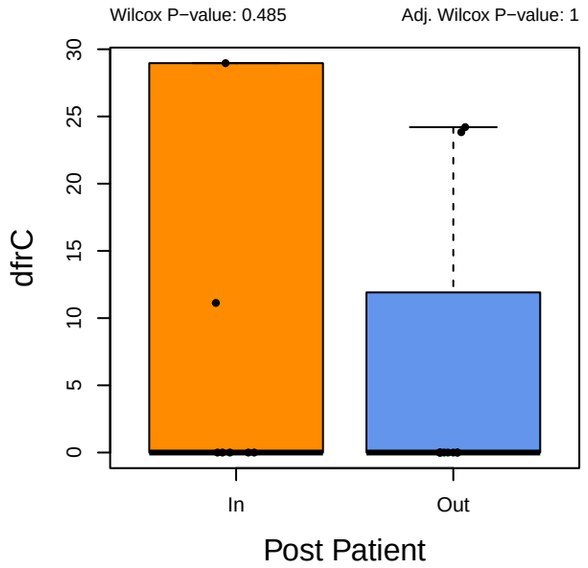

Wilcox P−value: 0.524
Adj. Wilcox P−value: 1
emeA
0
1000
2000
3000
4000
5000
6000
In
Out
Post Patient

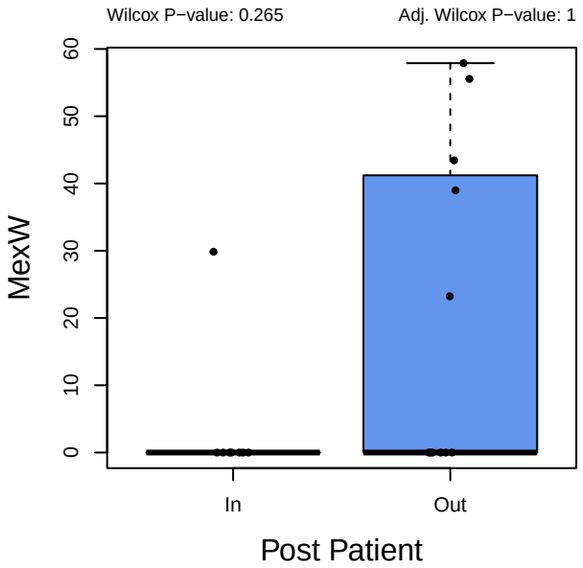

Wilcox P−value: 0.112
Adj. Wilcox P−value: 1
ArmR
0
10000
30000
50000
70000
In
Out
Post Patient

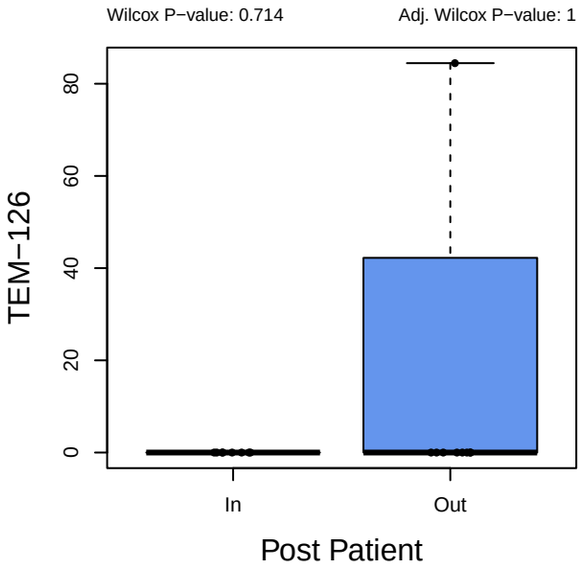

Wilcox P−value: 0.882
Adj. Wilcox P−value: 1
APH(3')−IIIa
0
1000
2000
3000
4000
5000
In
Out
Post Patient

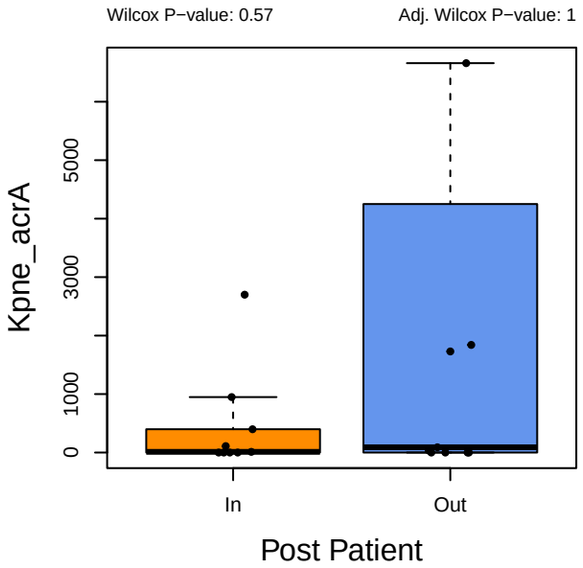

Wilcox P−value: 0.97
Adj. Wilcox P−value: 1
qacE
0
500
1000
2000
3000
In
Out
Post Patient

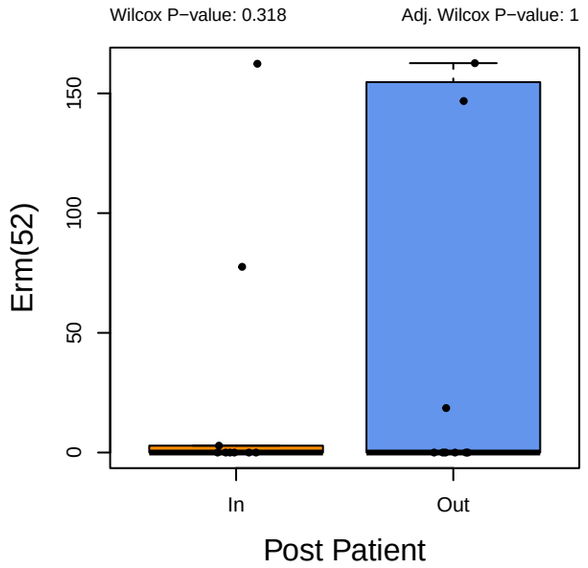

Wilcox P−value: 0.69
Adj. Wilcox P−value: 1
vanX_in_vanD_cl
0
5
10
15
20
25
30
35
In
Out
Post Patient

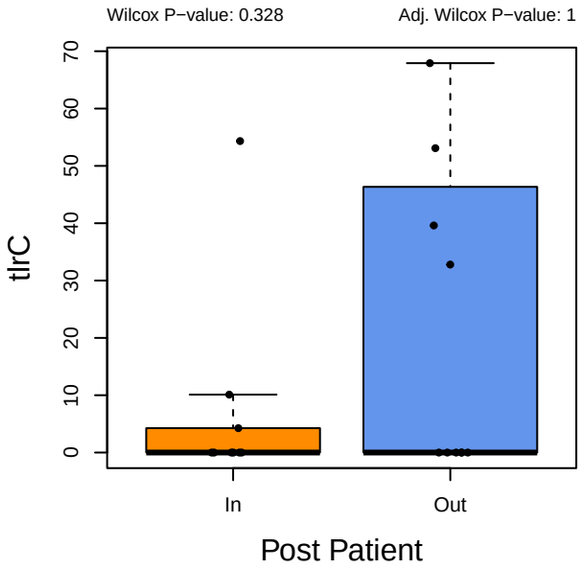

Wilcox P−value: 0.485
Adj. Wilcox P−value: 1
dfrC
0
5
10
15
20
25
30
In
Out
Post Patient

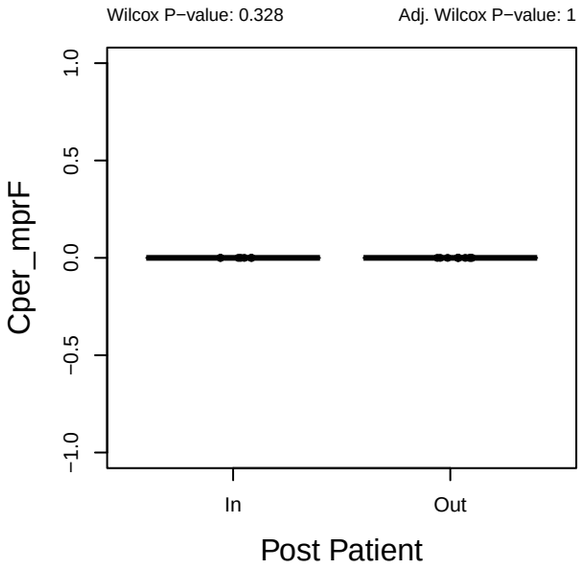

Wilcox P−value: 0.265
Adj. Wilcox P−value: 1
MexW
0
10
20
30
40
50
60
In
Out
Post Patient

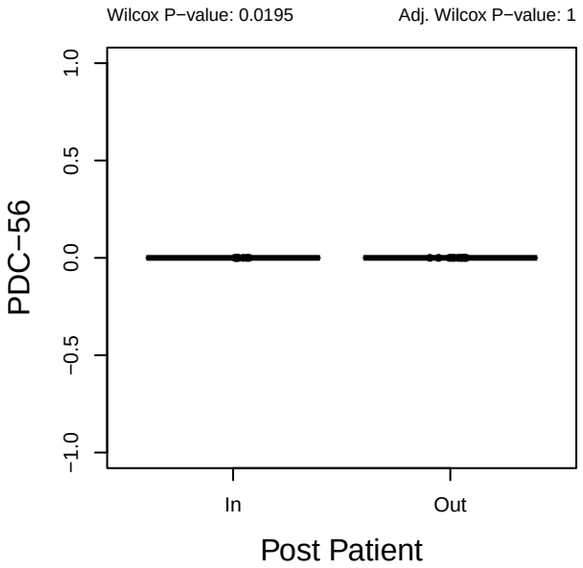

Wilcox P−value: 0.714
Adj. Wilcox P−value: 1
TEM−126
0
20
40
60
80
In
Out
Post Patient

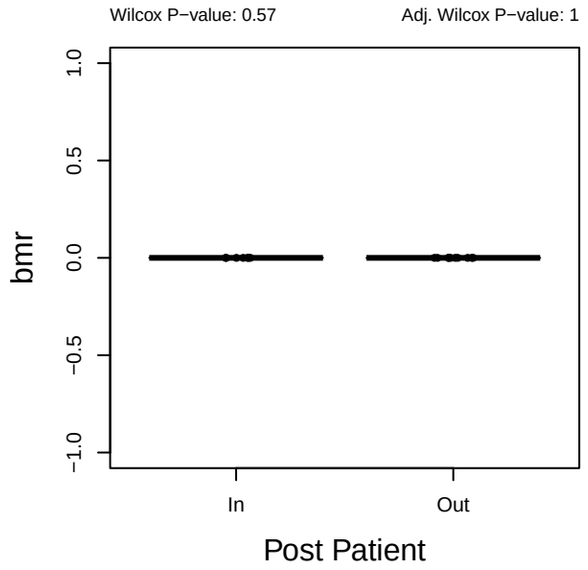

Wilcox P−value: 0.57
Adj. Wilcox P−value: 1
Kpne_acrA
0
1000
3000
5000
In
Out
Post Patient

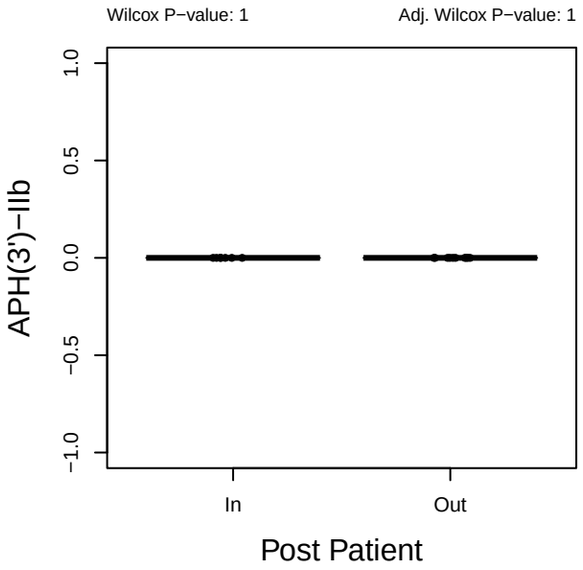

Wilcox P−value: 0.318
Adj. Wilcox P−value: 1
Erm(52)
0
50
100
150
In
Out
Post Patient

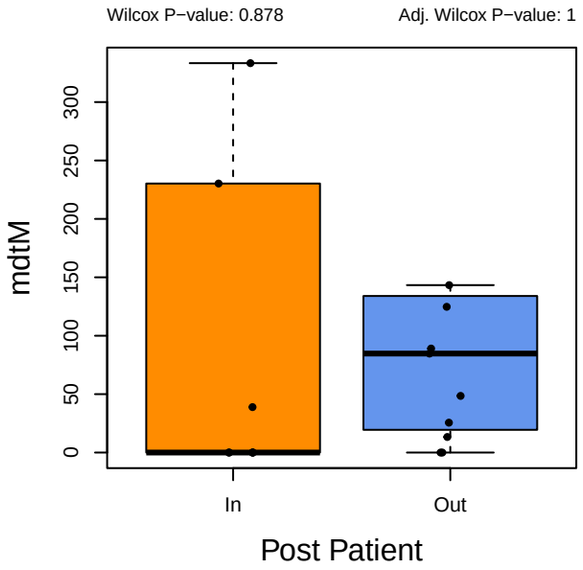

Wilcox P−value: 0.328
Adj. Wilcox P−value: 1
tlrC
0
10
20
30
40
50
60
70
In
Out
Post Patient

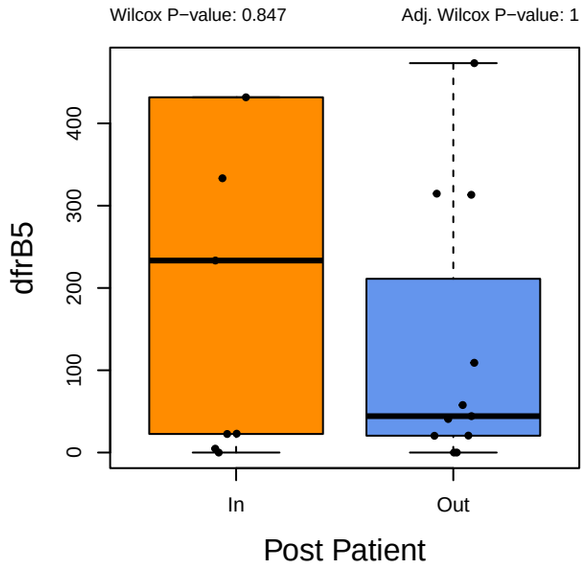

Wilcox P−value: 0.328
Adj. Wilcox P−value: 1
Cper_mprF
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

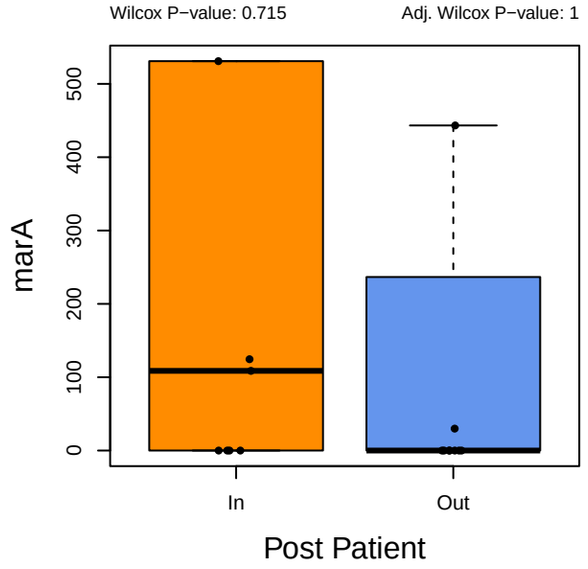

Wilcox P−value: 0.0195
Adj. Wilcox P−value: 1
PDC−56
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

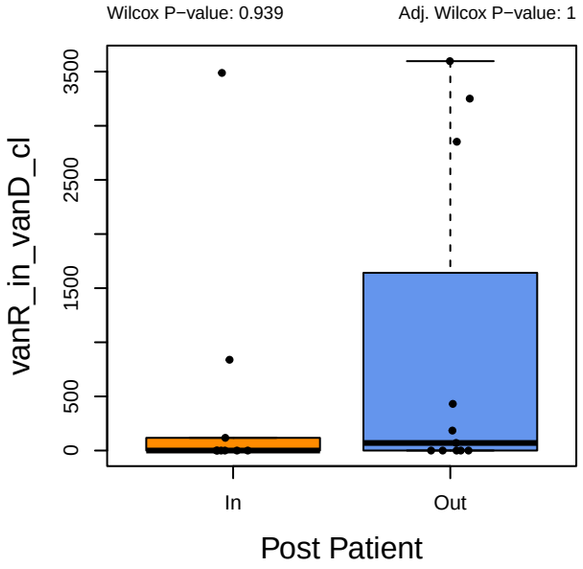

Wilcox P−value: 0.57
Adj. Wilcox P−value: 1
bmr
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

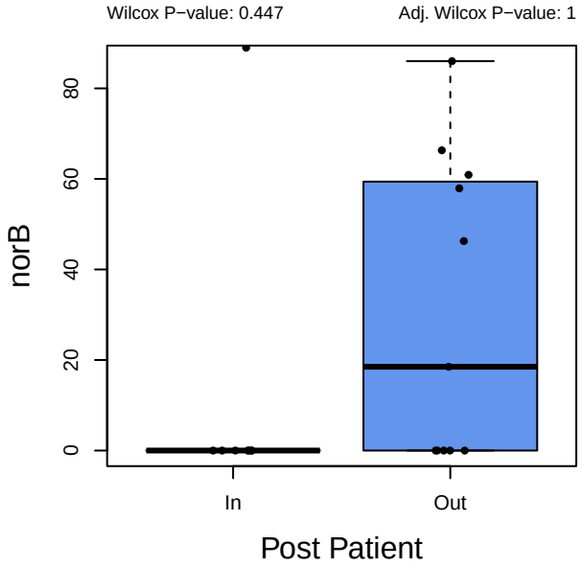

Wilcox P−value: 1
Adj. Wilcox P−value: 1
APH(3')−IIb
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

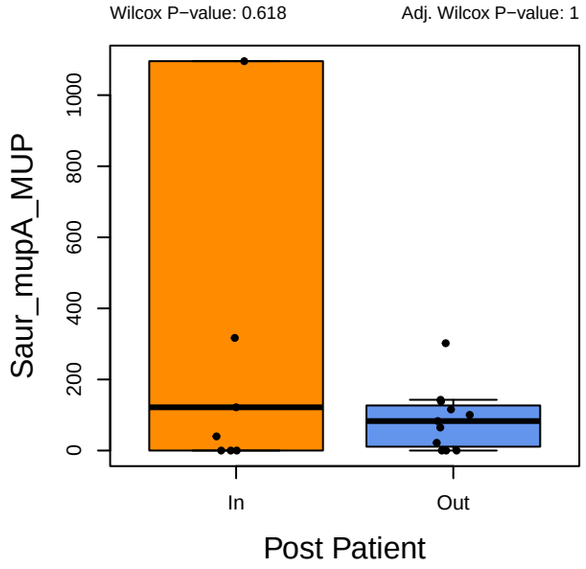

Wilcox P−value: 0.878
Adj. Wilcox P−value: 1
mdtM
300
250
200
150
100
50
0
In
Out
Post Patient

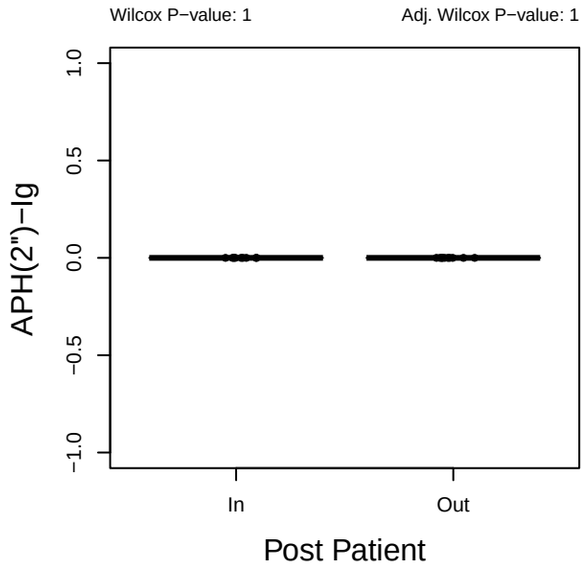

Wilcox P−value: 0.847
Adj. Wilcox P−value: 1
dfrB5
400
300
200
100
0
In
Out
Post Patient

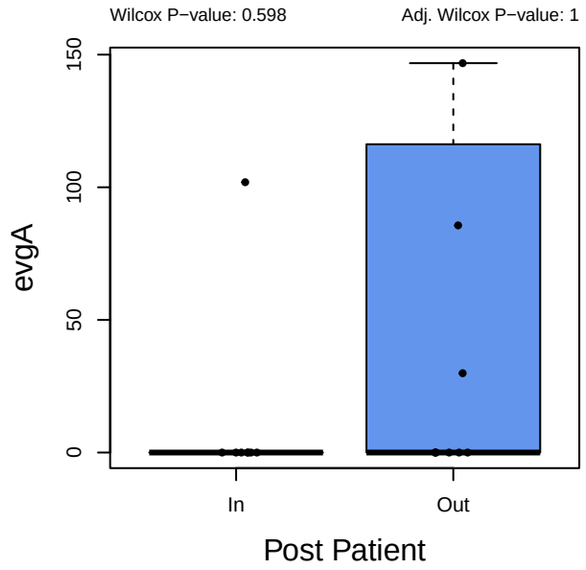

Wilcox P−value: 0.715
Adj. Wilcox P−value: 1
marA
500
400
300
200
100
0
In
Out
Post Patient

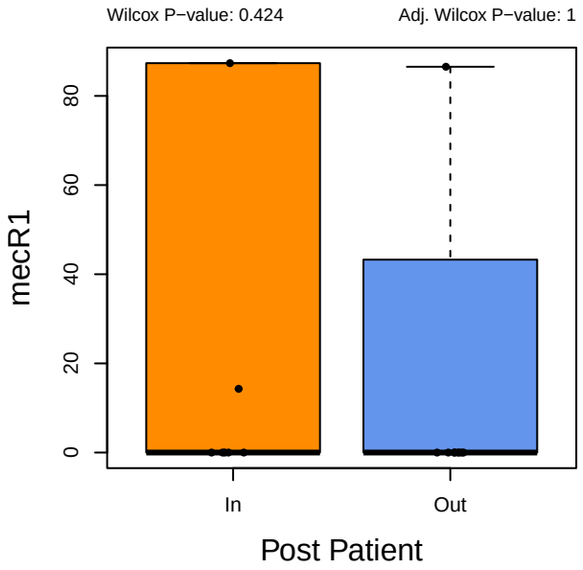

Wilcox P−value: 0.939
Adj. Wilcox P−value: 1
vanR_in_vanD_cl
3500
2500
1500
500
0
In
Out
Post Patient

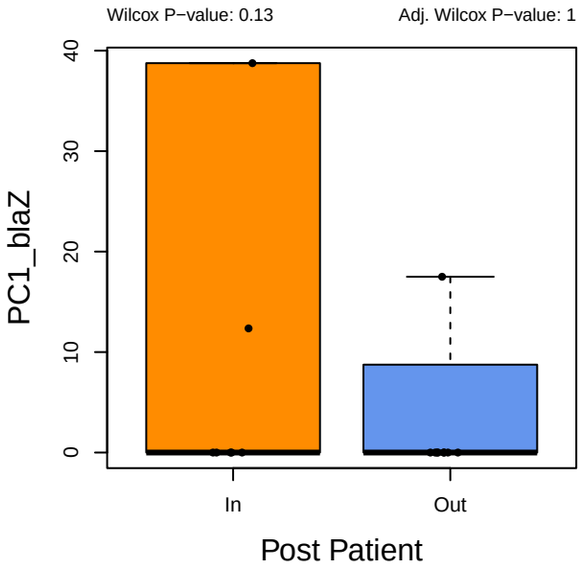

Wilcox P−value: 0.447
Adj. Wilcox P−value: 1
norB
80
60
40
20
0
In
Out
Post Patient

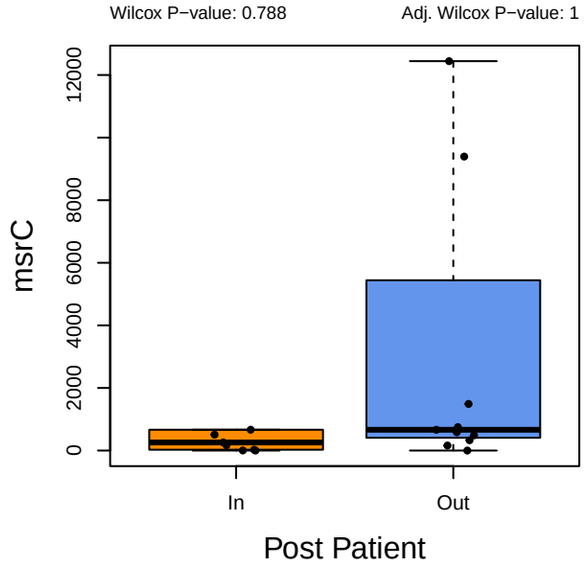

Wilcox P−value: 0.618
Adj. Wilcox P−value: 1
Saur_mupA_MUP
1000
800
600
400
200
0
In
Out
Post Patient

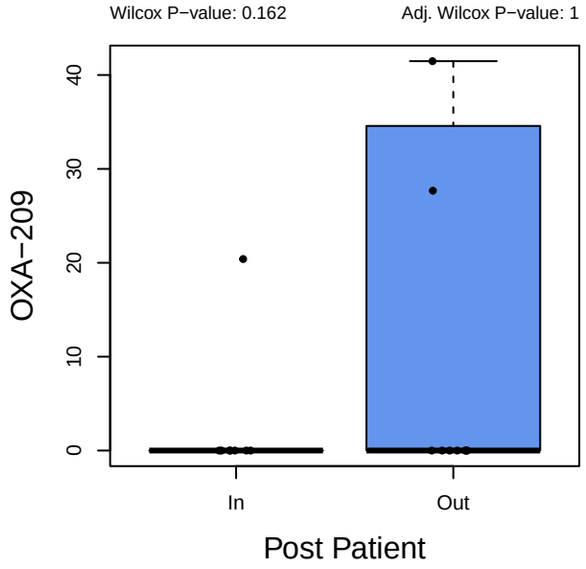

Wilcox P−value: 1
Adj. Wilcox P−value: 1
APH(2")−Ig
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

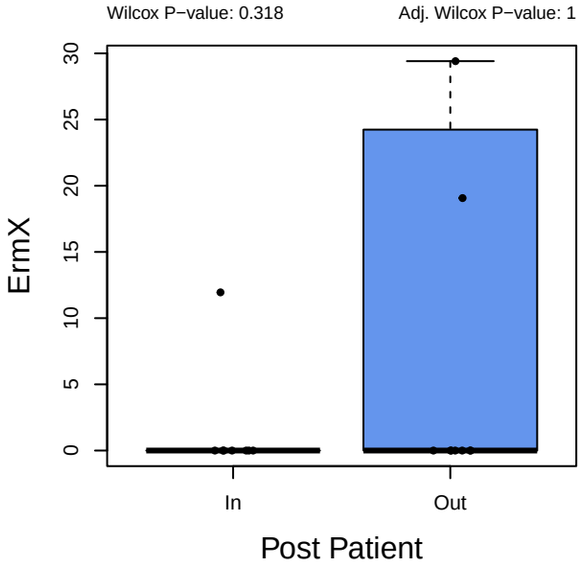

Wilcox P−value: 0.598
Adj. Wilcox P−value: 1
evgA
150
100
50
0
In
Out
Post Patient

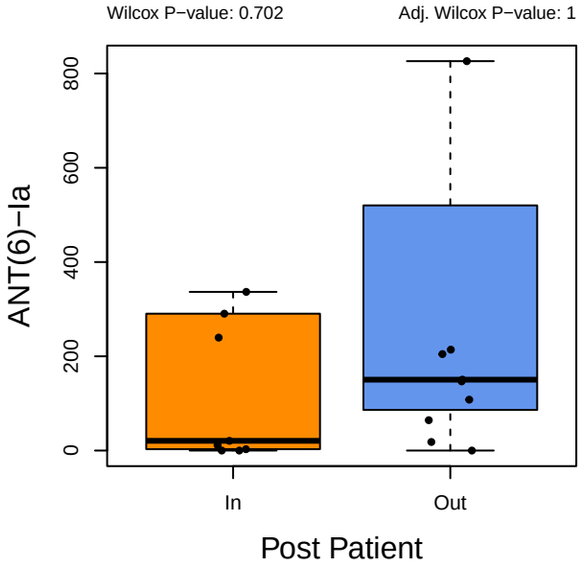

Wilcox P−value: 0.424
Adj. Wilcox P−value: 1
mecR1
80
60
40
20
0
In
Out
Post Patient

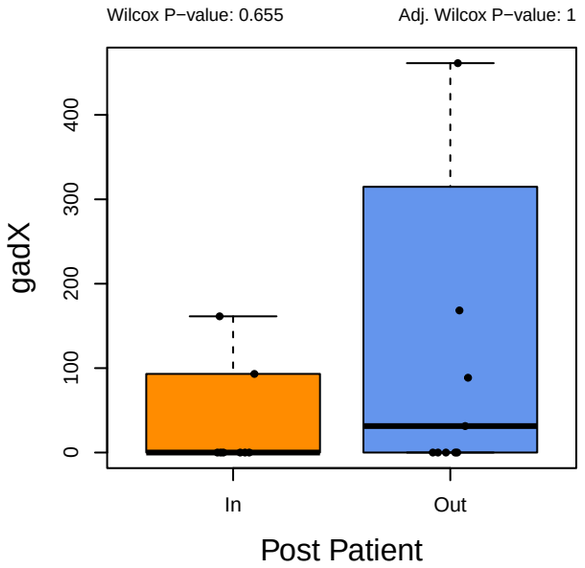

Wilcox P−value: 0.13
Adj. Wilcox P−value: 1
PC1_blaZ
40
30
20
10
0
In
Out
Post Patient

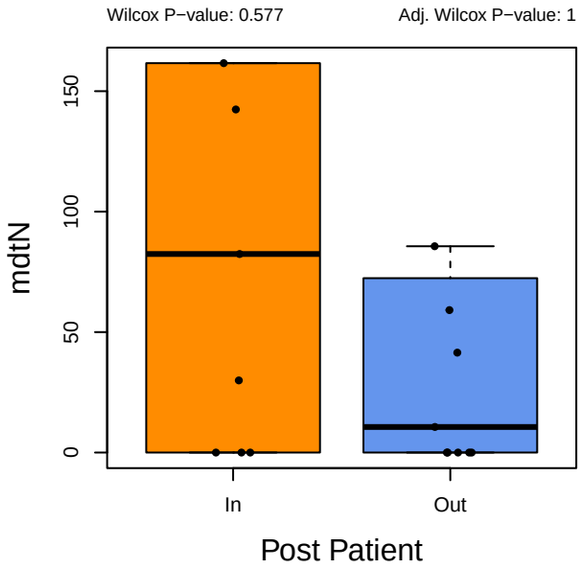

Wilcox P−value: 0.788
Adj. Wilcox P−value: 1
msrC
12000
8000
6000
4000
2000
0
In
Out
Post Patient

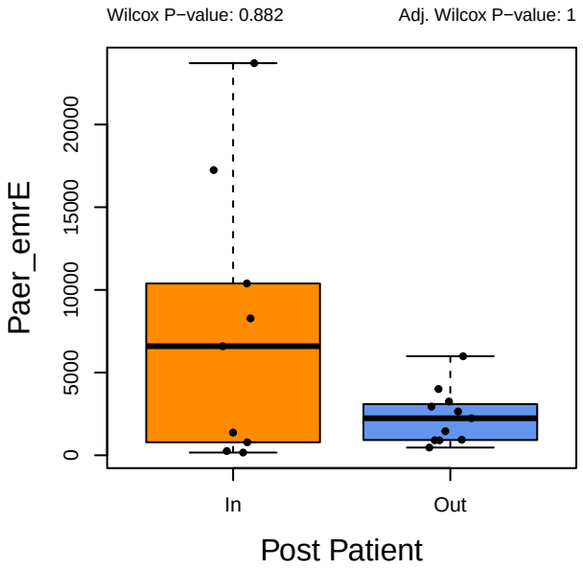

Wilcox P−value: 0.162
Adj. Wilcox P−value: 1
OXA−209
40
30
20
10
0
In
Out
Post Patient

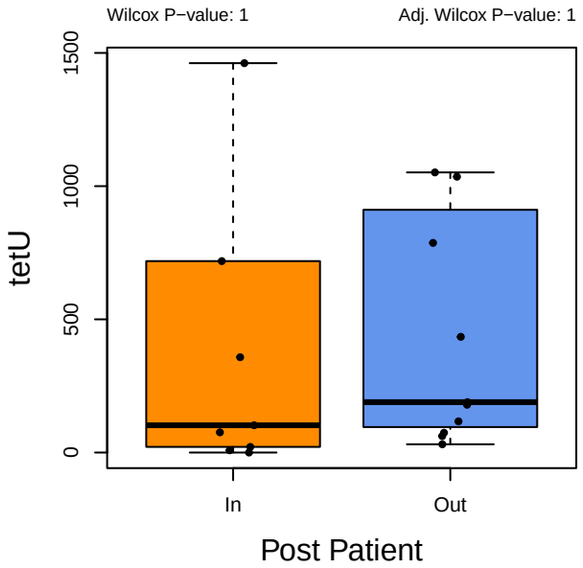

Wilcox P−value: 0.318
Adj. Wilcox P−value: 1
ErmX
30
25
20
15
10
5
0
In
Out
Post Patient

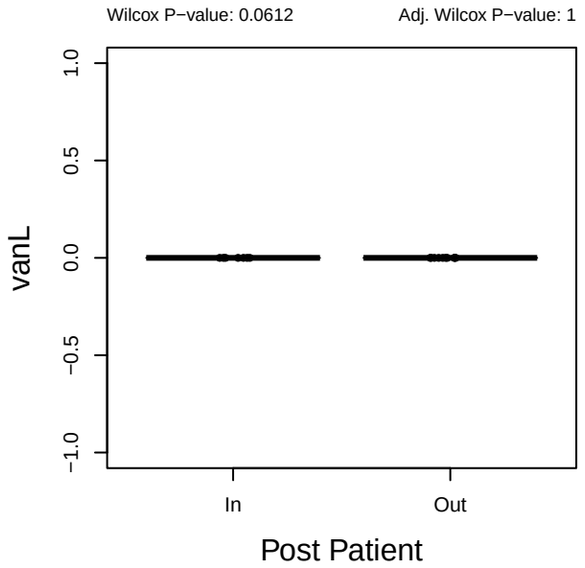

Wilcox P−value: 0.702
Adj. Wilcox P−value: 1
ANT(6)−Ia
800
600
400
200
0
In
Out
Post Patient

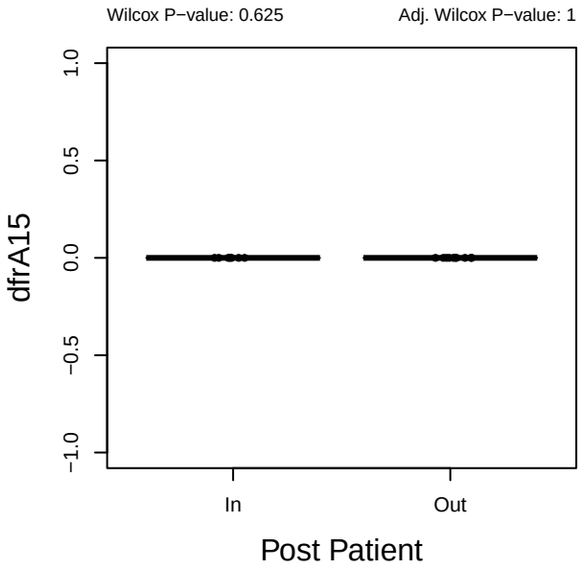

Wilcox P−value: 0.655
Adj. Wilcox P−value: 1
gadX
0
100
200
300
400
In
Out
Post Patient

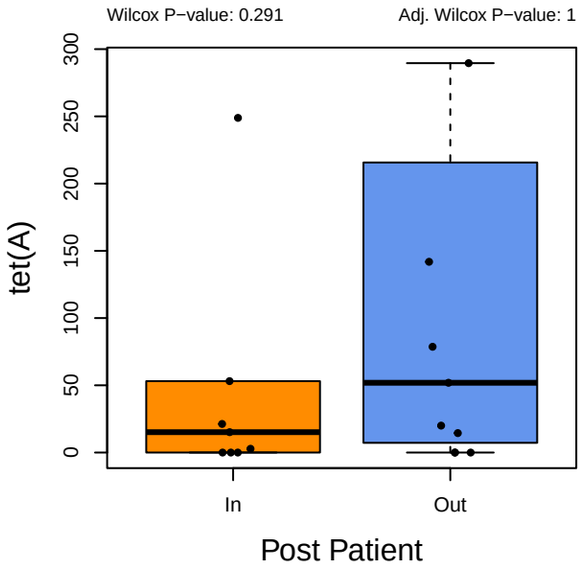

Wilcox P−value: 0.577
Adj. Wilcox P−value: 1
mdtN
0
50
100
150
In
Out
Post Patient

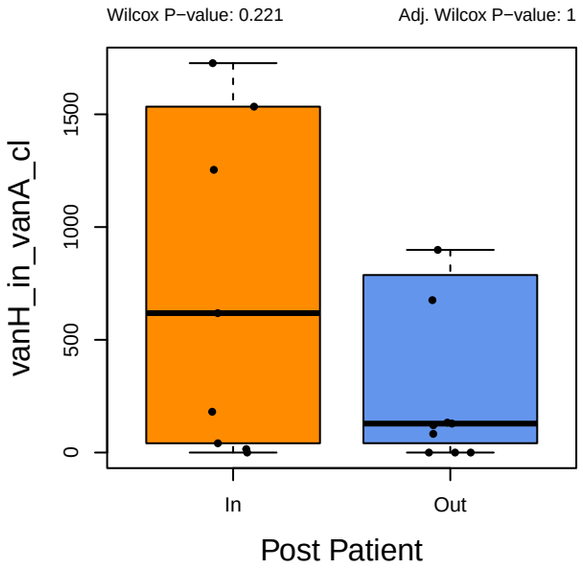

Wilcox P−value: 0.882
Adj. Wilcox P−value: 1
Paer_emrE
0
5000
10000
15000
20000
In
Out
Post Patient

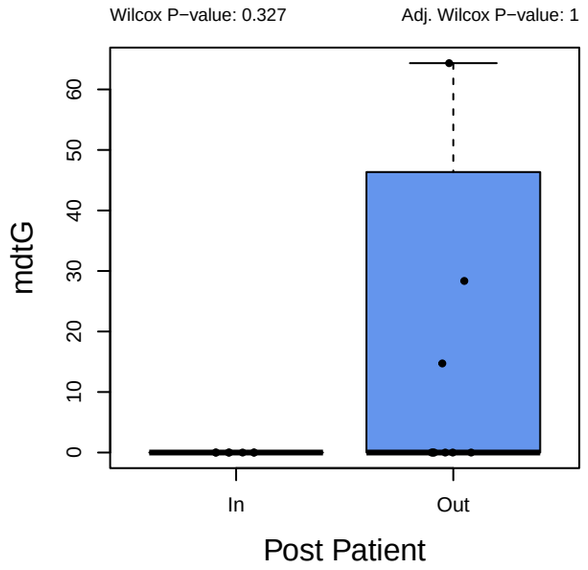

Wilcox P−value: 1
Adj. Wilcox P−value: 1
tetU
0
500
1000
1500
In
Out
Post Patient

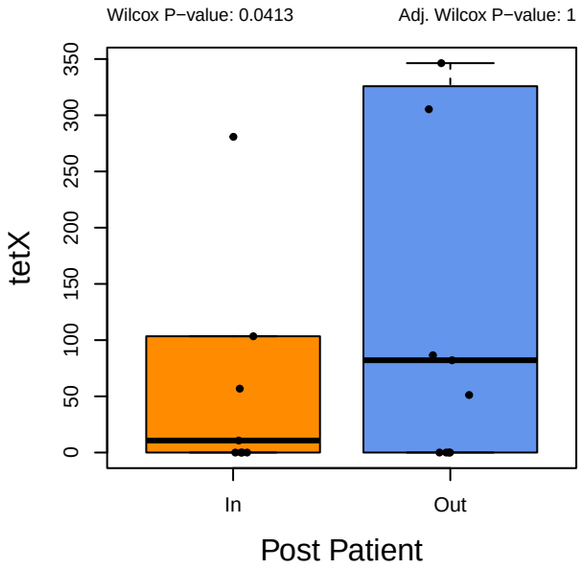

Wilcox P−value: 0.0612
Adj. Wilcox P−value: 1
vanL
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

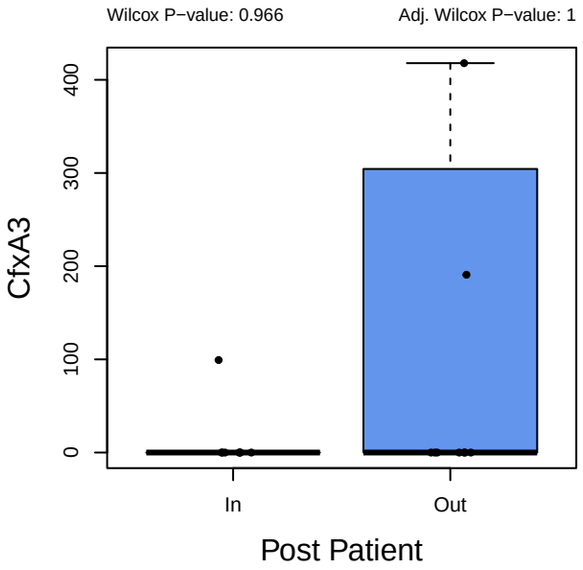

Wilcox P−value: 0.625
Adj. Wilcox P−value: 1
dfrA15
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

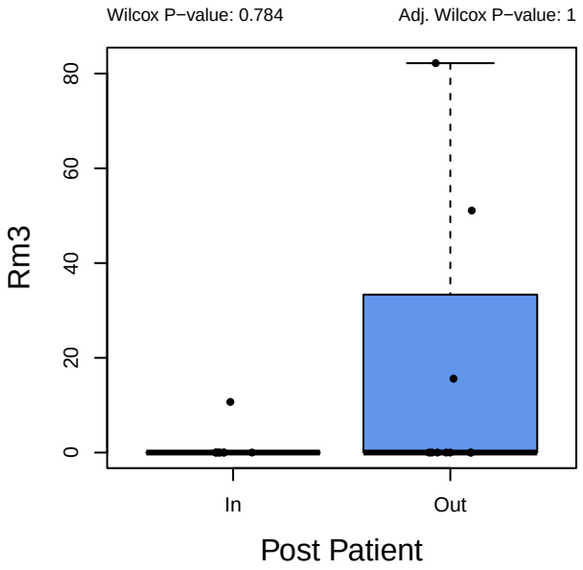

Wilcox P−value: 0.291
Adj. Wilcox P−value: 1
tet(A)
0
50
100
150
200
250
300
In
Out
Post Patient

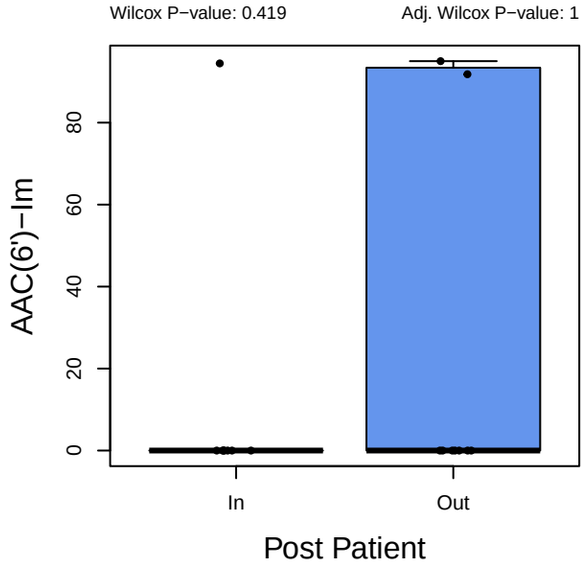

Wilcox P−value: 0.221
Adj. Wilcox P−value: 1
vanH_in_vanA_cl
0
500
1000
1500
In
Out
Post Patient

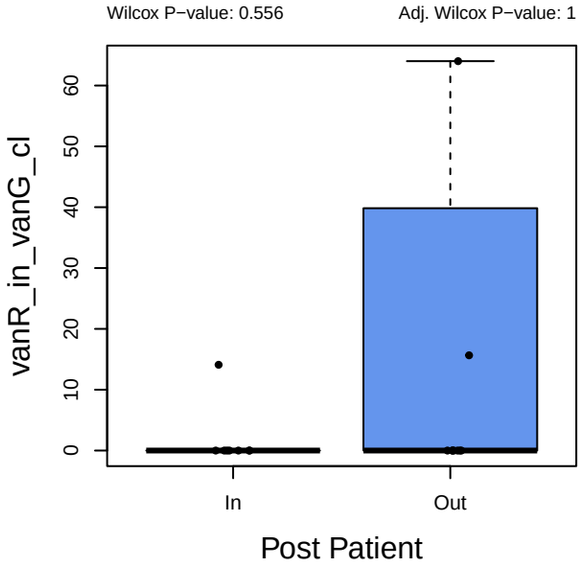

Wilcox P−value: 0.327
Adj. Wilcox P−value: 1
mdtG
0
10
20
30
40
50
60
In
Out
Post Patient

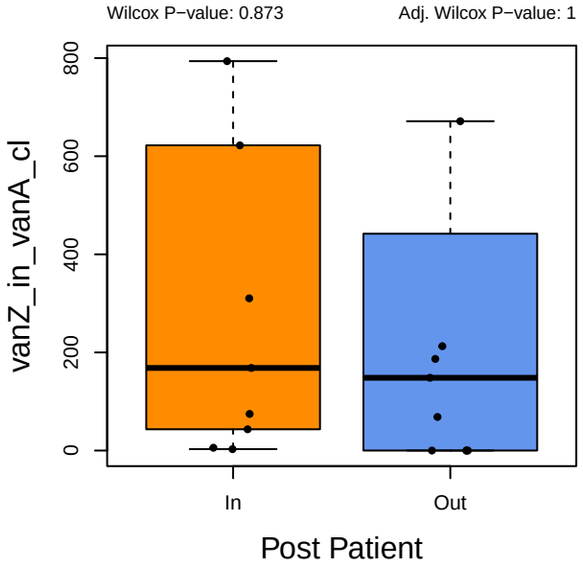

Wilcox P−value: 0.0413
Adj. Wilcox P−value: 1
tetX
0
50
100
150
200
250
300
350
In
Out
Post Patient

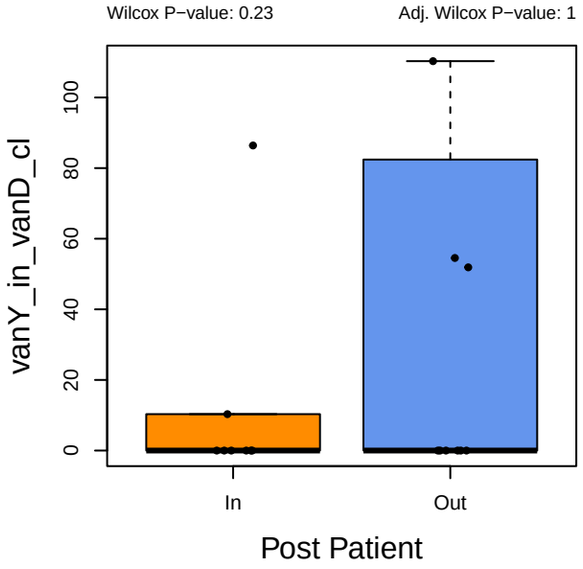

Wilcox P−value: 0.966
Adj. Wilcox P−value: 1
CfxA3
0
100
200
300
400
In
Out
Post Patient

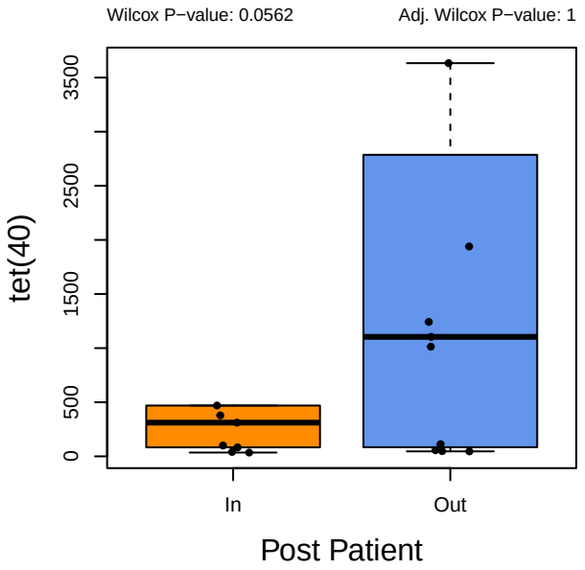

Wilcox P−value: 0.784
Adj. Wilcox P−value: 1
Rm3
0
20
40
60
80
In
Out
Post Patient

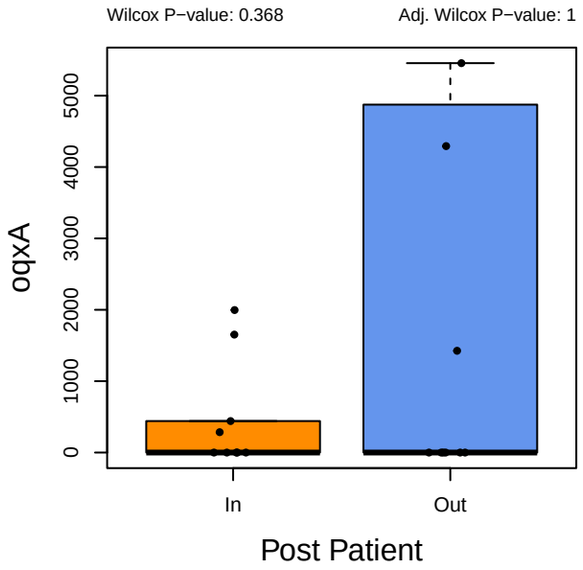

Wilcox P−value: 0.419
Adj. Wilcox P−value: 1
AAC(6')−Im
0
20
40
60
80
In
Out
Post Patient

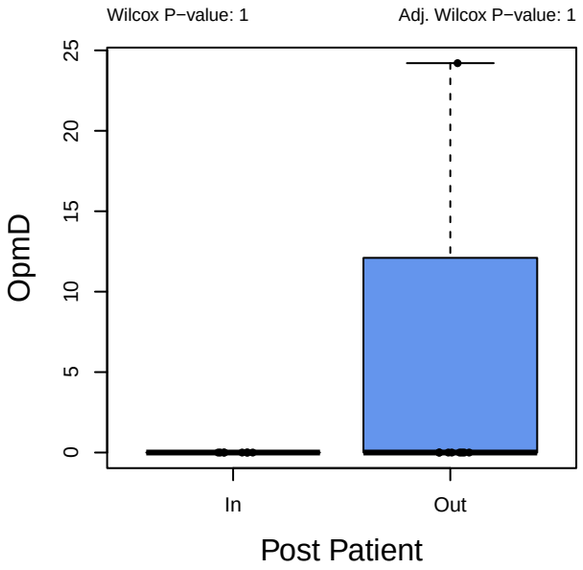

Wilcox P−value: 0.556
Adj. Wilcox P−value: 1
vanR_in_vanG_cl
0
10
20
30
40
50
60
In
Out
Post Patient

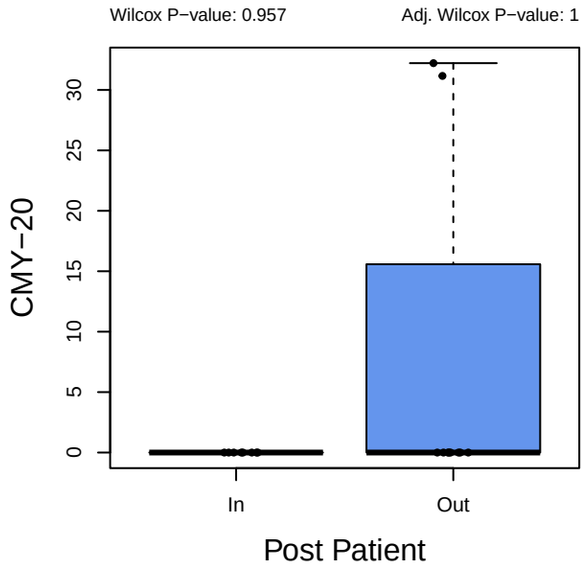

Wilcox P−value: 0.873
Adj. Wilcox P−value: 1
vanZ_in_vanA_cl
0
200
400
600
800
In
Out
Post Patient

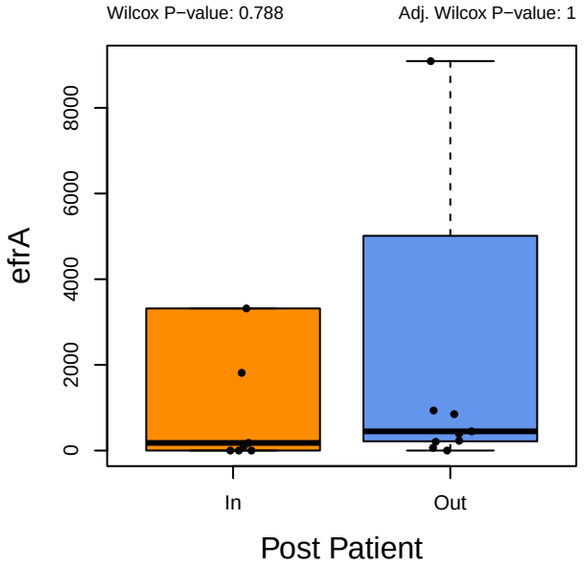

Wilcox P−value: 0.23
Adj. Wilcox P−value: 1
vanY_in_vanD_cl
0
20
40
60
80
100
In
Out
Post Patient

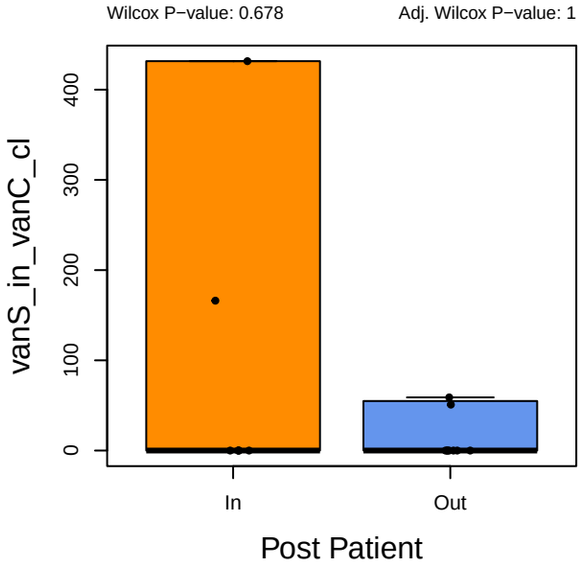

Wilcox P−value: 0.0562
Adj. Wilcox P−value: 1
tet(40)
0
500
1500
2500
3500
In
Out
Post Patient

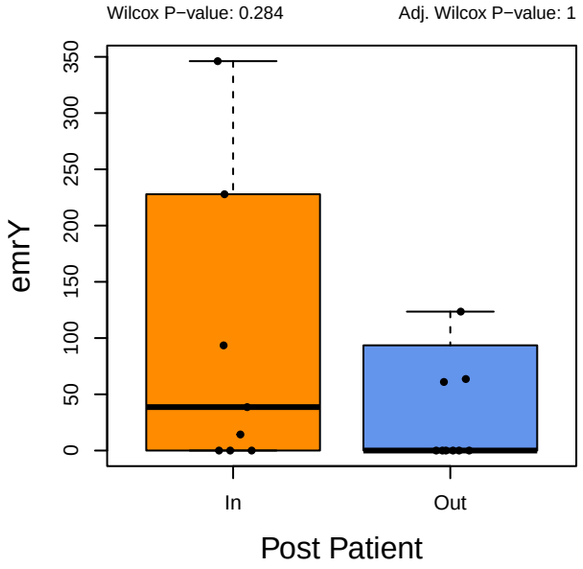

Wilcox P−value: 0.368
Adj. Wilcox P−value: 1
oqxA
0
1000
2000
3000
4000
5000
In
Out
Post Patient

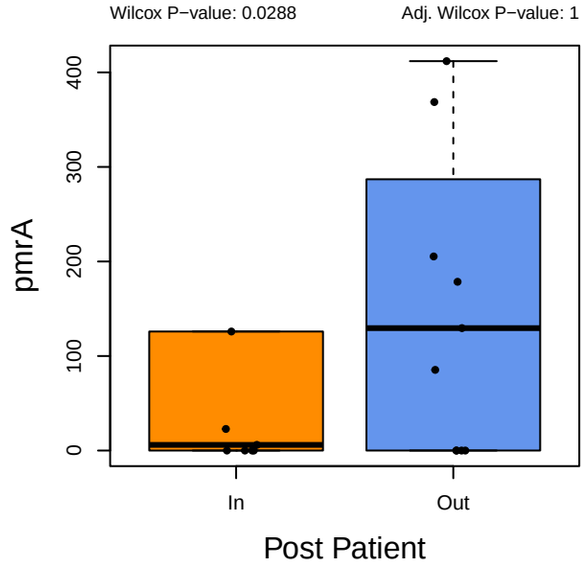

Wilcox P−value: 1
Adj. Wilcox P−value: 1
OpmD
0
5
10
15
20
25
In
Out
Post Patient

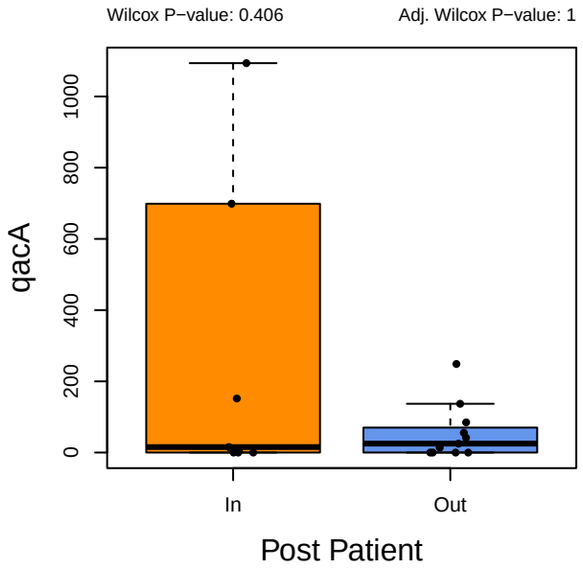

Wilcox P−value: 0.957
Adj. Wilcox P−value: 1
CMY−20
0
5
10
15
20
25
30
In
Out
Post Patient

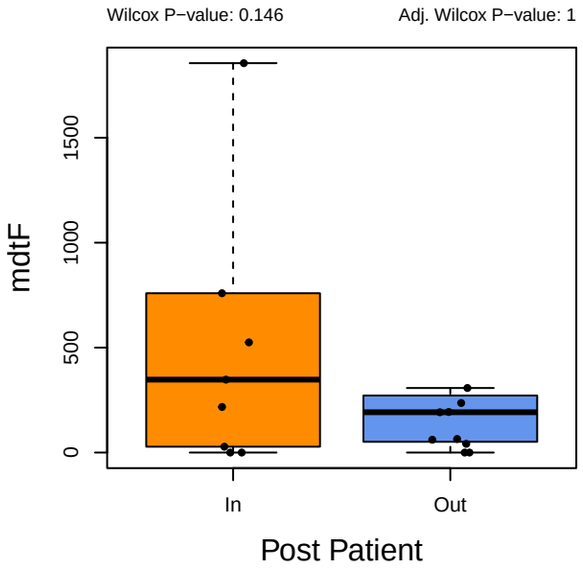

Wilcox P−value: 0.788
Adj. Wilcox P−value: 1
efrA
0
2000
4000
6000
8000
In
Out
Post Patient

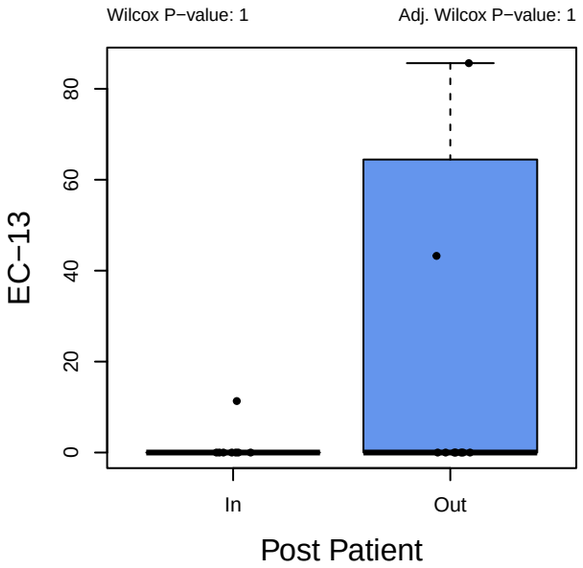

Wilcox P−value: 0.678
Adj. Wilcox P−value: 1
vanS_in_vanC_cl
0
100
200
300
400
In
Out
Post Patient

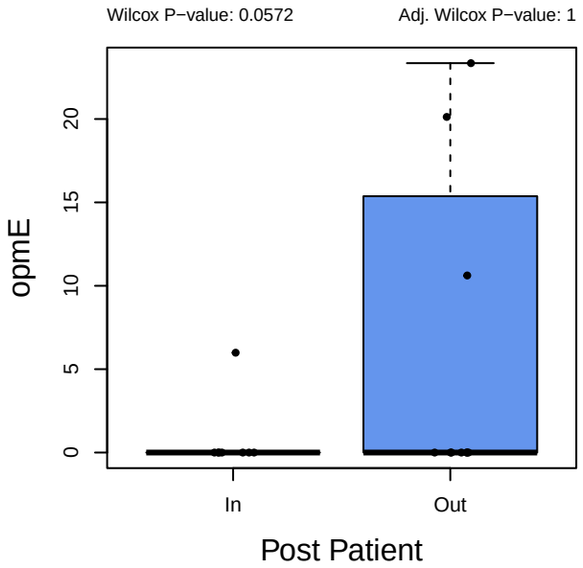

Wilcox P−value: 0.284
Adj. Wilcox P−value: 1
emrY
0
50
100
150
200
250
300
350
In
Out
Post Patient

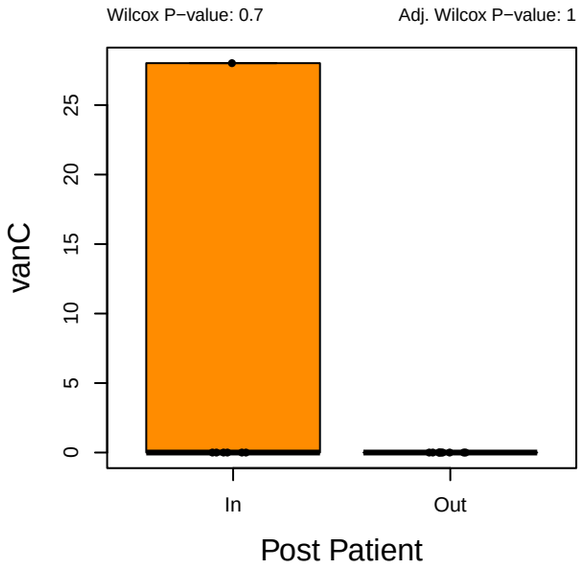

Wilcox P−value: 0.0288
Adj. Wilcox P−value: 1
pmrA
0
100
200
300
400
In
Out
Post Patient

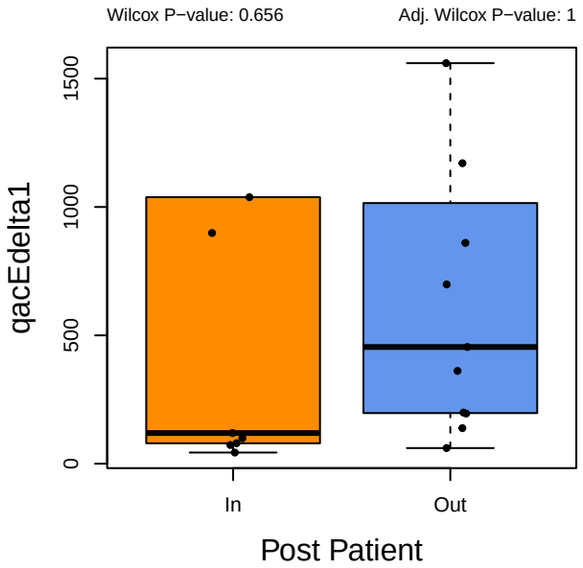

Wilcox P−value: 0.406
Adj. Wilcox P−value: 1
qacA
0
200
400
600
800
1000
In
Out
Post Patient

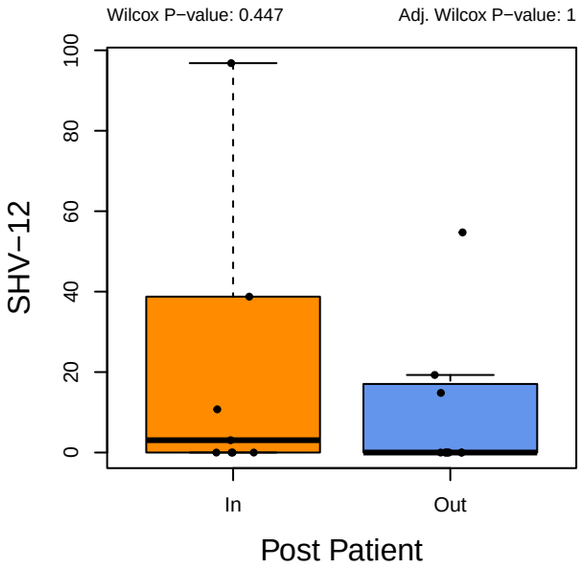

Wilcox P−value: 0.146
Adj. Wilcox P−value: 1
mdtF
0
500
1000
1500
In
Out
Post Patient

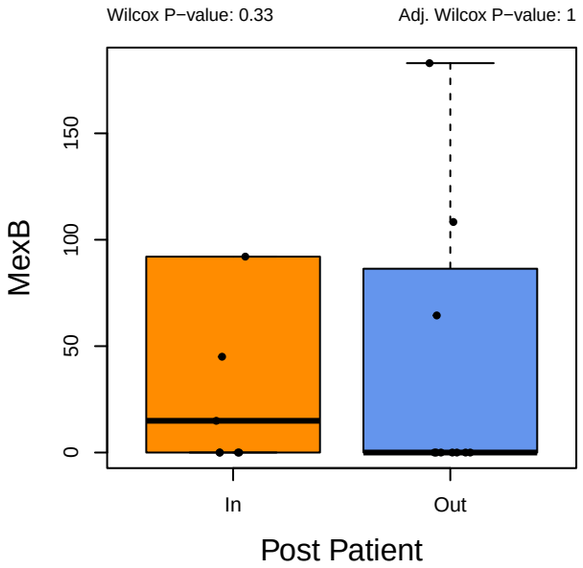

Wilcox P−value: 1
Adj. Wilcox P−value: 1
EC−13
0
20
40
60
80
In
Out
Post Patient

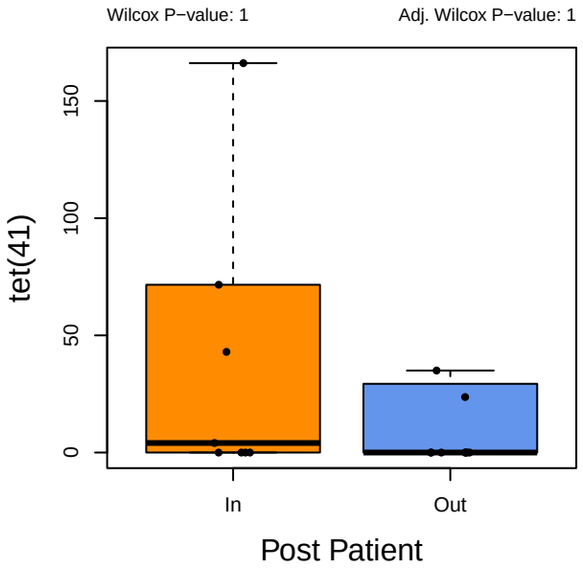

Wilcox P−value: 0.0572
Adj. Wilcox P−value: 1
opmE
0
5
10
15
20
In
Out
Post Patient

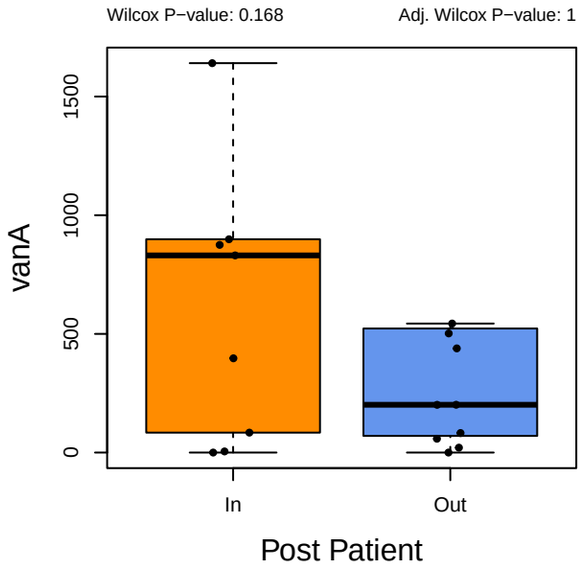

Wilcox P−value: 0.7
Adj. Wilcox P−value: 1
vanC
0
5
10
15
20
25
In
Out
Post Patient

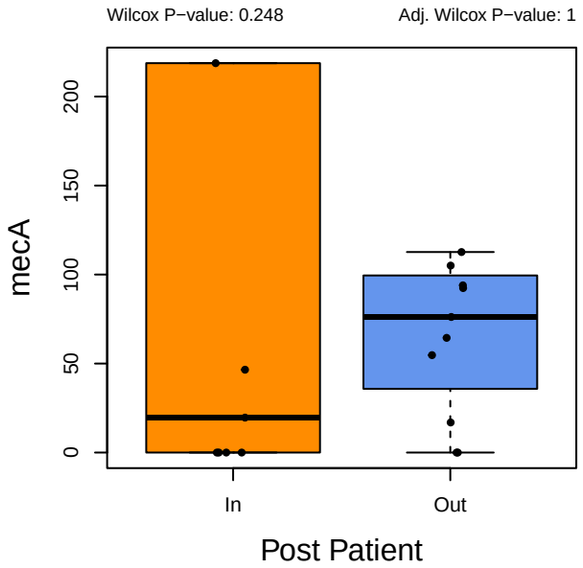

Wilcox P−value: 0.656
Adj. Wilcox P−value: 1
qacEdelta1
0
500
1000
1500
In
Out
Post Patient

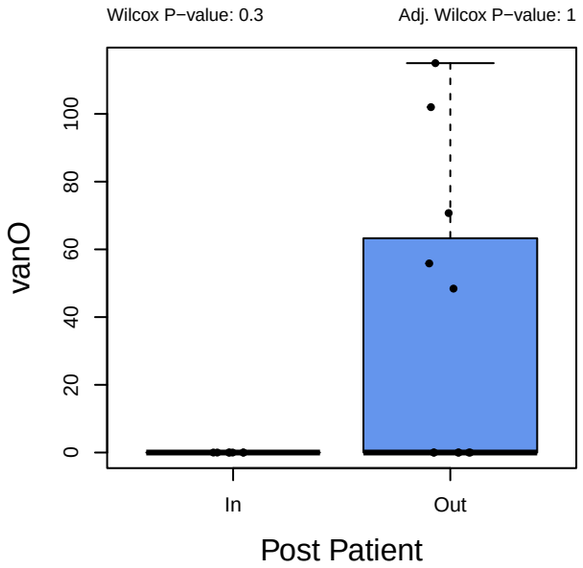

Wilcox P−value: 0.447
Adj. Wilcox P−value: 1
SHV−12
0
20
40
60
80
100
In
Out
Post Patient

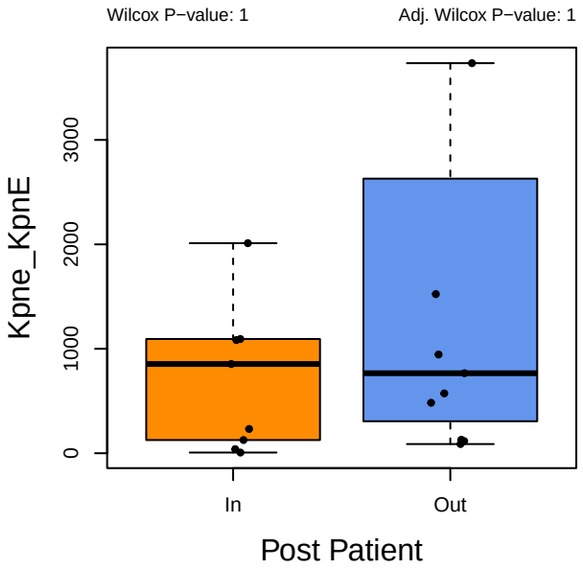

Wilcox P−value: 0.33
Adj. Wilcox P−value: 1
MexB
0
50
100
150
In
Out
Post Patient

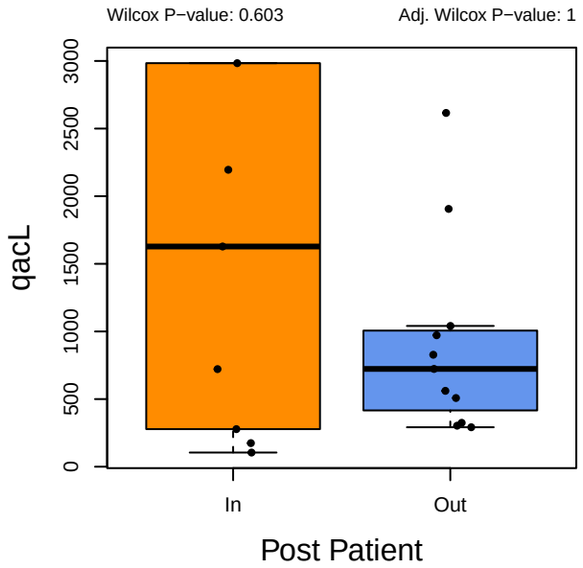

Wilcox P−value: 1
Adj. Wilcox P−value: 1
tet(41)
0
50
100
150
In
Out
Post Patient

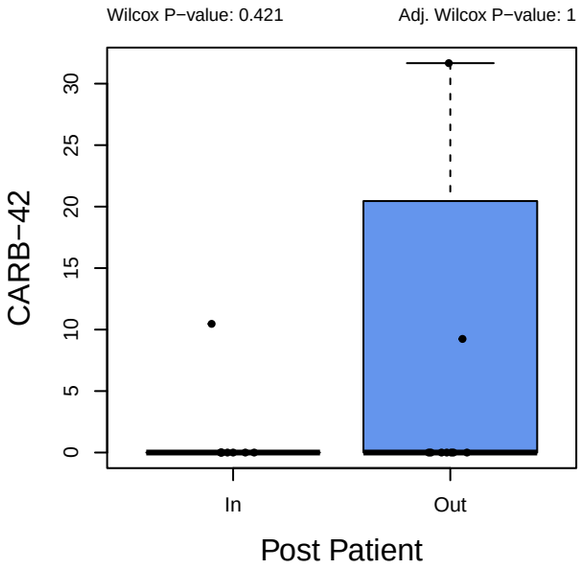

Wilcox P−value: 0.168
Adj. Wilcox P−value: 1
vanA
0
500
1000
1500
In
Out
Post Patient

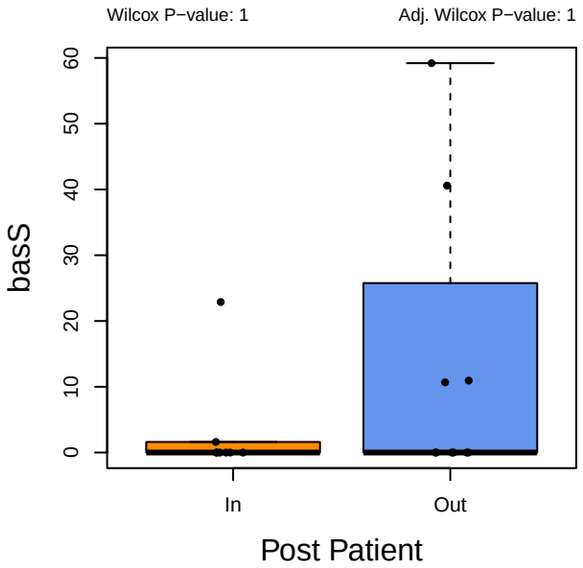

Wilcox P−value: 0.248
Adj. Wilcox P−value: 1
mecA
0
50
100
150
200
In
Out
Post Patient

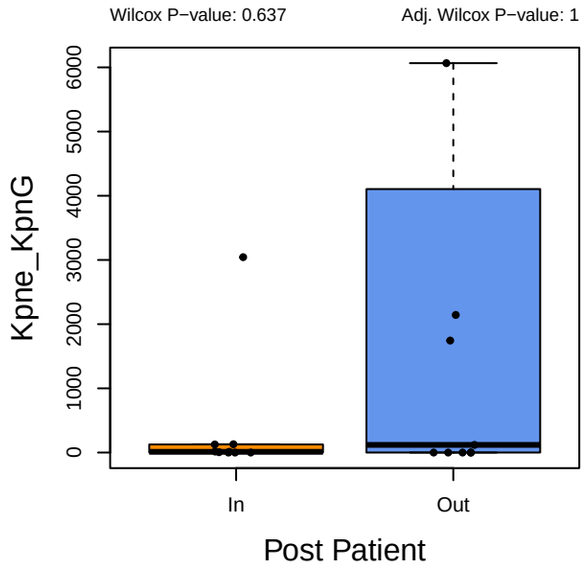

Wilcox P−value: 0.3
Adj. Wilcox P−value: 1
vanO
0
20
40
60
80
100
In
Out
Post Patient

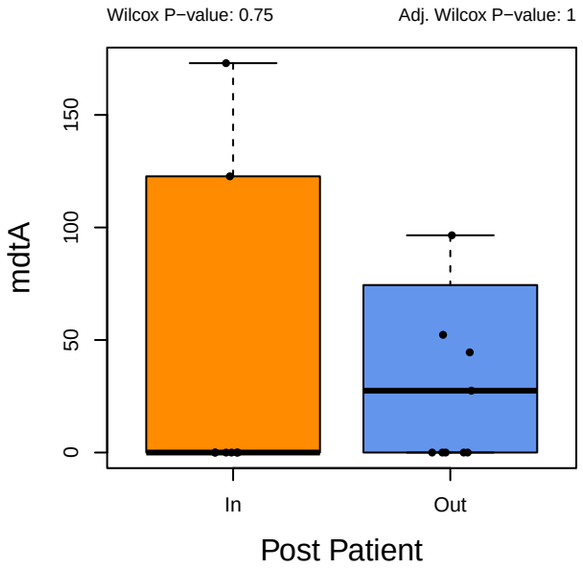

Wilcox P−value: 1
Adj. Wilcox P−value: 1
Kpne_KpnE
0
1000
2000
3000
In
Out
Post Patient

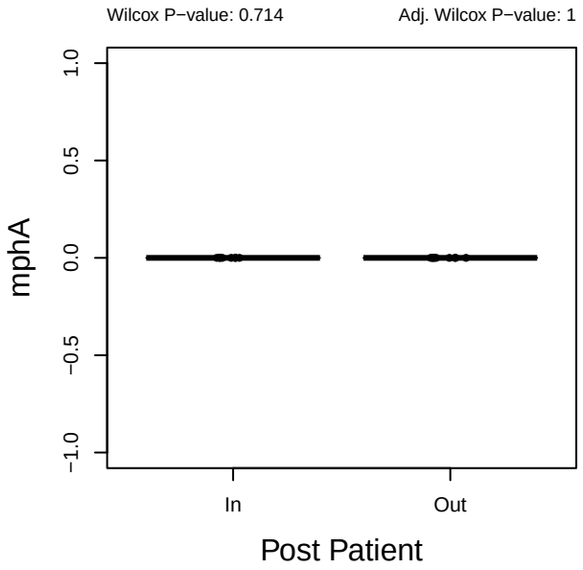

Wilcox P−value: 0.603
Adj. Wilcox P−value: 1
qacL
0
500
1000
1500
2000
2500
3000
In
Out
Post Patient

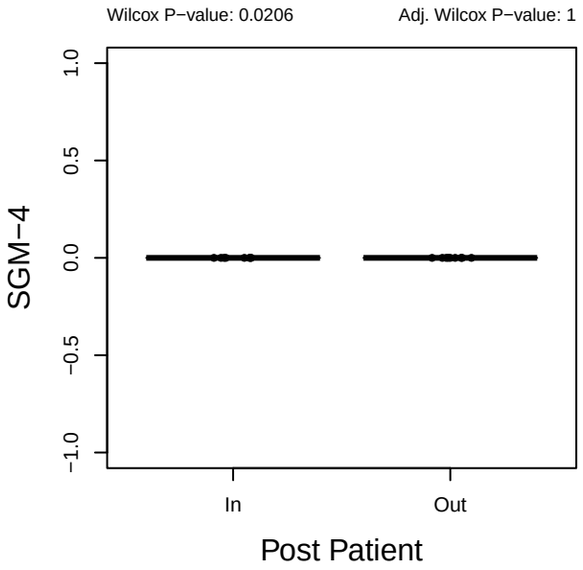

Wilcox P−value: 0.421
Adj. Wilcox P−value: 1
CARB−42
0
5
10
15
20
25
30
In
Out
Post Patient

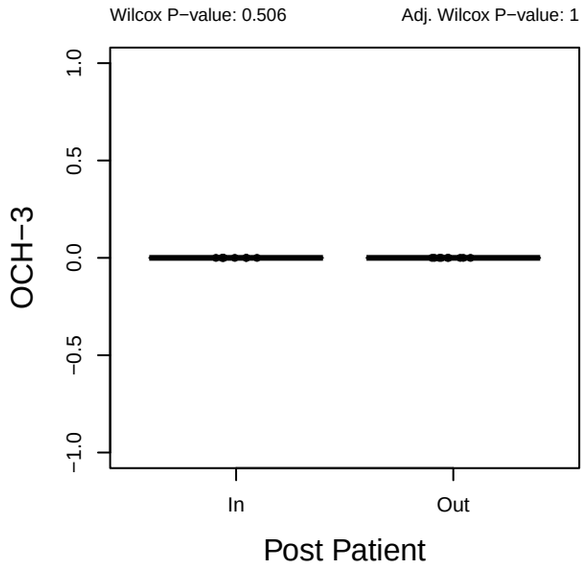

Wilcox P−value: 1
Adj. Wilcox P−value: 1
basS
0
10
20
30
40
50
60
In
Out
Post Patient

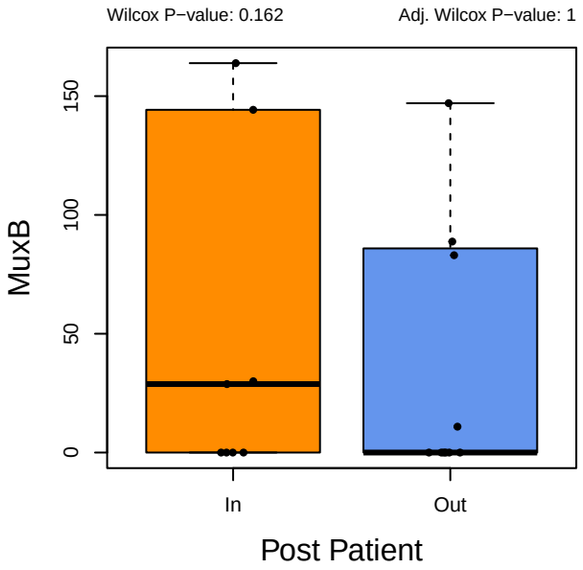

Wilcox P−value: 0.637
Adj. Wilcox P−value: 1
Kpne_KpnG
0
1000
2000
3000
4000
5000
6000
In
Out
Post Patient

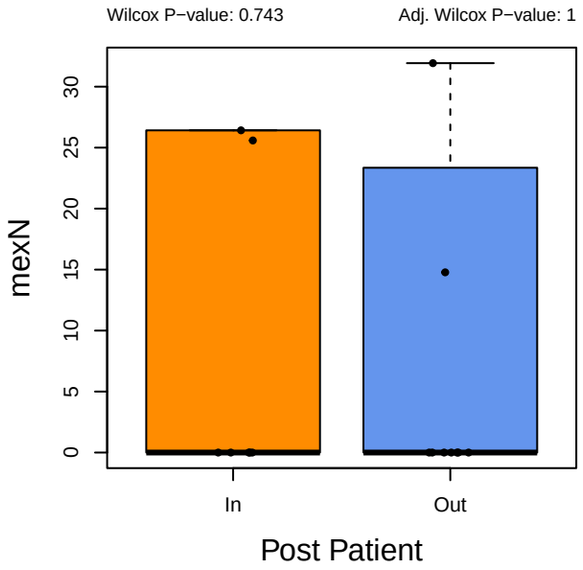

Wilcox P−value: 0.75
Adj. Wilcox P−value: 1
mdtA
0
50
100
150
In
Out
Post Patient

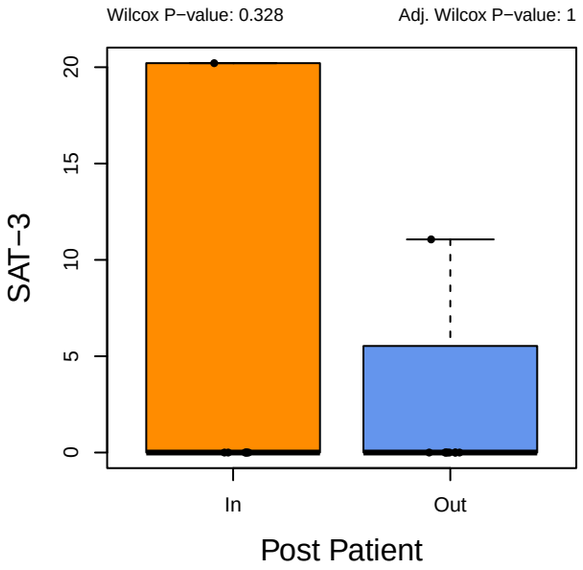

Wilcox P−value: 0.714
Adj. Wilcox P−value: 1
mphA
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

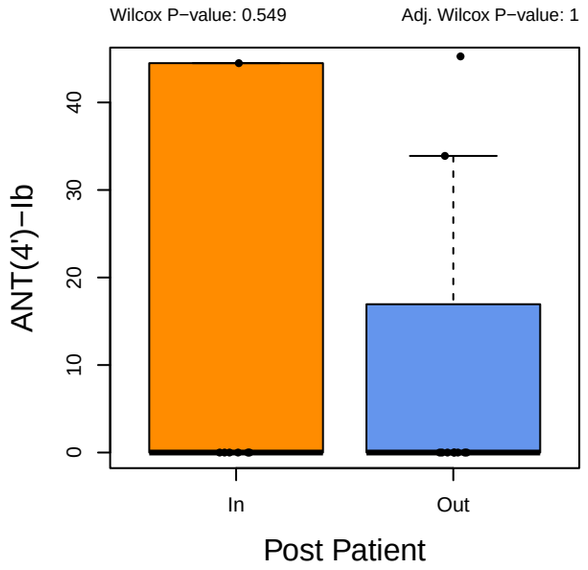

Wilcox P−value: 0.0206
Adj. Wilcox P−value: 1
SGM−4
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

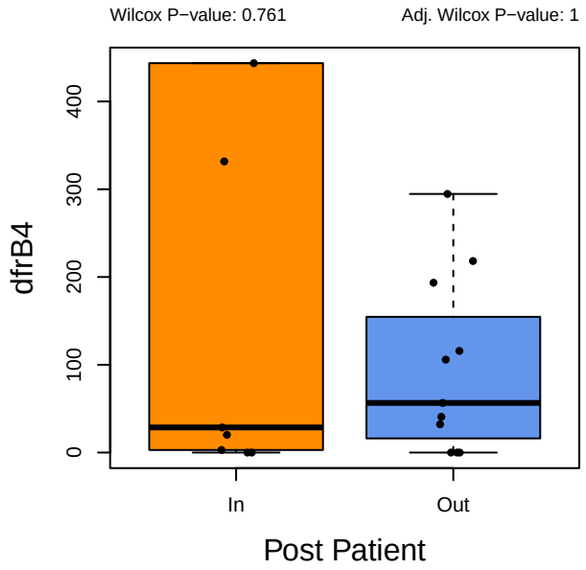

Wilcox P−value: 0.506
Adj. Wilcox P−value: 1
OCH−3
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

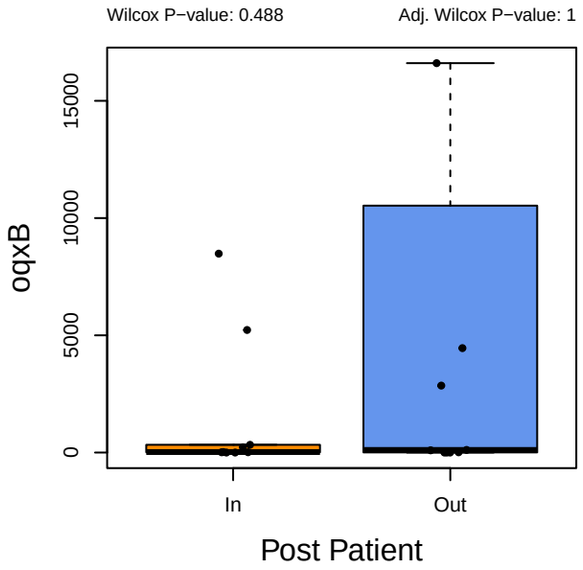

Wilcox P−value: 0.162
Adj. Wilcox P−value: 1
MuxB
0
50
100
150
In
Out
Post Patient

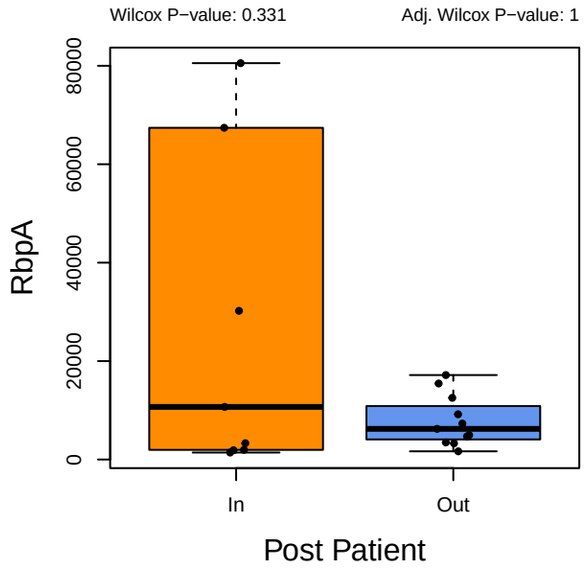

Wilcox P−value: 0.743
Adj. Wilcox P−value: 1
mexN
0
5
10
15
20
25
30
In
Out
Post Patient

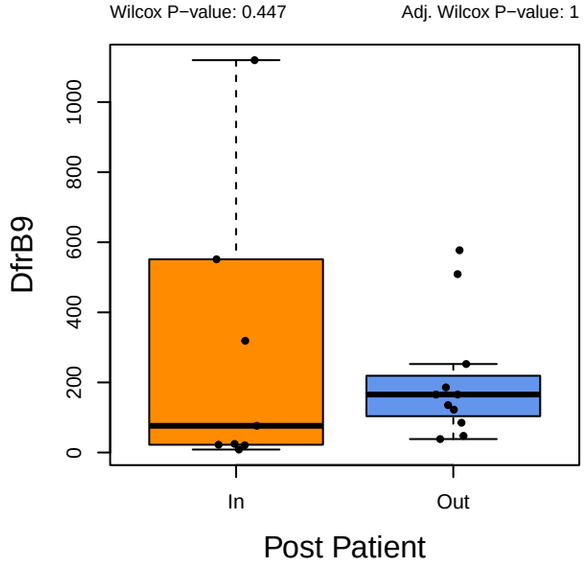

Wilcox P−value: 0.328
Adj. Wilcox P−value: 1
SAT−3
0
5
10
15
20
In
Out
Post Patient

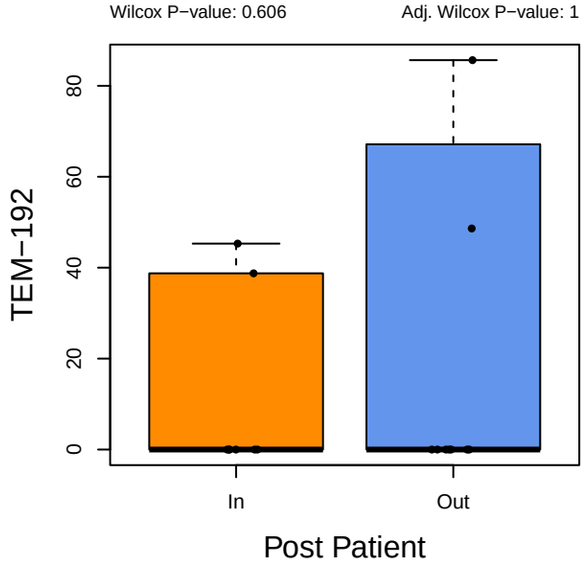

Wilcox P−value: 0.549
Adj. Wilcox P−value: 1
ANT(4')−Ib
0
10
20
30
40
In
Out
Post Patient

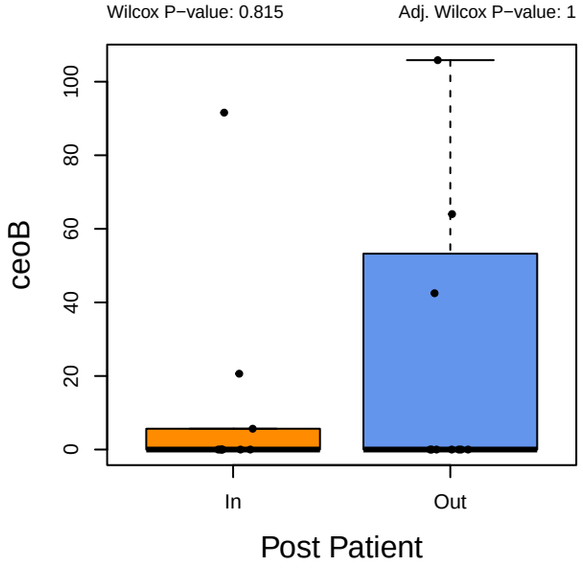

Wilcox P−value: 0.761
Adj. Wilcox P−value: 1
dfrB4
0
100
200
300
400
In
Out
Post Patient

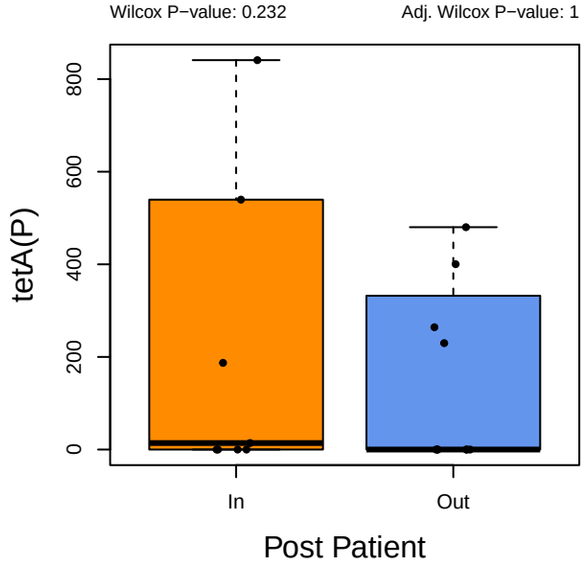

Wilcox P−value: 0.488
Adj. Wilcox P−value: 1
oqxB
0
5000
10000
15000
In
Out
Post Patient

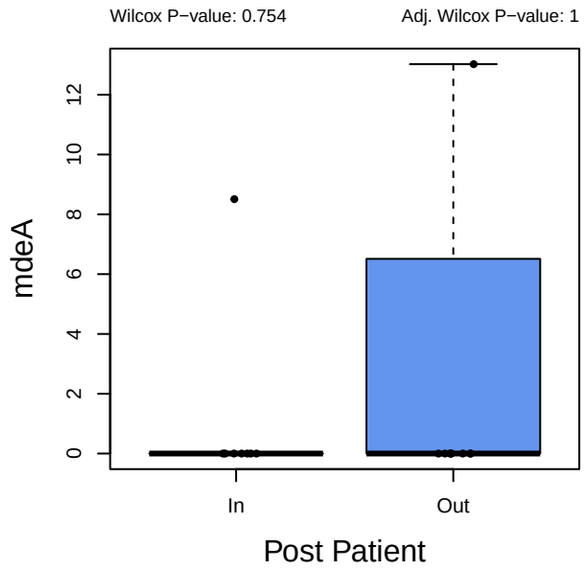

Wilcox P−value: 0.331
Adj. Wilcox P−value: 1
RbpA
0
20000
40000
60000
80000
In
Out
Post Patient

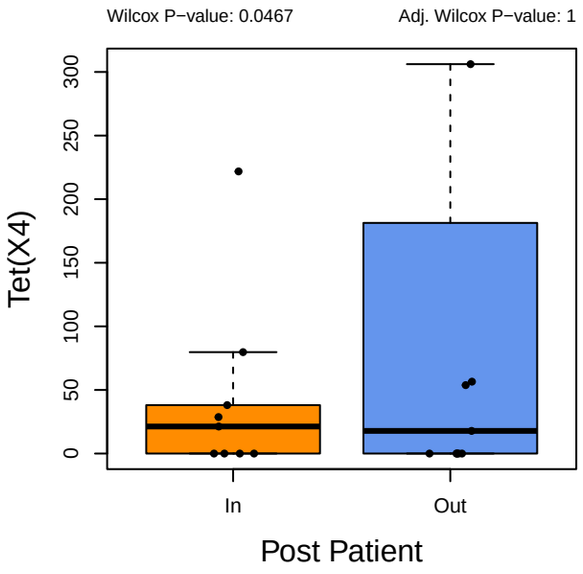

Wilcox P−value: 0.447
Adj. Wilcox P−value: 1
DfrB9
0
200
400
600
800
1000
In
Out
Post Patient

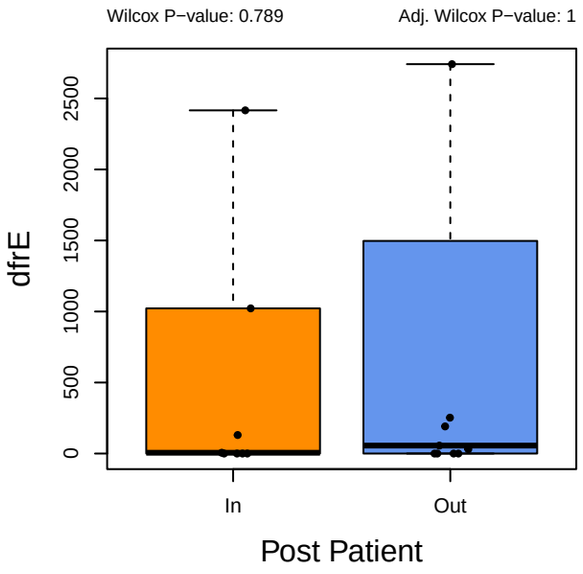

Wilcox P−value: 0.606
Adj. Wilcox P−value: 1
TEM−192
0
20
40
60
80
In
Out
Post Patient

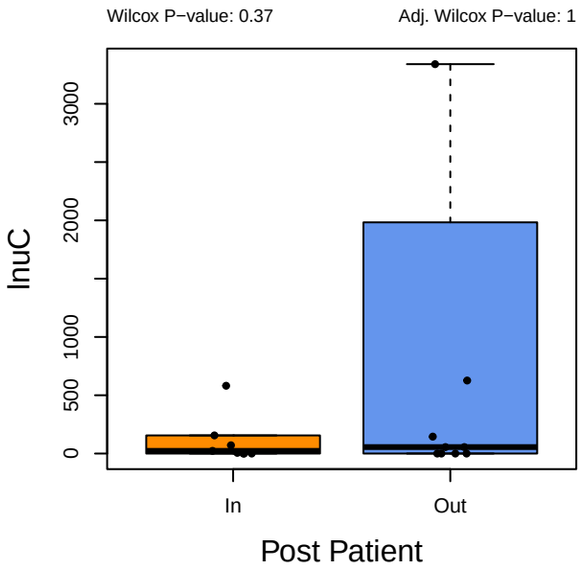

Wilcox P−value: 0.815
Adj. Wilcox P−value: 1
ceoB
0
20
40
60
80
100
In
Out
Post Patient

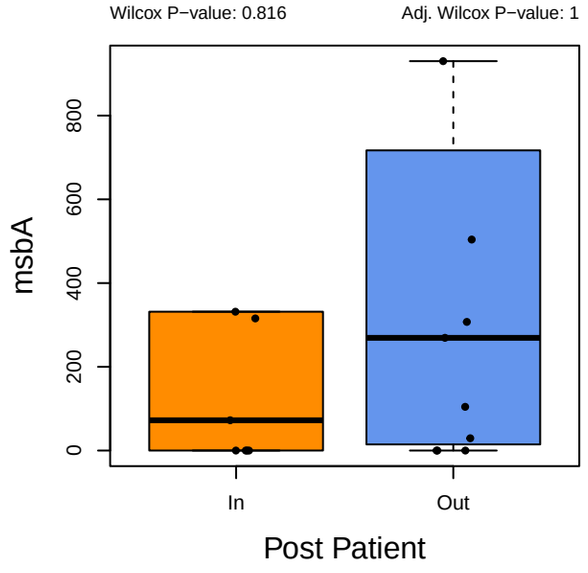

Wilcox P−value: 0.232
Adj. Wilcox P−value: 1
tetA(P)
0
200
400
600
800
In
Out
Post Patient

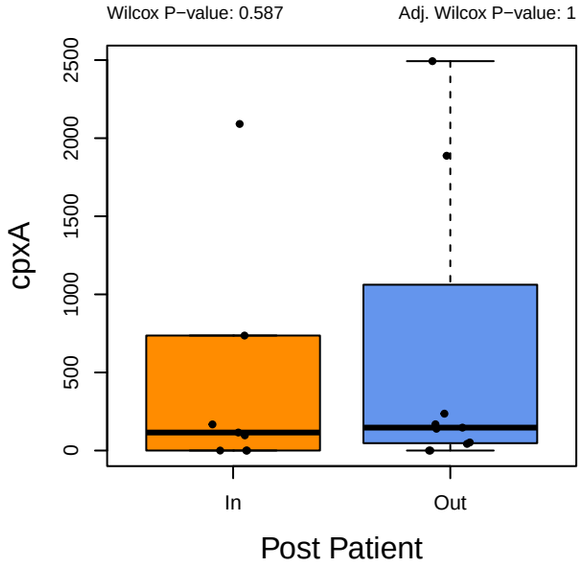

Wilcox P−value: 0.754
Adj. Wilcox P−value: 1
mdeA
0
2
4
6
8
10
12
In
Out
Post Patient

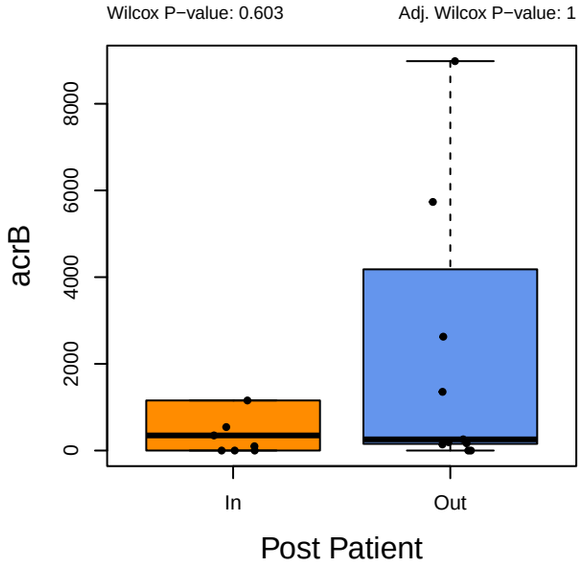

Wilcox P−value: 0.0467
Adj. Wilcox P−value: 1
Tet(X4)
0
50
100
150
200
250
300
In
Out
Post Patient

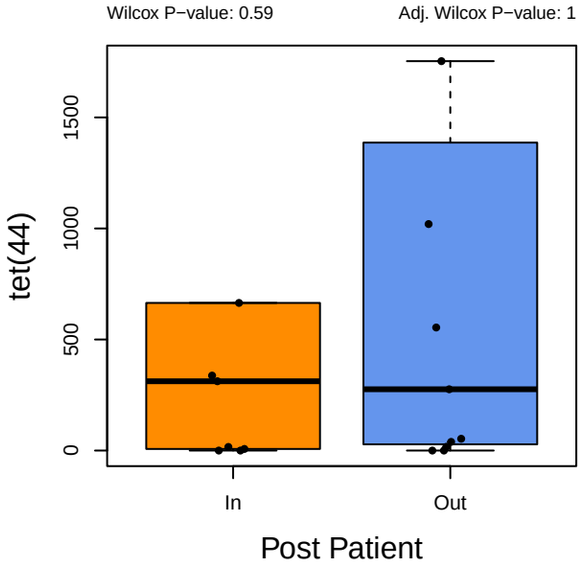

Wilcox P−value: 0.789
Adj. Wilcox P−value: 1
dfrE
0
500
1000
1500
2000
2500
In
Out
Post Patient

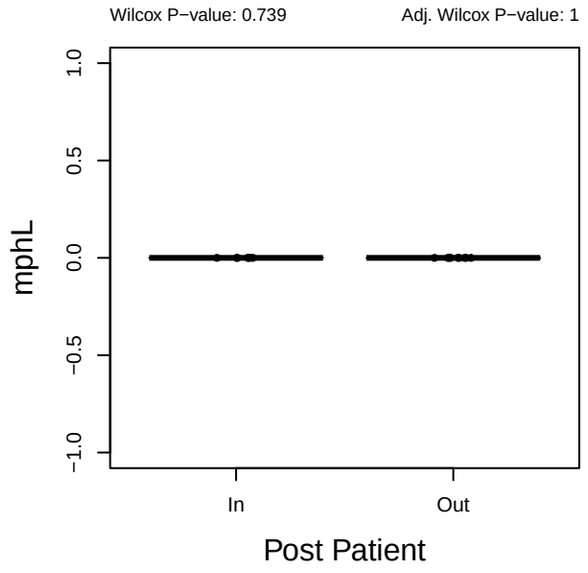

Wilcox P−value: 0.37
Adj. Wilcox P−value: 1
lnuC
0
500
1000
2000
3000
In
Out
Post Patient

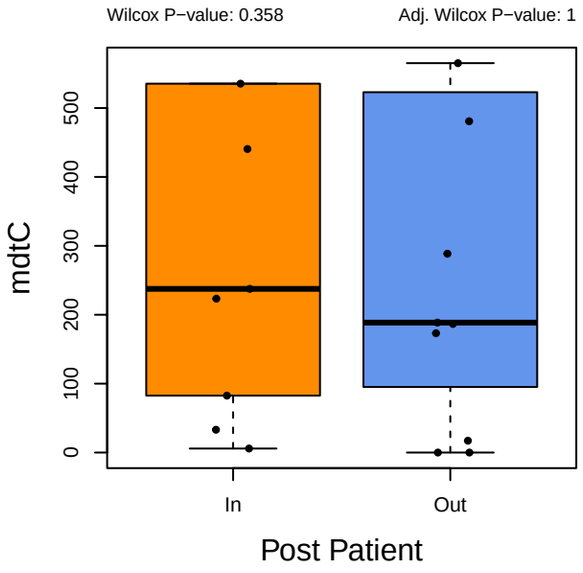

Wilcox P−value: 0.816
Adj. Wilcox P−value: 1
msbA
0
200
400
600
800
In
Out
Post Patient

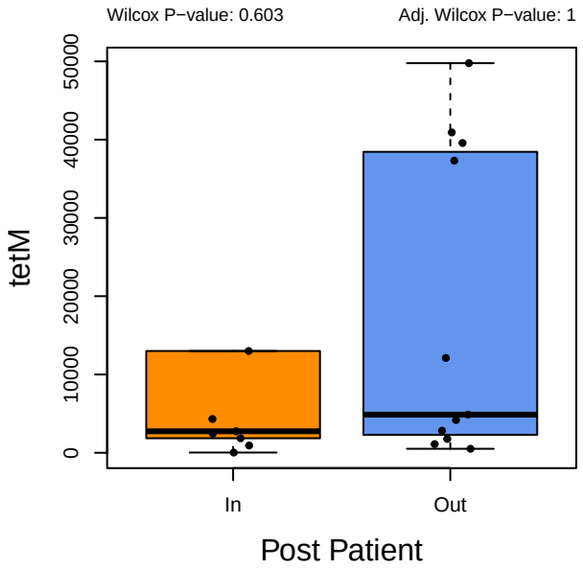

Wilcox P−value: 0.587
Adj. Wilcox P−value: 1
cpxA
0
500
1000
1500
2000
2500
In
Out
Post Patient

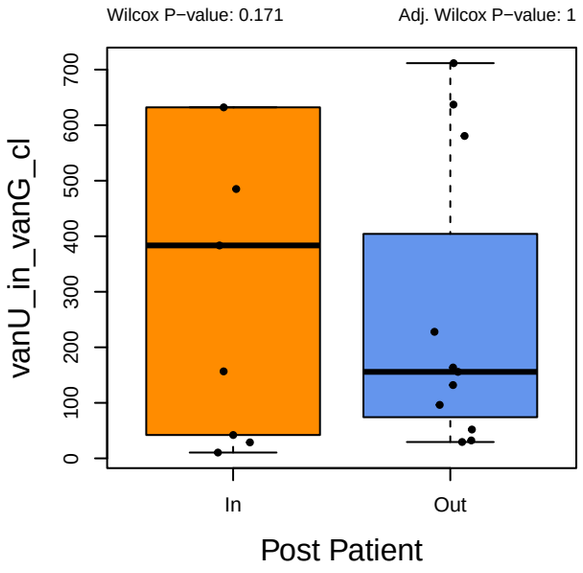

Wilcox P−value: 0.603
Adj. Wilcox P−value: 1
acrB
0
2000
4000
6000
8000
In
Out
Post Patient

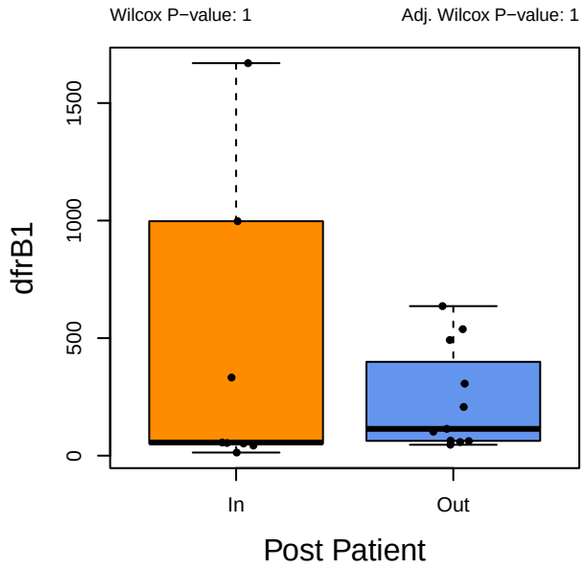

Wilcox P−value: 0.59
Adj. Wilcox P−value: 1
tet(44)
0
500
1000
1500
In
Out
Post Patient

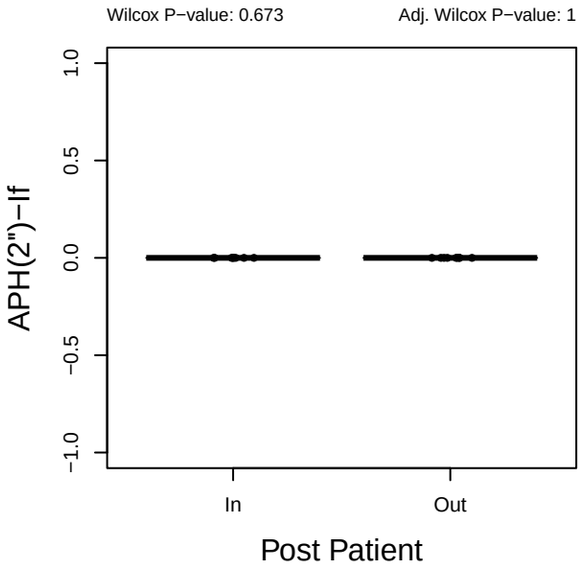

Wilcox P−value: 0.739
Adj. Wilcox P−value: 1
mphL
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

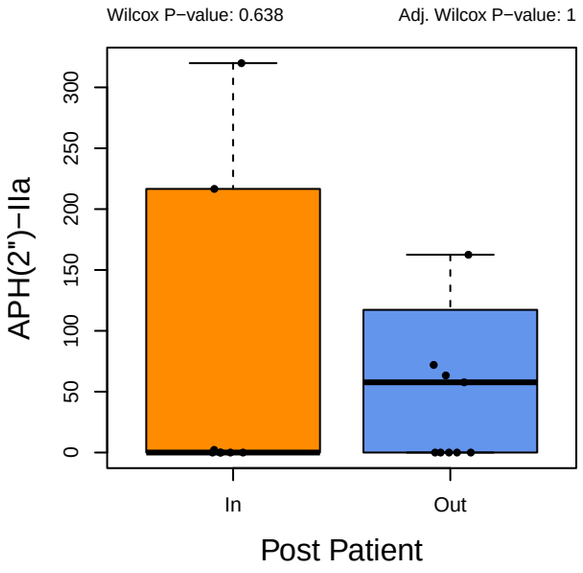

Wilcox P−value: 0.358
Adj. Wilcox P−value: 1
mdtC
500
400
300
200
100
0
In
Out
Post Patient

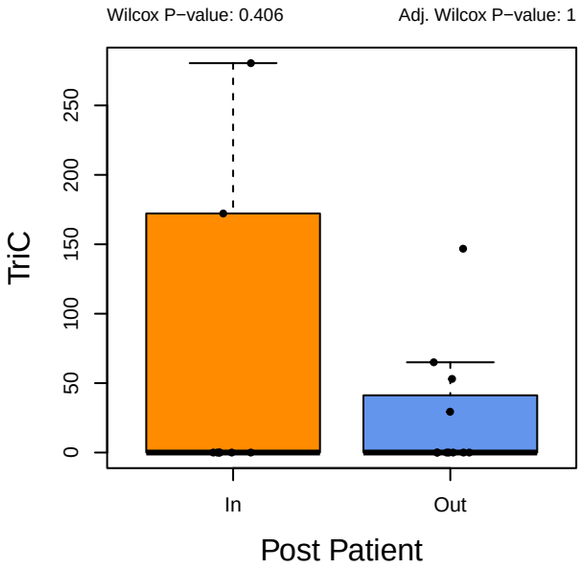

Wilcox P−value: 0.603
Adj. Wilcox P−value: 1
tetM
50000
40000
30000
20000
10000
0
In
Out
Post Patient

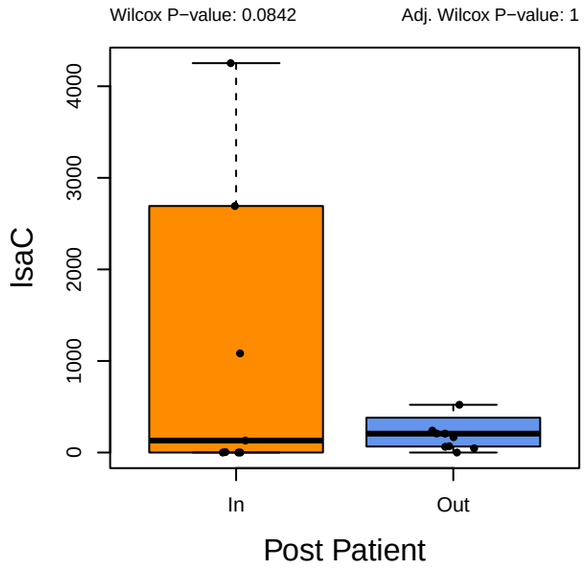

Wilcox P−value: 0.171
Adj. Wilcox P−value: 1
vanU_in_vanG_cl
700
600
500
400
300
200
100
0
In
Out
Post Patient

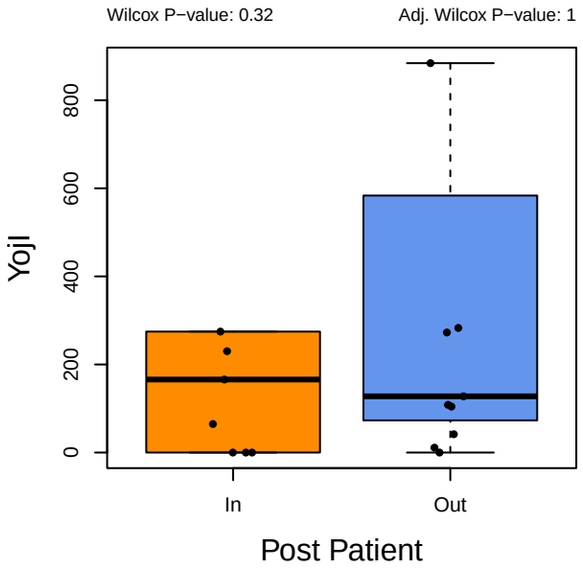

Wilcox P−value: 1
Adj. Wilcox P−value: 1
dfrB1
1500
1000
500
0
In
Out
Post Patient

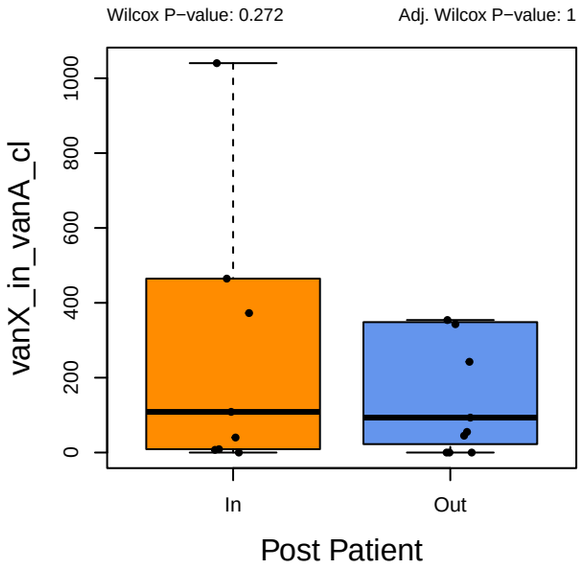

Wilcox P−value: 0.673
Adj. Wilcox P−value: 1
APH(2")−If
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient

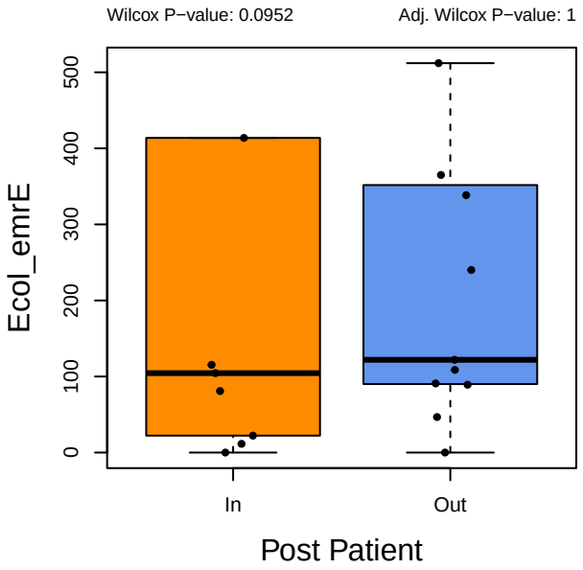

Wilcox P−value: 0.638
Adj. Wilcox P−value: 1
APH(2")−IIa
300
250
200
150
100
50
0
In
Out
Post Patient

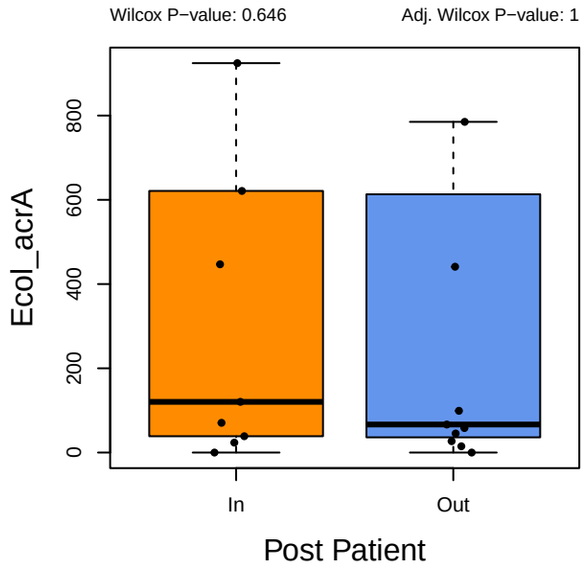

Wilcox P−value: 0.406
Adj. Wilcox P−value: 1
TriC
250
200
150
100
50
0
In
Out
Post Patient

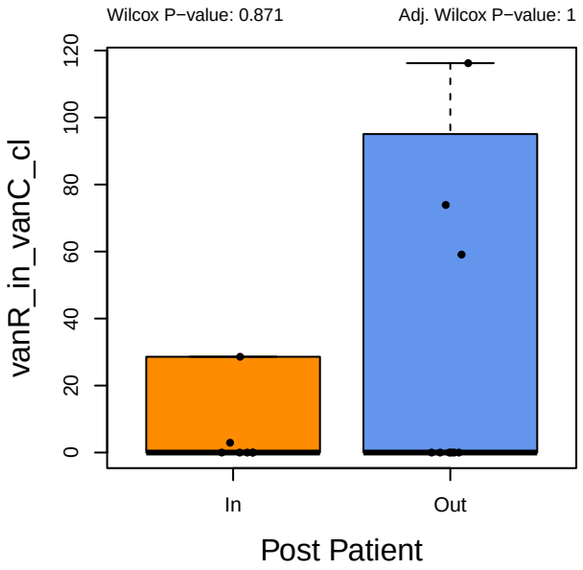

Wilcox P−value: 0.0842
Adj. Wilcox P−value: 1
IsaC
0
1000
2000
3000
4000
In
Out
Post Patient

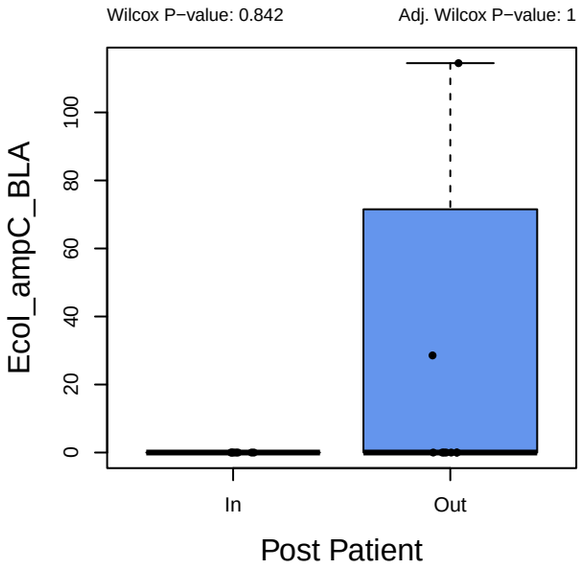

Wilcox P−value: 0.32
Adj. Wilcox P−value: 1
YojI
0
200
400
600
800
In
Out
Post Patient

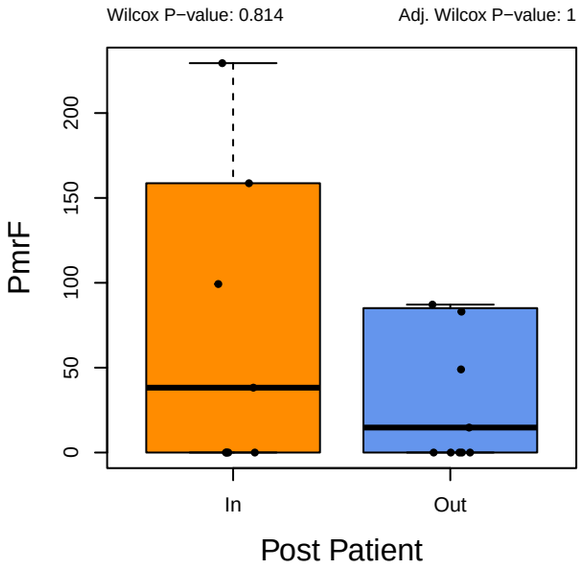

Wilcox P−value: 0.272
Adj. Wilcox P−value: 1
vanX_in_vanA_cl
0
200
400
600
800
1000
In
Out
Post Patient

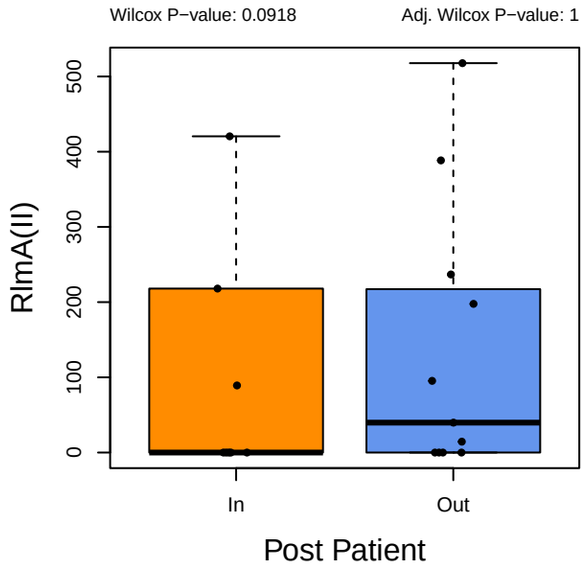

Wilcox P−value: 0.0952
Adj. Wilcox P−value: 1
Ecol_emrE
0
100
200
300
400
500
In
Out
Post Patient

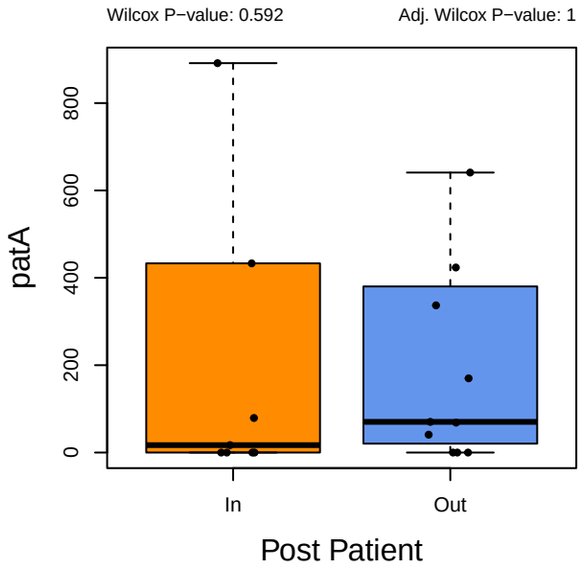

Wilcox P−value: 0.646
Adj. Wilcox P−value: 1
Ecol_acrA
0
200
400
600
800
In
Out
Post Patient

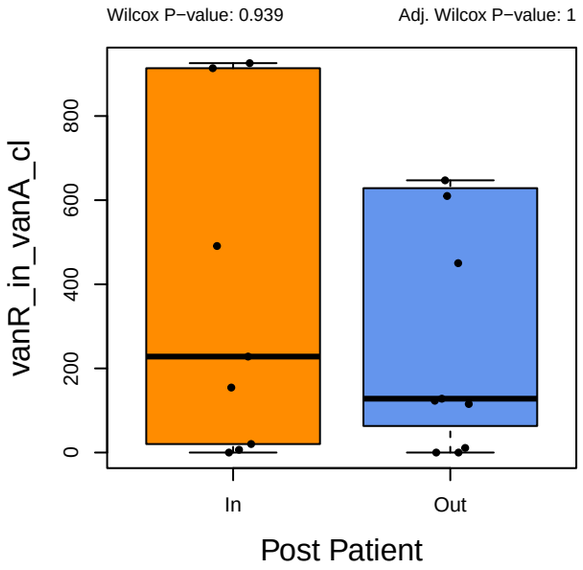

Wilcox P−value: 0.871
Adj. Wilcox P−value: 1
vanR_in_vanC_cl
0
20
40
60
80
100
120
In
Out
Post Patient

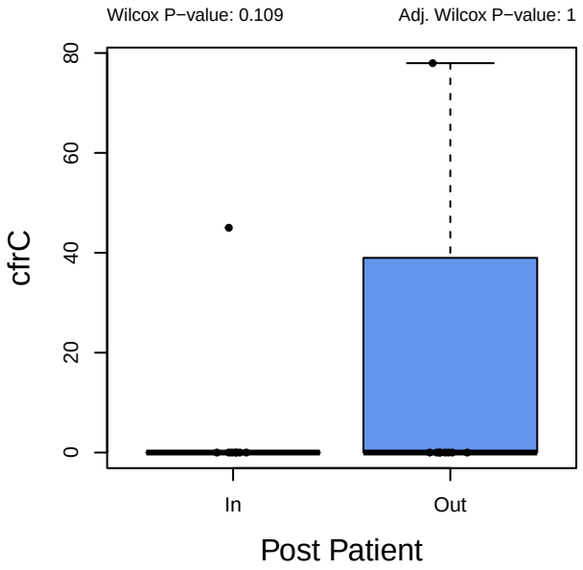

Wilcox P−value: 0.842
Adj. Wilcox P−value: 1
Ecol_ampC_BLA
0
20
40
60
80
100
In
Out
Post Patient

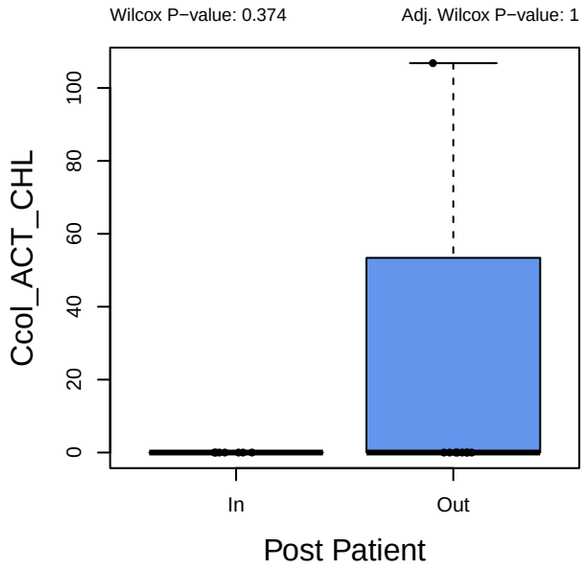

Wilcox P−value: 0.814
Adj. Wilcox P−value: 1
PmrF
0
50
100
150
200
In
Out
Post Patient

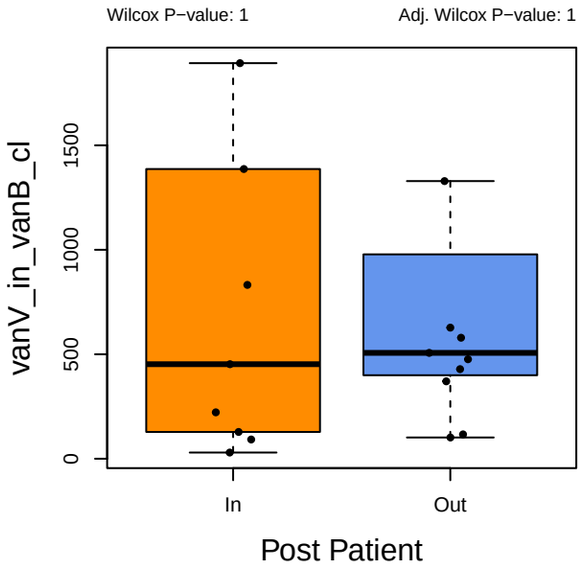

Wilcox P−value: 0.0918
Adj. Wilcox P−value: 1
RlmA(II)
0
100
200
300
400
500
In
Out
Post Patient

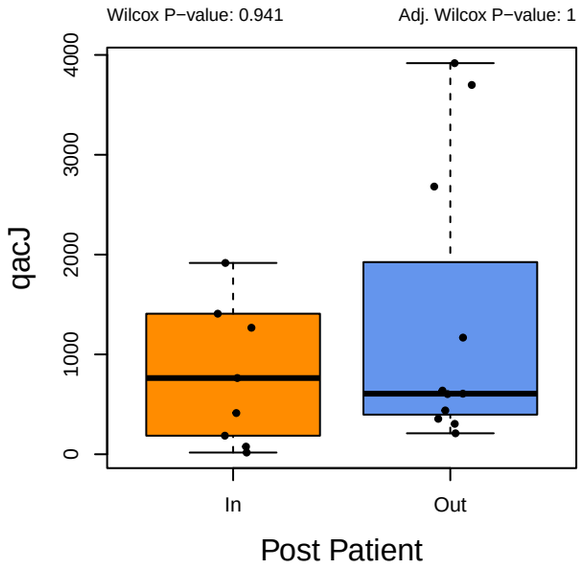

Wilcox P−value: 0.592
Adj. Wilcox P−value: 1
patA
0
200
400
600
800
In
Out
Post Patient

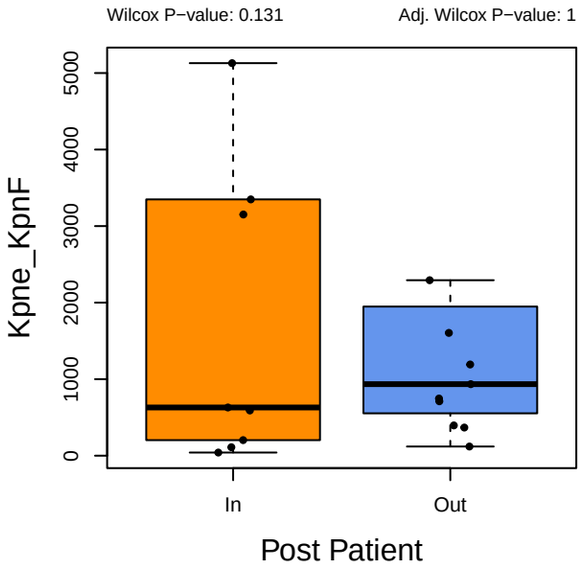

Wilcox P−value: 0.939
Adj. Wilcox P−value: 1
vanR_in_vanA_cl
0
200
400
600
800
In
Out
Post Patient

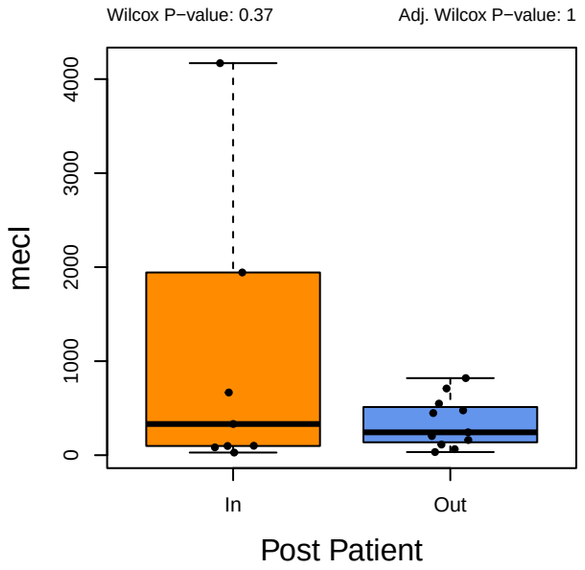

Wilcox P−value: 0.109
Adj. Wilcox P−value: 1
cfrC
0
20
40
60
80
In
Out
Post Patient

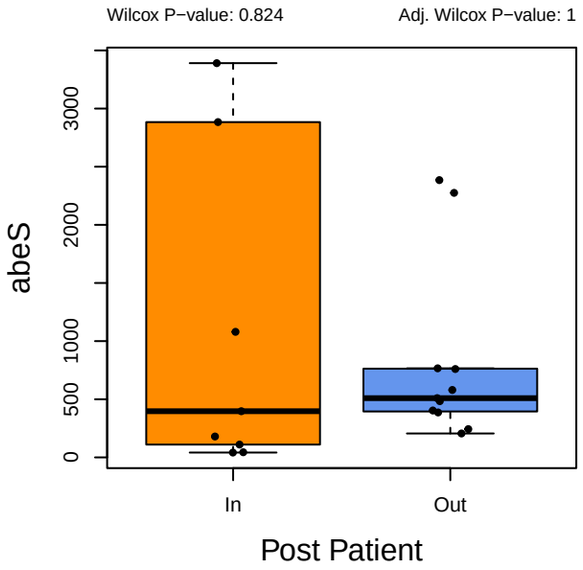

Wilcox P−value: 0.374
Adj. Wilcox P−value: 1
Ccol_ACT_CHL
0
20
40
60
80
100
In
Out
Post Patient

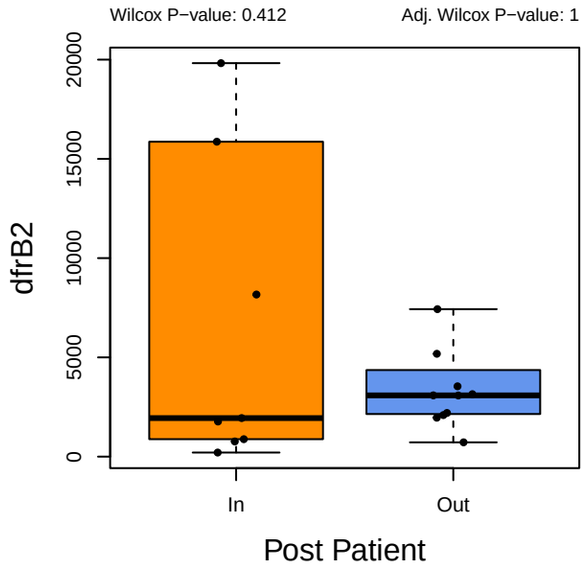

Wilcox P−value: 1
Adj. Wilcox P−value: 1
vanV_in_vanB_cl
0
500
1000
1500
In
Out
Post Patient

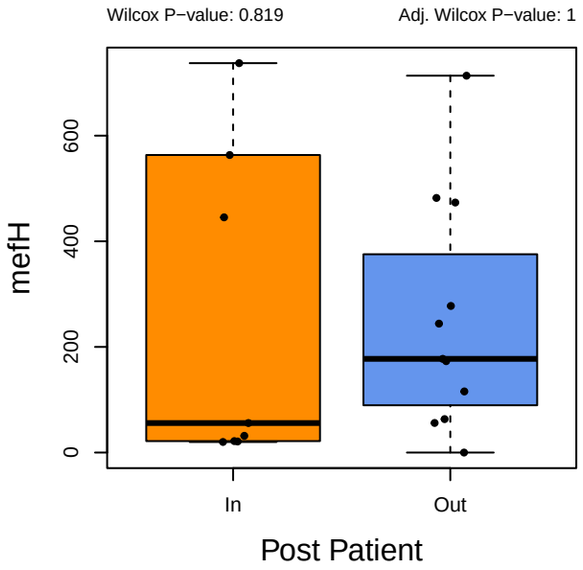

Wilcox P−value: 0.941
Adj. Wilcox P−value: 1
qacJ
0
1000
2000
3000
4000
In
Out
Post Patient

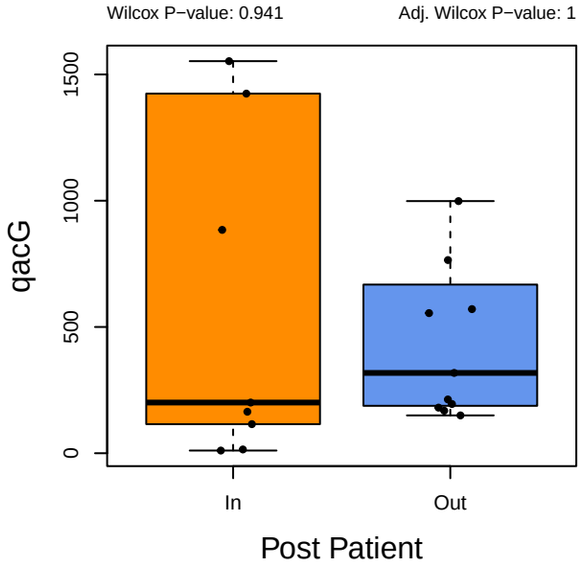

Wilcox P−value: 0.131
Adj. Wilcox P−value: 1
Kpne_KpnF
0
1000
2000
3000
4000
5000
In
Out
Post Patient

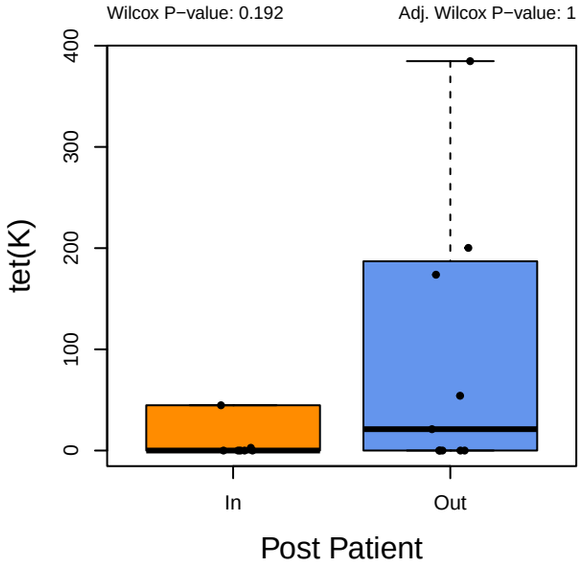

Wilcox P−value: 0.37
Adj. Wilcox P−value: 1
mecI
0
1000
2000
3000
4000
In
Out
Post Patient

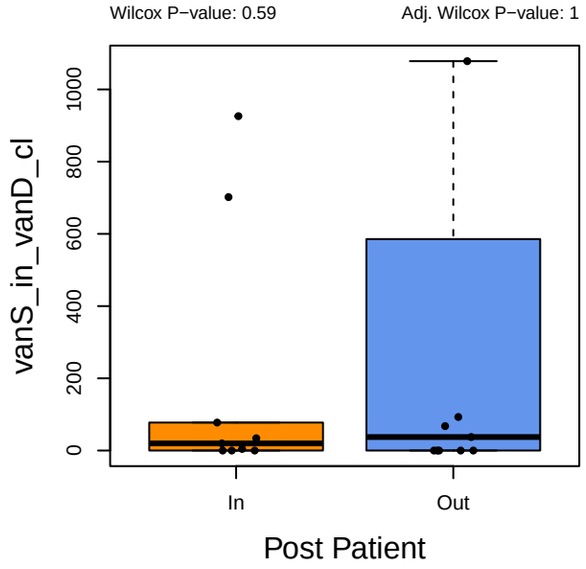

Wilcox P−value: 0.824
Adj. Wilcox P−value: 1
abeS
0
500
1000
2000
3000
In
Out
Post Patient

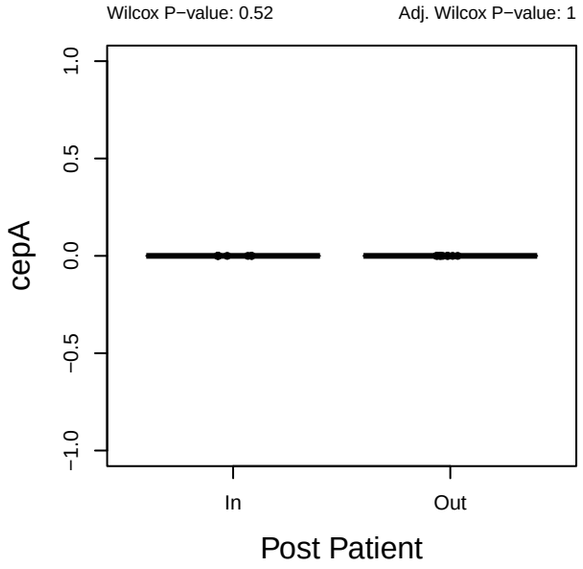

Wilcox P−value: 0.412
Adj. Wilcox P−value: 1
dfrB2
0
5000
10000
15000
20000
In
Out
Post Patient

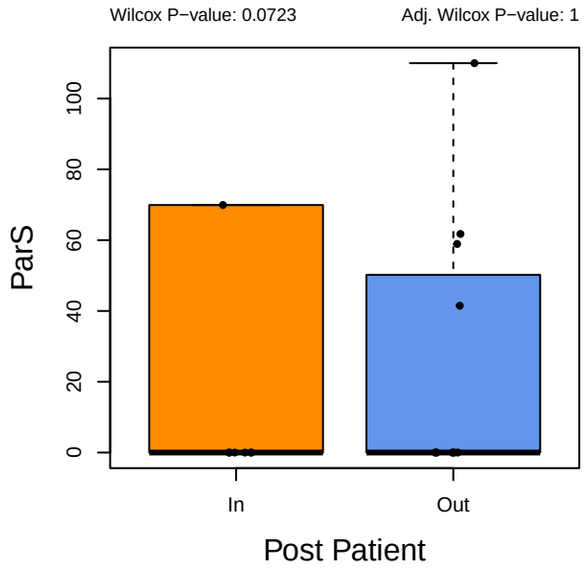

Wilcox P−value: 0.819
Adj. Wilcox P−value: 1
mefH
0
200
400
600
In
Out
Post Patient

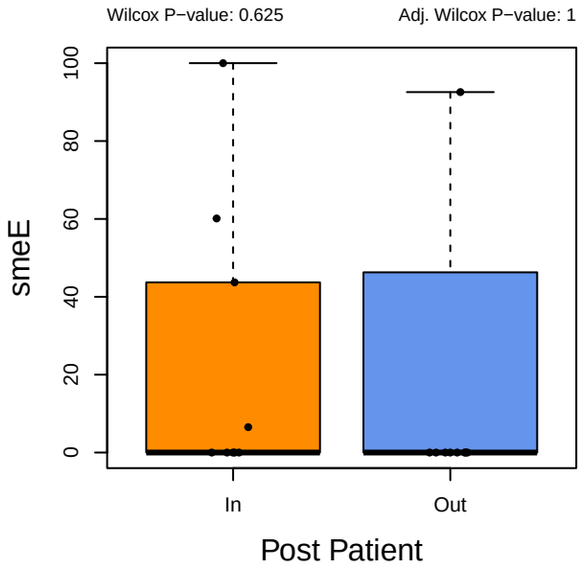

Wilcox P−value: 0.941
Adj. Wilcox P−value: 1
qacG
0
500
1000
1500
In
Out
Post Patient

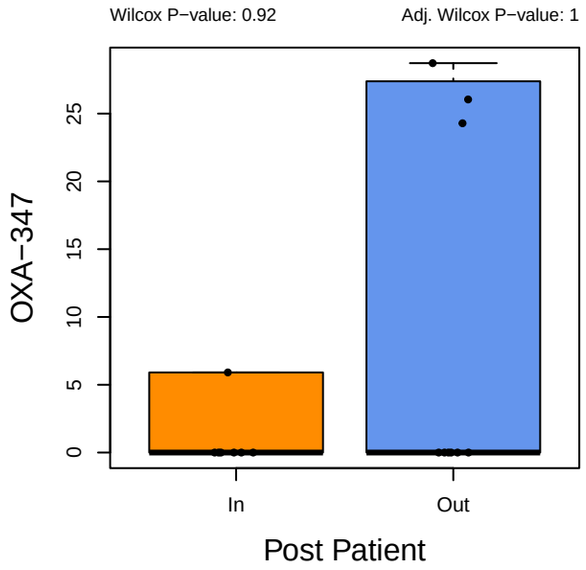

Wilcox P−value: 0.192
Adj. Wilcox P−value: 1
tet(K)
0
100
200
300
400
In
Out
Post Patient

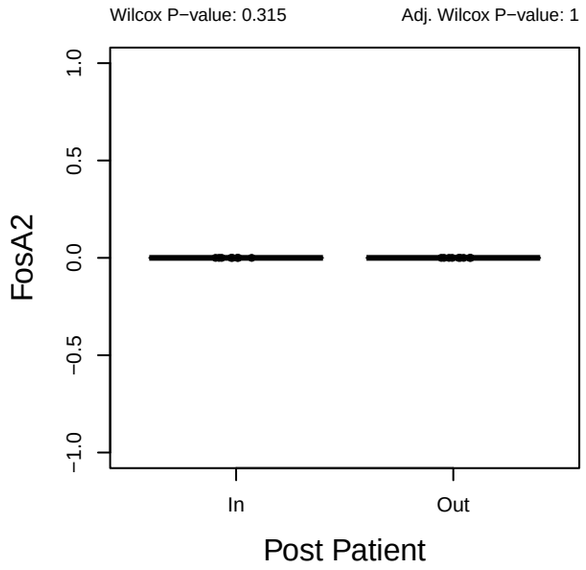

Wilcox P−value: 0.59
Adj. Wilcox P−value: 1
vanS_in_vanD_cl
0
200
400
600
800
1000
In
Out
Post Patient

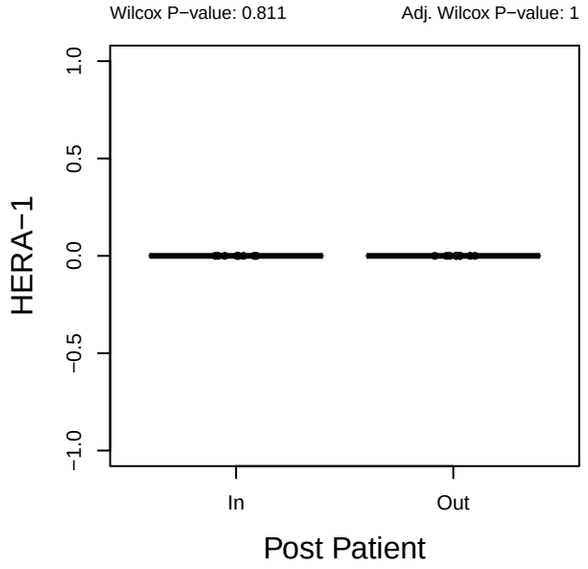

Wilcox P−value: 0.52
Adj. Wilcox P−value: 1
cepA
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

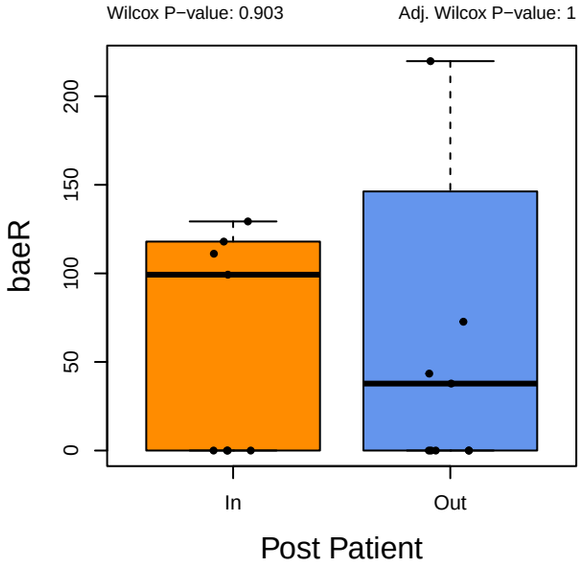

Wilcox P−value: 0.0723
Adj. Wilcox P−value: 1
ParS
0
20
40
60
80
100
In
Out
Post Patient

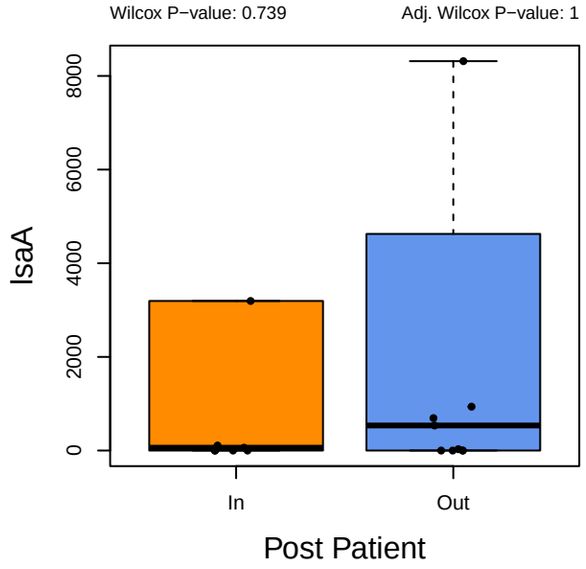

Wilcox P−value: 0.625
Adj. Wilcox P−value: 1
smeE
0
20
40
60
80
100
In
Out
Post Patient

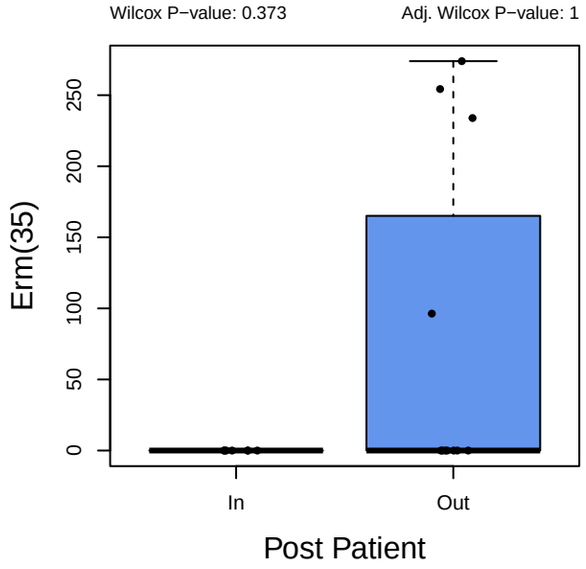

Wilcox P−value: 0.92
Adj. Wilcox P−value: 1
OXA−347
0
5
10
15
20
25
In
Out
Post Patient

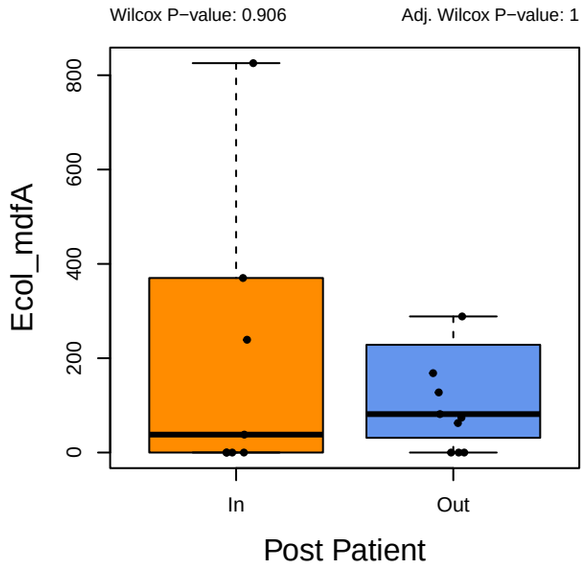

Wilcox P−value: 0.315
Adj. Wilcox P−value: 1
FosA2
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

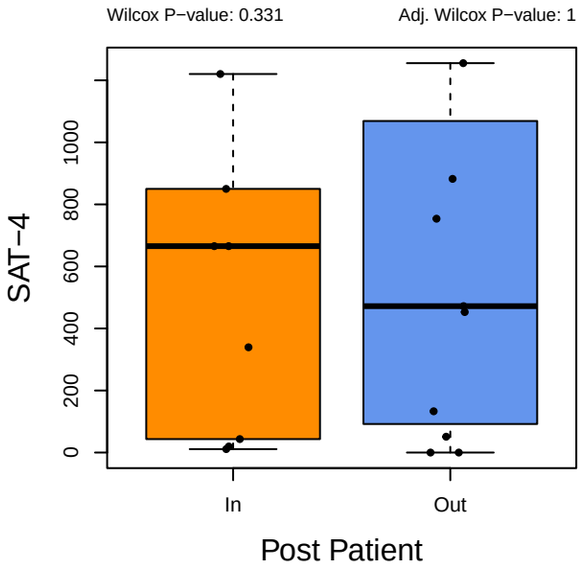

Wilcox P−value: 0.811
Adj. Wilcox P−value: 1
HERA−1
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

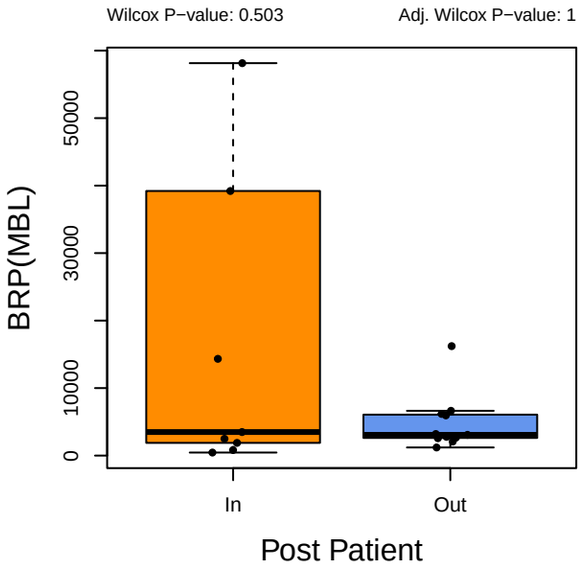

Wilcox P−value: 0.903
Adj. Wilcox P−value: 1
baeR
0
50
100
150
200
In
Out
Post Patient

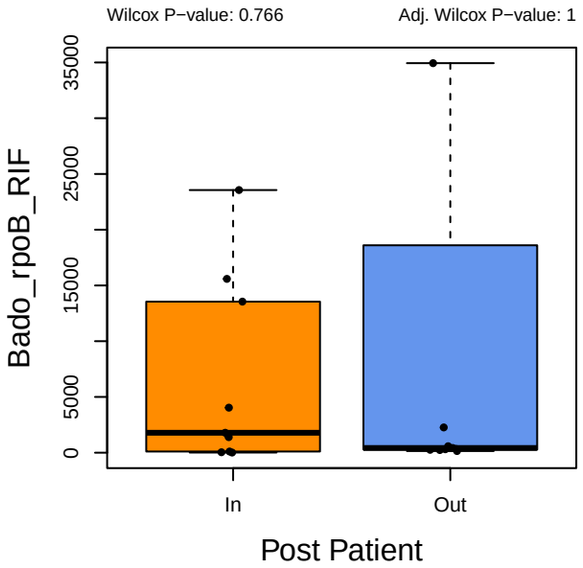

Wilcox P−value: 0.739
Adj. Wilcox P−value: 1
IsaA
0
2000
4000
6000
8000
In
Out
Post Patient

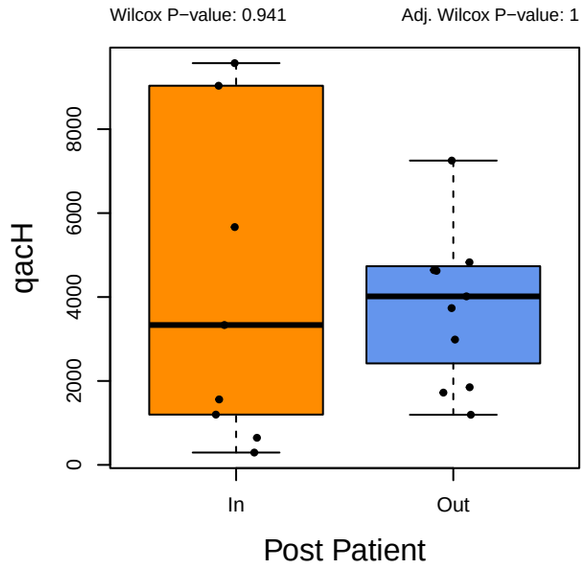

Wilcox P−value: 0.373
Adj. Wilcox P−value: 1
Erm(35)
0
50
100
150
200
250
In
Out
Post Patient

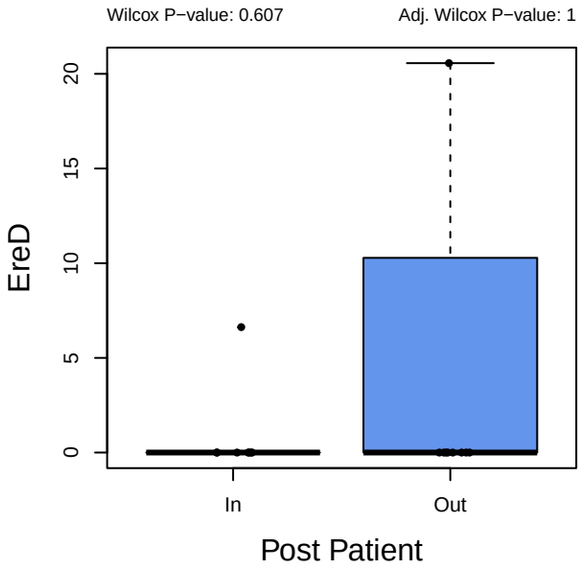

Wilcox P−value: 0.906
Adj. Wilcox P−value: 1
Ecol_mdfA
0
200
400
600
800
In
Out
Post Patient

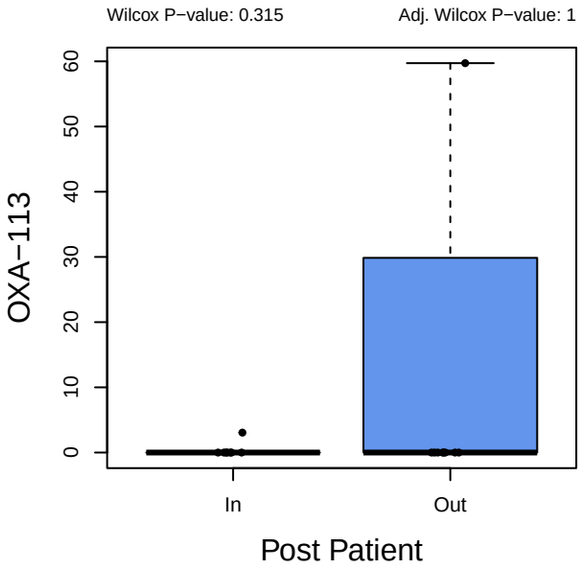

Wilcox P−value: 0.331
Adj. Wilcox P−value: 1
SAT−4
0
200
400
600
800
1000
In
Out
Post Patient

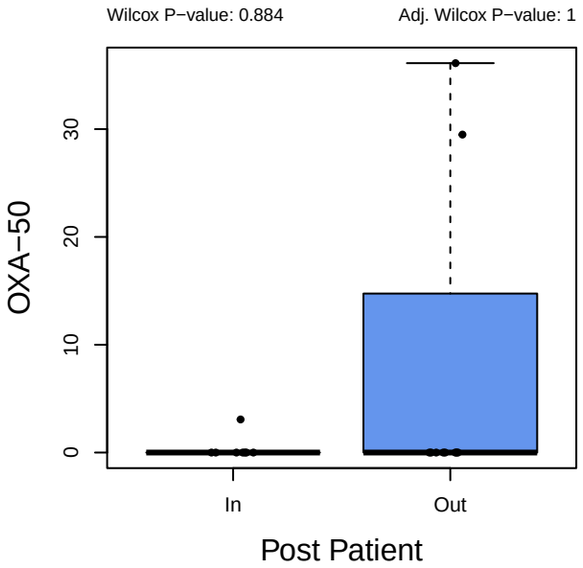

Wilcox P−value: 0.503
Adj. Wilcox P−value: 1
BRP(MBL)
0
10000
30000
50000
In
Out
Post Patient

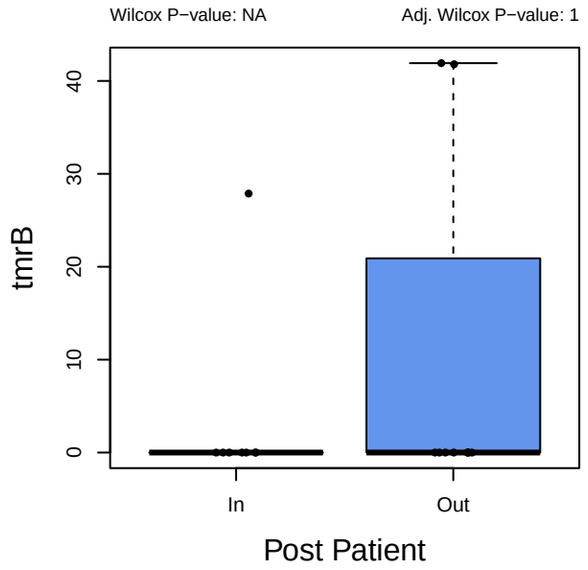

Wilcox P−value: 0.766
Adj. Wilcox P−value: 1
Bado_rpoB_RIF
0
5000
15000
25000
35000
In
Out
Post Patient

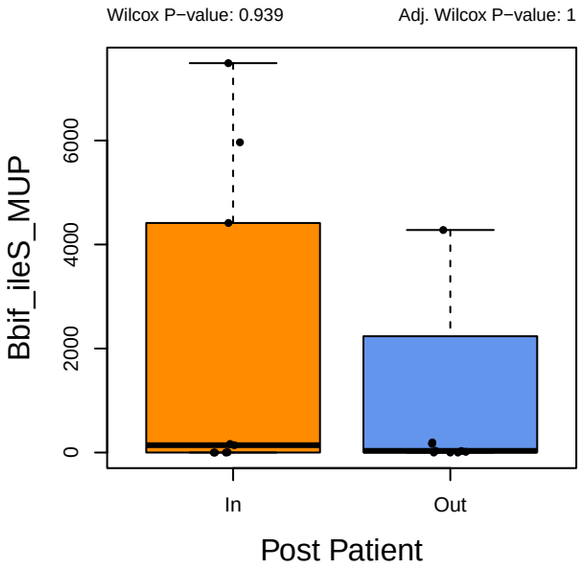

Wilcox P−value: 0.941
Adj. Wilcox P−value: 1
qacH
0
2000
4000
6000
8000
In
Out
Post Patient

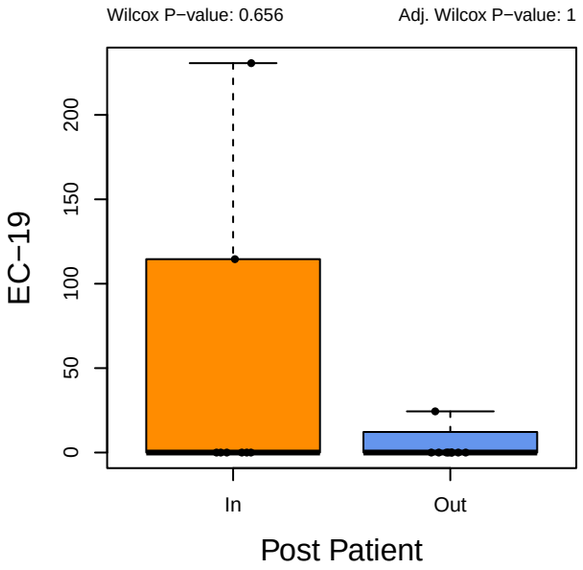

Wilcox P−value: 0.607
Adj. Wilcox P−value: 1
EreD
0
5
10
15
20
In
Out
Post Patient

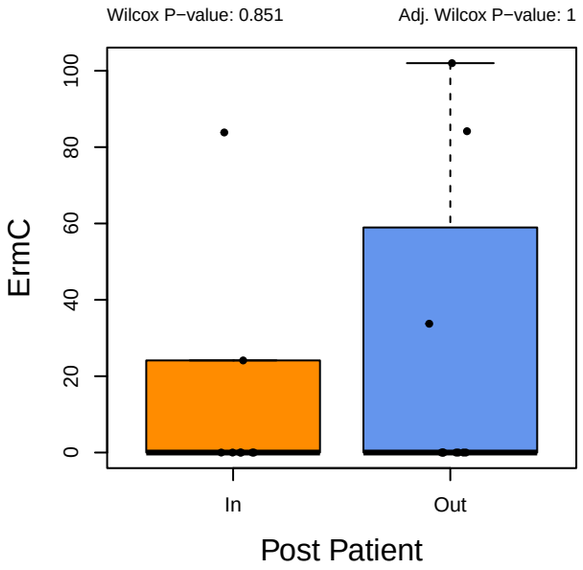

Wilcox P−value: 0.315
Adj. Wilcox P−value: 1
OXA−113
0
10
20
30
40
50
60
In
Out
Post Patient

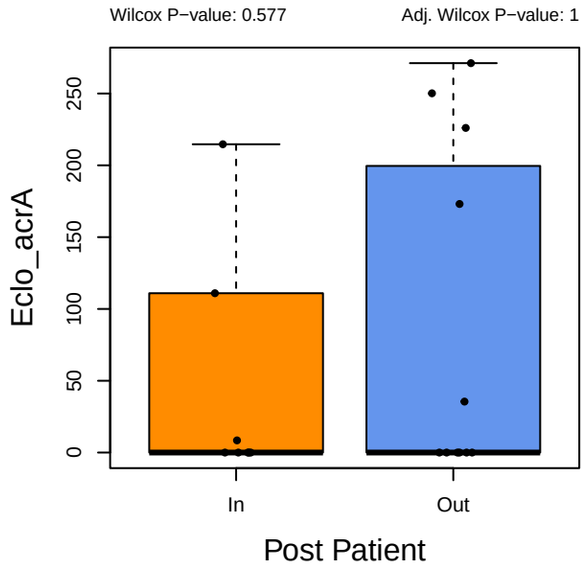

Wilcox P−value: 0.884
Adj. Wilcox P−value: 1
OXA−50
0
10
20
30
In
Out
Post Patient

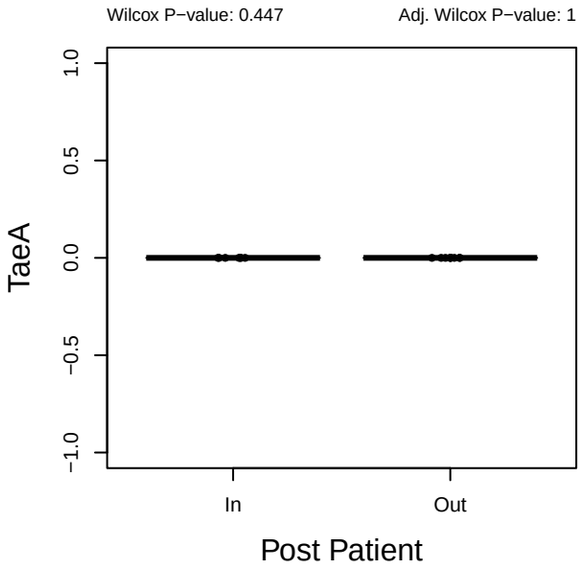

Wilcox P−value: NA
Adj. Wilcox P−value: 1
tmrB
0
10
20
30
40
In
Out
Post Patient

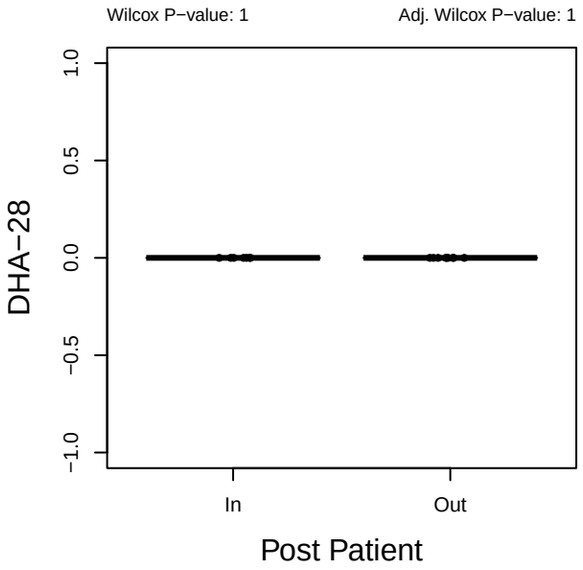

Wilcox P−value: 0.939
Adj. Wilcox P−value: 1
Bbif_ileS_MUP
0
2000
4000
6000
In
Out
Post Patient

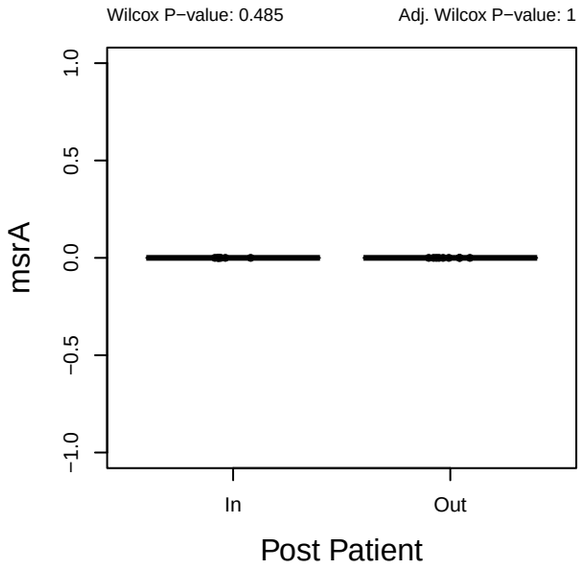

Wilcox P−value: 0.656
Adj. Wilcox P−value: 1
EC−19
0
50
100
150
200
In
Out
Post Patient

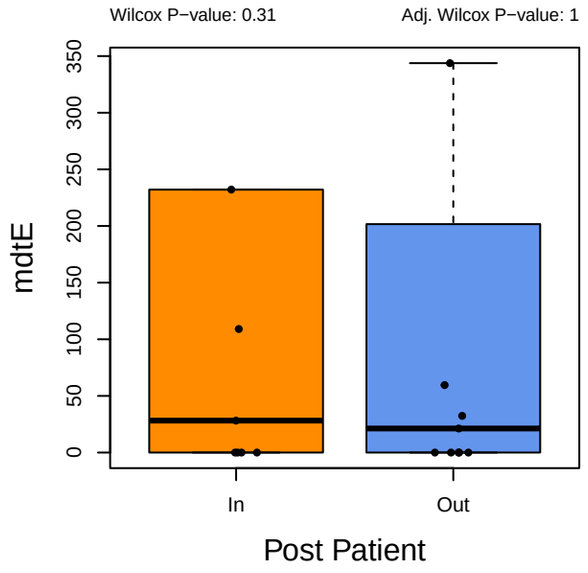

Wilcox P−value: 0.851
Adj. Wilcox P−value: 1
ErmC
0
20
40
60
80
100
In
Out
Post Patient

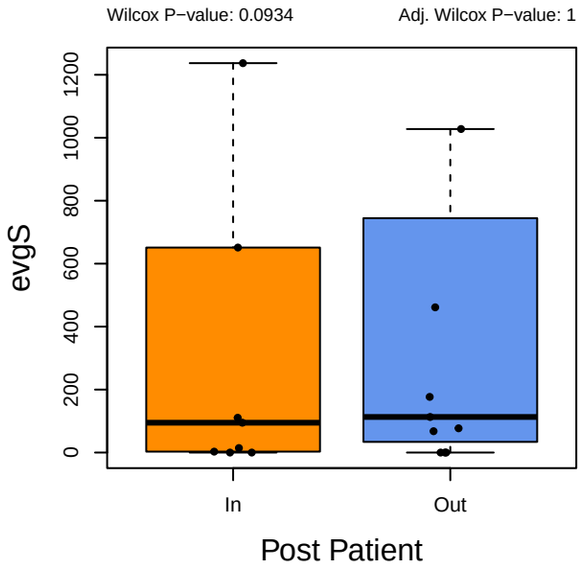

Wilcox P−value: 0.577
Adj. Wilcox P−value: 1
Eclo_acrA
0
50
100
150
200
250
In
Out
Post Patient

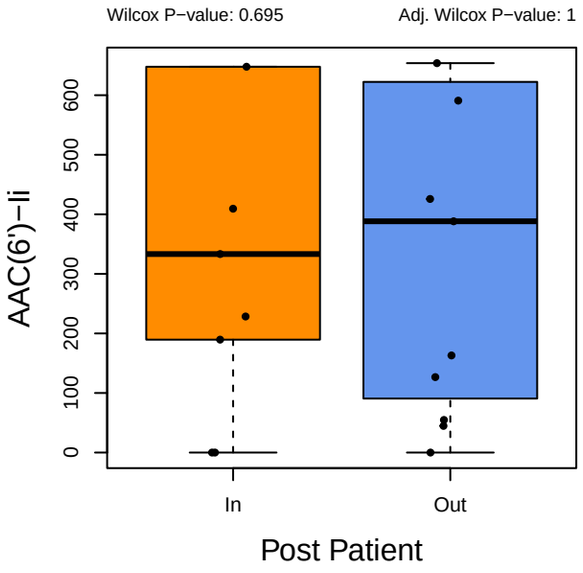

Wilcox P−value: 0.447
Adj. Wilcox P−value: 1
TaeA
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

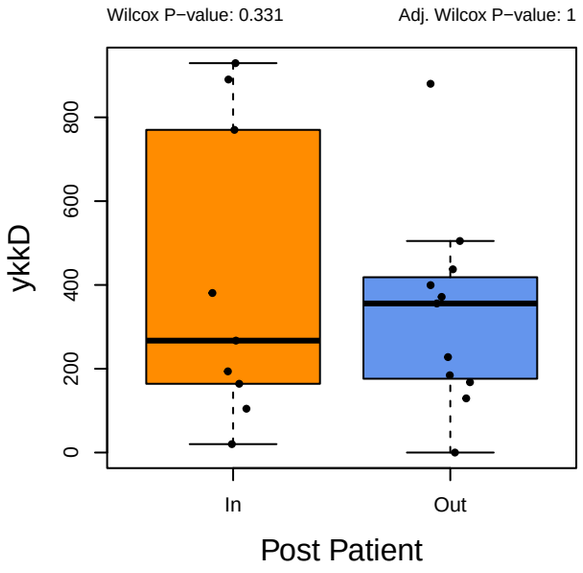

Wilcox P−value: 1
Adj. Wilcox P−value: 1
DHA−28
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

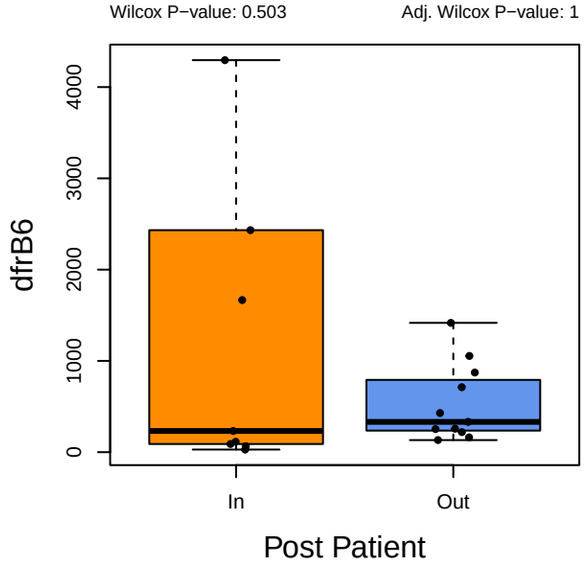

Wilcox P−value: 0.485
Adj. Wilcox P−value: 1
msrA
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

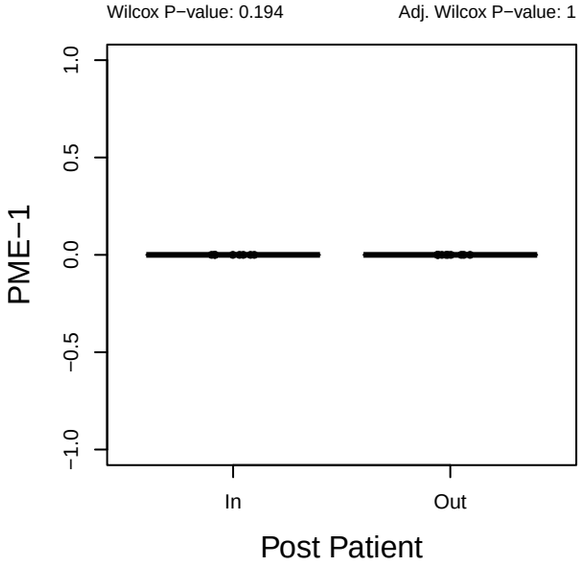

Wilcox P−value: 0.31
Adj. Wilcox P−value: 1
mdtE
0
50
100
150
200
250
300
350
In
Out
Post Patient

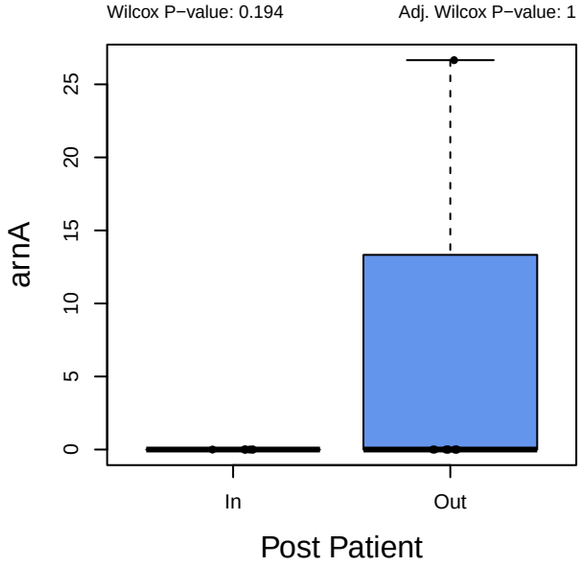

Wilcox P−value: 0.0934
Adj. Wilcox P−value: 1
evgS
0
200
400
600
800
1000
1200
In
Out
Post Patient

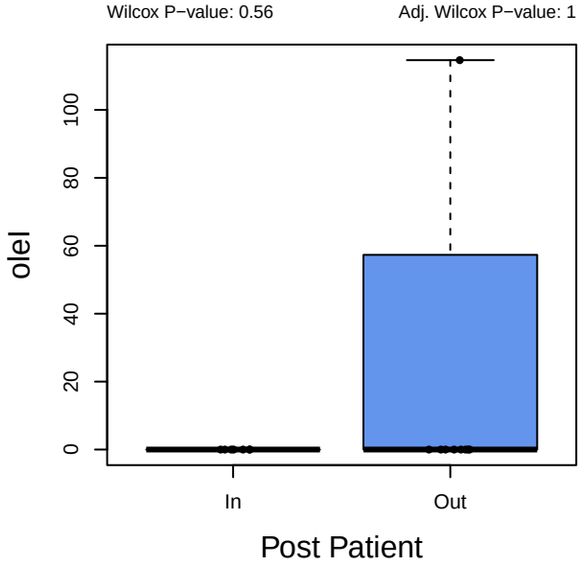

Wilcox P−value: 0.695
Adj. Wilcox P−value: 1
AAC(6')−Ii
0
100
200
300
400
500
600
In
Out
Post Patient

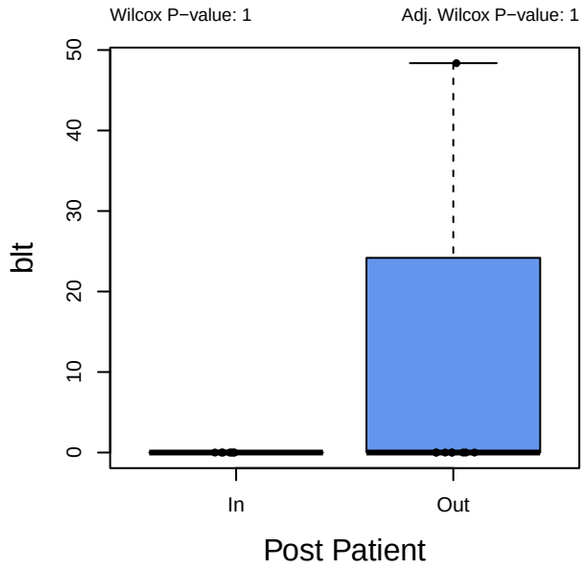

Wilcox P−value: 0.331
Adj. Wilcox P−value: 1
ykkD
0
200
400
600
800
In
Out
Post Patient

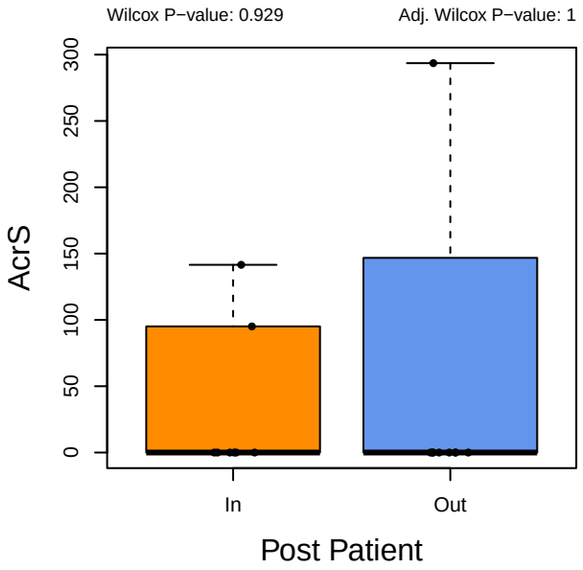

Wilcox P−value: 0.503
Adj. Wilcox P−value: 1
dfrB6
0
1000
2000
3000
4000
In
Out
Post Patient

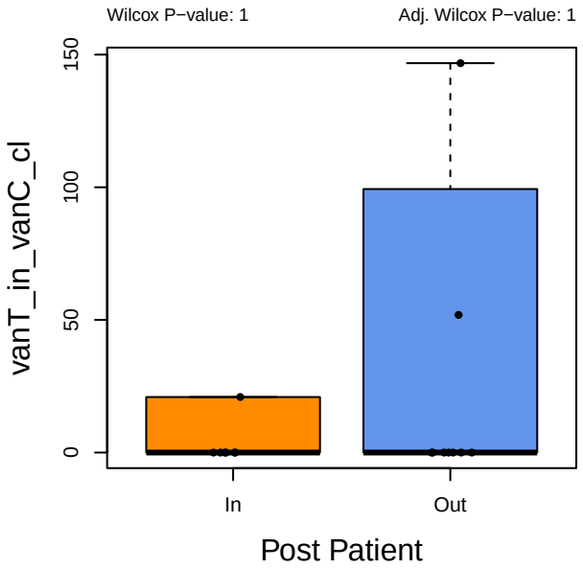

Wilcox P−value: 0.194
Adj. Wilcox P−value: 1
PME−1
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

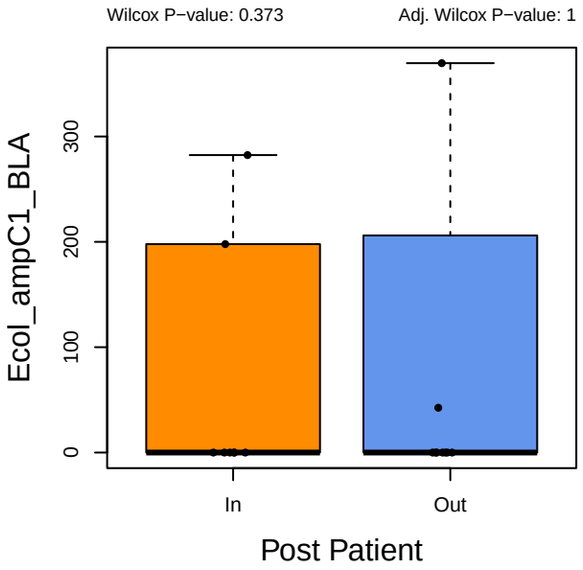

Wilcox P−value: 0.194
Adj. Wilcox P−value: 1
arnA
0
5
10
15
20
25
In
Out
Post Patient

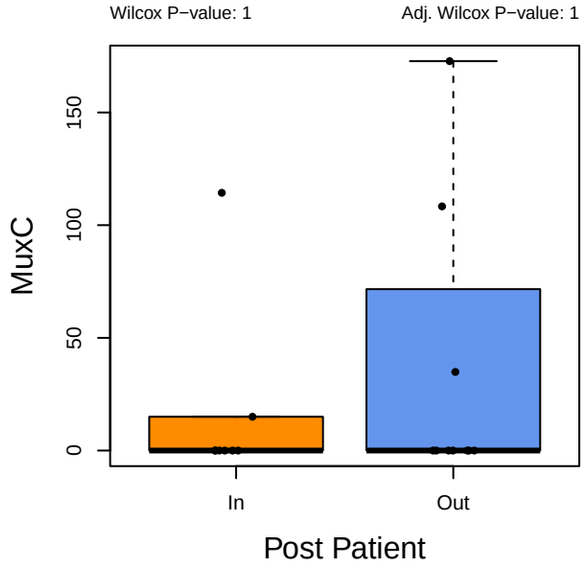

Wilcox P−value: 0.56
Adj. Wilcox P−value: 1
olel
0
20
40
60
80
100
In
Out
Post Patient

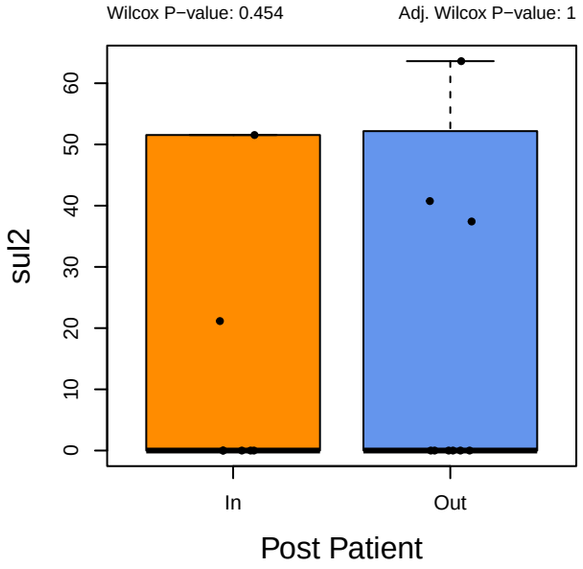

Wilcox P−value: 1
Adj. Wilcox P−value: 1
blt
0
10
20
30
40
50
In
Out
Post Patient

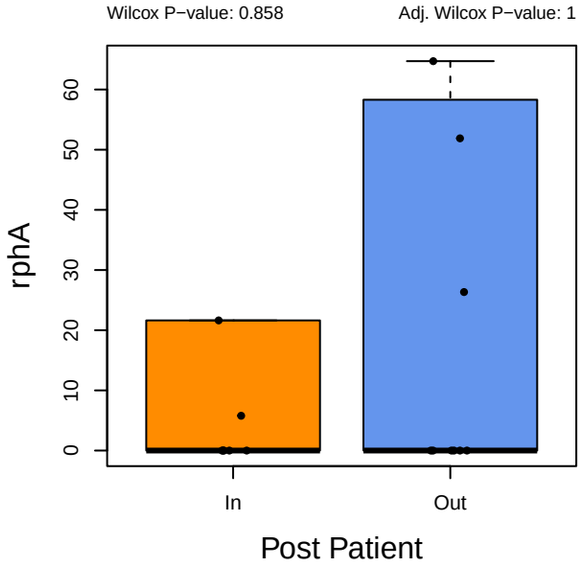

Wilcox P−value: 0.929
Adj. Wilcox P−value: 1
AcrS
0
50
100
150
200
250
300
In
Out
Post Patient

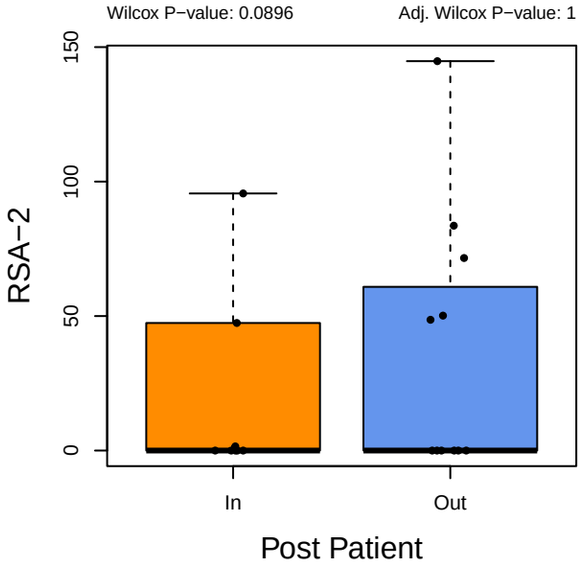

Wilcox P−value: 1
Adj. Wilcox P−value: 1
vanT_in_vanC_cl
0
50
100
150
In
Out
Post Patient

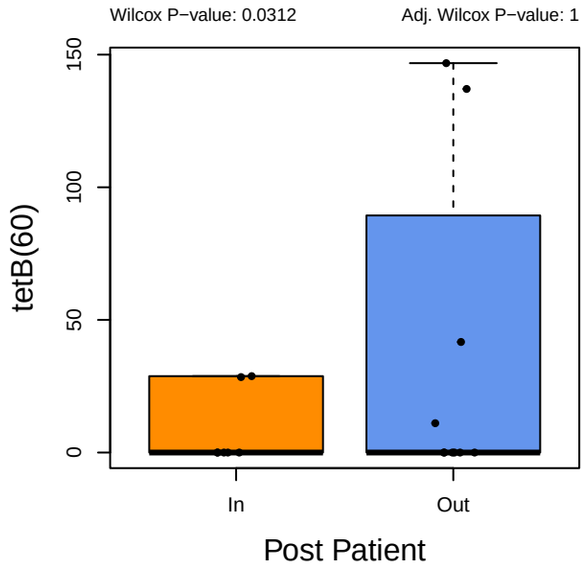

Wilcox P−value: 0.373
Adj. Wilcox P−value: 1
Ecol_ampC1_BLA
0
100
200
300
In
Out
Post Patient

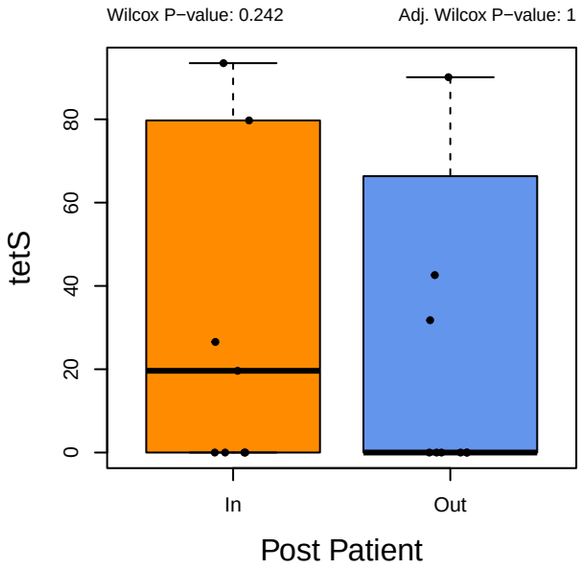

Wilcox P−value: 1
Adj. Wilcox P−value: 1
MuxC
0
50
100
150
In
Out
Post Patient

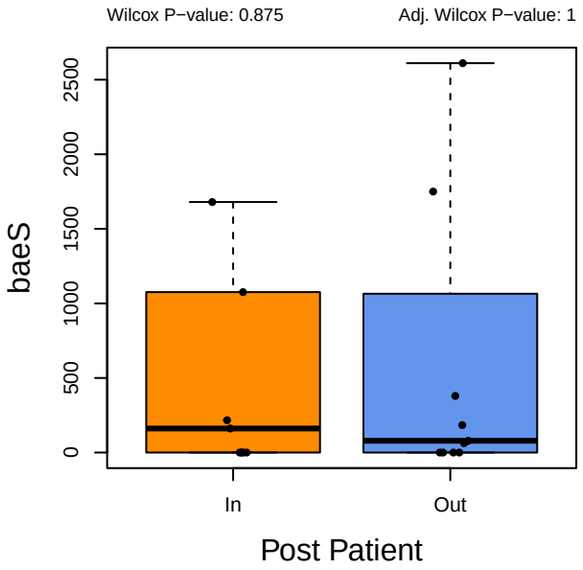

Wilcox P−value: 0.454
Adj. Wilcox P−value: 1
sul2
0
10
20
30
40
50
60
In
Out
Post Patient

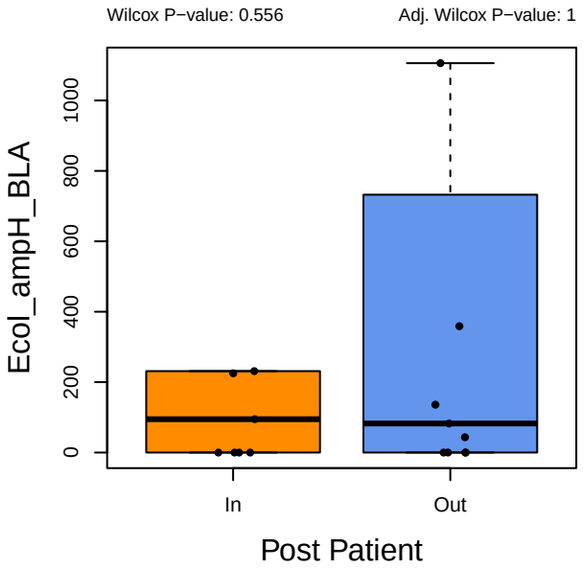

Wilcox P−value: 0.858
Adj. Wilcox P−value: 1
rphA
0
10
20
30
40
50
60
In
Out
Post Patient

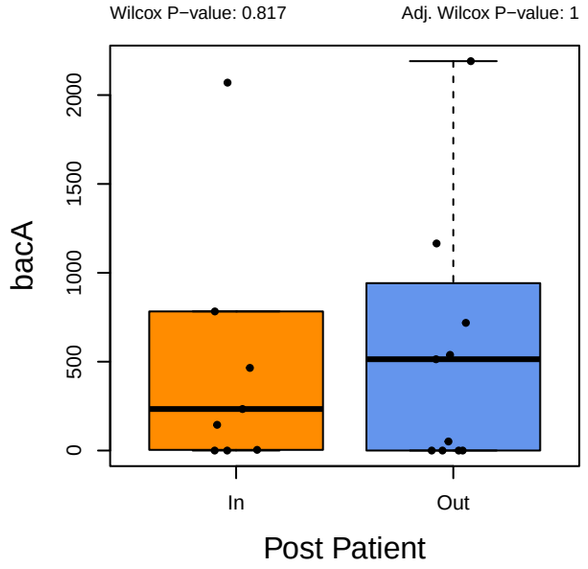

Wilcox P−value: 0.0896
Adj. Wilcox P−value: 1
RSA−2
0
50
100
150
In
Out
Post Patient

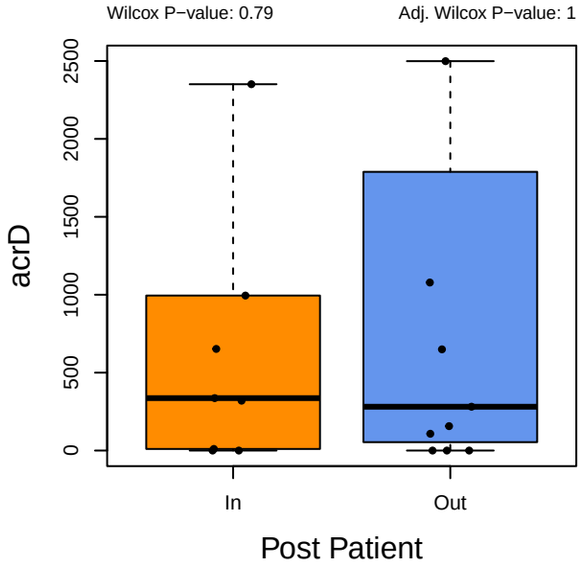

Wilcox P−value: 0.0312
Adj. Wilcox P−value: 1
tetB(60)
0
50
100
150
In
Out
Post Patient

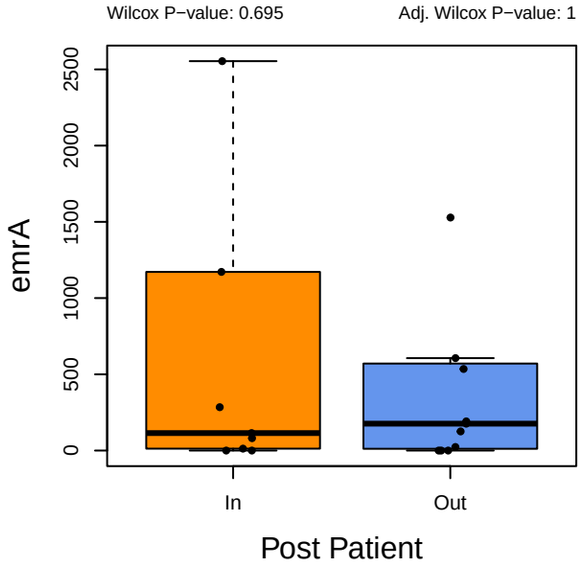

Wilcox P−value: 0.242
Adj. Wilcox P−value: 1
tetS
0
20
40
60
80
In
Out
Post Patient

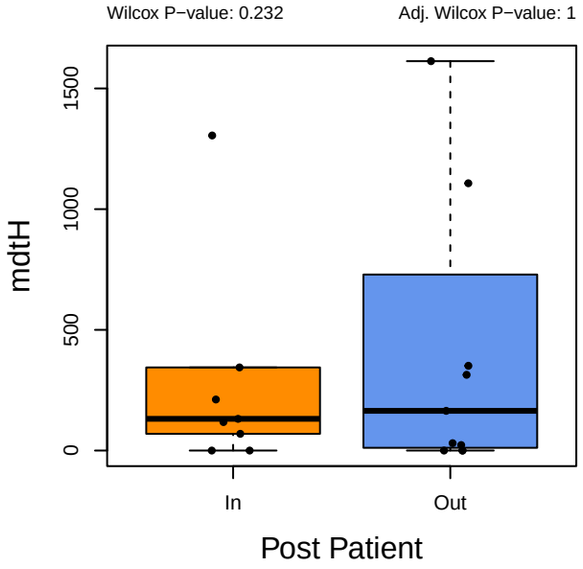

Wilcox P−value: 0.875
Adj. Wilcox P−value: 1
baeS
0
500
1000
1500
2000
2500
In
Out
Post Patient

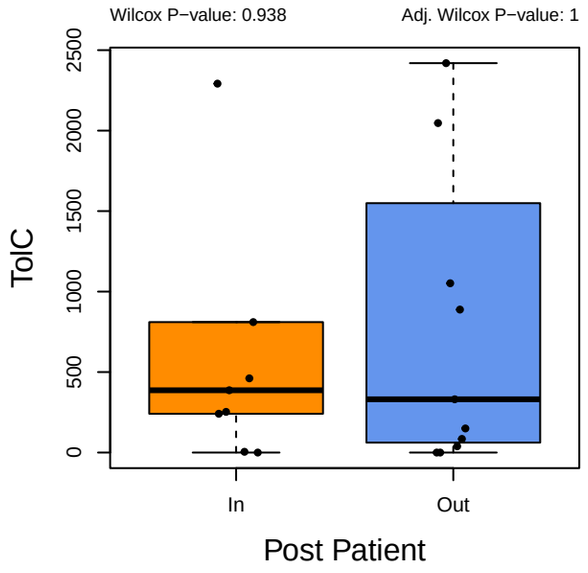

Wilcox P−value: 0.556
Adj. Wilcox P−value: 1
Ecol_ampH_BLA
0
200
400
600
800
1000
In
Out
Post Patient

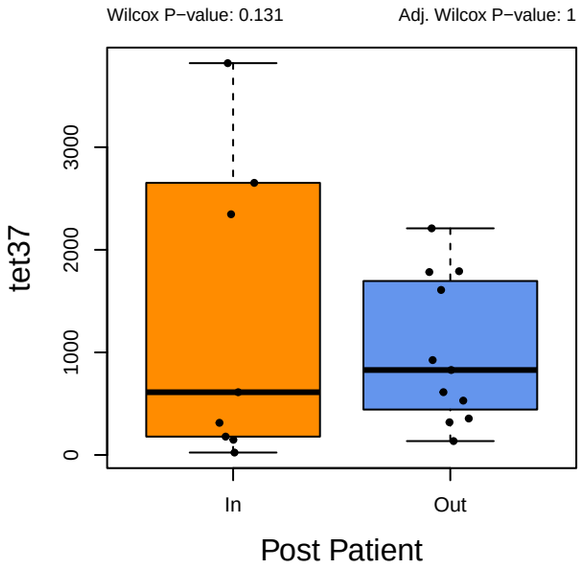

Wilcox P−value: 0.817
Adj. Wilcox P−value: 1
bacA
0
500
1000
1500
2000
In
Out
Post Patient

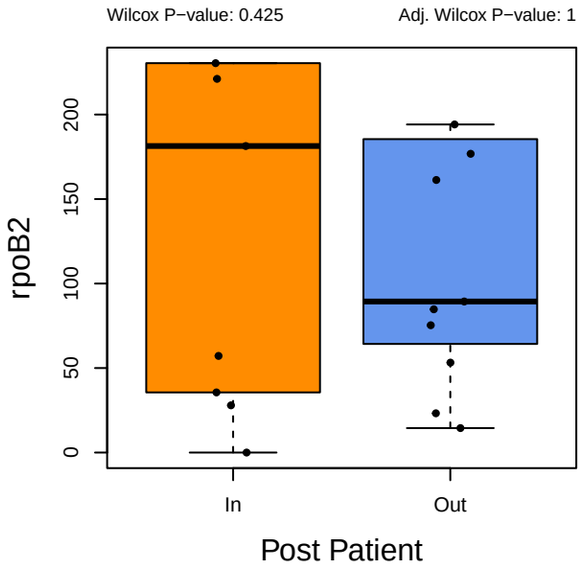

Wilcox P−value: 0.79
Adj. Wilcox P−value: 1
acrD
0
500
1000
1500
2000
2500
In
Out
Post Patient

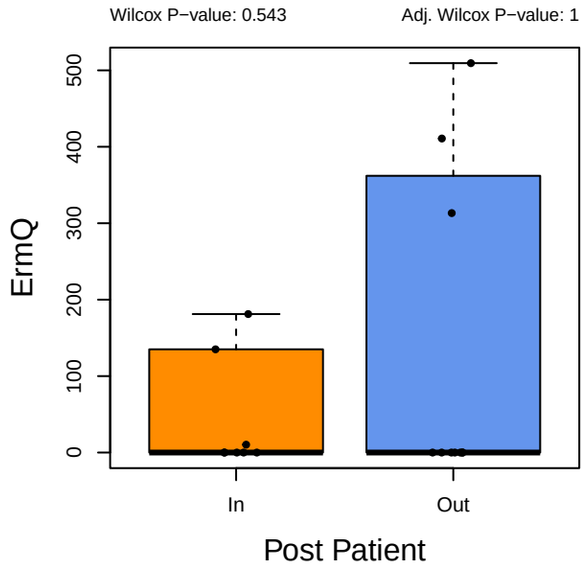

Wilcox P−value: 0.695
Adj. Wilcox P−value: 1
emrA
0
500
1000
1500
2000
2500
In
Out
Post Patient

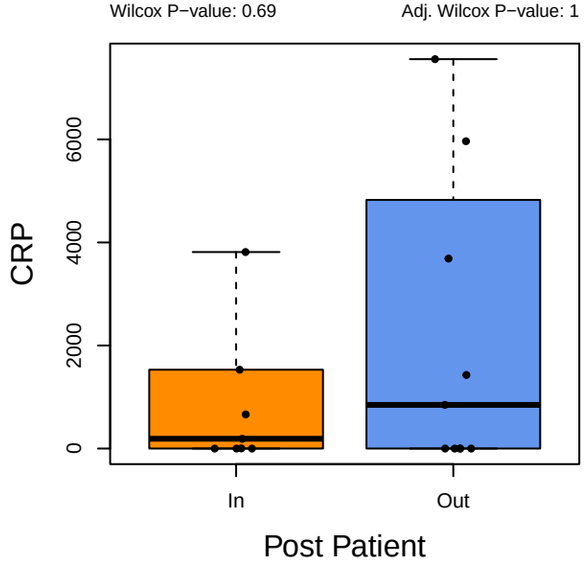

Wilcox P−value: 0.232
Adj. Wilcox P−value: 1
mdtH
0
500
1000
1500
In
Out
Post Patient

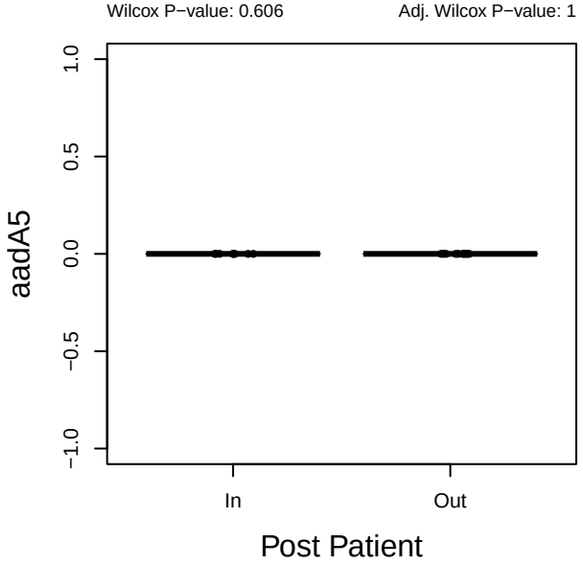

Wilcox P−value: 0.938
Adj. Wilcox P−value: 1
TolC
0
500
1000
1500
2000
2500
In
Out
Post Patient

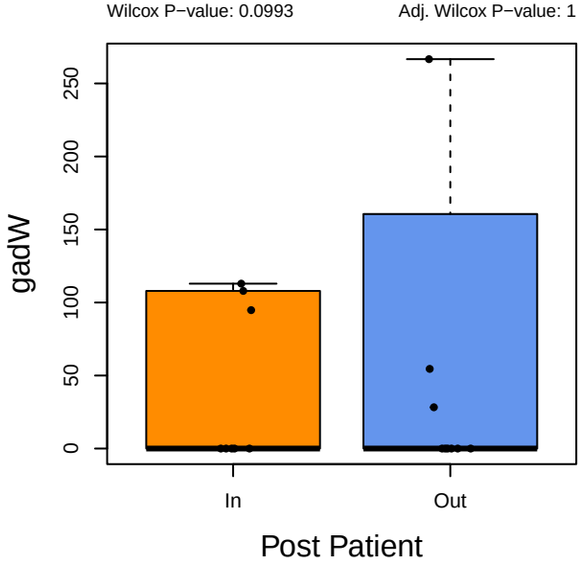

Wilcox P−value: 0.131
Adj. Wilcox P−value: 1
tet37
0
1000
2000
3000
In
Out
Post Patient

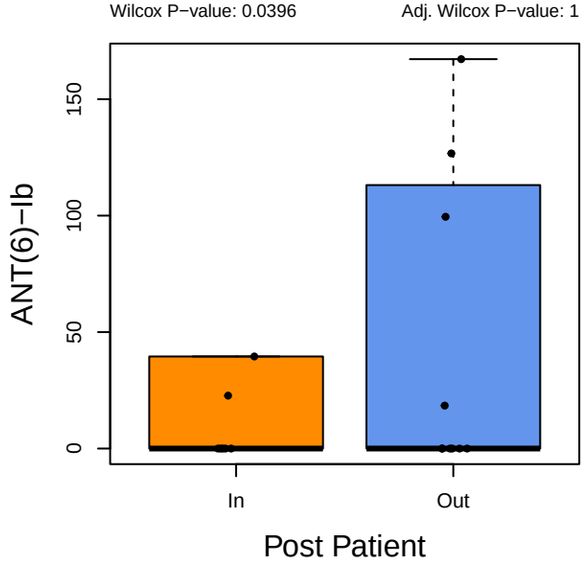

Wilcox P−value: 0.425
Adj. Wilcox P−value: 1
rpoB2
0
50
100
150
200
In
Out
Post Patient

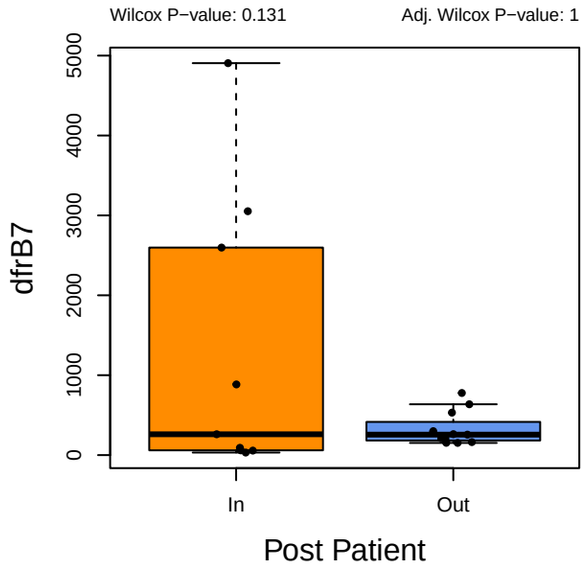

Wilcox P−value: 0.543
Adj. Wilcox P−value: 1
ErmQ
0
100
200
300
400
500
In
Out
Post Patient

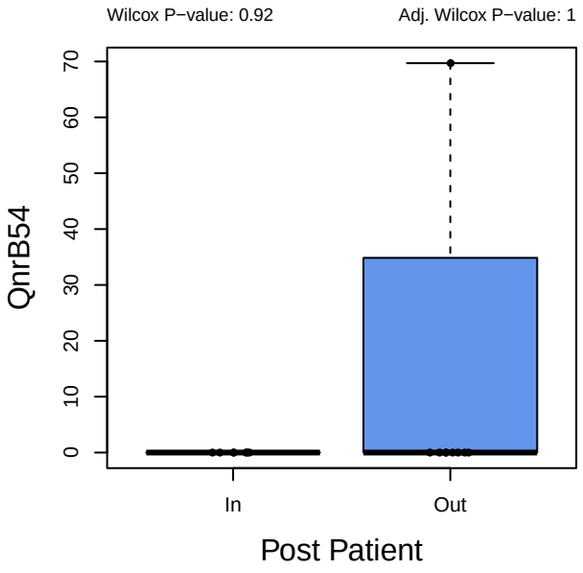

Wilcox P−value: 0.69
Adj. Wilcox P−value: 1
CRP
0
2000
4000
6000
In
Out
Post Patient

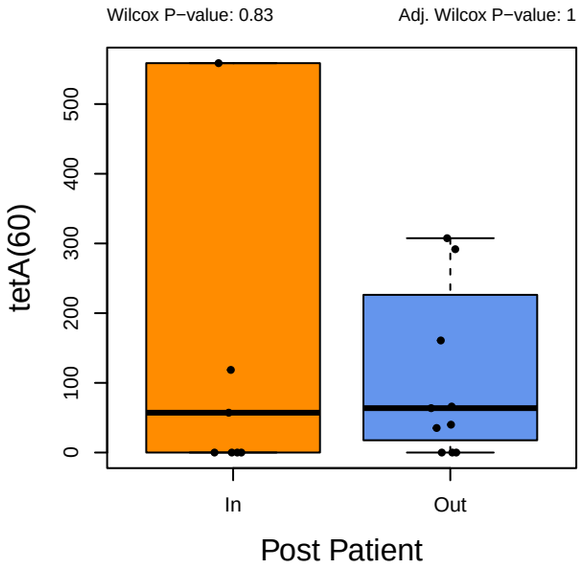

Wilcox P−value: 0.606
Adj. Wilcox P−value: 1
aadA5
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

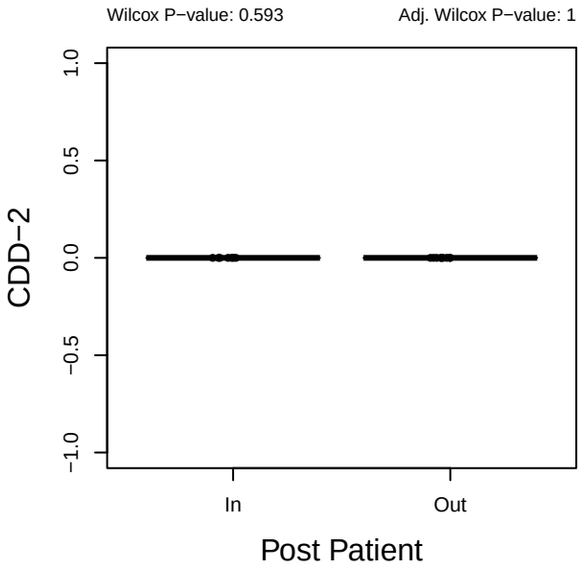

Wilcox P−value: 0.0993
Adj. Wilcox P−value: 1
gadW
0
50
100
150
200
250
In
Out
Post Patient

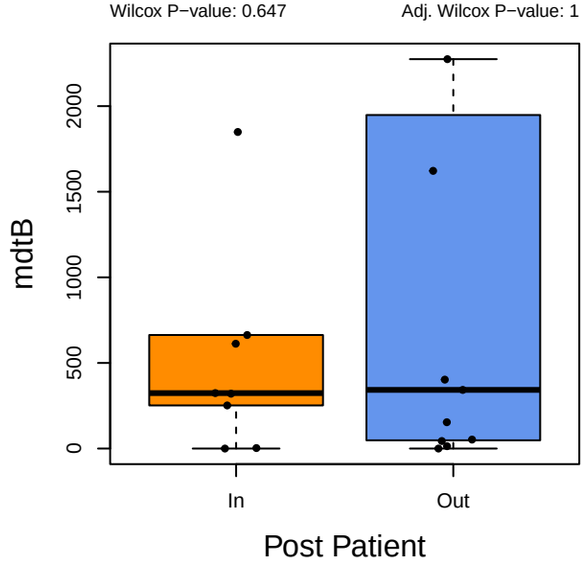

Wilcox P−value: 0.0396
Adj. Wilcox P−value: 1
ANT(6)−Ib
0
50
100
150
In
Out
Post Patient

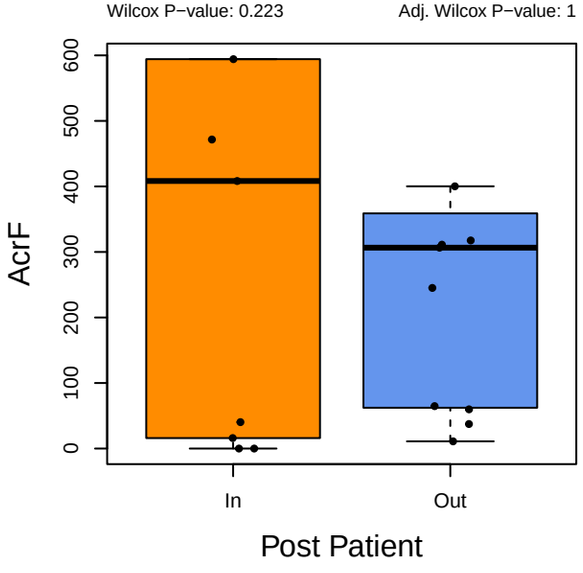

Wilcox P−value: 0.131
Adj. Wilcox P−value: 1
dfrB7
0
1000
2000
3000
4000
5000
In
Out
Post Patient

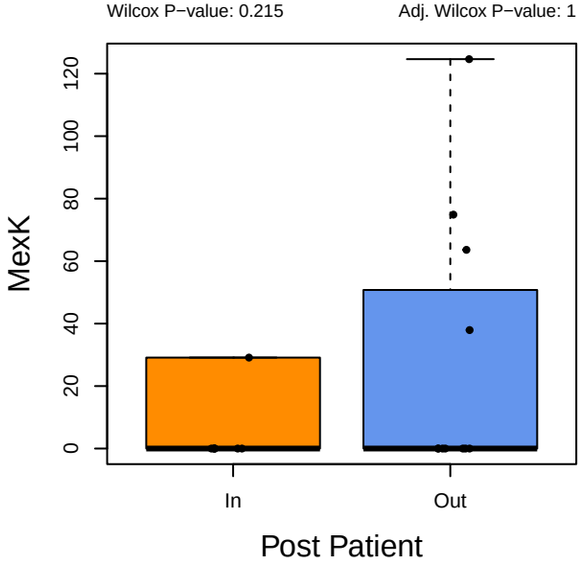

Wilcox P−value: 0.92
Adj. Wilcox P−value: 1
QnrB54
0
10
20
30
40
50
60
70
In
Out
Post Patient

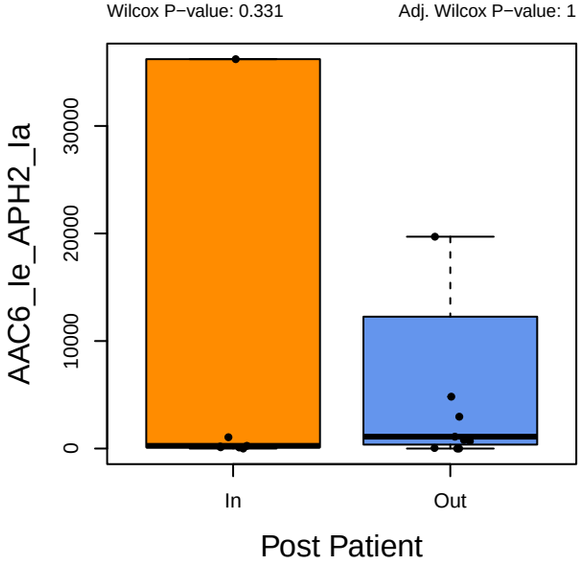

Wilcox P−value: 0.83
Adj. Wilcox P−value: 1
tetA(60)
0
100
200
300
400
500
In
Out
Post Patient

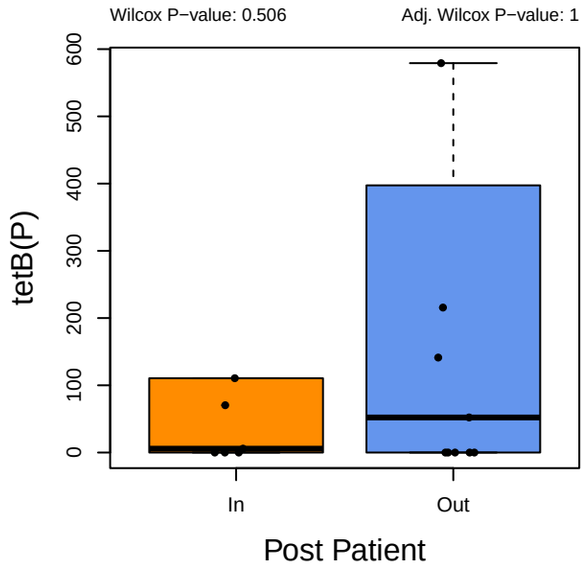

Wilcox P−value: 0.593
Adj. Wilcox P−value: 1
CDD−2
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

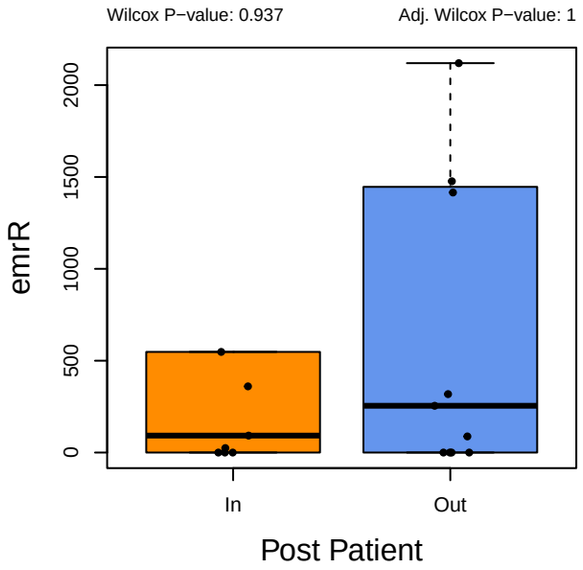

Wilcox P−value: 0.647
Adj. Wilcox P−value: 1
mdtB
0
500
1000
1500
2000
In
Out
Post Patient

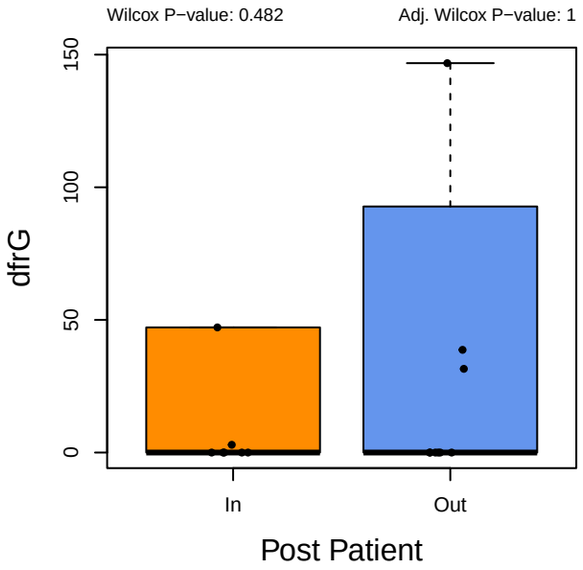

Wilcox P−value: 0.223
Adj. Wilcox P−value: 1
AcrF
0
100
200
300
400
500
600
In
Out
Post Patient

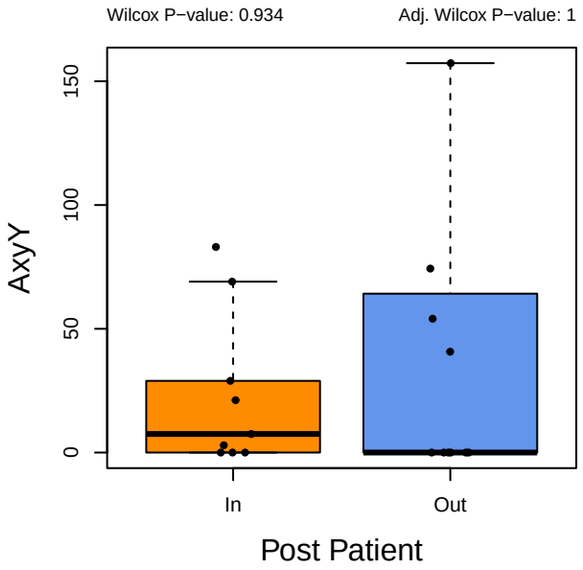

Wilcox P−value: 0.215
Adj. Wilcox P−value: 1
MexK
0
20
40
60
80
100
120
In
Out
Post Patient

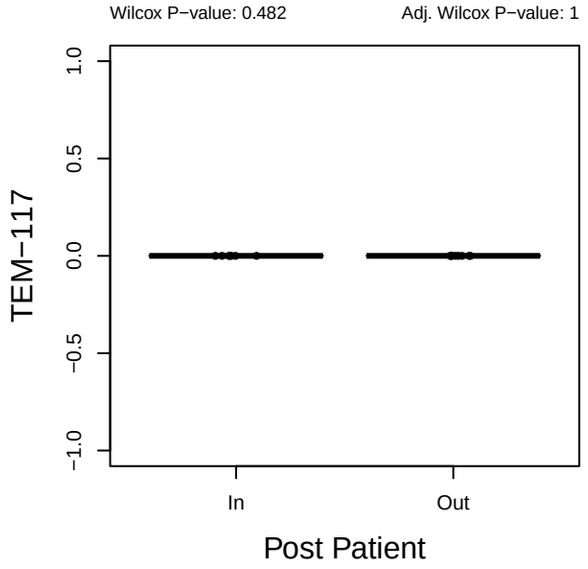

Wilcox P−value: 0.331
Adj. Wilcox P−value: 1
AAC6_Ie_APH2_Ia
0
10000
20000
30000
In
Out
Post Patient

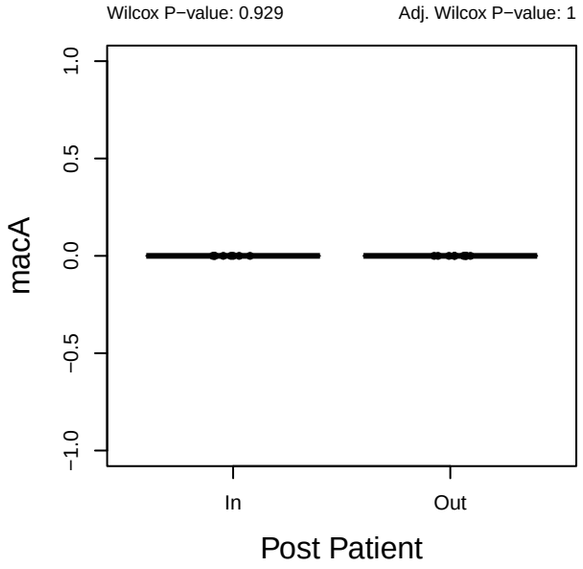

Wilcox P−value: 0.506
Adj. Wilcox P−value: 1
tetB(P)
0
100
200
300
400
500
600
In
Out
Post Patient

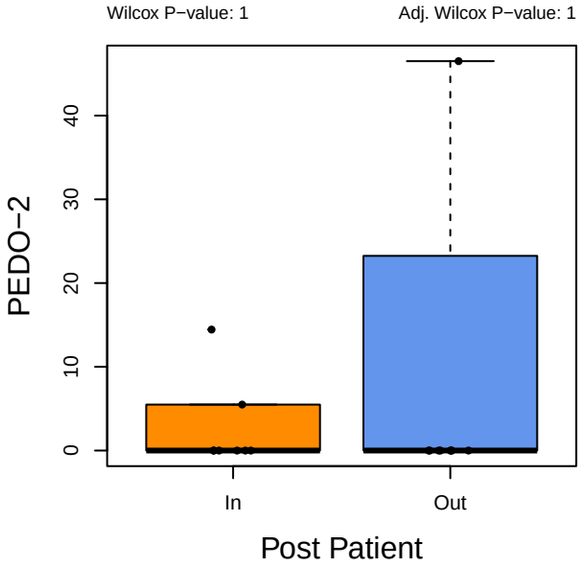

Wilcox P−value: 0.937
Adj. Wilcox P−value: 1
emrR
0
500
1000
1500
2000
In
Out
Post Patient

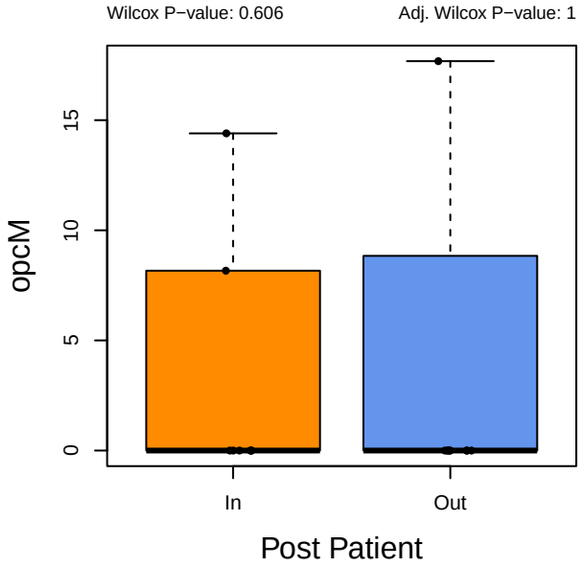

Wilcox P−value: 0.482
Adj. Wilcox P−value: 1
dfrG
0
50
100
150
In
Out
Post Patient

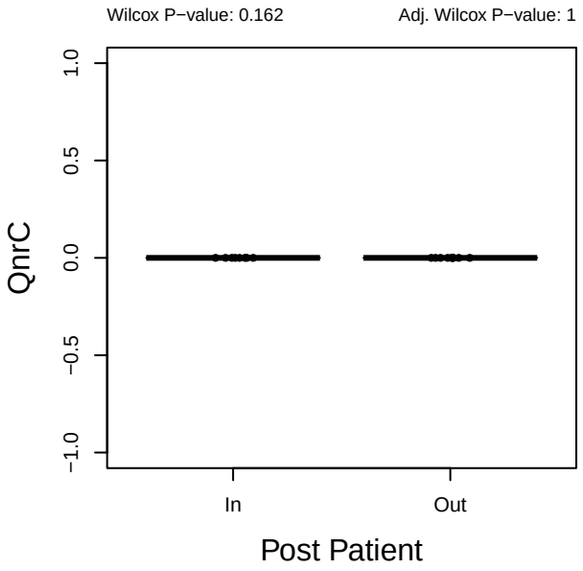

Wilcox P−value: 0.934
Adj. Wilcox P−value: 1
AxyY
0
50
100
150
In
Out
Post Patient

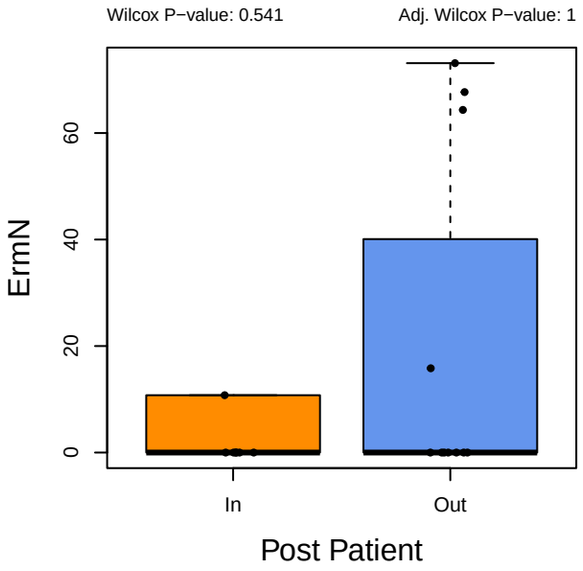

Wilcox P−value: 0.482
Adj. Wilcox P−value: 1
TEM−117
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient

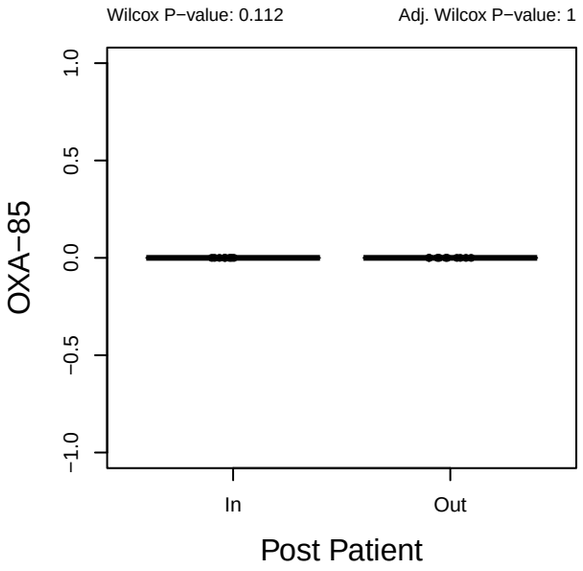

Wilcox P−value: 0.929
Adj. Wilcox P−value: 1
macA
−1.0
−0.5
0.0
0.5
1.0
In
Out
Post Patient


Wilcox P−value: 1
Adj. Wilcox P−value: 1
PEDO−2
0
10
20
30
40
In
Out
Post Patient


Wilcox P−value: 0.606
Adj. Wilcox P−value: 1
opcM
0
5
10
15
In
Out
Post Patient


Wilcox P−value: 0.162
Adj. Wilcox P−value: 1
QnrC
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient


Wilcox P−value: 0.541
Adj. Wilcox P−value: 1
ErmN
60
40
20
0
In
Out
Post Patient


Wilcox P−value: 0.112
Adj. Wilcox P−value: 1
OXA−85
1.0
0.5
0.0
−0.5
−1.0
In
Out
Post Patient