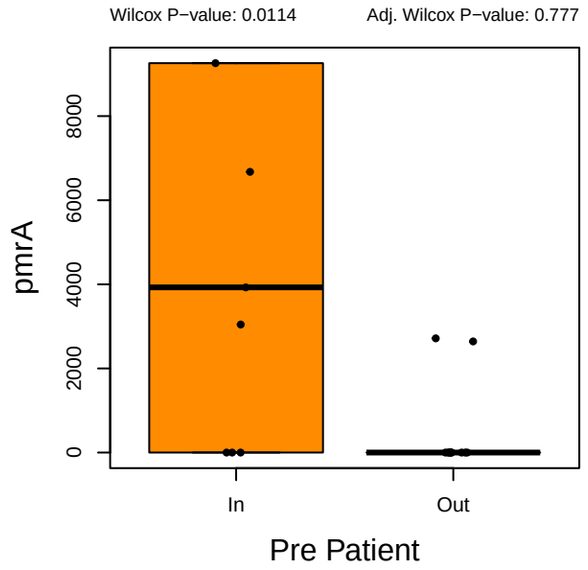
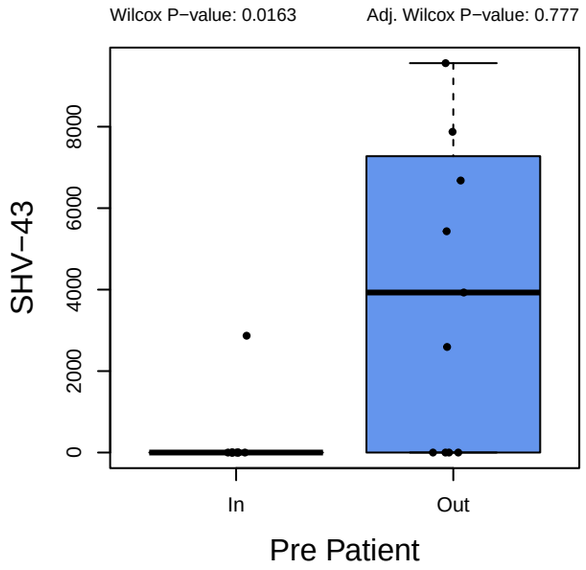
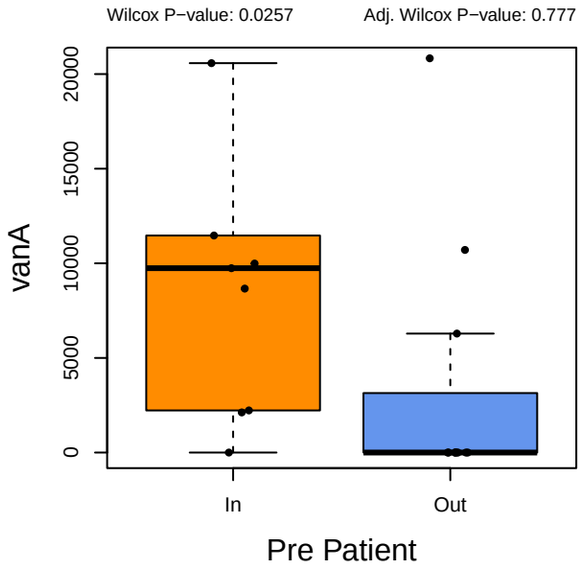
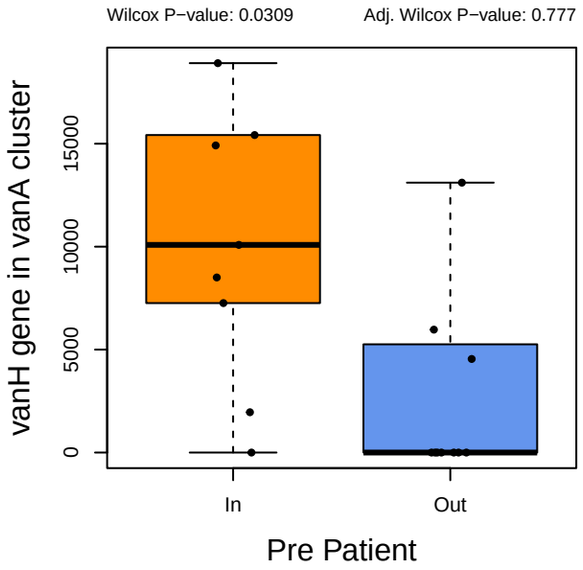
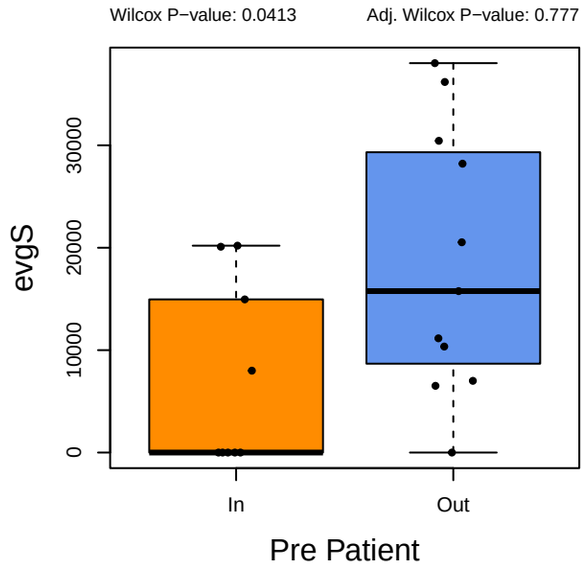
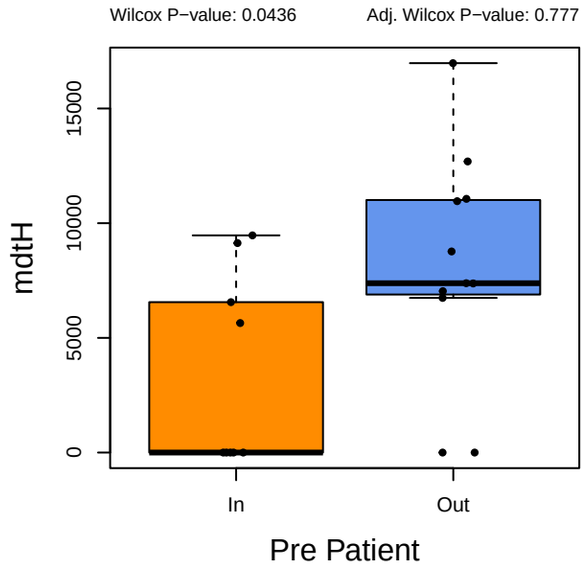

Wilcox P−value: 0.0114
Adj. Wilcox P−value: 0.777
pmrA
0
2000
4000
6000
8000
In
Out
Pre Patient

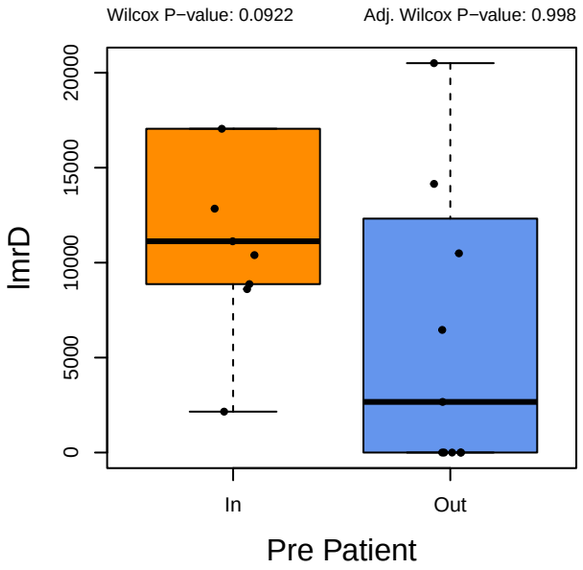

Wilcox P−value: 0.0163
Adj. Wilcox P−value: 0.777
SHV−43
0
2000
4000
6000
8000
In
Out
Pre Patient

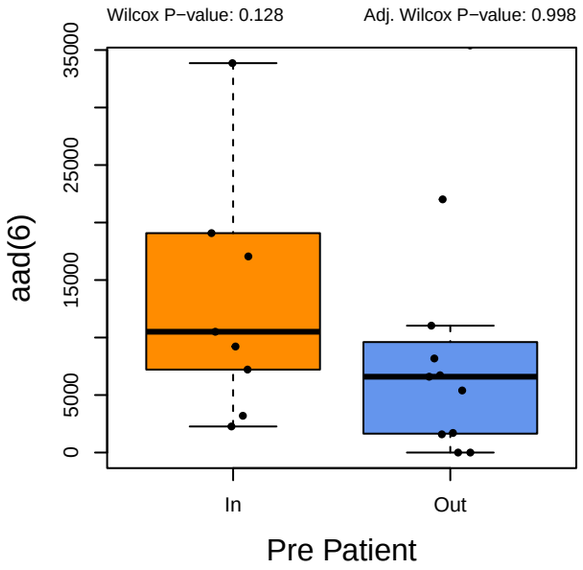

Wilcox P−value: 0.0257
Adj. Wilcox P−value: 0.777
vanA
0
5000
10000
15000
20000
In
Out
Pre Patient

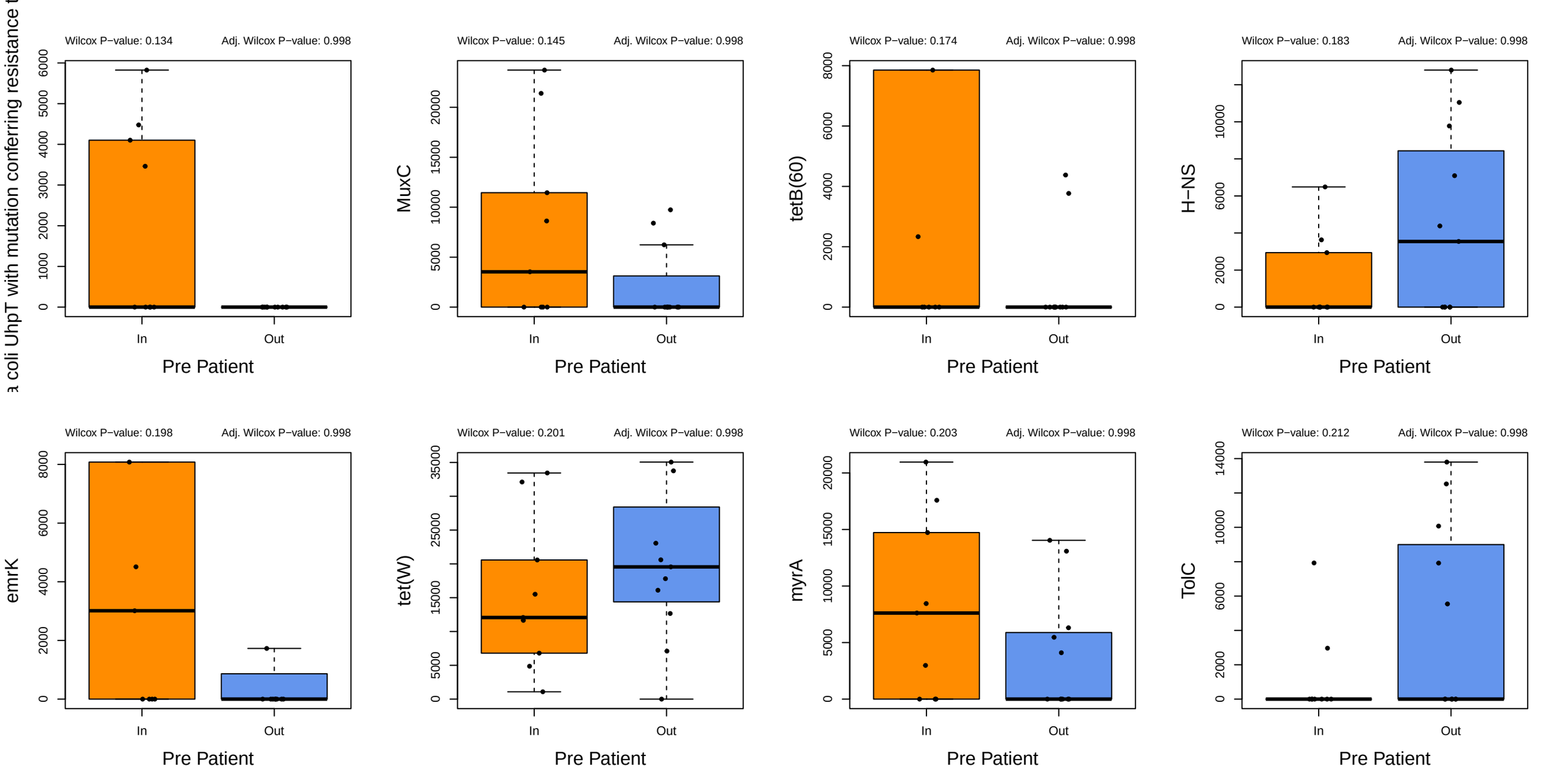

Wilcox P−value: 0.0309
Adj. Wilcox P−value: 0.777
vanH gene in vanA cluster
0
5000
10000
15000
In
Out
Pre Patient

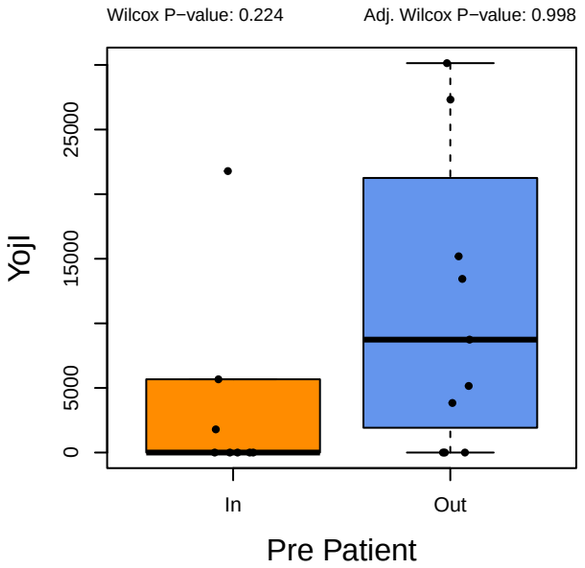

Wilcox P−value: 0.0413
Adj. Wilcox P−value: 0.777
evgS
0
10000
20000
30000
In
Out
Pre Patient

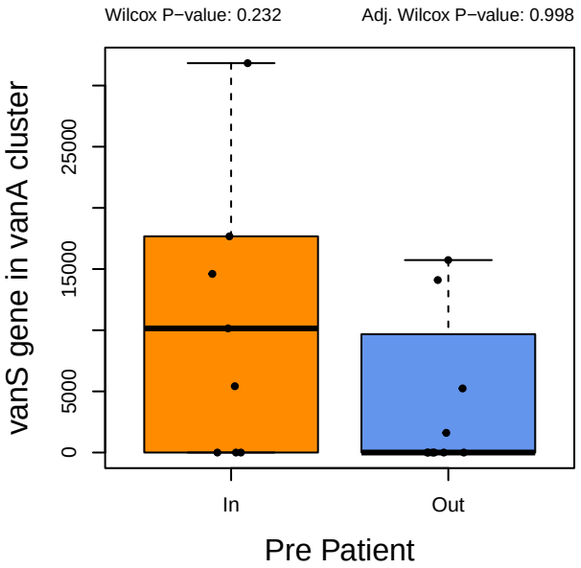

Wilcox P−value: 0.0436
Adj. Wilcox P−value: 0.777
mdtH
0
5000
10000
15000
In
Out
Pre Patient

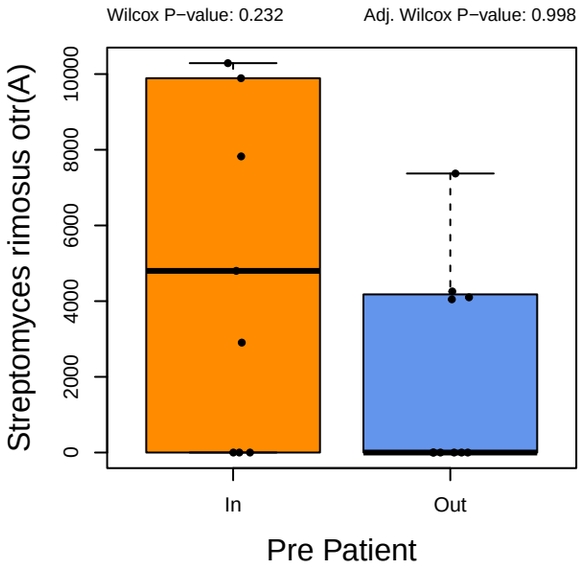

Wilcox P−value: 0.0922
Adj. Wilcox P−value: 0.998
lmrD
0
5000
10000
15000
20000
In
Out
Pre Patient

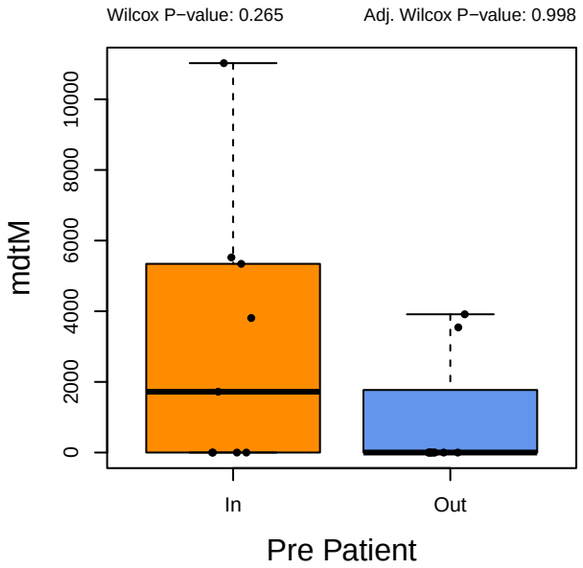

Wilcox P−value: 0.128
Adj. Wilcox P−value: 0.998
aad(6)
0
5000
15000
25000
35000
In
Out
Pre Patient

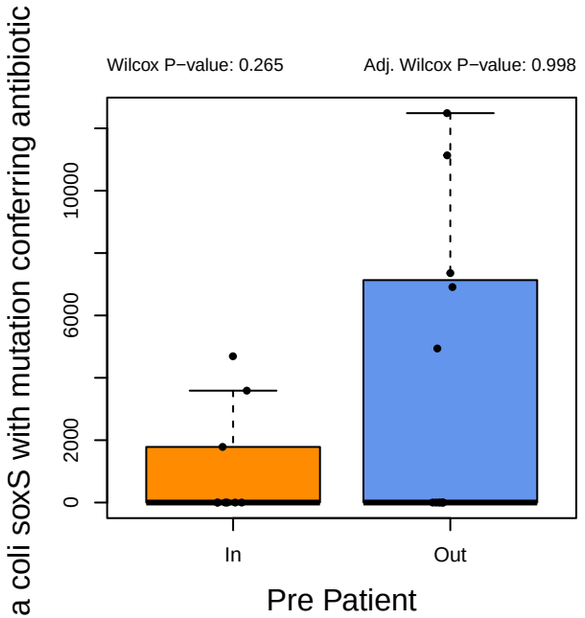

a coli UhpT with mutation conferring resistance t
Wilcox P−value: 0.134
Adj. Wilcox P−value: 0.998
Wilcox P−value: 0.145
Adj. Wilcox P−value: 0.998
MuxC
Wilcox P−value: 0.174
Adj. Wilcox P−value: 0.998
tetB(60)
Wilcox P−value: 0.183
Adj. Wilcox P−value: 0.998
H−NS
Wilcox P−value: 0.198
Adj. Wilcox P−value: 0.998
emrK
Wilcox P−value: 0.201
Adj. Wilcox P−value: 0.998
tet(W)
Wilcox P−value: 0.203
Adj. Wilcox P−value: 0.998
myrA
Wilcox P−value: 0.212
Adj. Wilcox P−value: 0.998
TolC
In
Out
Pre Patient

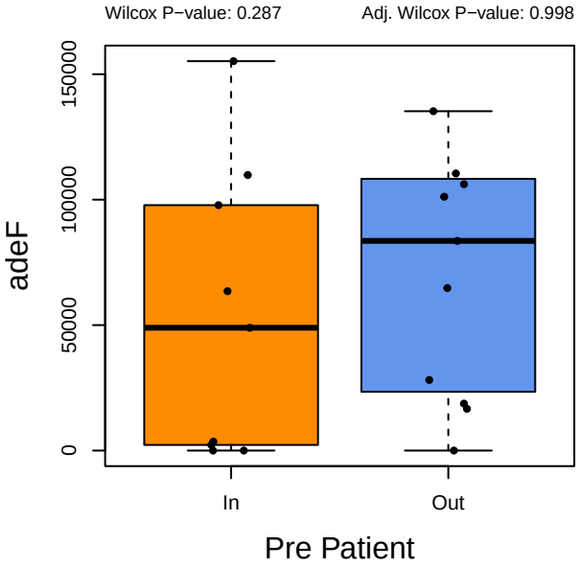

Wilcox P−value: 0.224
Adj. Wilcox P−value: 0.998
YojI
0
5000
15000
25000
In
Out
Pre Patient

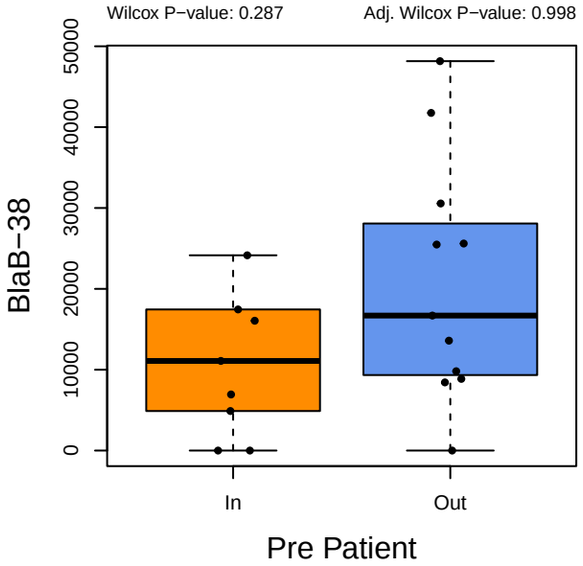

Wilcox P−value: 0.232
Adj. Wilcox P−value: 0.998
vanS gene in vanA cluster
0
5000
15000
25000
In
Out
Pre Patient

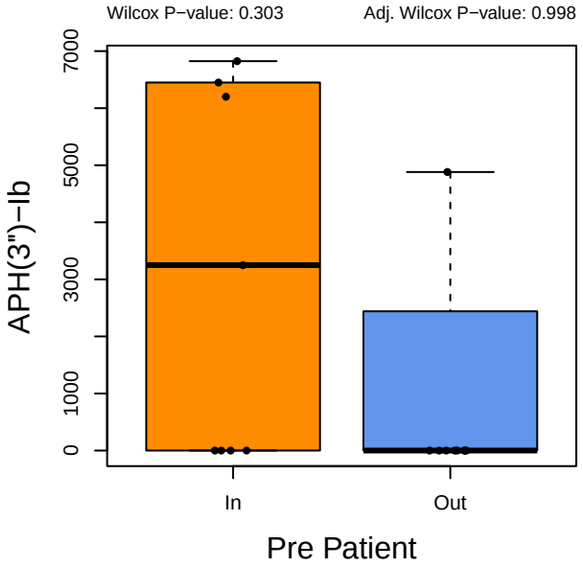

Wilcox P−value: 0.232
Adj. Wilcox P−value: 0.998
Streptomyces rimosus otr(A)
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

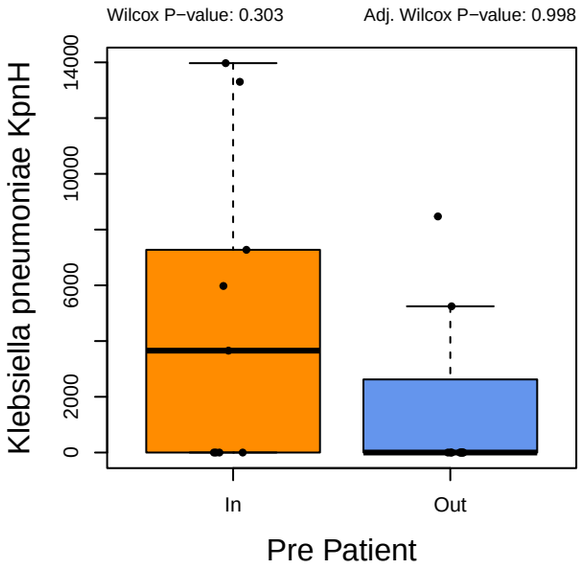

Wilcox P−value: 0.265
Adj. Wilcox P−value: 0.998
mdtM
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

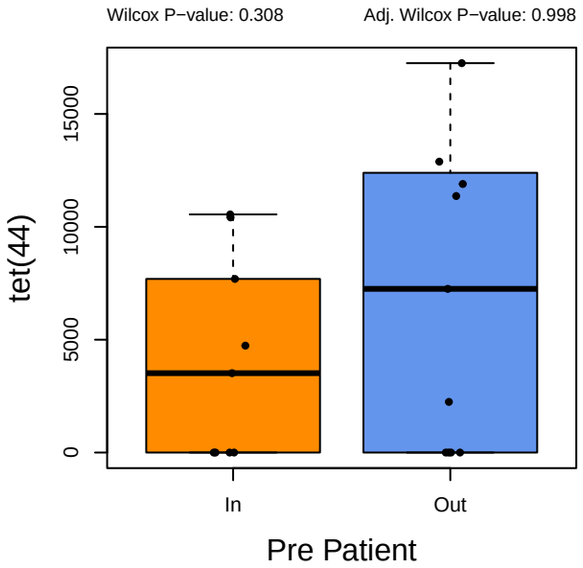

Wilcox P−value: 0.265
Adj. Wilcox P−value: 0.998
hia coli soxS with mutation conferring antibiotic
0
2000
6000
10000
In
Out
Pre Patient

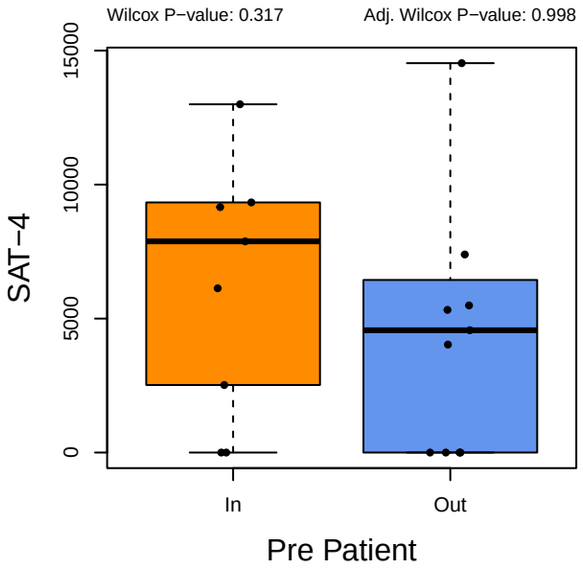

Wilcox P−value: 0.287
Adj. Wilcox P−value: 0.998
adeF
0
50000
100000
150000
In
Out
Pre Patient

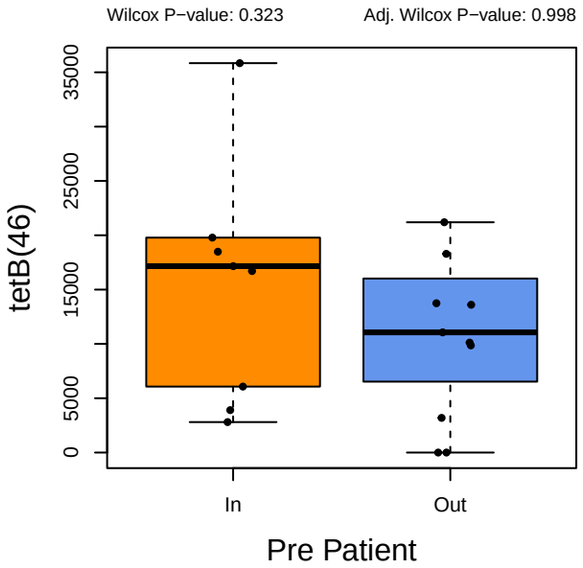

Wilcox P−value: 0.287
Adj. Wilcox P−value: 0.998
BlaB−38
0
10000
20000
30000
40000
50000
In
Out
Pre Patient

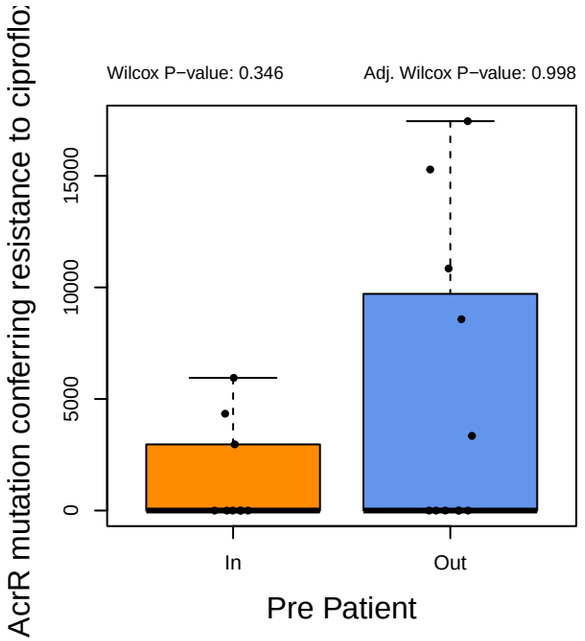

Wilcox P−value: 0.303
Adj. Wilcox P−value: 0.998
APH(3")−Ib
0
1000
3000
5000
7000
In
Out
Pre Patient

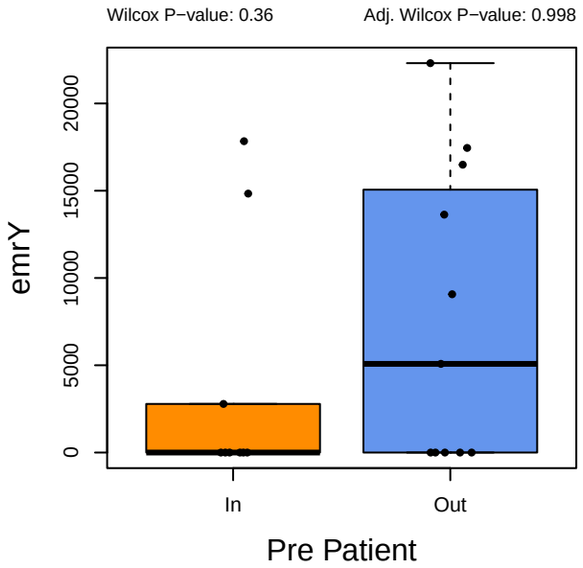

Wilcox P−value: 0.303
Adj. Wilcox P−value: 0.998
Klebsiella pneumoniae KpnH
0
2000
6000
10000
14000
In
Out
Pre Patient

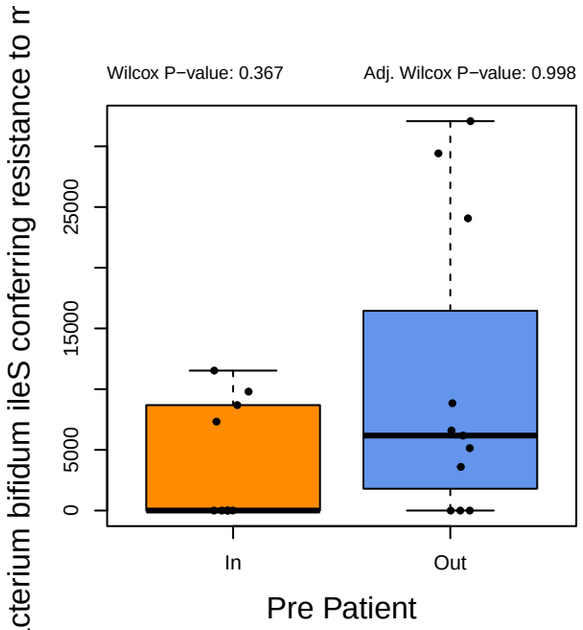

Wilcox P−value: 0.308
Adj. Wilcox P−value: 0.998
tet(44)
0
5000
10000
15000
In
Out
Pre Patient

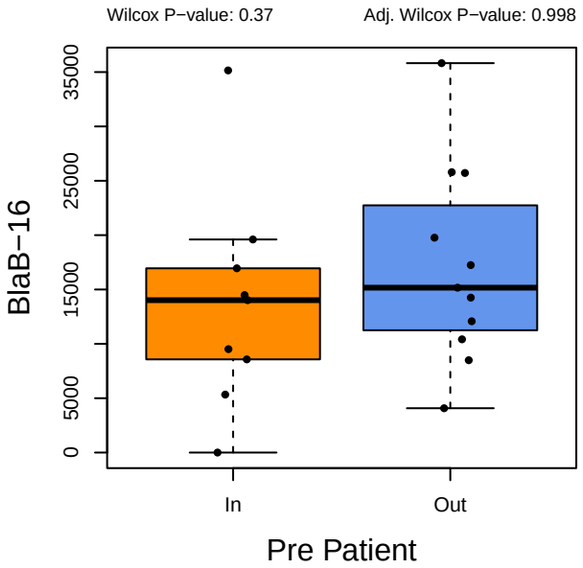

Wilcox P−value: 0.317
Adj. Wilcox P−value: 0.998
SAT−4
0
5000
10000
15000
In
Out
Pre Patient

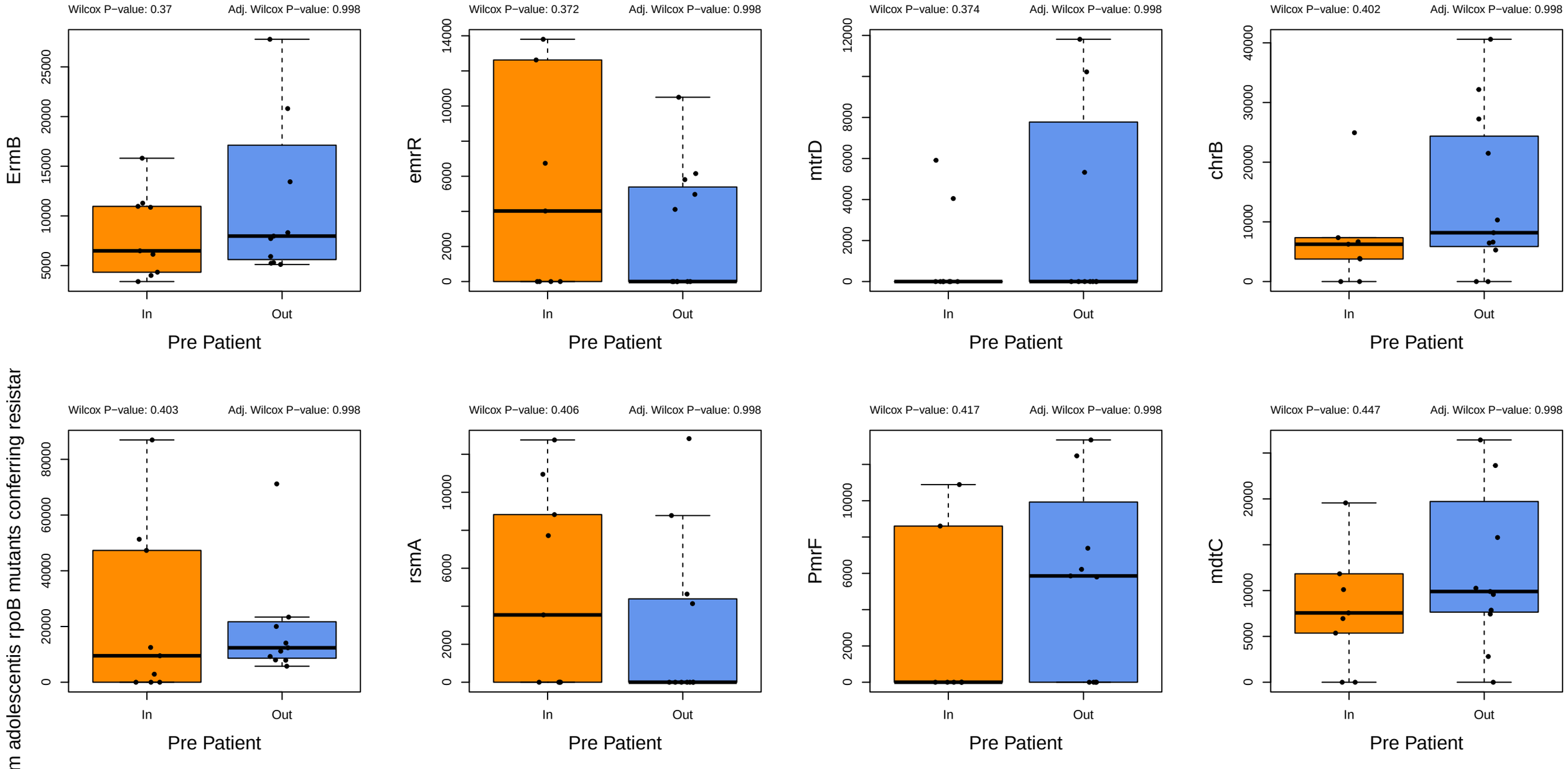

Wilcox P−value: 0.323
Adj. Wilcox P−value: 0.998
tetB(46)
0
5000
15000
25000
35000
In
Out
Pre Patient

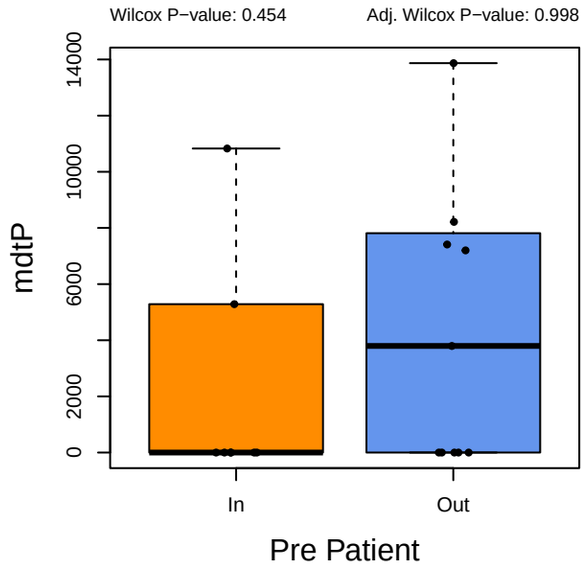

Wilcox P−value: 0.346
Adj. Wilcox P−value: 0.998
AcrR mutation conferring resistance to ciproflo
0
5000
10000
15000
In
Out
Pre Patient

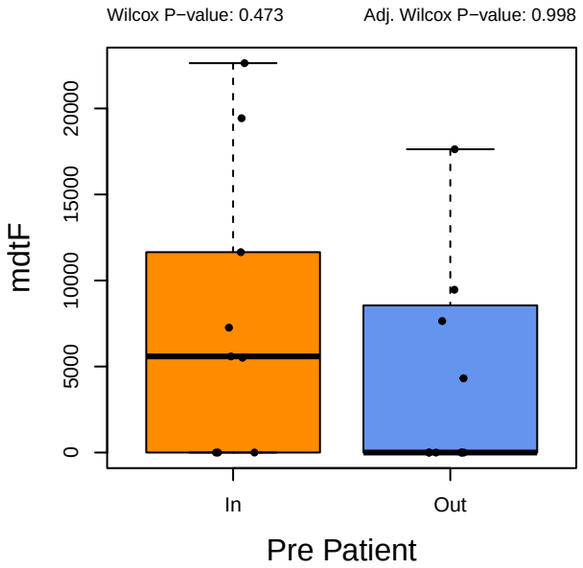

Wilcox P−value: 0.36
Adj. Wilcox P−value: 0.998
emrY
0
5000
10000
15000
20000
In
Out
Pre Patient

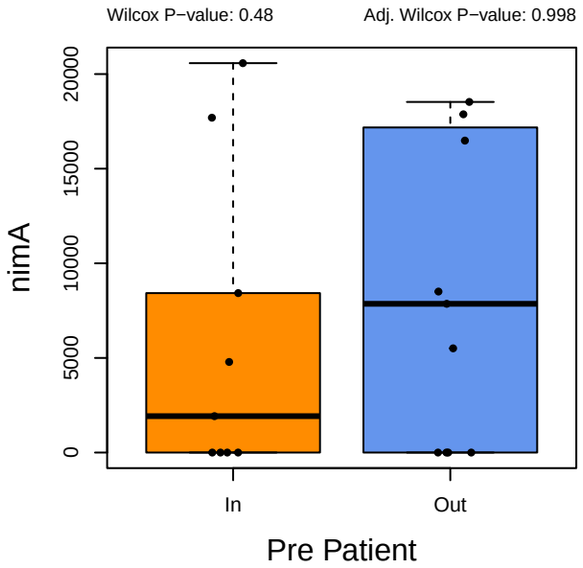

Wilcox P−value: 0.367
Adj. Wilcox P−value: 0.998
bacterium bifidum ileS conferring resistance to m
0
5000
15000
25000
In
Out
Pre Patient

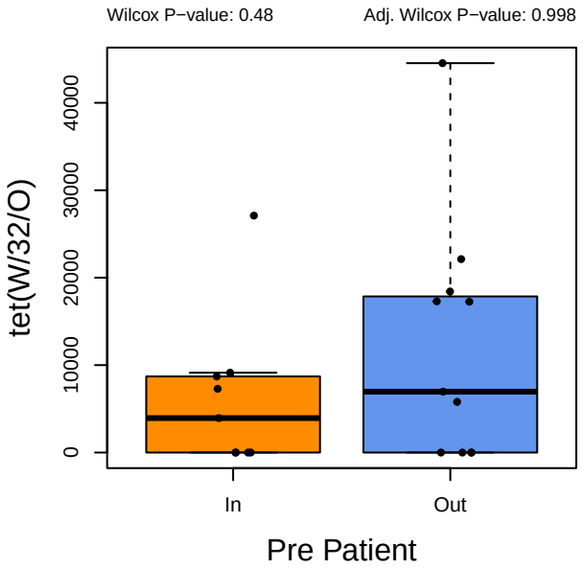

Wilcox P−value: 0.37
Adj. Wilcox P−value: 0.998
BlaB−16
0
5000
15000
25000
35000
In
Out
Pre Patient

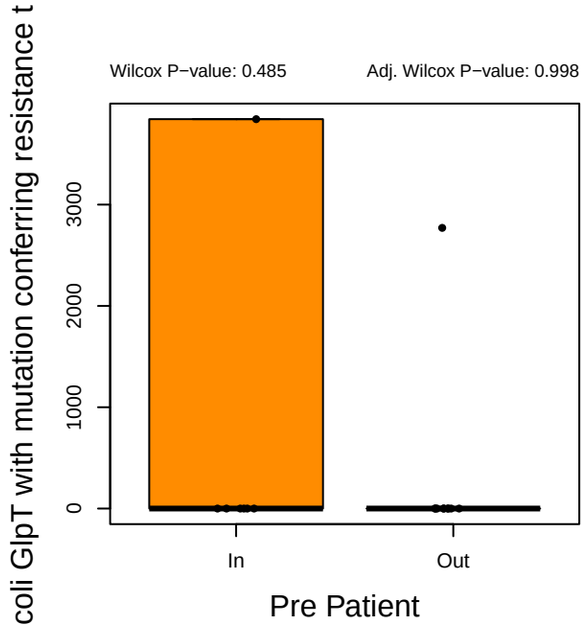

Wilcox P−value: 0.37
Adj. Wilcox P−value: 0.998
ErmB
Wilcox P−value: 0.372
Adj. Wilcox P−value: 0.998
emrR
Wilcox P−value: 0.374
Adj. Wilcox P−value: 0.998
mtrD
Wilcox P−value: 0.402
Adj. Wilcox P−value: 0.998
chrB
Wilcox P−value: 0.403
Adj. Wilcox P−value: 0.998
Wilcox P−value: 0.406
Adj. Wilcox P−value: 0.998
rsmA
Wilcox P−value: 0.417
Adj. Wilcox P−value: 0.998
PmrF
Wilcox P−value: 0.447
Adj. Wilcox P−value: 0.998
mdtC
In
Out
Pre Patient
m adolescentis rpoB mutants conferring resistar

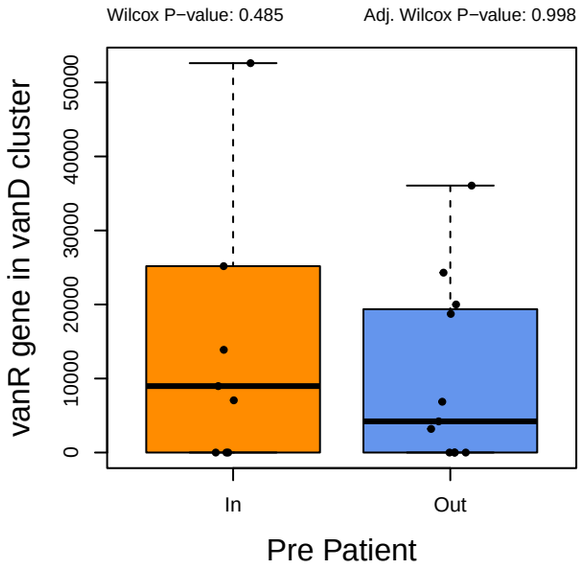

Wilcox P−value: 0.454
Adj. Wilcox P−value: 0.998
mdtP
0
2000
6000
10000
14000
In
Out
Pre Patient

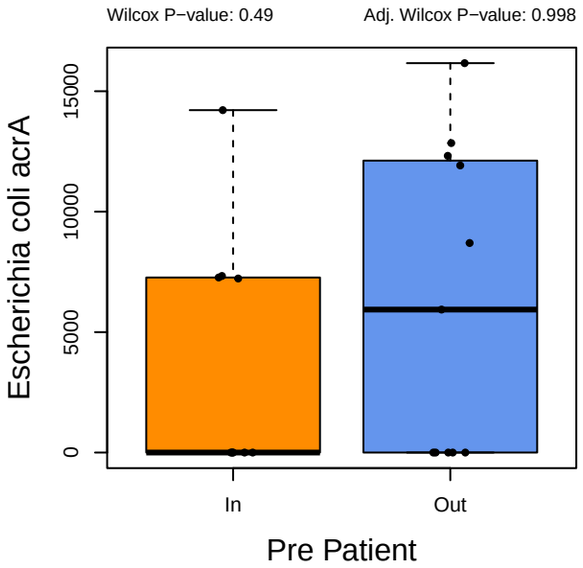

Wilcox P−value: 0.473
Adj. Wilcox P−value: 0.998
mdtF
0
5000
10000
15000
20000
In
Out
Pre Patient

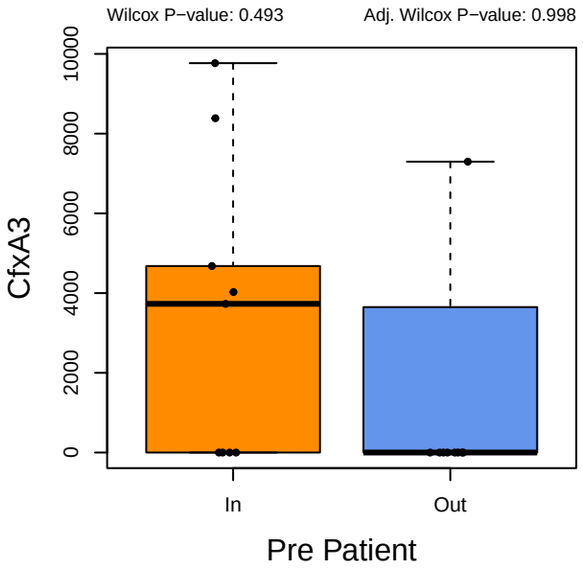

Wilcox P−value: 0.48
Adj. Wilcox P−value: 0.998
nimA
0
5000
10000
15000
20000
In
Out
Pre Patient

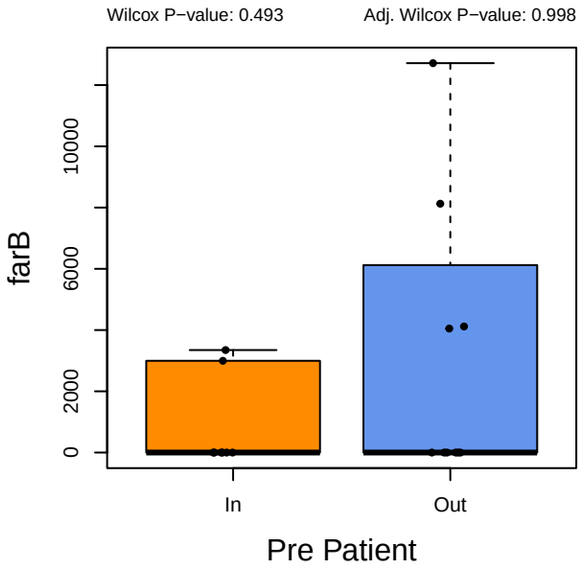

Wilcox P−value: 0.48
Adj. Wilcox P−value: 0.998
tet(W/32/O)
0
10000
20000
30000
40000
In
Out
Pre Patient

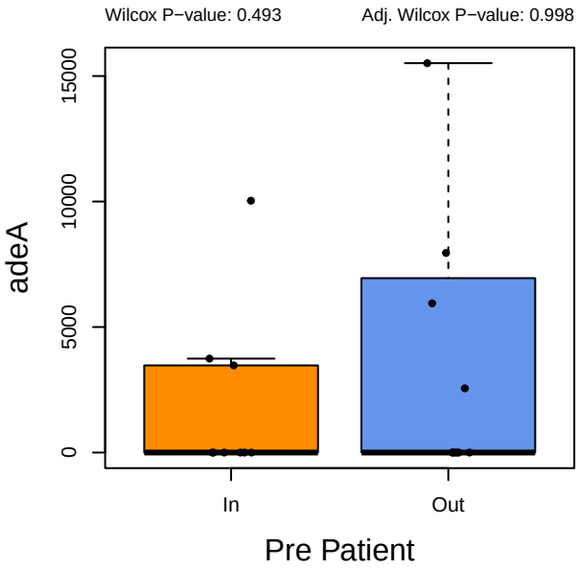

Wilcox P−value: 0.485
Adj. Wilcox P−value: 0.998
a coli GlpT with mutation conferring resistance t
0
1000
2000
3000
In
Out
Pre Patient

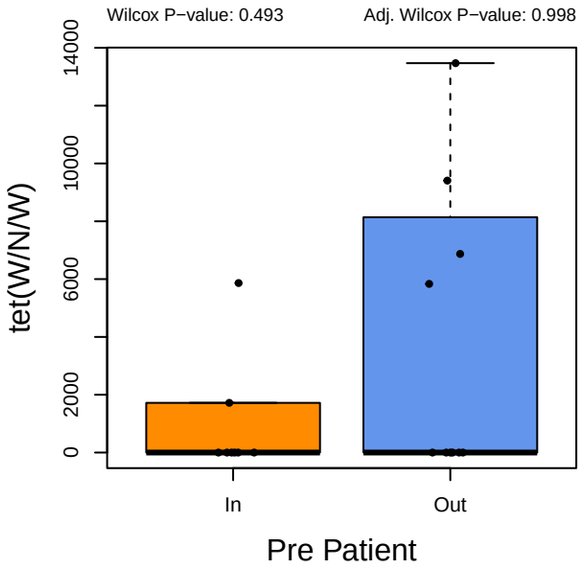

Wilcox P−value: 0.485
Adj. Wilcox P−value: 0.998
vanR gene in vanD cluster
0
10000
20000
30000
40000
50000
In
Out
Pre Patient

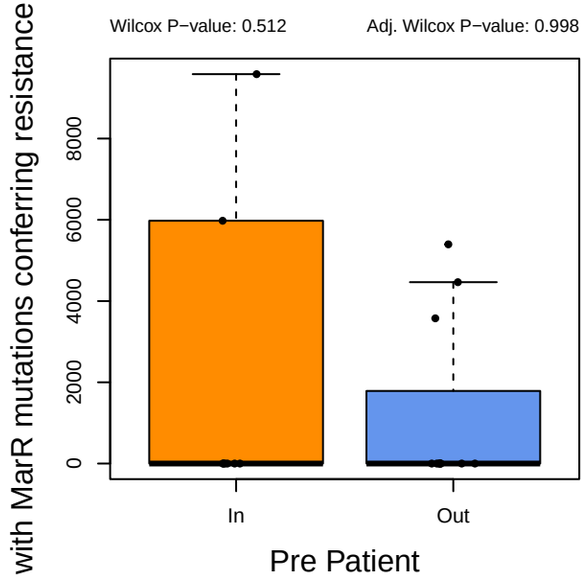

Wilcox P−value: 0.49
Adj. Wilcox P−value: 0.998
Escherichia coli acrA
0
5000
10000
15000
In
Out
Pre Patient

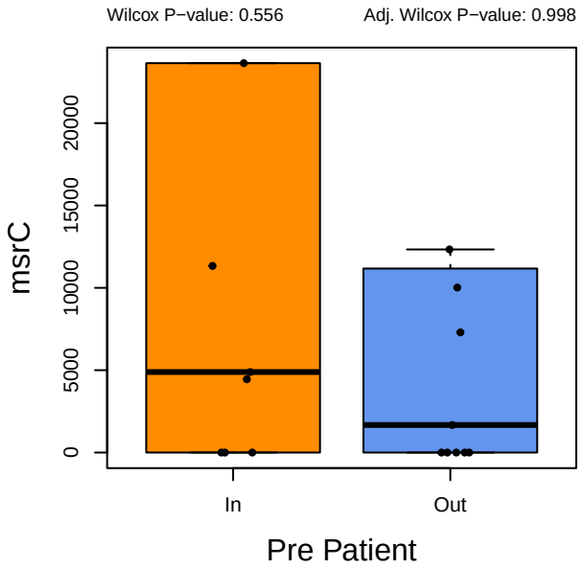

Wilcox P−value: 0.493
Adj. Wilcox P−value: 0.998
CfxA3
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

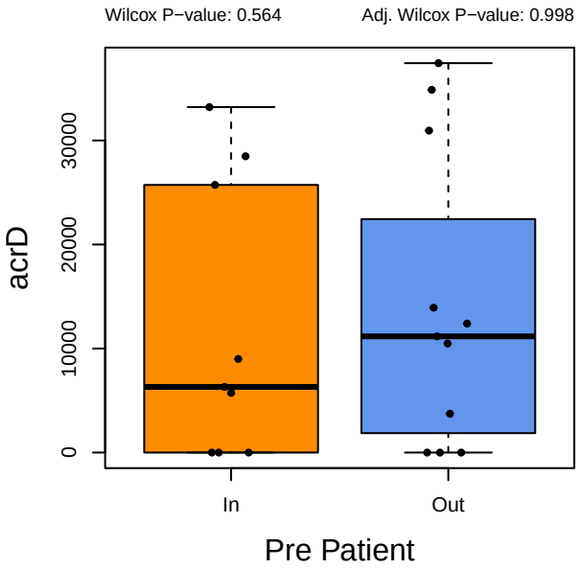

Wilcox P−value: 0.493
Adj. Wilcox P−value: 0.998
farB
0
2000
6000
10000
In
Out
Pre Patient

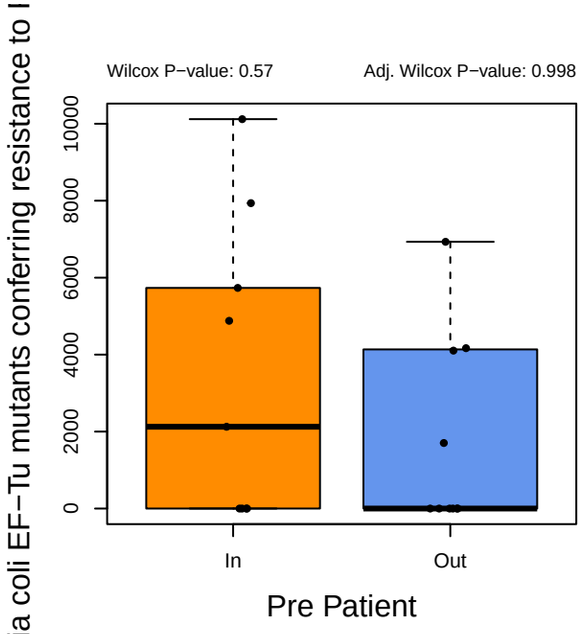

Wilcox P−value: 0.493
Adj. Wilcox P−value: 0.998
adeA
0
5000
10000
15000
In
Out
Pre Patient

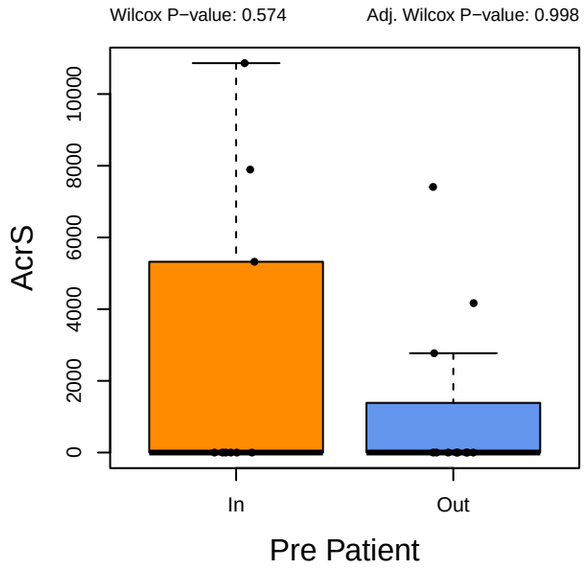

Wilcox P−value: 0.493
Adj. Wilcox P−value: 0.998
tet(W/N/W)
0
2000
6000
10000
14000
In
Out
Pre Patient

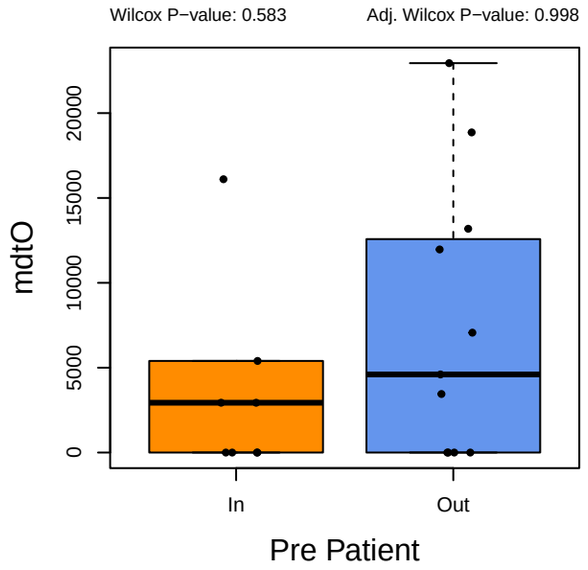

Wilcox P−value: 0.512
Adj. Wilcox P−value: 0.998
C with MarR mutations conferring resistance to
0
2000
4000
6000
8000
In
Out
Pre Patient

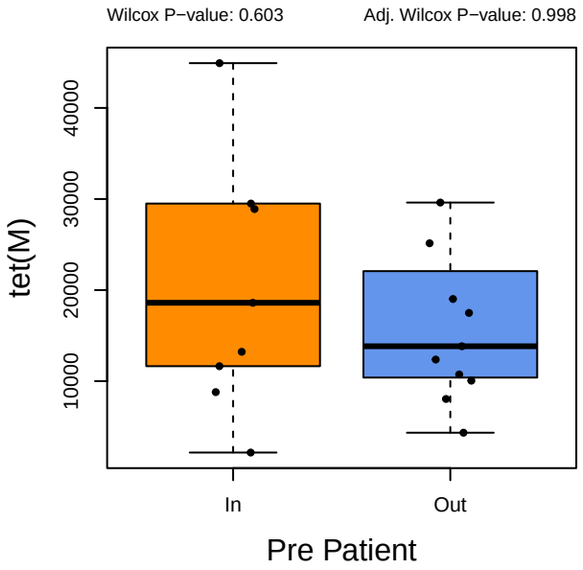

Wilcox P−value: 0.556
Adj. Wilcox P−value: 0.998
msrC
0
5000
10000
15000
20000
In
Out
Pre Patient

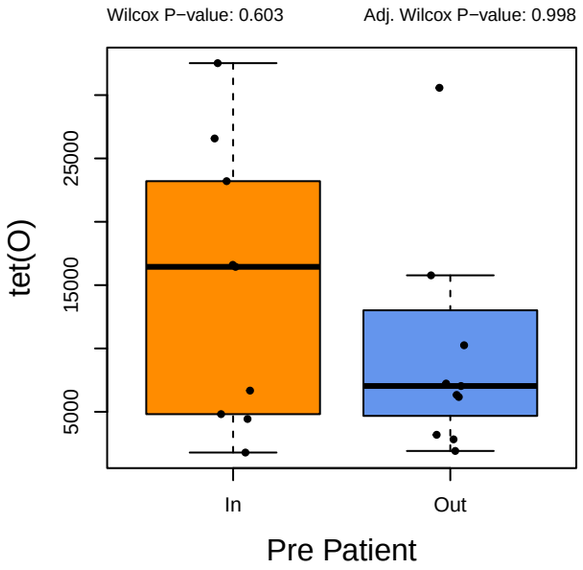

Wilcox P−value: 0.564
Adj. Wilcox P−value: 0.998
acrD
0
10000
20000
30000
In
Out
Pre Patient

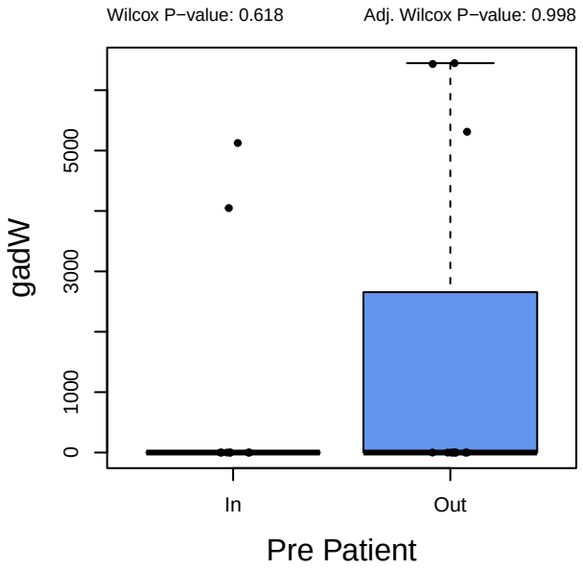

Wilcox P−value: 0.57
Adj. Wilcox P−value: 0.998
ia coli EF−Tu mutants conferring resistance to I
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

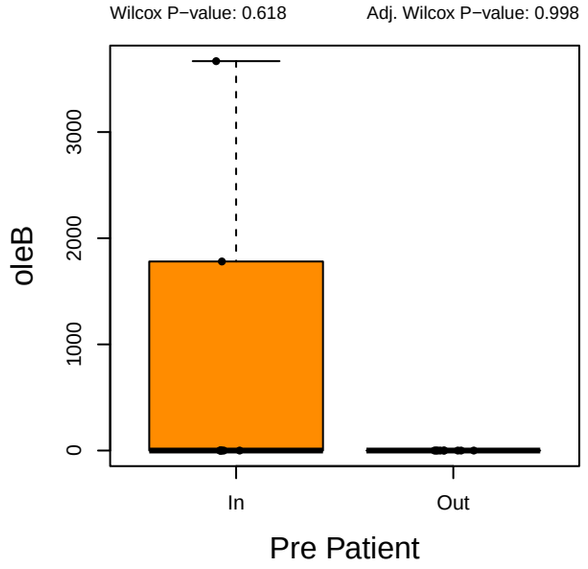

Wilcox P−value: 0.574
Adj. Wilcox P−value: 0.998
AcrS
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

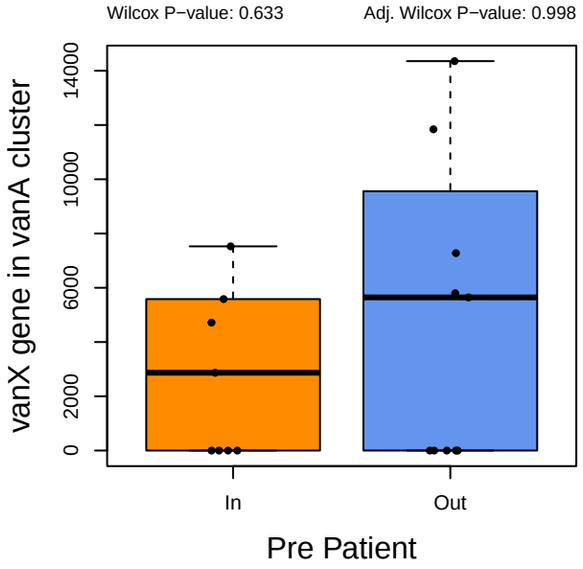

Wilcox P−value: 0.583
Adj. Wilcox P−value: 0.998
mdtO
0
5000
10000
15000
20000
In
Out
Pre Patient

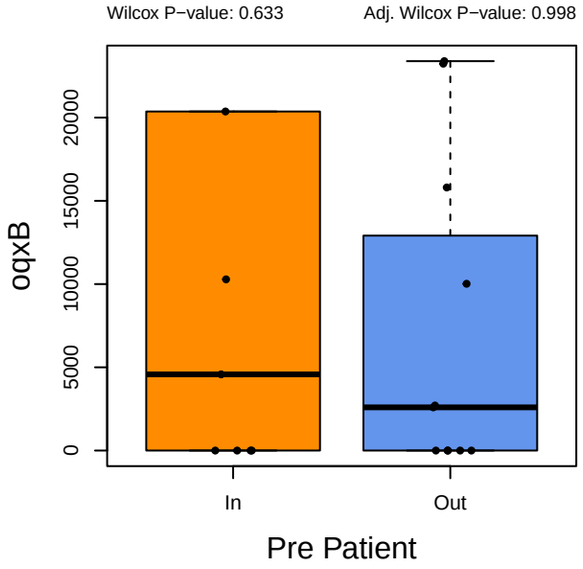

Wilcox P−value: 0.603
Adj. Wilcox P−value: 0.998
tet(M)
10000
20000
30000
40000
In
Out
Pre Patient

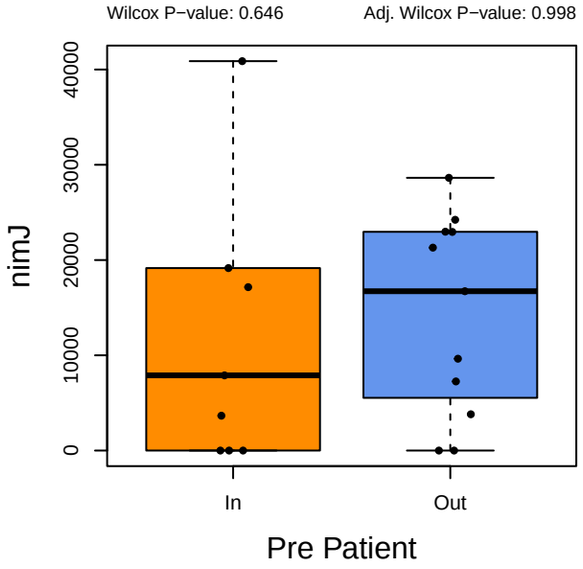

Wilcox P−value: 0.603
Adj. Wilcox P−value: 0.998
tet(O)
5000
15000
25000
In
Out
Pre Patient

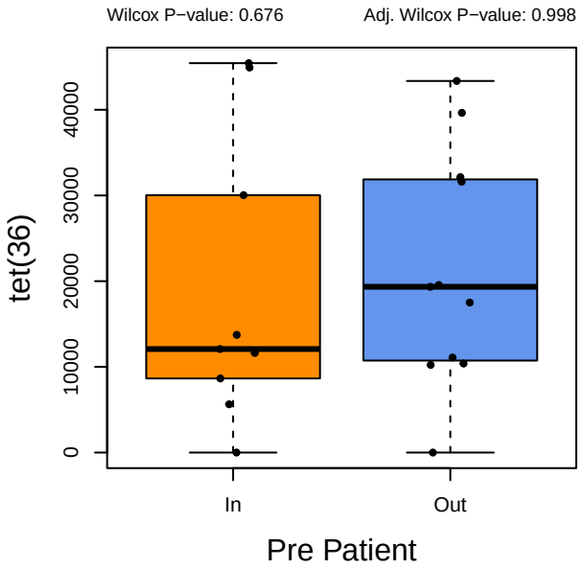

Wilcox P−value: 0.618
Adj. Wilcox P−value: 0.998
gadW
0
1000
3000
5000
In
Out
Pre Patient

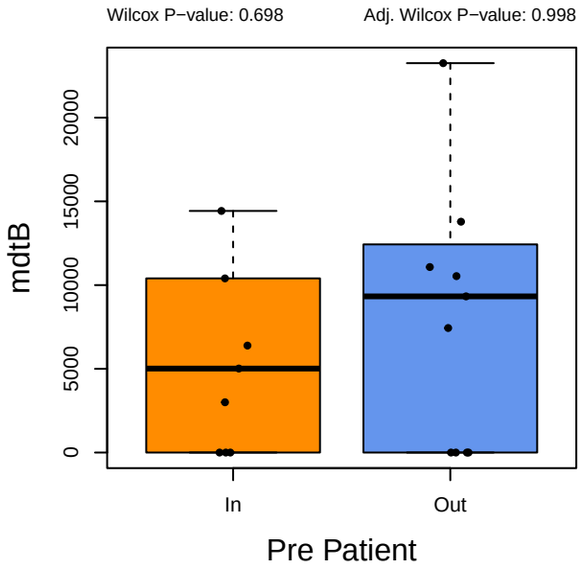

Wilcox P−value: 0.618
Adj. Wilcox P−value: 0.998
oleB
0
1000
2000
3000
In
Out
Pre Patient

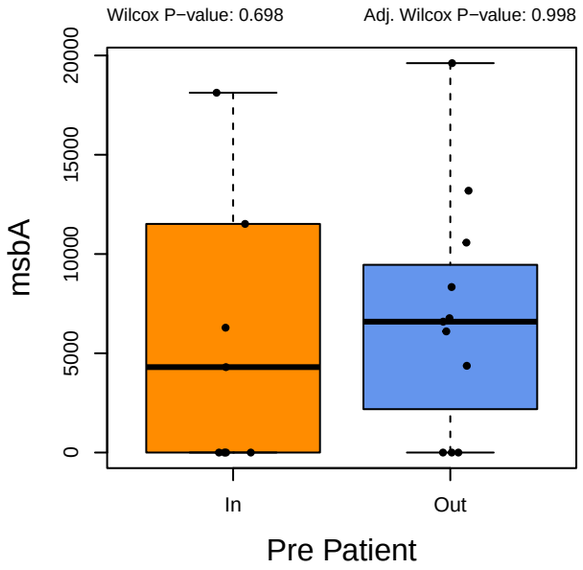

Wilcox P−value: 0.633
Adj. Wilcox P−value: 0.998
vanX gene in vanA cluster
0
2000
6000
10000
14000
In
Out
Pre Patient

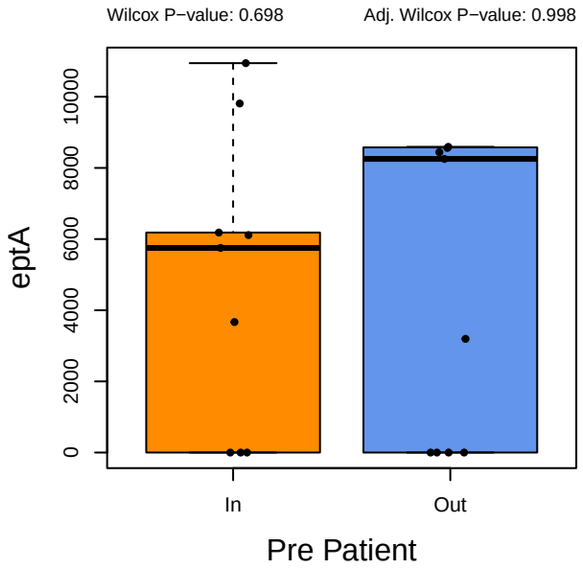

Wilcox P−value: 0.633
Adj. Wilcox P−value: 0.998
oqxB
0
5000
10000
15000
20000
In
Out
Pre Patient

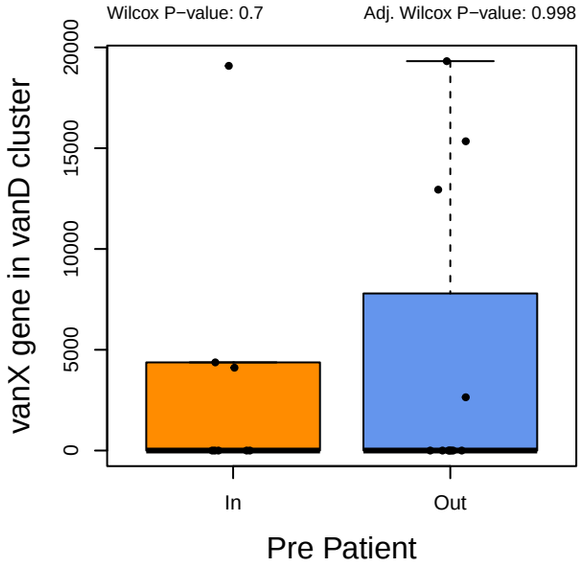

Wilcox P−value: 0.646
Adj. Wilcox P−value: 0.998
nimJ
0
10000
20000
30000
40000
In
Out
Pre Patient

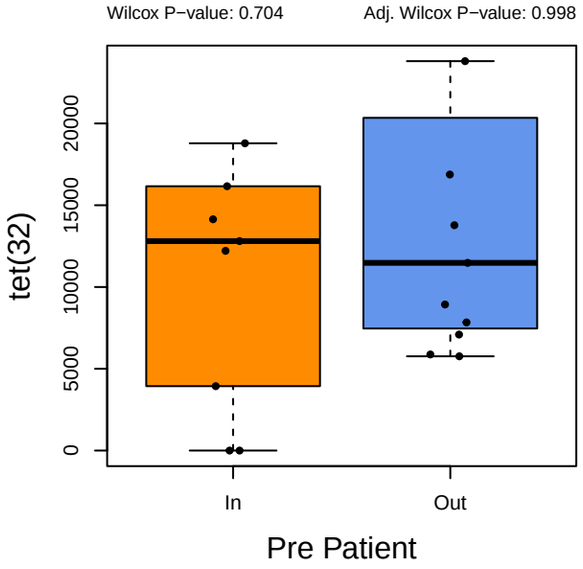

Wilcox P−value: 0.676
Adj. Wilcox P−value: 0.998
tet(36)
0
10000
20000
30000
40000
In
Out
Pre Patient

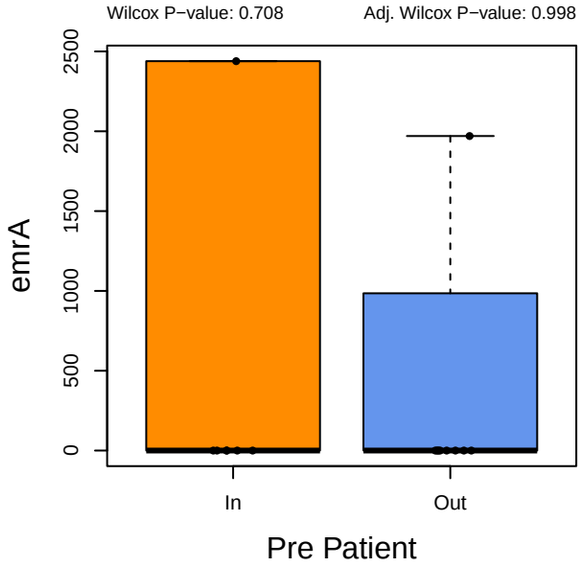

Wilcox P−value: 0.698
Adj. Wilcox P−value: 0.998
mdtB
0
5000
10000
15000
20000
In
Out
Pre Patient

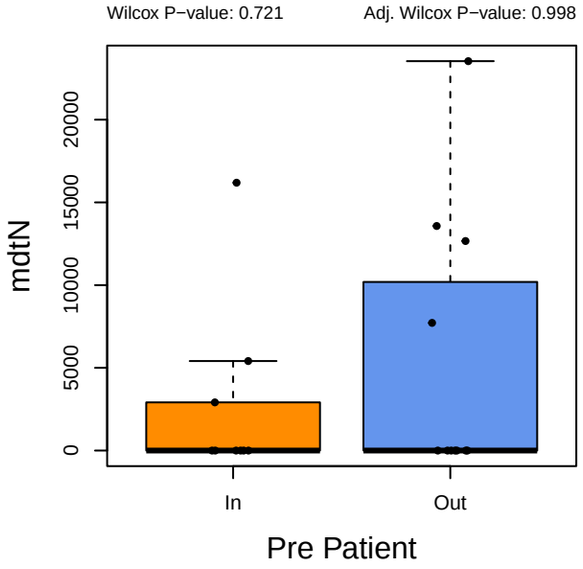

Wilcox P−value: 0.698
Adj. Wilcox P−value: 0.998
msbA
0
5000
10000
15000
20000
In
Out
Pre Patient

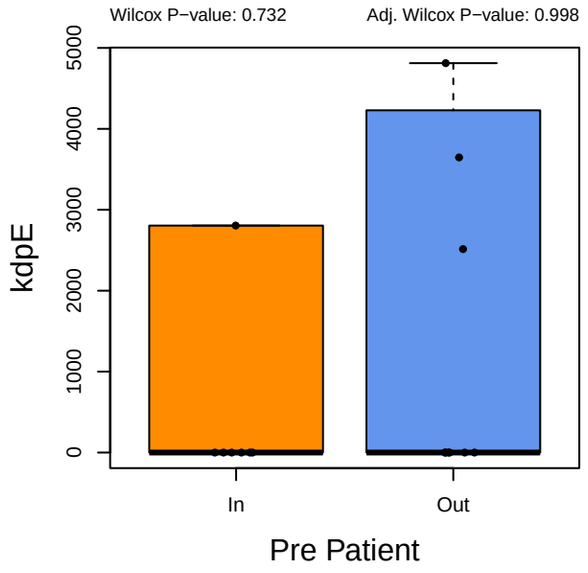

Wilcox P−value: 0.698
Adj. Wilcox P−value: 0.998
eptA
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

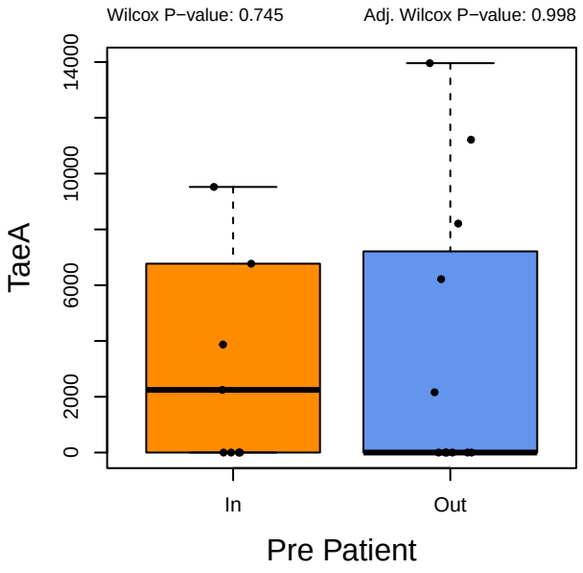

Wilcox P−value: 0.7
Adj. Wilcox P−value: 0.998
vanX gene in vanD cluster
0
5000
10000
15000
20000
In
Out
Pre Patient

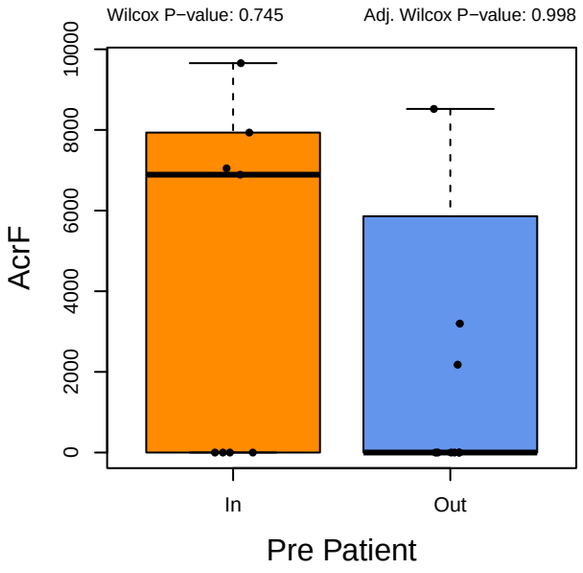

Wilcox P−value: 0.704
Adj. Wilcox P−value: 0.998
tet(32)
0
5000
10000
15000
20000
In
Out
Pre Patient

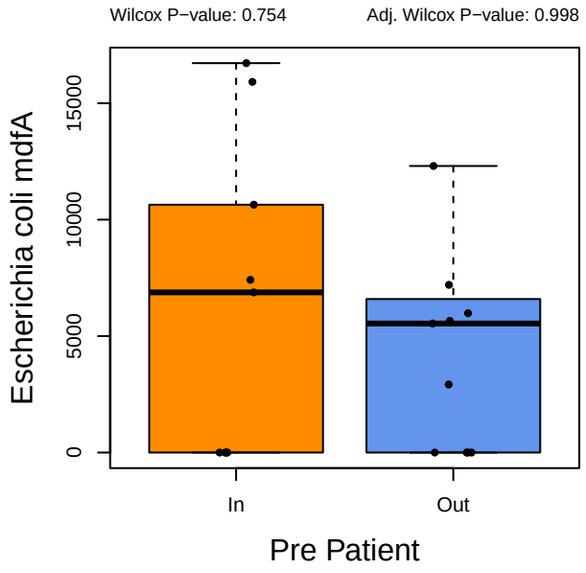

Wilcox P−value: 0.708
Adj. Wilcox P−value: 0.998
emrA
0
500
1000
1500
2000
2500
In
Out
Pre Patient

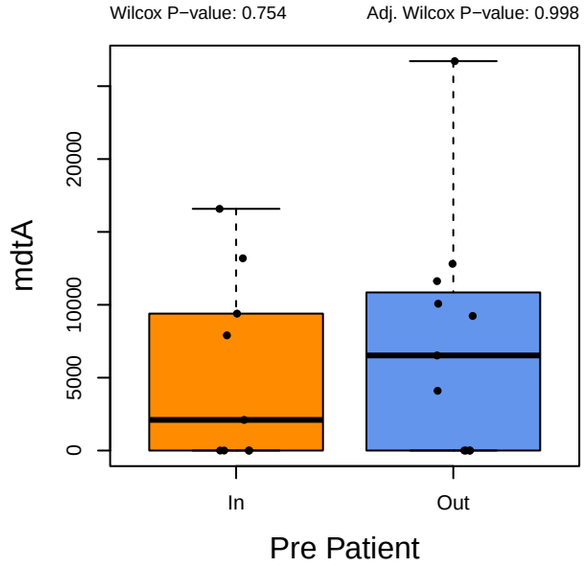

Wilcox P−value: 0.721
Adj. Wilcox P−value: 0.998
mdtN
0
5000
10000
15000
20000
In
Out
Pre Patient

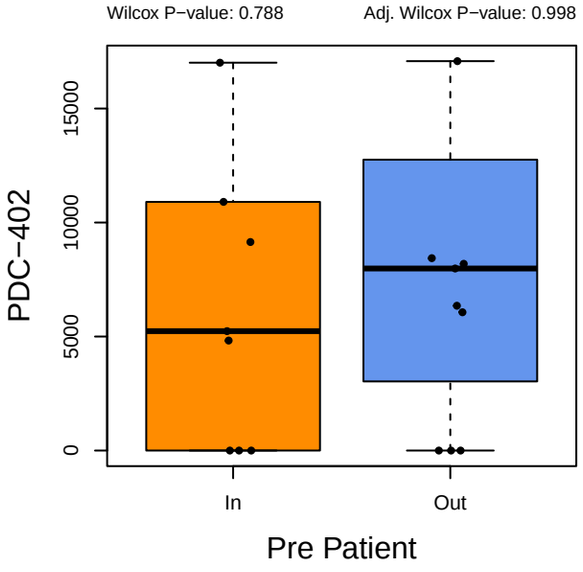

Wilcox P−value: 0.732
Adj. Wilcox P−value: 0.998
kdpE
0
1000
2000
3000
4000
5000
In
Out
Pre Patient

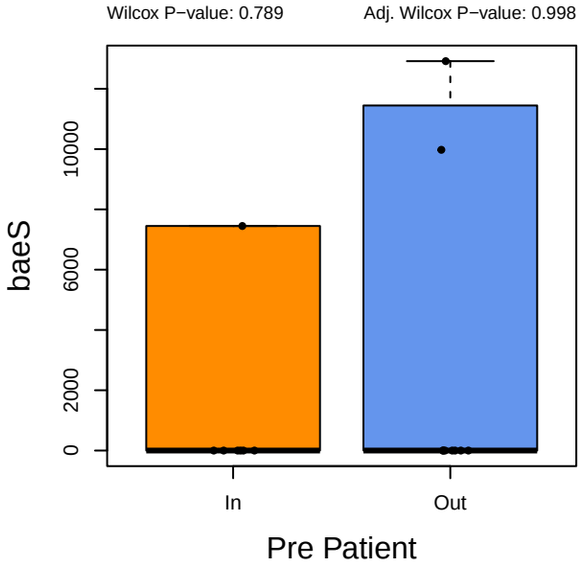

Wilcox P−value: 0.745
Adj. Wilcox P−value: 0.998
TaeA
0
2000
6000
10000
14000
In
Out
Pre Patient

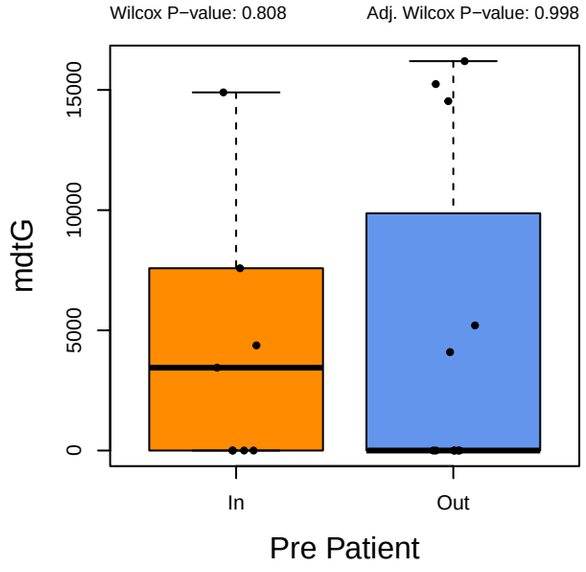

Wilcox P−value: 0.745
Adj. Wilcox P−value: 0.998
AcrF
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

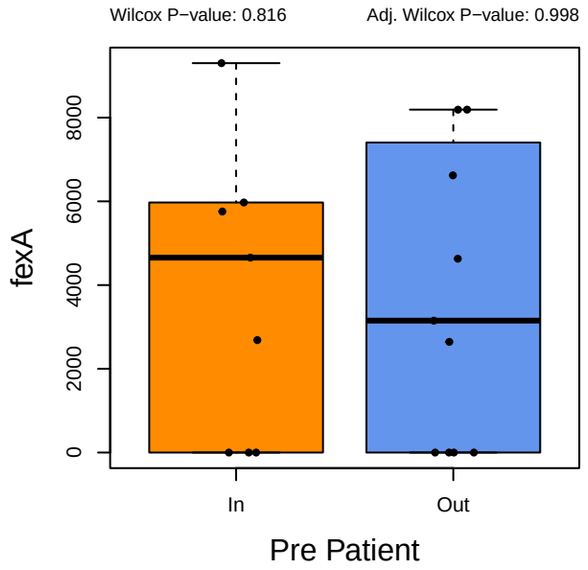

Wilcox P−value: 0.754
Adj. Wilcox P−value: 0.998
Escherichia coli mdfA
0
5000
10000
15000
In
Out
Pre Patient

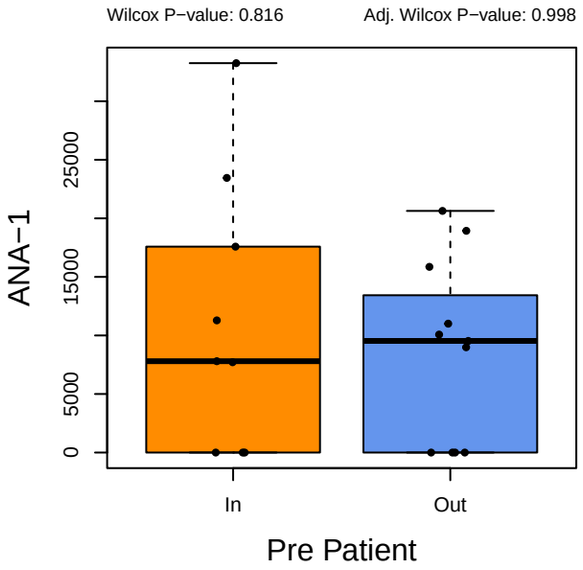

Wilcox P−value: 0.754
Adj. Wilcox P−value: 0.998
mdtA
0
5000
10000
20000
In
Out
Pre Patient

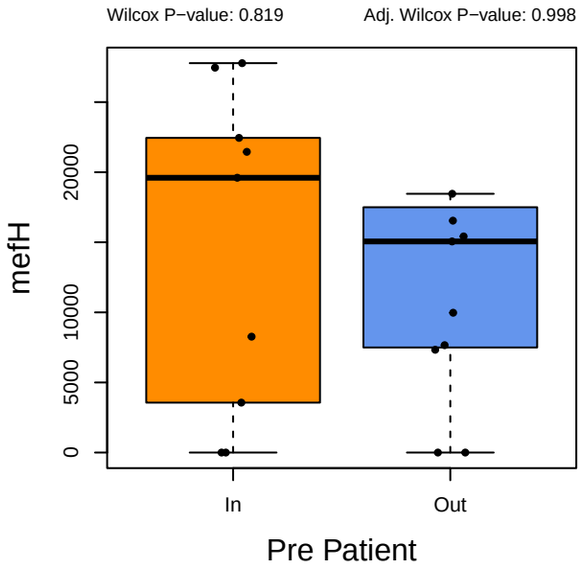

Wilcox P−value: 0.788
Adj. Wilcox P−value: 0.998
PDC−402
0
5000
10000
15000
In
Out
Pre Patient

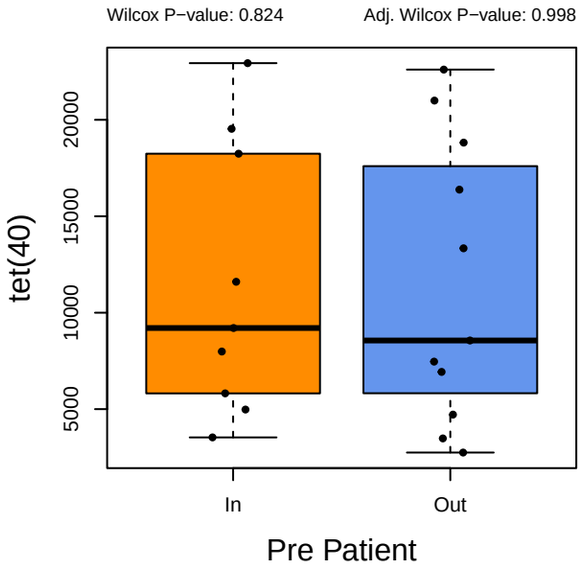

Wilcox P−value: 0.789
Adj. Wilcox P−value: 0.998
baeS
0
2000
6000
10000
In
Out
Pre Patient

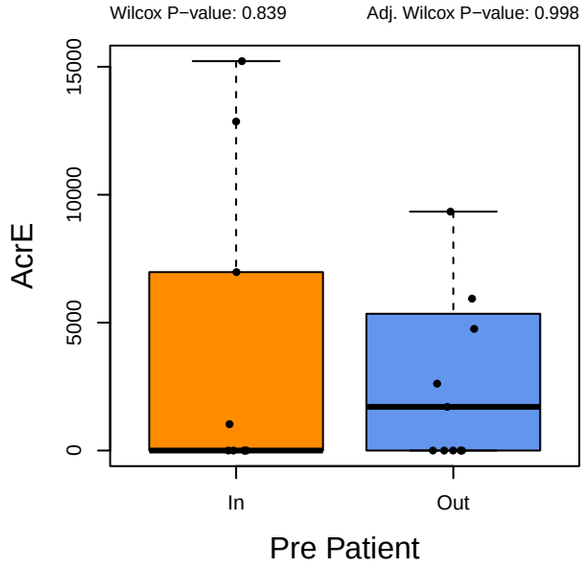

Wilcox P−value: 0.808
Adj. Wilcox P−value: 0.998
mdtG
0
5000
10000
15000
In
Out
Pre Patient

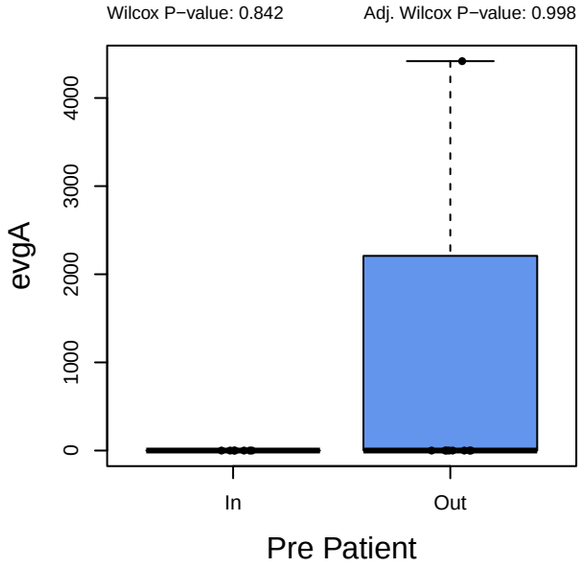

Wilcox P−value: 0.816
Adj. Wilcox P−value: 0.998
fexA
0
2000
4000
6000
8000
In
Out
Pre Patient

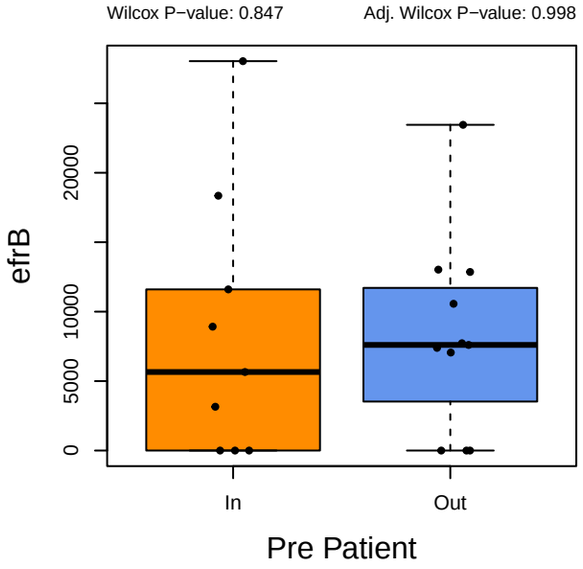

Wilcox P−value: 0.816
Adj. Wilcox P−value: 0.998
ANA−1
0
5000
15000
25000
In
Out
Pre Patient

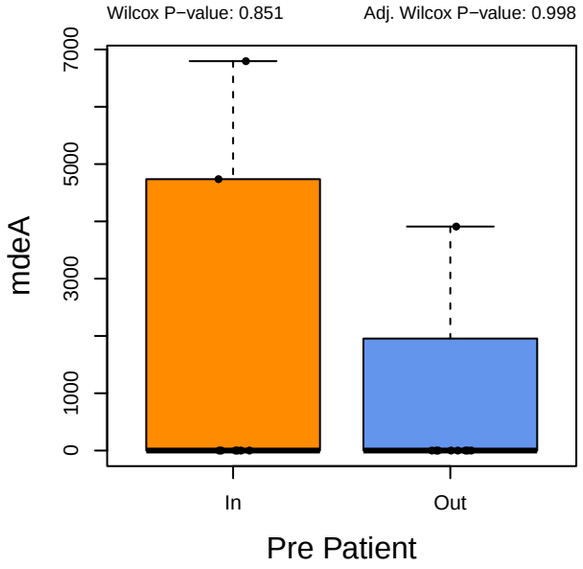

Wilcox P−value: 0.819
Adj. Wilcox P−value: 0.998
mefH
0
5000
10000
20000
In
Out
Pre Patient

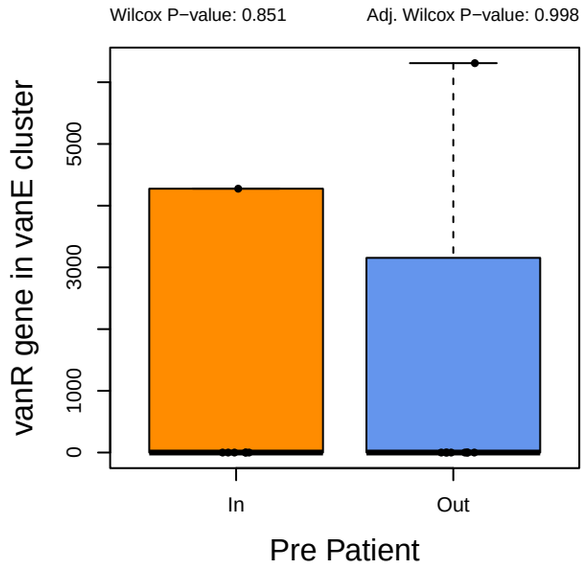

Wilcox P−value: 0.824
Adj. Wilcox P−value: 0.998
tet(40)
5000
10000
15000
20000
In
Out
Pre Patient

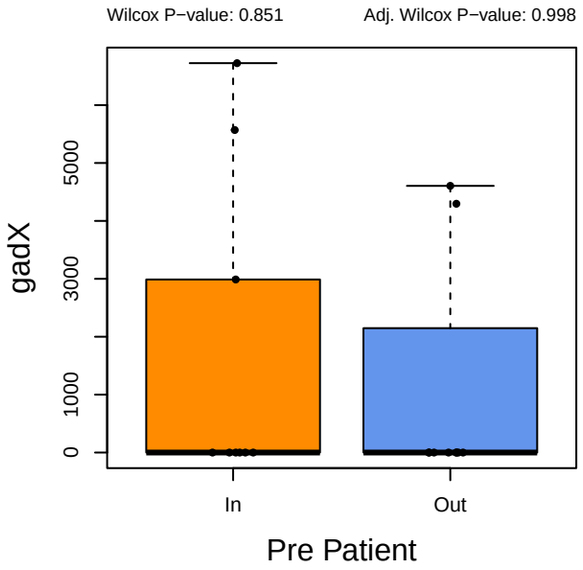

Wilcox P−value: 0.839
Adj. Wilcox P−value: 0.998
AcrE
0
5000
10000
15000
In
Out
Pre Patient

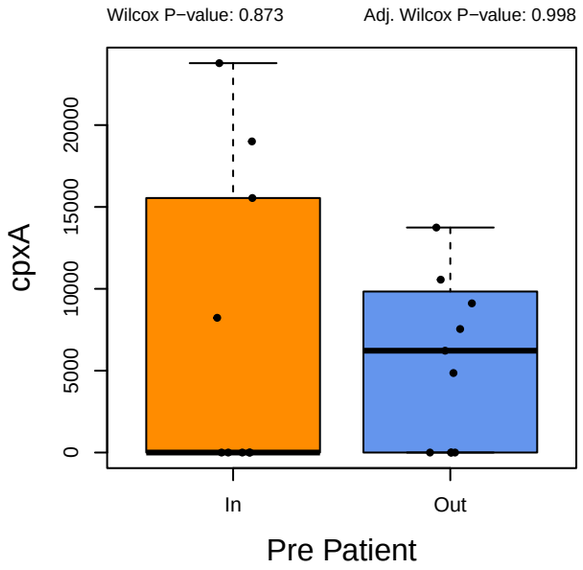

Wilcox P−value: 0.842
Adj. Wilcox P−value: 0.998
evgA
0
1000
2000
3000
4000
In
Out
Pre Patient

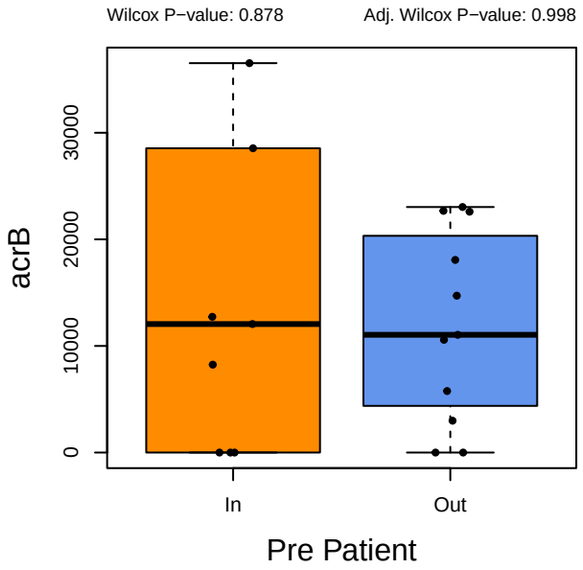

Wilcox P−value: 0.847
Adj. Wilcox P−value: 0.998
efrB
0
5000
10000
20000
In
Out
Pre Patient

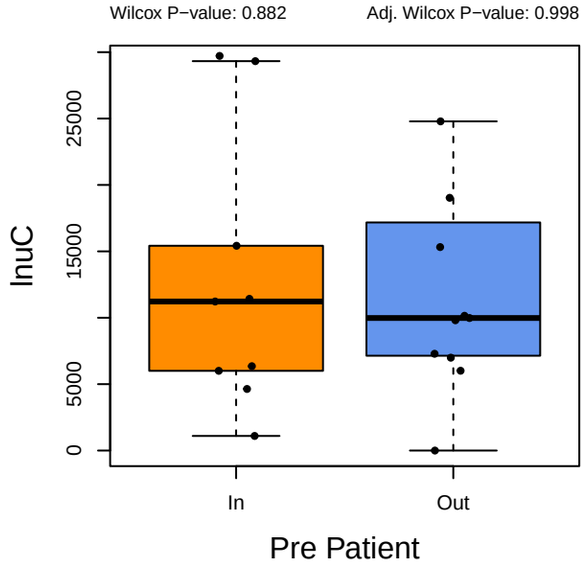

Wilcox P−value: 0.851
Adj. Wilcox P−value: 0.998
mdeA
0
1000
3000
5000
7000
In
Out
Pre Patient

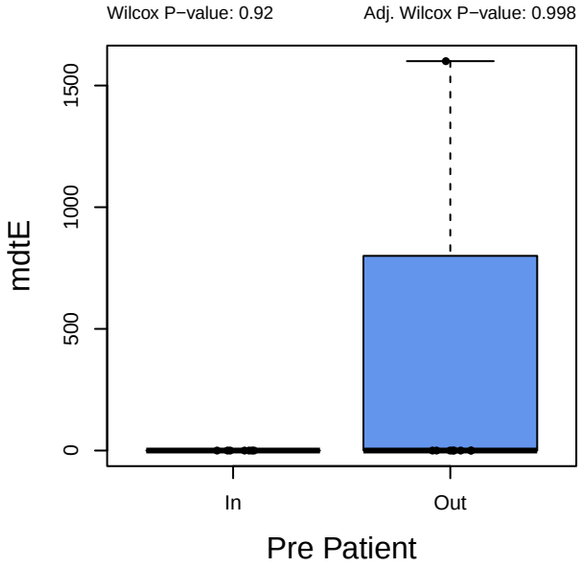

Wilcox P−value: 0.851
Adj. Wilcox P−value: 0.998
vanR gene in vanE cluster
0
1000
3000
5000
In
Out
Pre Patient

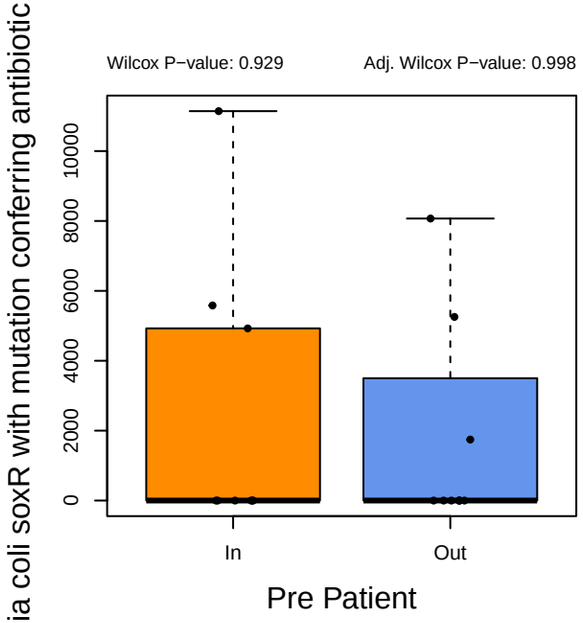

Wilcox P−value: 0.851
Adj. Wilcox P−value: 0.998
gadX
0
1000
3000
5000
In
Out
Pre Patient

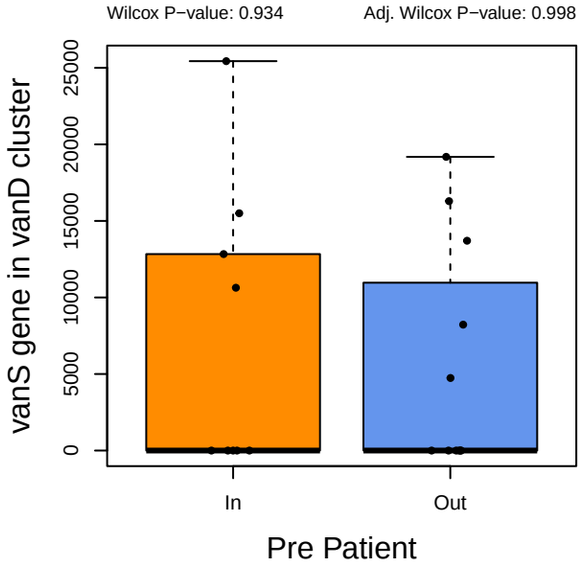

Wilcox P−value: 0.873
Adj. Wilcox P−value: 0.998
cpxA
0
5000
10000
15000
20000
In
Out
Pre Patient

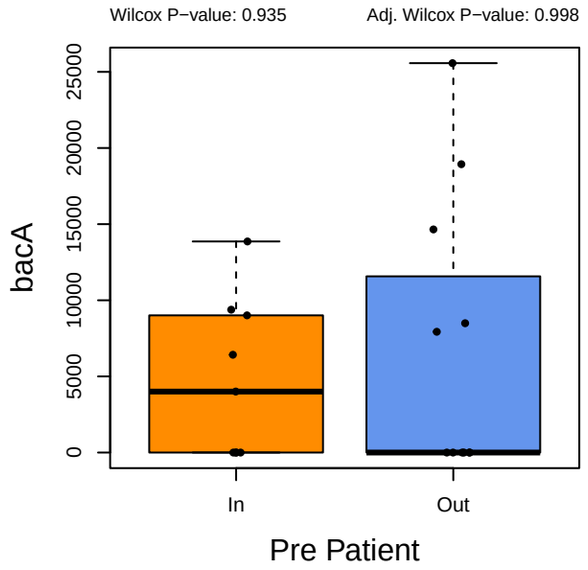

Wilcox P−value: 0.878
Adj. Wilcox P−value: 0.998
acrB
0
10000
20000
30000
In
Out
Pre Patient

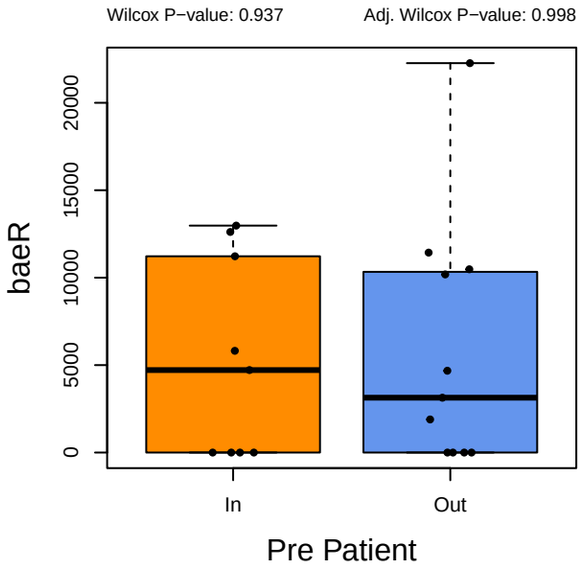

Wilcox P−value: 0.882
Adj. Wilcox P−value: 0.998
lnuC
0
5000
15000
25000
In
Out
Pre Patient

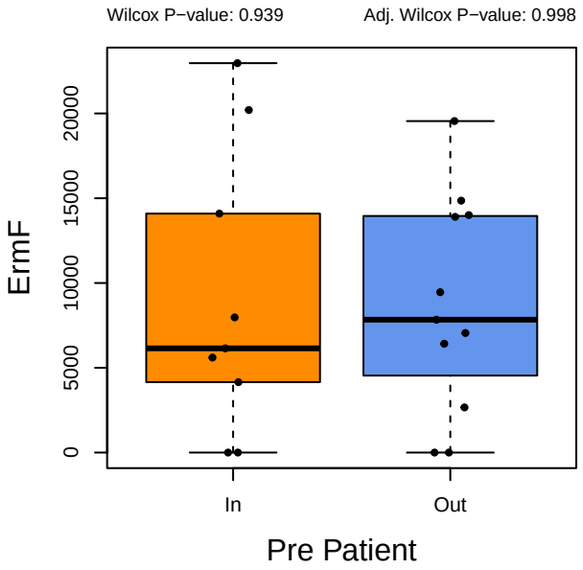

Wilcox P−value: 0.92
Adj. Wilcox P−value: 0.998
mdtE
0
500
1000
1500
In
Out
Pre Patient

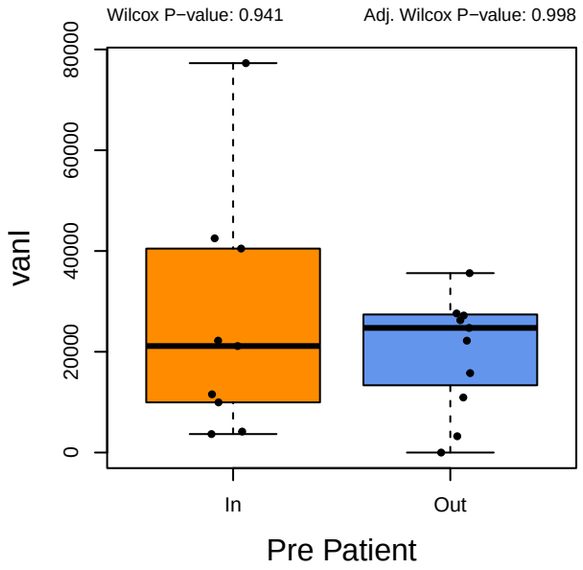

Wilcox P−value: 0.929
Adj. Wilcox P−value: 0.998
hia coli soxR with mutation conferring antibiotic
0
2000
4000
6000
8000
10000
In
Out
Pre Patient

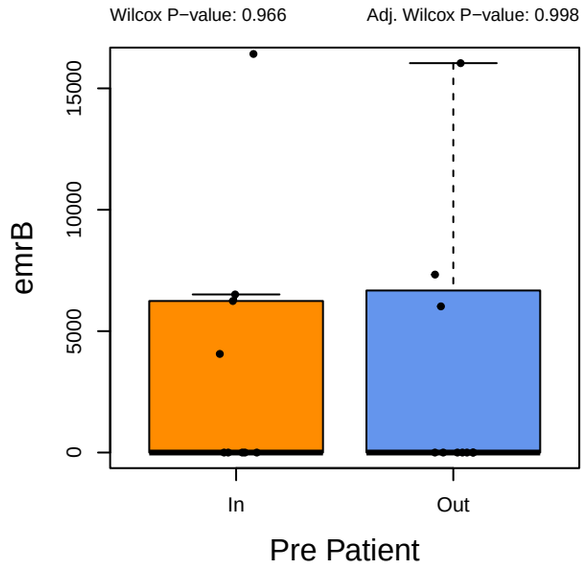

Wilcox P−value: 0.934
Adj. Wilcox P−value: 0.998
vanS gene in vanD cluster
0
5000
10000
15000
20000
25000
In
Out
Pre Patient

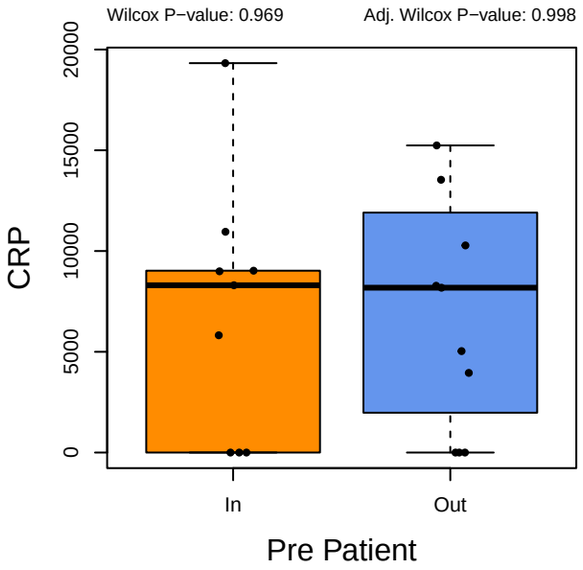

Wilcox P−value: 0.935
Adj. Wilcox P−value: 0.998
bacA
0
5000
10000
15000
20000
25000
In
Out
Pre Patient

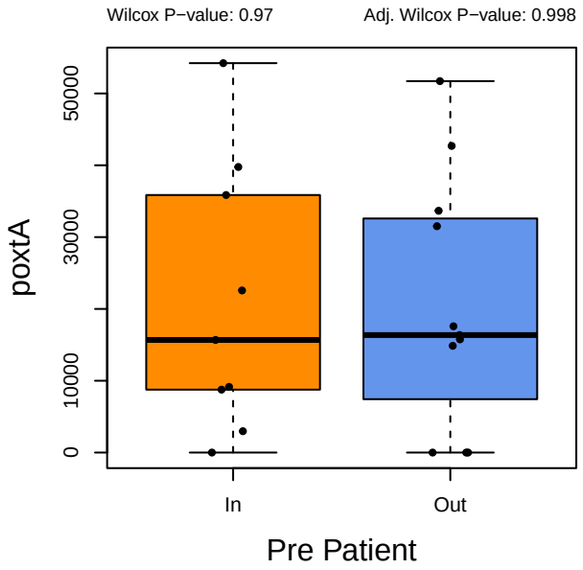

Wilcox P−value: 0.937
Adj. Wilcox P−value: 0.998
baeR
0
5000
10000
15000
20000
In
Out
Pre Patient

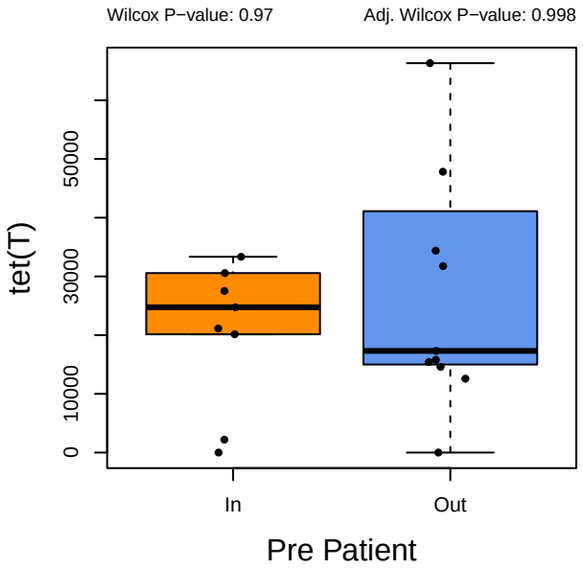

Wilcox P−value: 0.939
Adj. Wilcox P−value: 0.998
ErmF
0
5000
10000
15000
20000
In
Out
Pre Patient

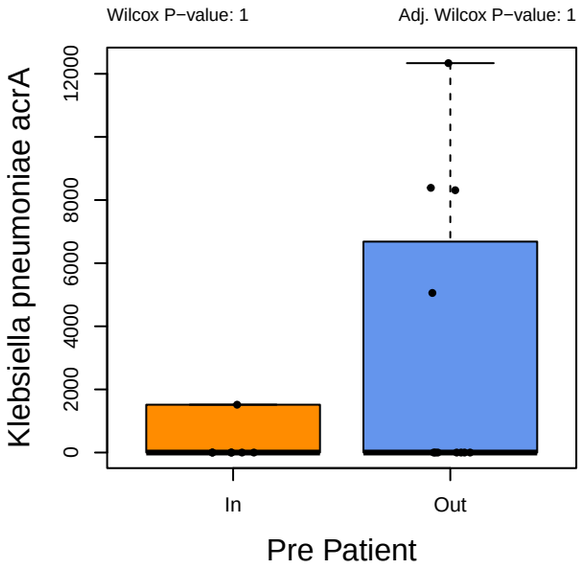

Wilcox P−value: 0.941
Adj. Wilcox P−value: 0.998
vanI
0
20000
40000
60000
80000
In
Out
Pre Patient

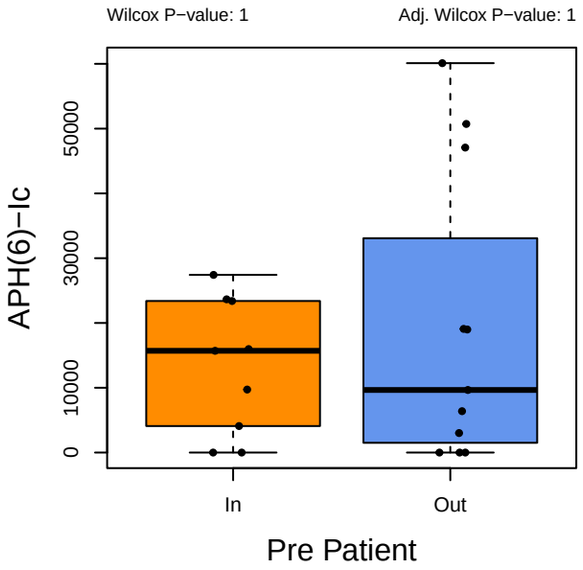

Wilcox P−value: 0.966
Adj. Wilcox P−value: 0.998
emrB
0
5000
10000
15000
In
Out
Pre Patient

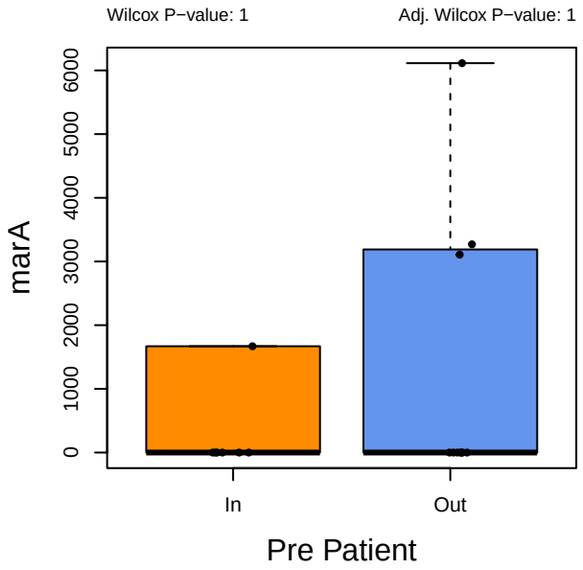

Wilcox P−value: 0.969
Adj. Wilcox P−value: 0.998
CRP
0
5000
10000
15000
20000
In
Out
Pre Patient


Wilcox P−value: 0.97
Adj. Wilcox P−value: 0.998
poxtA
0
10000
30000
50000
In
Out
Pre Patient


Wilcox P−value: 0.97
Adj. Wilcox P−value: 0.998
tet(T)
0
10000
30000
50000
In
Out
Pre Patient


Wilcox P−value: 1
Adj. Wilcox P−value: 1
Klebsiella pneumoniae acrA
0
2000
4000
6000
8000
12000
In
Out
Pre Patient


Wilcox P−value: 1
Adj. Wilcox P−value: 1
APH(6)−Ic
0
10000
30000
50000
In
Out
Pre Patient


Wilcox P−value: 1
Adj. Wilcox P−value: 1
marA
0
1000
2000
3000
4000
5000
6000
In
Out
Pre Patient