Figure S1

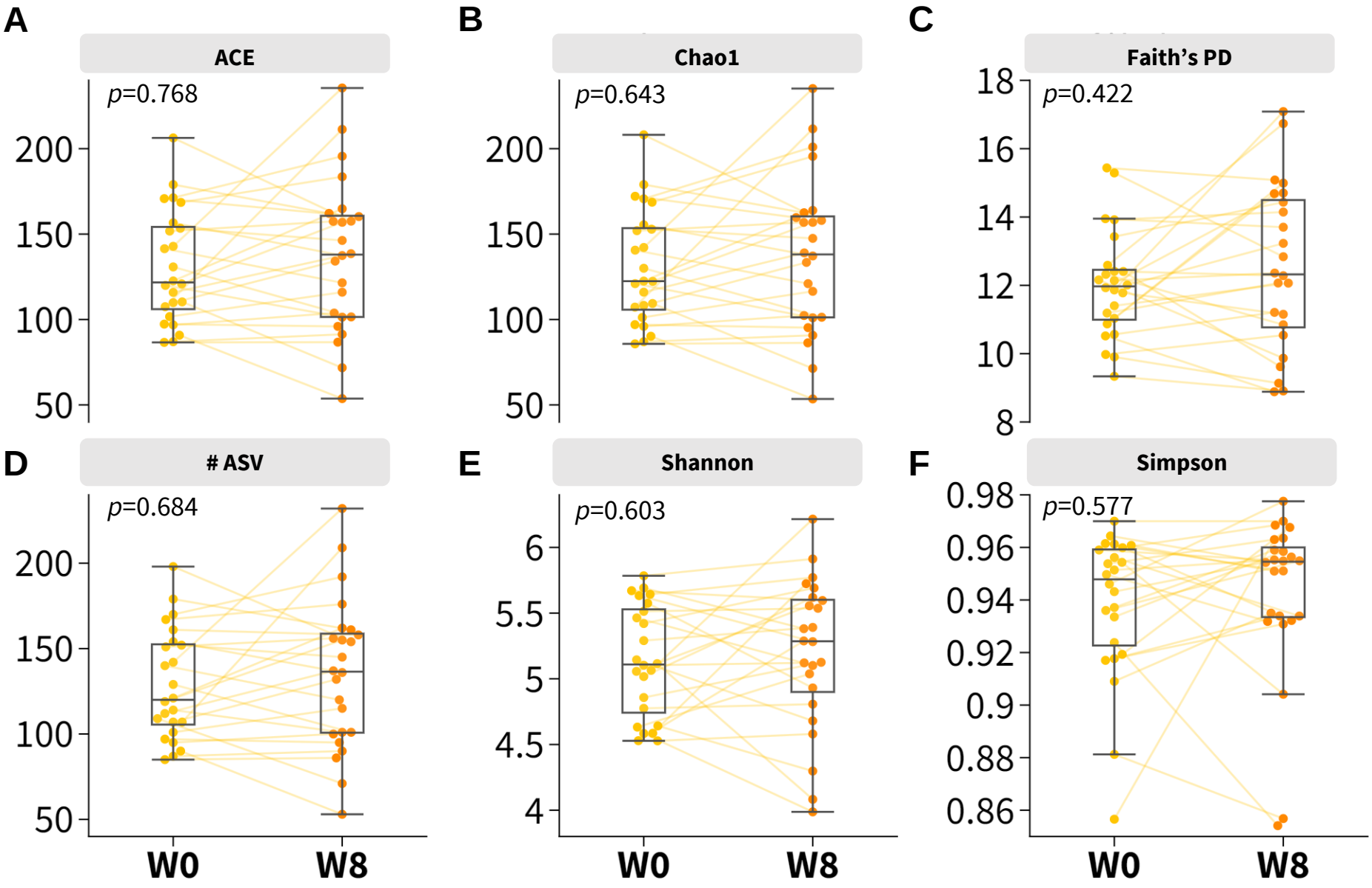

A
ACE
p=0.768
200
150
100
50
B
Chao1
p=0.643
200
150
100
50
C
Faith's PD
p=0.422
18
16
14
12
10
8
D
# ASV
p=0.684
200
150
100
50
W0
W8
E
Shannon
p=0.603
6
5.5
5
4.5
4
W0
W8
F
Simpson
p=0.577
0.98
0.96
0.94
0.92
0.9
0.88
0.86
W0
W8

Figure S2

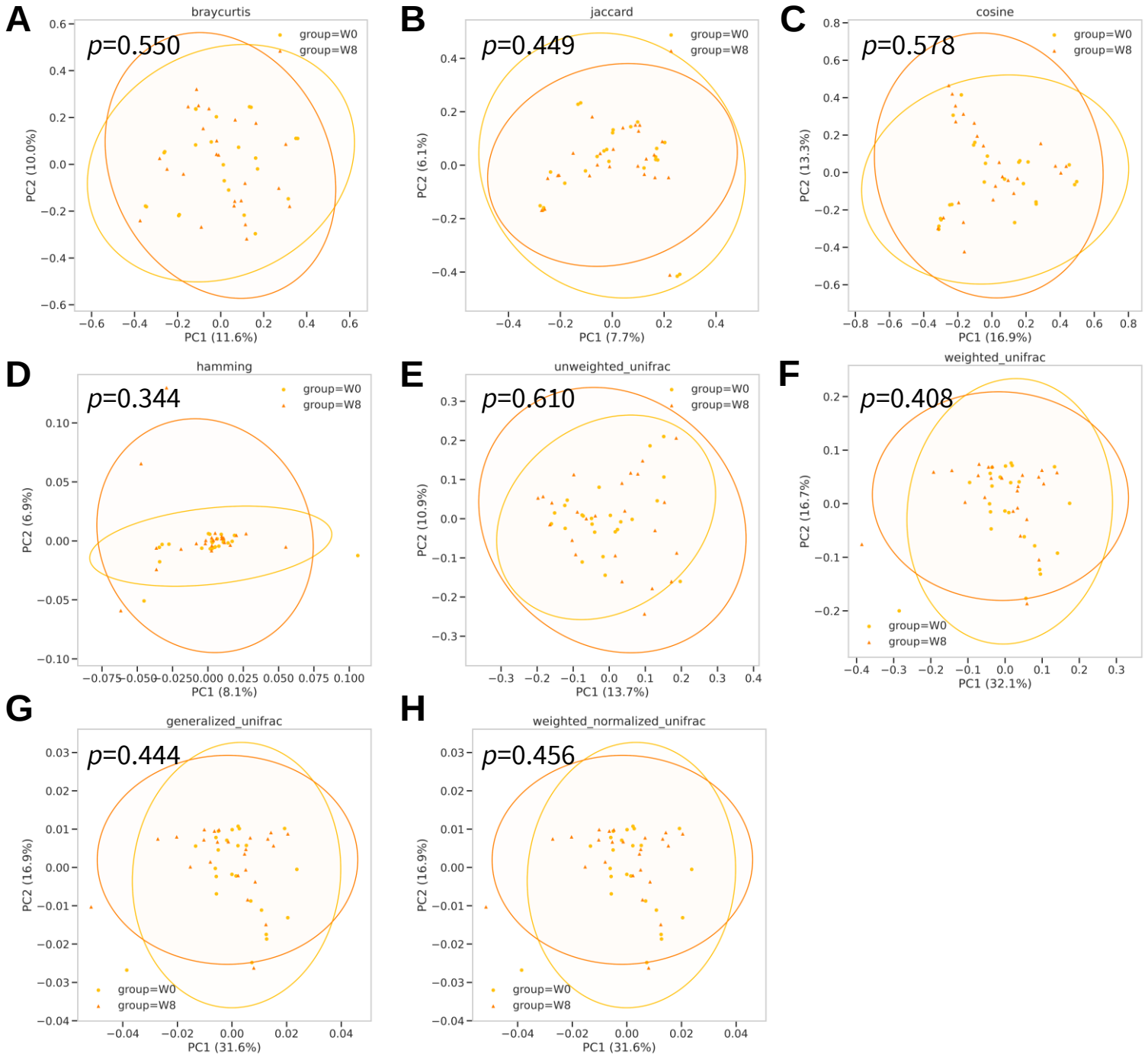

A
braycurtis
p=0.550
group=W0
group=W8
PC2 (10.0%)
PC1 (11.6%)
B
jaccard
p=0.449
group=W0
group=W8
PC2 (6.1%)
PC1 (7.7%)
C
cosine
p=0.578
group=W0
group=W8
PC2 (13.3%)
PC1 (16.9%)
D
hamming
p=0.344
group=W0
group=W8
PC2 (6.9%)
PC1 (8.1%)
E
unweighted_unifrac
p=0.610
group=W0
group=W8
PC2 (10.9%)
PC1 (13.7%)
F
weighted_unifrac
p=0.408
group=W0
group=W8
PC2 (16.7%)
PC1 (32.1%)
G
generalized_unifrac
p=0.444
group=W0
group=W8
PC2 (16.9%)
PC1 (31.6%)
H
weighted_normalized_unifrac
p=0.456
group=W0
group=W8
PC2 (16.9%)
PC1 (31.6%)

Figure S3

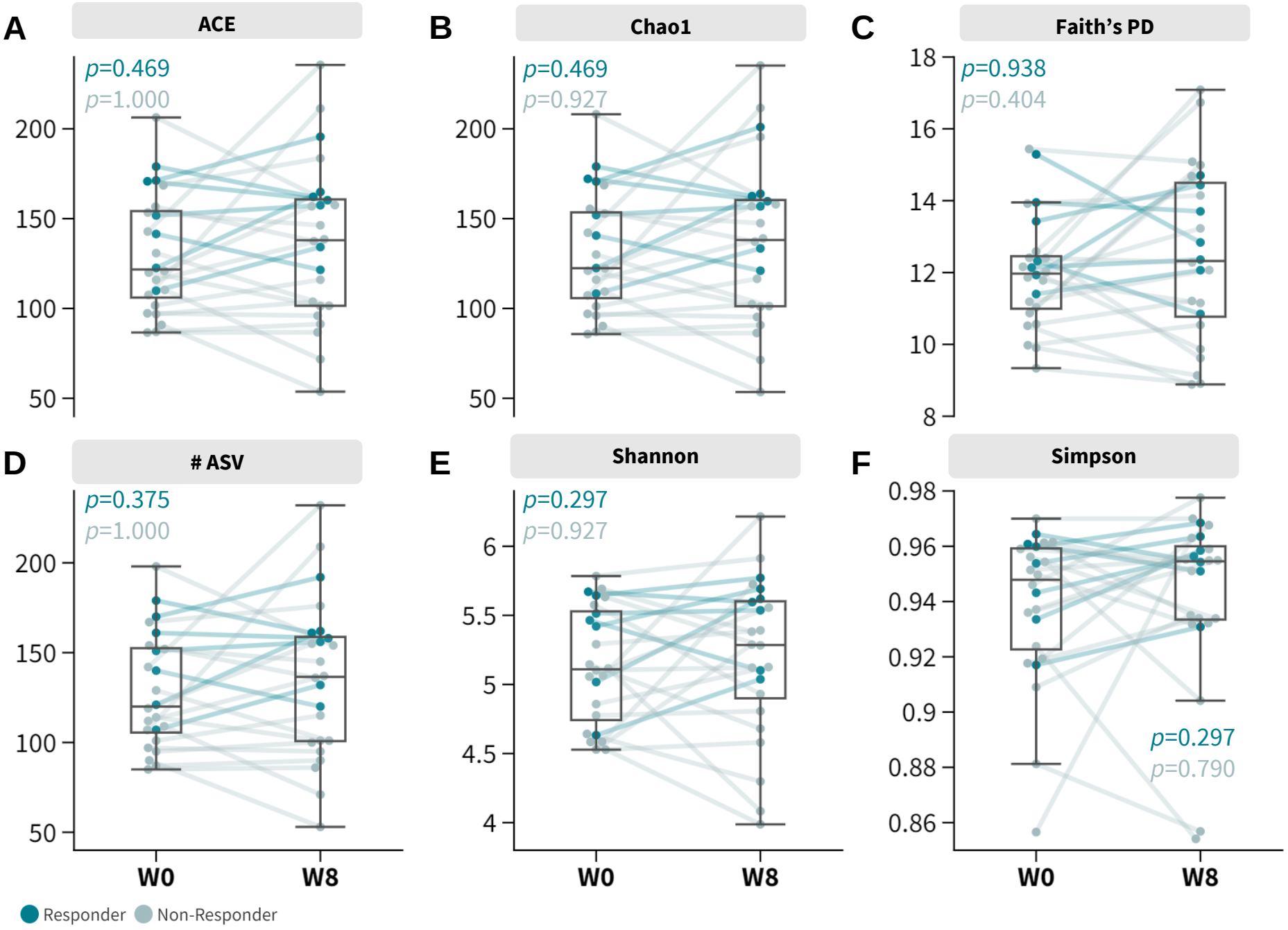

A
ACE
p=0.469
p=1.000
B
Chao1
p=0.469
p=0.927
C
Faith's PD
p=0.938
p=0.404
D
# ASV
p=0.375
p=1.000
E
Shannon
p=0.297
p=0.927
F
Simpson
p=0.297
p=0.790
W0
W8
Responder
Non-Responder

Figure S4

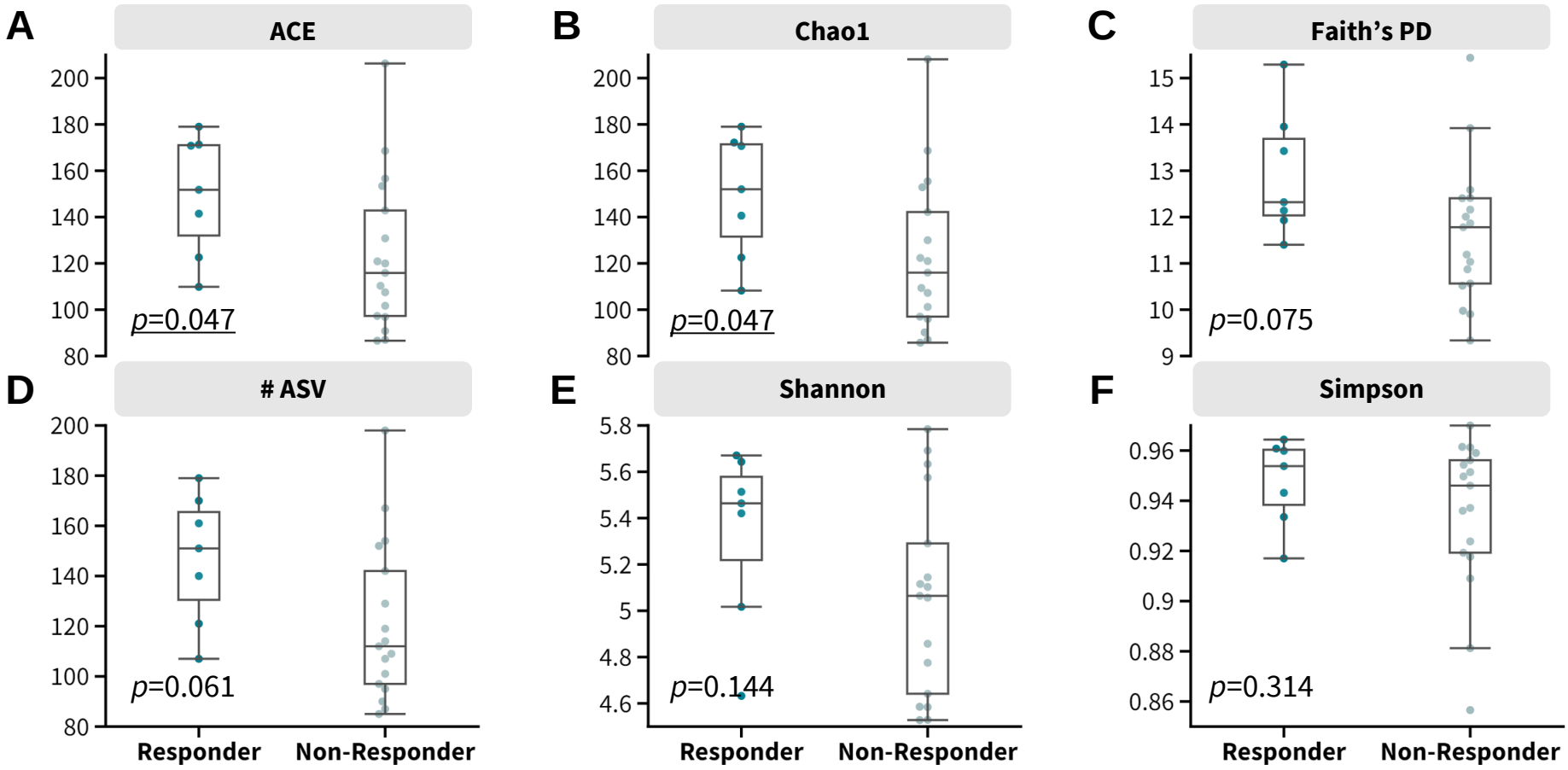

A
ACE
200
180
160
140
120
100
80
p=0.047
B
Chao1
200
180
160
140
120
100
80
p=0.047
C
Faith's PD
15
14
13
12
11
10
9
p=0.075
D
ASV
200
180
160
140
120
100
80
p=0.061
Responder
Non-Responder
E
Shannon
5.8
5.6
5.4
5.2
5
4.8
4.6
p=0.144
Responder
Non-Responder
F
Simpson
0.96
0.94
0.92
0.9
0.88
0.86
p=0.314
Responder
Non-Responder

Figure S5

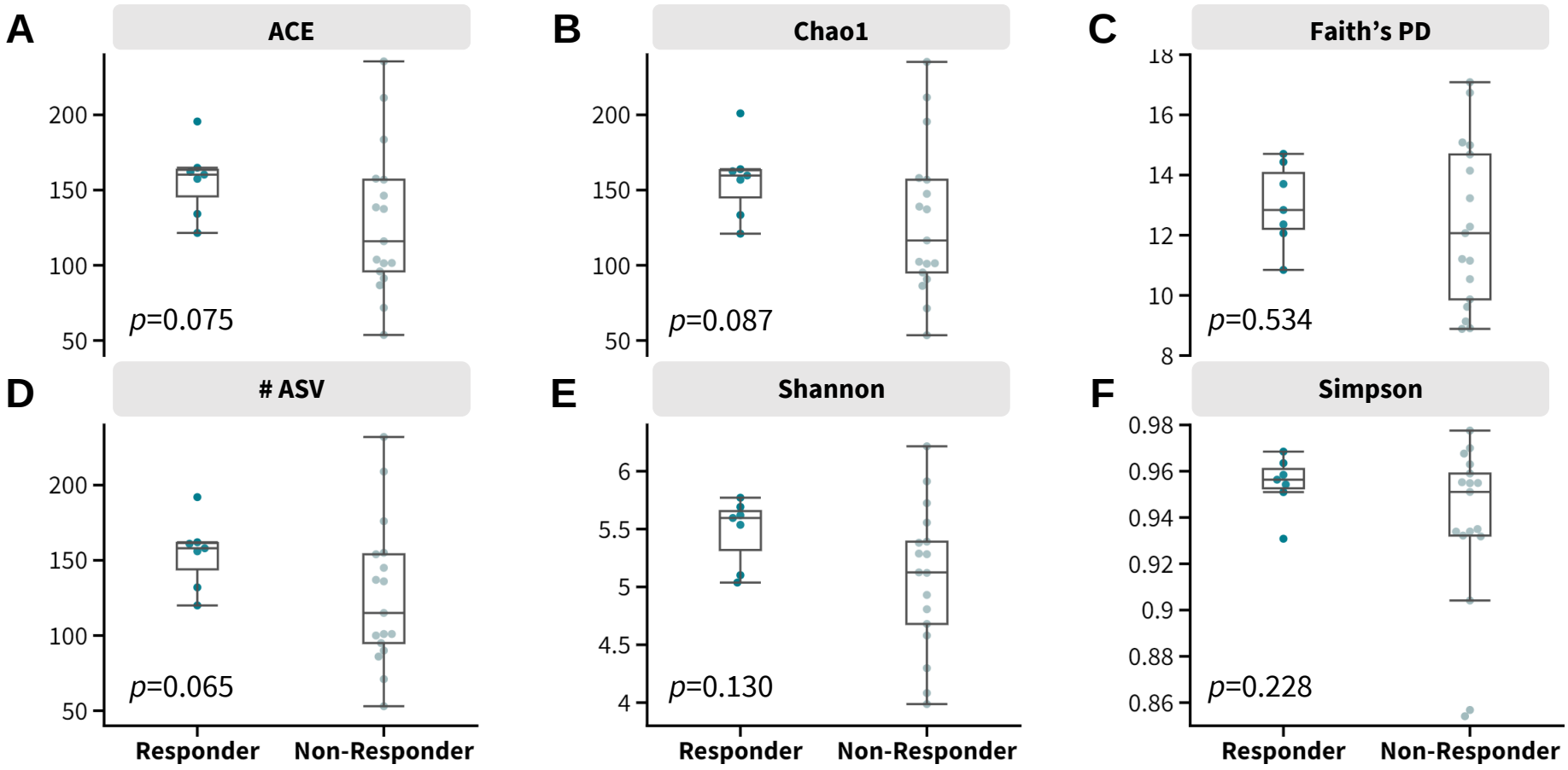

A
ACE
200
150
100
50
p=0.075
B
Chao1
200
150
100
50
p=0.087
C
Faith's PD
18
16
14
12
10
8
p=0.534
D
ASV
200
150
100
50
p=0.065
Responder
Non-Responder
E
Shannon
6
5.5
5
4.5
4
p=0.130
Responder
Non-Responder
F
Simpson
0.98
0.96
0.94
0.92
0.9
0.88
0.86
p=0.228
Responder
Non-Responder

Figure S6

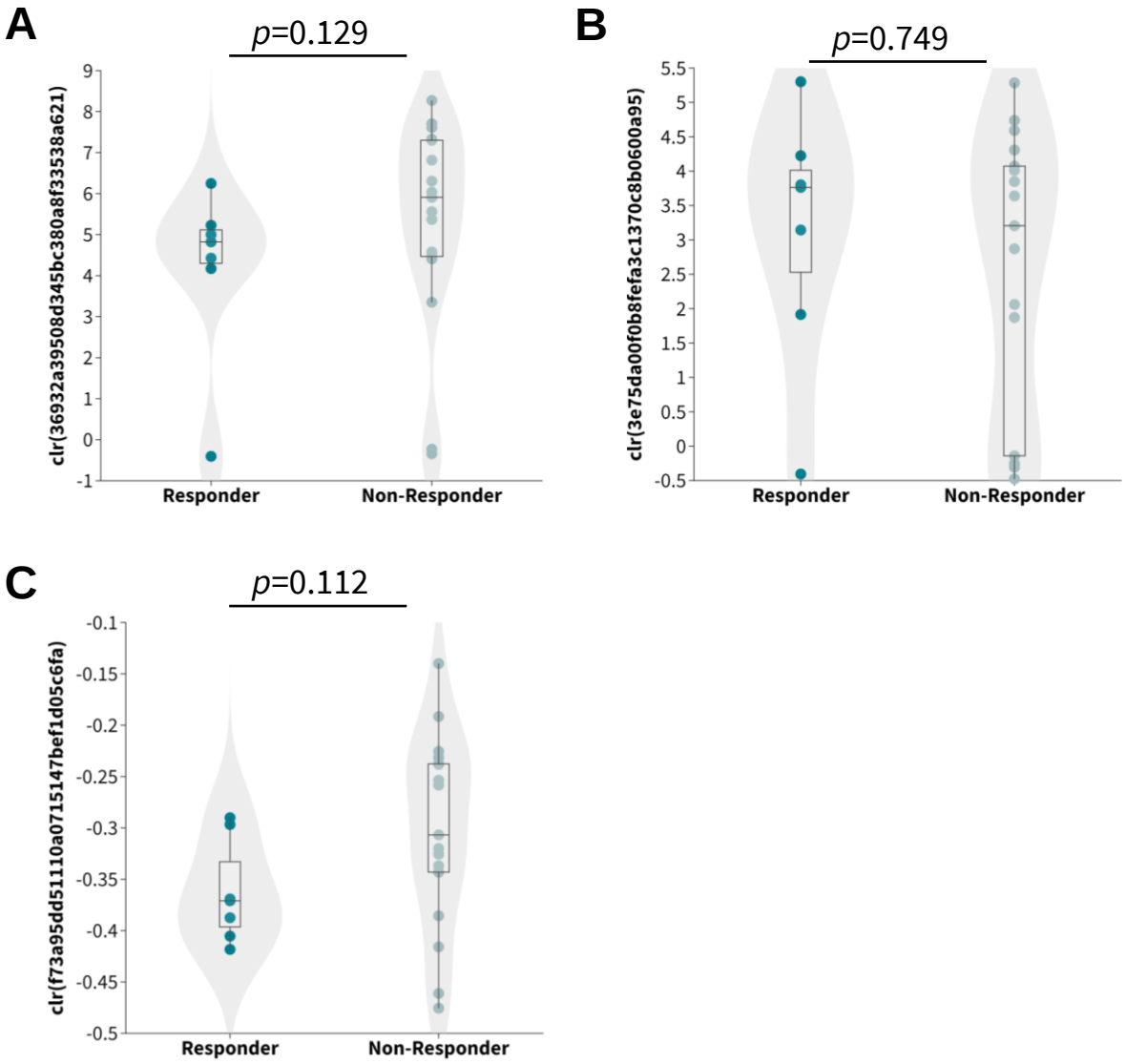
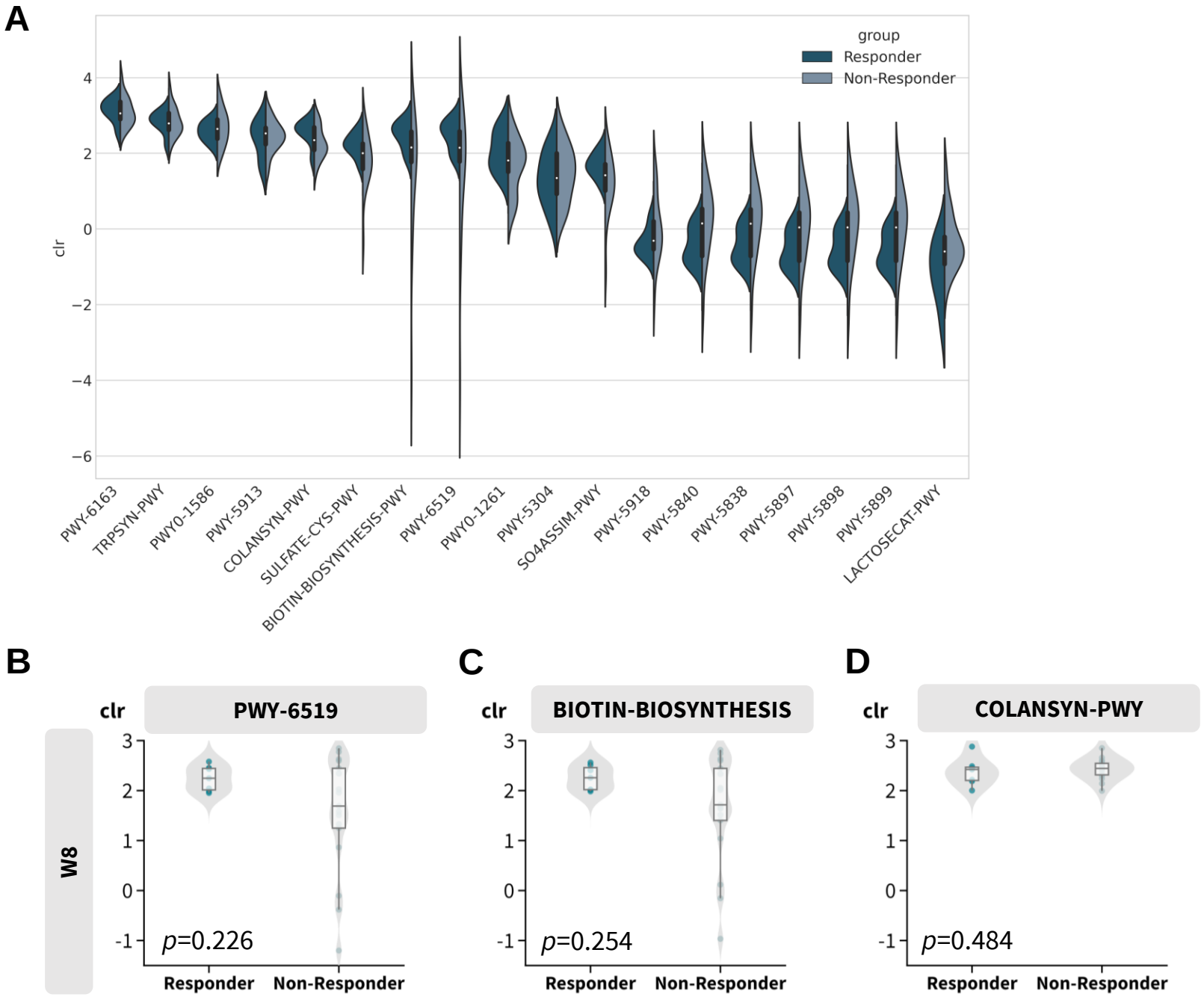

A
p=0.129
clr(36932a39508d345bc380a8f33538a621)
9
8
7
6
5
4
3
2
1
0
-1
Responder
Non-Responder
B
p=0.749
clr(3e75da00f0b8fefa3c1370c8b0600a95)
5.5
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
-0.5
Responder
Non-Responder
C
p=0.112
clr(f73a95dd51110a0715147bef1d05c6fa)
-0.1
-0.15
-0.2
-0.25
-0.3
-0.35
-0.4
-0.45
-0.5
Responder
Non-Responder

Figure S7


A
group
Responder
Non-Responder
clr
4
2
0
−2
−4
−6
PWY-6163
TRPSYN-PWY
PWY0-1586
PWY-5913
COLANSYN-PWY
SULFATE-CYS-PWY
BIOTIN-BIOSYNTHESIS-PWY
PWY-6519
PWY0-1261
PWY-5304
SO4ASSIM-PWY
PWY-5918
PWY-5840
PWY-5838
PWY-5897
PWY-5898
PWY-5899
LACTOSECAT-PWY
B
clr
PWY-6519
W8
3
2
1
0
-1
p=0.226
Responder
Non-Responder
C
clr
BIOTIN-BIOSYNTHESIS
3
2
1
0
-1
p=0.254
Responder
Non-Responder
D
clr
COLANSYN-PWY
3
2
1
0
-1
p=0.484
Responder
Non-Responder