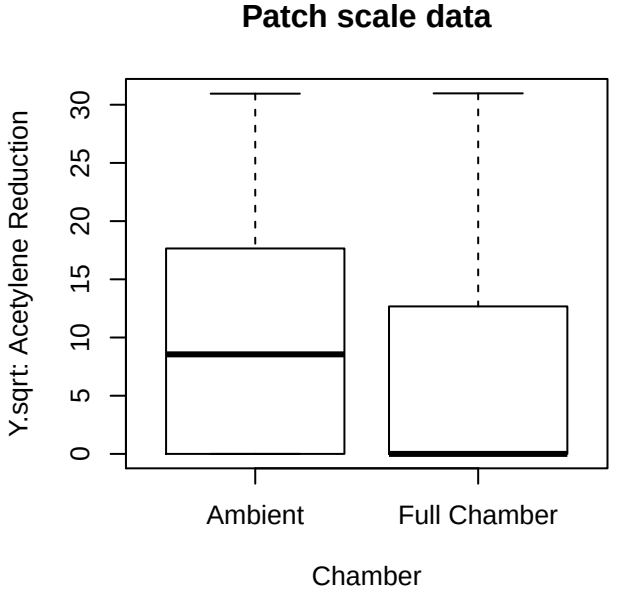
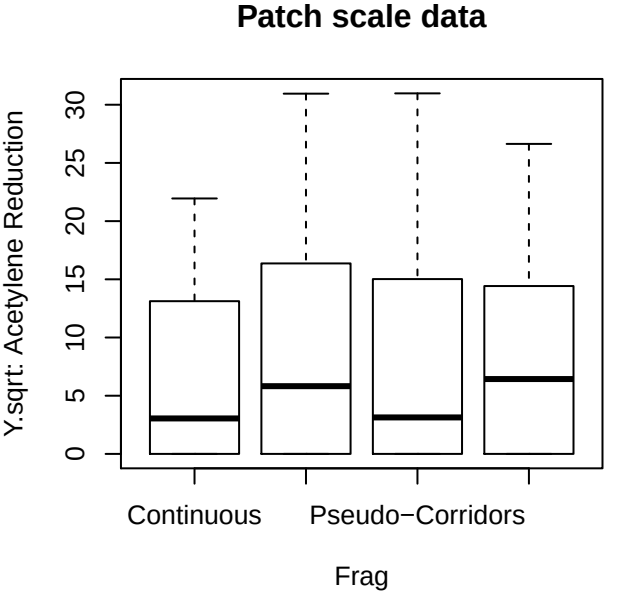
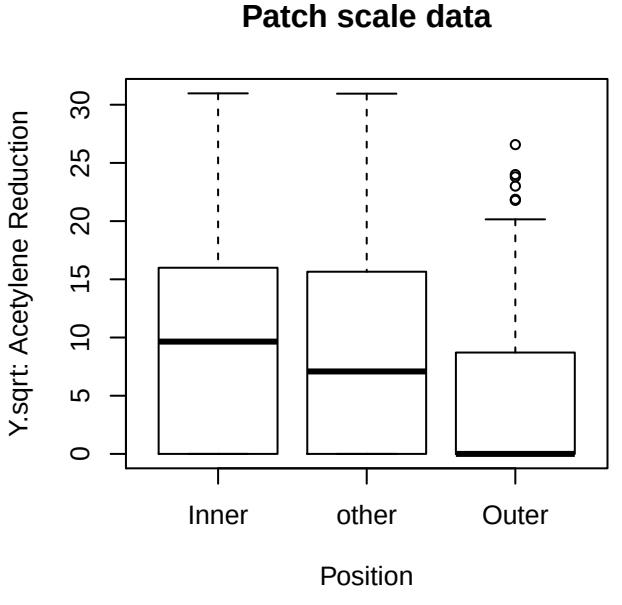
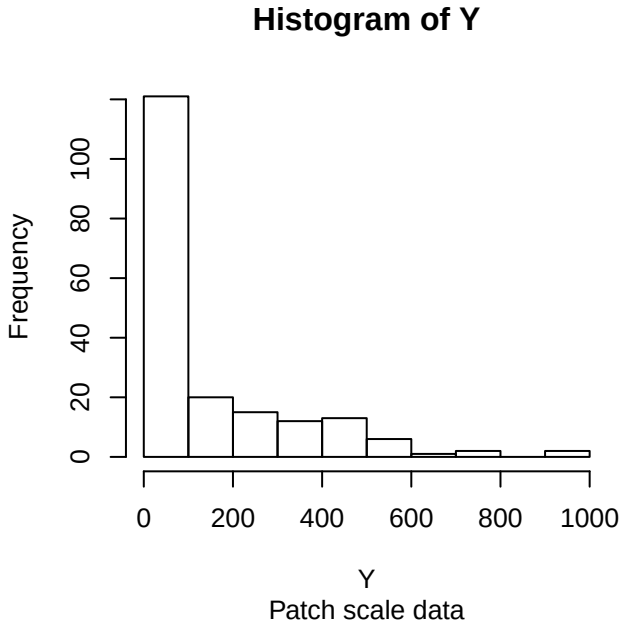
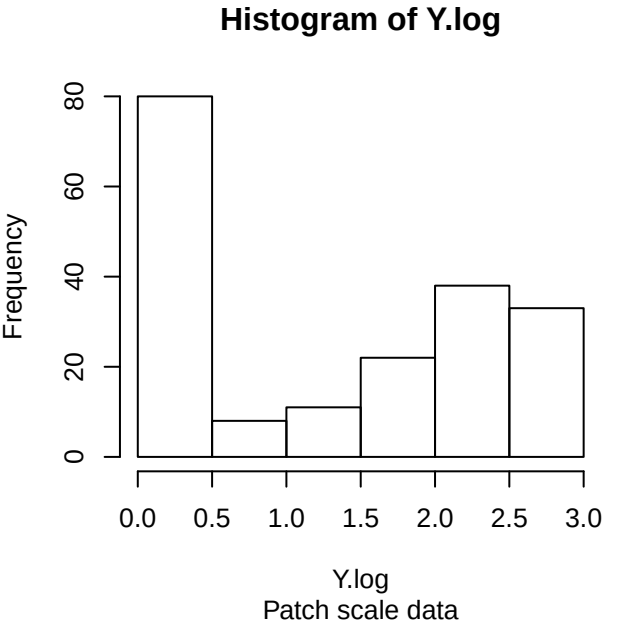
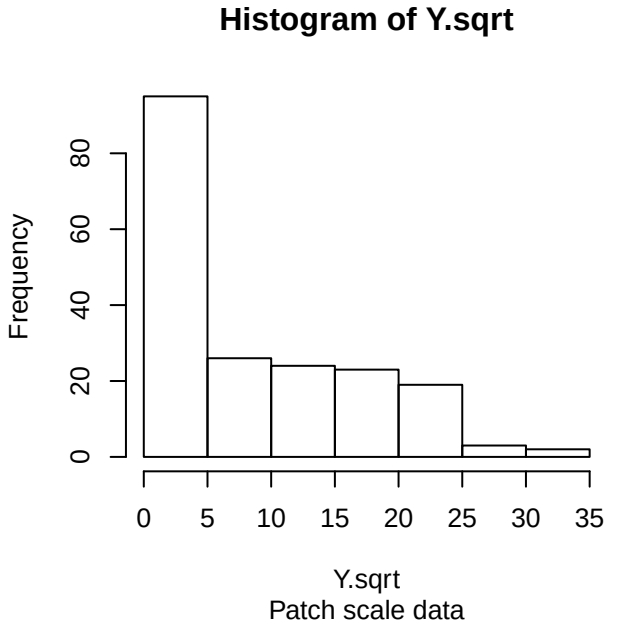

Patch scale data
Y.sqrt: Acetylene Reduction
0
5
10
15
20
25
30
Ambient
Full Chamber
Chamber

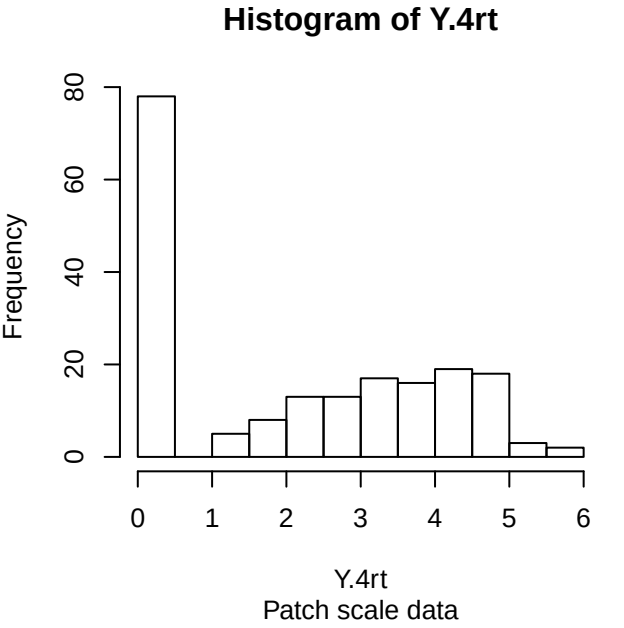

Patch scale data
Y.sqrt: Acetylene Reduction
0
5
10
15
20
25
30
Continuous
Pseudo−Corridors
Frag

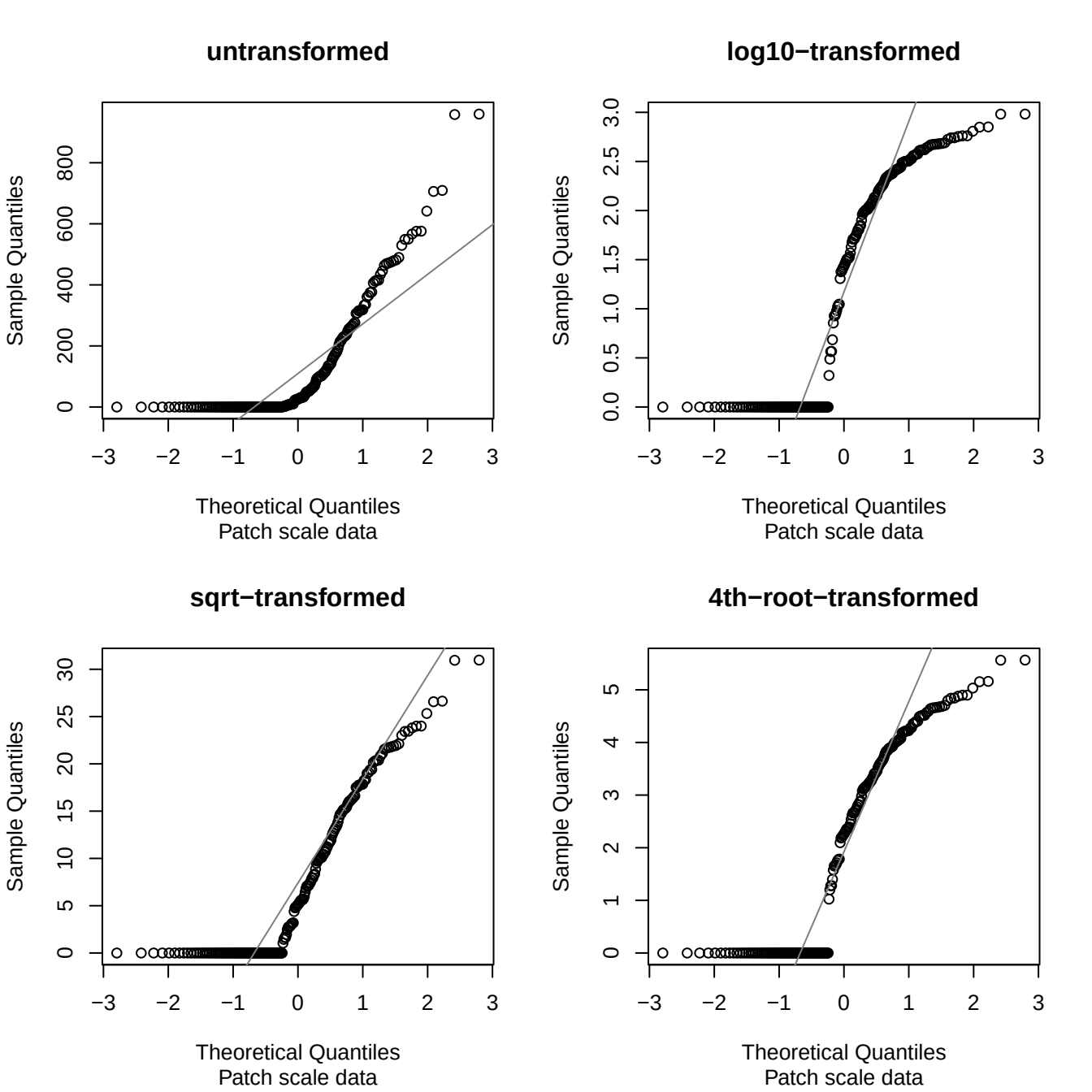

Patch scale data
Y.sqrt: Acetylene Reduction
0
5
10
15
20
25
30
Inner
other
Outer
Position

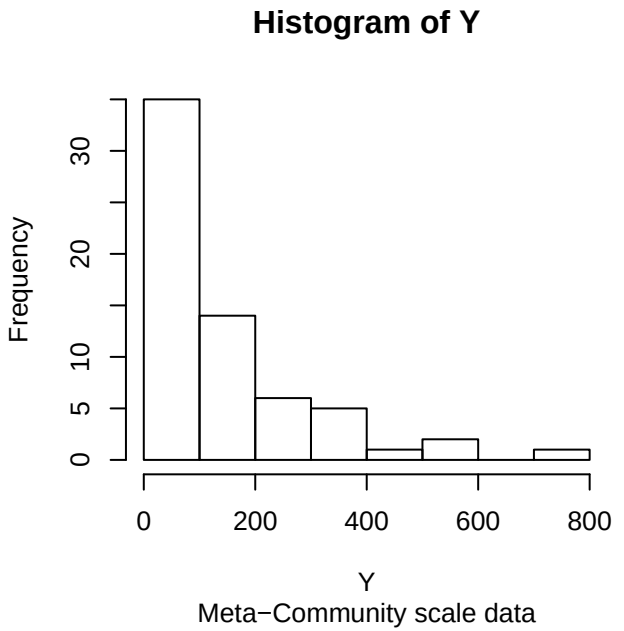

Histogram of Y
Frequency
0
20
40
60
80
100
0
200
400
600
800
1000
Y
Patch scale data

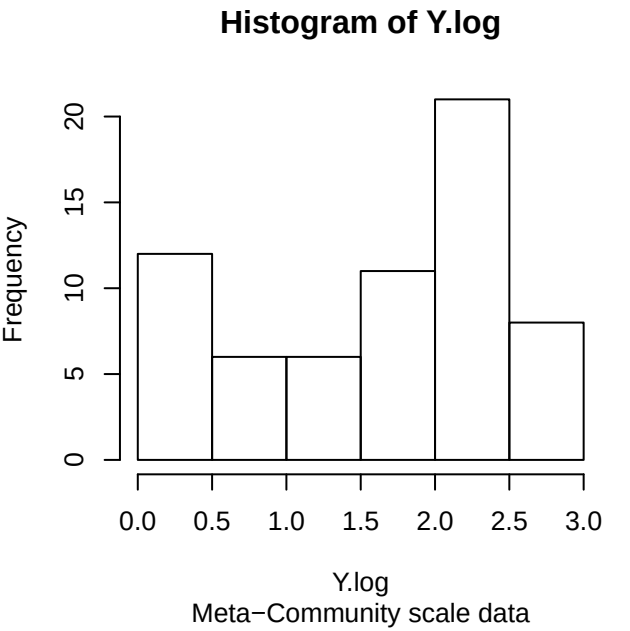

Histogram of Y.log
Frequency
0
20
40
60
80
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Y.log
Patch scale data

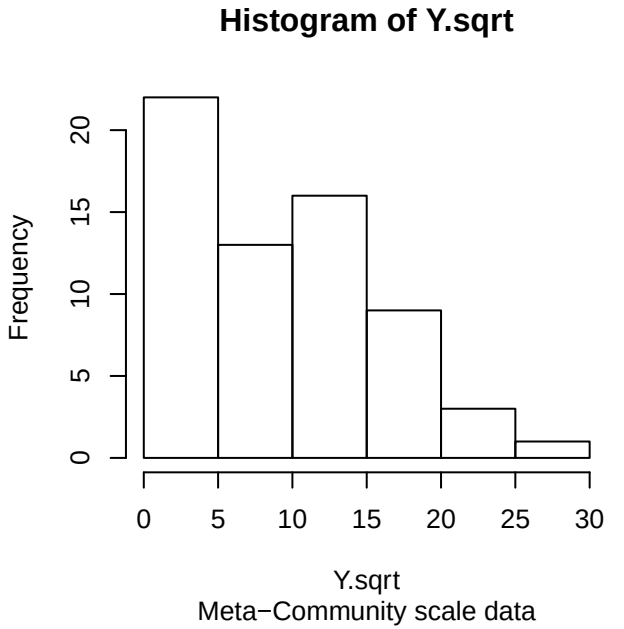

Histogram of Y.sqrt
Frequency
0
20
40
60
80
0
5
10
15
20
25
30
35
Y.sqrt
Patch scale data

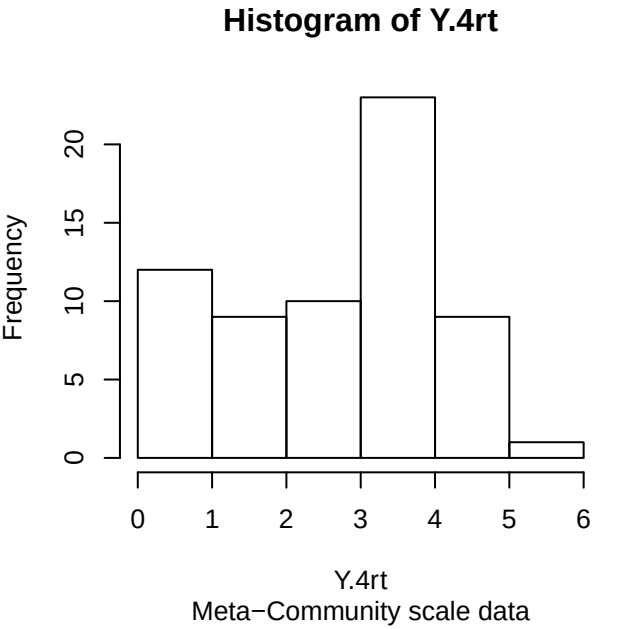

Histogram of Y.4rt
Frequency
0
20
40
60
80
0
1
2
3
4
5
6
Y.4rt
Patch scale data

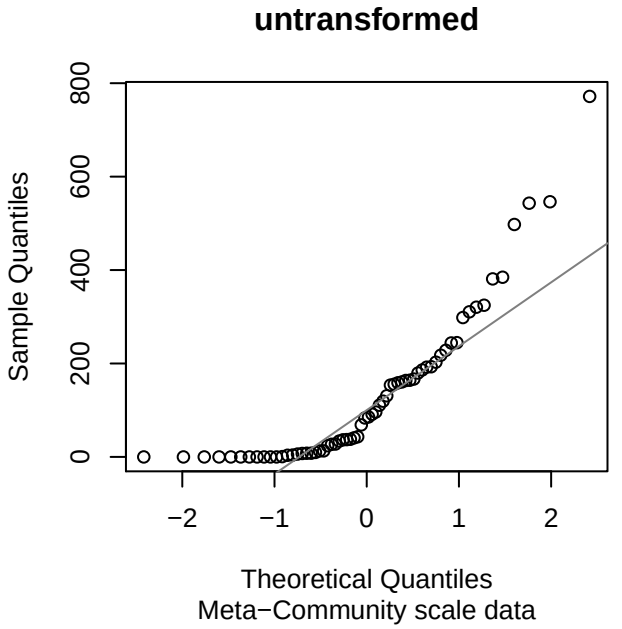

untransformed
Sample Quantiles
0
200
400
600
800
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data
log10−transformed
Sample Quantiles
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Theoretical Quantiles
Patch scale data
sqrt−transformed
Sample Quantiles
0
5
10
15
20
25
30
Theoretical Quantiles
Patch scale data
4th−root−transformed
Sample Quantiles
0
1
2
3
4
5
Theoretical Quantiles
Patch scale data

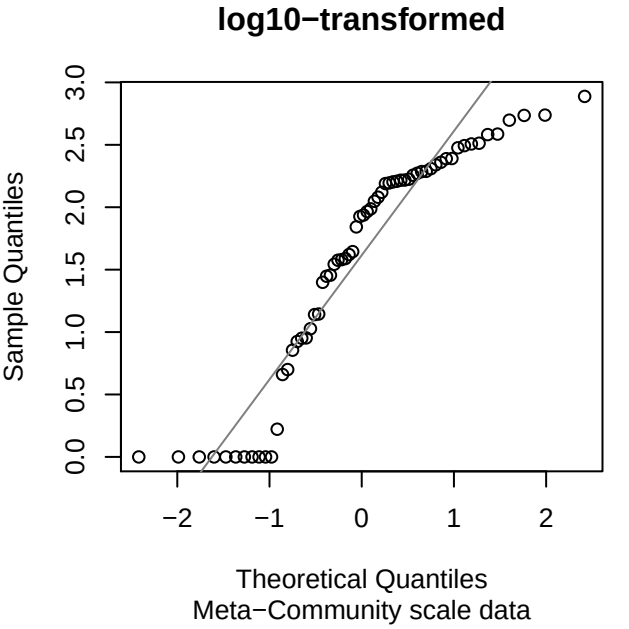

Histogram of Y
Frequency
0
5
10
20
30
0
200
400
600
800
Y
Meta−Community scale data

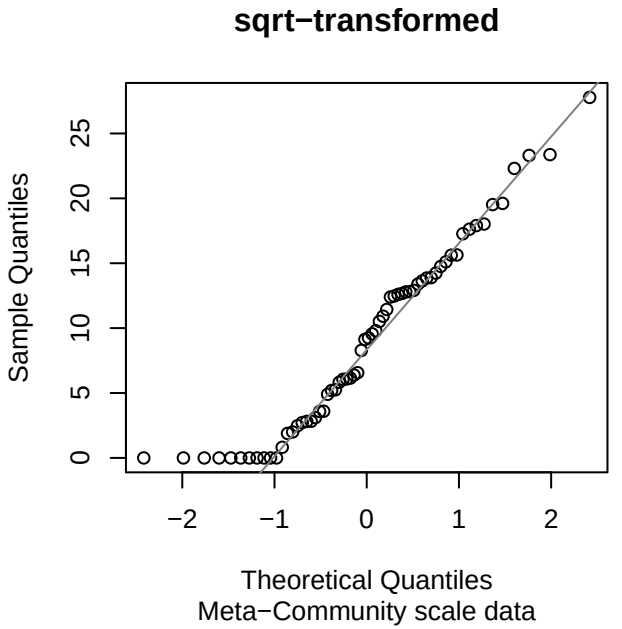

Histogram of Y.log
Frequency
0
5
10
15
20
0.0
0.5
1.0
1.5
2.0
2.5
3.0
Y.log
Meta−Community scale data

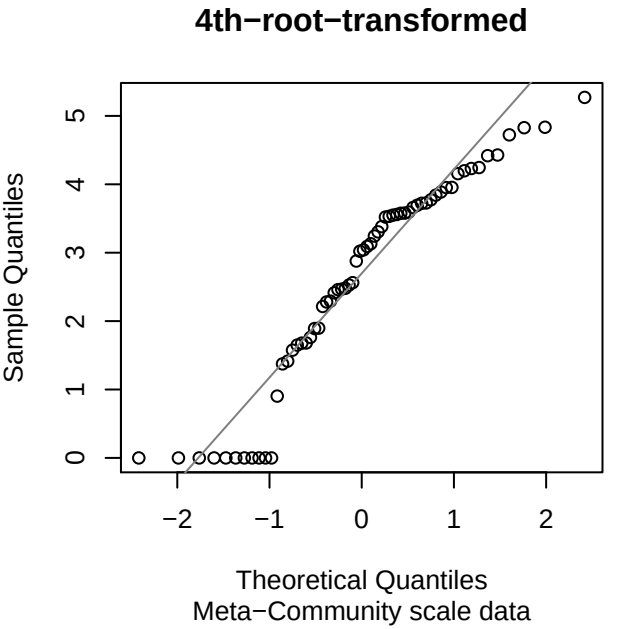

Histogram of Y.sqrt
Frequency
0
5
10
15
20
0
5
10
15
20
25
30
Y.sqrt
Meta−Community scale data

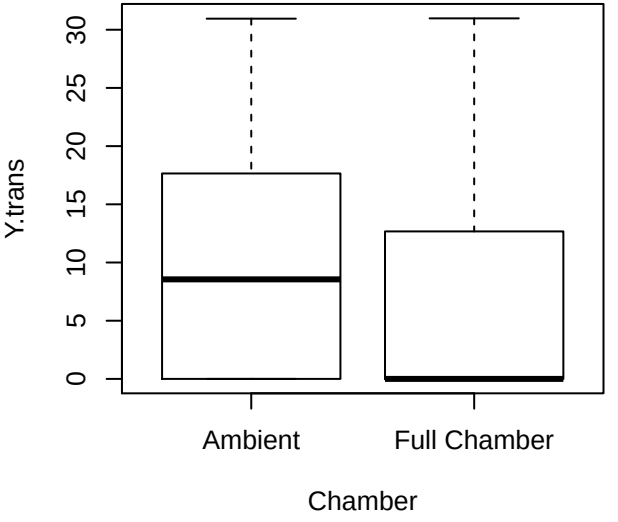

Histogram of Y.4rt
Frequency
0
5
10
15
20
0
1
2
3
4
5
6
Y.4rt
Meta−Community scale data

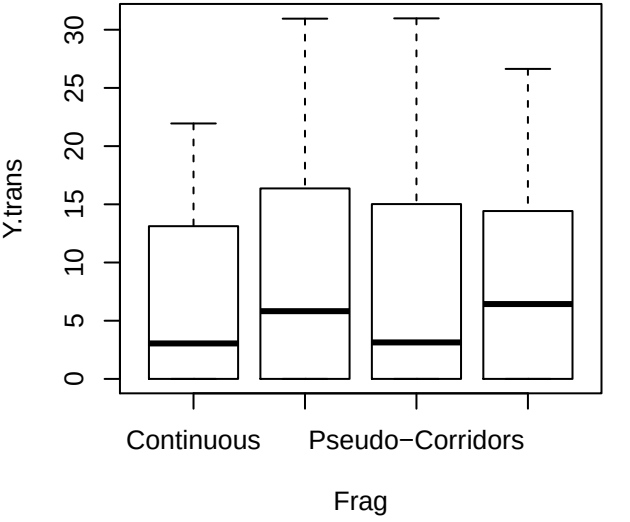

untransformed
Sample Quantiles
0
200
400
600
800
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

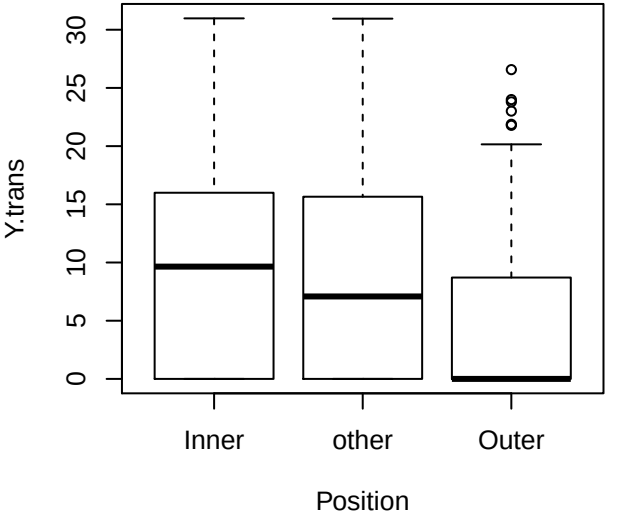

log10−transformed
Sample Quantiles
0.0
0.5
1.0
1.5
2.0
2.5
3.0
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

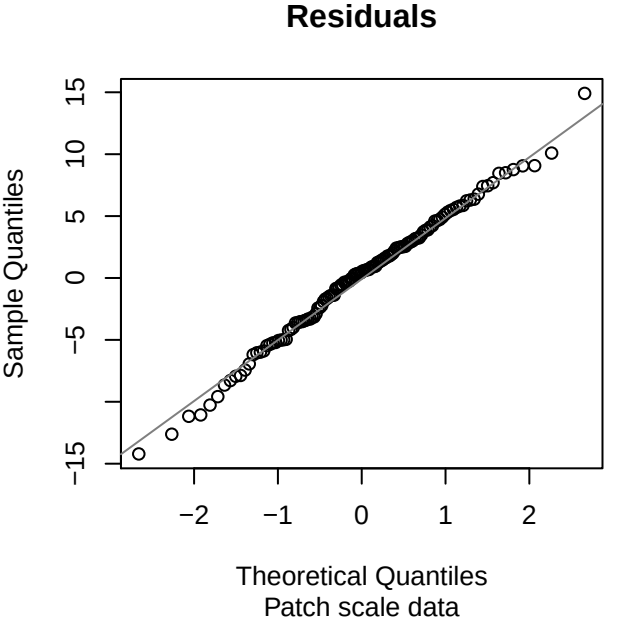

sqrt−transformed
Sample Quantiles
0
5
10
15
20
25
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

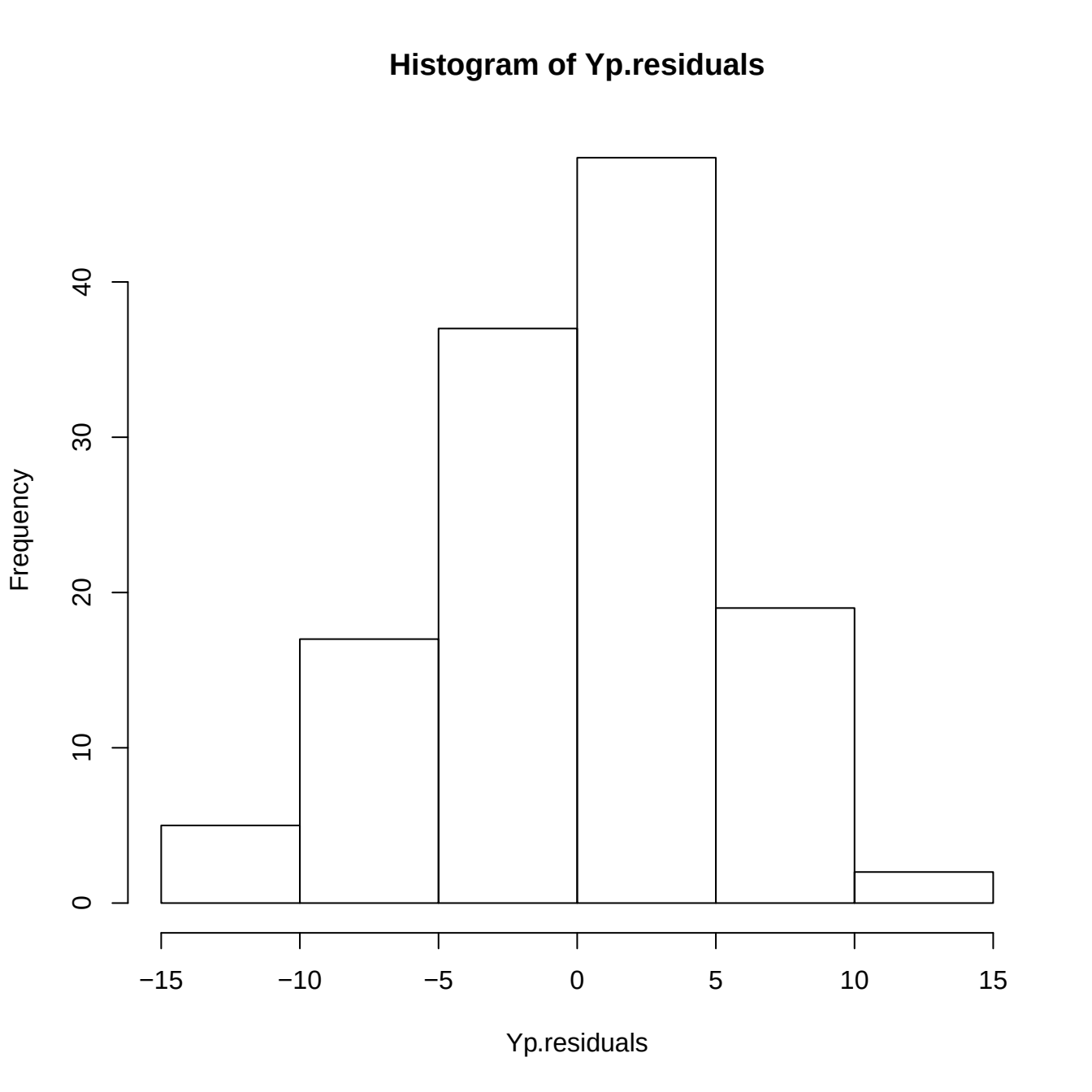

4th−root−transformed
Sample Quantiles
0
1
2
3
4
5
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

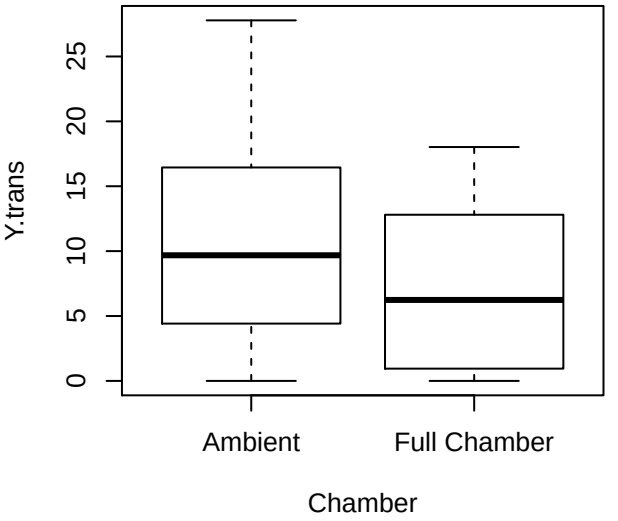

Y.trans
0
5
10
15
20
25
30
Ambient
Full Chamber
Chamber

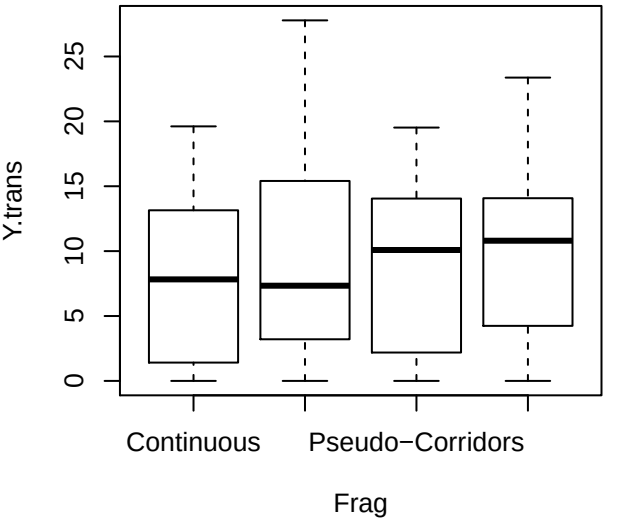

Y.trans
0
5
10
15
20
25
30
Continuous
Pseudo−Corridors
Frag

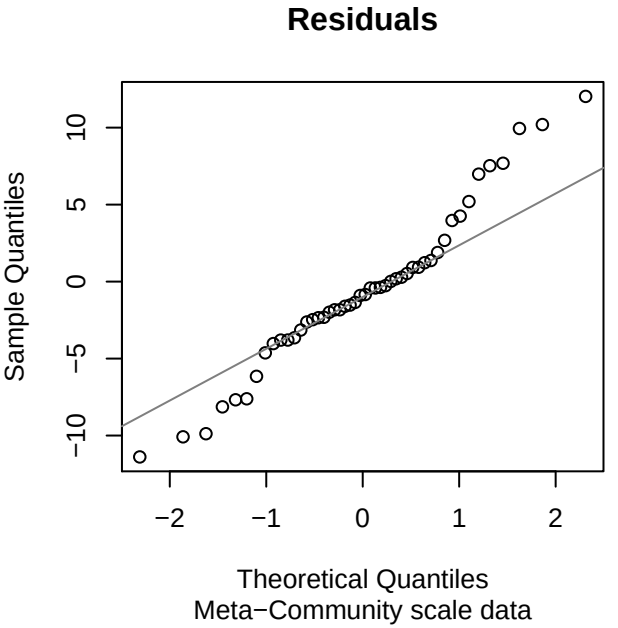

Y.trans
0
5
10
15
20
25
30
Inner
other
Outer
Position

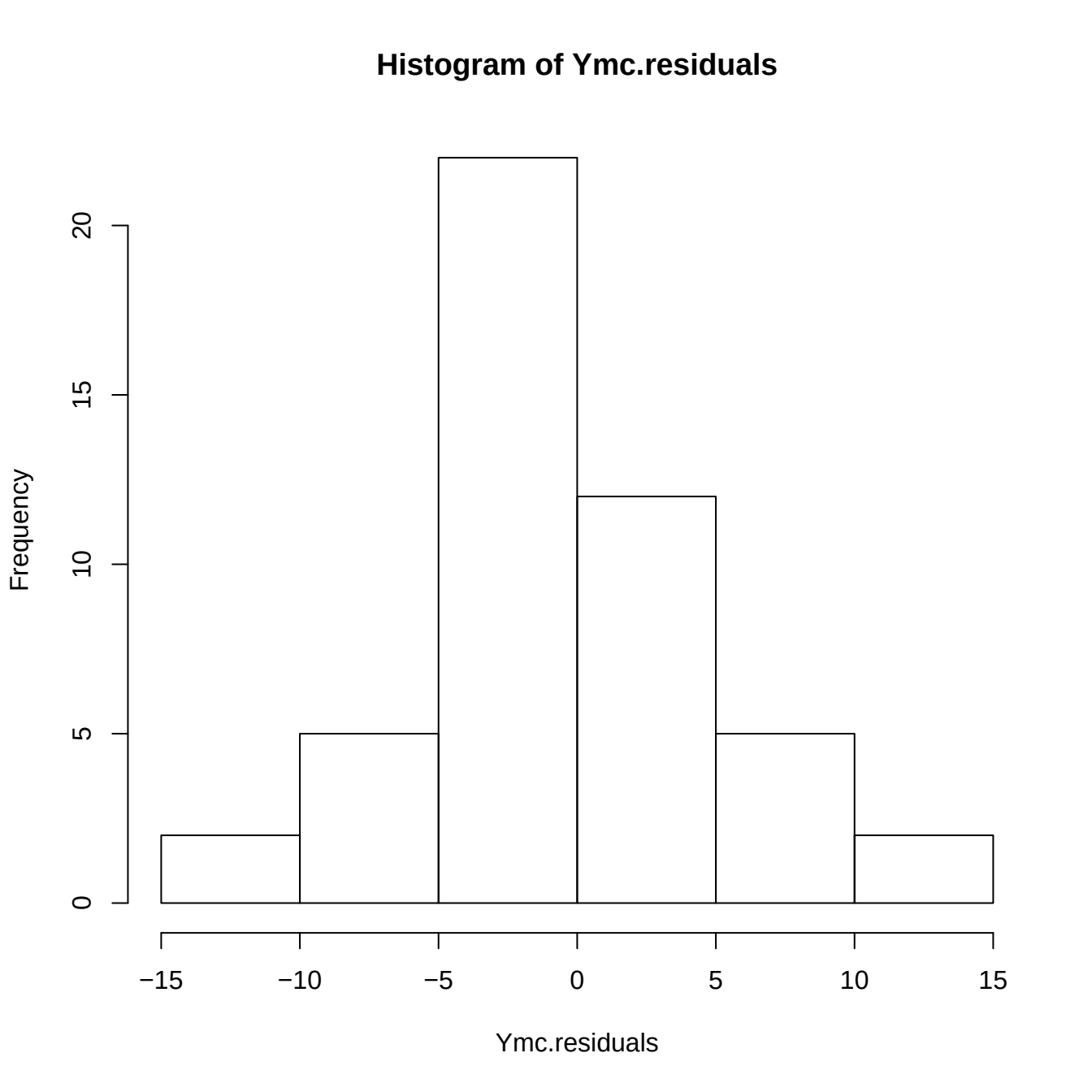

Residuals
Sample Quantiles
−15
−5
0
5
10
15
−2
−1
0
1
2
Theoretical Quantiles
Patch scale data

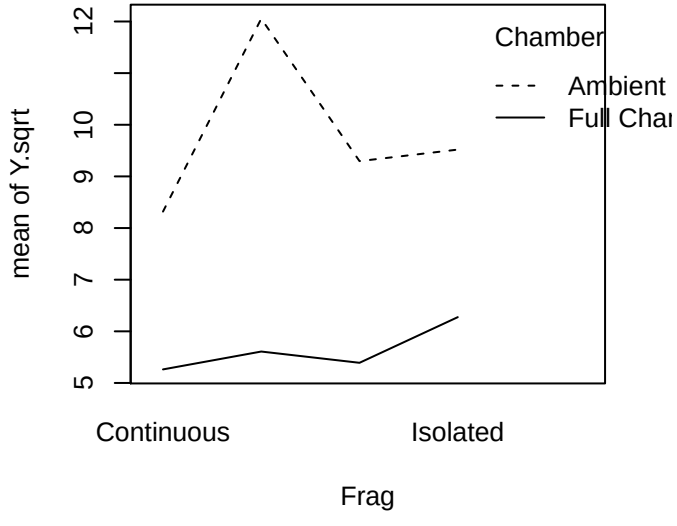

Histogram of Yp.residuals
Frequency
0
10
20
30
40
−15
−10
−5
0
5
10
15
Yp.residuals

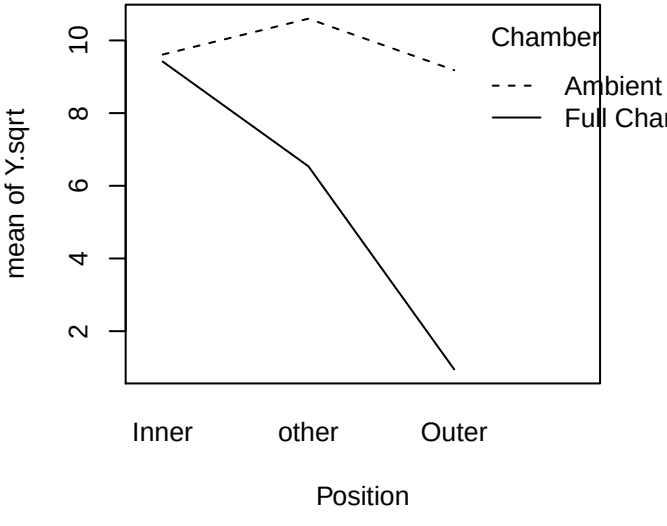

Y.trans
0
5
10
15
20
25
Ambient
Full Chamber
Chamber

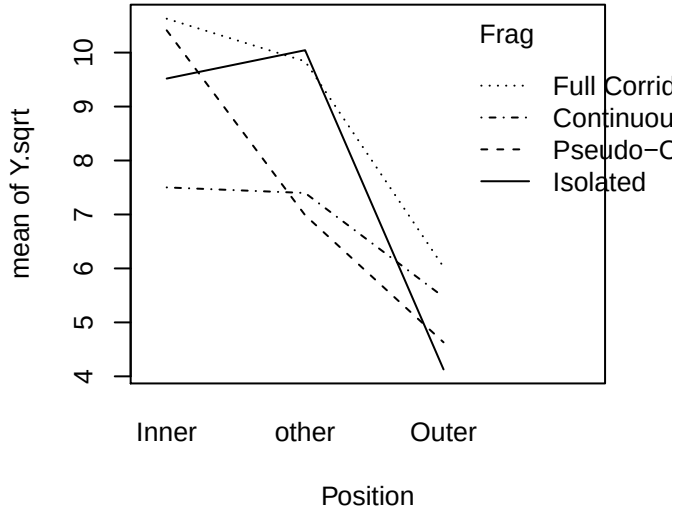

Y.trans
0
5
10
15
20
25
Continuous
Pseudo−Corridors
Frag

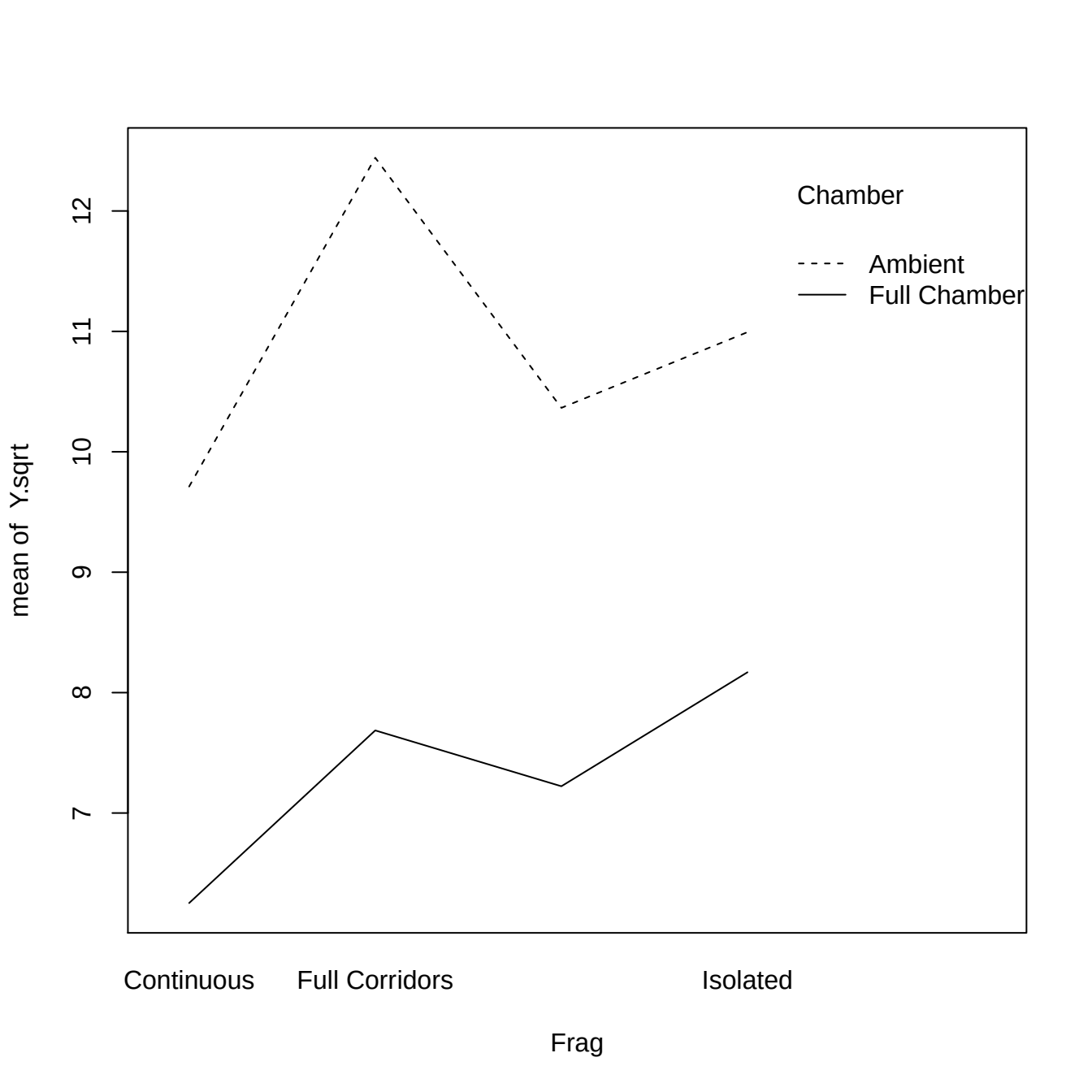

Residuals
Sample Quantiles
−10
−5
0
5
10
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

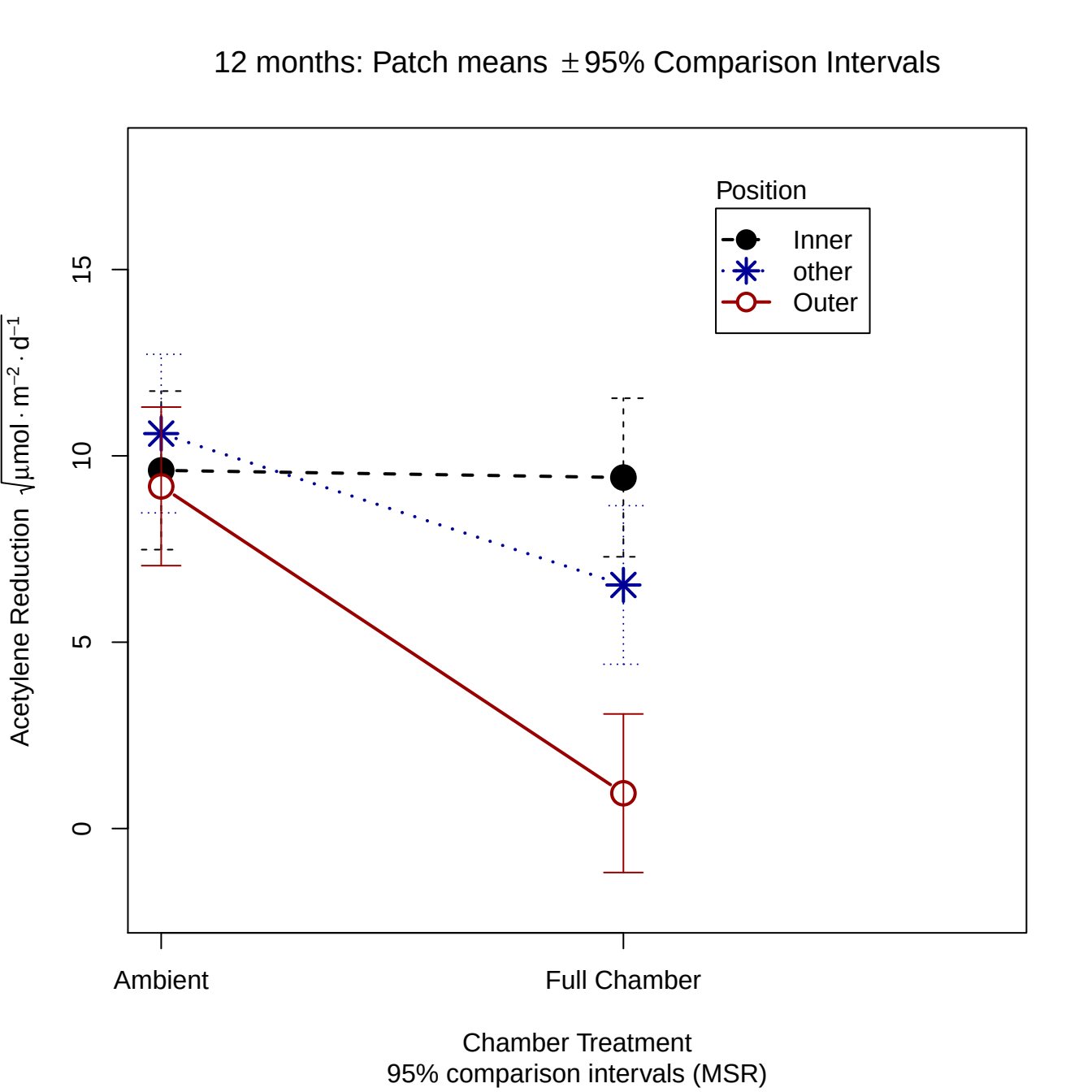

Histogram of Ymc.residuals
Frequency
0
5
10
15
20
−15
−10
−5
0
5
10
15
Ymc.residuals

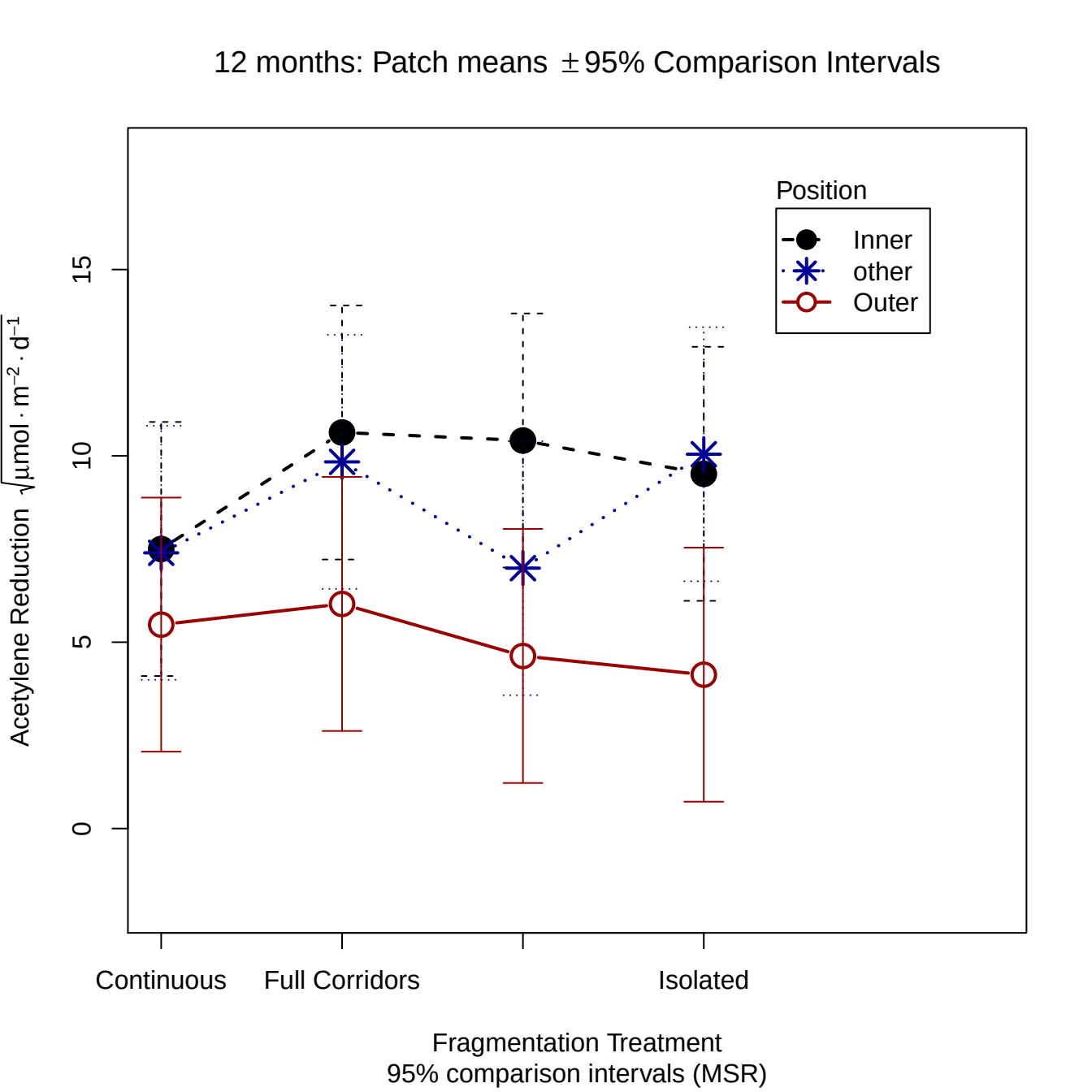

mean of Y.sqrt
12
10
9
8
7
6
5
Chamber
Ambient
Full Cha
Continuous
Isolated
Frag

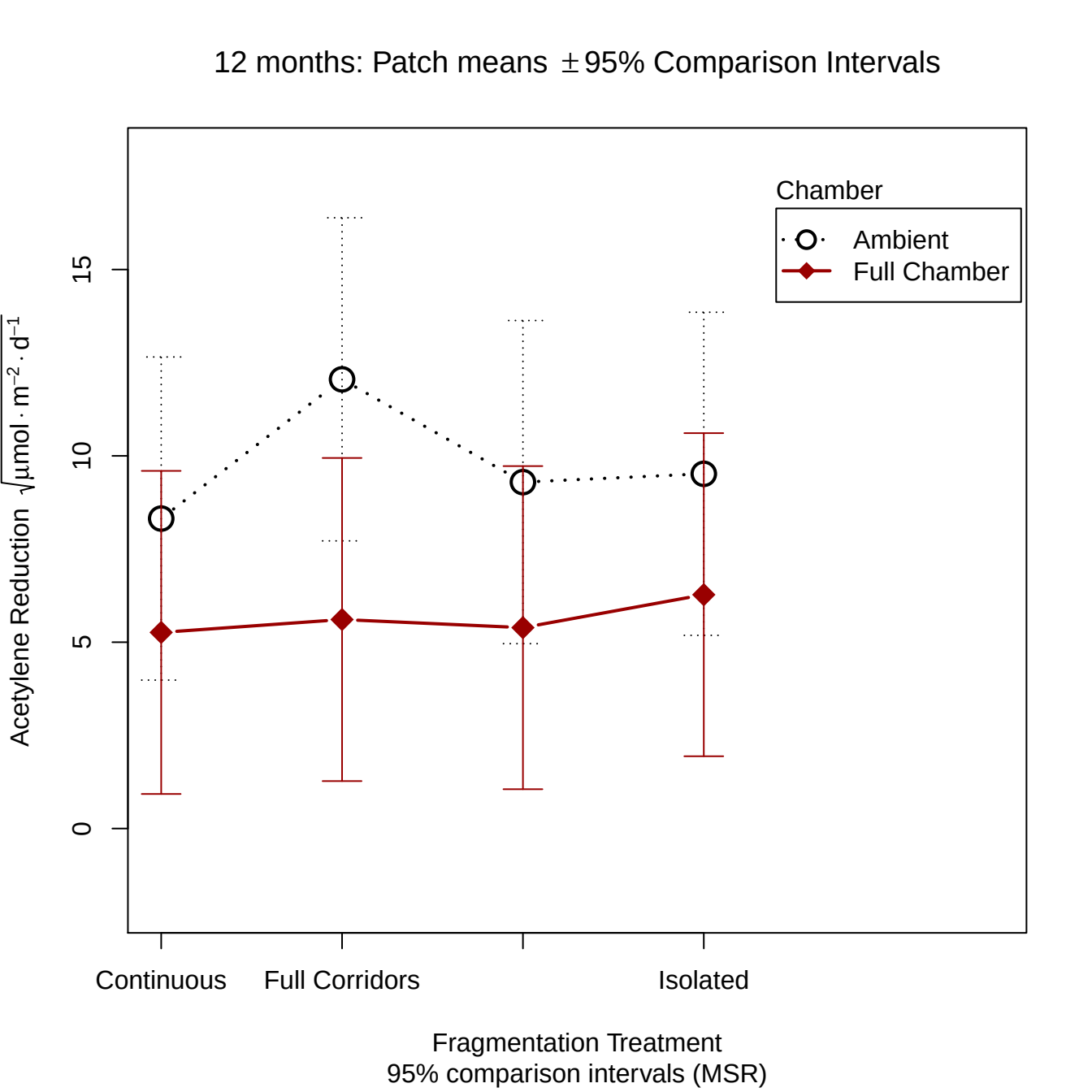

mean of Y.sqrt
10
8
6
4
2
Chamber
Ambient
Full Cha
Inner
other
Outer
Position

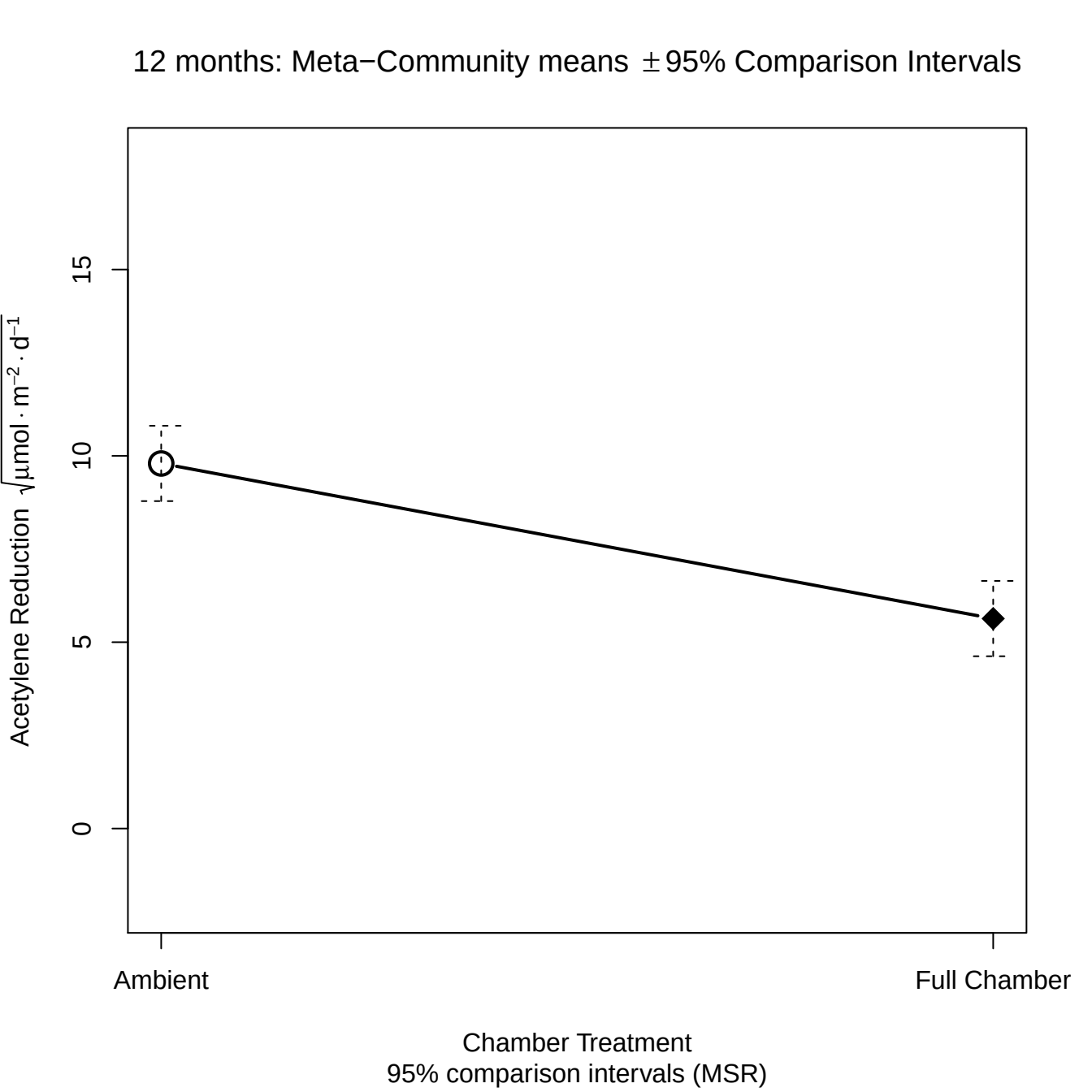

mean of Y.sqrt
10
9
8
7
6
5
4
Frag
Full Corric
Continuou
Pseudo−C
Isolated
Inner
other
Outer
Position

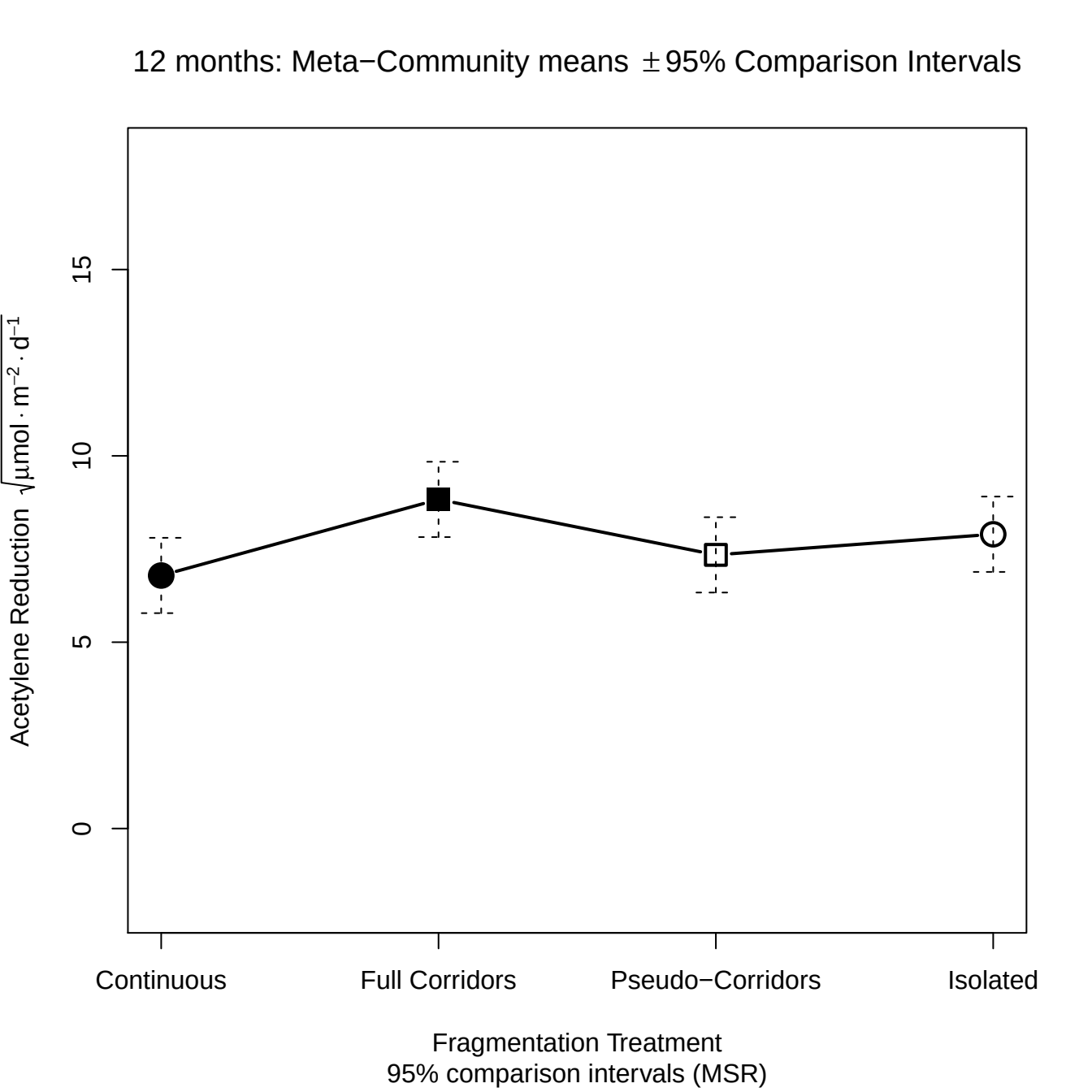

mean of Y.sqrt
7
8
9
10
11
12
Chamber
Ambient
Full Chamber
Continuous
Full Corridors
Isolated
Frag

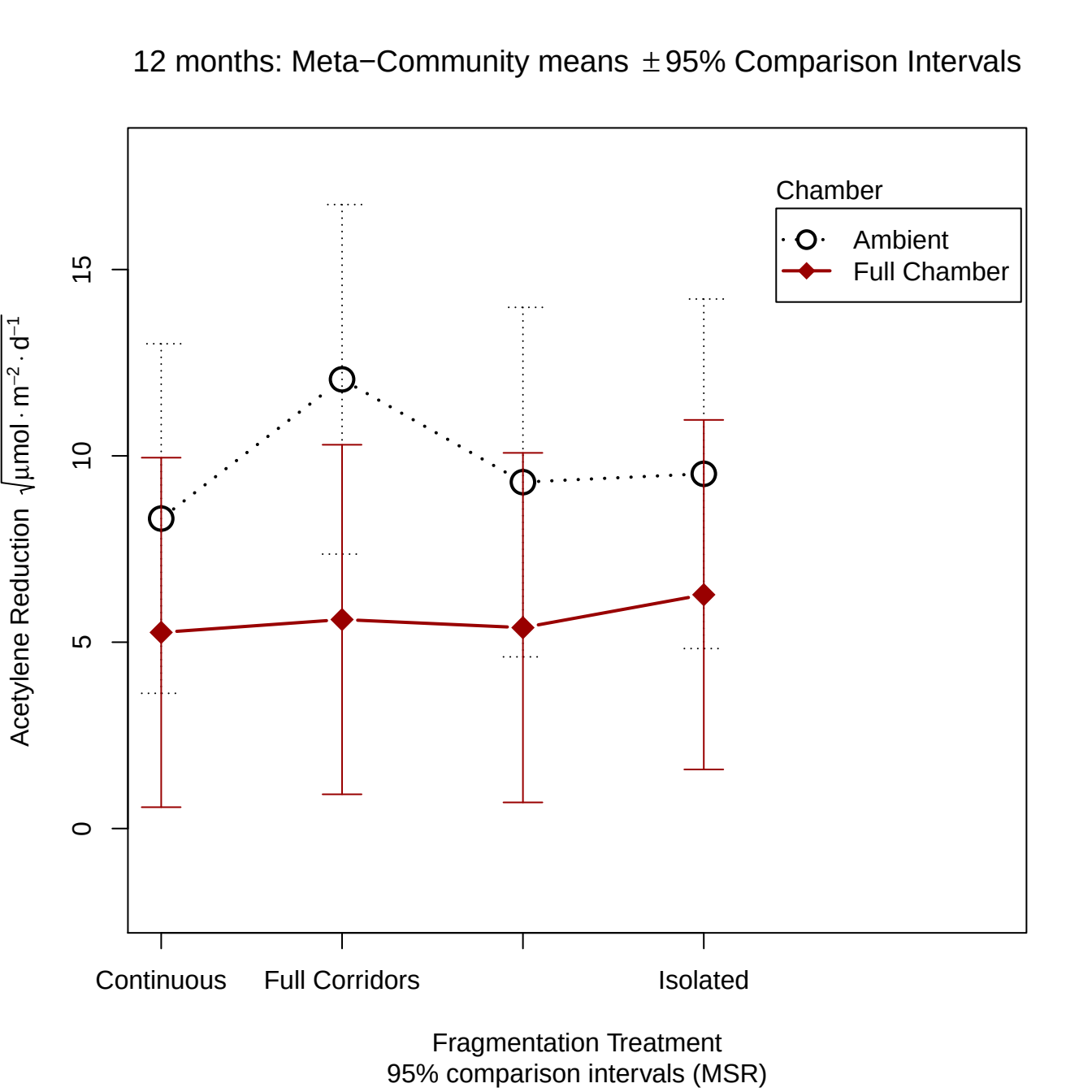

12 months: Patch means ±95% Comparison Intervals
Position
Inner
other
Outer
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Ambient
Full Chamber
Chamber Treatment
95% comparison intervals (MSR)


12 months: Patch means ±95% Comparison Intervals
Position
Inner
other
Outer
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Continuous
Full Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (MSR)


12 months: Patch means ±95% Comparison Intervals
Chamber
Ambient
Full Chamber
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Continuous
Full Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (MSR)


12 months: Meta−Community means ±95% Comparison Intervals
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Ambient
Full Chamber
Chamber Treatment
95% comparison intervals (MSR)


12 months: Meta−Community means ±95% Comparison Intervals
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Continuous
Full Corridors
Pseudo−Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (MSR)


12 months: Meta−Community means ±95% Comparison Intervals
Chamber
Ambient
Full Chamber
Acetylene Reduction $\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$
0
5
10
15
Continuous
Full Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (MSR)