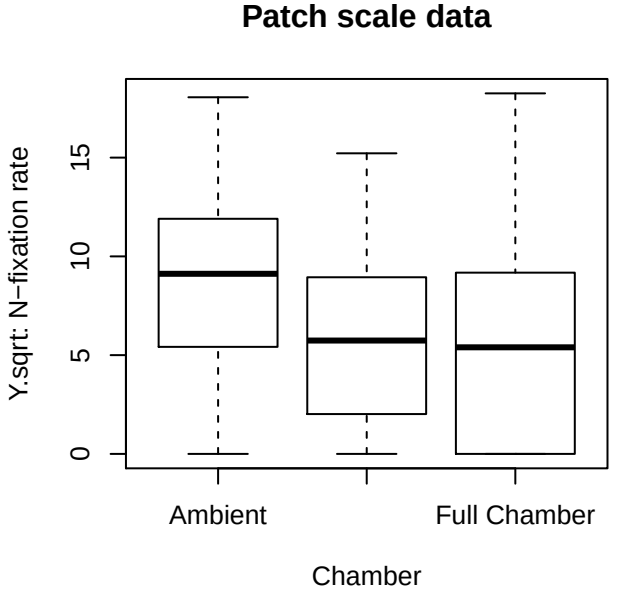
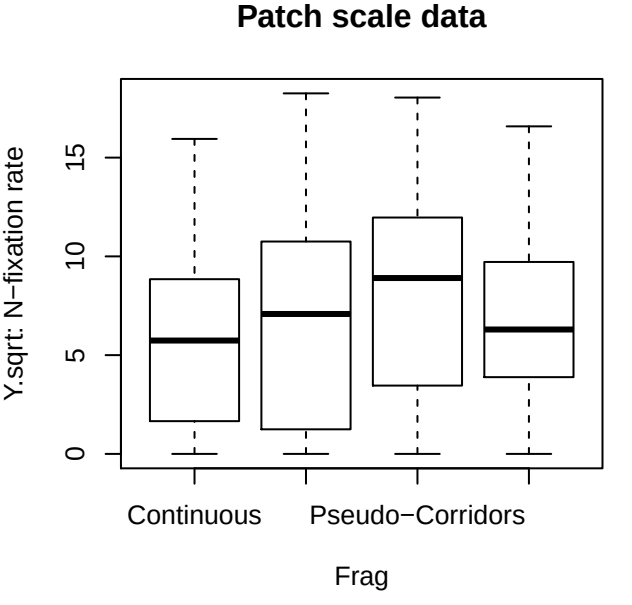
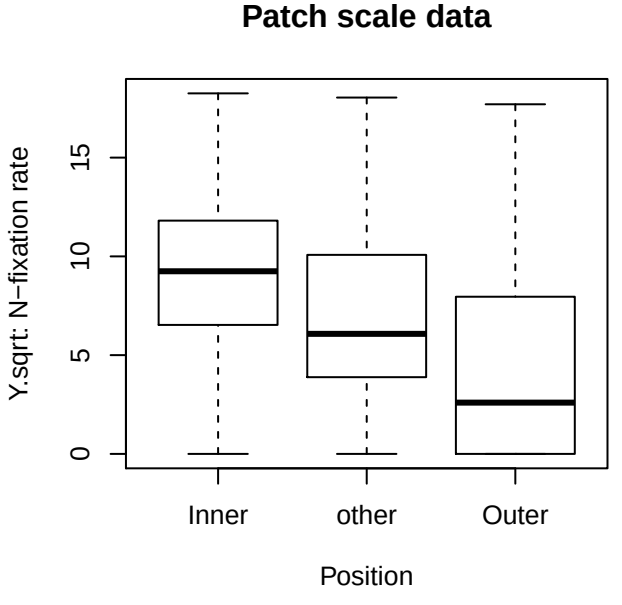
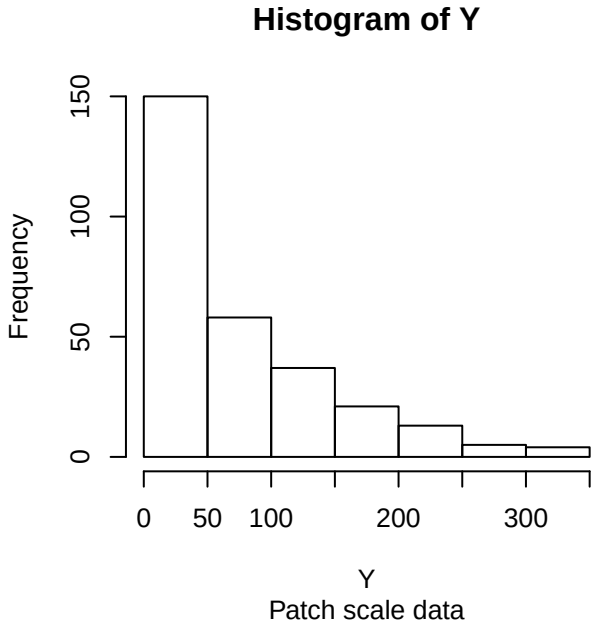
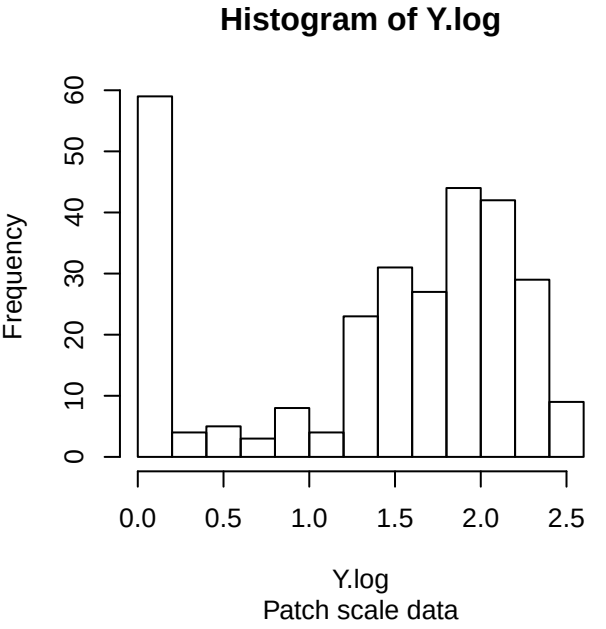
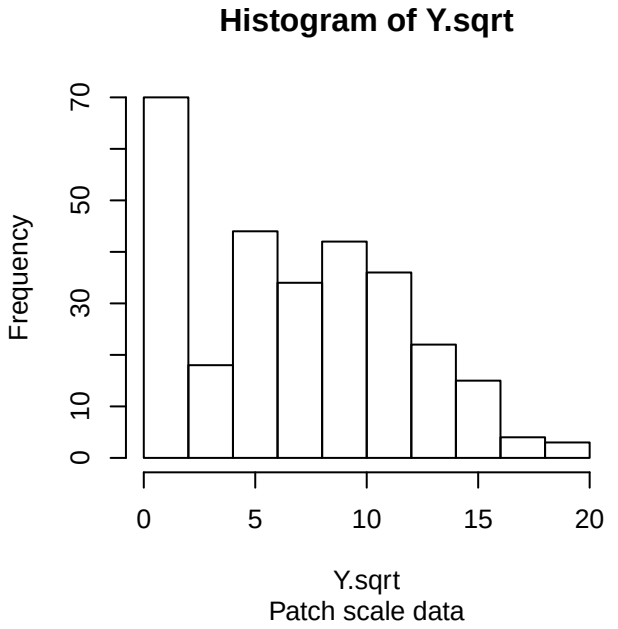

Patch scale data
Y.sqrt: N−fixation rate
0
5
10
15
Ambient
Full Chamber
Chamber

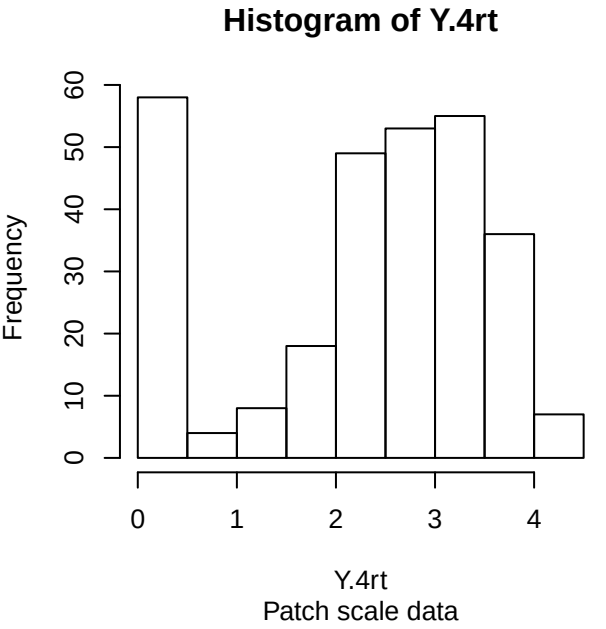

Patch scale data
Y.sqrt: N−fixation rate
0
5
10
15
Continuous
Pseudo−Corridors
Frag

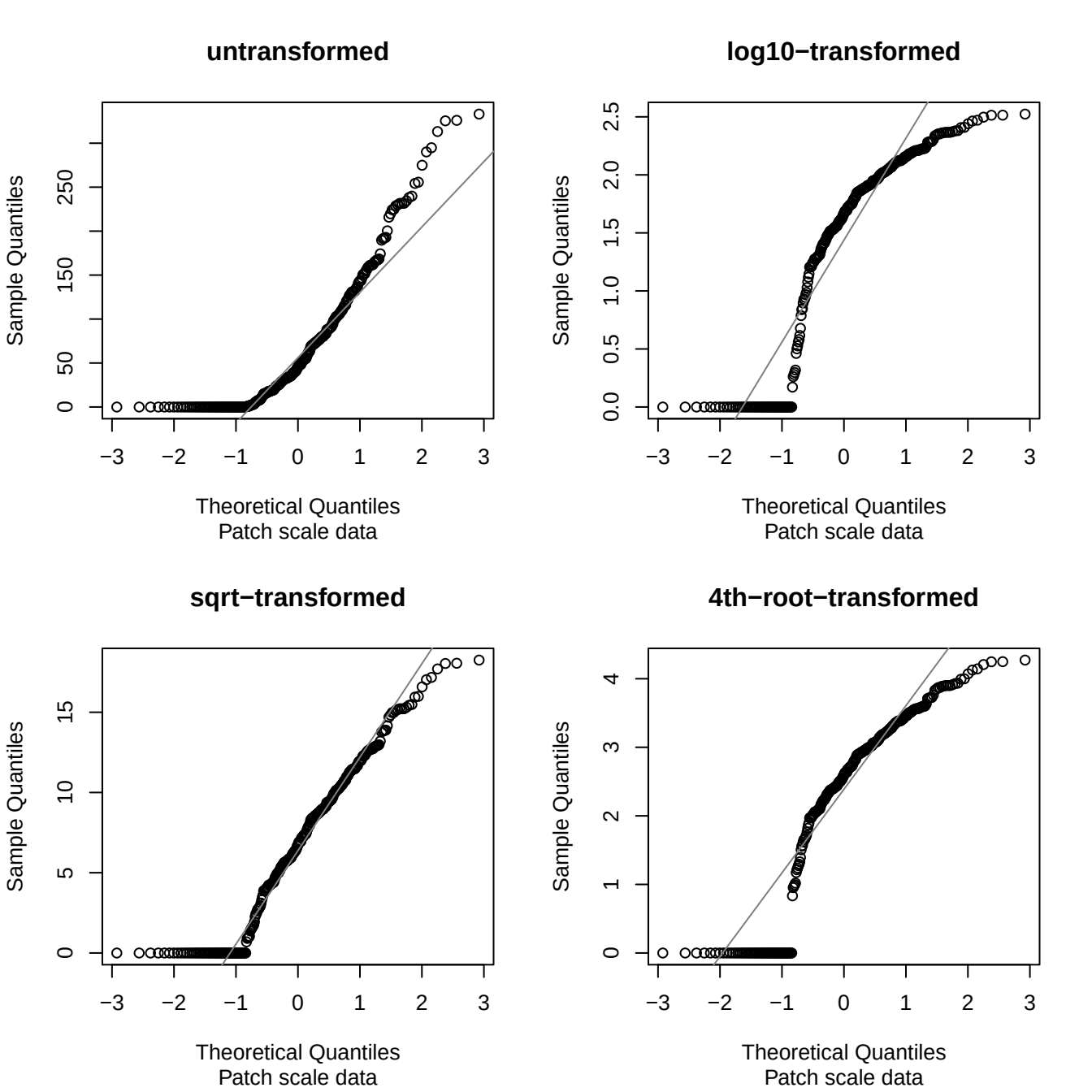

Patch scale data
Y.sqrt: N−fixation rate
0
5
10
15
Inner
other
Outer
Position

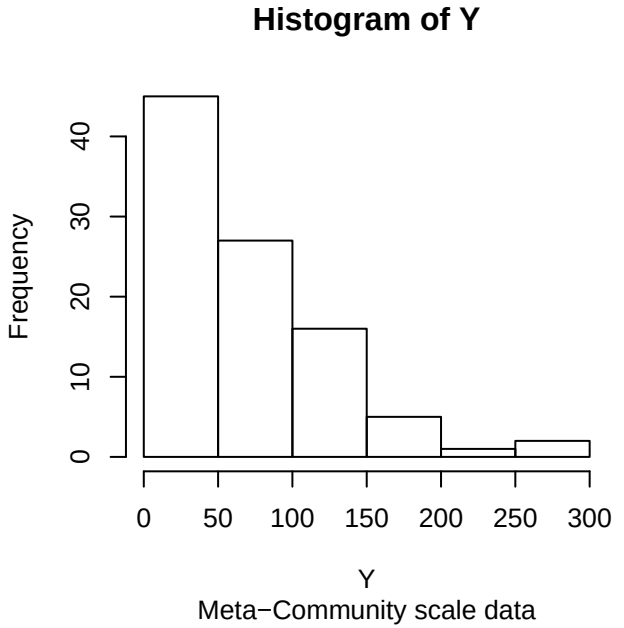

Histogram of Y
Frequency
0
50
100
150
0
50
100
200
300
Y
Patch scale data

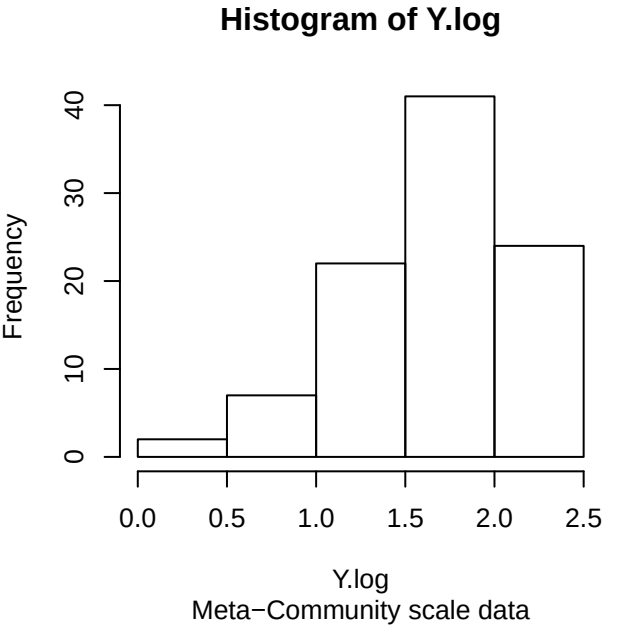

Histogram of Y.log
Frequency
0
10
20
30
40
50
60
0.0
0.5
1.0
1.5
2.0
2.5
Y.log
Patch scale data

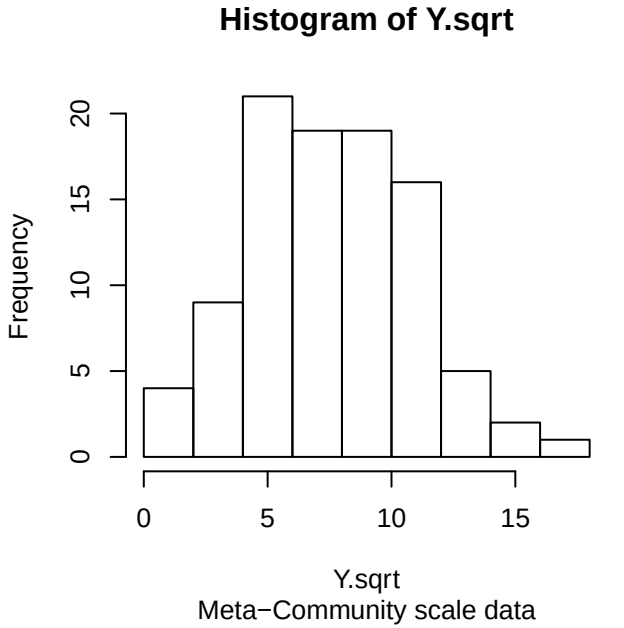

Histogram of Y.sqrt
Frequency
0
10
30
50
70
0
5
10
15
20
Y.sqrt
Patch scale data

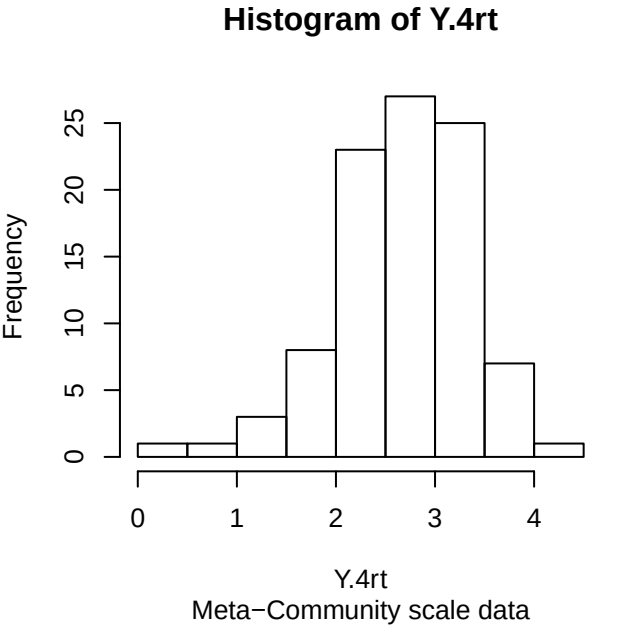

Histogram of Y.4rt
Frequency
0
10
20
30
40
50
60
0
1
2
3
4
Y.4rt
Patch scale data

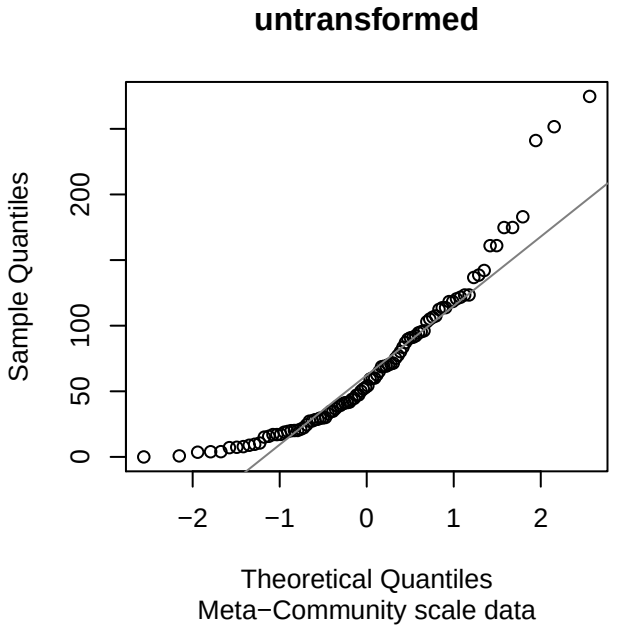

untransformed
Sample Quantiles
0
50
150
250
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data
log10−transformed
Sample Quantiles
0.0
0.5
1.0
1.5
2.0
2.5
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data
sqrt−transformed
Sample Quantiles
0
5
10
15
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data
4th−root−transformed
Sample Quantiles
0
1
2
3
4
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data

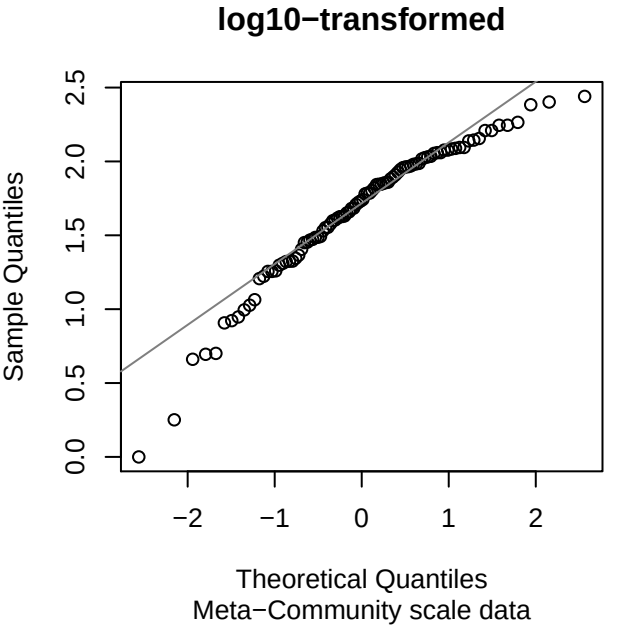

Histogram of Y
Frequency
0
10
20
30
40
0
50
100
150
200
250
300
Y
Meta−Community scale data

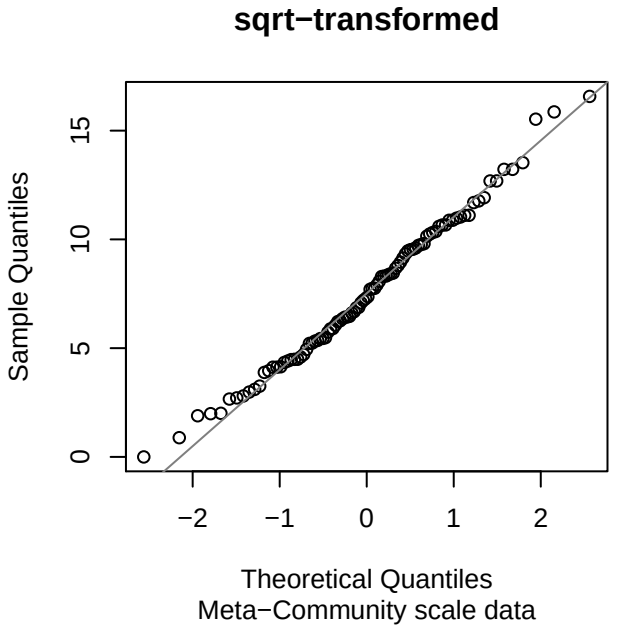

Histogram of Y.log
Frequency
0
10
20
30
40
0.0
0.5
1.0
1.5
2.0
2.5
Y.log
Meta−Community scale data

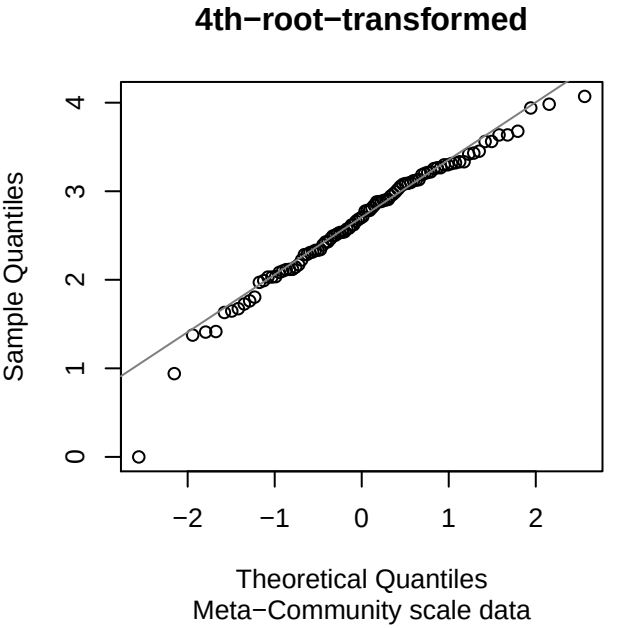

Histogram of Y.sqrt
Frequency
0
5
10
15
20
0
5
10
15
Y.sqrt
Meta−Community scale data

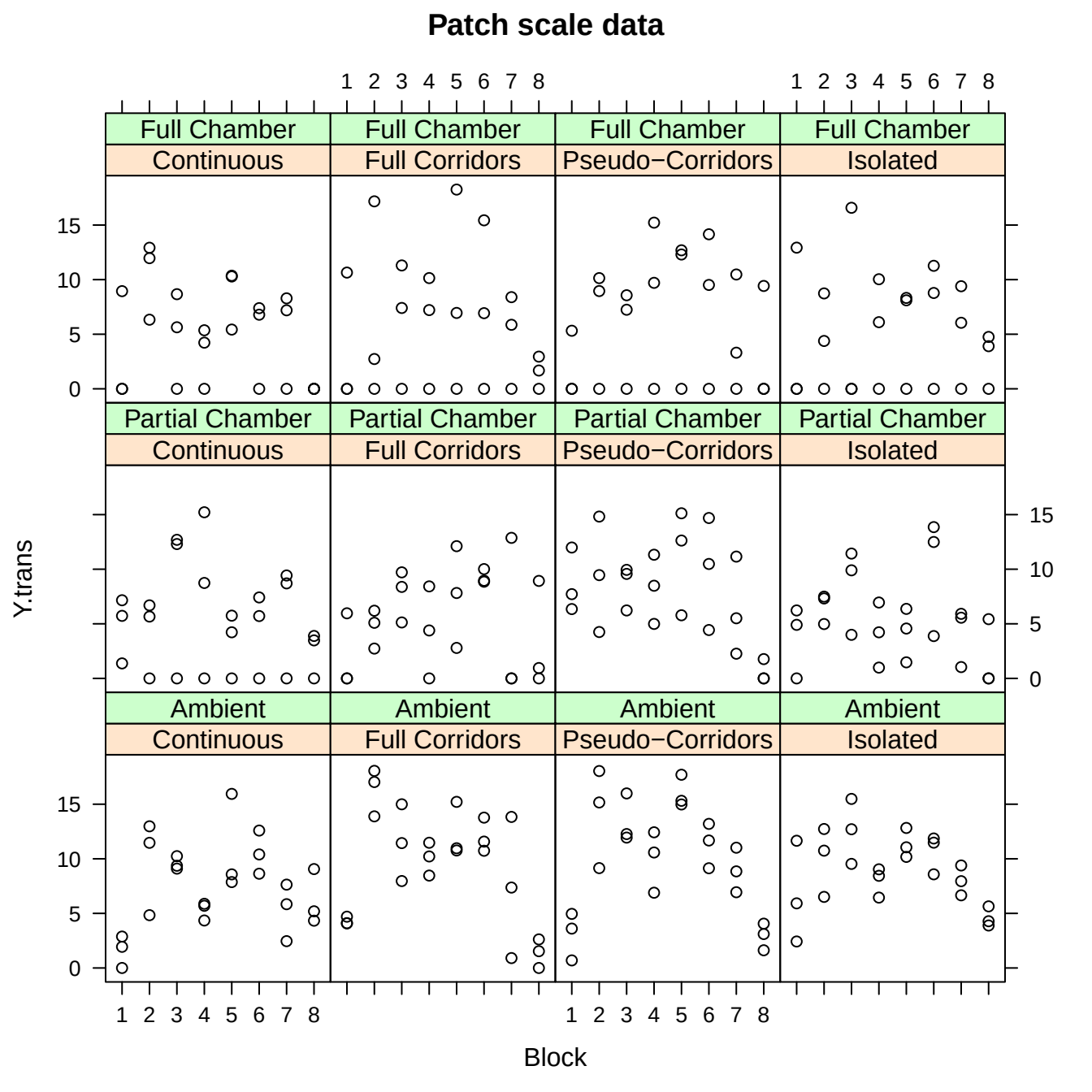

Histogram of Y.4rt
Frequency
0
5
10
15
20
25
0
1
2
3
4
Y.4rt
Meta−Community scale data

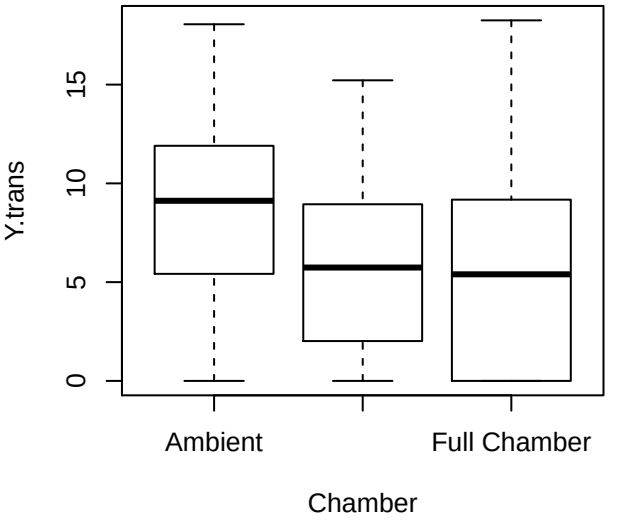

untransformed
Sample Quantiles
0
50
100
200
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

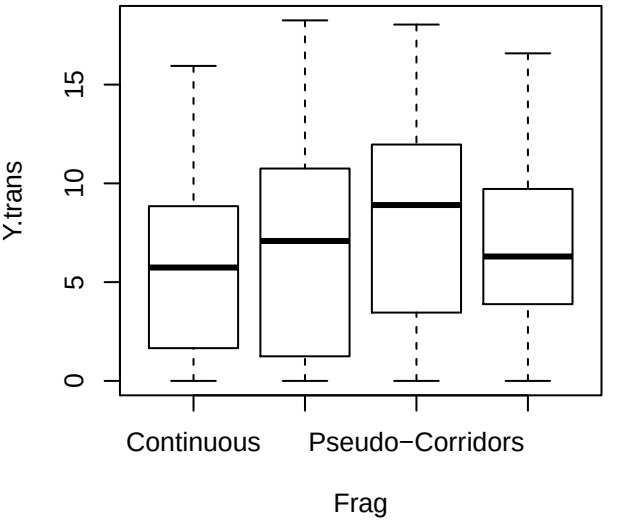

log10−transformed
Sample Quantiles
0.0
0.5
1.0
1.5
2.0
2.5
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

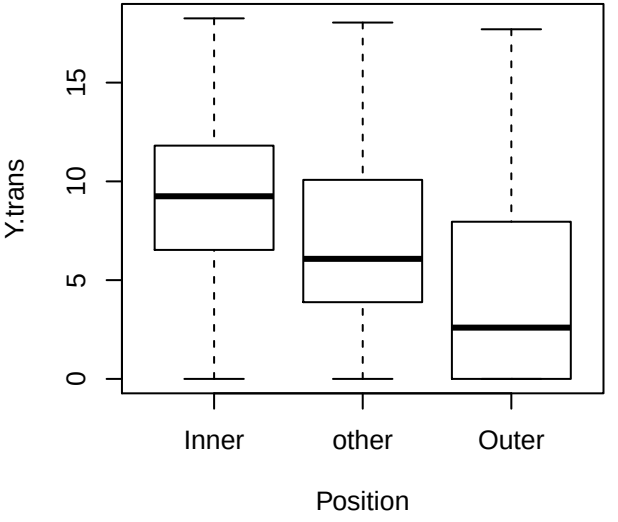

sqrt−transformed
Sample Quantiles
0
5
10
15
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

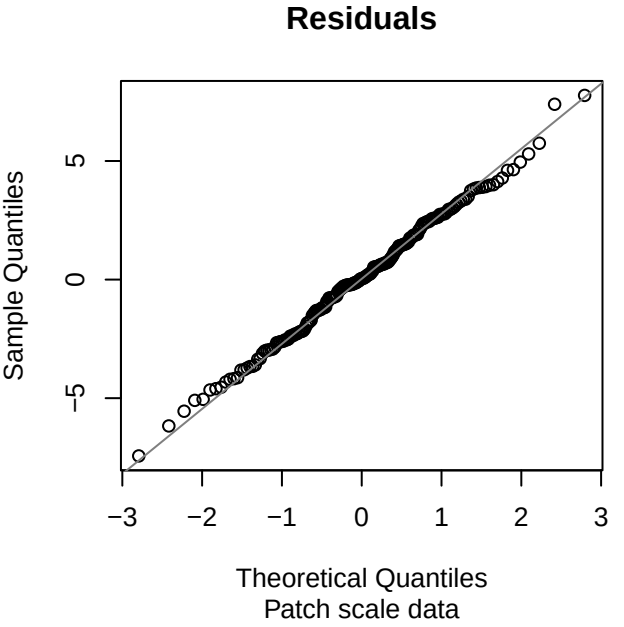

4th−root−transformed
Sample Quantiles
0
1
2
3
4
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

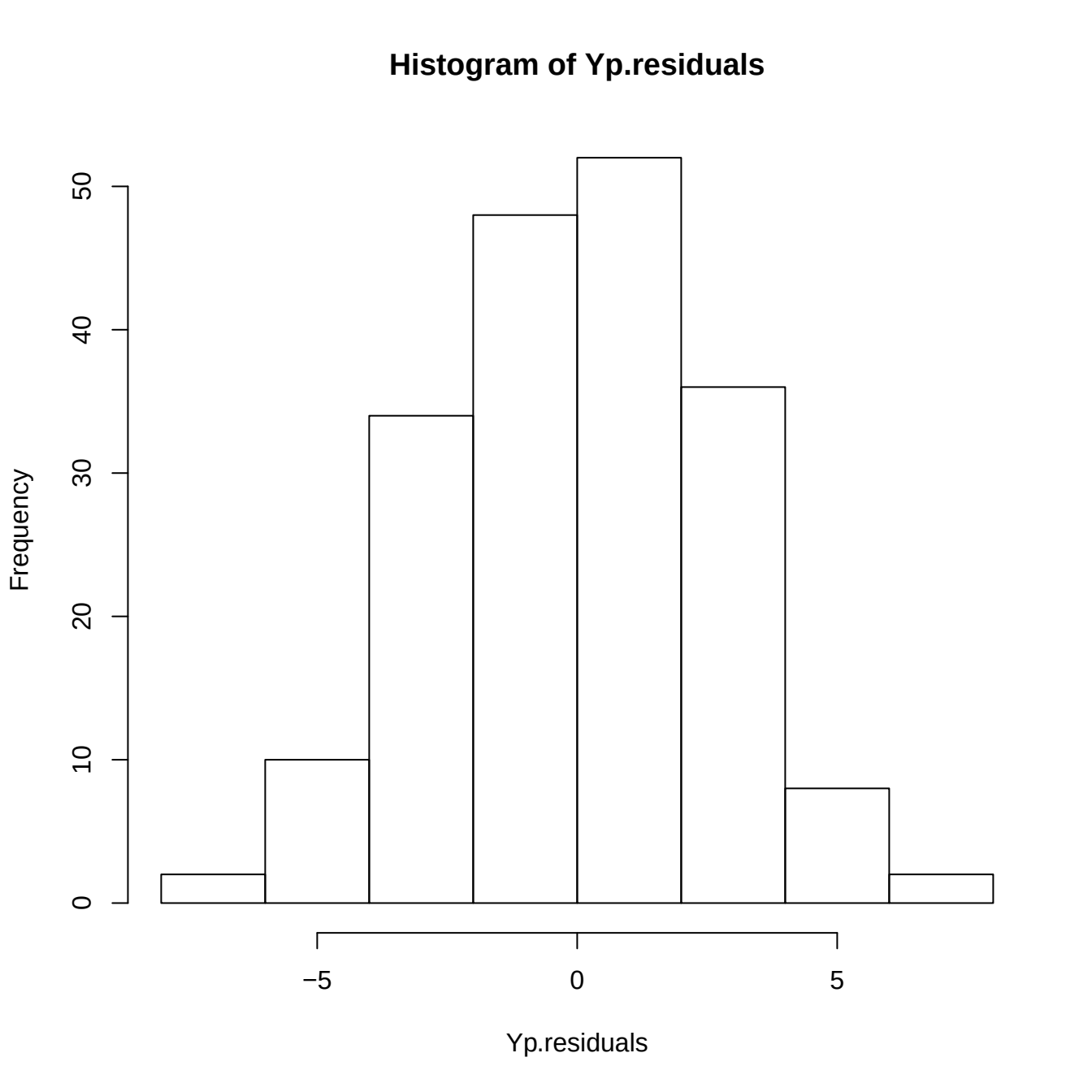

Patch scale data
Full Chamber
Continuous
Full Corridors
Pseudo−Corridors
Isolated
Partial Chamber
Ambient
Y.trans
Block

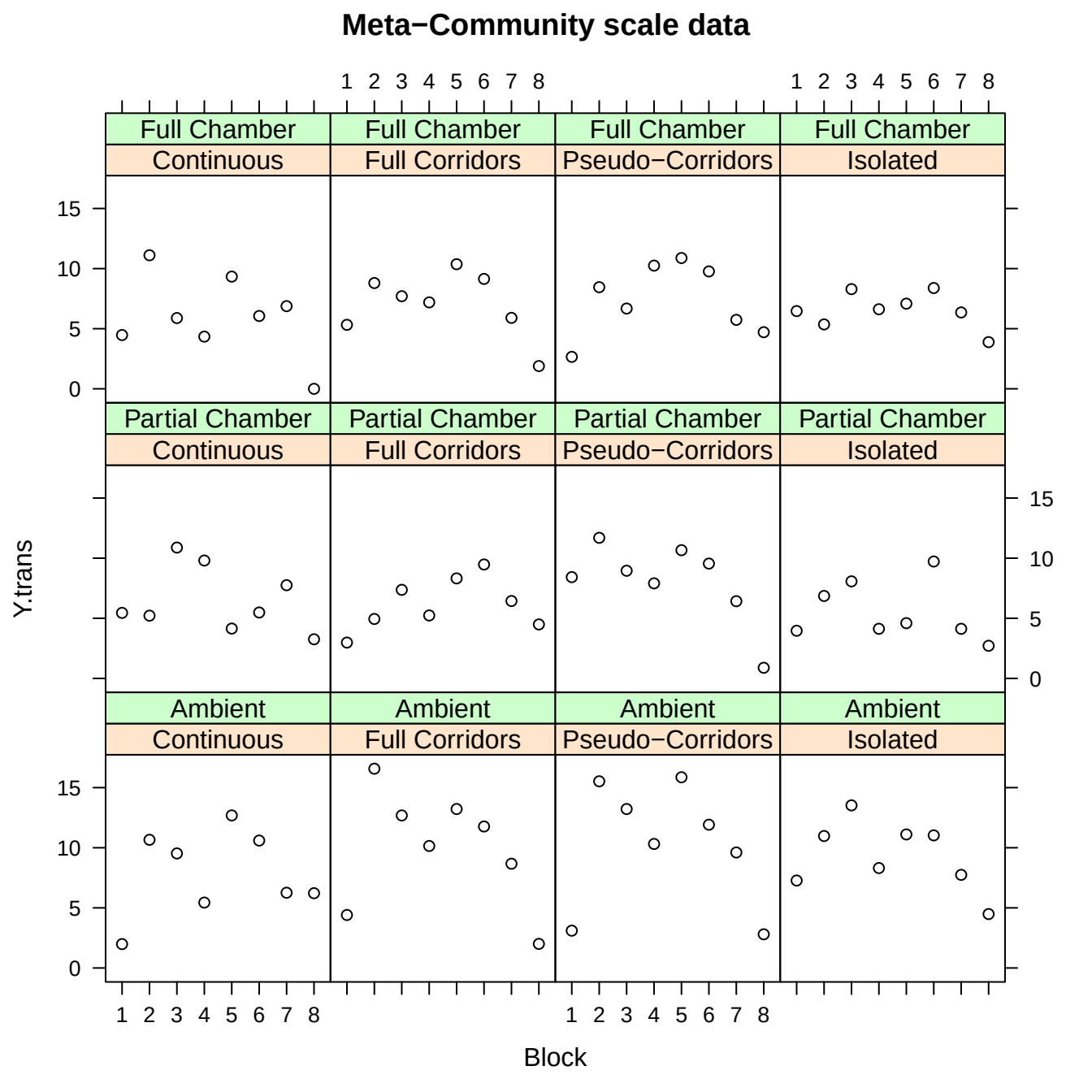

Y.trans
0
5
10
15
Ambient
Full Chamber
Chamber

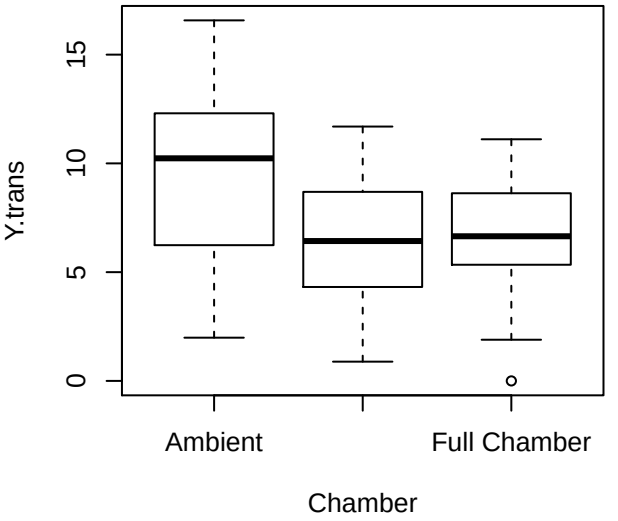

Y.trans
0
5
10
15
Continuous
Pseudo−Corridors
Frag

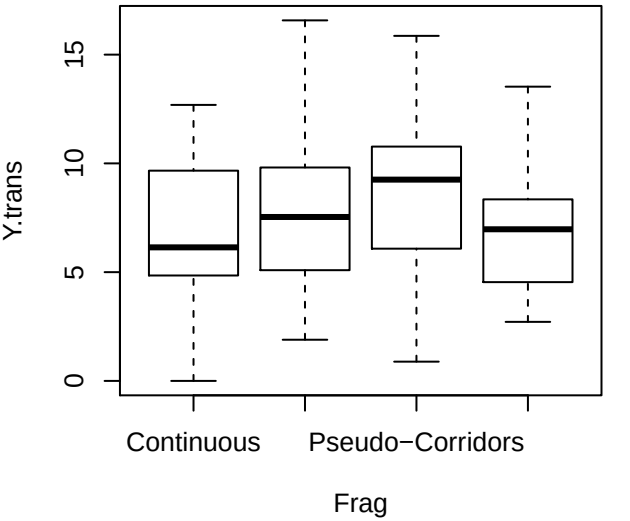

Y.trans
0
5
10
15
Inner
other
Outer
Position

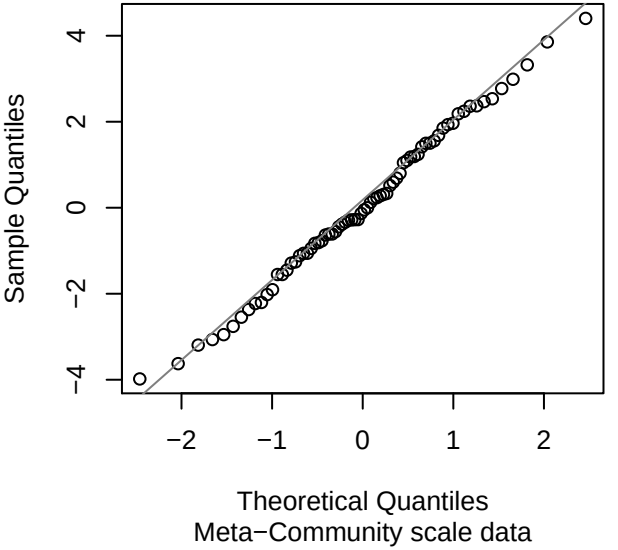

Residuals
Sample Quantiles
−5
0
5
−3
−2
−1
0
1
2
3
Theoretical Quantiles
Patch scale data

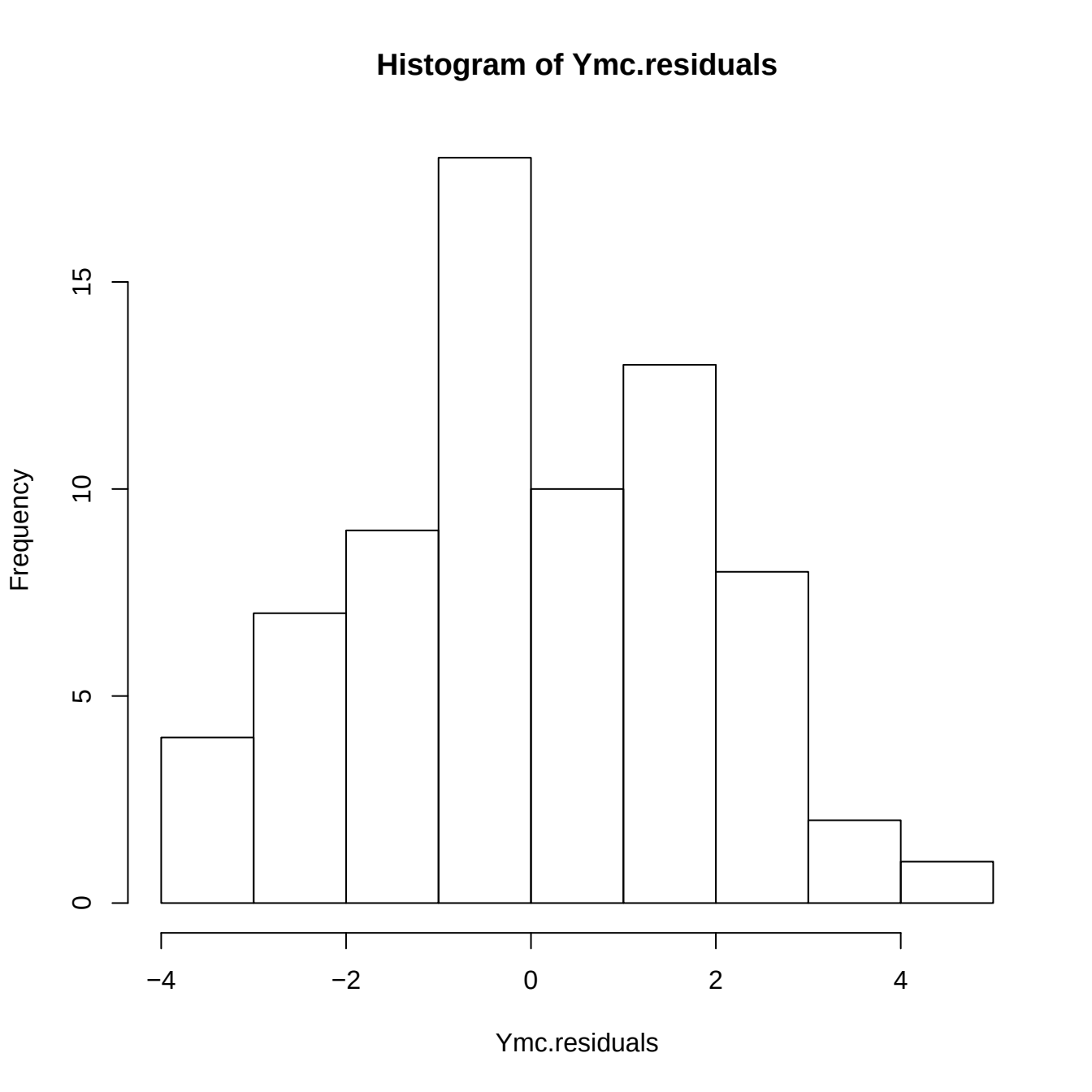

Histogram of Yp.residuals
Frequency
0
10
20
30
40
50
−5
0
5
Yp.residuals

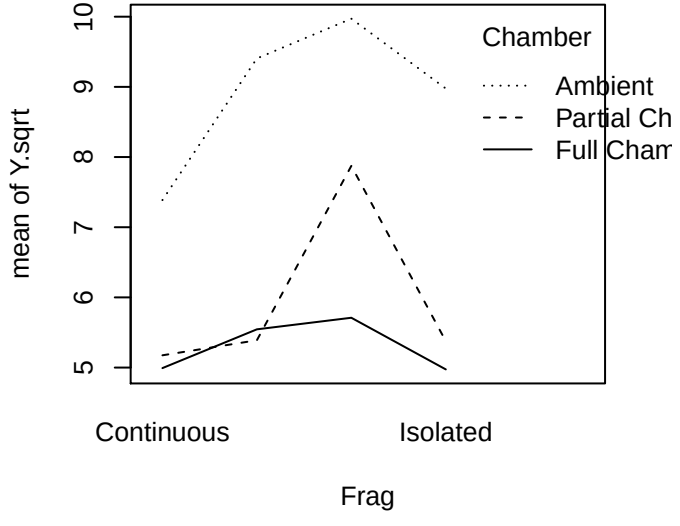

Meta−Community scale data
Full Chamber
Continuous
Full Chamber
Full Corridors
Full Chamber
Pseudo−Corridors
Full Chamber
Isolated
Partial Chamber
Continuous
Partial Chamber
Full Corridors
Partial Chamber
Pseudo−Corridors
Partial Chamber
Isolated
Ambient
Continuous
Ambient
Full Corridors
Ambient
Pseudo−Corridors
Ambient
Isolated
Y.trans
Block
0
5
10
15
1 2 3 4 5 6 7 8

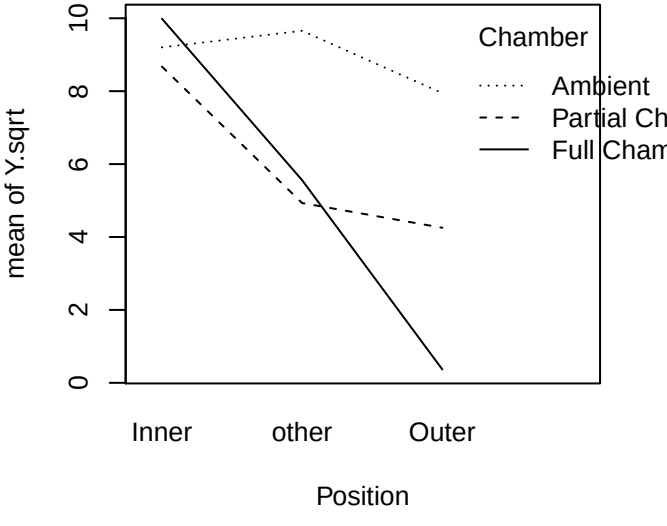

Y.trans
0
5
10
15
Ambient
Full Chamber
Chamber

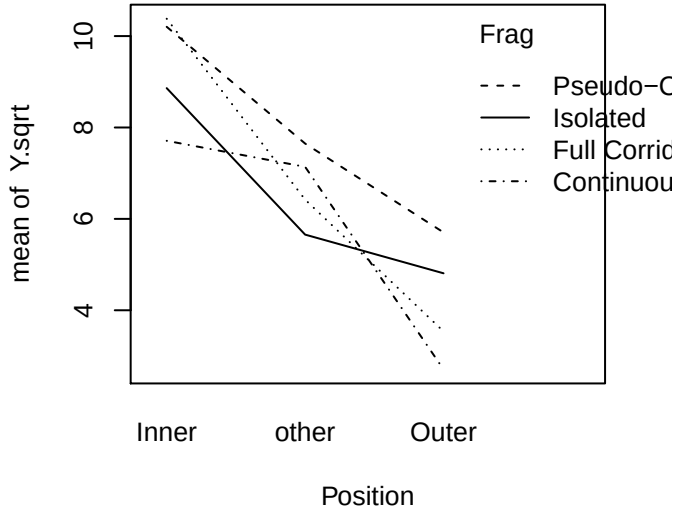

Y.trans
0
5
10
15
Continuous
Pseudo−Corridors
Frag

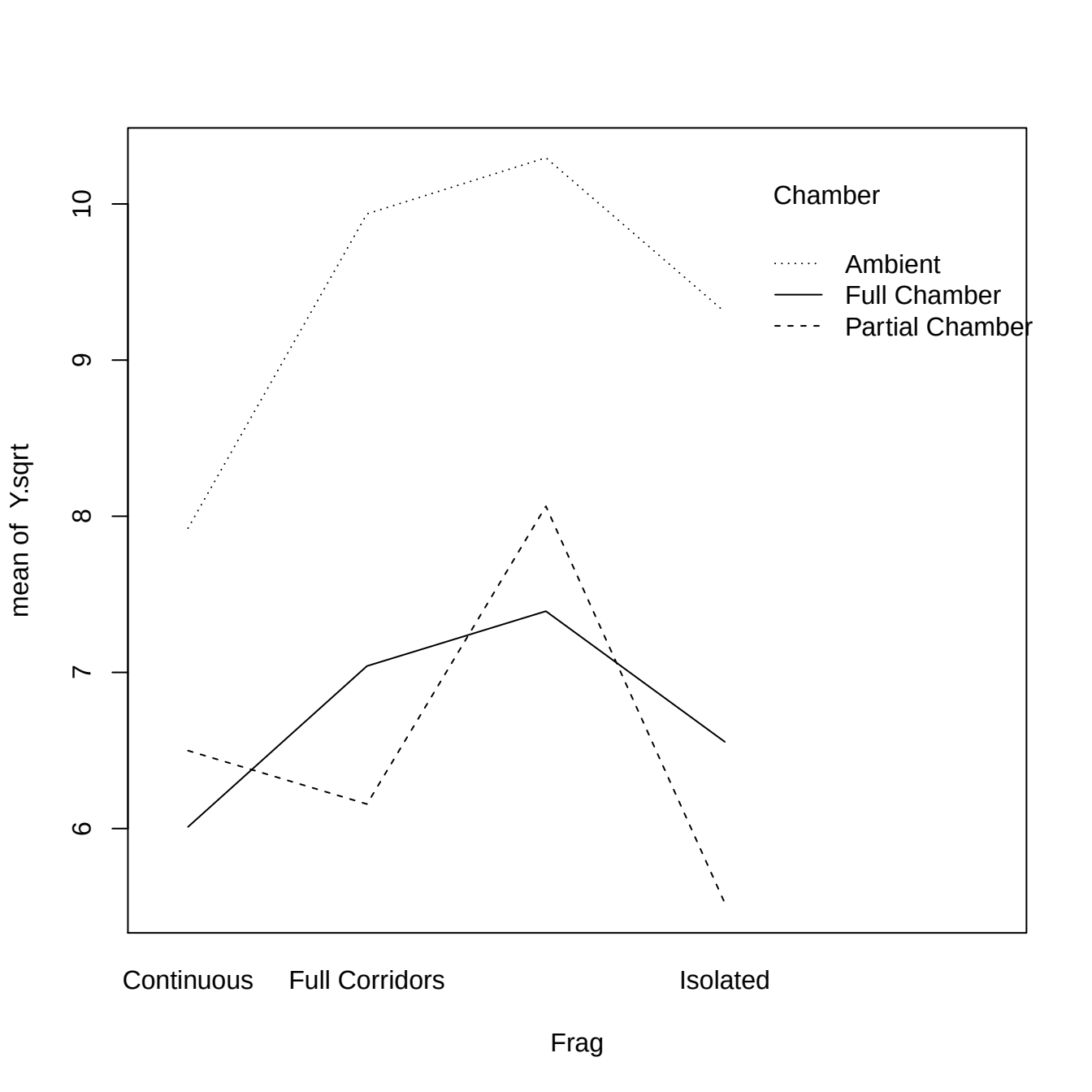

Residuals
Sample Quantiles
−4
−2
0
2
4
−2
−1
0
1
2
Theoretical Quantiles
Meta−Community scale data

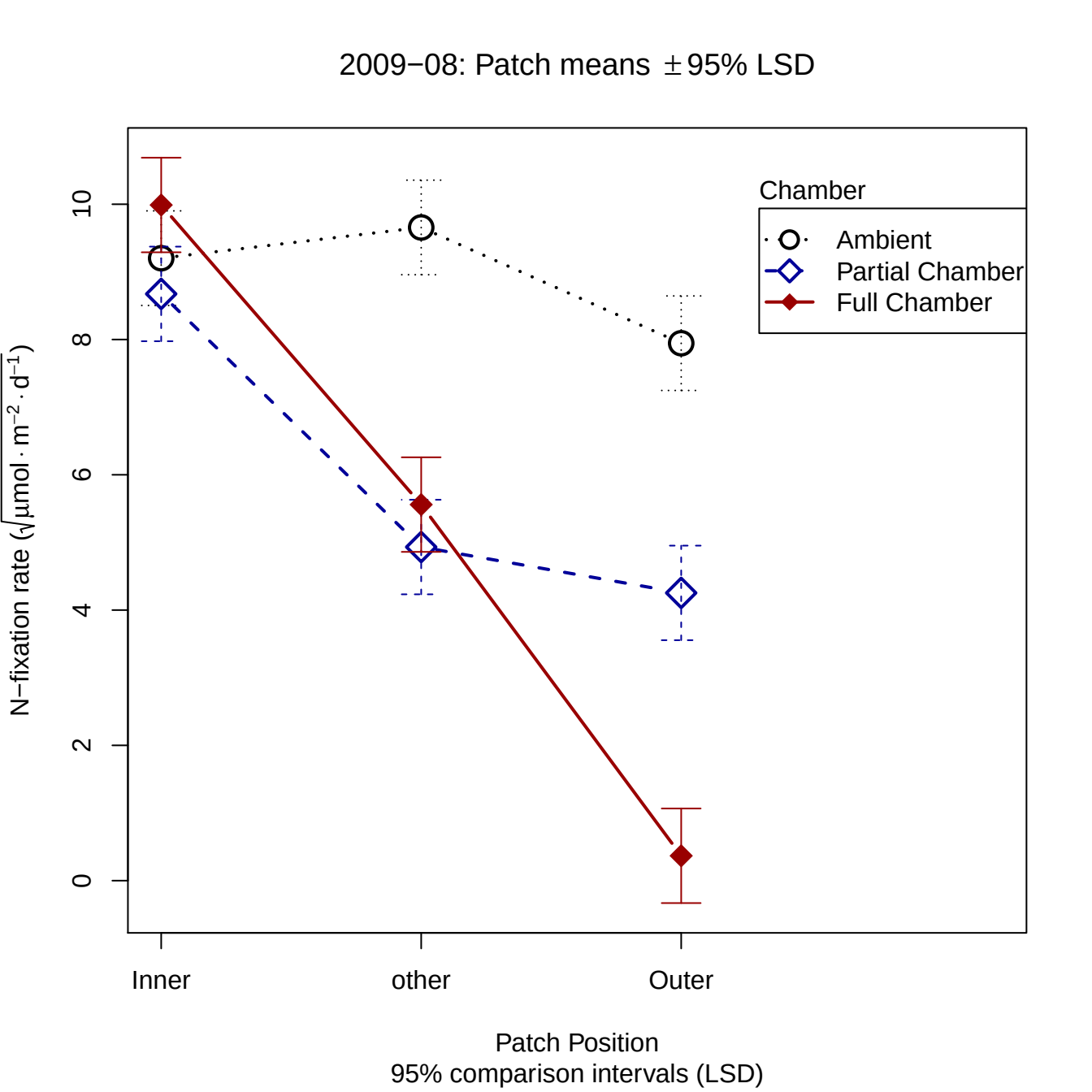

Histogram of Ymc.residuals
Frequency
0
5
10
15
−4
−2
0
2
4
Ymc.residuals

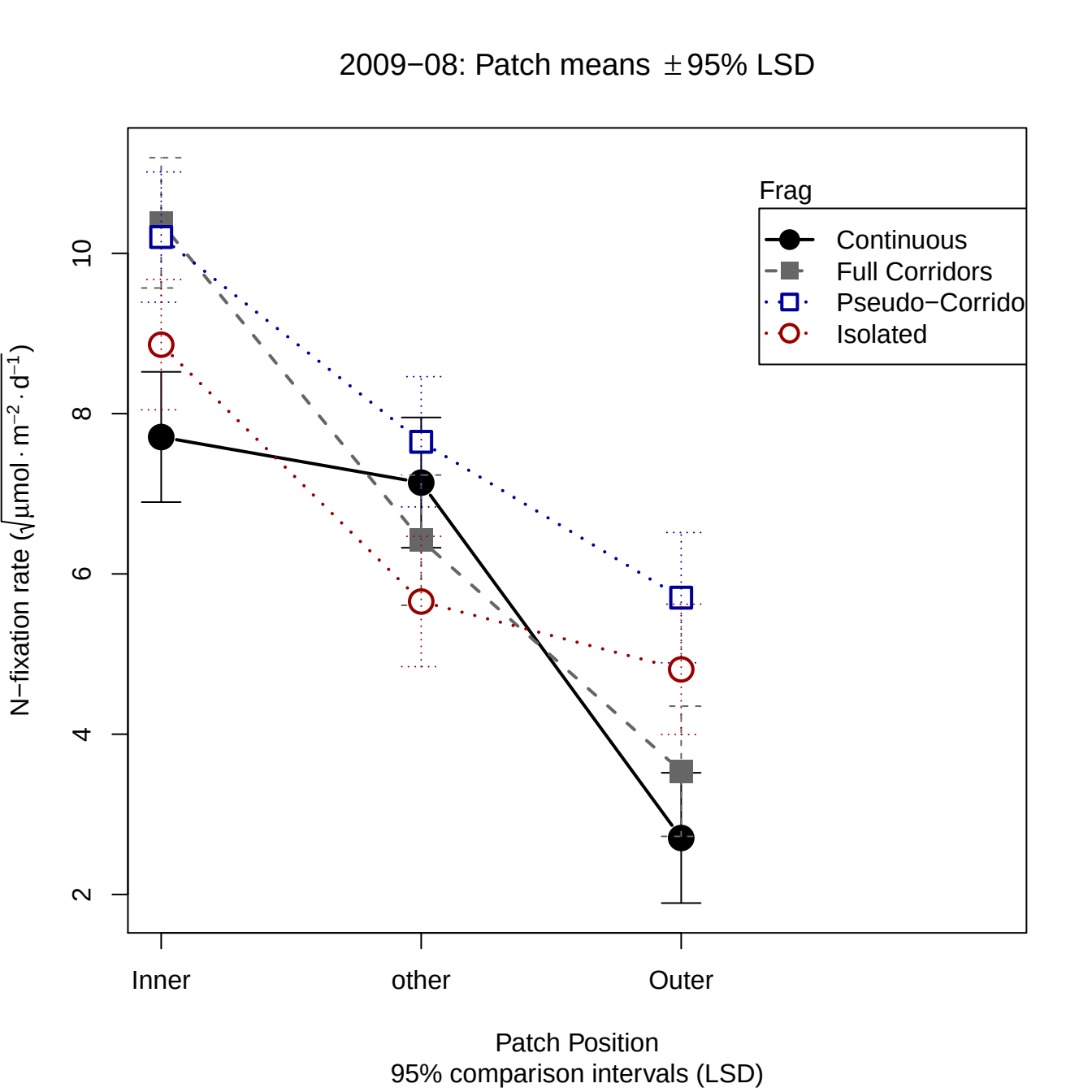

mean of Y.sqrt
10
9
8
7
6
5
Chamber
Ambient
Partial Ch
Full Cham
Continuous
Isolated
Frag

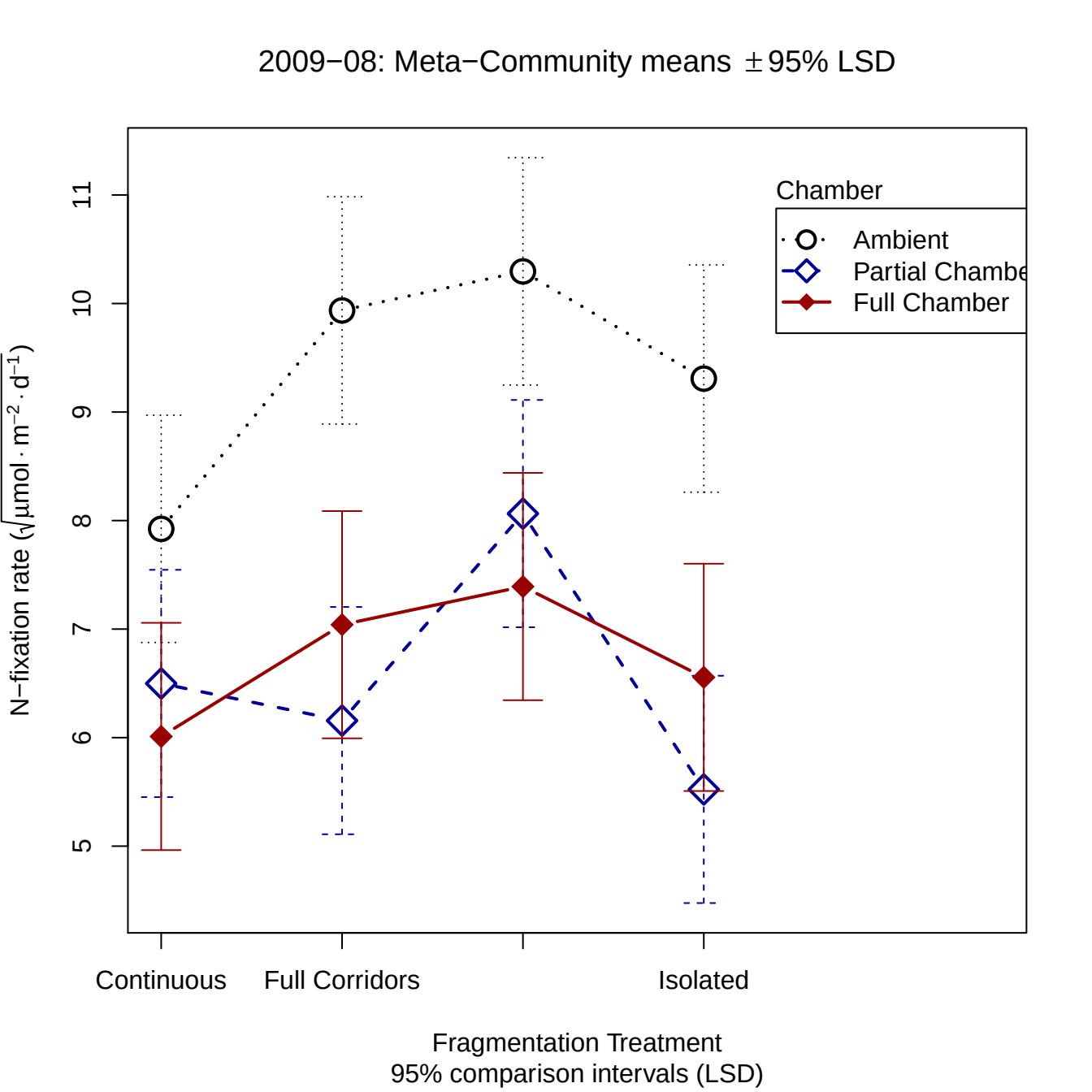

mean of Y.sqrt
10
8
6
4
2
0
Chamber
Ambient
Partial Ch
Full Cham
Inner
other
Outer
Position

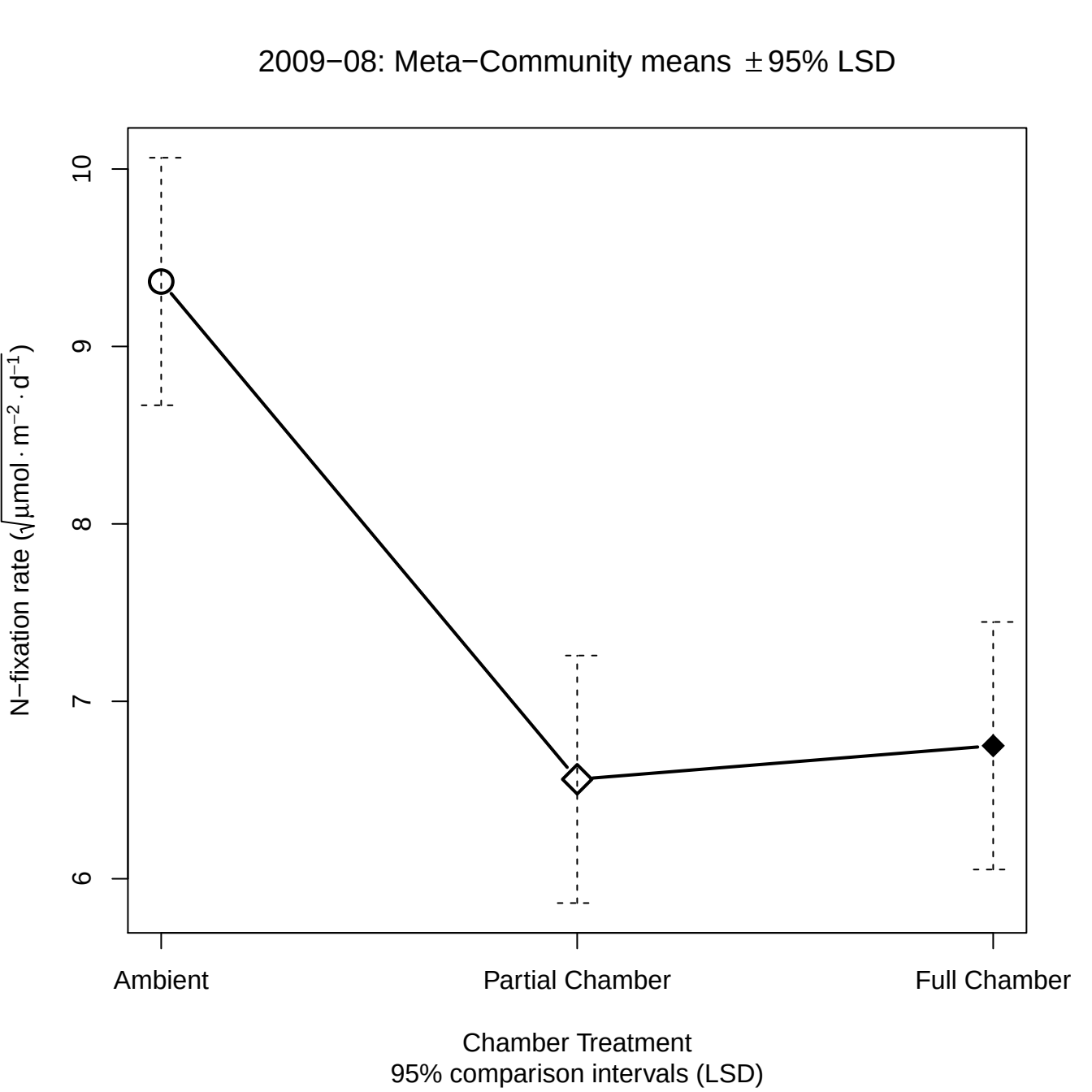

mean of Y.sqrt
10
8
6
4
Frag
Pseudo−C
Isolated
Full Corric
Continuou
Inner
other
Outer
Position

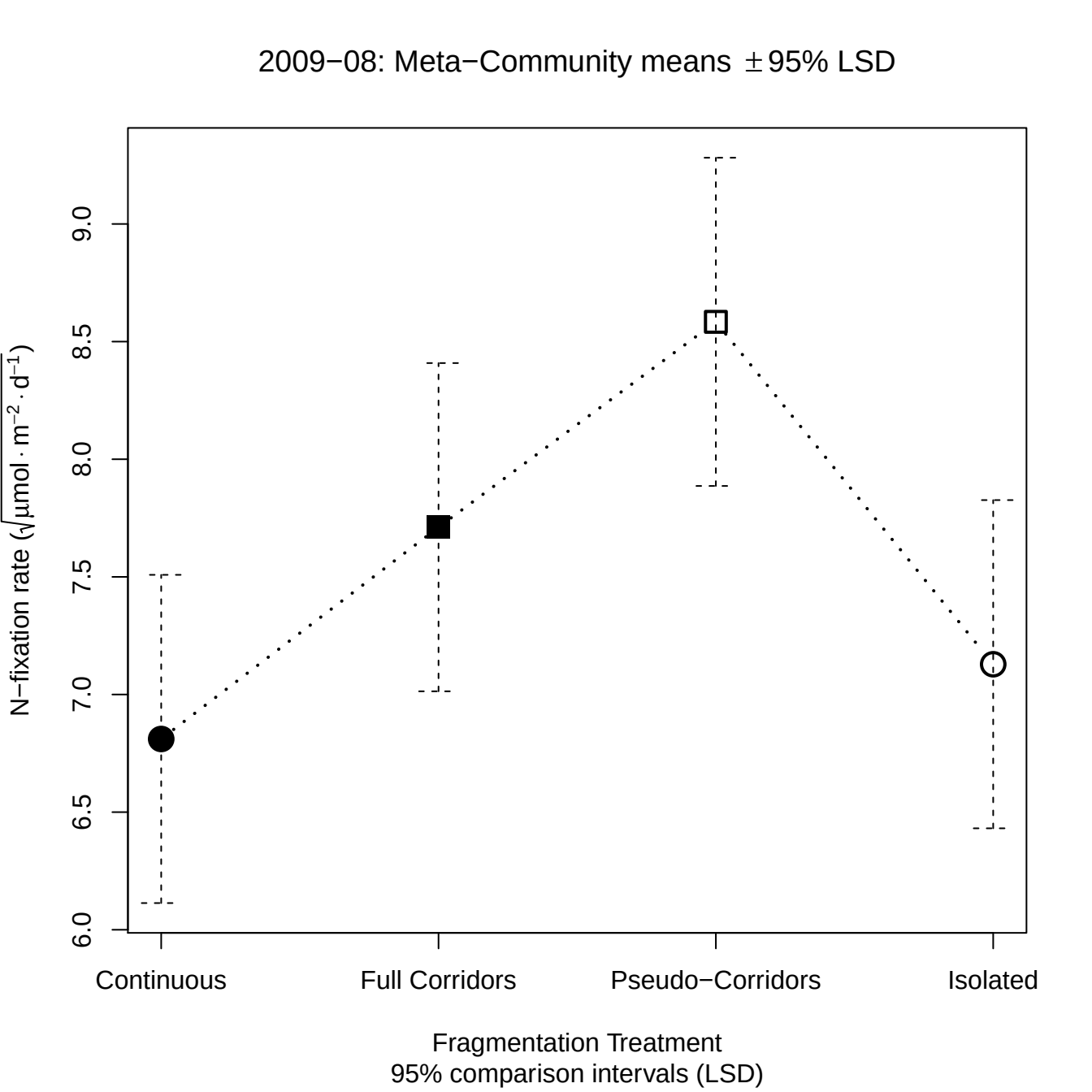

Chamber
Ambient
Full Chamber
Partial Chamber
mean of Y.sqrt
6
7
8
9
10
Continuous
Full Corridors
Isolated
Frag


2009−08: Patch means ±95% LSD
Chamber
Ambient
Partial Chamber
Full Chamber
N−fixation rate ($\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$)
0
2
4
6
8
10
Inner
other
Outer
Patch Position
95% comparison intervals (LSD)


2009−08: Patch means ±95% LSD
Frag
Continuous
Full Corridors
Pseudo−Corrido
Isolated
N−fixation rate ($\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$)
2
4
6
8
10
Inner
other
Outer
Patch Position
95% comparison intervals (LSD)


2009−08: Meta−Community means ±95% LSD
Chamber
Ambient
Partial Chambe
Full Chamber
N−fixation rate ($\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$)
5
6
7
8
9
10
11
Continuous
Full Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (LSD)


2009−08: Meta−Community means ±95% LSD
N−fixation rate ($\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$)
10
9
8
7
6
Ambient
Partial Chamber
Full Chamber
Chamber Treatment
95% comparison intervals (LSD)


2009−08: Meta−Community means ±95% LSD
N−fixation rate ($\sqrt{\mu mol \cdot m^{-2} \cdot d^{-1}}$)
6.0
6.5
7.0
7.5
8.0
8.5
9.0
Continuous
Full Corridors
Pseudo−Corridors
Isolated
Fragmentation Treatment
95% comparison intervals (LSD)