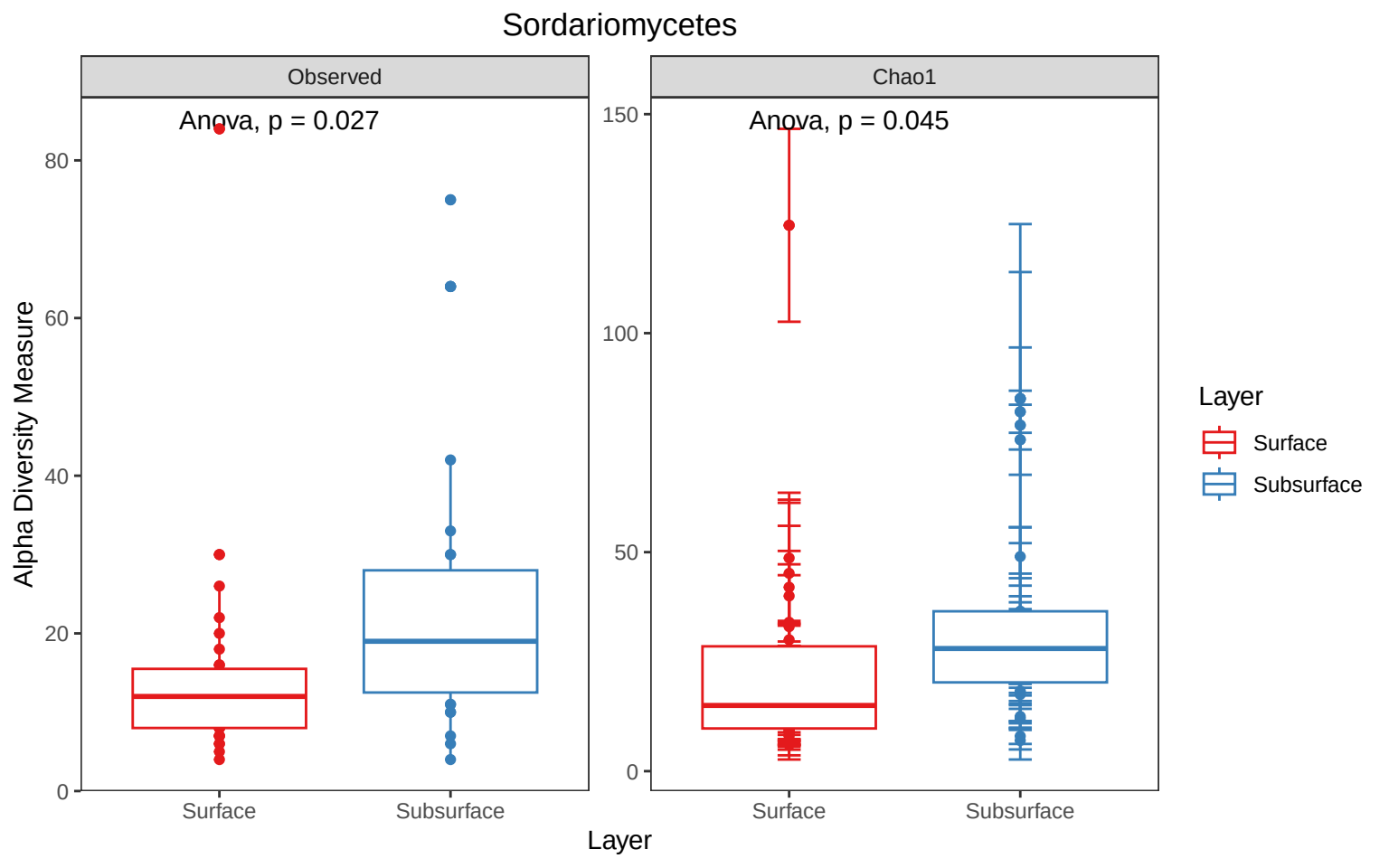
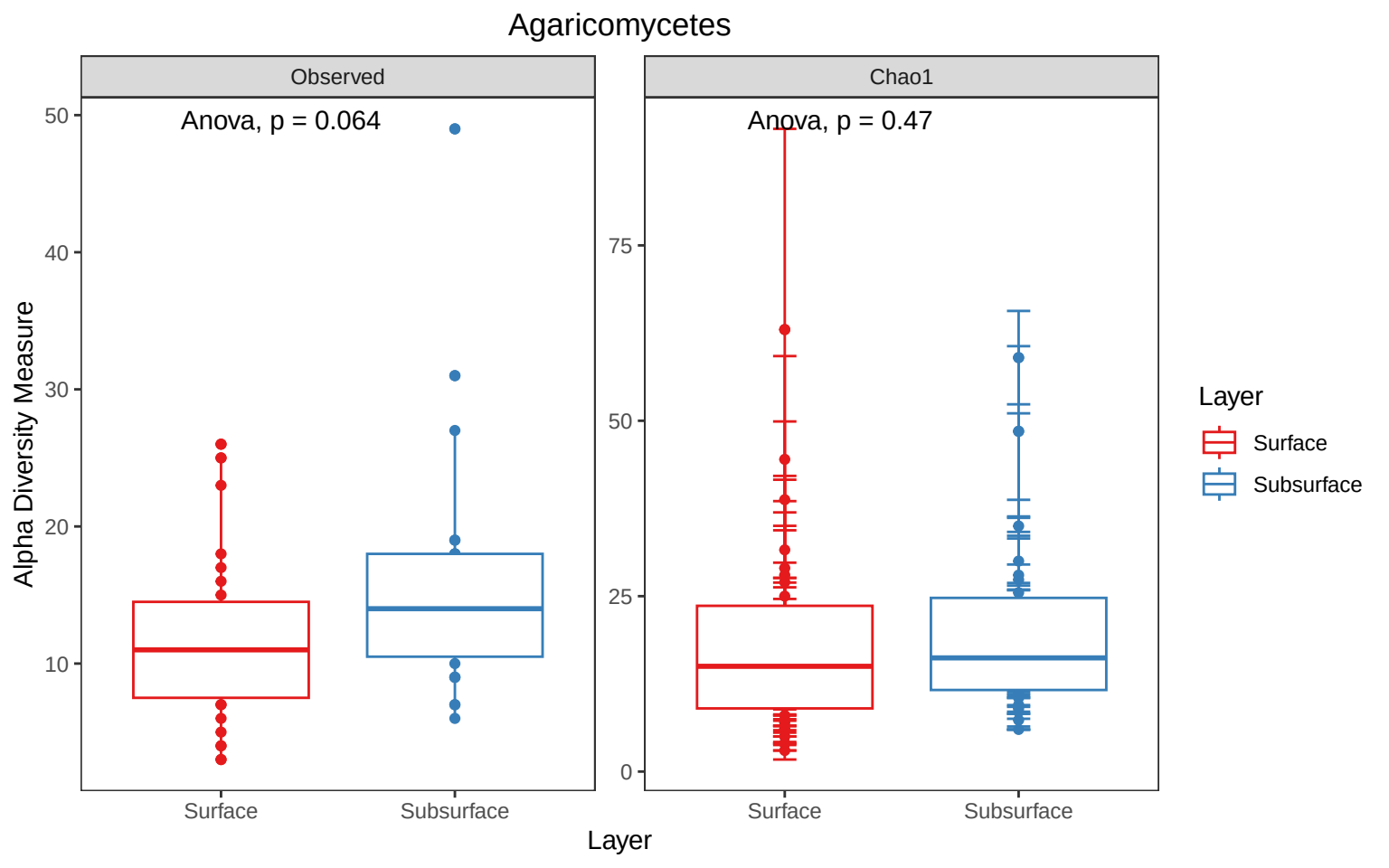
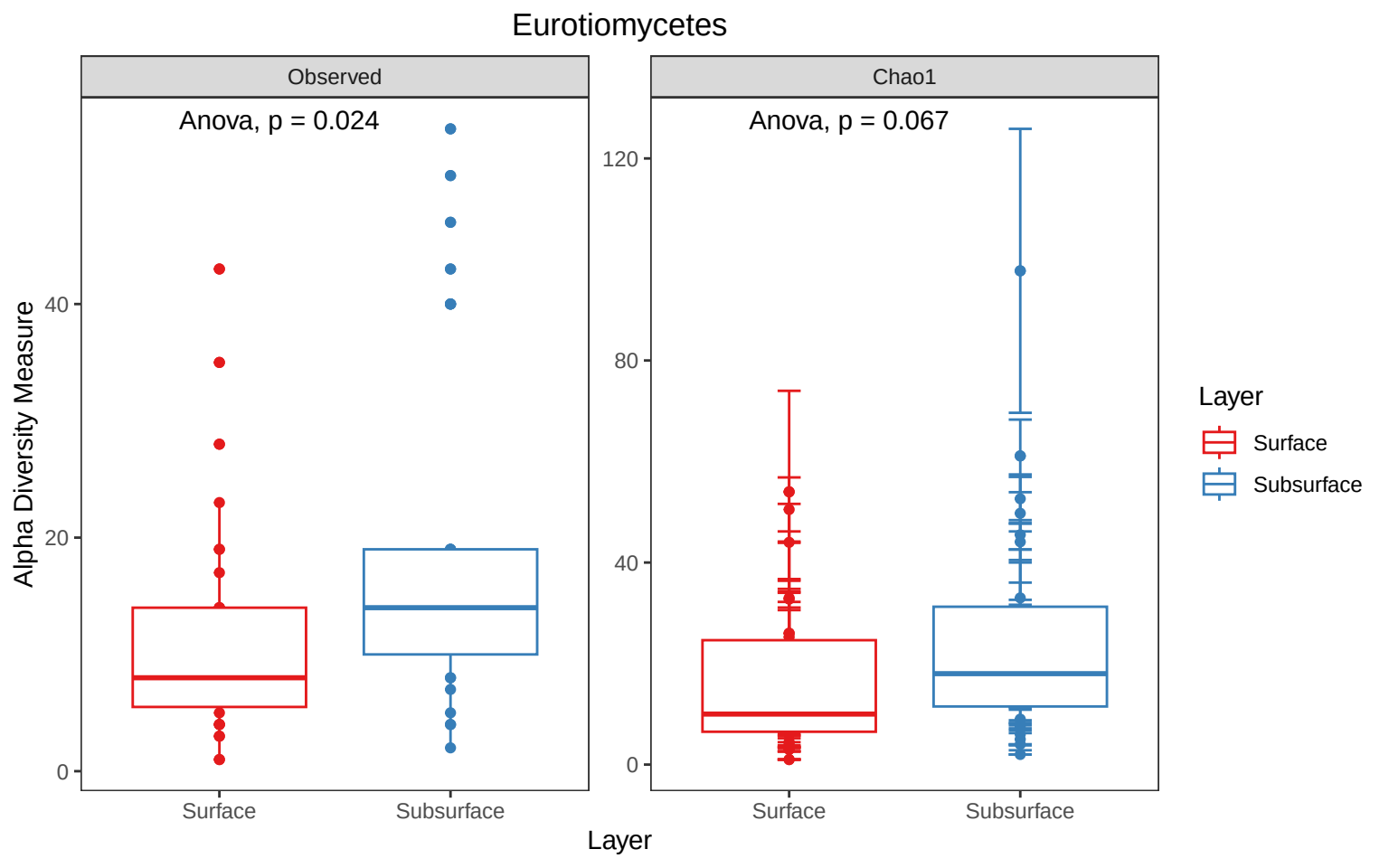
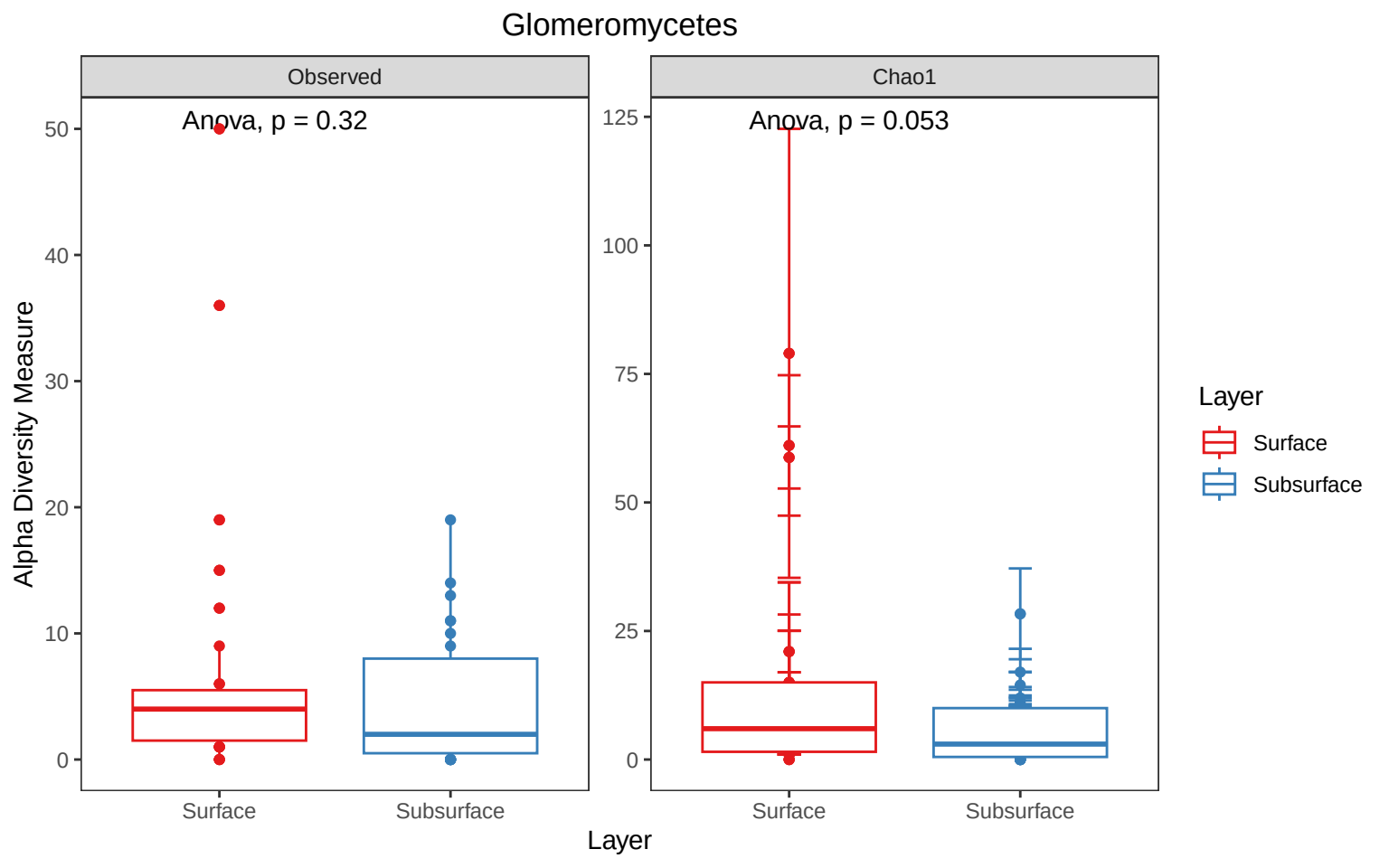
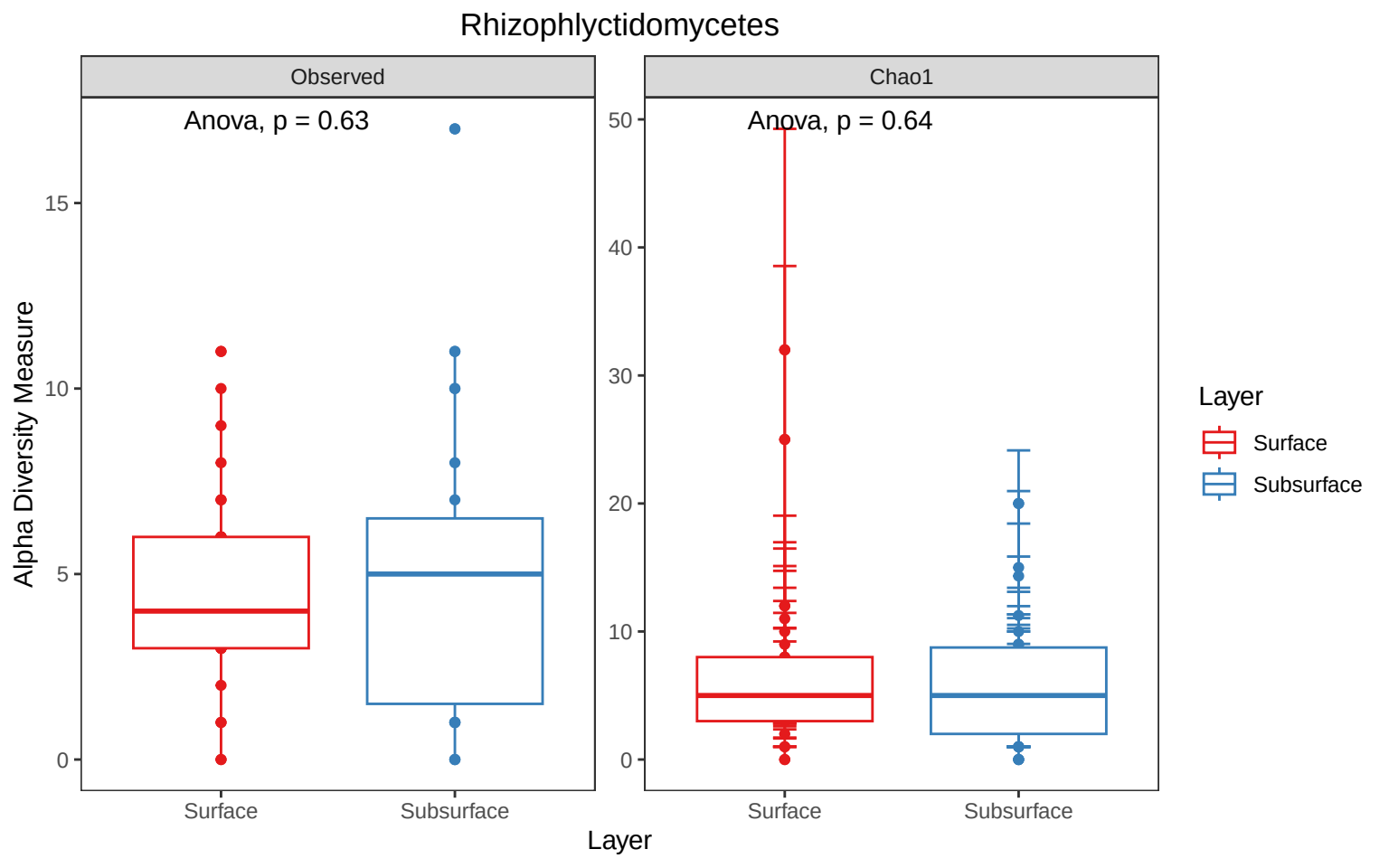
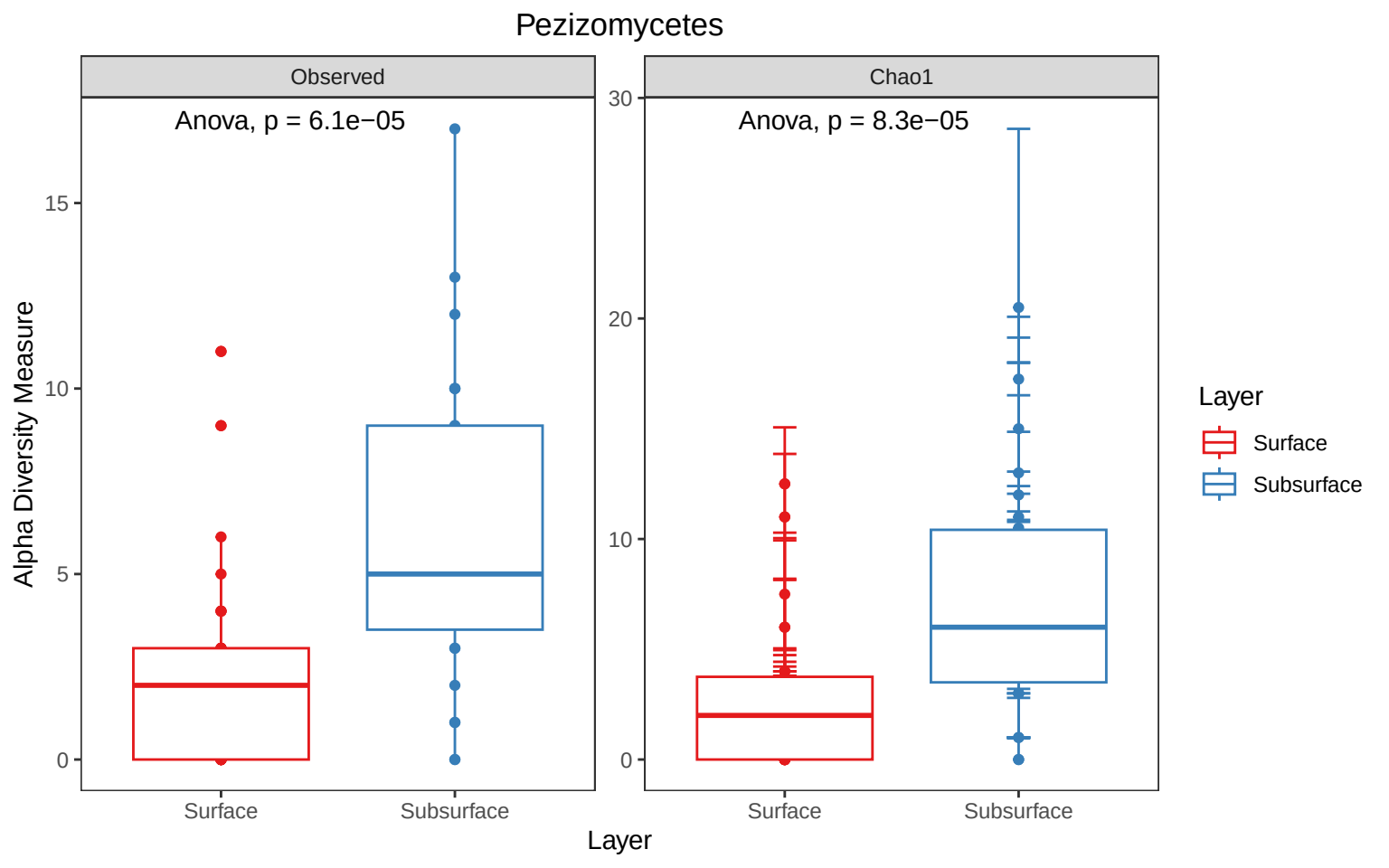

Sordariomycetes
Observed
Chao1
Anova, p = 0.027
Anova, p = 0.045
Alpha Diversity Measure
0
20
40
60
80
0
50
100
150
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

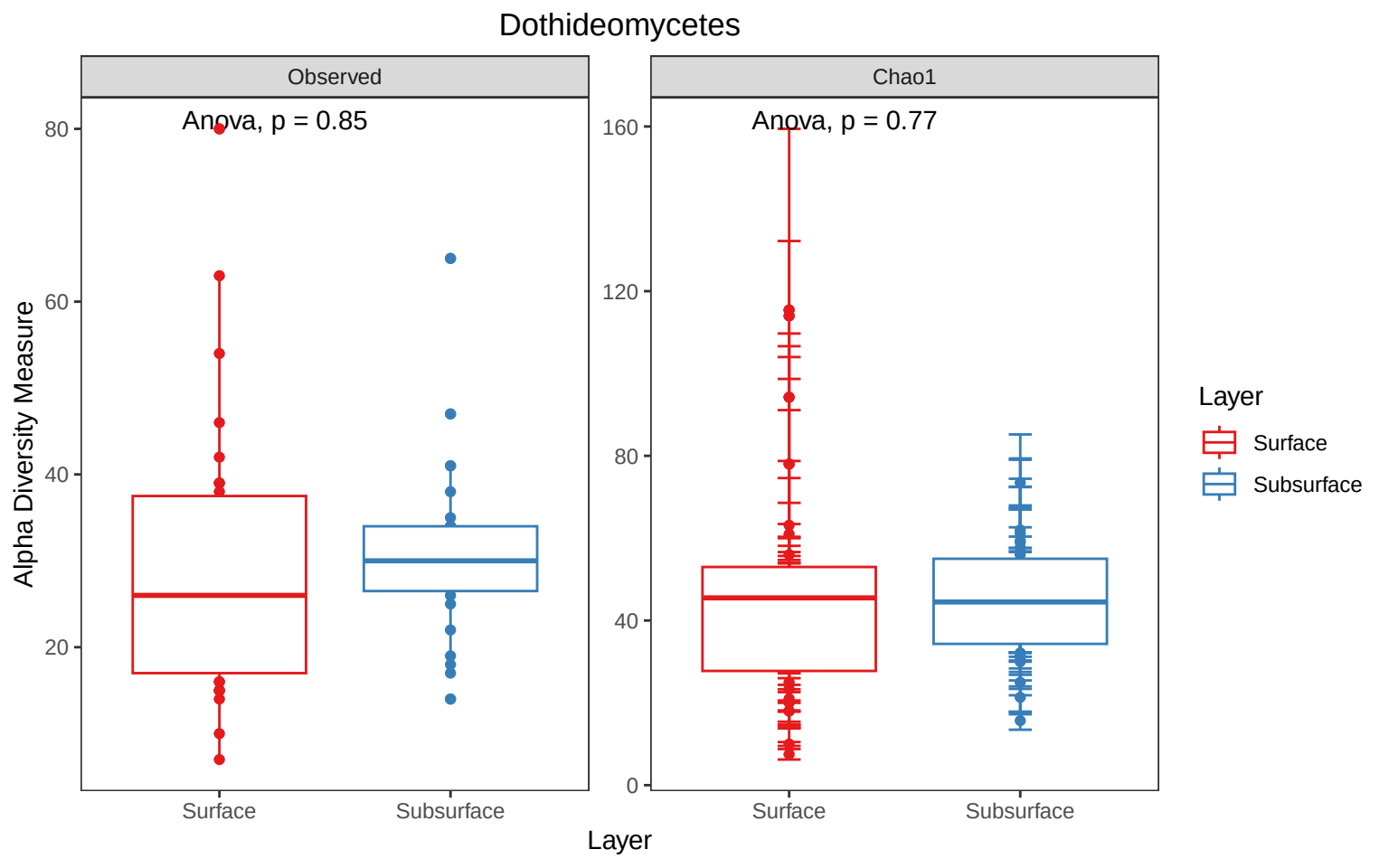

Agaricomycetes
Observed
Chao1
Anova, p = 0.064
Anova, p = 0.47
Alpha Diversity Measure
50
40
30
20
10
75
50
25
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

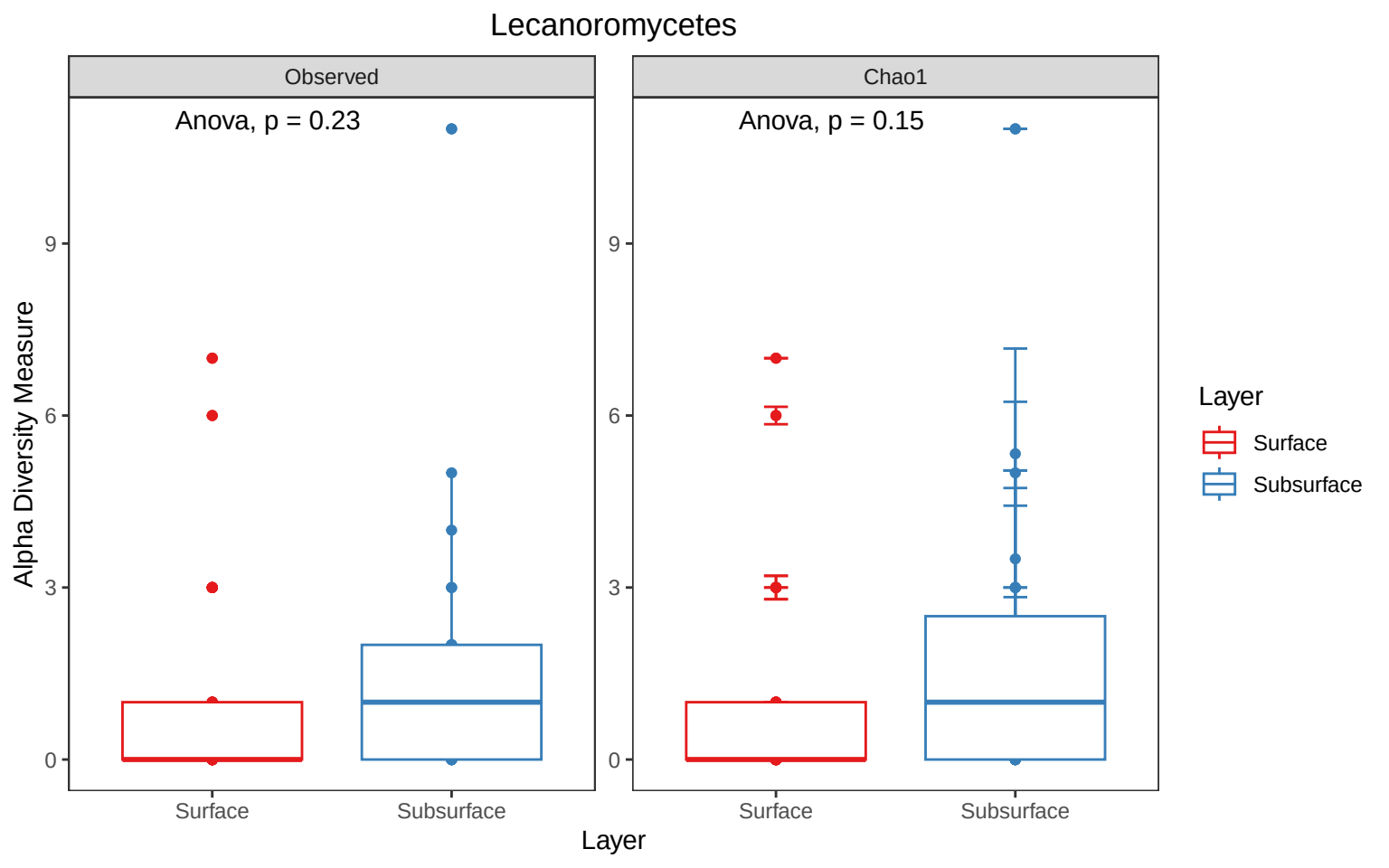

Eurotiomycetes
Observed
Chao1
Anova, p = 0.024
Anova, p = 0.067
Alpha Diversity Measure
0
20
40
80
120
Surface
Subsurface
Layer
Layer
Surface
Subsurface

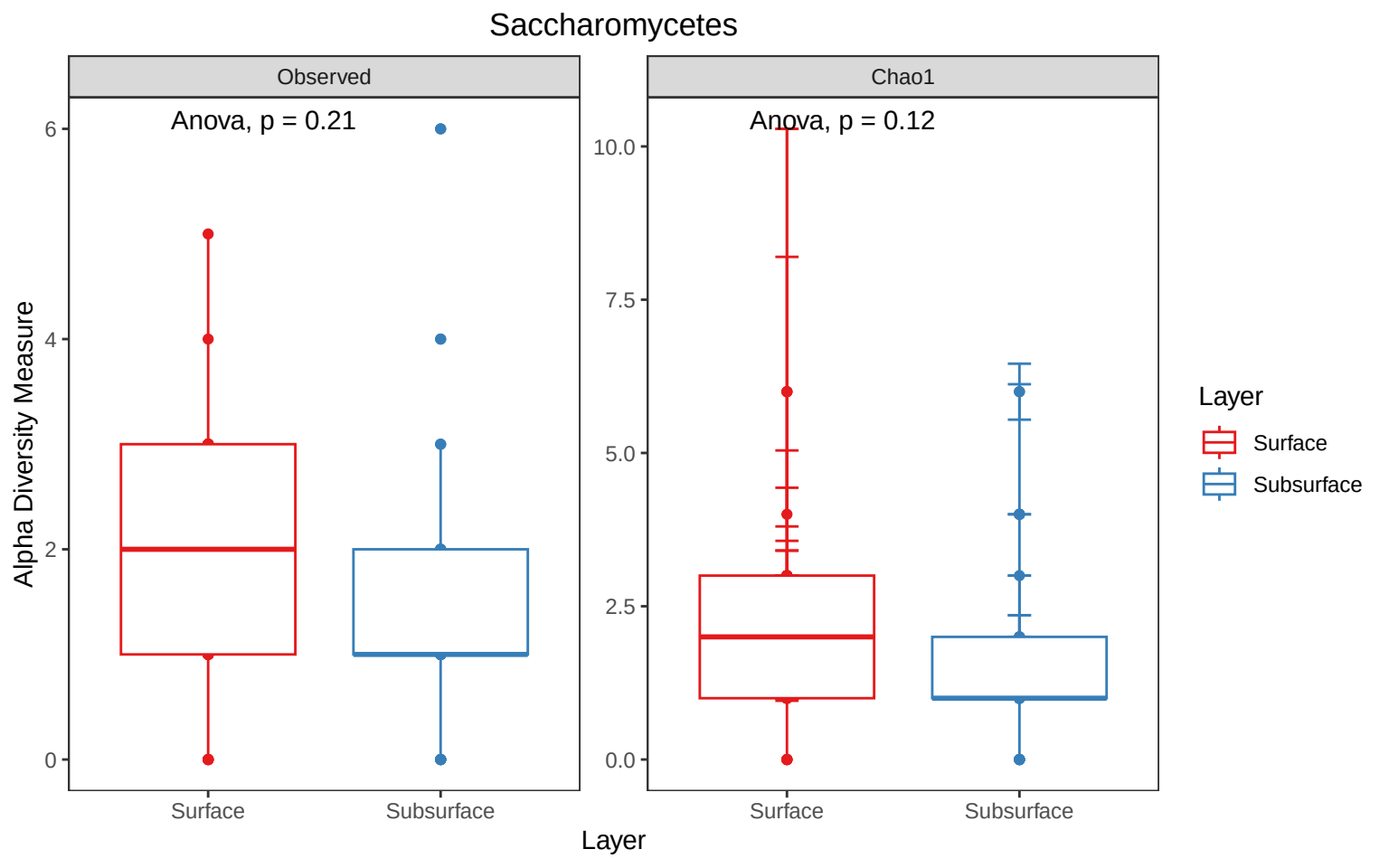

Glomeromycetes
Observed
Chao1
Anova, p = 0.32
Anova, p = 0.053
Alpha Diversity Measure
0
10
20
30
40
50
0
25
50
75
100
125
Surface
Subsurface
Layer
Layer
Surface
Subsurface

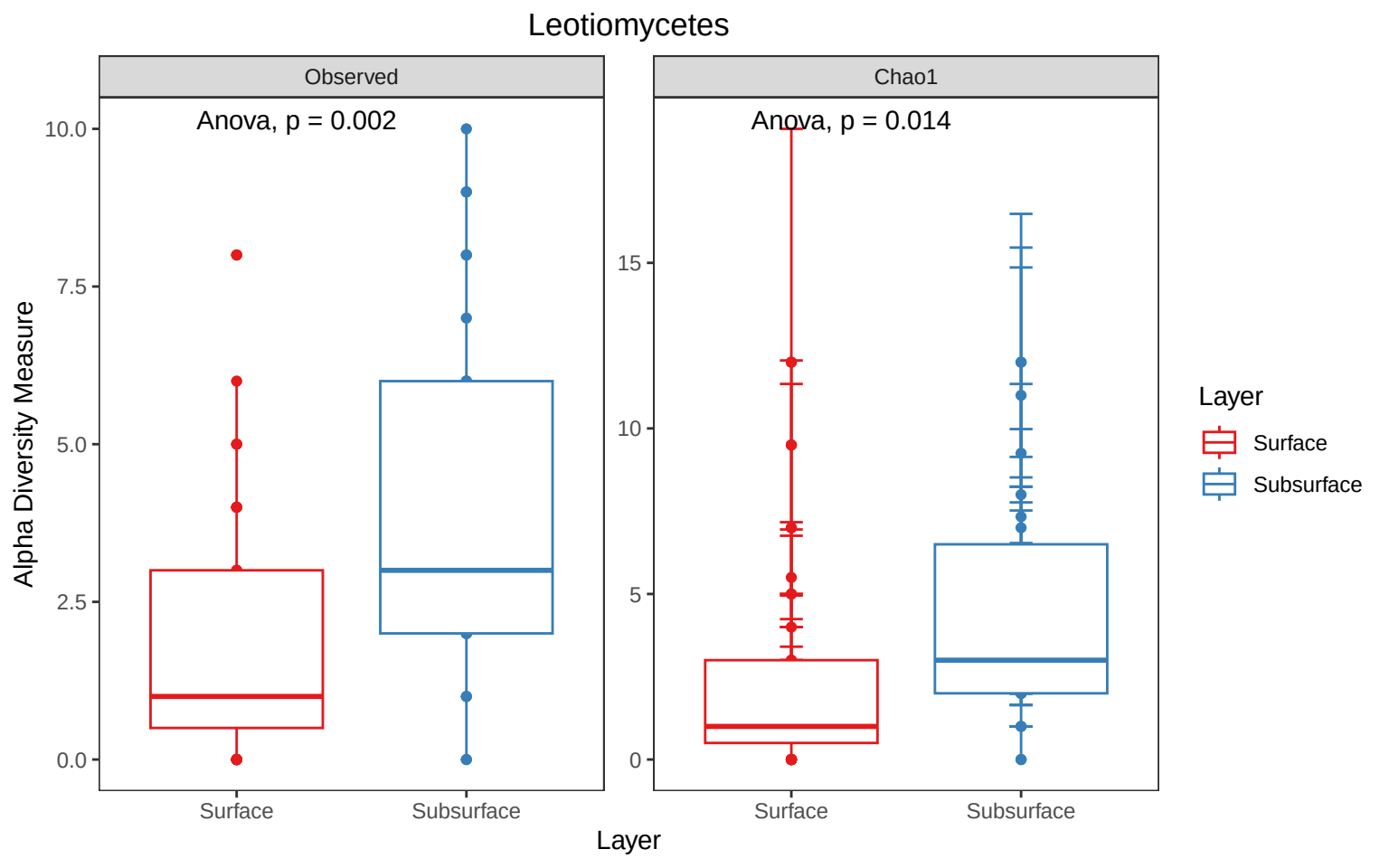

Rhizophlyctidomycetes
Observed
Chao1
Anova, p = 0.63
Anova, p = 0.64
Alpha Diversity Measure
0
5
10
15
0
10
20
30
40
50
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

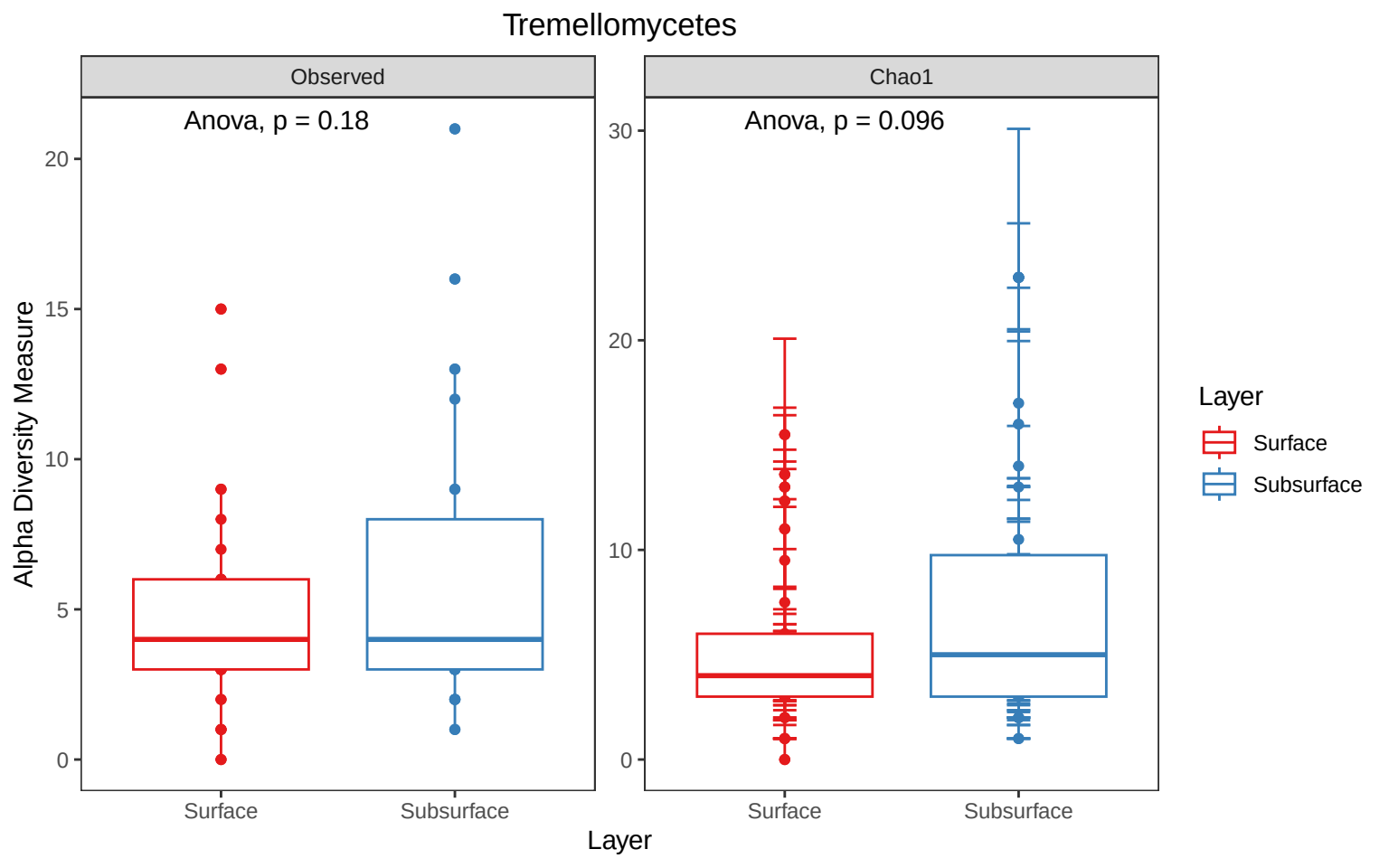

Pezizomycetes
Observed
Chao1
Anova, p = 6.1e−05
Anova, p = 8.3e−05
Alpha Diversity Measure
0
5
10
15
20
30
Surface
Subsurface
Layer
Layer
Surface
Subsurface

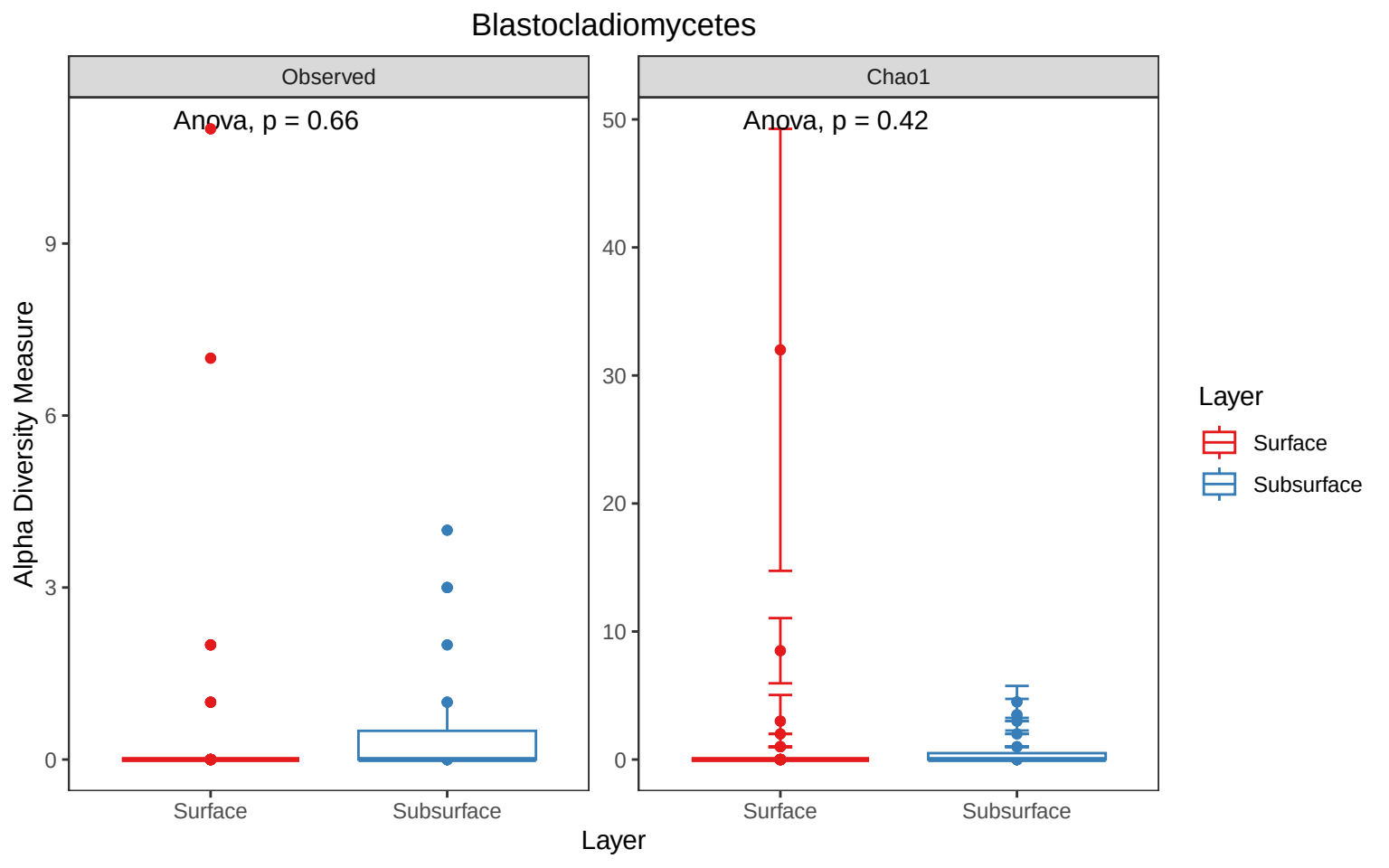

Dothideomycetes
Observed
Chao1
Anova, p = 0.85
Anova, p = 0.77
Alpha Diversity Measure
80
60
40
20
160
120
80
40
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

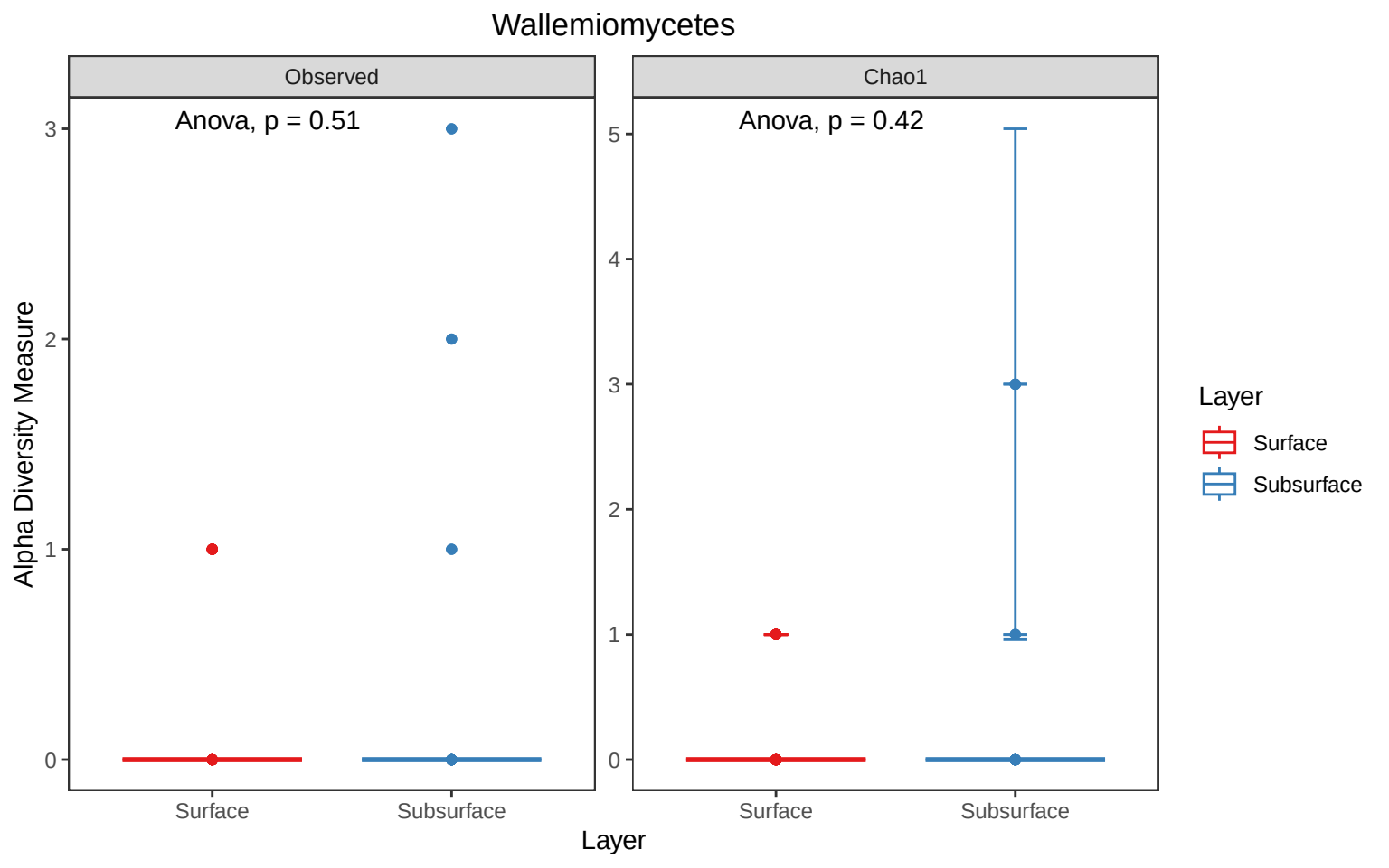

Lecanoromycetes
Observed
Chao1
Anova, p = 0.23
Anova, p = 0.15
Alpha Diversity Measure
9
6
3
0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

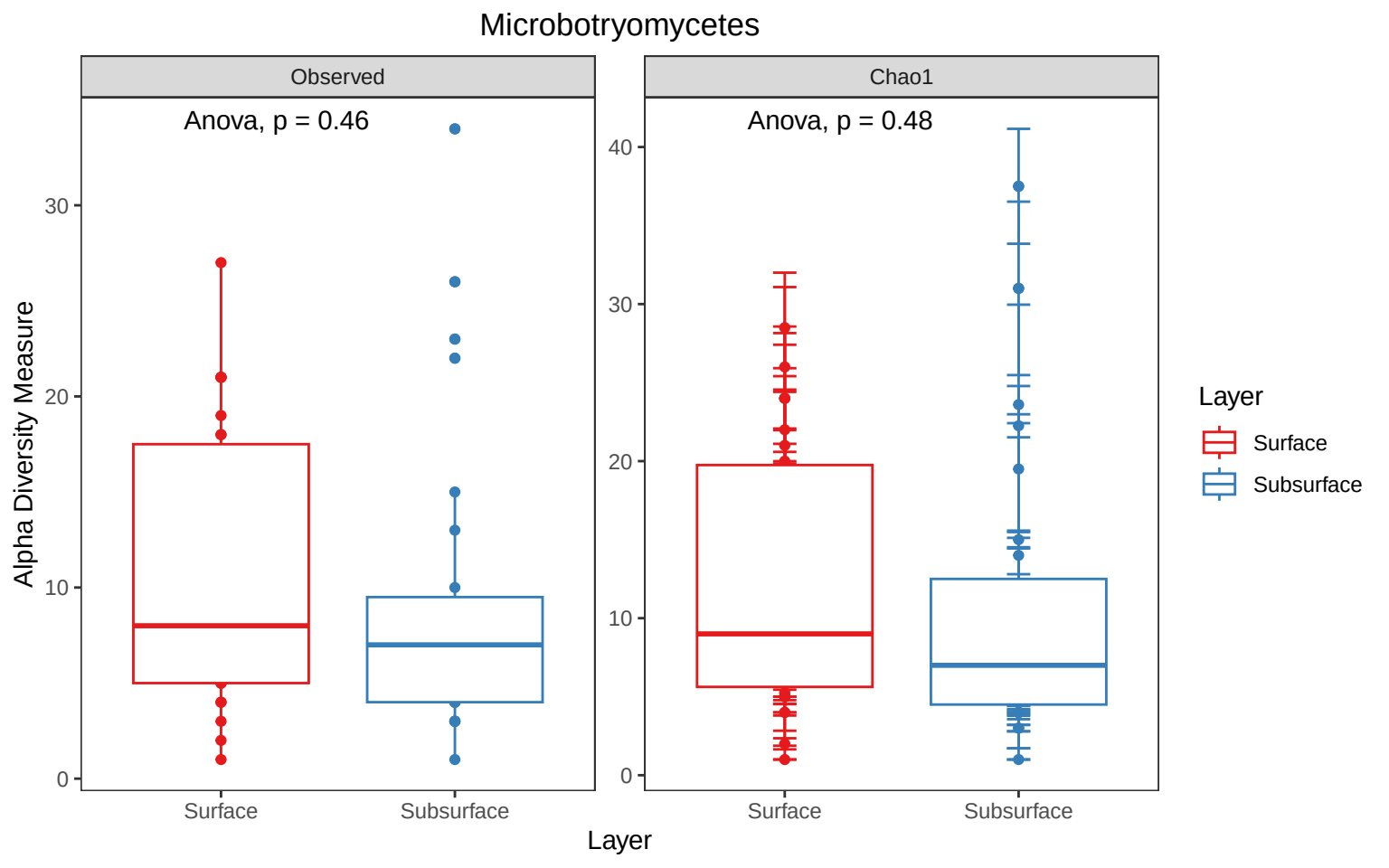

Saccharomycetes
Observed
Chao1
Anova, p = 0.21
Anova, p = 0.12
Alpha Diversity Measure
6
4
2
0
10.0
7.5
5.0
2.5
0.0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

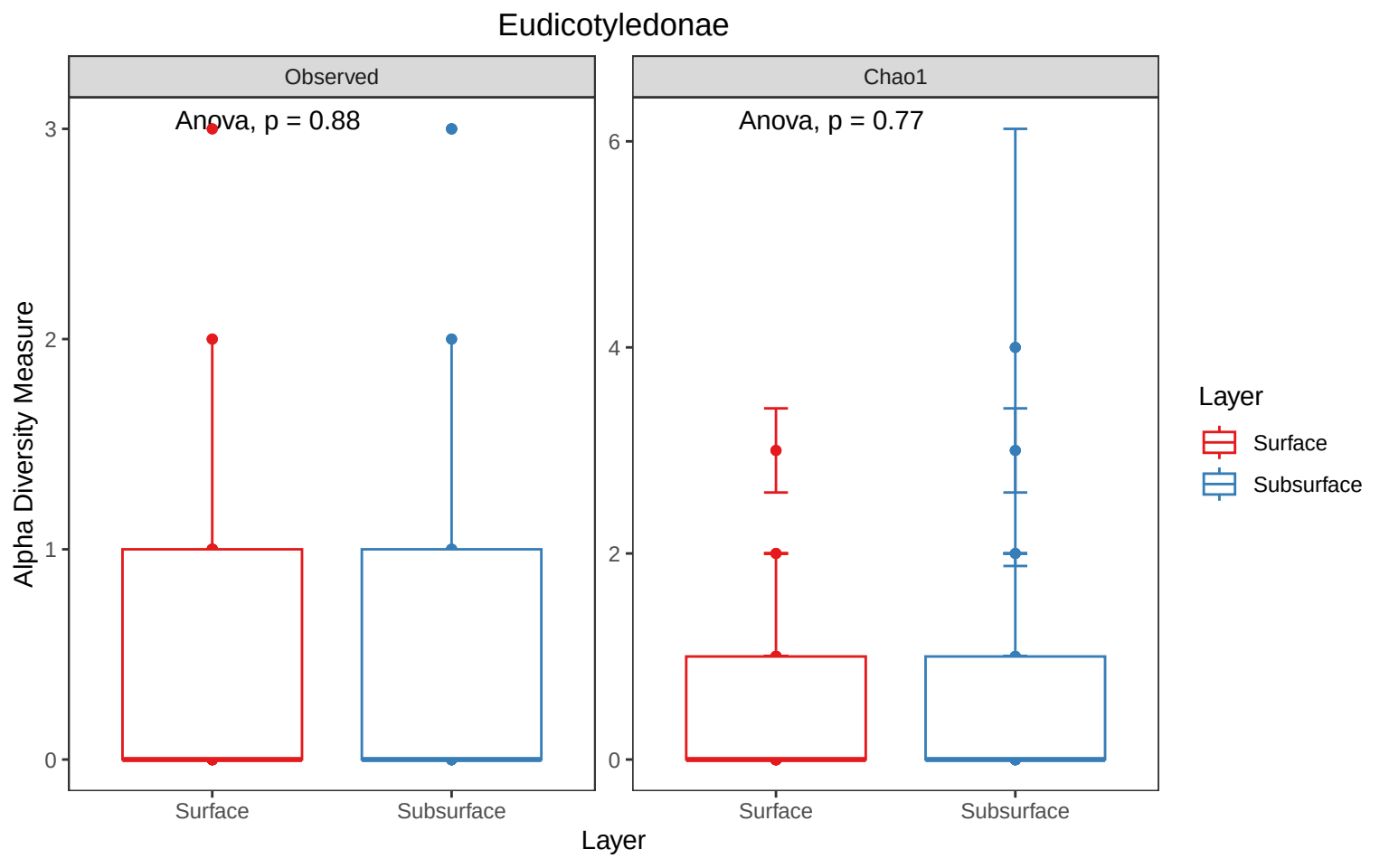

Leotiomycetes
Observed
Chao1
Anova, p = 0.002
Anova, p = 0.014
Alpha Diversity Measure
10.0
7.5
5.0
2.5
0.0
15
10
5
0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

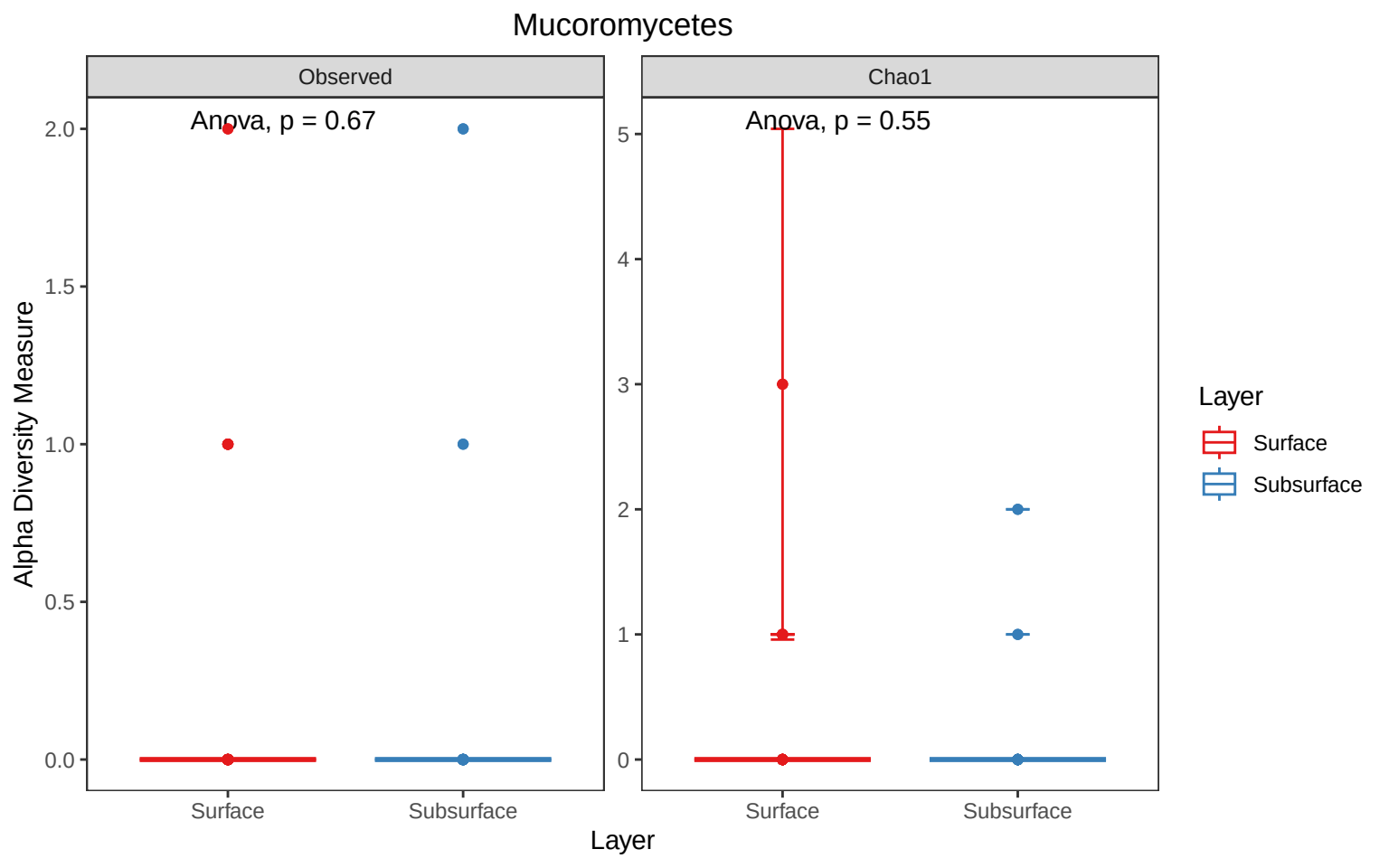

Tremellomycetes
Observed
Chao1
Anova, p = 0.18
Anova, p = 0.096
Alpha Diversity Measure
0
5
10
15
20
0
10
20
30
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

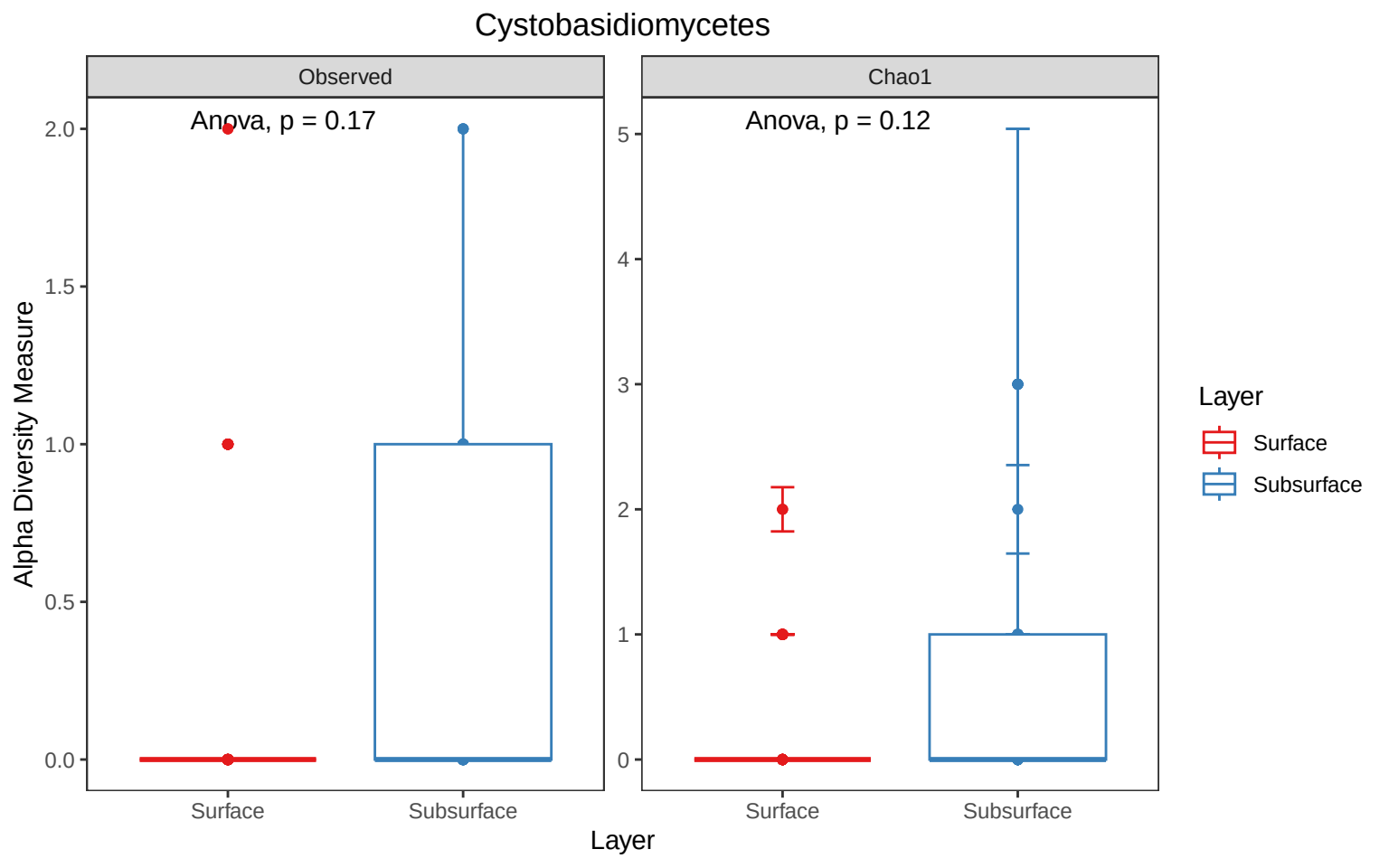

Blastocladiomycetes
Observed
Chao1
Anova, p = 0.66
Anova, p = 0.42
Alpha Diversity Measure
0
3
6
9
0
10
20
30
40
50
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

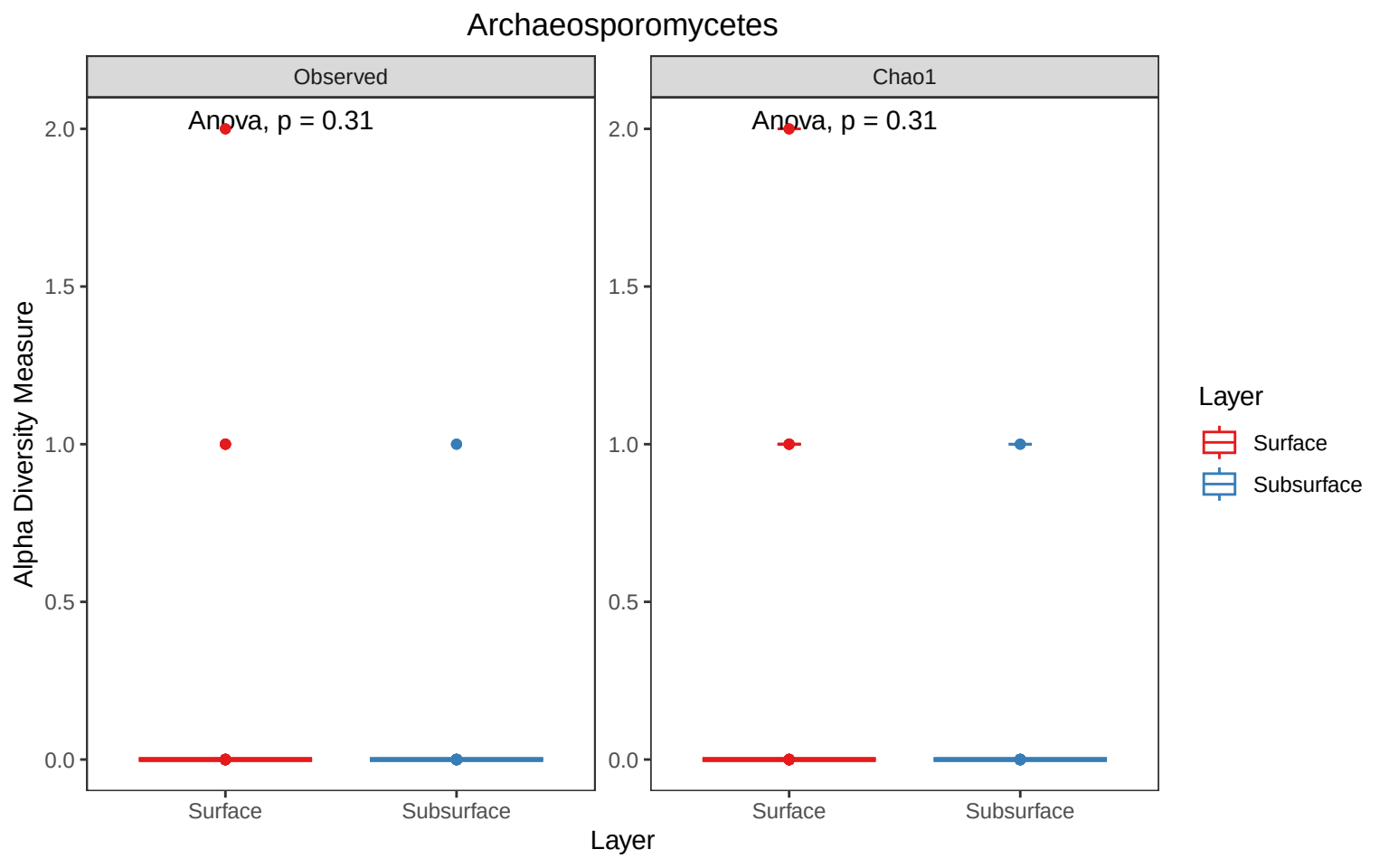

Wallemiomycetes
Observed
Chao1
Anova, p = 0.51
Anova, p = 0.42
Alpha Diversity Measure
0
1
2
3
4
5
Surface
Subsurface
Layer
Layer
Surface
Subsurface

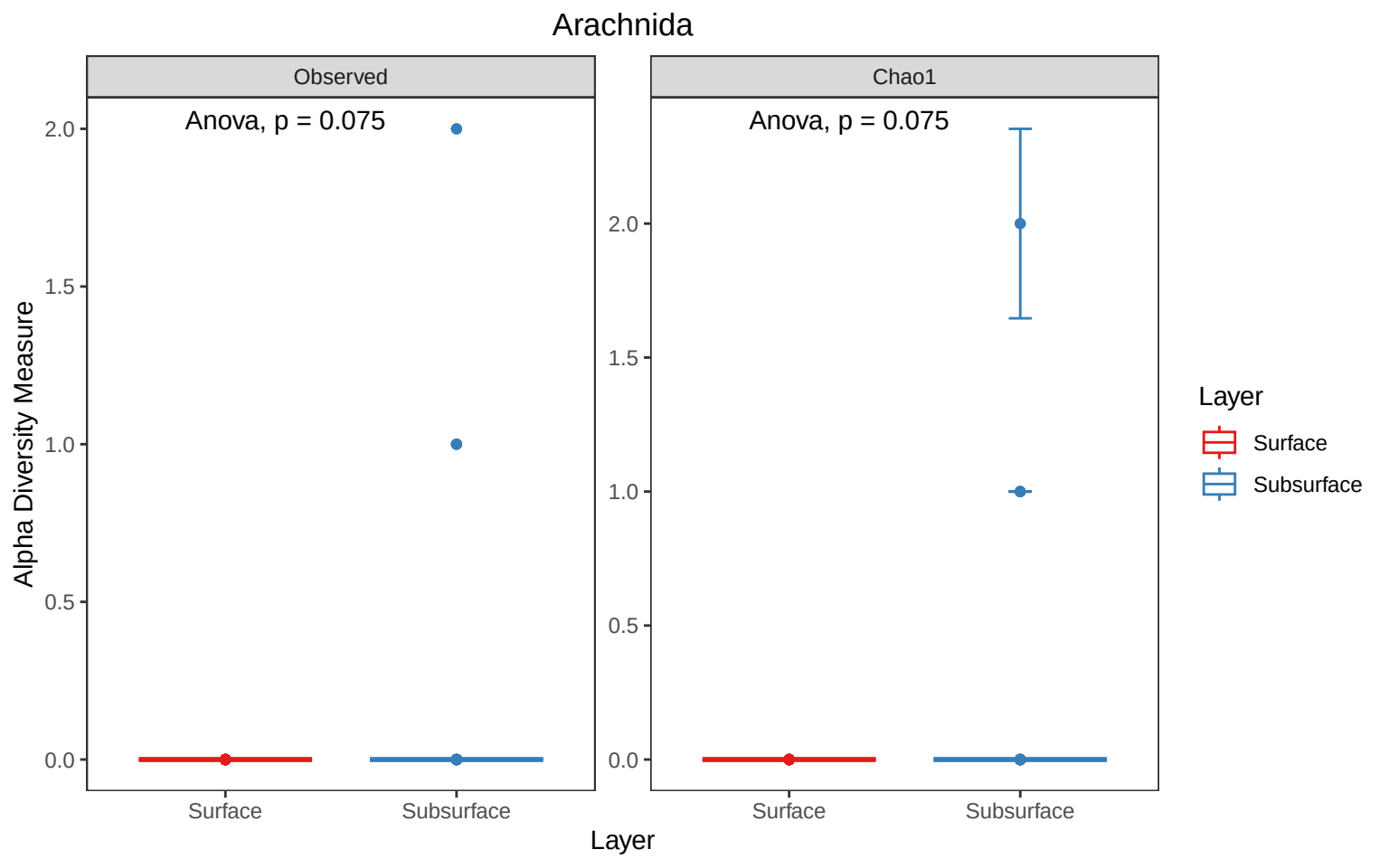

Microbotryomycetes
Observed
Chao1
Anova, p = 0.46
Anova, p = 0.48
Alpha Diversity Measure
0
10
20
30
40
Surface
Subsurface
Layer
Layer
Surface
Subsurface

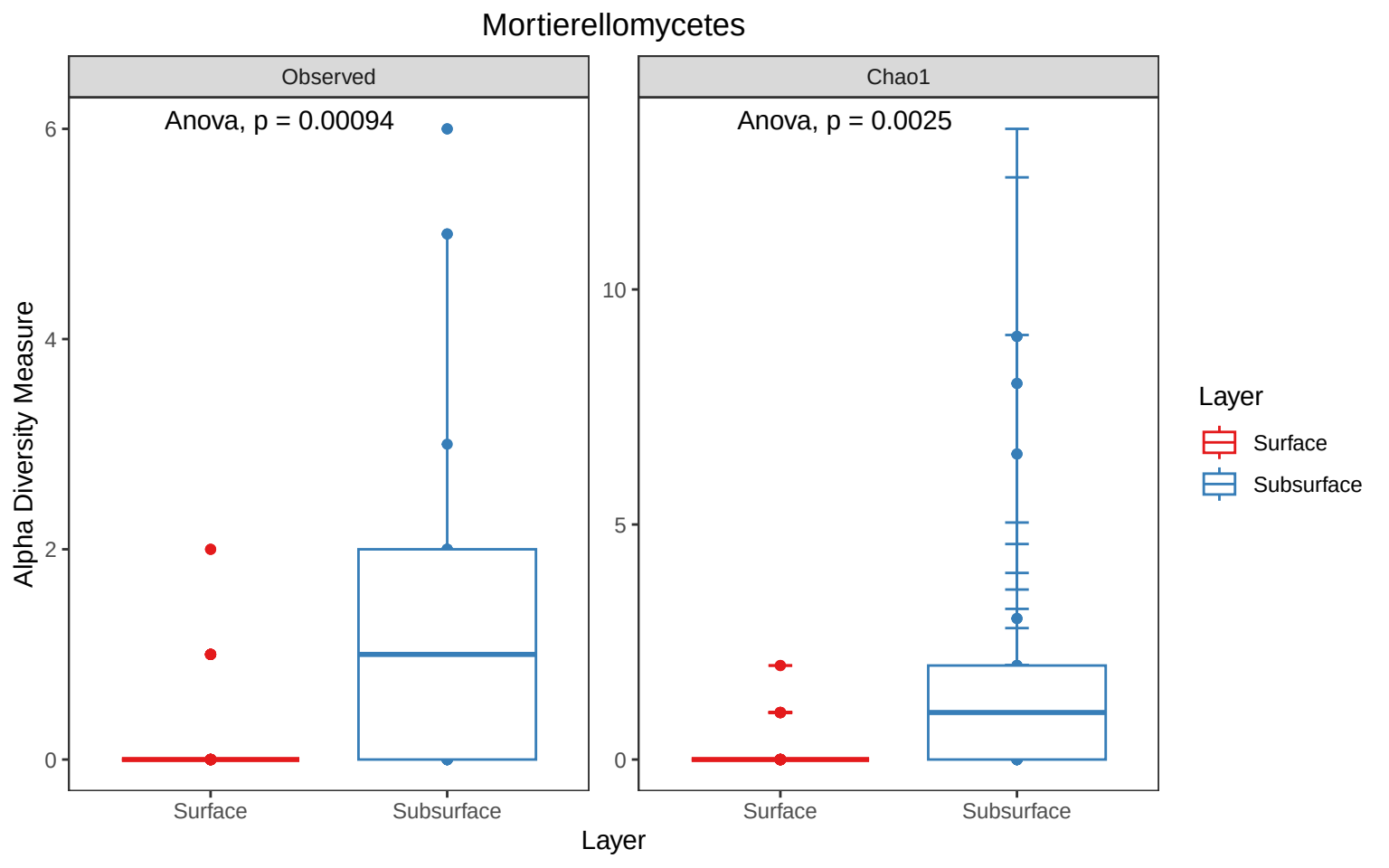

Eudicotyledonae
Observed
Chao1
Anova, p = 0.88
Anova, p = 0.77
Alpha Diversity Measure
0
1
2
3
4
6
Surface
Subsurface
Layer
Layer
Surface
Subsurface

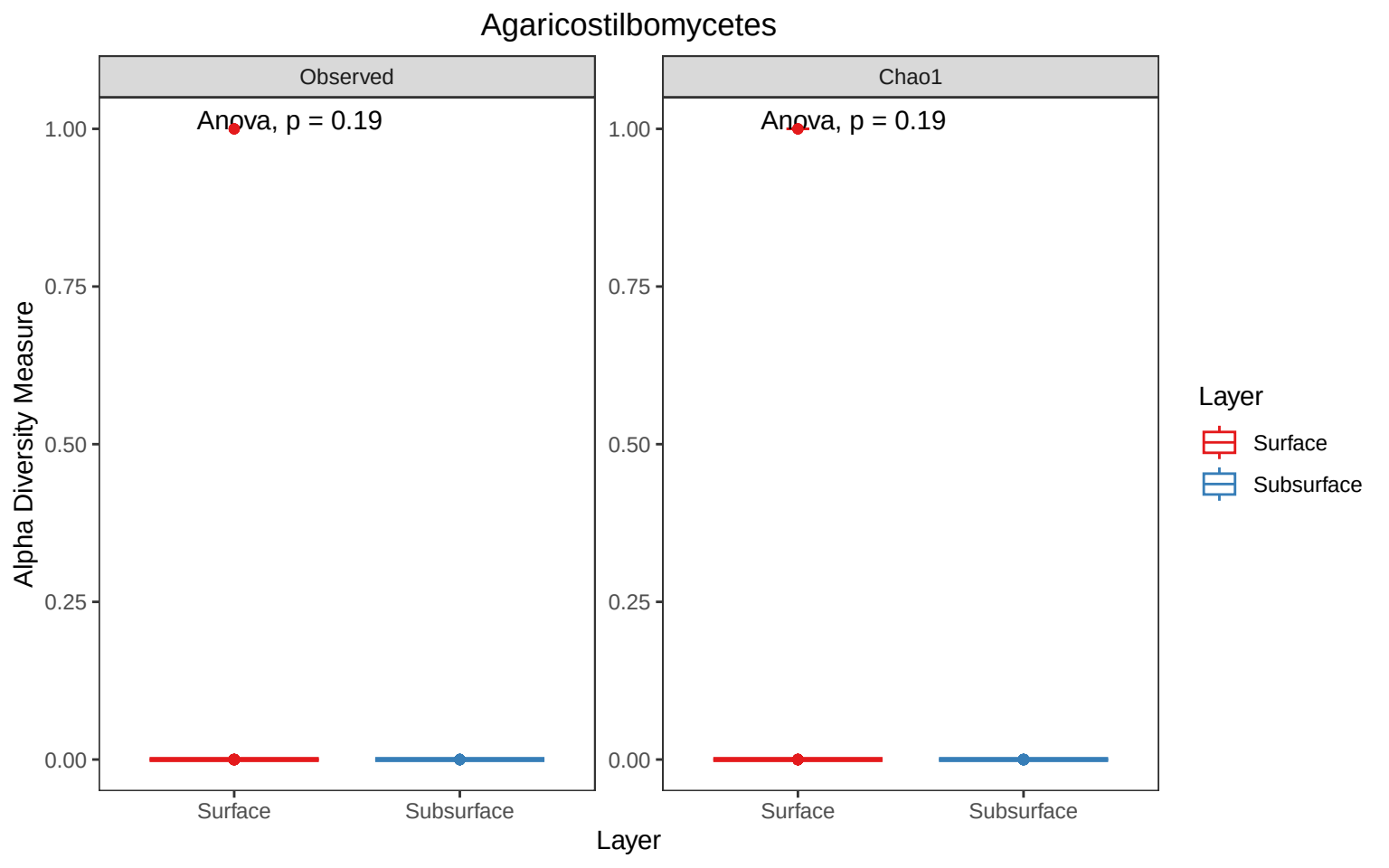

Mucoromycetes
Observed
Chao1
Anova, p = 0.67
Anova, p = 0.55
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
5
4
3
2
1
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

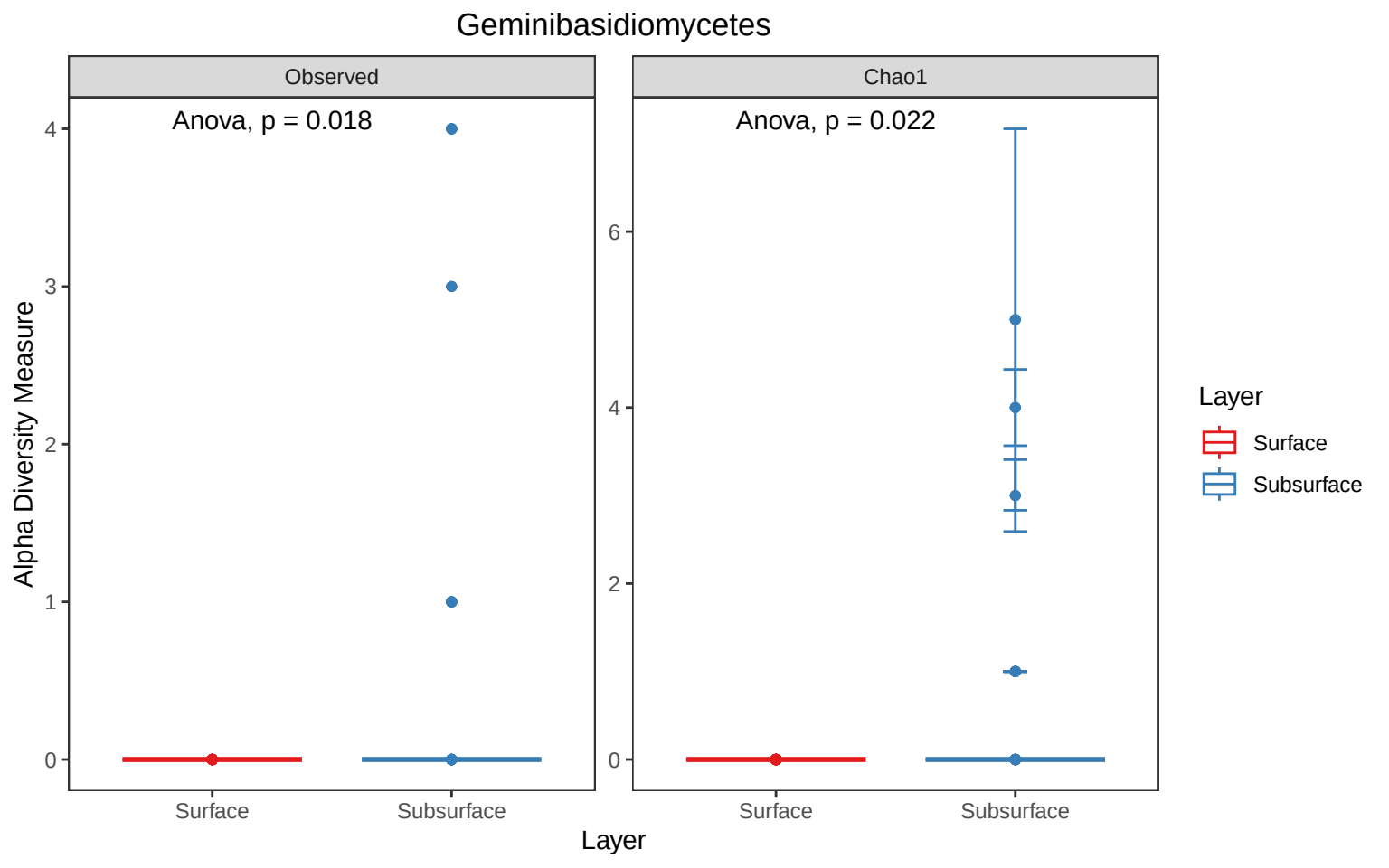

Cystobasidiomycetes
Observed
Chao1
Anova, p = 0.17
Anova, p = 0.12
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
5
4
3
2
1
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

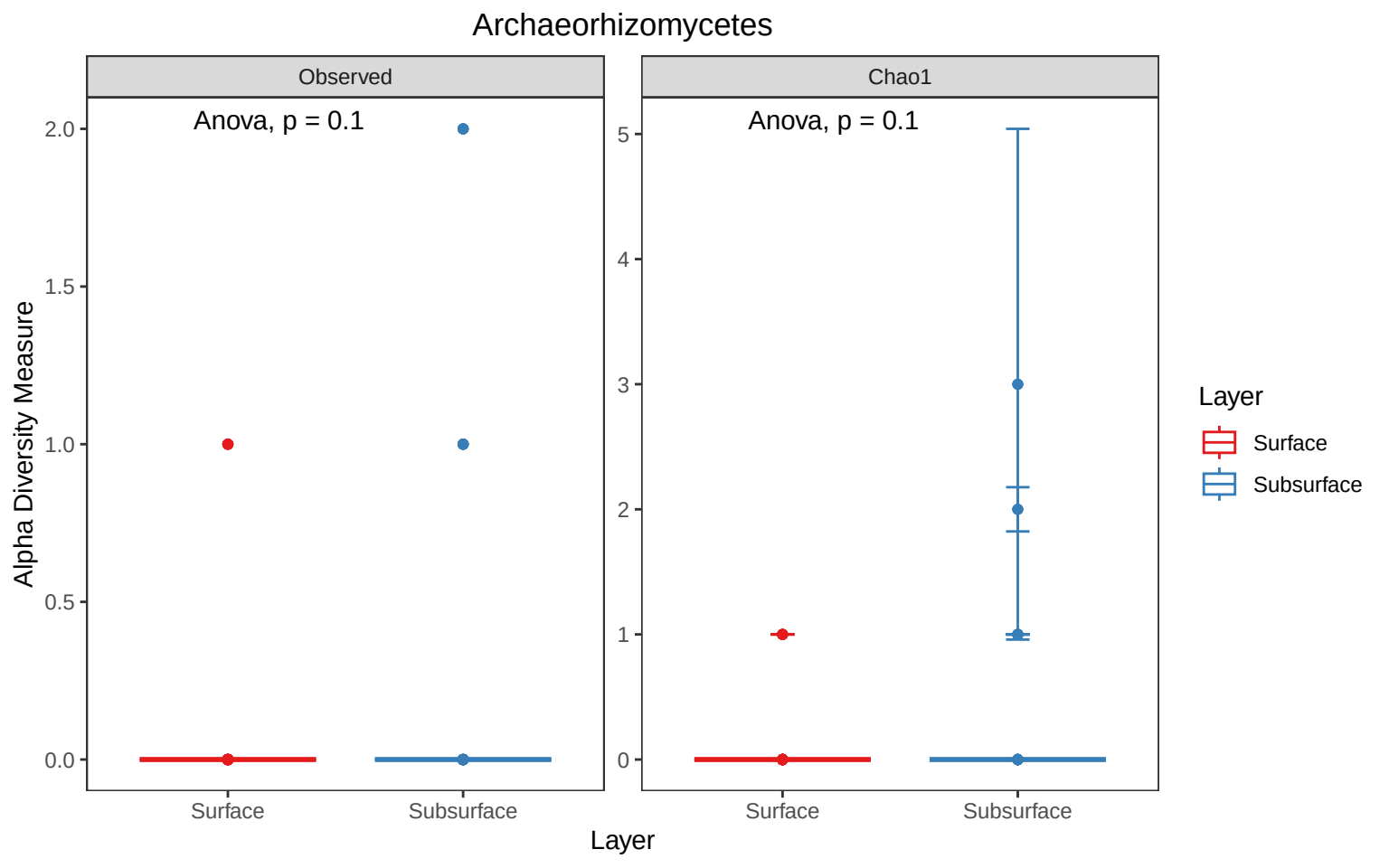

Archaeosporomycetes
Observed
Chao1
Anova, p = 0.31
Anova, p = 0.31
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

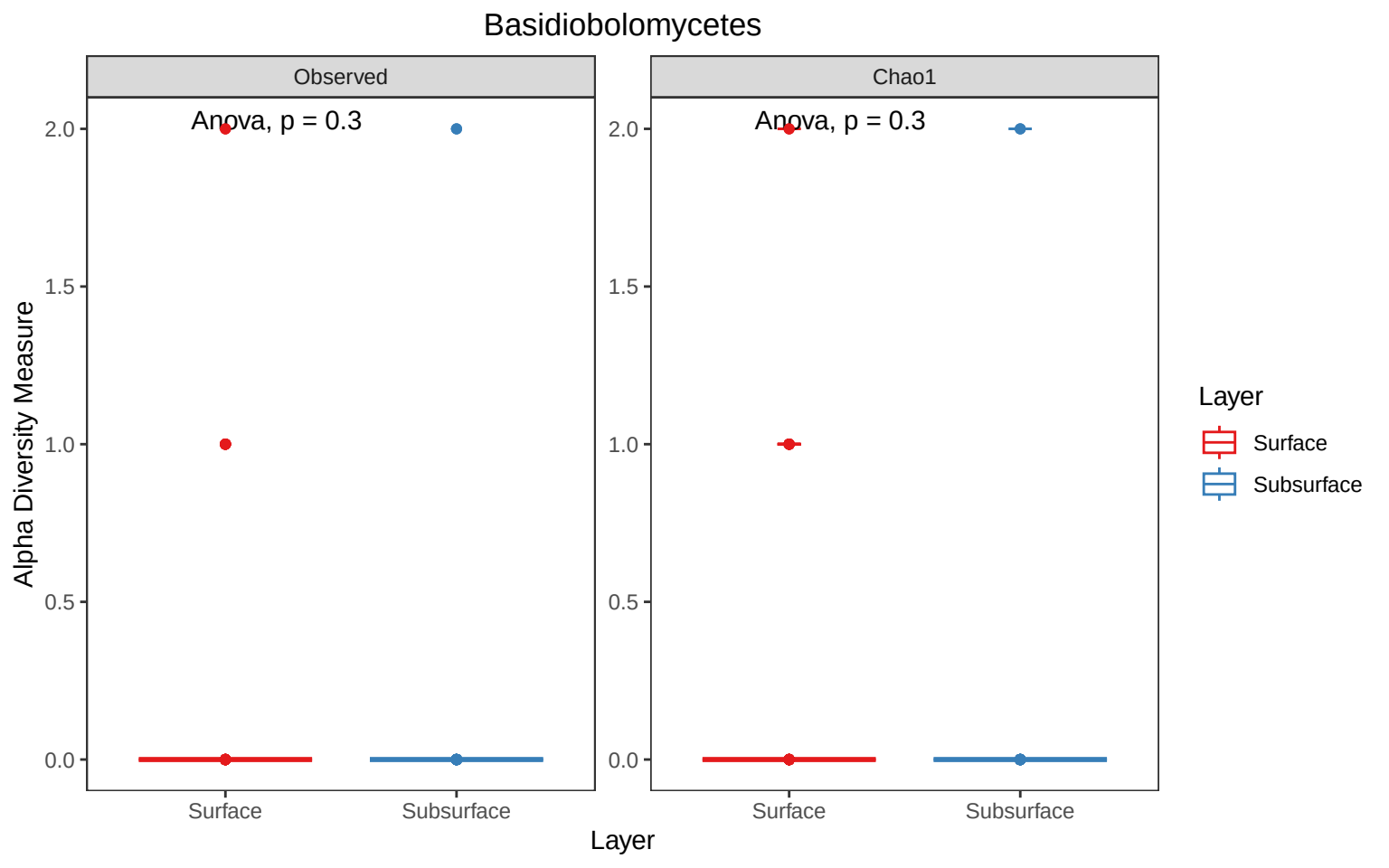

Arachnida
Observed
Chao1
Anova, p = 0.075
Anova, p = 0.075
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

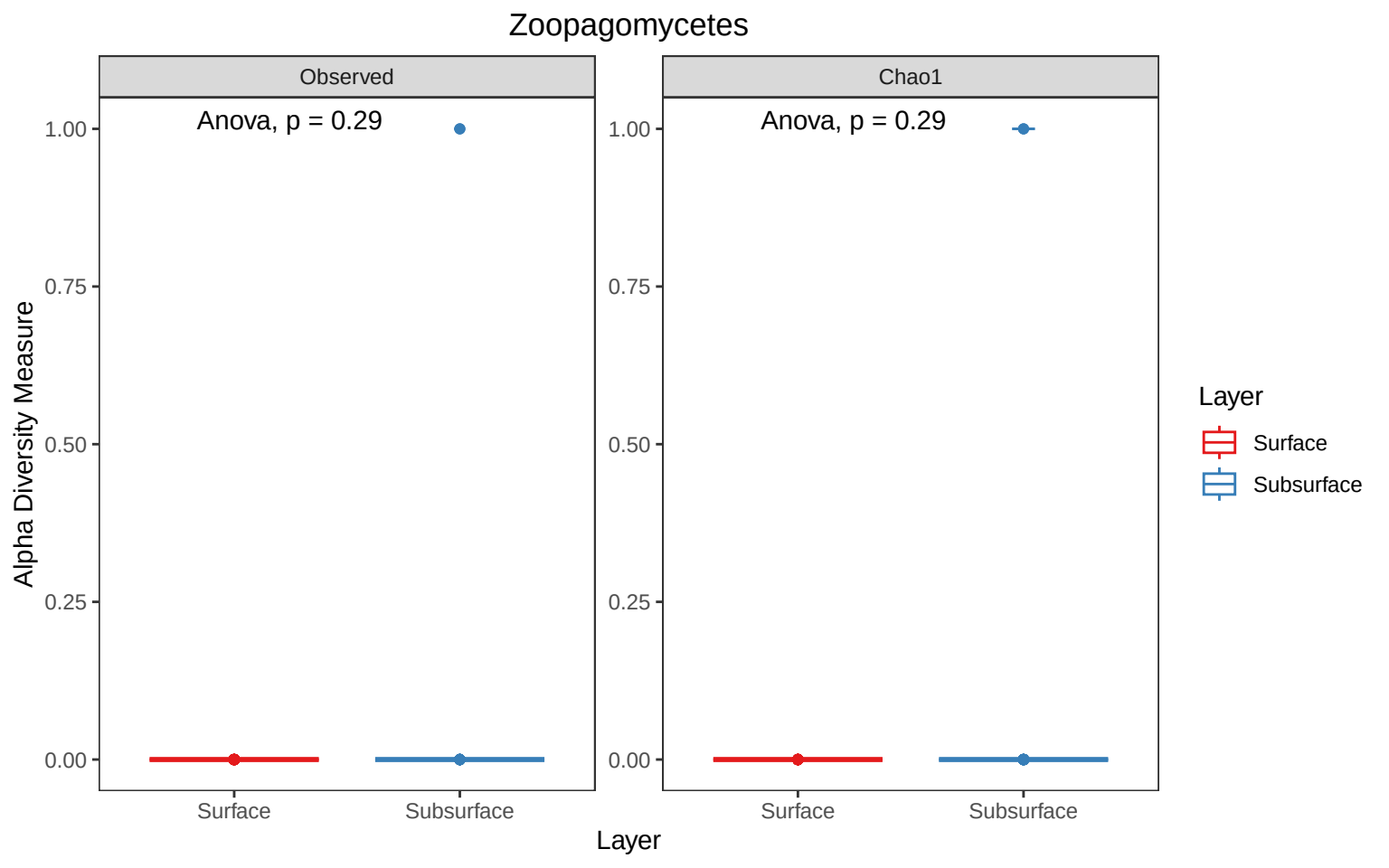

Mortierellomycetes
Observed
Chao1
Anova, p = 0.00094
Anova, p = 0.0025
Alpha Diversity Measure
6
4
2
0
10
5
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

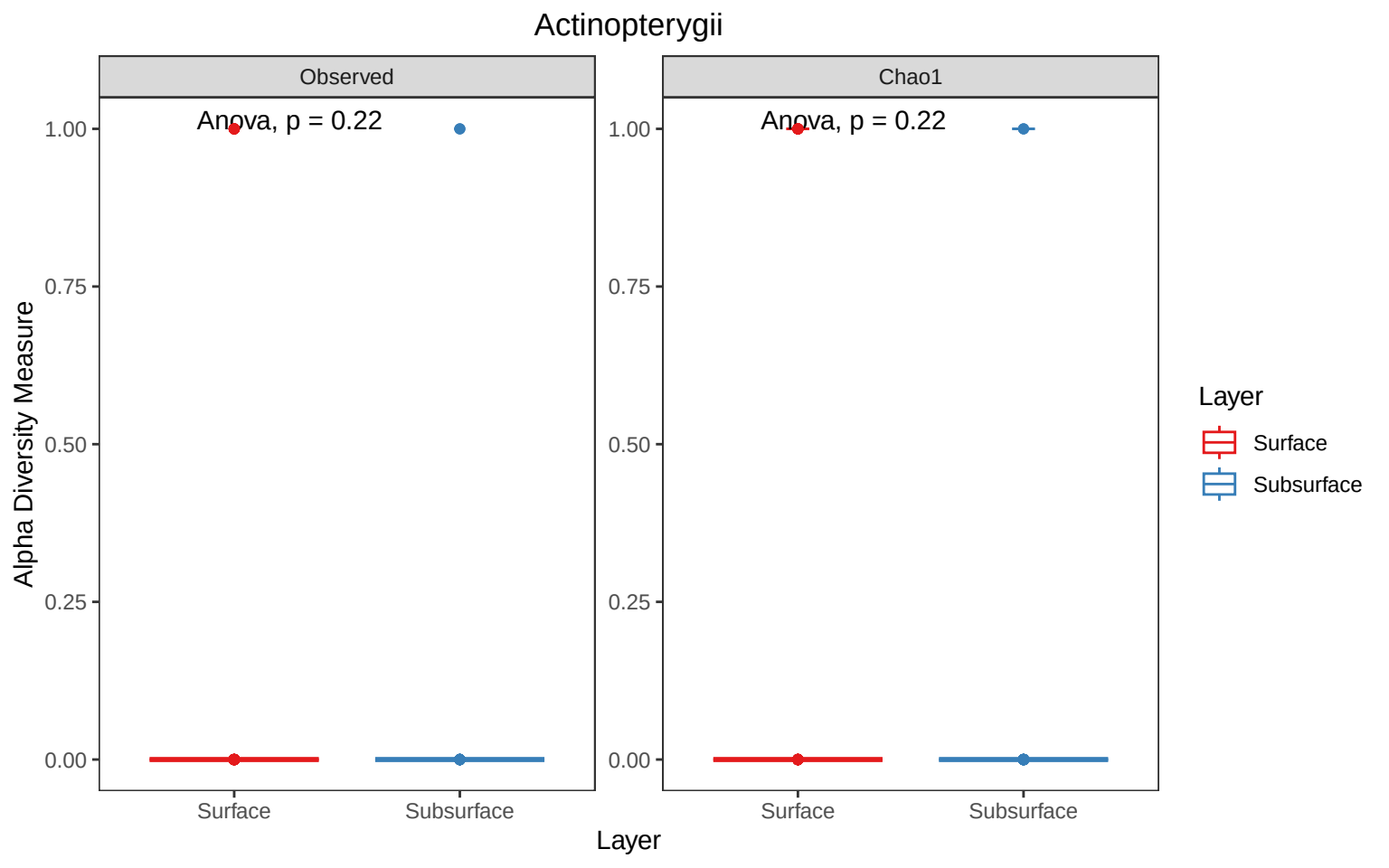

Agaricostilbomycetes
Observed
Chao1
Anova, p = 0.19
Anova, p = 0.19
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface

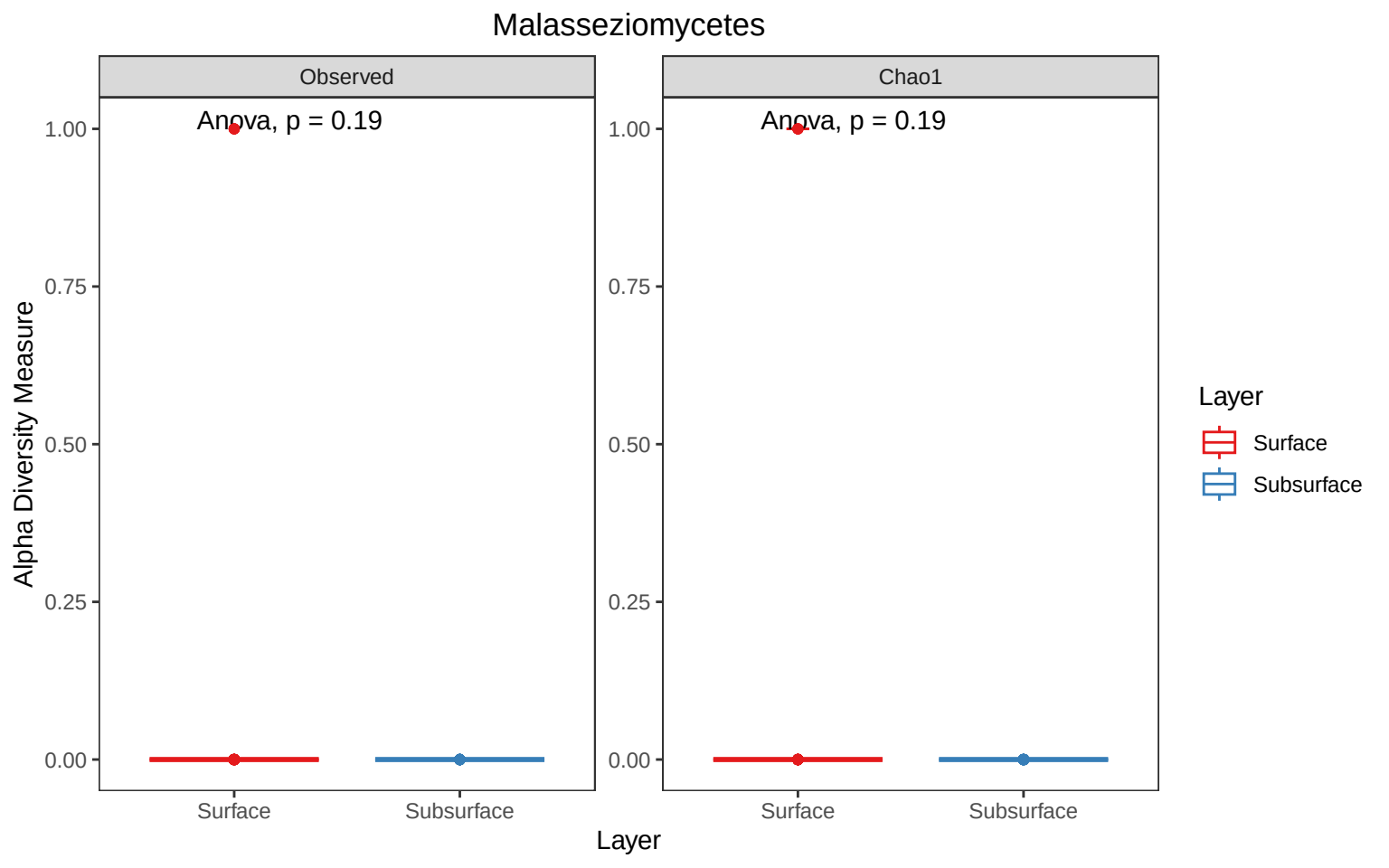

Geminibasidiomycetes
Observed
Chao1
Anova, p = 0.018
Anova, p = 0.022
Alpha Diversity Measure
0
1
2
3
4
6
Surface
Subsurface
Layer
Layer
Surface
Subsurface

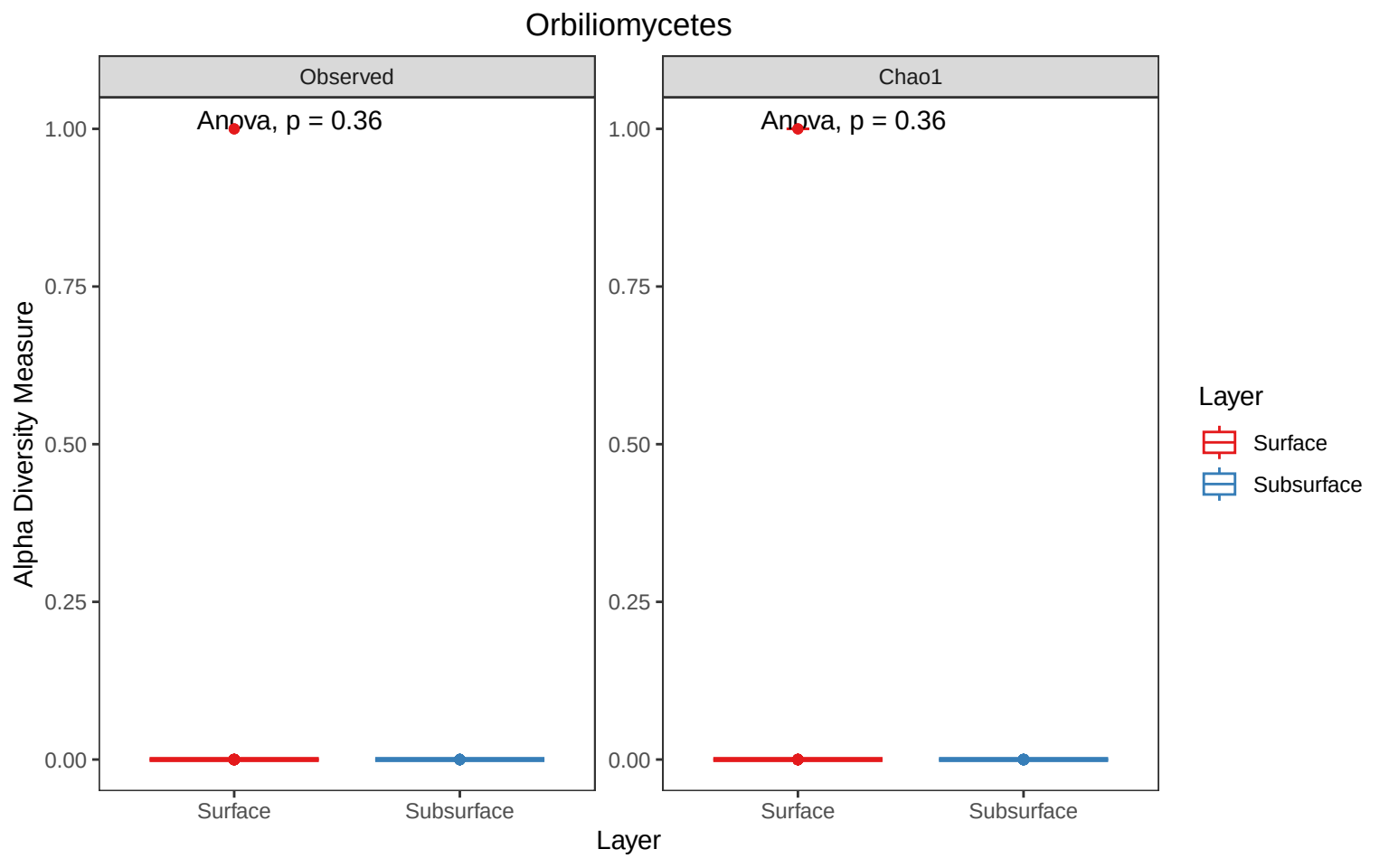

Archaeorhizomycetes
Observed
Chao1
Anova, p = 0.1
Anova, p = 0.1
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
5
4
3
2
1
0
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface

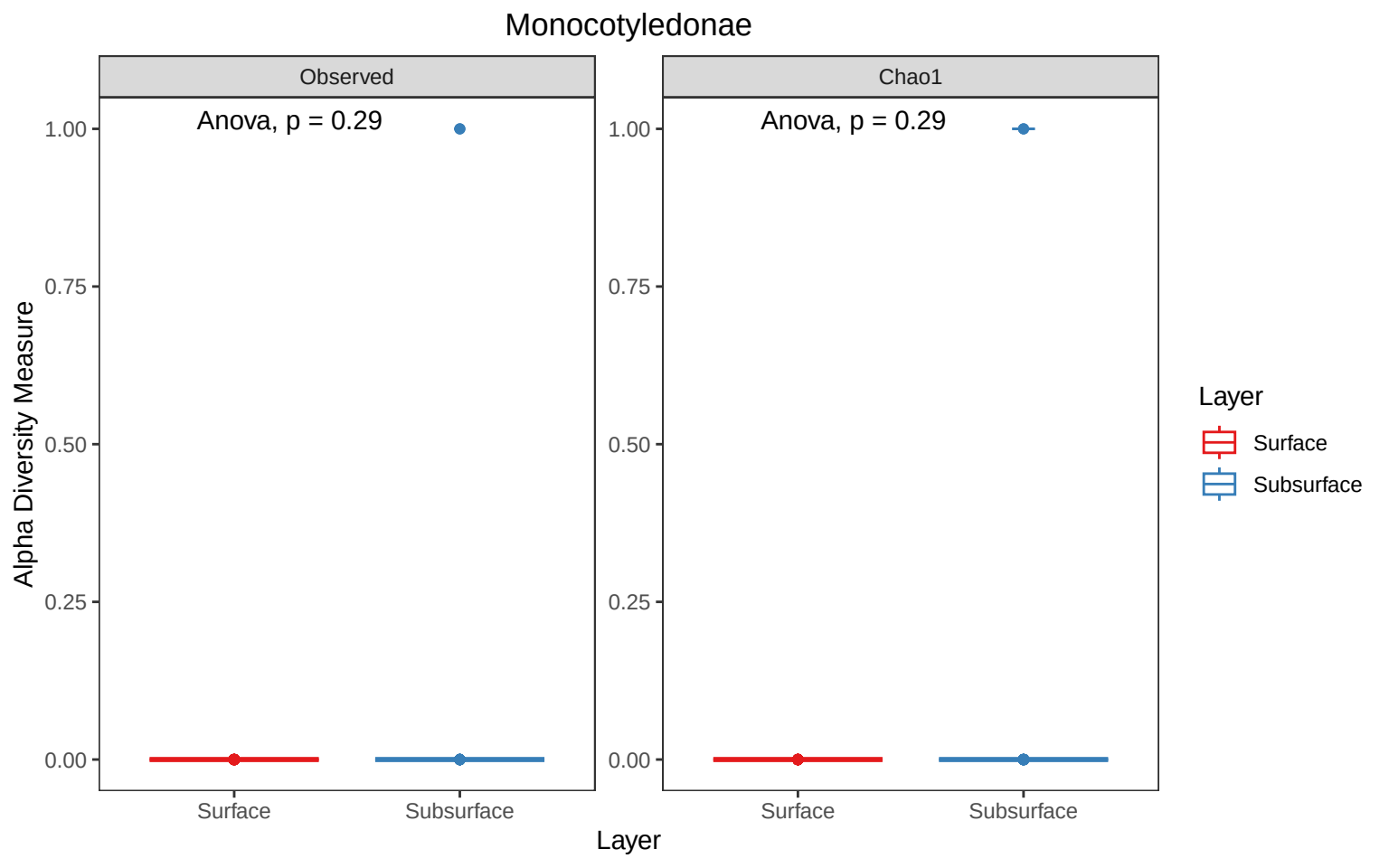

Basidiobolomycetes
Observed
Chao1
Anova, p = 0.3
Anova, p = 0.3
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Surface
Subsurface
Layer
Layer
Surface
Subsurface

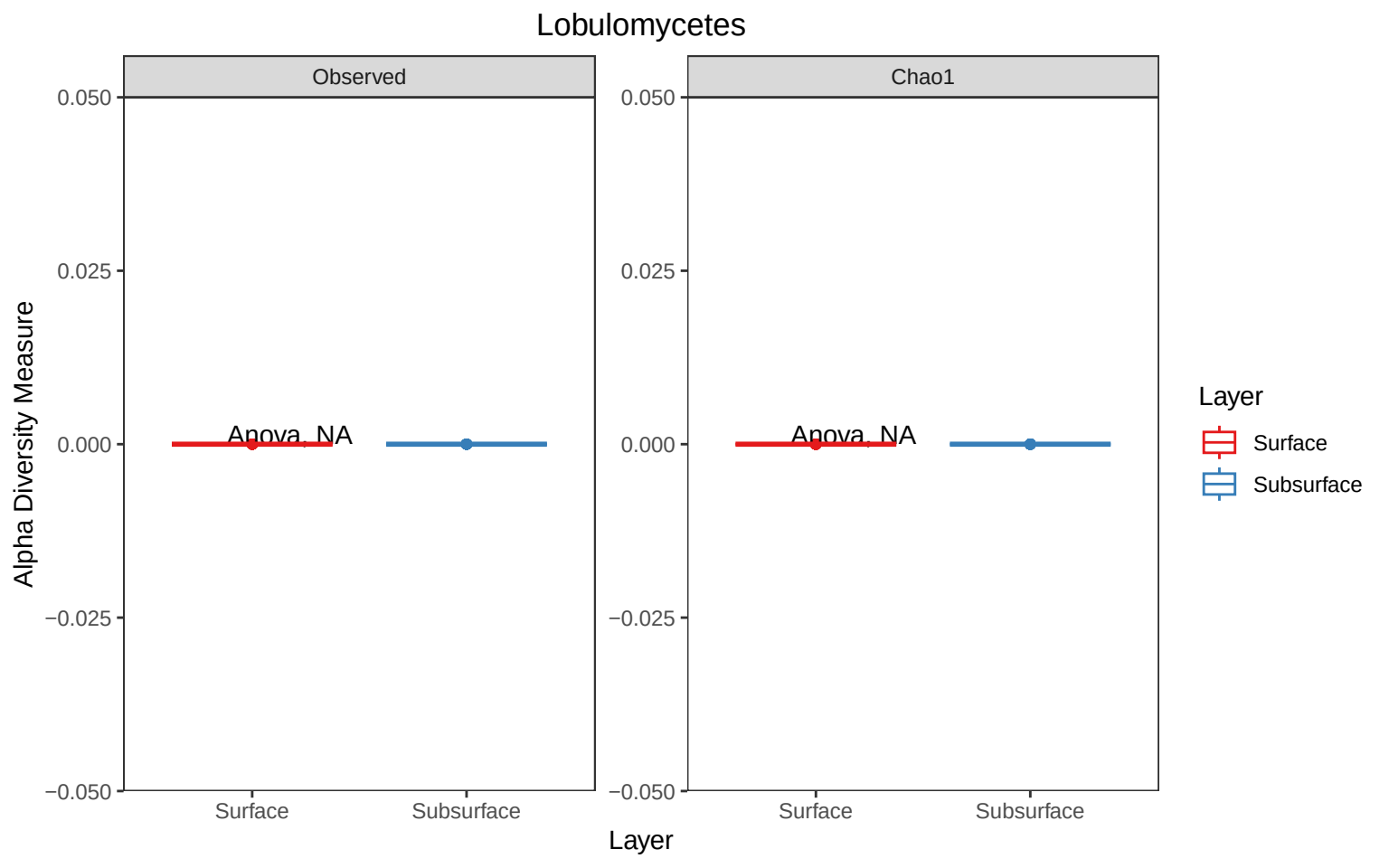

Zoopagomycetes
Observed
Chao1
Anova, p = 0.29
Anova, p = 0.29
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface

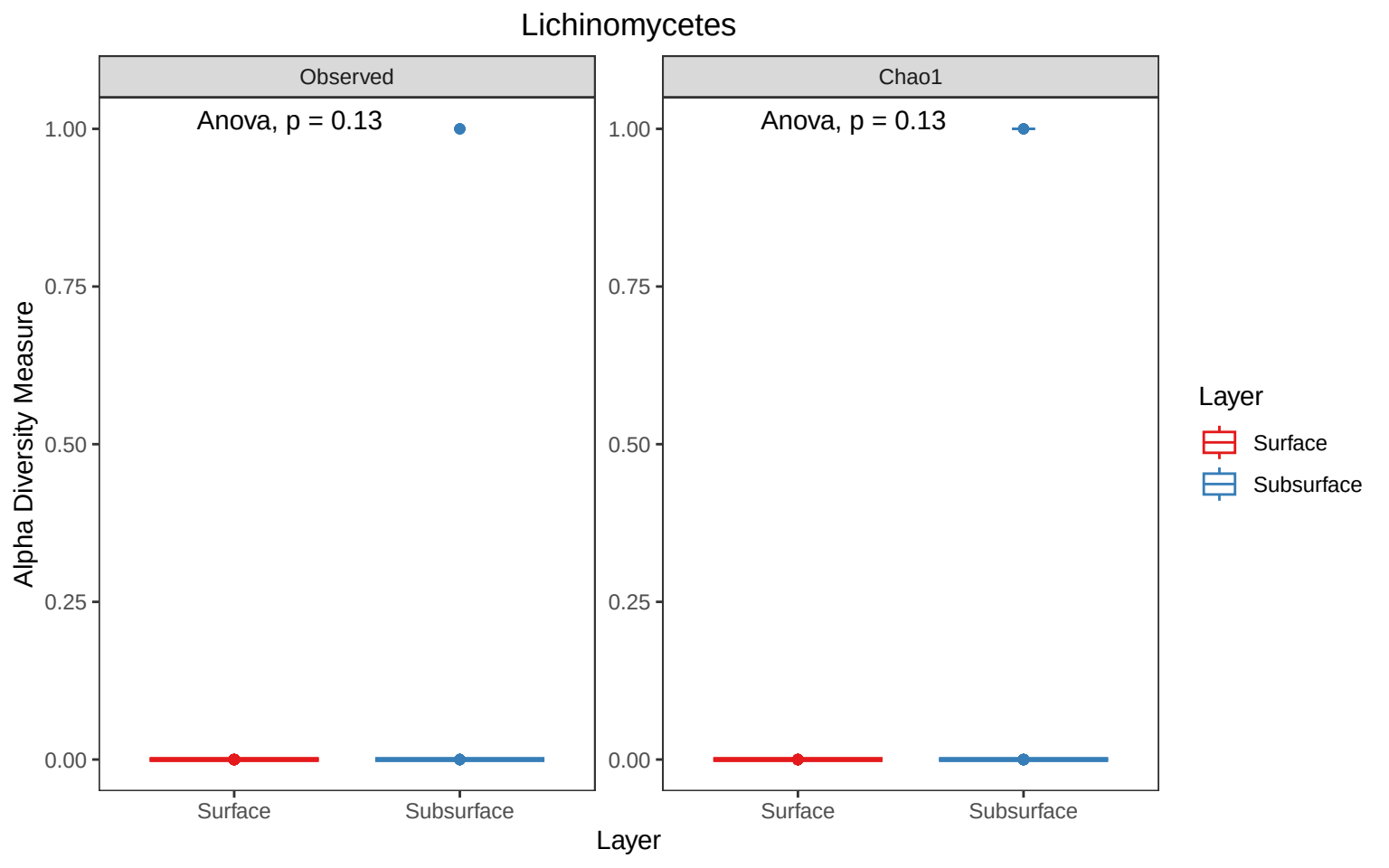

Actinopterygii
Observed
Chao1
Anova, p = 0.22
Anova, p = 0.22
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface


Malasseziomycetes
Observed
Chao1
Anova, p = 0.19
Anova, p = 0.19
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface


Orbiliomycetes
Observed
Chao1
Anova, p = 0.36
Anova, p = 0.36
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface


Monocotyledonae
Observed
Chao1
Anova, p = 0.29
Anova, p = 0.29
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface


Lobulomycetes
Observed
Chao1
0.050
0.025
0.000
−0.025
−0.050
Alpha Diversity Measure
Anova, NA
Anova, NA
Surface
Subsurface
Surface
Subsurface
Layer
Layer
Surface
Subsurface


Lichinomycetes
Observed
Chao1
Anova, p = 0.13
Anova, p = 0.13
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Surface
Subsurface
Layer
Layer
Surface
Subsurface