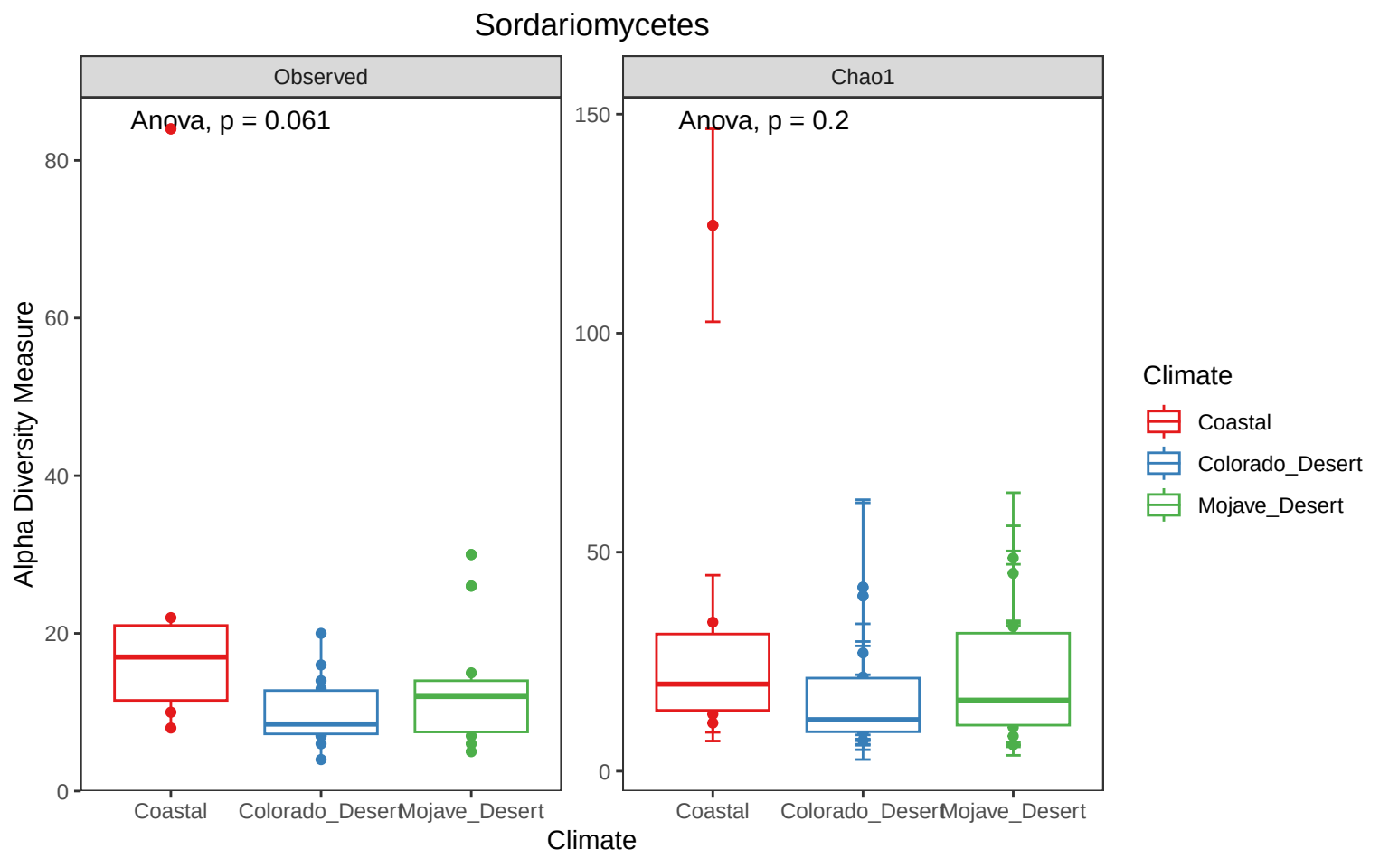
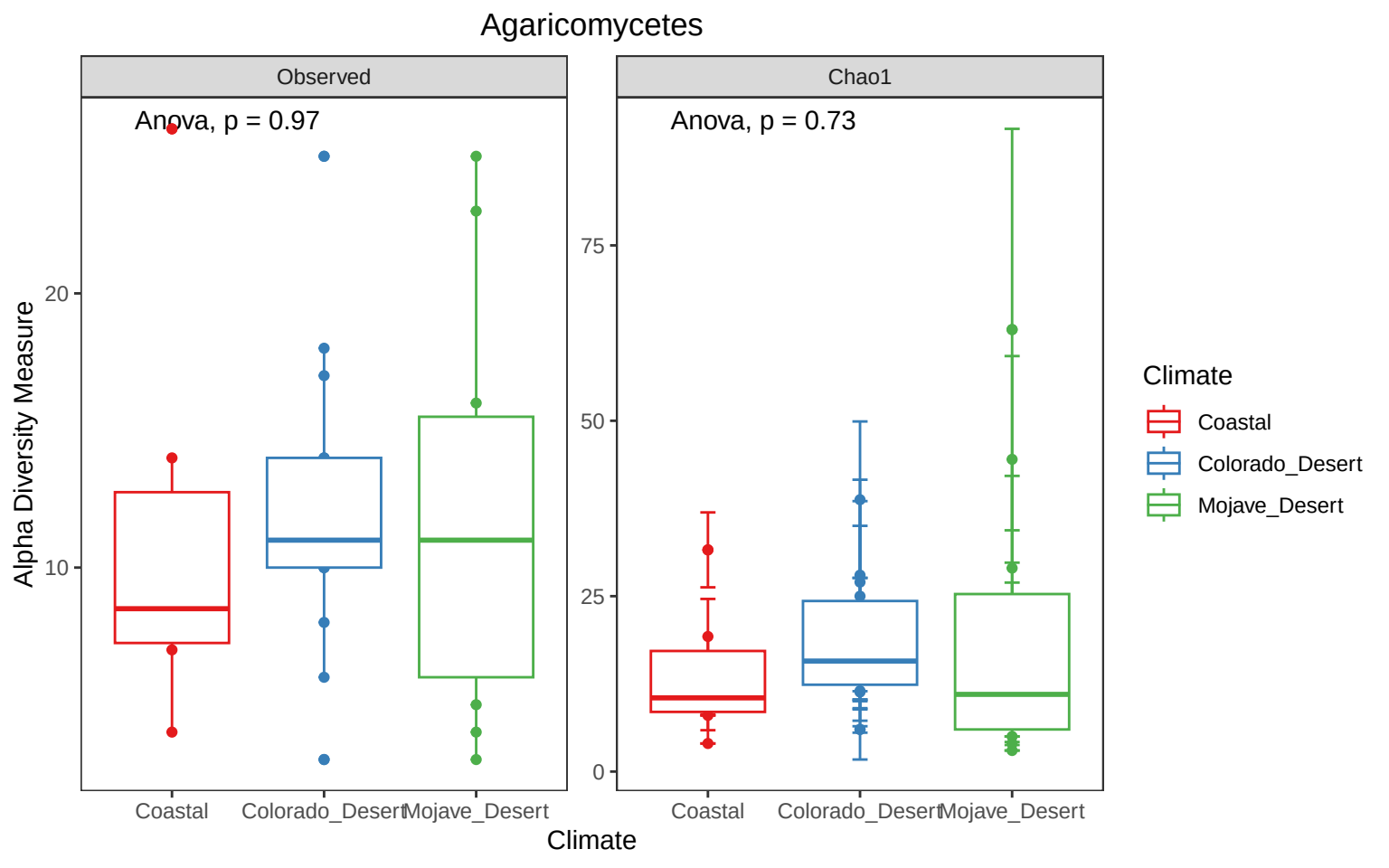
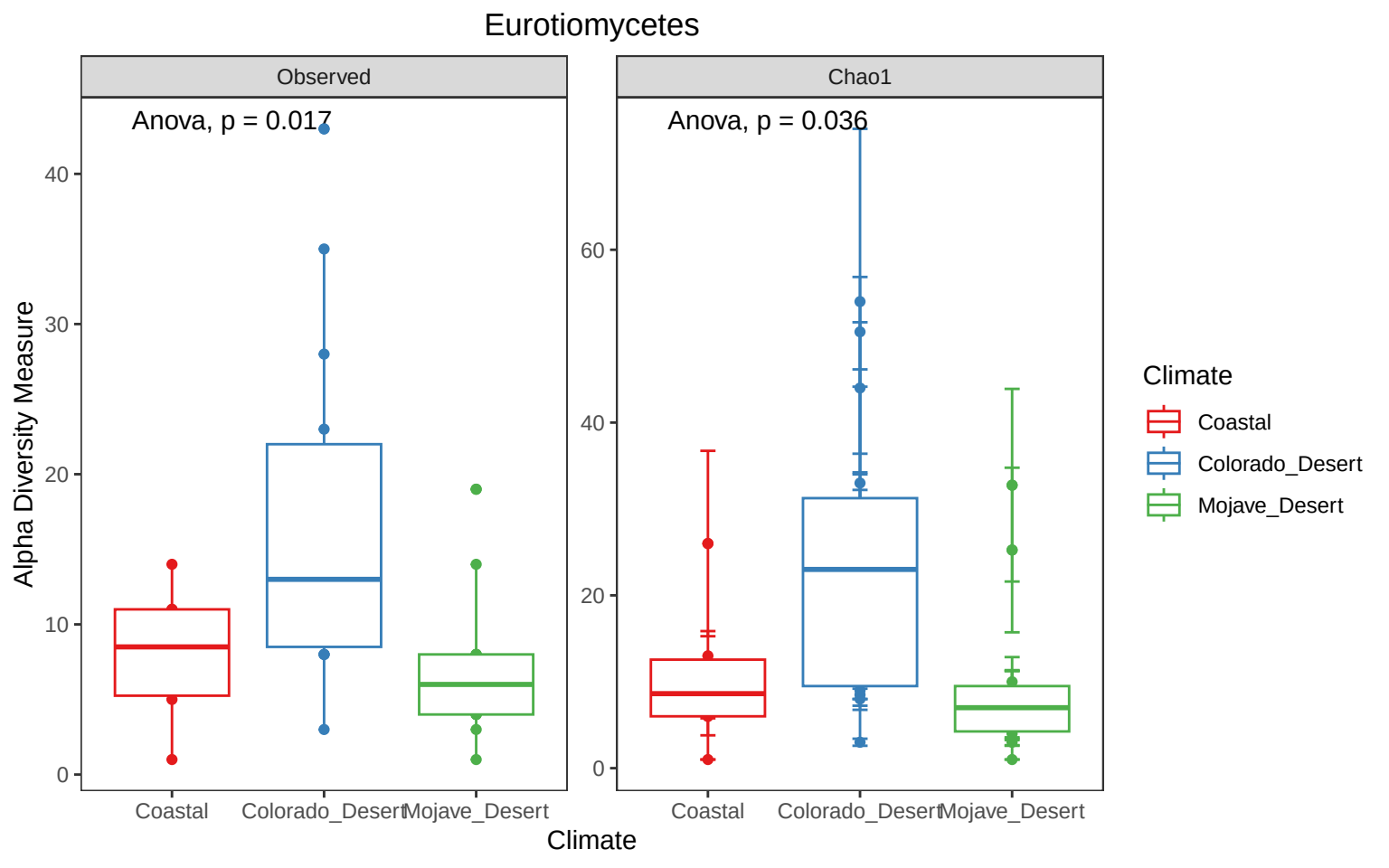
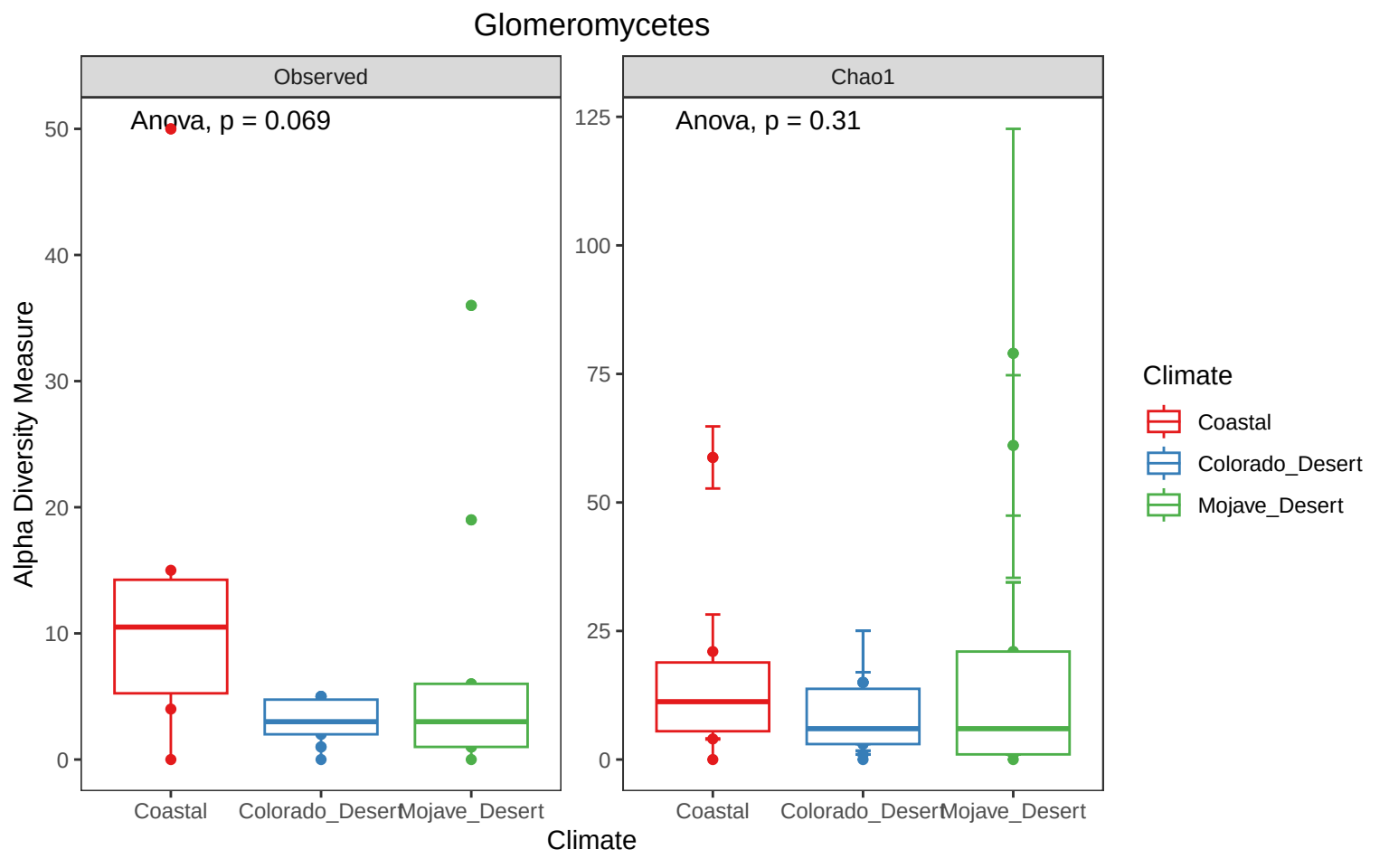
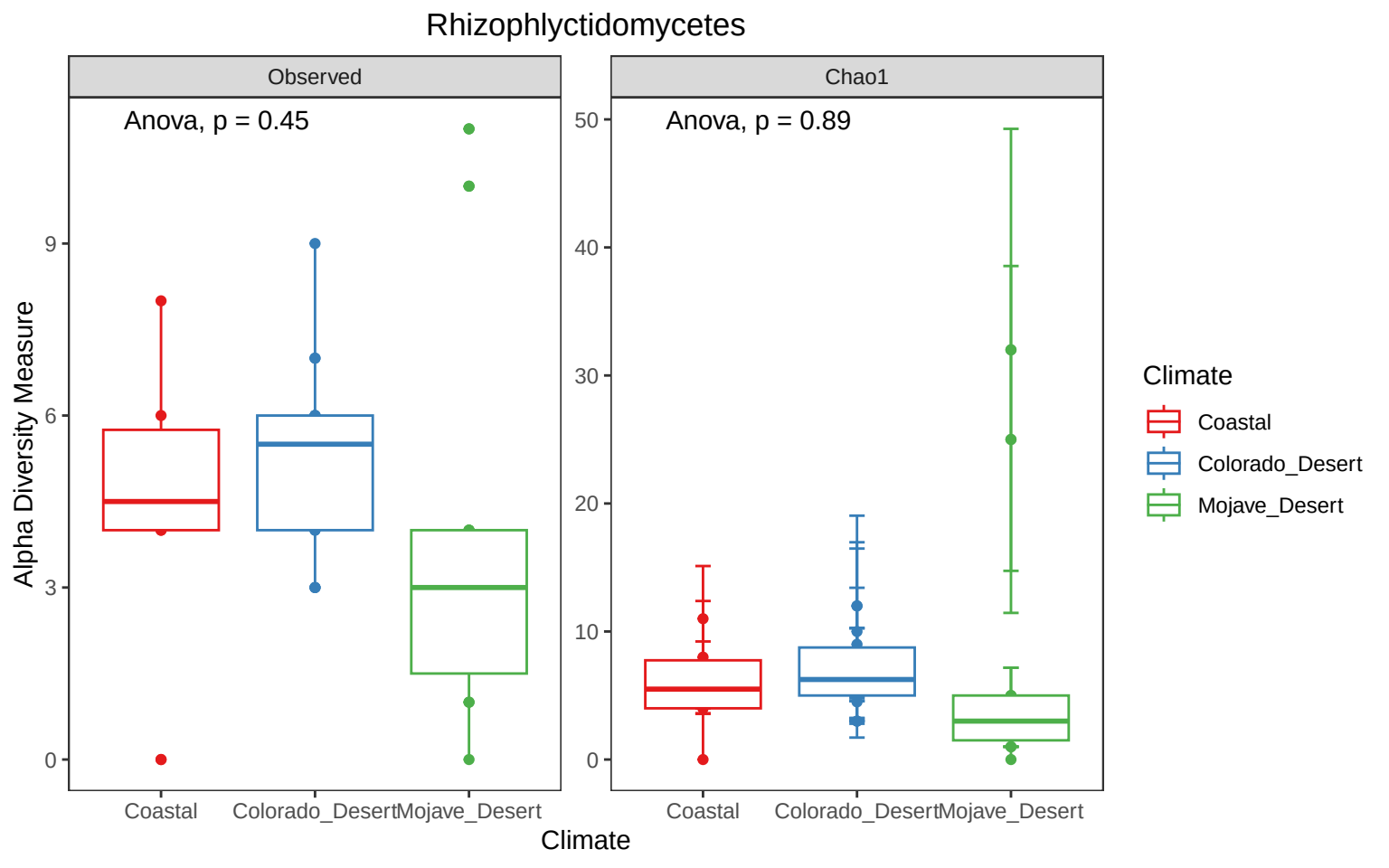
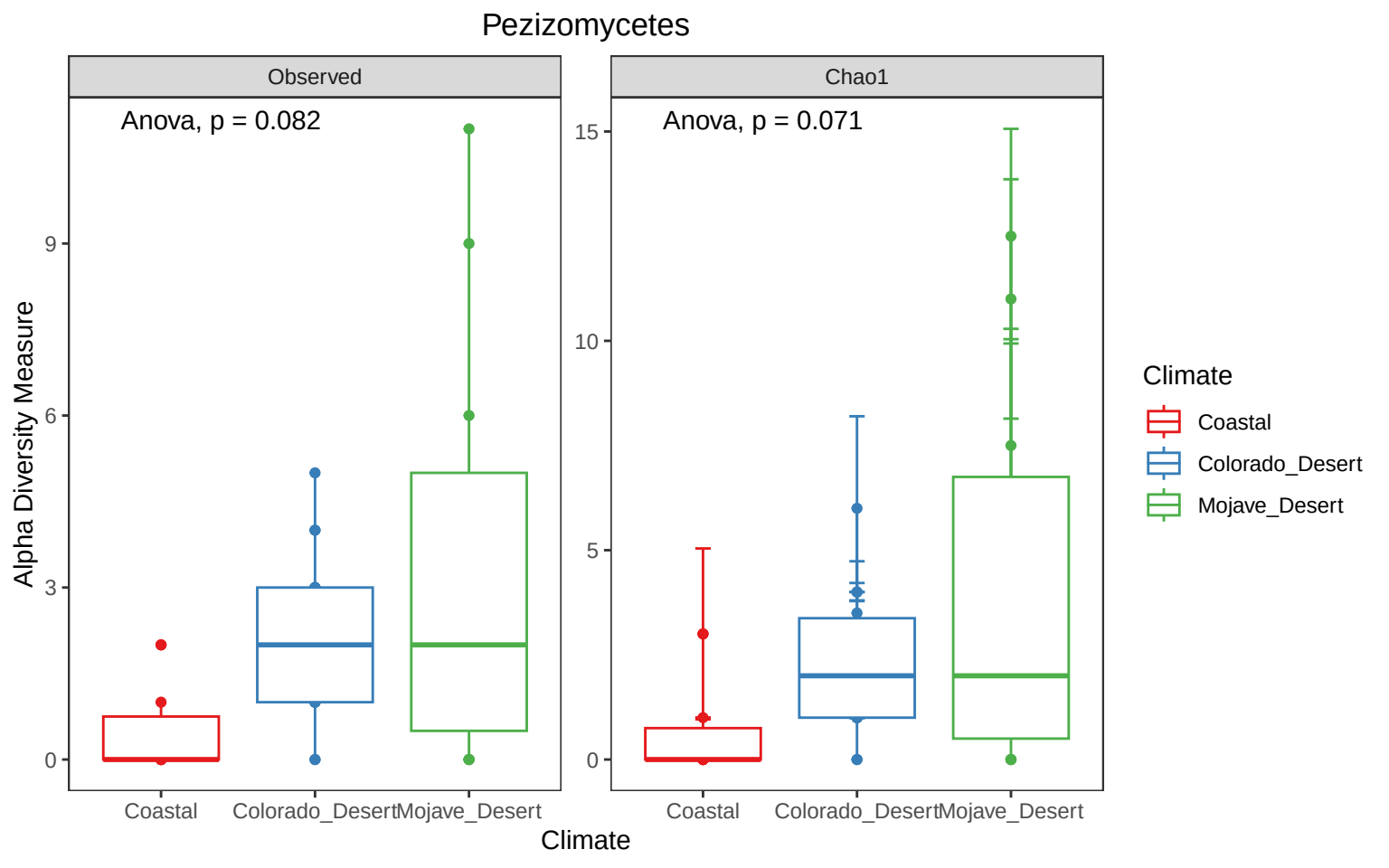

Sordariomycetes
Observed
Chao1
Anova, p = 0.061
Anova, p = 0.2
Alpha Diversity Measure
0
20
40
60
80
0
50
100
150
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

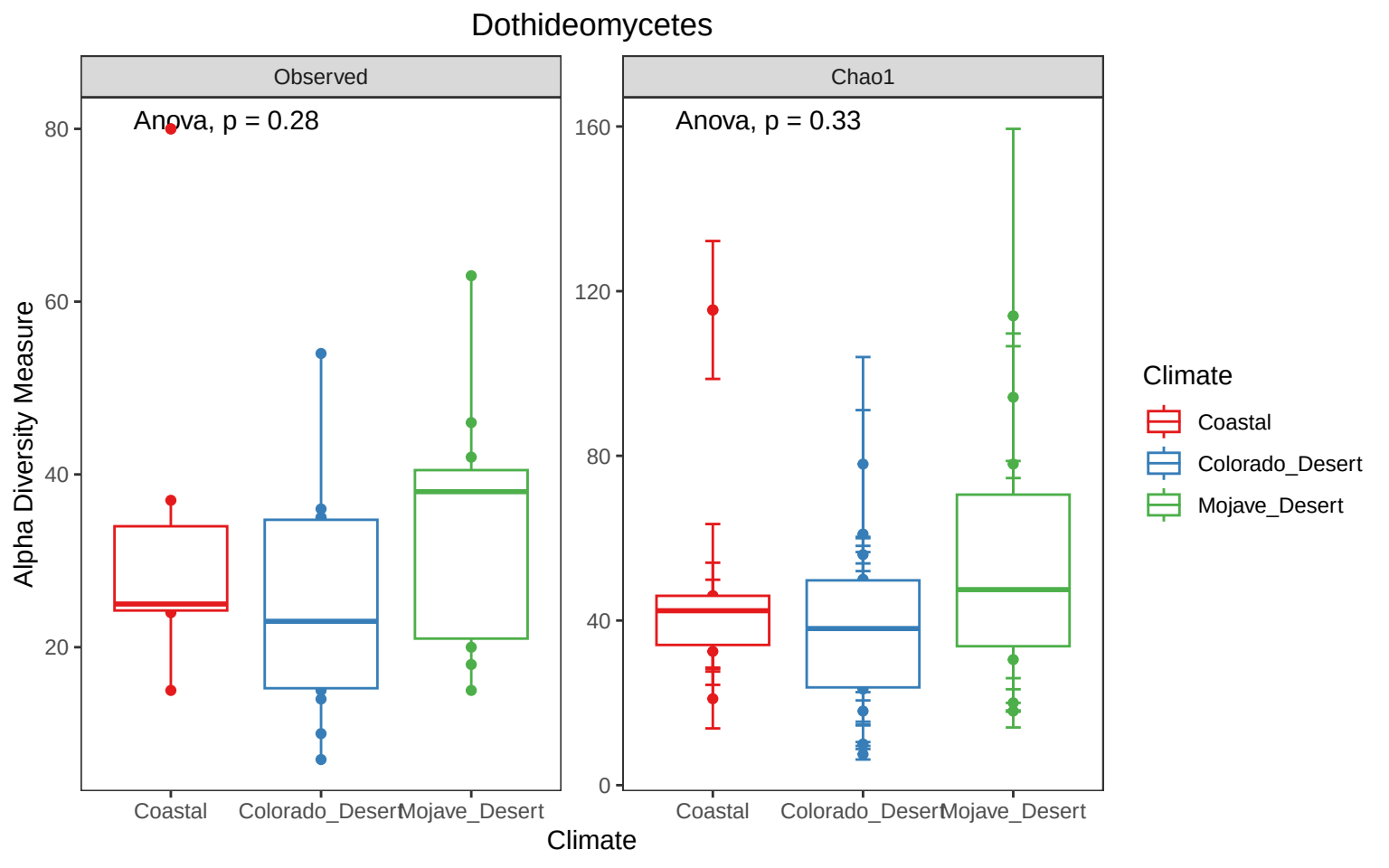

Agaricomycetes
Observed
Chao1
Anova, p = 0.97
Anova, p = 0.73
Alpha Diversity Measure
20
10
75
50
25
0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

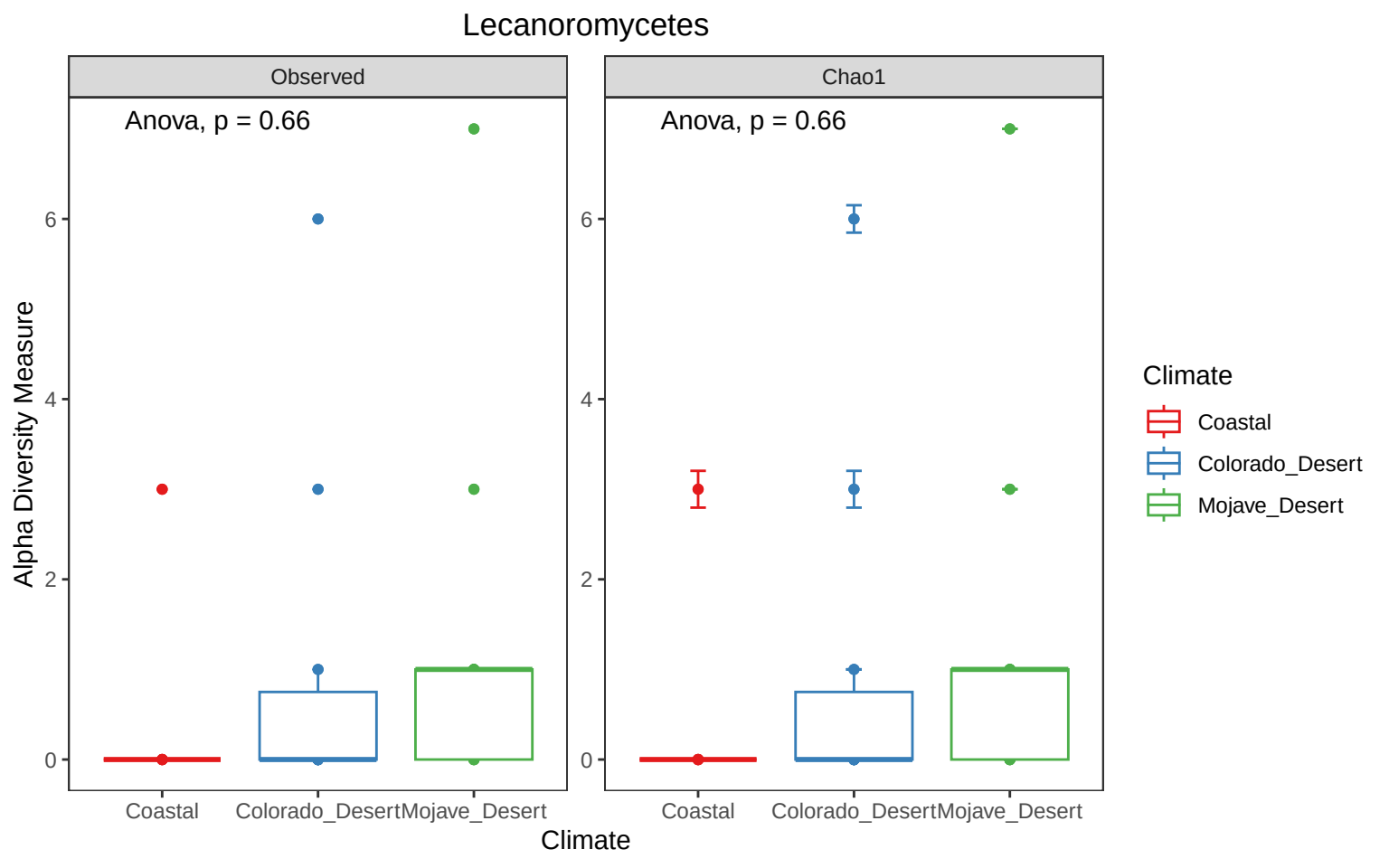

Eurotiomycetes
Observed
Chao1
Anova, p = 0.017
Anova, p = 0.036
Alpha Diversity Measure
0
10
20
30
40
0
20
40
60
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

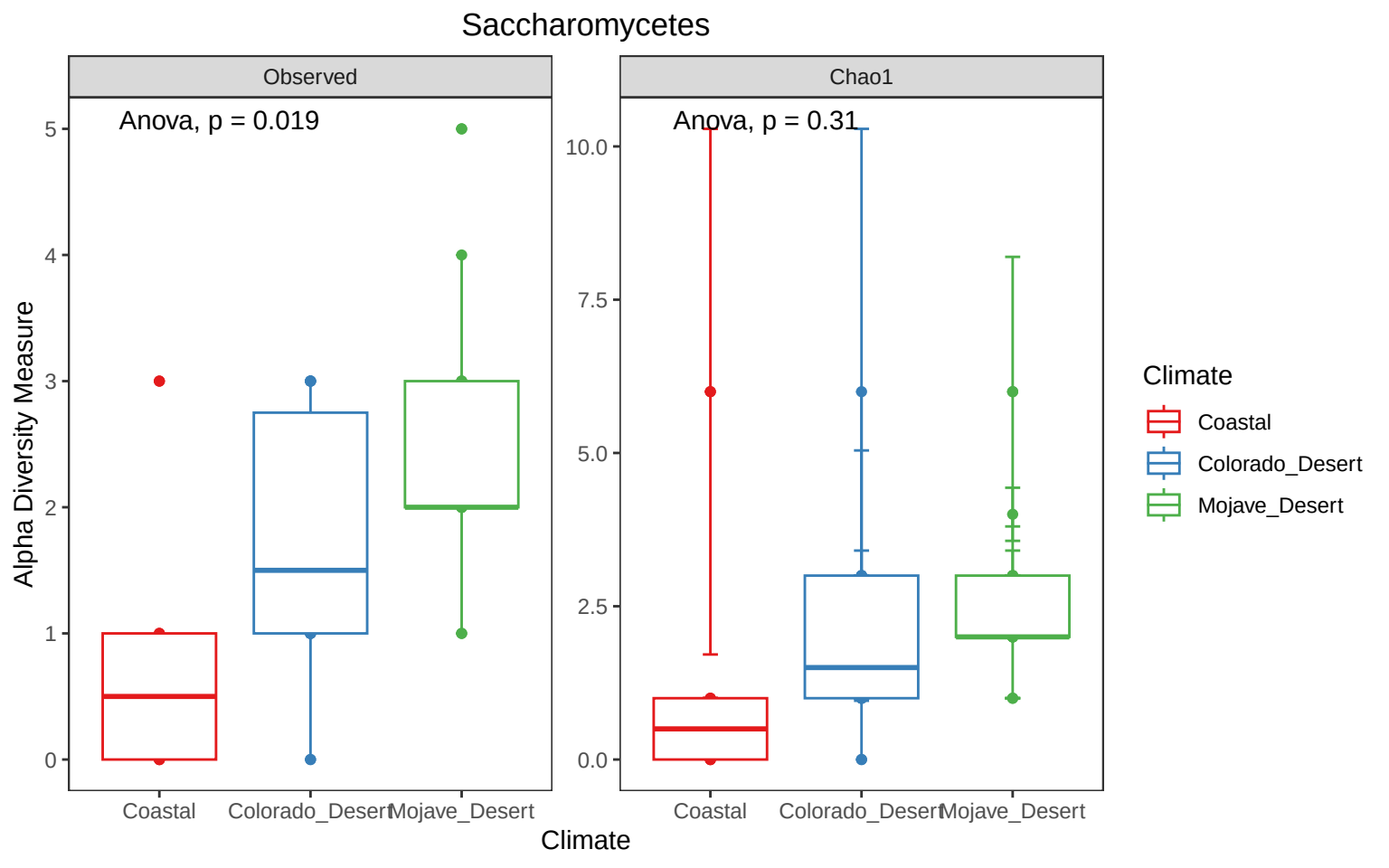

Glomeromycetes
Observed
Chao1
Anova, p = 0.069
Anova, p = 0.31
Alpha Diversity Measure
Climate
Coastal
Colorado_Desert
Mojave_Desert
0
10
20
30
40
50
25
50
75
100
125

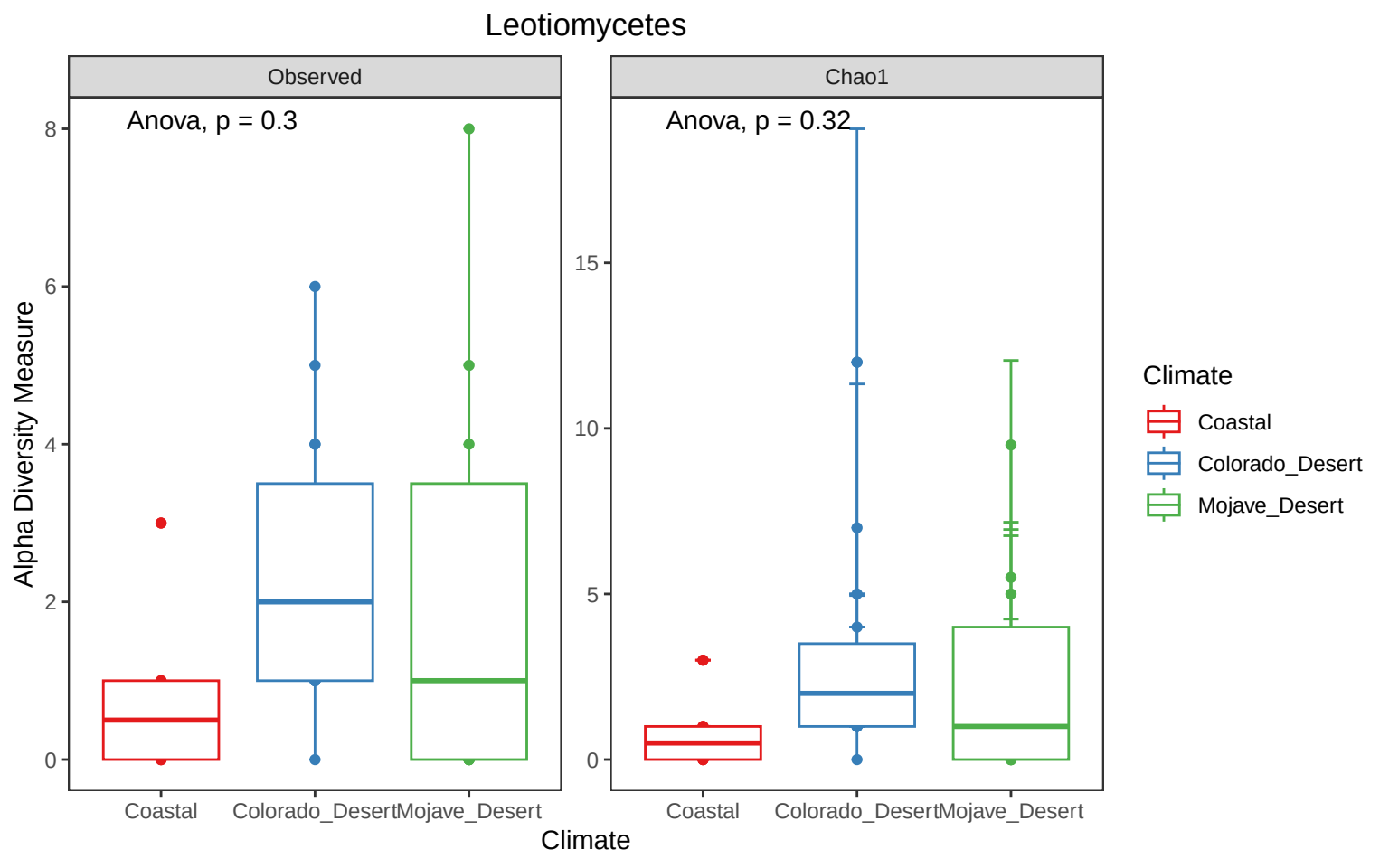

Rhizophlyctidomycetes
Observed
Chao1
Anova, p = 0.45
Anova, p = 0.89
Alpha Diversity Measure
0
3
6
9
0
10
20
30
40
50
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

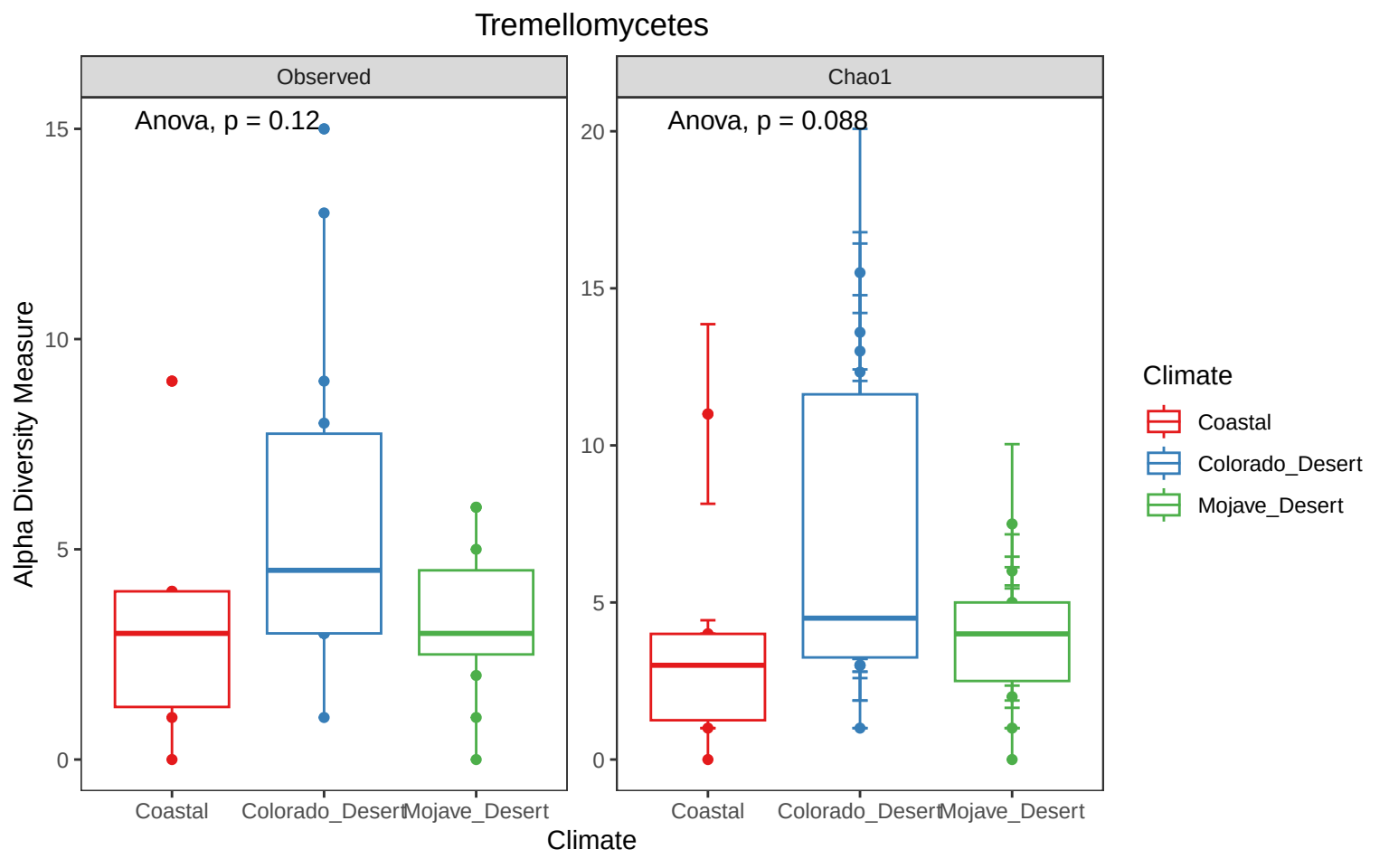

Pezizomycetes
Observed
Chao1
Anova, p = 0.082
Anova, p = 0.071
Alpha Diversity Measure
0
3
6
9
0
5
10
15
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

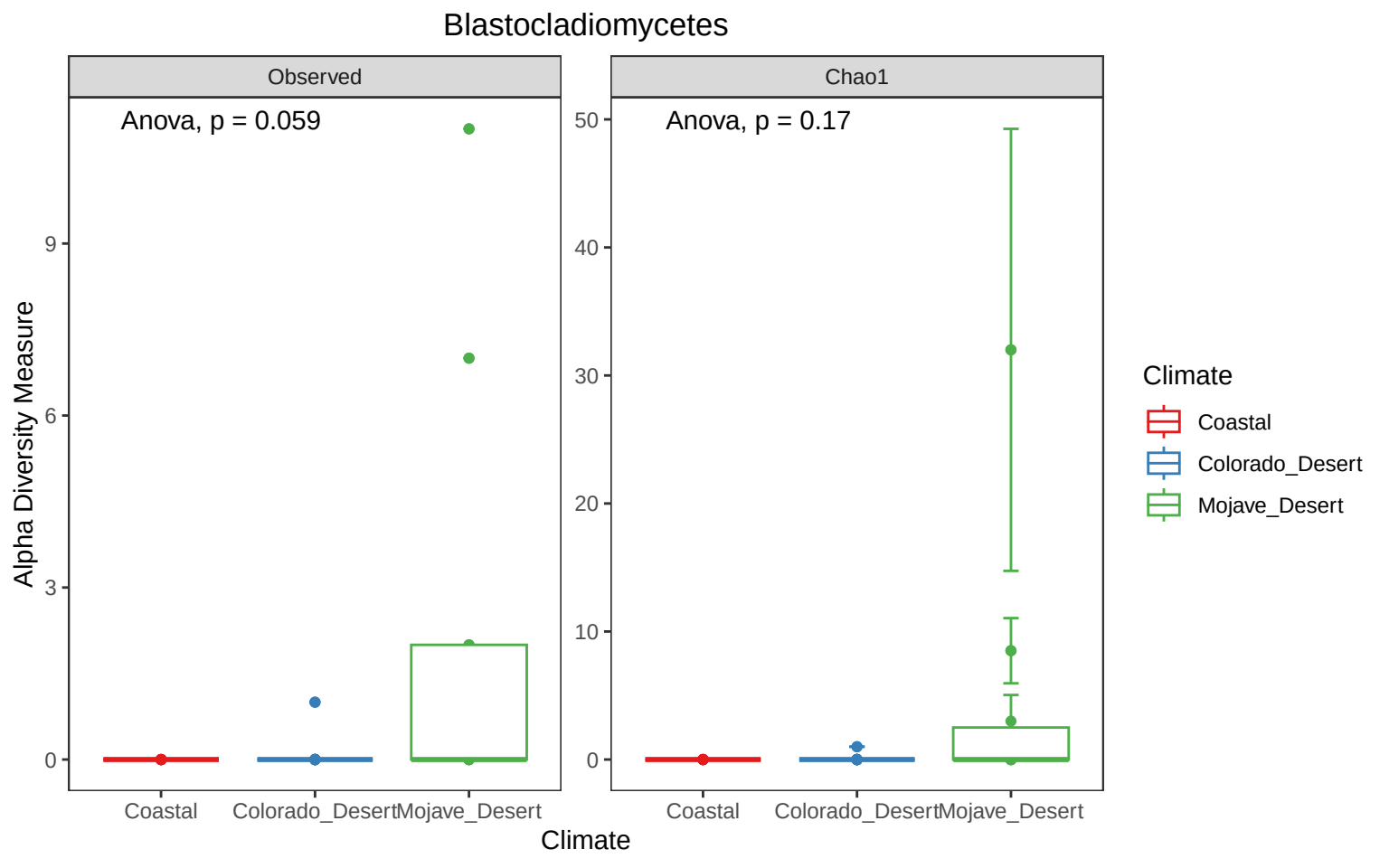

Dothideomycetes
Observed
Chao1
Anova, p = 0.28
Anova, p = 0.33
Alpha Diversity Measure
80
60
40
20
160
120
80
40
0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

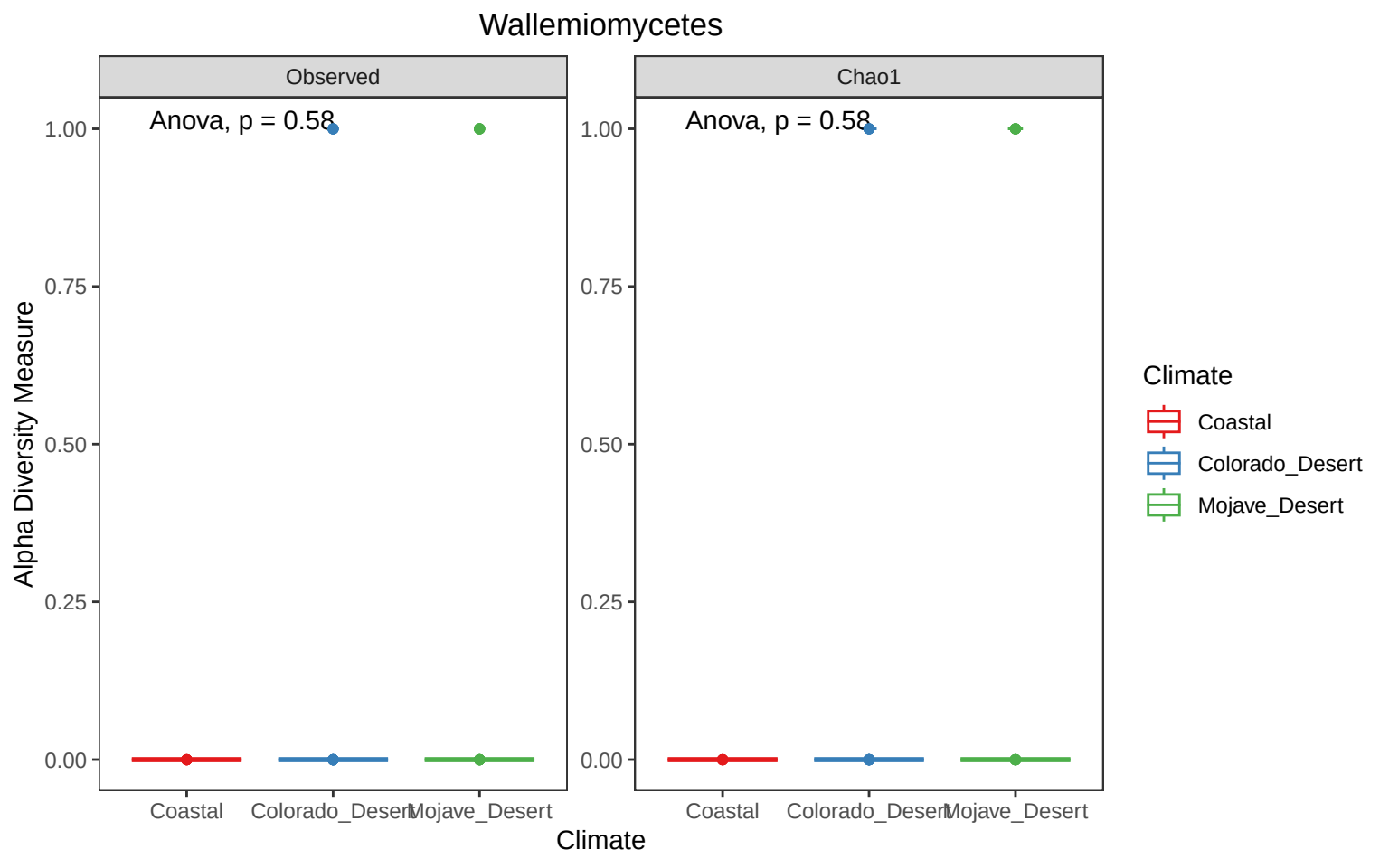

Lecanoromycetes
Observed
Chao1
Anova, p = 0.66
Anova, p = 0.66
Alpha Diversity Measure
0
2
4
6
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

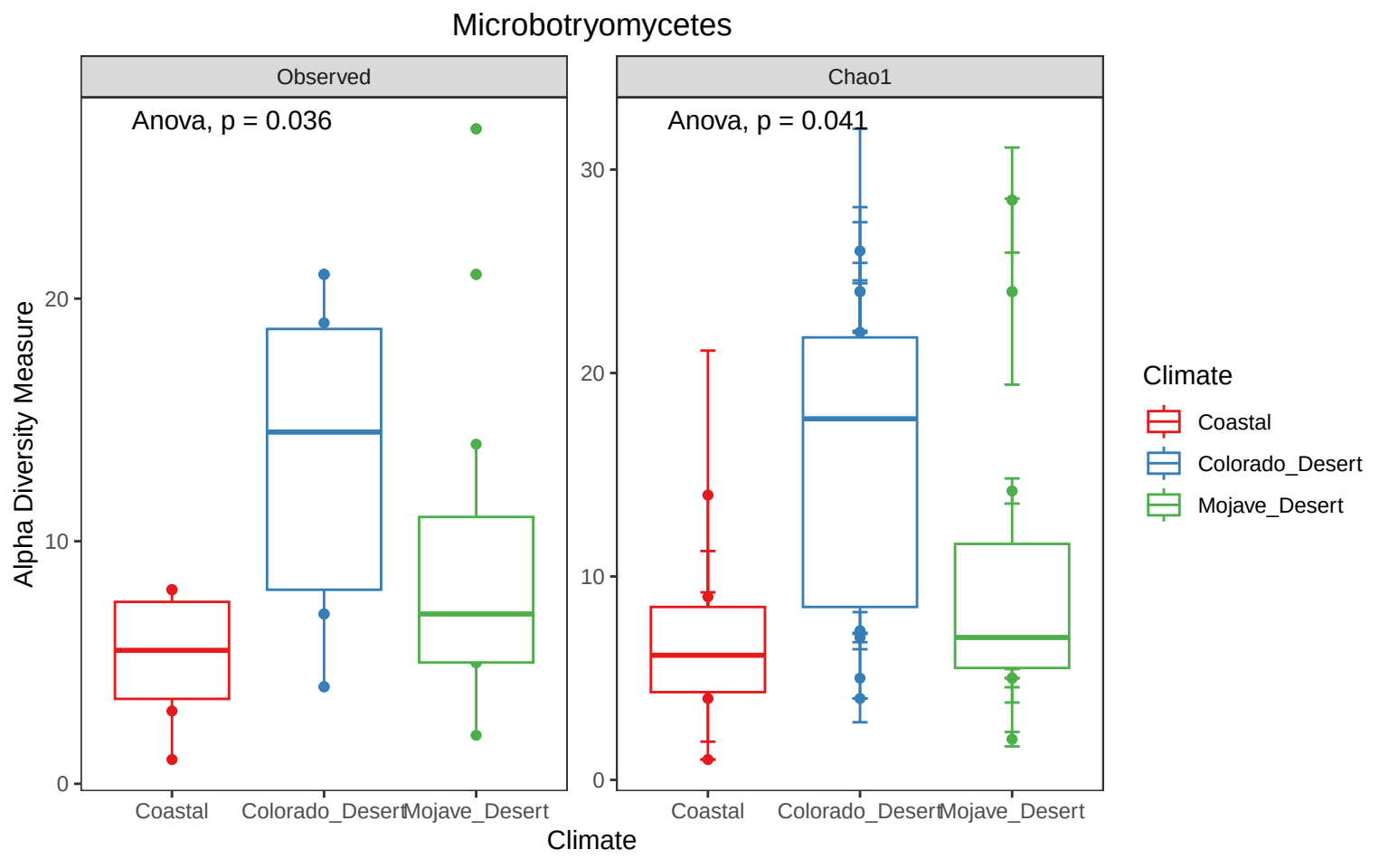

Saccharomycetes
Observed
Chao1
Anova, p = 0.019
Anova, p = 0.31
Alpha Diversity Measure
Climate
Coastal
Colorado_Desert
Mojave_Desert
0
1
2
3
4
5
0.0
2.5
5.0
7.5
10.0

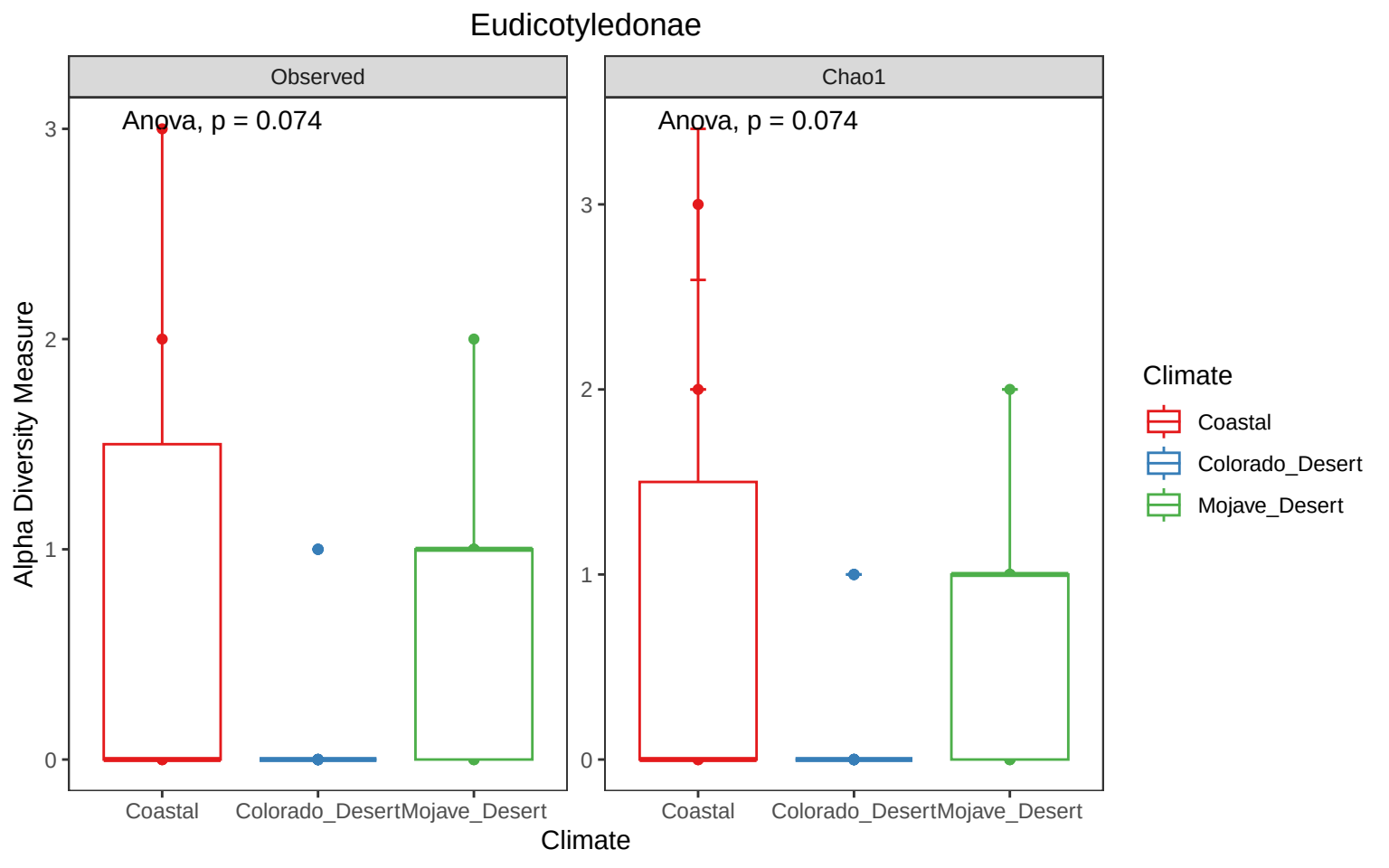

Leotiomycetes
Observed
Chao1
Anova, p = 0.3
Anova, p = 0.32
Alpha Diversity Measure
0
2
4
6
8
0
5
10
15
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

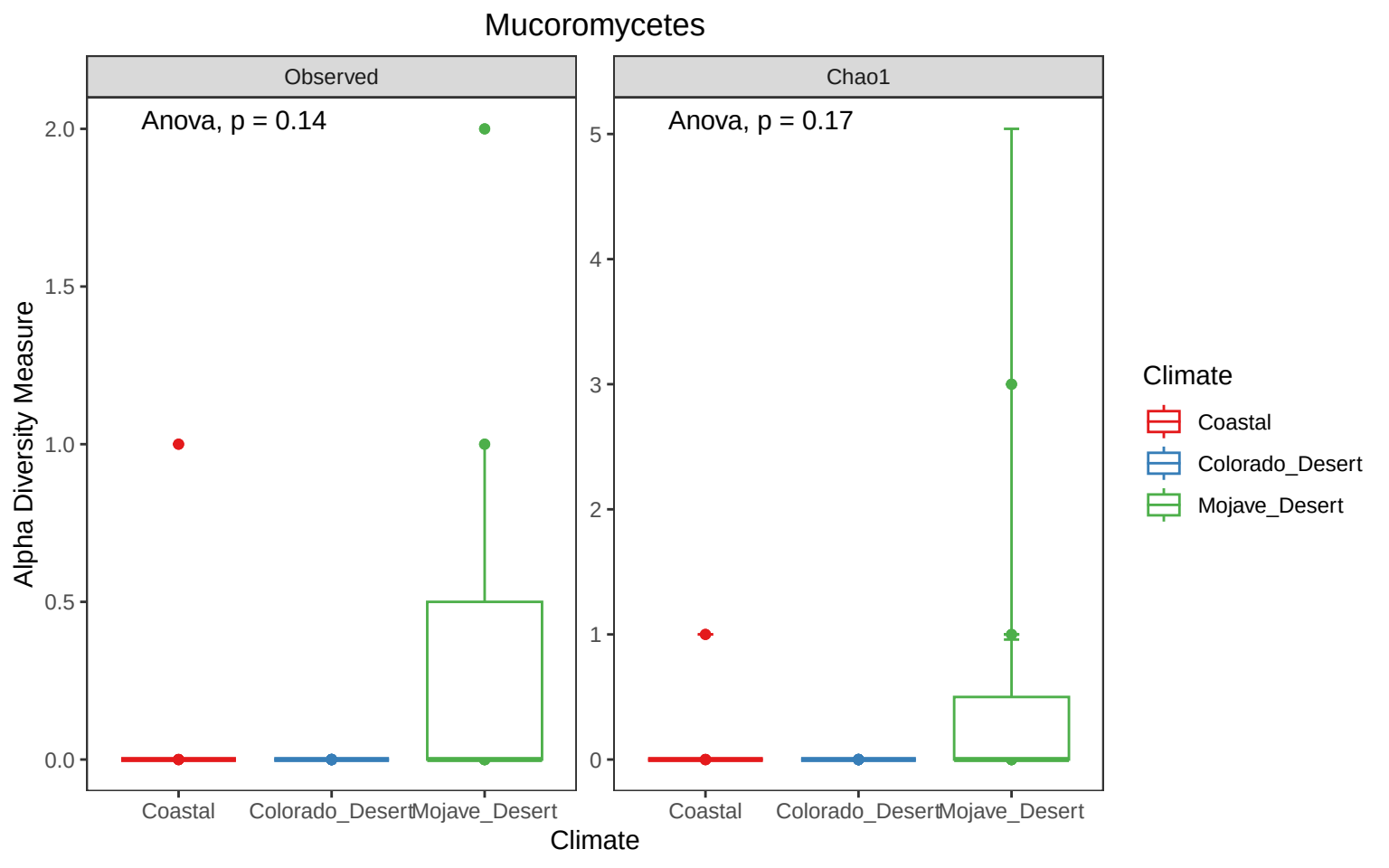

Tremellomycetes
Observed
Chao1
Anova, p = 0.12
Anova, p = 0.088
Alpha Diversity Measure
0
5
10
15
20
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

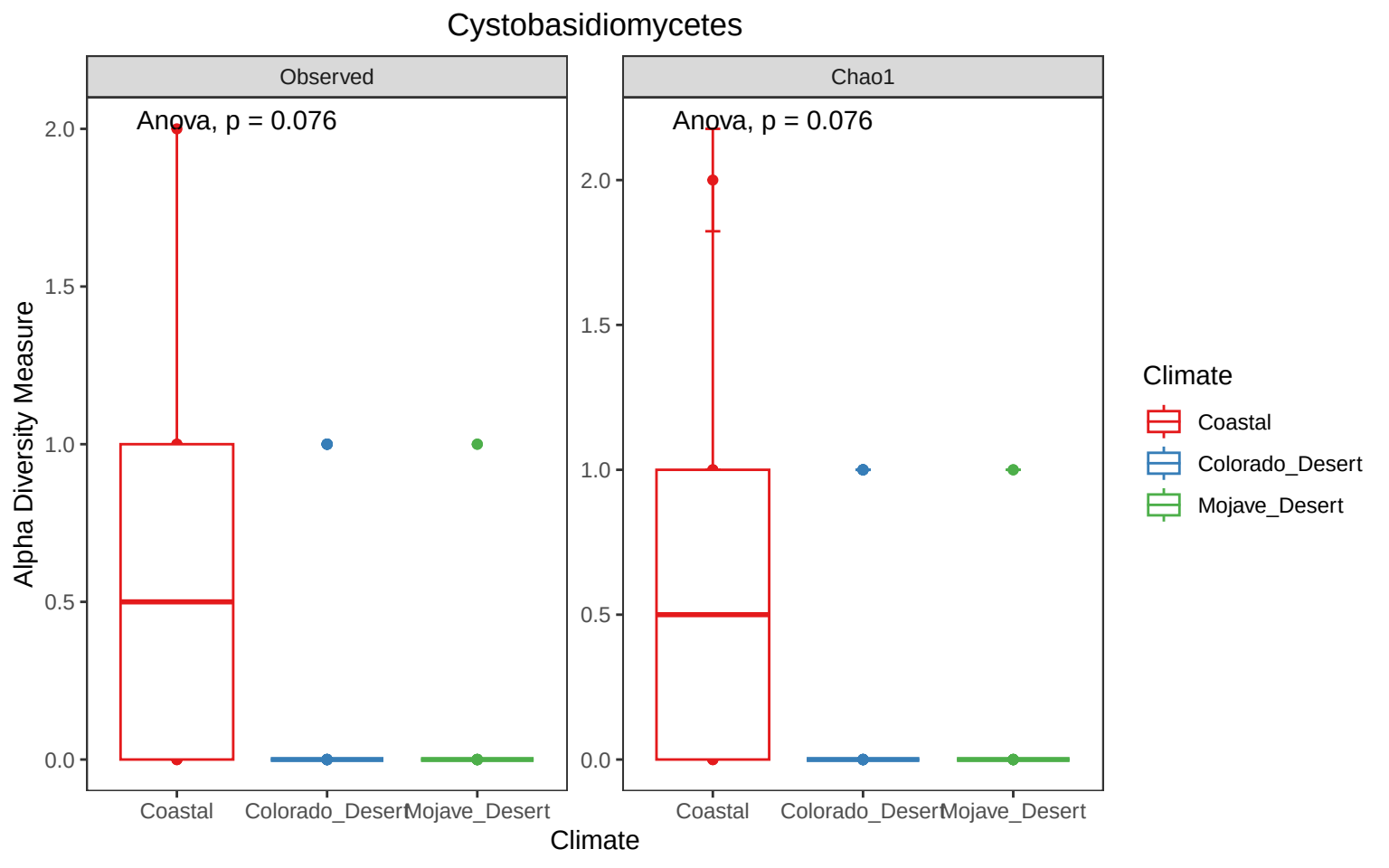

Blastocladiomycetes
Observed
Chao1
Anova, p = 0.059
Anova, p = 0.17
Alpha Diversity Measure
0
3
6
9
0
10
20
30
40
50
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

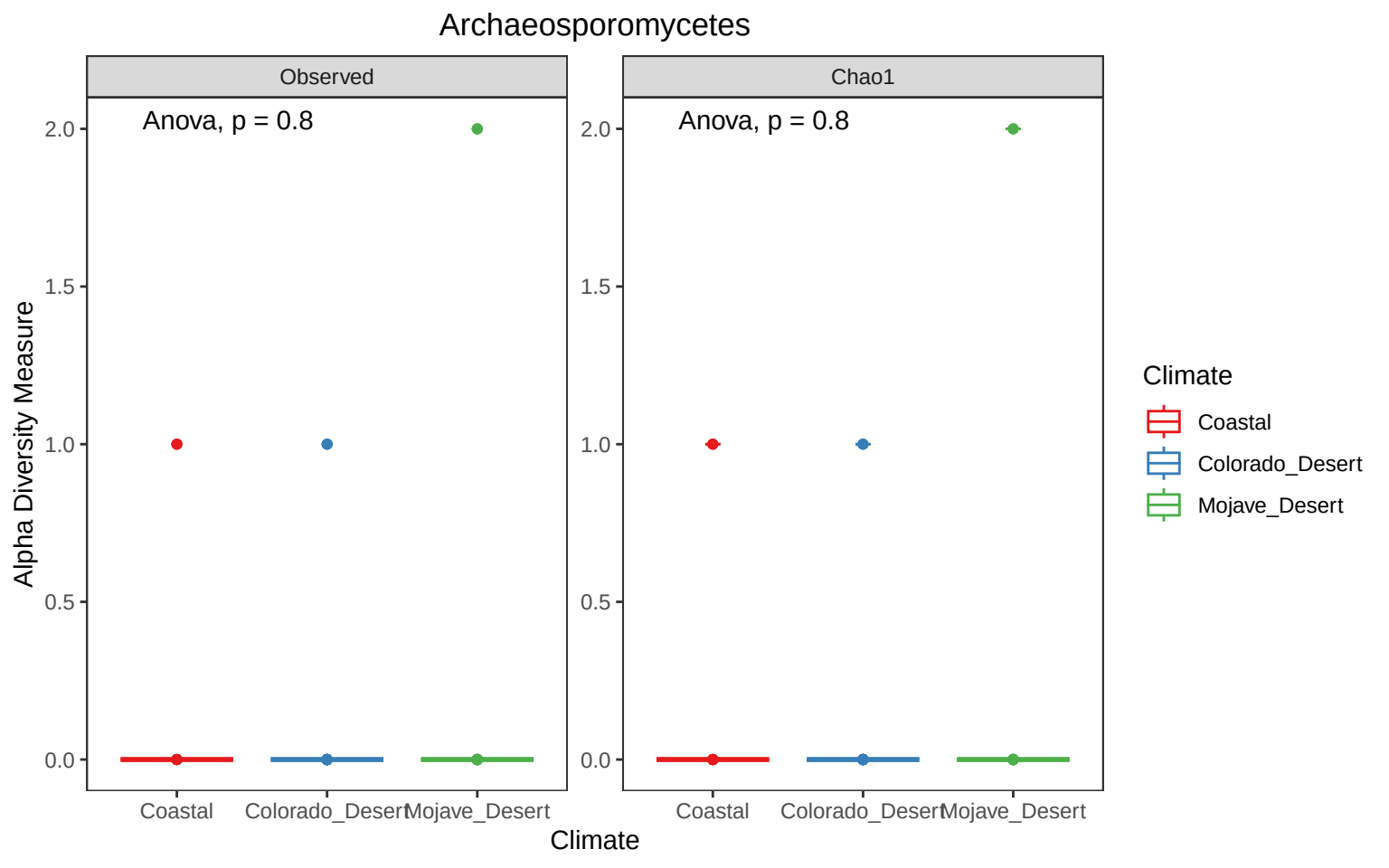

Wallemiomycetes
Observed
Chao1
Anova, p = 0.58
Anova, p = 0.58
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

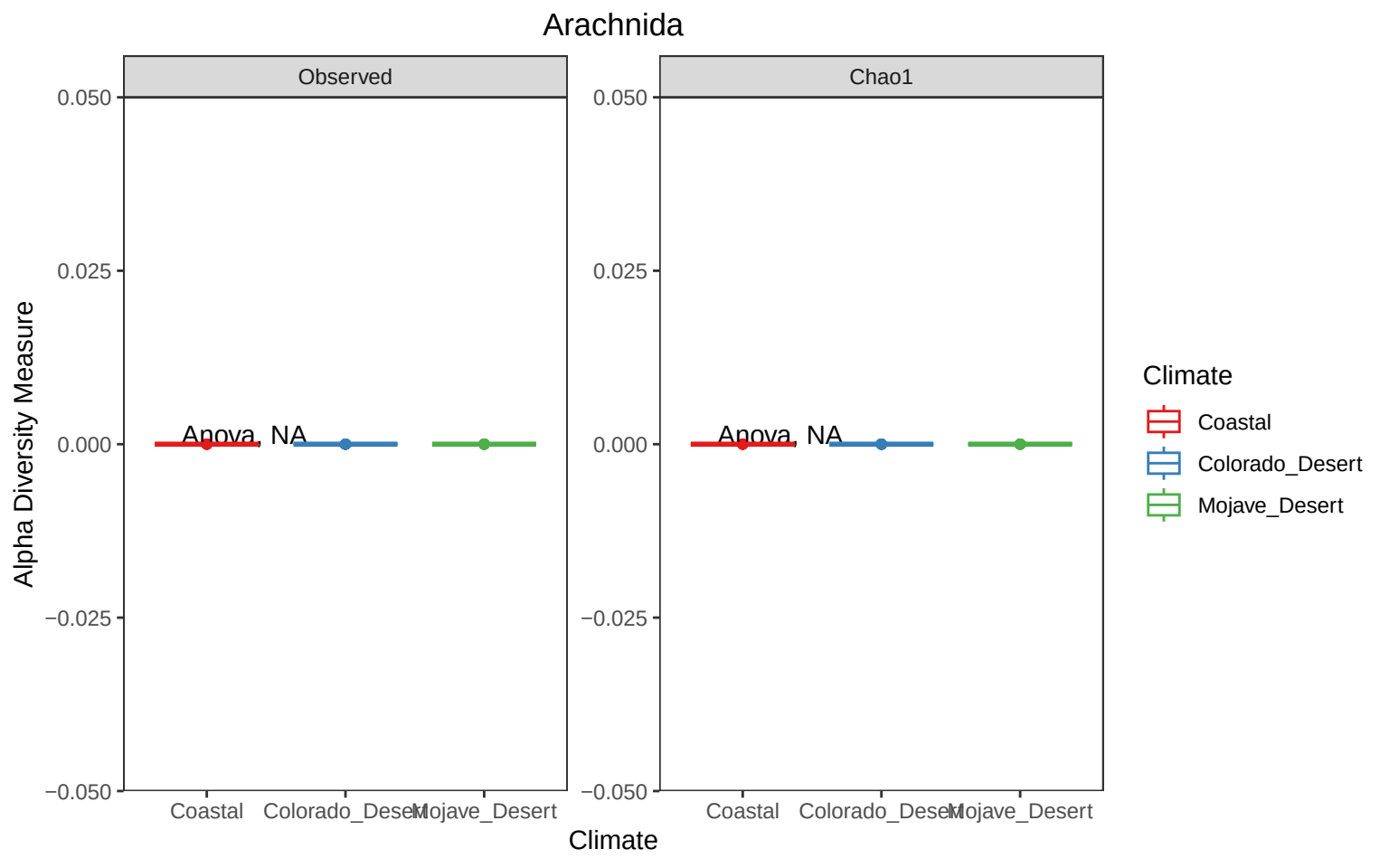

Microbotryomycetes
Observed
Chao1
Anova, p = 0.036
Anova, p = 0.041
Alpha Diversity Measure
0
10
20
30
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

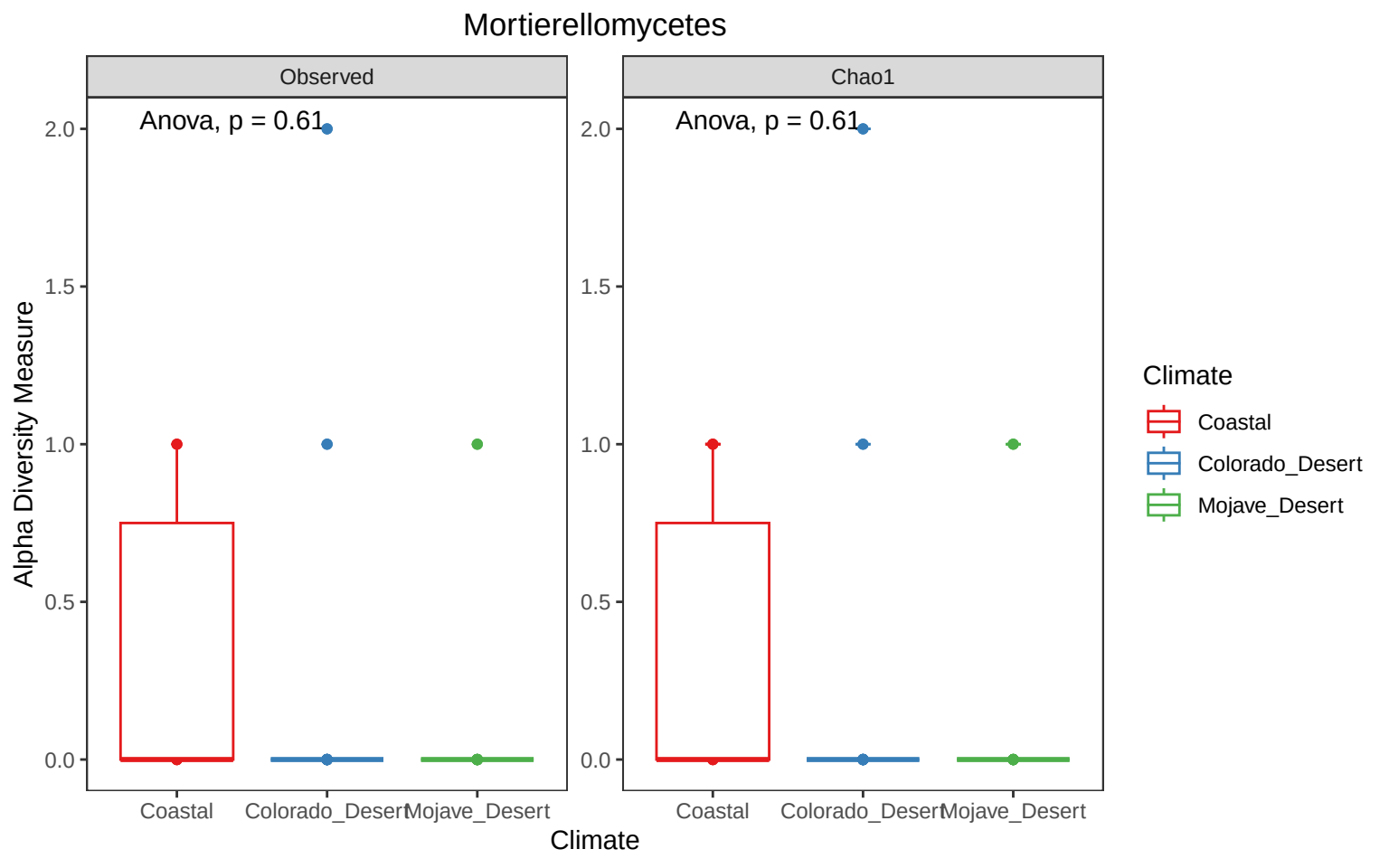

Eudicotyledonae
Observed
Chao1
Anova, p = 0.074
Anova, p = 0.074
Alpha Diversity Measure
0
1
2
3
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

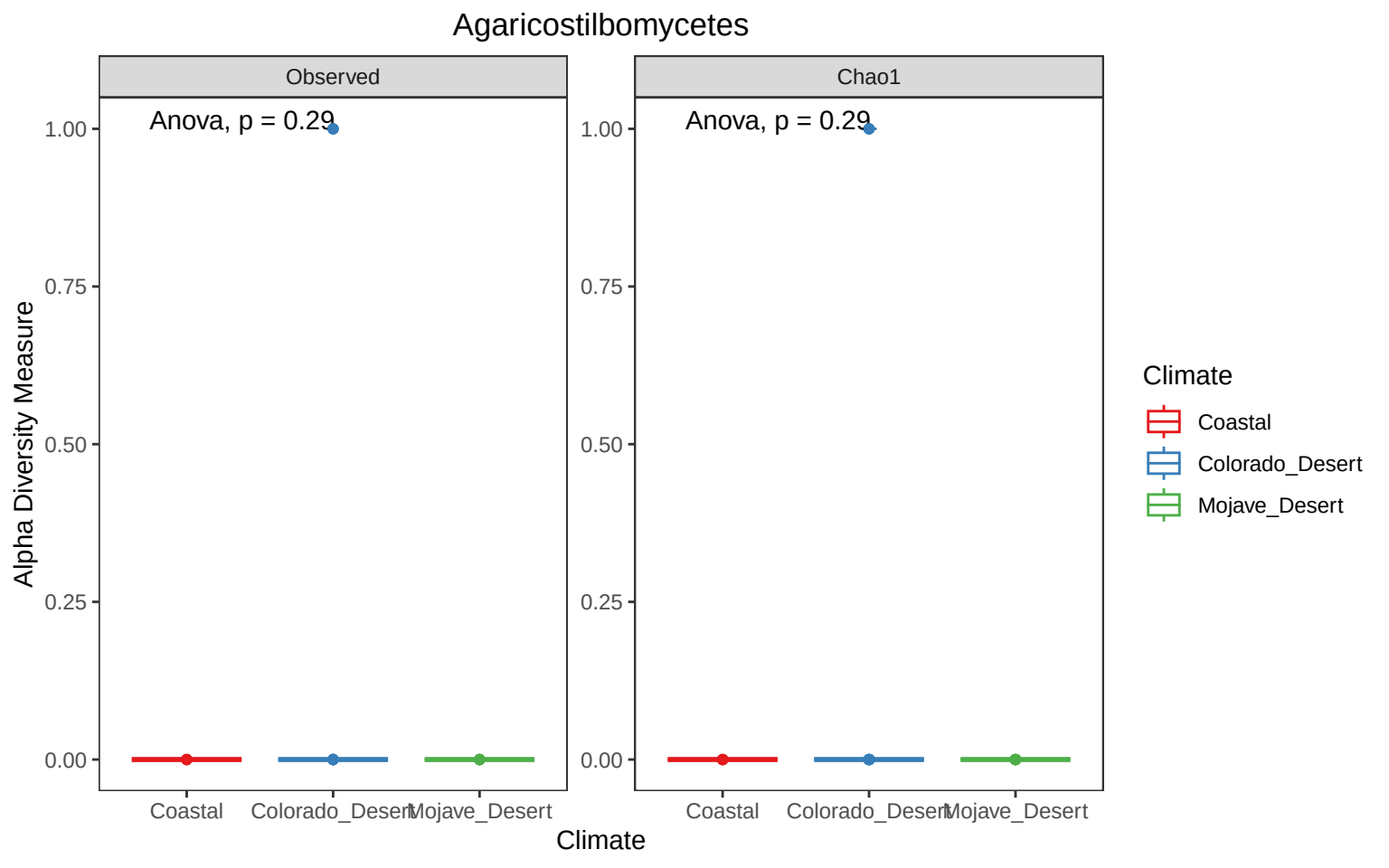

Mucoromycetes
Observed
Chao1
Anova, p = 0.14
Anova, p = 0.17
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
5
4
3
2
1
0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

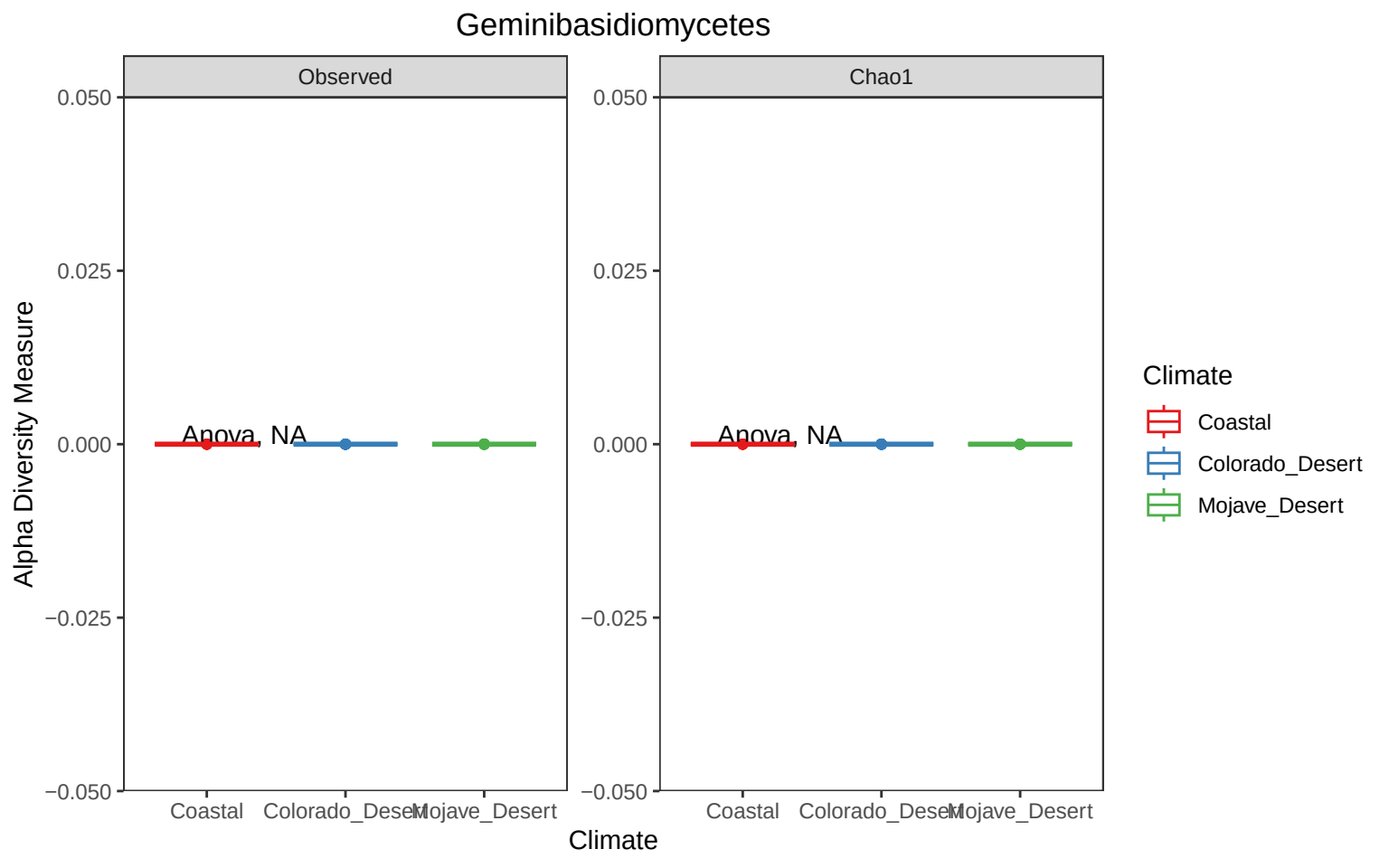

Cystobasidiomycetes
Observed
Chao1
Anova, p = 0.076
Anova, p = 0.076
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

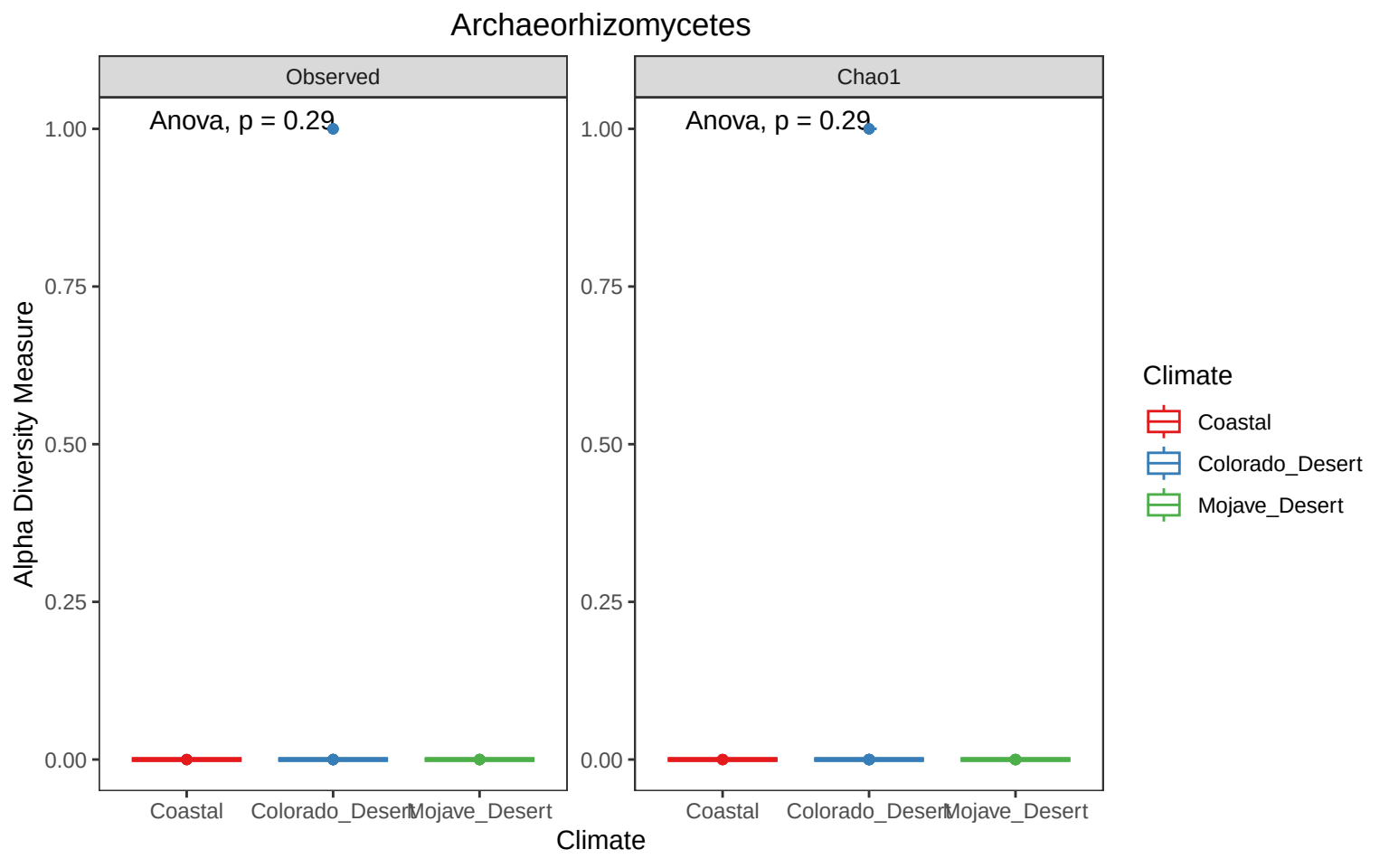

Archaeosporomycetes
Observed
Chao1
Anova, p = 0.8
Anova, p = 0.8
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

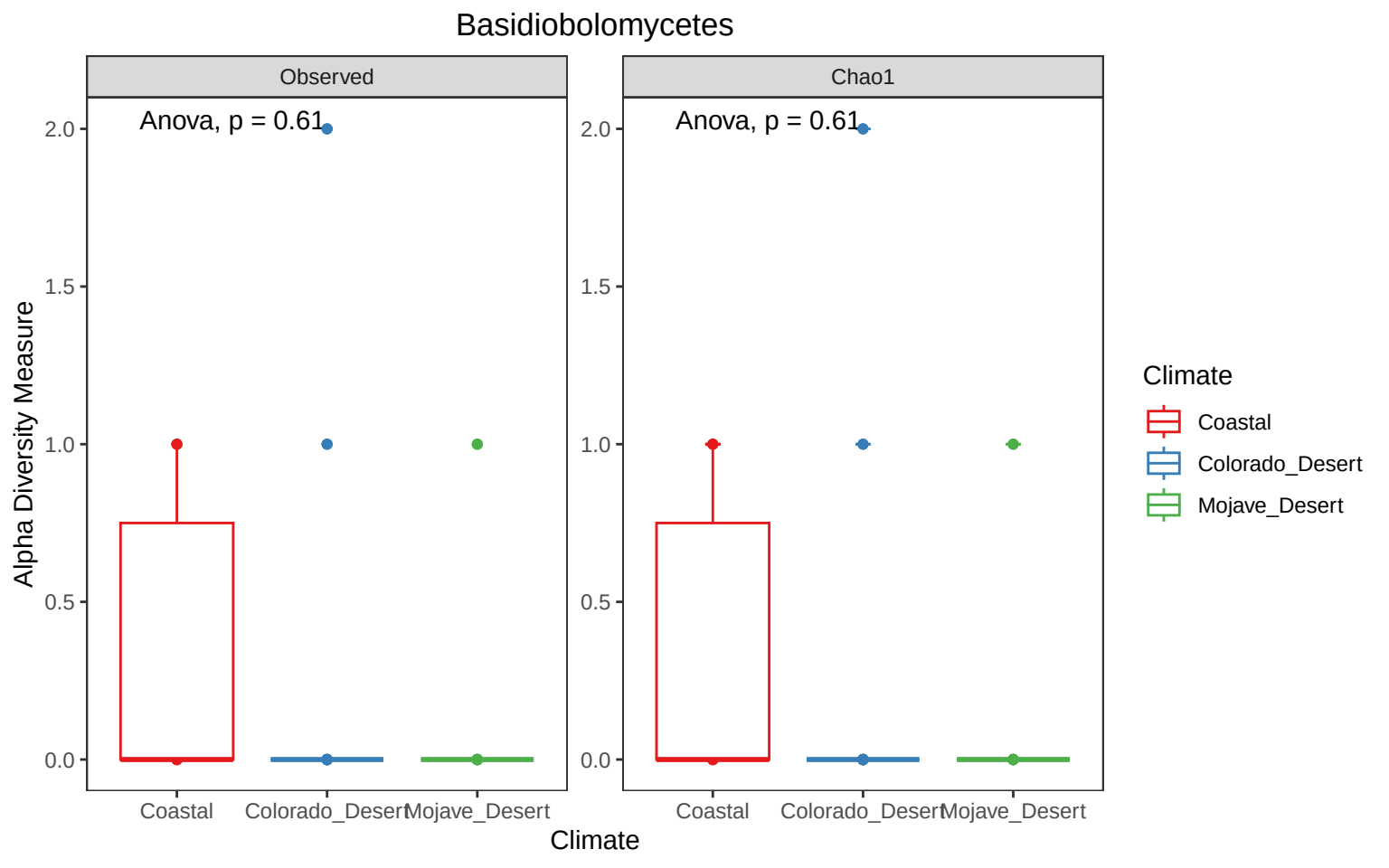

Arachnida
Observed
Chao1
0.050
0.025
0.000
−0.025
−0.050
Anova, NA
Anova, NA
Coastal
Colorado_Desert
Mojave_Desert
Alpha Diversity Measure
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

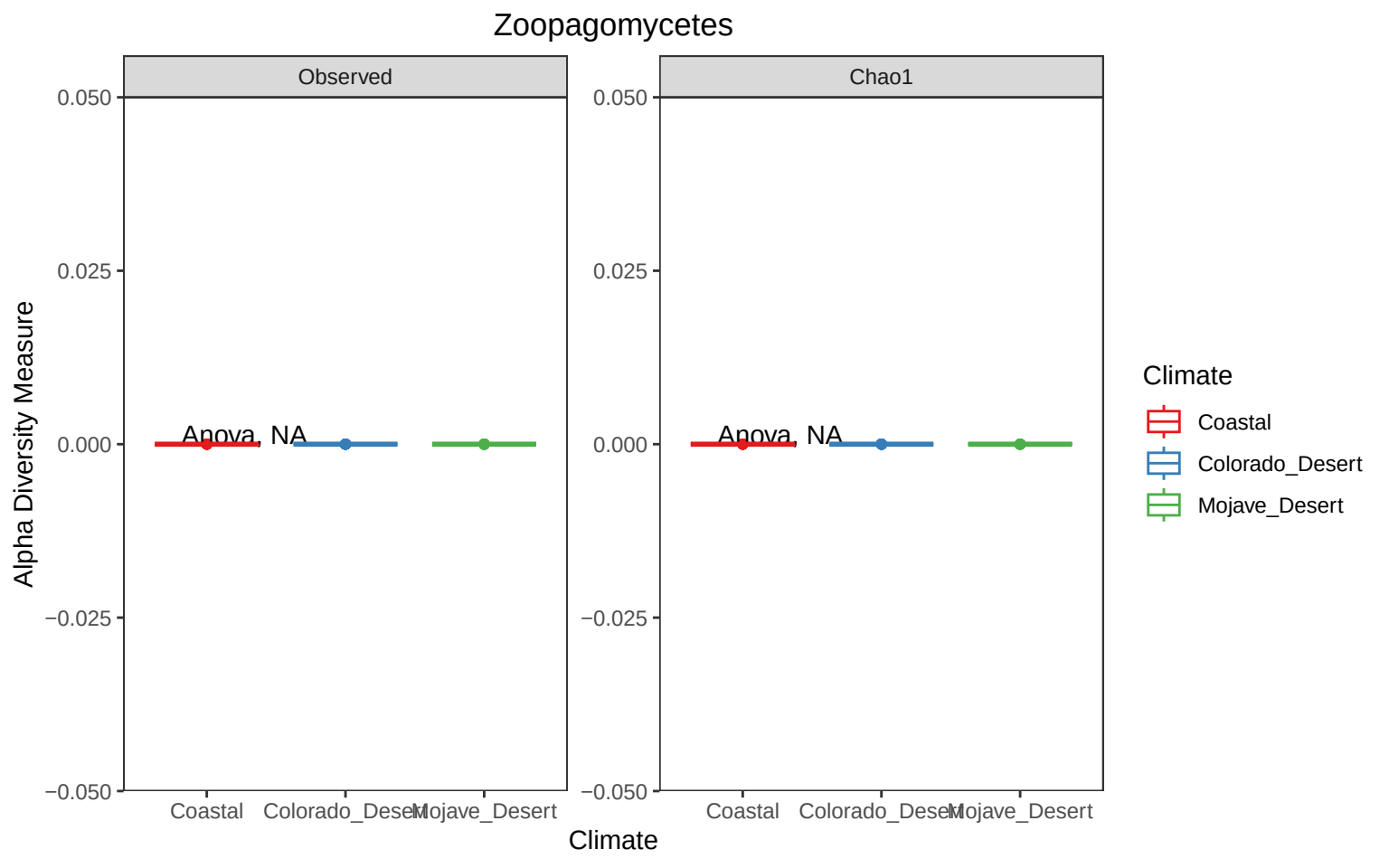

Mortierellomycetes
Observed
Chao1
Anova, p = 0.61
Anova, p = 0.61
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

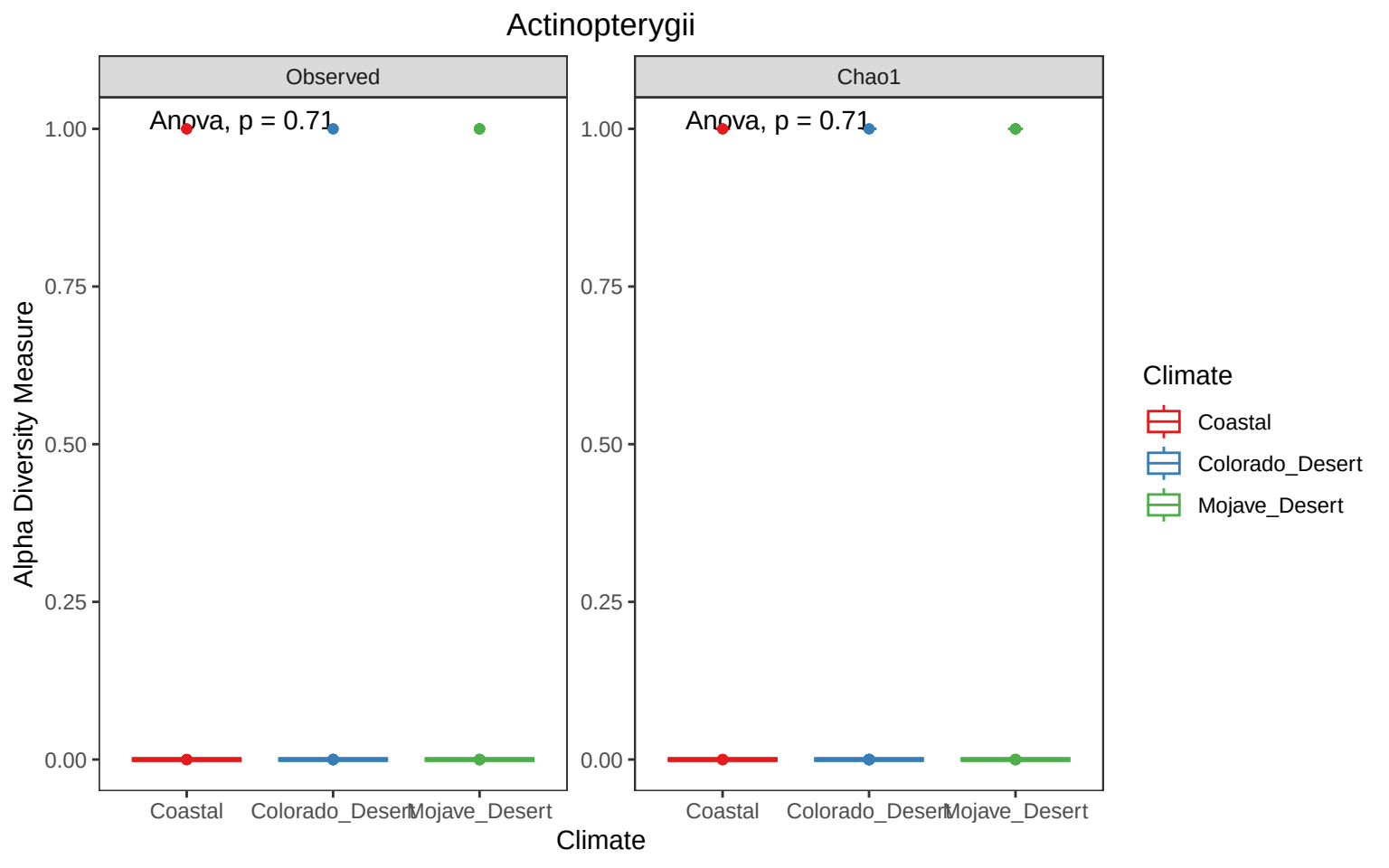

Agaricostilbomycetes
Observed
Chao1
Anova, p = 0.29
Anova, p = 0.29
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

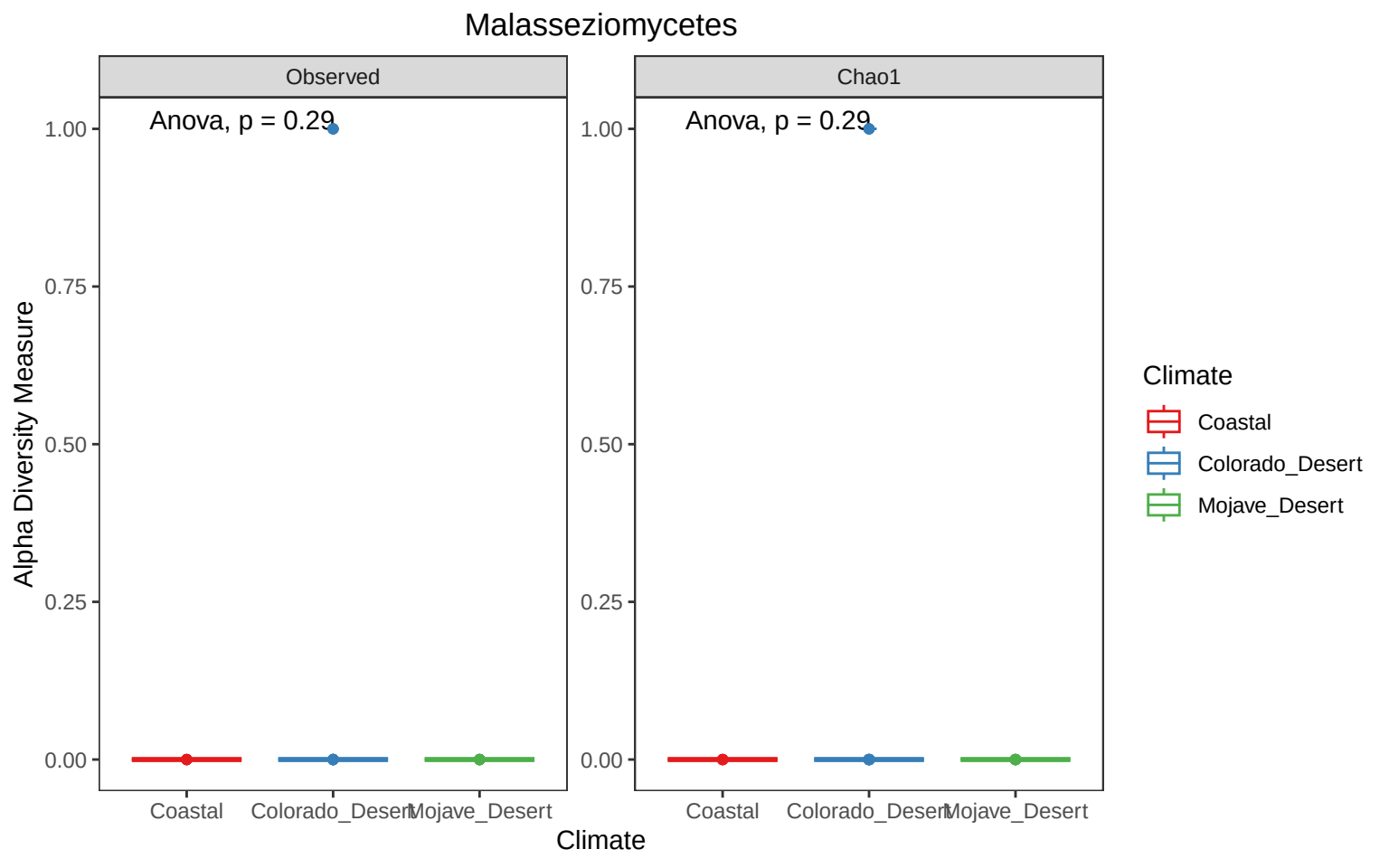

Geminibasidiomycetes
Observed
Chao1
Anova, NA
Anova, NA
0.050
0.025
0.000
−0.025
−0.050
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

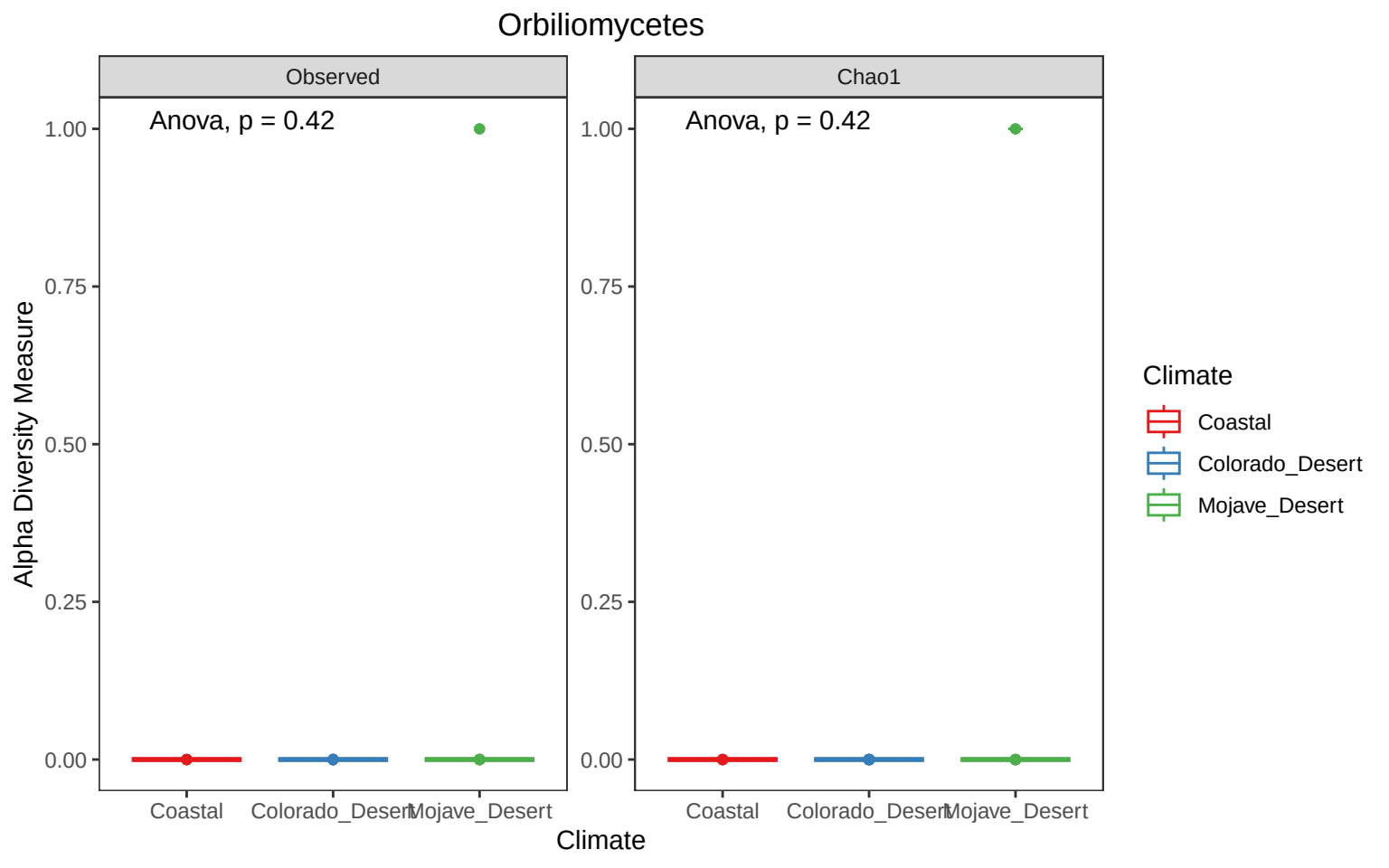

Archaeorhizomycetes
Observed
Chao1
Anova, p = 0.29
Anova, p = 0.29
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

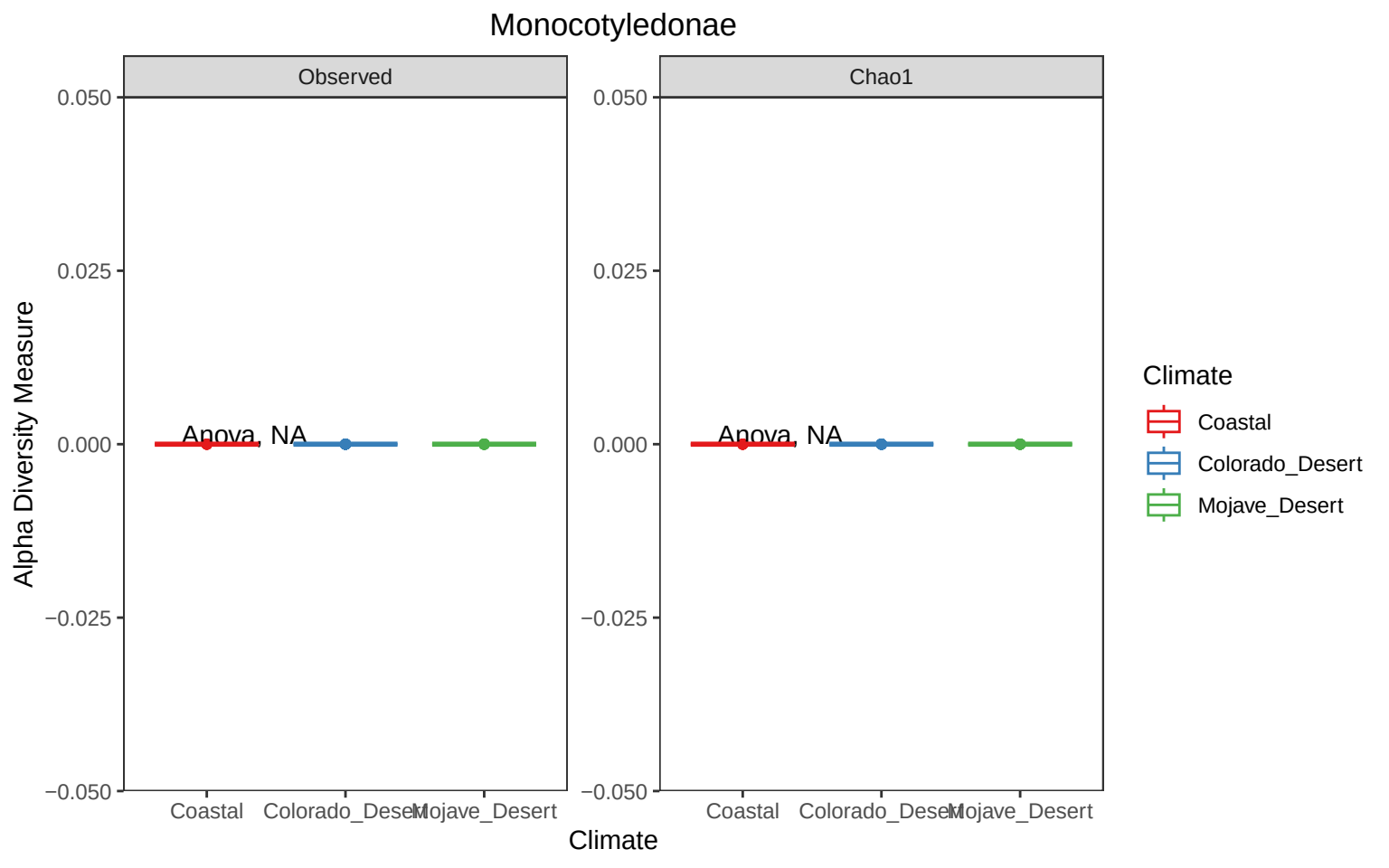

Basidiobolomycetes
Observed
Chao1
Anova, p = 0.61
Anova, p = 0.61
Alpha Diversity Measure
2.0
1.5
1.0
0.5
0.0
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

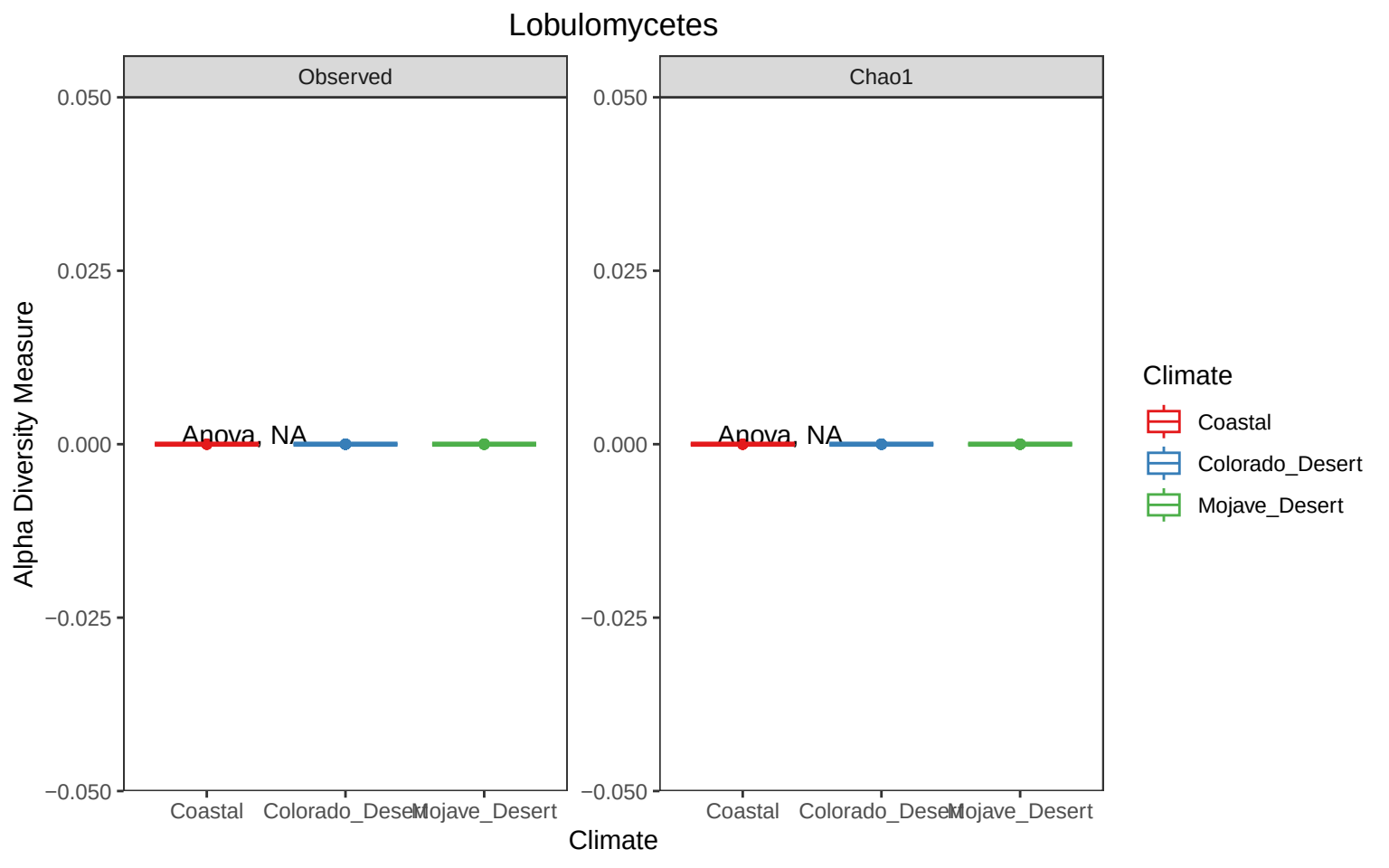

Zoopagomycetes
Observed
Chao1
Anova, NA
Anova, NA
0.050
0.025
0.000
−0.025
−0.050
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert

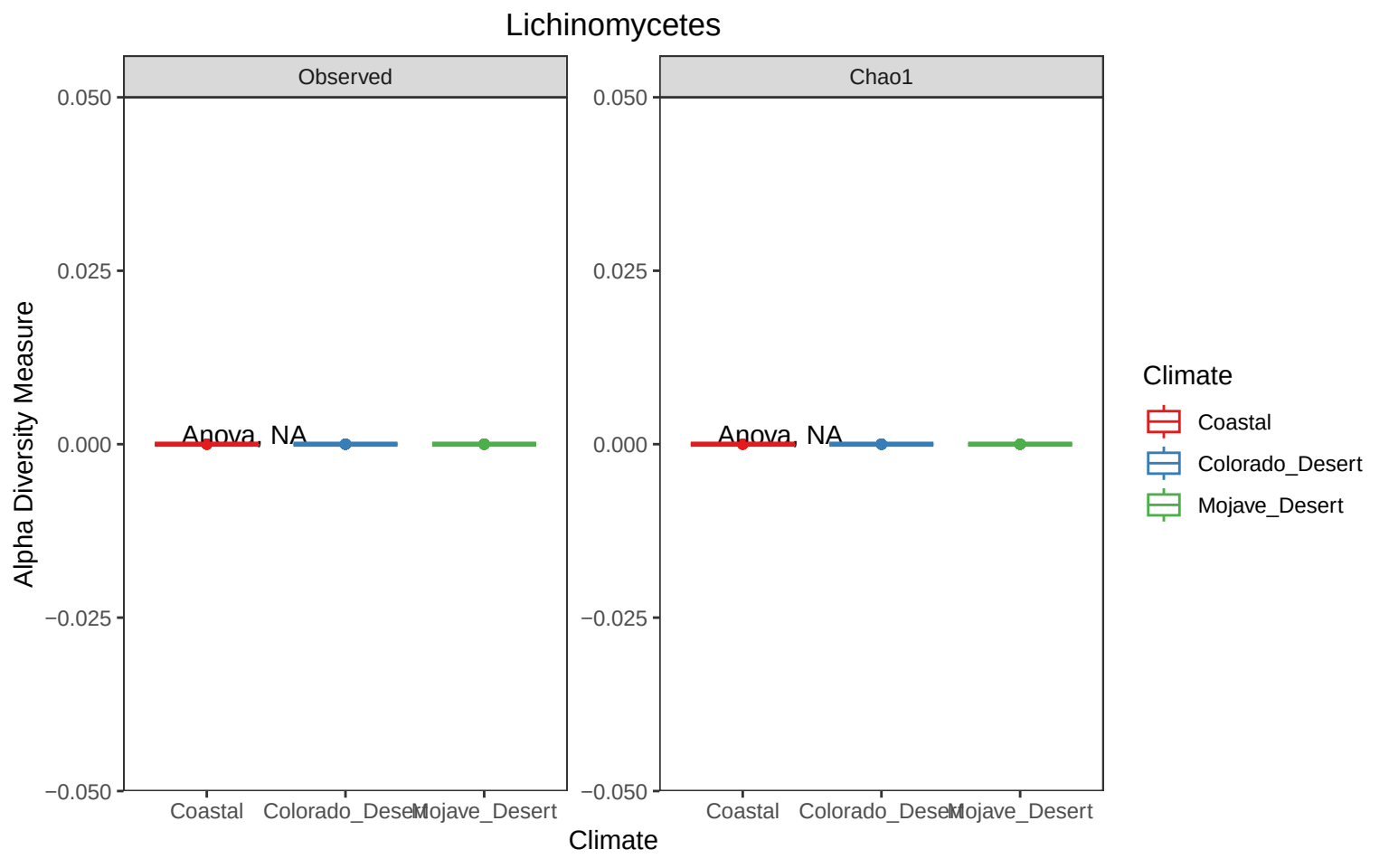

Actinopterygii
Observed
Chao1
Anova, p = 0.71
Anova, p = 0.71
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert


Malasseziomycetes
Observed
Chao1
Anova, p = 0.29
Anova, p = 0.29
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert


Orbiliomycetes
Observed
Chao1
Anova, p = 0.42
Anova, p = 0.42
1.00
0.75
0.50
0.25
0.00
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert


Monocotyledonae
Observed
Chao1
0.050
0.025
0.000
−0.025
−0.050
Anova, NA
Anova, NA
Coastal
Colorado_Desert
Mojave_Desert
Alpha Diversity Measure
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert


Lobulomycetes
Observed
Chao1
0.050
0.025
0.000
−0.025
−0.050
Anova, NA
Anova, NA
Coastal
Colorado_Desert
Mojave_Desert
Alpha Diversity Measure
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert


Lichinomycetes
Observed
Chao1
Anova, NA
Anova, NA
0.050
0.025
0.000
−0.025
−0.050
Alpha Diversity Measure
Coastal
Colorado_Desert
Mojave_Desert
Climate
Climate
Coastal
Colorado_Desert
Mojave_Desert