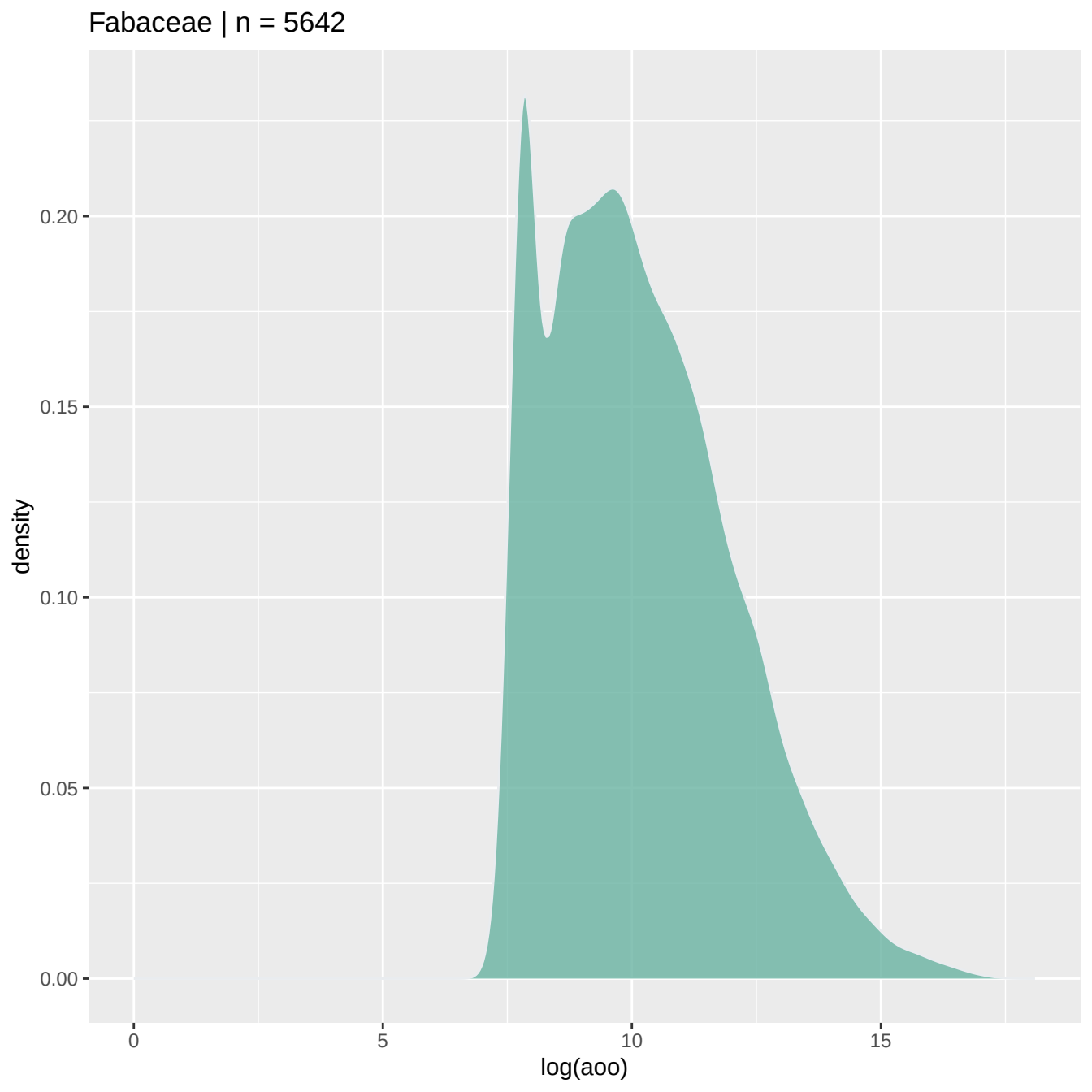
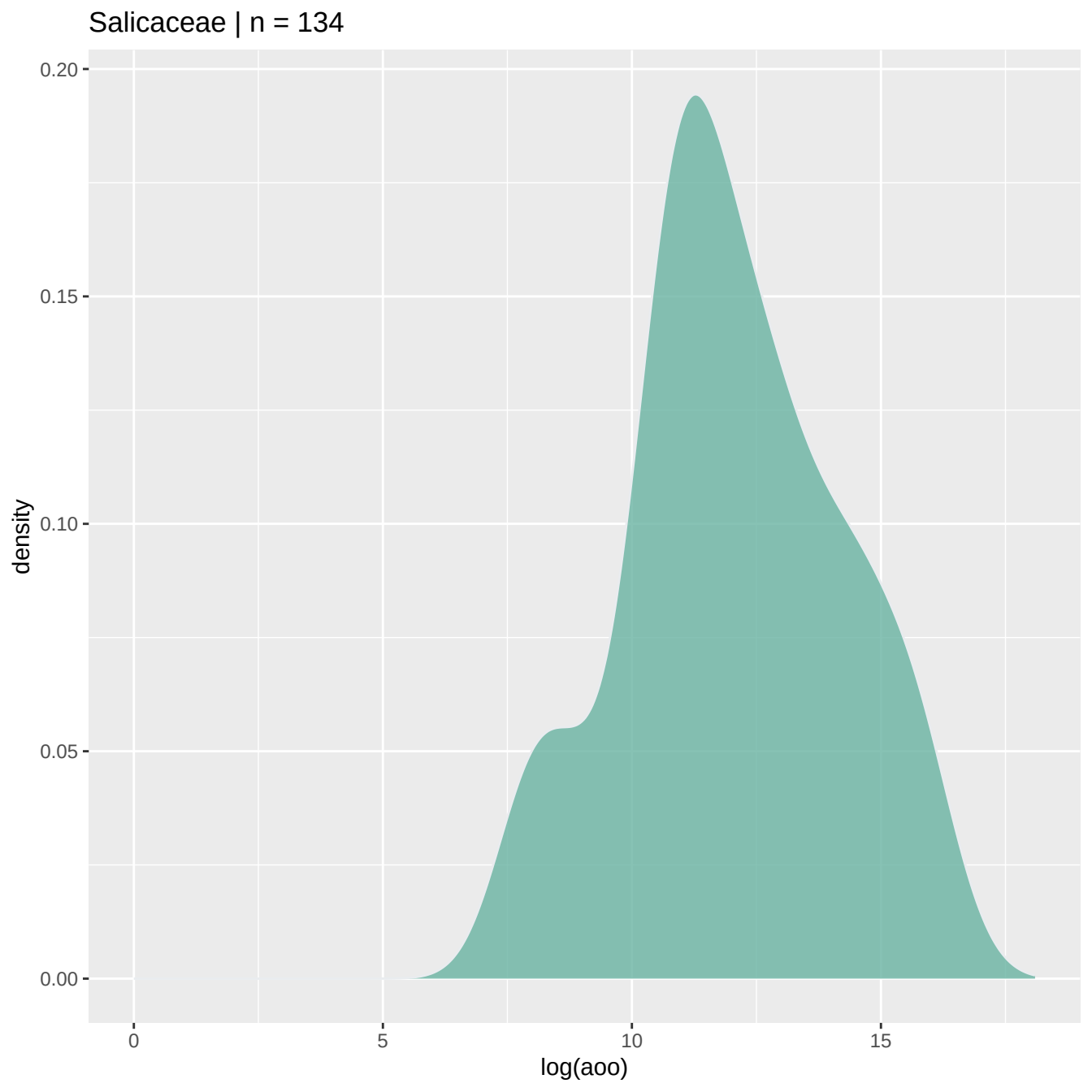
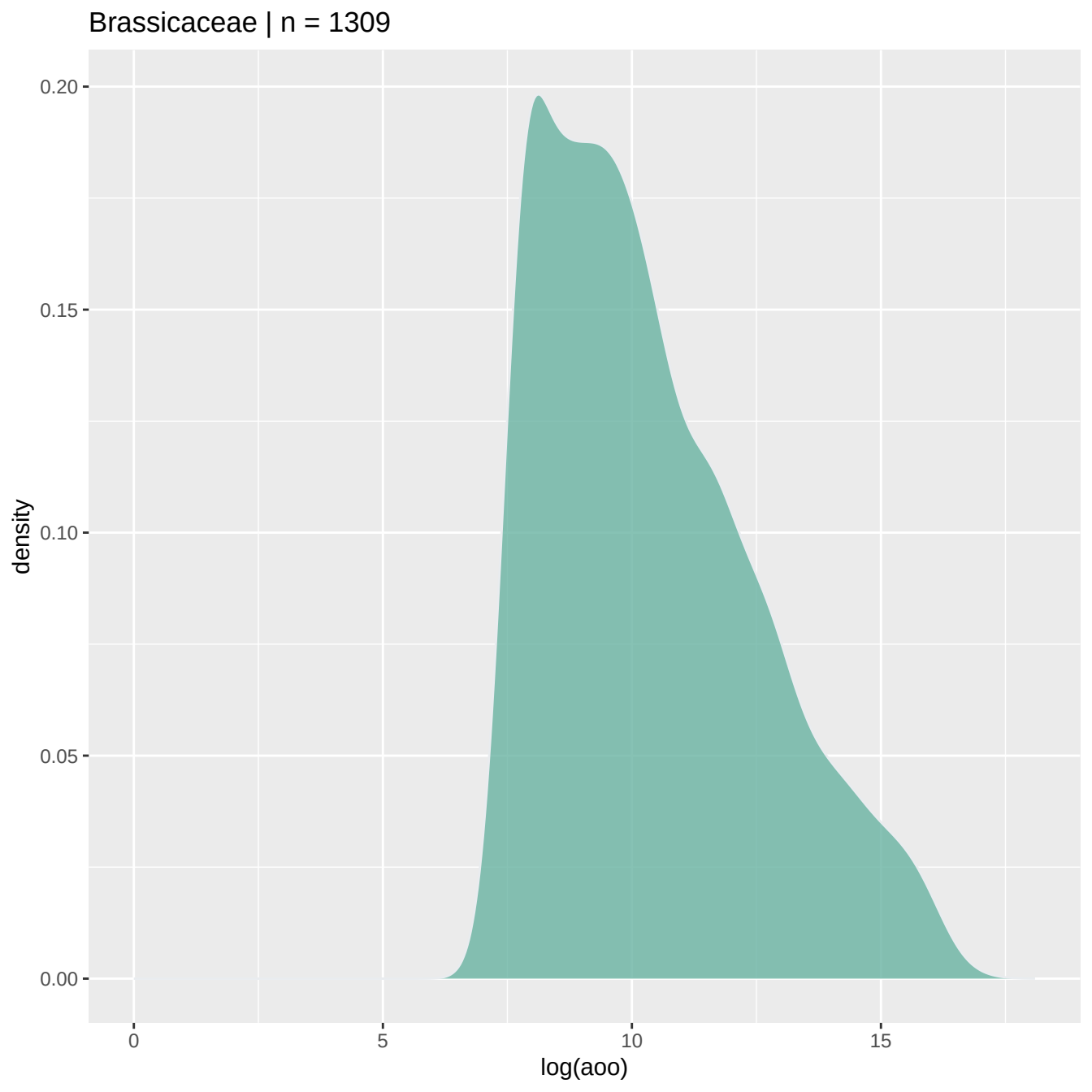
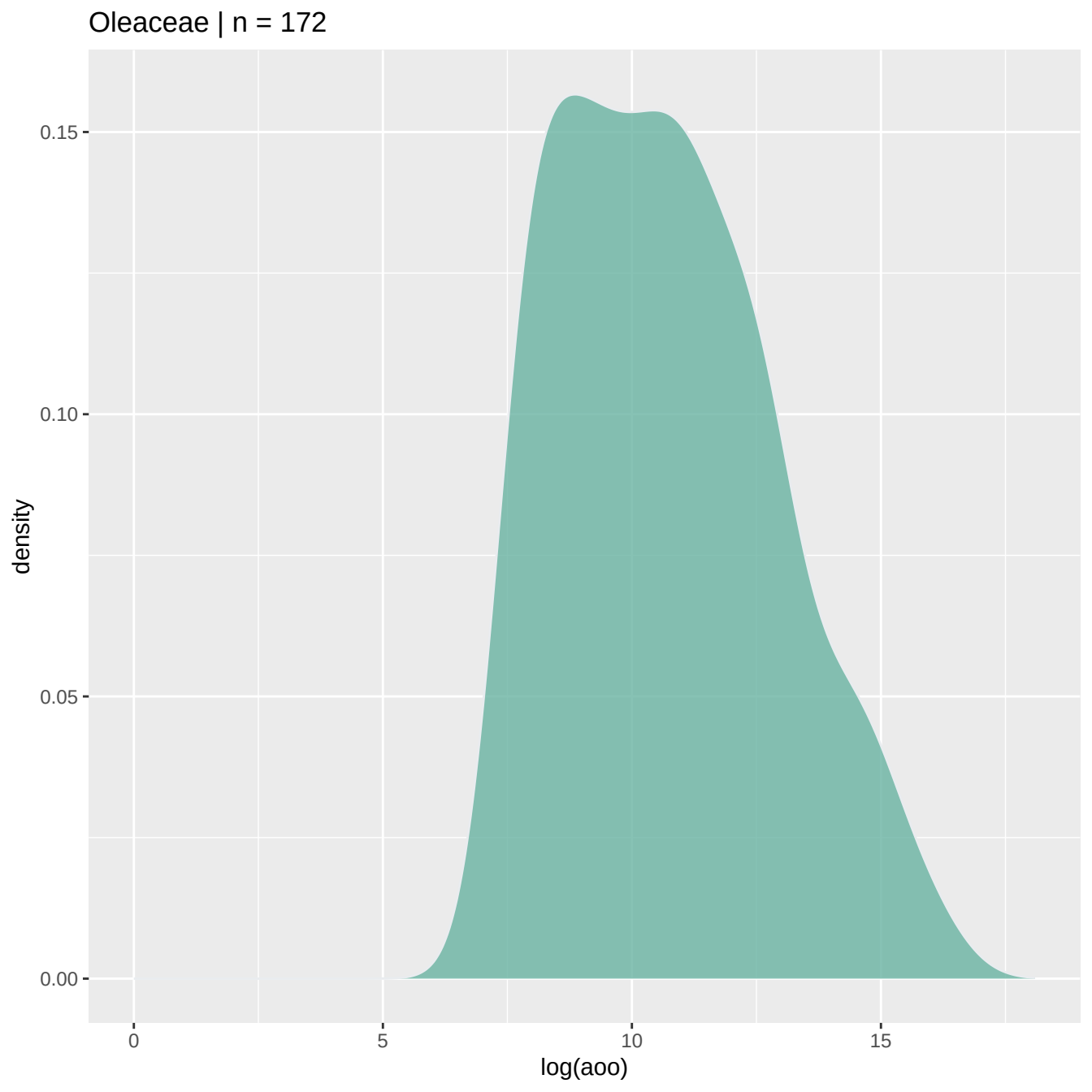
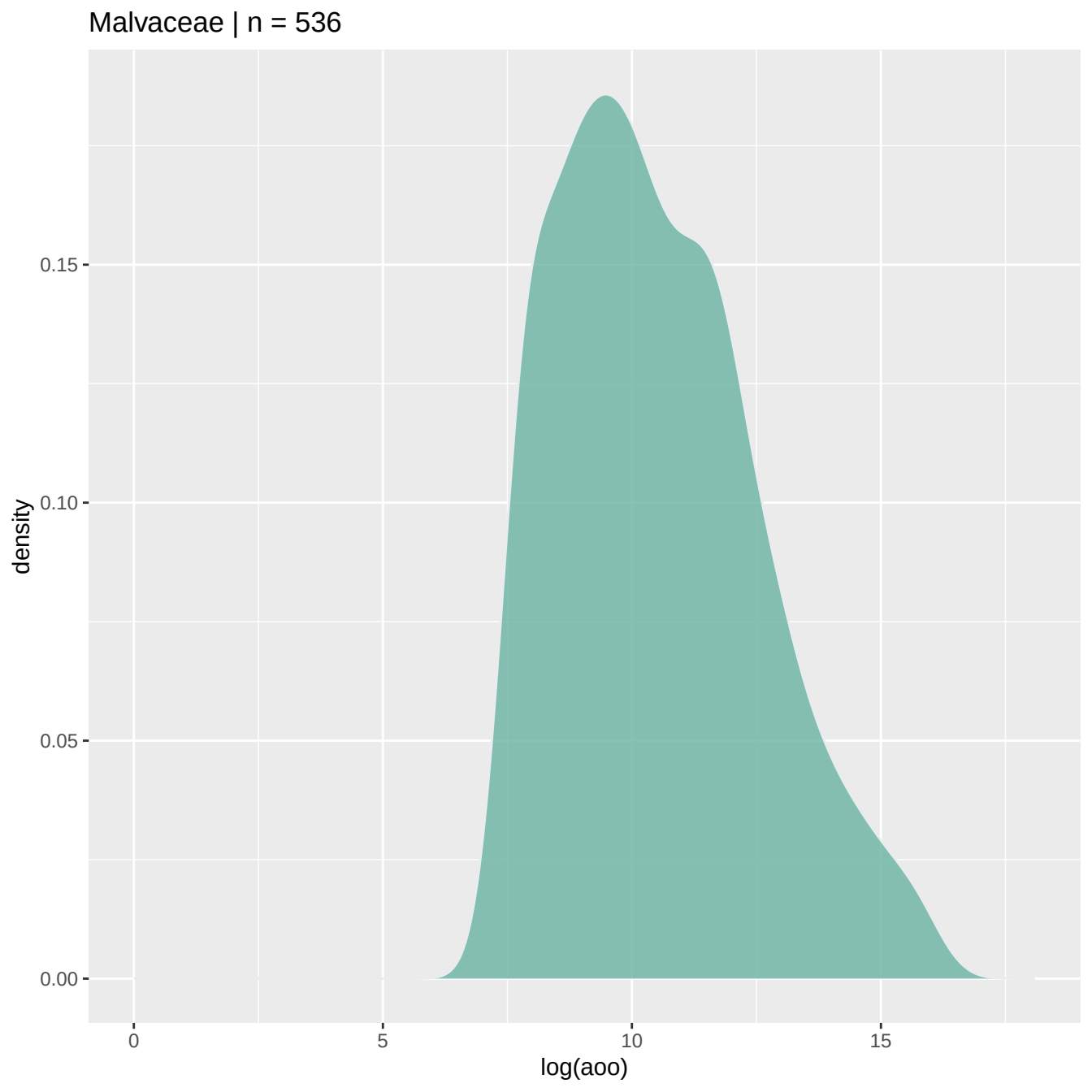
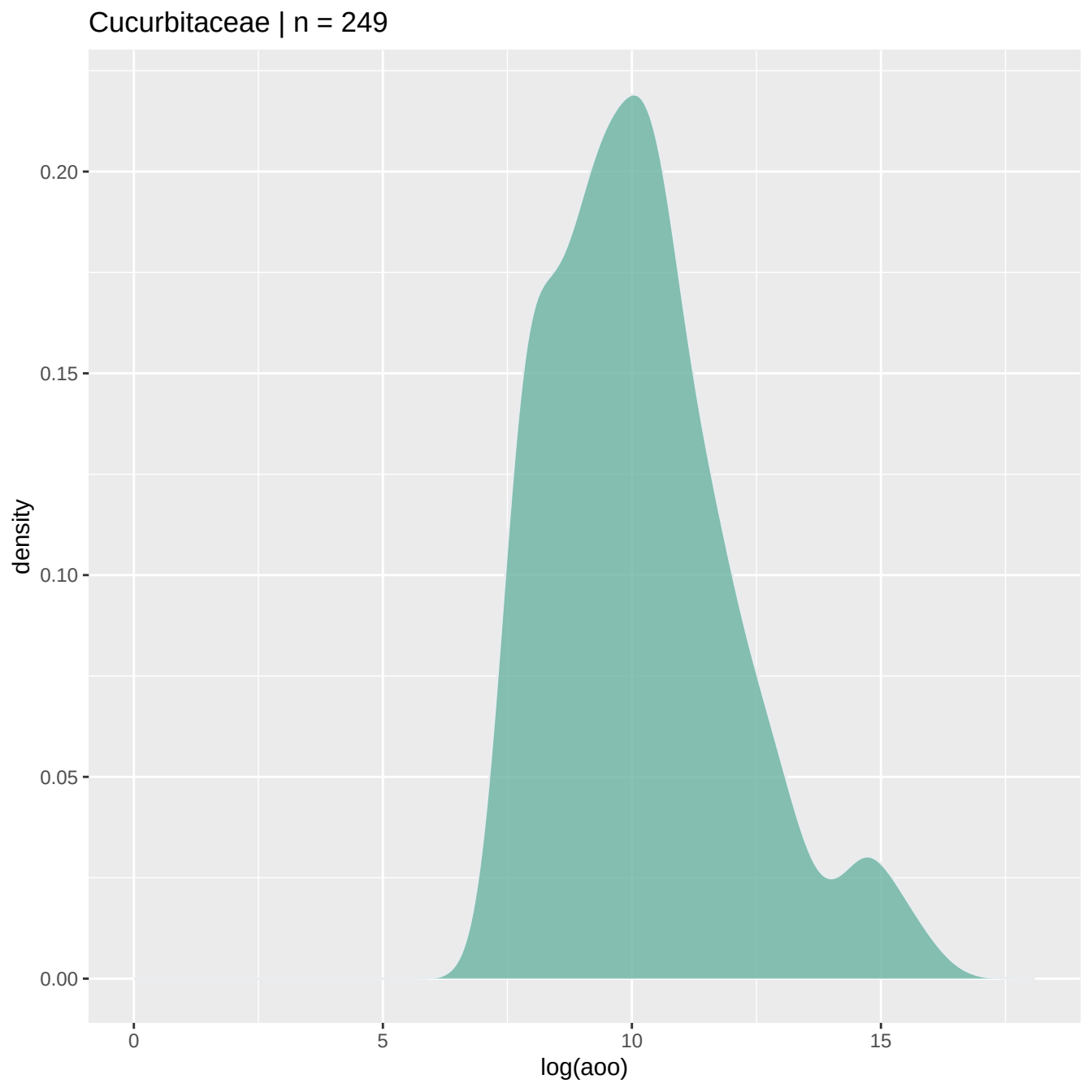

Fabaceae | n = 5642
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

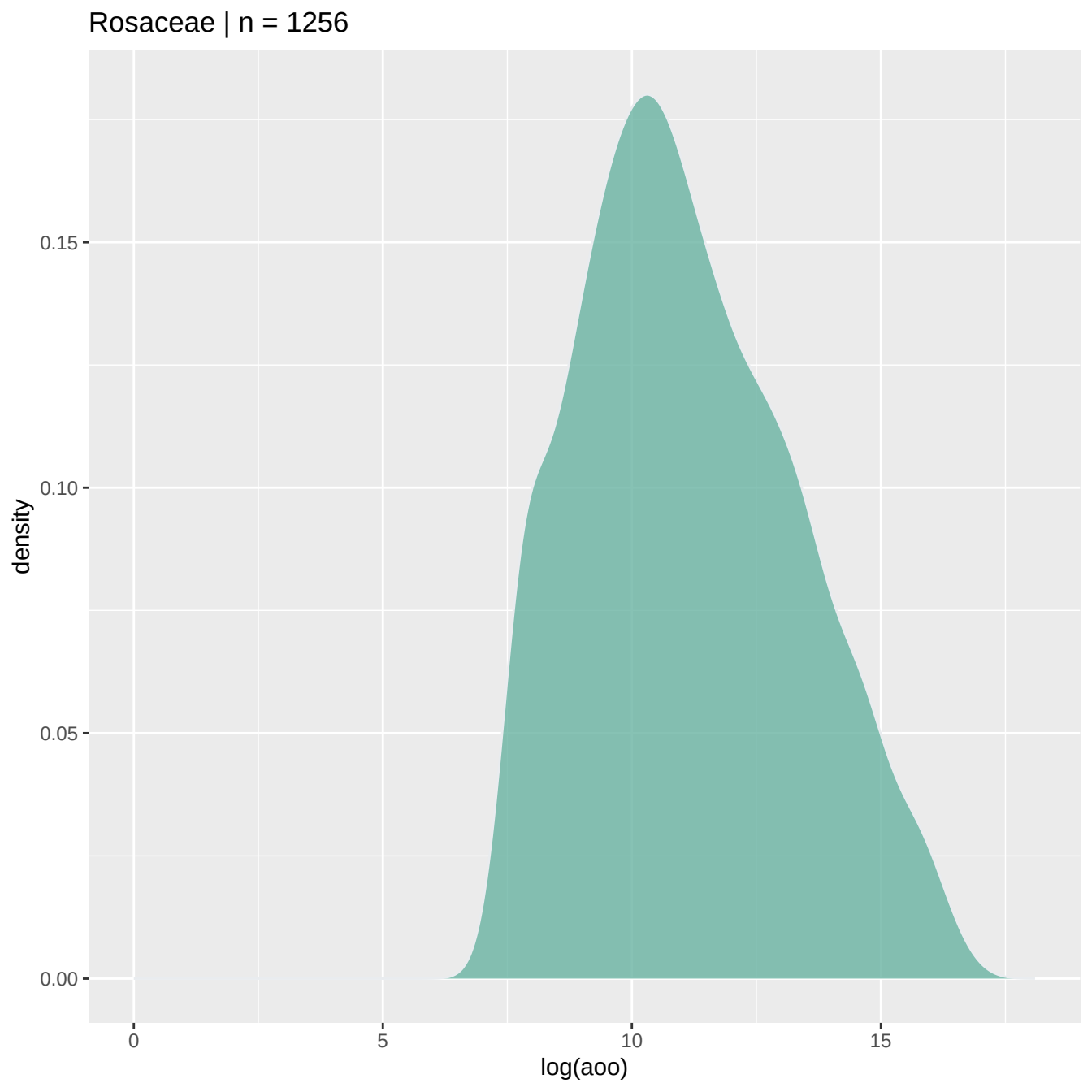

Salicaceae | n = 134
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

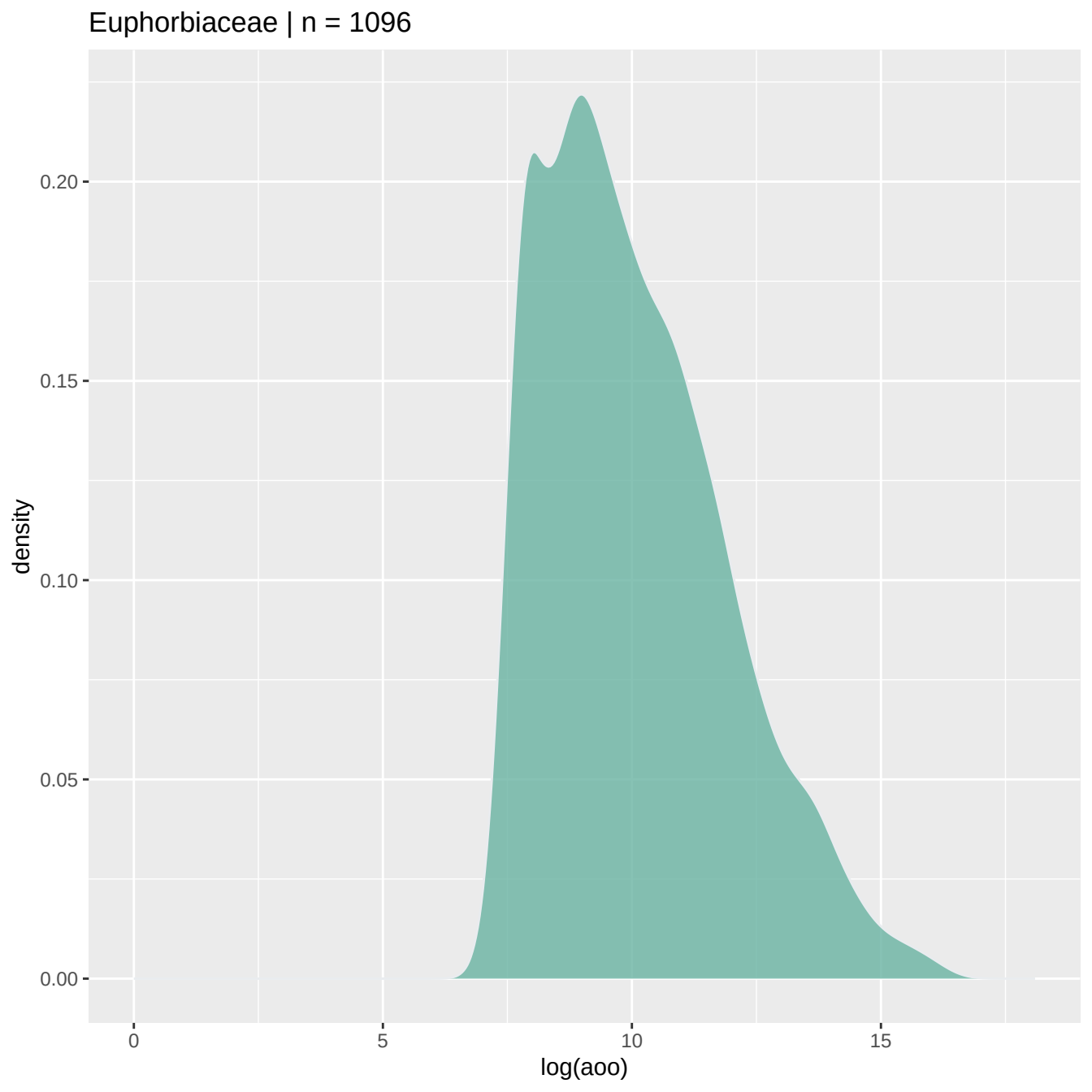

Brassicaceae | n = 1309
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

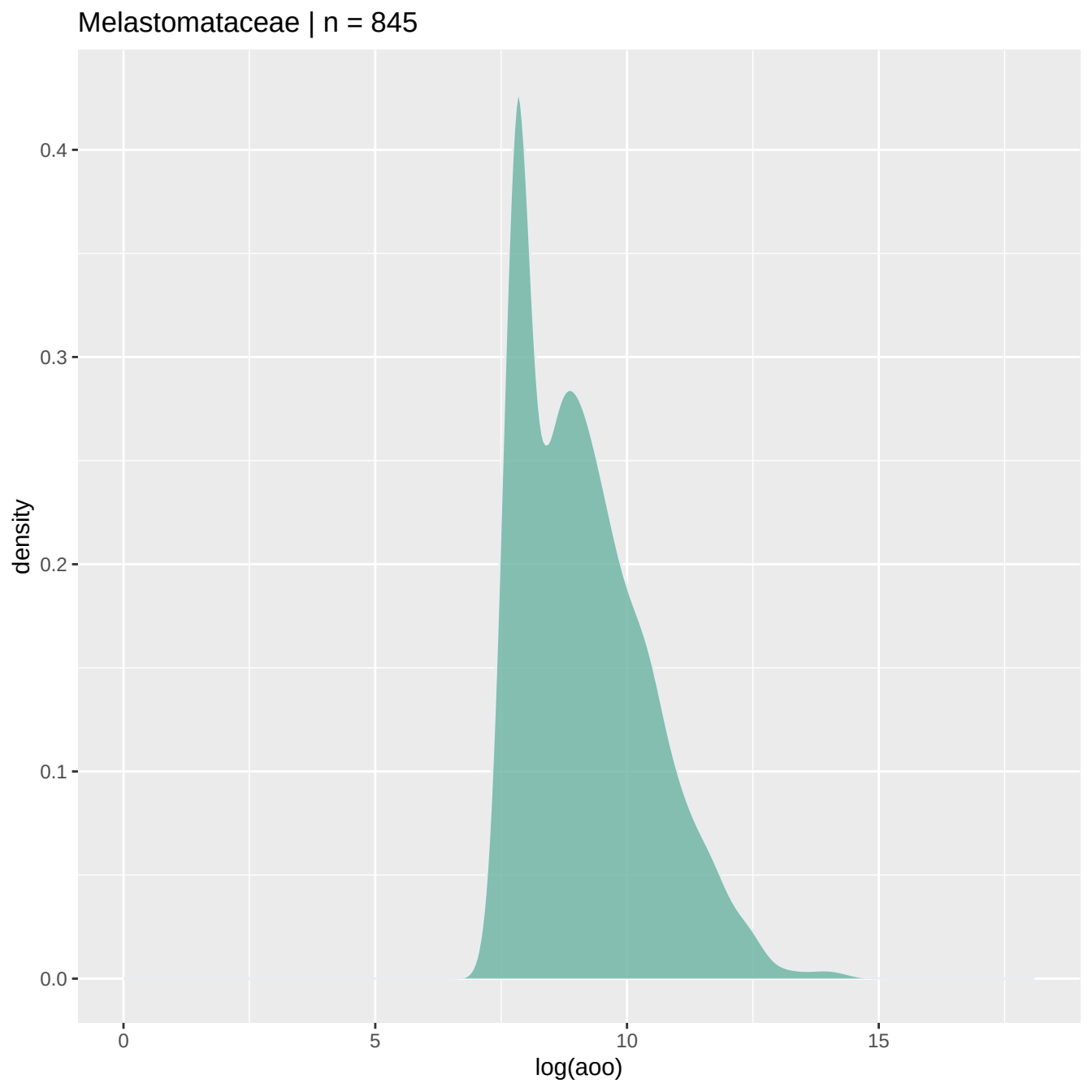

Oleaceae | n = 172
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

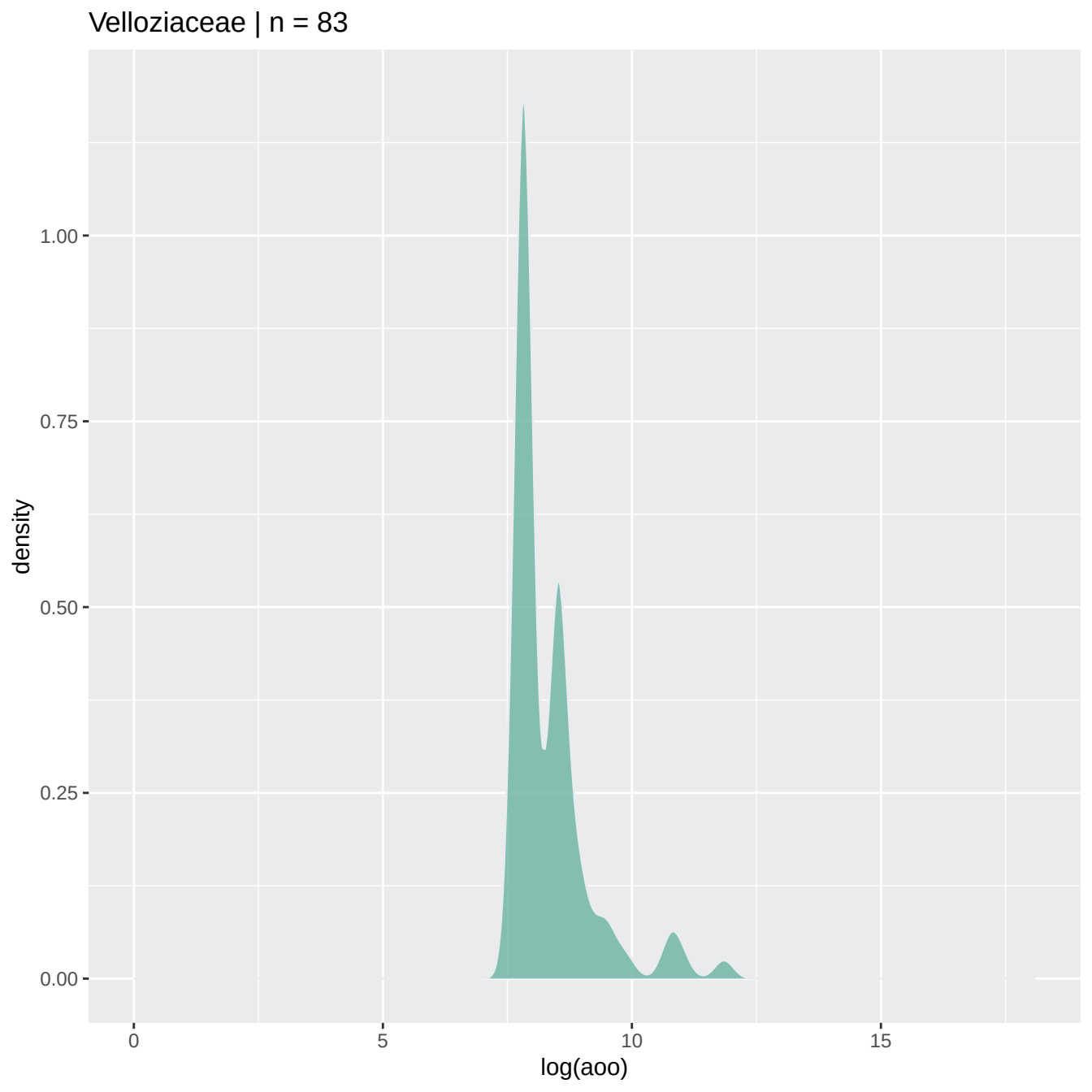

Malvaceae | n = 536
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

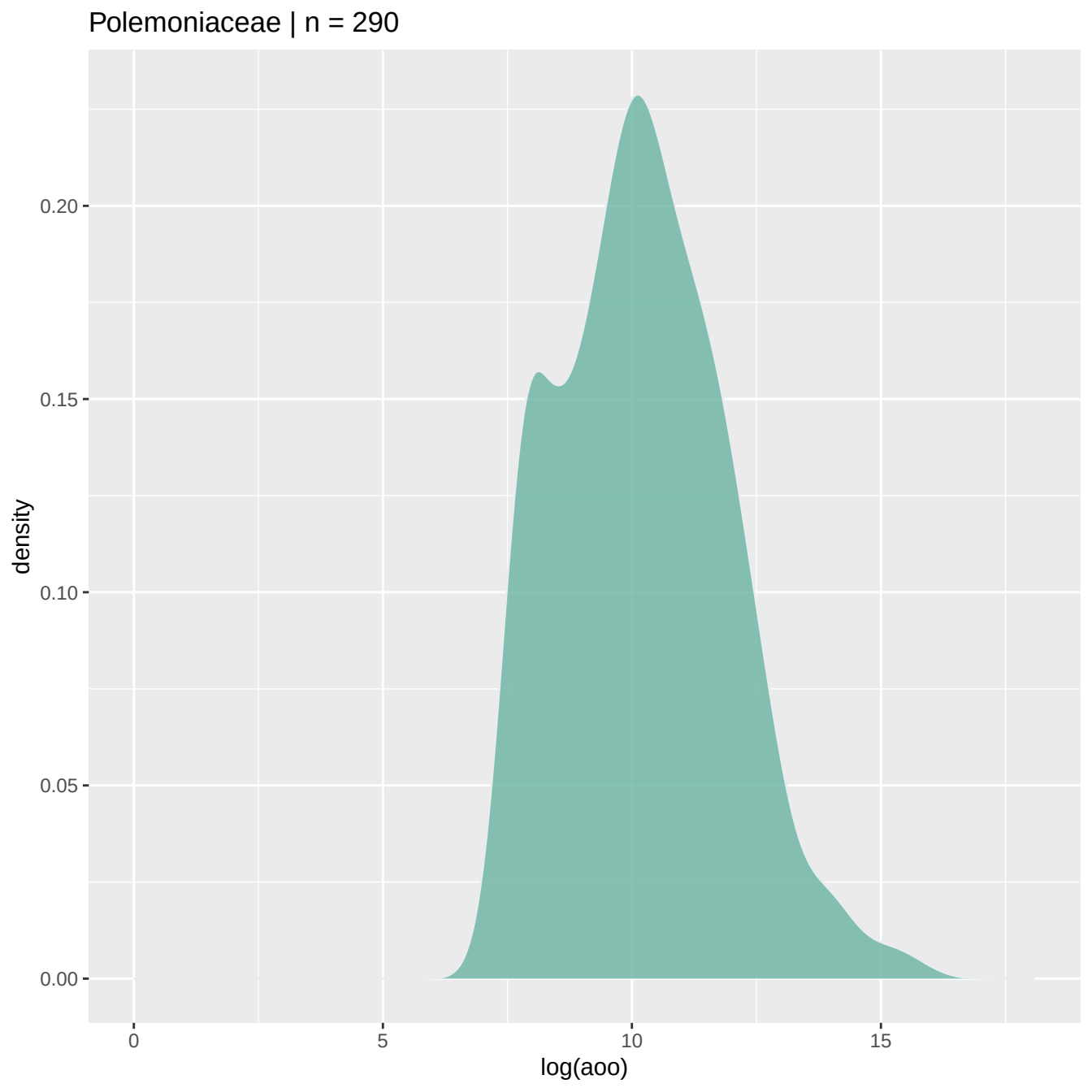

Cucurbitaceae | n = 249
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

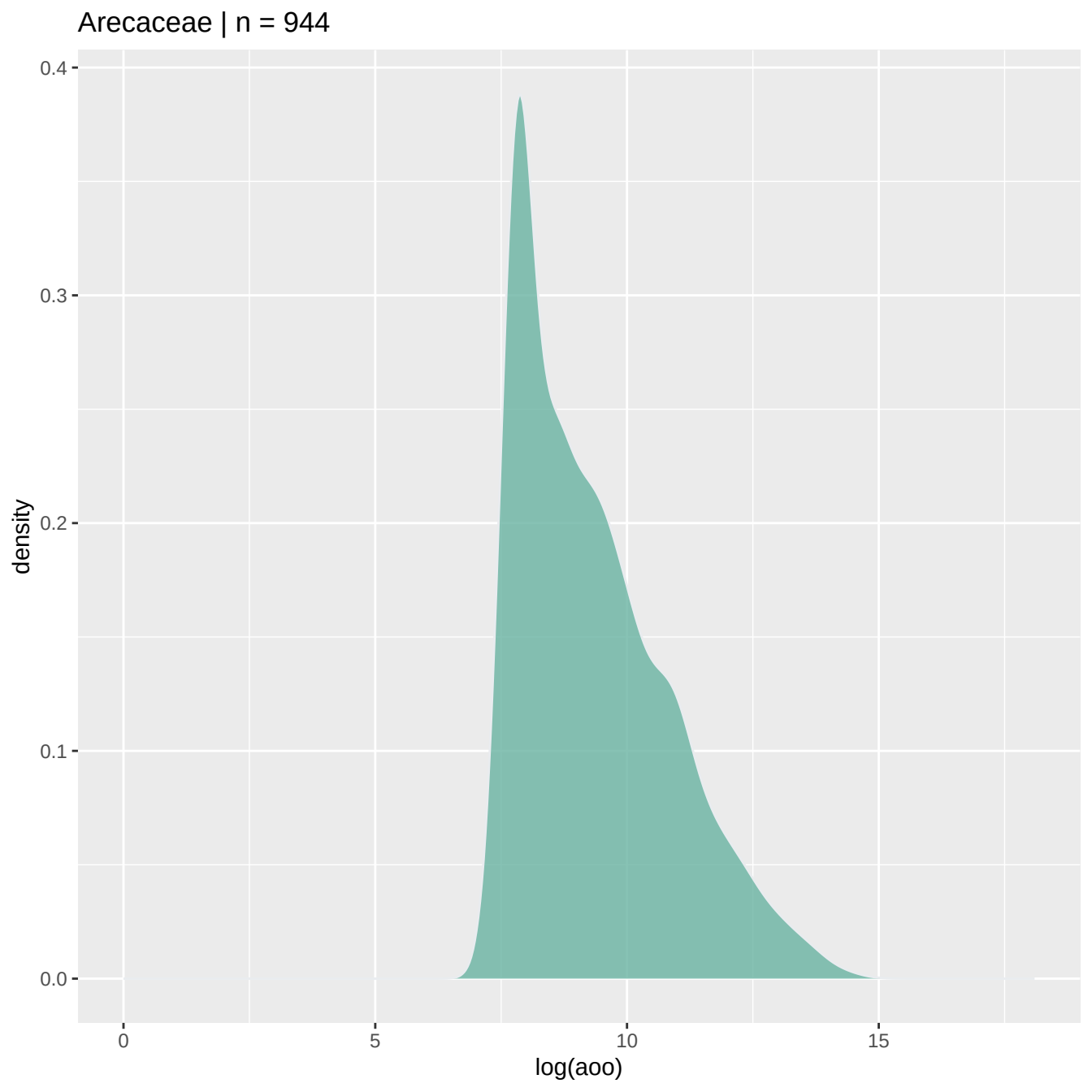

Rosaceae | n = 1256
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

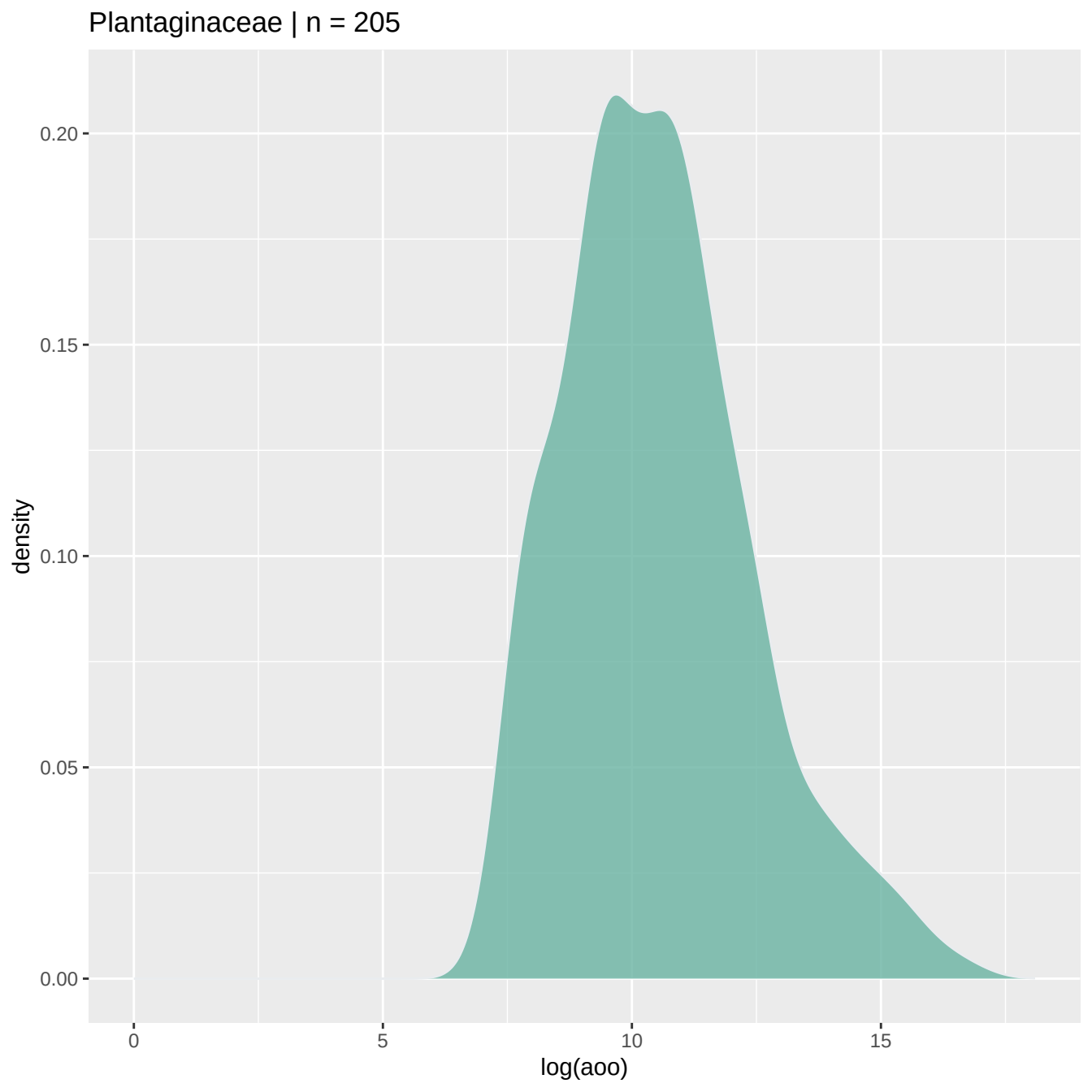

Euphorbiaceae | n = 1096
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

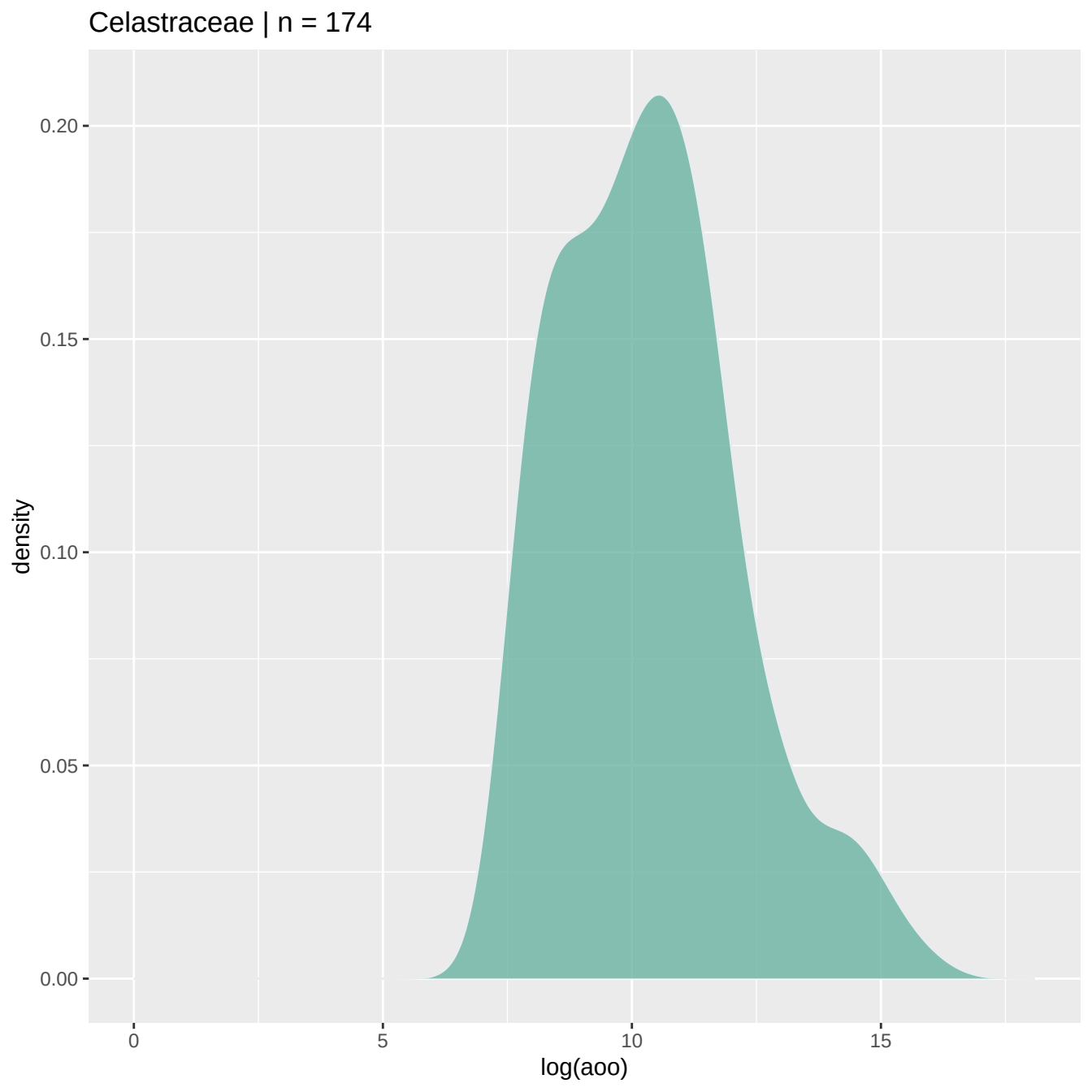

Melastomataceae | n = 845
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)

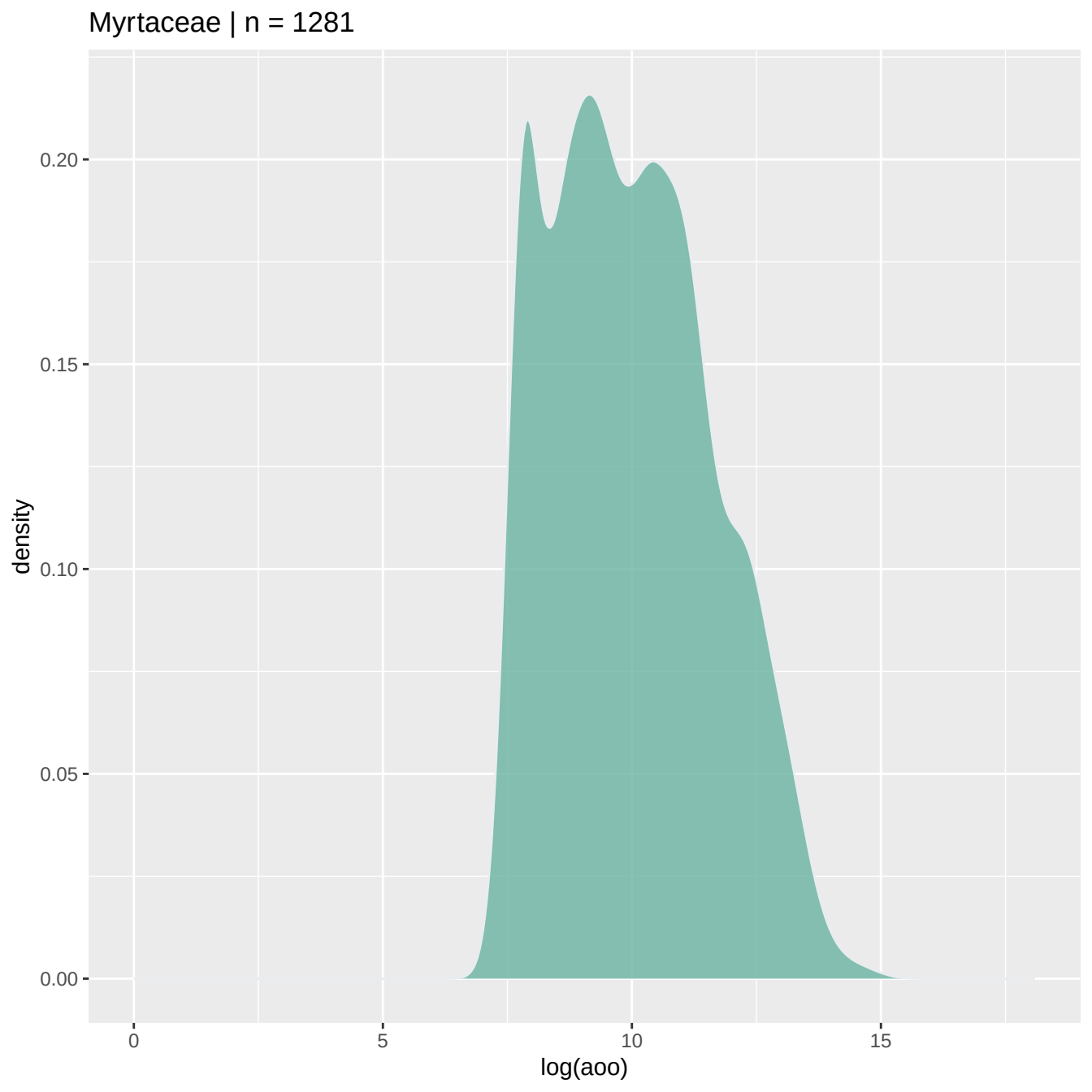

Velloziaceae | n = 83
1.00
0.75
0.50
0.25
0.00
density
0
5
10
15
log(aoo)

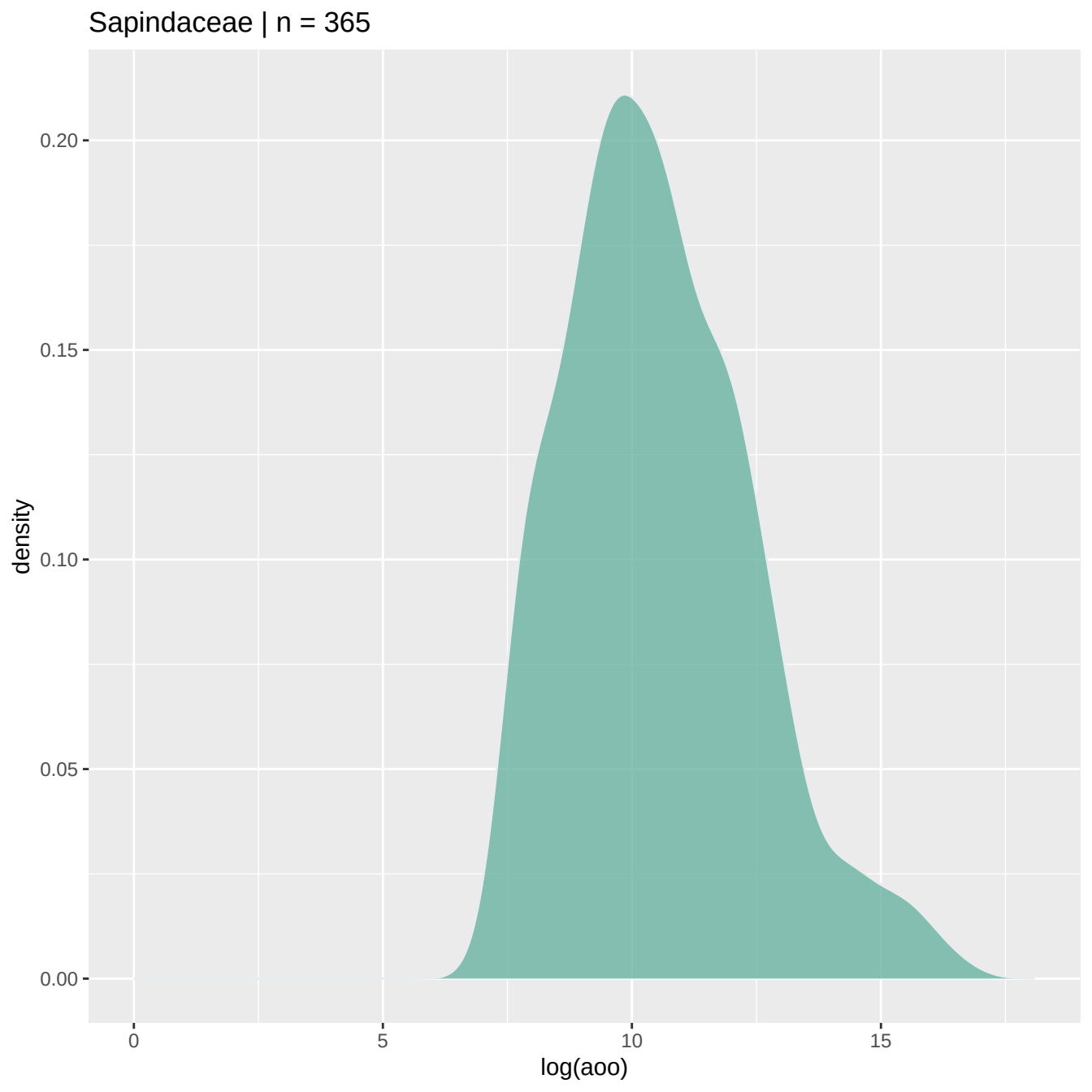

Polemoniaceae | n = 290
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

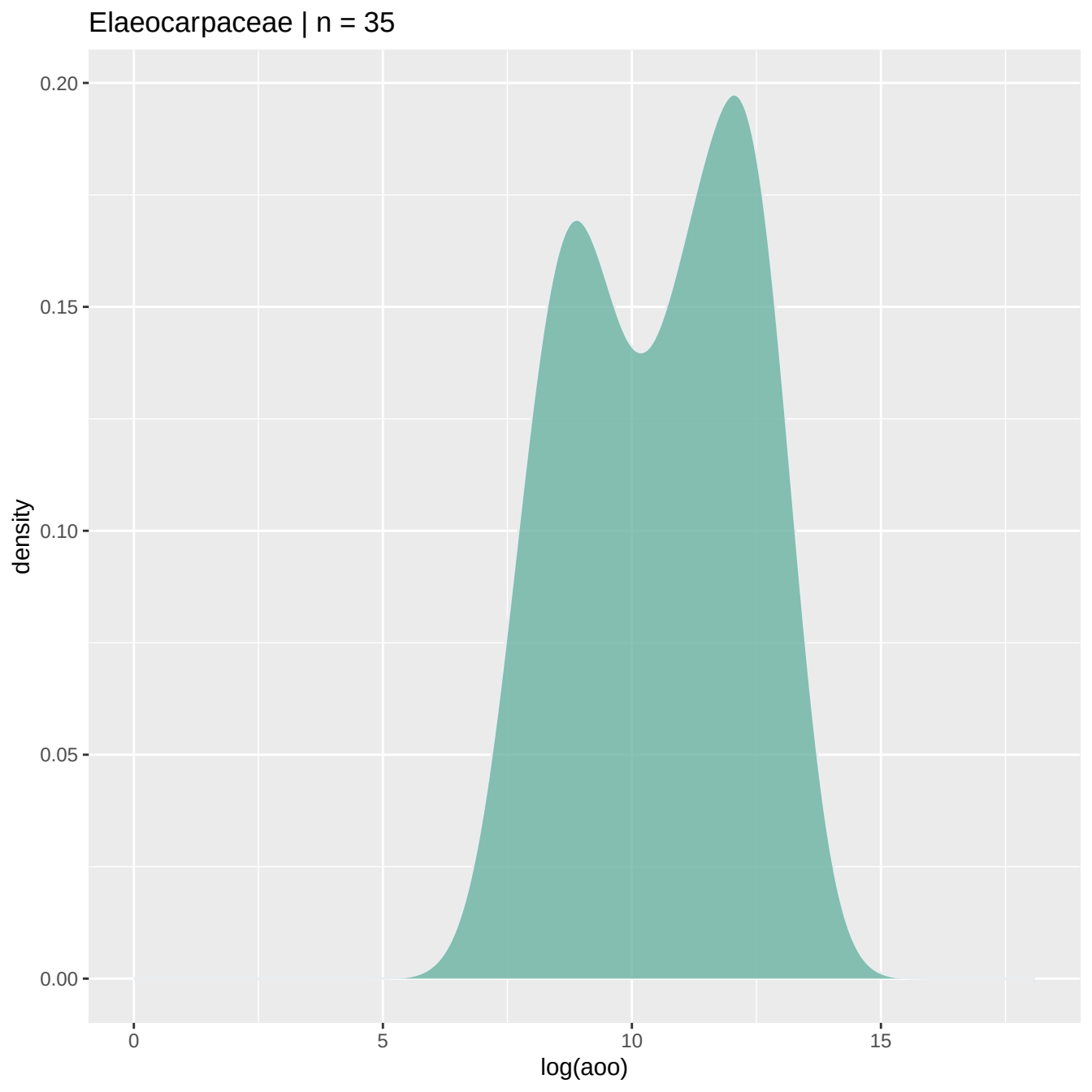

Arecaceae | n = 944
density
0.4
0.3
0.2
0.1
0.0
0
5
10
15
log(aoo)

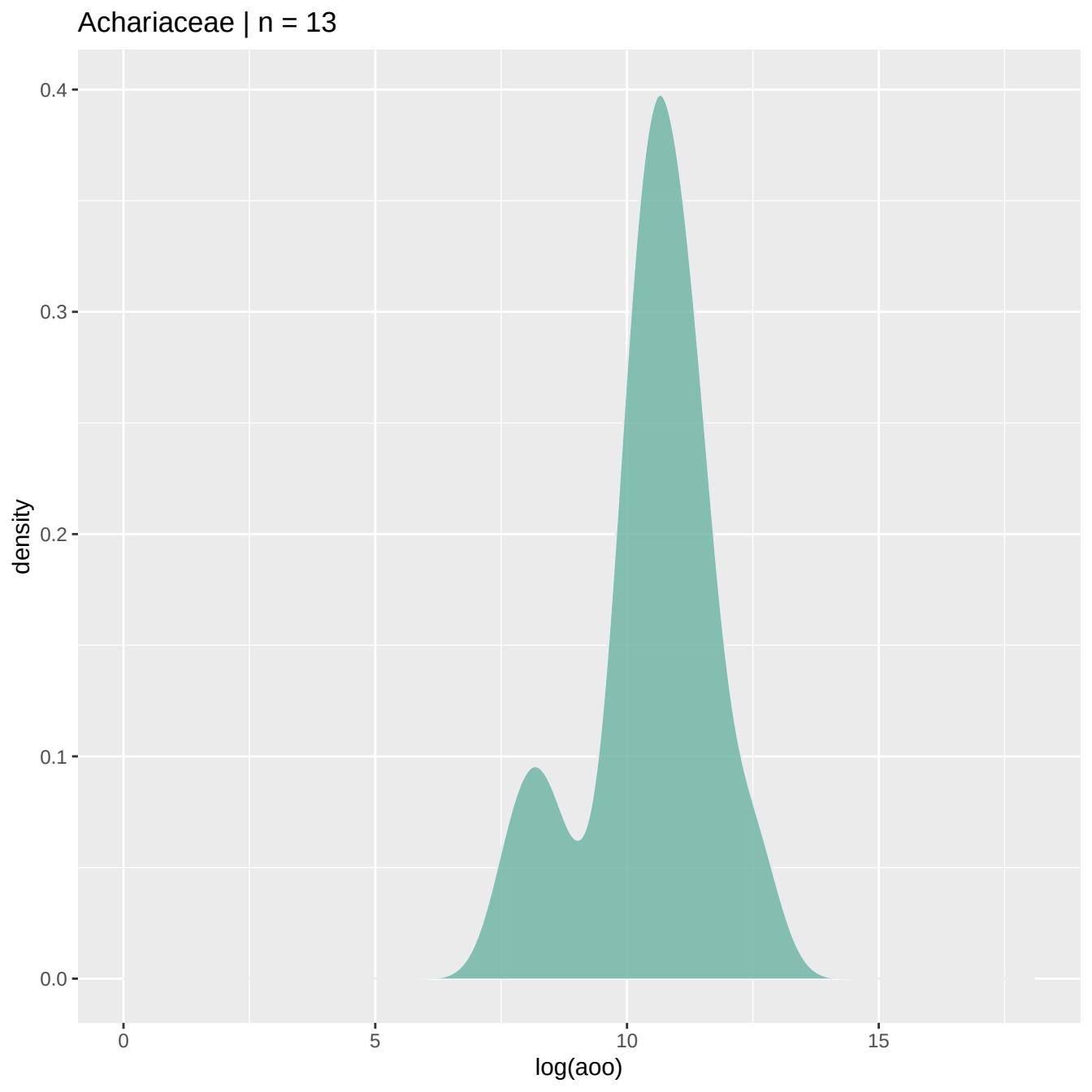

Plantaginaceae | n = 205
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

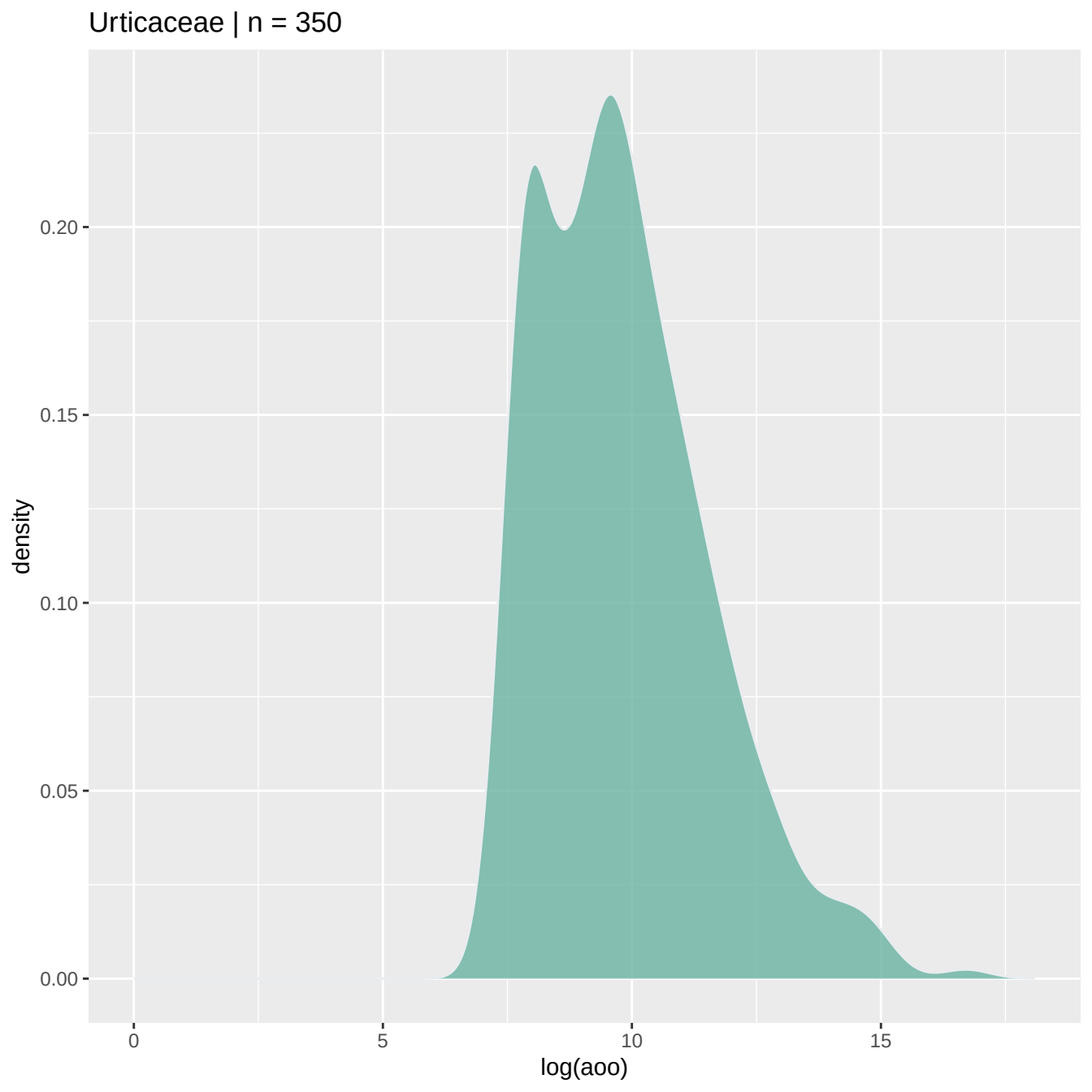

Celastraceae | n = 174
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

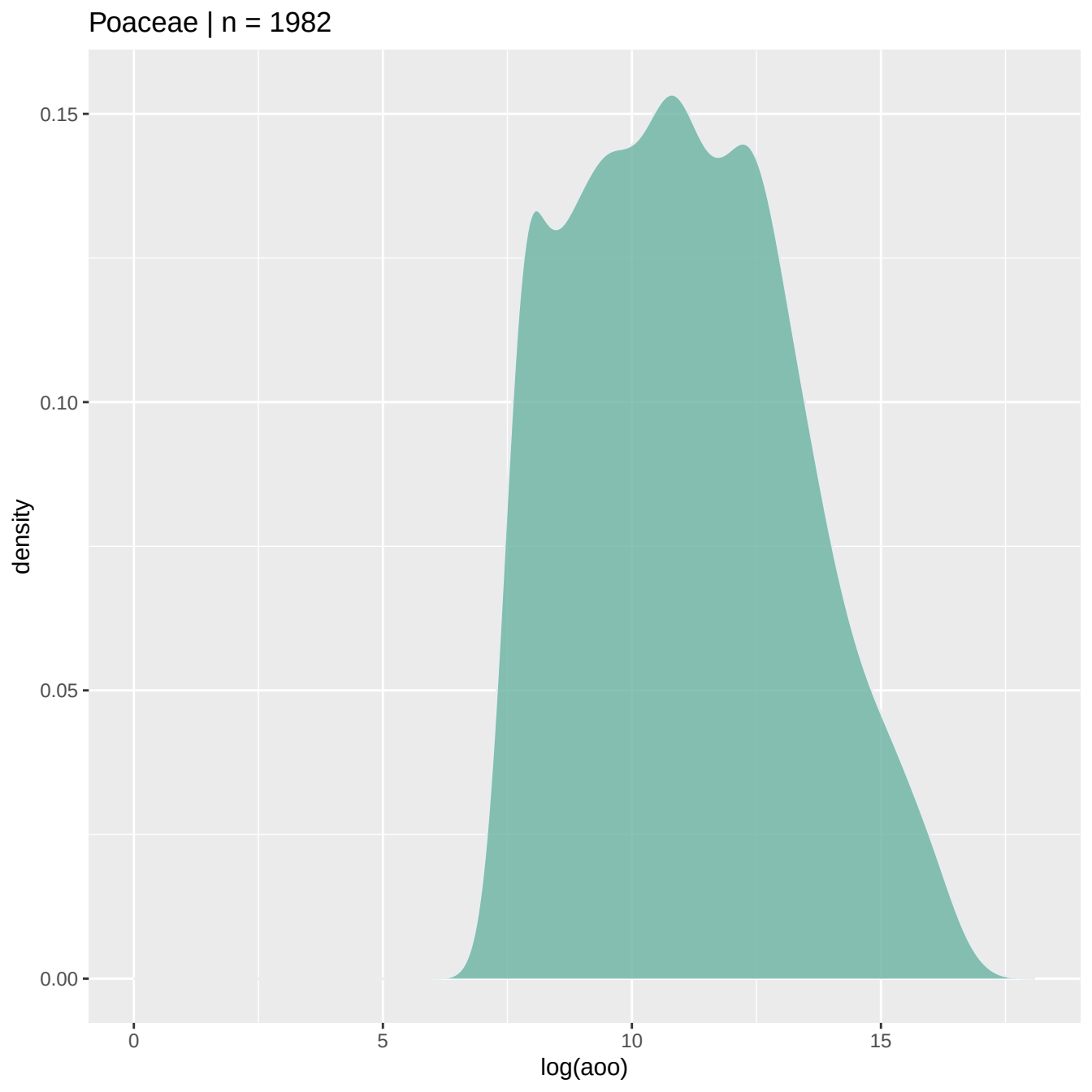

Myrtaceae | n = 1281
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

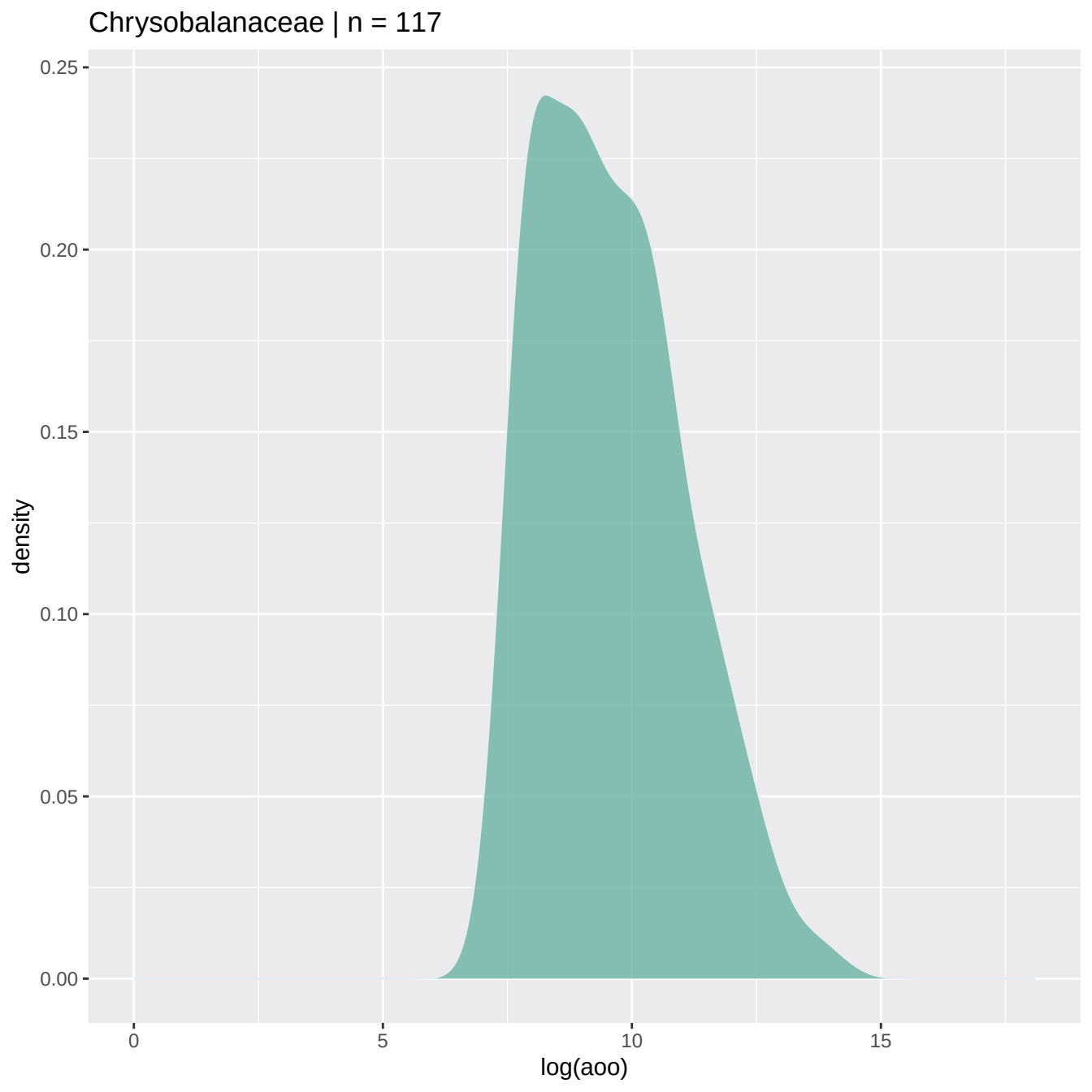

Sapindaceae | n = 365
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

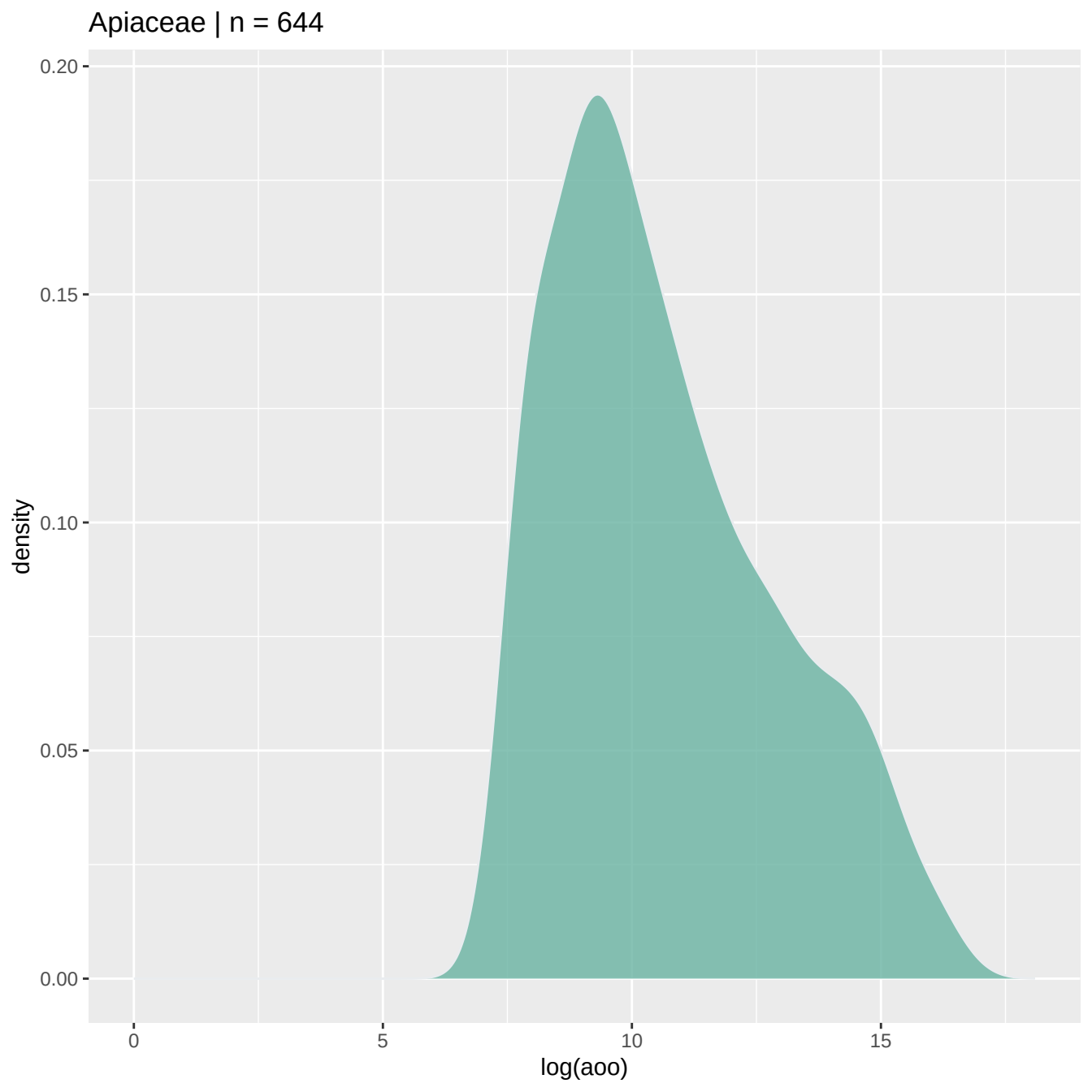

Elaeocarpaceae | n = 35
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

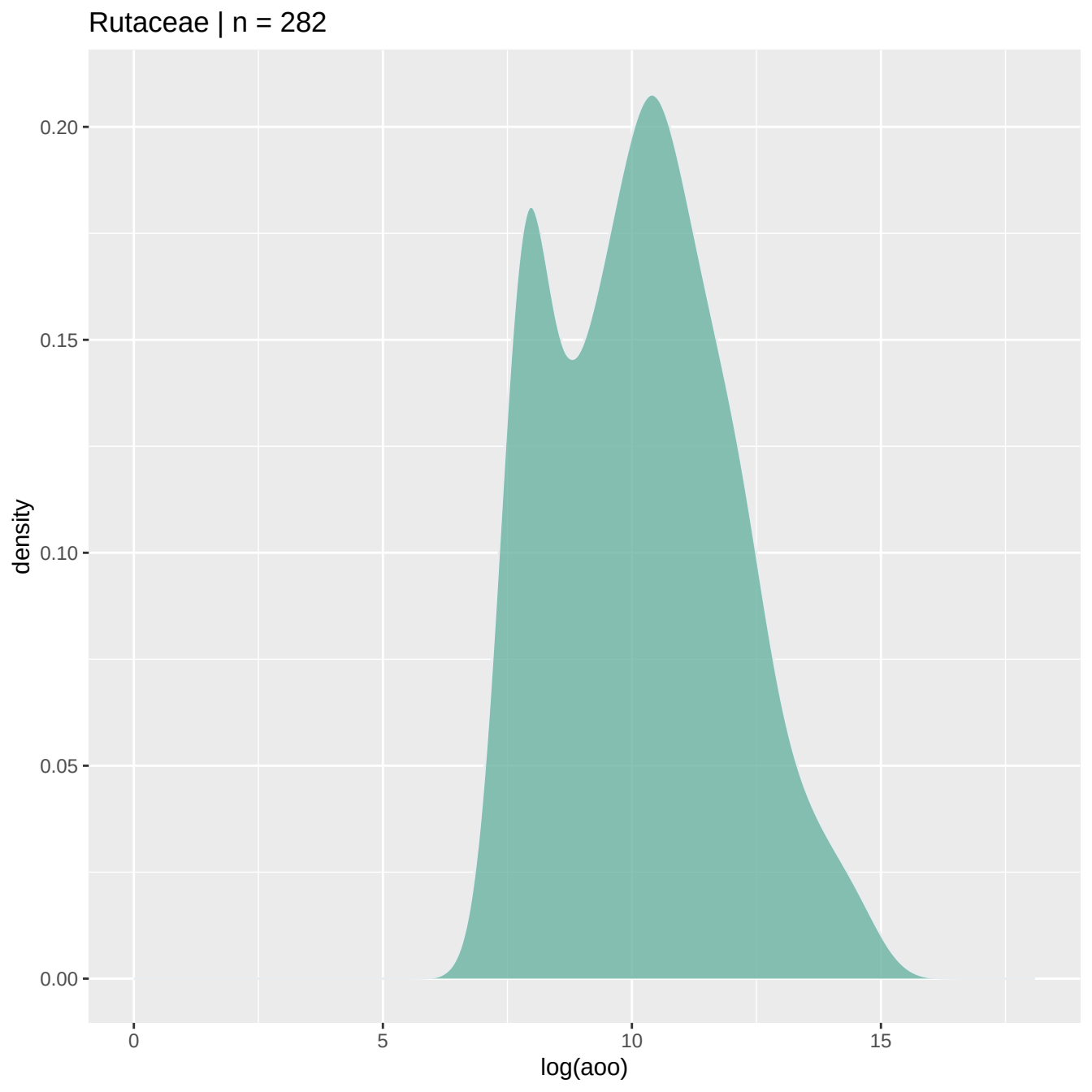

Achariaceae | n = 13
density
0.4
0.3
0.2
0.1
0.0
0
5
10
15
log(aoo)

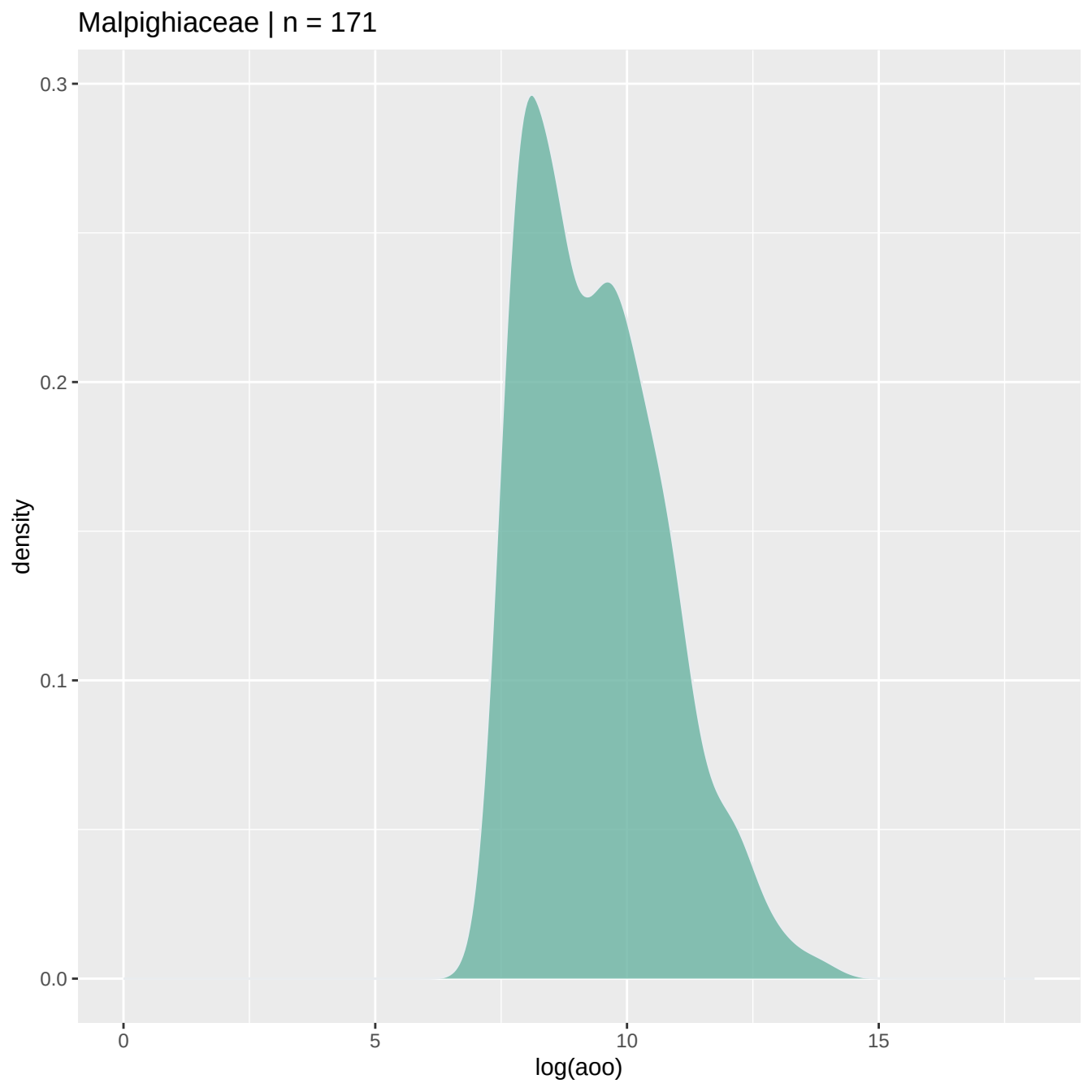

Urticaceae | n = 350
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

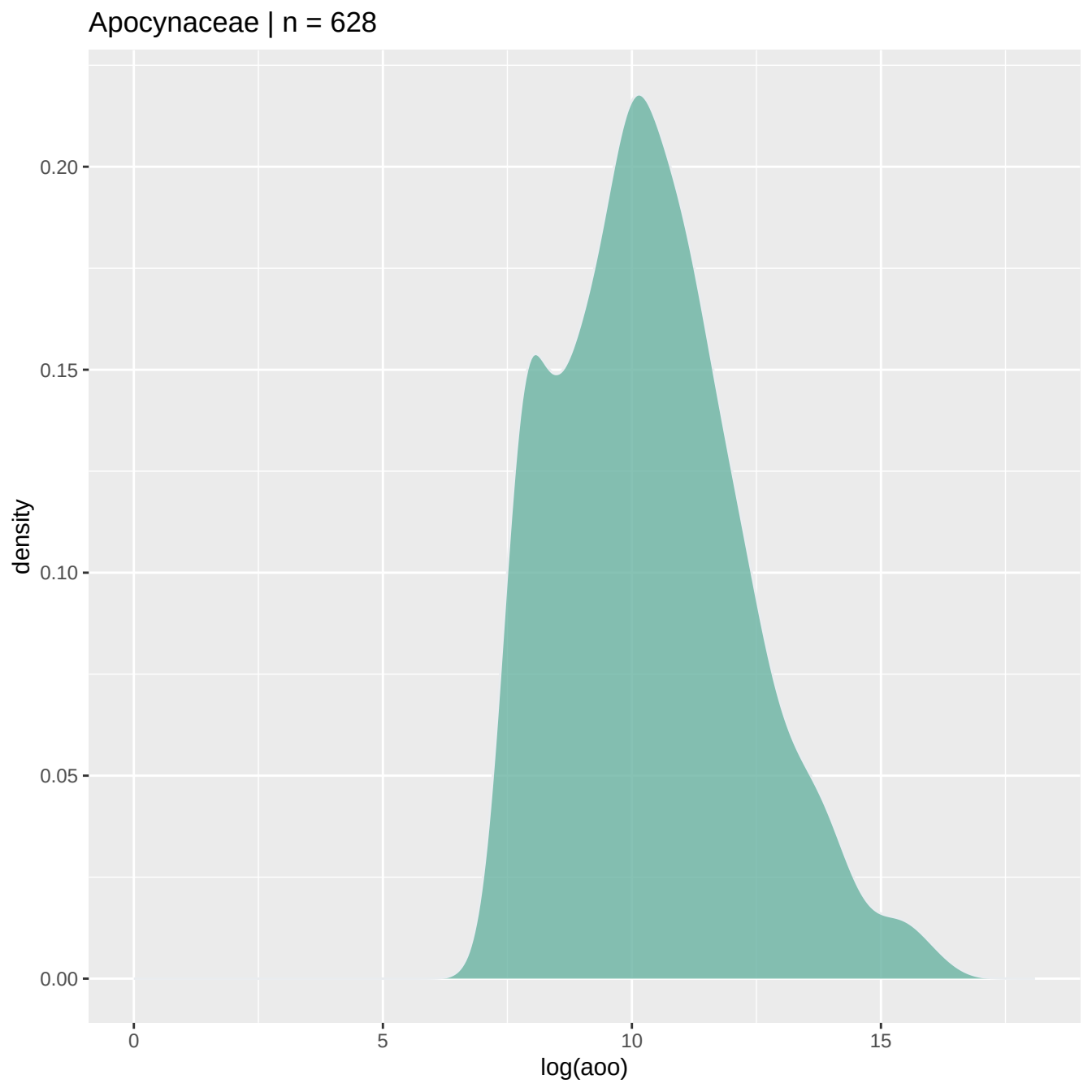

Poaceae | n = 1982
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

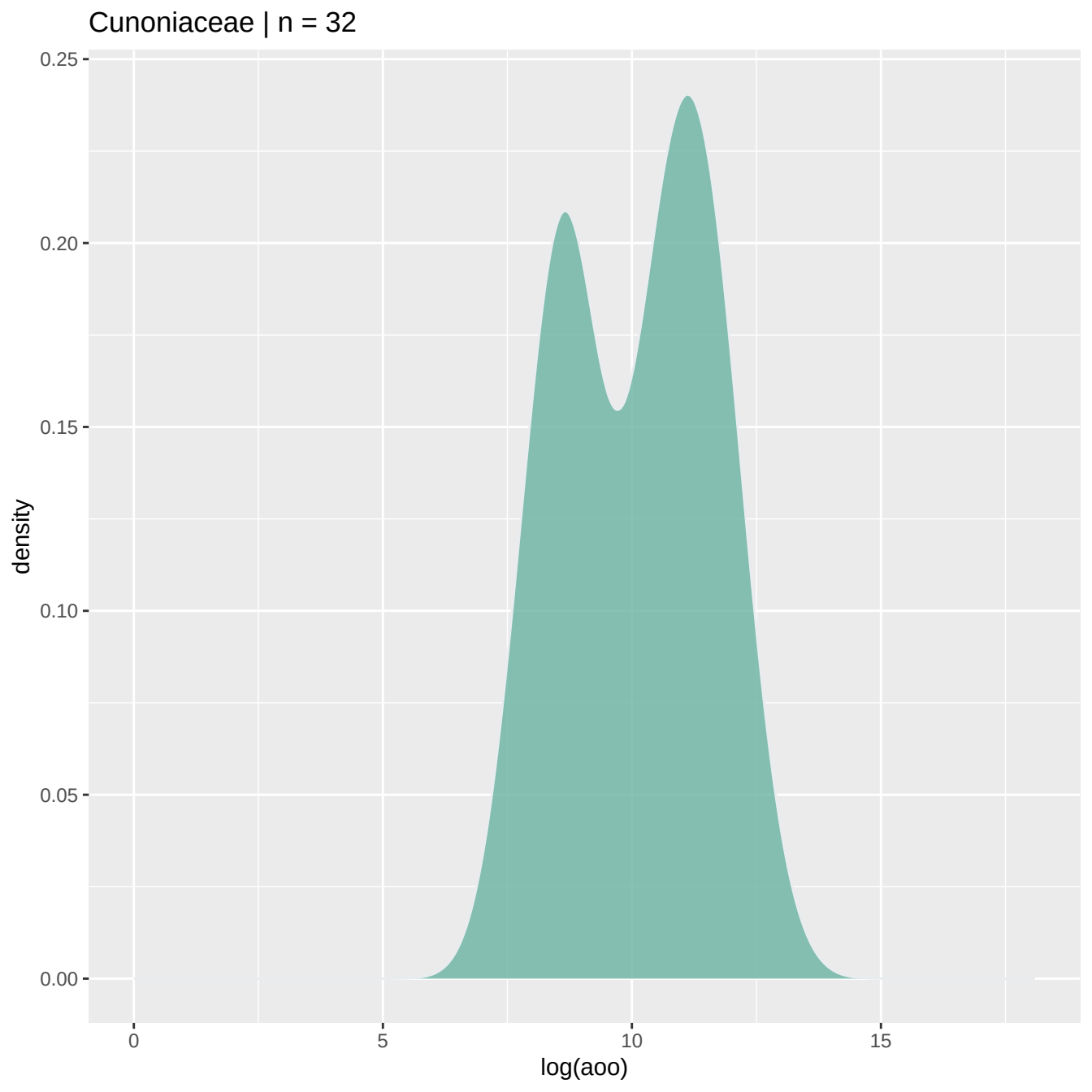

Chrysobalanaceae | n = 117
0.25
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

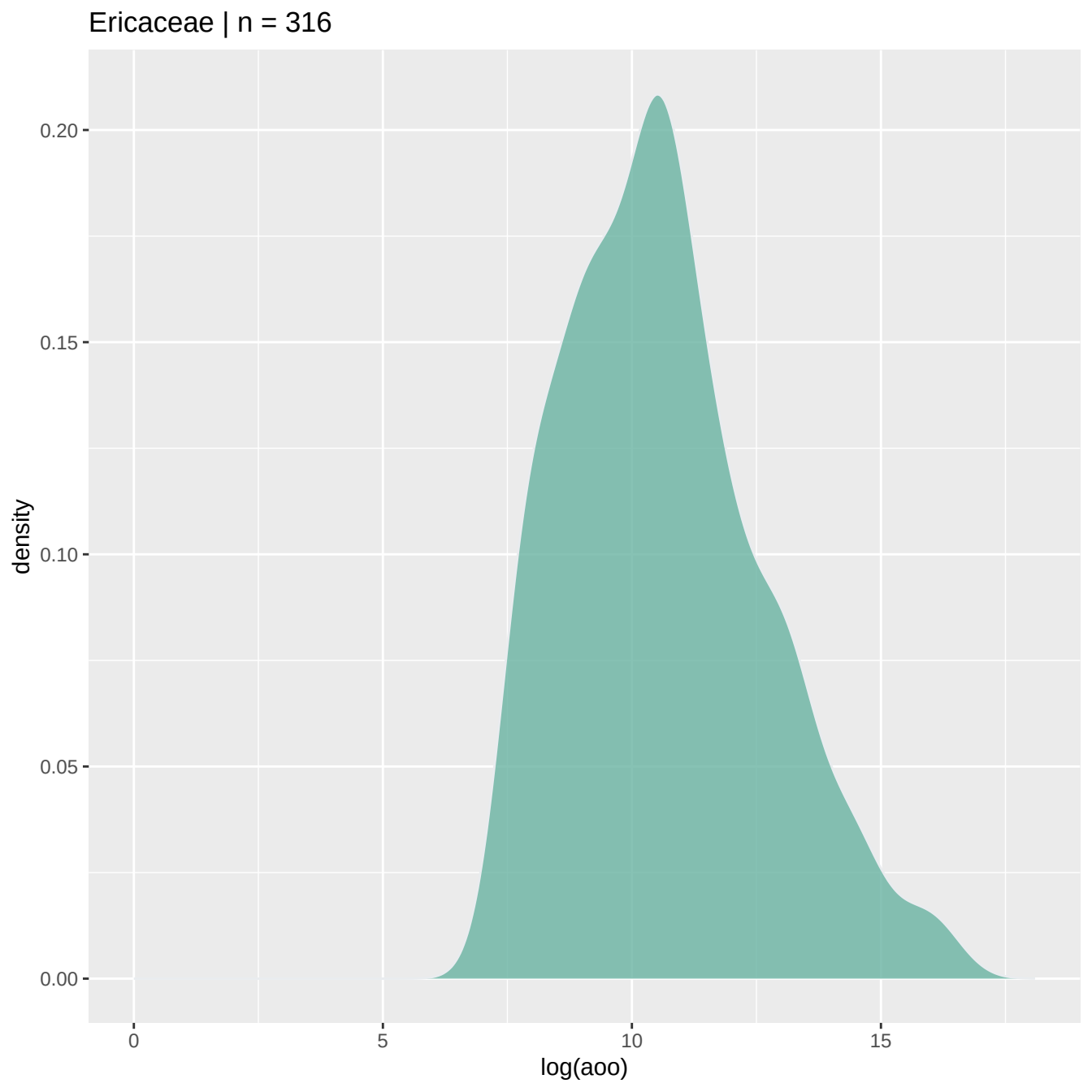

Apiaceae | n = 644
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

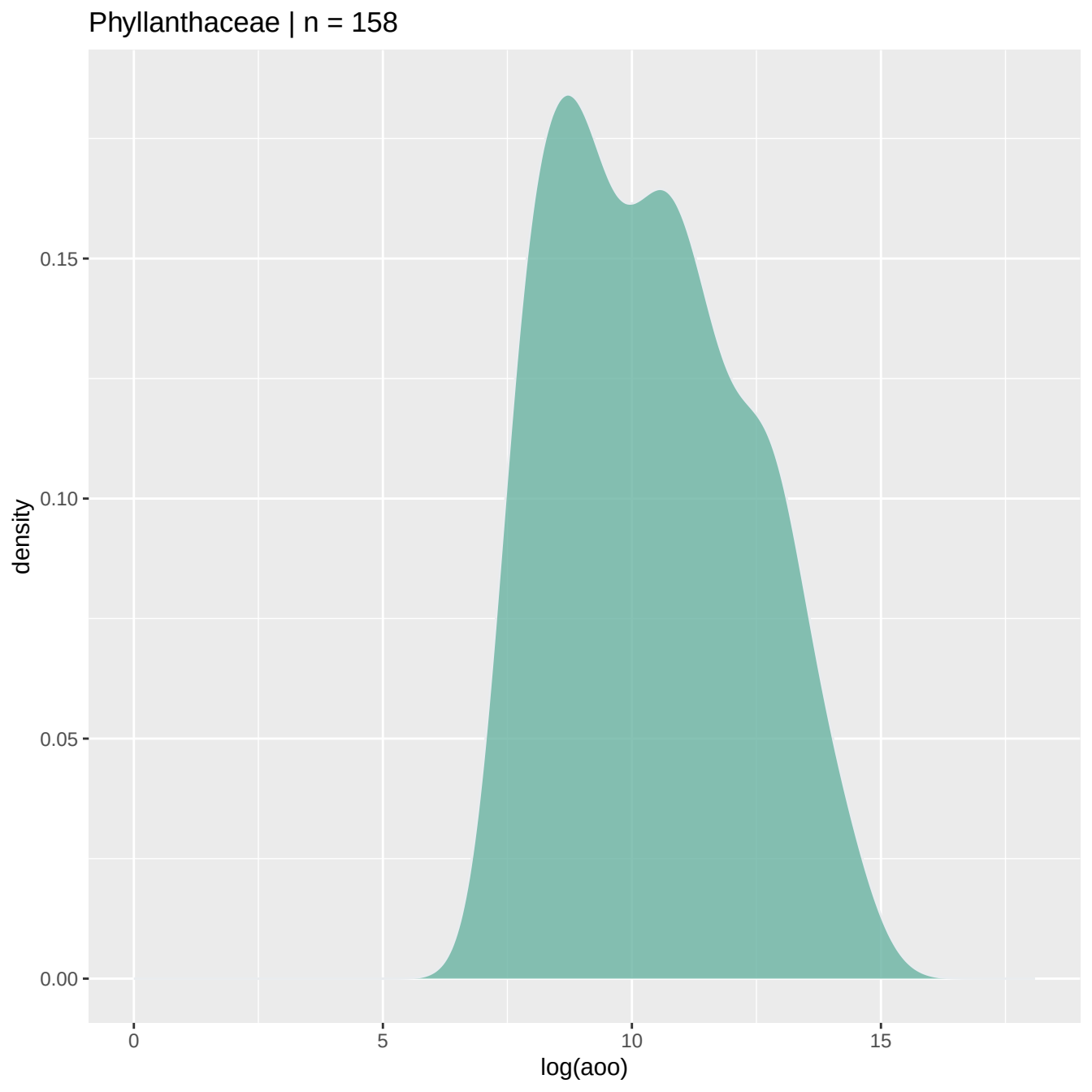

Rutaceae | n = 282
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

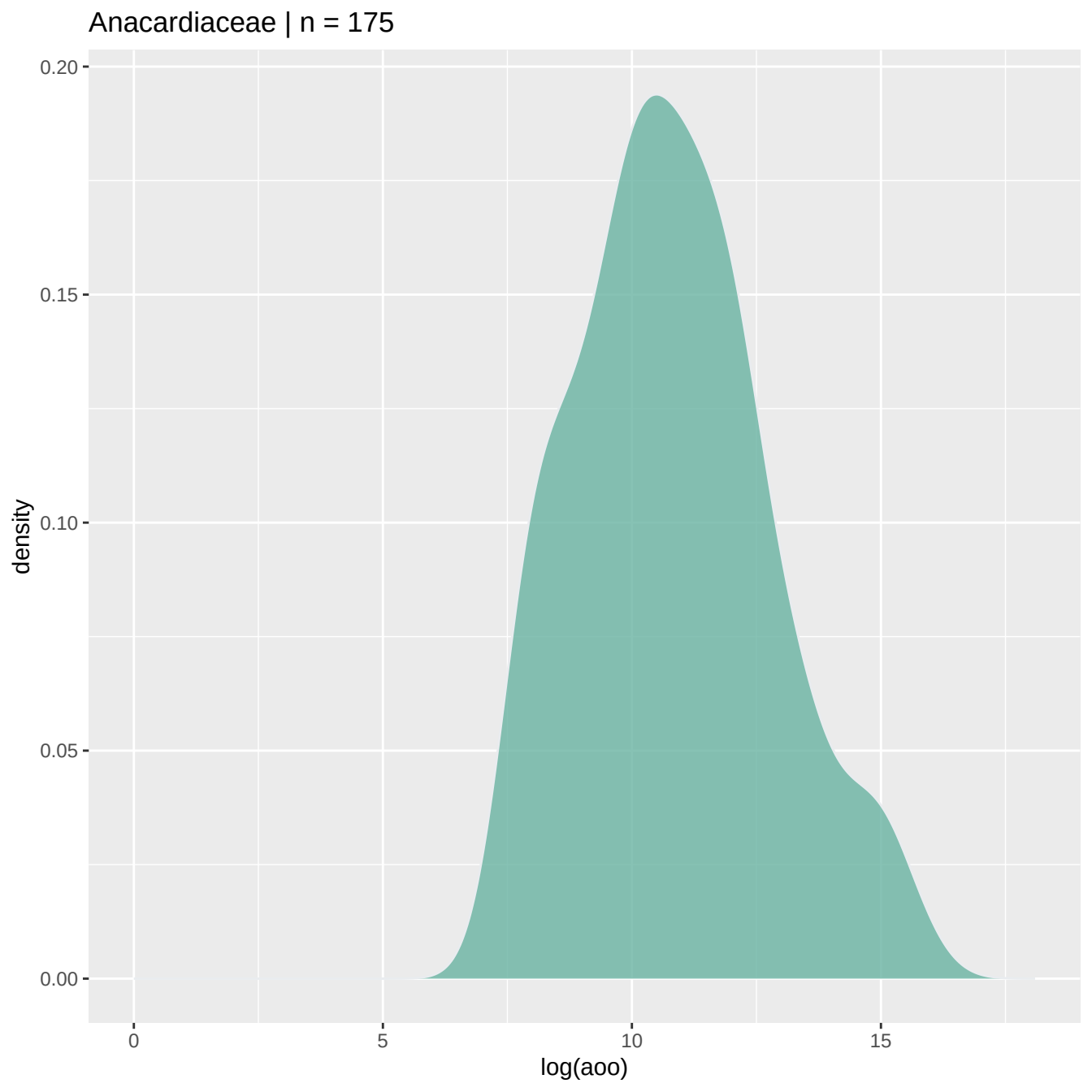

Malpighiaceae | n = 171
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

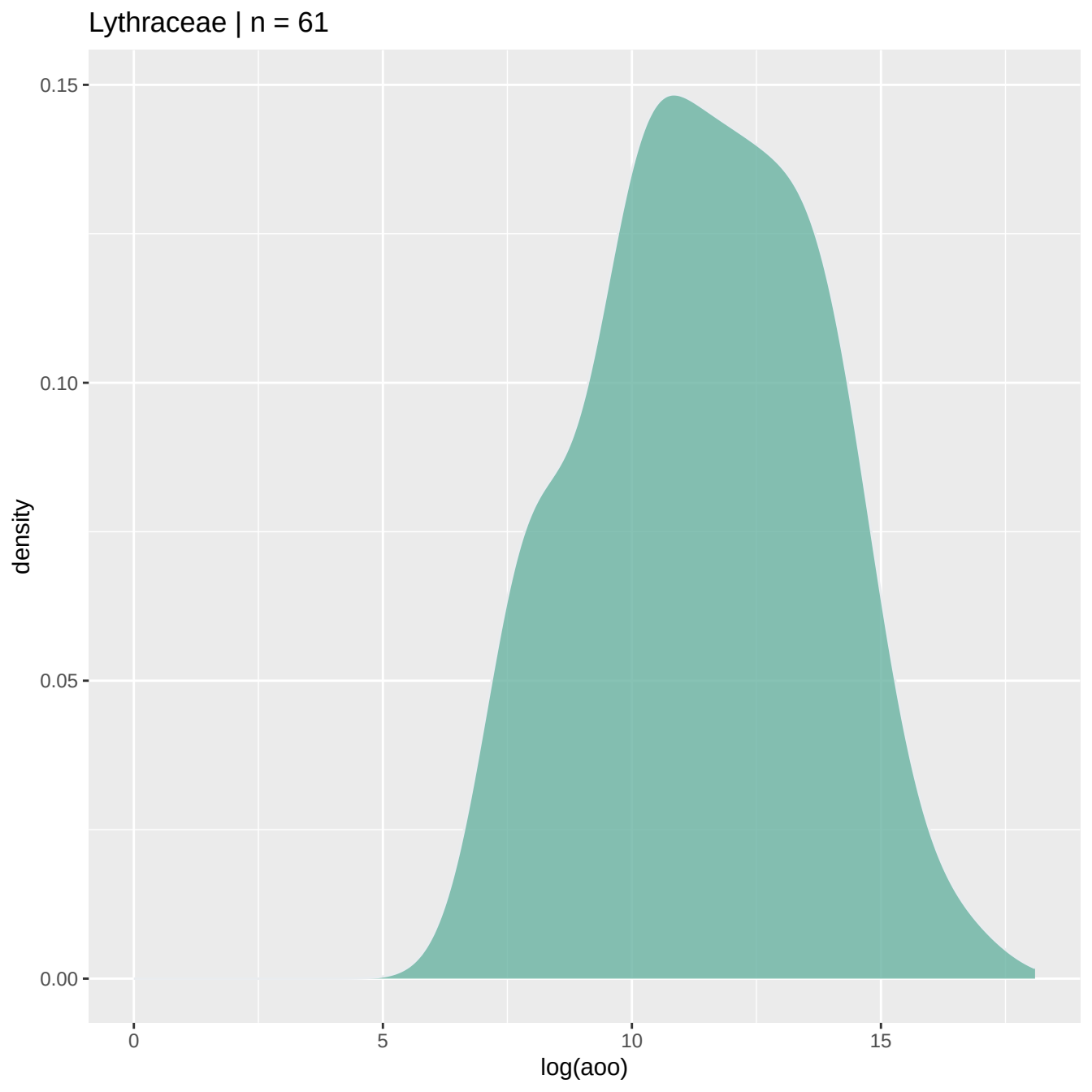

Apocynaceae | n = 628
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

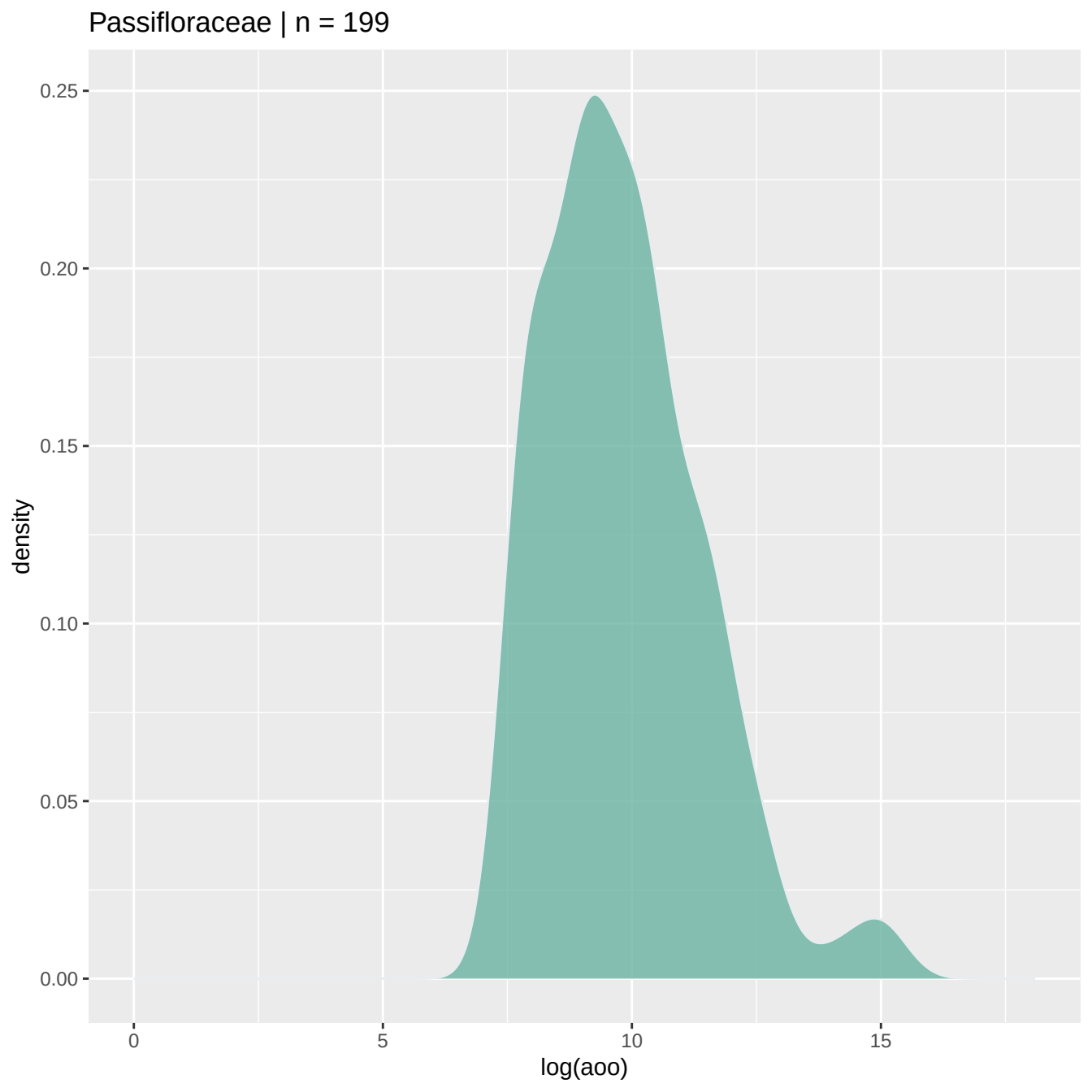

Cunoniaceae | n = 32
0.25
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

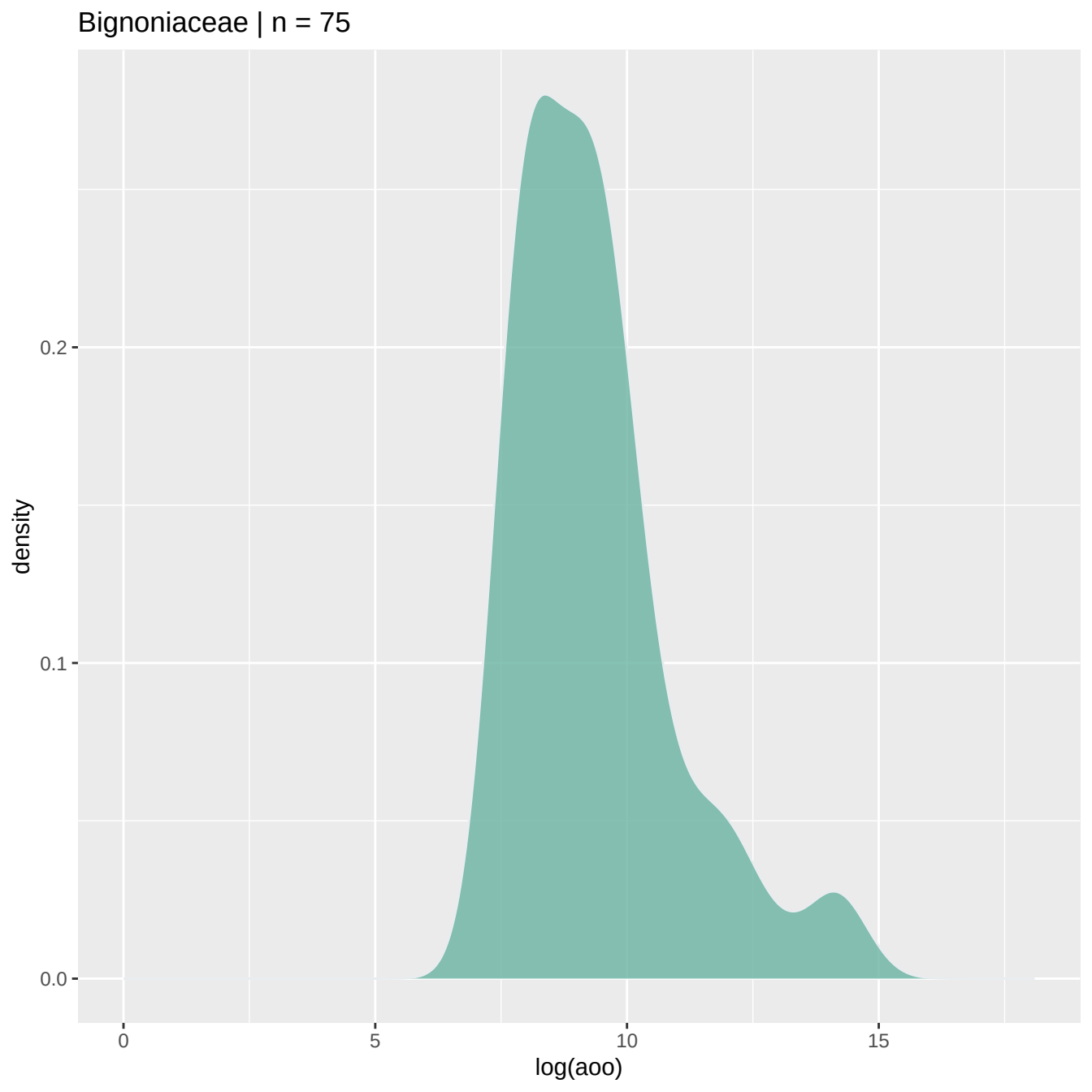

Ericaceae | n = 316
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

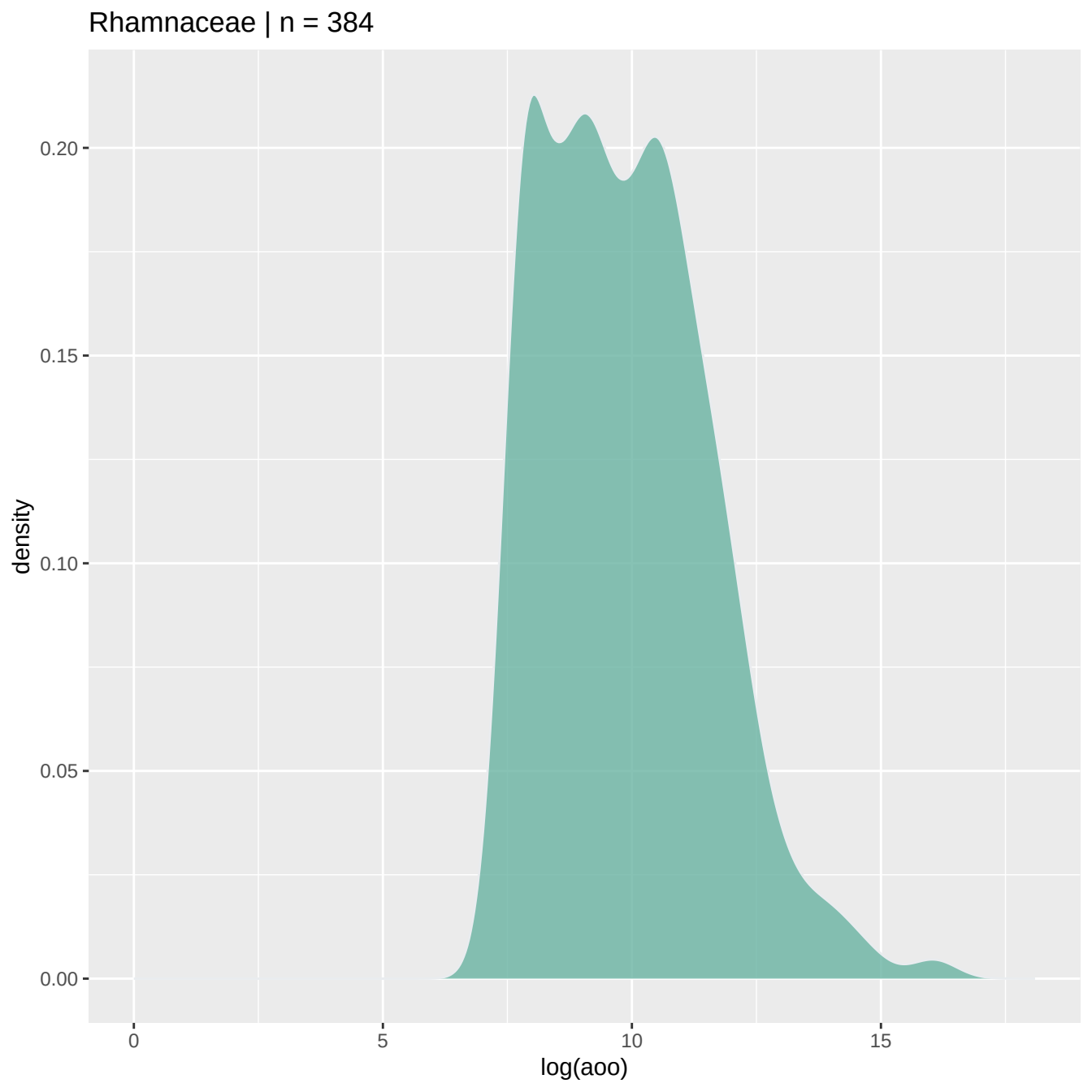

Phyllanthaceae | n = 158
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

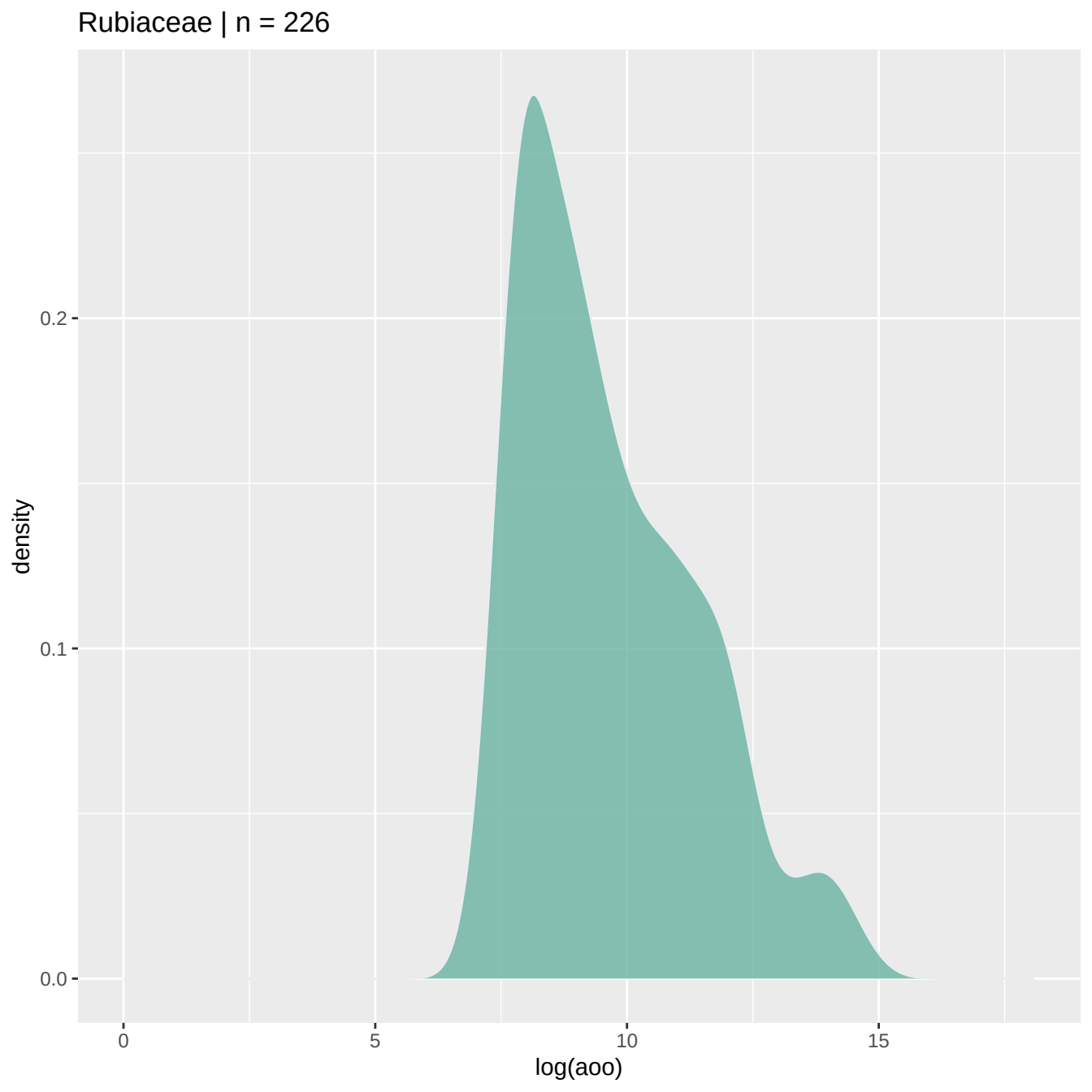

Anacardiaceae | n = 175
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

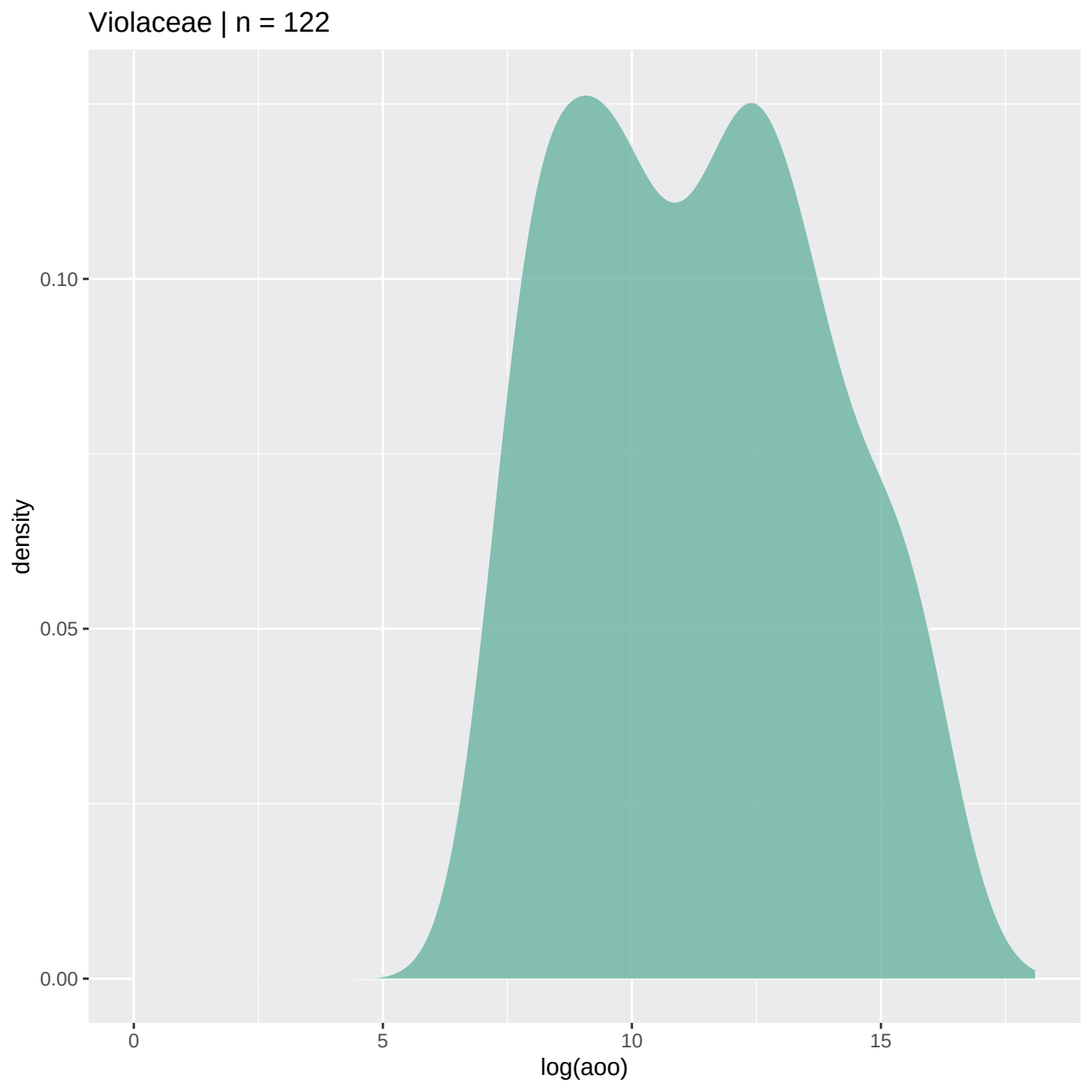

Lythraceae | n = 61
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

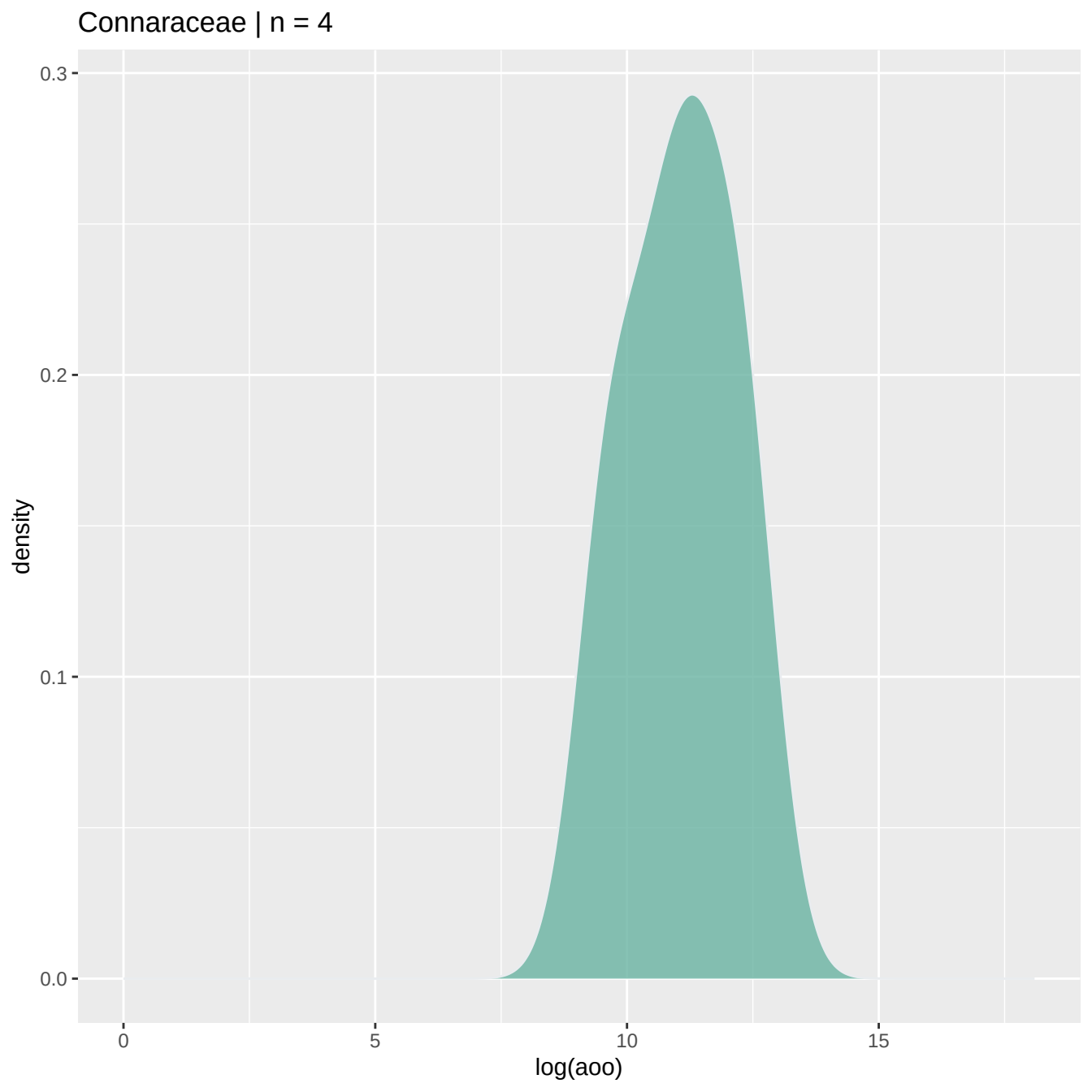

Passifloraceae | n = 199
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

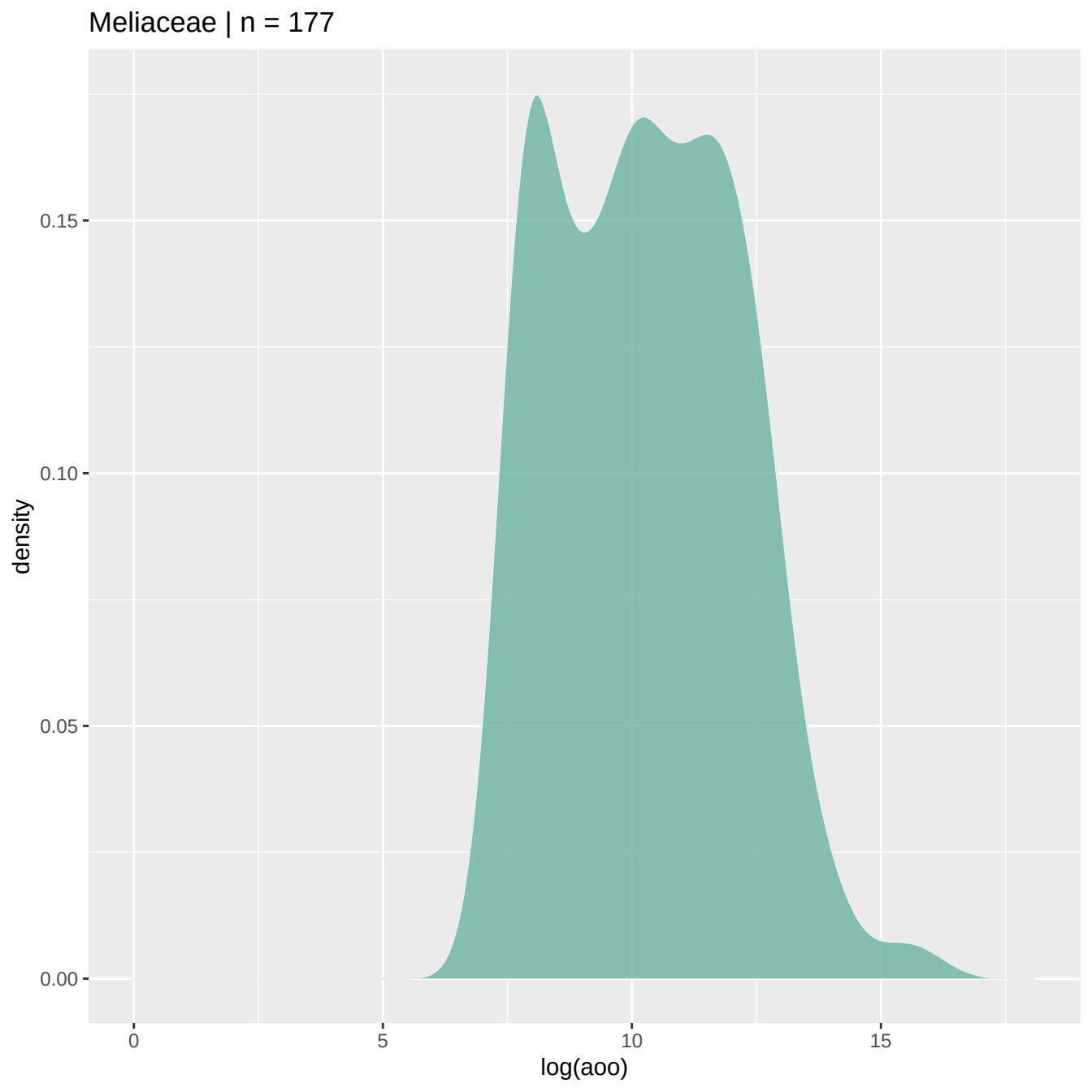

Bignoniaceae | n = 75
density
0.0
0.1
0.2
0
5
10
15
log(aoo)

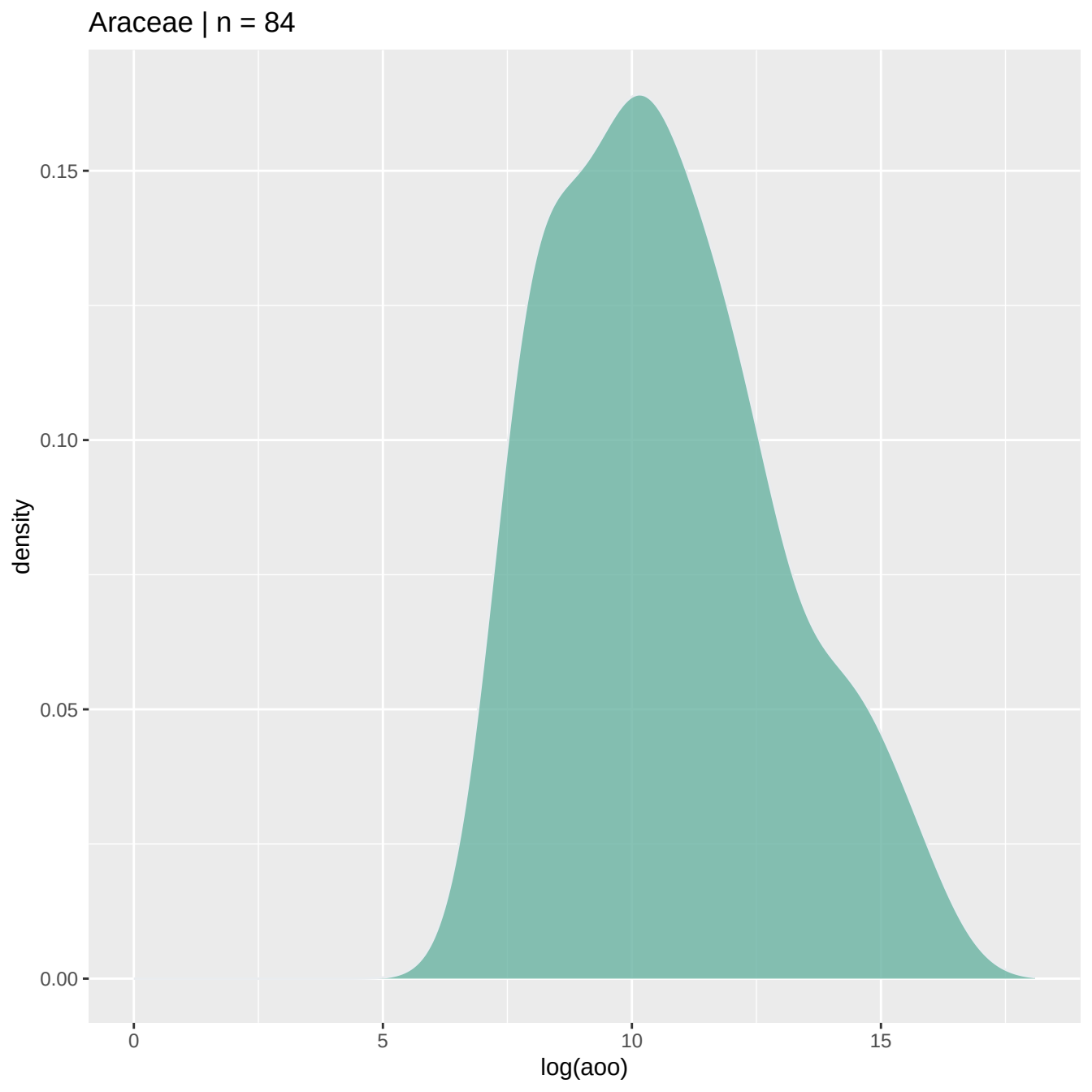

Rhamnaceae | n = 384
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

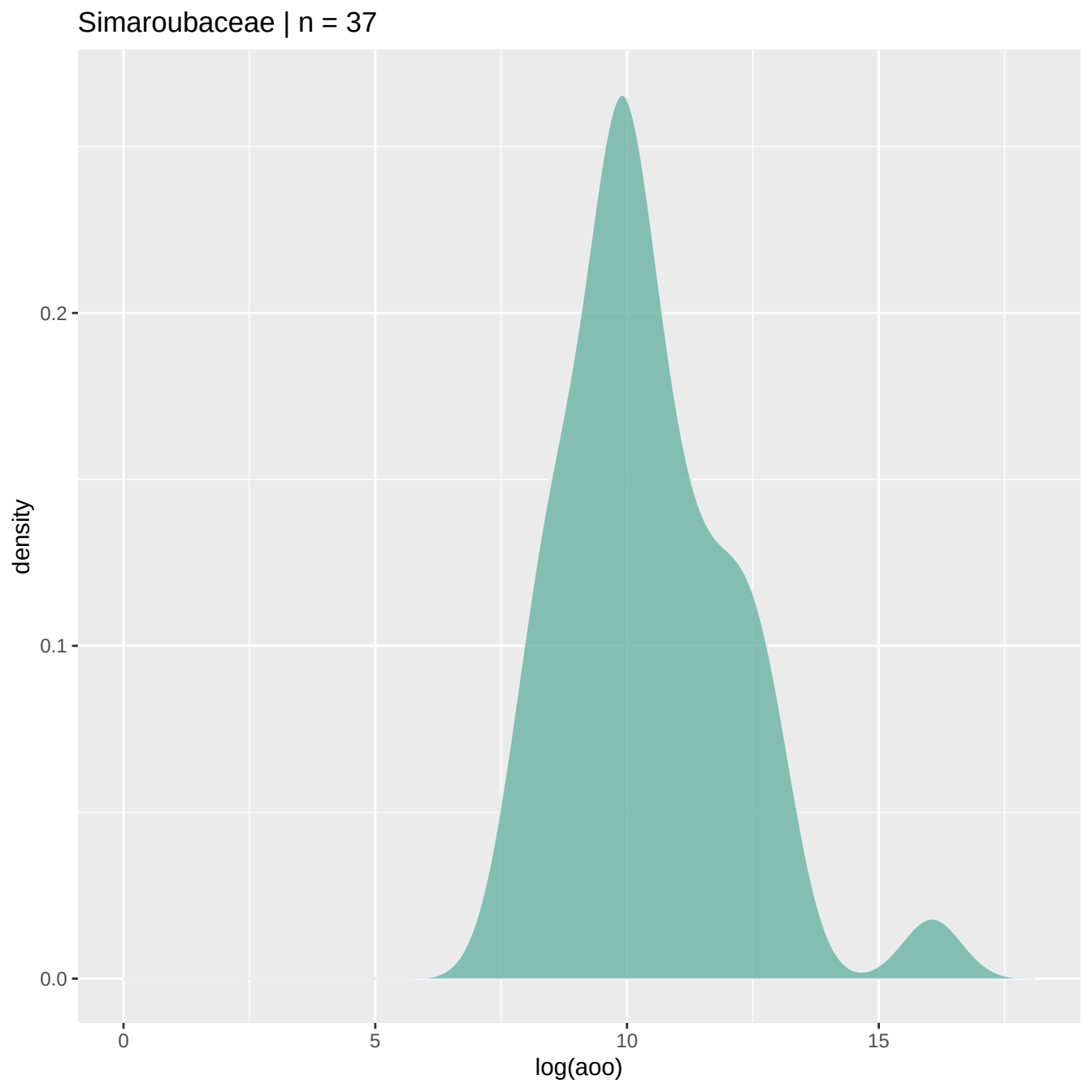

Rubiaceae | n = 226
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

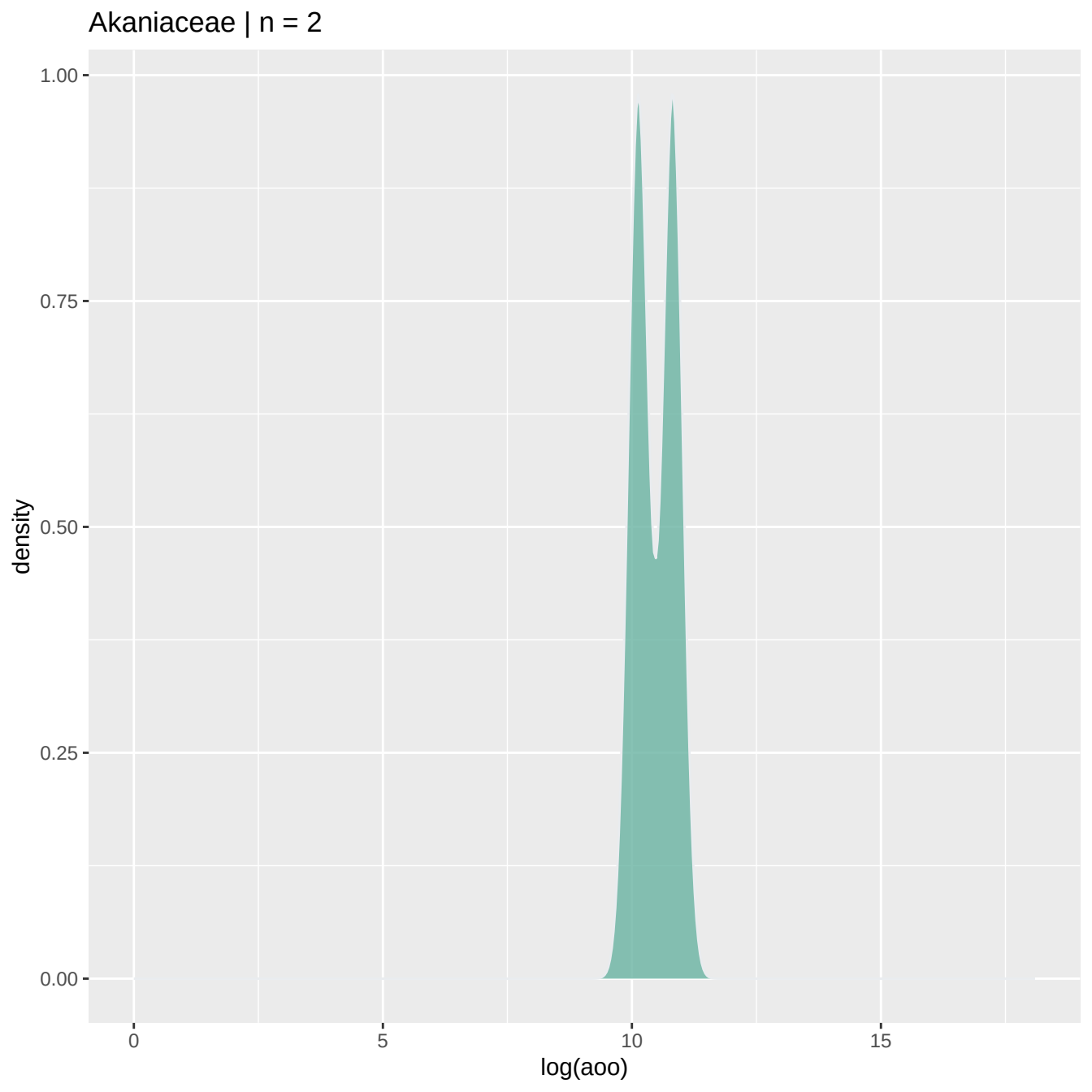

Violaceae | n = 122
density
0.10
0.05
0.00
0
5
10
15
log(aoo)

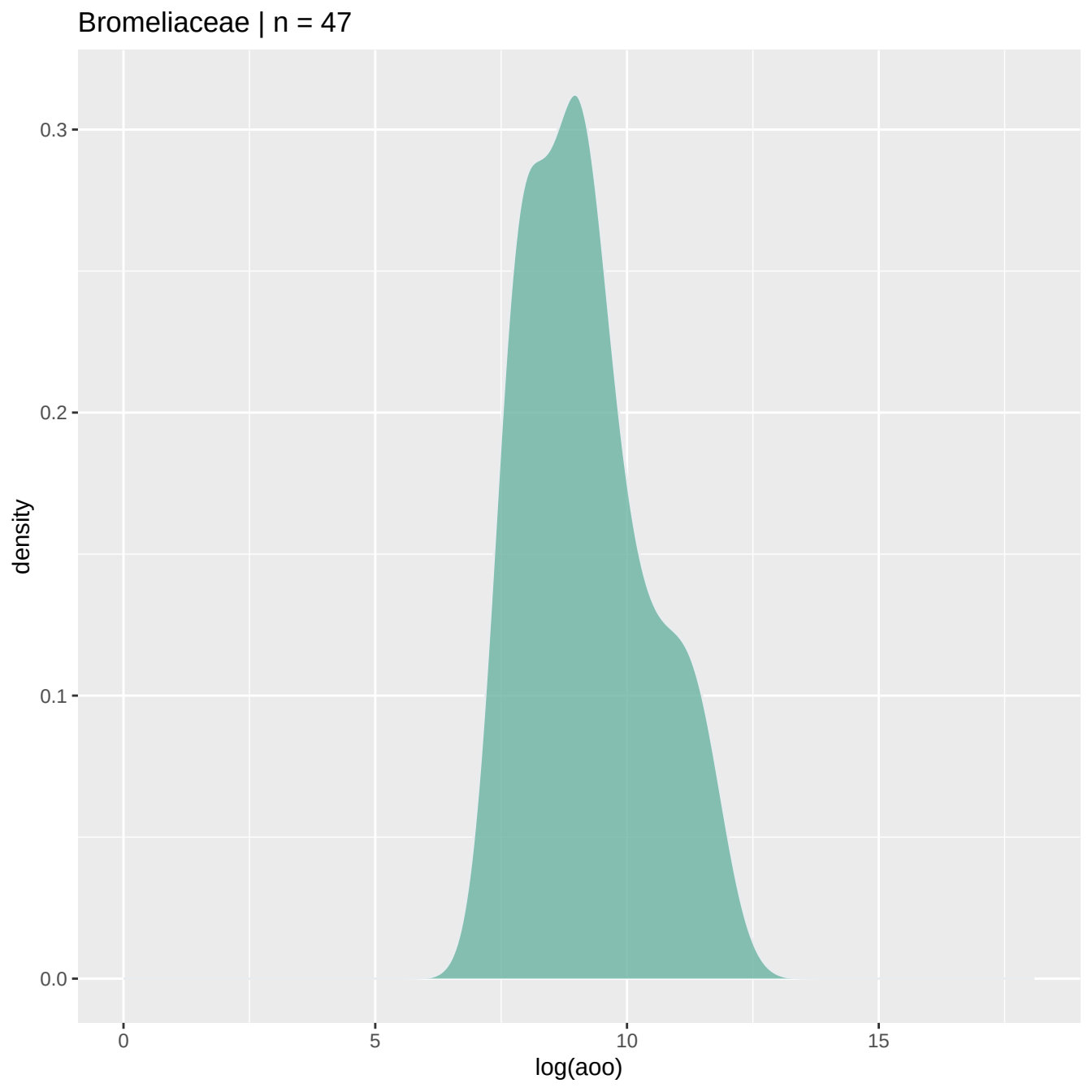

Connaraceae | n = 4
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

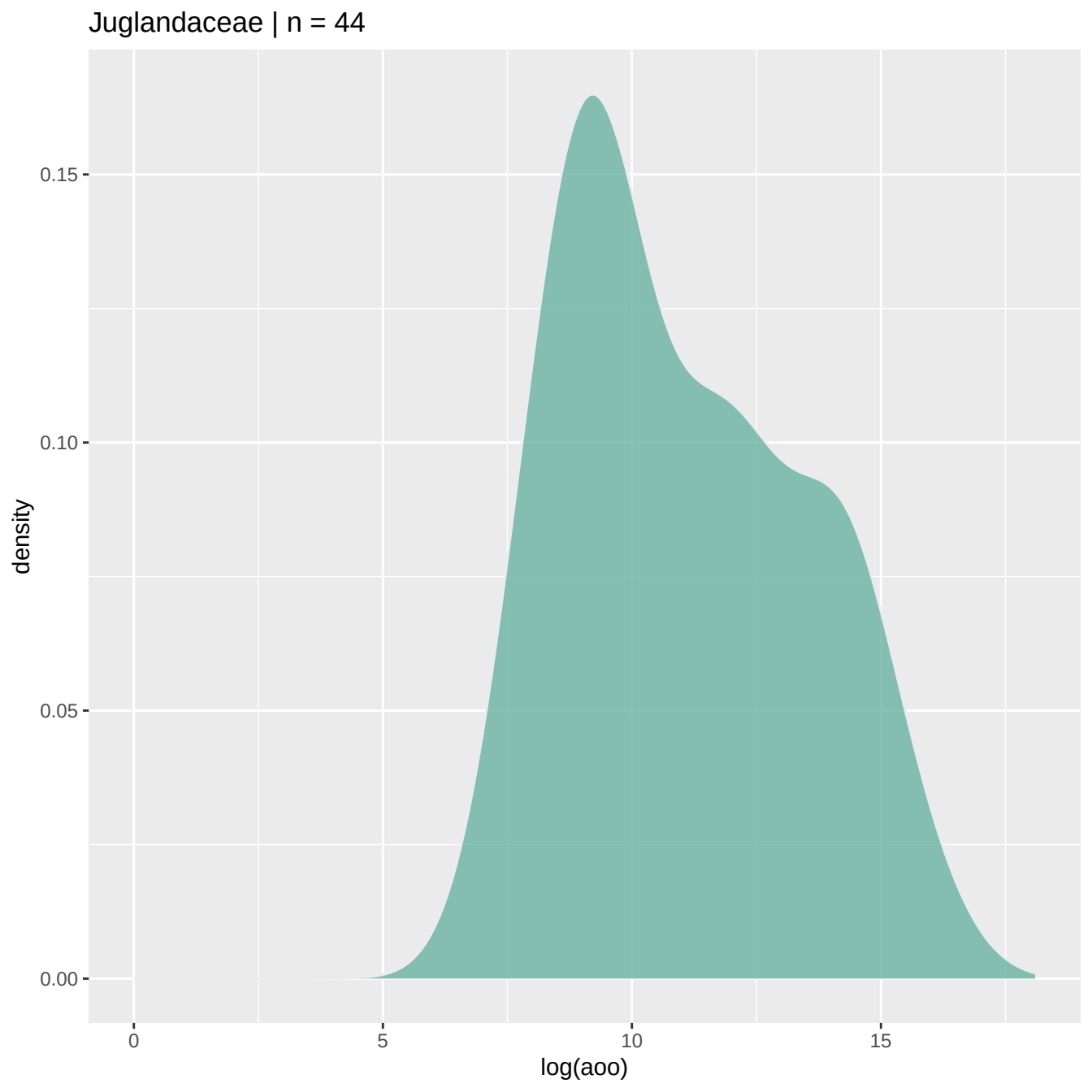

Meliaceae | n = 177
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

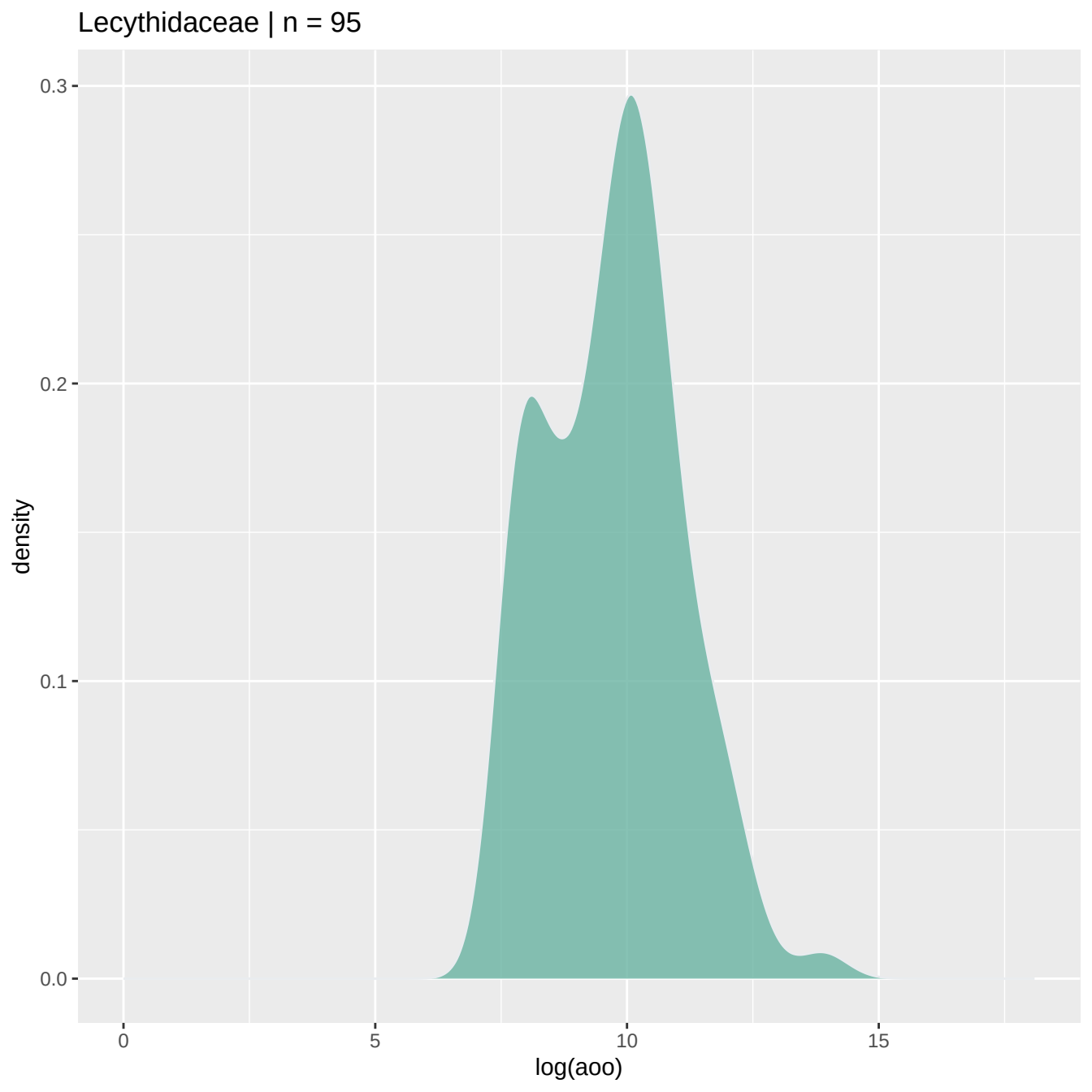

Araceae | n = 84
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

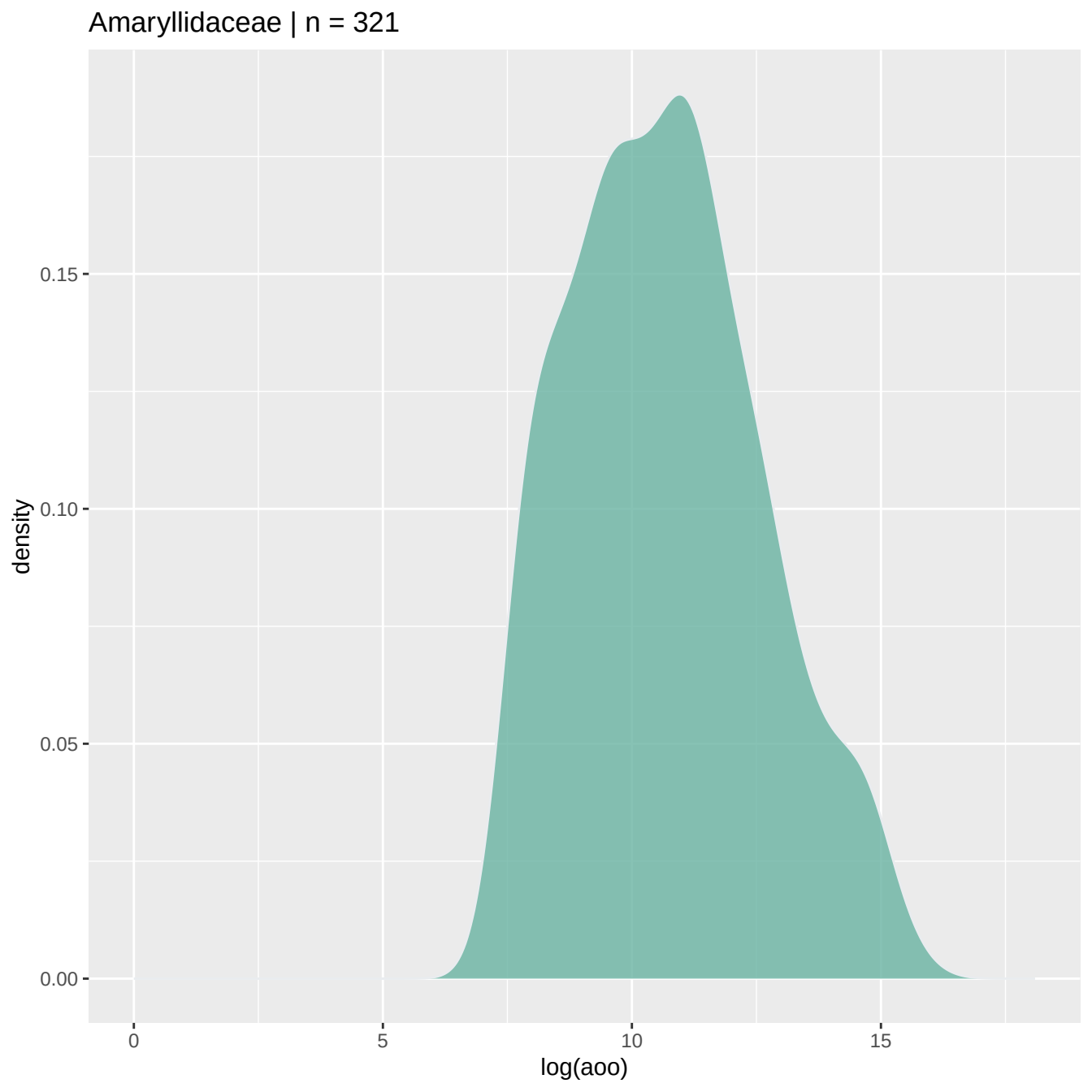

Simaroubaceae | n = 37
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

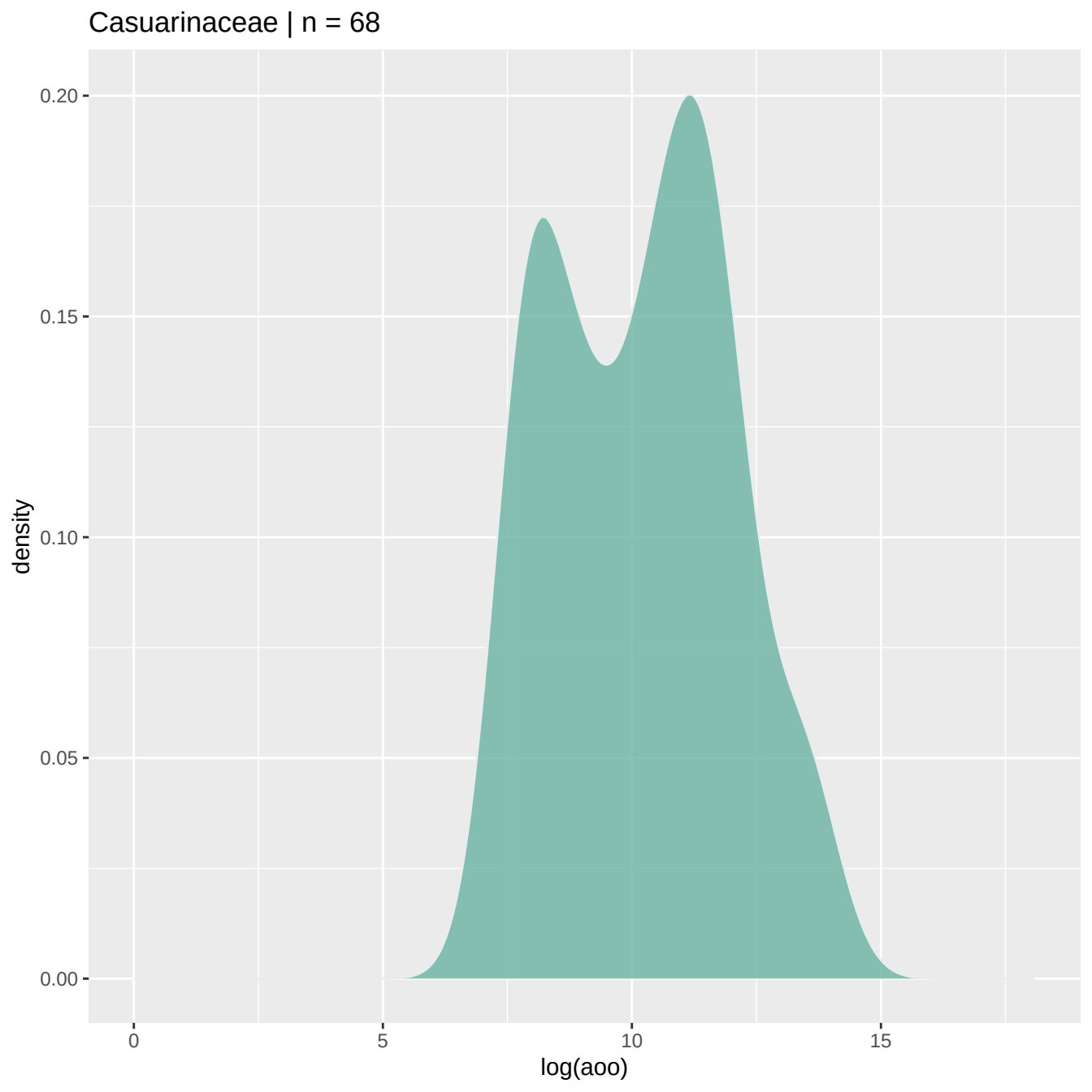

Akaniaceae | n = 2
1.00
0.75
0.50
0.25
0.00
density
0
5
10
15
log(aoo)

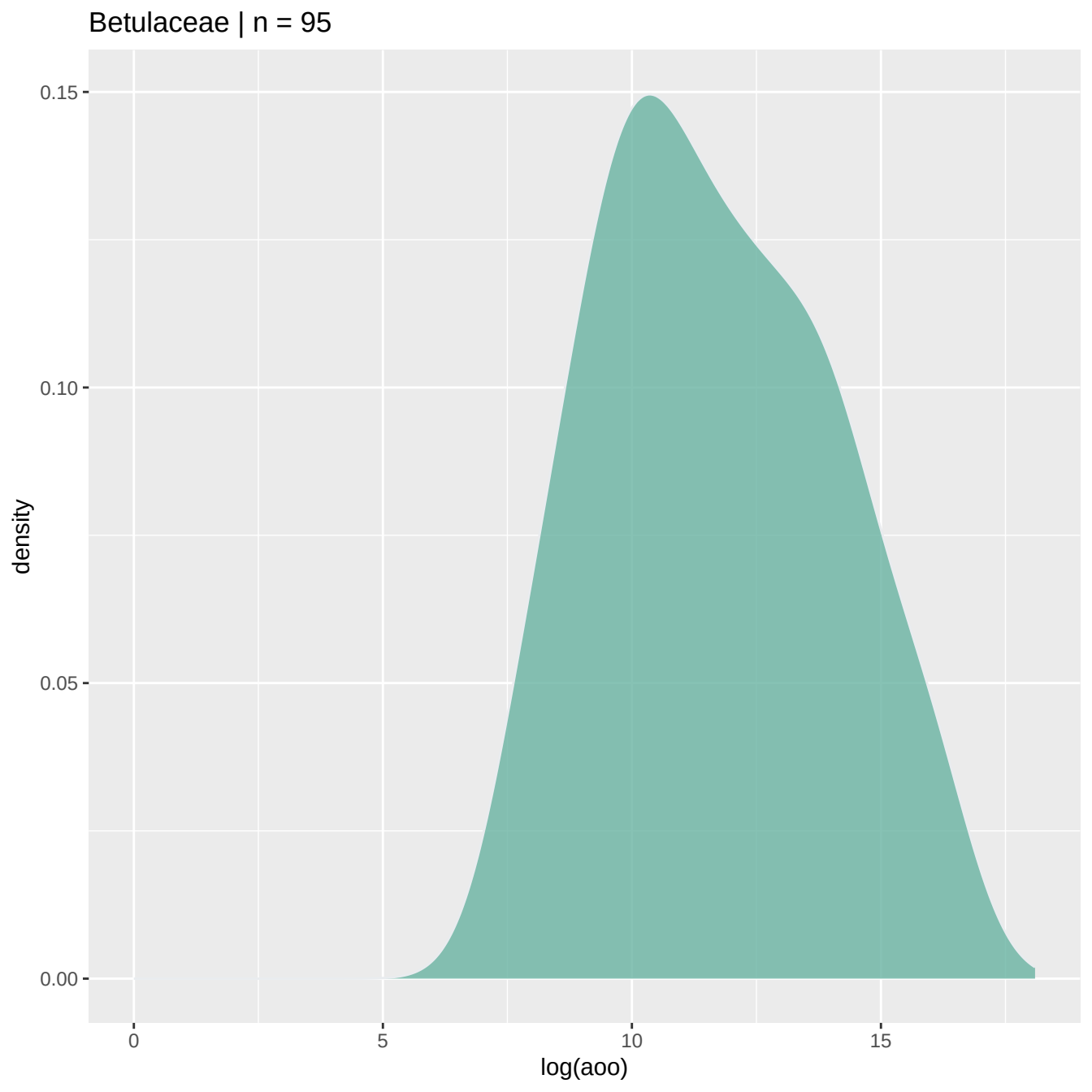

Bromeliaceae | n = 47
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

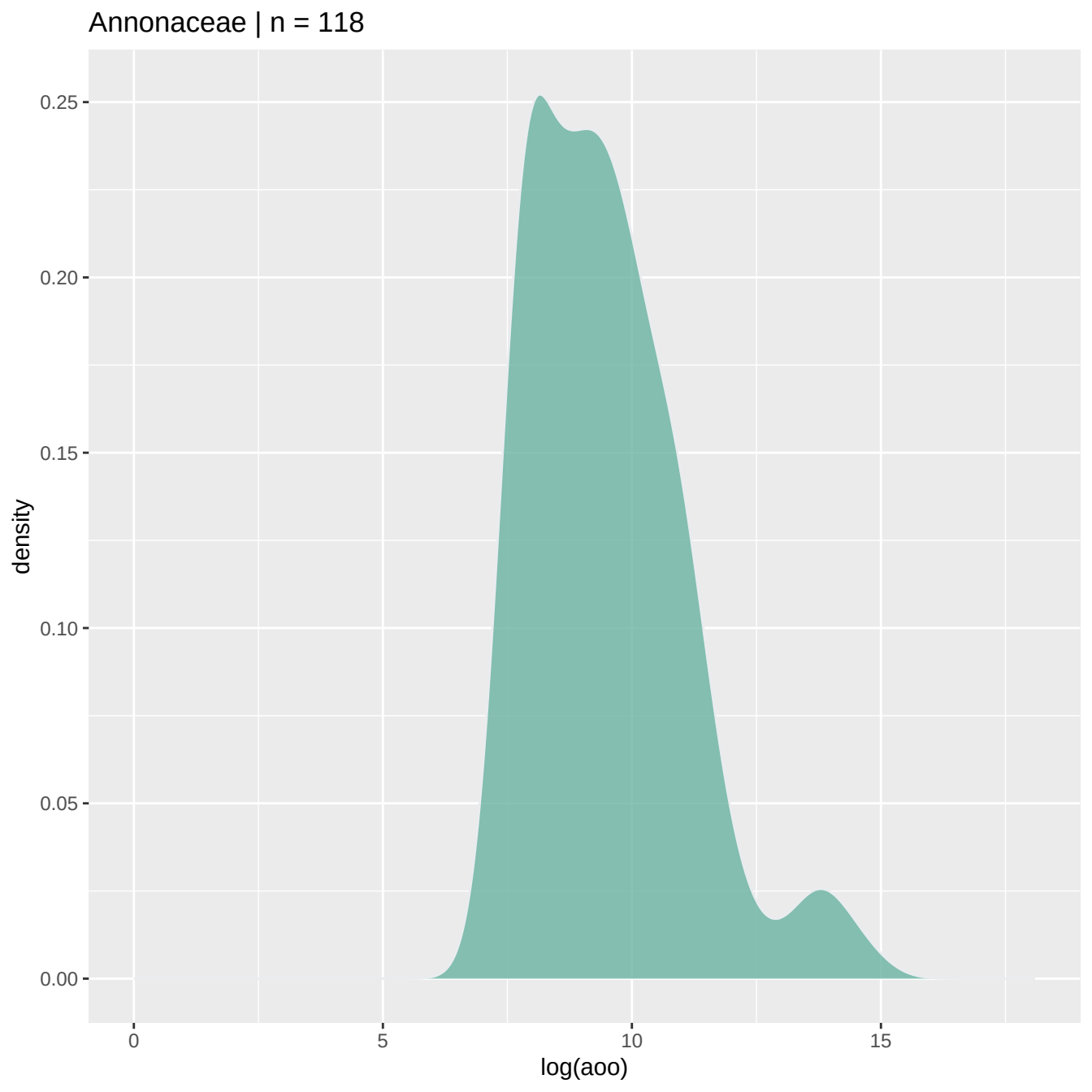

Juglandaceae | n = 44
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

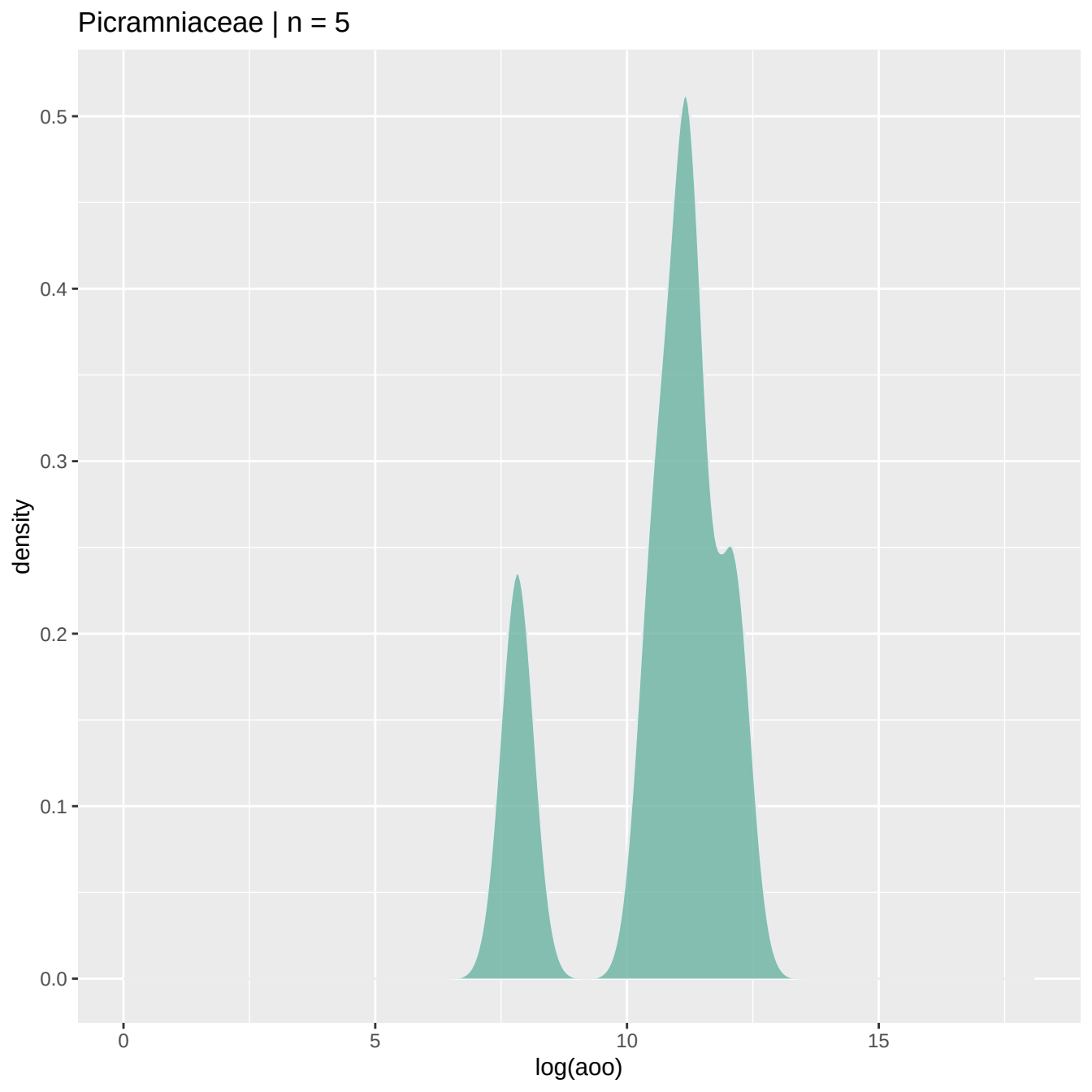

Lecythidaceae | n = 95
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

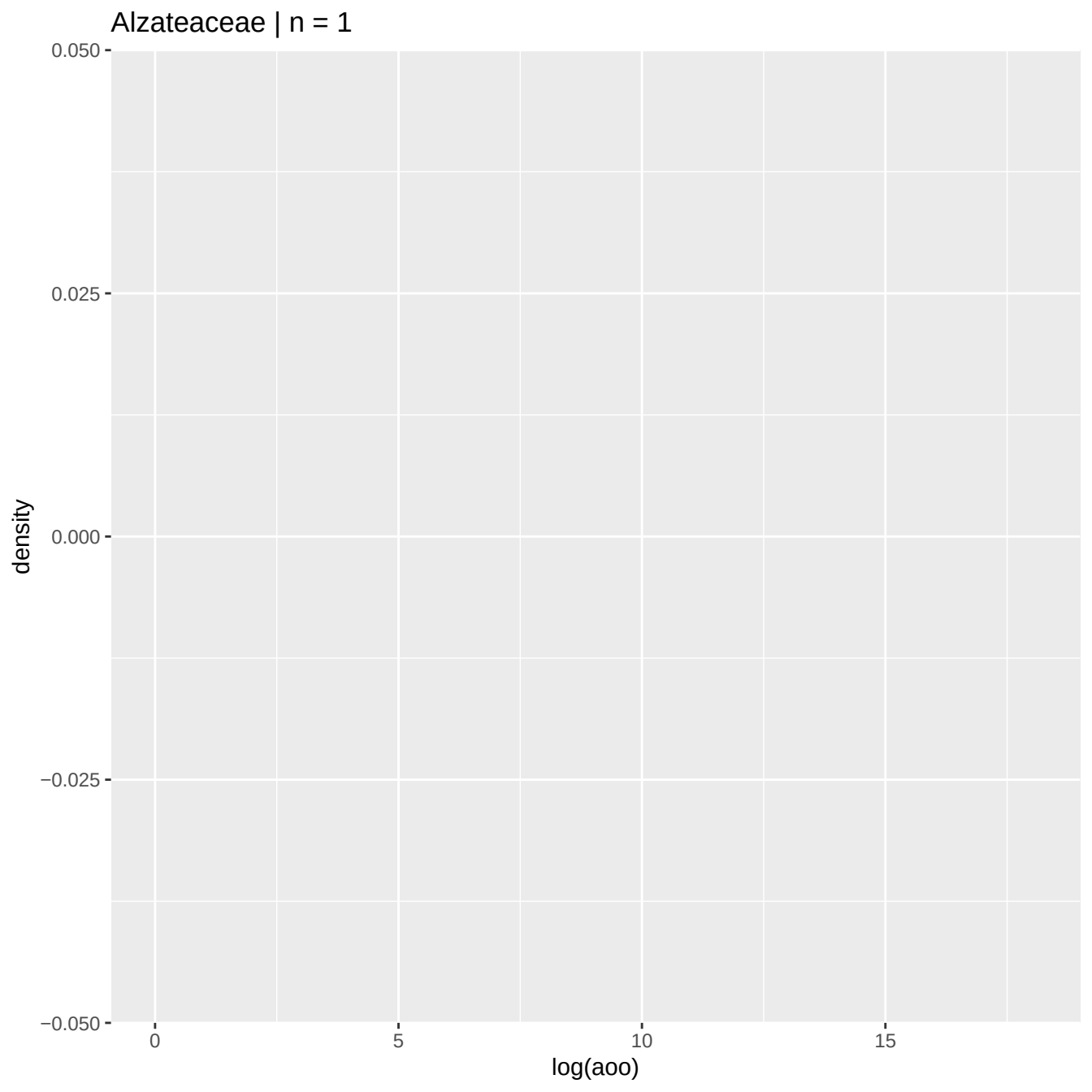

Amaryllidaceae | n = 321
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

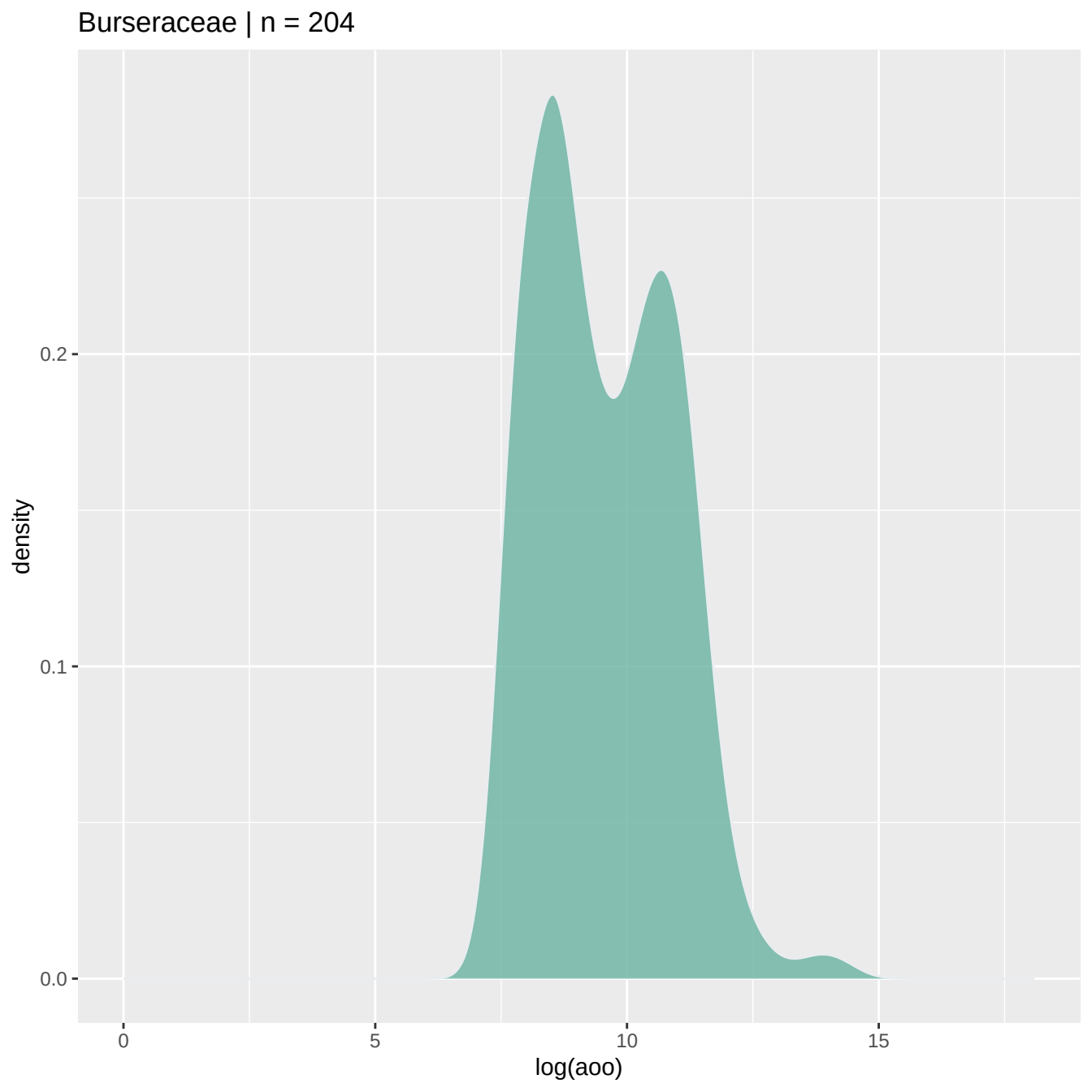

Casuarinaceae | n = 68
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

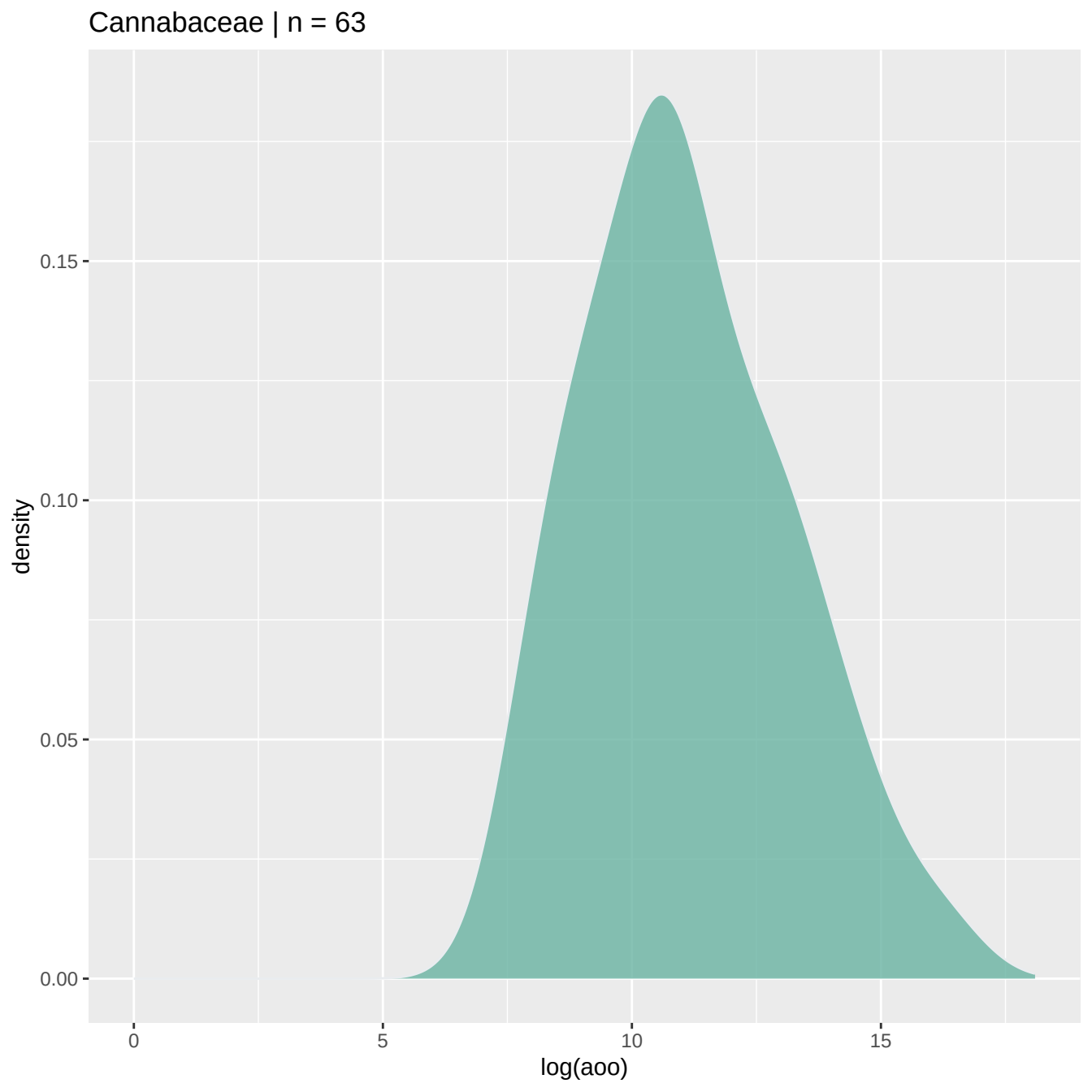

Betulaceae | n = 95
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

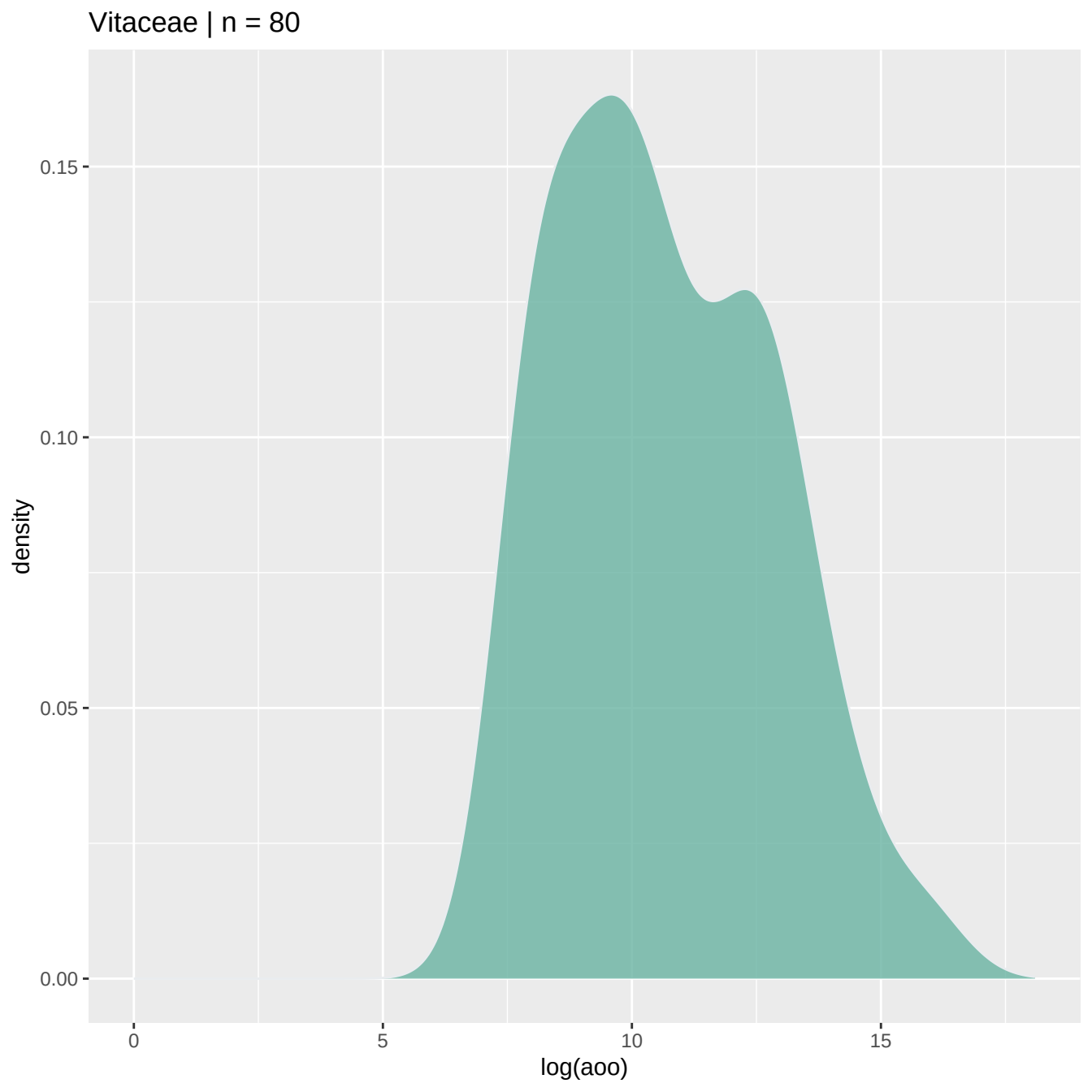

Annonaceae | n = 118
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

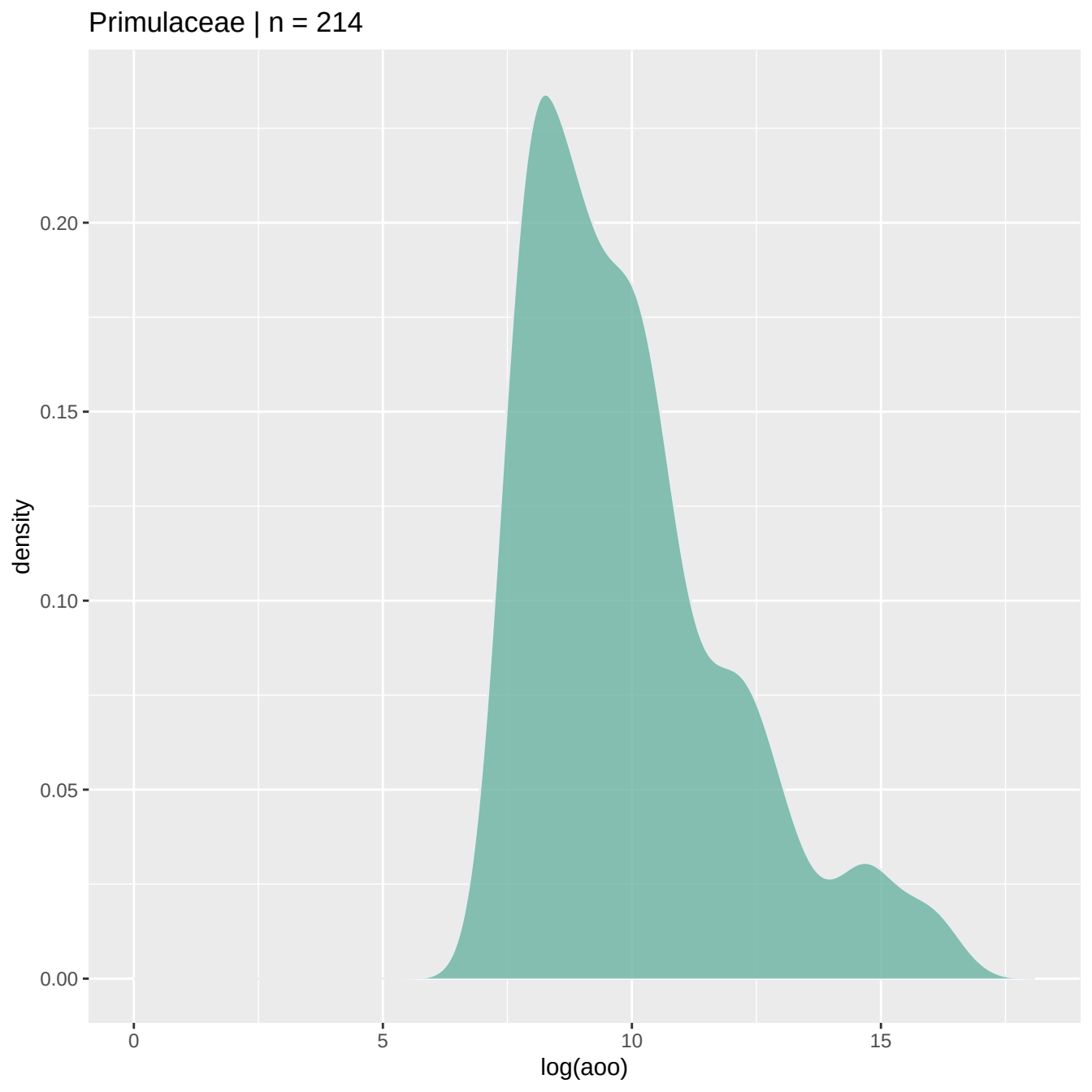

Picramniaceae | n = 5
density
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
log(aoo)

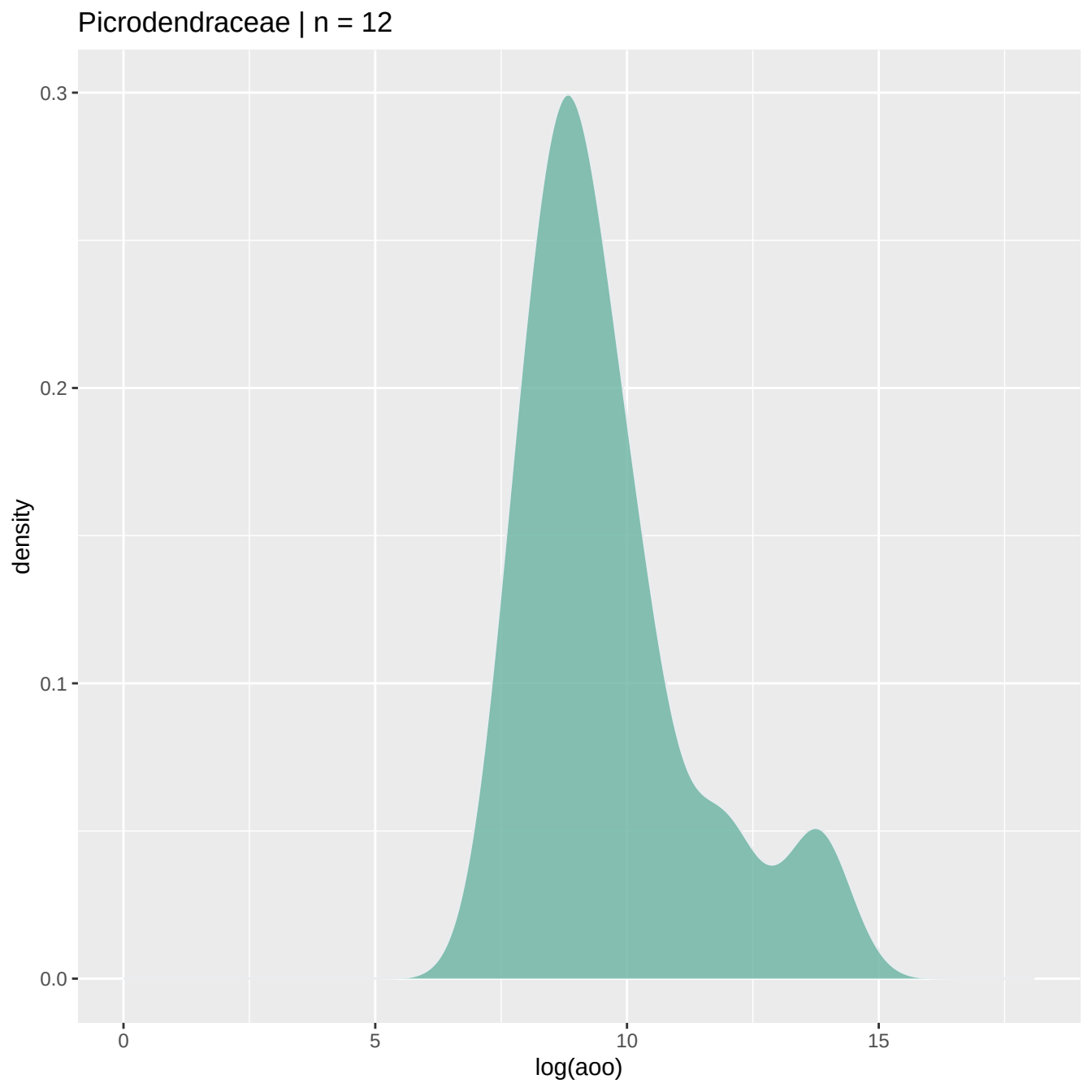

Alzateaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

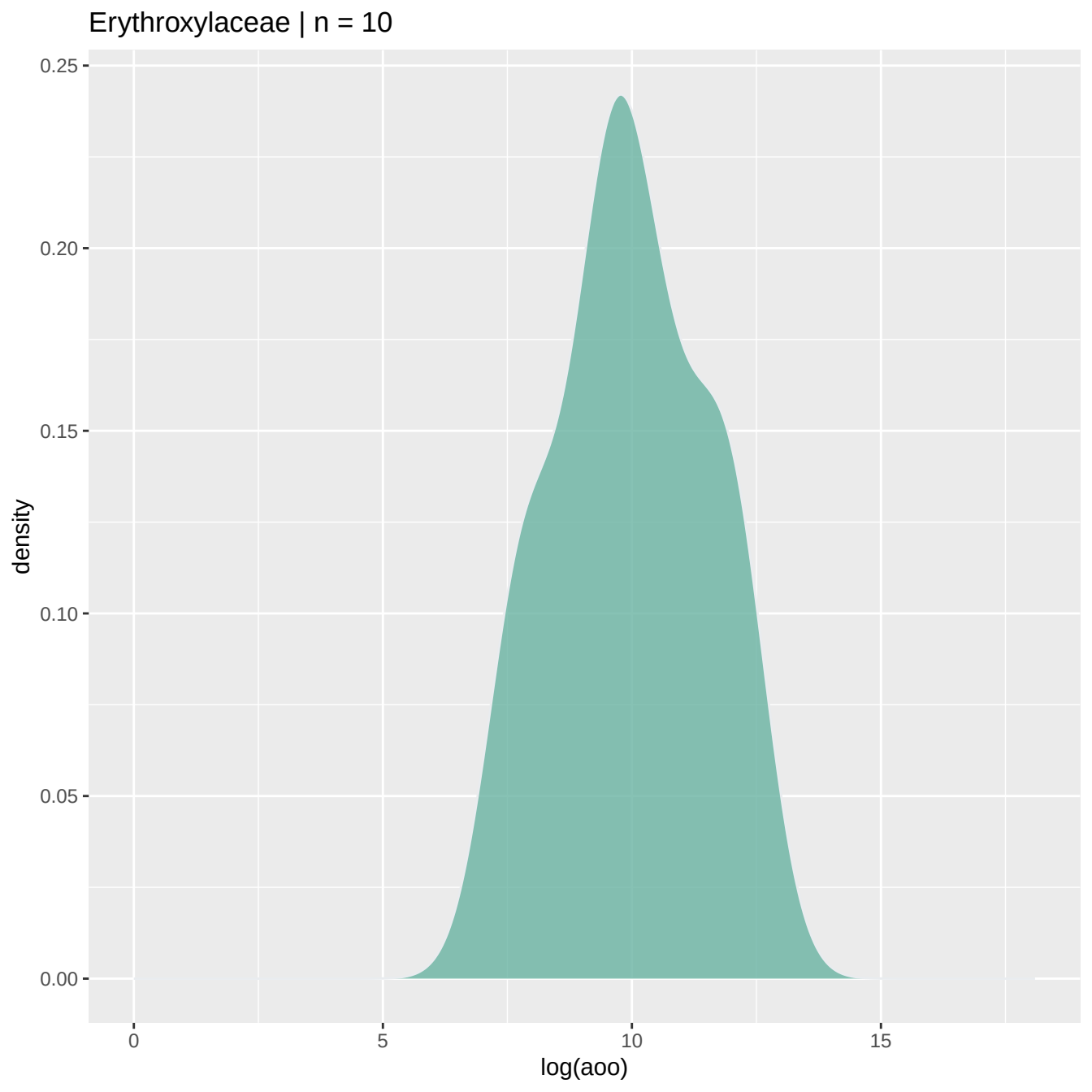

Burseraceae | n = 204
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

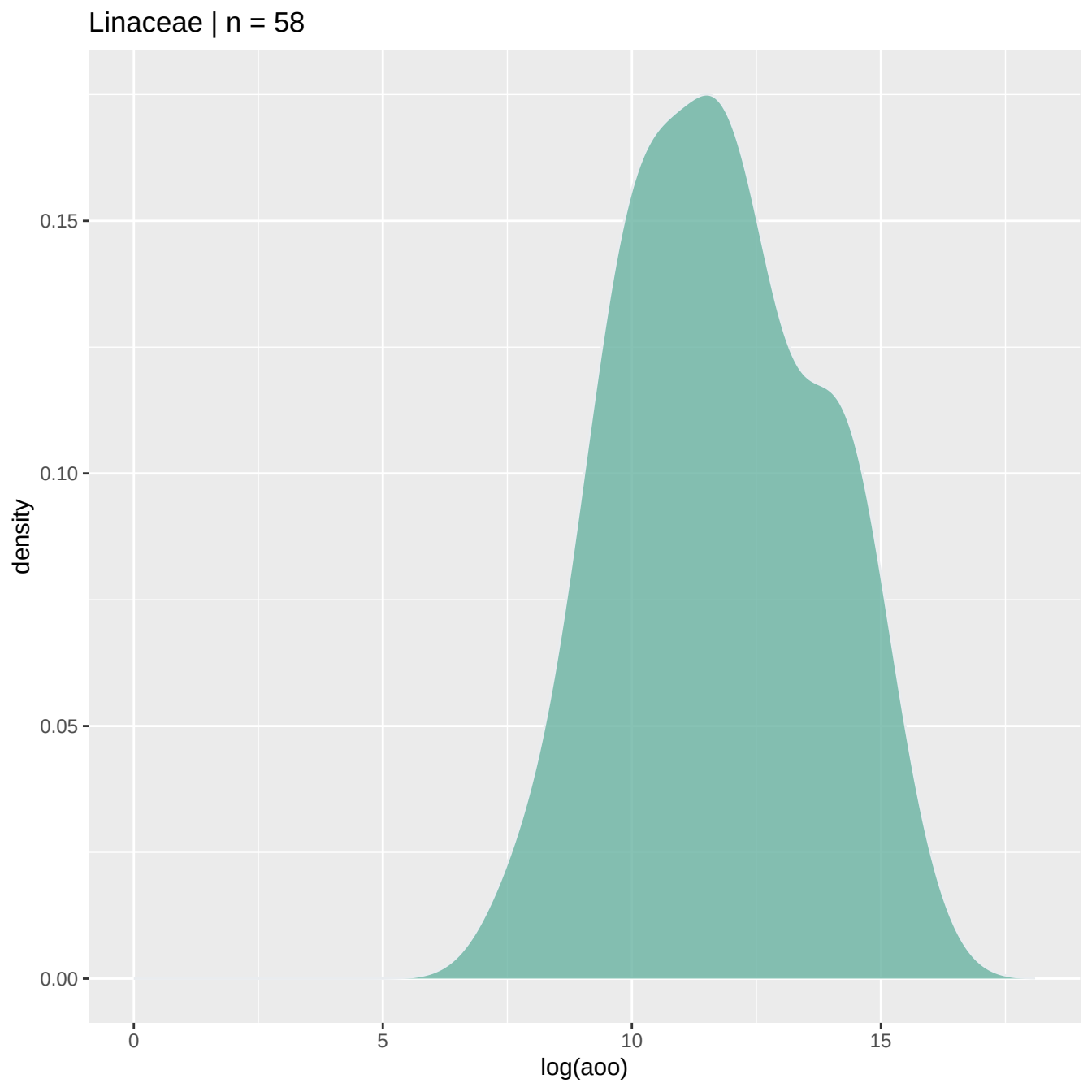

Cannabaceae | n = 63
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

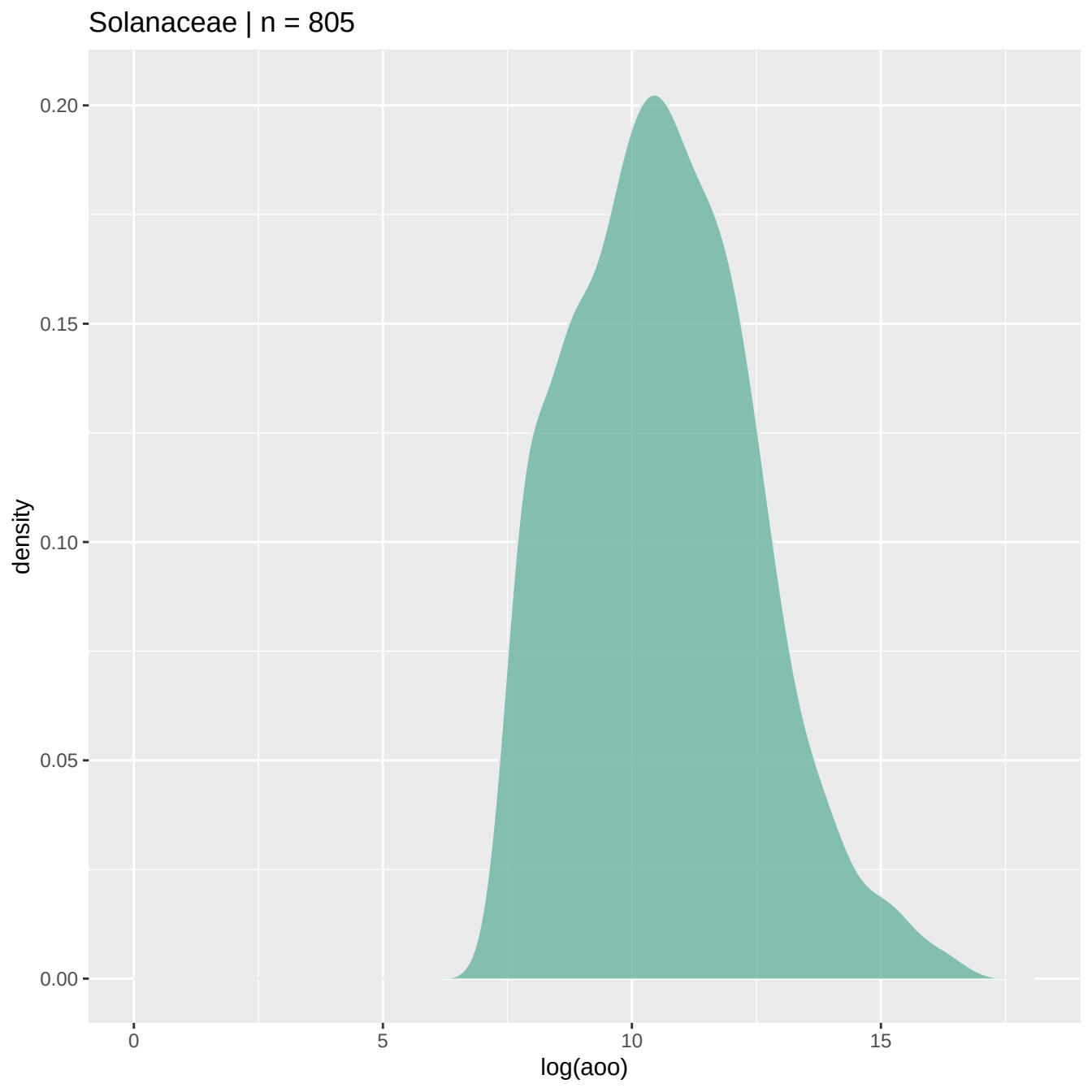

Vitaceae | n = 80
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

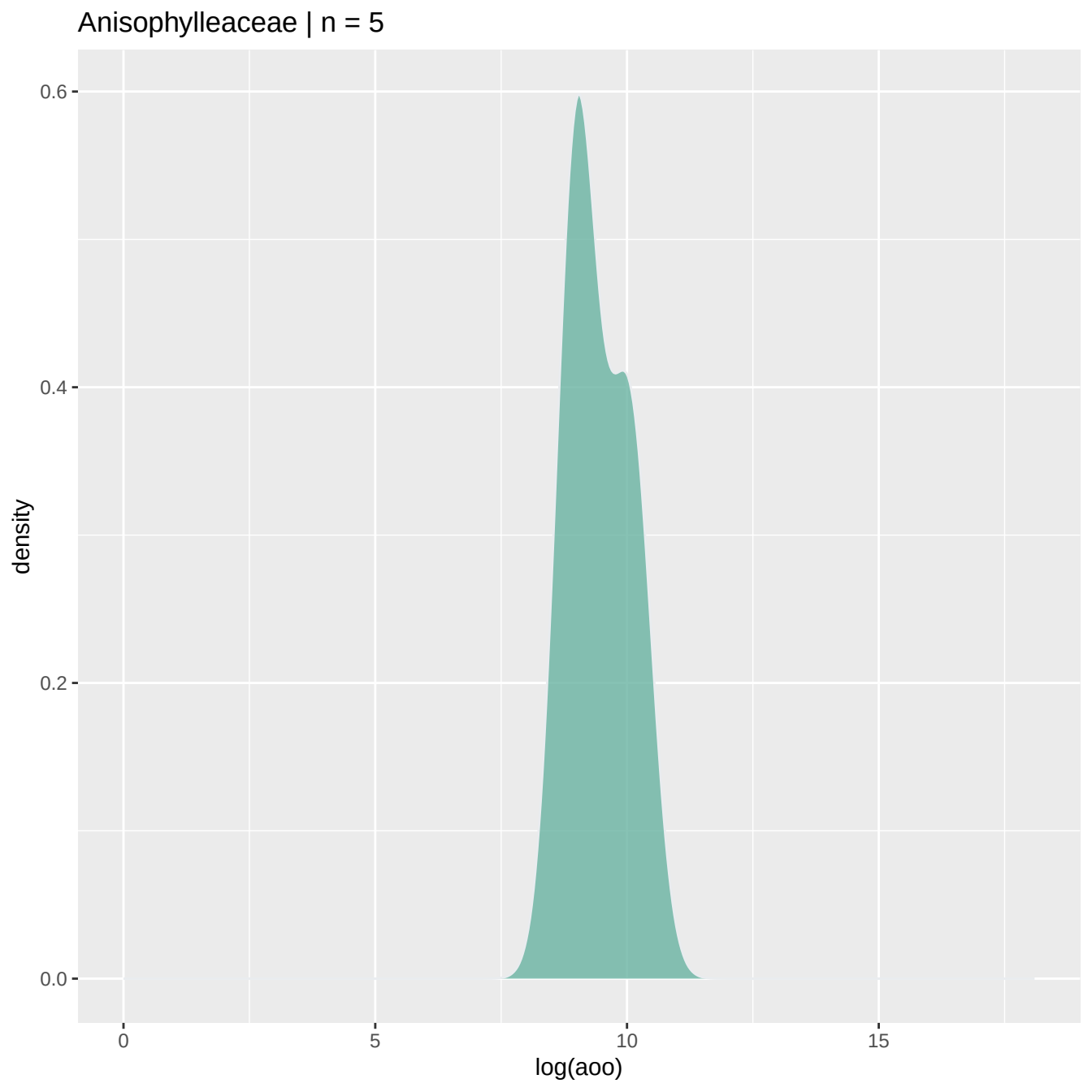

Primulaceae | n = 214
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

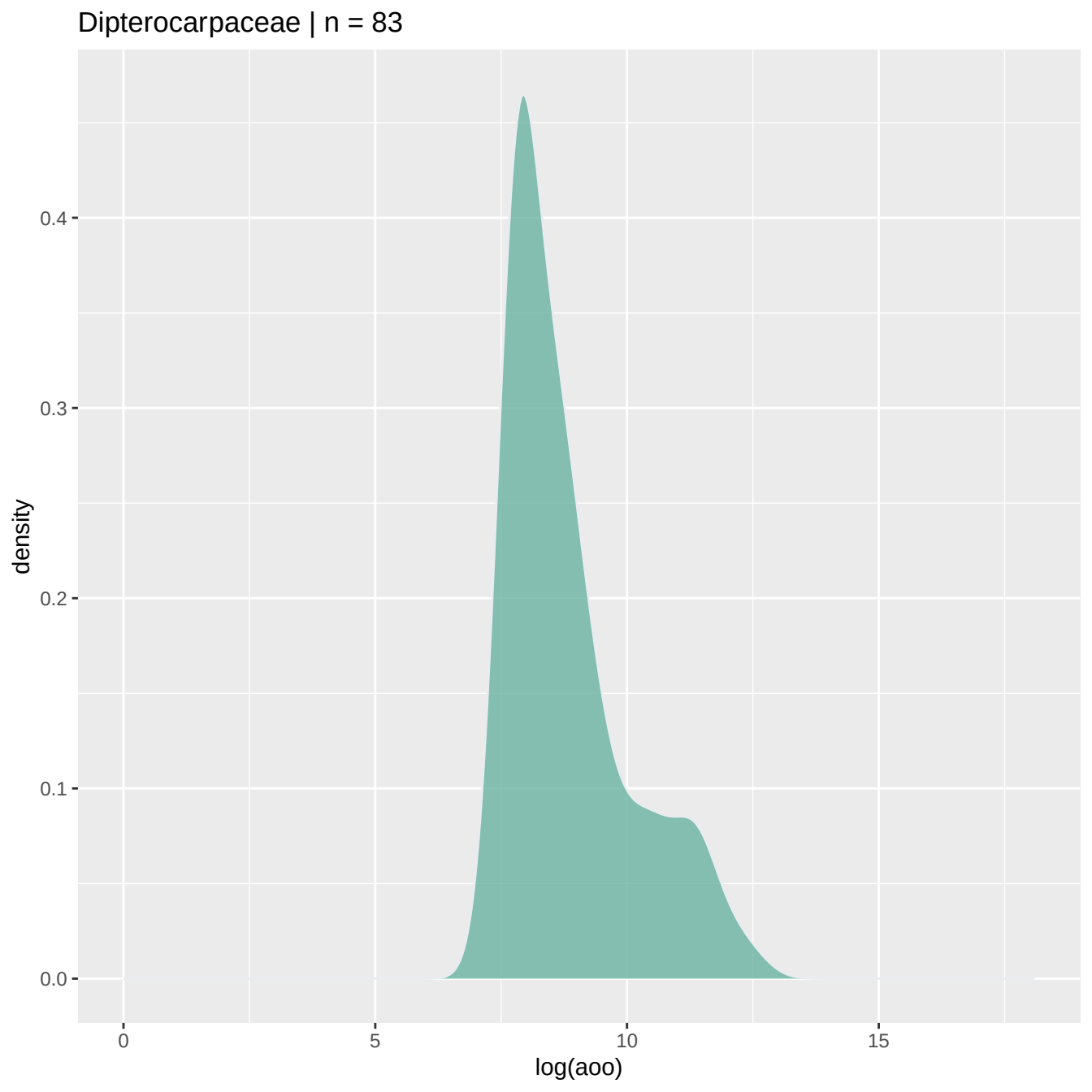

Picrodendraceae | n = 12
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

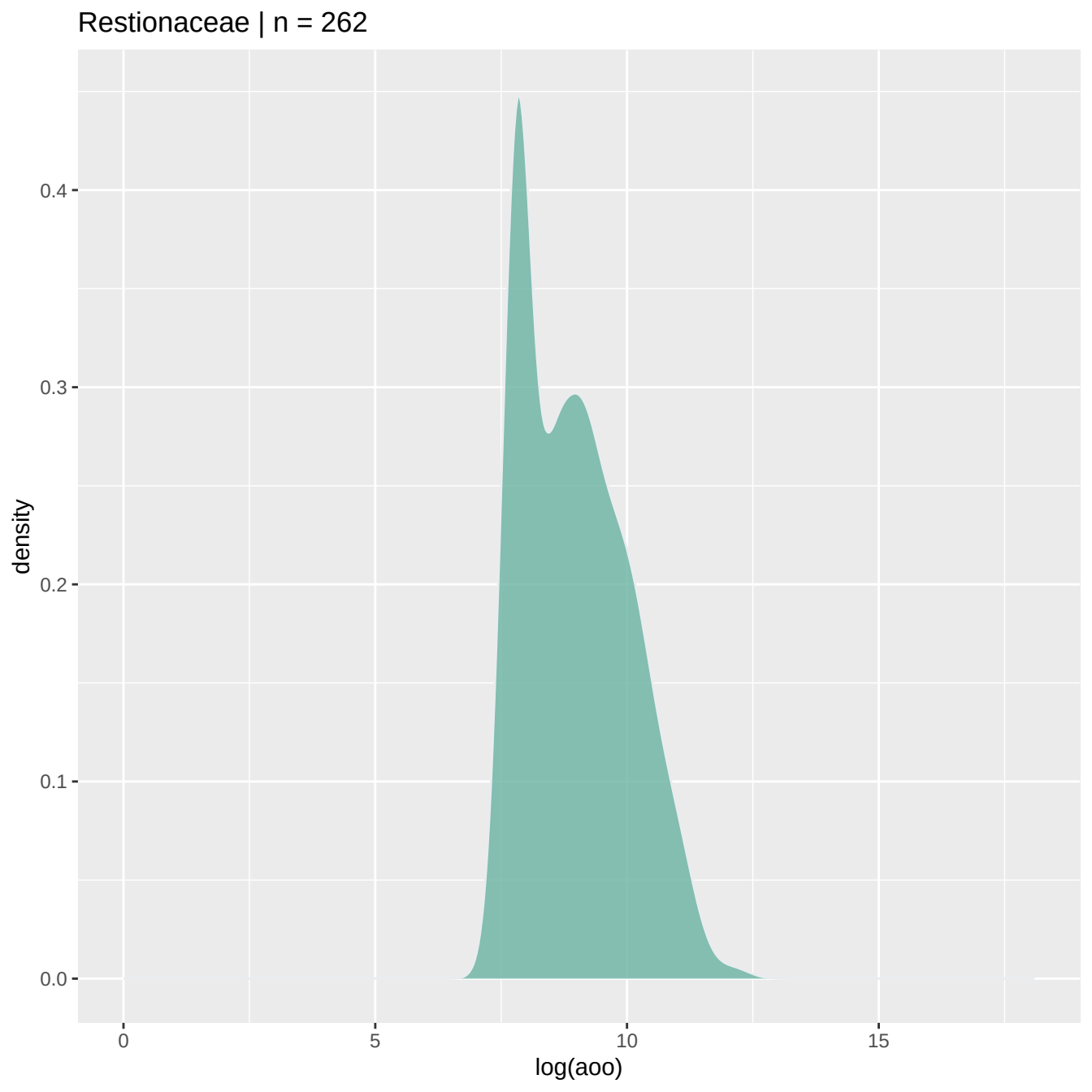

Erythroxylaceae | n = 10
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

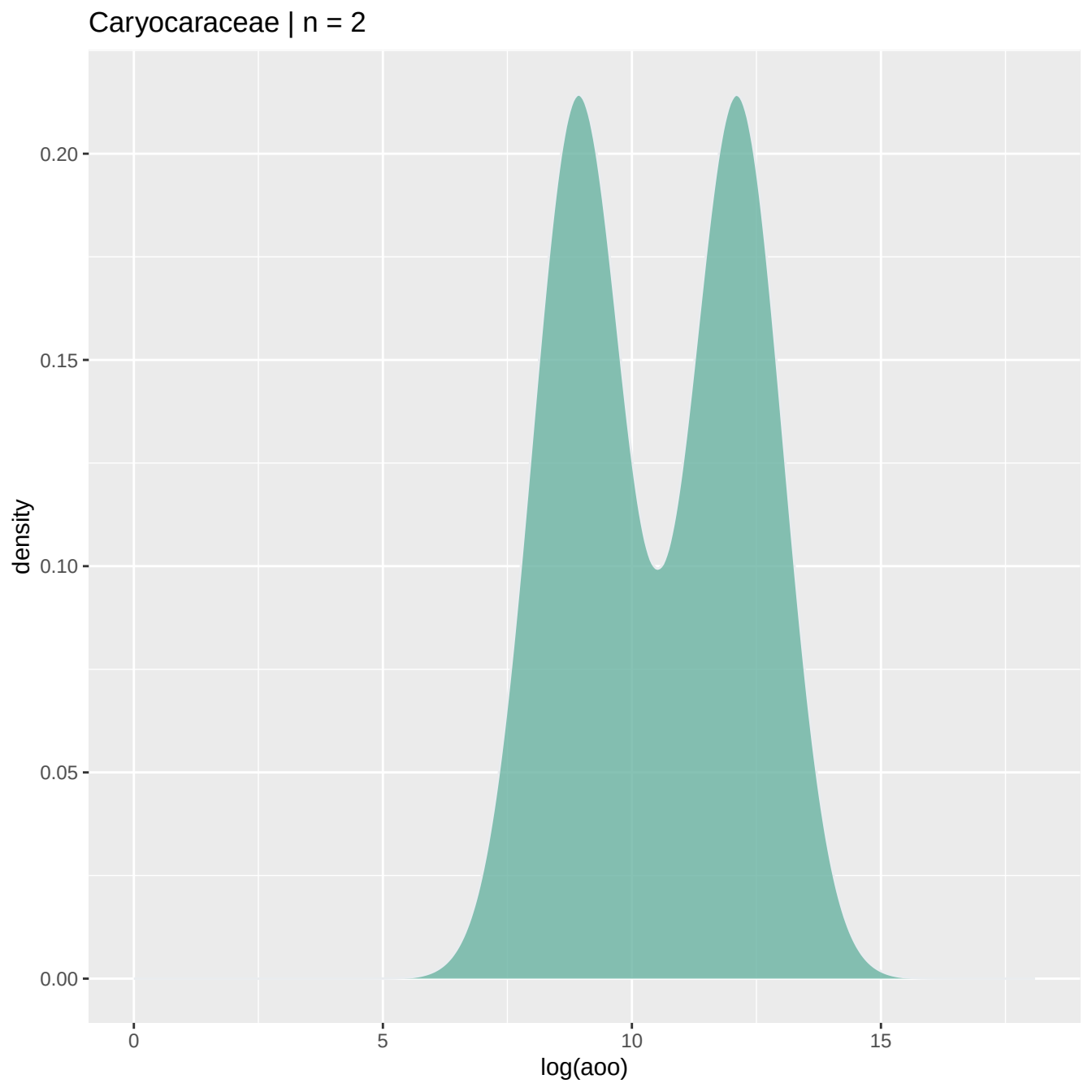

Linaceae | n = 58
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

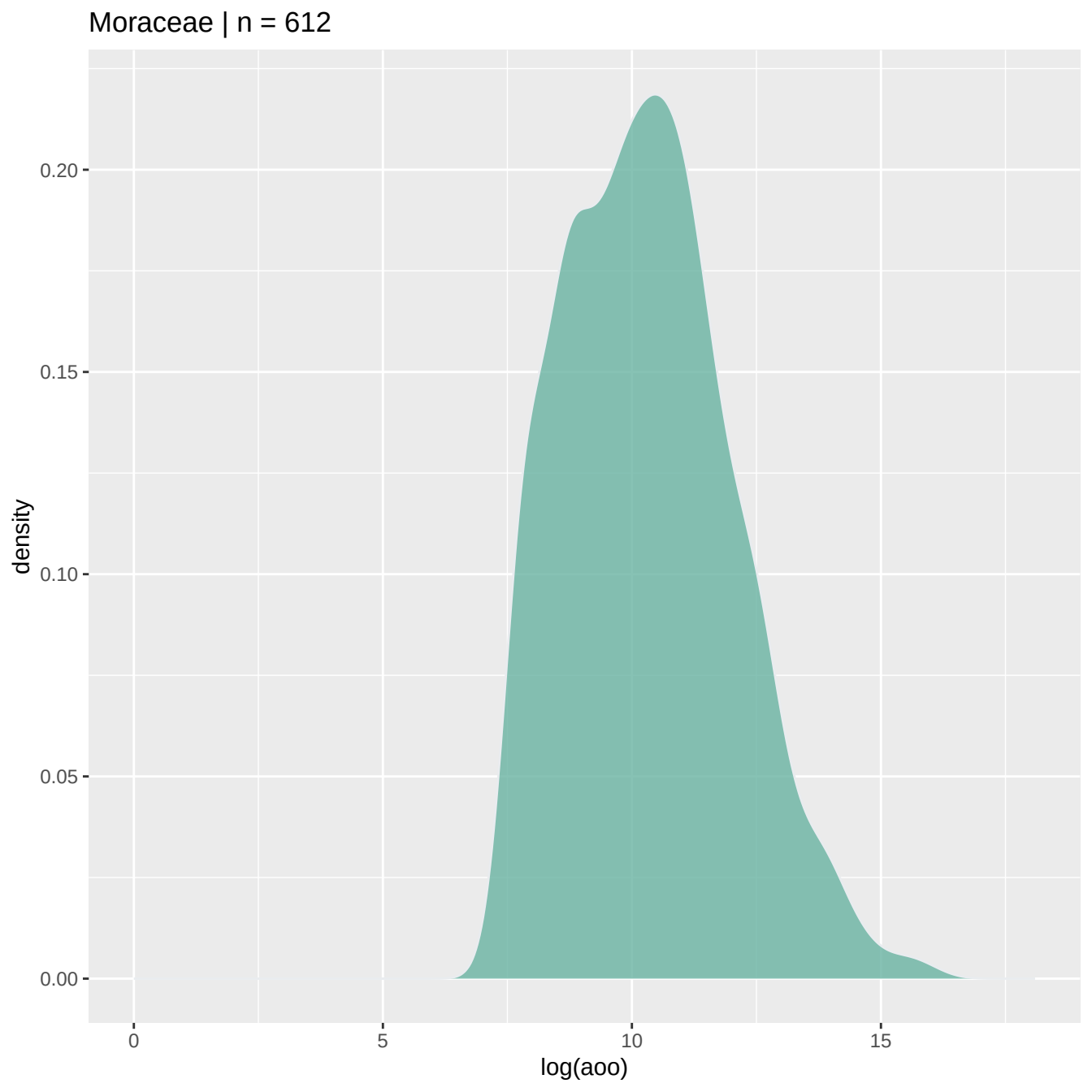

Solanaceae | n = 805
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

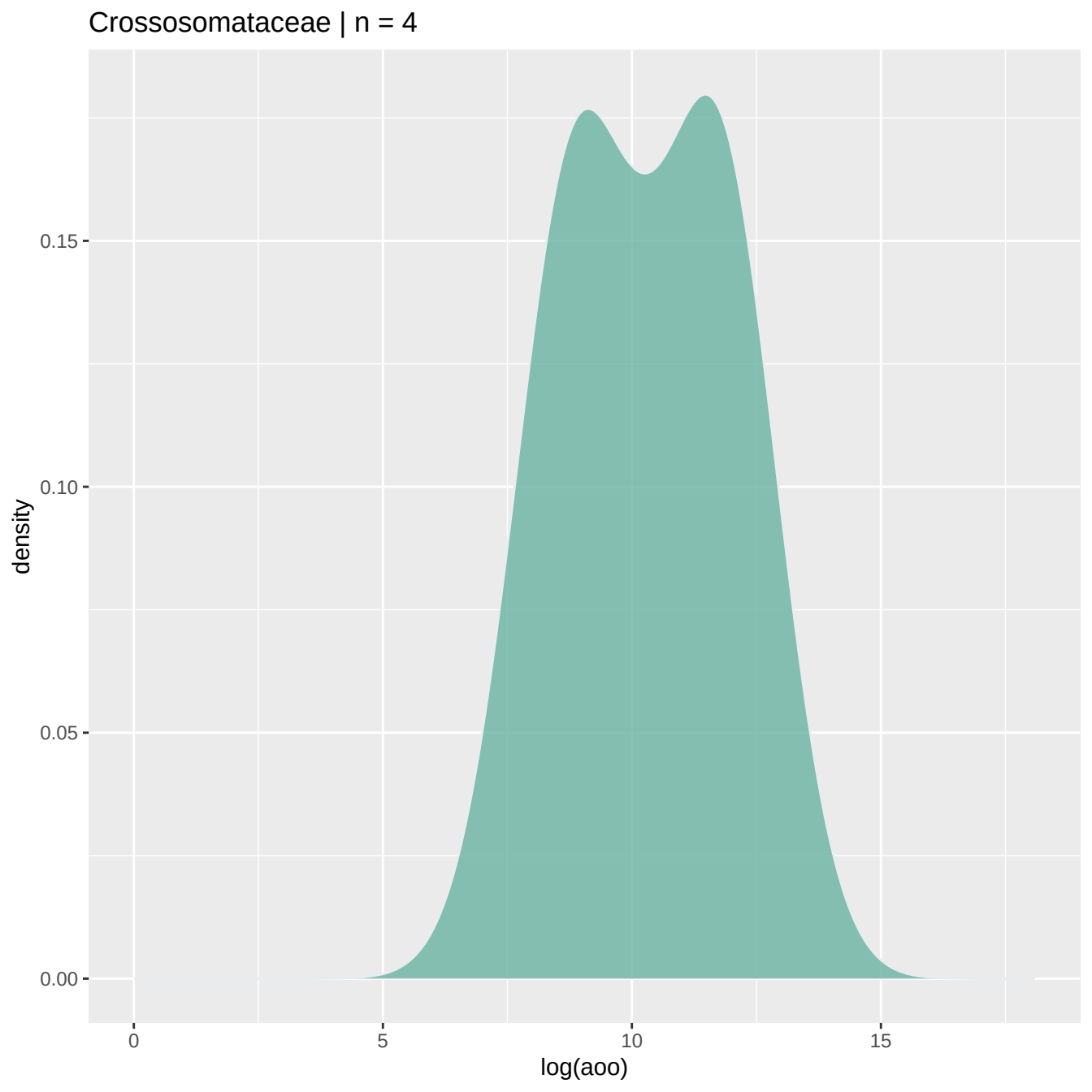

Anisophylleaceae | n = 5
0.6
0.4
0.2
0.0
density
0
5
10
15
log(aoo)

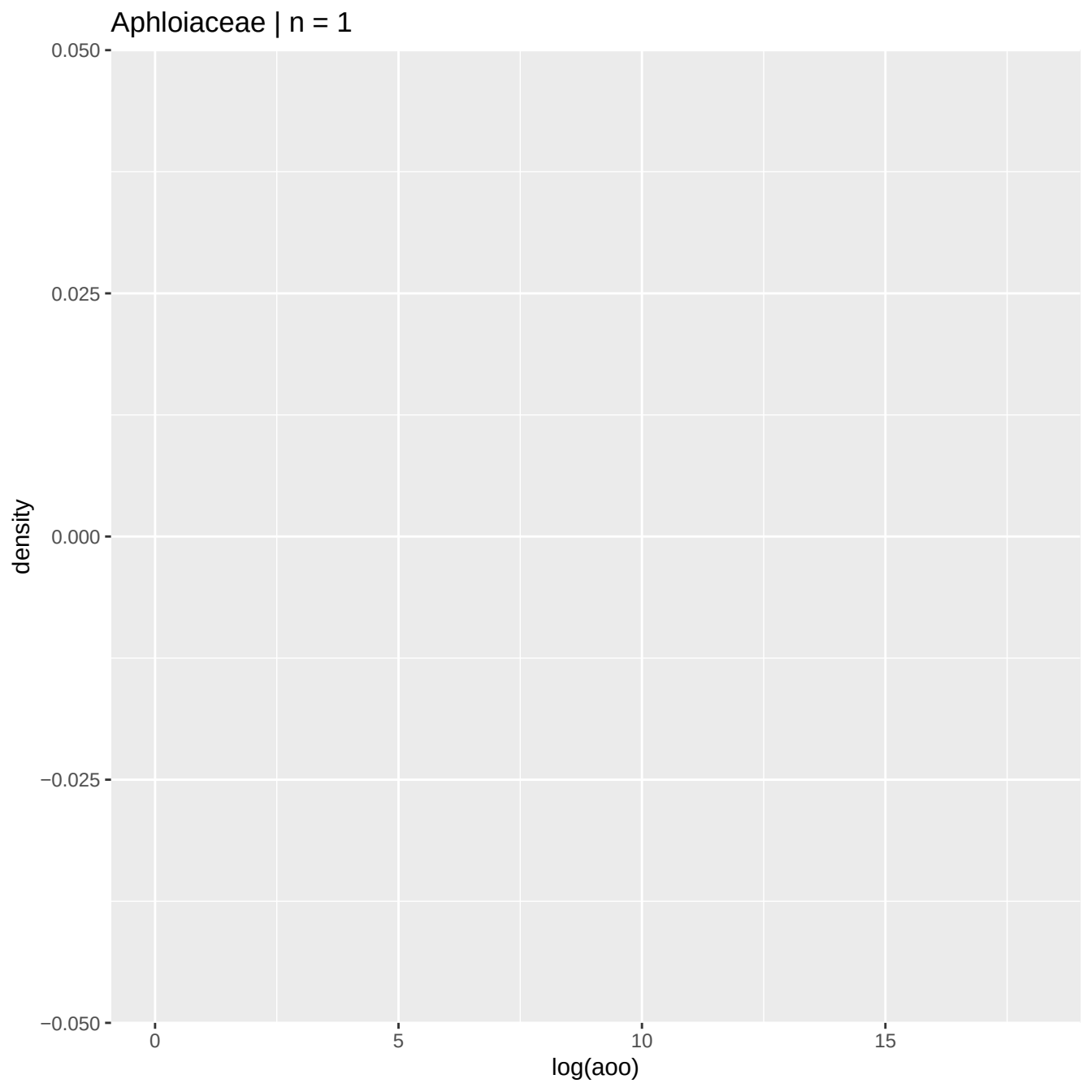

Dipterocarpaceae | n = 83
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)

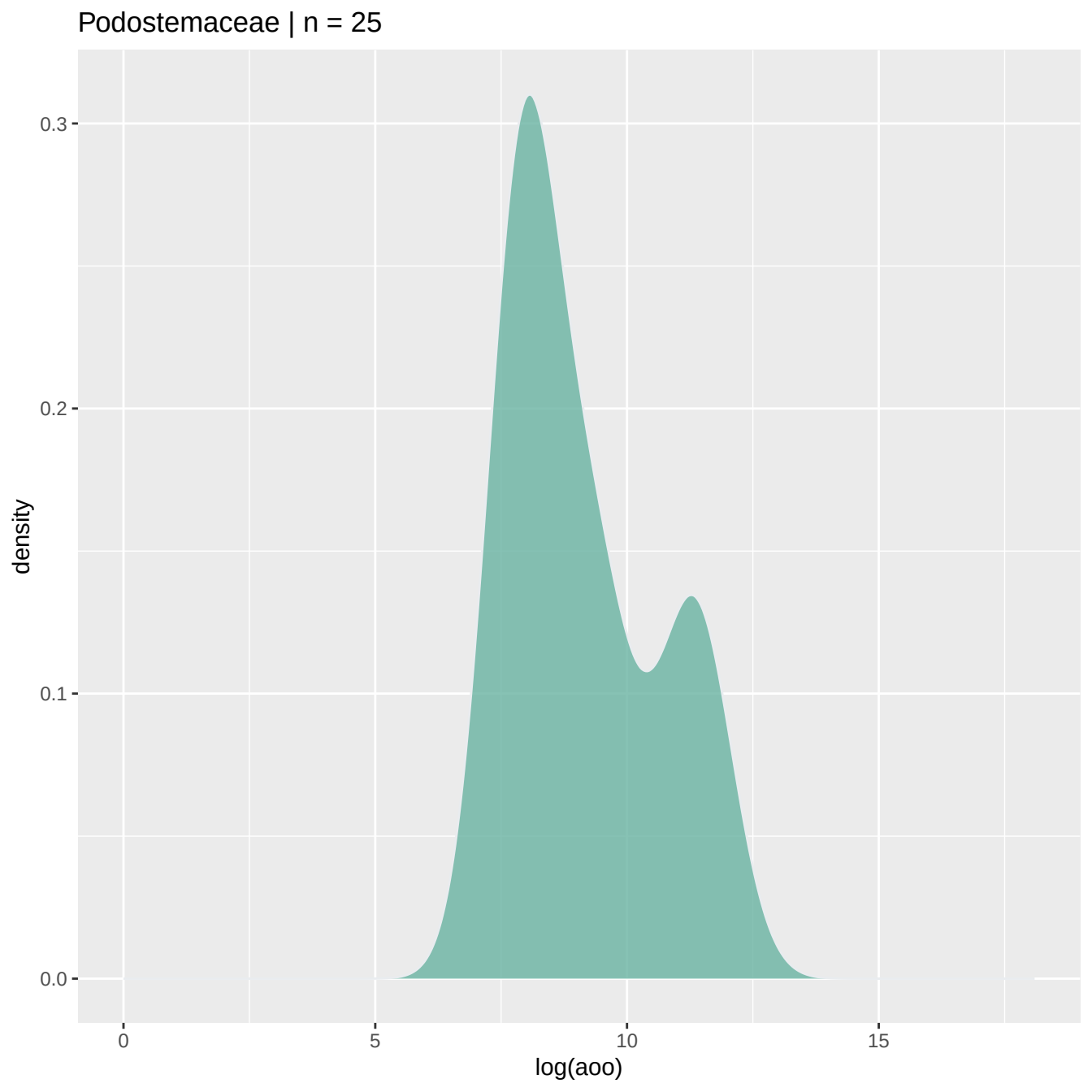

Restionaceae | n = 262
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)

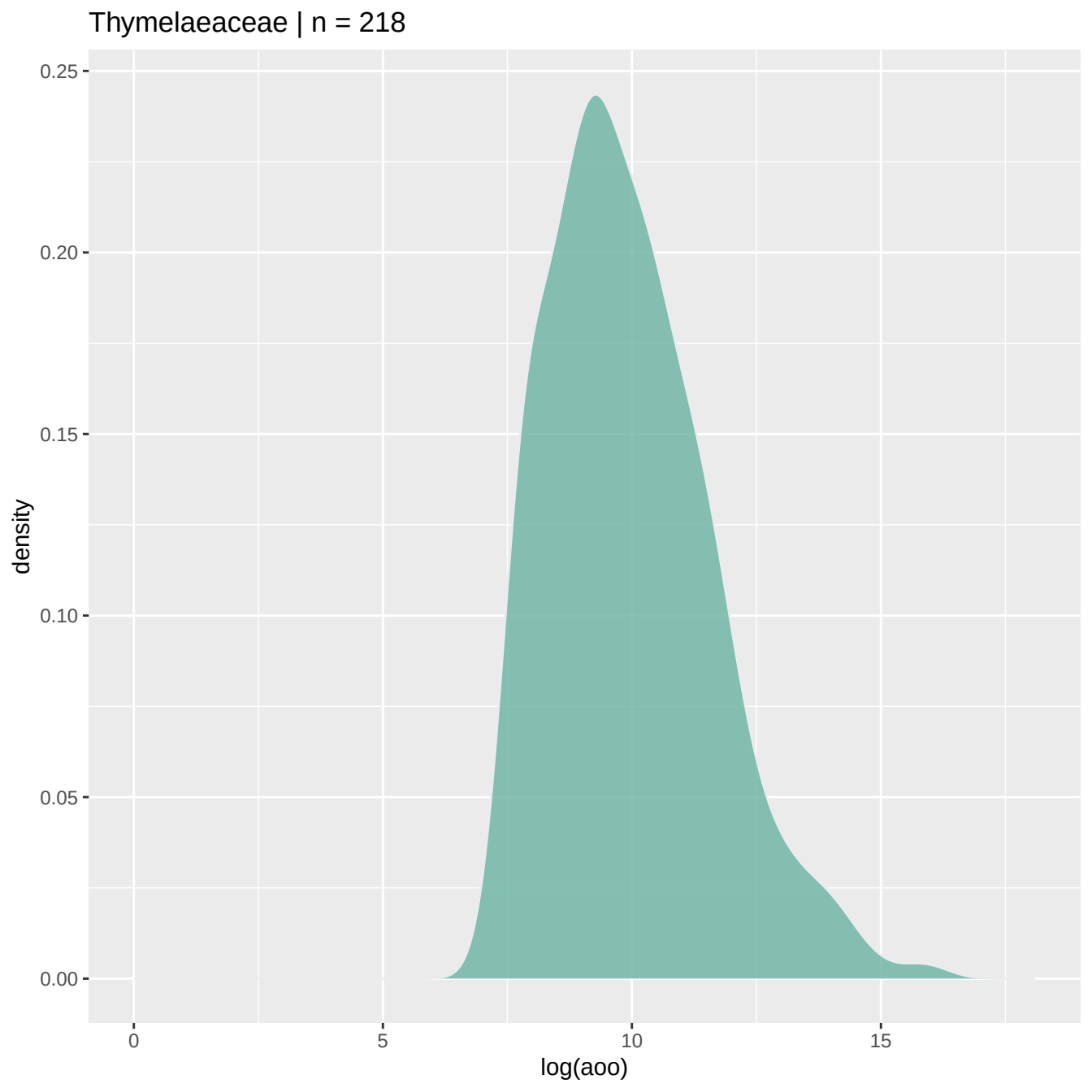

Caryocaraceae | n = 2
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

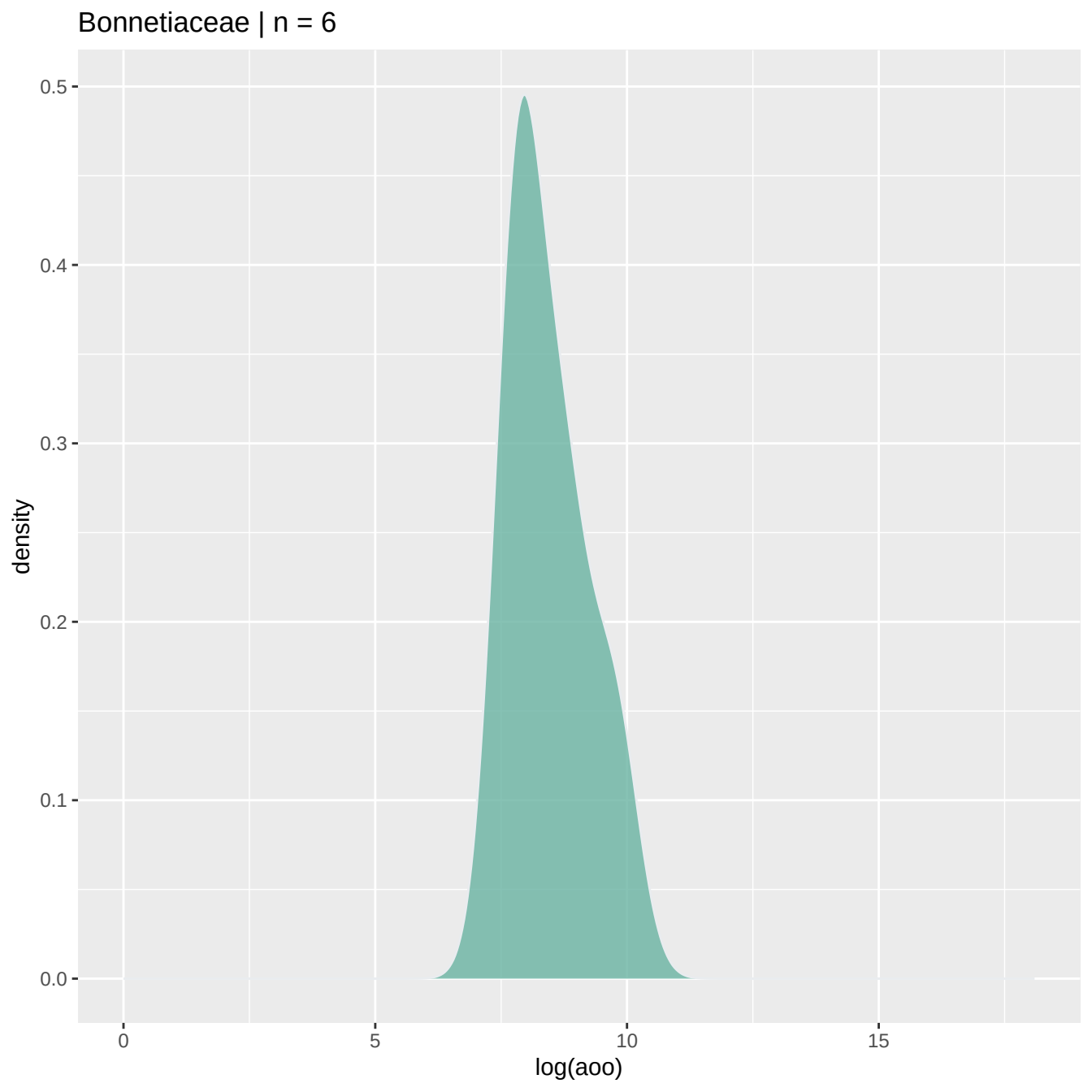

Moraceae | n = 612
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

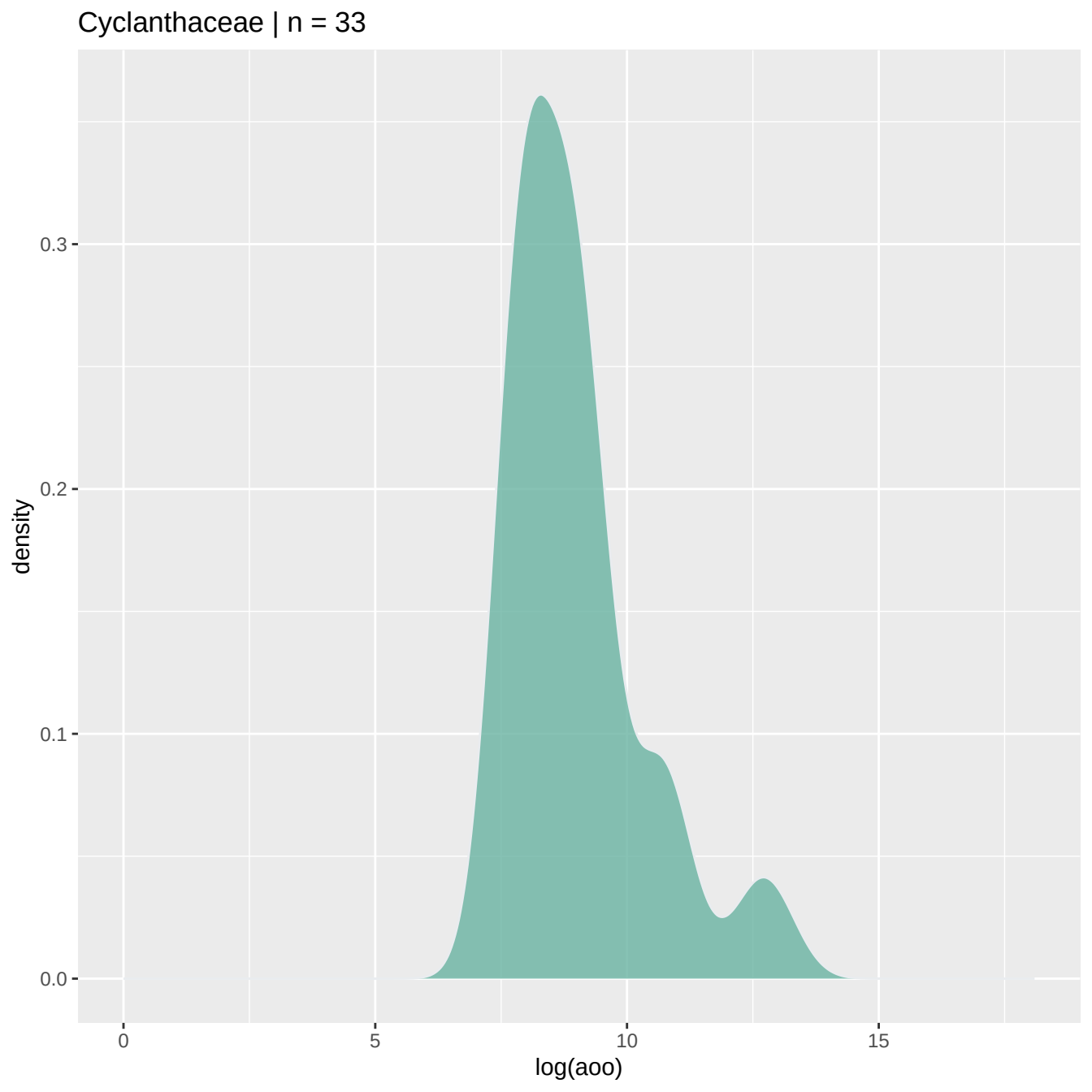

Crossosomataceae | n = 4
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

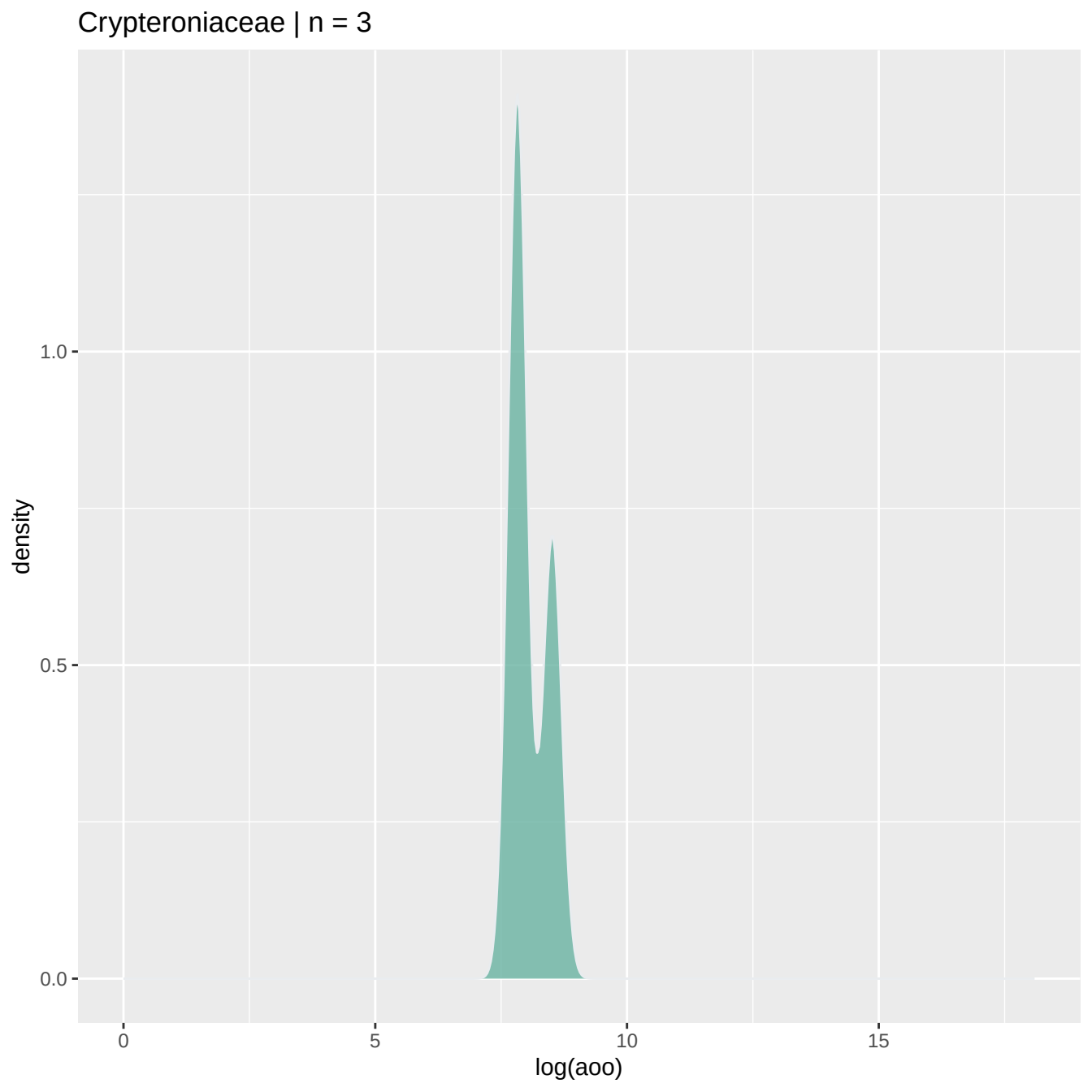

Aphloiaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

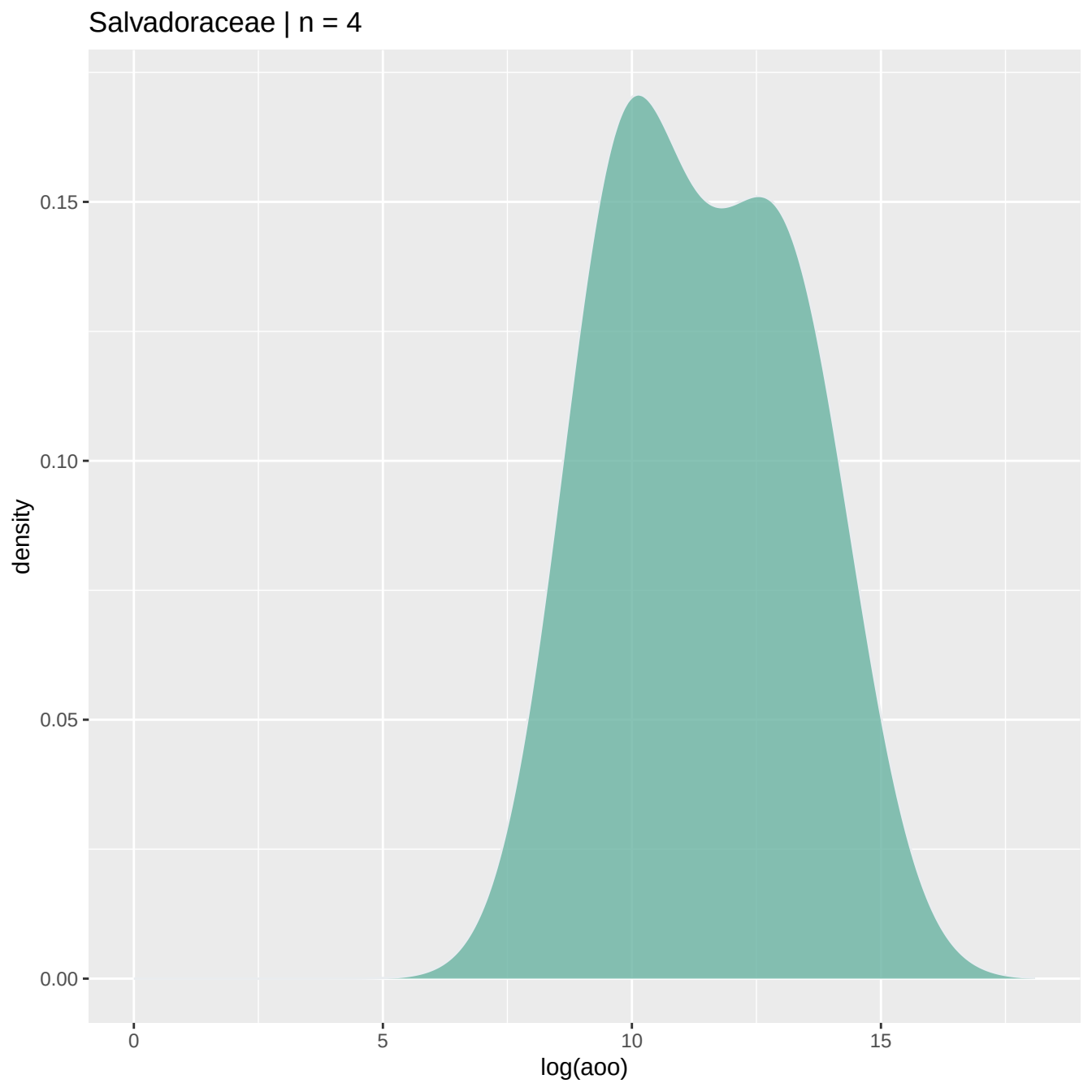

Podostemaceae | n = 25
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

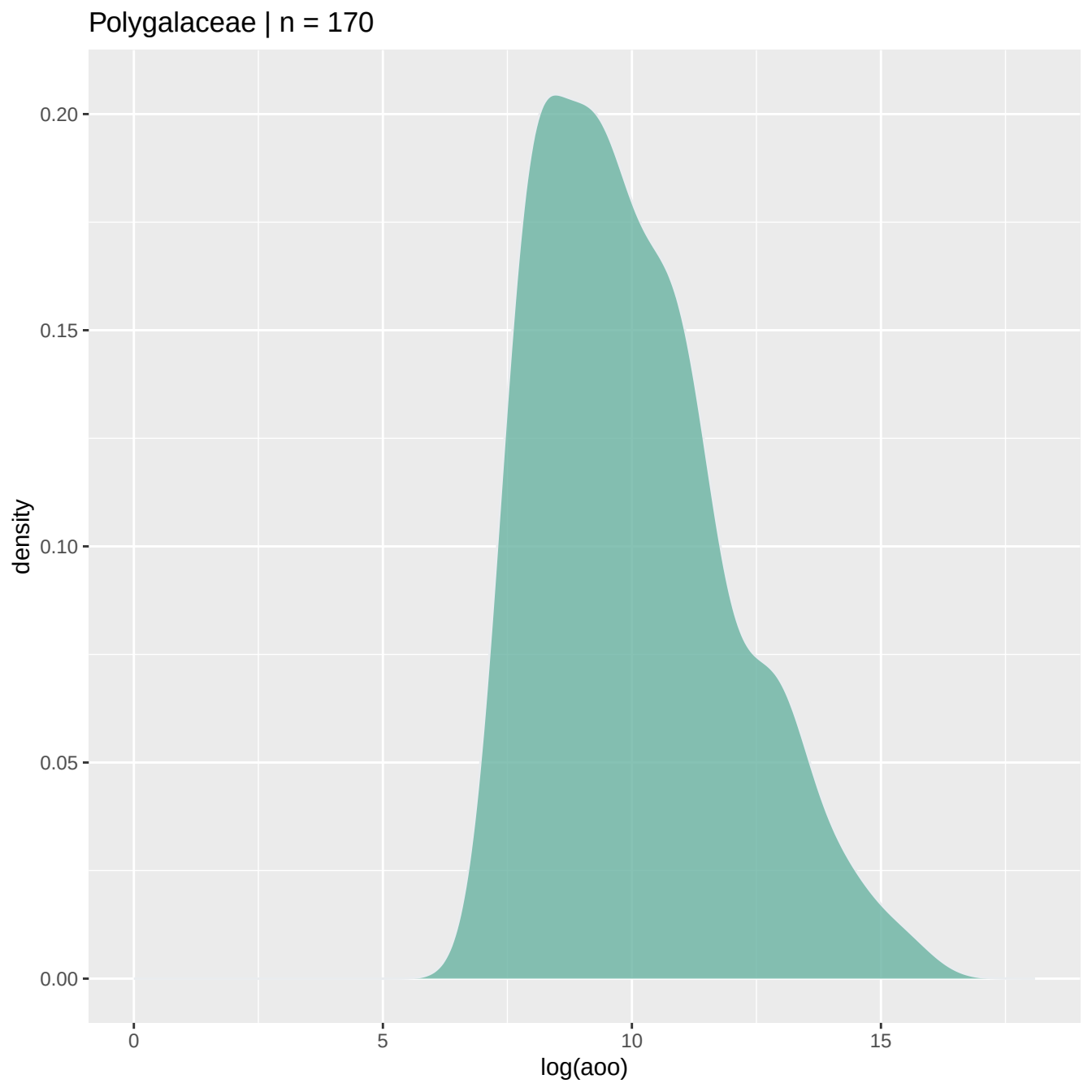

Thymelaeaceae | n = 218
0.25
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

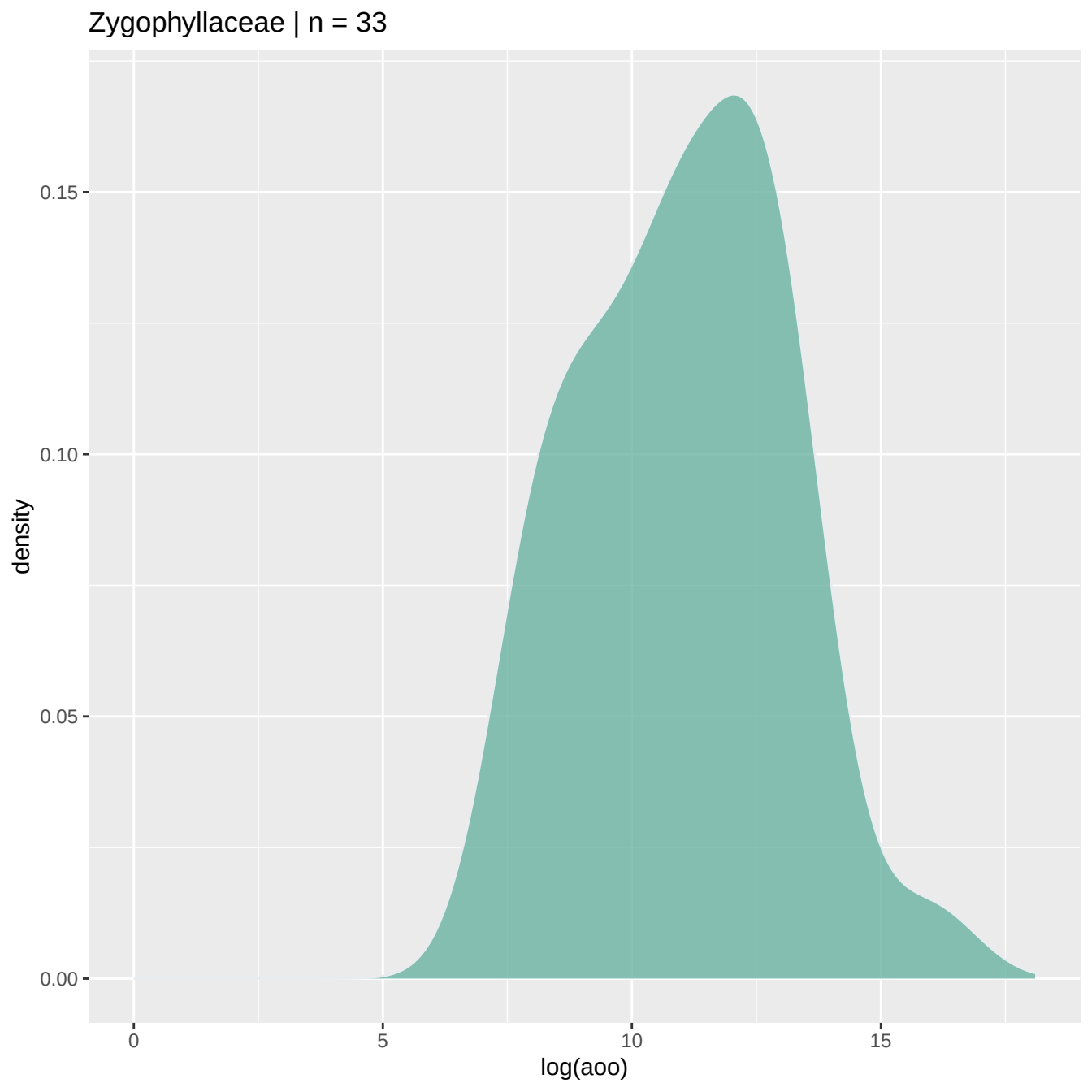

Bonnetiaceae | n = 6
density
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
log(aoo)

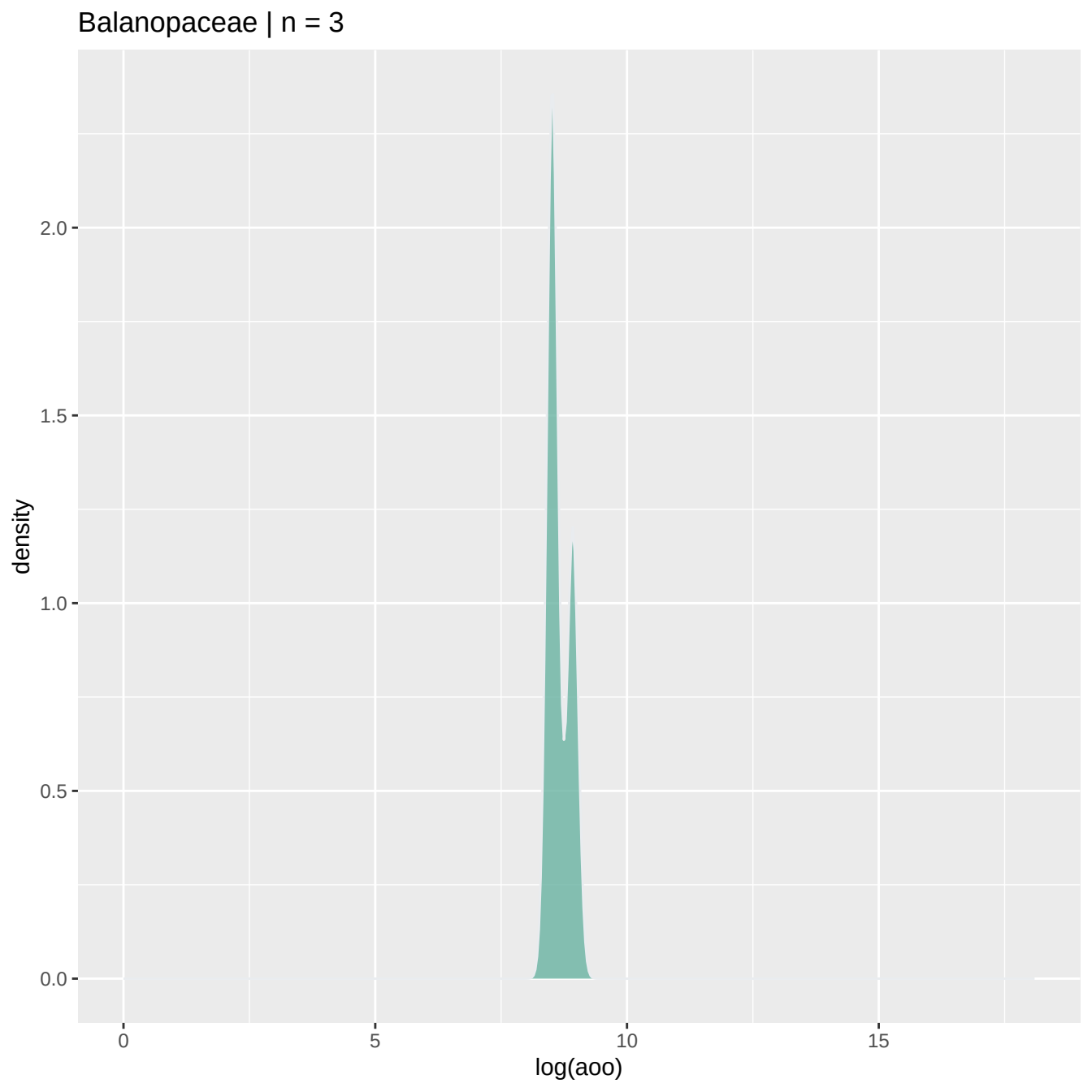

Cyclanthaceae | n = 33
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

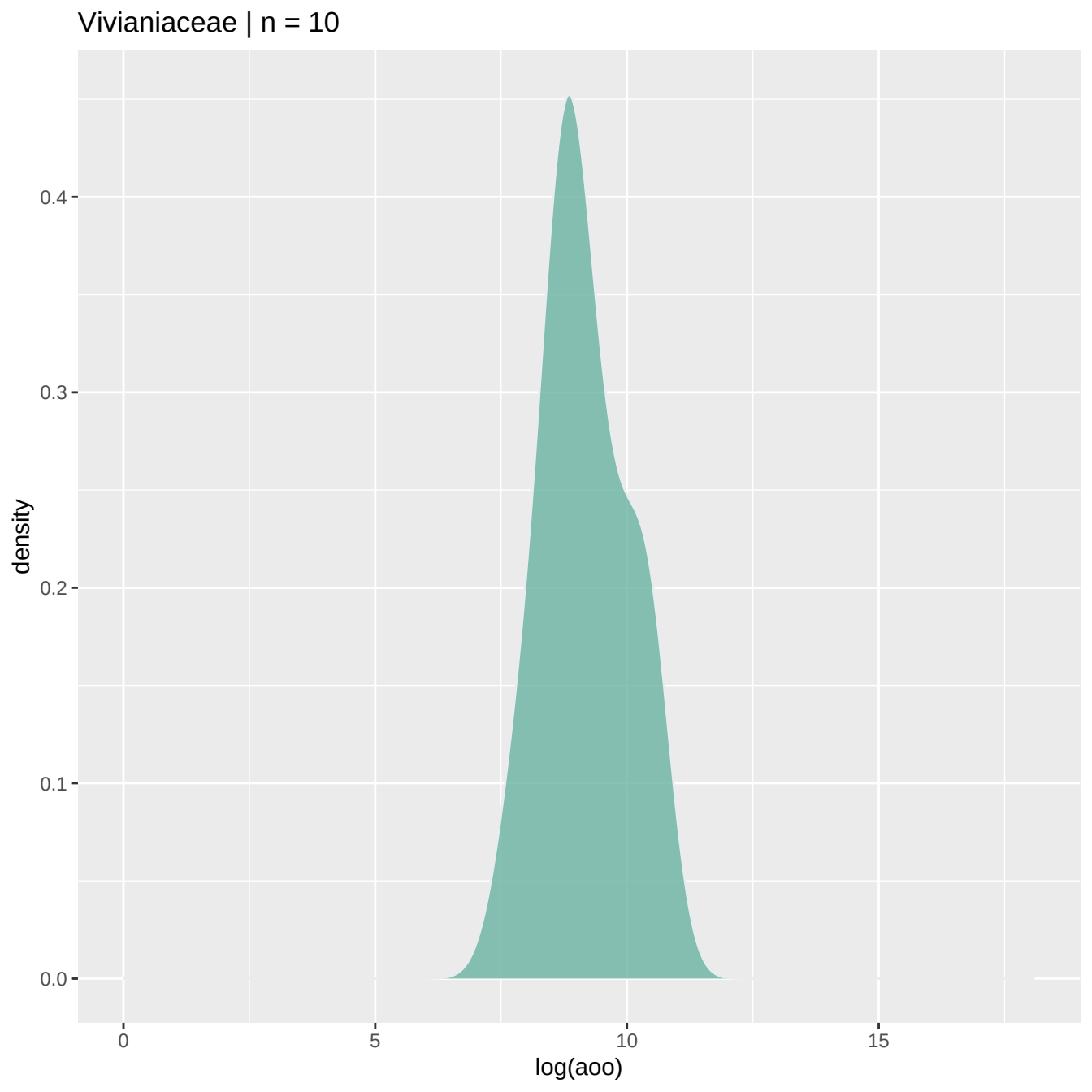

Crypteroniaceae | n = 3
density
1.0
0.5
0.0
0
5
10
15
log(aoo)

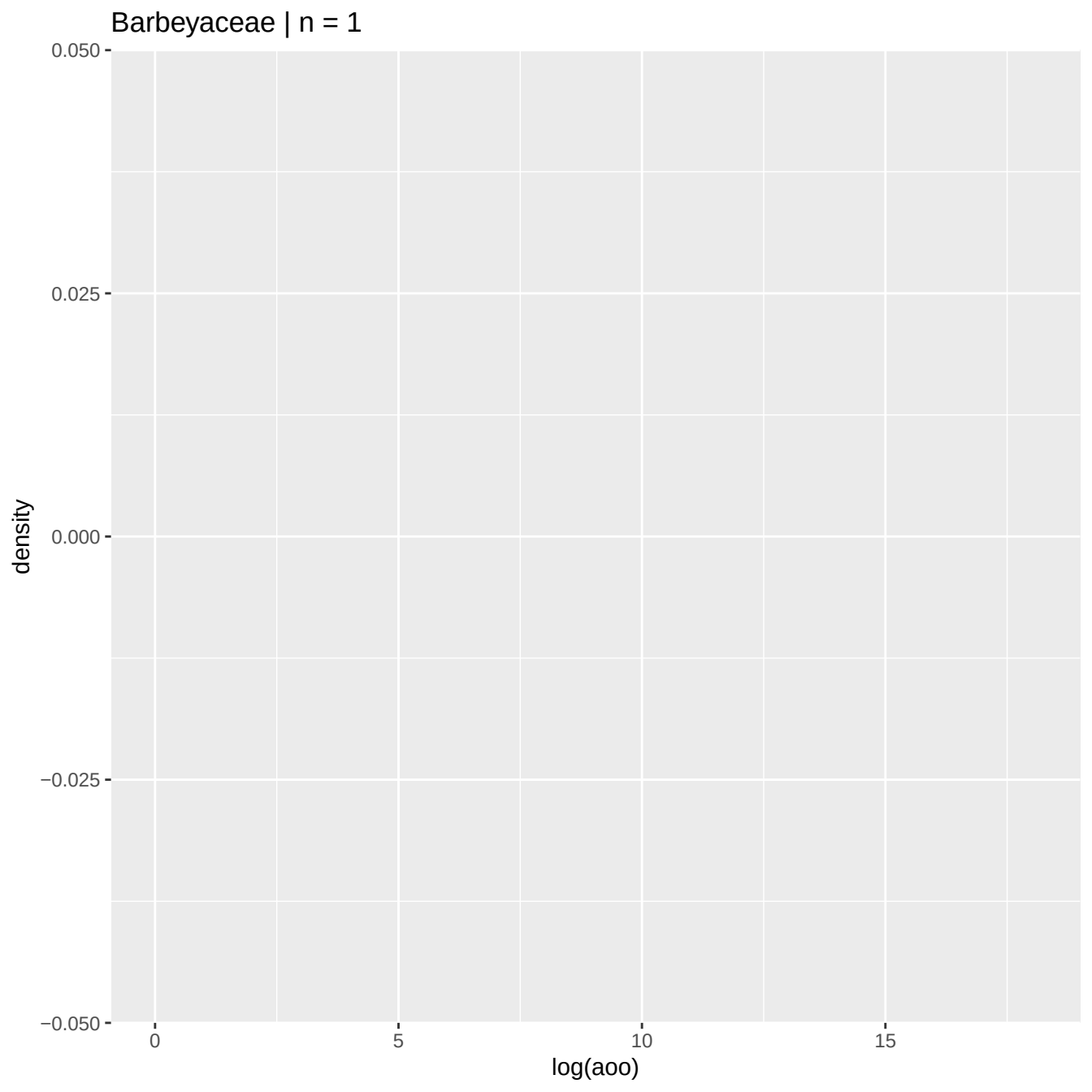

Salvadoraceae | n = 4
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

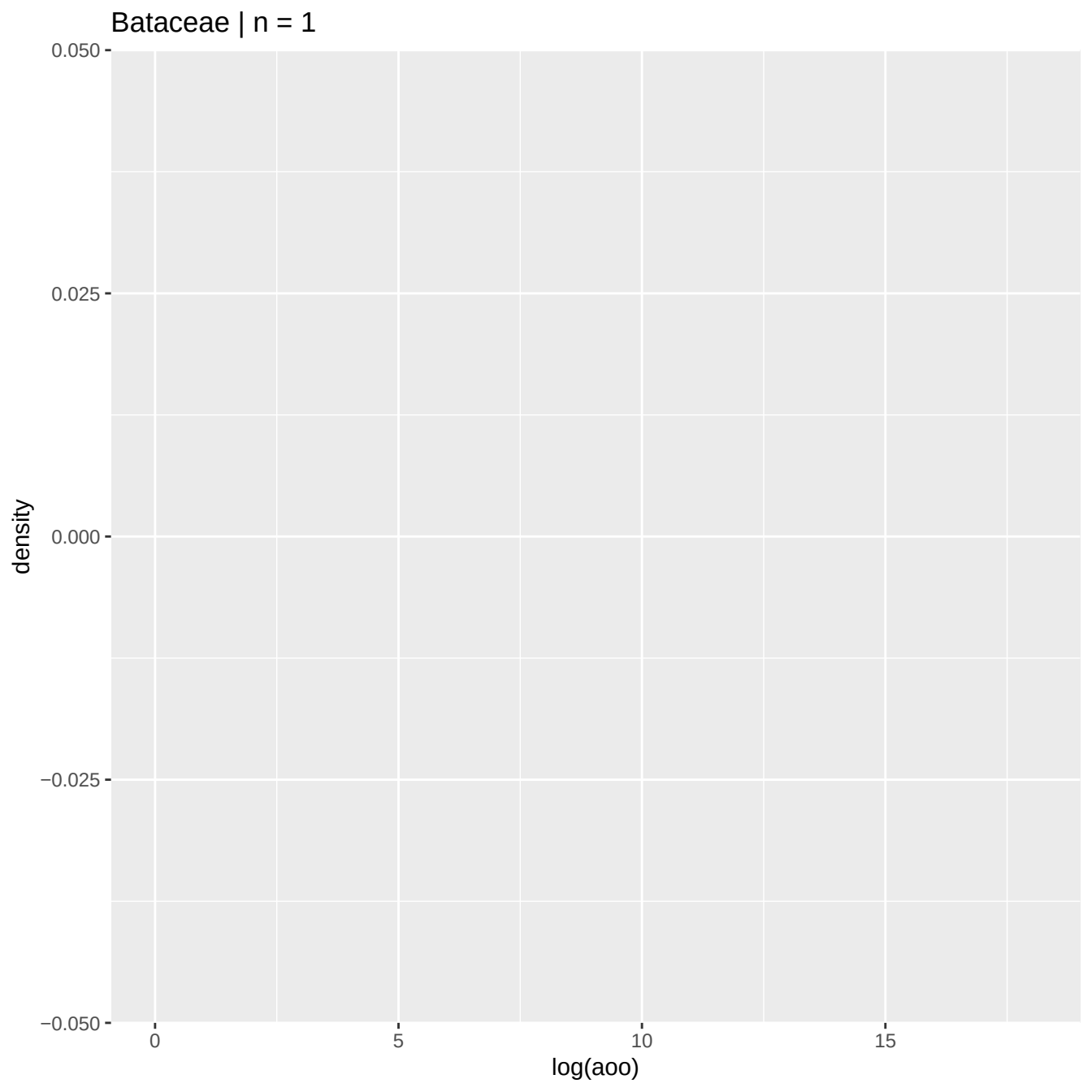

Polygalaceae | n = 170
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

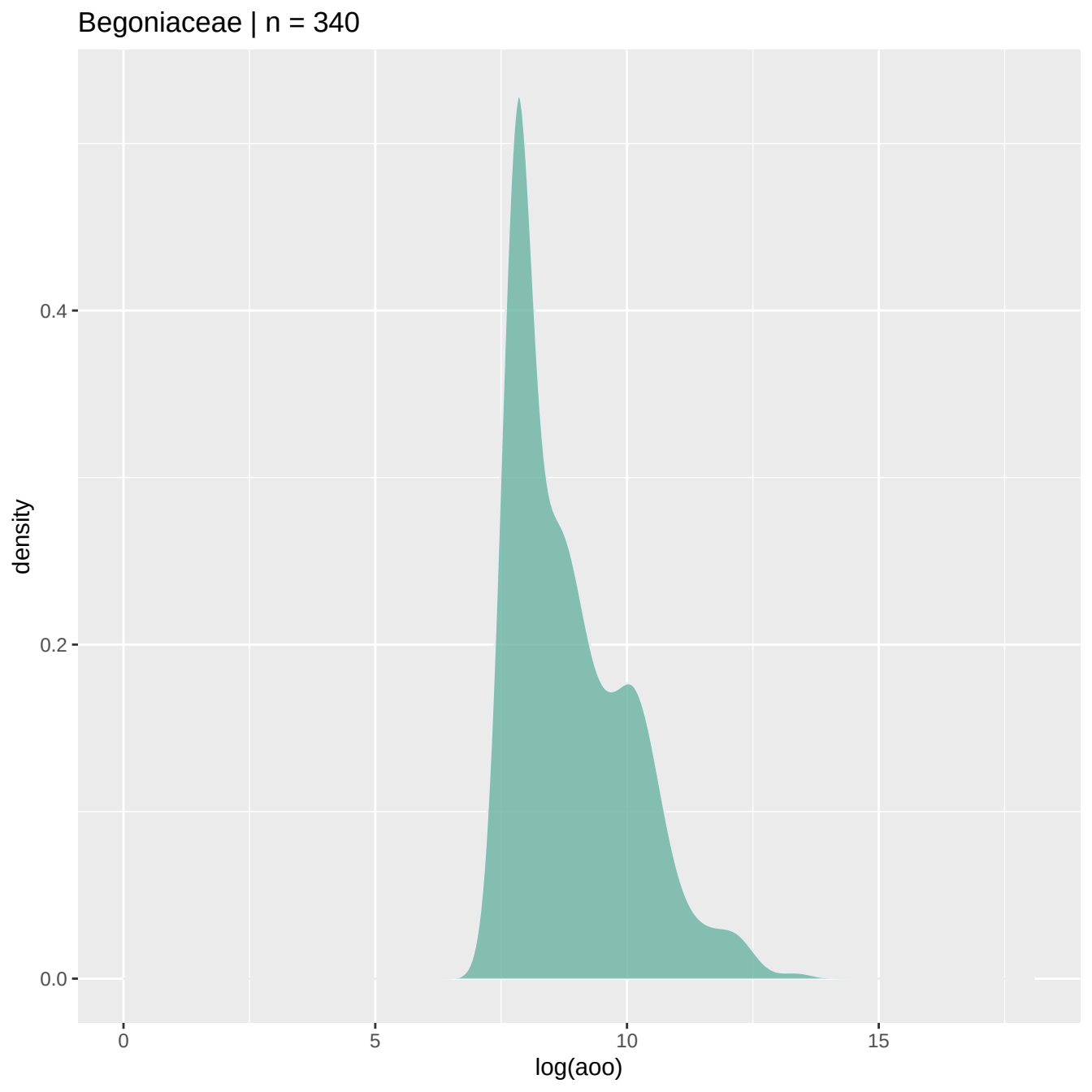

Zygophyllaceae | n = 33
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

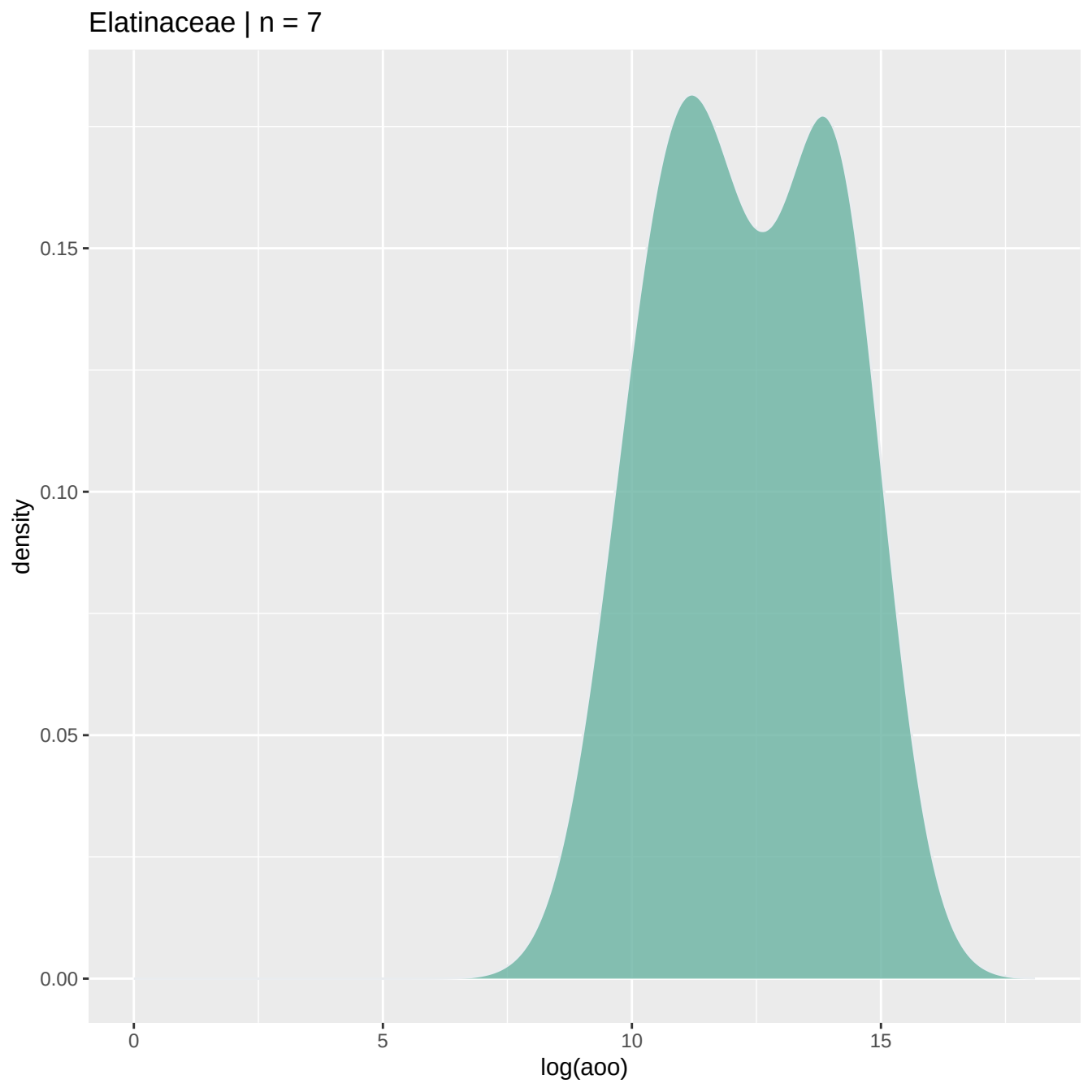

Balanopaceae | n = 3
density
2.0
1.5
1.0
0.5
0.0
0
5
10
15
log(aoo)

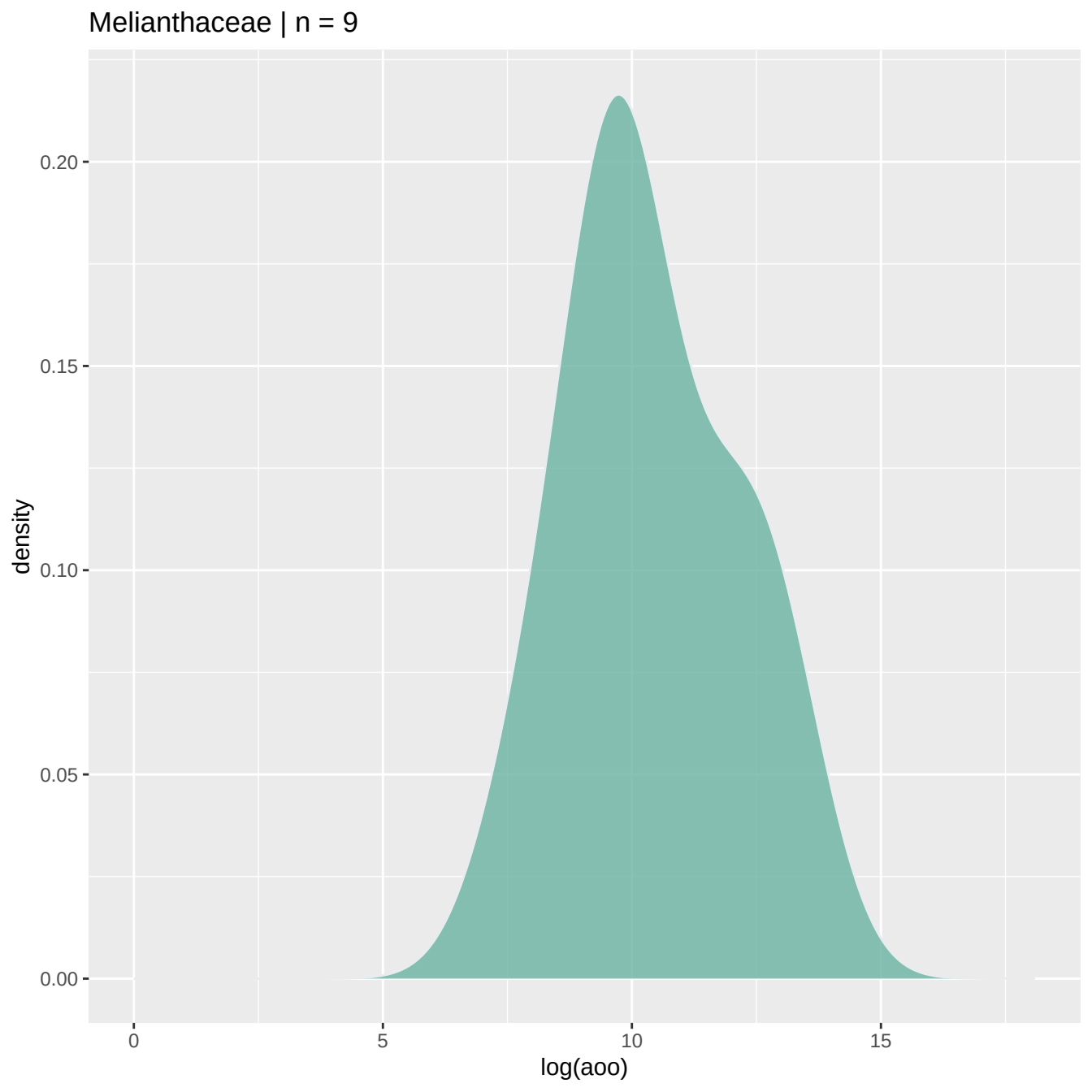

Vivianiaceae | n = 10
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)

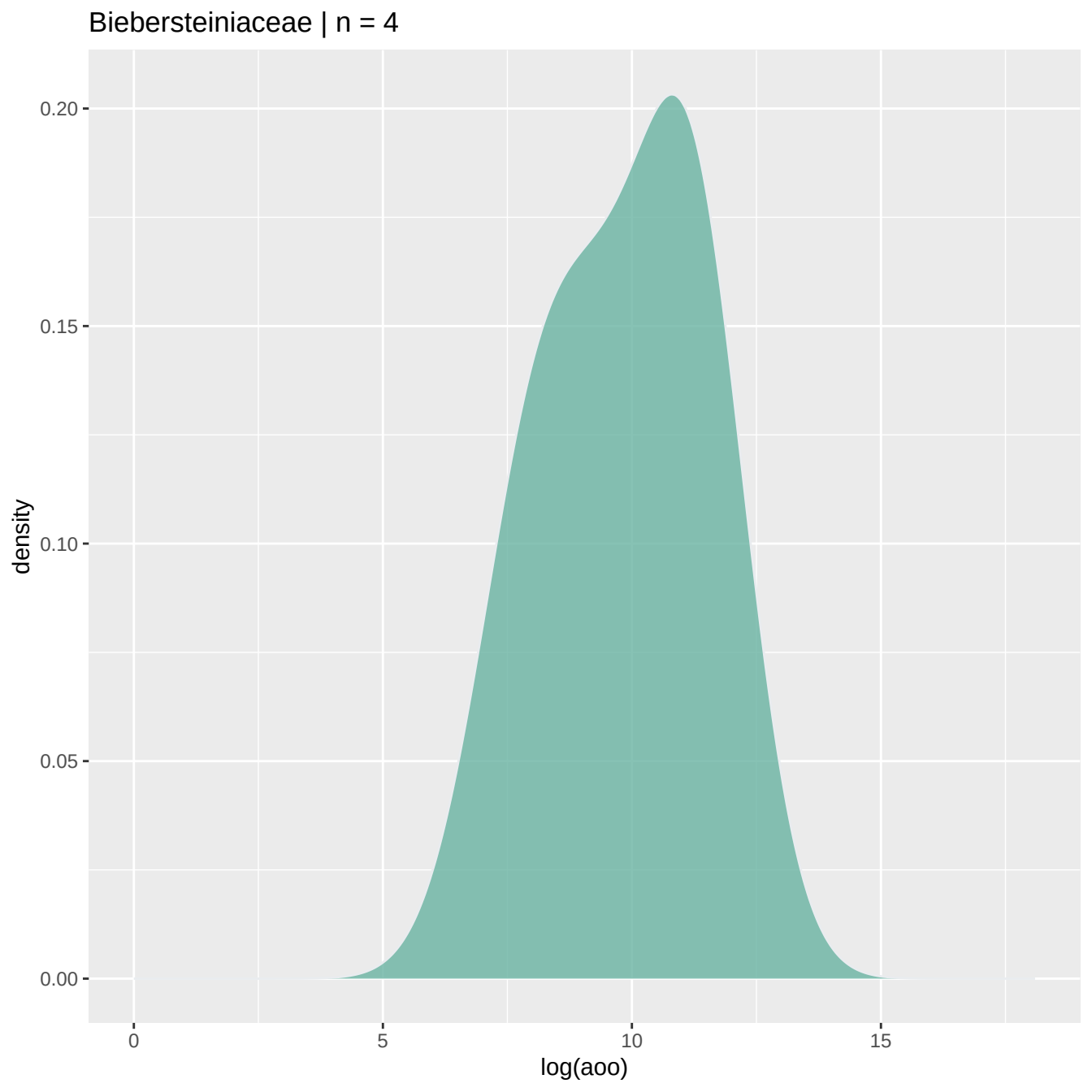

Barbeyaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

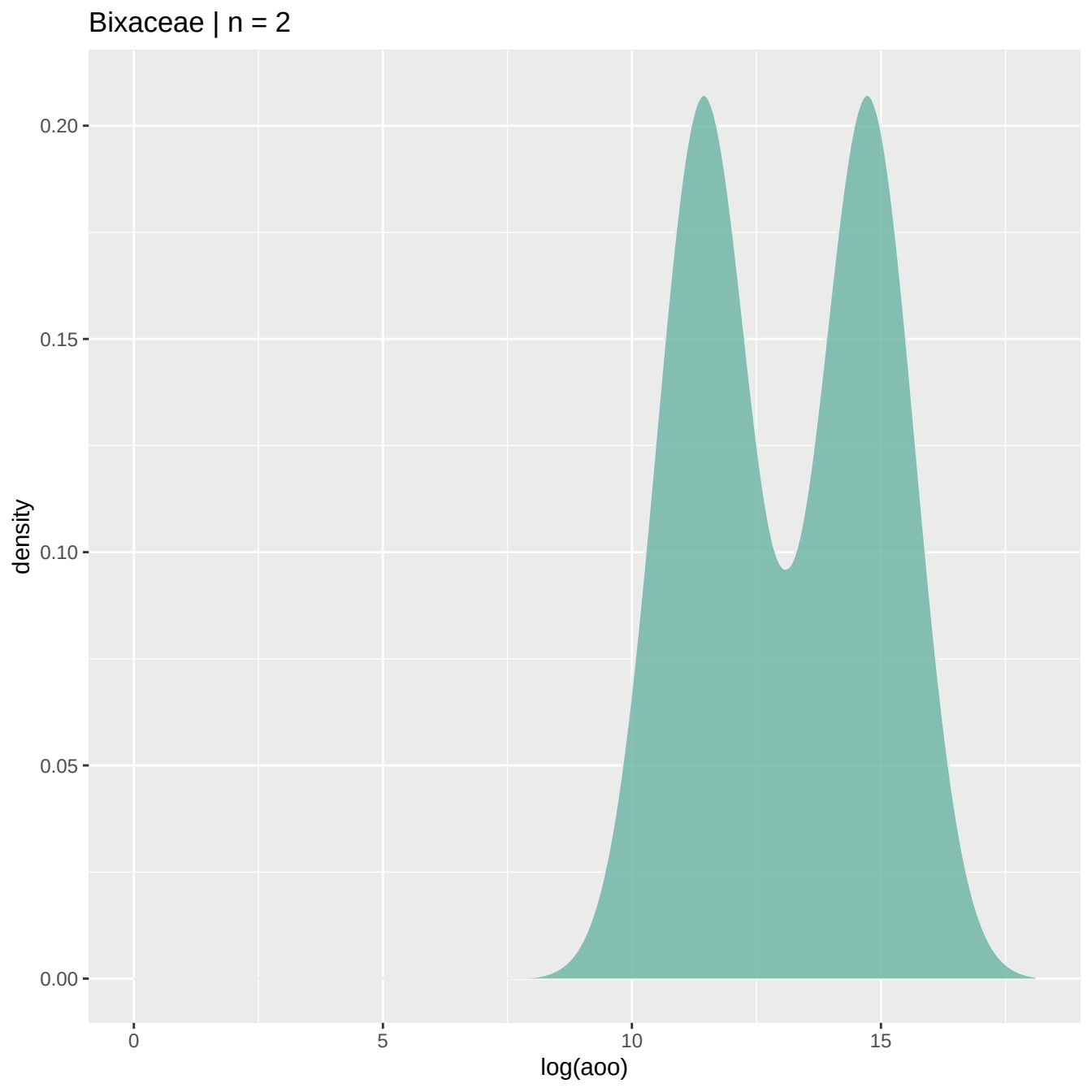

Bataceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

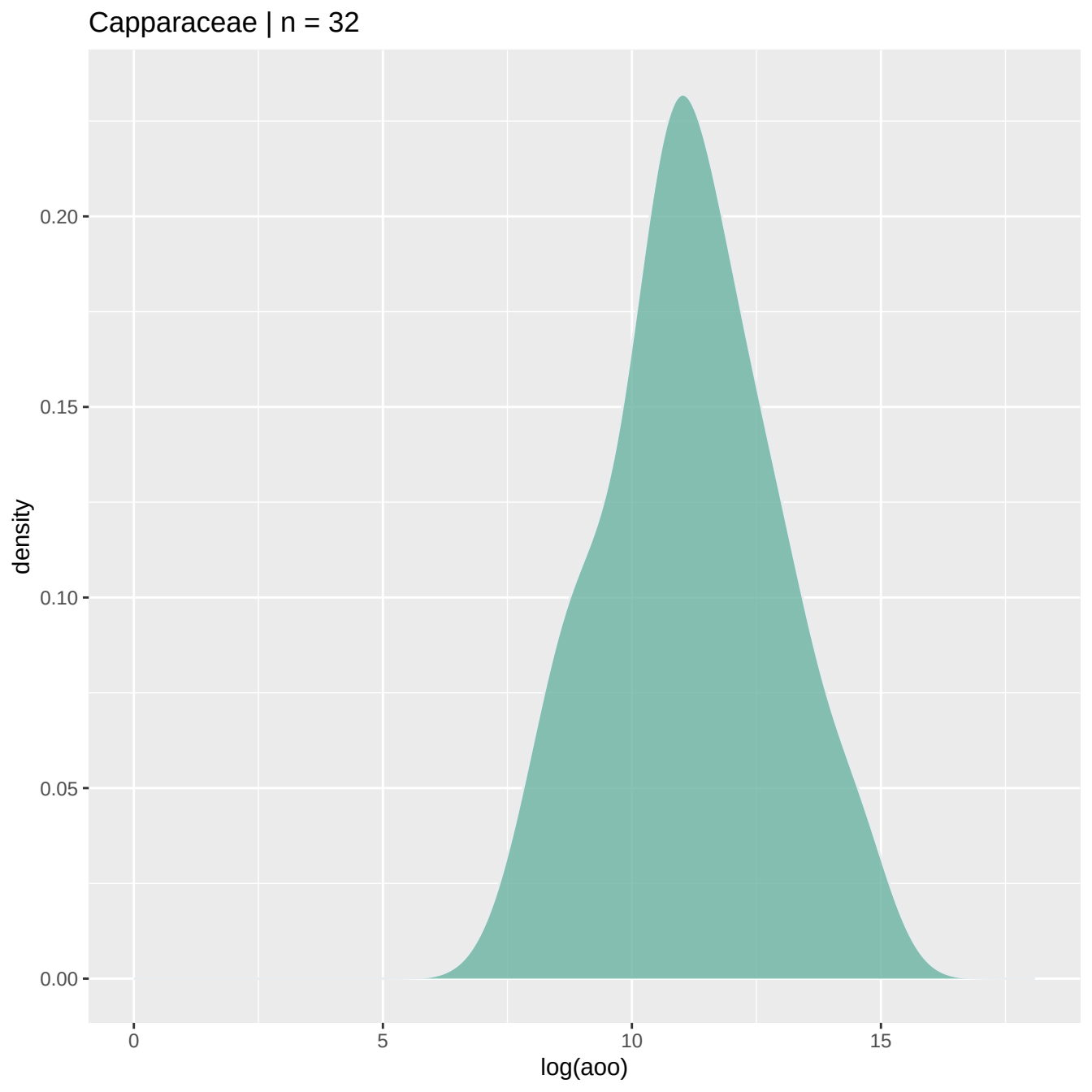

Begoniaceae | n = 340
density
0.4
0.2
0.0
0
5
10
15
log(aoo)

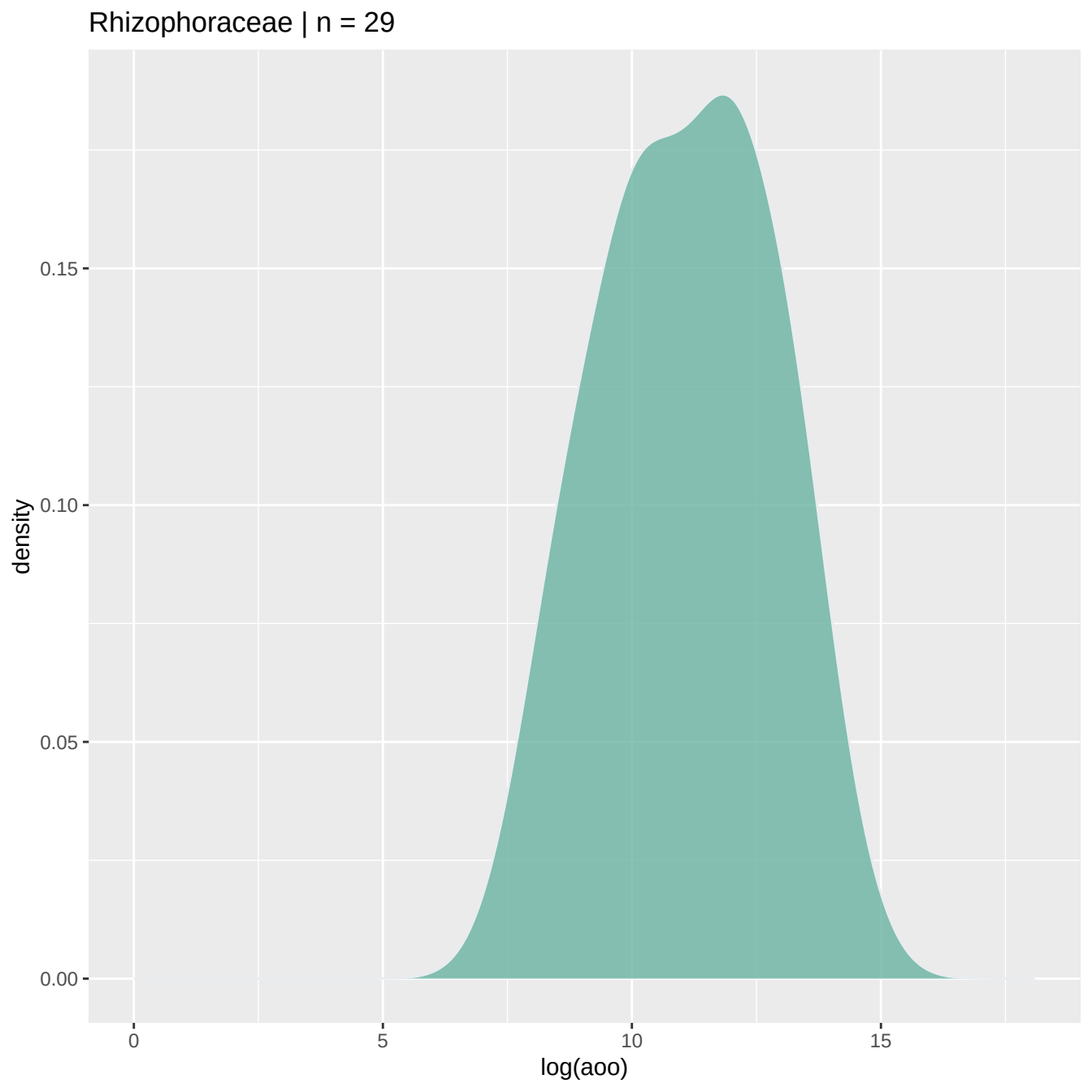

Elatinaceae | n = 7
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

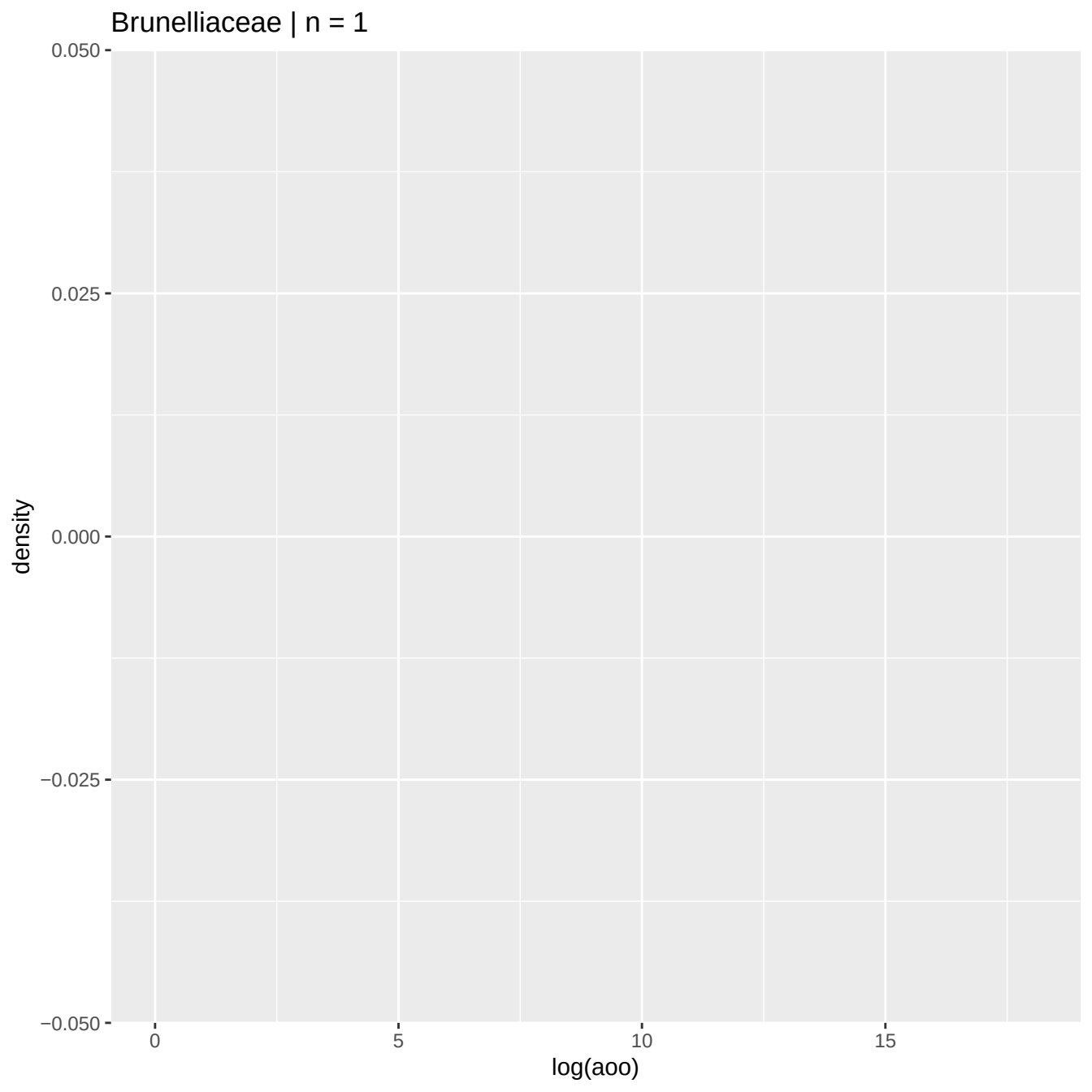

Melianthaceae | n = 9
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

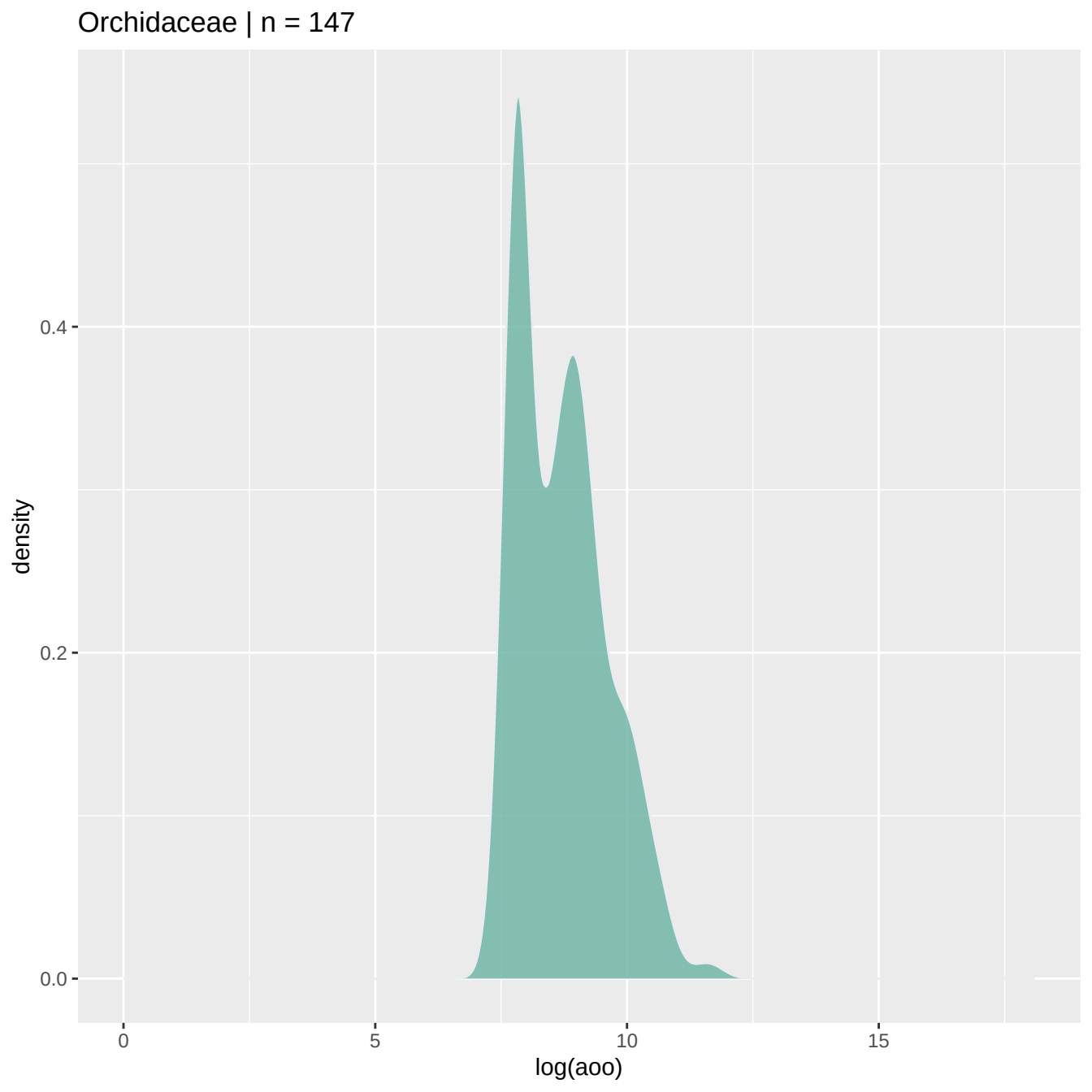

Biebersteiniaceae | n = 4
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

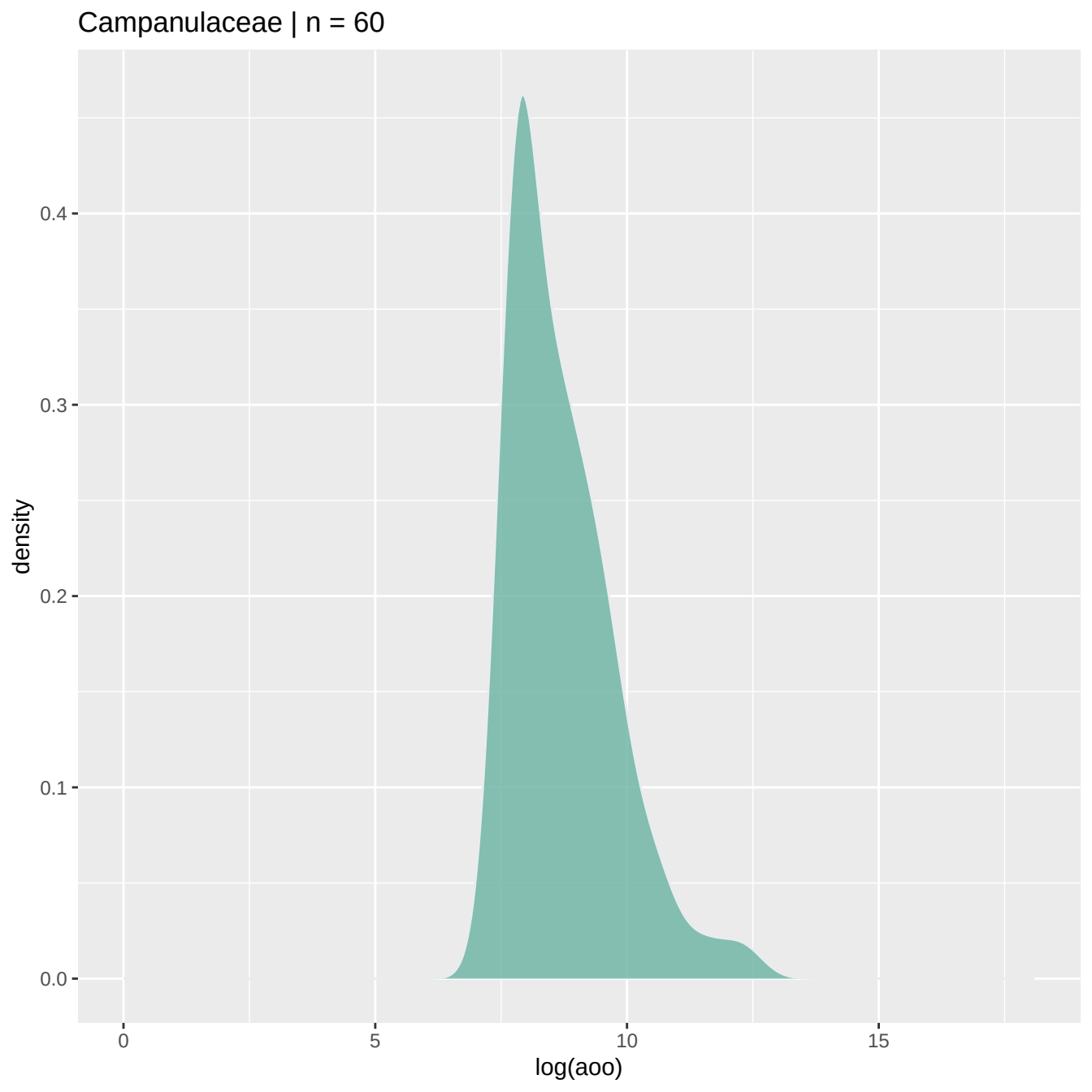

Bixaceae | n = 2
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

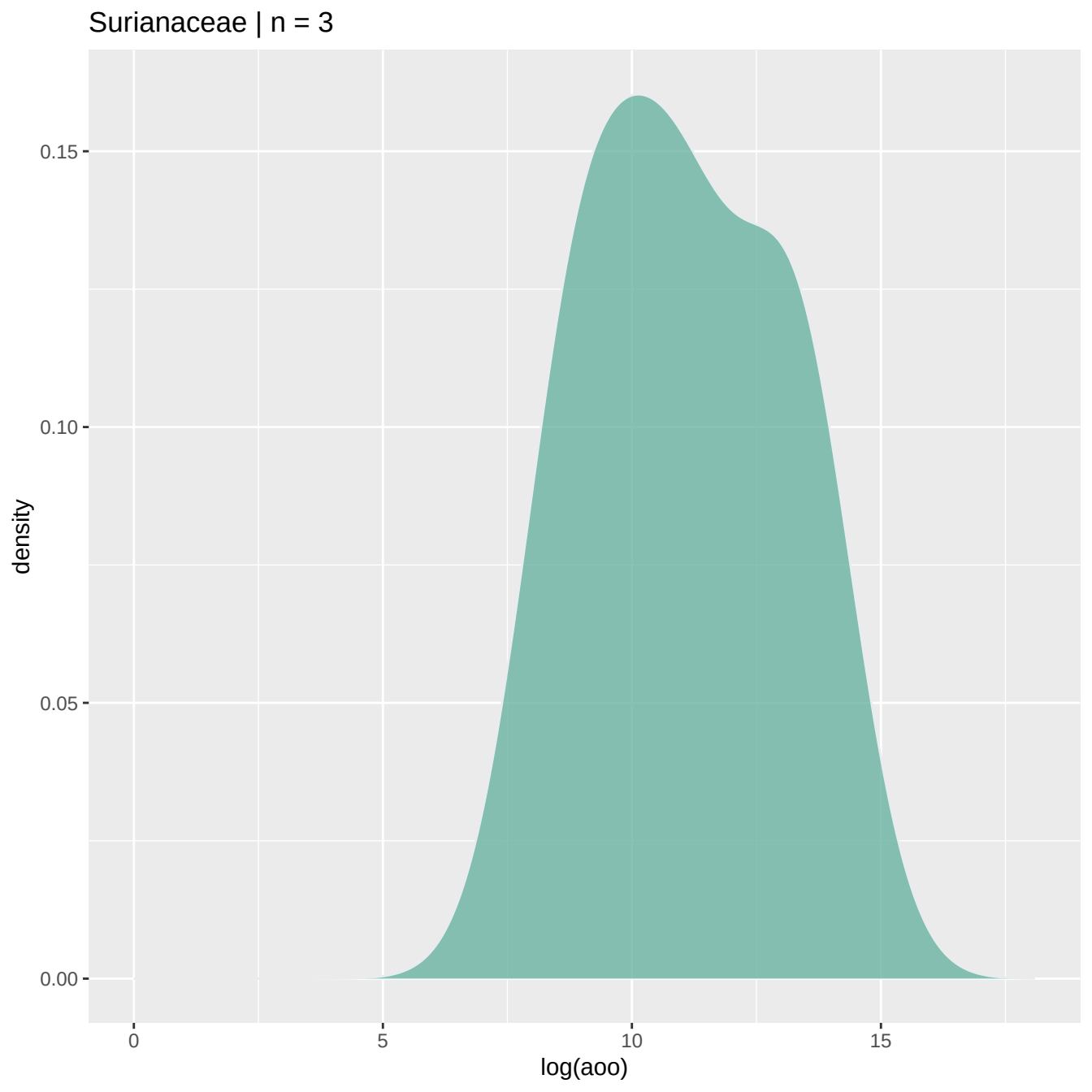

Capparaceae | n = 32
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

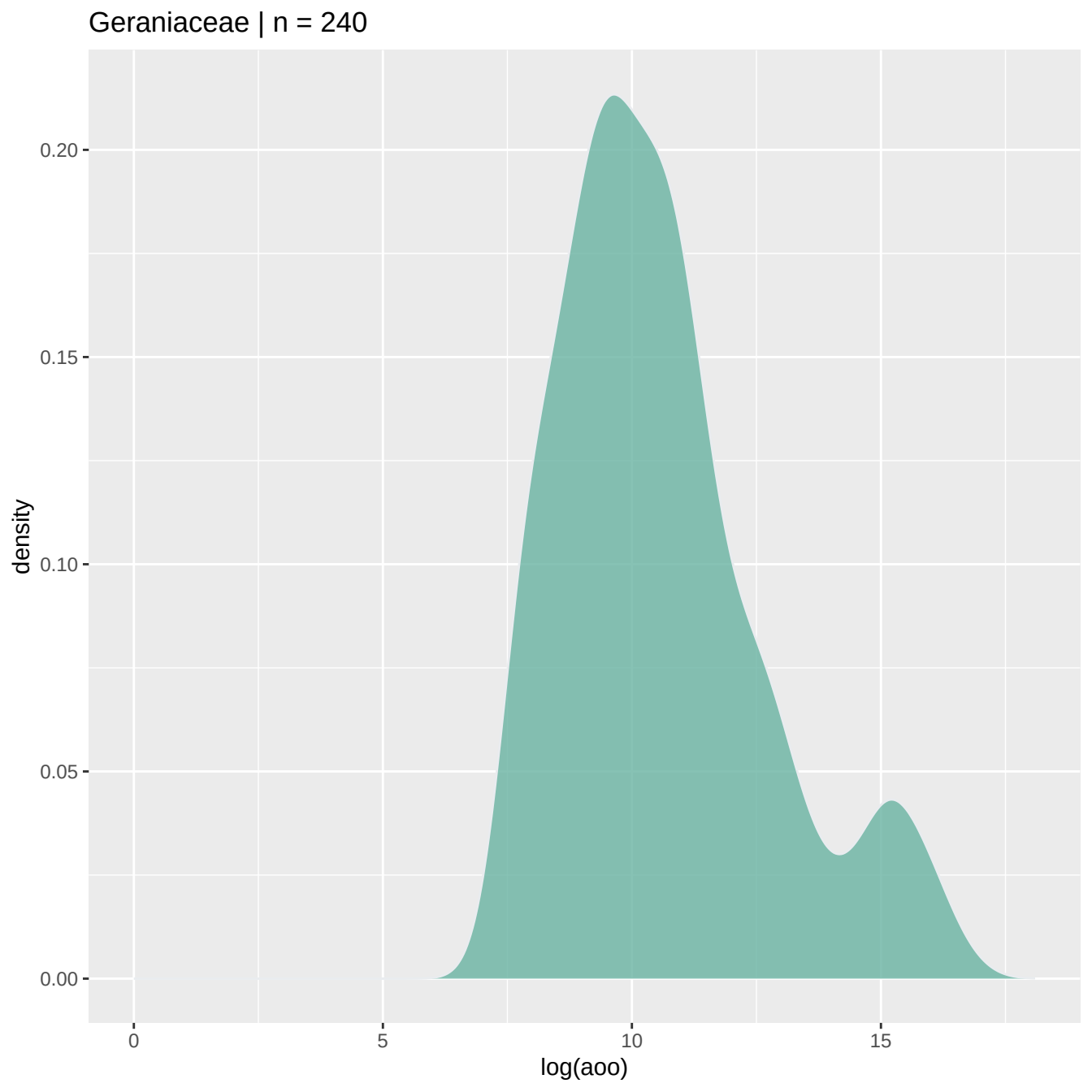

Rhizophoraceae | n = 29
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

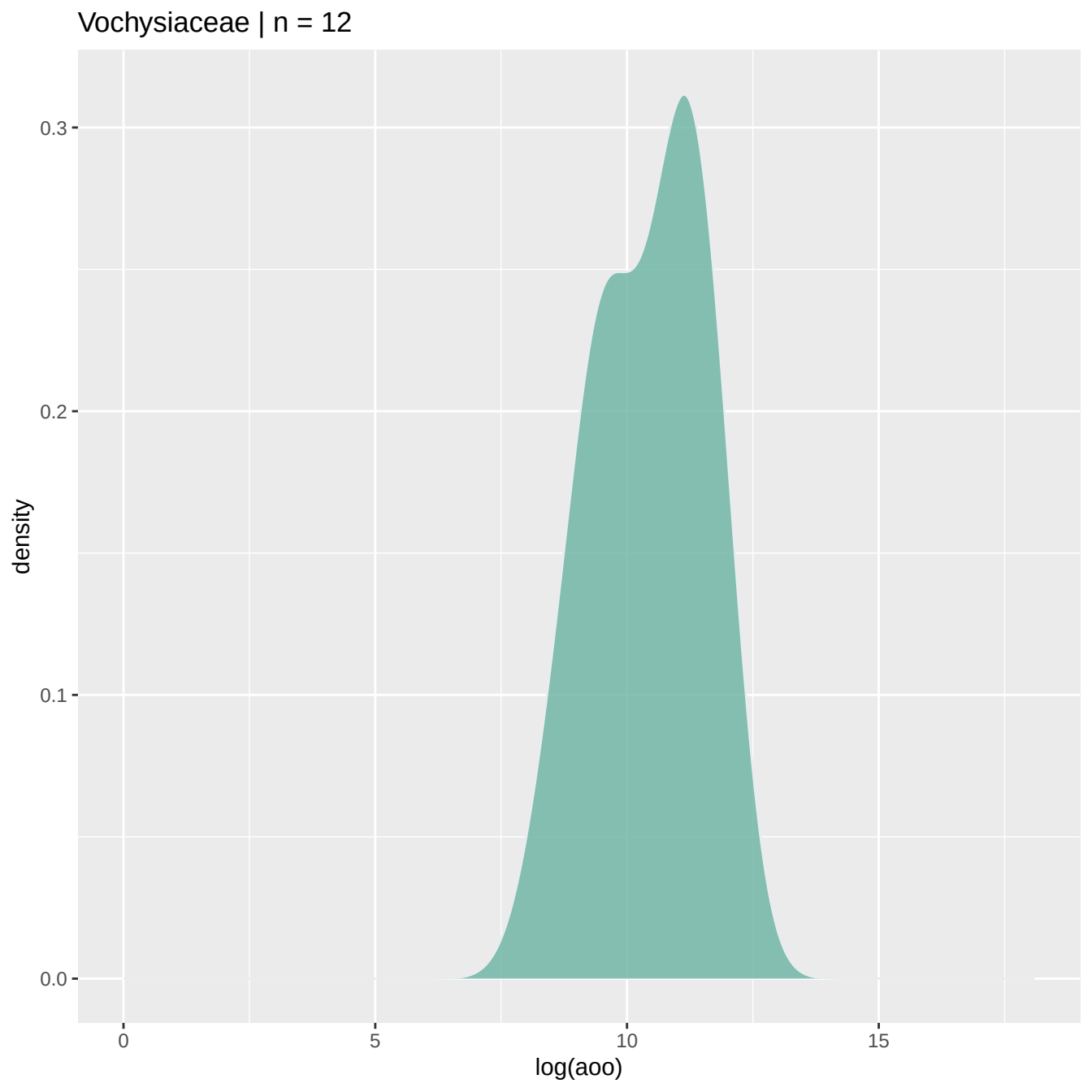

Brunelliaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

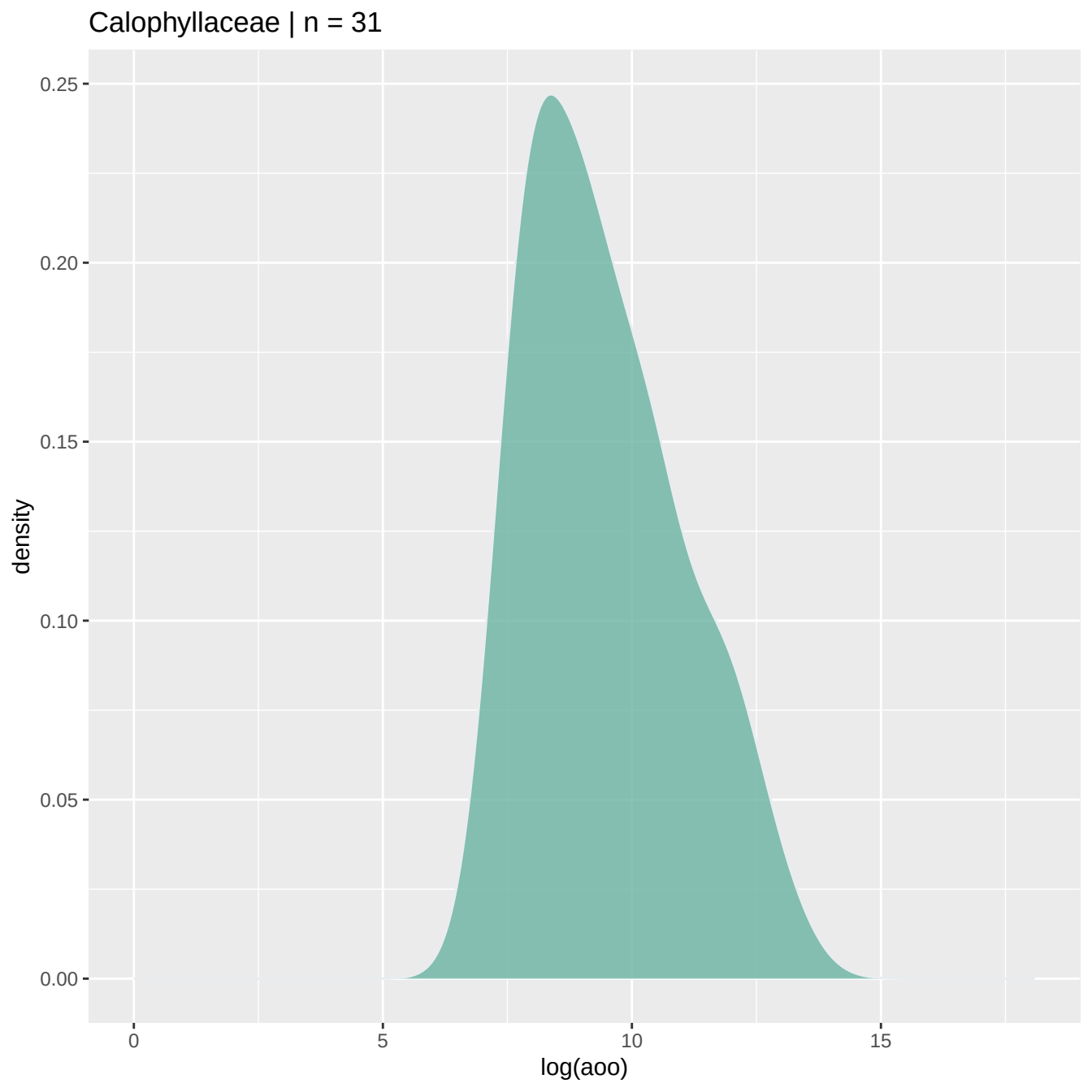

Orchidaceae | n = 147
density
0.4
0.2
0.0
0
5
10
15
log(aoo)

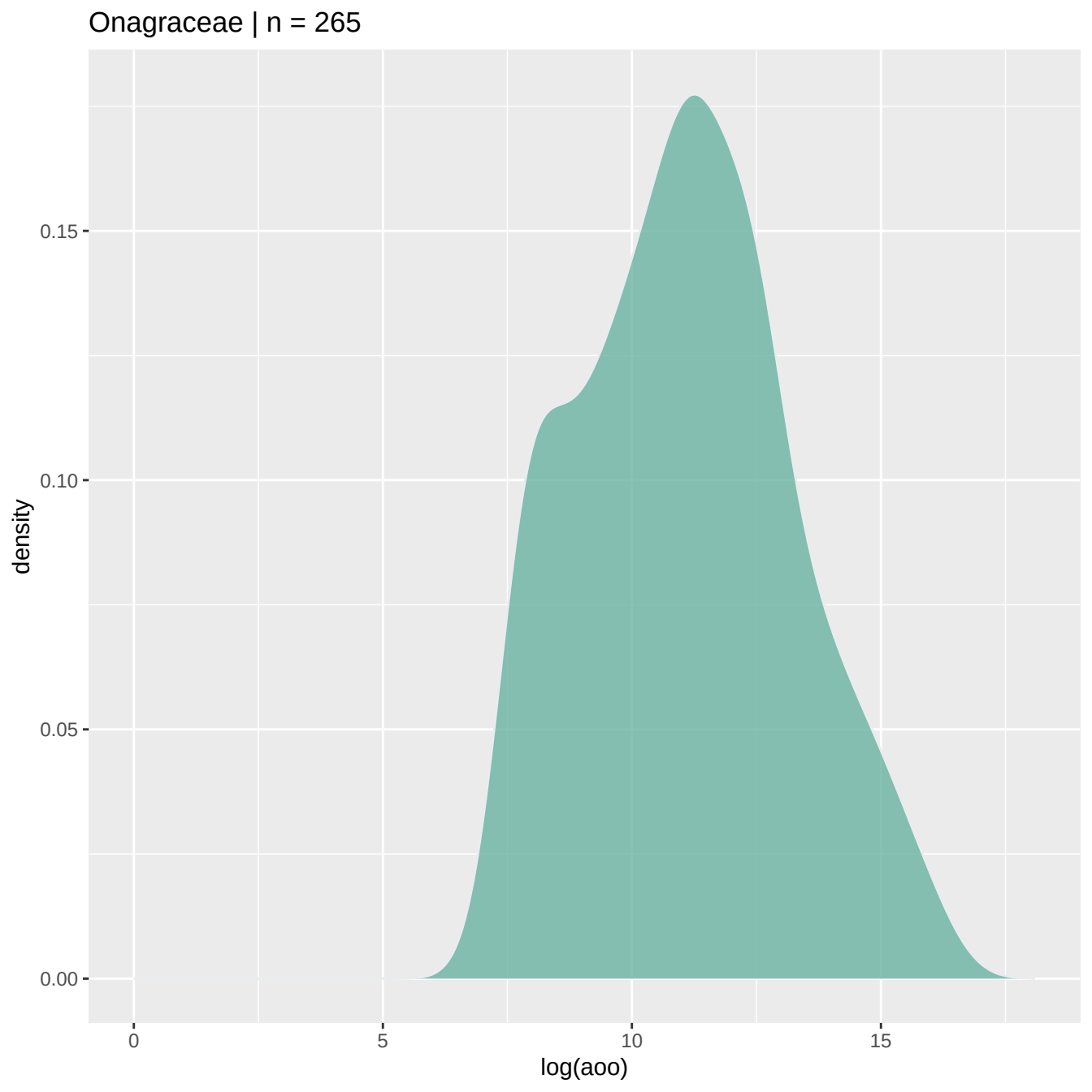

Campanulaceae | n = 60
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)

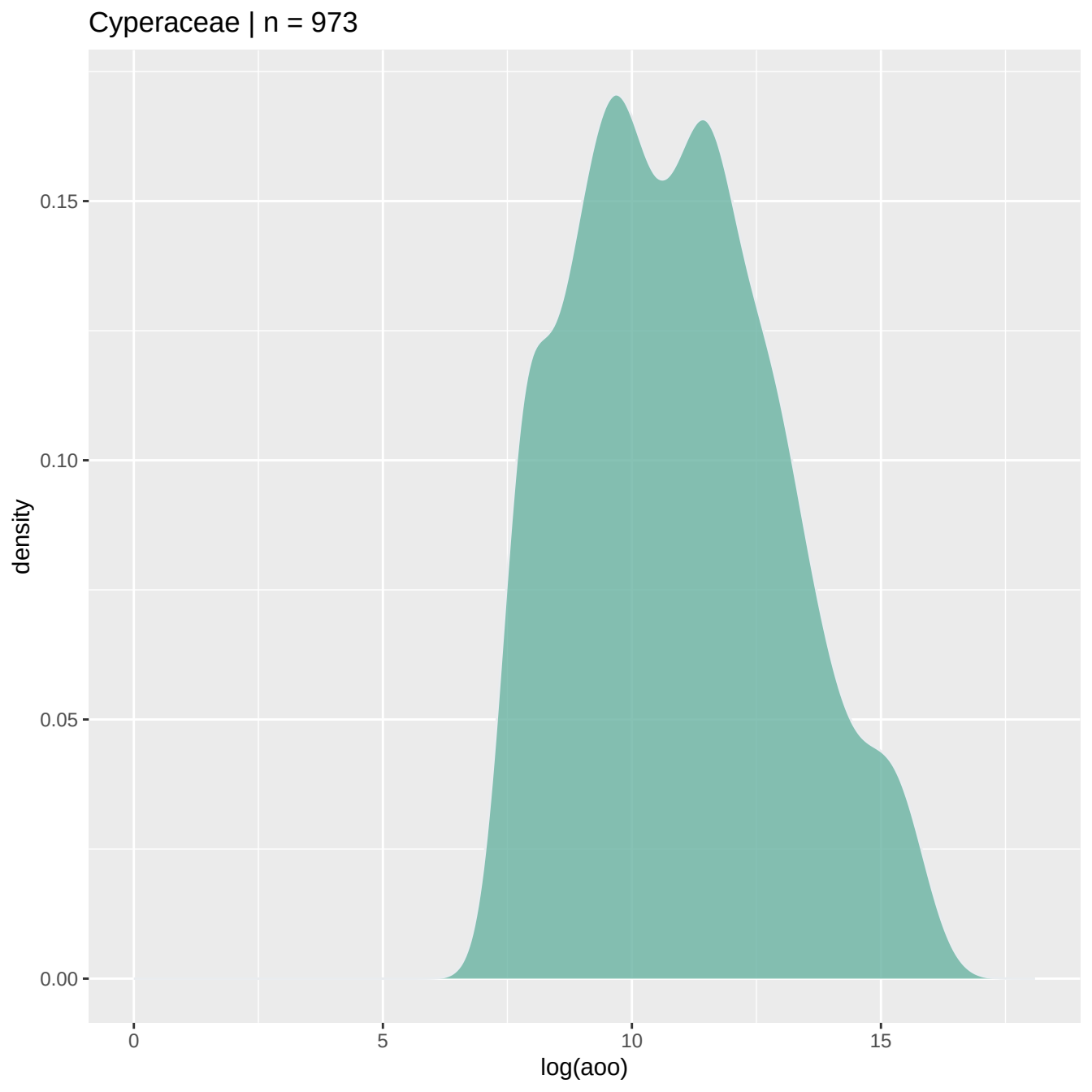

Surianaceae | n = 3
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

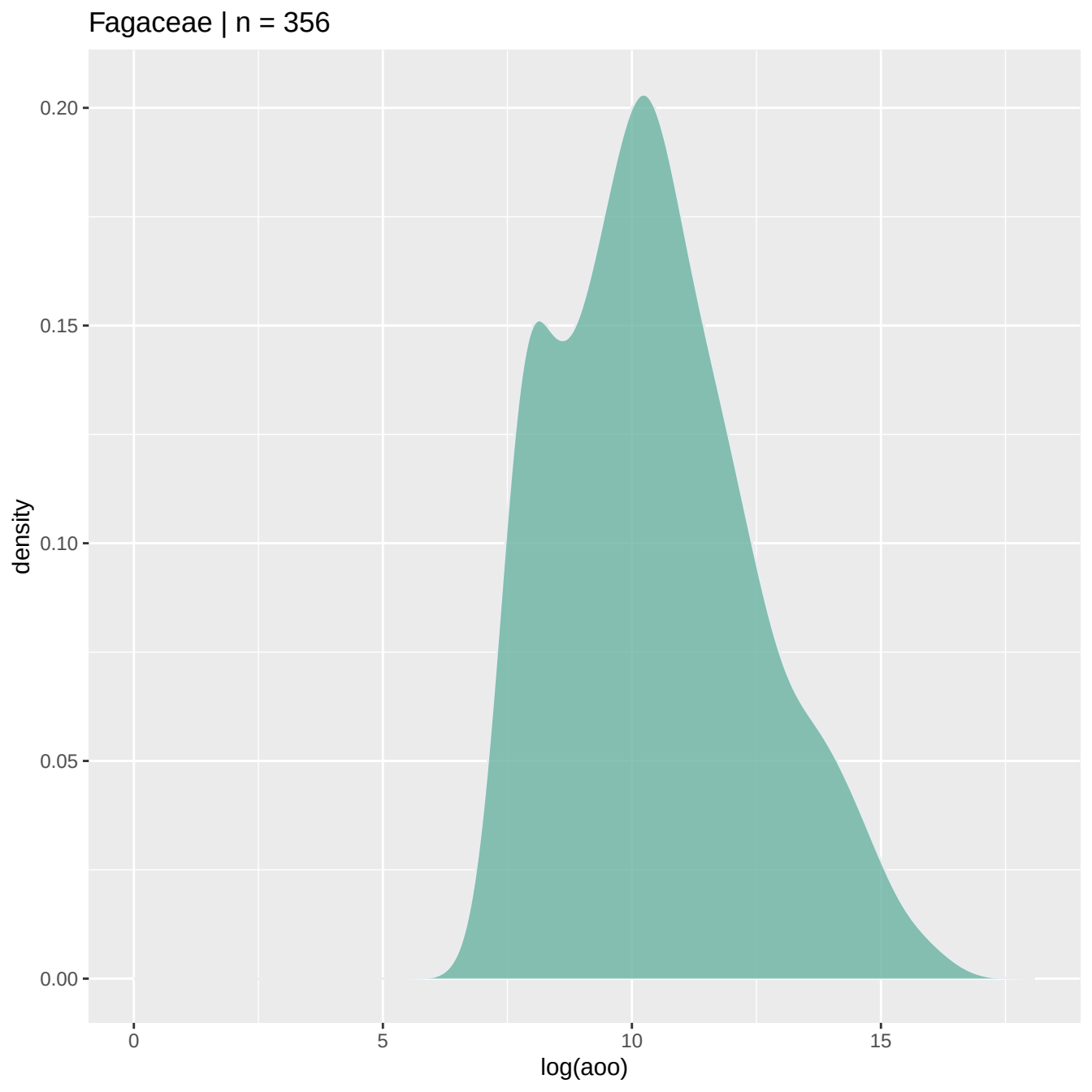

Geraniaceae | n = 240
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

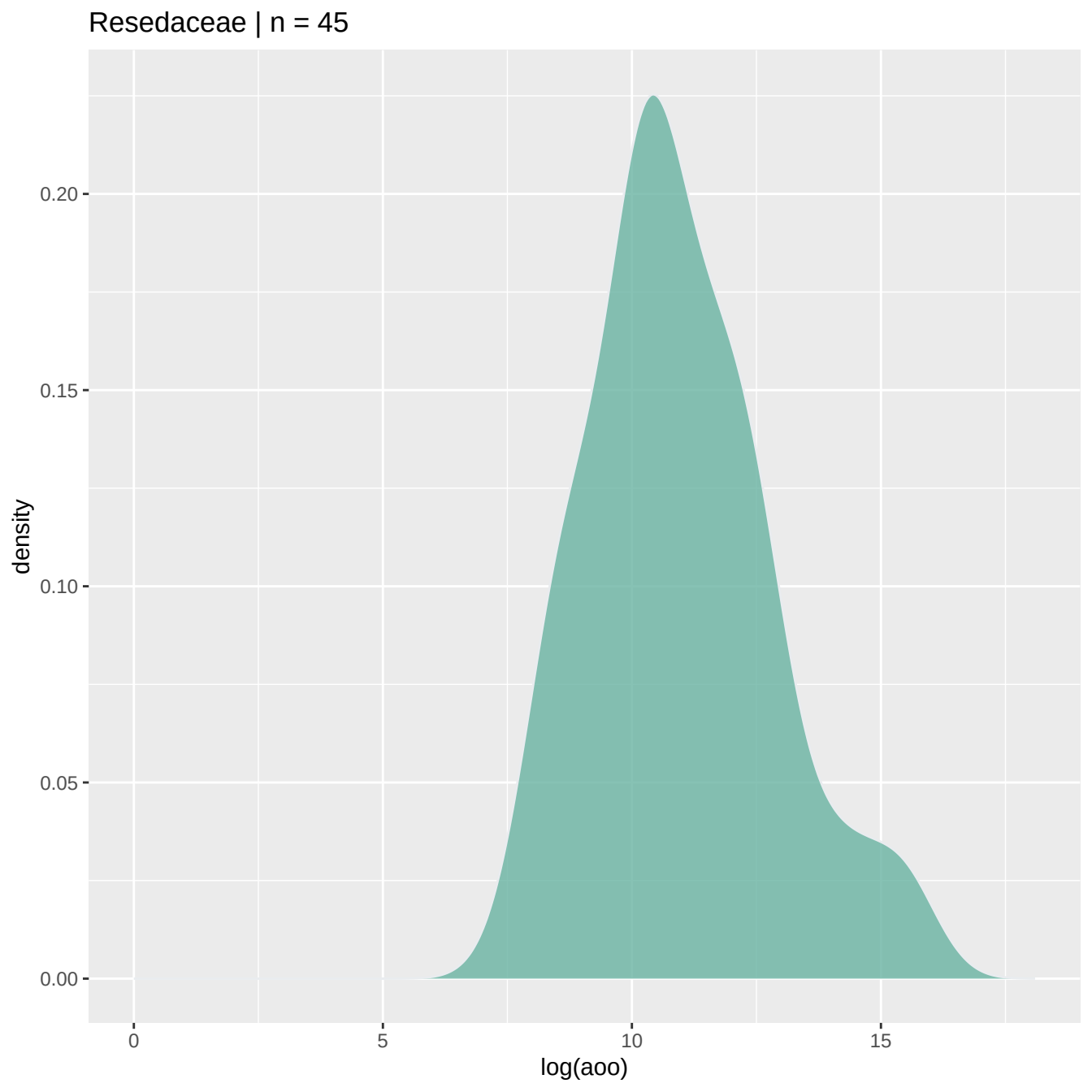

Vochysiaceae | n = 12
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

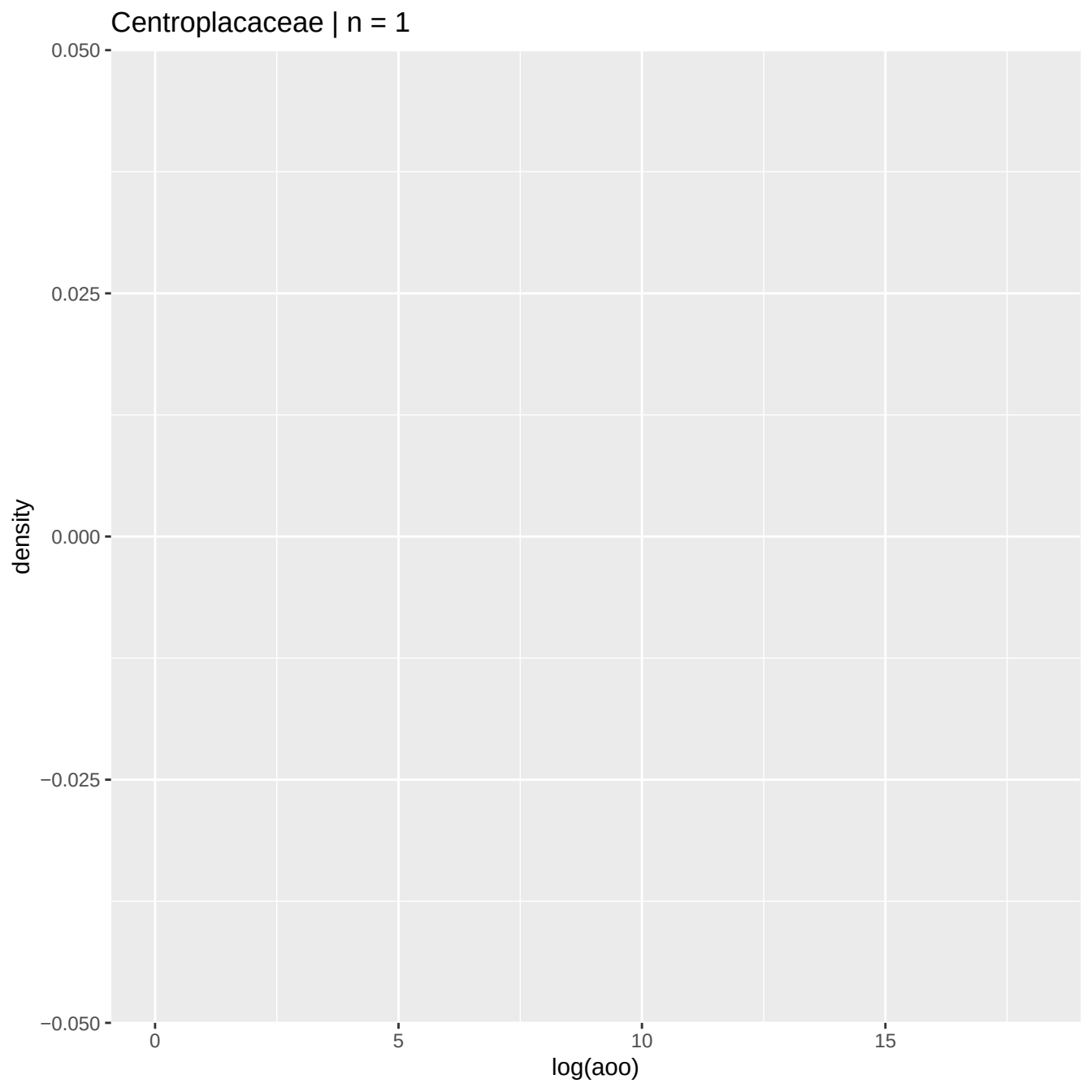

Calophyllaceae | n = 31
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

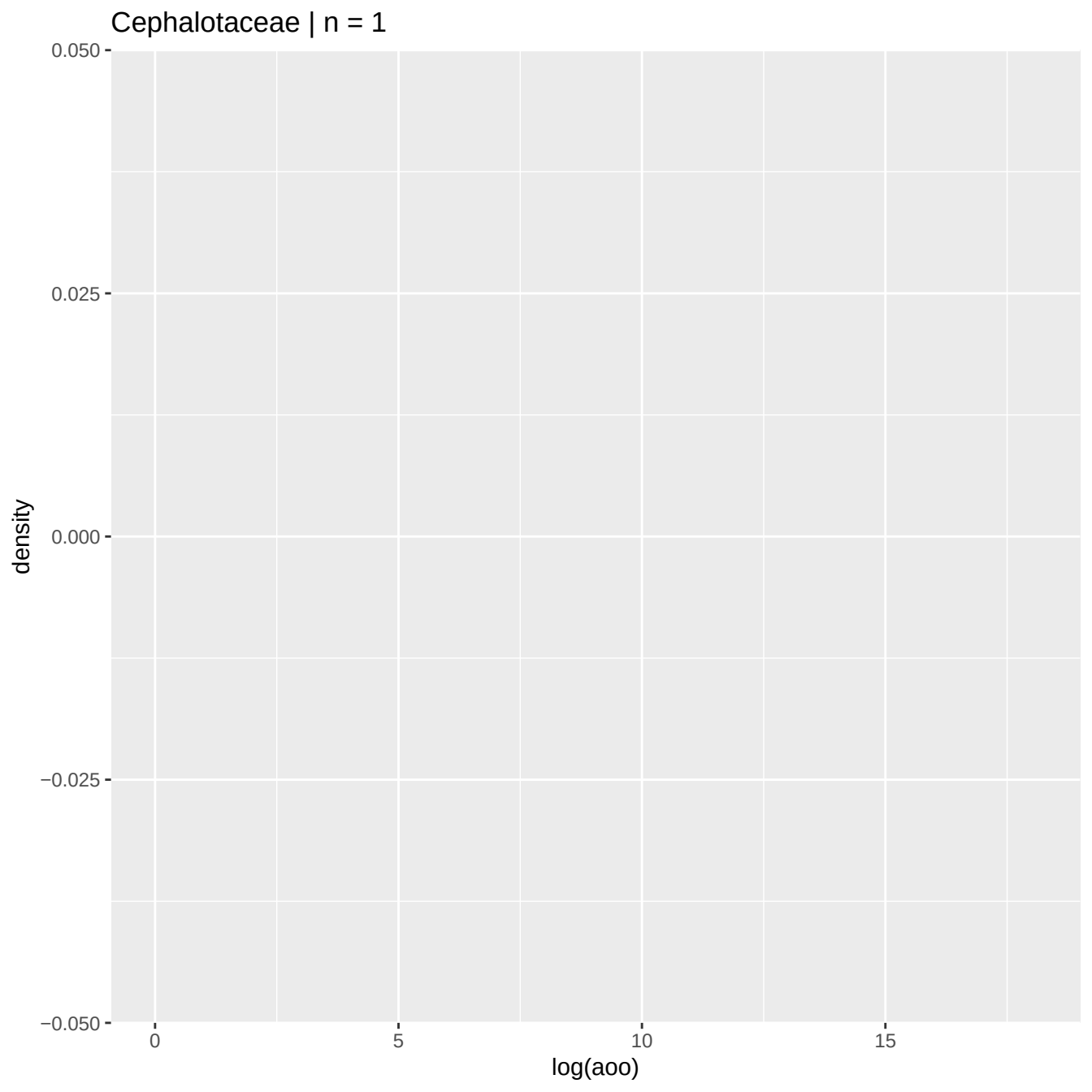

Onagraceae | n = 265
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

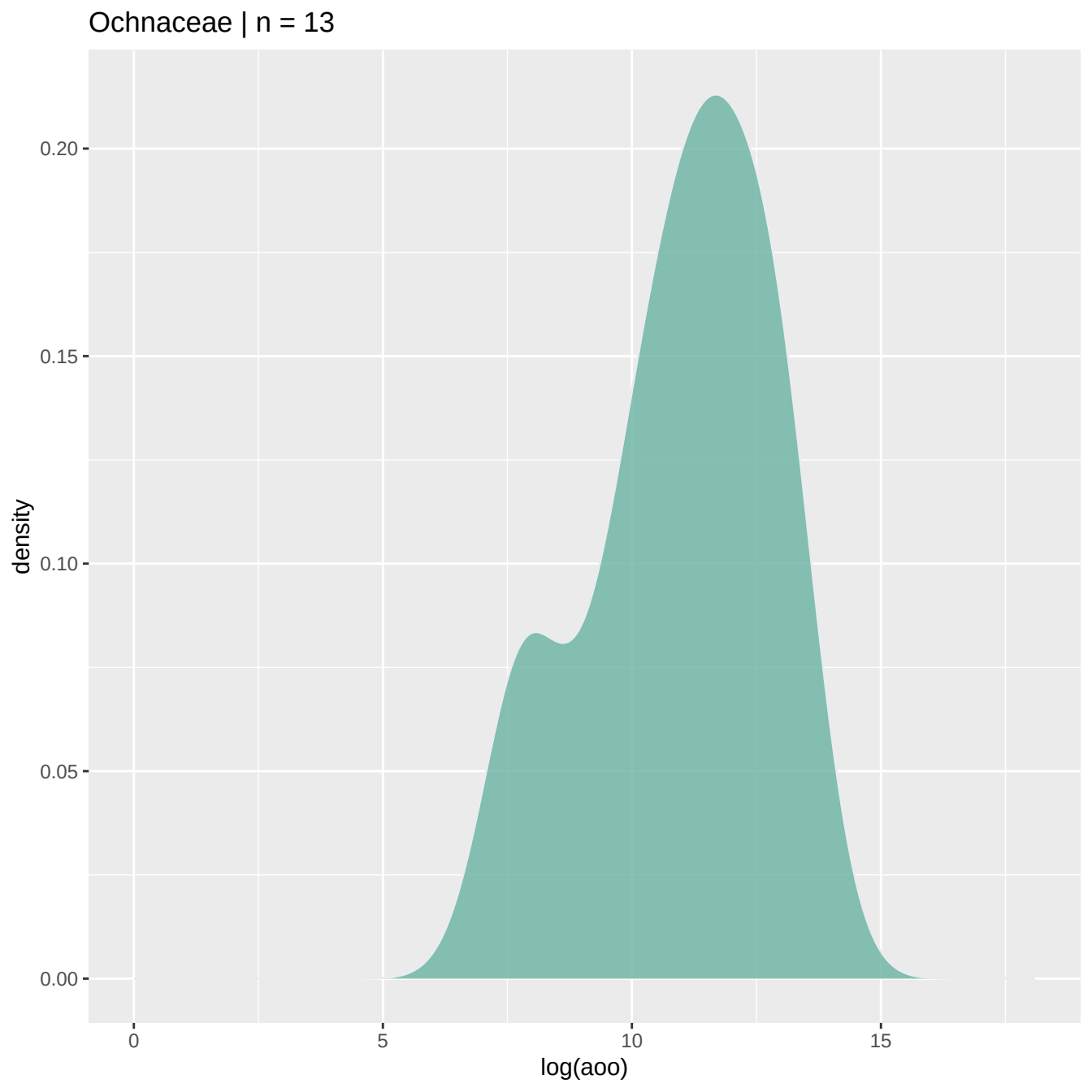

Cyperaceae | n = 973
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

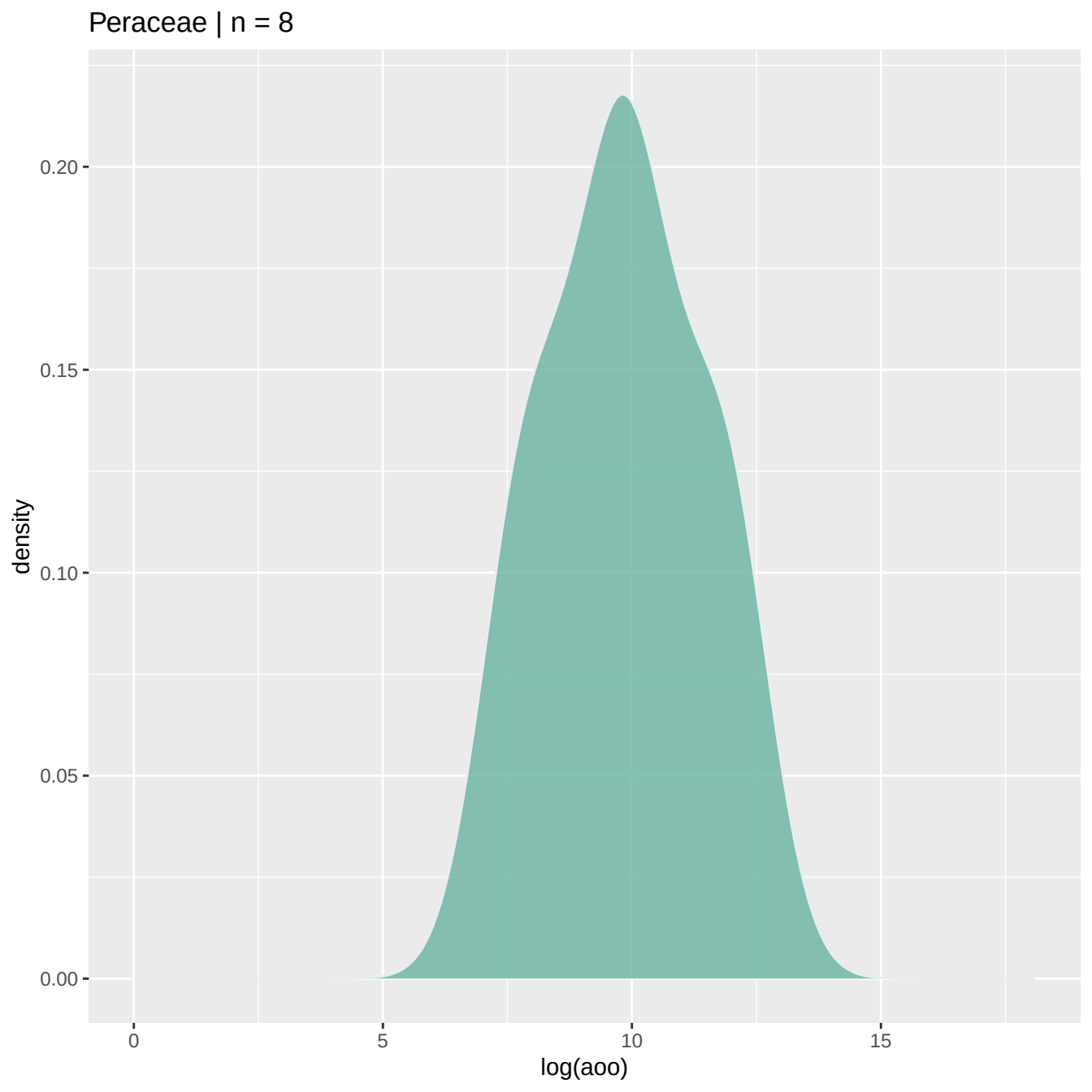

Fagaceae | n = 356
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

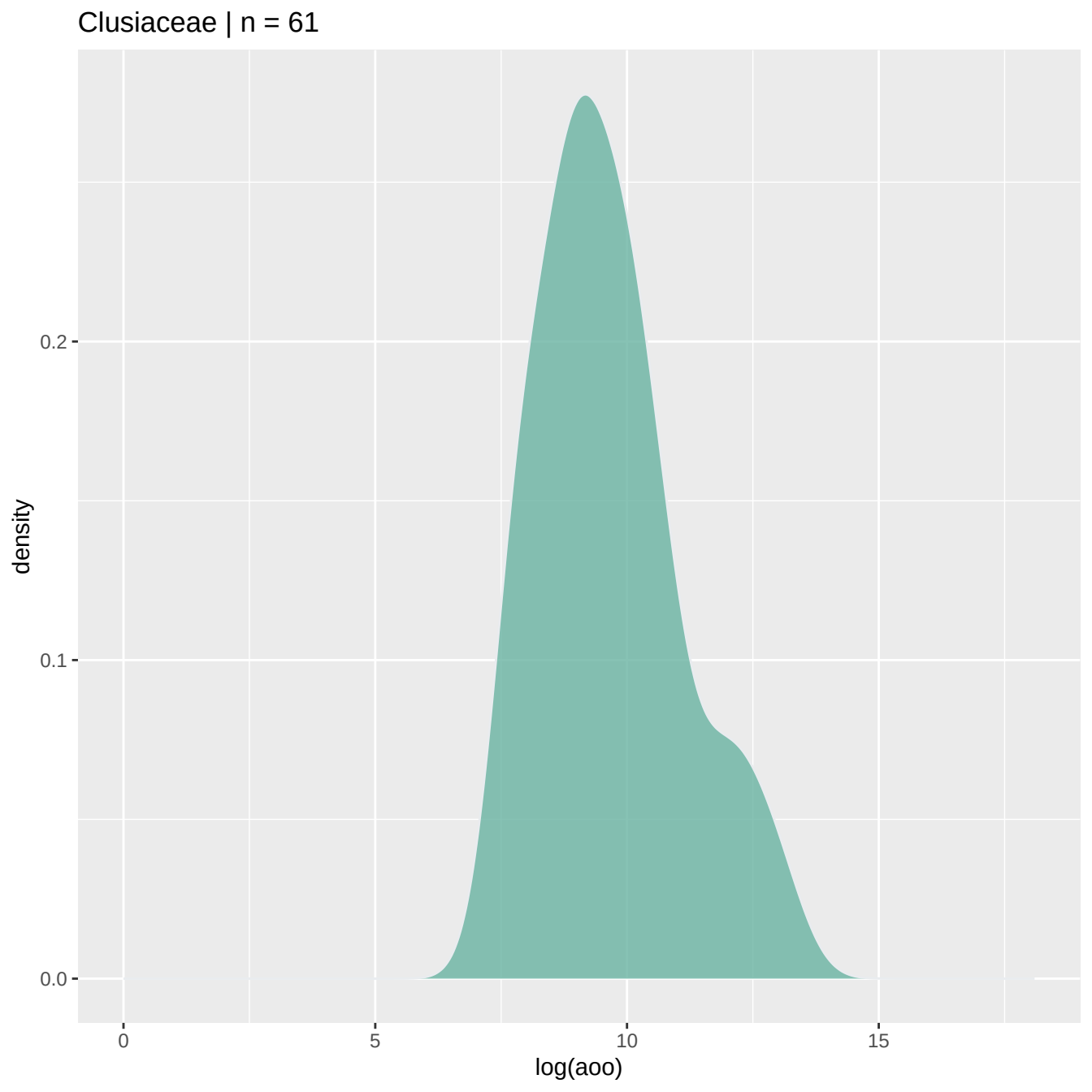

Resedaceae | n = 45
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

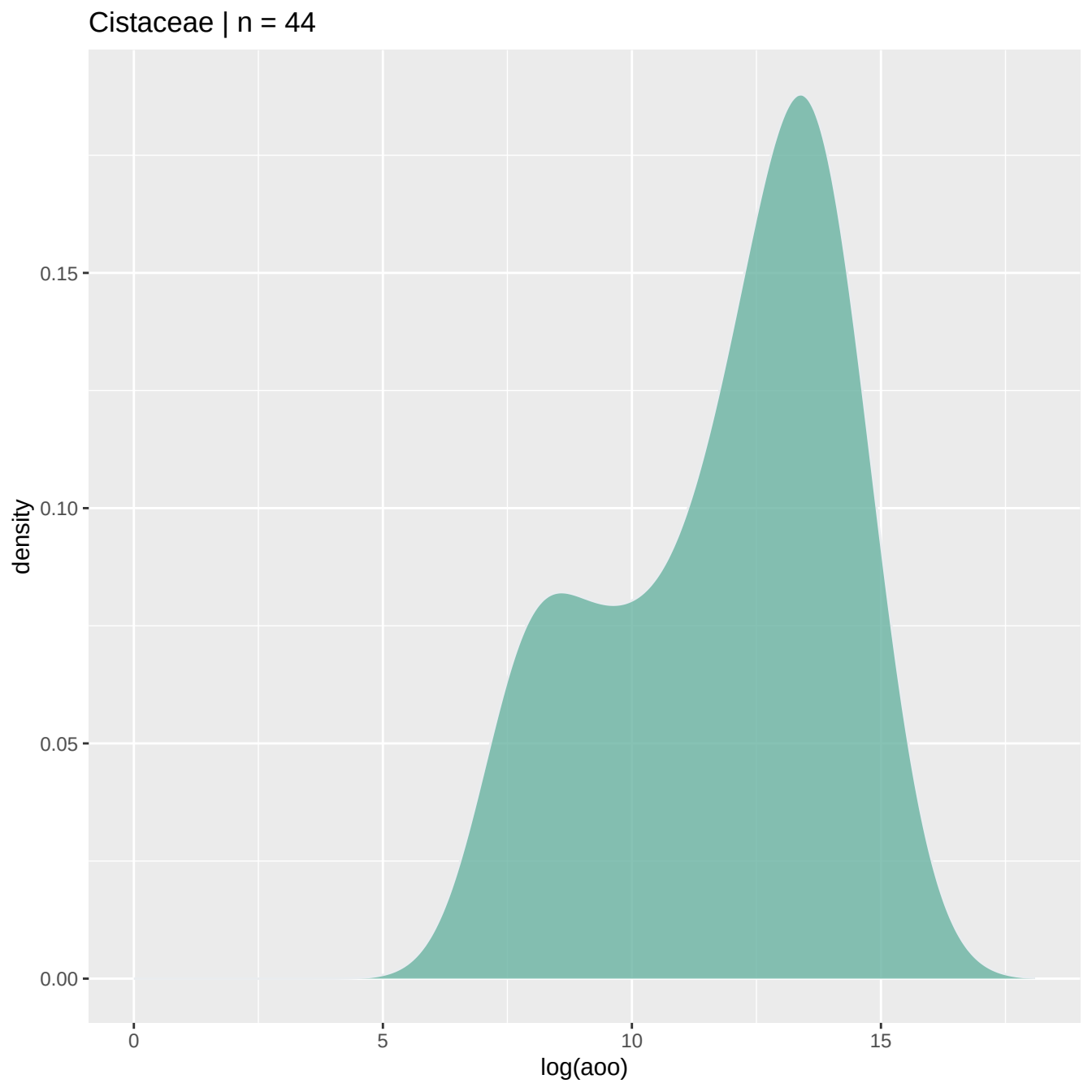

Centroplacaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

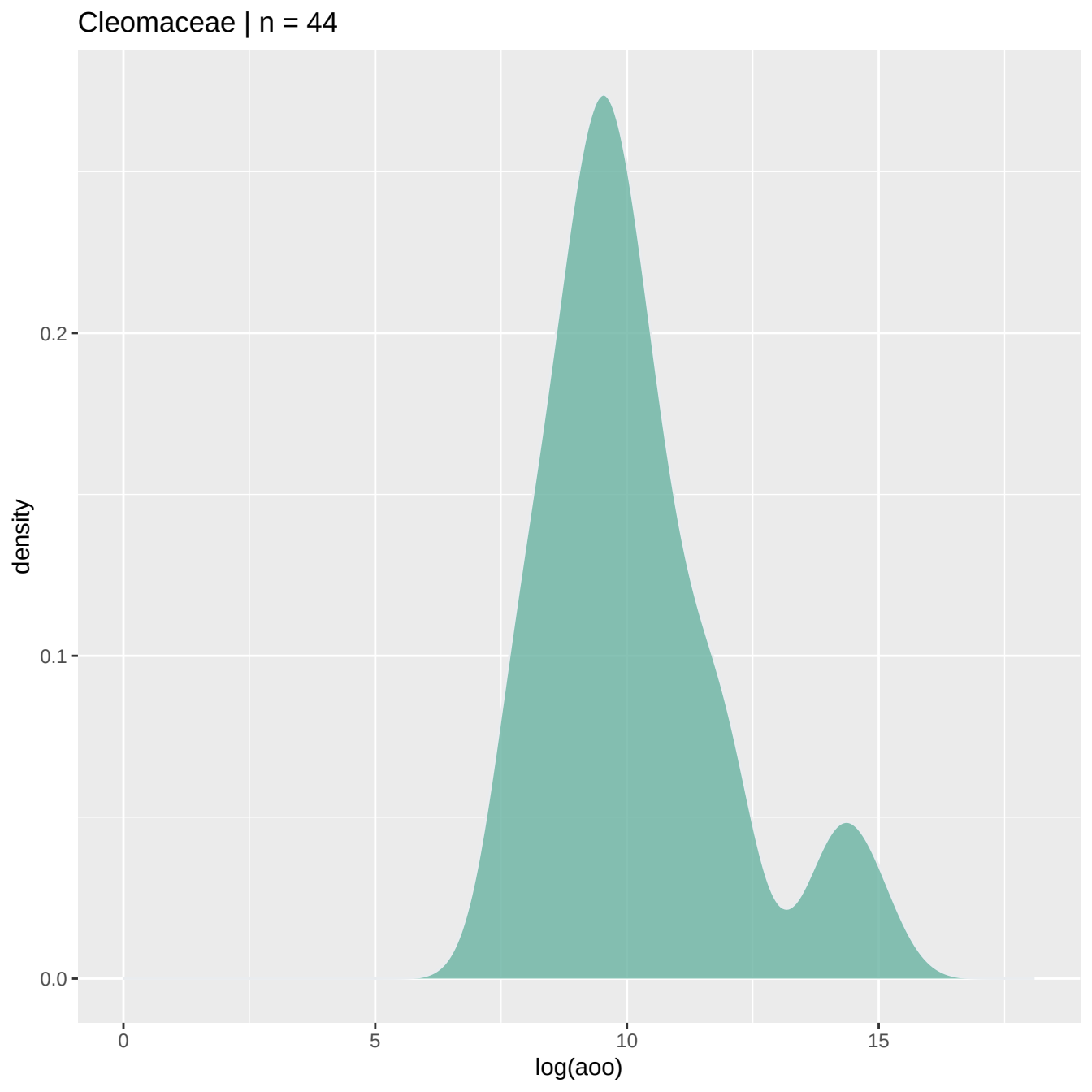

Cephalotaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

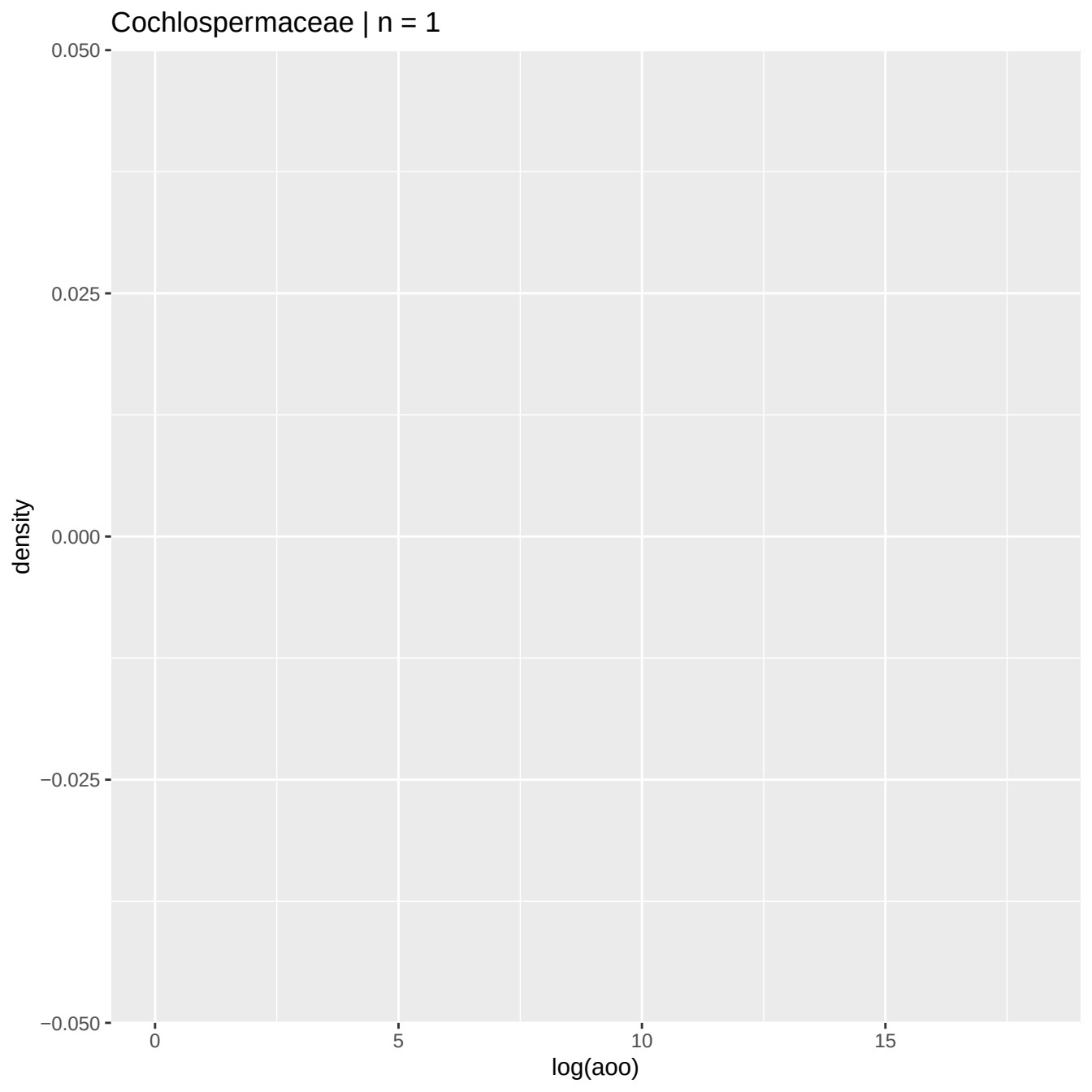

Ochnaceae | n = 13
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

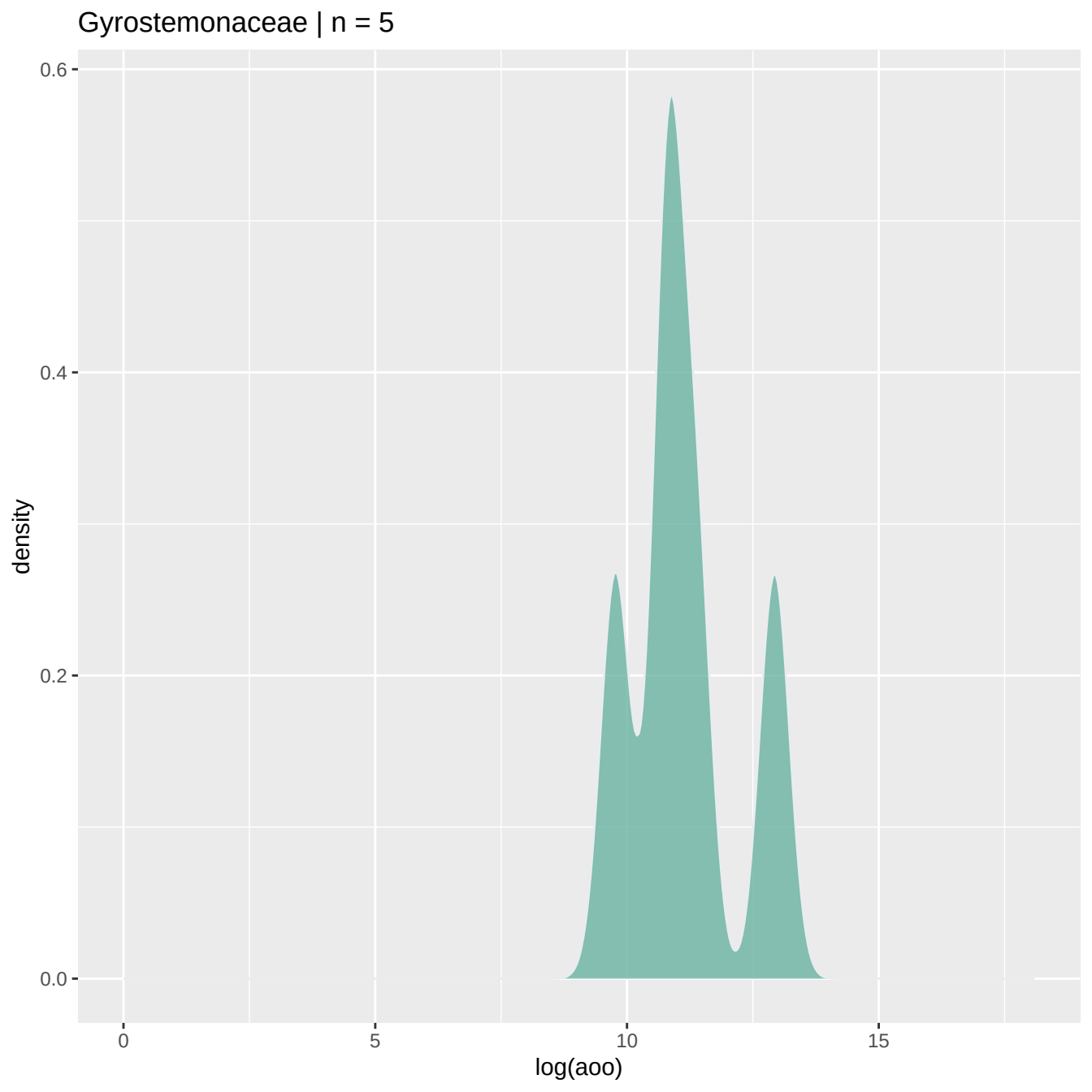

Peraceae | n = 8
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

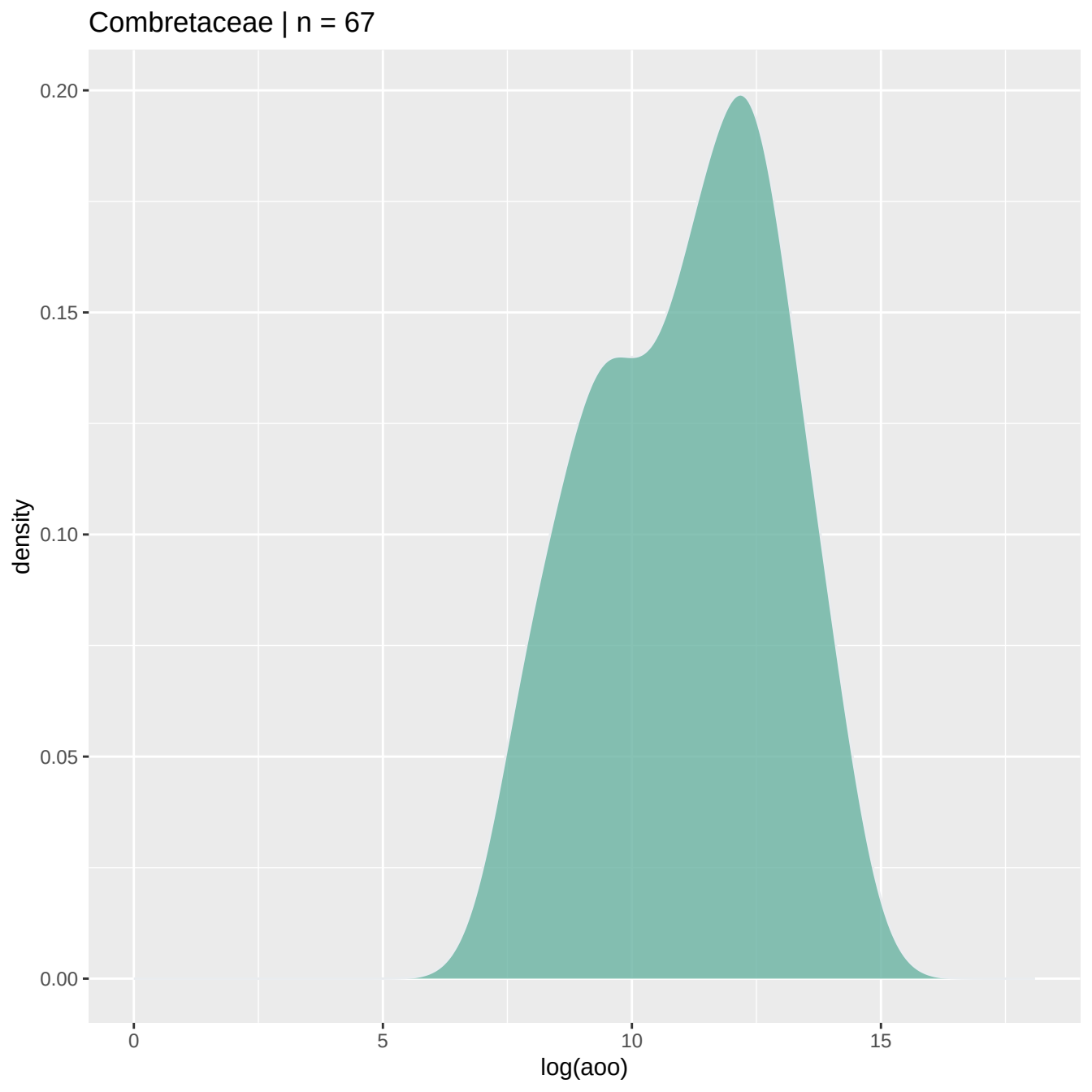

Clusiaceae | n = 61
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

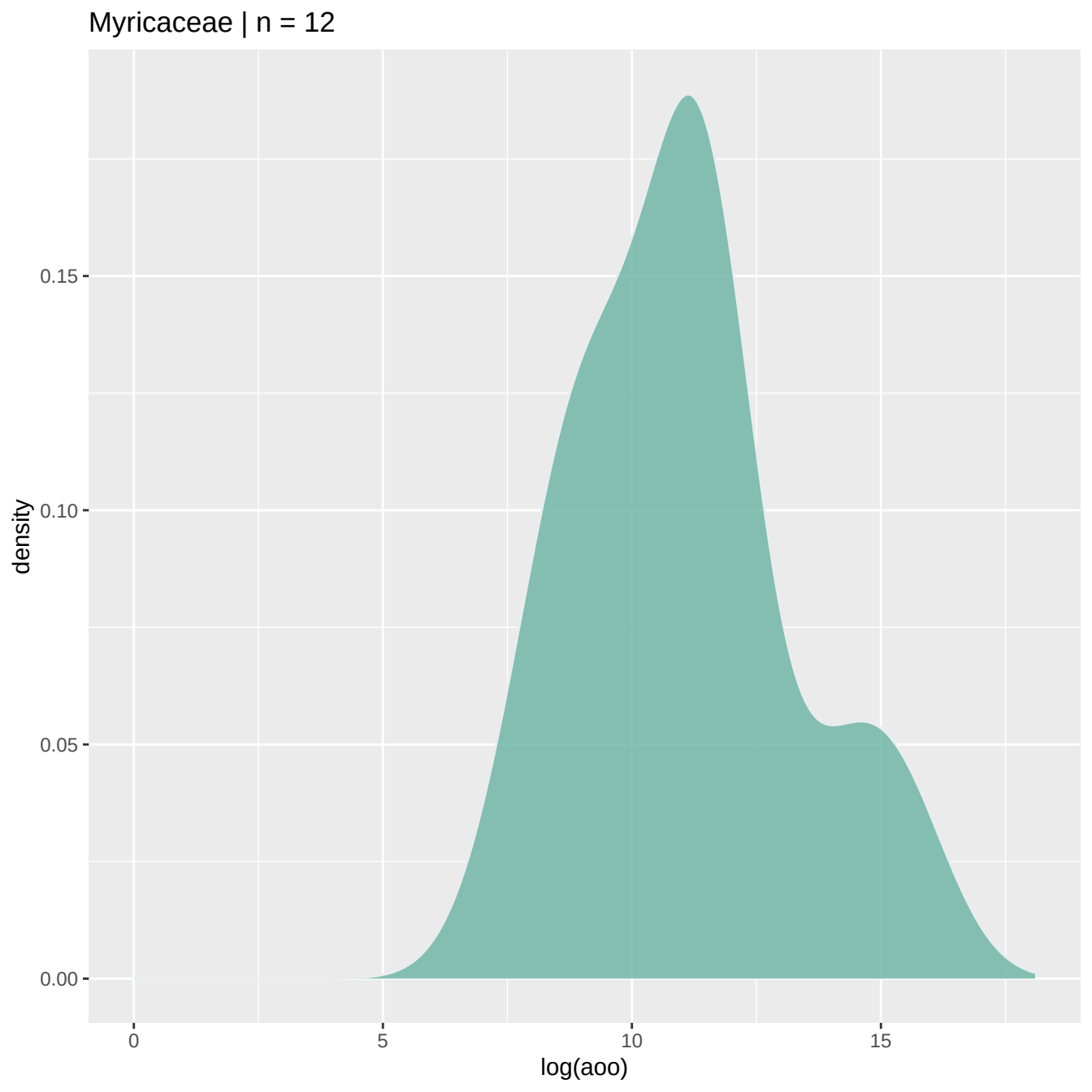

Cistaceae | n = 44
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

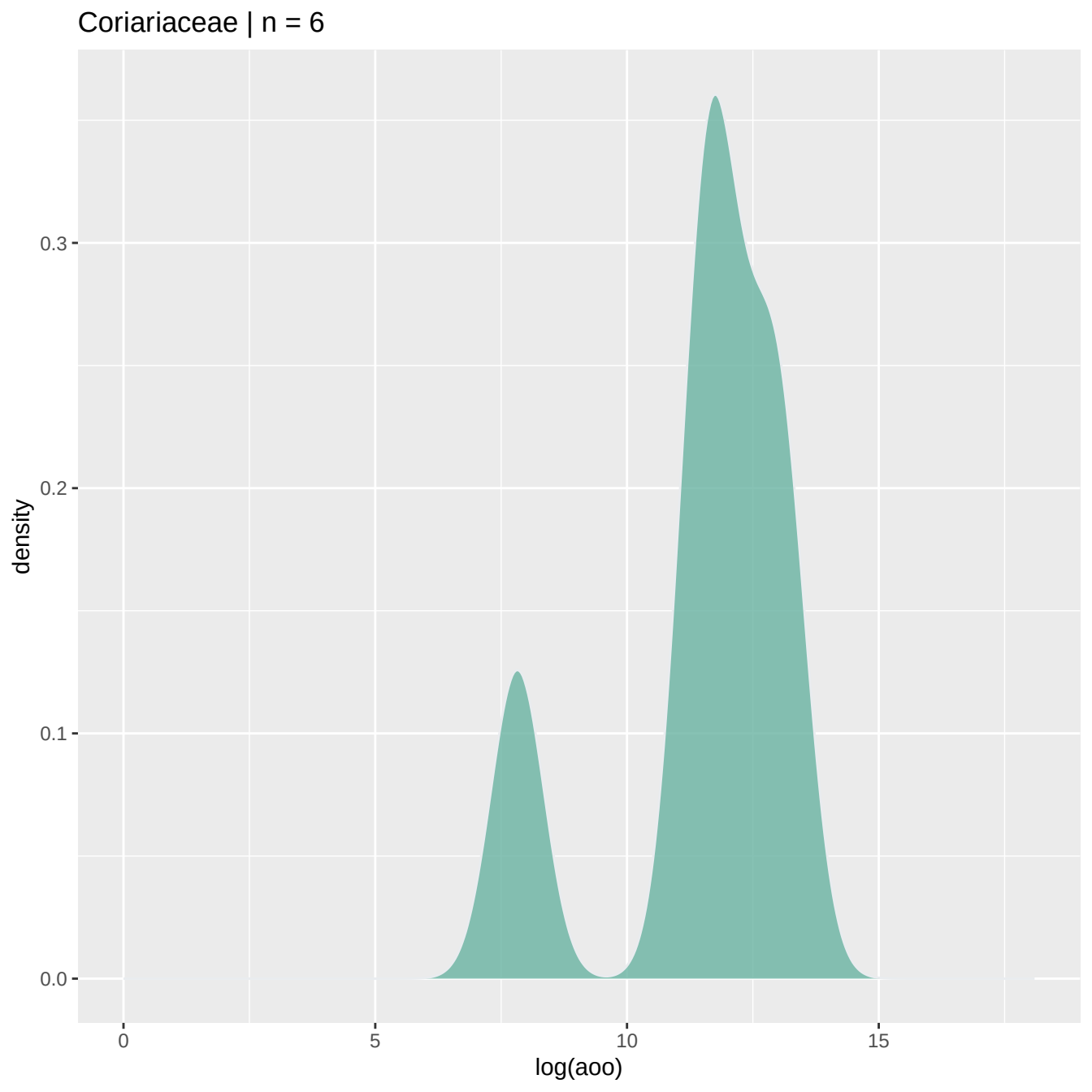

Cleomaceae | n = 44
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

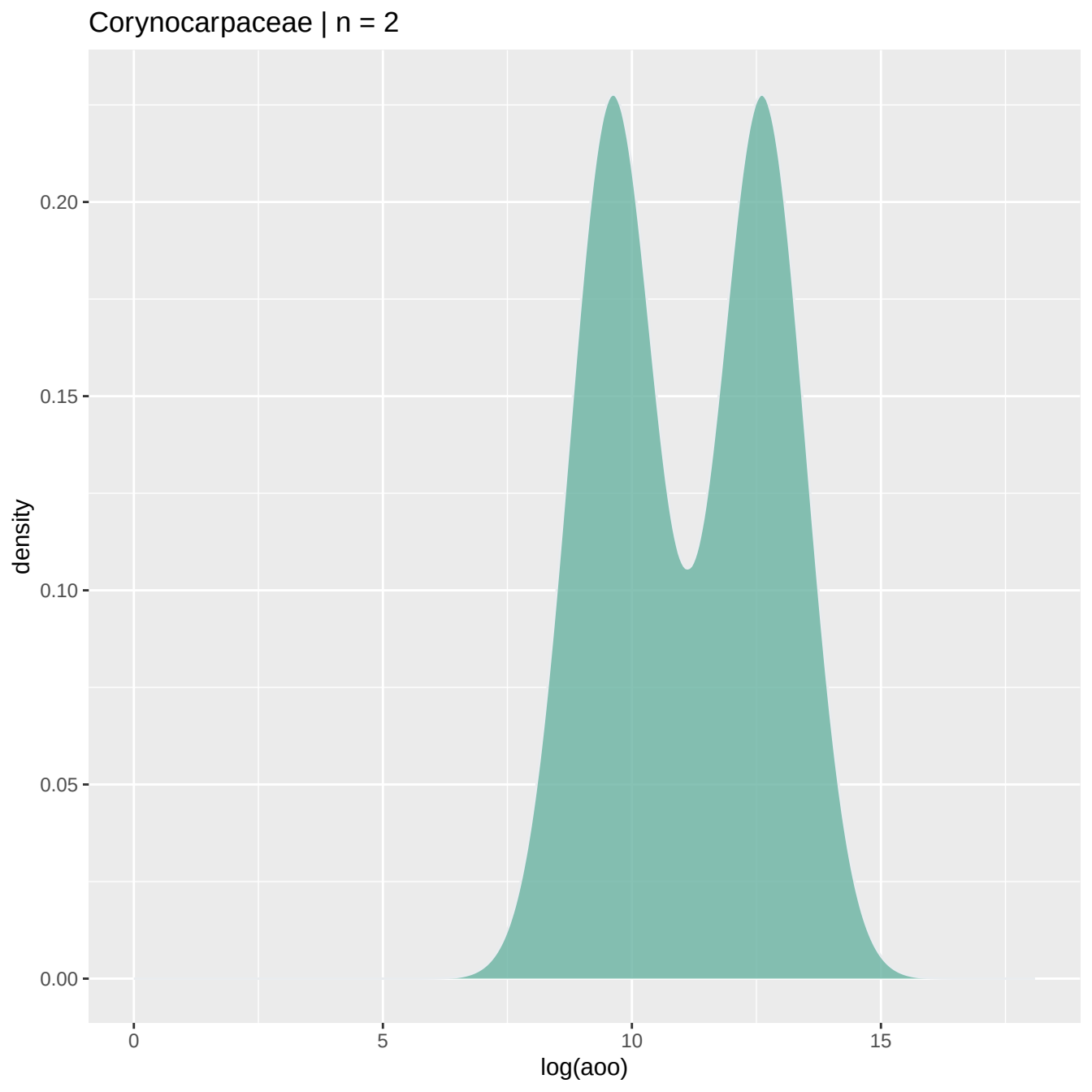

Cochlospermaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

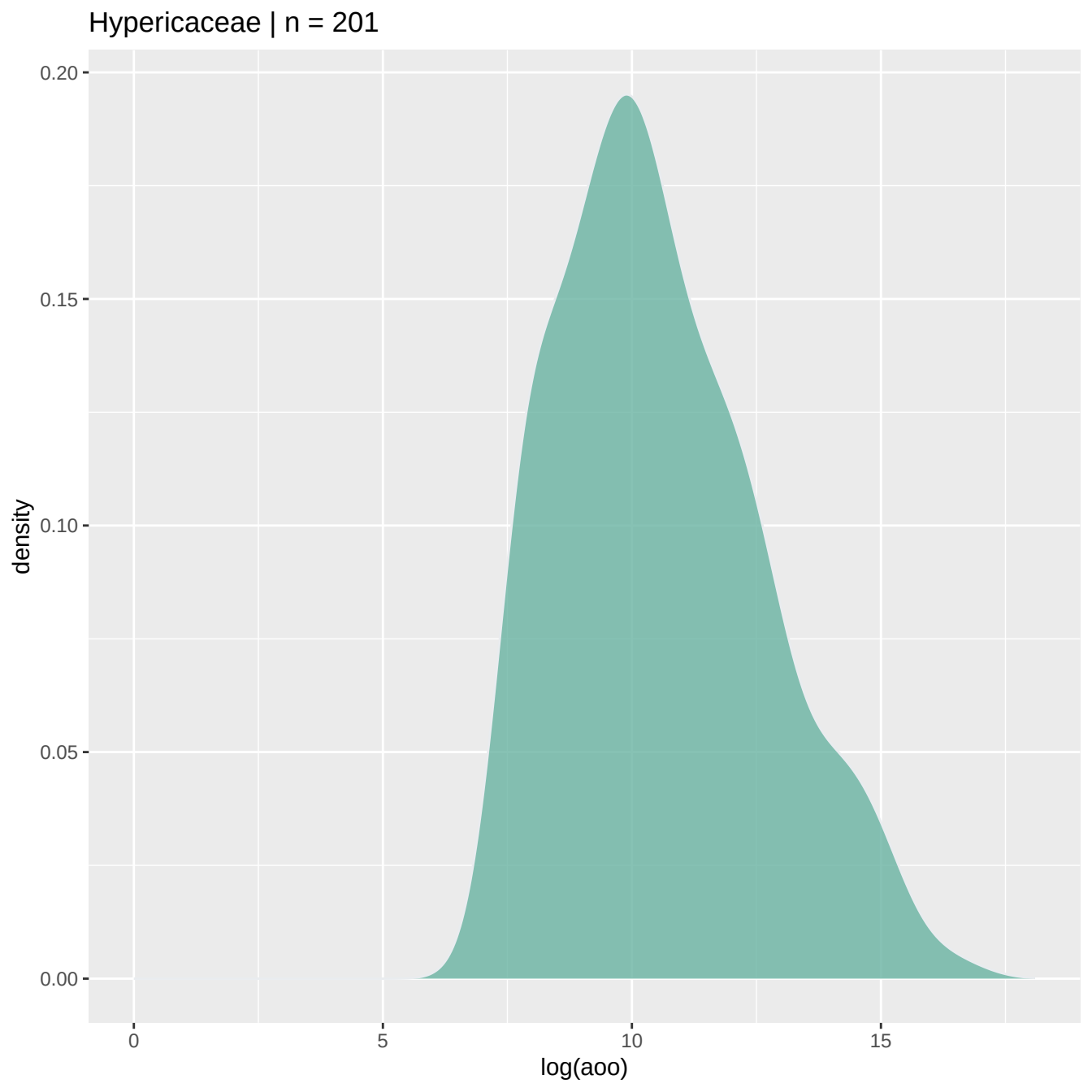

Gyrostemonaceae | n = 5
0.6
0.4
0.2
0.0
density
0
5
10
15
log(aoo)

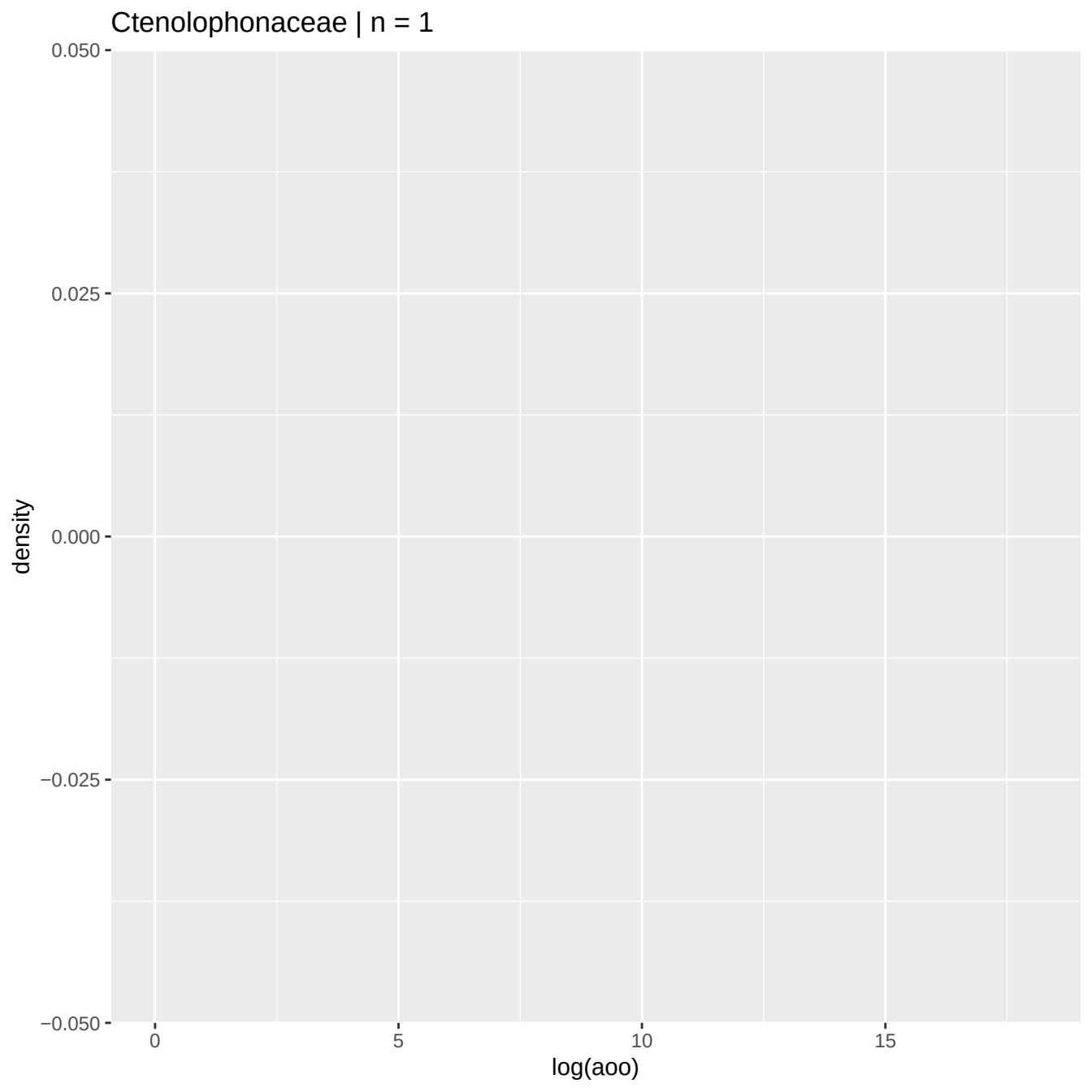

Combretaceae | n = 67
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

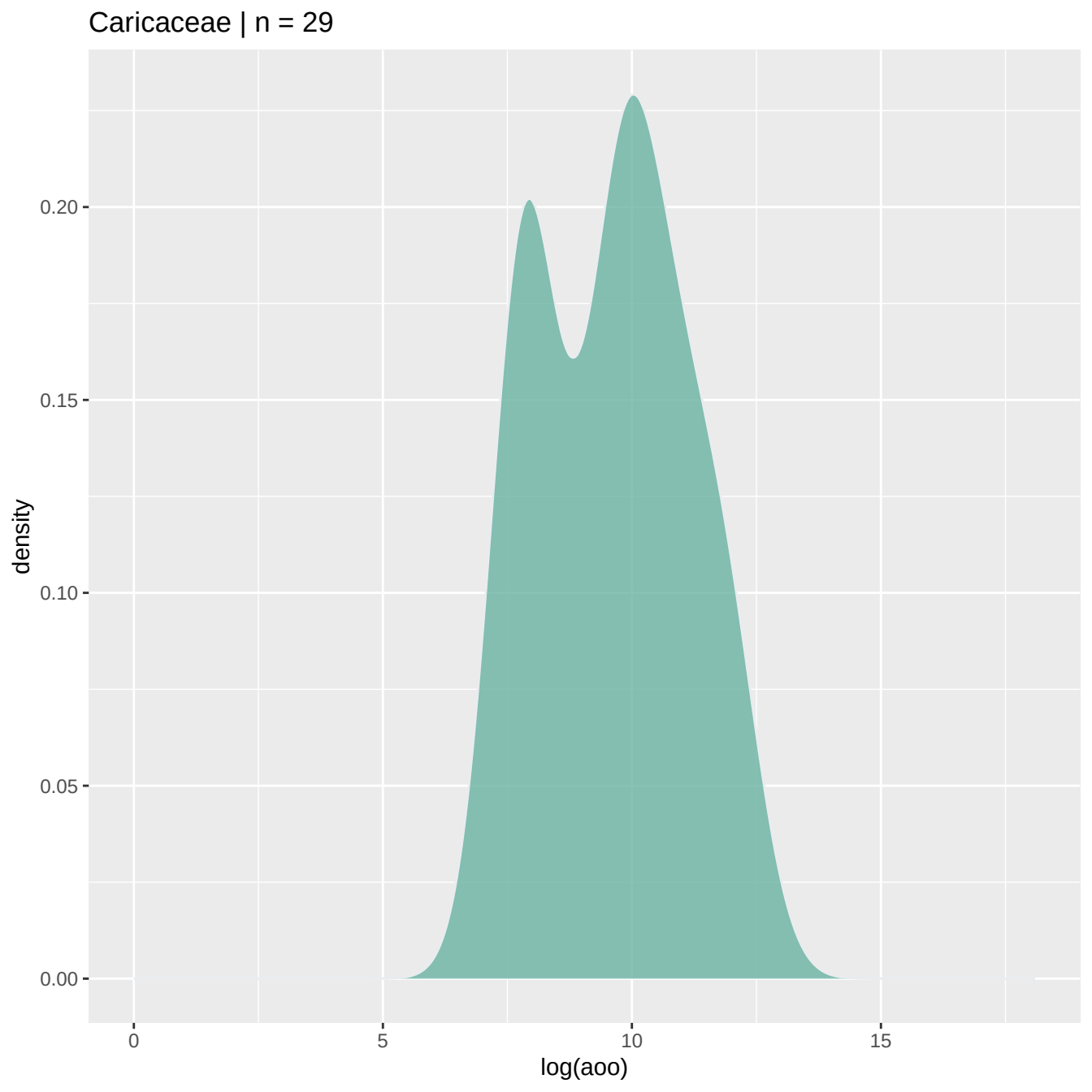

Myricaceae | n = 12
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

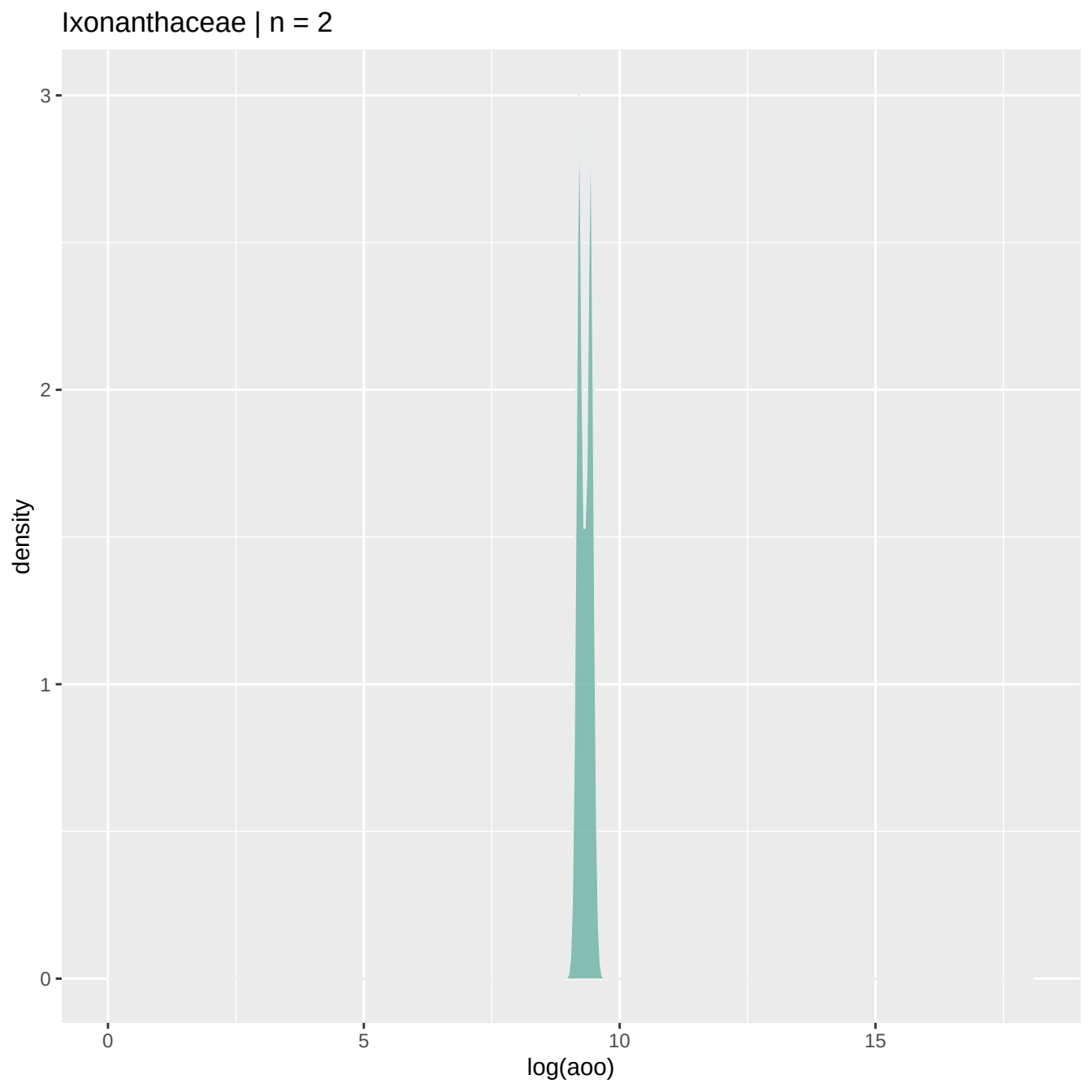

Coriariaceae | n = 6
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

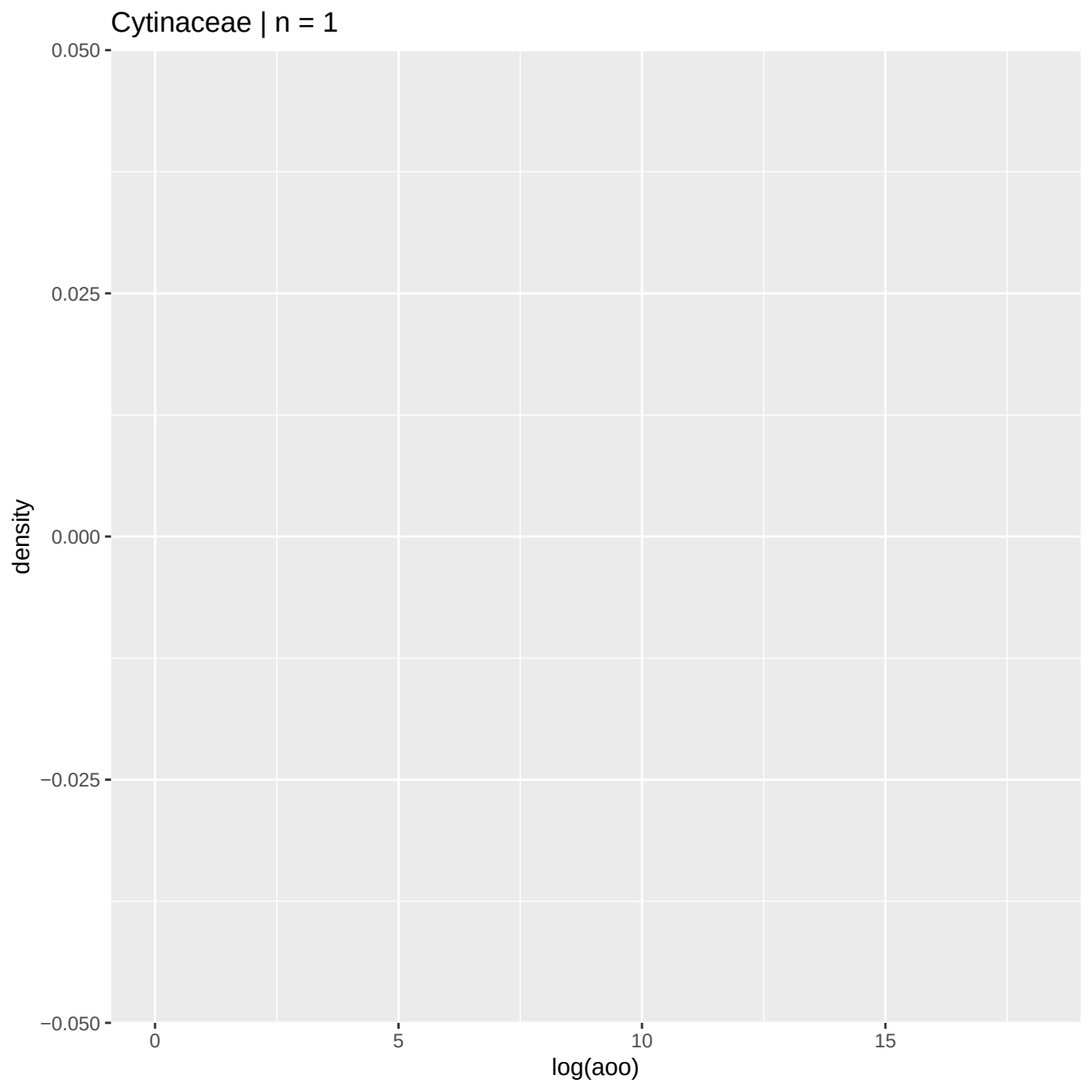

Corynocarpaceae | n = 2
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

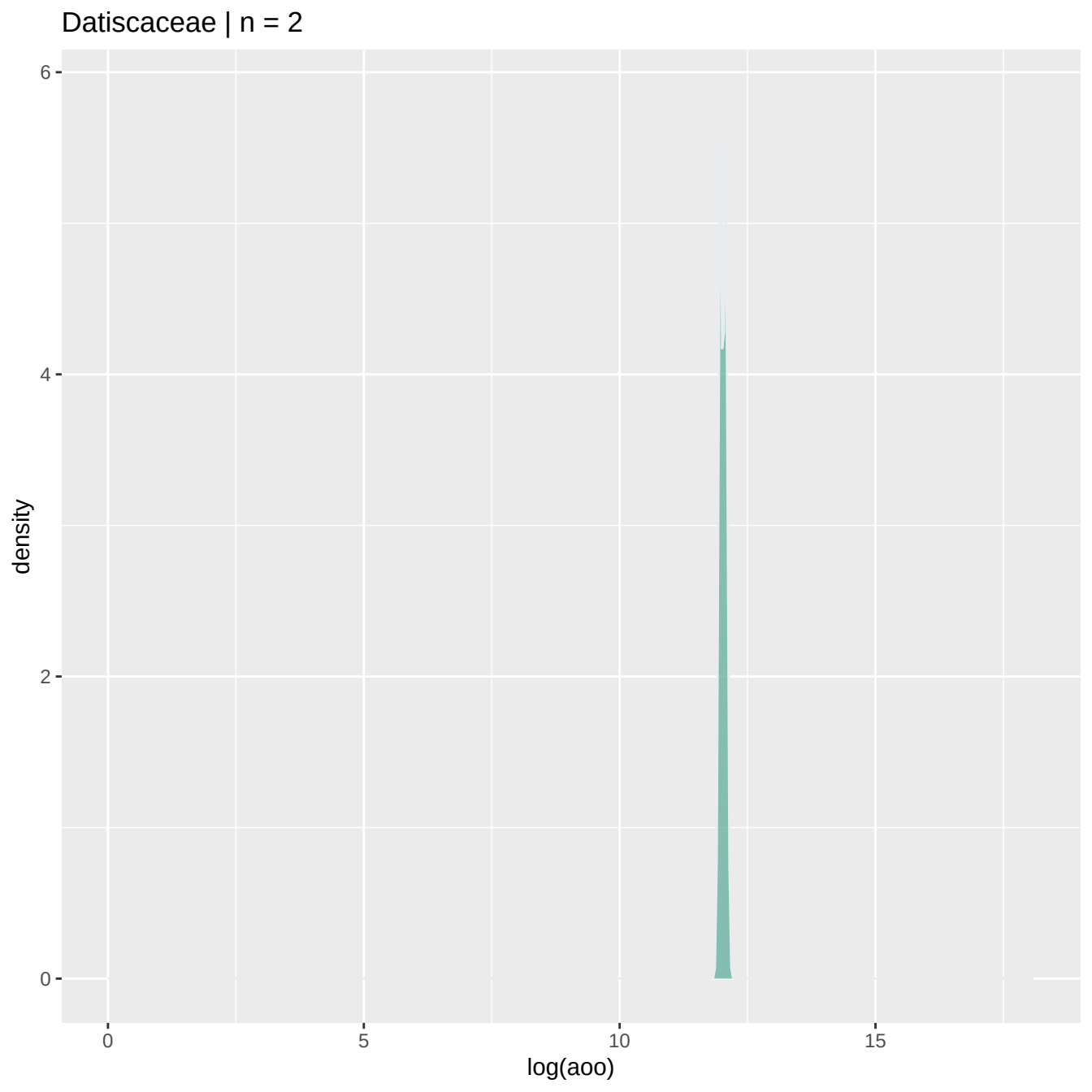

Hypericaceae | n = 201
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

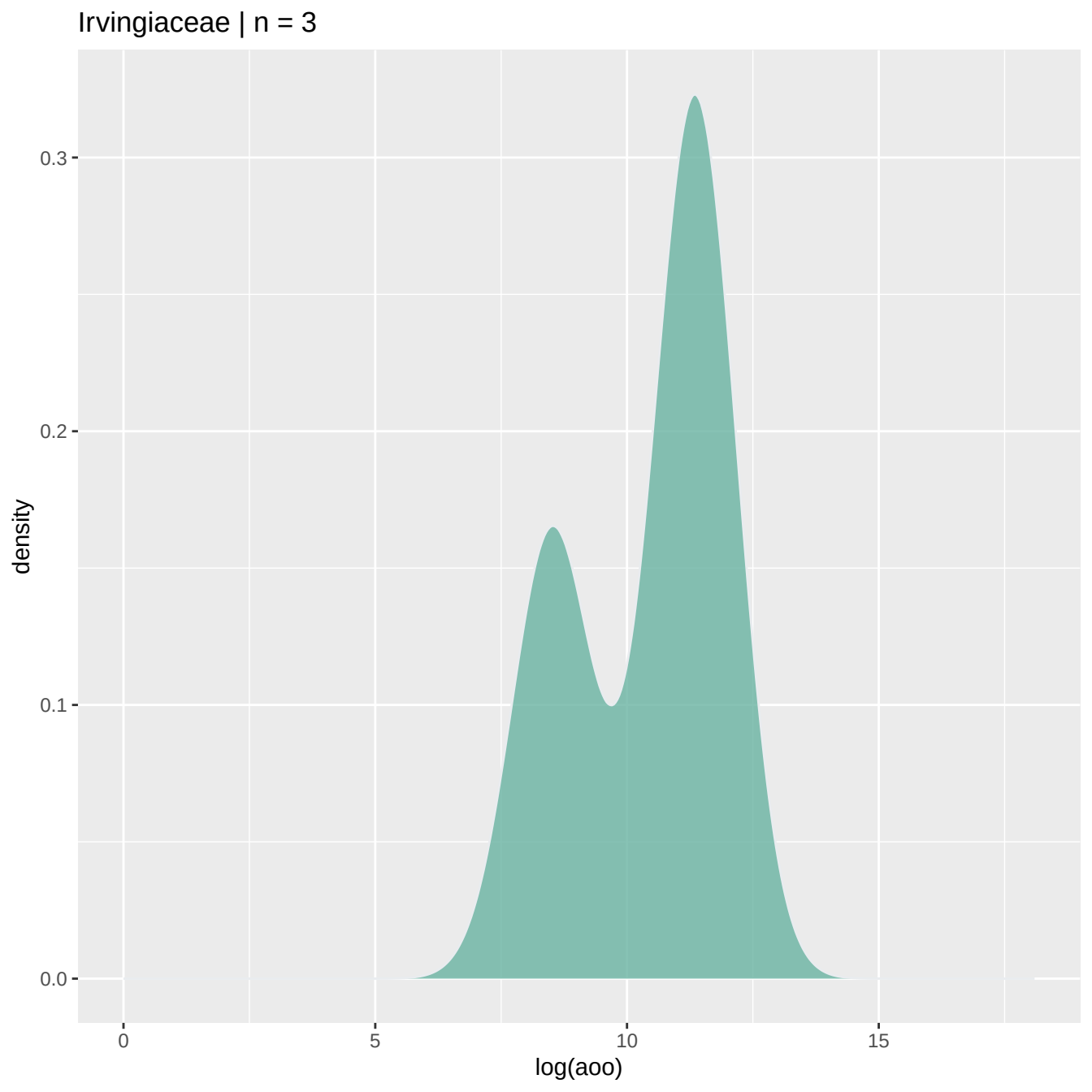

Ctenolophonaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

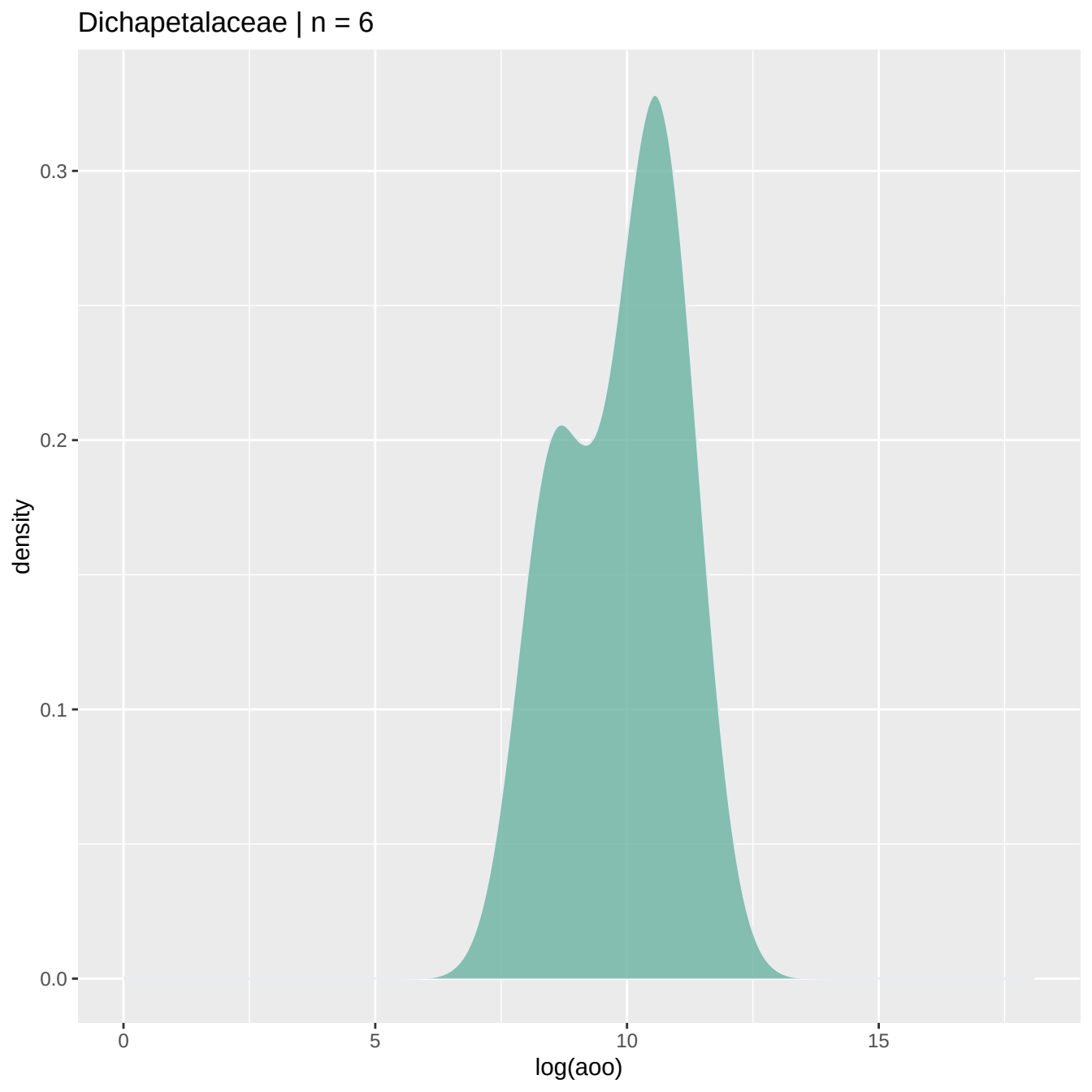

Caricaceae | n = 29
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

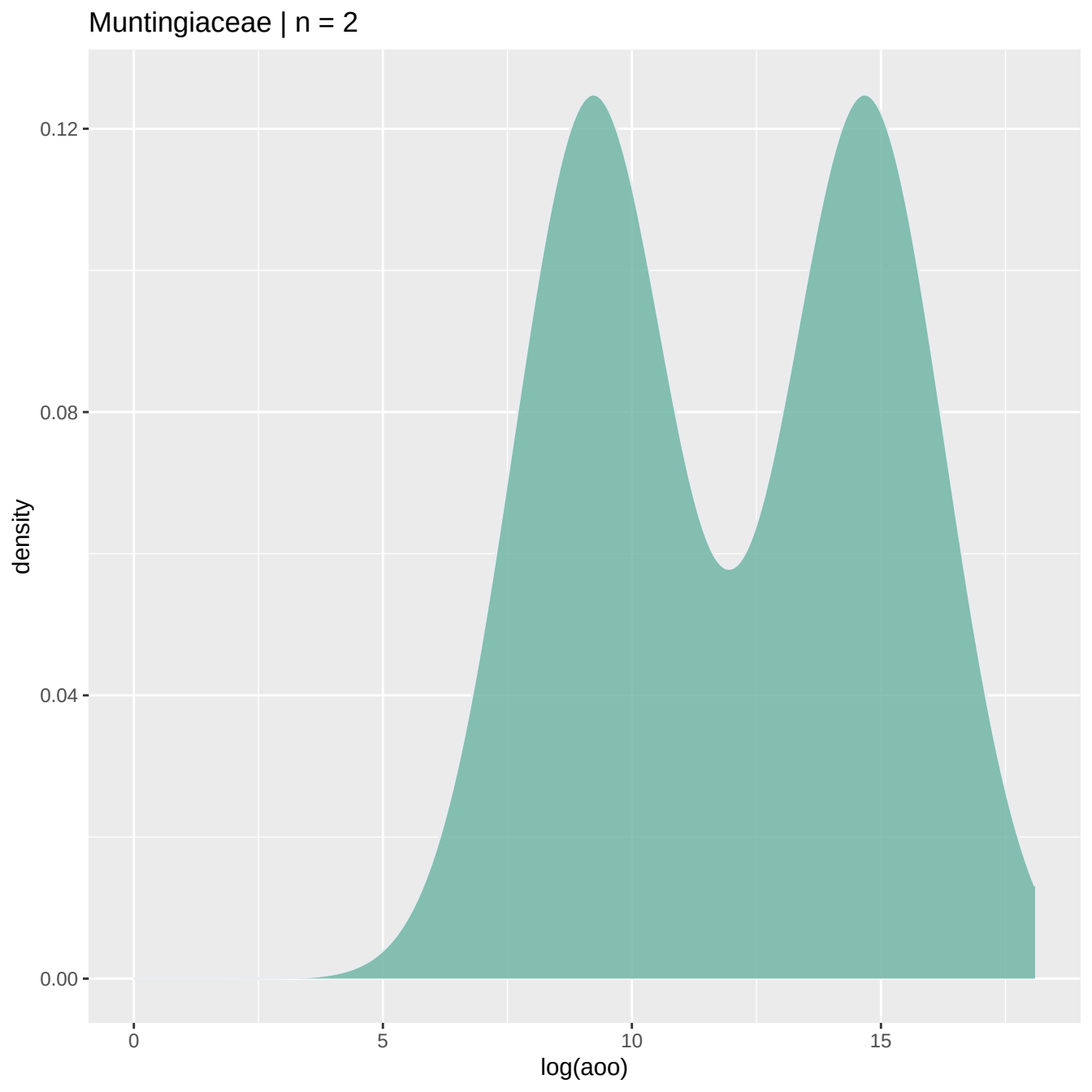

Ixonanthaceae | n = 2
density
3
2
1
0
0
5
10
15
log(aoo)

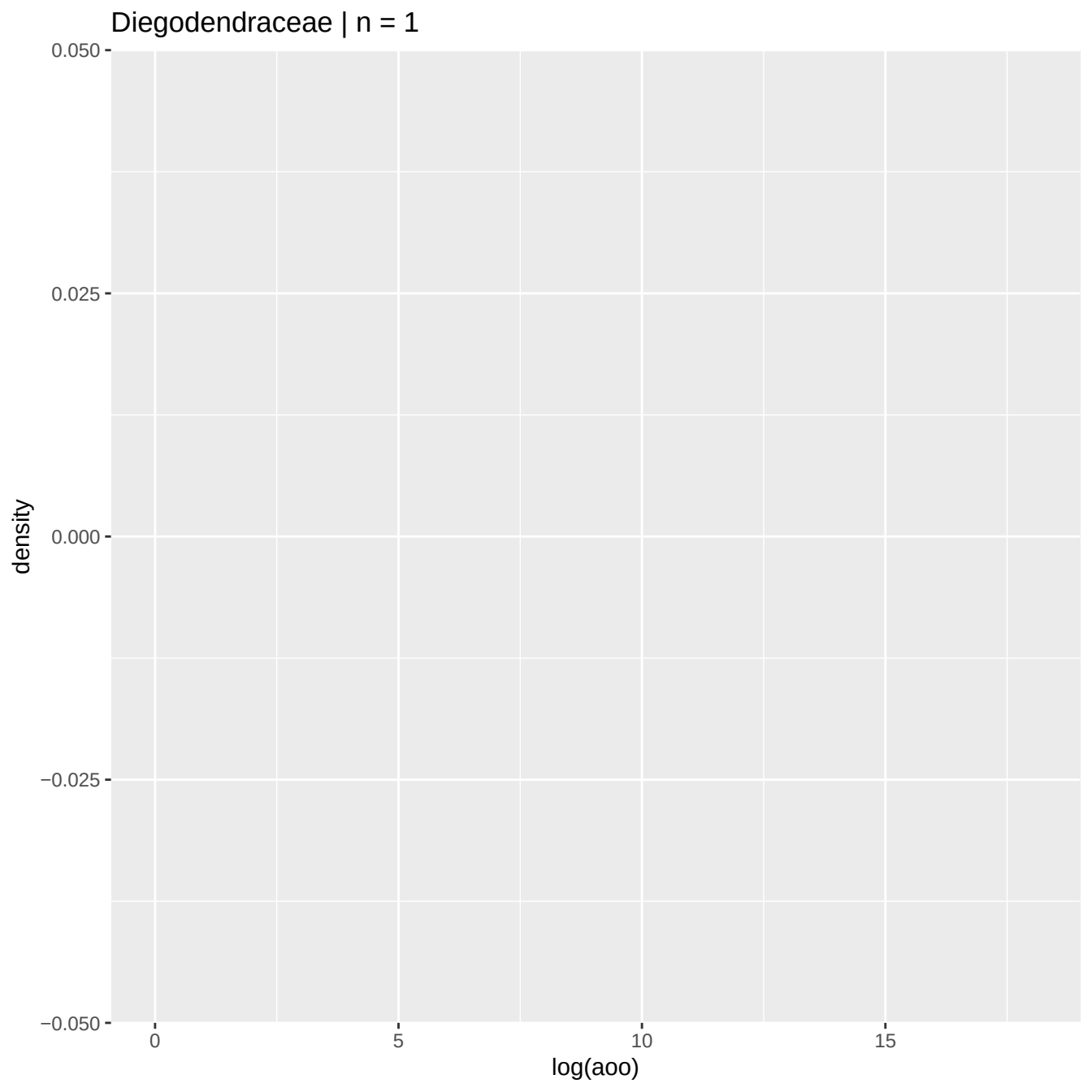

Cytinaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

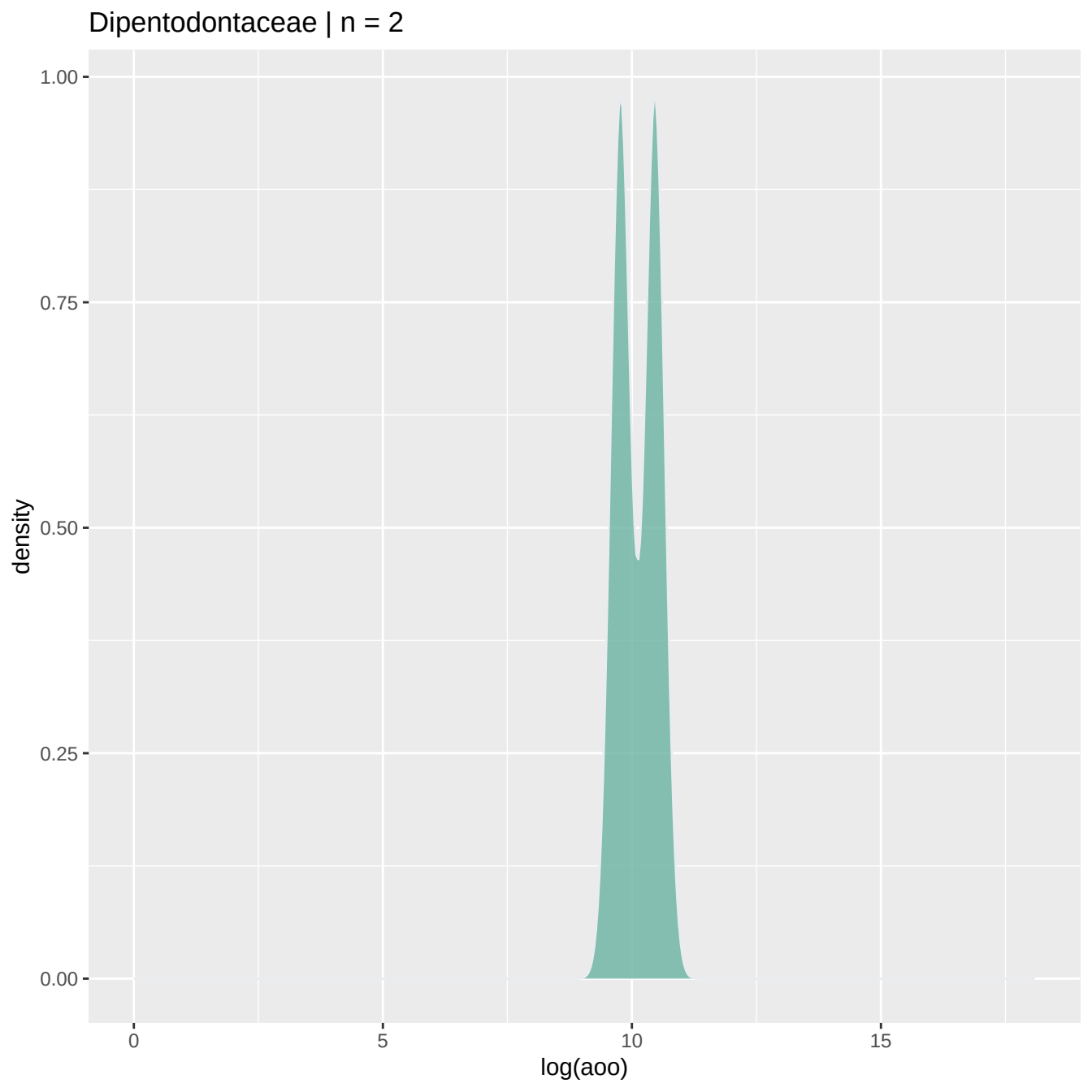

Datiscaceae | n = 2
density
log(aoo)
0
2
4
6
0
5
10
15

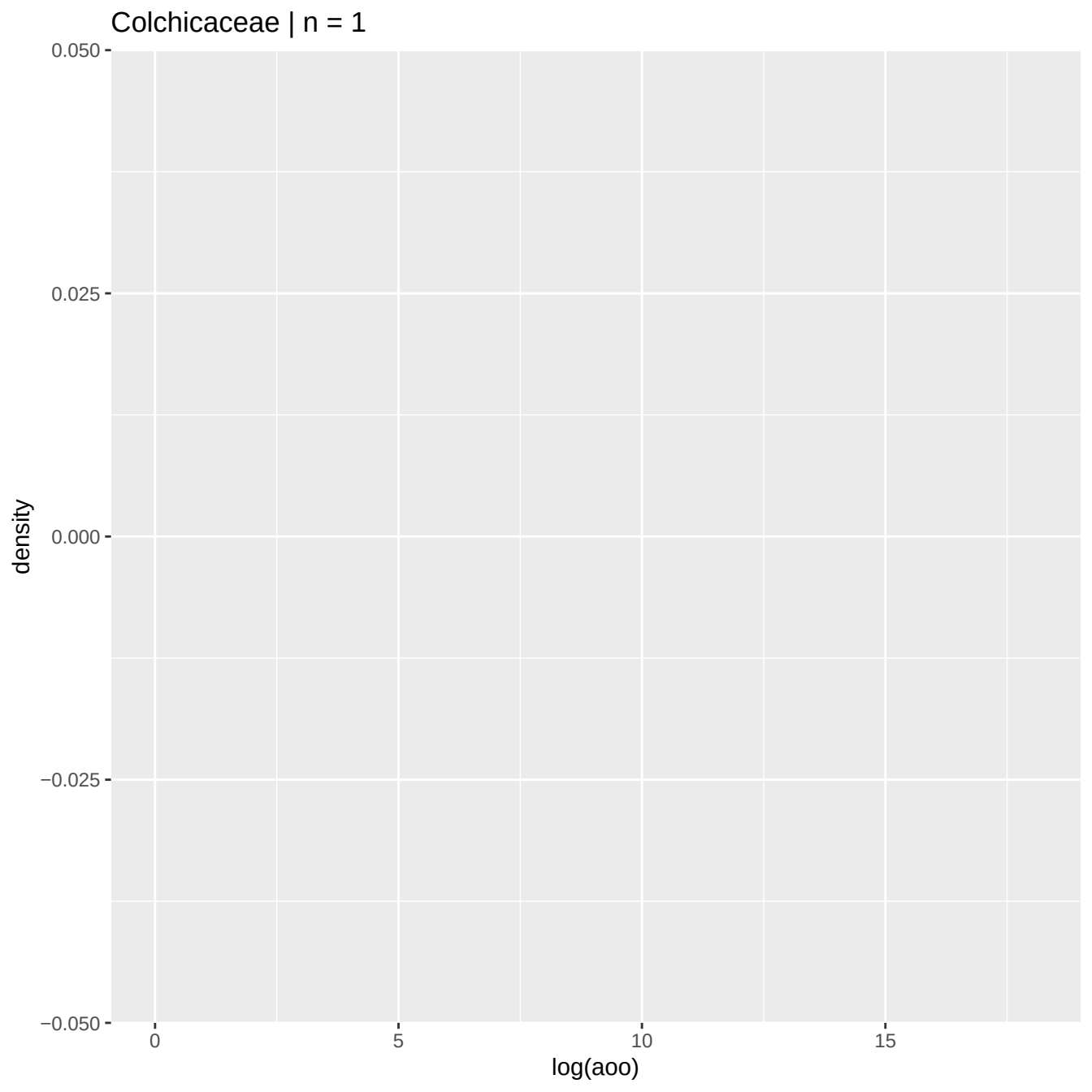

Irvingiaceae | n = 3
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

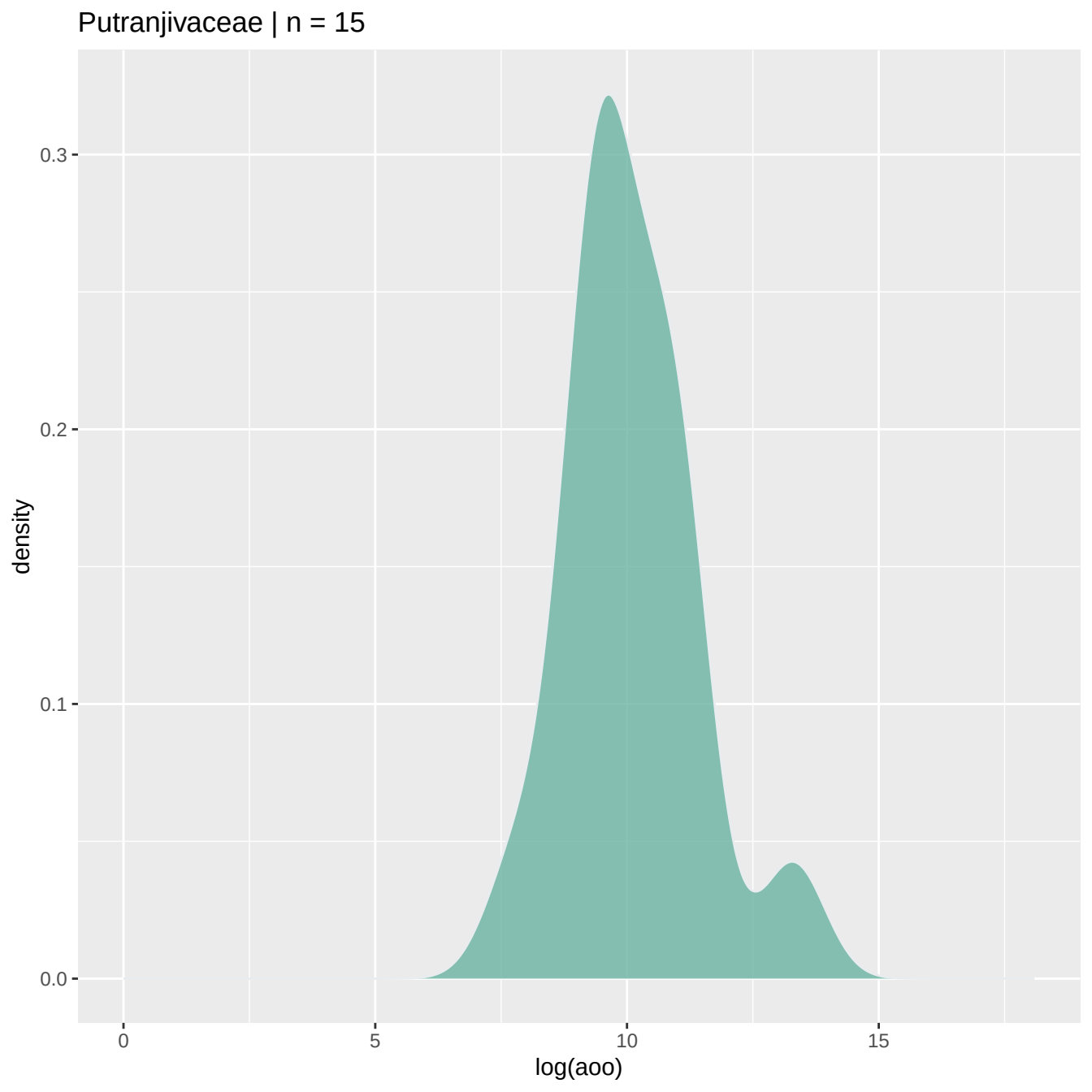

Dichapetalaceae | n = 6
density
0.3
0.2
0.1
0.0
0
5
10
15
log(aoo)

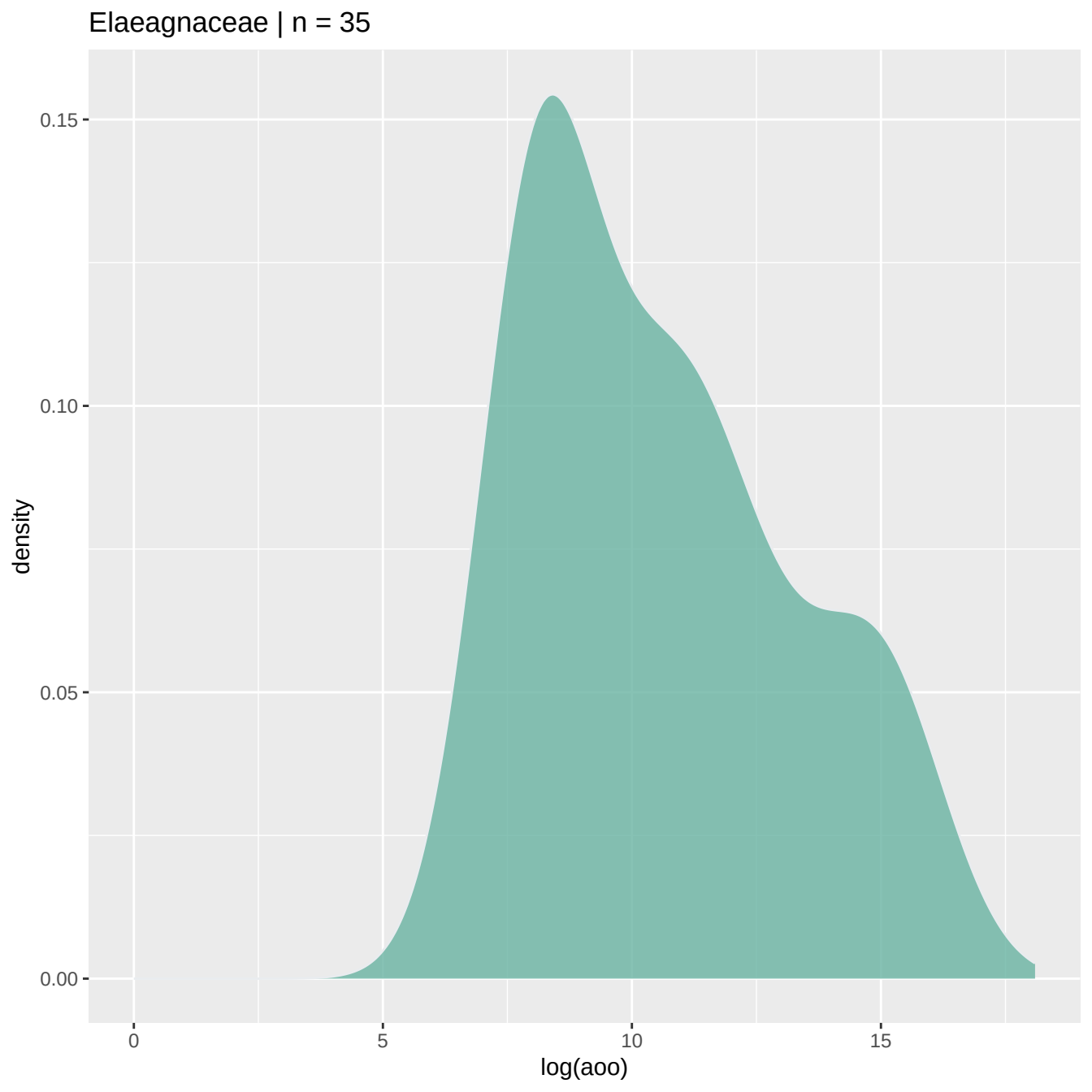

Muntingiaceae | n = 2
0.12
0.08
0.04
0.00
density
0
5
10
15
log(aoo)

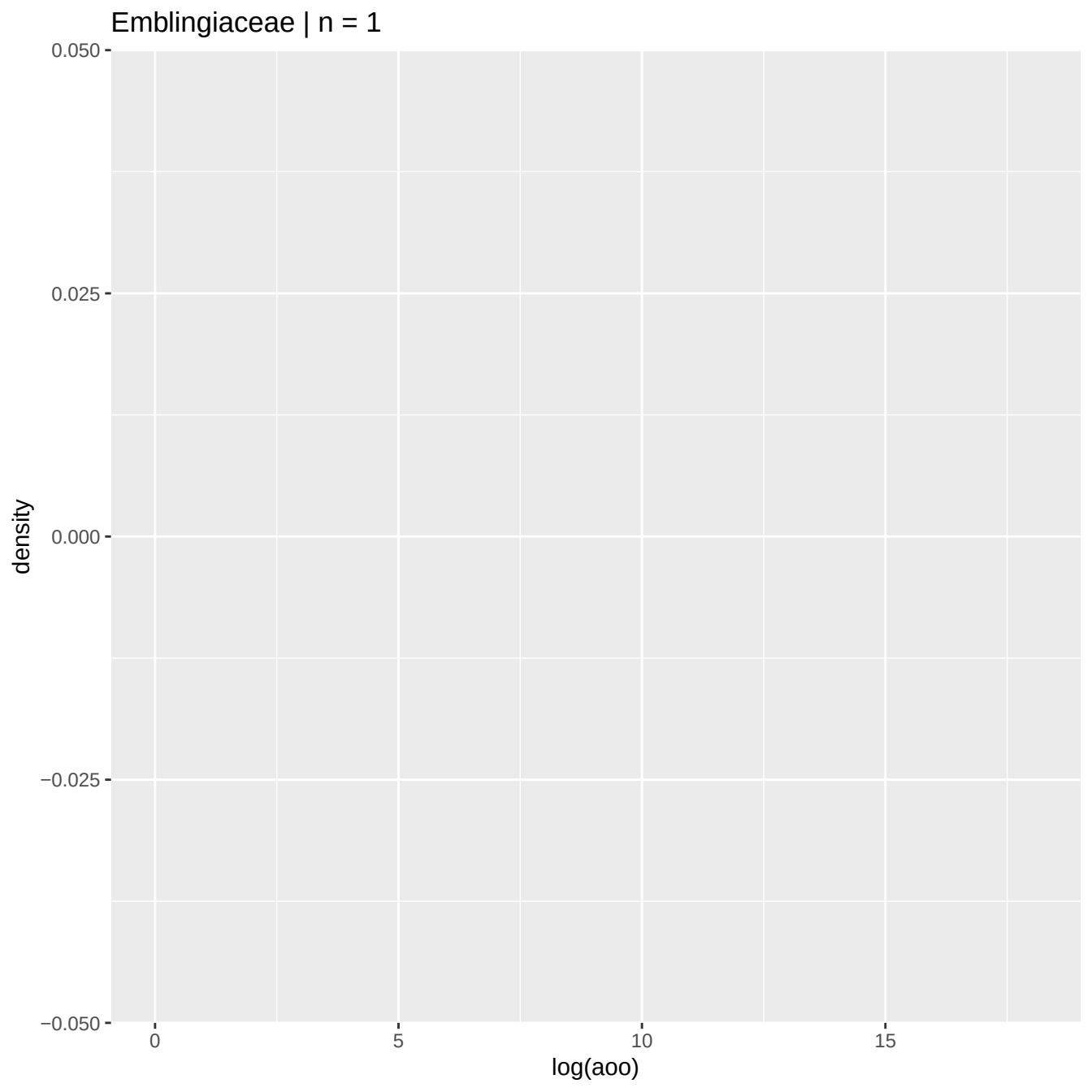

Diegodendraceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

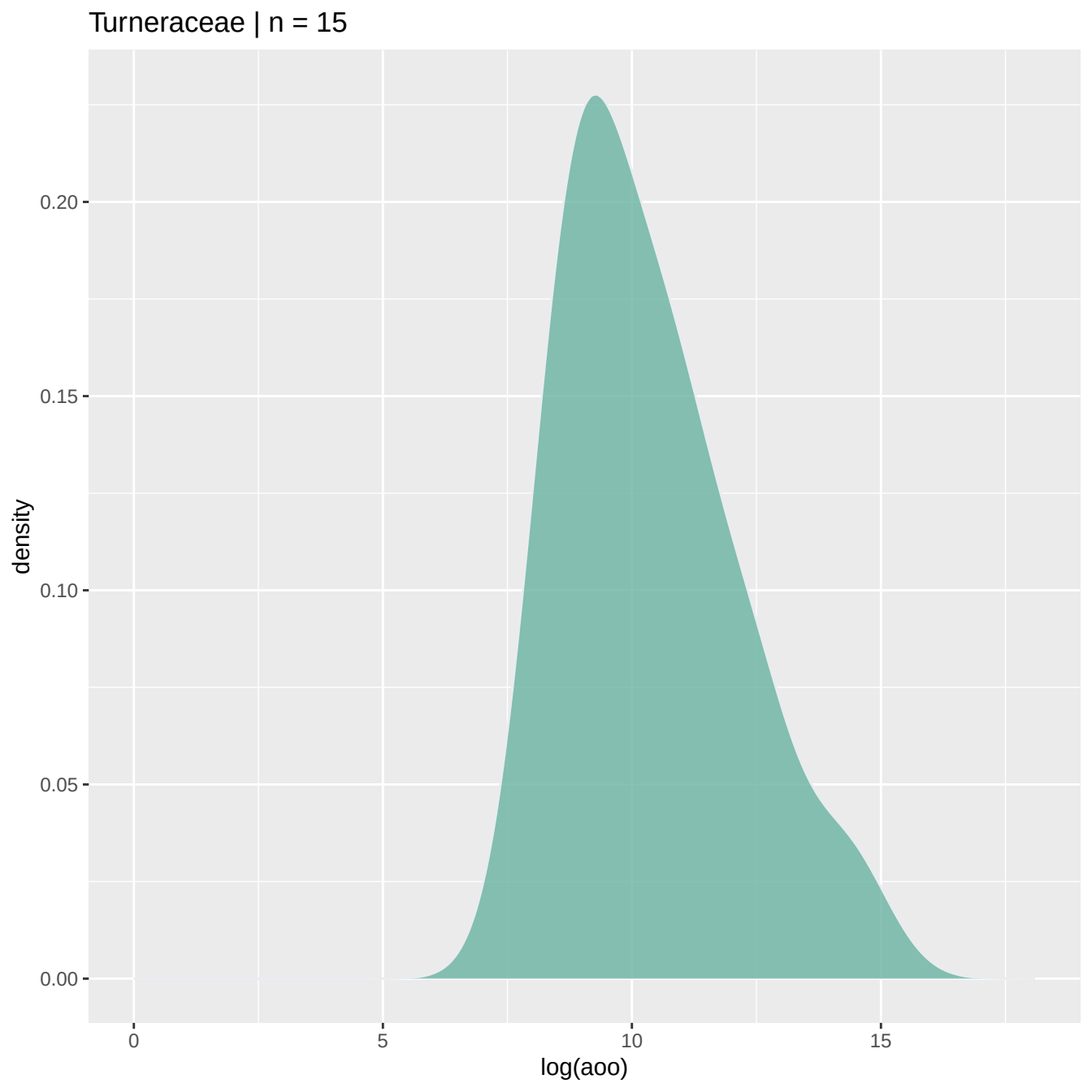

Dipentodontaceae | n = 2
1.00
0.75
0.50
0.25
0.00
density
0
5
10
15
log(aoo)

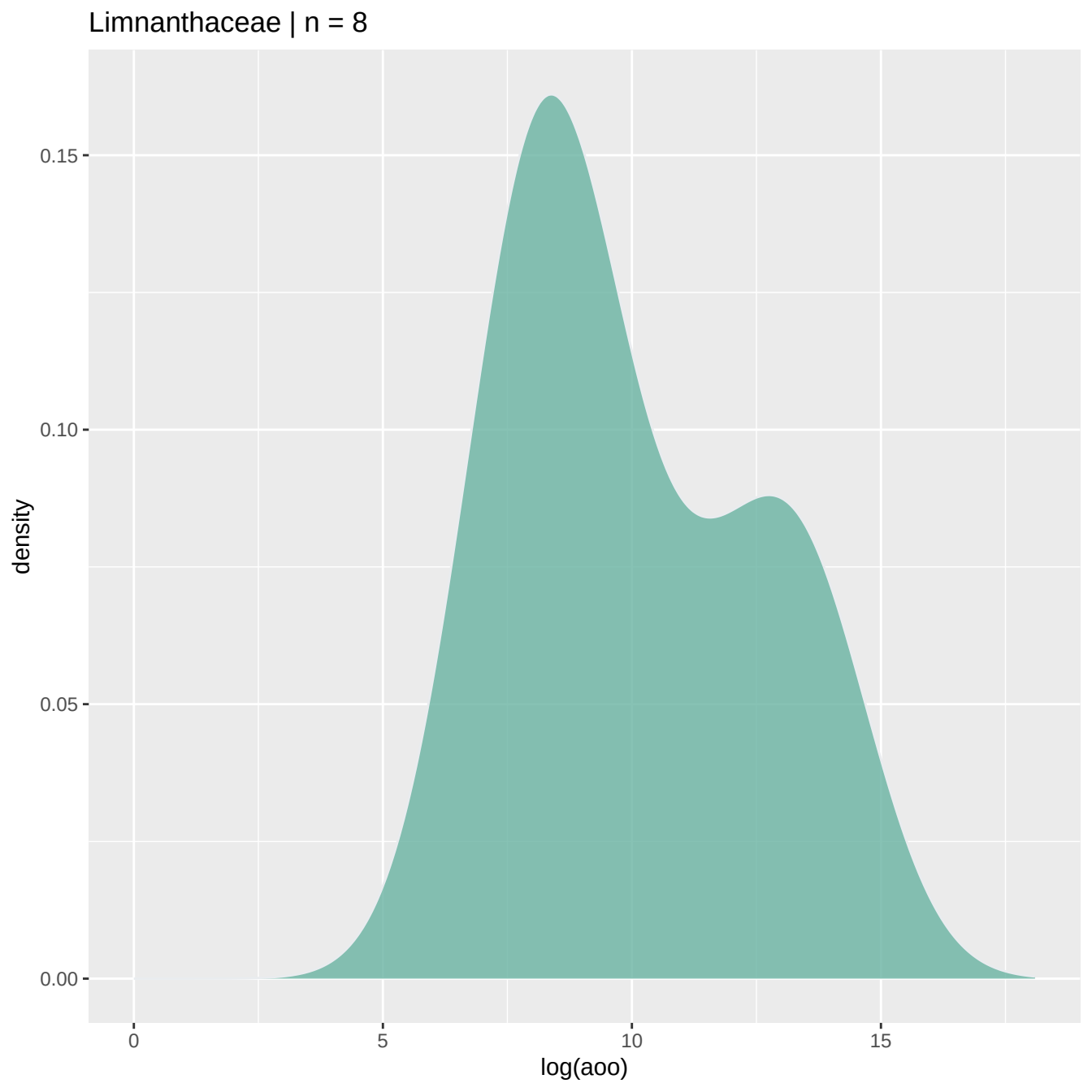

Colchicaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

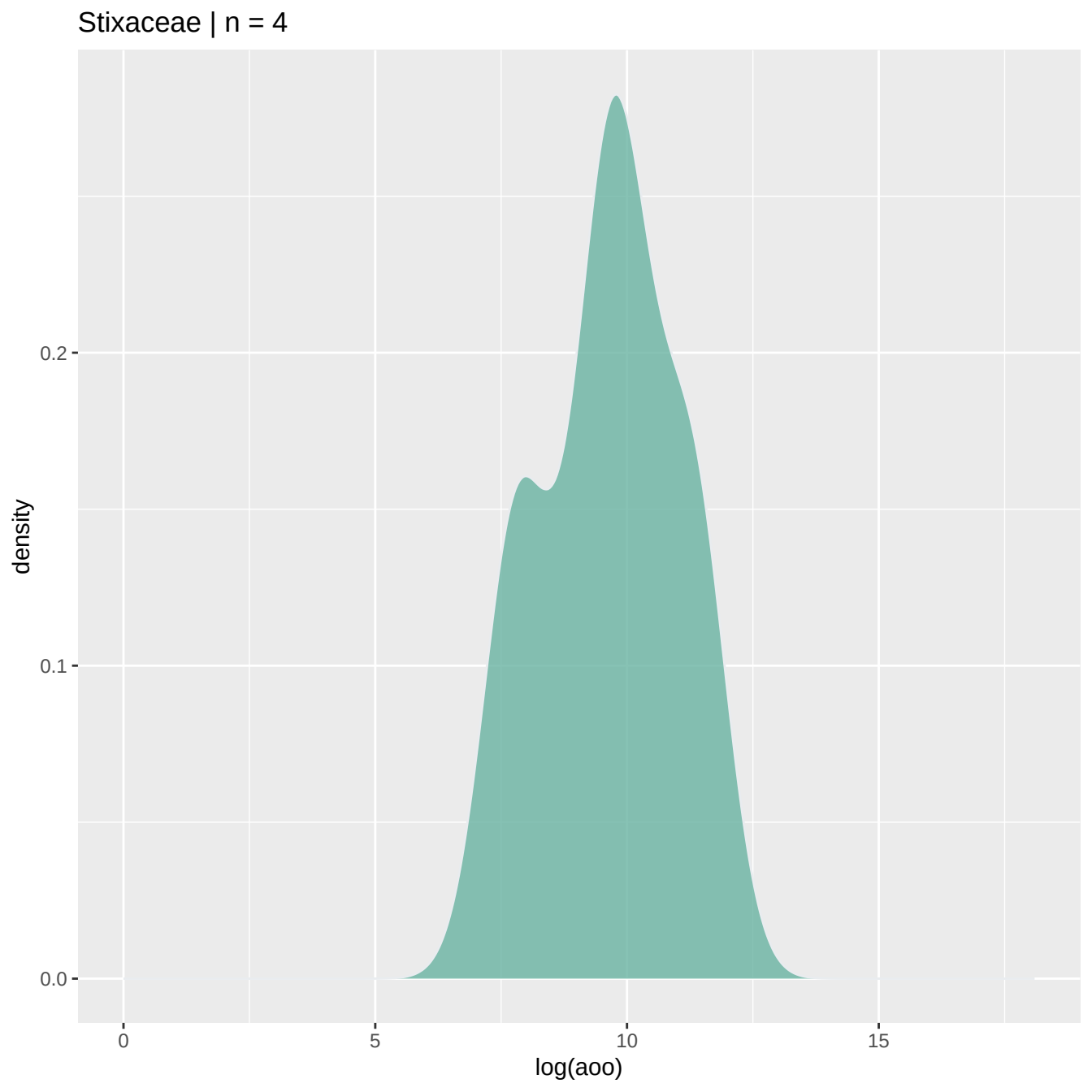

Putranjivaceae | n = 15
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

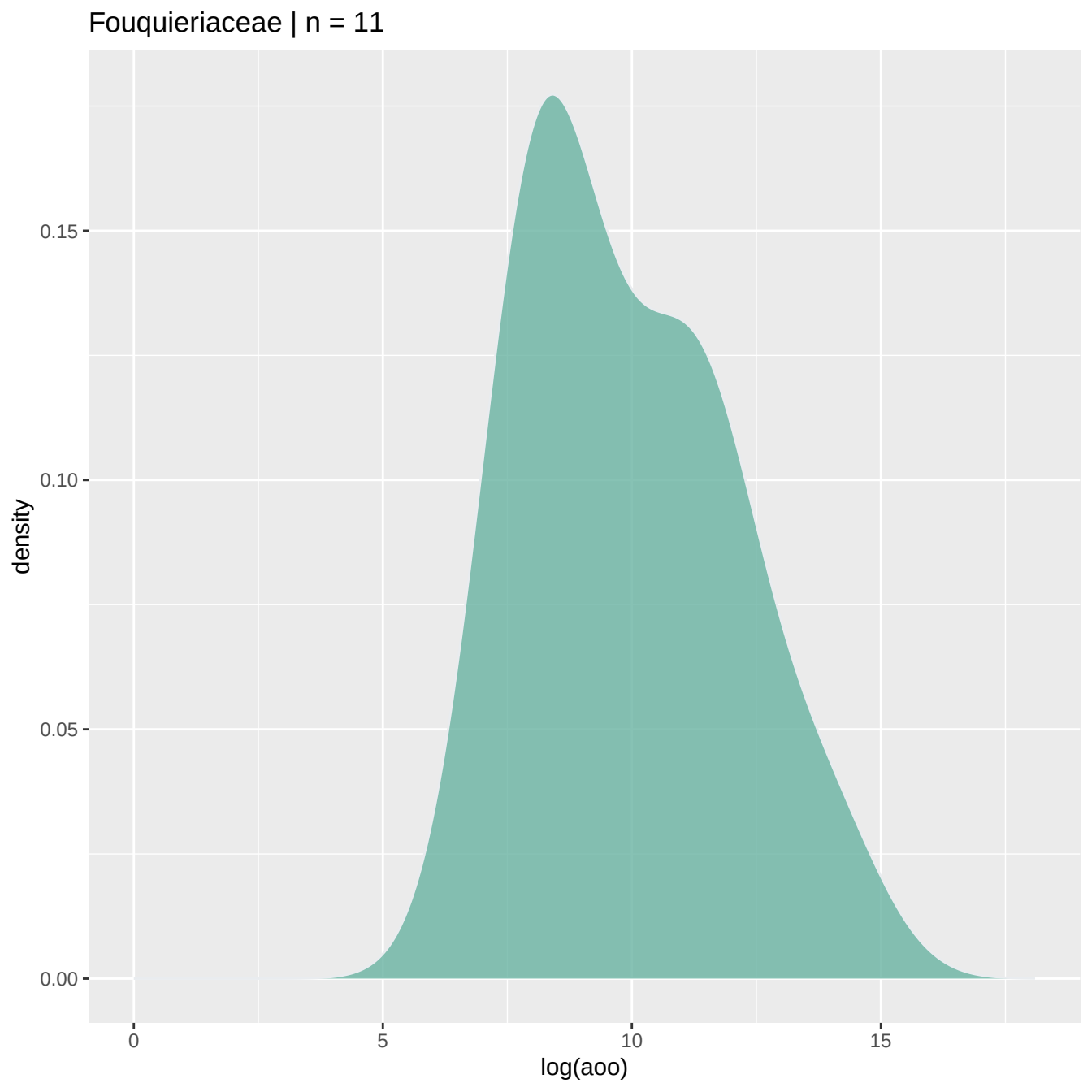

Elaeagnaceae | n = 35
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

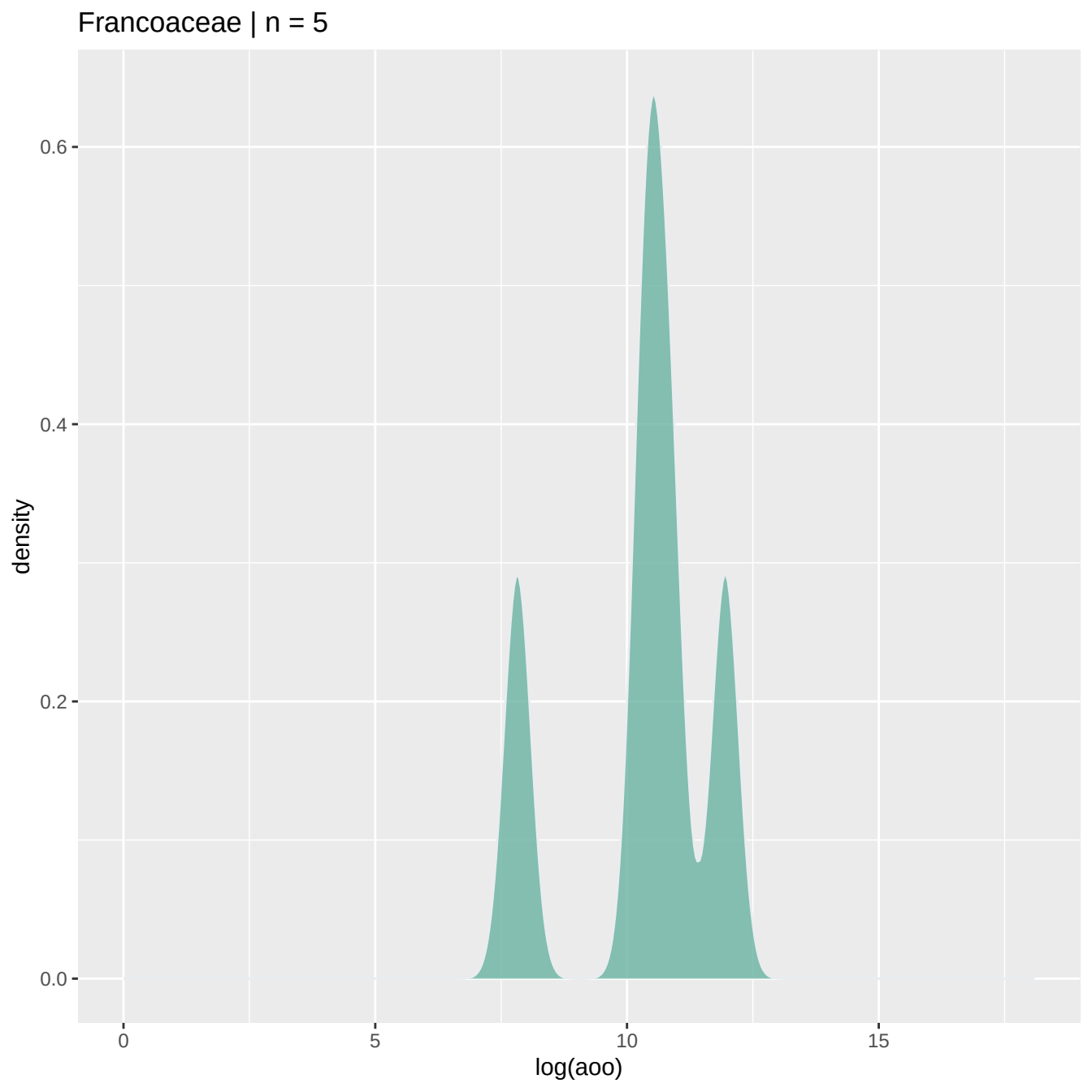

Emblingiaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

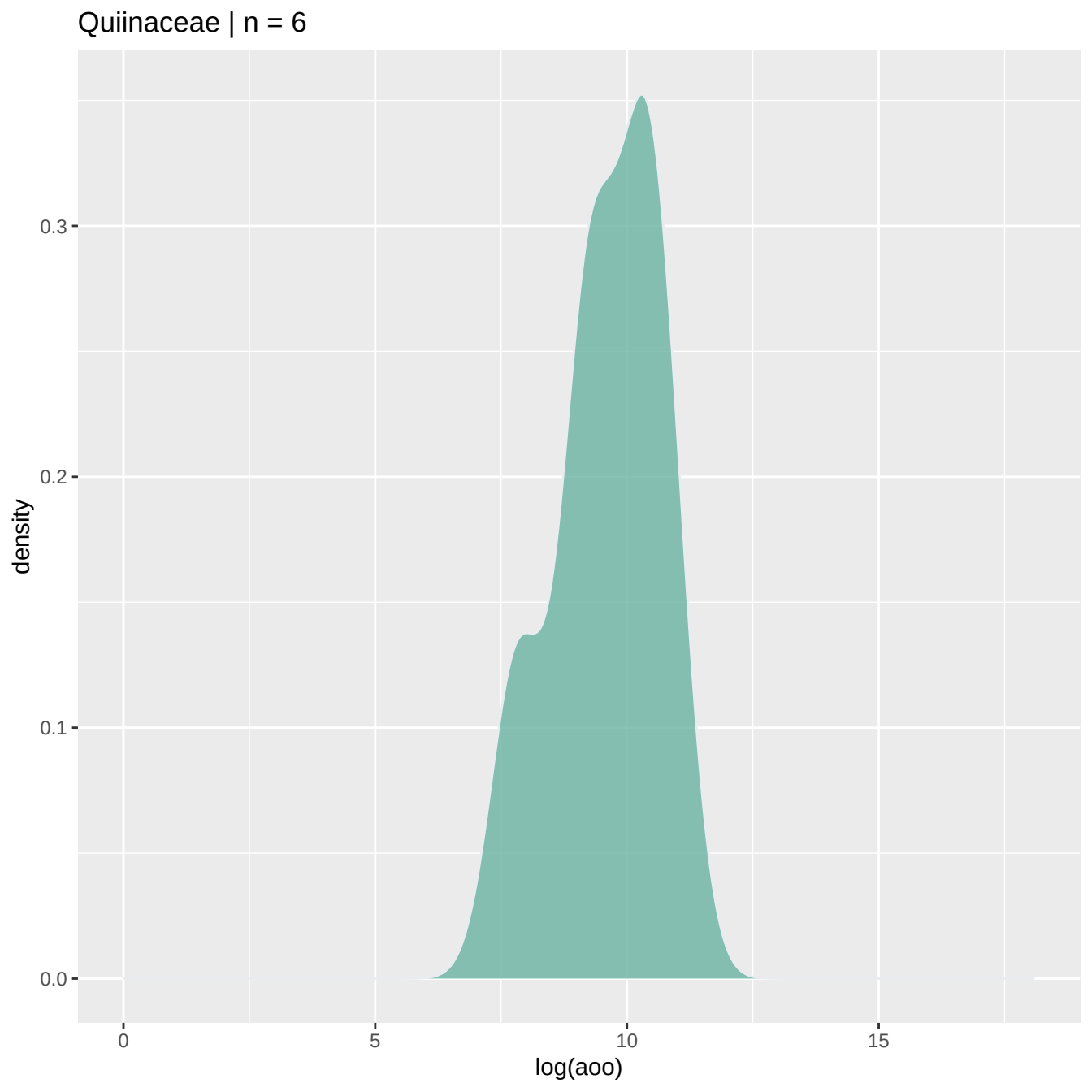

Turneraceae | n = 15
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

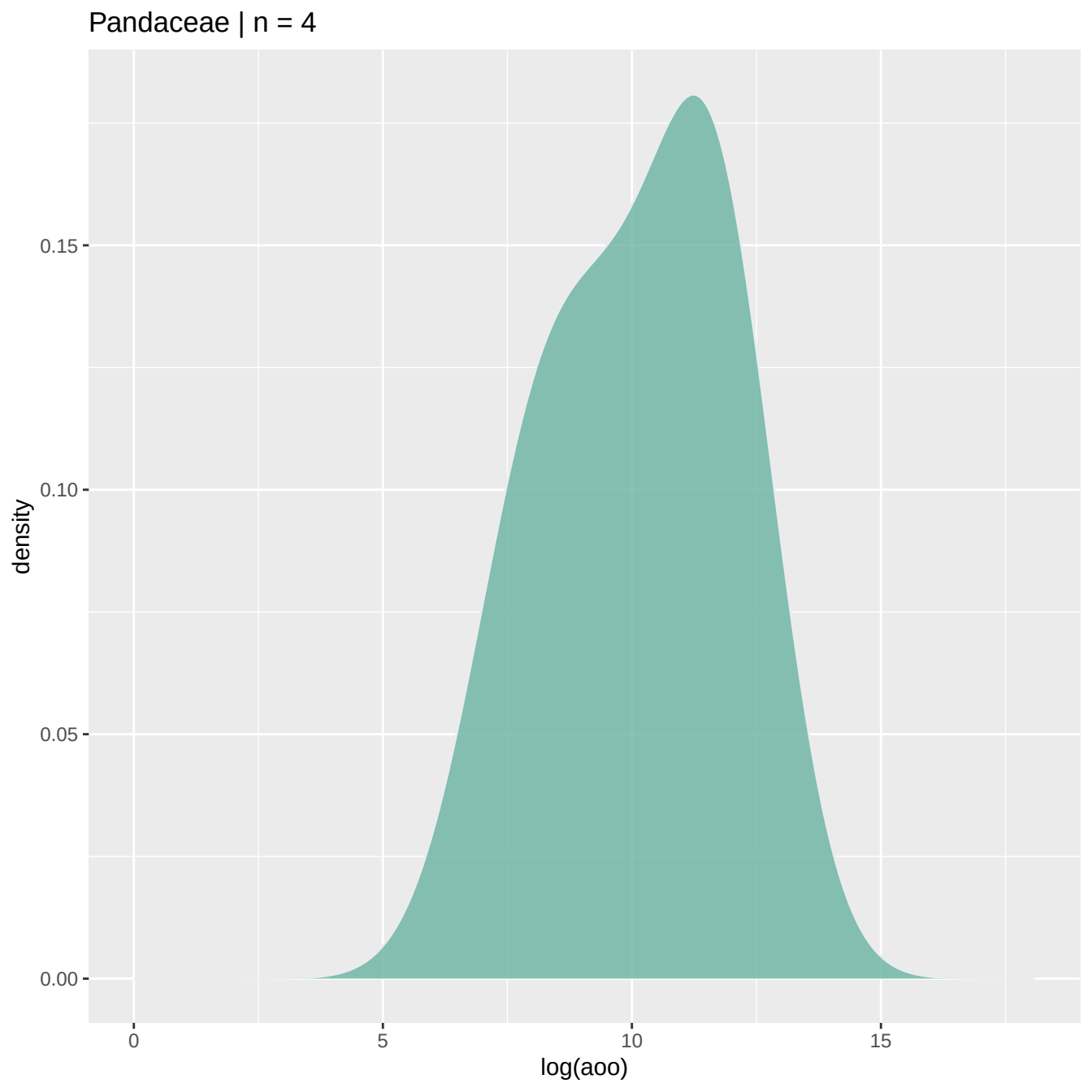

Limnanthaceae | n = 8
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

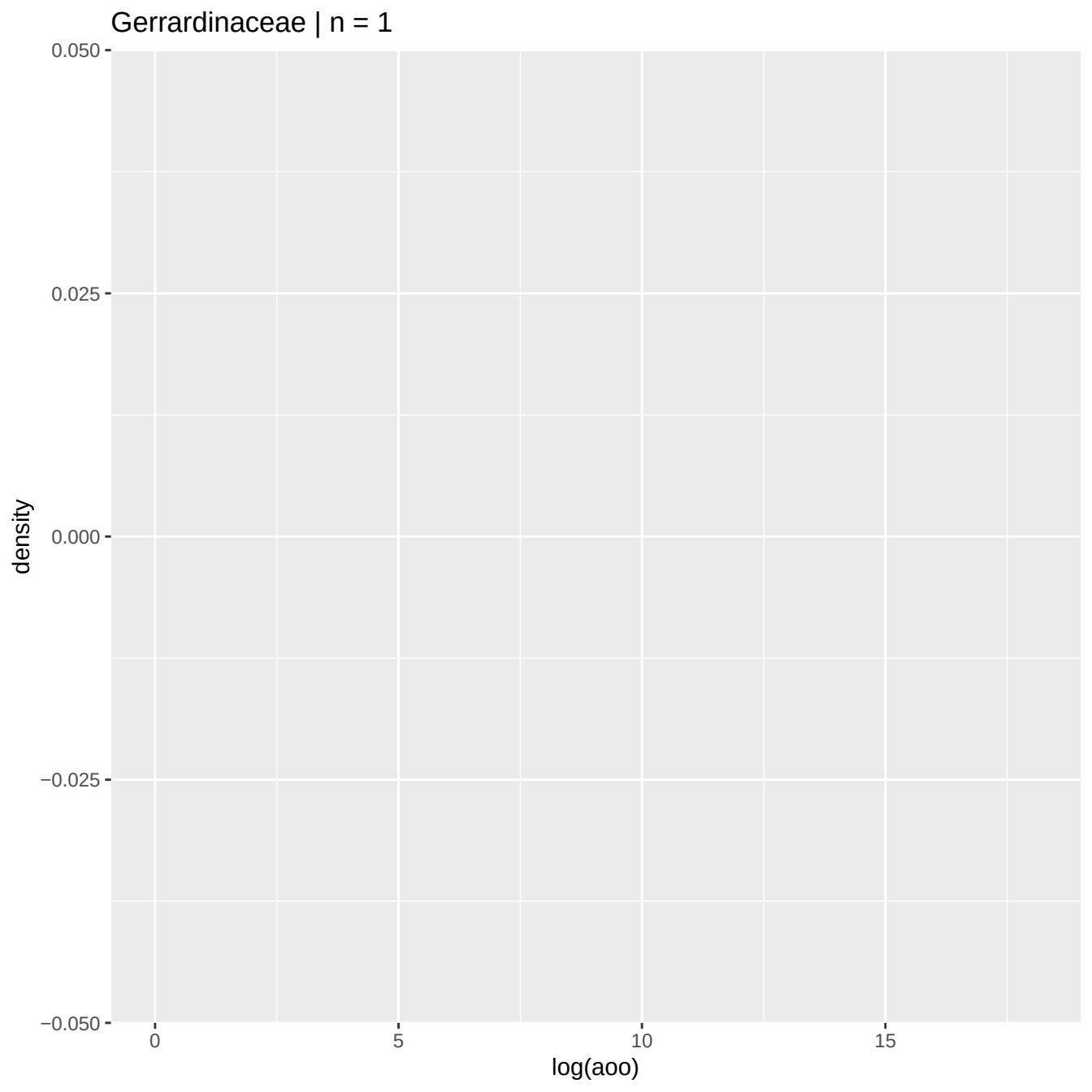

Stixaceae | n = 4
density
0.0
0.1
0.2
0
5
10
15
log(aoo)

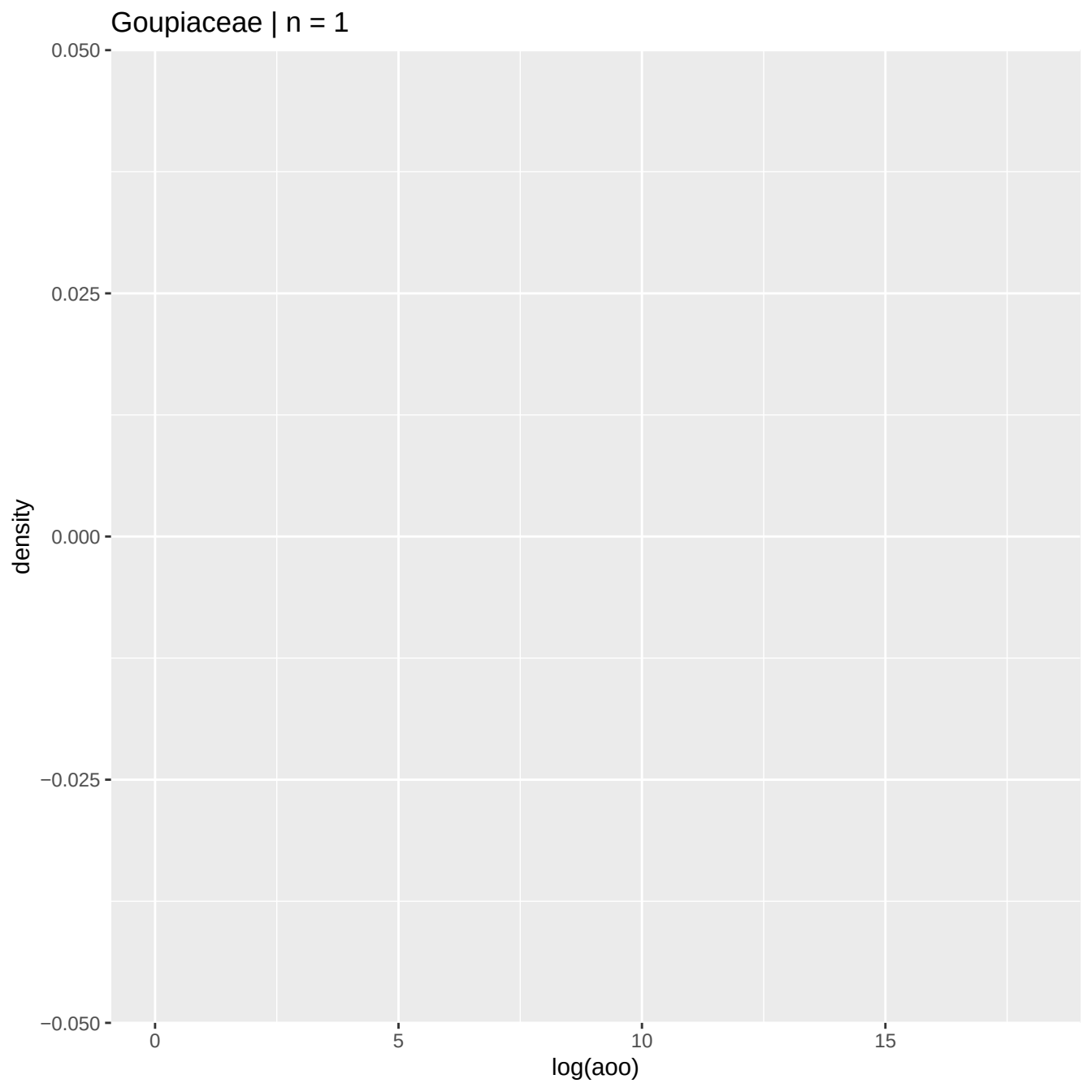

Fouquieriaceae | n = 11
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

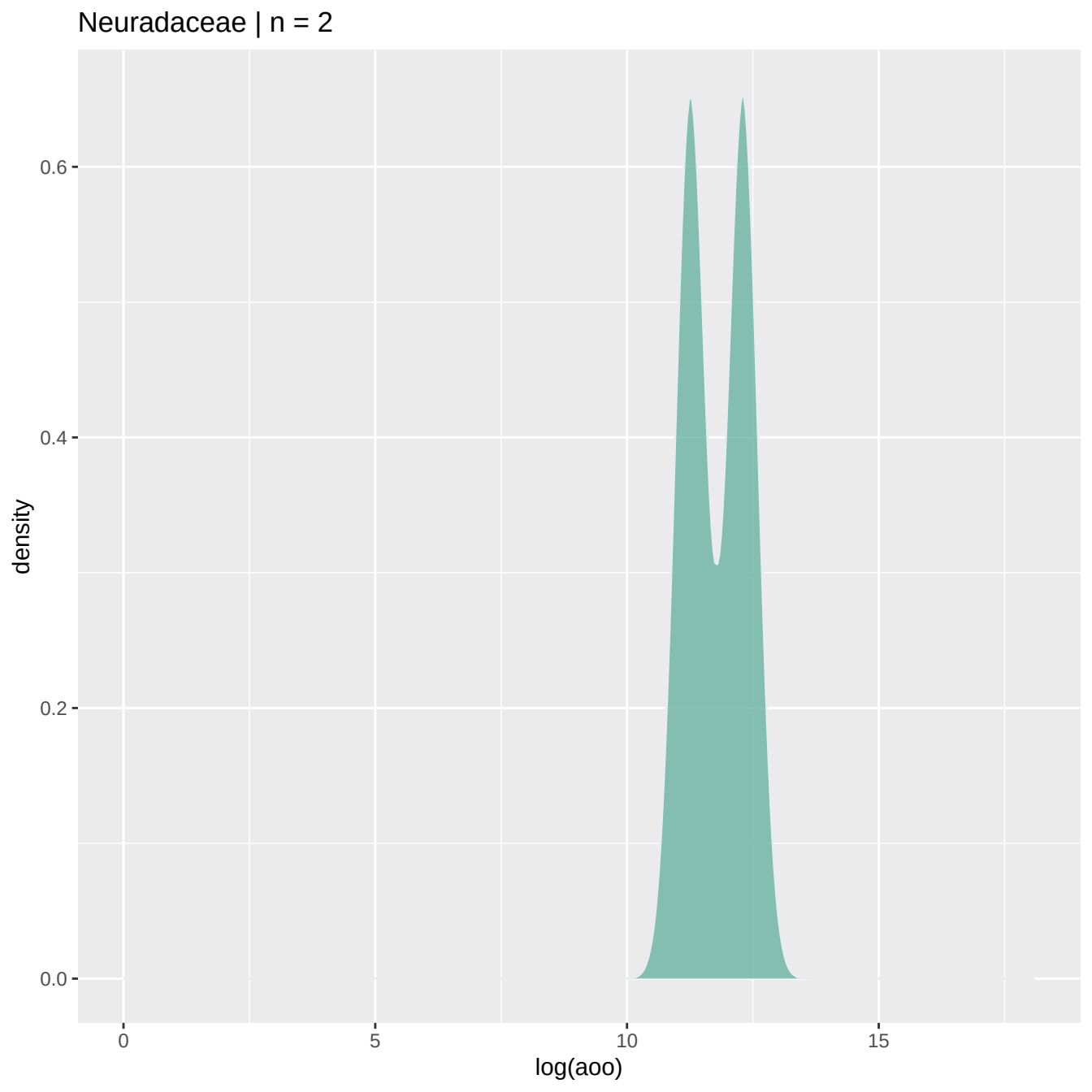

Francoaceae | n = 5
density
0.0
0.2
0.4
0.6
0
5
10
15
log(aoo)

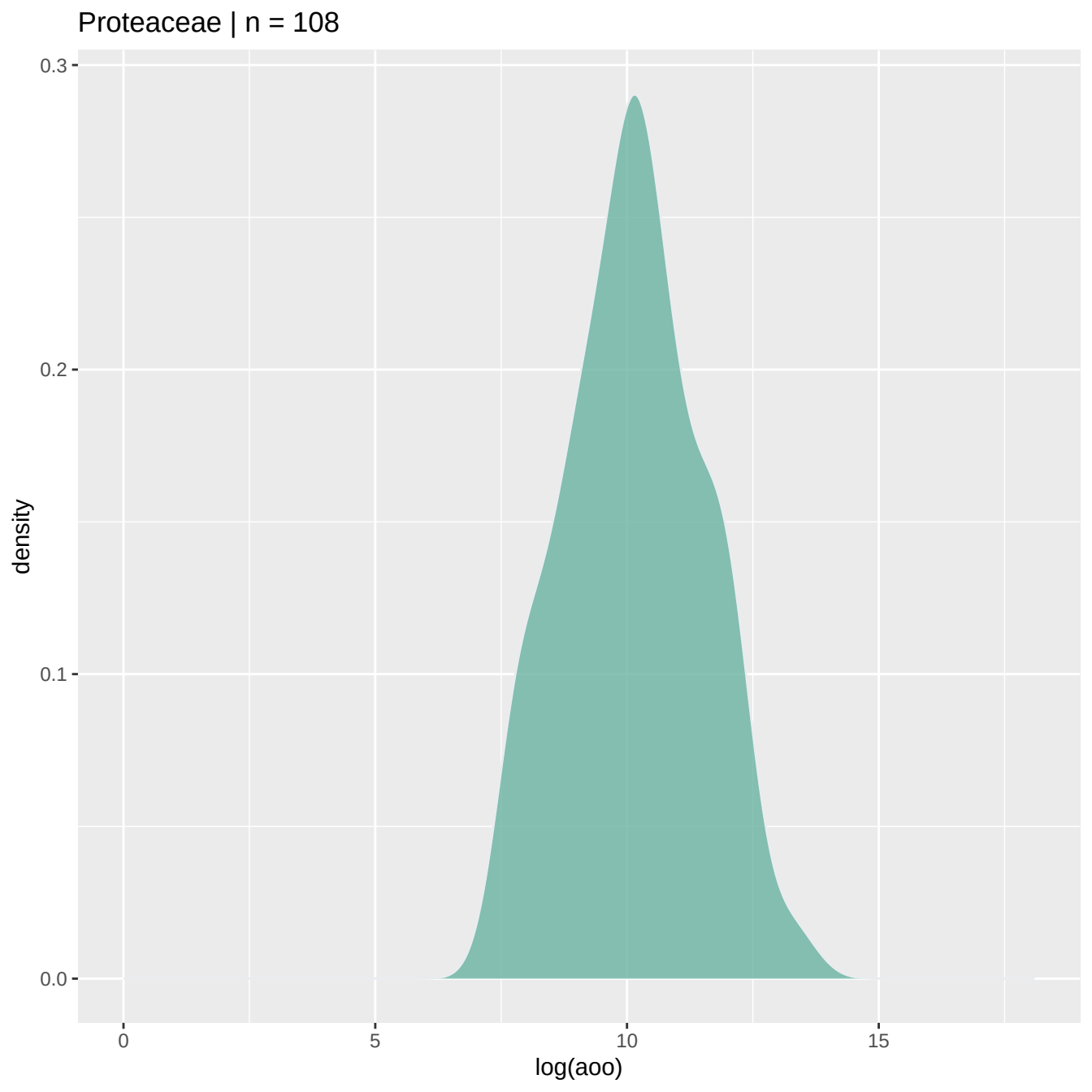

Quiinaceae | n = 6
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

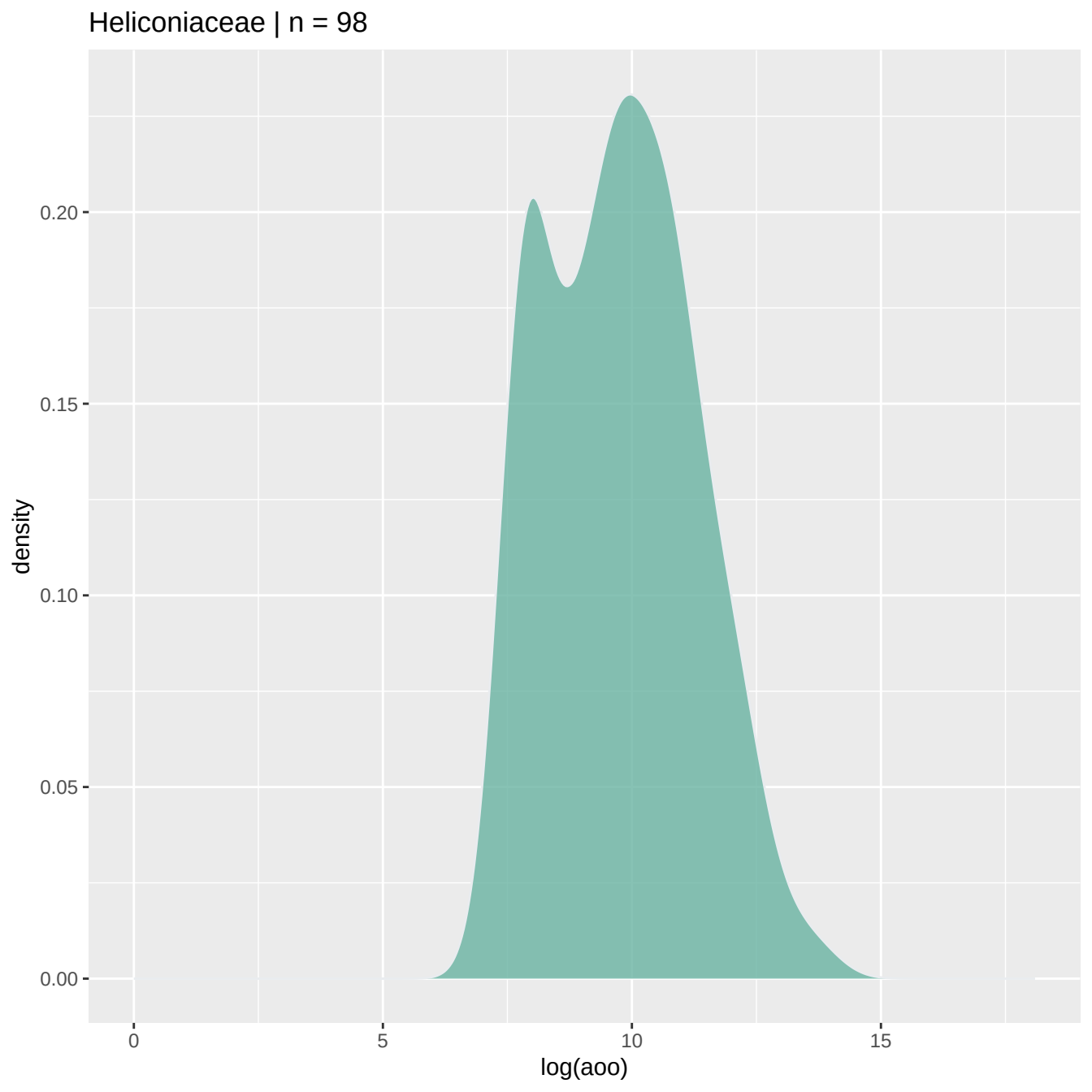

Pandaceae | n = 4
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

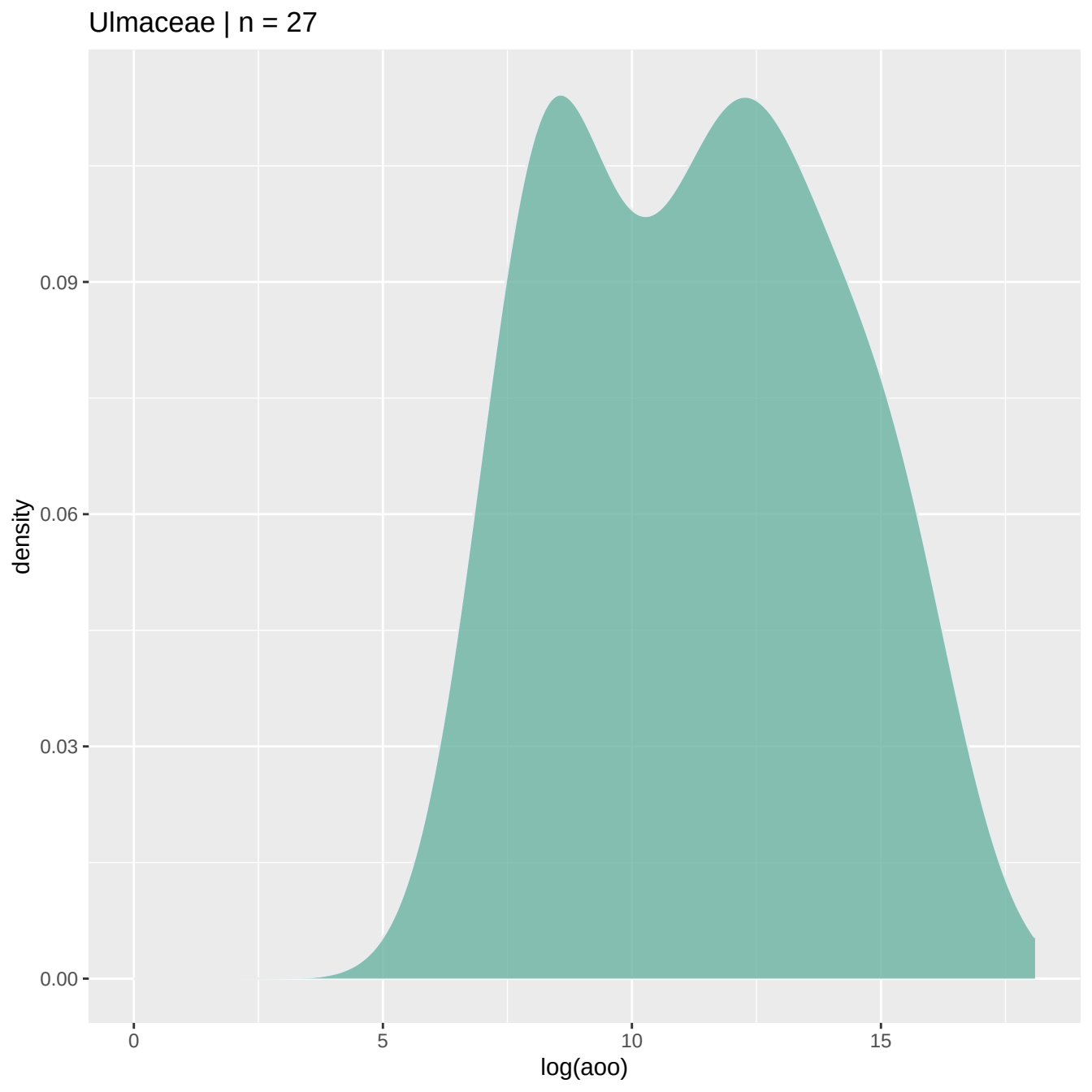

Gerrardinaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

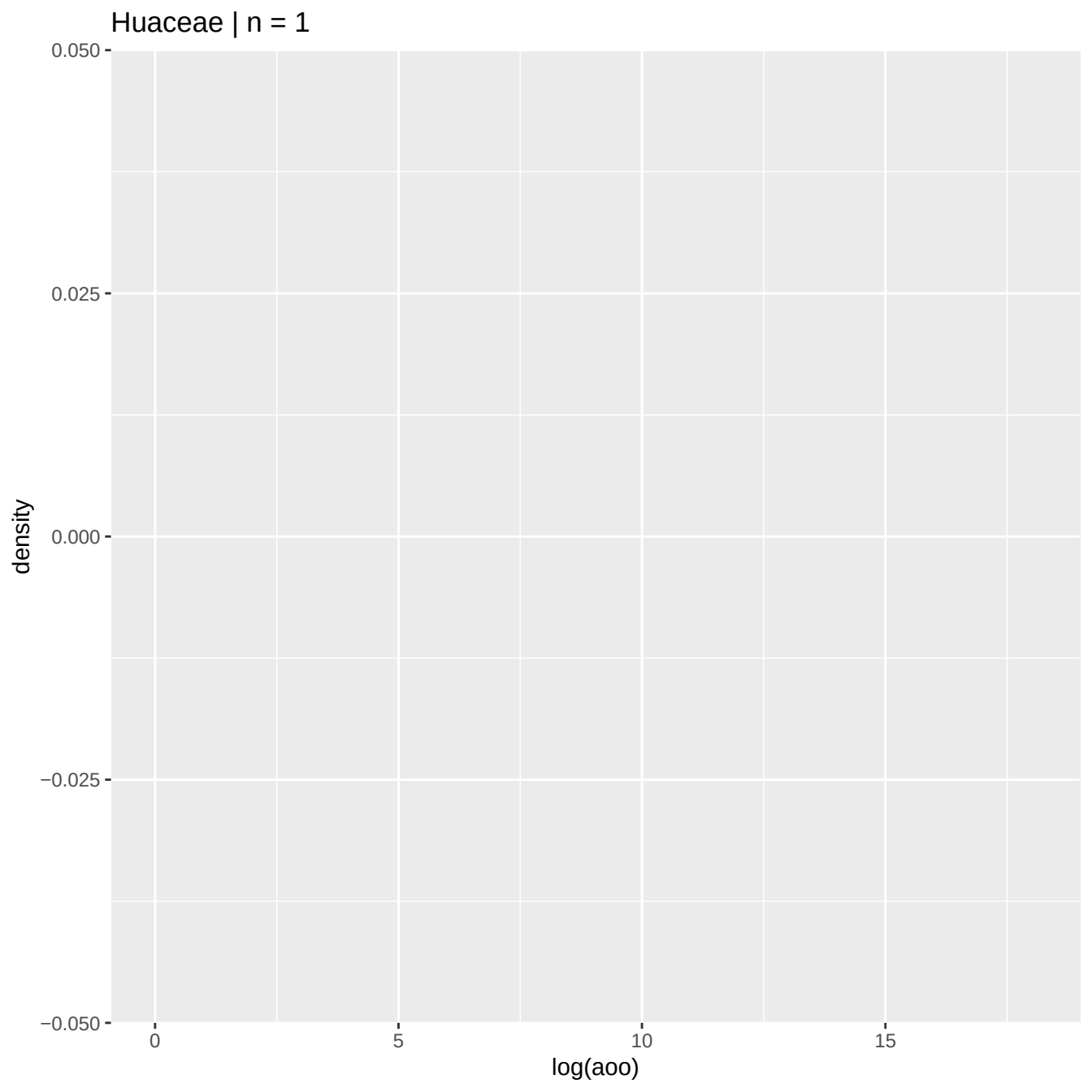

Goupiaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

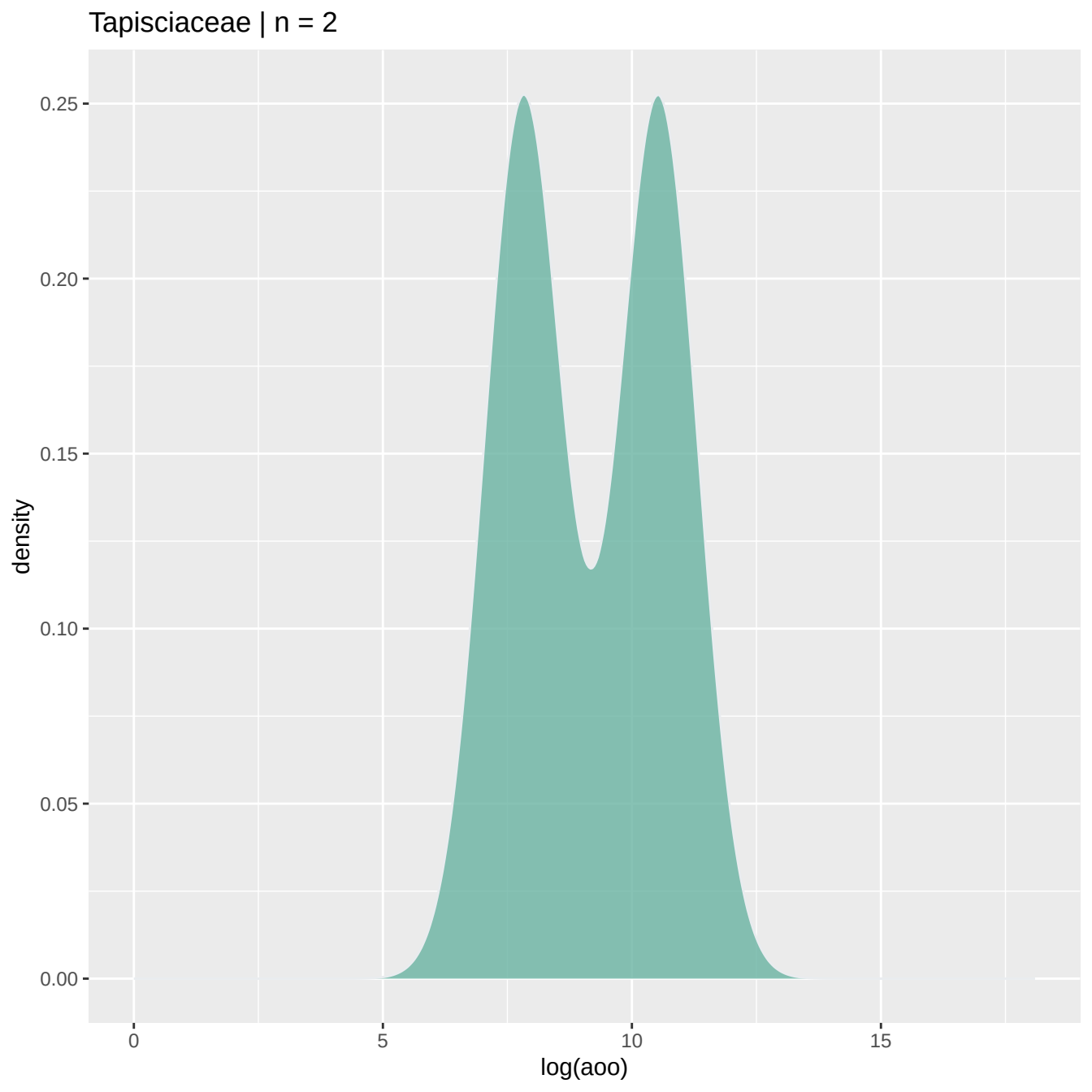

Neuradaceae | n = 2
density
0.0
0.2
0.4
0.6
0
5
10
15
log(aoo)

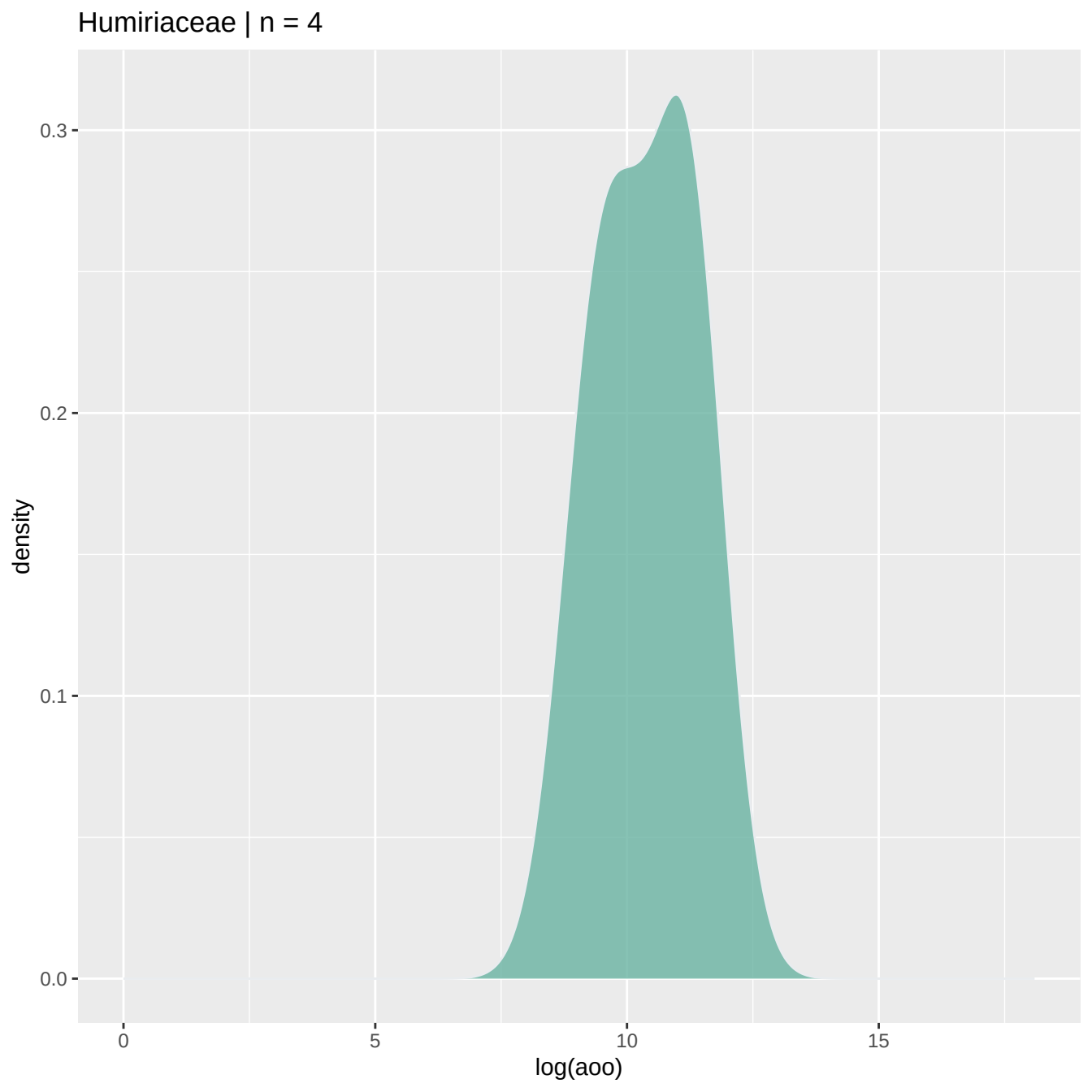

Proteaceae | n = 108
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

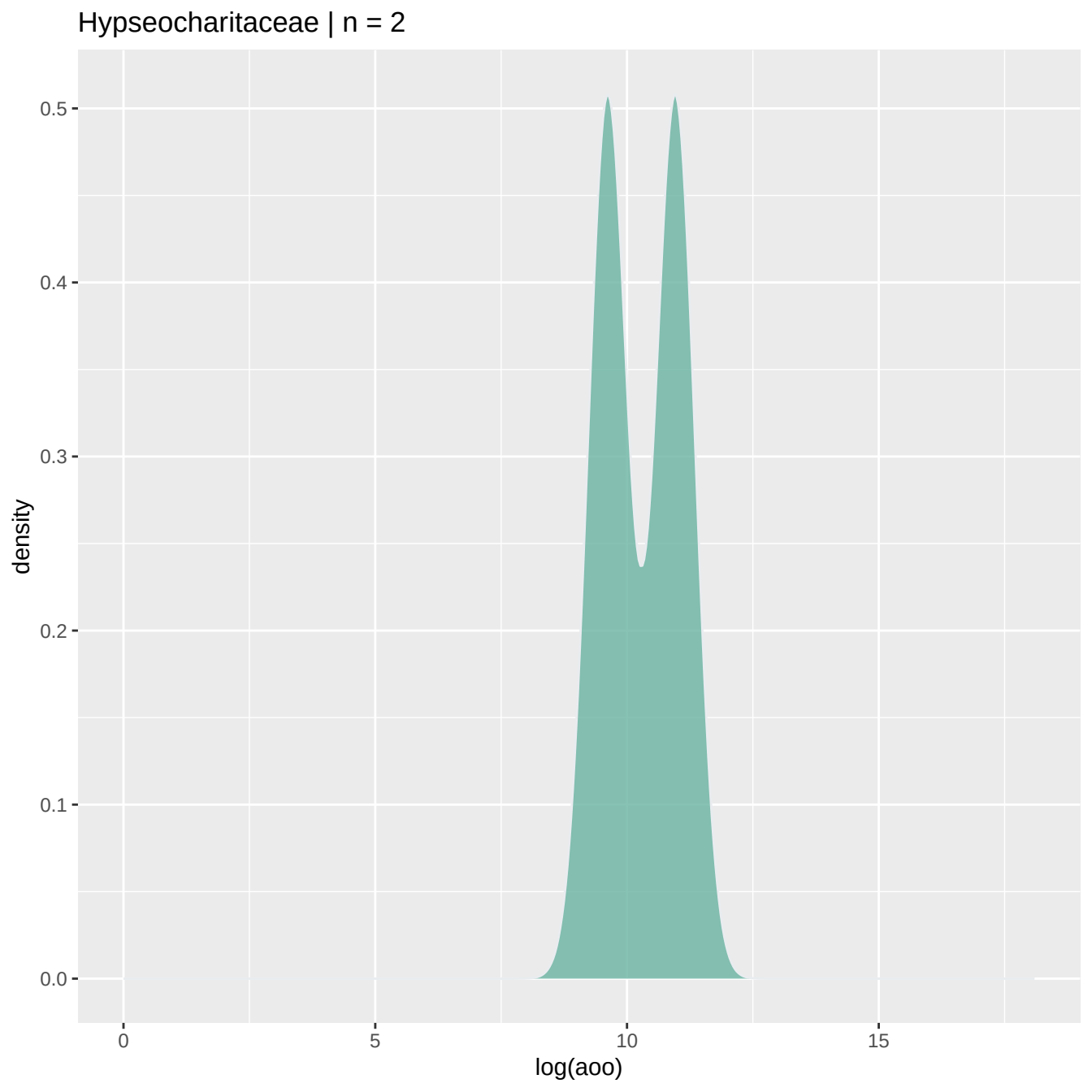

Heliconiaceae | n = 98
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

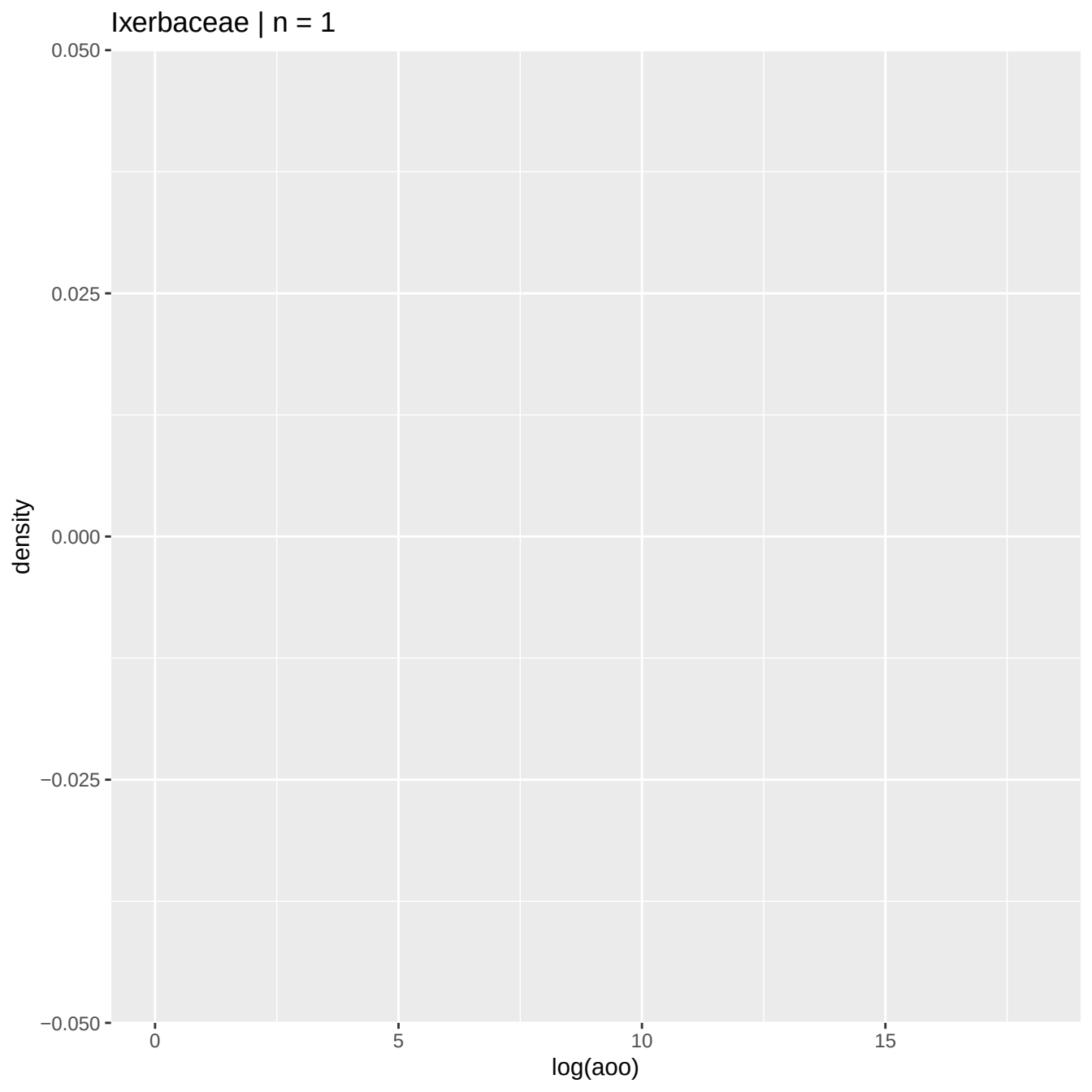

Ulmaceae | n = 27
density
0.09
0.06
0.03
0.00
0
5
10
15
log(aoo)

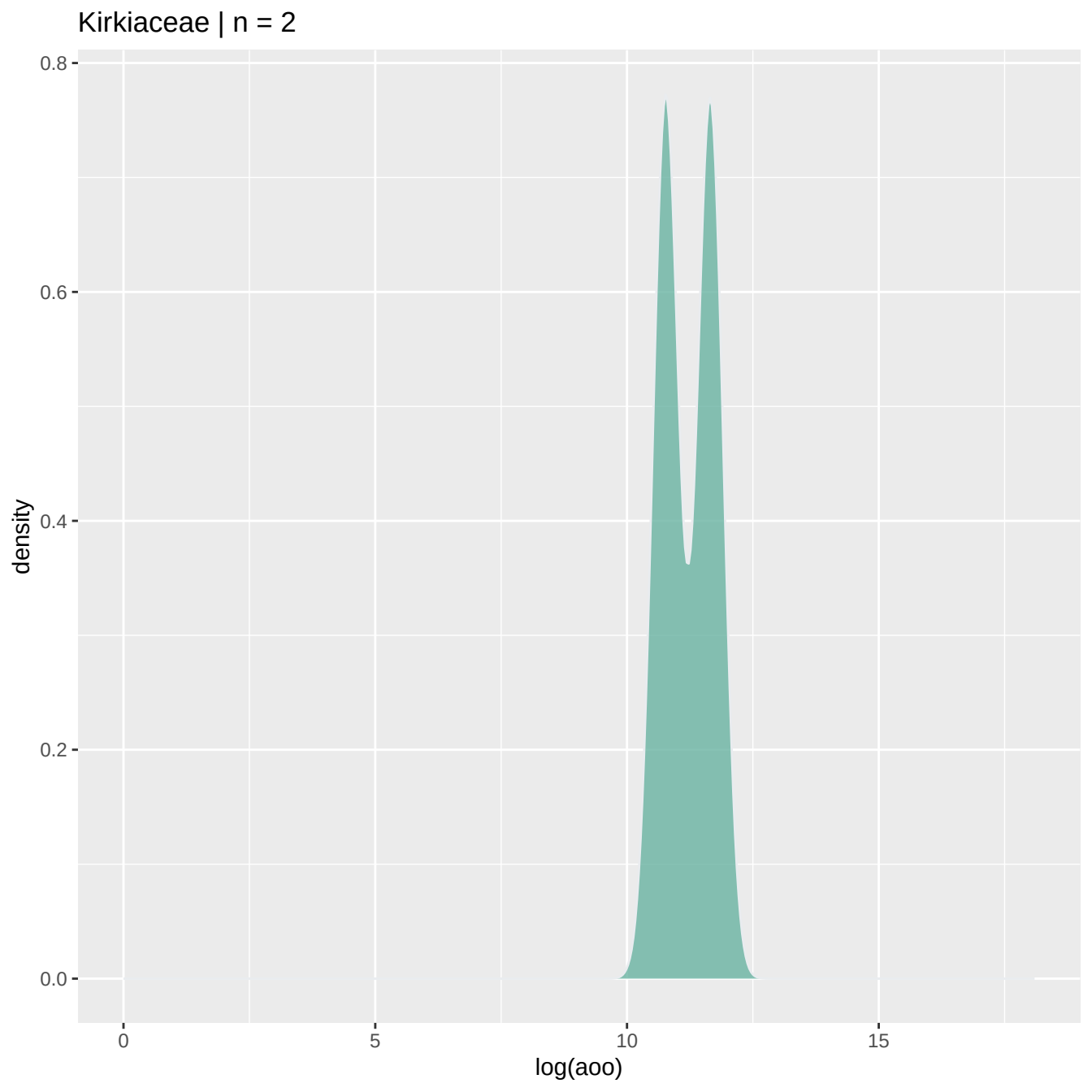

Huaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

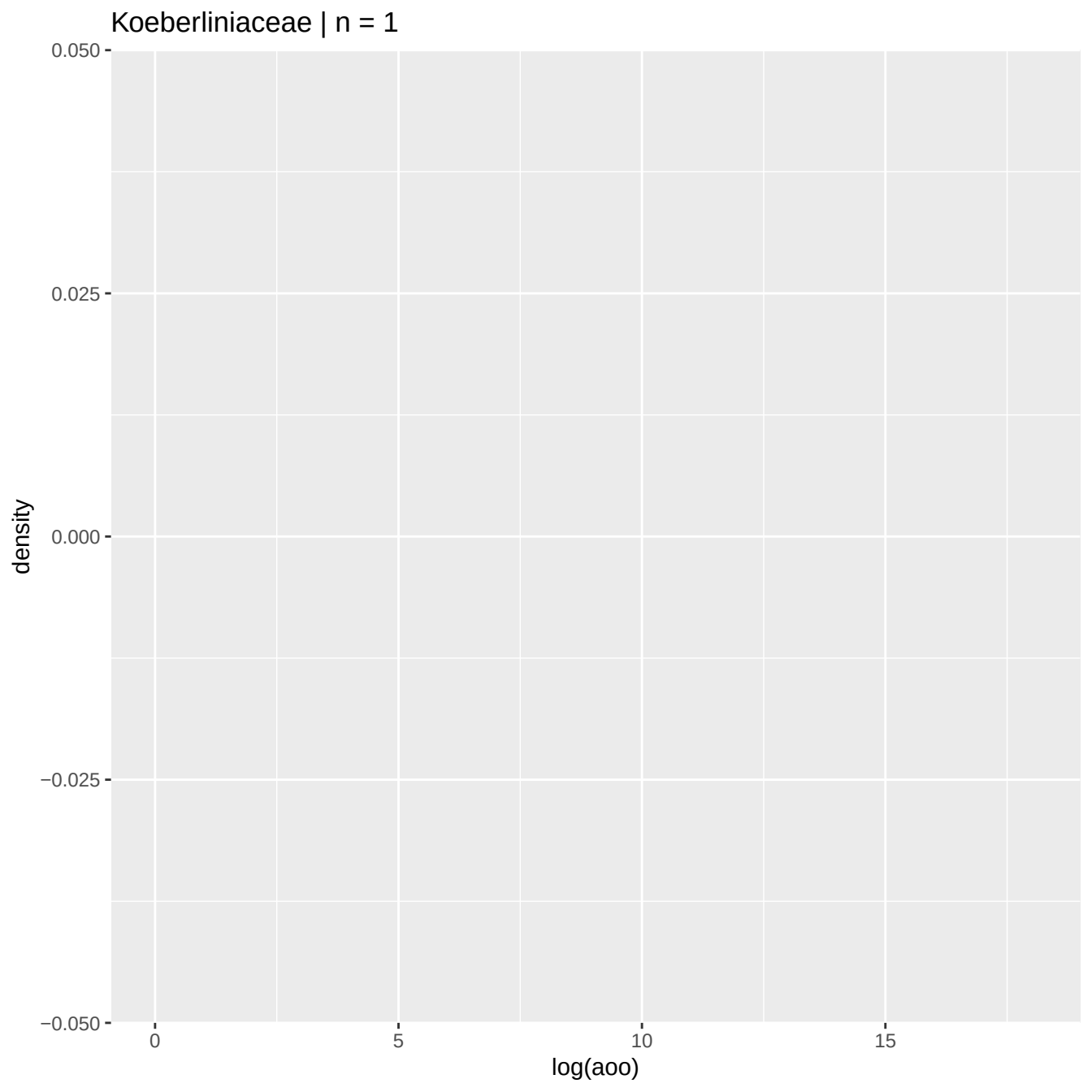

Tapisciaceae | n = 2
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

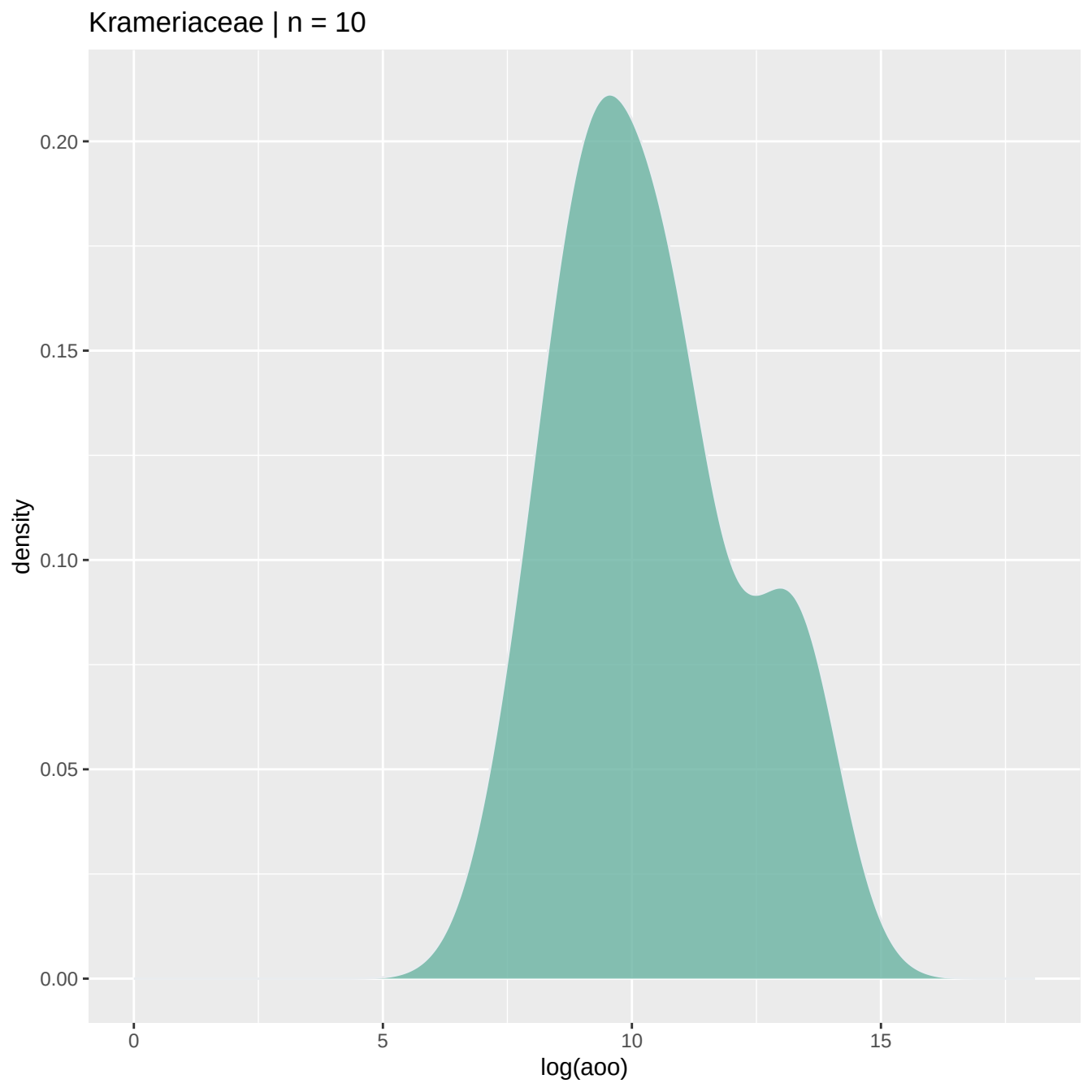

Humiriaceae | n = 4
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

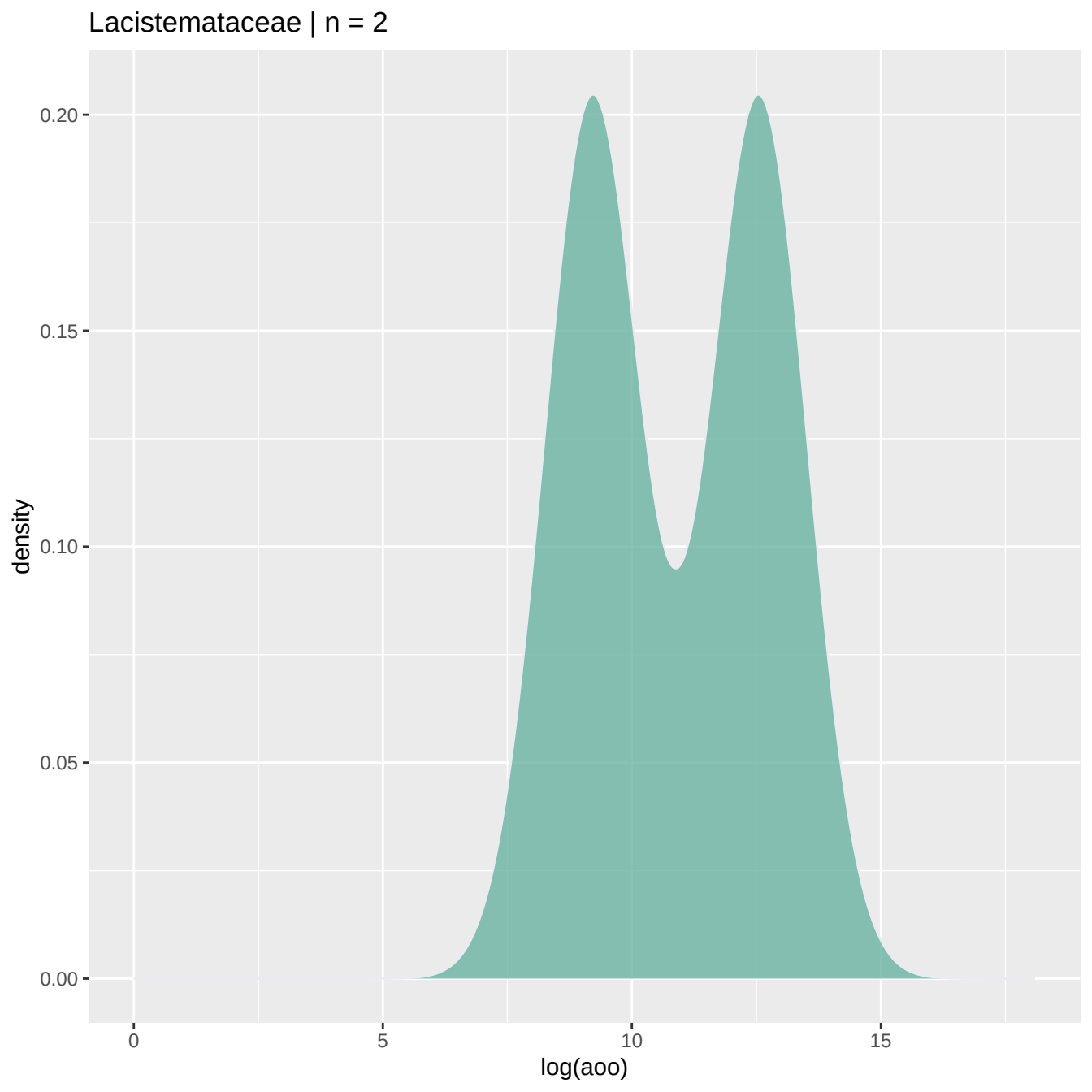

Hypseocharitaceae | n = 2
density
0.0
0.1
0.2
0.3
0.4
0.5
0
5
10
15
log(aoo)

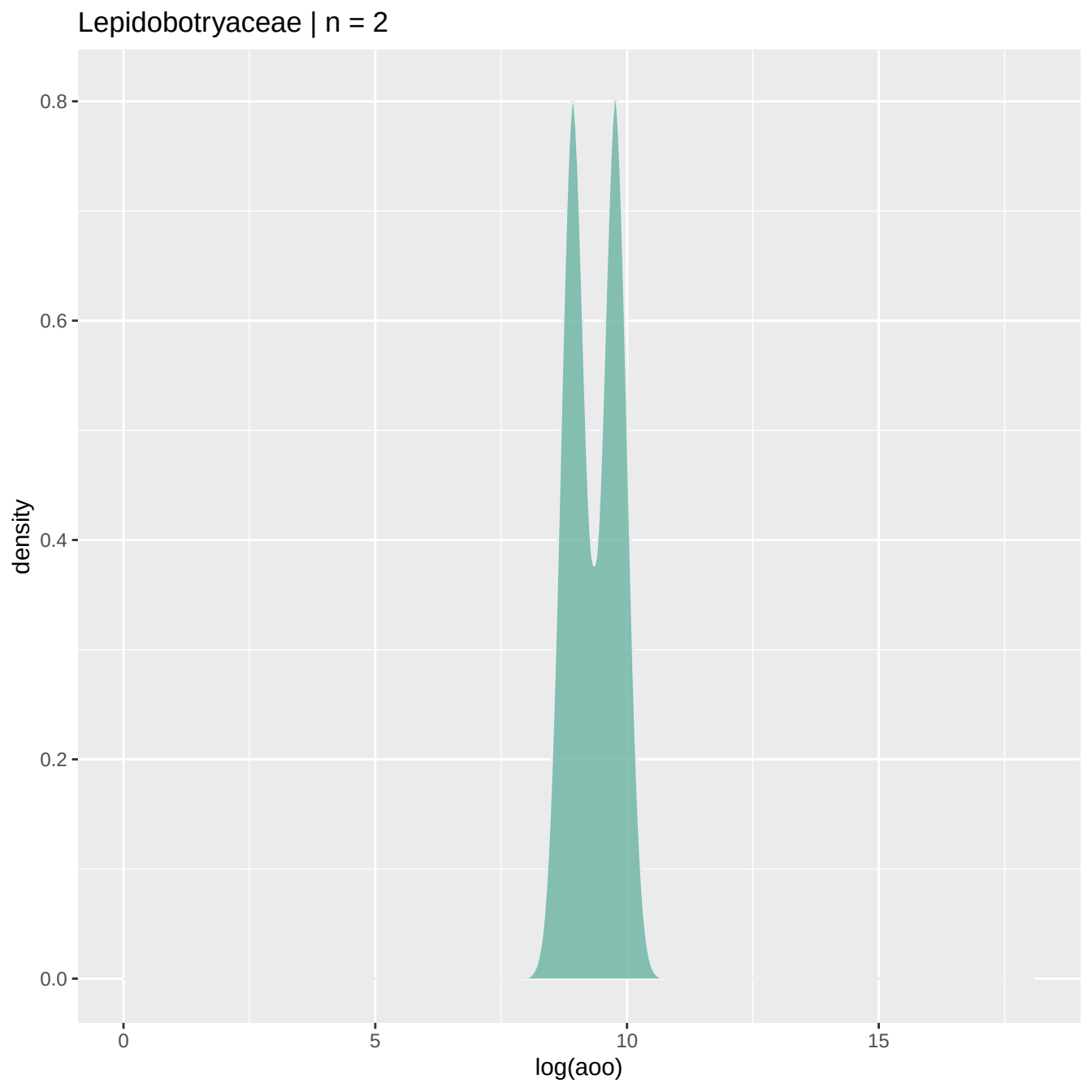

Ixerbaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

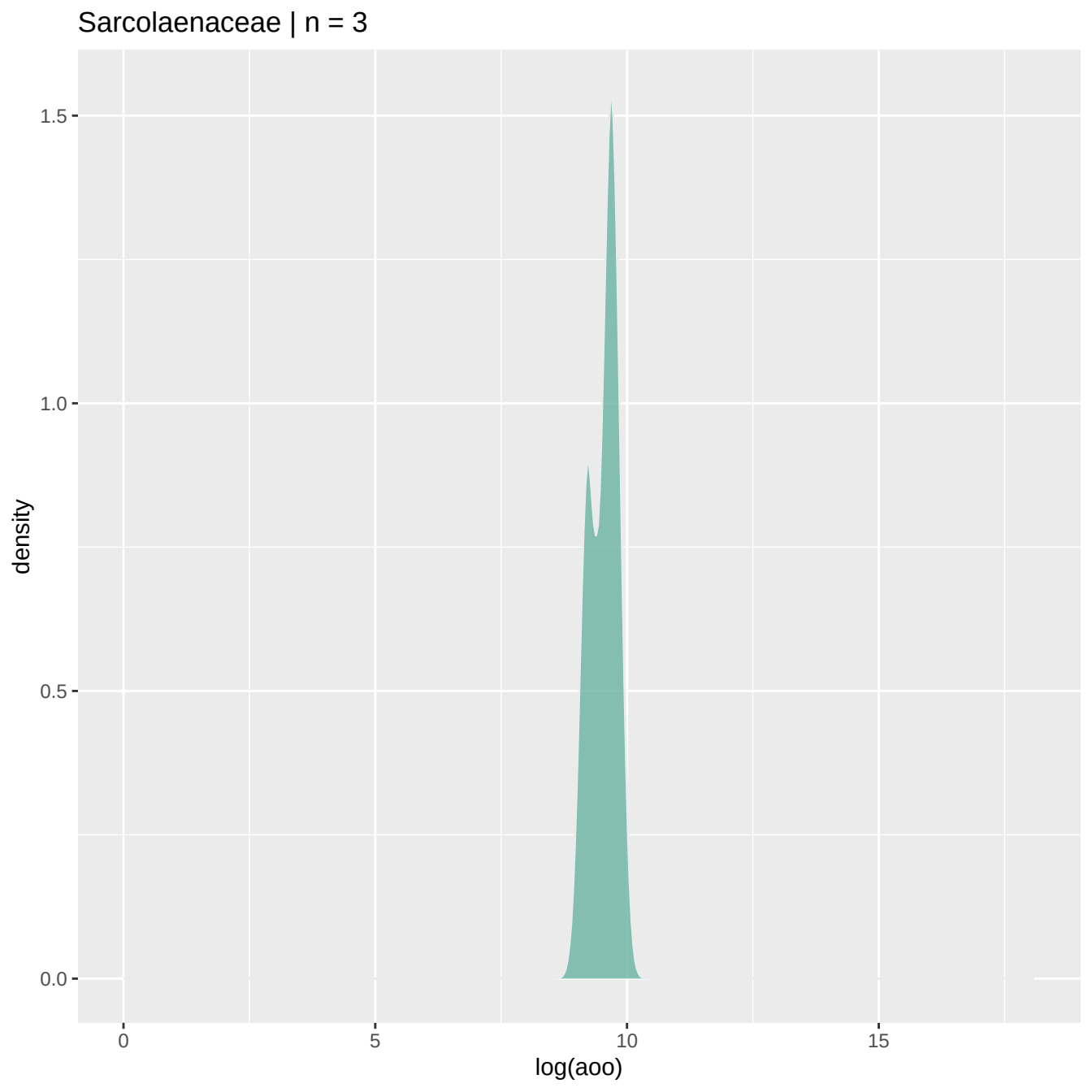

Kirkiaceae | n = 2
density
0.8
0.6
0.4
0.2
0.0
0
5
10
15
log(aoo)

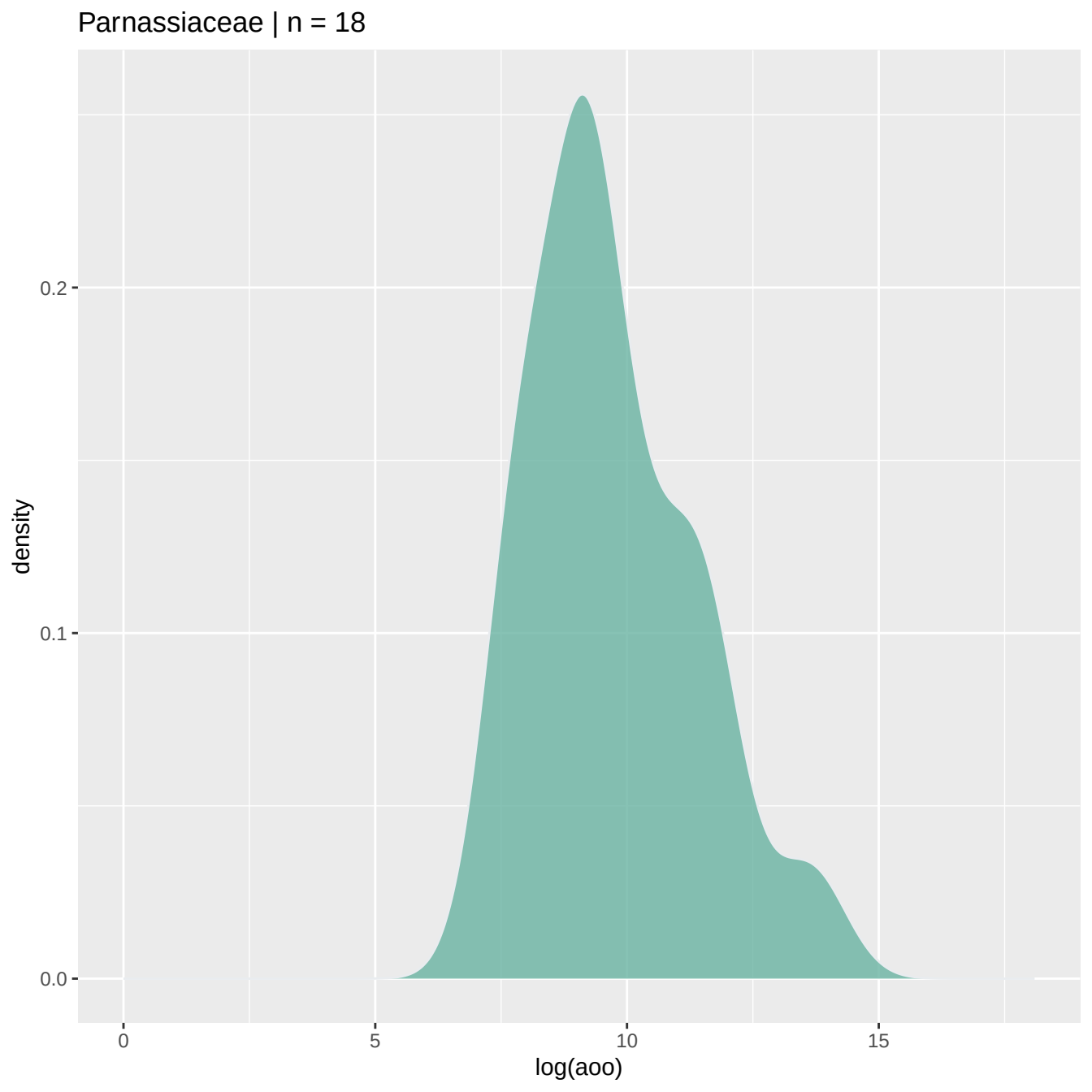

Koeberliniaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

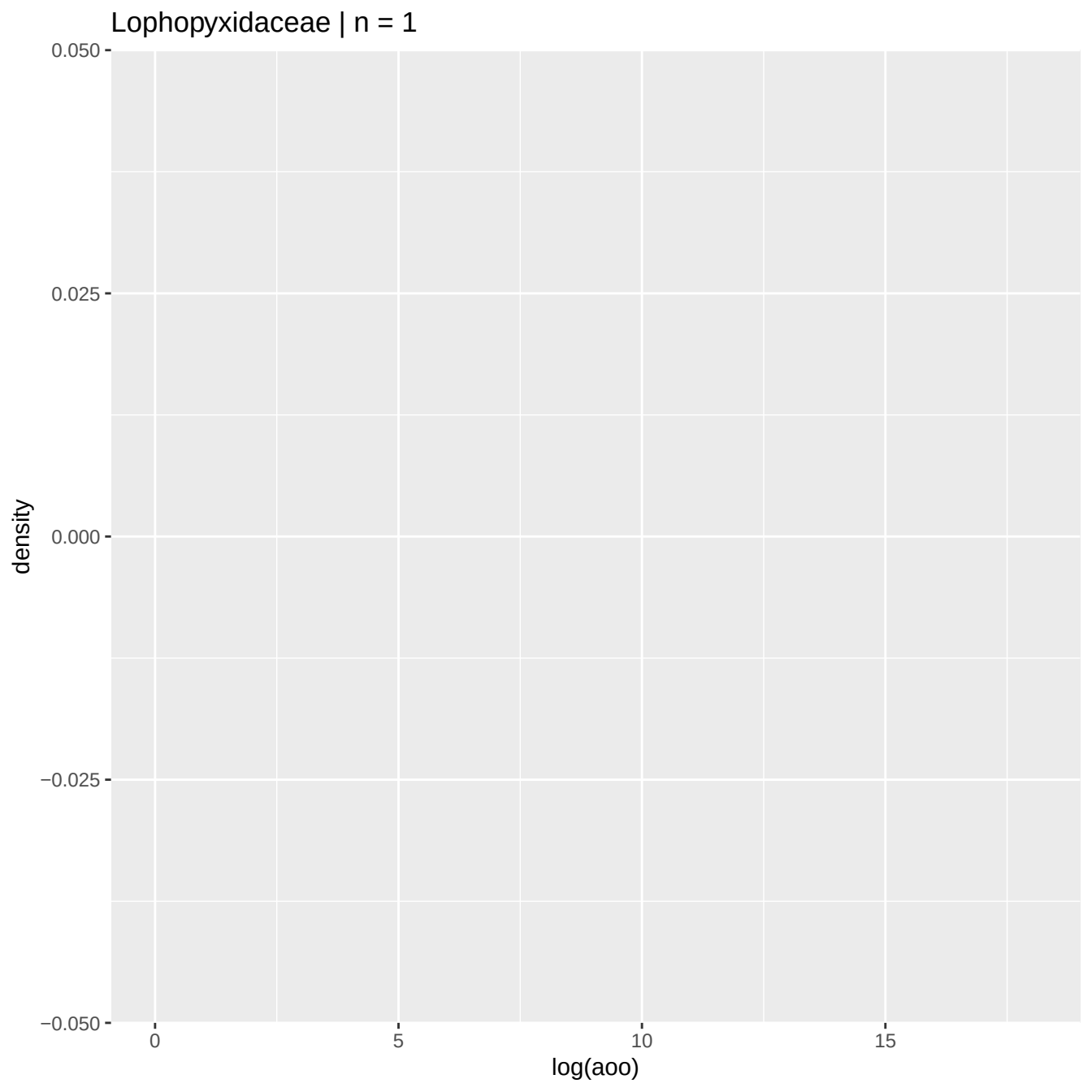

Krameriaceae | n = 10
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

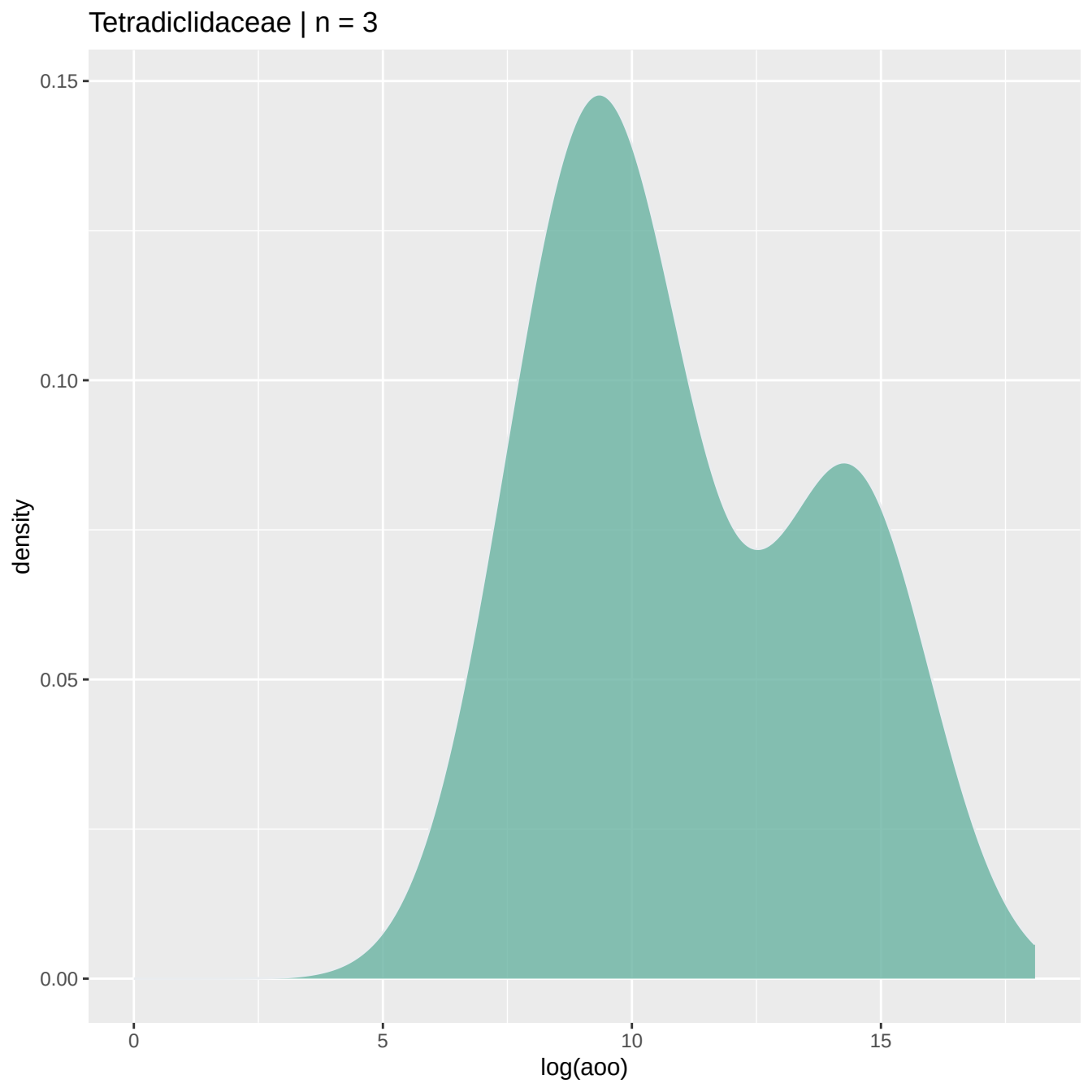

Lacistemataceae | n = 2
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

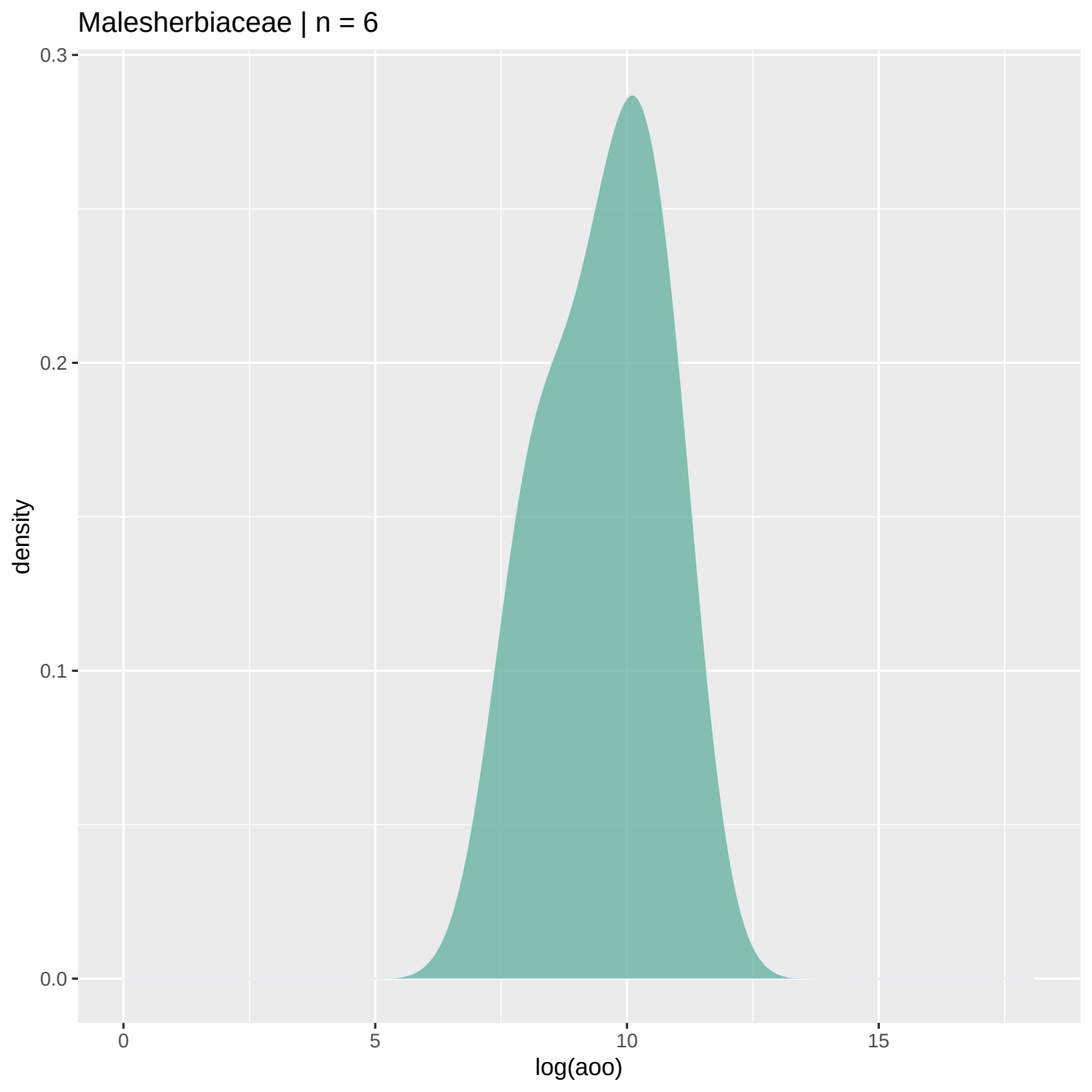

Lepidobotryaceae | n = 2
density
0.0
0.2
0.4
0.6
0.8
0
5
10
15
log(aoo)

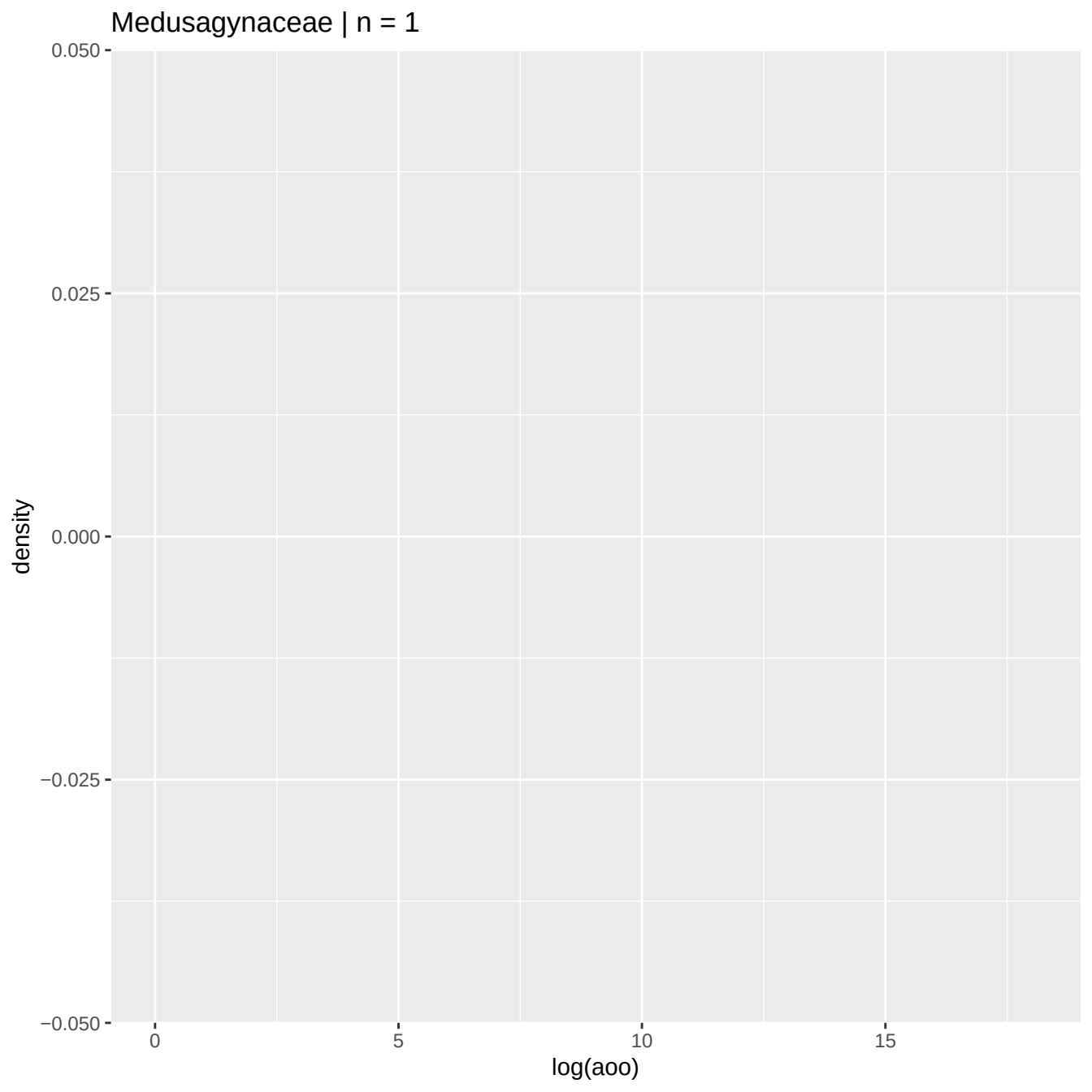

Sarcolaenaceae | n = 3
1.5
1.0
0.5
0.0
density
0
5
10
15
log(aoo)

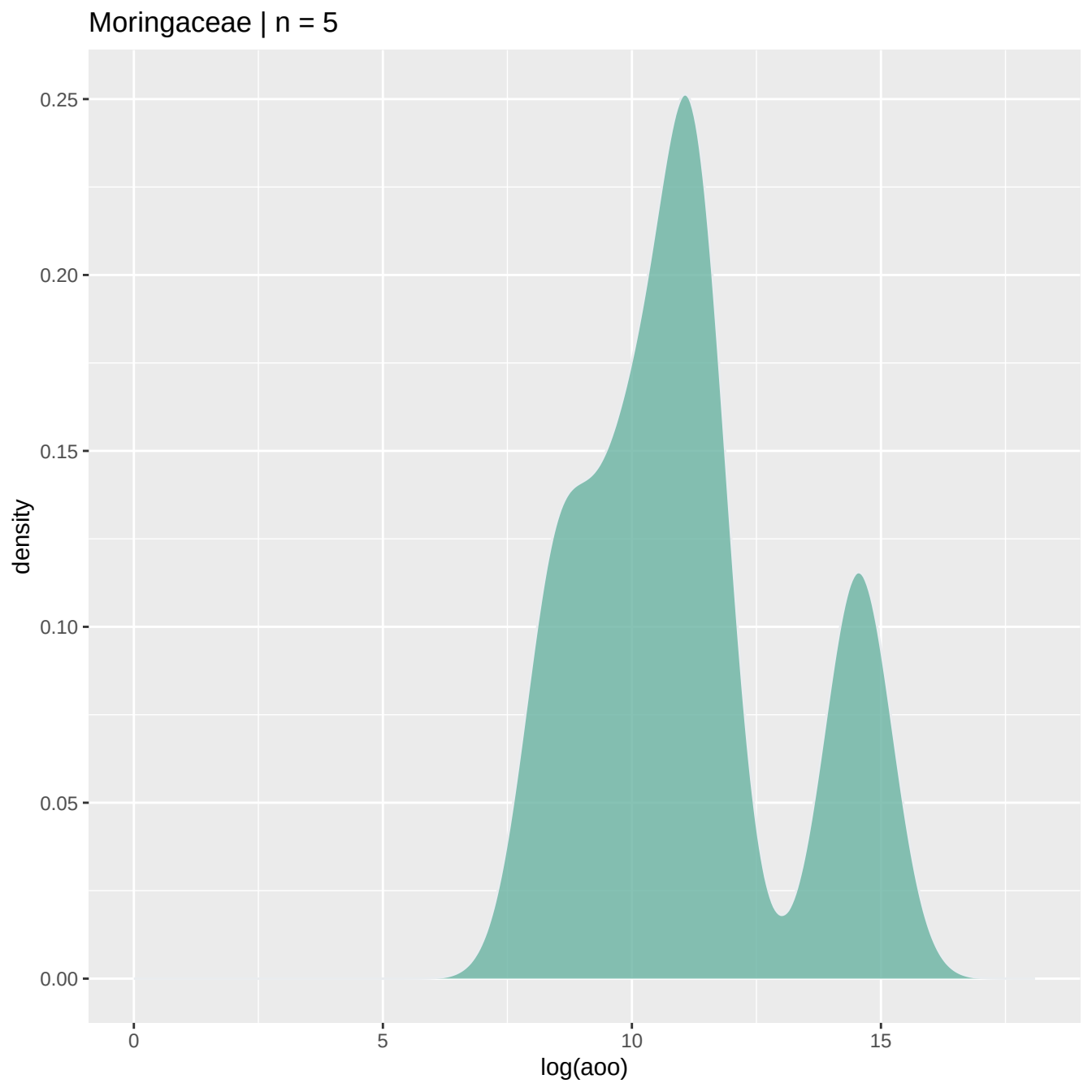

Parnassiaceae | n = 18
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

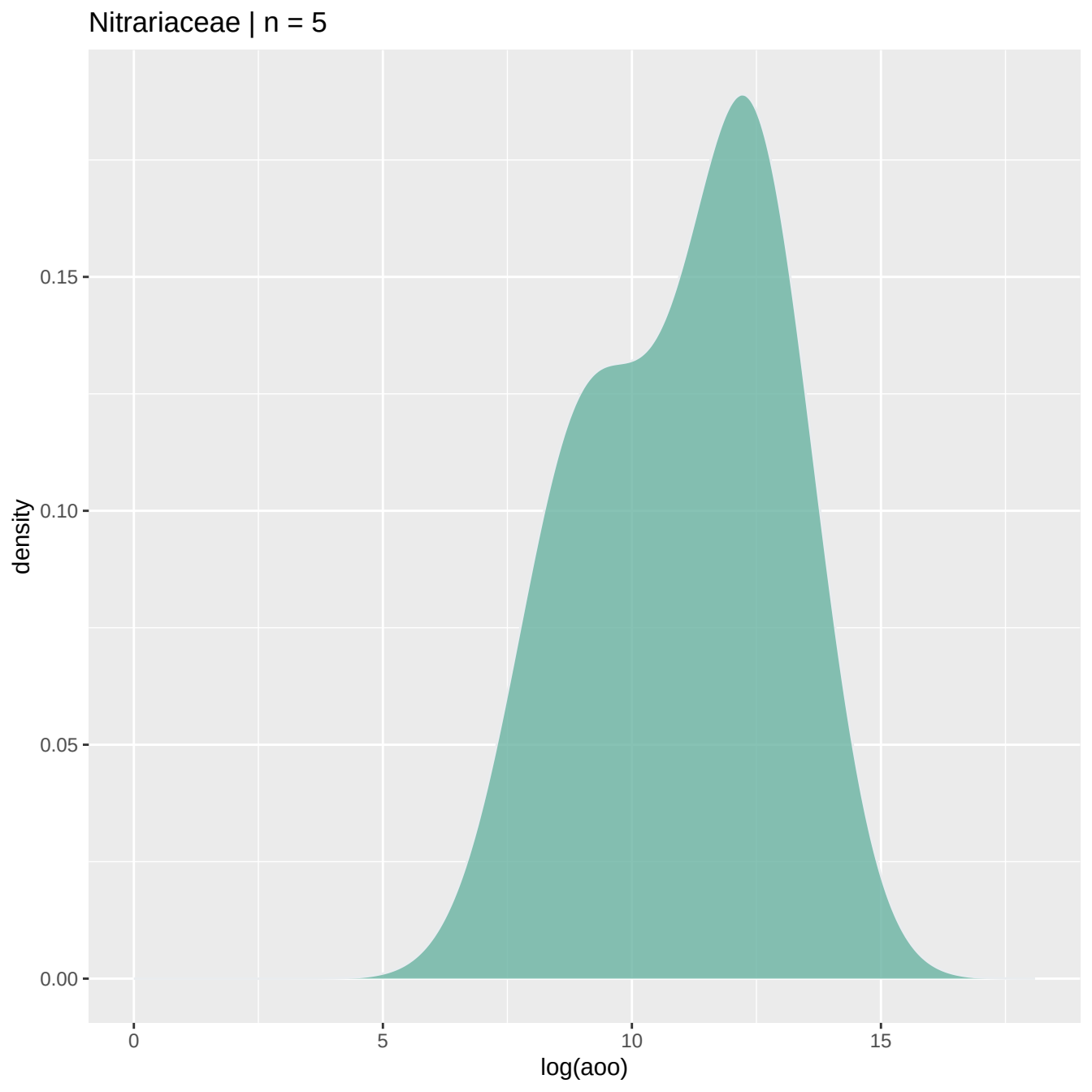

Lophopyxidaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

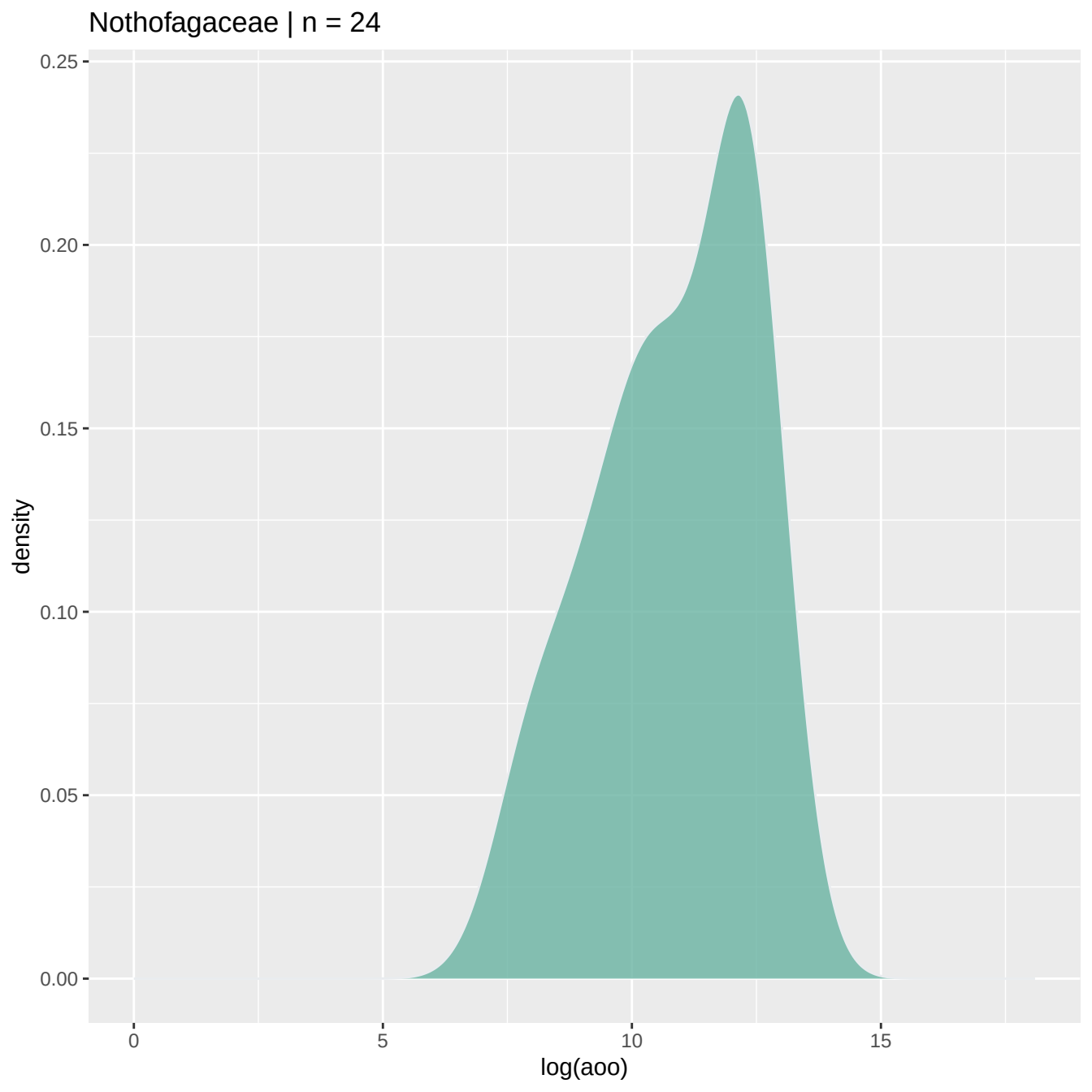

Tetradiclidaceae | n = 3
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

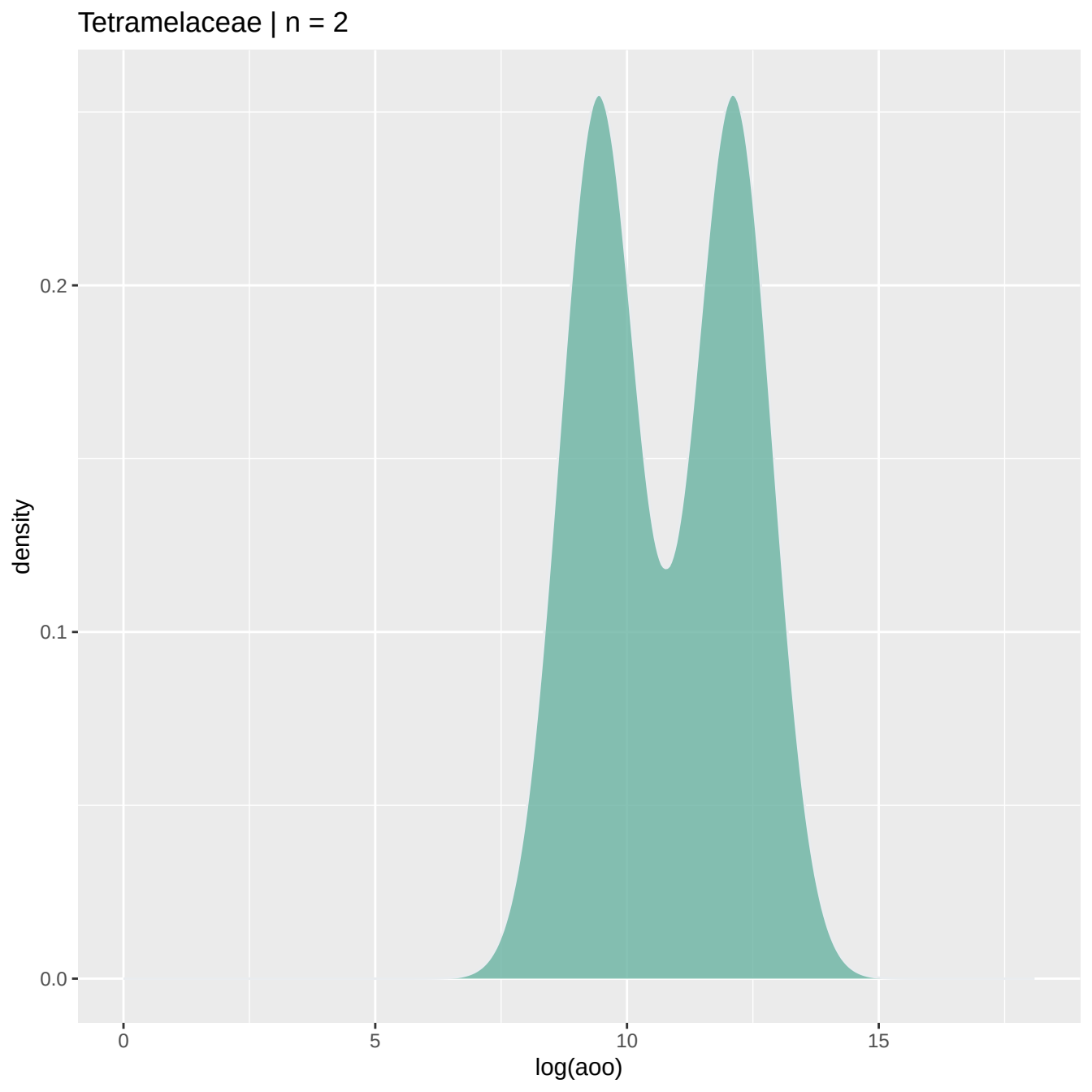

Malesherbiaceae | n = 6
0.3
0.2
0.1
0.0
density
0
5
10
15
log(aoo)

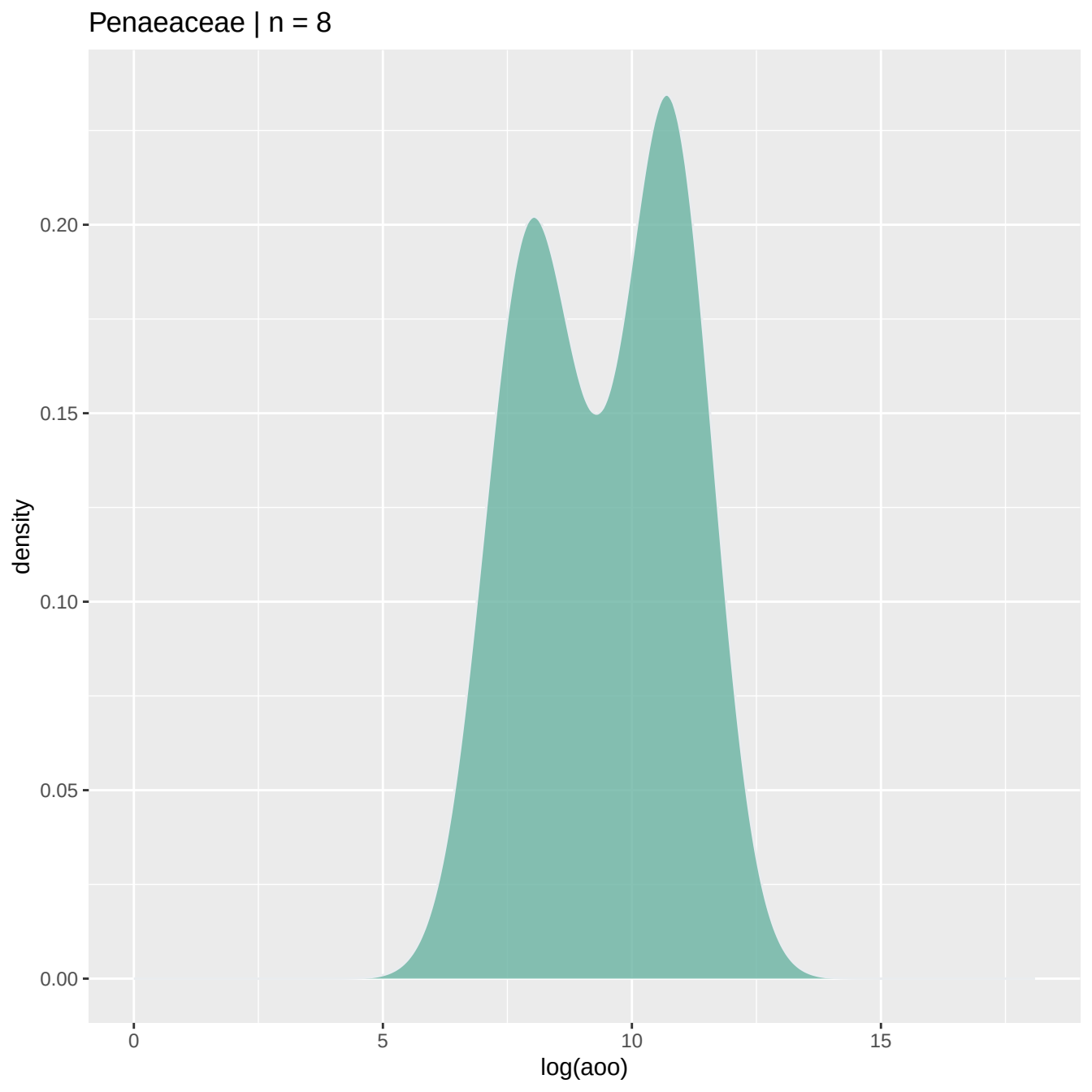

Medusagynaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

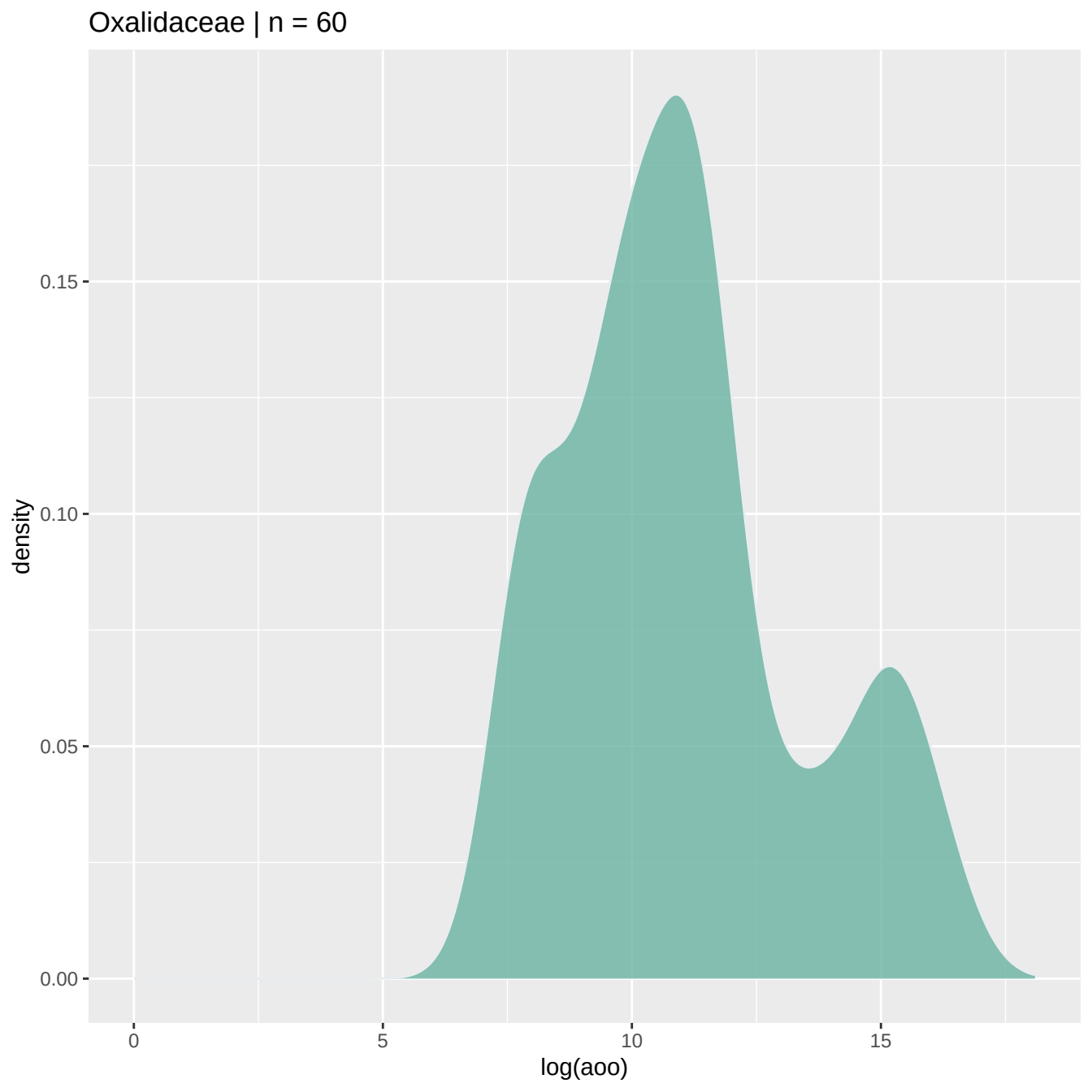

Moringaceae | n = 5
density
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

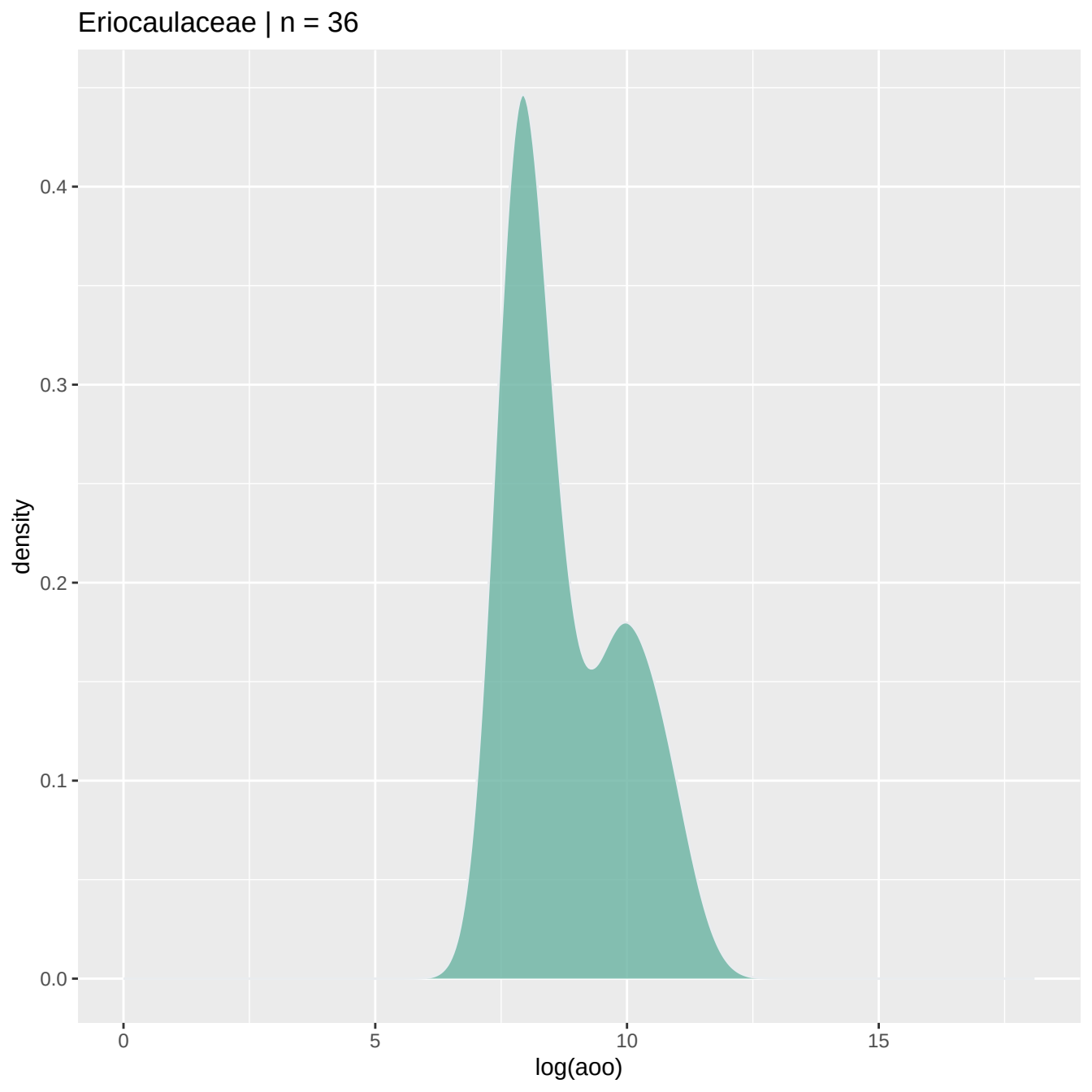

Nitrariaceae | n = 5
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

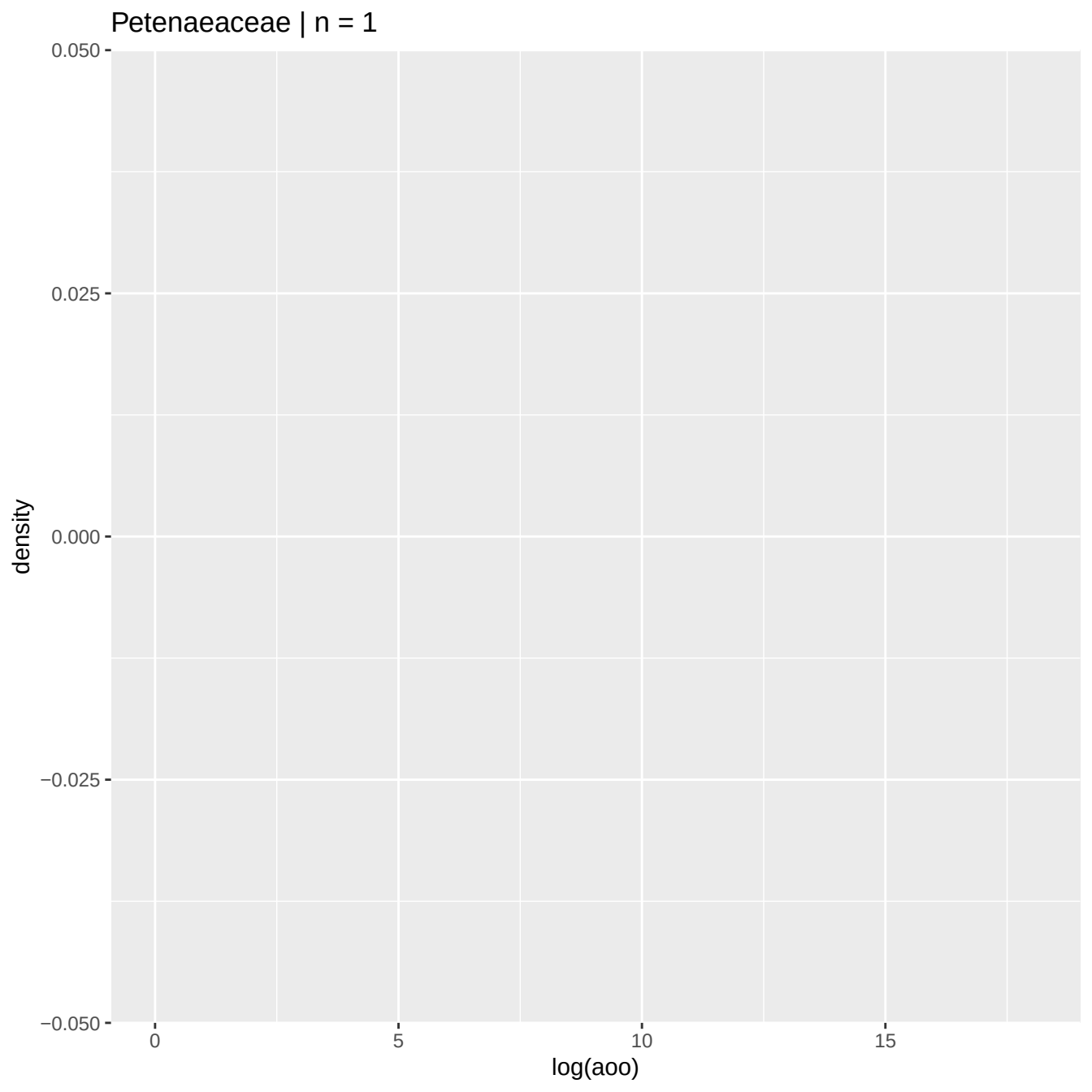

Nothofagaceae | n = 24
0.25
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

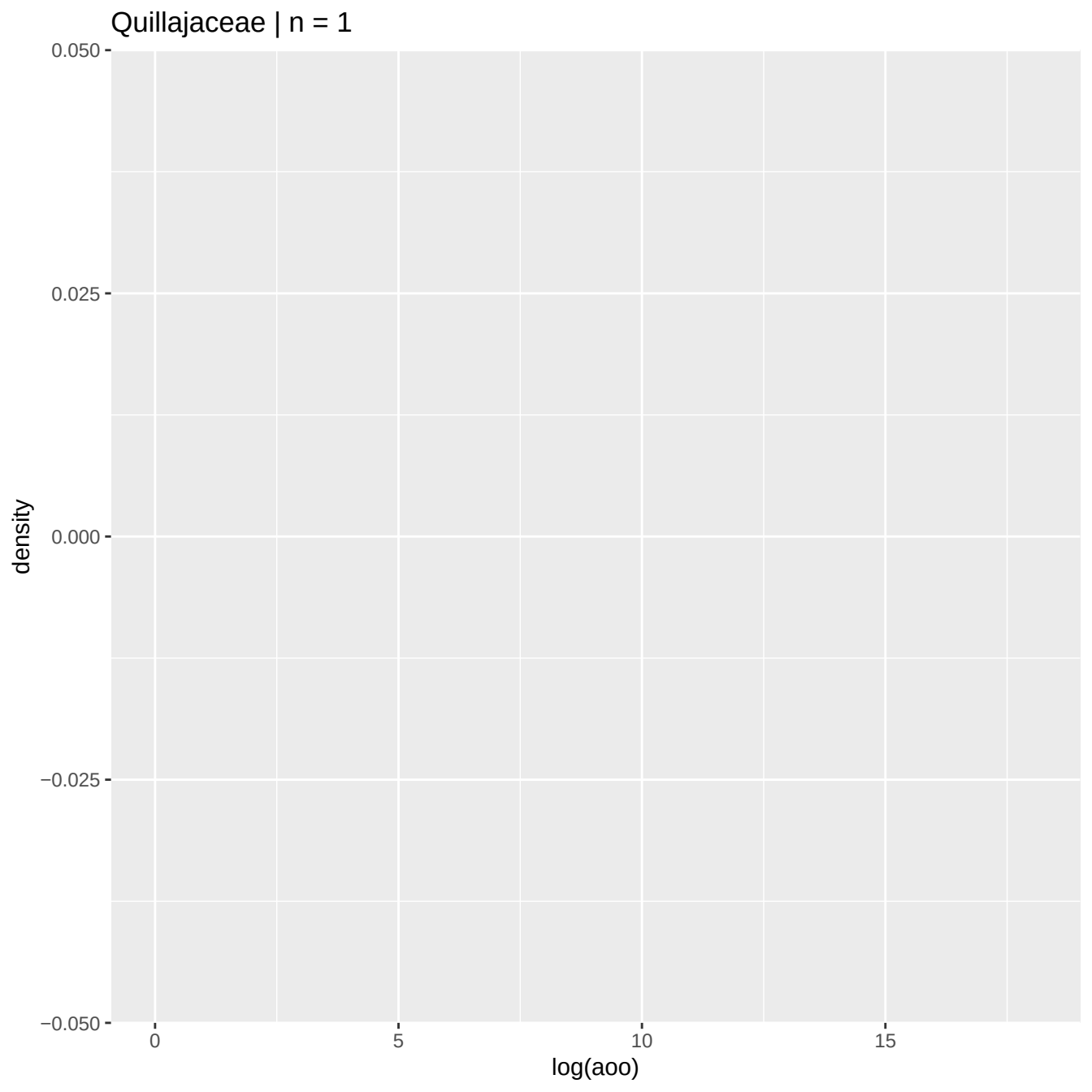

Tetramelaceae | n = 2
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

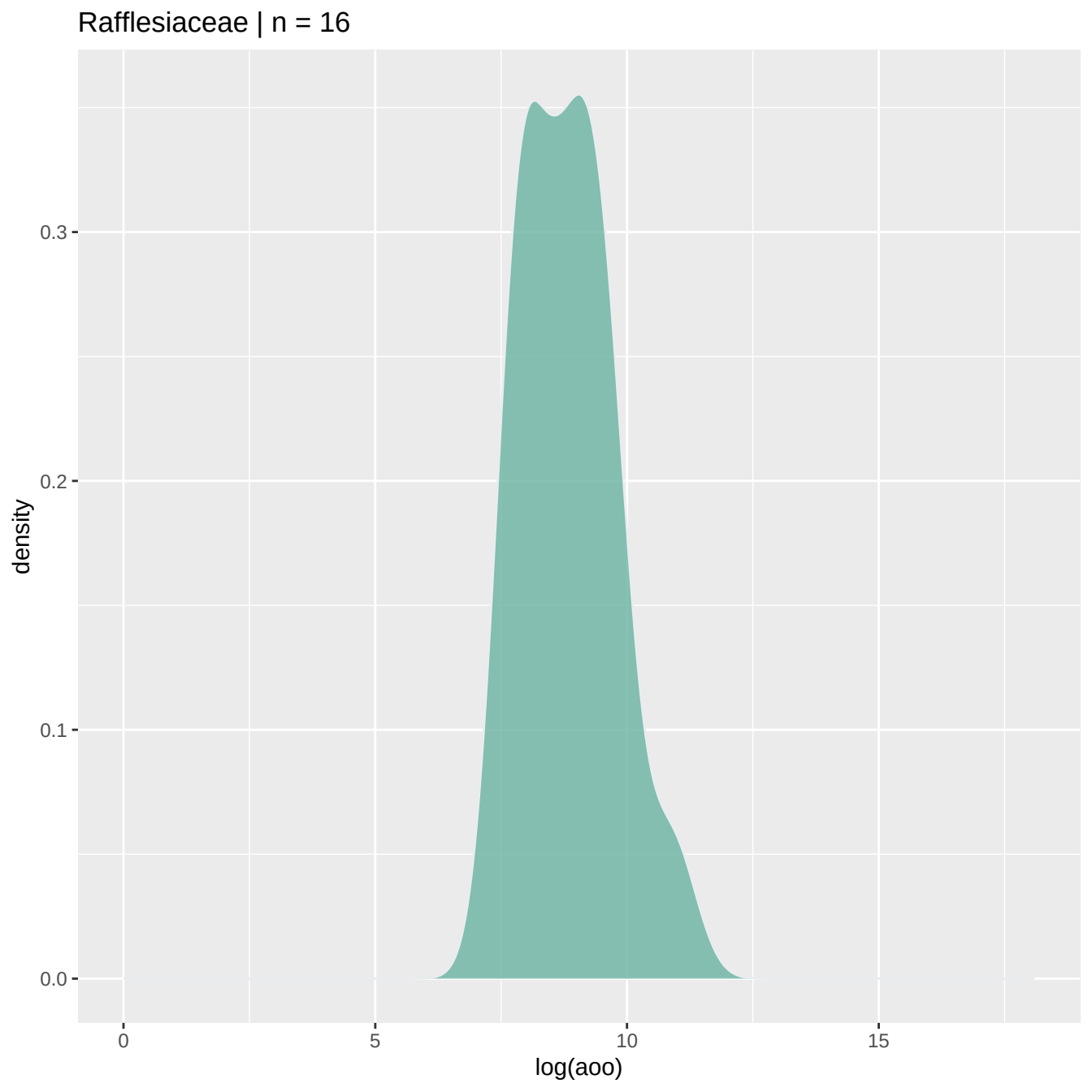

Penaeaceae | n = 8
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

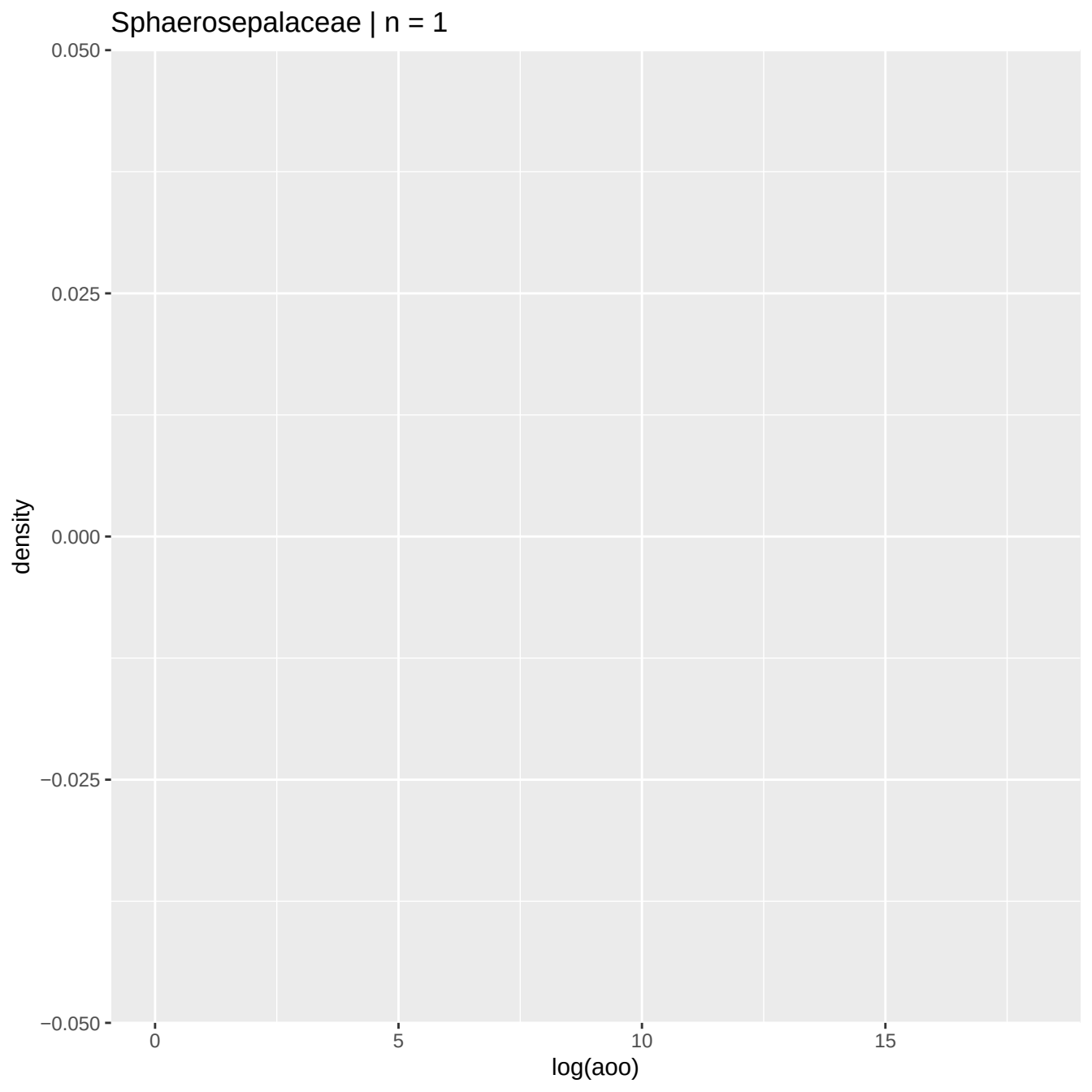

Oxalidaceae | n = 60
density
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

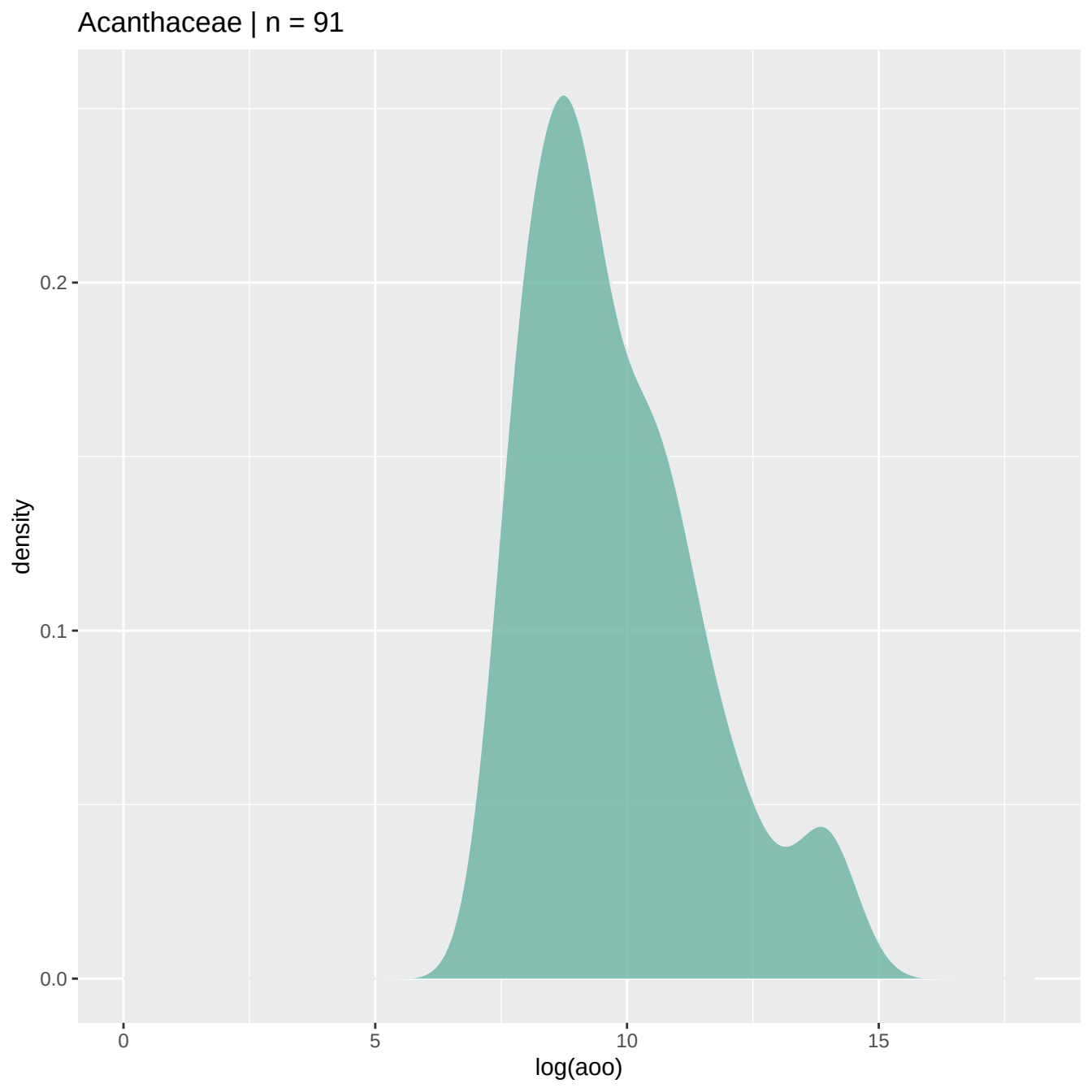

Eriocaulaceae | n = 36
density
0.4
0.3
0.2
0.1
0.0
0
5
10
15
log(aoo)

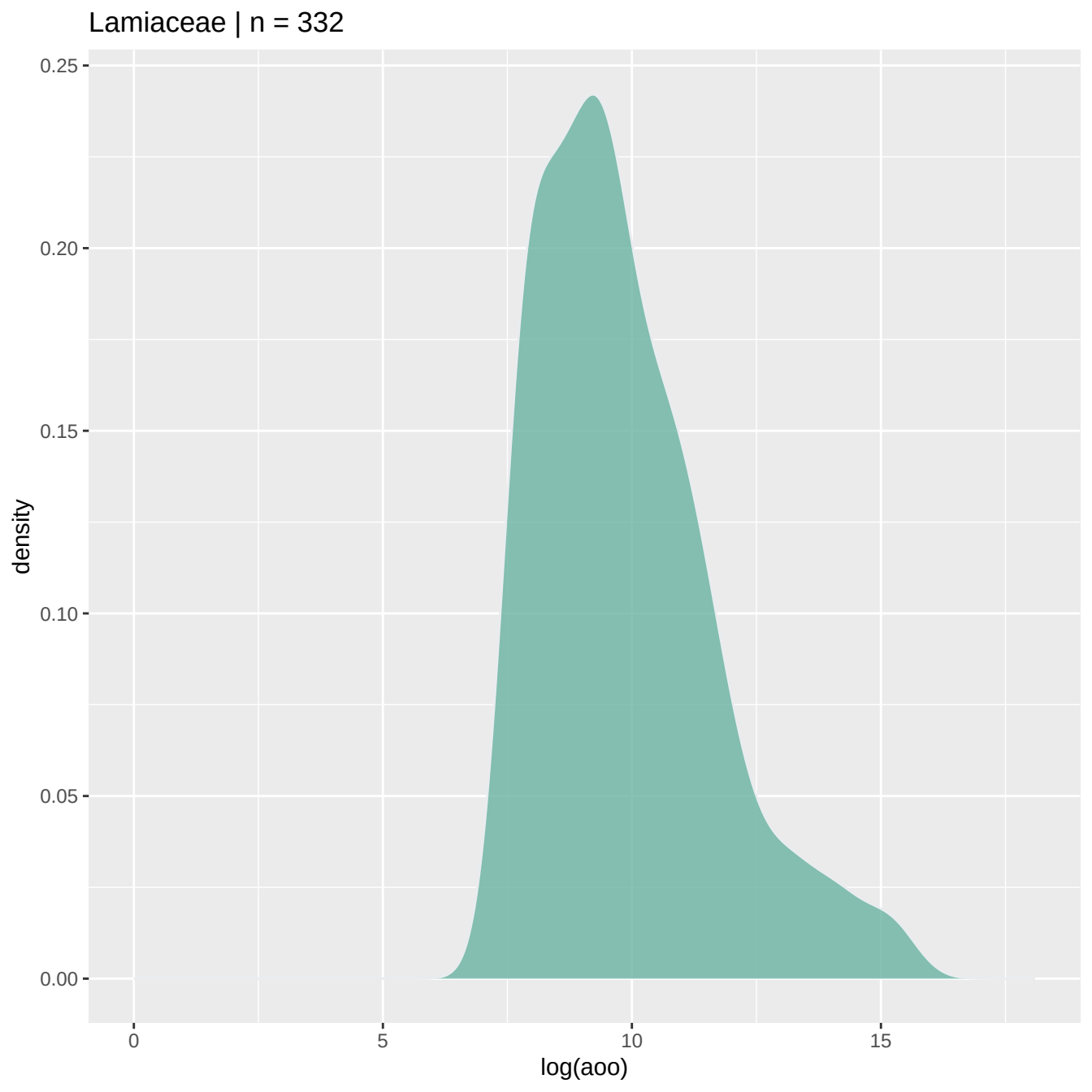

Petenaeaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

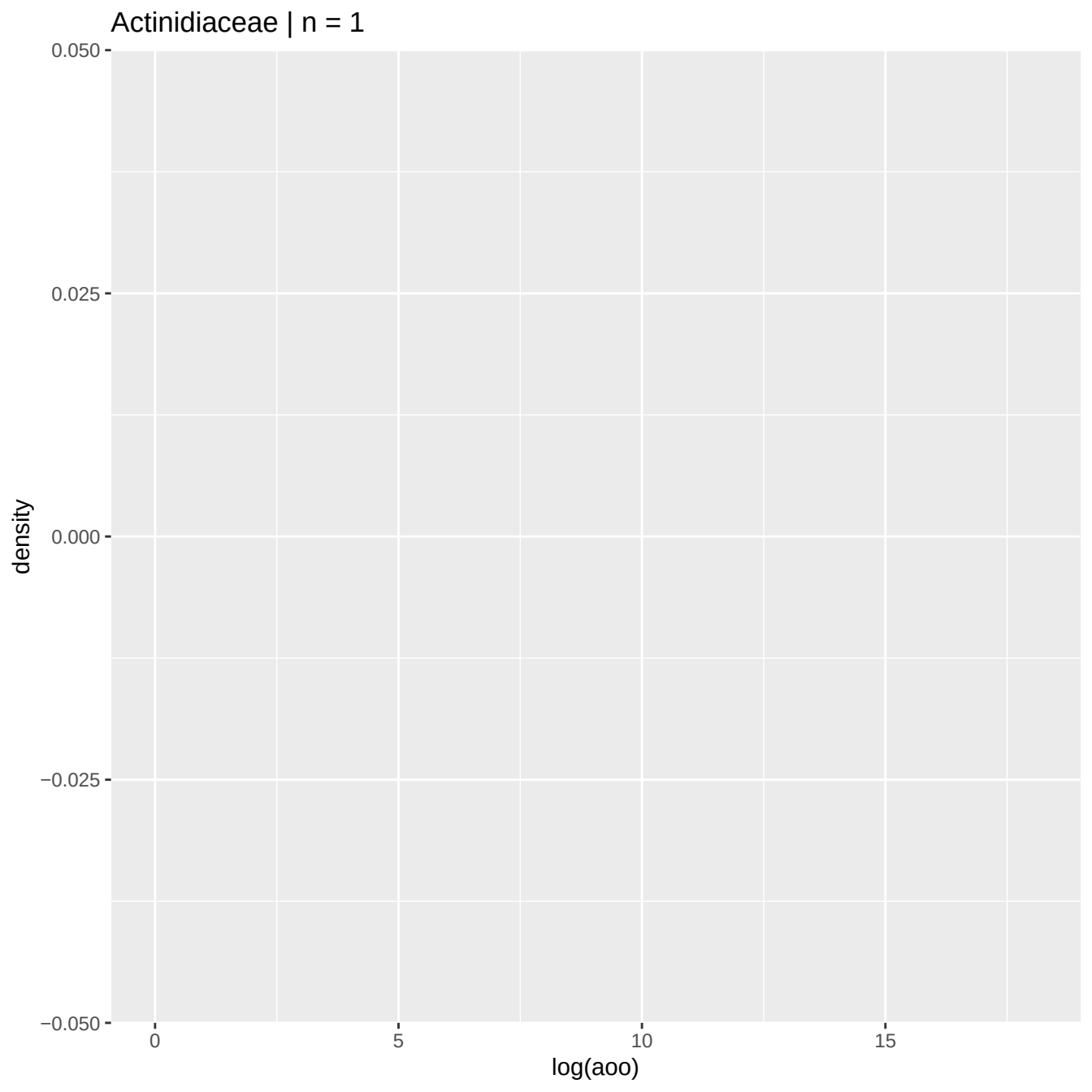

Quillajaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

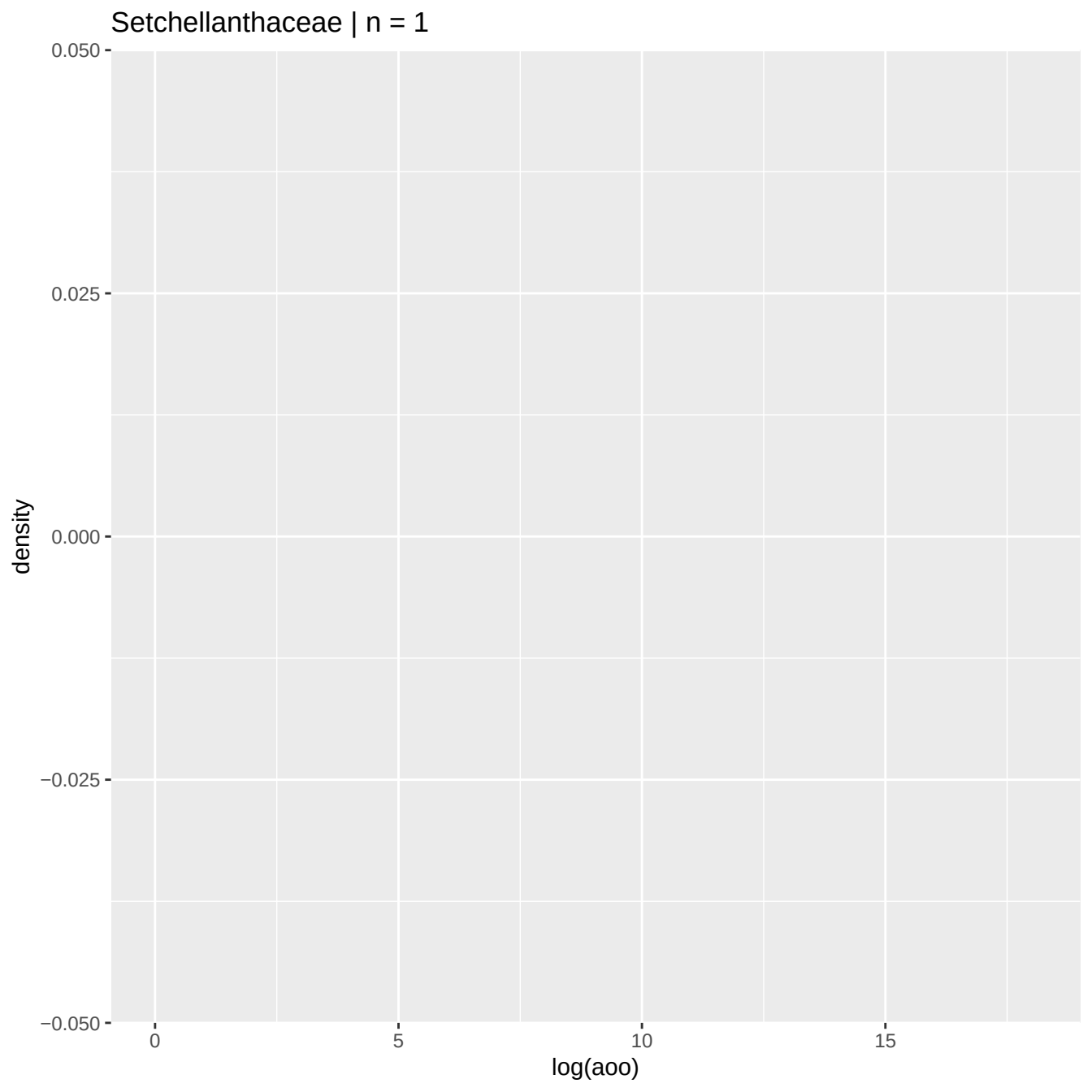

Rafflesiaceae | n = 16
density
0.0
0.1
0.2
0.3
0
5
10
15
log(aoo)

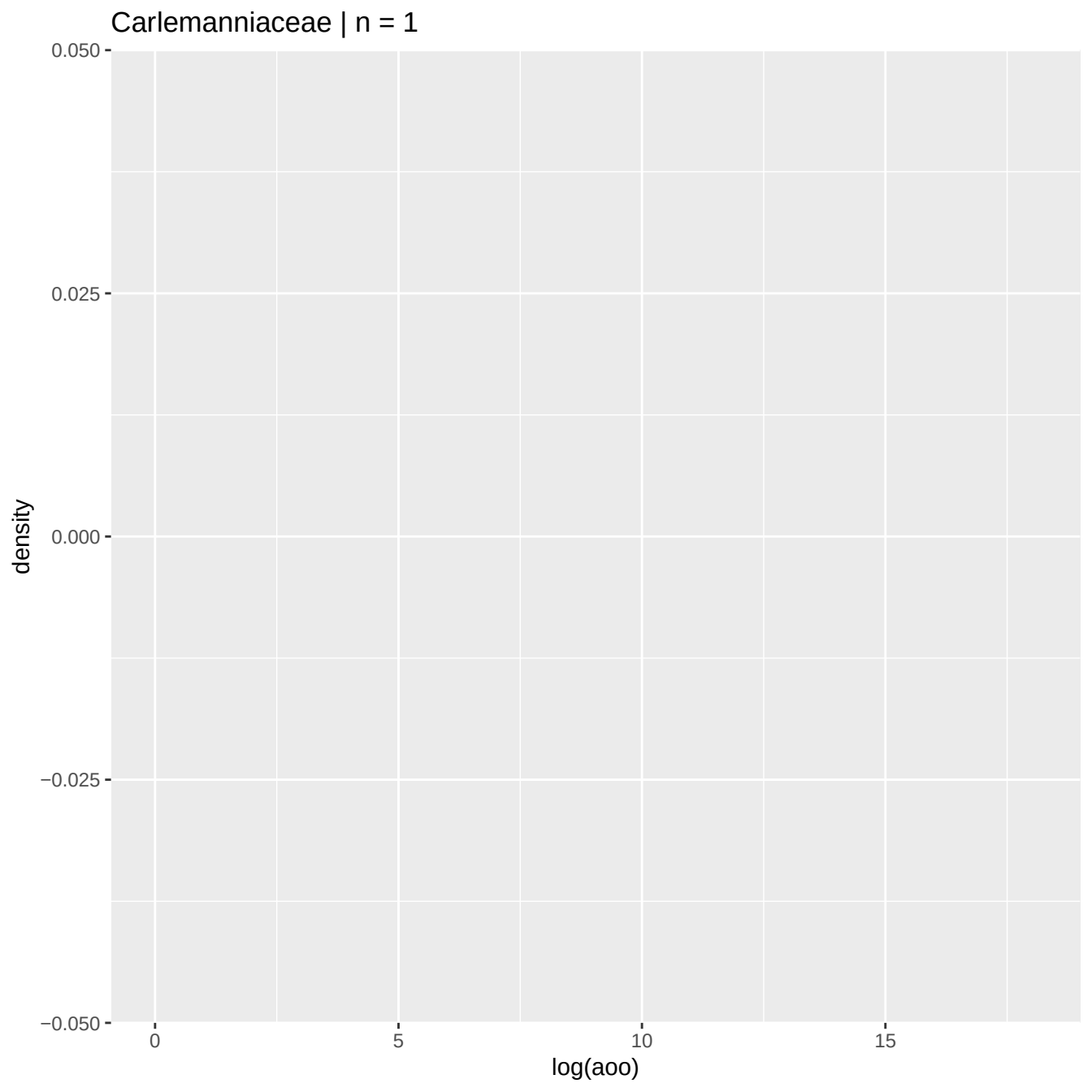

Sphaerosepalaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

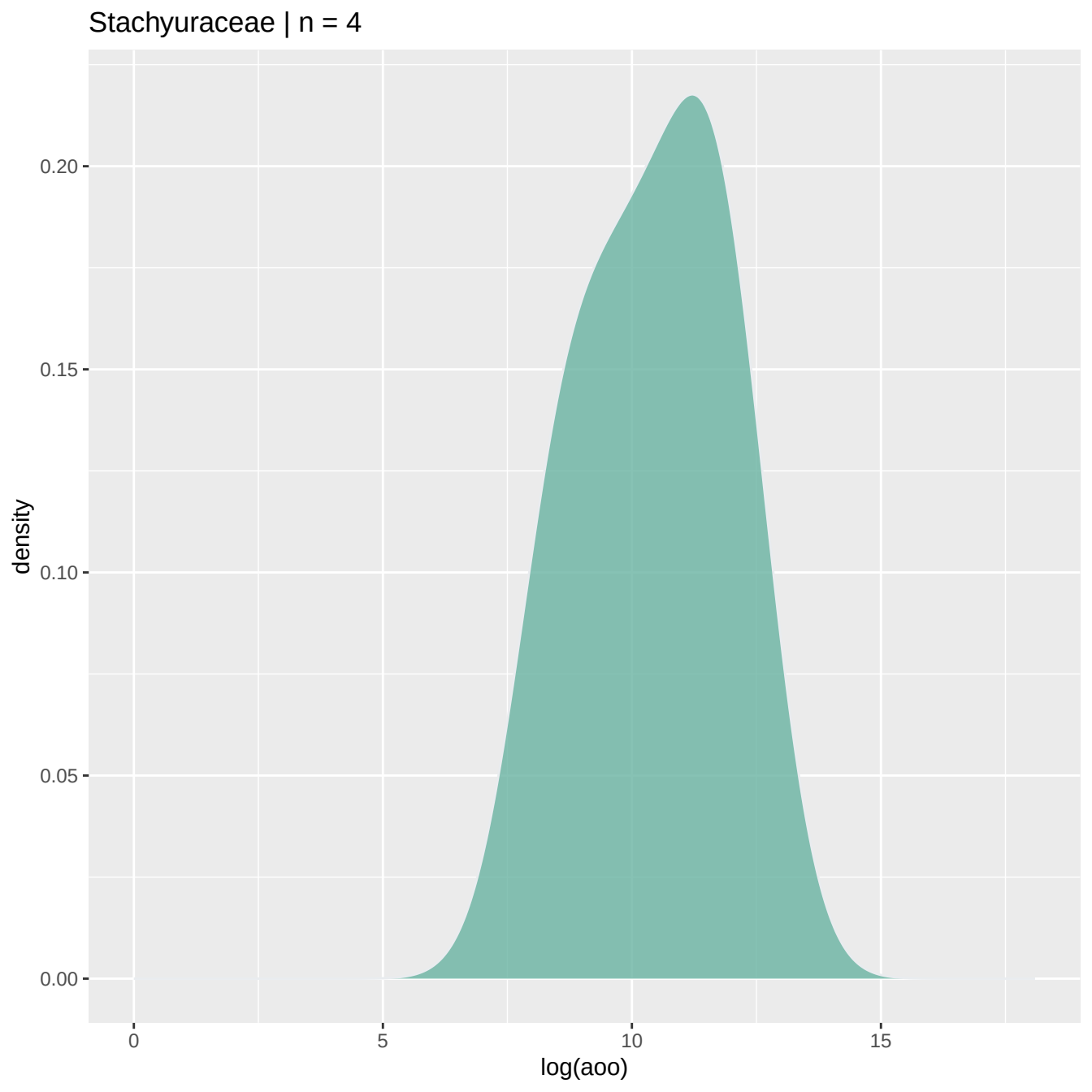

Acanthaceae | n = 91
density
0.2
0.1
0.0
0
5
10
15
log(aoo)

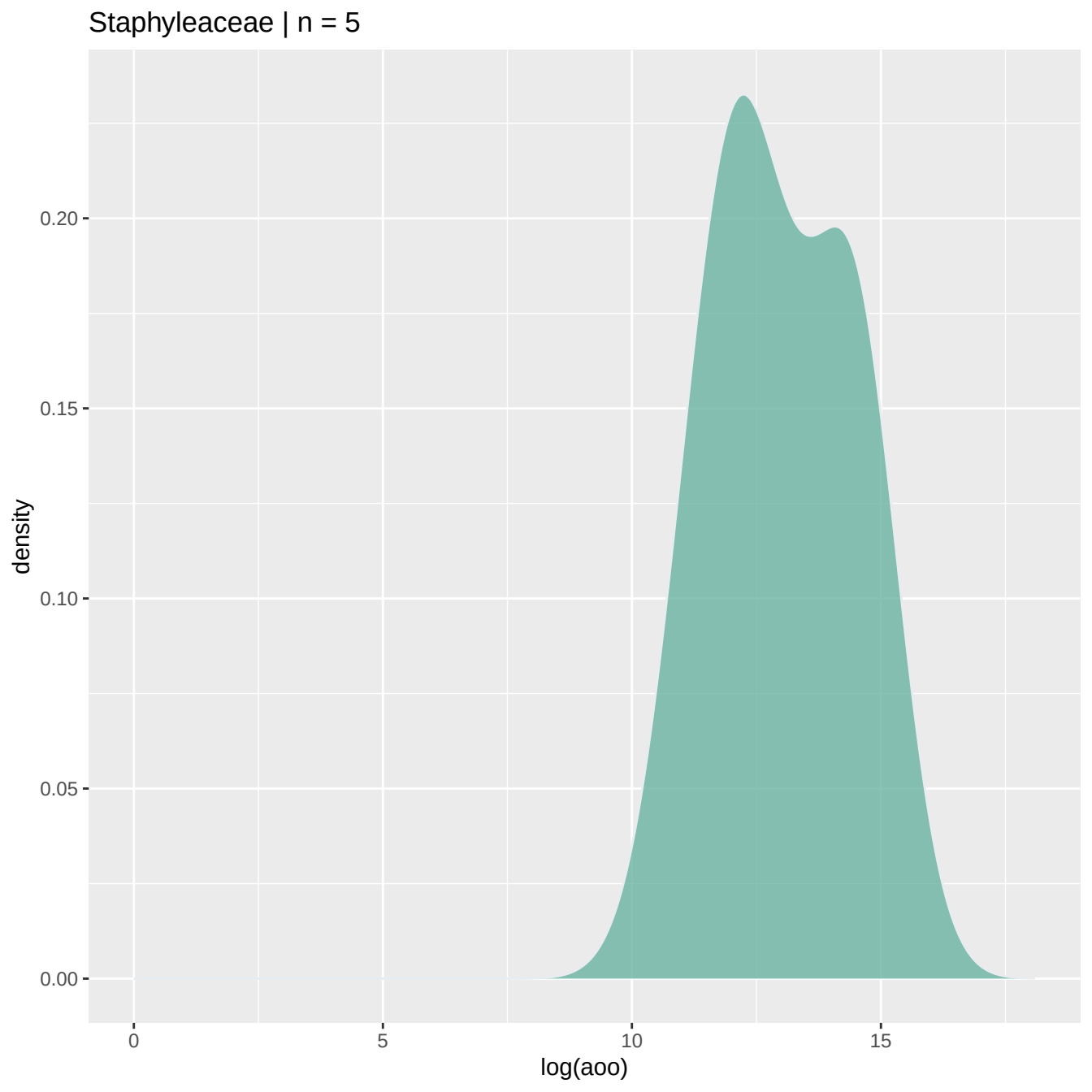

Lamiaceae | n = 332
0.25
0.20
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)

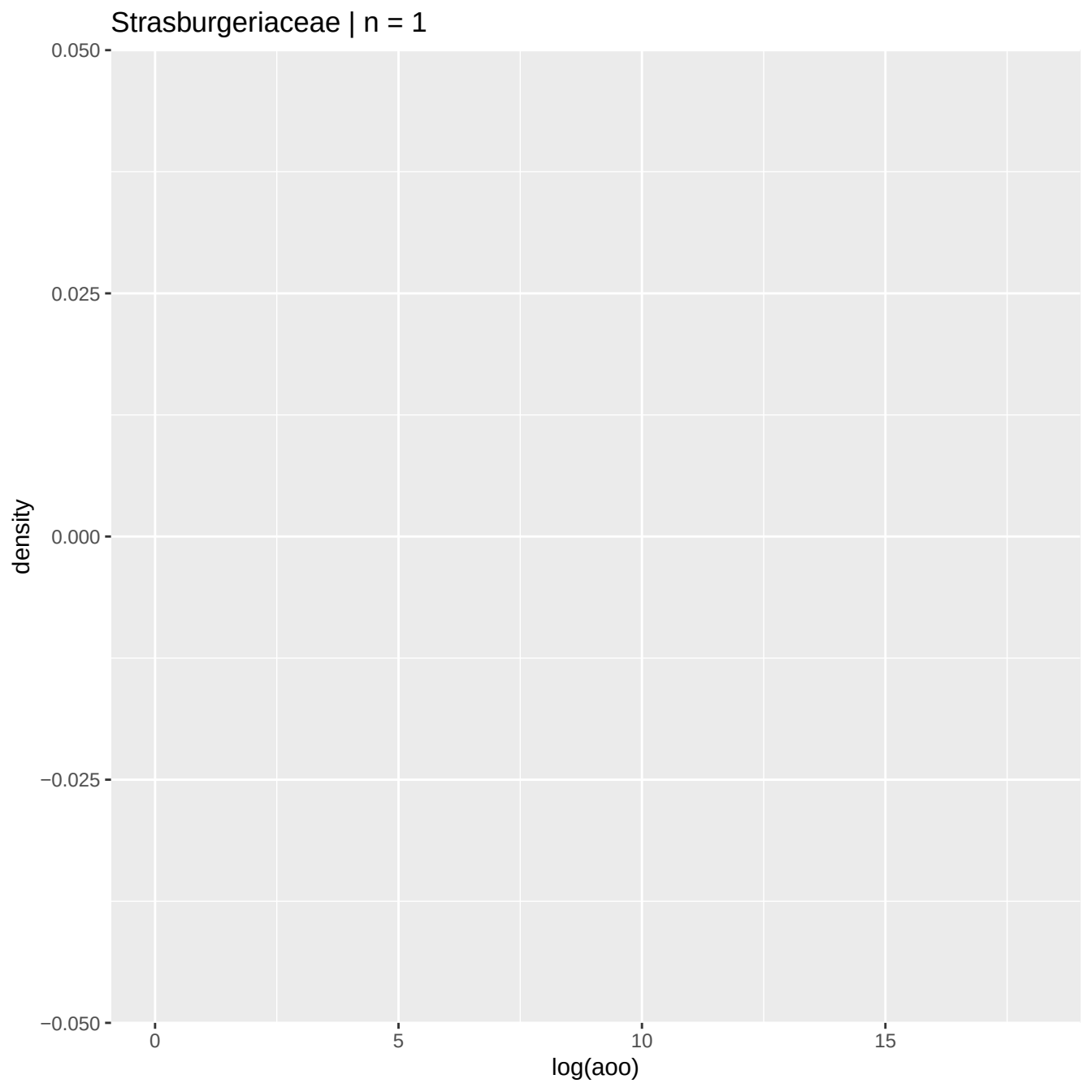

Actinidiaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

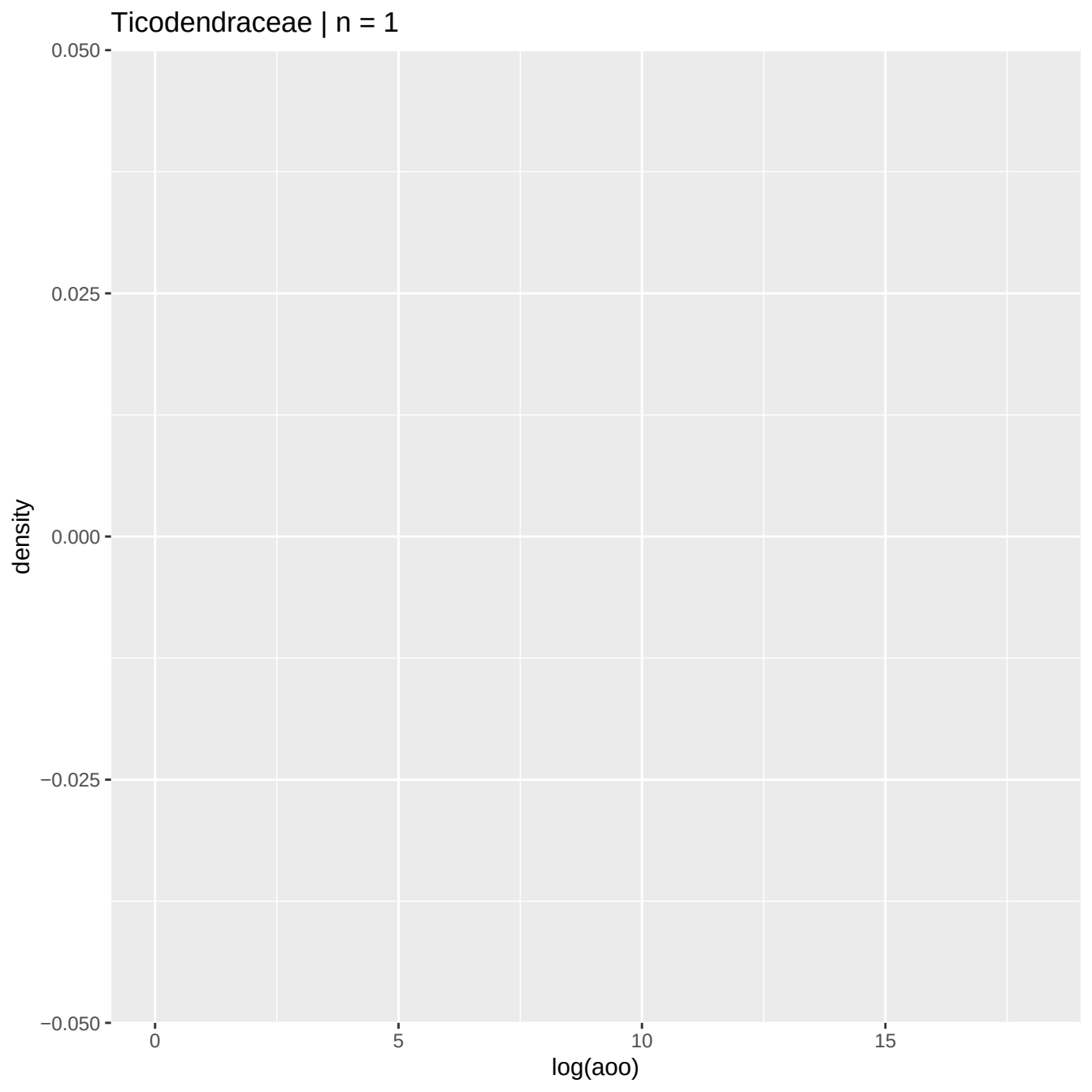

Setchellanthaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

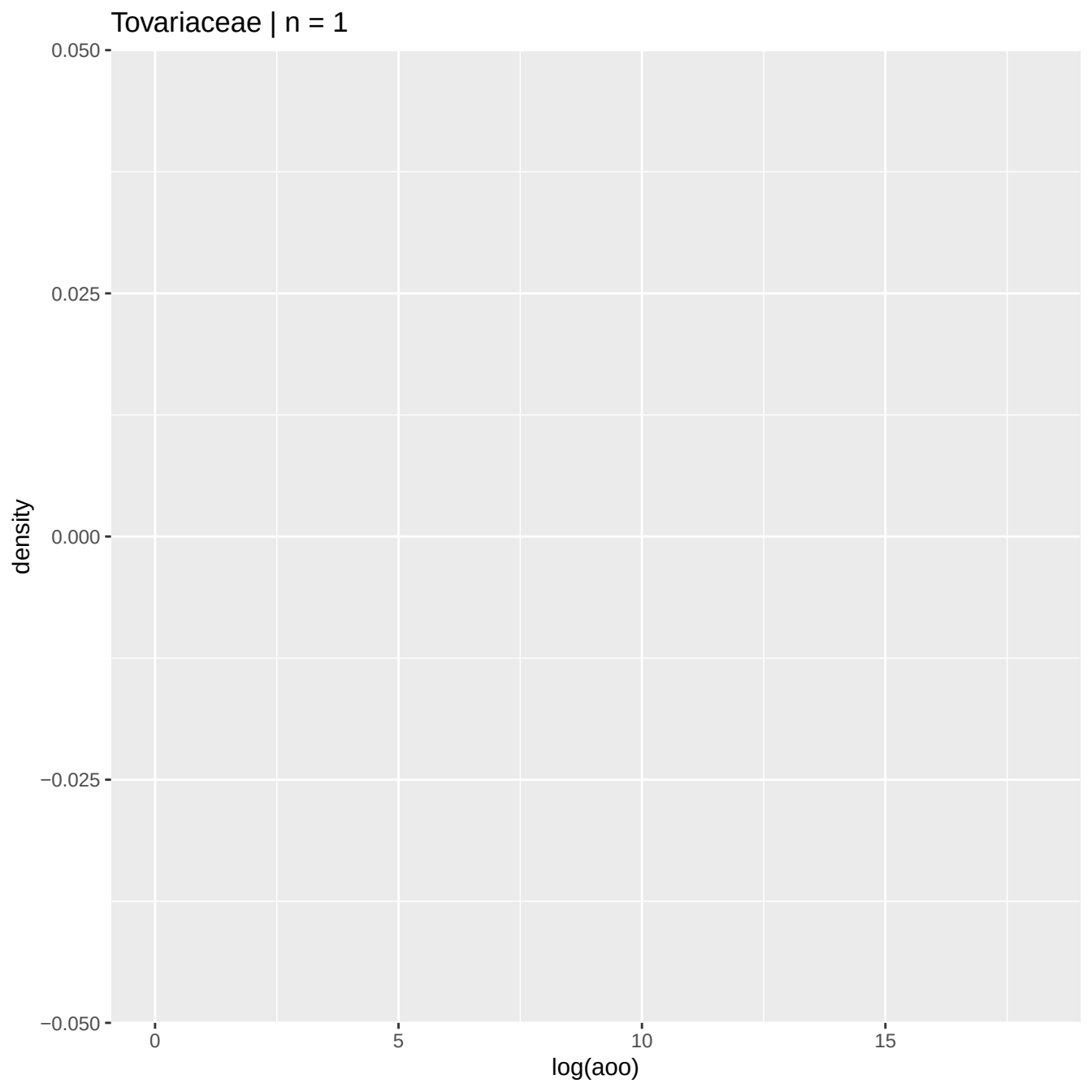

Carlemanniaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)

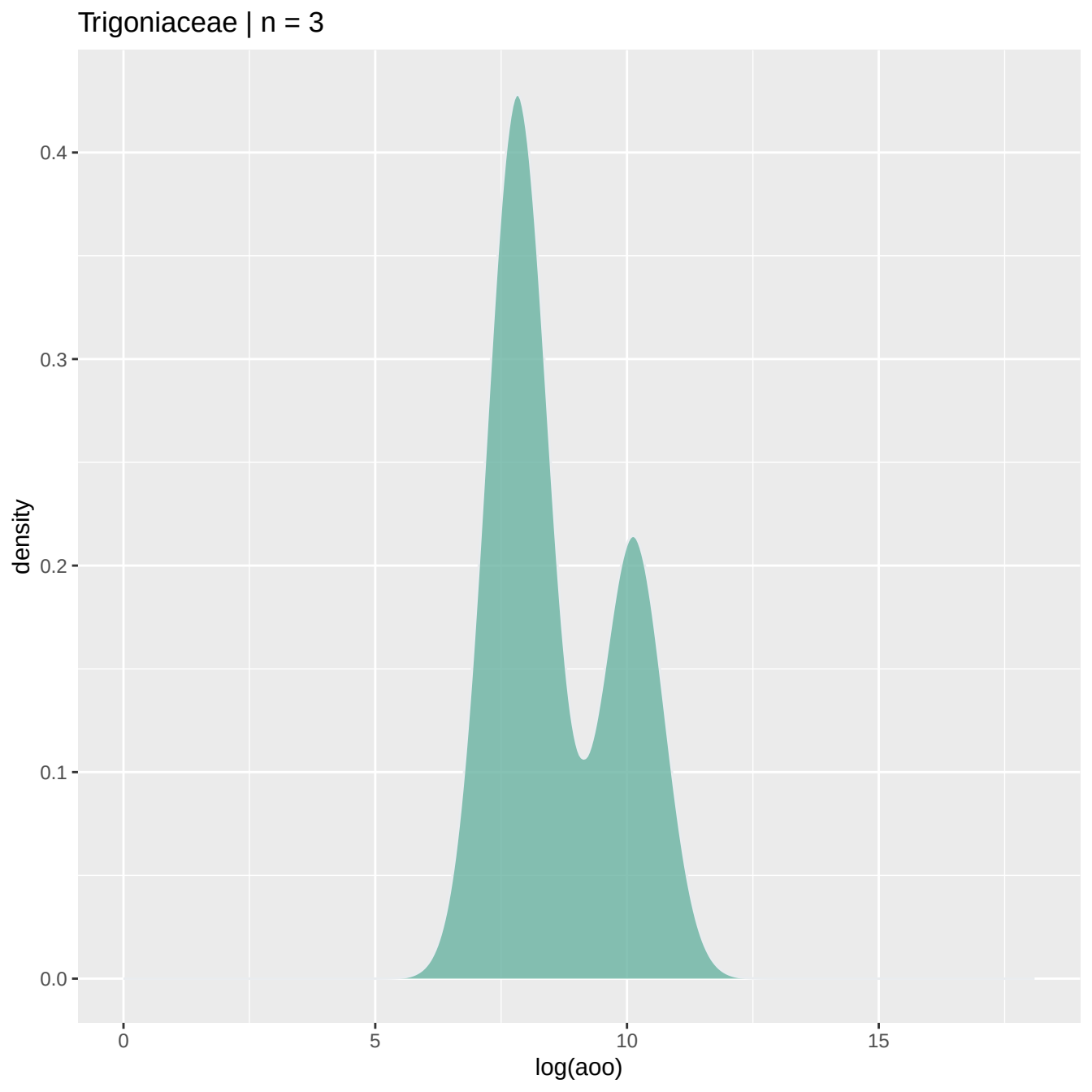

Stachyuraceae | n = 4
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

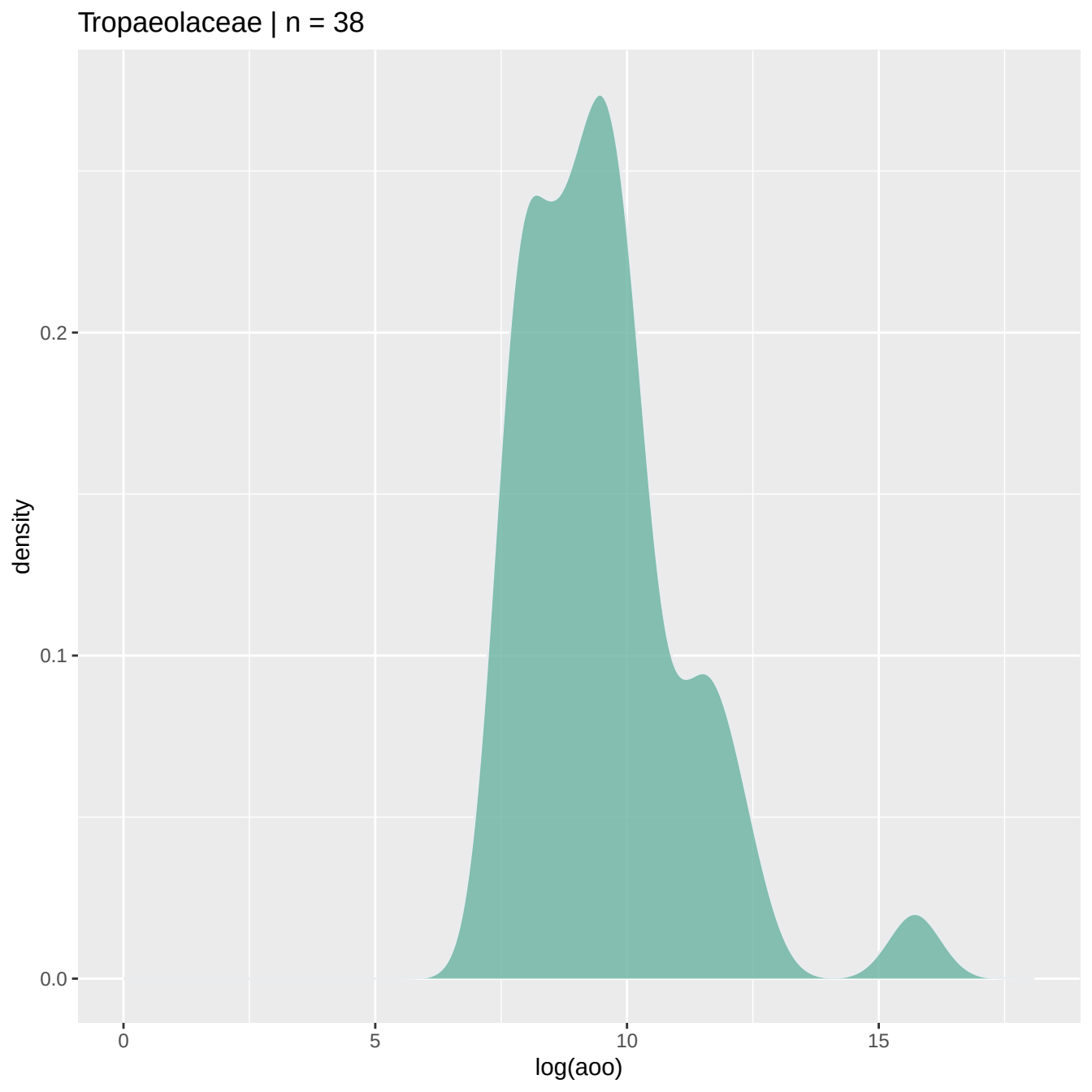

Staphyleaceae | n = 5
density
0.20
0.15
0.10
0.05
0.00
0
5
10
15
log(aoo)

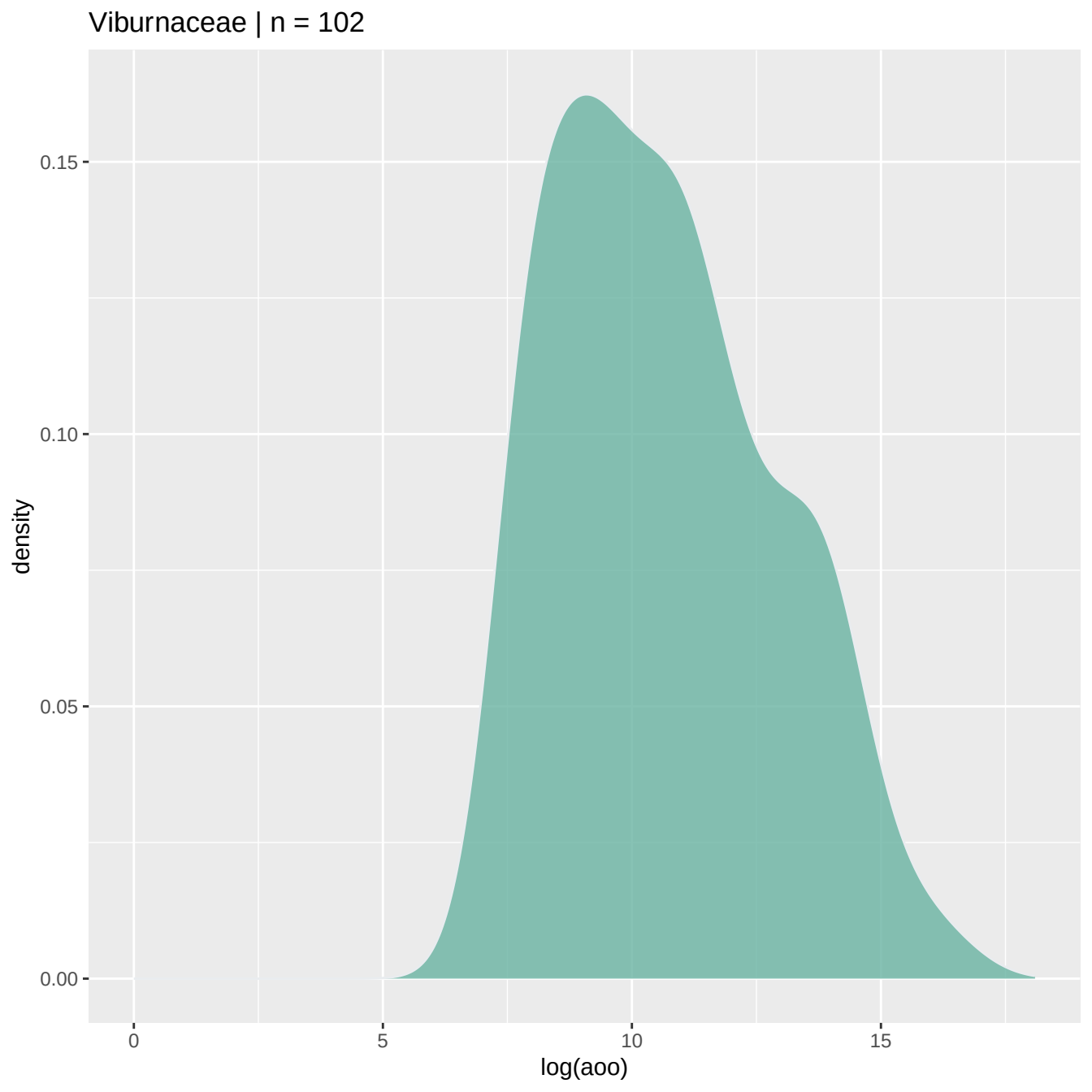

Strasburgeriaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)


Ticodendraceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)


Tovariaceae | n = 1
0.050
0.025
0.000
−0.025
−0.050
density
0
5
10
15
log(aoo)


Trigoniaceae | n = 3
density
0.0
0.1
0.2
0.3
0.4
0
5
10
15
log(aoo)


Tropaeolaceae | n = 38
density
0.2
0.1
0.0
0
5
10
15
log(aoo)


Viburnaceae | n = 102
0.15
0.10
0.05
0.00
density
0
5
10
15
log(aoo)