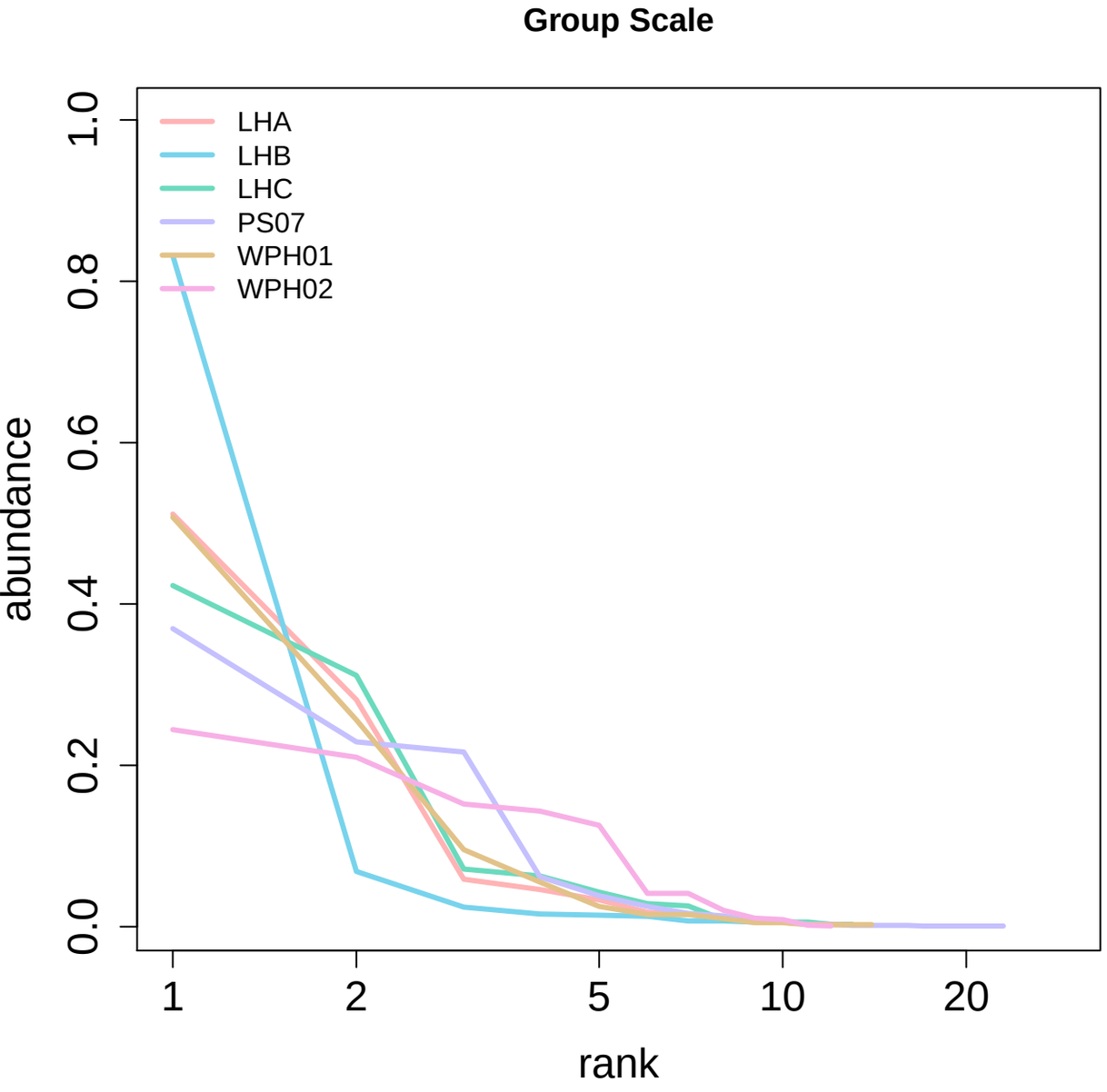
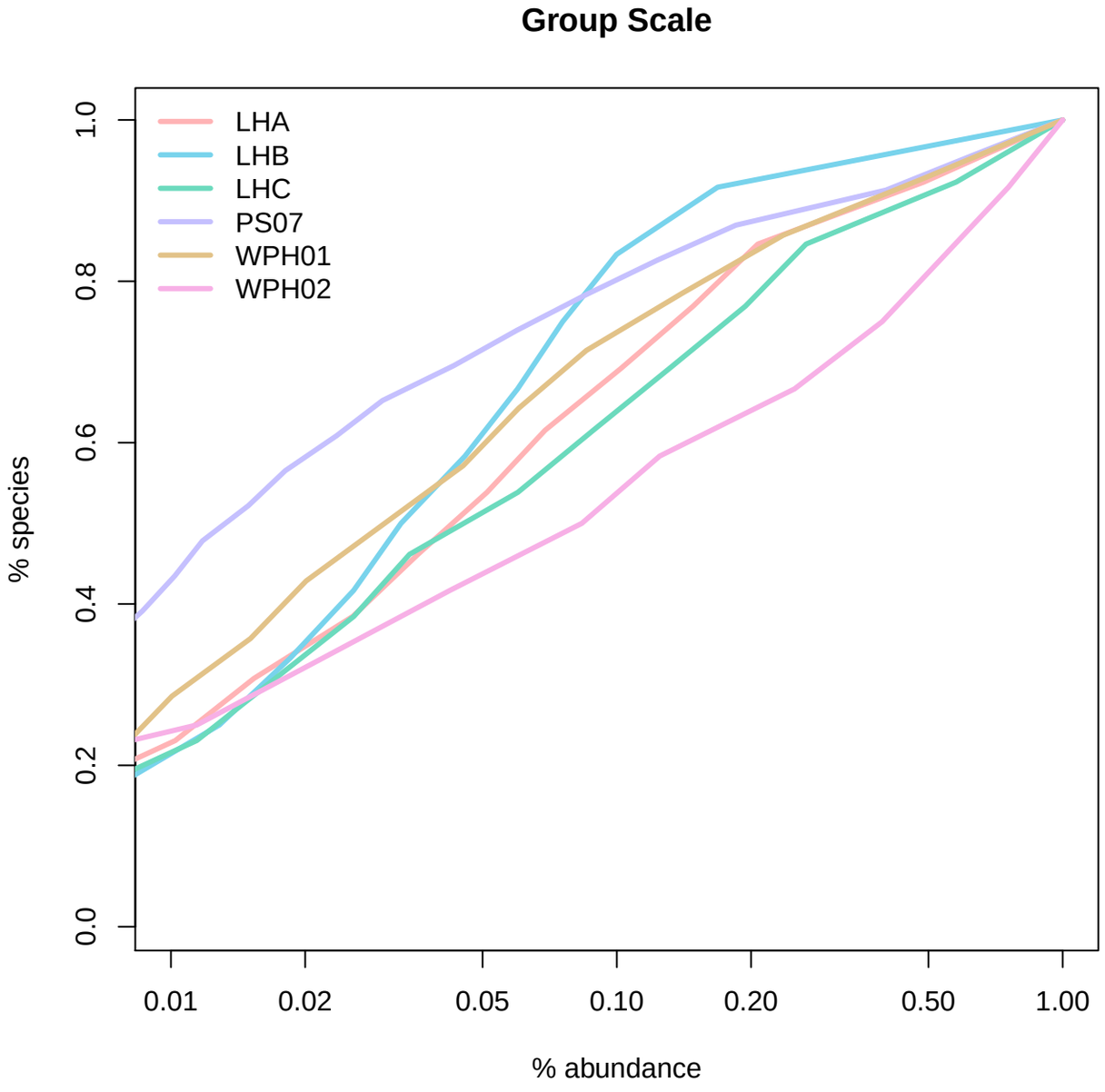
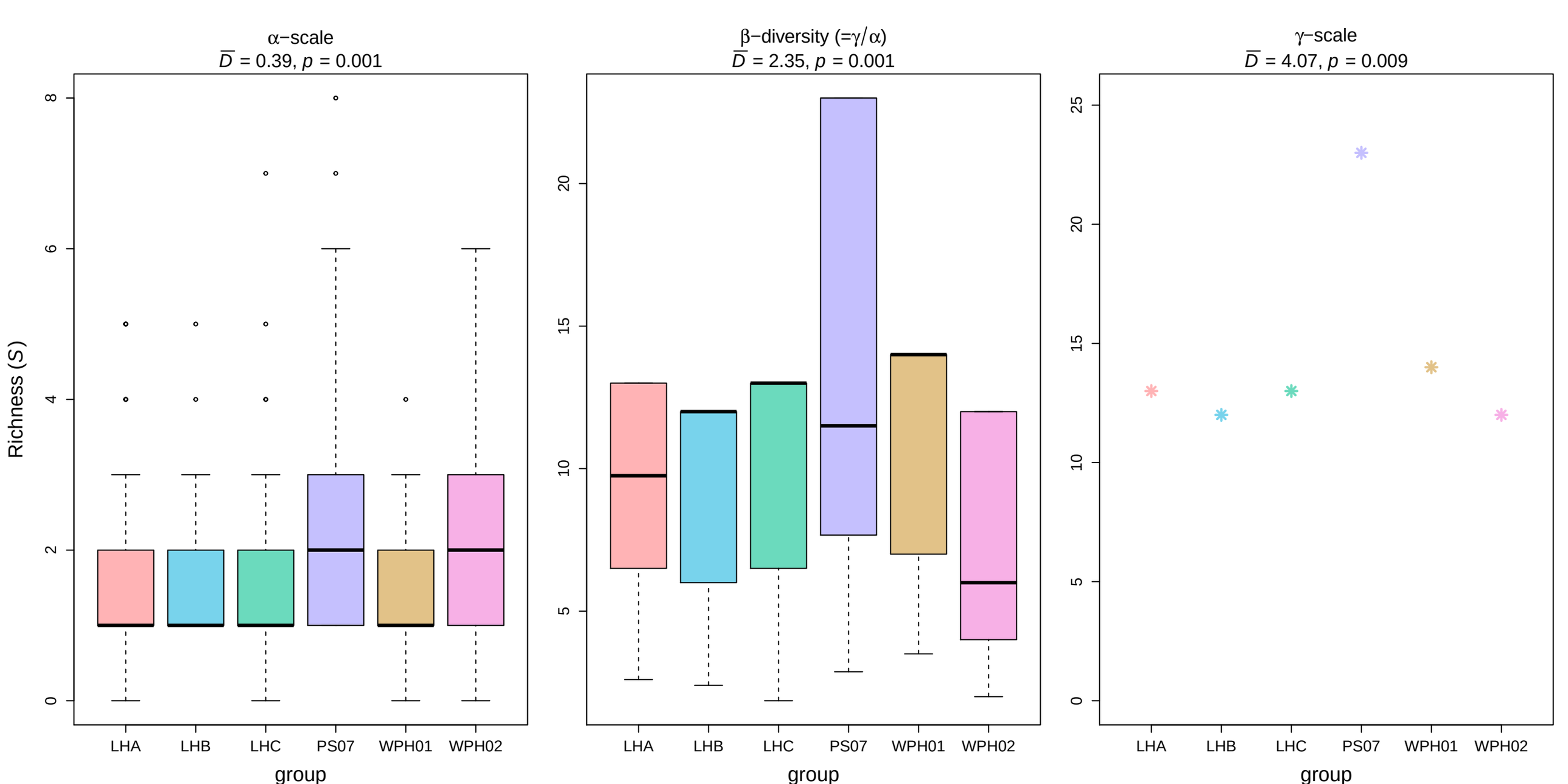
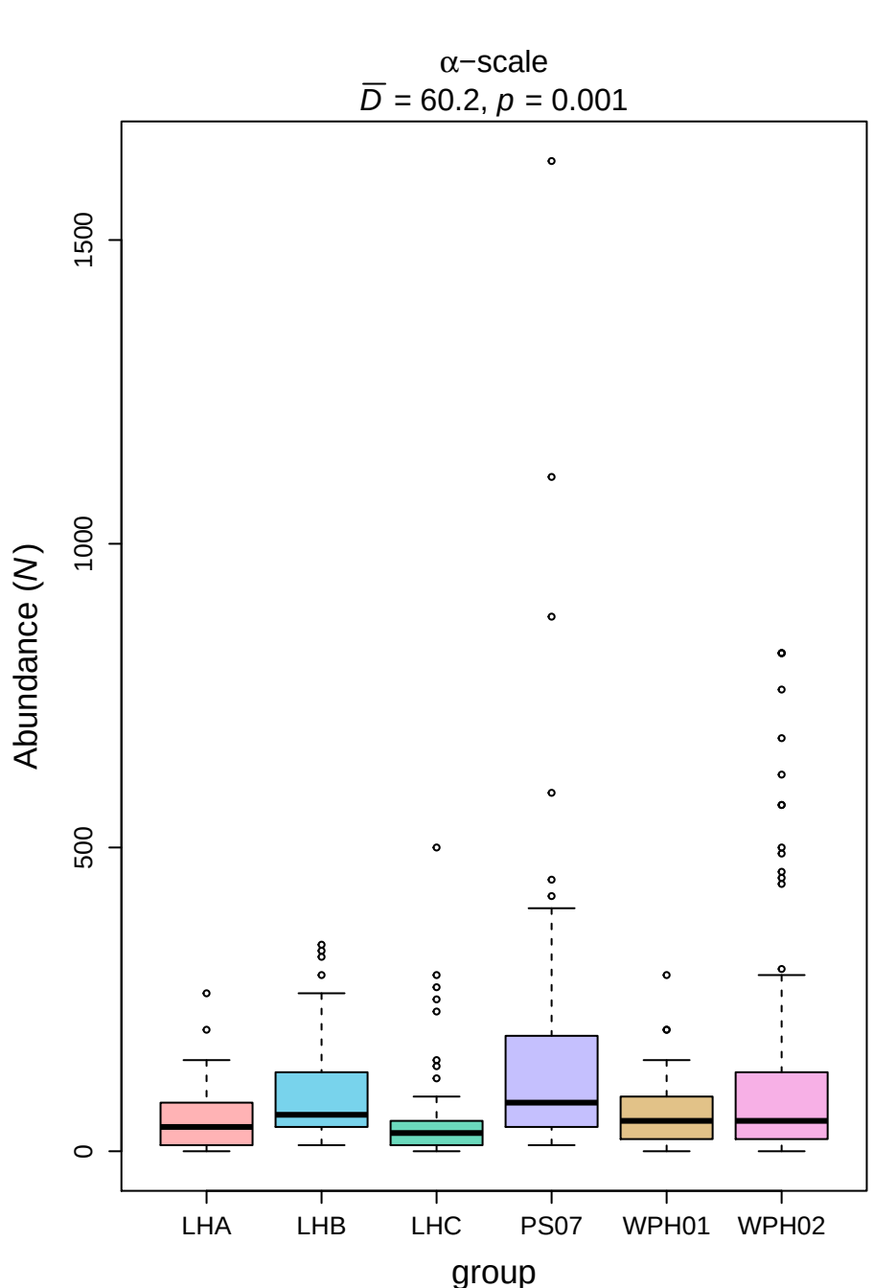
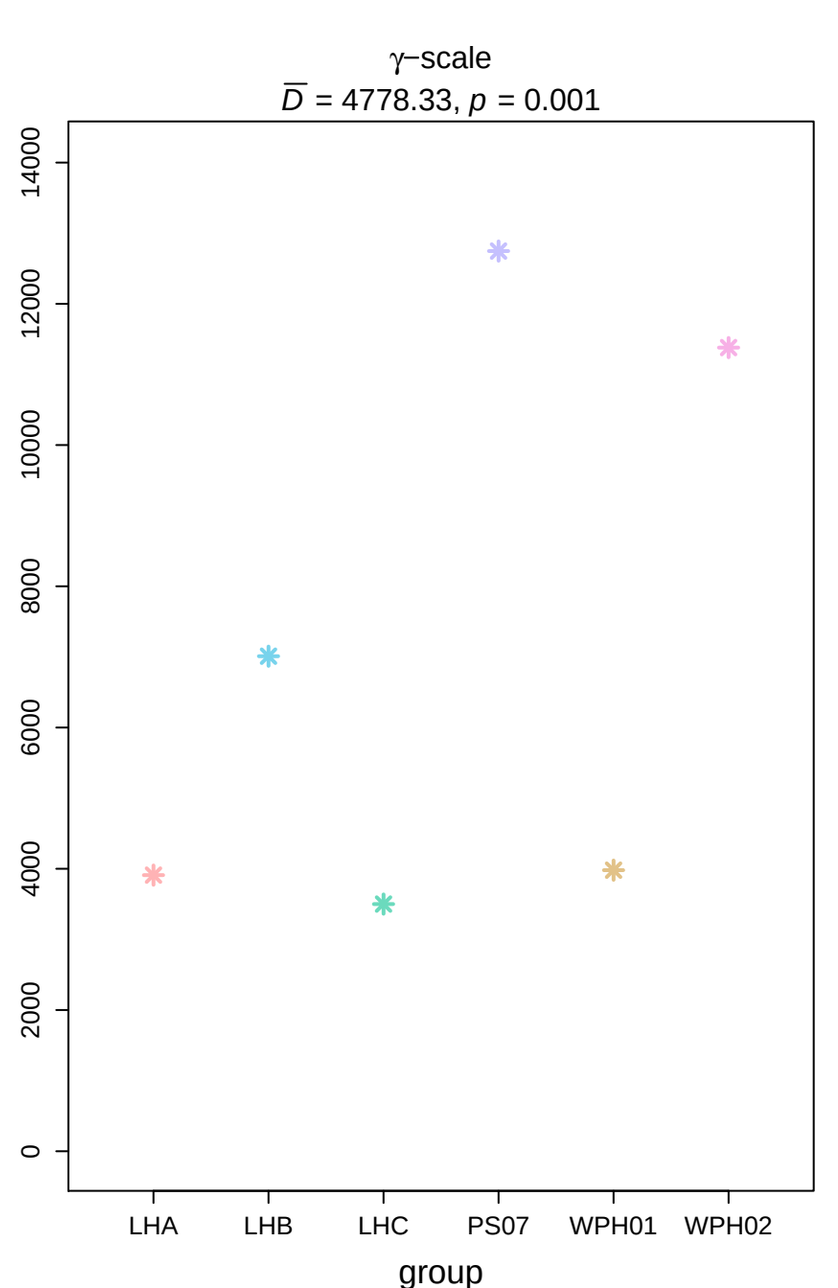
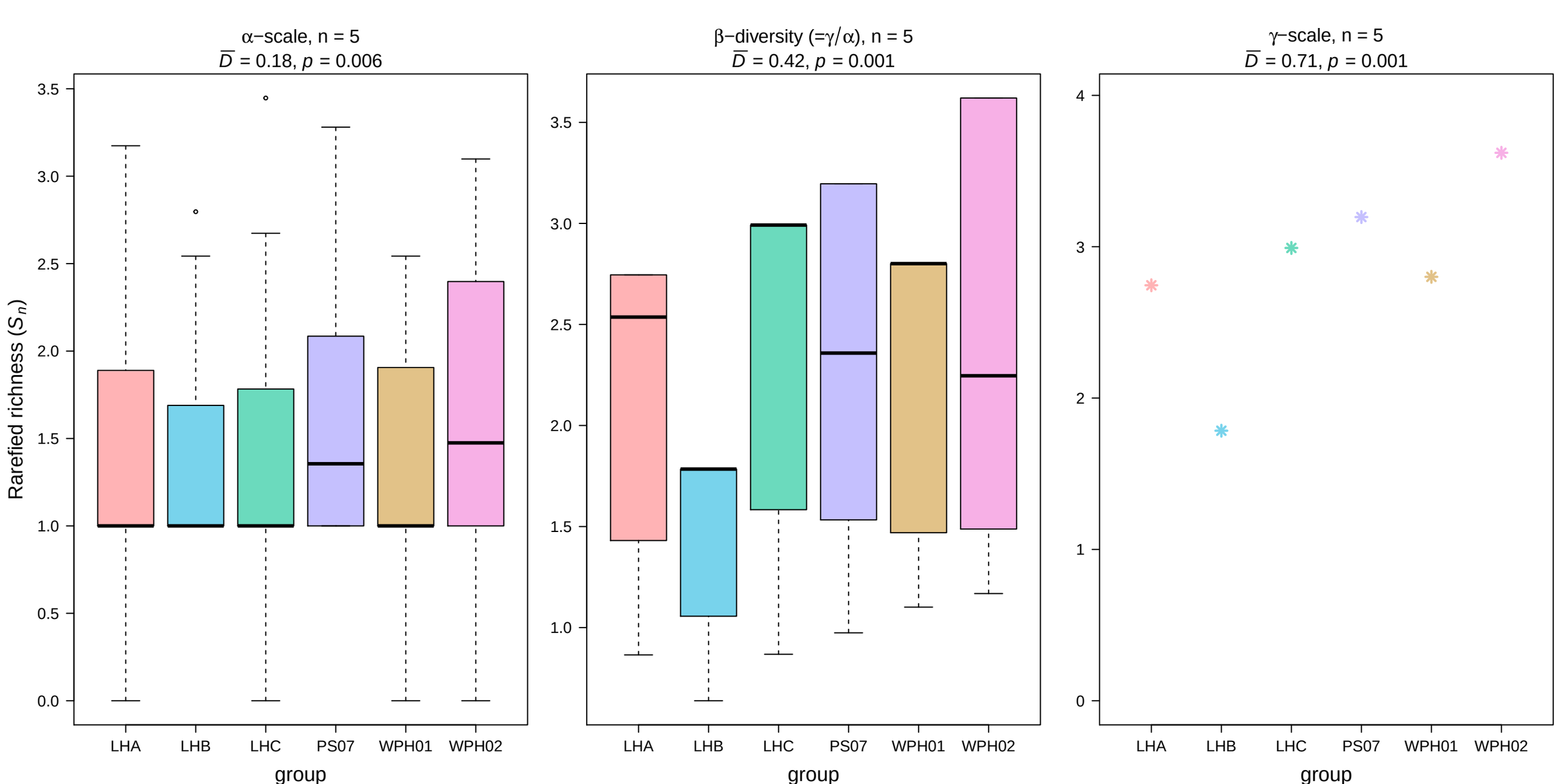

Group Scale
LHA
LHB
LHC
PS07
WPH01
WPH02
abundance
0.0
0.2
0.4
0.6
0.8
1.0
1
2
5
10
20
rank

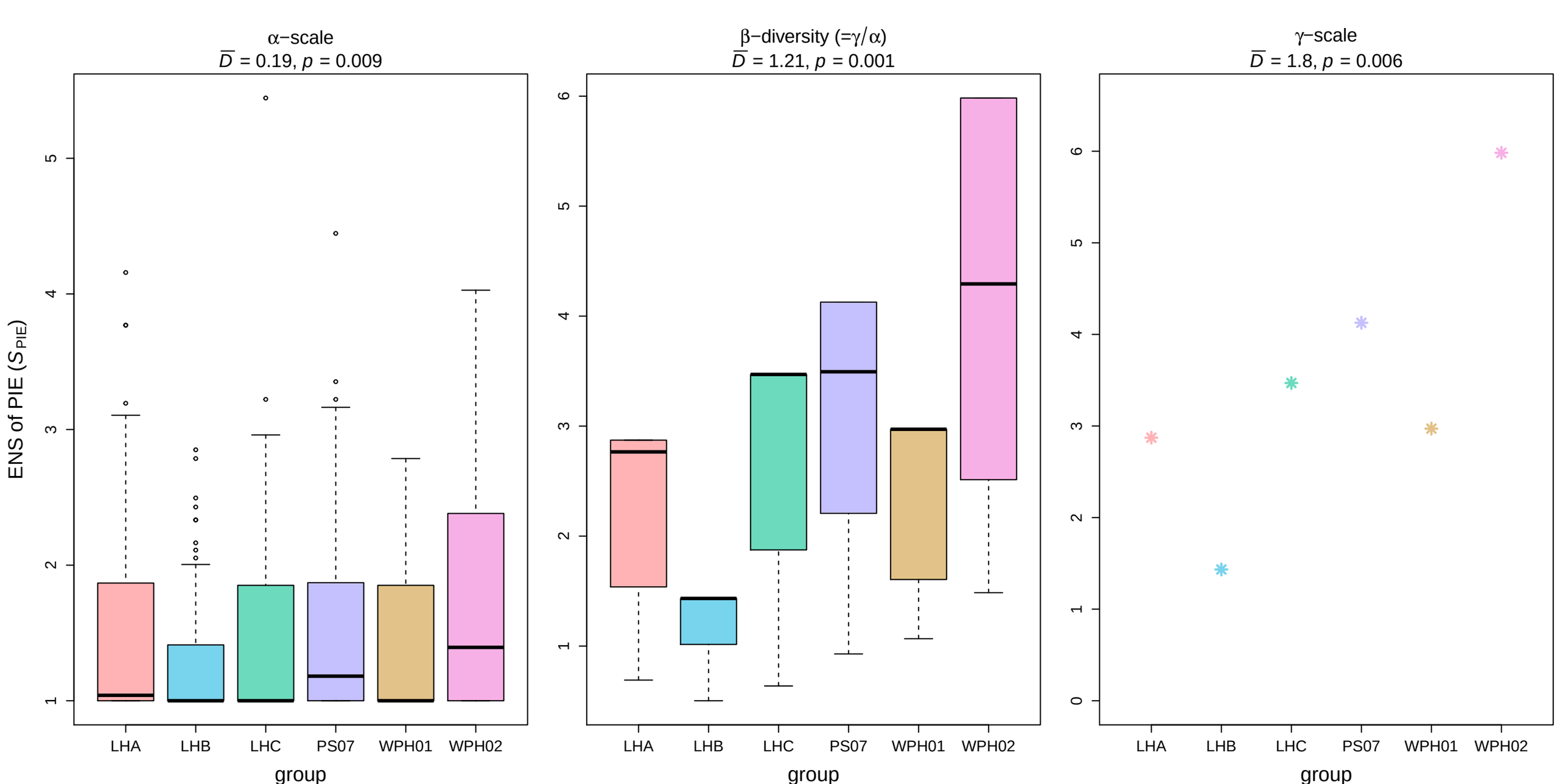

Group Scale
LHA
LHB
LHC
PS07
WPH01
WPH02
% species
0.0
0.2
0.4
0.6
0.8
1.0
0.01
0.02
0.05
0.10
0.20
0.50
1.00
% abundance

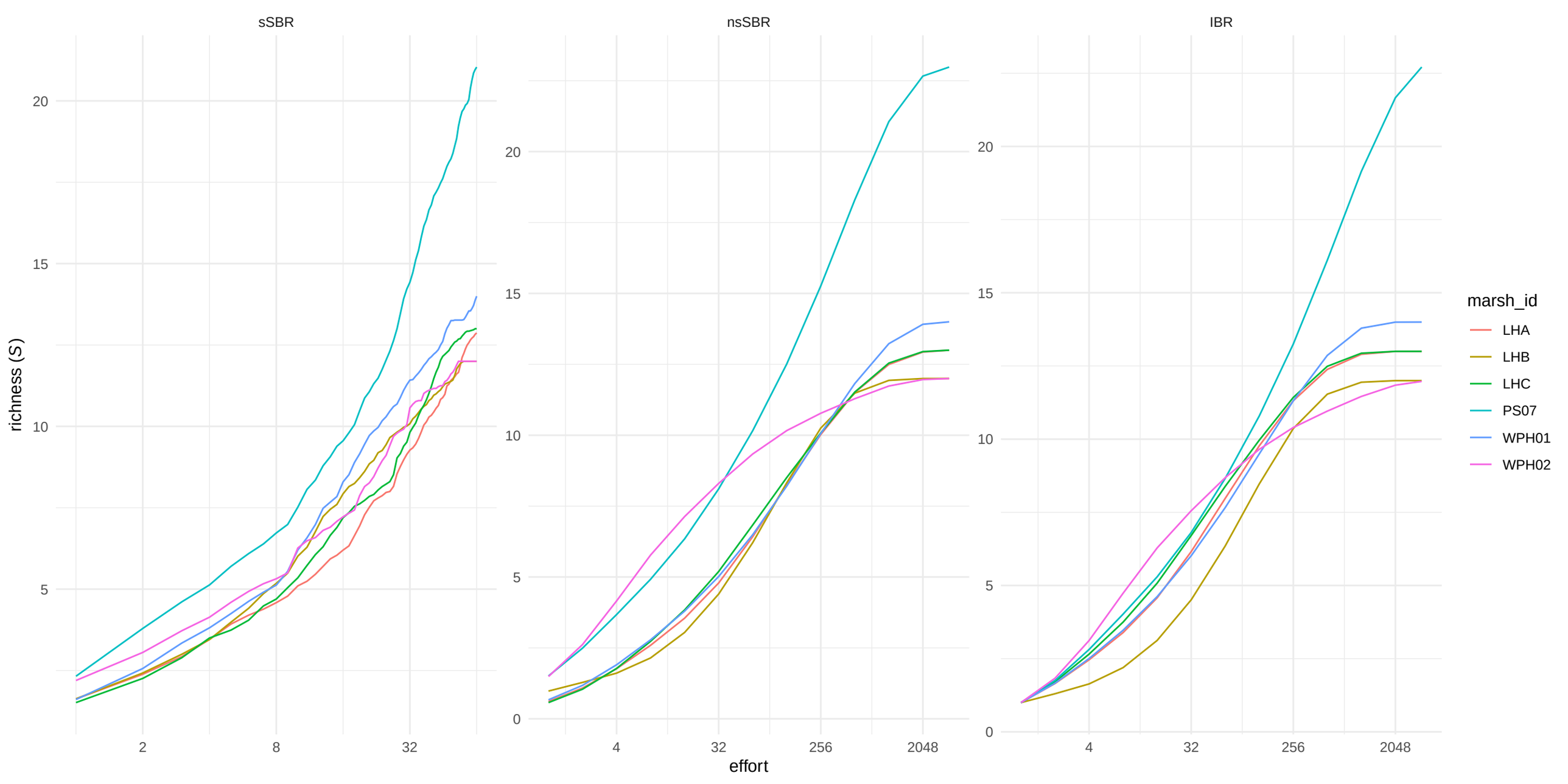

α−scale
$\overline{D}$ = 0.39, p = 0.001
β−diversity (=γ/α)
$\overline{D}$ = 2.35, p = 0.001
γ−scale
$\overline{D}$ = 4.07, p = 0.009
Richness (S)
0
2
4
6
8
5
10
15
20
0
5
10
15
20
25
LHA
LHB
LHC
PS07
WPH01
WPH02
group

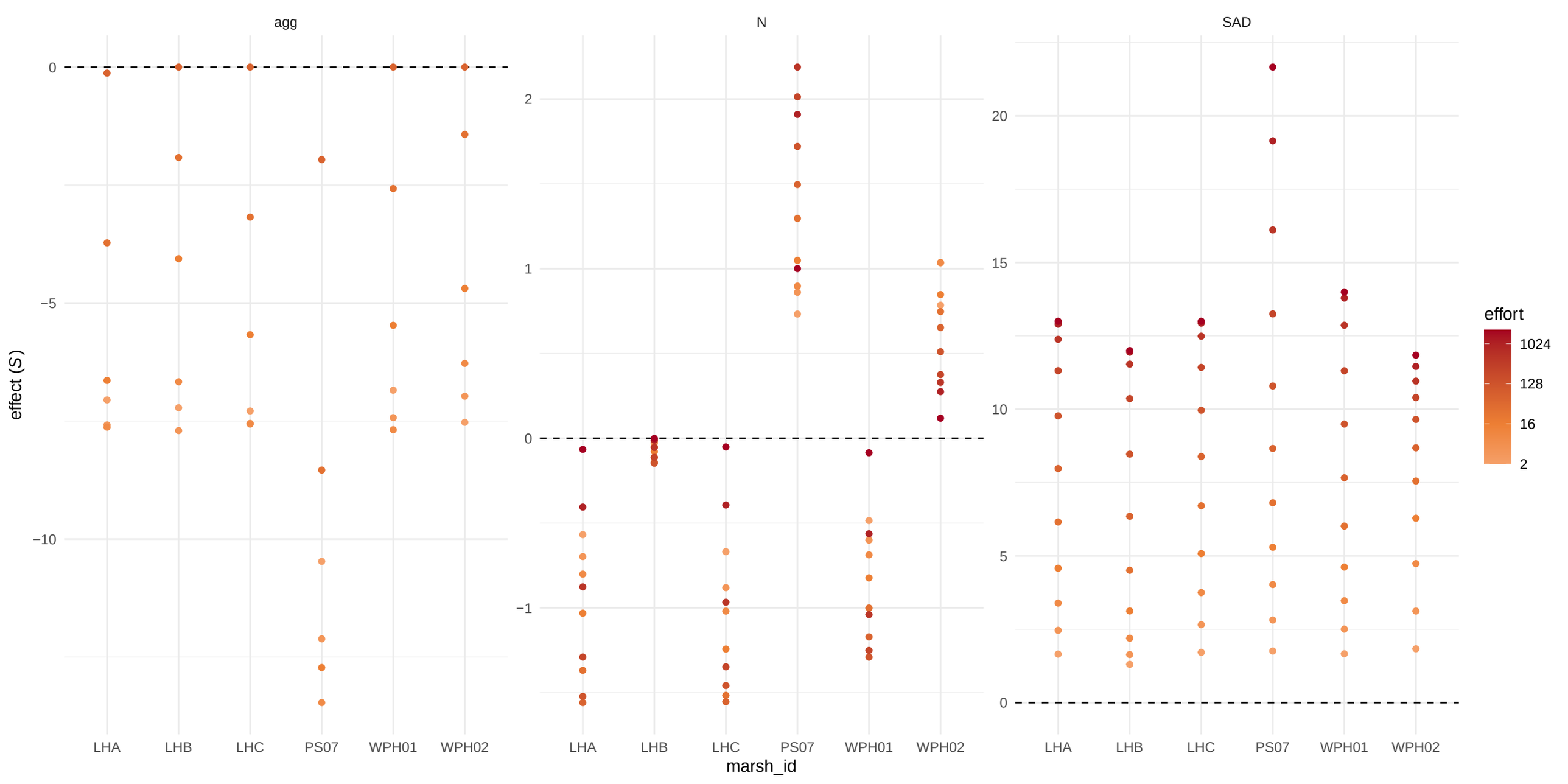

α−scale
$\overline{D}$ = 60.2, p = 0.001
Abundance (N)
0
500
1000
1500
LHA
LHB
LHC
PS07
WPH01
WPH02
group

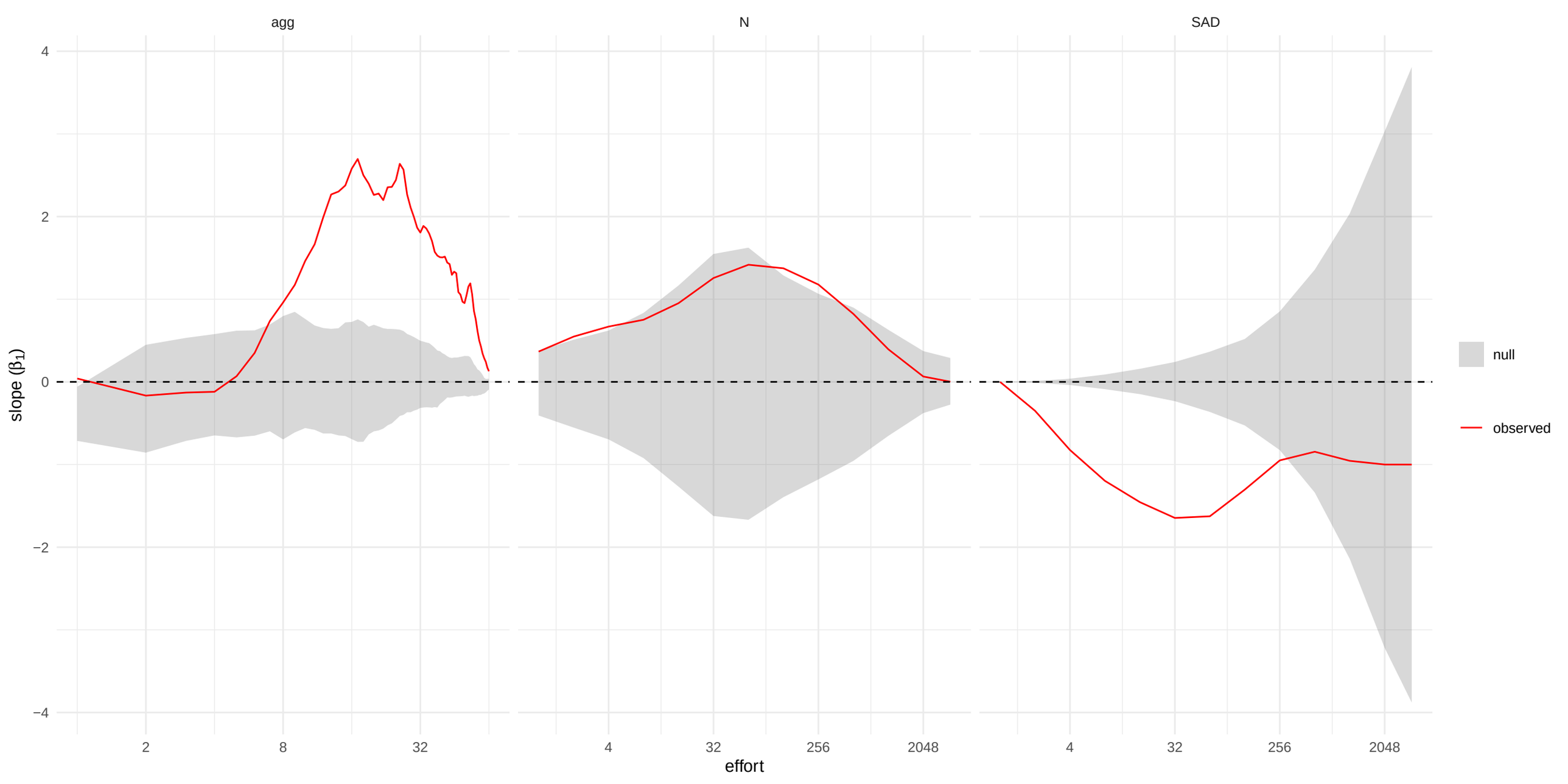

γ−scale
$\overline{D}$ = 4778.33, p = 0.001
0
2000
4000
6000
8000
10000
12000
14000
LHA
LHB
LHC
PS07
WPH01
WPH02
group

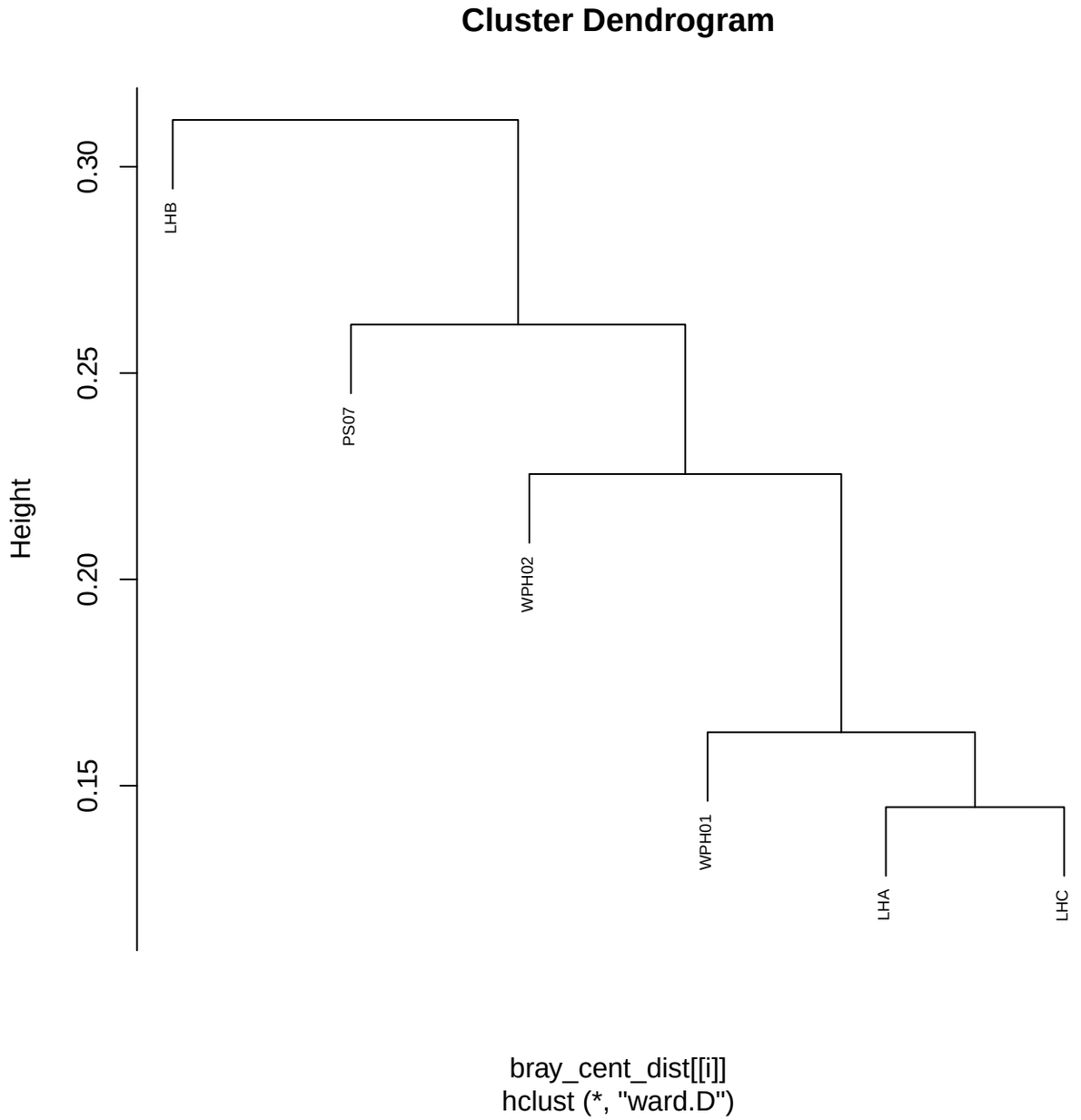

α−scale, n = 5
$\overline{D}$ = 0.18, p = 0.006
β−diversity (=γ/α), n = 5
$\overline{D}$ = 0.42, p = 0.001
γ−scale, n = 5
$\overline{D}$ = 0.71, p = 0.001
Rarefied richness (S_n)
group
LHA
LHB
LHC
PS07
WPH01
WPH02


α−scale
$\overline{D}$ = 0.19, p = 0.009
β−diversity (=γ/α)
$\overline{D}$ = 1.21, p = 0.001
γ−scale
$\overline{D}$ = 1.8, p = 0.006
ENS of PIE (S_{PIE})
group
LHA
LHB
LHC
PS07
WPH01
WPH02


sSBR
nsSBR
IBR
richness (S)
effort
0
5
10
15
20
2
4
8
32
256
2048
marsh_id
LHA
LHB
LHC
PS07
WPH01
WPH02


agg
N
SAD
effect (S)
marsh_id
effort
1024
128
16
2
0
−5
−10
2
1
0
−1
20
15
10
5
0
LHA
LHB
LHC
PS07
WPH01
WPH02


agg
N
SAD
4
2
0
−2
−4
slope (β_1)
2
8
32
4
32
256
2048
4
32
256
2048
effort
null
observed



	pairs	R2	p.value	p.adjusted
1	LHA vs LHB	0.03269628	0.002997003	0.04495504
2	LHA vs LHC	0.01483874	0.096903097	1.00000000
3	LHA vs WPH01	0.01638620	0.053946054	0.80919081
4	LHA vs WPH02	0.02809245	0.000999001	0.01498501
5	LHA vs PS07	0.03477864	0.000999001	0.01498501
6	LHB vs LHC	0.06665814	0.000999001	0.01498501
7	LHB vs WPH01	0.04339276	0.000999001	0.01498501
8	LHB vs WPH02	0.06116700	0.000999001	0.01498501
9	LHB vs PS07	0.06824900	0.000999001	0.01498501
10	LHC vs WPH01	0.01806907	0.043956044	0.65934066
11	LHC vs WPH02	0.03008941	0.001998002	0.02997003
12	LHC vs PS07	0.03090140	0.002997003	0.04495504
13	WPH01 vs WPH02	0.02323329	0.004995005	0.07492507
14	WPH01 vs PS07	0.02817607	0.001998002	0.02997003
15	WPH02 vs PS07	0.04783936	0.000999001	0.01498501