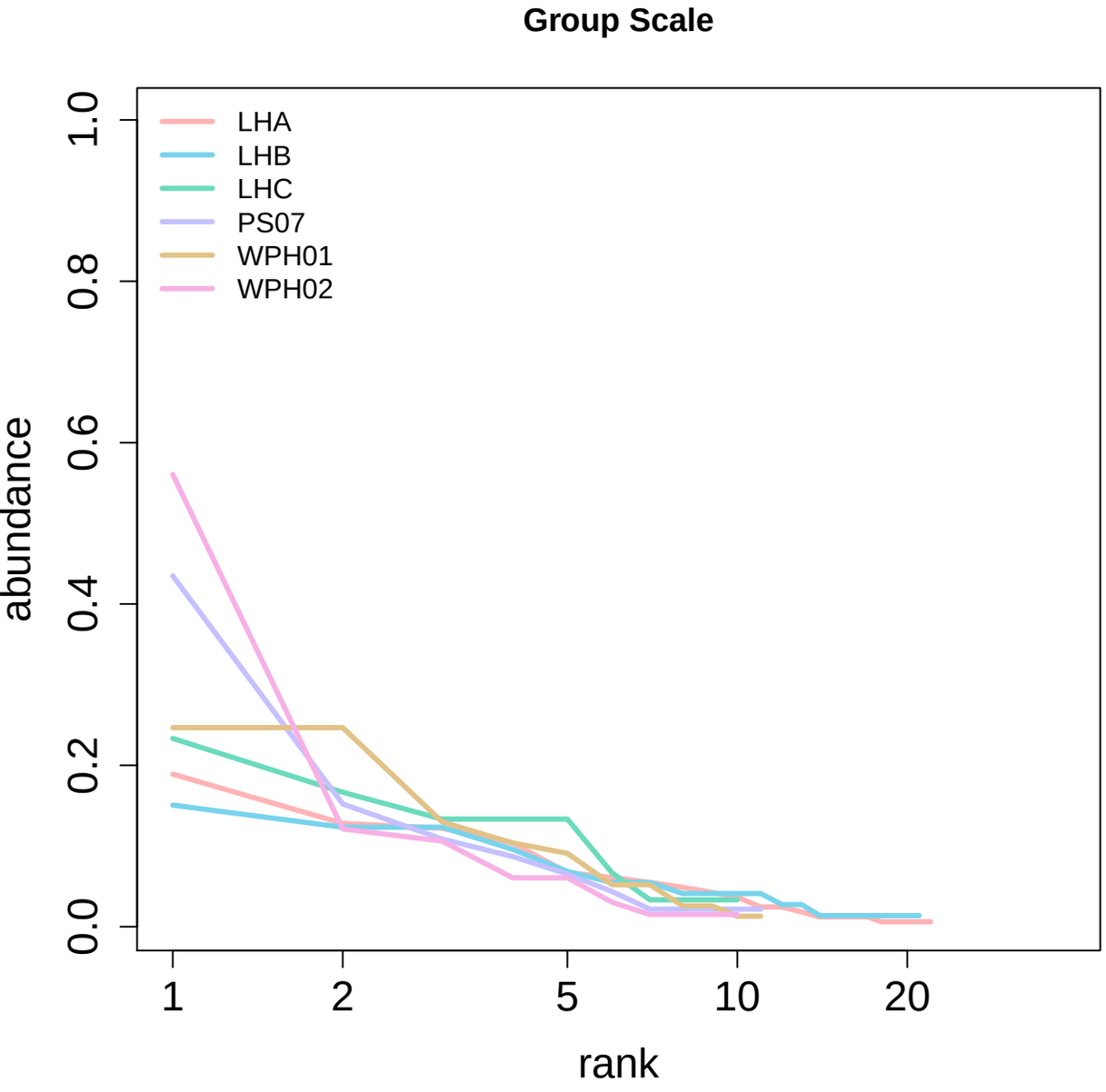
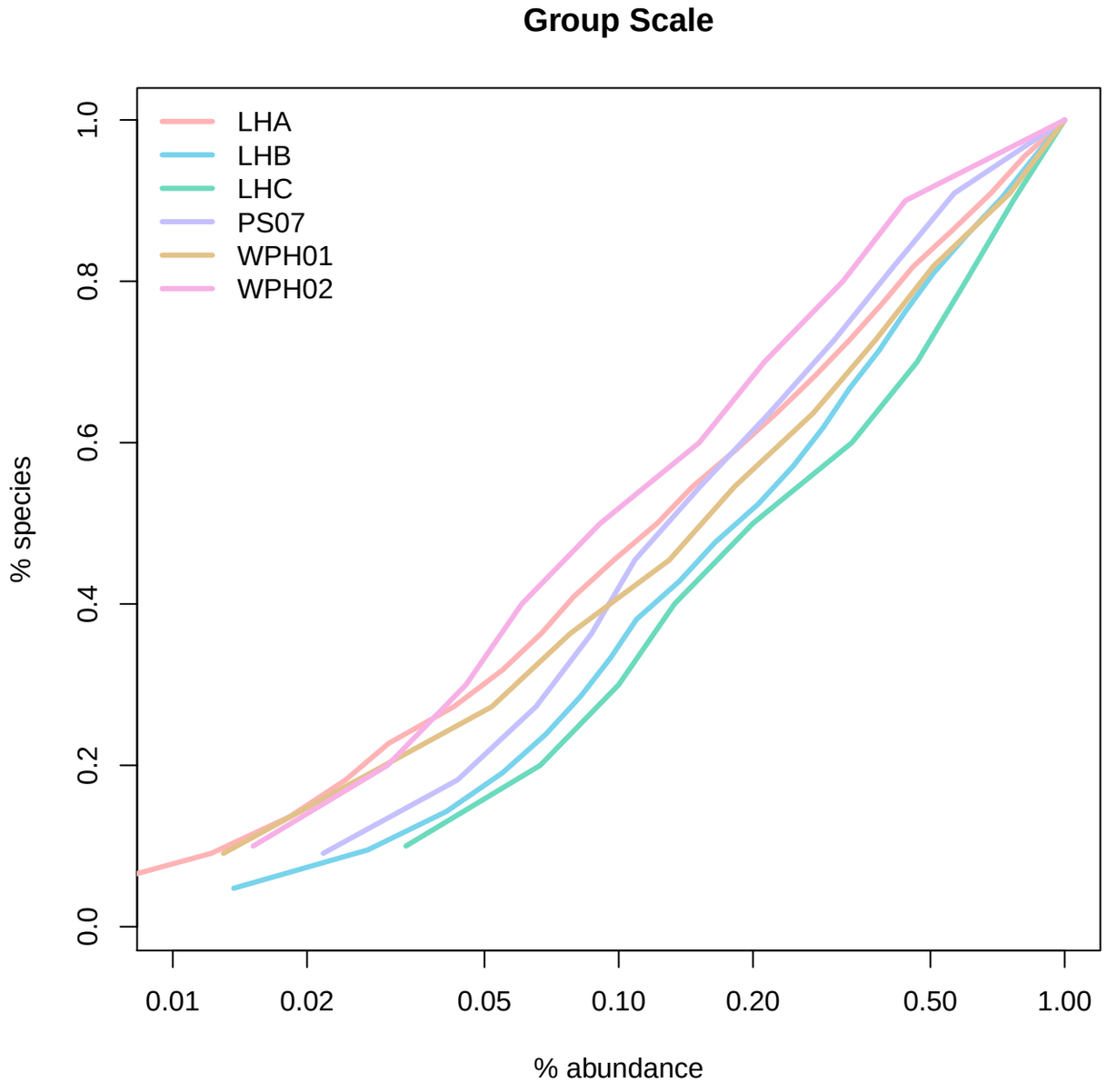
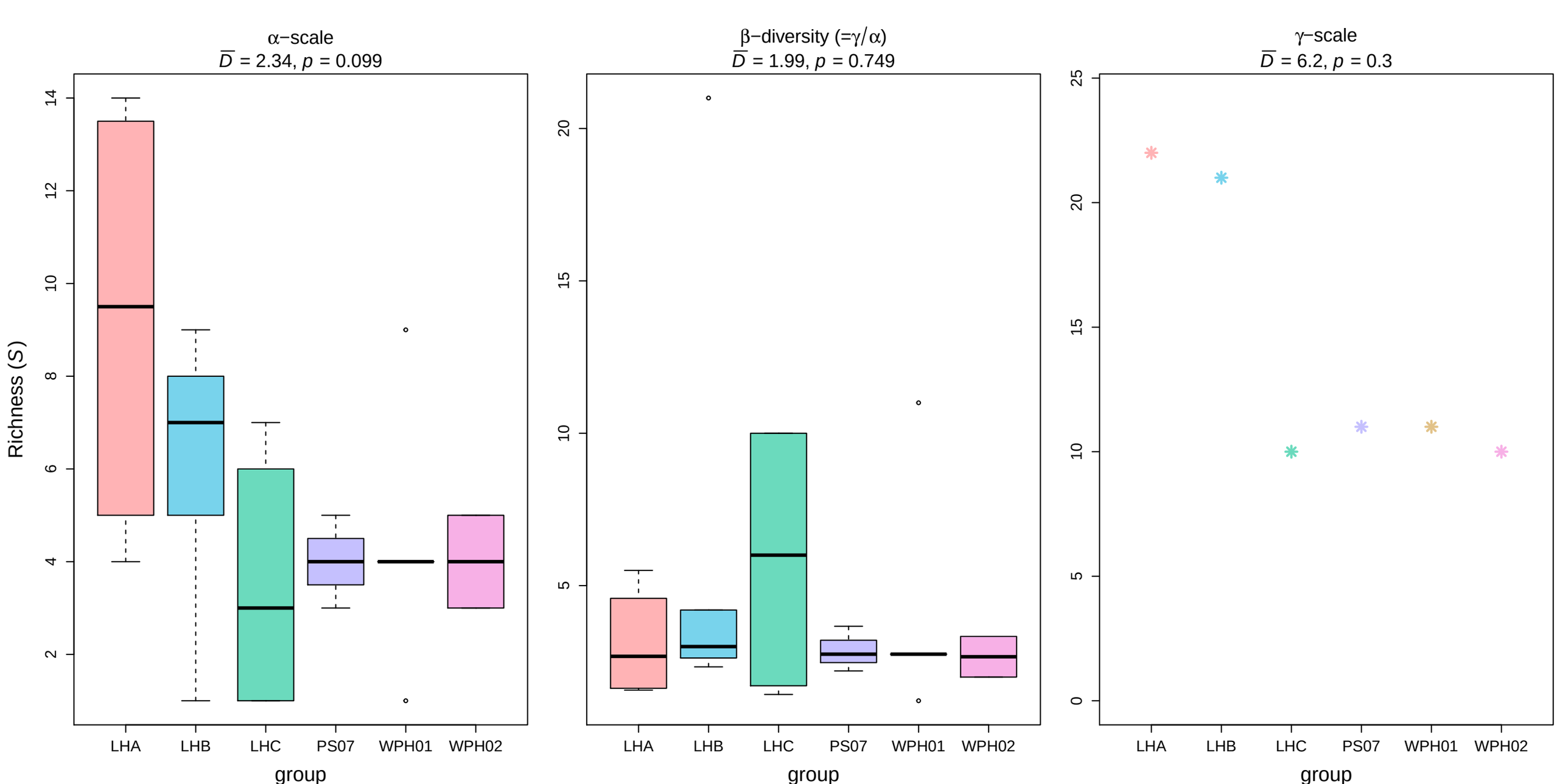
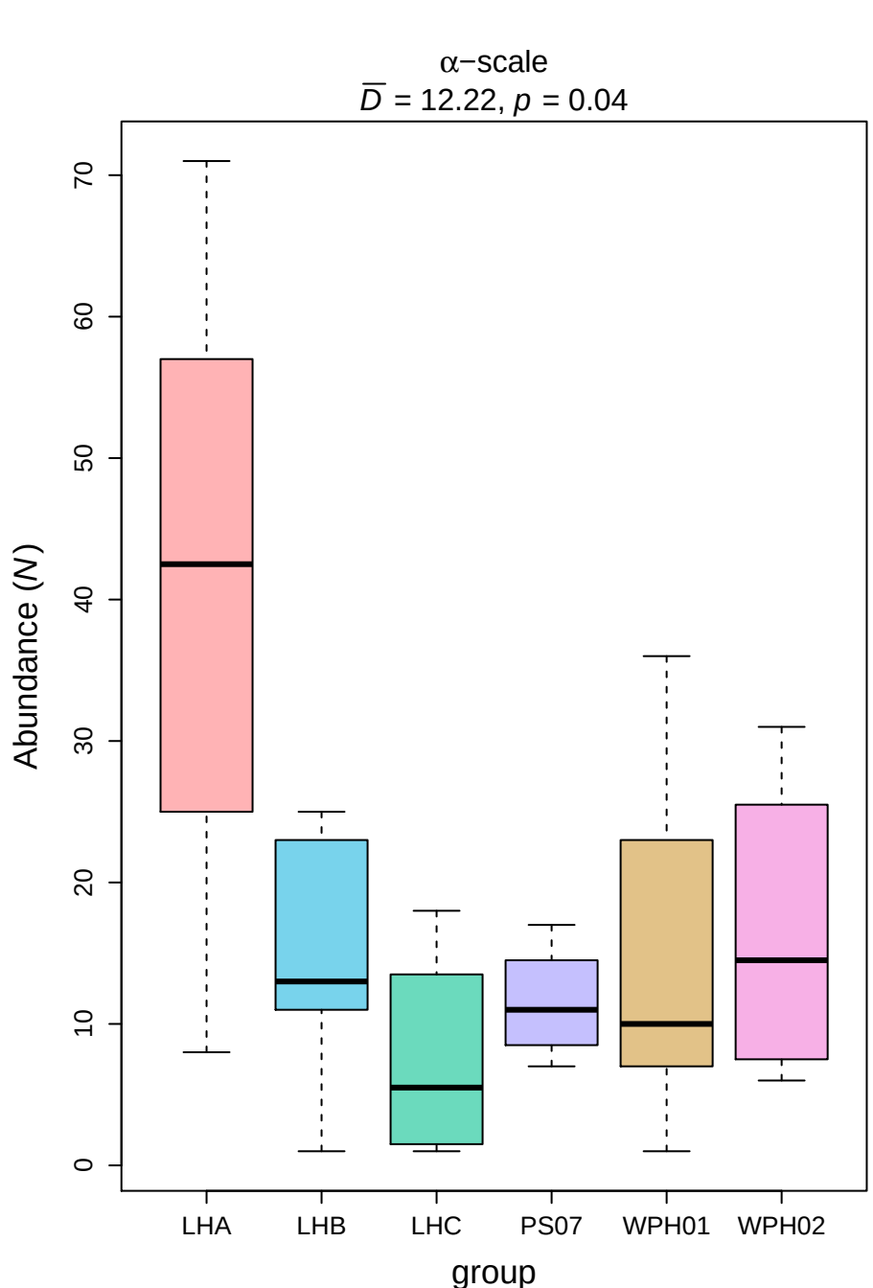
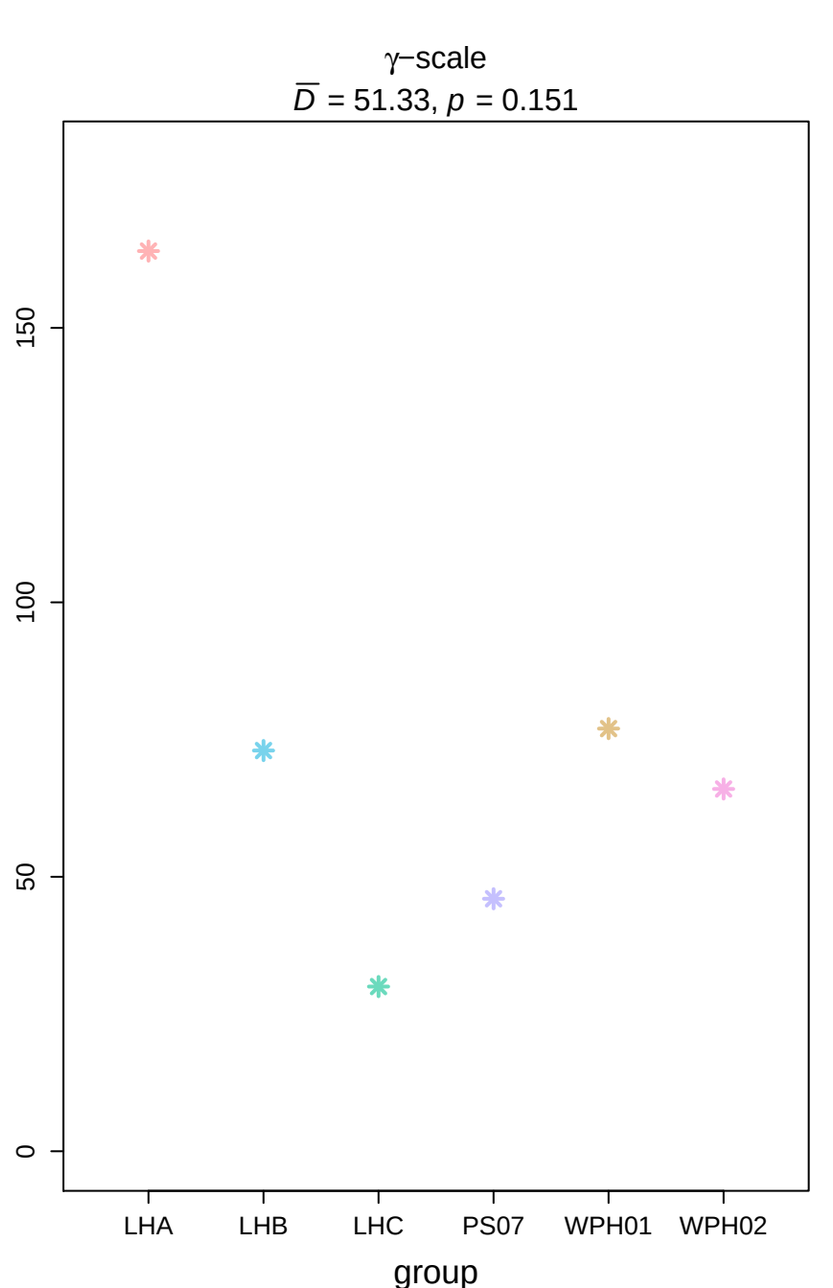
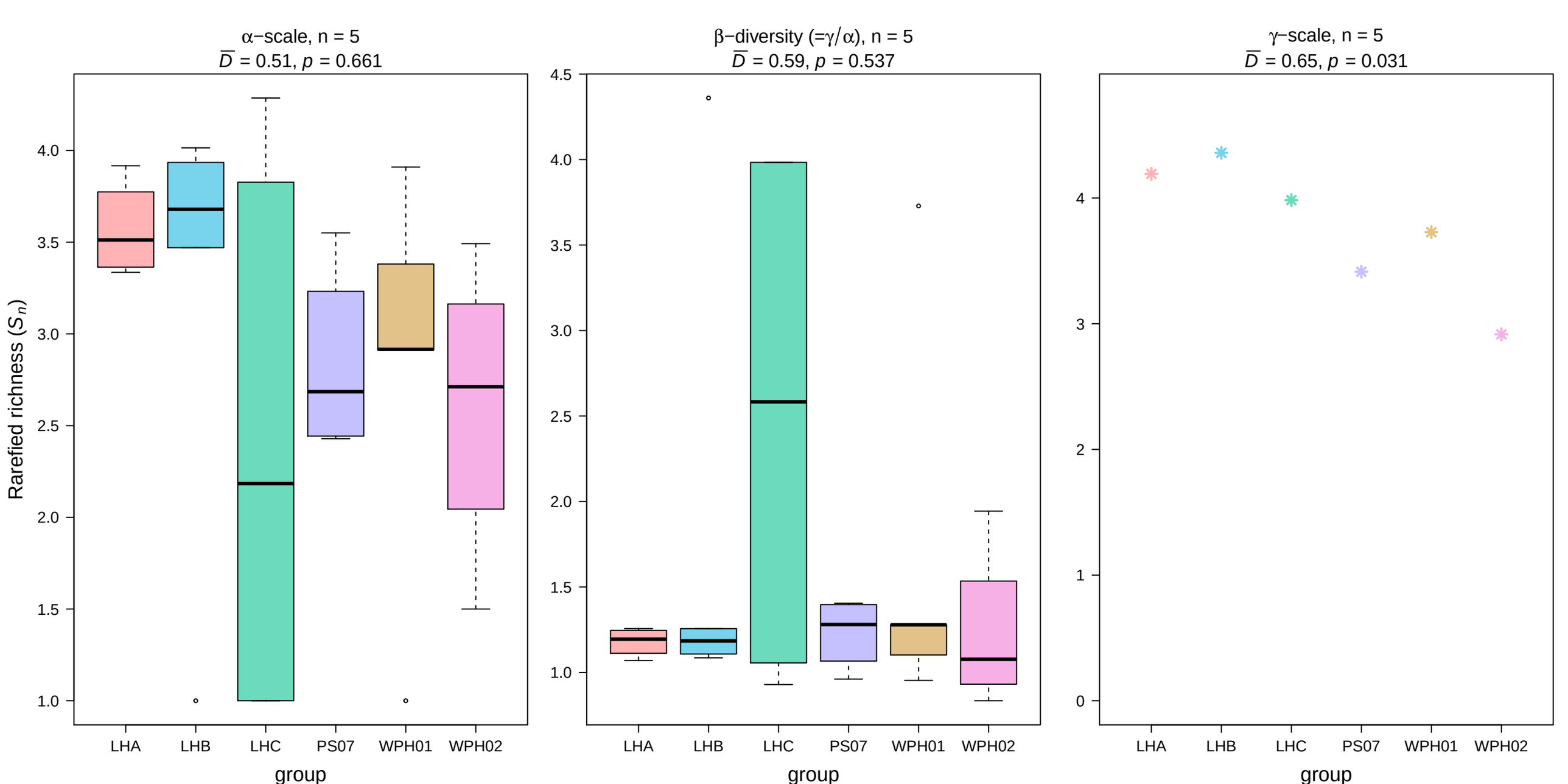

Group Scale
LHA
LHB
LHC
PS07
WPH01
WPH02
abundance
0.0
0.2
0.4
0.6
0.8
1.0
1
2
5
10
20
rank

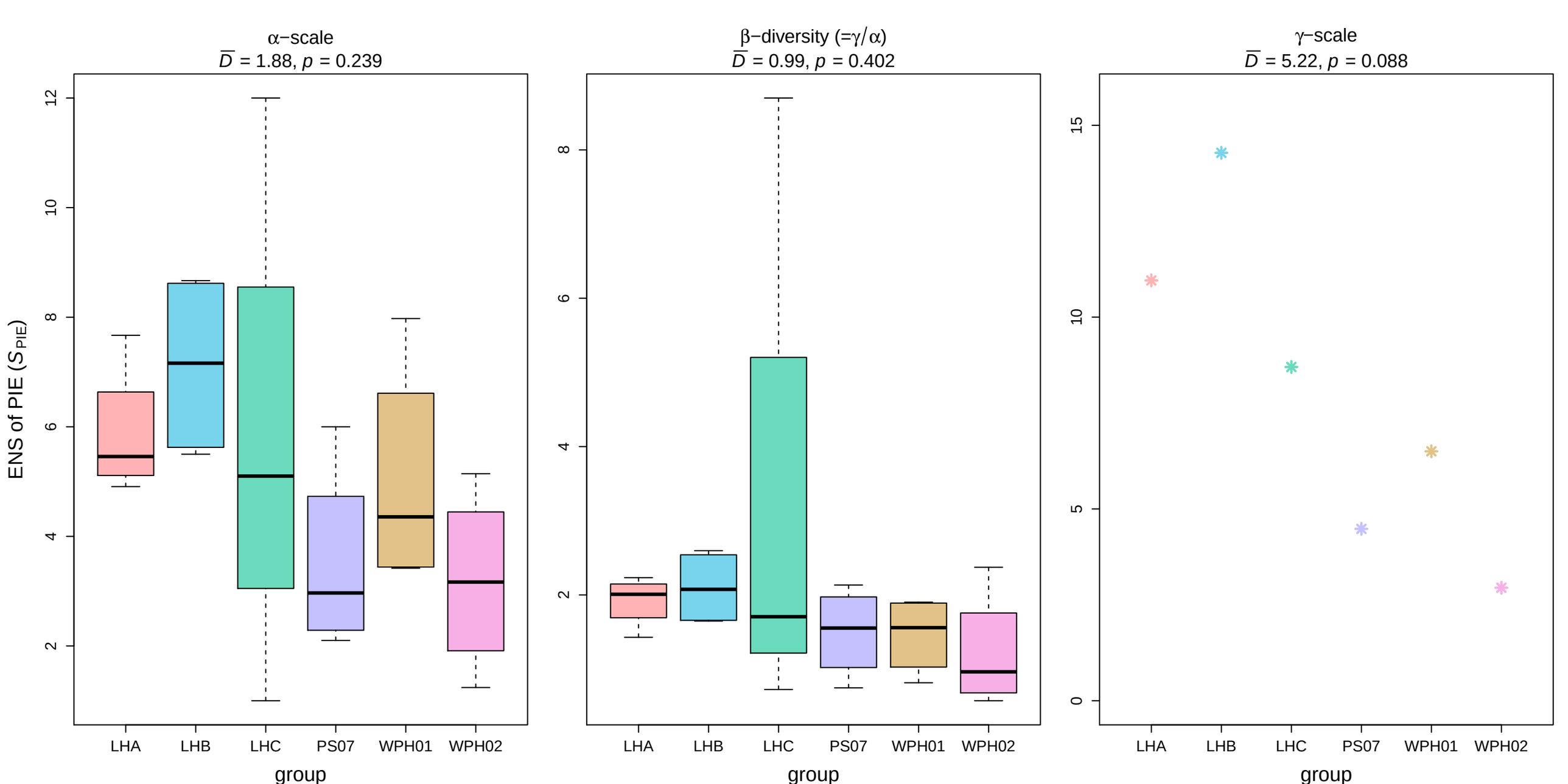

Group Scale
LHA
LHB
LHC
PS07
WPH01
WPH02
% species
0.0
0.2
0.4
0.6
0.8
1.0
0.01
0.02
0.05
0.10
0.20
0.50
1.00
% abundance

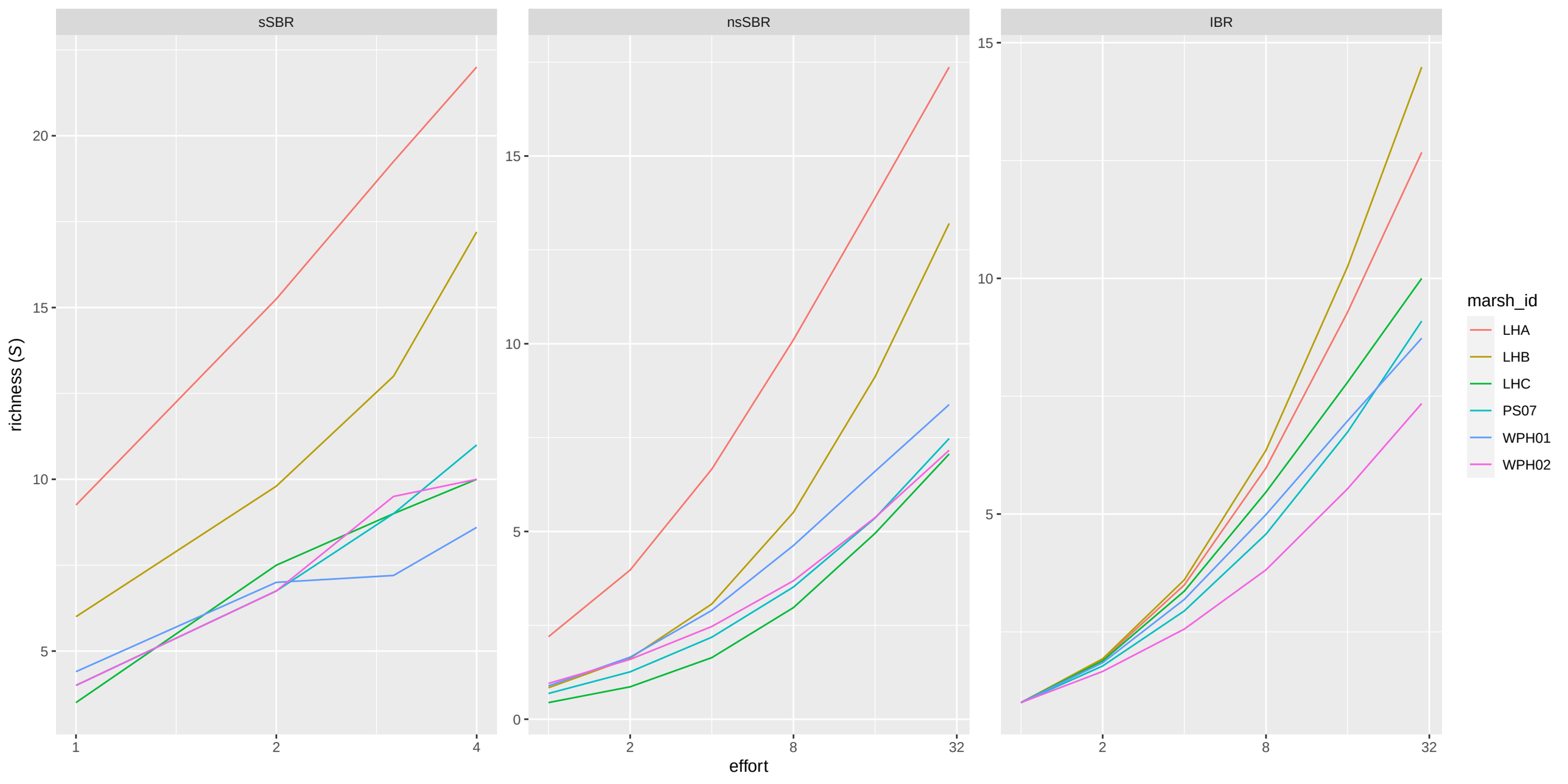

α−scale
$\overline{D}$ = 2.34, p = 0.099
β−diversity (=γ/α)
$\overline{D}$ = 1.99, p = 0.749
γ−scale
$\overline{D}$ = 6.2, p = 0.3
Richness (S)
group
LHA
LHB
LHC
PS07
WPH01
WPH02

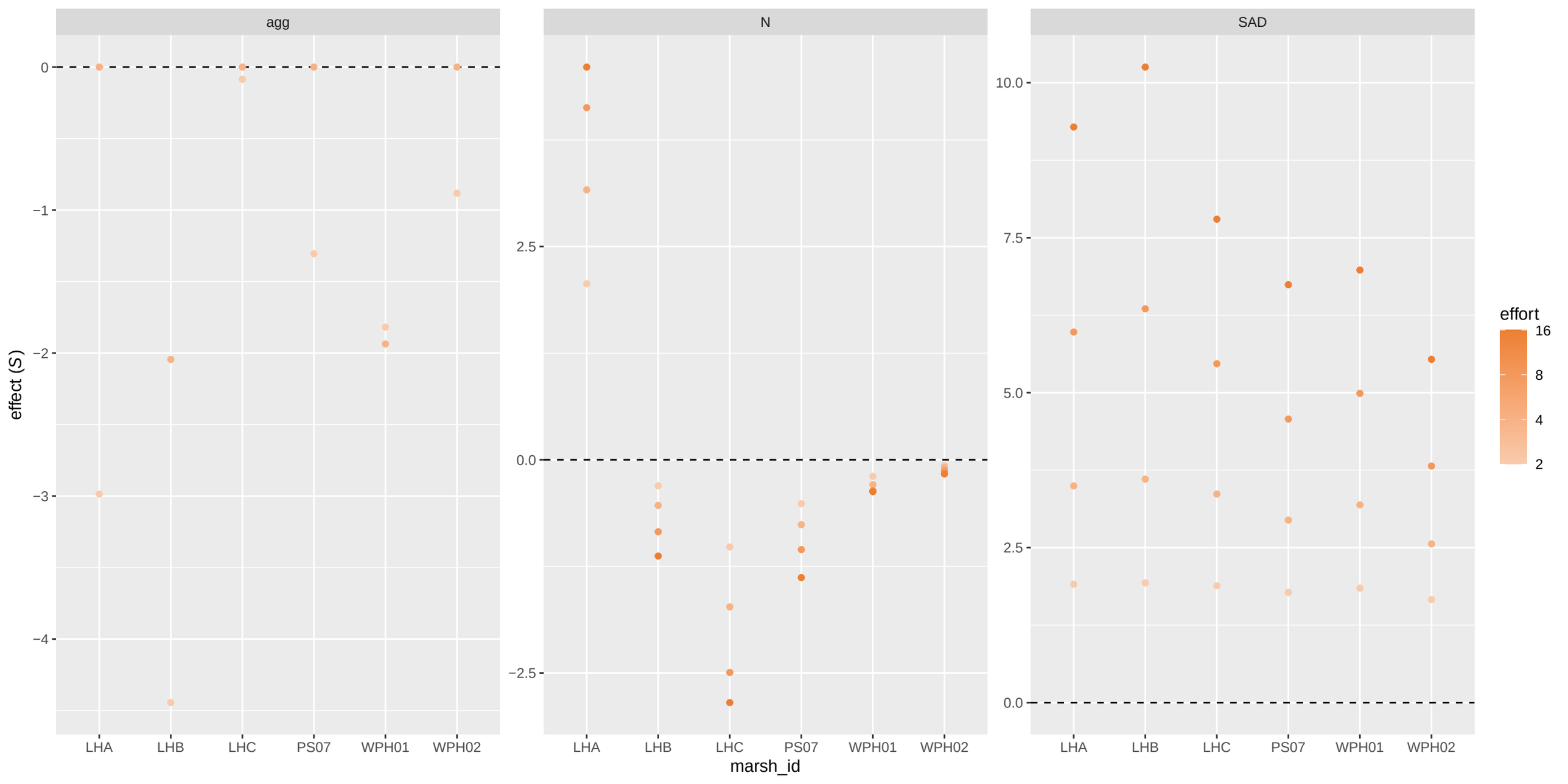

α−scale
$\overline{D}$ = 12.22, p = 0.04
Abundance (N)
0
10
20
30
40
50
60
70
LHA
LHB
LHC
PS07
WPH01
WPH02
group

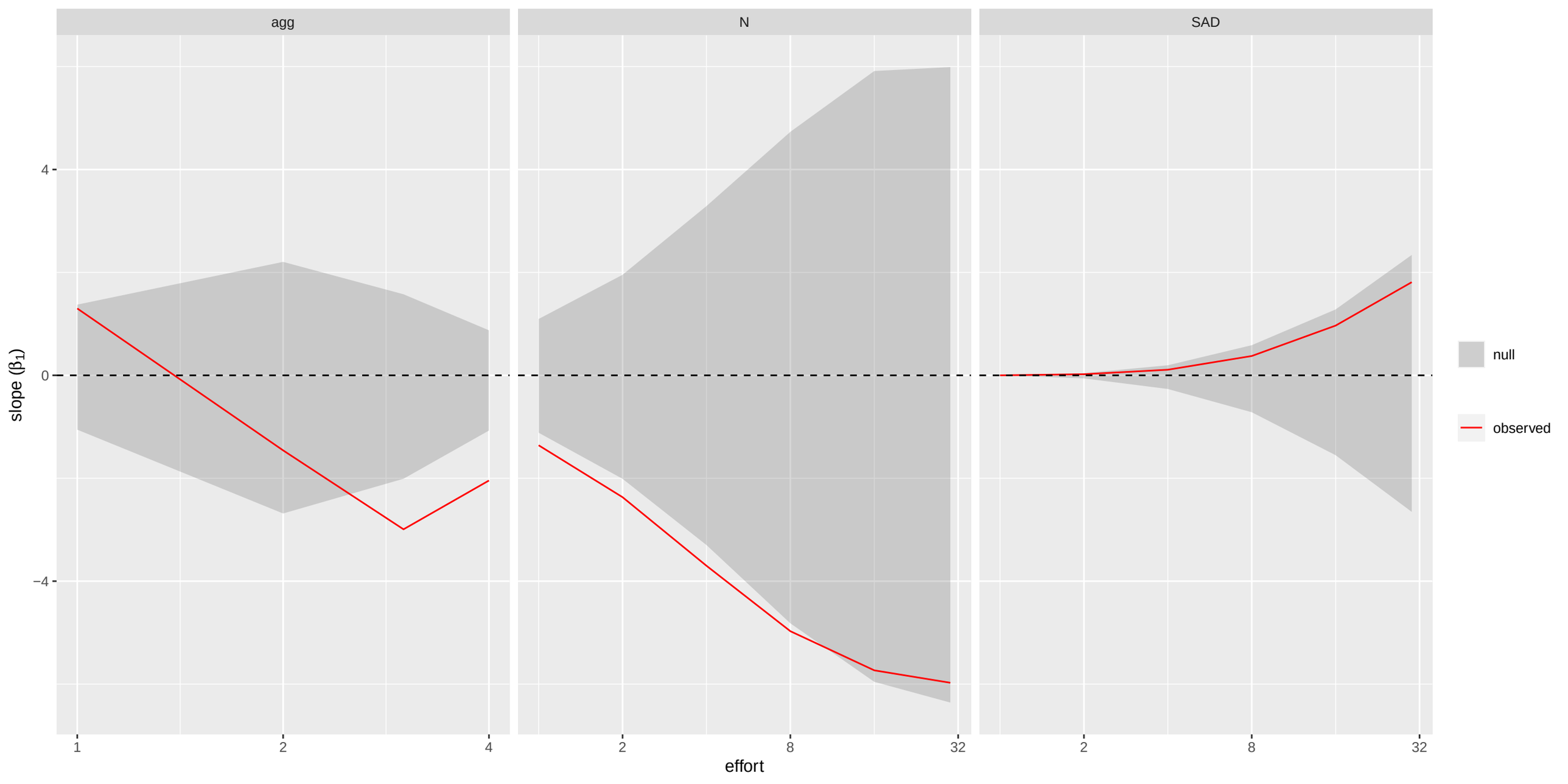

γ−scale
$\overline{D}$ = 51.33, p = 0.151
0
50
100
150
LHA
LHB
LHC
PS07
WPH01
WPH02
group

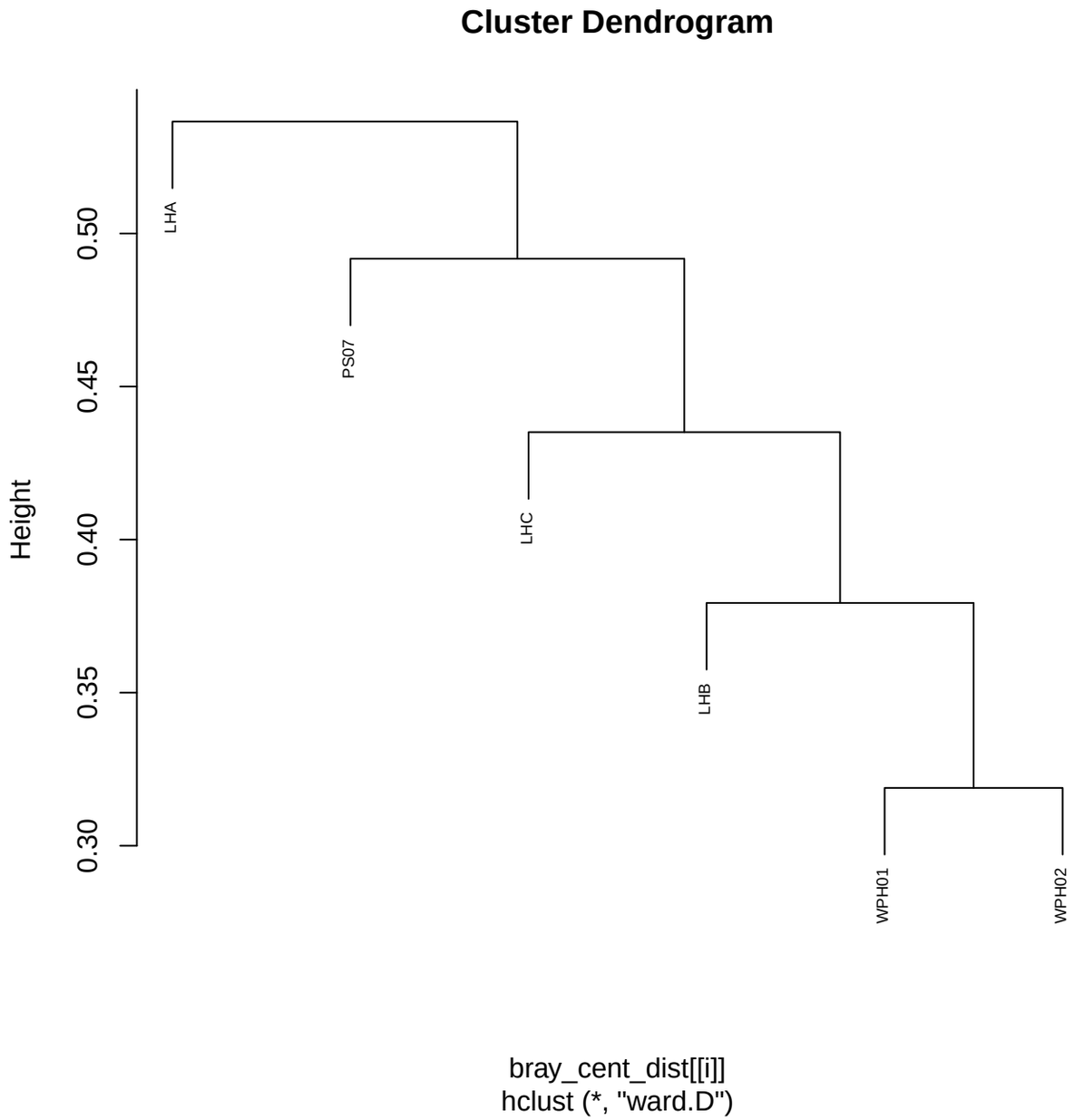

α−scale, n = 5
$\overline{D}$ = 0.51, p = 0.661
β−diversity (=γ/α), n = 5
$\overline{D}$ = 0.59, p = 0.537
γ−scale, n = 5
$\overline{D}$ = 0.65, p = 0.031
Rarefied richness (S_n)
LHA
LHB
LHC
PS07
WPH01
WPH02
group


α−scale
$\overline{D}$ = 1.88, p = 0.239
β−diversity (=γ/α)
$\overline{D}$ = 0.99, p = 0.402
γ−scale
$\overline{D}$ = 5.22, p = 0.088
ENS of PIE (S_{PIE})
group
LHA
LHB
LHC
PS07
WPH01
WPH02


sSBR
nsSBR
IBR
richness (S)
effort
marsh_id
LHA
LHB
LHC
PS07
WPH01
WPH02


agg
N
SAD
effect (S)
marsh_id
effort
16
8
4
2
0
−1
−2
−3
−4
2.5
0.0
−2.5
10.0
7.5
5.0
2.5
0.0
LHA
LHB
LHC
PS07
WPH01
WPH02


agg
N
SAD
4
0
−4
slope (β_1)
1
2
4
2
8
32
2
8
32
effort
null
observed



	pairs	R2	p.value	p.adjusted
1	LHA vs LHB	0.14470499	0.26373626	1.0000000
2	LHA vs LHC	0.17316562	0.14485514	1.0000000
3	LHA vs PS07	0.26339609	0.03096903	0.4645355
4	LHA vs WPH01	0.19049572	0.09190809	1.0000000
5	LHA vs WPH02	0.15461497	0.31468531	1.0000000
6	LHB vs LHC	0.11601073	0.67232767	1.0000000
7	LHB vs PS07	0.13316532	0.36963037	1.0000000
8	LHB vs WPH01	0.09690440	0.57642358	1.0000000
9	LHB vs WPH02	0.10731888	0.60339660	1.0000000
10	LHC vs PS07	0.18352113	0.22377622	1.0000000
11	LHC vs WPH01	0.12980947	0.39360639	1.0000000
12	LHC vs WPH02	0.10701897	0.67332667	1.0000000
13	PS07 vs WPH01	0.18941248	0.12187812	1.0000000
14	PS07 vs WPH02	0.18168913	0.29970030	1.0000000
15	WPH01 vs WPH02	0.08986202	0.73726274	1.0000000