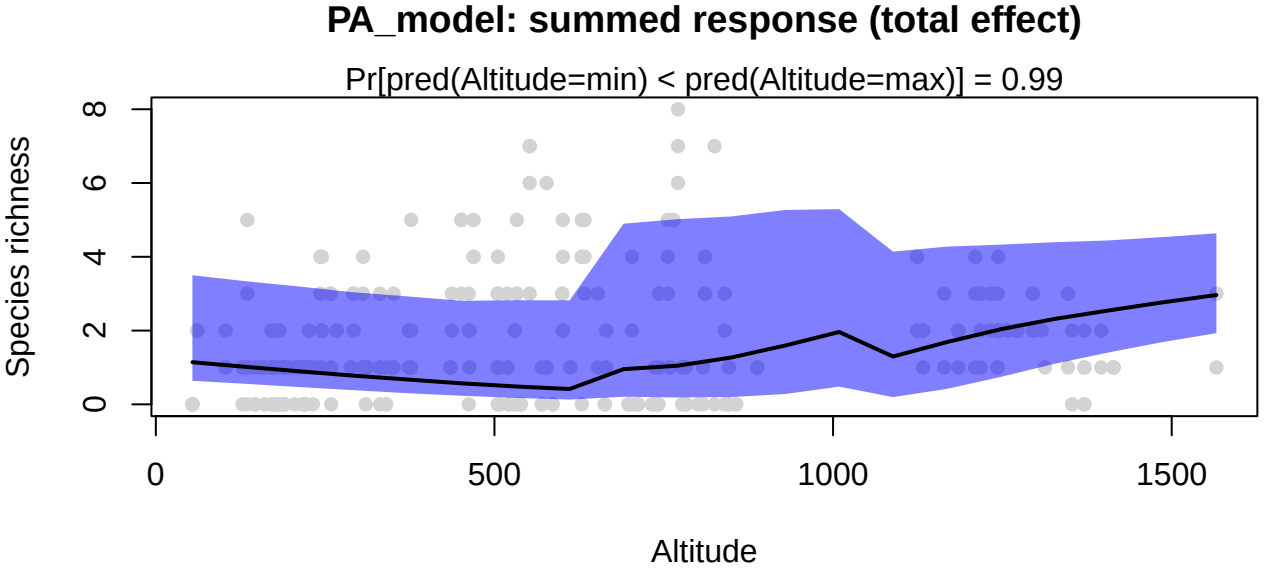
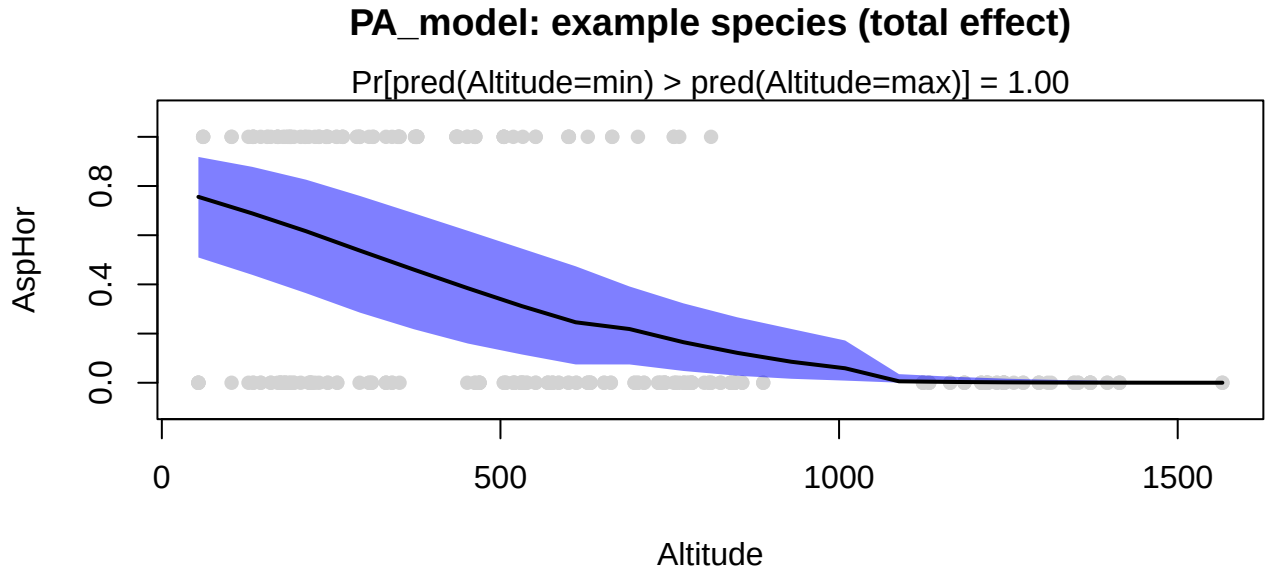
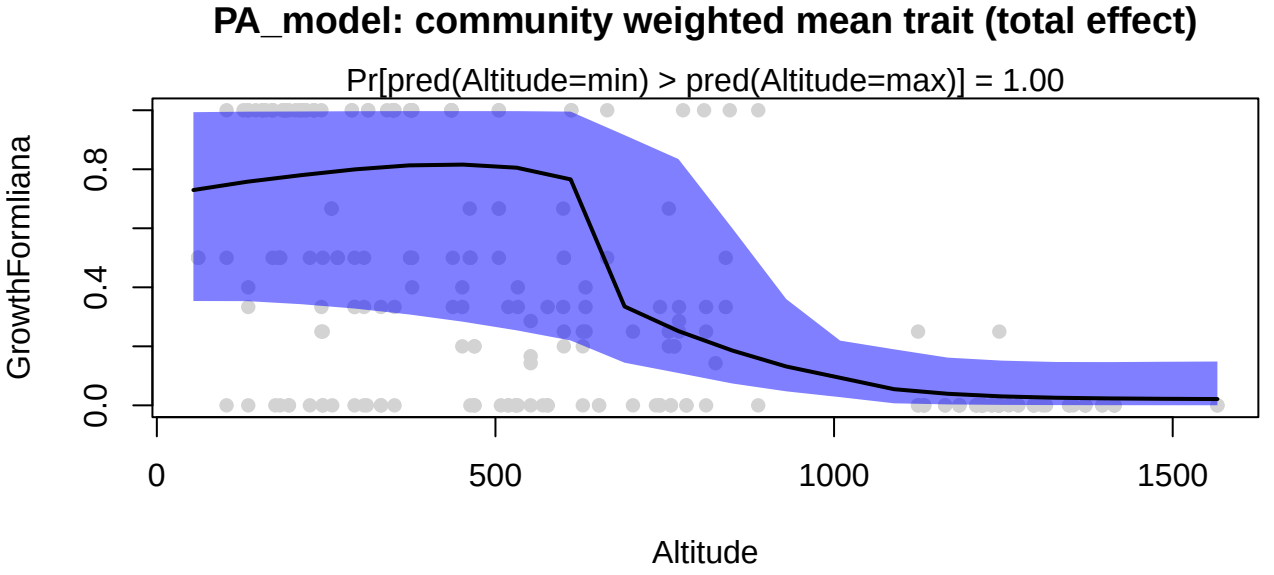
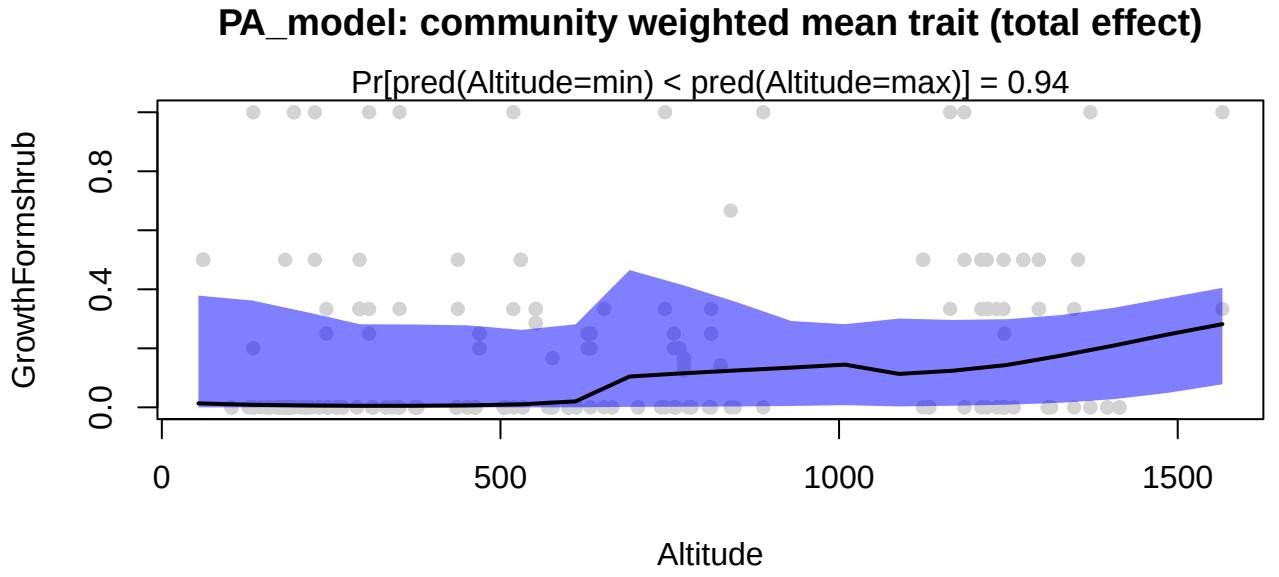
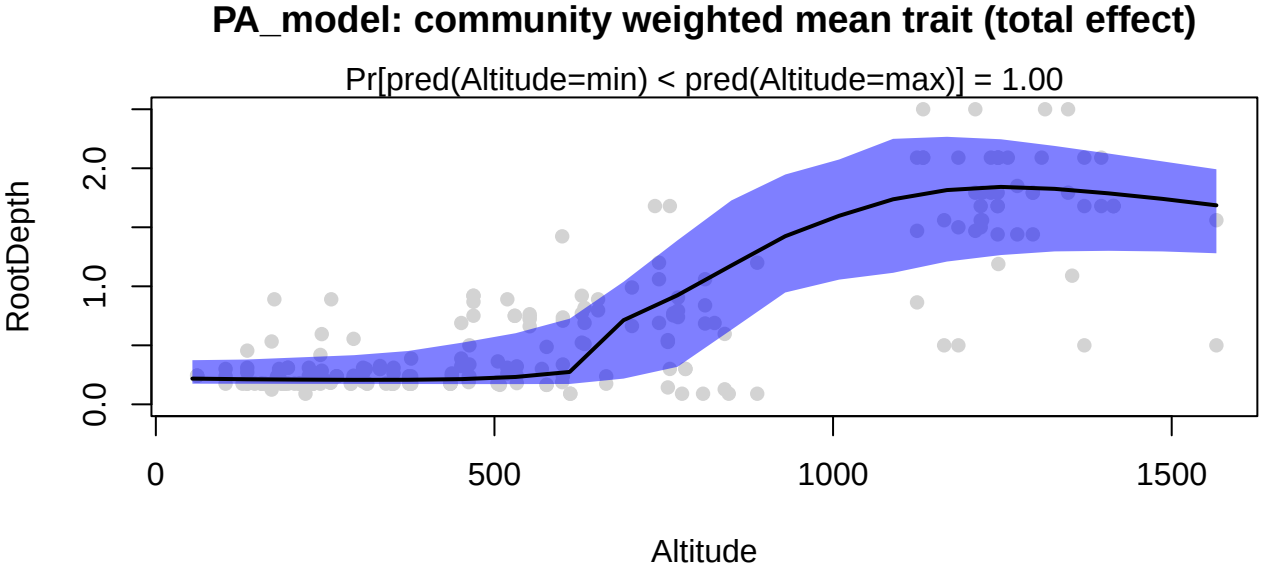
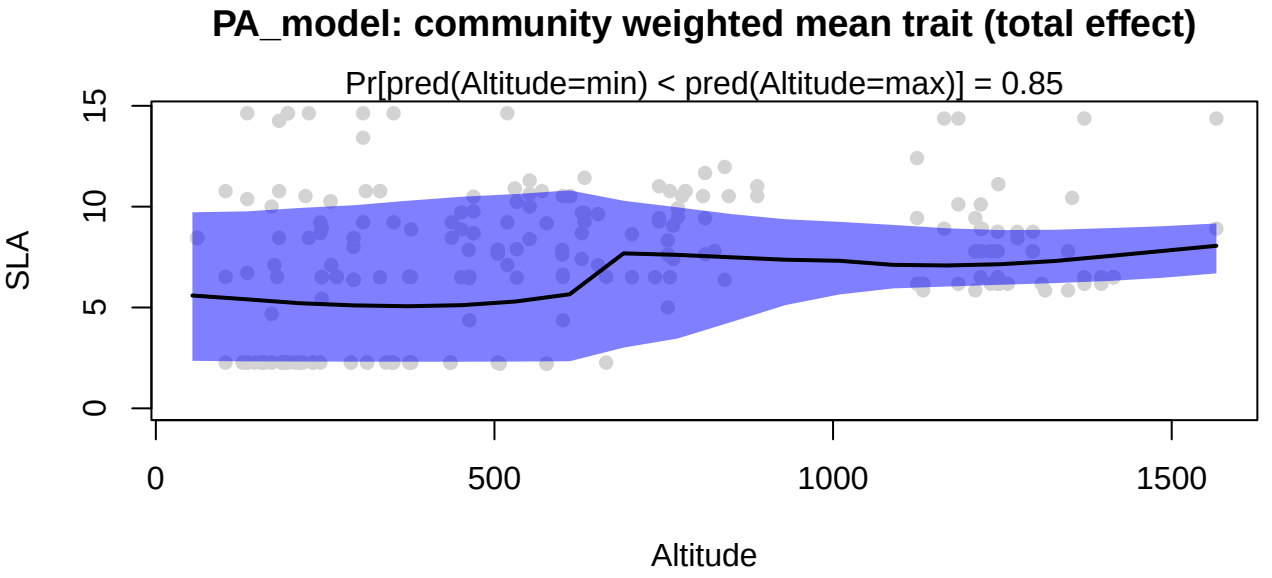

PA_model: summed response (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.99
Species richness
0
2
4
6
8
0
500
1000
1500
Altitude

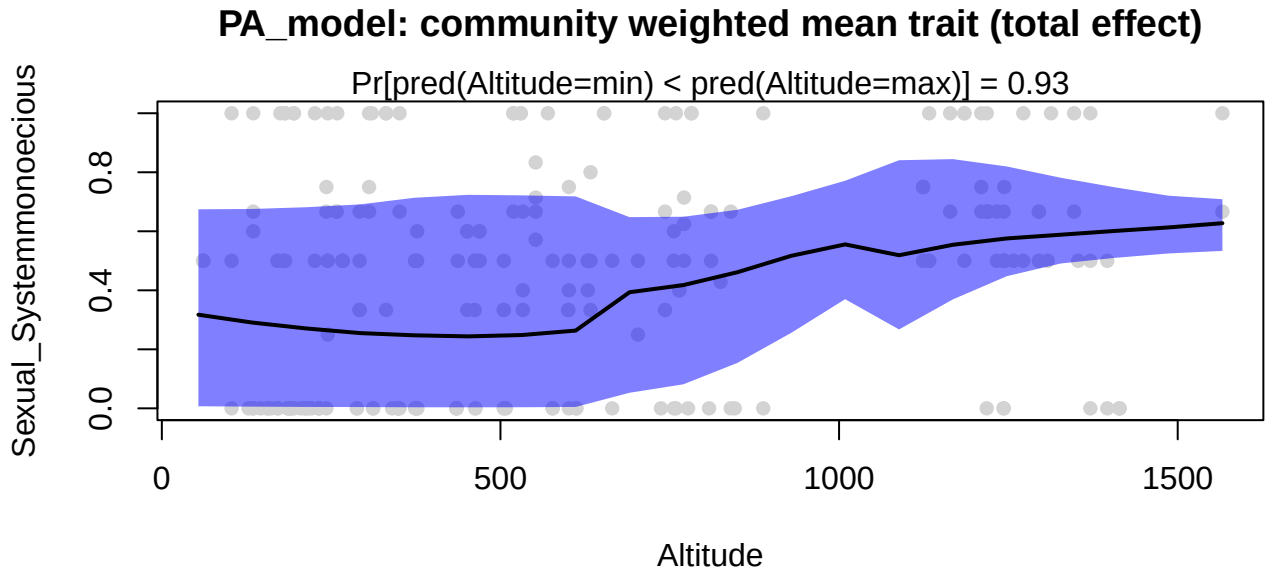

PA_model: example species (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 1.00
AspHor
0.0
0.4
0.8
0
500
1000
1500
Altitude

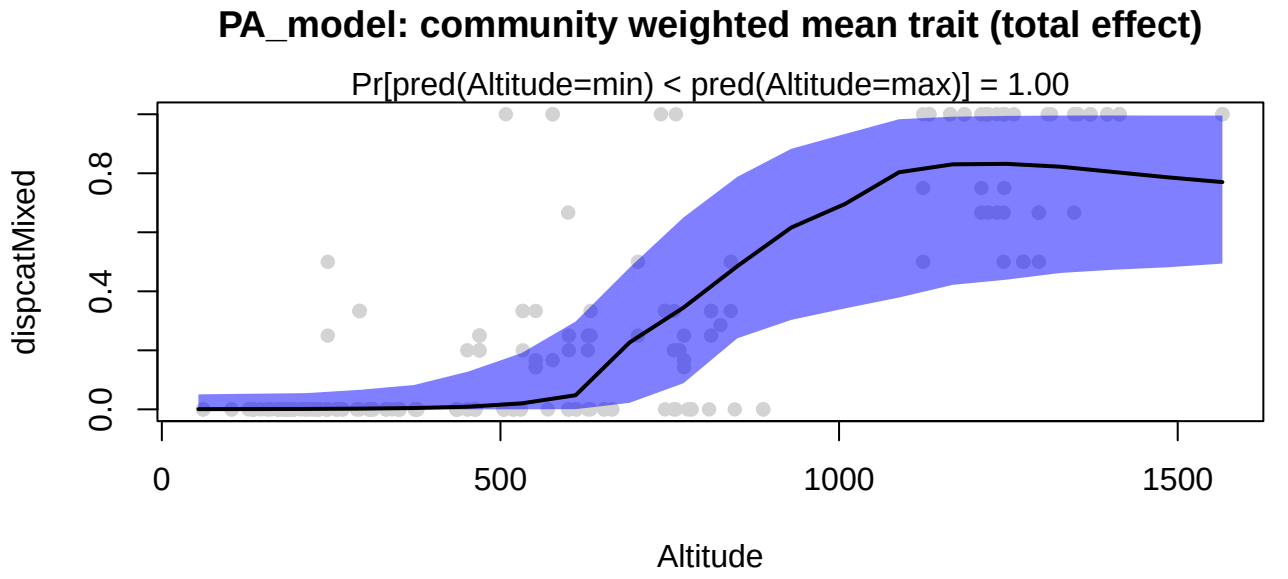

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 1.00
GrowthFormliana
0.0
0.4
0.8
0
500
1000
1500
Altitude

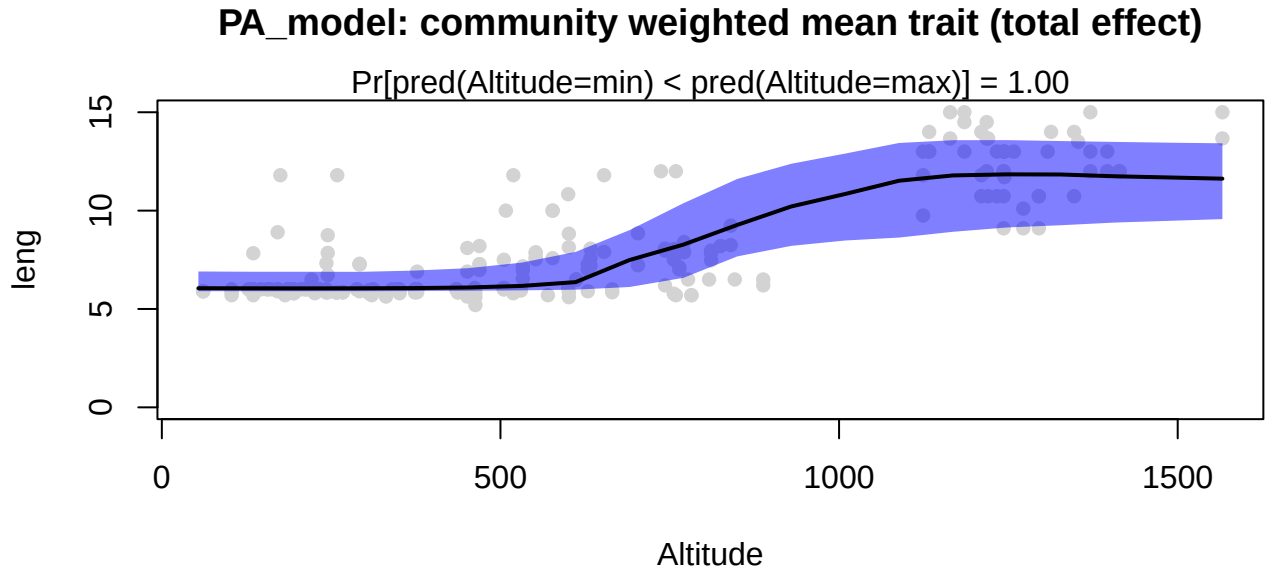

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.94
GrowthFormshrub
0.0
0.4
0.8
0
500
1000
1500
Altitude

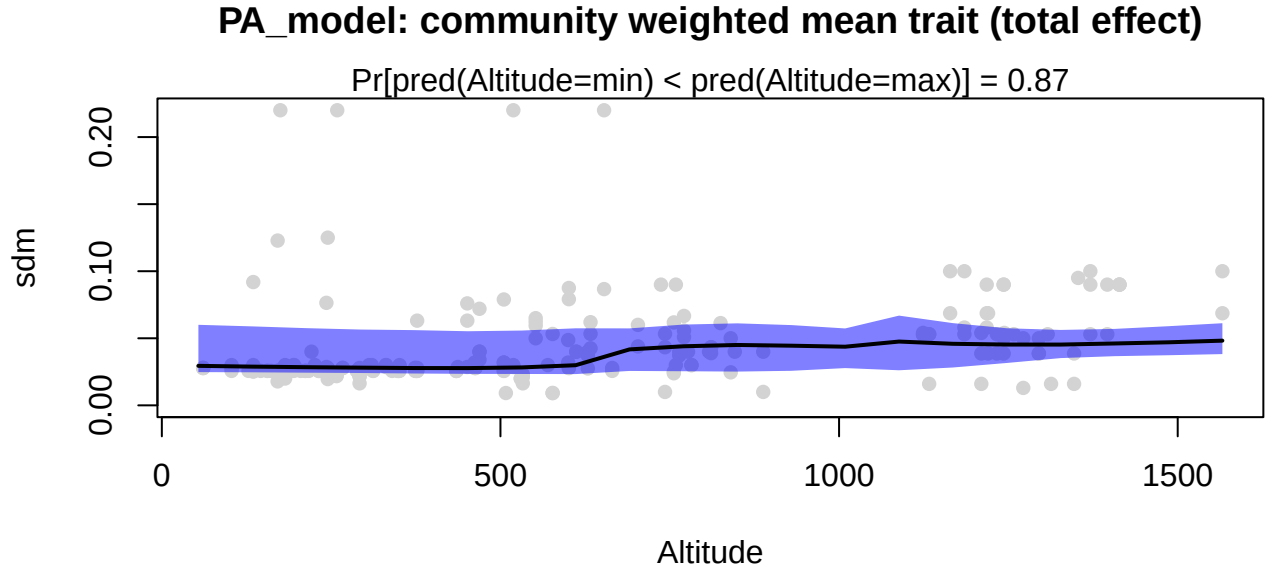

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 1.00
RootDepth
0.0
1.0
2.0
0
500
1000
1500
Altitude

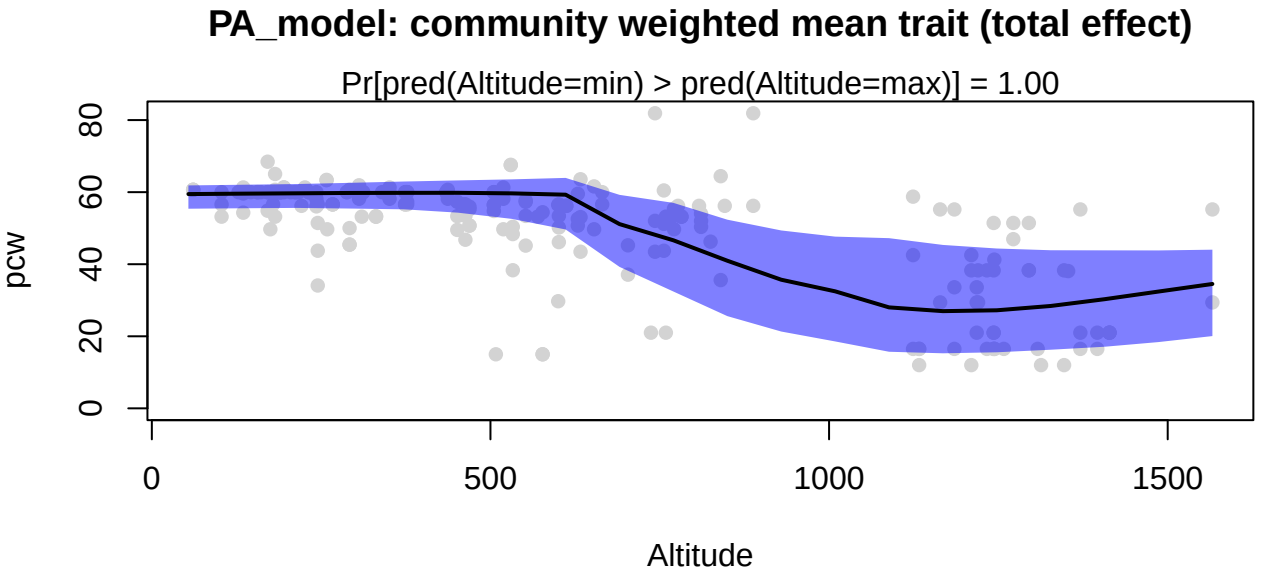

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.85
SLA
0
5
10
15
0
500
1000
1500
Altitude

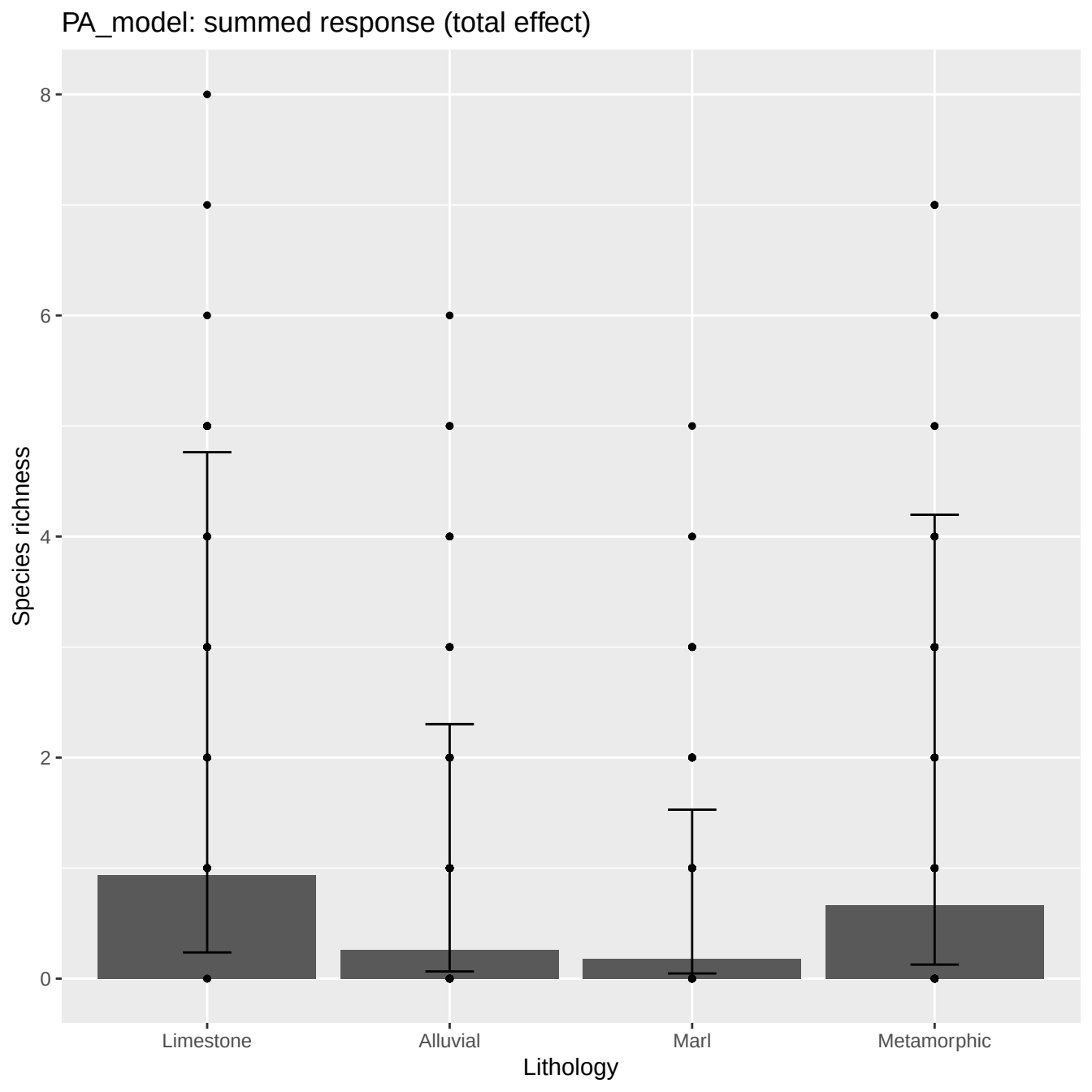

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.93
Sexual_Systemmonoecious
0.0
0.4
0.8
0
500
1000
1500
Altitude

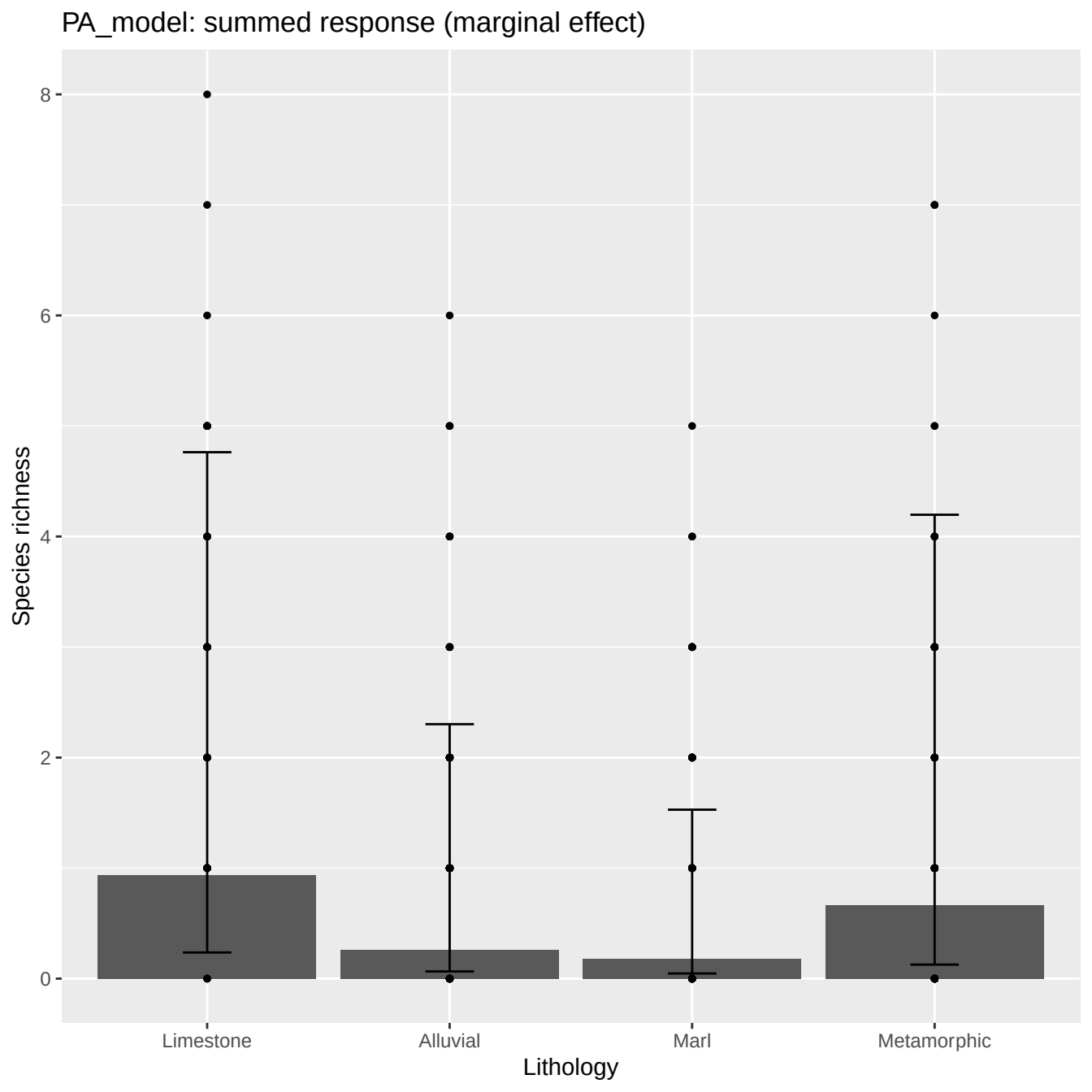

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 1.00
dispcatMixed
0.0
0.4
0.8
0
500
1000
1500
Altitude

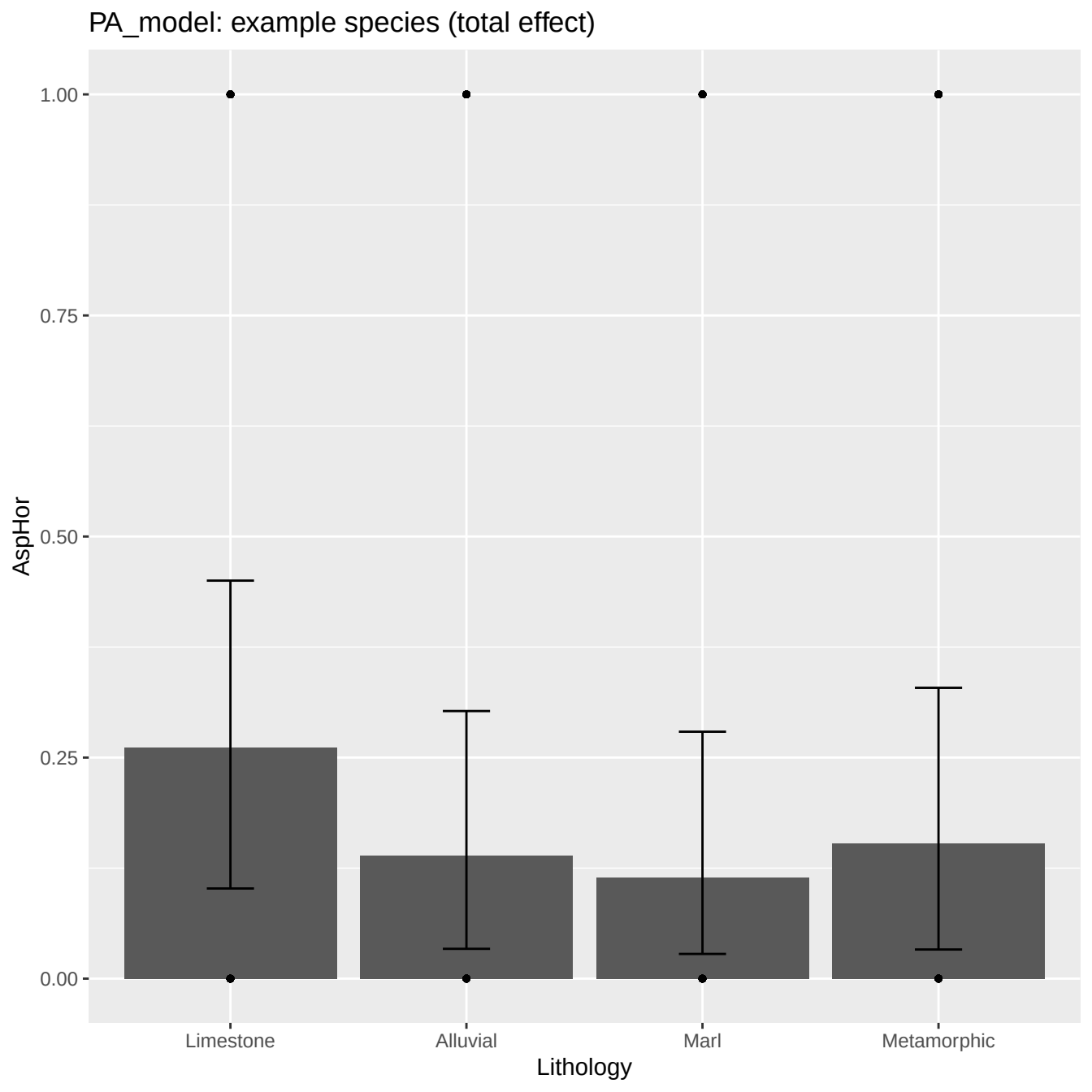

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 1.00
leng
0
5
10
15
0
500
1000
1500
Altitude

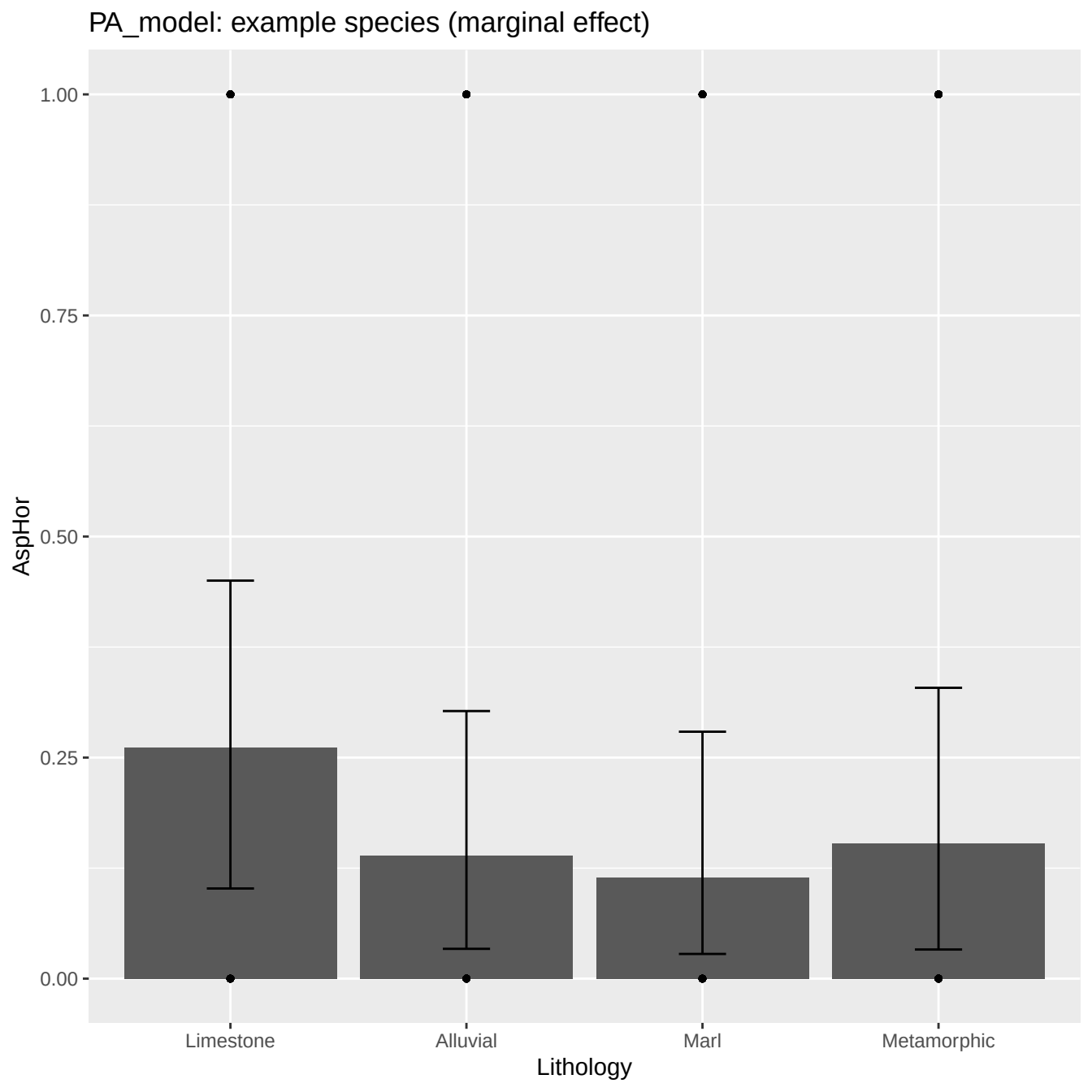

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.87
sdm
0.00
0.10
0.20
0
500
1000
1500
Altitude

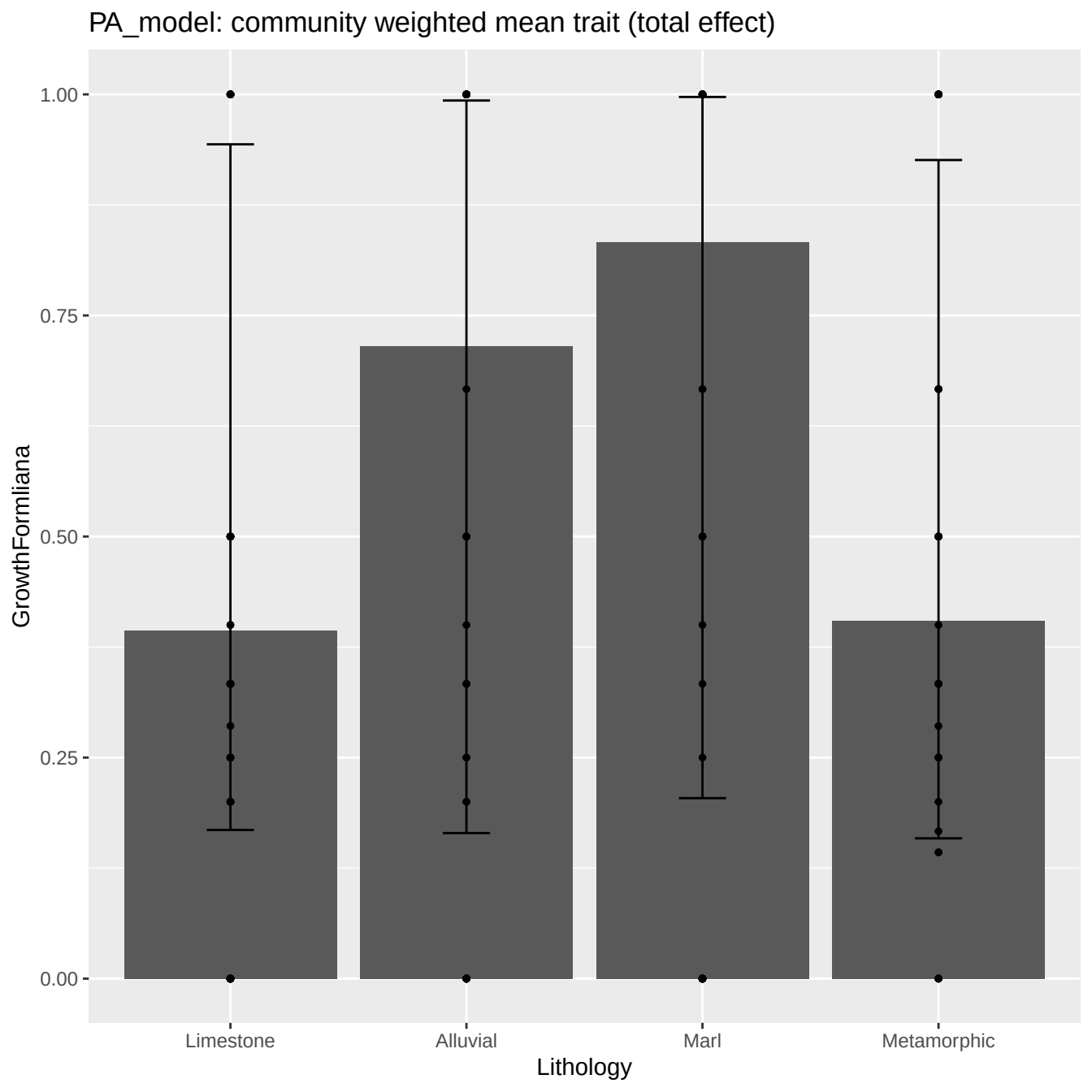

PA_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 1.00
pcw
0
20
40
60
80
0
500
1000
1500
Altitude

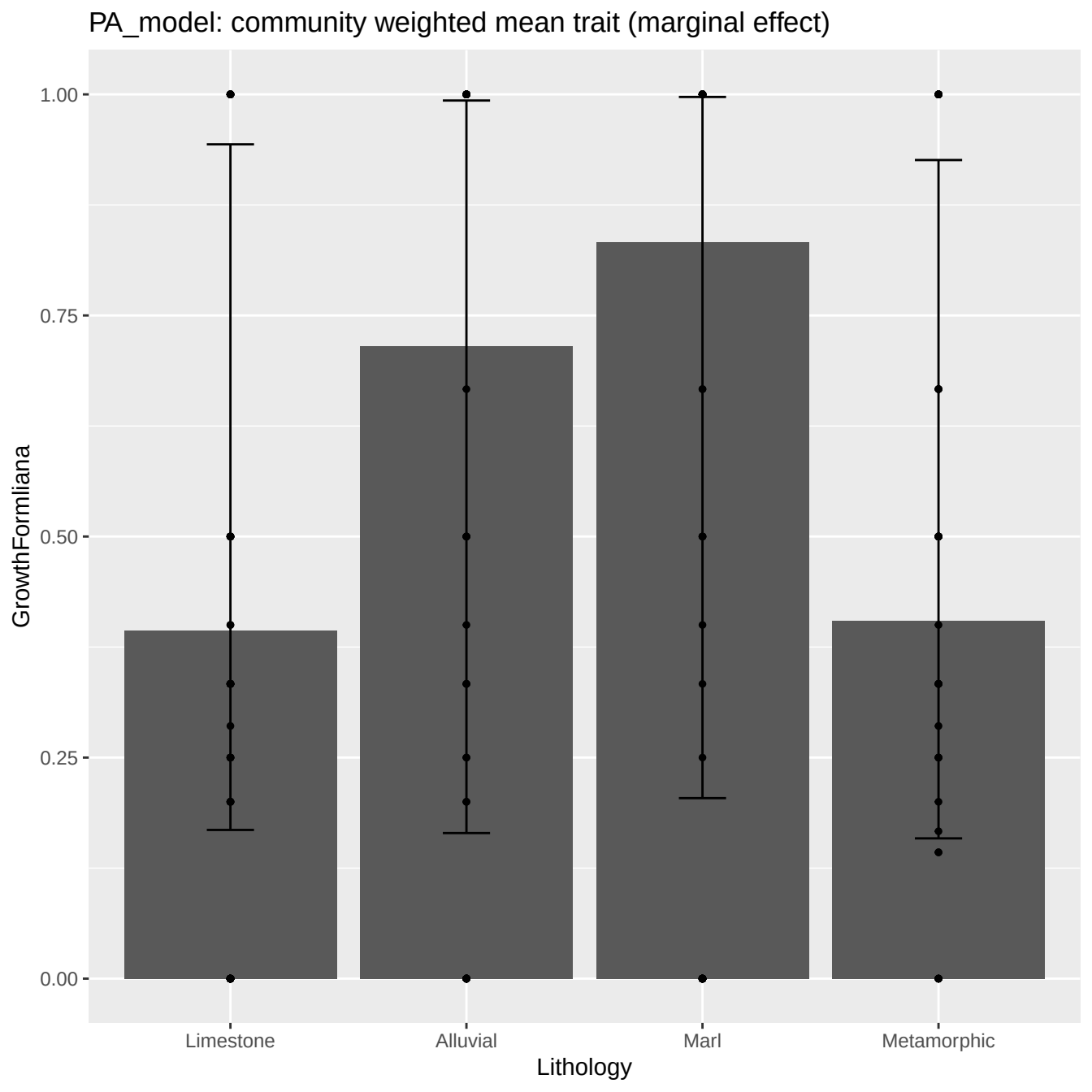

PA_model: summed response (total effect)
Species richness
8
6
4
2
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

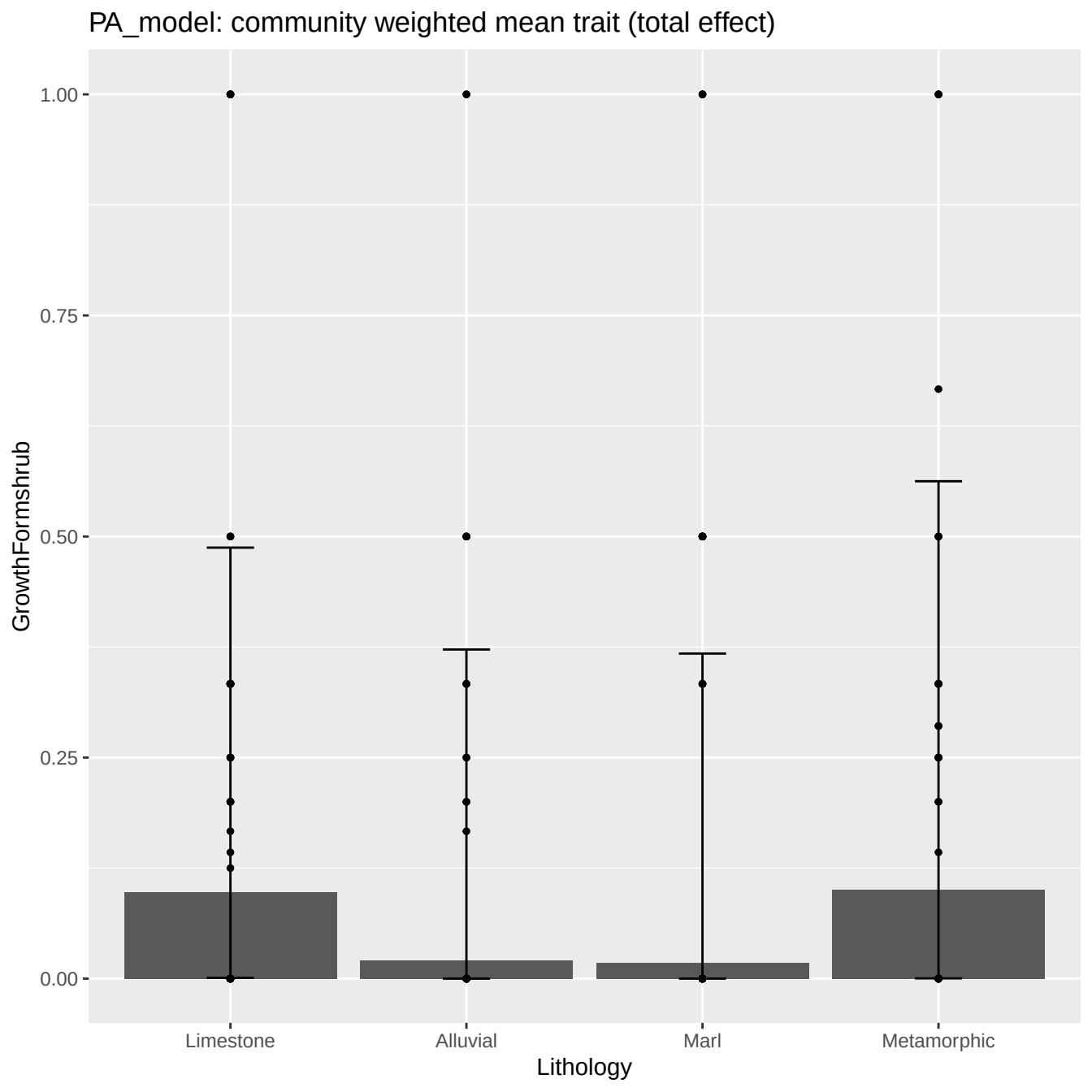

PA_model: summed response (marginal effect)
Species richness
8
6
4
2
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

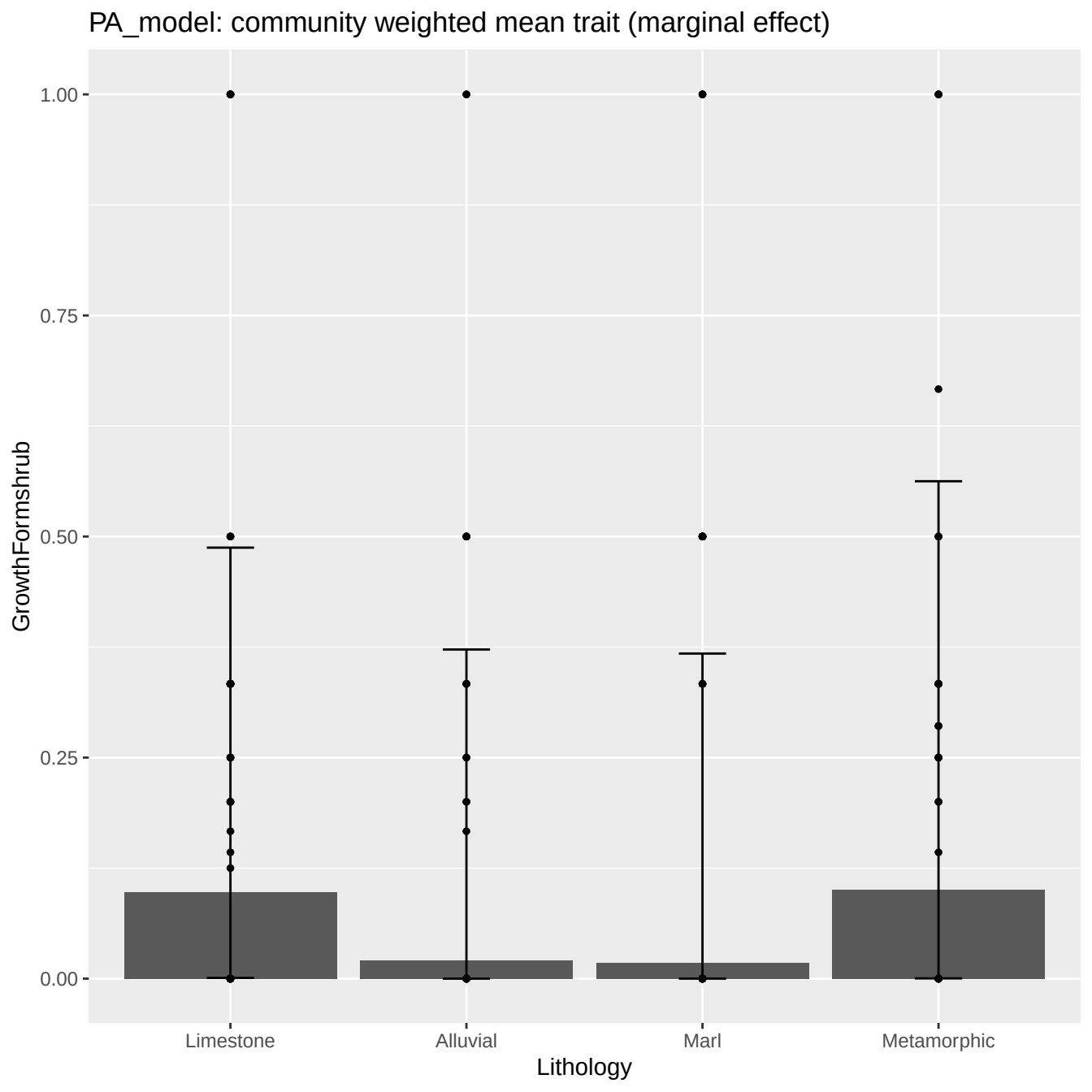

PA_model: example species (total effect)
1.00
0.75
0.50
0.25
0.00
AspHor
Limestone
Alluvial
Marl
Metamorphic
Lithology

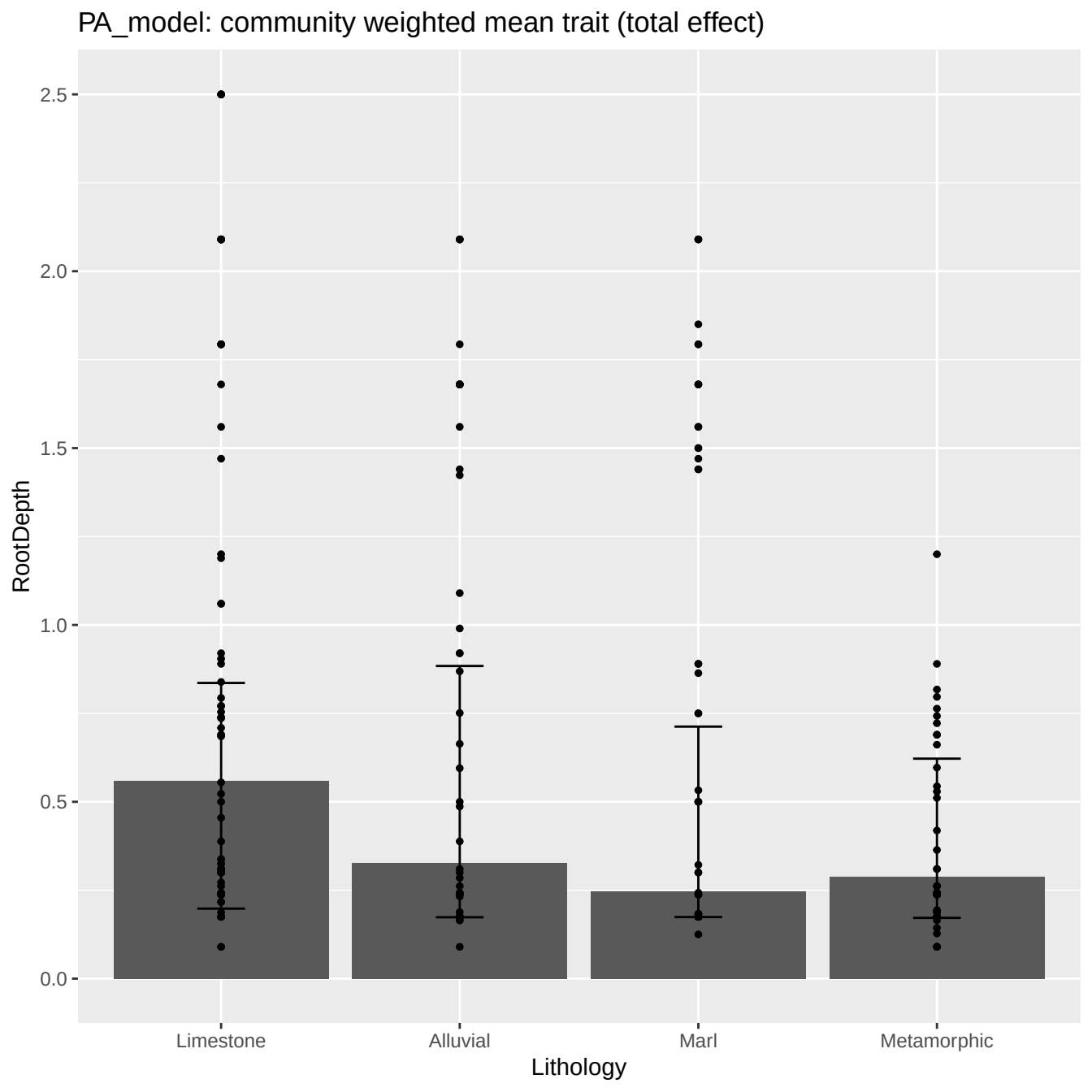

PA_model: example species (marginal effect)
1.00
0.75
0.50
0.25
0.00
AspHor
Limestone
Alluvial
Marl
Metamorphic
Lithology

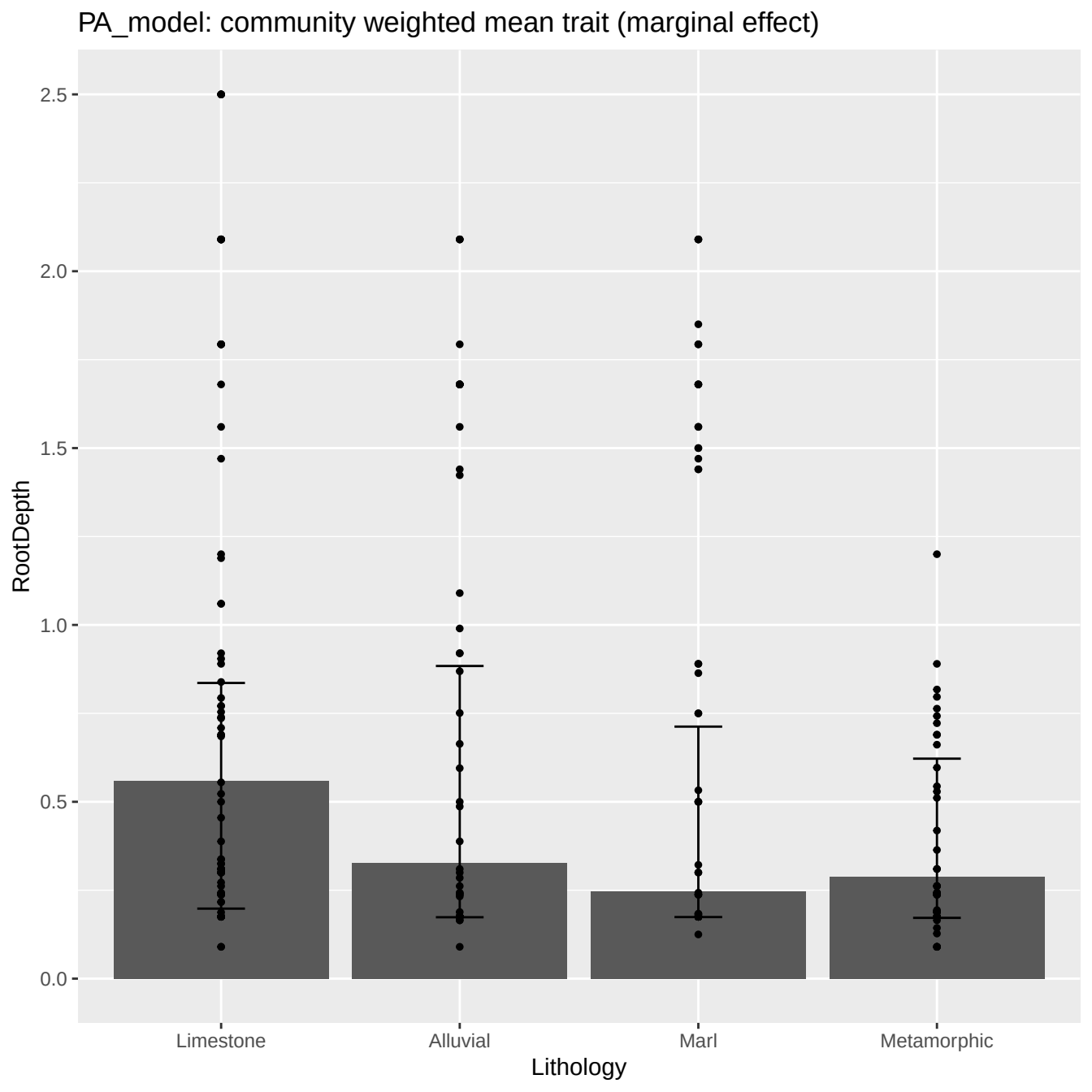

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
Limestone
Alluvial
Marl
Metamorphic
Lithology

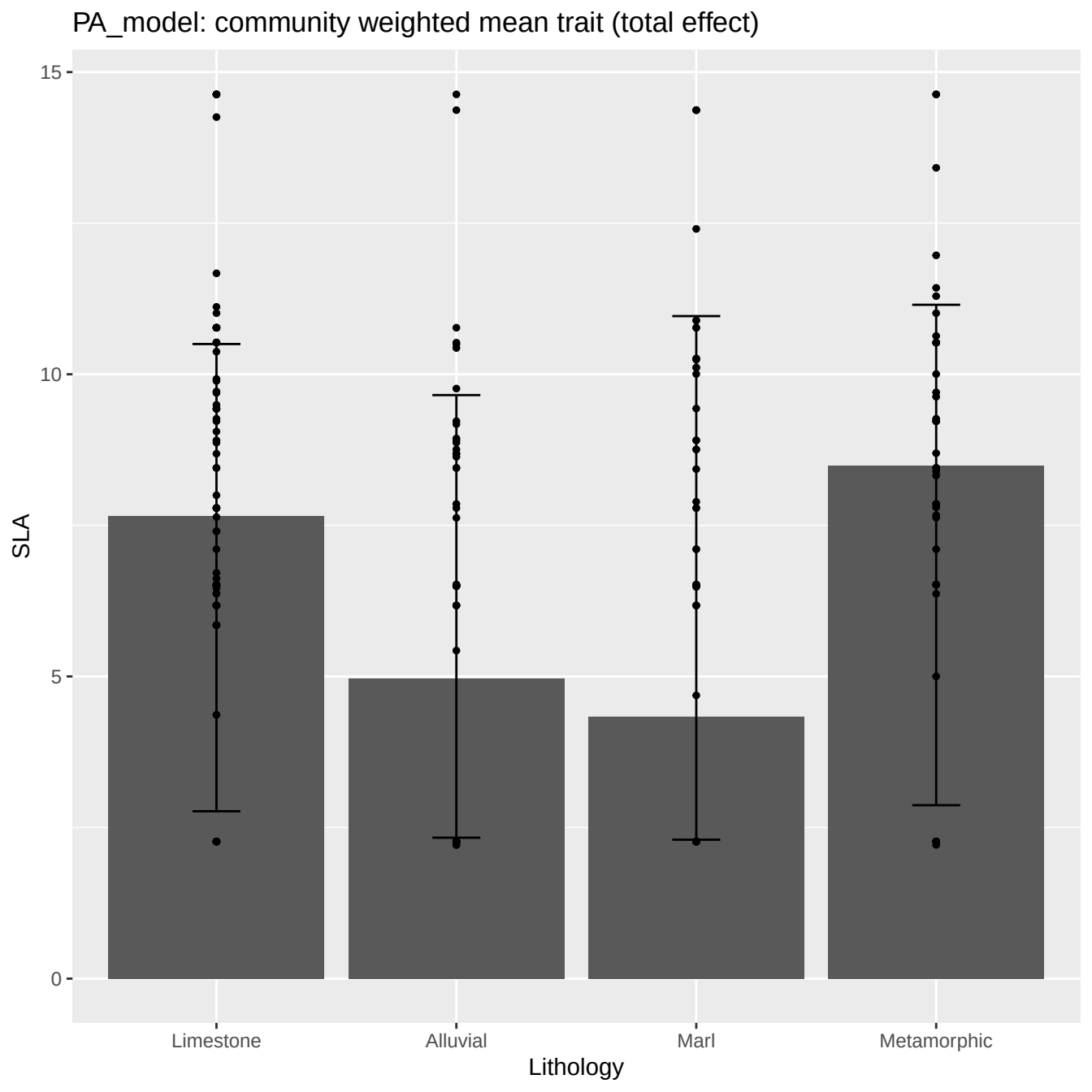

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
Limestone
Alluvial
Marl
Metamorphic
Lithology

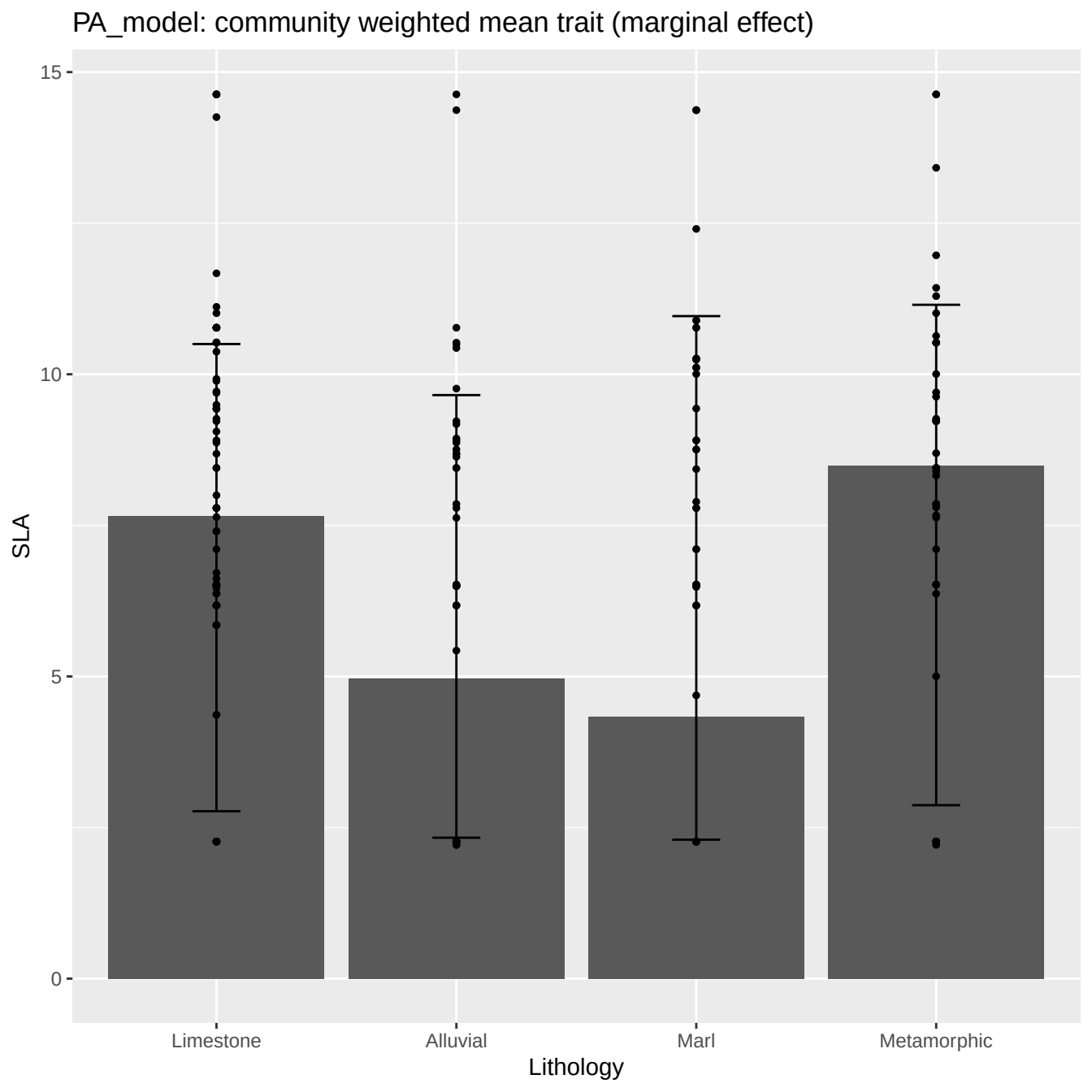

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
Limestone
Alluvial
Marl
Metamorphic
Lithology

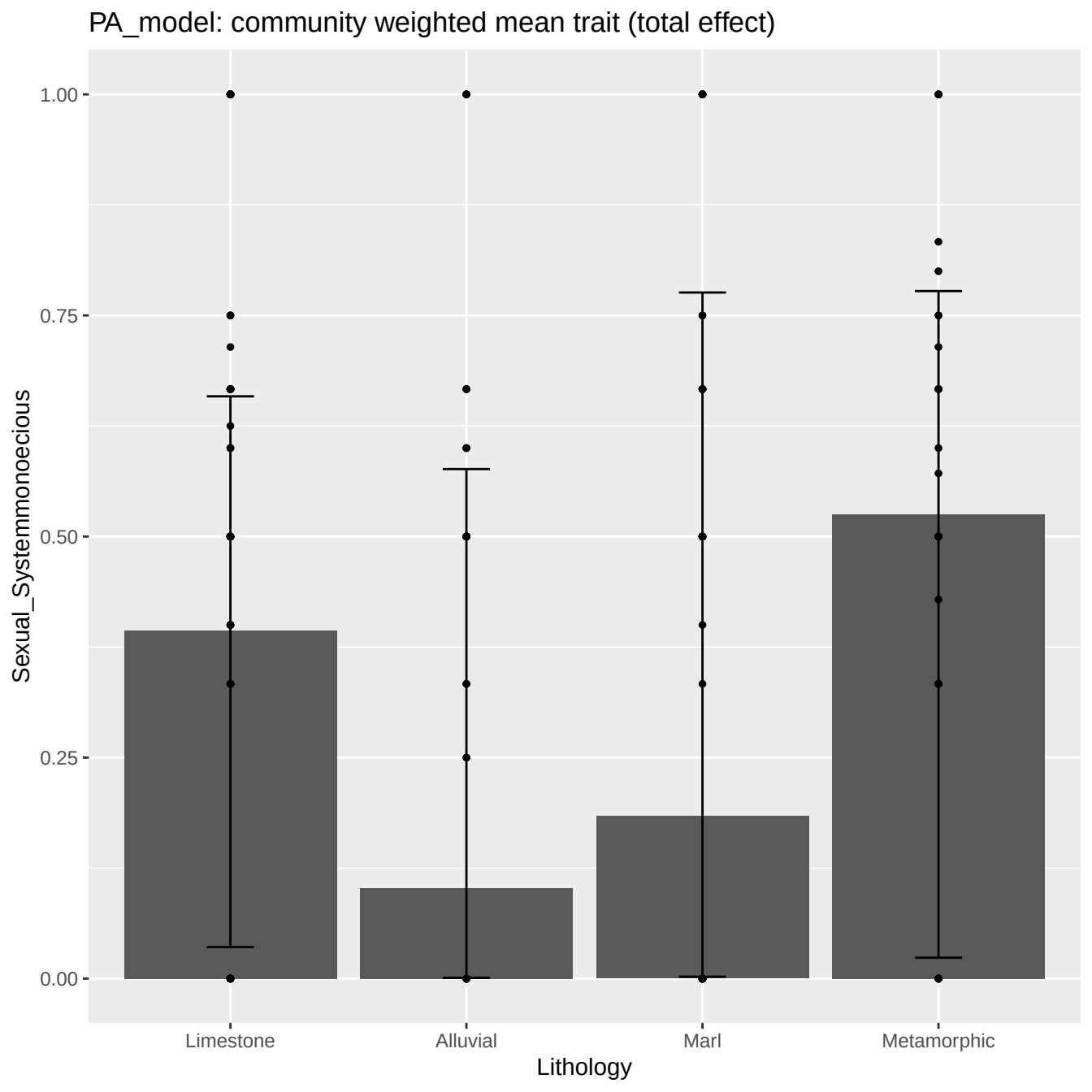

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
Limestone
Alluvial
Marl
Metamorphic
Lithology

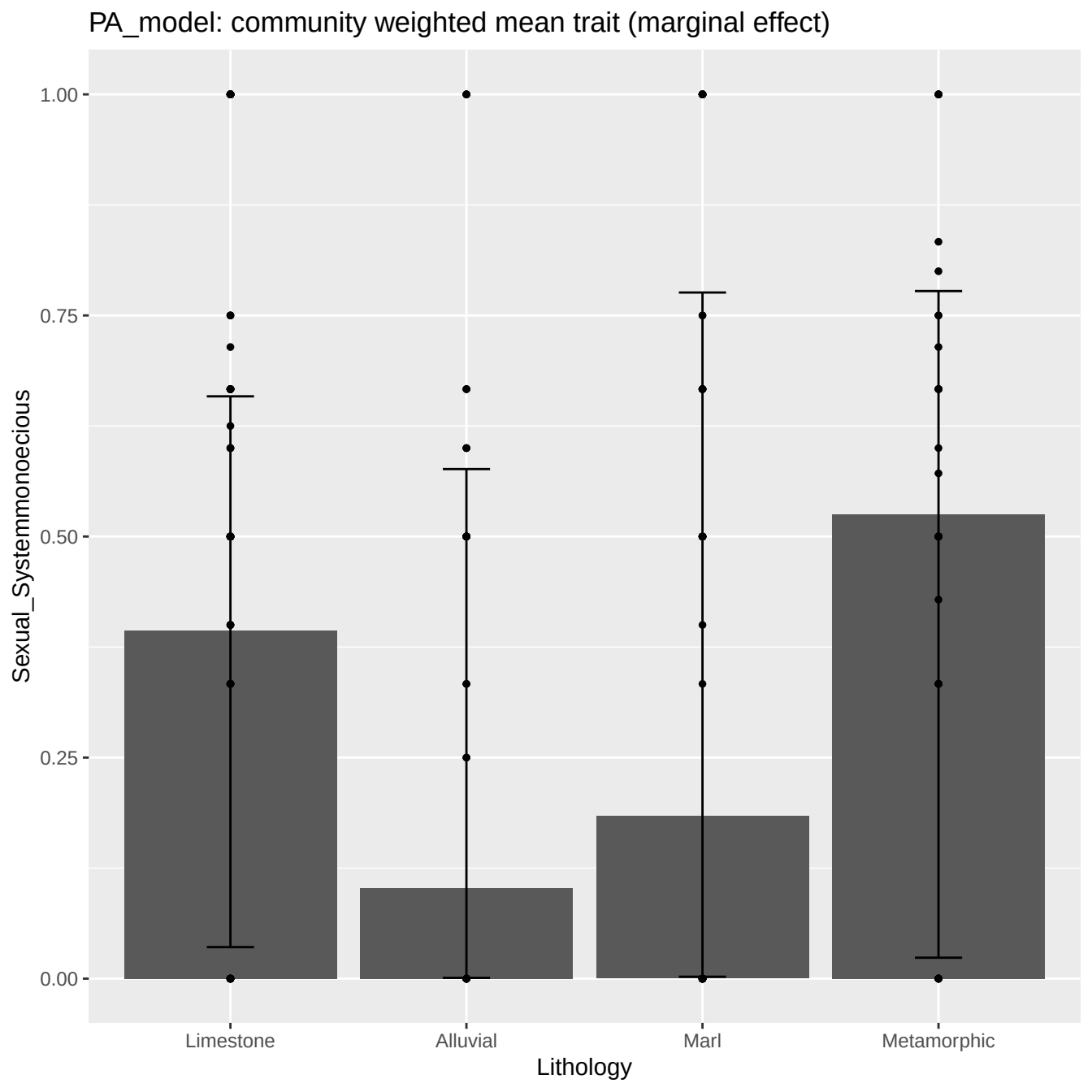

PA_model: community weighted mean trait (total effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
Limestone
Alluvial
Marl
Metamorphic
Lithology

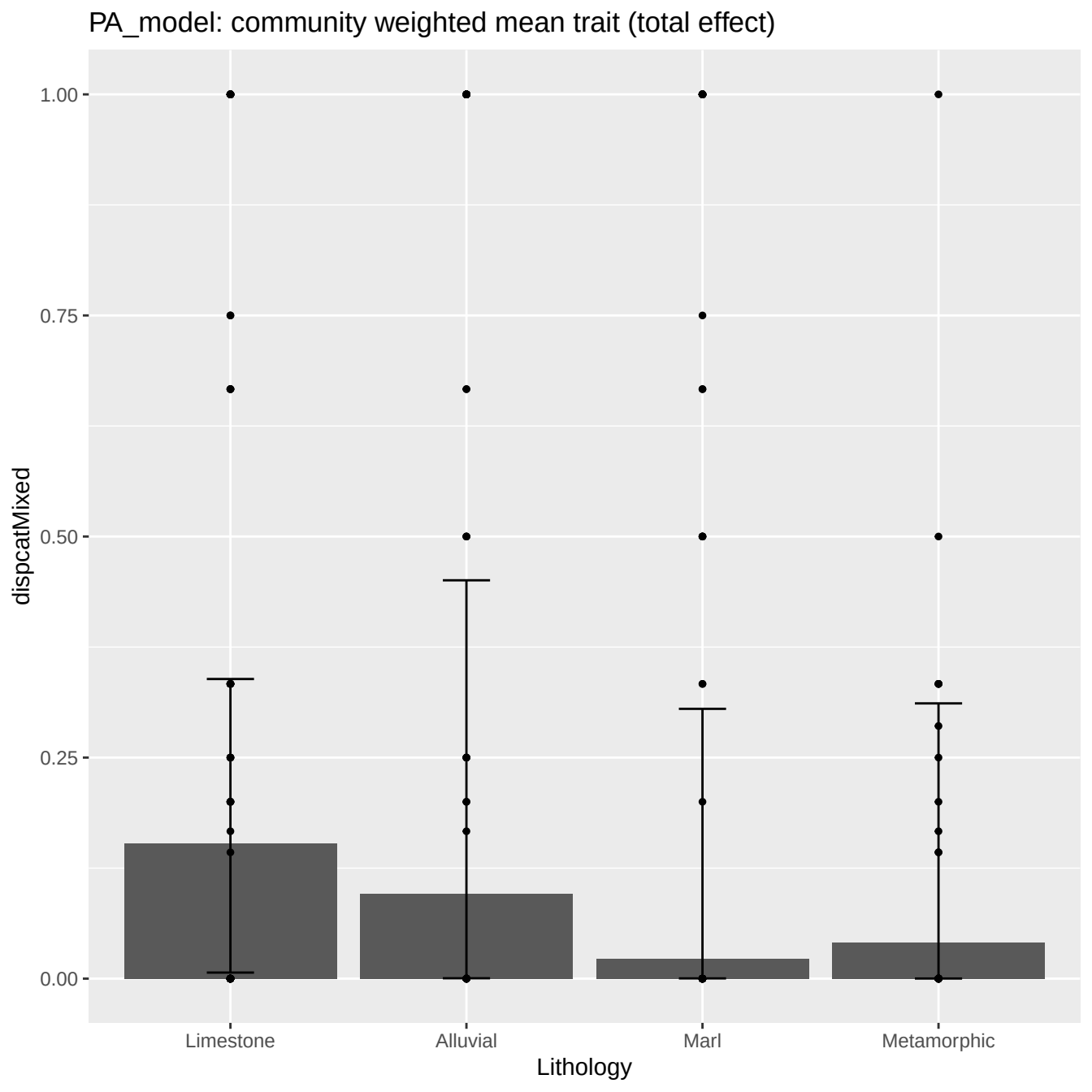

PA_model: community weighted mean trait (marginal effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
Limestone
Alluvial
Marl
Metamorphic
Lithology

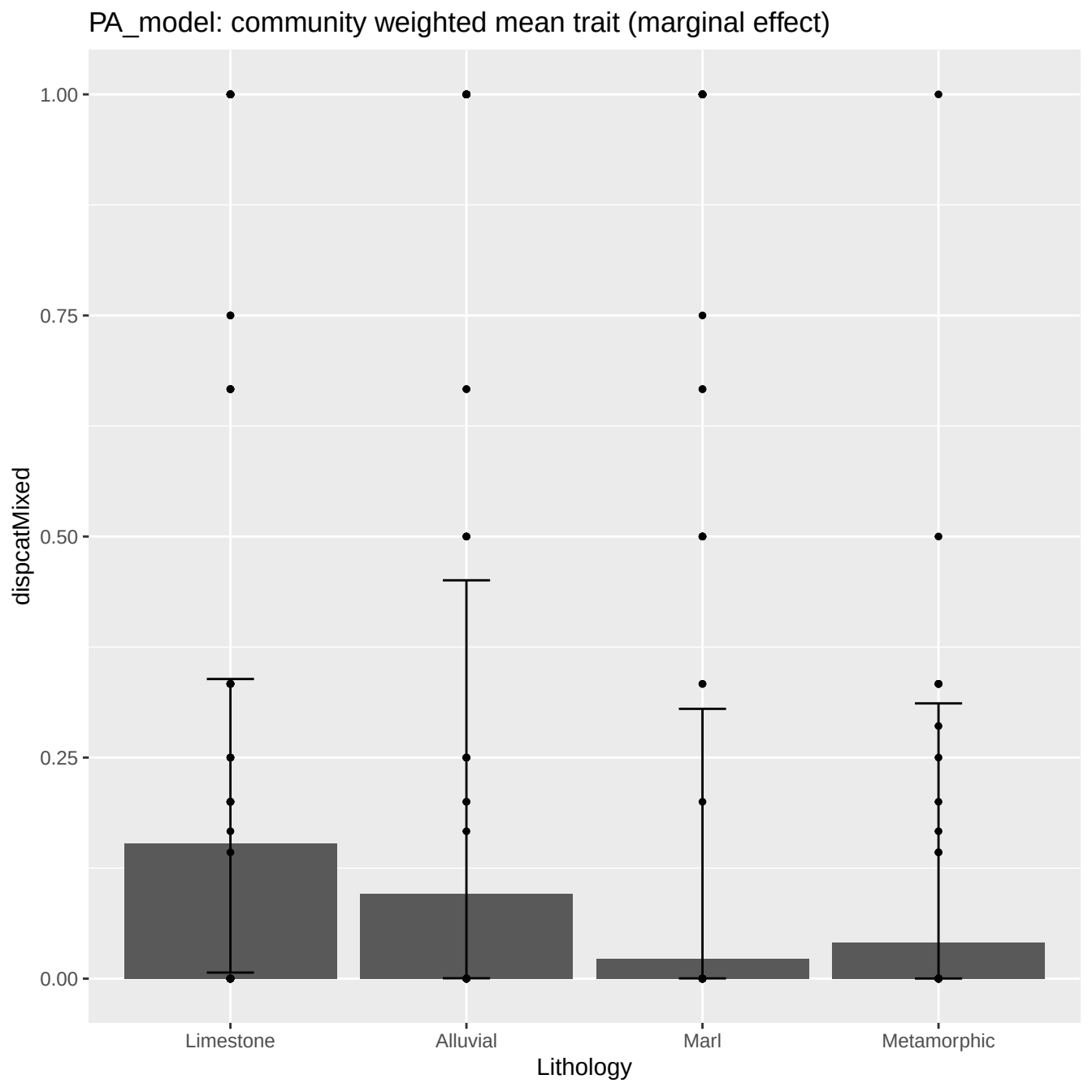

PA_model: community weighted mean trait (total effect)
15
10
5
0
SLA
Limestone
Alluvial
Marl
Metamorphic
Lithology

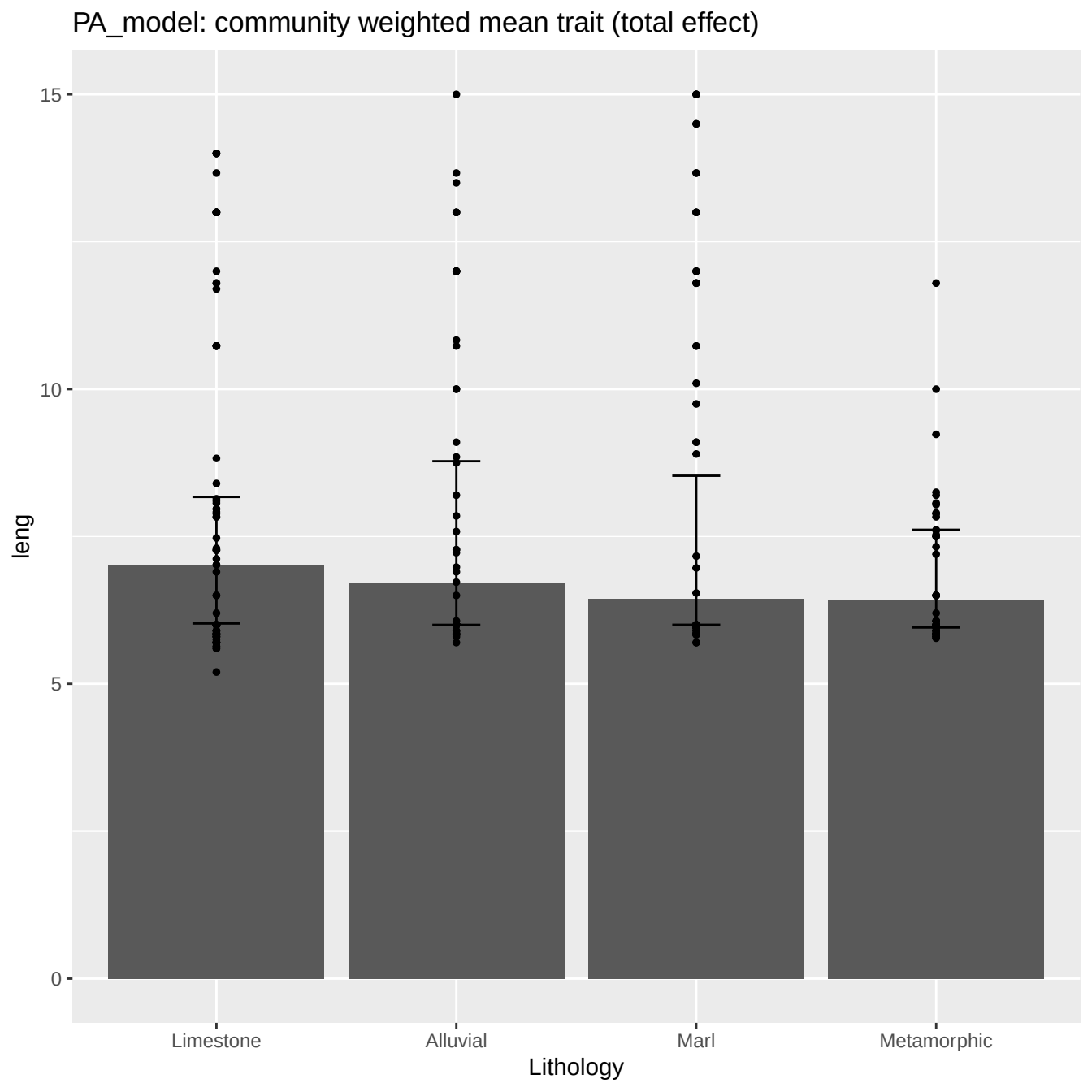

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
SLA
Limestone
Alluvial
Marl
Metamorphic
Lithology

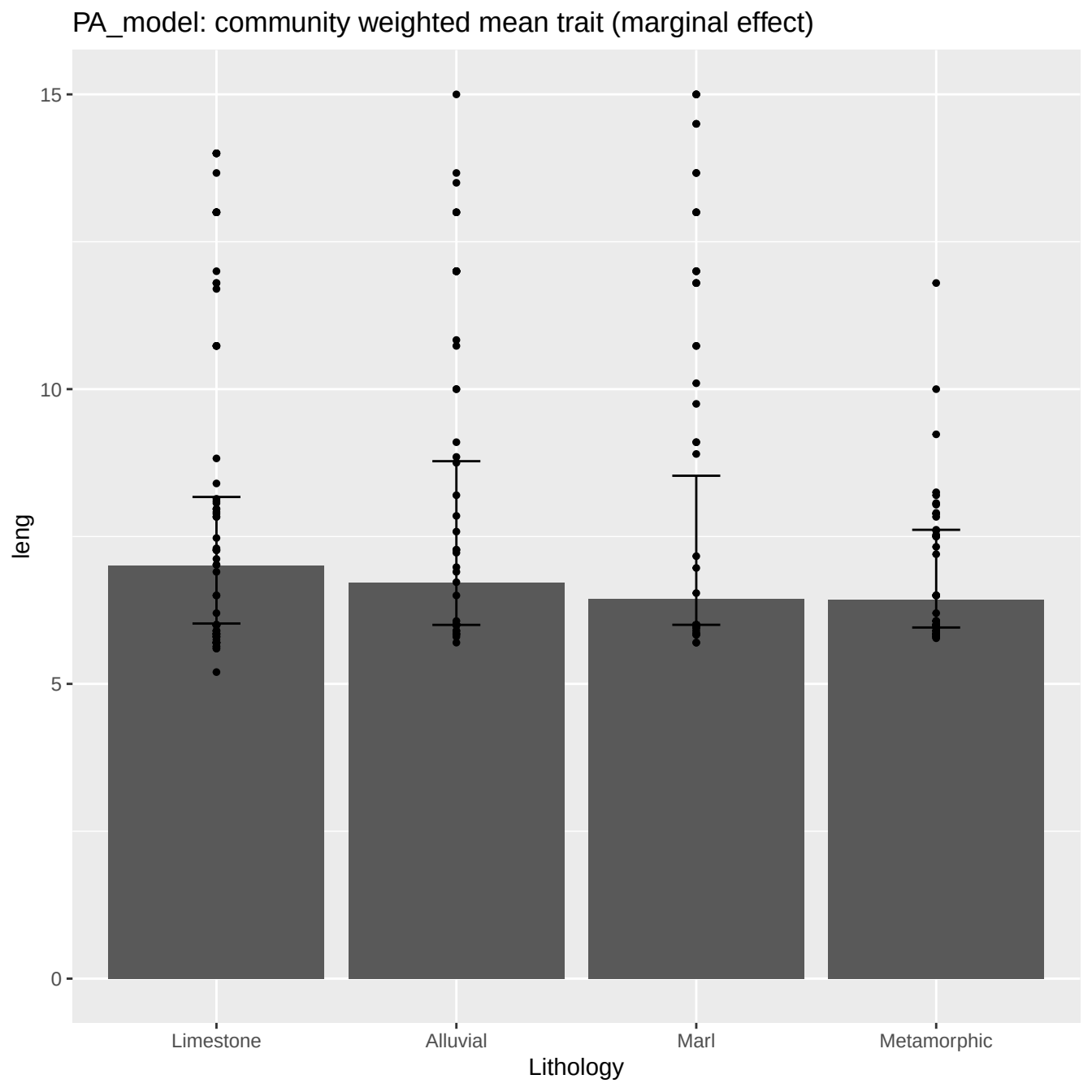

PA_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
1.00
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

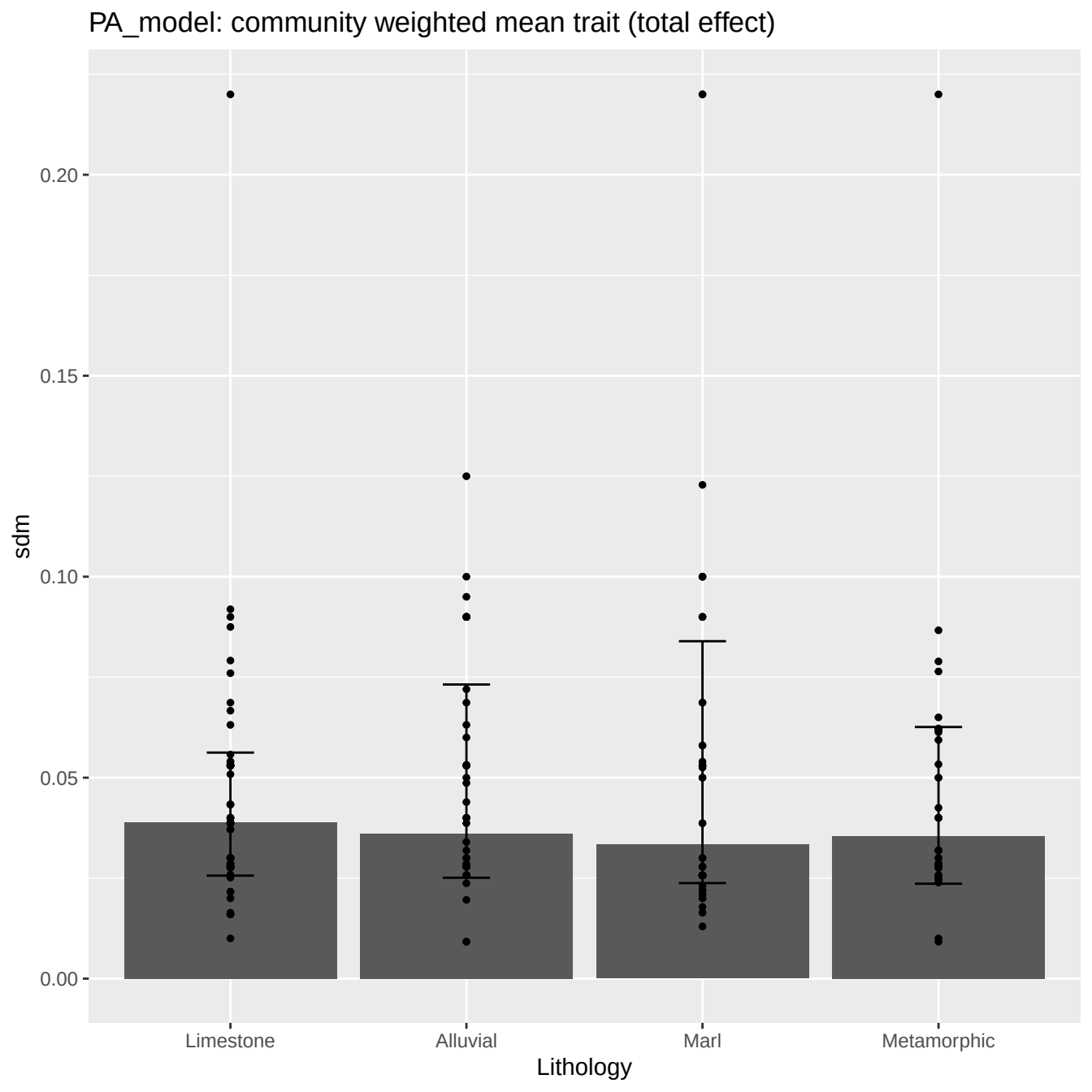

PA_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
1.00
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

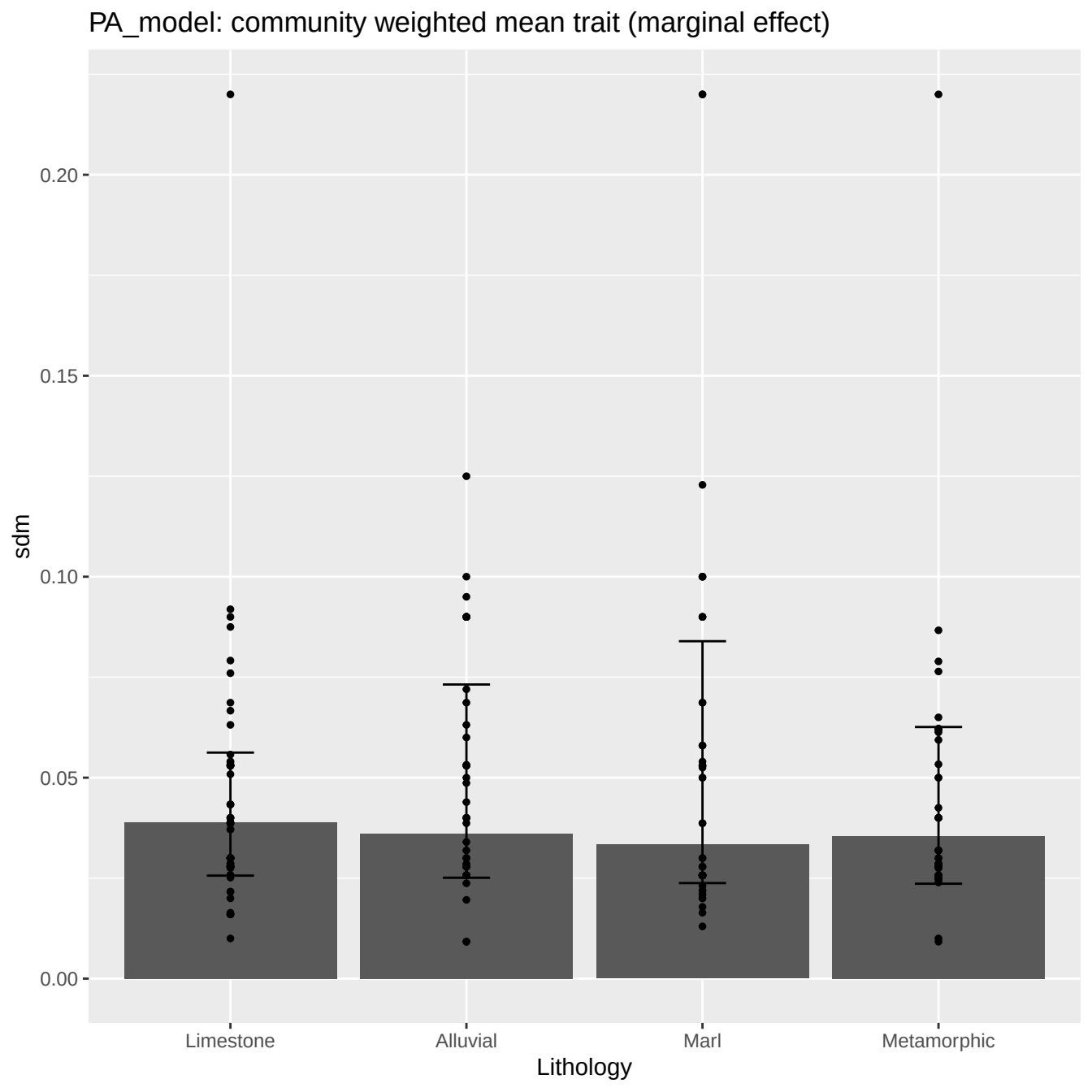

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
Limestone
Alluvial
Marl
Metamorphic
Lithology

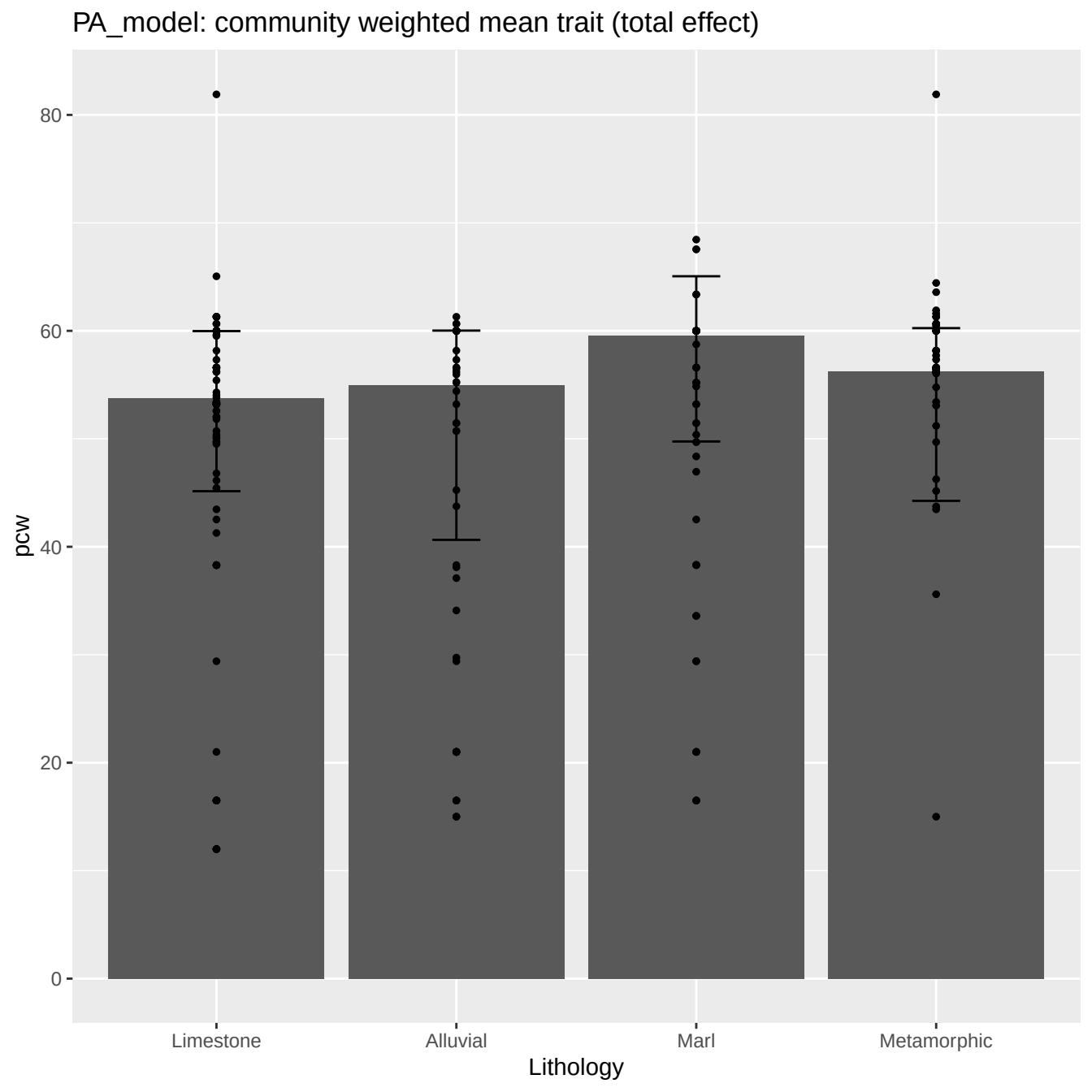

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
Limestone
Alluvial
Marl
Metamorphic
Lithology

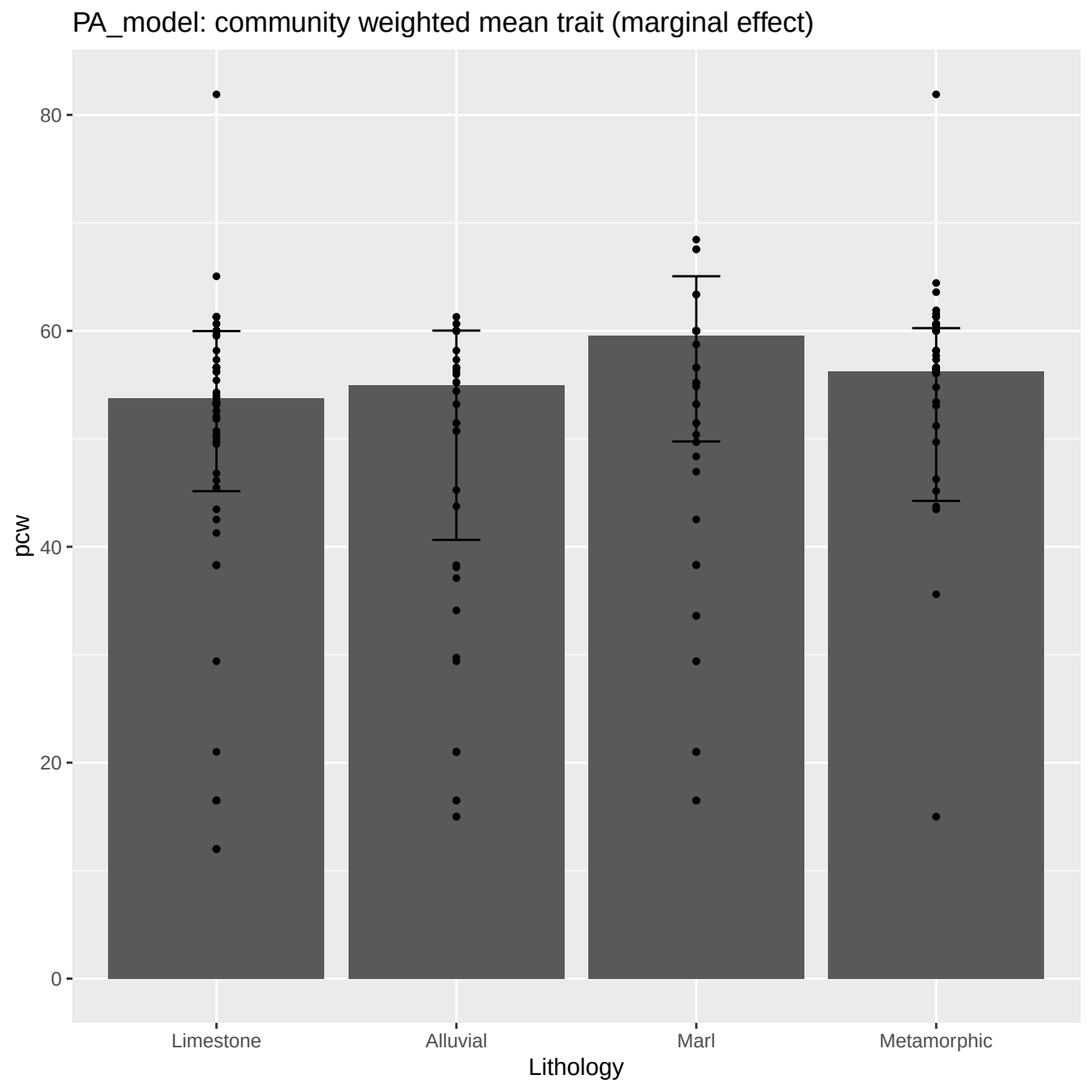

PA_model: community weighted mean trait (total effect)
15
10
5
0
leng
Limestone
Alluvial
Marl
Metamorphic
Lithology

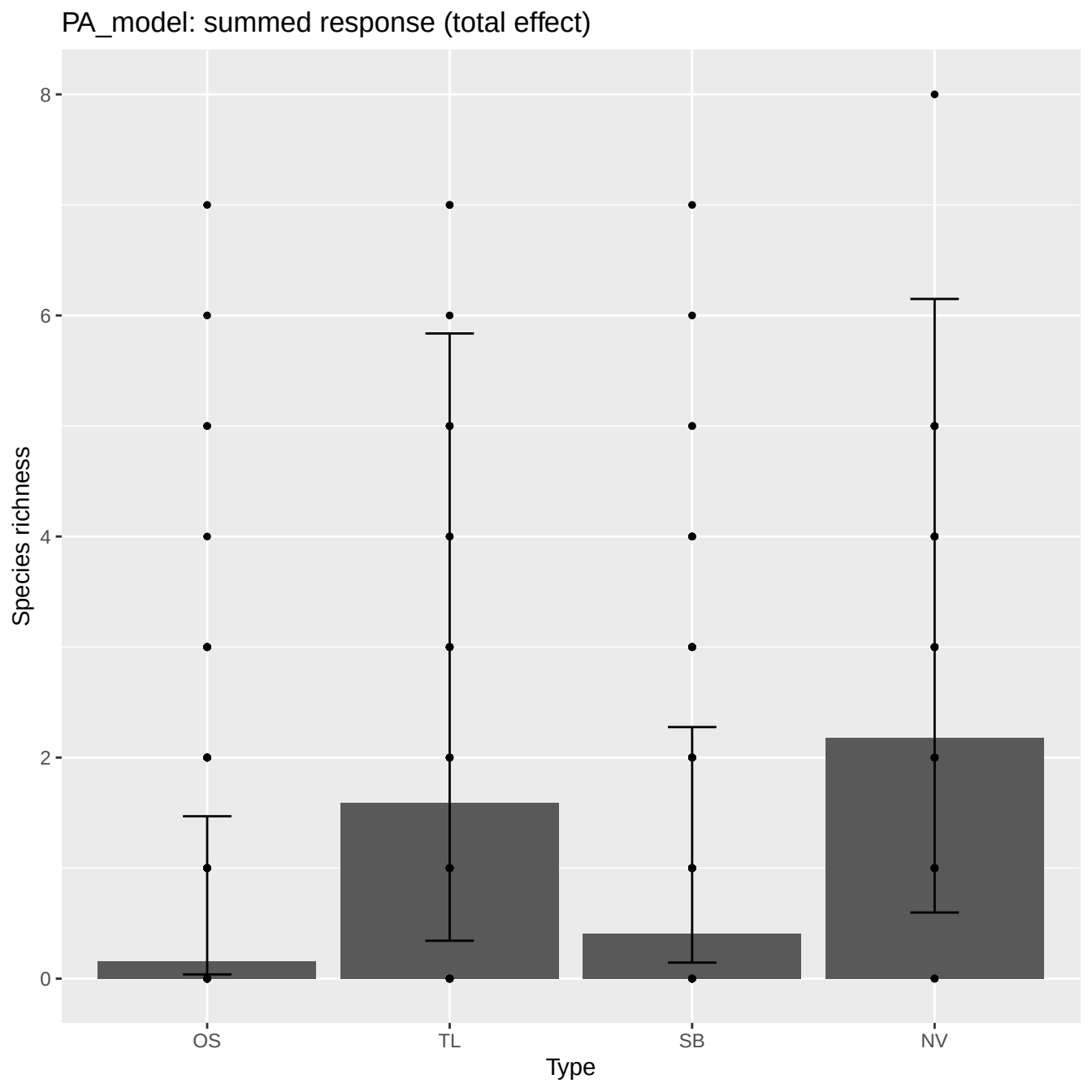

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
leng
Limestone
Alluvial
Marl
Metamorphic
Lithology

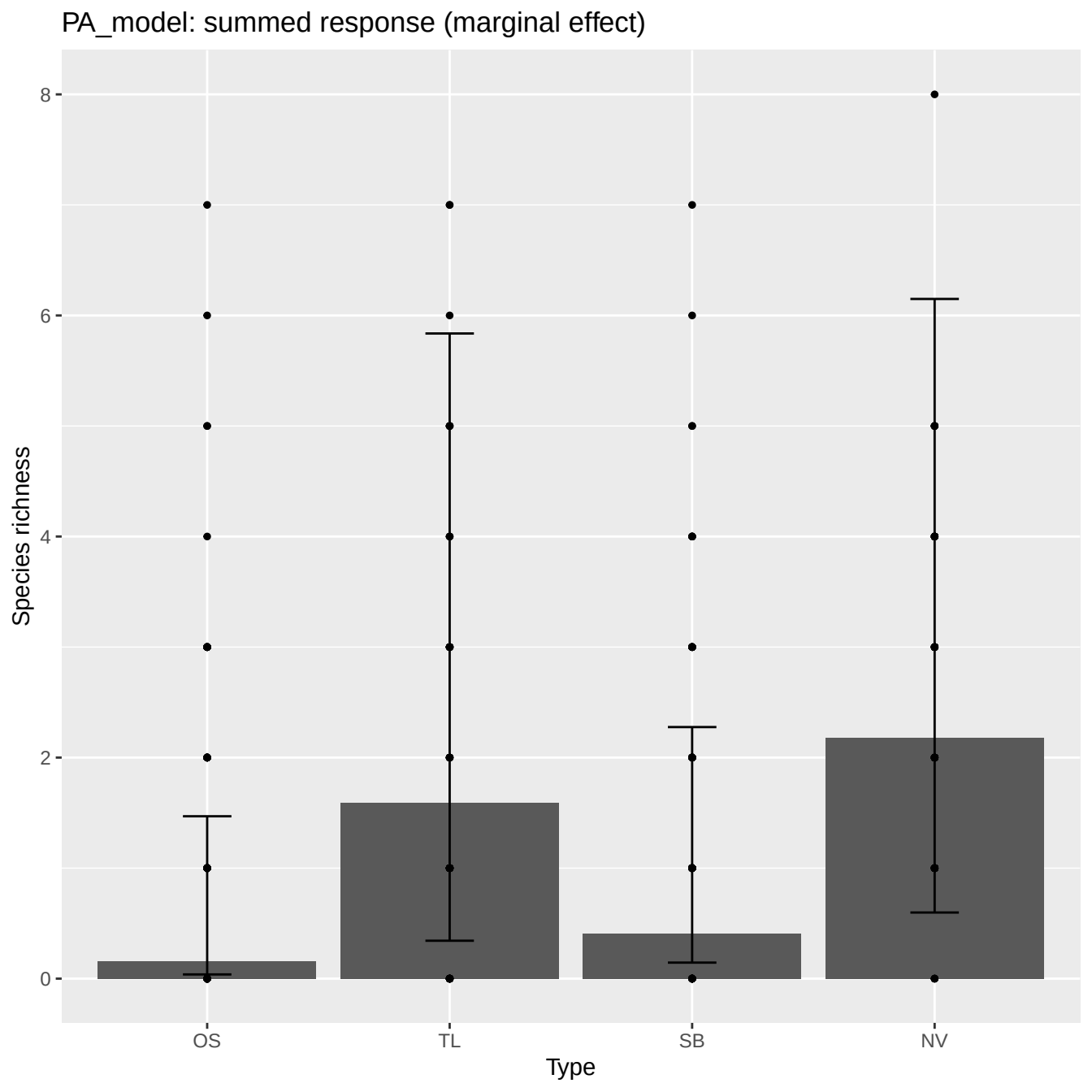

PA_model: community weighted mean trait (total effect)
sdm
0.20
0.15
0.10
0.05
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

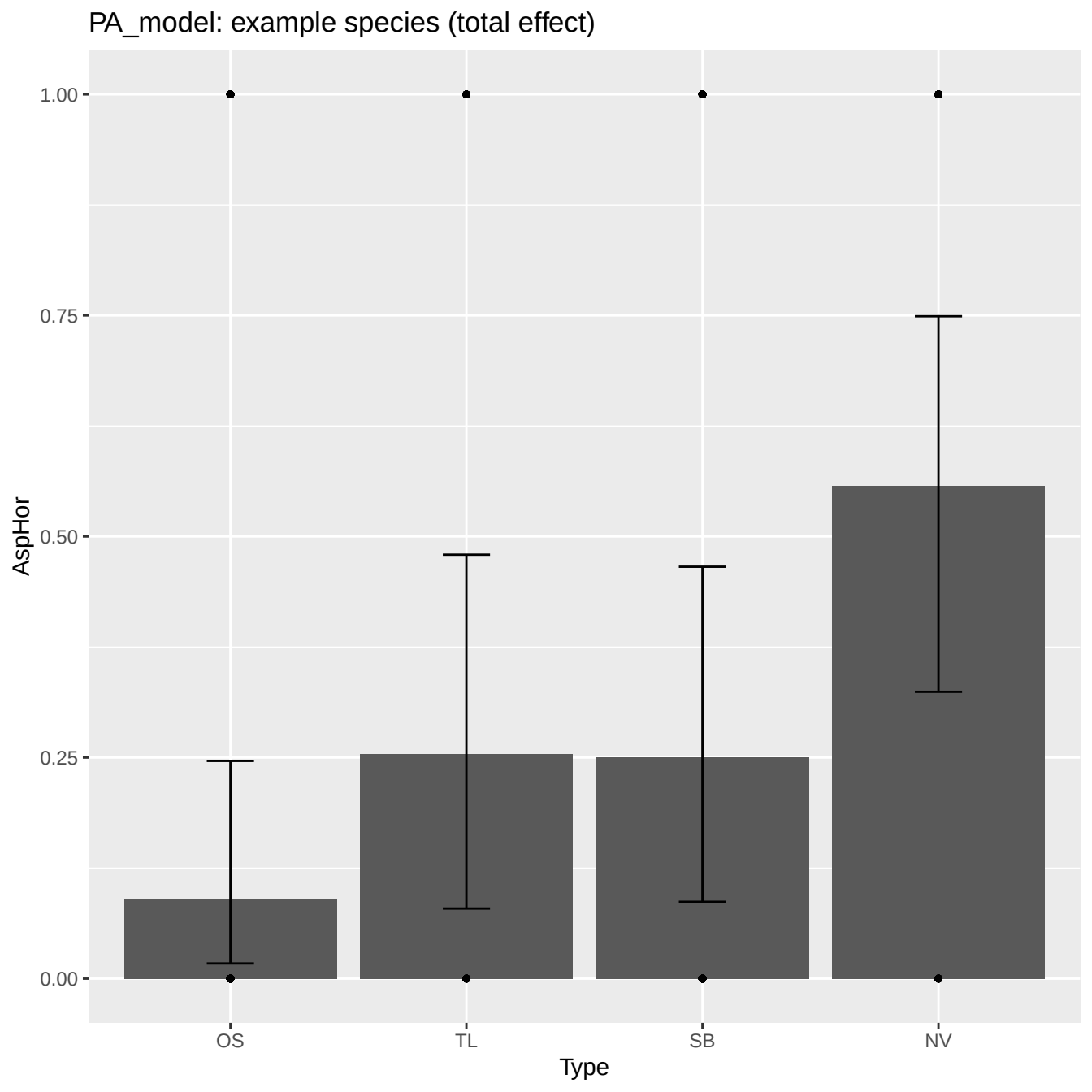

PA_model: community weighted mean trait (marginal effect)
sdm
0.20
0.15
0.10
0.05
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

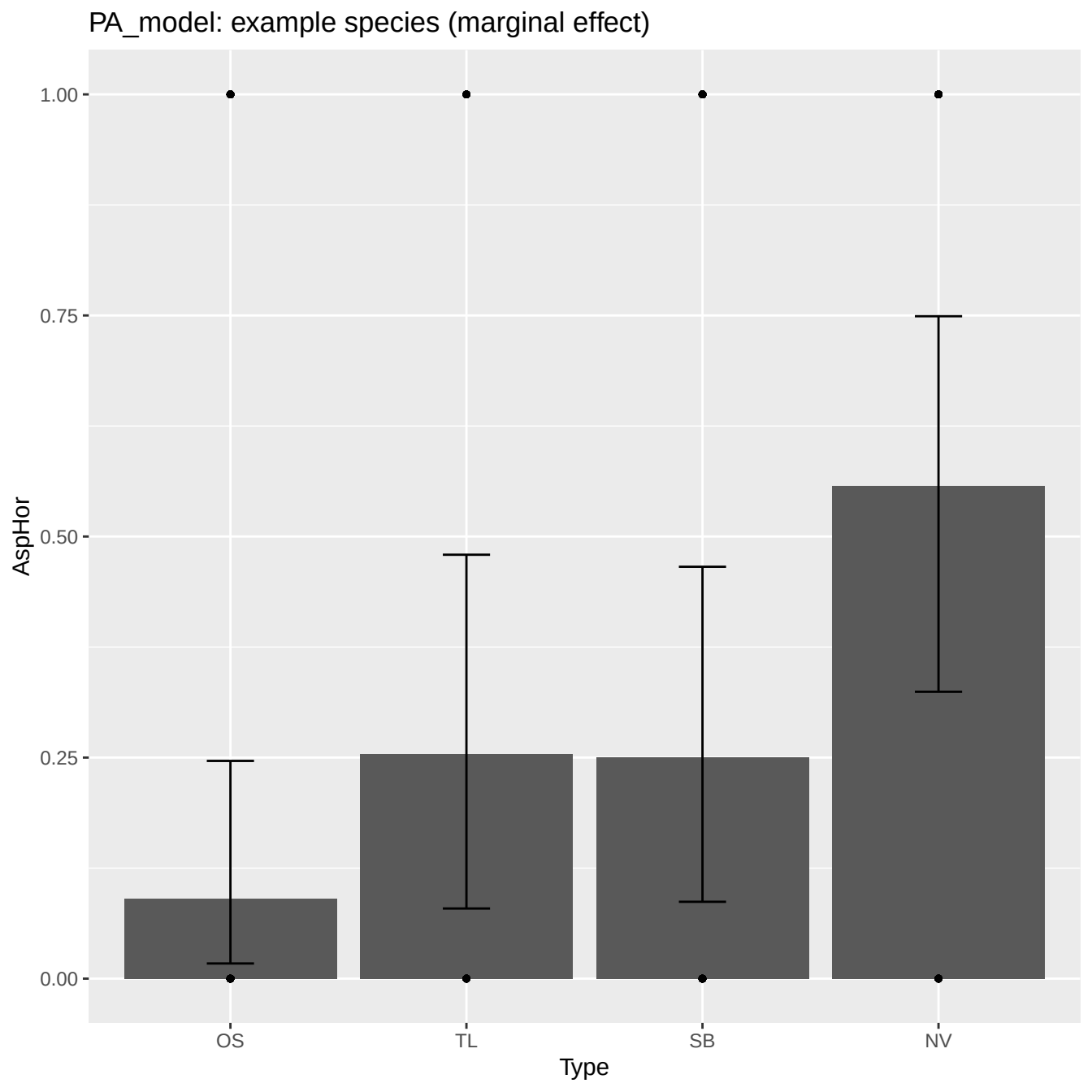

PA_model: community weighted mean trait (total effect)
80
60
40
20
0
pcw
Limestone
Alluvial
Marl
Metamorphic
Lithology

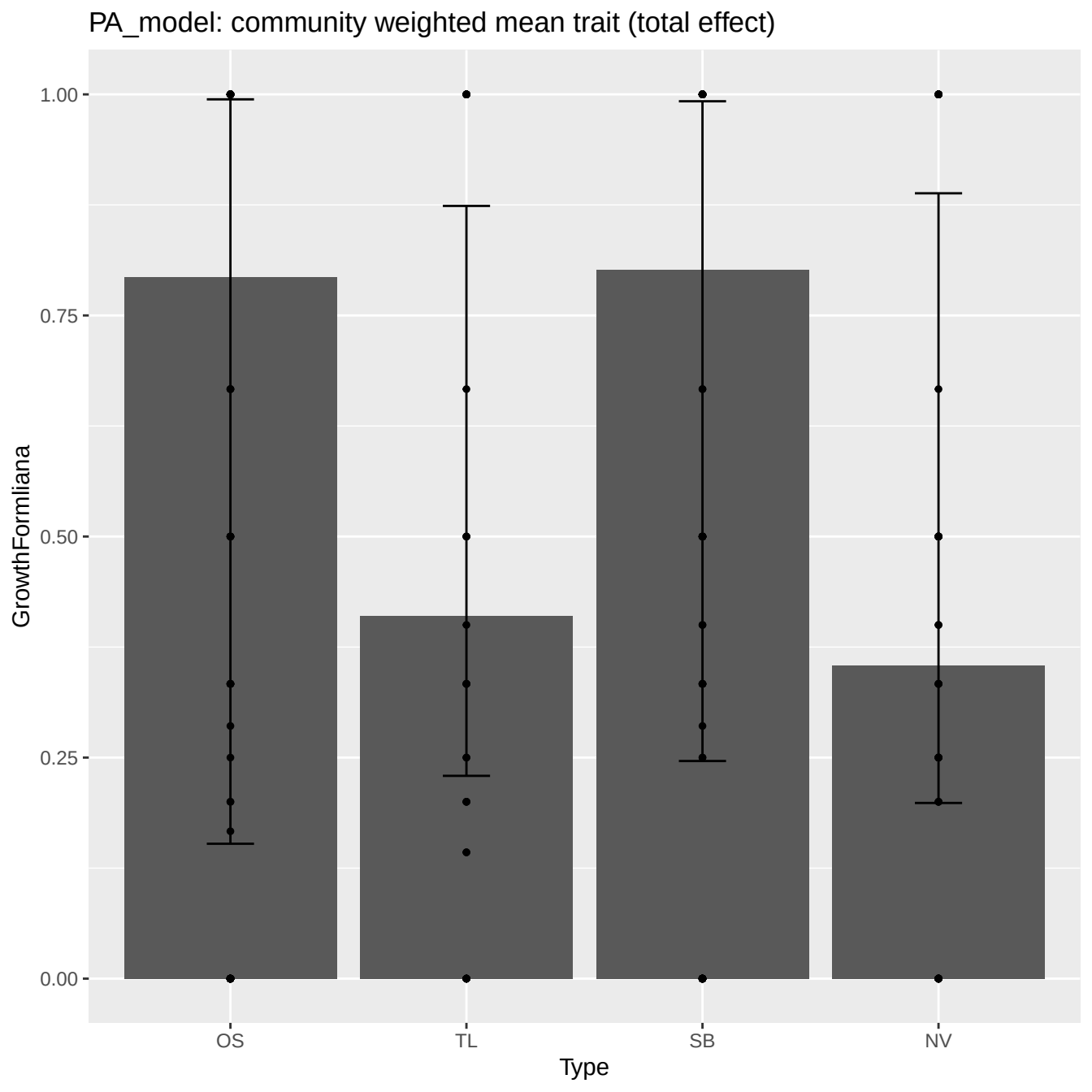

PA_model: community weighted mean trait (marginal effect)
pcw
80
60
40
20
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

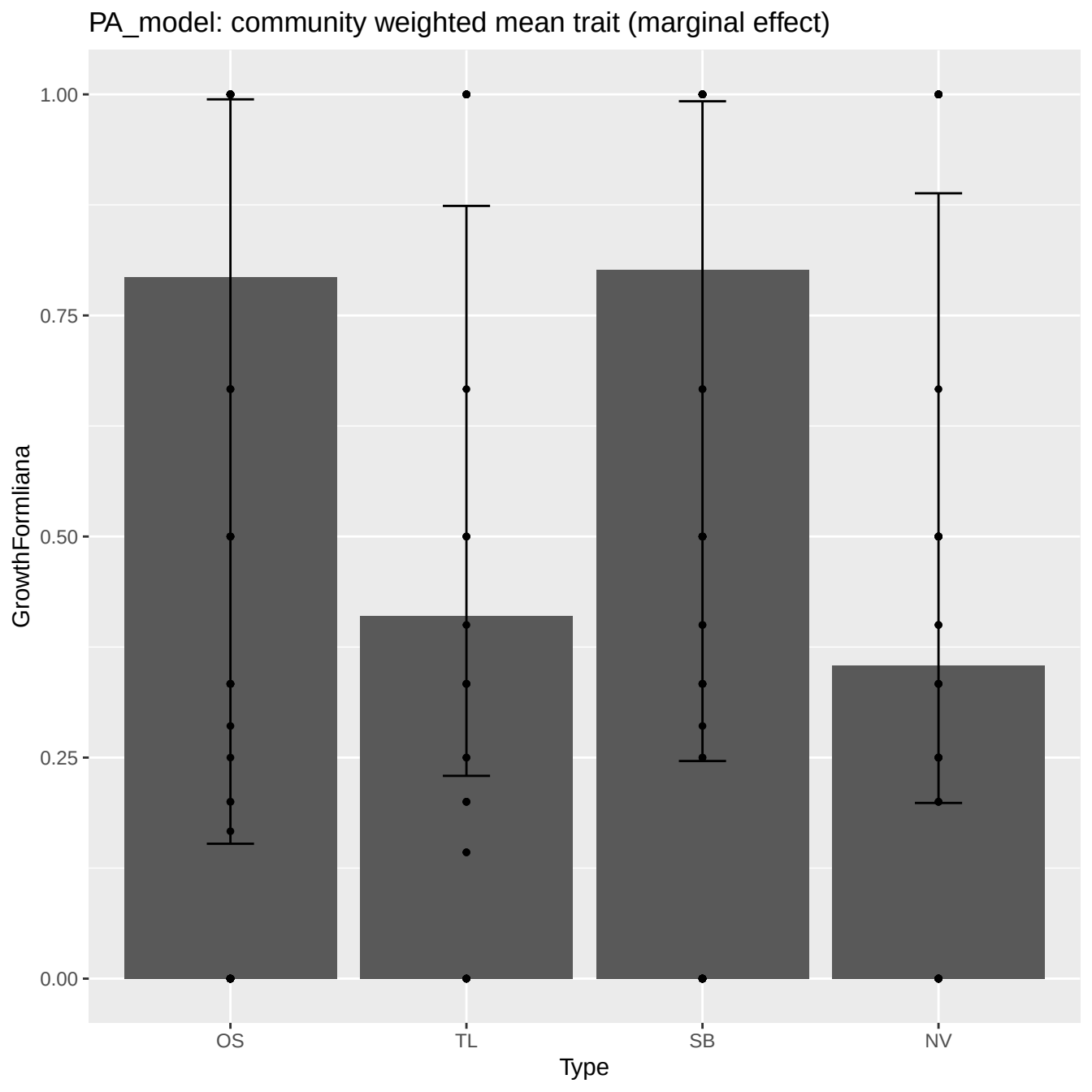

PA_model: summed response (total effect)
Species richness
8
6
4
2
0
OS
TL
SB
NV
Type

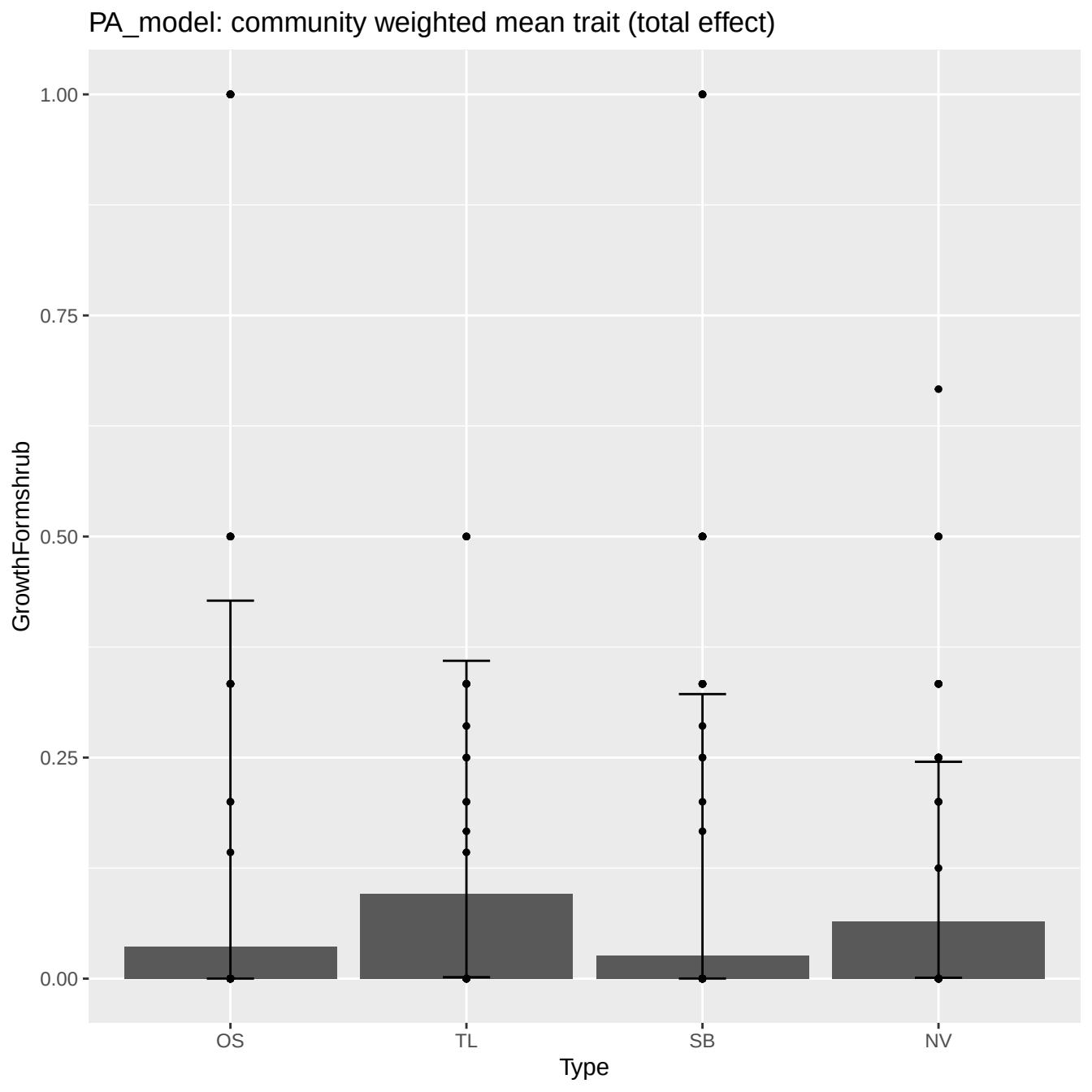

PA_model: summed response (marginal effect)
Species richness
8
6
4
2
0
OS
TL
SB
NV
Type

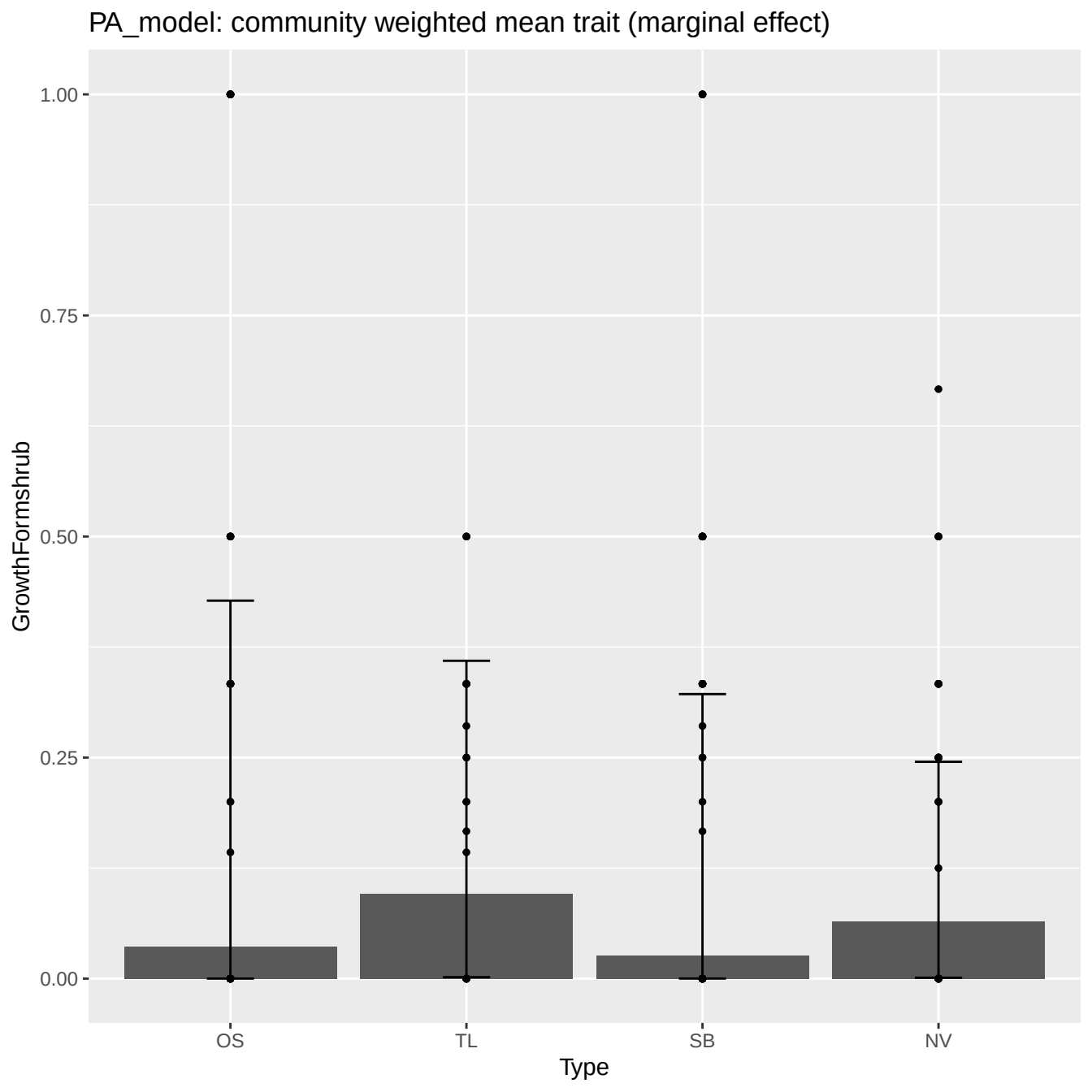

PA_model: example species (total effect)
1.00
0.75
0.50
0.25
0.00
AspHor
OS
TL
SB
NV
Type

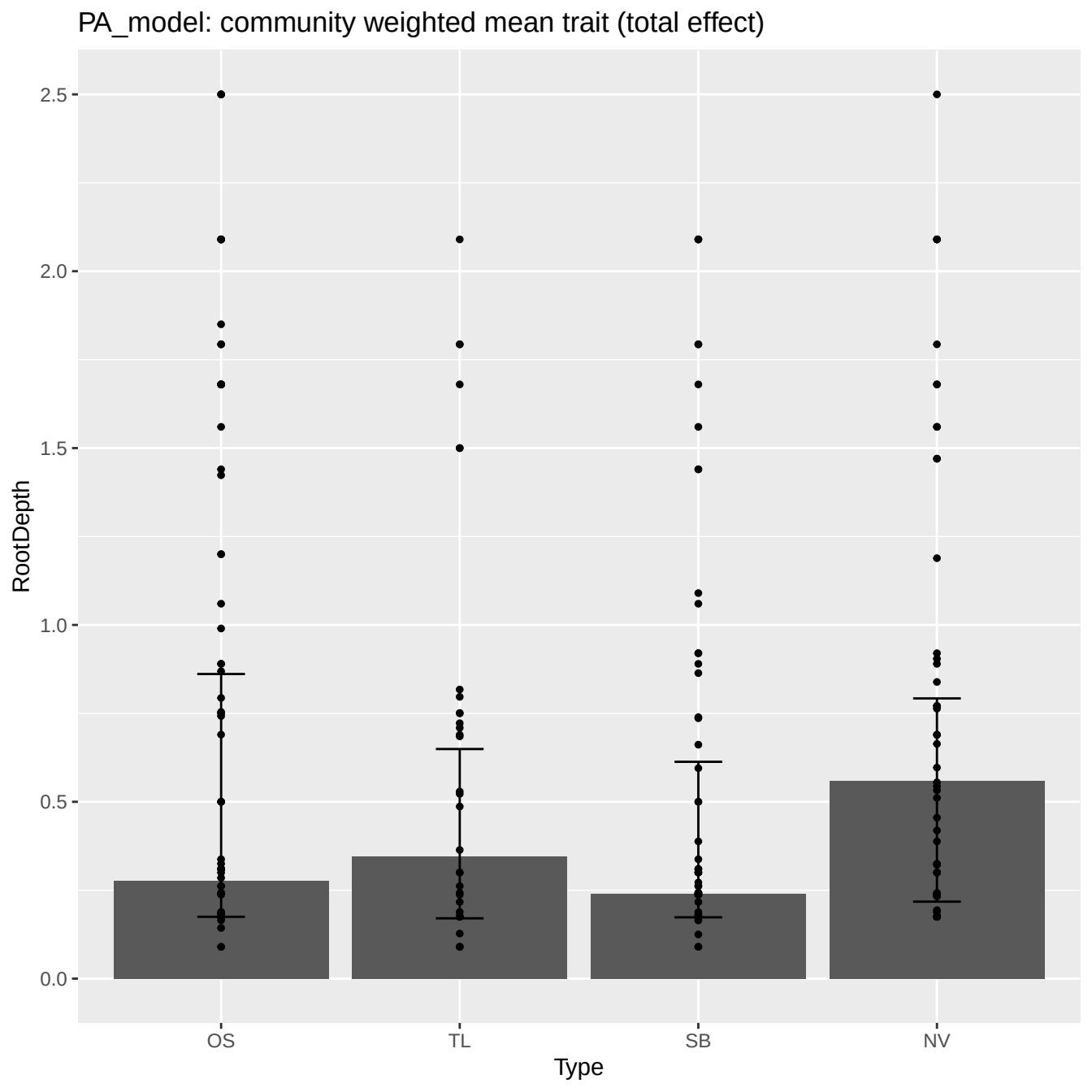

PA_model: example species (marginal effect)
1.00
0.75
0.50
0.25
0.00
AspHor
OS
TL
SB
NV
Type

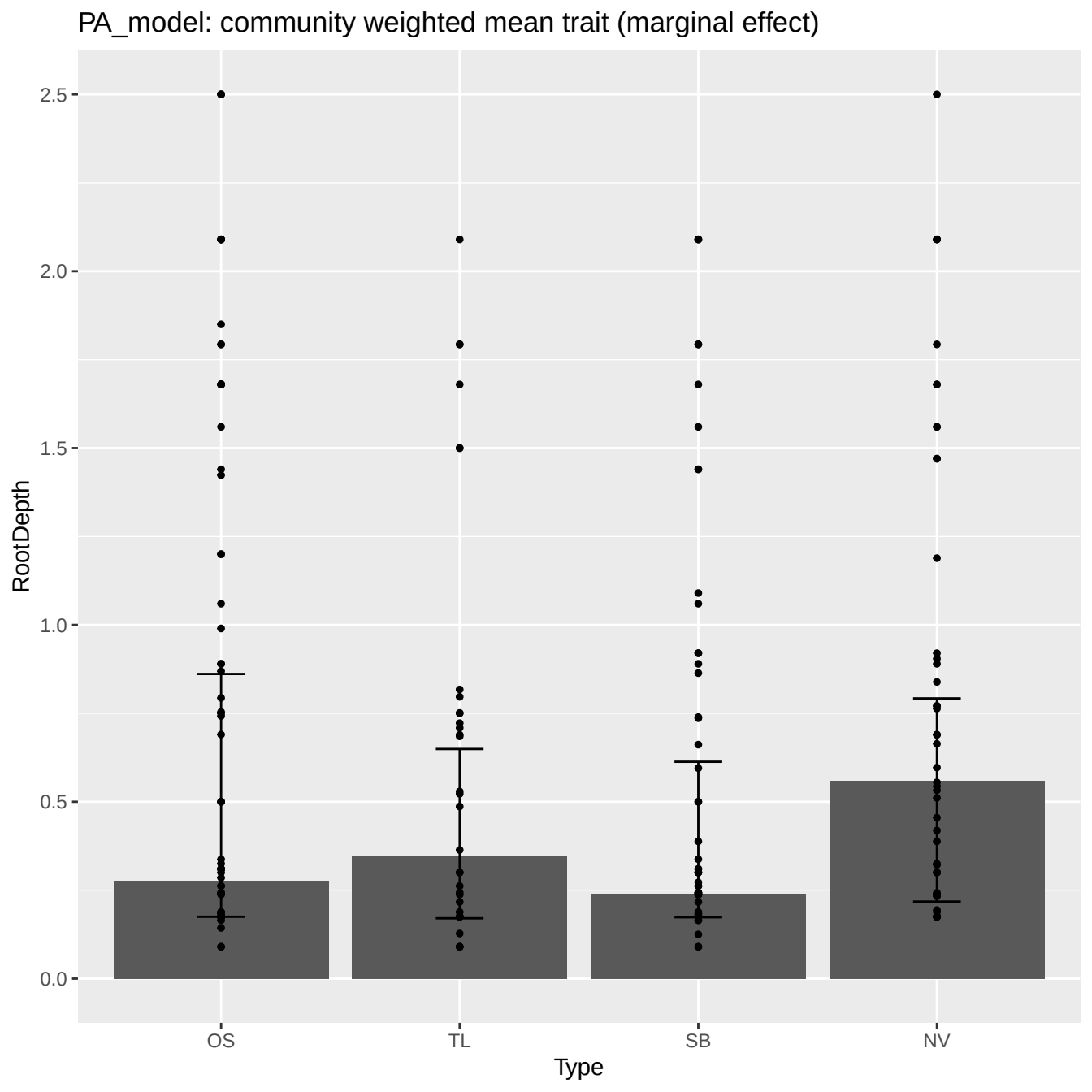

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
OS
TL
SB
NV
Type

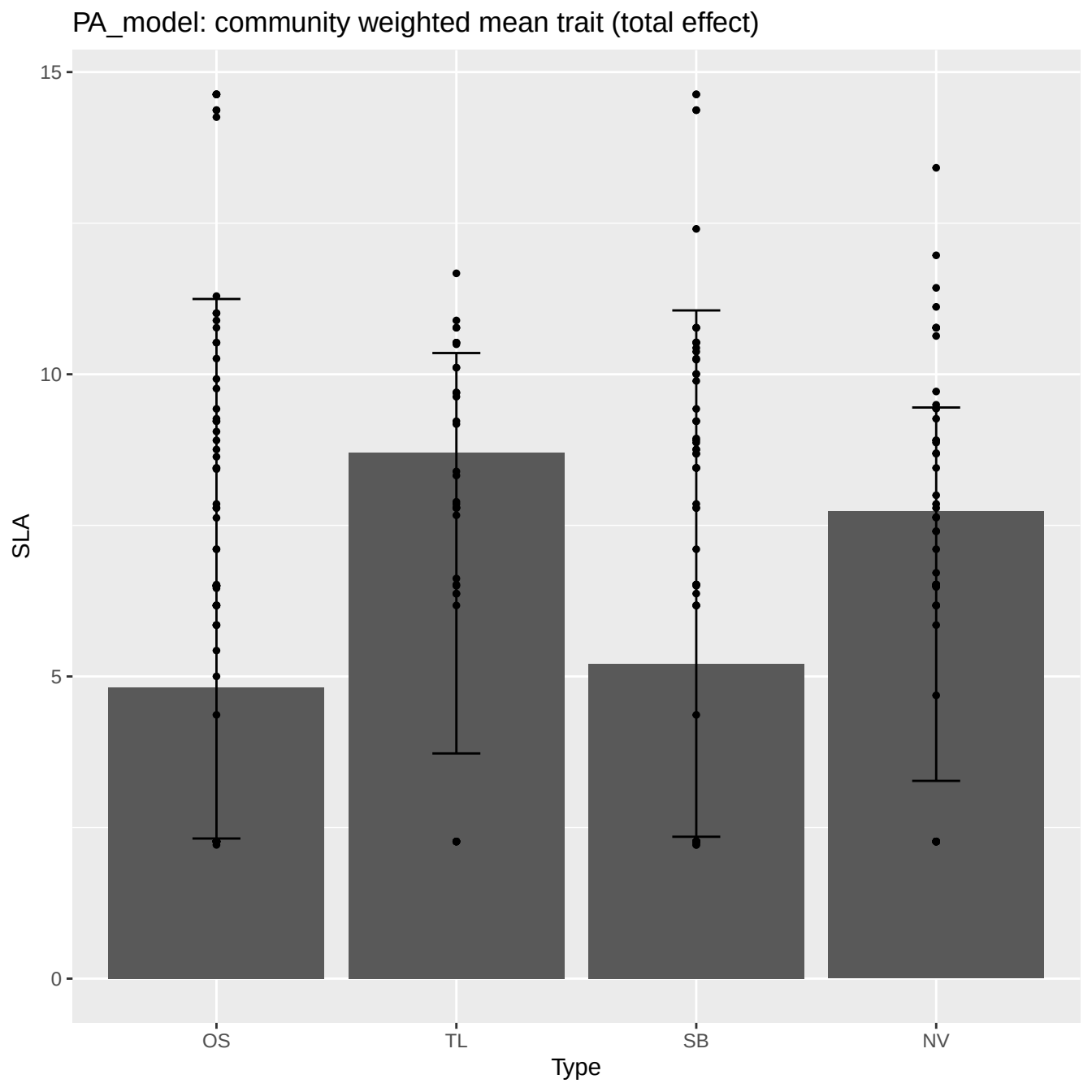

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
OS
TL
SB
NV
Type

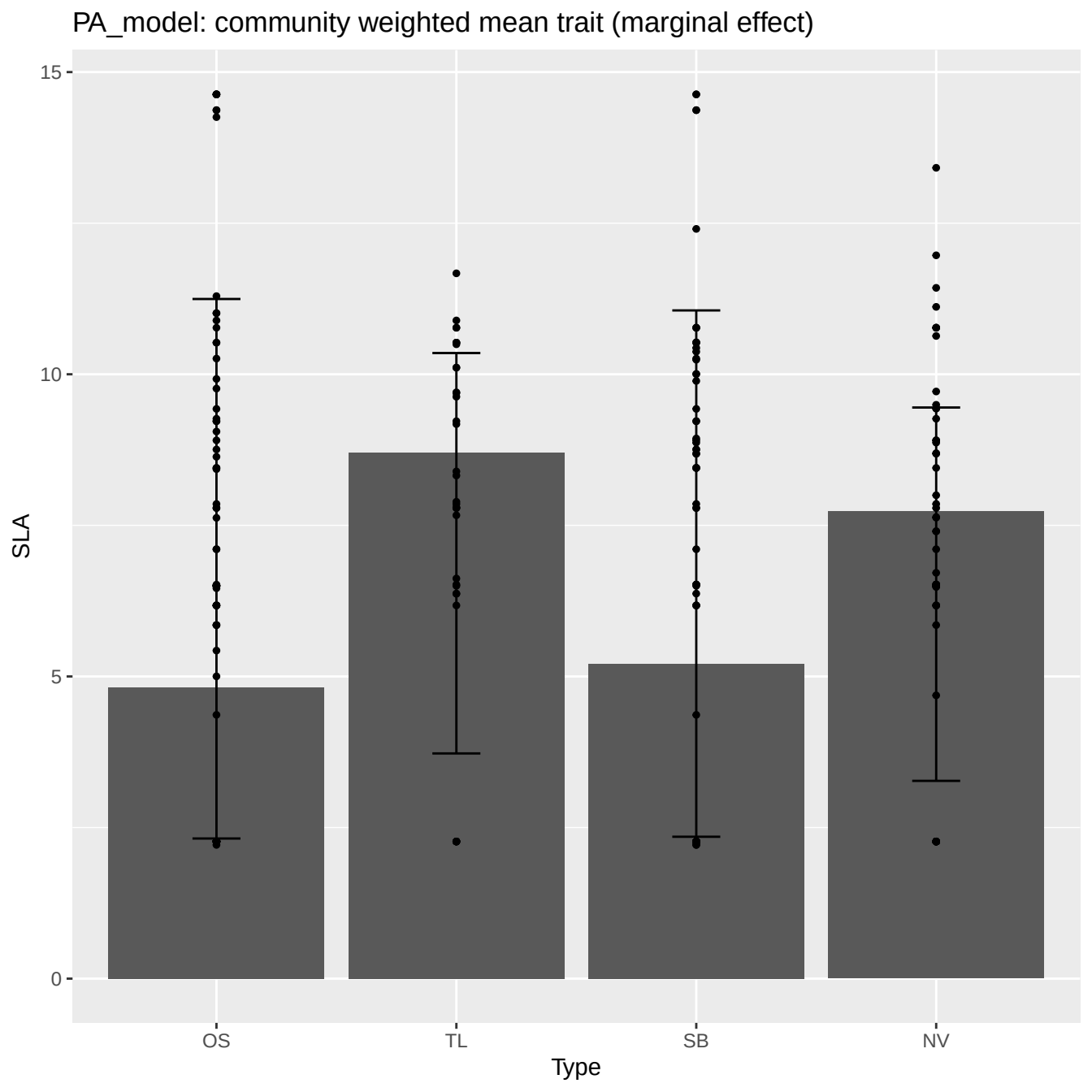

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
OS
TL
SB
NV
Type

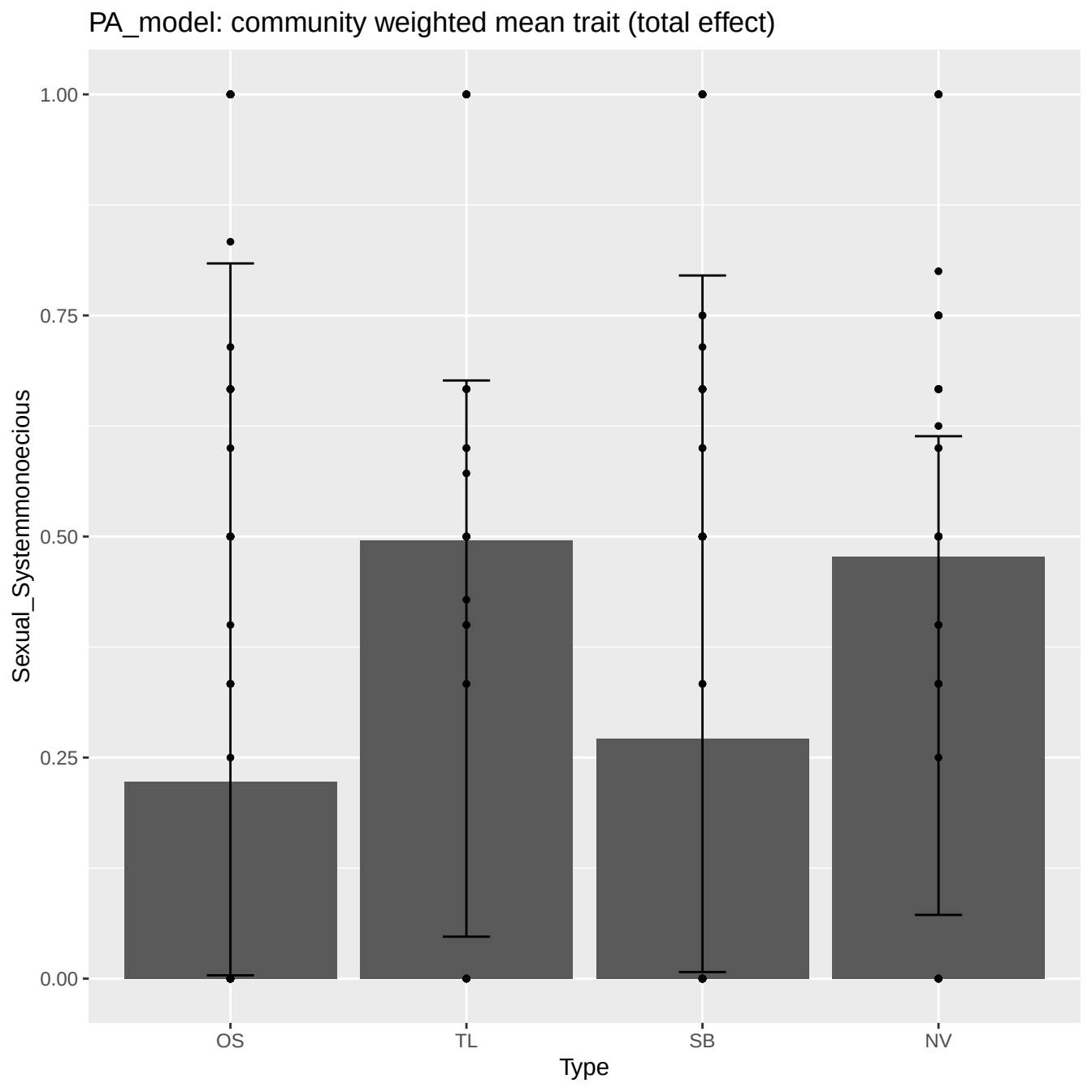

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
OS
TL
SB
NV
Type

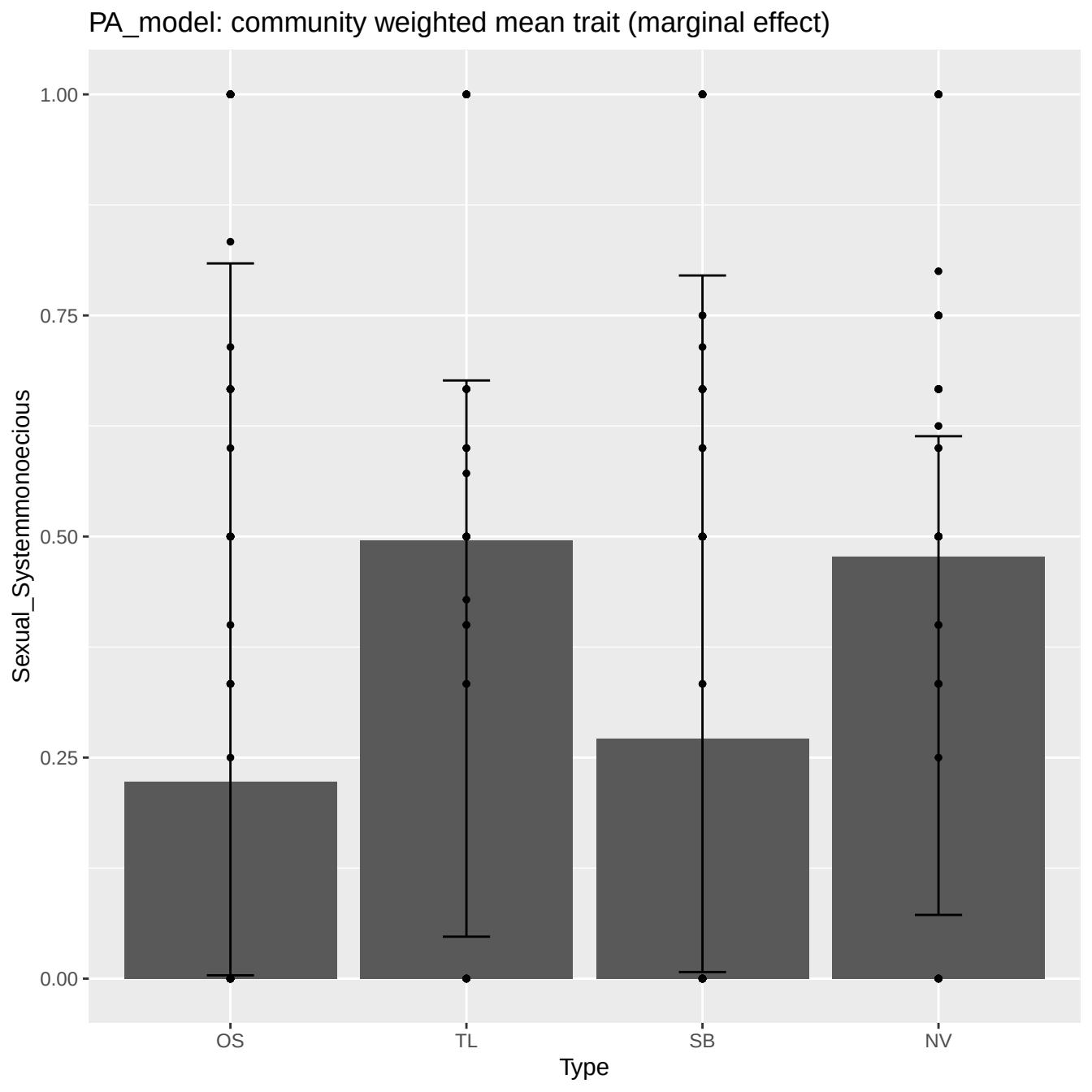

PA_model: community weighted mean trait (total effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
OS
TL
SB
NV
Type

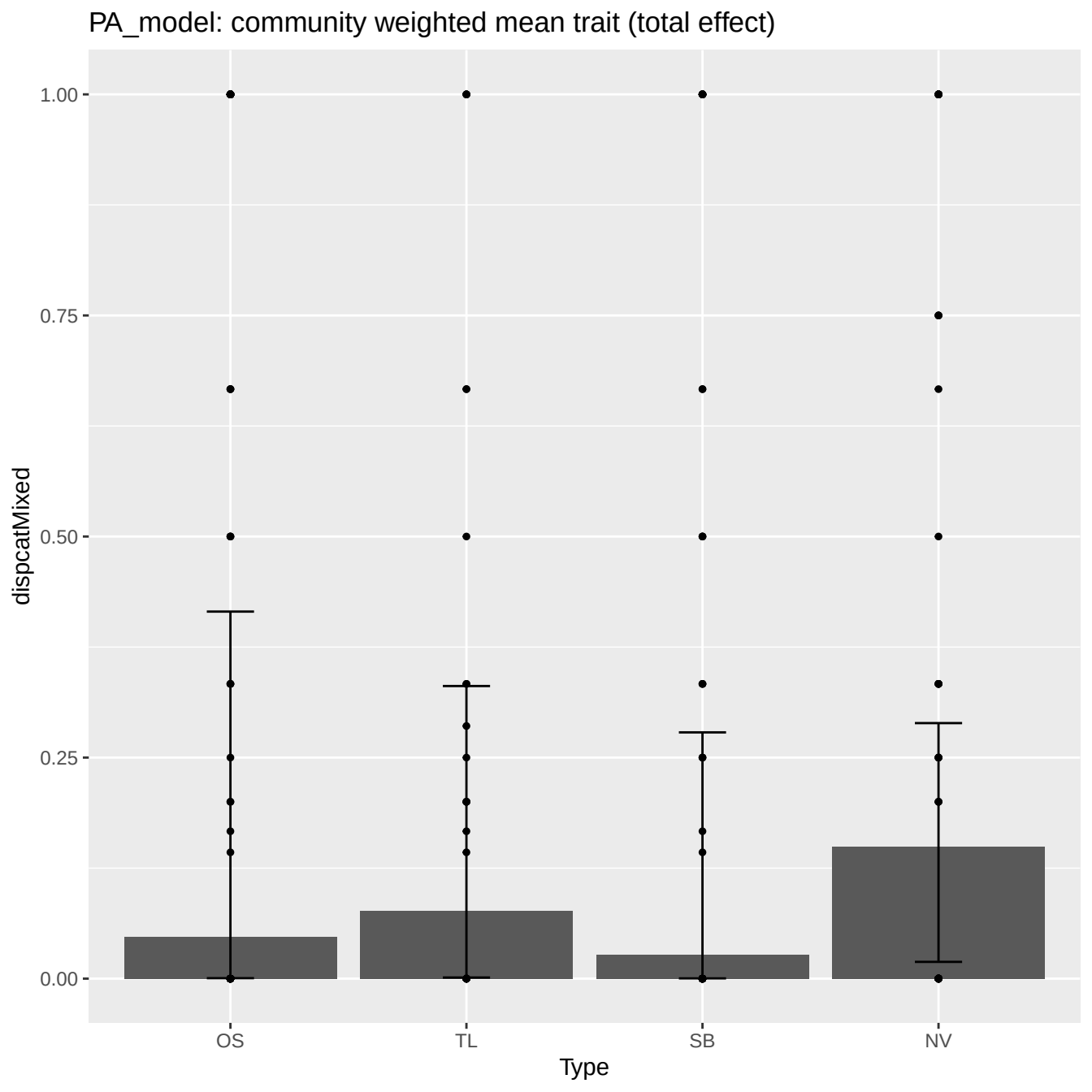

PA_model: community weighted mean trait (marginal effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
OS
TL
SB
NV
Type

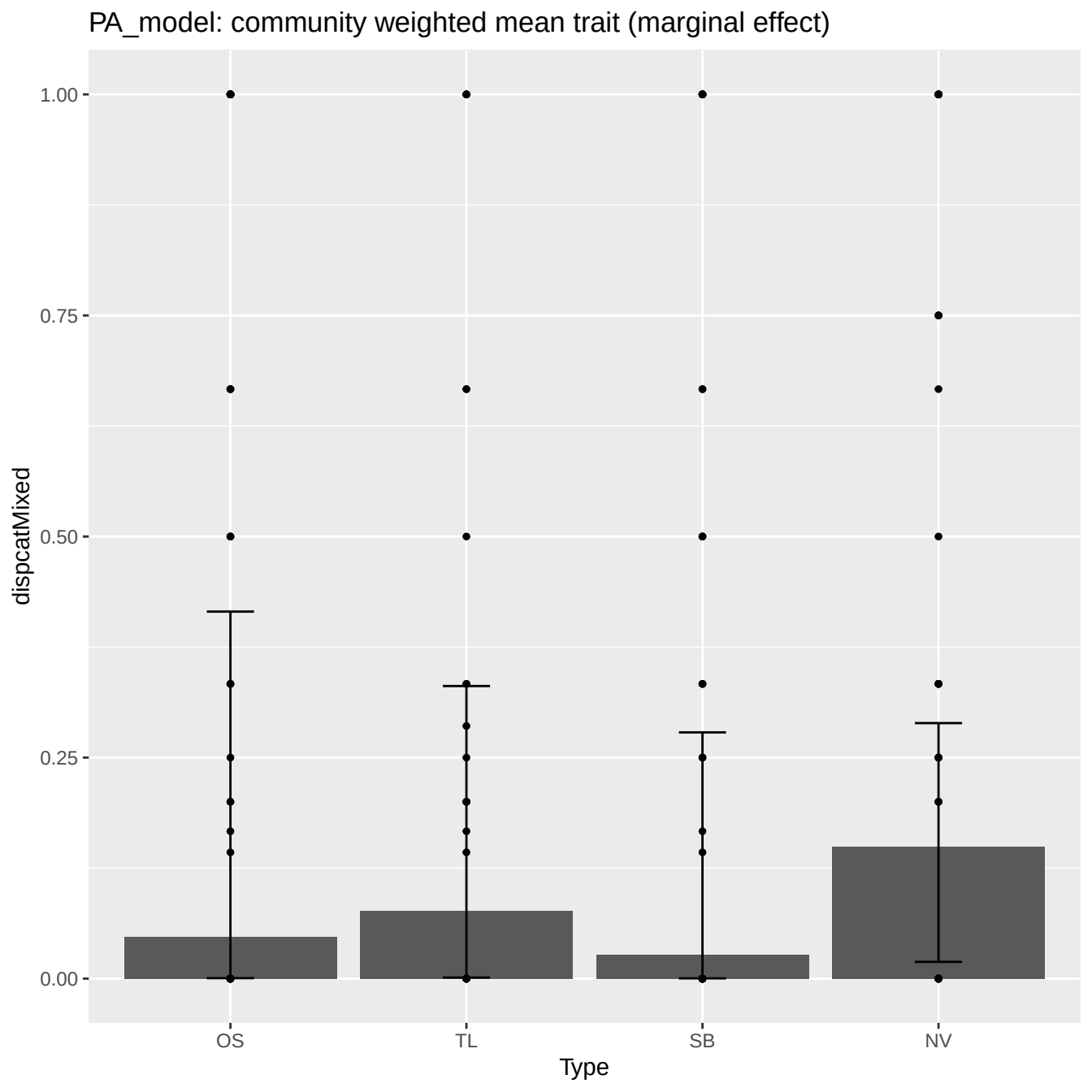

PA_model: community weighted mean trait (total effect)
15
10
5
0
SLA
OS
TL
SB
NV
Type

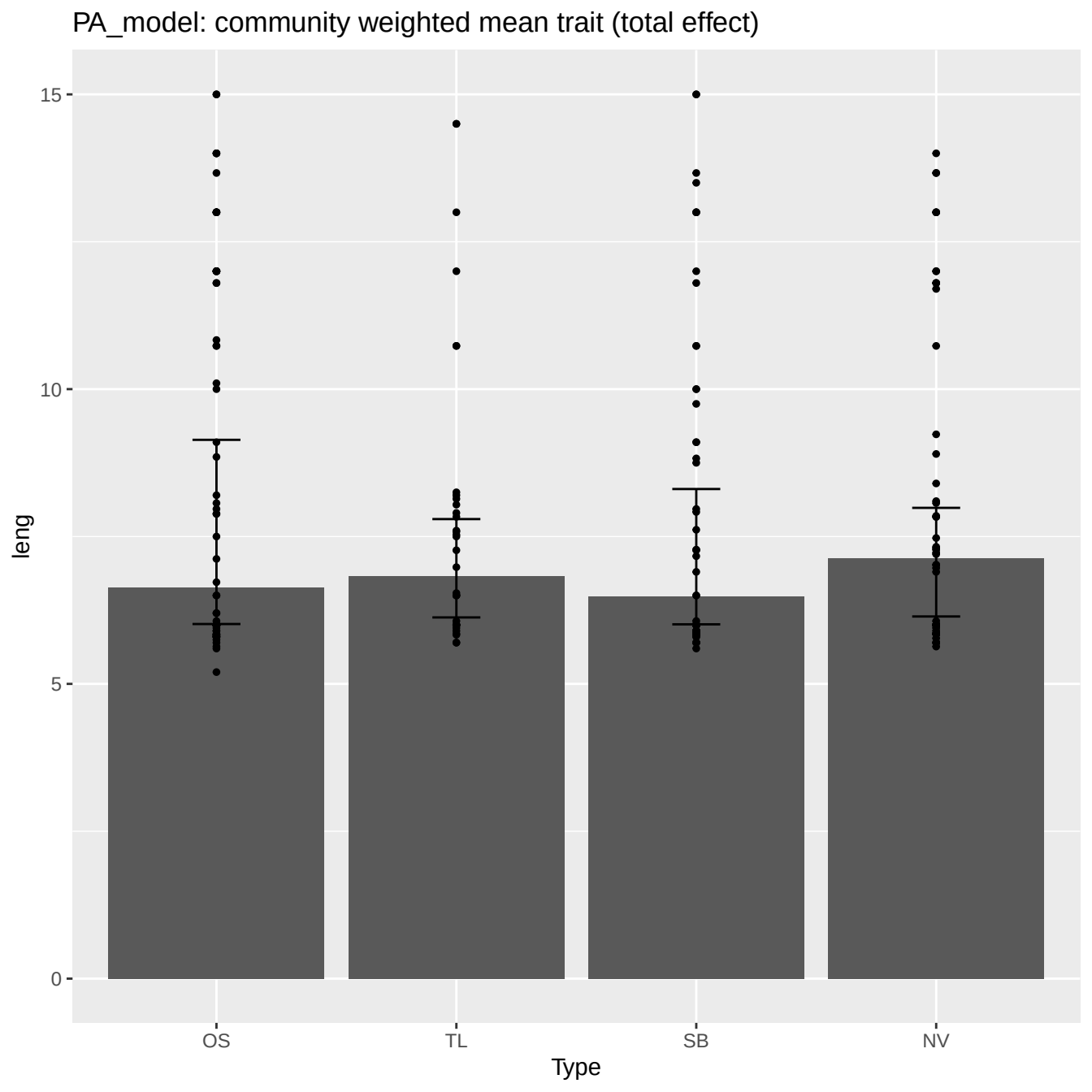

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
SLA
OS
TL
SB
NV
Type

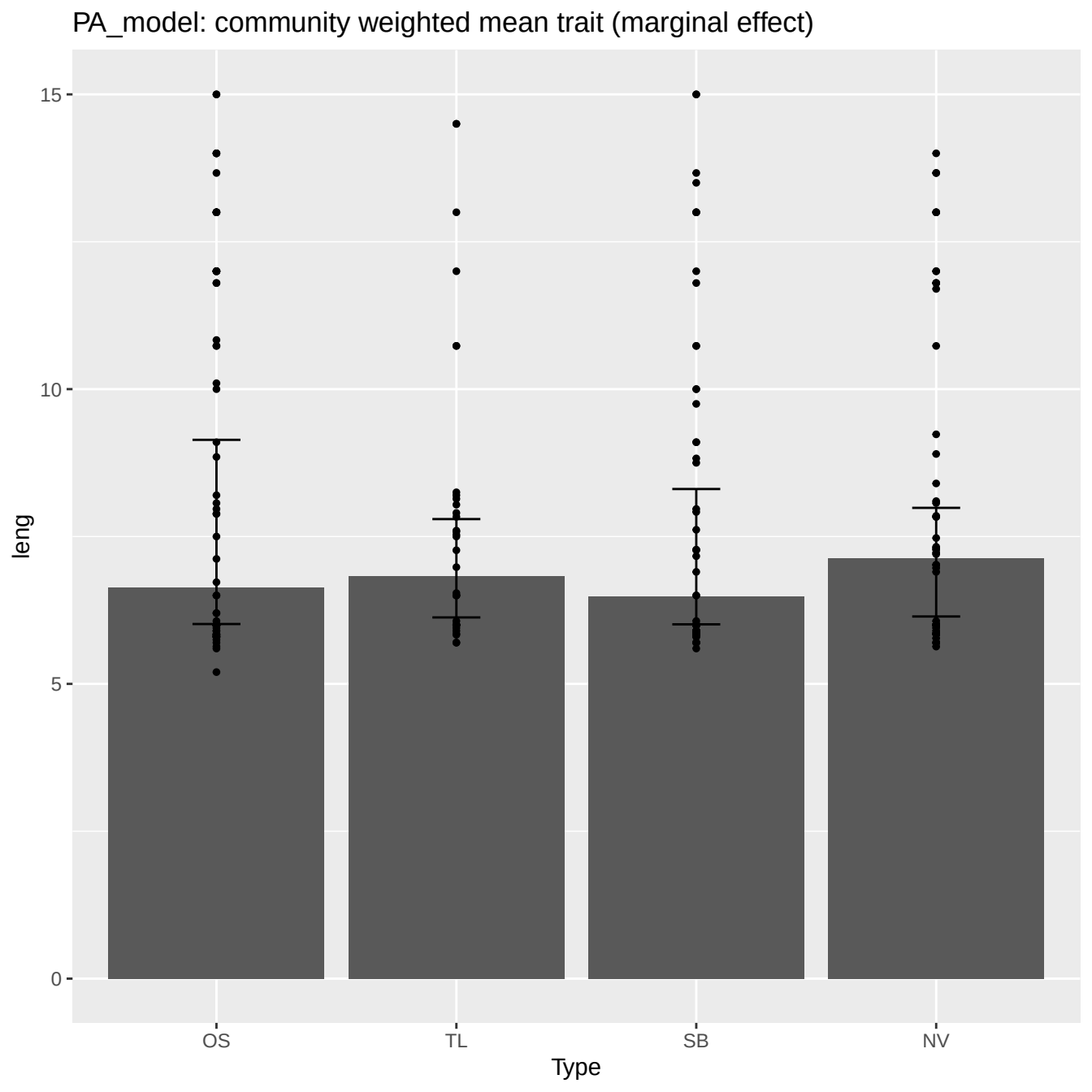

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
OS
TL
SB
NV
Type

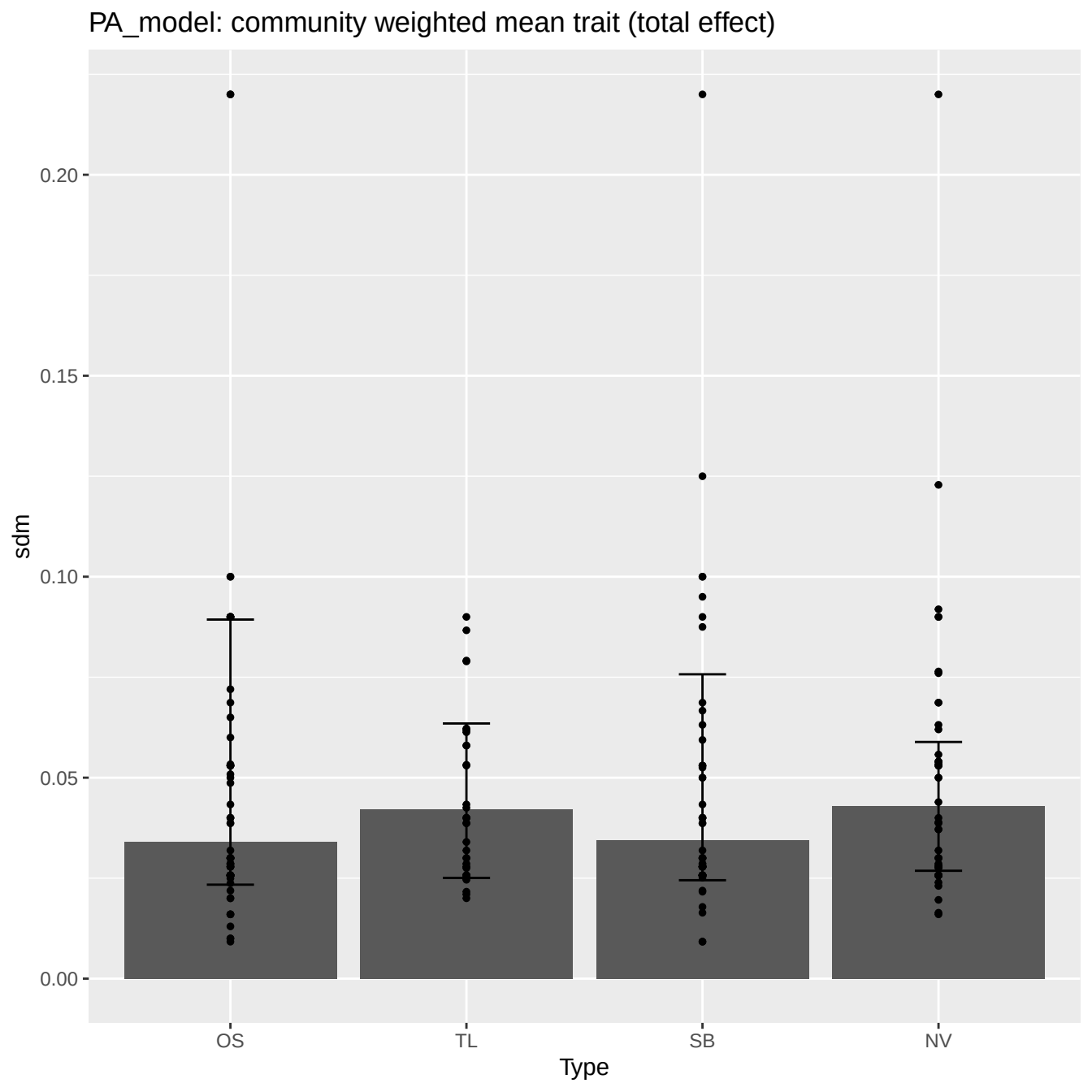

PA_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
1.00
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

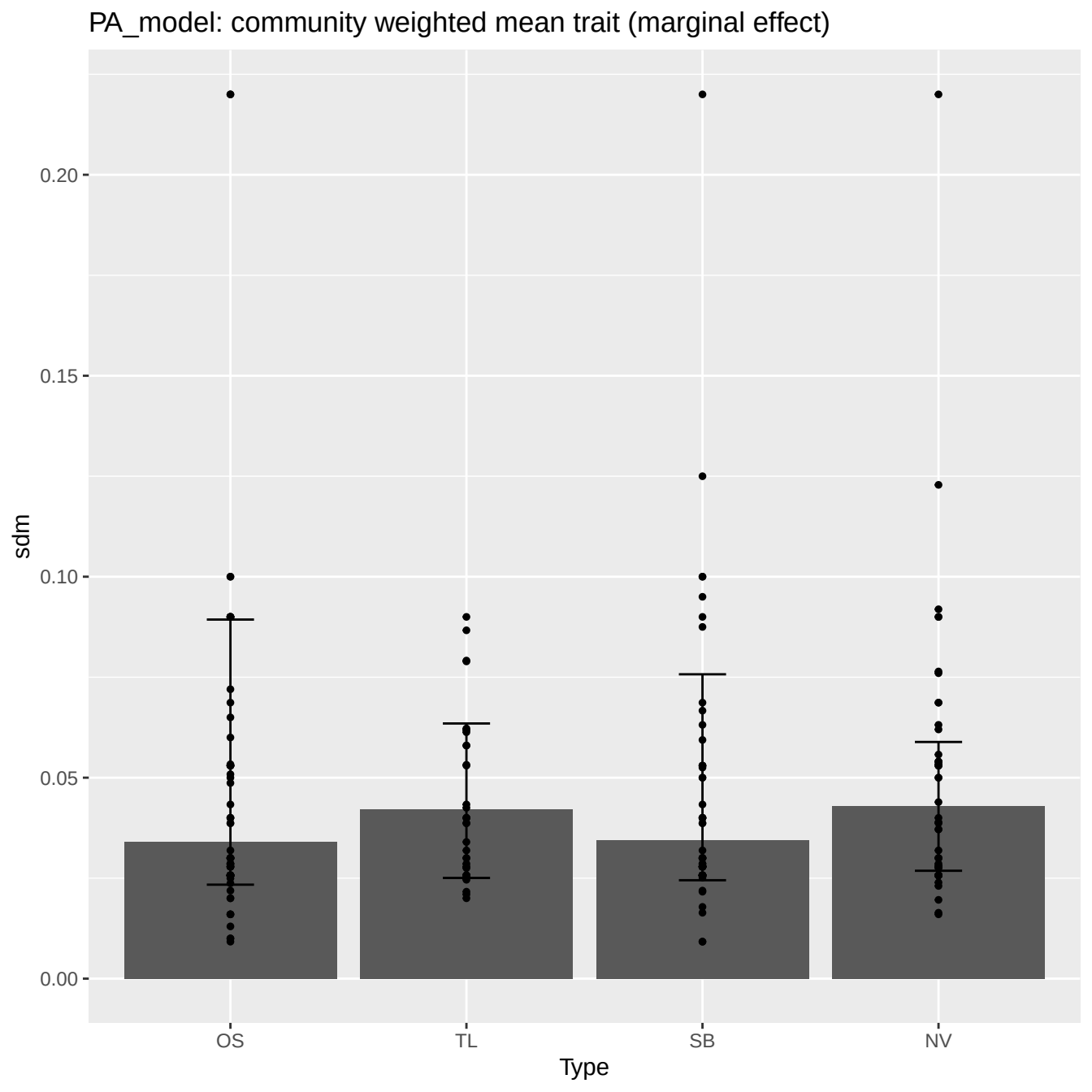

PA_model: community weighted mean trait (total effect)
dispcatMixed
1.00
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

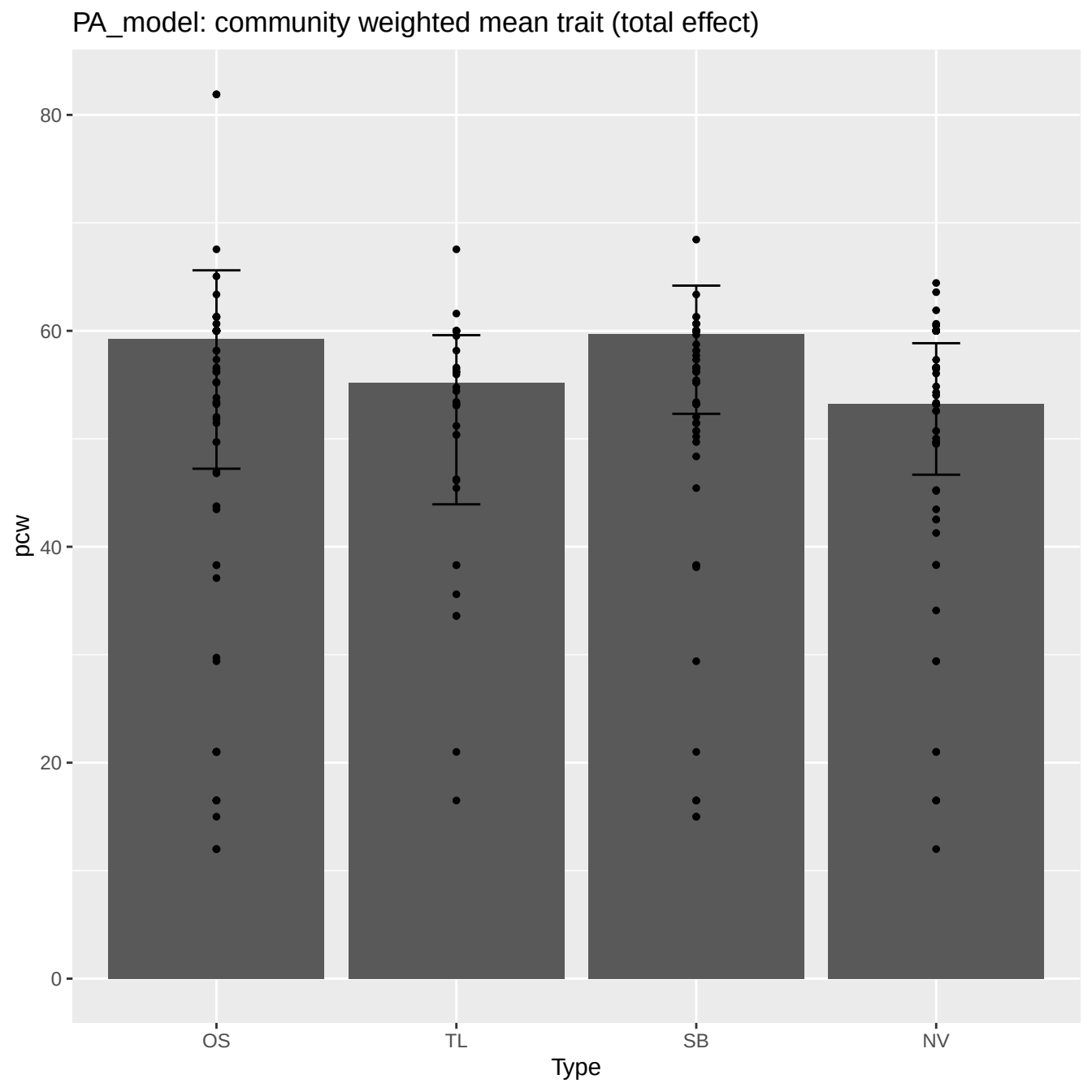

PA_model: community weighted mean trait (marginal effect)
dispcatMixed
1.00
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

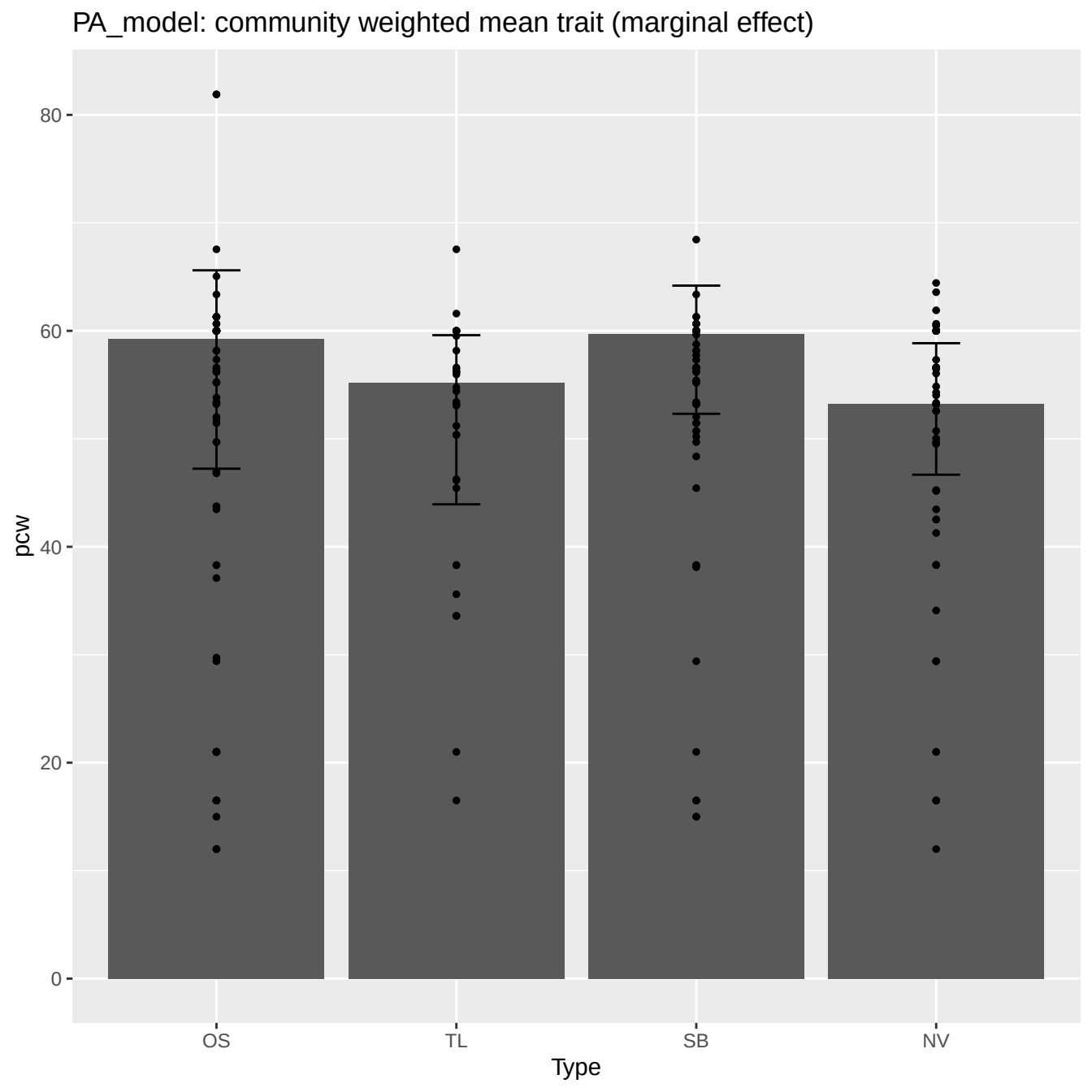

PA_model: community weighted mean trait (total effect)
15
10
5
0
leng
OS
TL
SB
NV
Type

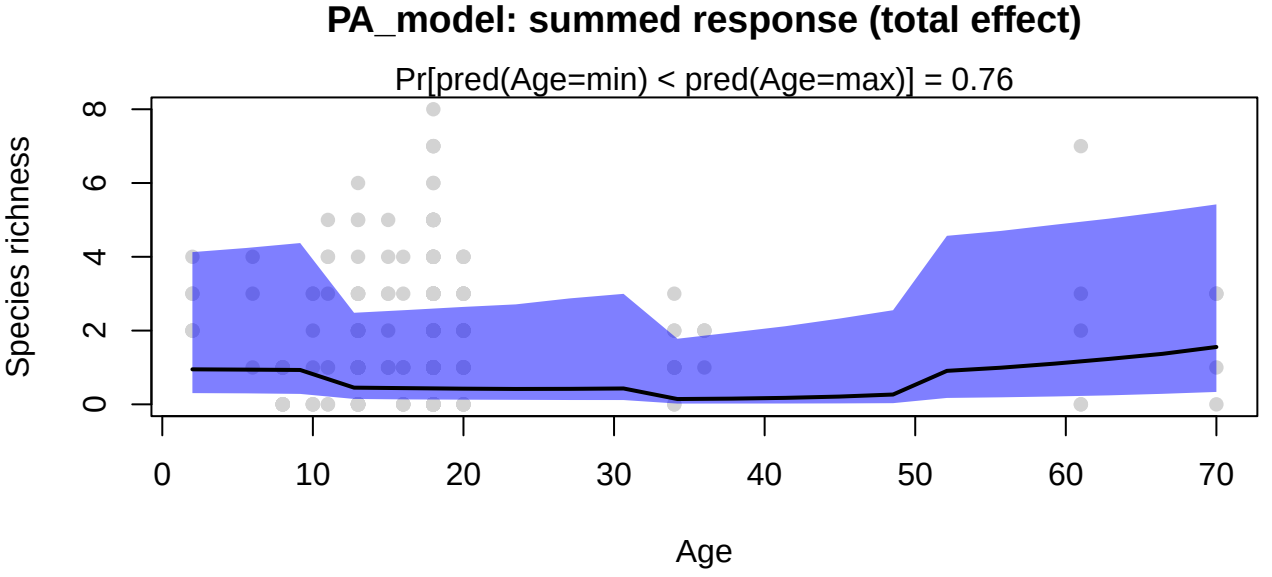

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
leng
OS
TL
SB
NV
Type

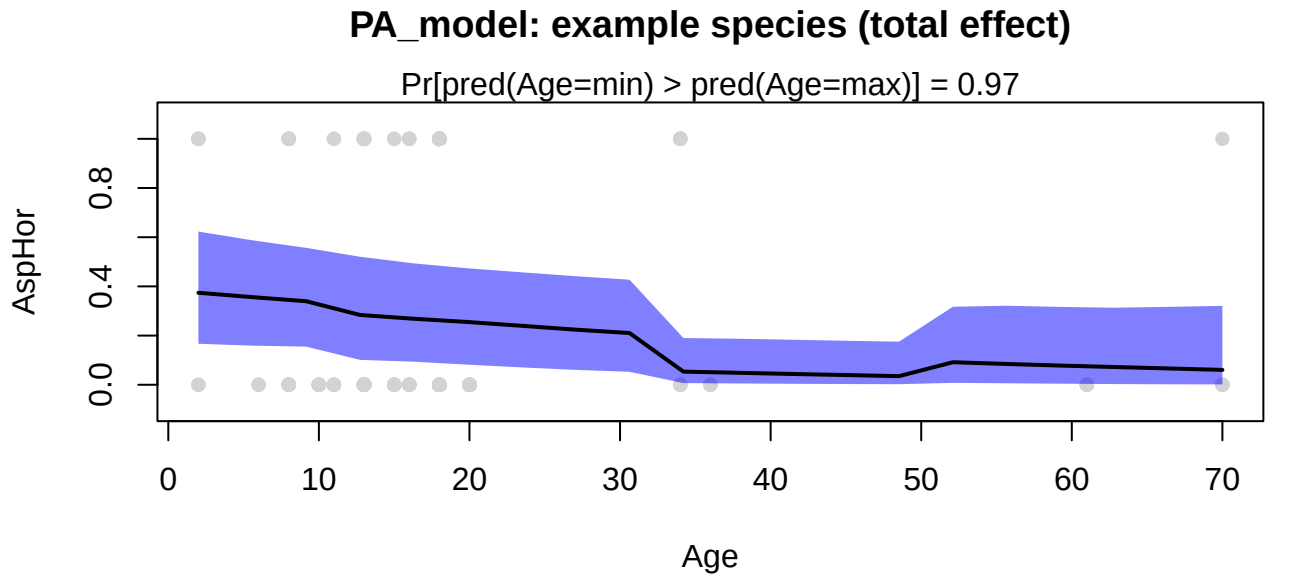

PA_model: community weighted mean trait (total effect)
sdm
0.20
0.15
0.10
0.05
0.00
OS
TL
SB
NV
Type

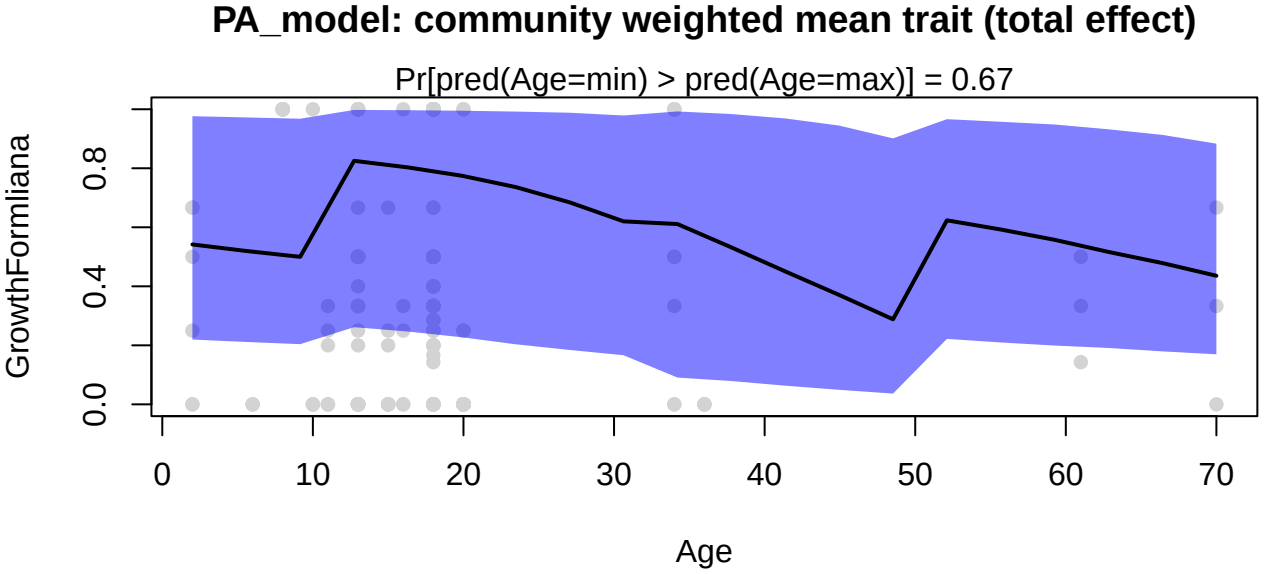

PA_model: community weighted mean trait (marginal effect)
sdm
0.20
0.15
0.10
0.05
0.00
OS
TL
SB
NV
Type

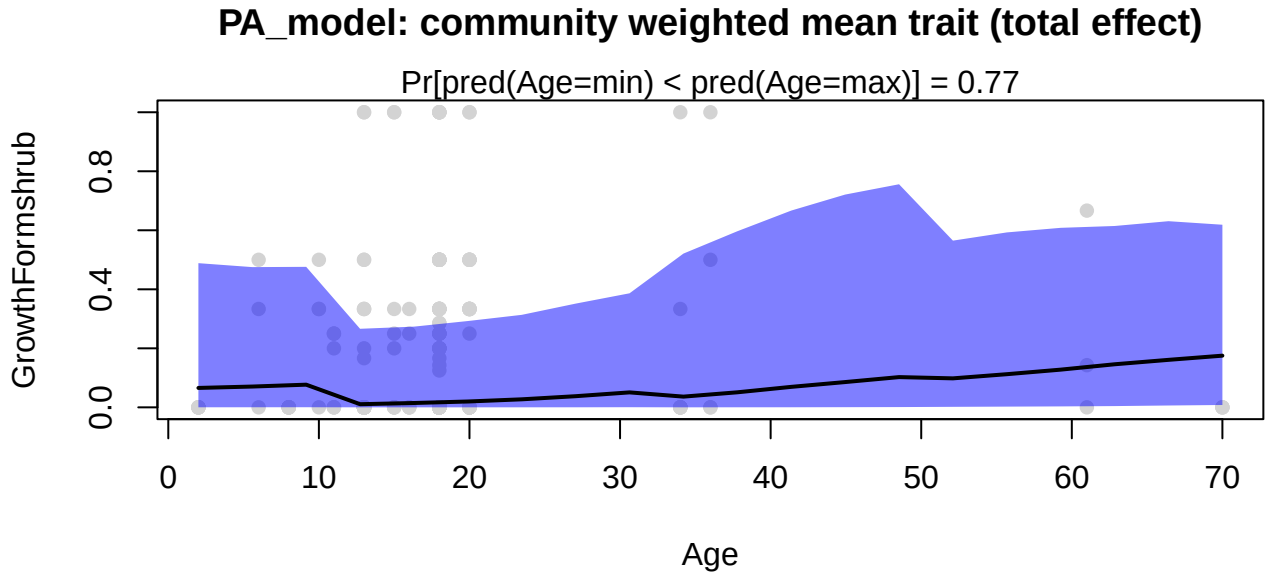

PA_model: community weighted mean trait (total effect)
80
60
40
20
0
pcw
OS
TL
SB
NV
Type

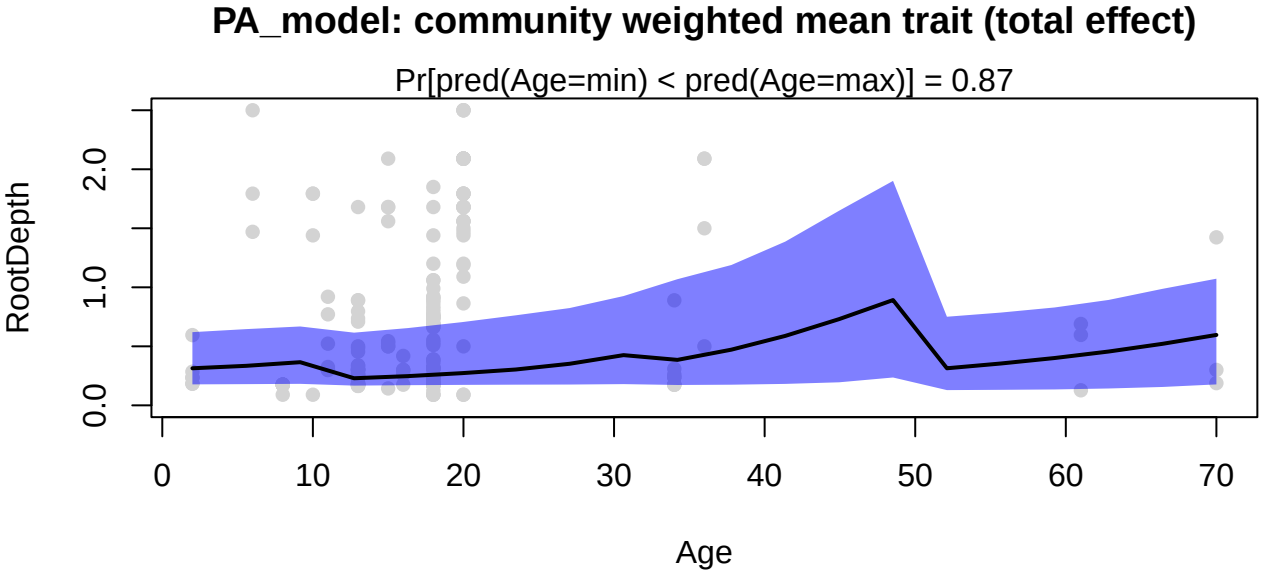

PA_model: community weighted mean trait (marginal effect)
80
60
40
20
0
pcw
OS
TL
SB
NV
Type

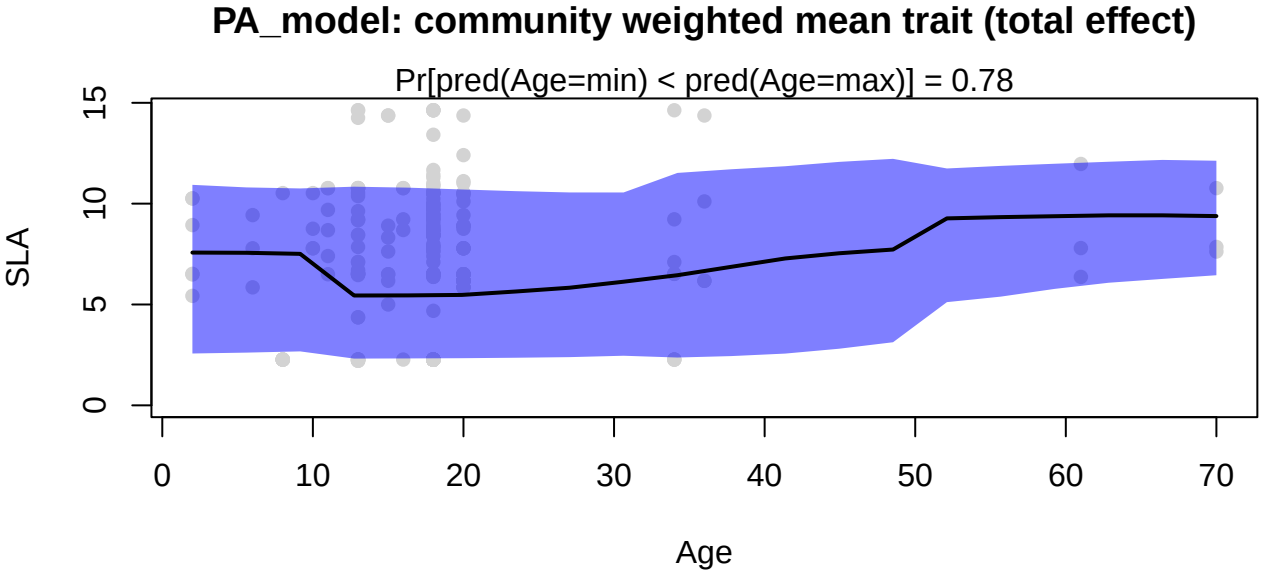

PA_model: summed response (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.76
Species richness
0
2
4
6
8
0
10
20
30
40
50
60
70
Age

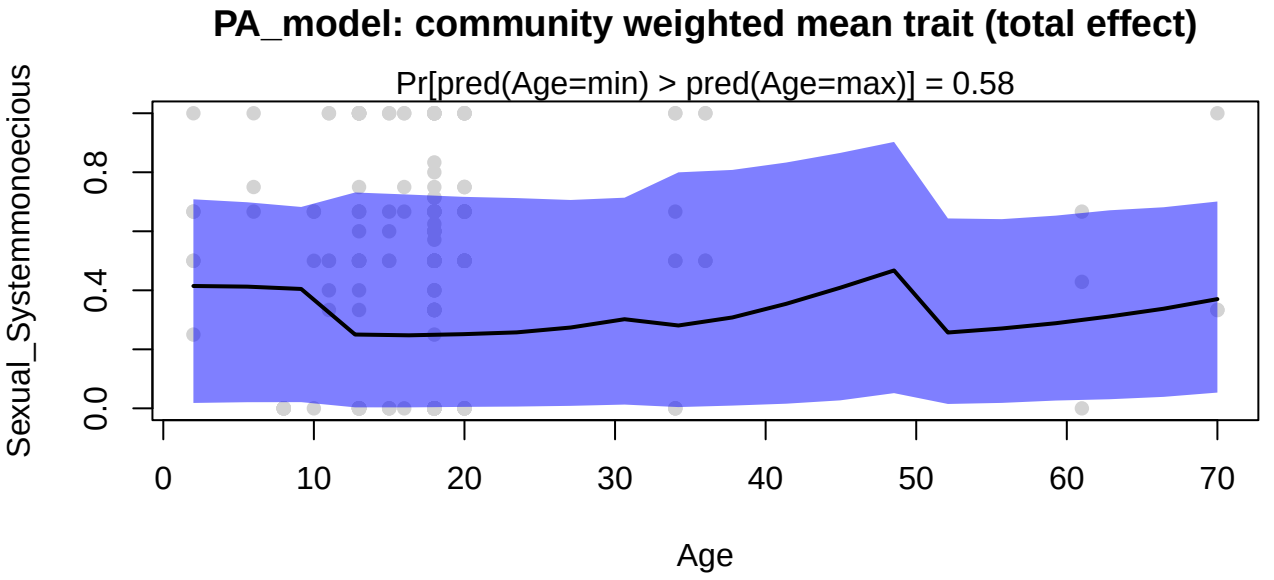

PA_model: example species (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.97
AspHor
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

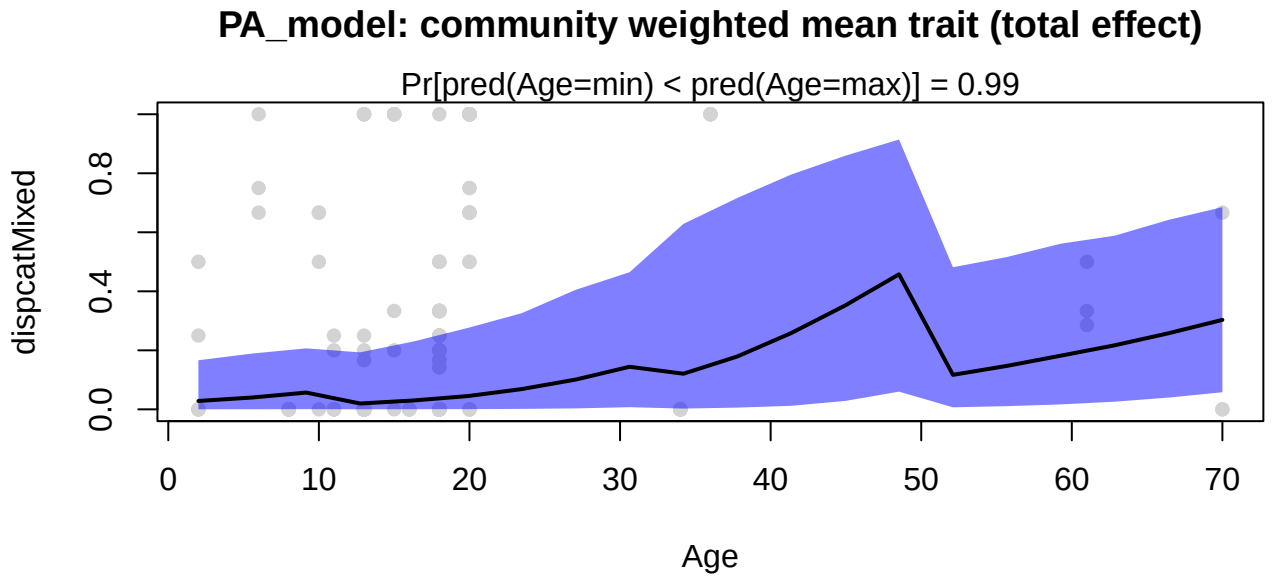

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.67
GrowthFormliana
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

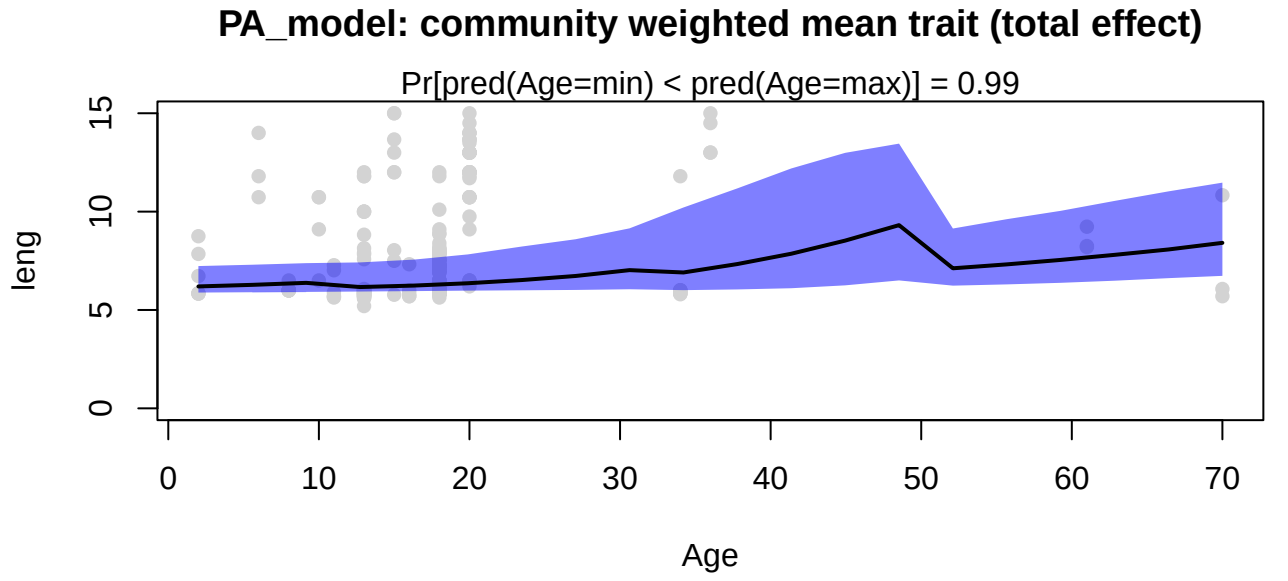

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.77
GrowthFormshrub
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

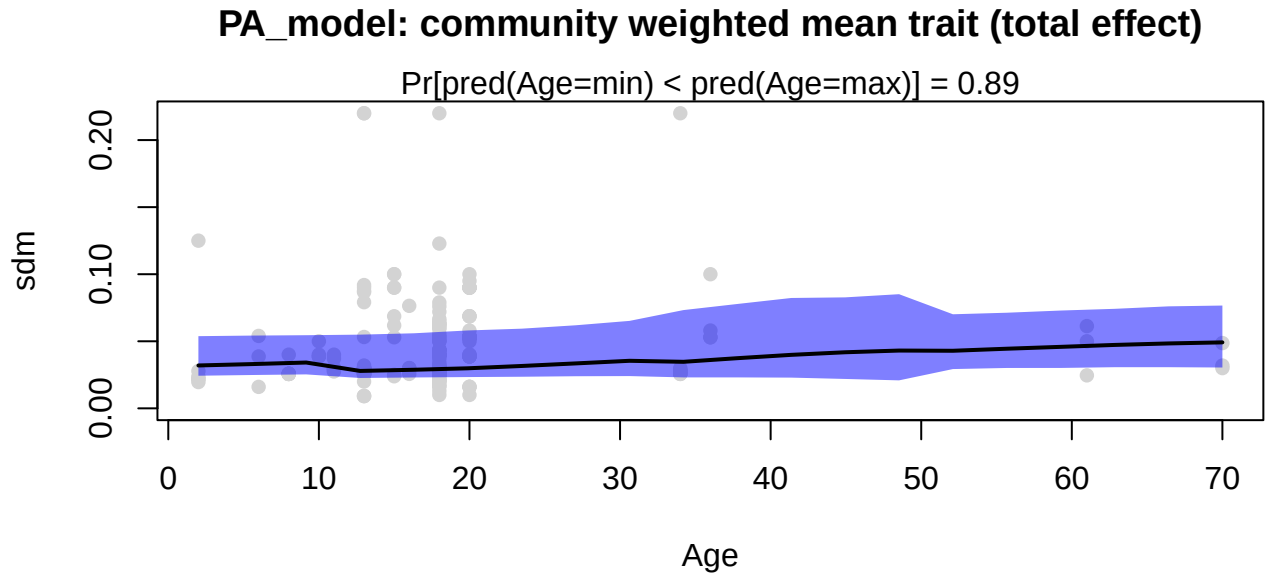

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.87
RootDepth
0.0
1.0
2.0
0
10
20
30
40
50
60
70
Age

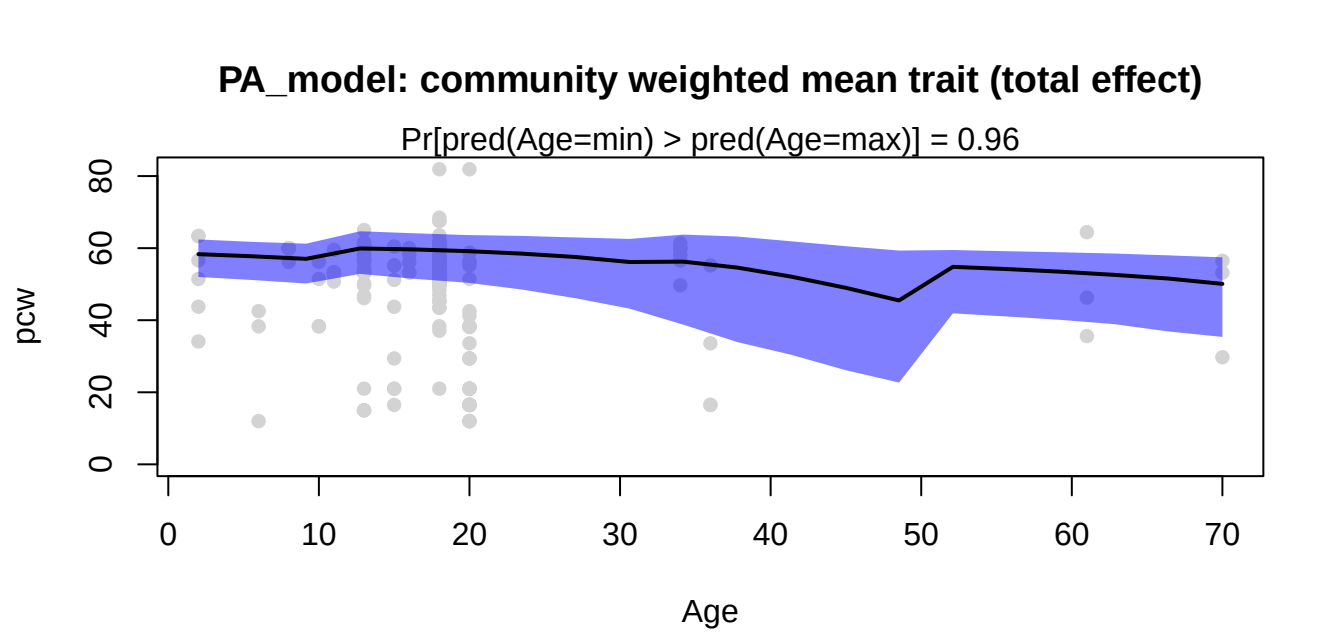

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.78
SLA
0
5
10
15
0
10
20
30
40
50
60
70
Age

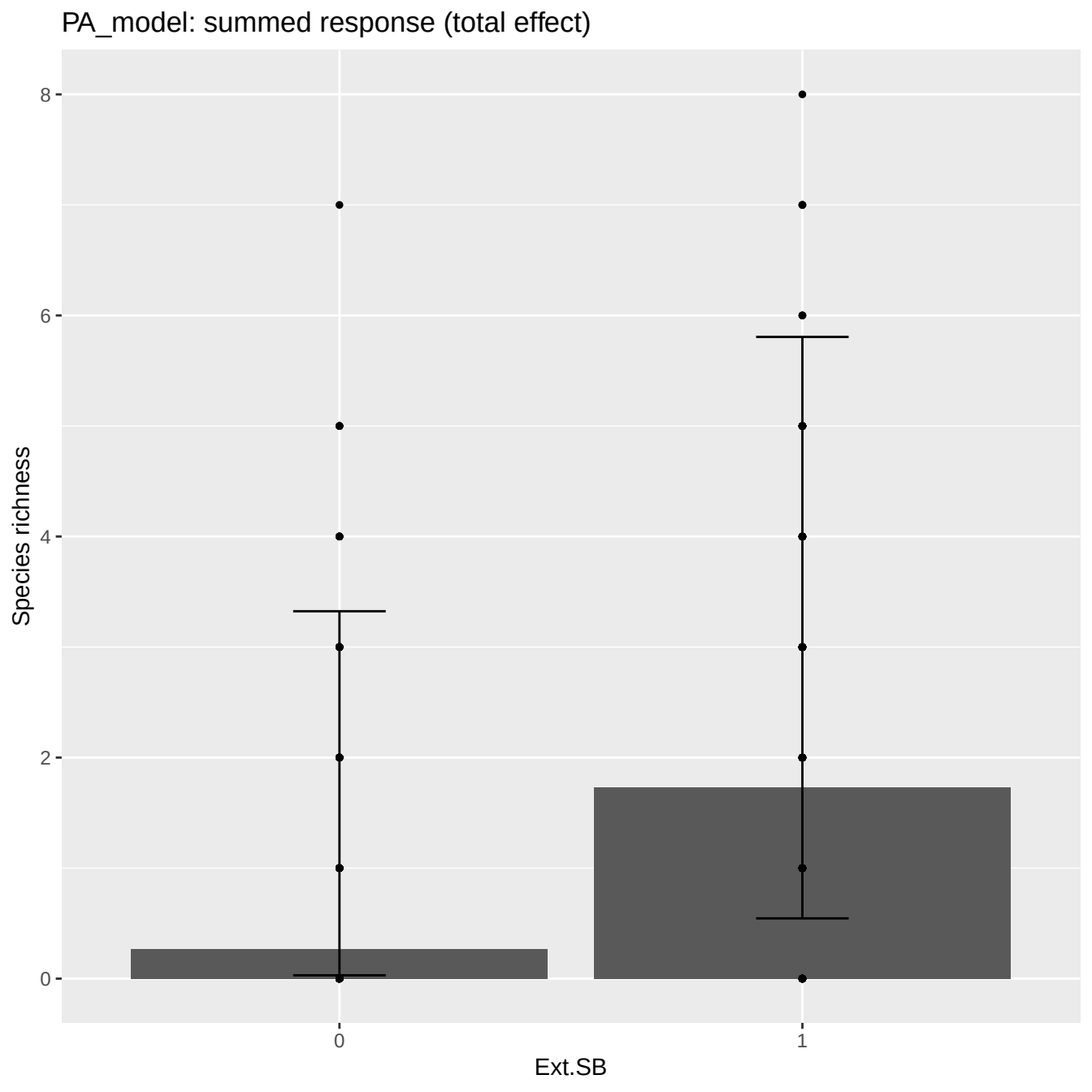

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.58
Sexual_Systemmonoecious
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

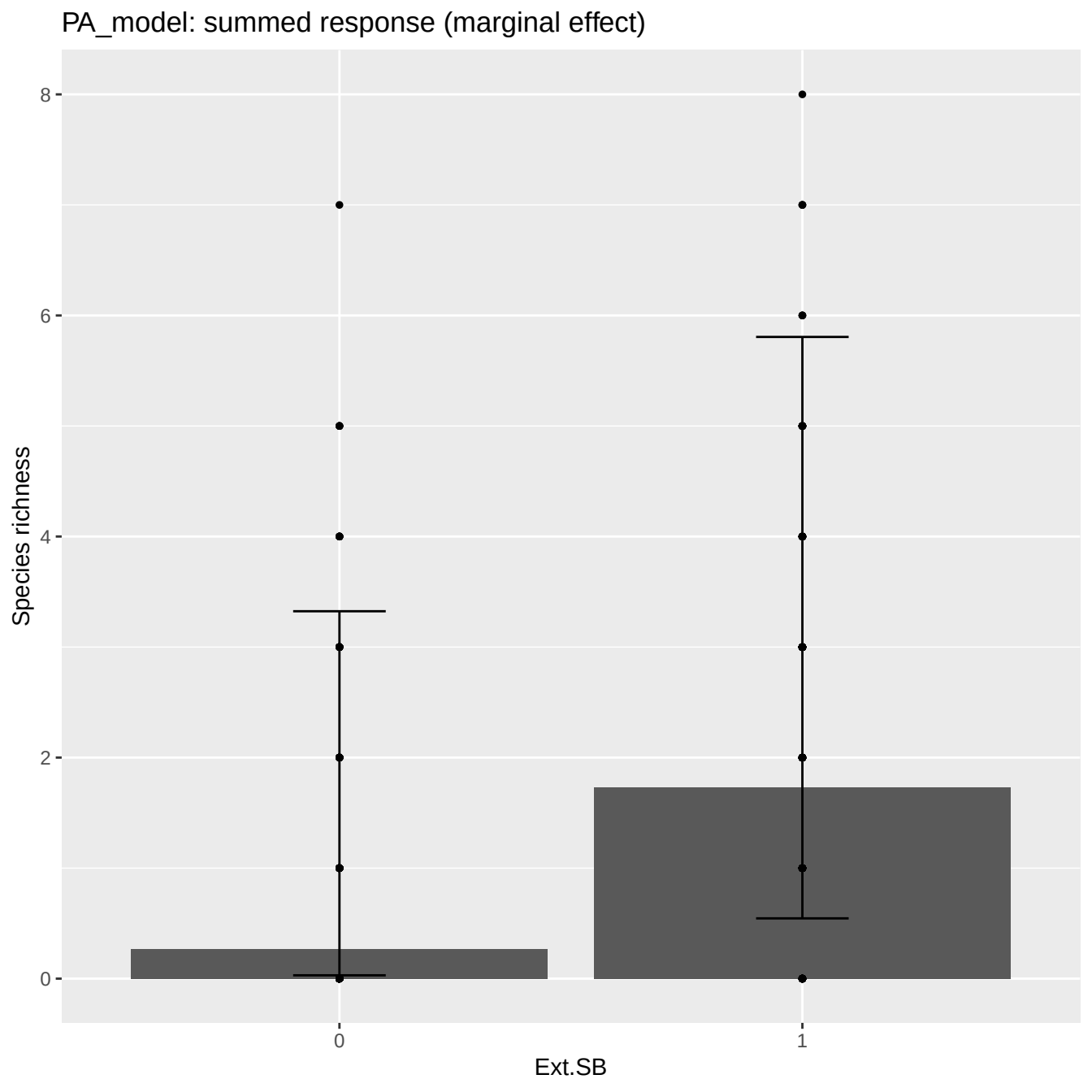

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.99
dispcatMixed
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

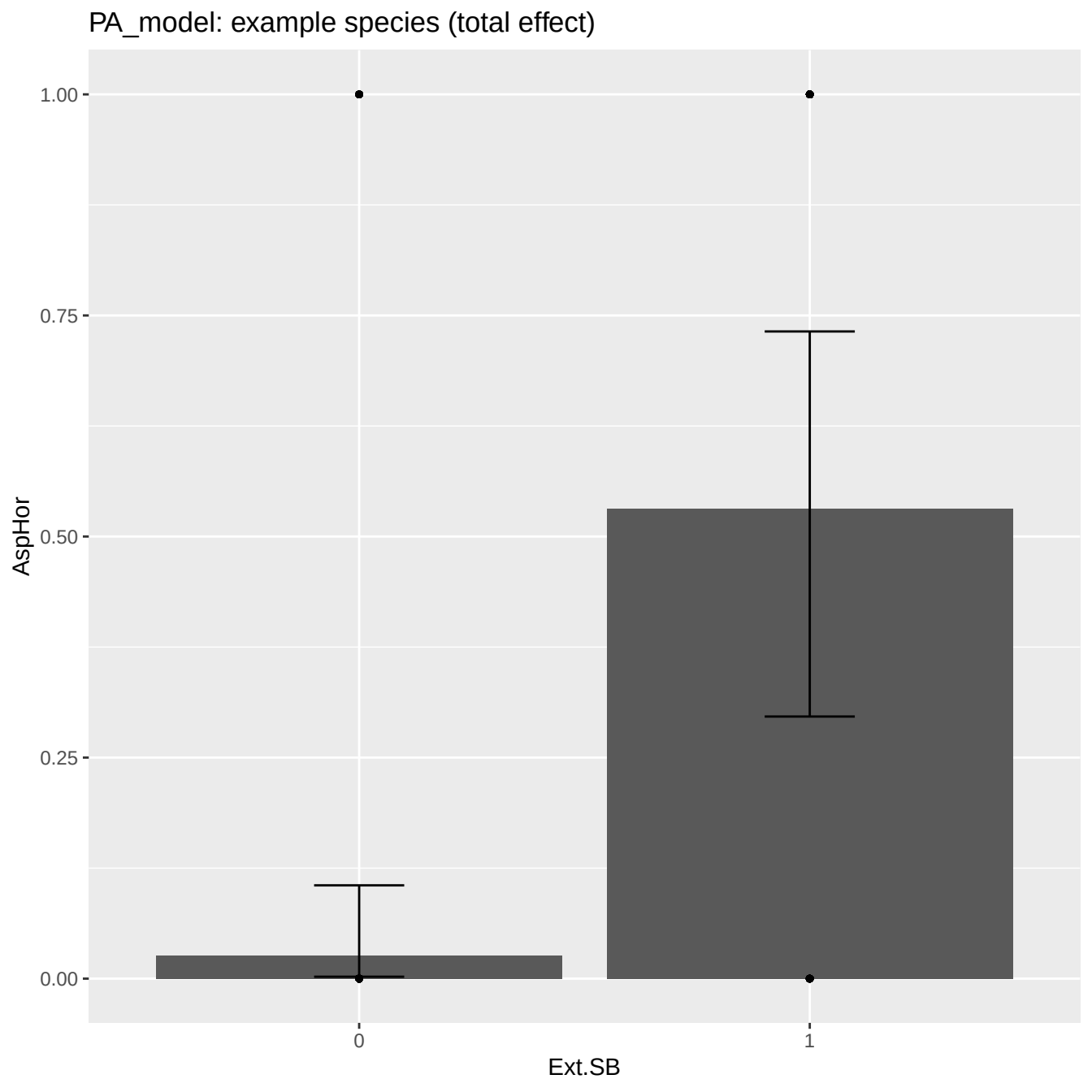

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.99
leng
0
5
10
15
0
10
20
30
40
50
60
70
Age

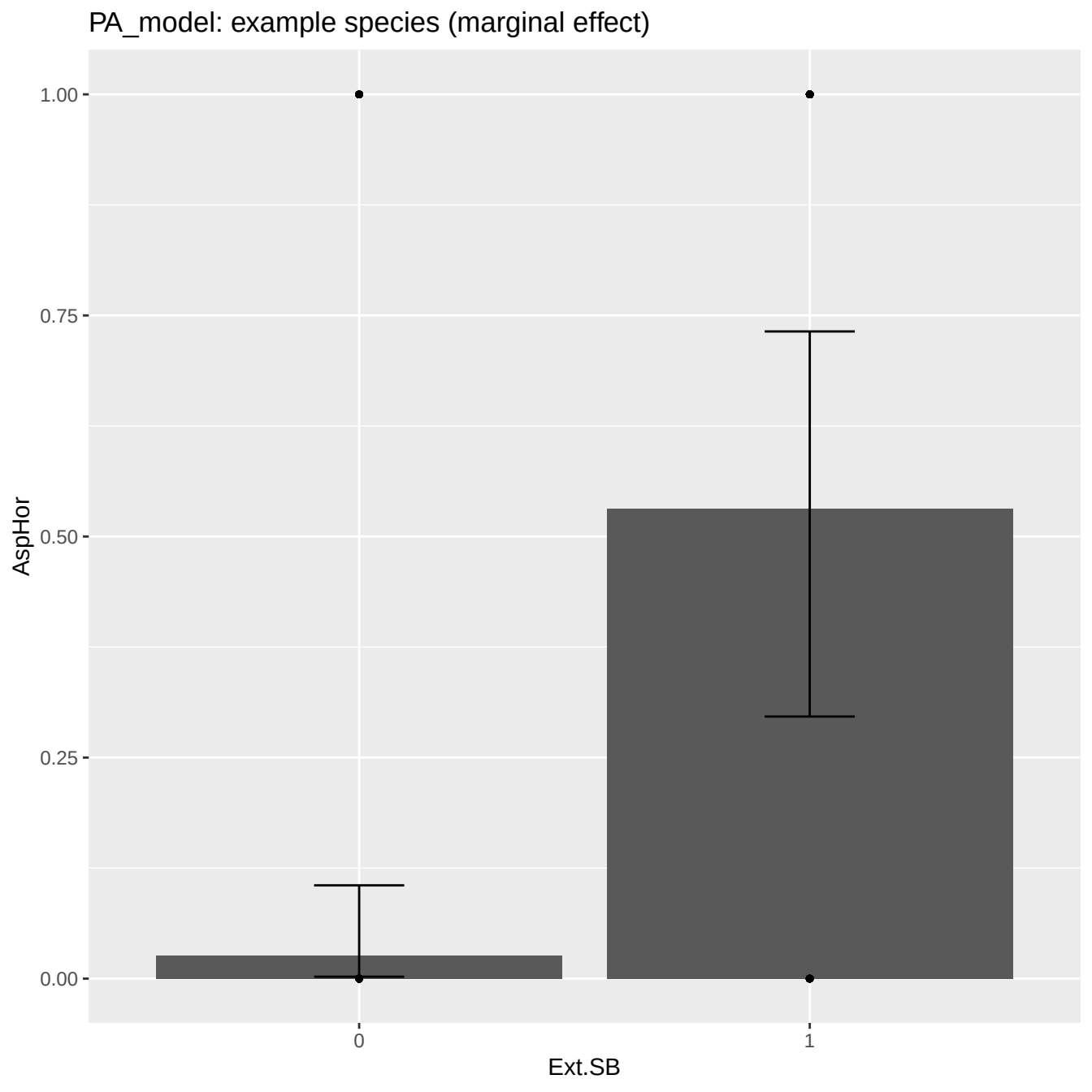

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.89
sdm
0.00
0.10
0.20
0
10
20
30
40
50
60
70
Age

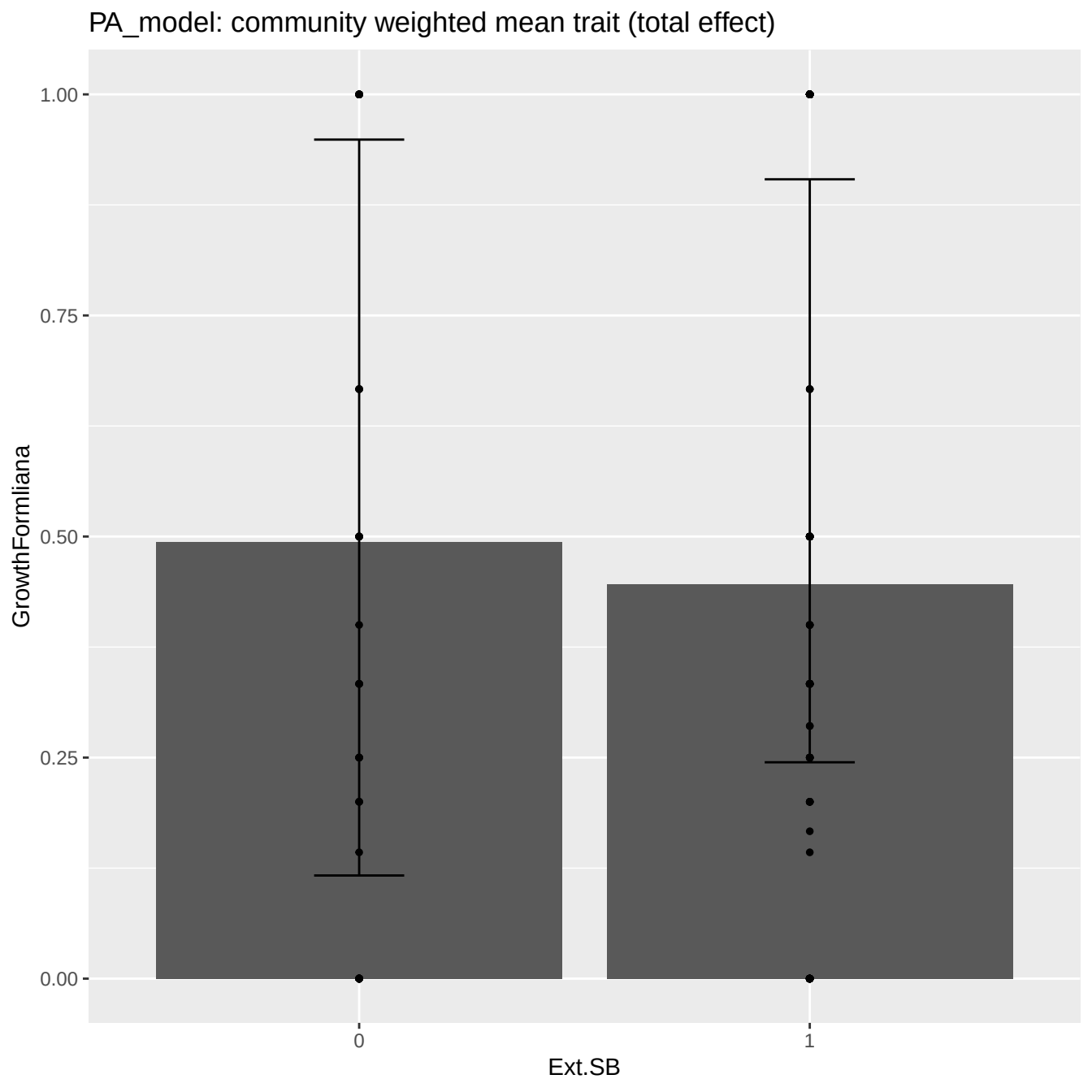

PA_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.96
pcw
0
20
40
60
80
0
10
20
30
40
50
60
70
Age

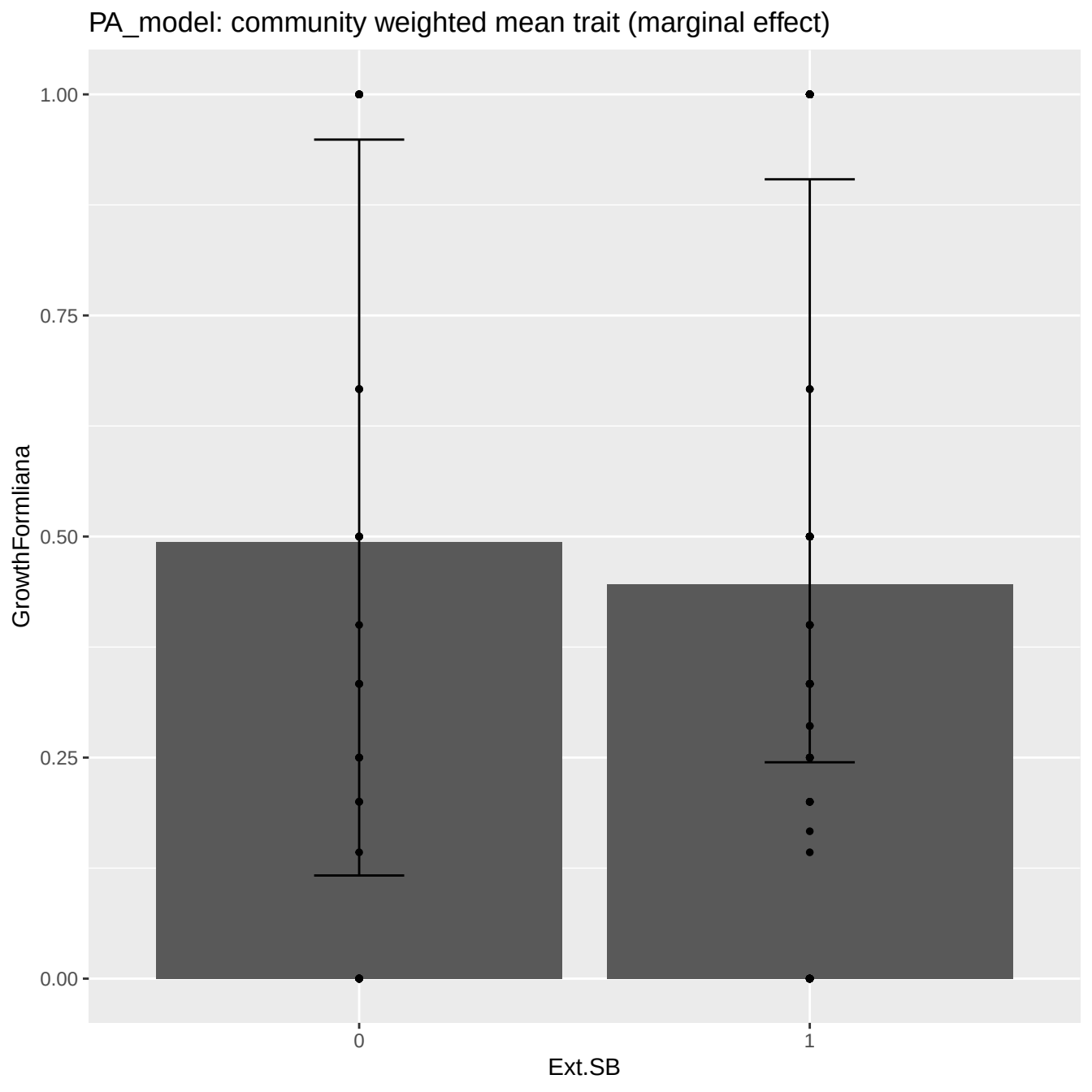

PA_model: summed response (total effect)
Species richness
8
6
4
2
0
0
1
Ext.SB

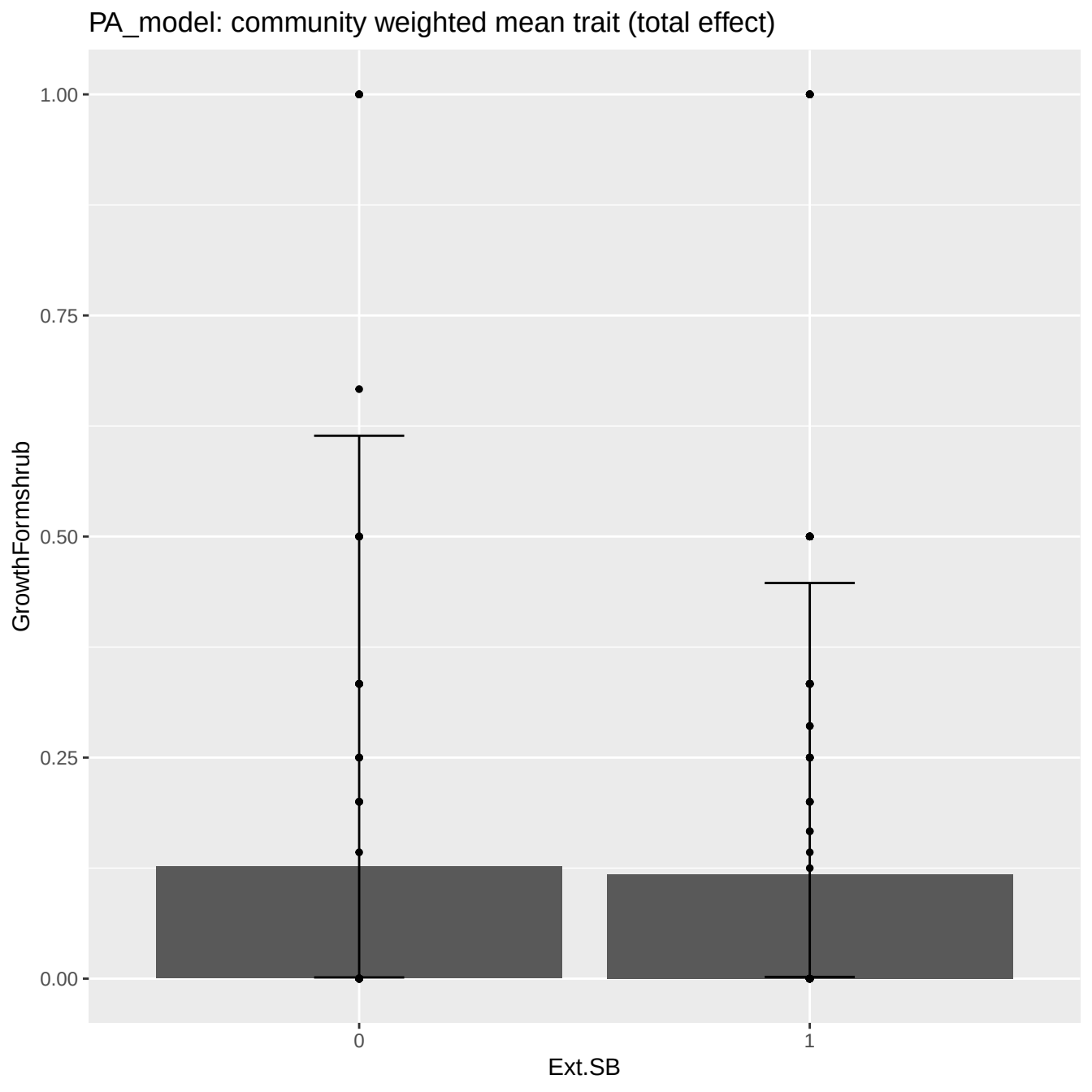

PA_model: summed response (marginal effect)
Species richness
8
6
4
2
0
0
1
Ext.SB

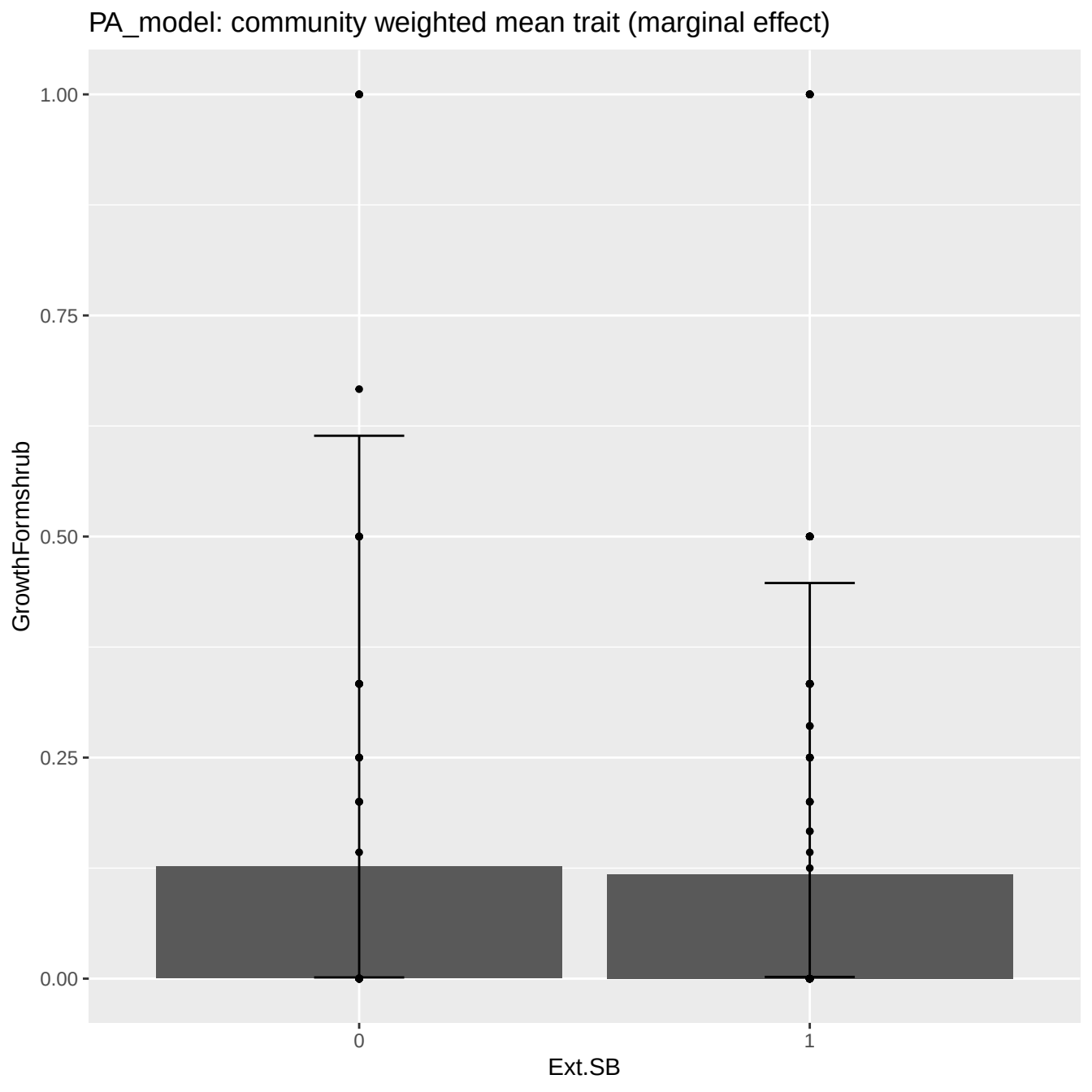

PA_model: example species (total effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Ext.SB

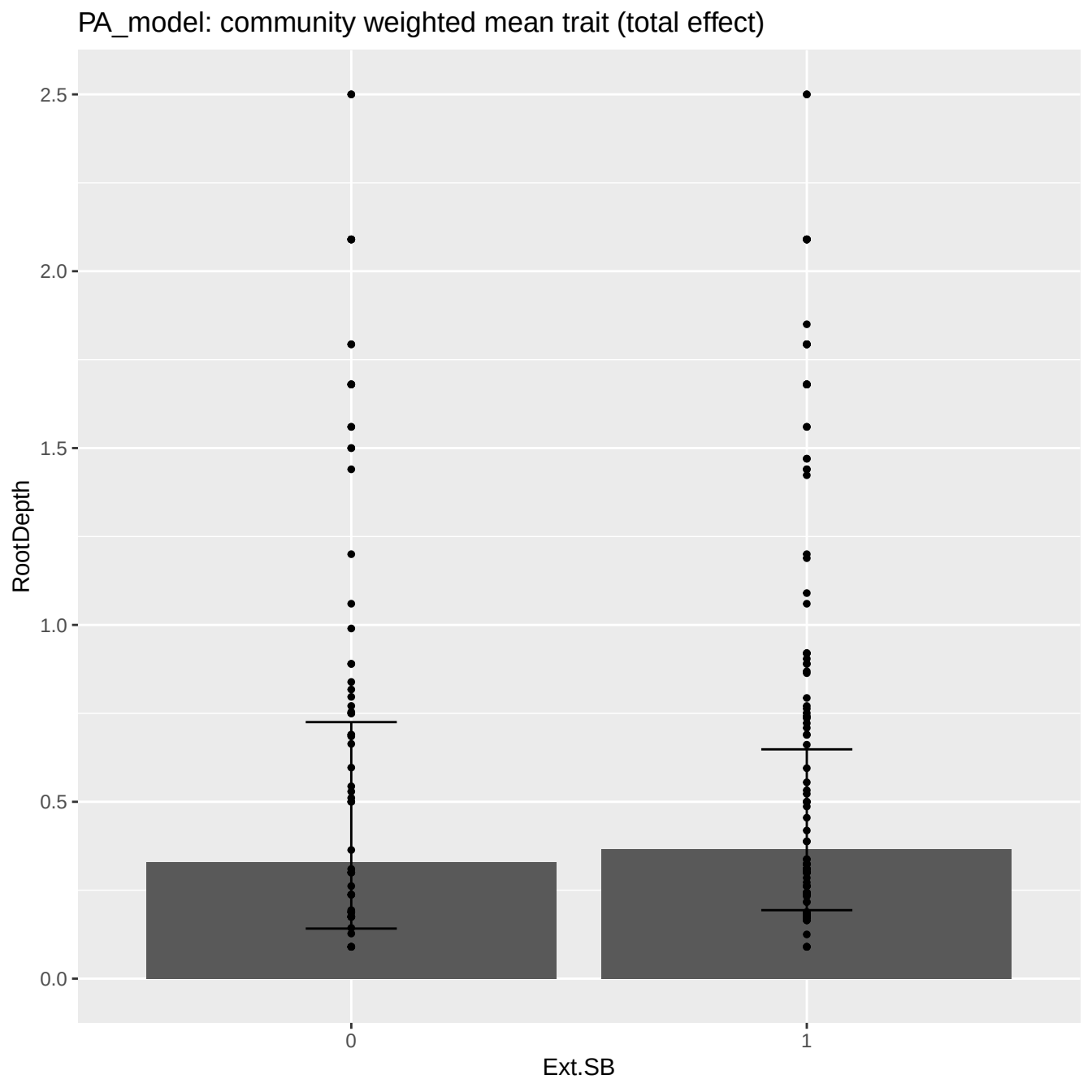

PA_model: example species (marginal effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Ext.SB

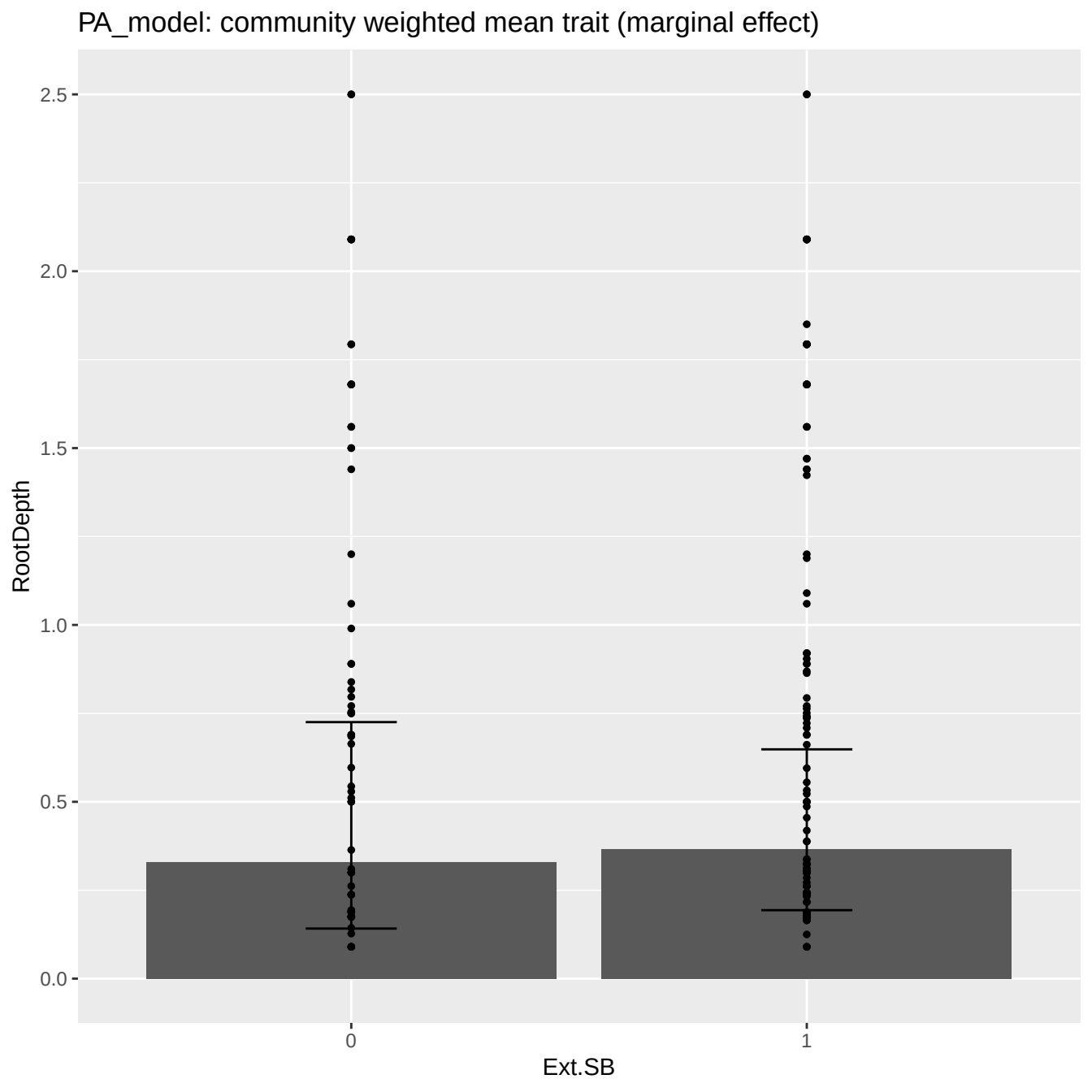

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Ext.SB

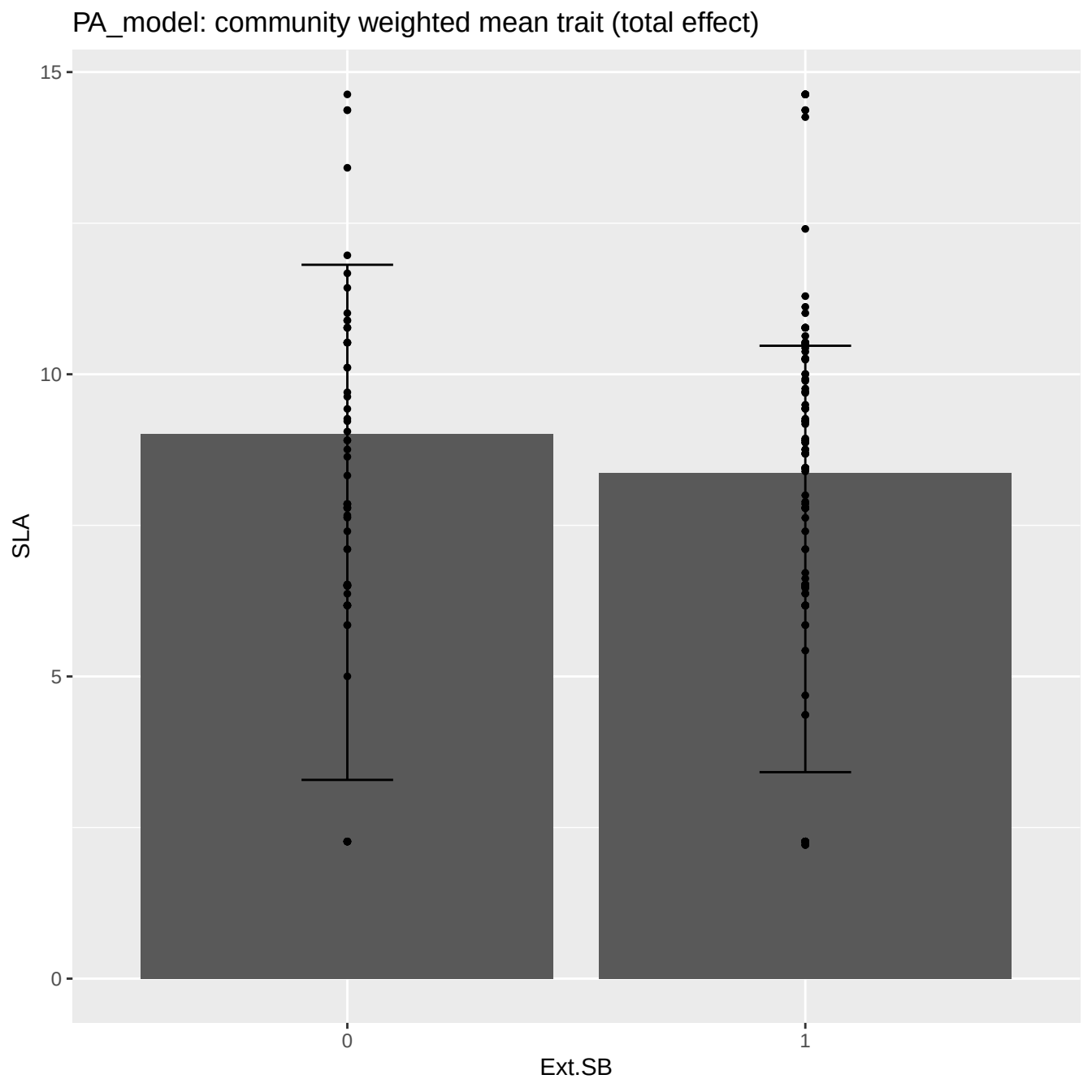

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Ext.SB

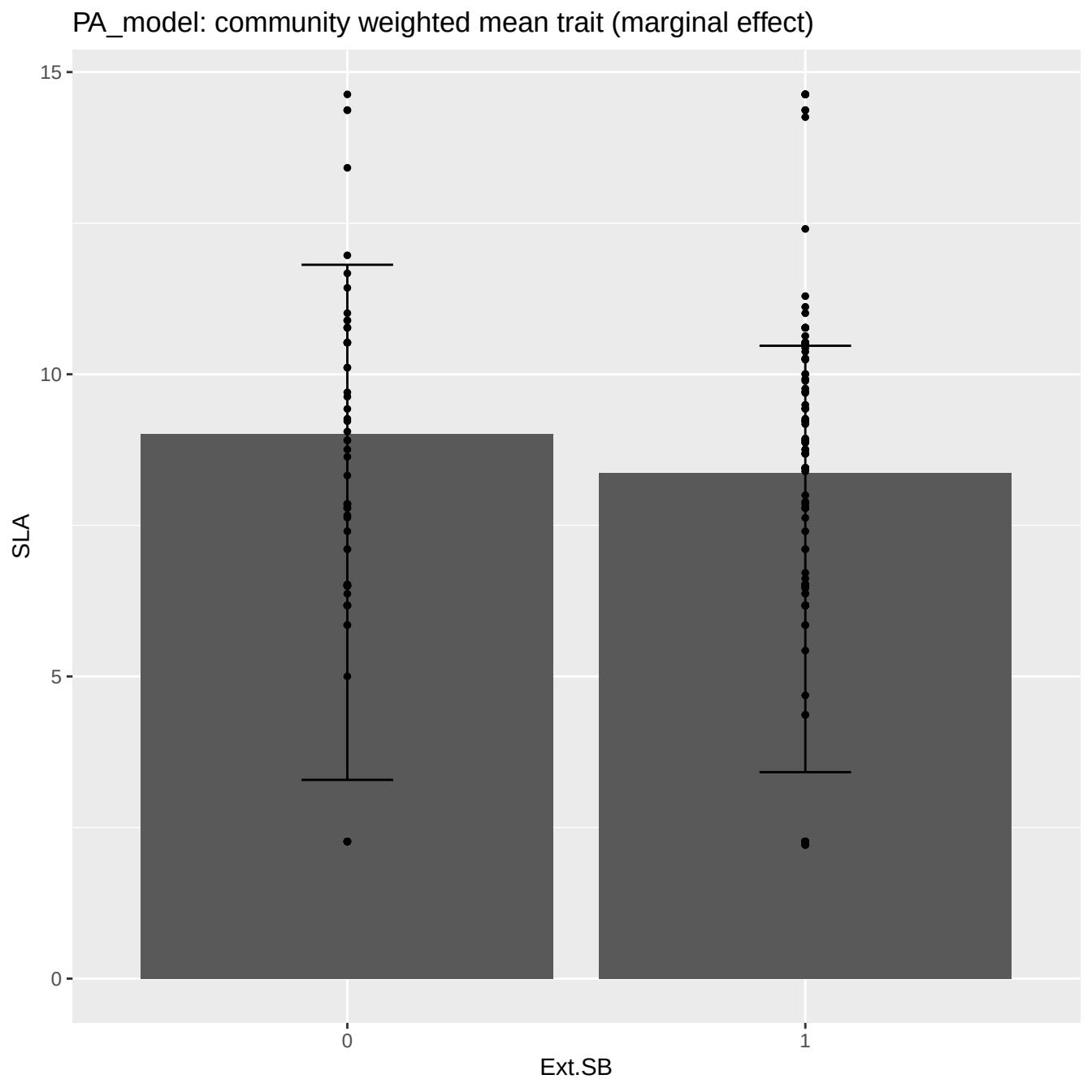

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Ext.SB

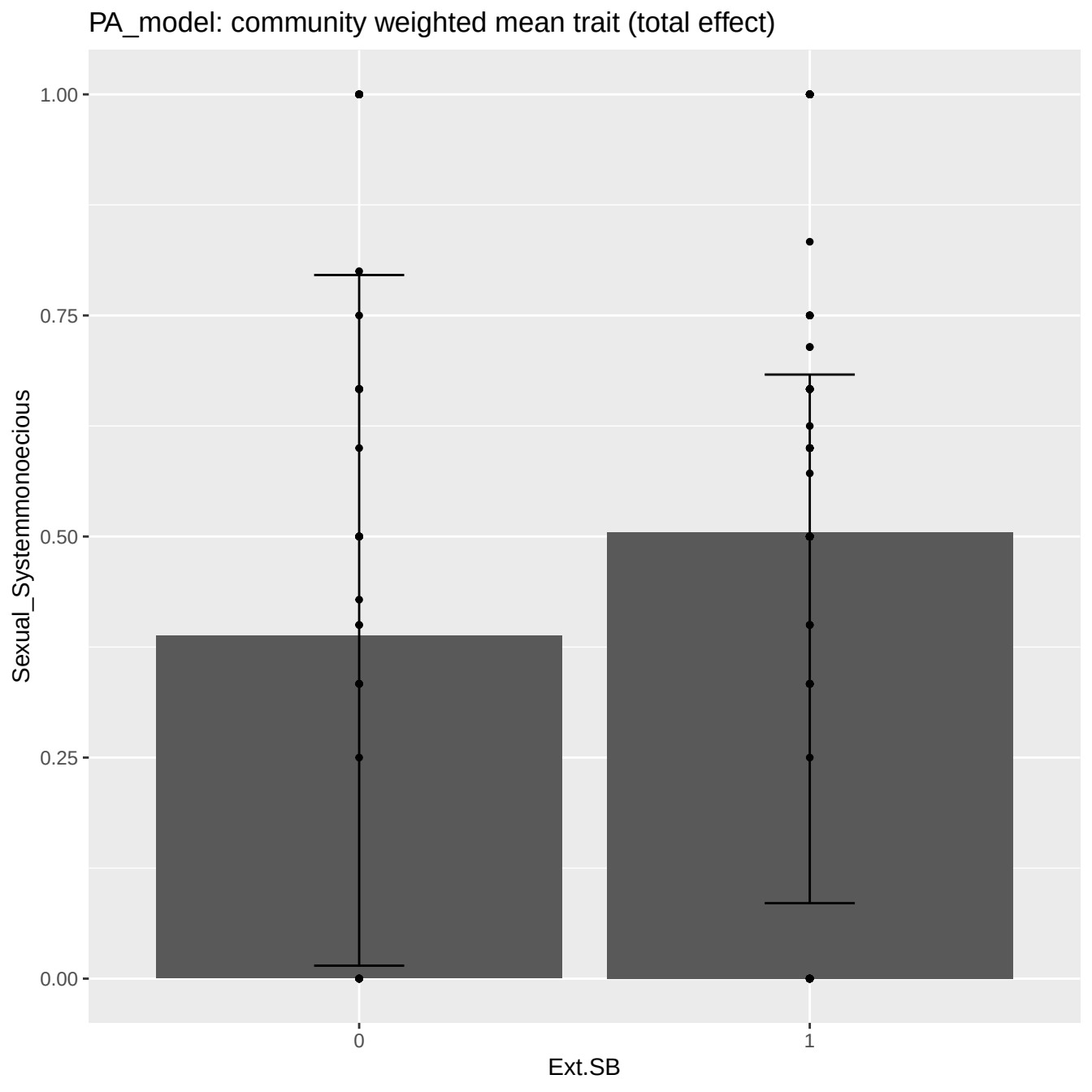

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Ext.SB

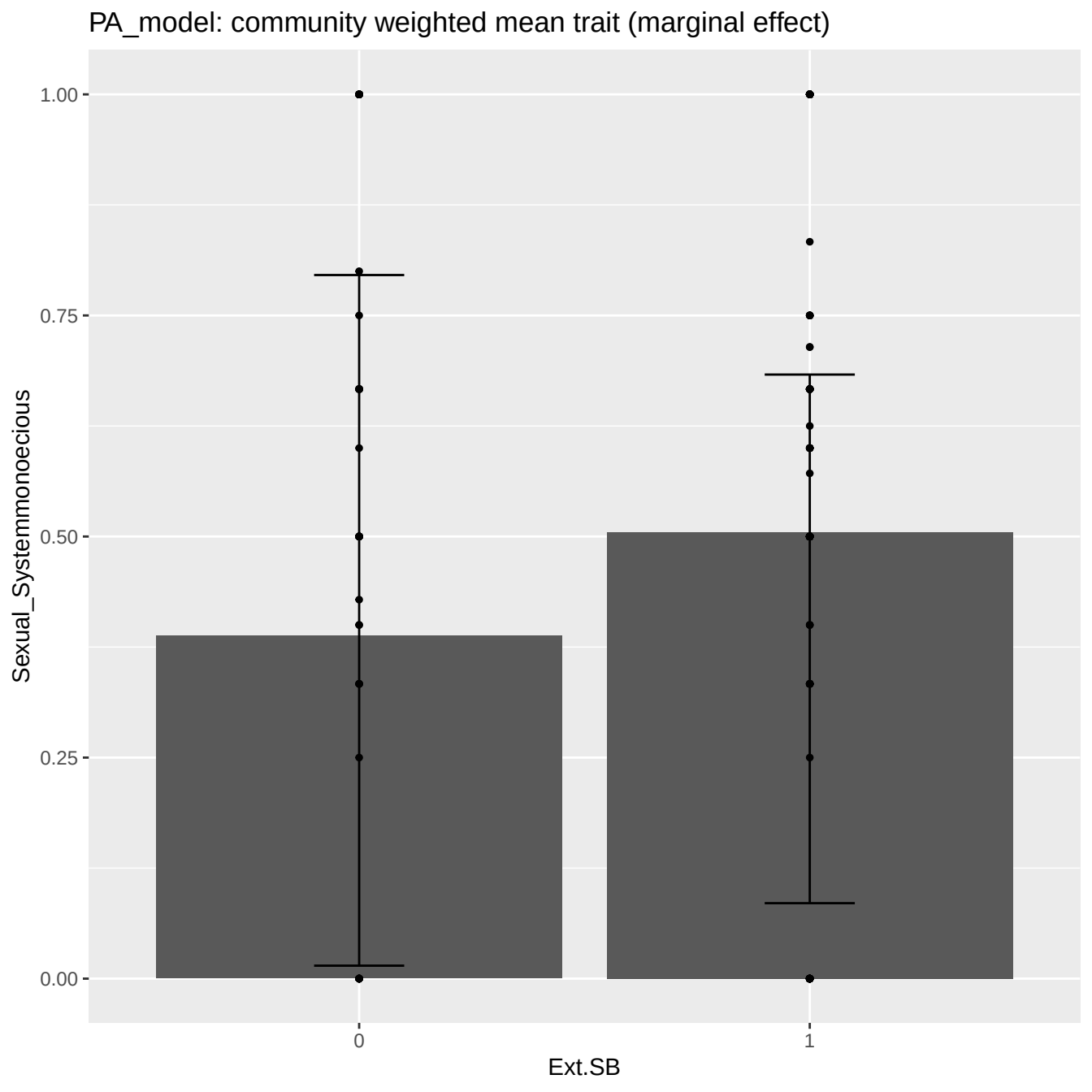

PA_model: community weighted mean trait (total effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Ext.SB

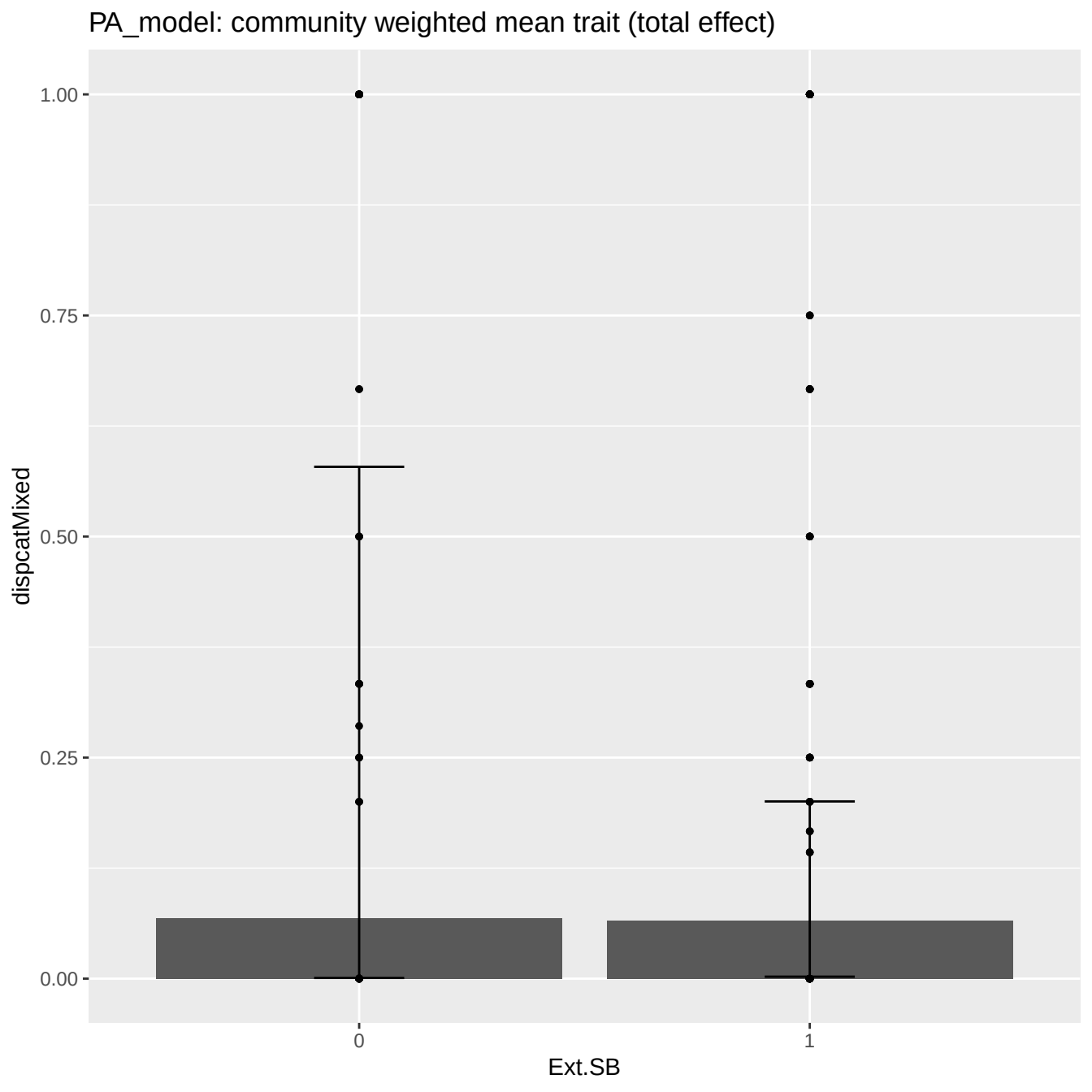

PA_model: community weighted mean trait (marginal effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Ext.SB

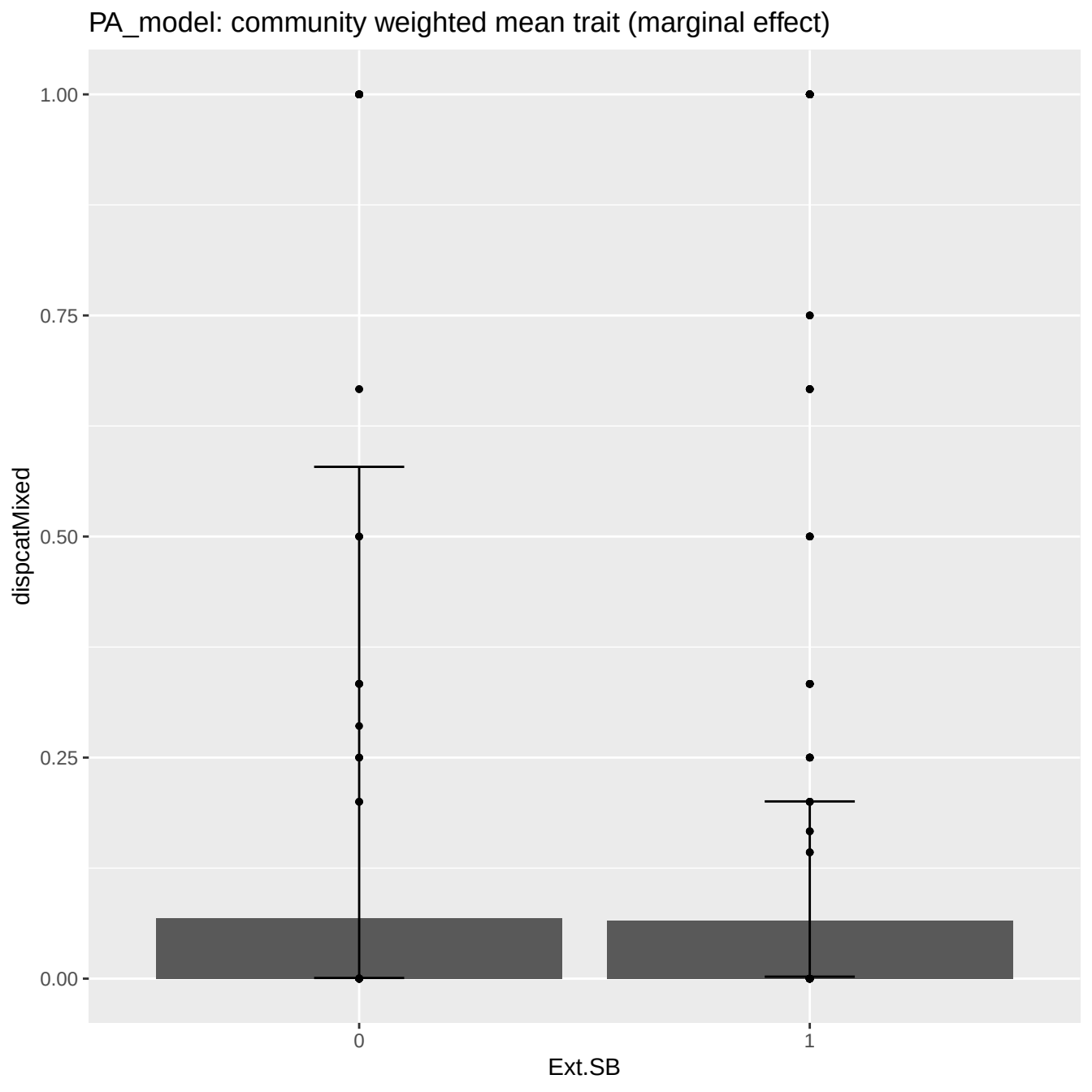

PA_model: community weighted mean trait (total effect)
15
10
5
0
SLA
0
1
Ext.SB

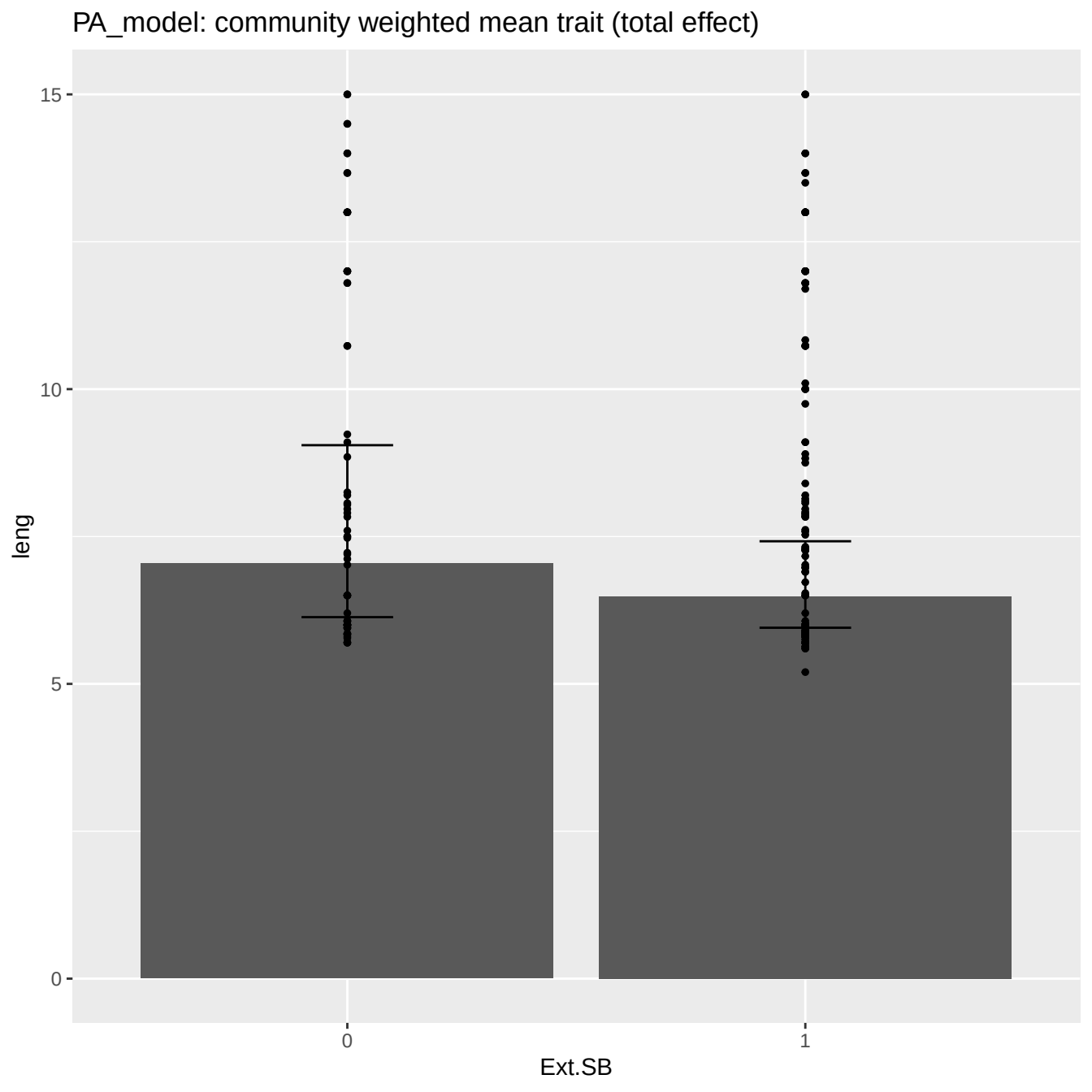

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
SLA
0
1
Ext.SB

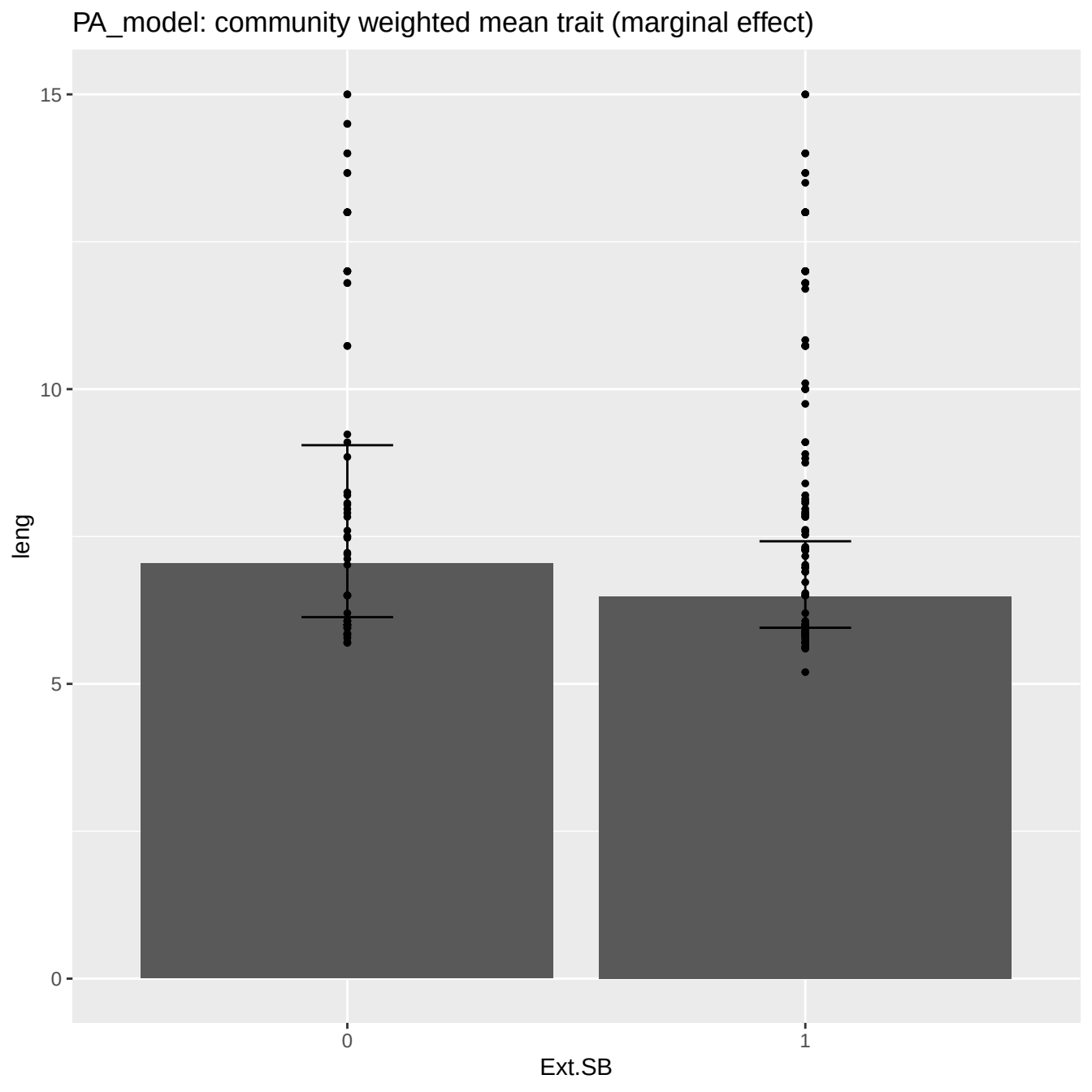

PA_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
1.00
0.75
0.50
0.25
0.00
0
1
Ext.SB

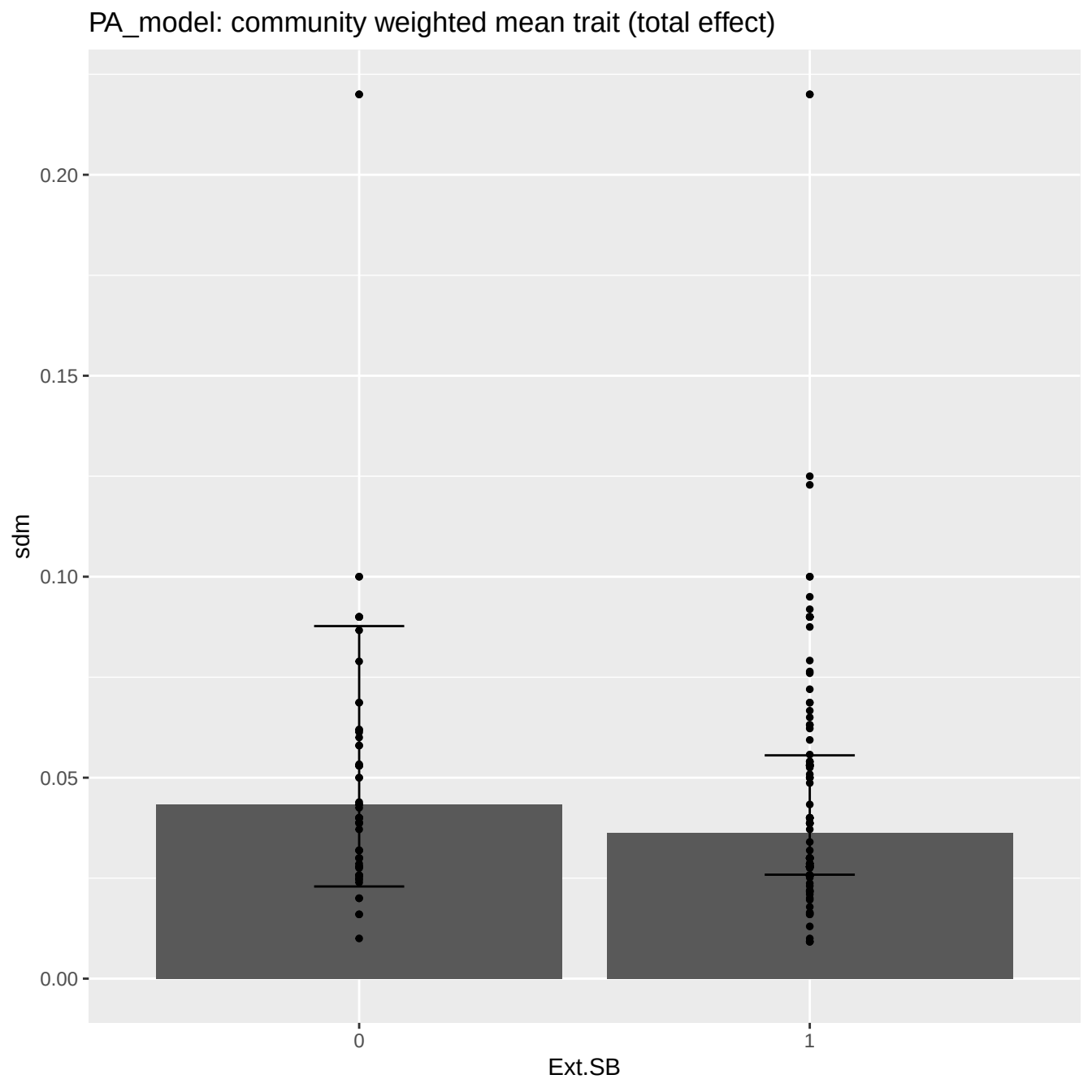

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Ext.SB

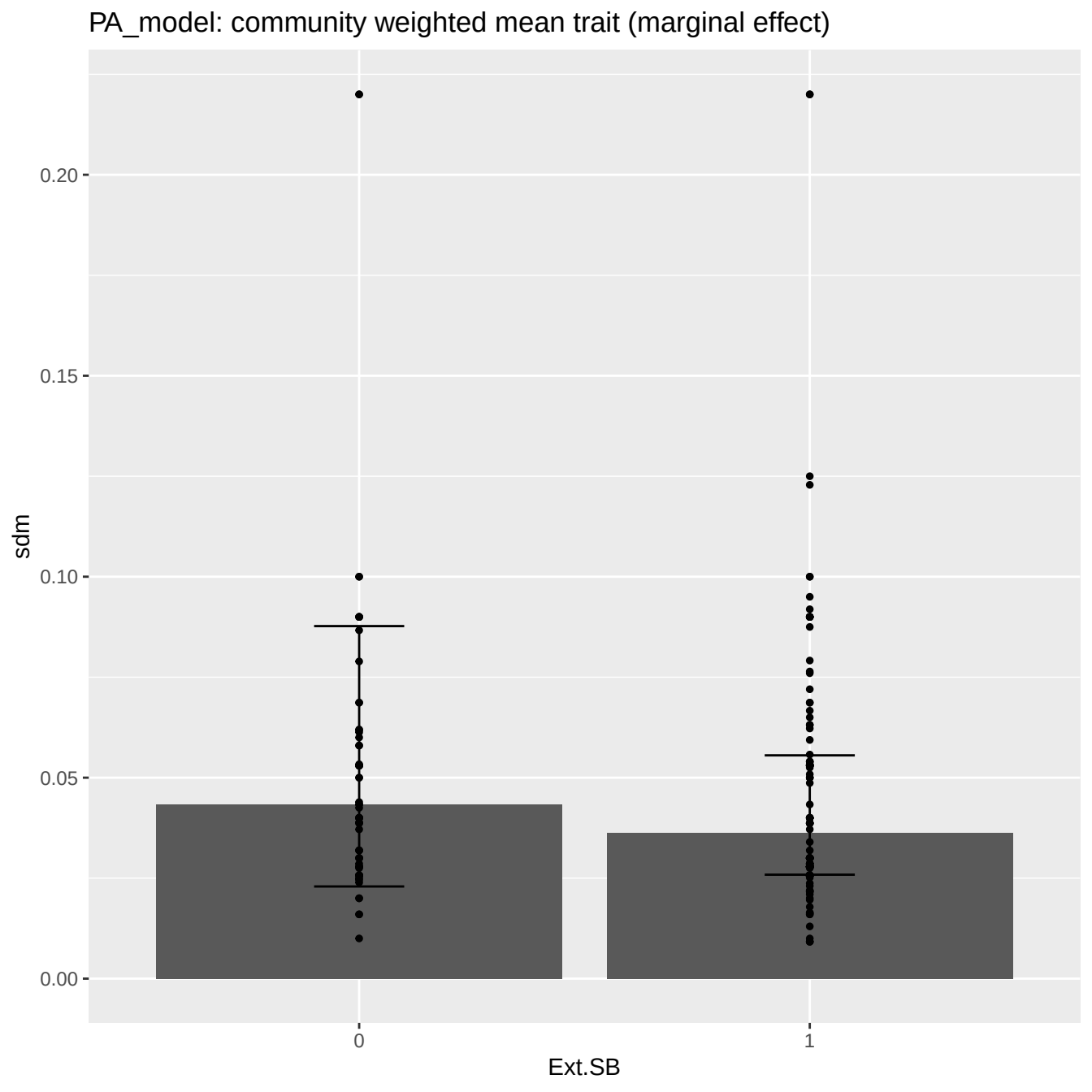

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Ext.SB

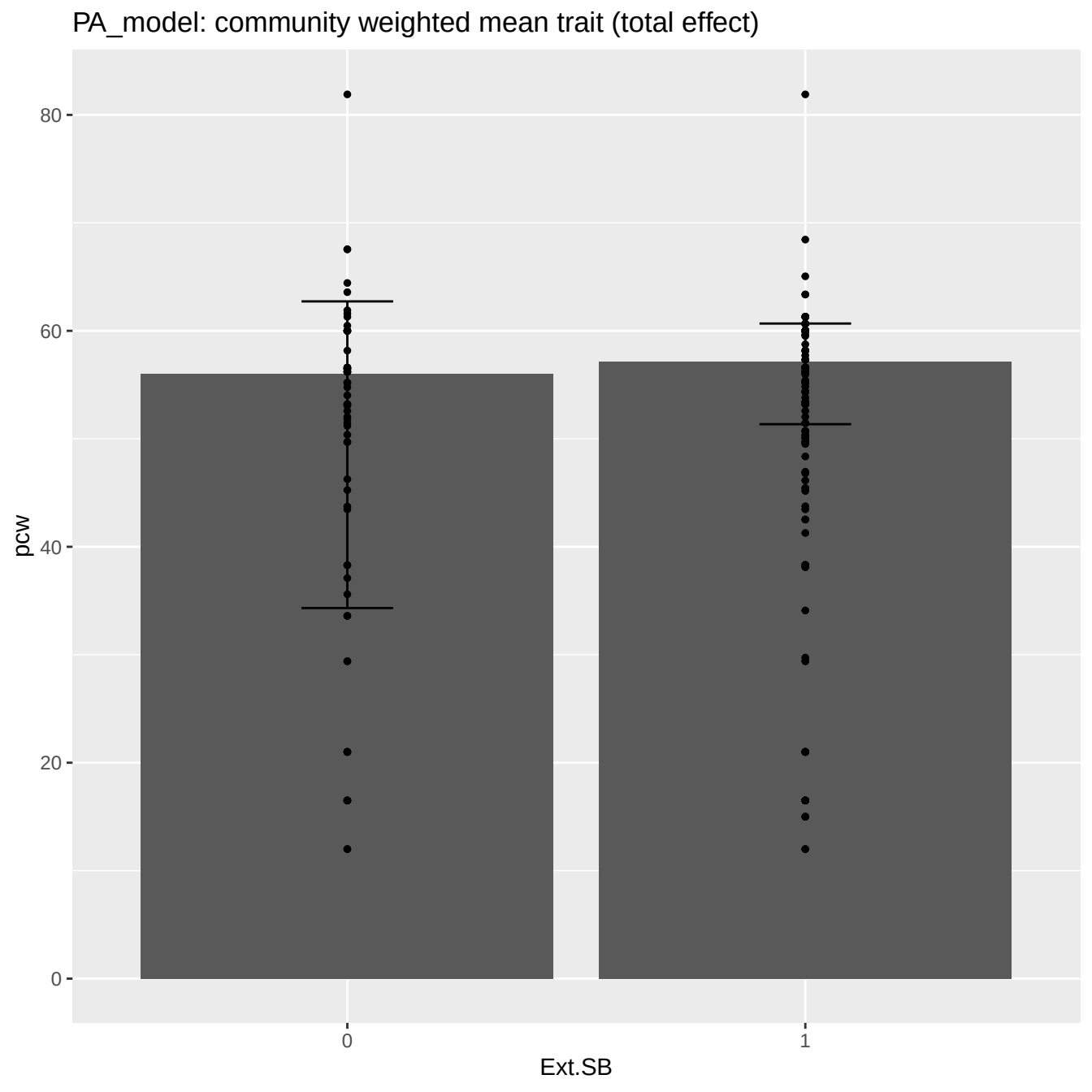

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Ext.SB

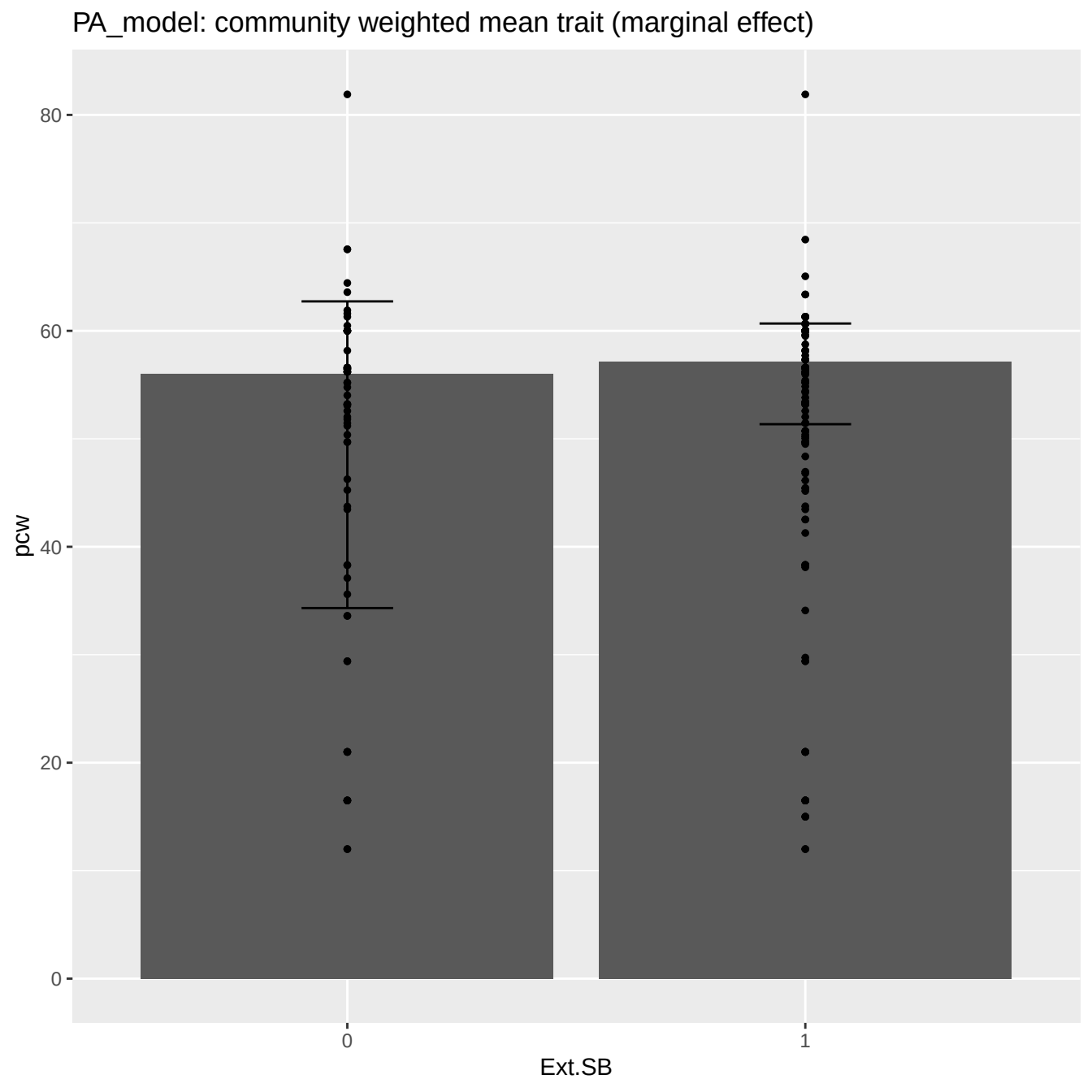

PA_model: community weighted mean trait (total effect)
15
10
5
0
leng
0
1
Ext.SB

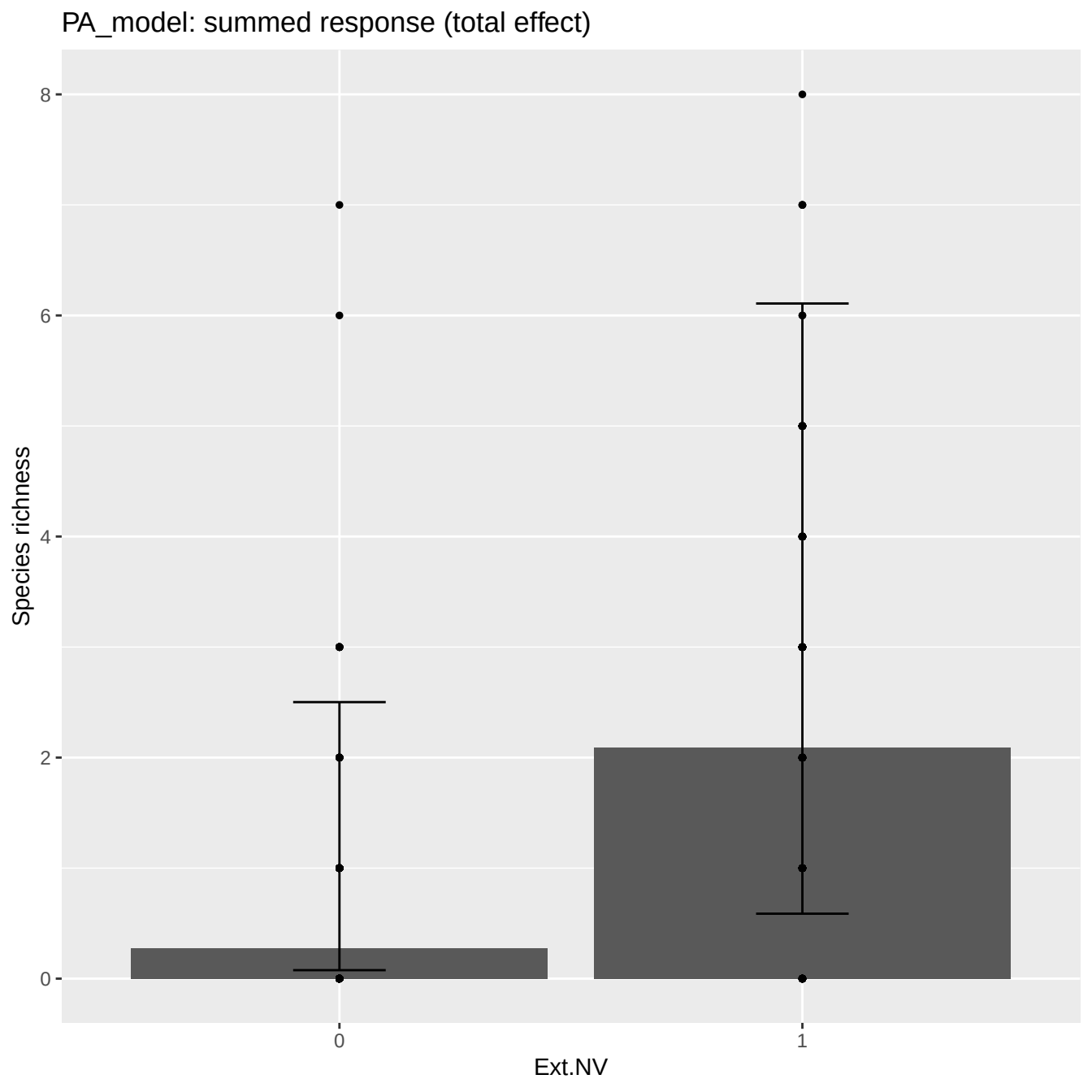

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
leng
0
1
Ext.SB

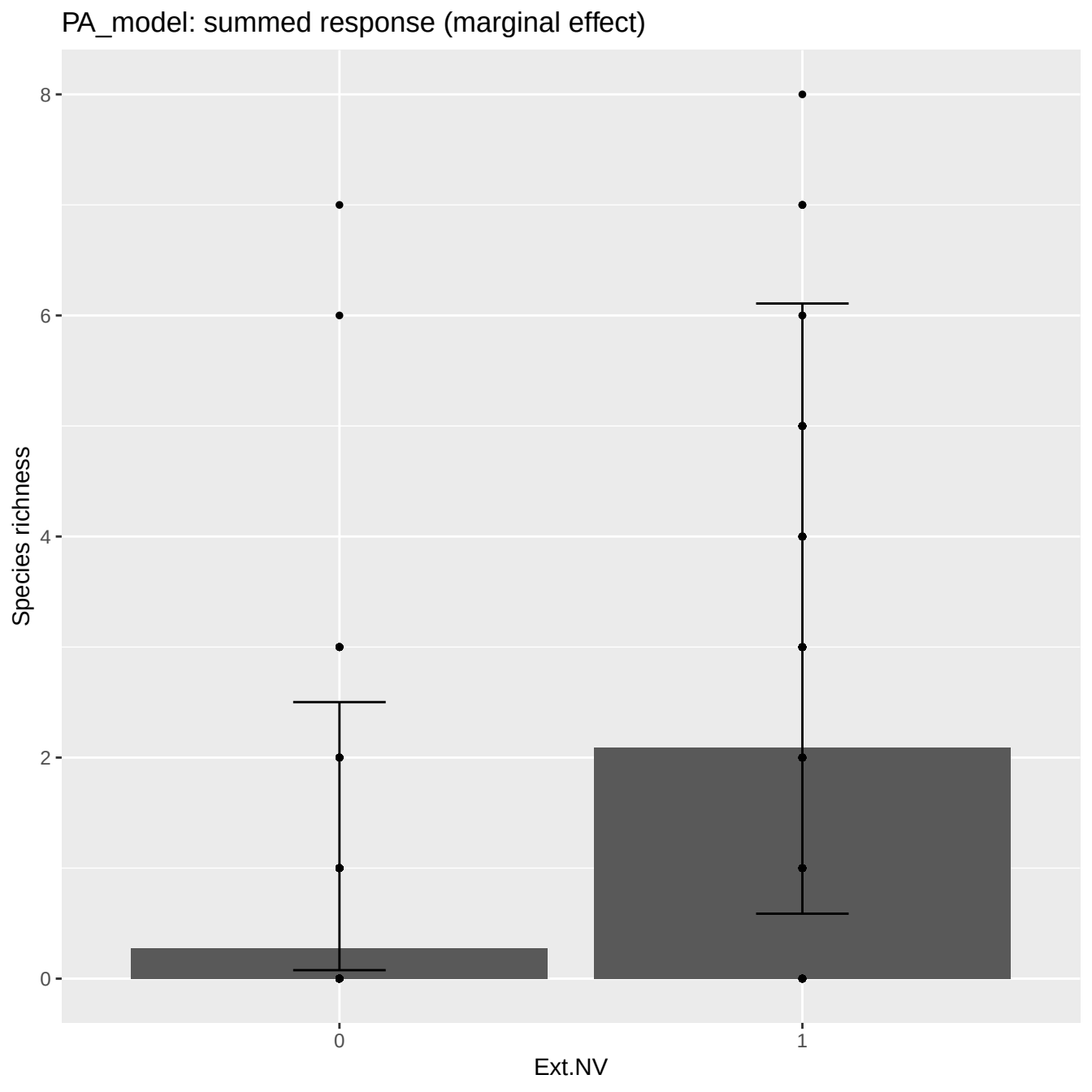

PA_model: community weighted mean trait (total effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Ext.SB

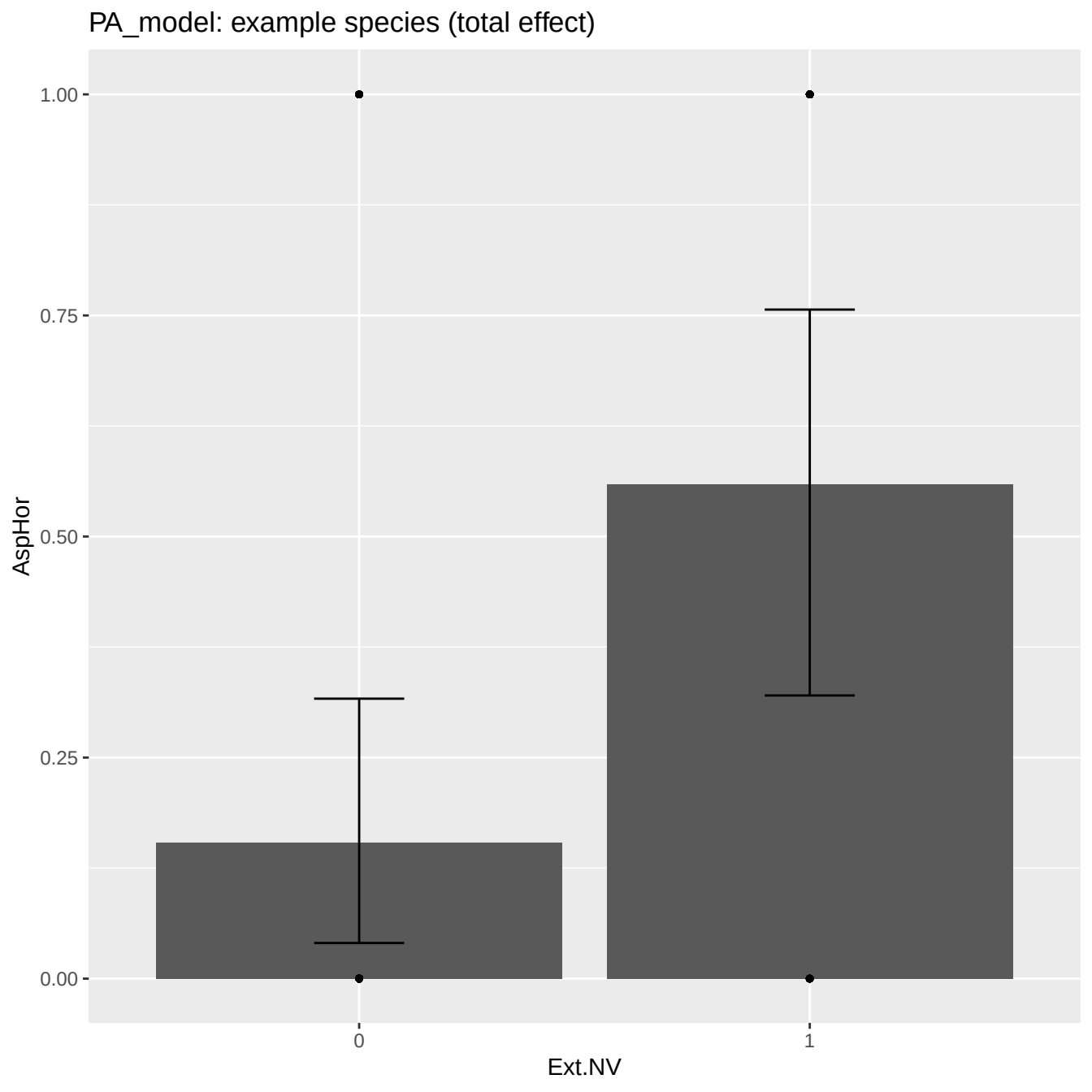

PA_model: community weighted mean trait (marginal effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Ext.SB

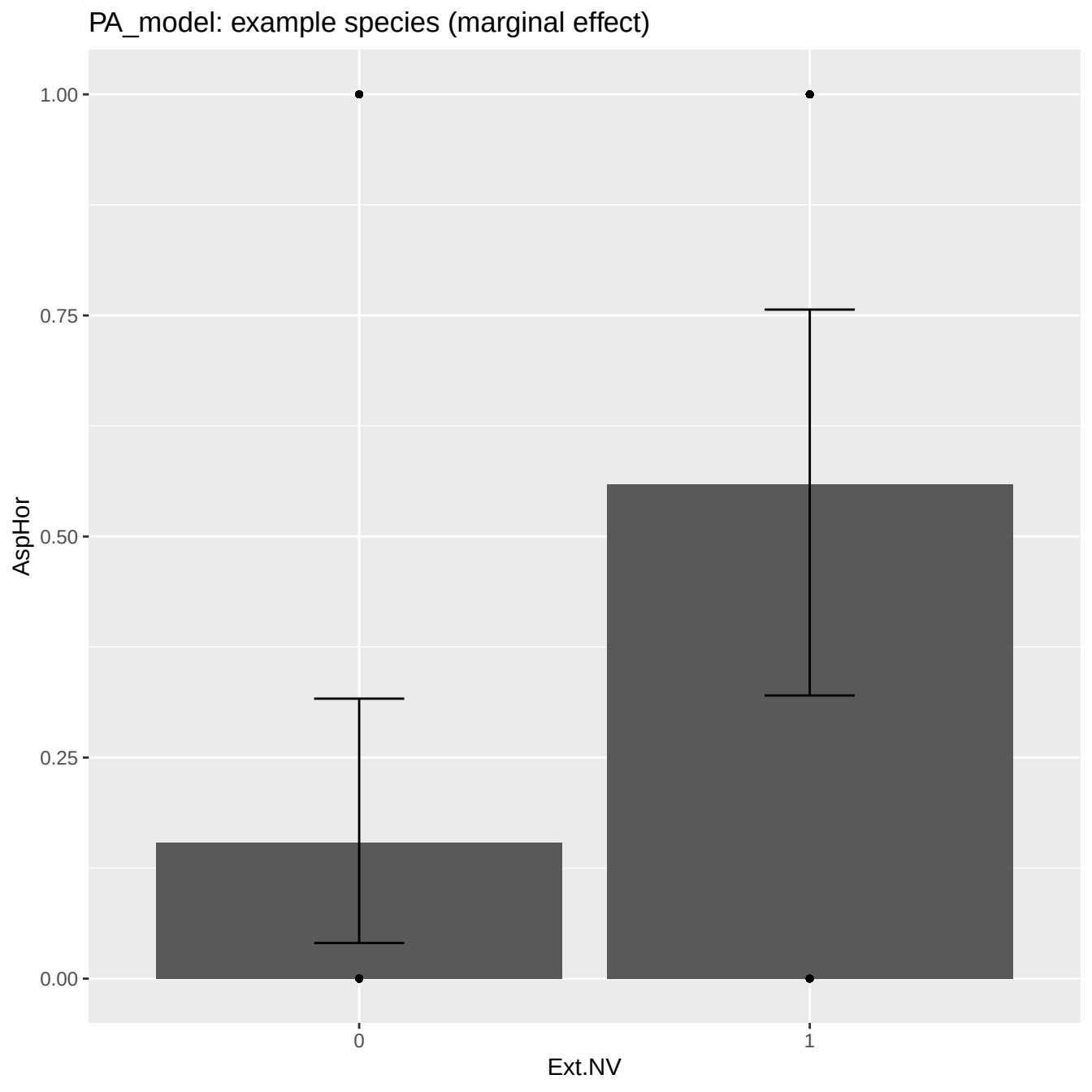

PA_model: community weighted mean trait (total effect)
80
60
40
20
0
pcw
0
1
Ext.SB

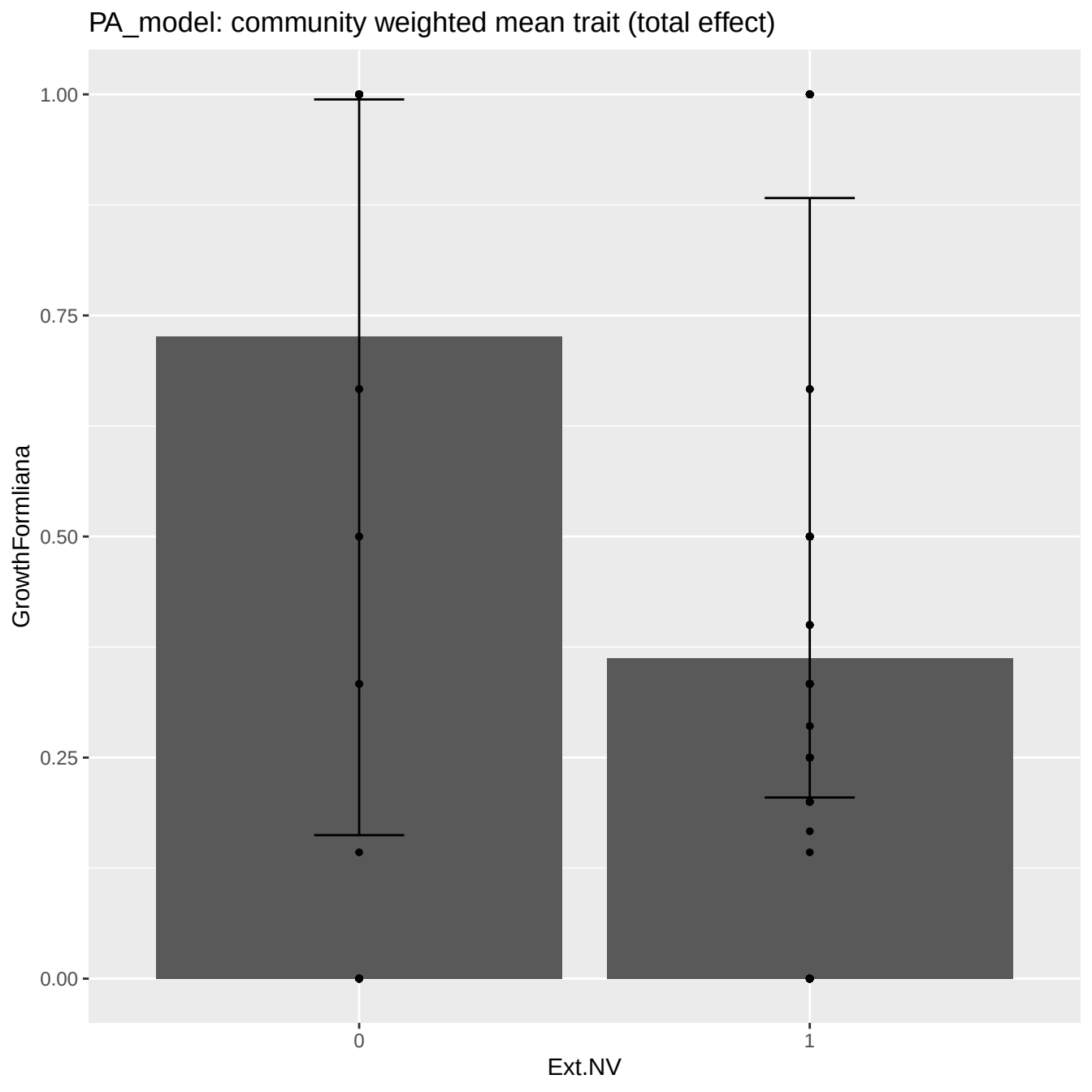

PA_model: community weighted mean trait (marginal effect)
80
60
40
20
0
pcw
0
1
Ext.SB

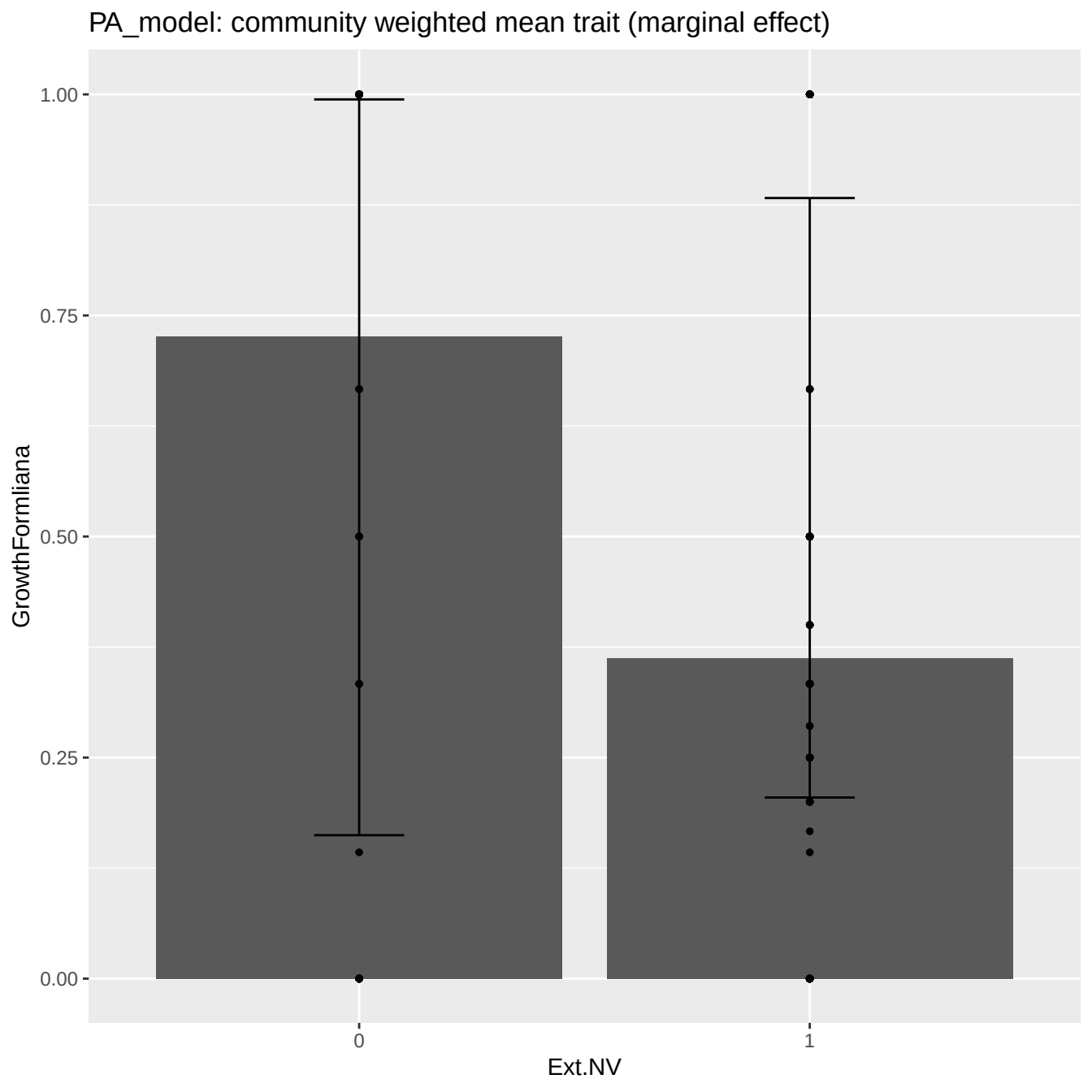

PA_model: summed response (total effect)
Species richness
8
6
4
2
0
0
1
Ext.NV

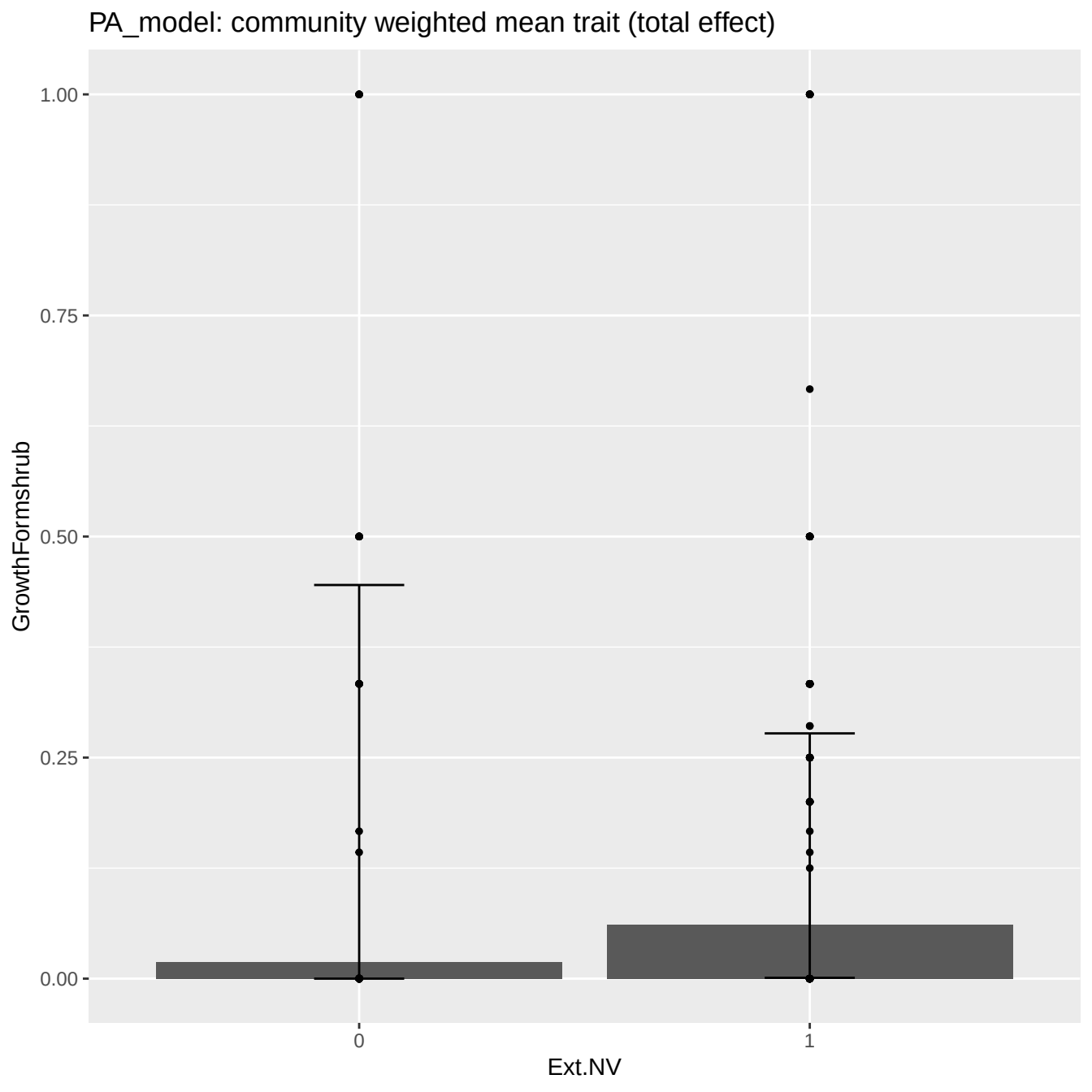

PA_model: summed response (marginal effect)
Species richness
8
6
4
2
0
0
1
Ext.NV

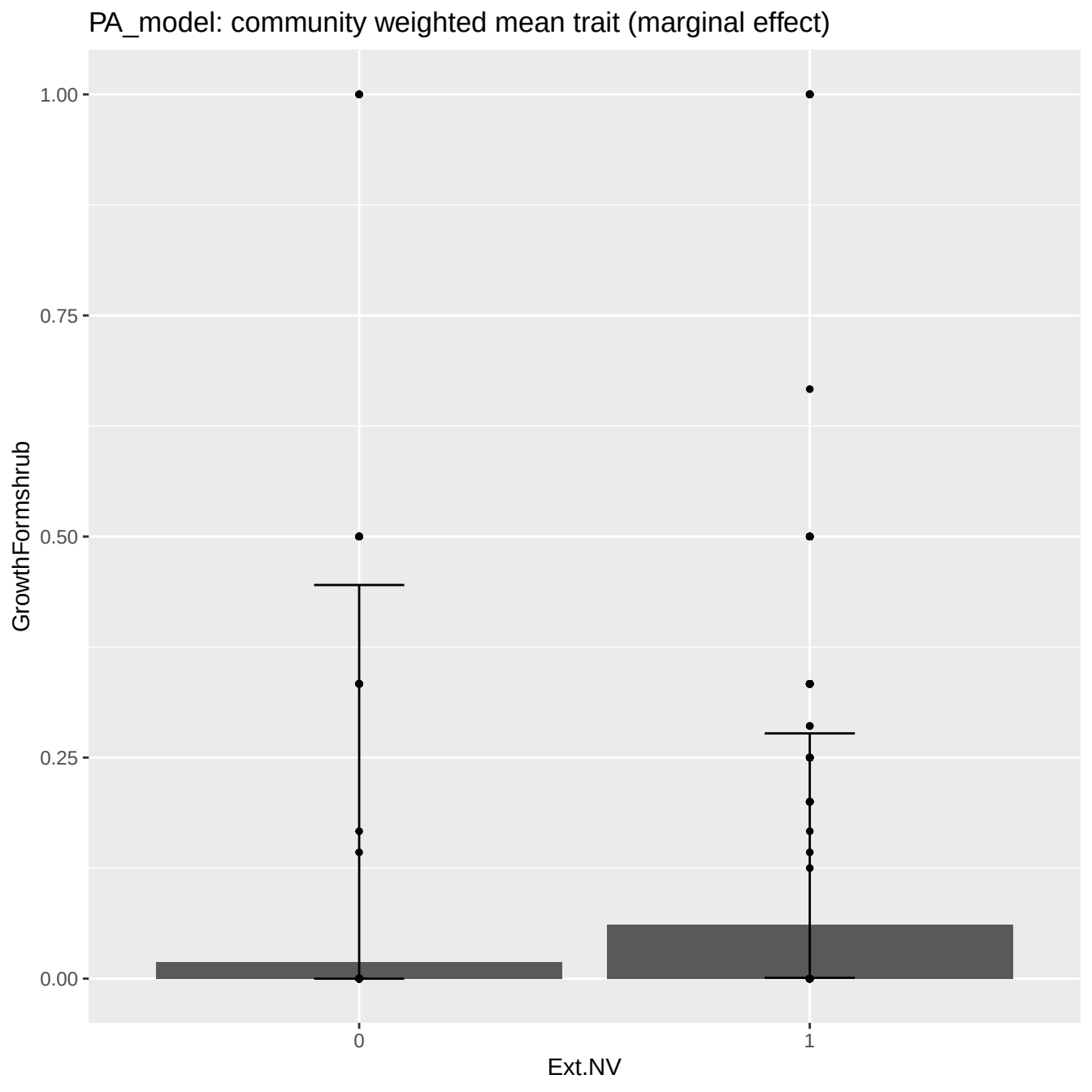

PA_model: example species (total effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Ext.NV

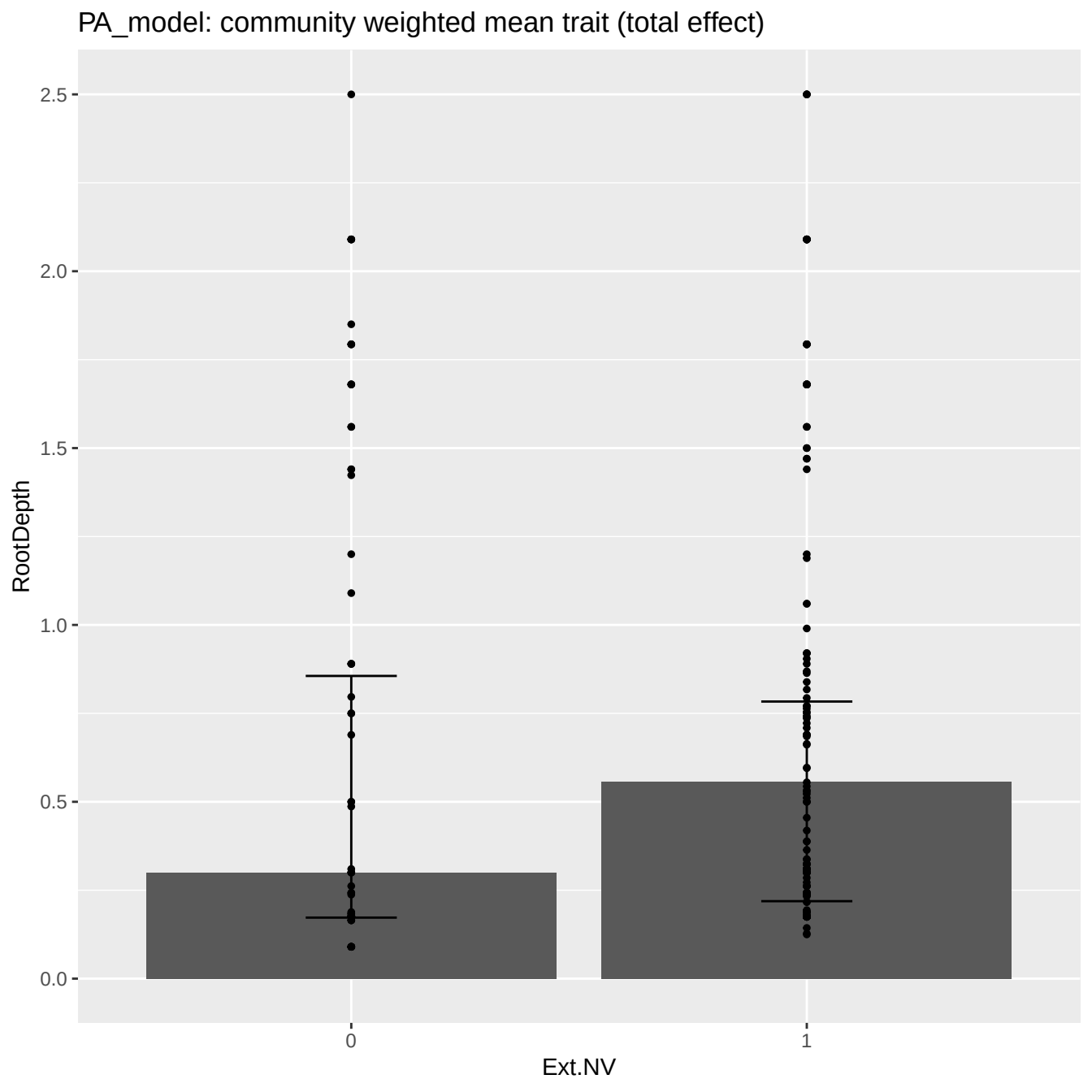

PA_model: example species (marginal effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Ext.NV

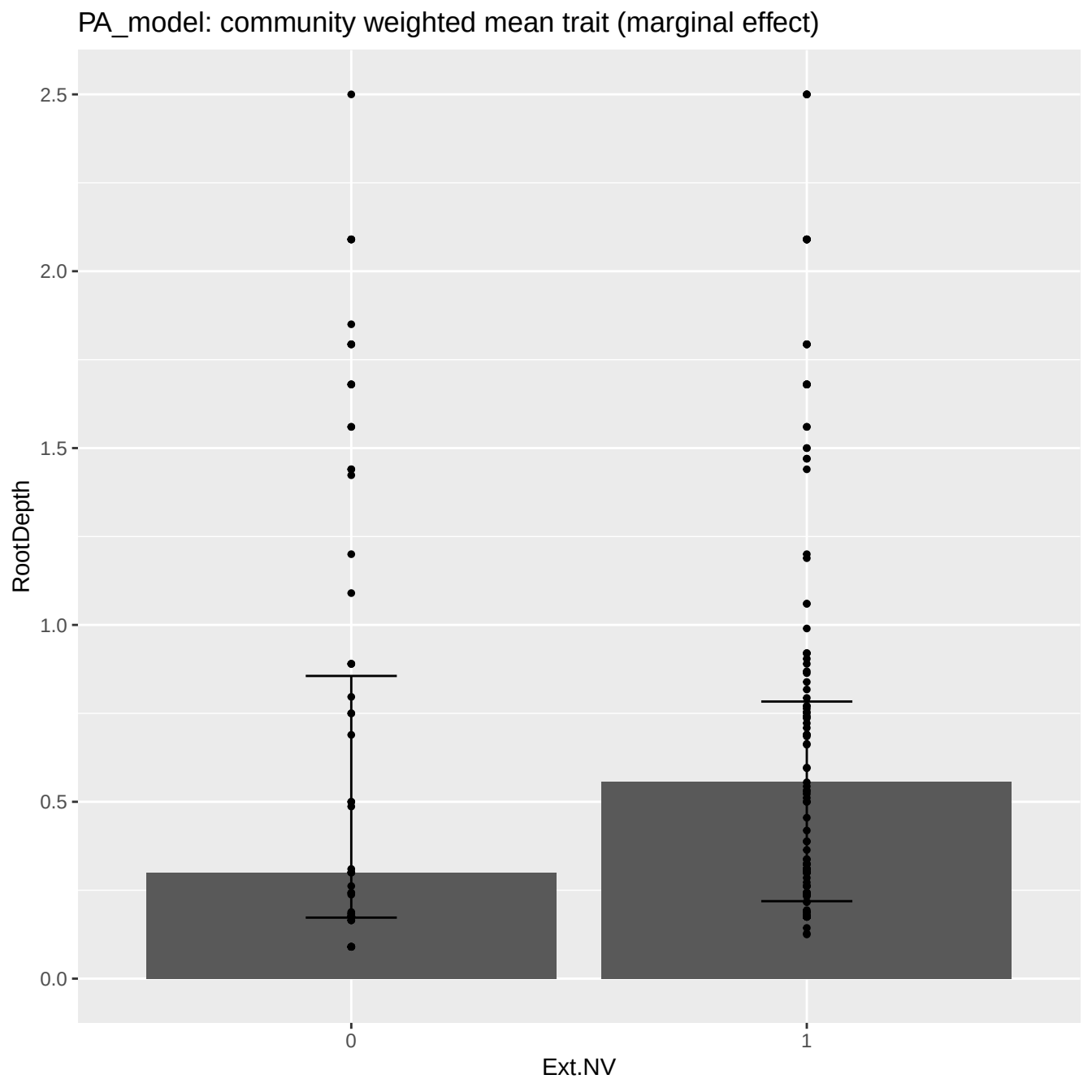

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Ext.NV

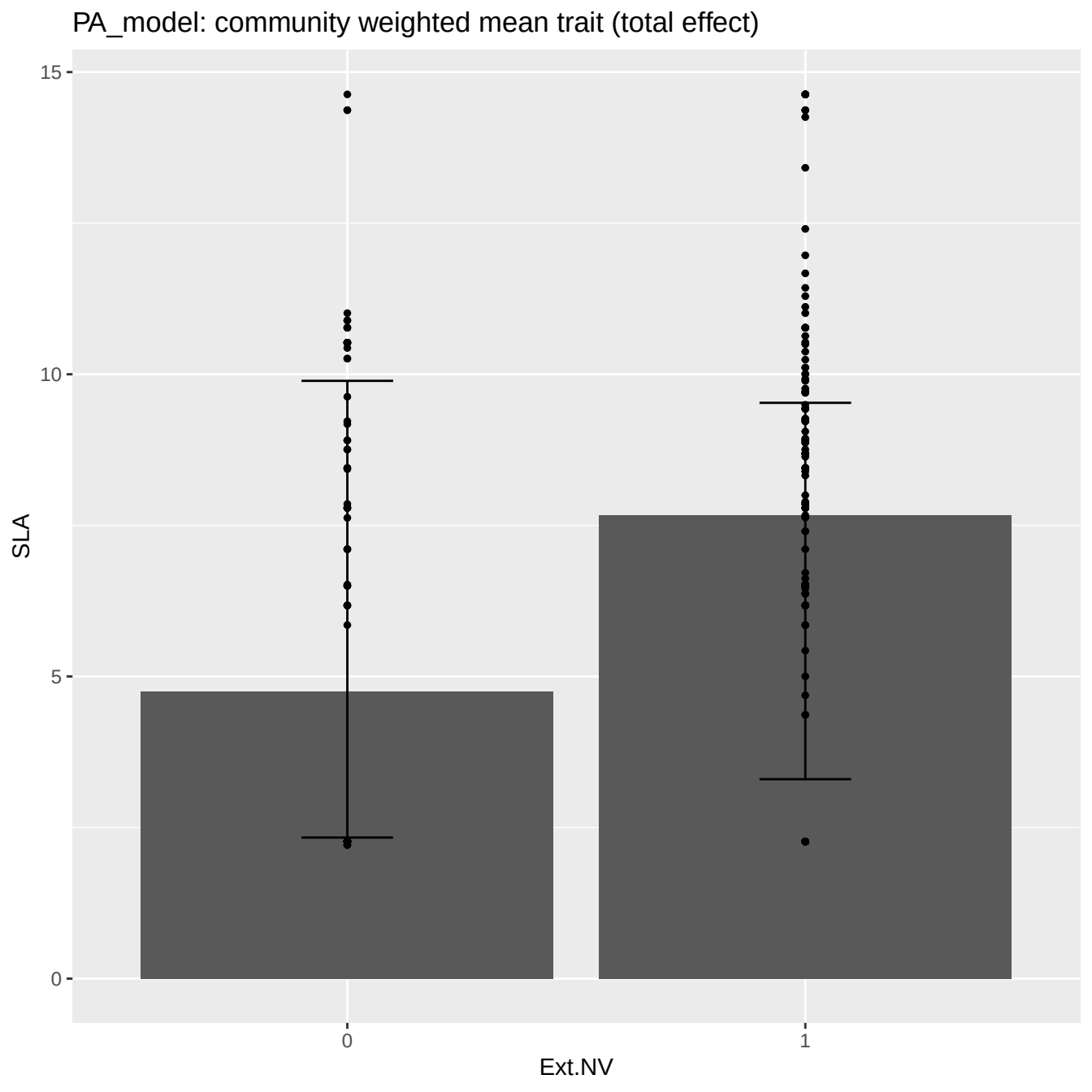

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Ext.NV

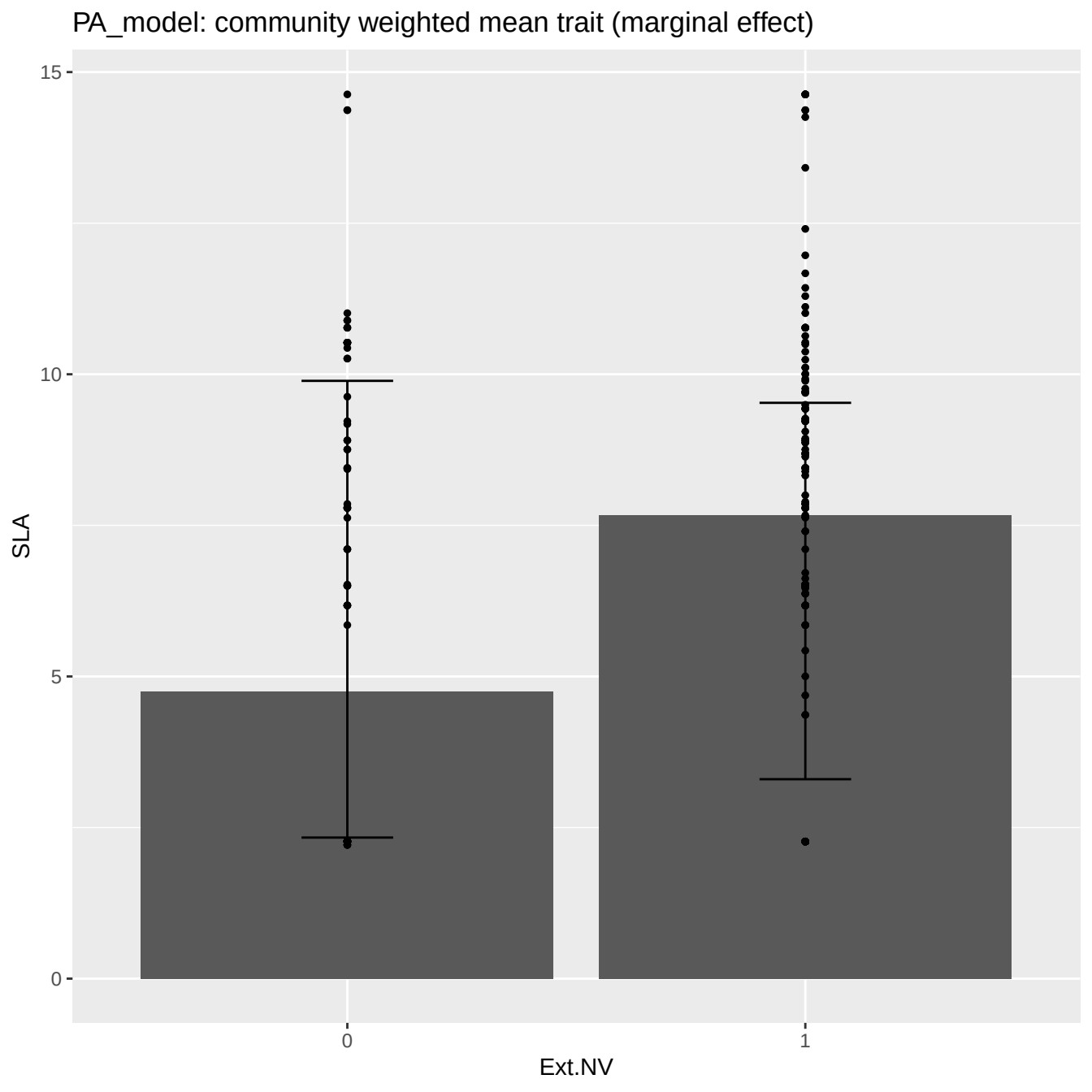

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Ext.NV

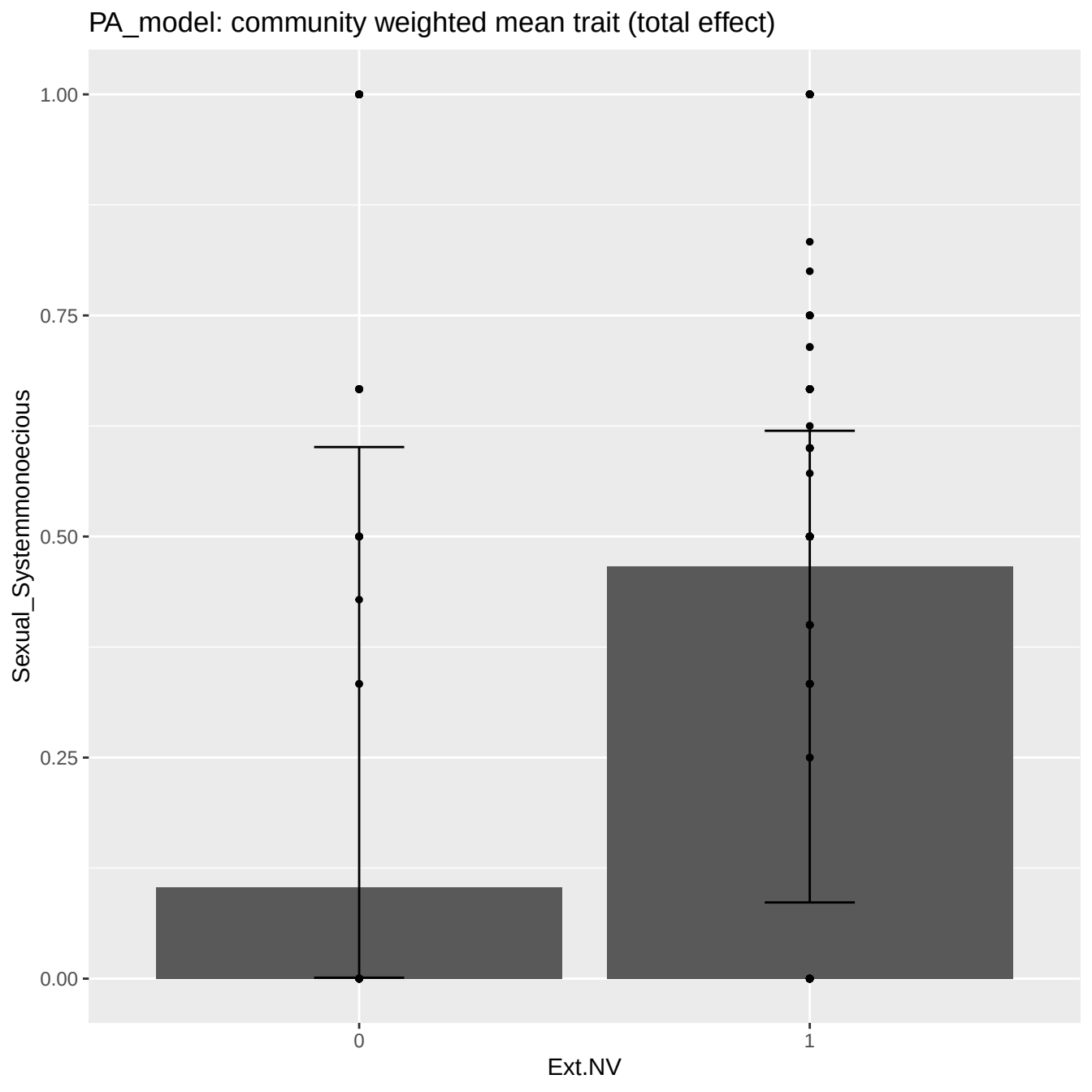

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Ext.NV

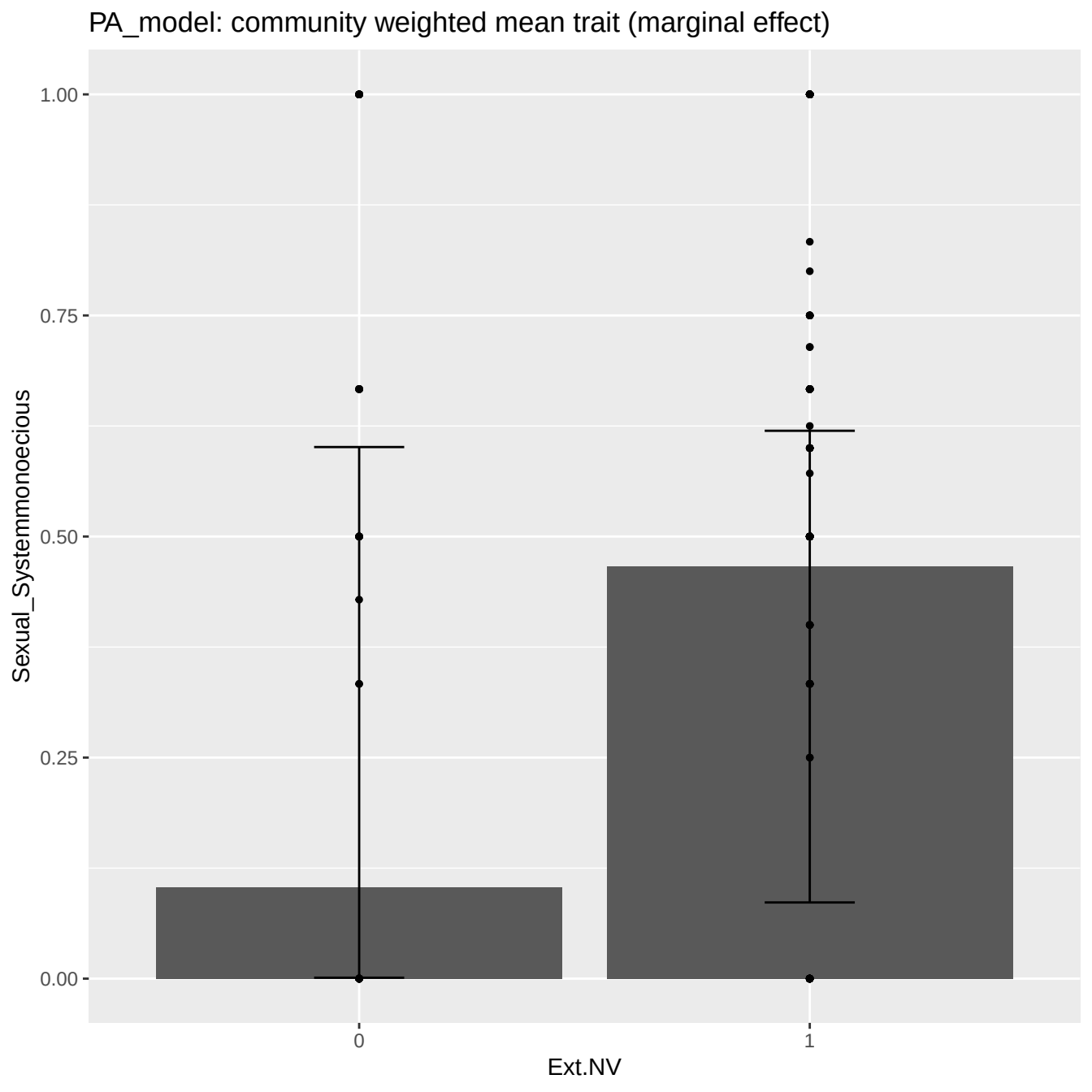

PA_model: community weighted mean trait (total effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Ext.NV

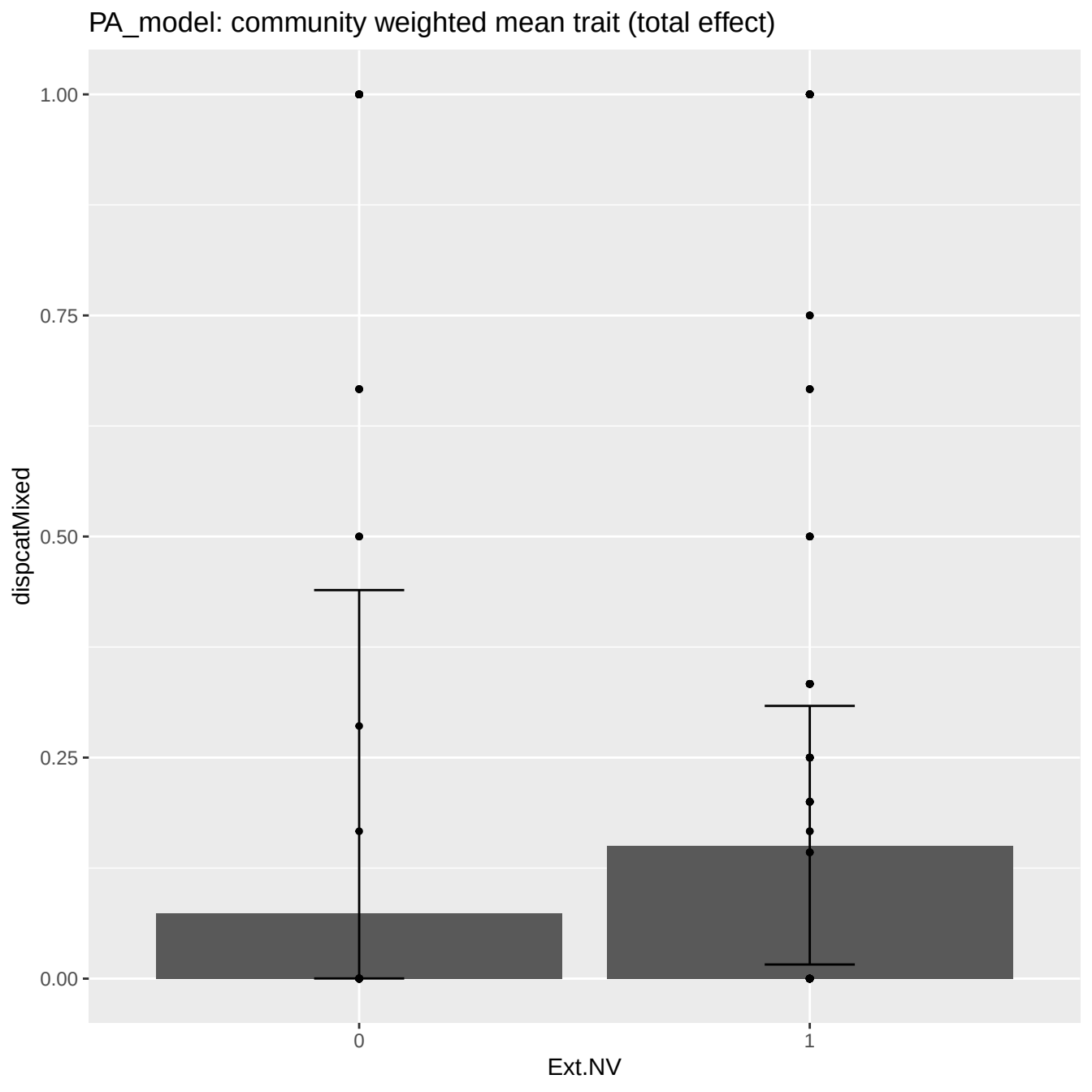

PA_model: community weighted mean trait (marginal effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Ext.NV

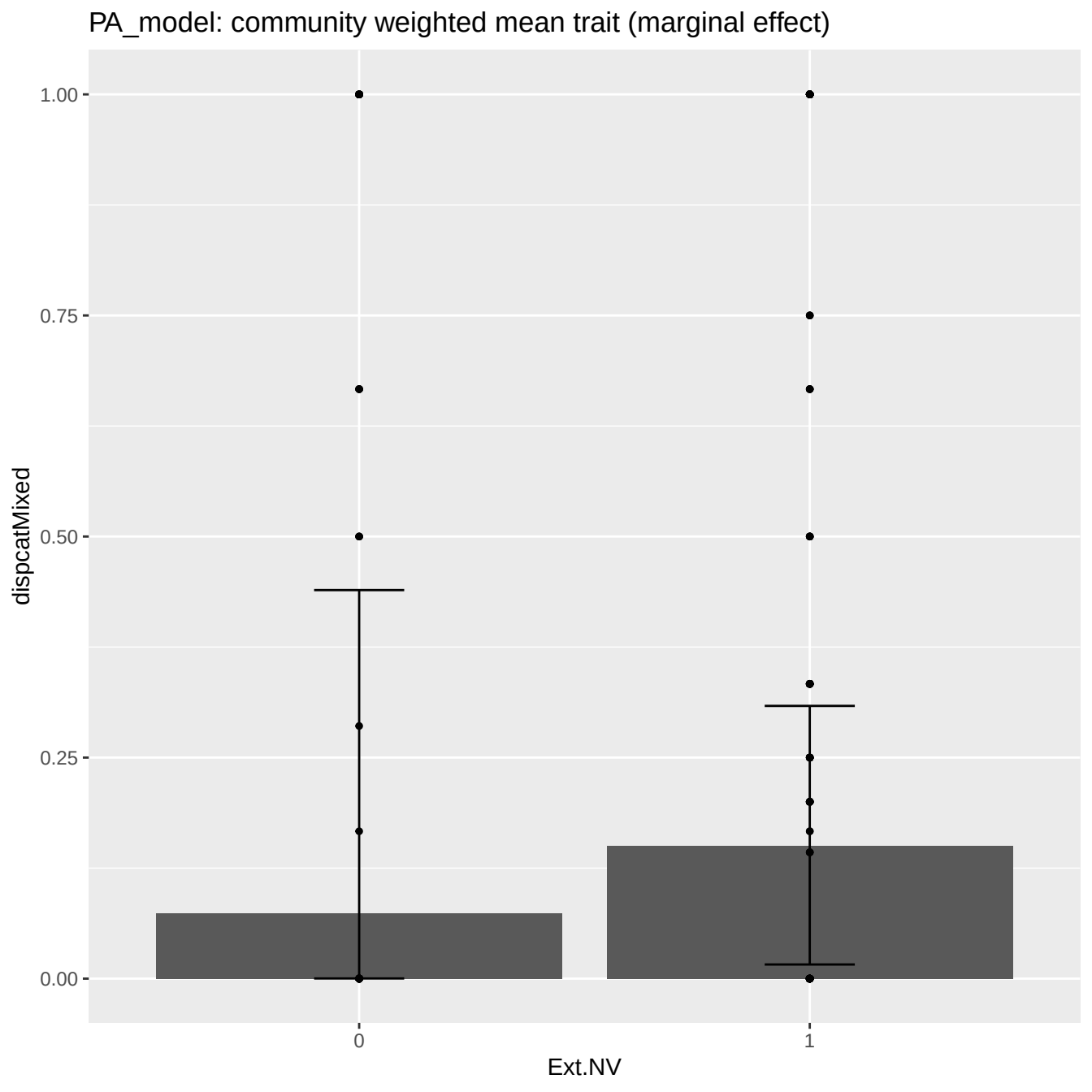

PA_model: community weighted mean trait (total effect)
15
10
5
0
SLA
0
1
Ext.NV

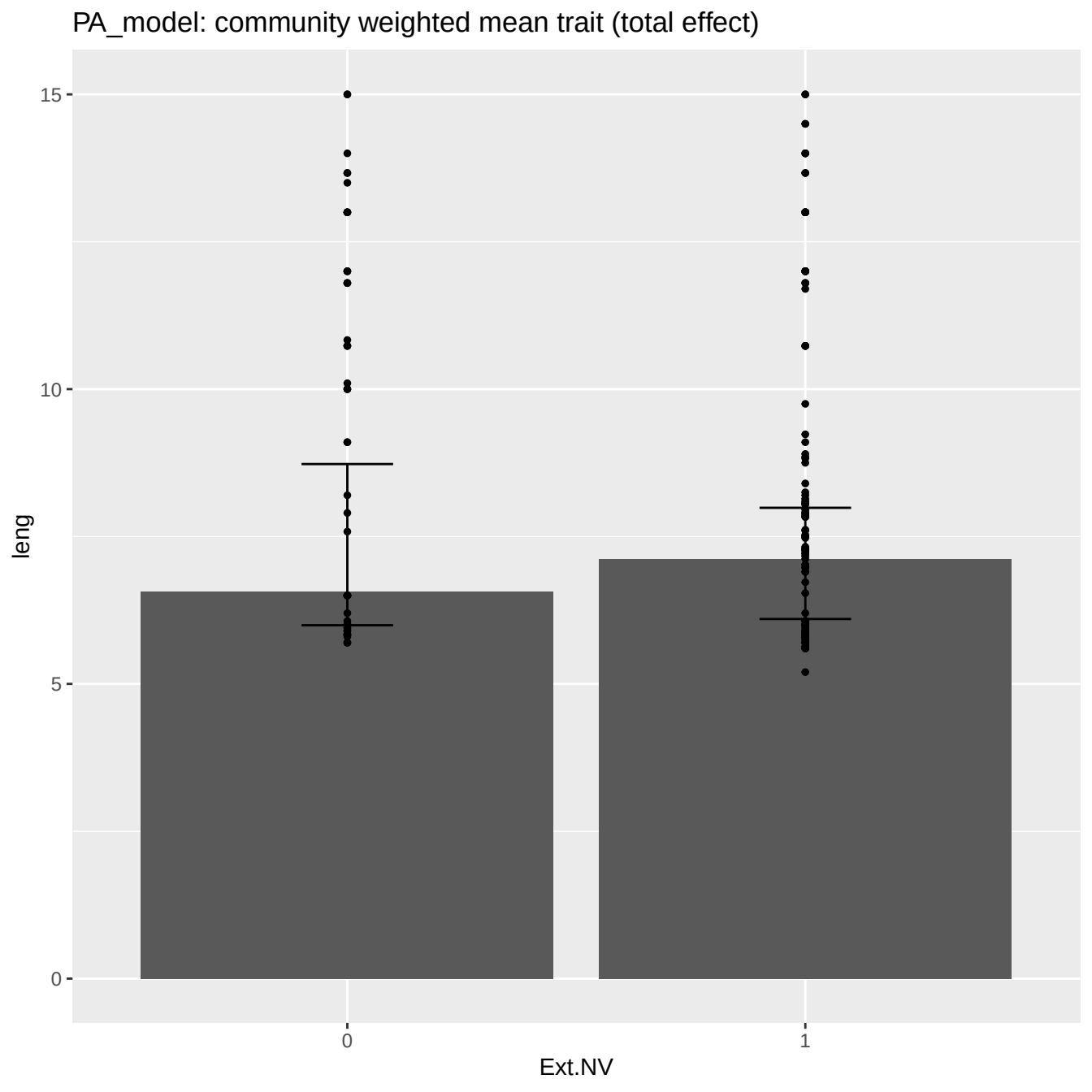

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
SLA
0
1
Ext.NV

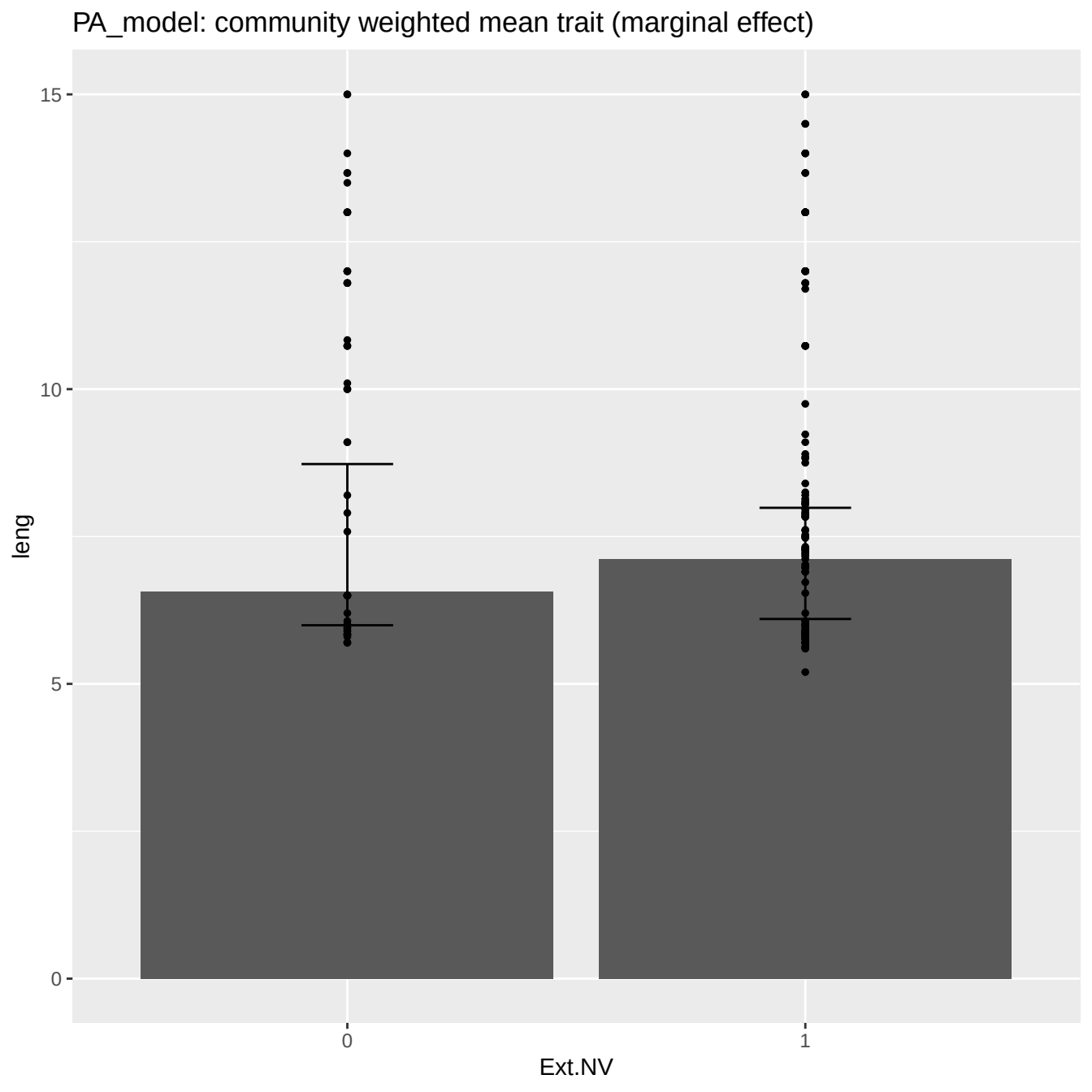

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Ext.NV

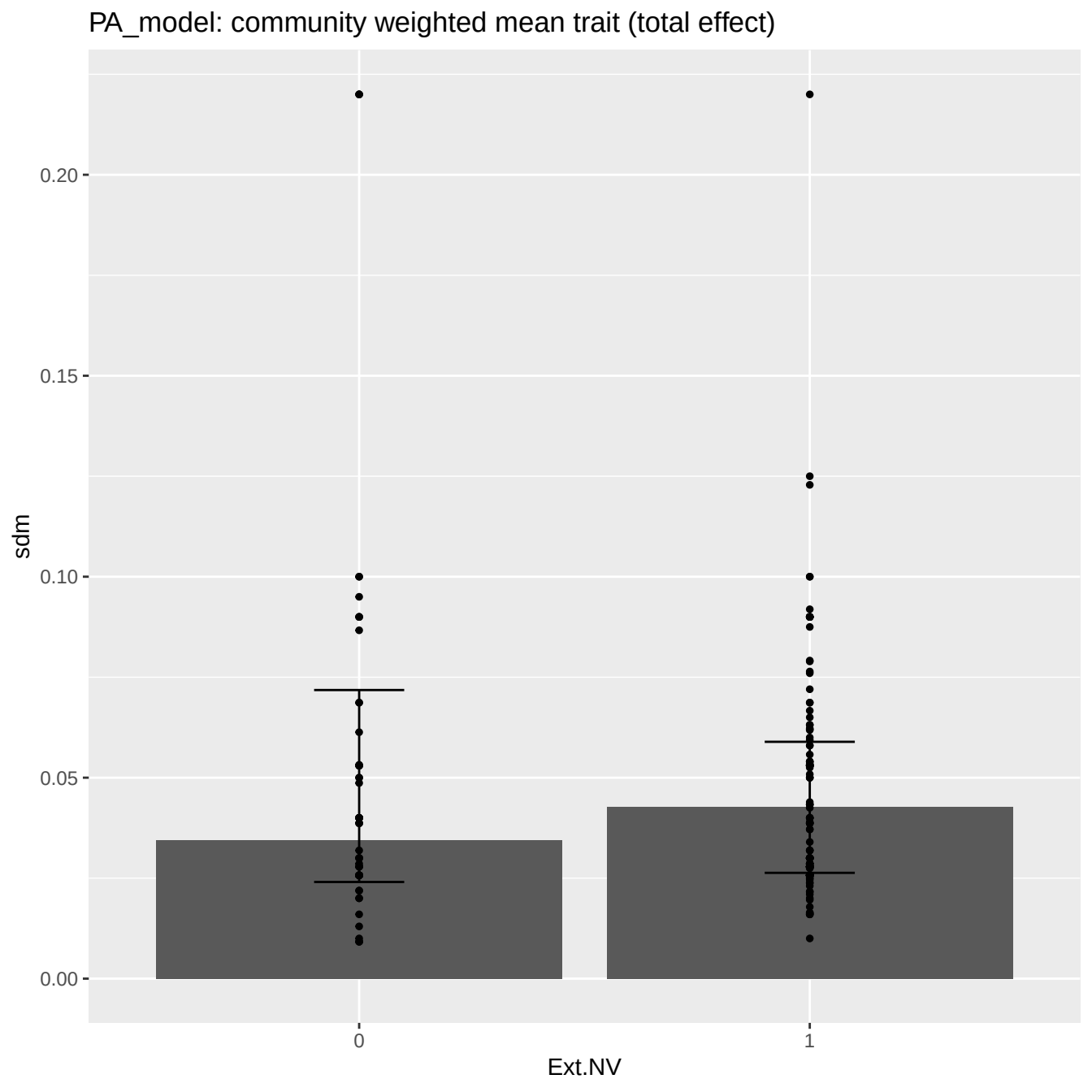

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Ext.NV

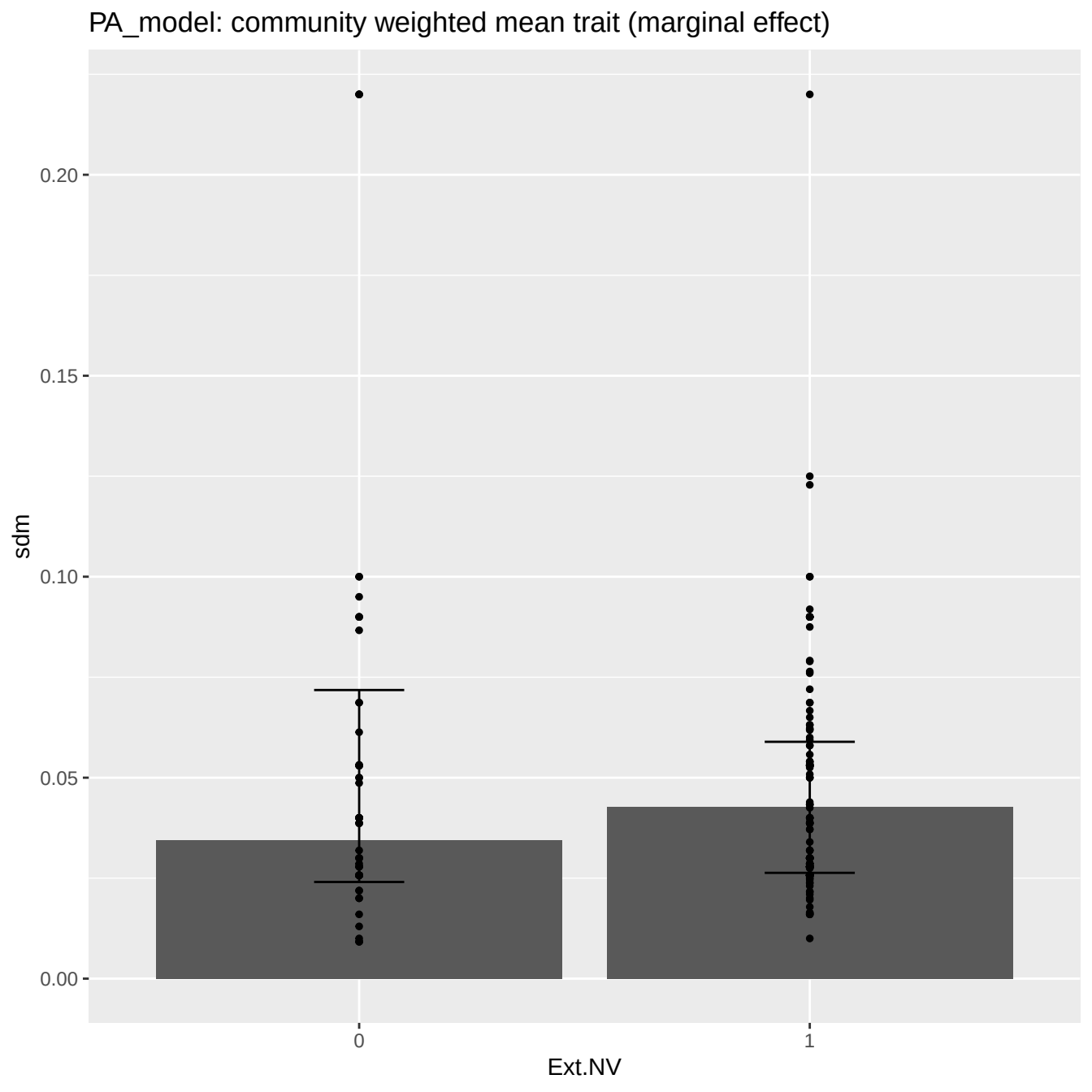

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Ext.NV

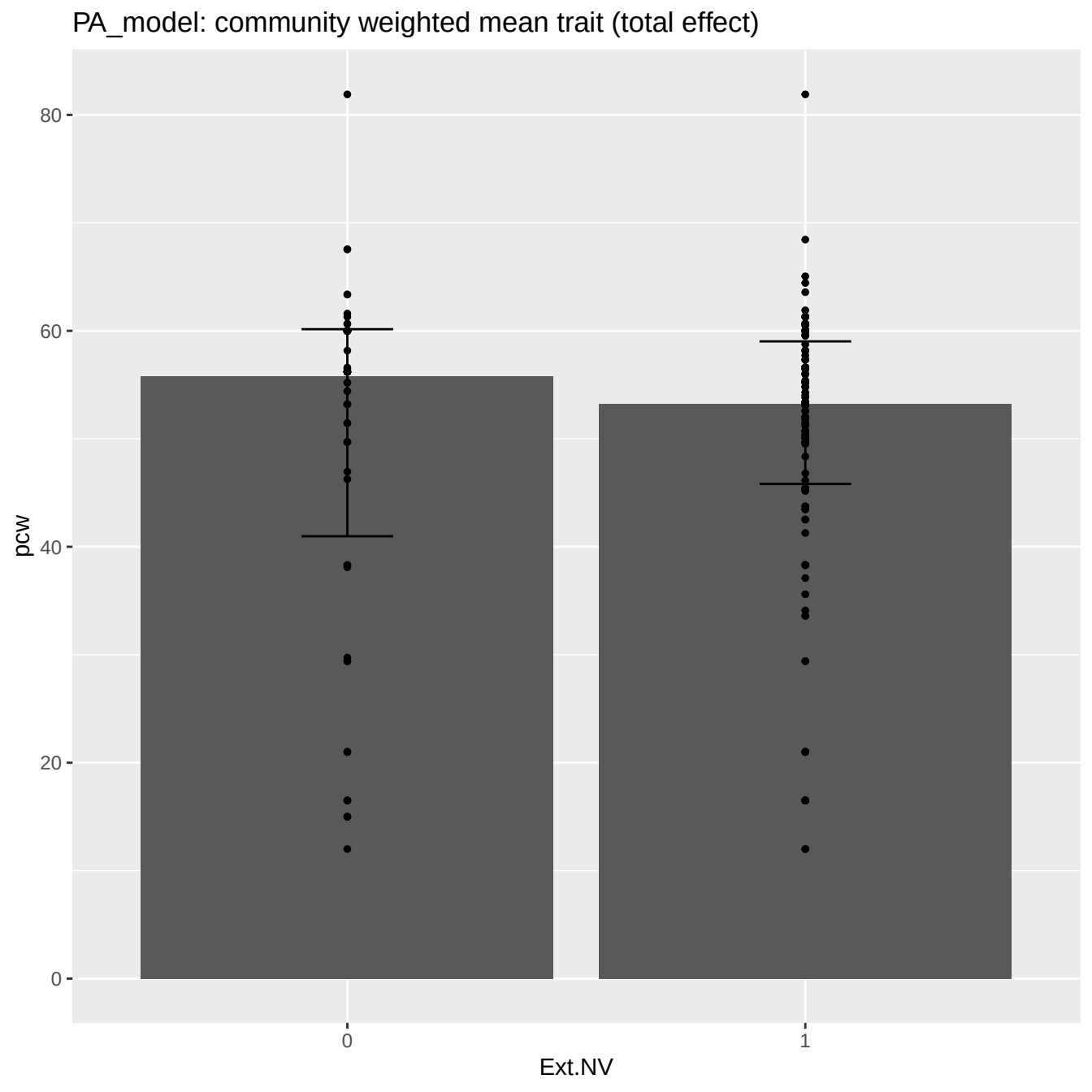

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Ext.NV

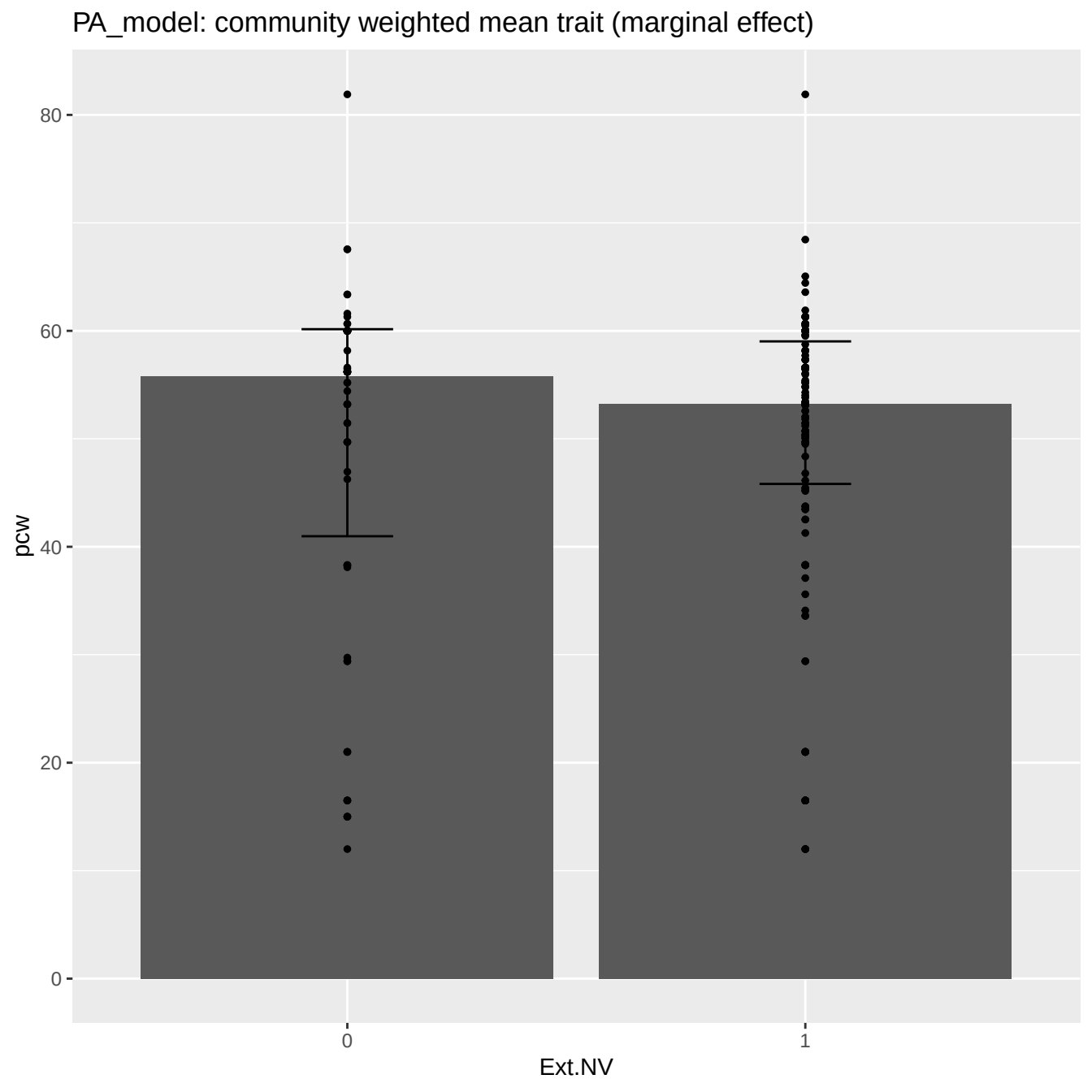

PA_model: community weighted mean trait (total effect)
leng
15
10
5
0
0
1
Ext.NV

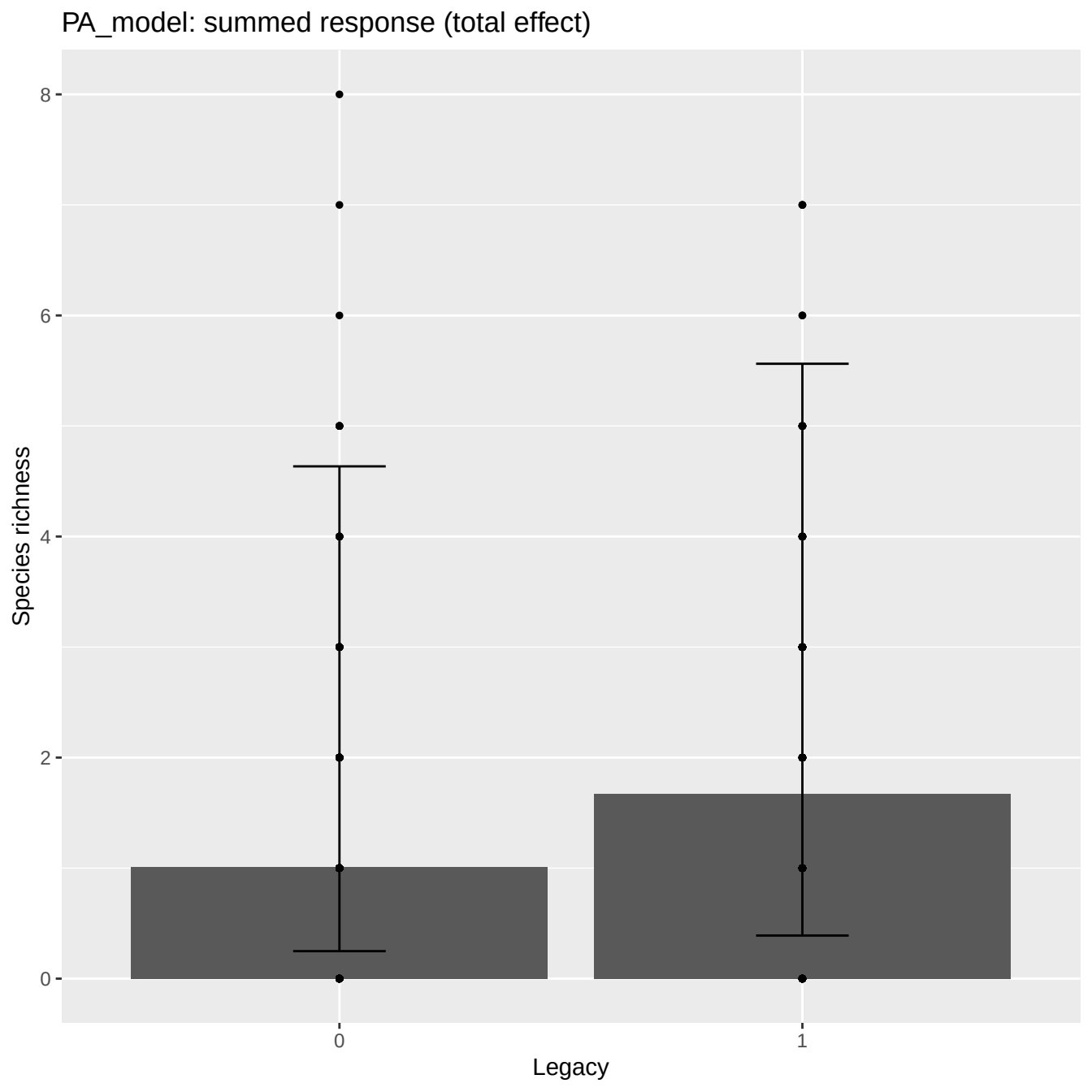

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
leng
0
1
Ext.NV

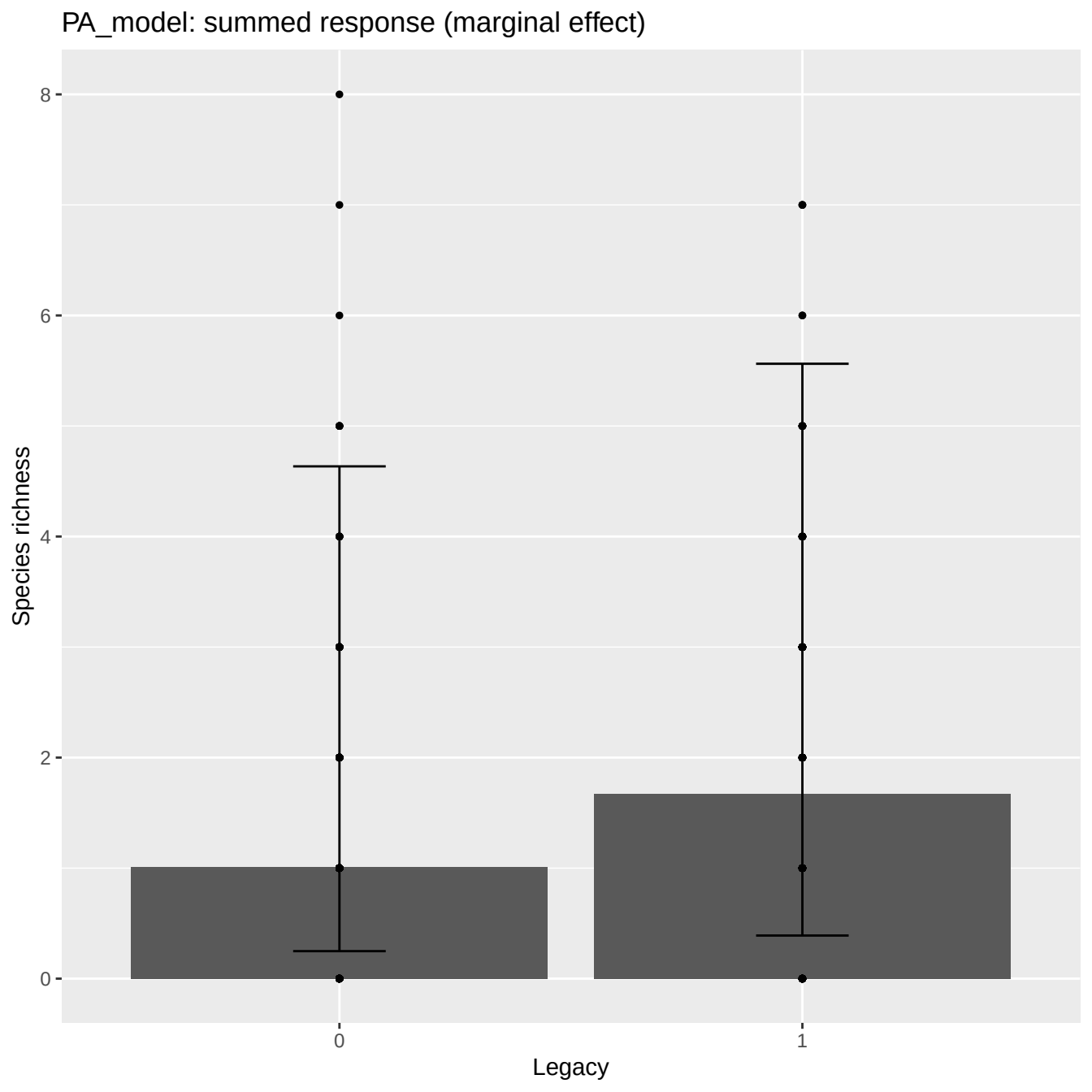

PA_model: community weighted mean trait (total effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Ext.NV

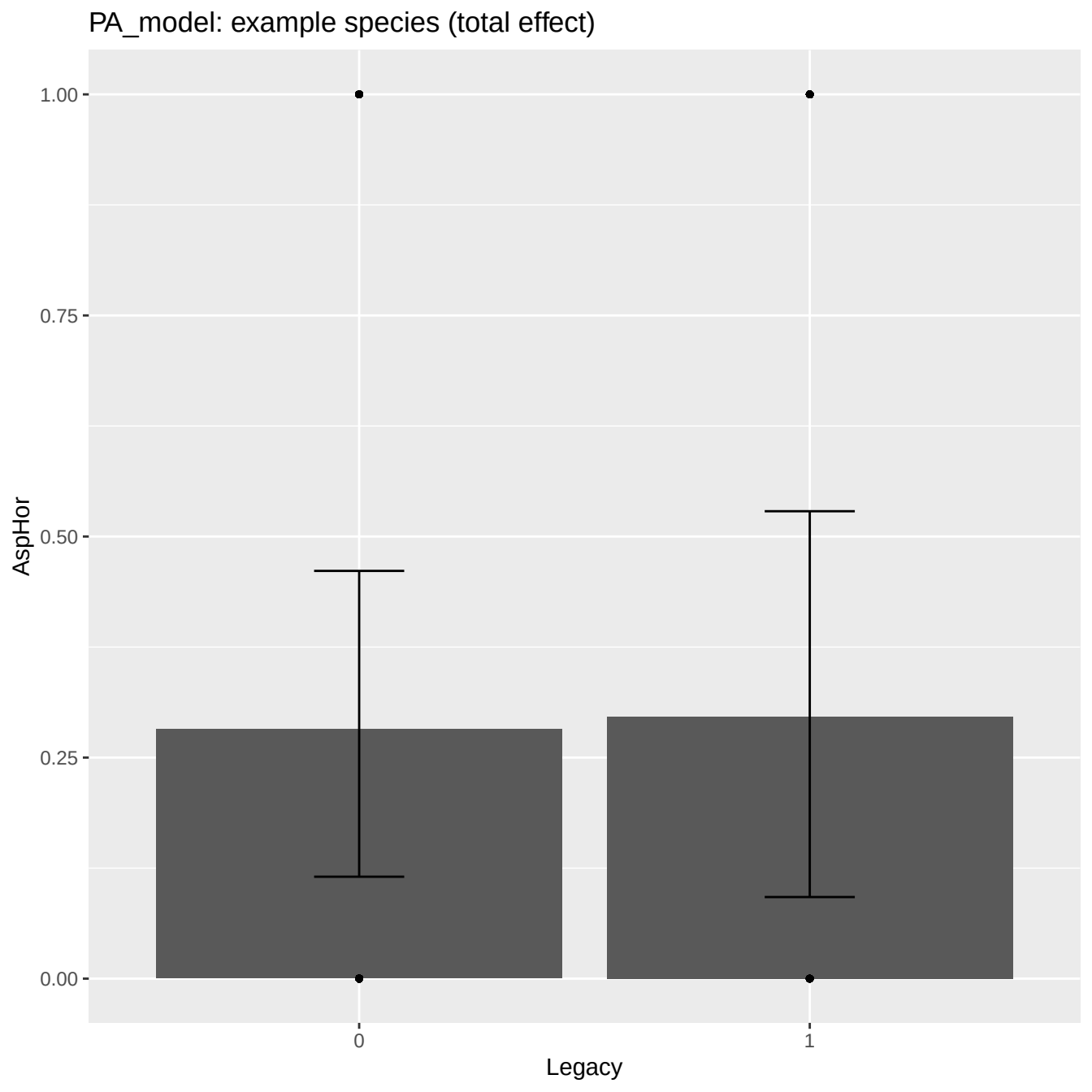

PA_model: community weighted mean trait (marginal effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Ext.NV

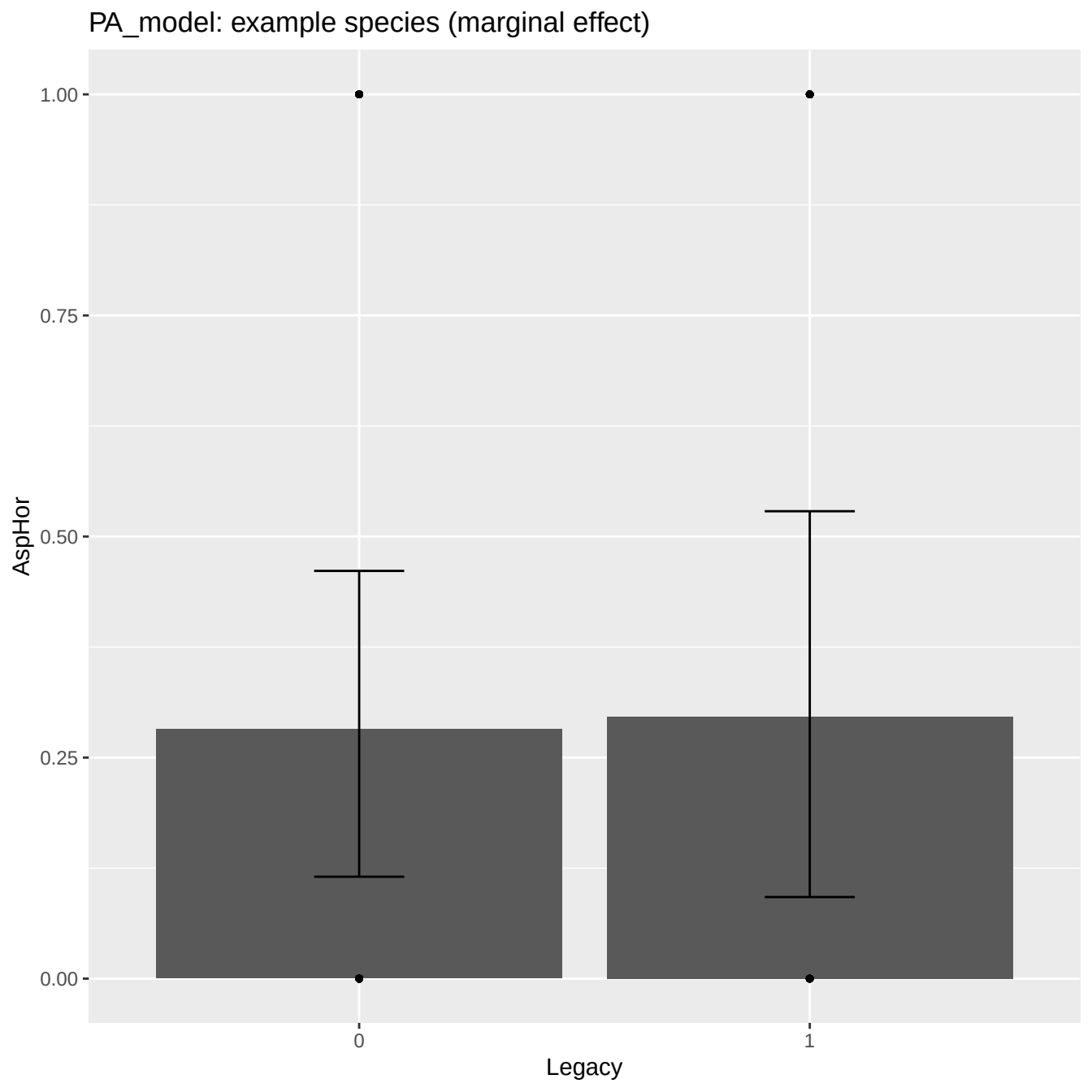

PA_model: community weighted mean trait (total effect)
80
60
40
20
0
pcw
0
1
Ext.NV

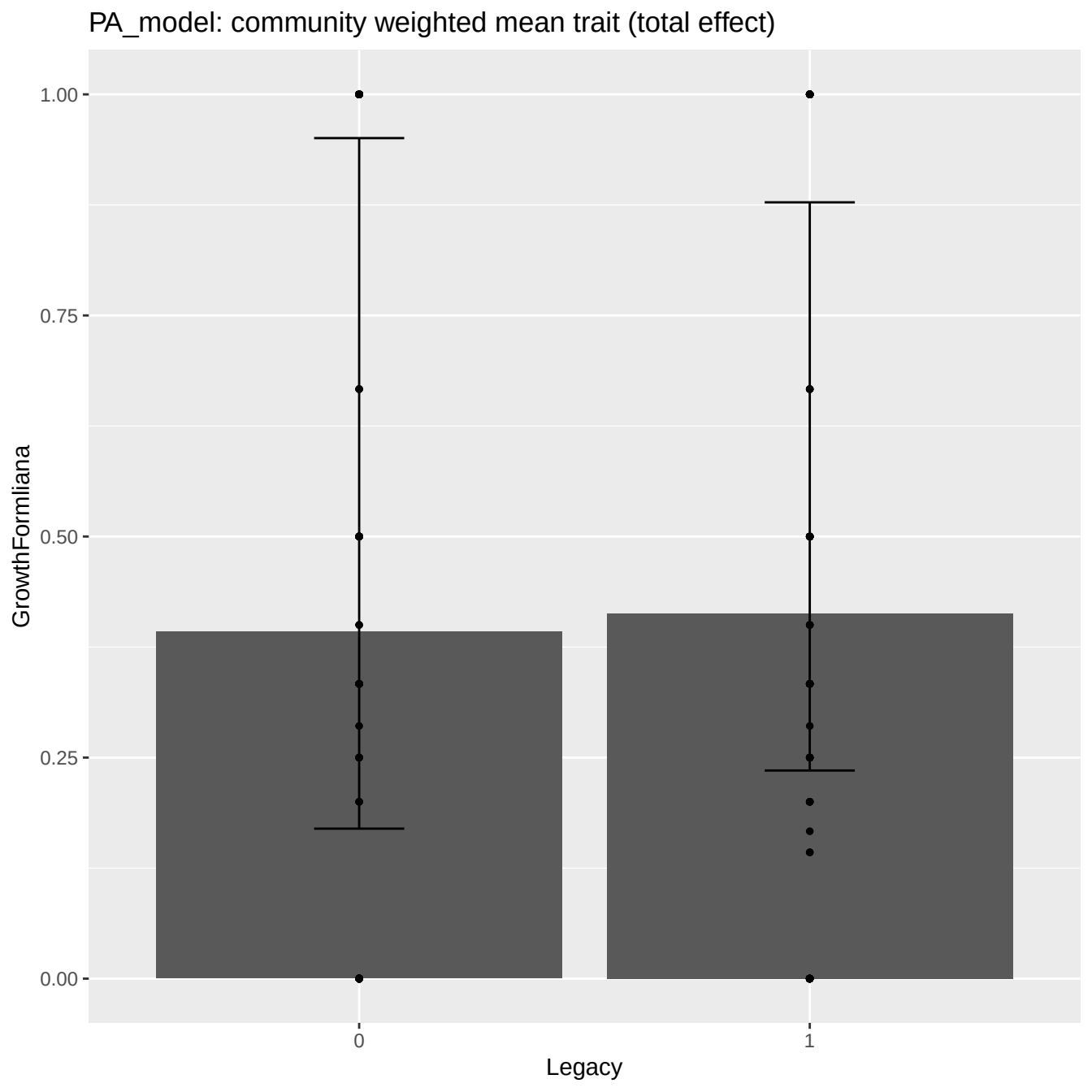

PA_model: community weighted mean trait (marginal effect)
80
60
40
20
0
pcw
0
1
Ext.NV

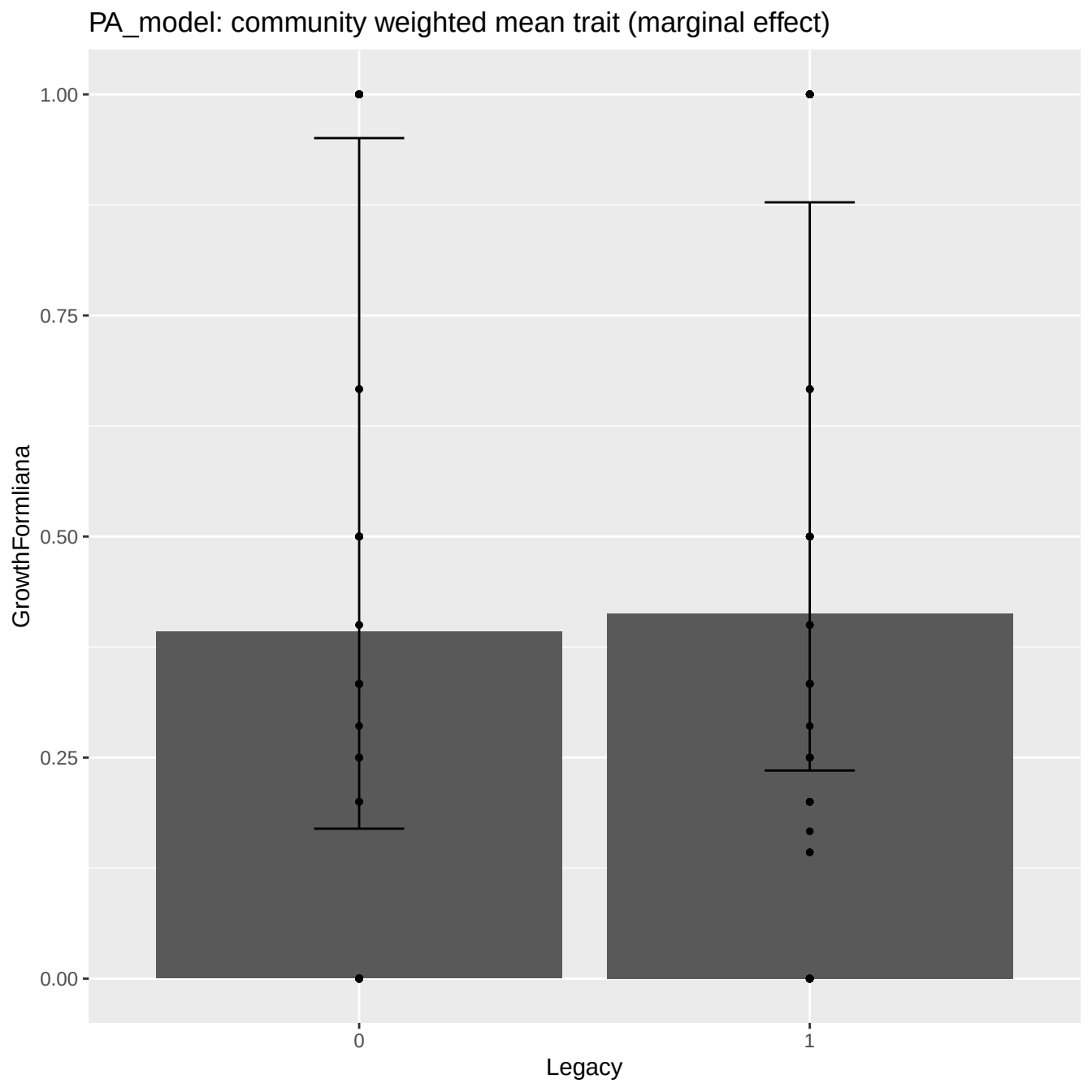

PA_model: summed response (total effect)
Species richness
8
6
4
2
0
0
1
Legacy

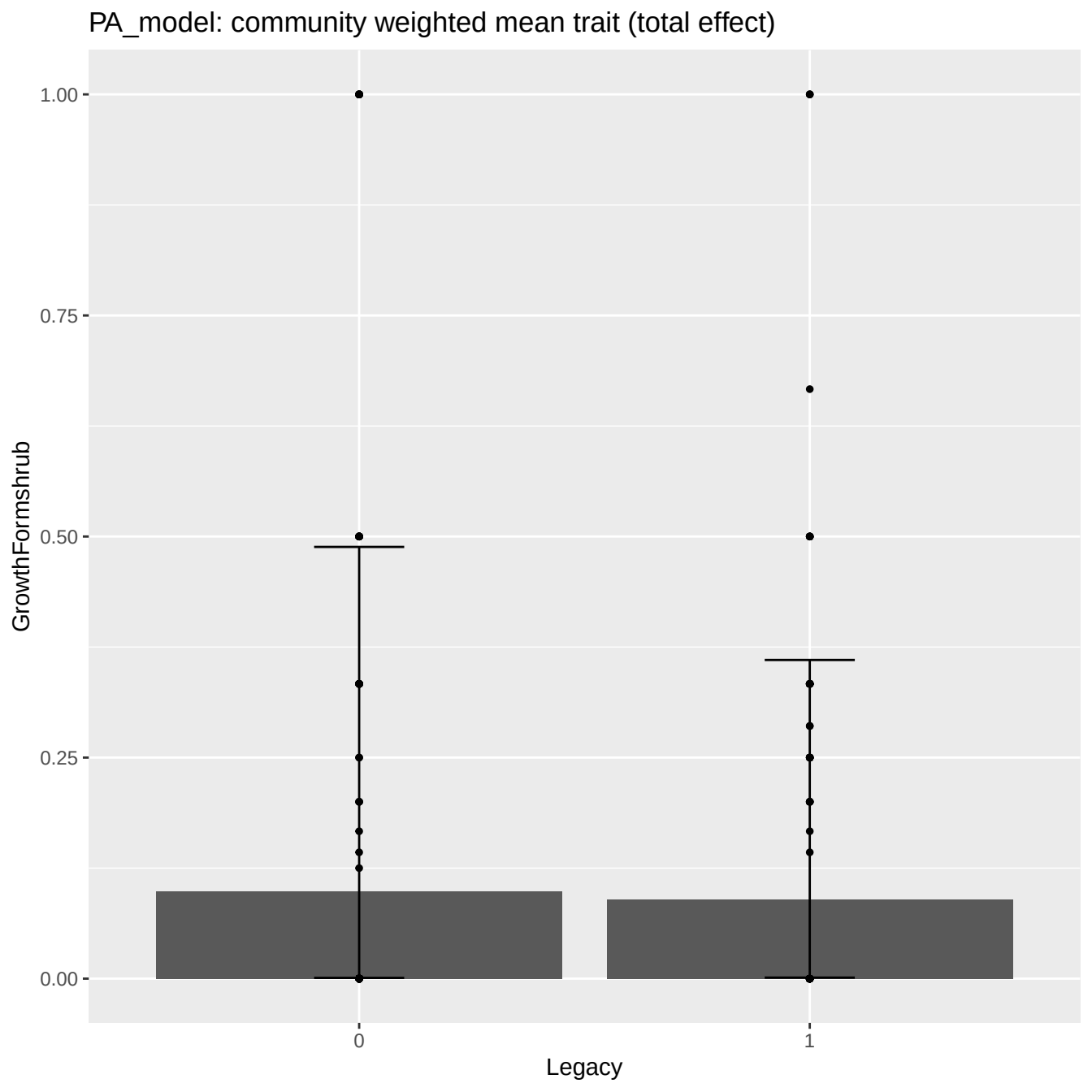

PA_model: summed response (marginal effect)
Species richness
8
6
4
2
0
0
1
Legacy

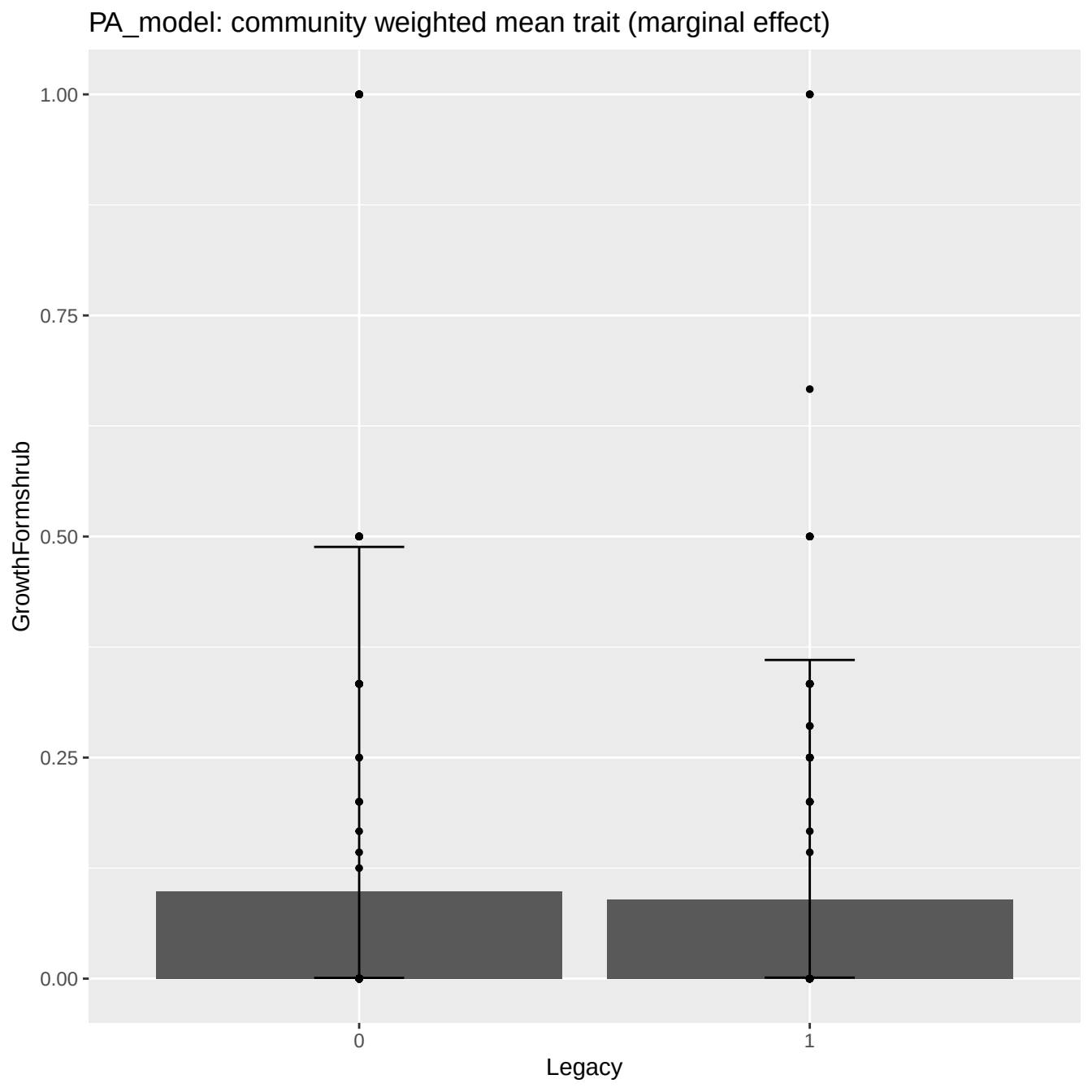

PA_model: example species (total effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Legacy

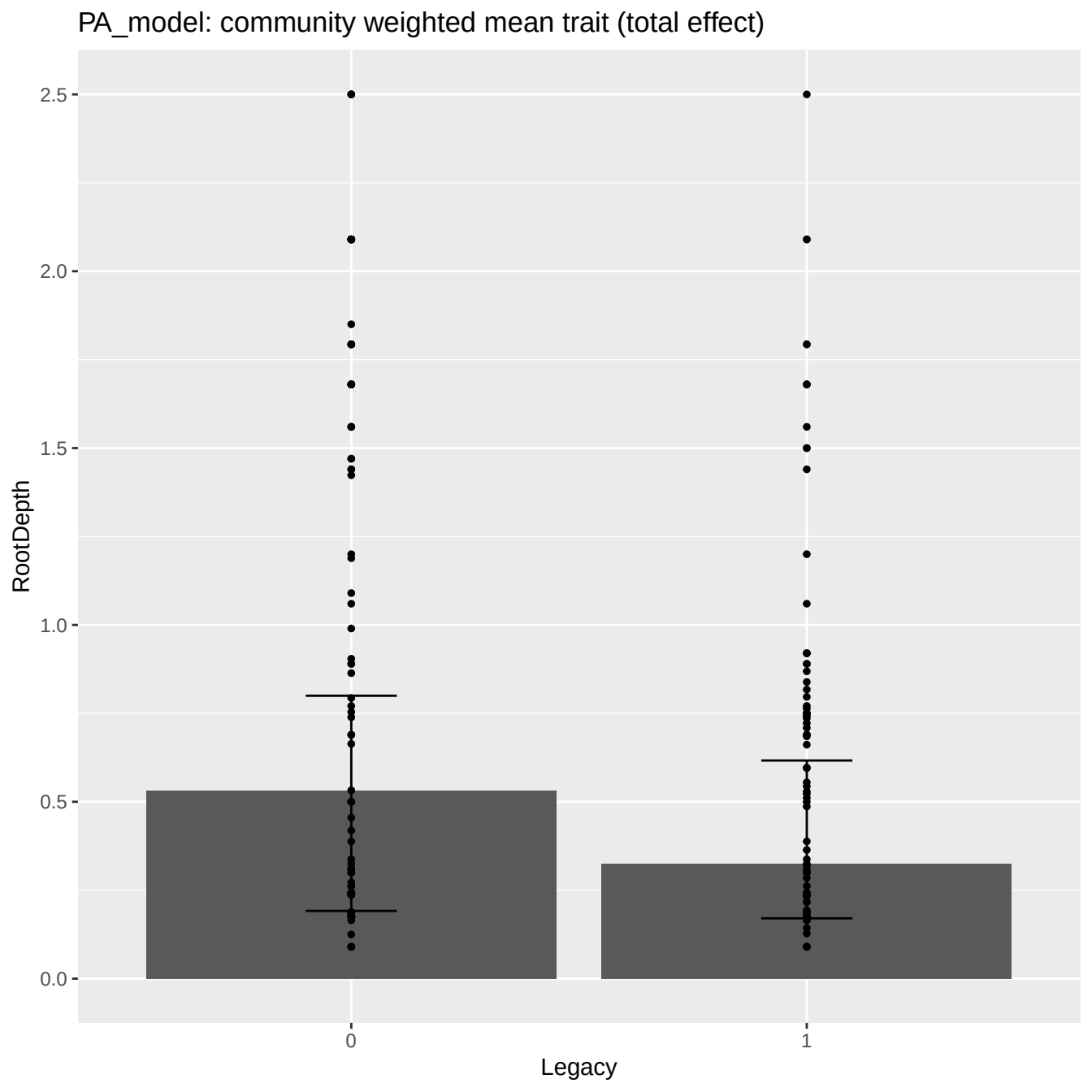

PA_model: example species (marginal effect)
1.00
0.75
0.50
0.25
0.00
AspHor
0
1
Legacy

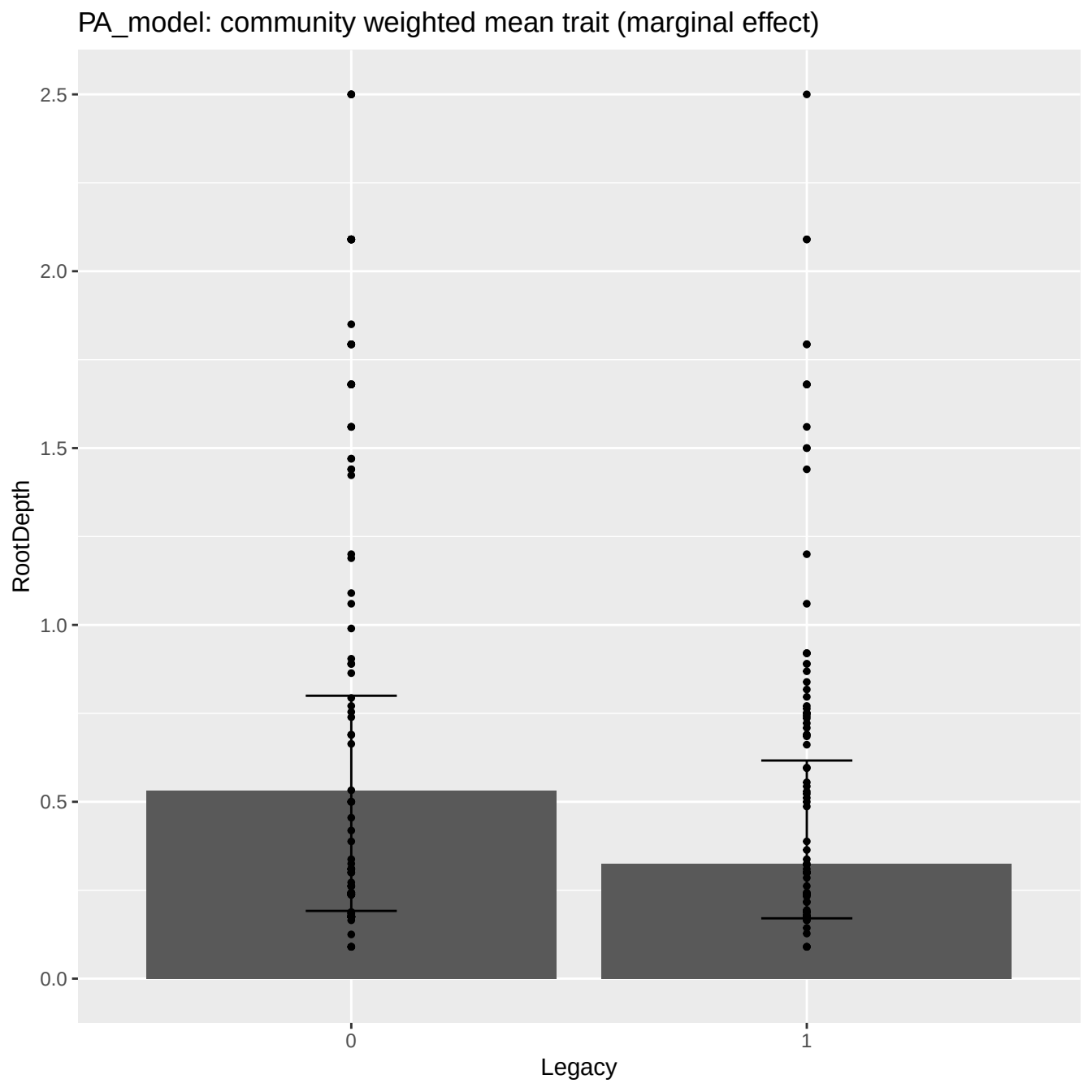

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Legacy

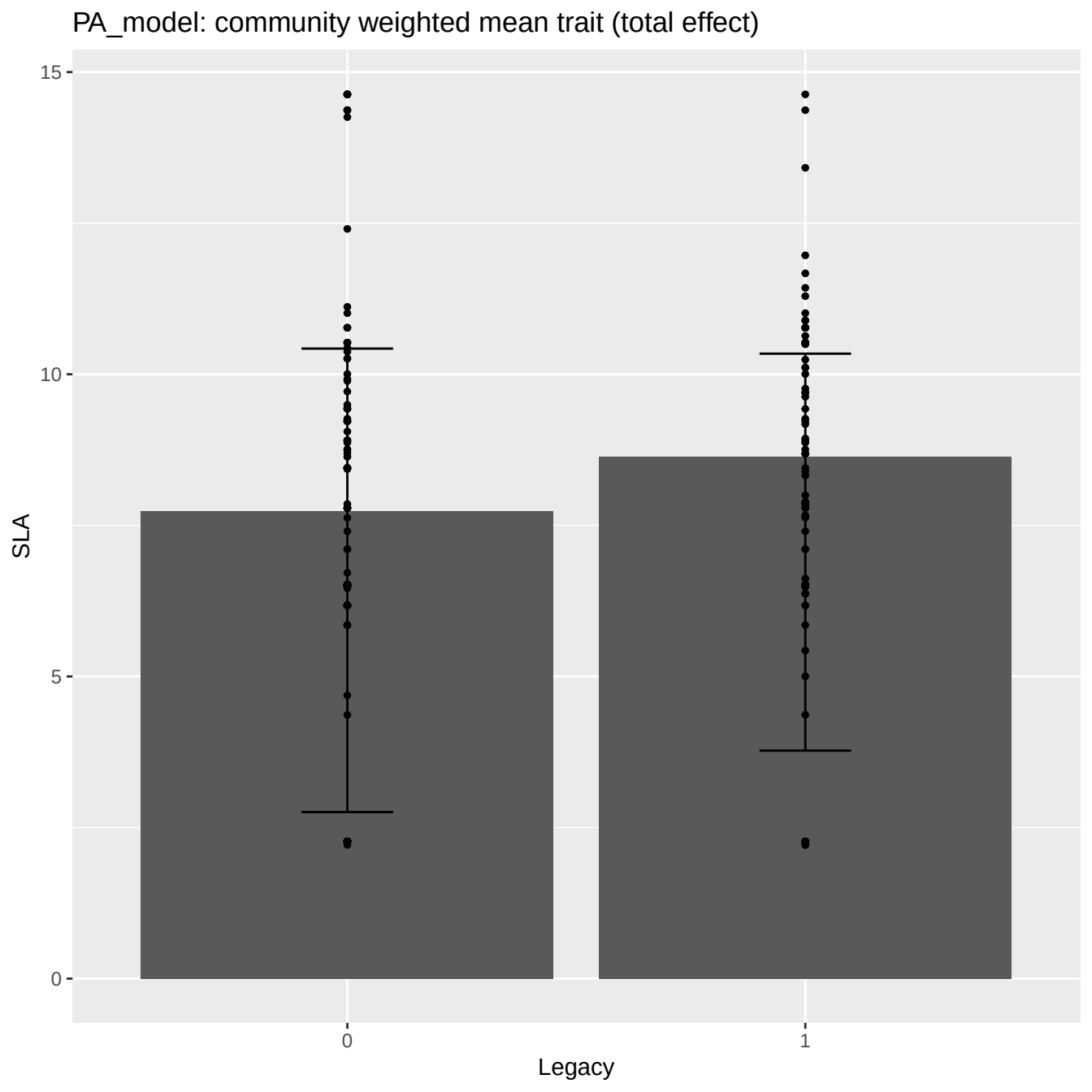

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormliana
0
1
Legacy

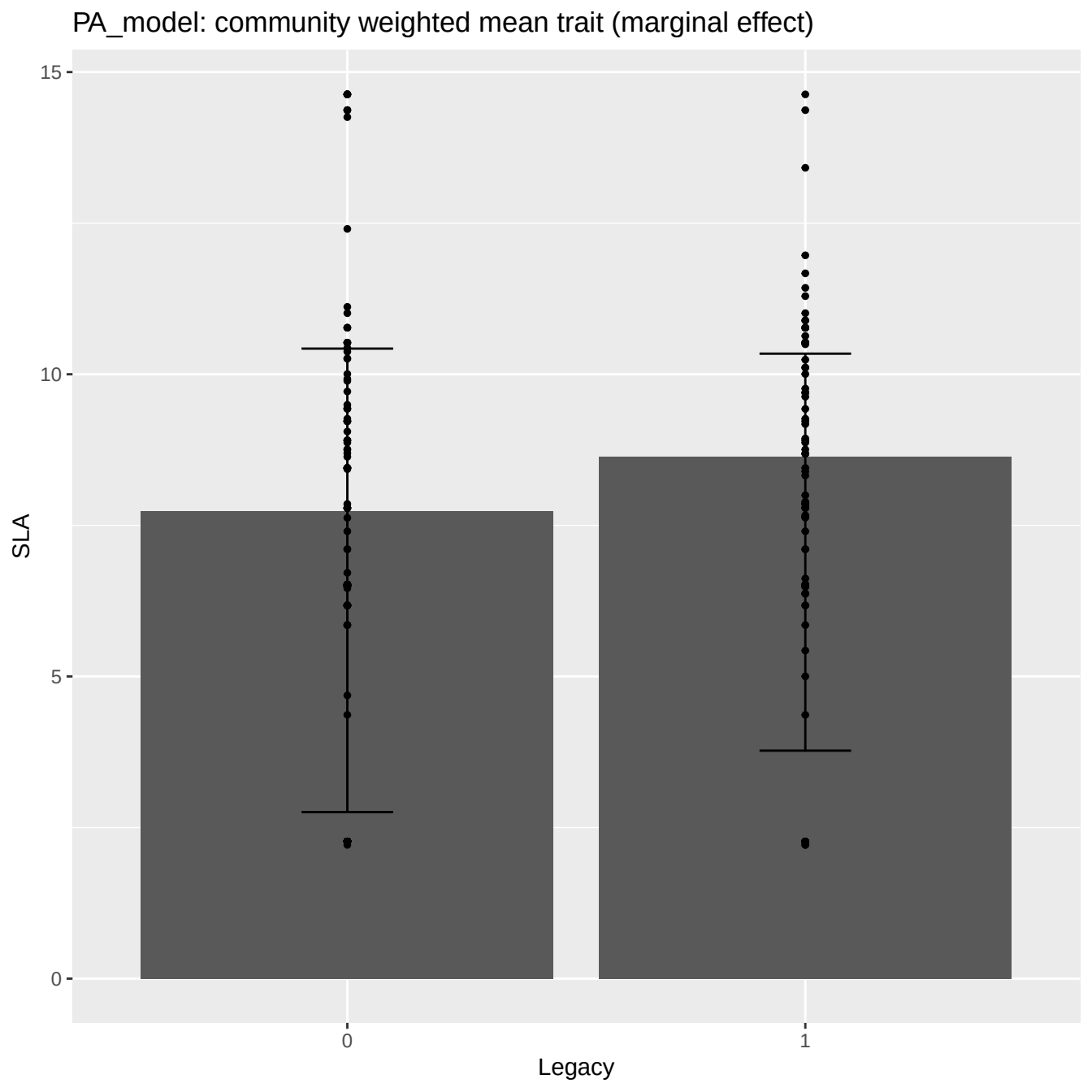

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Legacy

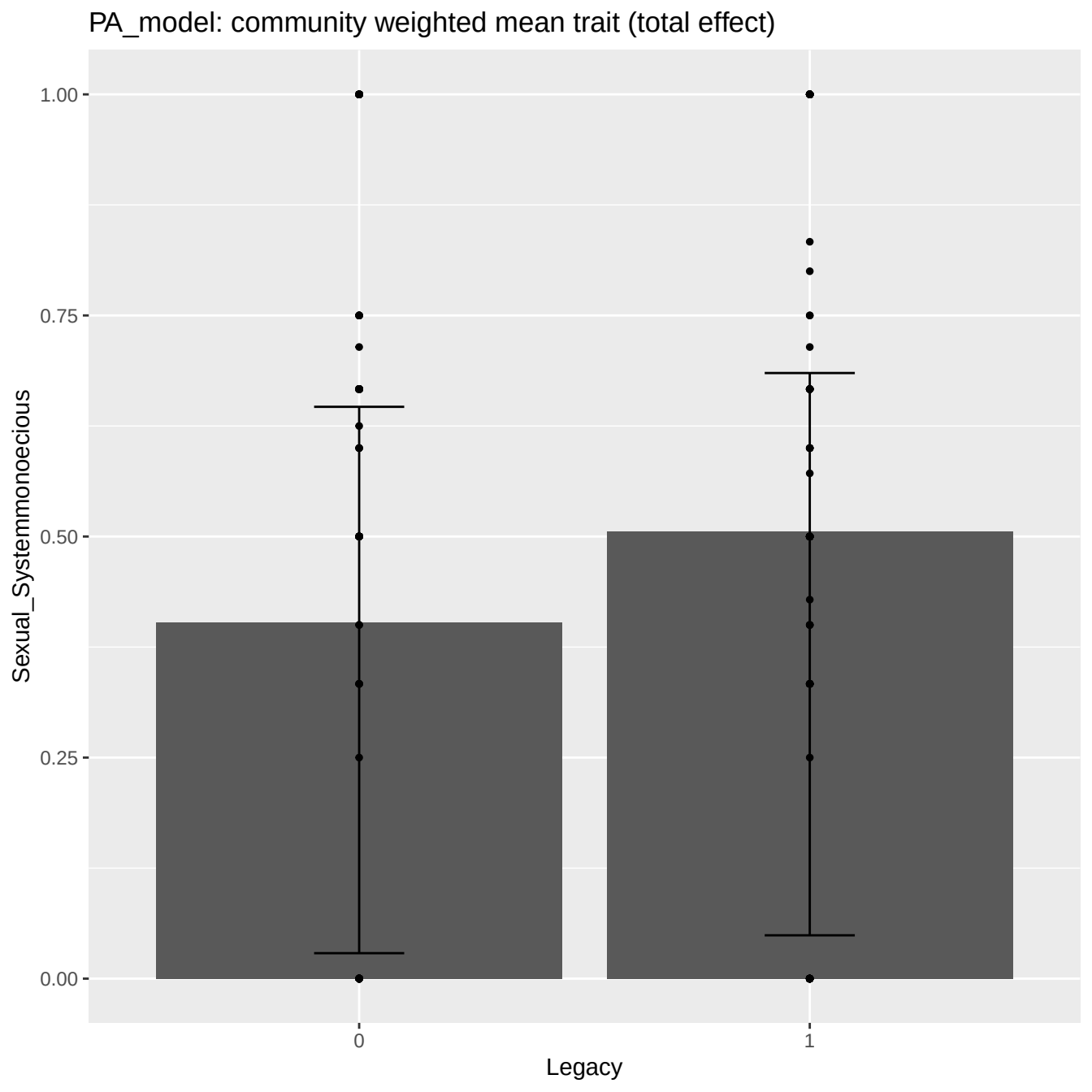

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
GrowthFormshrub
0
1
Legacy

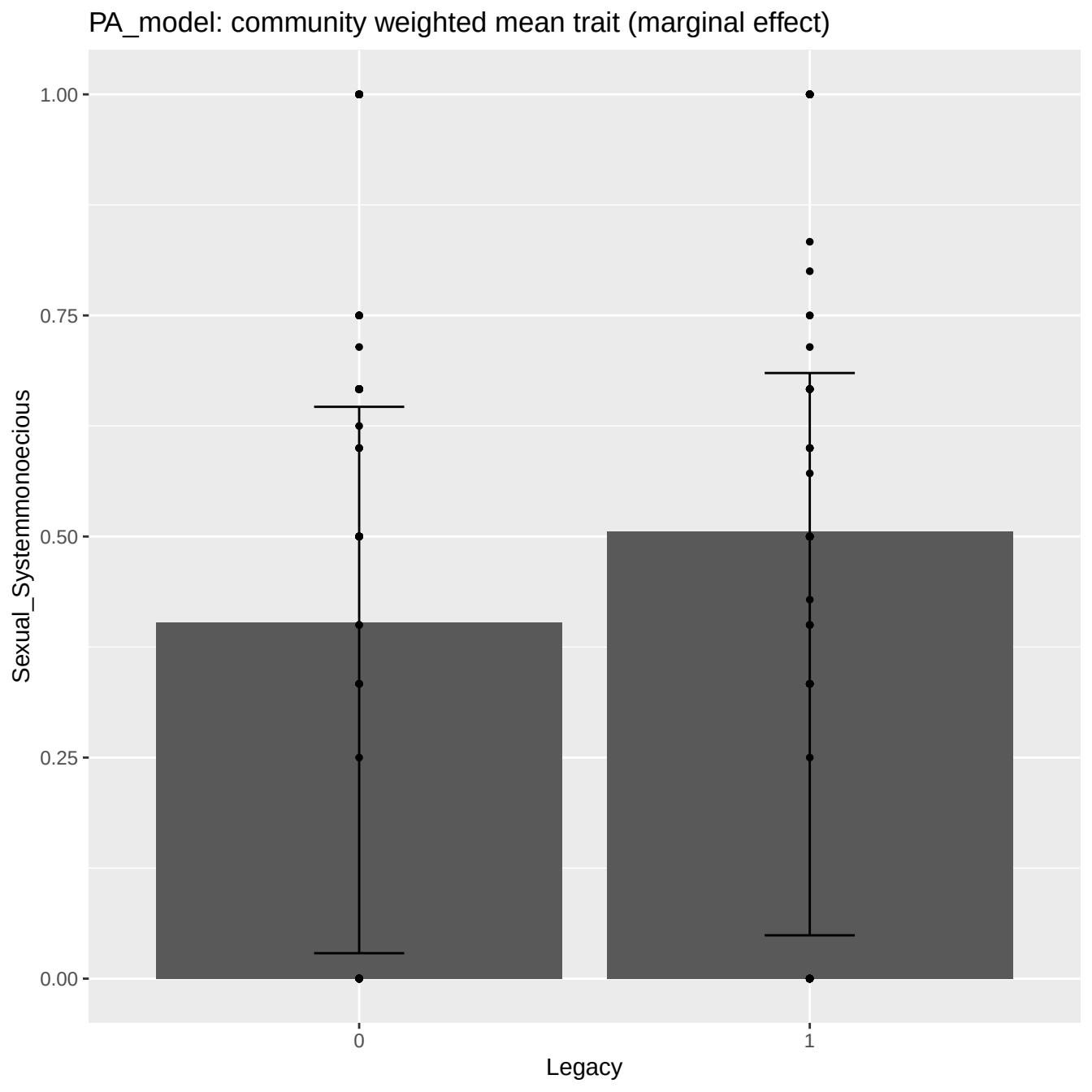

PA_model: community weighted mean trait (total effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Legacy

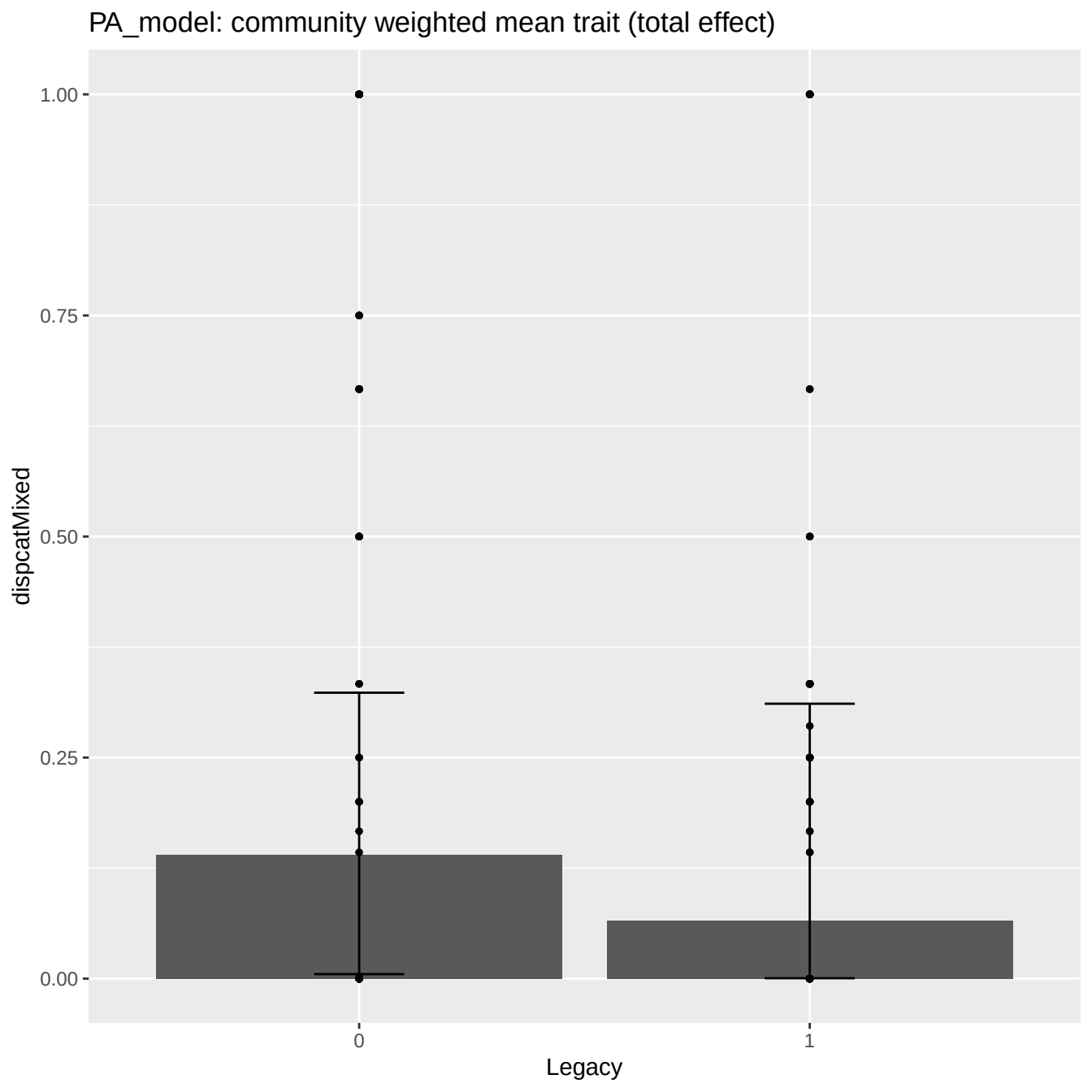

PA_model: community weighted mean trait (marginal effect)
RootDepth
2.5
2.0
1.5
1.0
0.5
0.0
0
1
Legacy

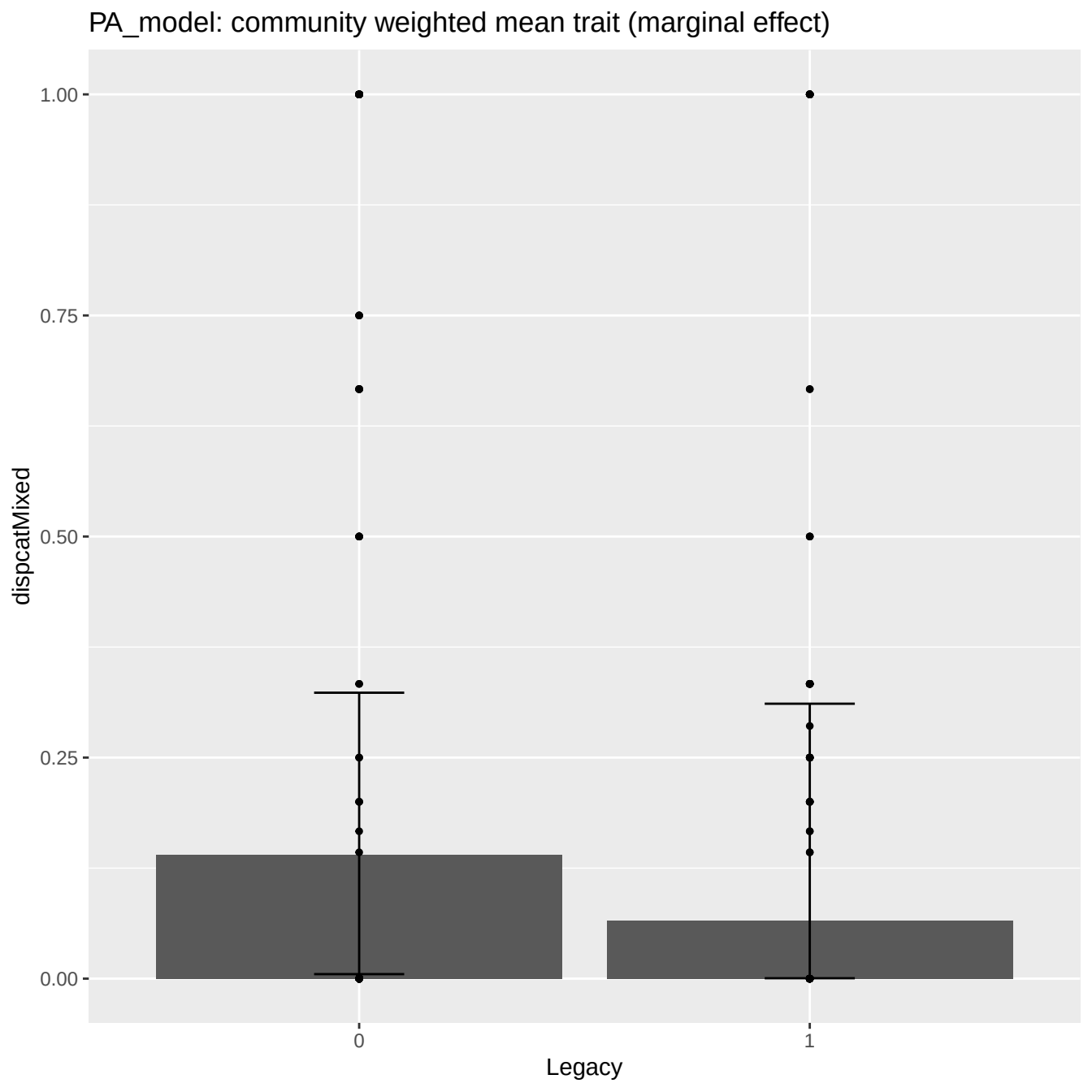

PA_model: community weighted mean trait (total effect)
15
10
5
0
SLA
0
1
Legacy

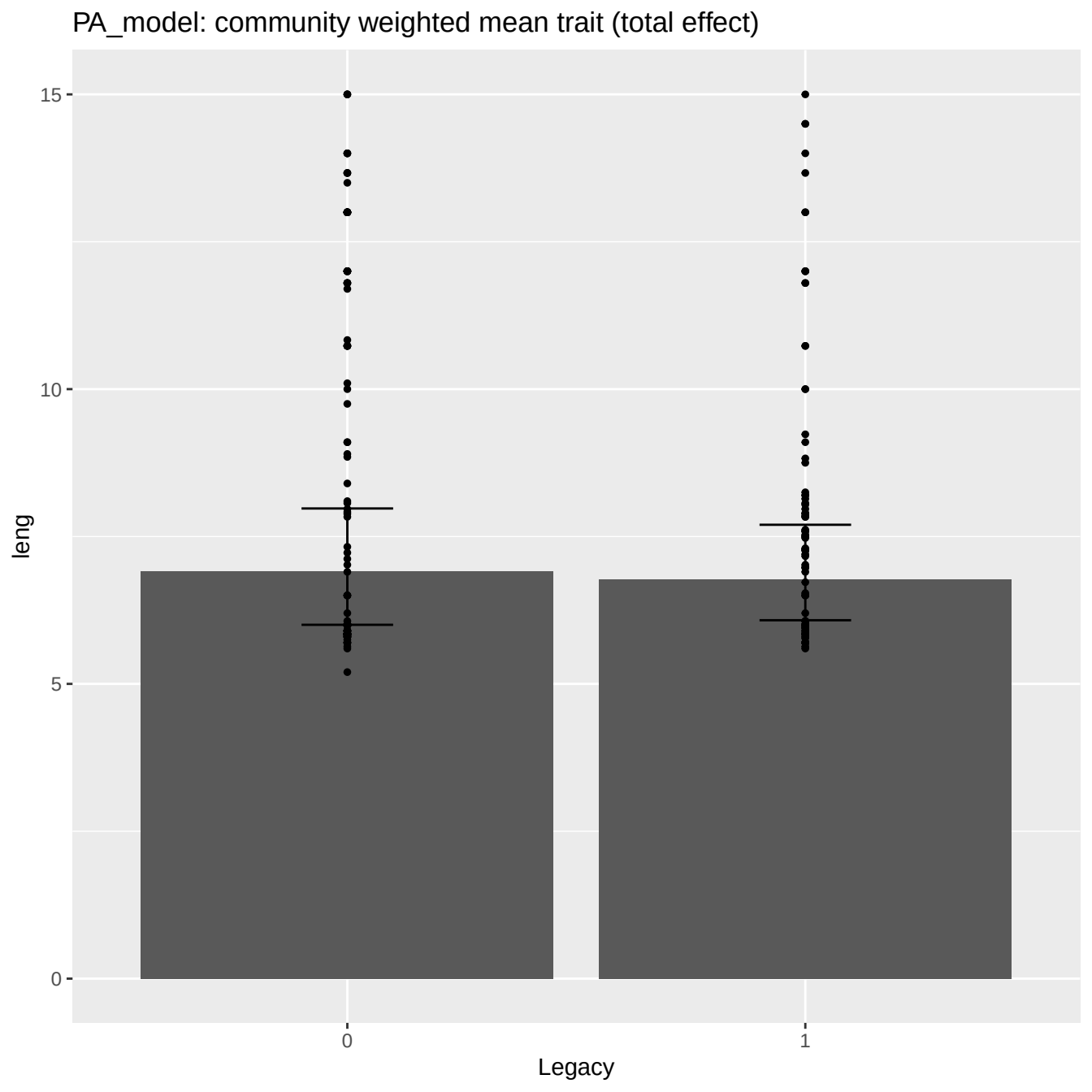

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
SLA
0
1
Legacy

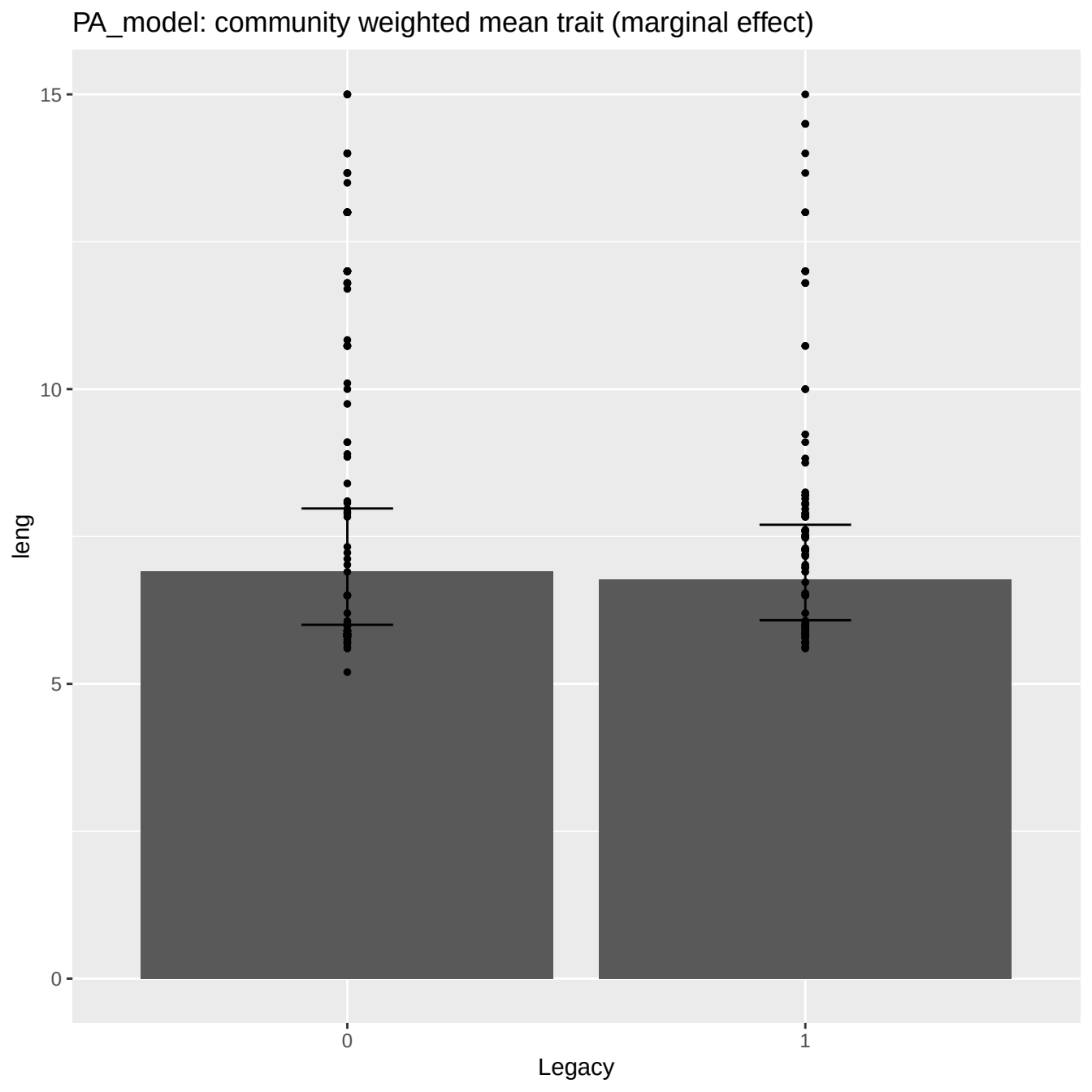

PA_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
1.00
0.75
0.50
0.25
0.00
0
1
Legacy

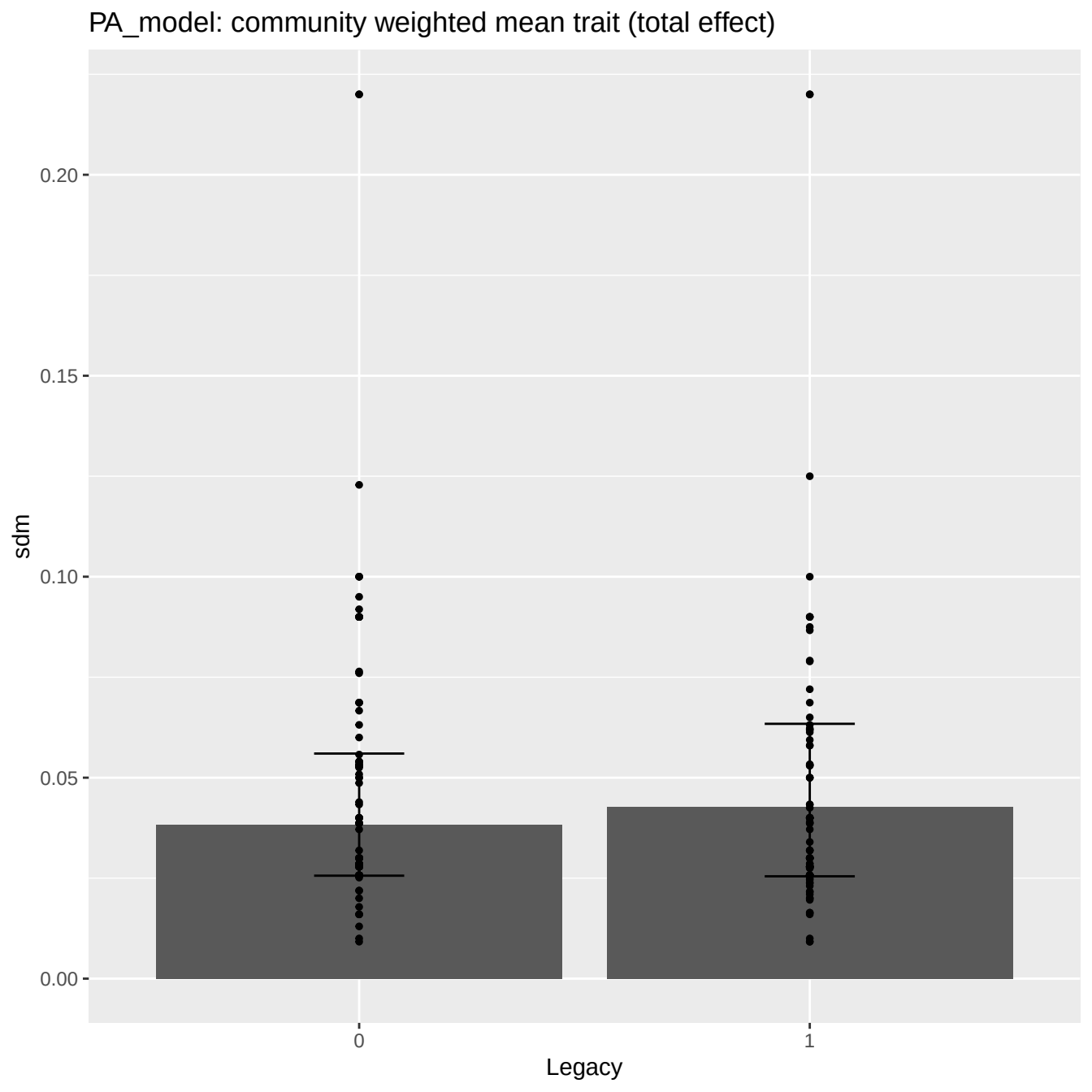

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Legacy

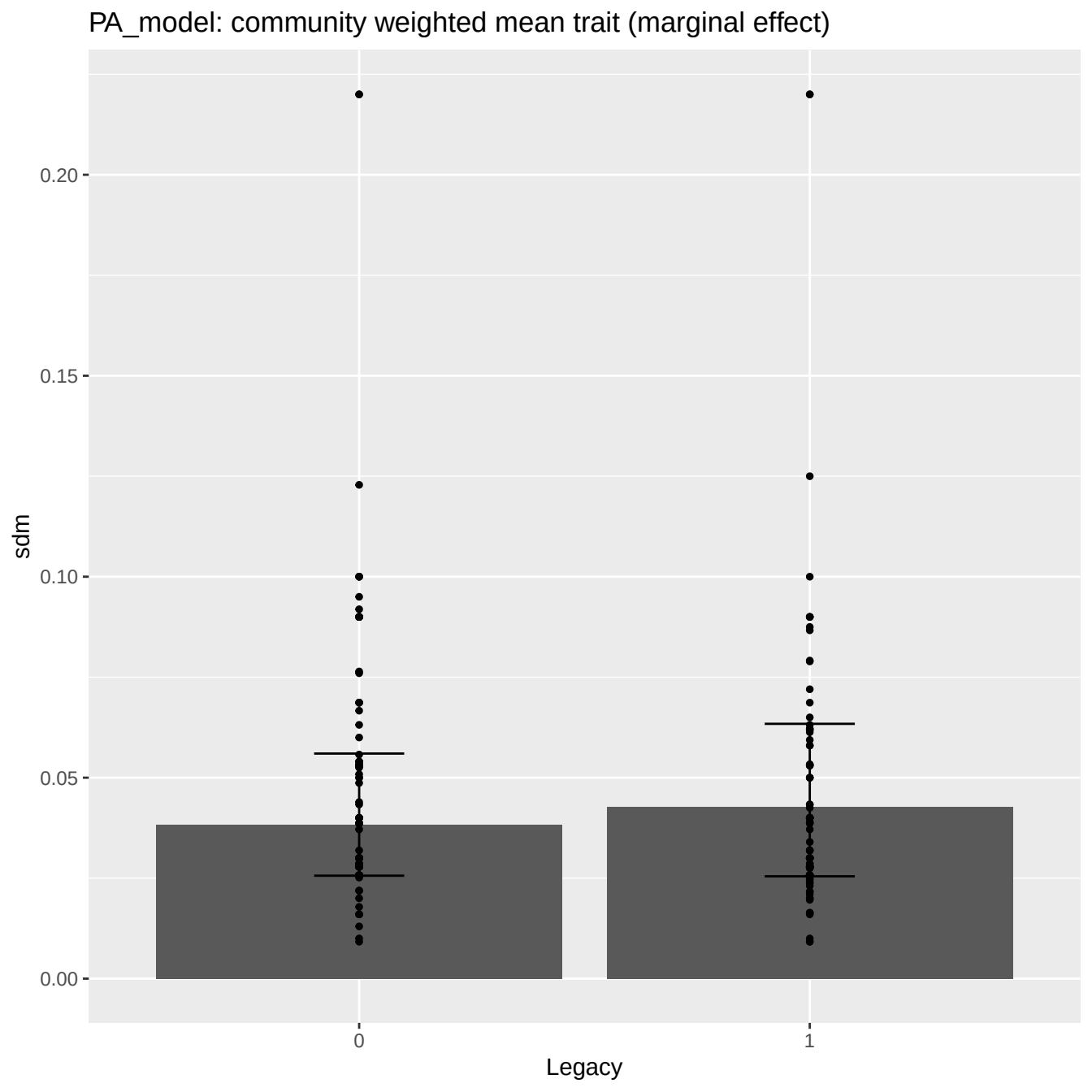

PA_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Legacy

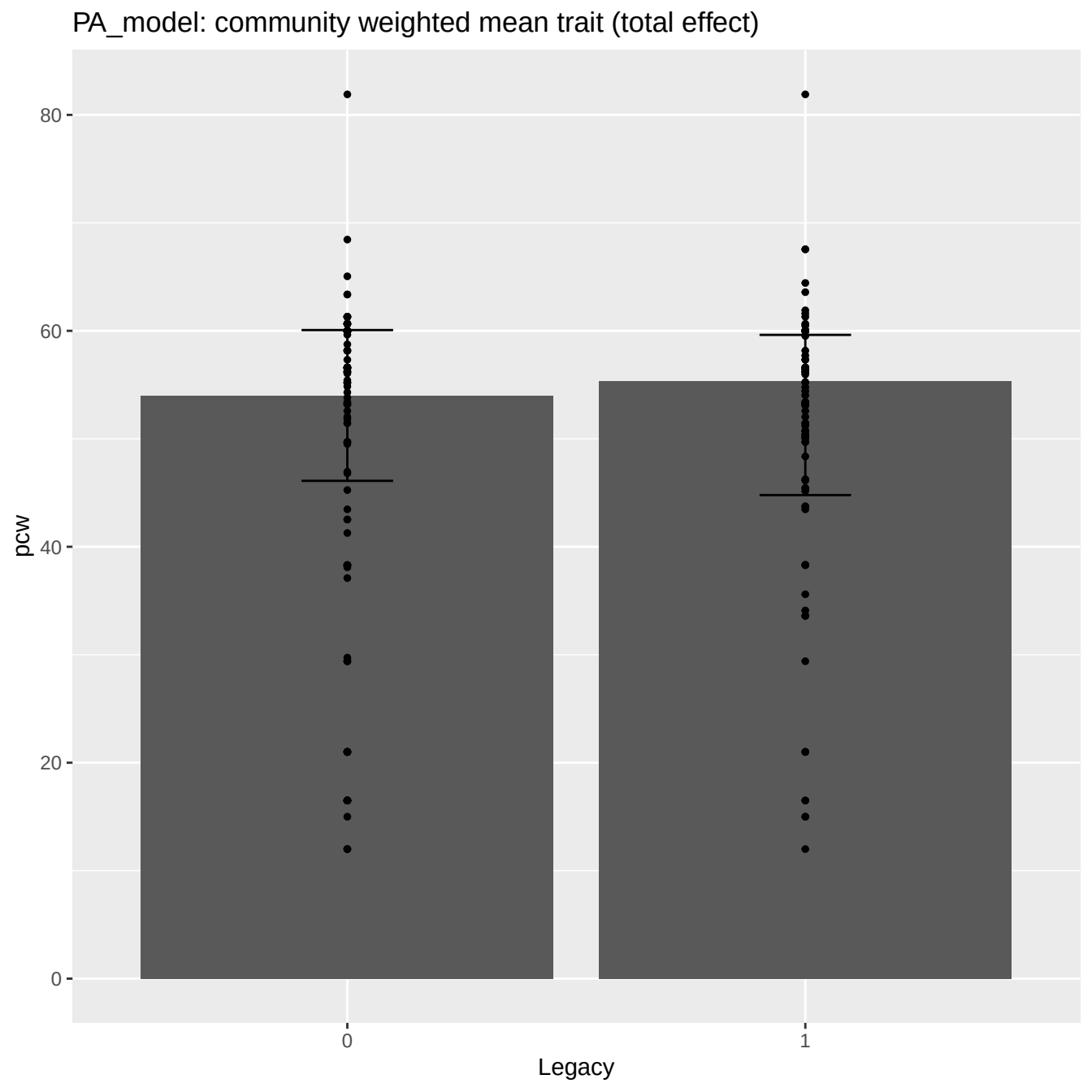

PA_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
dispcatMixed
0
1
Legacy

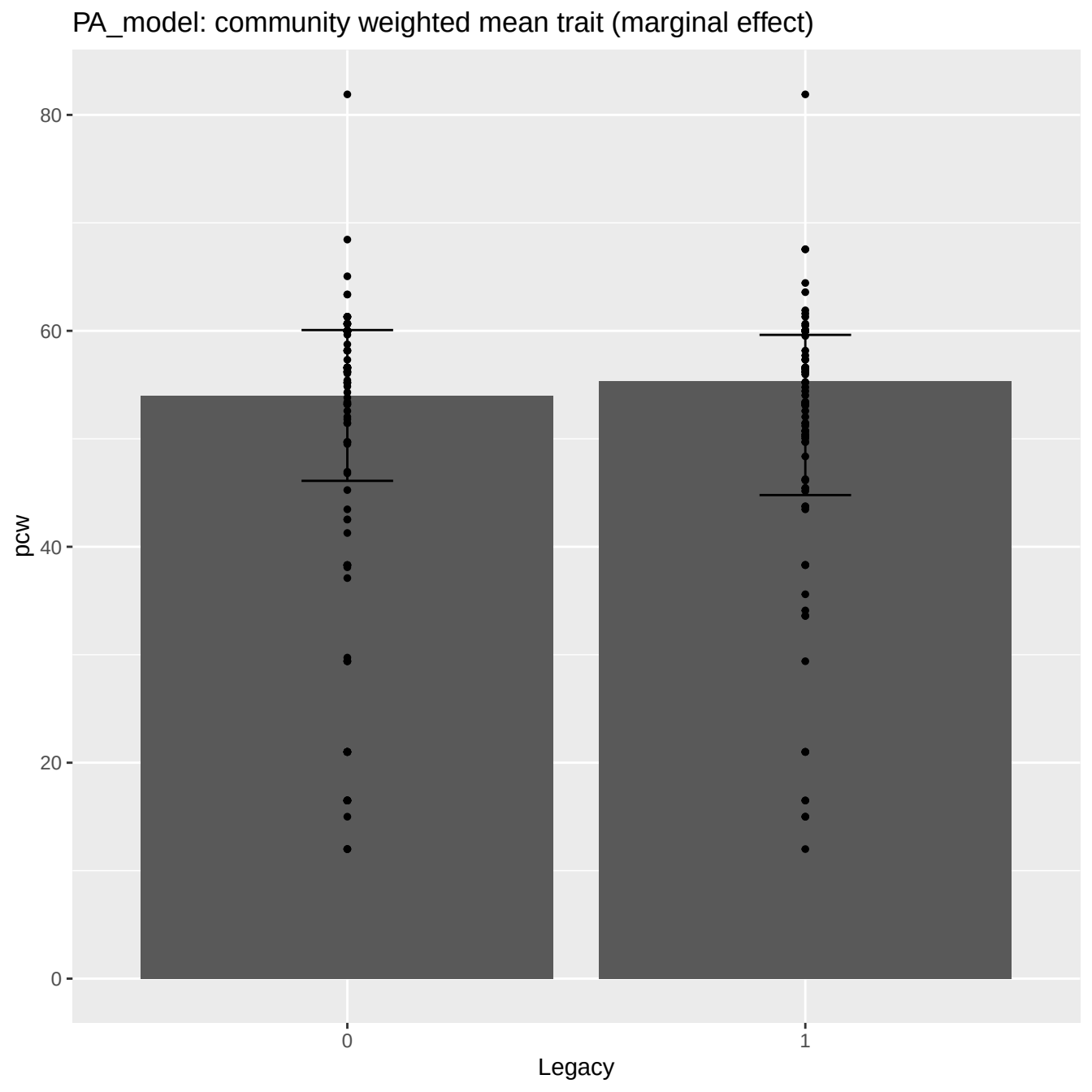

PA_model: community weighted mean trait (total effect)
15
10
5
0
leng
0
1
Legacy

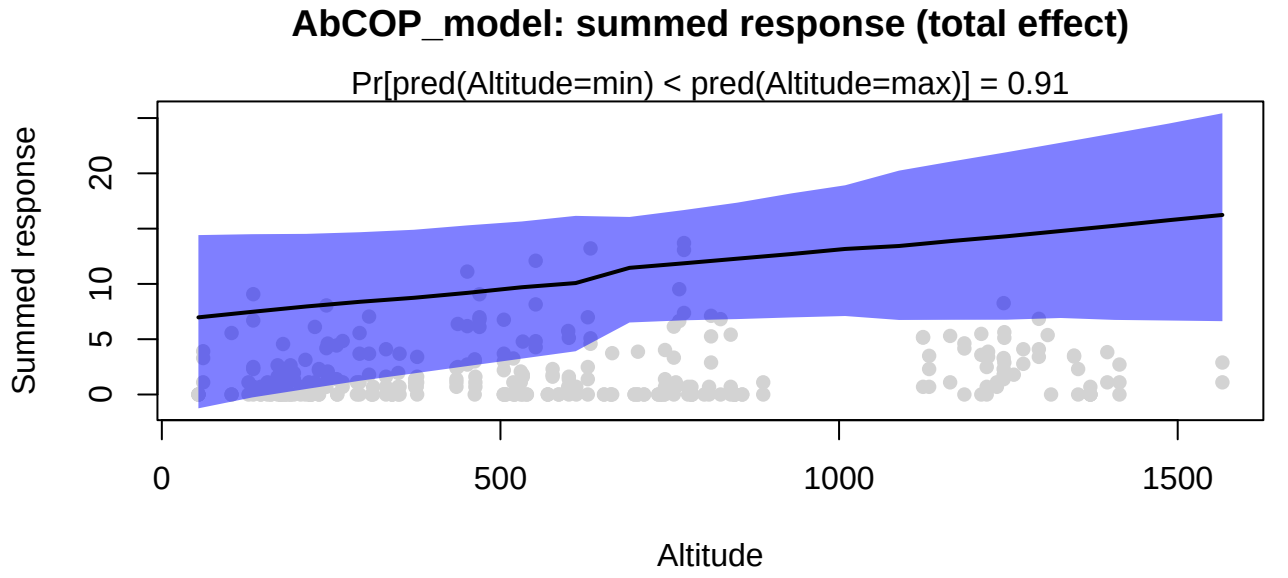

PA_model: community weighted mean trait (marginal effect)
15
10
5
0
leng
0
1
Legacy

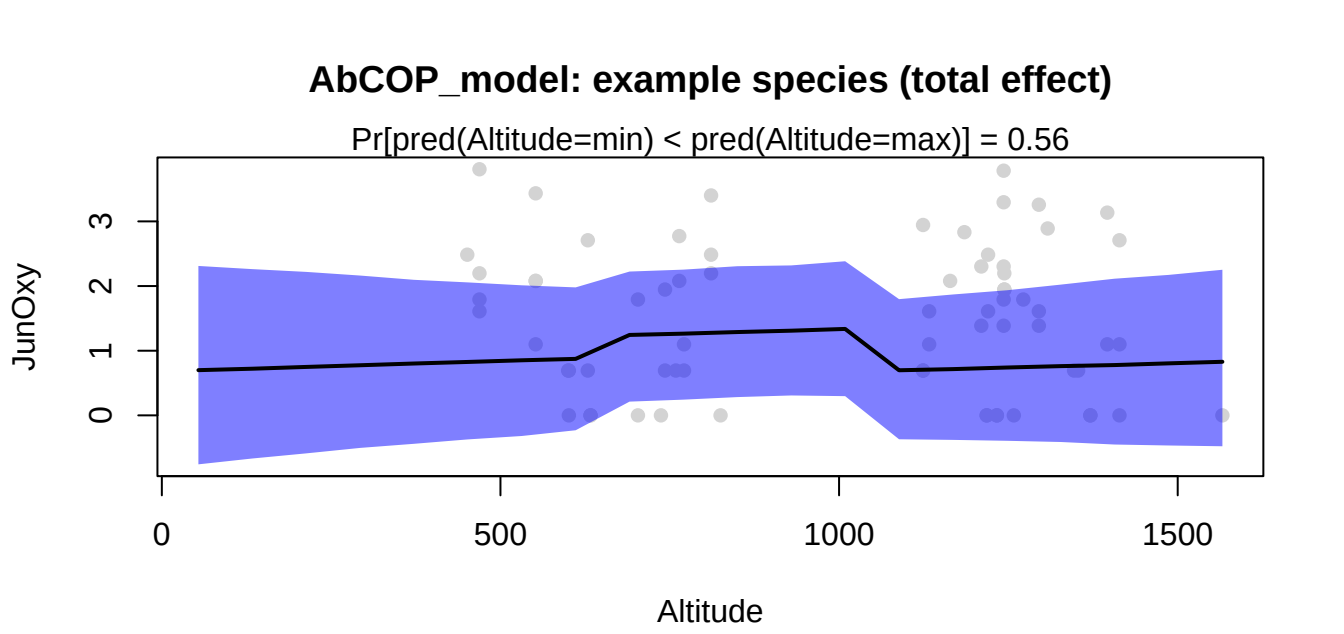

PA_model: community weighted mean trait (total effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Legacy

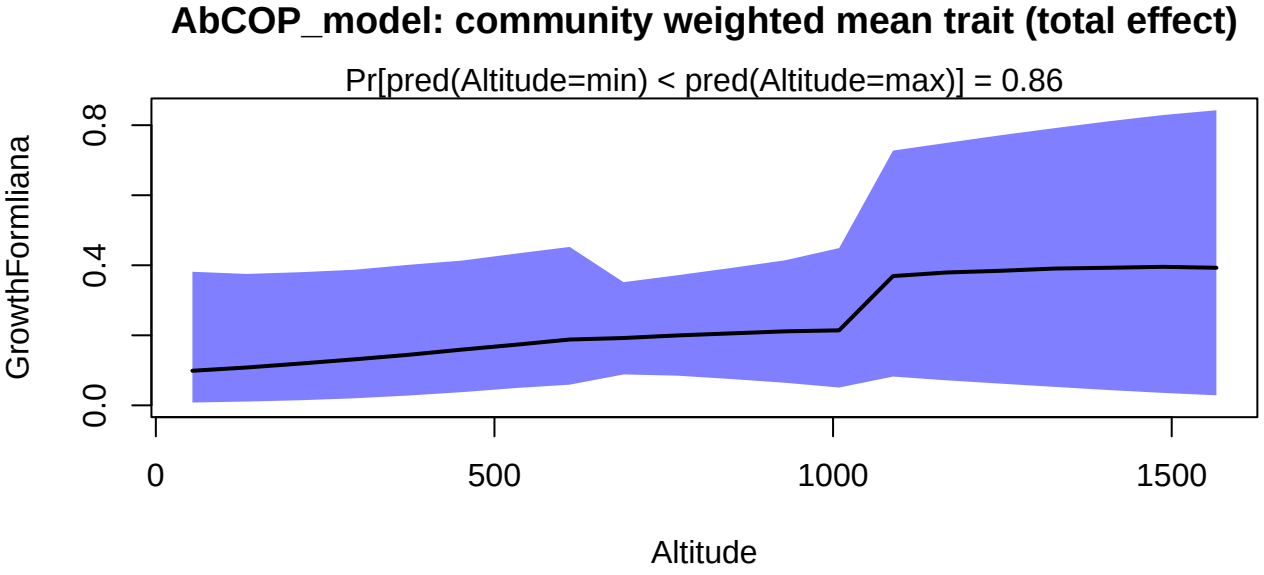

PA_model: community weighted mean trait (marginal effect)
sdm
0.20
0.15
0.10
0.05
0.00
0
1
Legacy

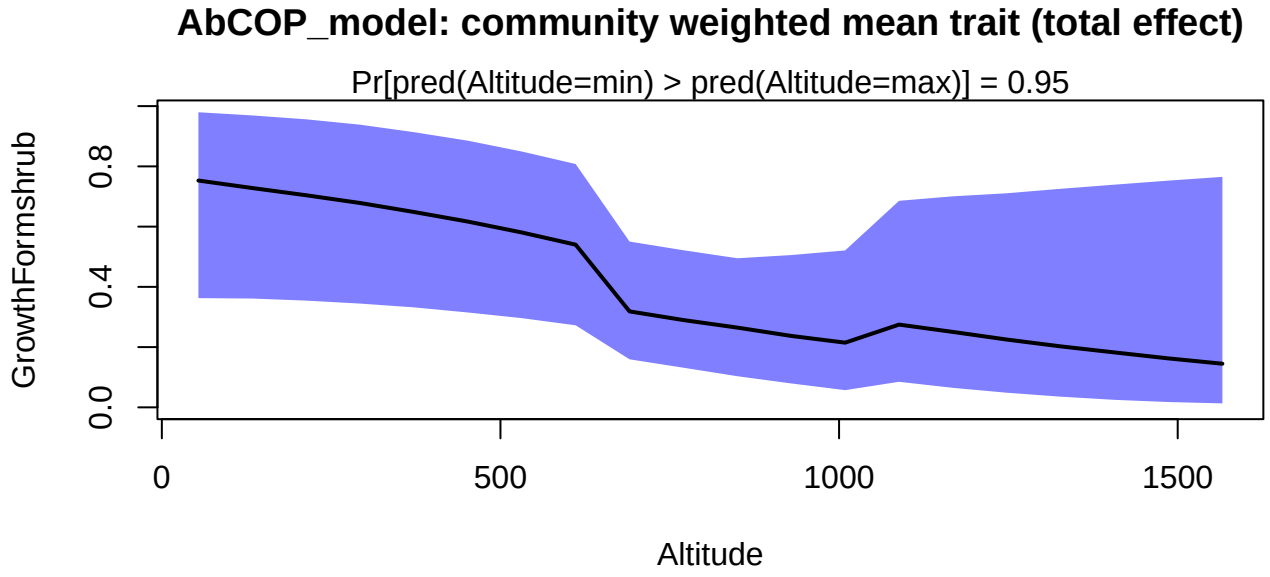

PA_model: community weighted mean trait (total effect)
80
60
40
20
0
pcw
0
1
Legacy

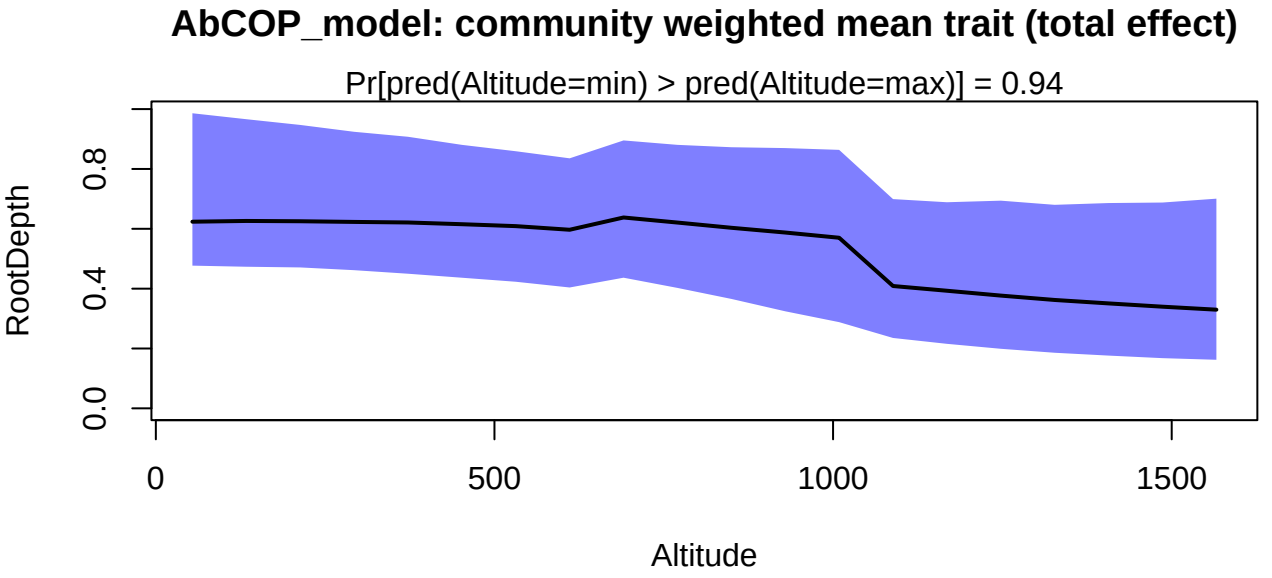

PA_model: community weighted mean trait (marginal effect)
80
60
40
20
0
pcw
0
1
Legacy

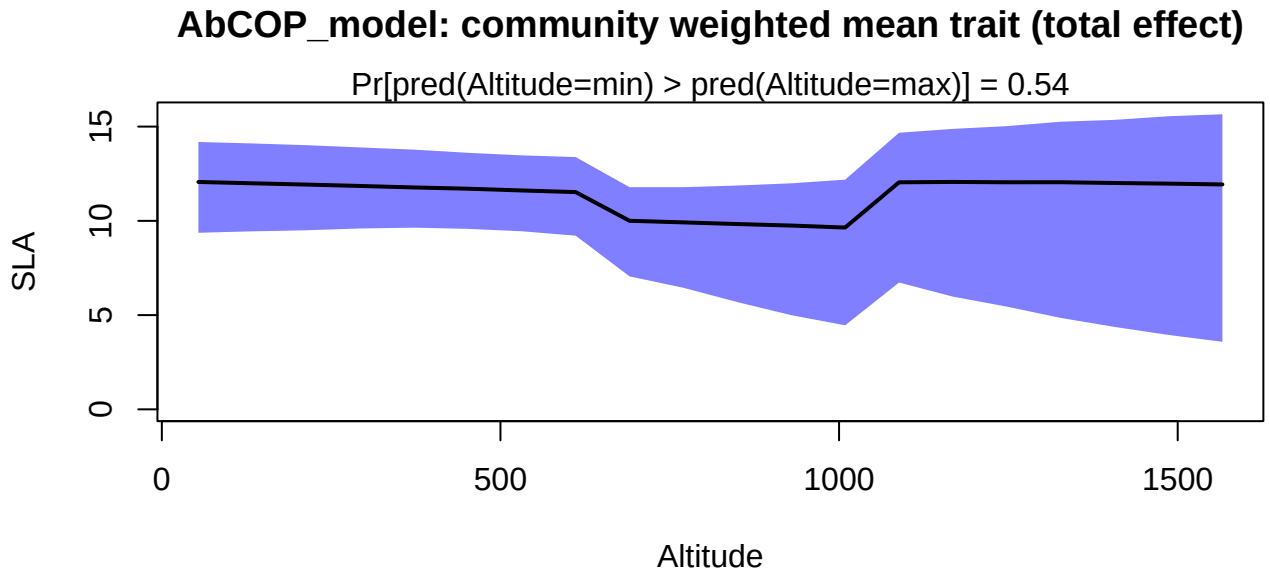

AbCOP_model: summed response (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.91
Summed response
0
5
10
20
0
500
1000
1500
Altitude

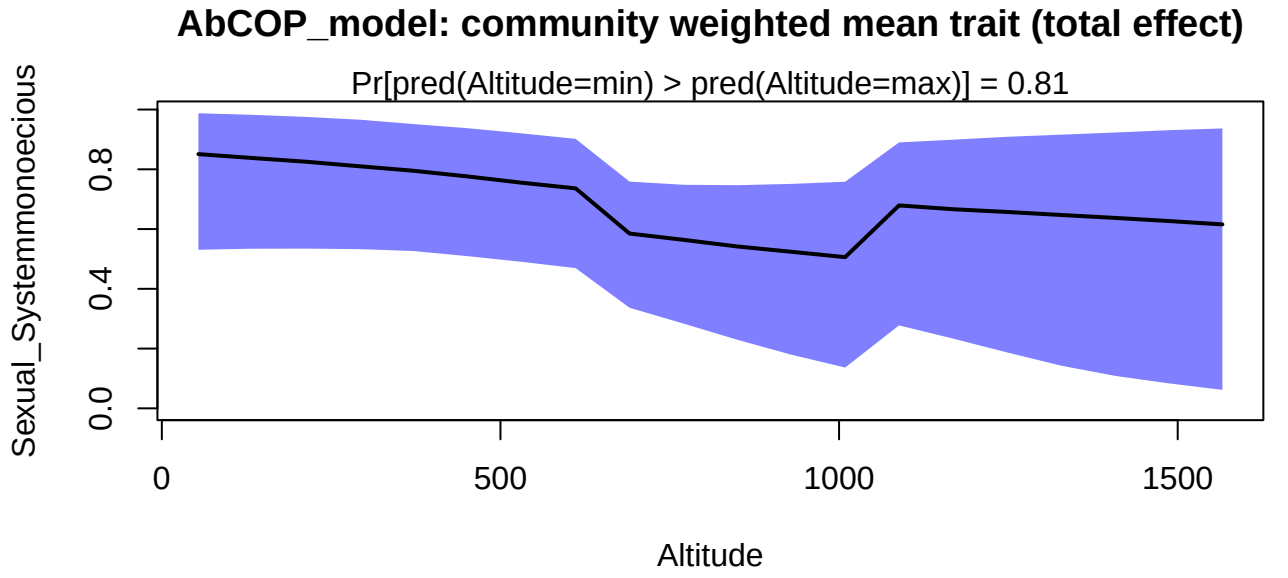

AbCOP_model: example species (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.56
JunOxy
0
1
2
3
0
500
1000
1500
Altitude

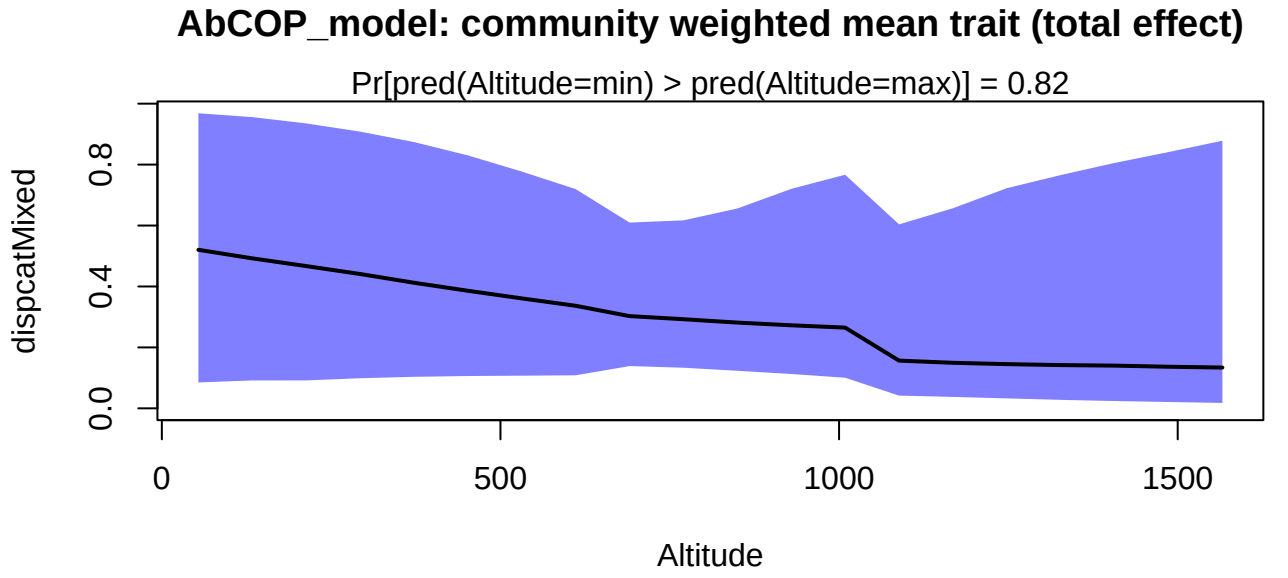

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) < pred(Altitude=max)] = 0.86
GrowthFormliana
0.0
0.4
0.8
0
500
1000
1500
Altitude

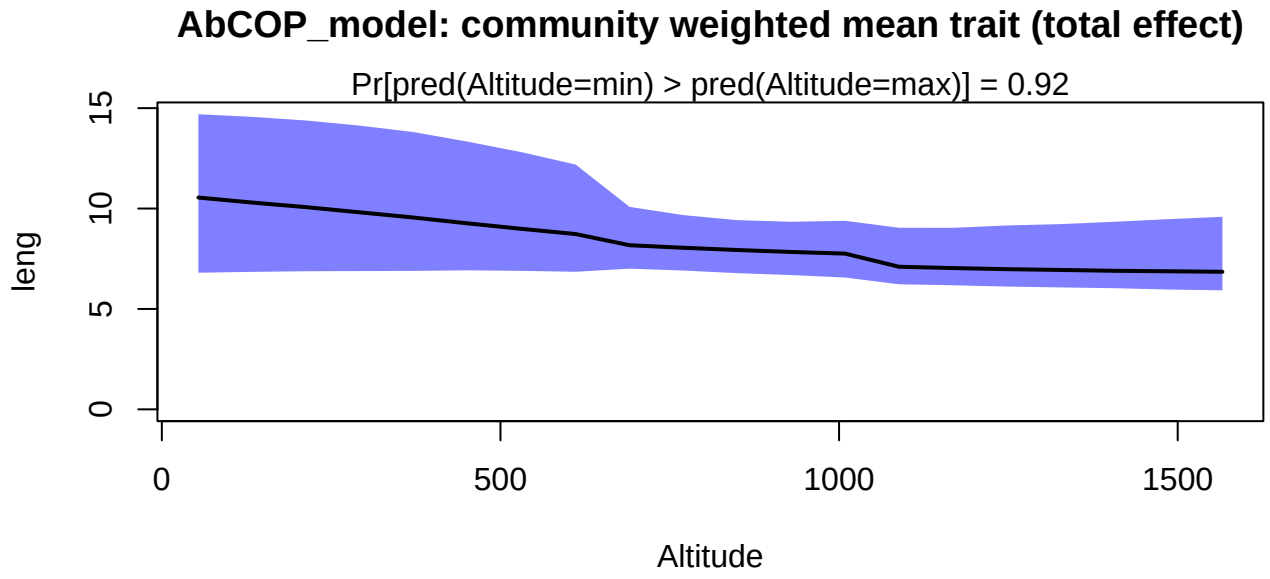

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.95
GrowthFormshrub
0.0
0.4
0.8
0
500
1000
1500
Altitude

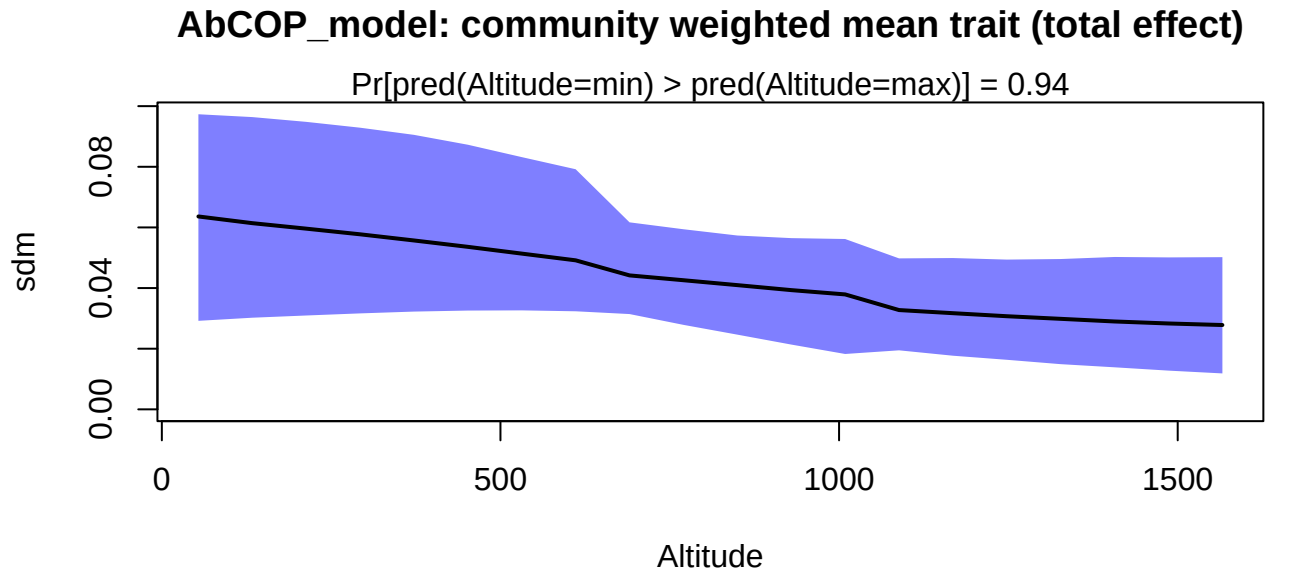

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.94
RootDepth
0.0
0.4
0.8
0
500
1000
1500
Altitude

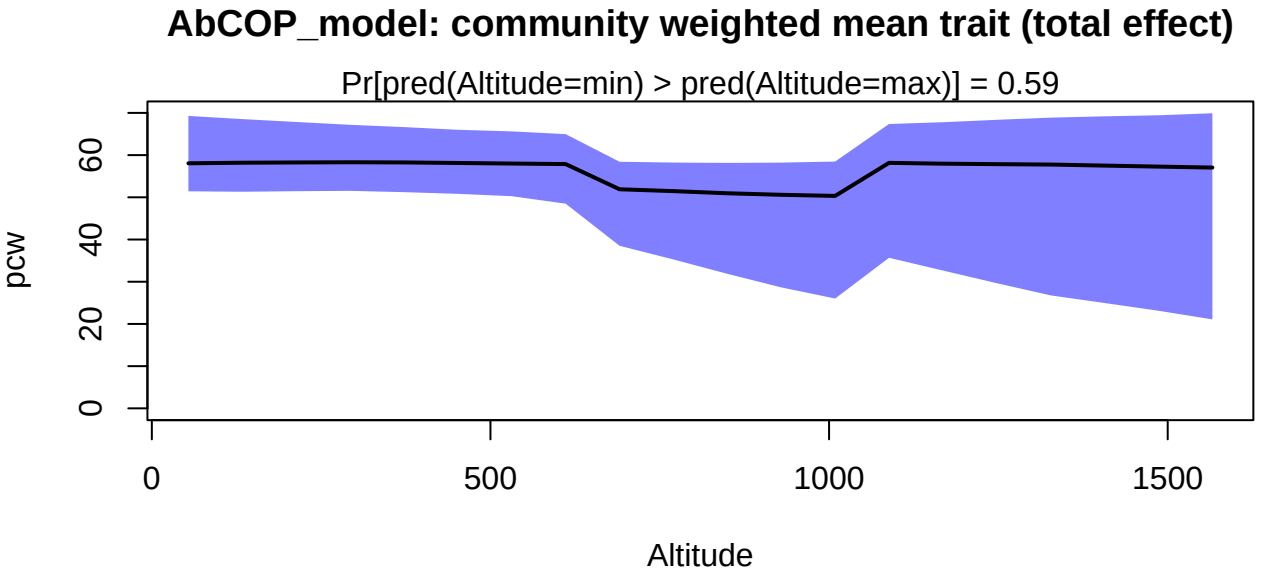

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.54
SLA
0
5
10
15
0
500
1000
1500
Altitude

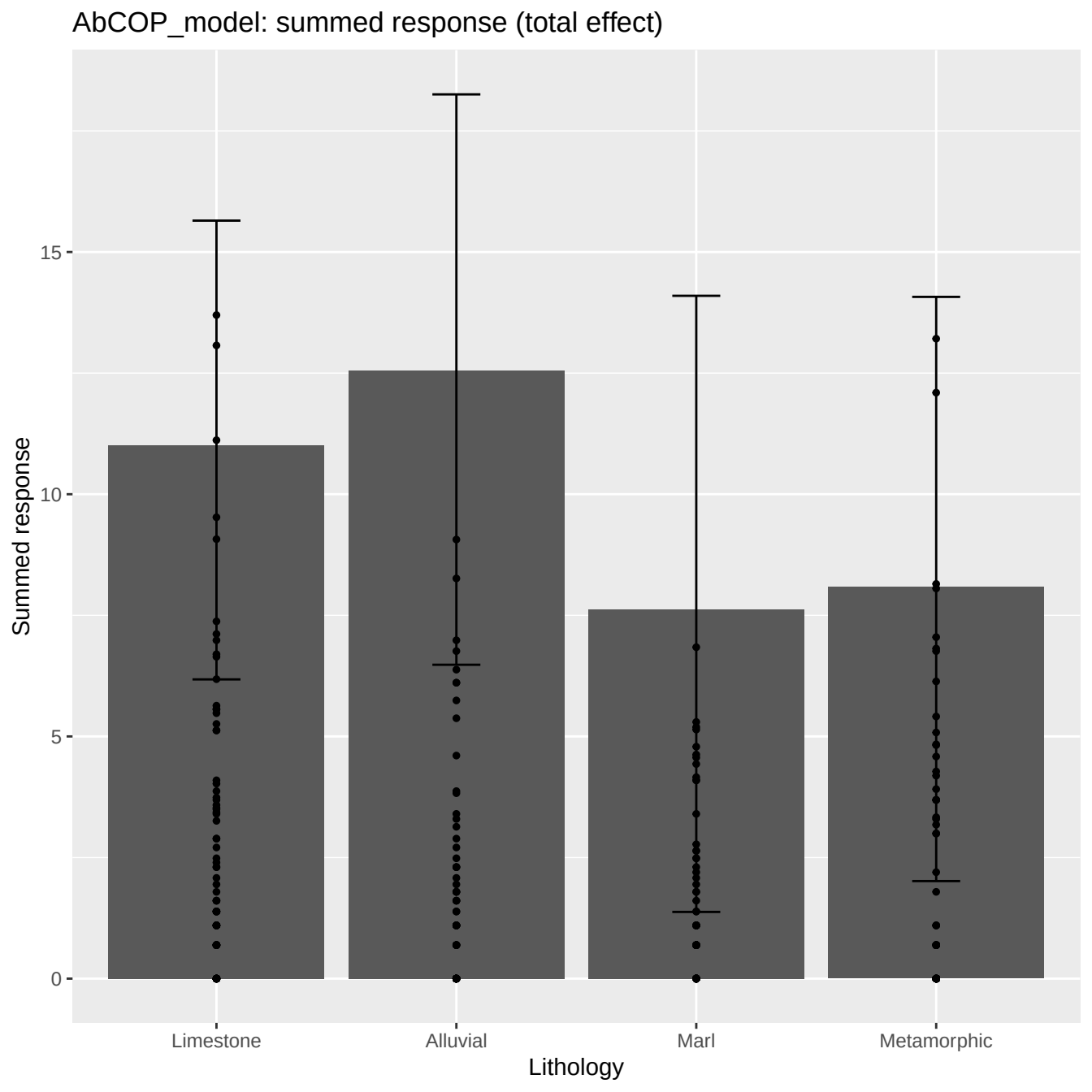

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.81
Sexual_Systemmonoecious
0.0
0.4
0.8
0
500
1000
1500
Altitude

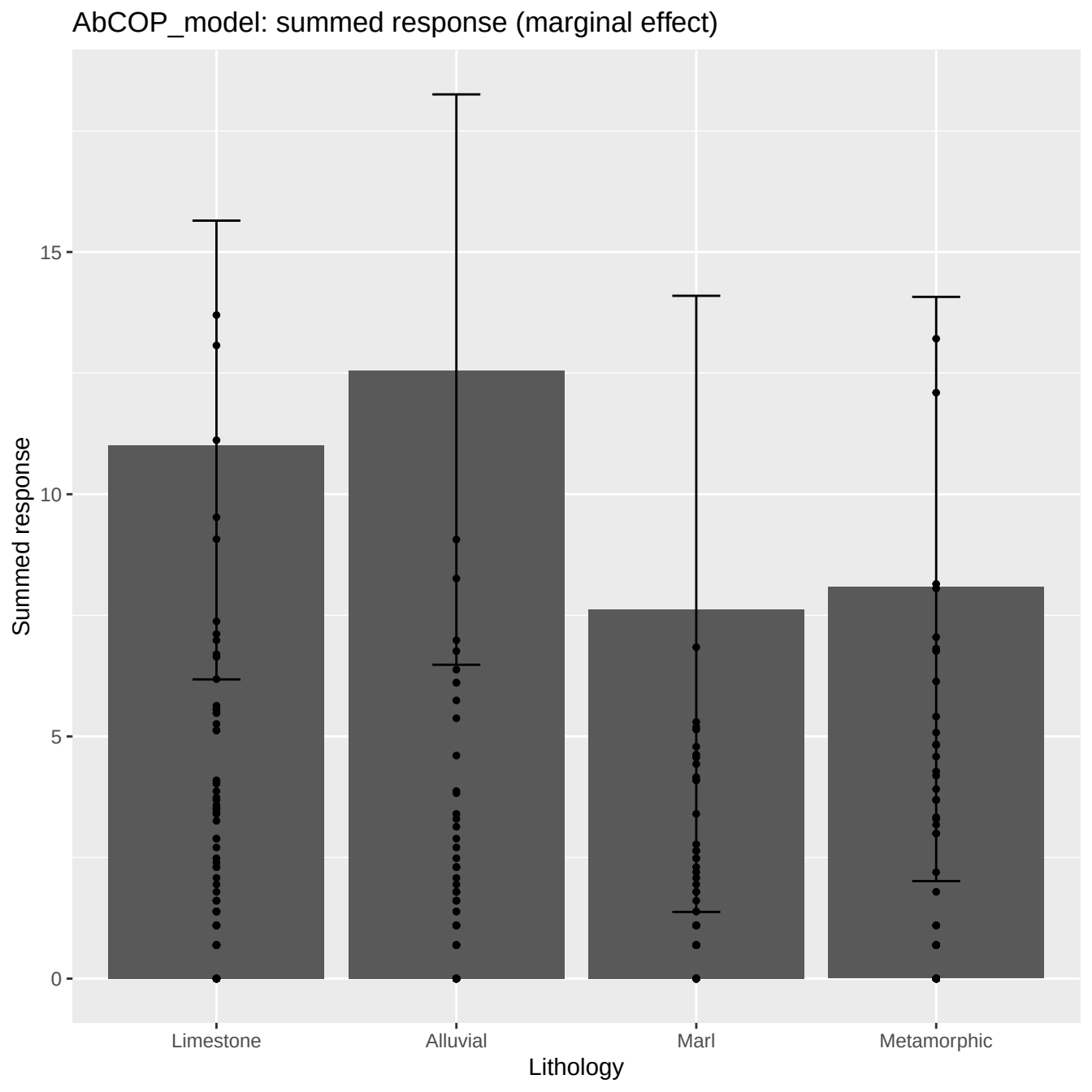

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.82
dispcatMixed
0.0
0.4
0.8
0
500
1000
1500
Altitude

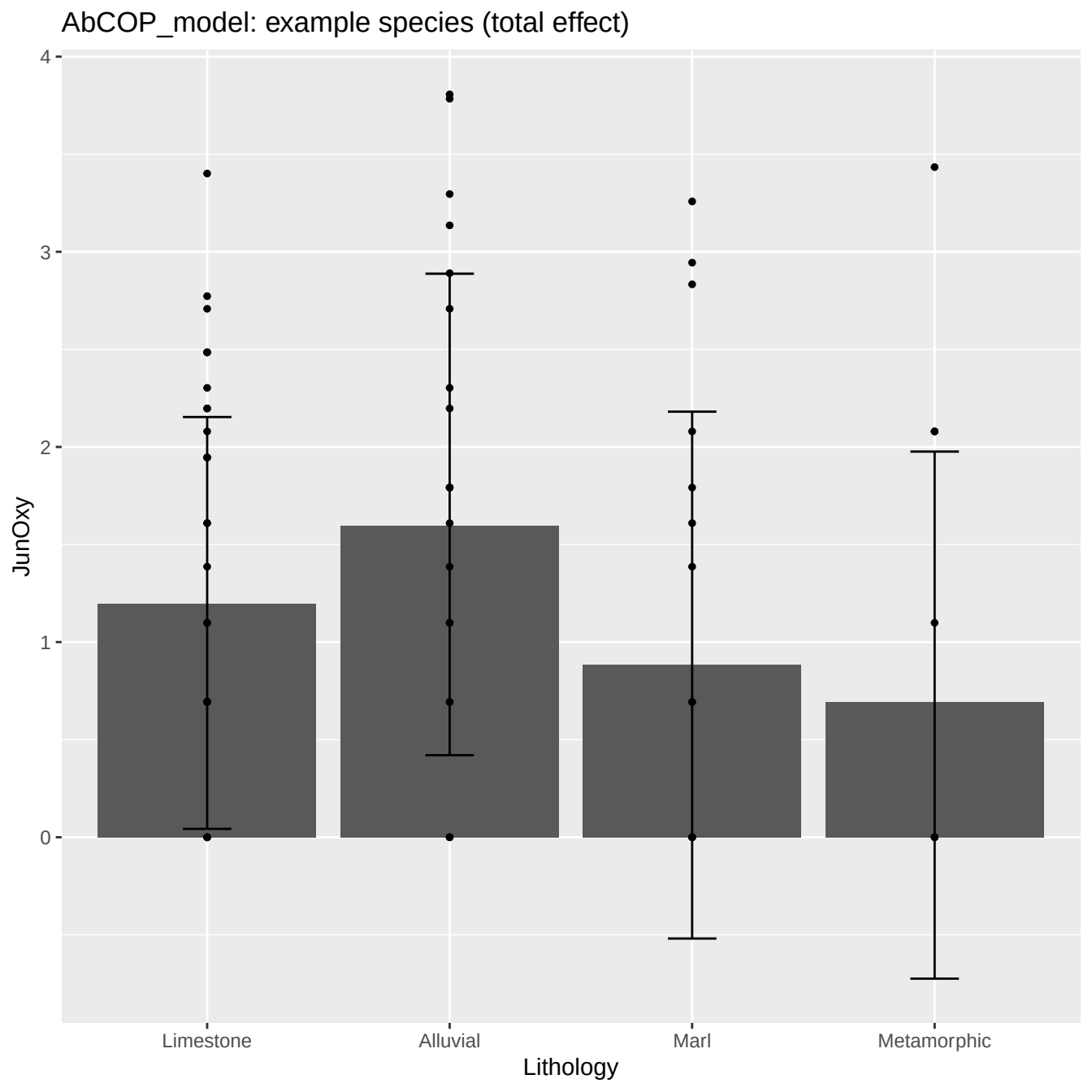

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.92
leng
0
5
10
15
0
500
1000
1500
Altitude

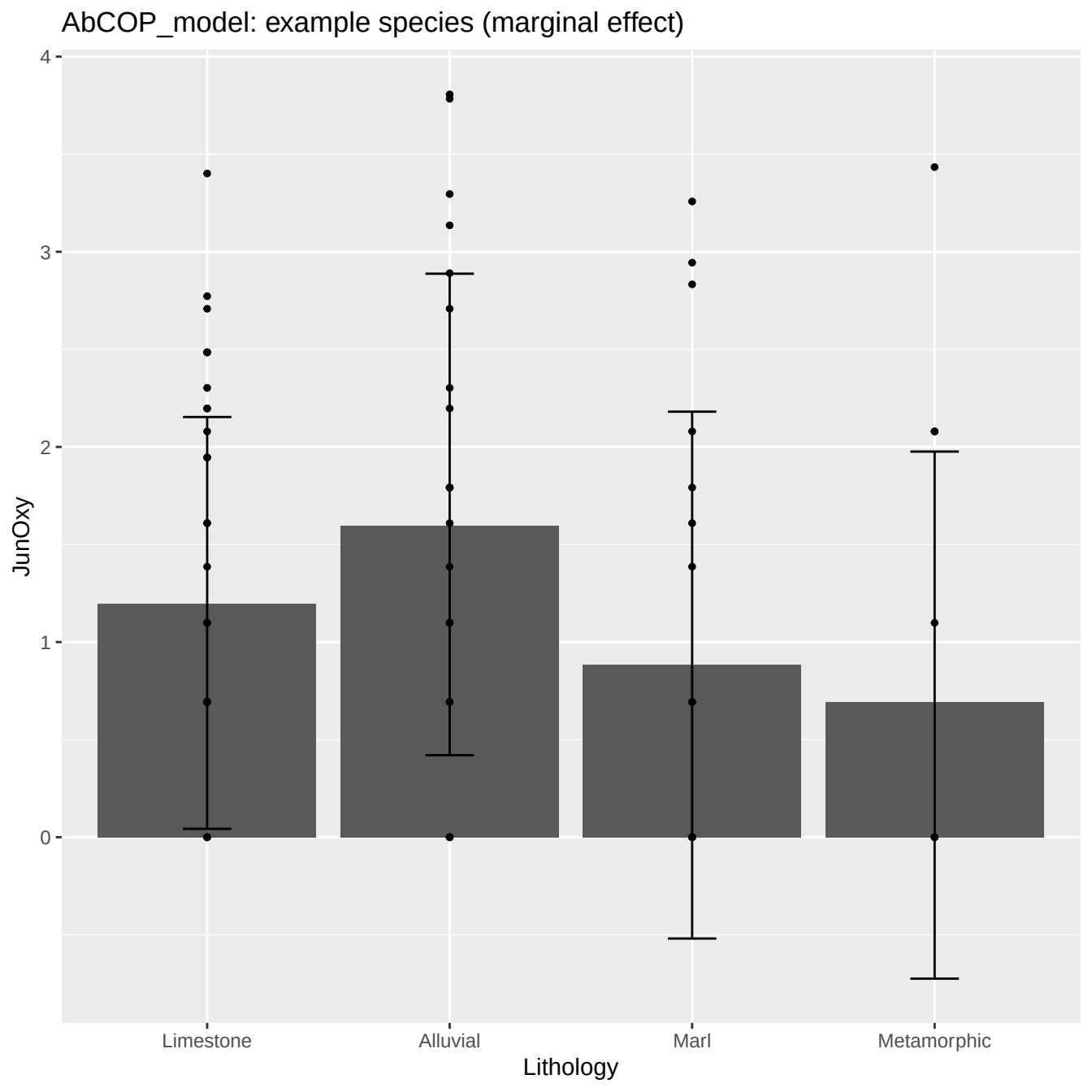

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.94
sdm
0.00
0.04
0.08
0
500
1000
1500
Altitude

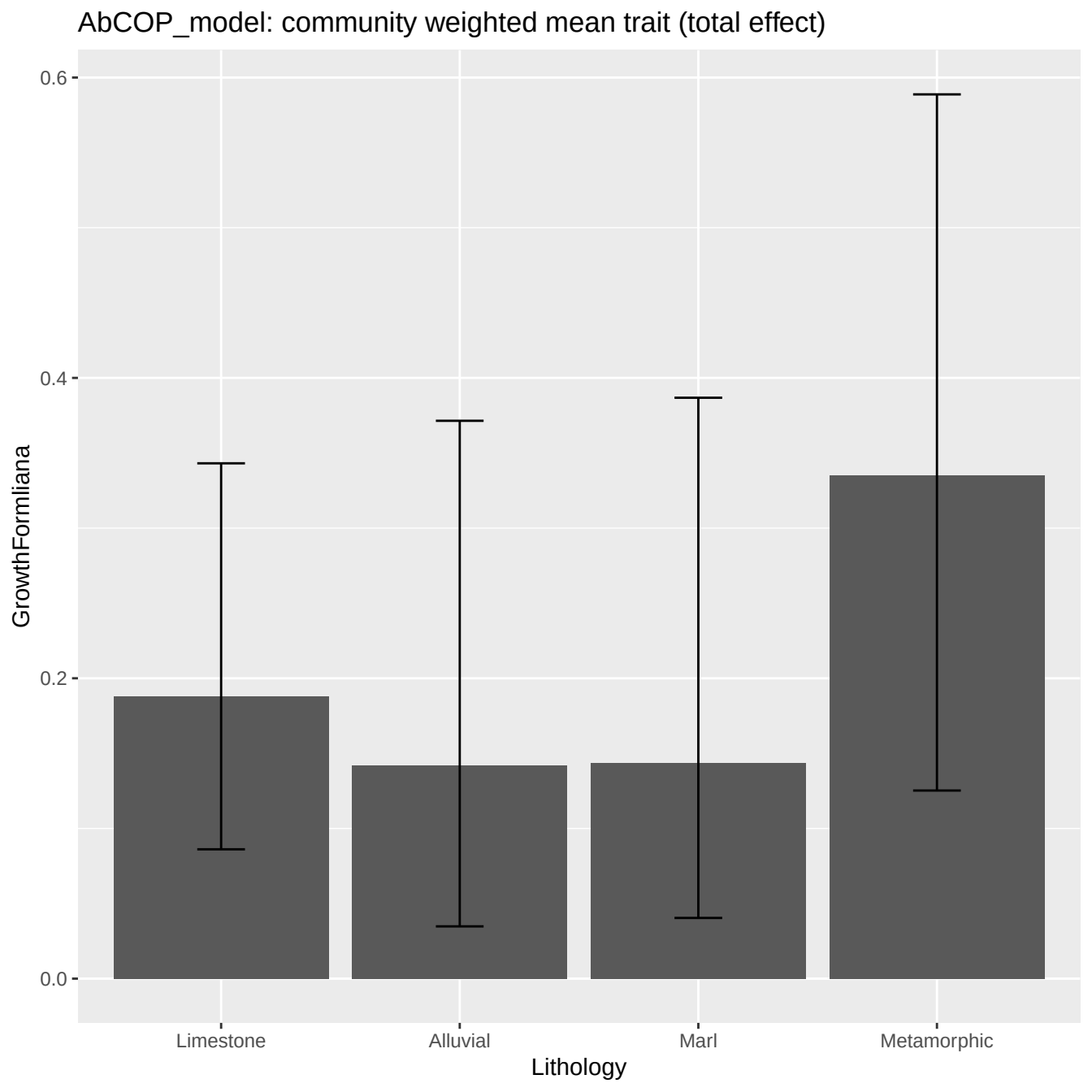

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Altitude=min) > pred(Altitude=max)] = 0.59
pcw
0
20
40
60
0
500
1000
1500
Altitude

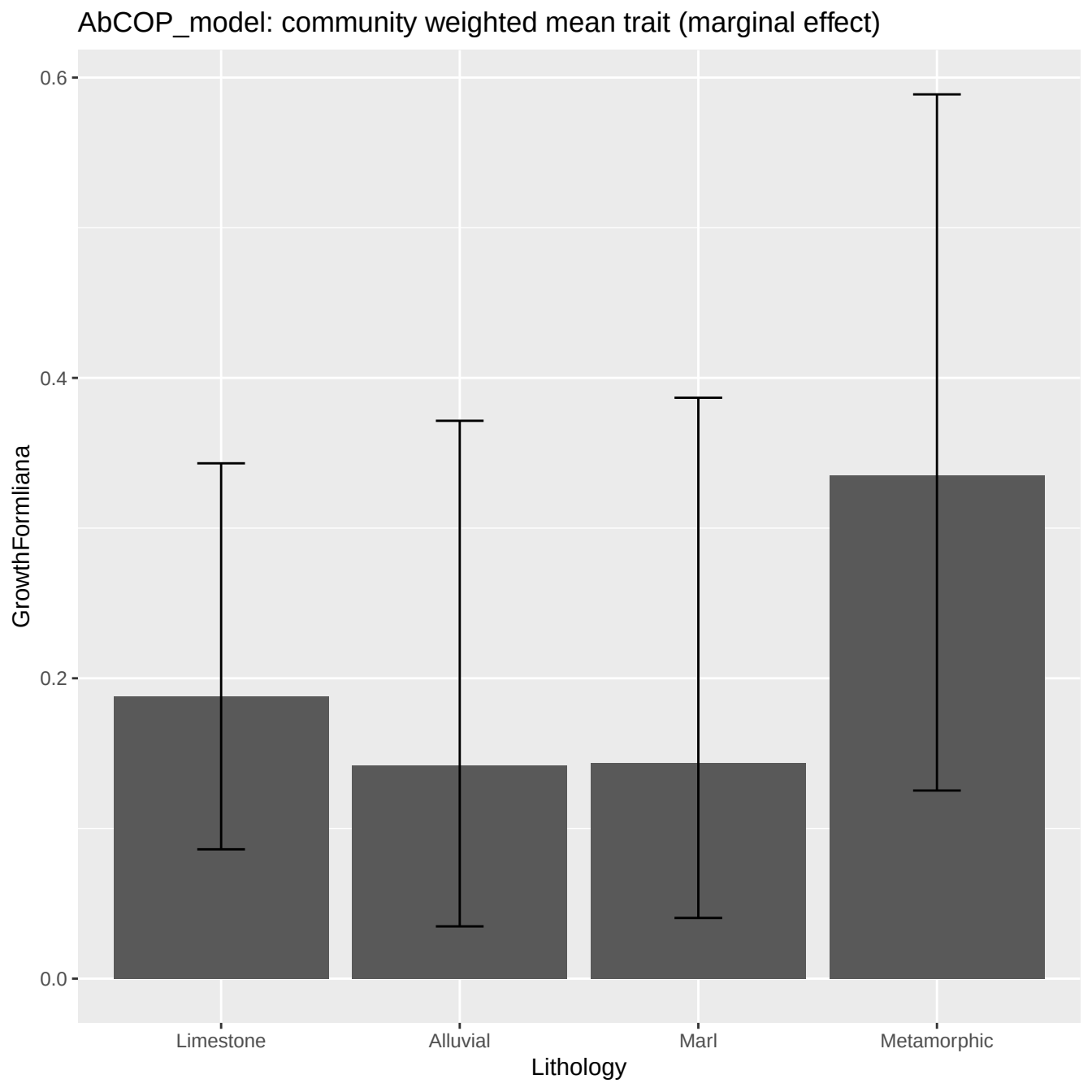

AbCOP_model: summed response (total effect)
Summed response
15
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

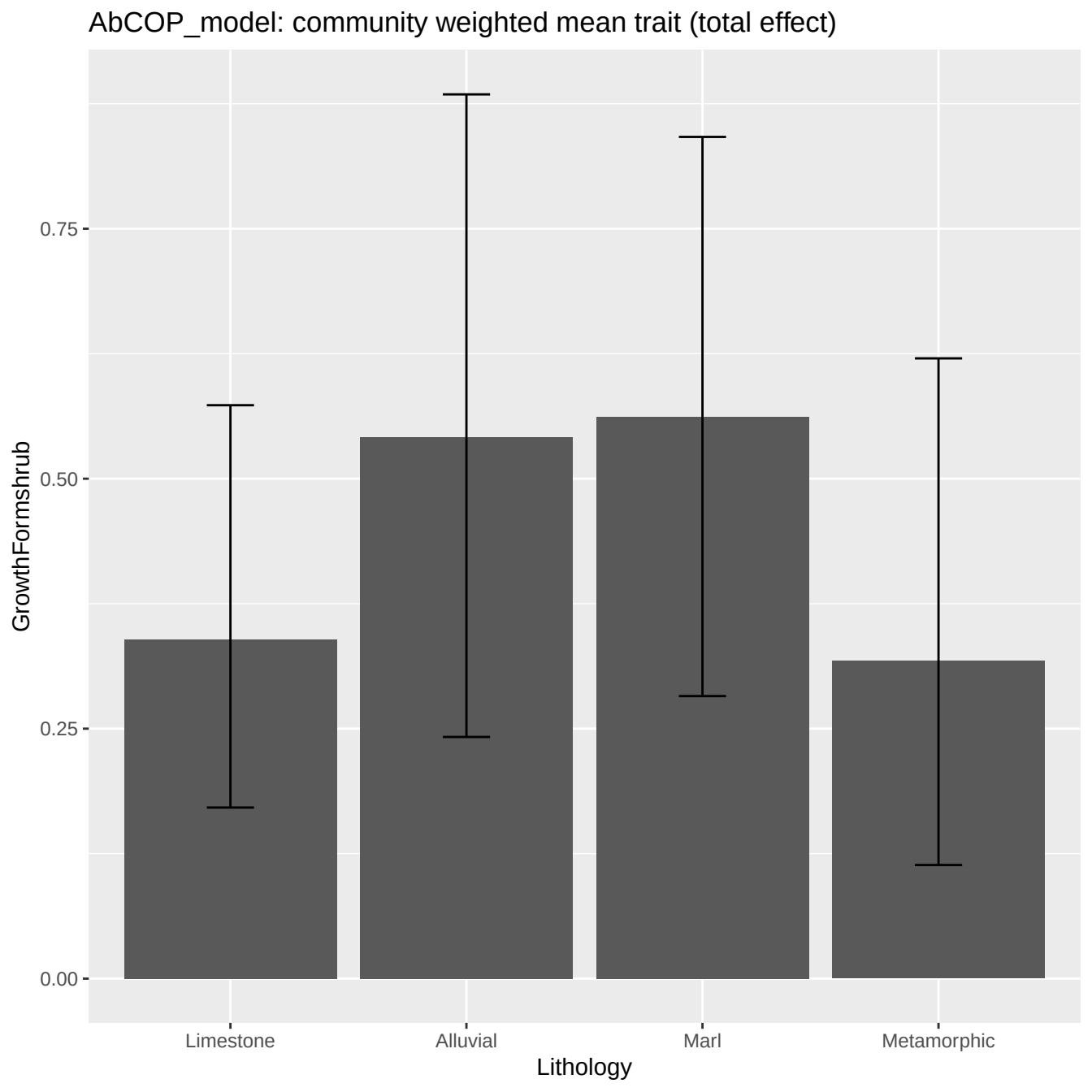

AbCOP_model: summed response (marginal effect)
Summed response
15
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

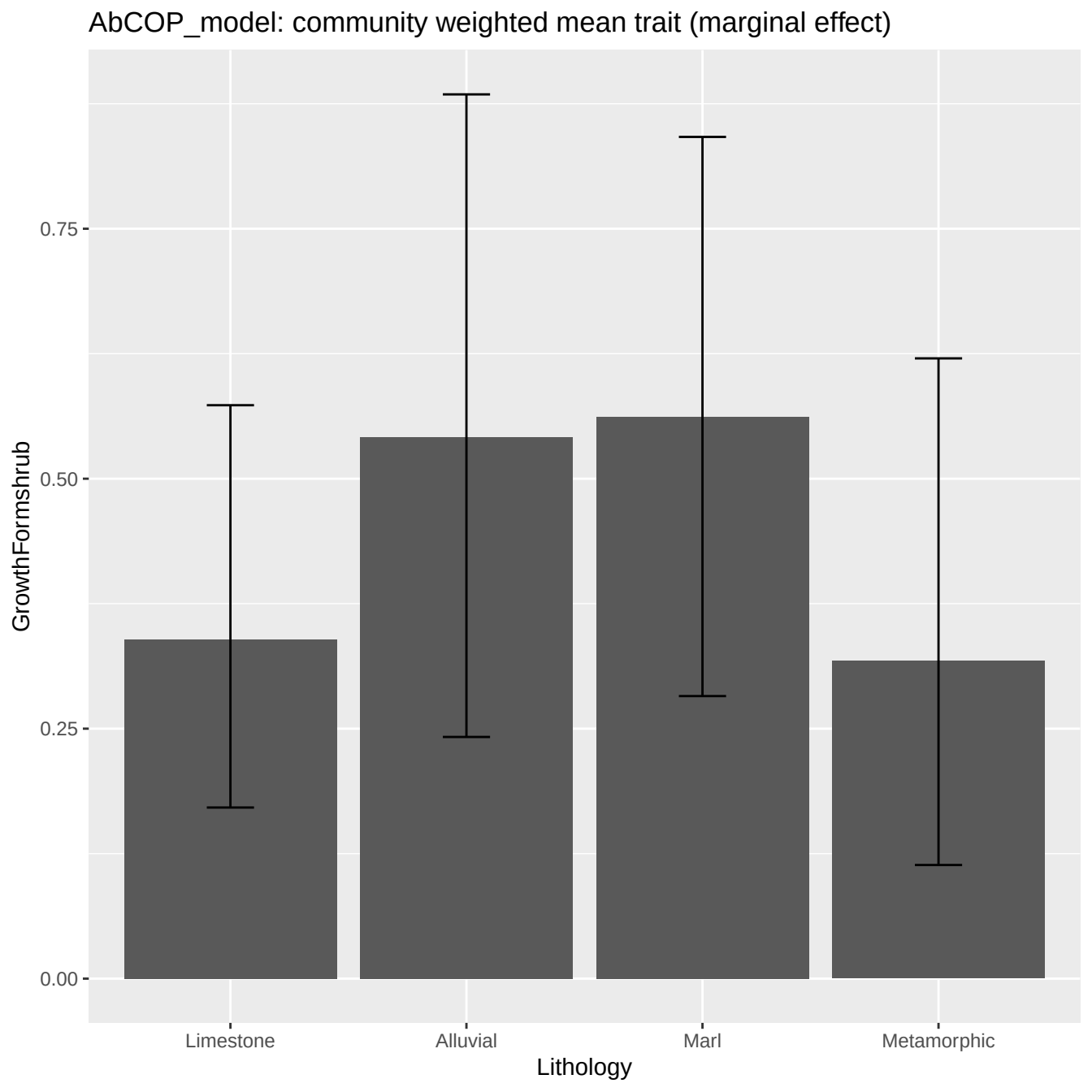

AbCOP_model: example species (total effect)
4
3
2
1
0
JunOxy
Limestone
Alluvial
Marl
Metamorphic
Lithology

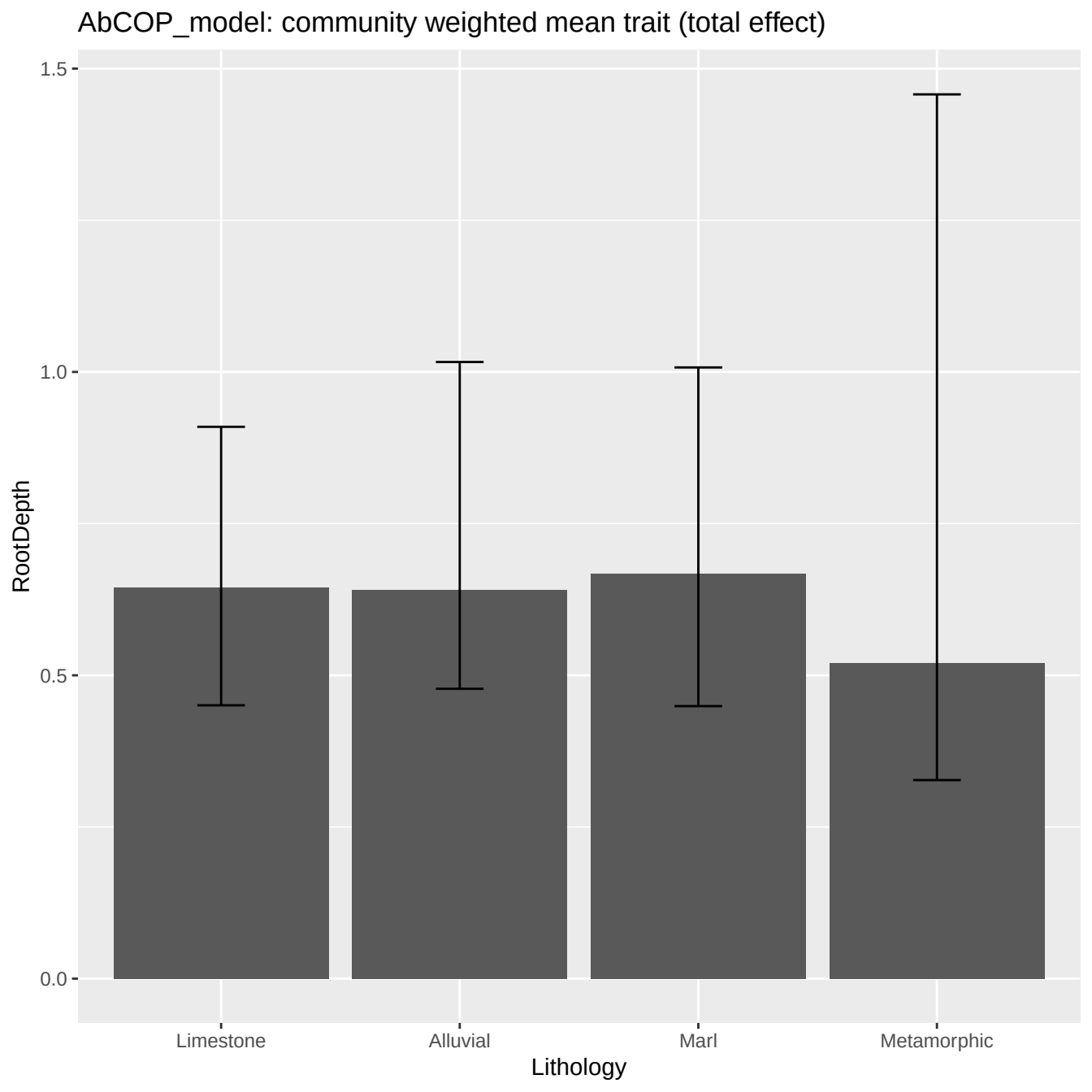

AbCOP_model: example species (marginal effect)
JunOxy
4
3
2
1
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

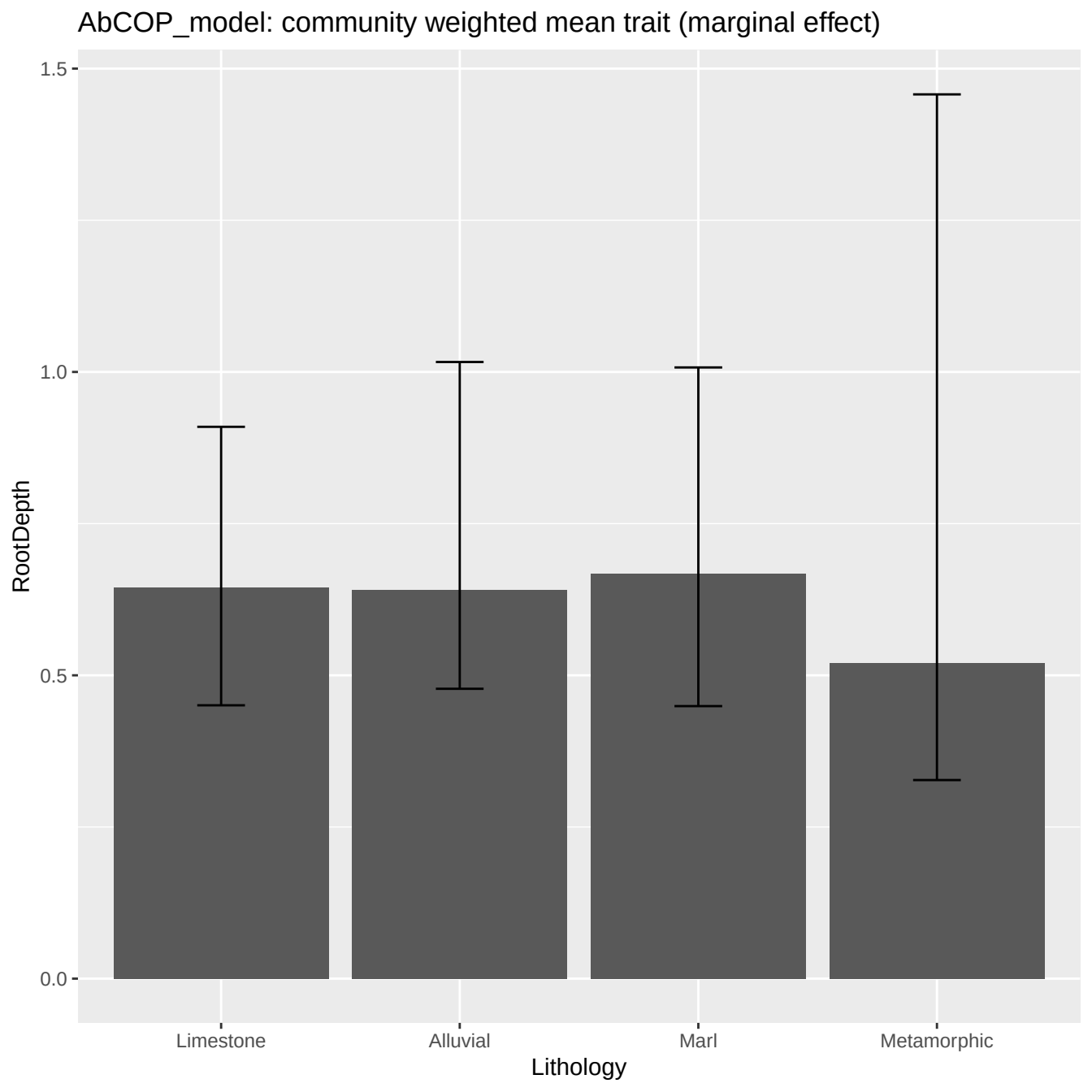

AbCOP_model: community weighted mean trait (total effect)
0.6
0.4
0.2
0.0
GrowthFormliana
Limestone
Alluvial
Marl
Metamorphic
Lithology

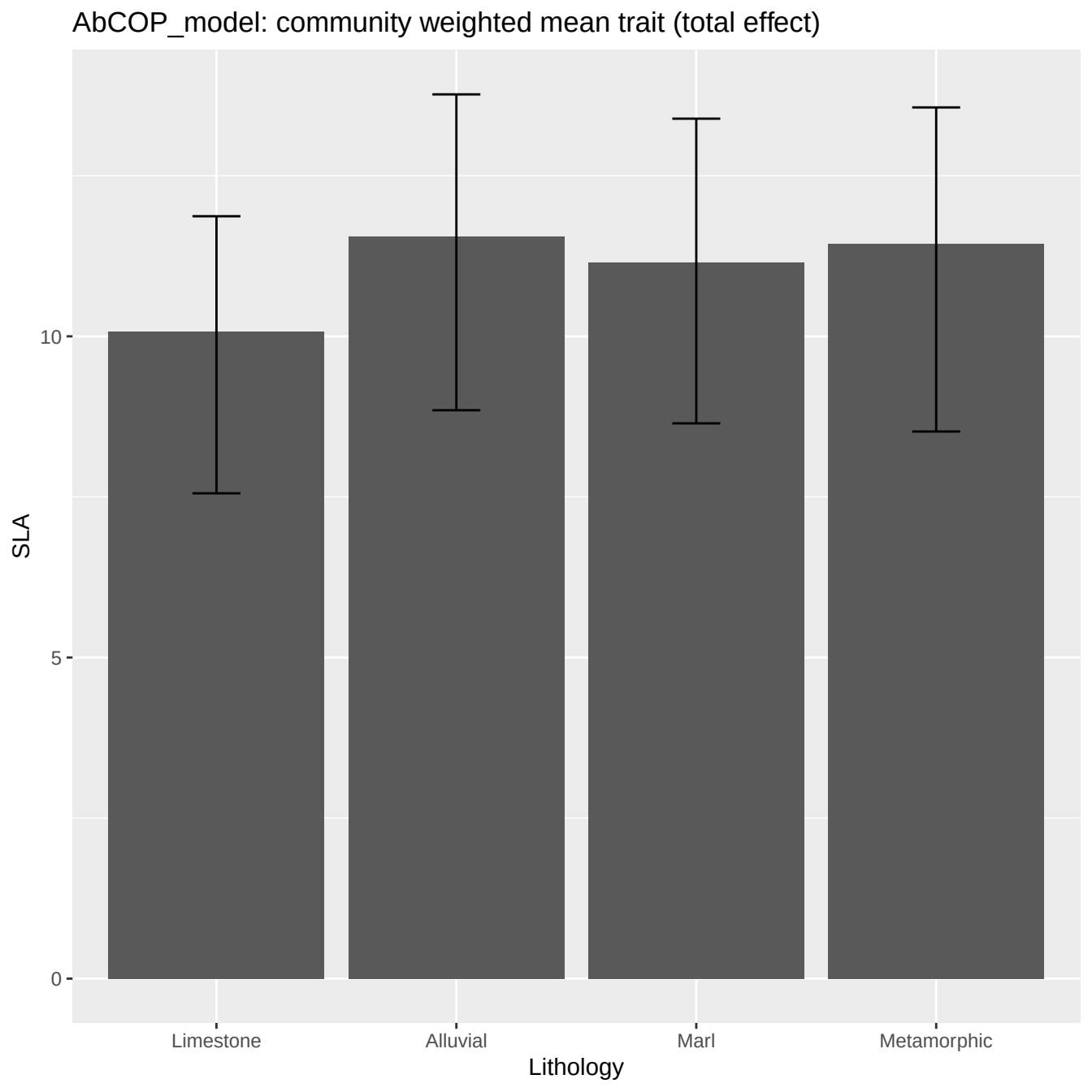

AbCOP_model: community weighted mean trait (marginal effect)
0.6
0.4
0.2
0.0
GrowthFormliana
Limestone
Alluvial
Marl
Metamorphic
Lithology

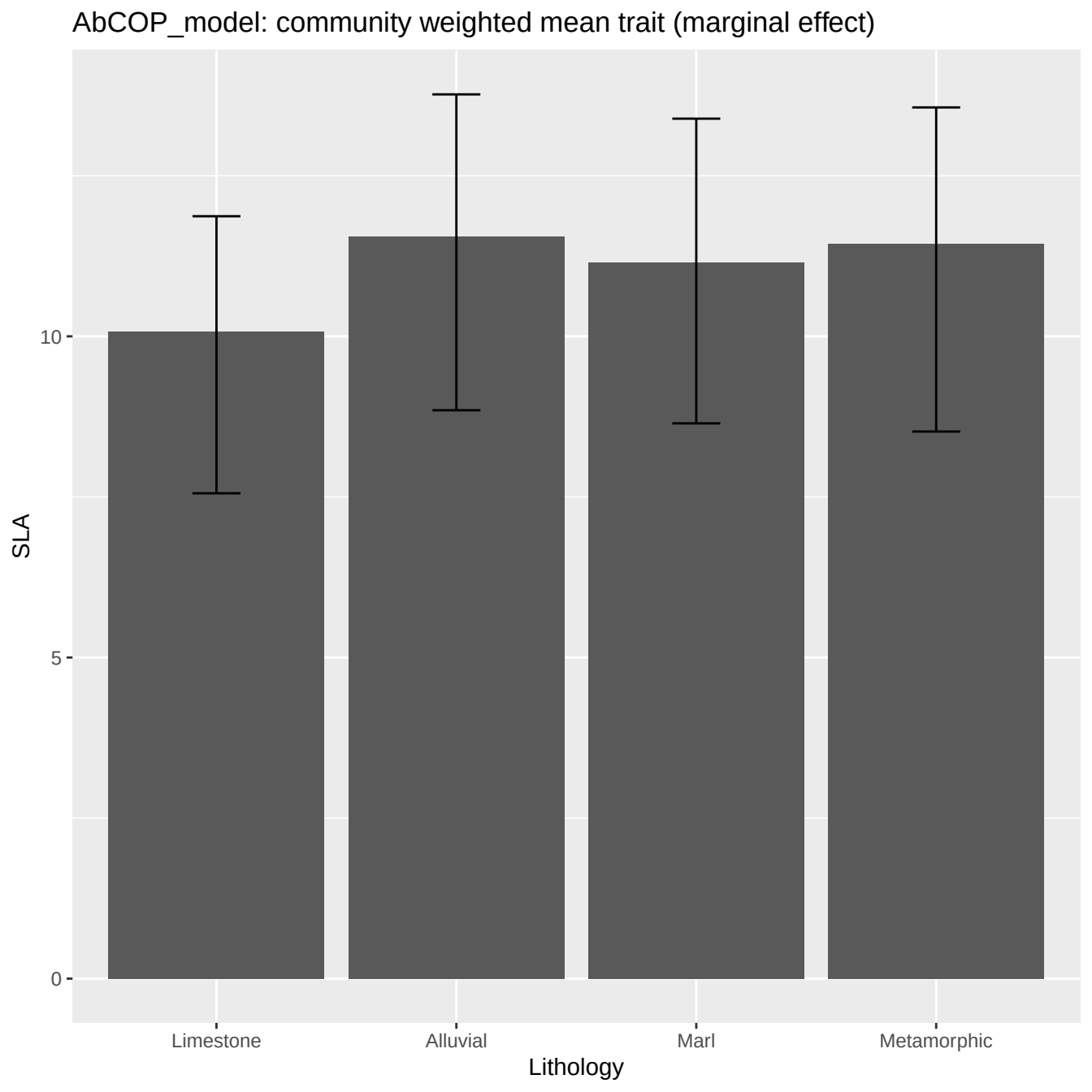

AbCOP_model: community weighted mean trait (total effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

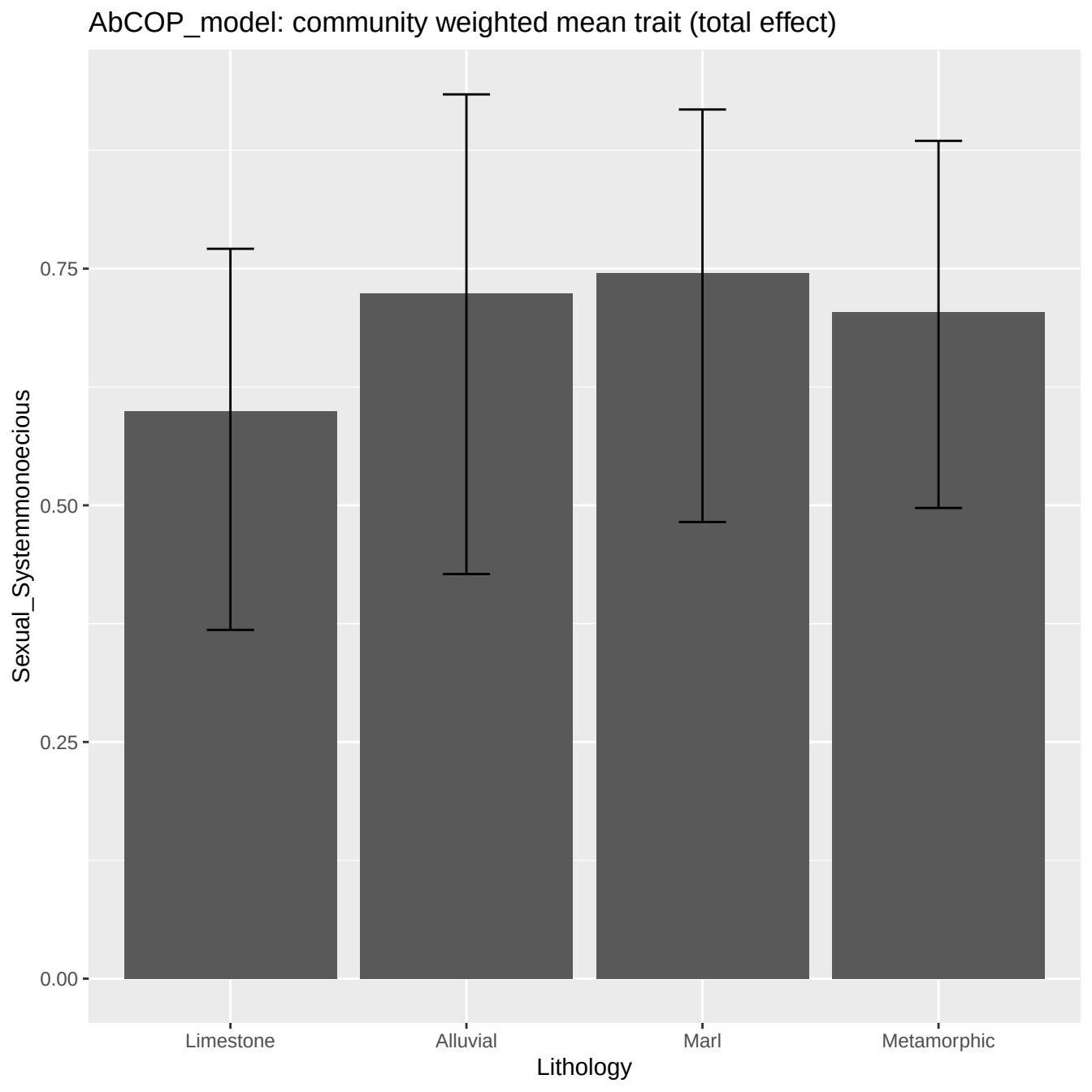

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

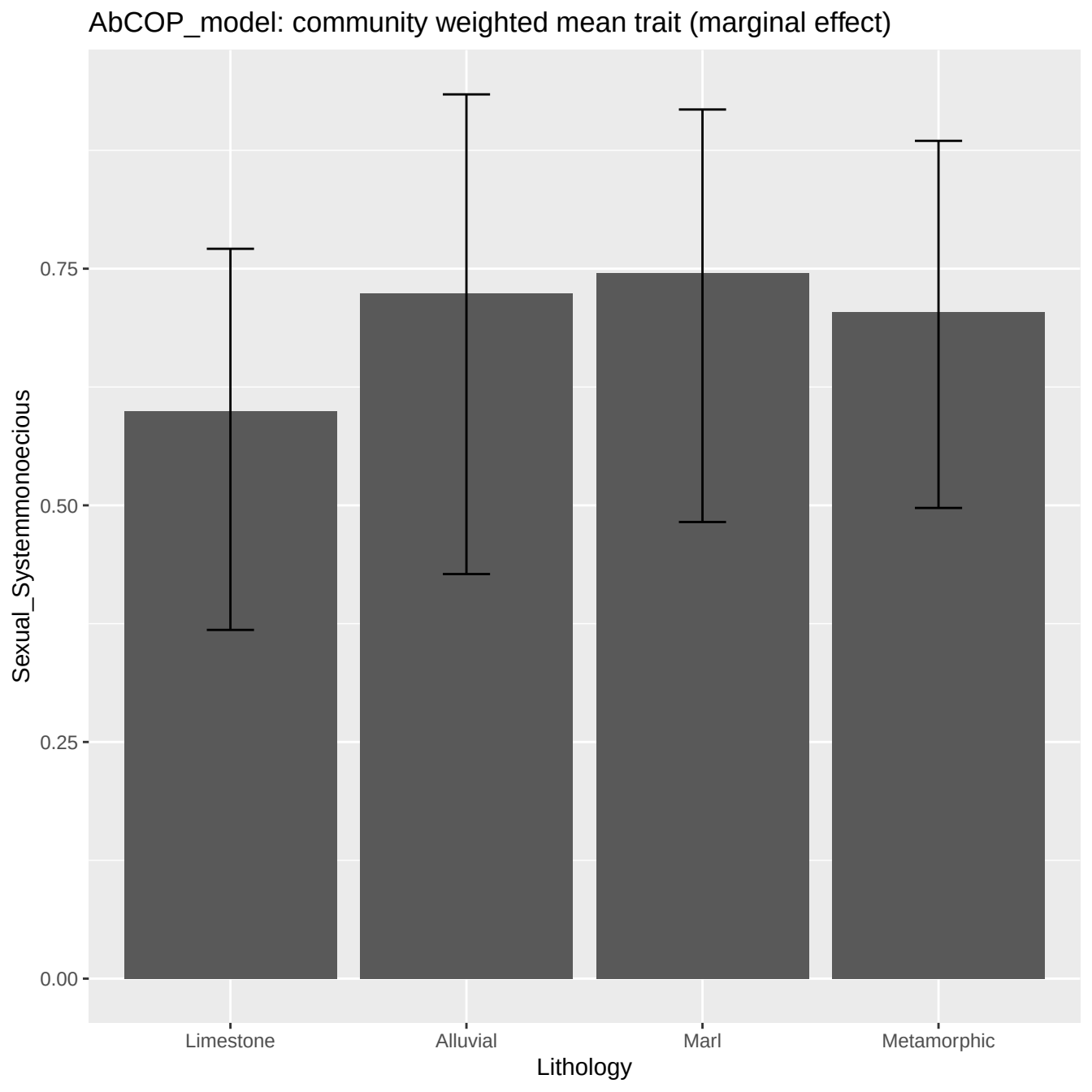

AbCOP_model: community weighted mean trait (total effect)
1.5
1.0
0.5
0.0
RootDepth
Limestone
Alluvial
Marl
Metamorphic
Lithology

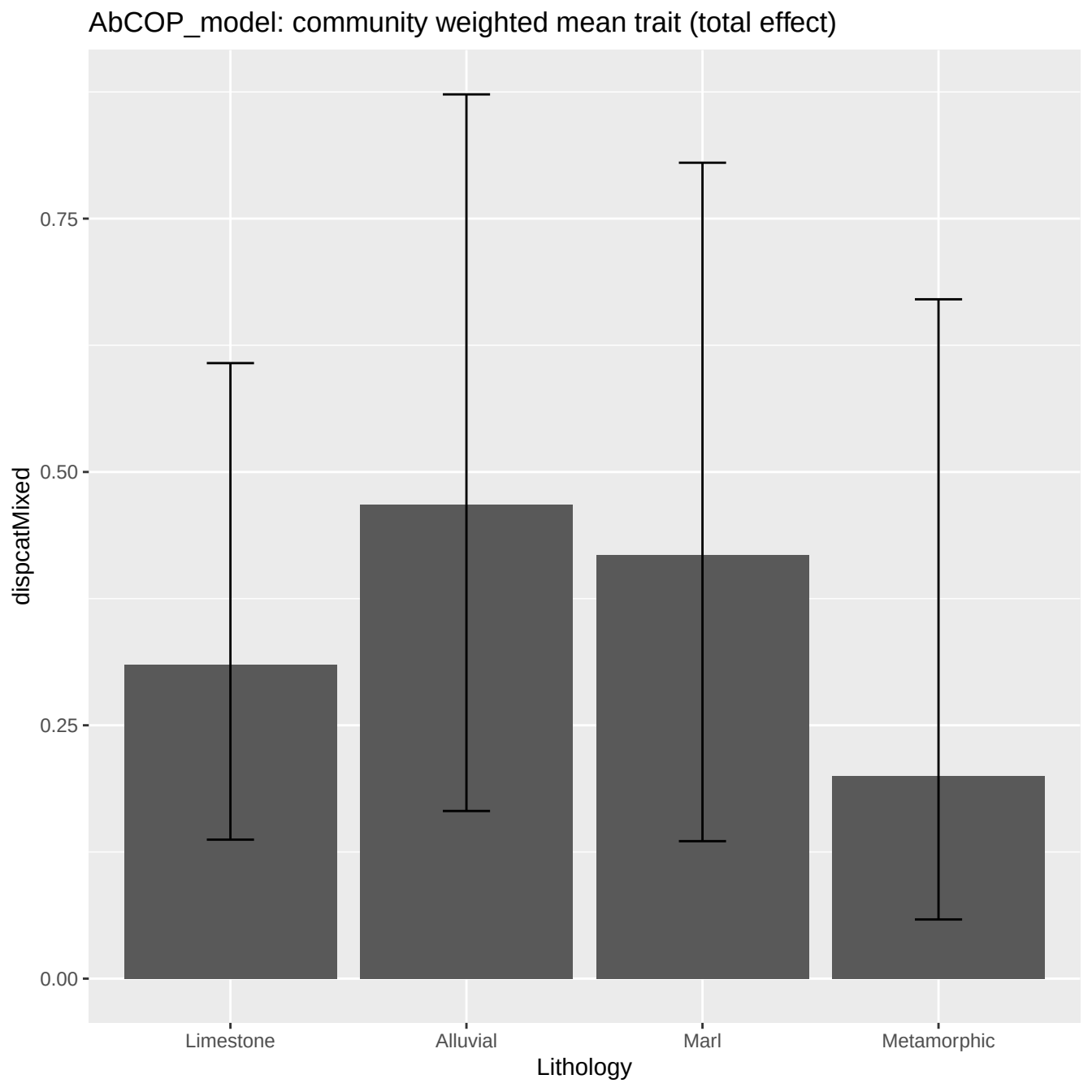

AbCOP_model: community weighted mean trait (marginal effect)
1.5
1.0
0.5
0.0
RootDepth
Limestone
Alluvial
Marl
Metamorphic
Lithology

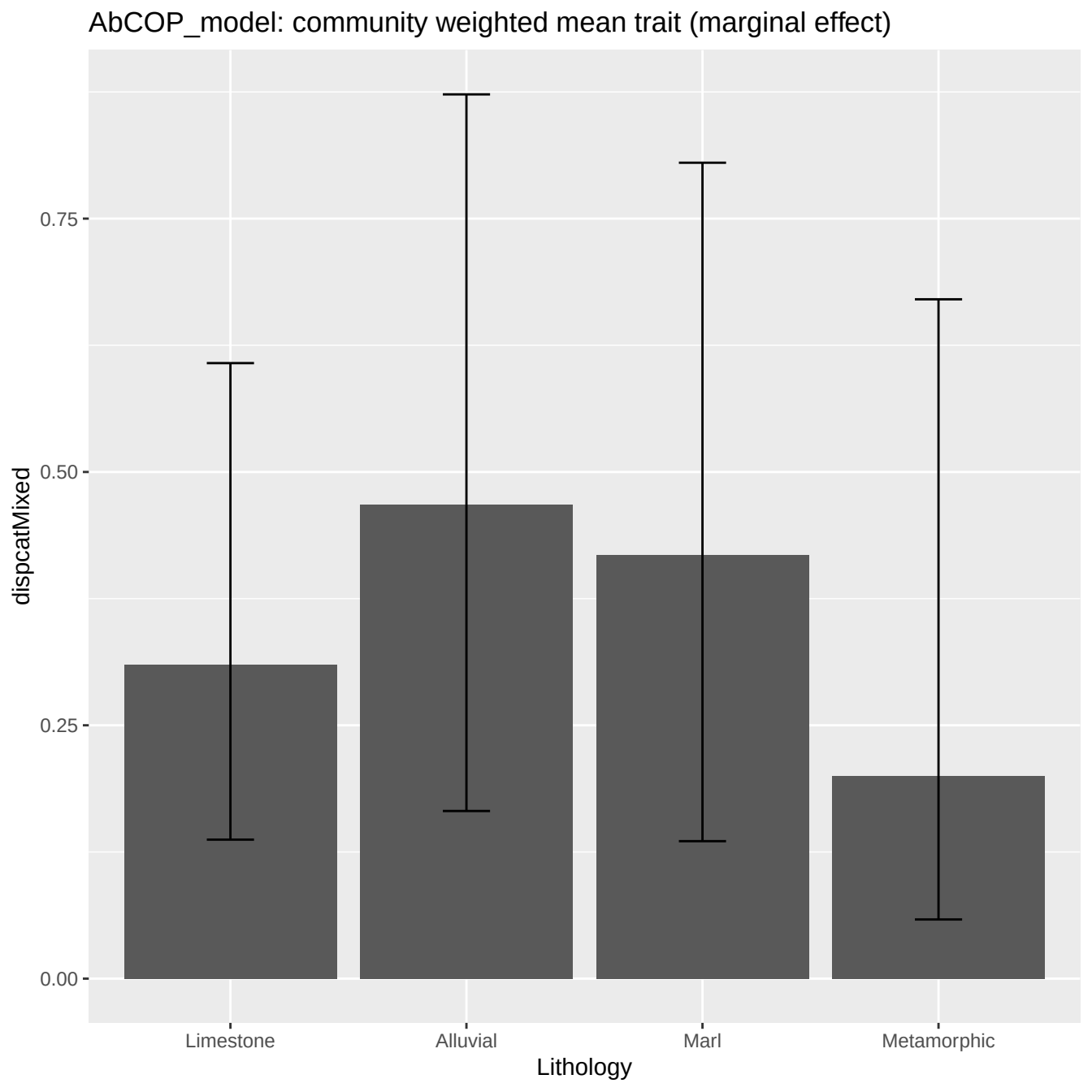

AbCOP_model: community weighted mean trait (total effect)
SLA
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

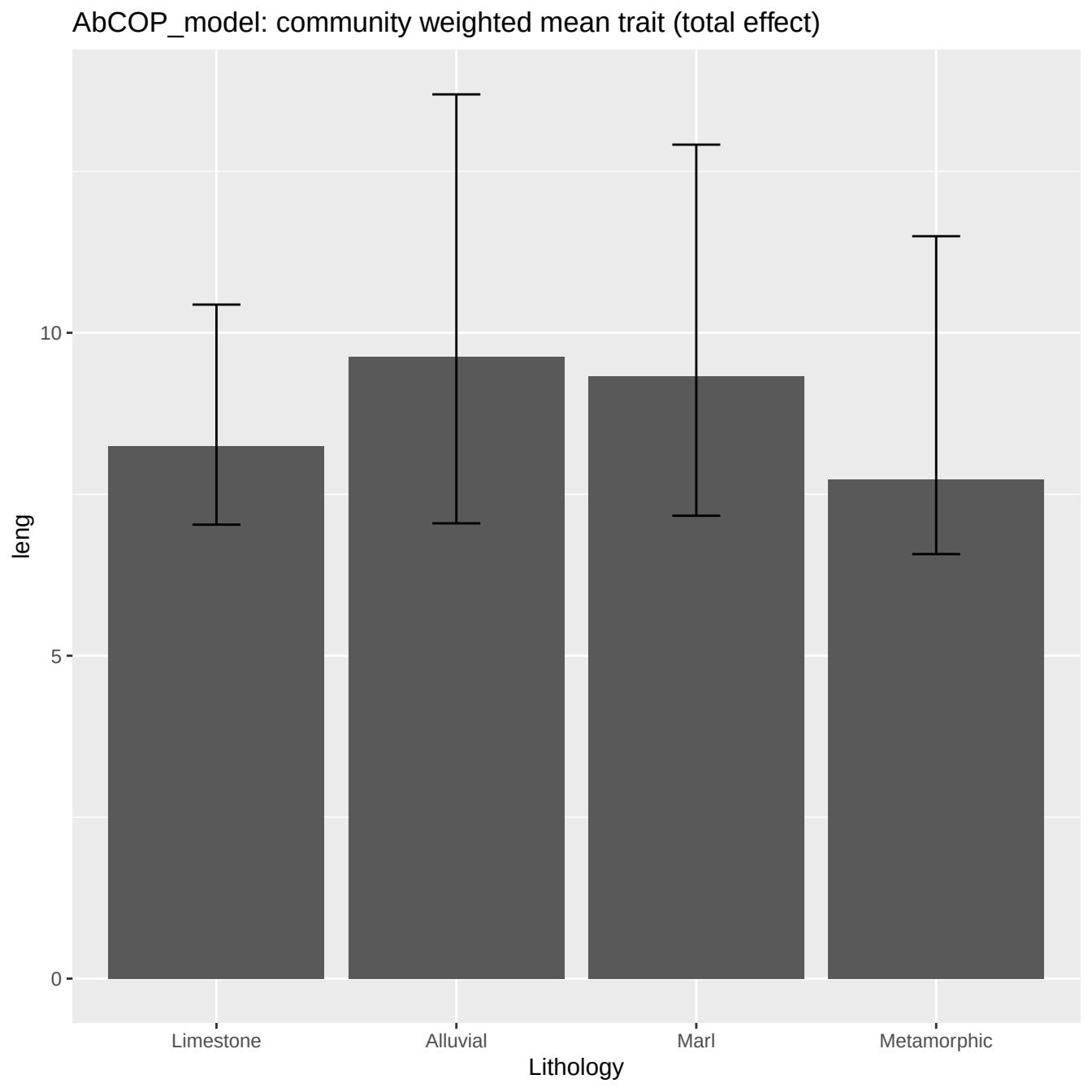

AbCOP_model: community weighted mean trait (marginal effect)
SLA
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

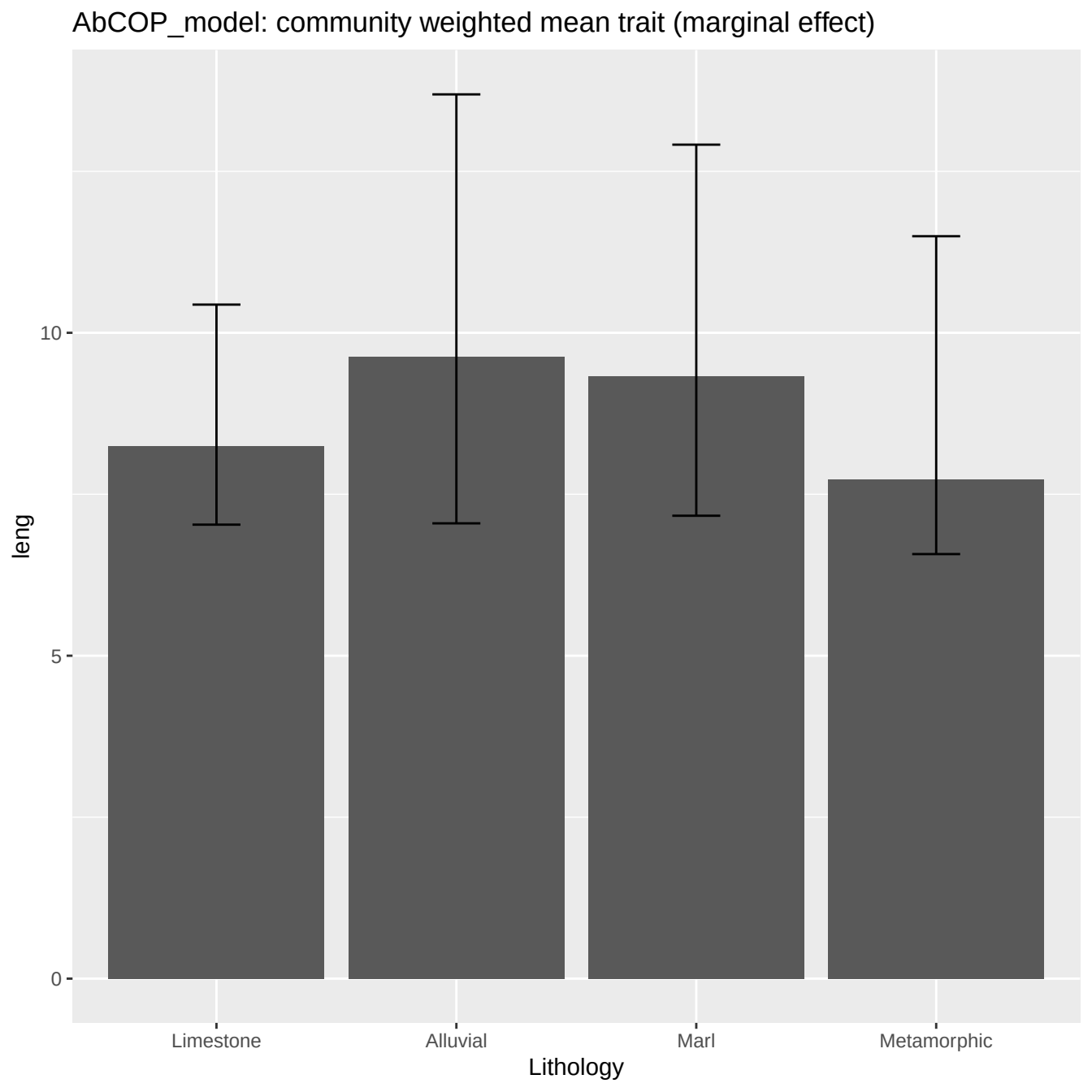

AbCOP_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

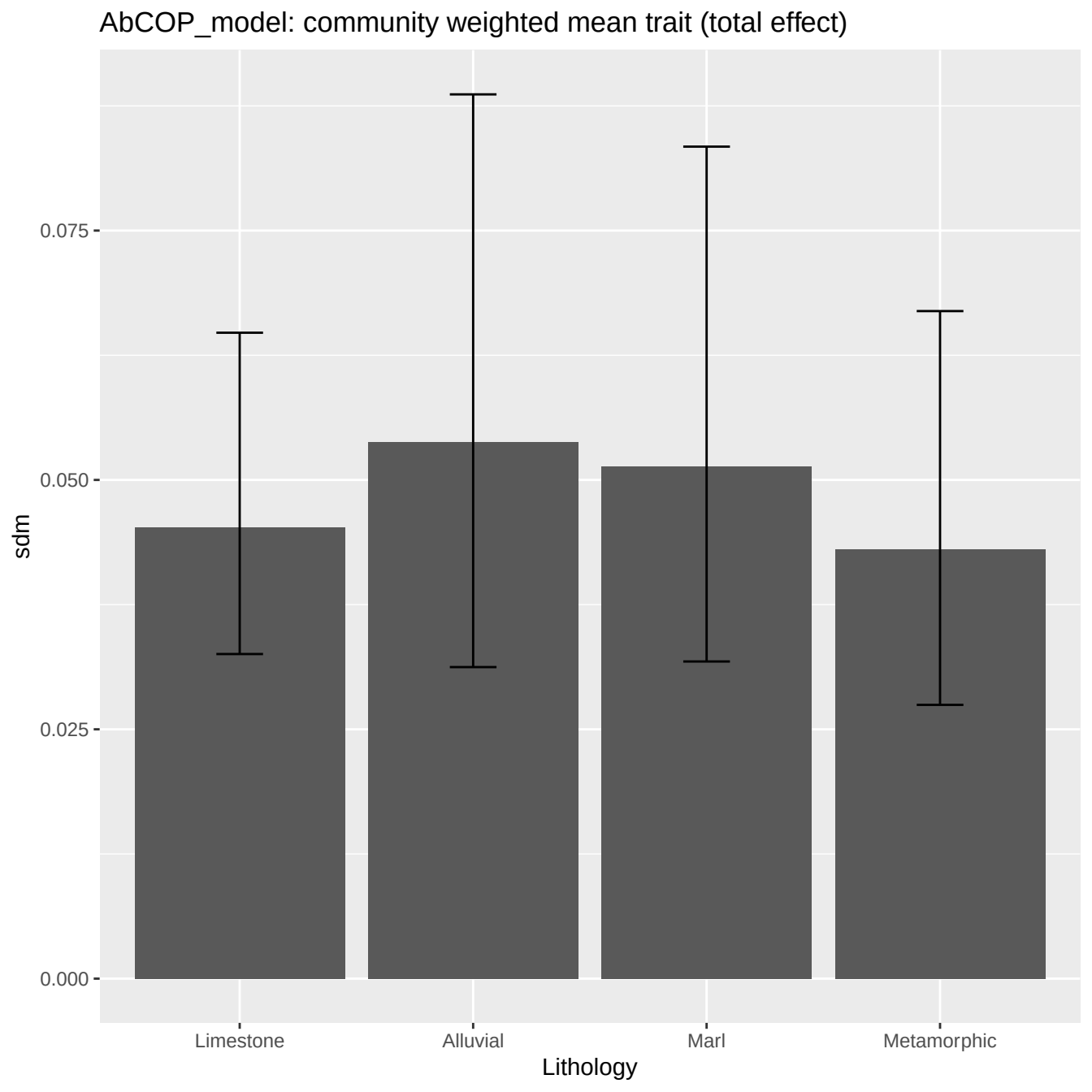

AbCOP_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

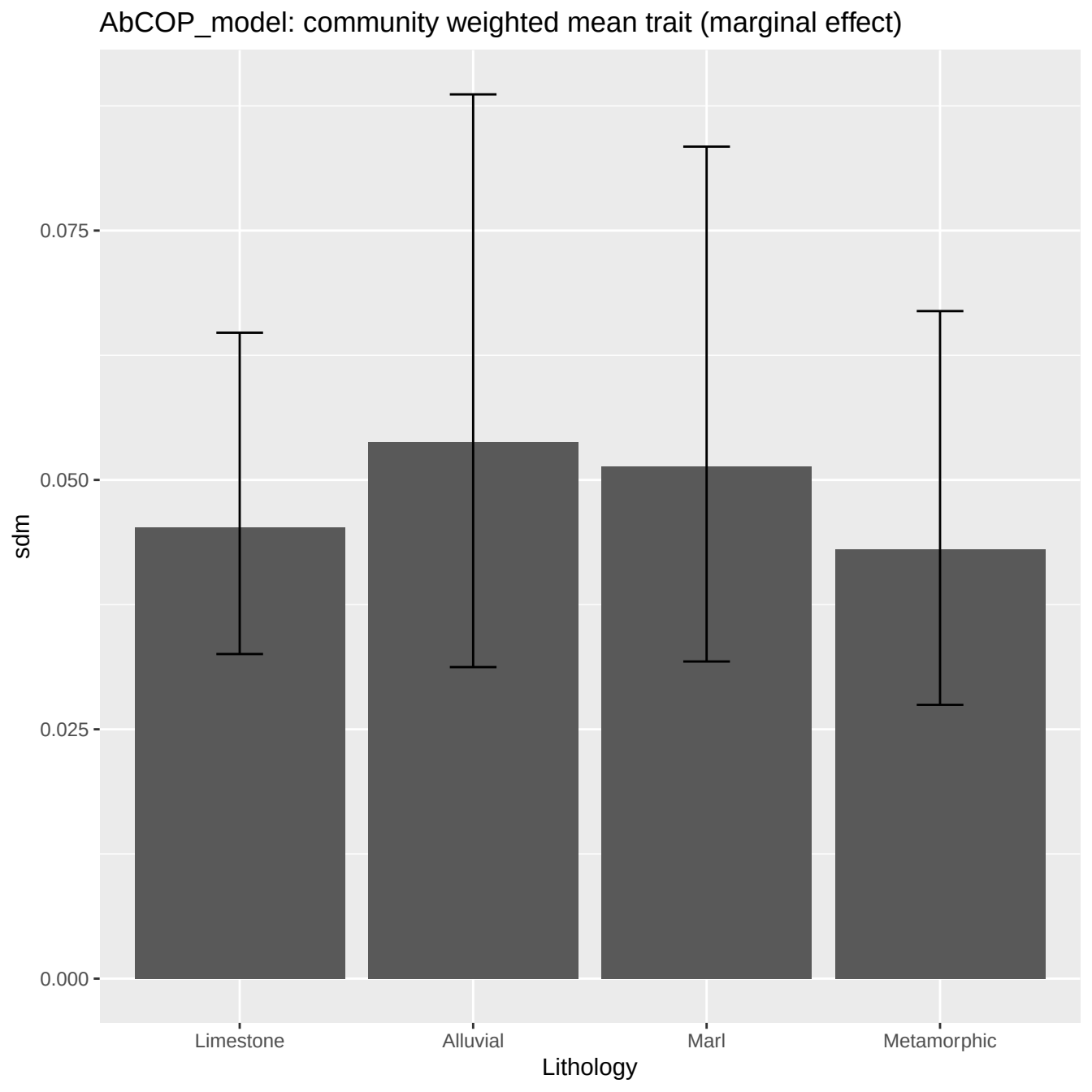

AbCOP_model: community weighted mean trait (total effect)
dispcatMixed
0.75
0.50
0.25
0.00
Limestone
Alluvial
Marl
Metamorphic
Lithology

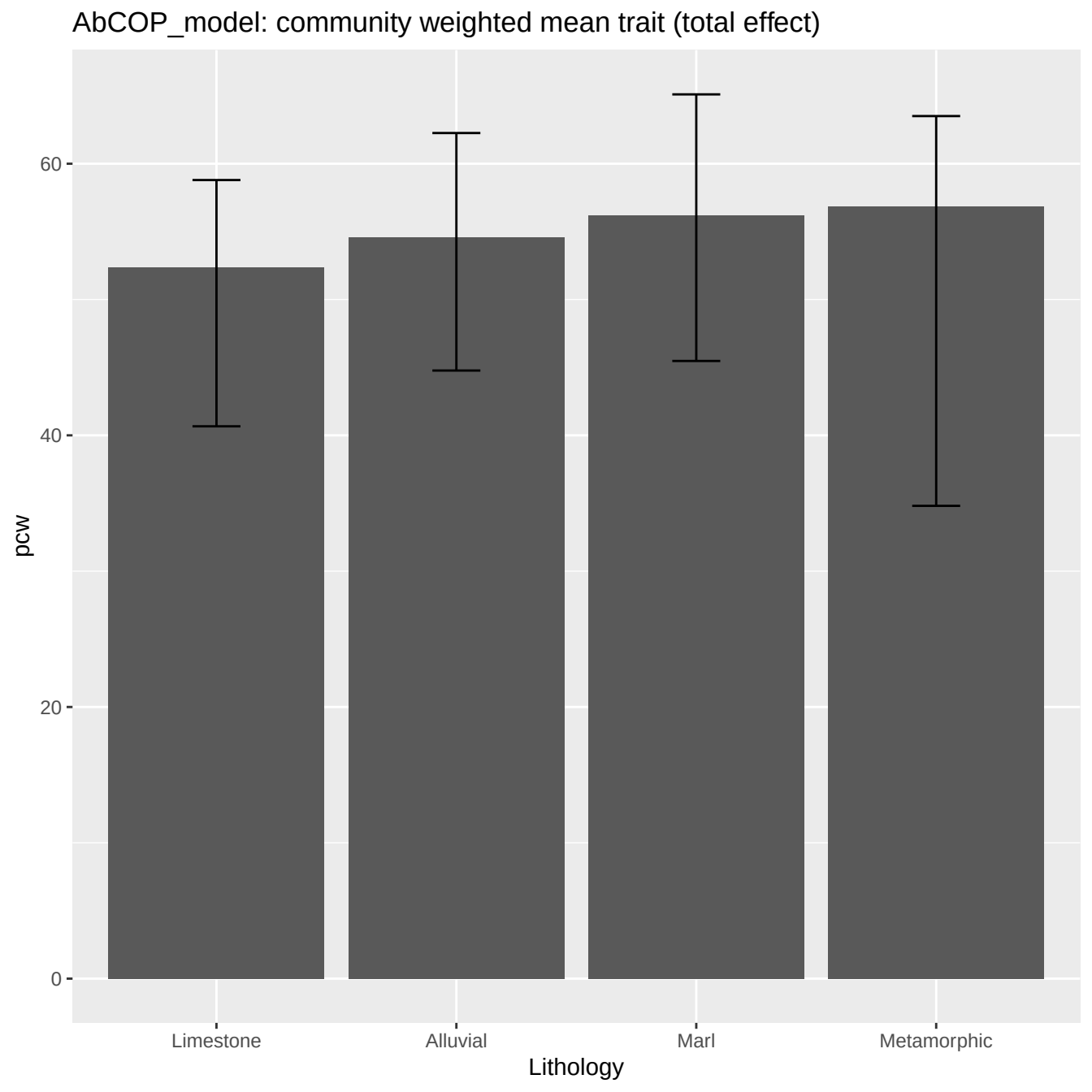

AbCOP_model: community weighted mean trait (marginal effect)
dispcatMixed
0.00
0.25
0.50
0.75
Limestone
Alluvial
Marl
Metamorphic
Lithology

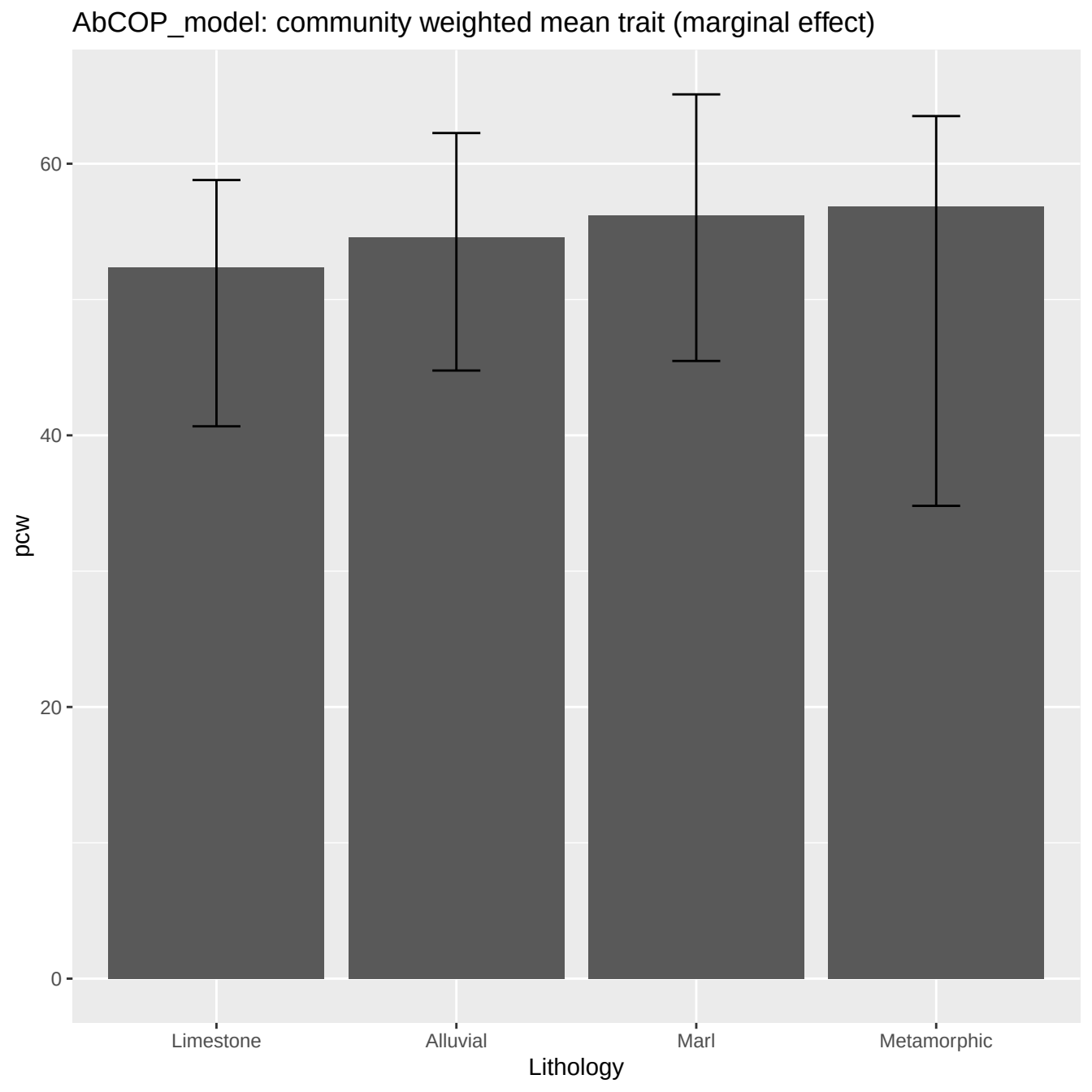

AbCOP_model: community weighted mean trait (total effect)
leng
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

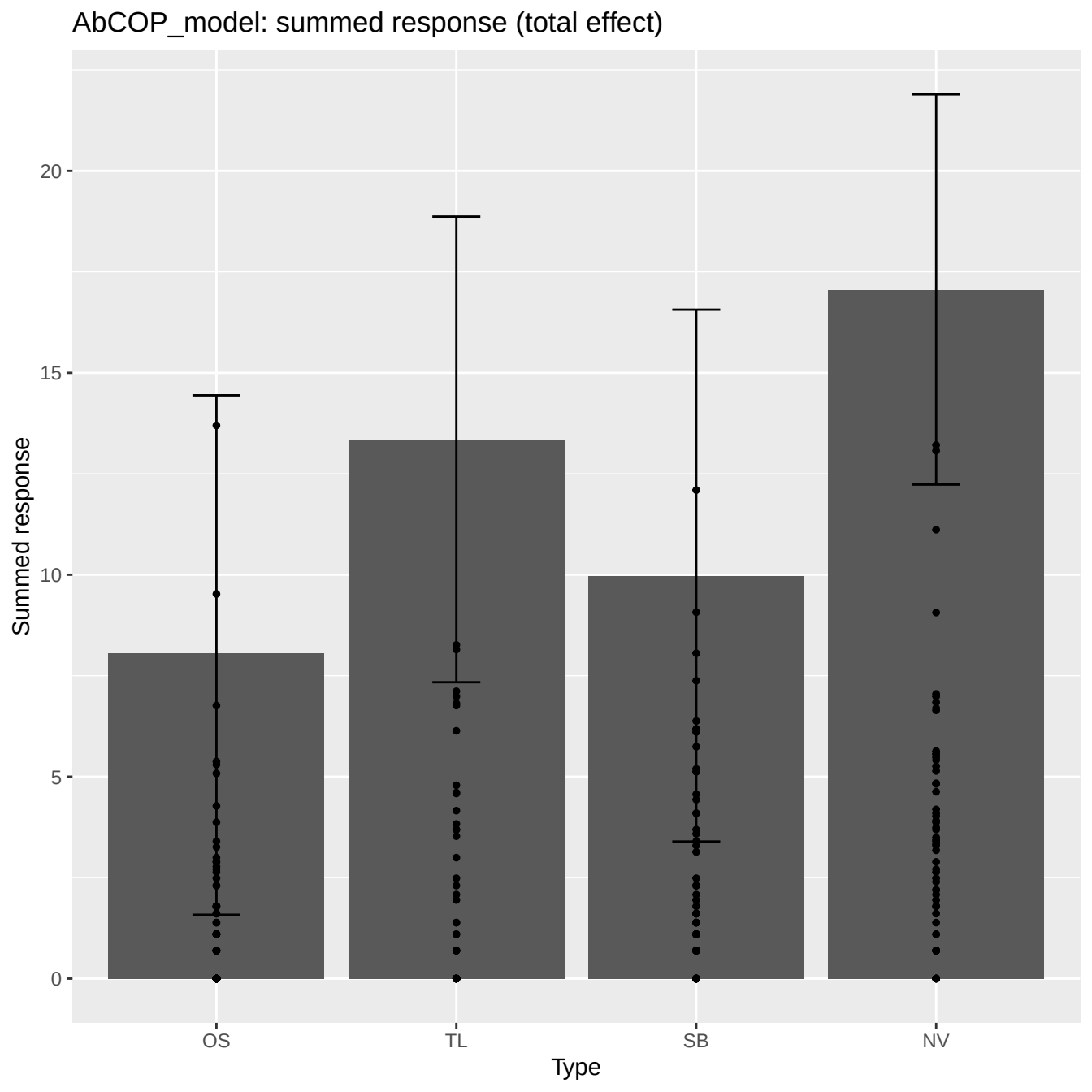

AbCOP_model: community weighted mean trait (marginal effect)
leng
10
5
0
Limestone
Alluvial
Marl
Metamorphic
Lithology

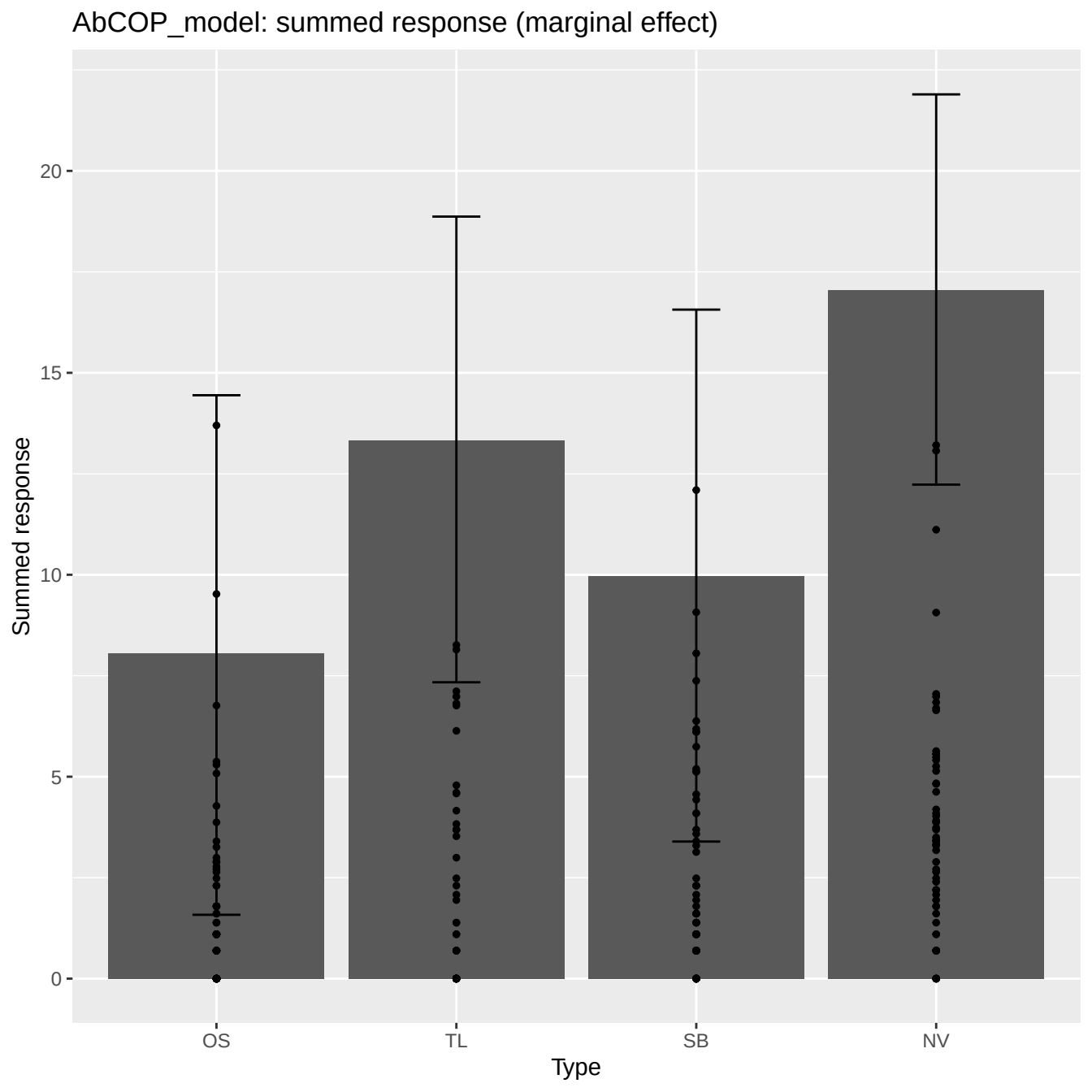

AbCOP_model: community weighted mean trait (total effect)
sdm
0.075
0.050
0.025
0.000
Limestone
Alluvial
Marl
Metamorphic
Lithology

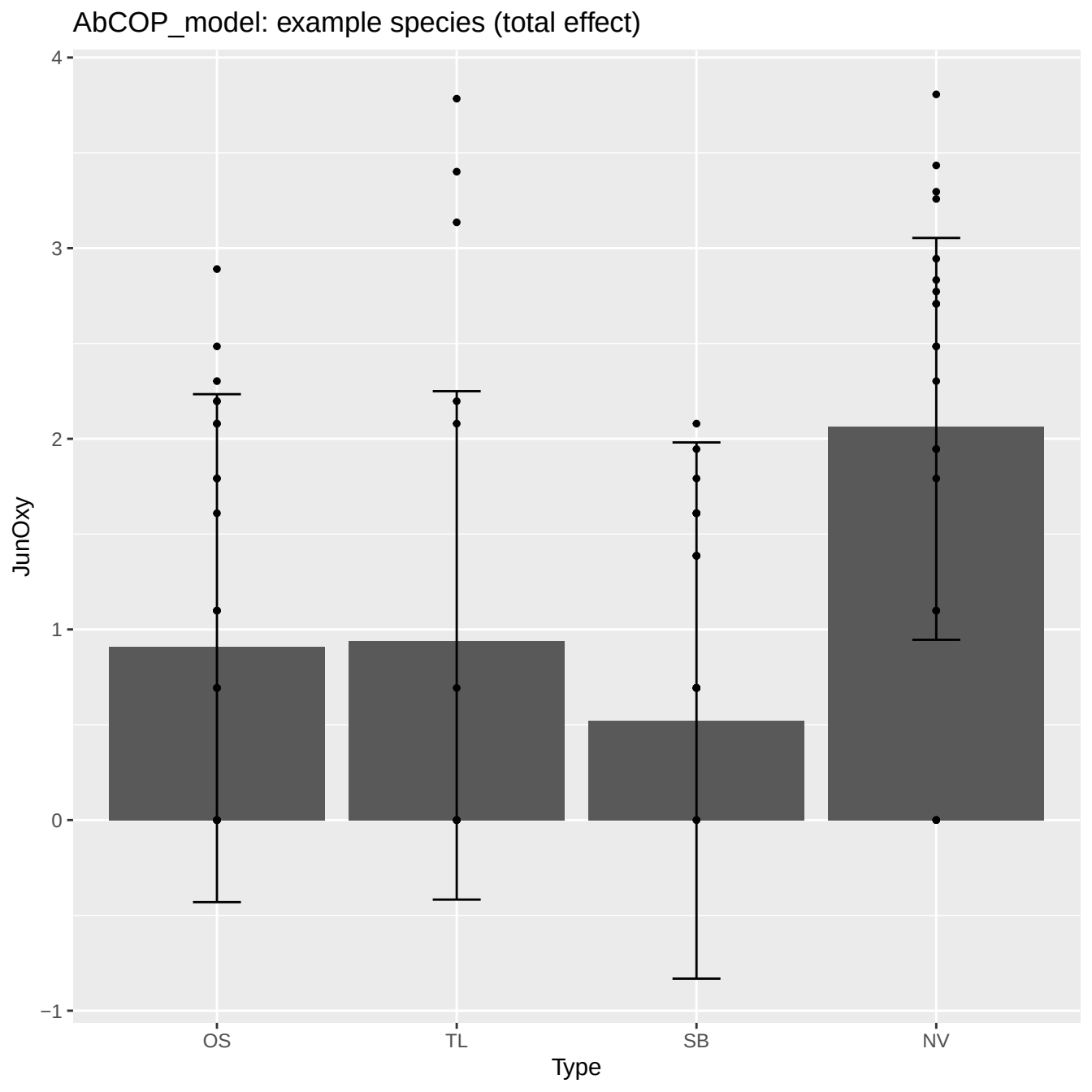

AbCOP_model: community weighted mean trait (marginal effect)
0.075
0.050
0.025
0.000
sdm
Limestone
Alluvial
Marl
Metamorphic
Lithology

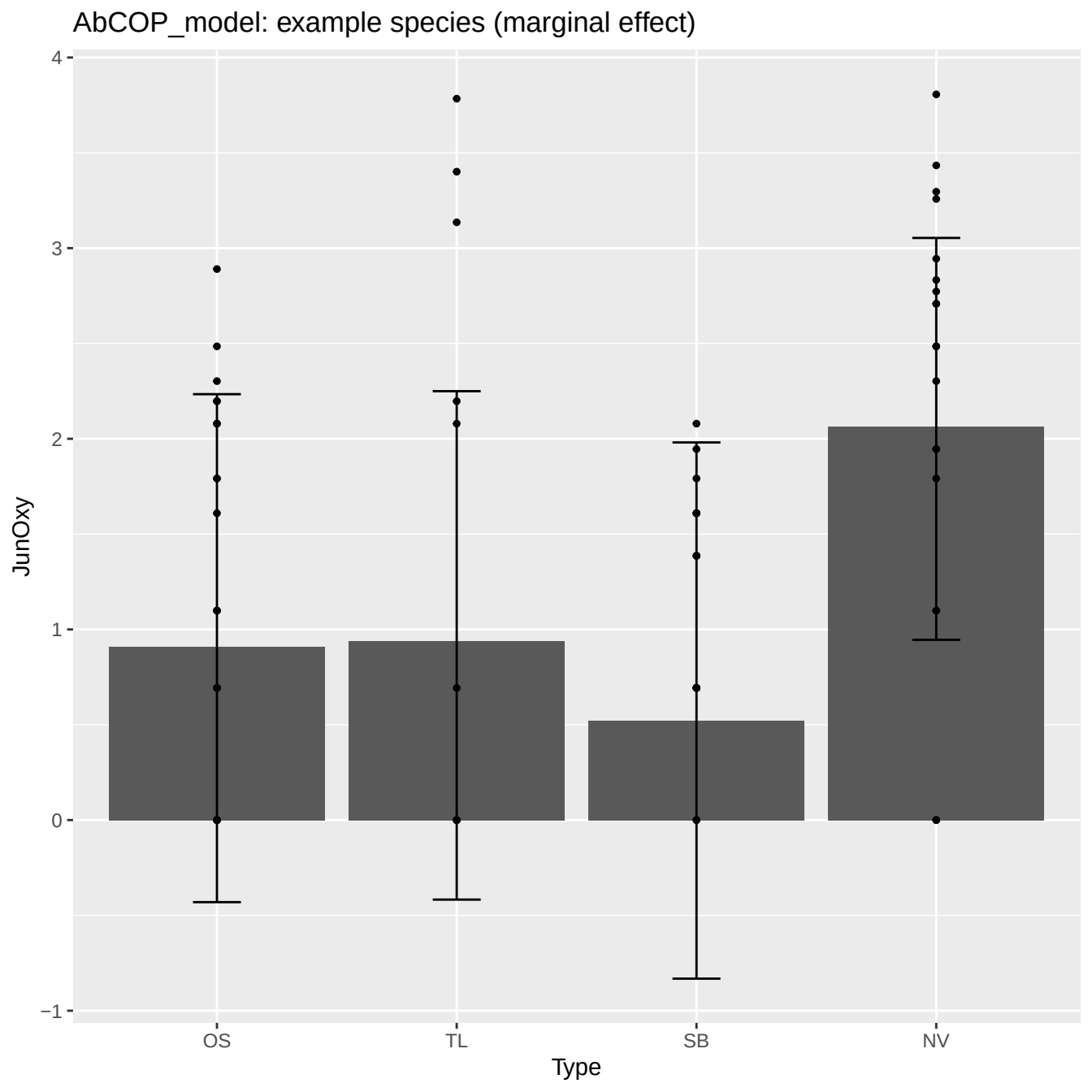

AbCOP_model: community weighted mean trait (total effect)
60
40
20
0
pcw
Limestone
Alluvial
Marl
Metamorphic
Lithology

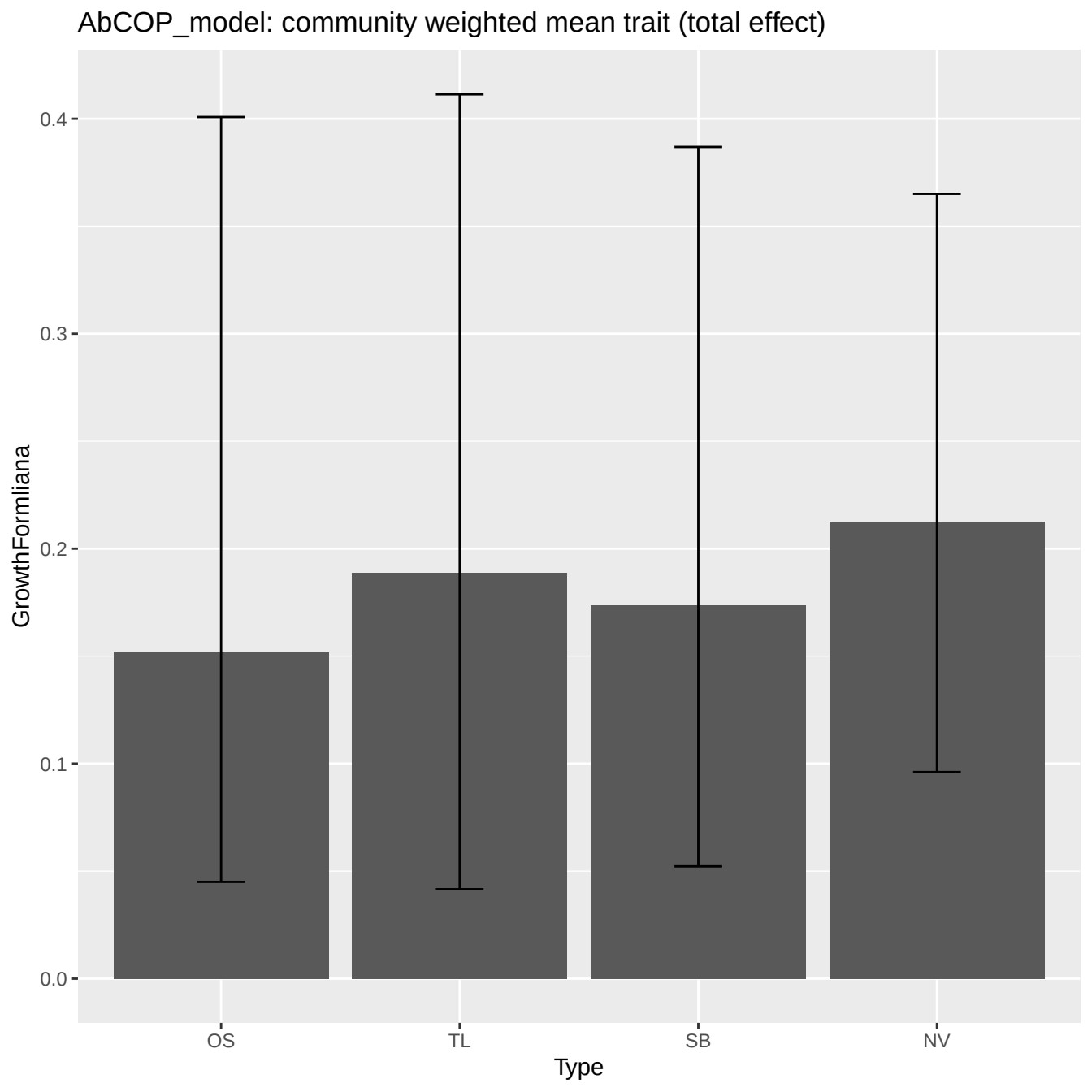

AbCOP_model: community weighted mean trait (marginal effect)
60
40
20
0
pcw
Limestone
Alluvial
Marl
Metamorphic
Lithology

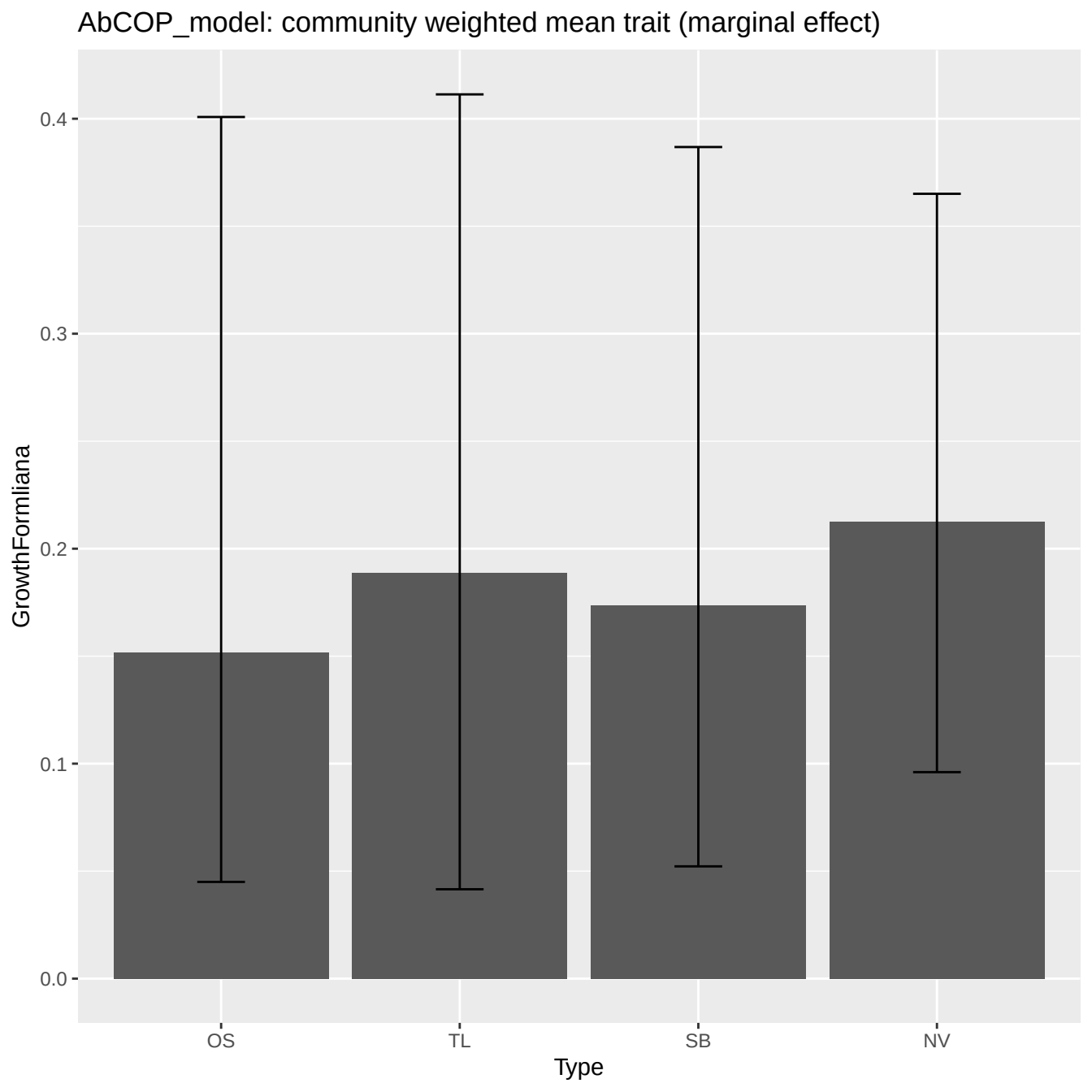

AbCOP_model: summed response (total effect)
Summed response
20
15
10
5
0
OS
TL
SB
NV
Type

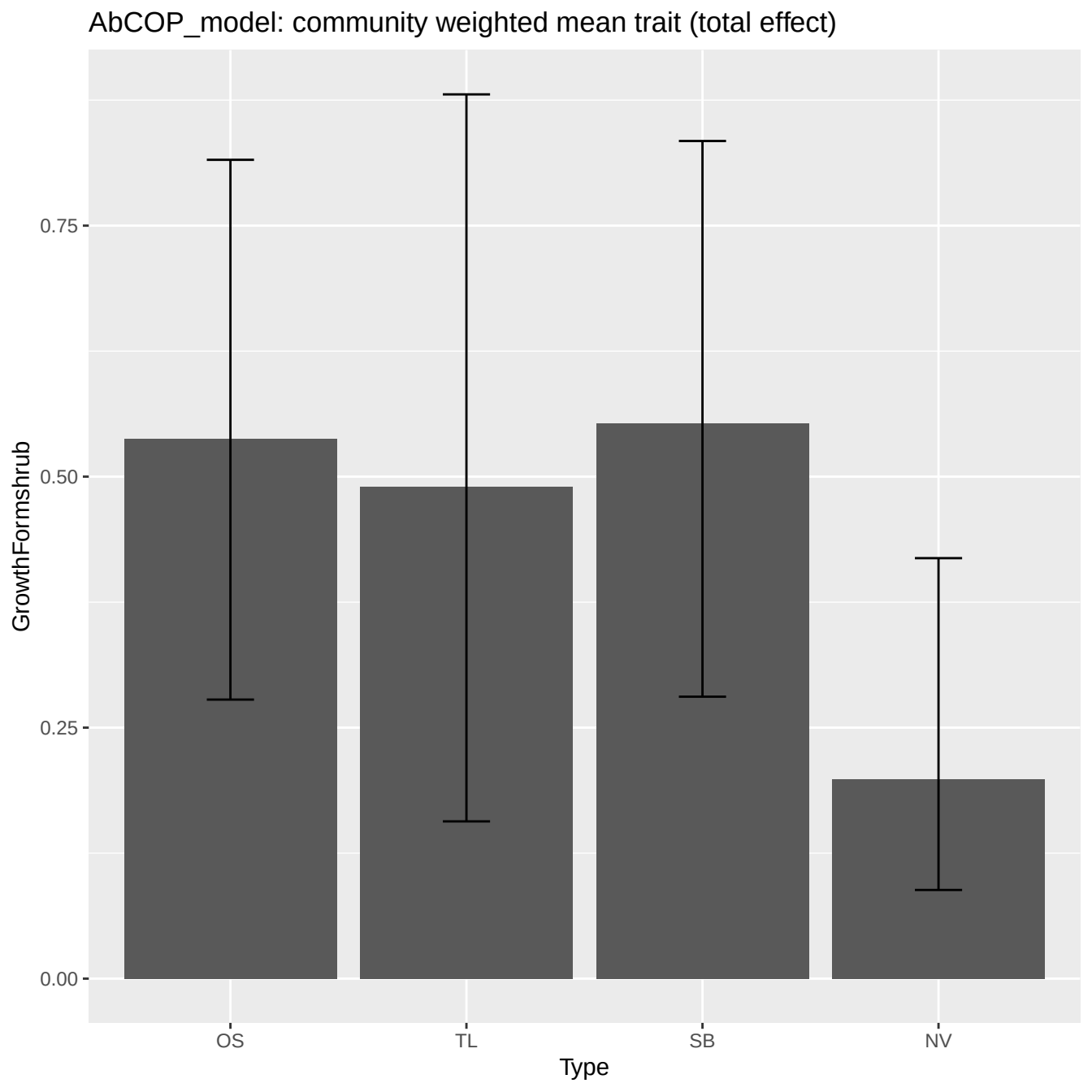

AbCOP_model: summed response (marginal effect)
Summed response
20
15
10
5
0
OS
TL
SB
NV
Type

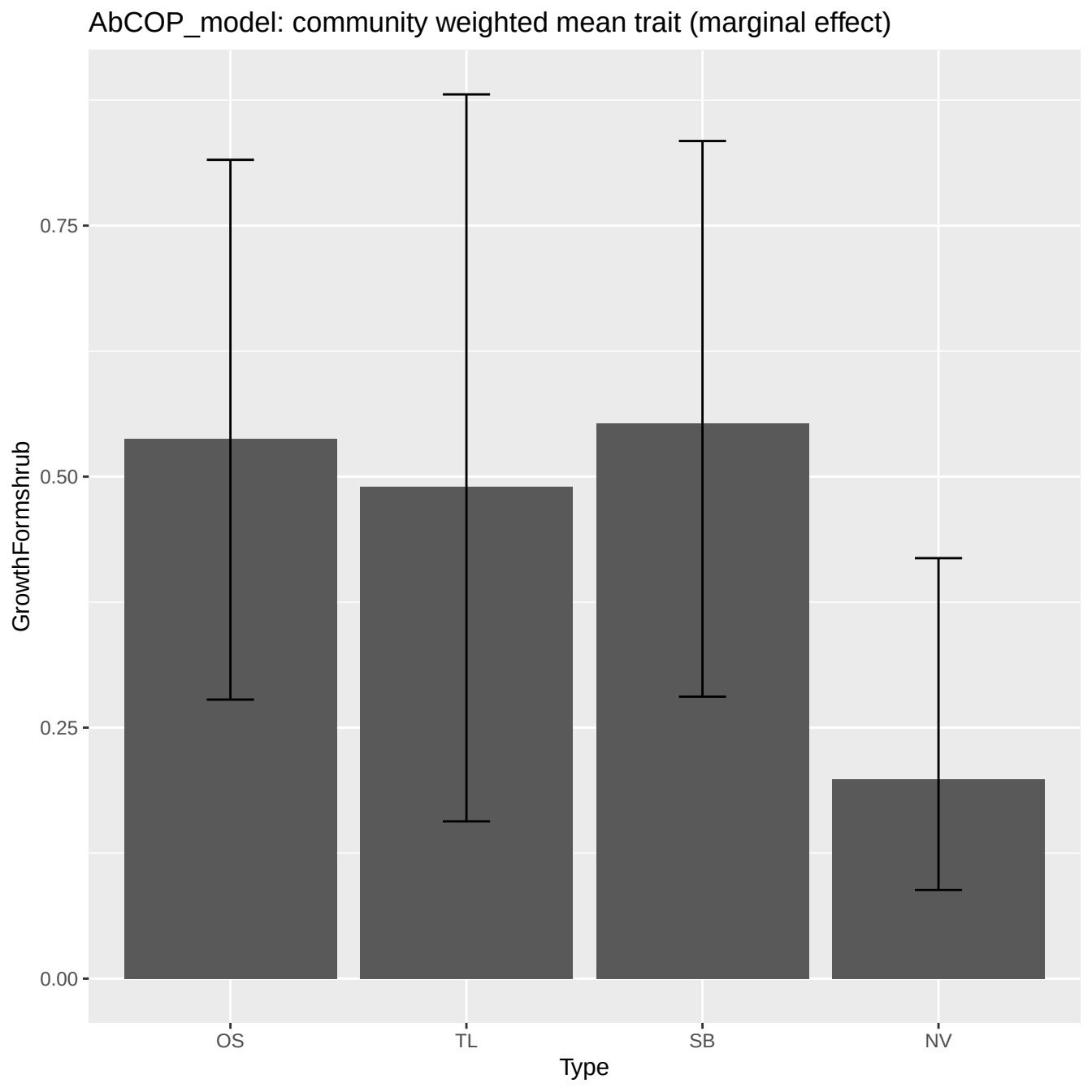

AbCOP_model: example species (total effect)
JunOxy
4
3
2
1
0
−1
OS
TL
SB
NV
Type

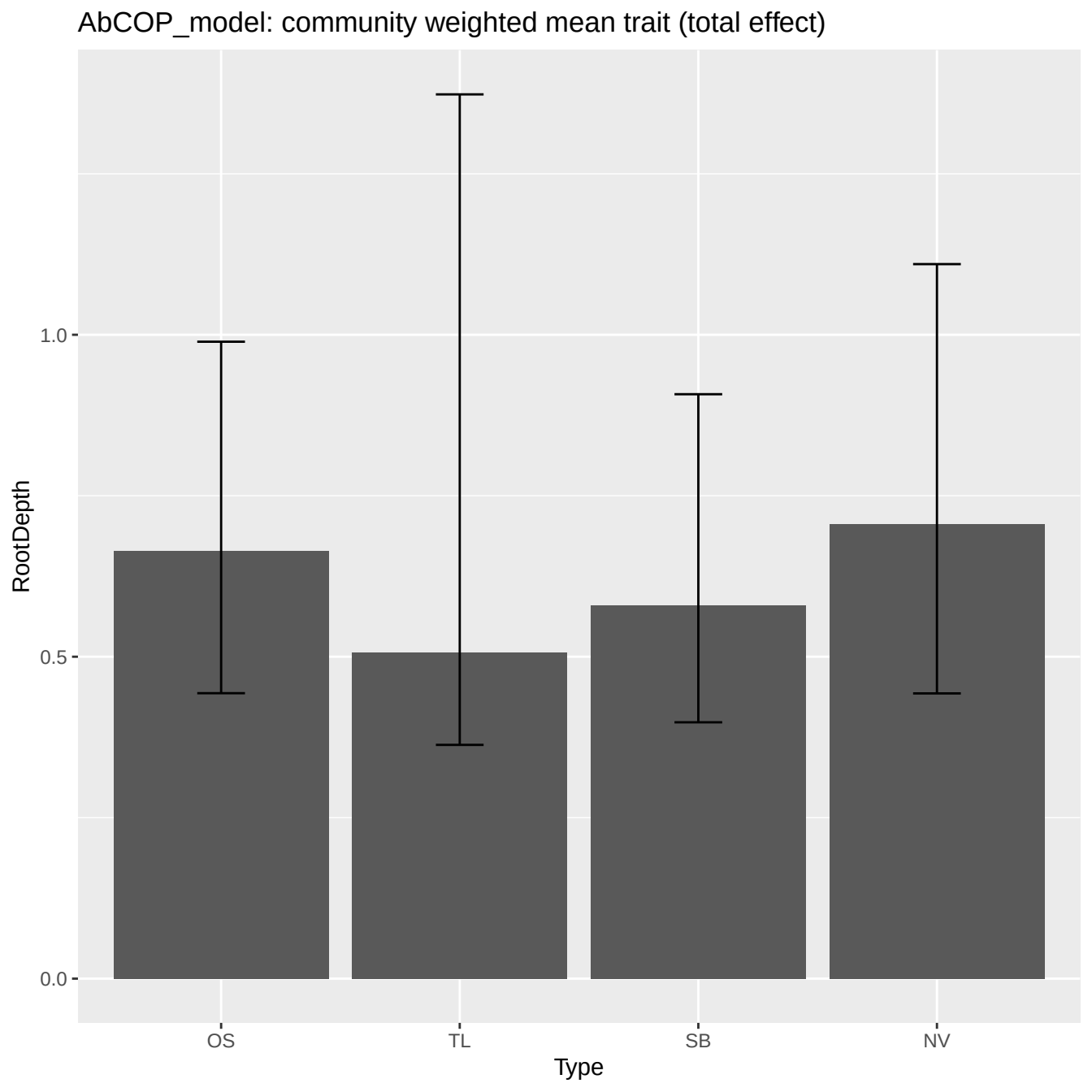

AbCOP_model: example species (marginal effect)
JunOxy
4
3
2
1
0
−1
OS
TL
SB
NV
Type

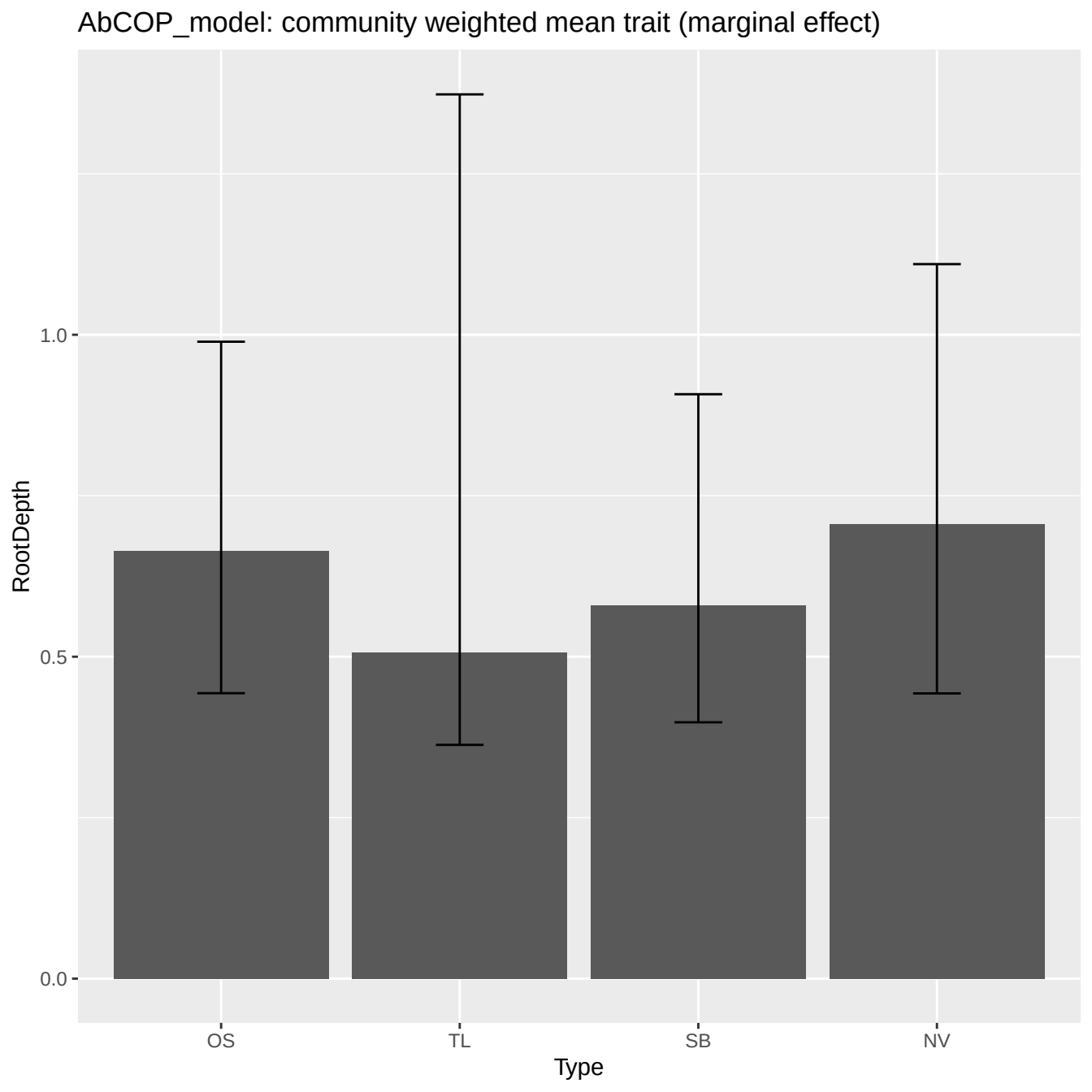

AbCOP_model: community weighted mean trait (total effect)
GrowthFormliana
0.4
0.3
0.2
0.1
0.0
OS
TL
SB
NV
Type

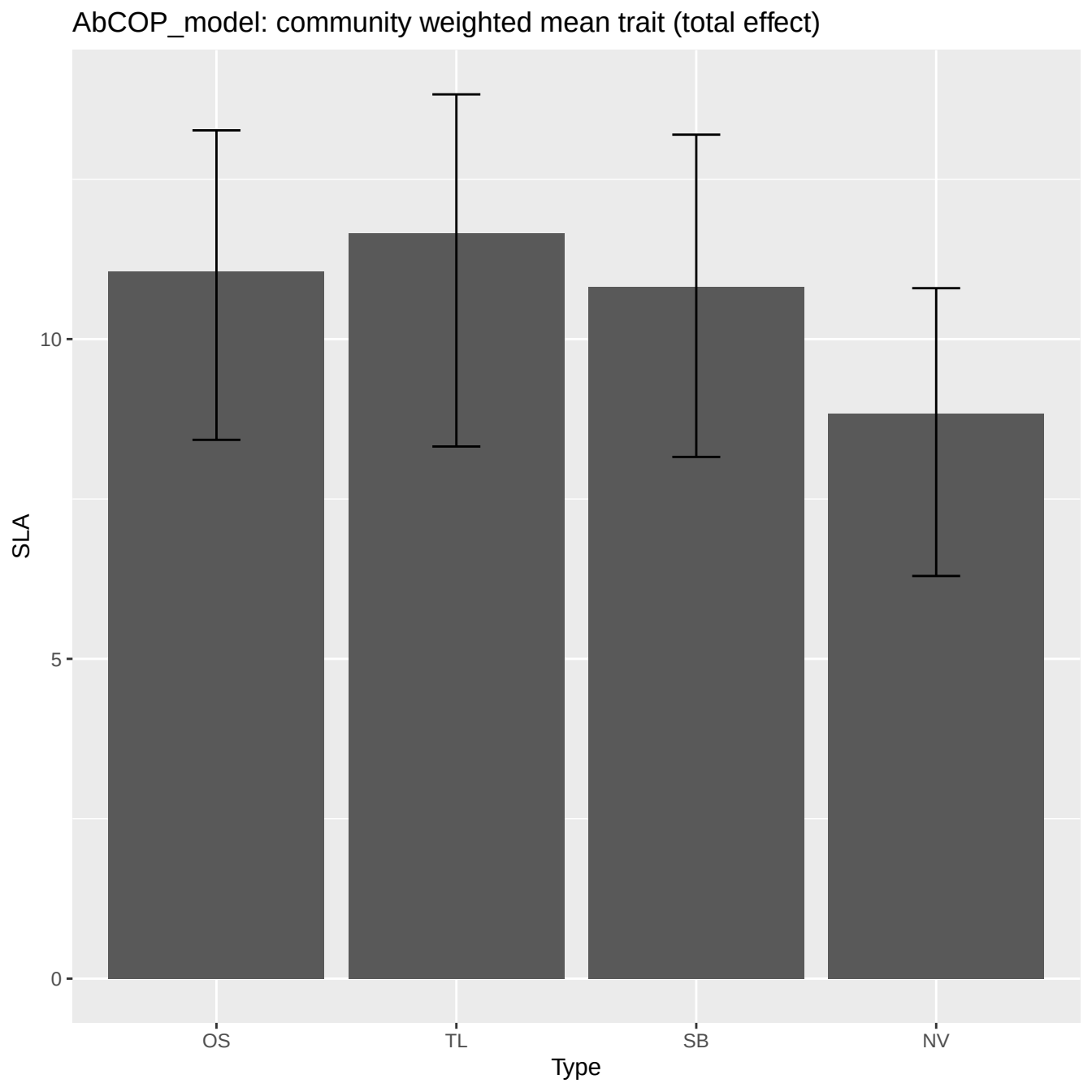

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormliana
0.4
0.3
0.2
0.1
0.0
OS
TL
SB
NV
Type

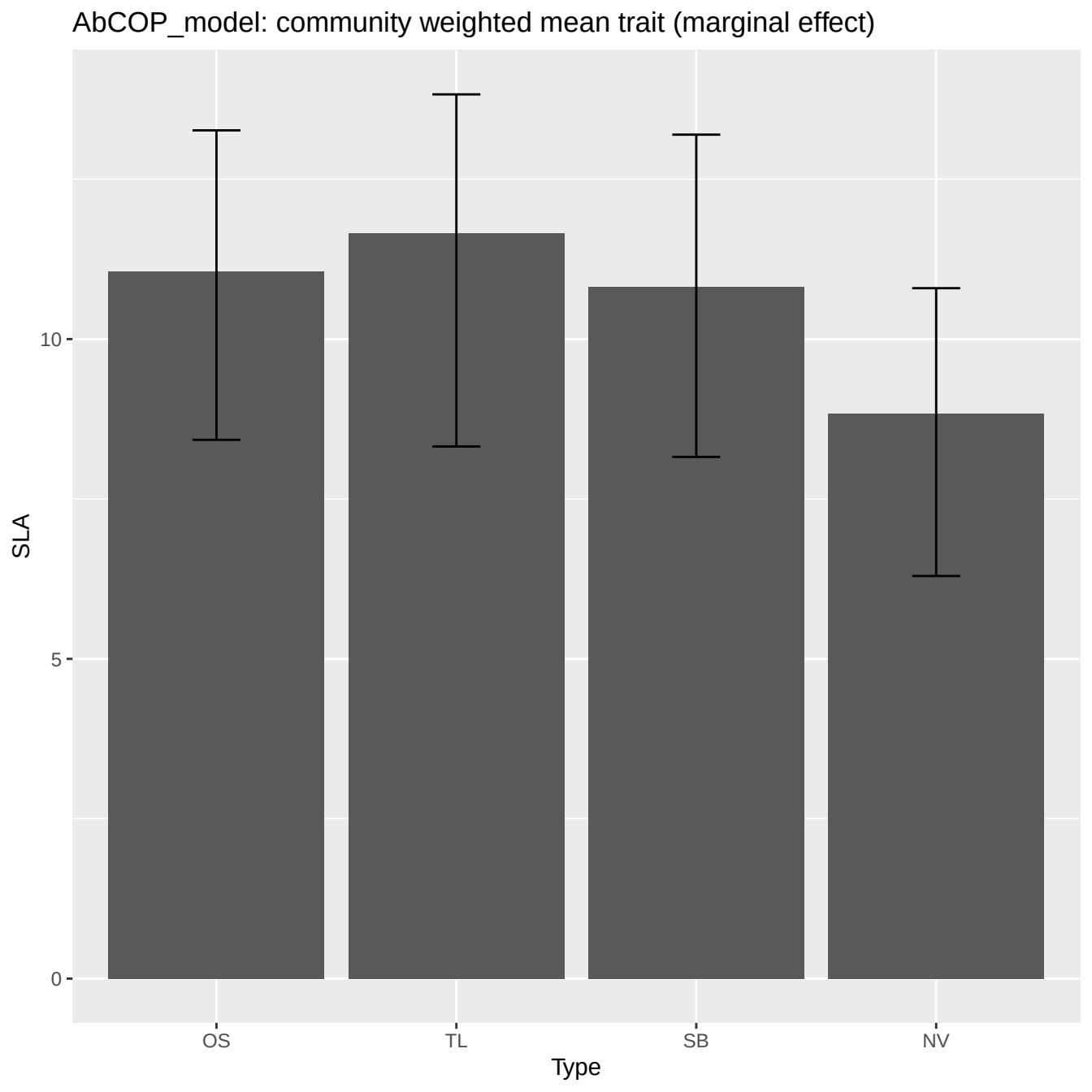

AbCOP_model: community weighted mean trait (total effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

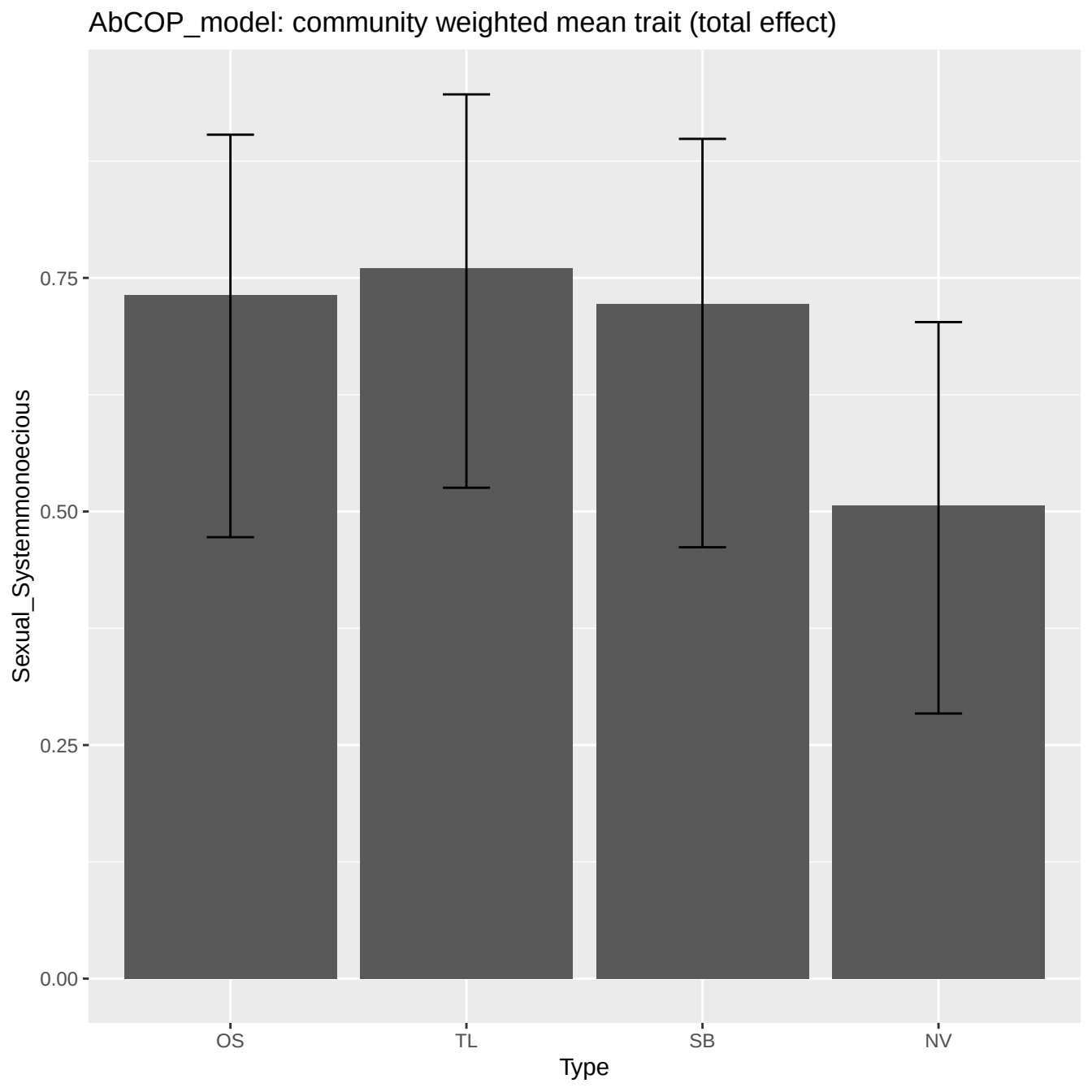

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

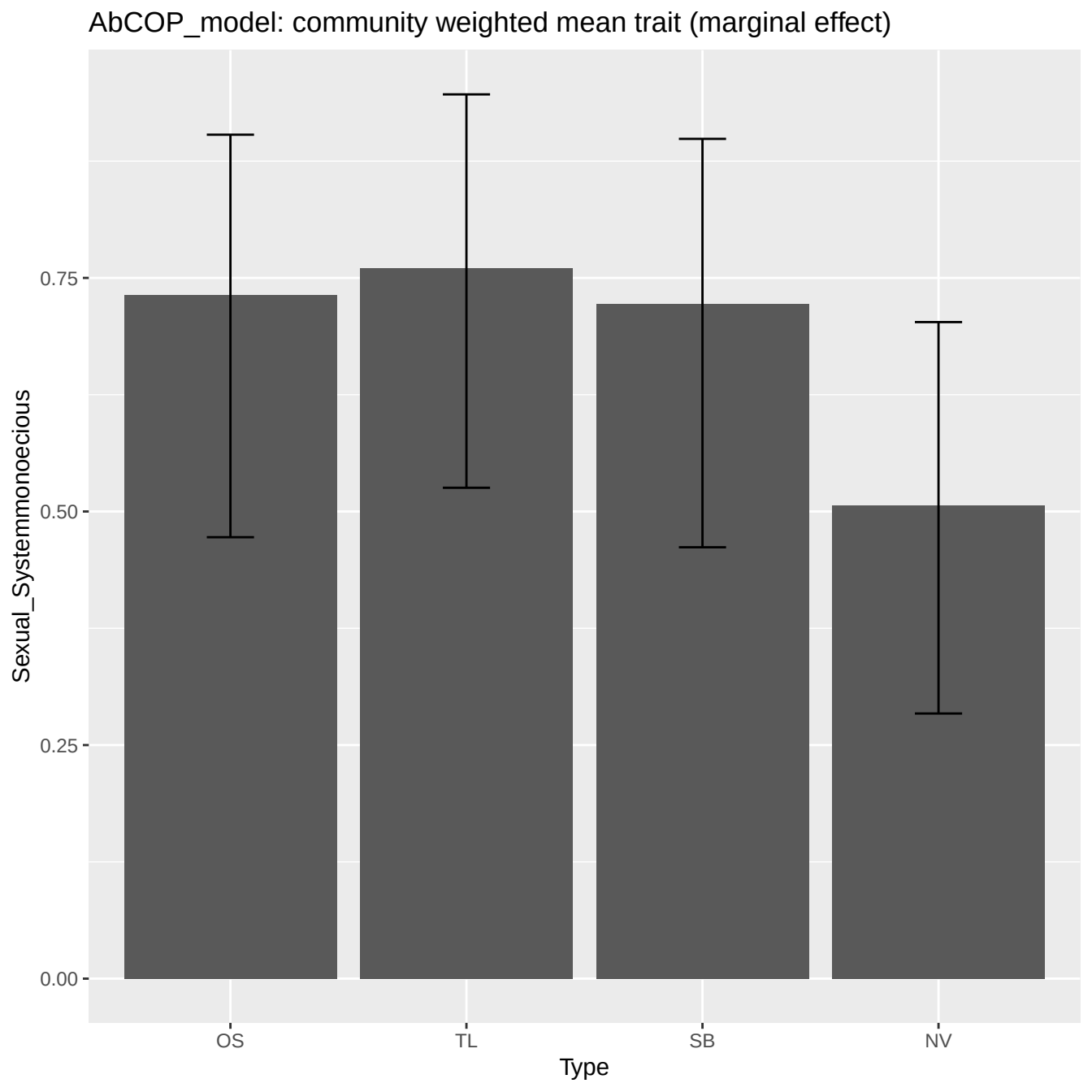

AbCOP_model: community weighted mean trait (total effect)
RootDepth
1.0
0.5
0.0
OS
TL
SB
NV
Type

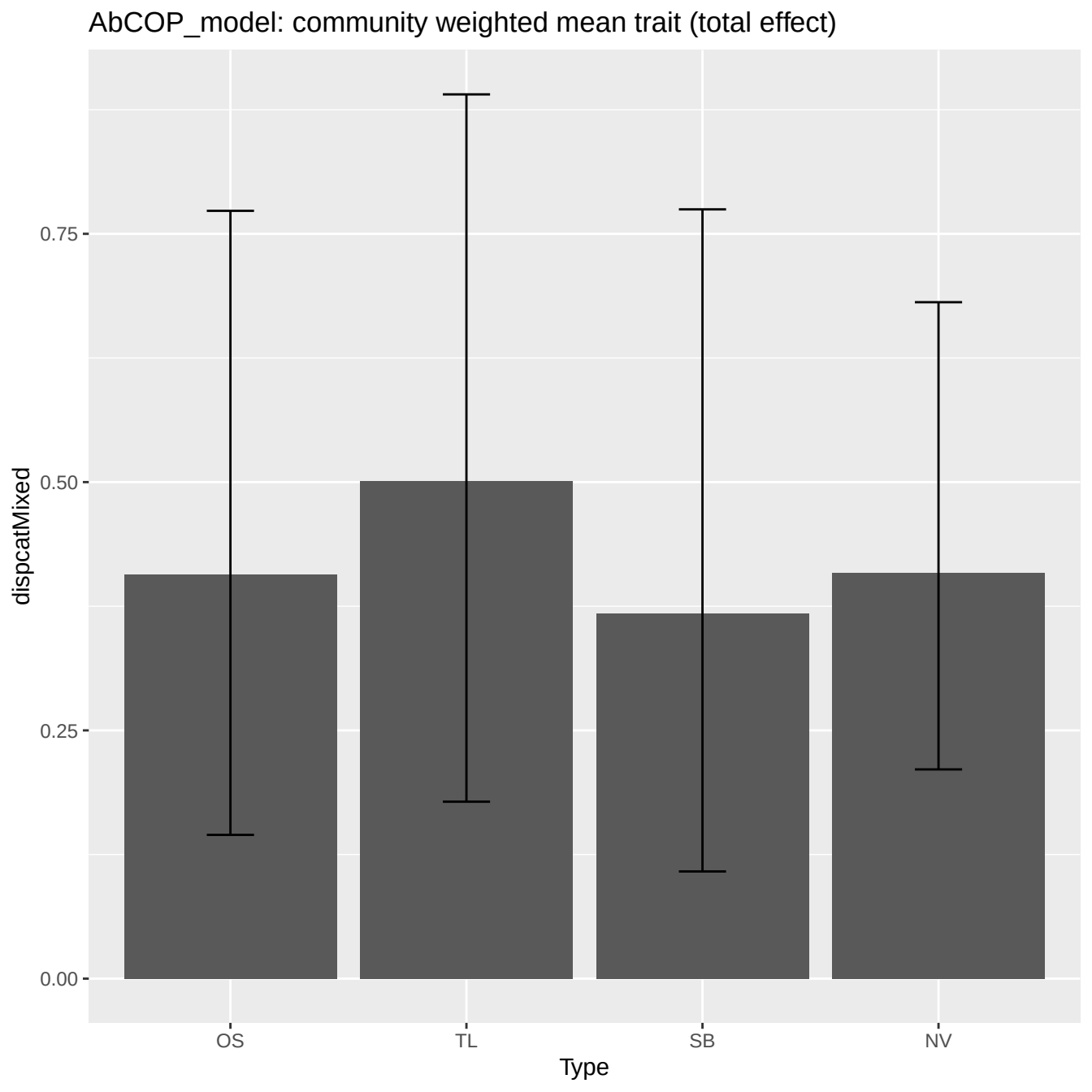

AbCOP_model: community weighted mean trait (marginal effect)
RootDepth
1.0
0.5
0.0
OS
TL
SB
NV
Type

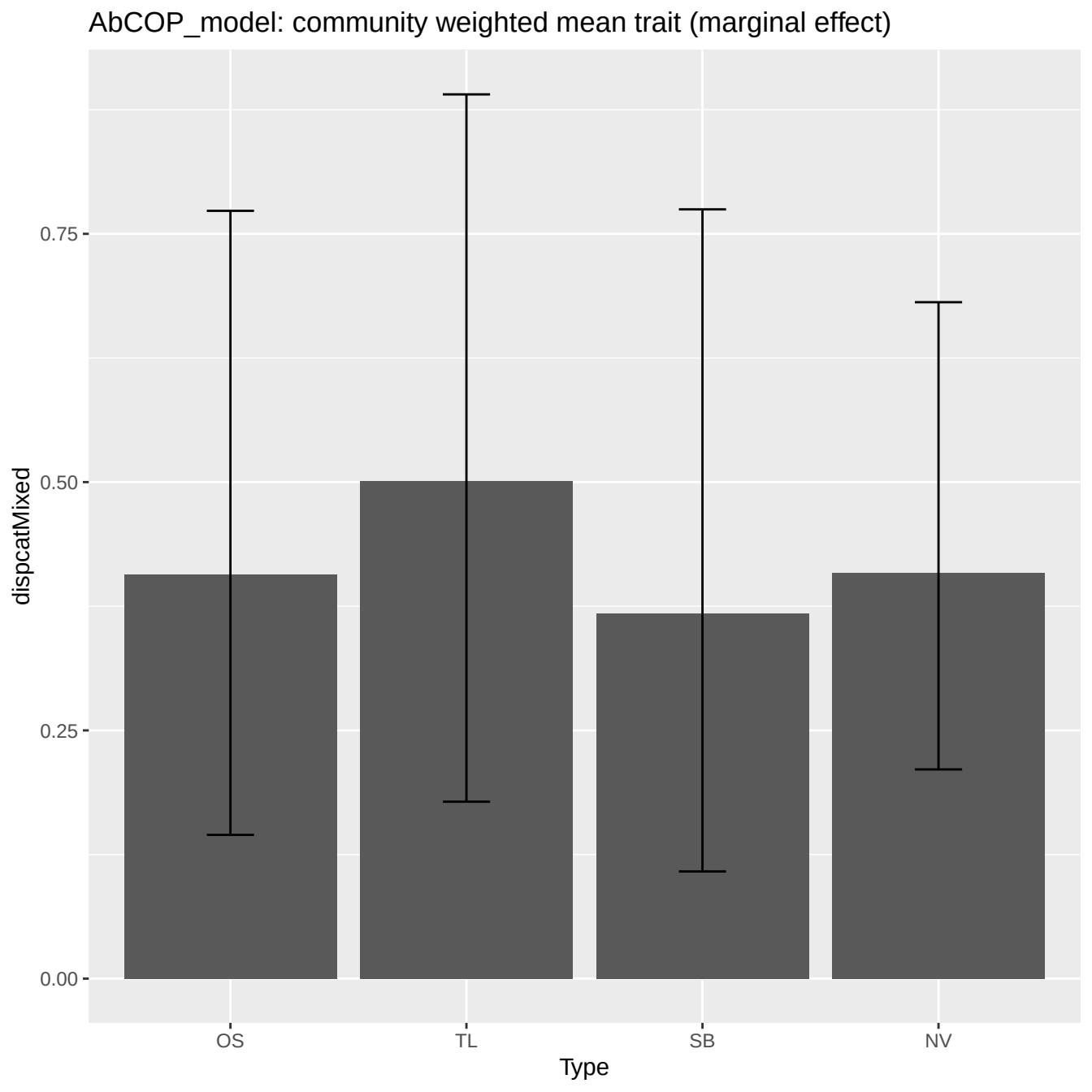

AbCOP_model: community weighted mean trait (total effect)
SLA
10
5
0
OS
TL
SB
NV
Type

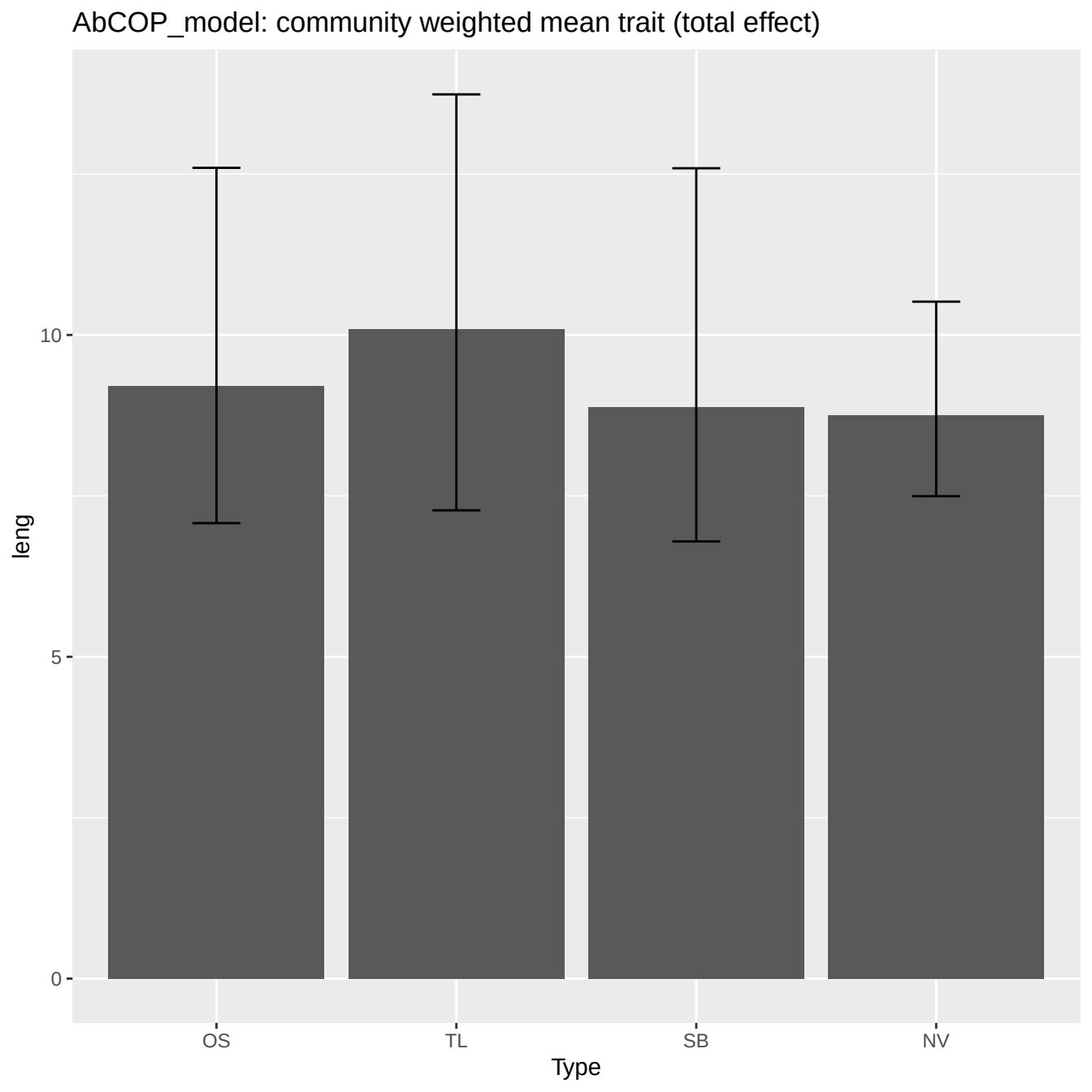

AbCOP_model: community weighted mean trait (marginal effect)
SLA
10
5
0
OS
TL
SB
NV
Type

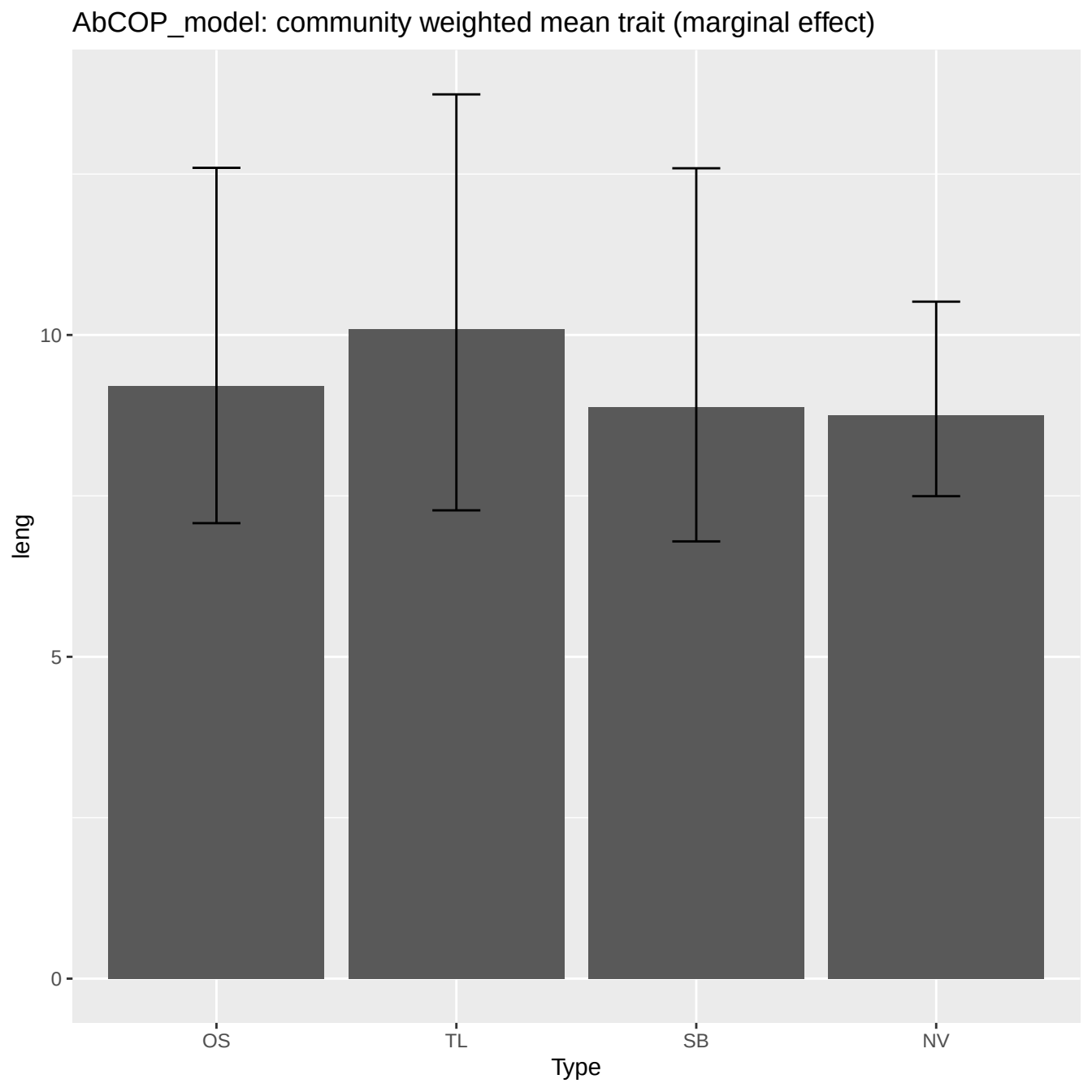

AbCOP_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

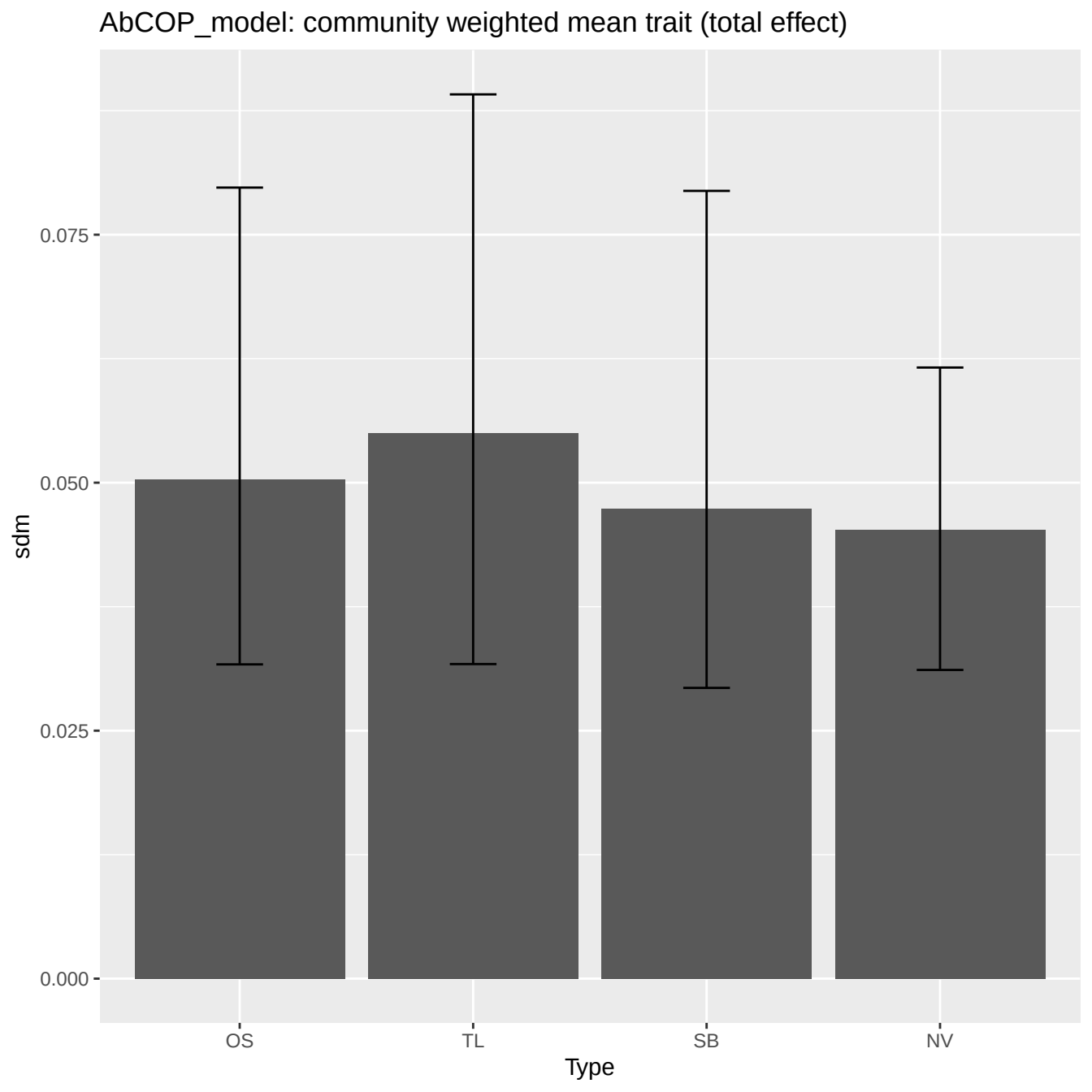

AbCOP_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
OS
TL
SB
NV
Type

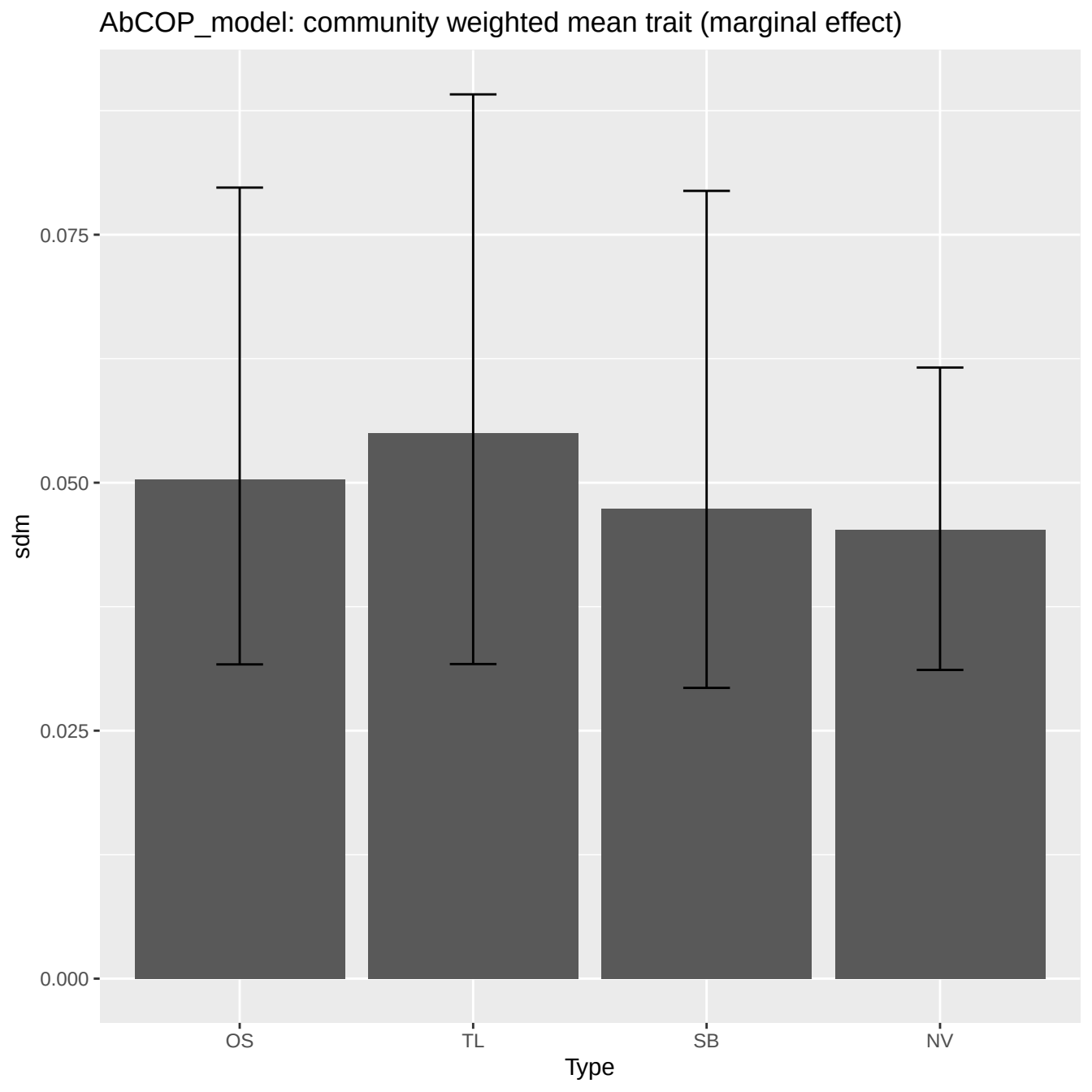

AbCOP_model: community weighted mean trait (total effect)
dispcatMixed
0.00
0.25
0.50
0.75
OS
TL
SB
NV
Type

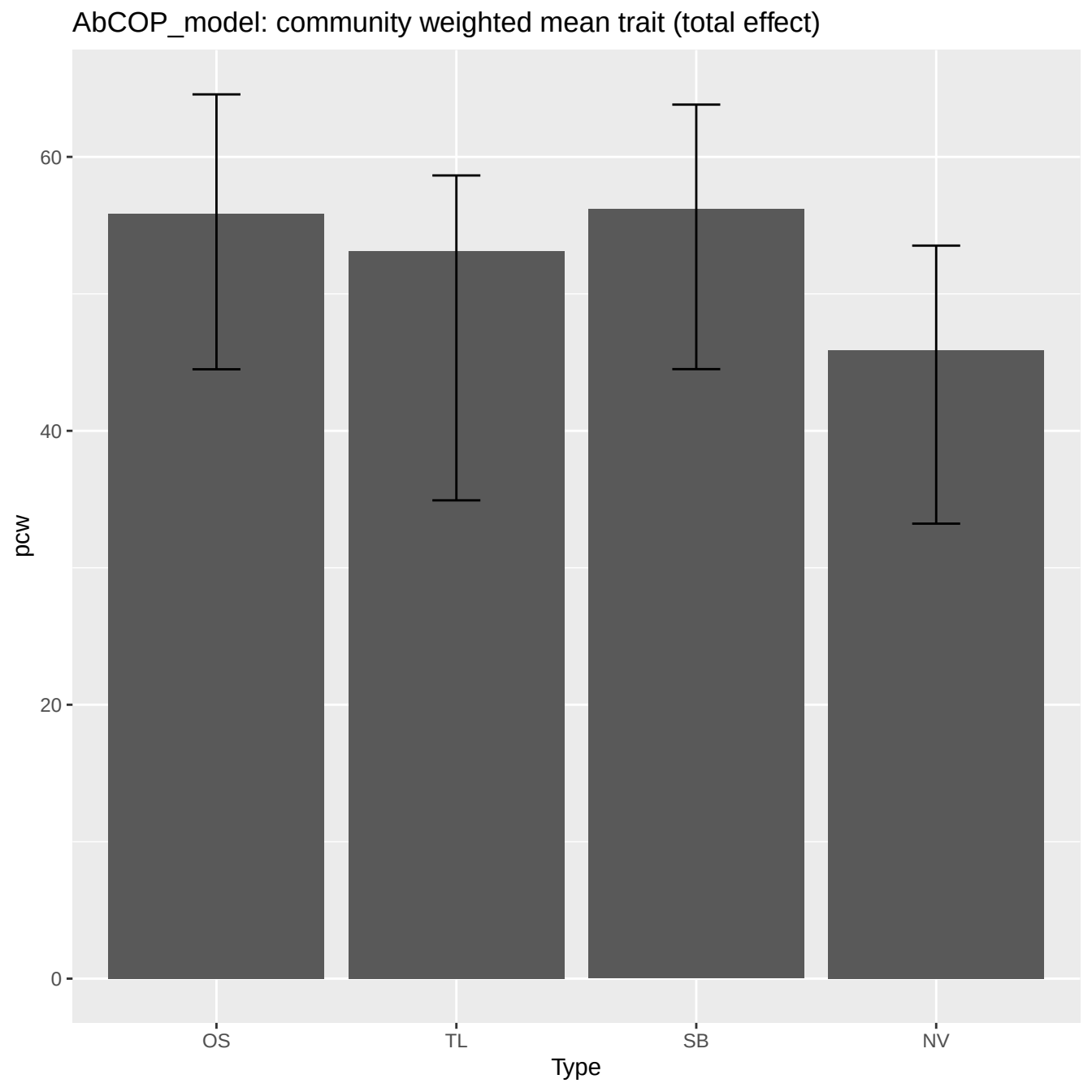

AbCOP_model: community weighted mean trait (marginal effect)
dispcatMixed
0.00
0.25
0.50
0.75
OS
TL
SB
NV
Type

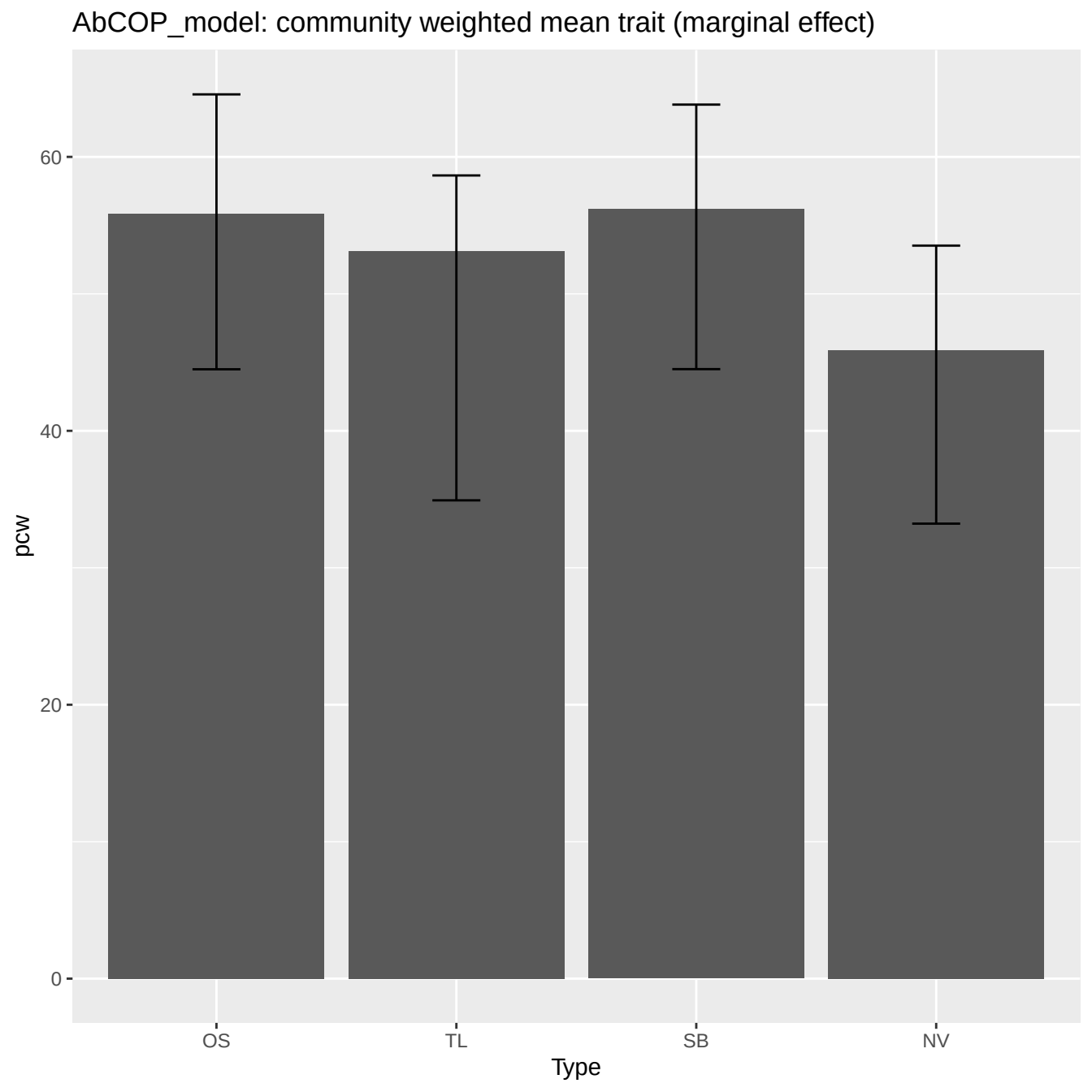

AbCOP_model: community weighted mean trait (total effect)
leng
10
5
0
OS
TL
SB
NV
Type

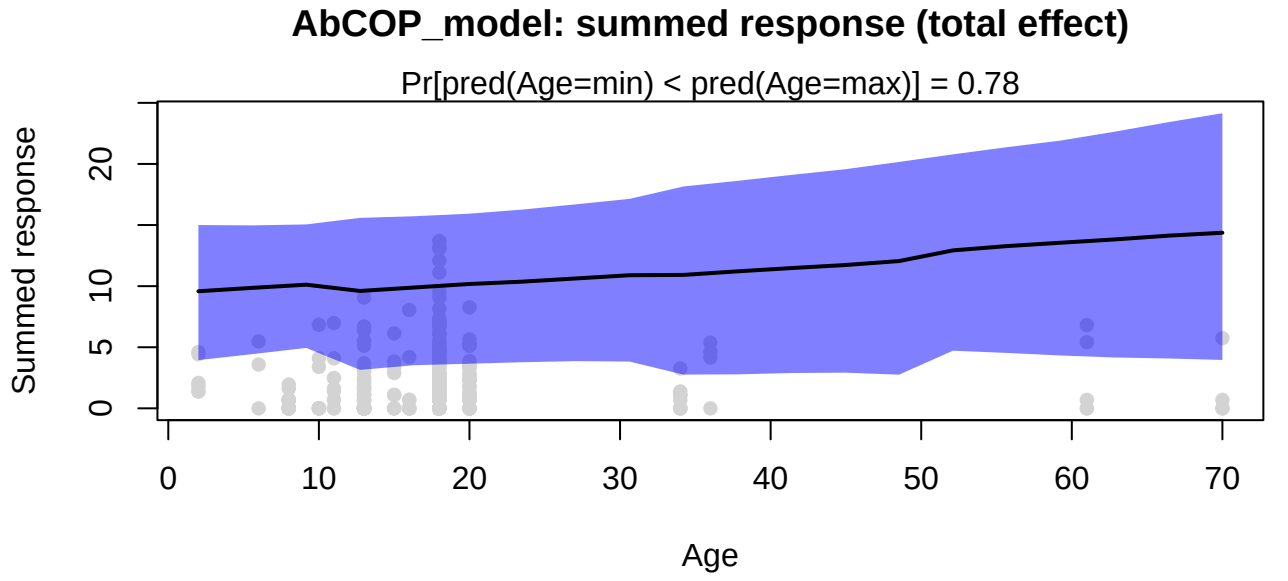

AbCOP_model: community weighted mean trait (marginal effect)
leng
10
5
0
OS
TL
SB
NV
Type

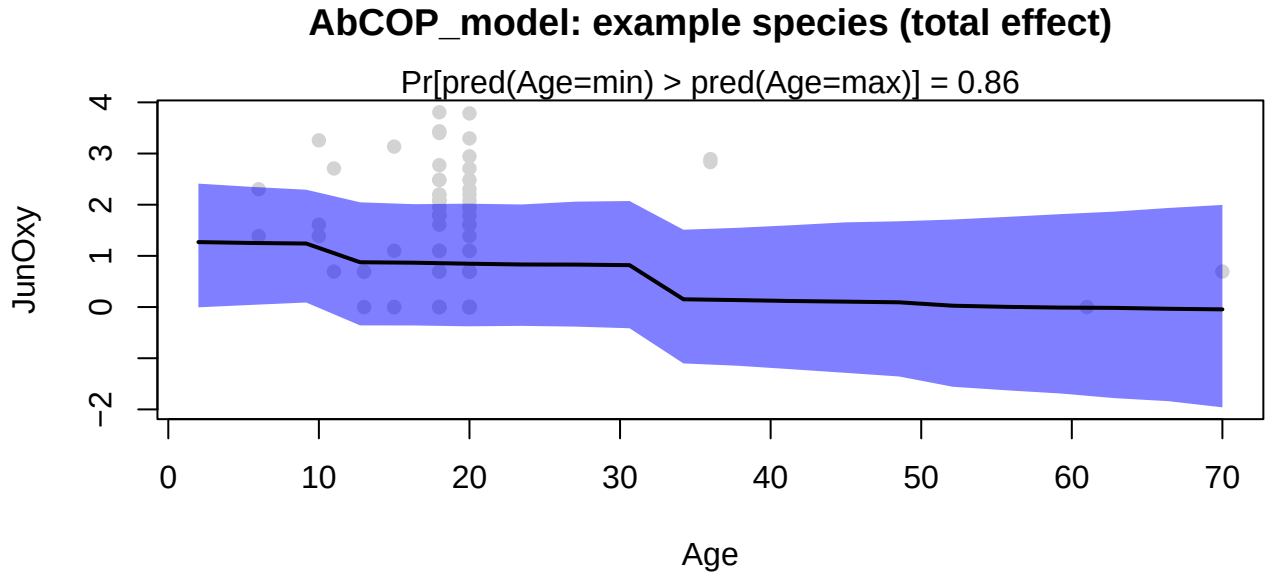

AbCOP_model: community weighted mean trait (total effect)
sdm
0.075
0.050
0.025
0.000
OS
TL
SB
NV
Type

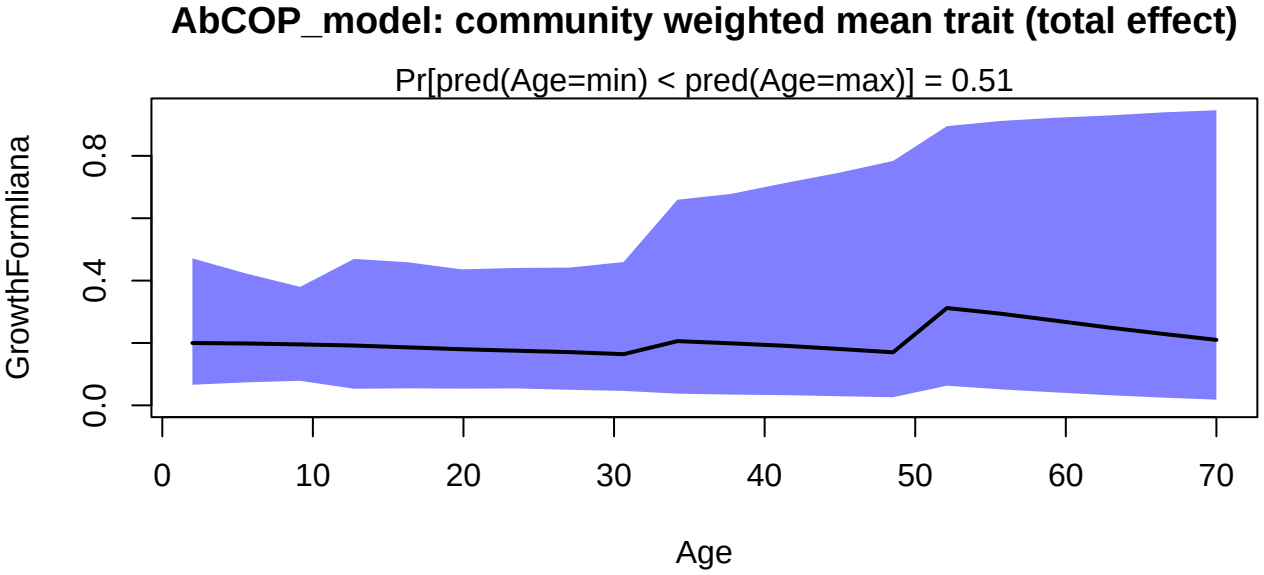

AbCOP_model: community weighted mean trait (marginal effect)
sdm
0.075
0.050
0.025
0.000
OS
TL
SB
NV
Type

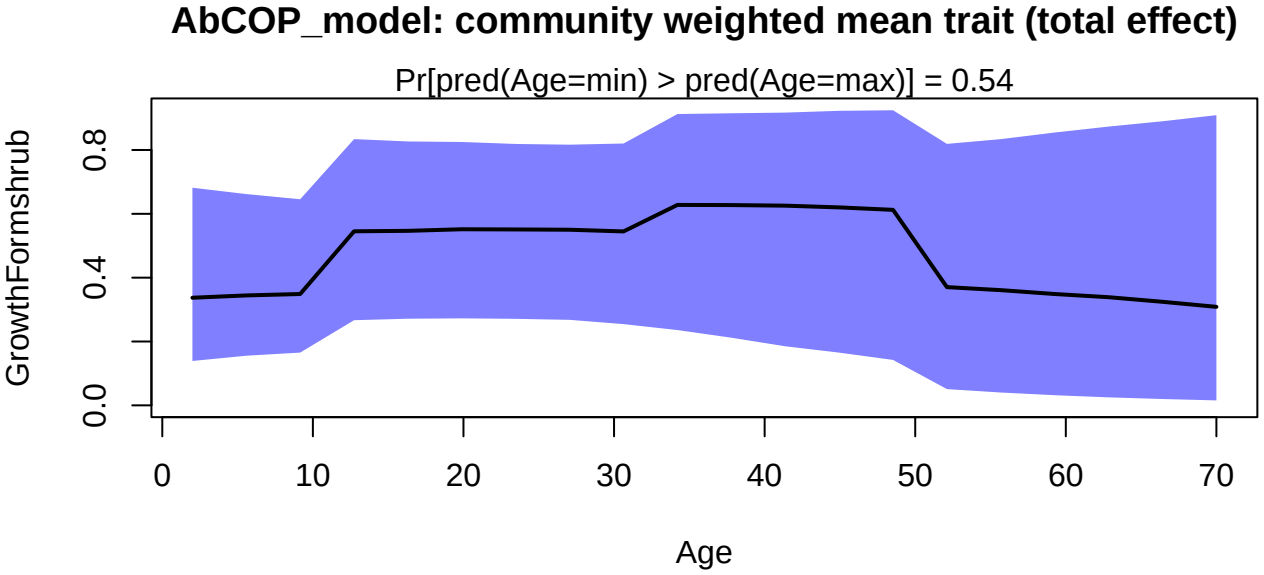

AbCOP_model: community weighted mean trait (total effect)
60
40
20
0
pcw
OS
TL
SB
NV
Type

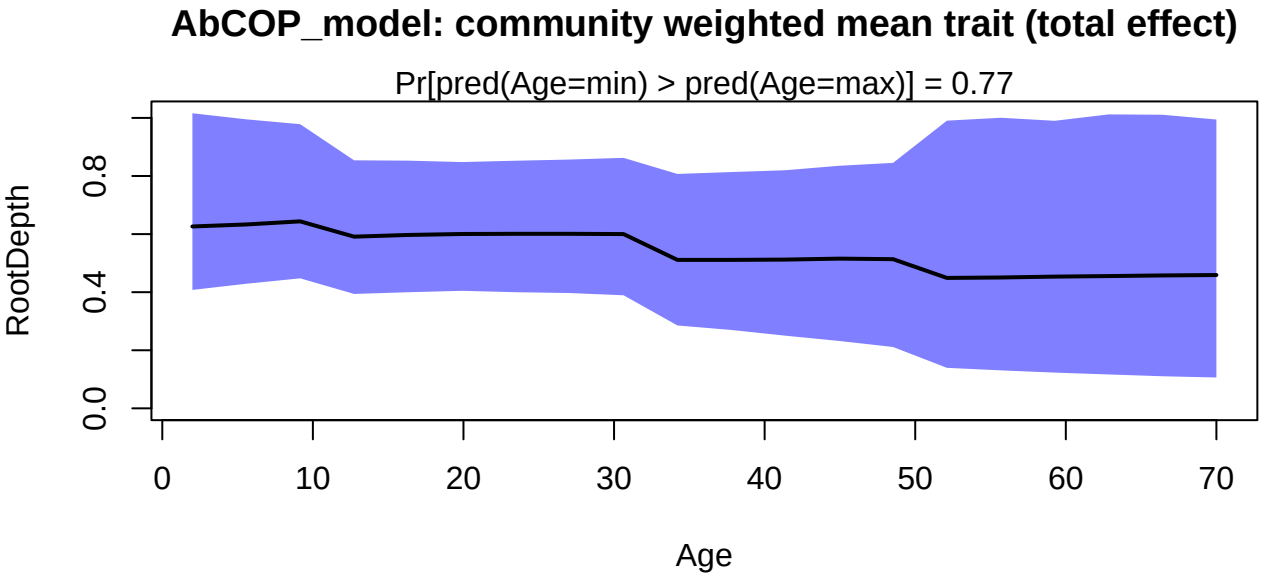

AbCOP_model: community weighted mean trait (marginal effect)
60
40
20
0
pcw
OS
TL
SB
NV
Type

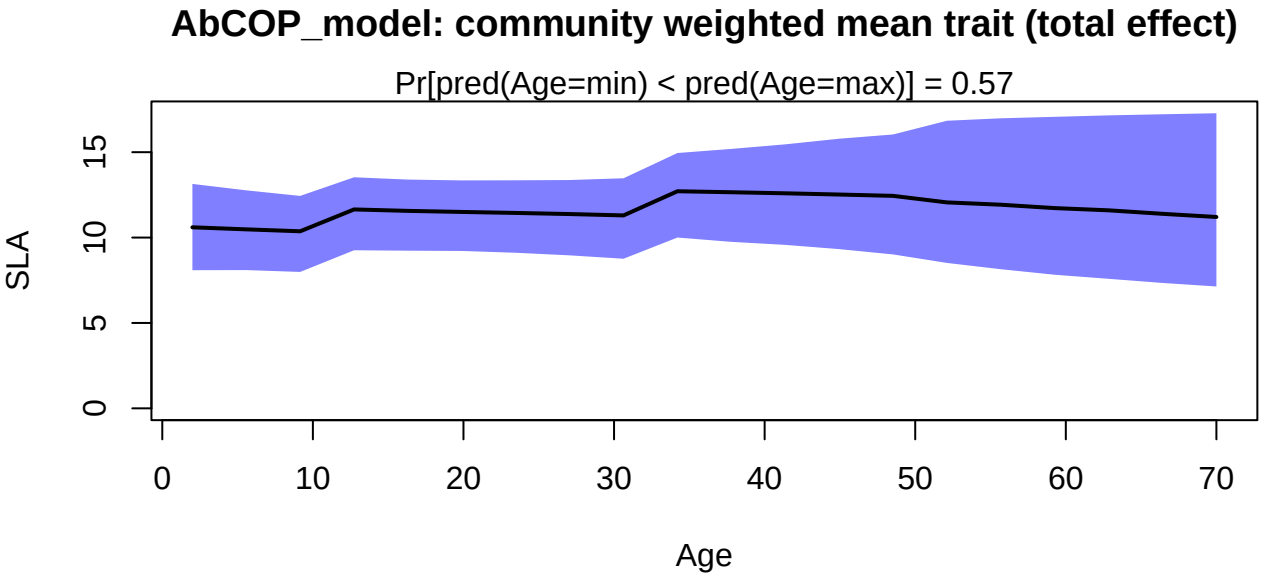

AbCOP_model: summed response (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.78
Summed response
0
5
10
20
0
10
20
30
40
50
60
70
Age

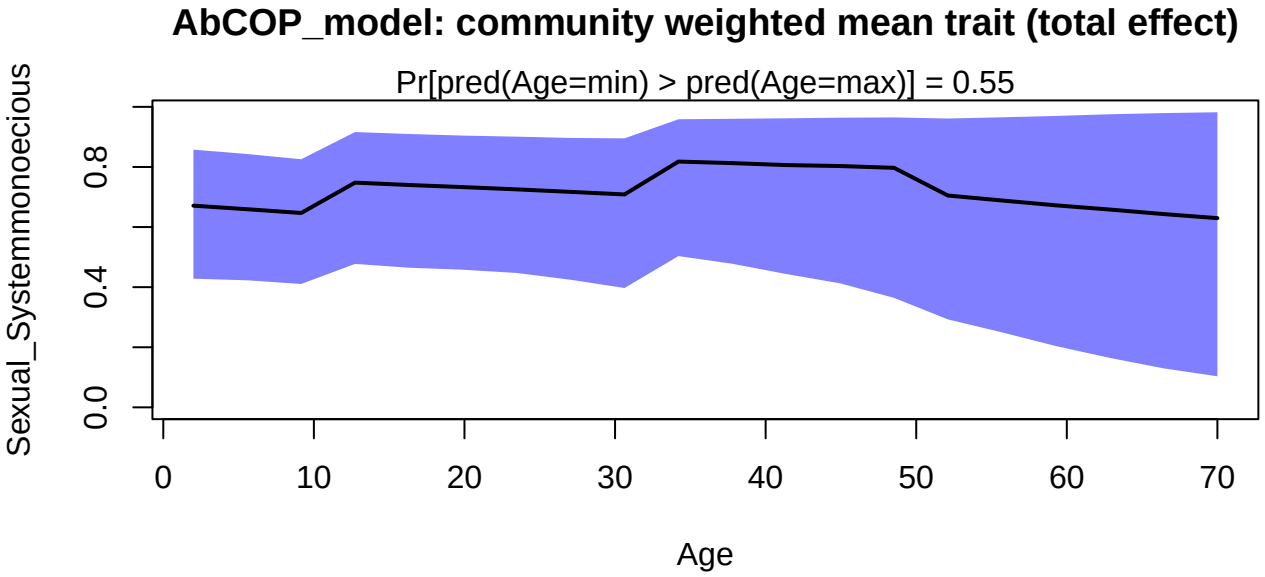

AbCOP_model: example species (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.86
JunOxy
−2
0
1
2
3
4
0
10
20
30
40
50
60
70
Age

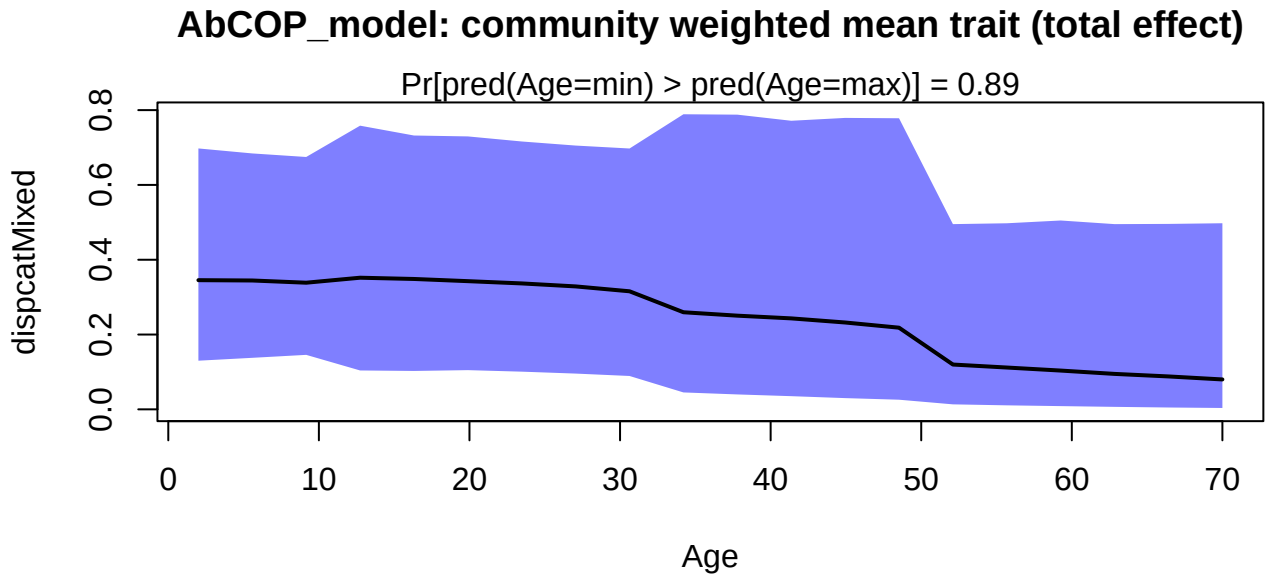

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.51
GrowthFormliana
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

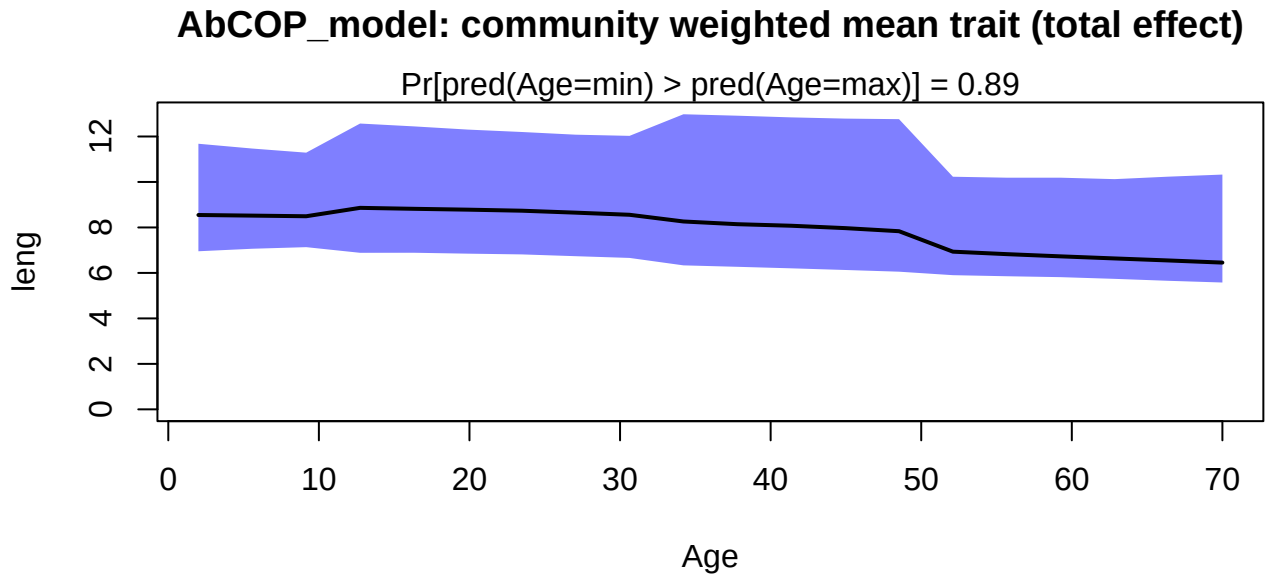

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.54
GrowthFormshrub
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

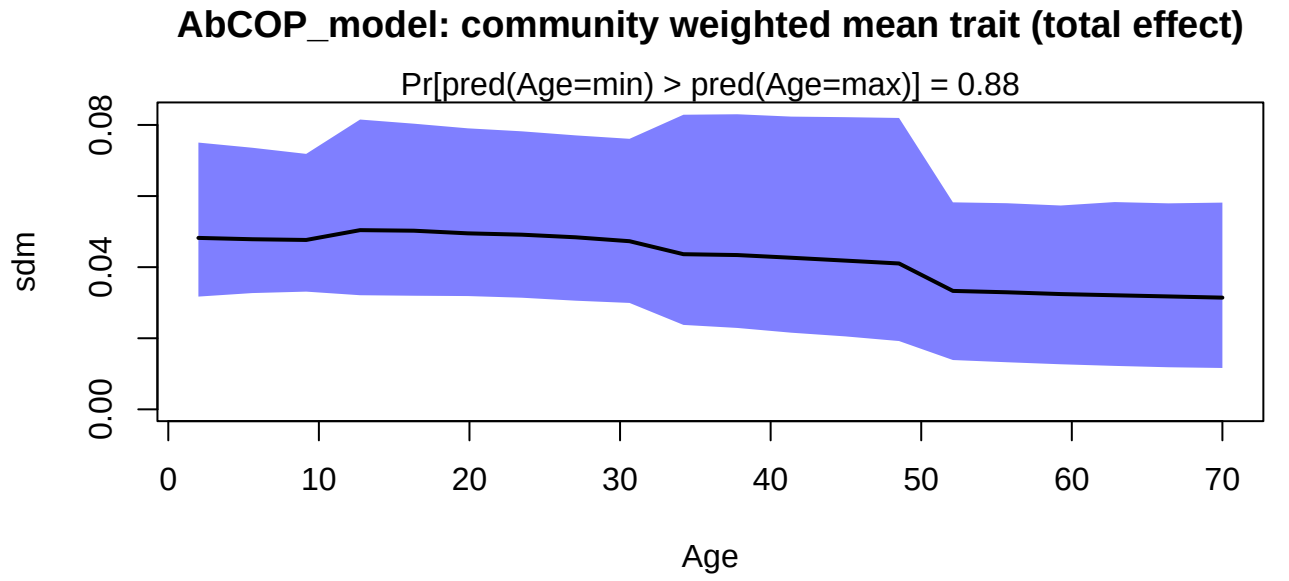

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.77
RootDepth
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

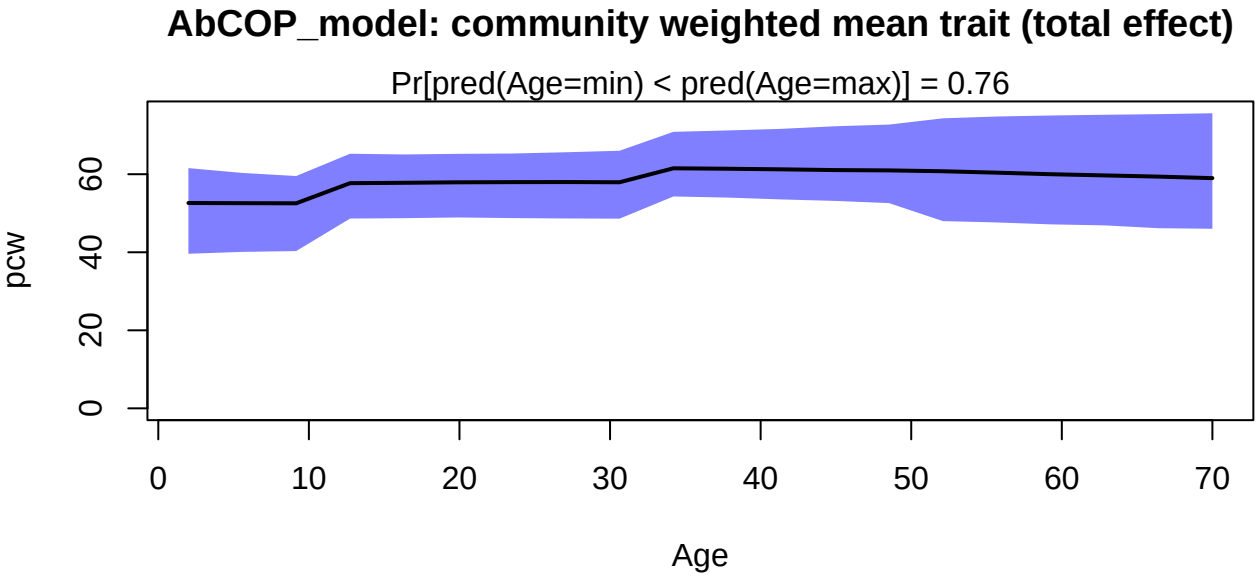

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.57
SLA
0
5
10
15
0
10
20
30
40
50
60
70
Age

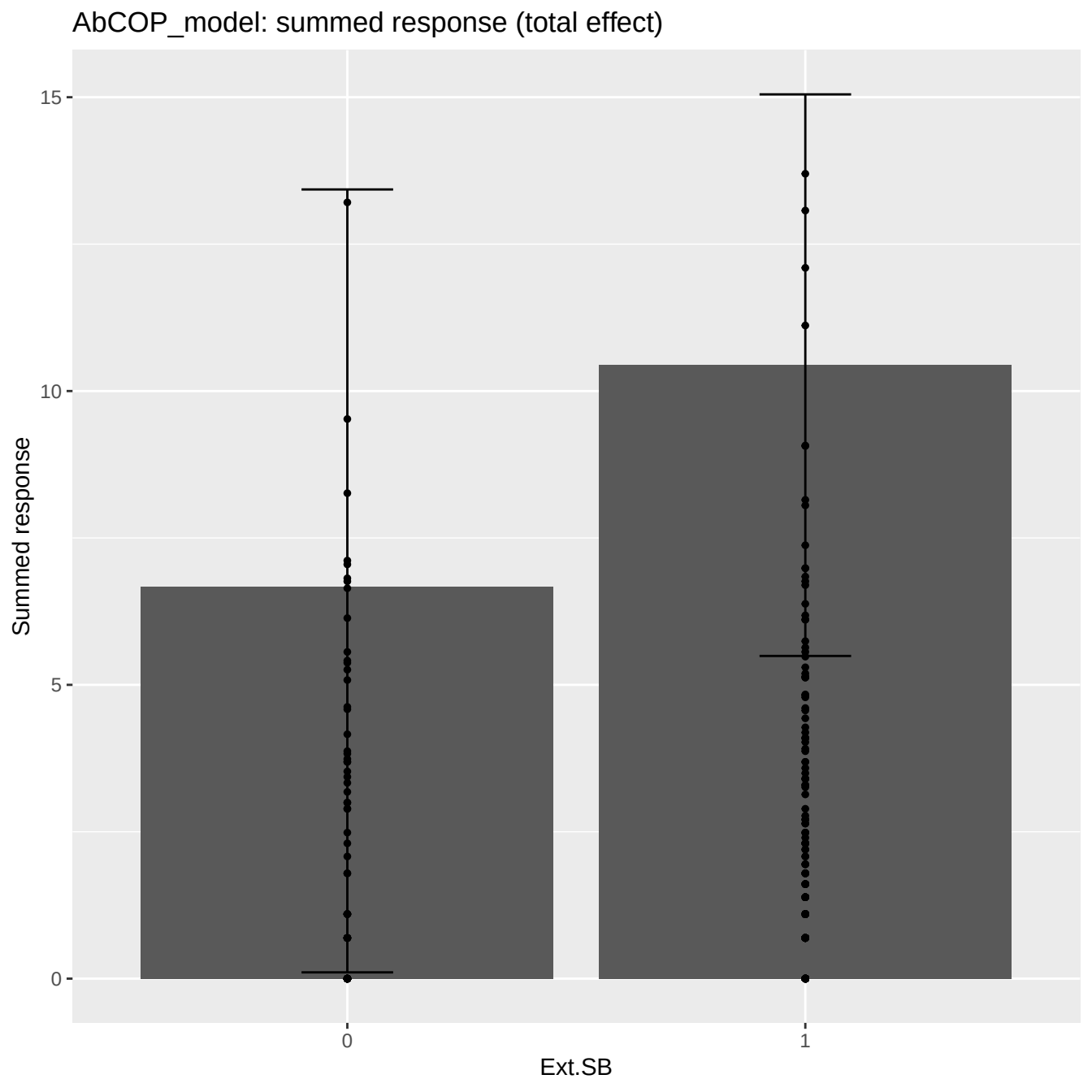

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.55
Sexual_Systemmonoecious
0.0
0.4
0.8
0
10
20
30
40
50
60
70
Age

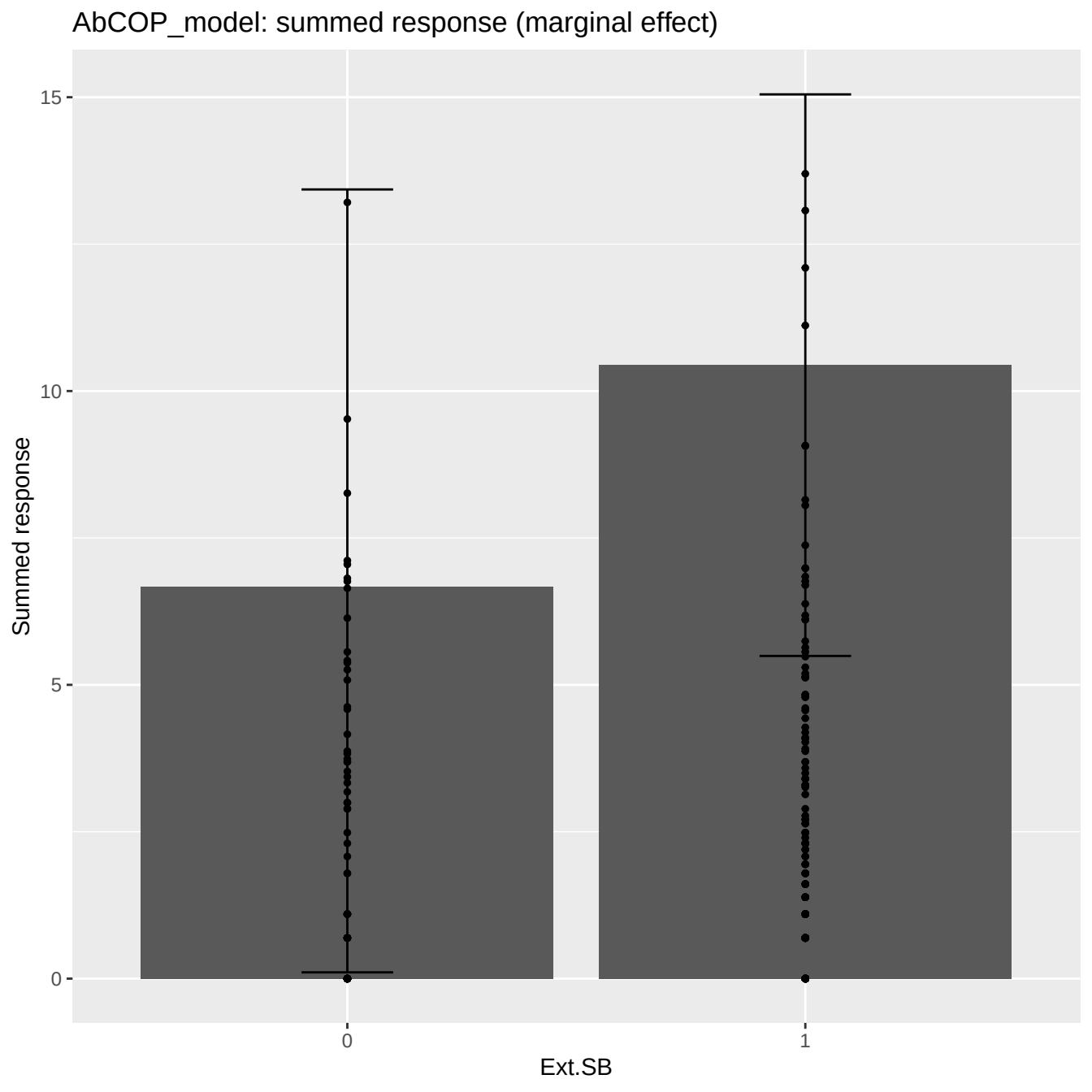

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.89
dispcatMixed
0.0
0.2
0.4
0.6
0.8
0
10
20
30
40
50
60
70
Age

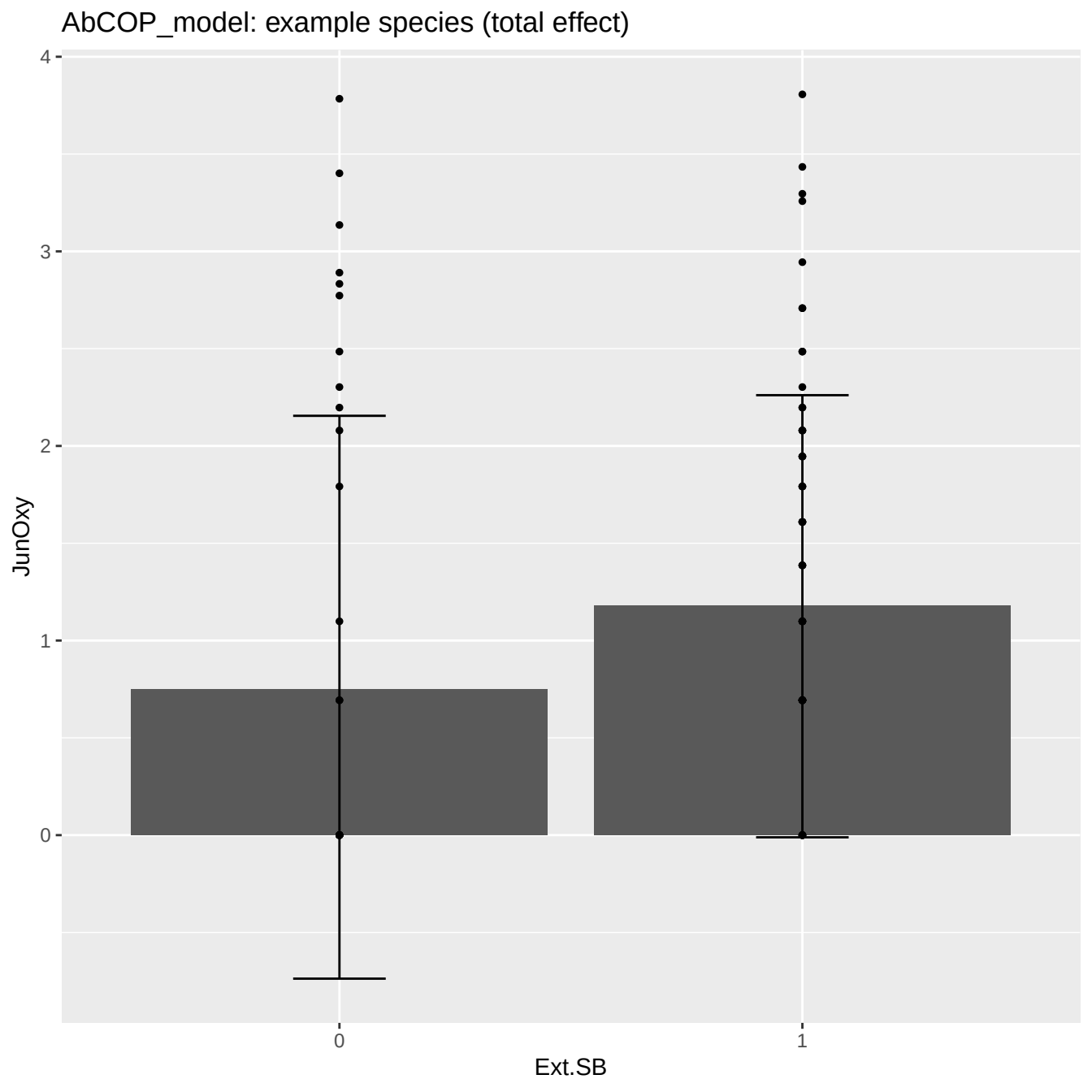

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.89
leng
0
2
4
6
8
12
0
10
20
30
40
50
60
70
Age

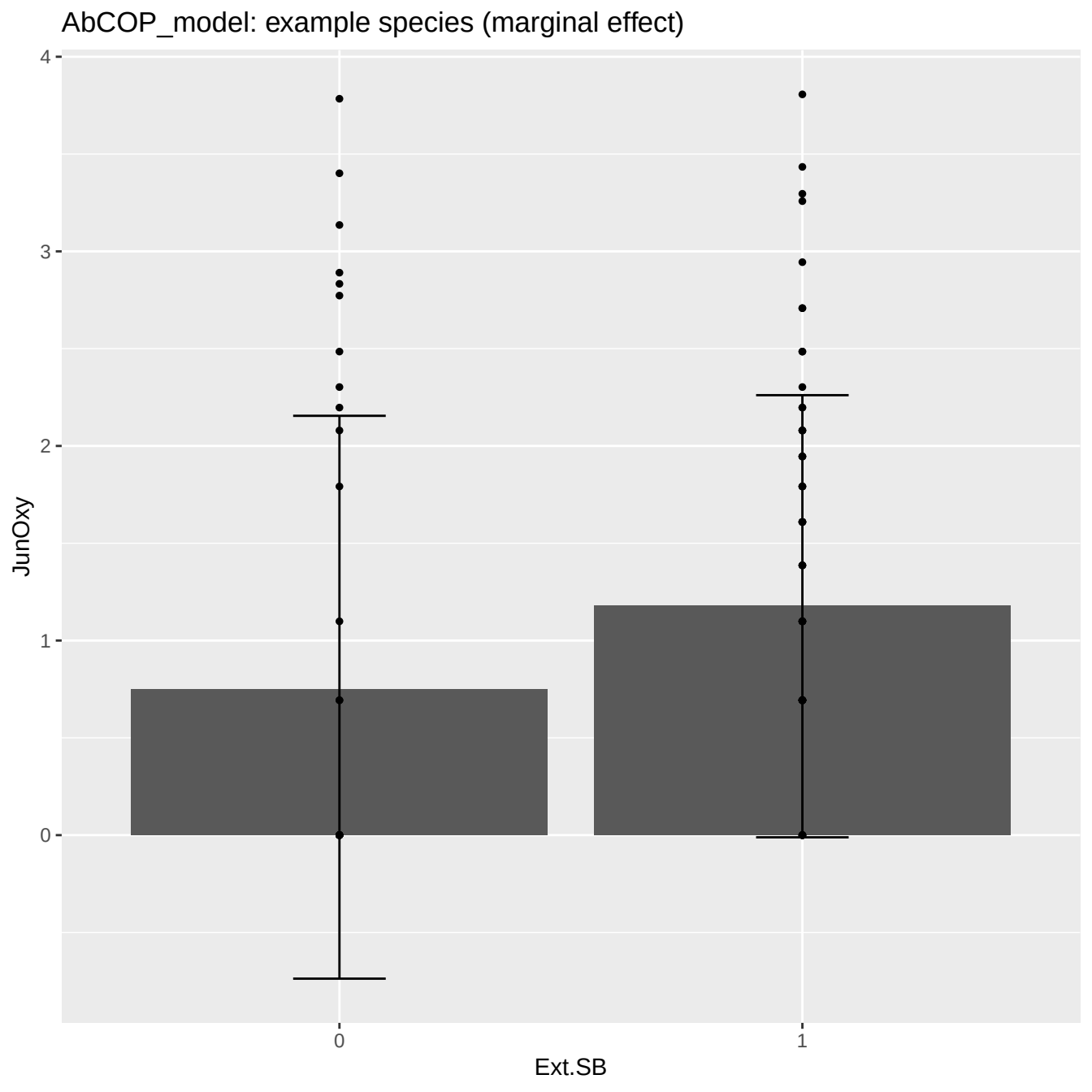

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) > pred(Age=max)] = 0.88
sdm
0.00
0.04
0.08
0
10
20
30
40
50
60
70
Age

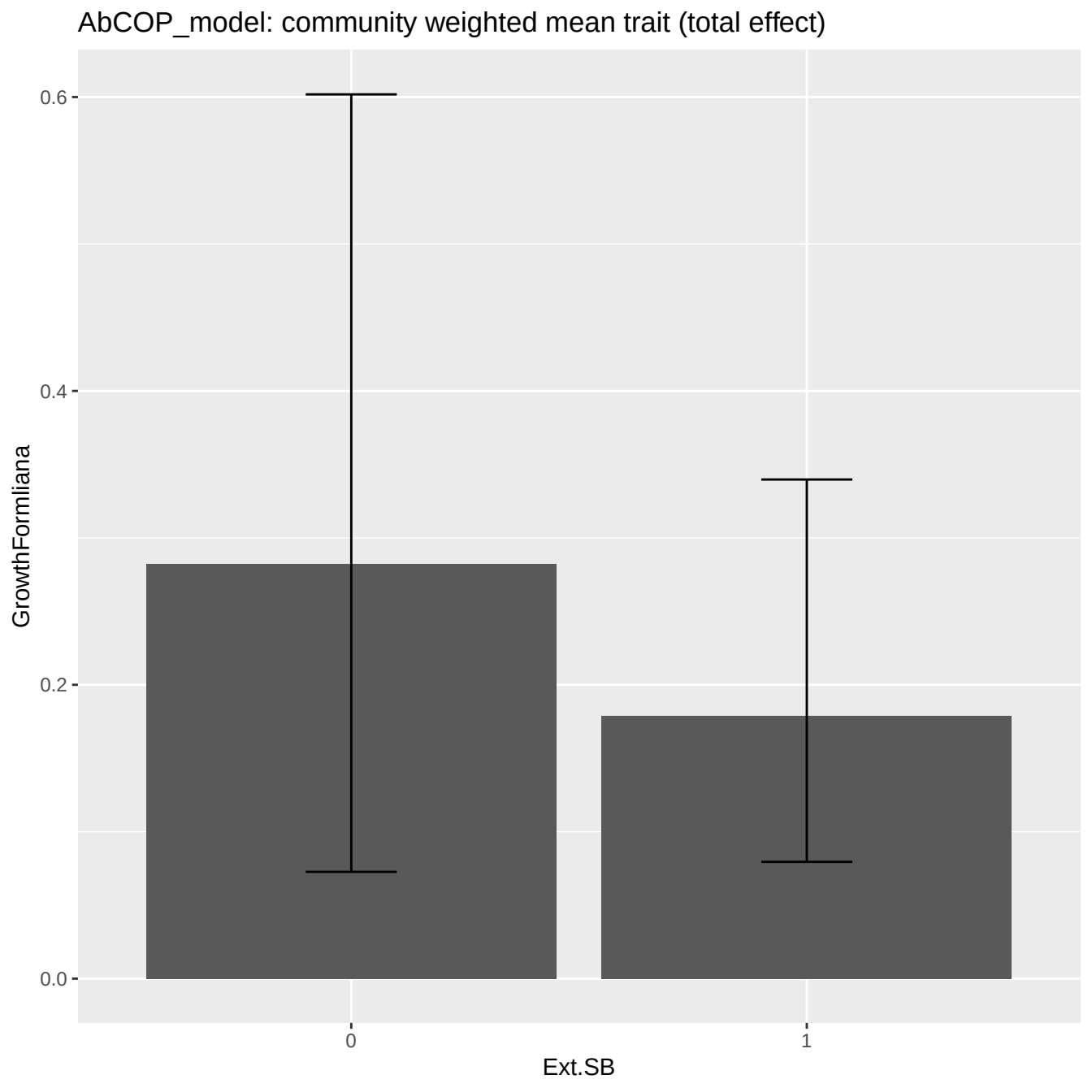

AbCOP_model: community weighted mean trait (total effect)
Pr[pred(Age=min) < pred(Age=max)] = 0.76
pcw
0
20
40
60
0
10
20
30
40
50
60
70
Age

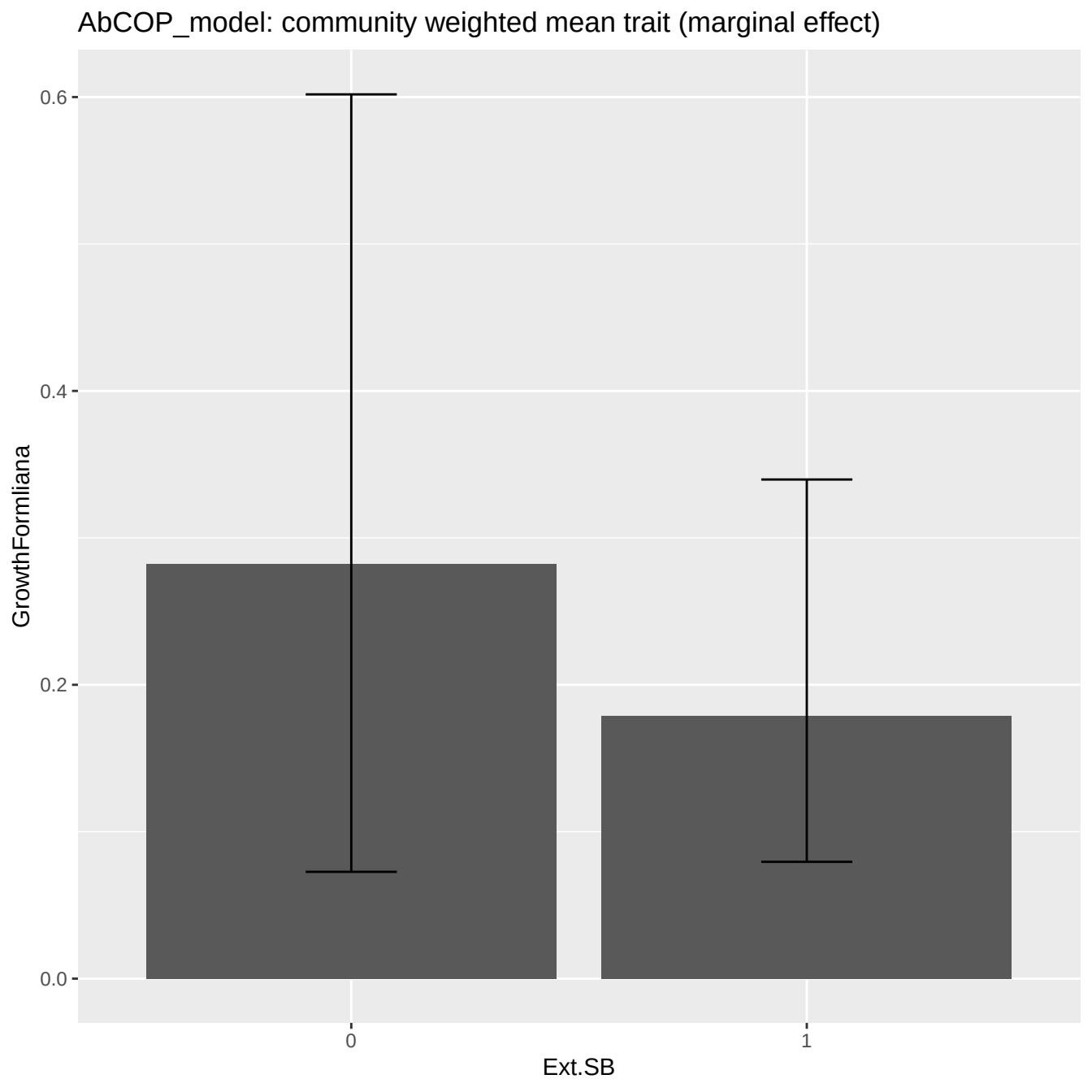

AbCOP_model: summed response (total effect)
15
10
5
0
Summed response
0
1
Ext.SB

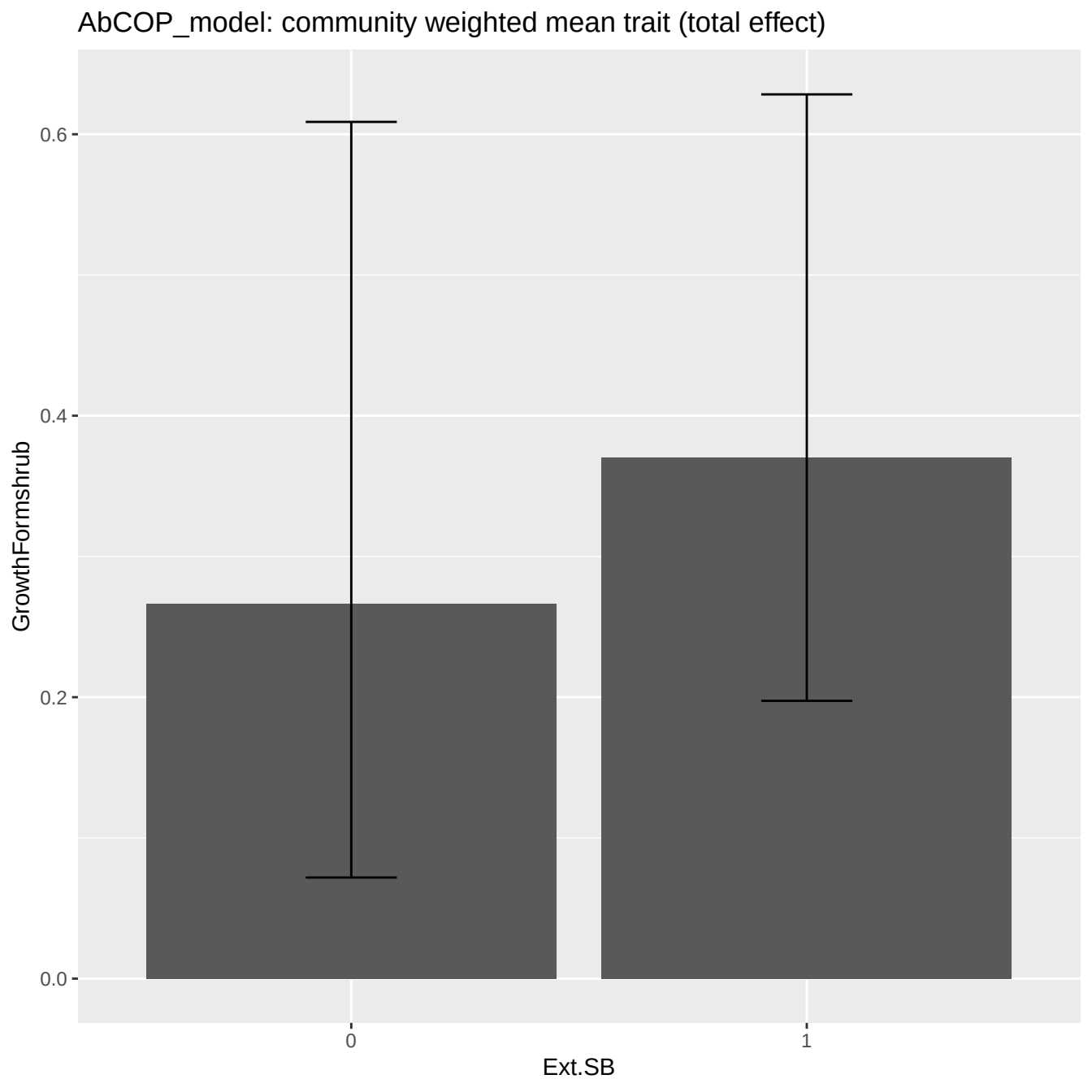

AbCOP_model: summed response (marginal effect)
15
10
5
0
Summed response
0
1
Ext.SB

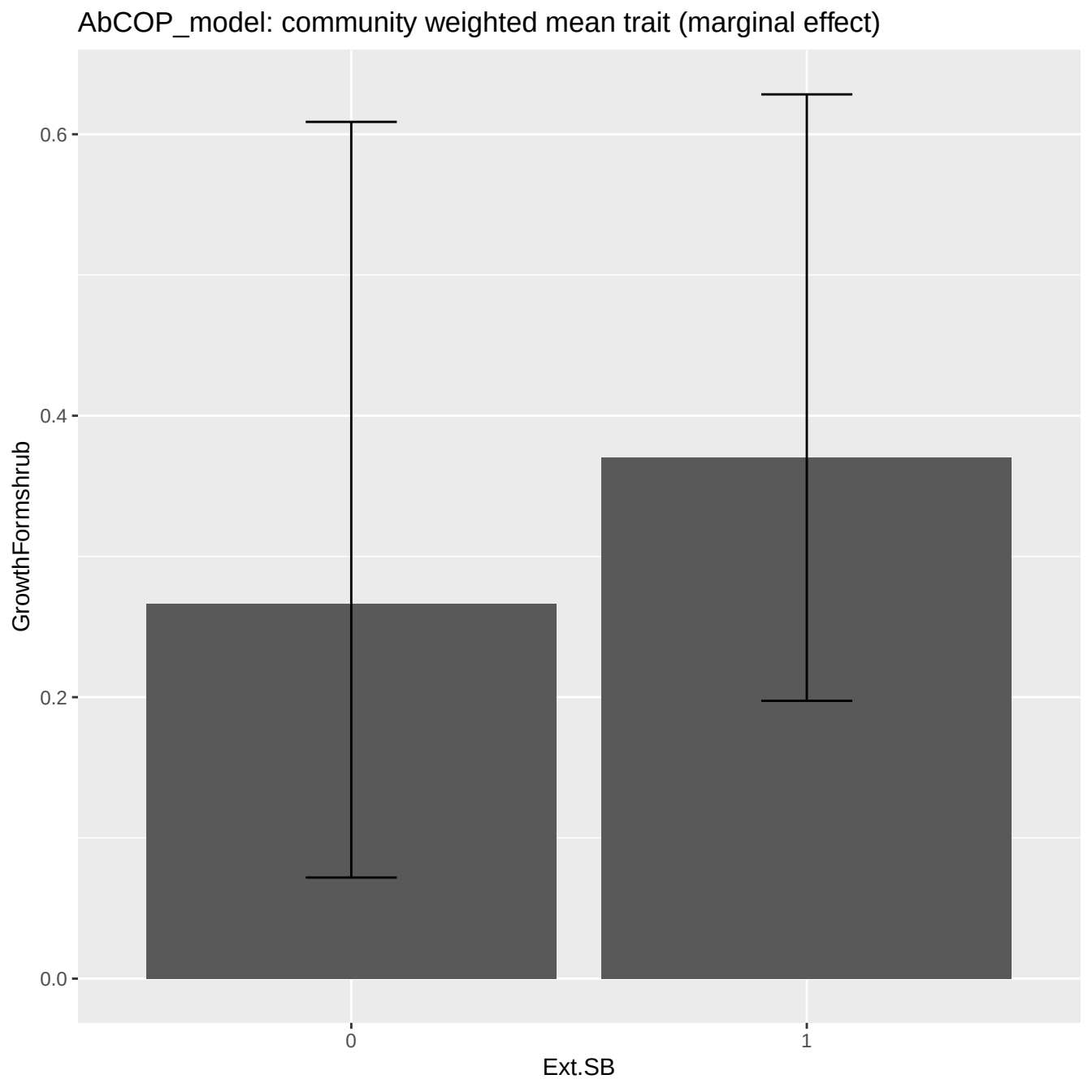

AbCOP_model: example species (total effect)
JunOxy
4
3
2
1
0
0
1
Ext.SB

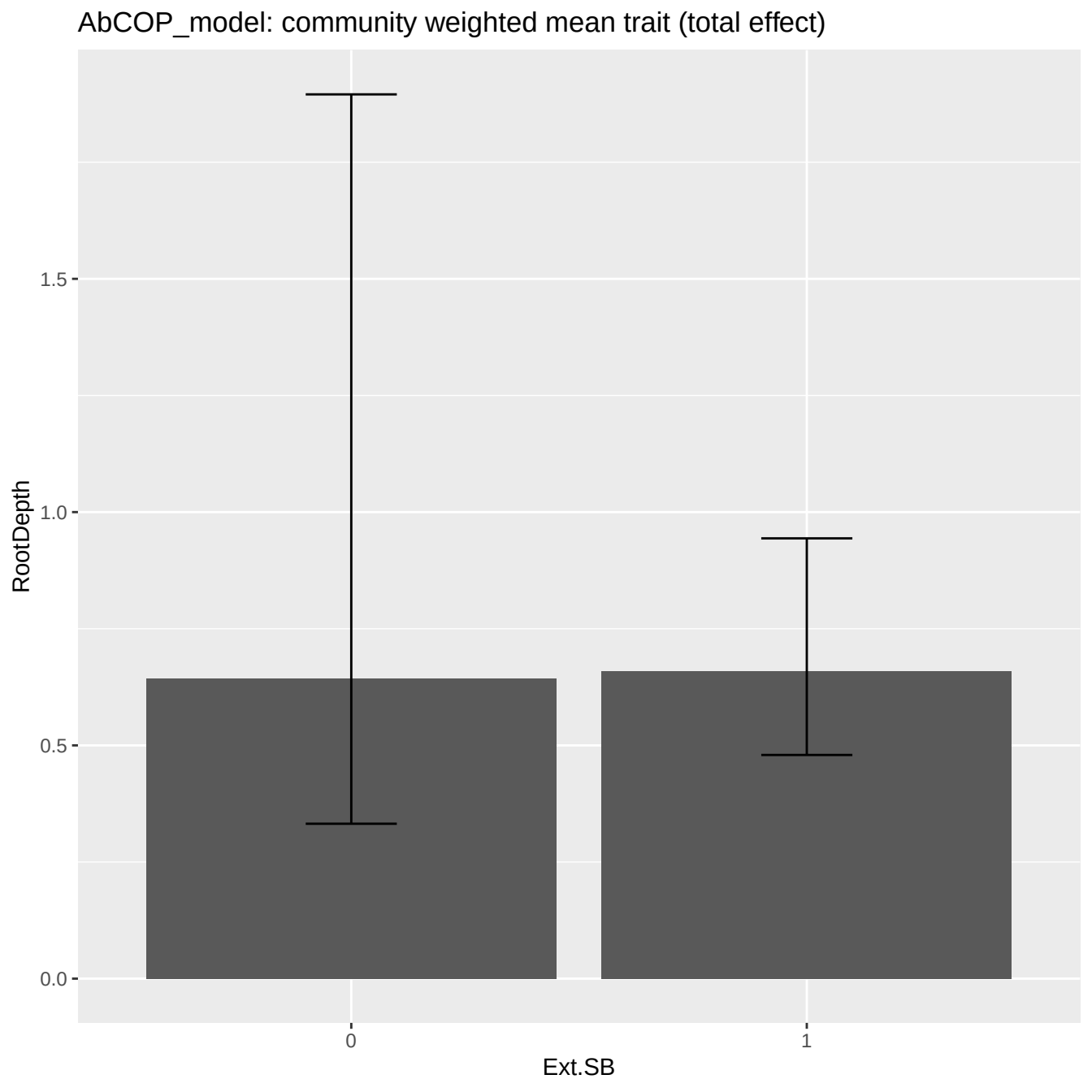

AbCOP_model: example species (marginal effect)
JunOxy
4
3
2
1
0
0
1
Ext.SB

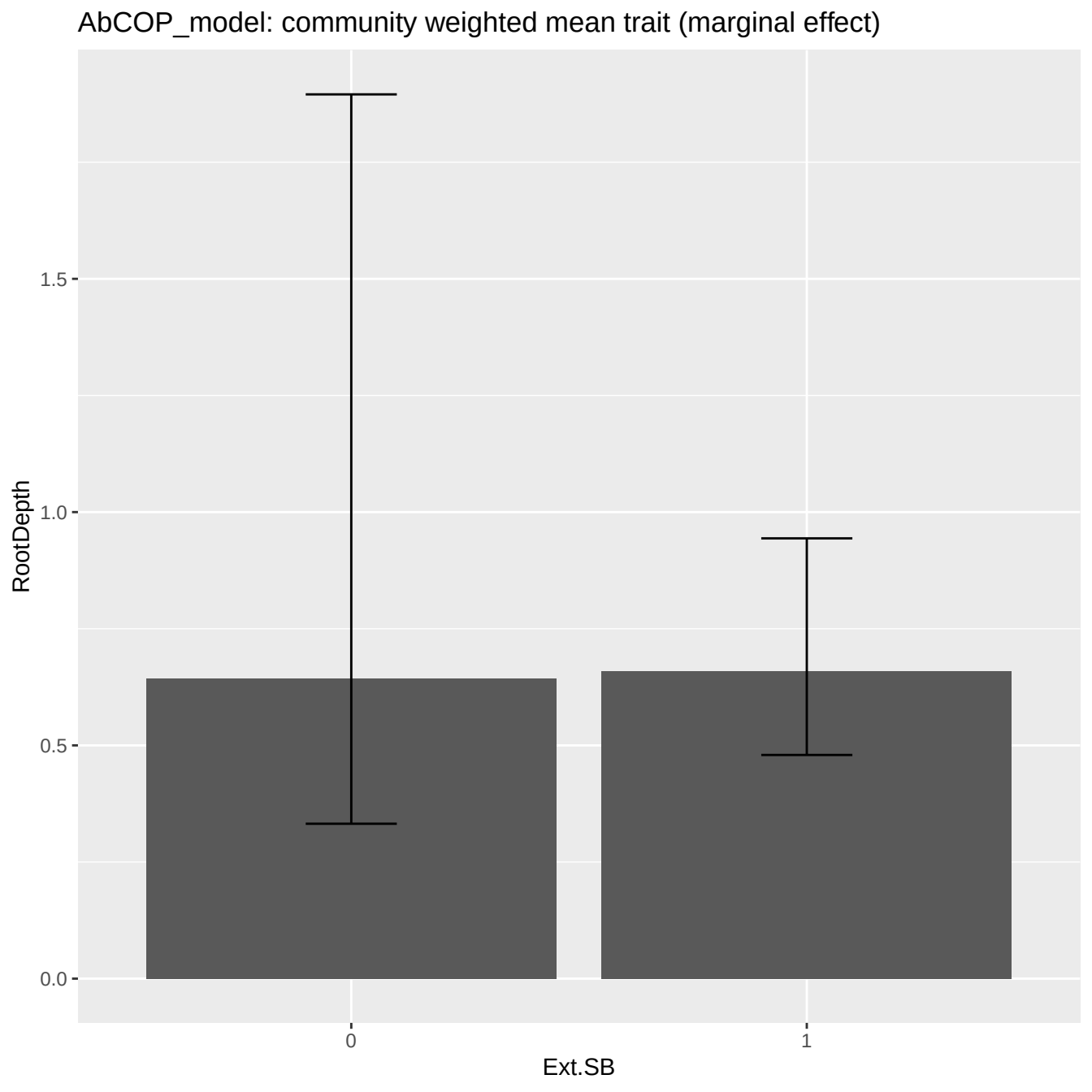

AbCOP_model: community weighted mean trait (total effect)
GrowthFormliana
0.6
0.4
0.2
0.0
0
1
Ext.SB

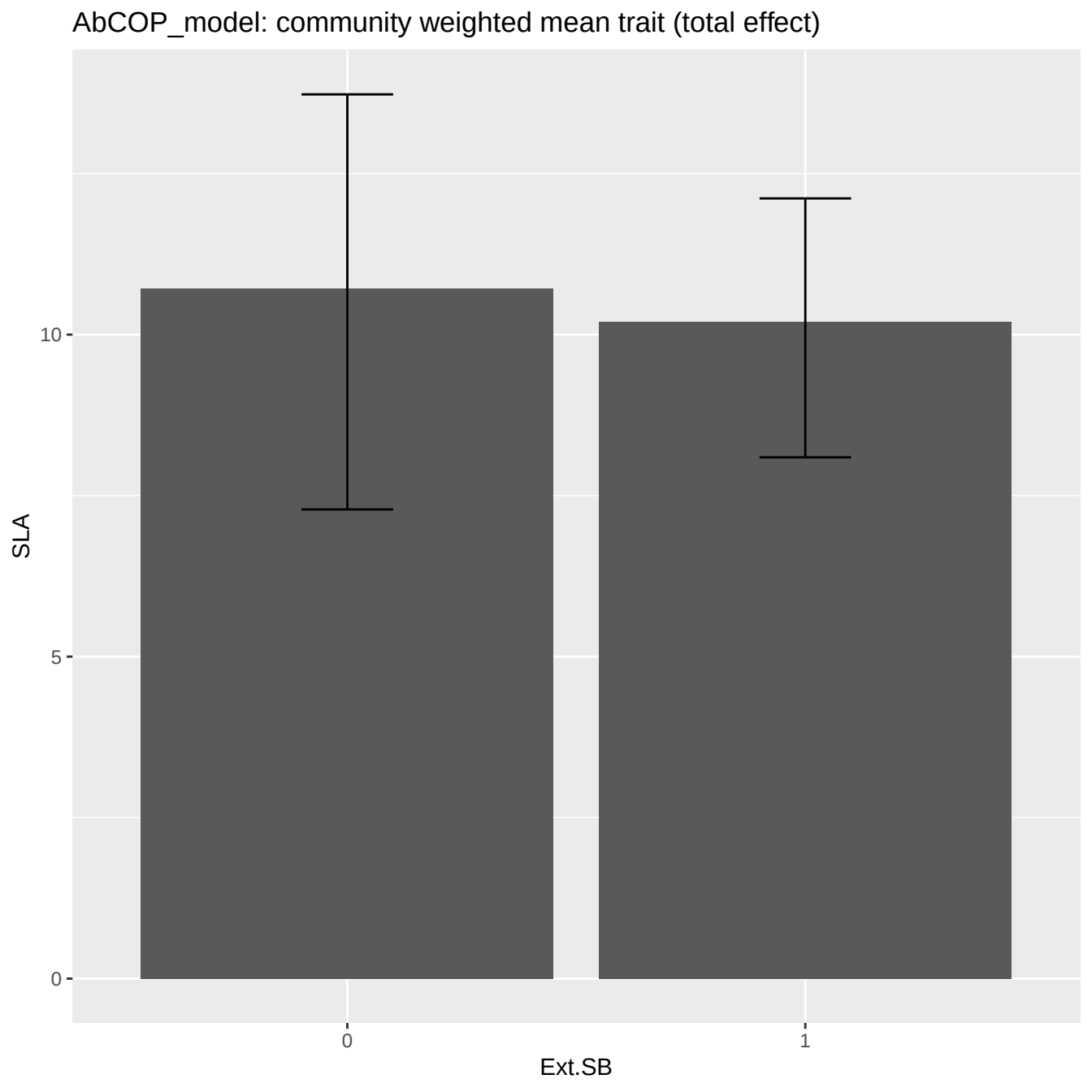

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormliana
0.6
0.4
0.2
0.0
0
1
Ext.SB

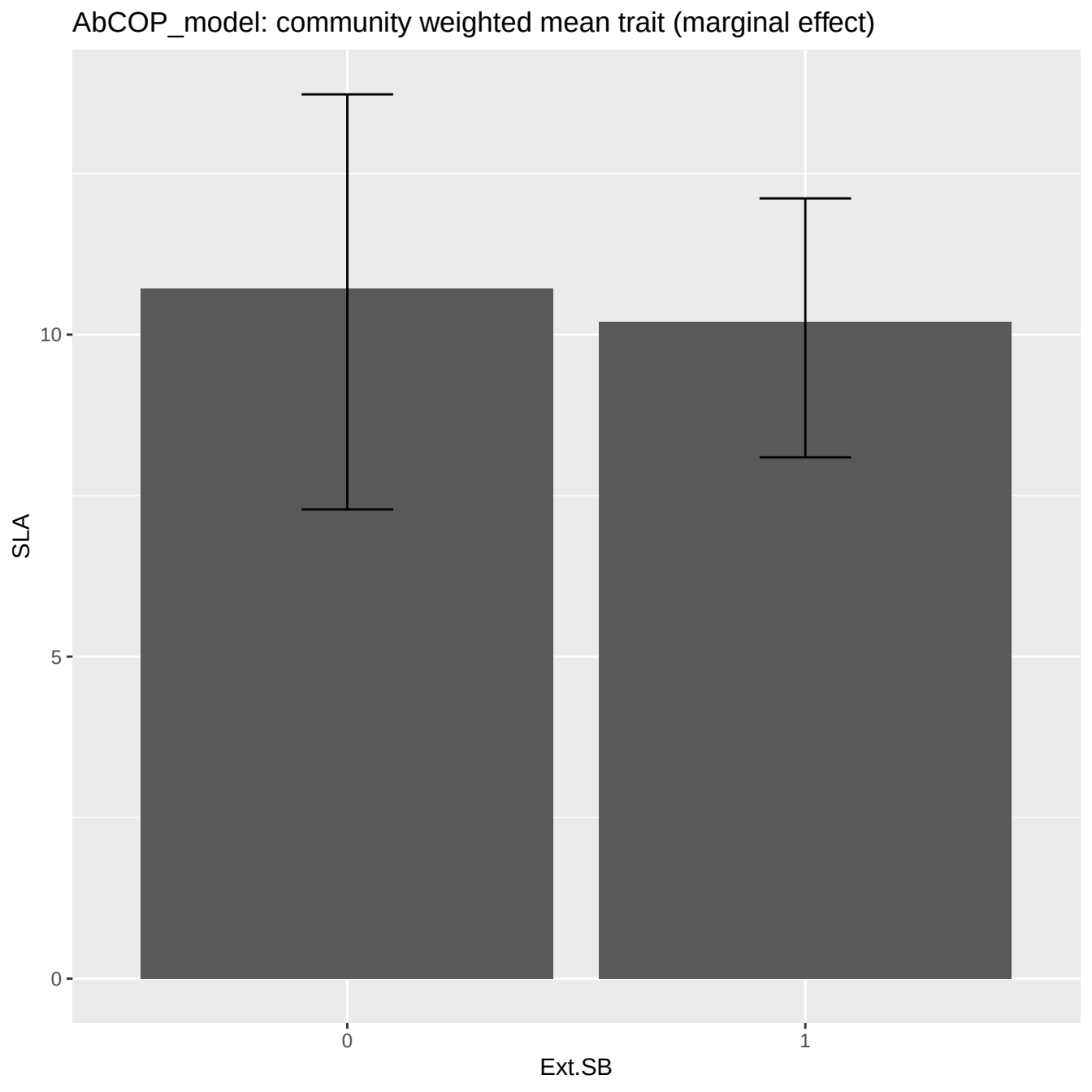

AbCOP_model: community weighted mean trait (total effect)
GrowthFormshrub
0.6
0.4
0.2
0.0
0
1
Ext.SB

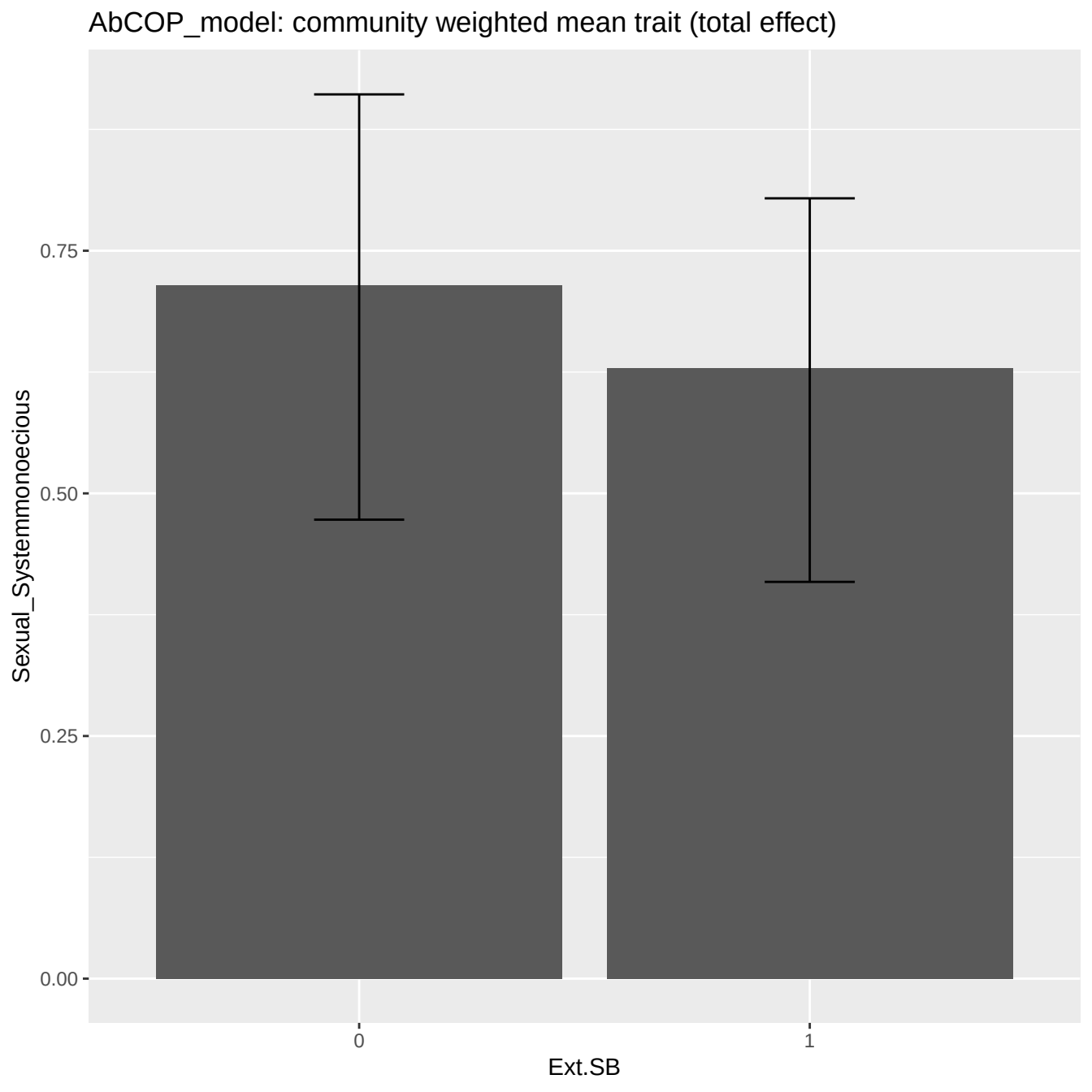

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormshrub
0.6
0.4
0.2
0.0
0
1
Ext.SB

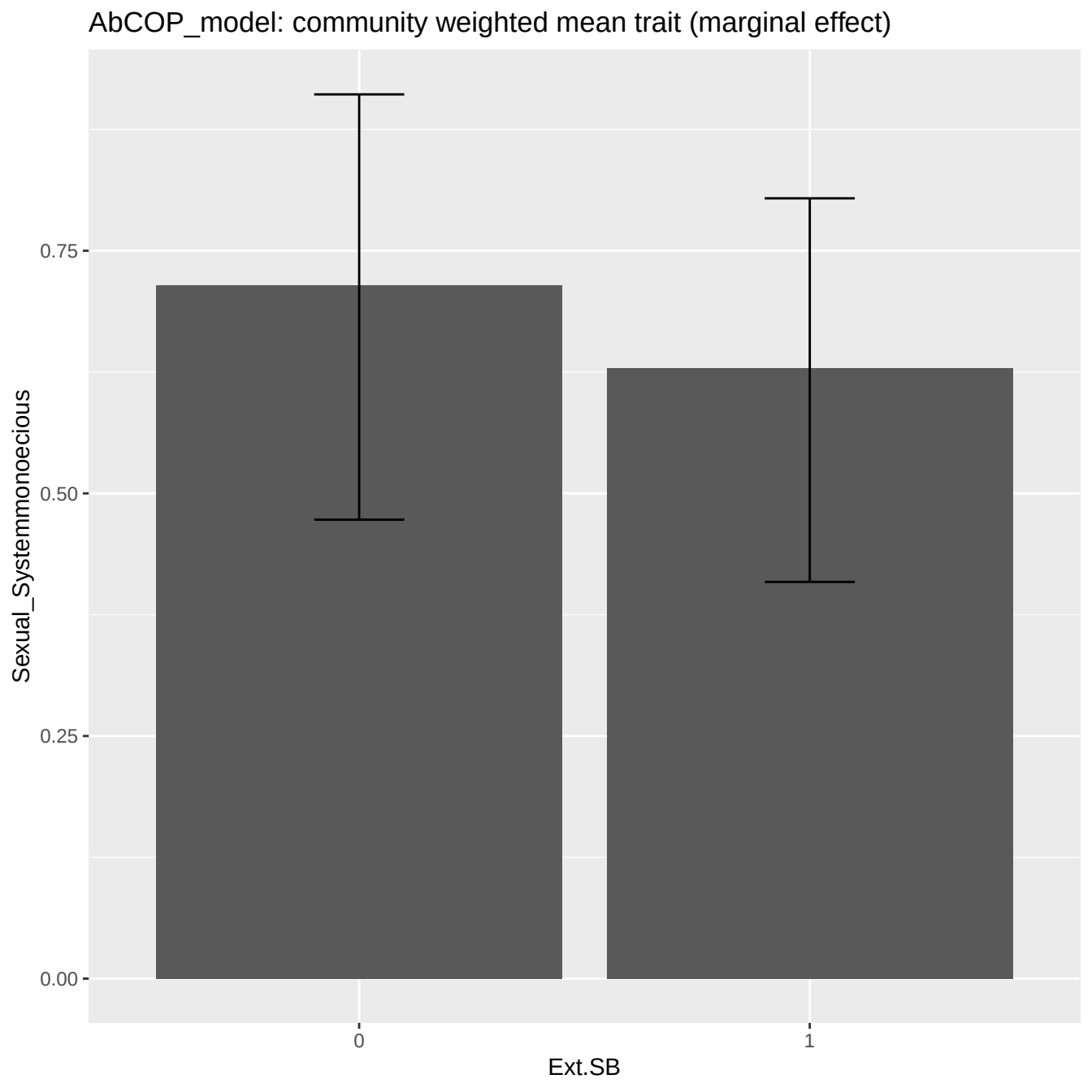

AbCOP_model: community weighted mean trait (total effect)
RootDepth
1.5
1.0
0.5
0.0
0
1
Ext.SB

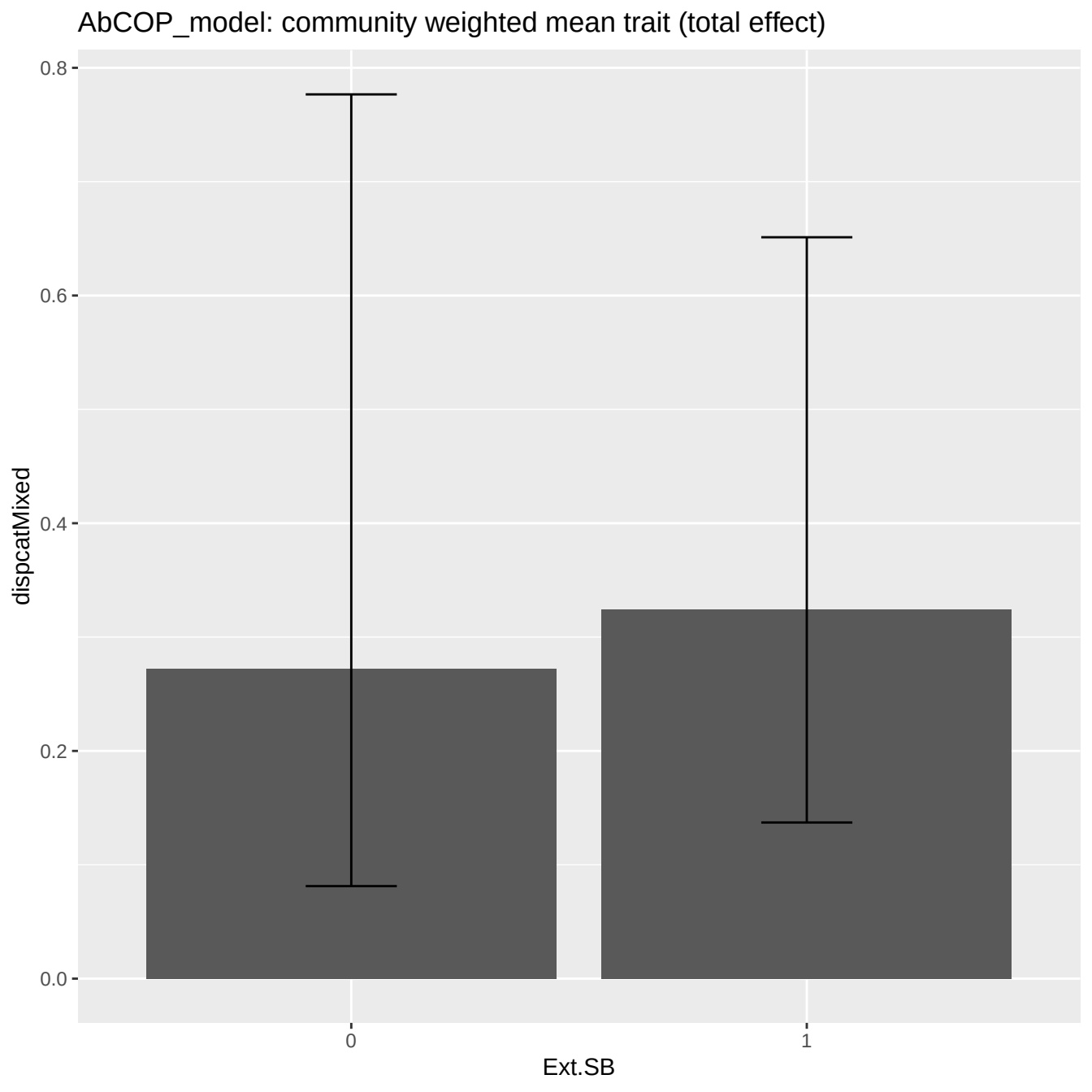

AbCOP_model: community weighted mean trait (marginal effect)
RootDepth
1.5
1.0
0.5
0.0
0
1
Ext.SB

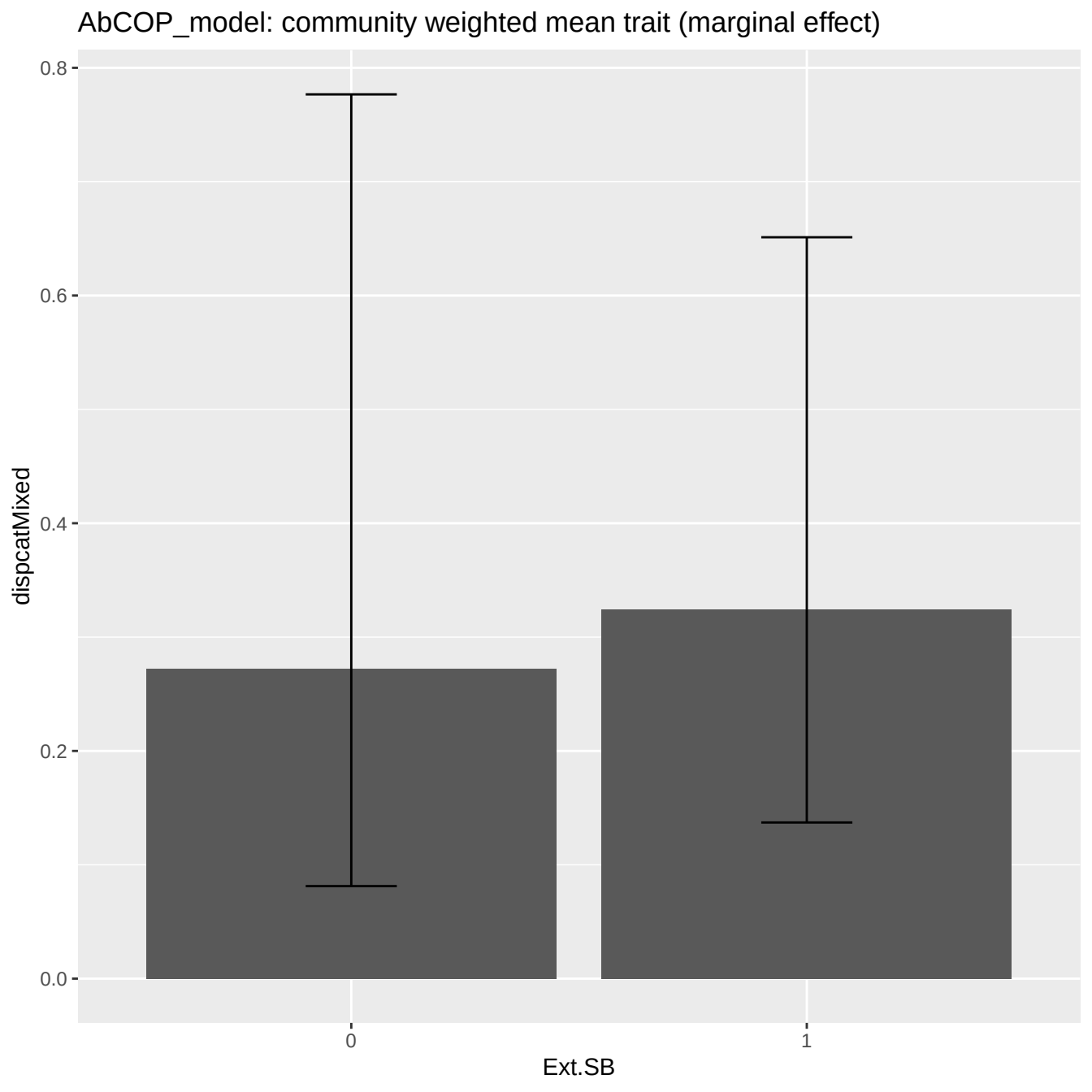

AbCOP_model: community weighted mean trait (total effect)
SLA
10
5
0
0
1
Ext.SB

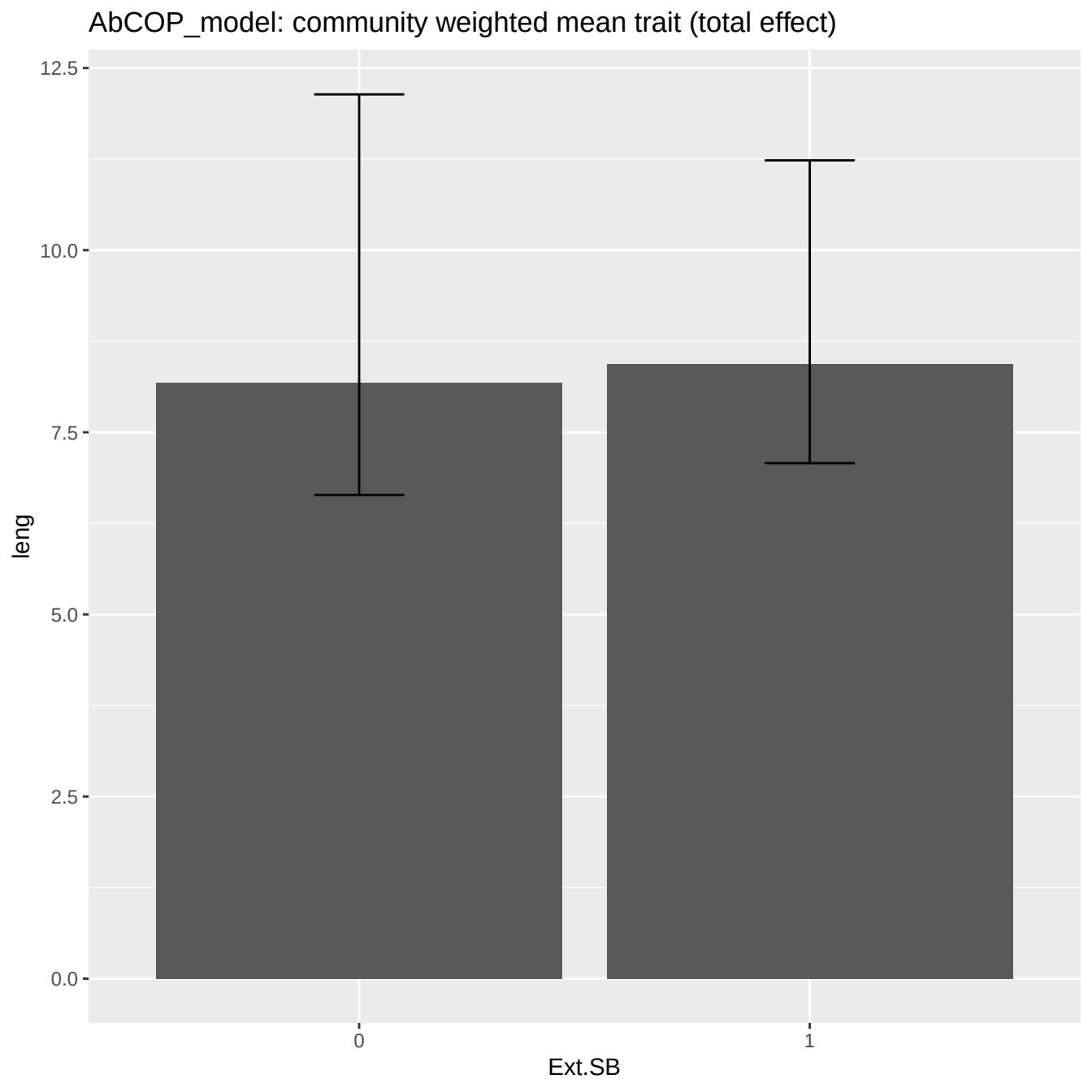

AbCOP_model: community weighted mean trait (marginal effect)
SLA
10
5
0
0
1
Ext.SB

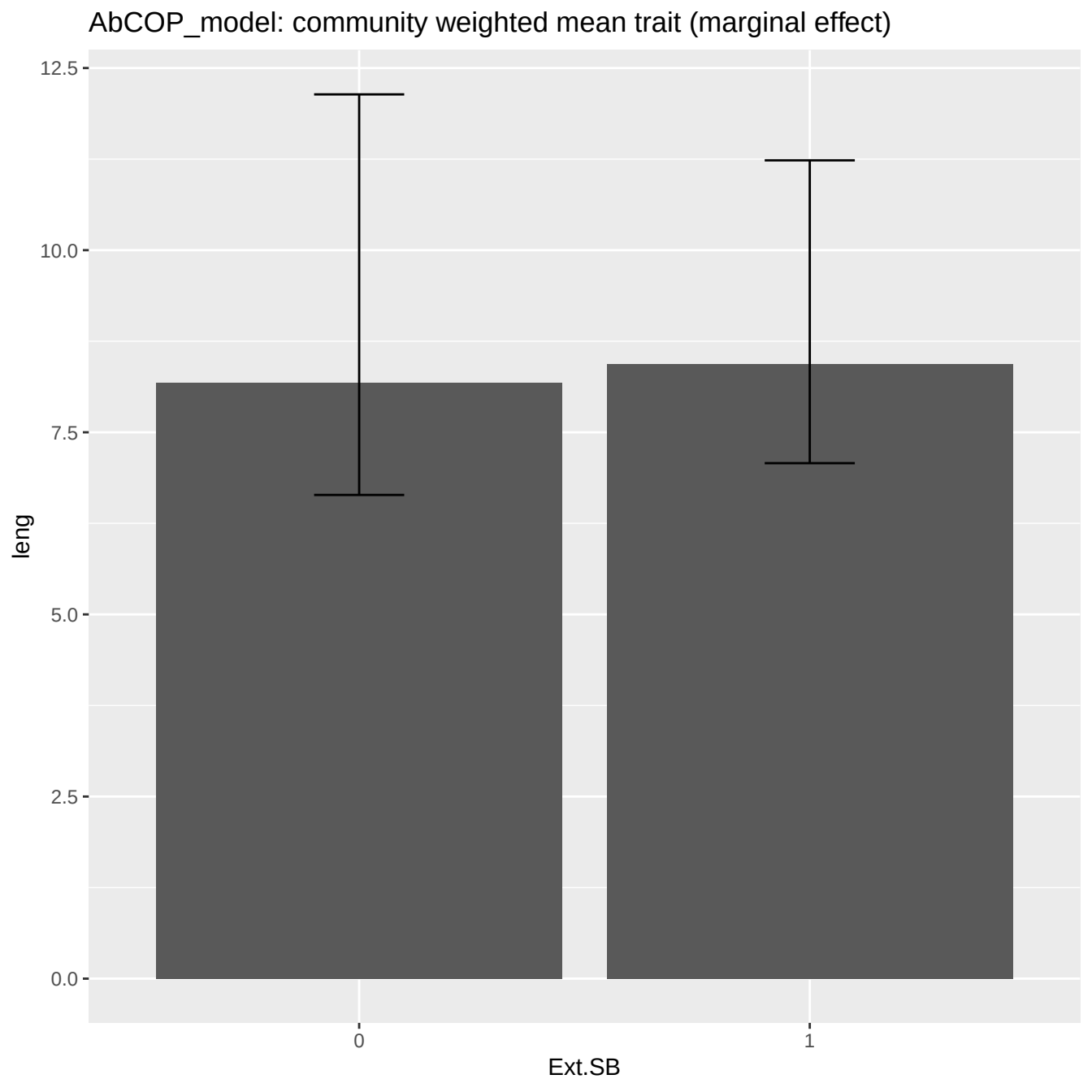

AbCOP_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
0.00
0.25
0.50
0.75
0
1
Ext.SB

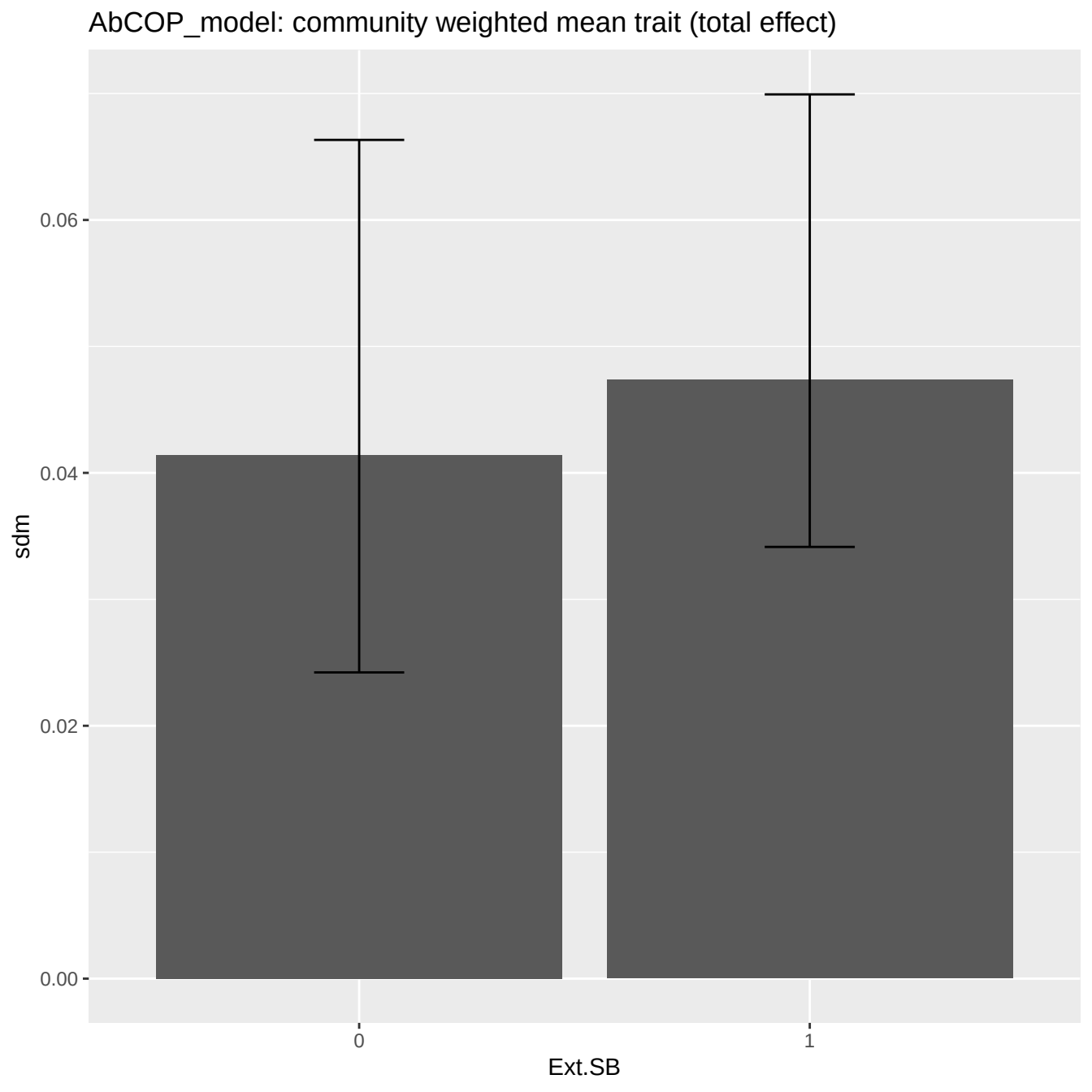

AbCOP_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
0.00
0.25
0.50
0.75
0
1
Ext.SB

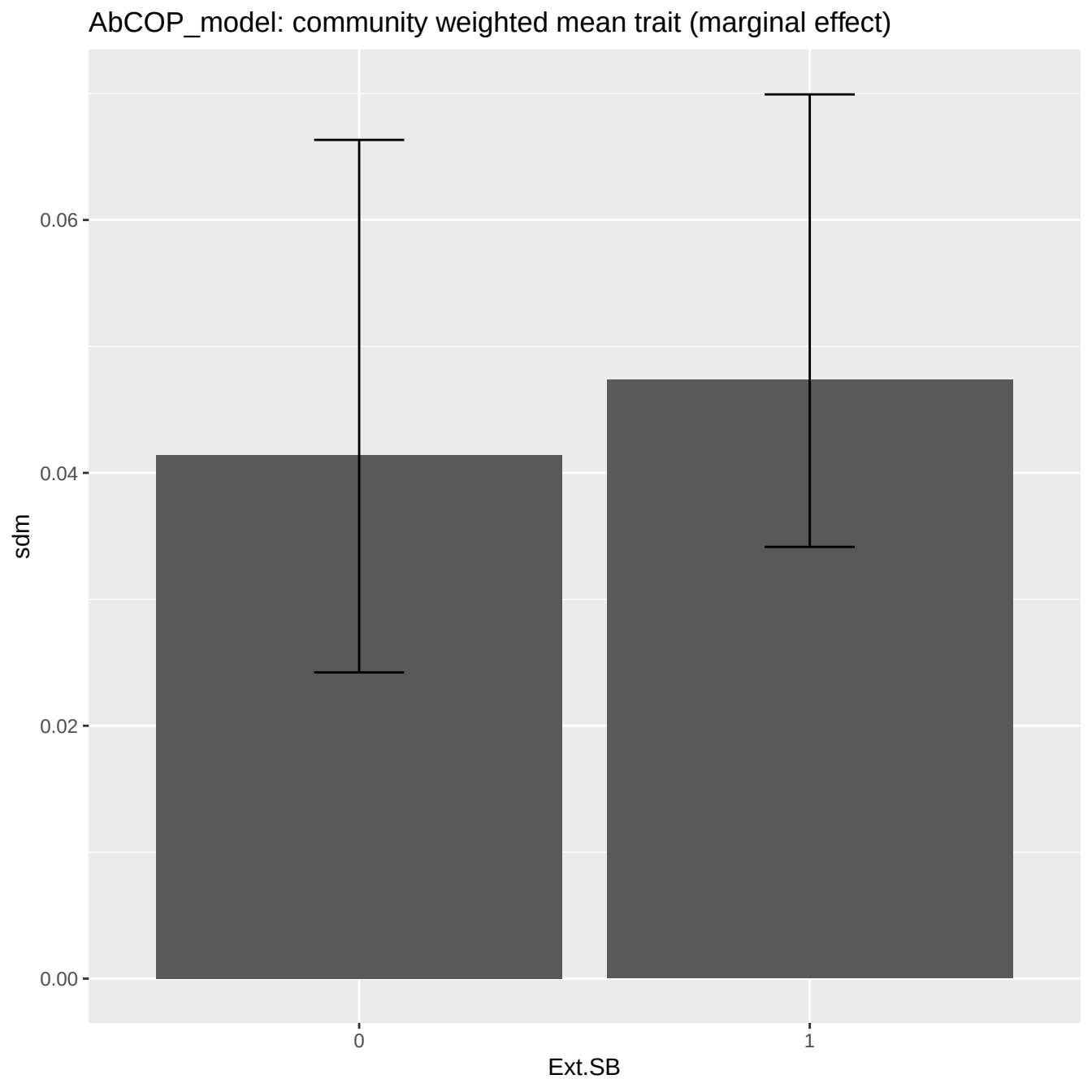

AbCOP_model: community weighted mean trait (total effect)
0.8
0.6
0.4
0.2
0.0
dispcatMixed
0
1
Ext.SB

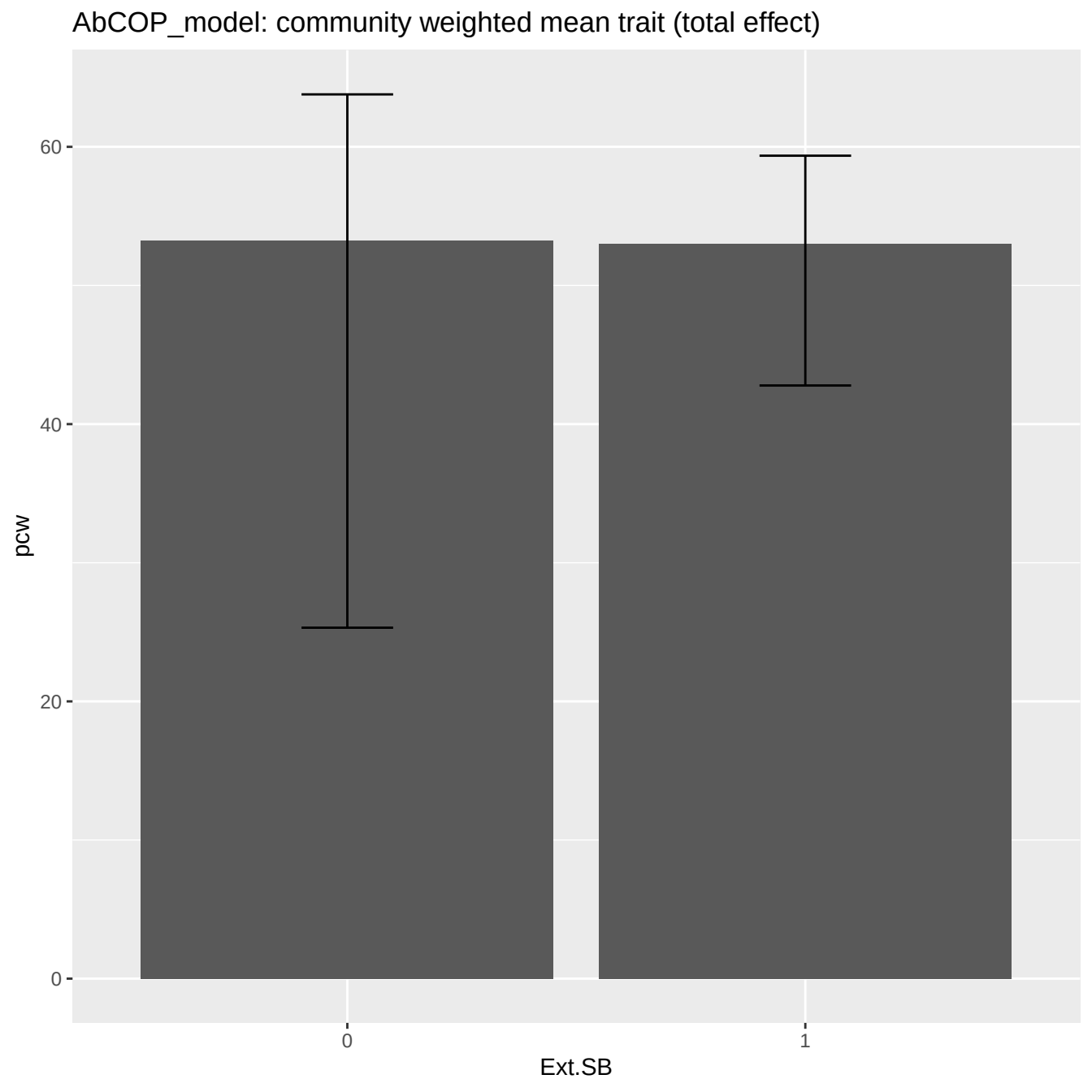

AbCOP_model: community weighted mean trait (marginal effect)
0.8
0.6
0.4
0.2
0.0
dispcatMixed
0
1
Ext.SB

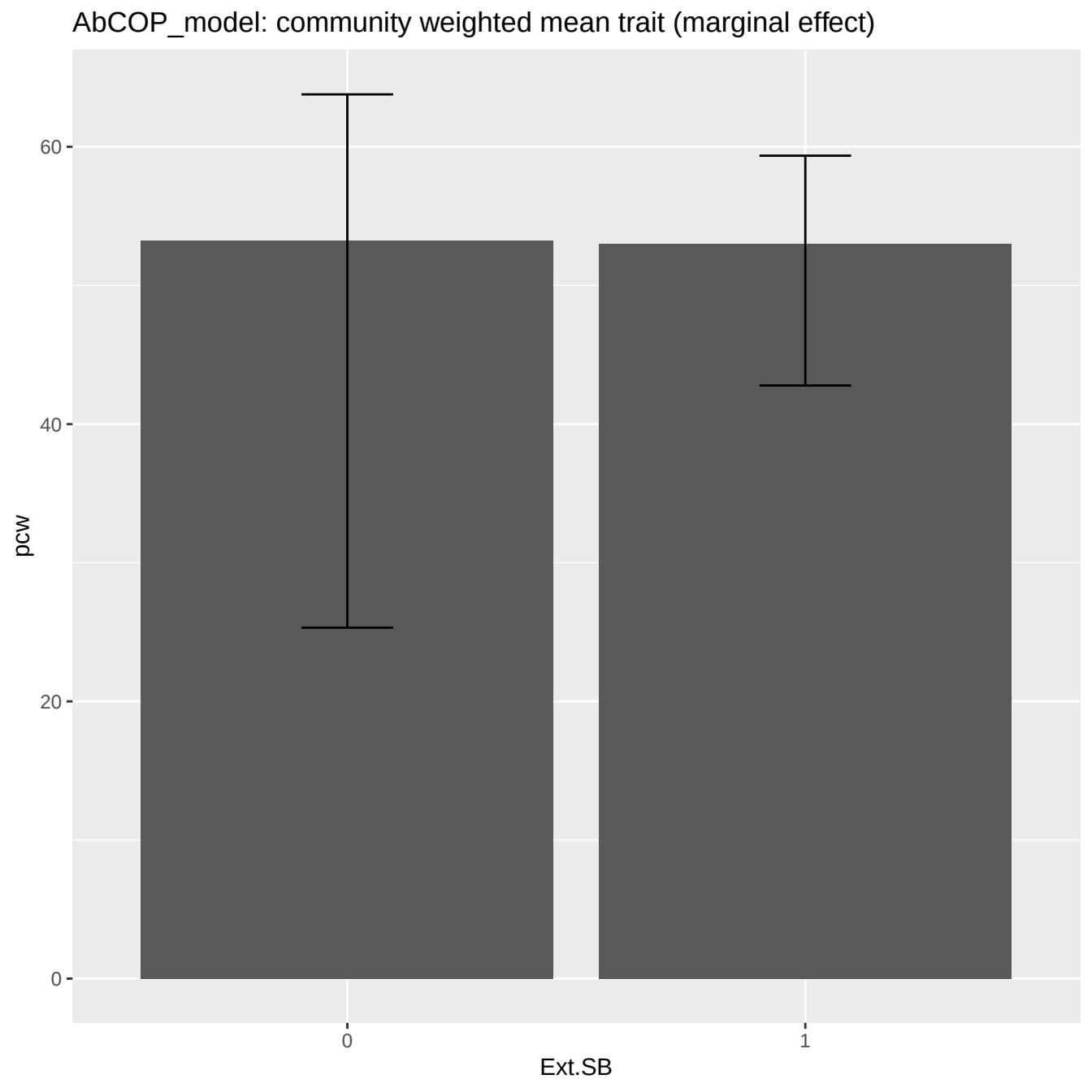

AbCOP_model: community weighted mean trait (total effect)
12.5
10.0
7.5
5.0
2.5
0.0
leng
0
1
Ext.SB

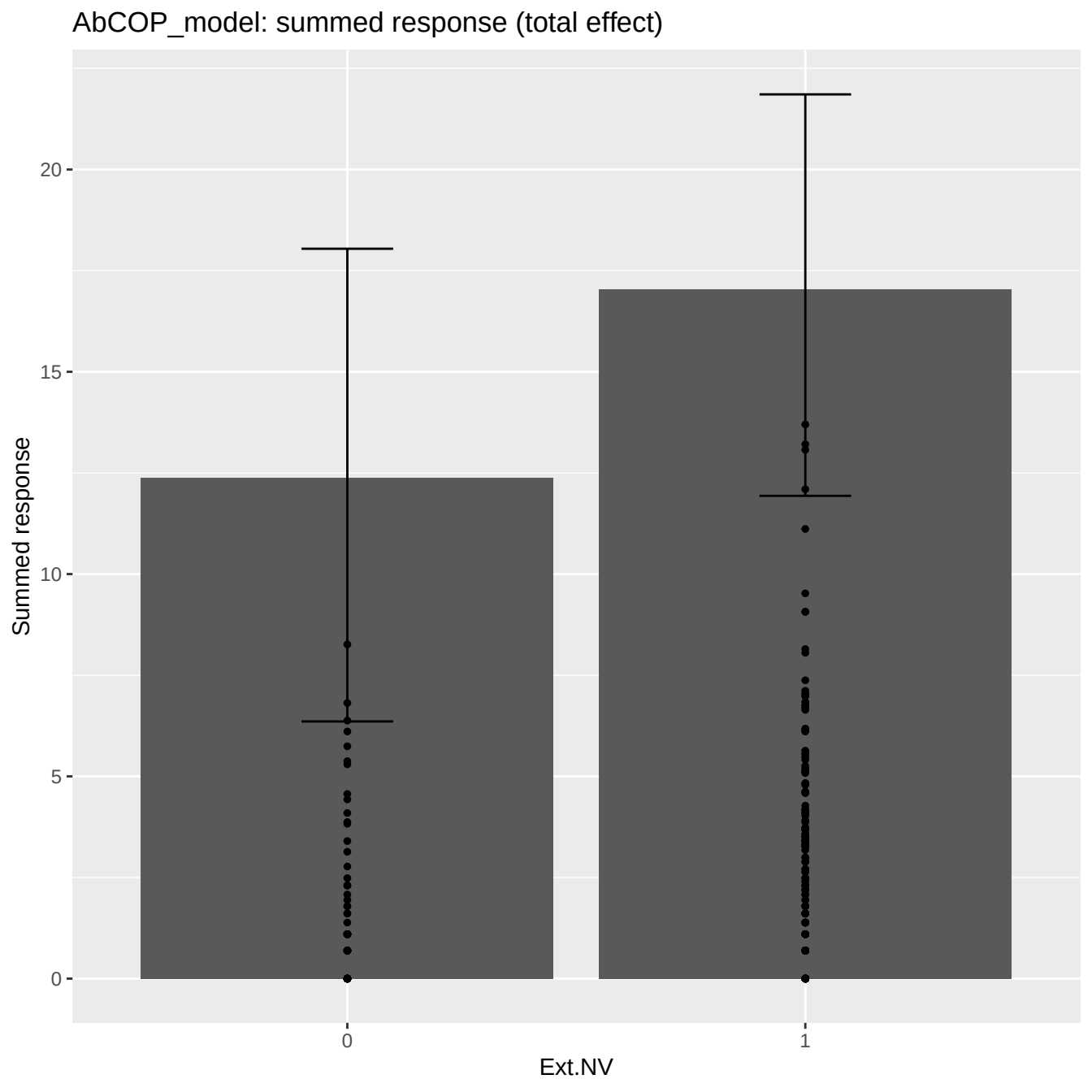

AbCOP_model: community weighted mean trait (marginal effect)
12.5
10.0
7.5
5.0
2.5
0.0
leng
0
1
Ext.SB

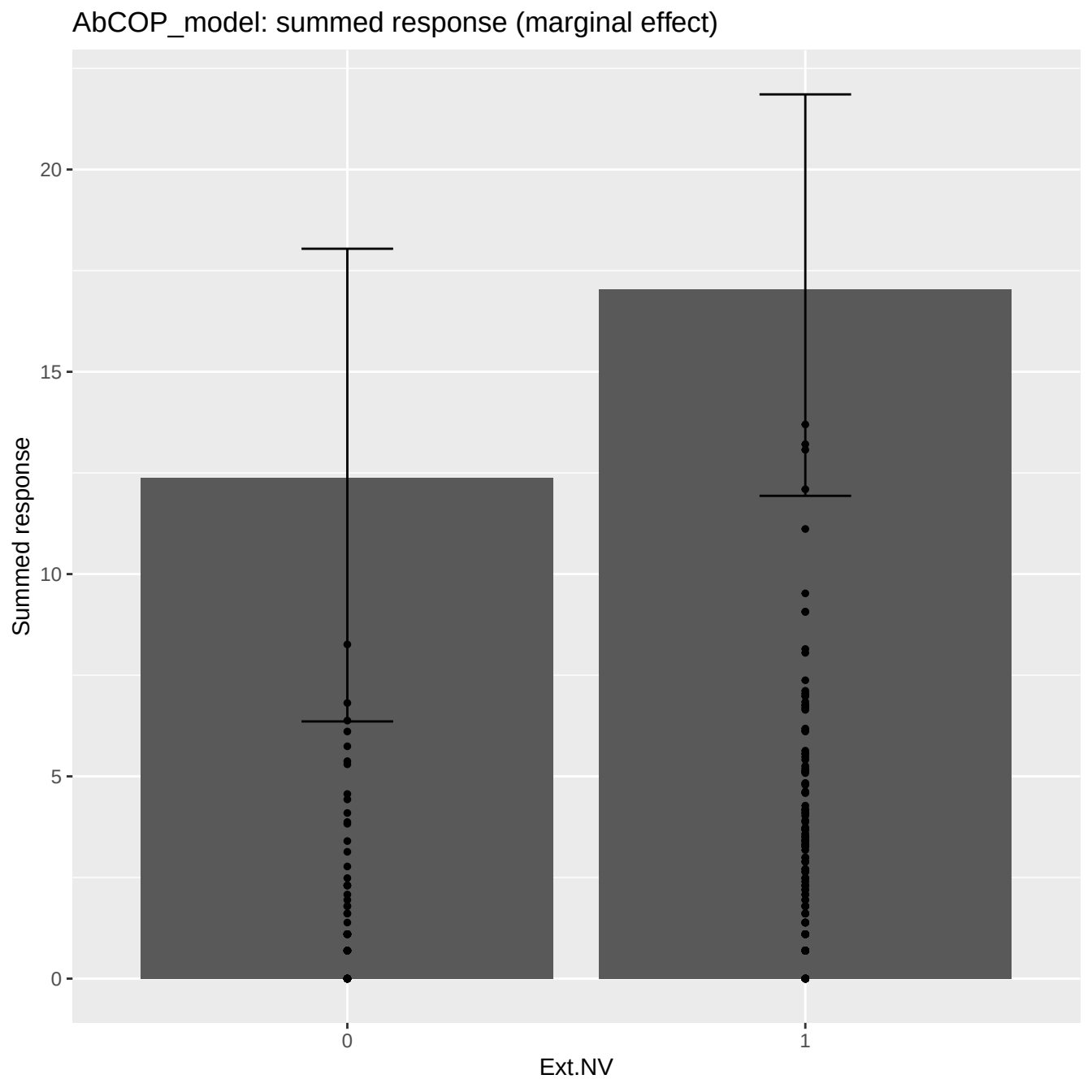

AbCOP_model: community weighted mean trait (total effect)
sdm
0.06
0.04
0.02
0.00
0
1
Ext.SB

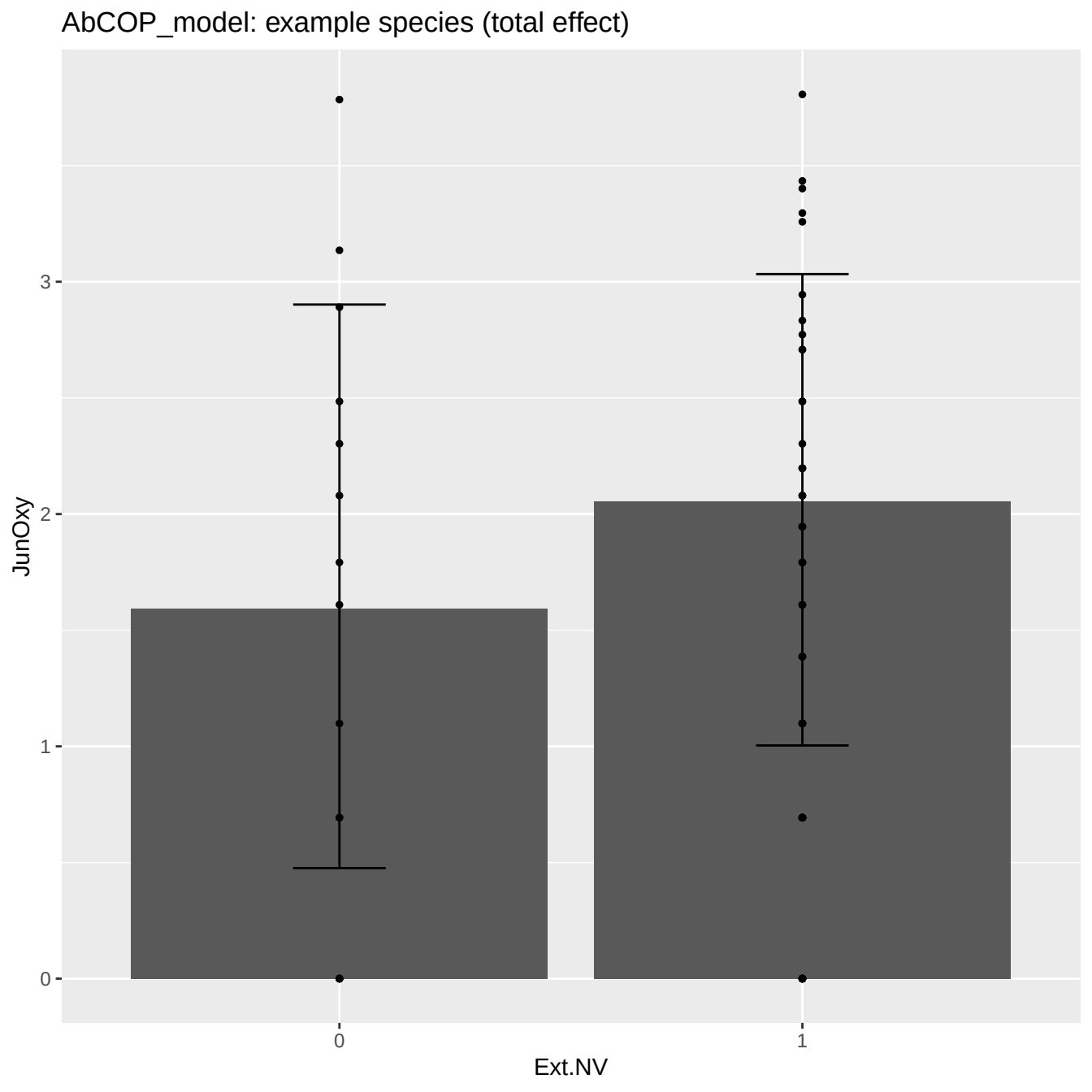

AbCOP_model: community weighted mean trait (marginal effect)
0.06
0.04
0.02
0.00
sdm
0
1
Ext.SB

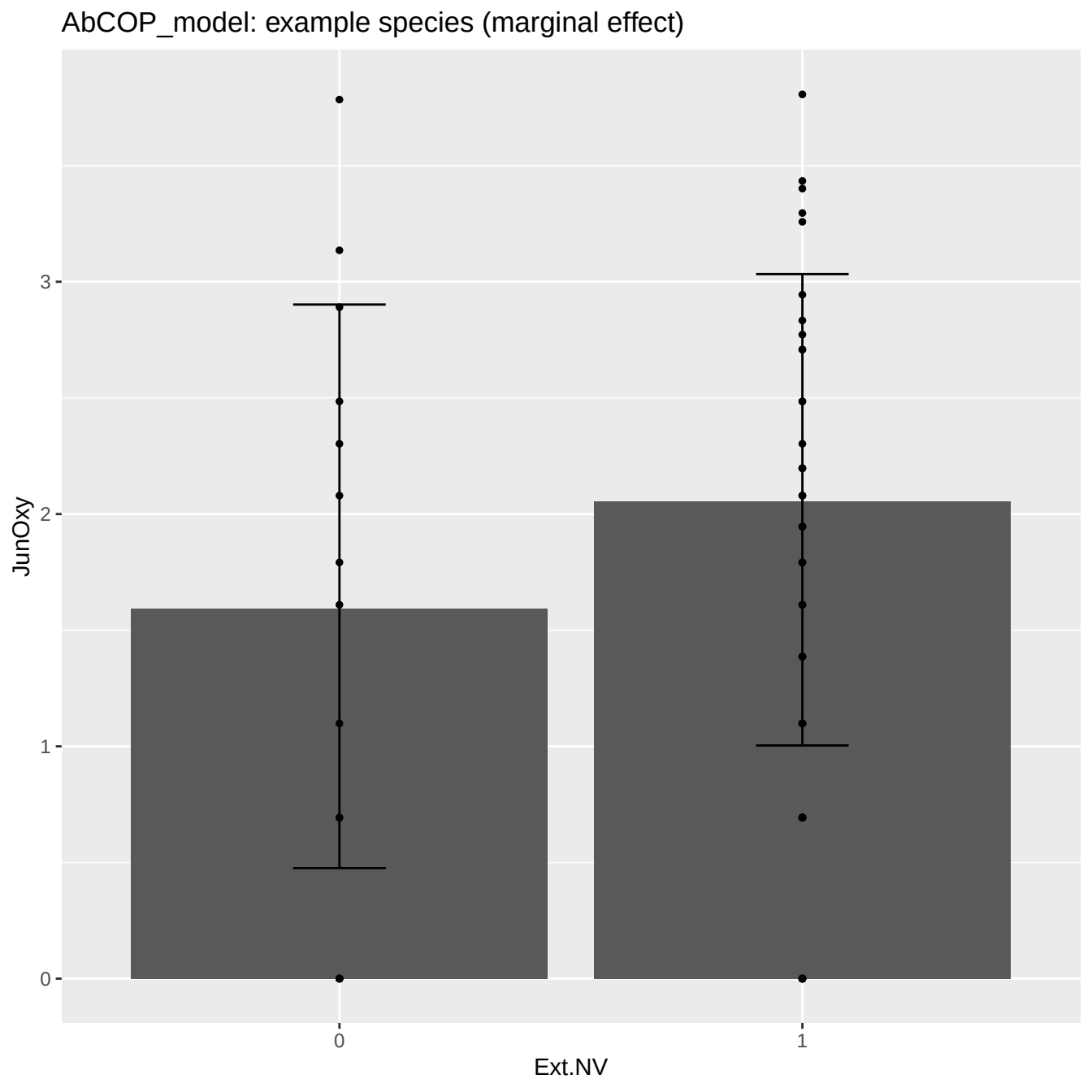

AbCOP_model: community weighted mean trait (total effect)
60
40
20
0
pcw
0
1
Ext.SB

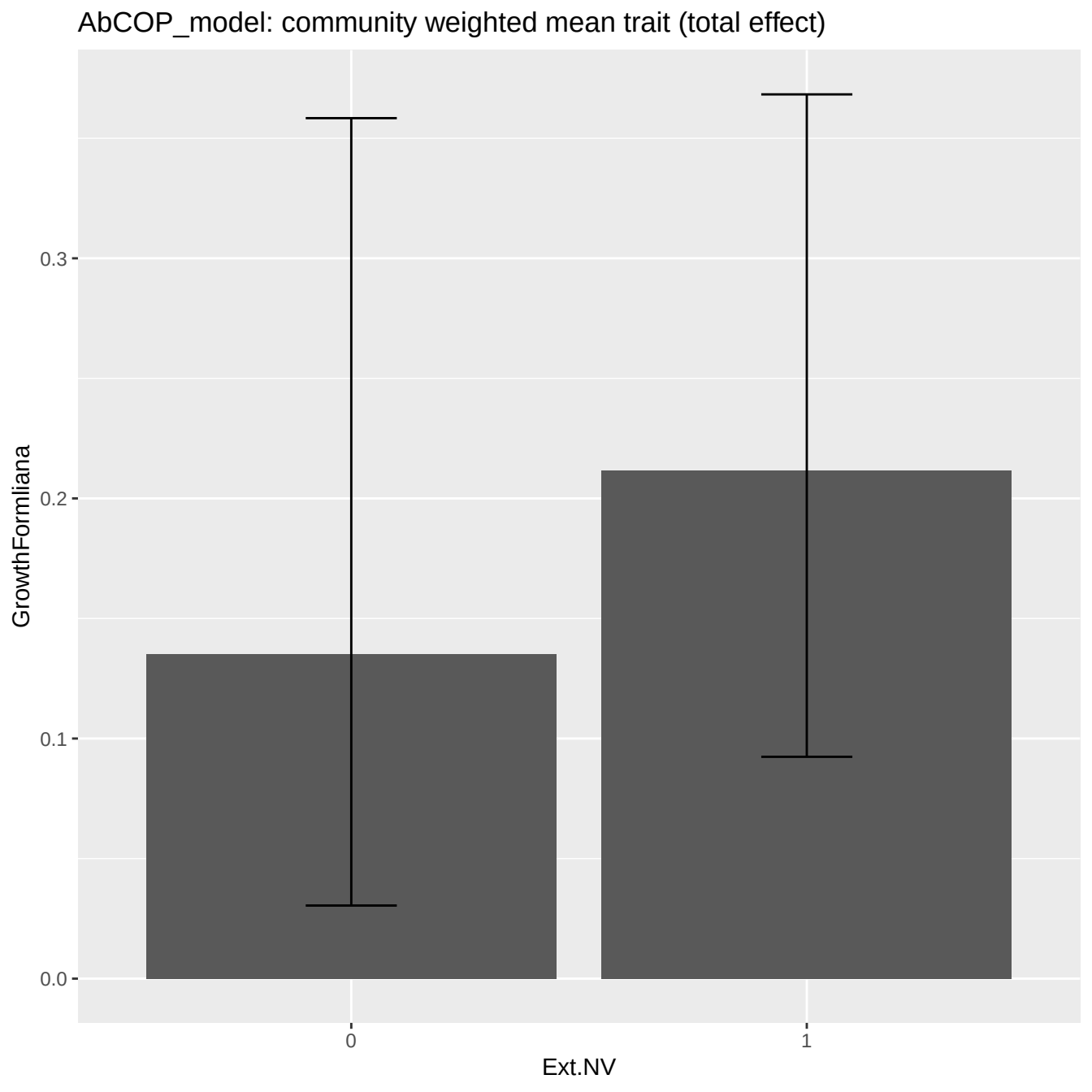

AbCOP_model: community weighted mean trait (marginal effect)
60
40
20
0
pcw
0
1
Ext.SB

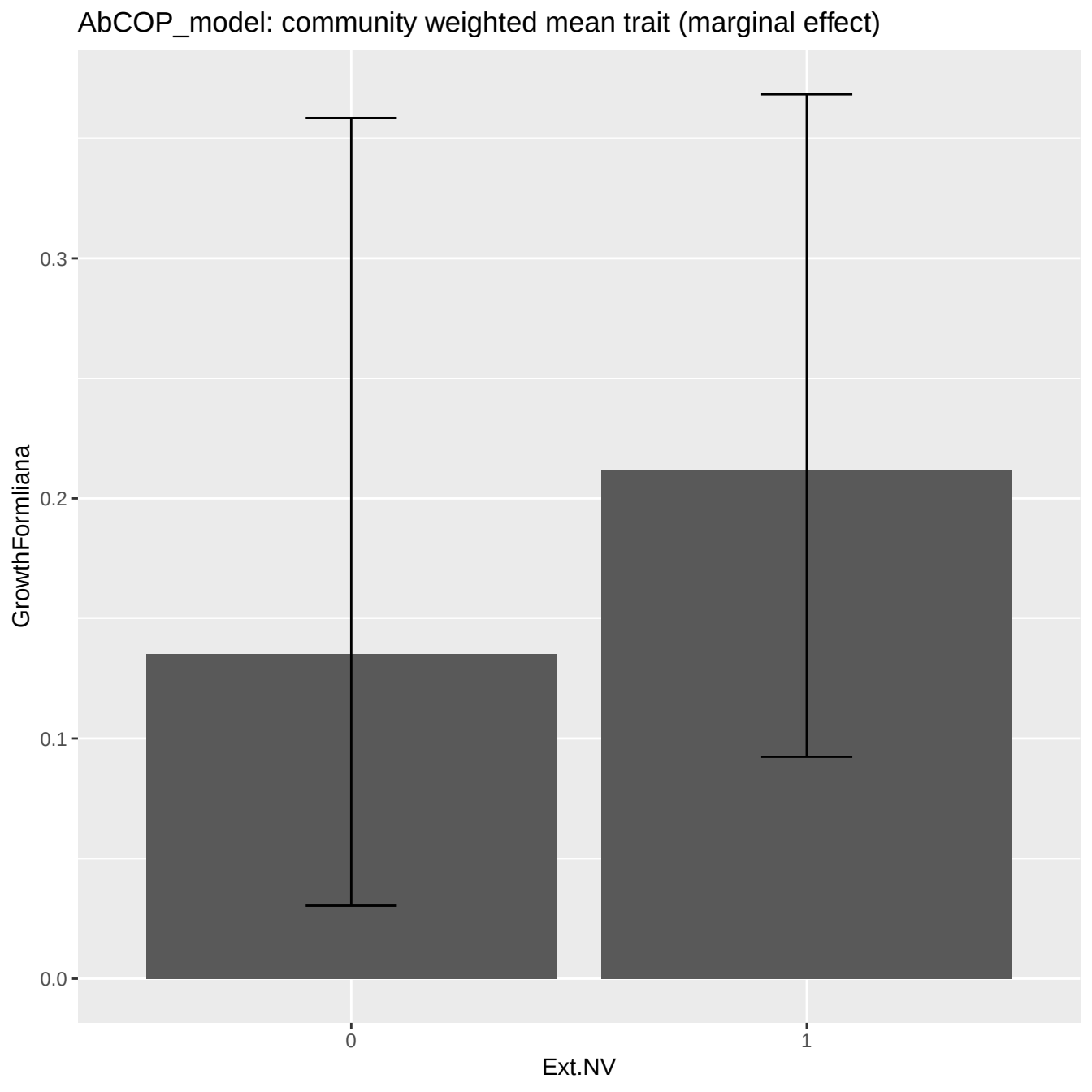

AbCOP_model: summed response (total effect)
Summed response
20
15
10
5
0
0
1
Ext.NV

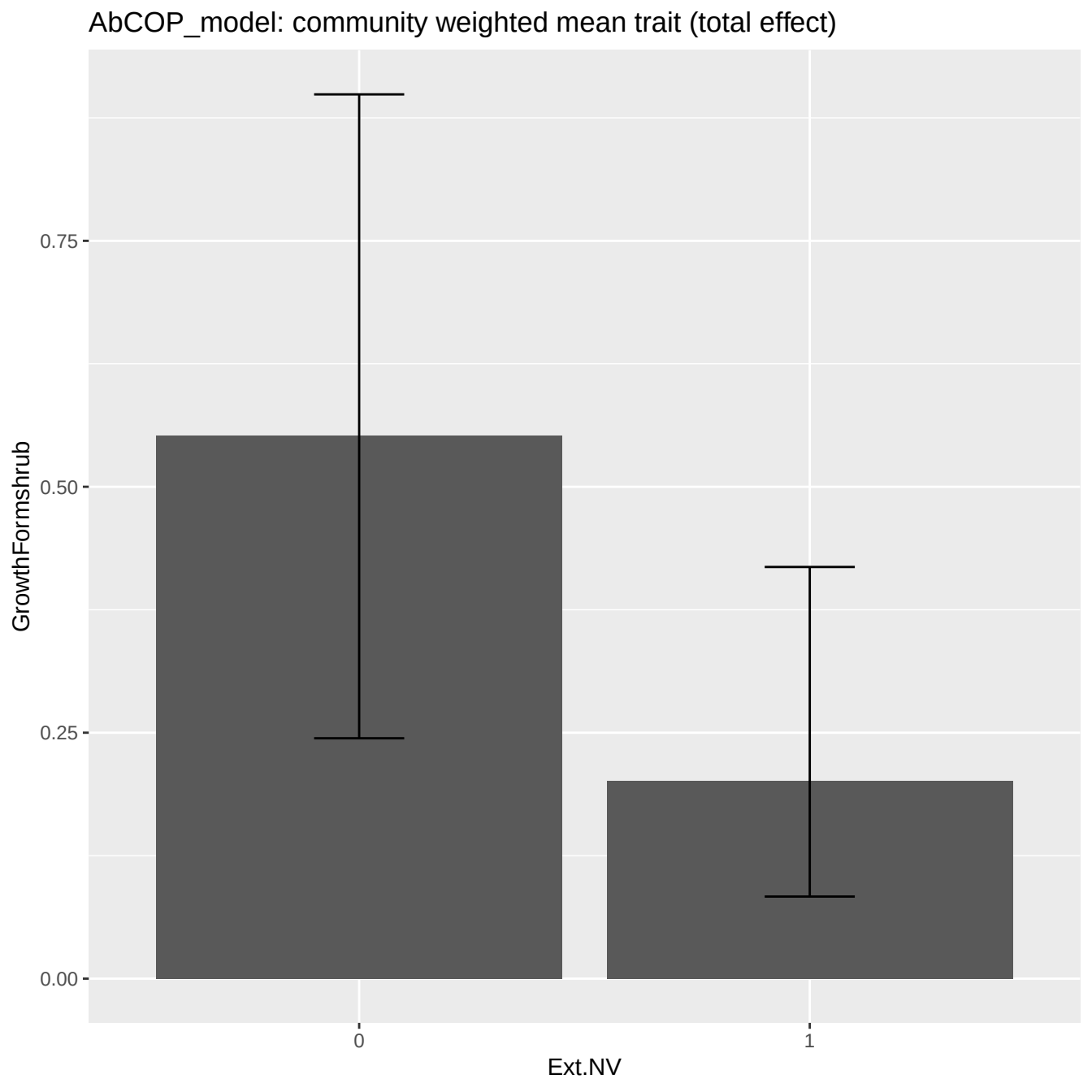

AbCOP_model: summed response (marginal effect)
Summed response
20
15
10
5
0
0
1
Ext.NV

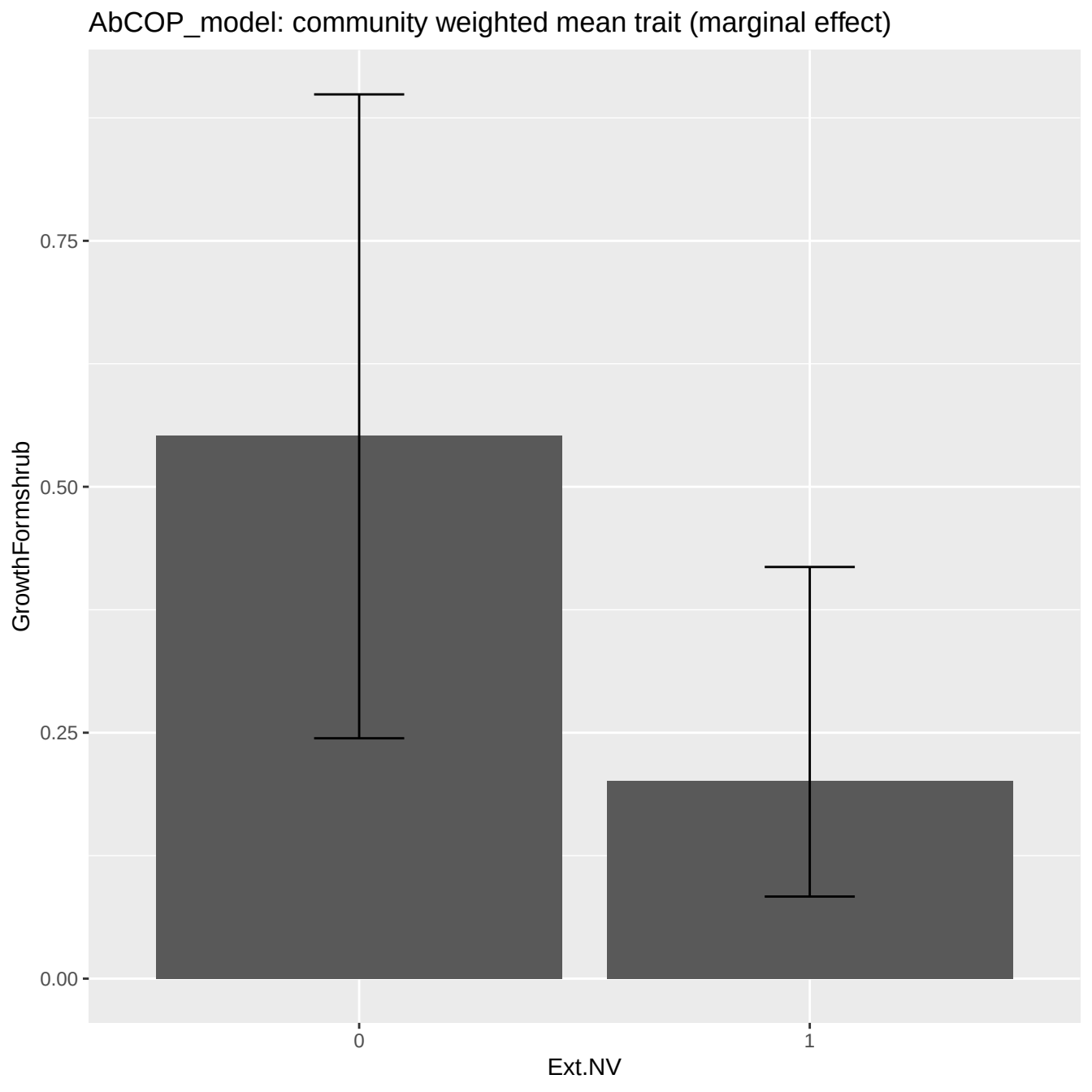

AbCOP_model: example species (total effect)
JunOxy
3
2
1
0
0
1
Ext.NV

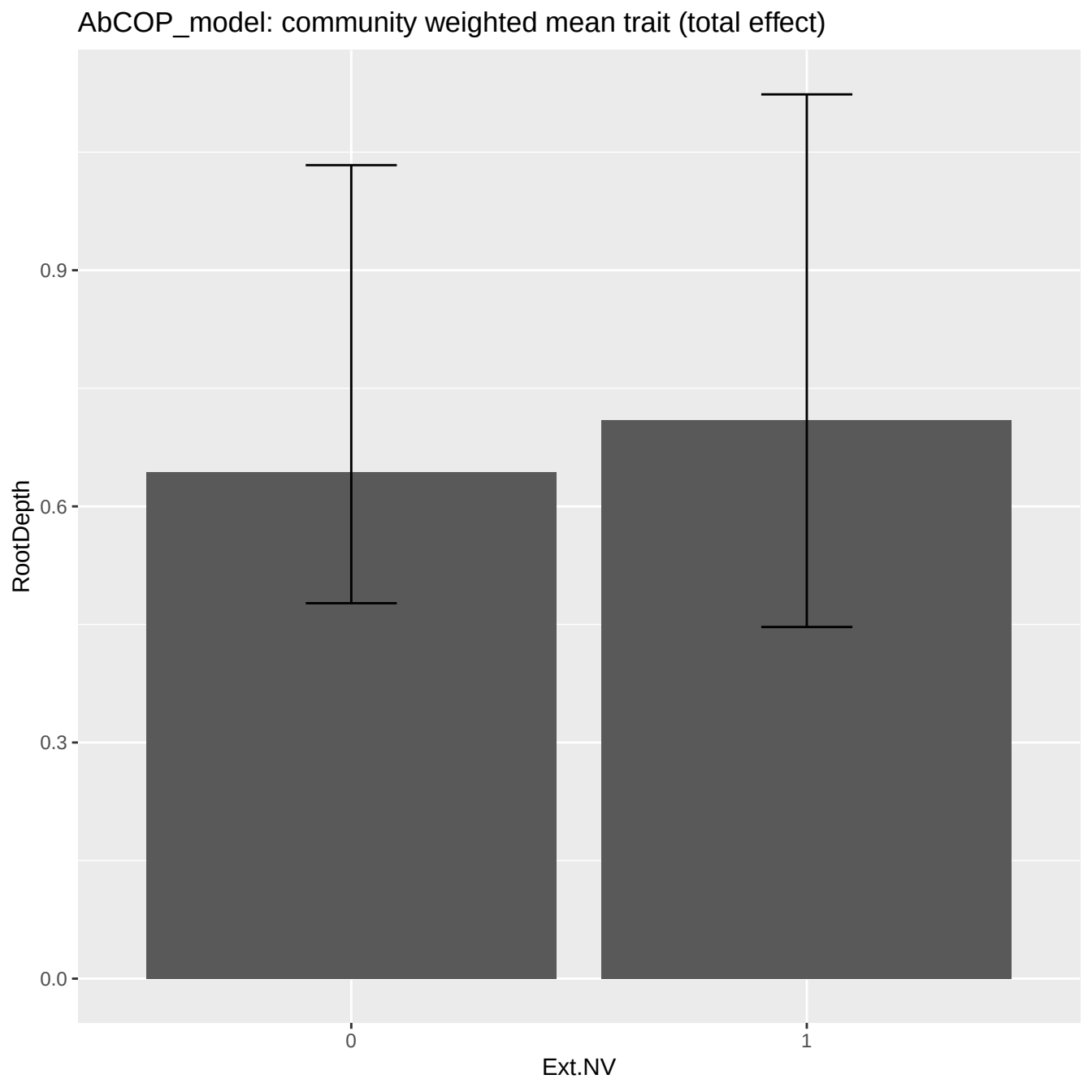

AbCOP_model: example species (marginal effect)
JunOxy
3
2
1
0
0
1
Ext.NV

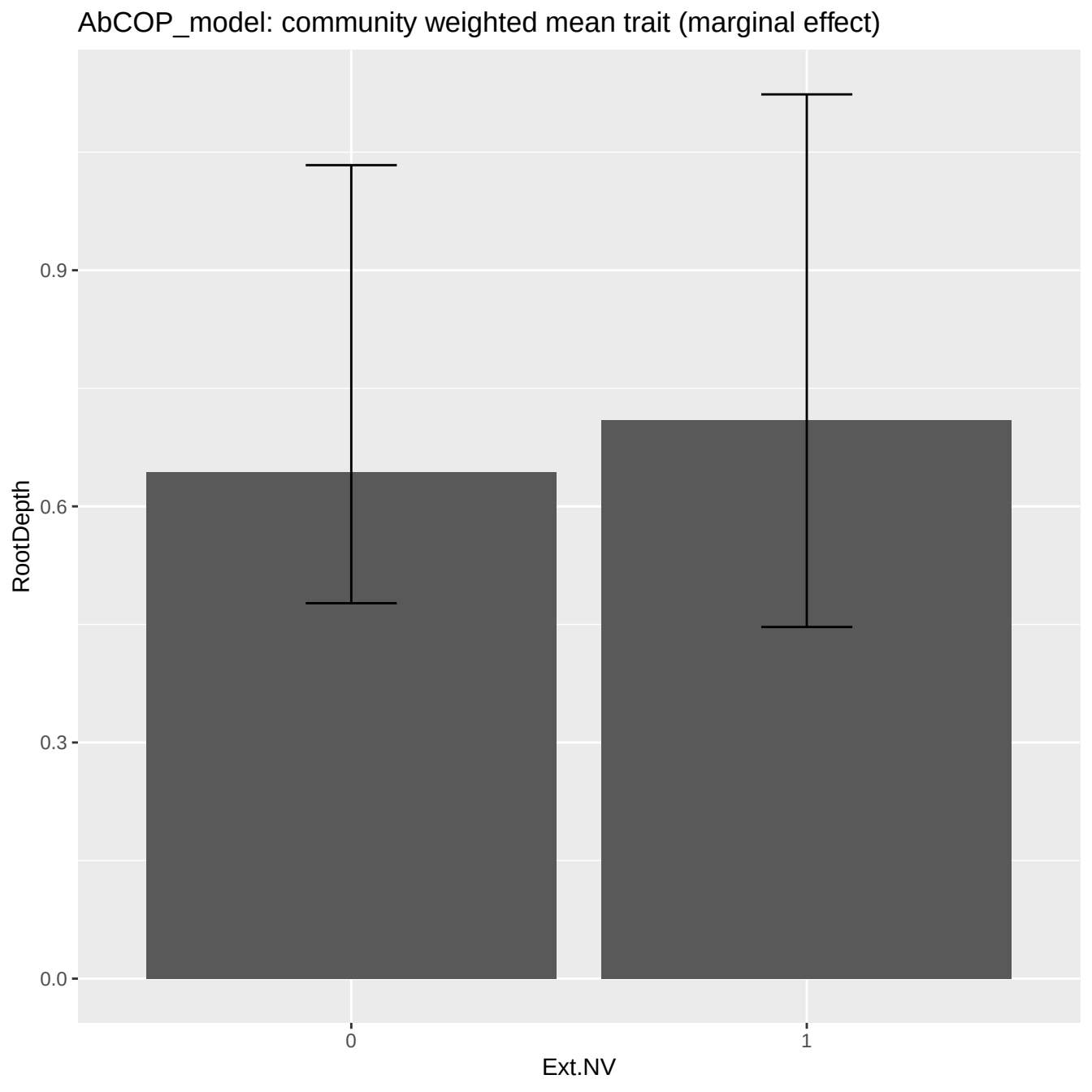

AbCOP_model: community weighted mean trait (total effect)
GrowthFormliana
0.0
0.1
0.2
0.3
0
1
Ext.NV

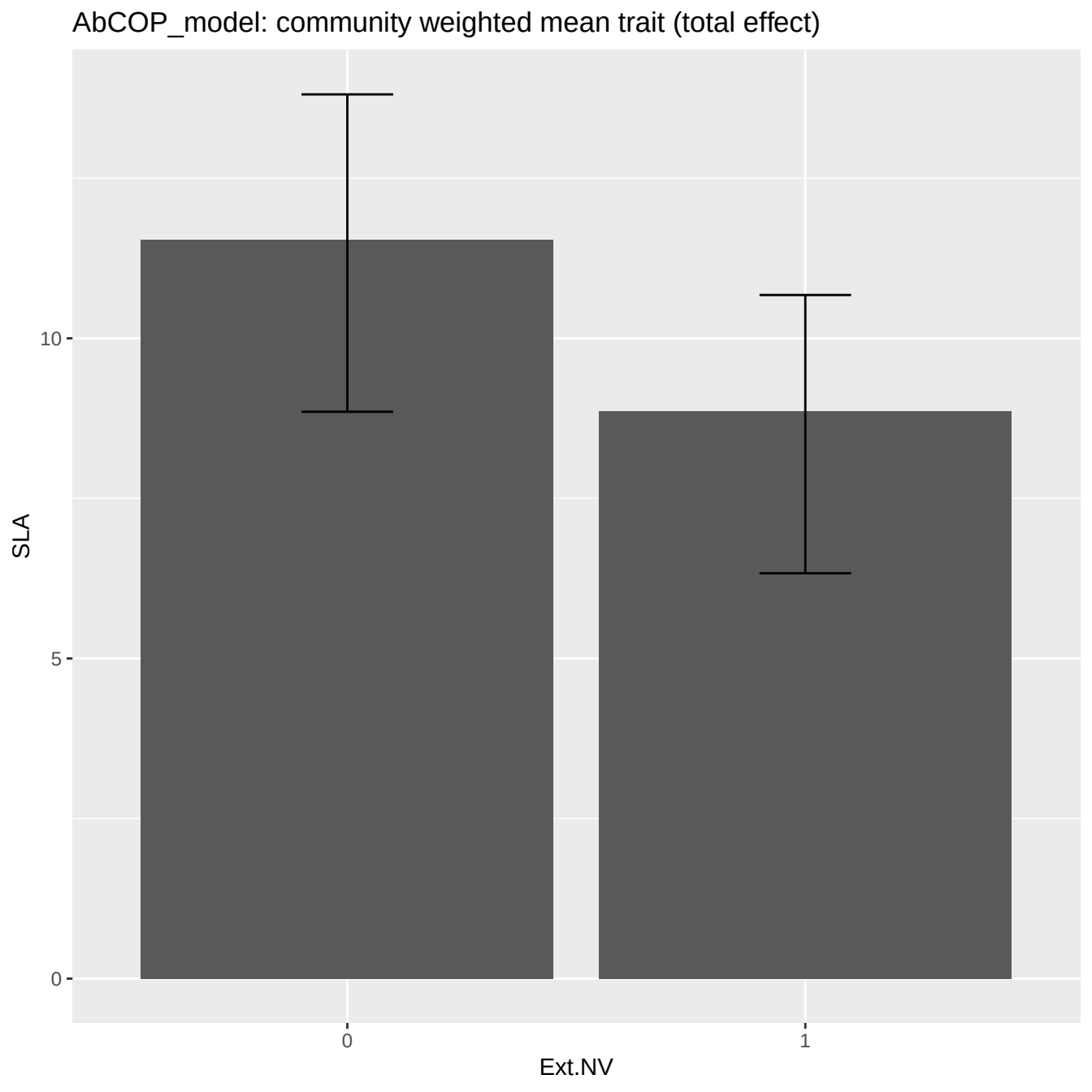

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormliana
0.0
0.1
0.2
0.3
0
1
Ext.NV

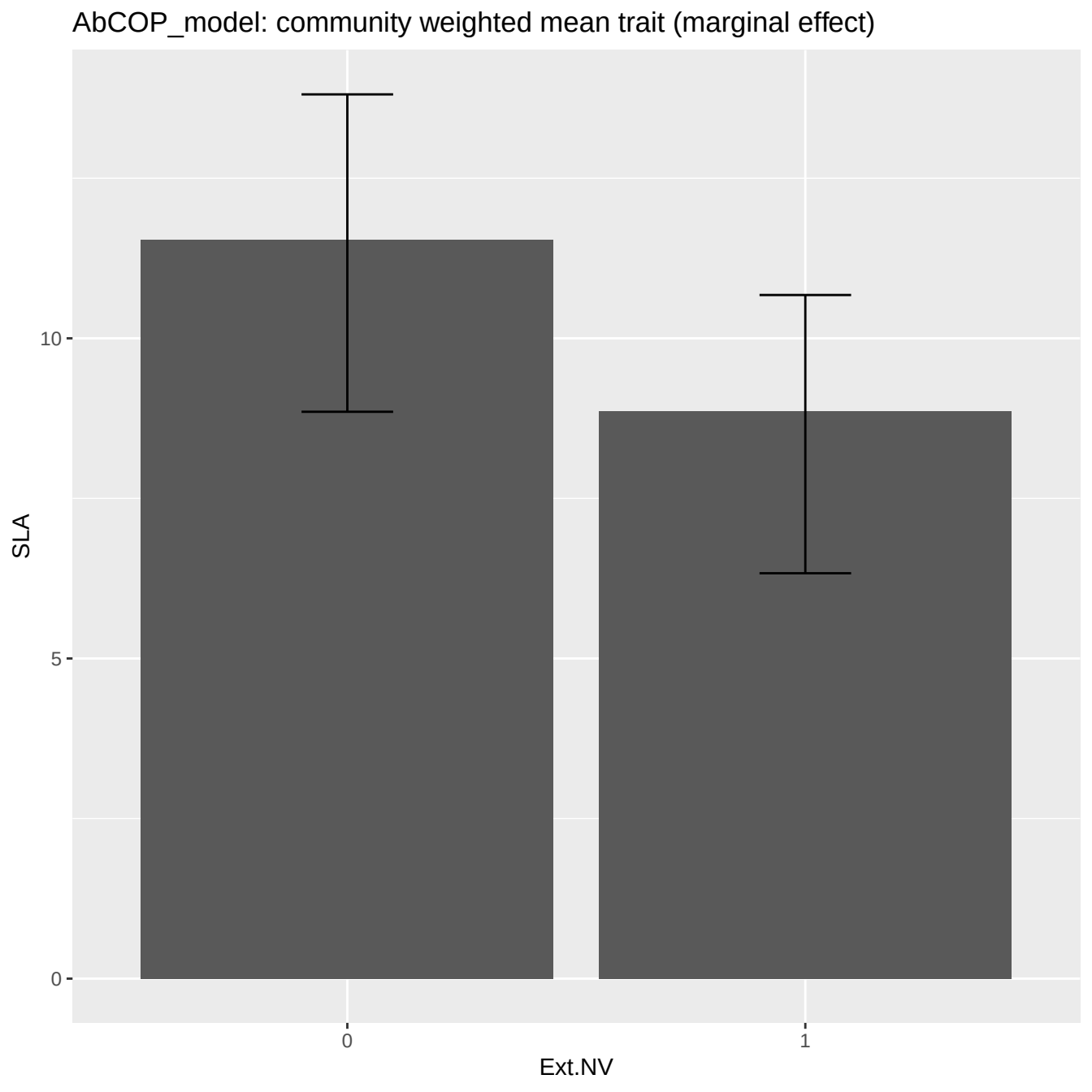

AbCOP_model: community weighted mean trait (total effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
0
1
Ext.NV

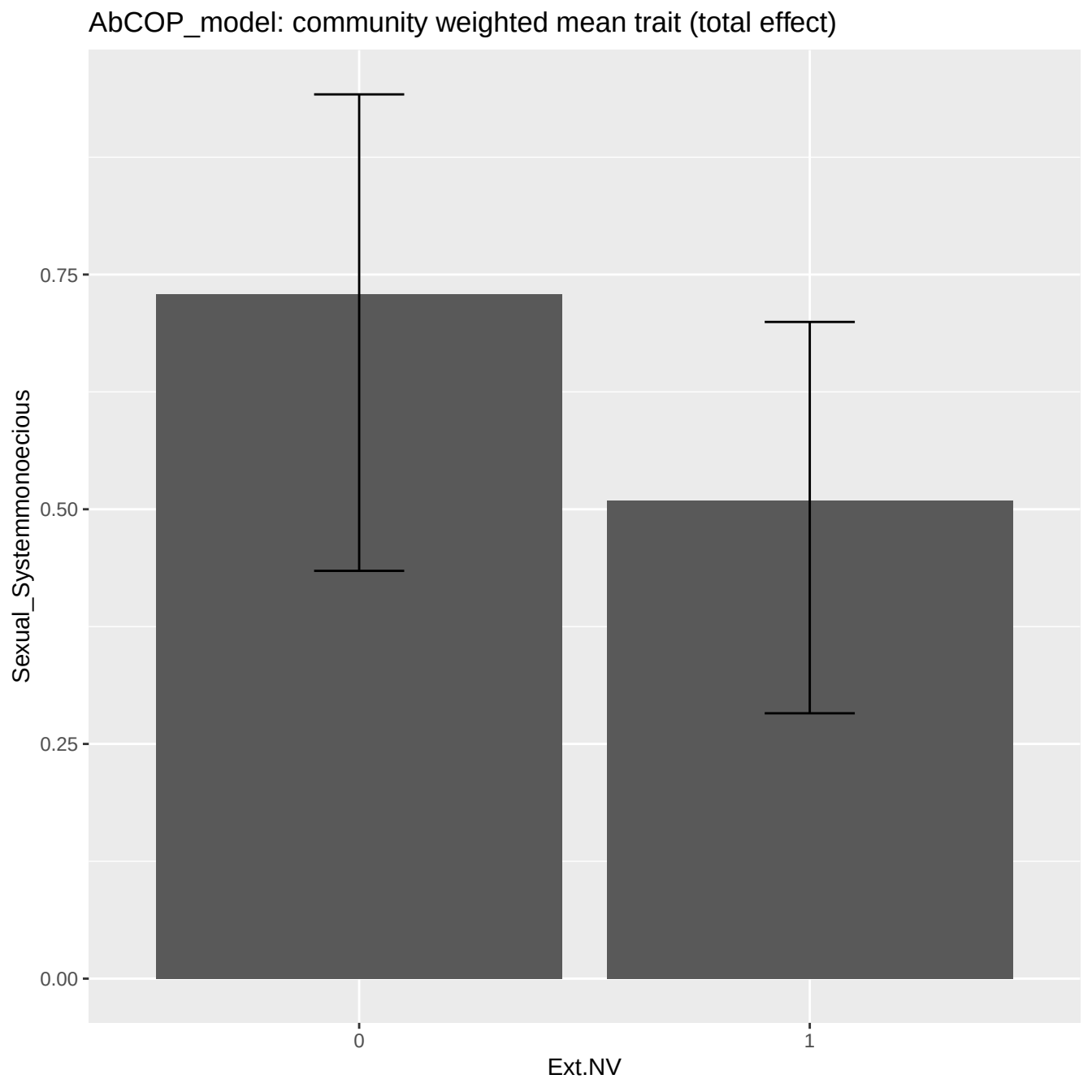

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
0
1
Ext.NV

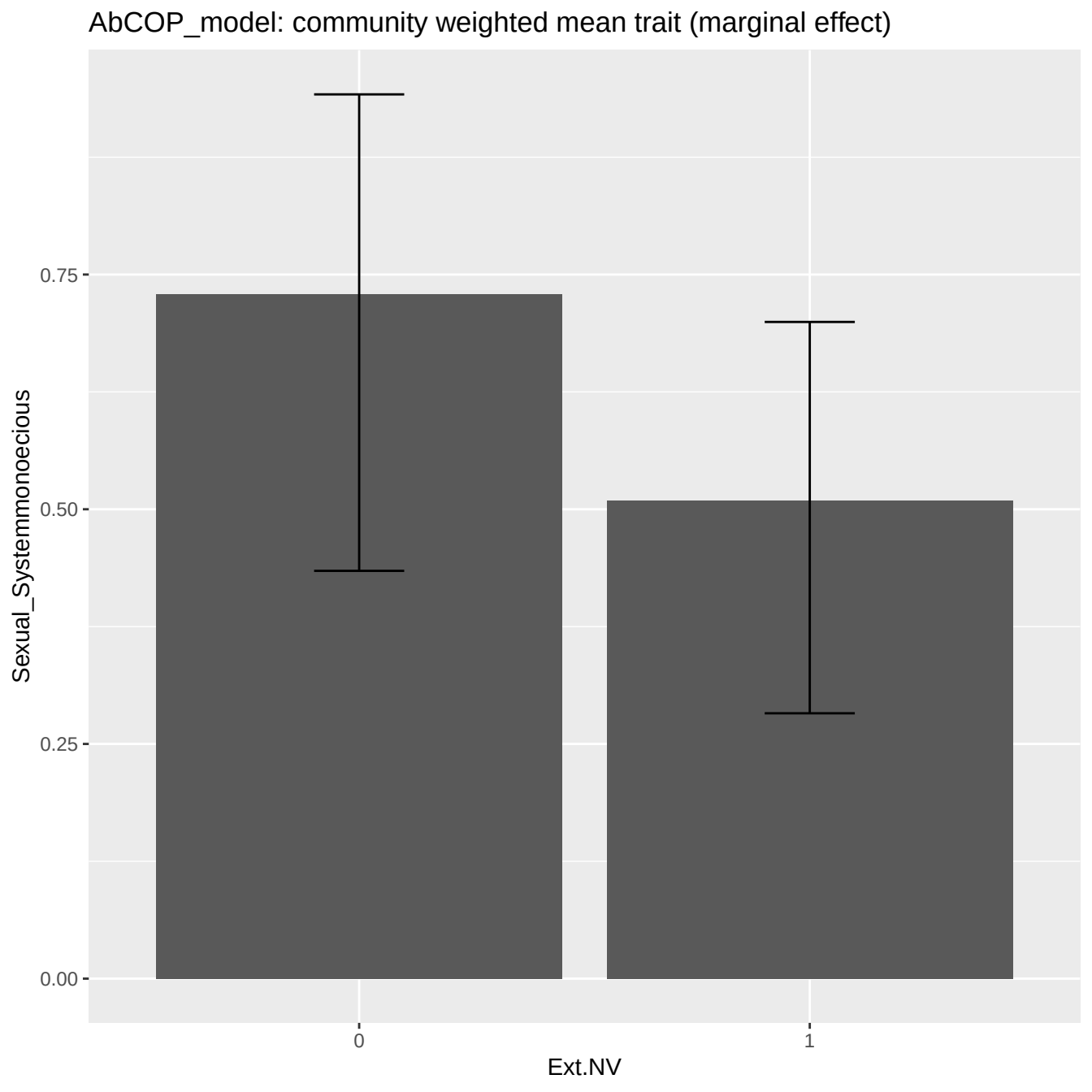

AbCOP_model: community weighted mean trait (total effect)
RootDepth
0.0
0.3
0.6
0.9
0
1
Ext.NV

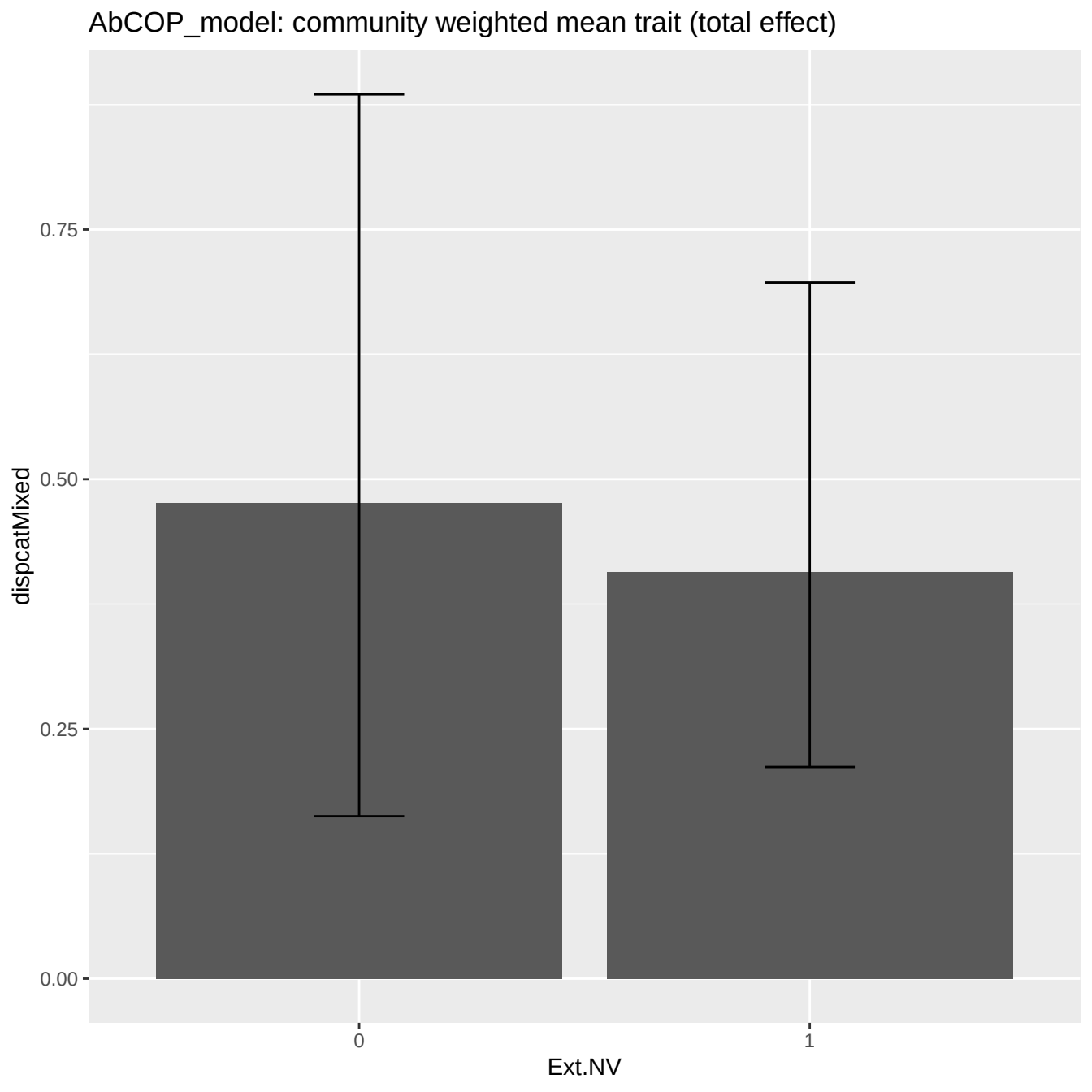

AbCOP_model: community weighted mean trait (marginal effect)
RootDepth
0.0
0.3
0.6
0.9
0
1
Ext.NV

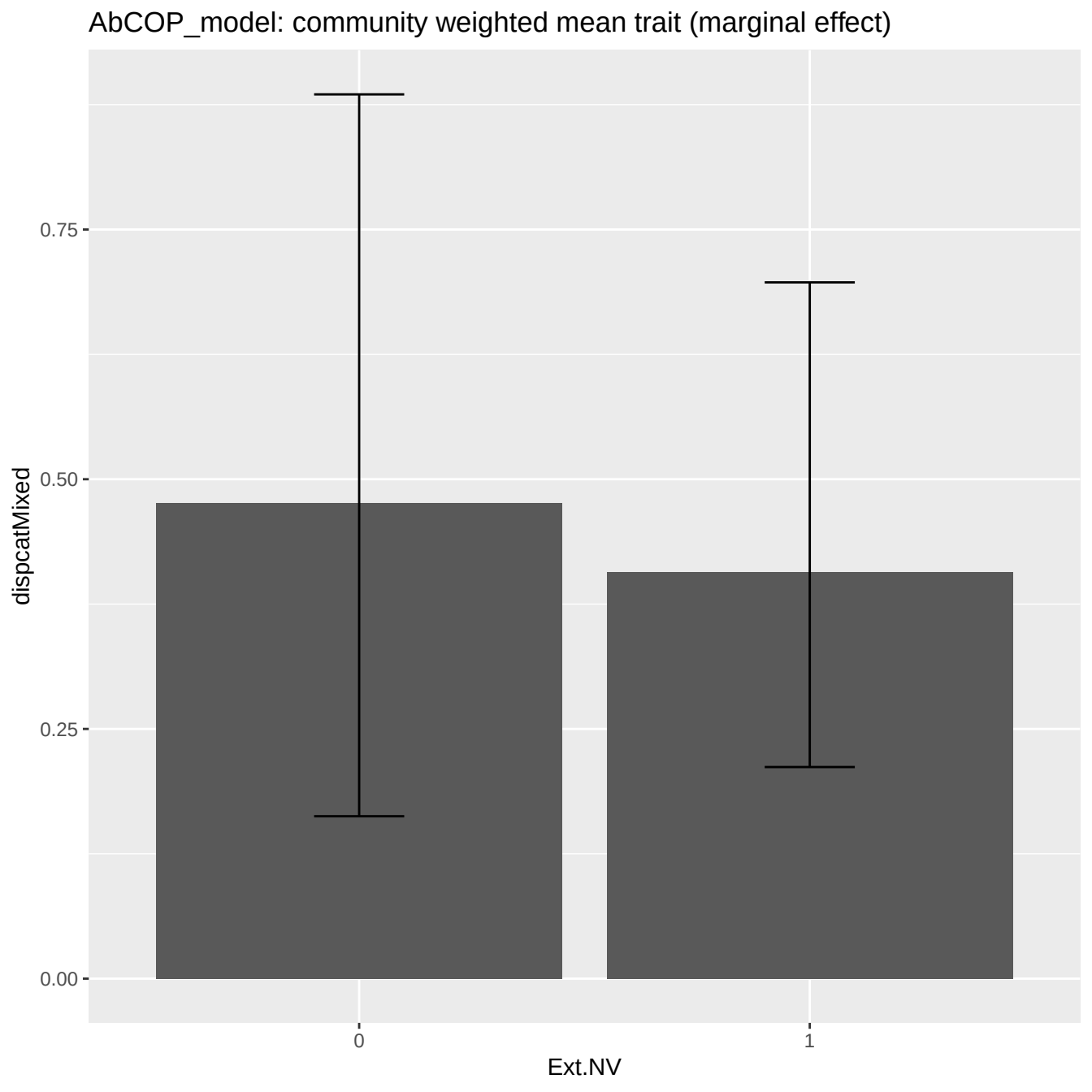

AbCOP_model: community weighted mean trait (total effect)
SLA
10
5
0
0
1
Ext.NV

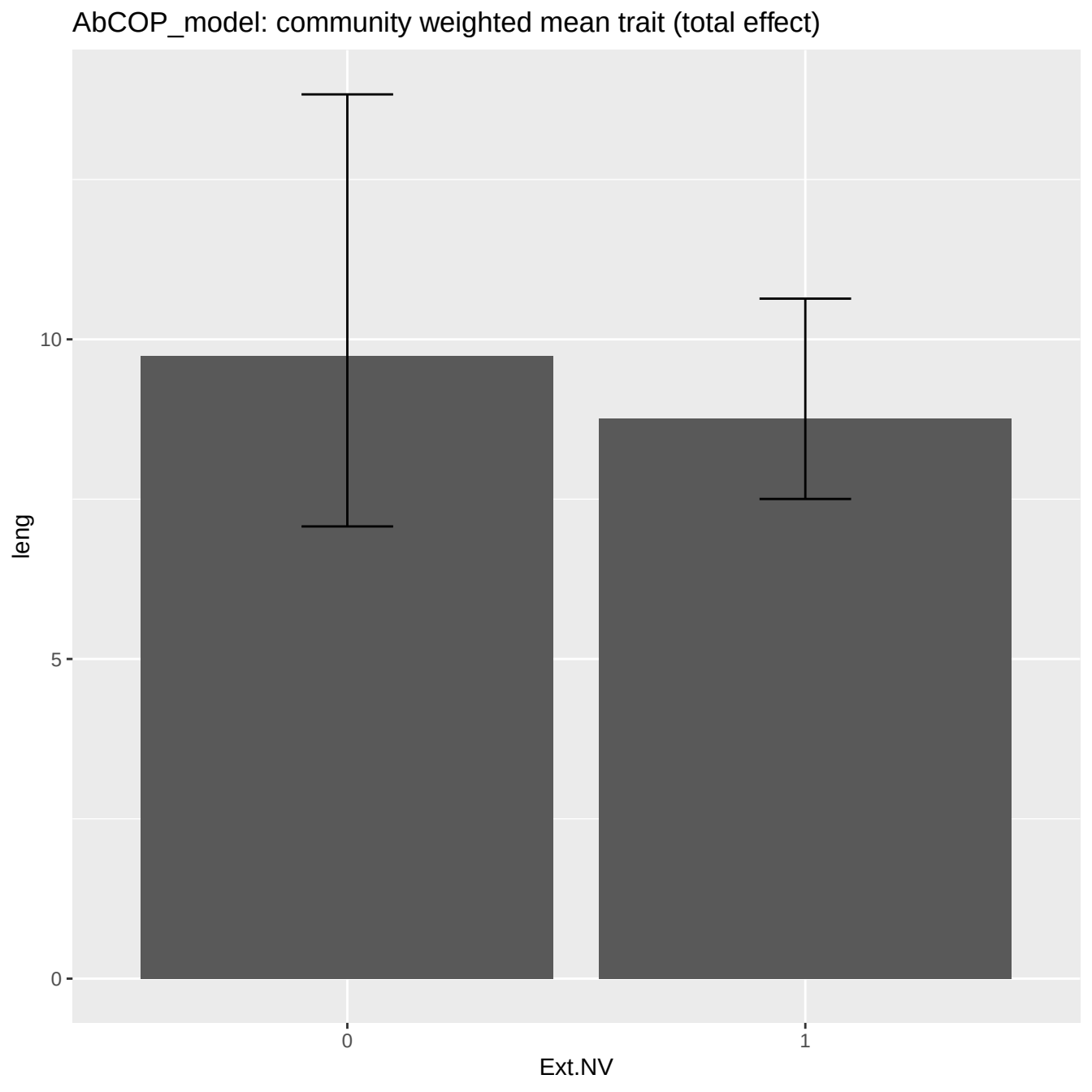

AbCOP_model: community weighted mean trait (marginal effect)
SLA
10
5
0
0
1
Ext.NV

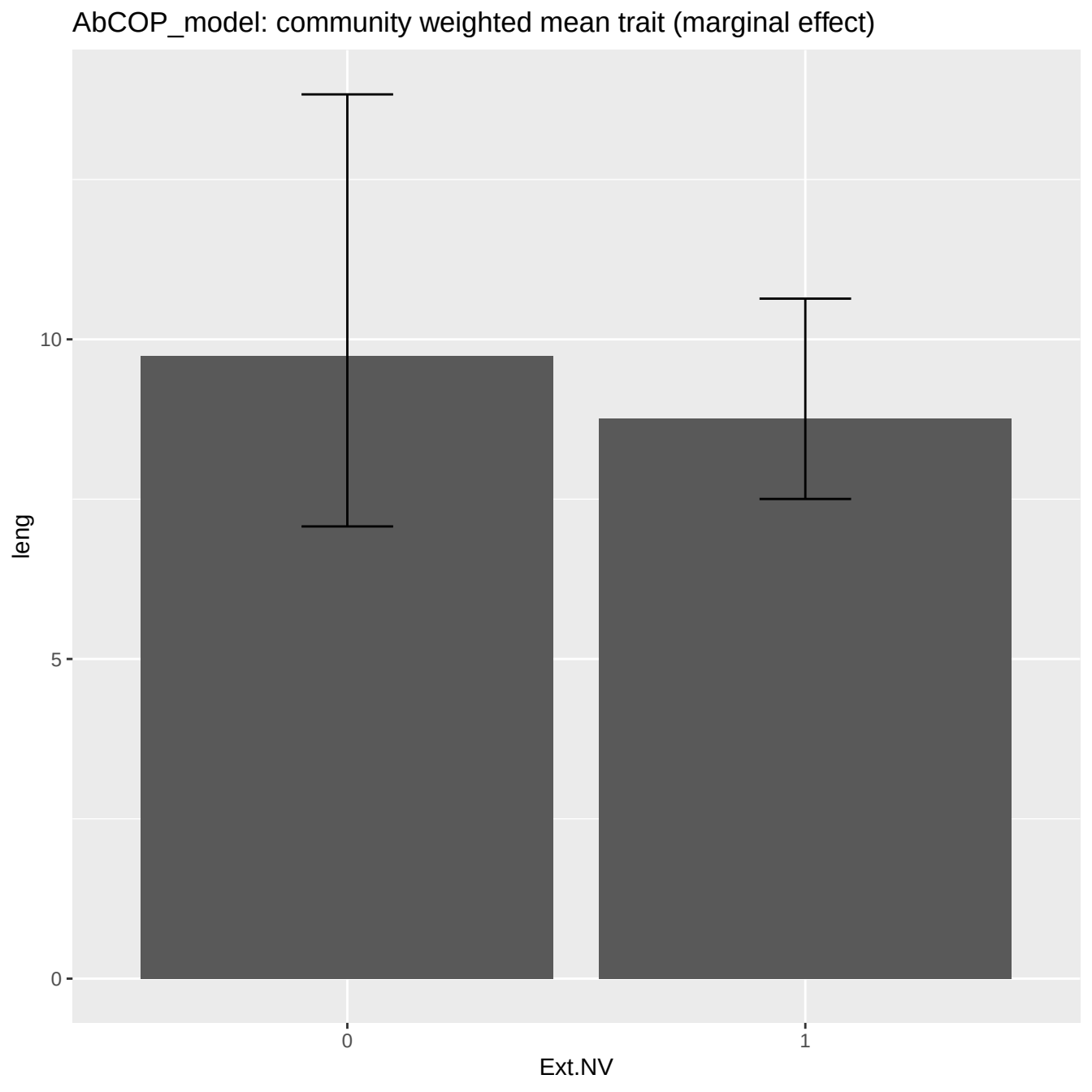

AbCOP_model: community weighted mean trait (total effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
0
1
Ext.NV

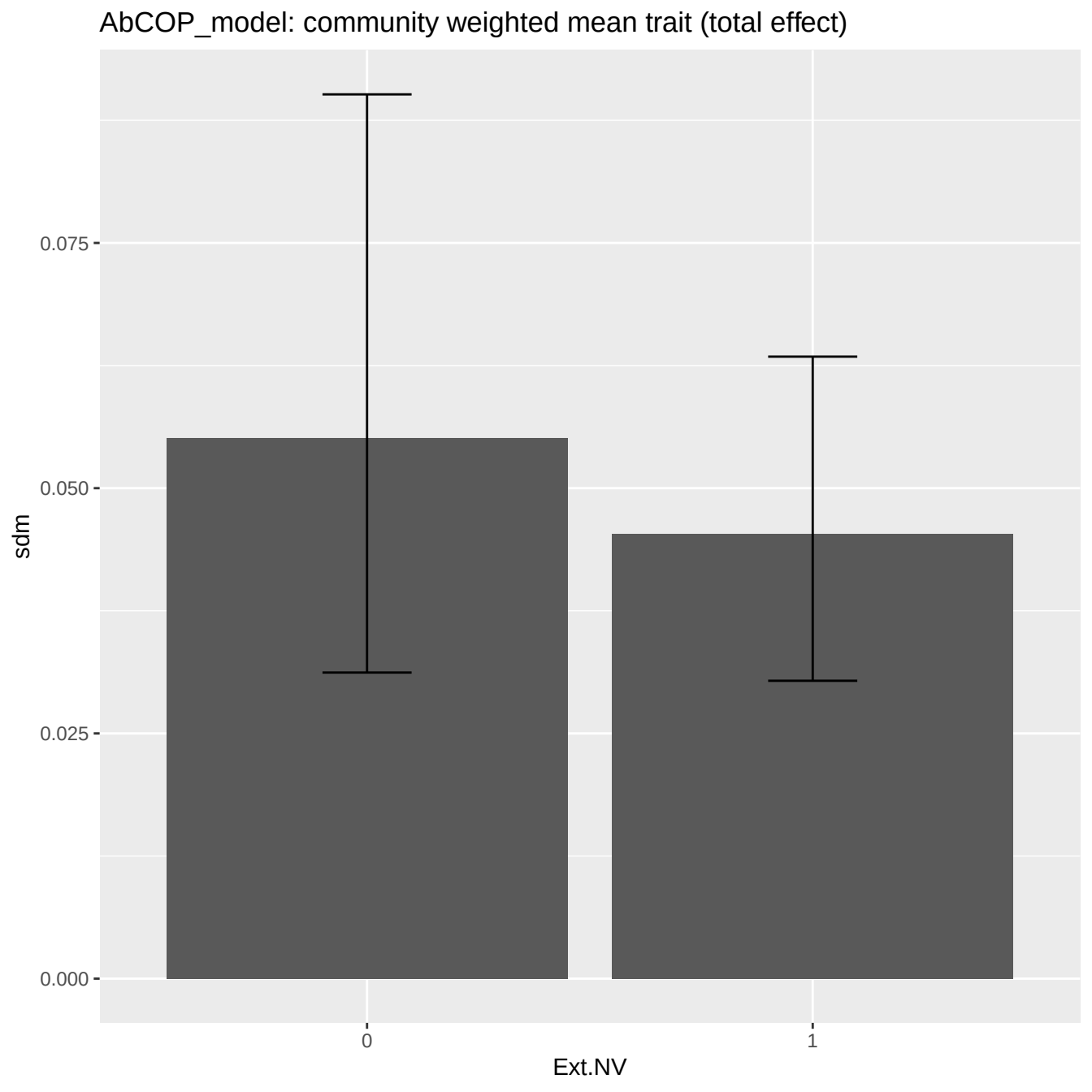

AbCOP_model: community weighted mean trait (marginal effect)
Sexual_Systemmonoecious
0.75
0.50
0.25
0.00
0
1
Ext.NV

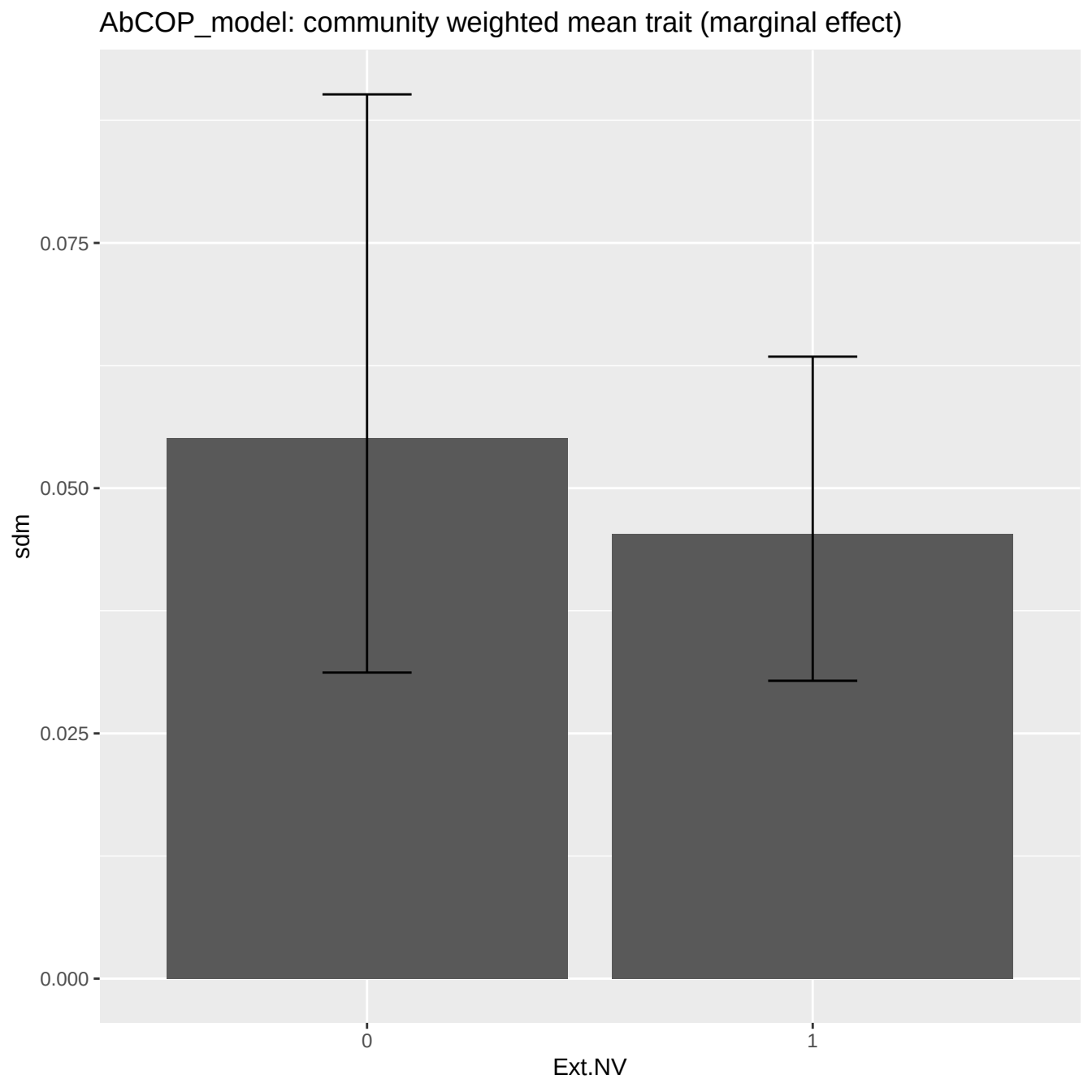

AbCOP_model: community weighted mean trait (total effect)
dispcatMixed
0.00
0.25
0.50
0.75
0
1
Ext.NV

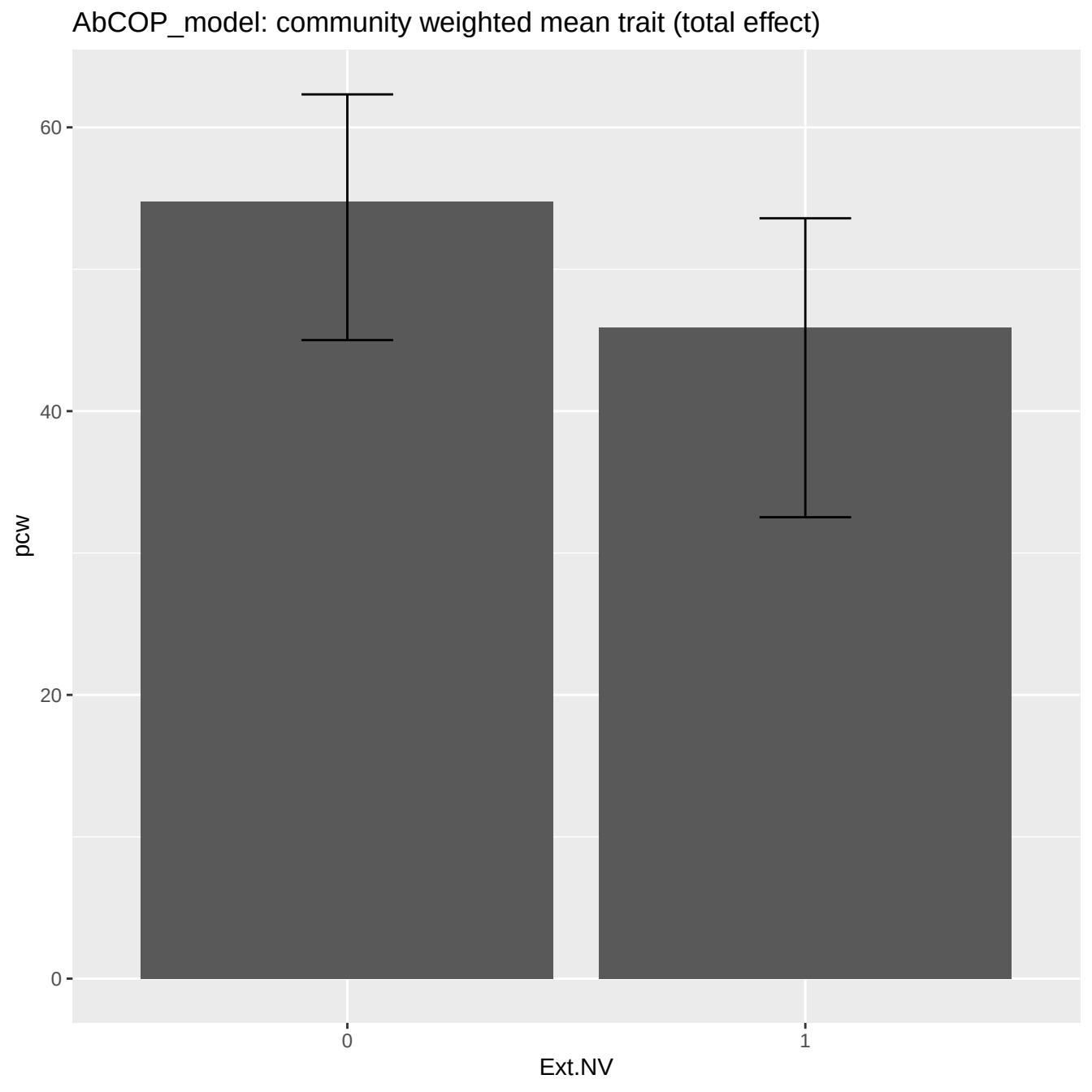

AbCOP_model: community weighted mean trait (marginal effect)
dispcatMixed
0.75
0.50
0.25
0.00
0
1
Ext.NV

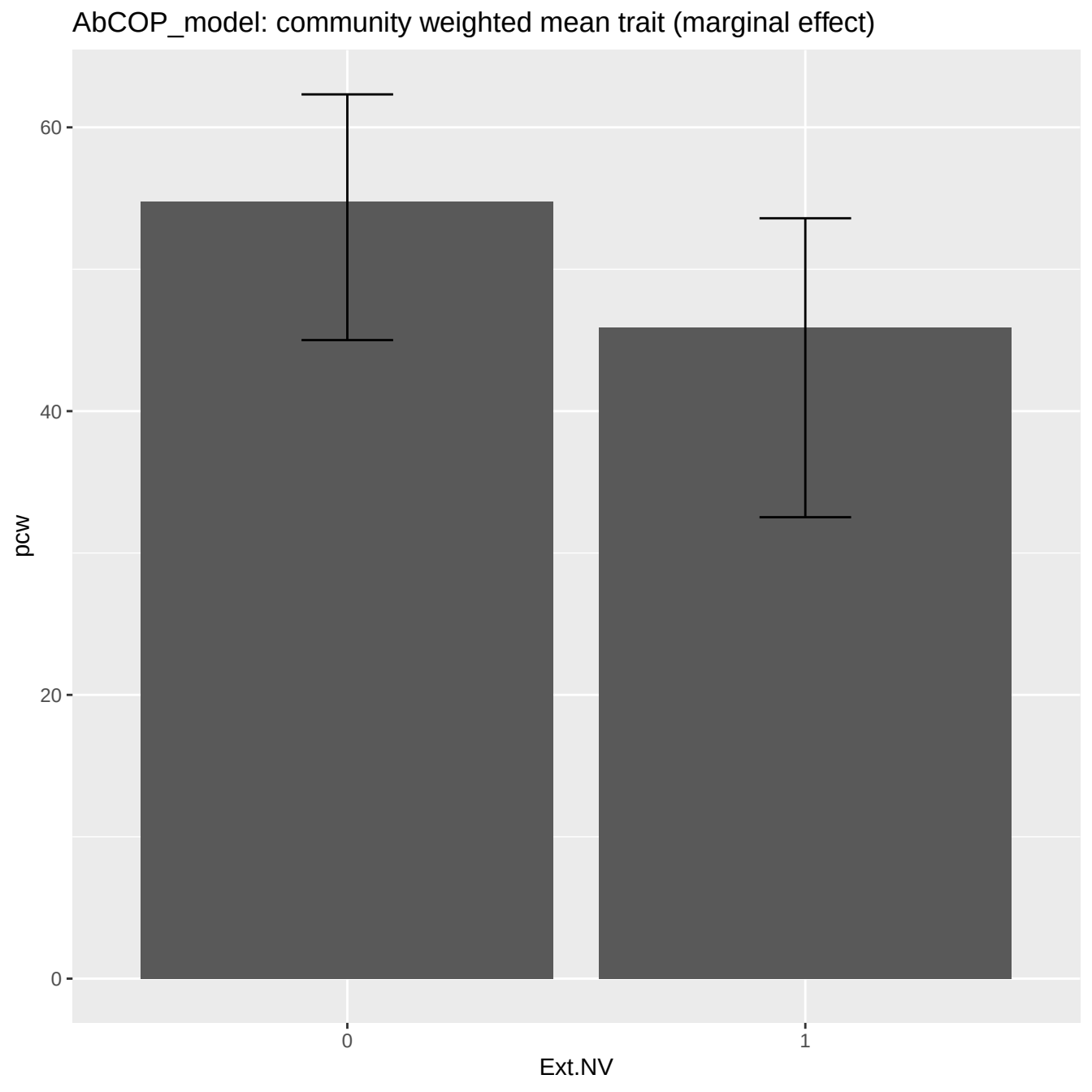

AbCOP_model: community weighted mean trait (total effect)
leng
10
5
0
0
1
Ext.NV

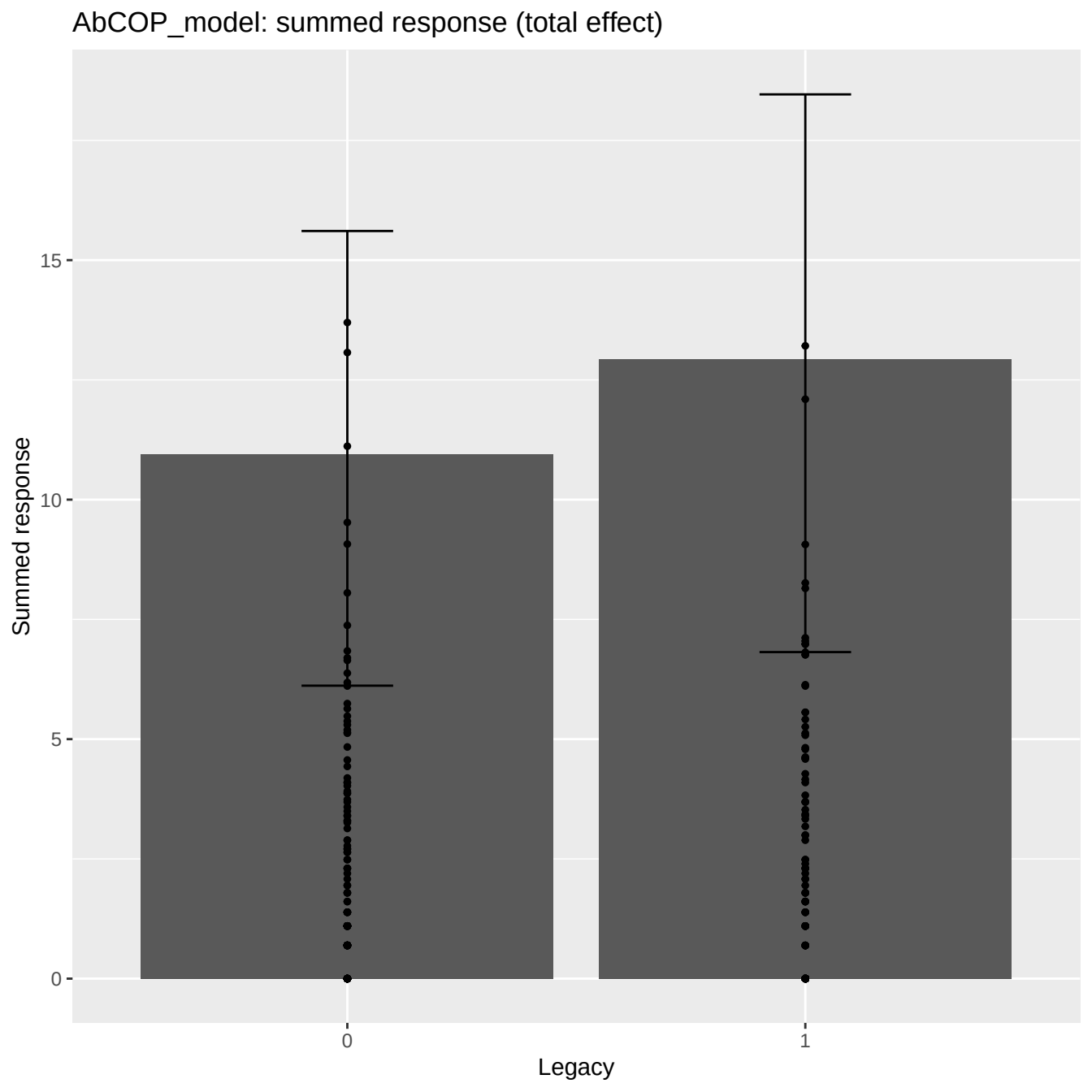

AbCOP_model: community weighted mean trait (marginal effect)
leng
10
5
0
0
1
Ext.NV

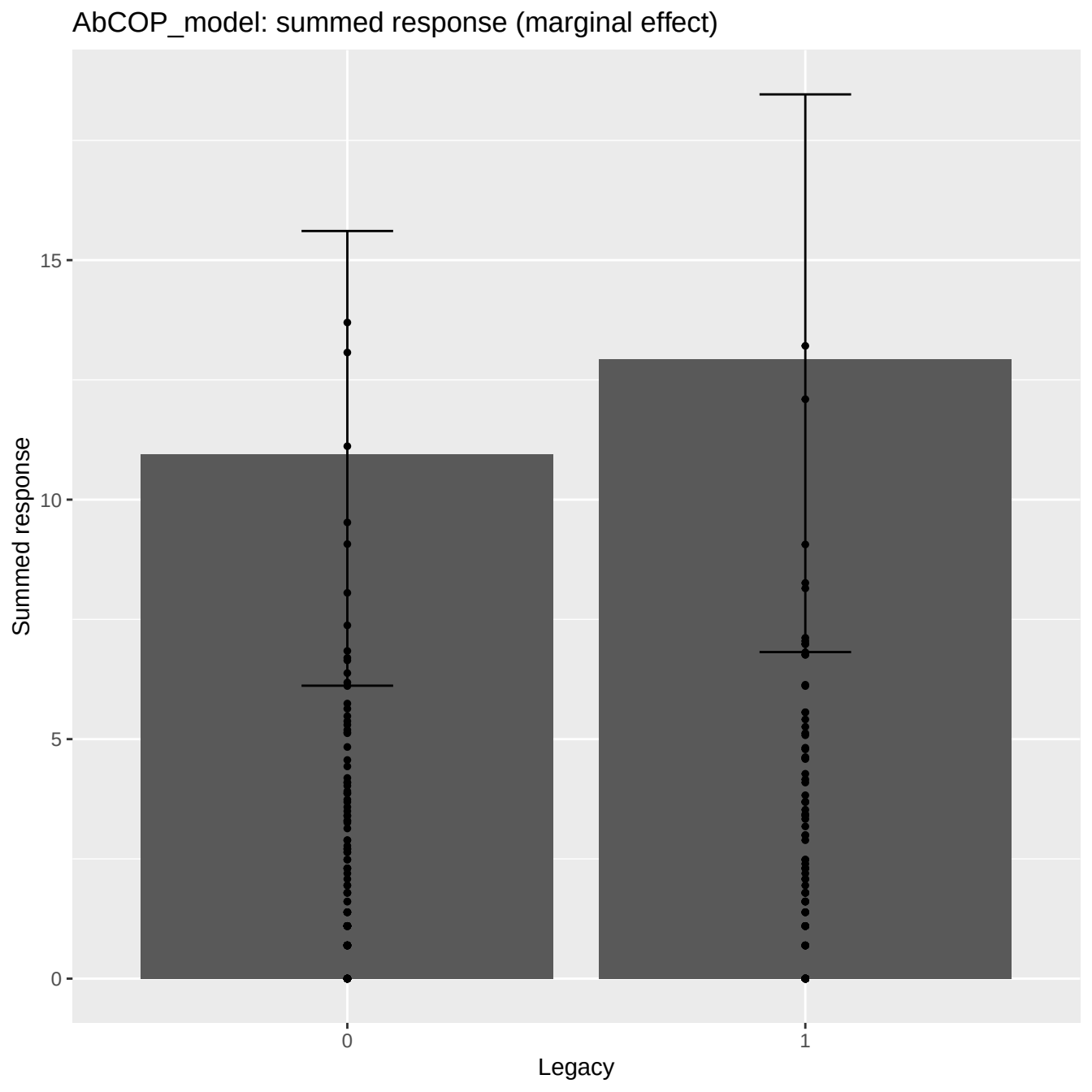

AbCOP_model: community weighted mean trait (total effect)
sdm
0.075
0.050
0.025
0.000
0
1
Ext.NV

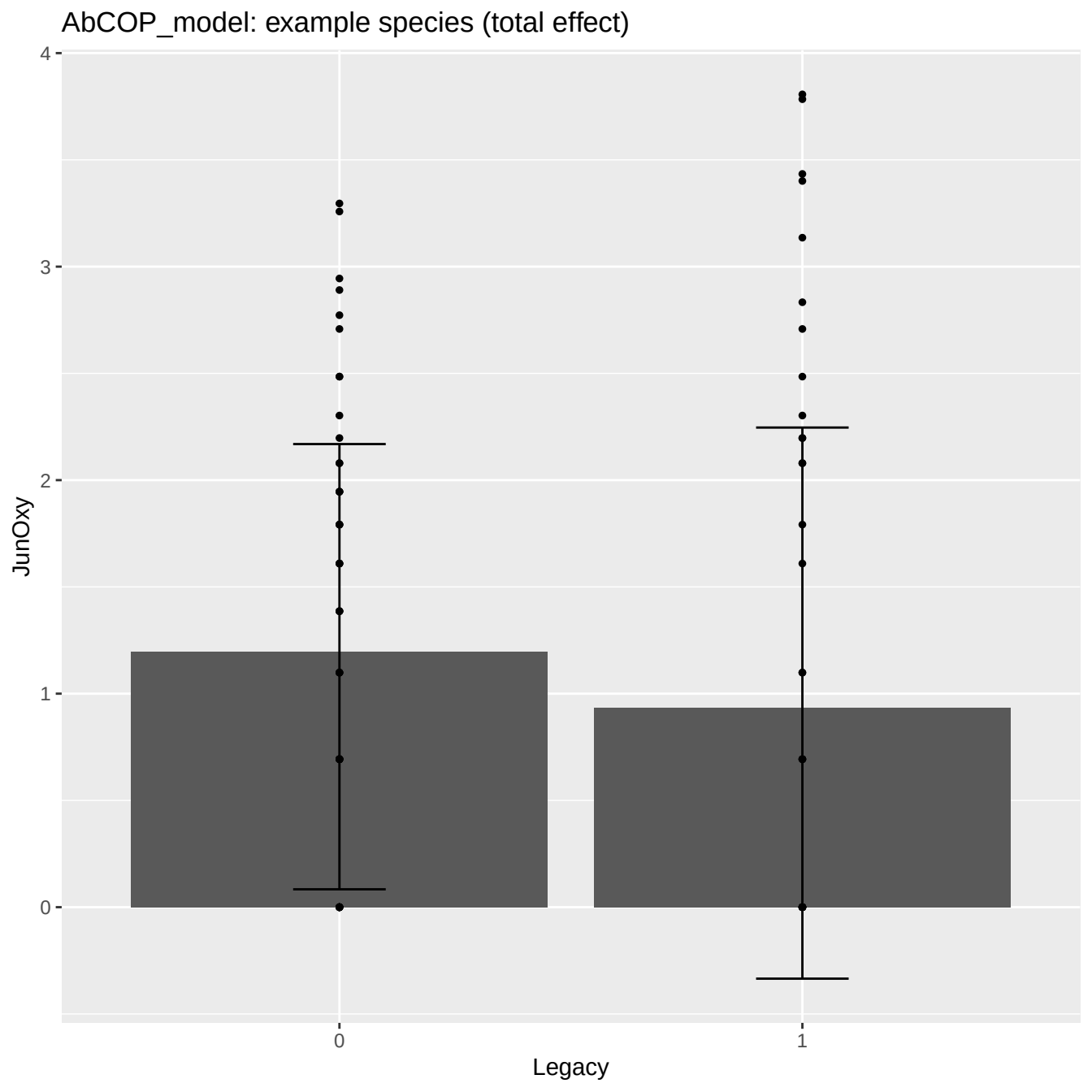

AbCOP_model: community weighted mean trait (marginal effect)
sdm
0.075
0.050
0.025
0.000
0
1
Ext.NV

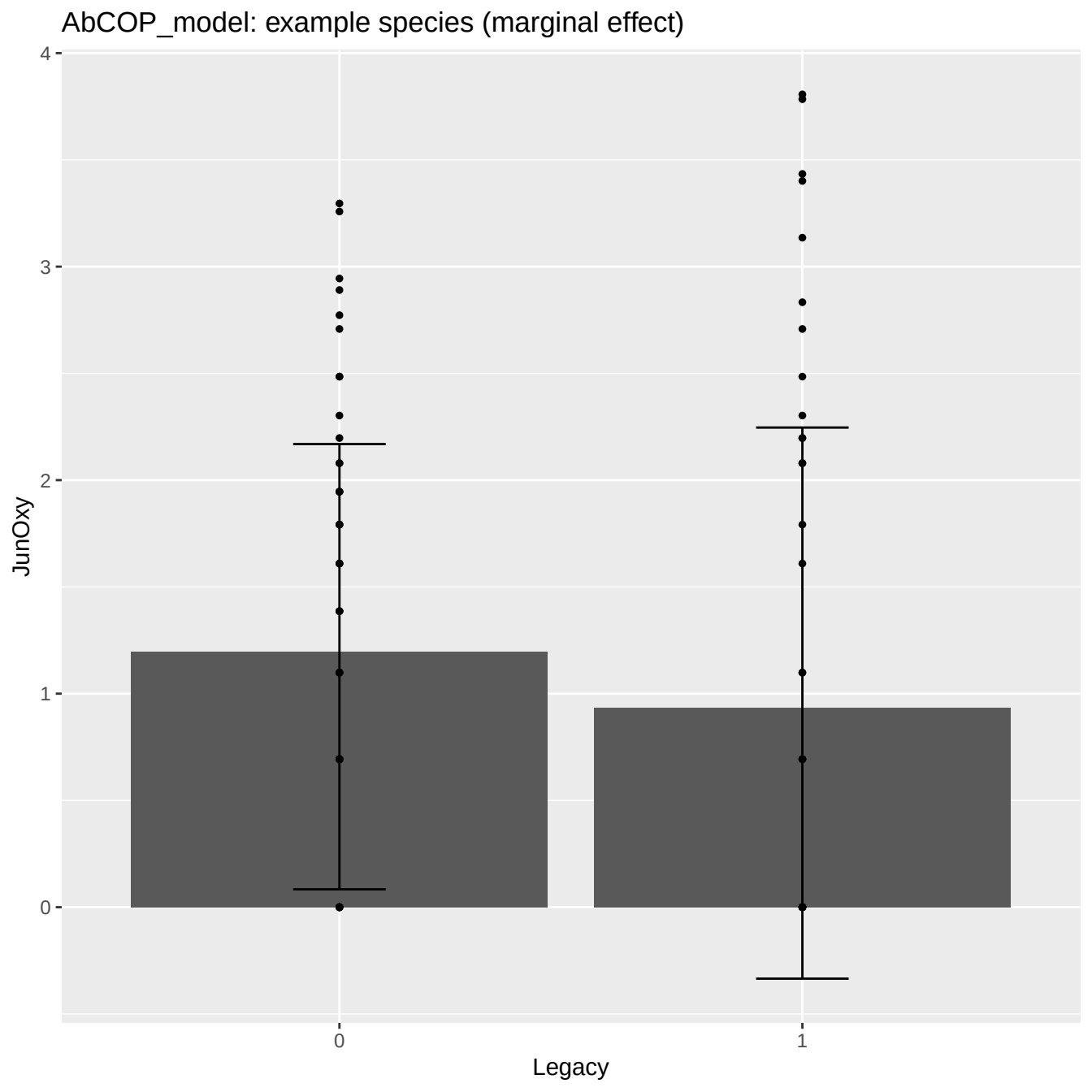

AbCOP_model: community weighted mean trait (total effect)
60
40
20
0
pcw
0
1
Ext.NV

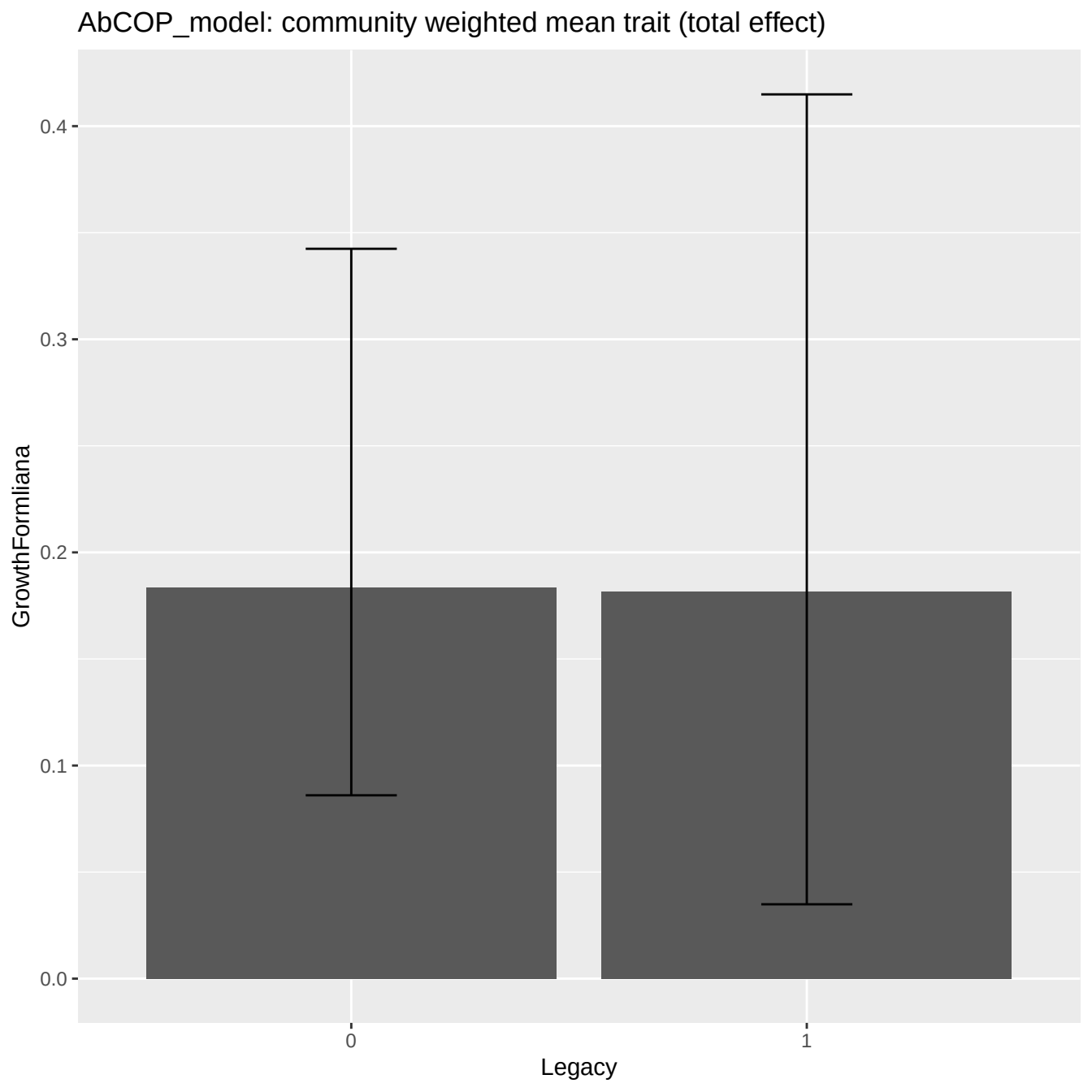

AbCOP_model: community weighted mean trait (marginal effect)
60
40
20
0
pcw
0
1
Ext.NV

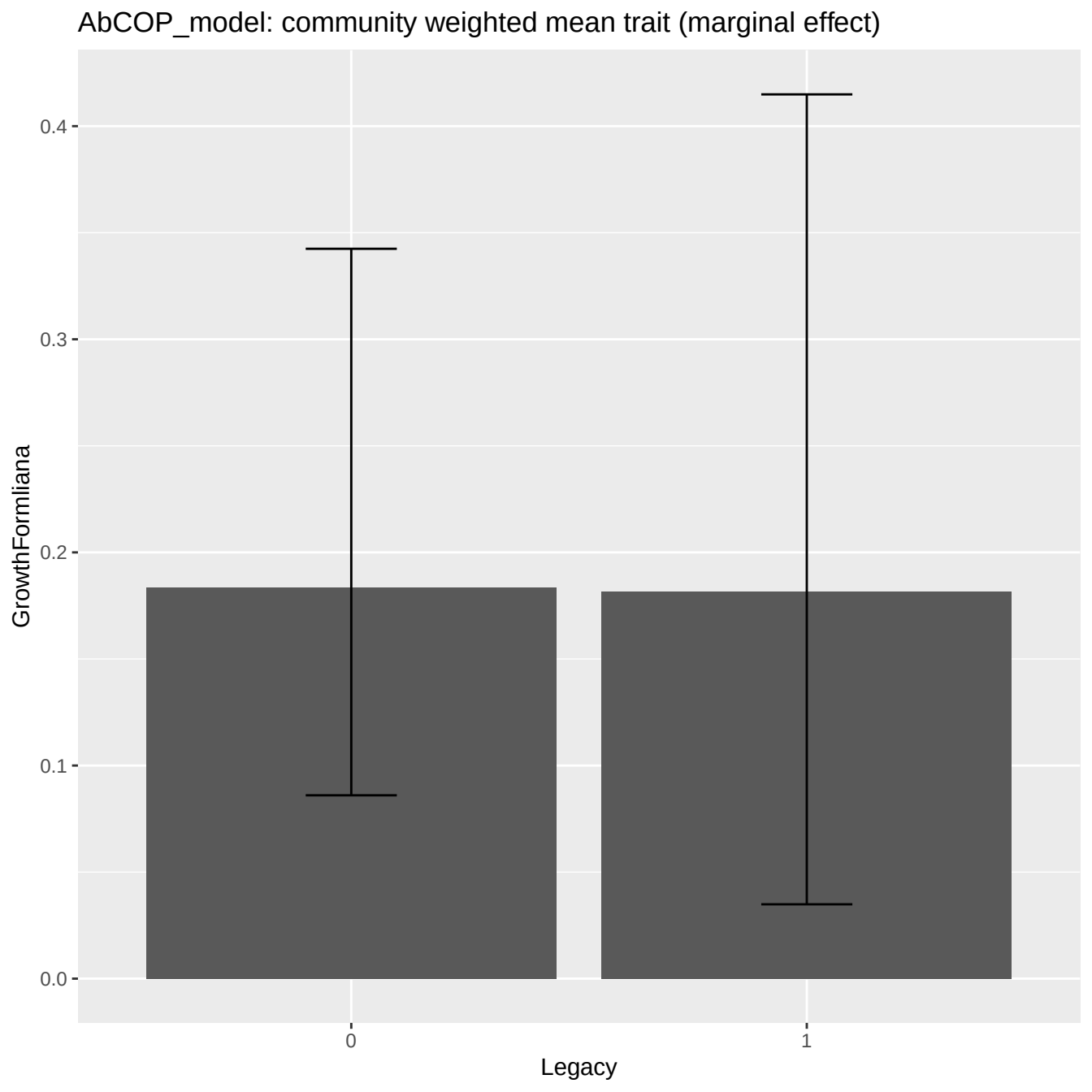

AbCOP_model: summed response (total effect)
Summed response
15
10
5
0
0
1
Legacy

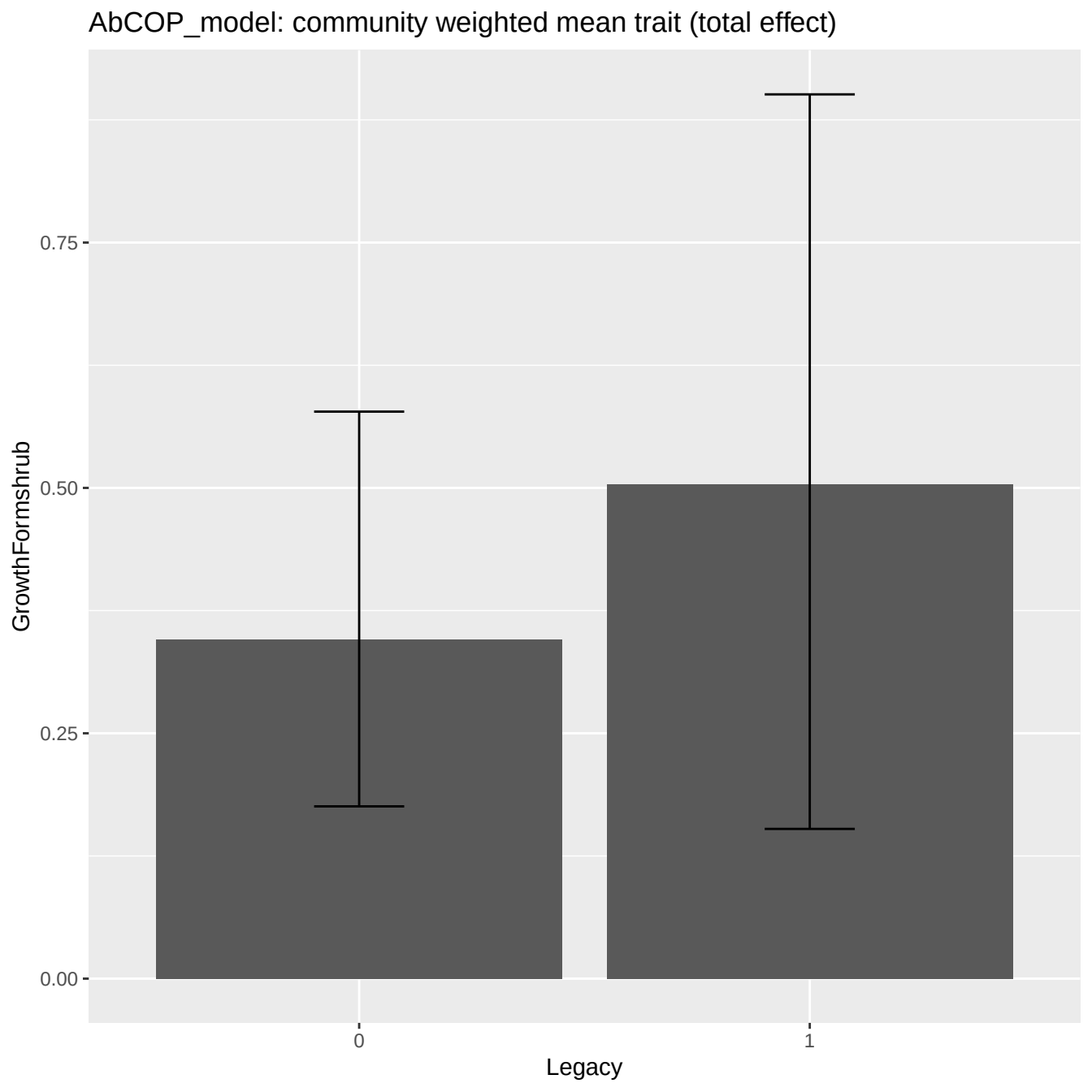

AbCOP_model: summed response (marginal effect)
Summed response
15
10
5
0
0
1
Legacy

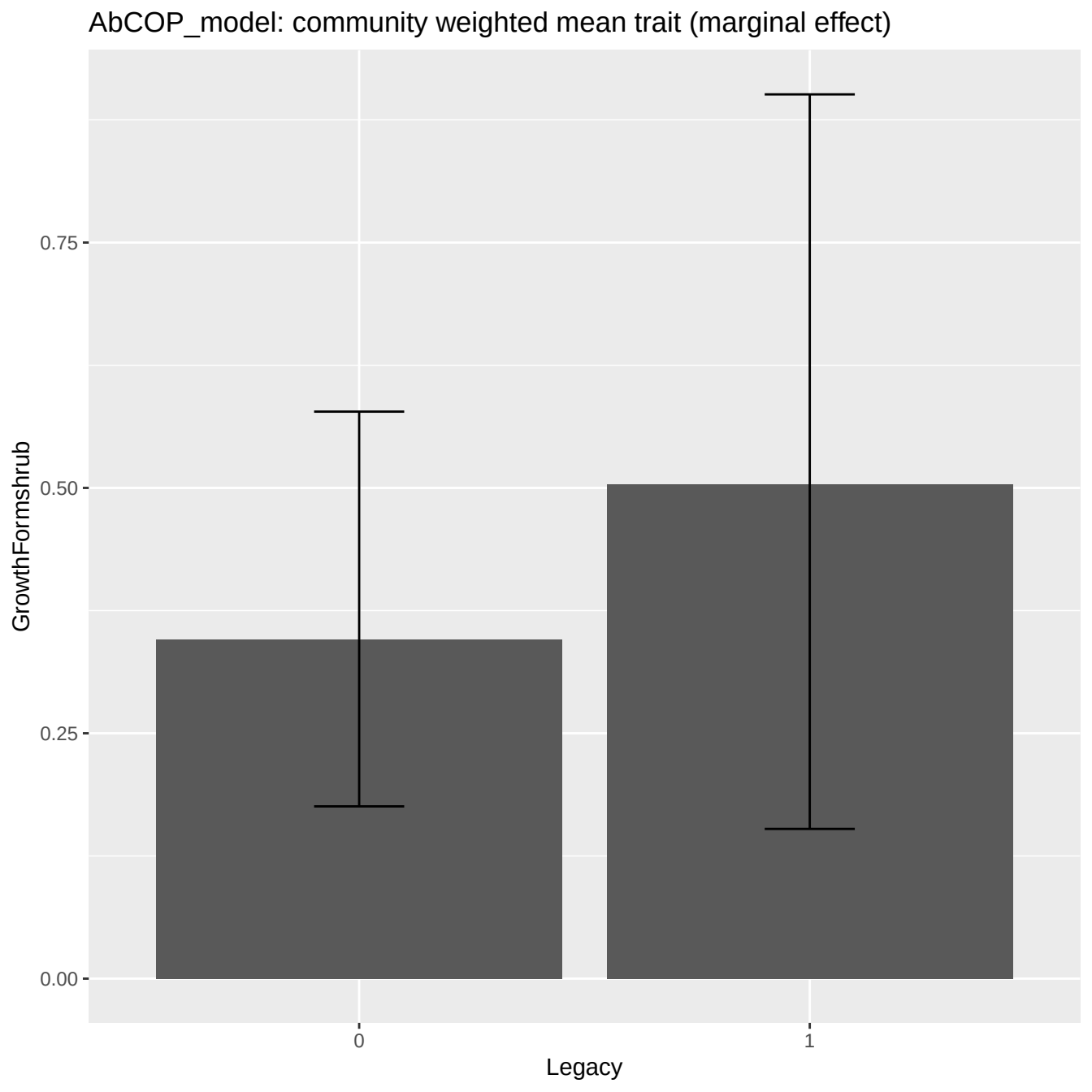

AbCOP_model: example species (total effect)
JunOxy
4
3
2
1
0
0
1
Legacy

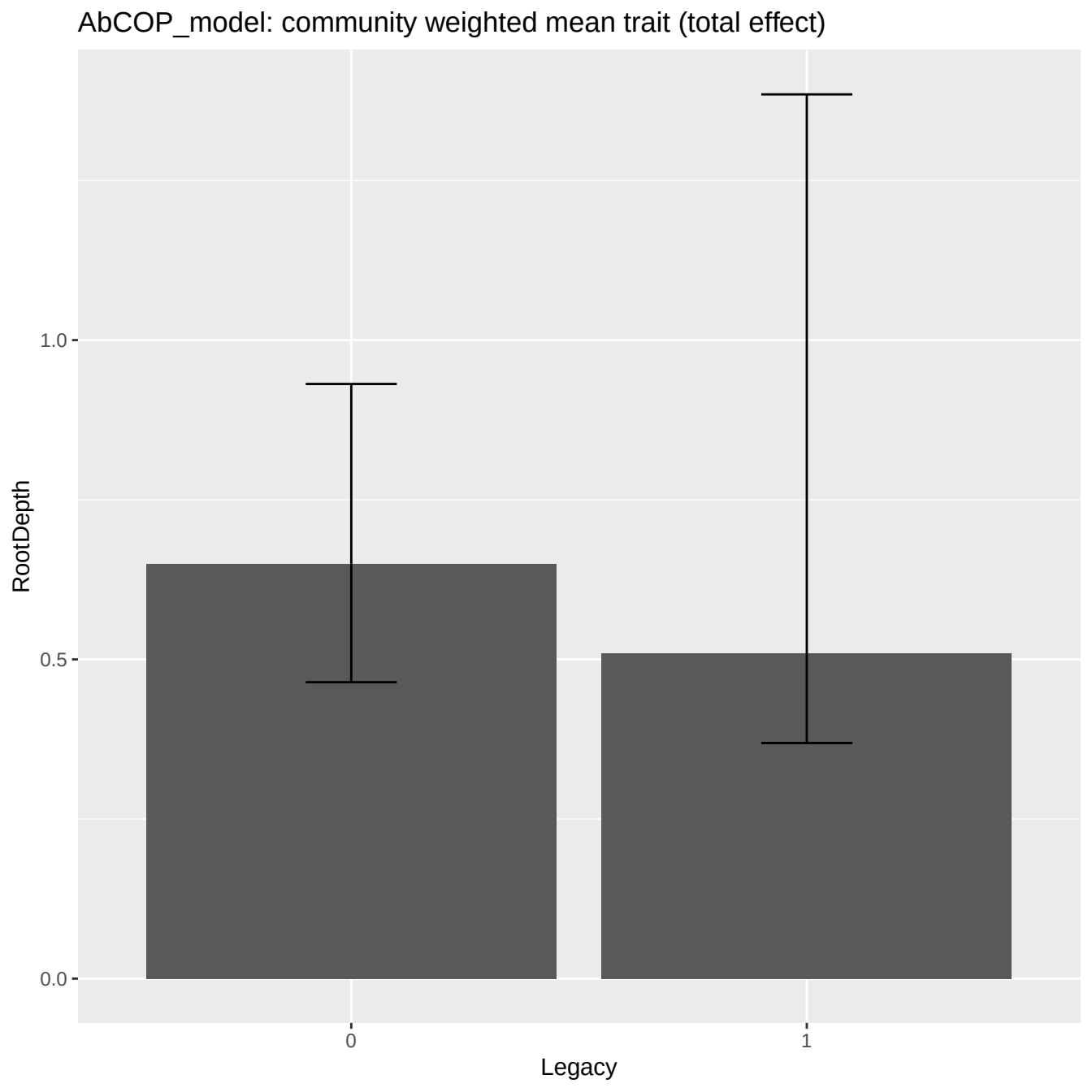

AbCOP_model: example species (marginal effect)
JunOxy
4
3
2
1
0
0
1
Legacy

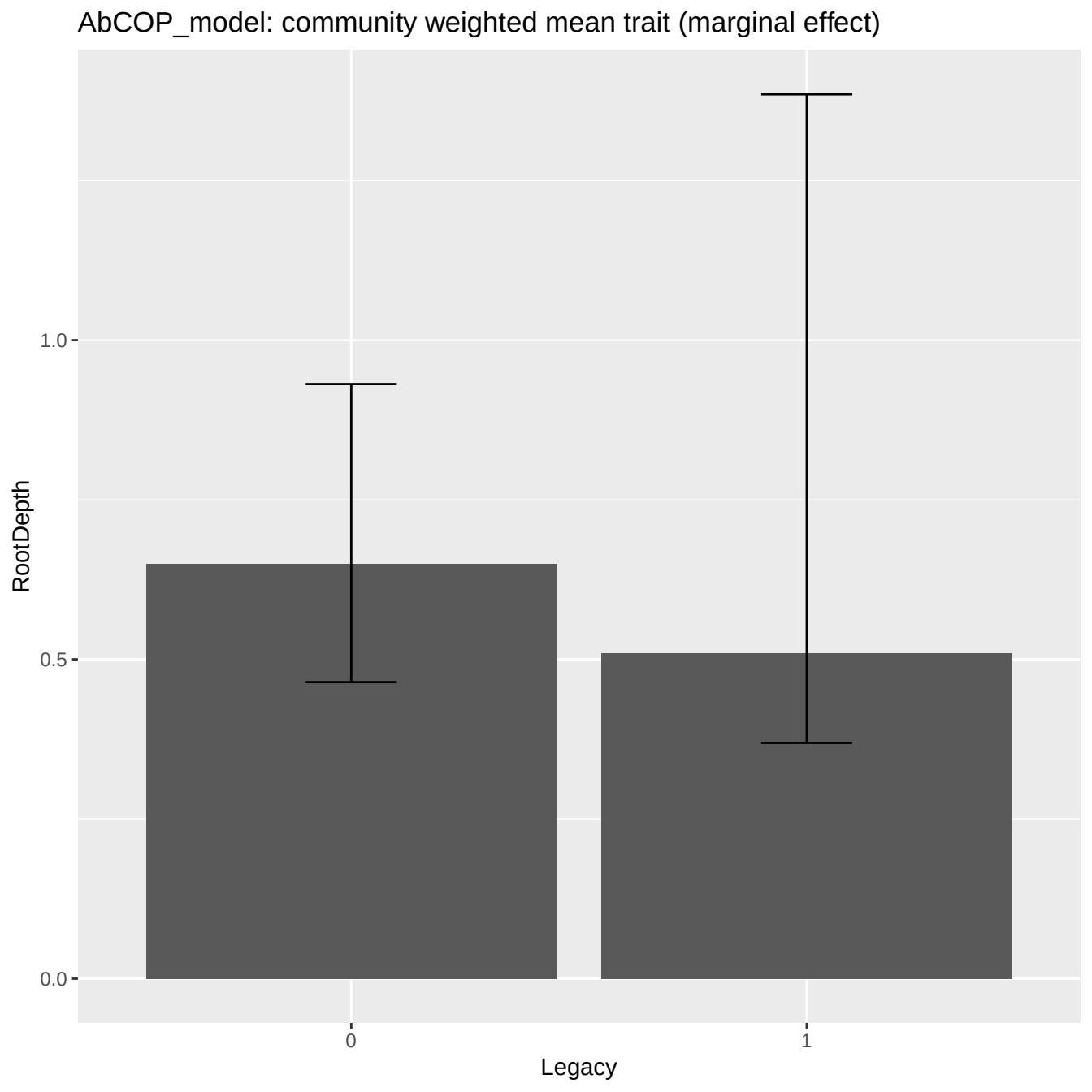

AbCOP_model: community weighted mean trait (total effect)
GrowthFormliana
0.4
0.3
0.2
0.1
0.0
0
1
Legacy

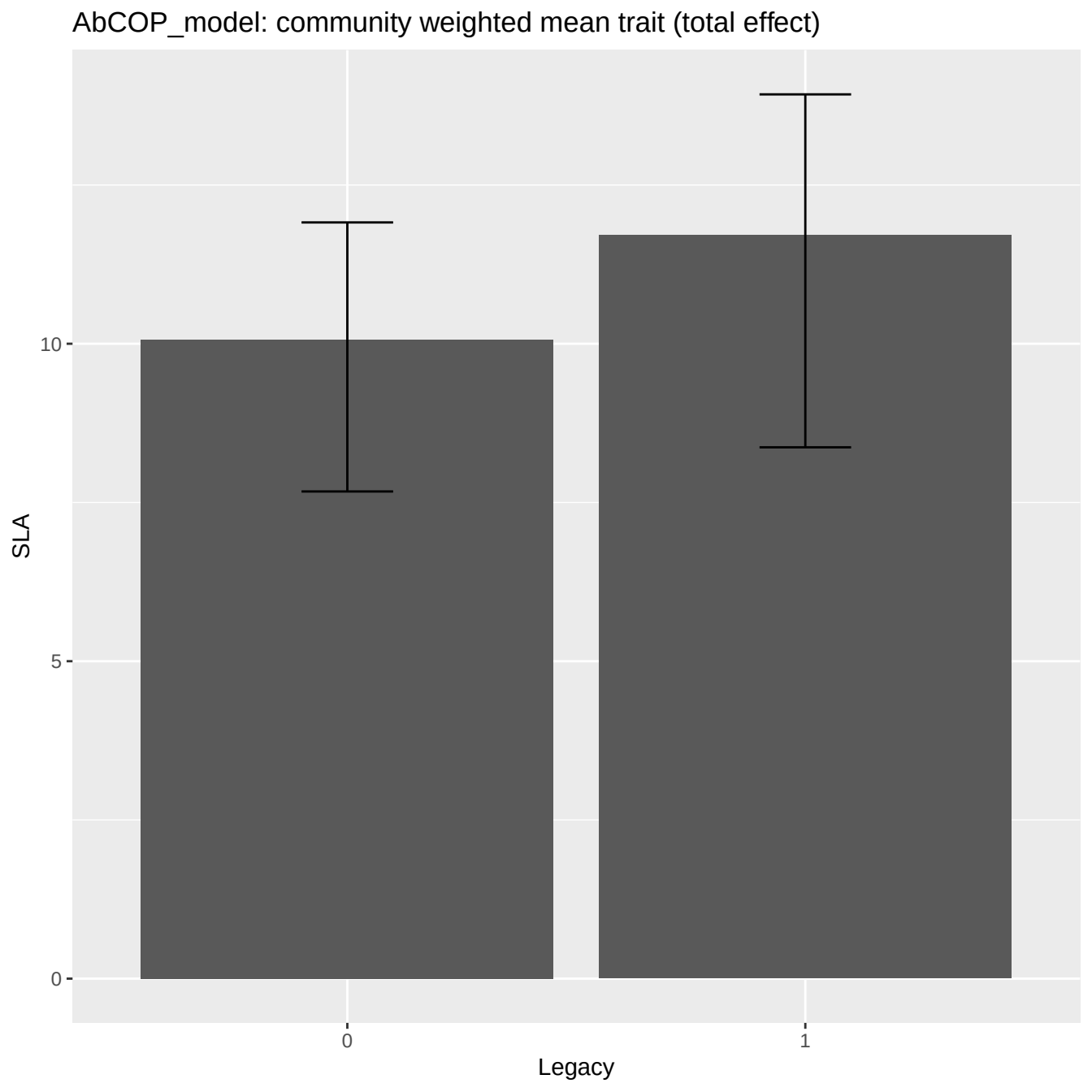

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormliana
0.4
0.3
0.2
0.1
0.0
0
1
Legacy

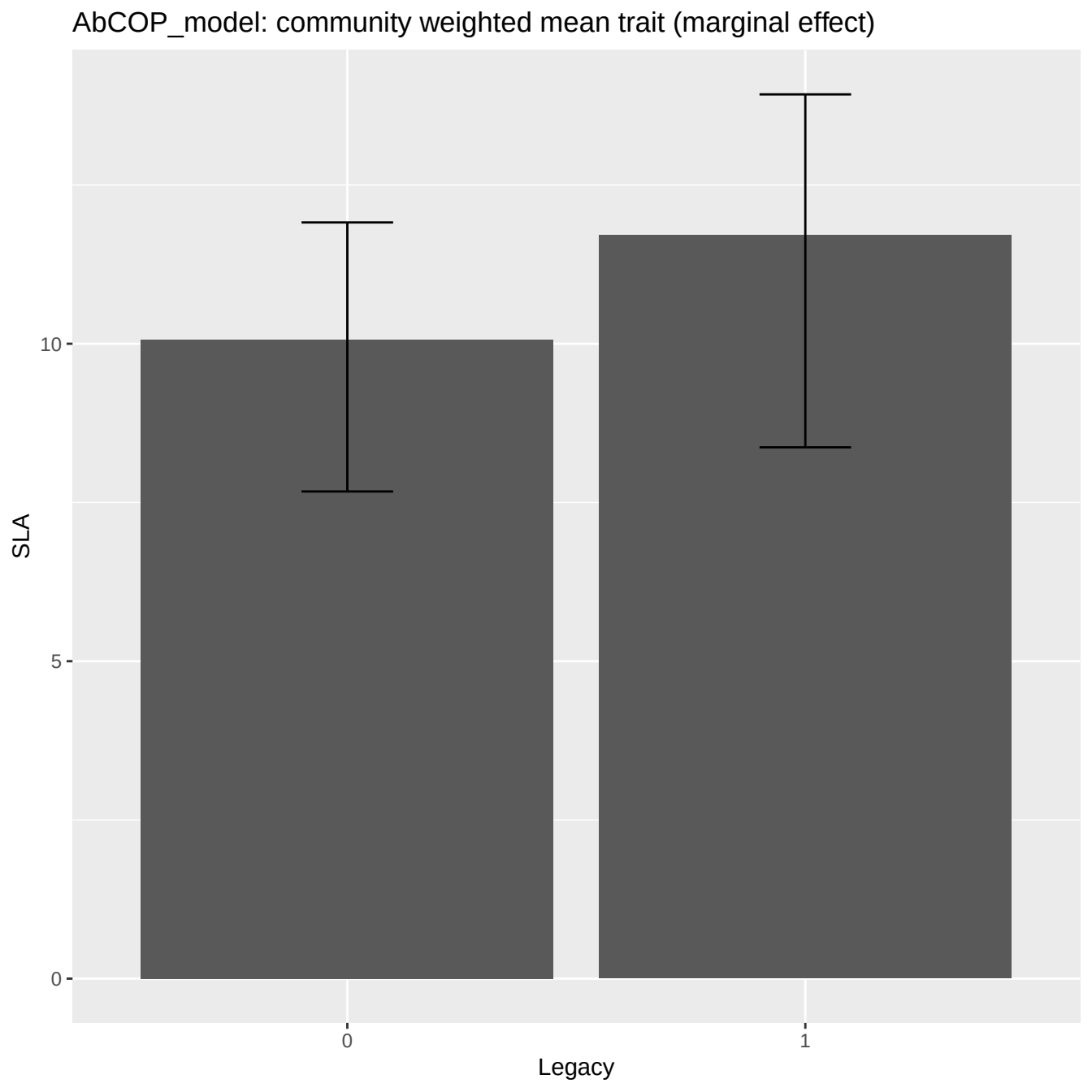

AbCOP_model: community weighted mean trait (total effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
0
1
Legacy

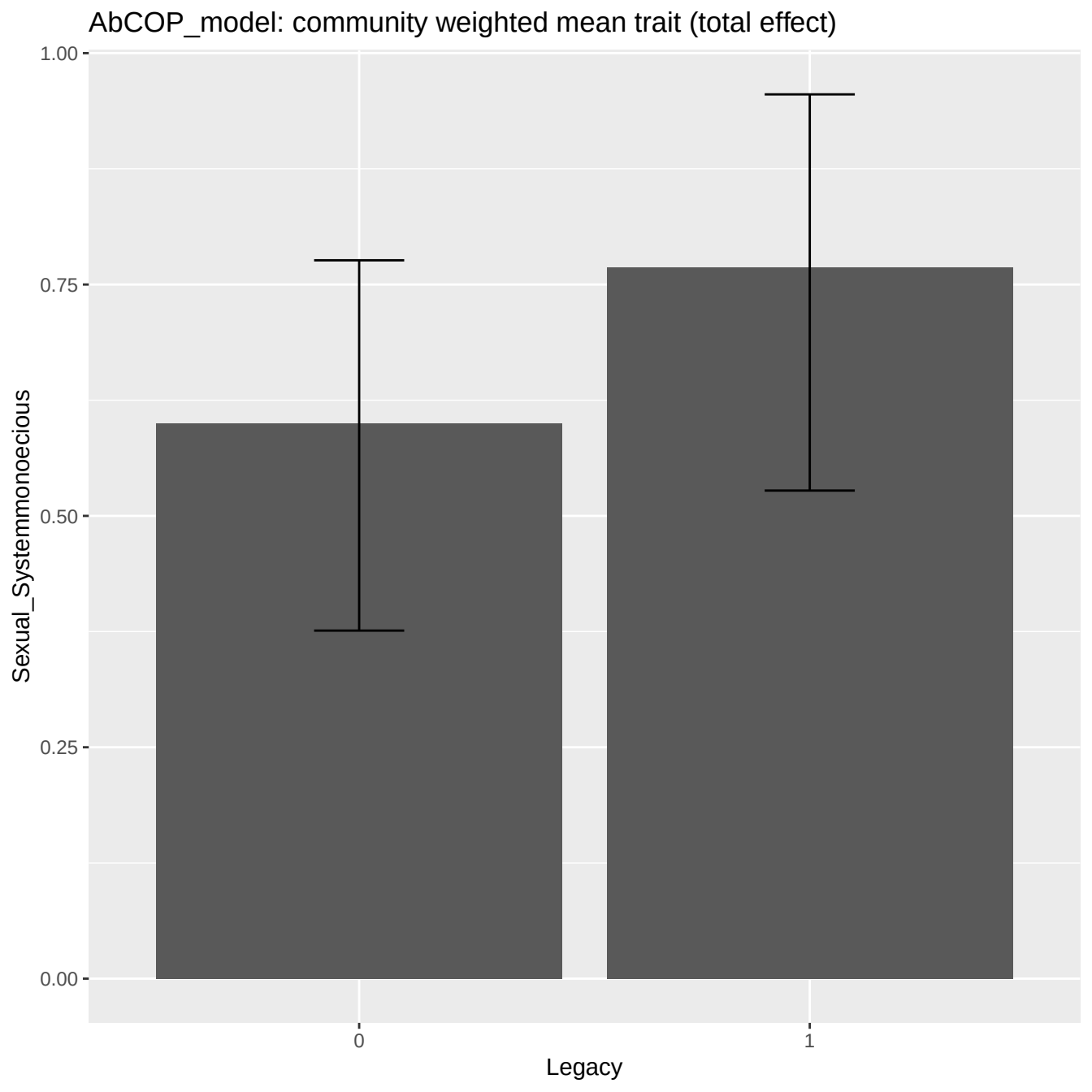

AbCOP_model: community weighted mean trait (marginal effect)
GrowthFormshrub
0.75
0.50
0.25
0.00
0
1
Legacy

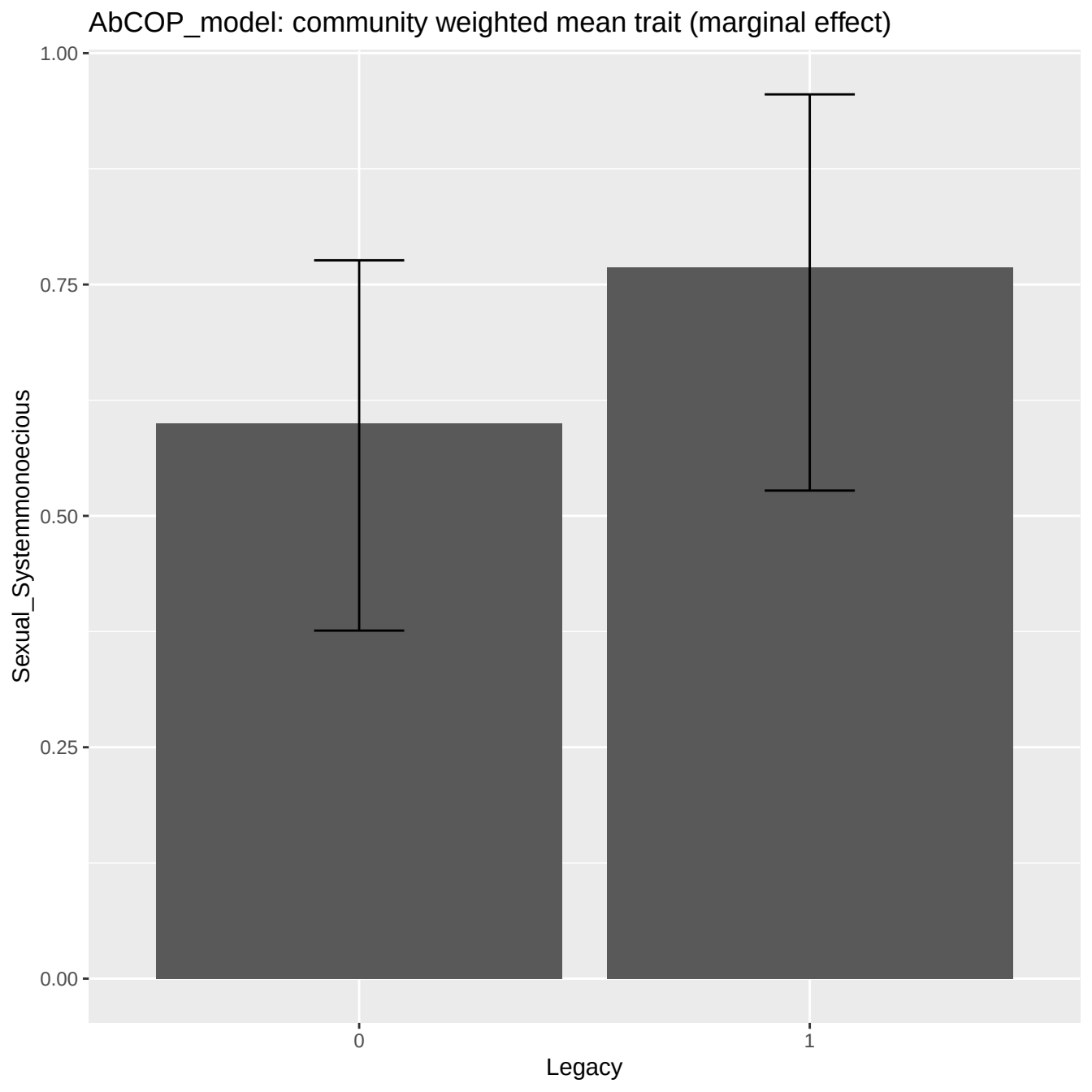

AbCOP_model: community weighted mean trait (total effect)
RootDepth
1.0
0.5
0.0
0
1
Legacy

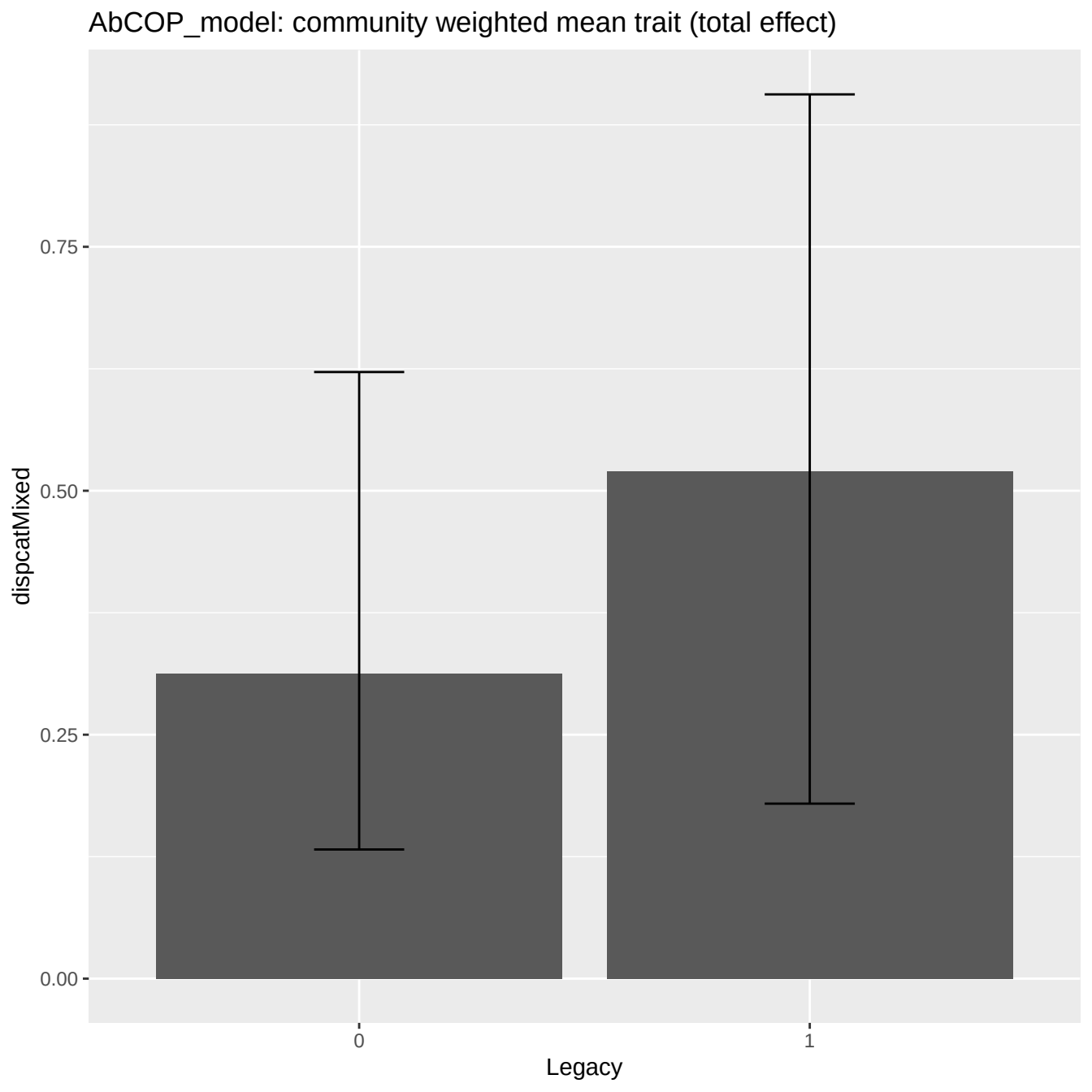

AbCOP_model: community weighted mean trait (marginal effect)
RootDepth
1.0
0.5
0.0
0
1
Legacy

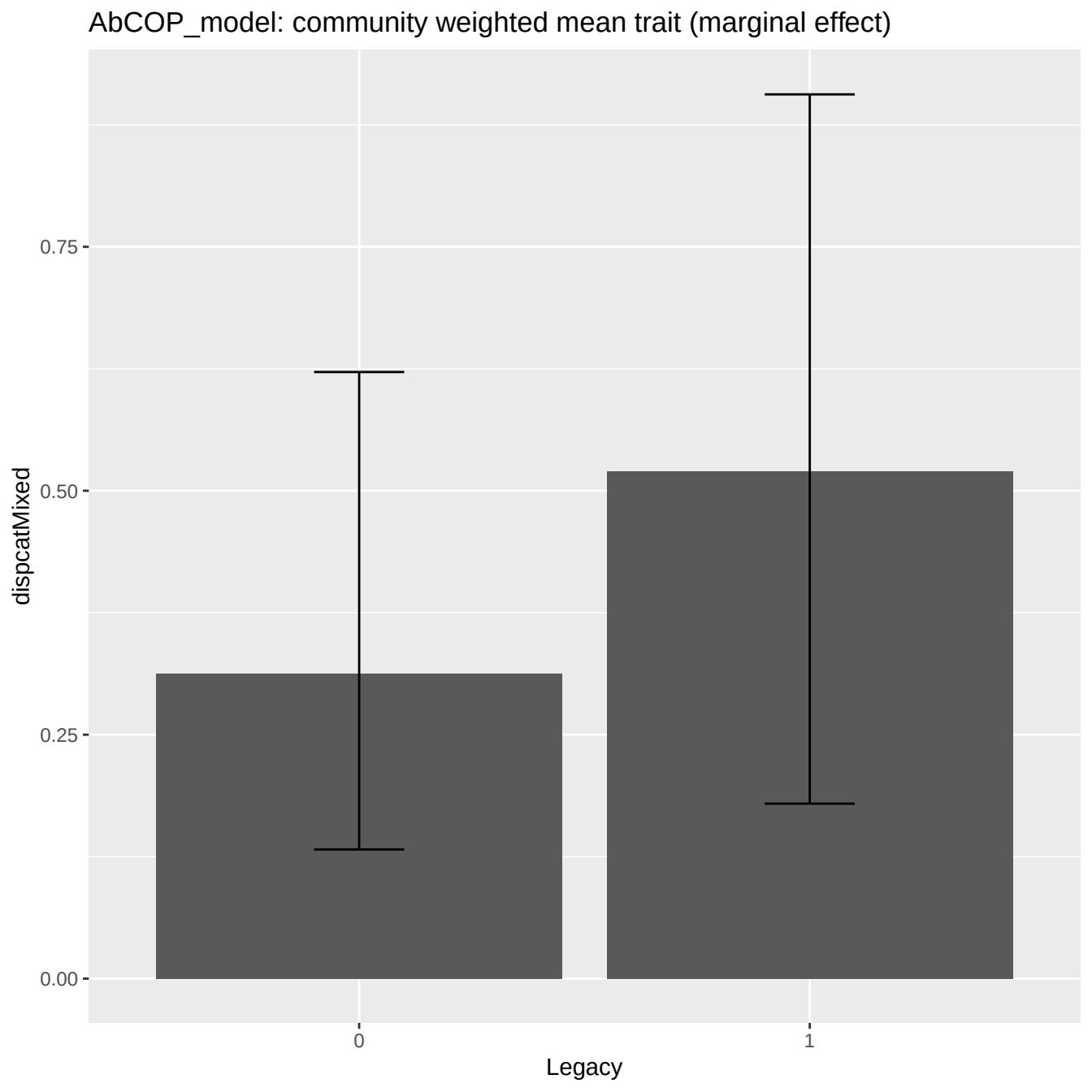

AbCOP_model: community weighted mean trait (total effect)
SLA
10
5
0
0
1
Legacy

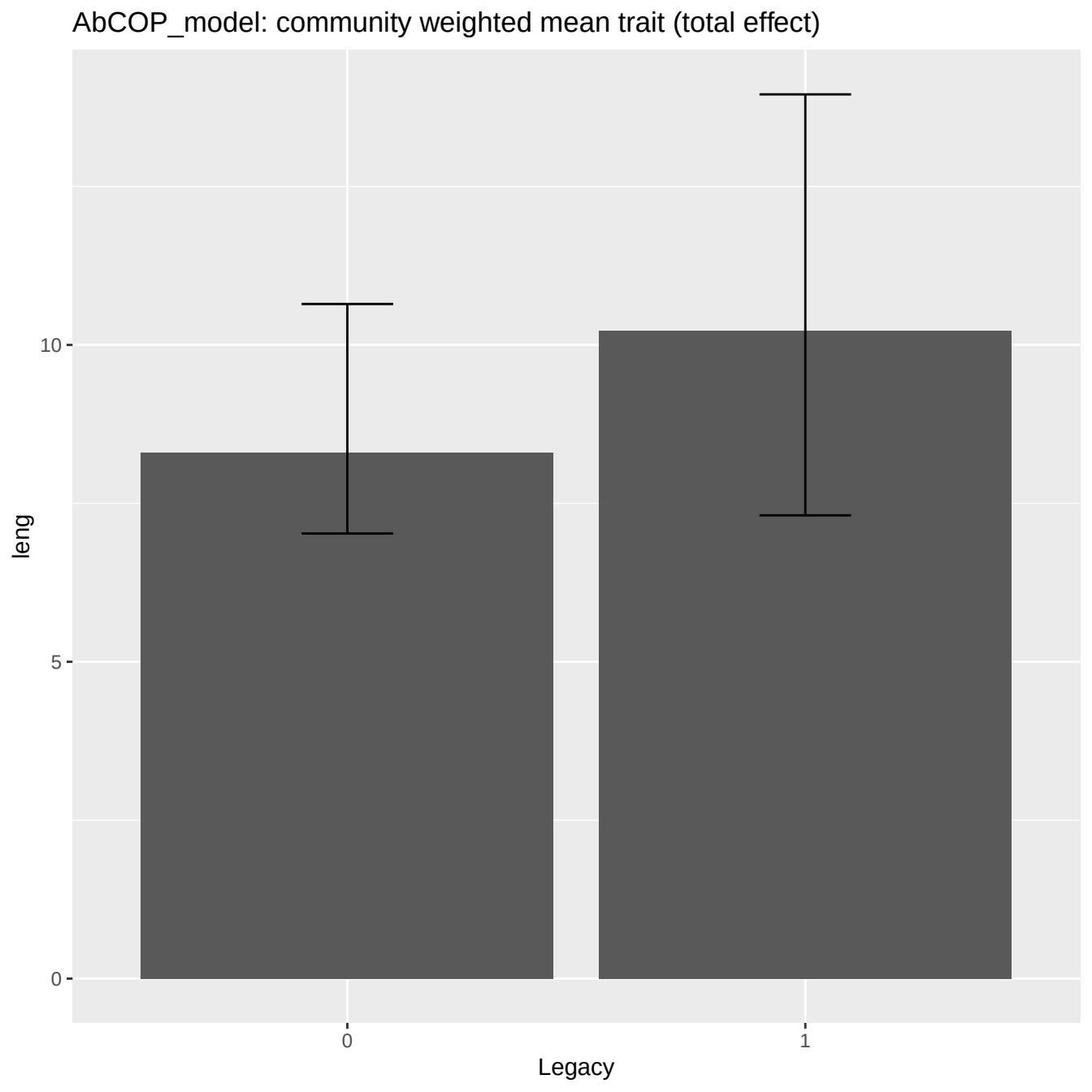

AbCOP_model: community weighted mean trait (marginal effect)
SLA
10
5
0
0
1
Legacy

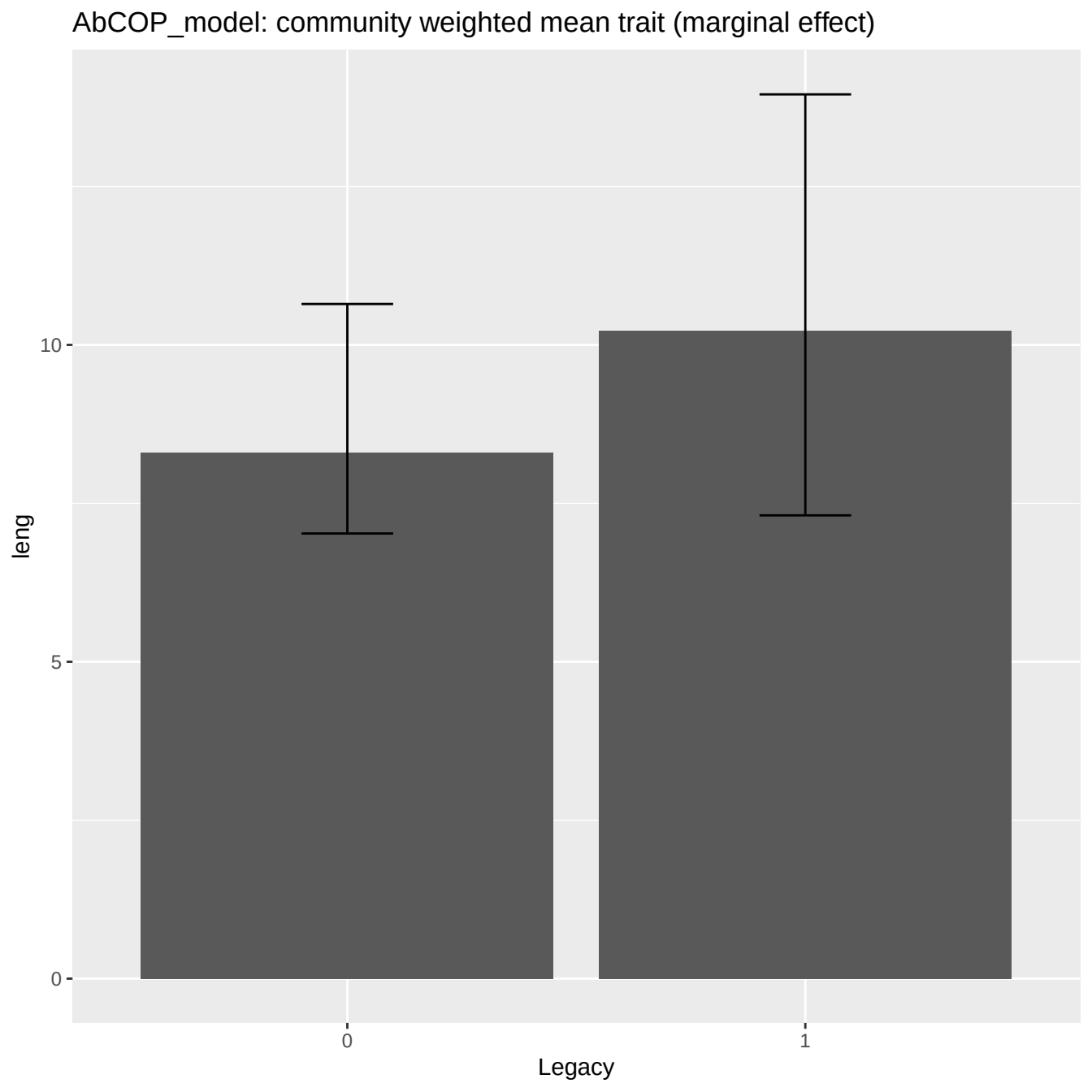

AbCOP_model: community weighted mean trait (total effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Legacy

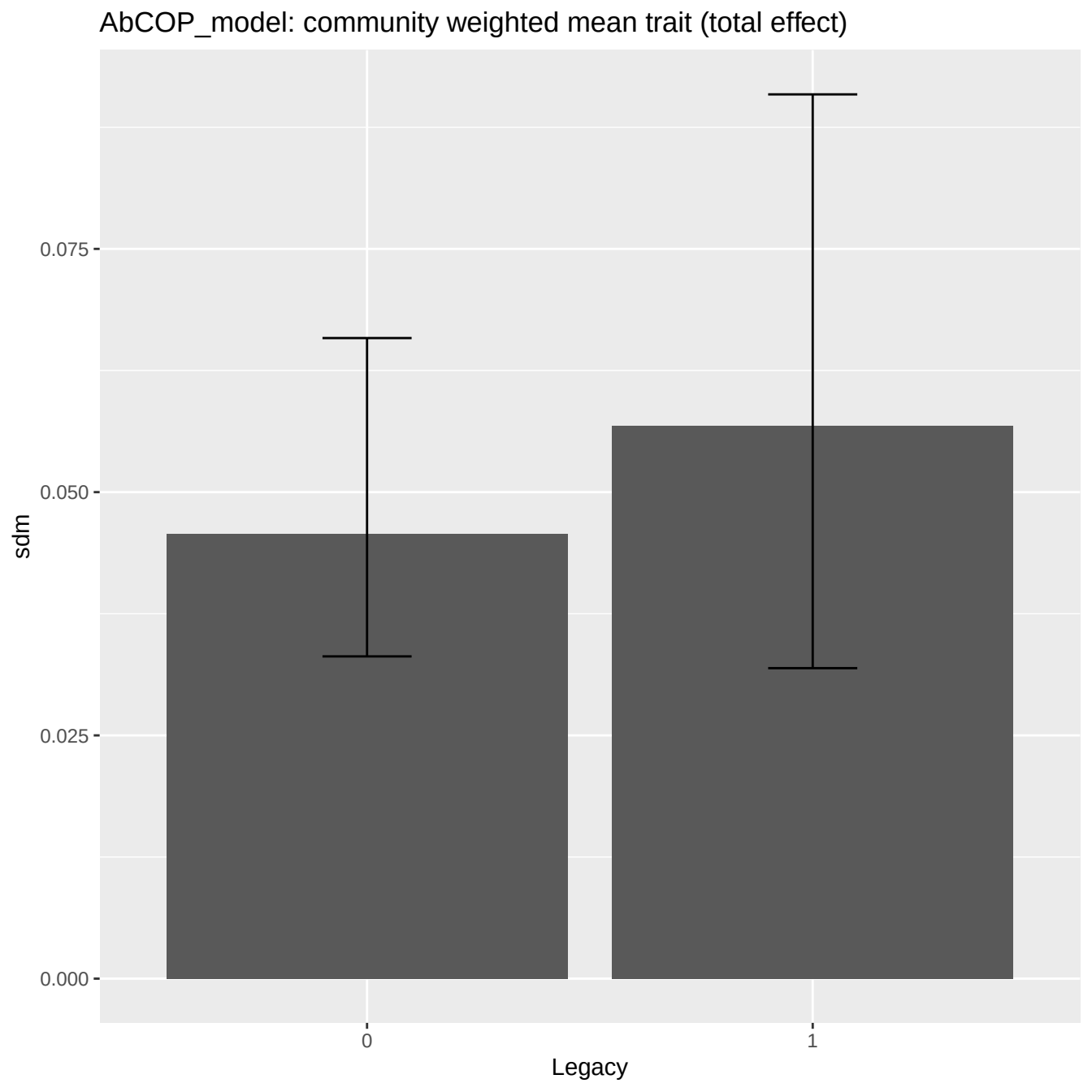

AbCOP_model: community weighted mean trait (marginal effect)
1.00
0.75
0.50
0.25
0.00
Sexual_Systemmonoecious
0
1
Legacy

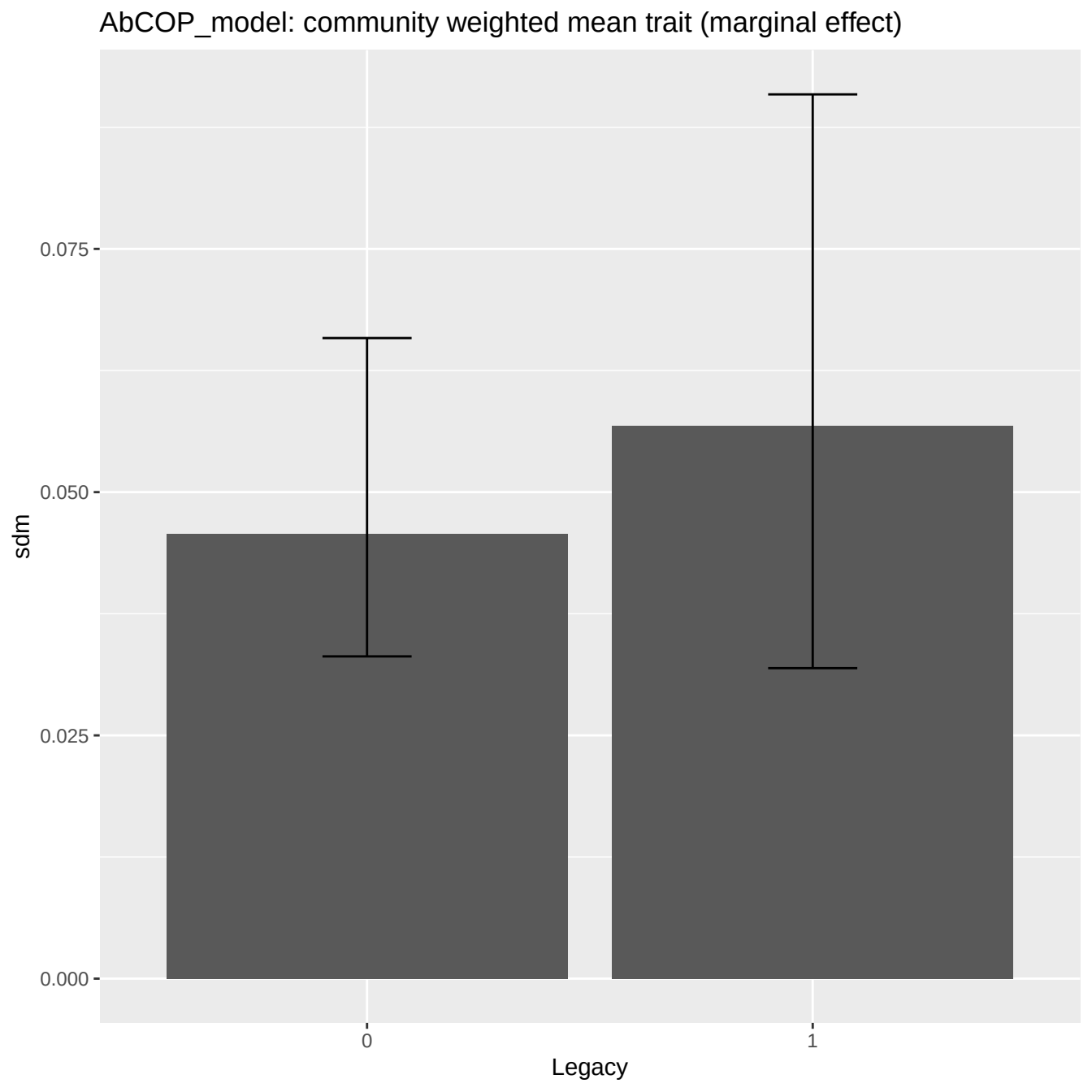

AbCOP_model: community weighted mean trait (total effect)
dispcatMixed
0.00
0.25
0.50
0.75
0
1
Legacy

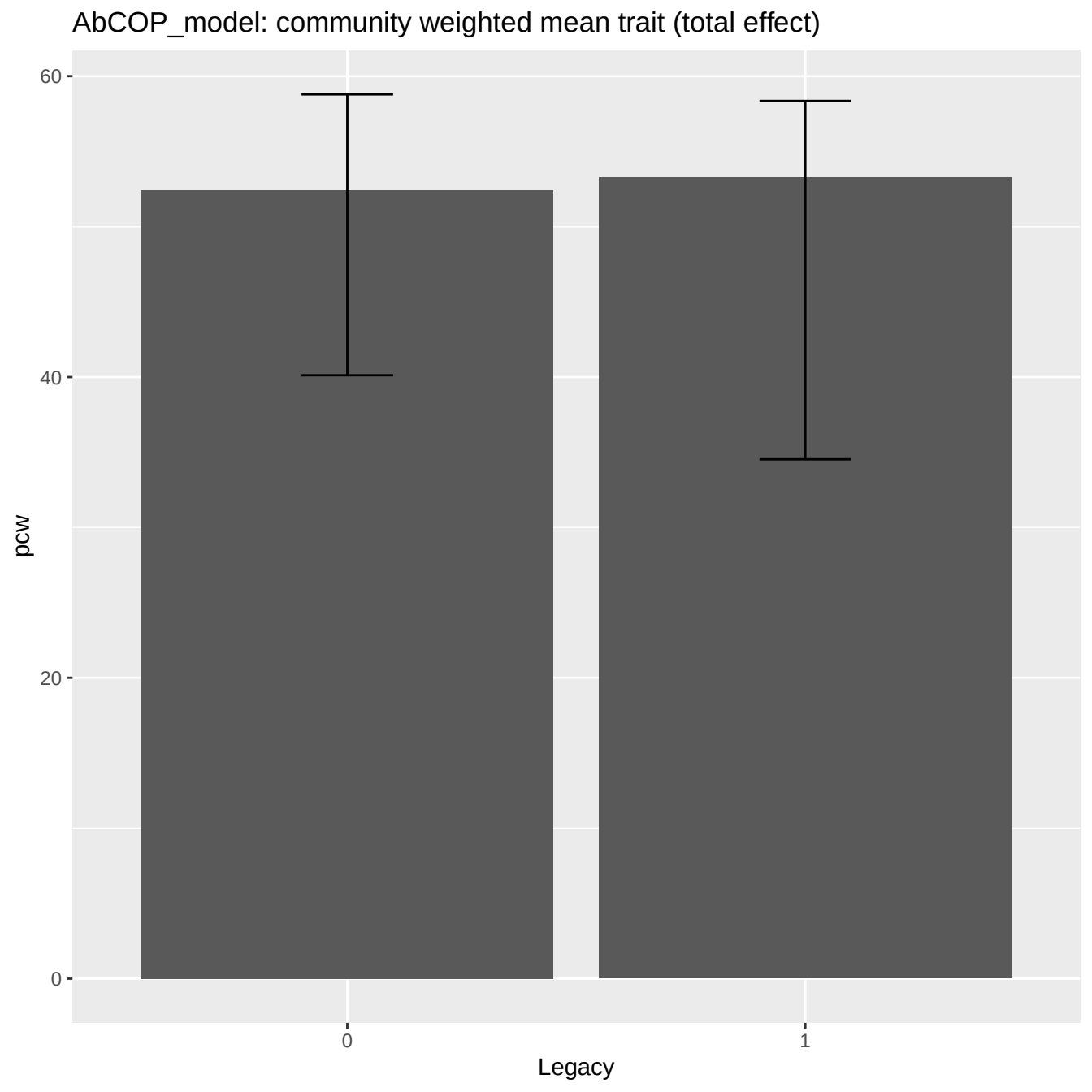

AbCOP_model: community weighted mean trait (marginal effect)
dispcatMixed
0.75
0.50
0.25
0.00
0
1
Legacy

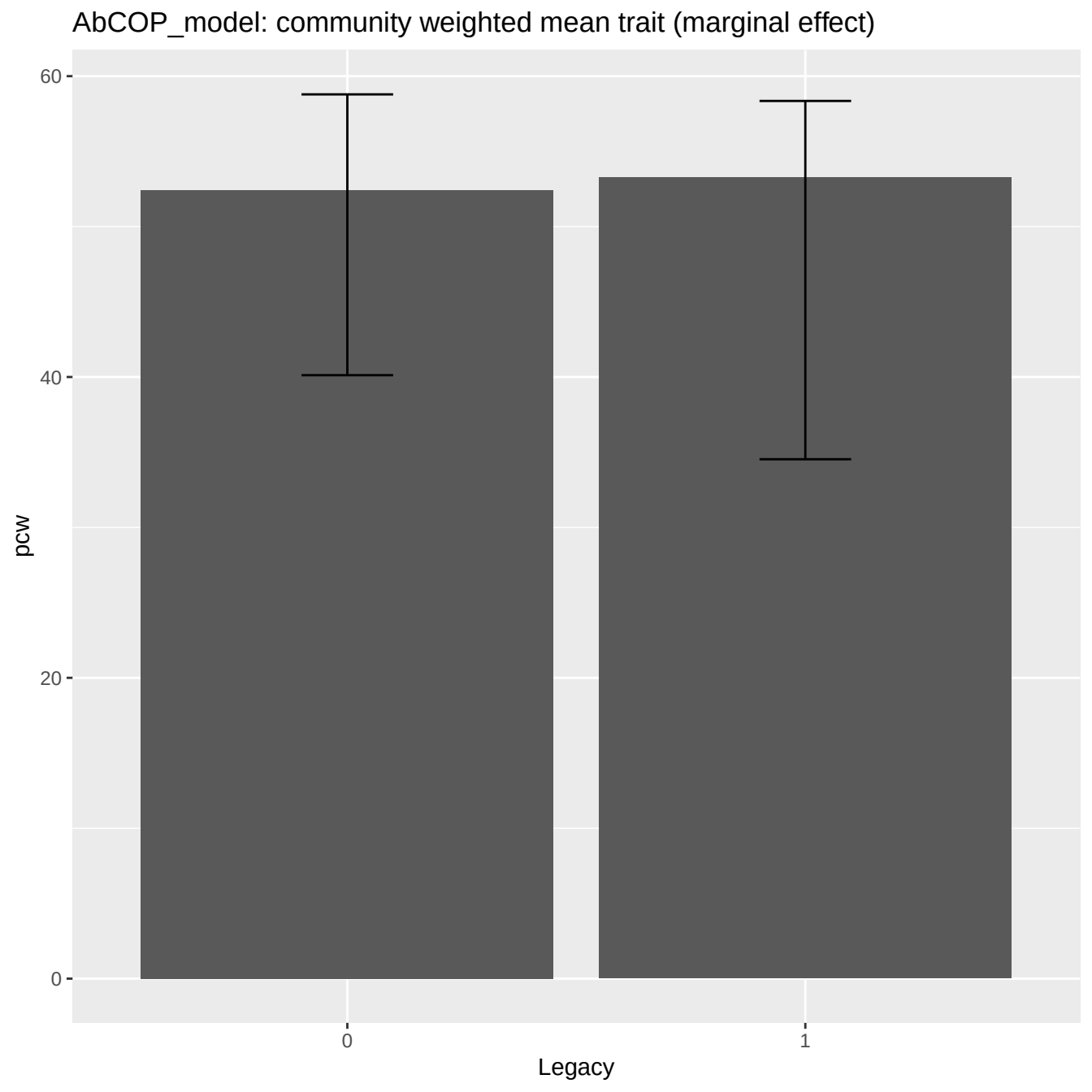

AbCOP_model: community weighted mean trait (total effect)
leng
10
5
0
0
1
Legacy


AbCOP_model: community weighted mean trait (marginal effect)
leng
10
5
0
0
1
Legacy


AbCOP_model: community weighted mean trait (total effect)
sdm
0.075
0.050
0.025
0.000
0
1
Legacy


AbCOP_model: community weighted mean trait (marginal effect)
0.075
0.050
0.025
0.000
sdm
0
1
Legacy


AbCOP_model: community weighted mean trait (total effect)
60
40
20
0
pcw
0
1
Legacy


AbCOP_model: community weighted mean trait (marginal effect)
60
40
20
0
pcw
0
1
Legacy