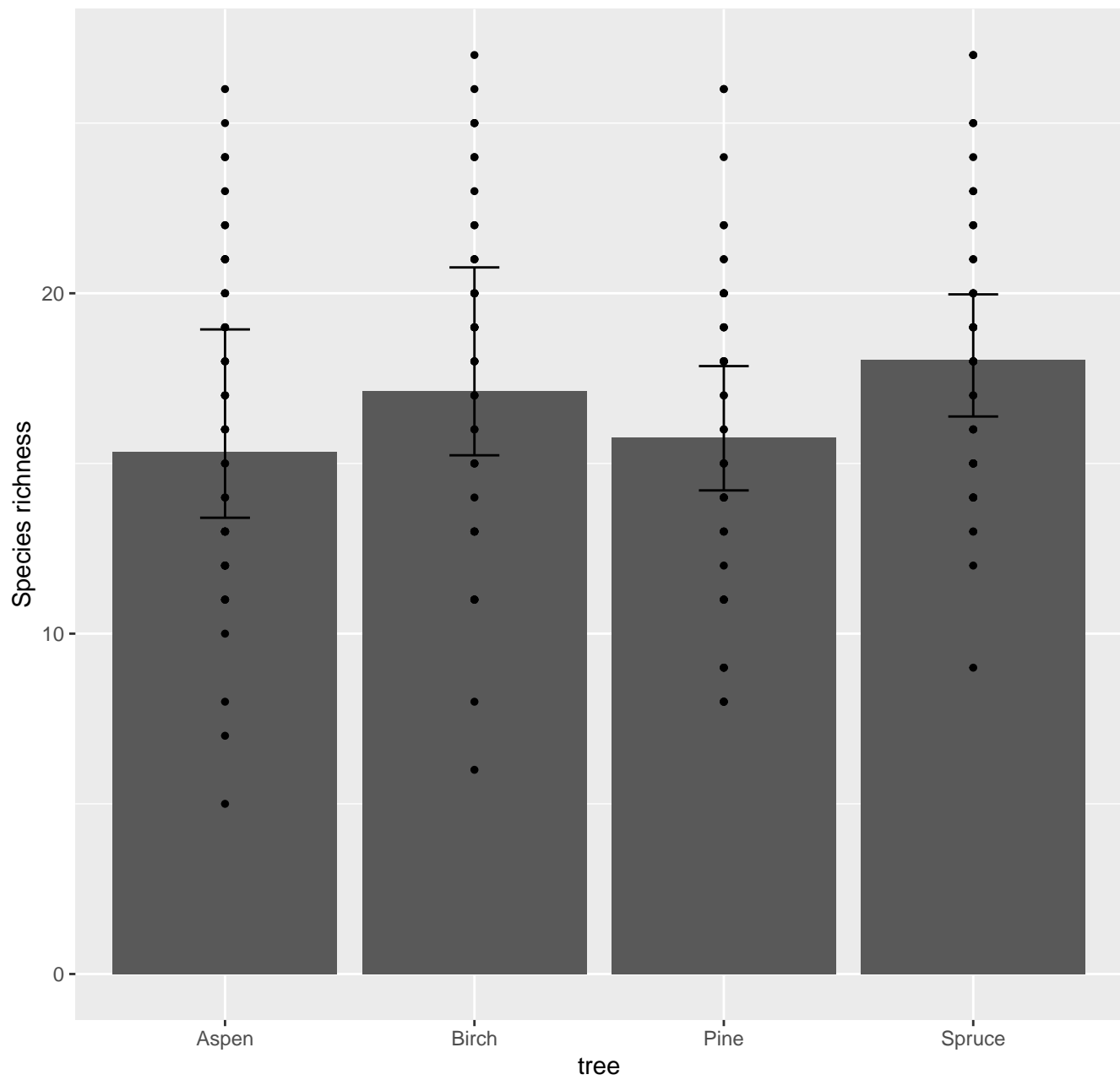
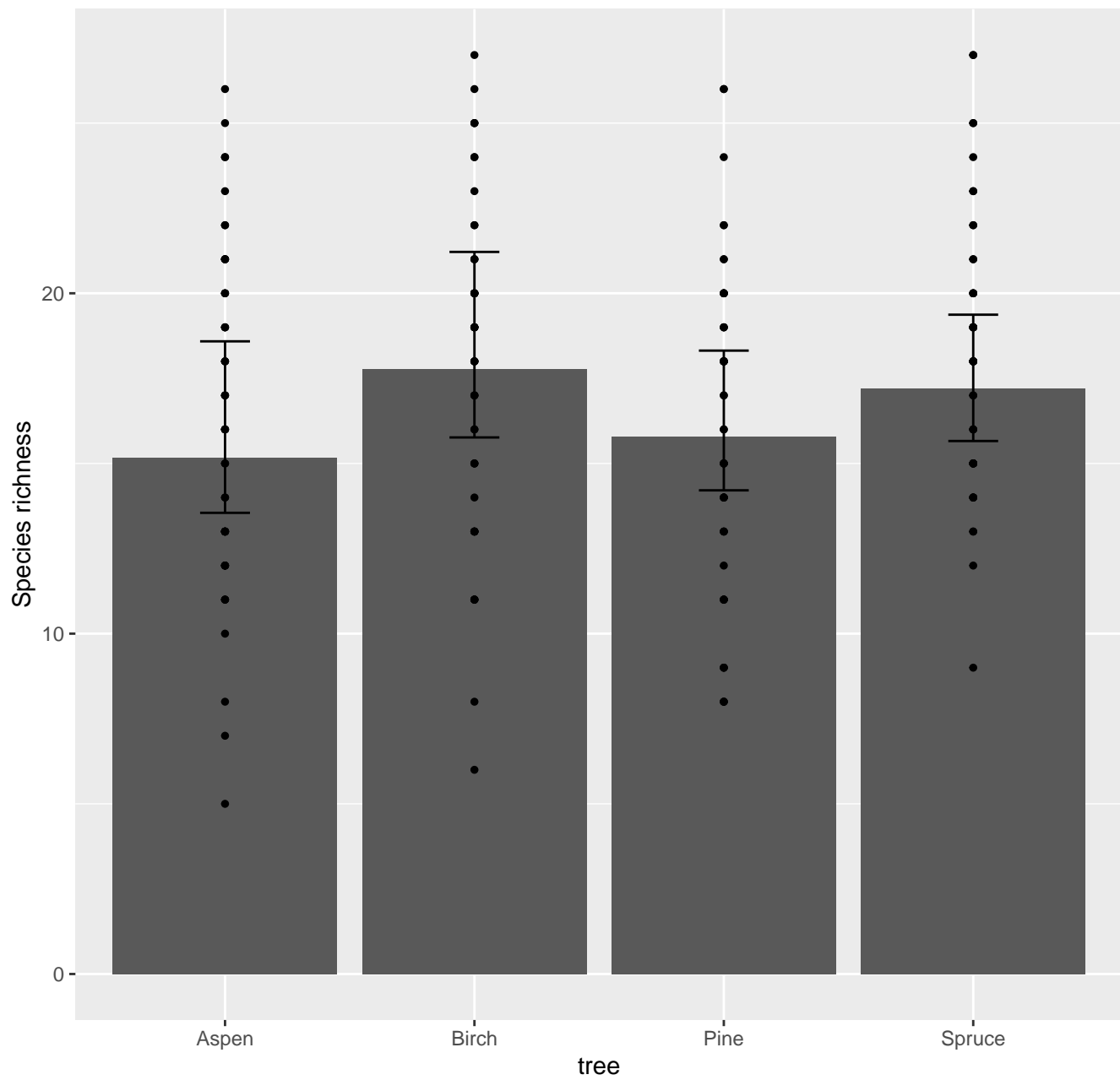


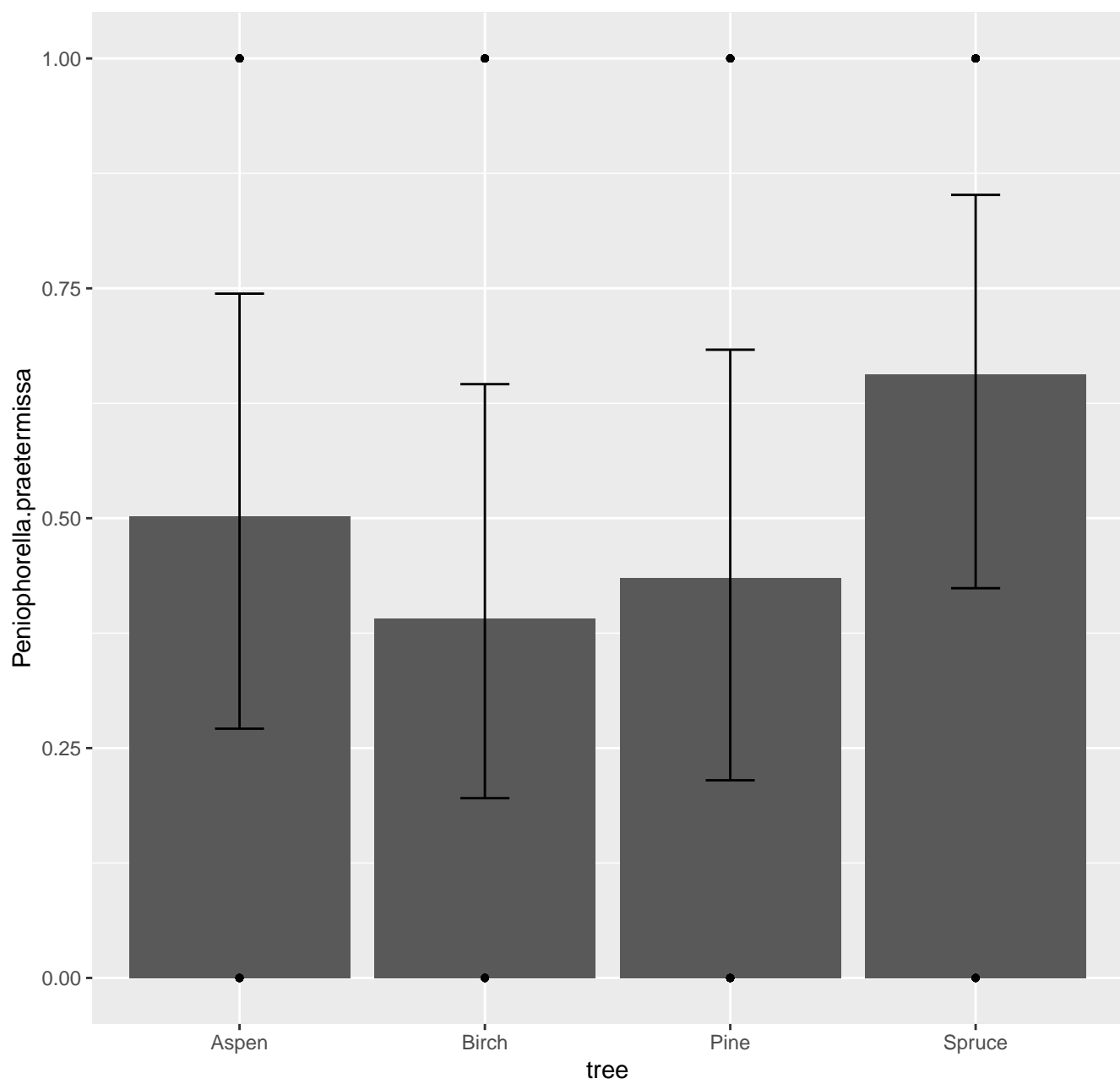
presence-absence model: summed response (total effect)



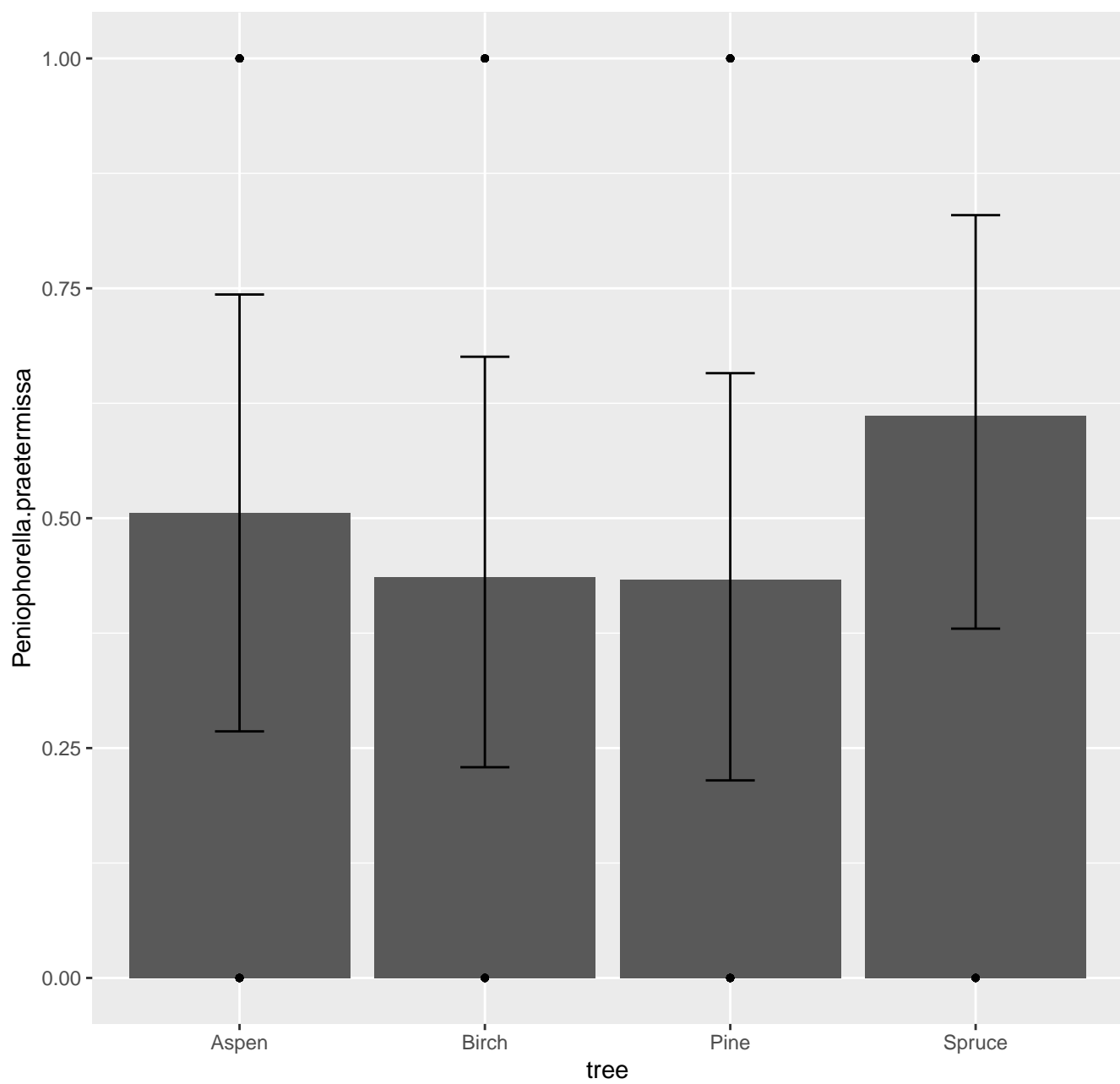
presence-absence model: summed response (marginal effect)



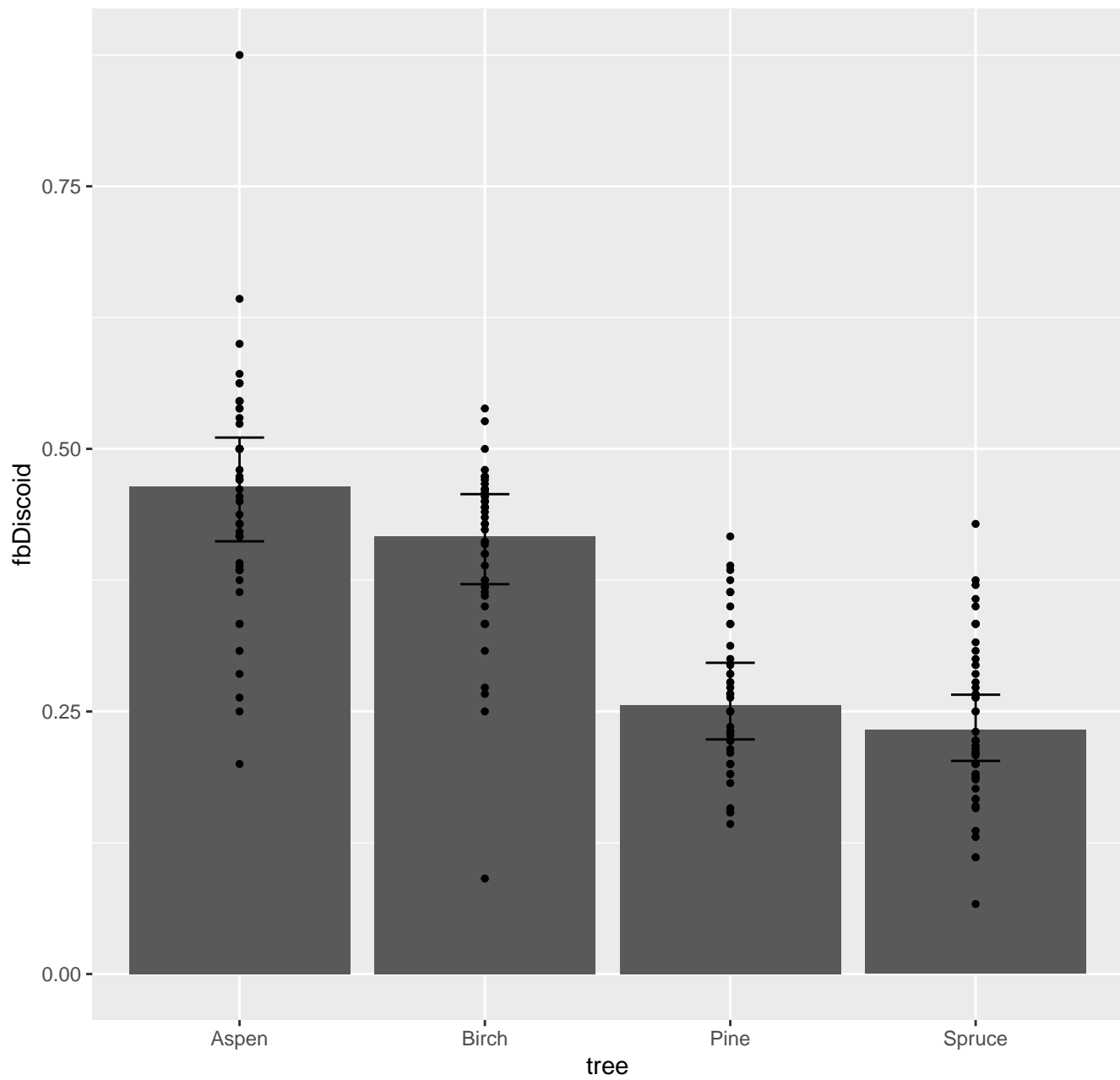
presence-absence model: example species (total effect)



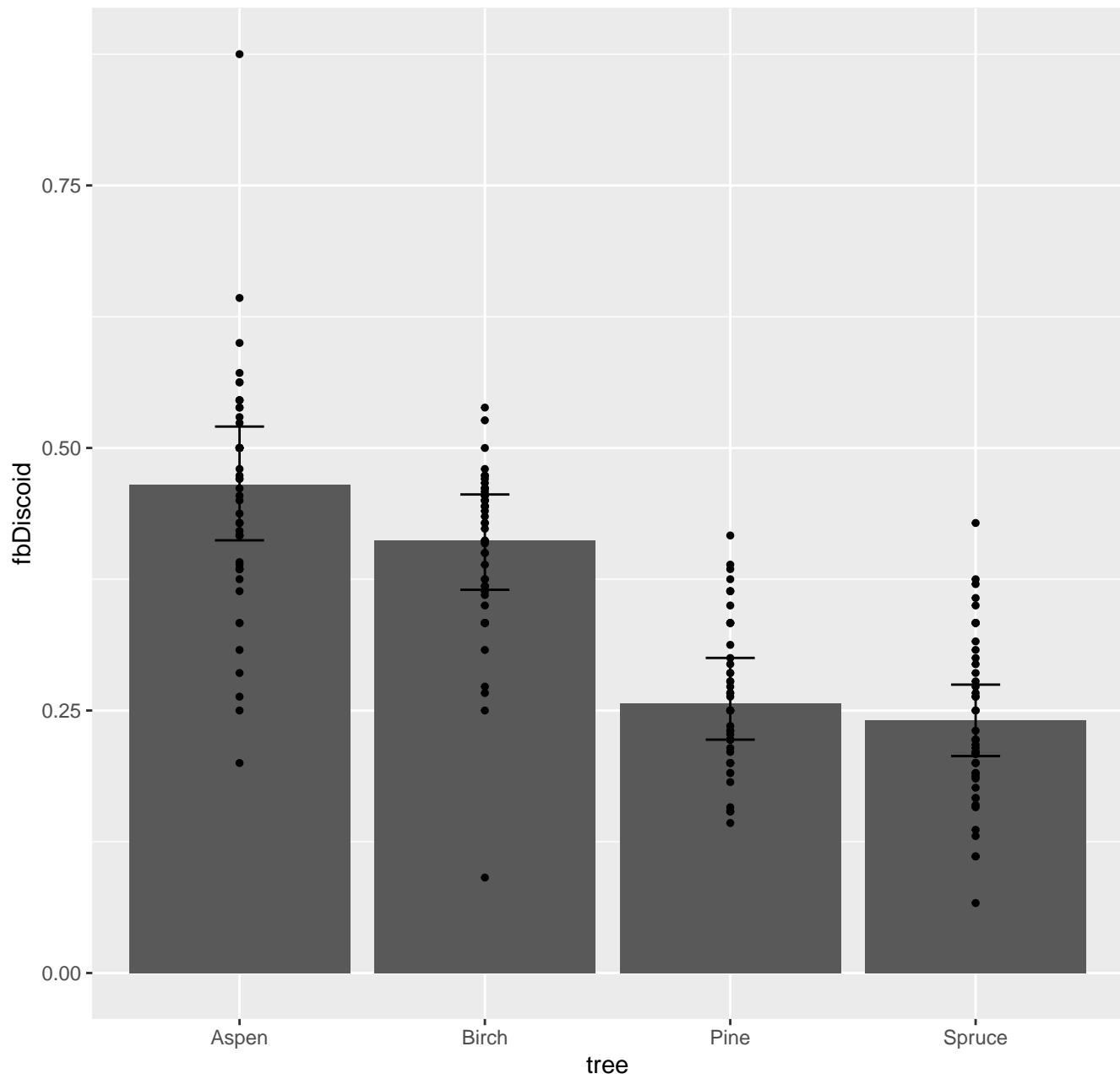
presence-absence model: example species (marginal effect)



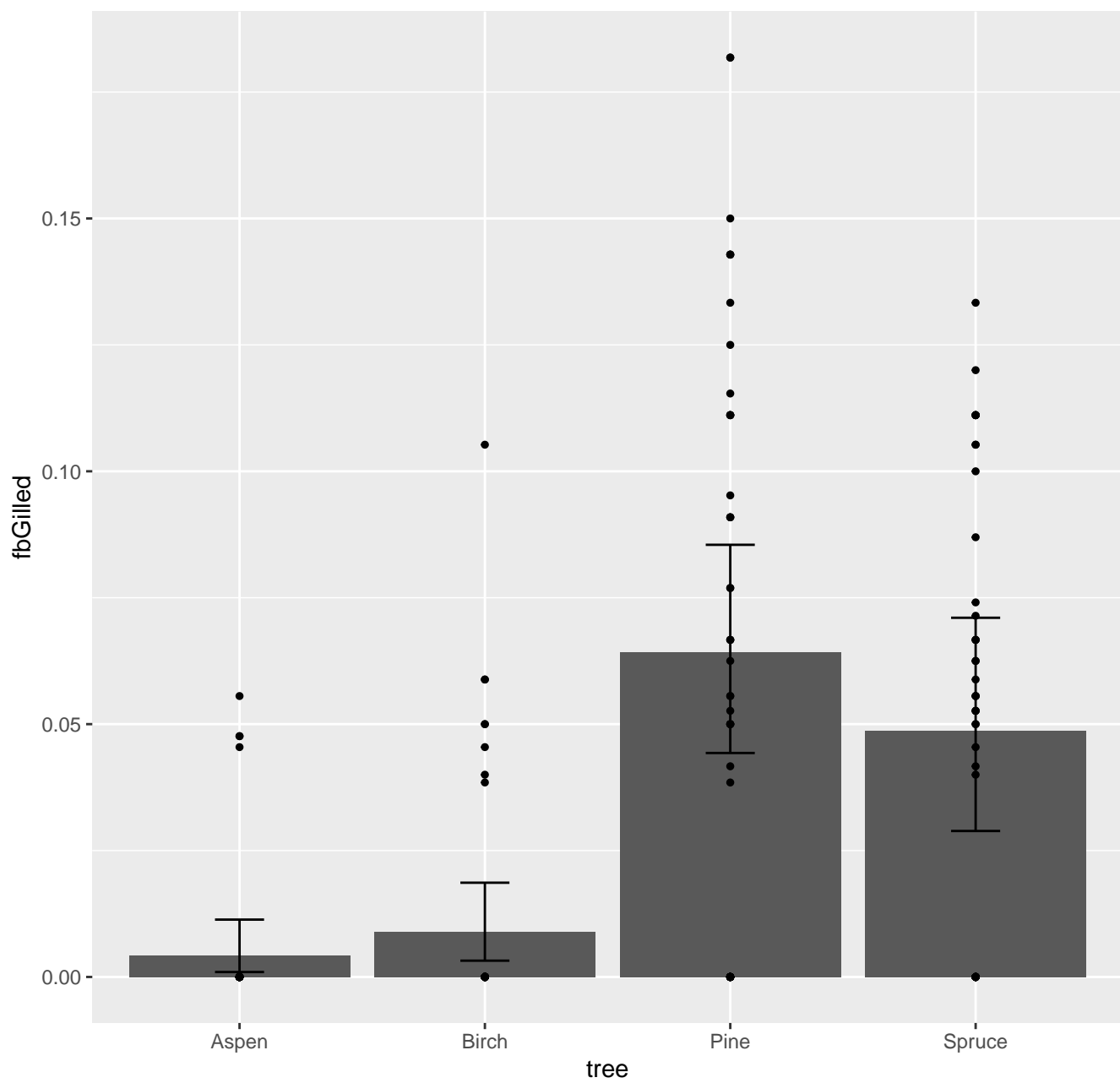
presence-absence model: community weighted mean trait (total effect)



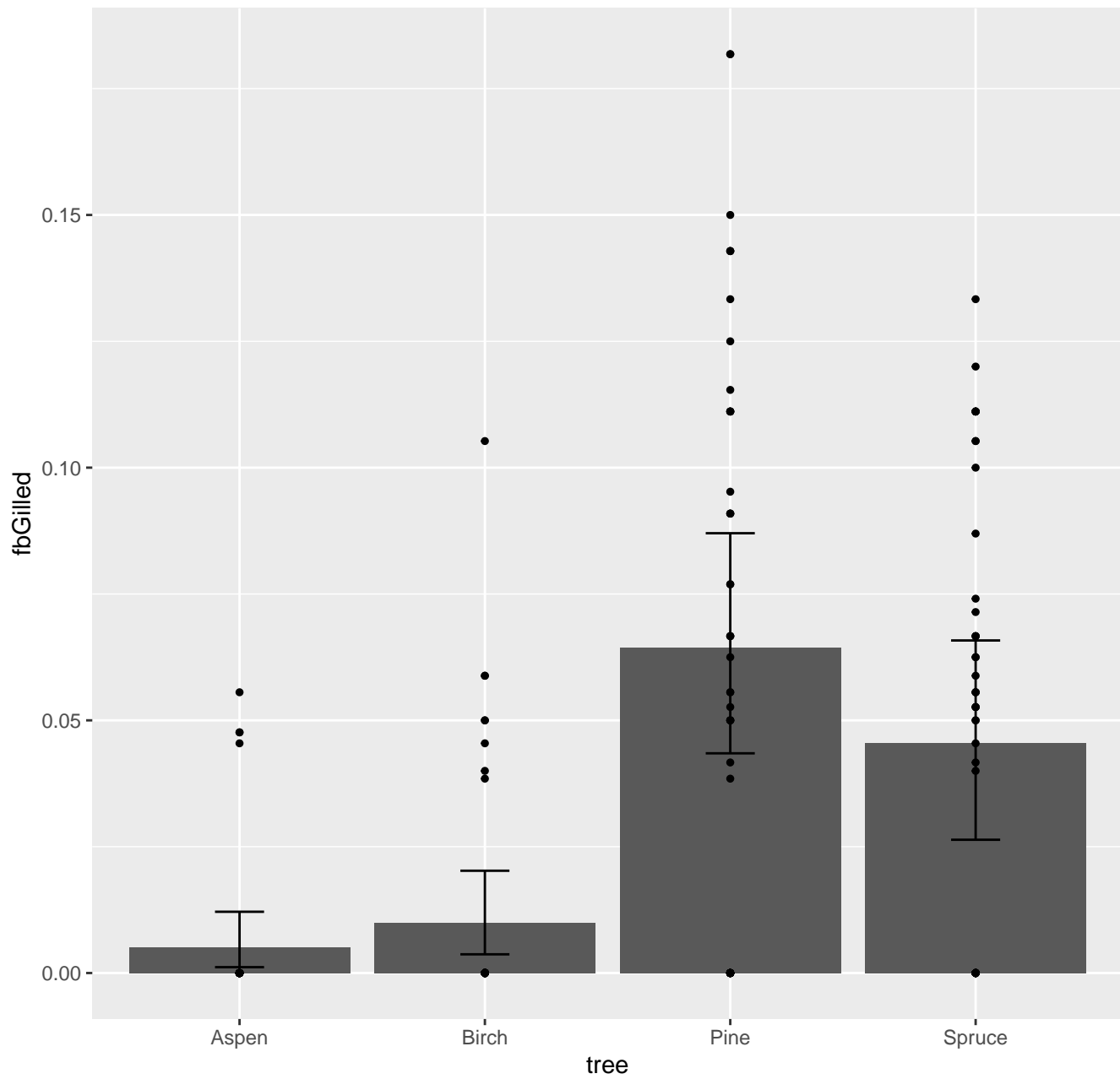
presence-absence model: community weighted mean trait (marginal effect)



presence-absence model: community weighted mean trait (total effect)

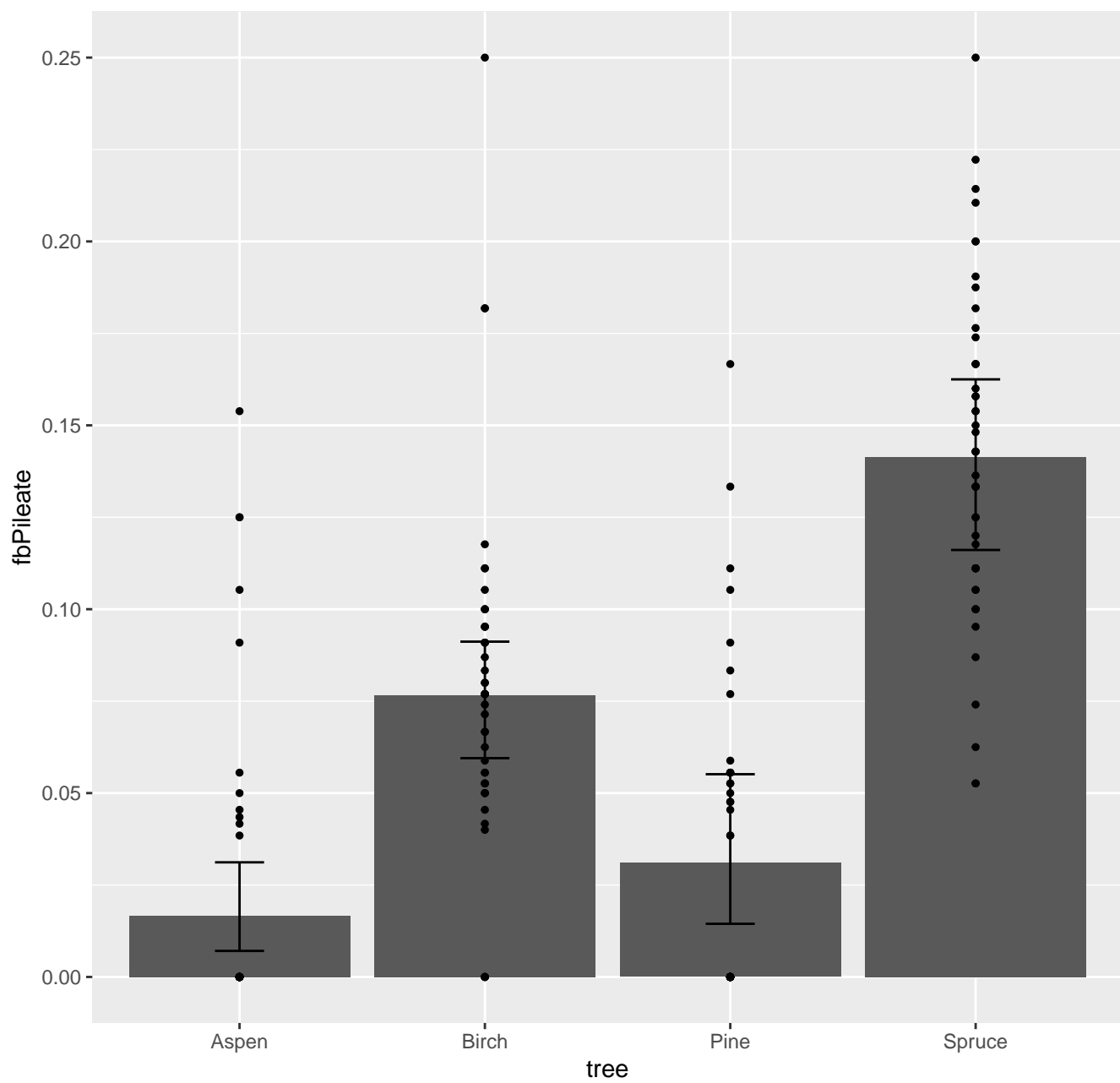


presence-absence model: community weighted mean trait (marginal effect)

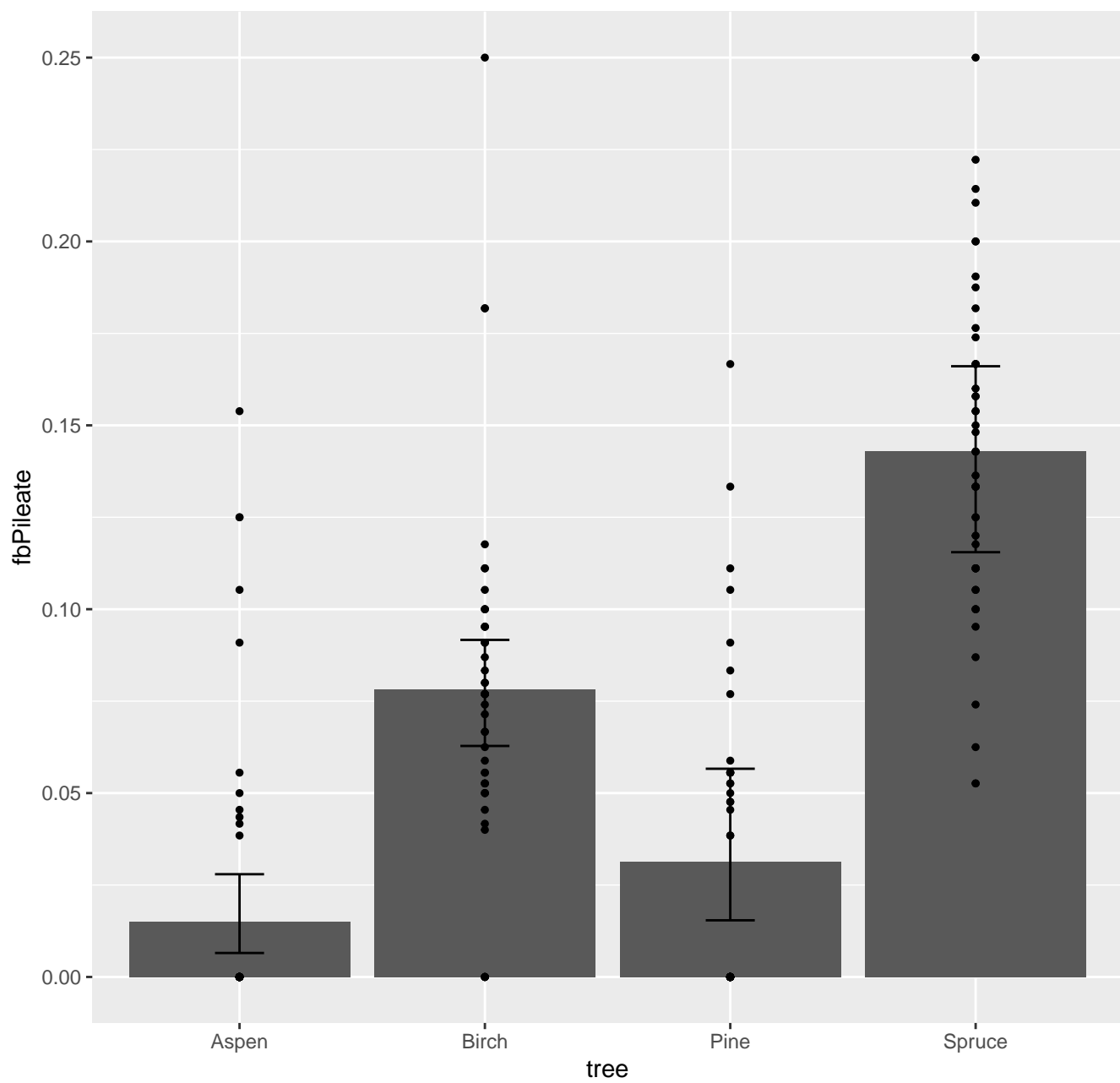




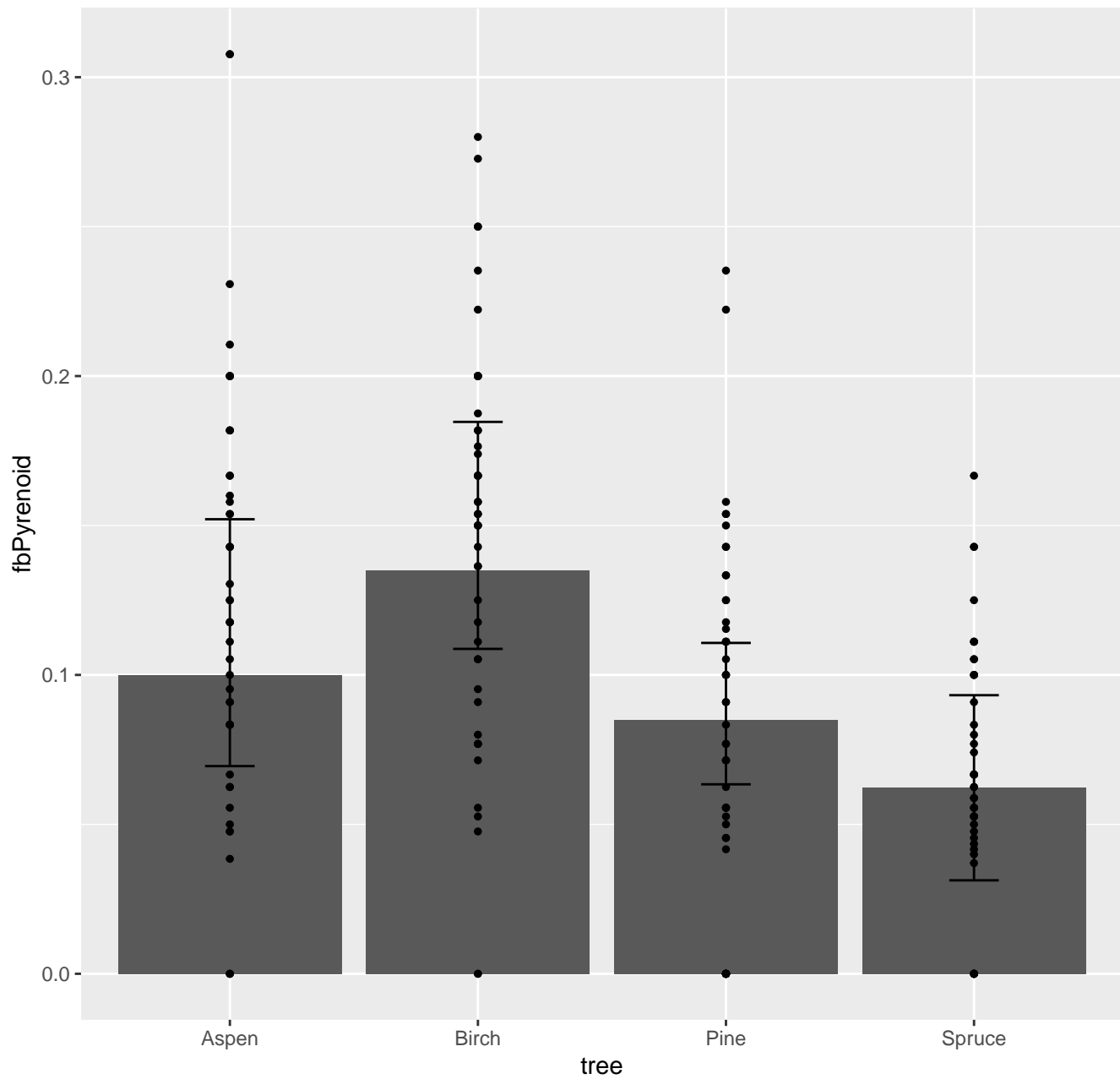
presence-absence model: community weighted mean trait (total effect)



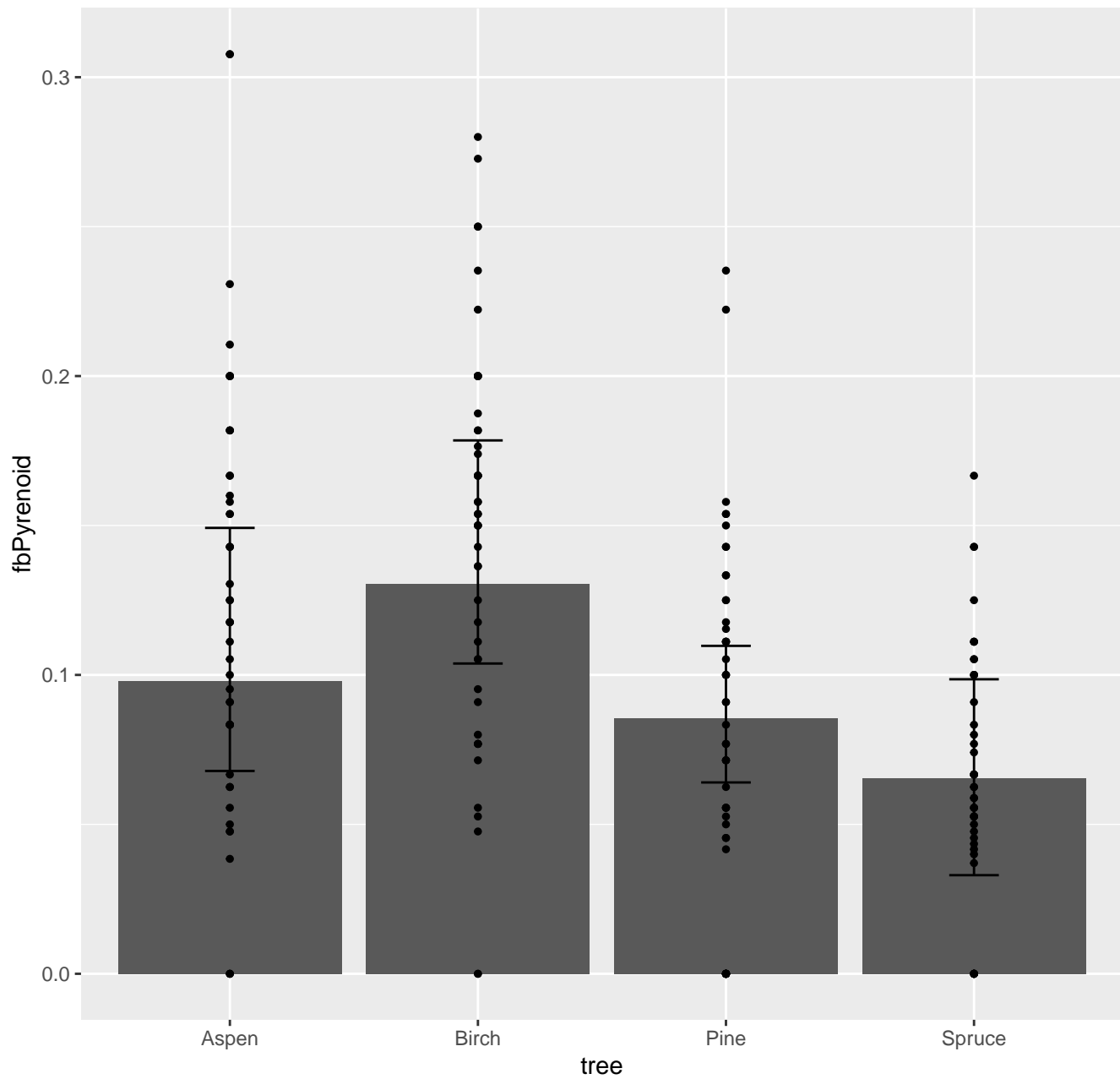
presence-absence model: community weighted mean trait (marginal effect)



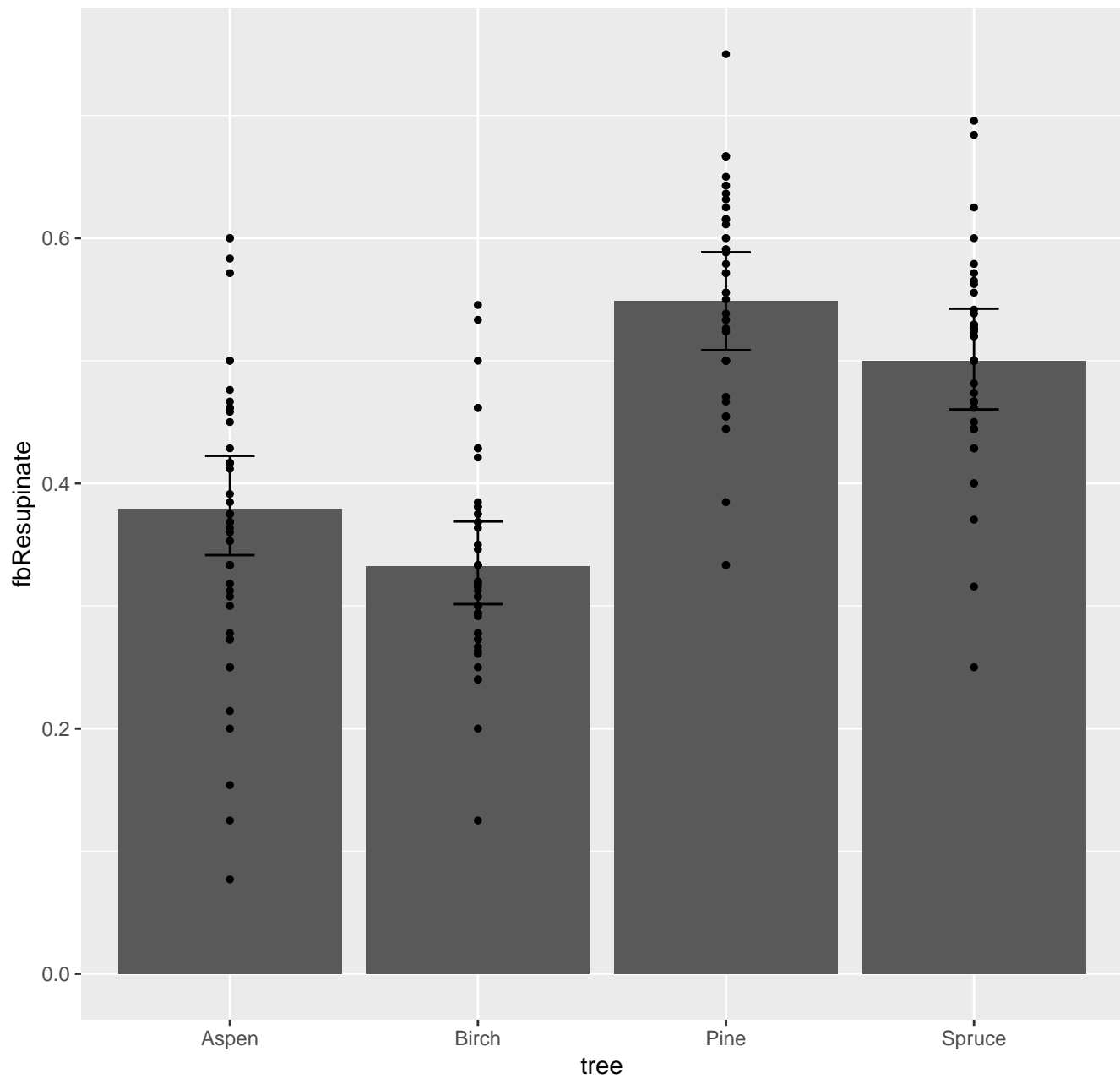
presence-absence model: community weighted mean trait (total effect)



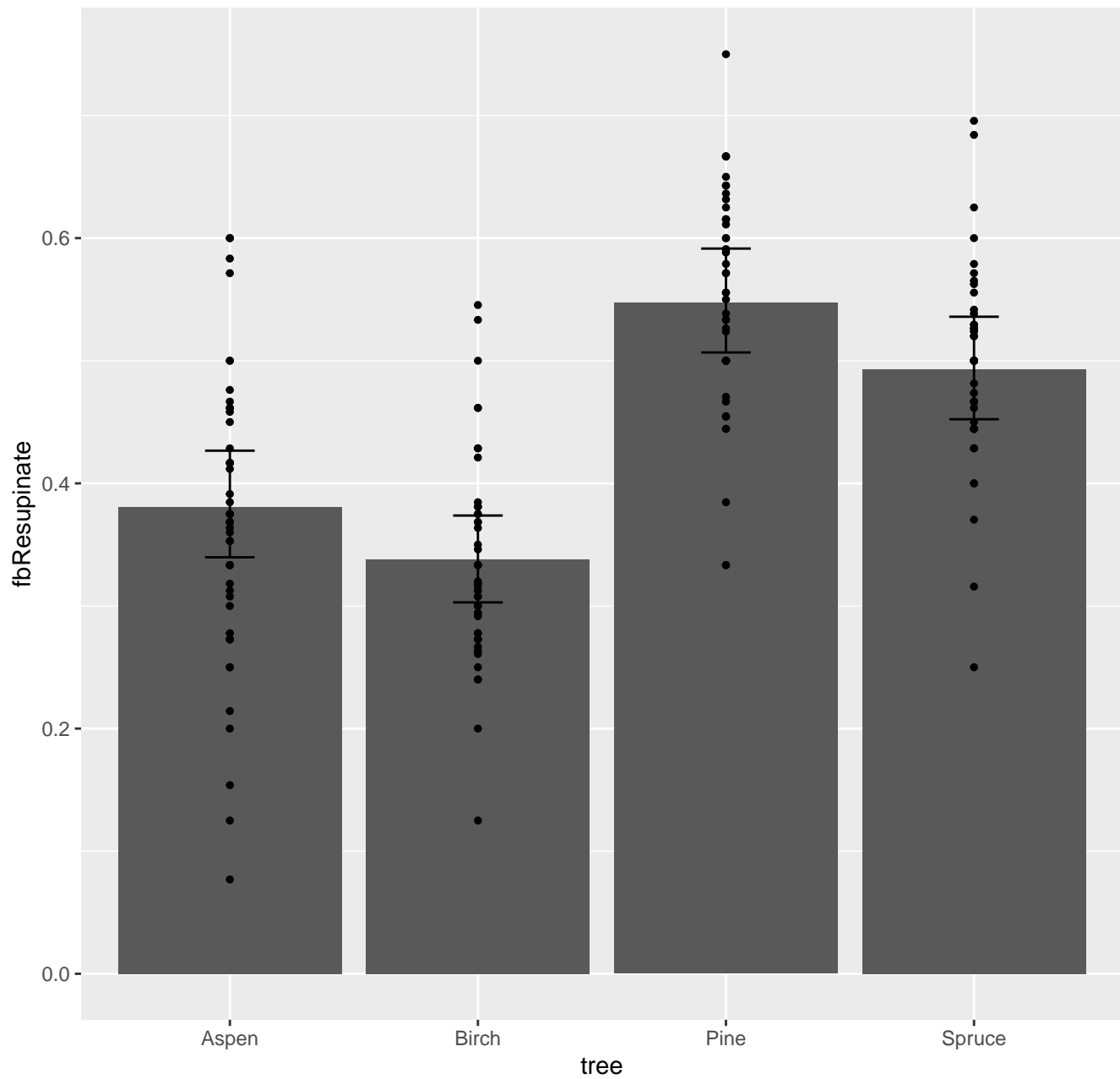
presence-absence model: community weighted mean trait (marginal effect)



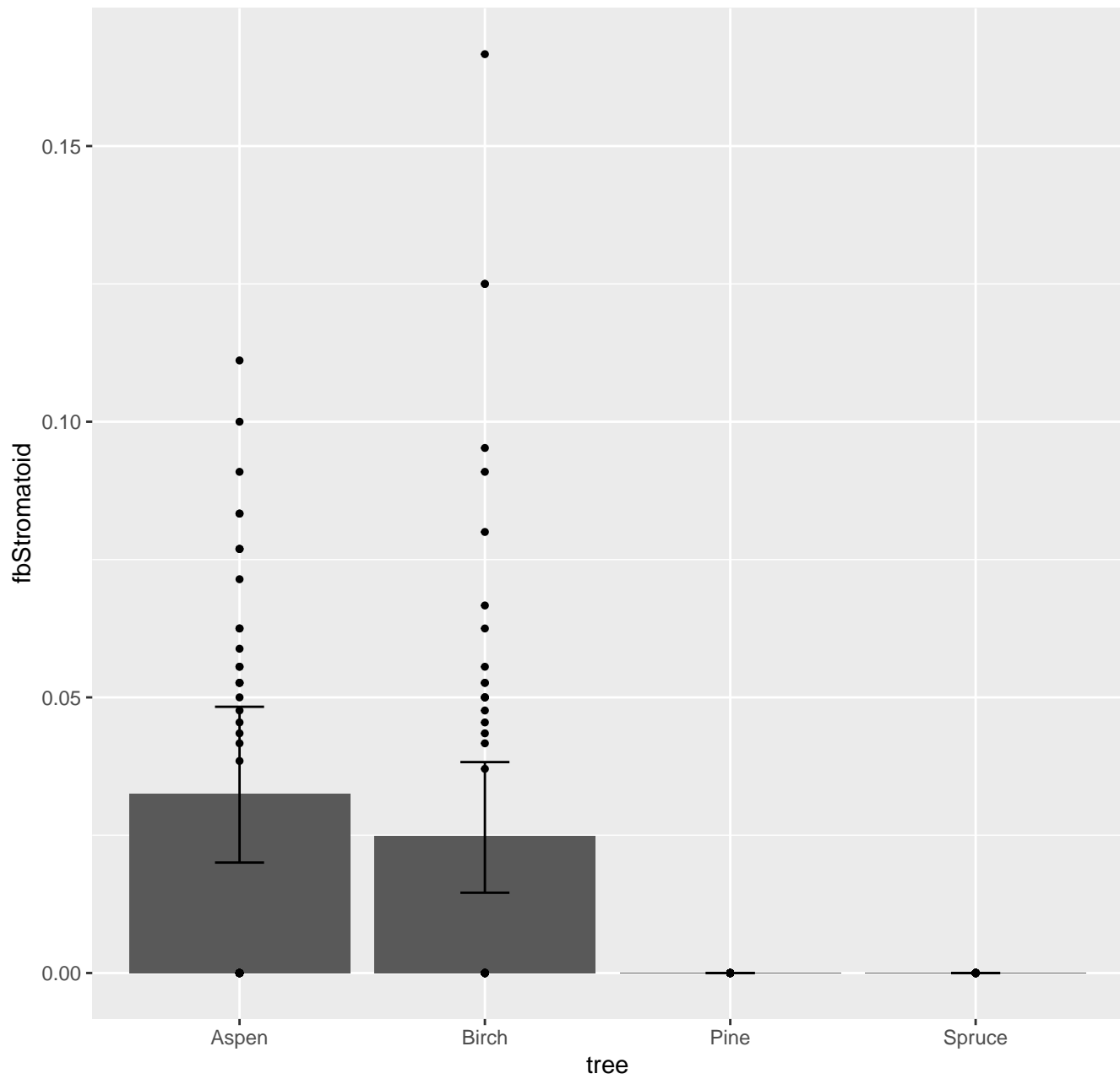
presence-absence model: community weighted mean trait (total effect)



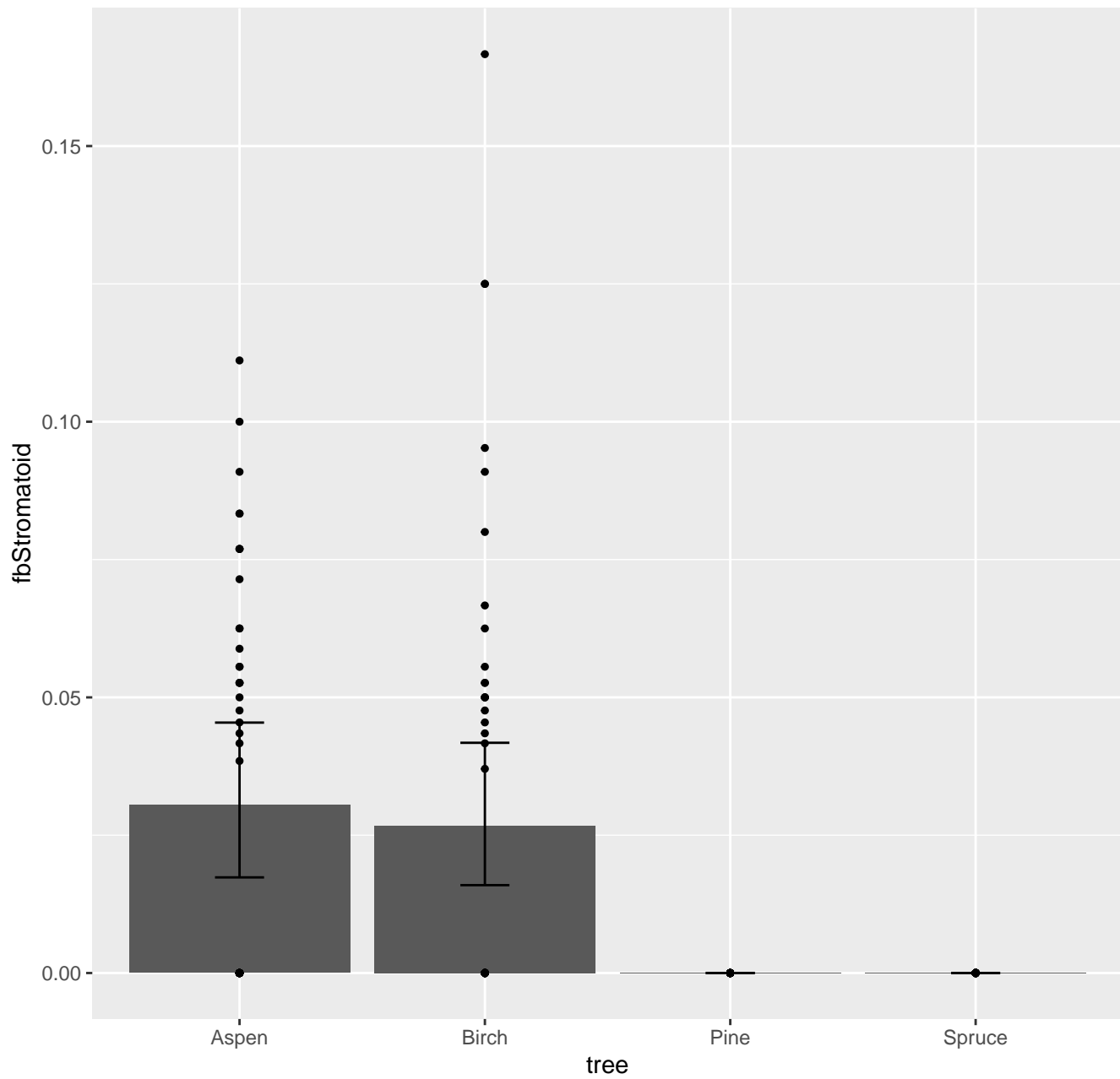
presence-absence model: community weighted mean trait (marginal effect)



presence-absence model: community weighted mean trait (total effect)

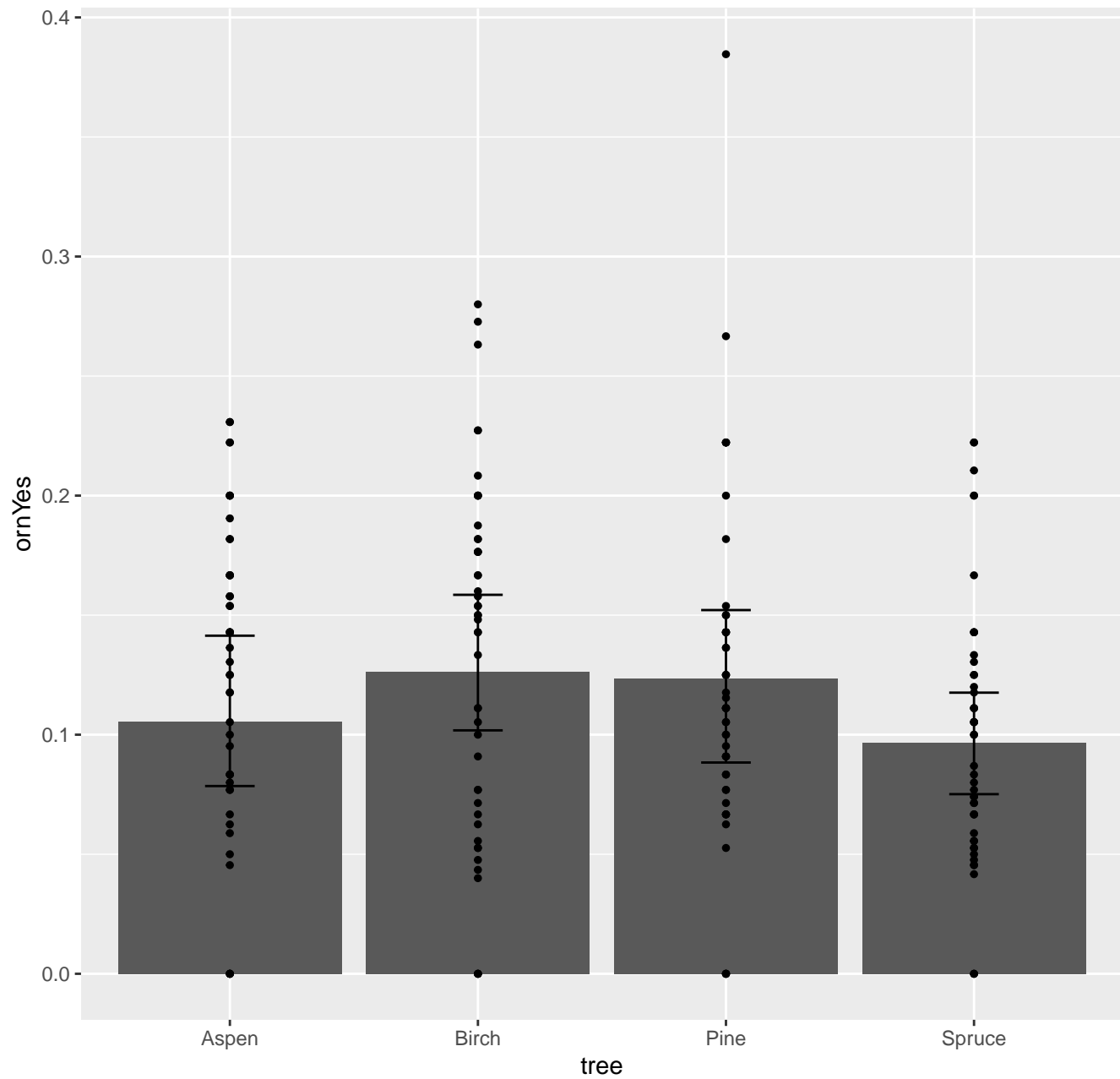


presence-absence model: community weighted mean trait (marginal effect)

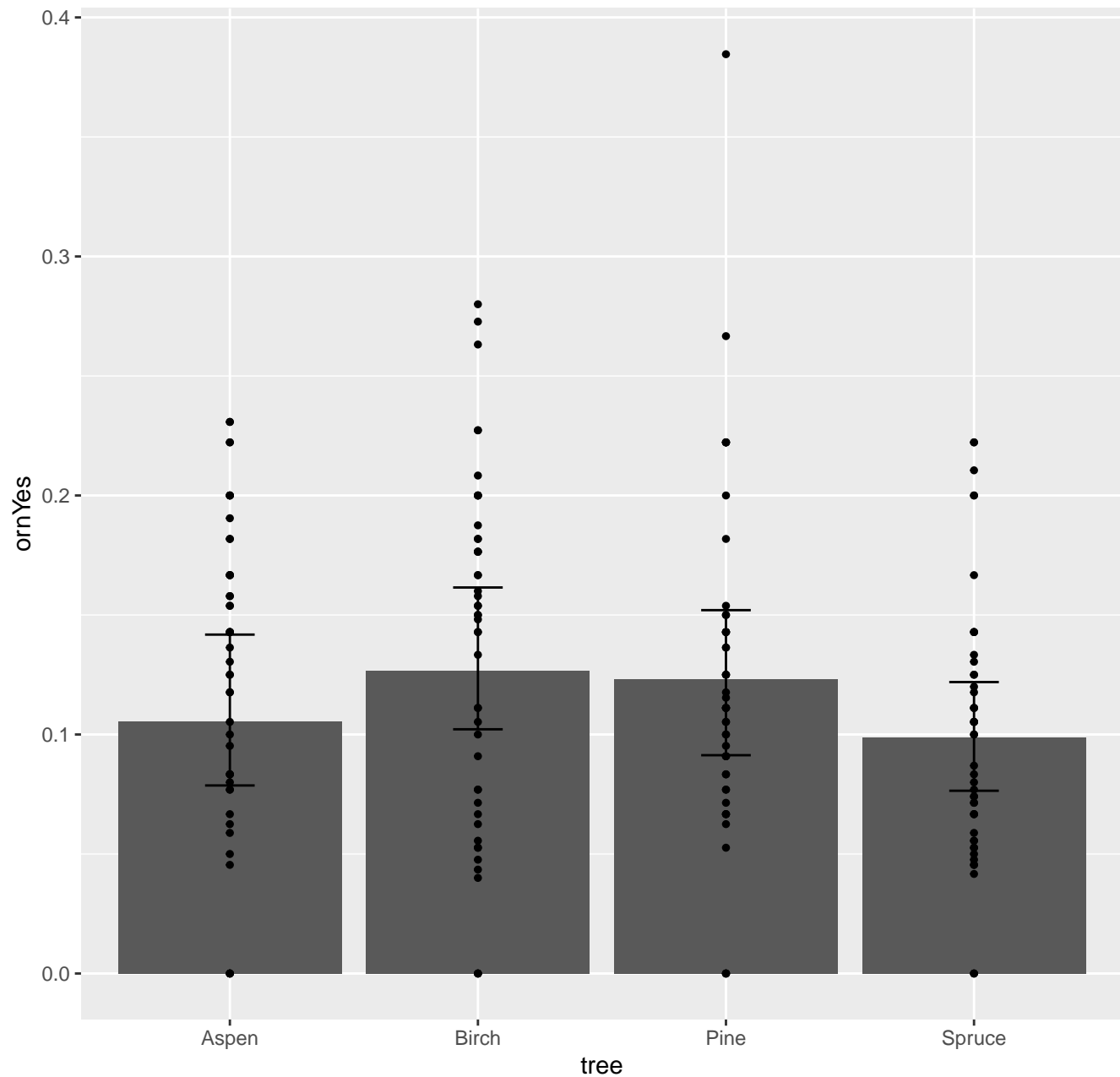




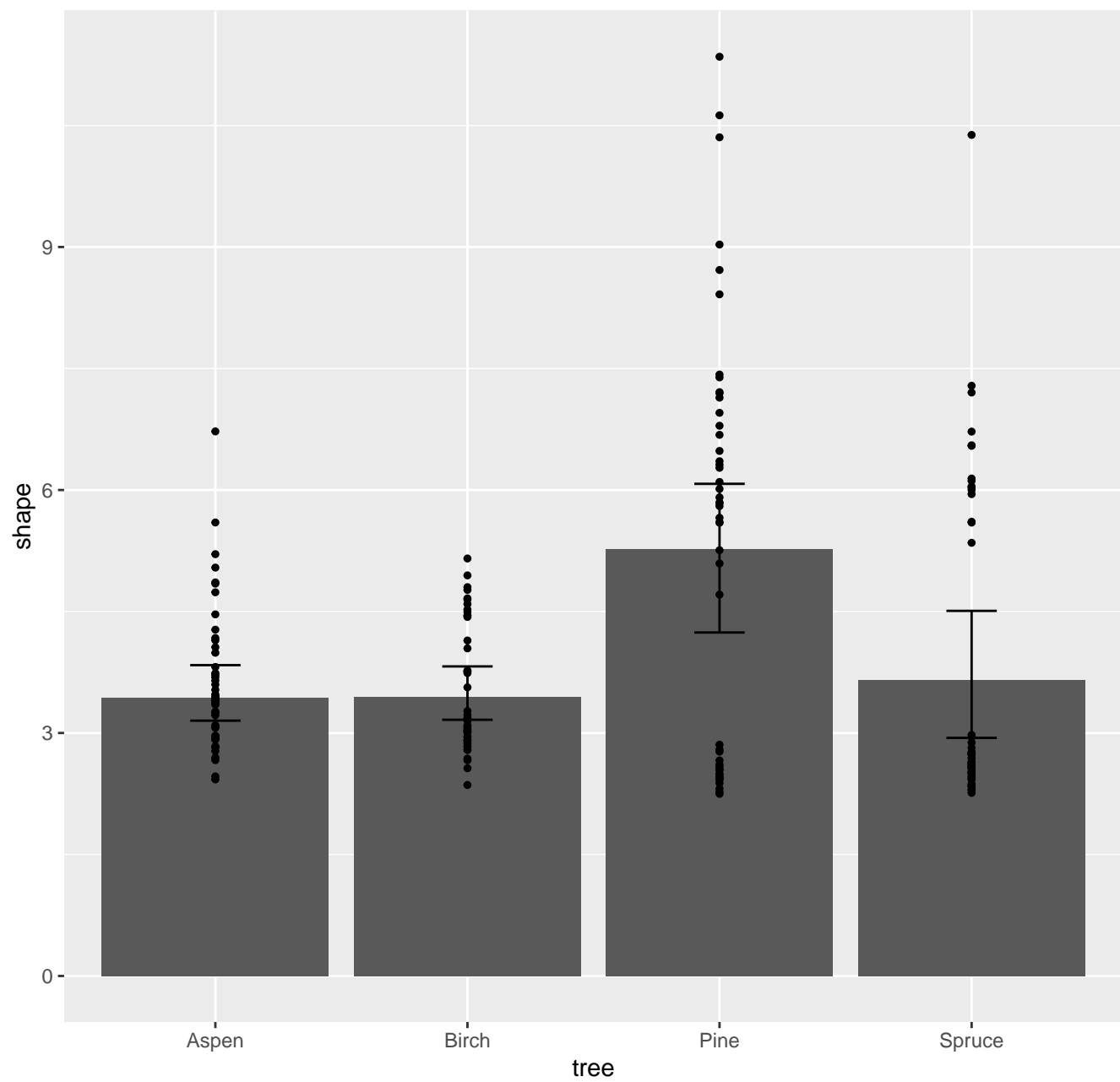
presence-absence model: community weighted mean trait (total effect)



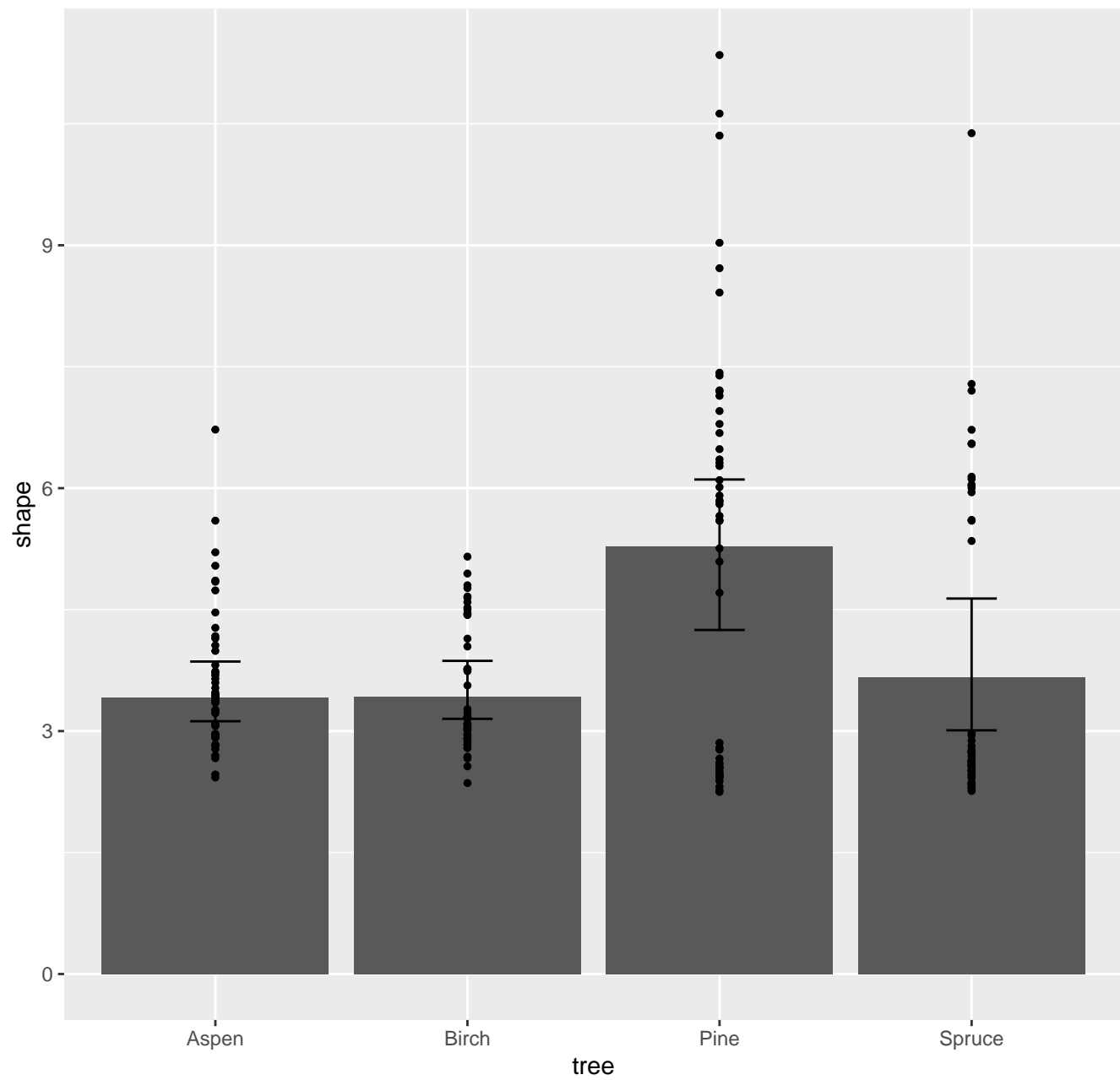
presence-absence model: community weighted mean trait (marginal effect)



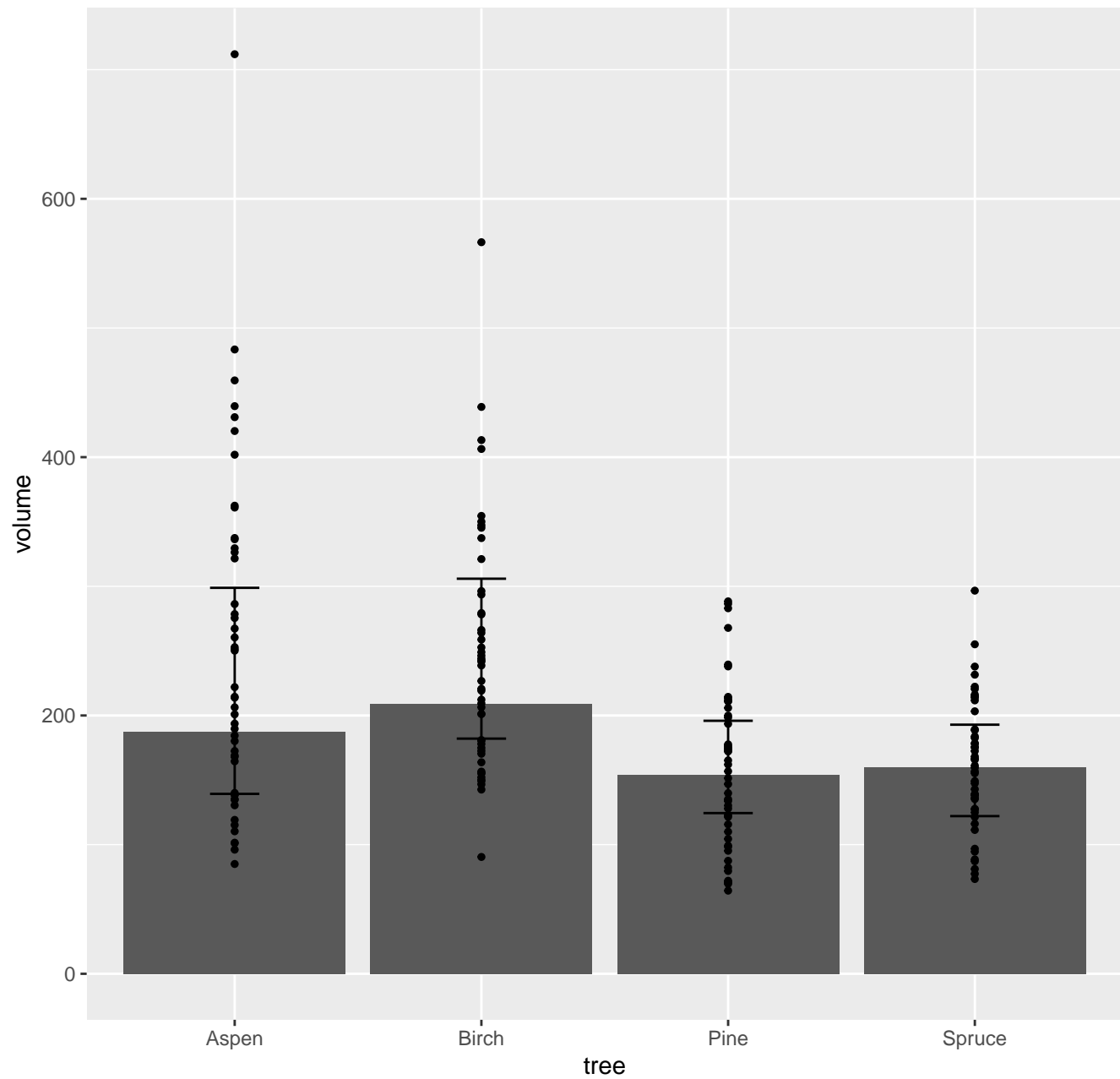
presence-absence model: community weighted mean trait (total effect)



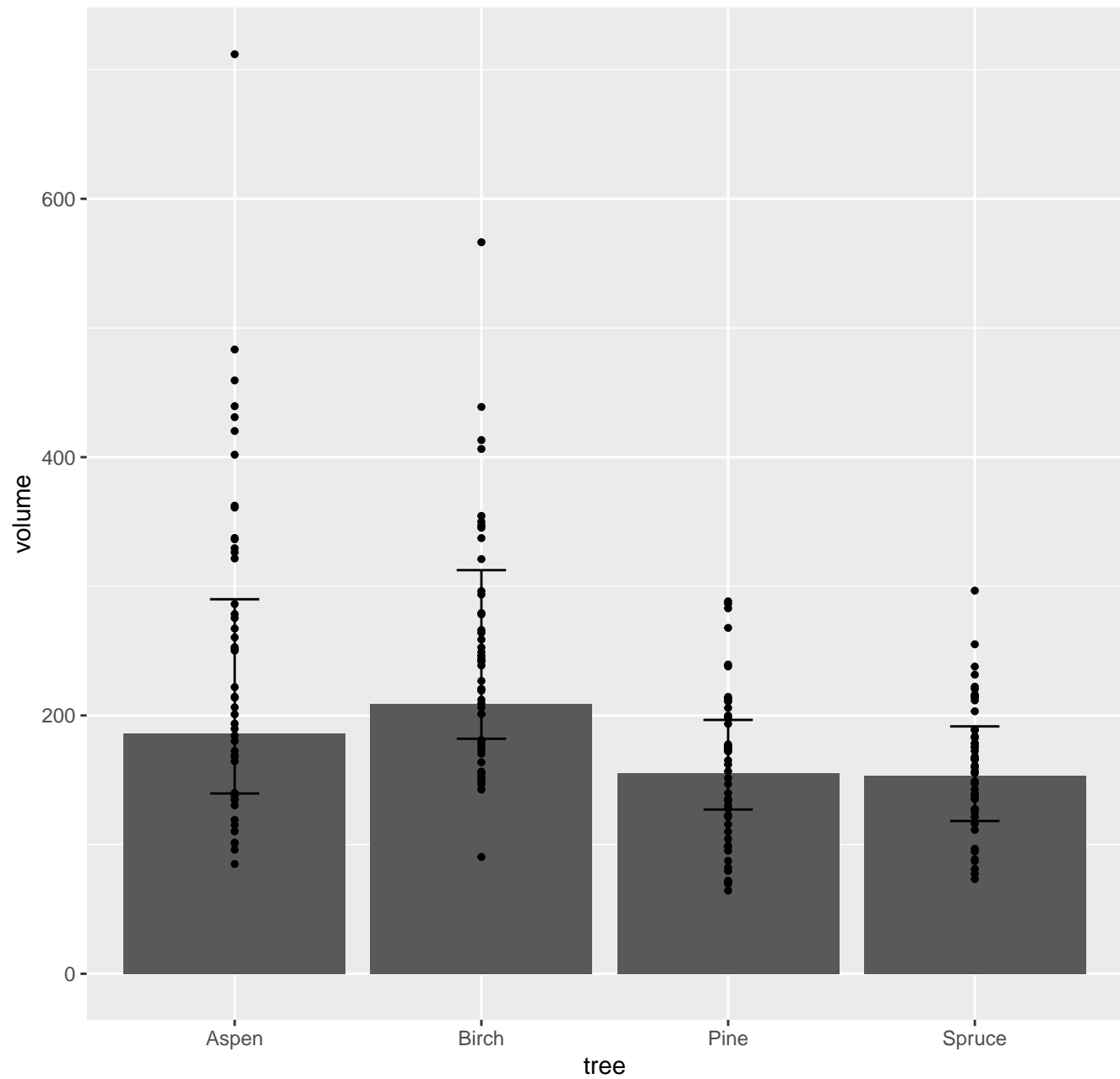
presence-absence model: community weighted mean trait (marginal effect)



presence-absence model: community weighted mean trait (total effect)

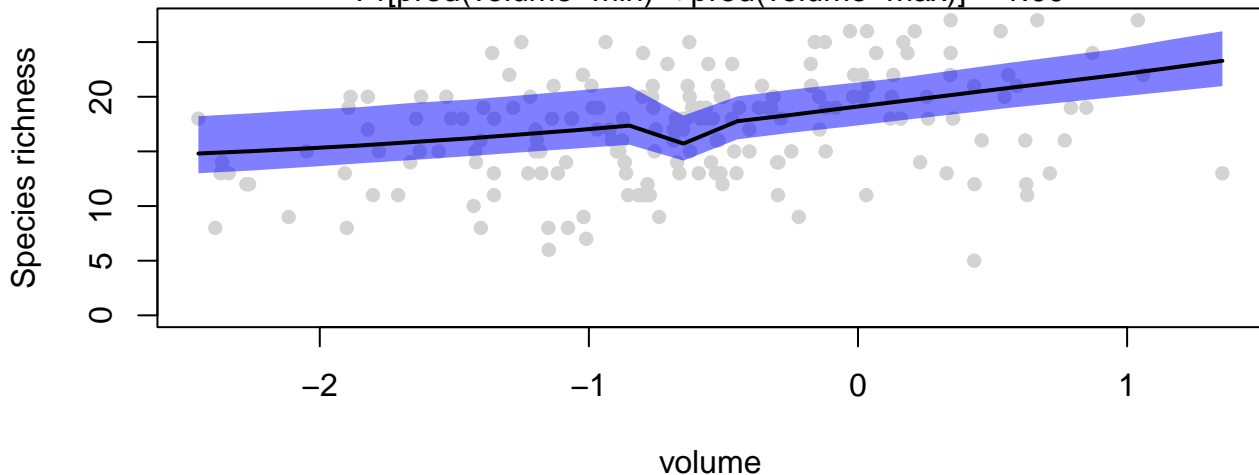


presence-absence model: community weighted mean trait (marginal effect)



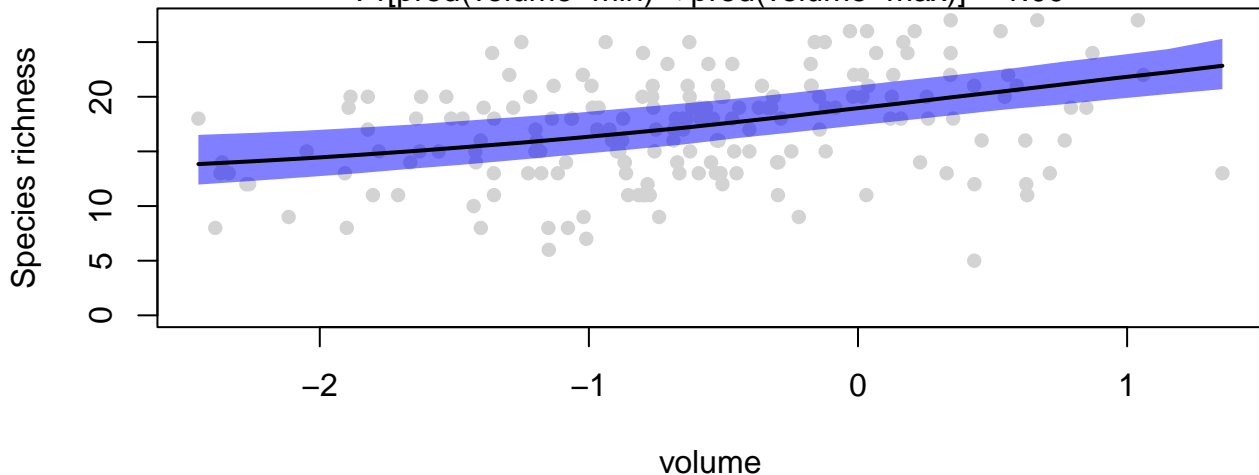
### presence-absence model: summed response (total effect)

$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 1.00$



### presence-absence model: summed response (marginal effect)

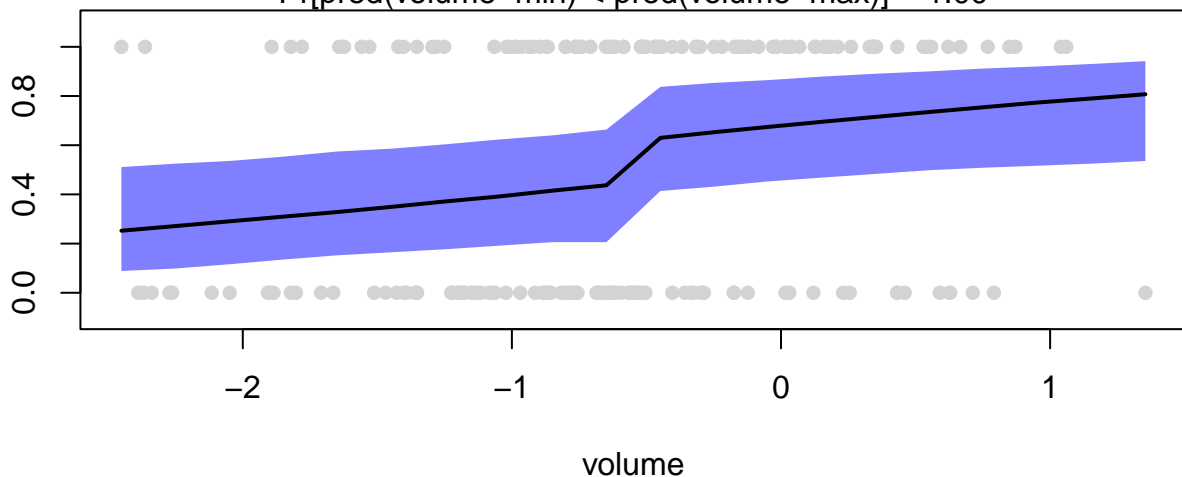
$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 1.00$



*Peniophorella.praetermissa*

### presence-absence model: example species (total effect)

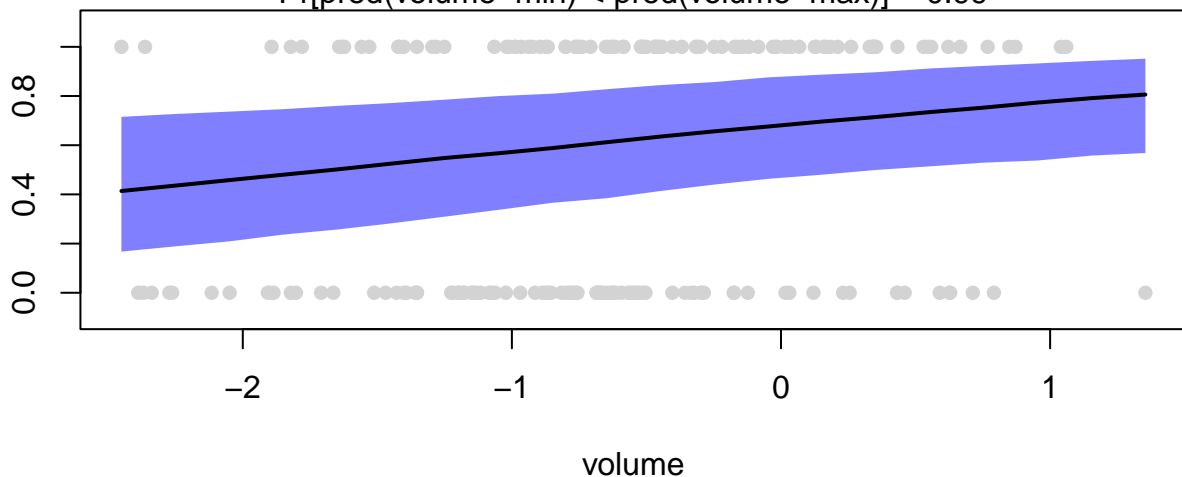
$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 1.00$



*Peniophorella.praetermissa*

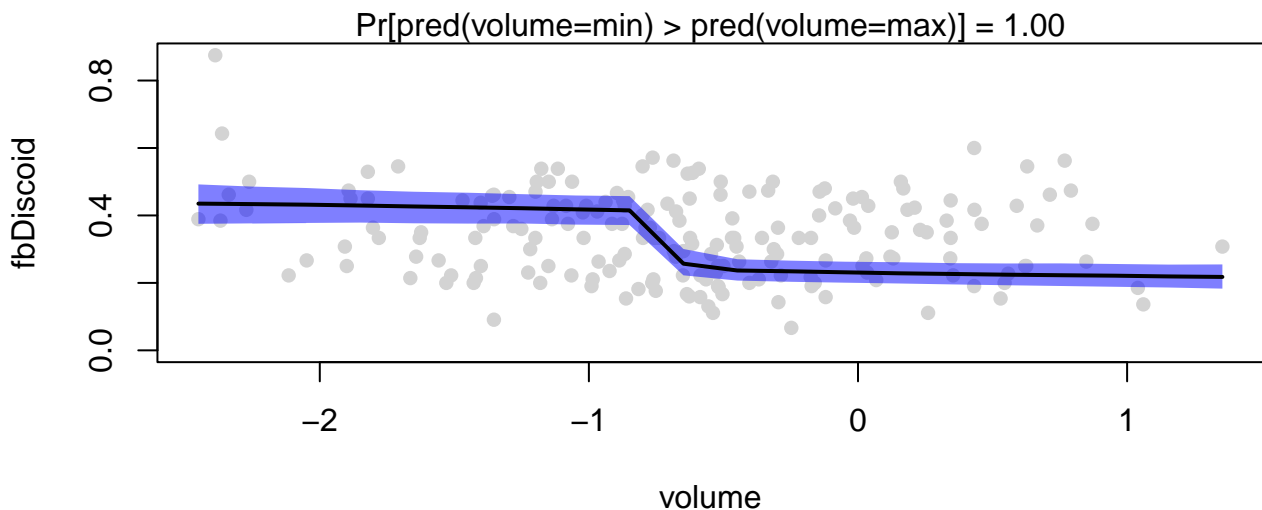
### presence-absence model: example species (marginal effect)

$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 0.99$

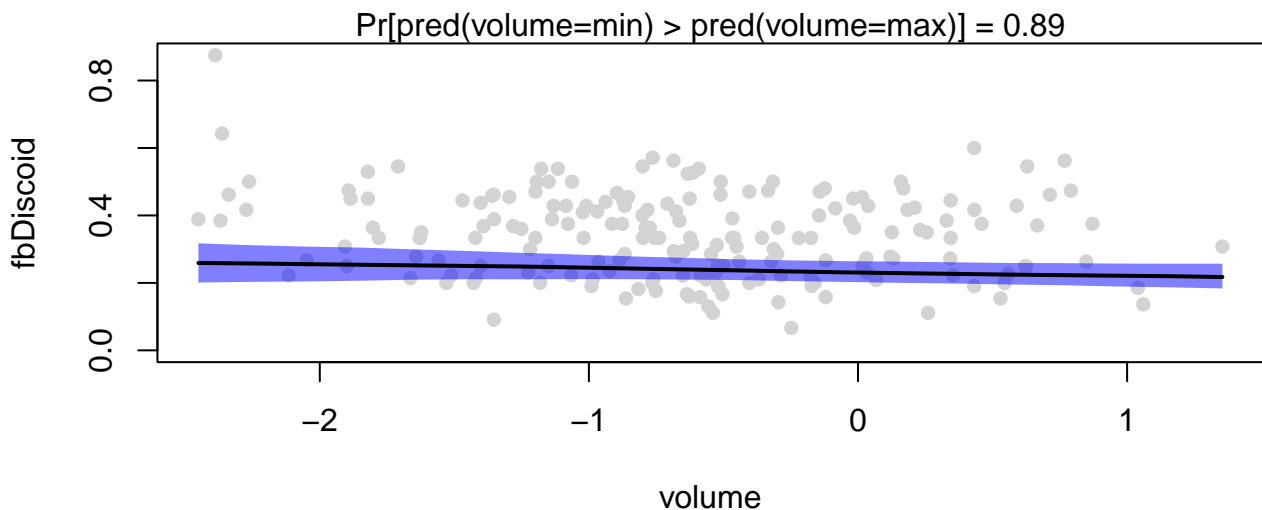




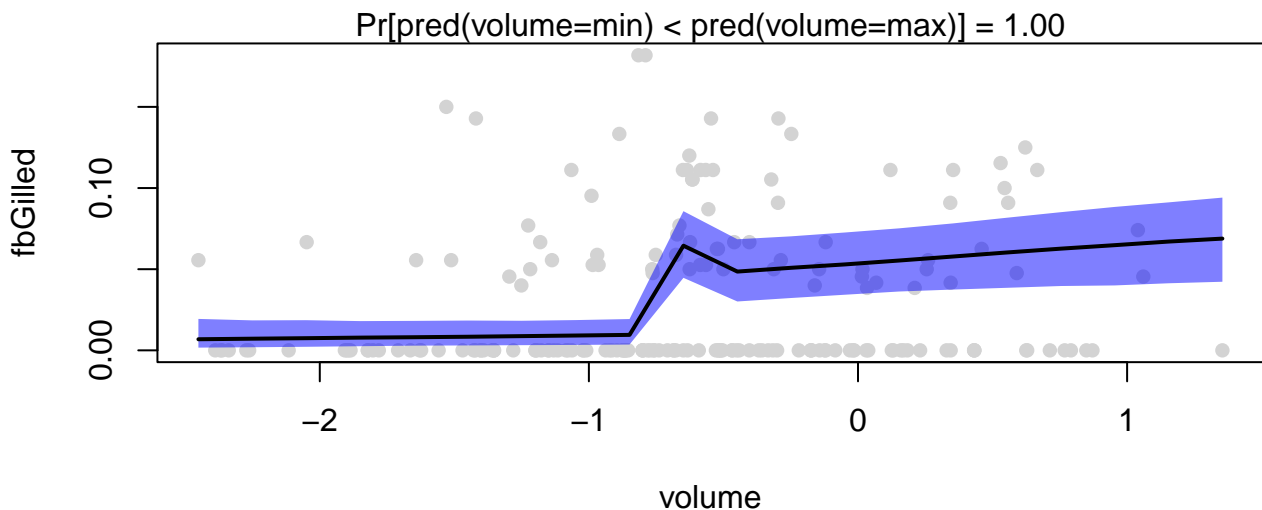
## presence-absence model: community weighted mean trait (total effect)



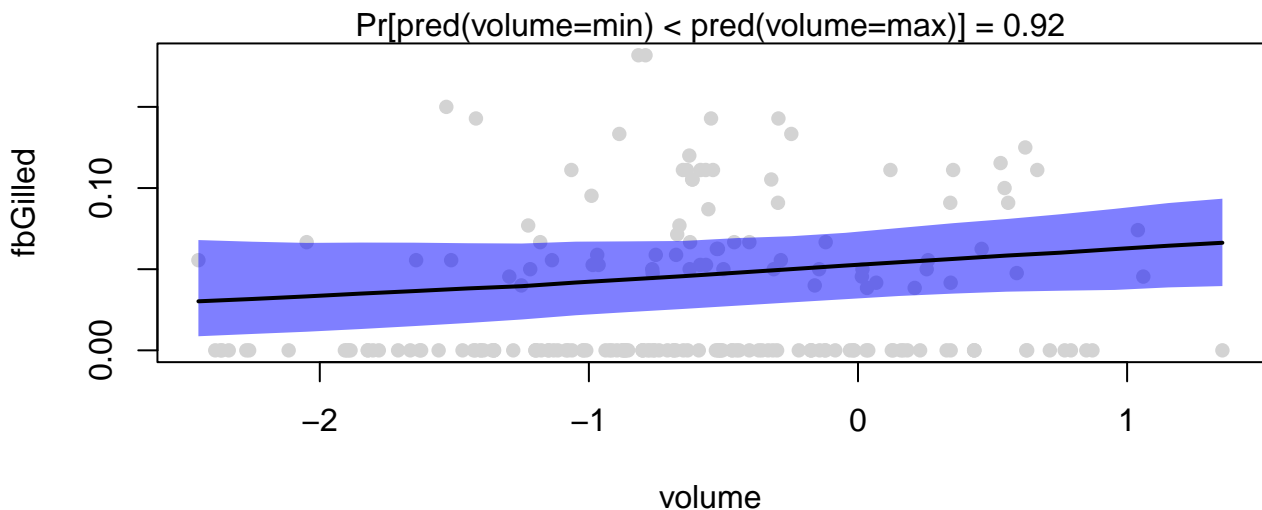
## presence-absence model: community weighted mean trait (marginal effect)



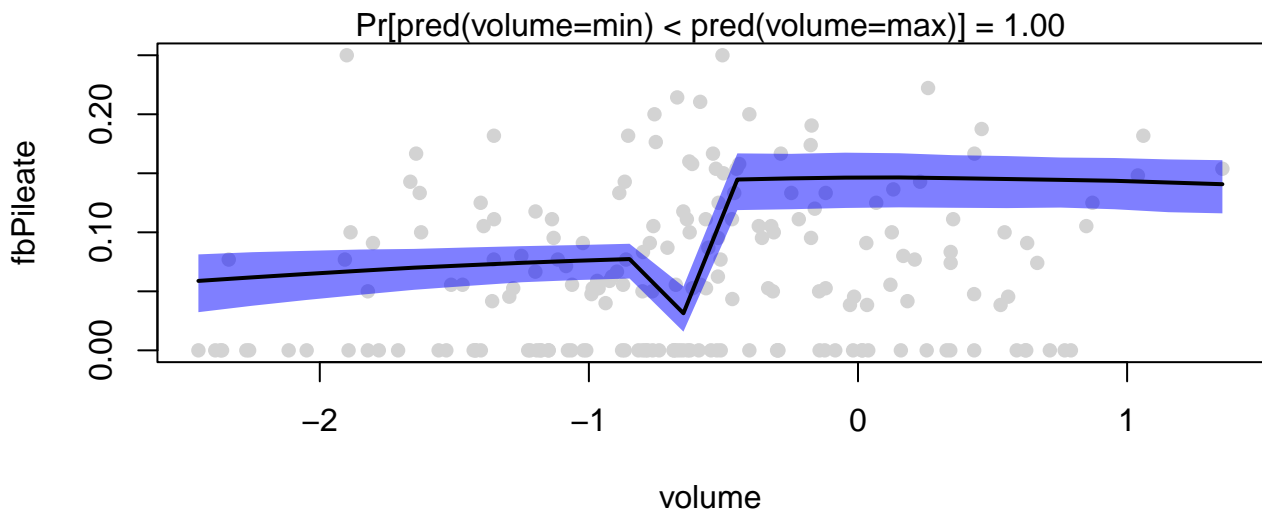
## presence-absence model: community weighted mean trait (total effect)



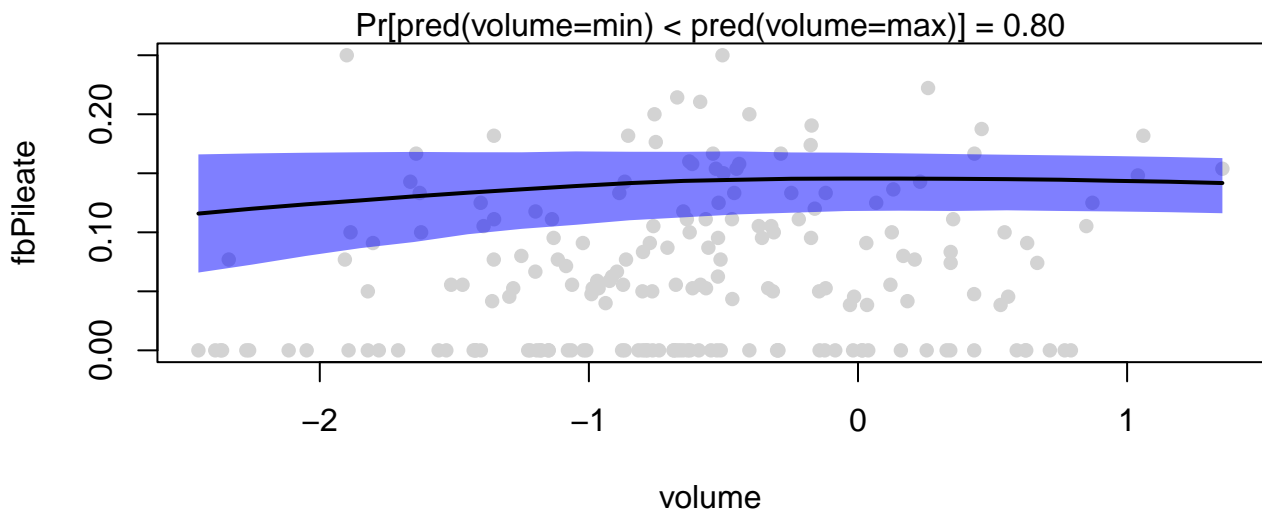
## presence-absence model: community weighted mean trait (marginal effect)



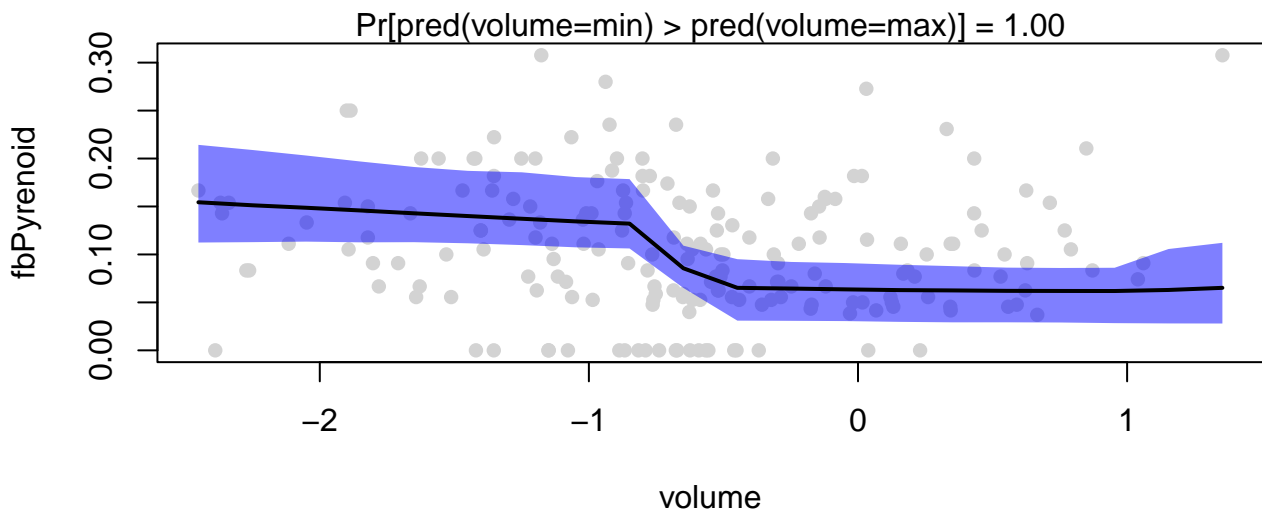
## presence-absence model: community weighted mean trait (total effect)



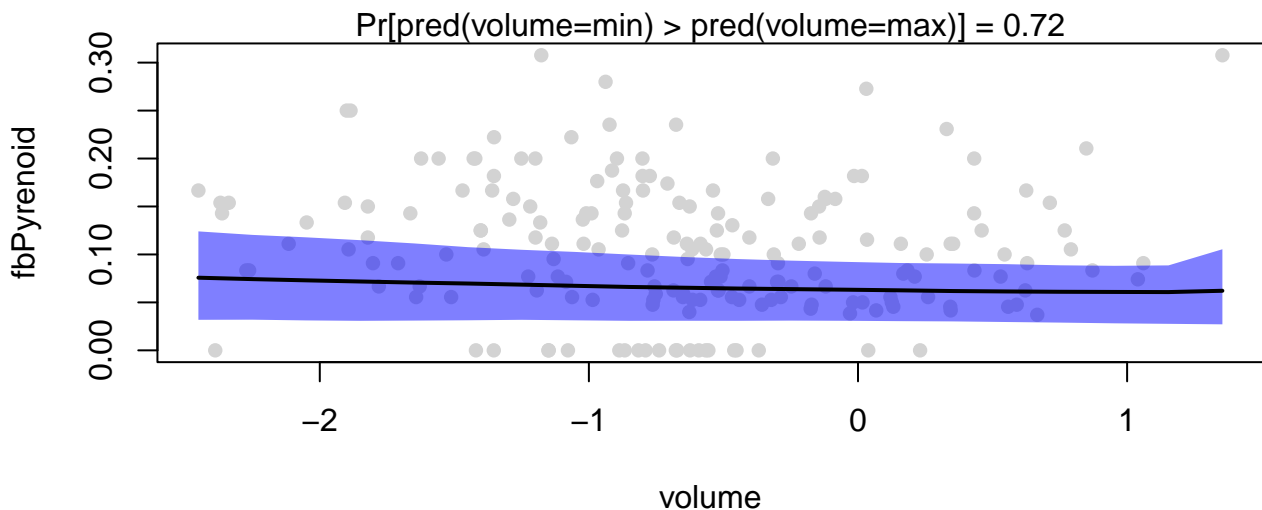
## presence-absence model: community weighted mean trait (marginal effect)



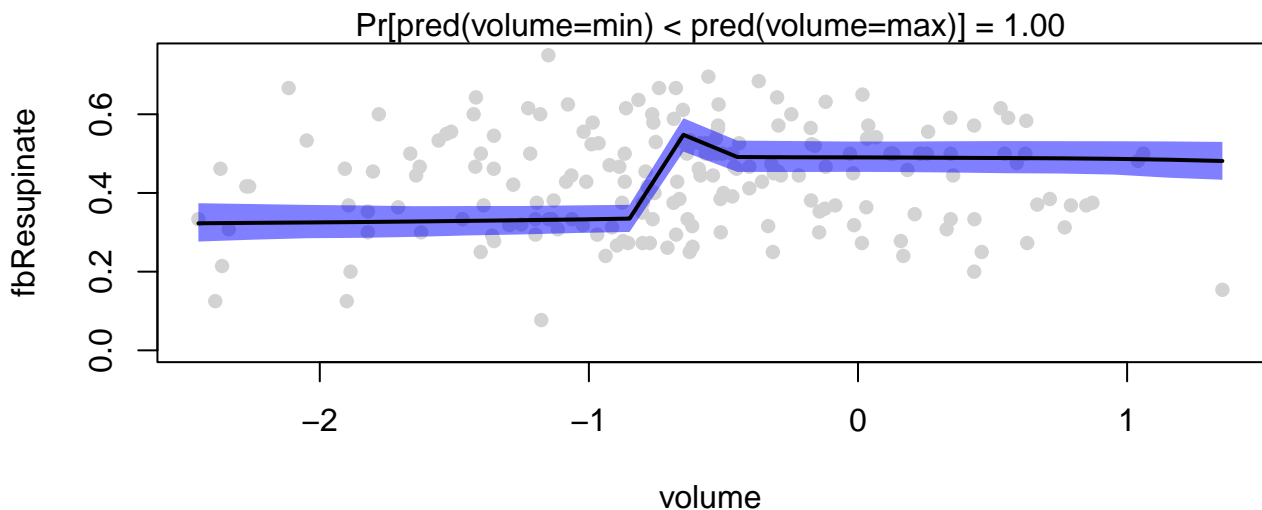
## presence-absence model: community weighted mean trait (total effect)



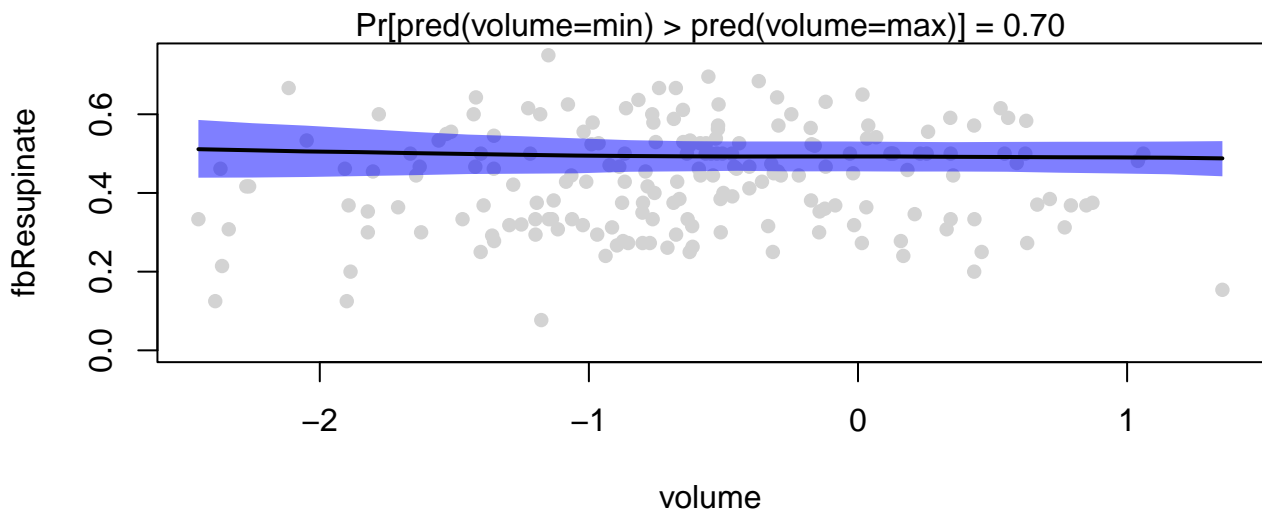
## presence-absence model: community weighted mean trait (marginal effect)



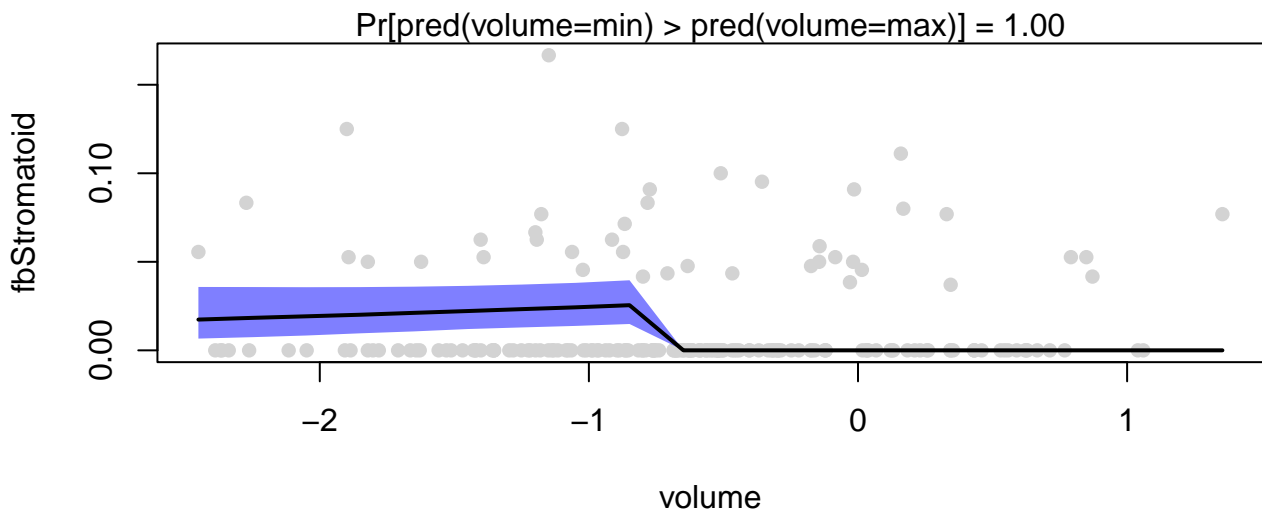
## presence-absence model: community weighted mean trait (total effect)



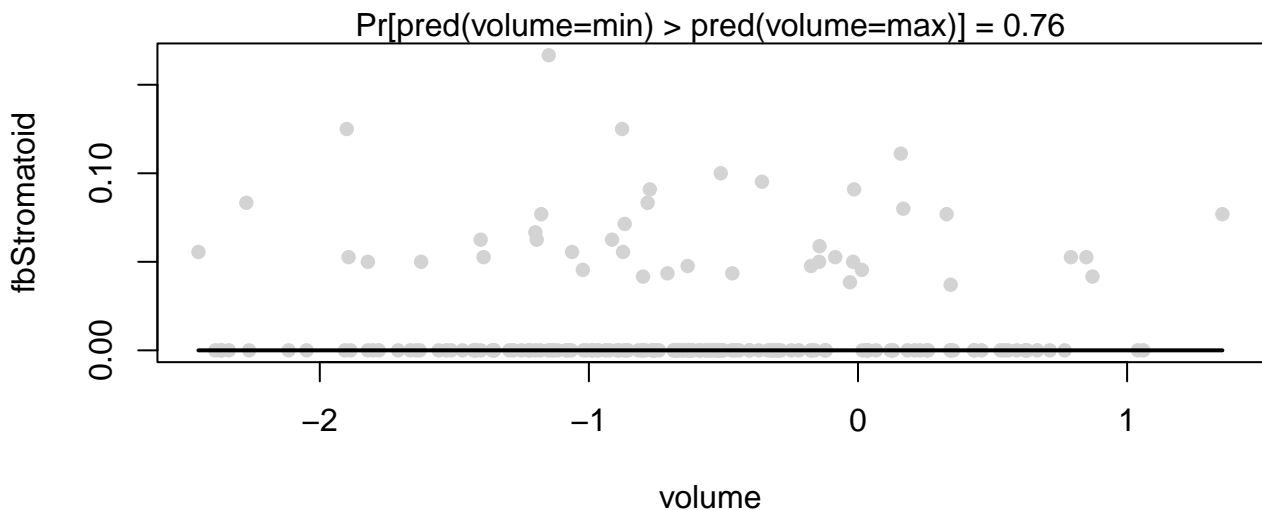
## presence-absence model: community weighted mean trait (marginal effect)



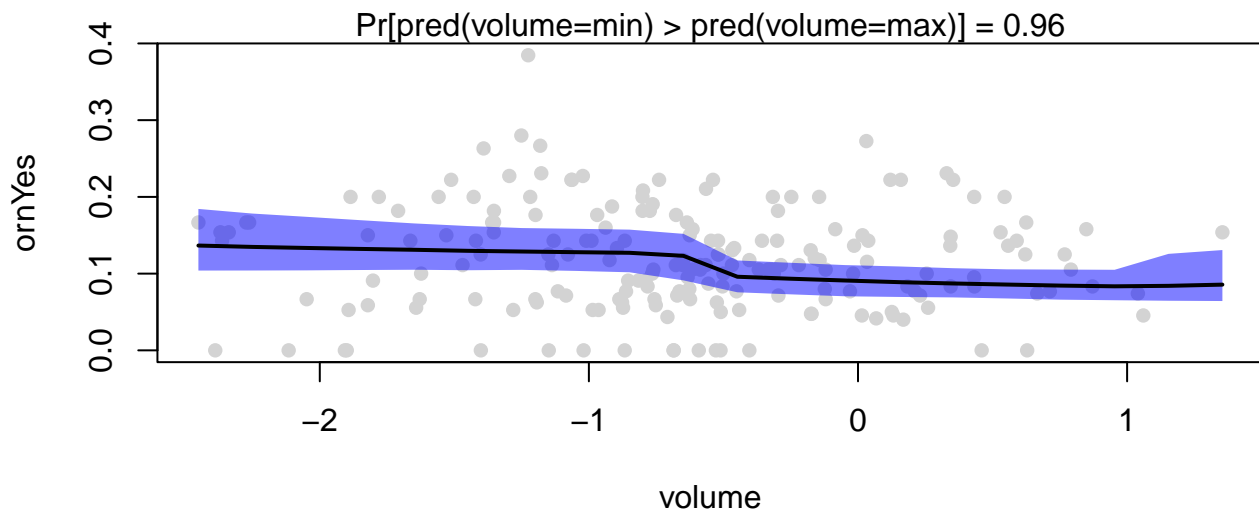
# presence-absence model: community weighted mean trait (total effect)



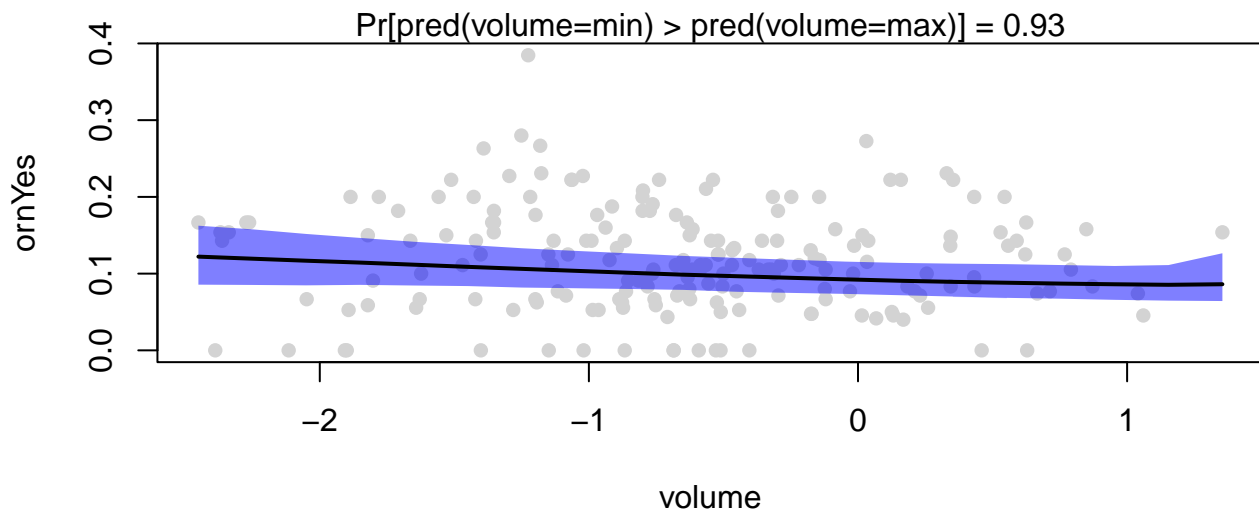
# presence-absence model: community weighted mean trait (marginal effect)



## presence-absence model: community weighted mean trait (total effect)

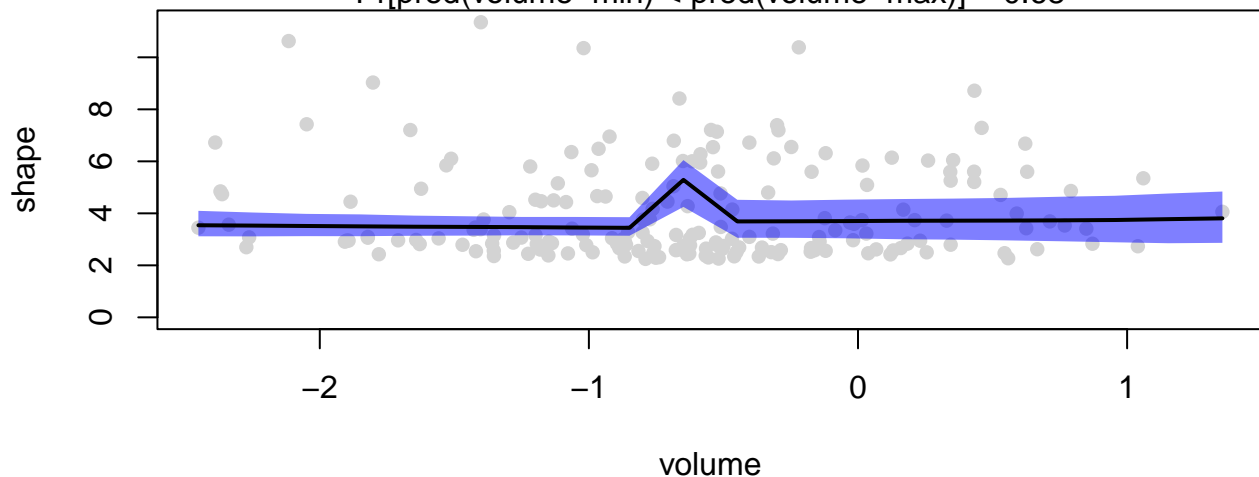


## presence-absence model: community weighted mean trait (marginal effect)



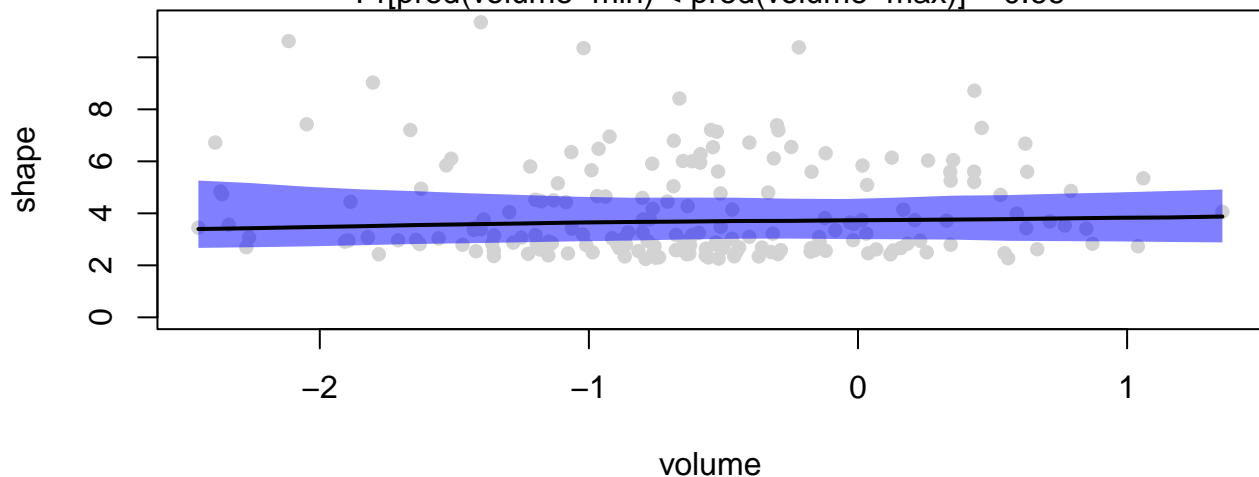
# presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 0.68$



# presence-absence model: community weighted mean trait (marginal effect)

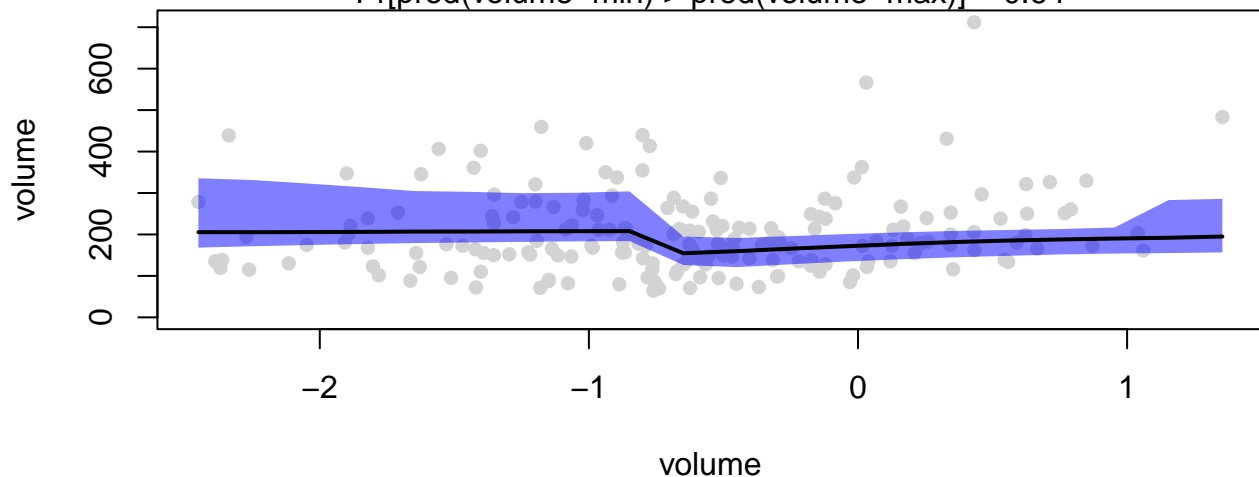
$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 0.66$





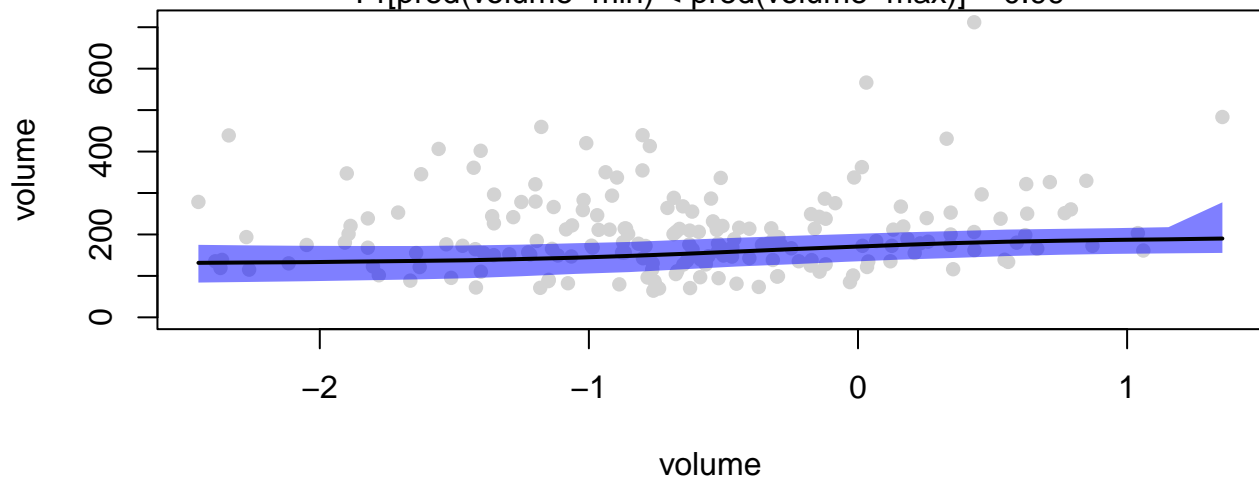
## presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{volume}=\text{min}) > \text{pred}(\text{volume}=\text{max})] = 0.64$



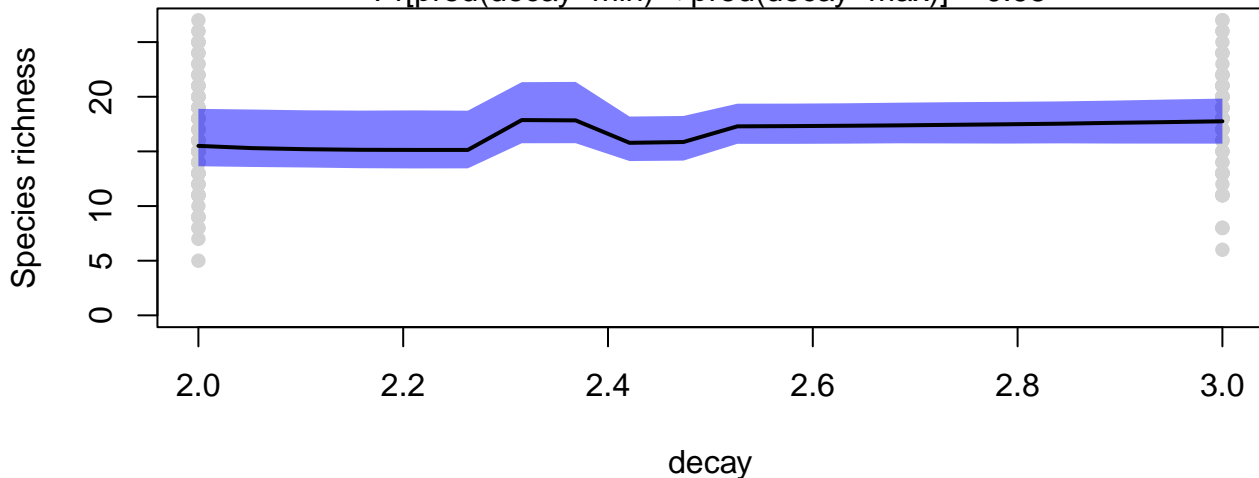
## presence-absence model: community weighted mean trait (marginal effect)

$\Pr[\text{pred}(\text{volume}=\text{min}) < \text{pred}(\text{volume}=\text{max})] = 0.99$



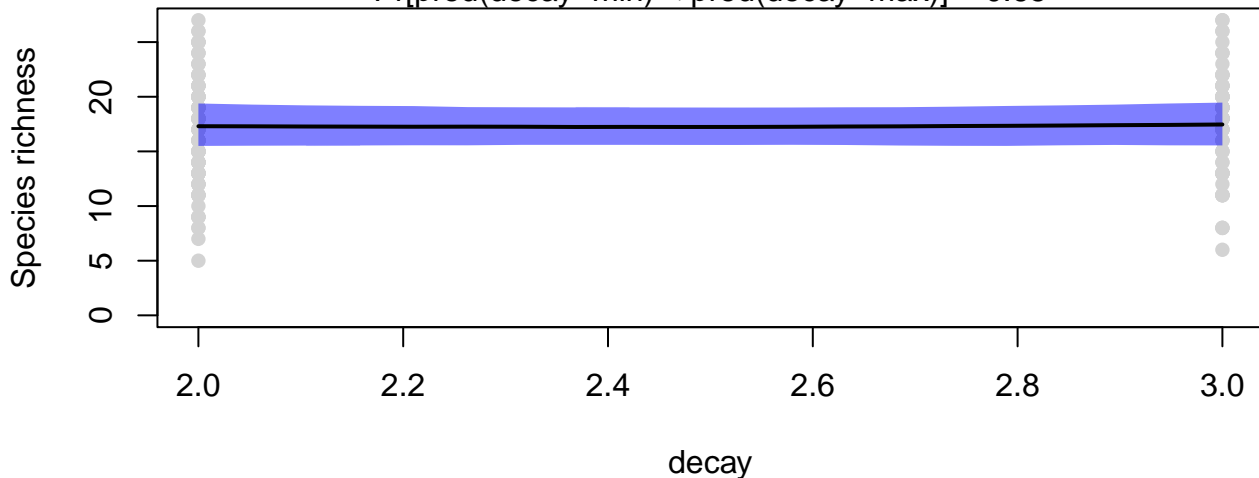
### presence-absence model: summed response (total effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) < \text{pred}(\text{decay}=\text{max})] = 0.95$



### presence-absence model: summed response (marginal effect)

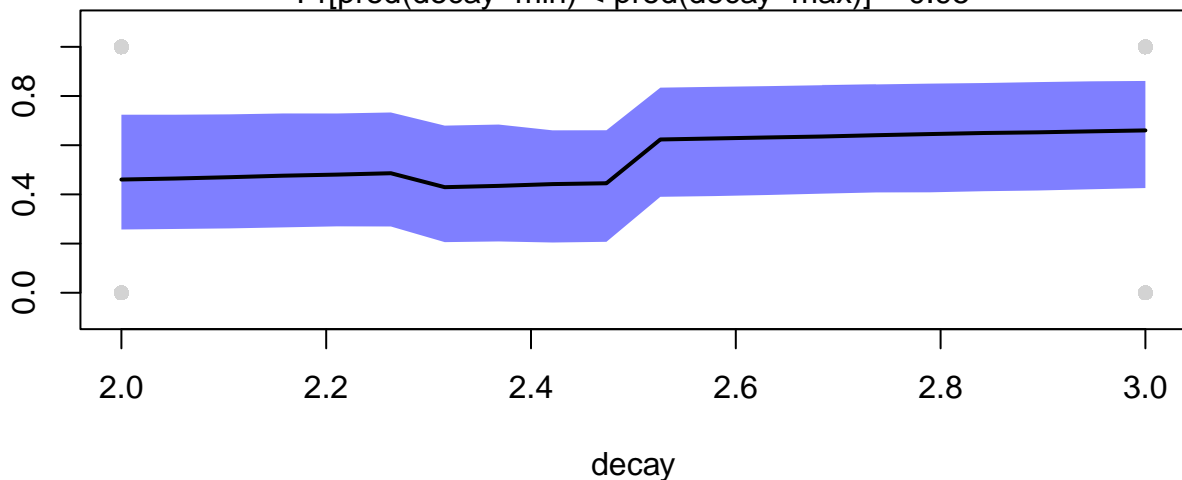
$\Pr[\text{pred}(\text{decay}=\text{min}) < \text{pred}(\text{decay}=\text{max})] = 0.65$



### presence-absence model: example species (total effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) < \text{pred}(\text{decay}=\text{max})] = 0.95$

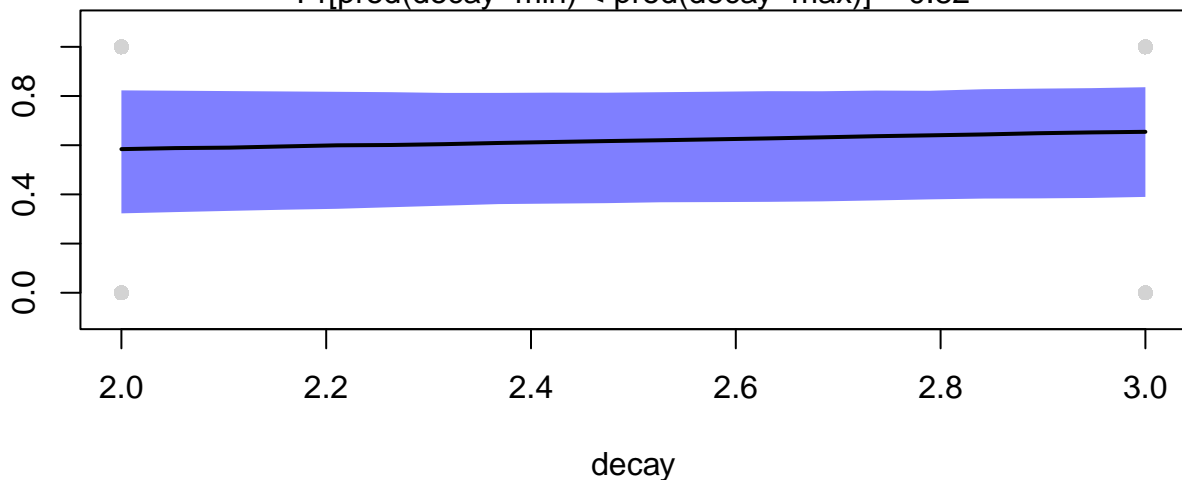
*Peniophorella.praetermissa*



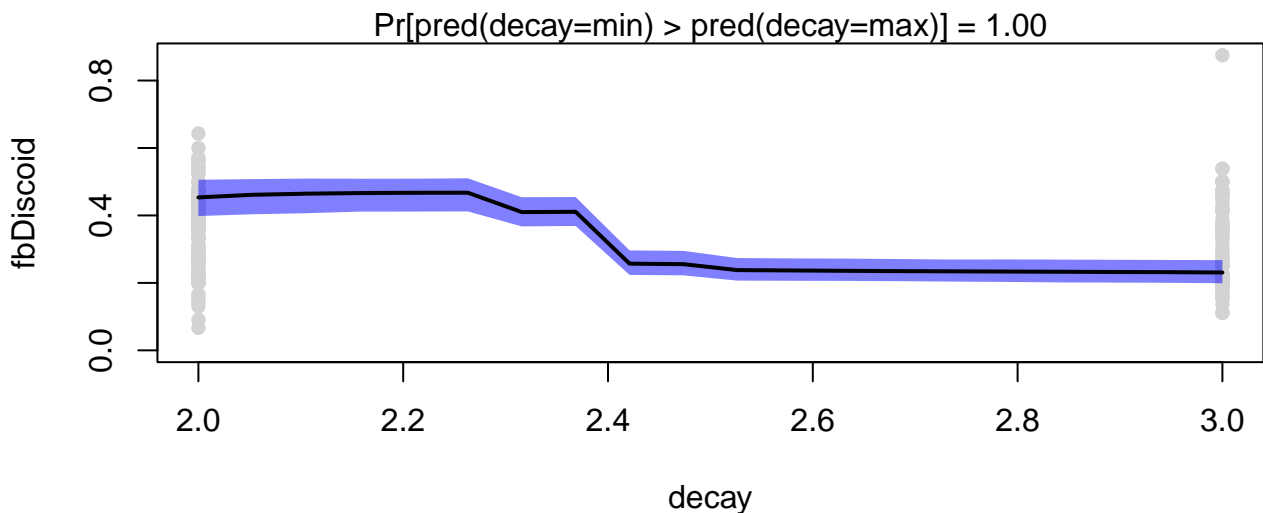
### presence-absence model: example species (marginal effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) < \text{pred}(\text{decay}=\text{max})] = 0.82$

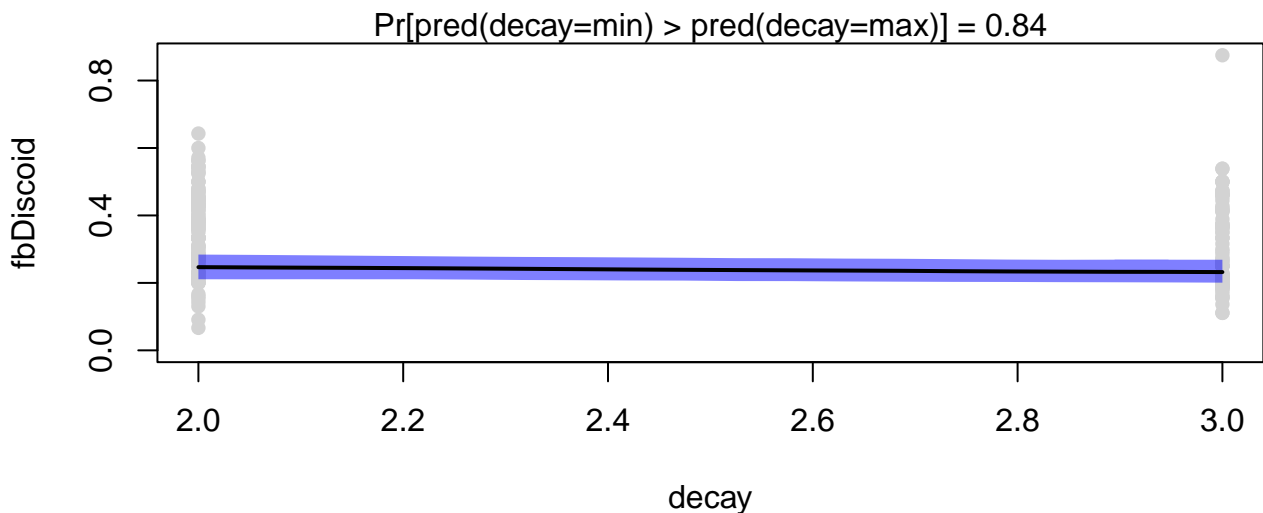
*Peniophorella.praetermissa*



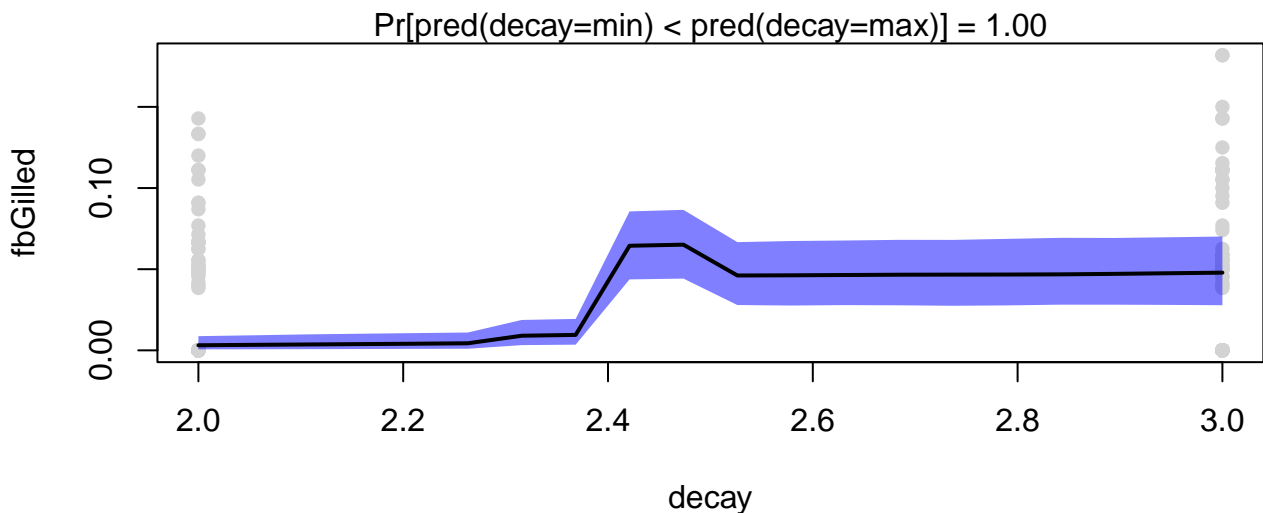
## presence-absence model: community weighted mean trait (total effect)



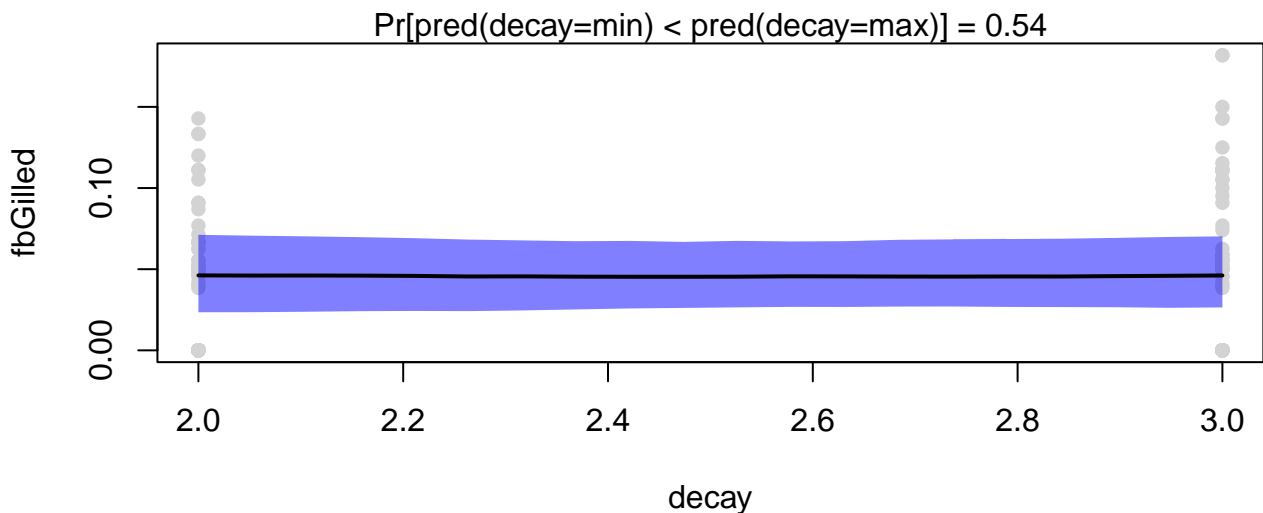
## presence-absence model: community weighted mean trait (marginal effect)



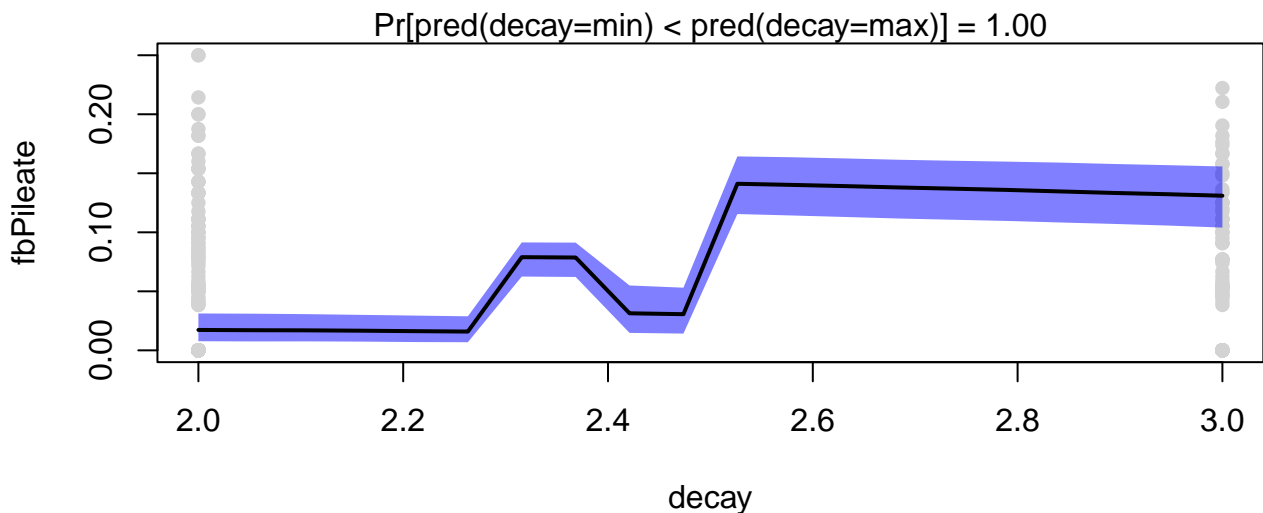
# presence-absence model: community weighted mean trait (total effect)



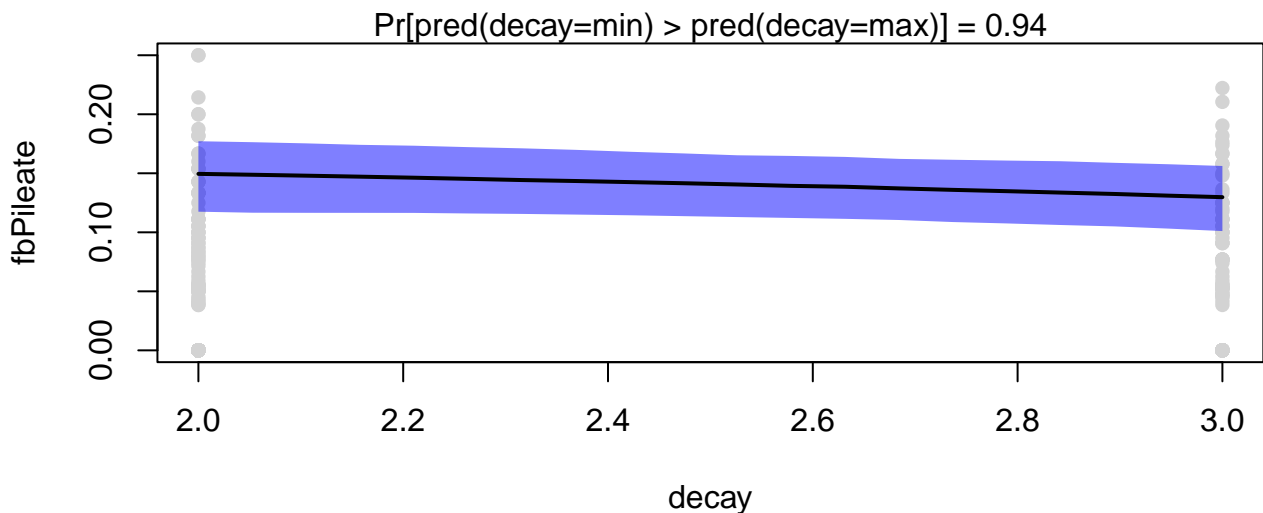
# presence-absence model: community weighted mean trait (marginal effect)



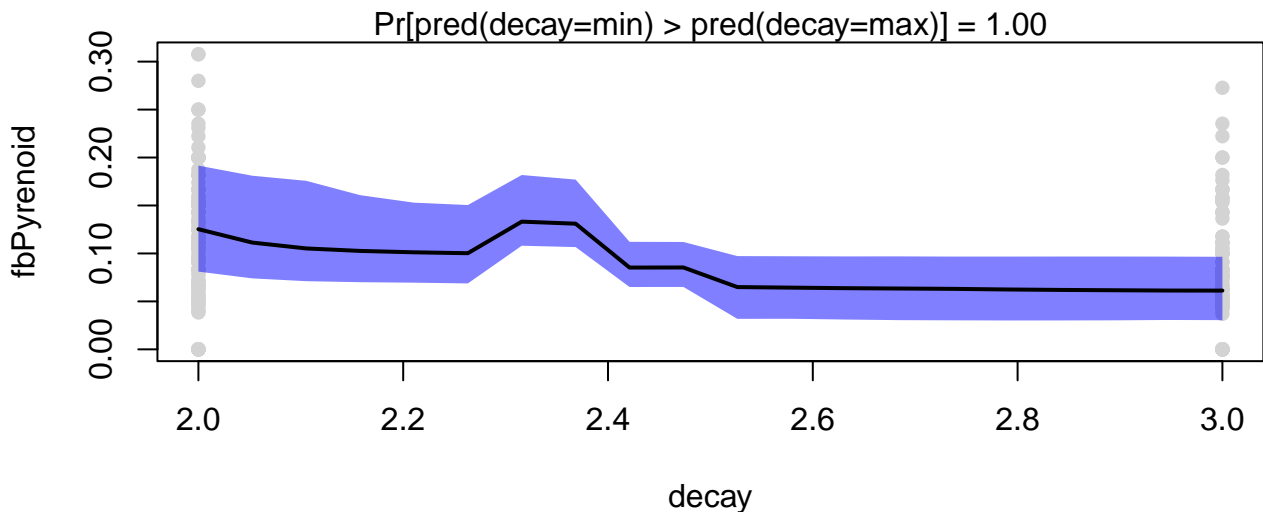
# presence-absence model: community weighted mean trait (total effect)



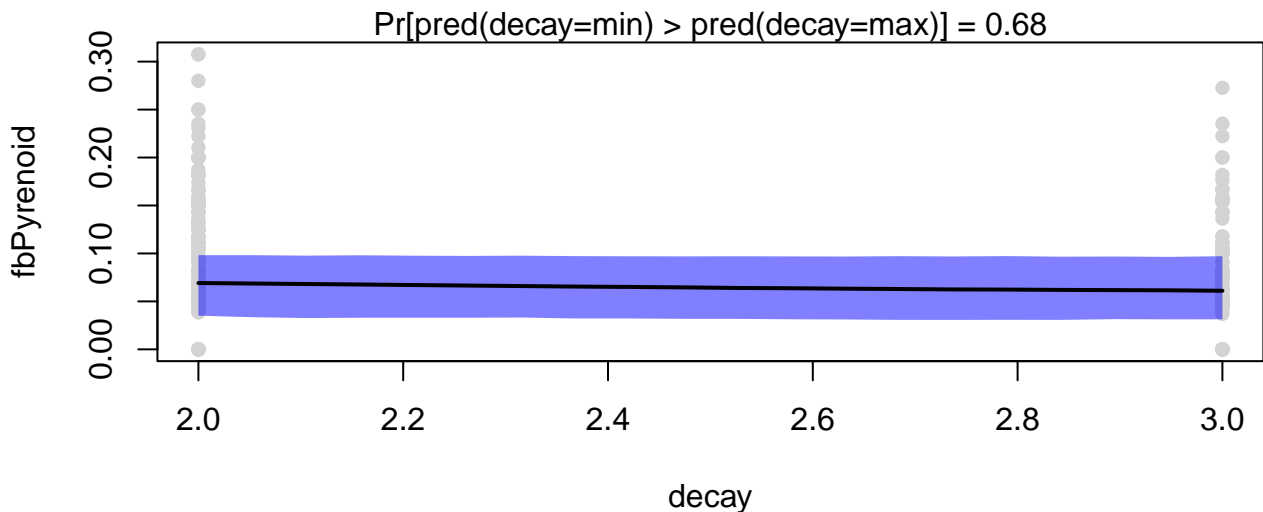
# presence-absence model: community weighted mean trait (marginal effect)



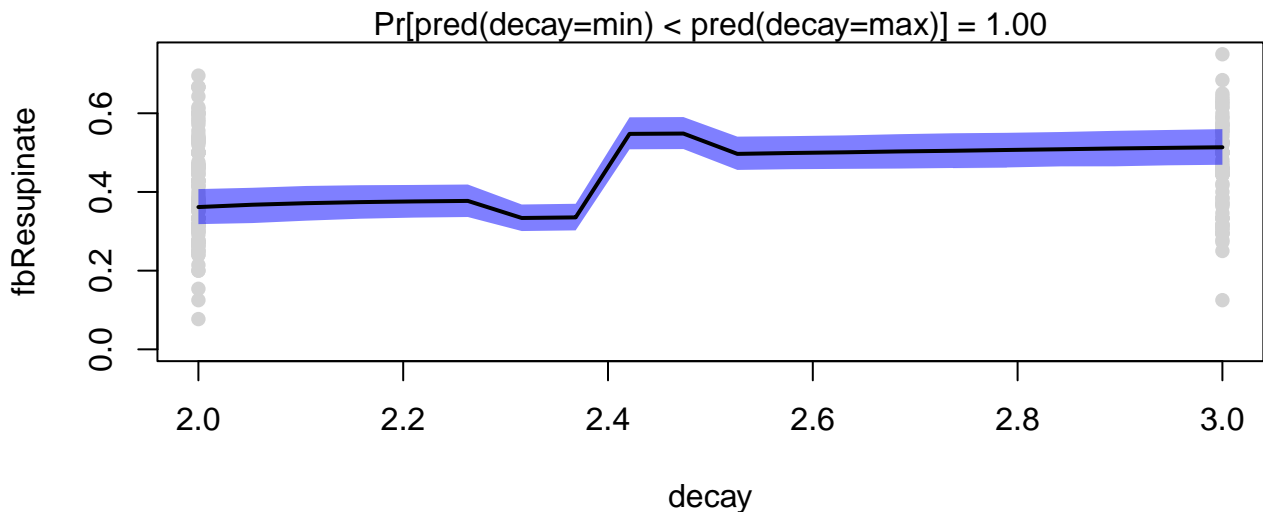
## presence-absence model: community weighted mean trait (total effect)



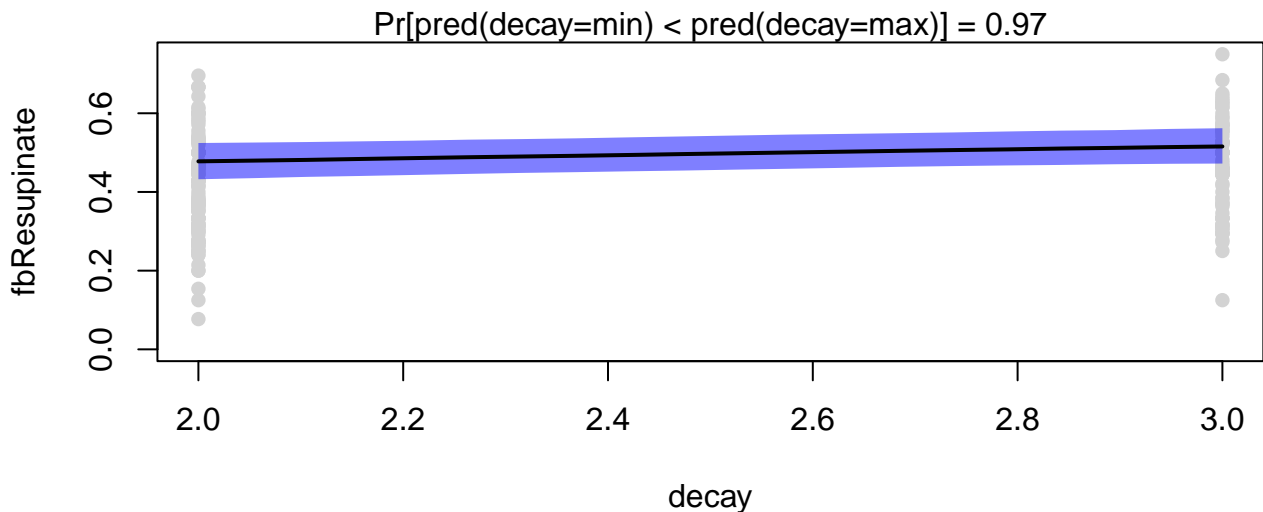
## presence-absence model: community weighted mean trait (marginal effect)



## presence-absence model: community weighted mean trait (total effect)

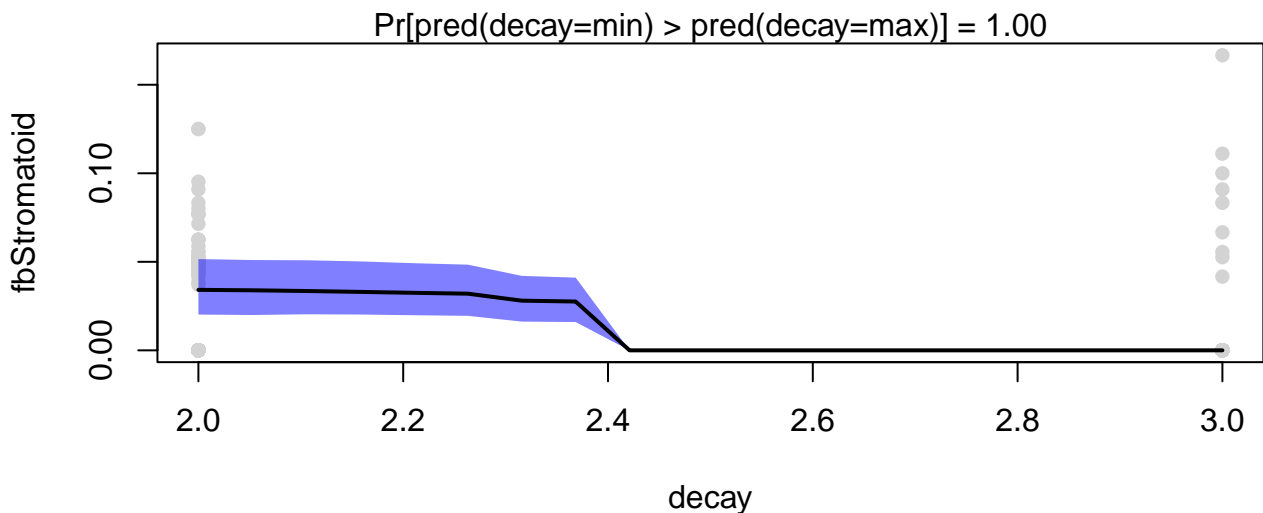


## presence-absence model: community weighted mean trait (marginal effect)

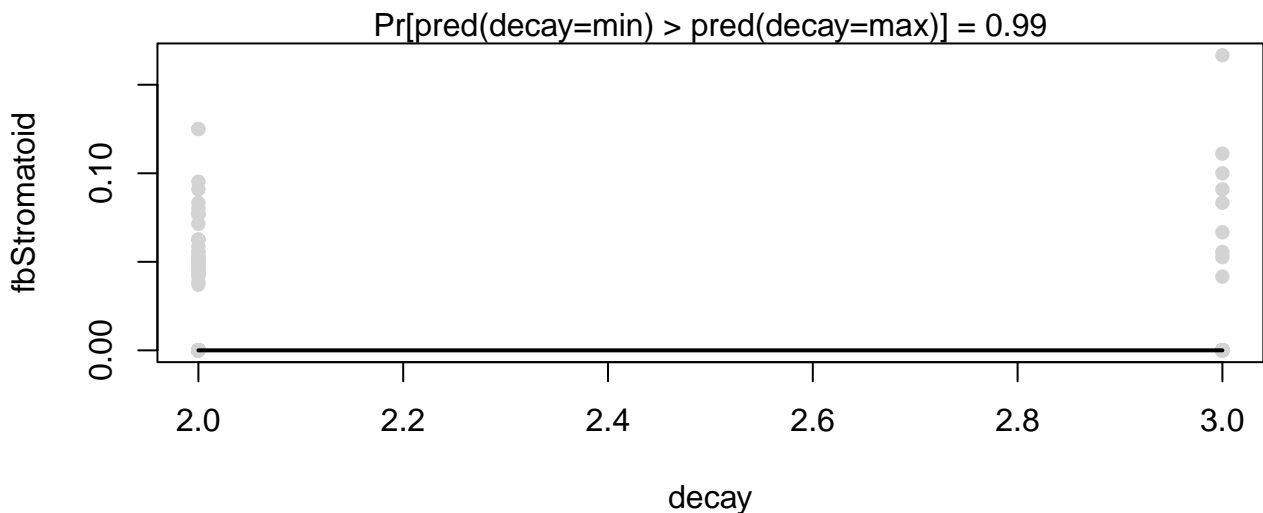




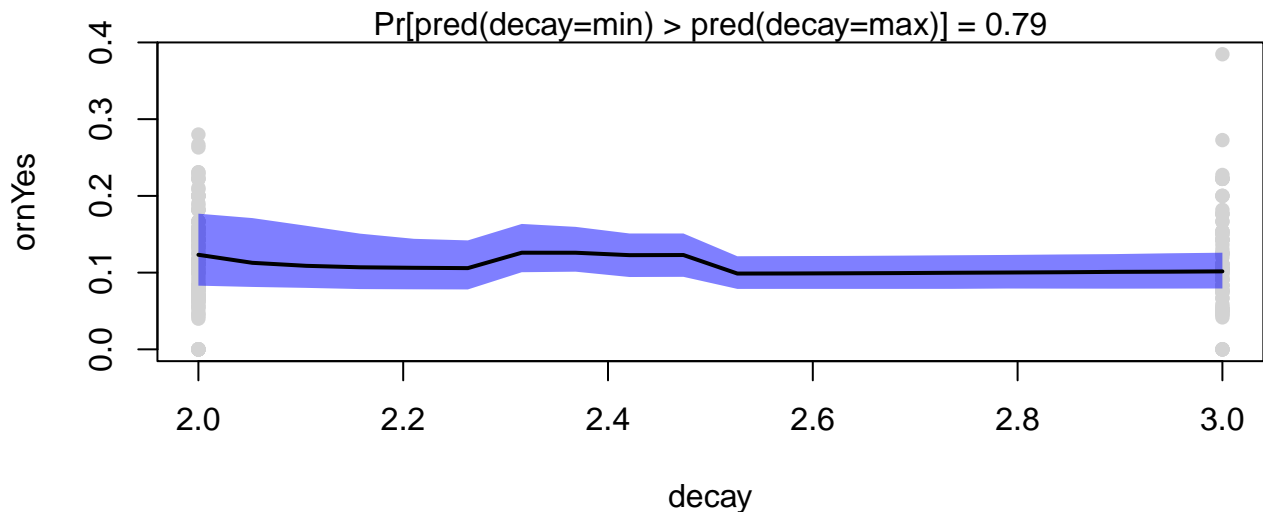
## presence-absence model: community weighted mean trait (total effect)



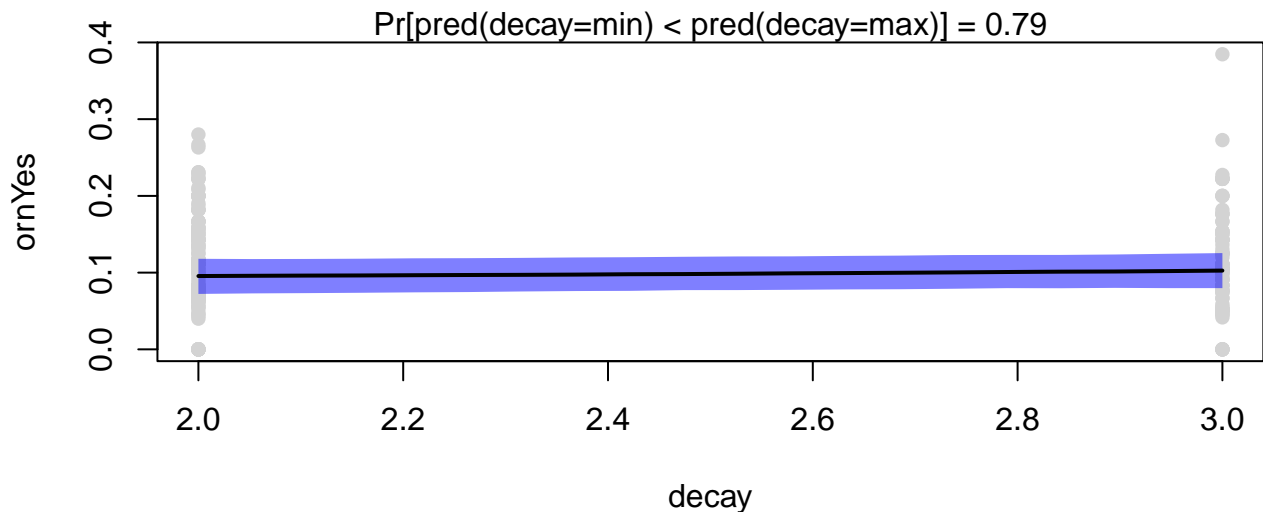
## presence-absence model: community weighted mean trait (marginal effect)



# presence-absence model: community weighted mean trait (total effect)

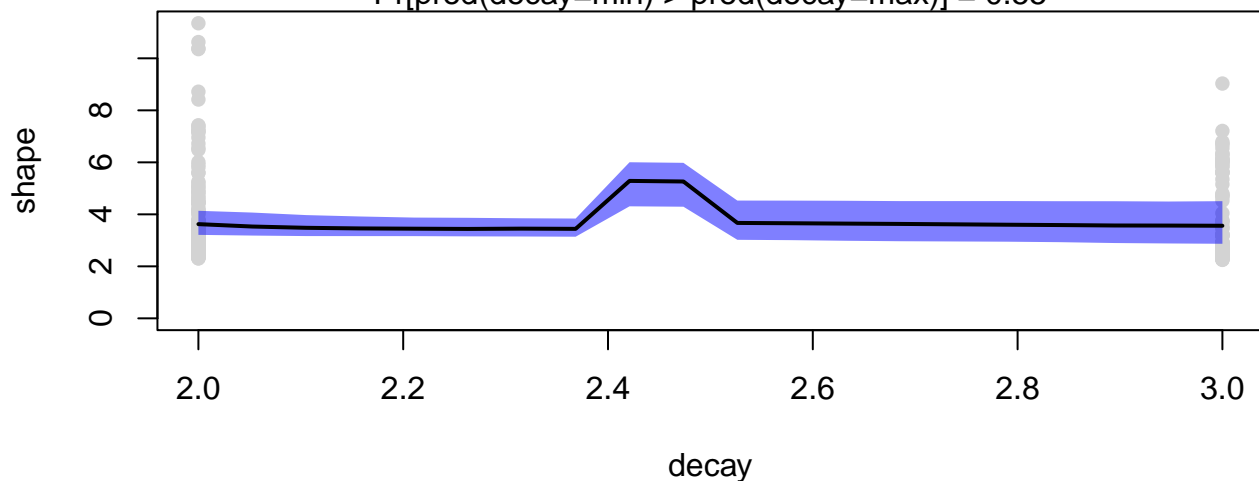


# presence-absence model: community weighted mean trait (marginal effect)



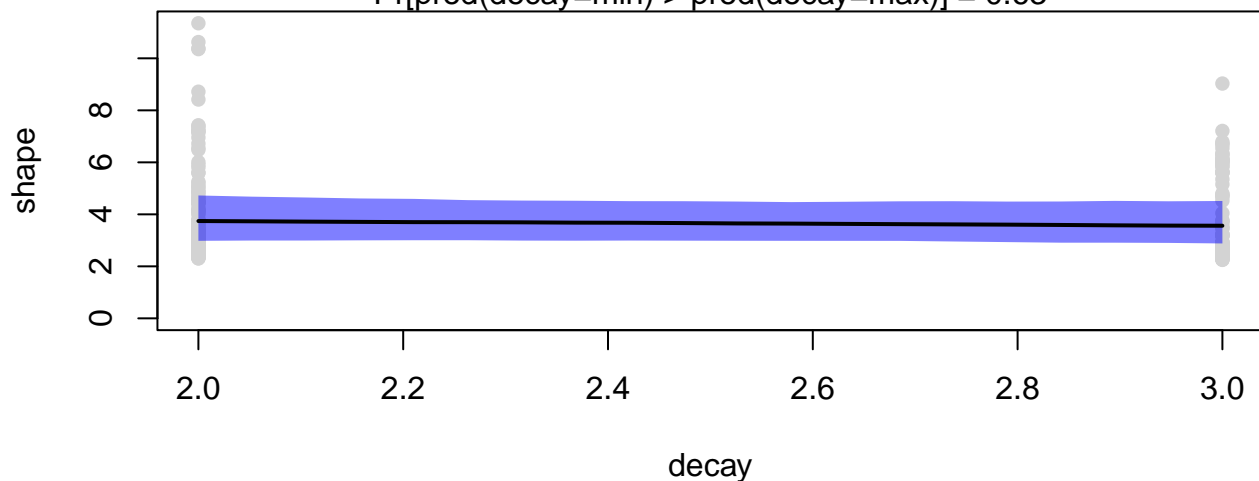
# presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) > \text{pred}(\text{decay}=\text{max})] = 0.55$



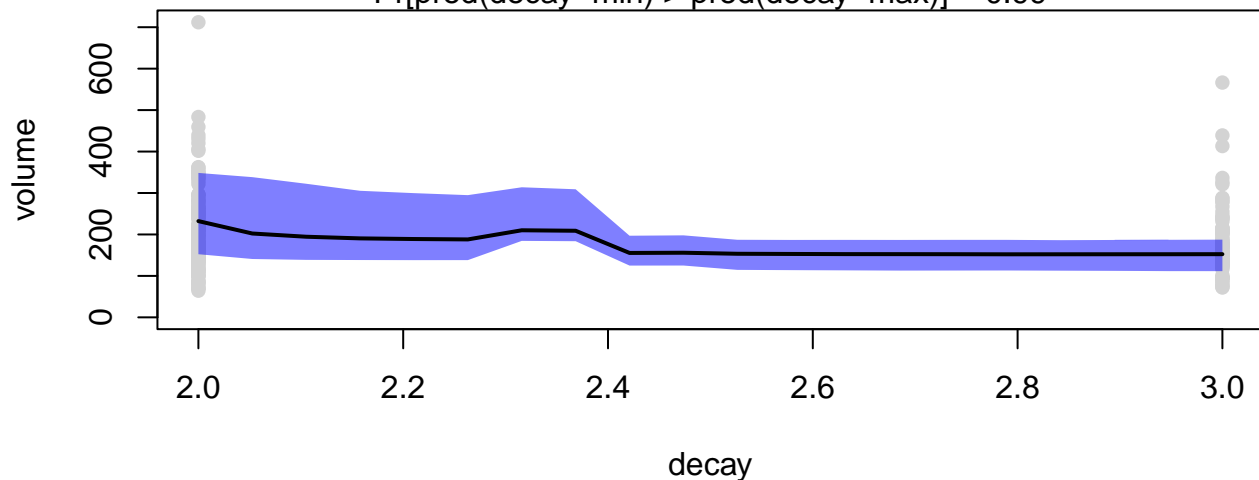
# presence-absence model: community weighted mean trait (marginal effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) > \text{pred}(\text{decay}=\text{max})] = 0.63$



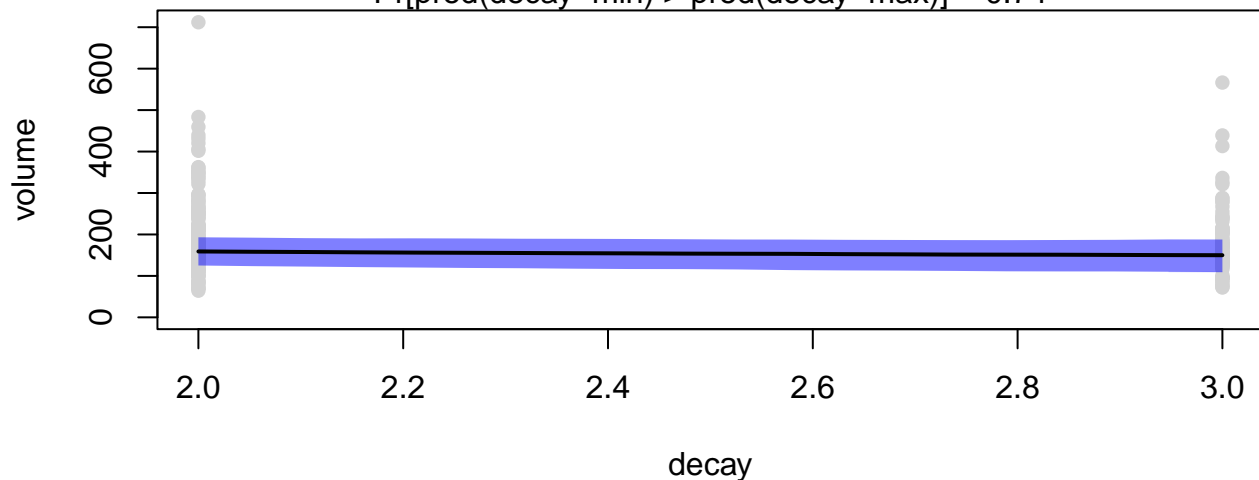
# presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) > \text{pred}(\text{decay}=\text{max})] = 0.99$



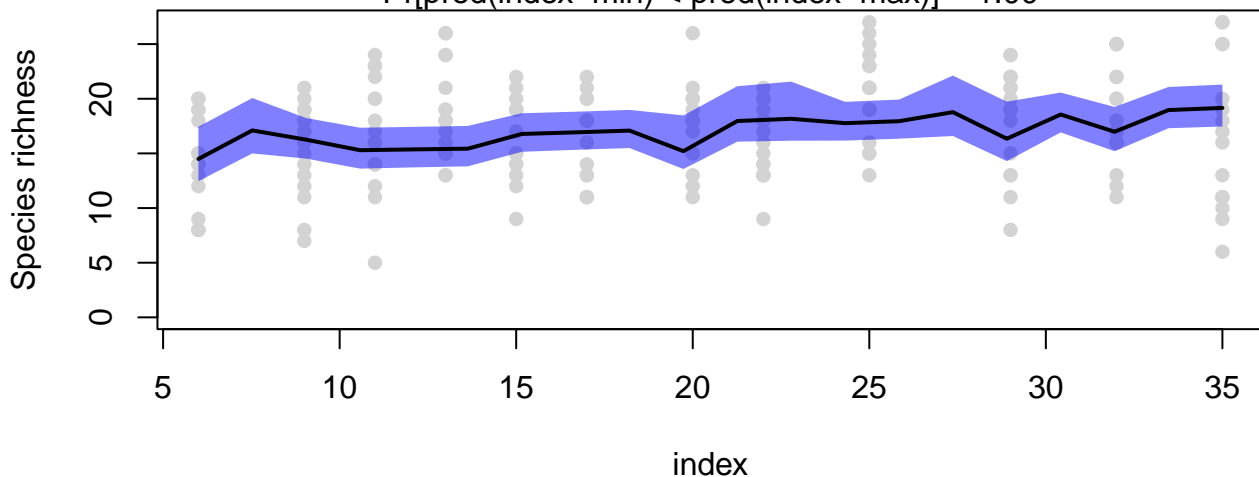
# presence-absence model: community weighted mean trait (marginal effect)

$\Pr[\text{pred}(\text{decay}=\text{min}) > \text{pred}(\text{decay}=\text{max})] = 0.74$



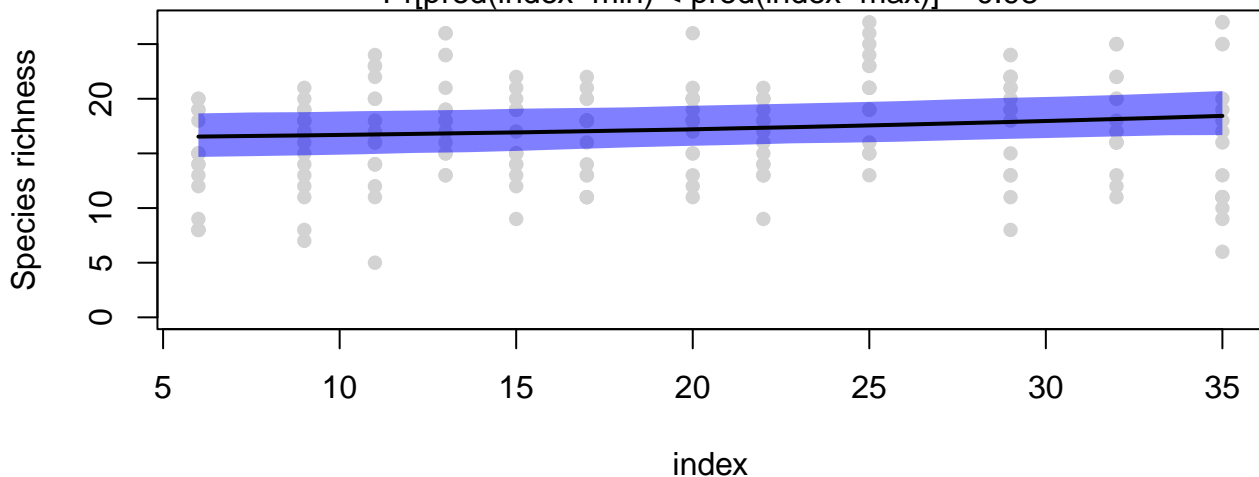
### presence-absence model: summed response (total effect)

$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 1.00$



### presence-absence model: summed response (marginal effect)

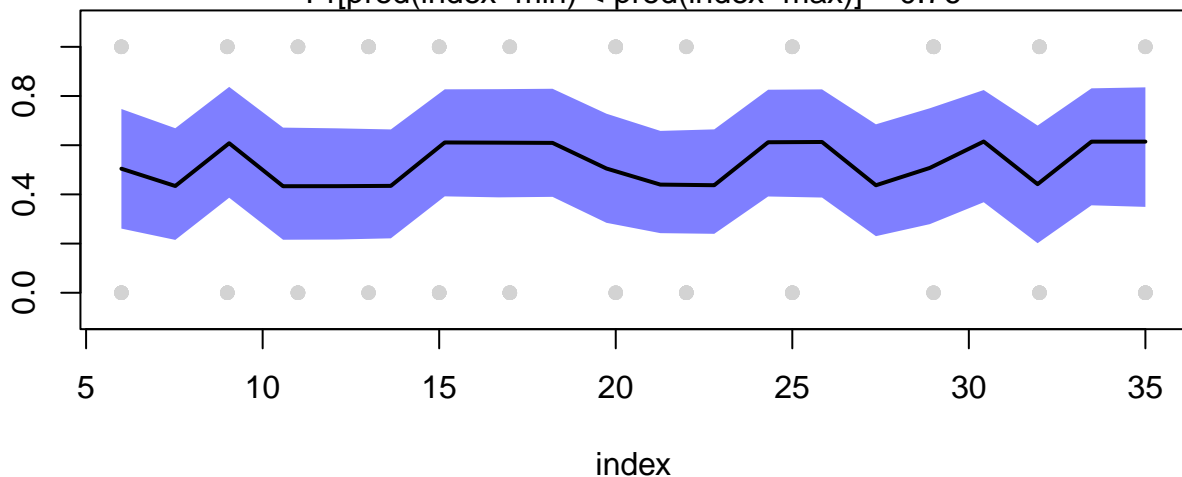
$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 0.98$



### presence-absence model: example species (total effect)

*Peniophorella.praetermissa*

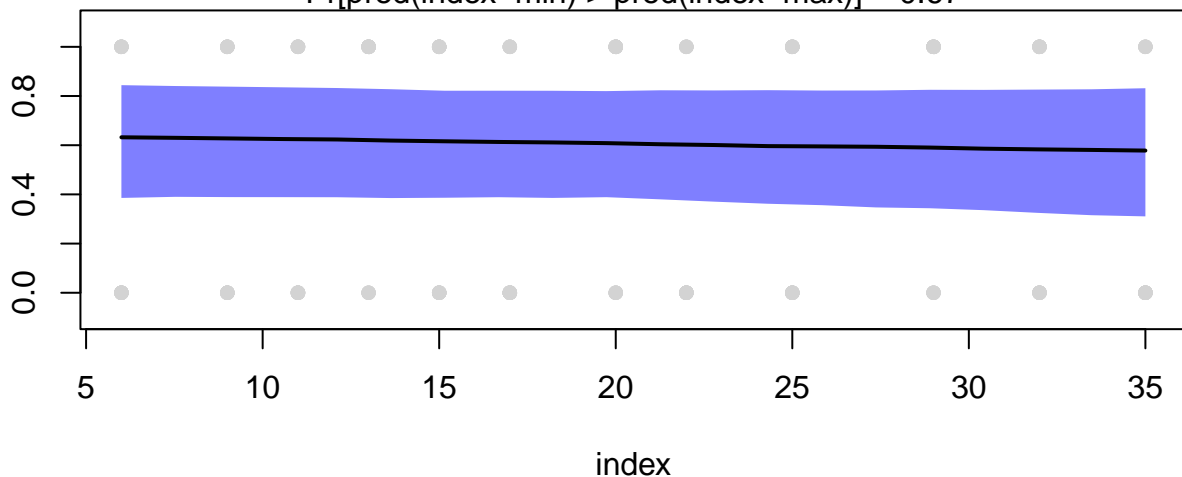
$$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 0.76$$



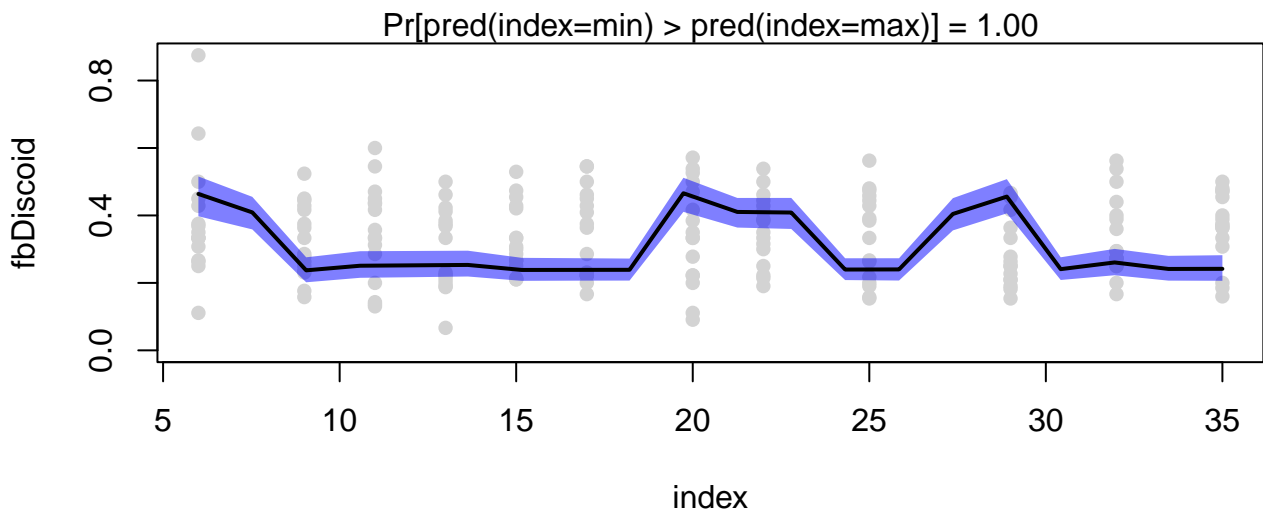
### presence-absence model: example species (marginal effect)

*Peniophorella.praetermissa*

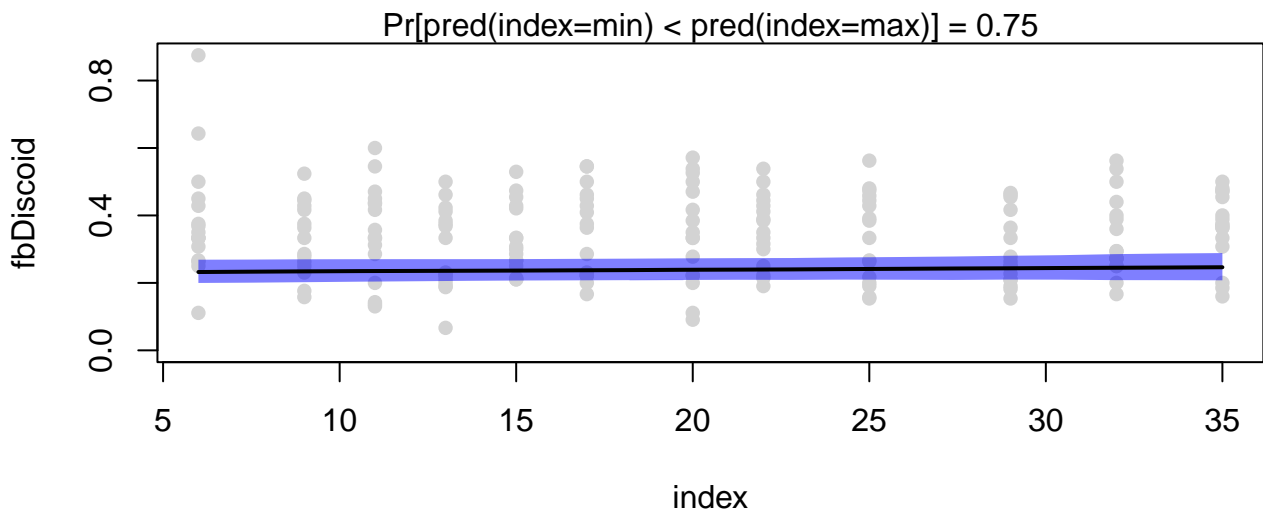
$$\Pr[\text{pred}(\text{index}=\text{min}) > \text{pred}(\text{index}=\text{max})] = 0.67$$



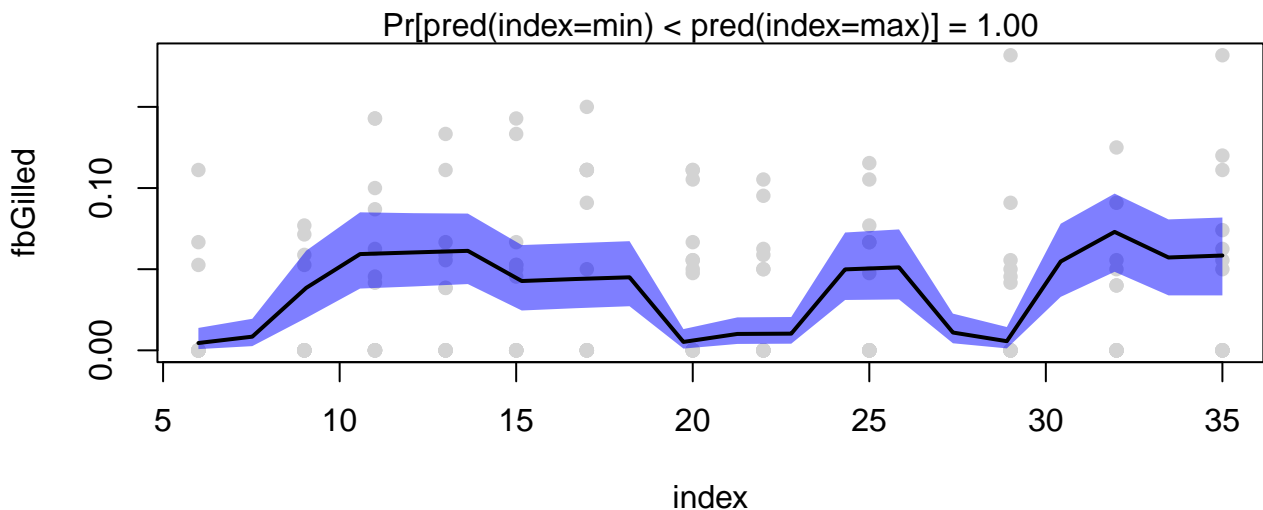
## presence-absence model: community weighted mean trait (total effect)



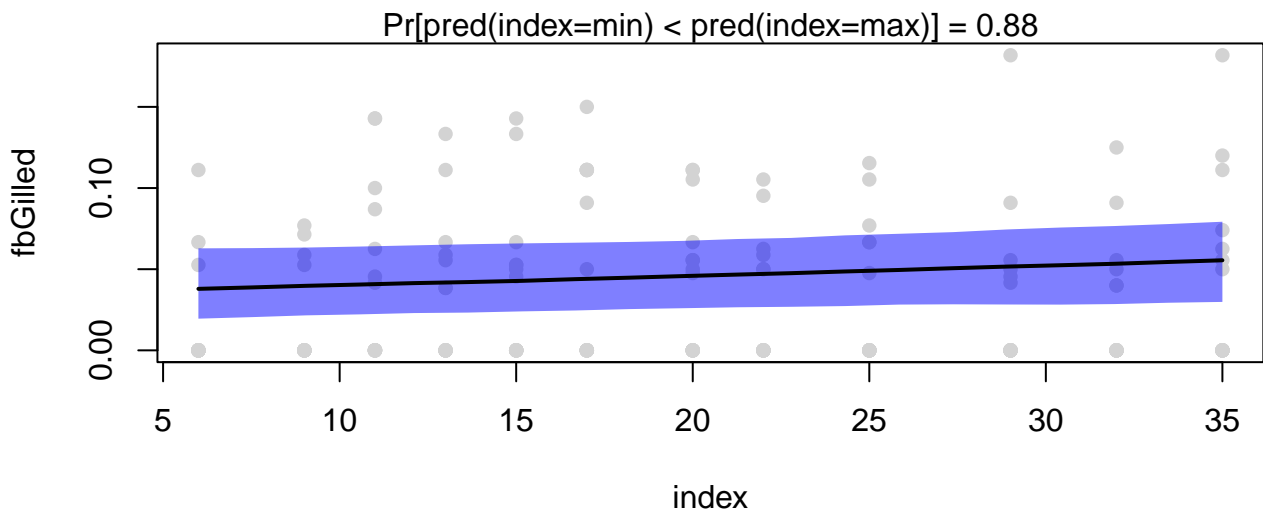
## presence-absence model: community weighted mean trait (marginal effect)



## presence-absence model: community weighted mean trait (total effect)

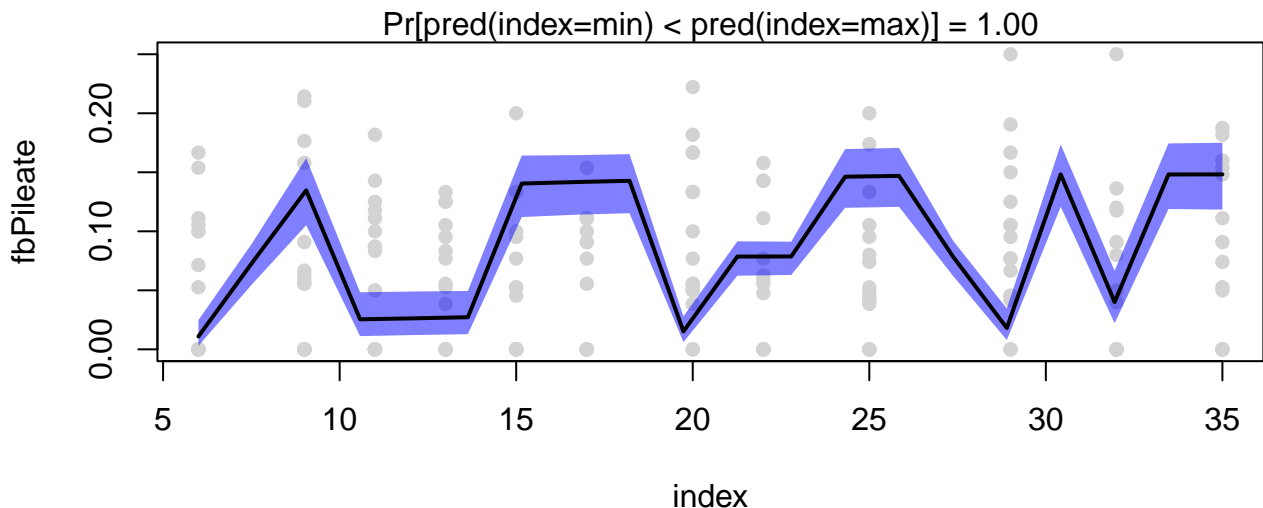


## presence-absence model: community weighted mean trait (marginal effect)

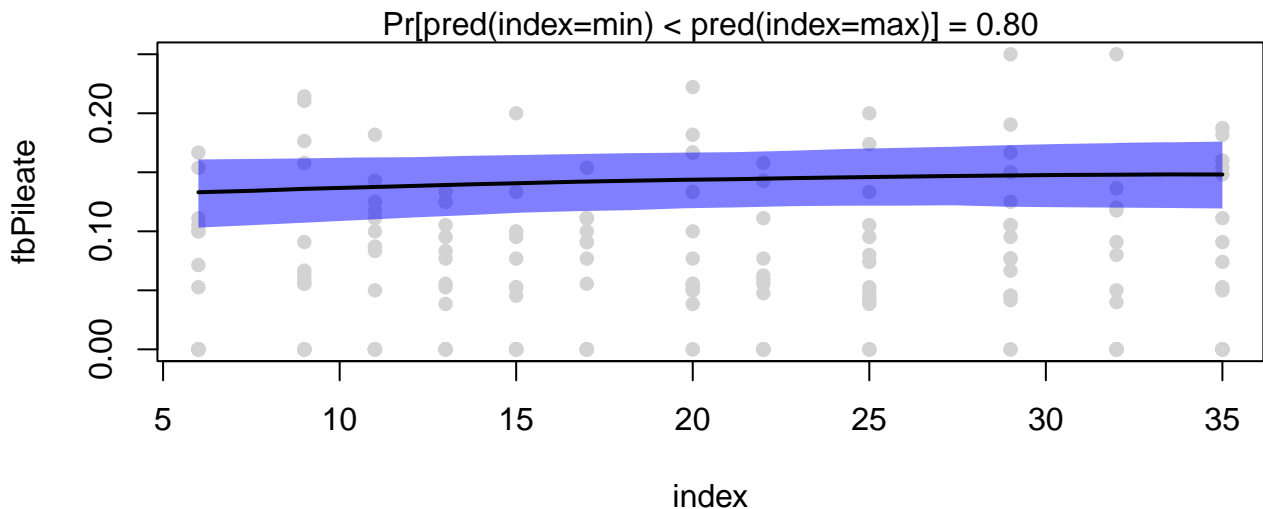




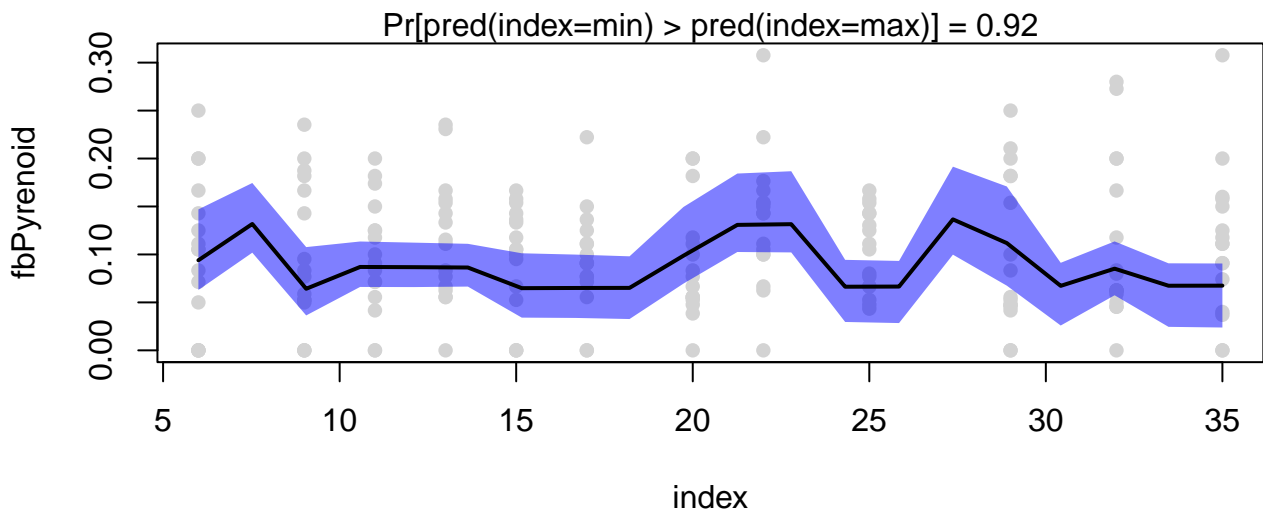
## presence-absence model: community weighted mean trait (total effect)



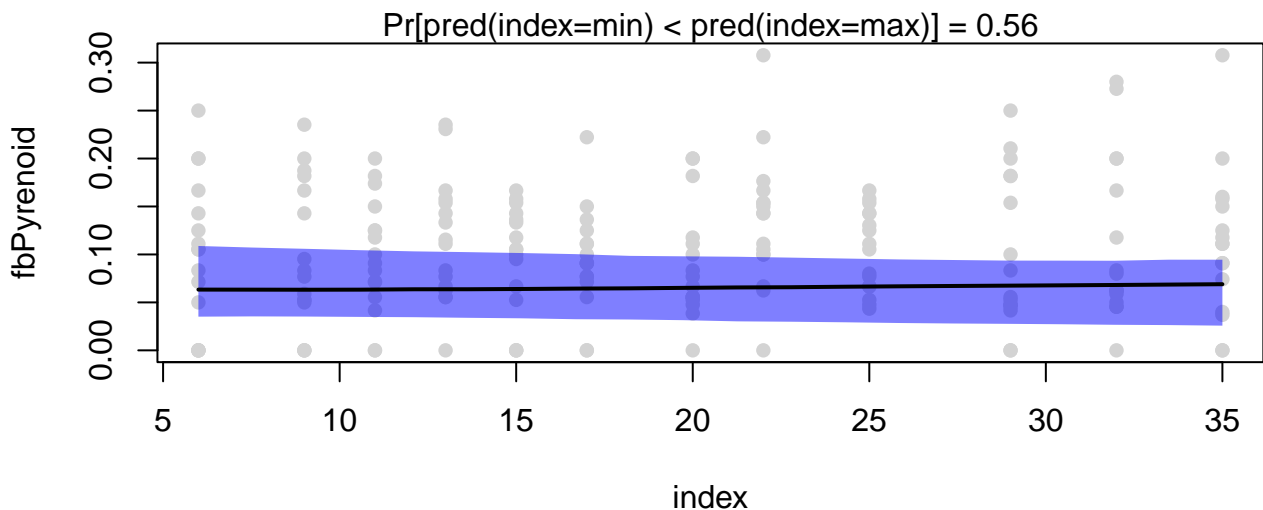
## presence-absence model: community weighted mean trait (marginal effect)



## presence-absence model: community weighted mean trait (total effect)

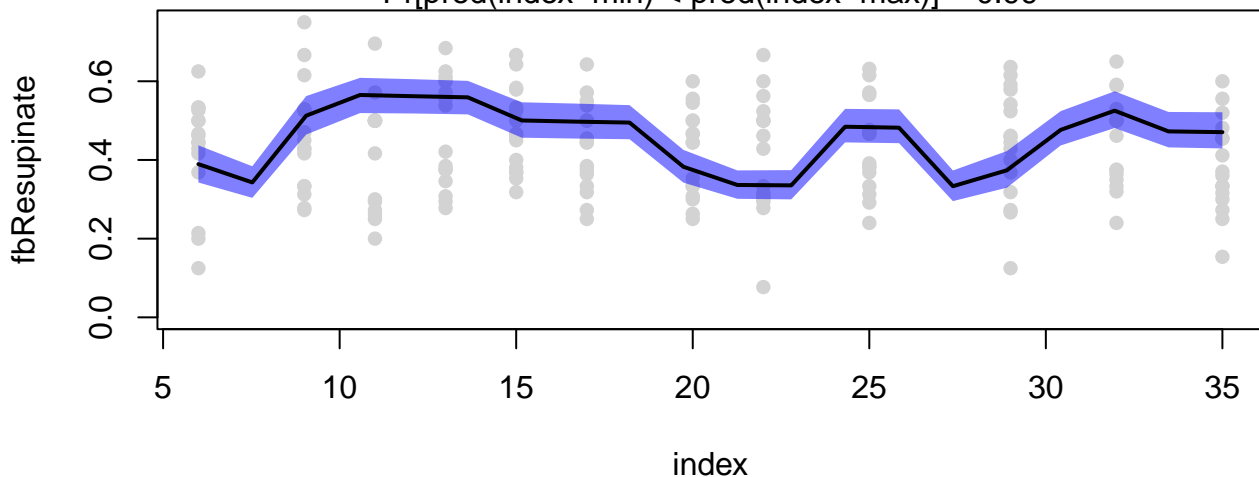


## presence-absence model: community weighted mean trait (marginal effect)



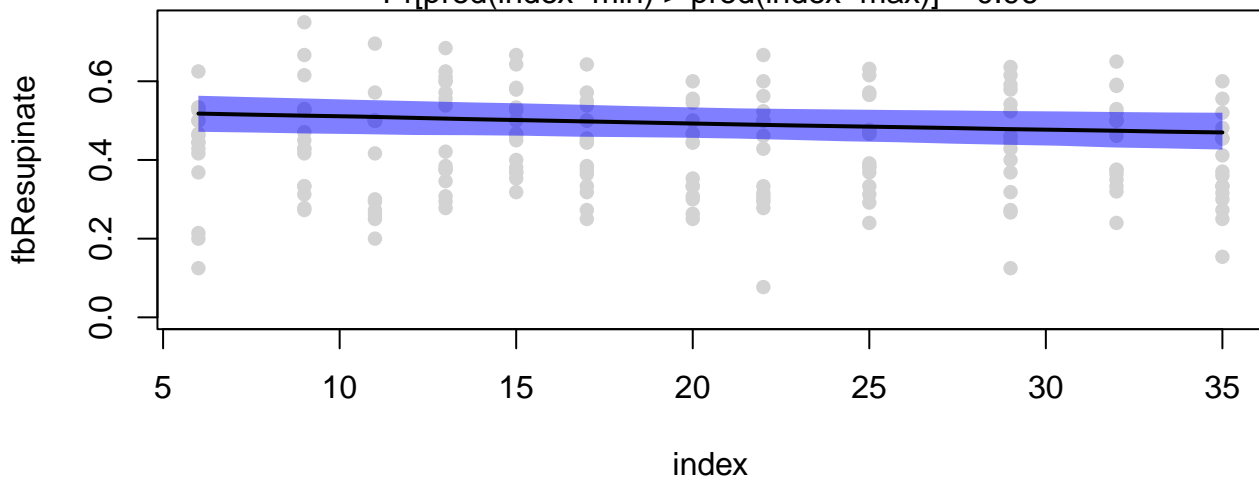
## presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 0.99$

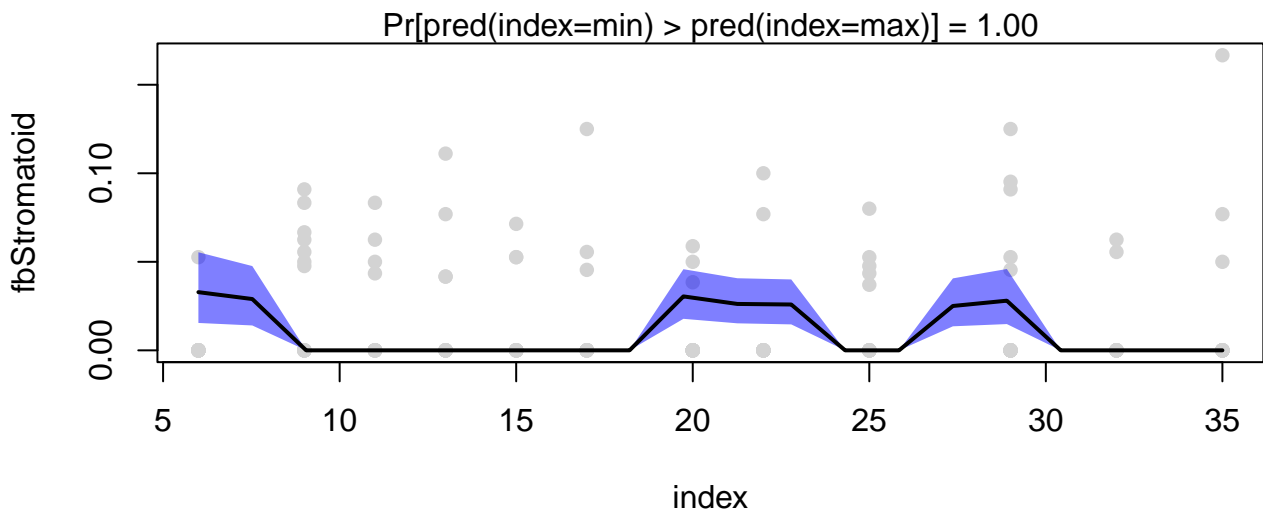


## presence-absence model: community weighted mean trait (marginal effect)

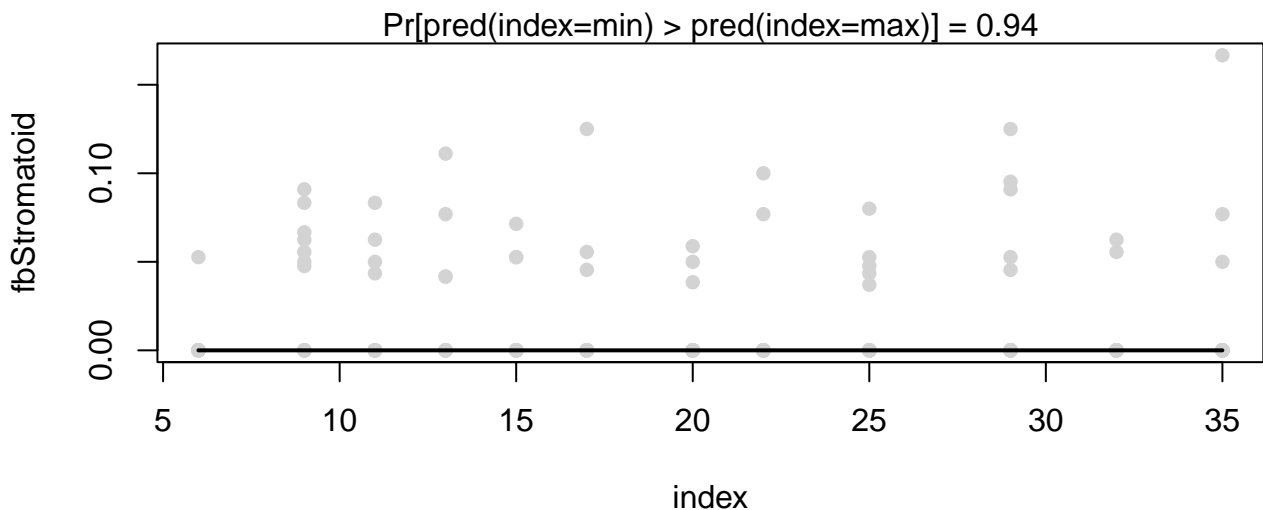
$\Pr[\text{pred}(\text{index}=\text{min}) > \text{pred}(\text{index}=\text{max})] = 0.96$



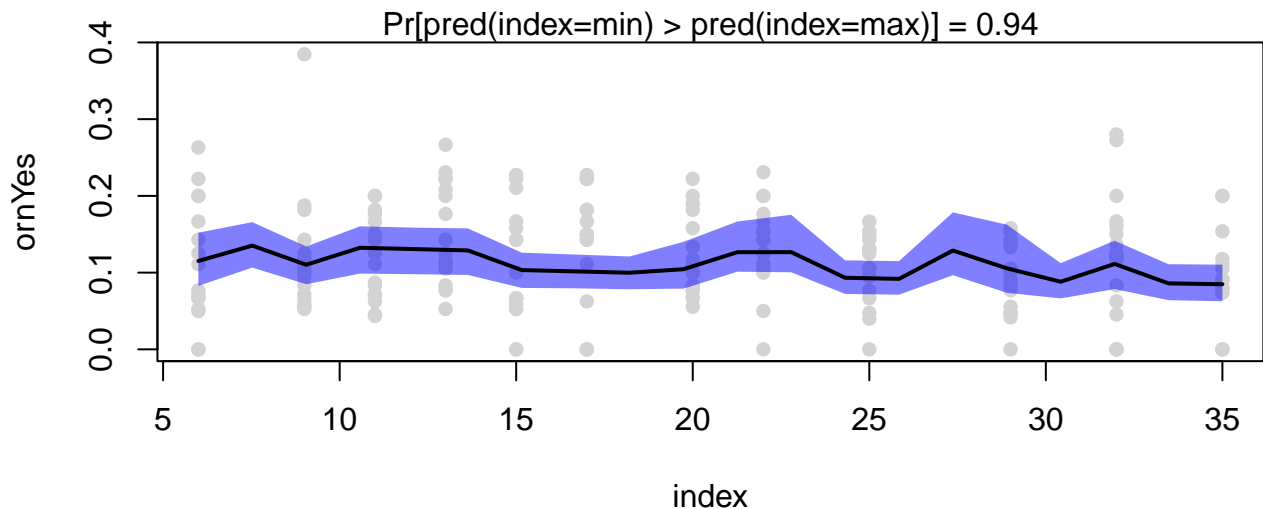
## presence-absence model: community weighted mean trait (total effect)



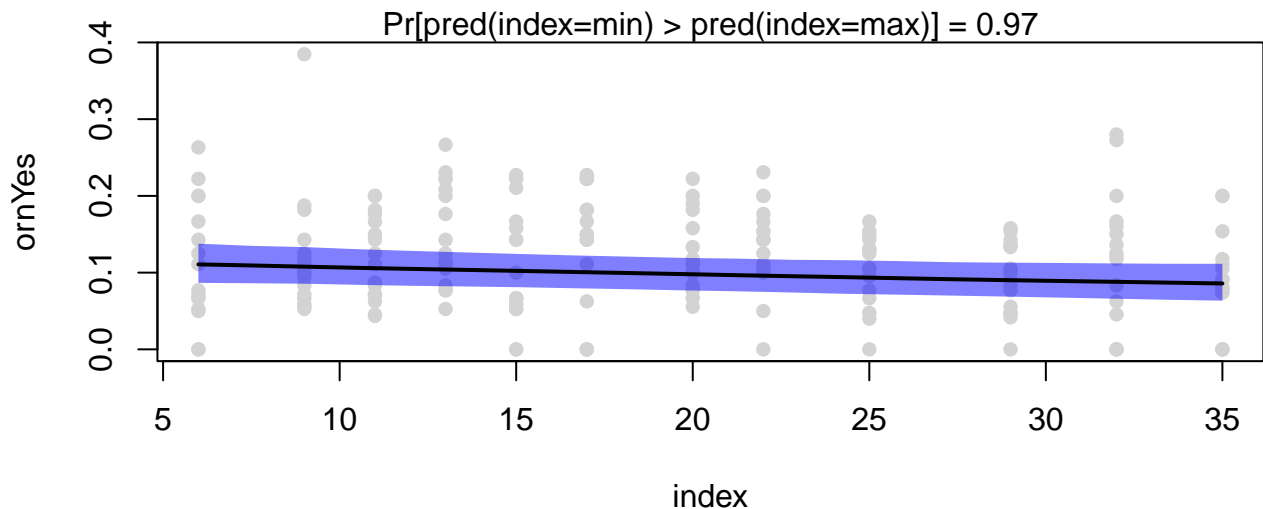
## presence-absence model: community weighted mean trait (marginal effect)



## presence-absence model: community weighted mean trait (total effect)

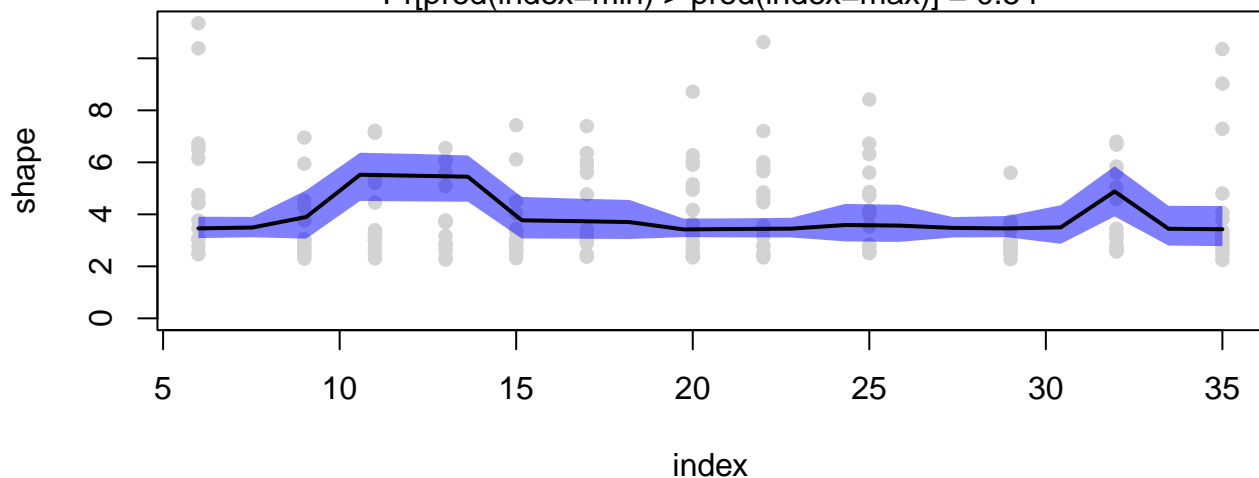


## presence-absence model: community weighted mean trait (marginal effect)



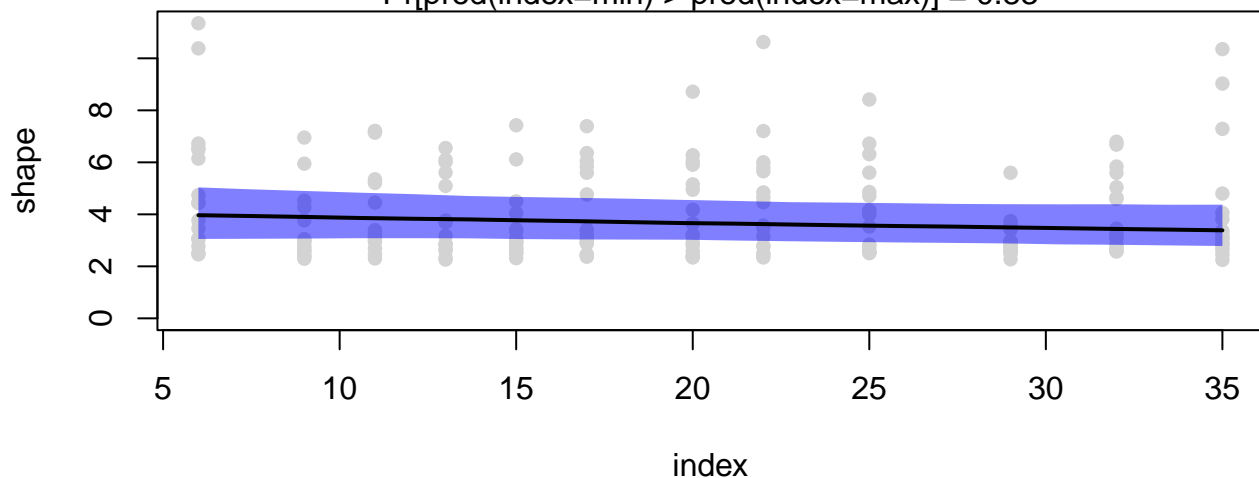
## presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{index}=\text{min}) > \text{pred}(\text{index}=\text{max})] = 0.54$



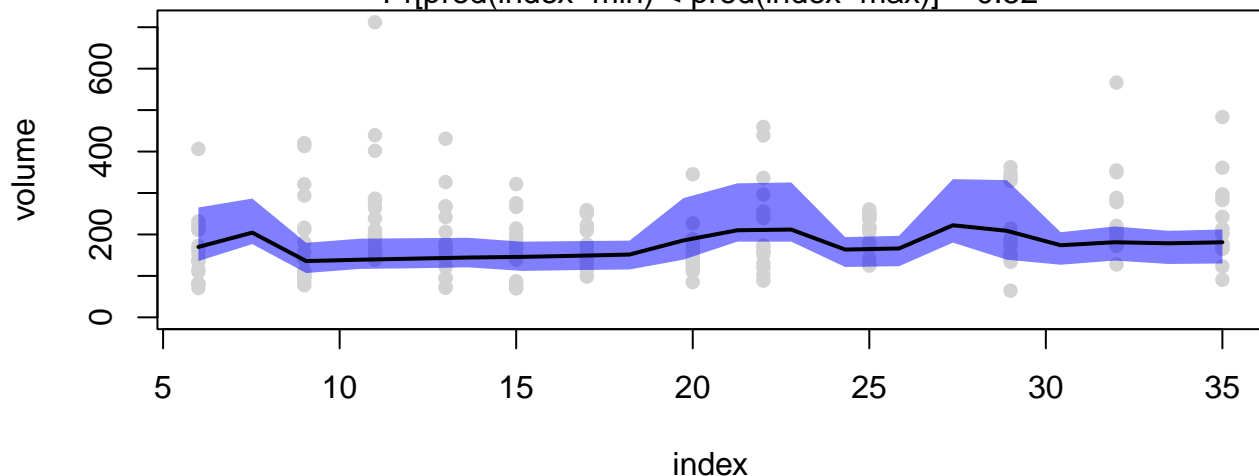
## presence-absence model: community weighted mean trait (marginal effect)

$\Pr[\text{pred}(\text{index}=\text{min}) > \text{pred}(\text{index}=\text{max})] = 0.83$



## presence-absence model: community weighted mean trait (total effect)

$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 0.52$



## presence-absence model: community weighted mean trait (marginal effect)

$\Pr[\text{pred}(\text{index}=\text{min}) < \text{pred}(\text{index}=\text{max})] = 0.93$

