

## Hyper Means

mean = -0.0323

95% HDI  
-0.1290 0.0613

mean = -0.0208

95% HDI  
-0.0999 0.0588

mean = -0.0894

95% HDI  
-0.1700 0.00573

maxT\_spawn

RB\_spawn

medianQ

mean = -0.00168

95% HDI  
-0.108 0.107

mean = -0.0786

95% HDI  
-0.169 0.0479

mean = -0.0361

95% HDI  
-0.107 0.0361

avgT\_grow

RB\_emerge

breakup

mean = -0.144

95% HDI  
-0.241 -0.046

mean = 0.0841

95% HDI  
0.0139 0.157

mean = -0.0708

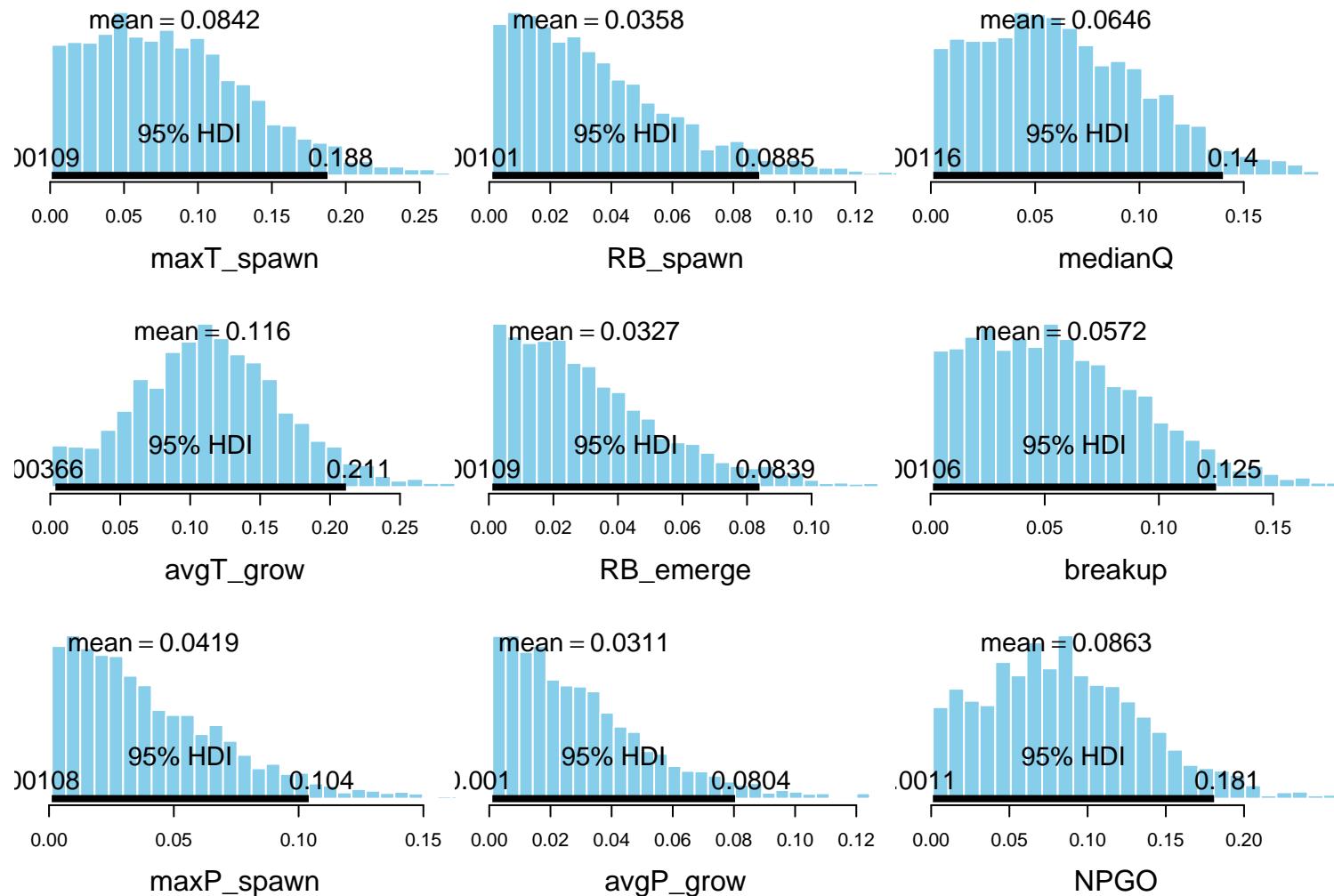
95% HDI  
-0.164 0.0241

maxP\_spawn

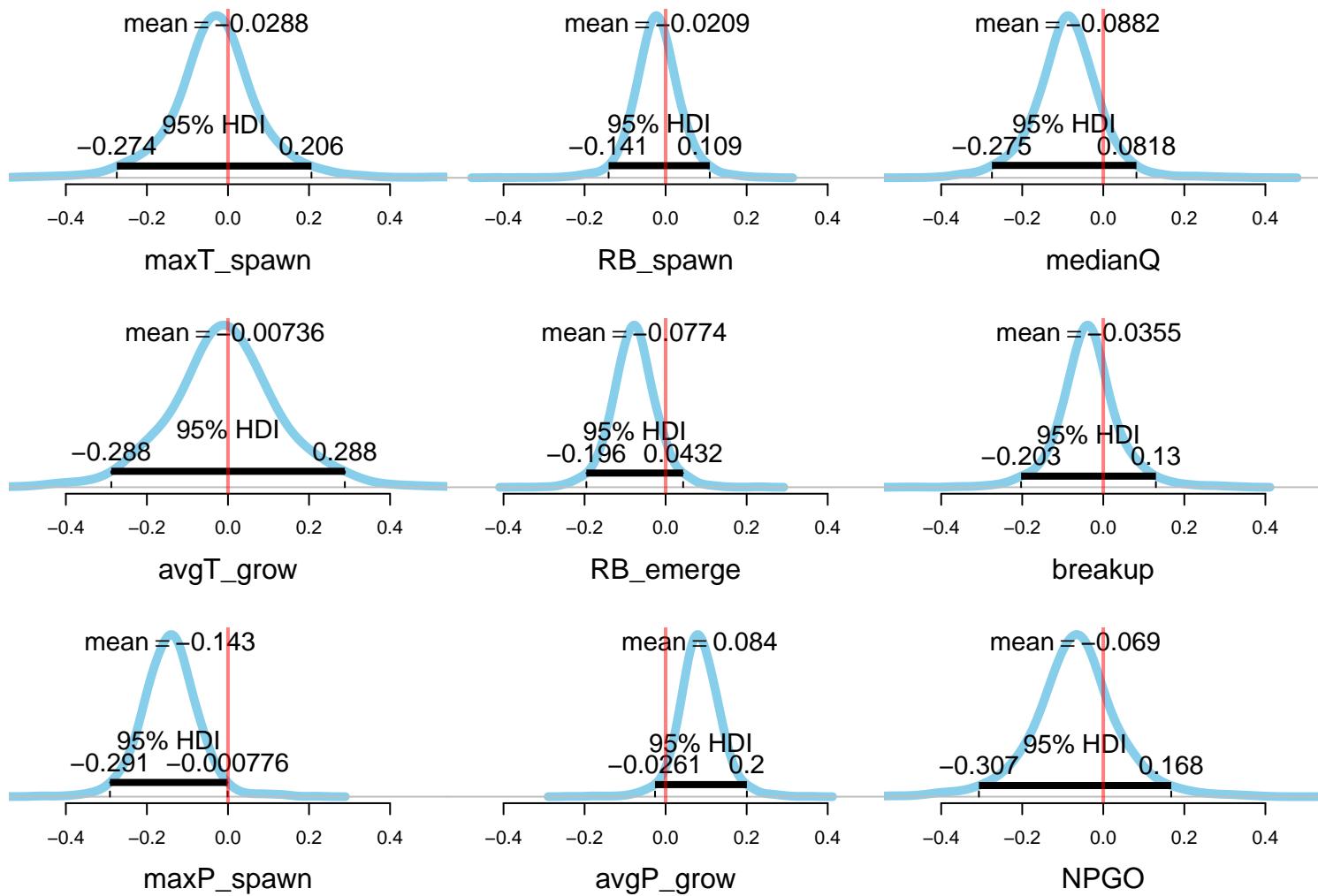
avgP\_grow

NPGO

# Hyper StDevs

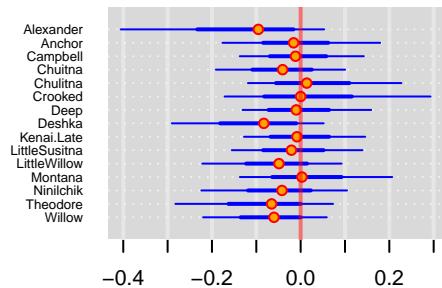


## Full Covariate Prior Distribution (dist.coef)

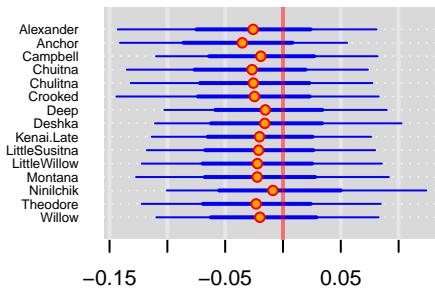


Population

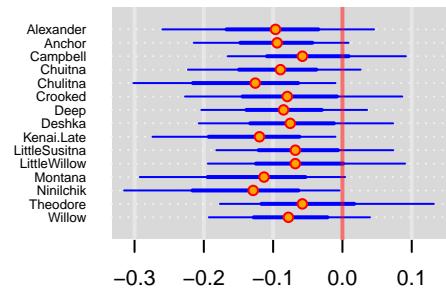
maxT\_spawn



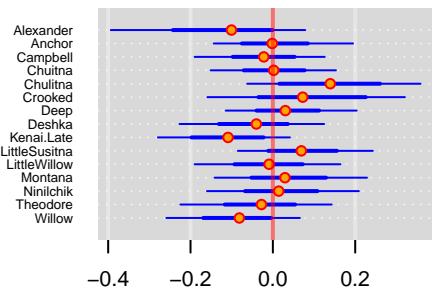
RB\_spawn



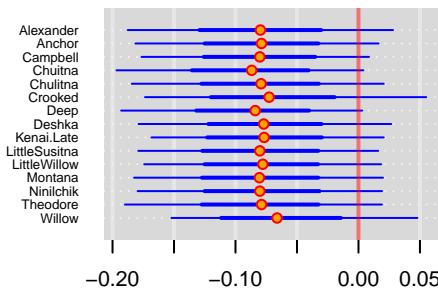
medianQ



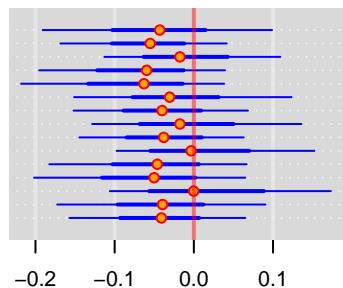
avgT\_grow



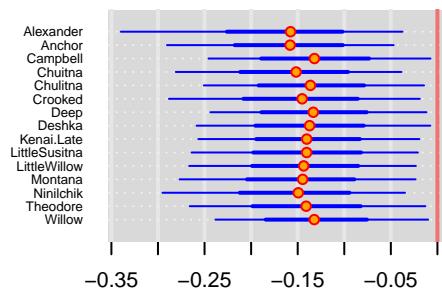
RB\_emerge



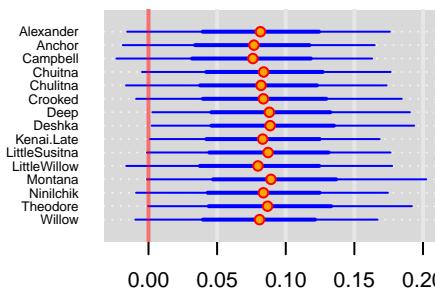
breakup



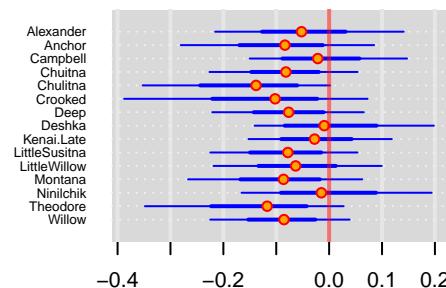
maxP\_spawn



avgP\_grow

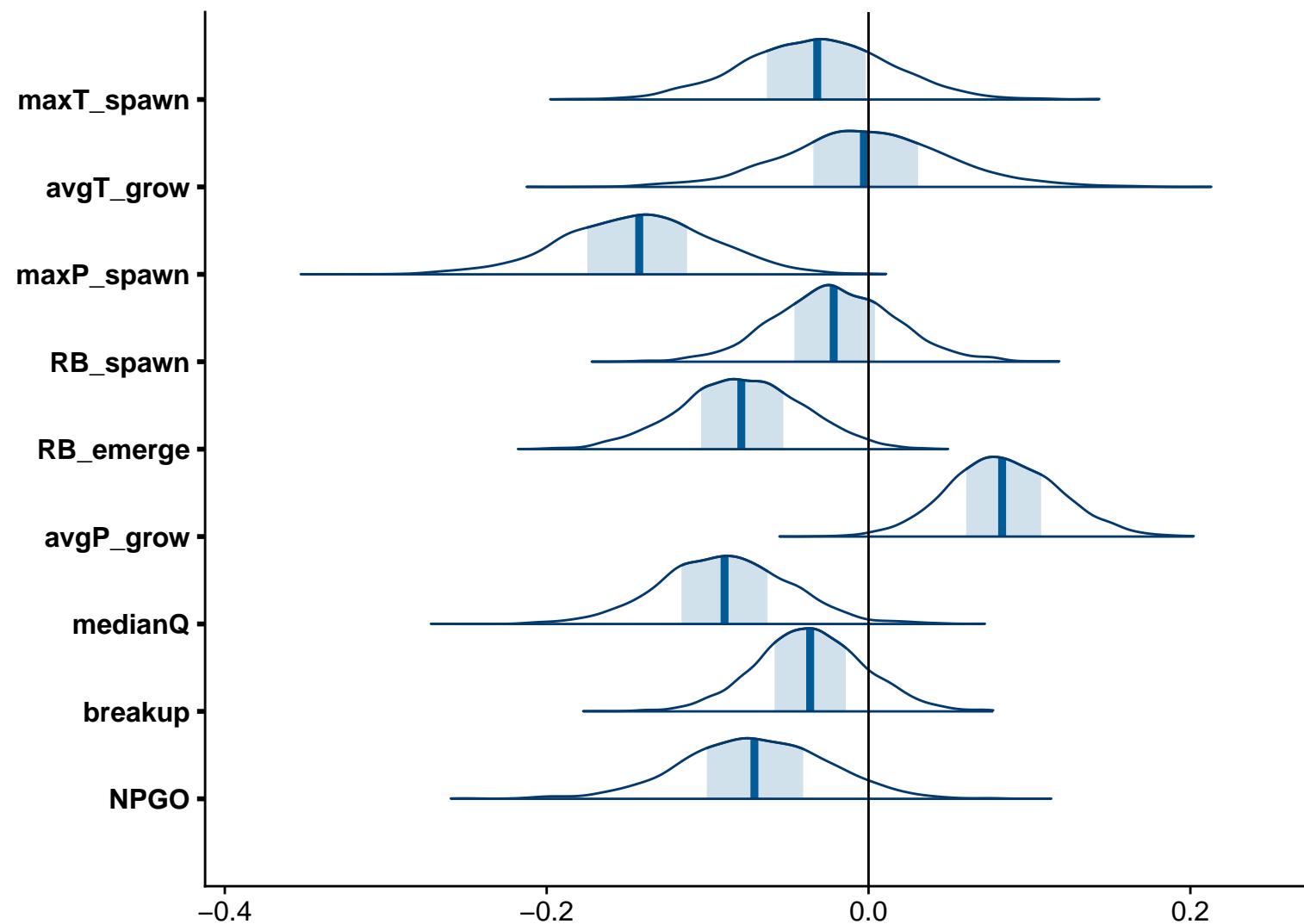


NPGO

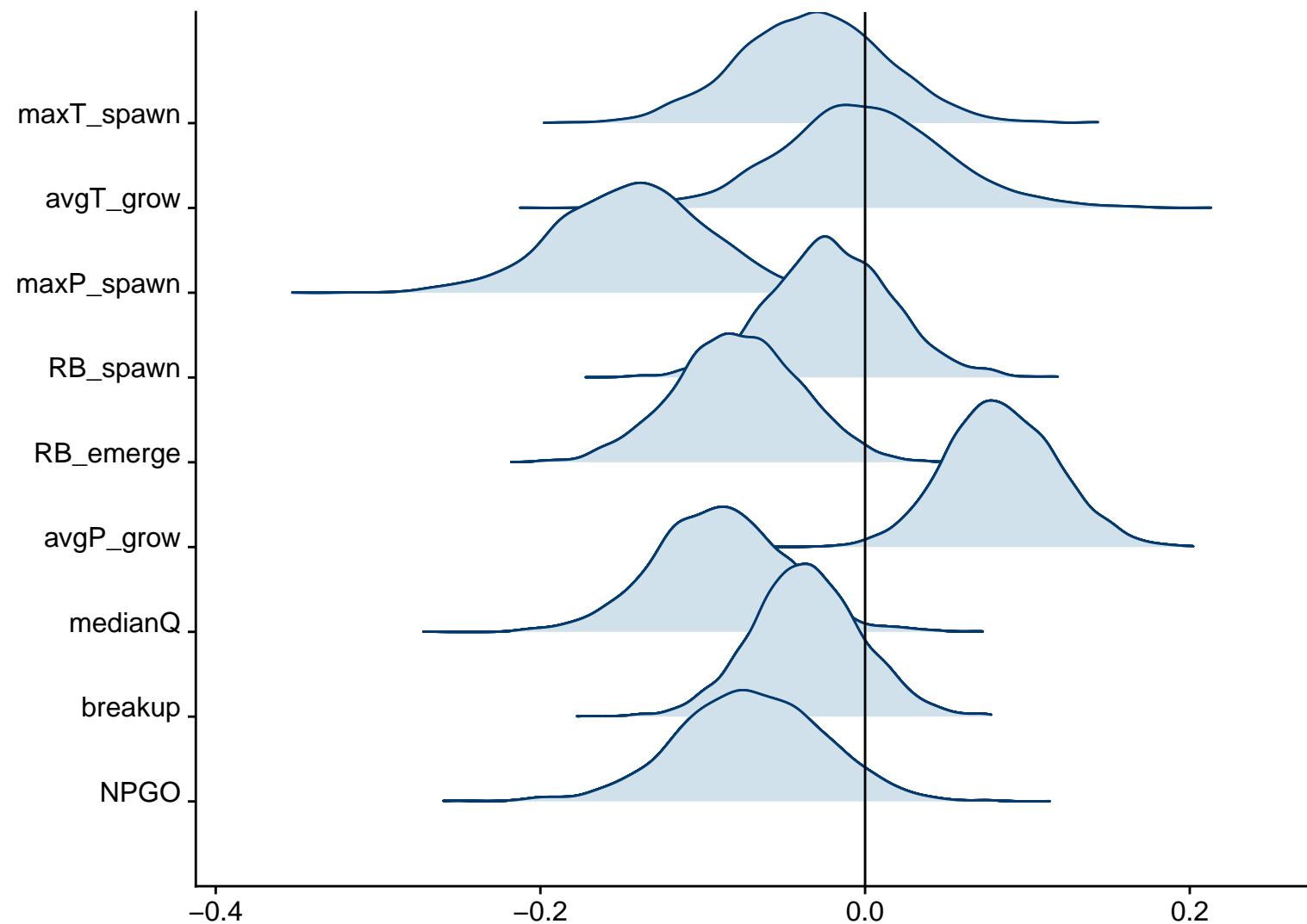


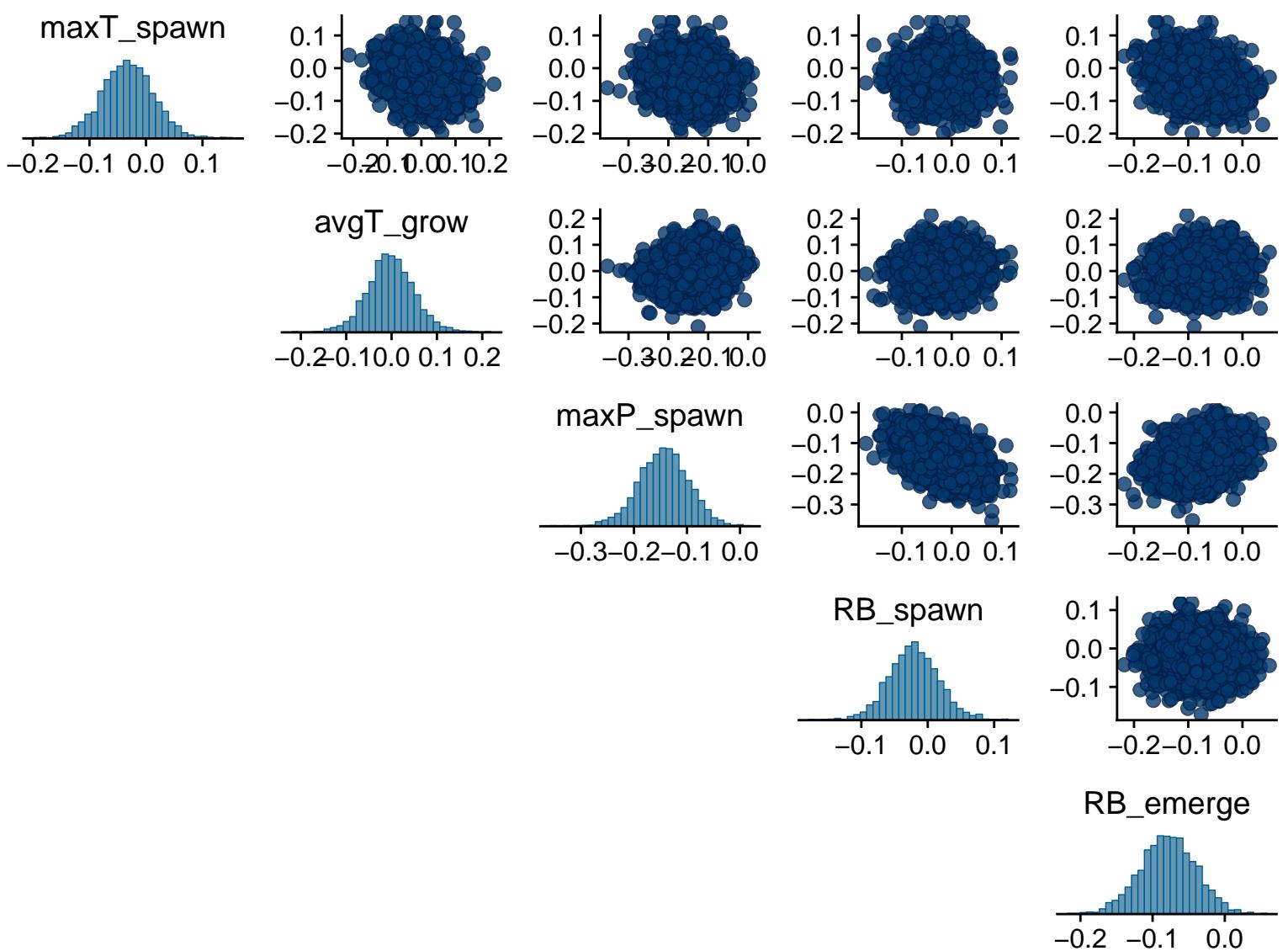
Coefficient (Effect)

## Group Means (mu.coef)

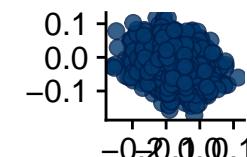
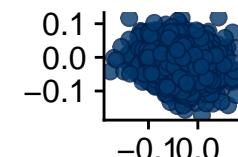
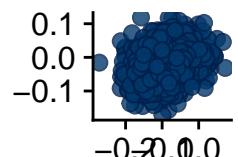
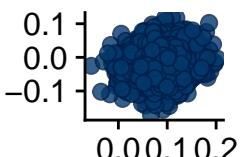
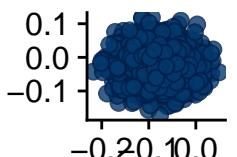
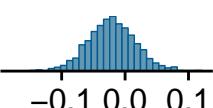


## Group Means (mu.coef)

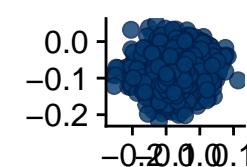
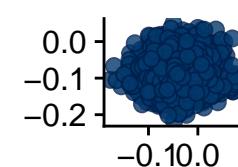
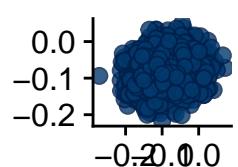
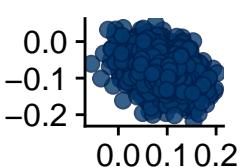
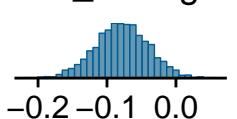




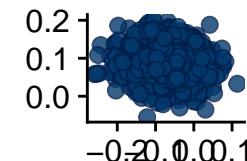
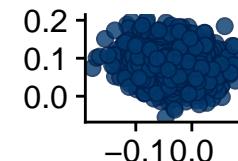
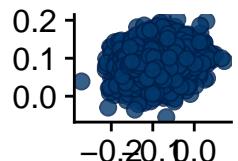
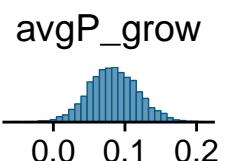
RB\_spawn



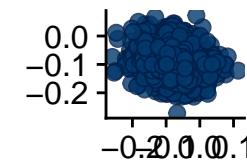
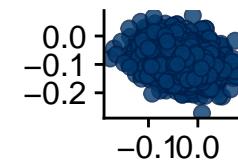
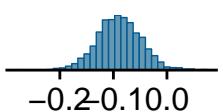
RB\_emerge



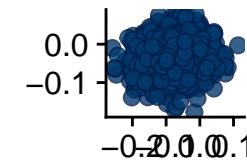
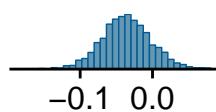
avgP\_grow



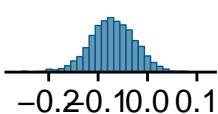
medianQ



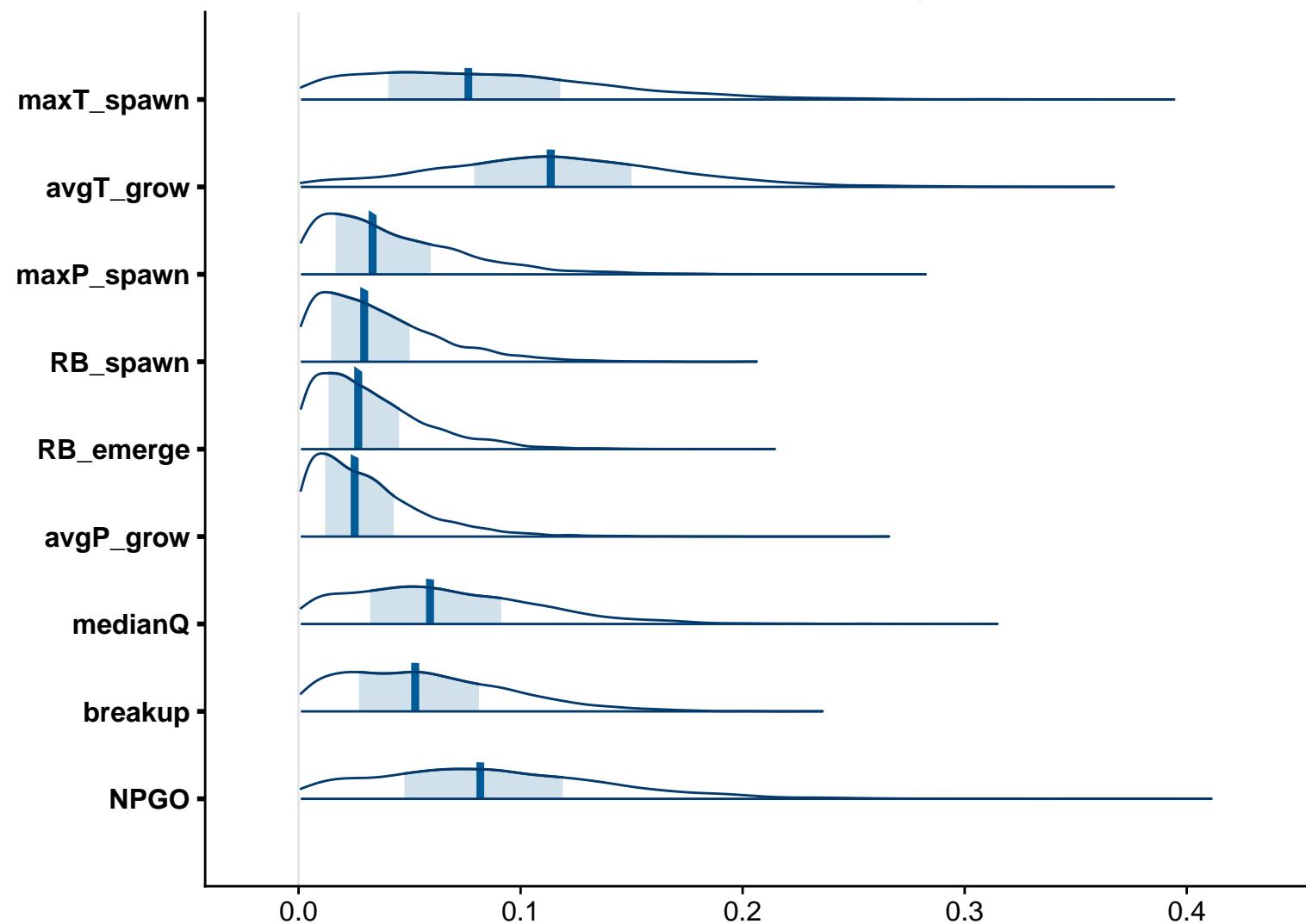
breakup

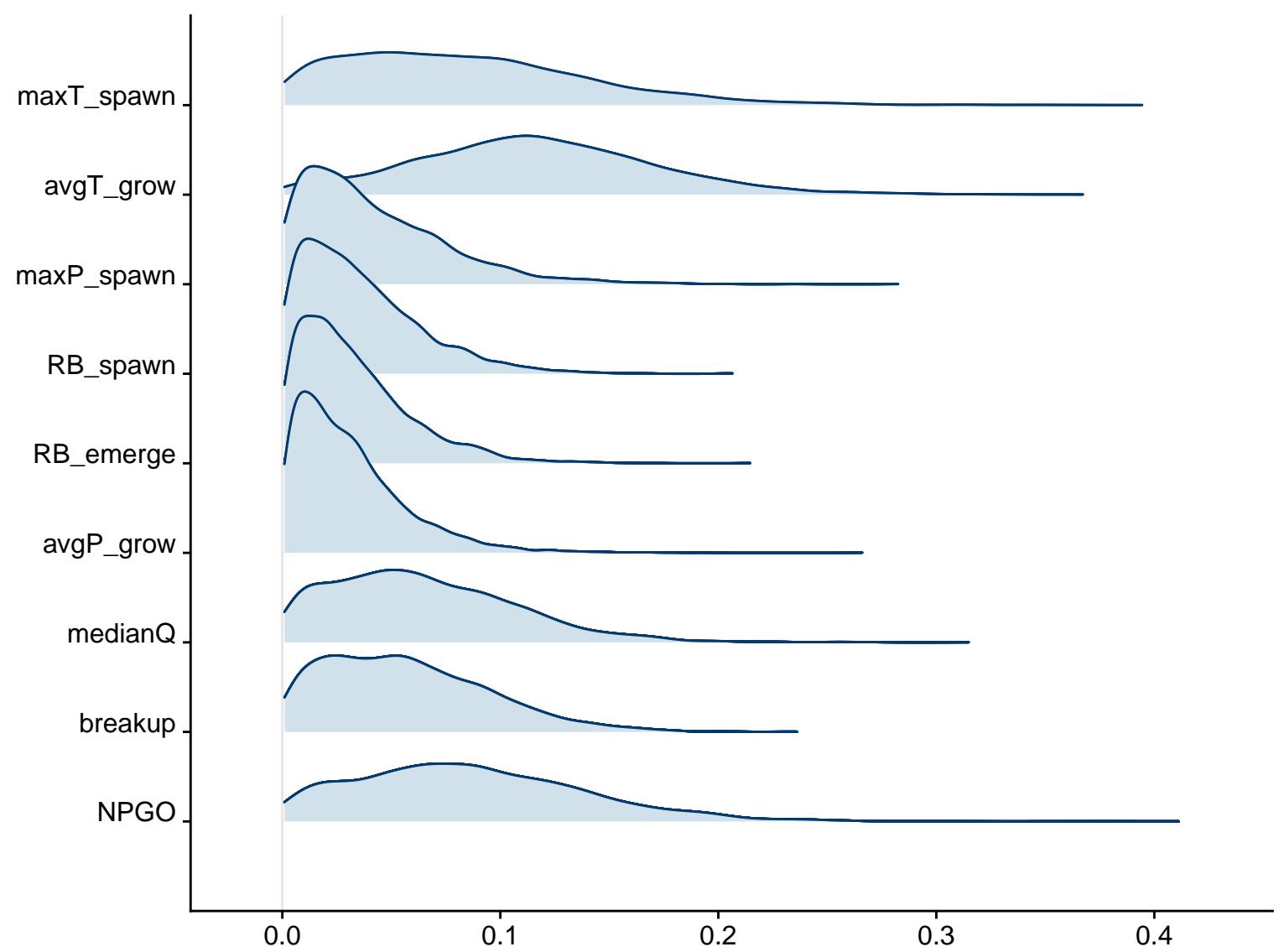


NPGO

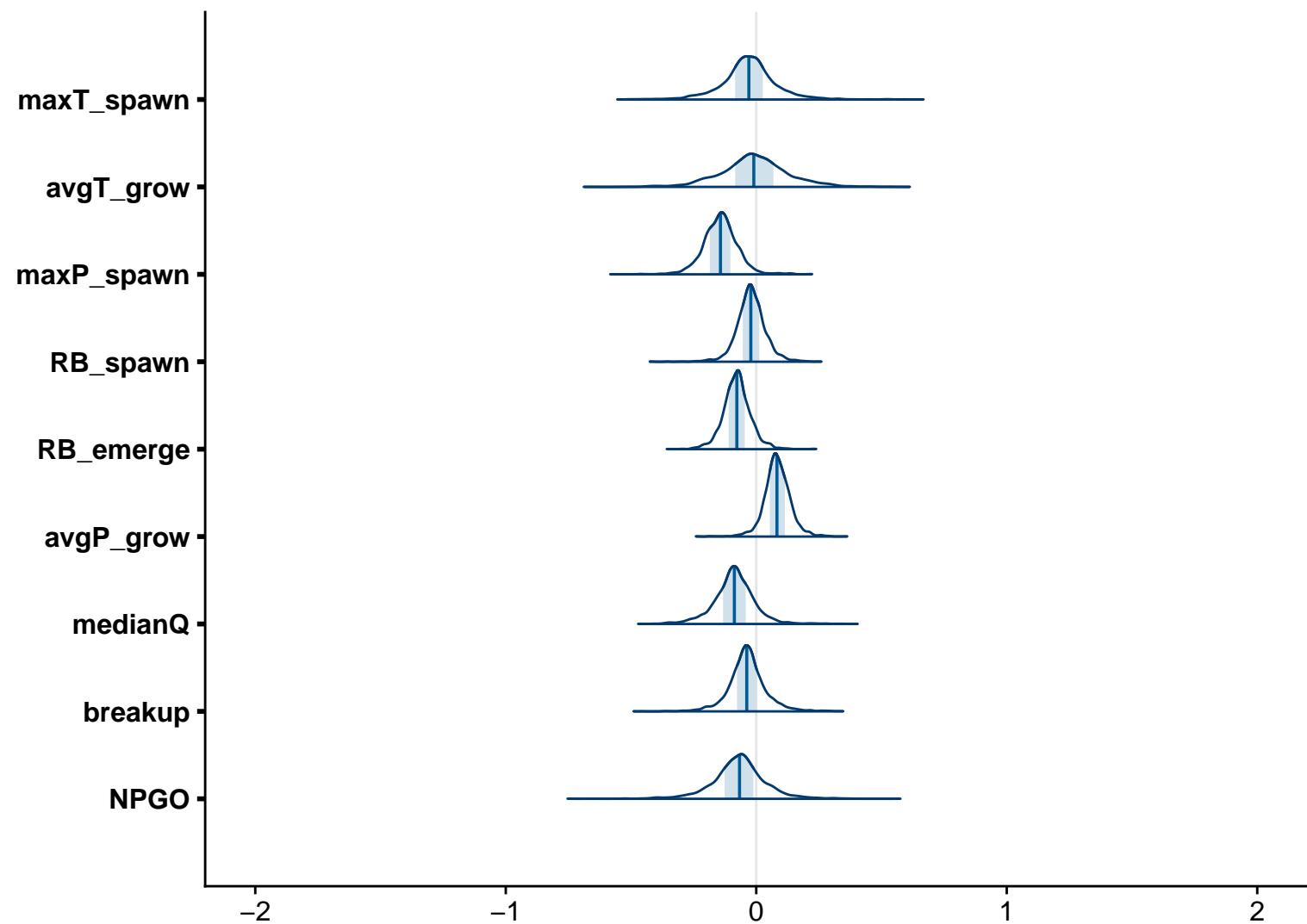


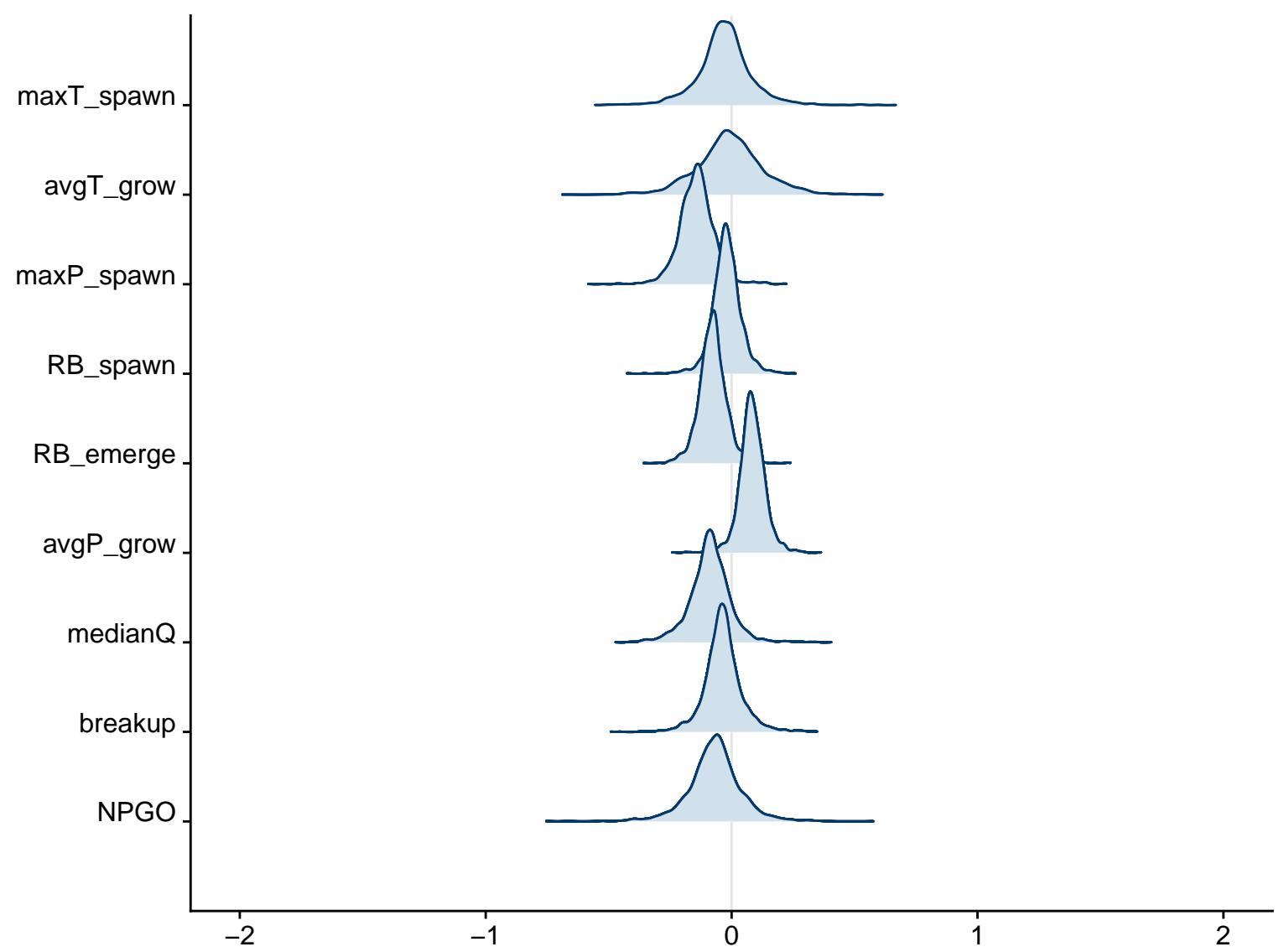
## Group Standard Deviations ( $\sigma.coef$ )



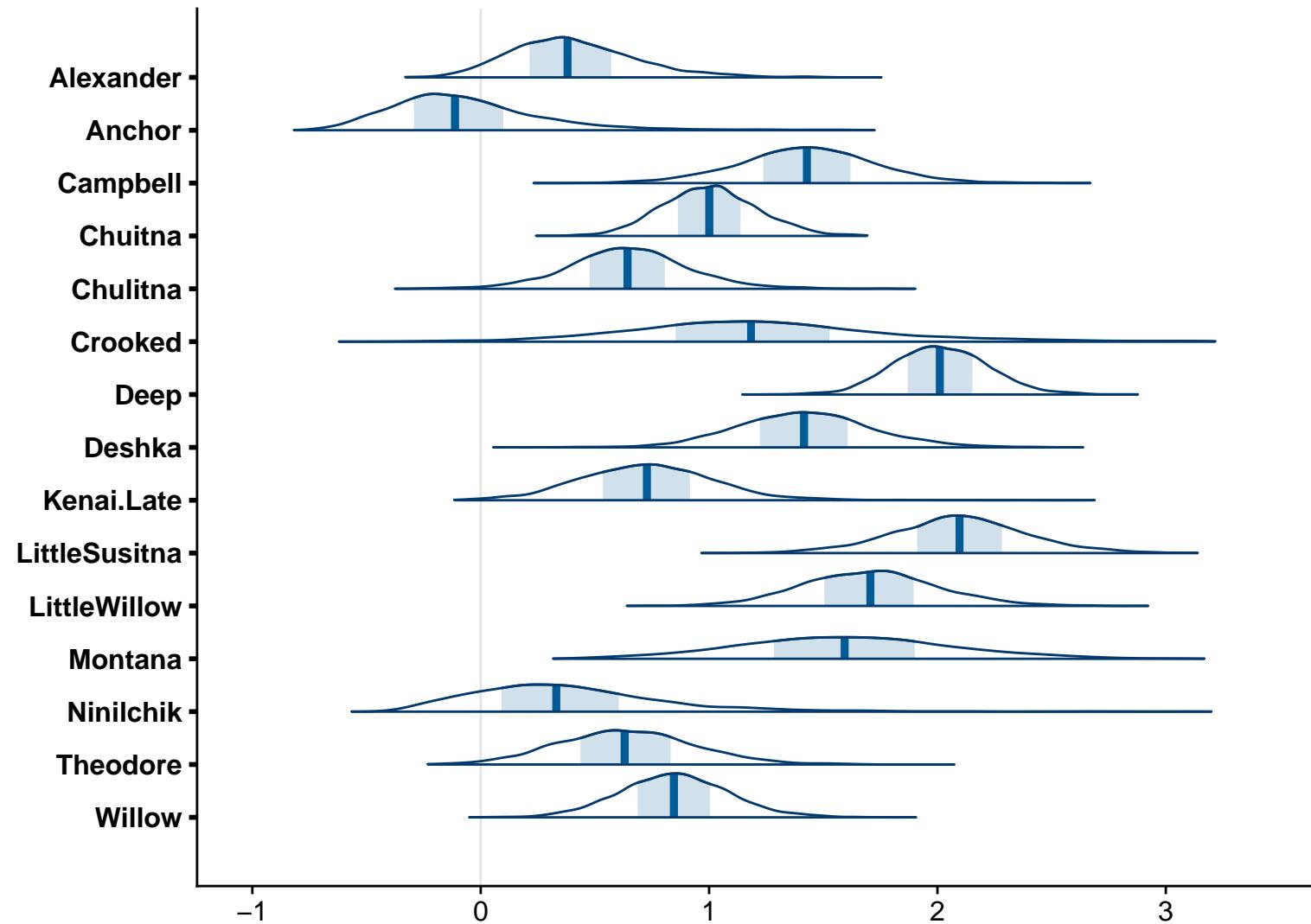


## Full Covariate Prior Distribution (dist.coef)

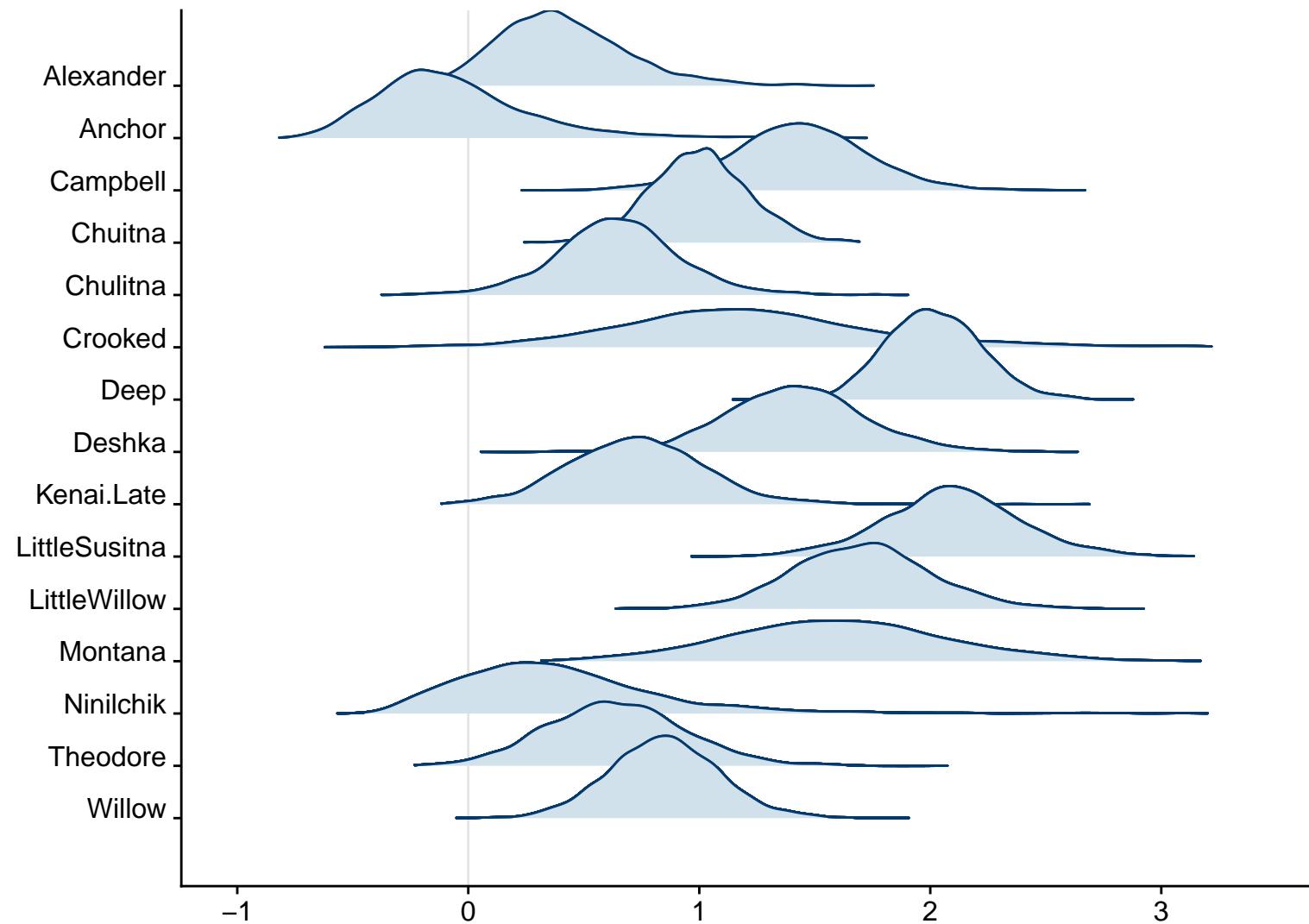




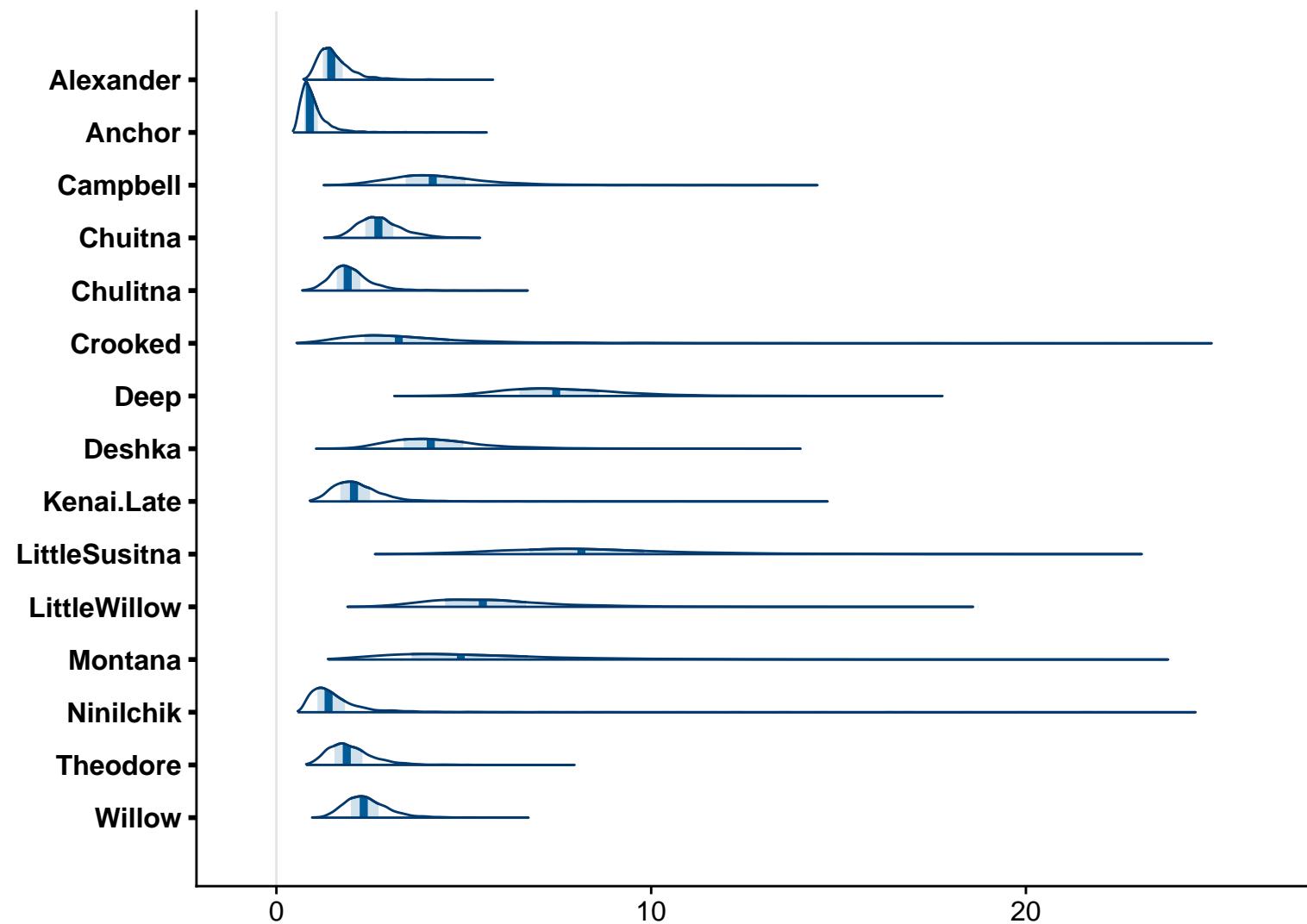
## Ricker Alpha



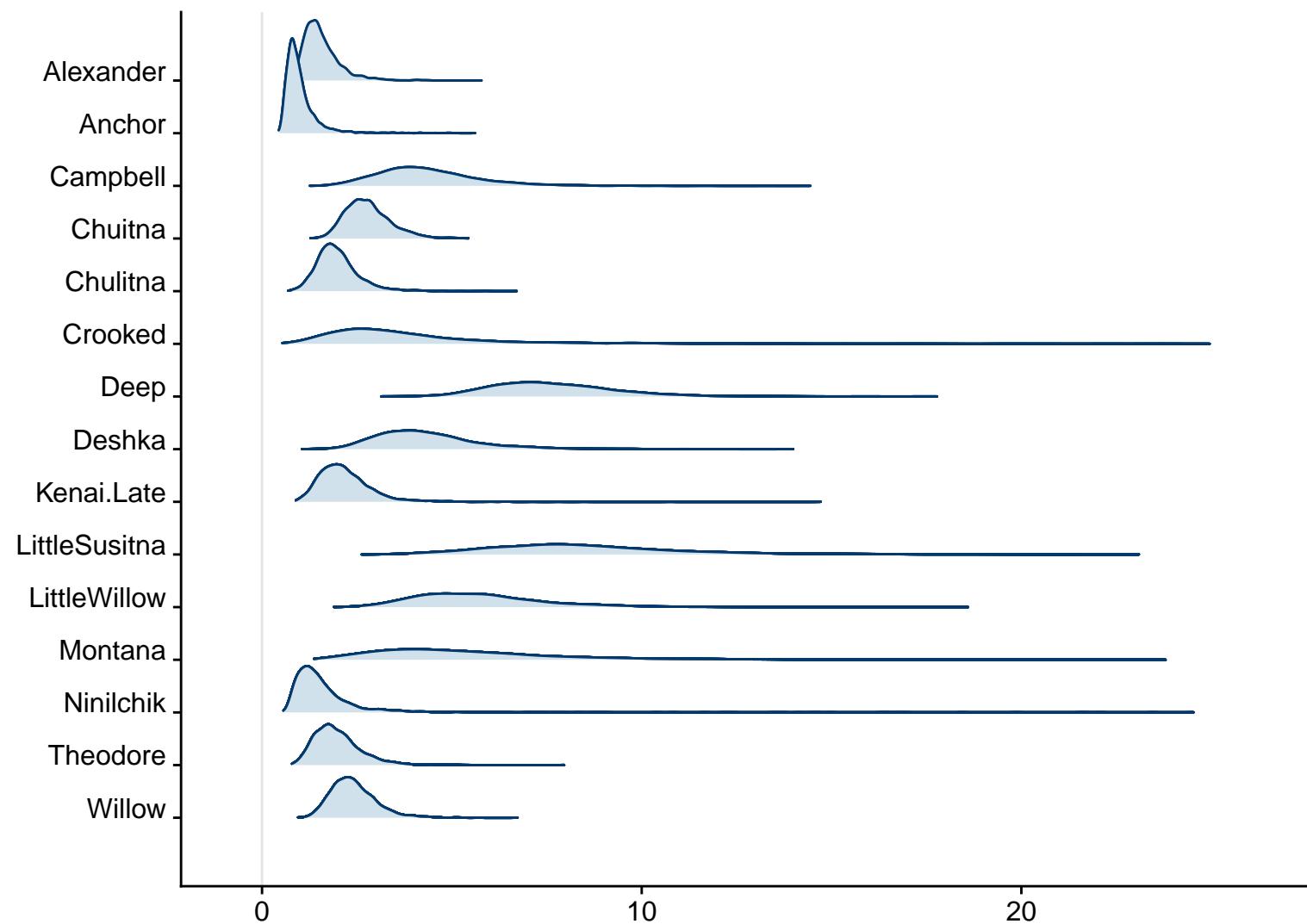
## Ricker Alpha



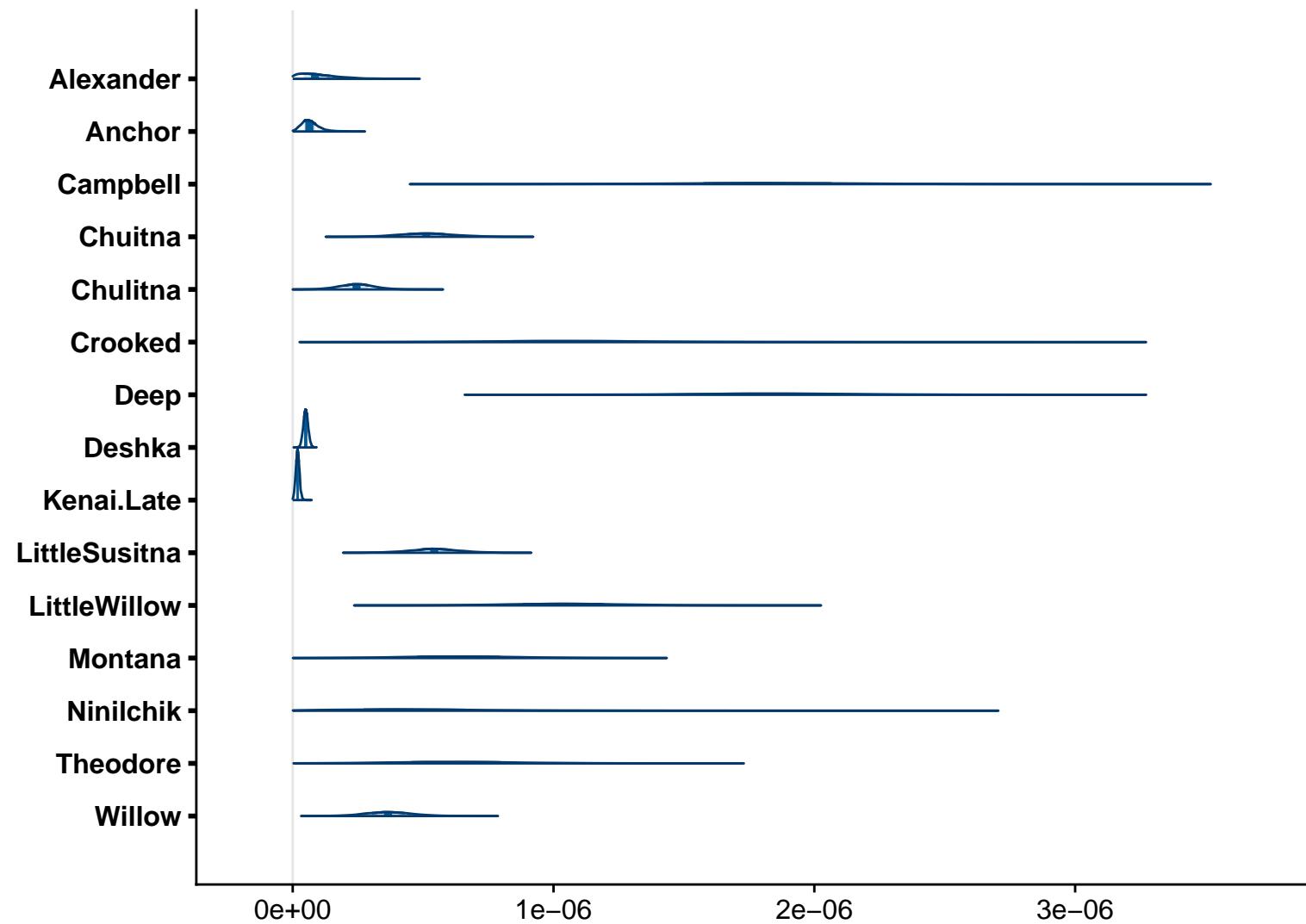
## Maximum Productivity RpS: $\exp(a)$



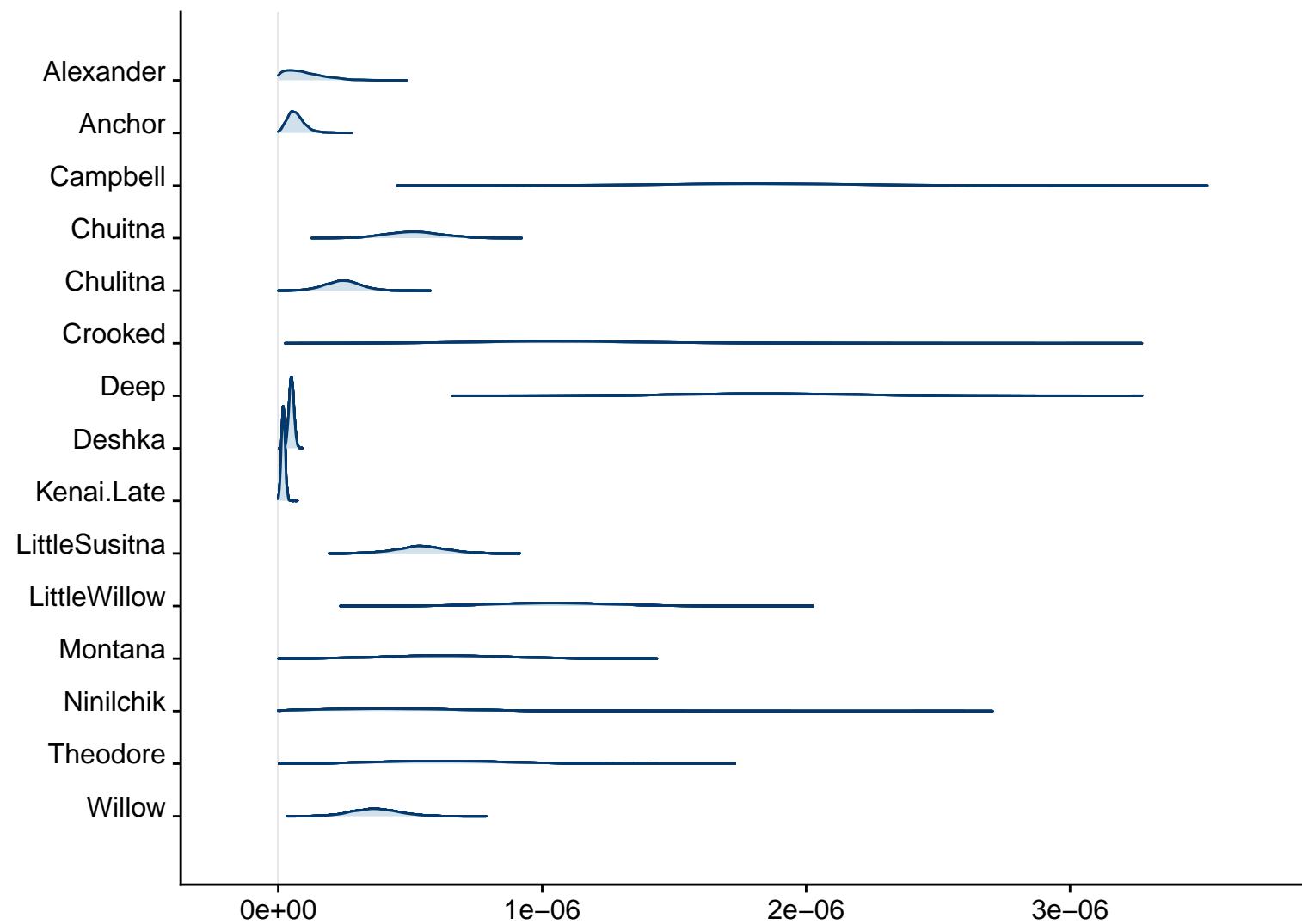
## Maximum Productivity RpS: $\exp(a)$



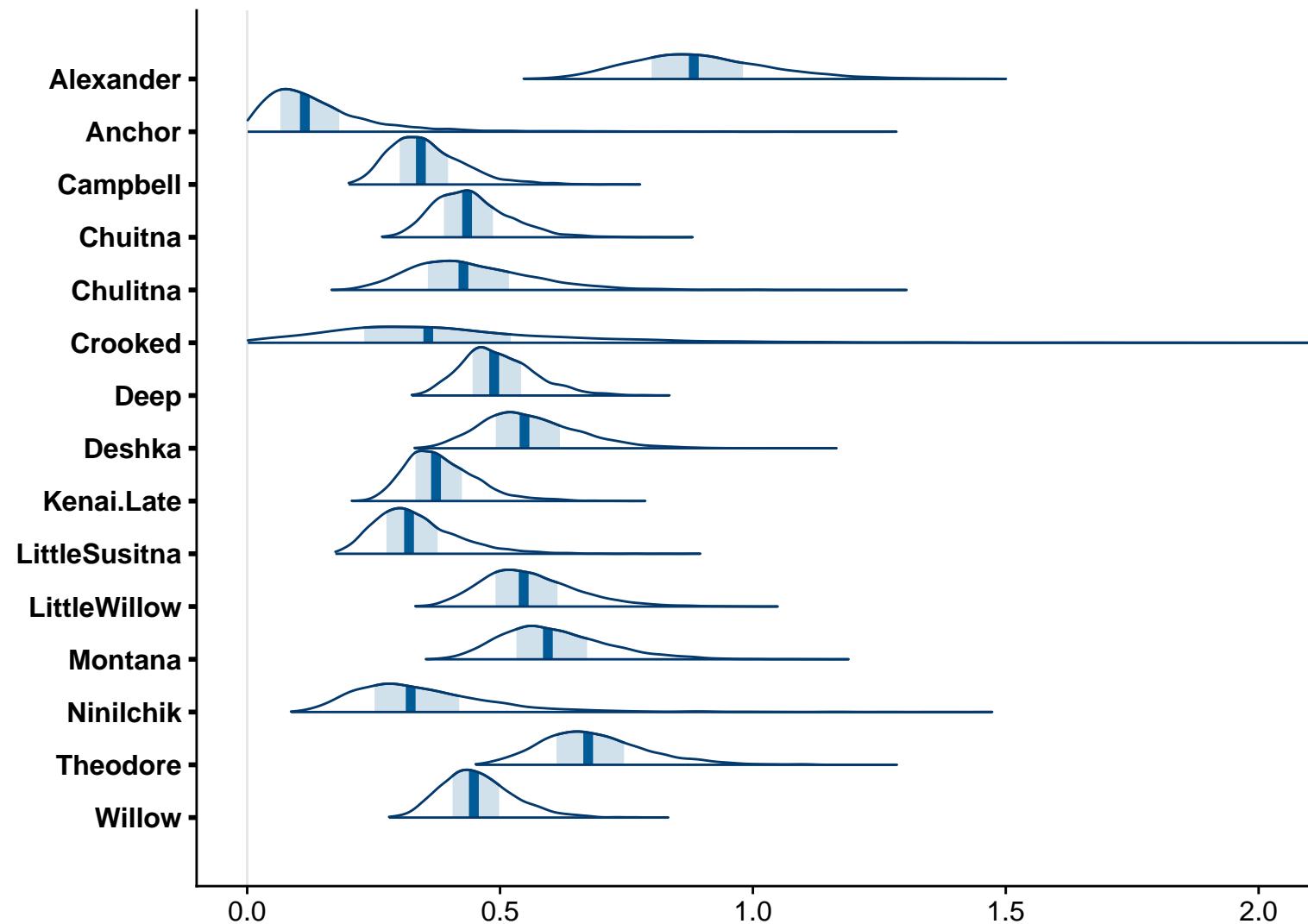
## Equilibrium Abundance (Beta) in Thousands



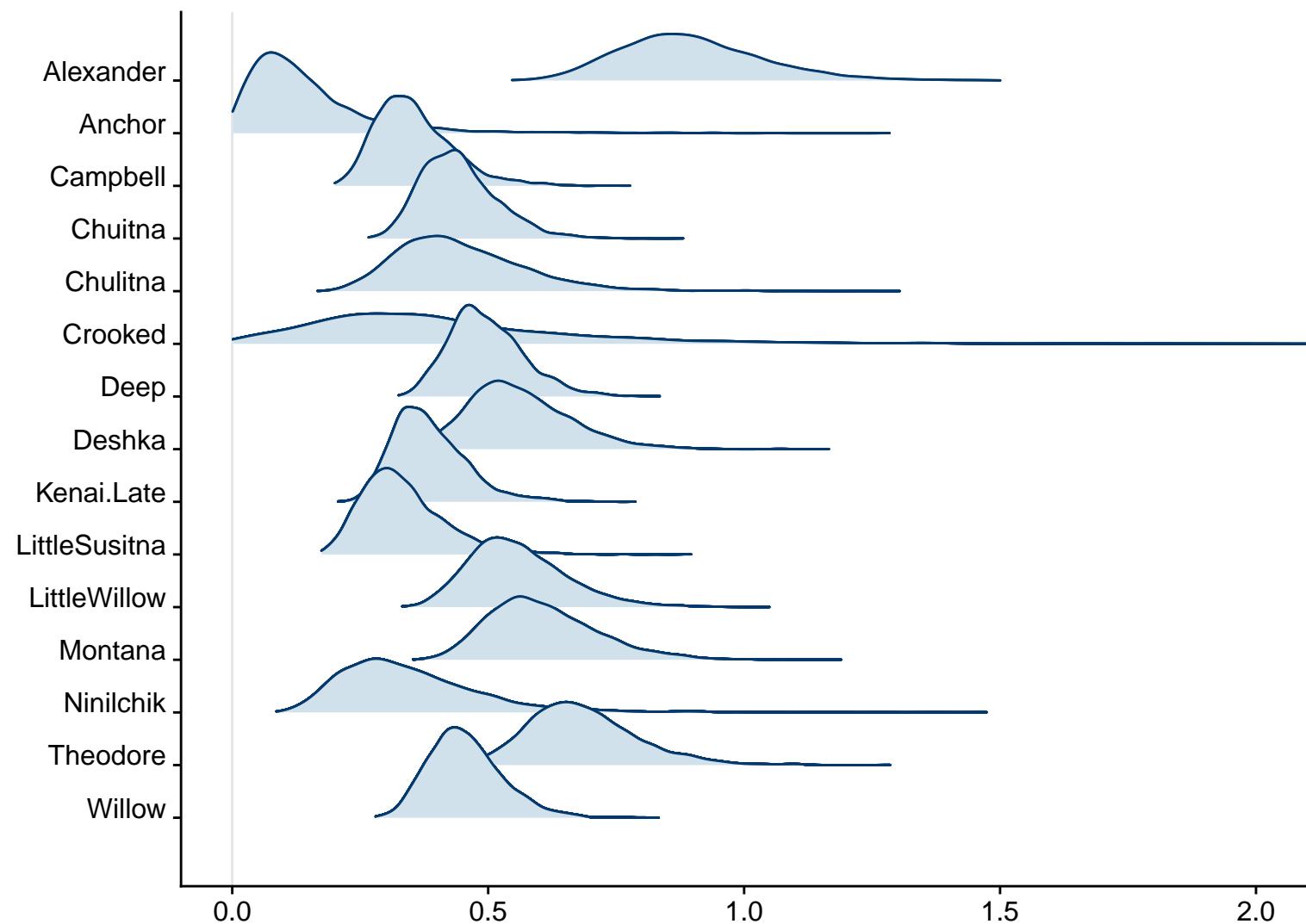
## Equilibrium Abundance (Beta) in Thousands

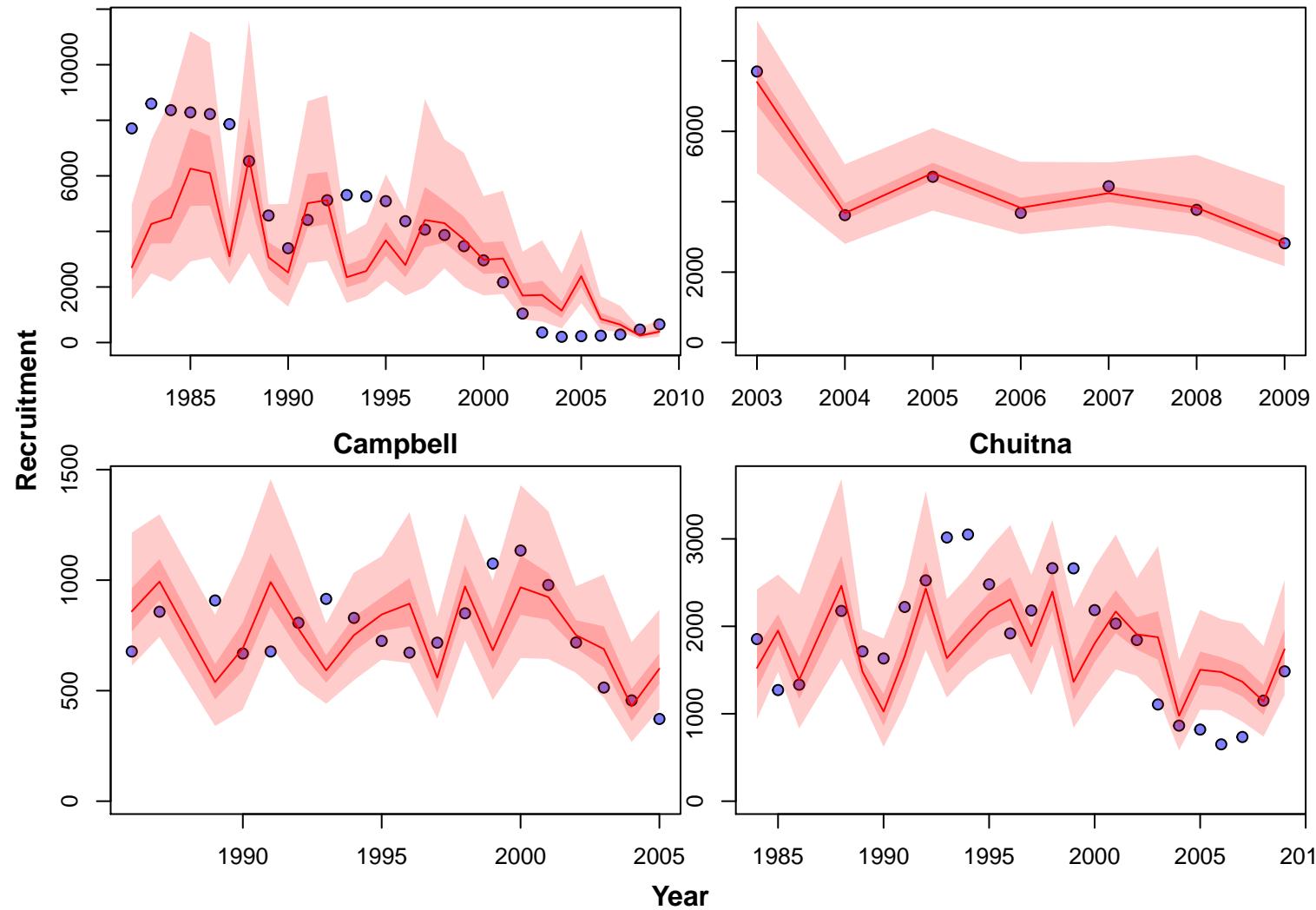


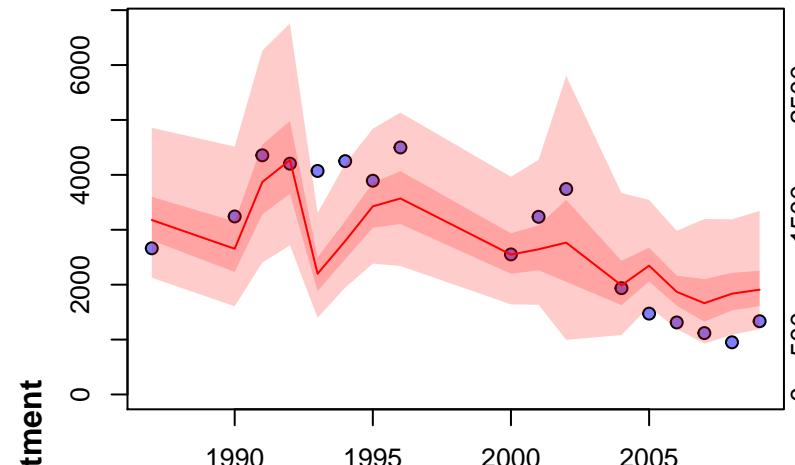
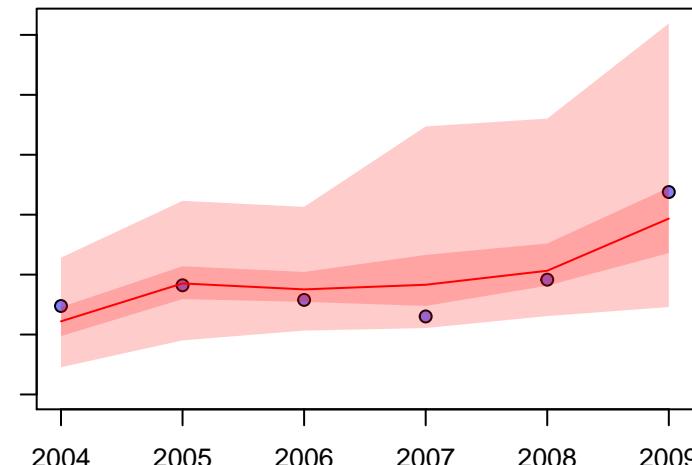
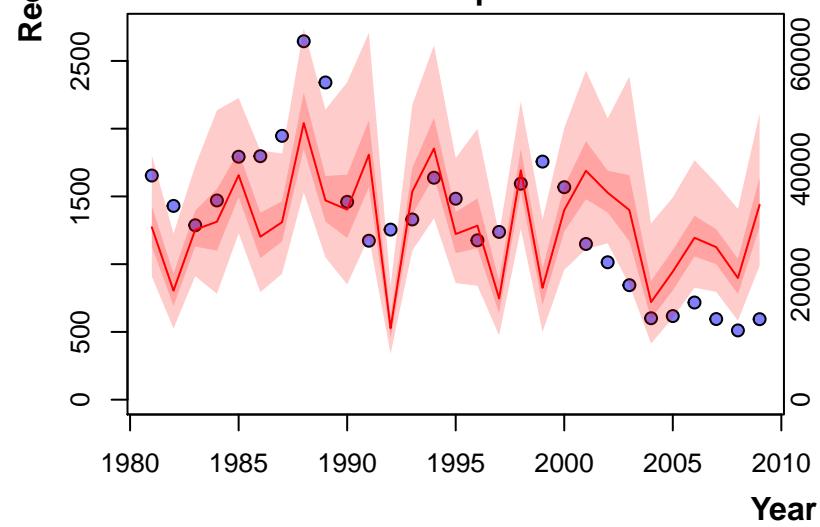
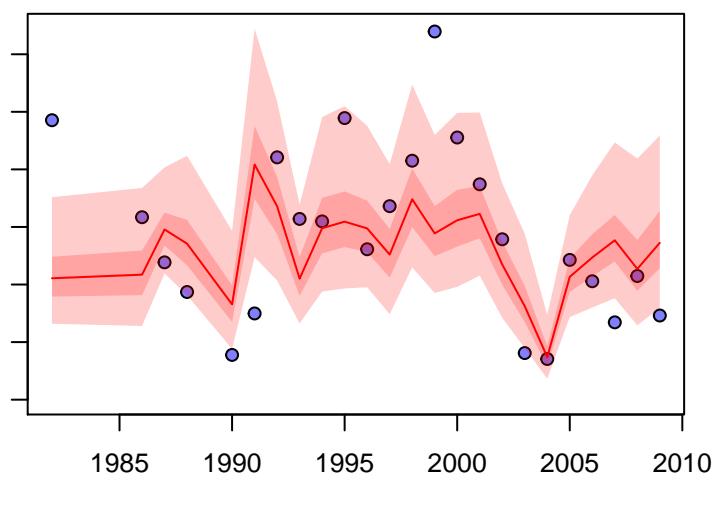
## Process Error (SD)



## Process Error (SD)

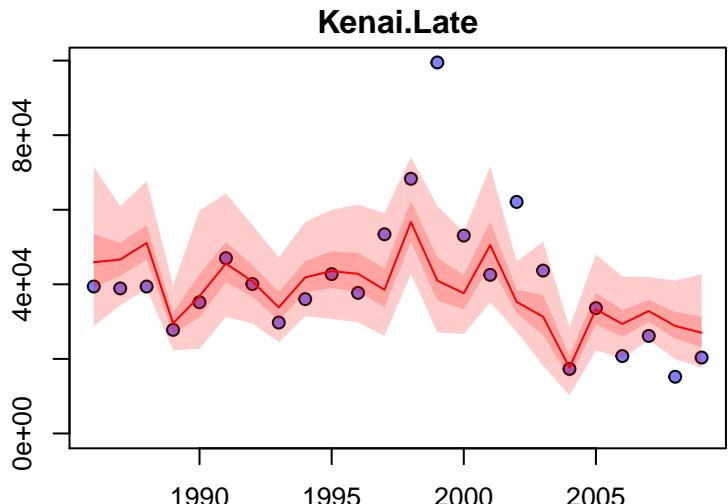


**Alexander****Anchor****Campbell****Chuitna****Year**

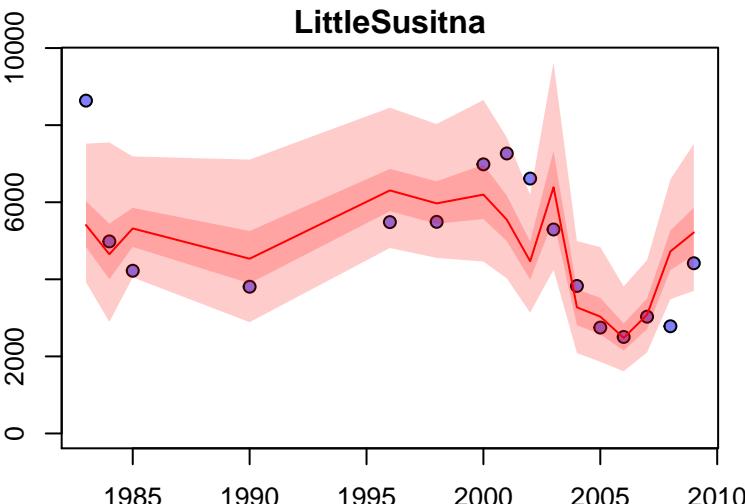
**Chulitna****Crooked****Deep****Deshka**

### Kenai.Late

Recruitment

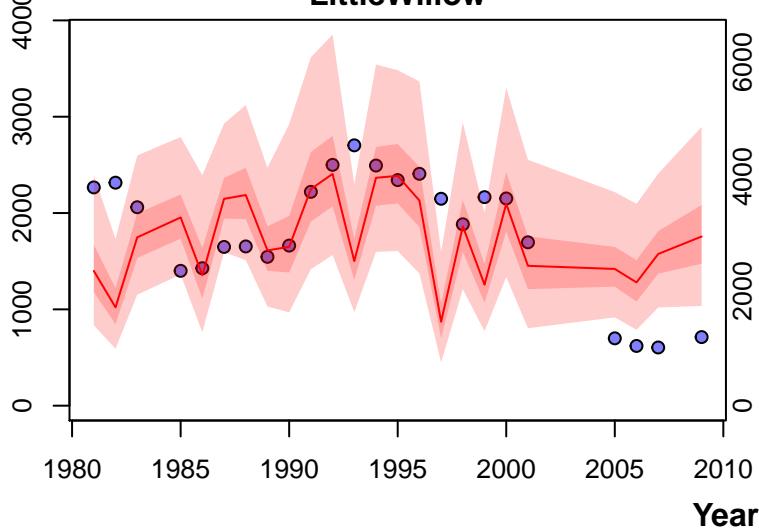


### LittleSusitna

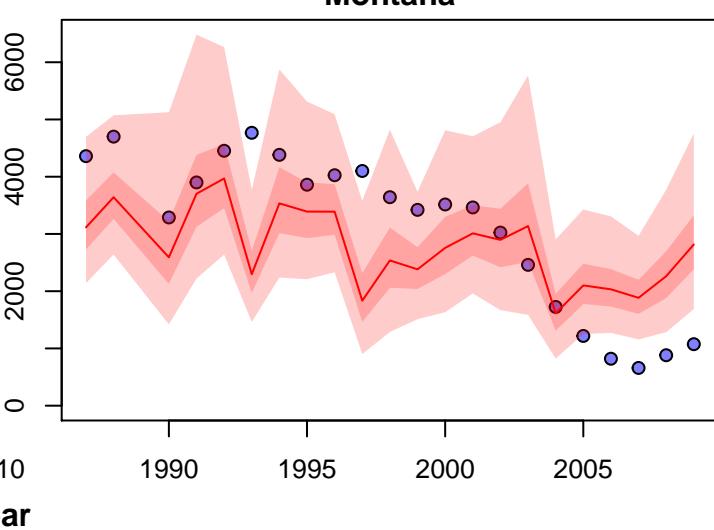


### LittleWillow

Recruitment

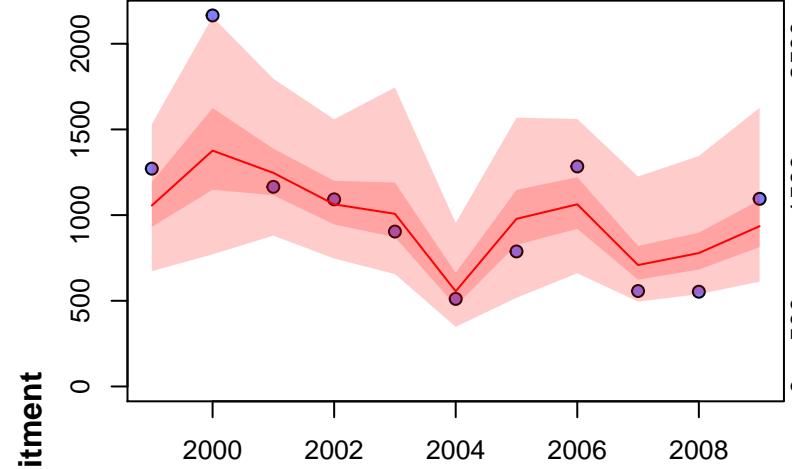


### Montana

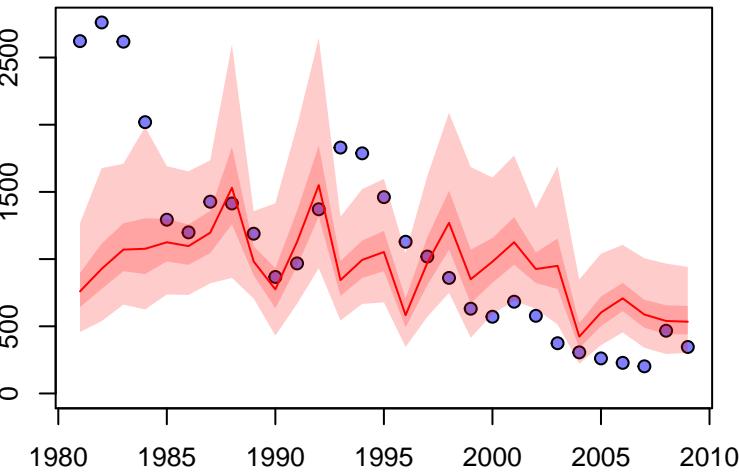


Year

### Ninilchik



### Theodore



### Willow

