

## Hyper Means

mean = -0.0337

95% HDI  
-0.120 0.0508

mean = -0.0359

95% HDI  
-0.107 0.0362

mean = -0.076

95% HDI  
-0.163 0.0561

wksGT13

RB\_spawn

medianQ

mean = -0.0434

95% HDI  
-0.135 0.0467

mean = -0.0543

95% HDI  
-0.125 0.0166

mean = -0.0267

95% HDI  
-0.104 0.0478

wksGT15

RB\_emerge

breakup

mean = -0.113

95% HDI  
-0.195 0.0308

mean = 0.0873

95% HDI  
0.012 0.162

mean = -0.0422

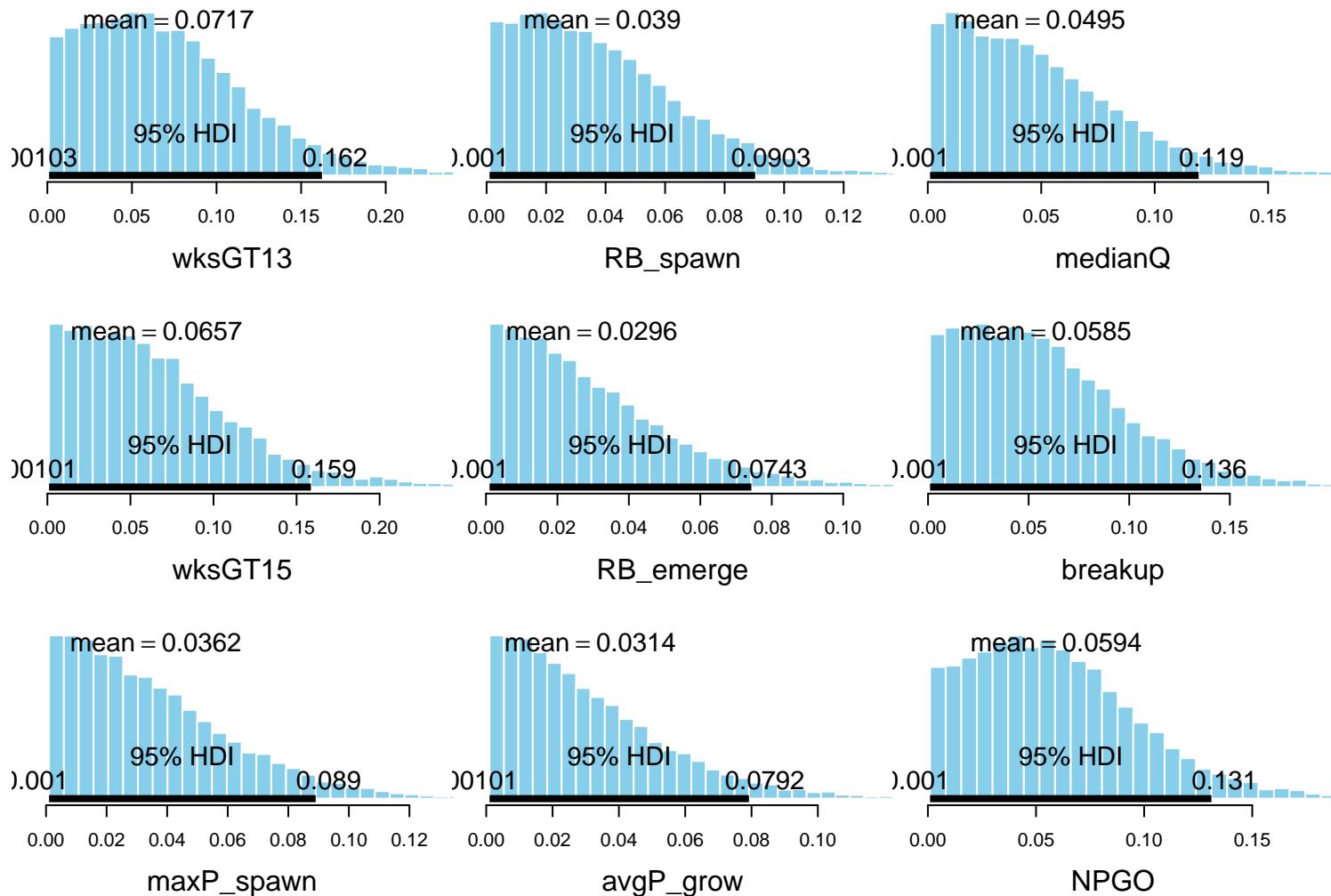
95% HDI  
-0.116 0.031

maxP\_spawn

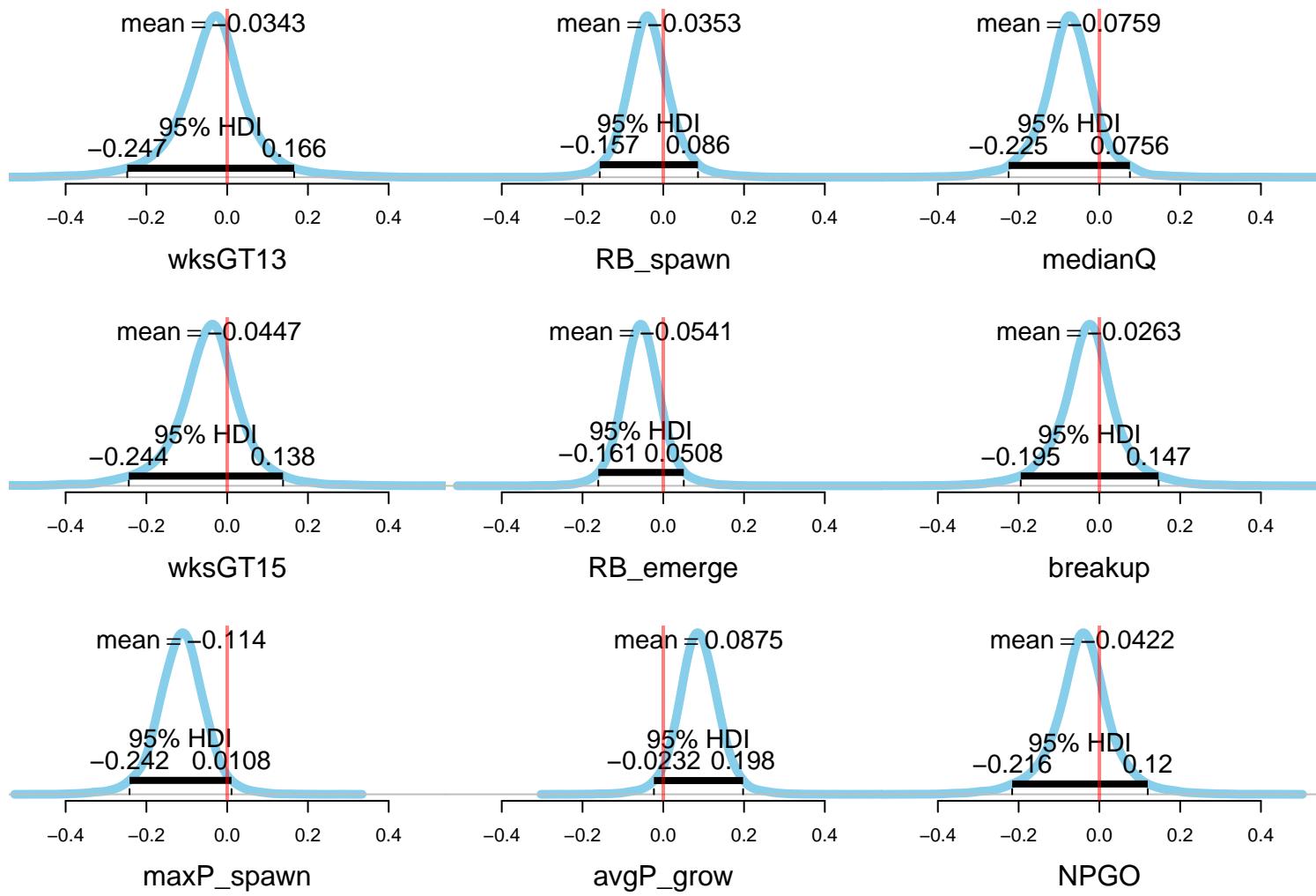
avgP\_grow

NPGO

## Hyper StDevs

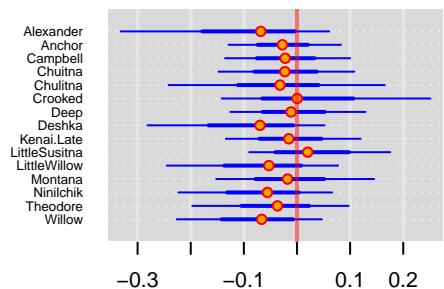


## Full Covariate Prior Distribution (dist.coef)

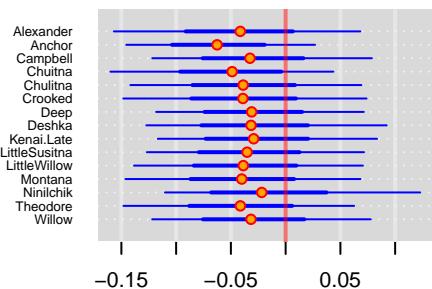


Population

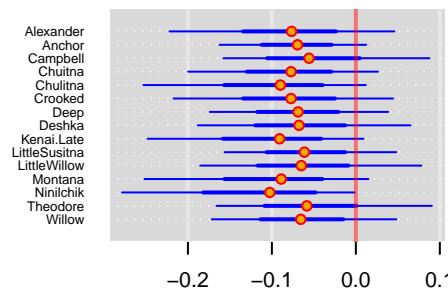
wksGT13



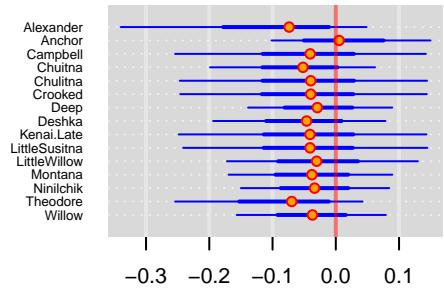
RB\_spawn



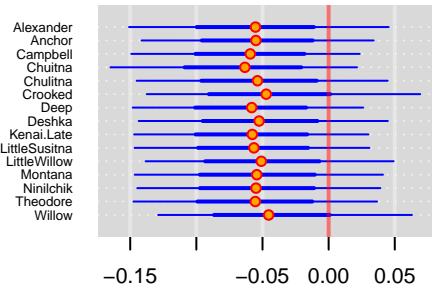
medianQ



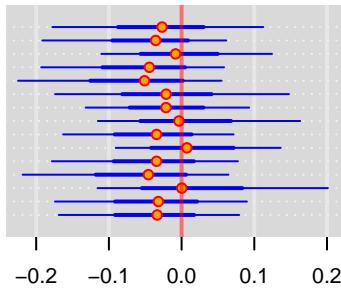
wksGT15



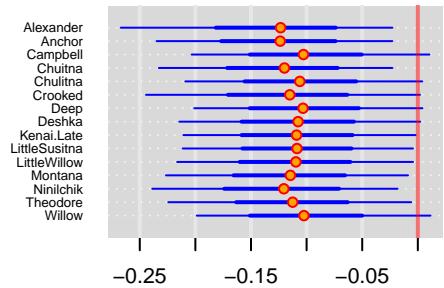
RB\_emerge



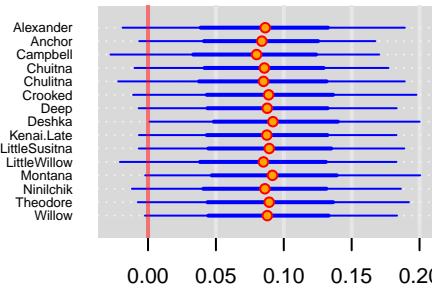
breakup



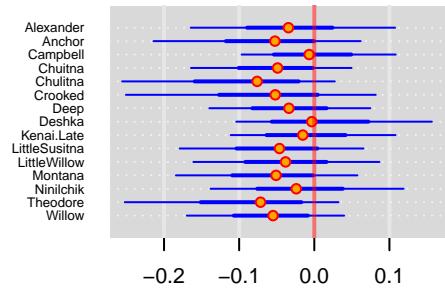
maxP\_spawn



avgP\_grow

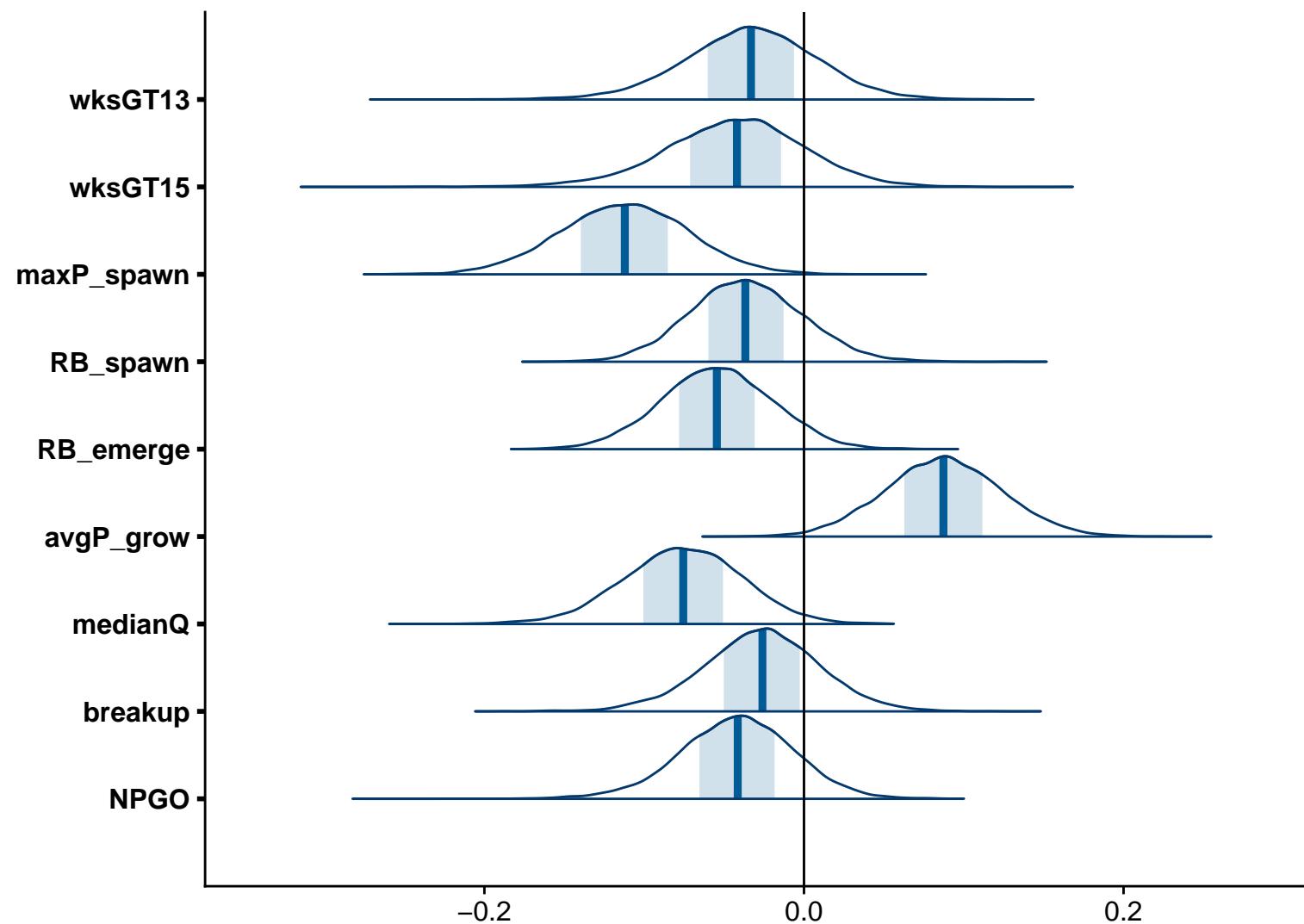


NPGO

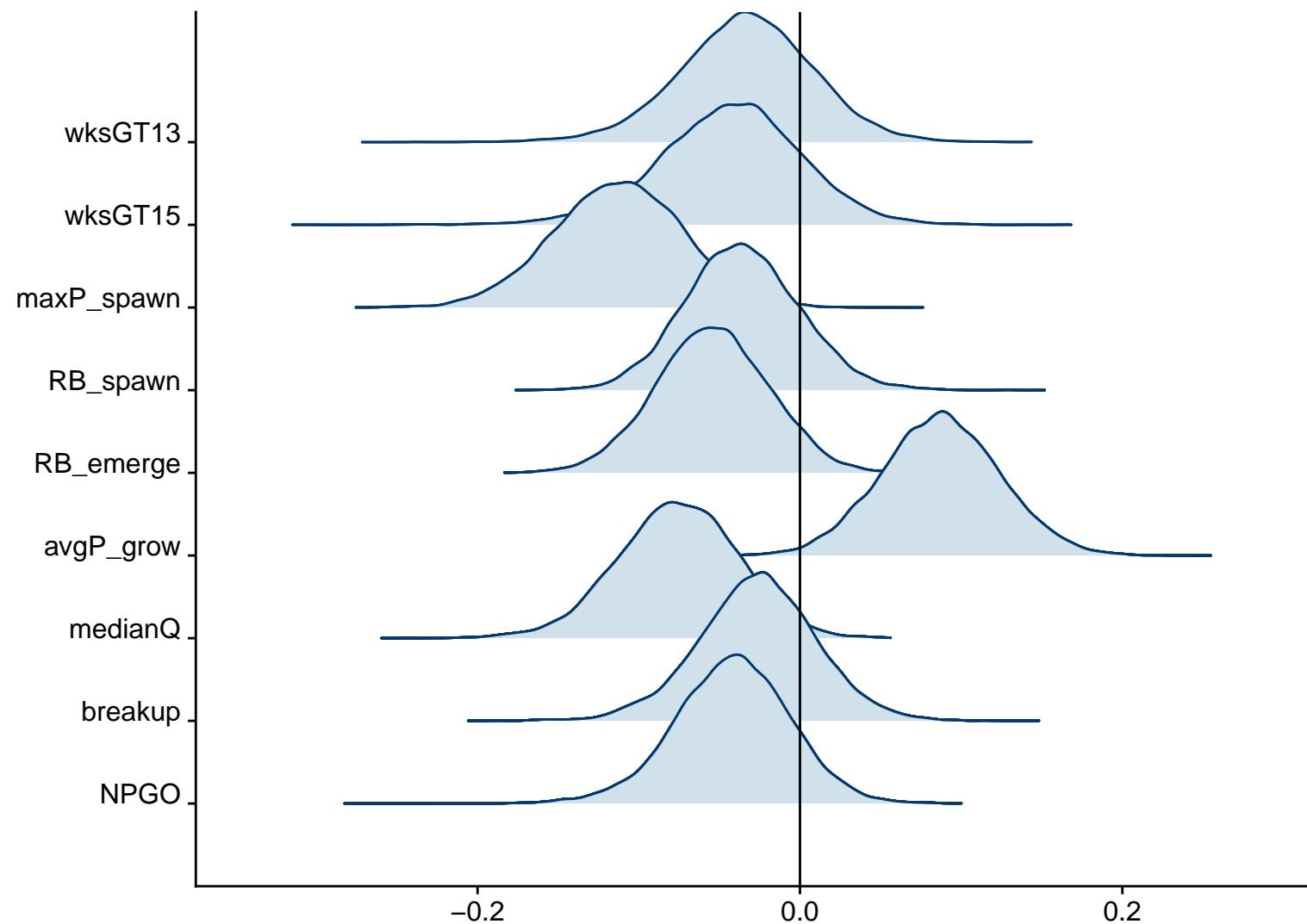


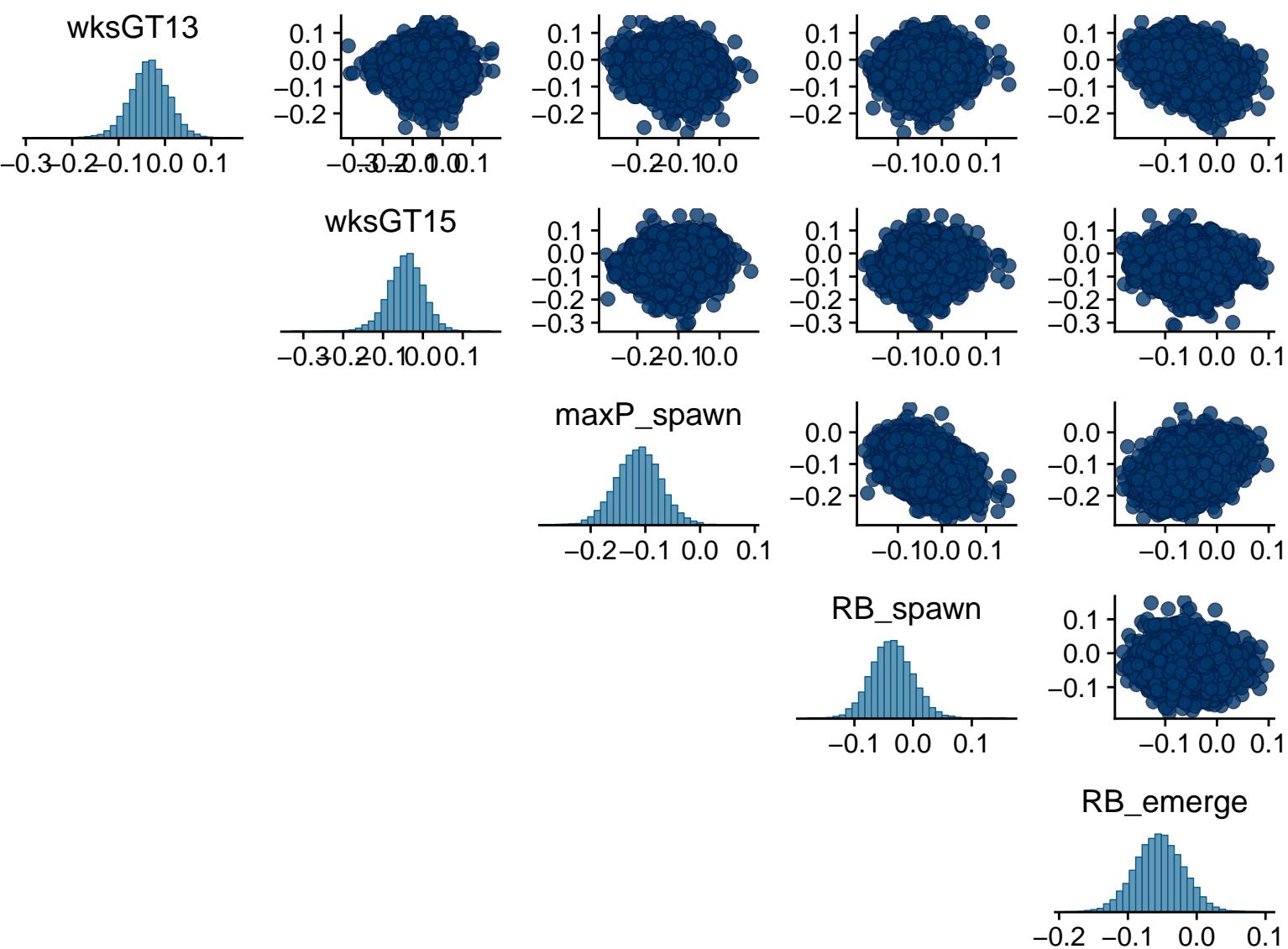
Coefficient (Effect)

### Group Means (mu.coef)

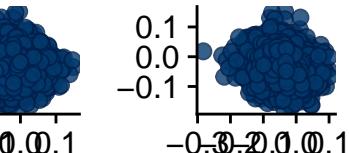
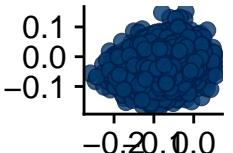
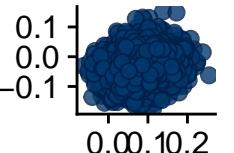
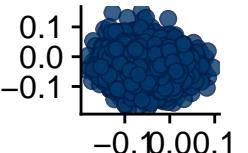
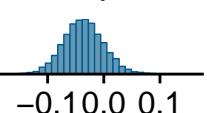


## Group Means (mu.coef)

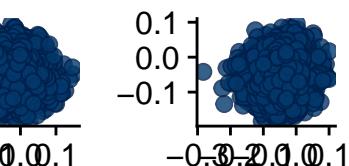
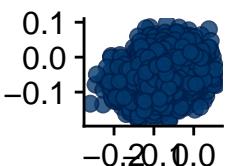
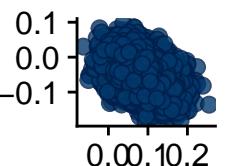
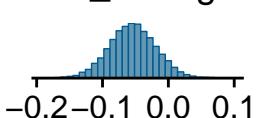




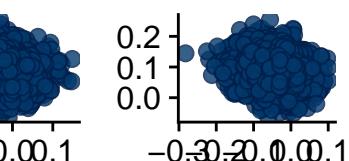
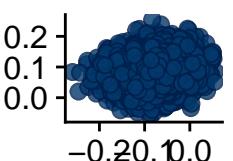
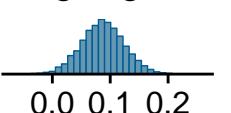
RB\_spawn



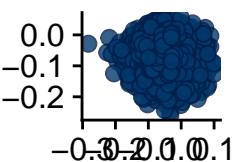
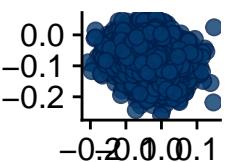
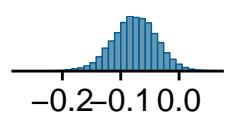
RB\_emerge



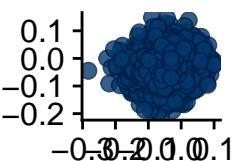
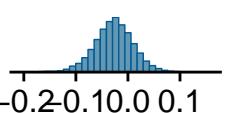
avgP\_grow



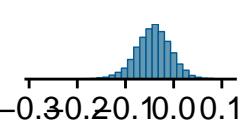
medianQ



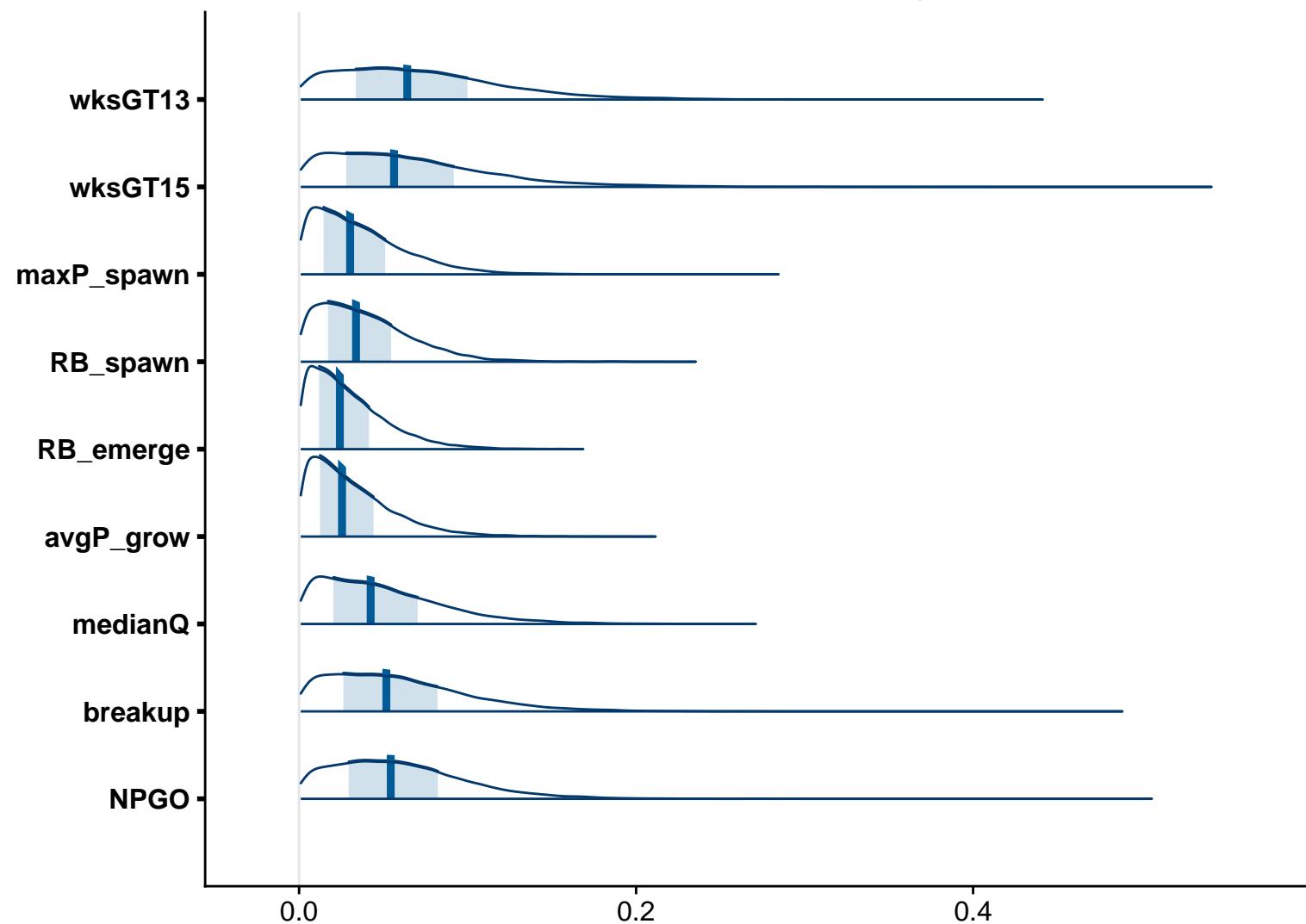
breakup

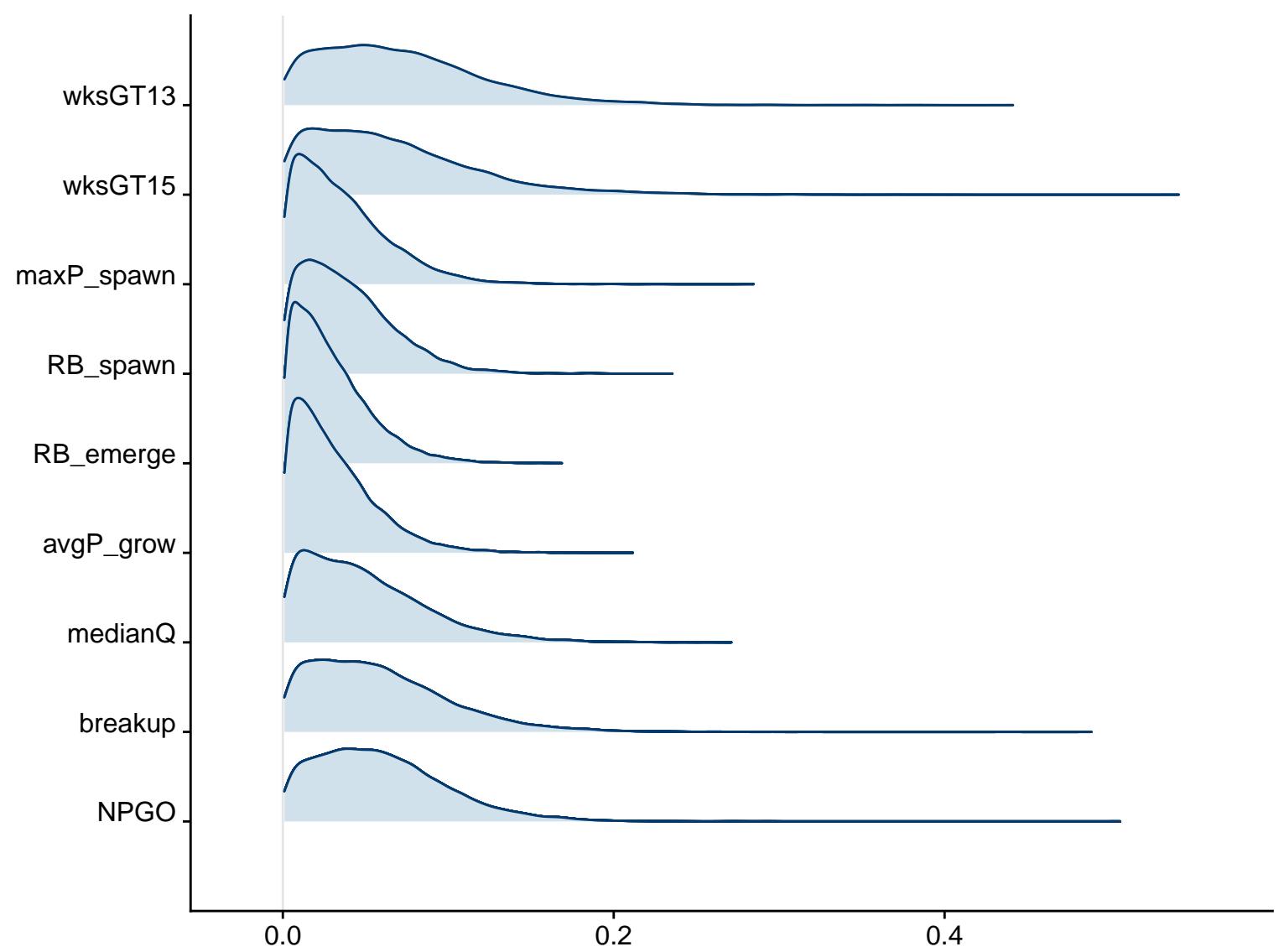


NPGO

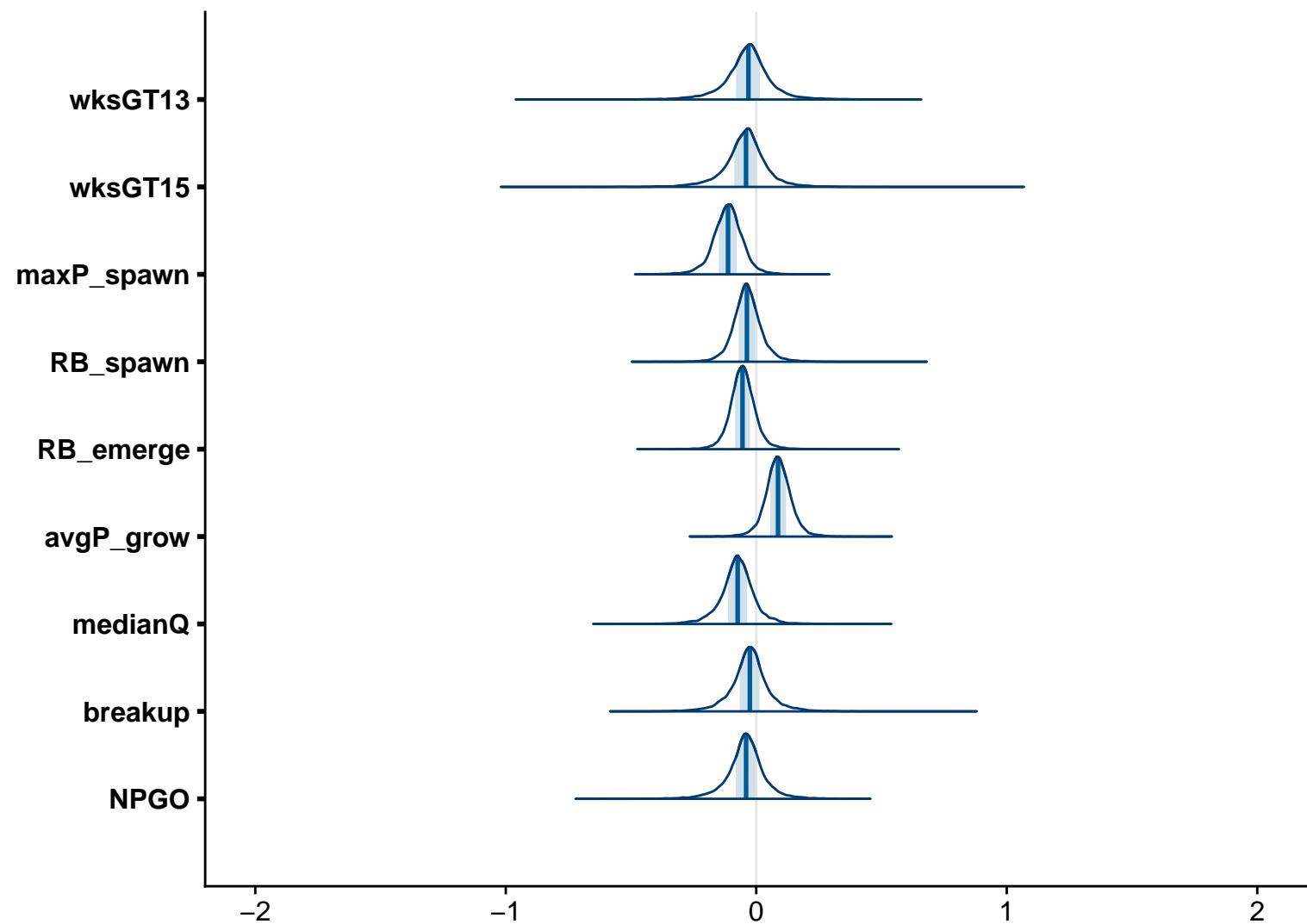


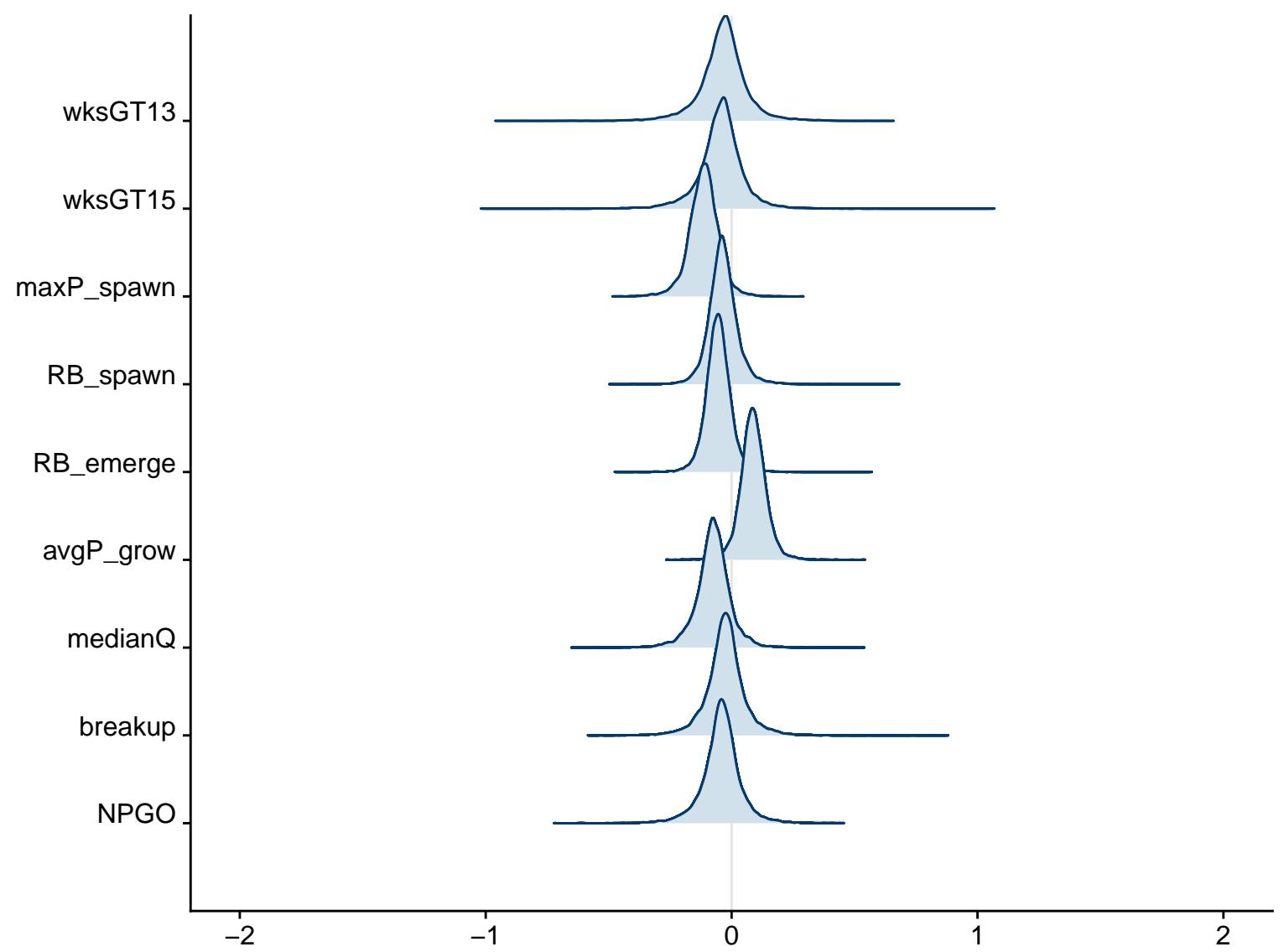
## Group Standard Deviations ( $\sigma.coef$ )



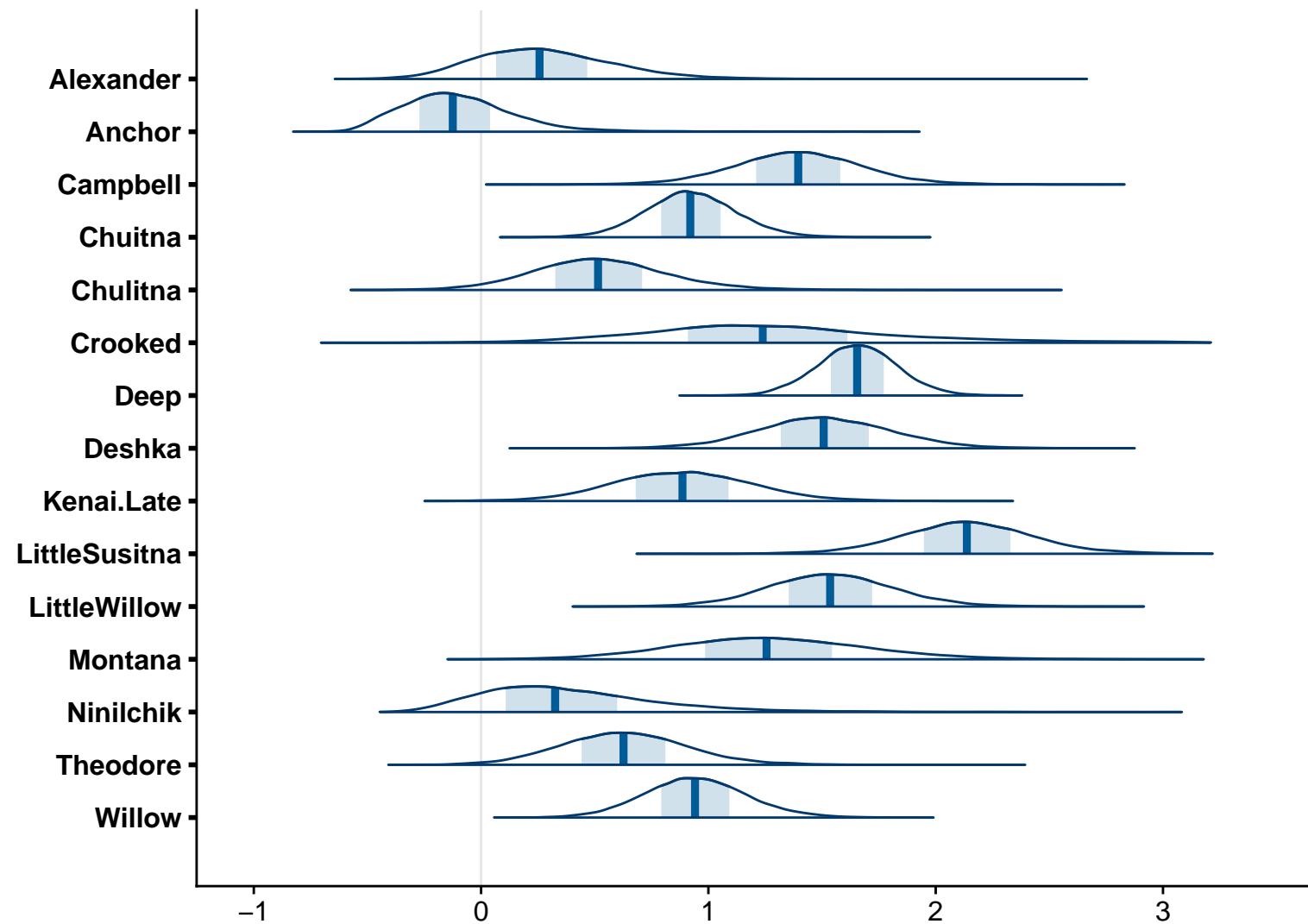


## Full Covariate Prior Distribution (dist.coef)

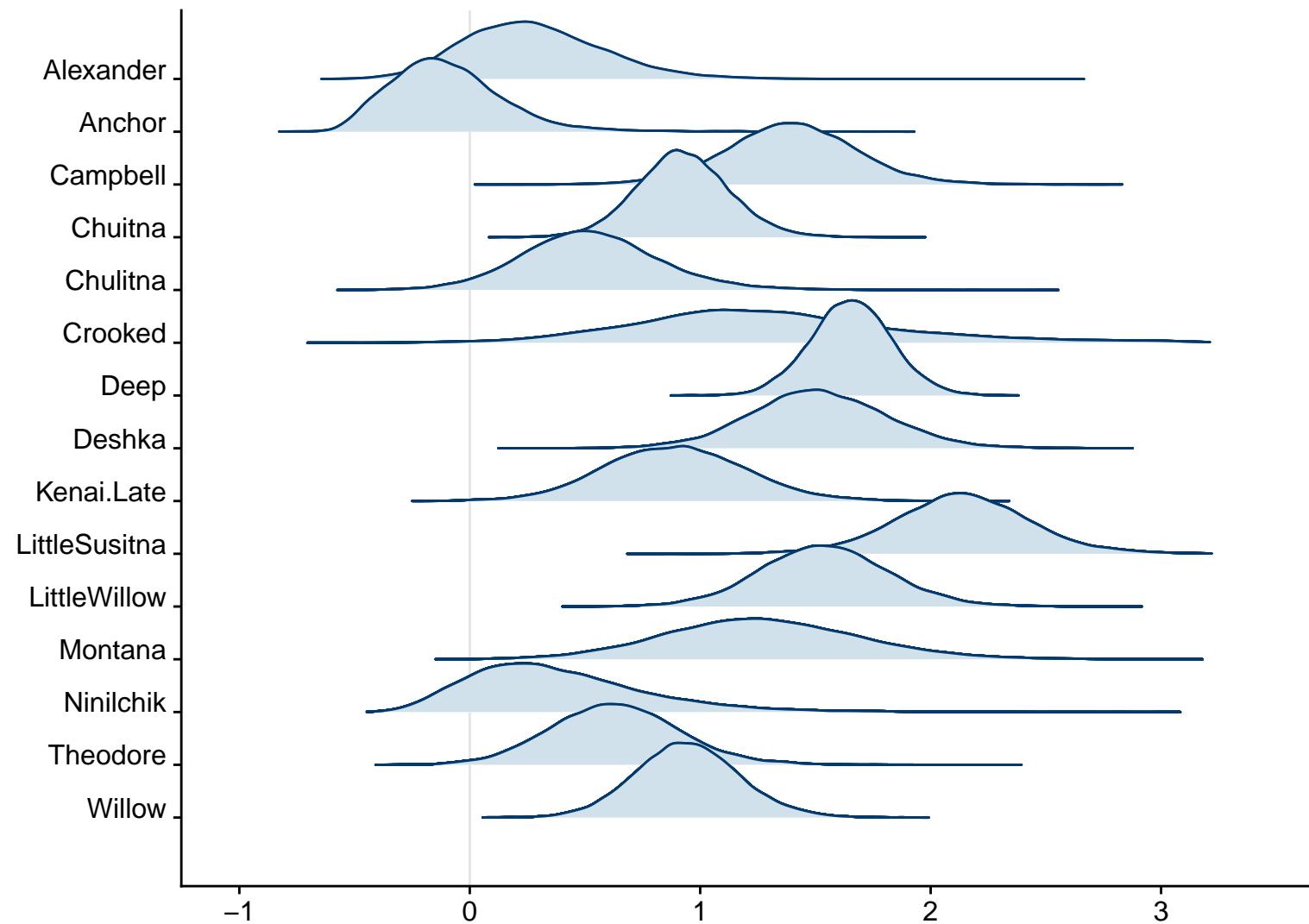




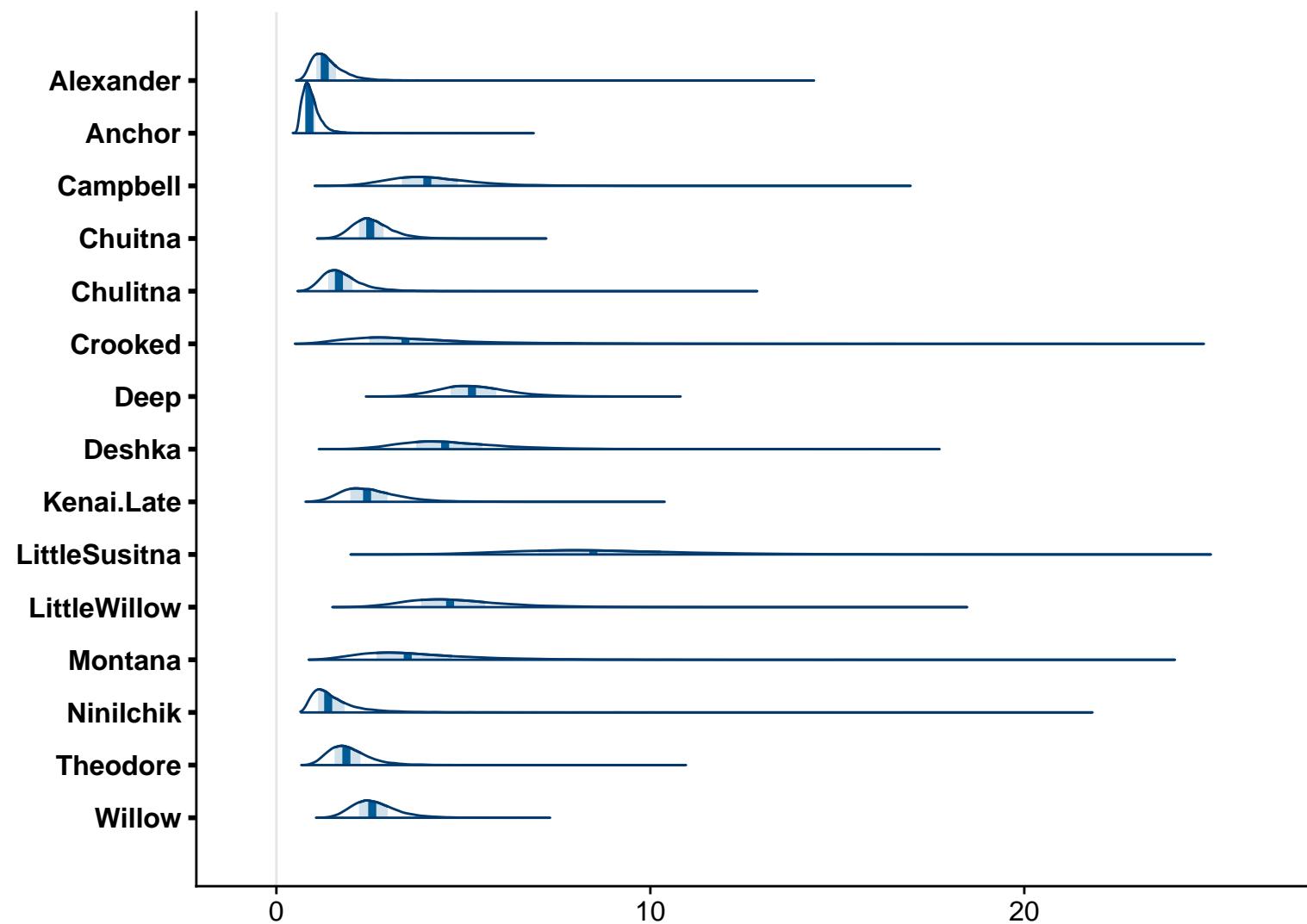
## Ricker Alpha



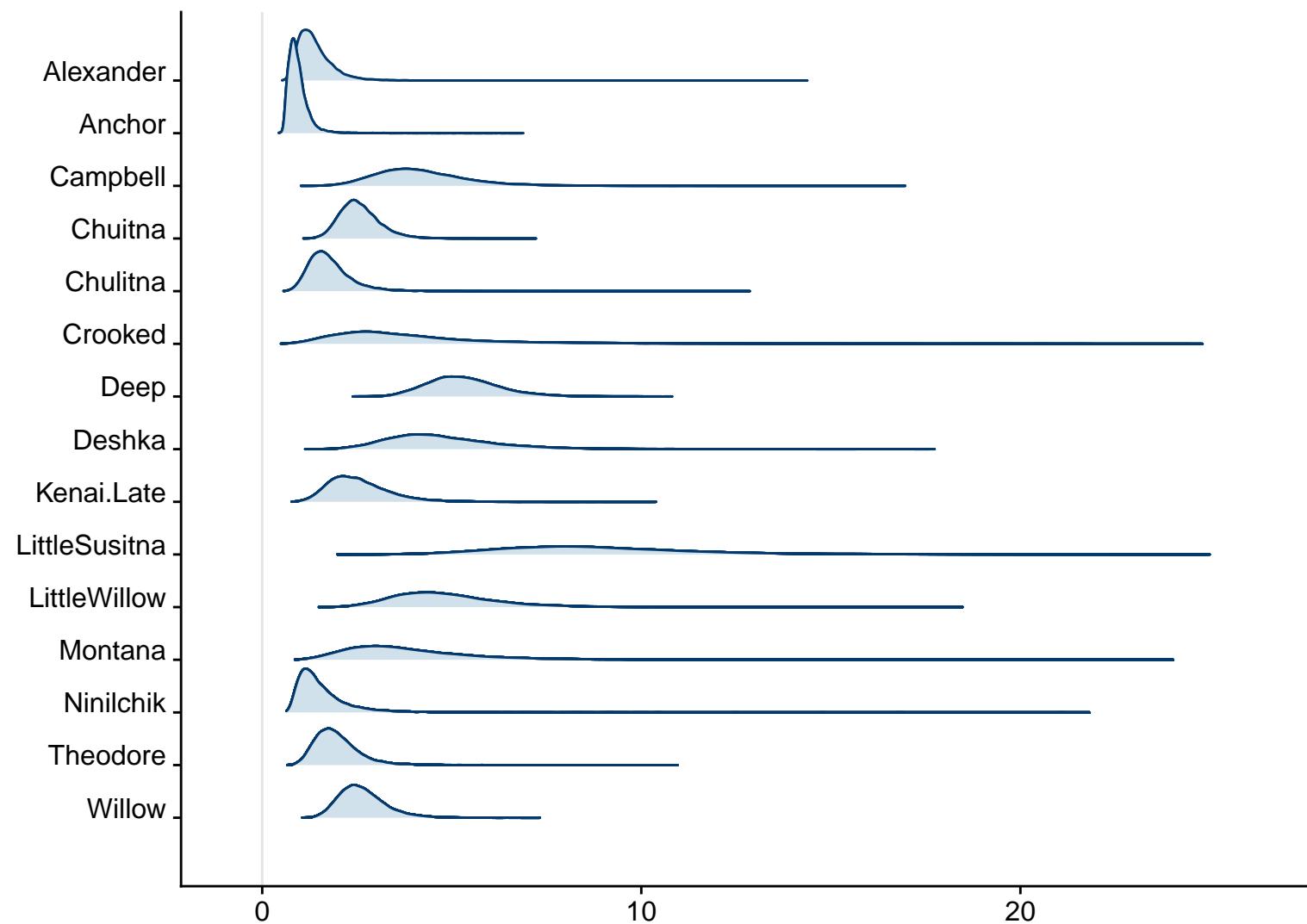
## Ricker Alpha



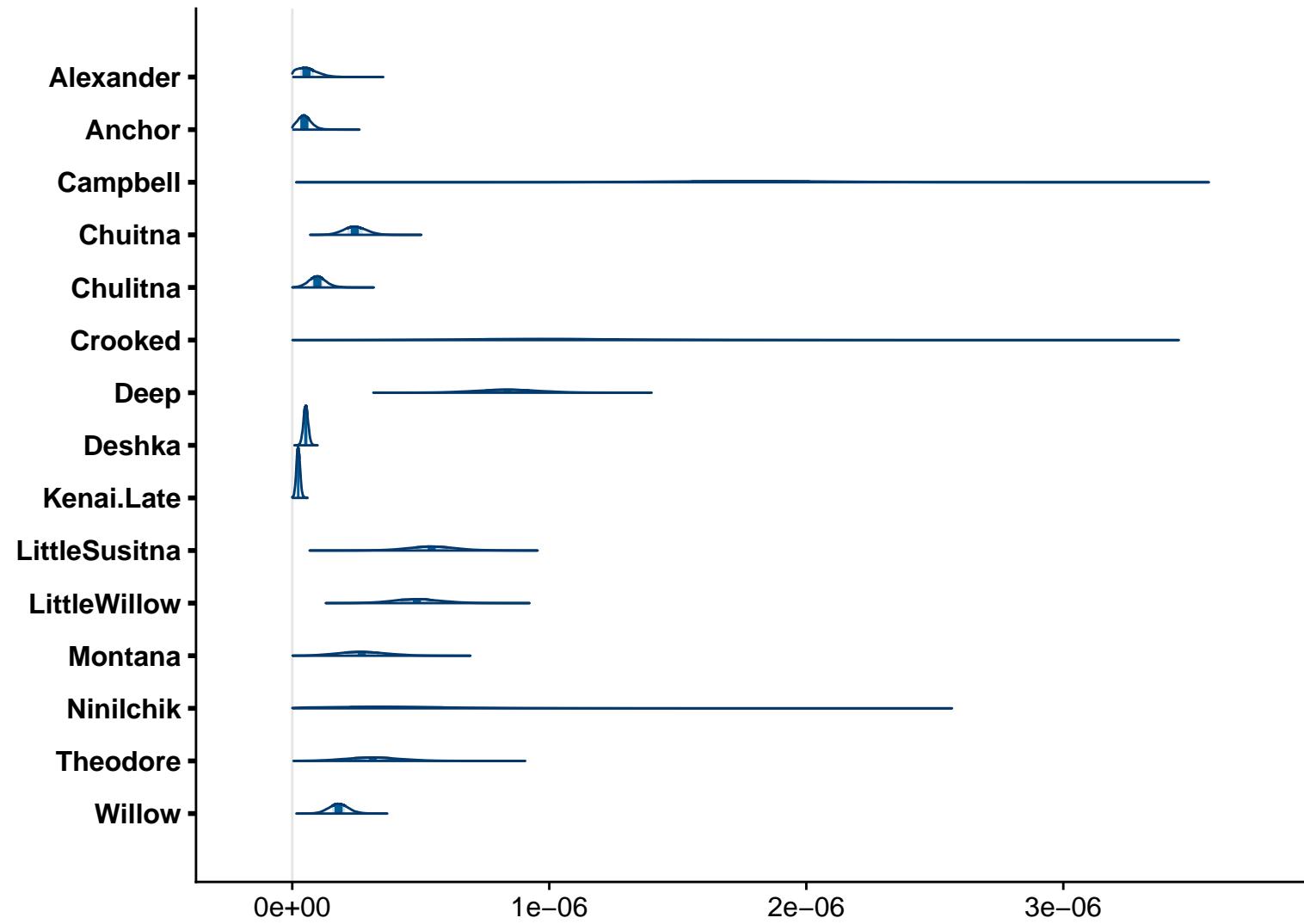
## Maximum Productivity RpS: $\exp(a)$



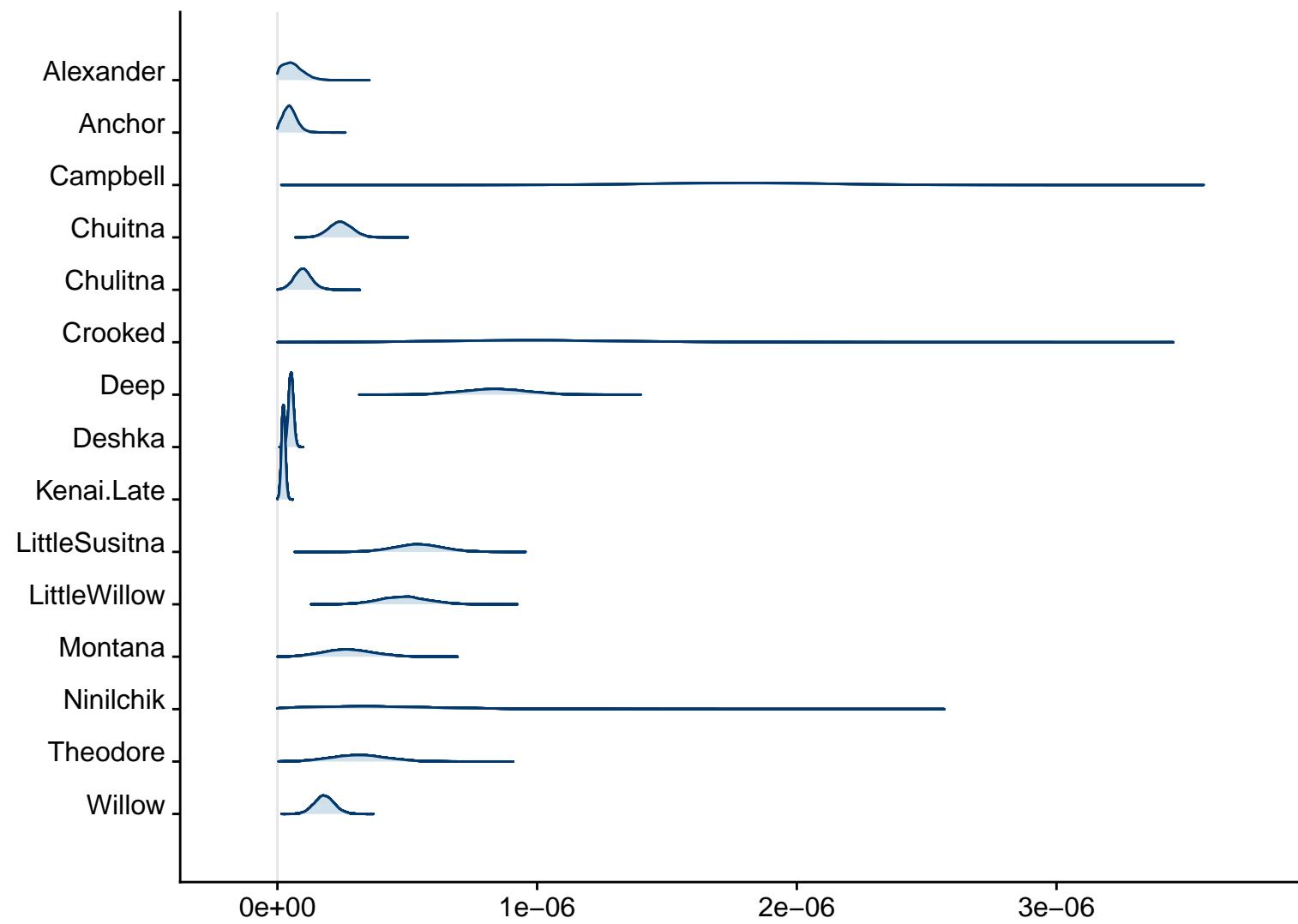
## Maximum Productivity RpS: $\exp(a)$



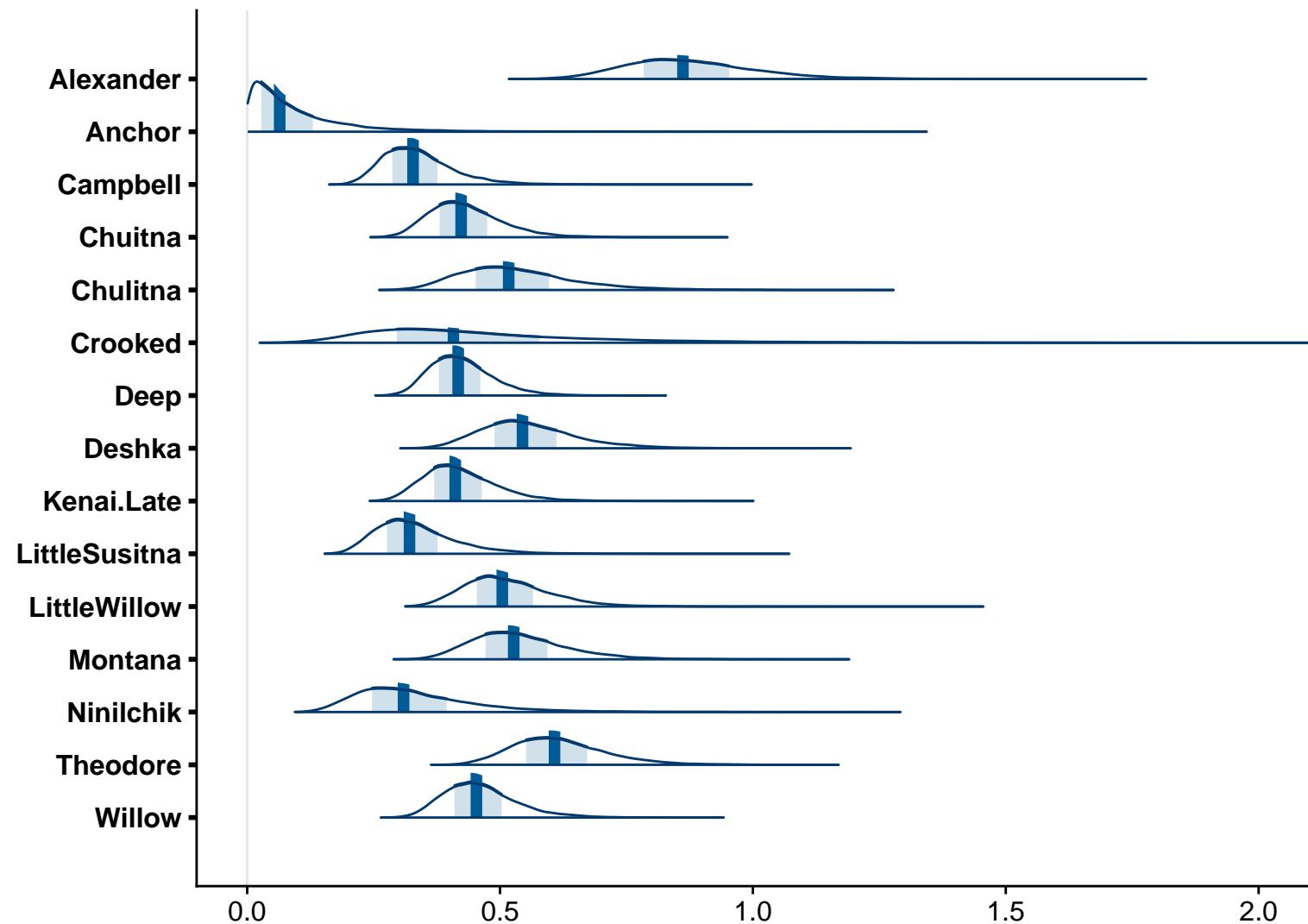
## Equilibrium Abundance (Beta) in Thousands



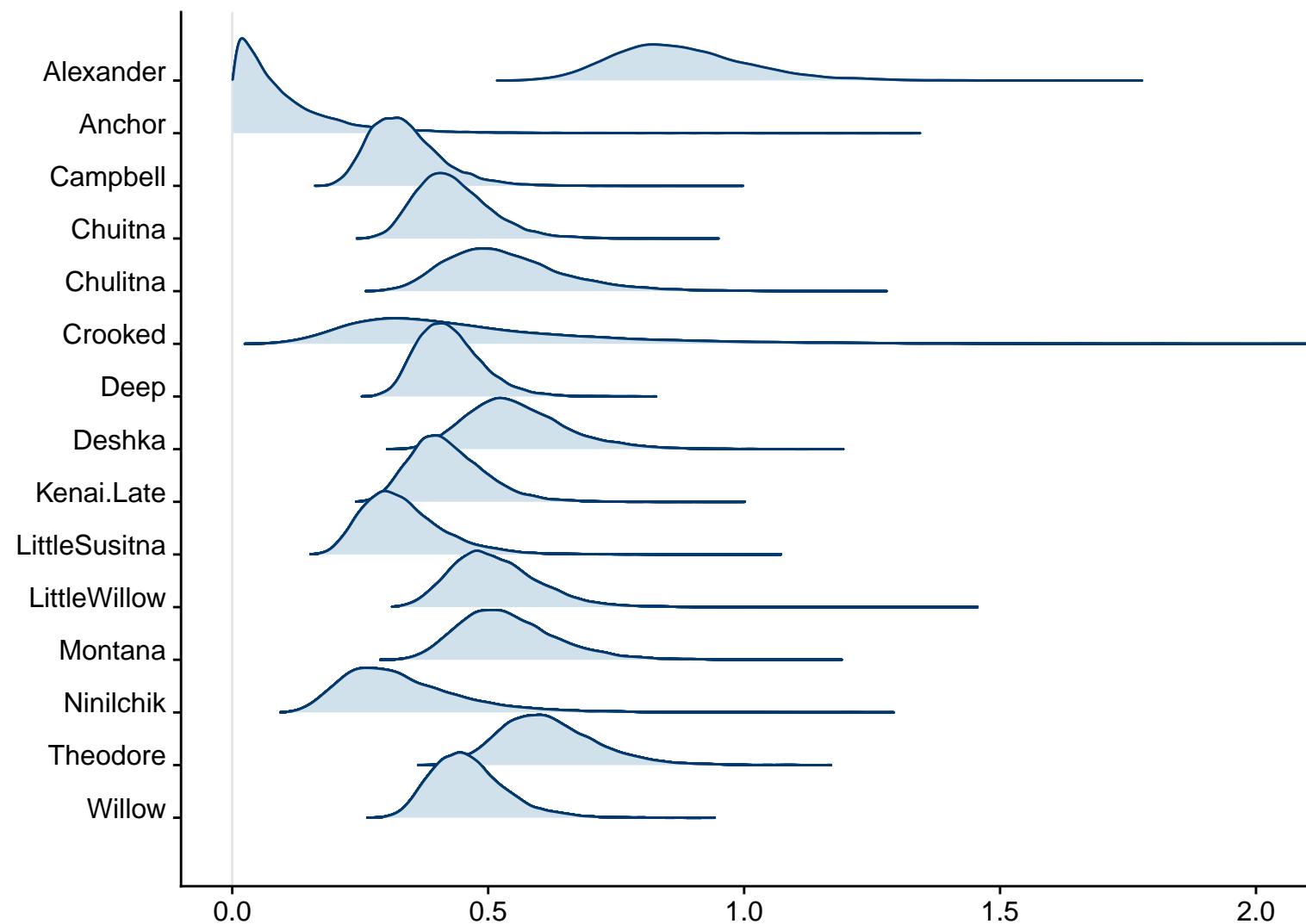
## Equilibrium Abundance (Beta) in Thousands

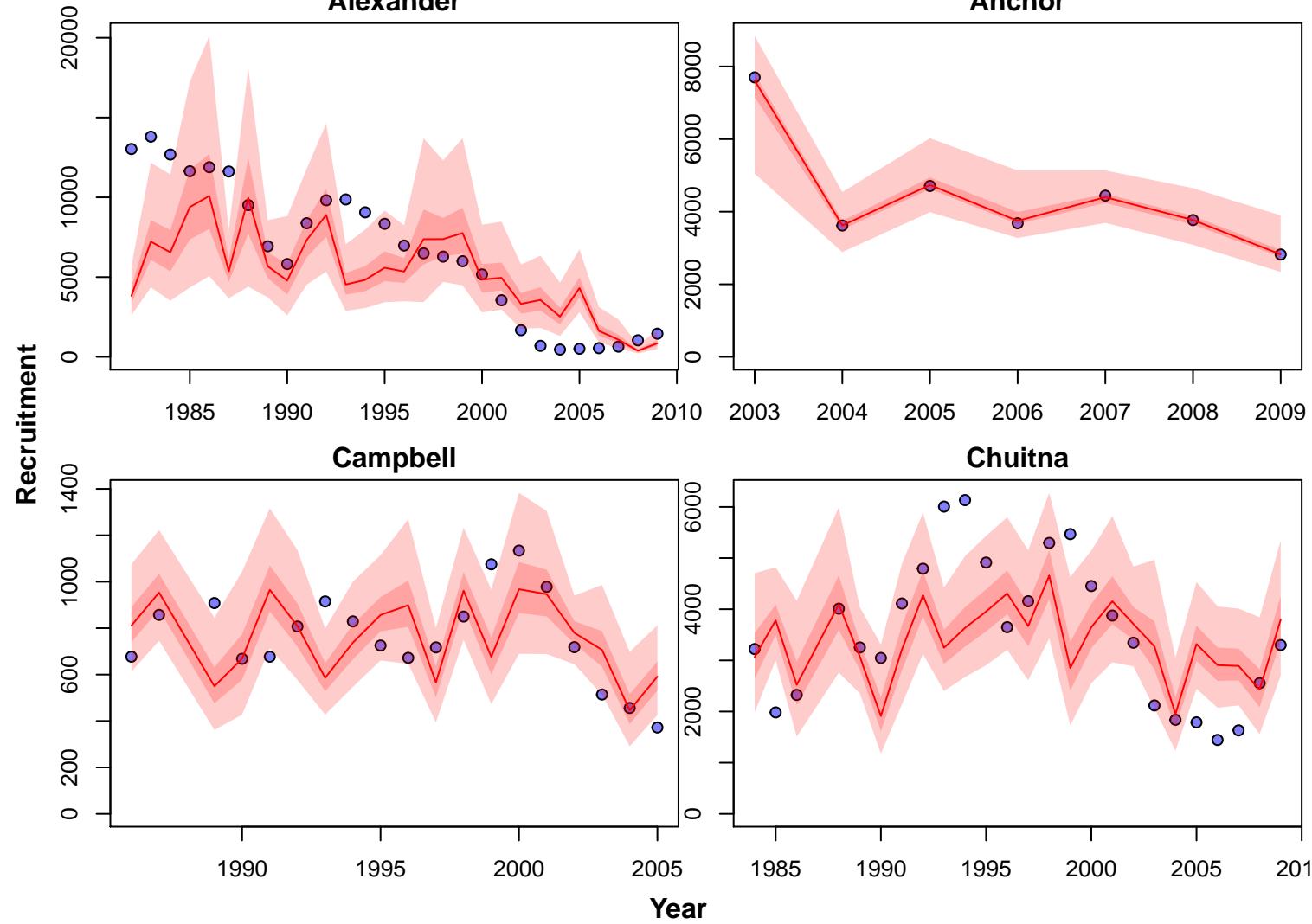


## Process Error (SD)

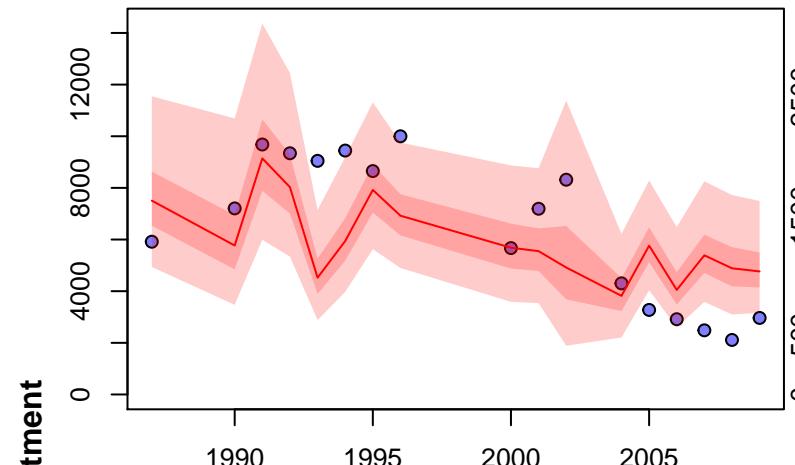


## Process Error (SD)

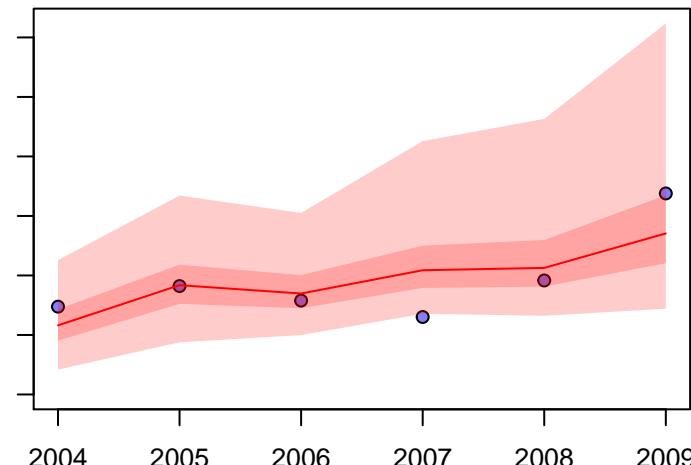


**Alexander****Anchor****Chuitna****Year**

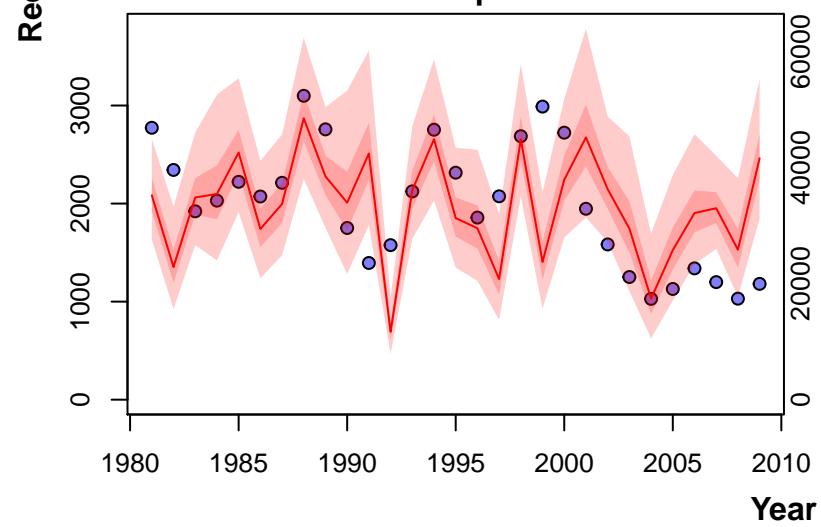
### Chulitna



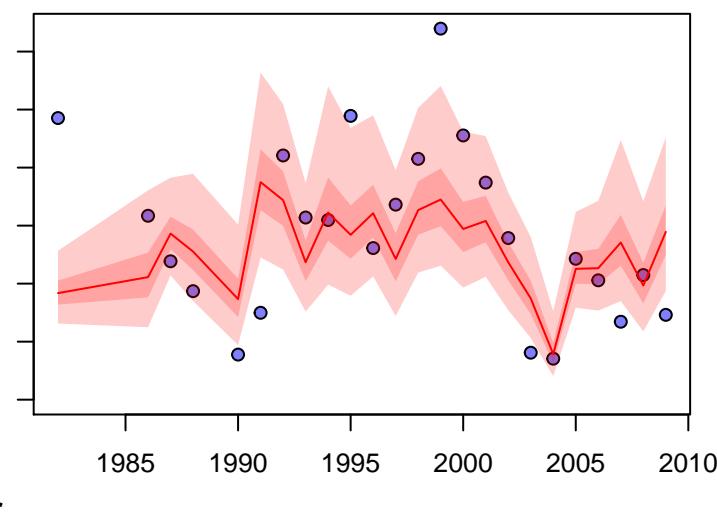
### Crooked



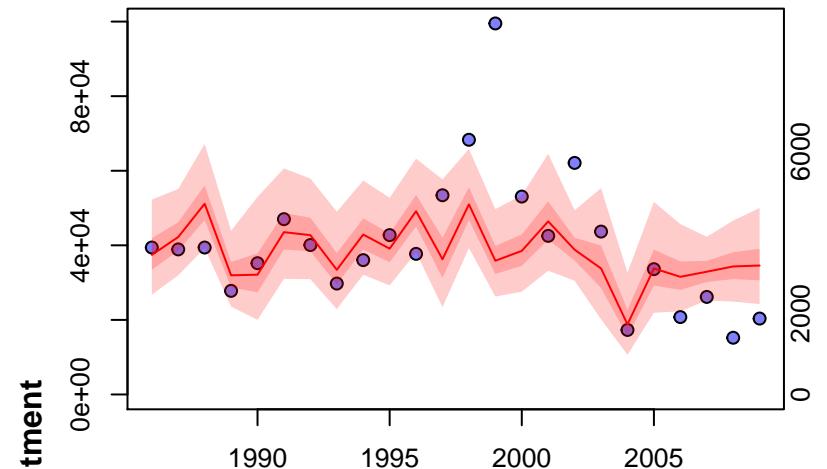
### Deep



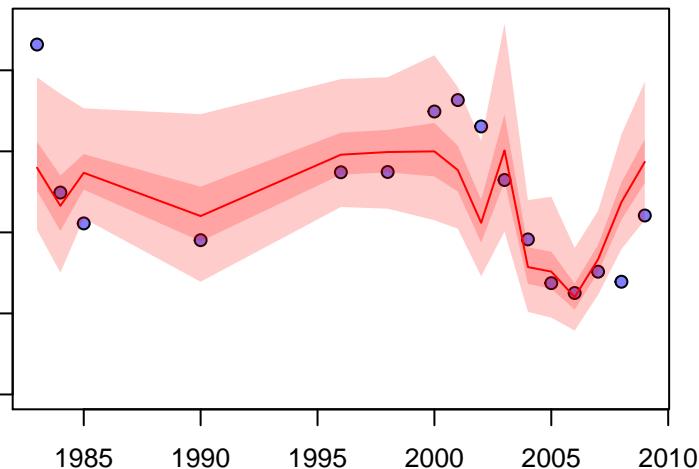
### Deshka



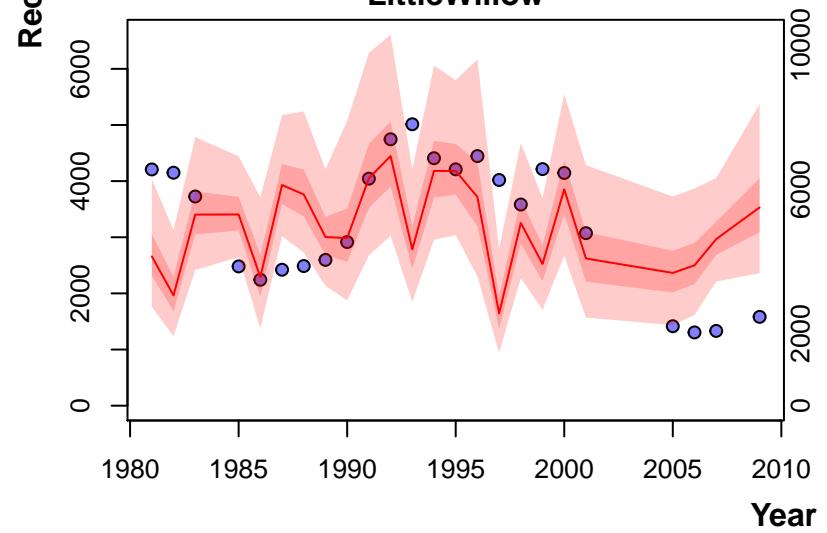
### Kenai.Late



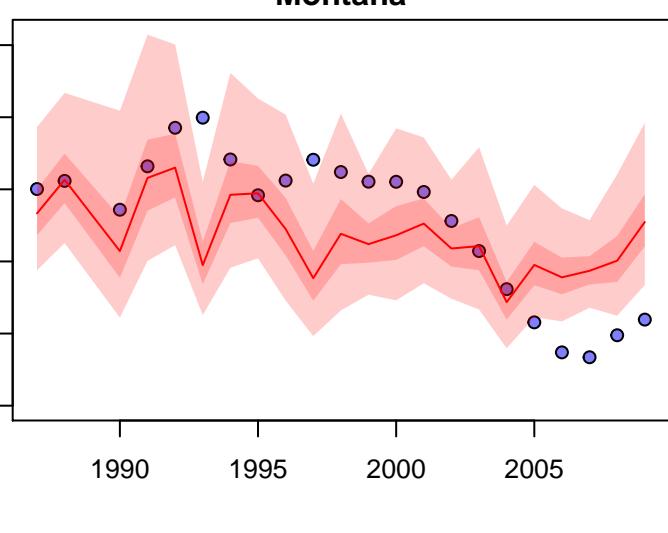
### LittleSusitna



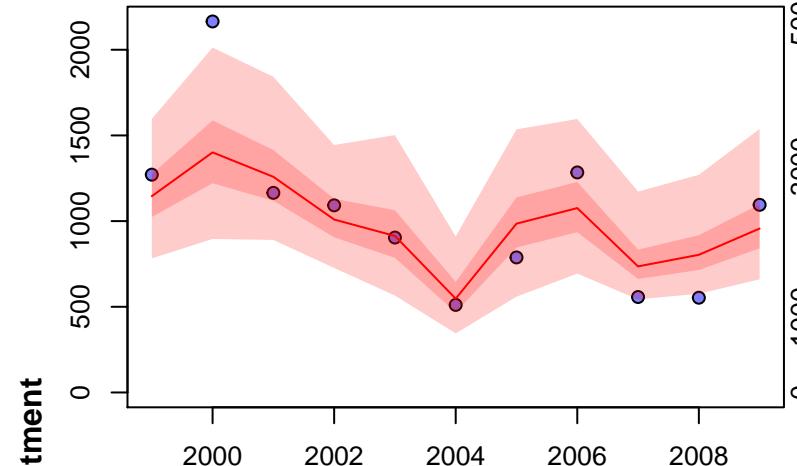
### LittleWillow



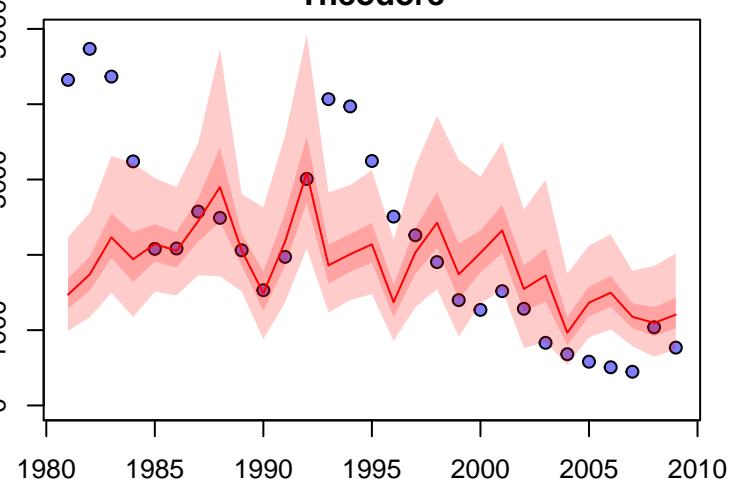
### Montana



### Ninilchik



### Theodore



### Willow

