

## Hyper Means

mean = -0.0547

95% HDI  
-0.1510 0.0424

mean = -0.0287

95% HDI  
-0.1080 0.0508

mean = -0.0807

95% HDI  
-0.1690 0.00825

wksGT13

RB\_spawn

medianQ

mean = -0.0573

95% HDI  
-0.163 0.047

mean = -0.0735

95% HDI  
-0.150 0.0057

mean = -0.0547

95% HDI  
-0.142 0.0329

wksGT15

RB\_emerge

breakup

mean = -0.145

95% HDI  
-0.244 -0.0479

mean = 0.101

95% HDI  
0.0174 0.184

mean = -0.0785

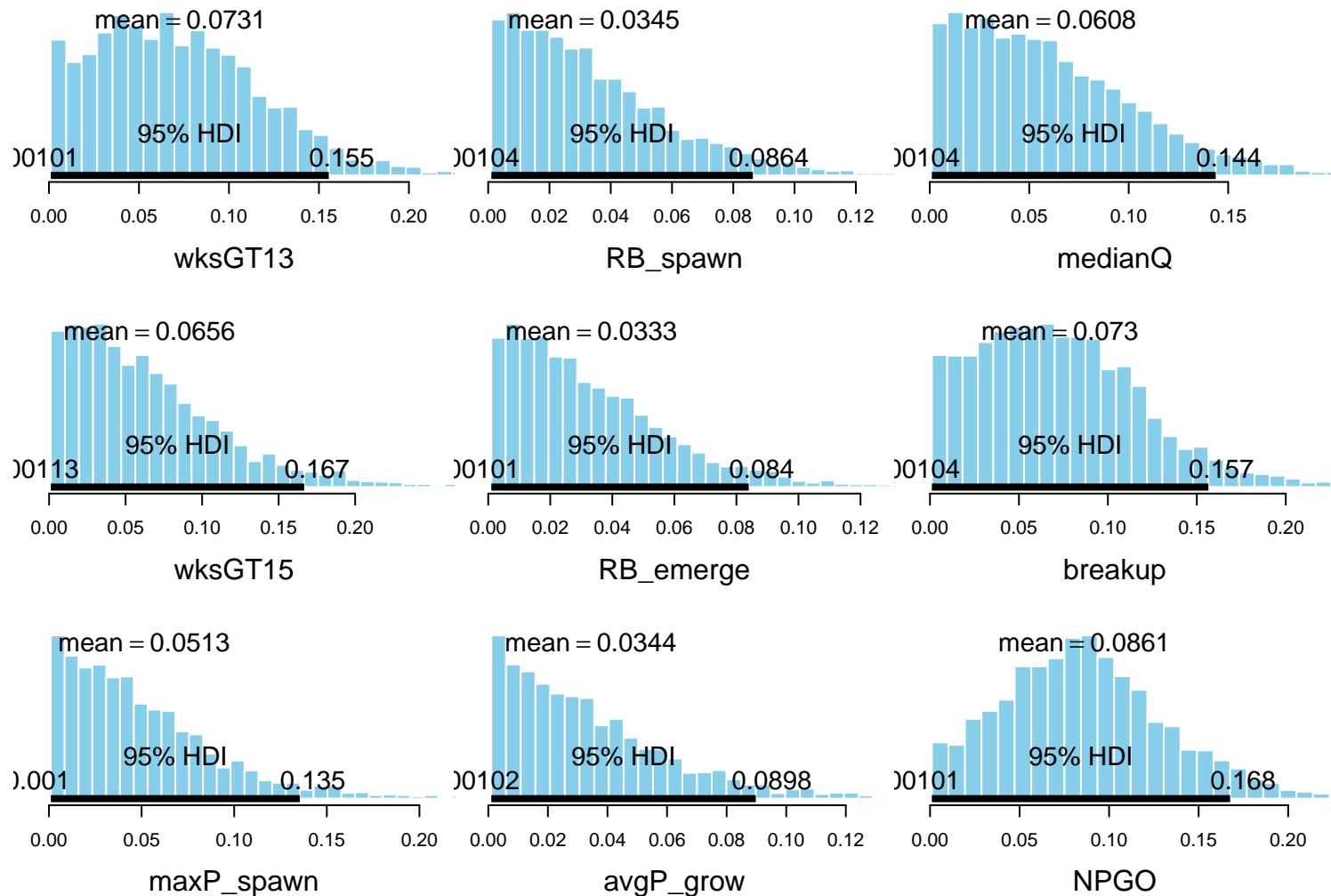
95% HDI  
-0.166 0.00759

maxP\_spawn

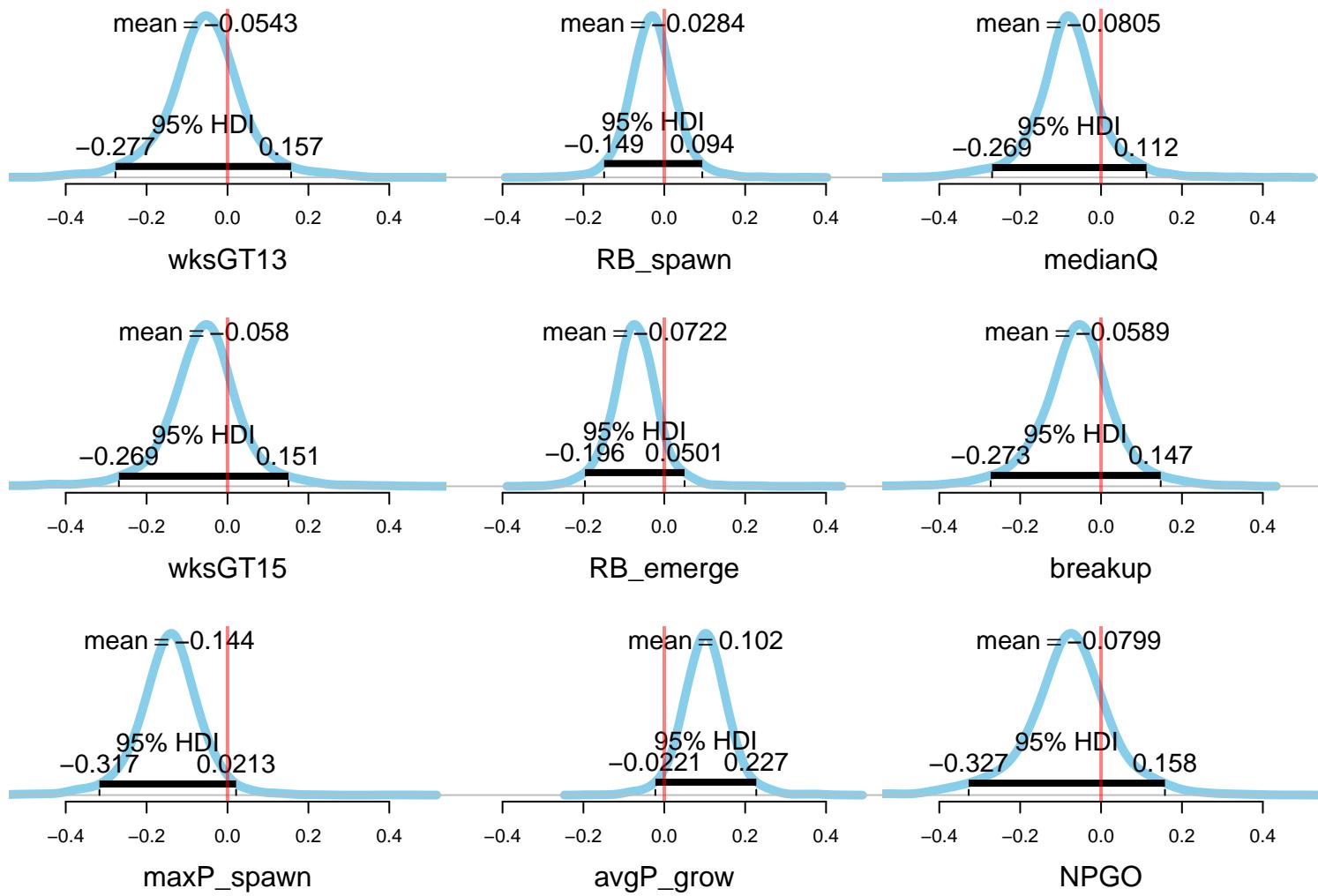
avgP\_grow

NPGO

## Hyper StDevs

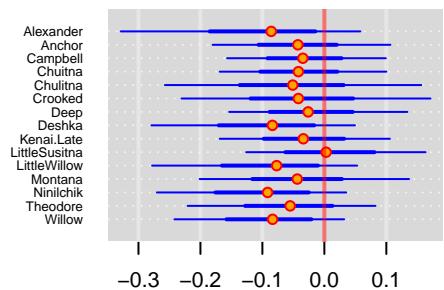


## Full Covariate Prior Distribution (dist.coef)

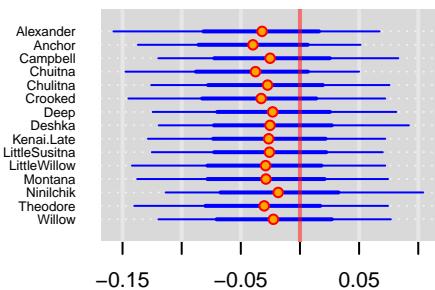


Population

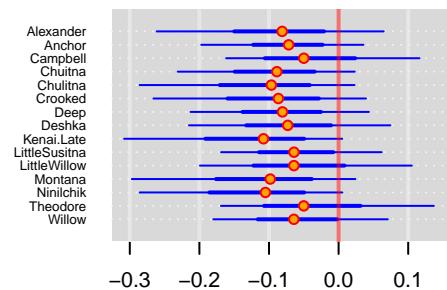
wksGT13



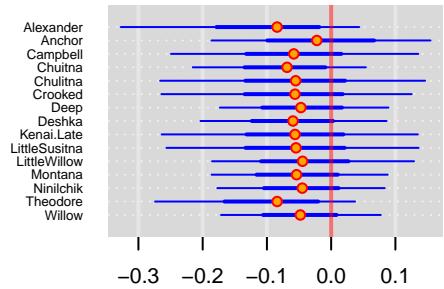
RB\_spawn



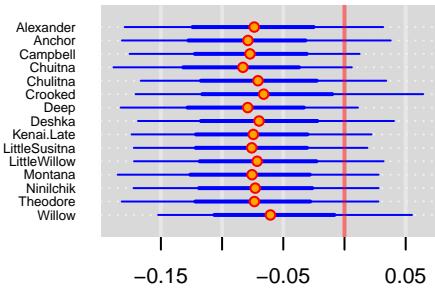
medianQ



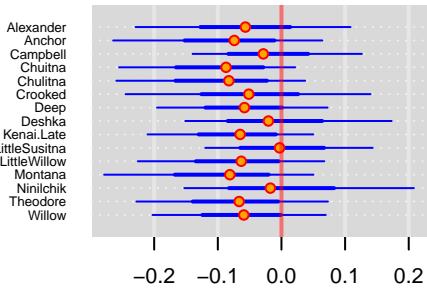
wksGT15



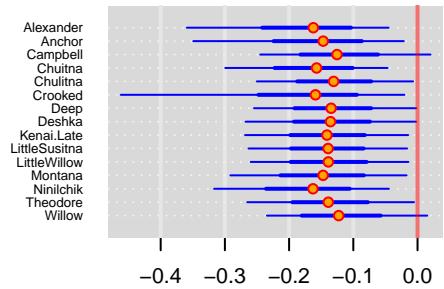
RB\_emerge



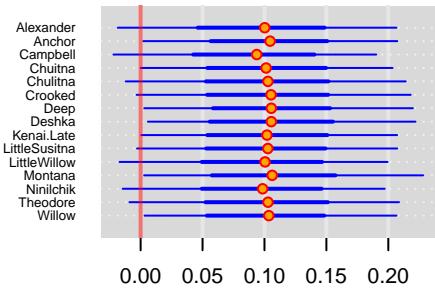
breakup



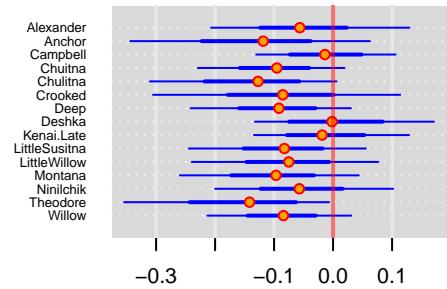
maxP\_spawn



avgP\_grow

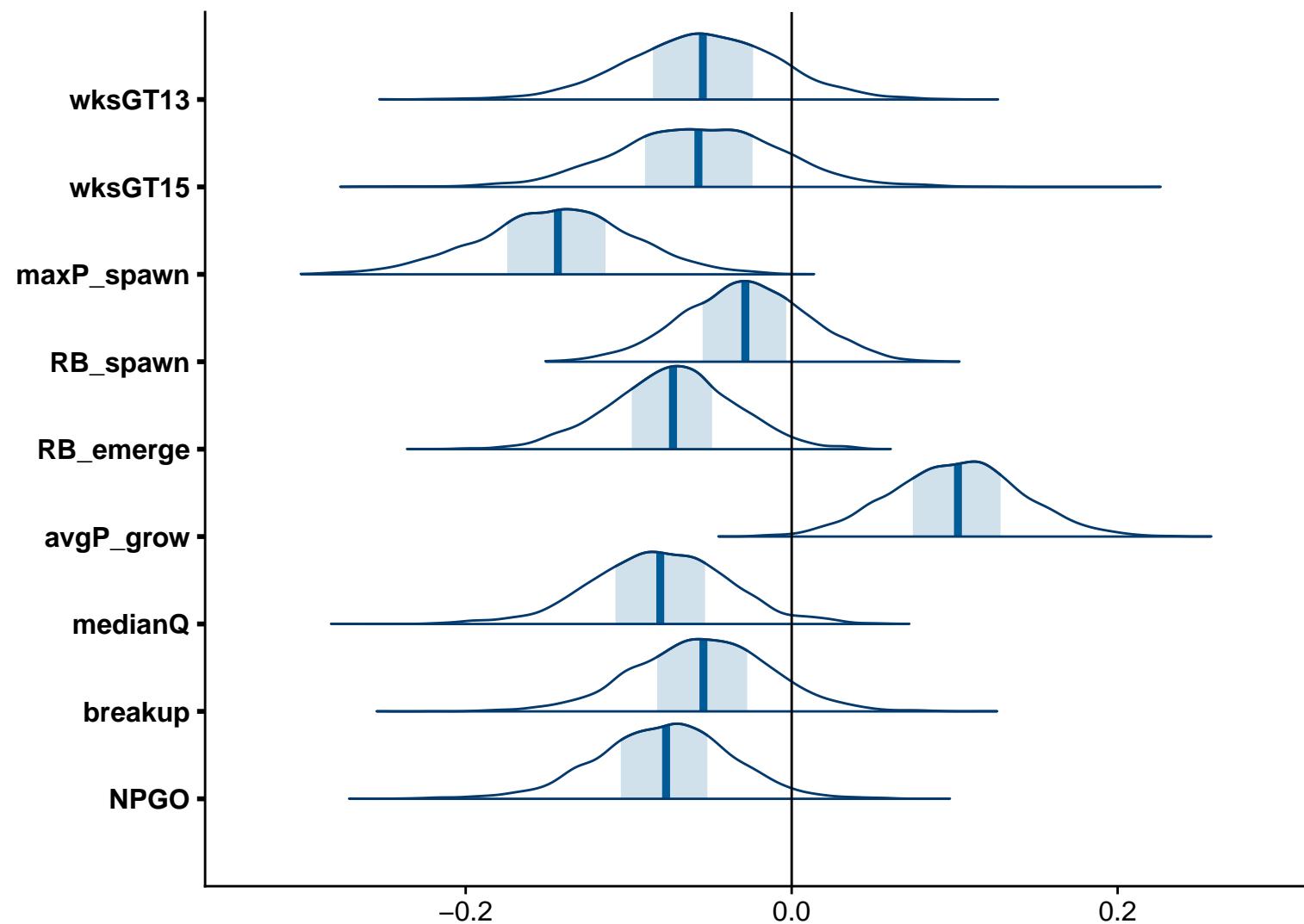


NPGO

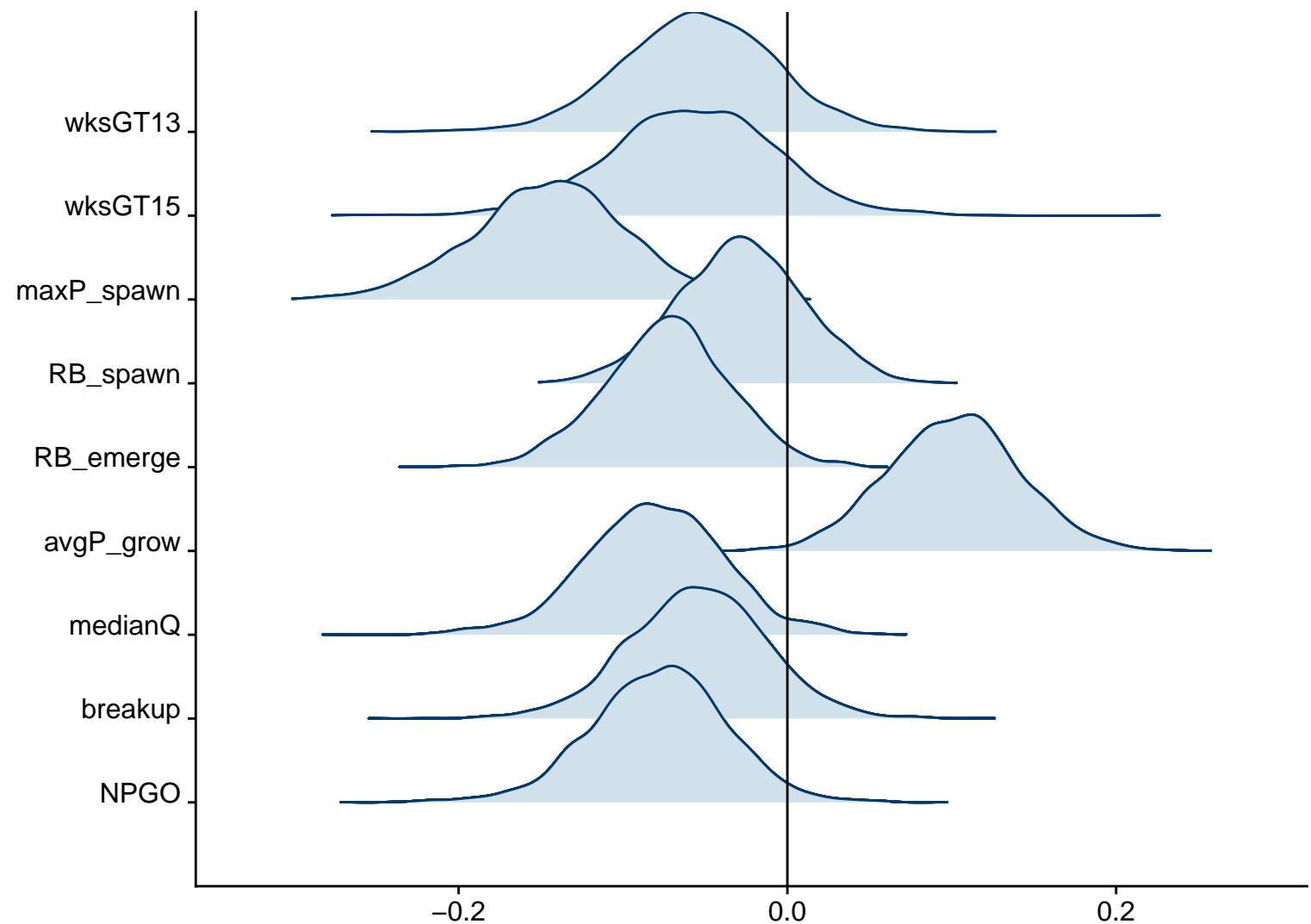


Coefficient (Effect)

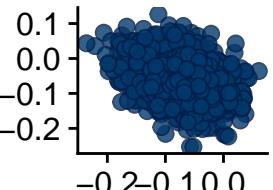
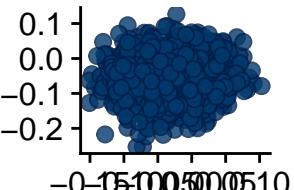
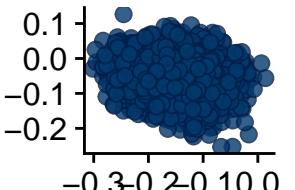
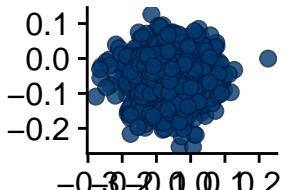
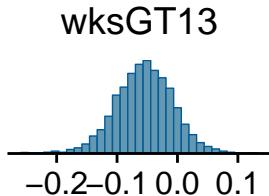
## Group Means (mu.coef)



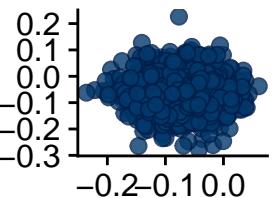
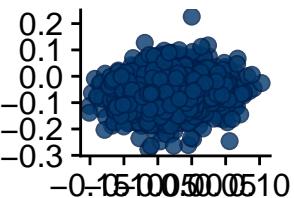
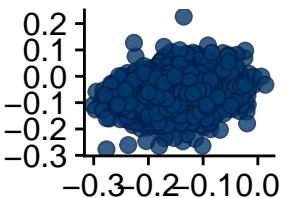
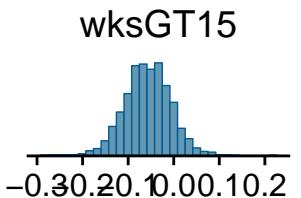
## Group Means (mu.coef)



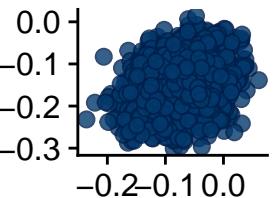
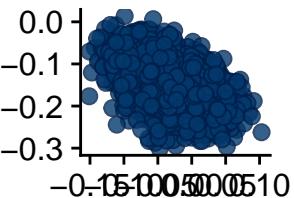
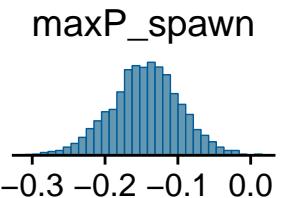
wksGT13



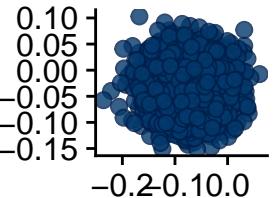
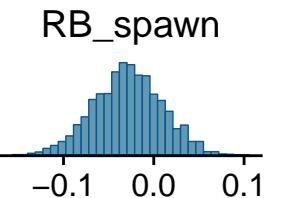
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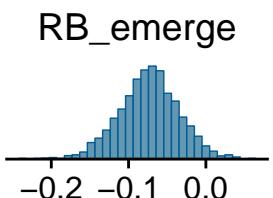
maxP\_spawn



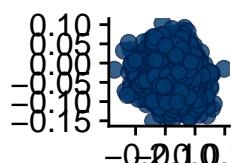
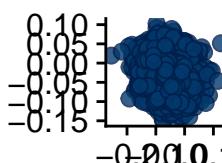
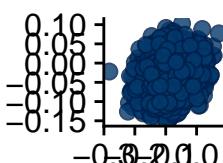
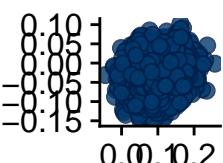
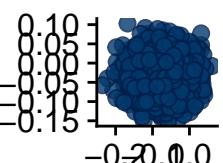
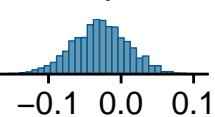
RB\_spawn



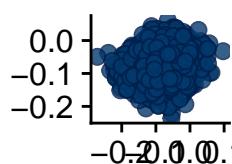
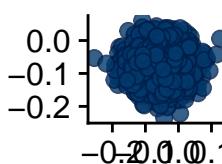
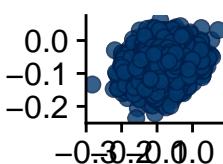
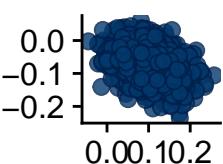
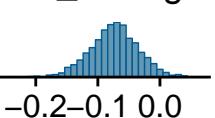
RB\_emerge



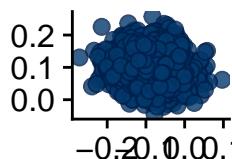
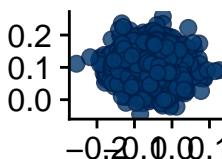
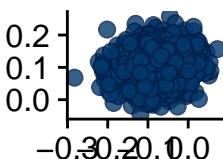
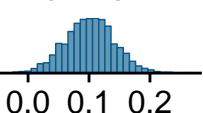
RB\_spawn



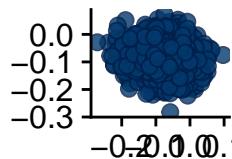
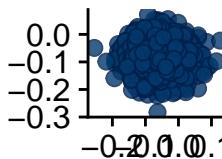
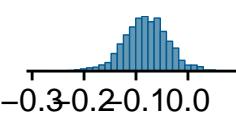
RB\_emerge



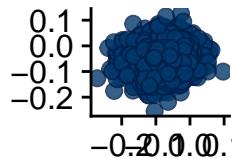
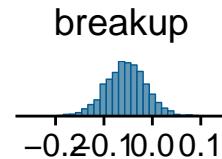
avgP\_grow



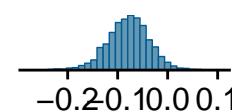
medianQ



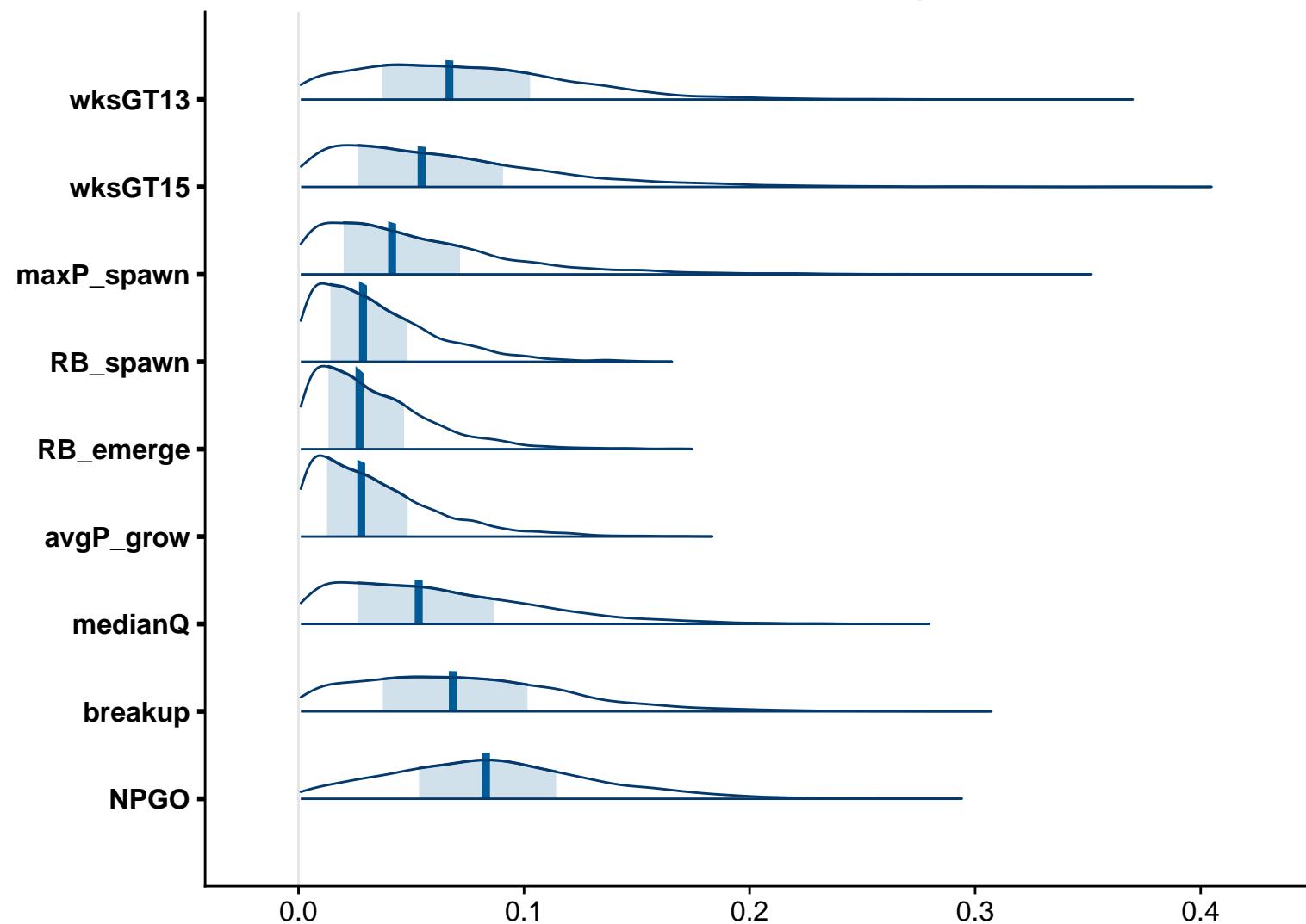
breakup

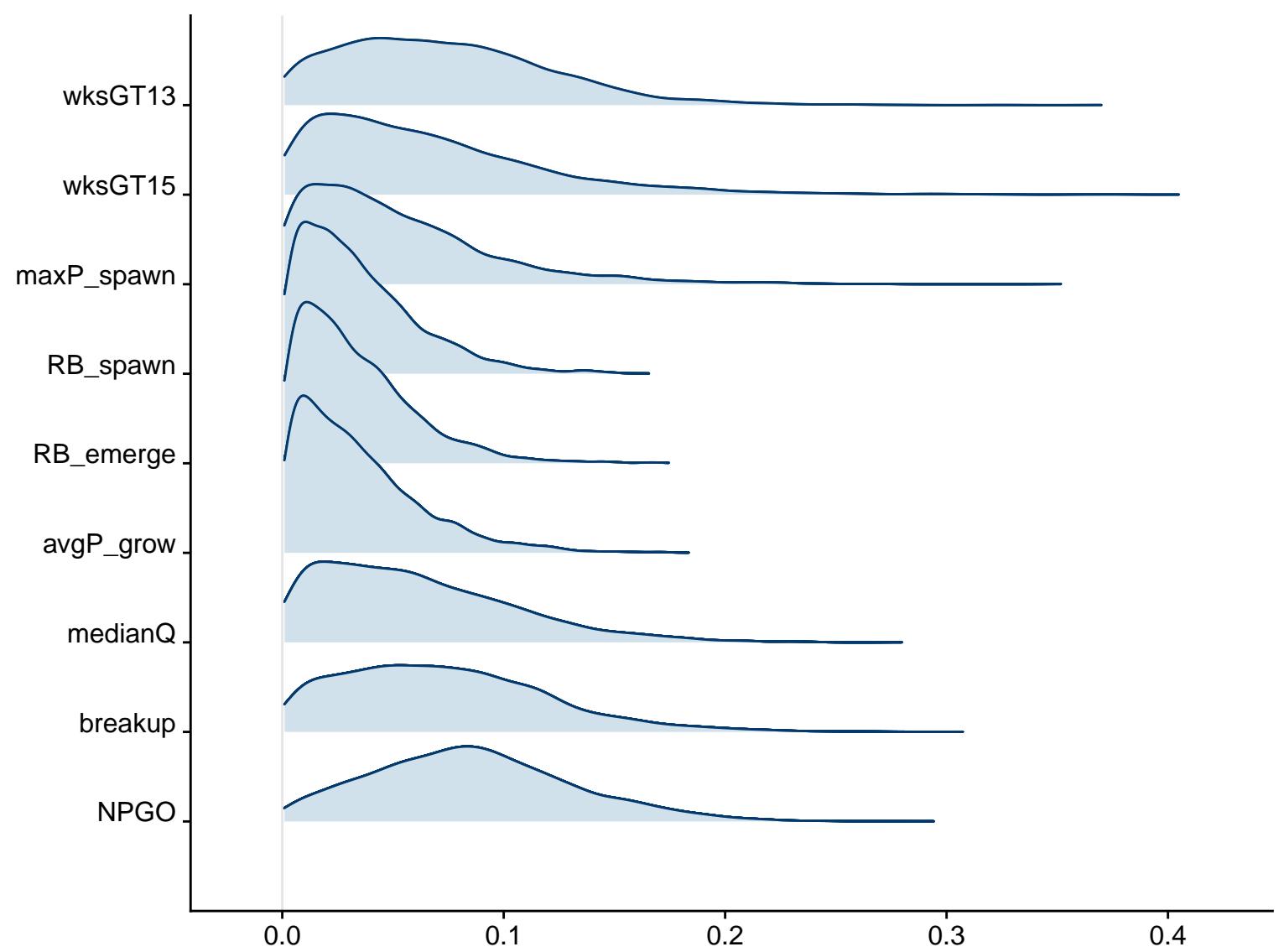


NPGO

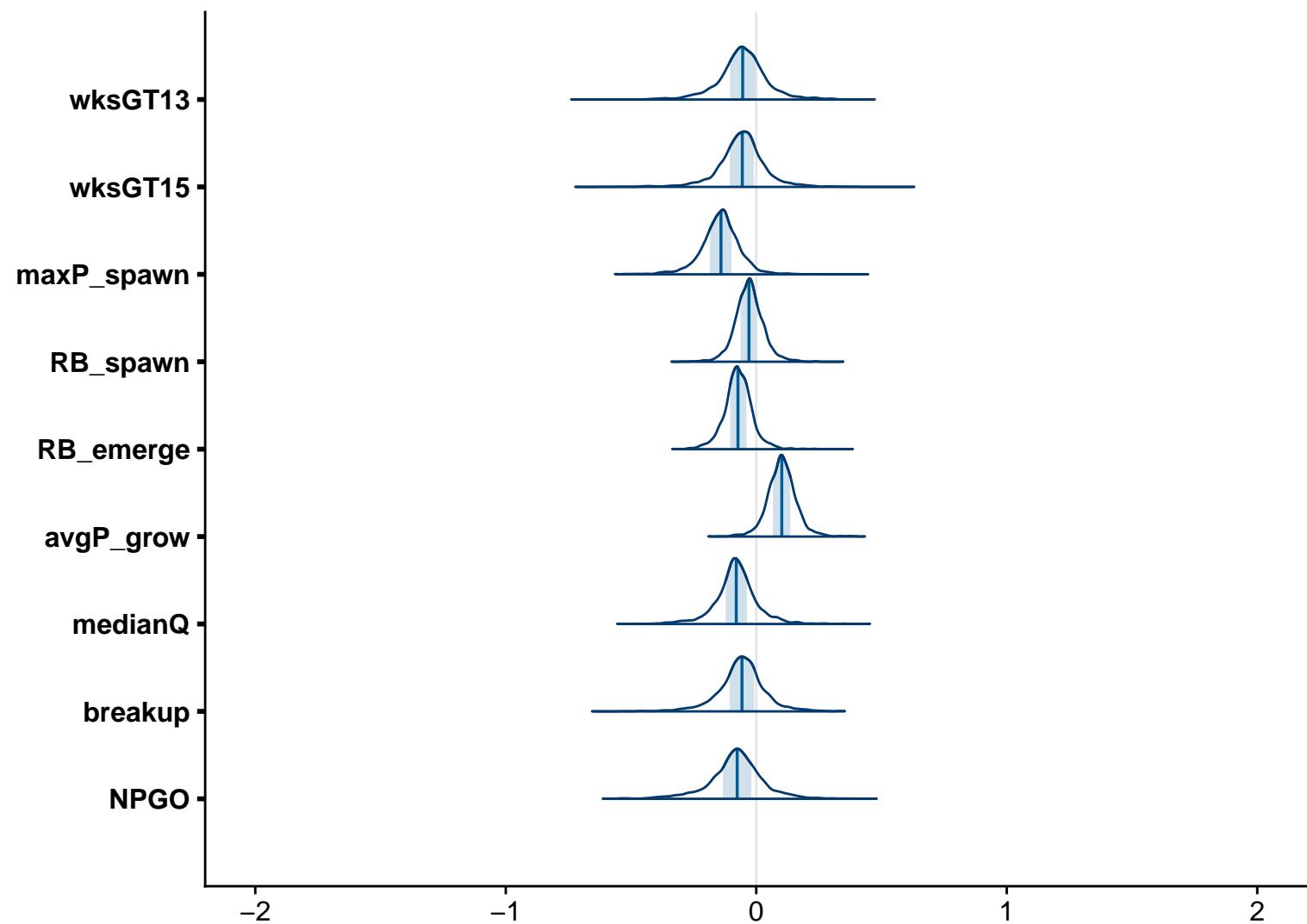


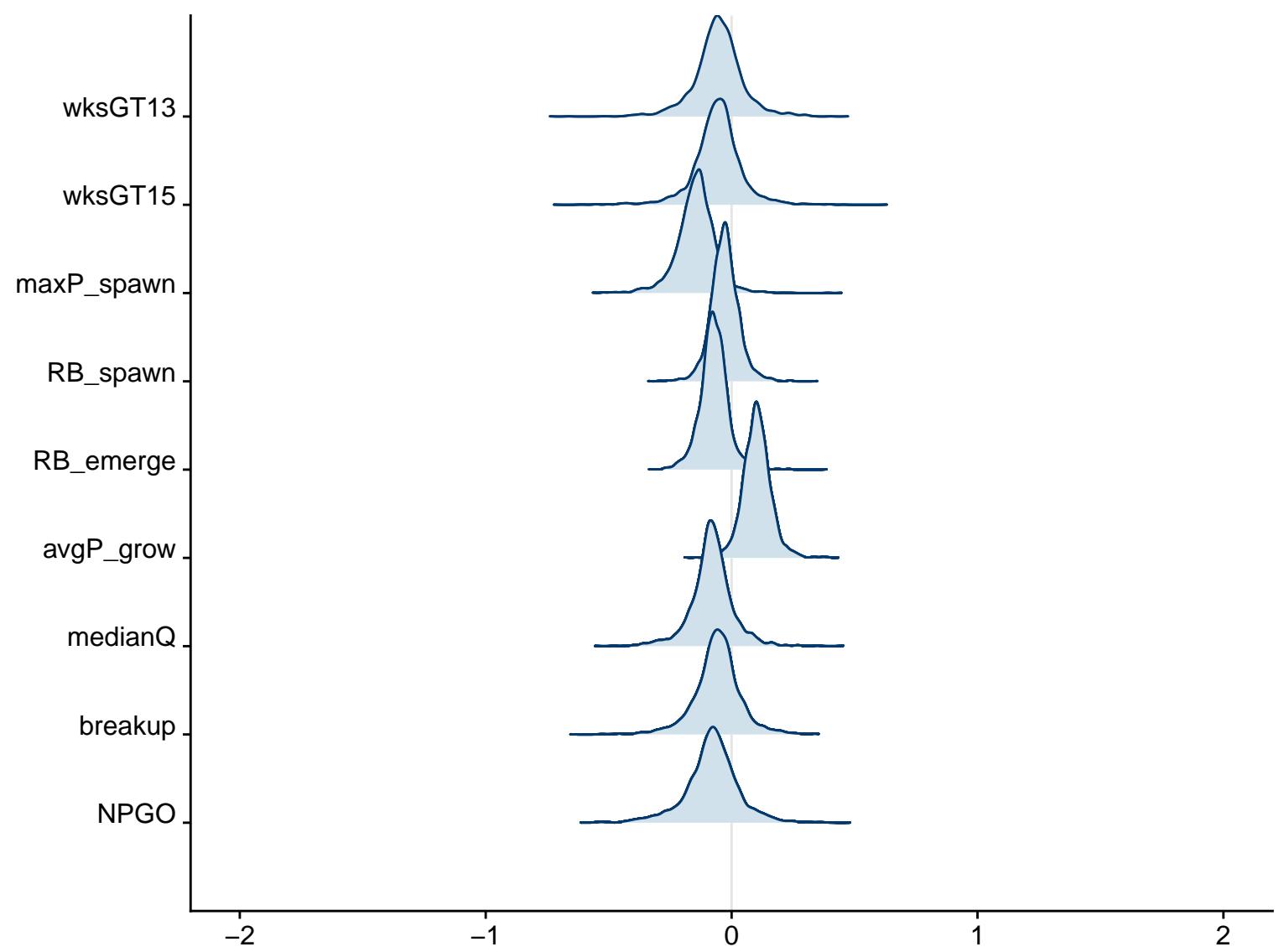
## Group Standard Deviations ( $\sigma.coef$ )



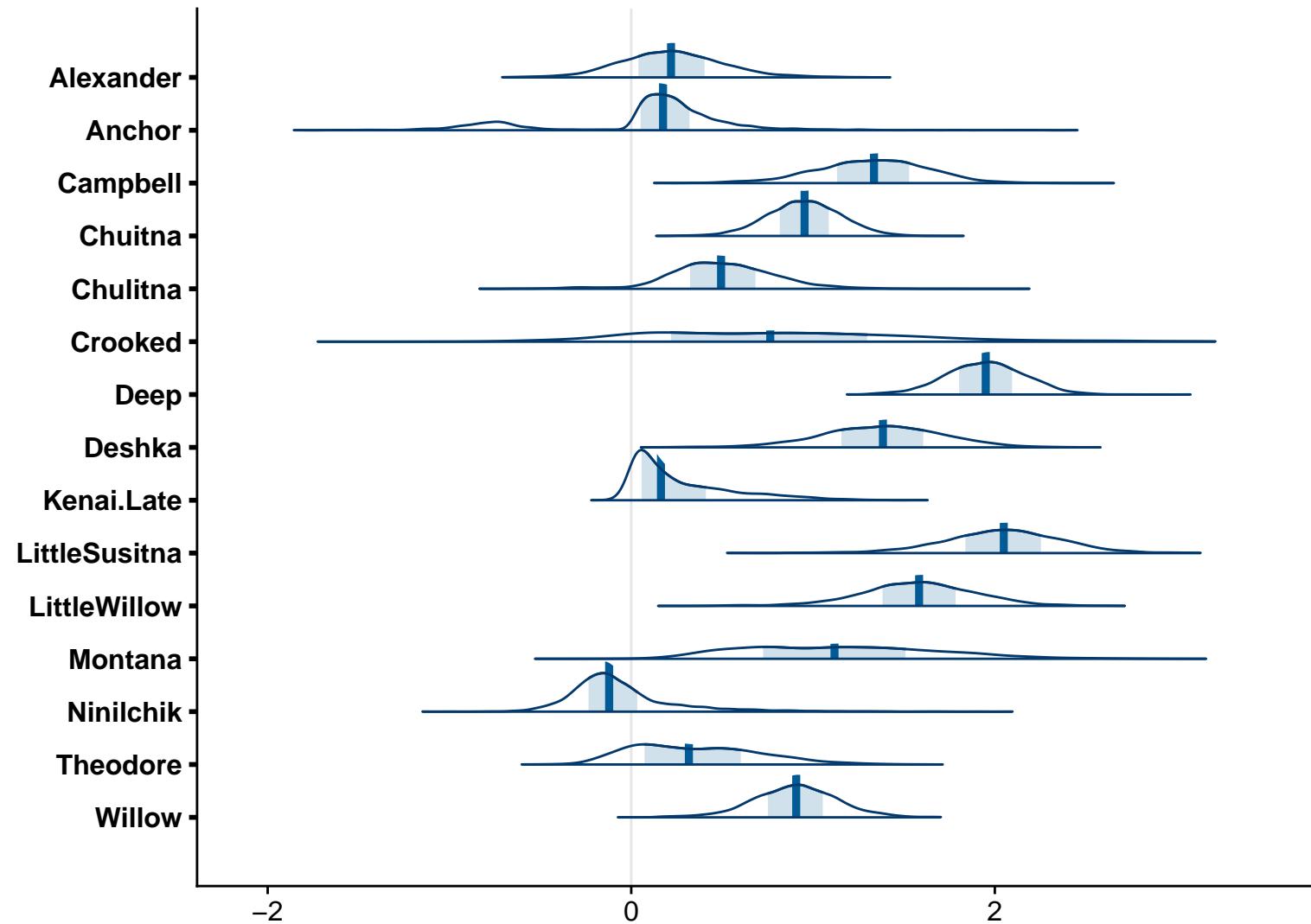


## Full Covariate Prior Distribution (dist.coef)

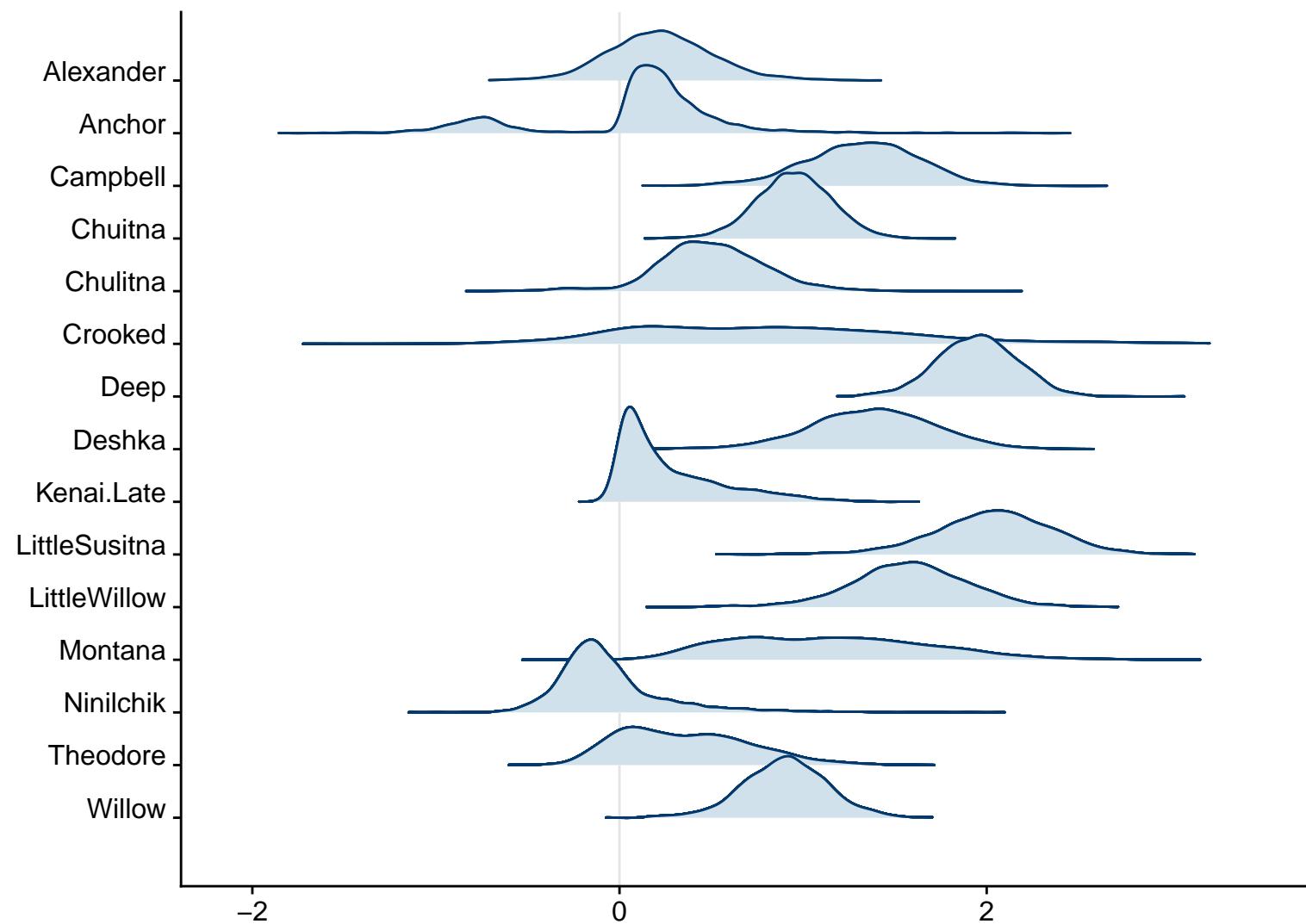




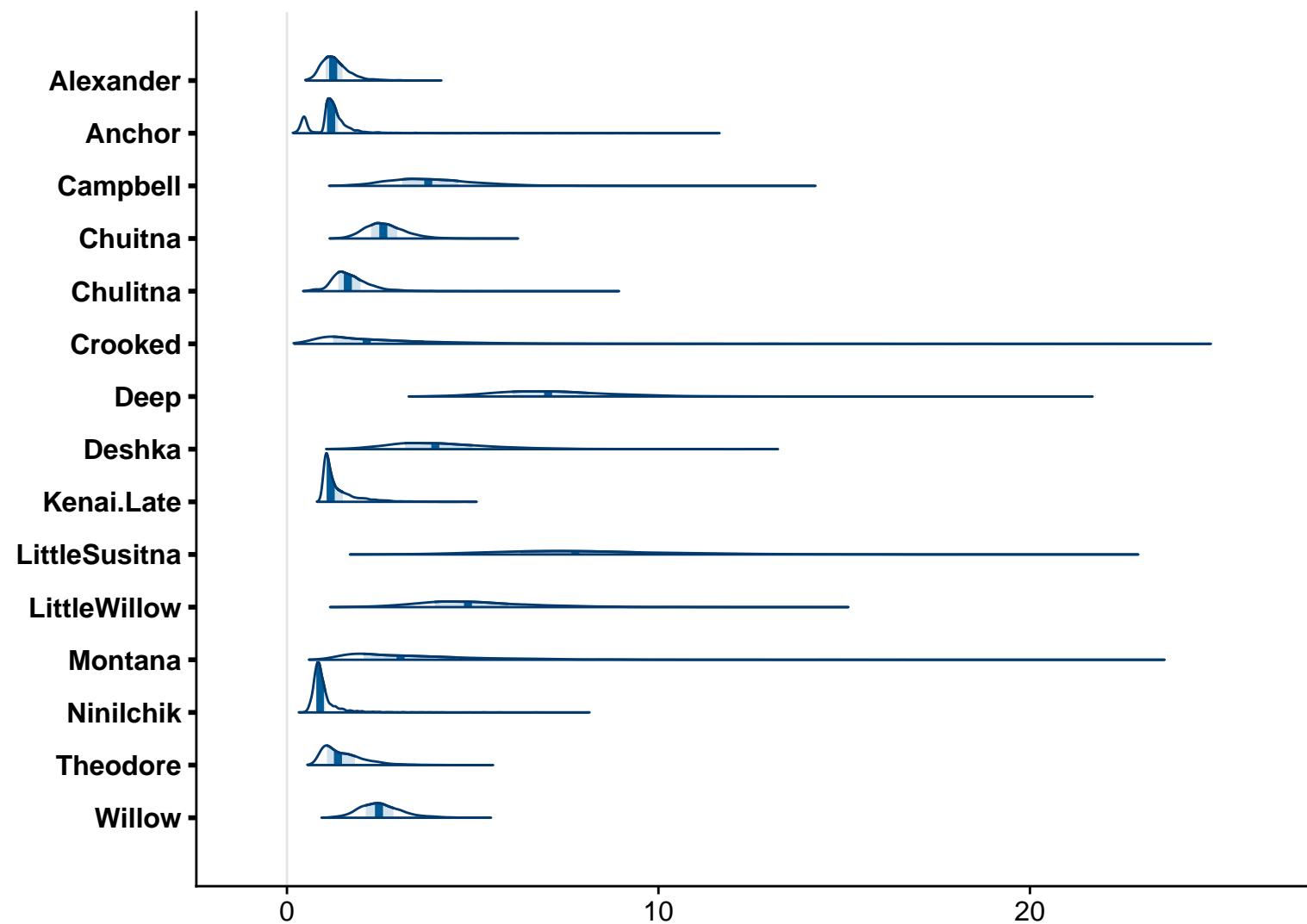
## Ricker Alpha



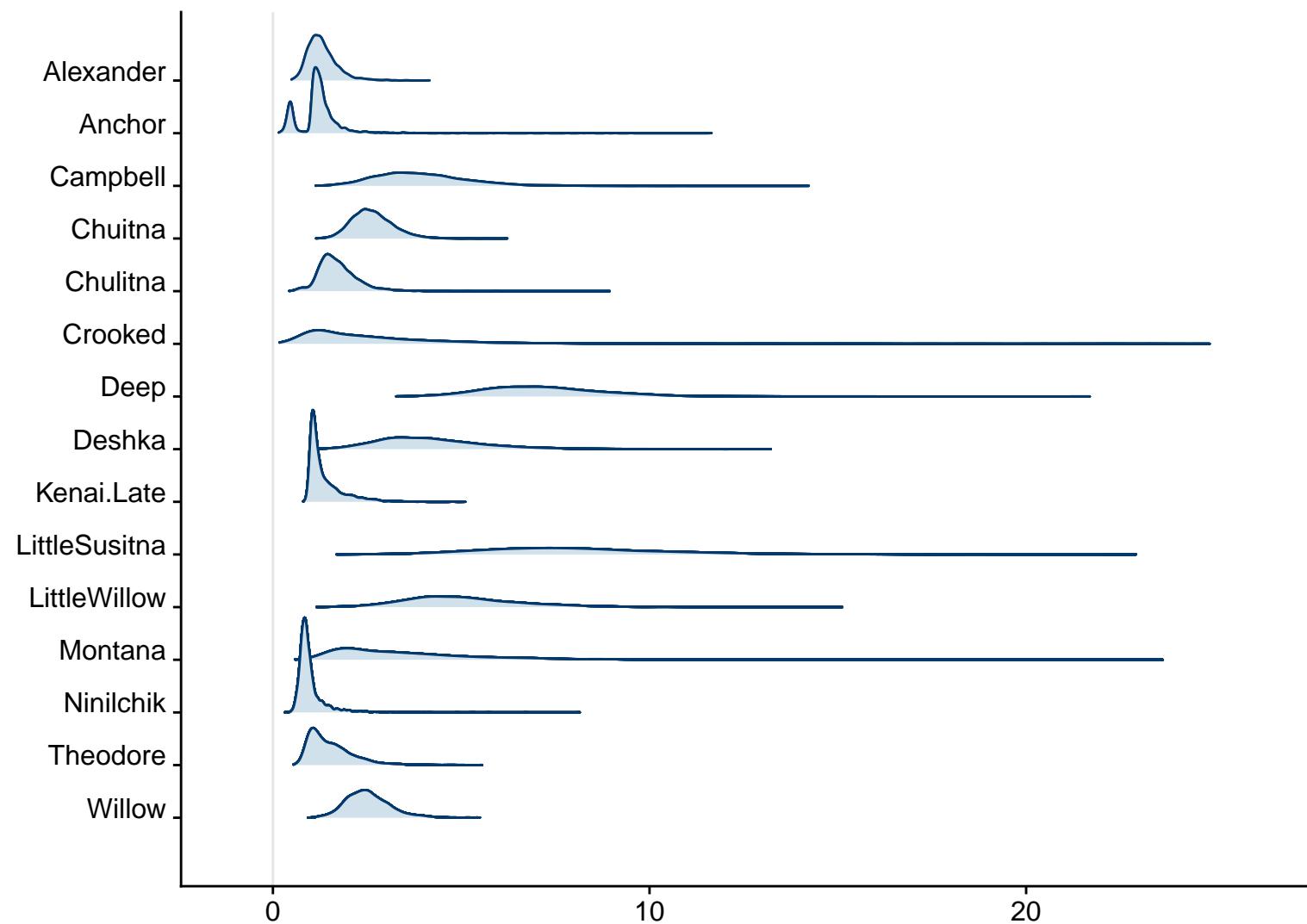
## Ricker Alpha



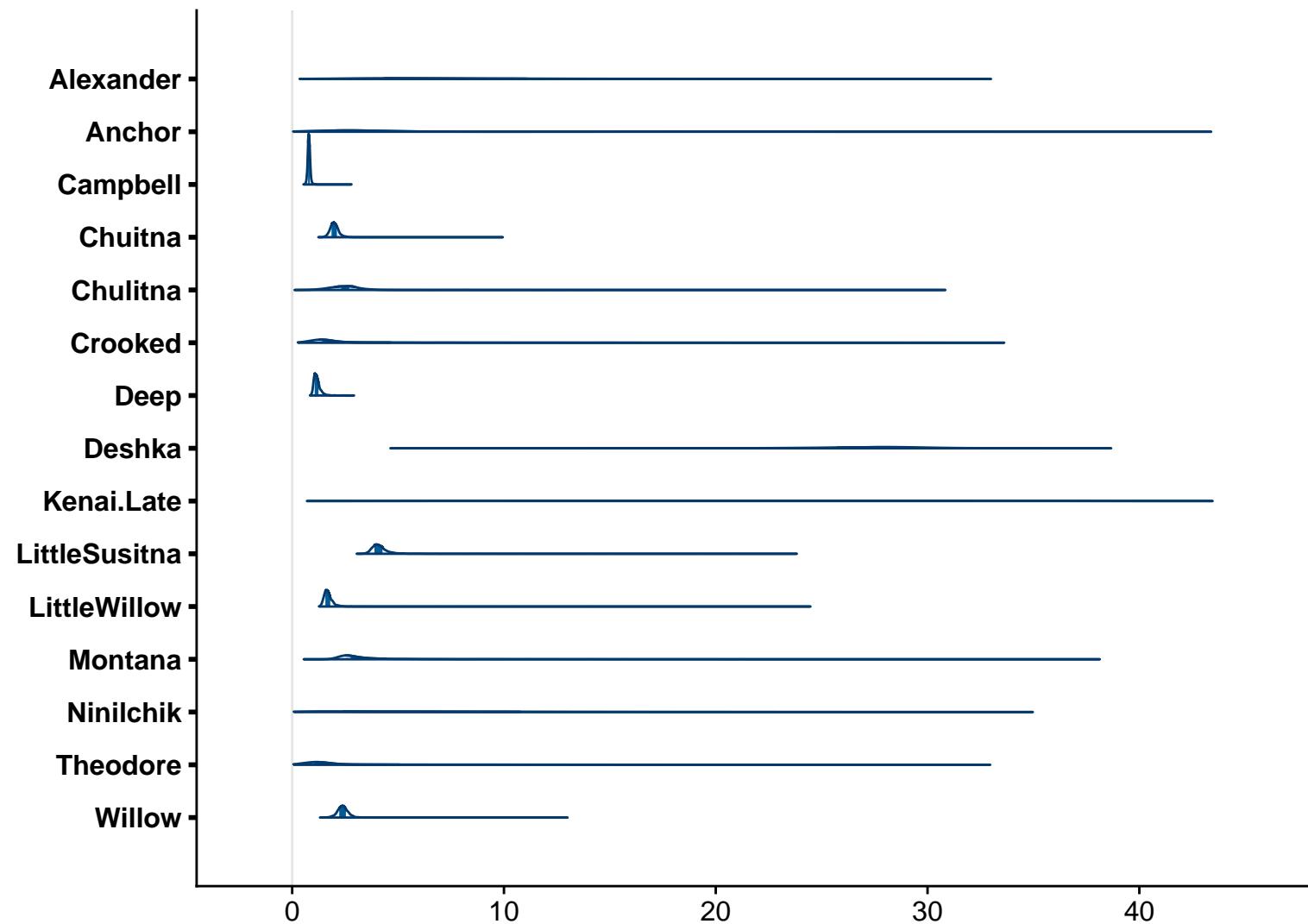
## Maximum Productivity RpS: $\exp(a)$



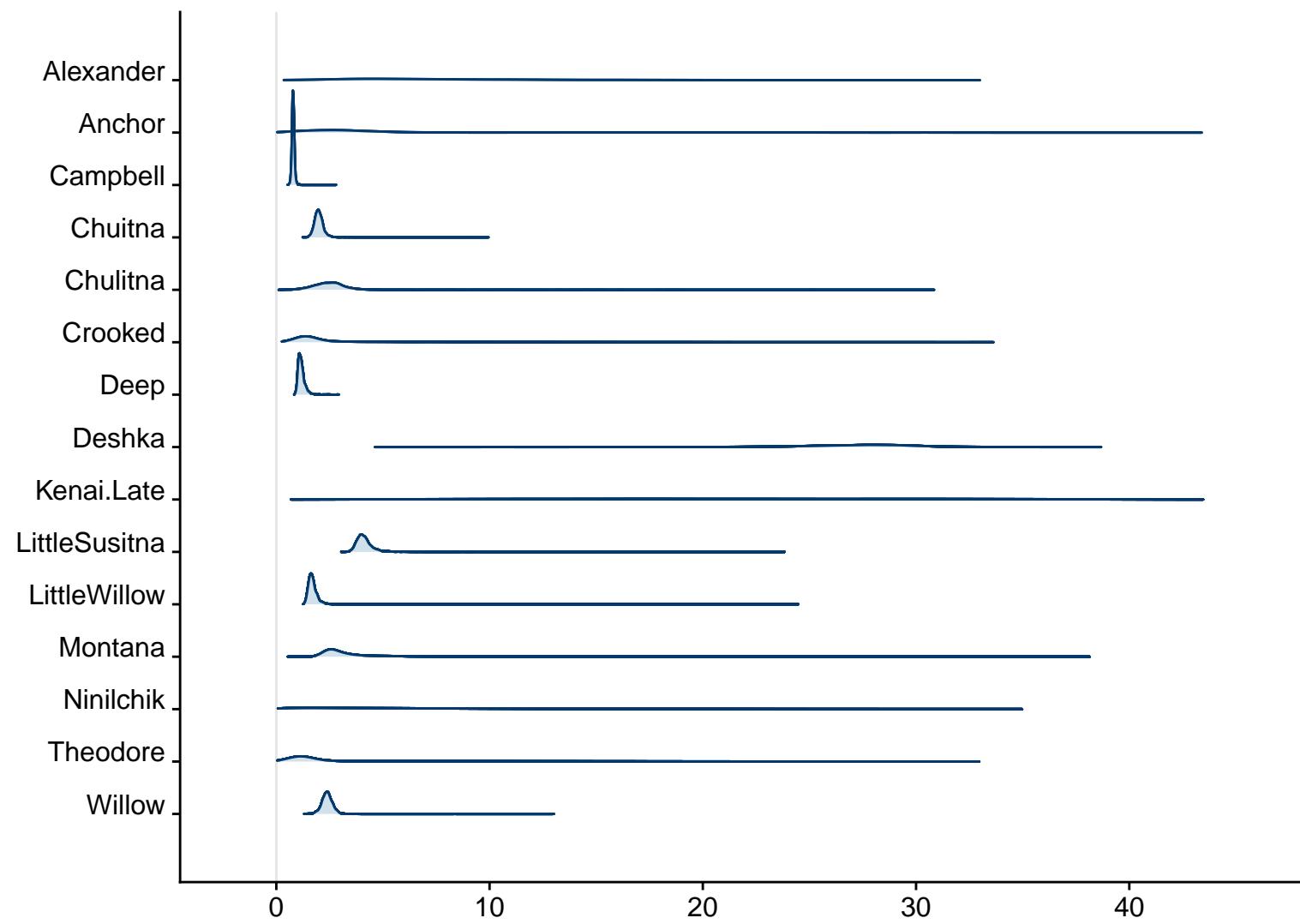
## Maximum Productivity RpS: $\exp(a)$



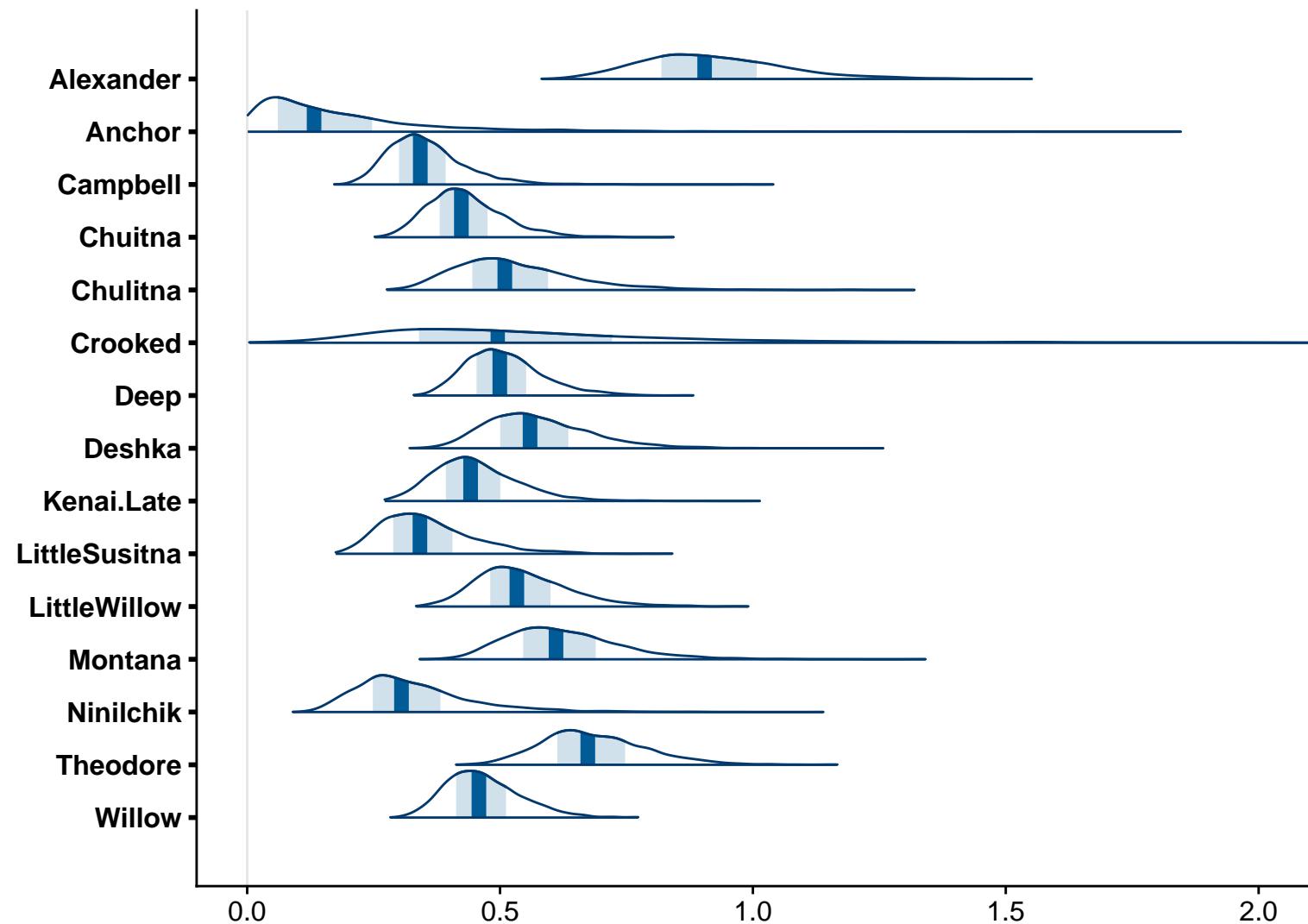
## Equilibrium Abundance (Beta) in Thousands



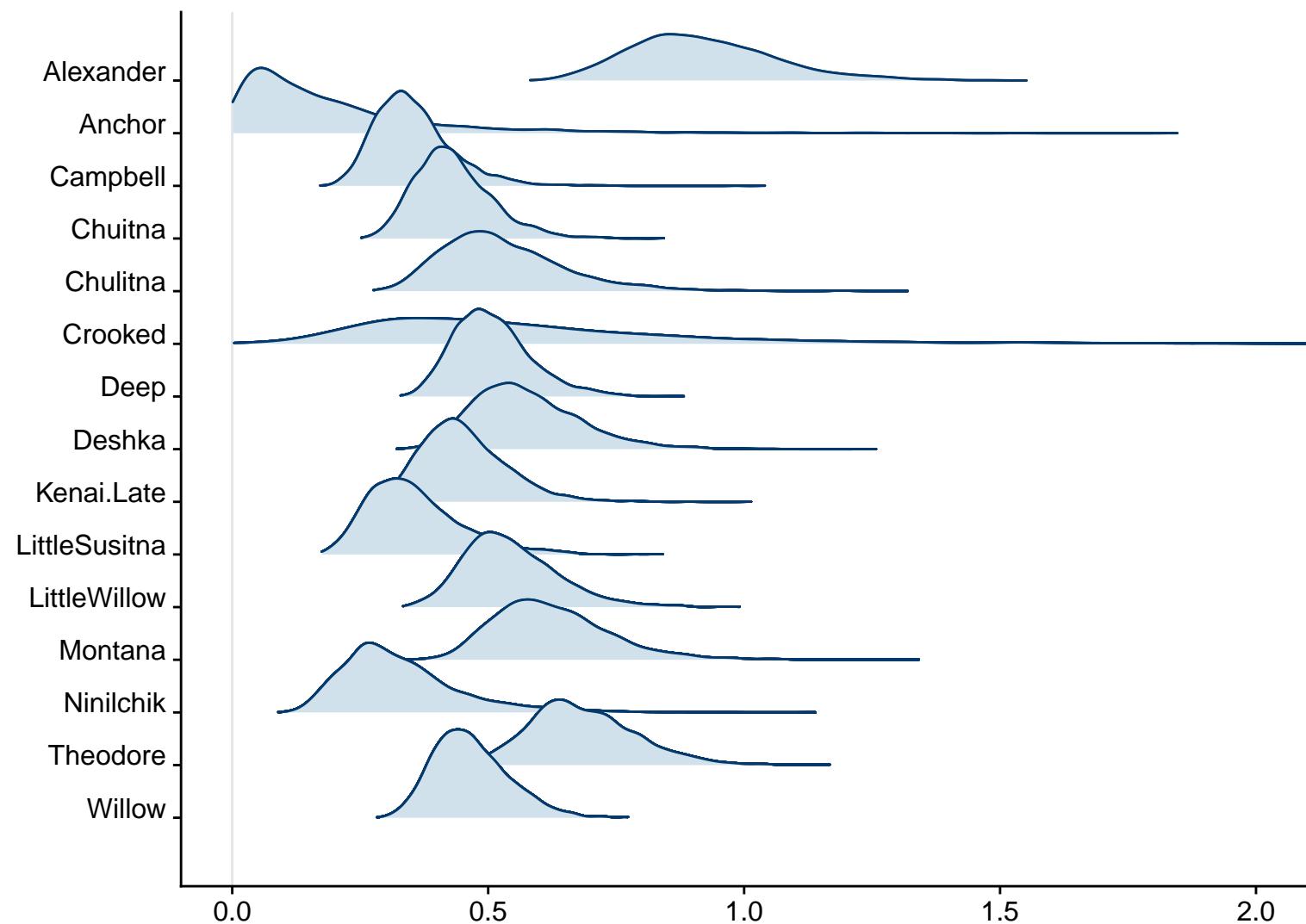
## Equilibrium Abundance (Beta) in Thousands

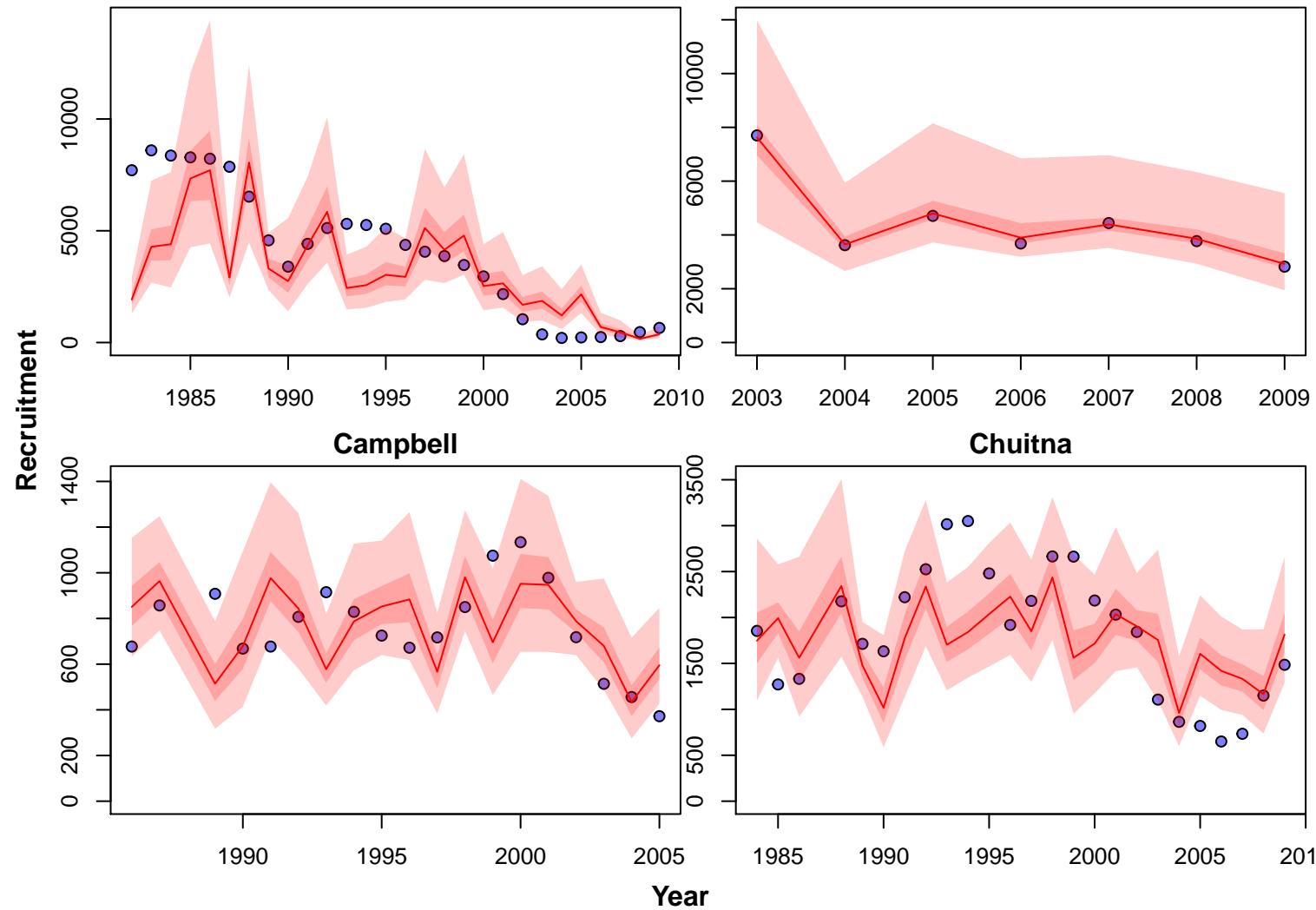


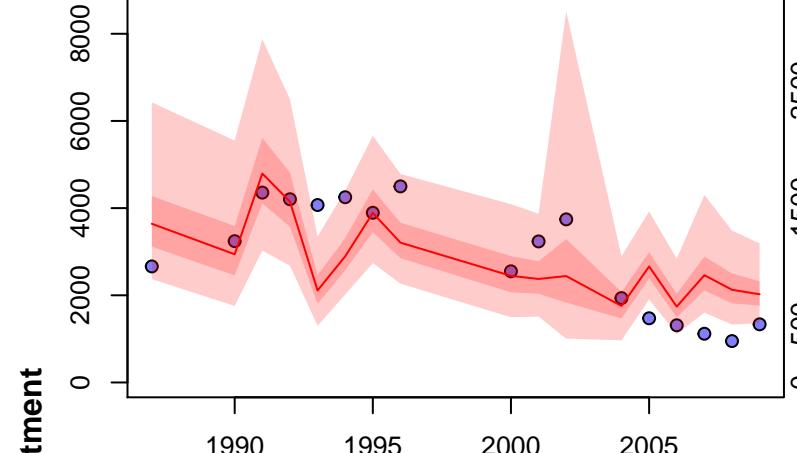
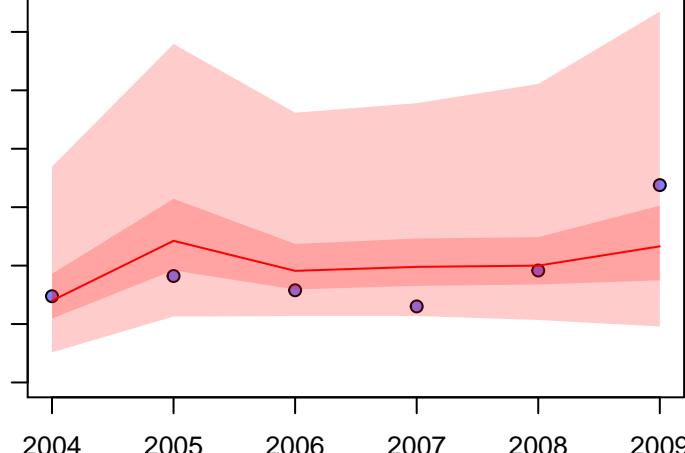
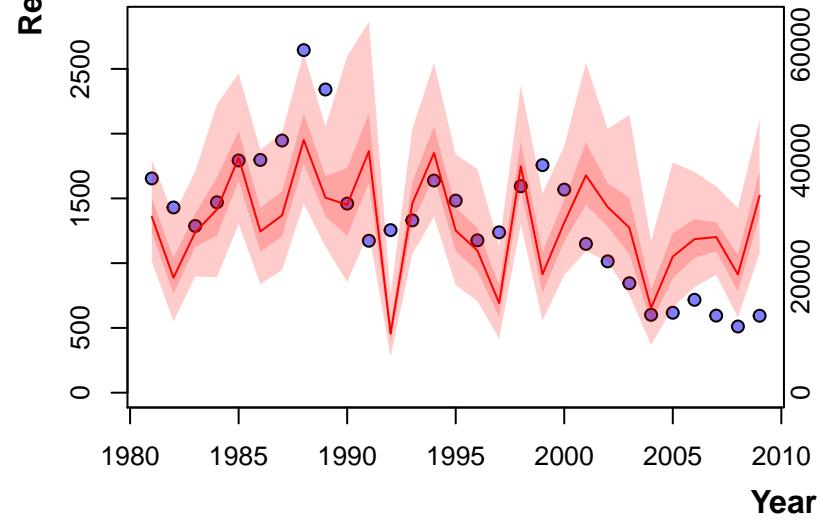
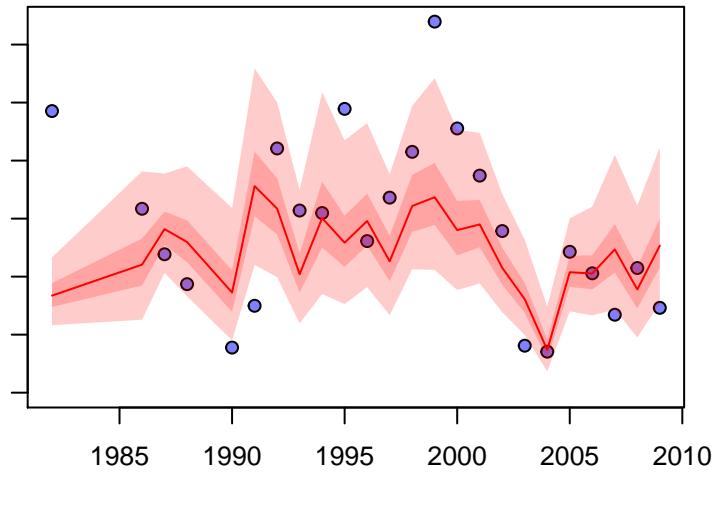
## Process Error (SD)



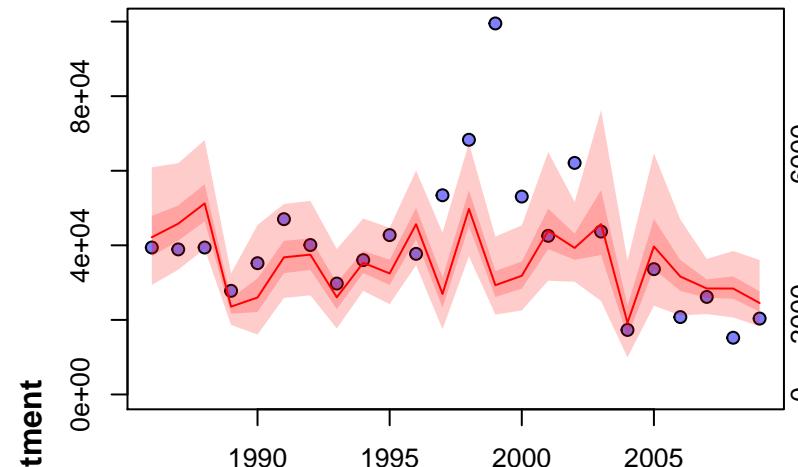
## Process Error (SD)



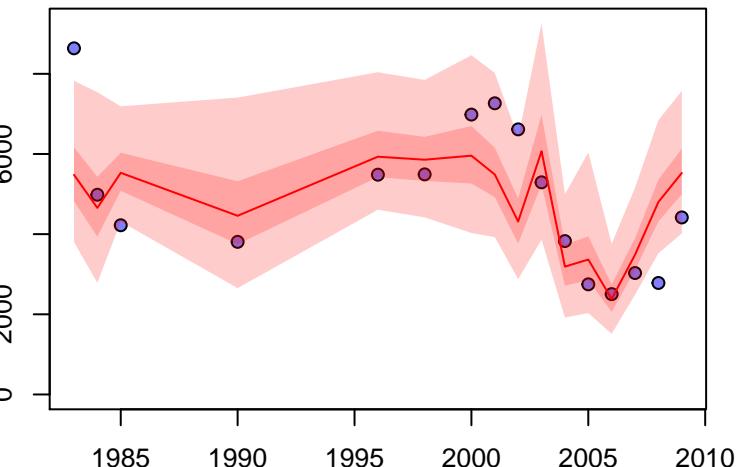
**Alexander**

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

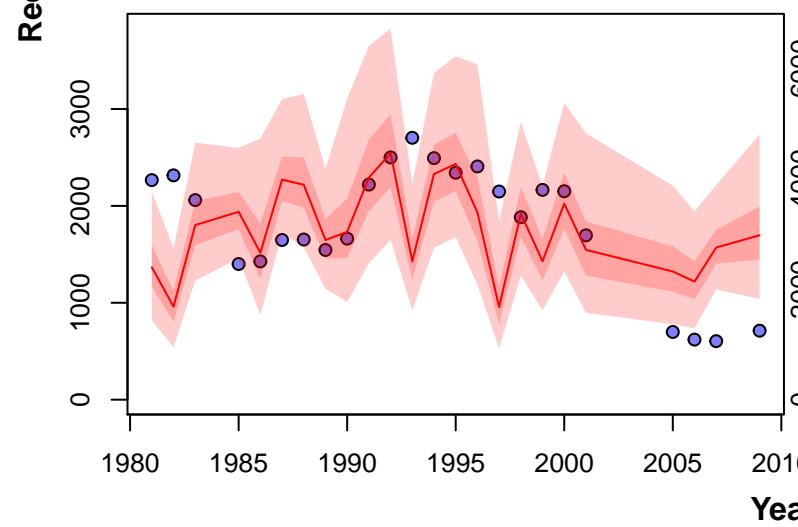
### Kenai.Late



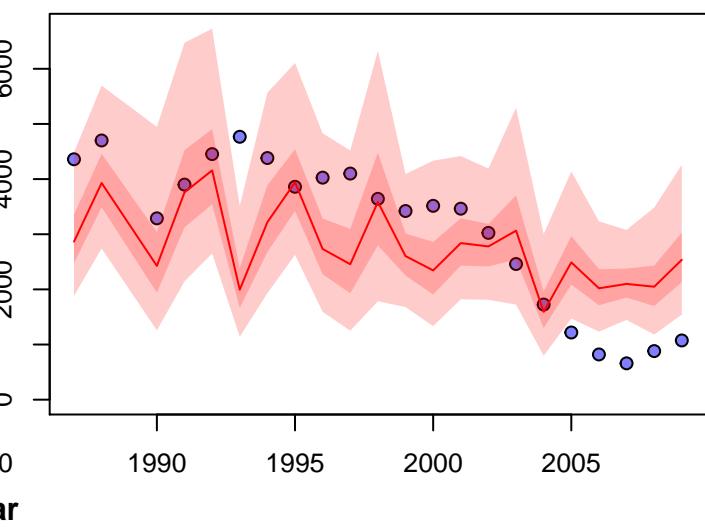
### LittleSusitna



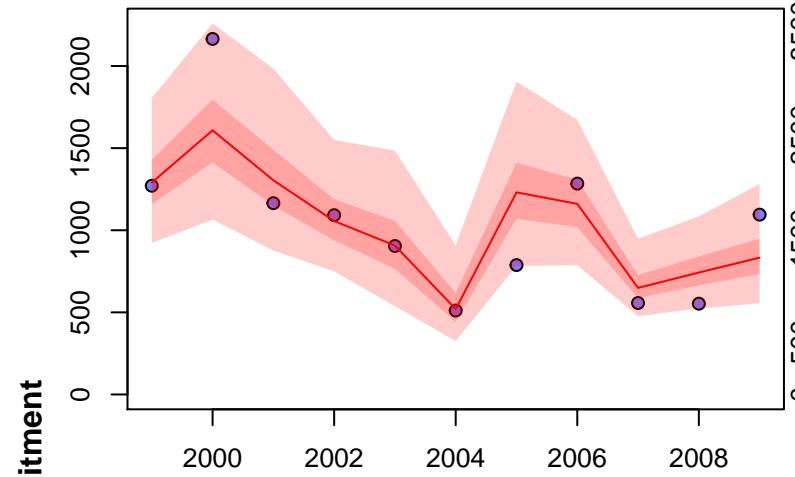
### LittleWillow



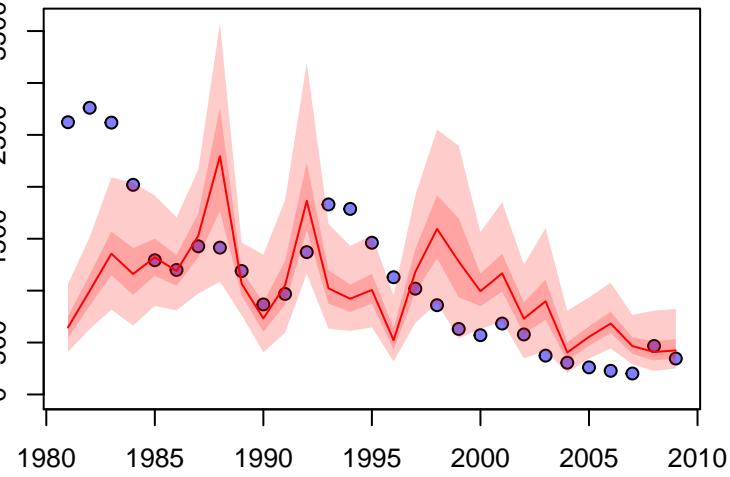
### Montana



### Ninilchik



### Theodore



### Willow

