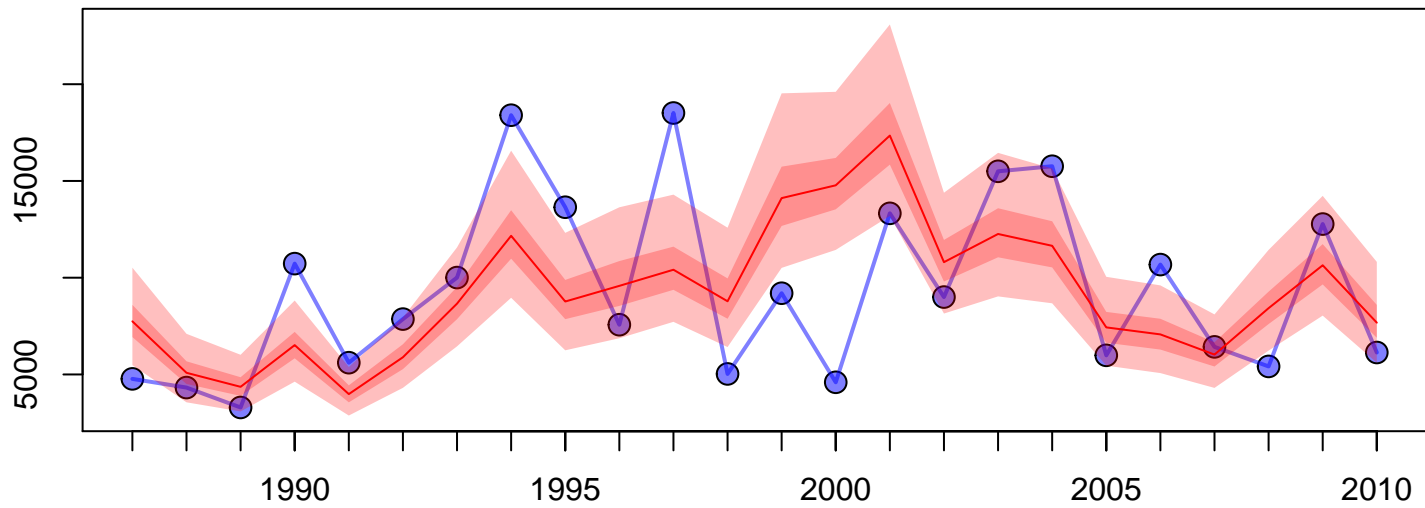
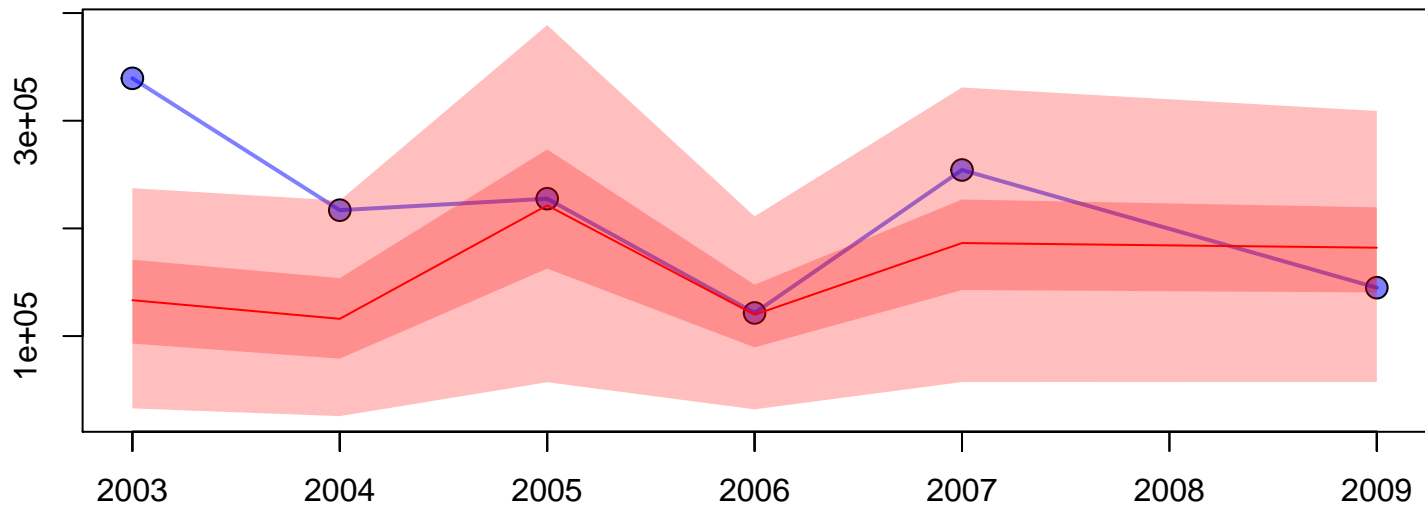


salcha River Posterior

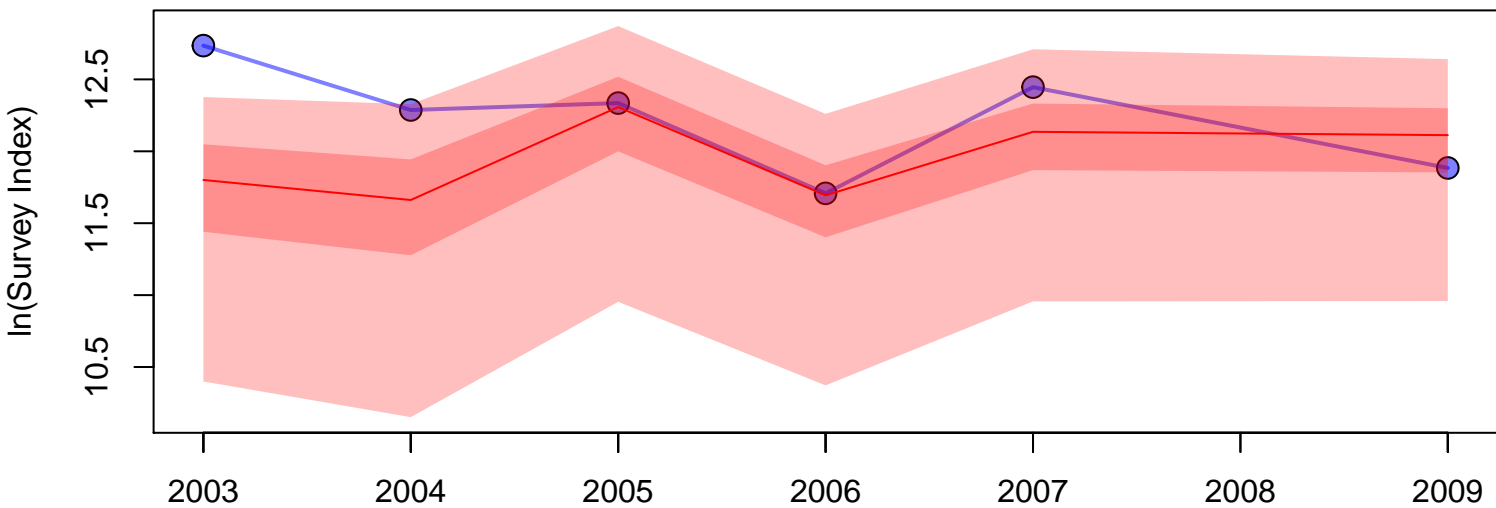
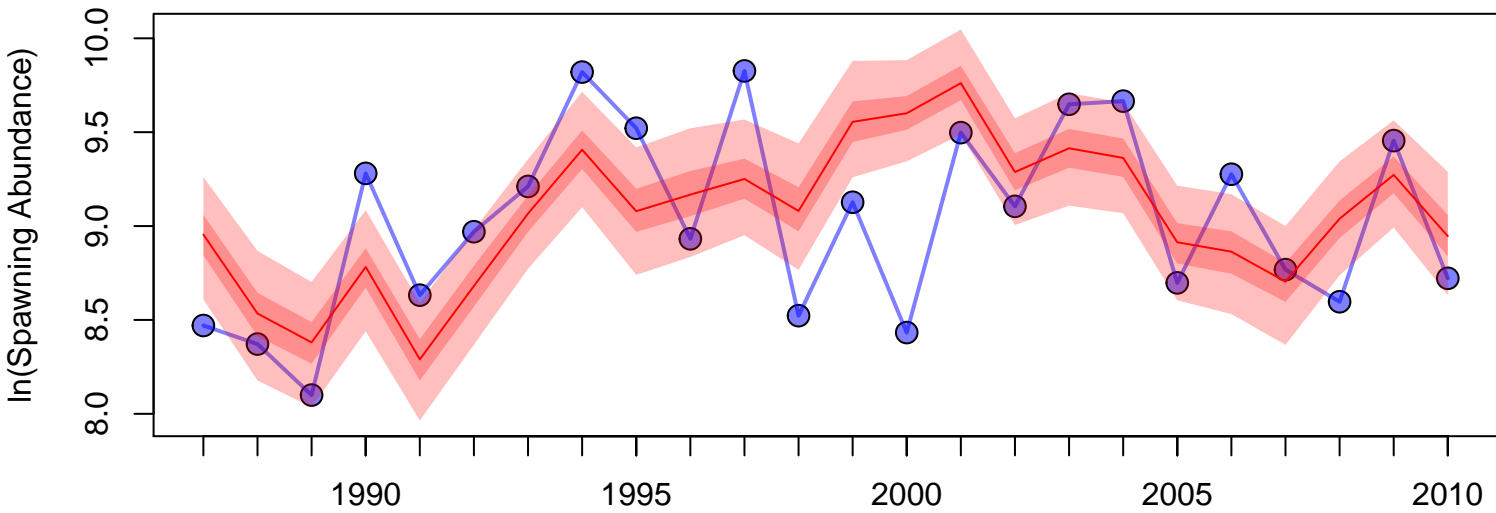
Spawning Abundance



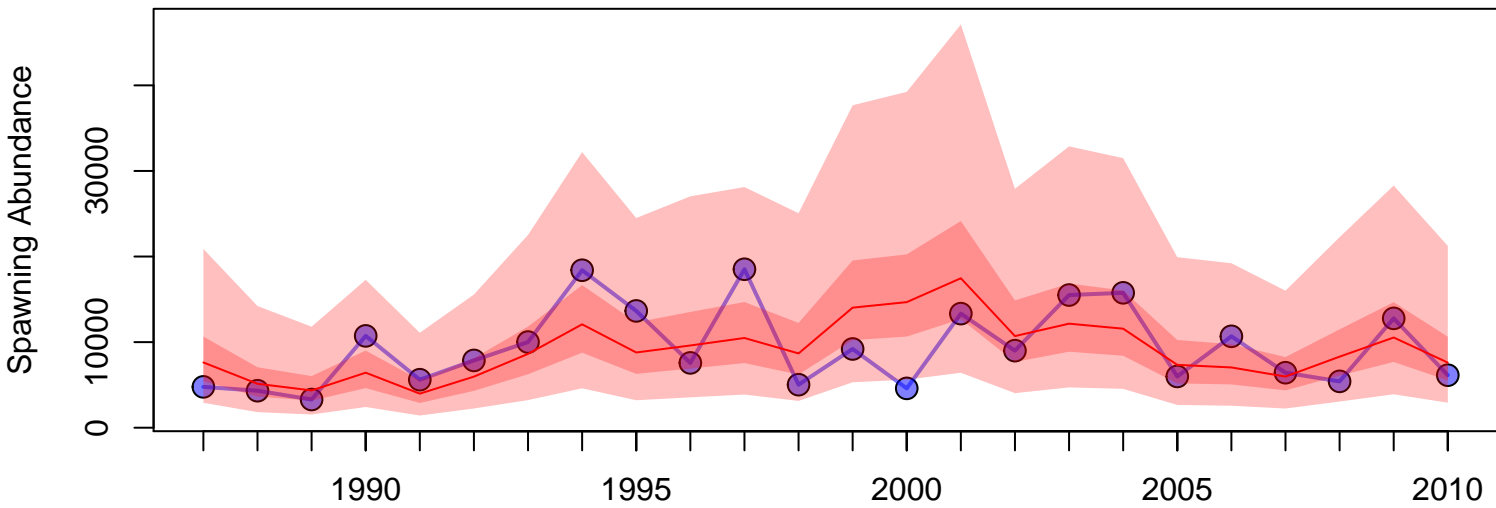
Survey Index



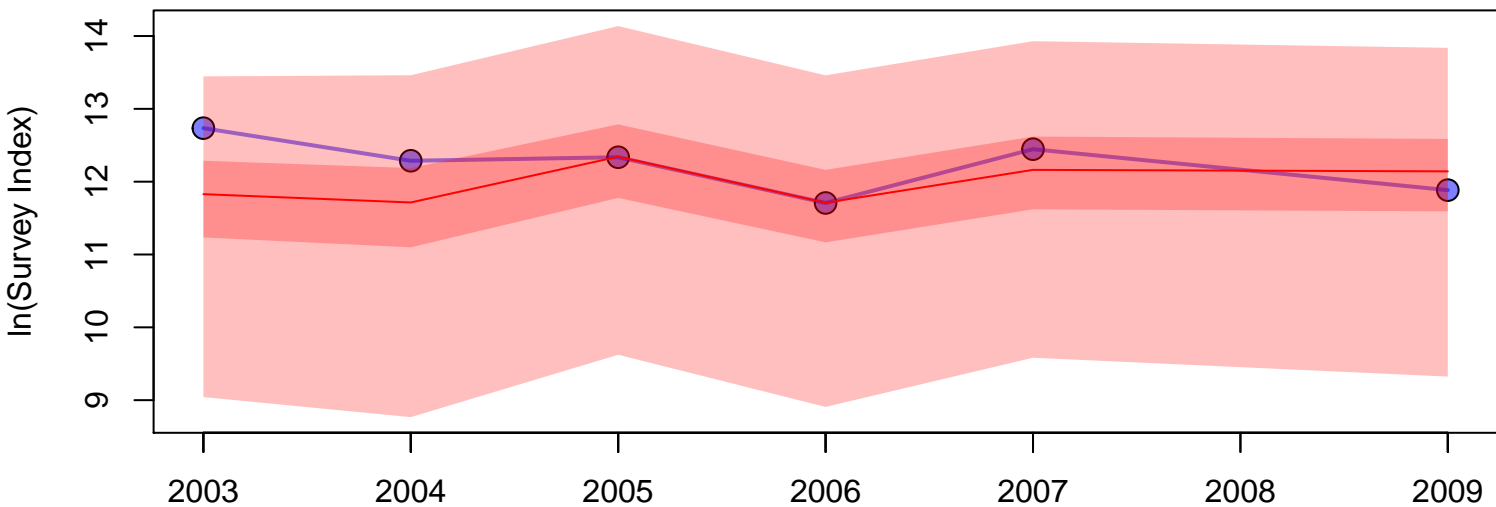
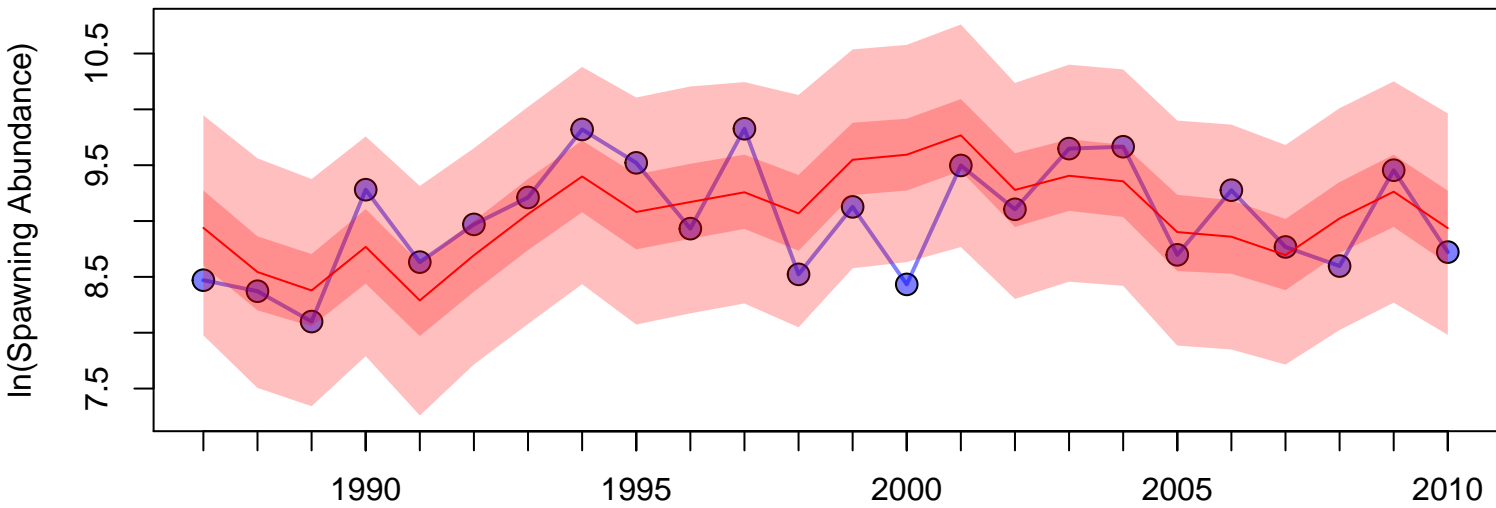
salcha River Posterior



salcha River Posterior Predictive Distribution

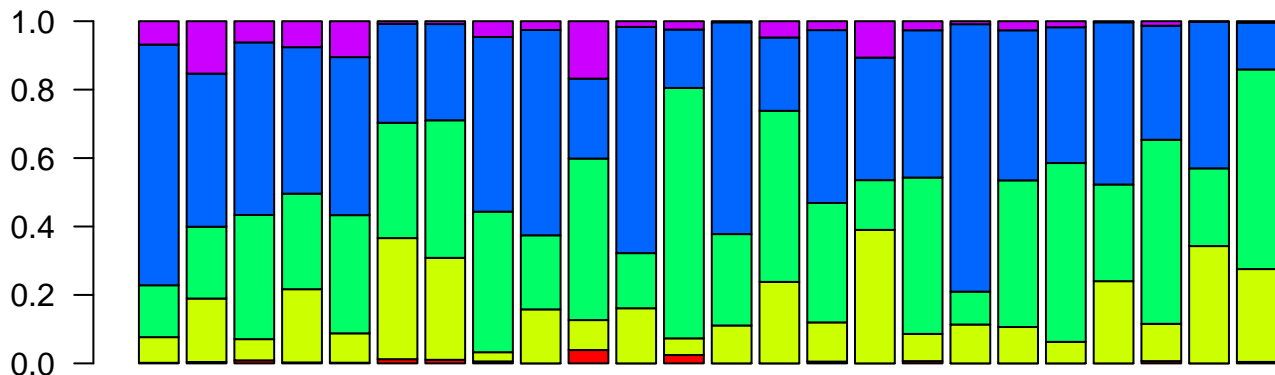


salcha River Posterior Predictive Distribution

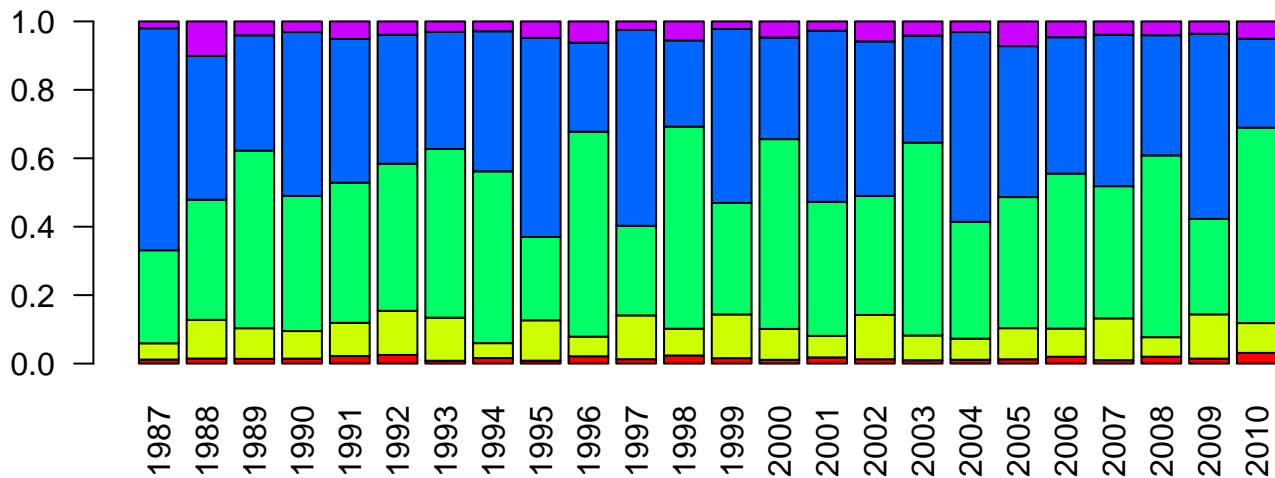


# Age Composition Proportion

Observed

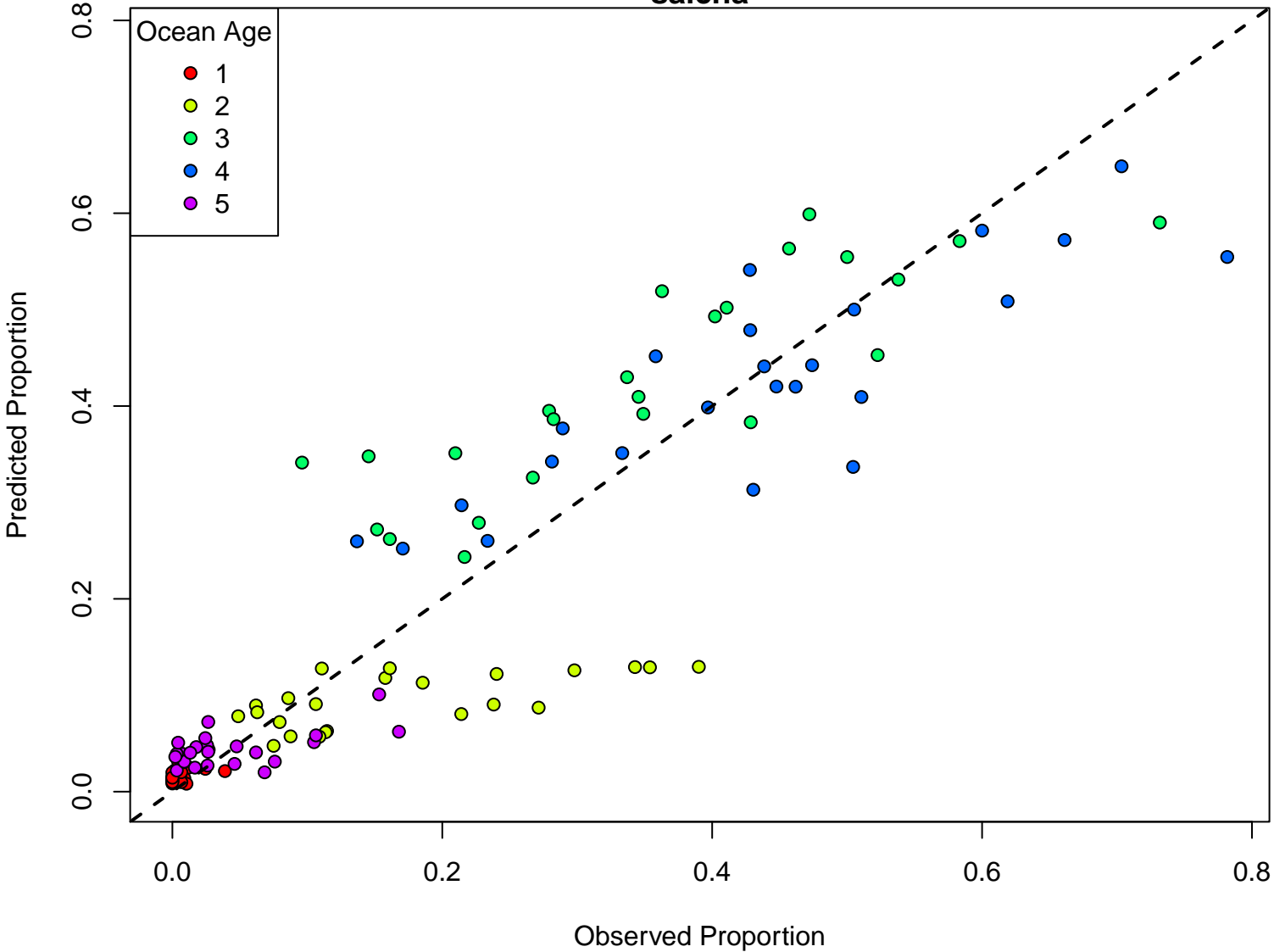


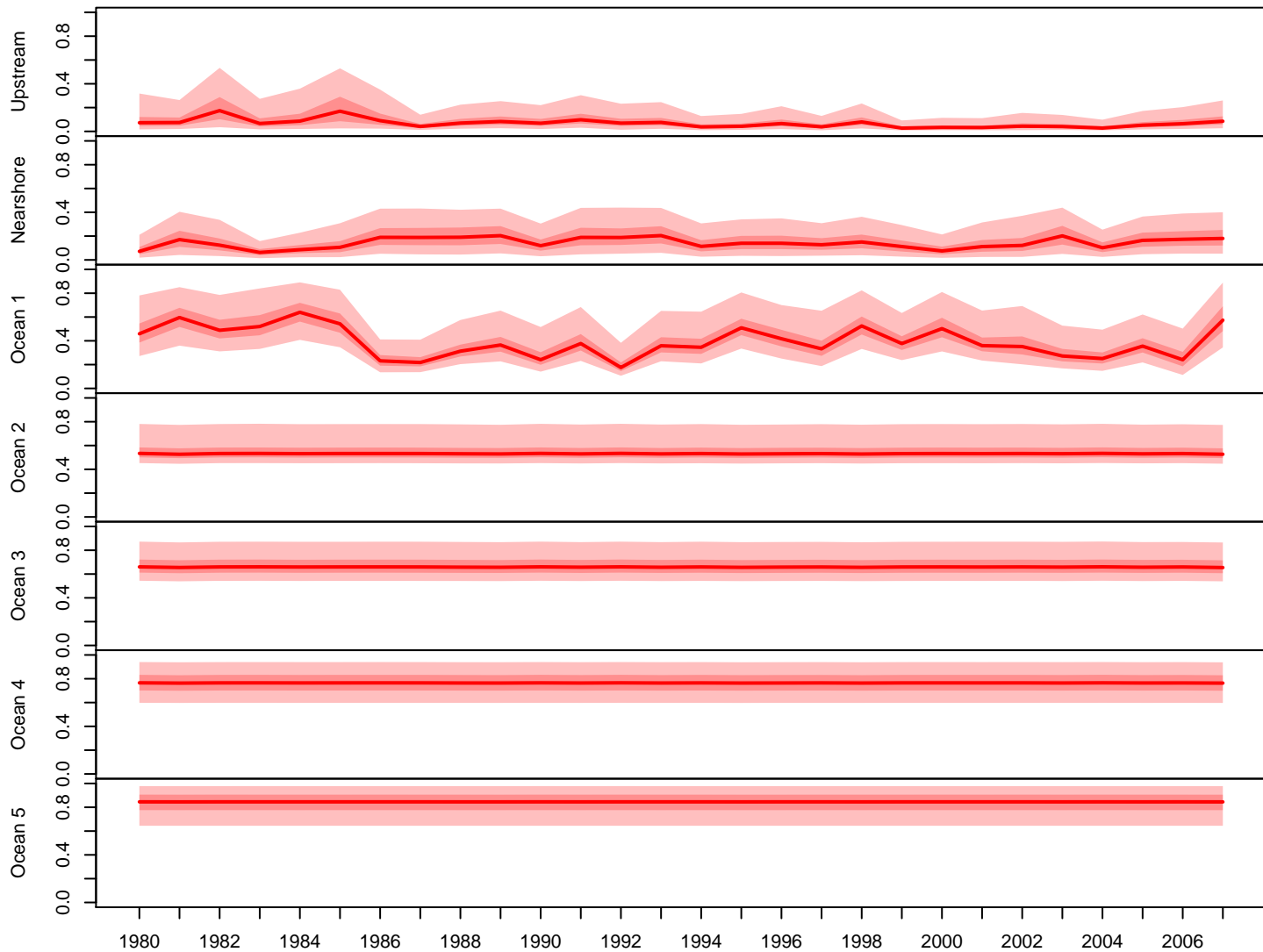
Predicted

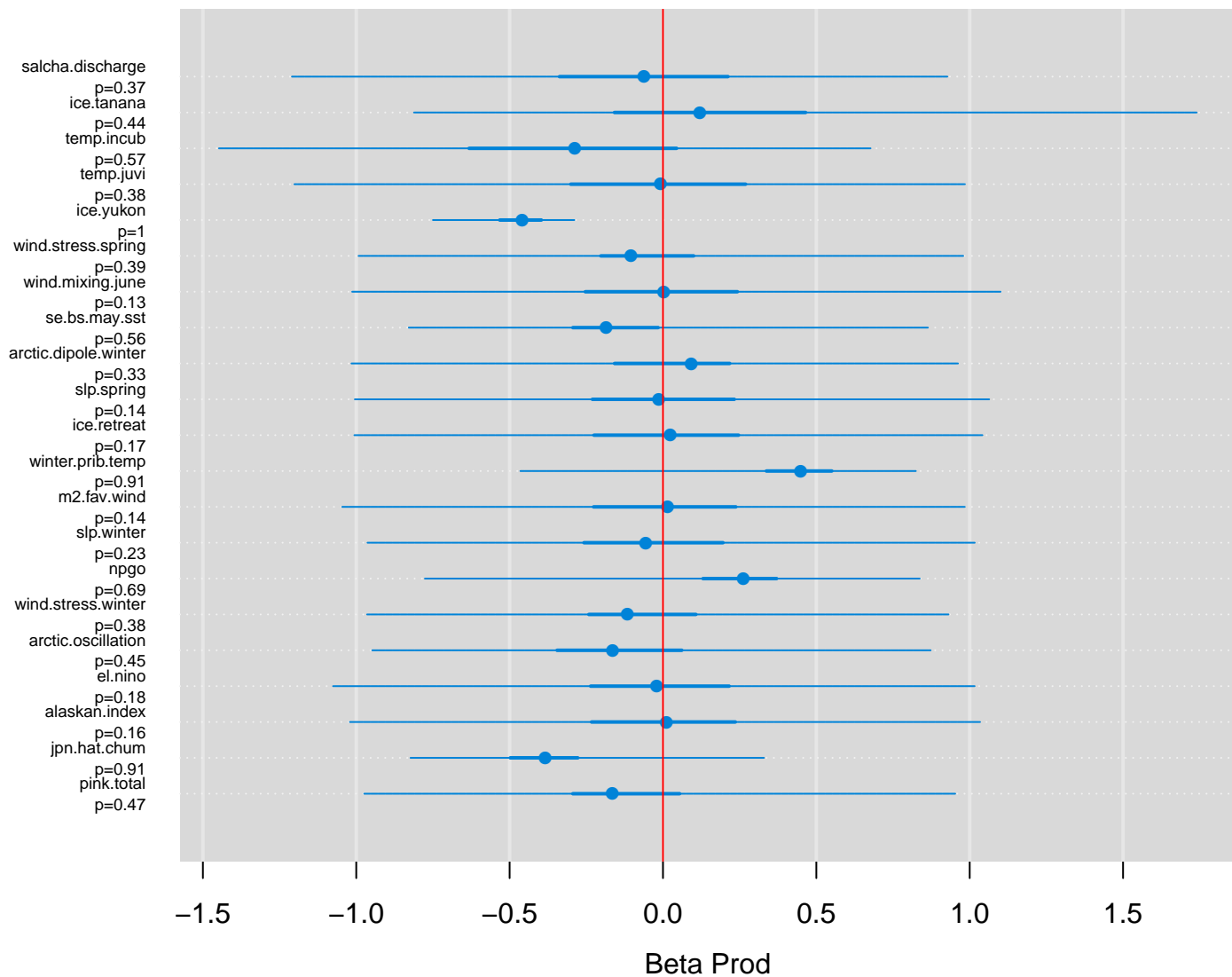


Year

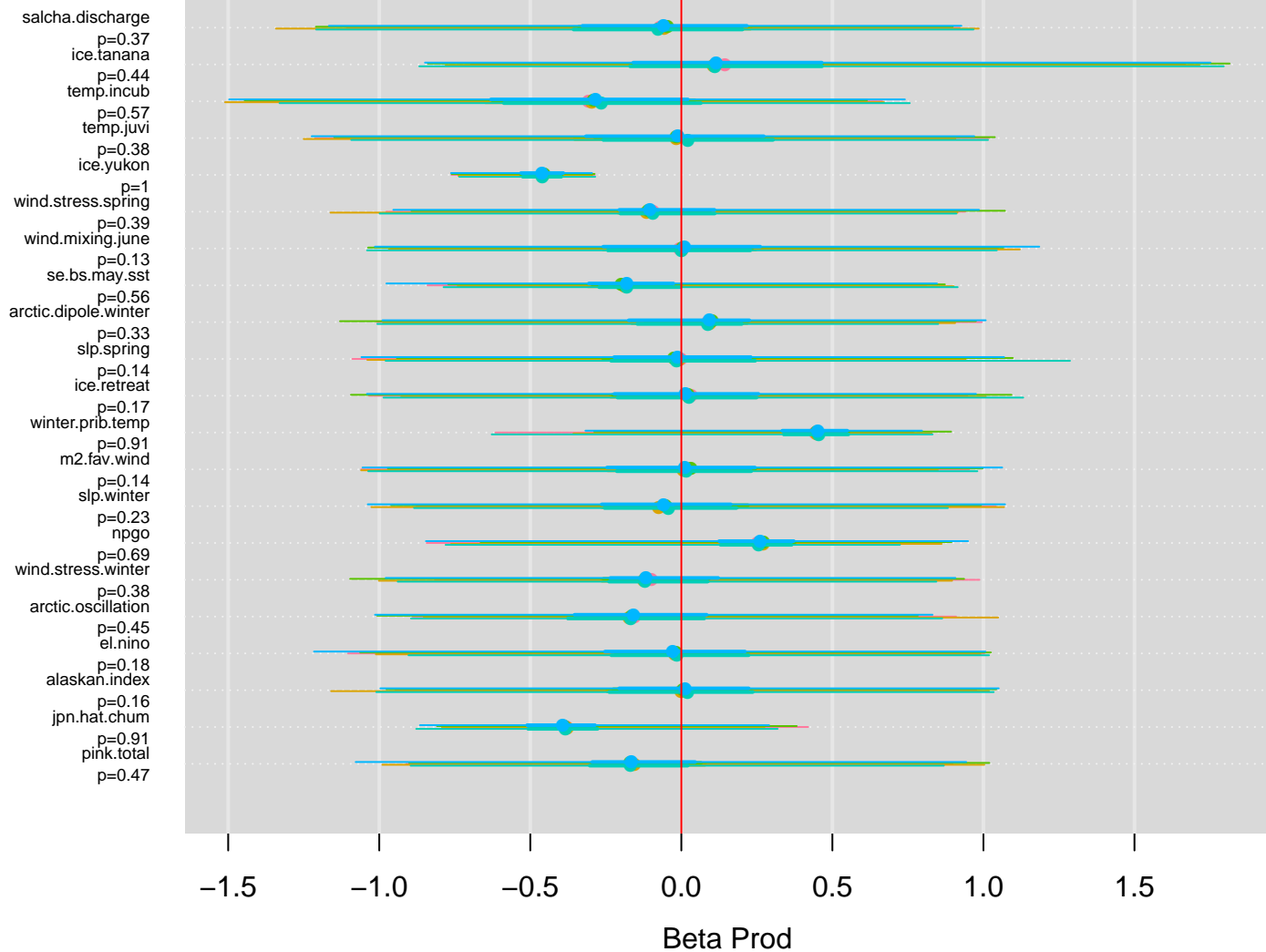
# salcha





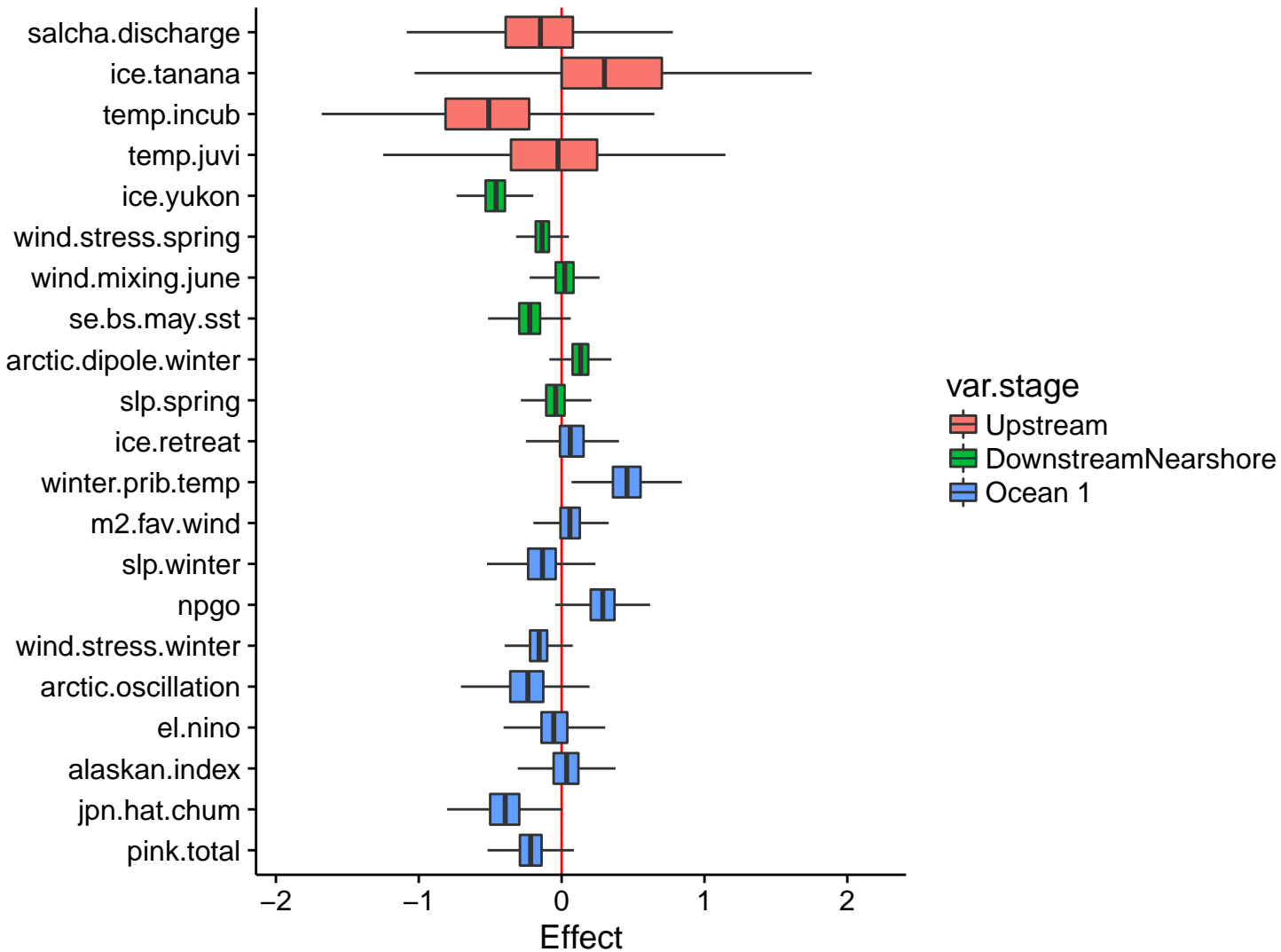






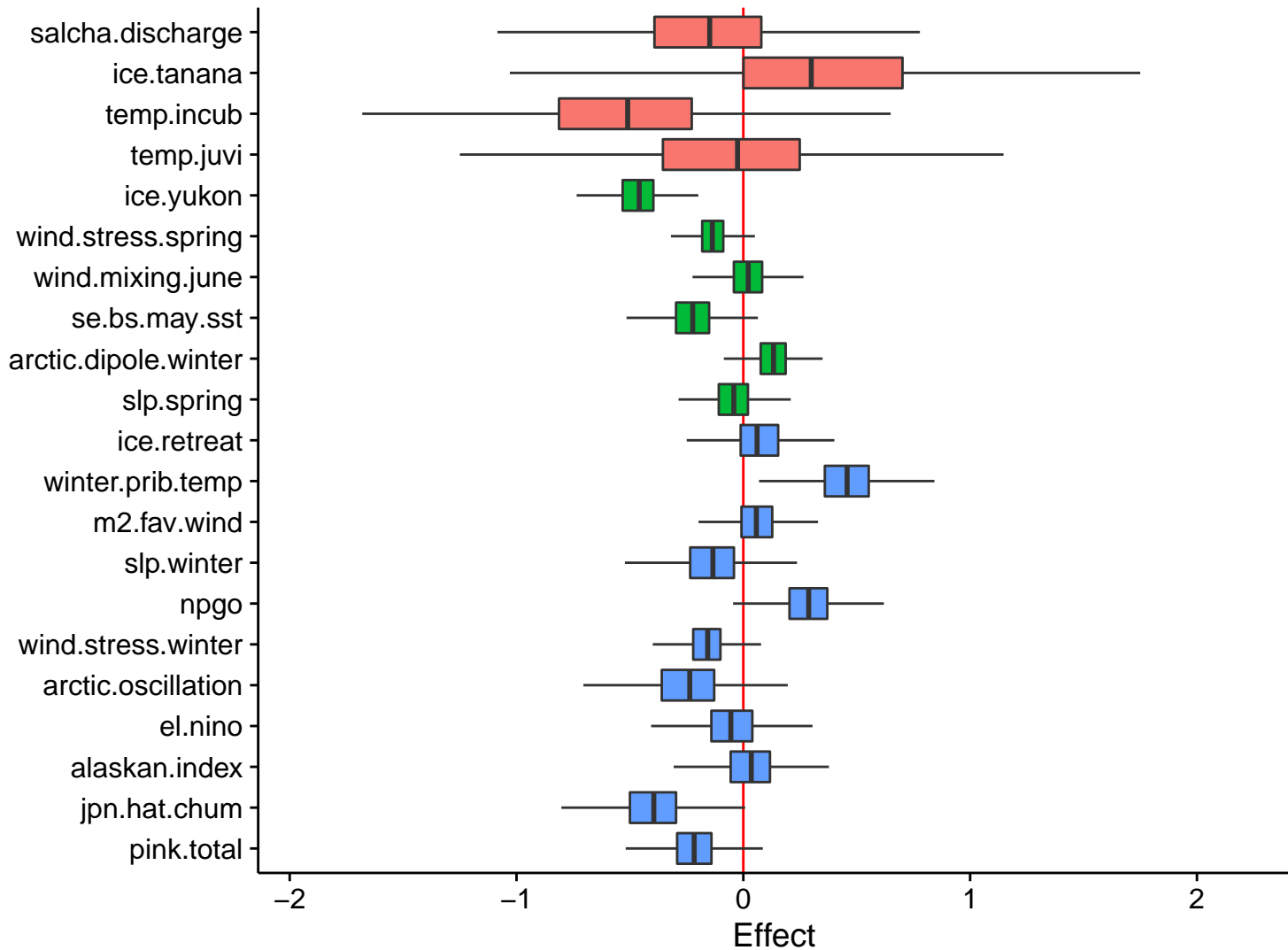
# Salcha

Covariate



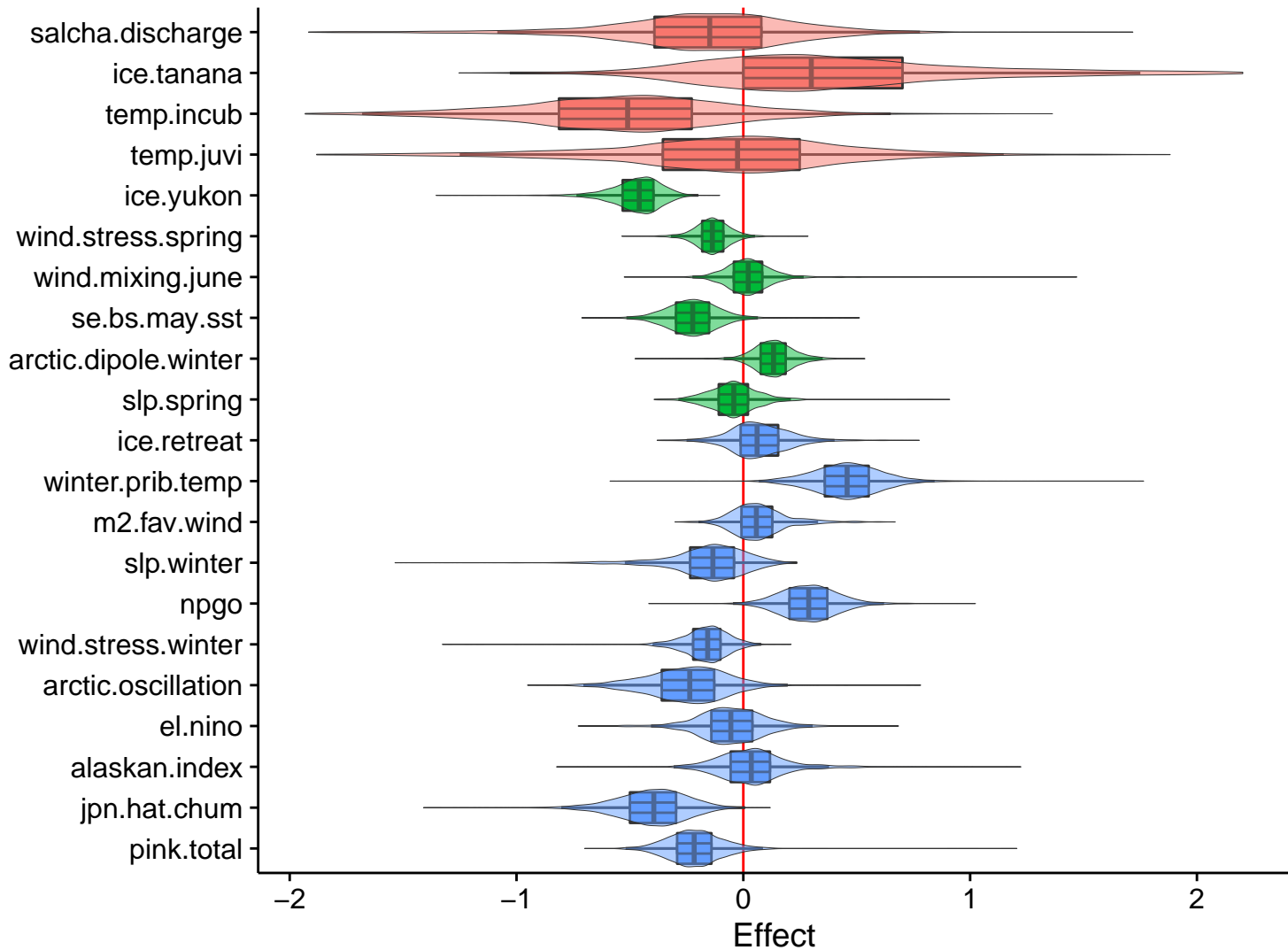
# Salcha

Covariate



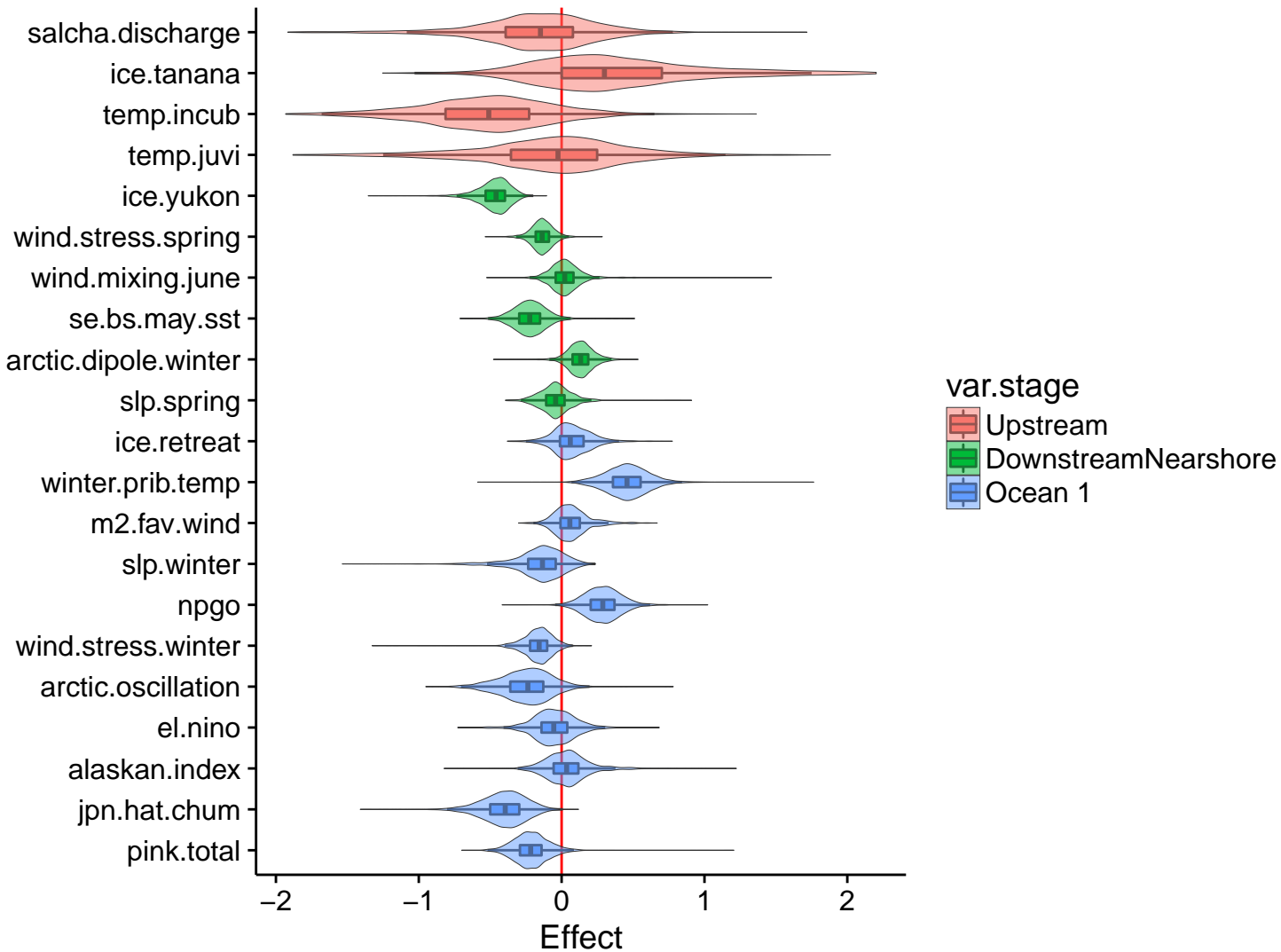
# Salcha

Covariate



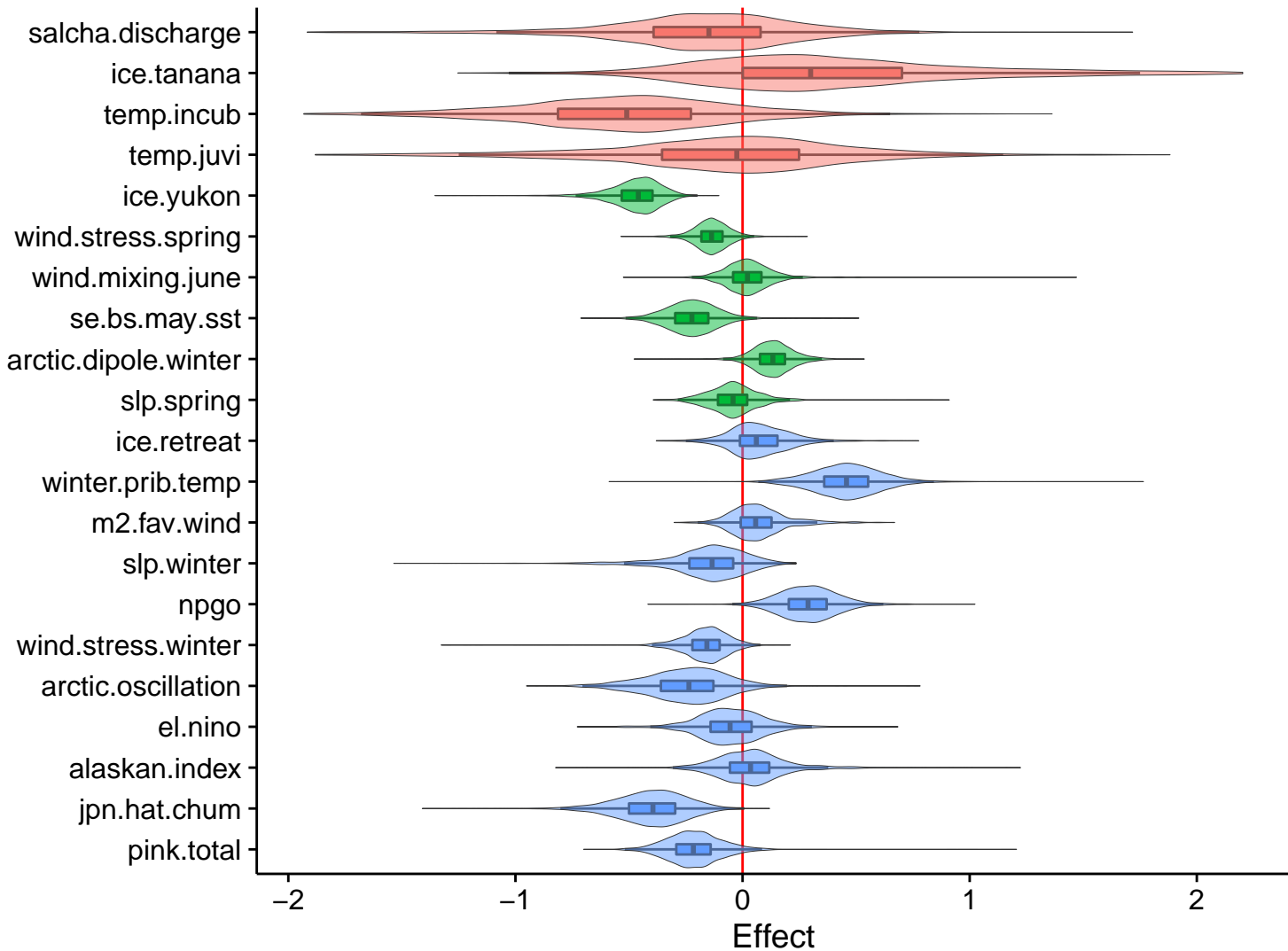
# Salcha

Covariate



# Salcha

Covariate



# Salcha

## Upstream

salcha:discharge  
temp:annual  
temp:monthly  
wind:stress:30kph  
wind:mx:mod:10ha  
arctic:dipole:winter  
ice:ref:eat  
winter:prb:temp  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:china  
pink:total



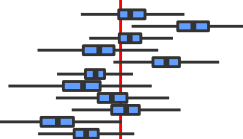
## DownstreamNearshore

salcha:discharge  
temp:annual  
temp:monthly  
wind:stress:30kph  
wind:mx:mod:10ha  
arctic:dipole:winter  
ice:ref:eat  
winter:prb:temp  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:china  
pink:total



## Ocean 1

salcha:discharge  
temp:annual  
temp:monthly  
wind:stress:30kph  
wind:mx:mod:10ha  
arctic:dipole:winter  
ice:ref:eat  
winter:prb:temp  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:china  
pink:total



Covariate

-2

Effect

0

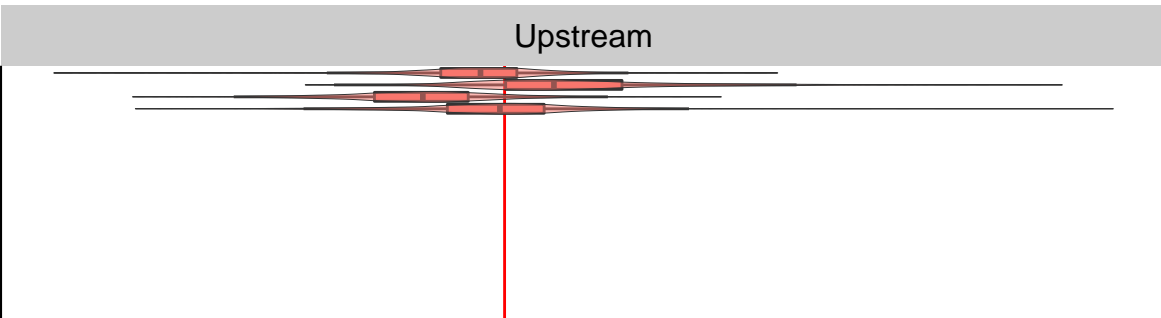
2

4

# Salcha

## Upstream

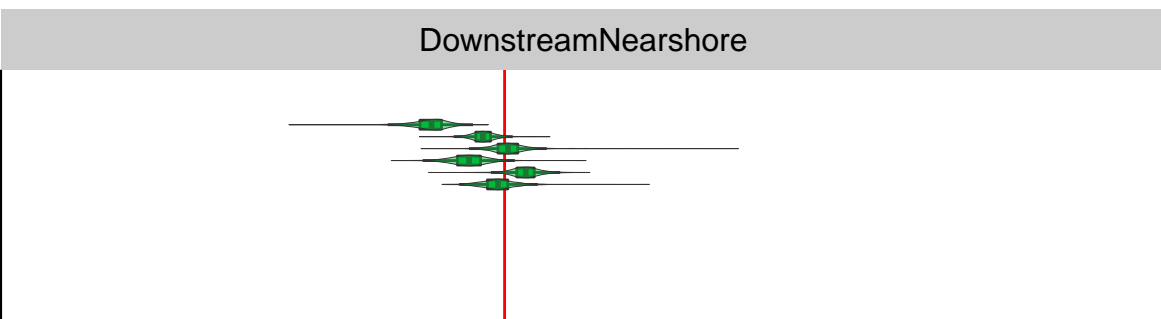
salcha:discharge  
temp:annual  
temp:hyb  
wind:stress:30kph  
wind:mx:mod:10kph  
arctic:dipole:5yr:1  
ice:ref:1  
winter:prb:1yr:1  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:chun  
pink:total



## DownstreamNearshore

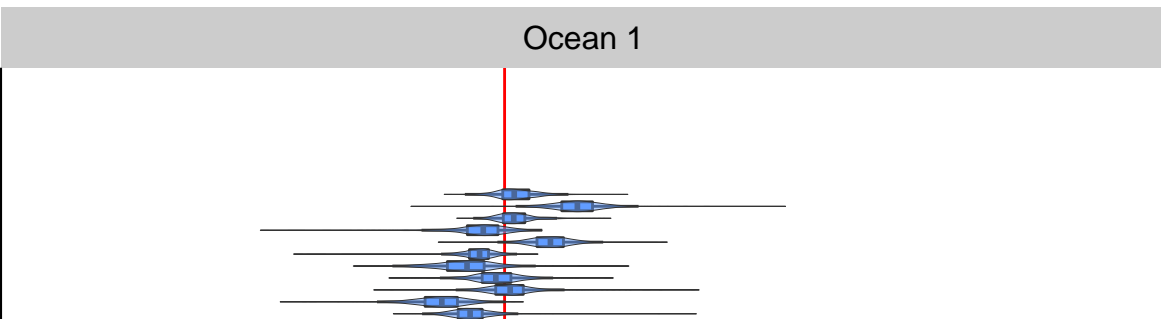
Covariate

salcha:discharge  
temp:annual  
temp:hyb  
wind:stress:30kph  
wind:mx:mod:10kph  
arctic:dipole:5yr:1  
ice:ref:1  
winter:prb:1yr:1  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:chun  
pink:total



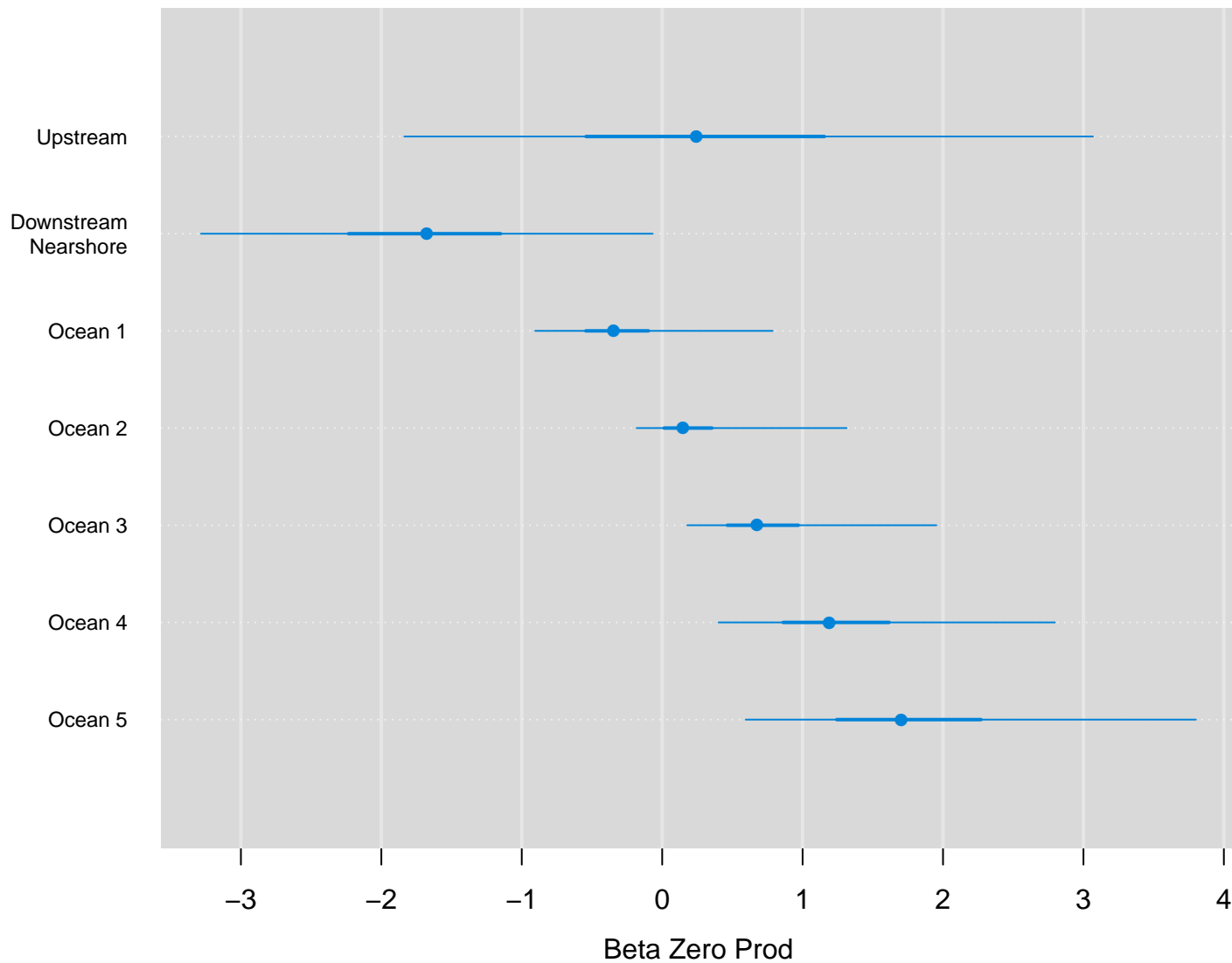
## Ocean 1

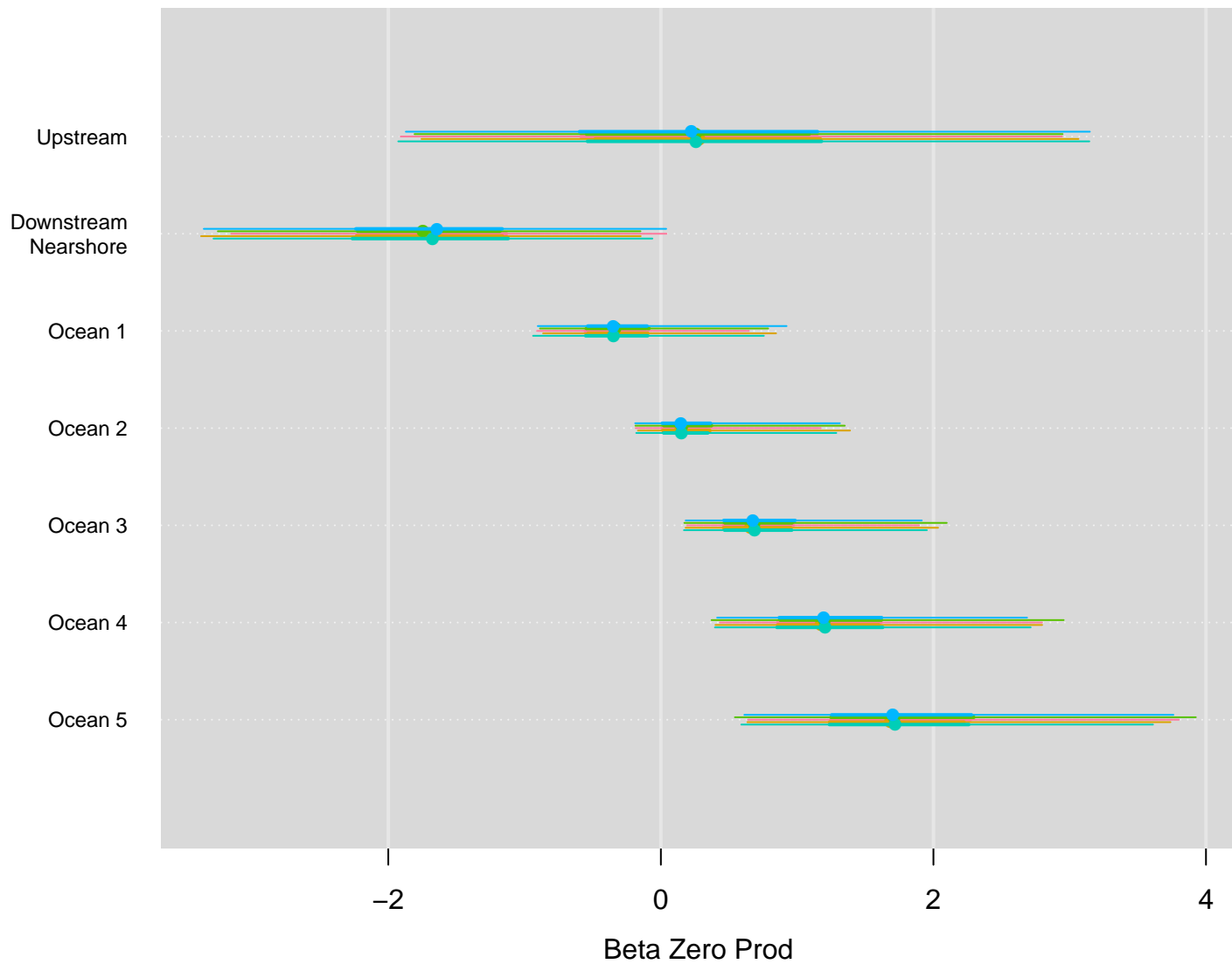
salcha:discharge  
temp:annual  
temp:hyb  
wind:stress:30kph  
wind:mx:mod:10kph  
arctic:dipole:5yr:1  
ice:ref:1  
winter:prb:1yr:1  
m2:slv:wind  
slp:wind  
wind:stress:winter  
arctic:osc:lat10  
alaskan:index  
jpn:bar:chun  
pink:total



Effect

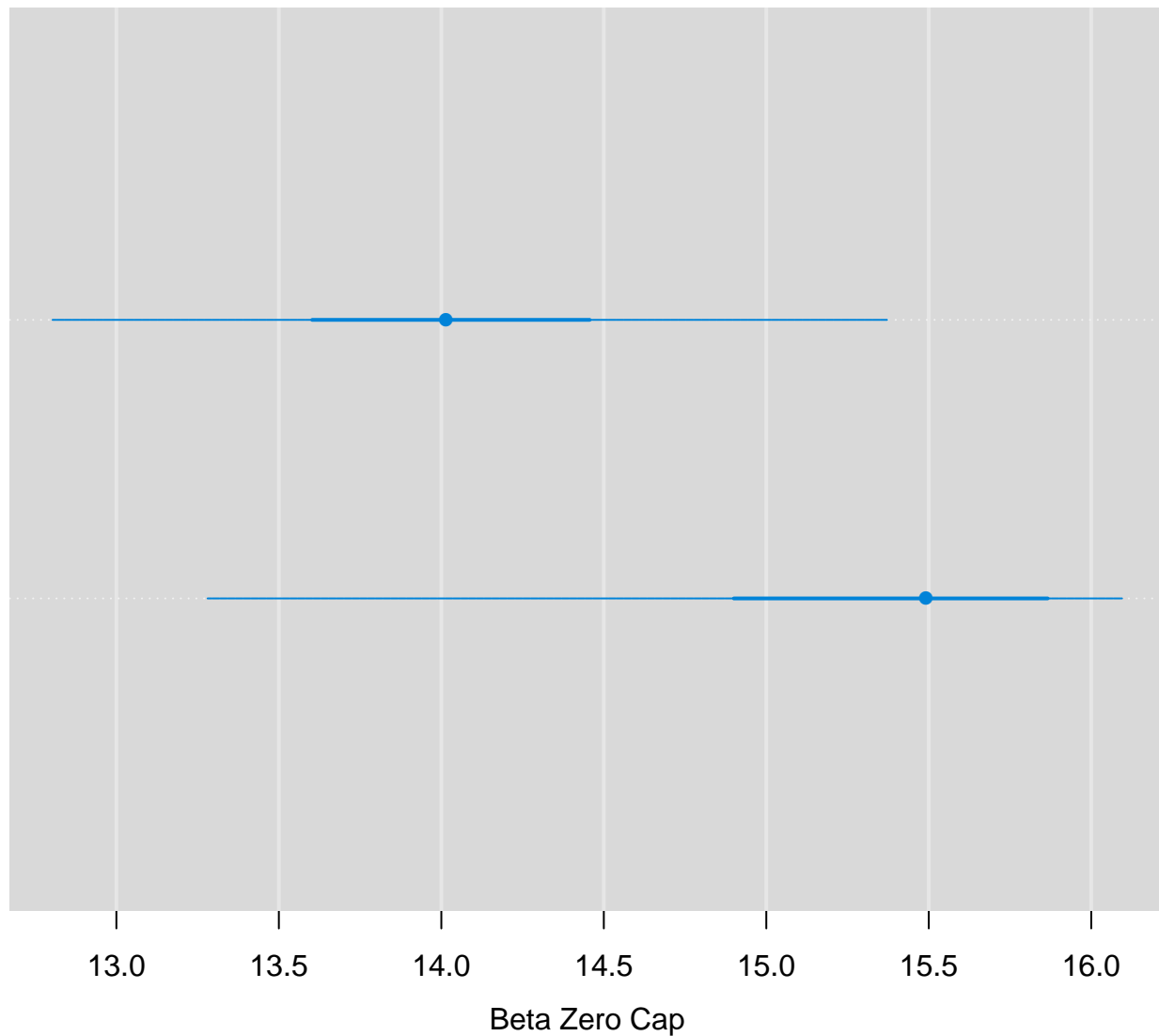






eta.zero.cap[1]

eta.zero.cap[2]



eta.zero.cap[1]

eta.zero.cap[2]

0e+00

2e+06

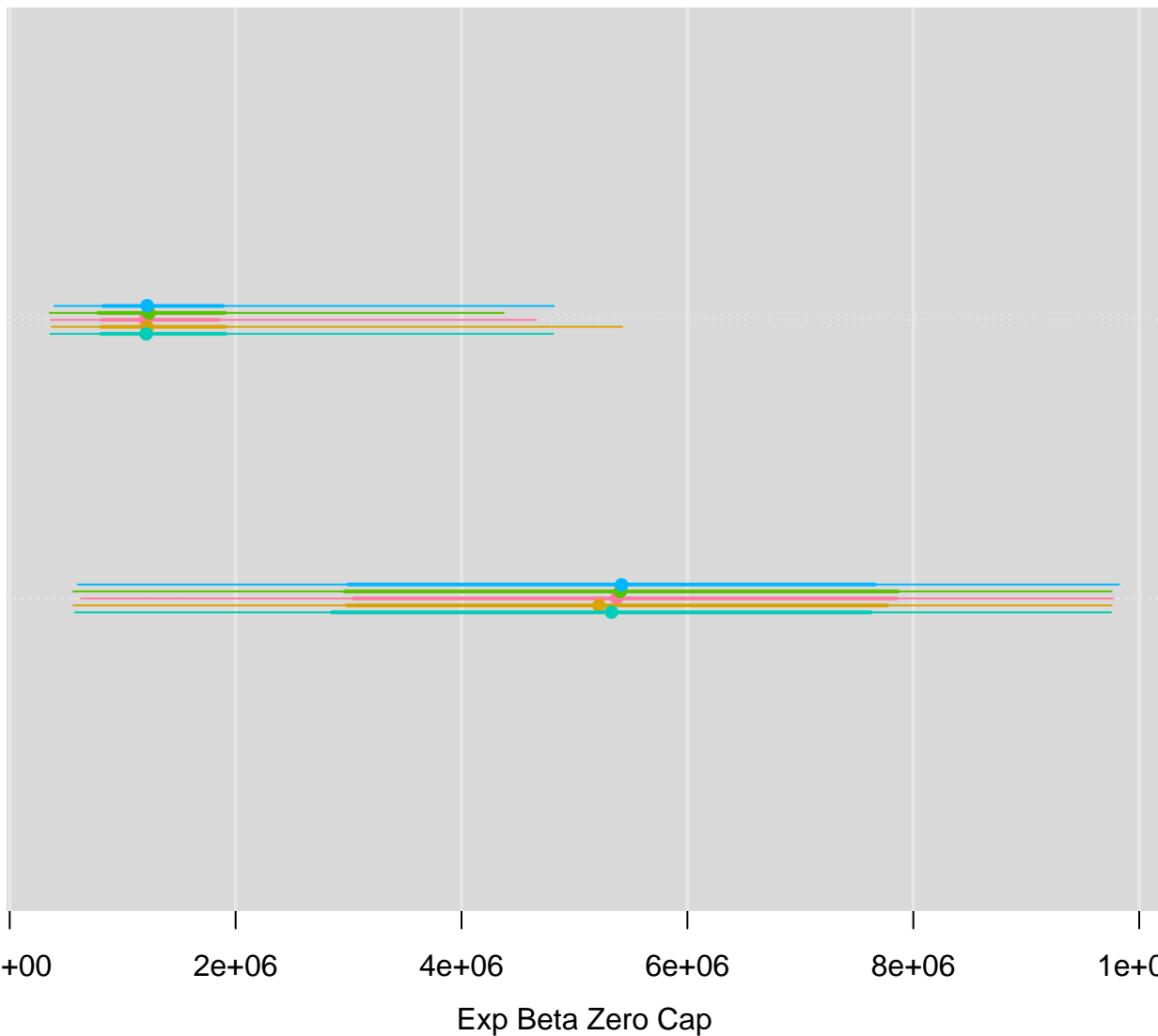
4e+06

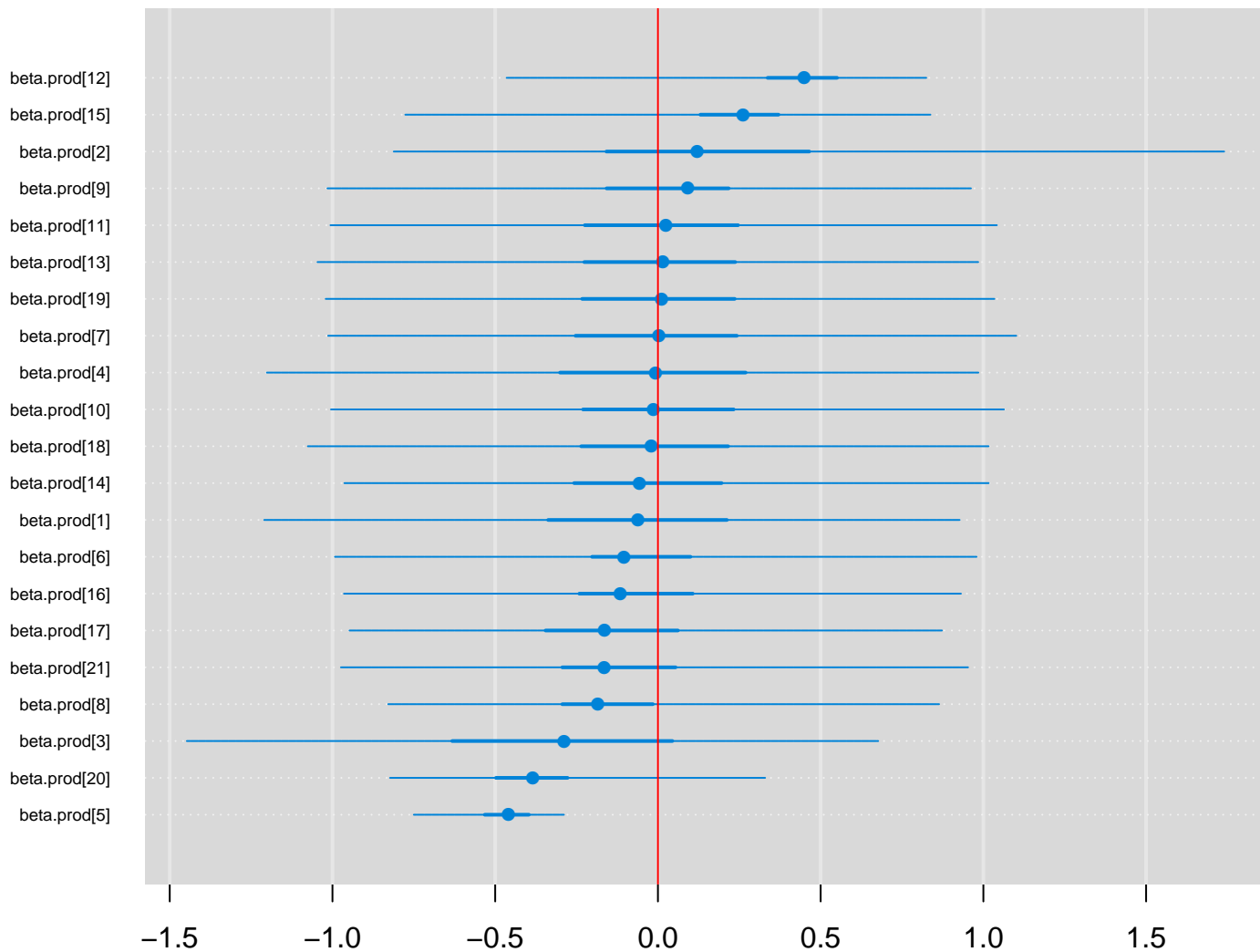
6e+06

8e+06

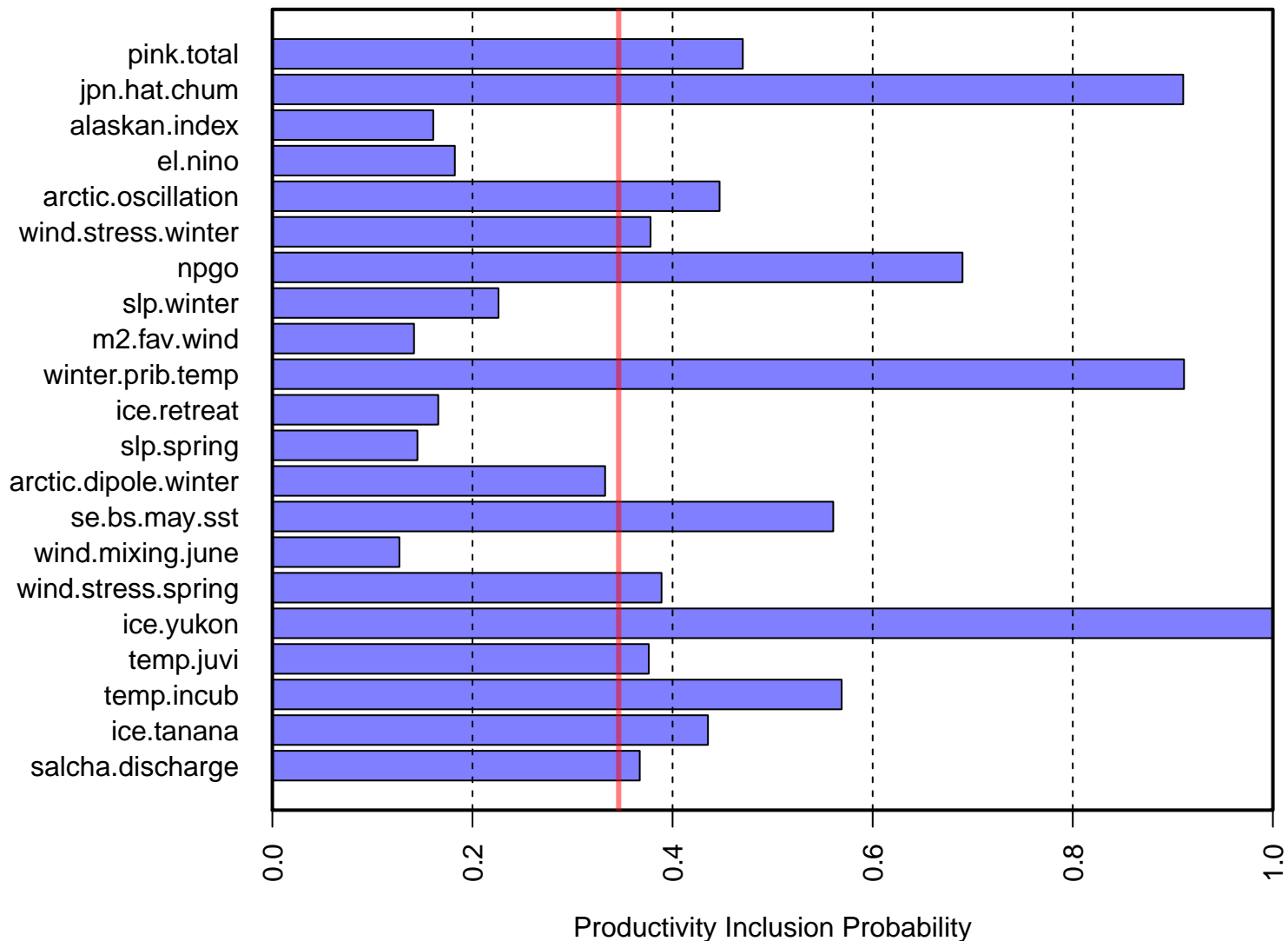
1e+07

Exp Beta Zero Cap



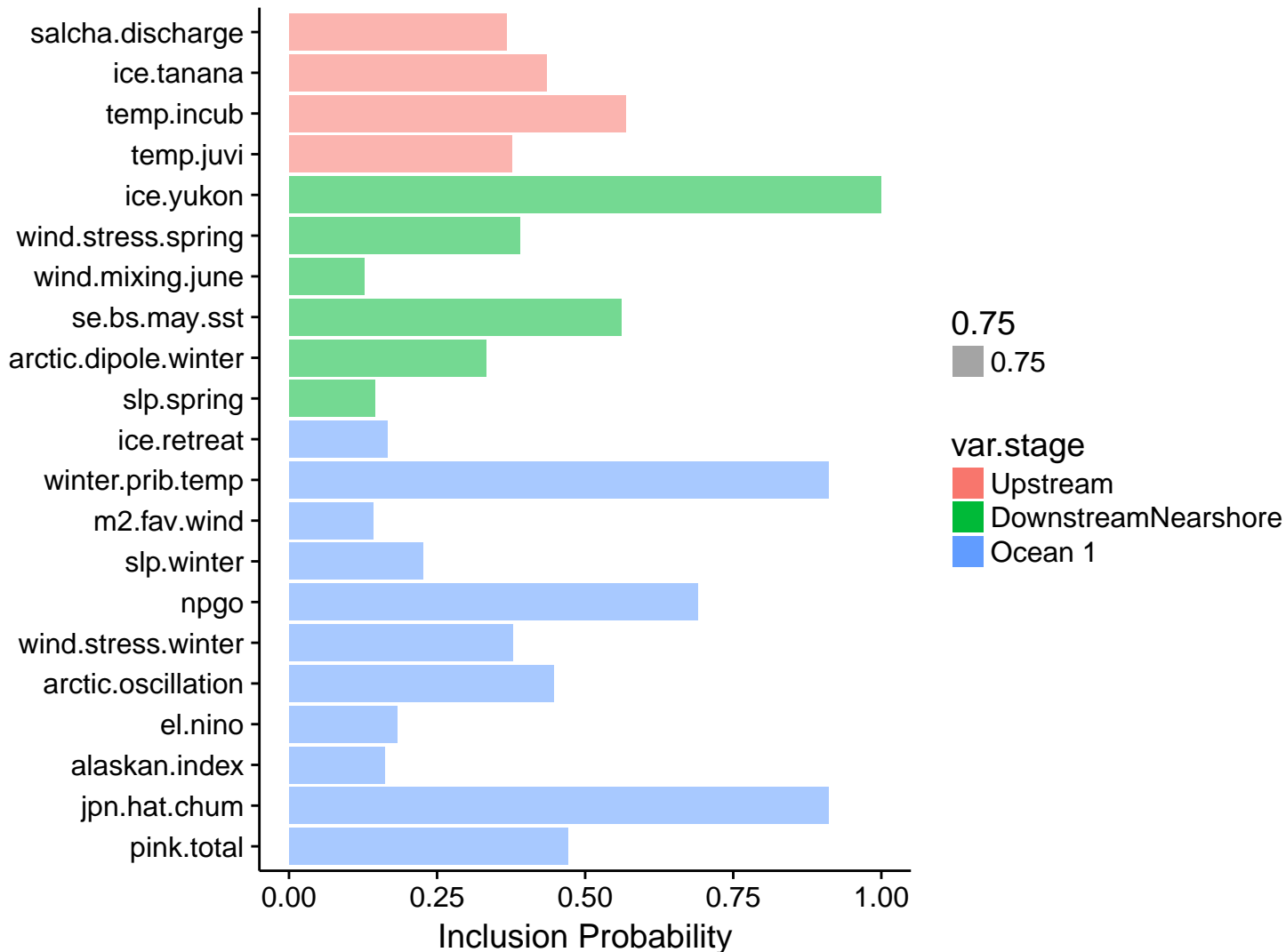


## salcha



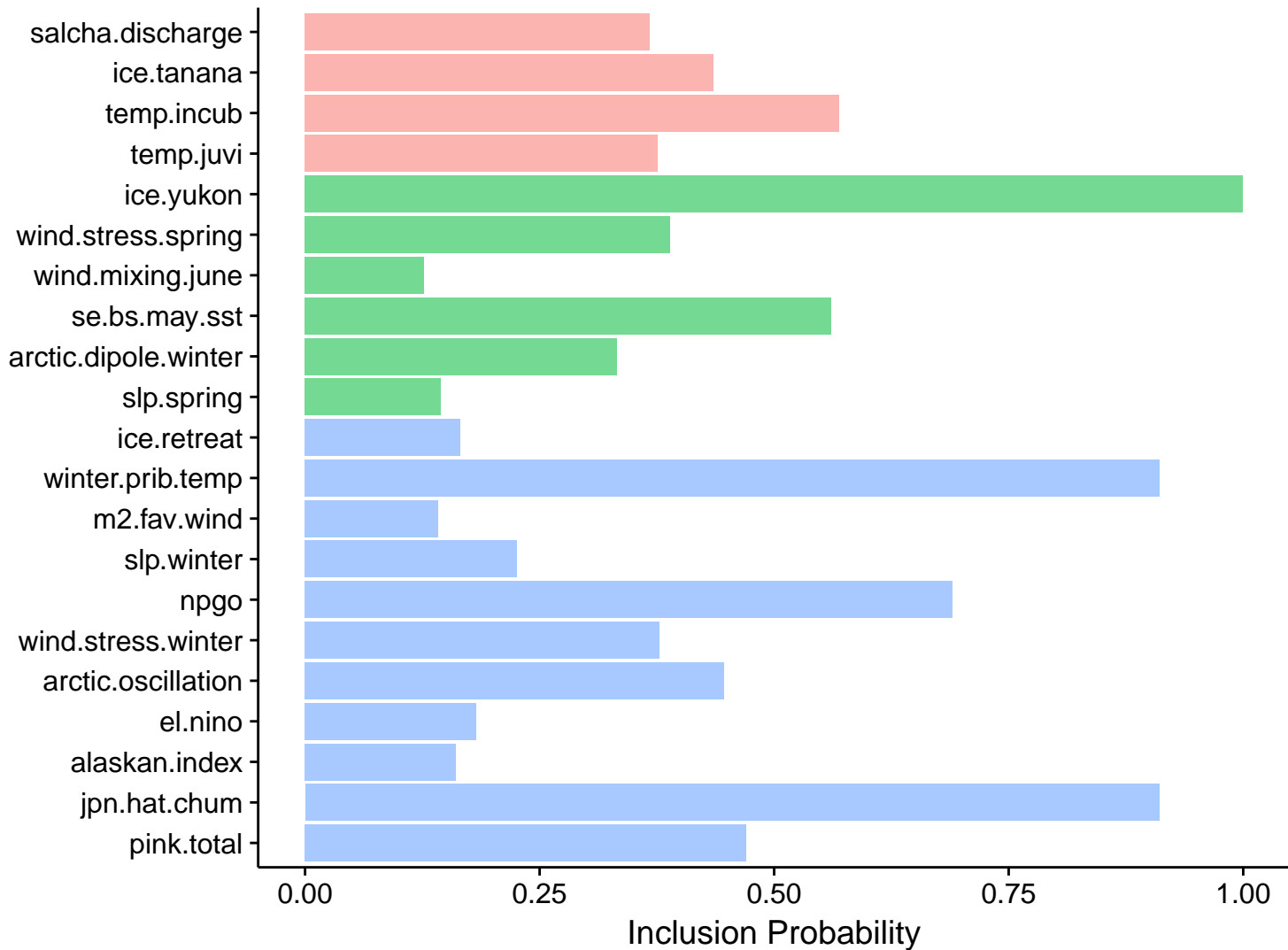
# Salcha

Covariate



## Salcha

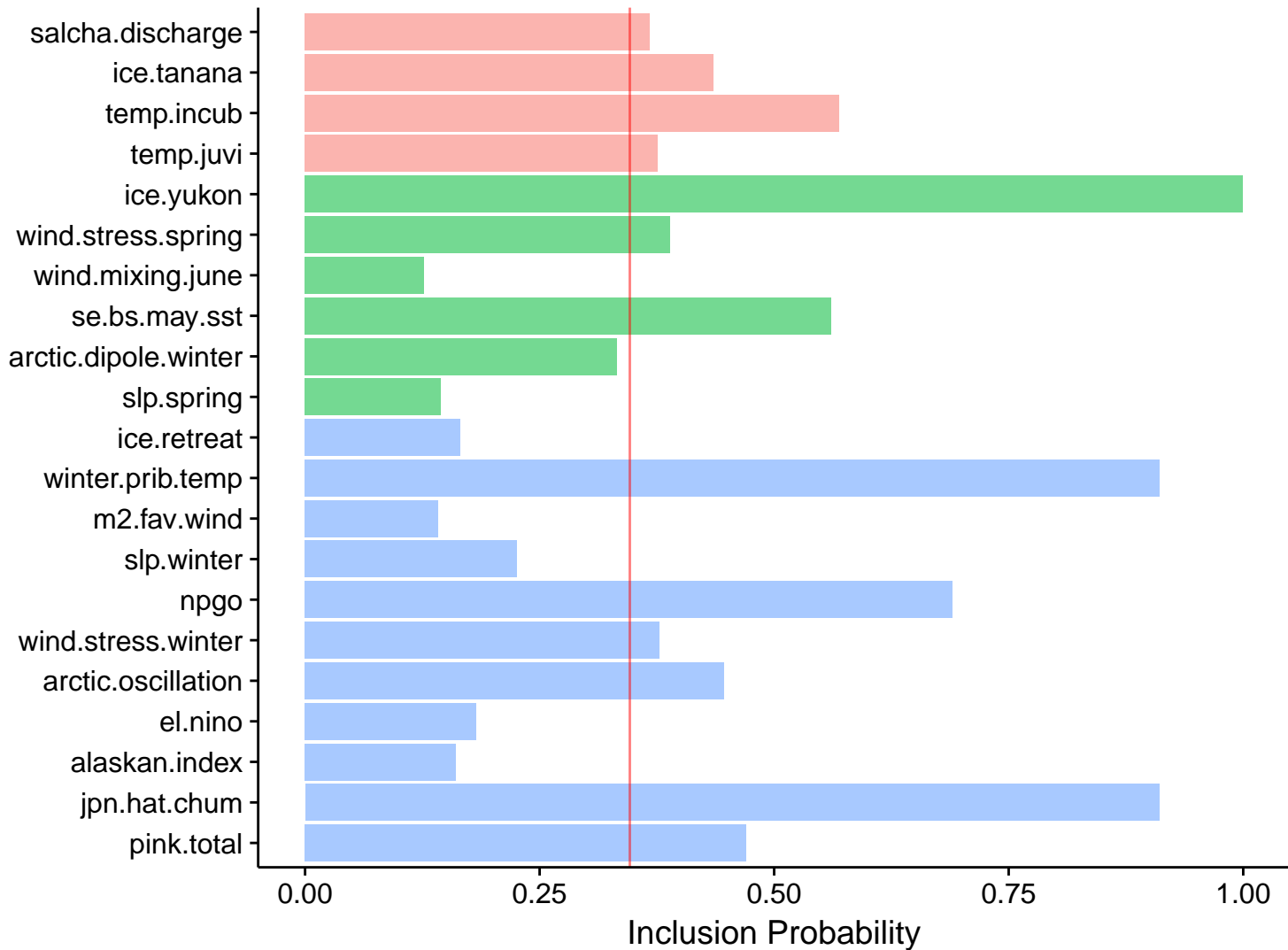
Covariate

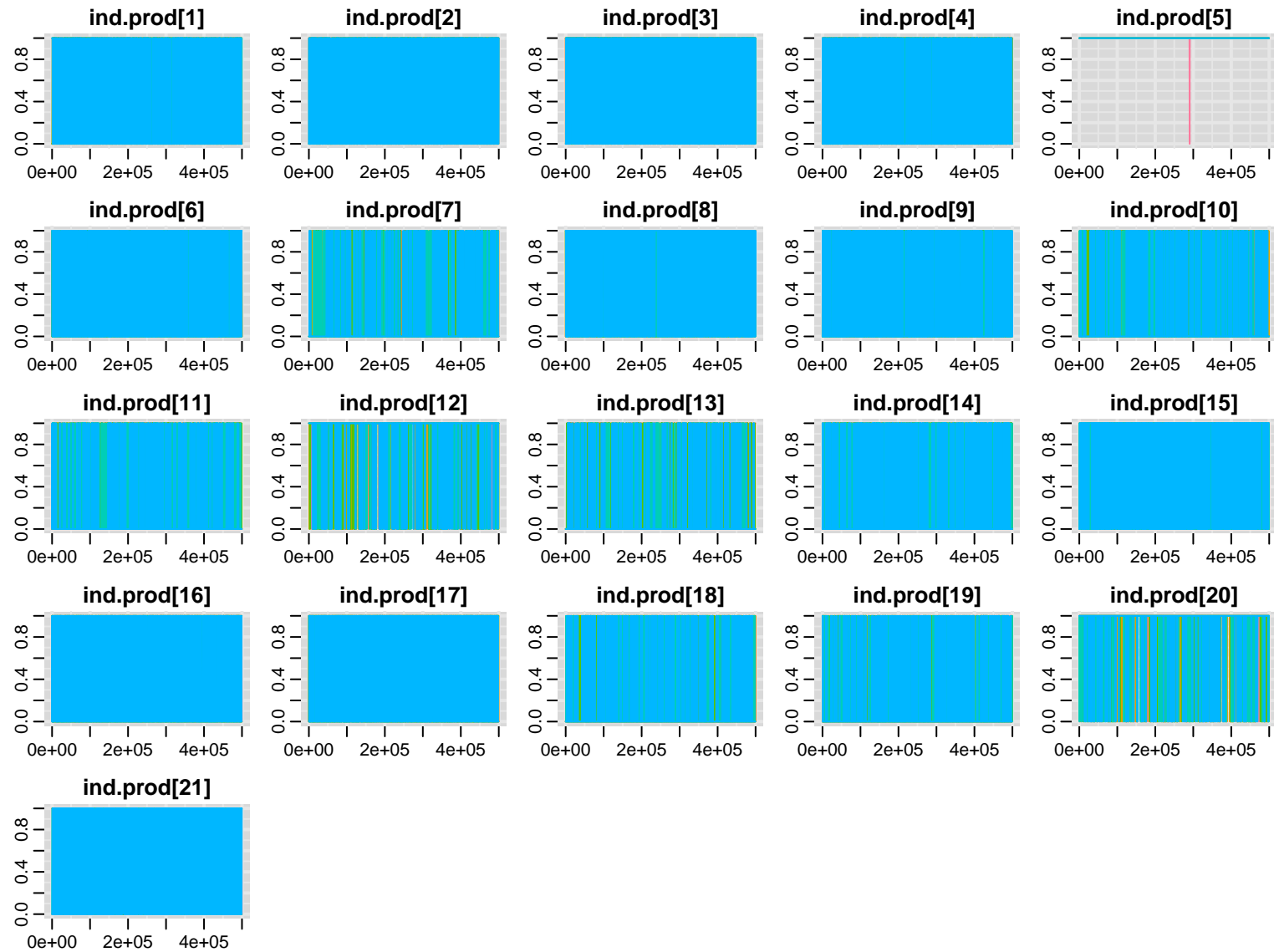


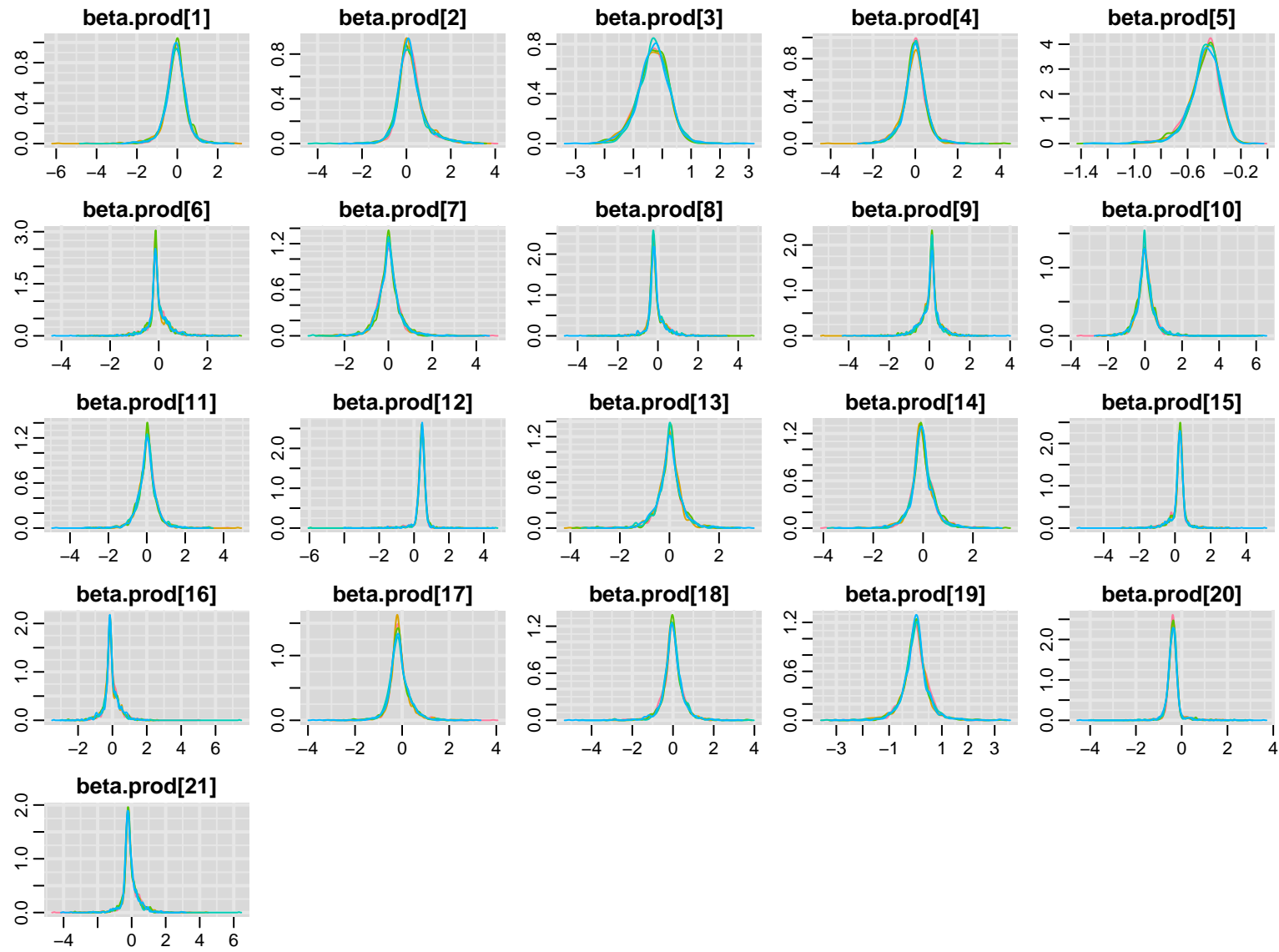


## Salcha

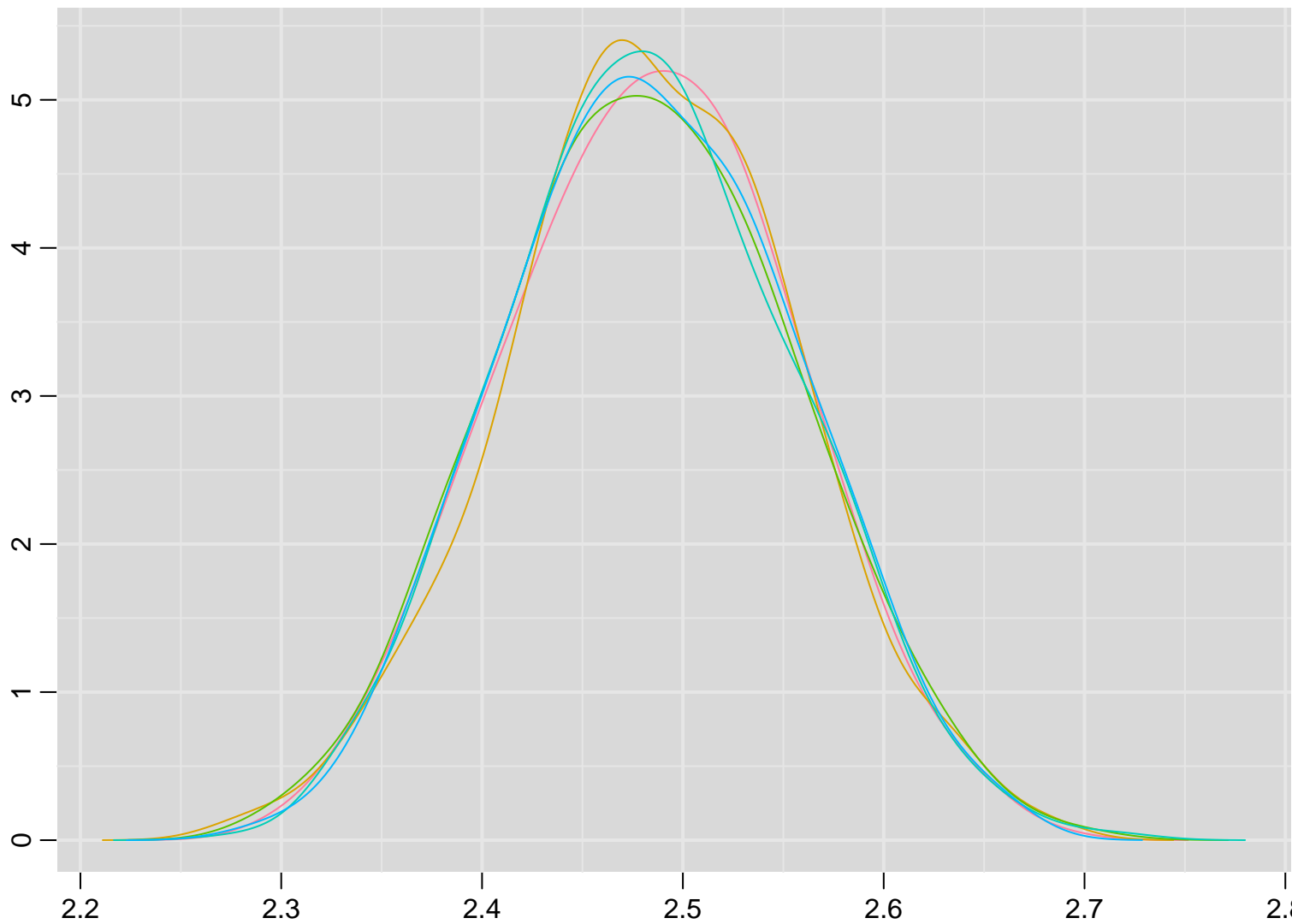
Covariate

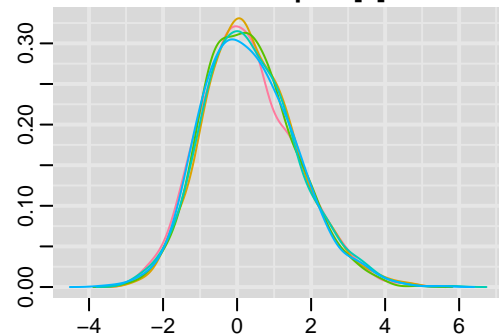
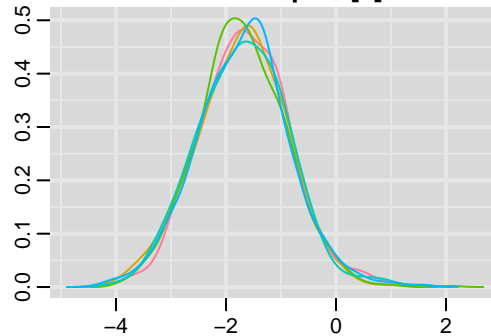
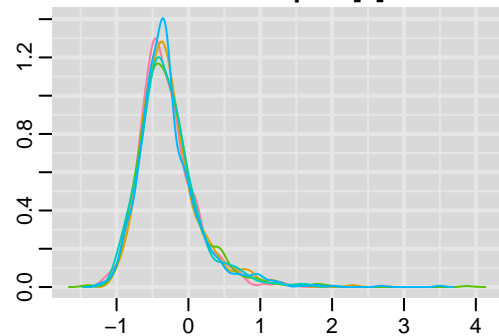
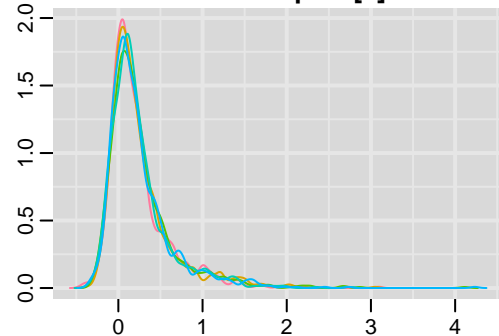
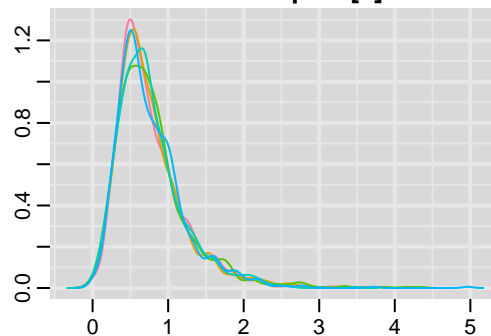
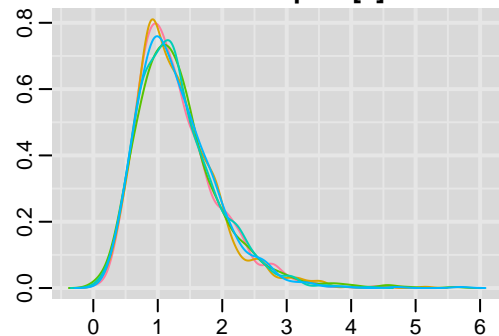
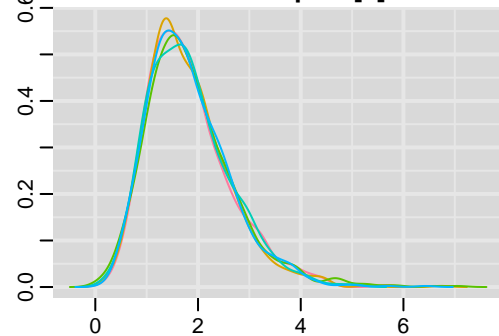




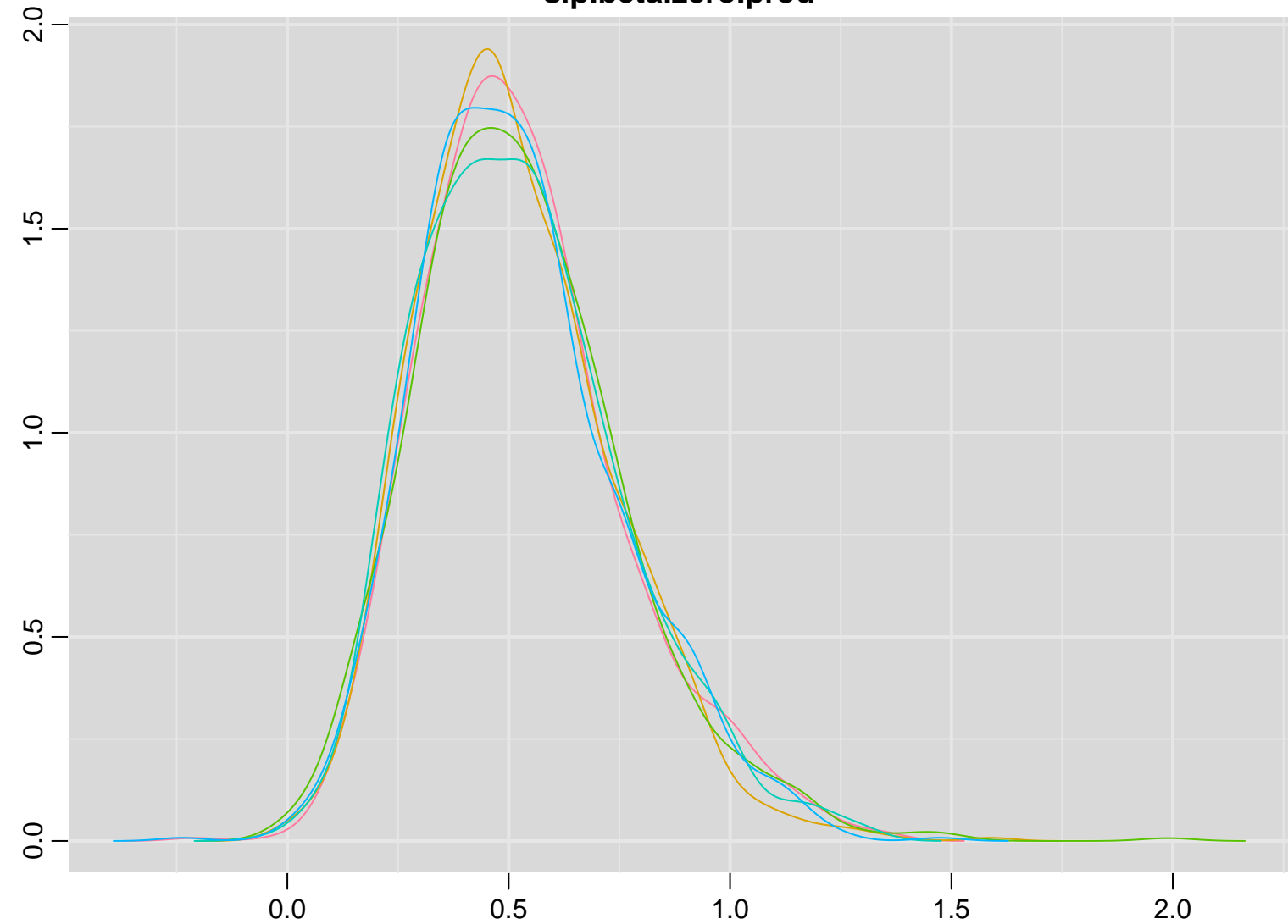


mat.param

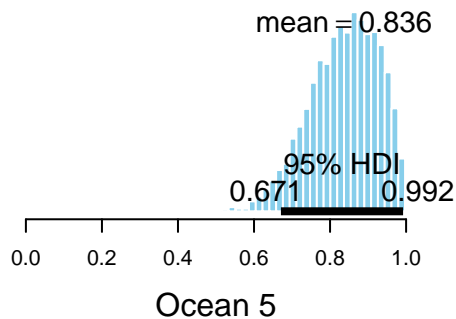
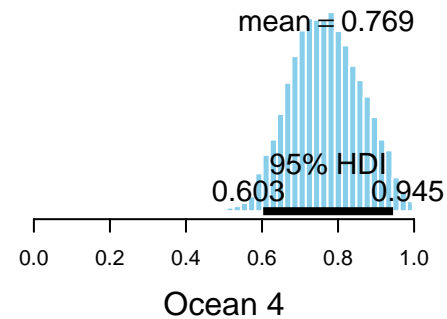
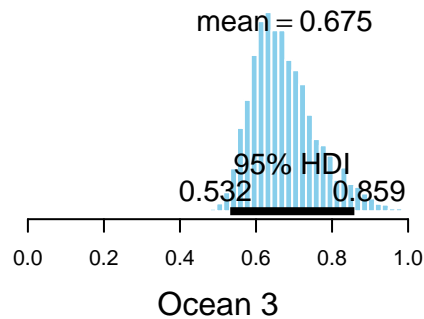
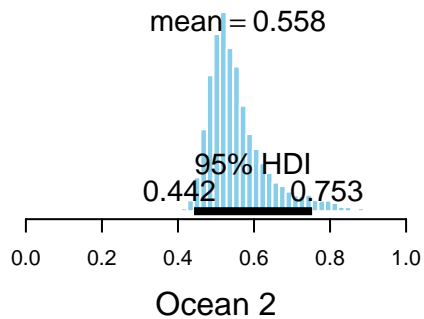
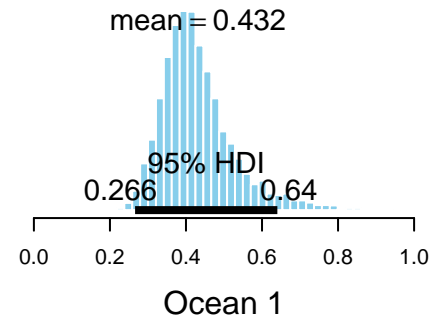
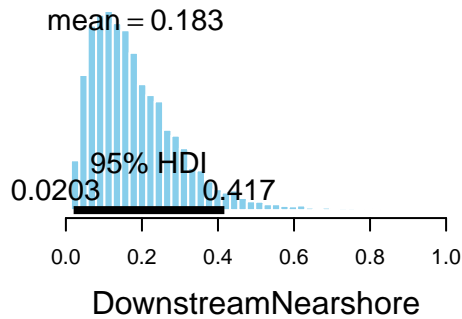
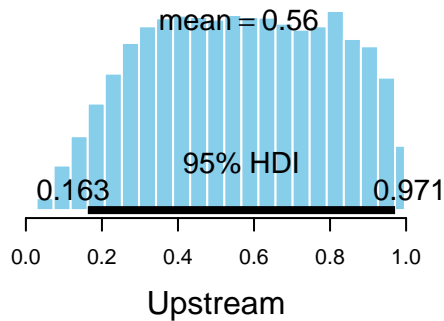


**beta.zero.prod[1]****beta.zero.prod[2]****beta.zero.prod[3]****beta.zero.prod[4]****beta.zero.prod[5]****beta.zero.prod[6]****beta.zero.prod[7]**

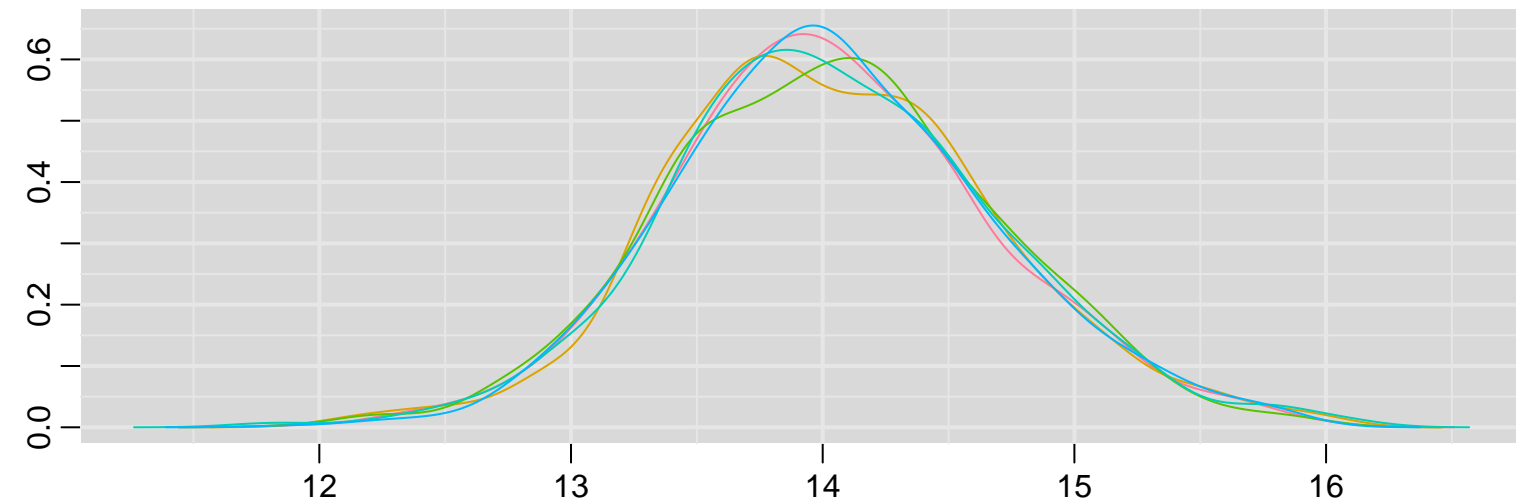
slp.beta.zero.prod



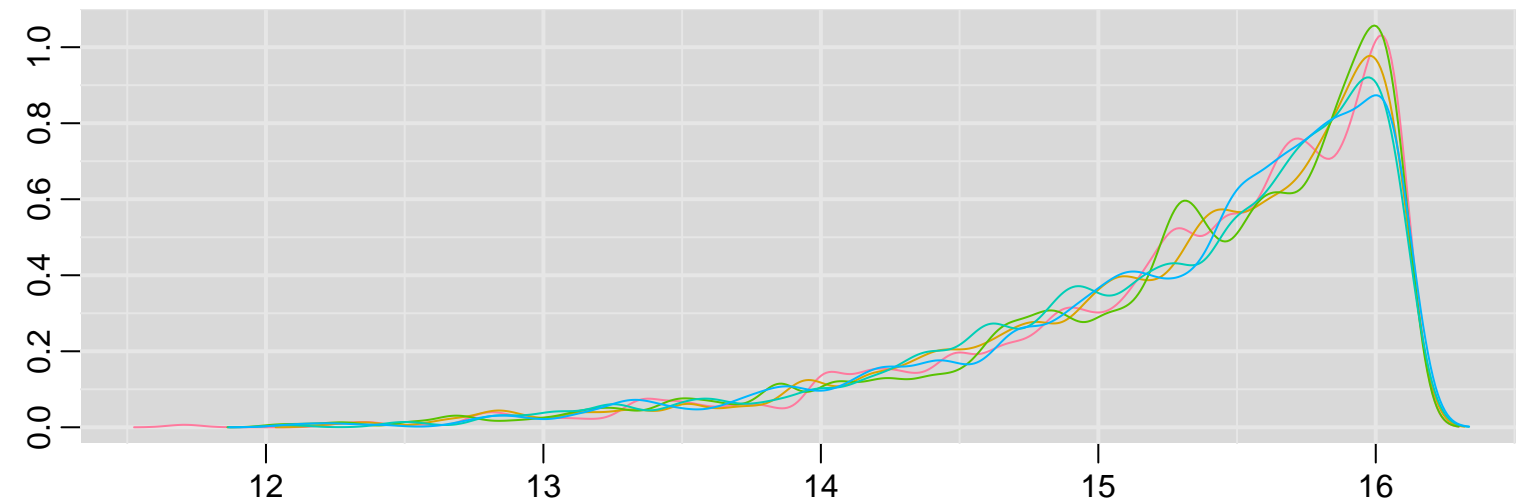
# BASELINE SURVIVAL: inv.logit(Beta Zero Prod)



**beta.zero.cap[1]**

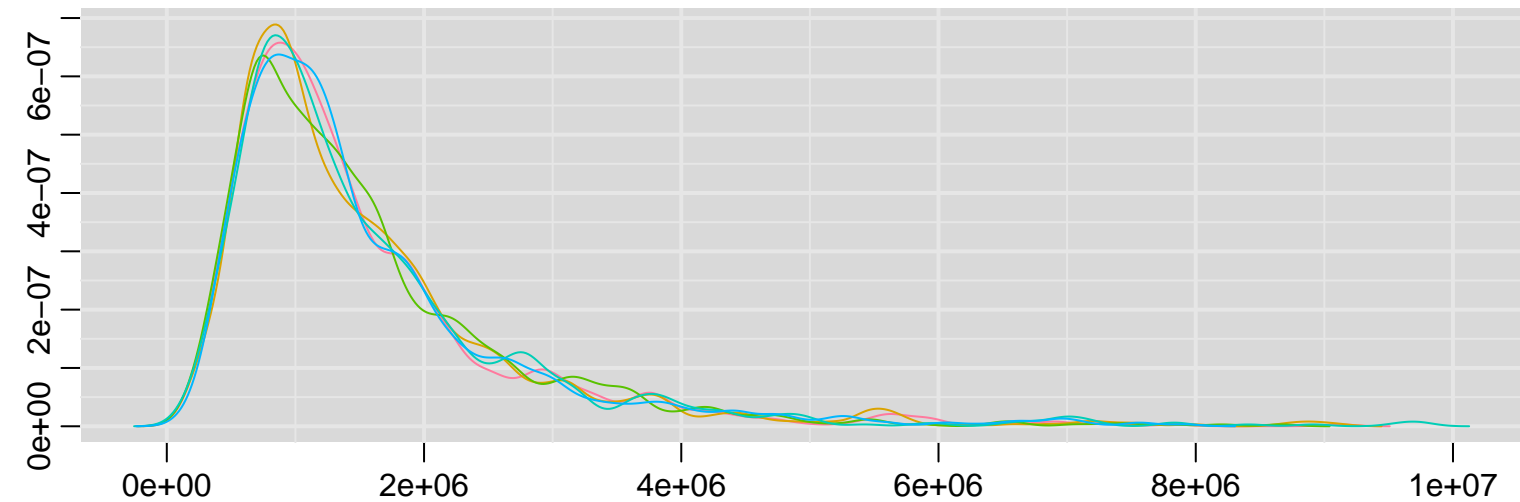


**beta.zero.cap[2]**

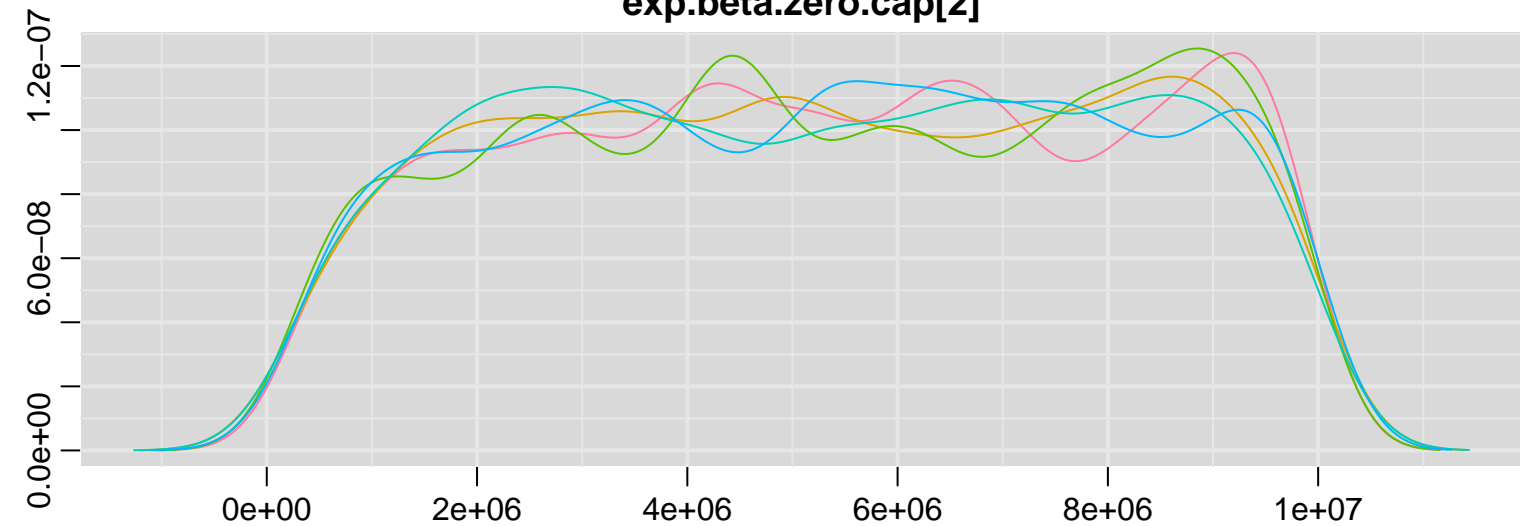




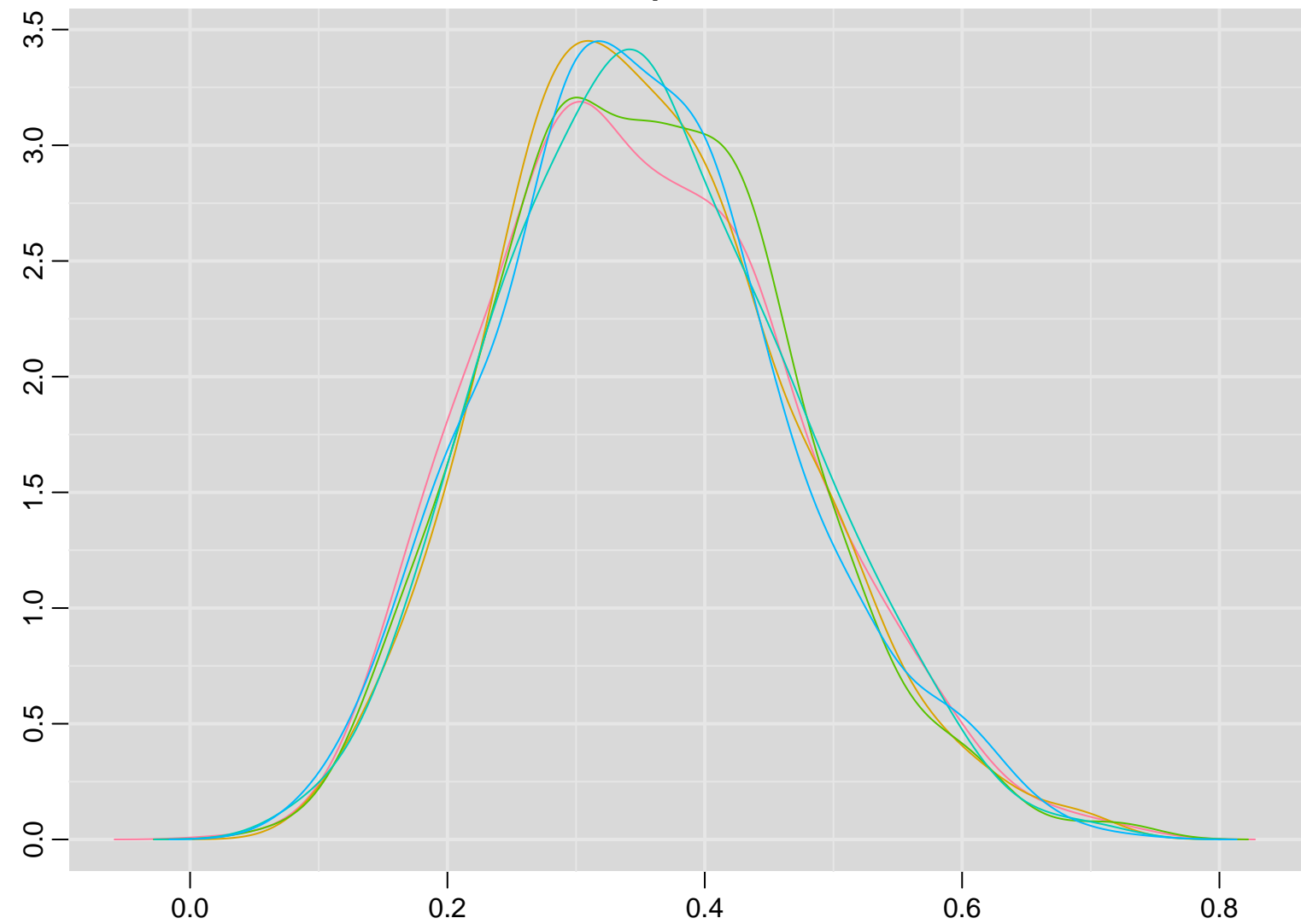
**exp.beta.zero.cap[1]**



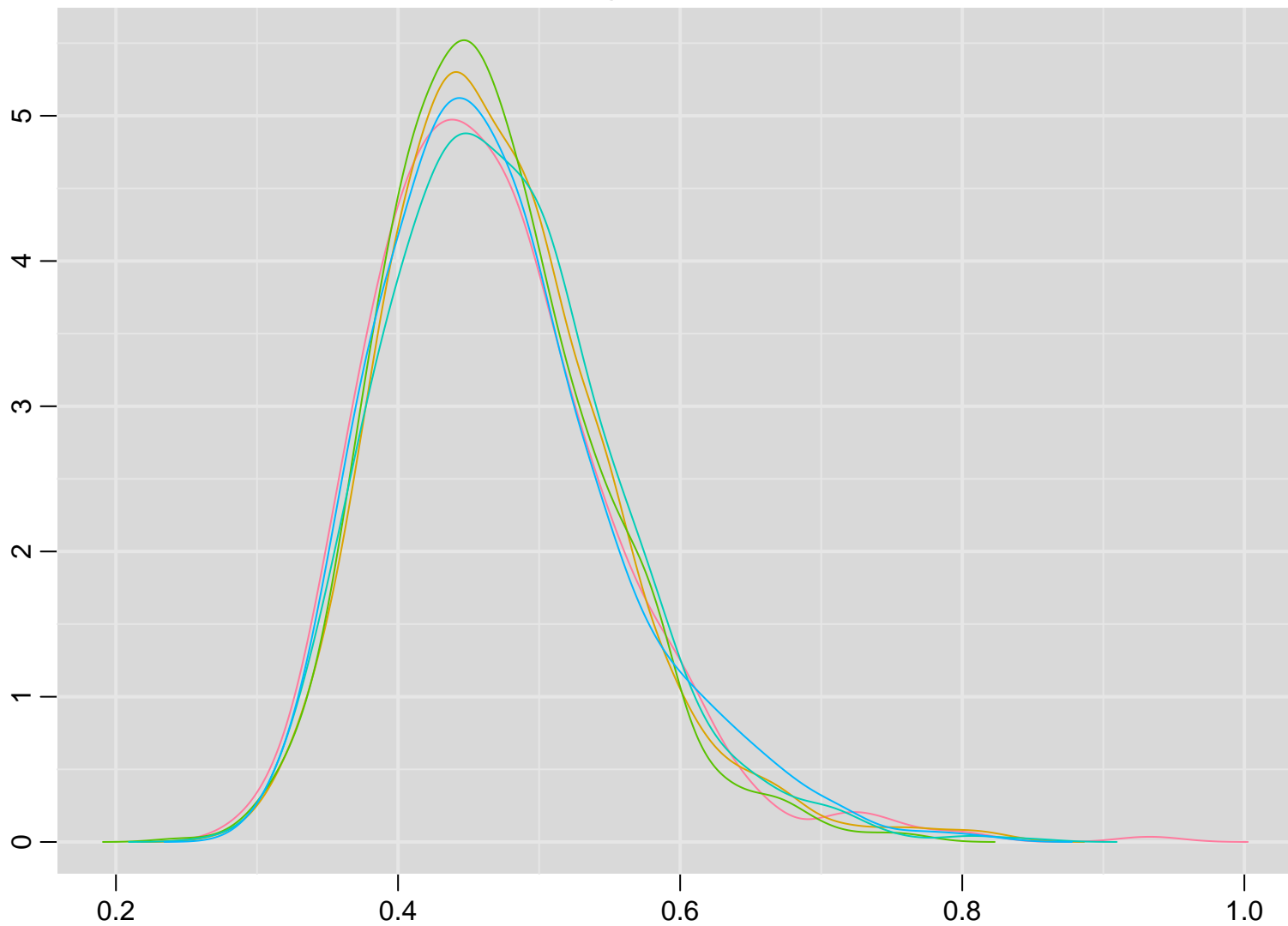
**exp.beta.zero.cap[2]**



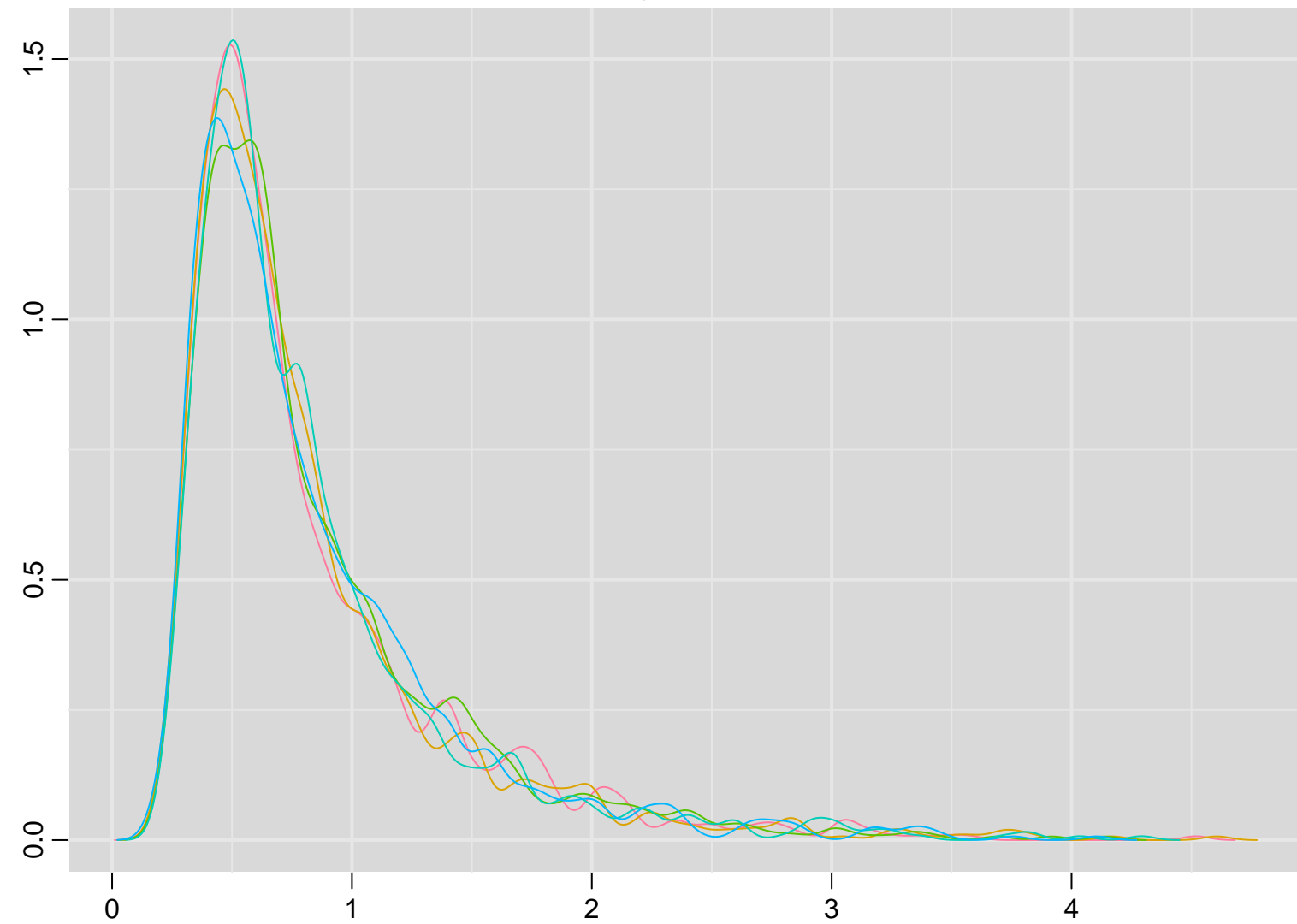
**pind**



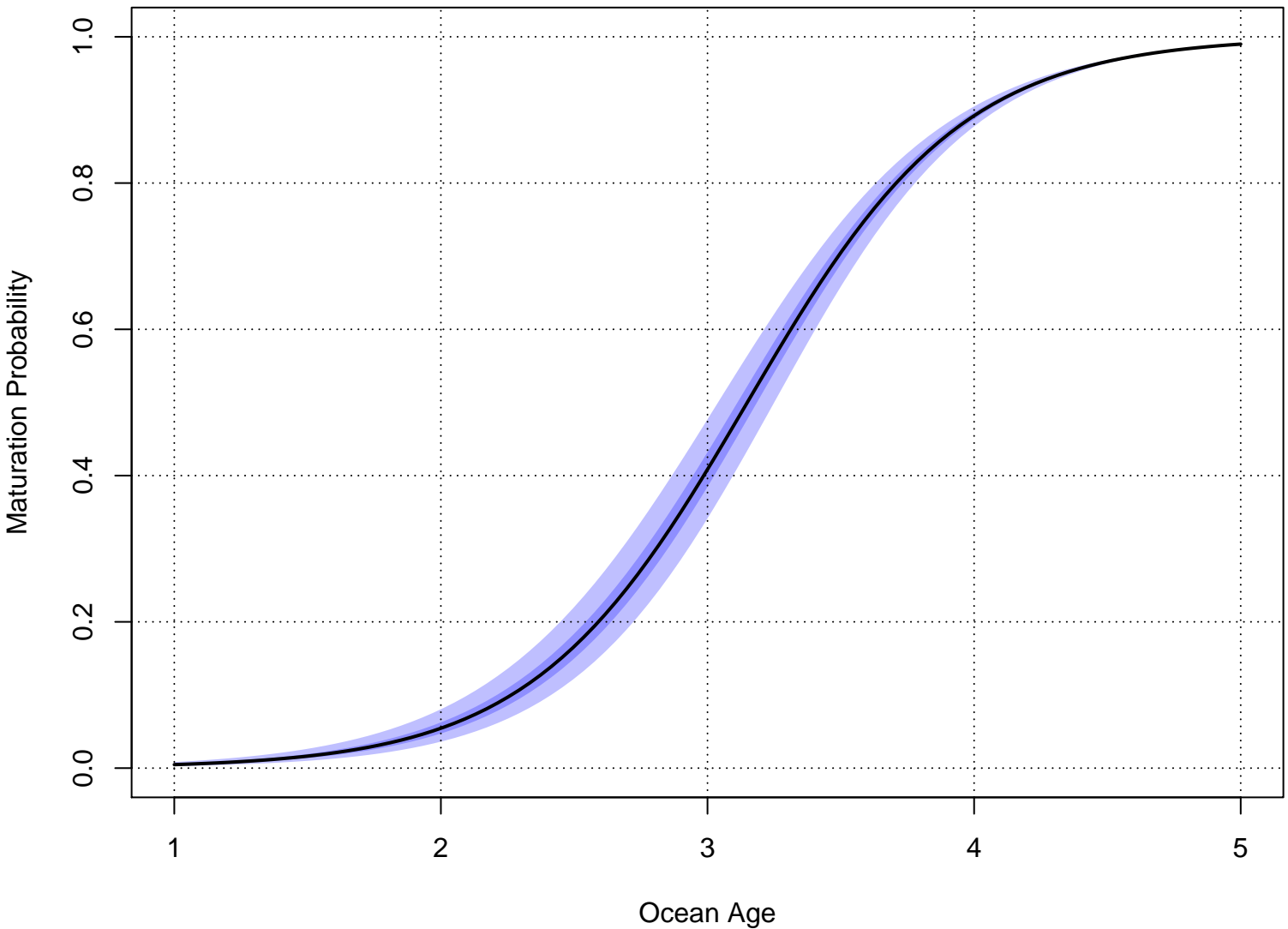
**sigma.spawn**



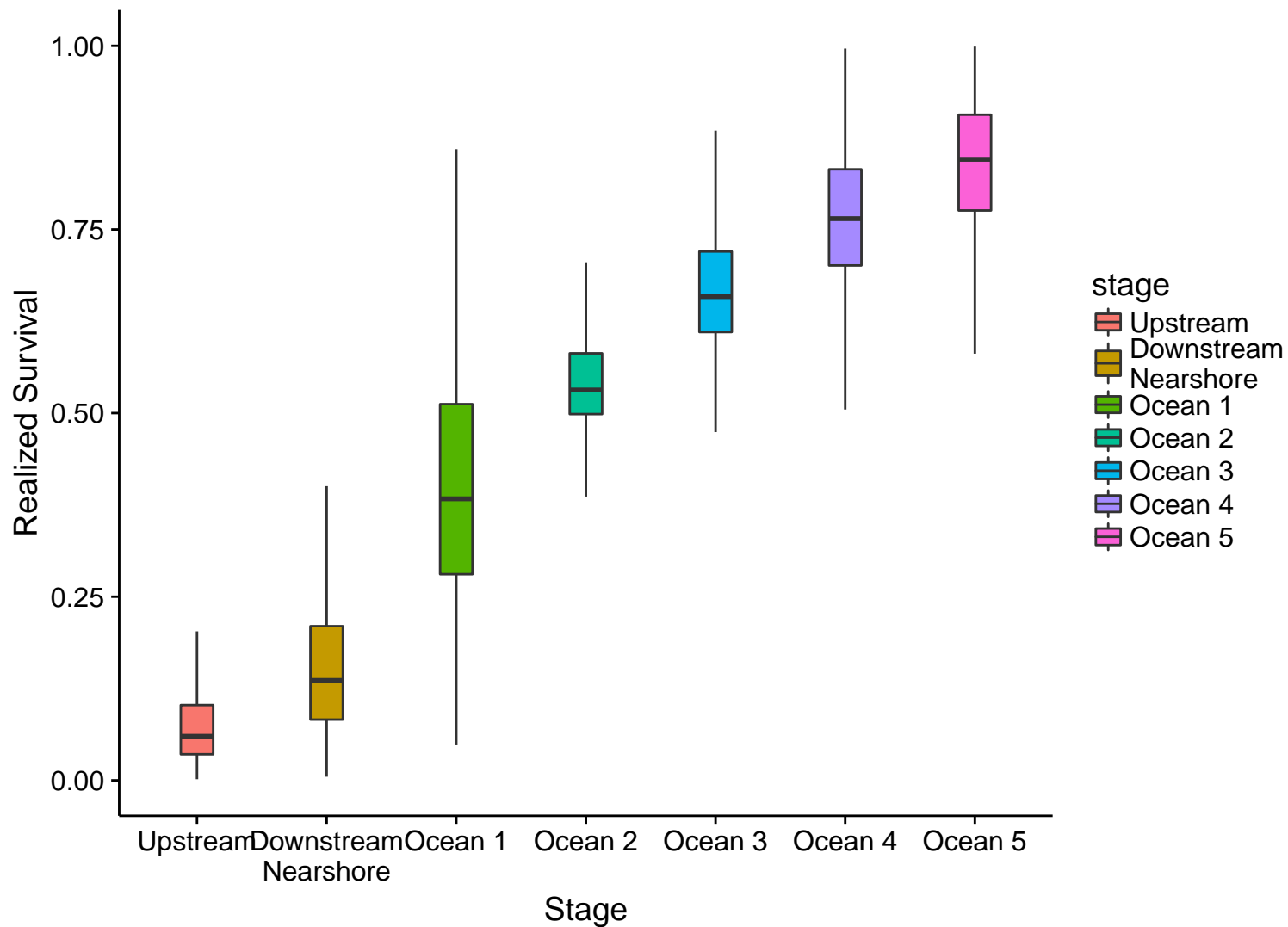
**sigma.juvi**



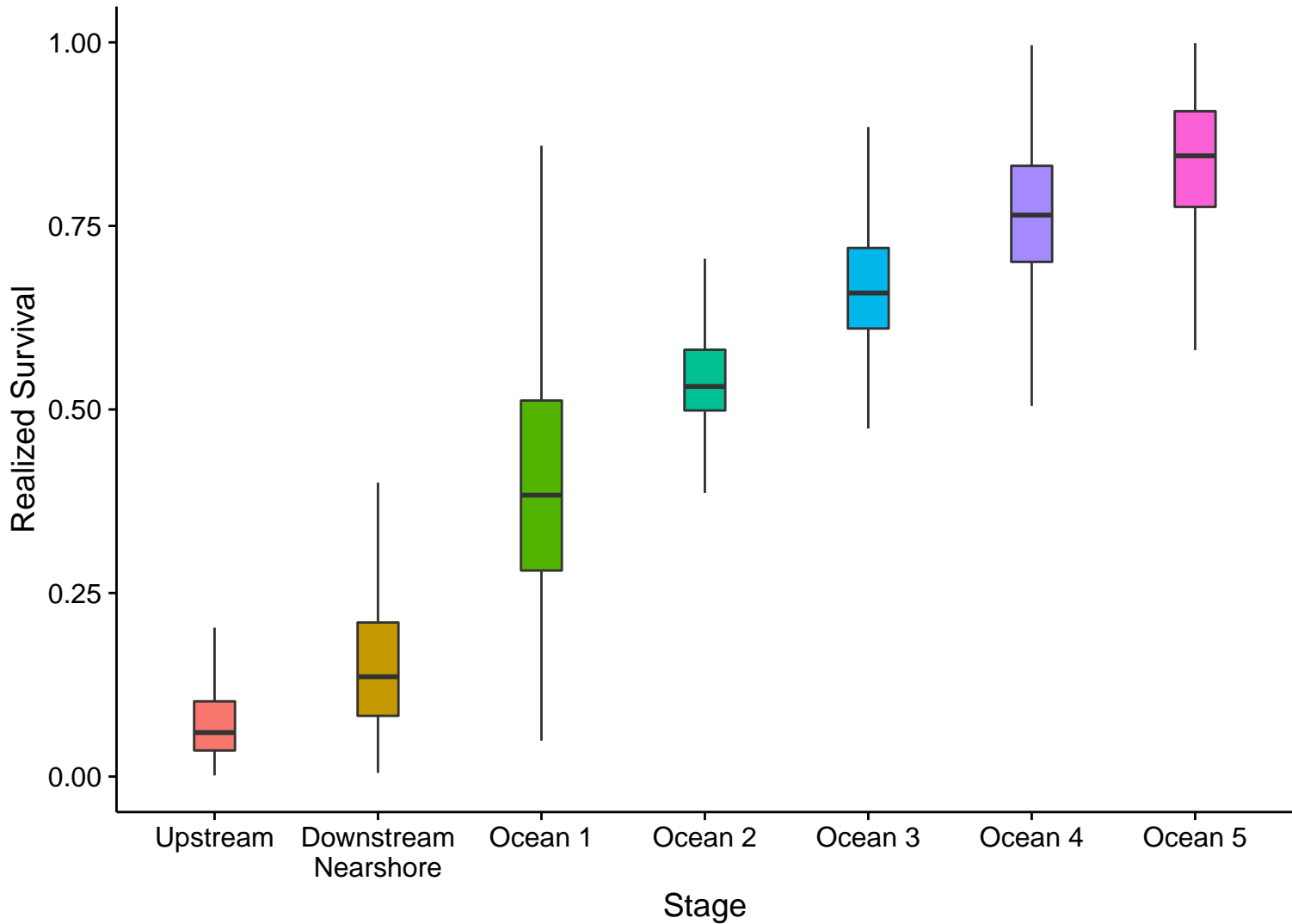
# salcha



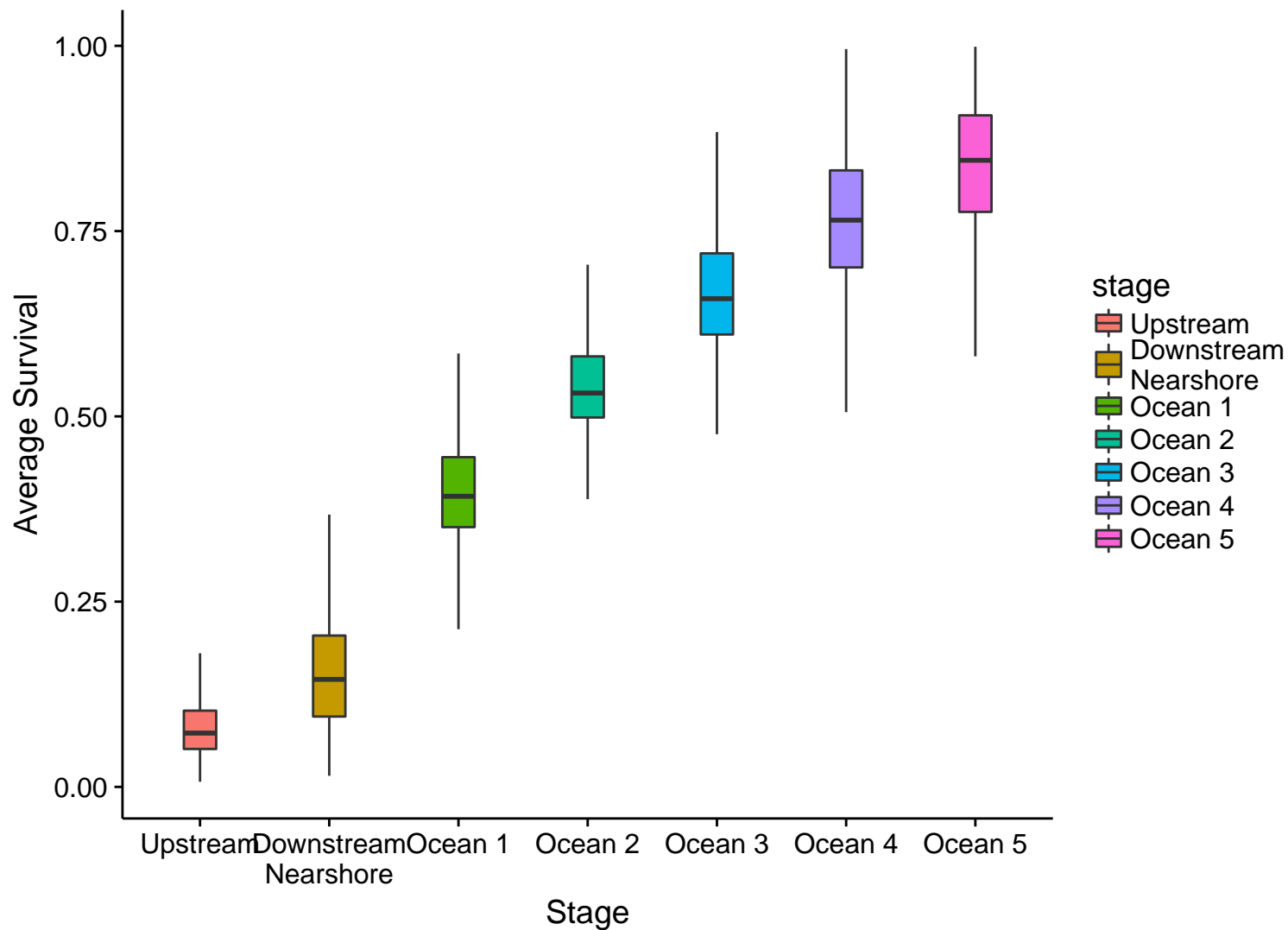
# Salcha



## Salcha

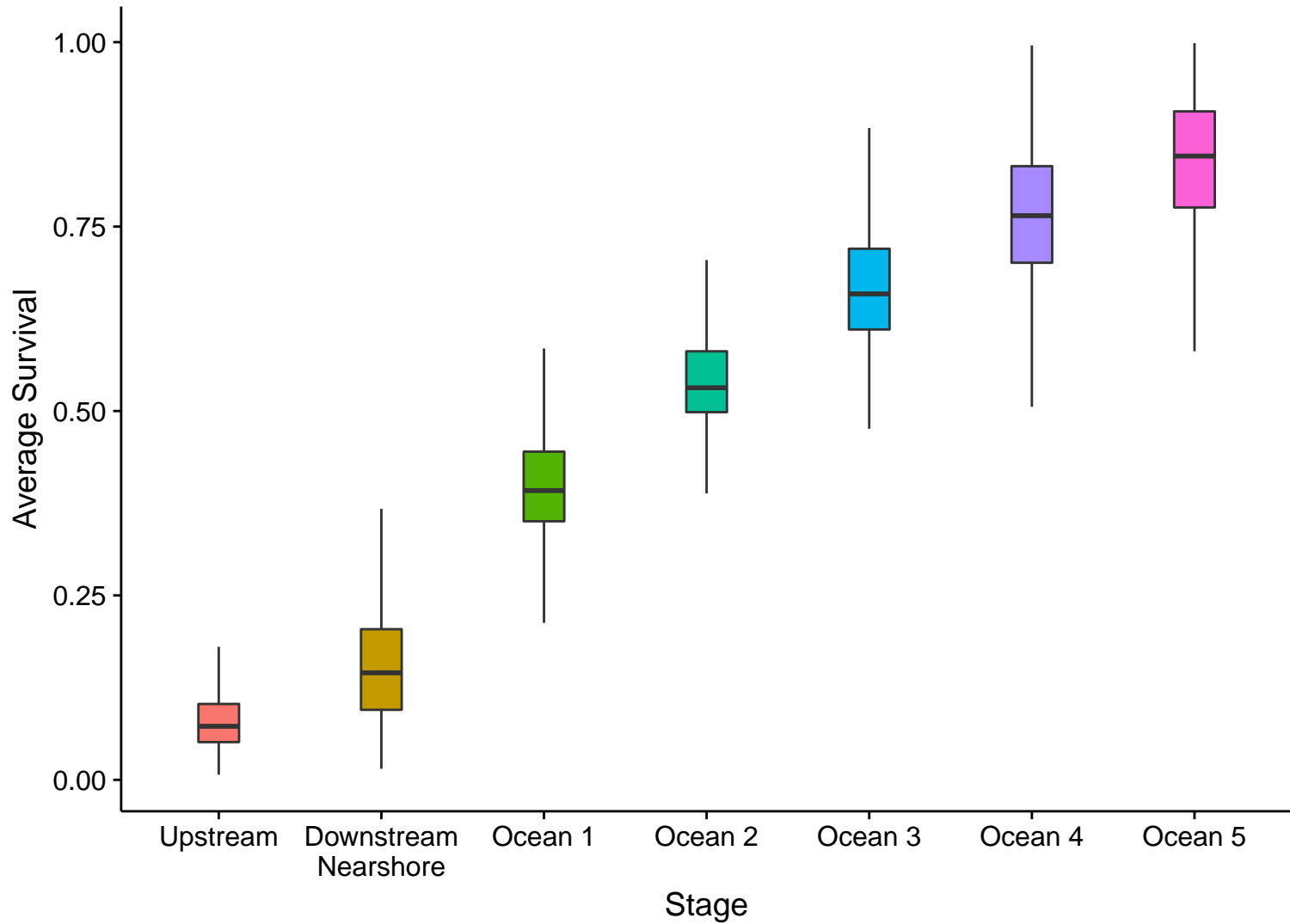


# Salcha

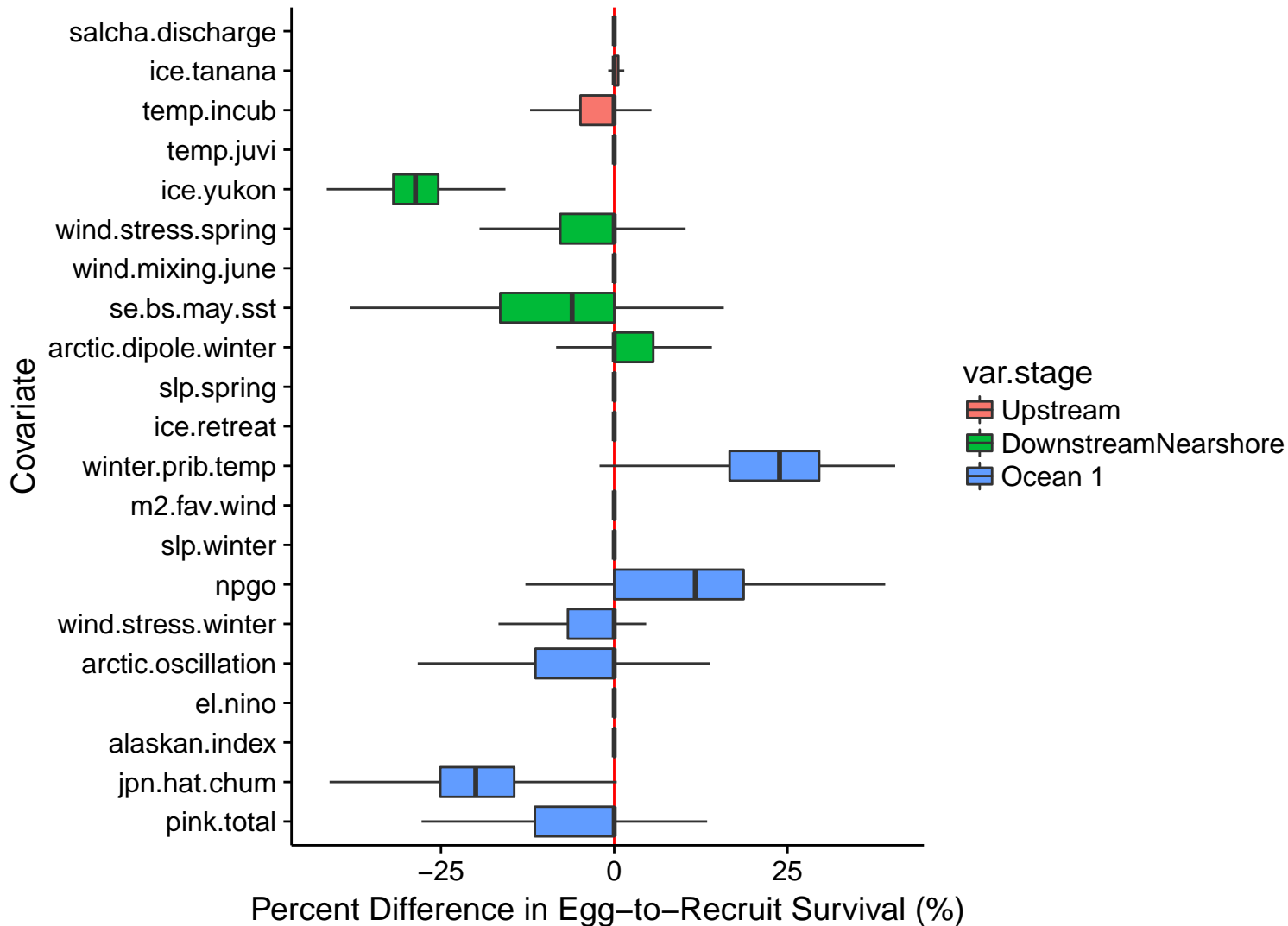




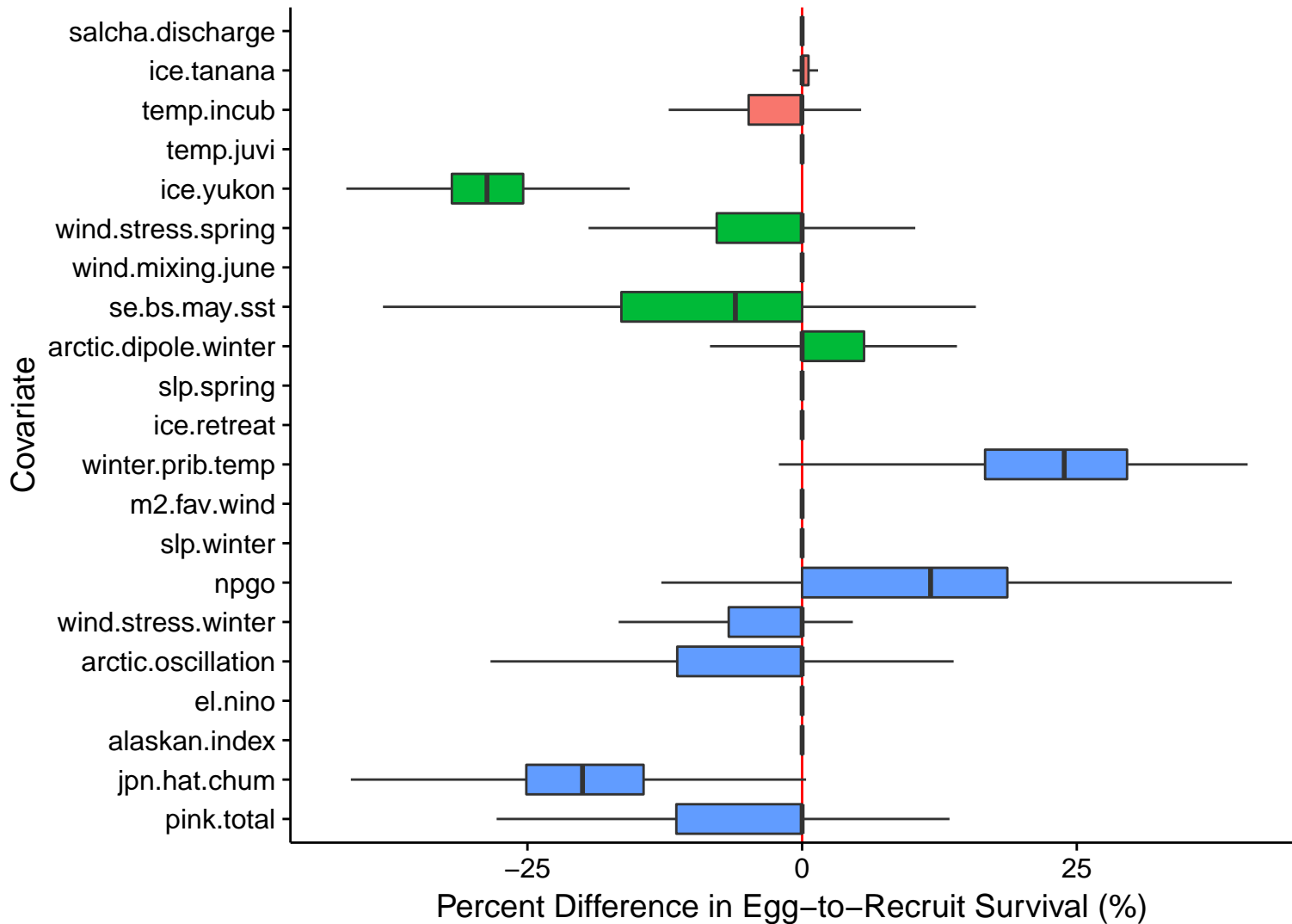
## Salcha



# Salcha

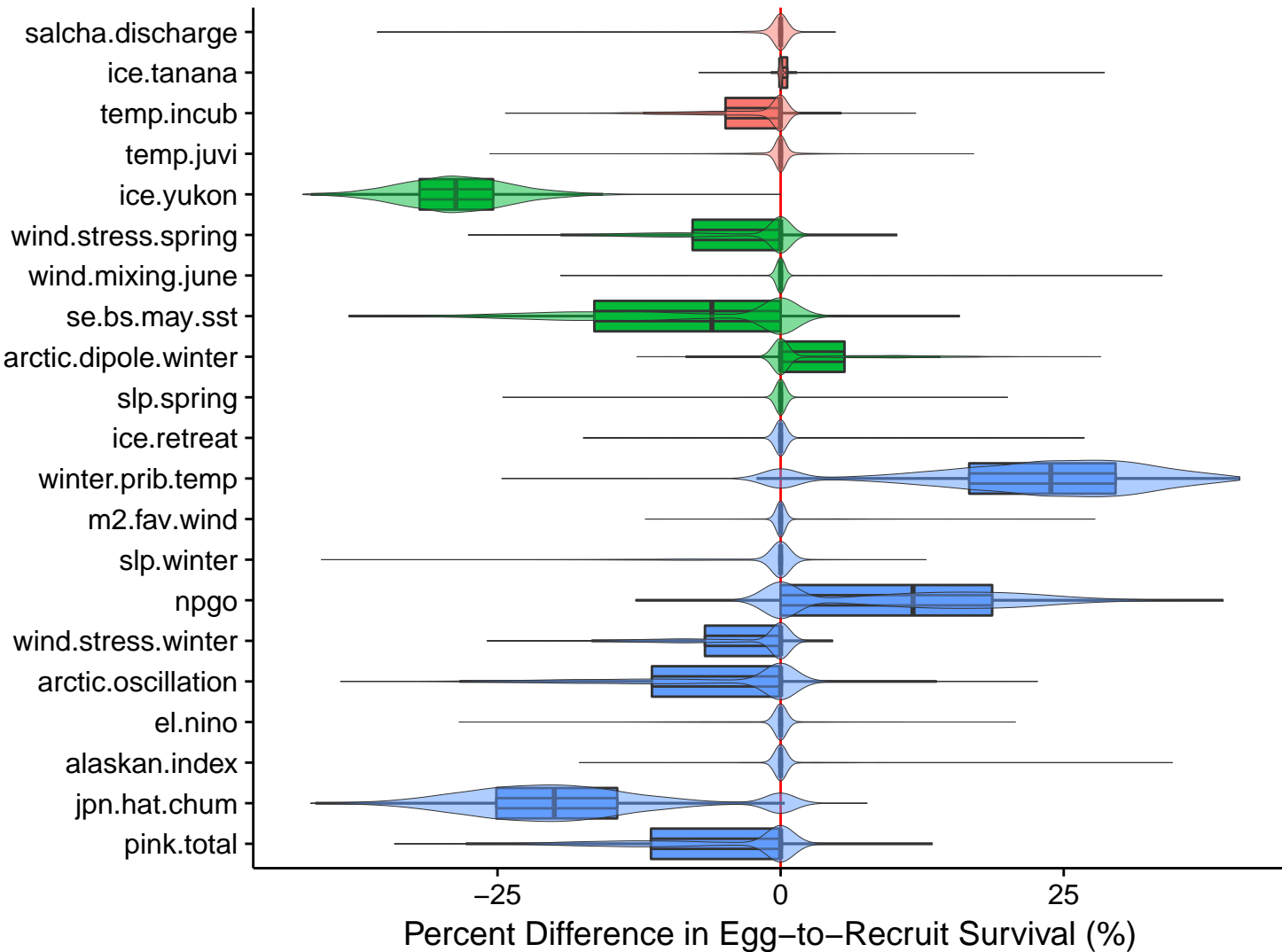


# Salcha



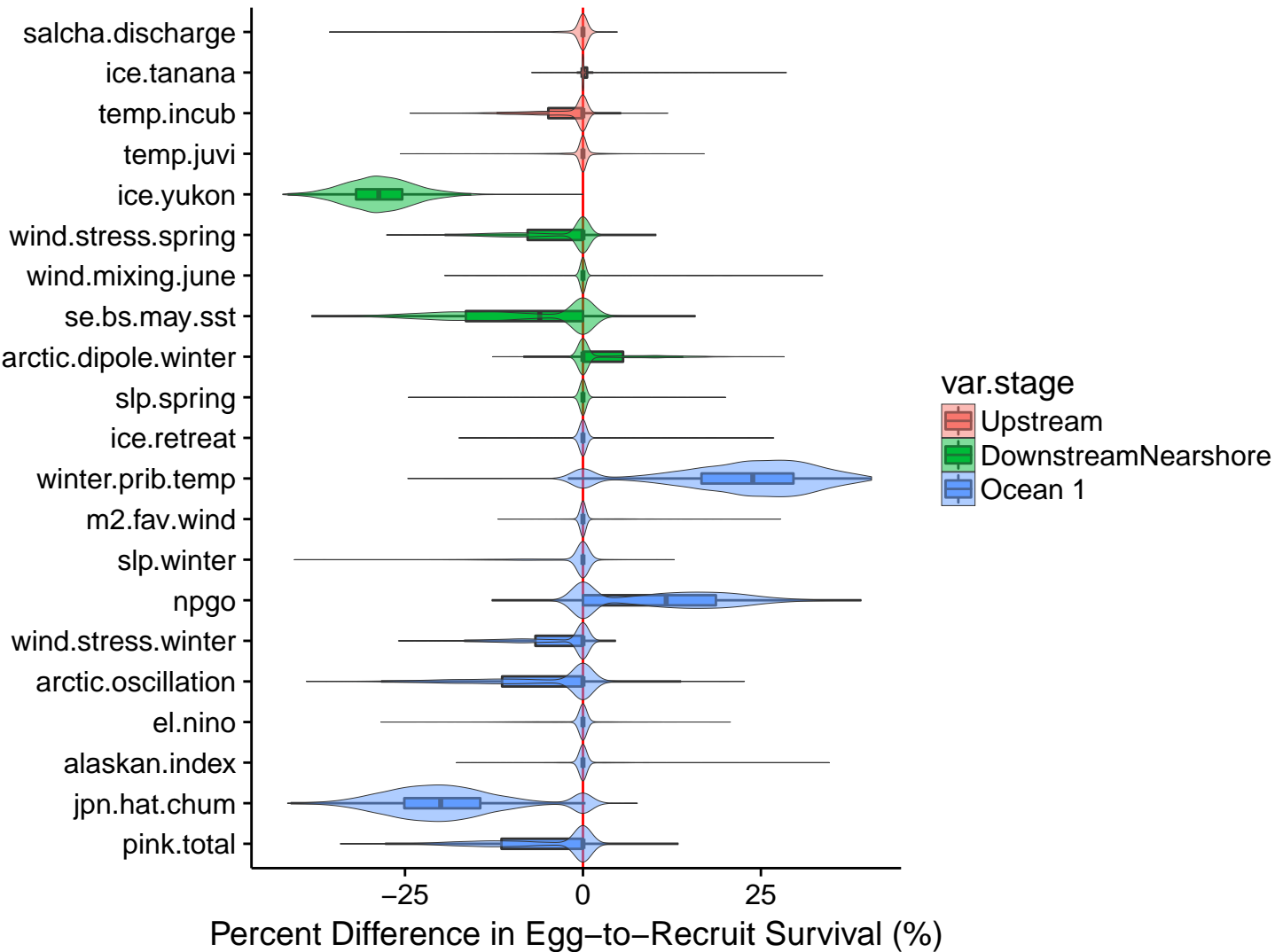
# Salcha

Covariate



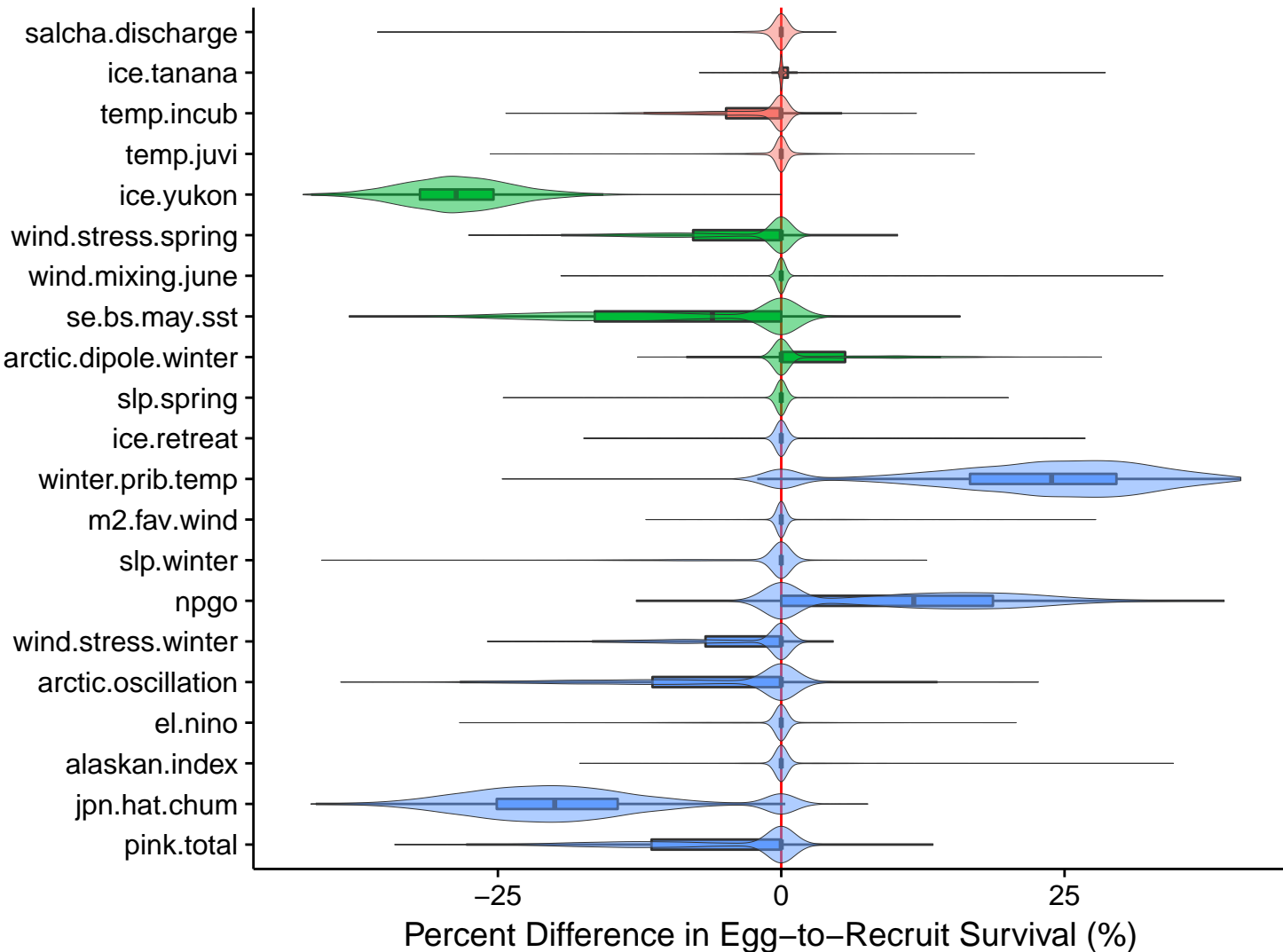
# Salcha

Covariate



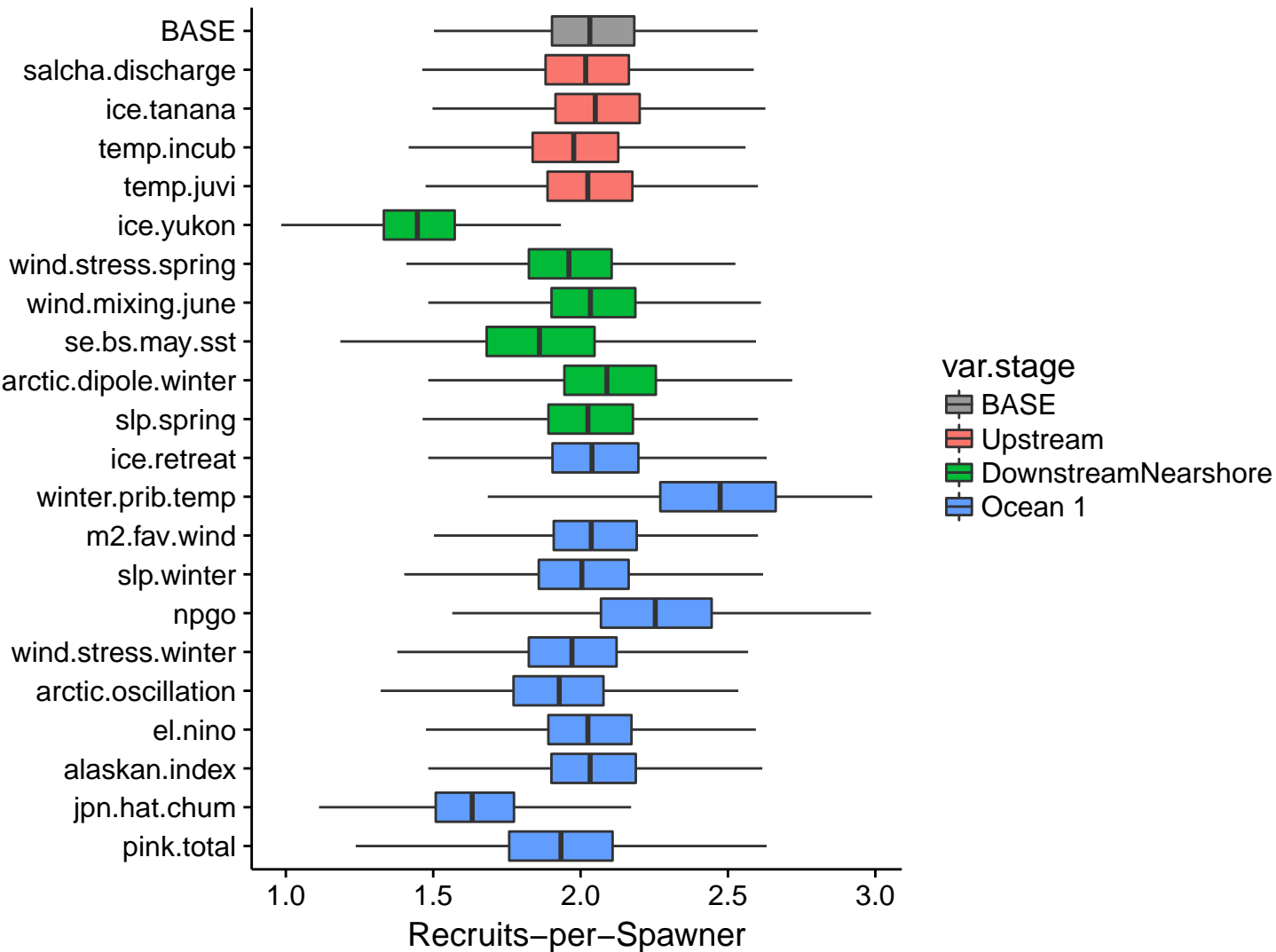
# Salcha

Covariate



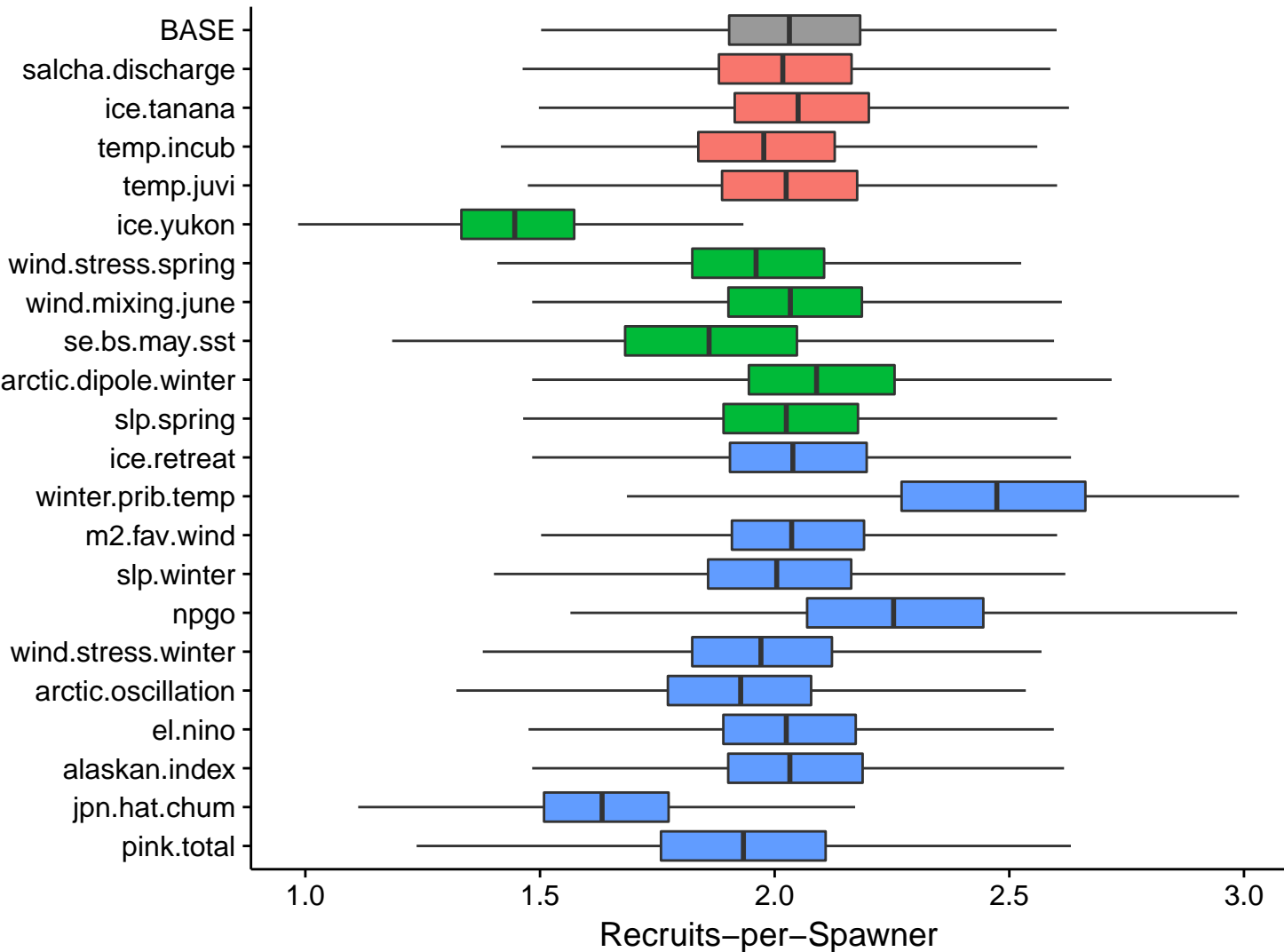
# Salcha

Covariate



# Salcha

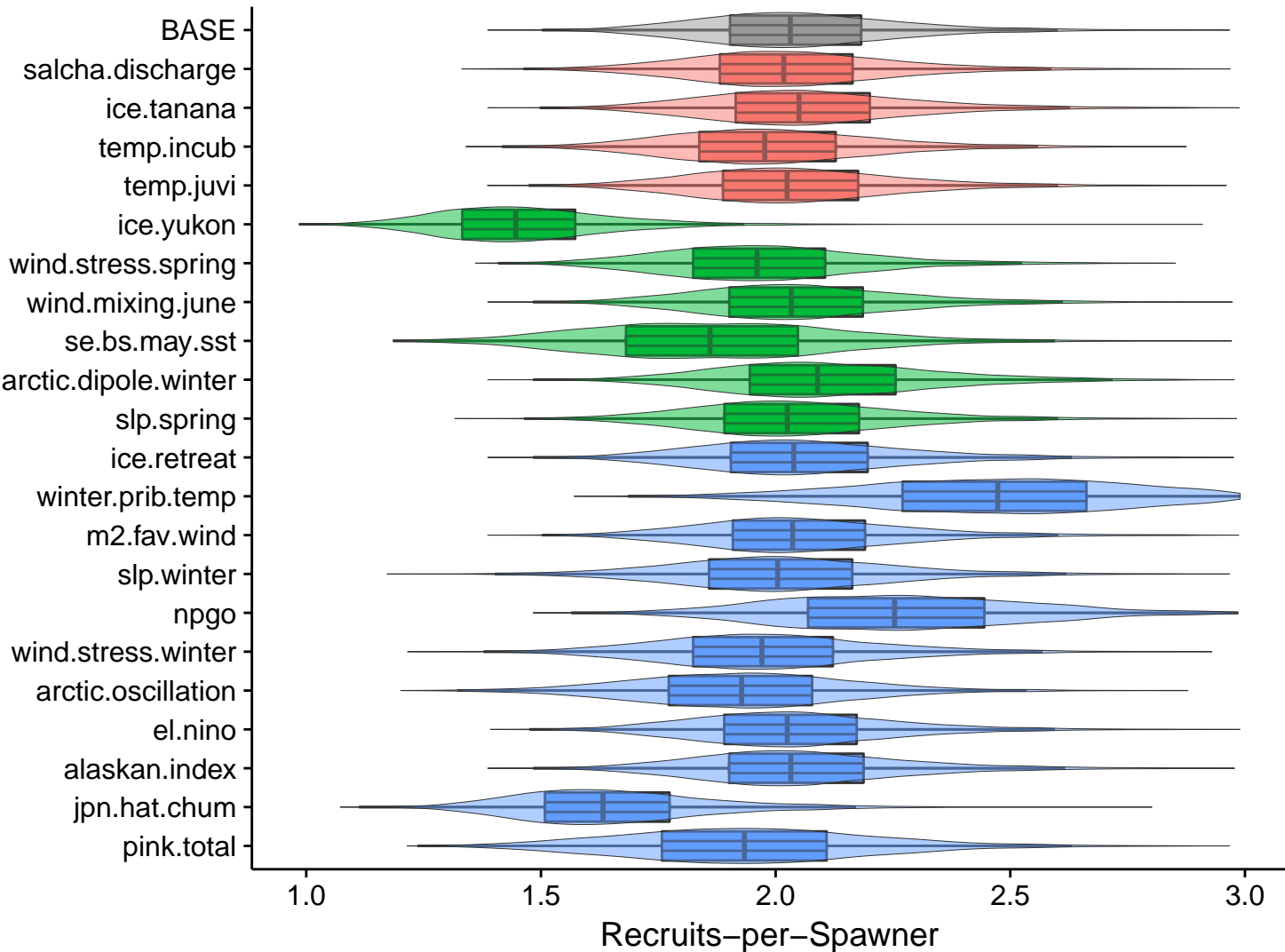
Covariate



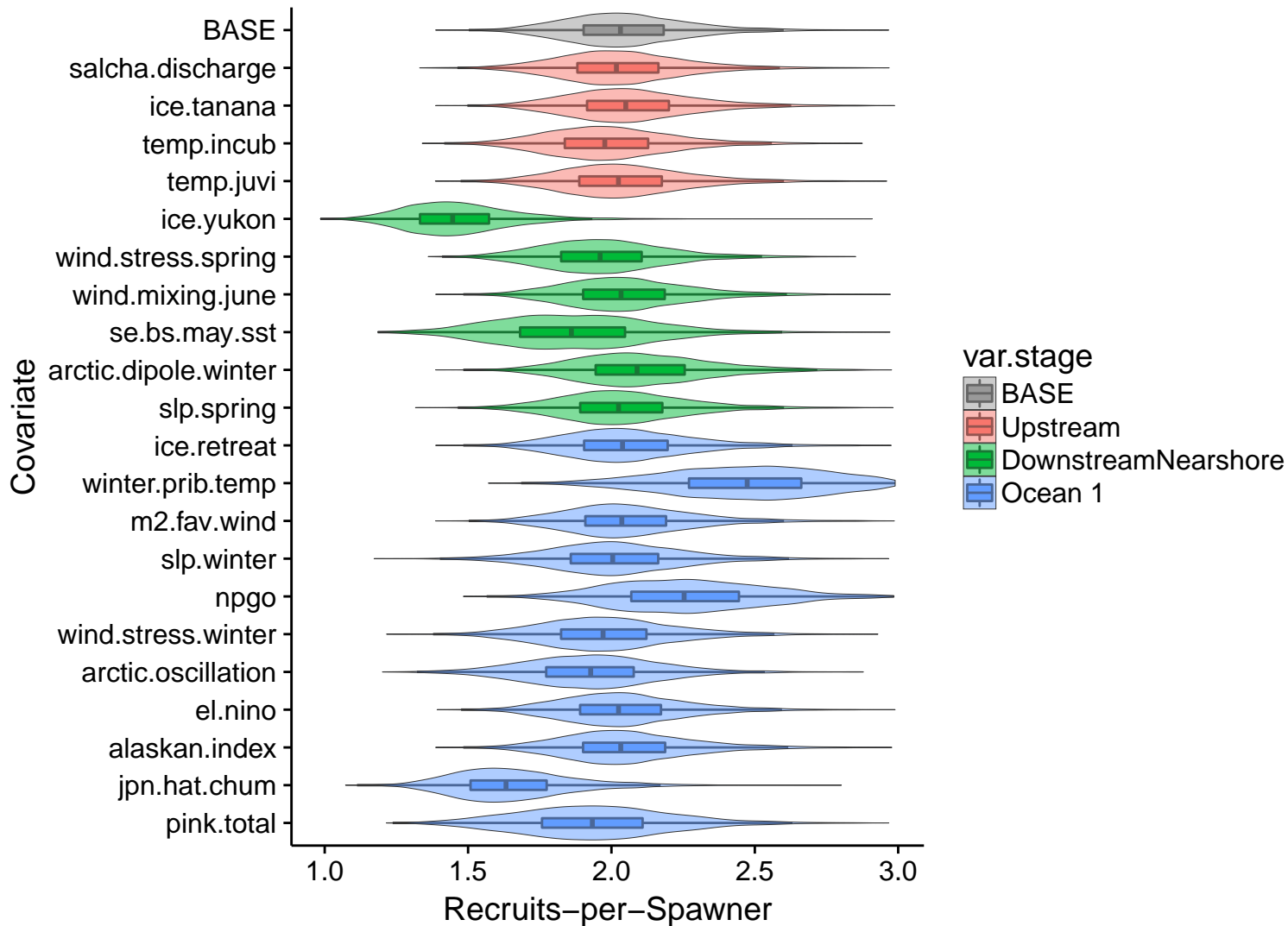


# Salcha

Covariate

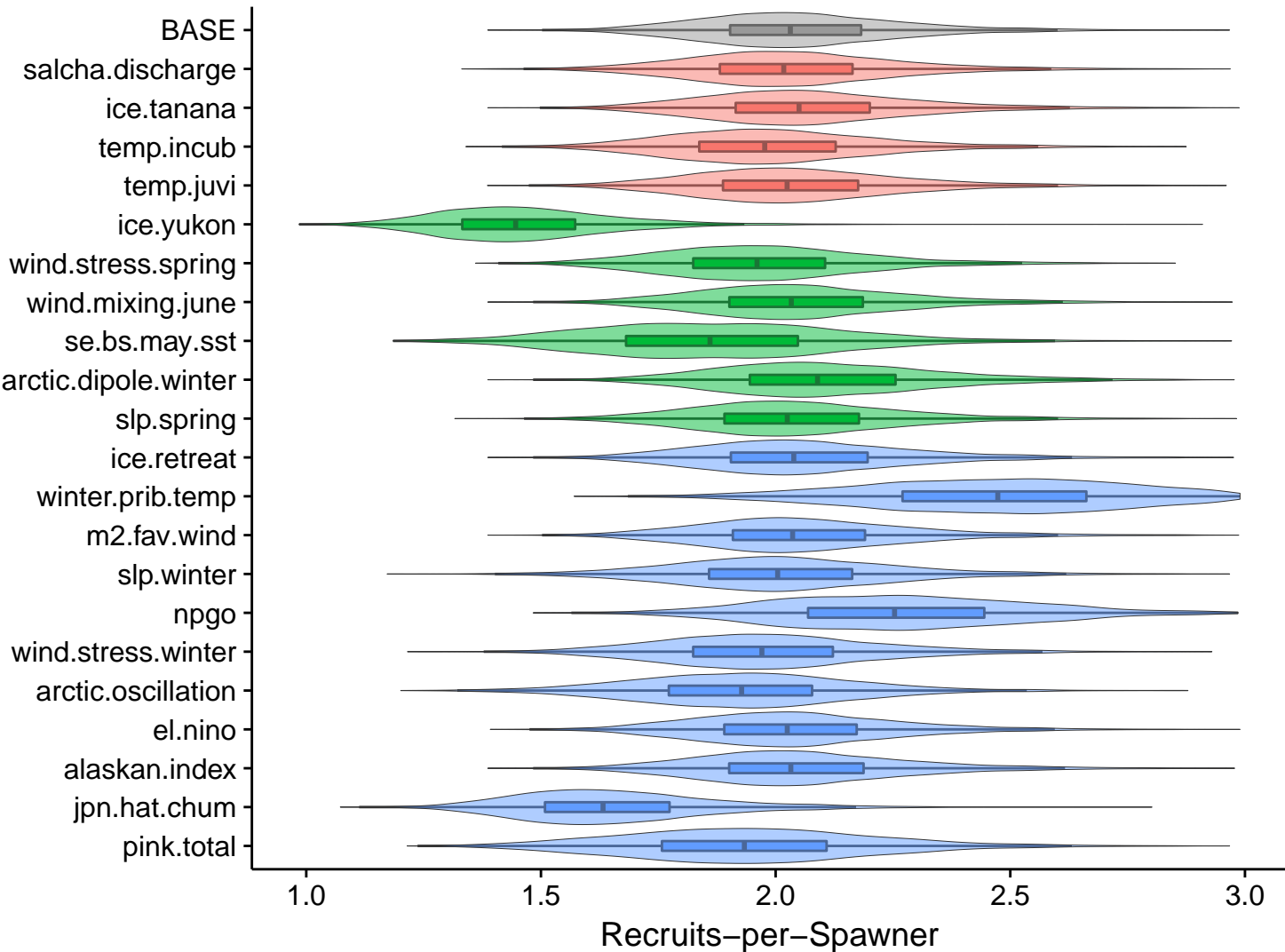


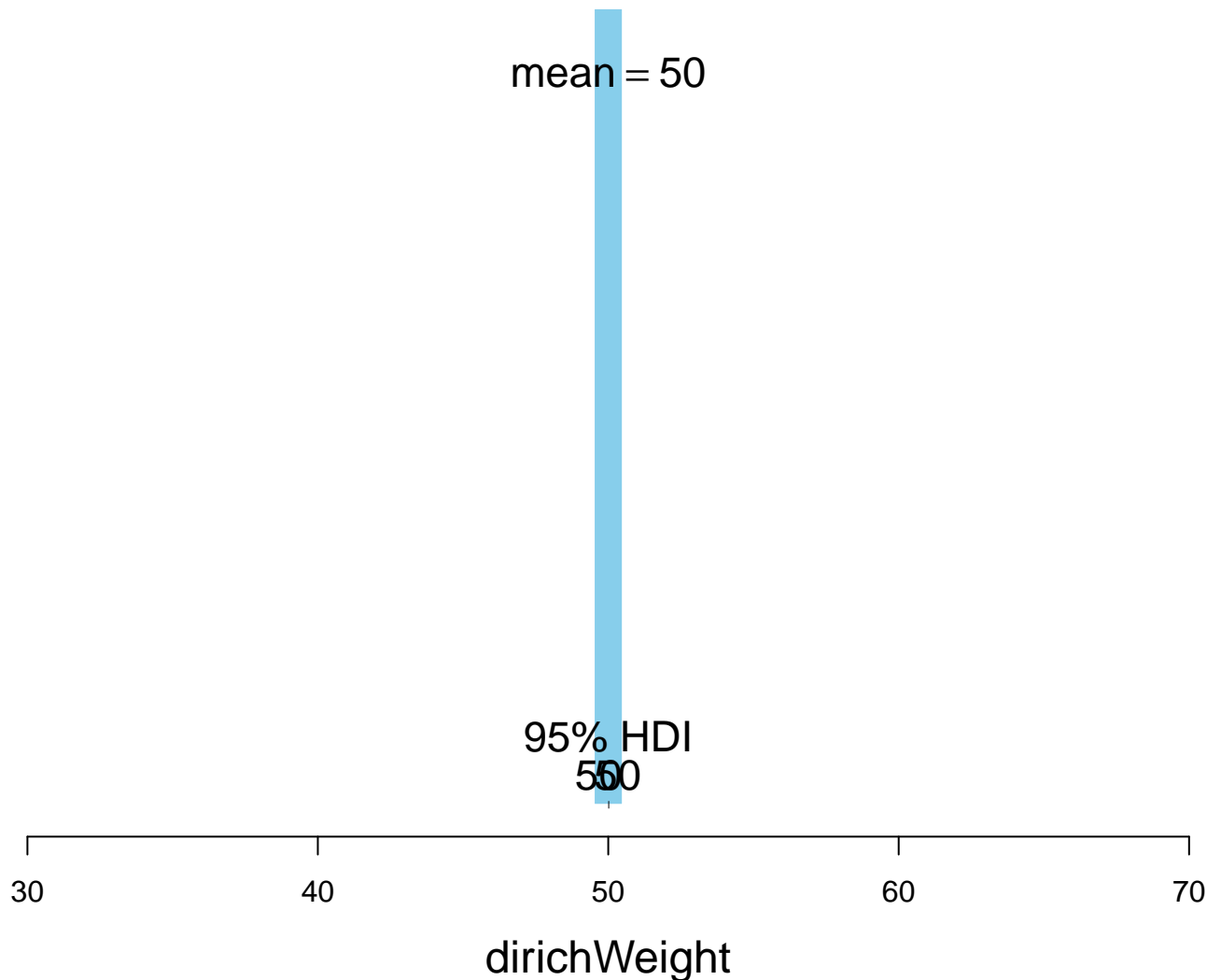
# Salcha

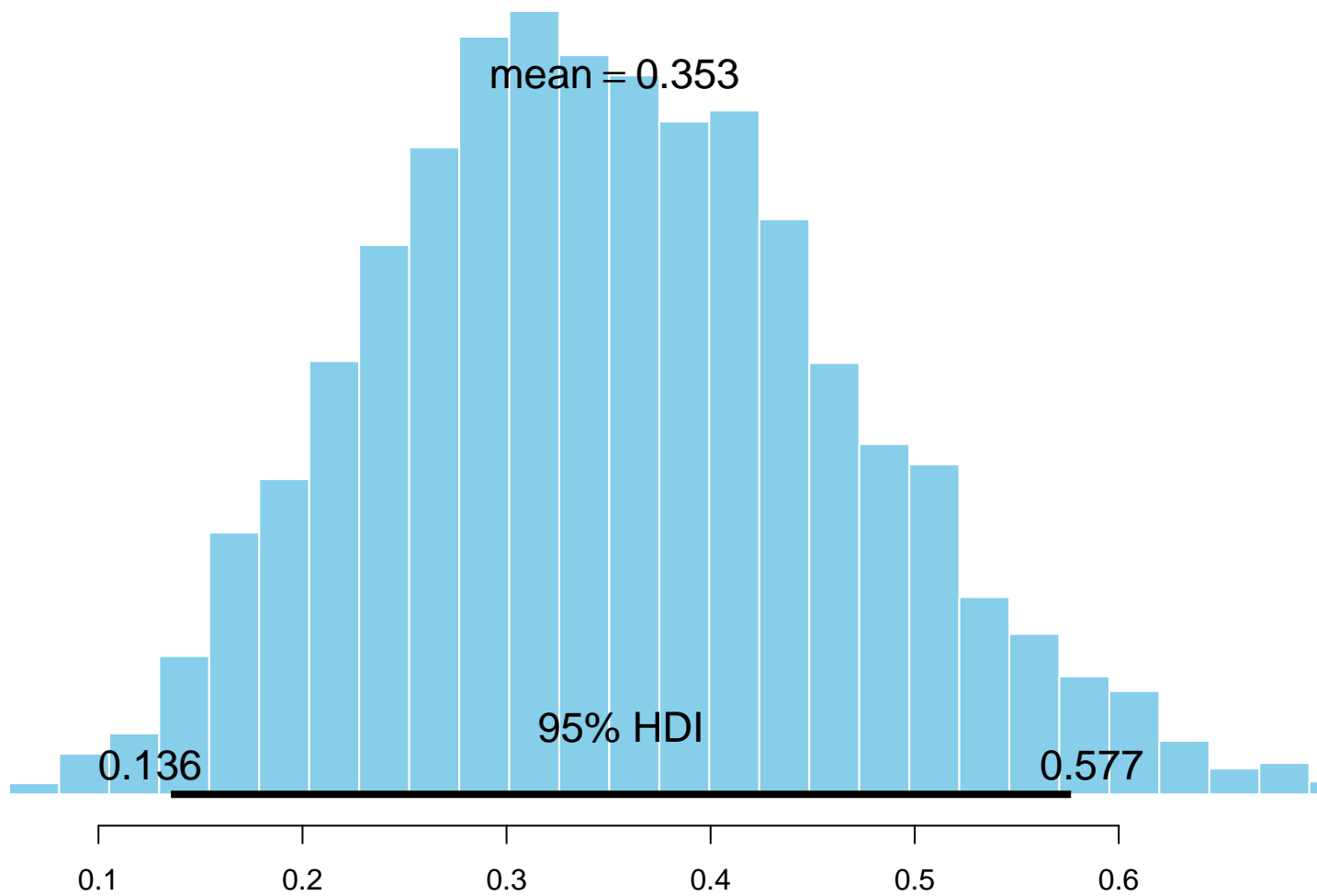


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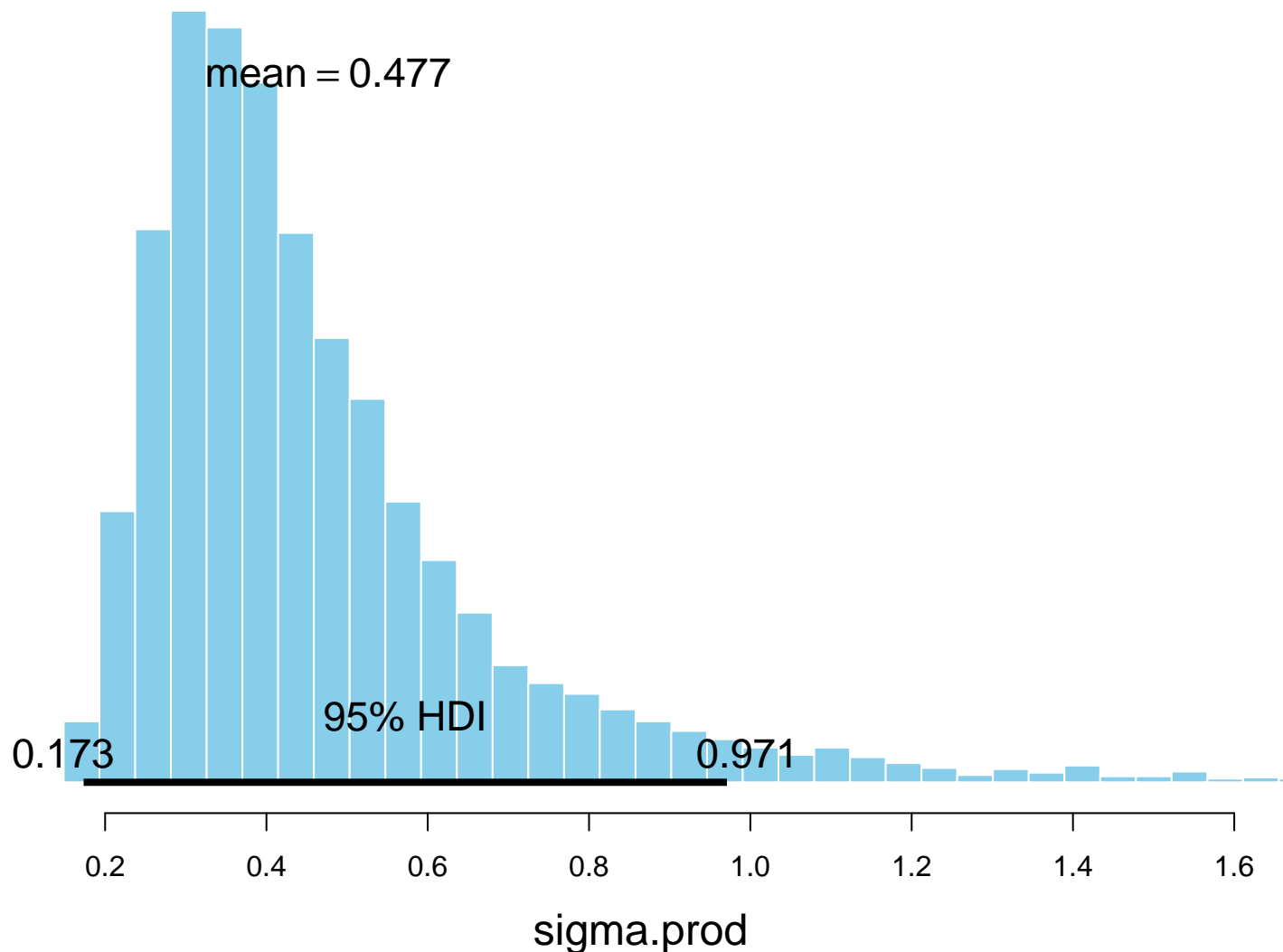
Covariate

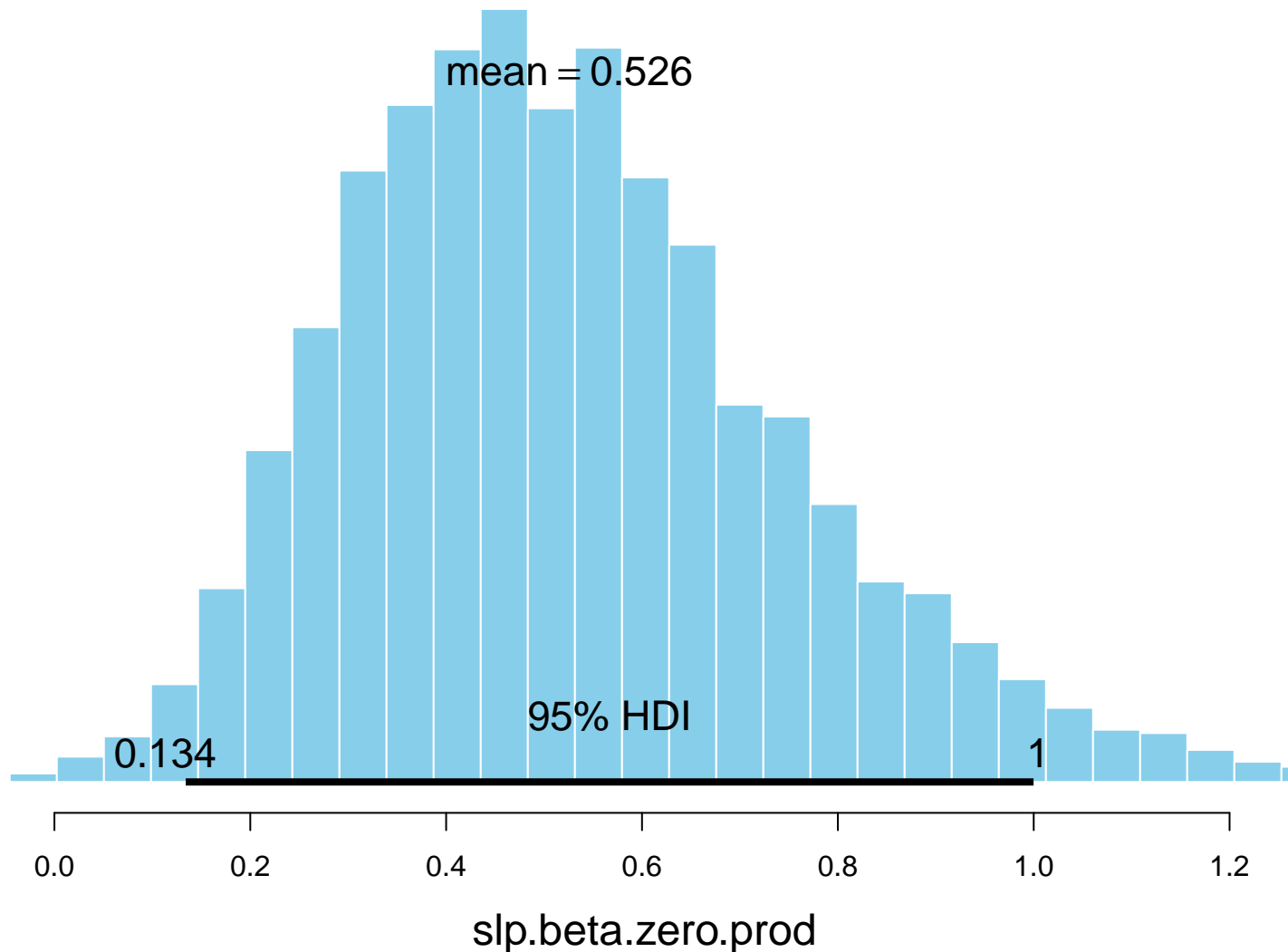


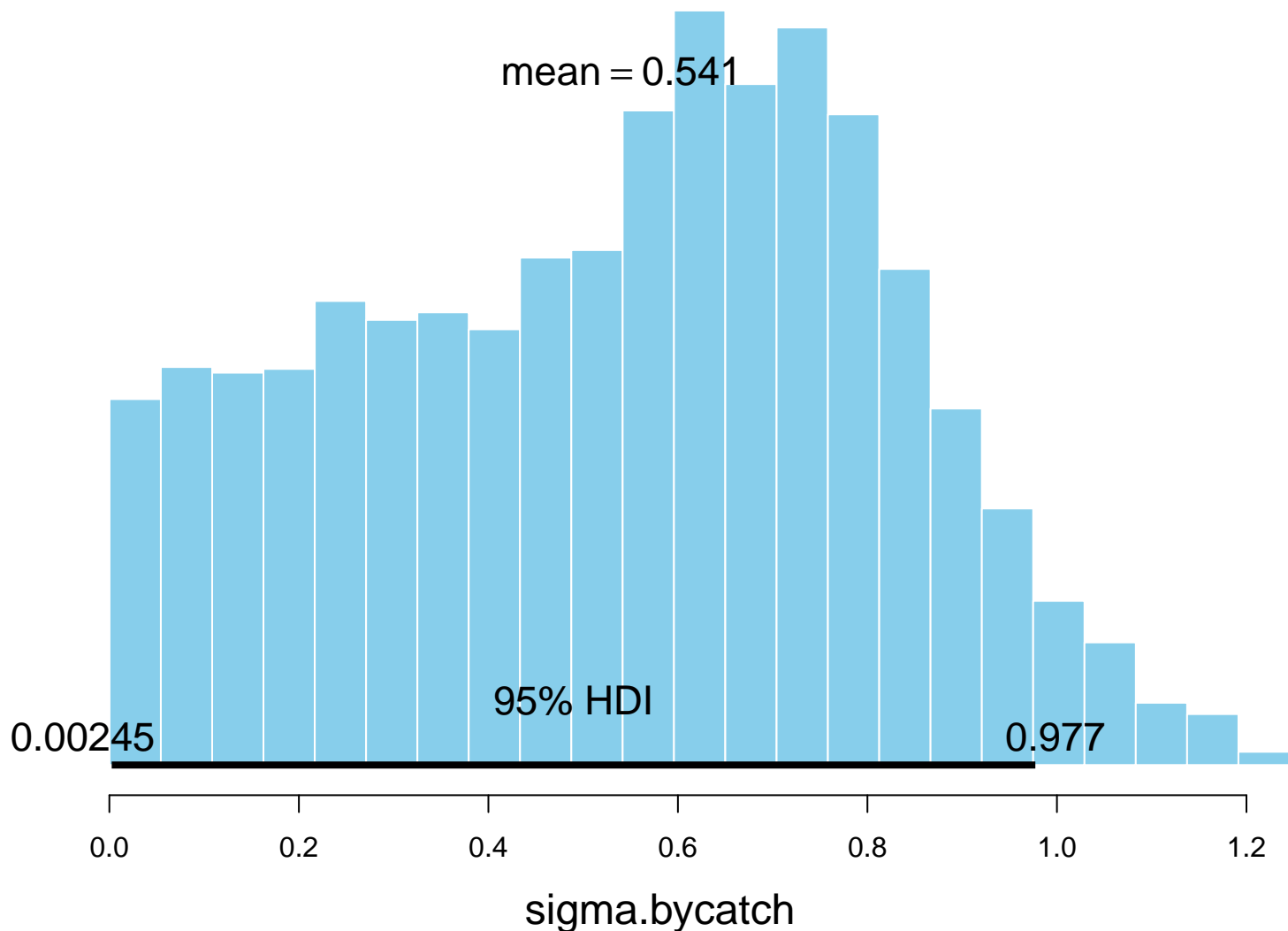




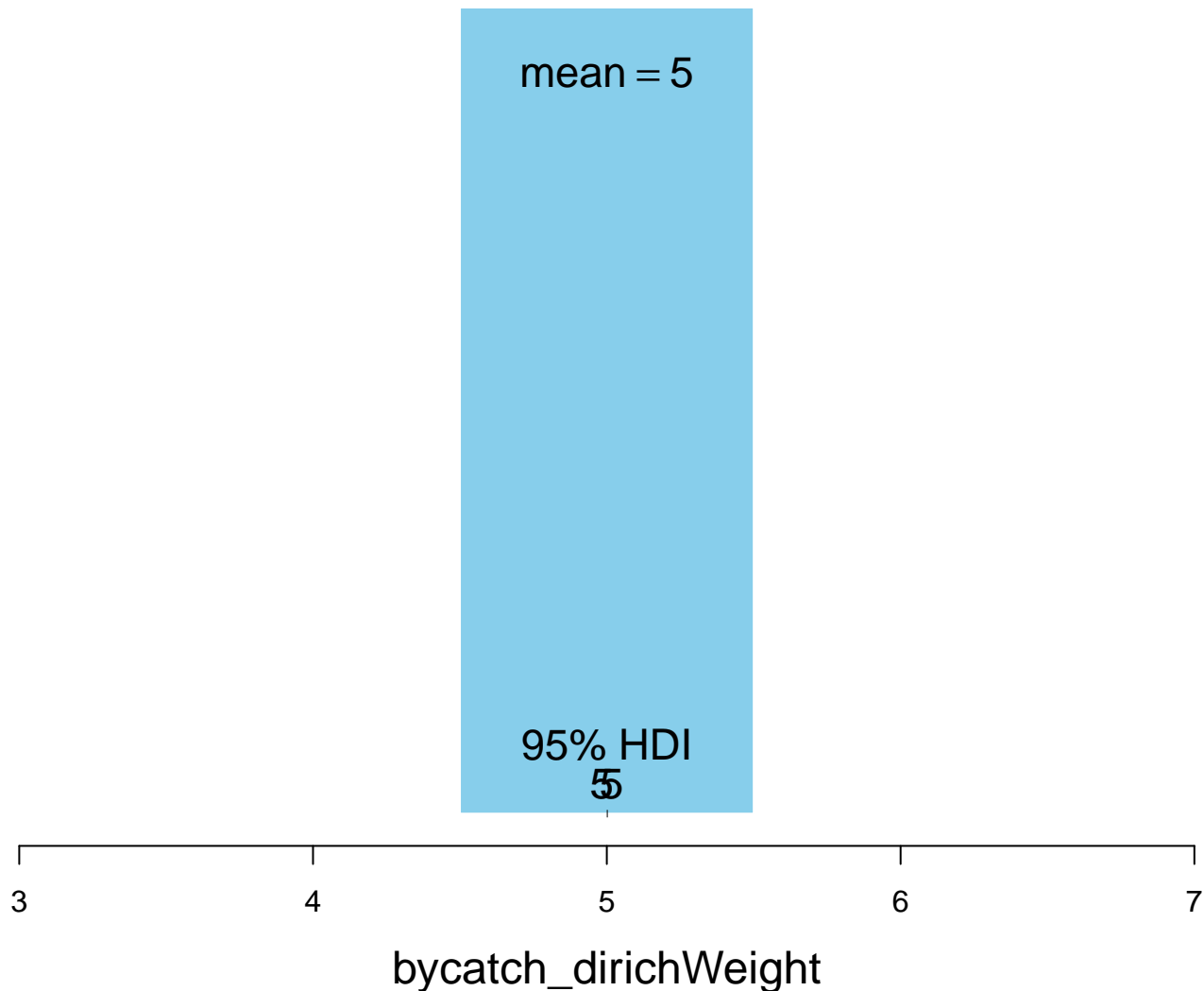
Prior Probability for Indicator Variables (pind)

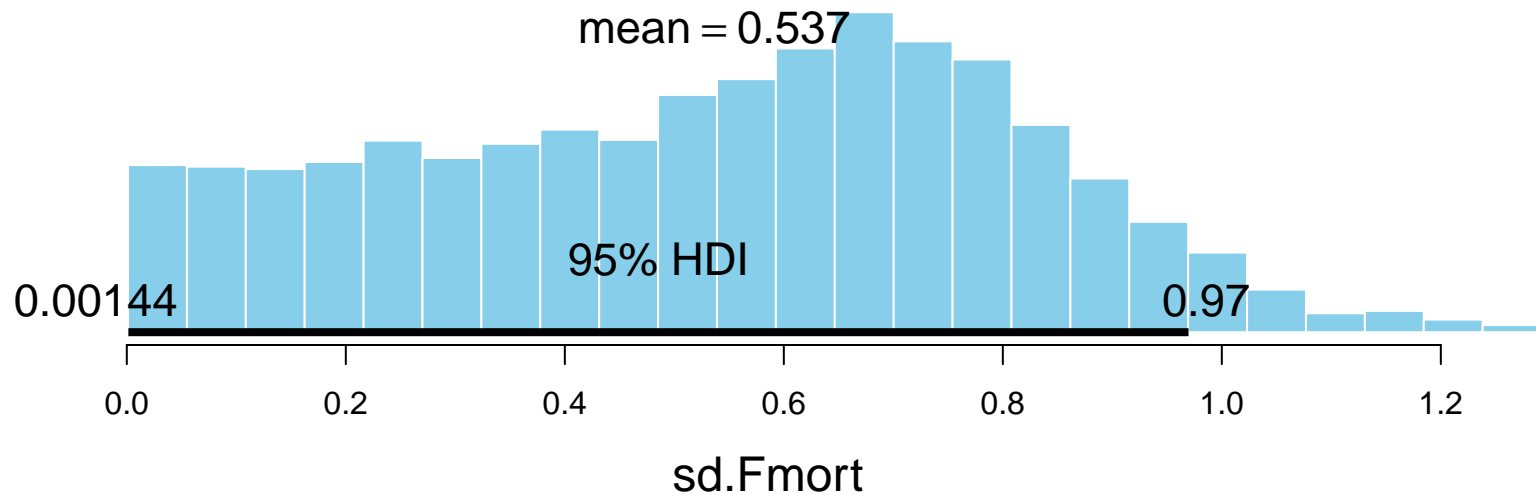
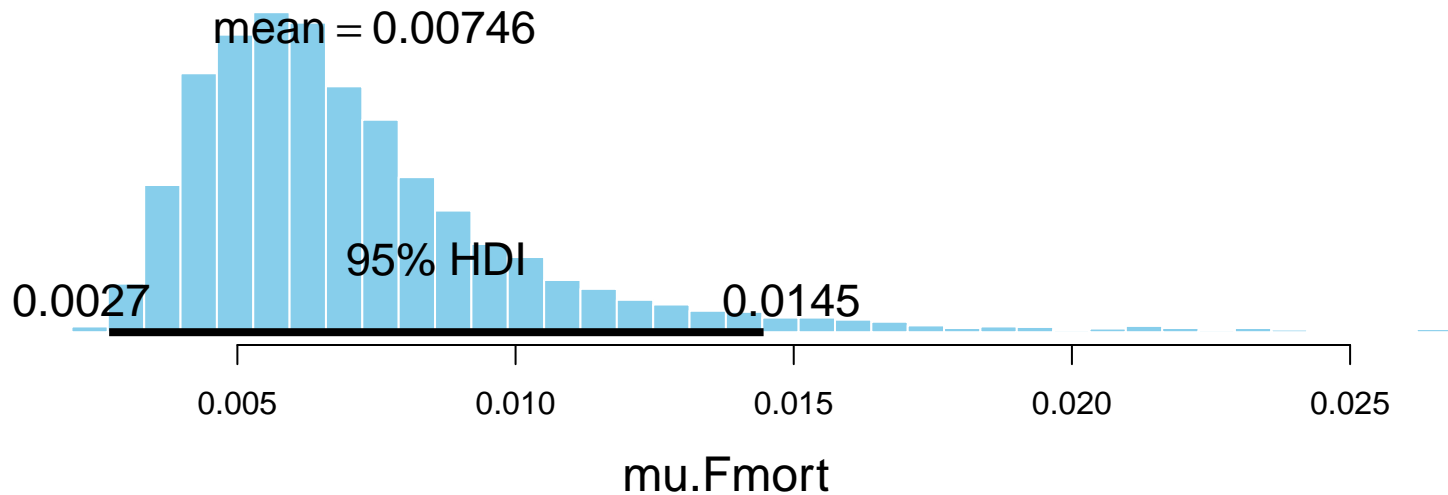






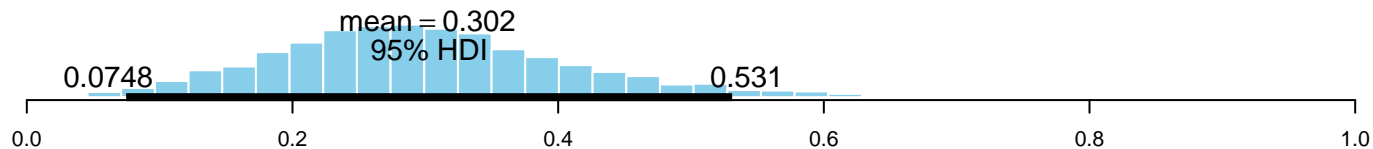




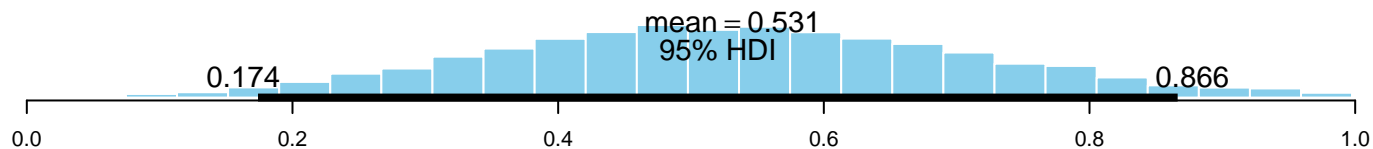




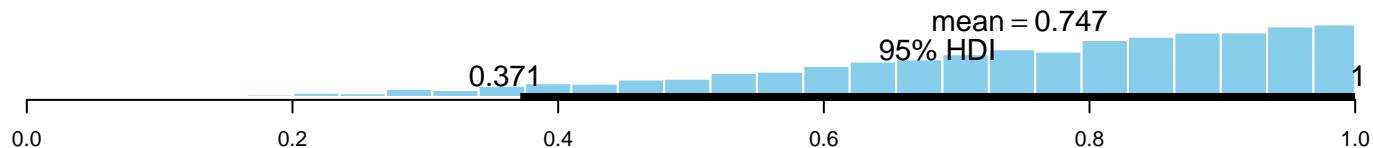
1-Ocean sel\_bycatch



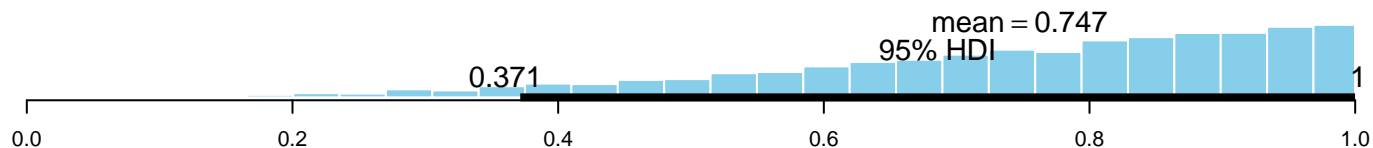
2-Ocean sel\_bycatch



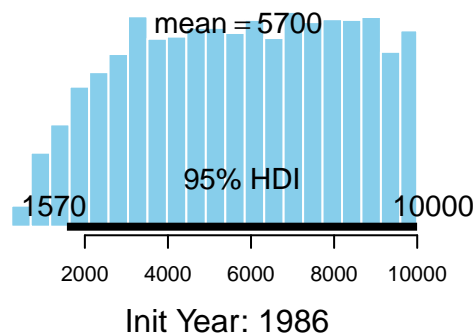
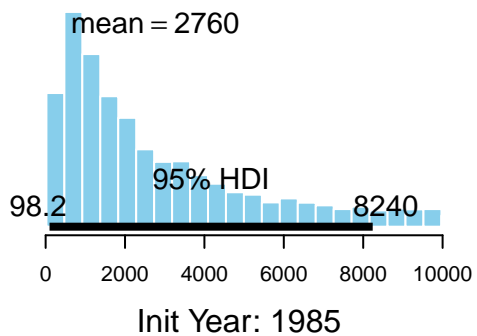
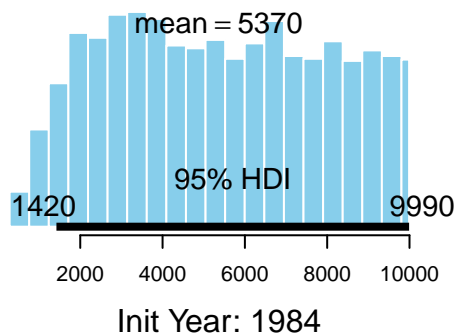
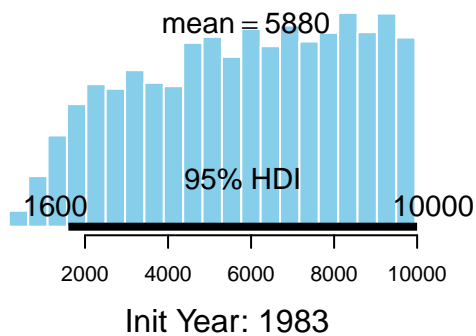
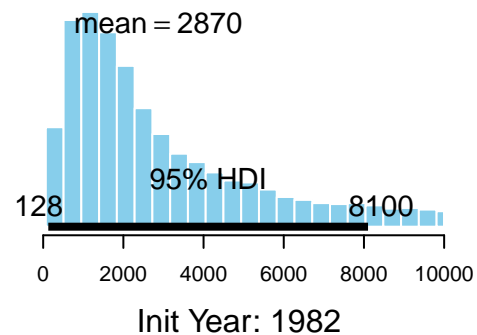
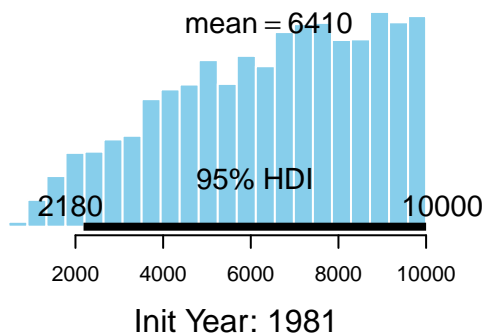
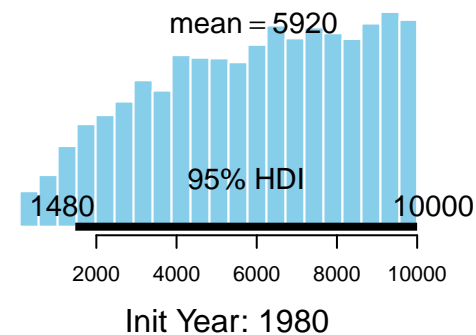
3-Ocean sel\_bycatch



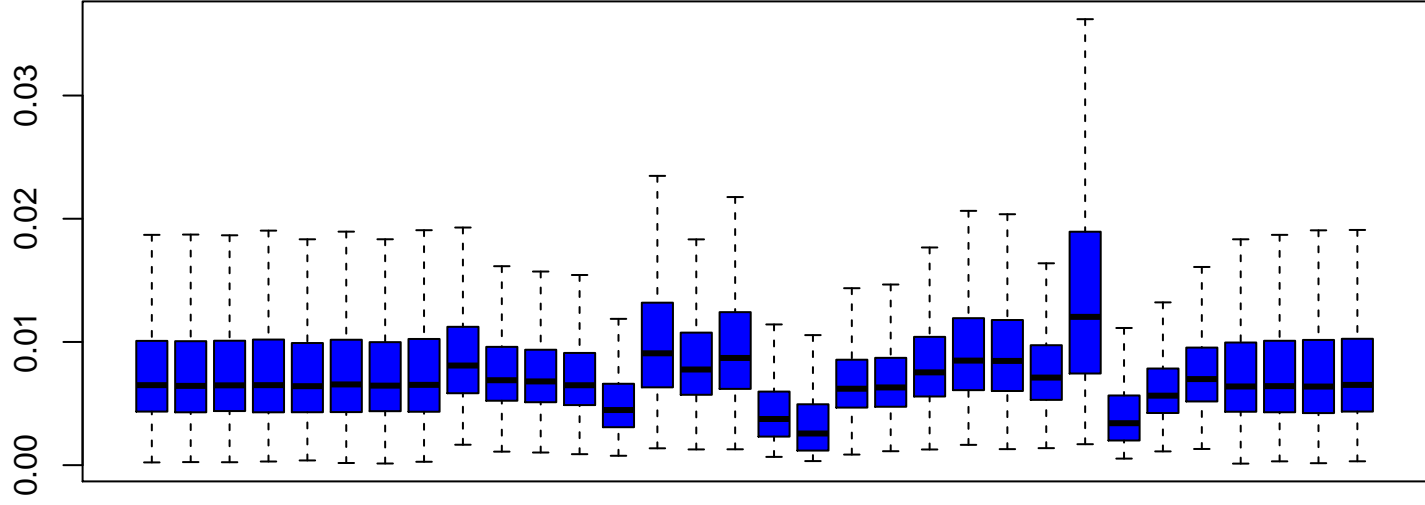
4-Ocean sel\_bycatch



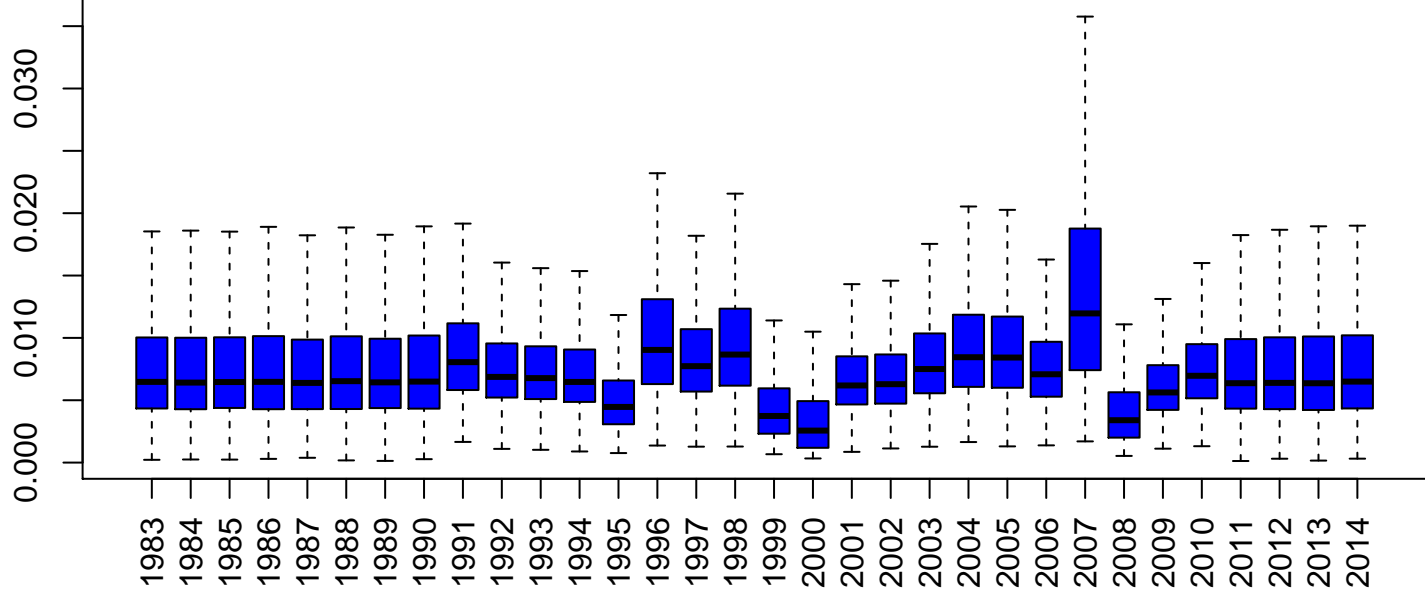
5-Ocean sel\_bycatch

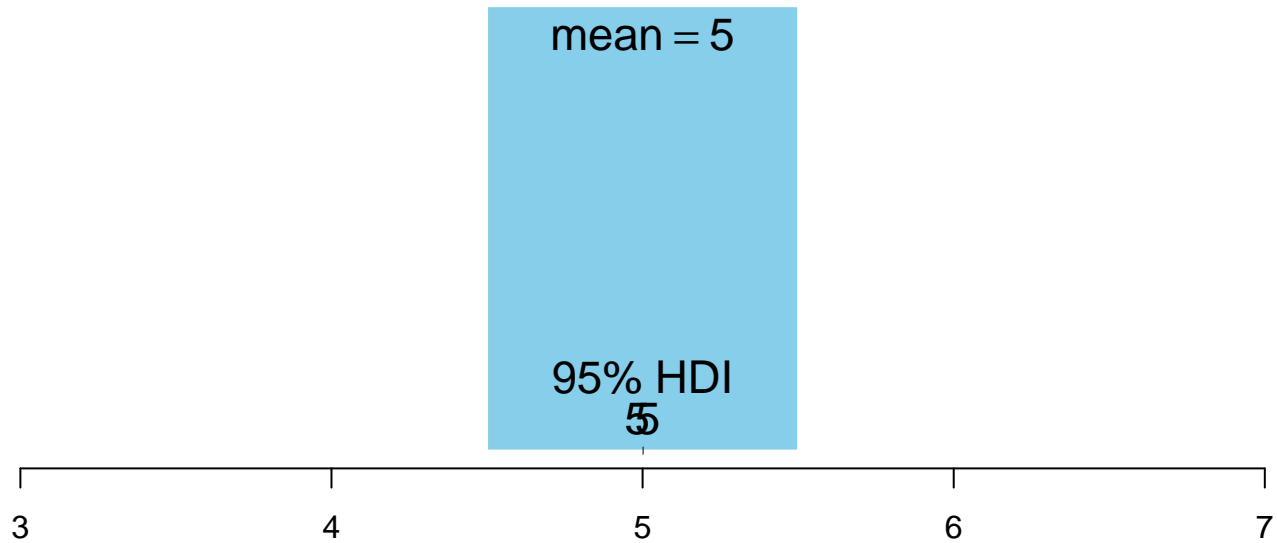


Emort Bycatch

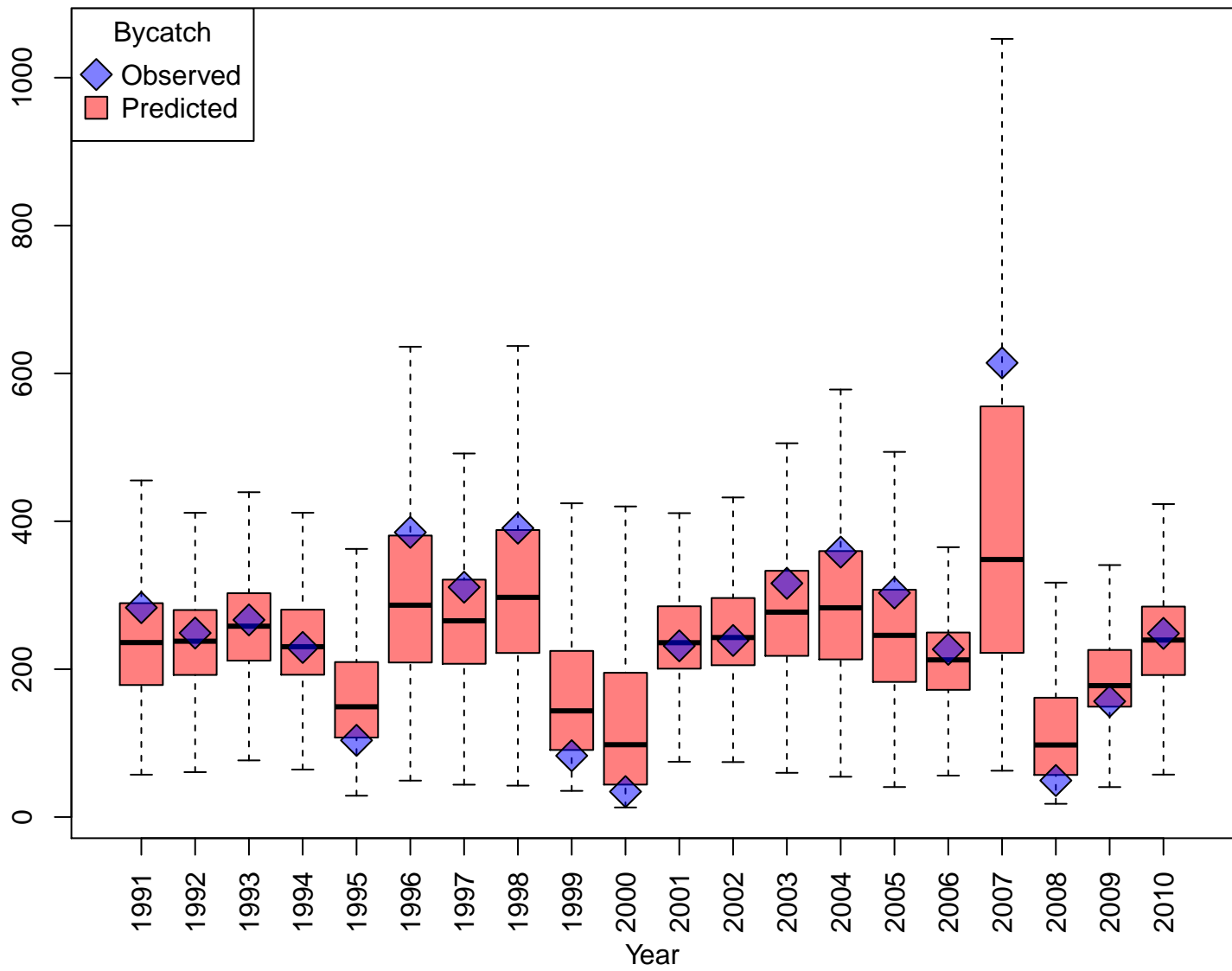


Harvest Rate Bycatch

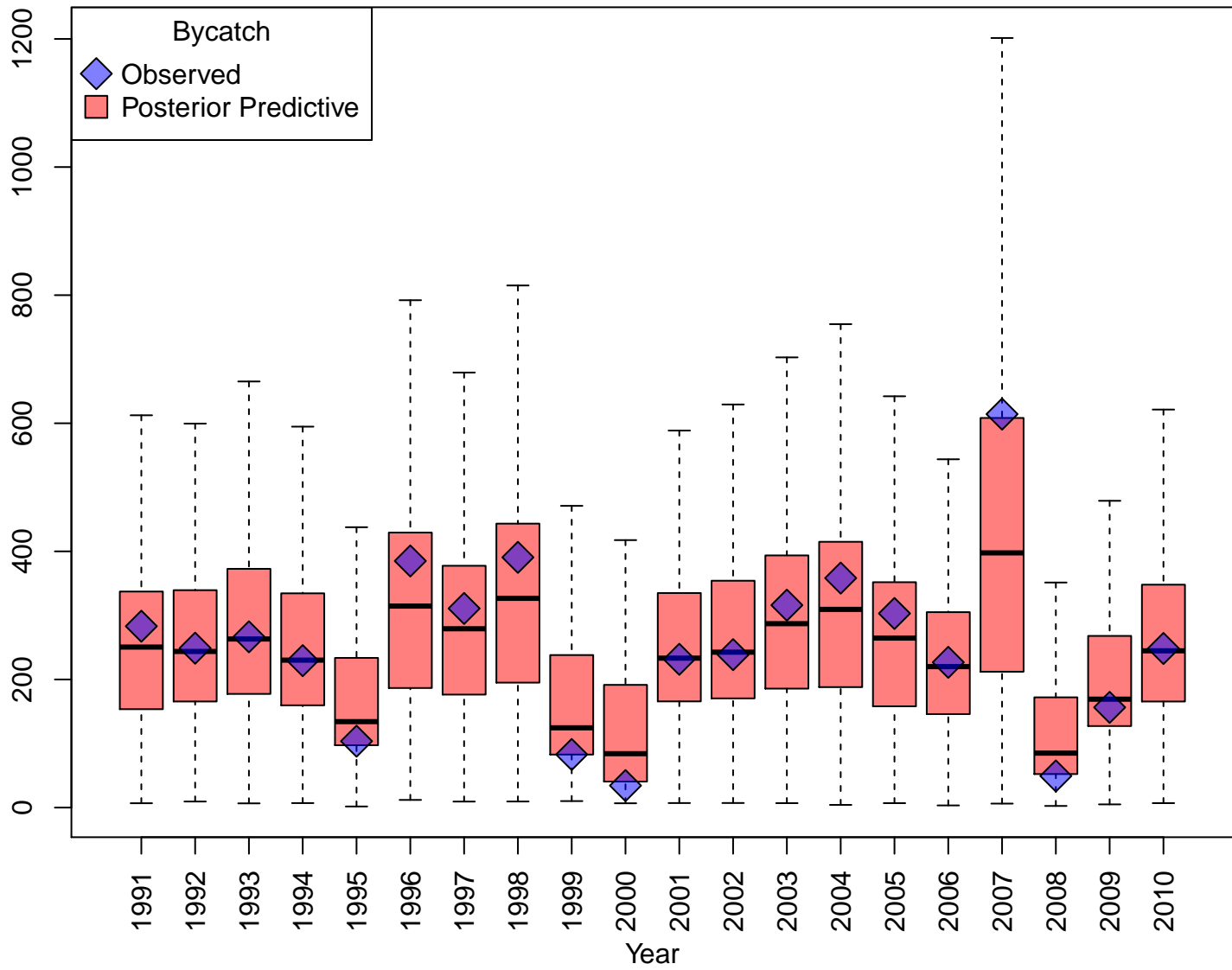




BSAI Chinook Bycatch



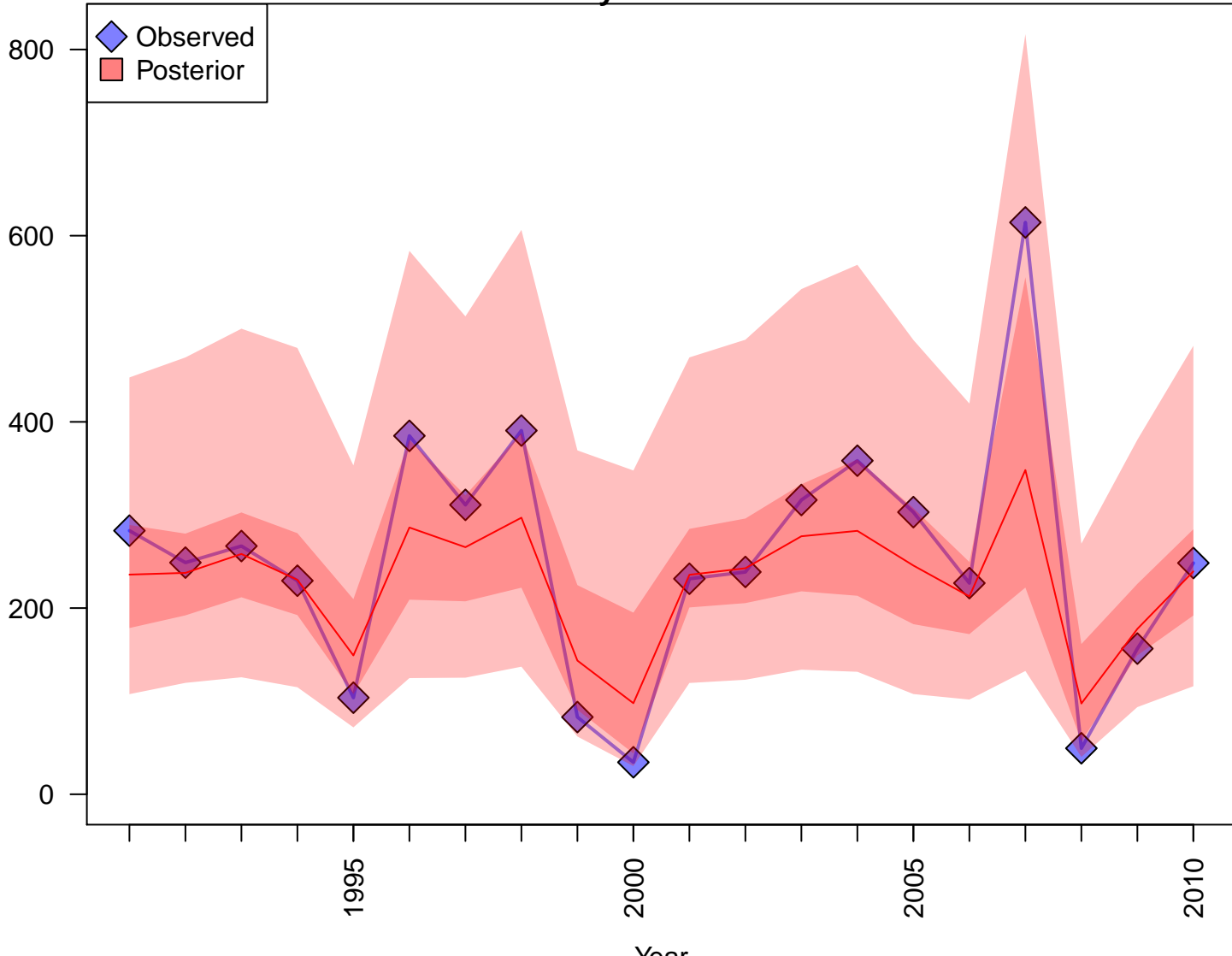
BSAI Chinook Bycatch



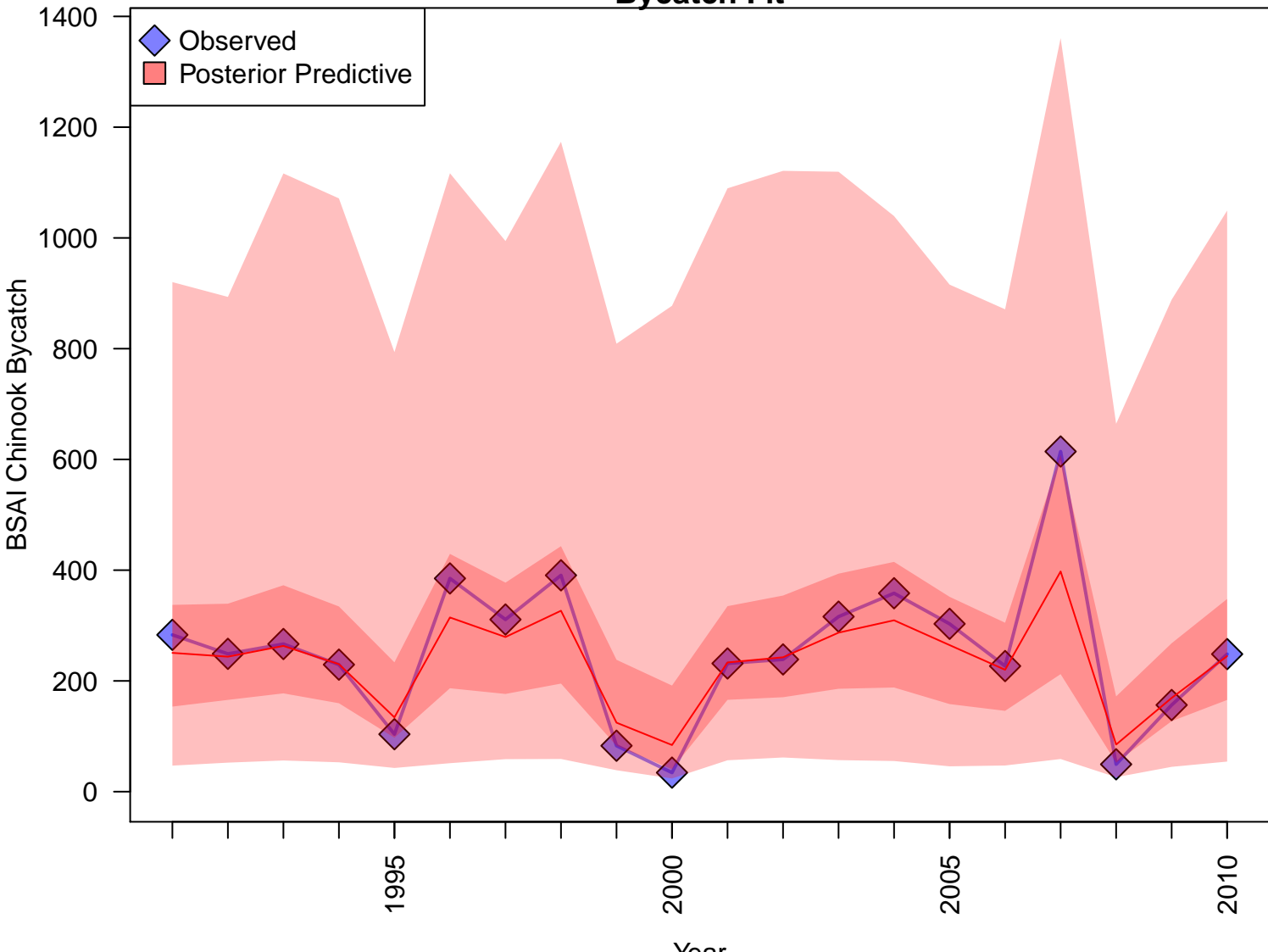


# Bycatch Fit

BSAI Chinook Bycatch

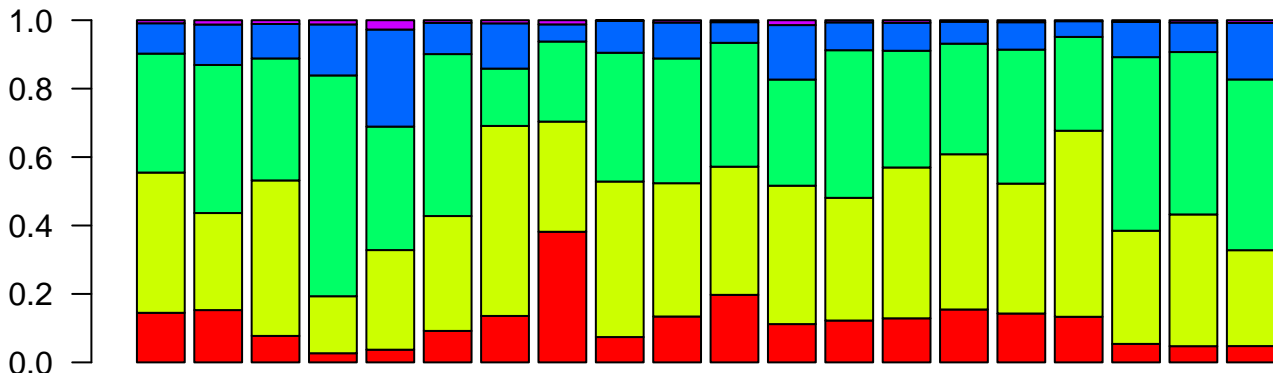


# Bycatch Fit

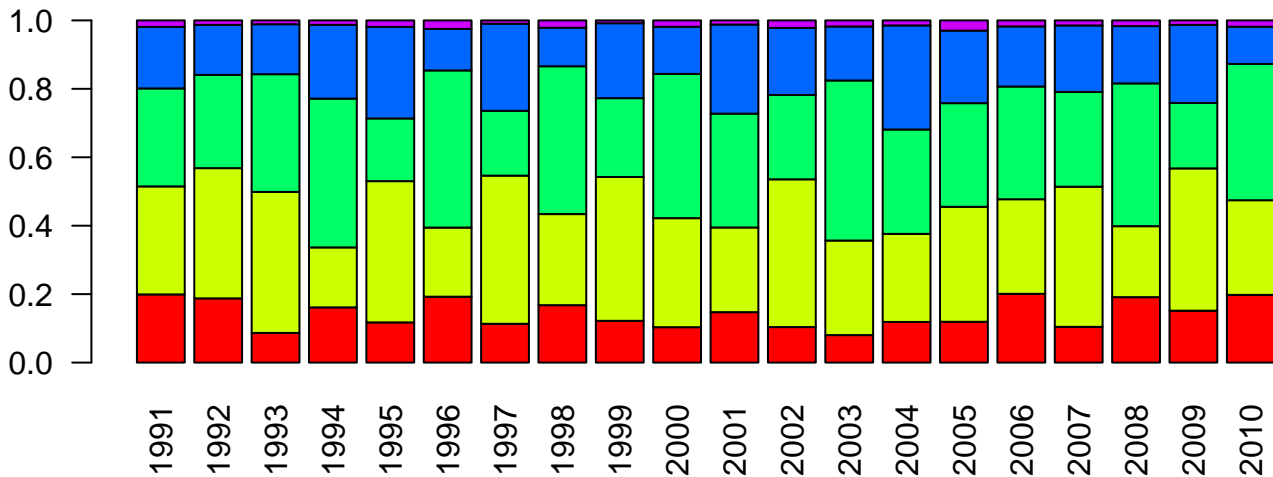


# Age Composition Proportion

Observed



Predicted



Year

# salcha

