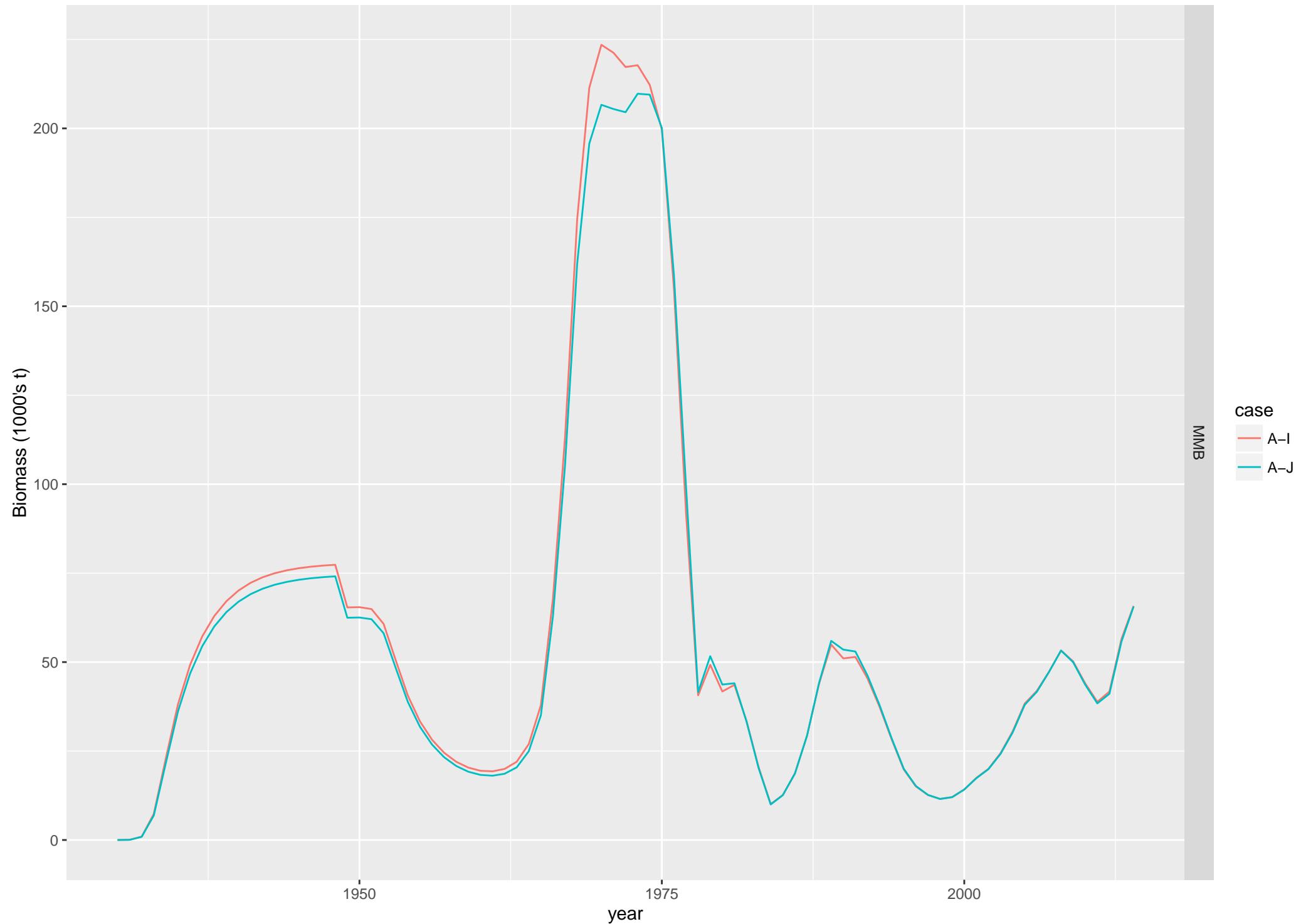
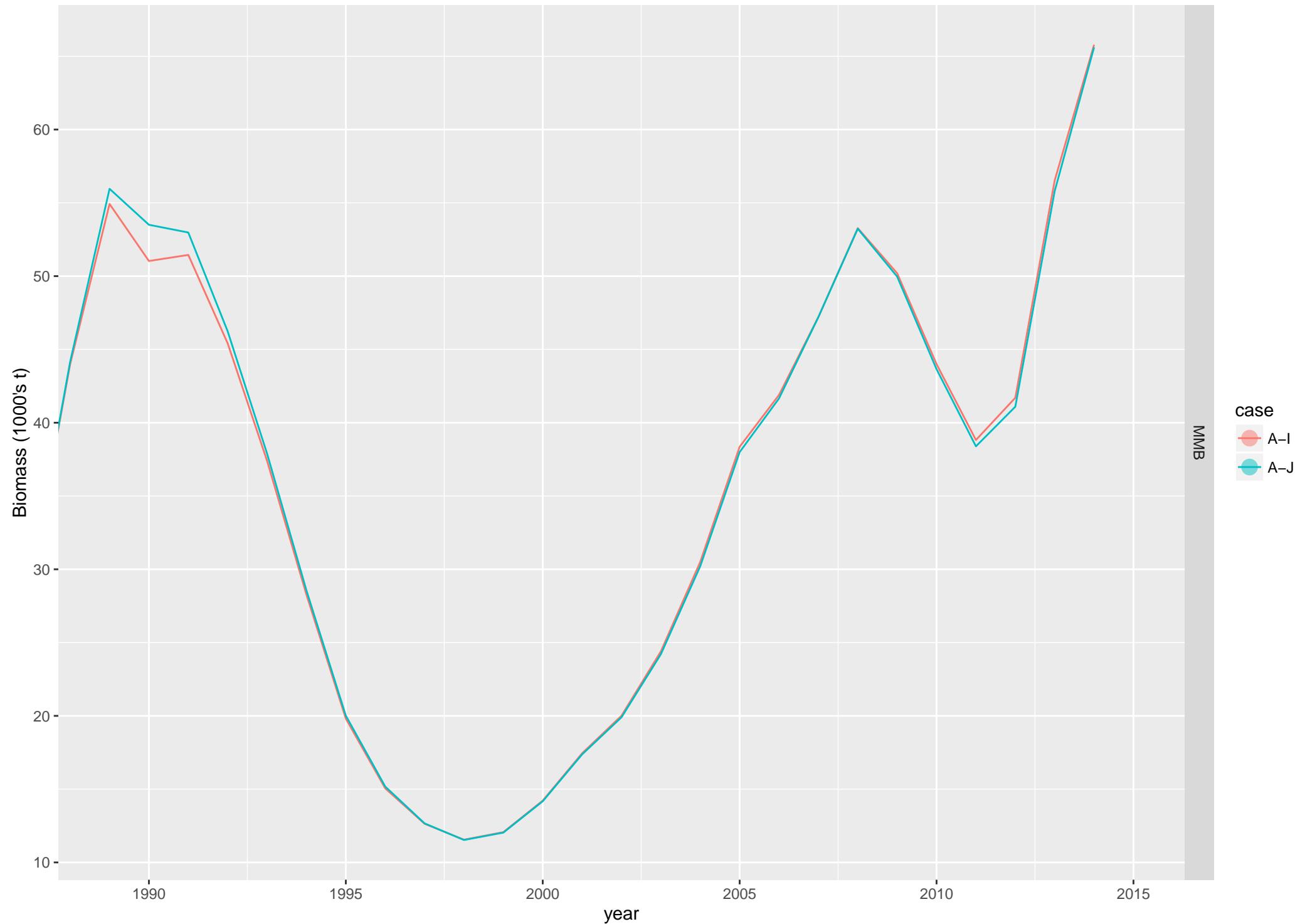


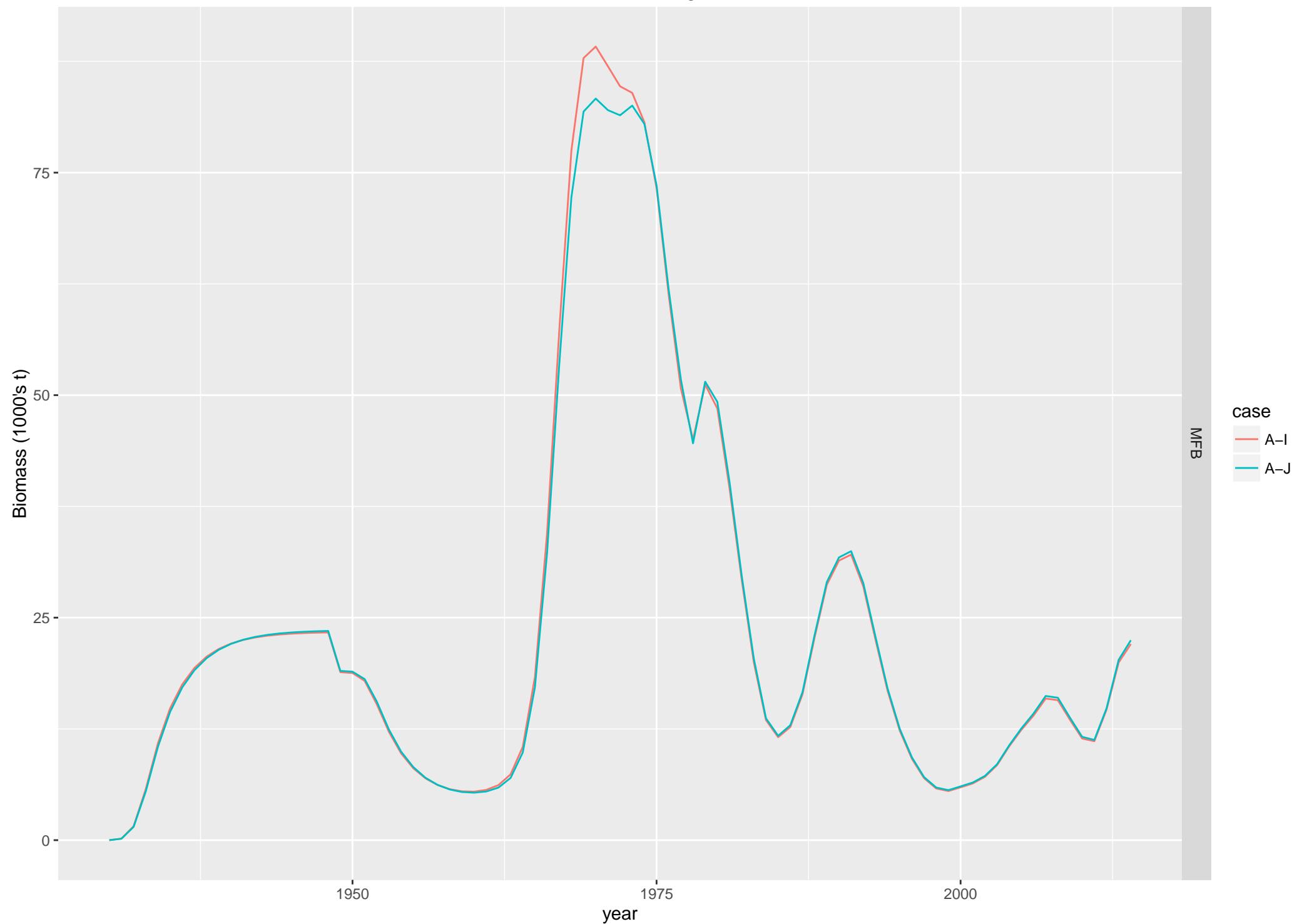
MMB-at-mating



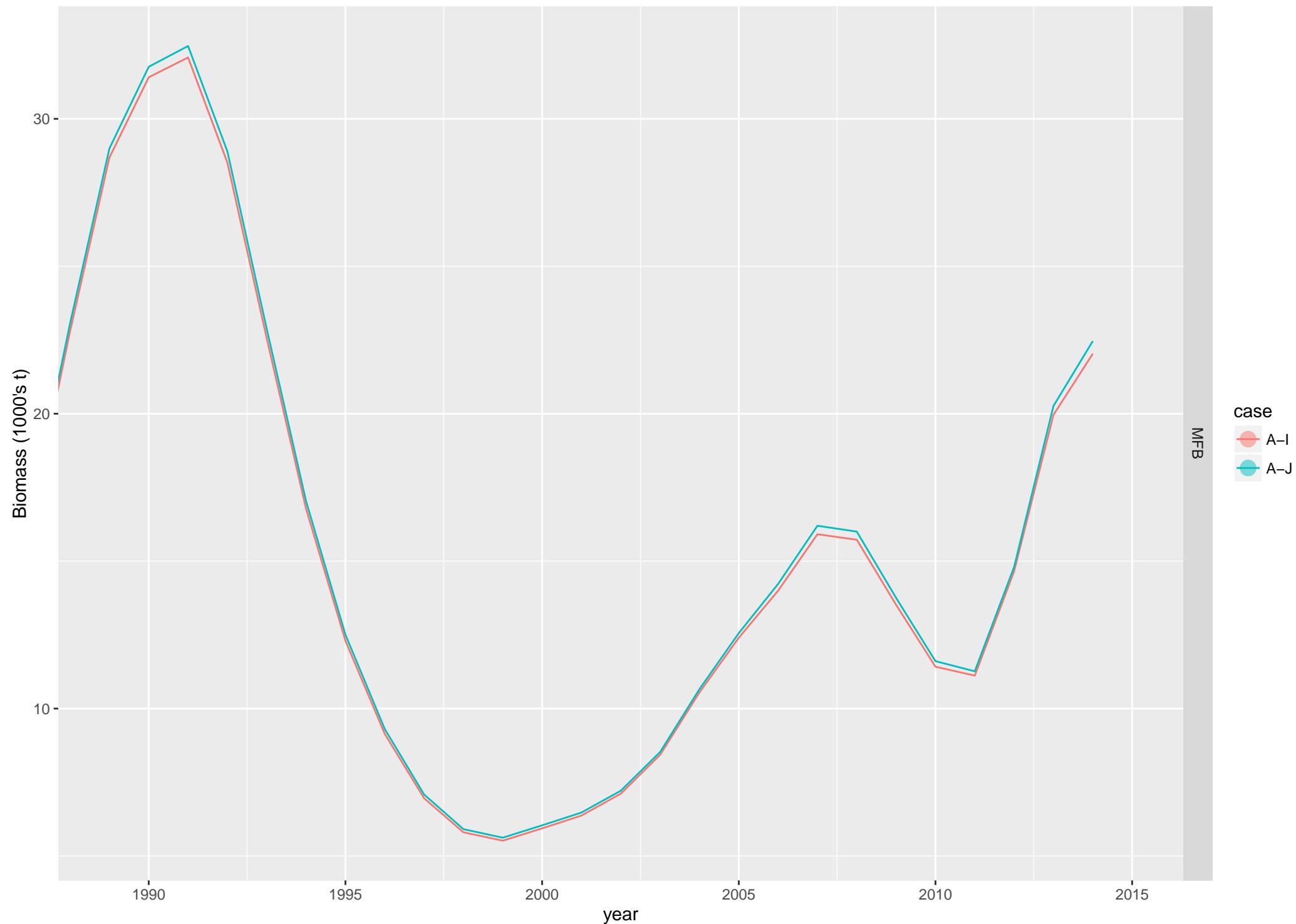
MMB-at-mating



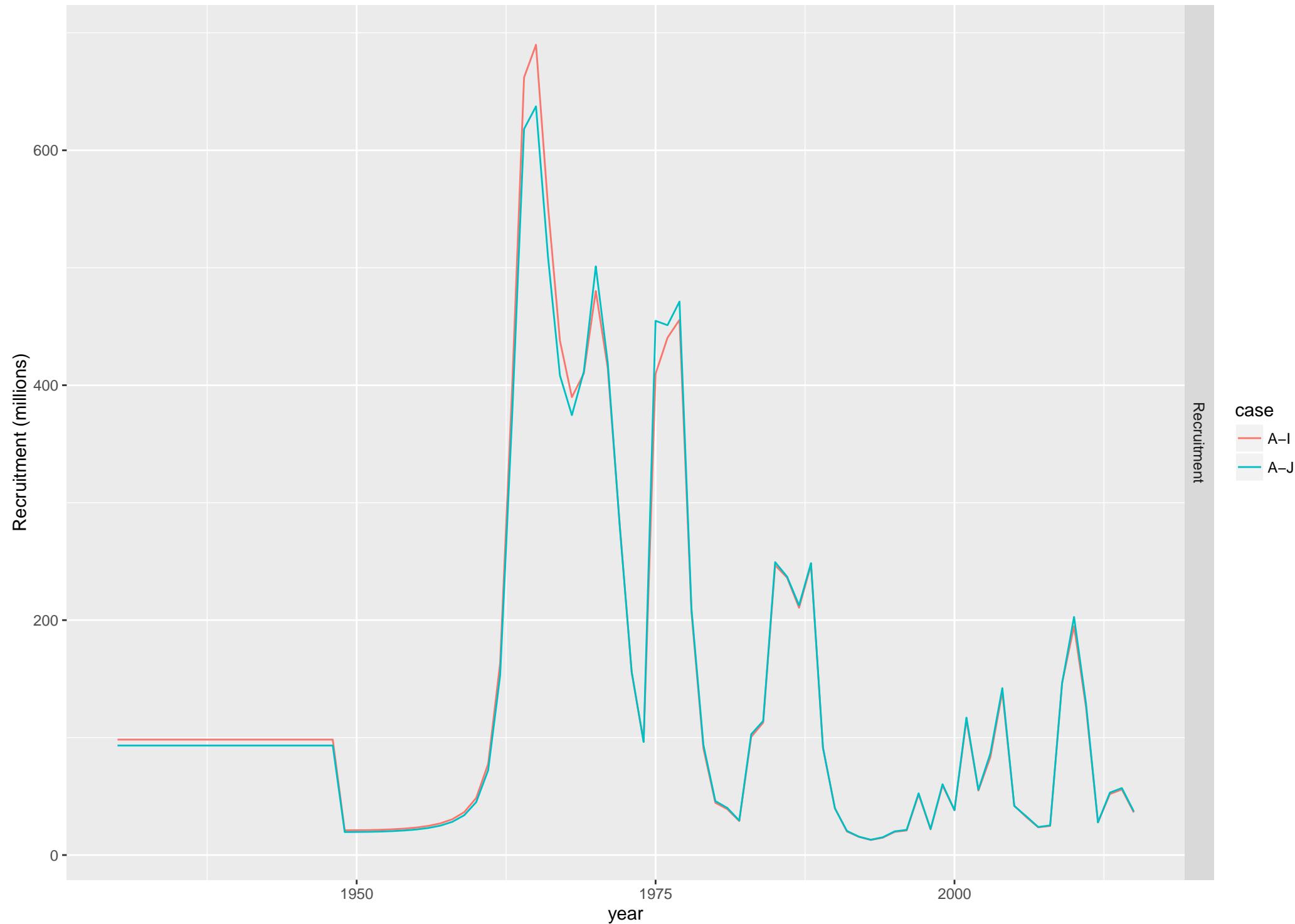
MFB-at-mating



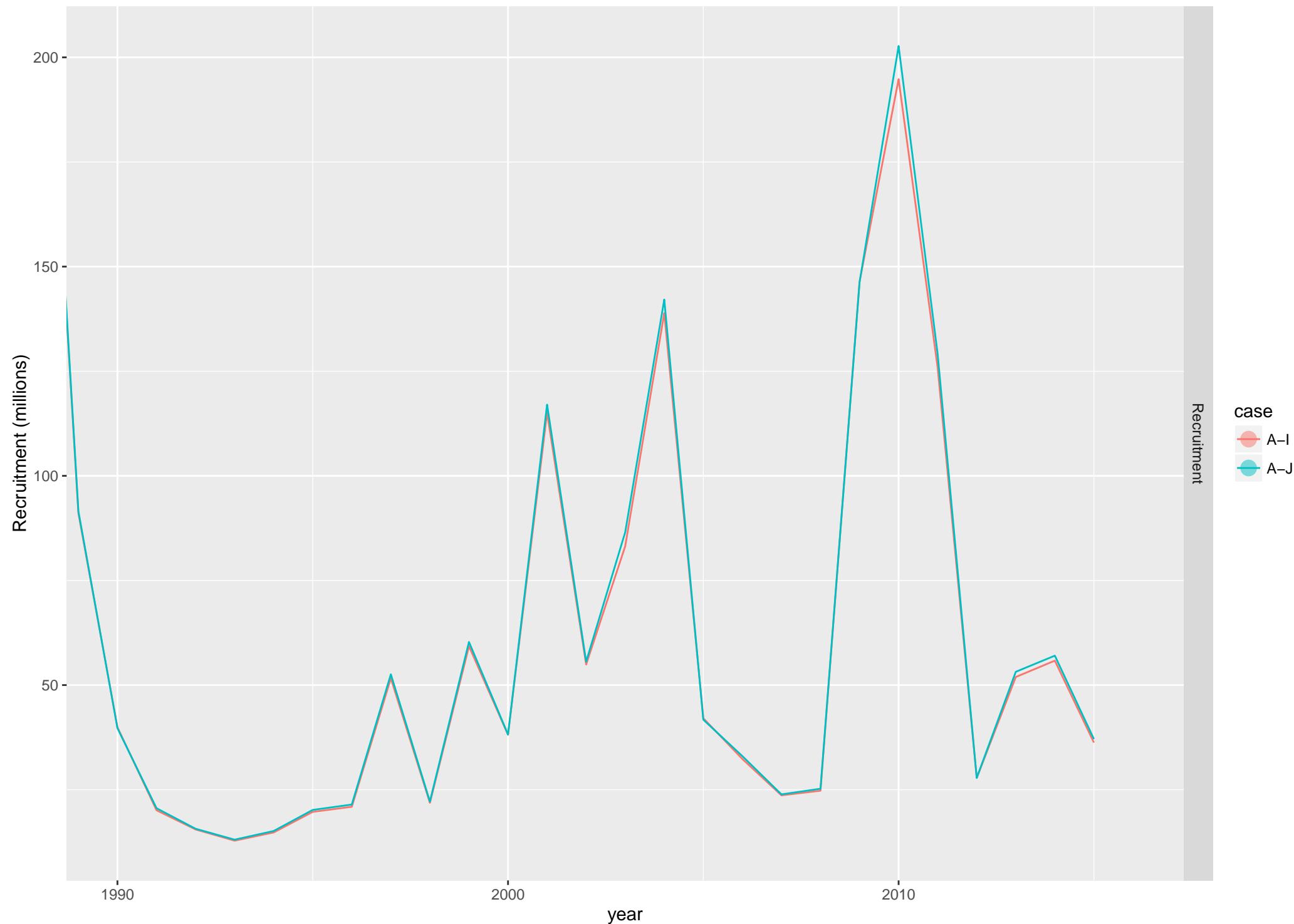
MFB-at-mating



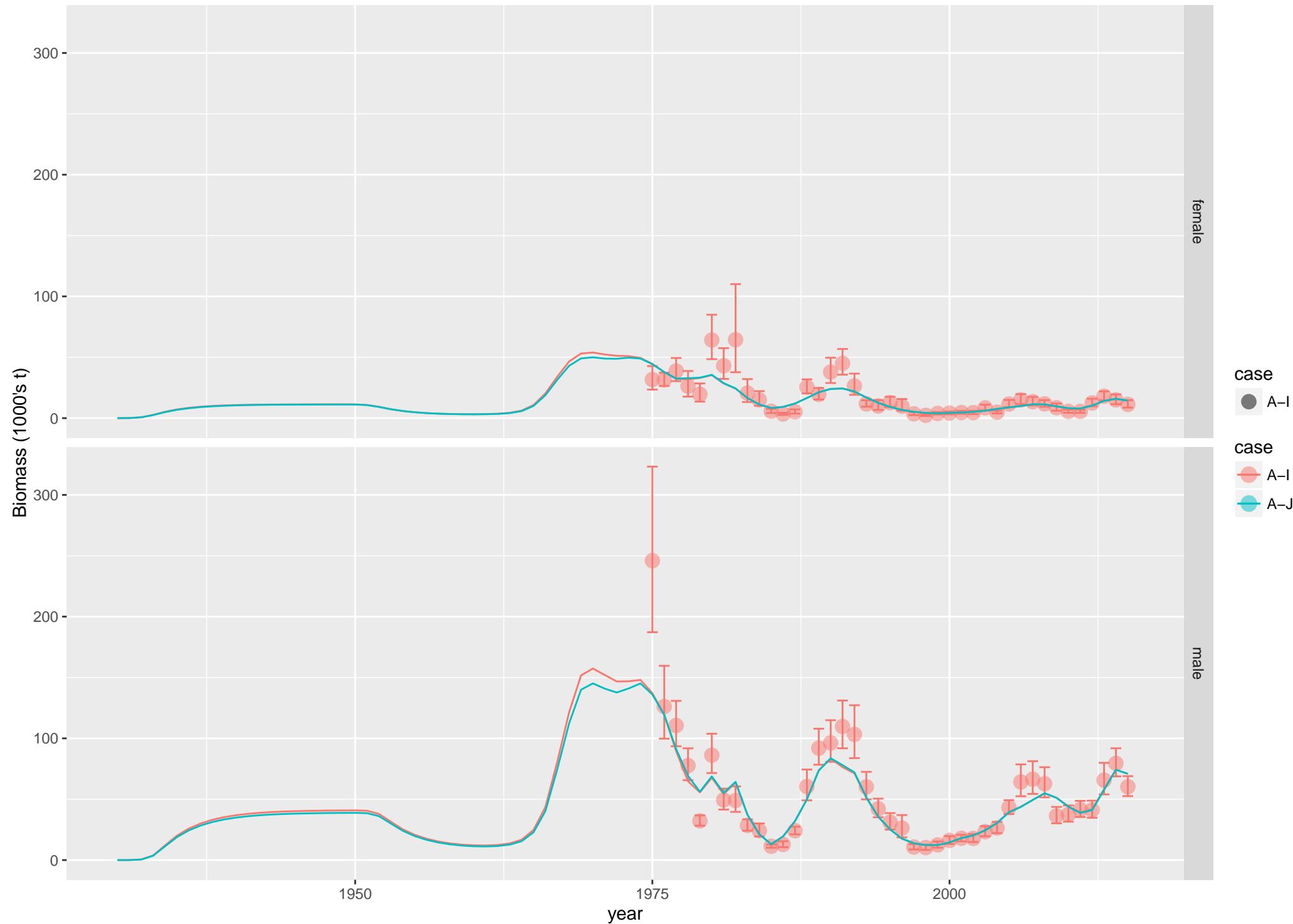
Male Recruitment



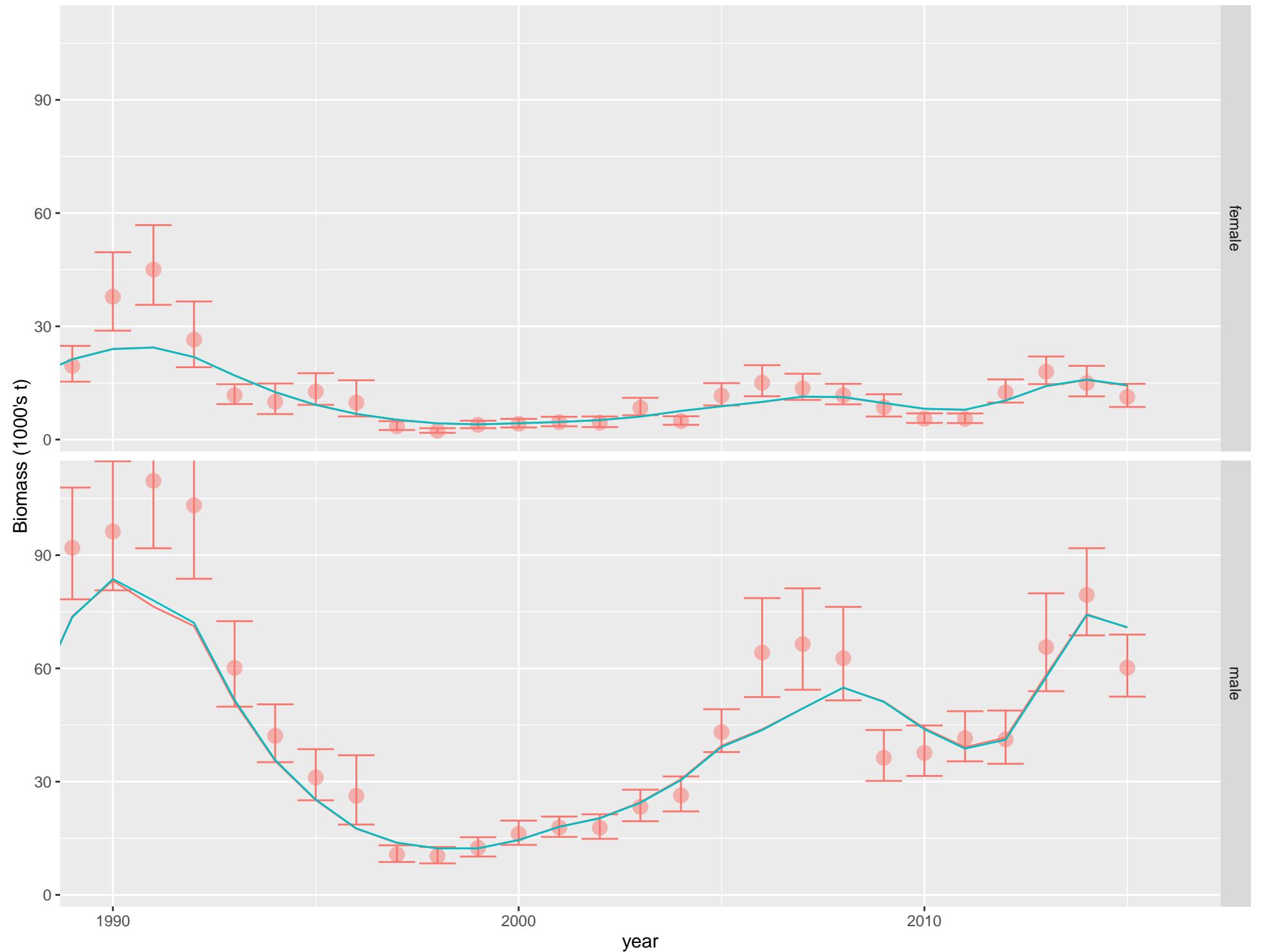
Male Recruitment



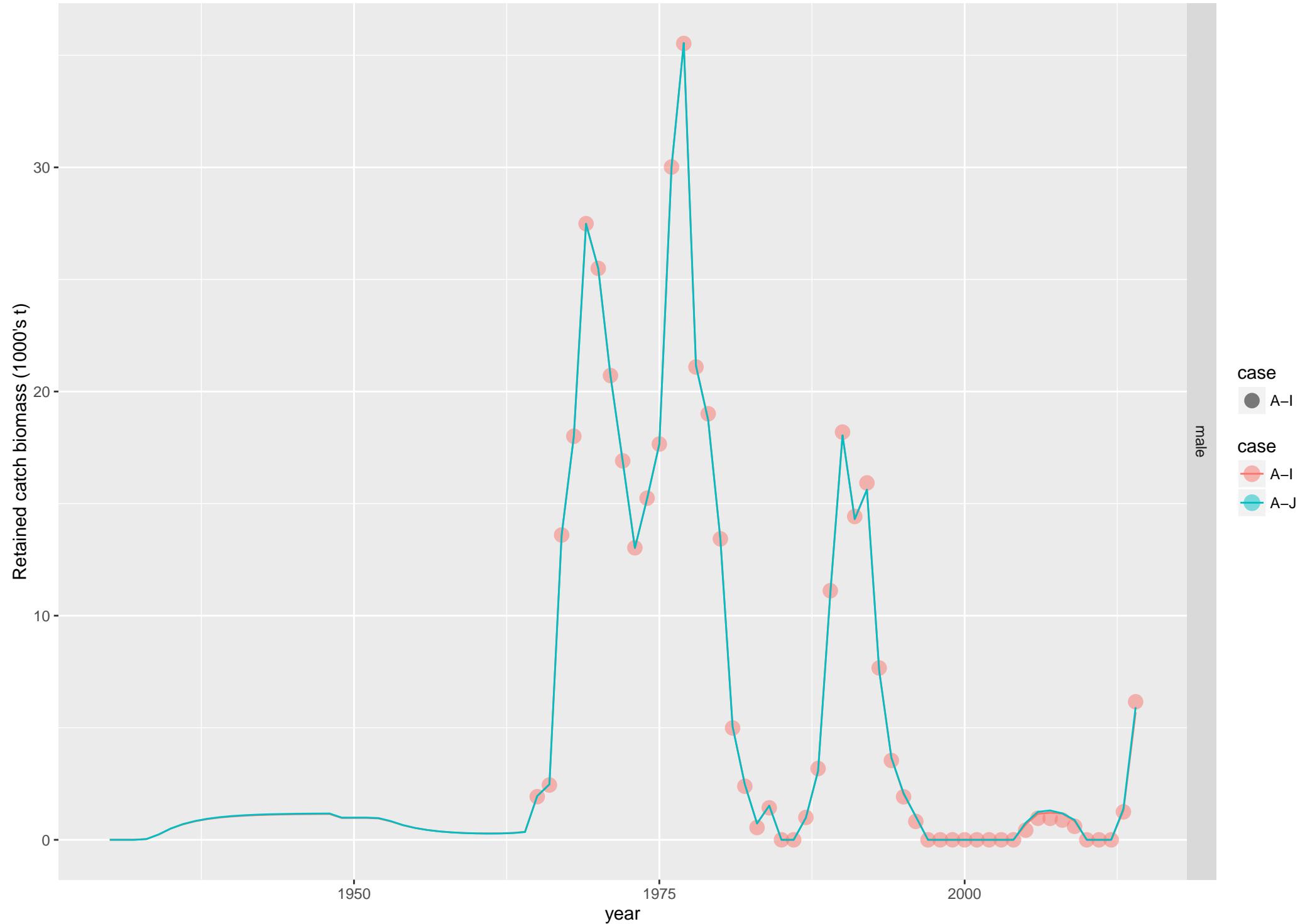
Mature survey biomass



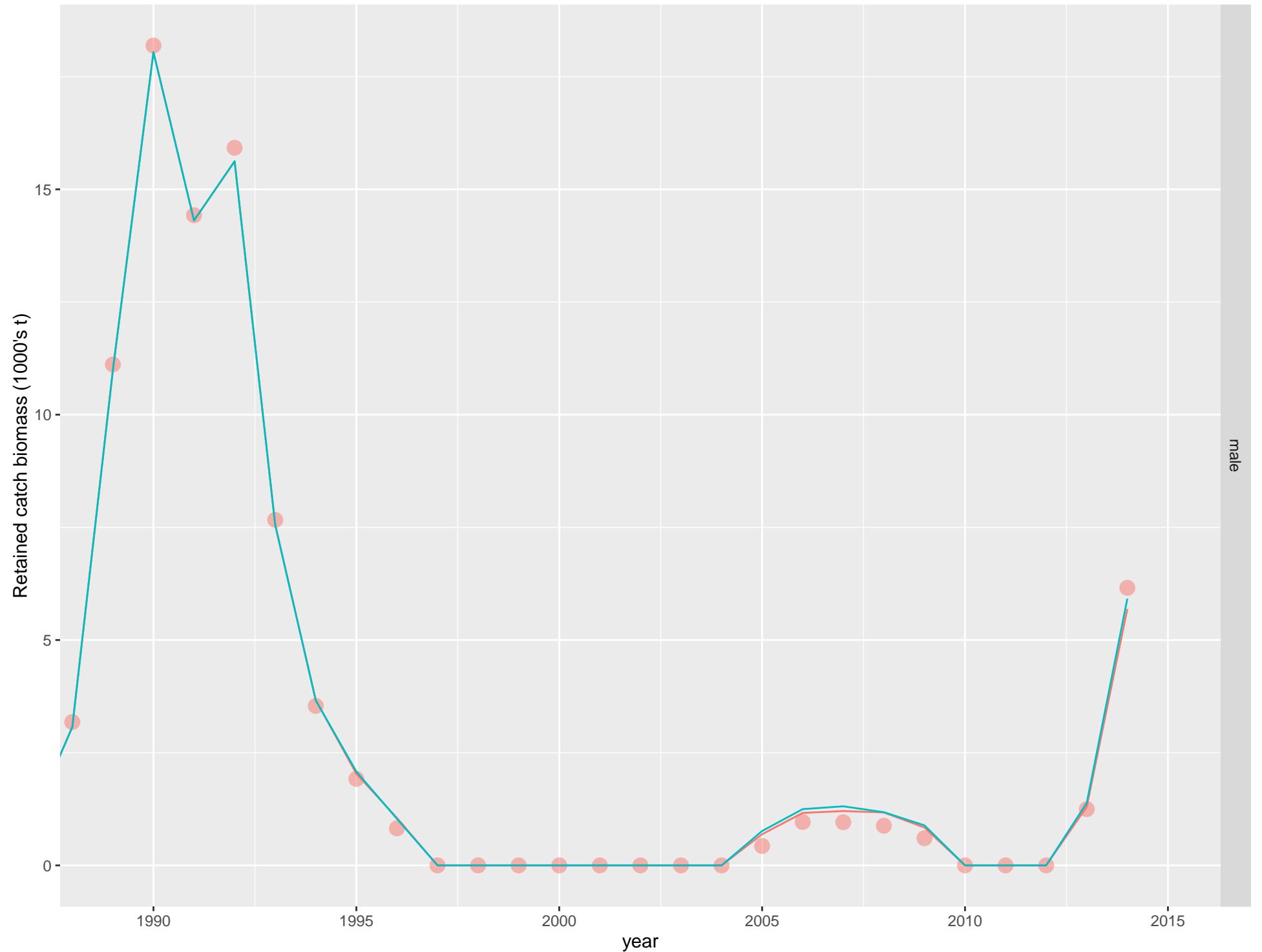
Mature survey biomass



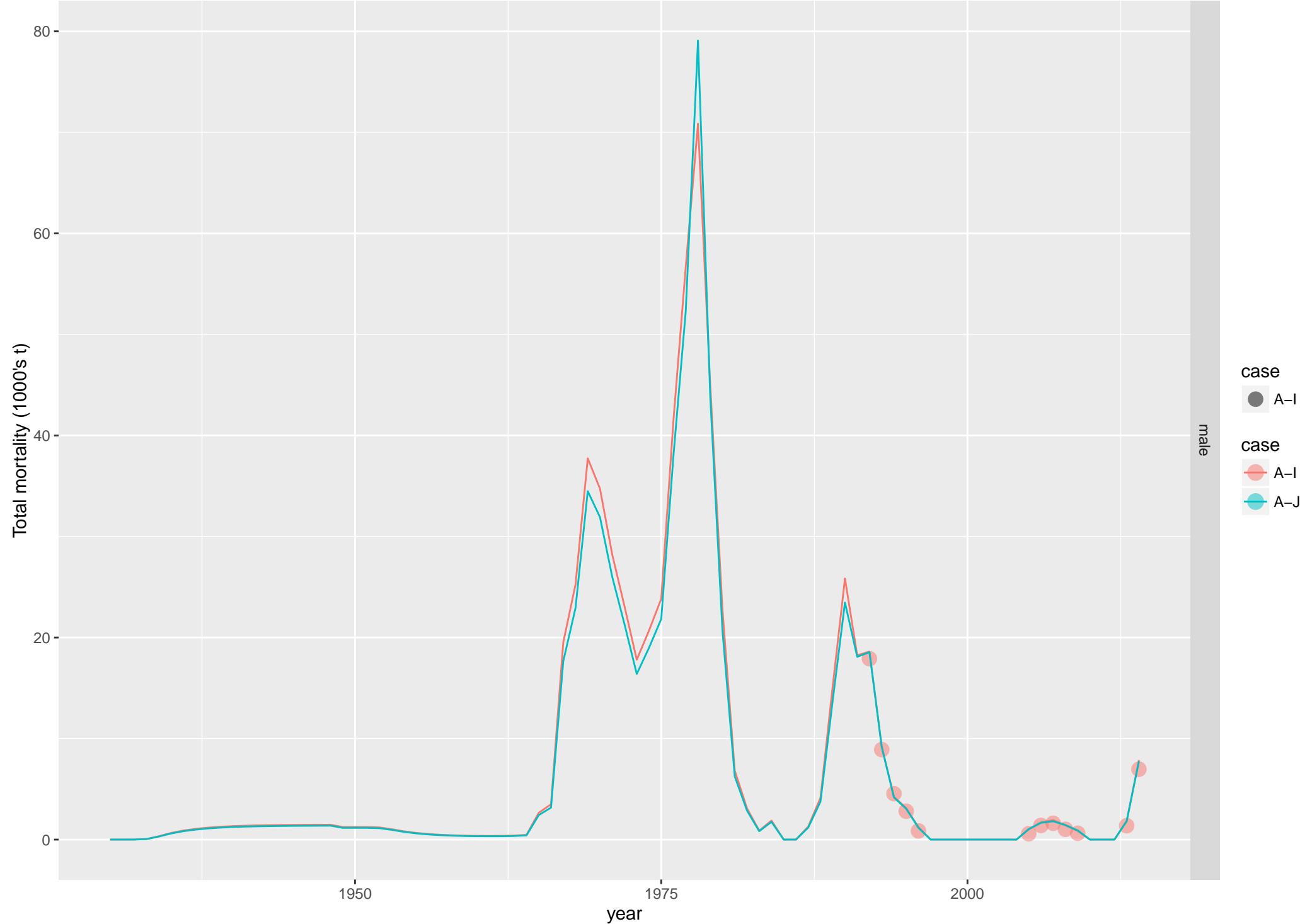
Retained catch biomass



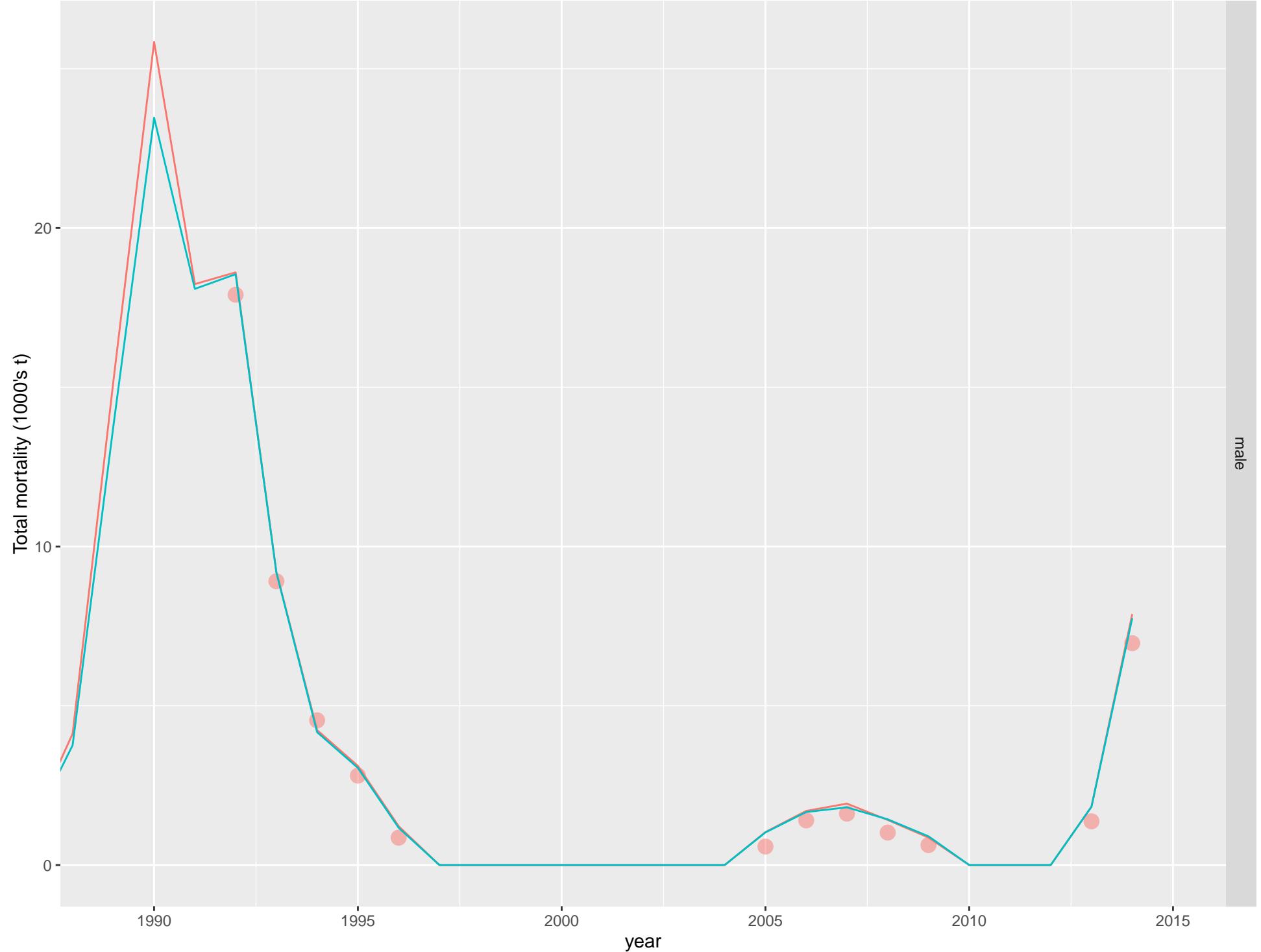
Retained catch biomass



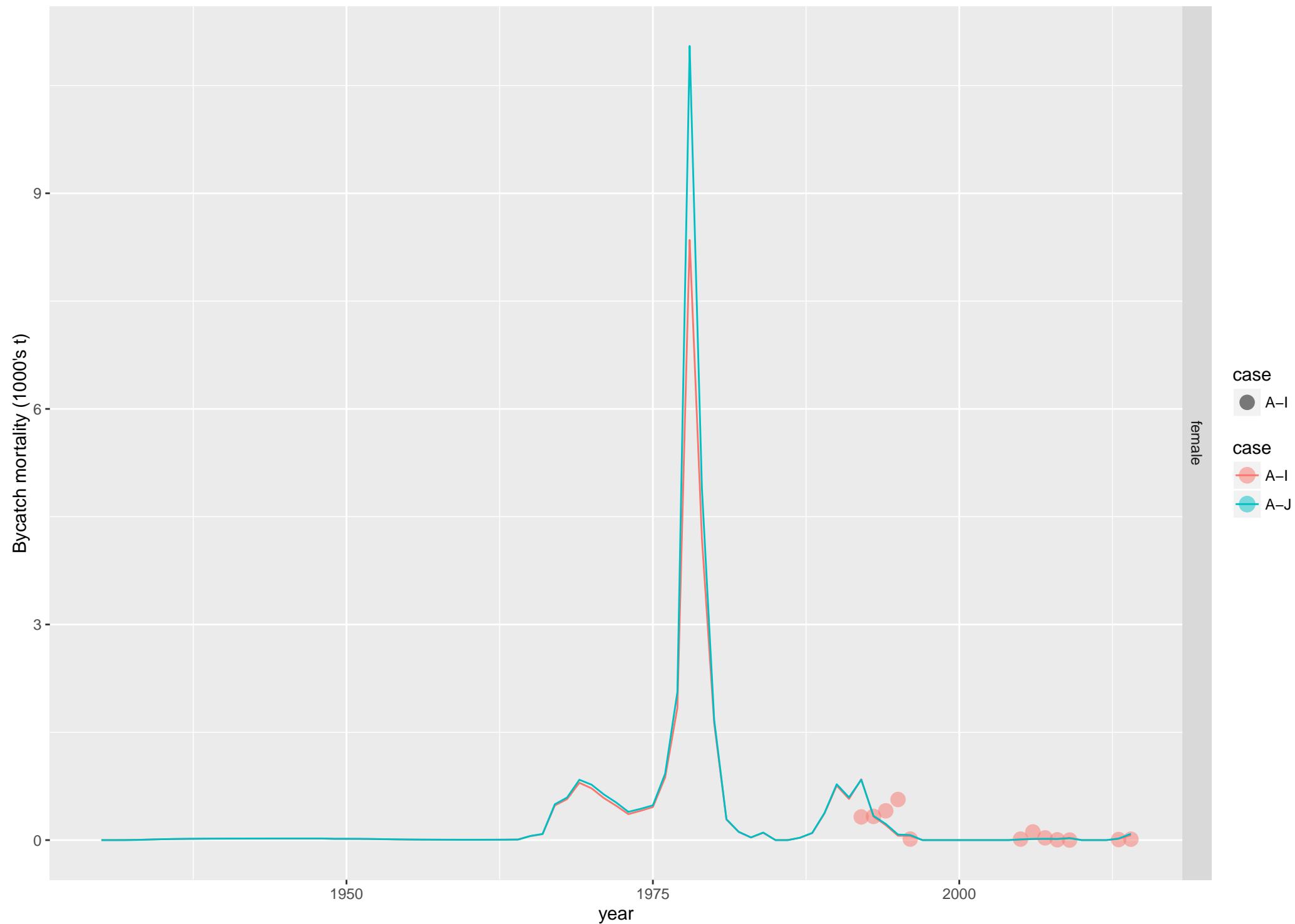
Males, directed fishery



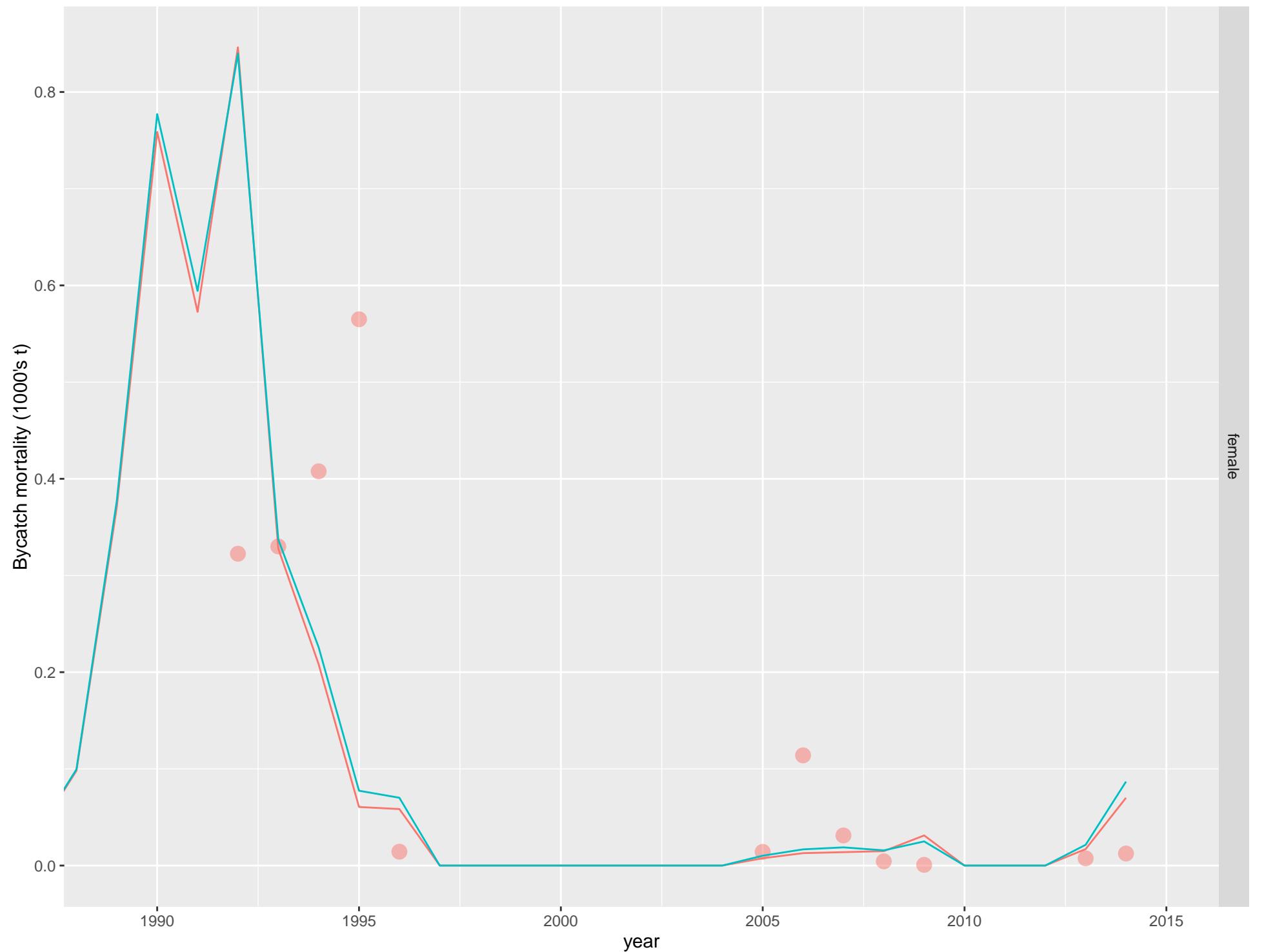
Males, directed fishery



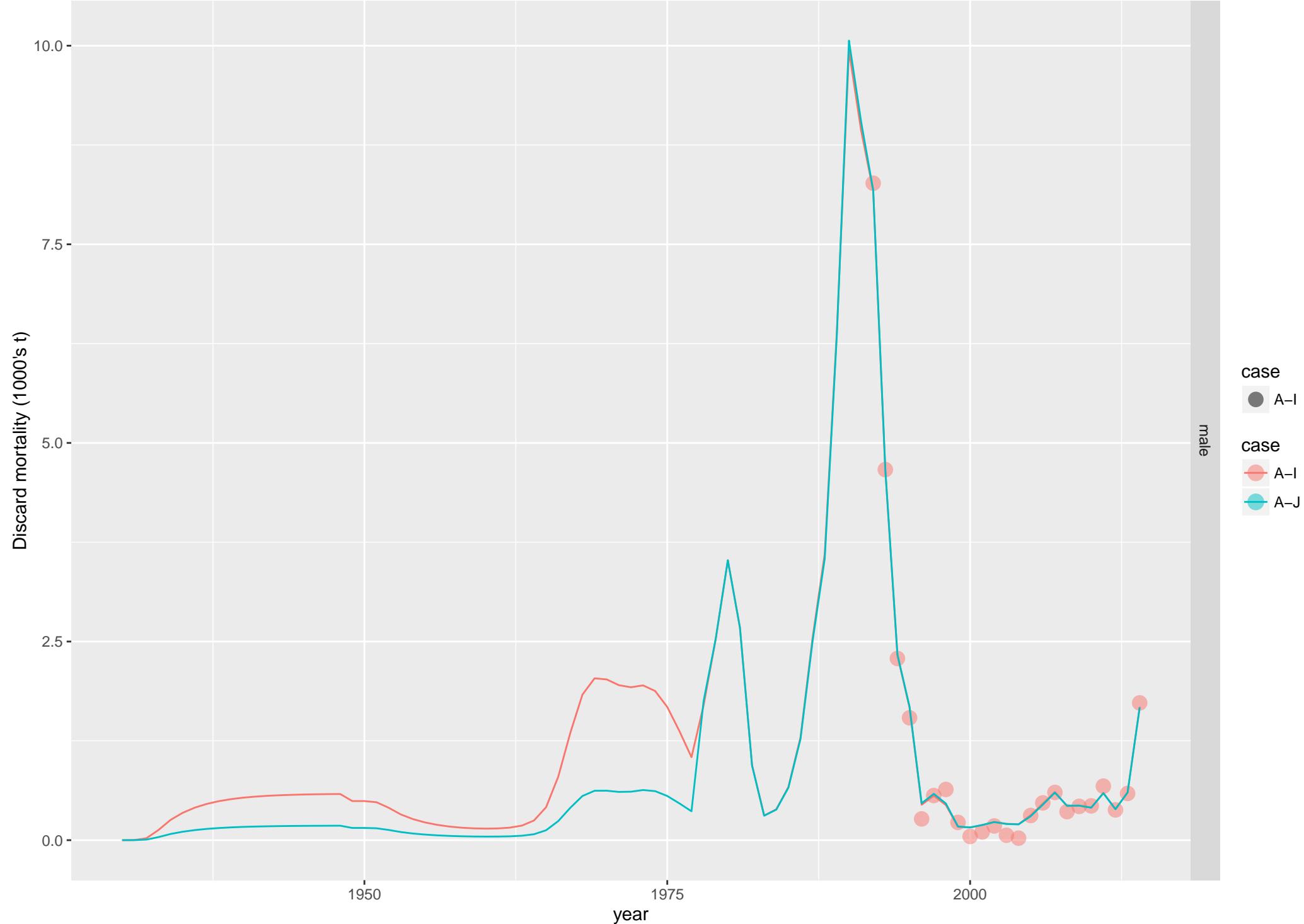
Females, directed fishery



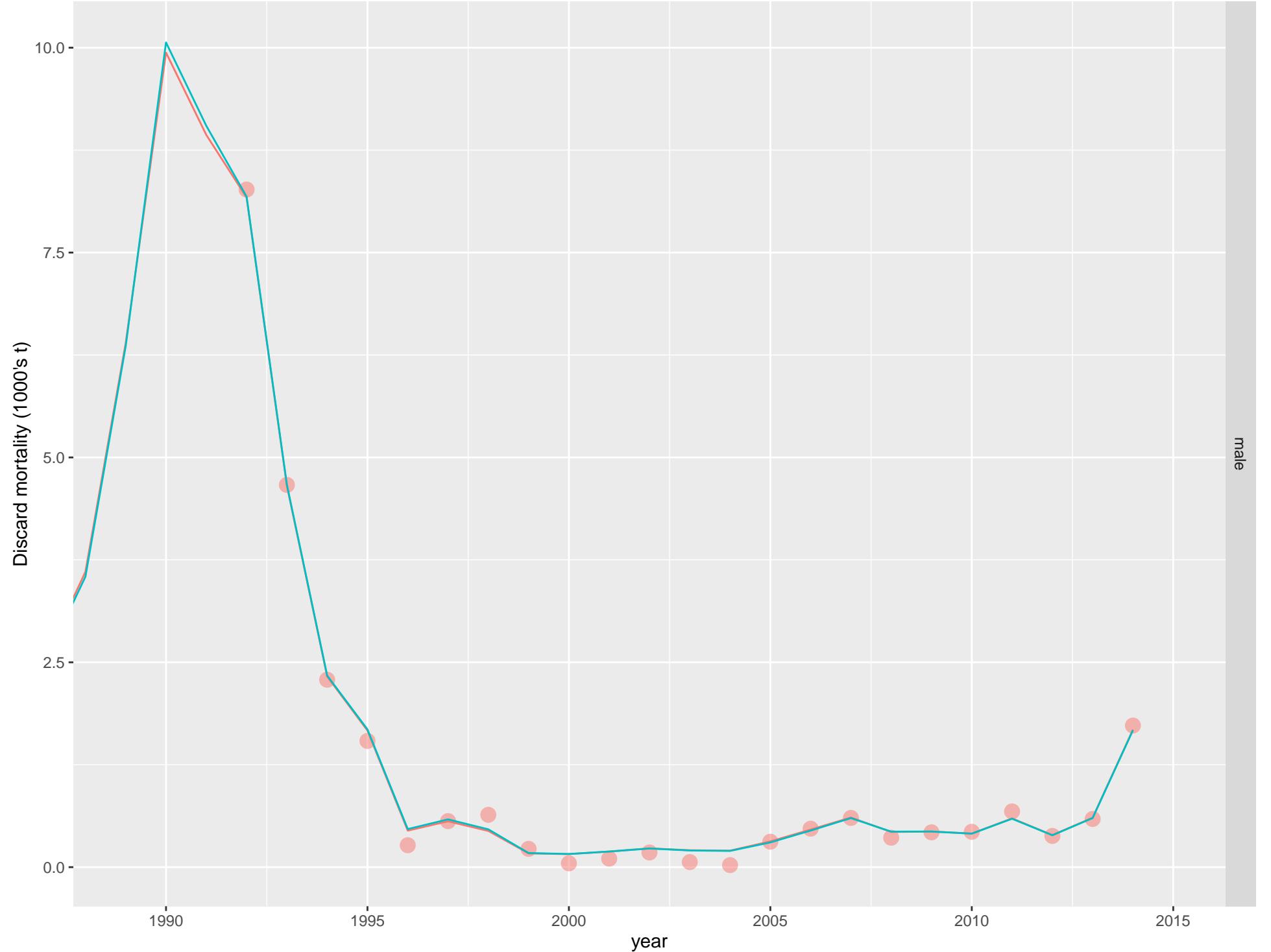
Females, directed fishery



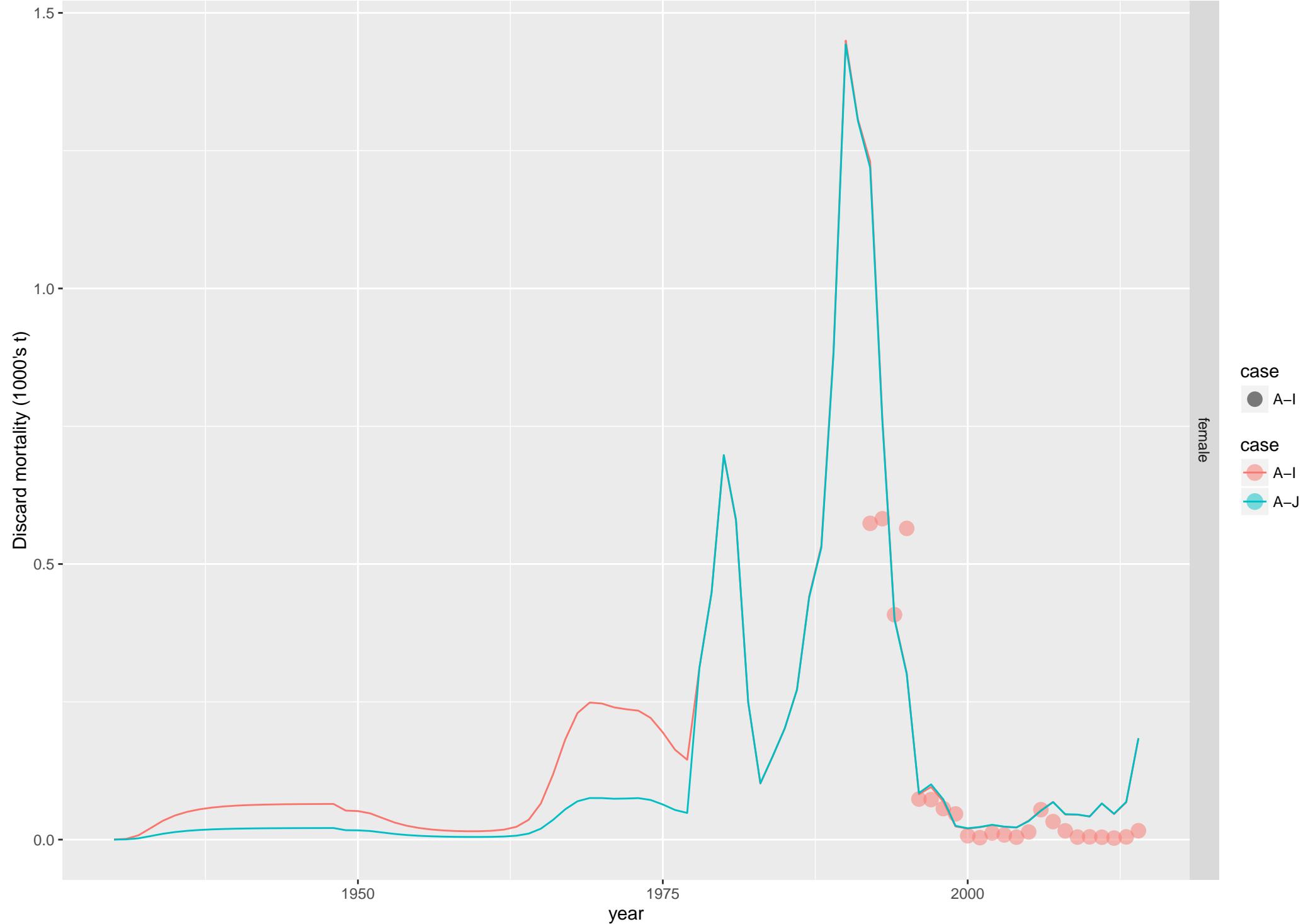
Males, snow crab fishery bycatch mortality



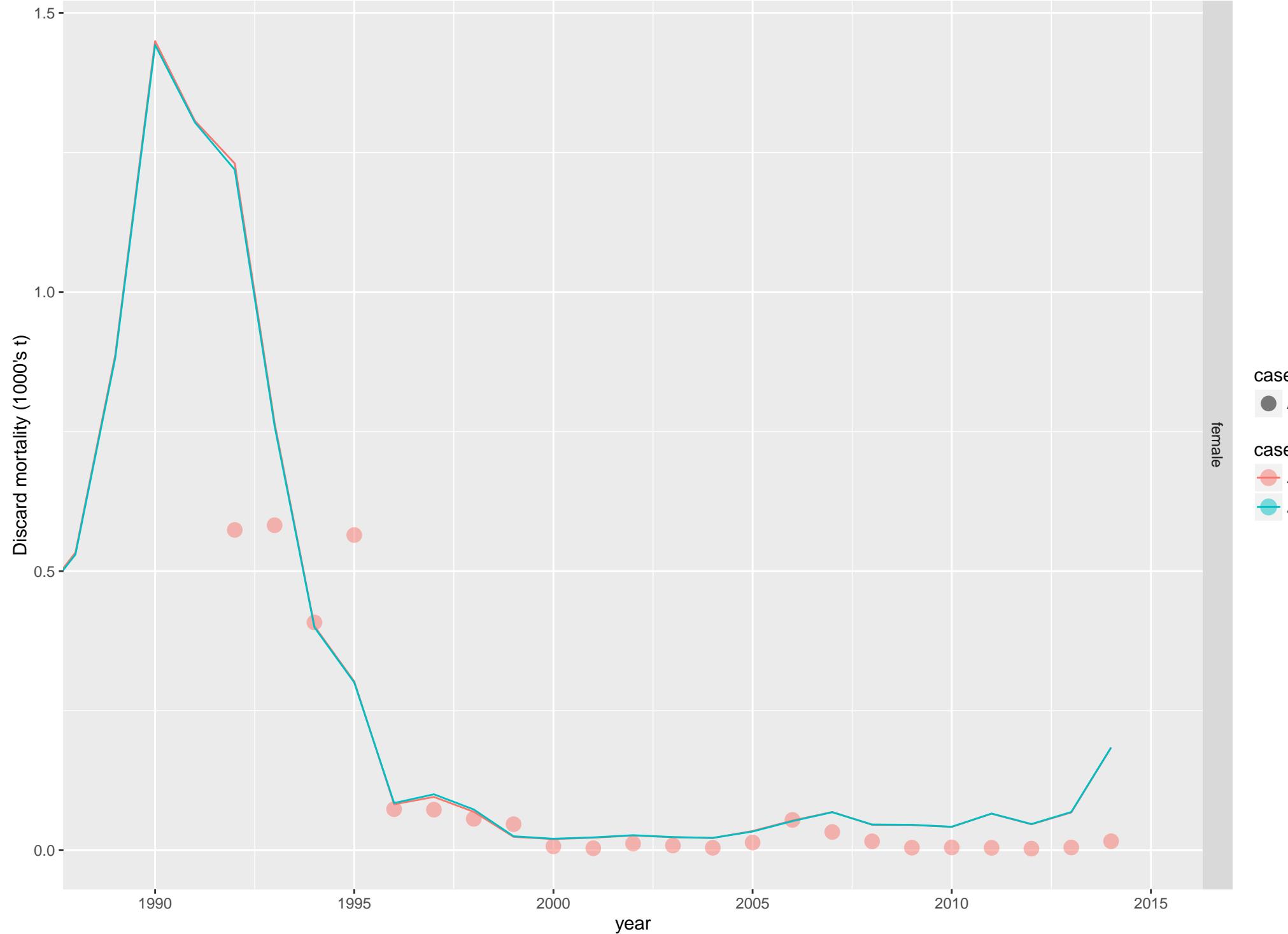
Males, snow crab fishery bycatch mortality



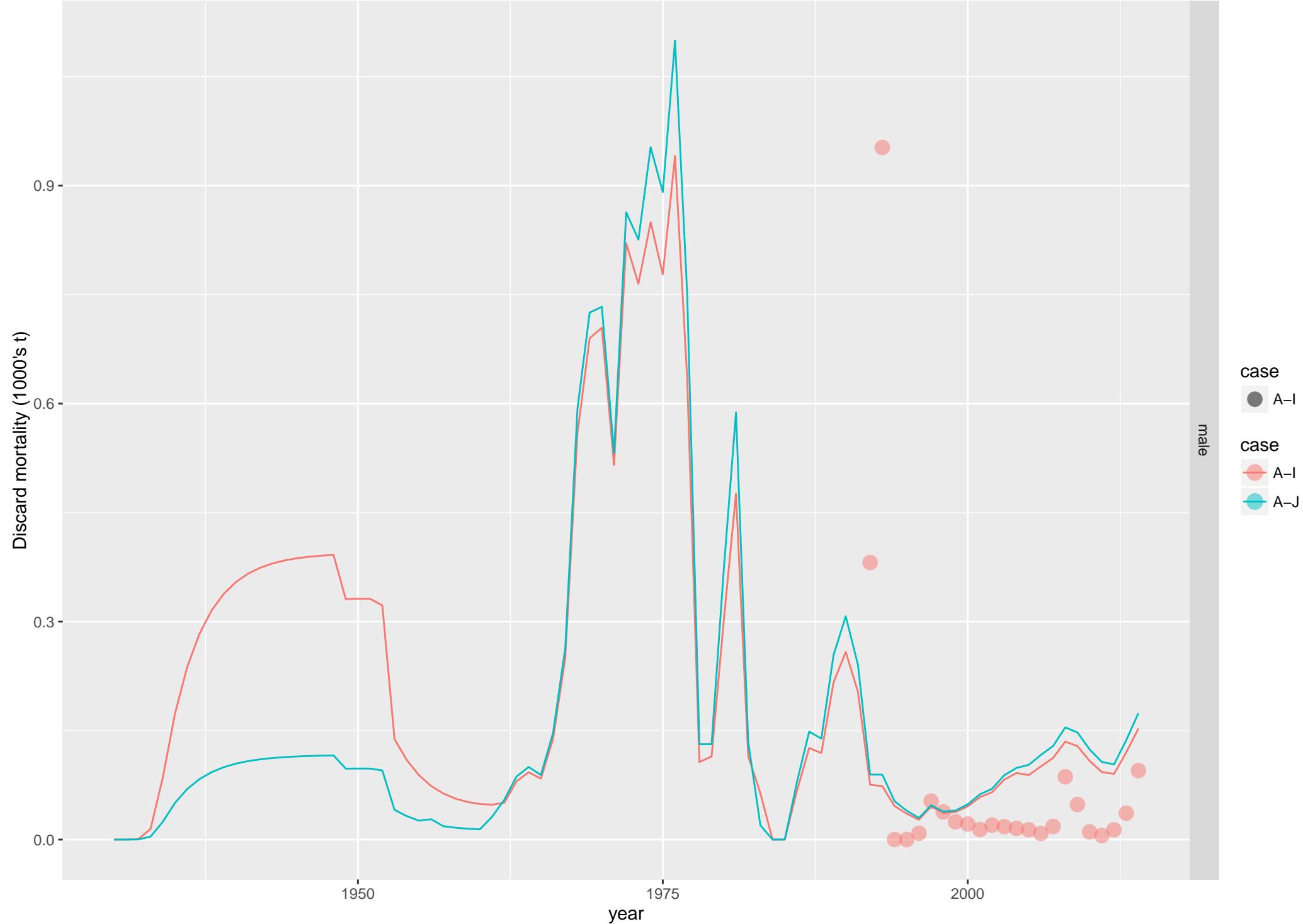
Females, snow crab fishery bycatch mortality



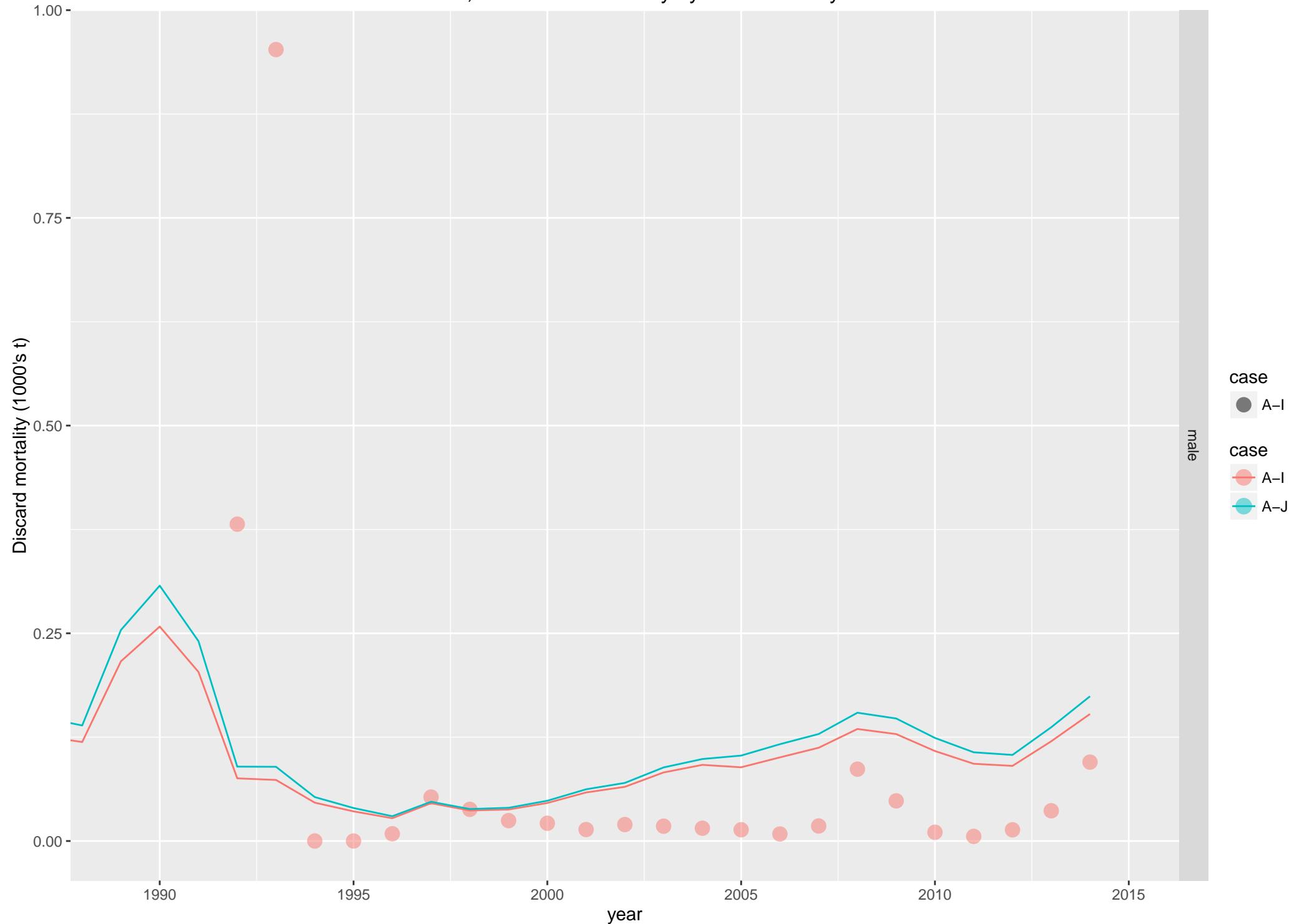
Females, snow crab fishery bycatch mortality



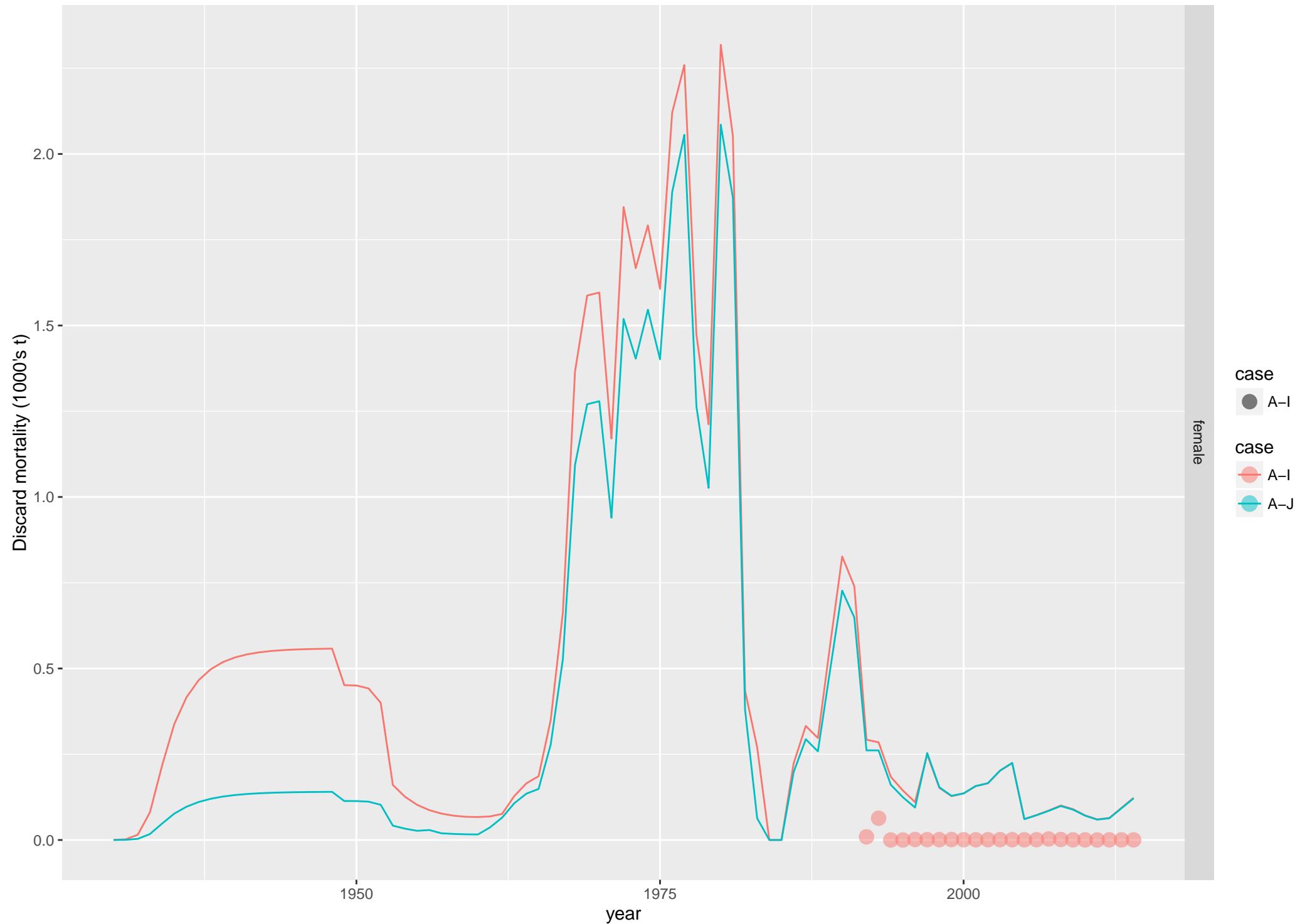
Males, BBRKC crab fishery bycatch mortality



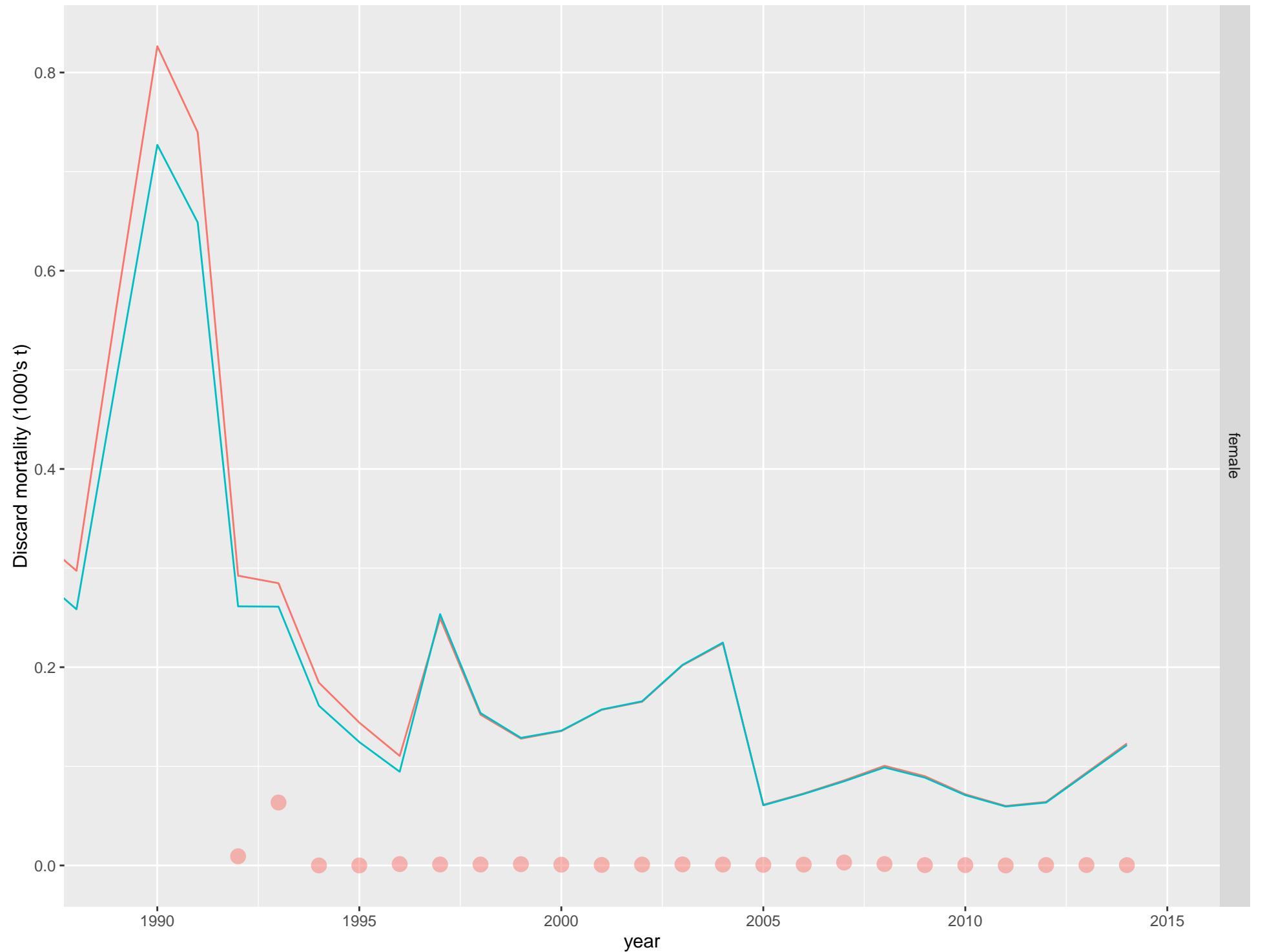
Males, BBRKC crab fishery bycatch mortality



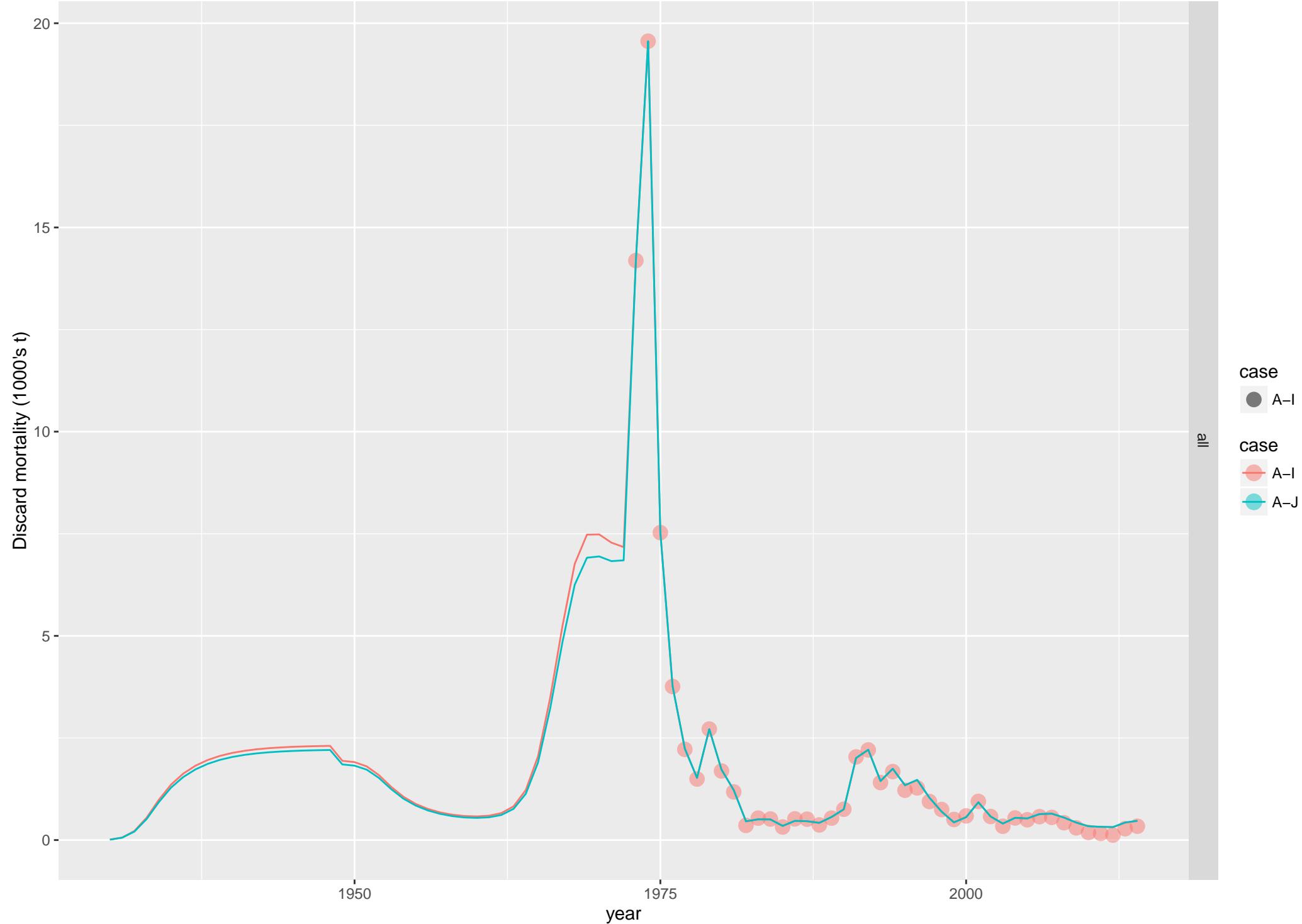
Females, BBRKC fishery bycatch mortality



Females, BBRKC fishery bycatch mortality



Groundfish fisheries bycatch mortality

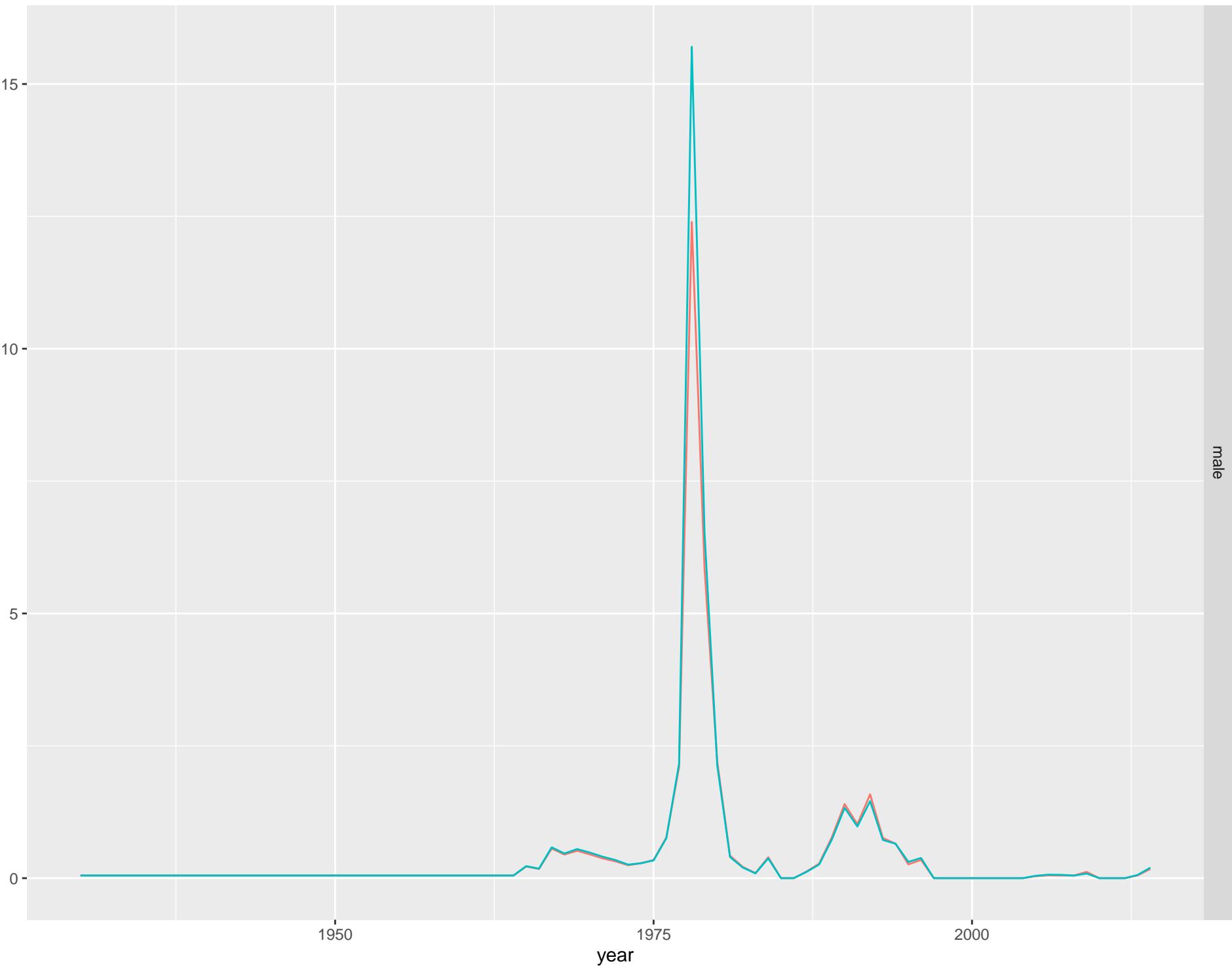


Groundfish fisheries bycatch mortality



Males, retained fishing mortality rate

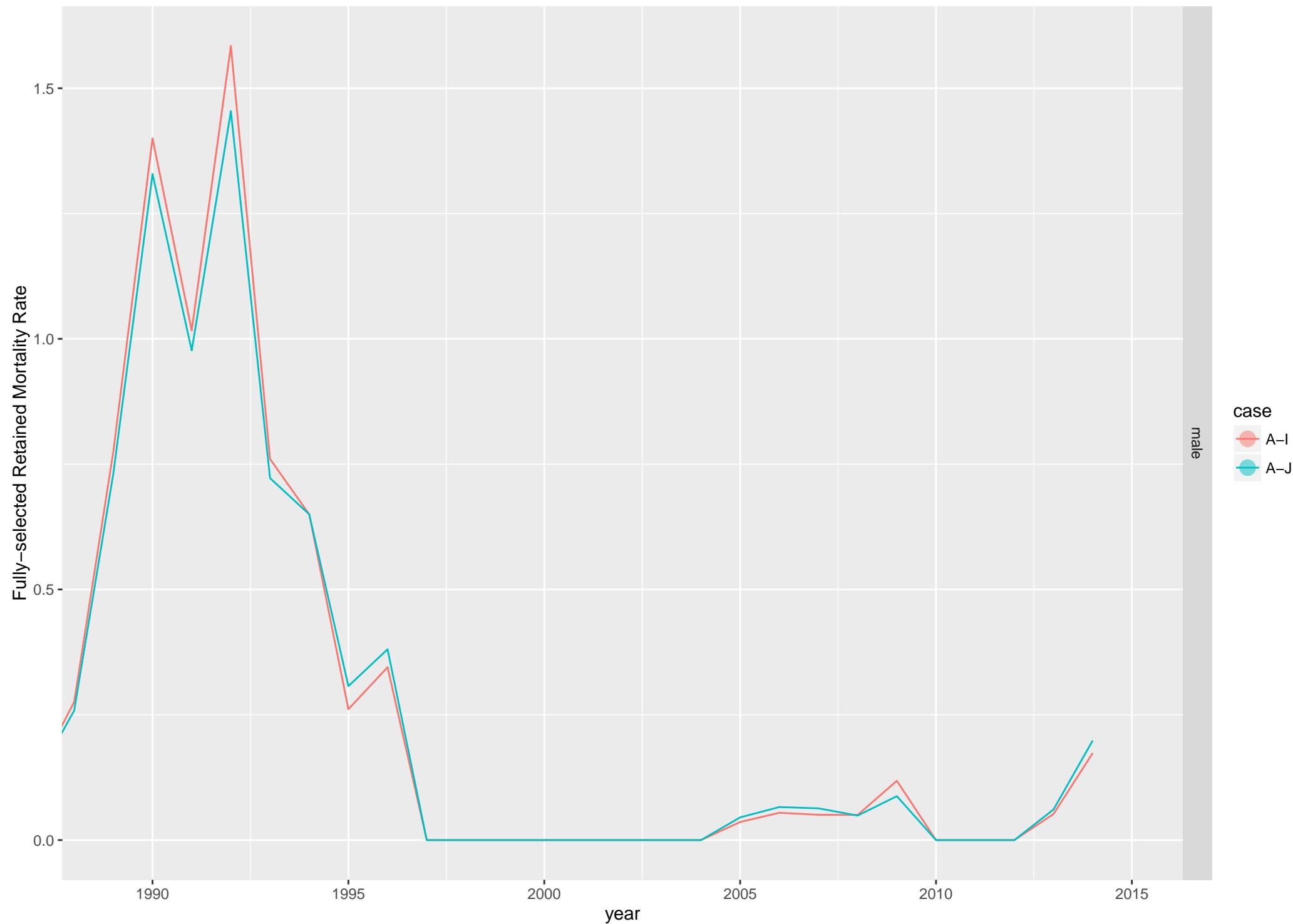
Fully-selected Retained Mortality Rate



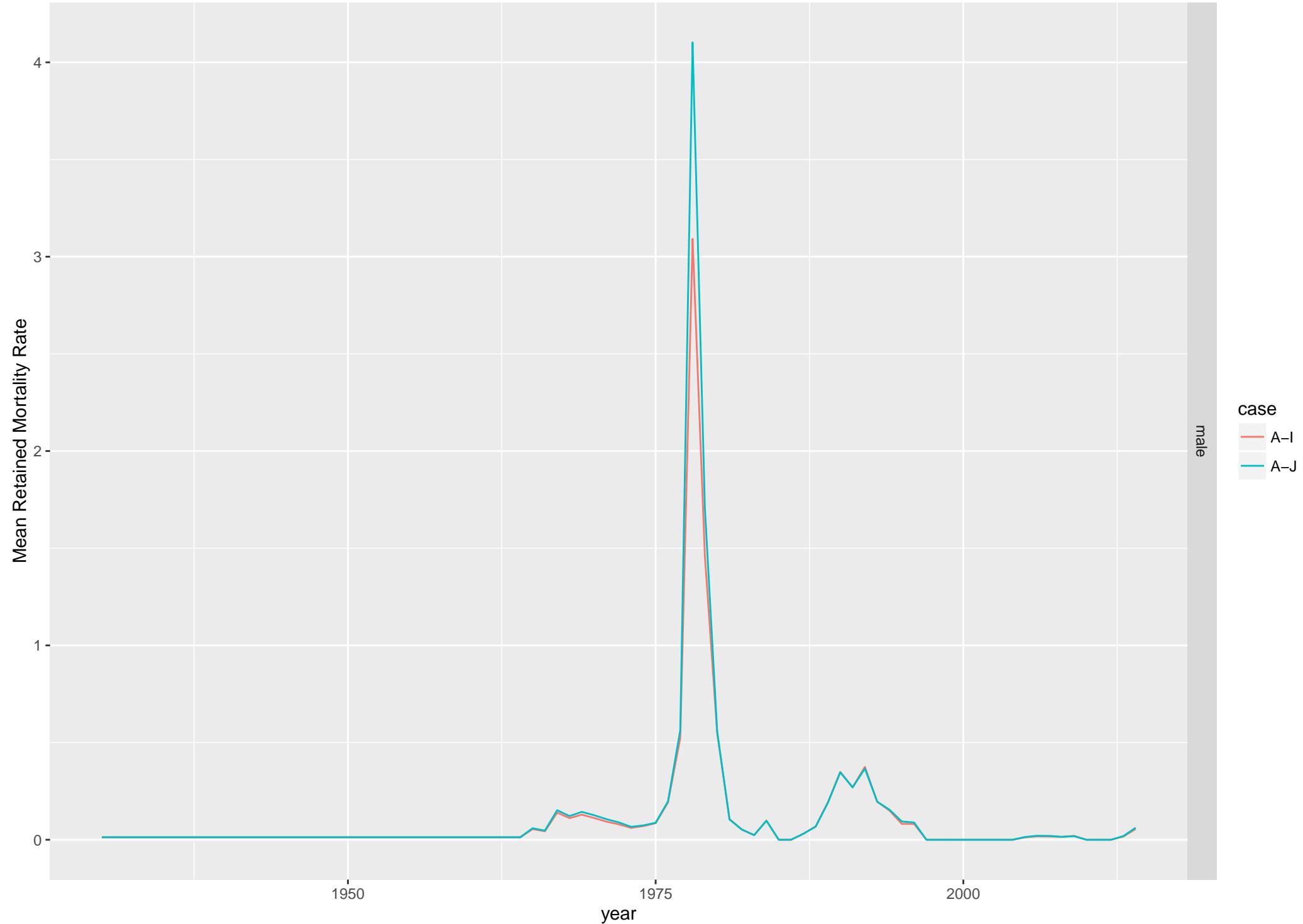
male

case
A-I
A-J

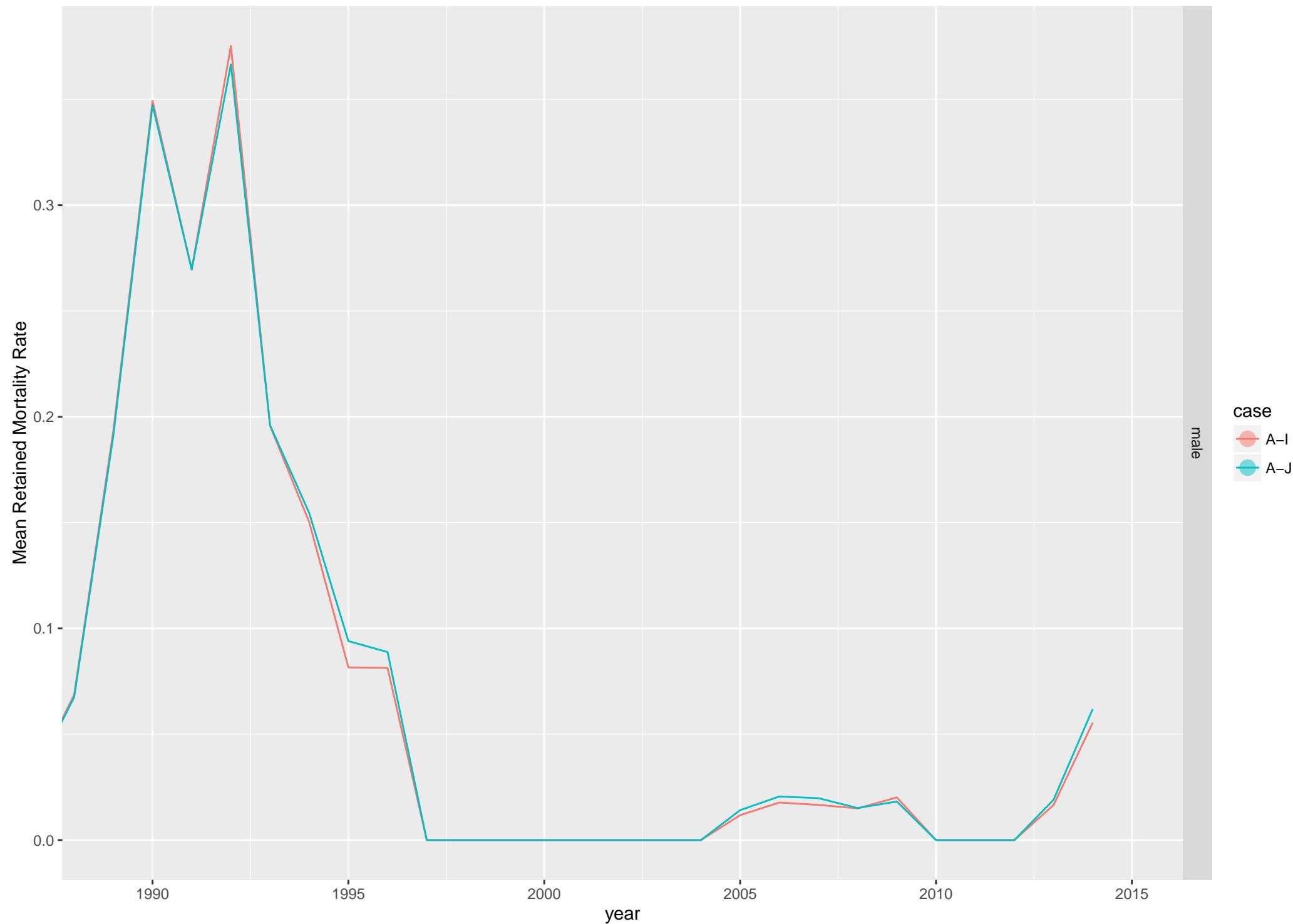
Males, retained fishing mortality rate



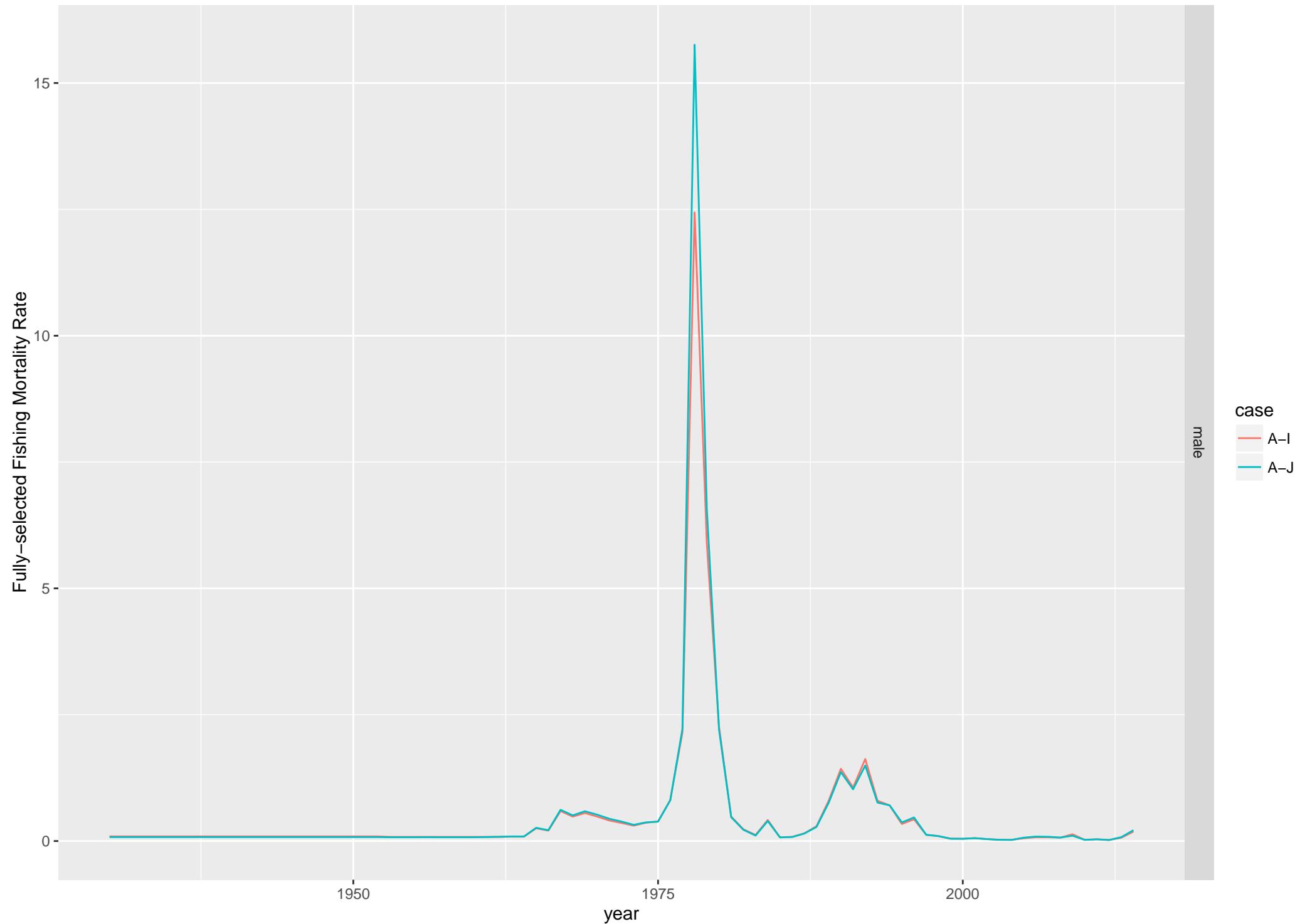
Males, retained fishing mortality rate



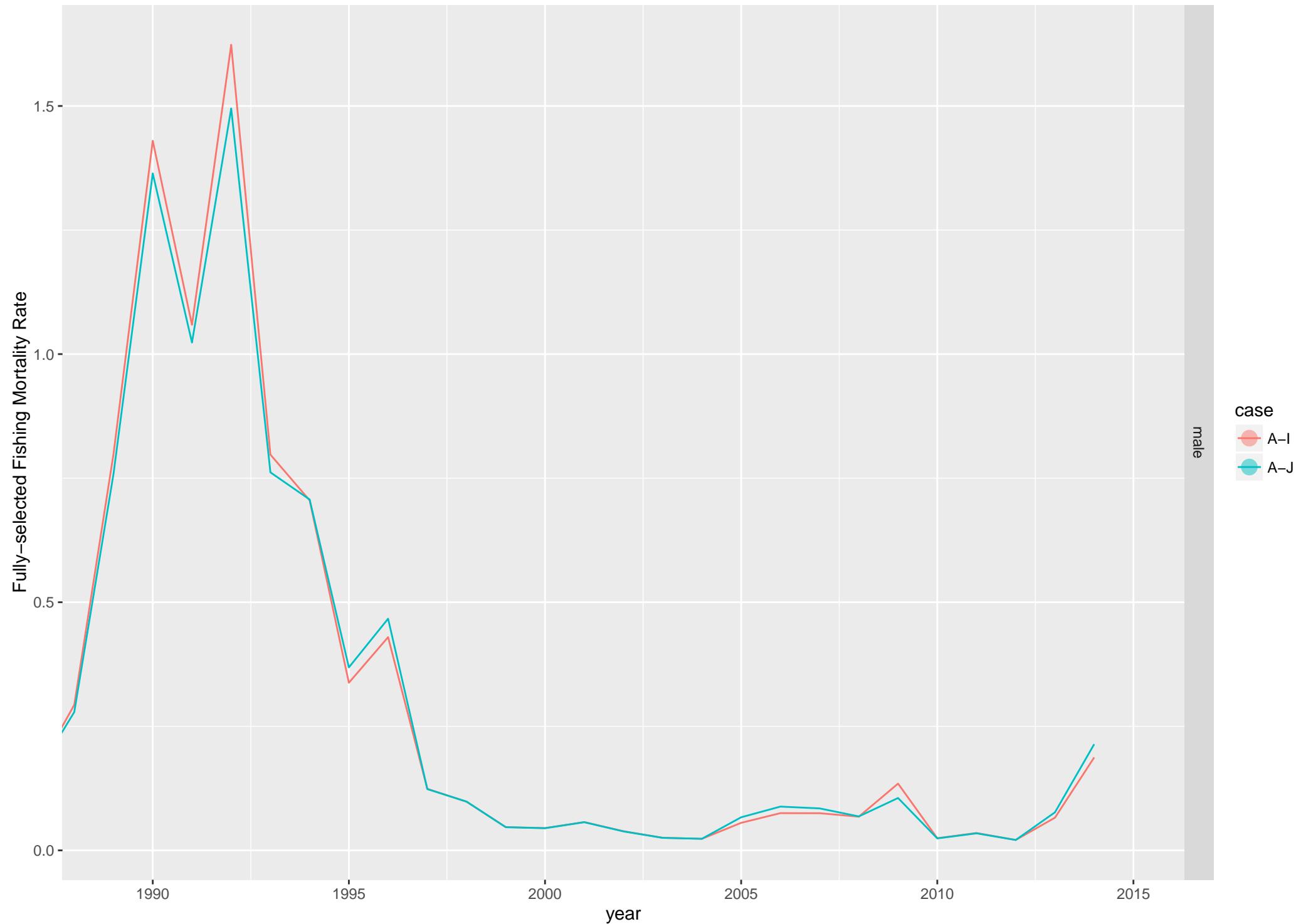
Males, retained fishing mortality rate



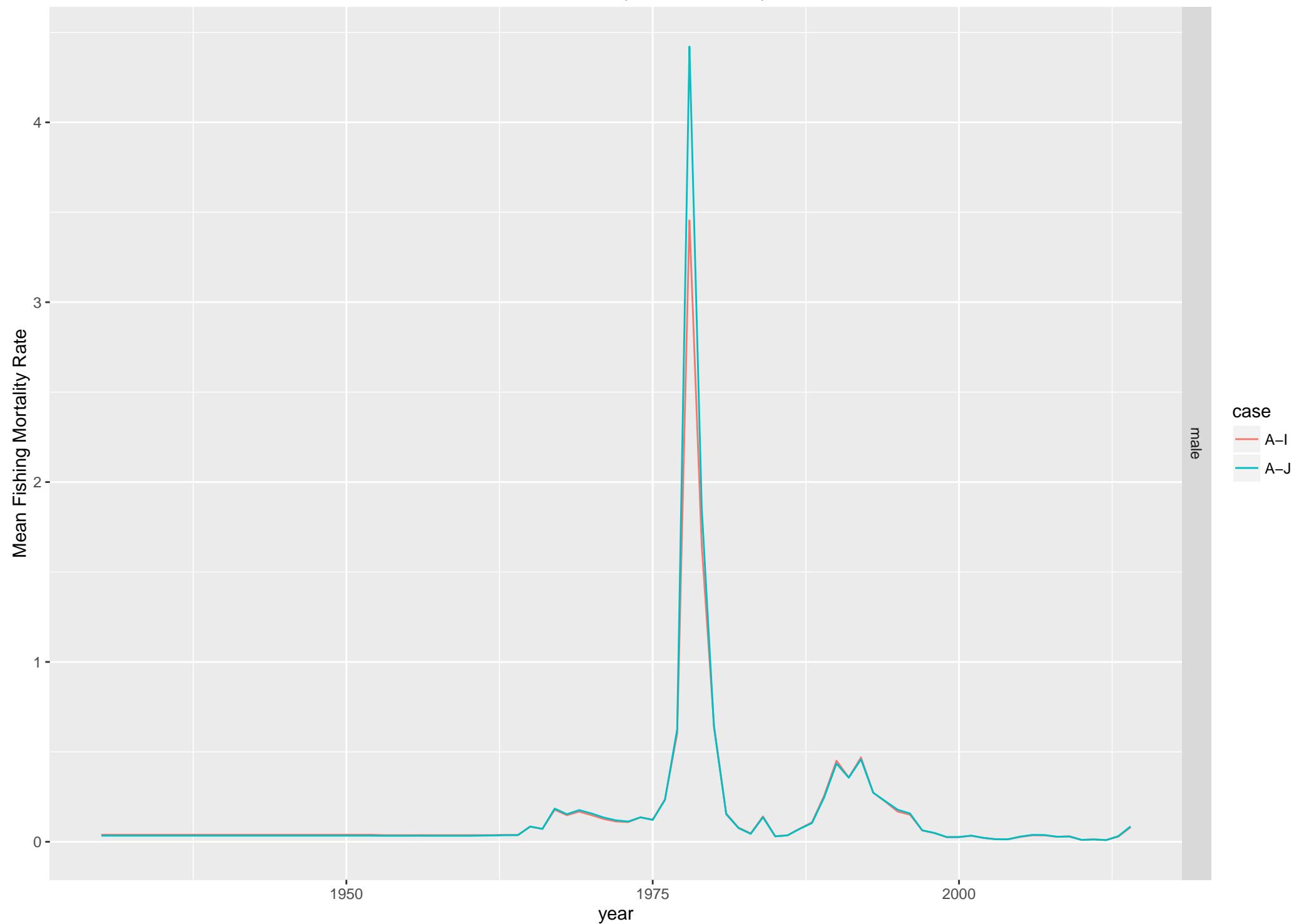
Males, directed fishery total mortality rate



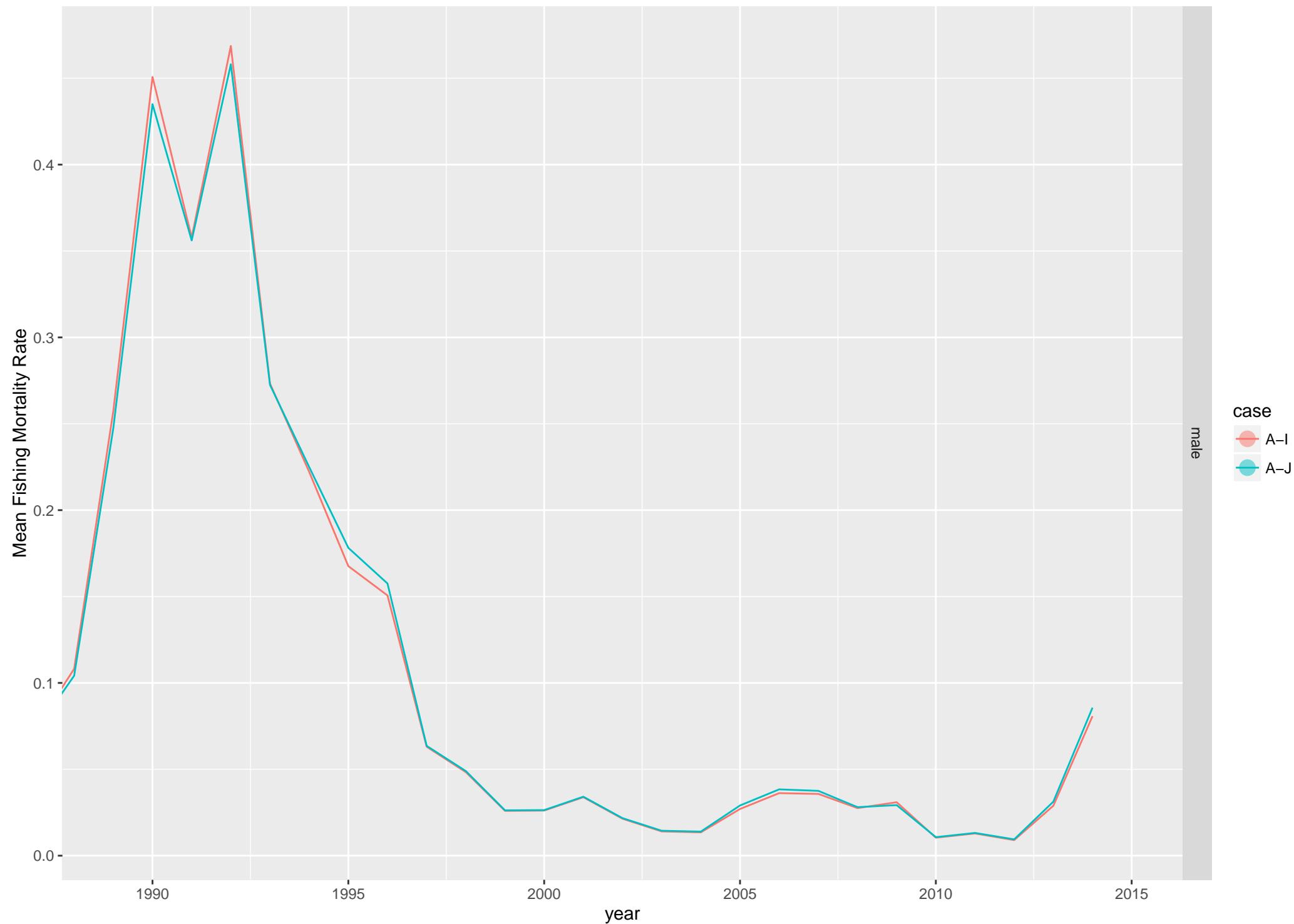
Males, directed fishery total mortality rate



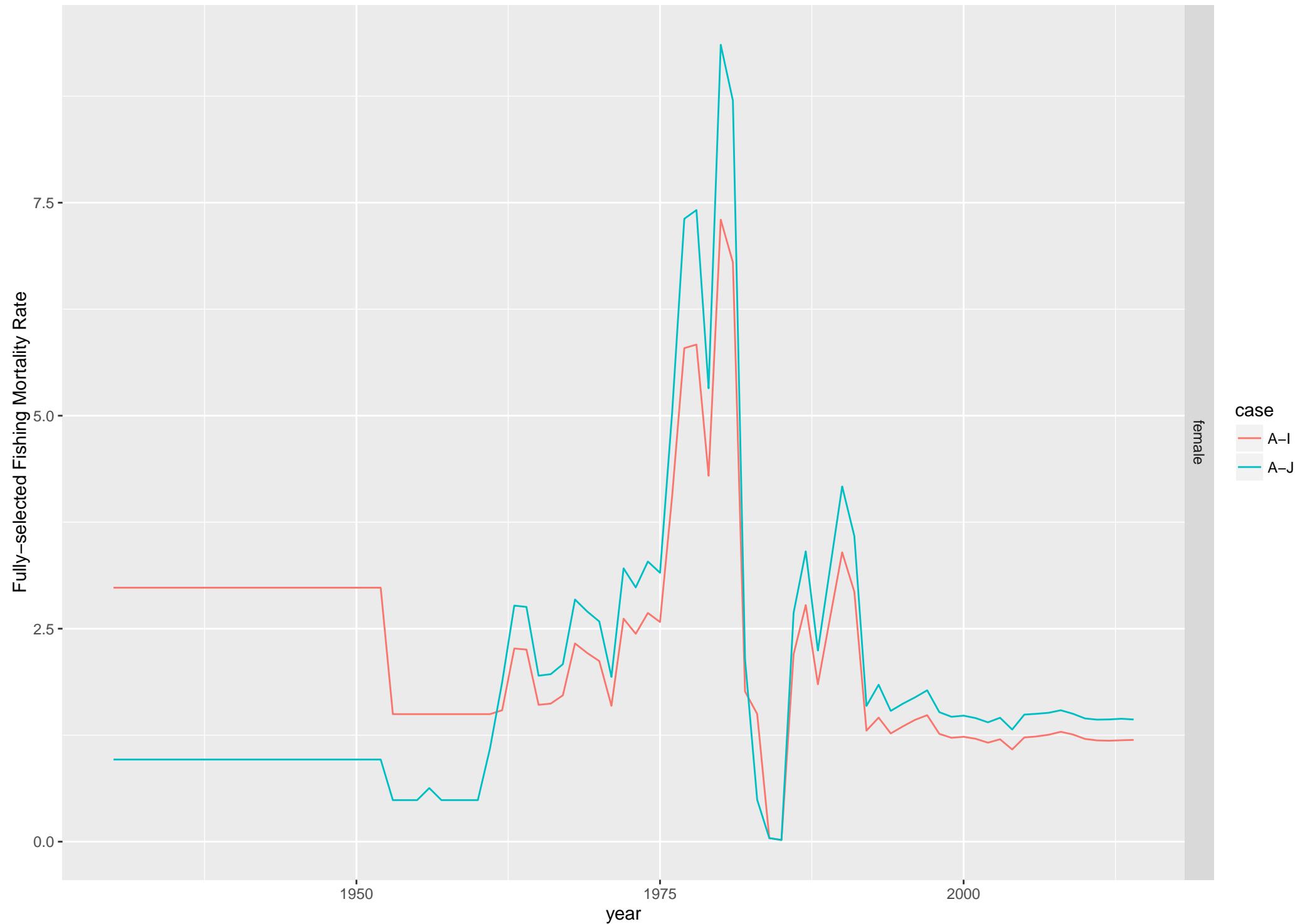
Males, directed fishery total mortality rate



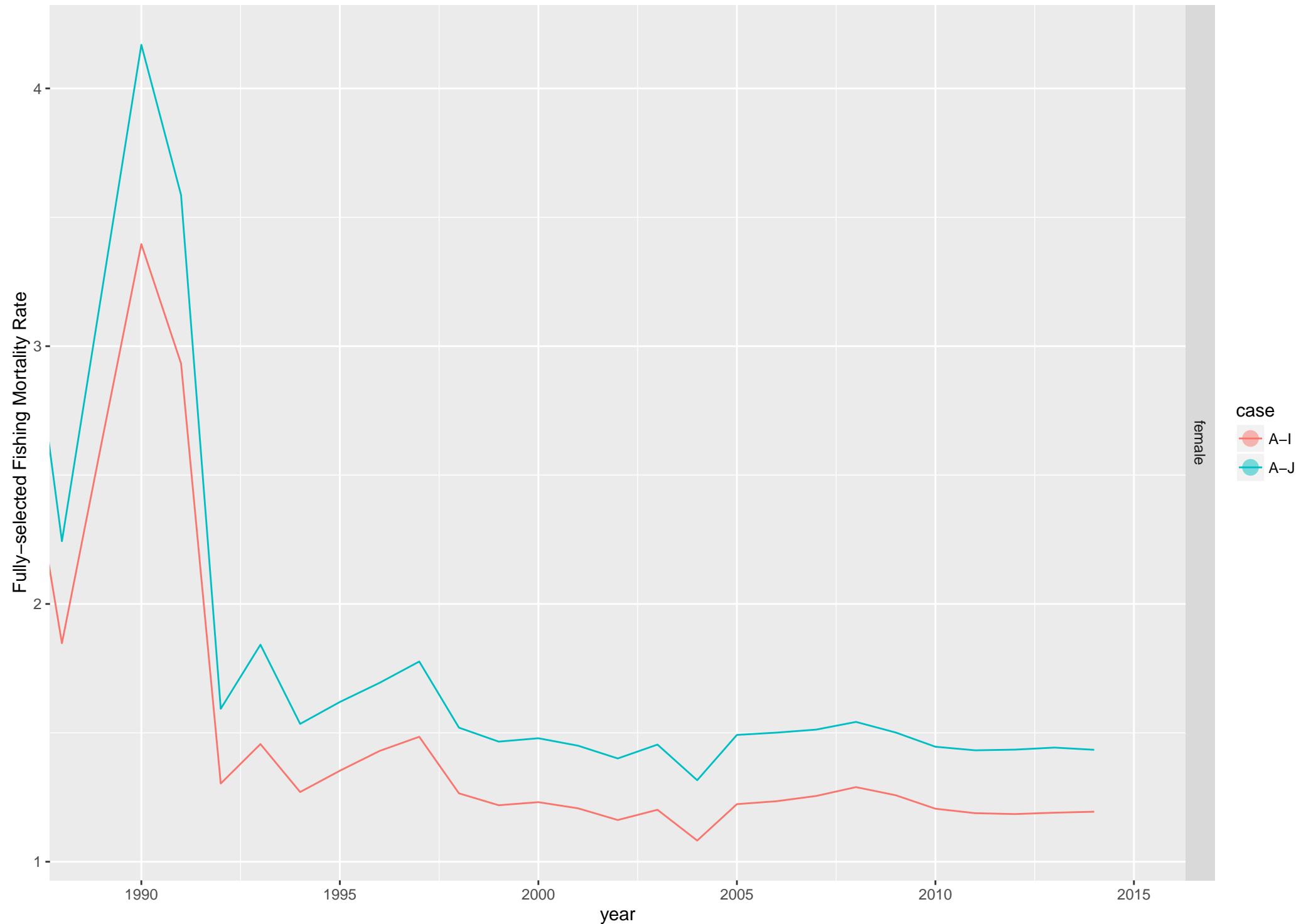
Males, directed fishery total mortality rate



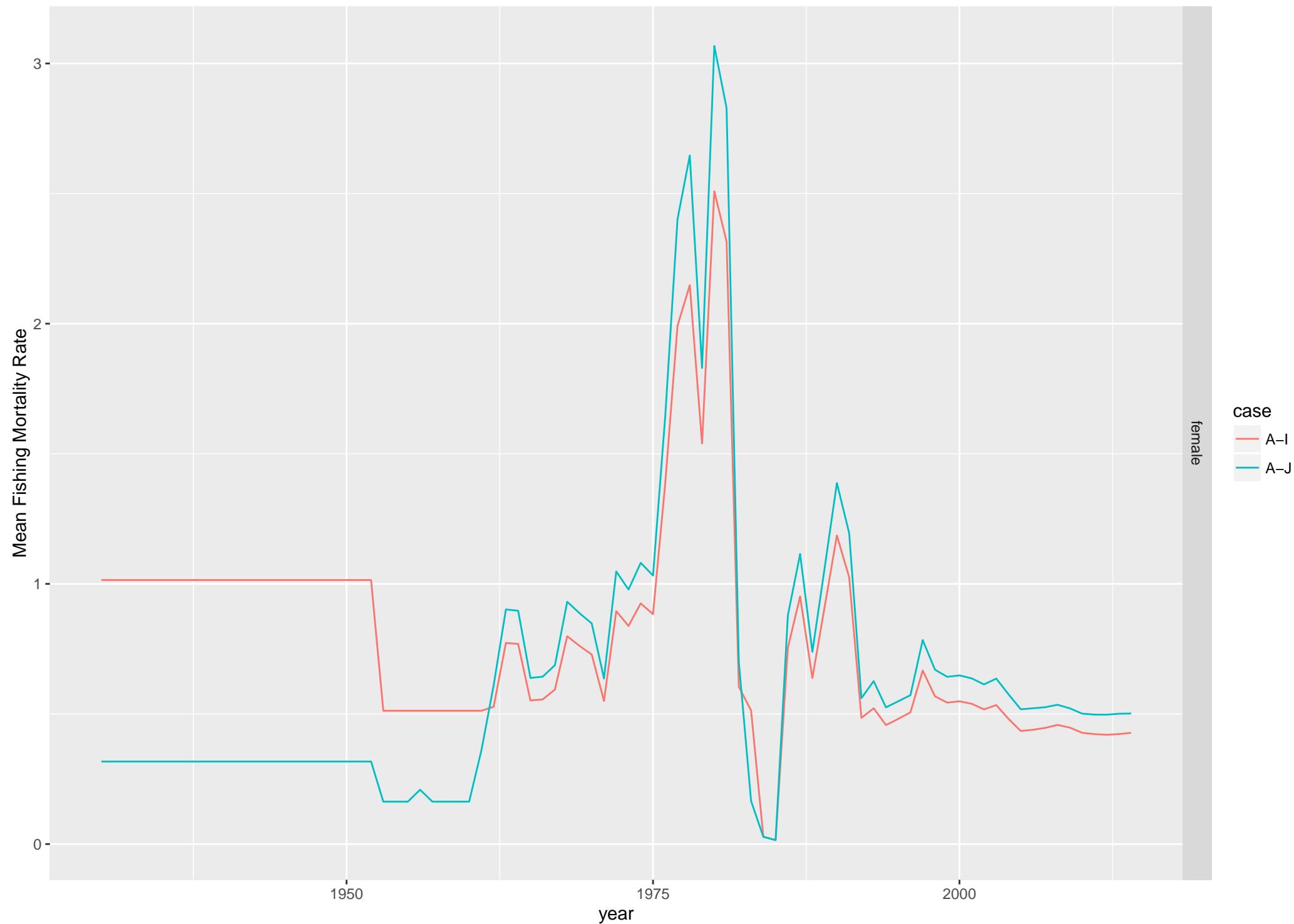
Females, directed fishery bycatch mortality rate



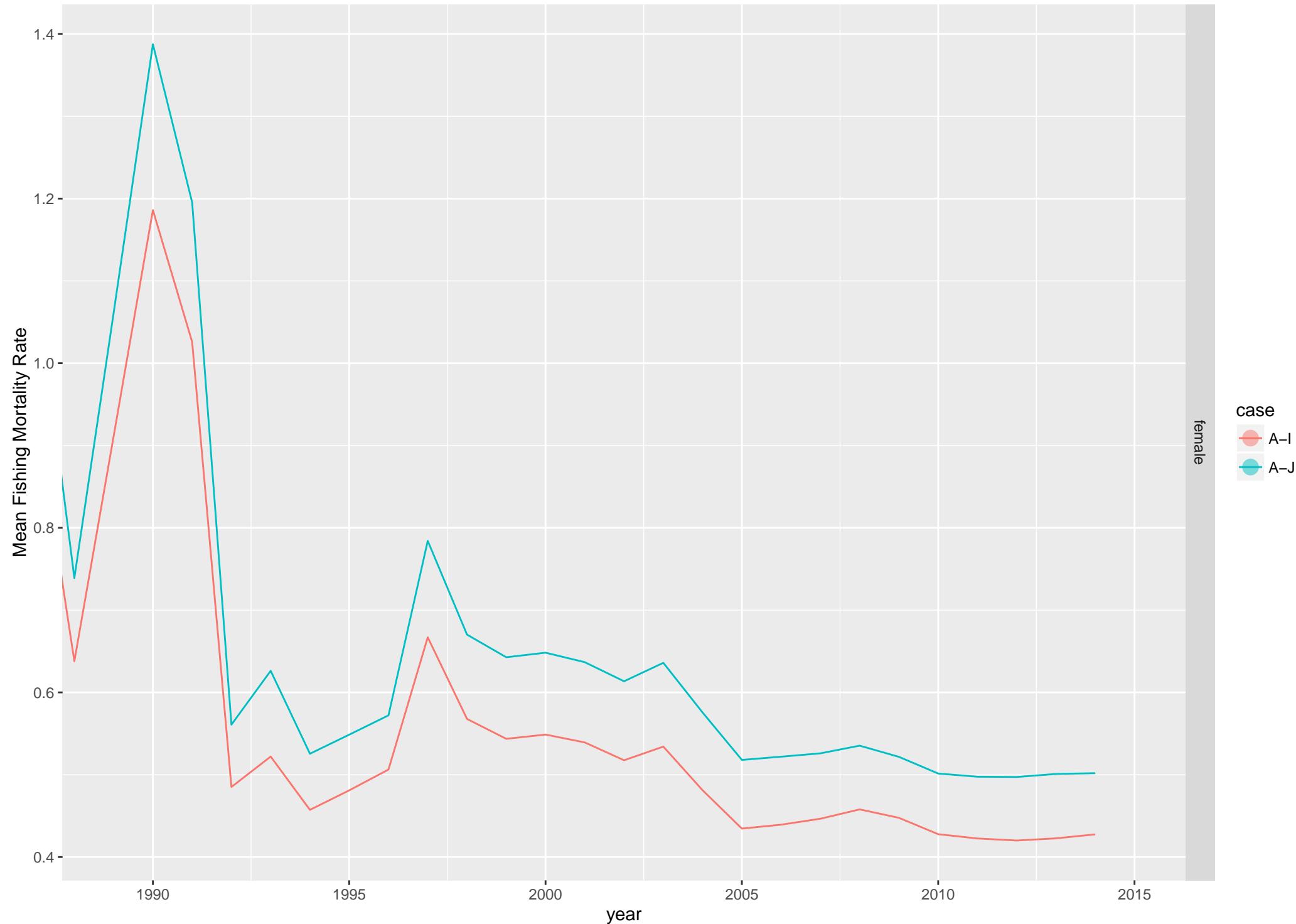
Females, directed fishery bycatch mortality rate



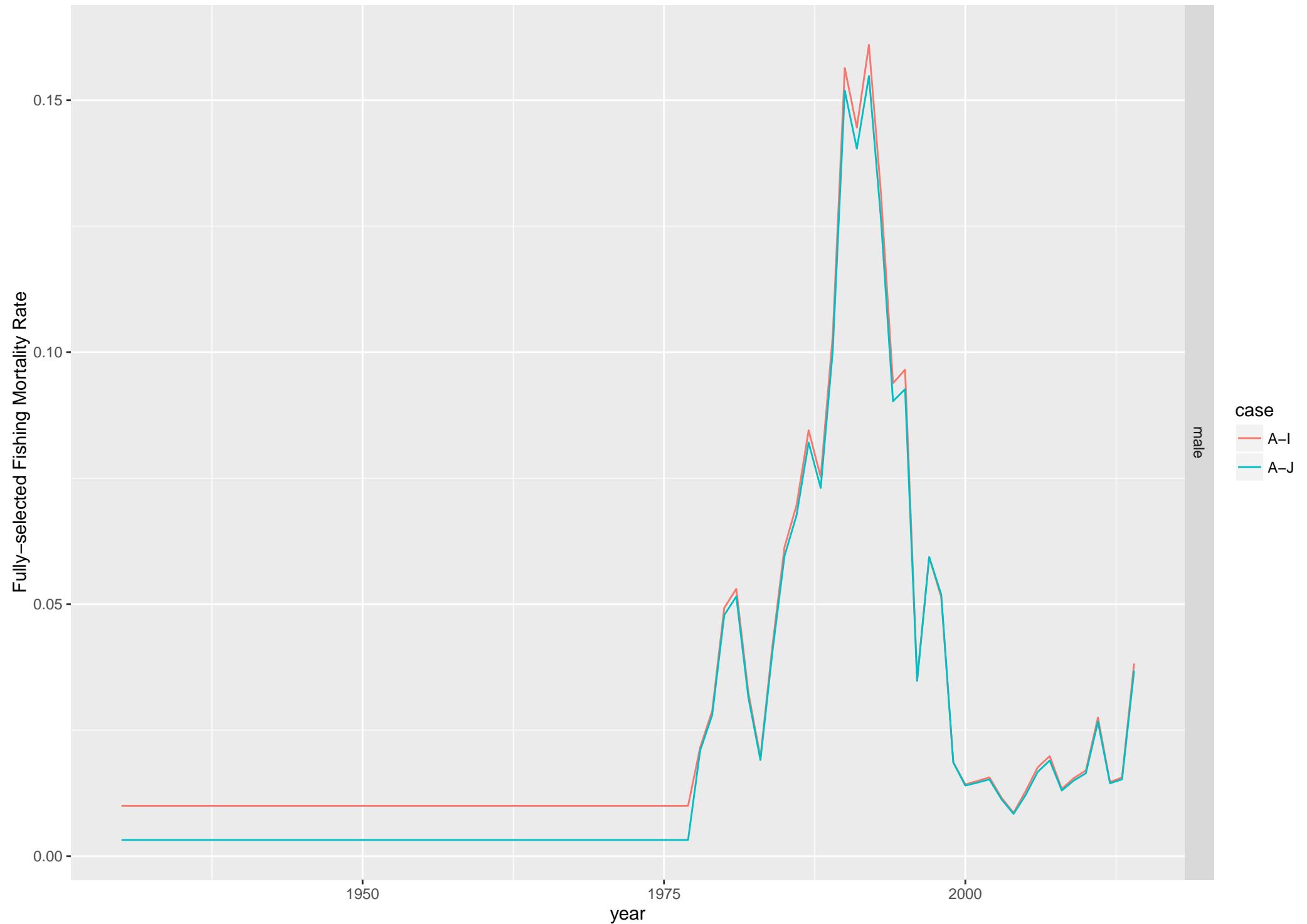
Females, directed fishery bycatch mortality rate



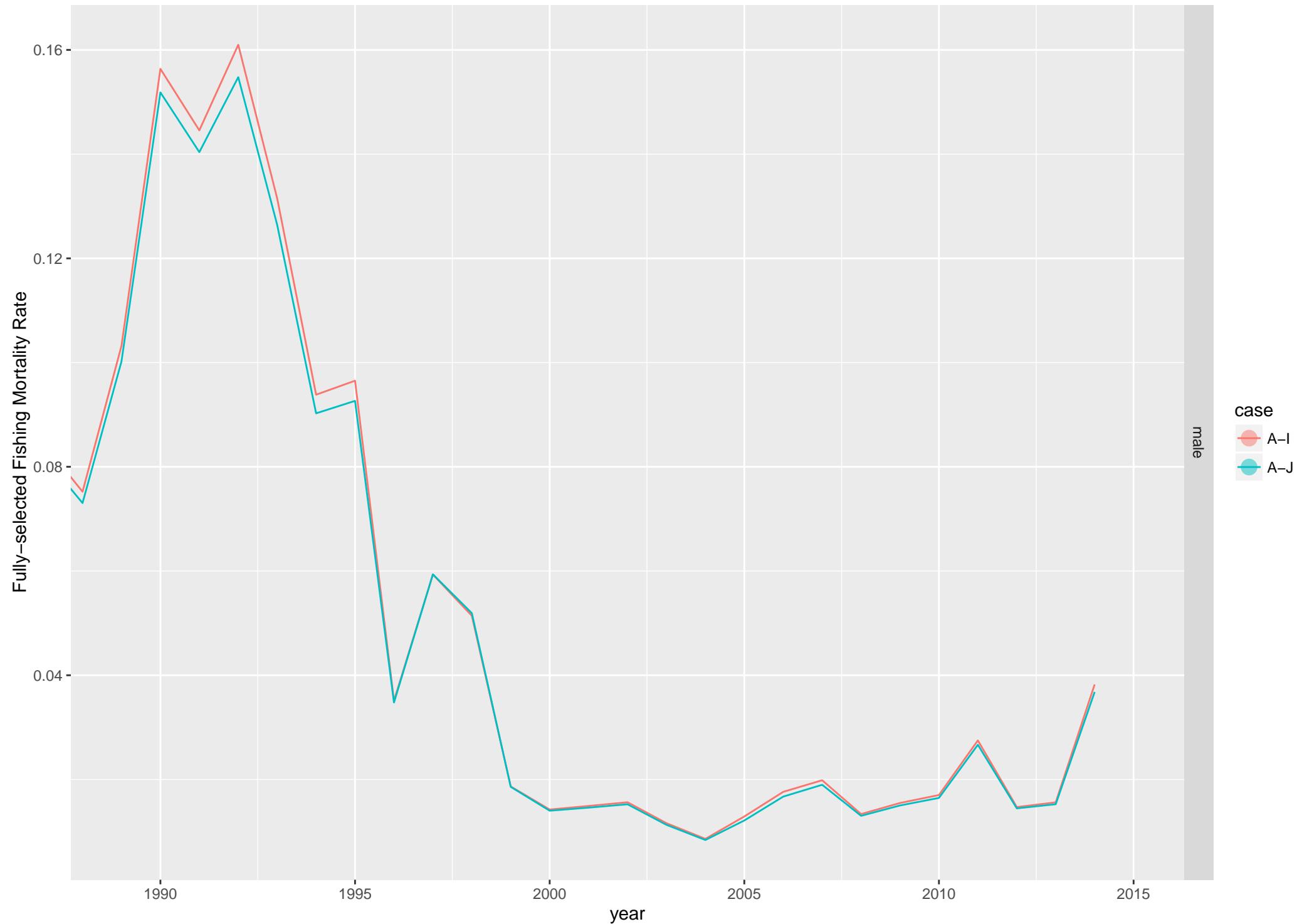
Females, directed fishery bycatch mortality rate



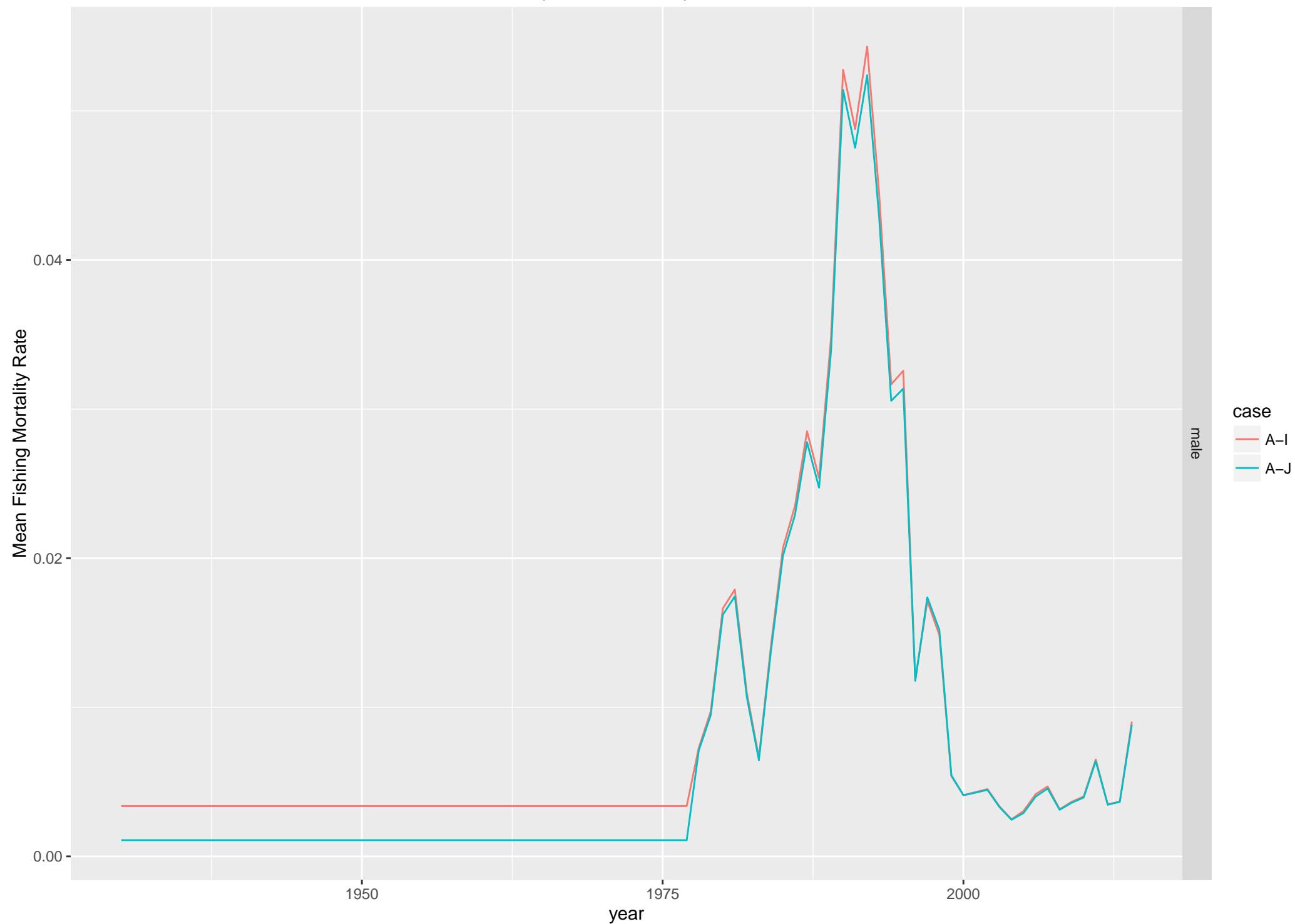
Snow crab bycatch mortality rate on males



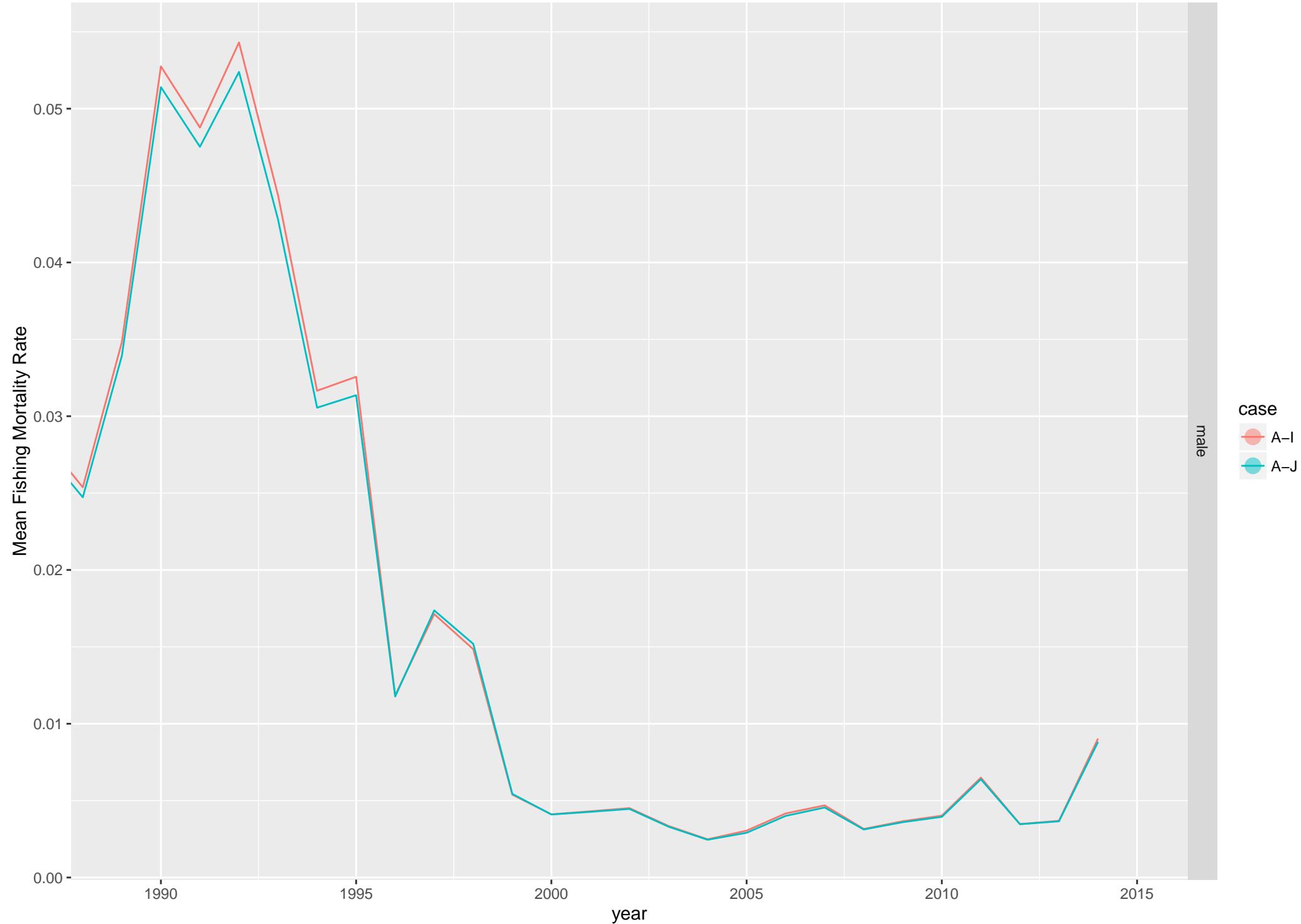
Snow crab bycatch mortality rate on males



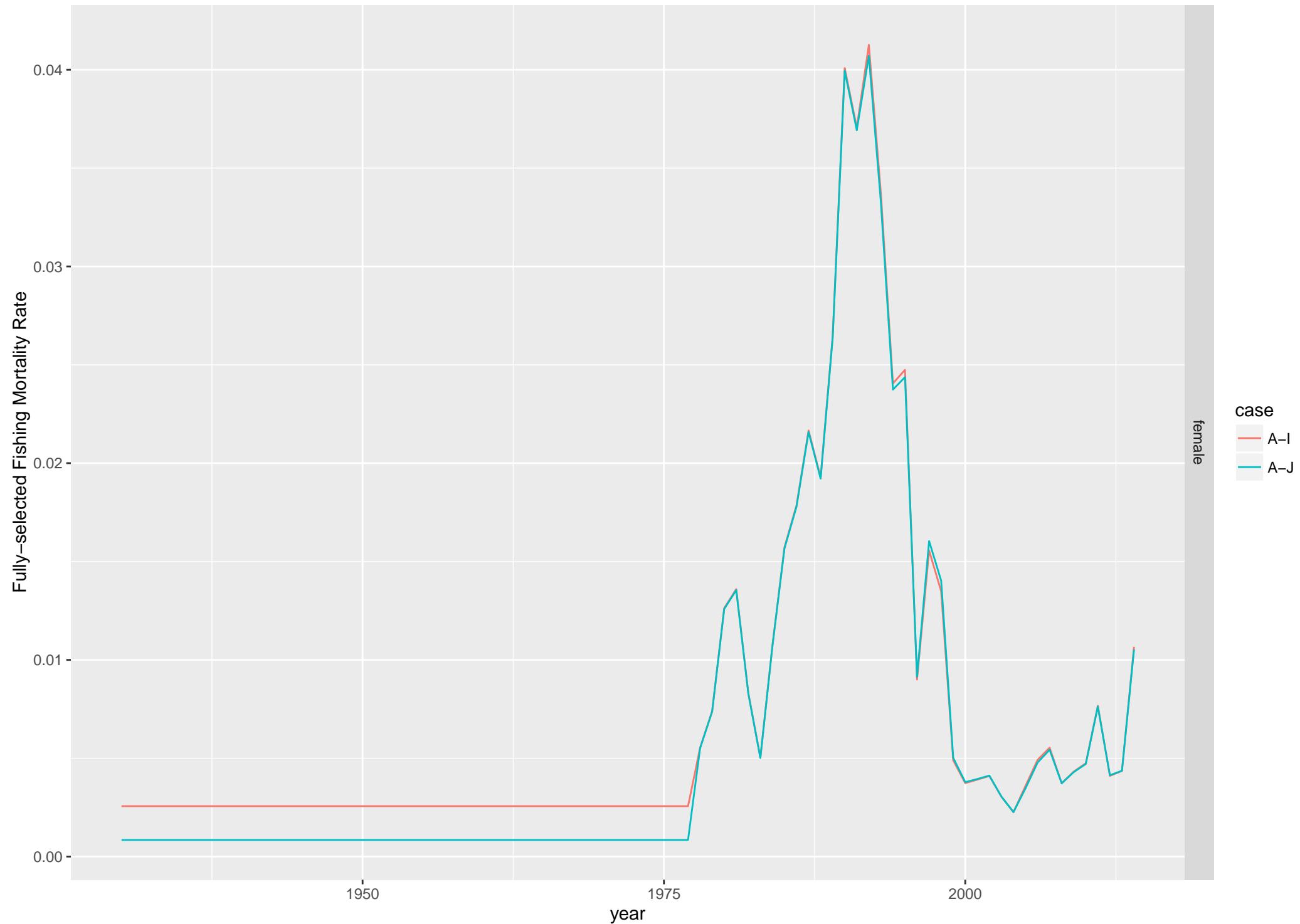
Snow crab bycatch mortality rate on males



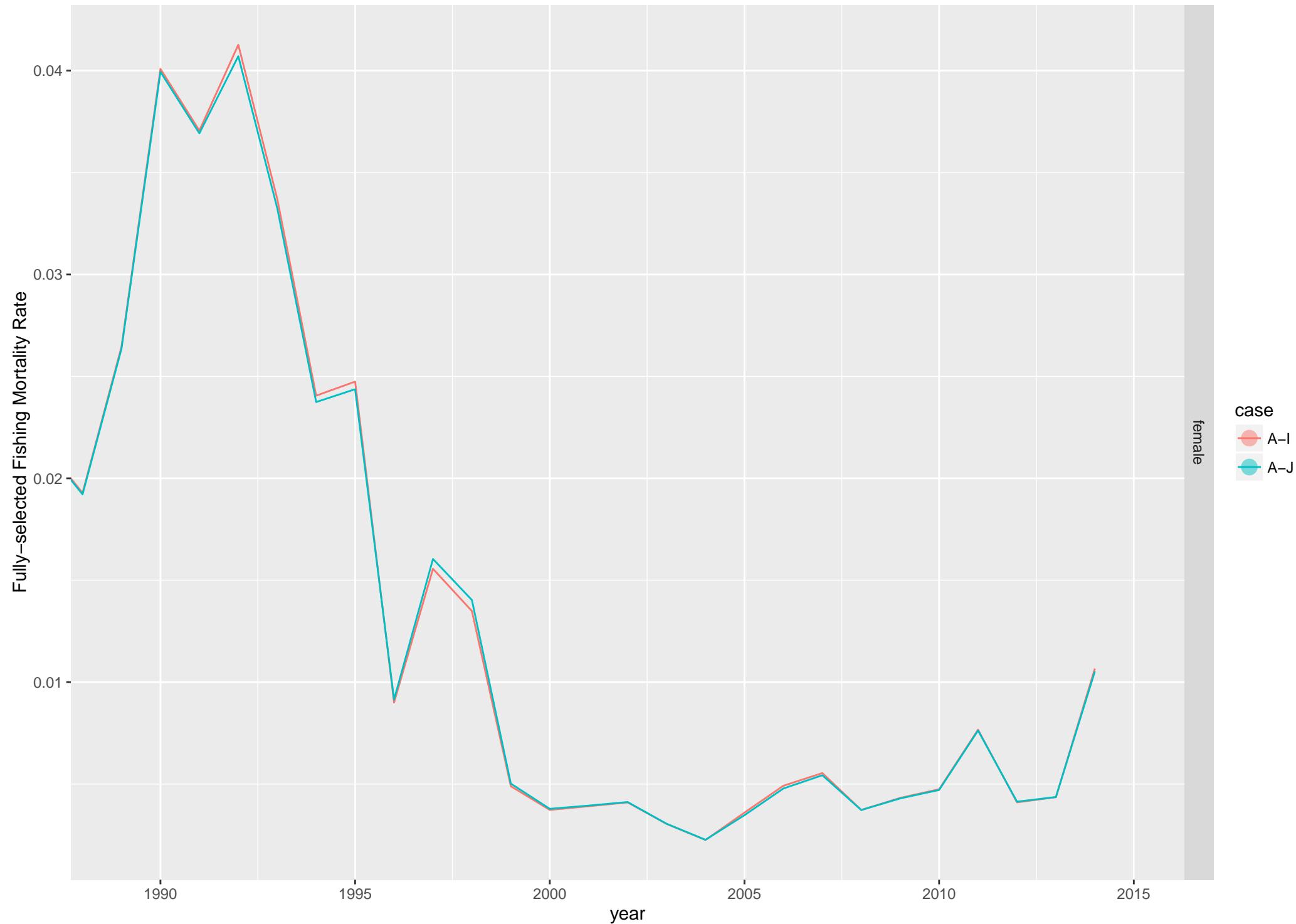
Snow crab bycatch mortality rate on males



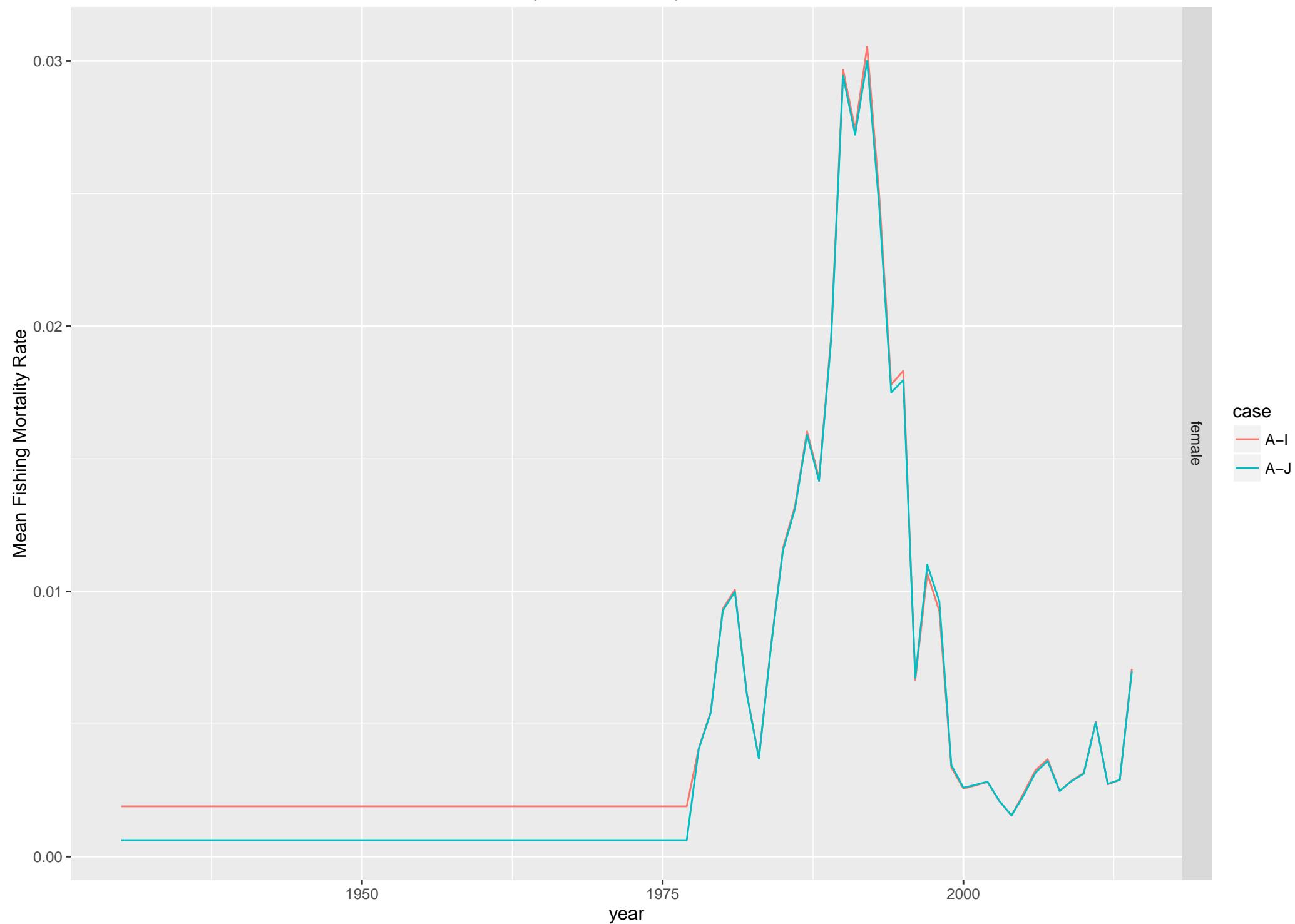
Snow crab bycatch mortality rate on females



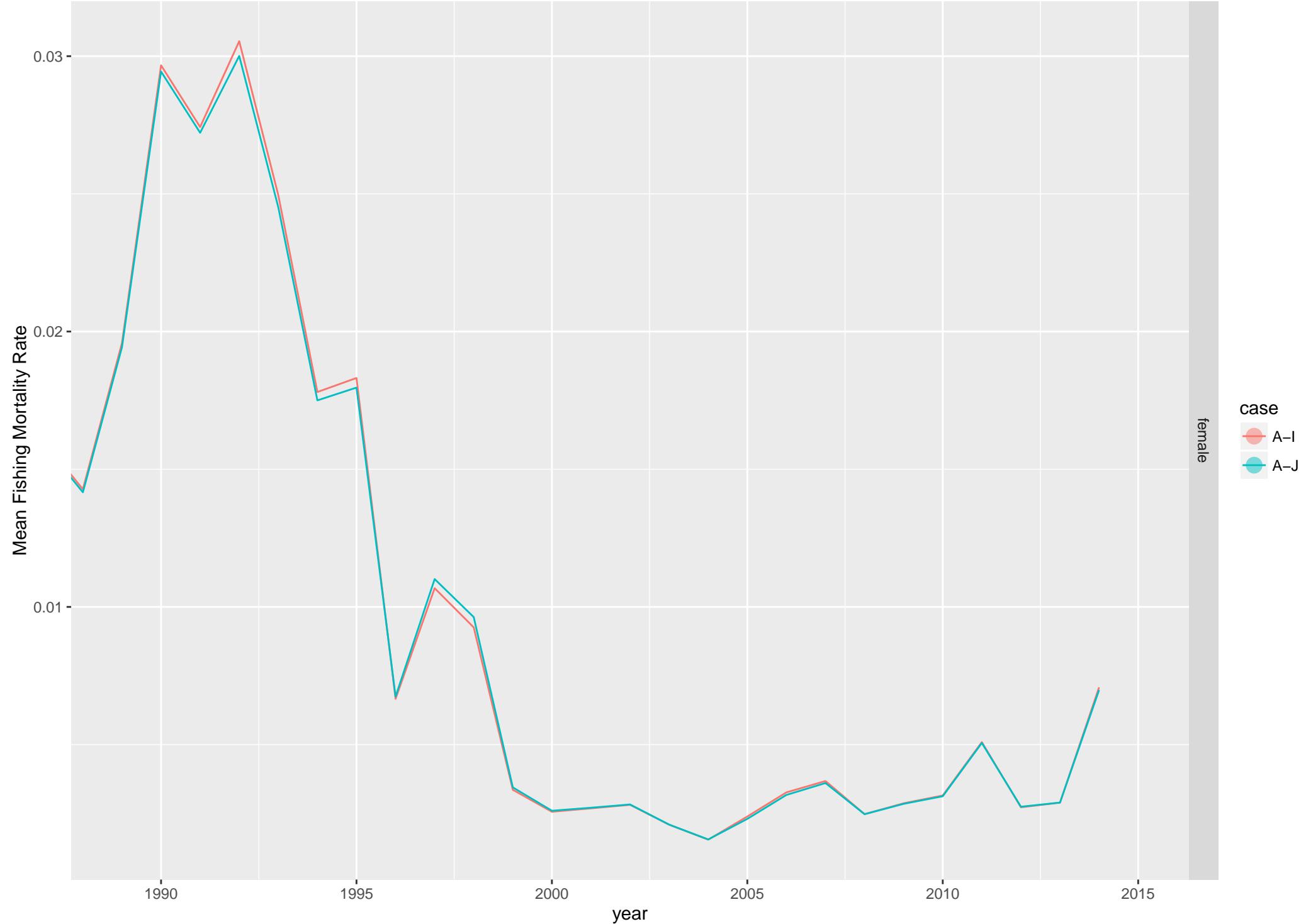
Snow crab bycatch mortality rate on females



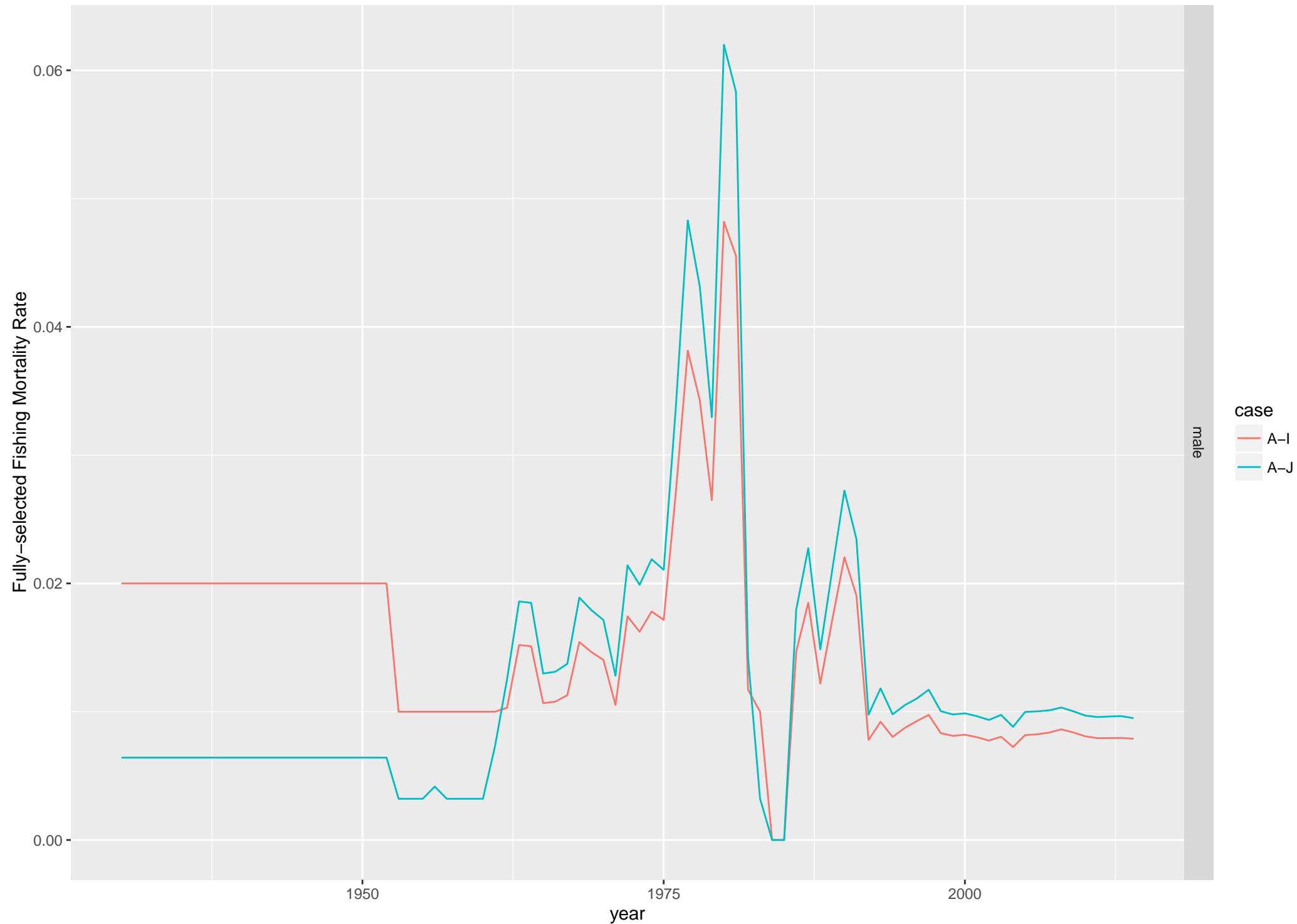
Snow crab bycatch mortality rate on females



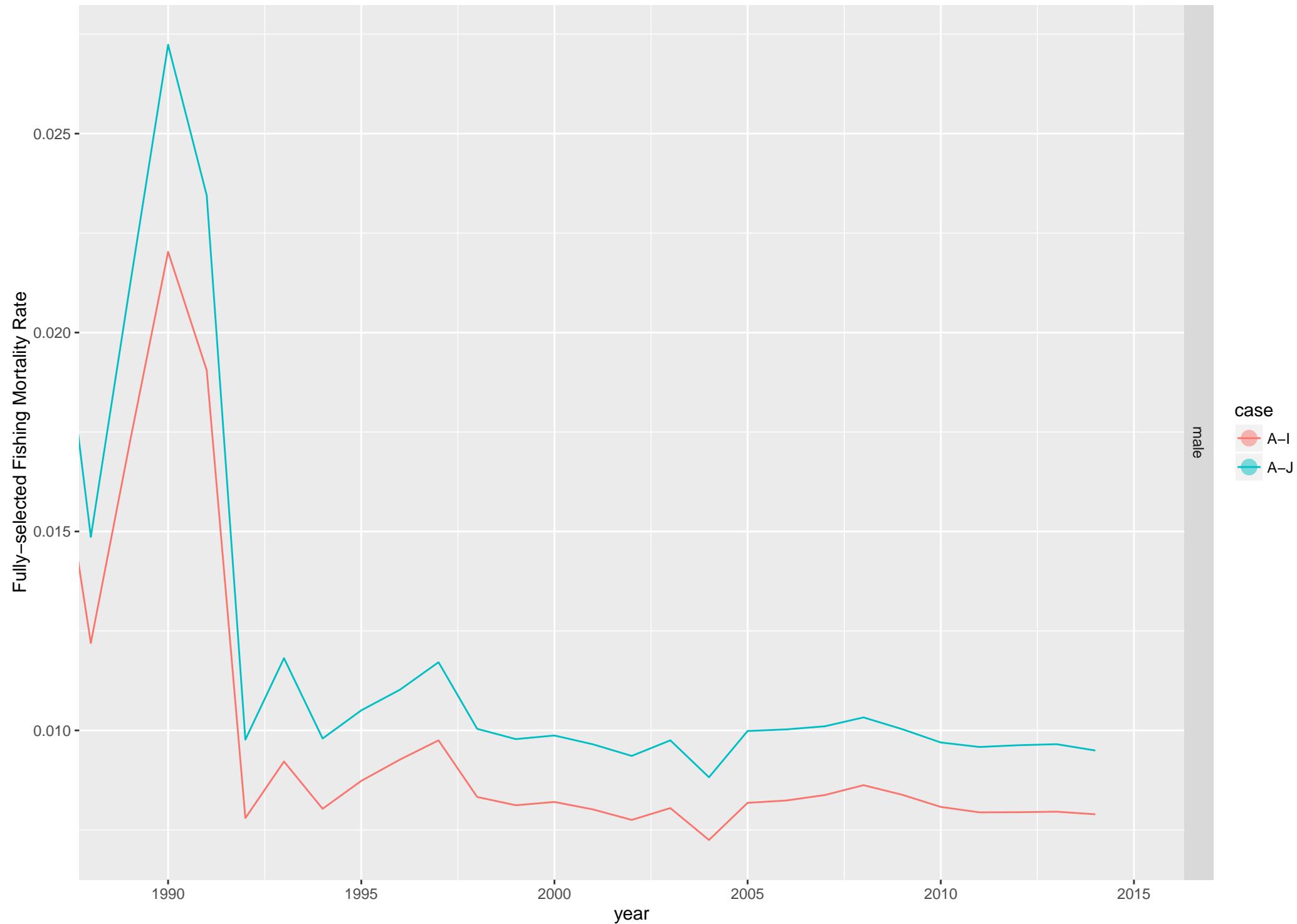
Snow crab bycatch mortality rate on females



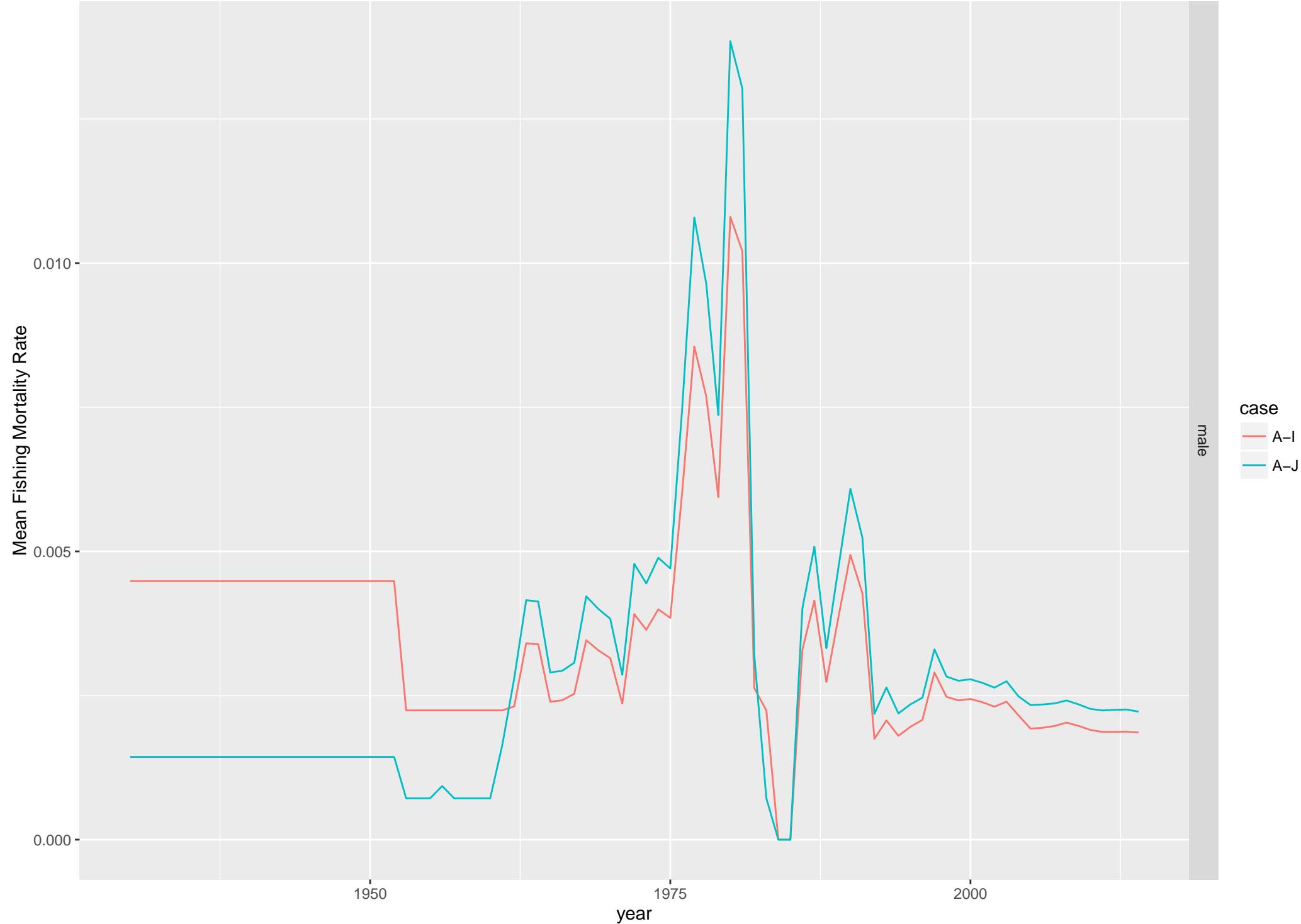
BBRKC bycatch mortality rate on males



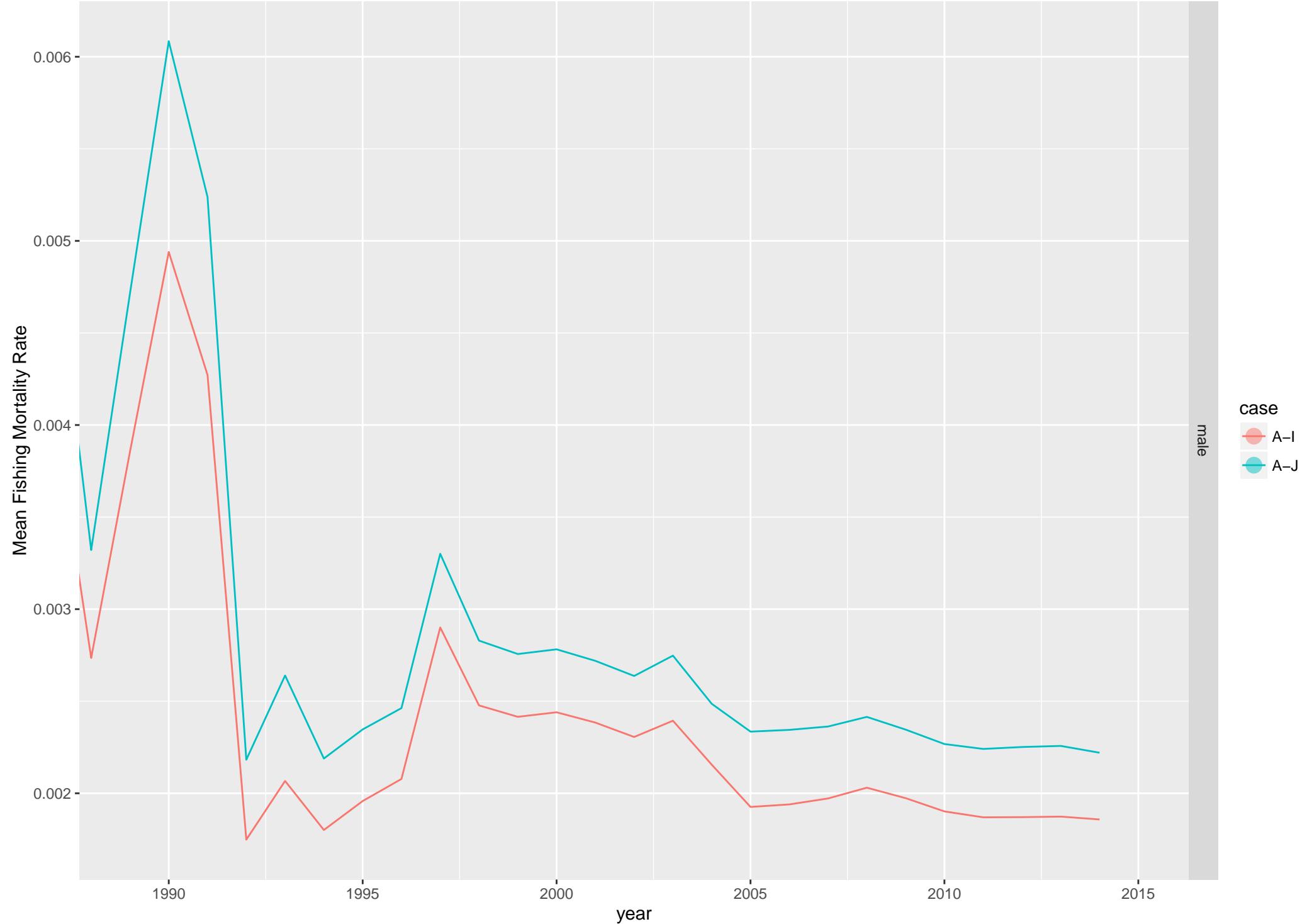
BBRKC bycatch mortality rate on males



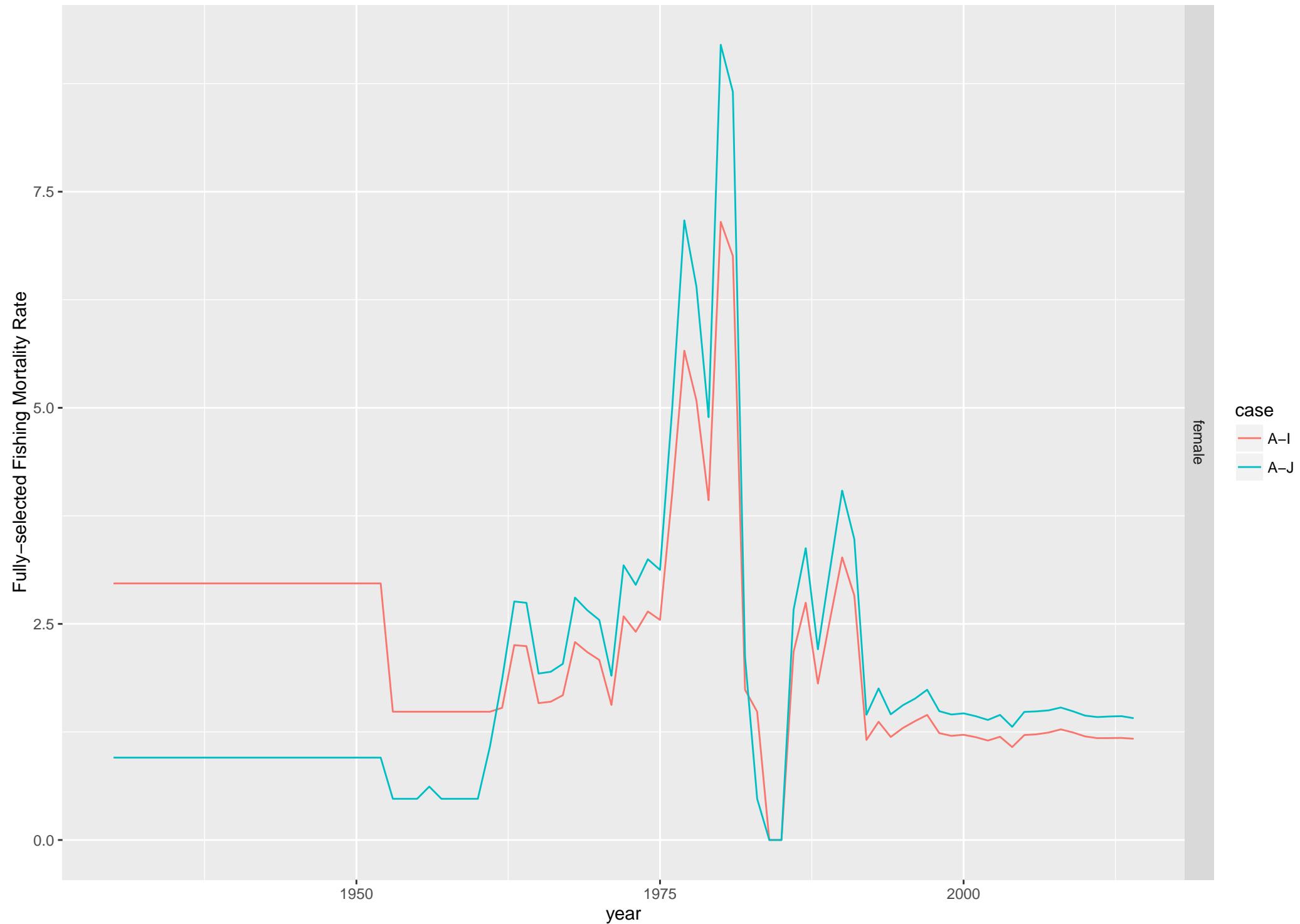
BBRKC bycatch mortality rate on males



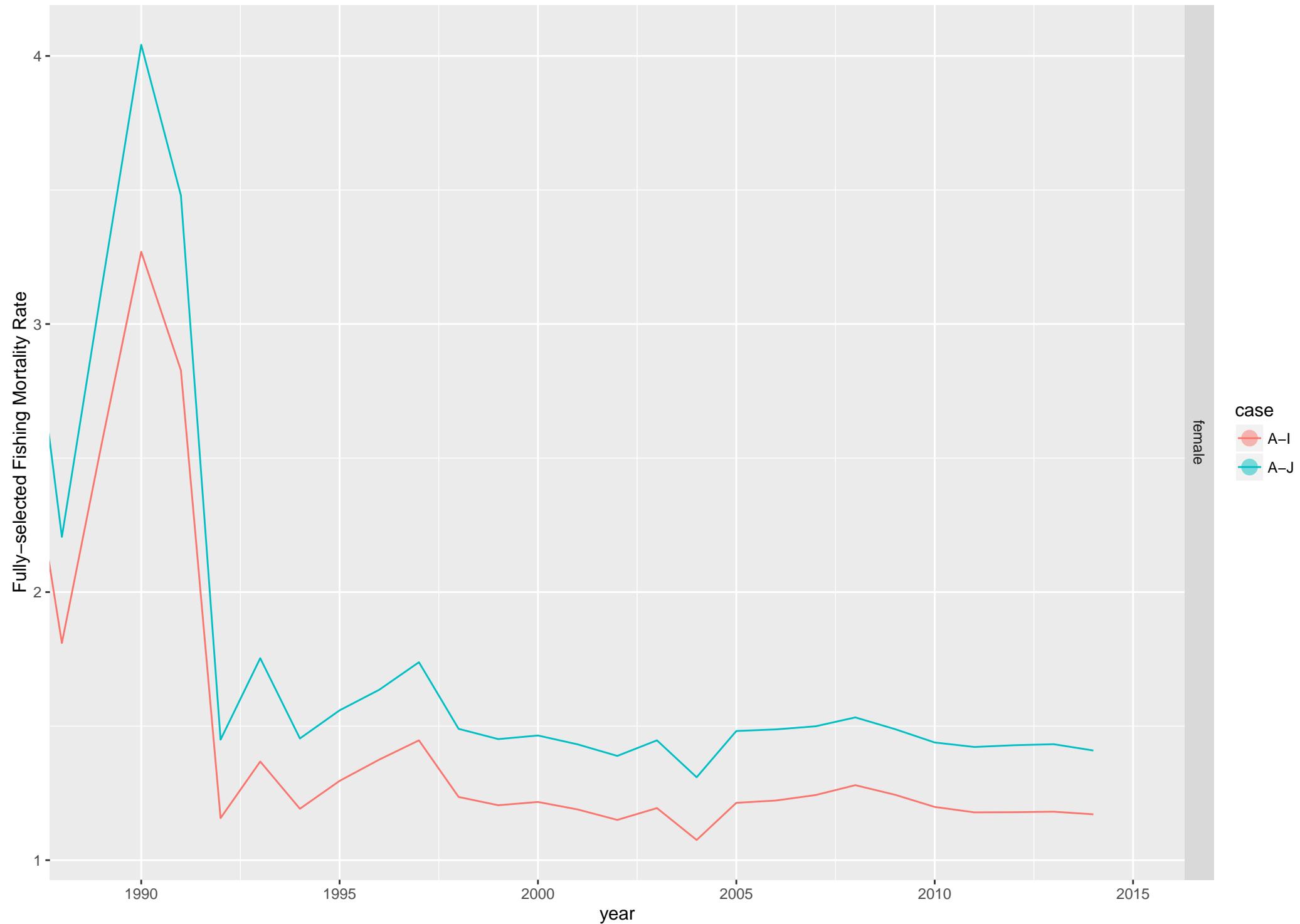
BBRKC bycatch mortality rate on males



BBRKC bycatch mortality rate on females



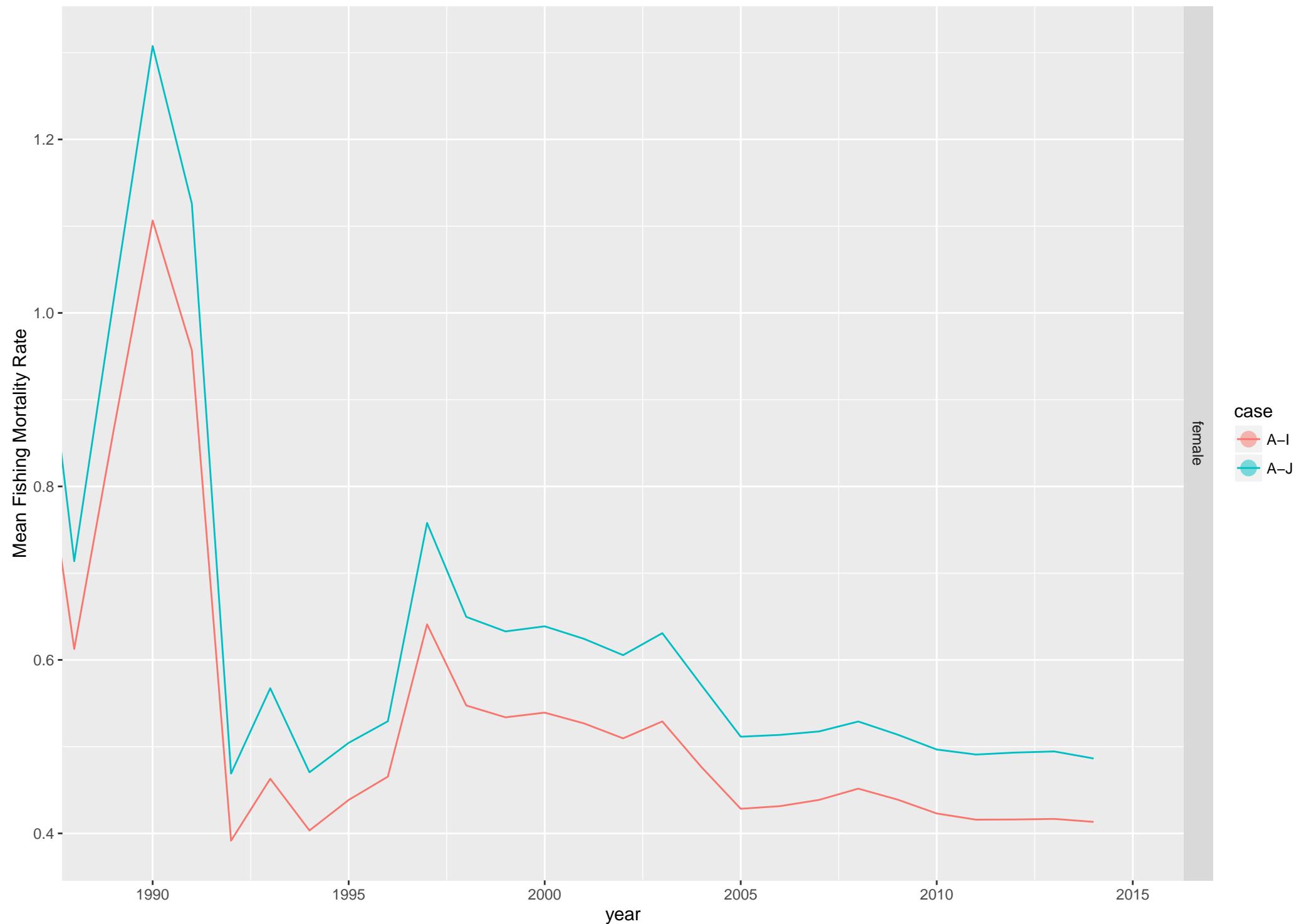
BBRKC bycatch mortality rate on females



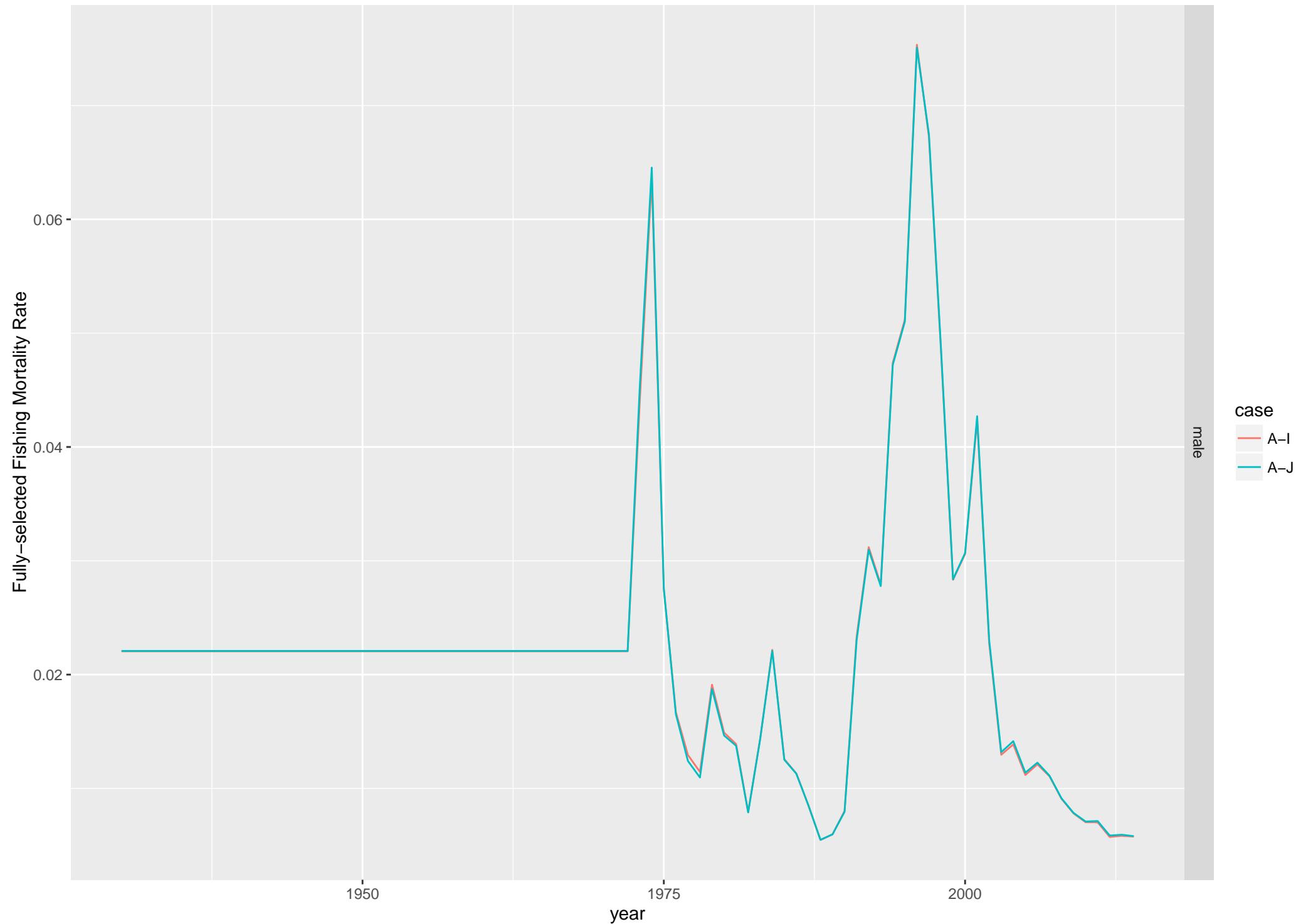
BBRKC bycatch mortality rate on females



BBRKC bycatch mortality rate on females

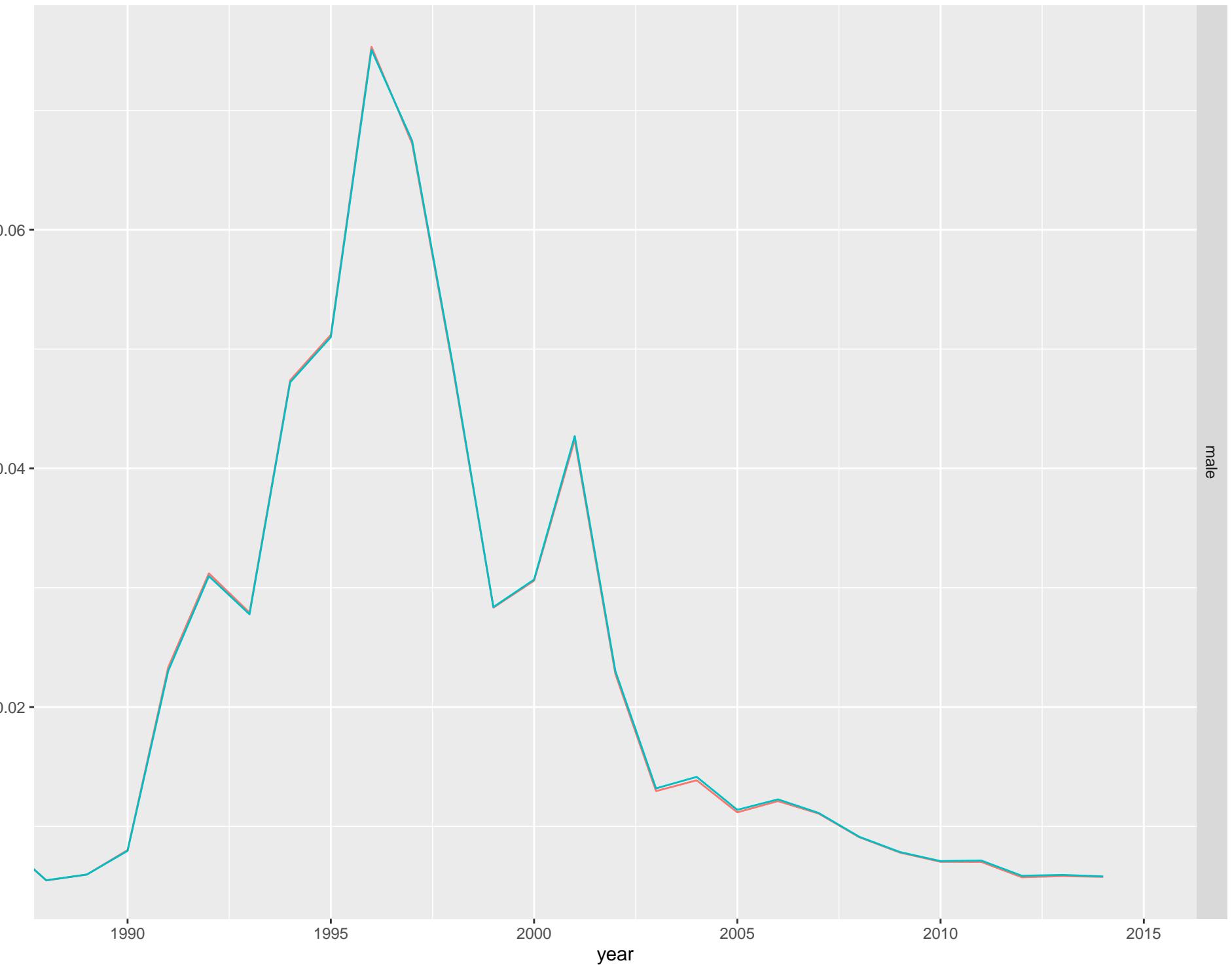


Groundfish bycatch fishing mortality



Groundfish bycatch fishing mortality

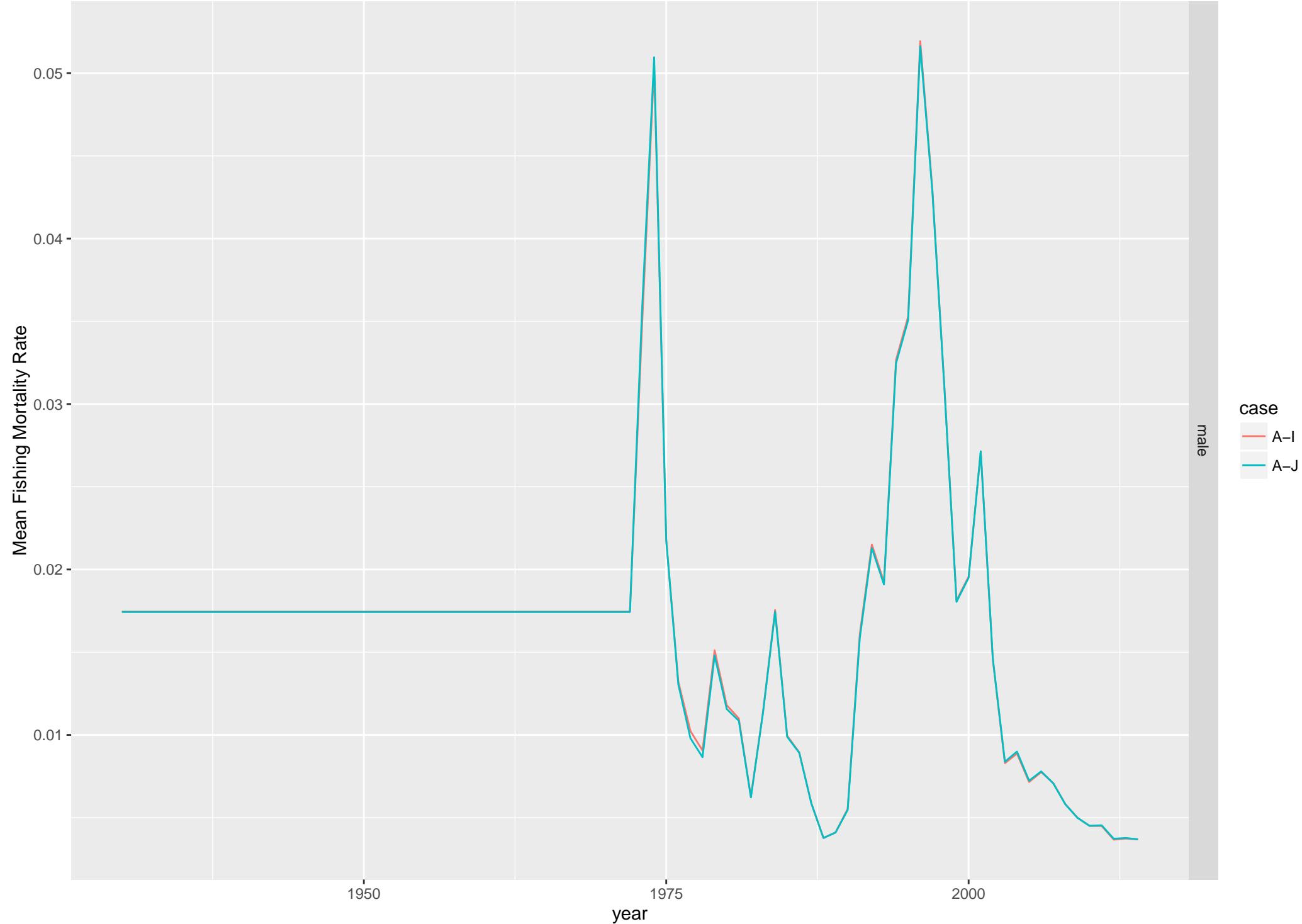
Fully-selected Fishing Mortality Rate



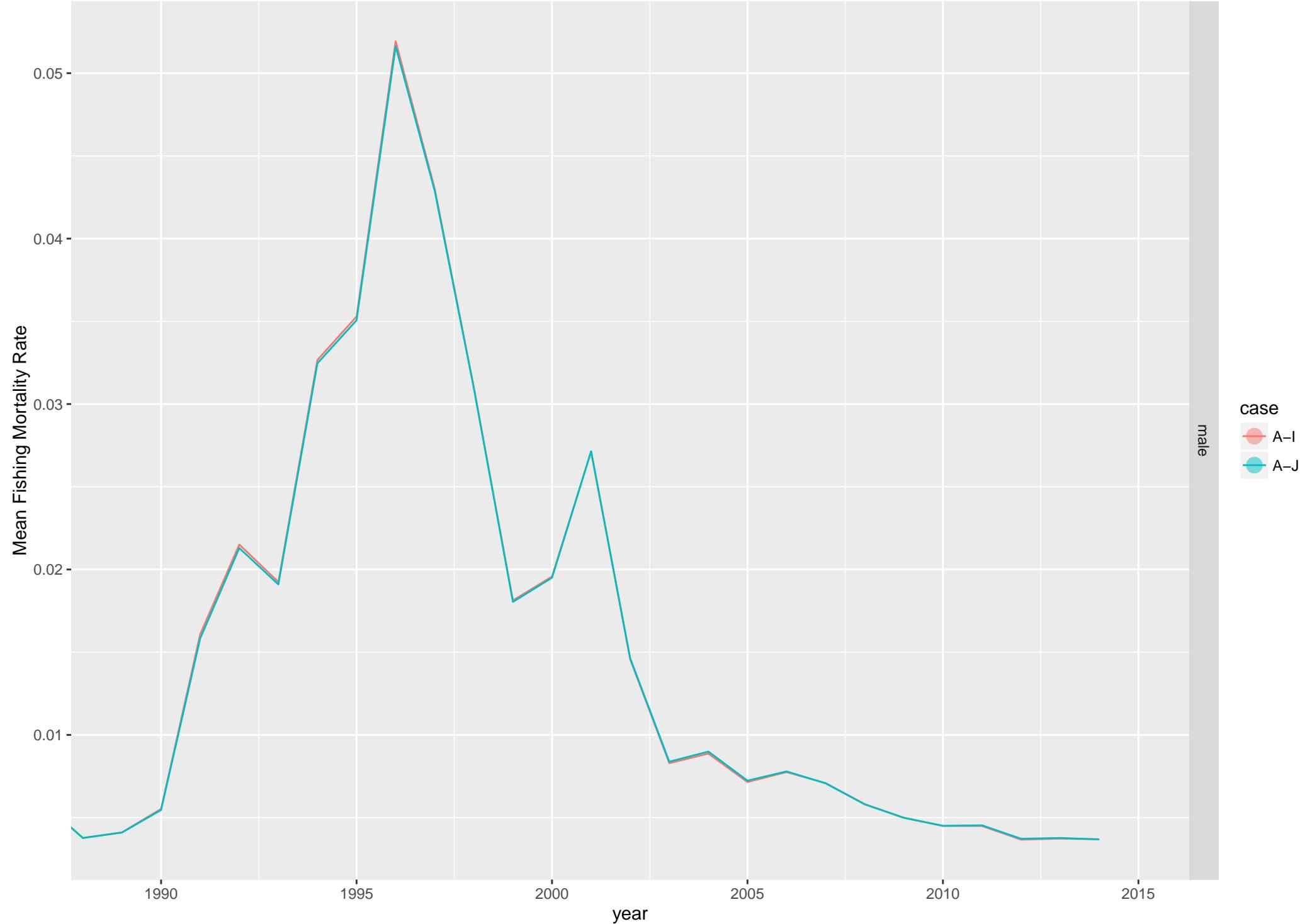
male

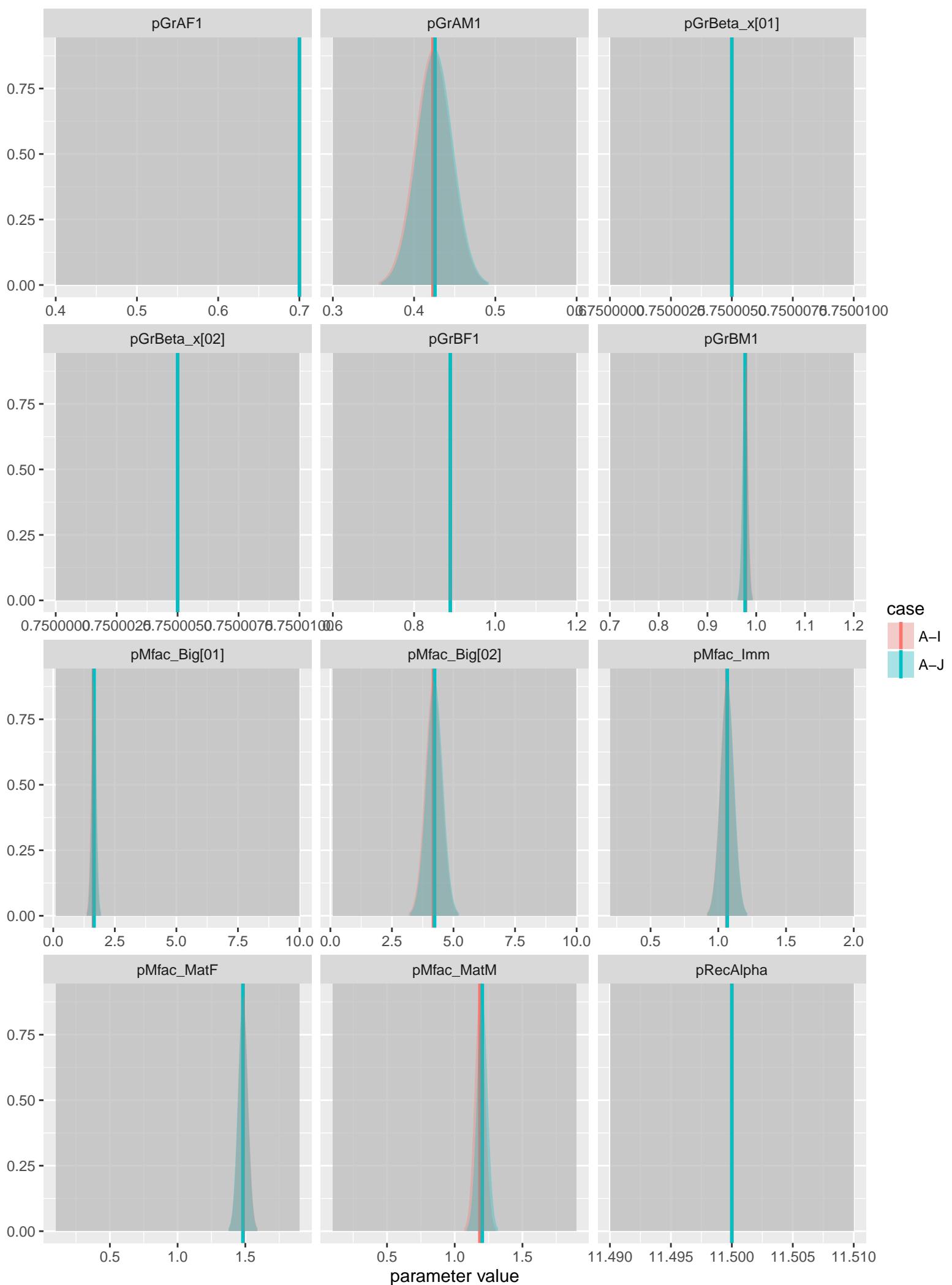
case
A-I
A-J

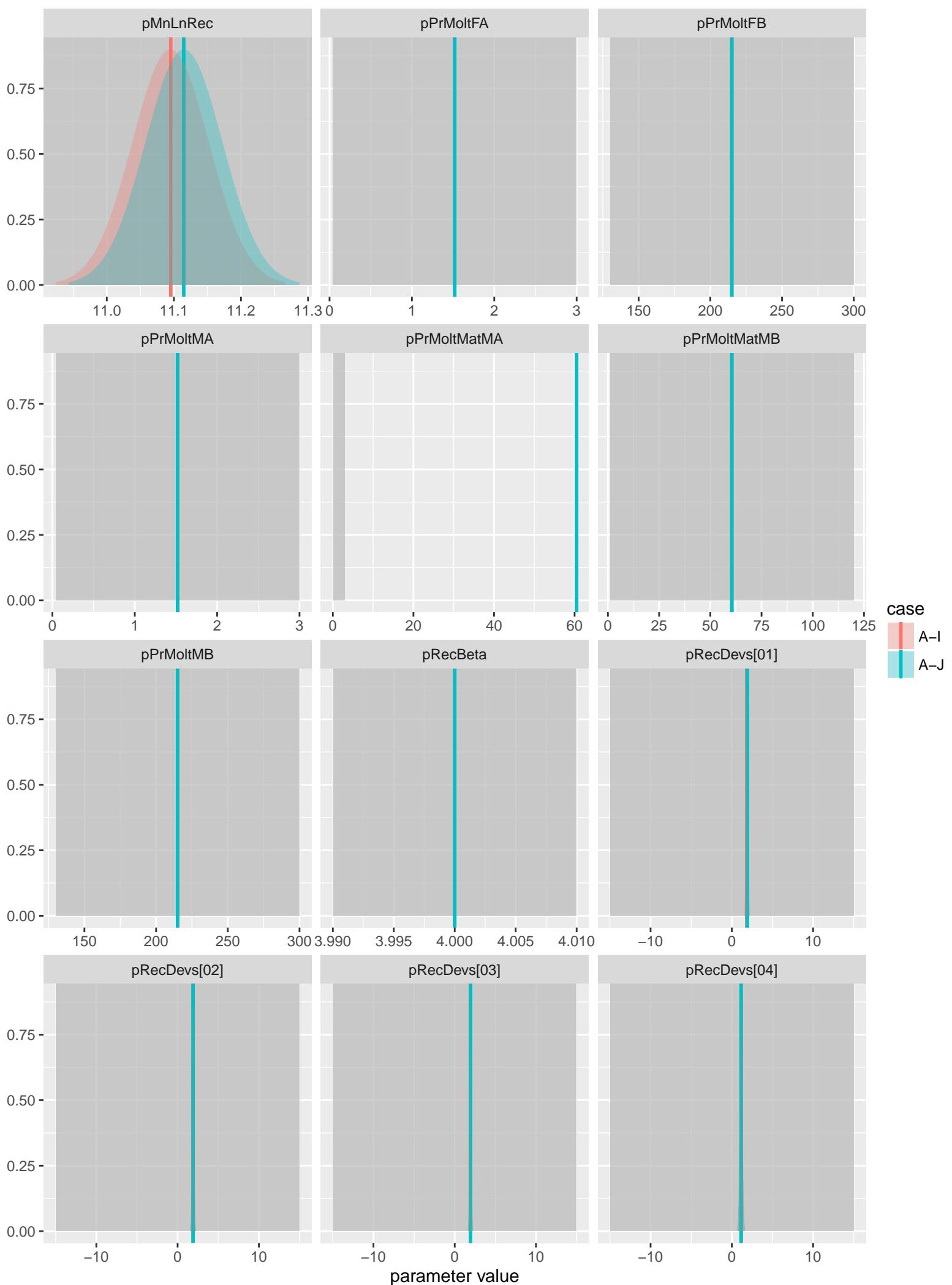
Groundfish bycatch fishing mortality

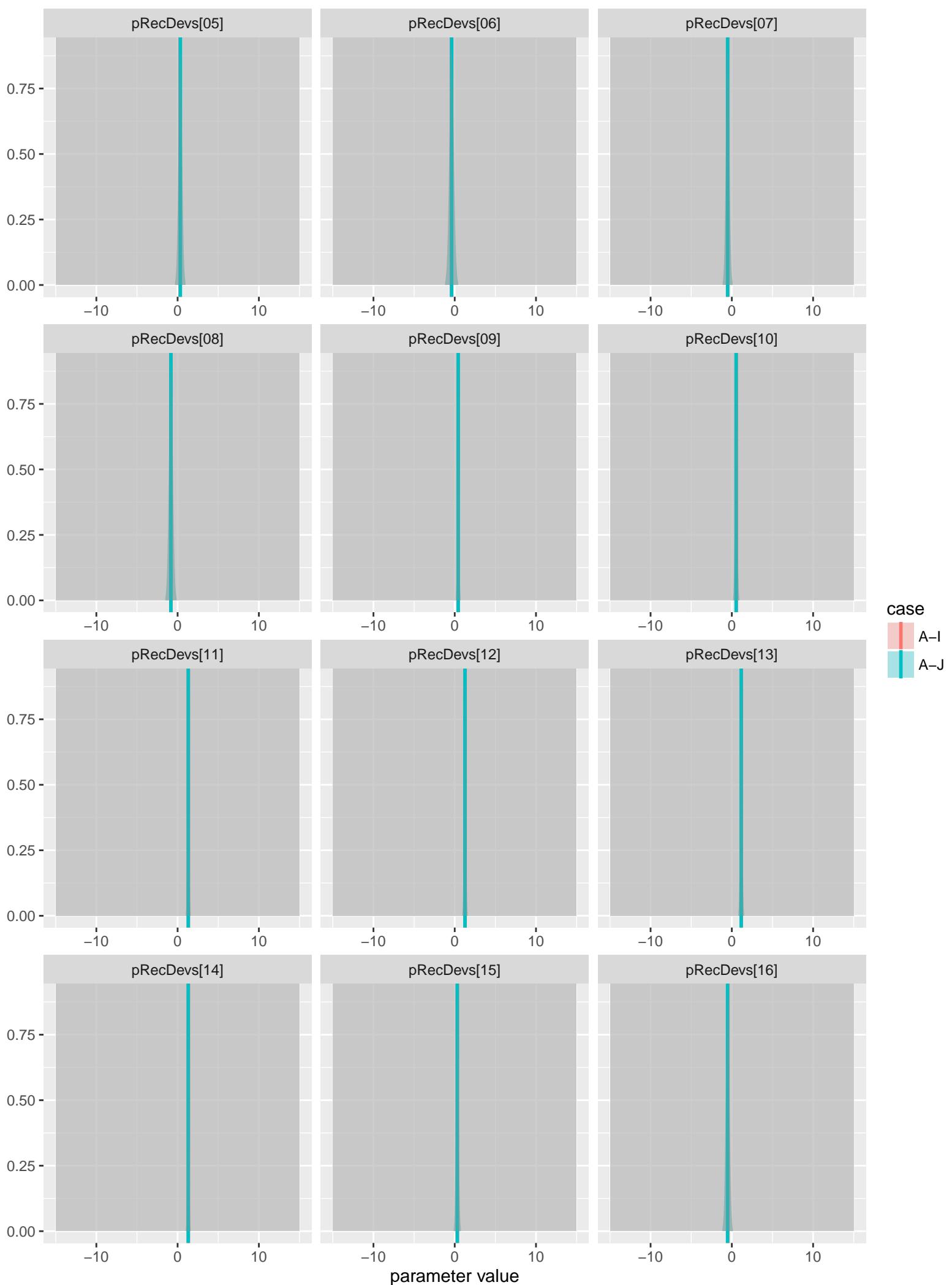


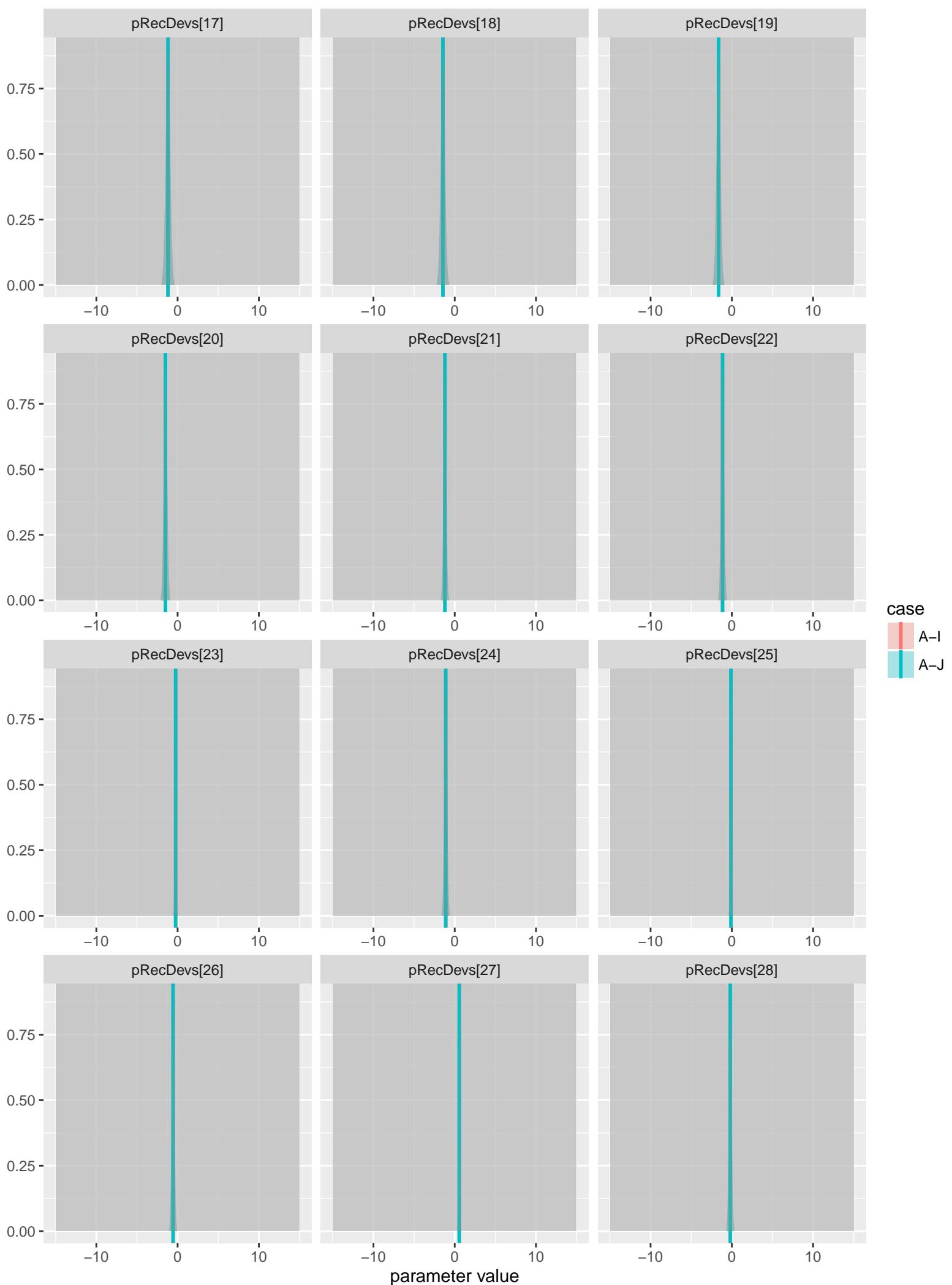
Groundfish bycatch fishing mortality

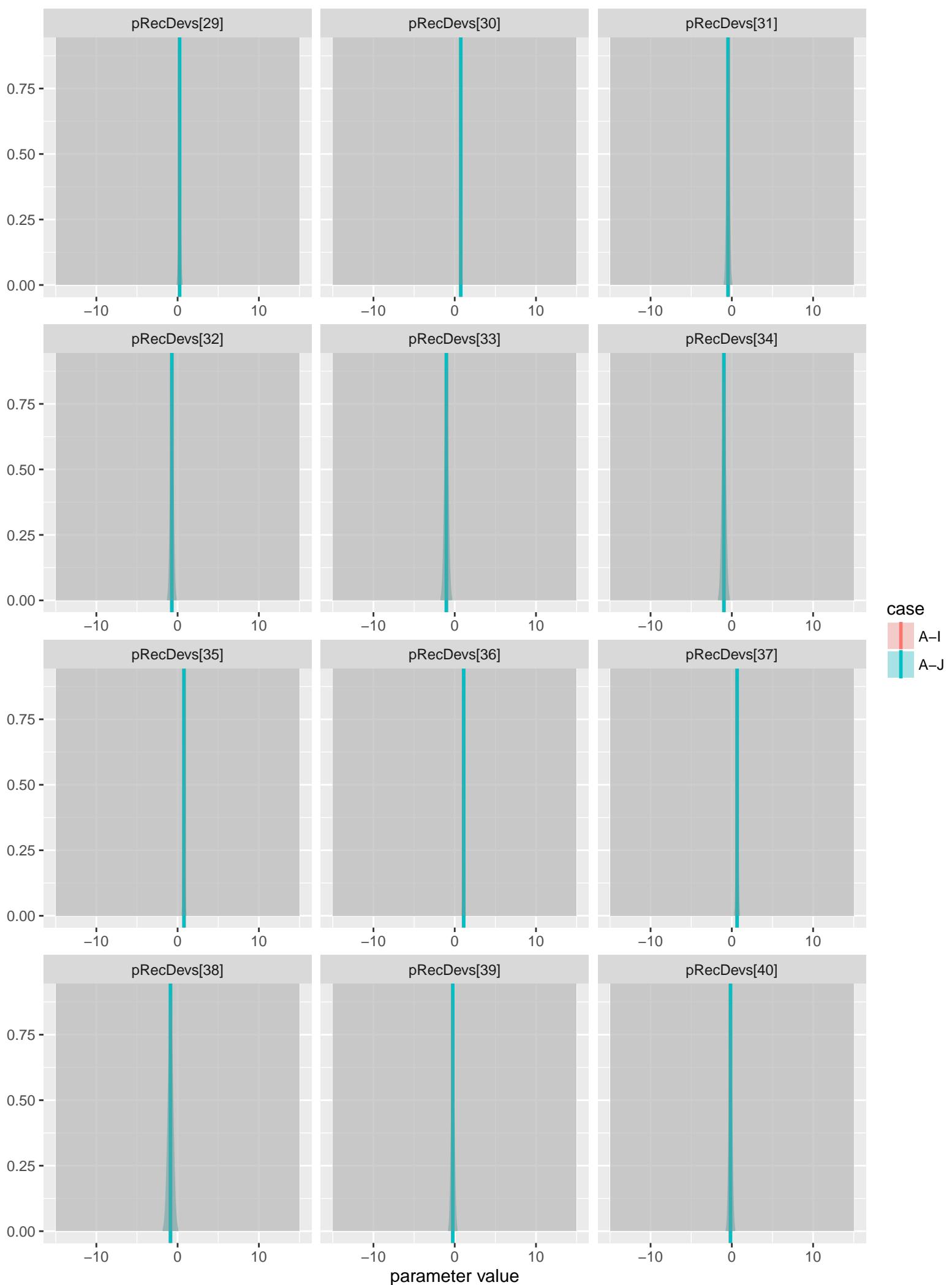


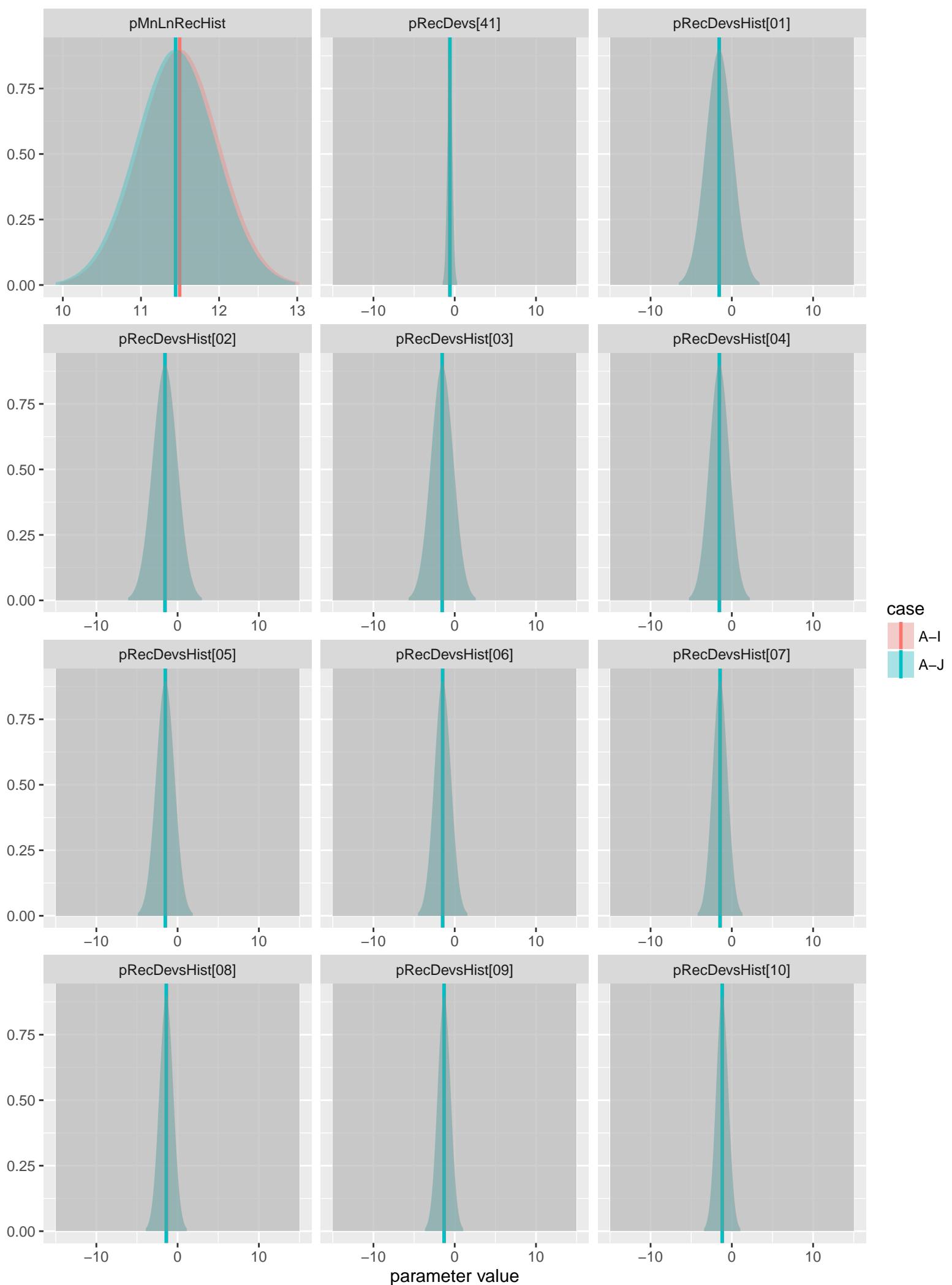


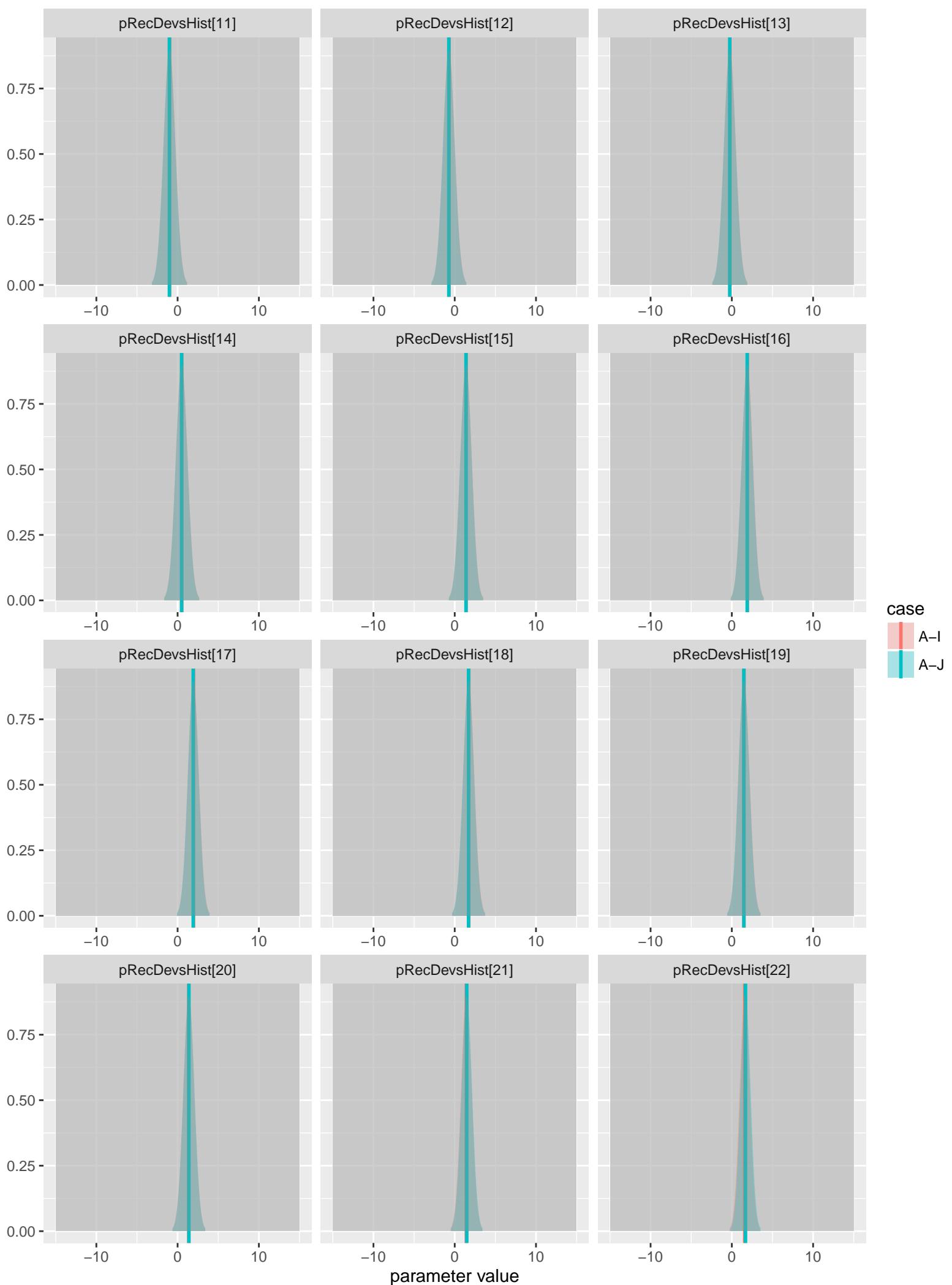


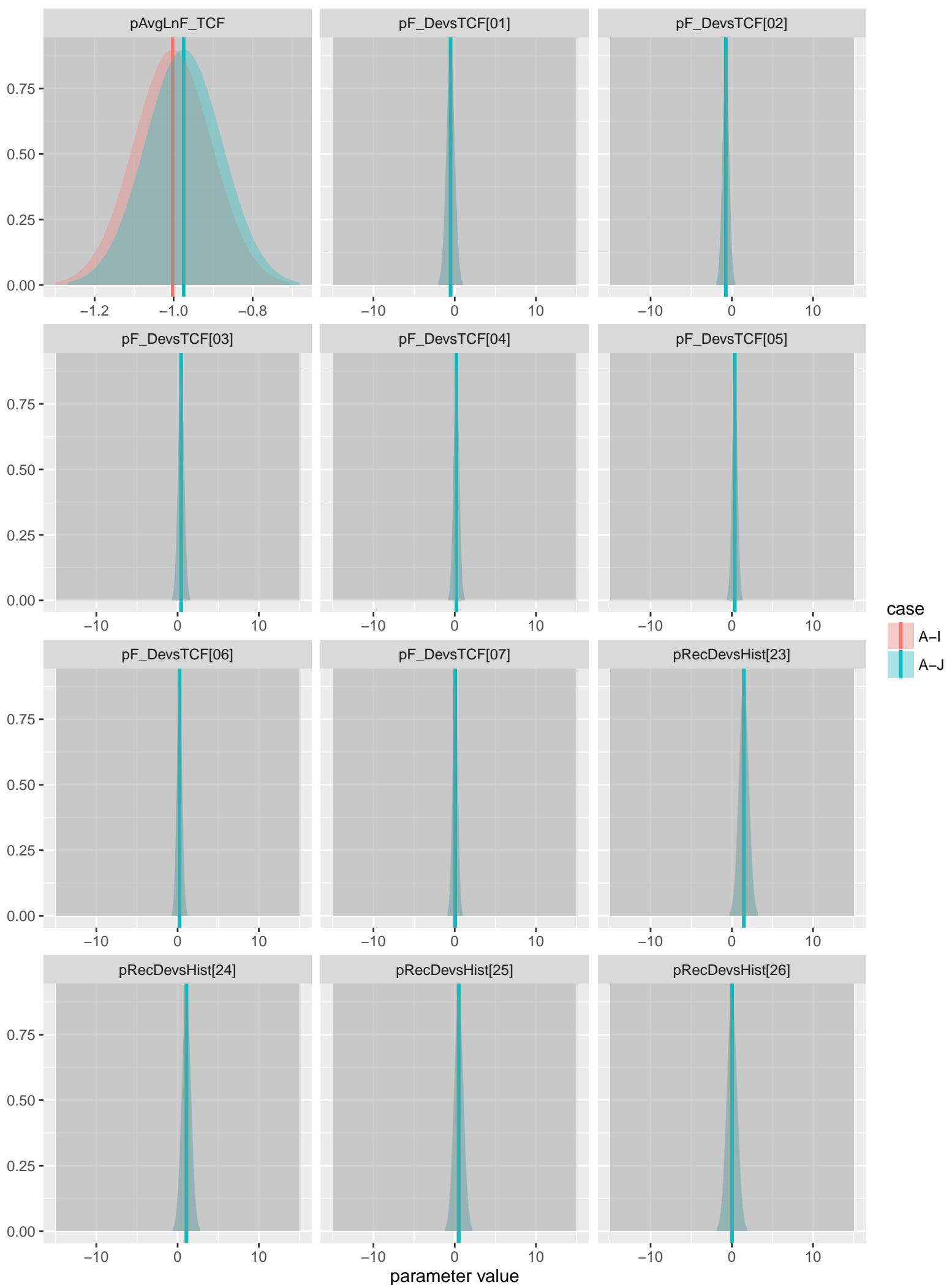


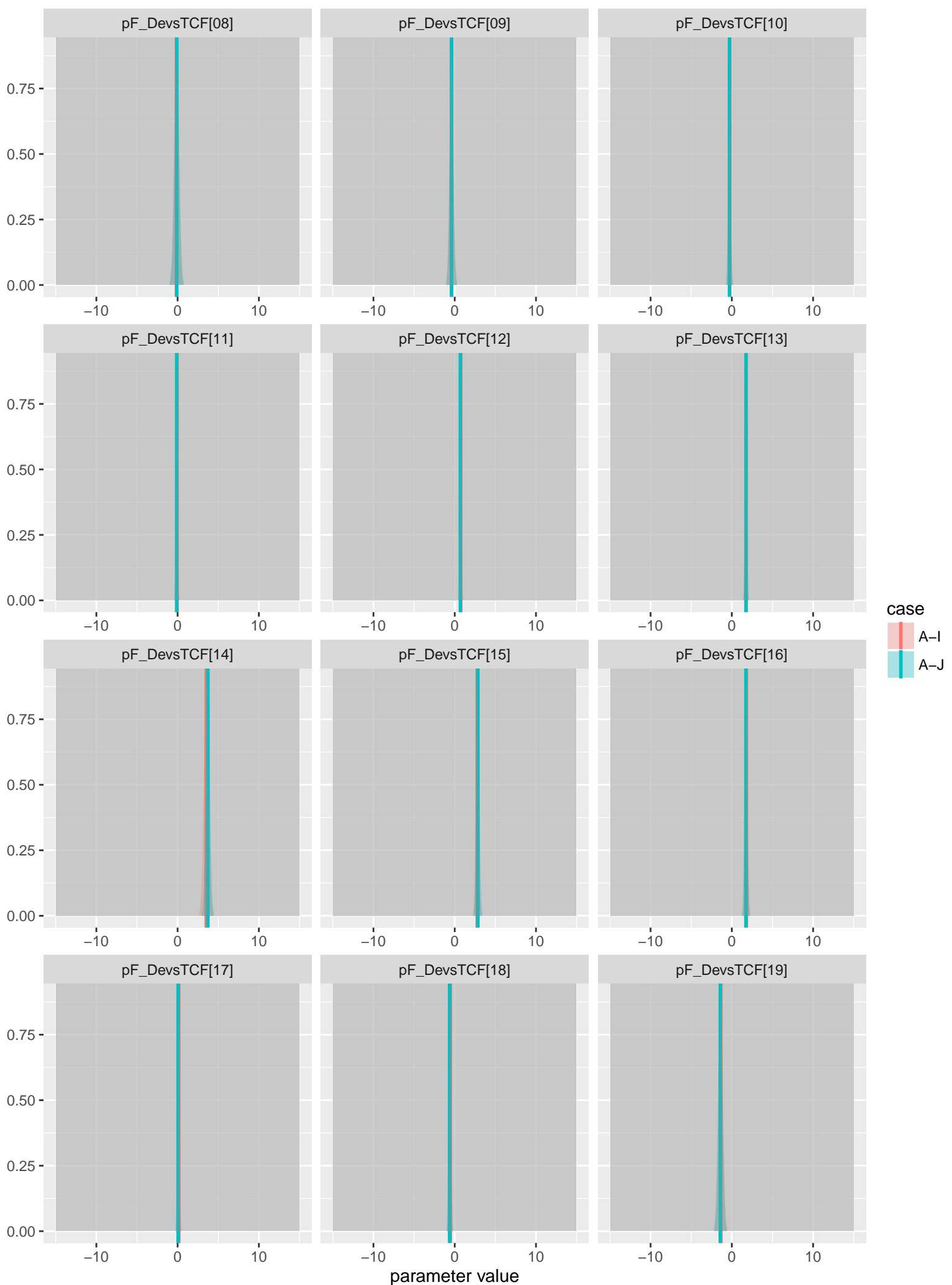


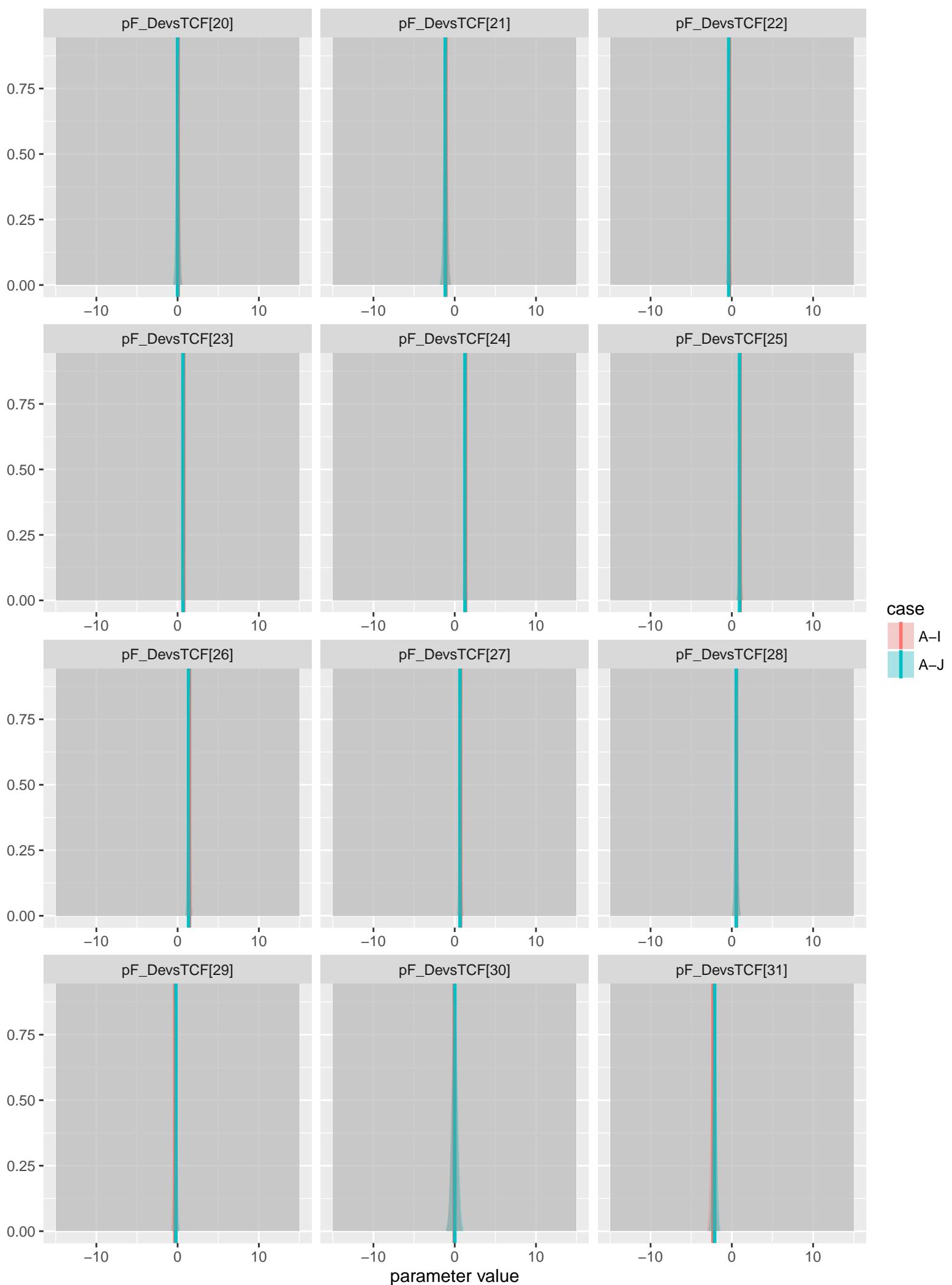


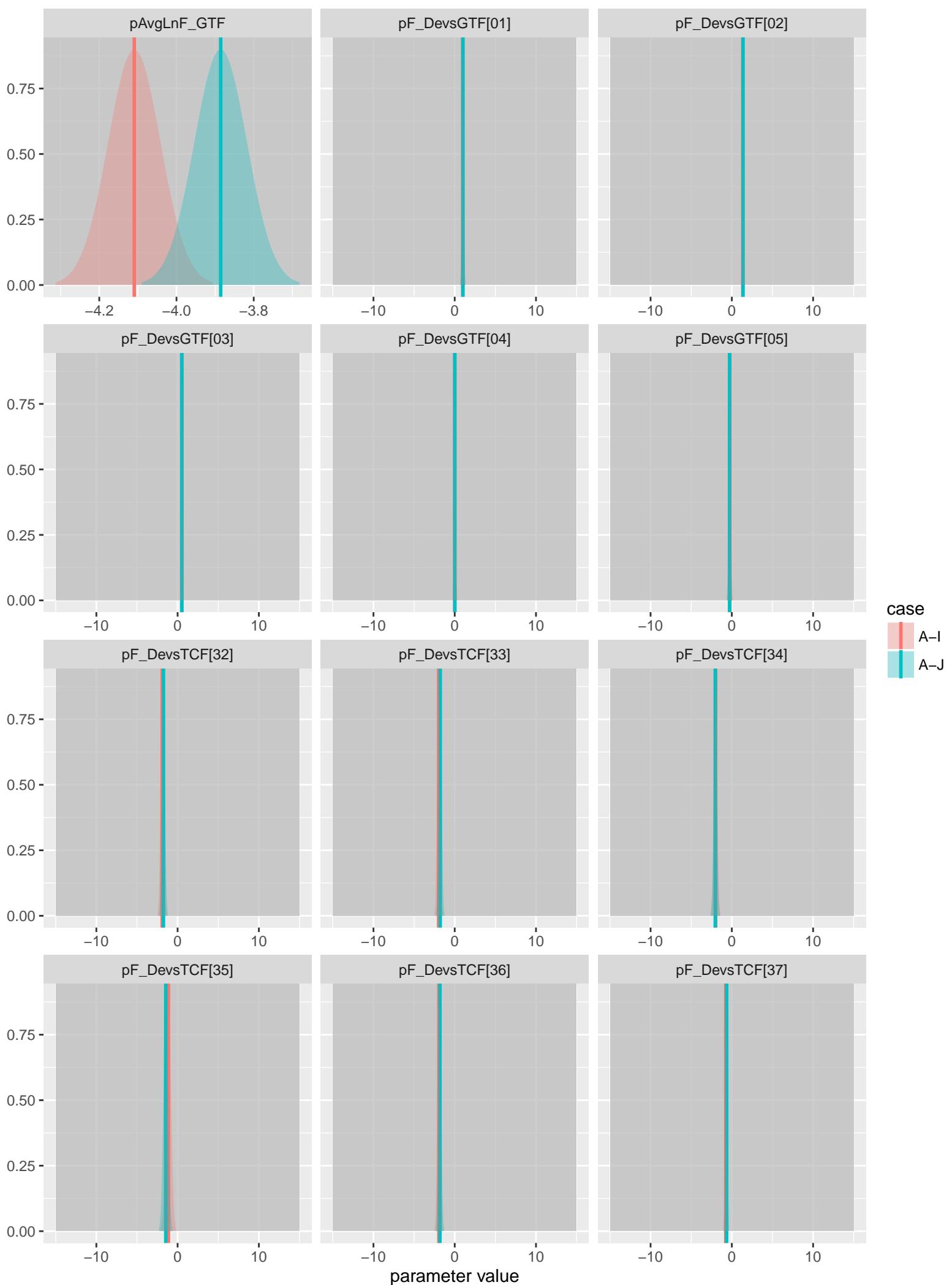


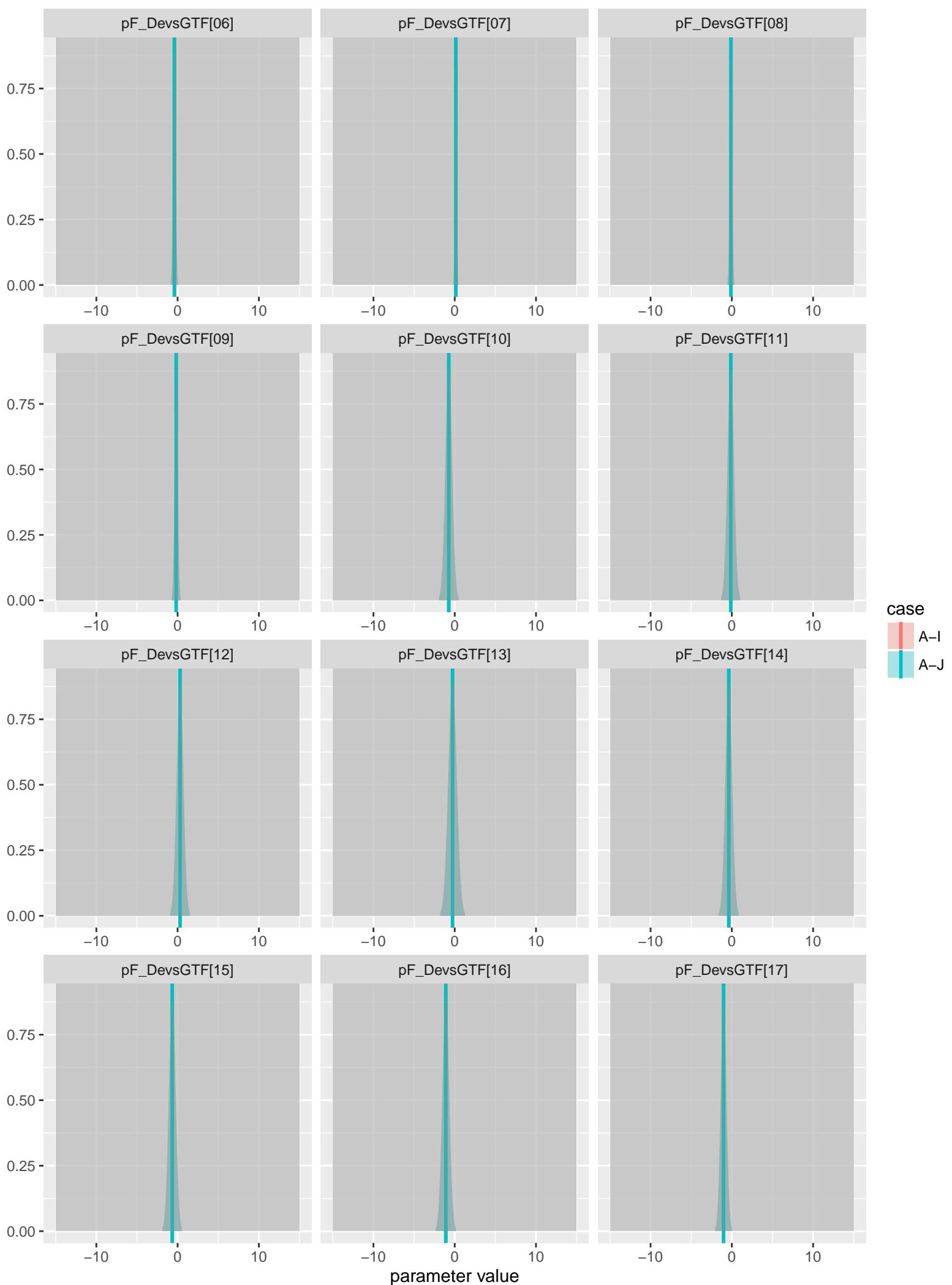


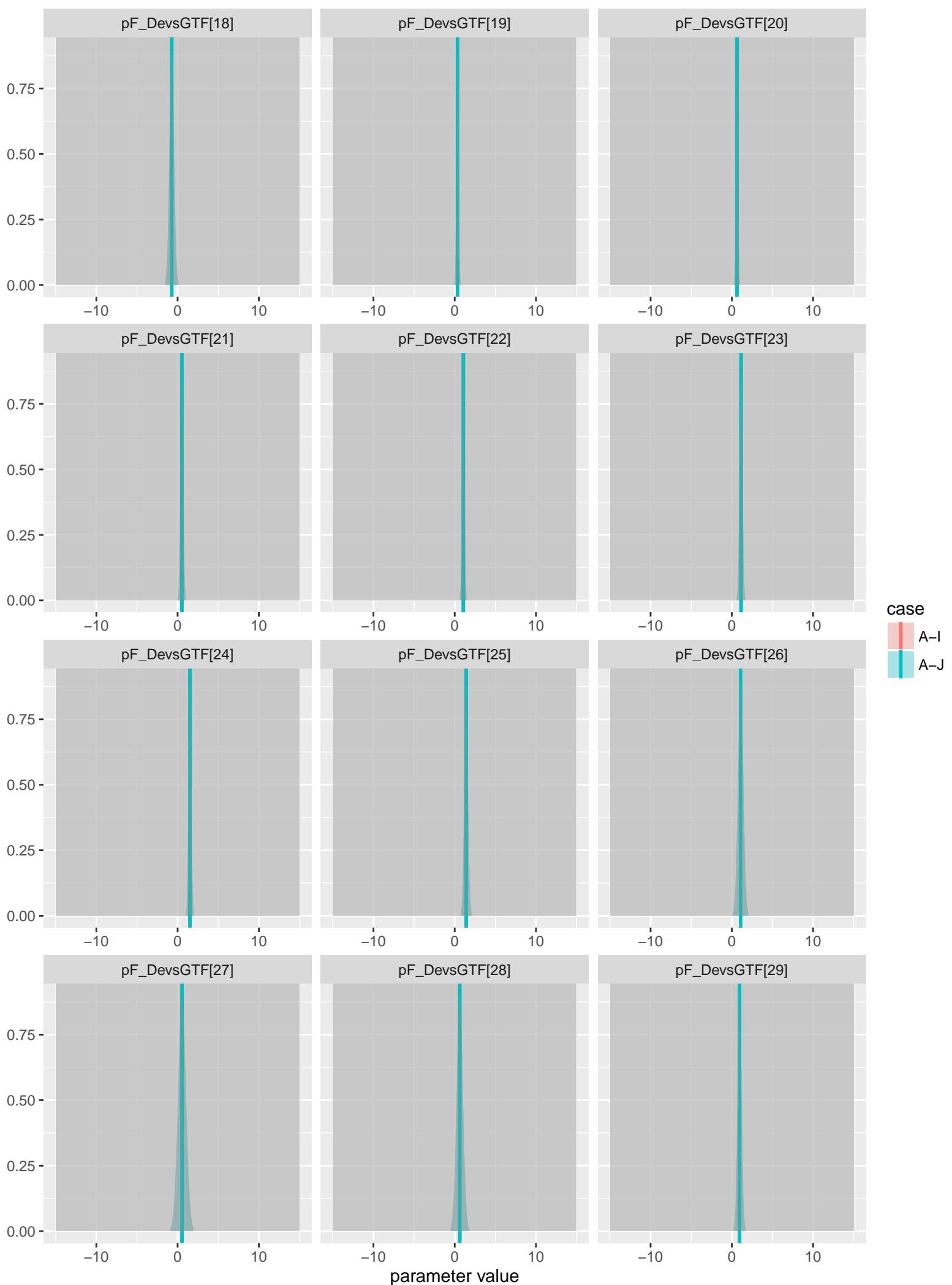


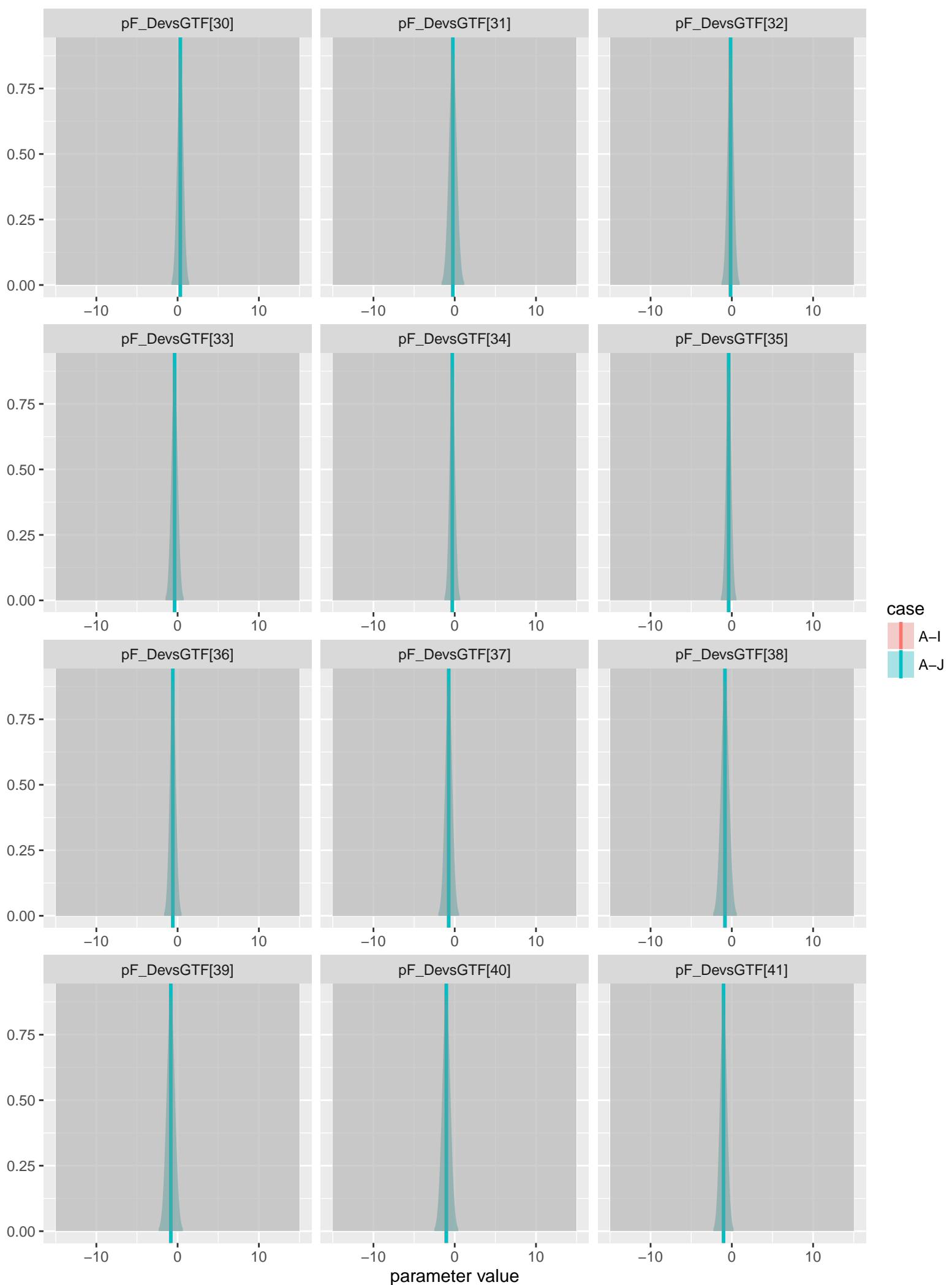


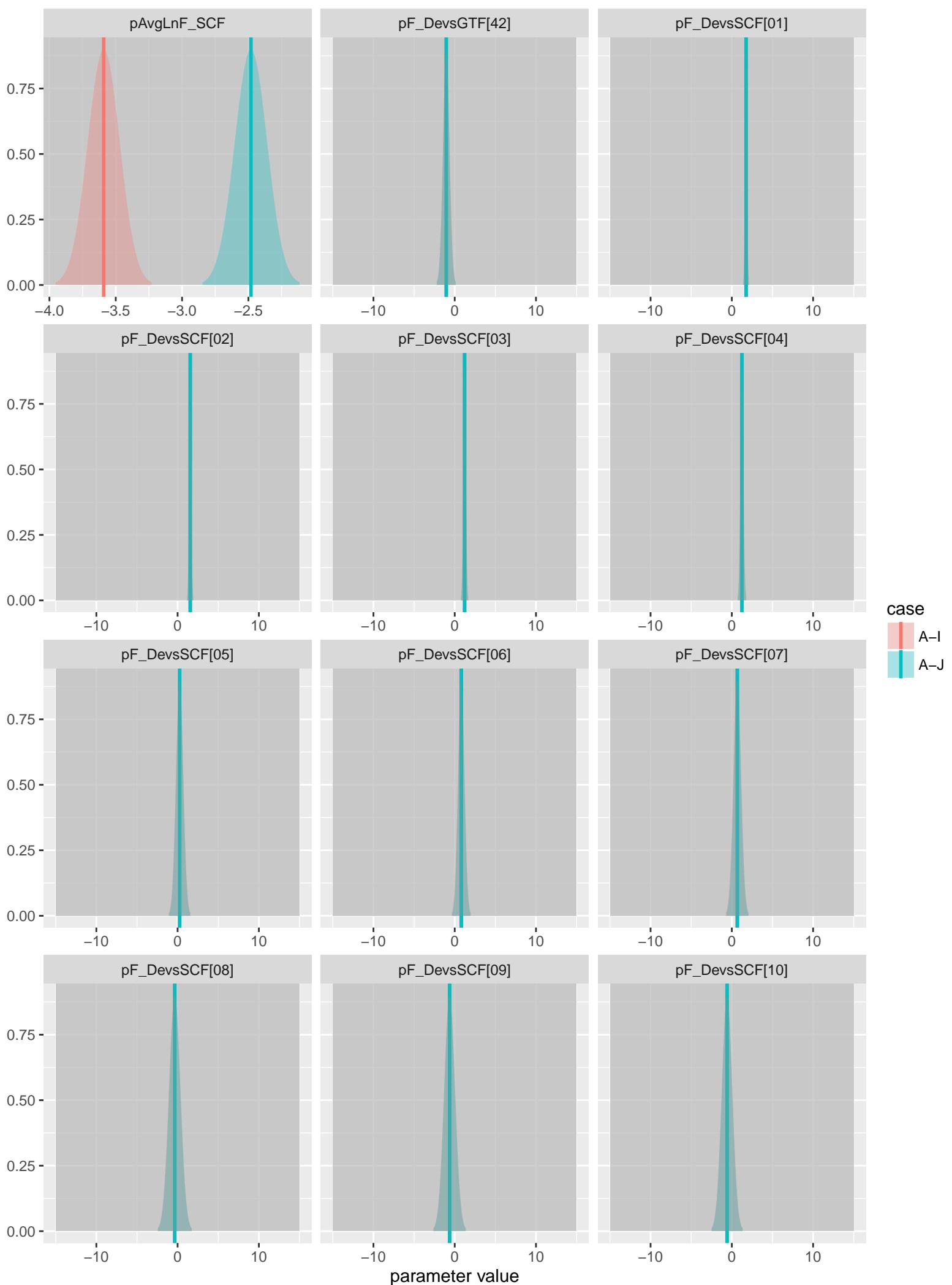


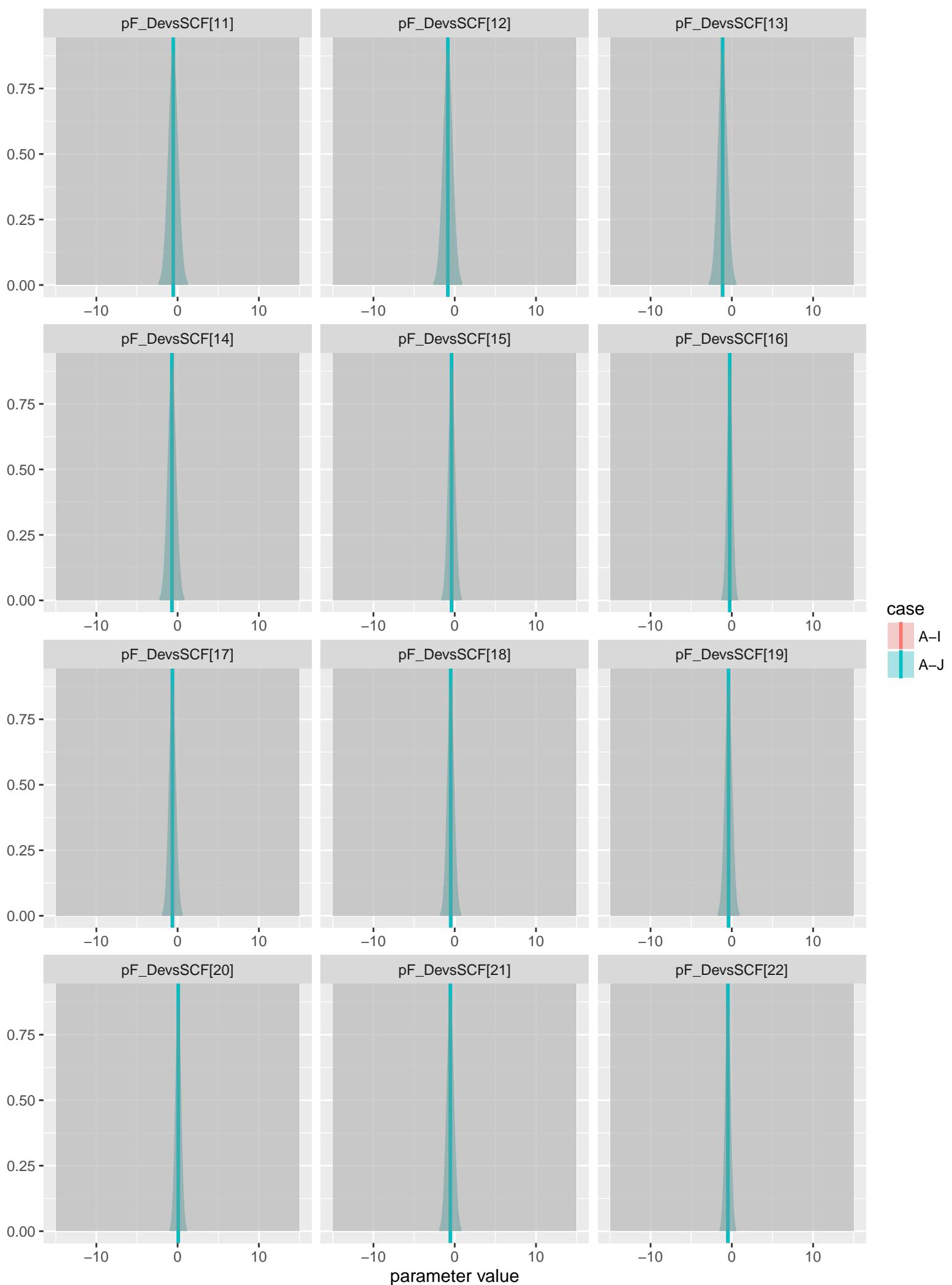


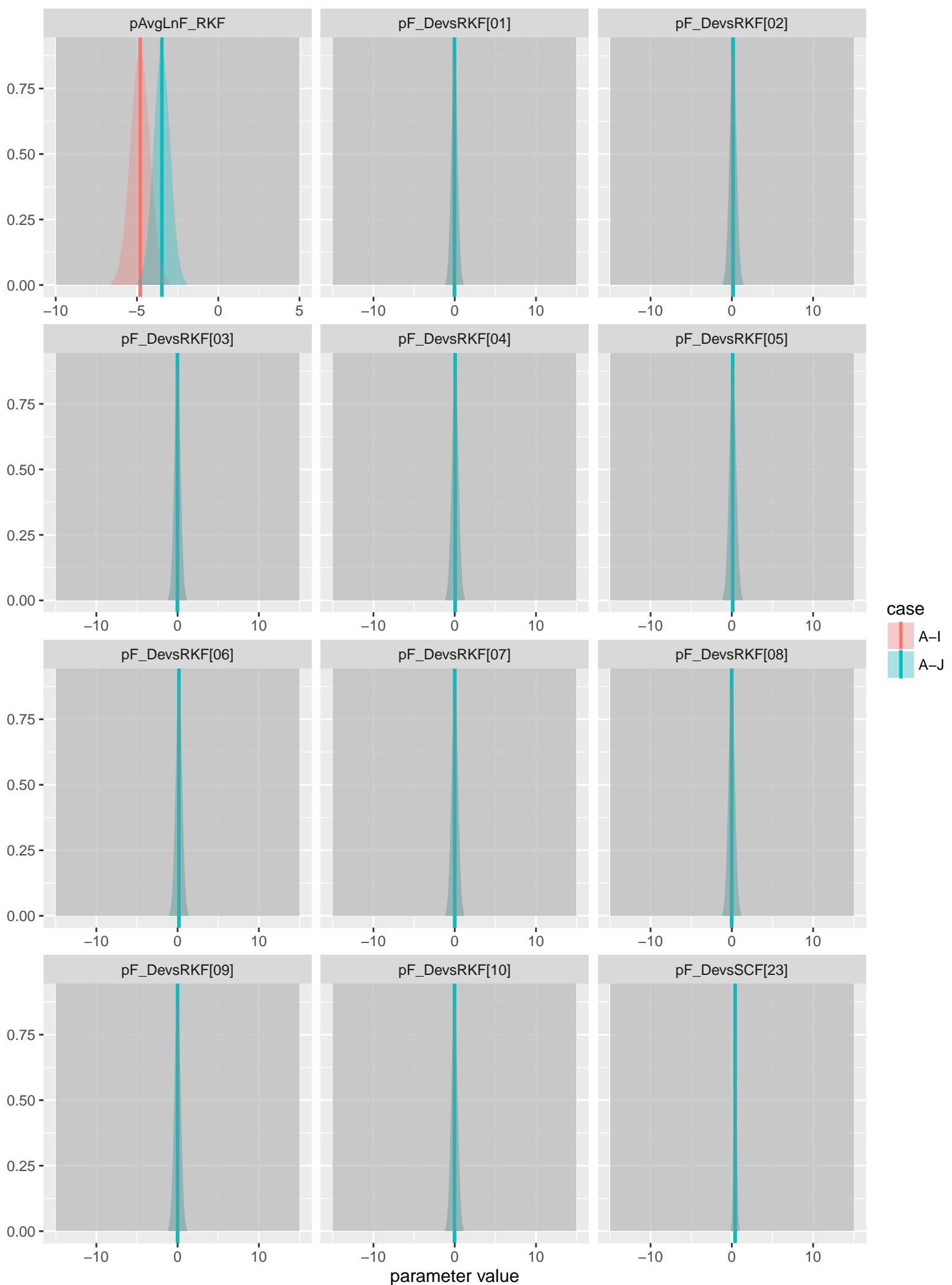


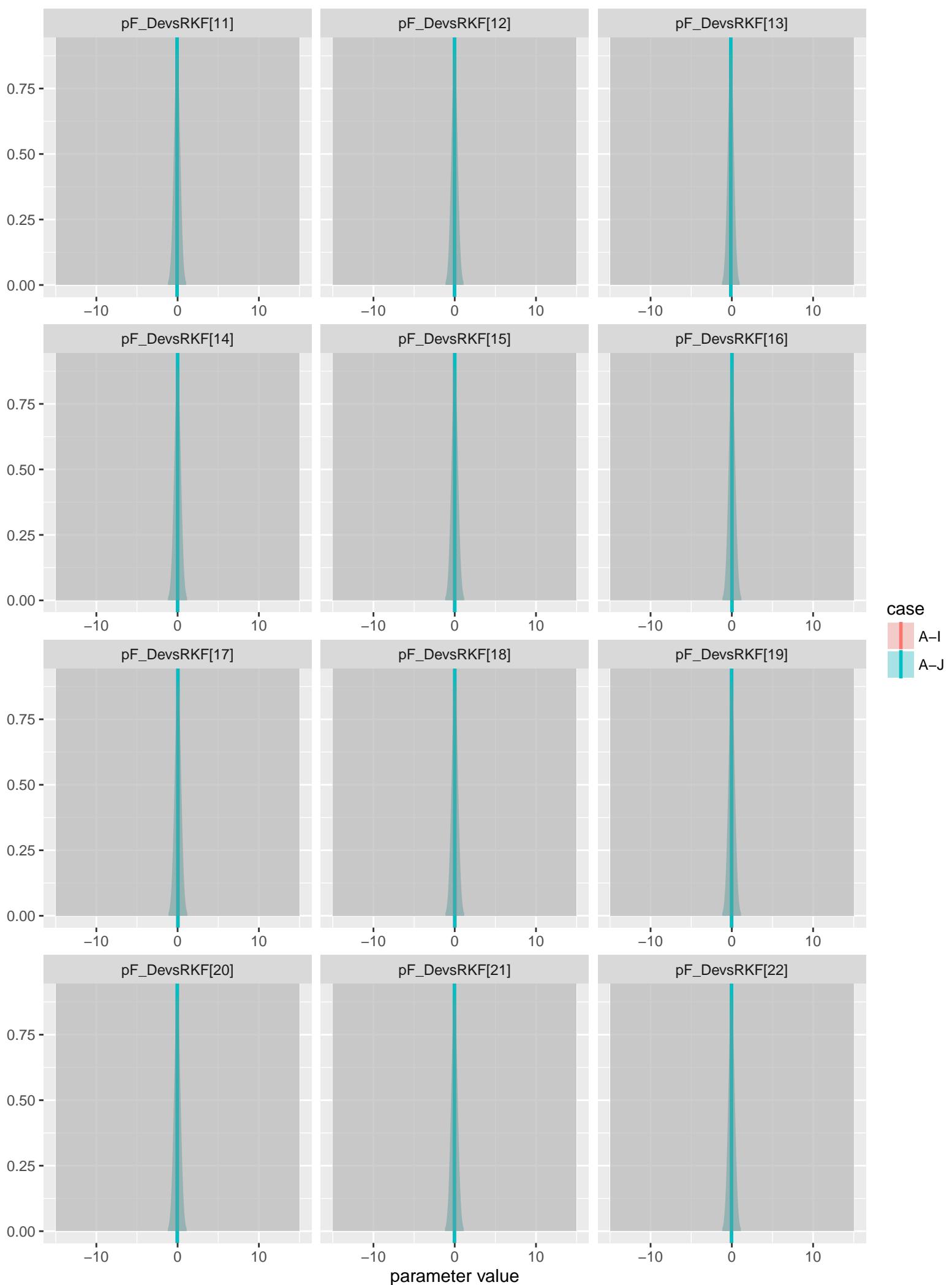


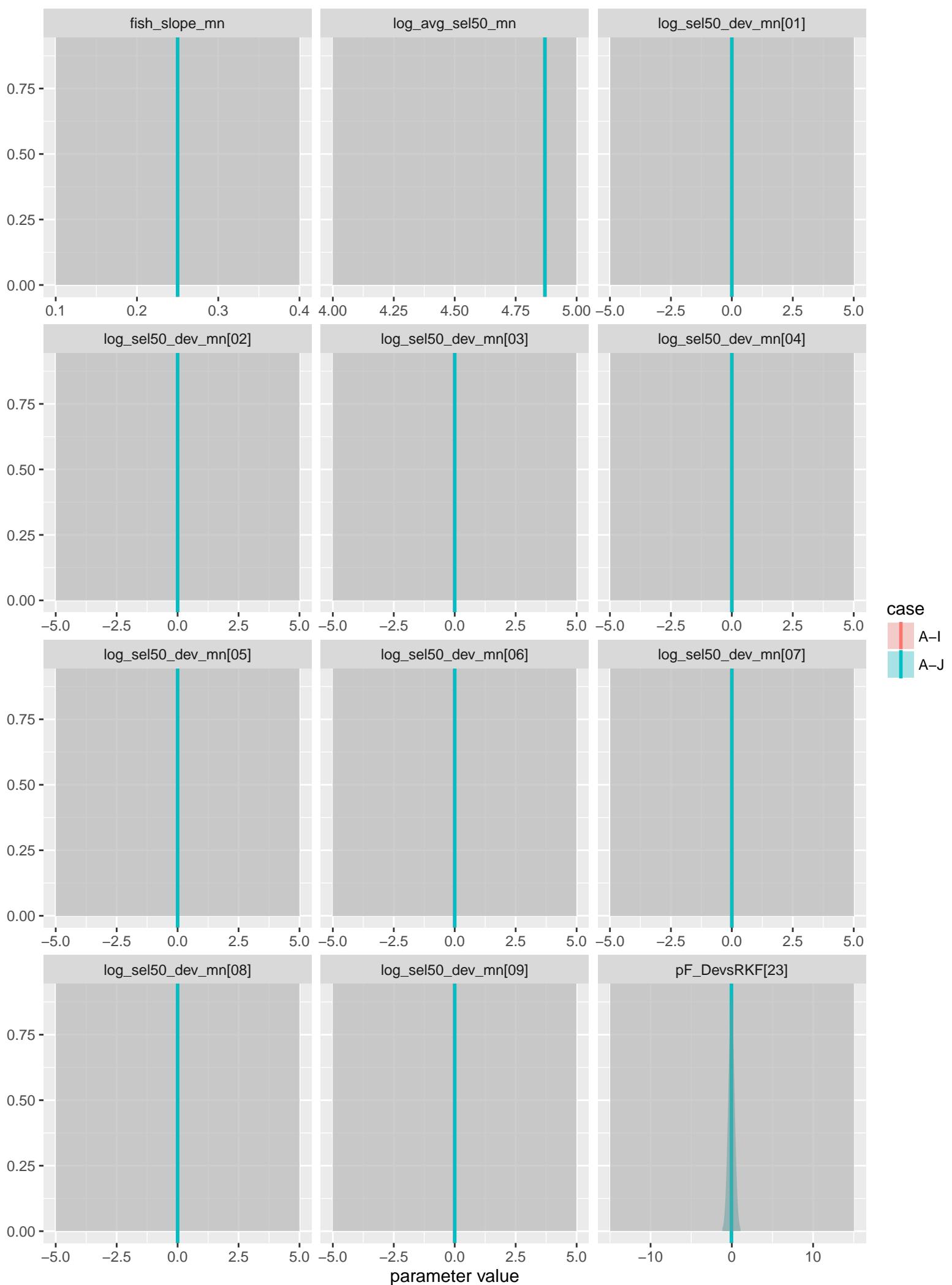




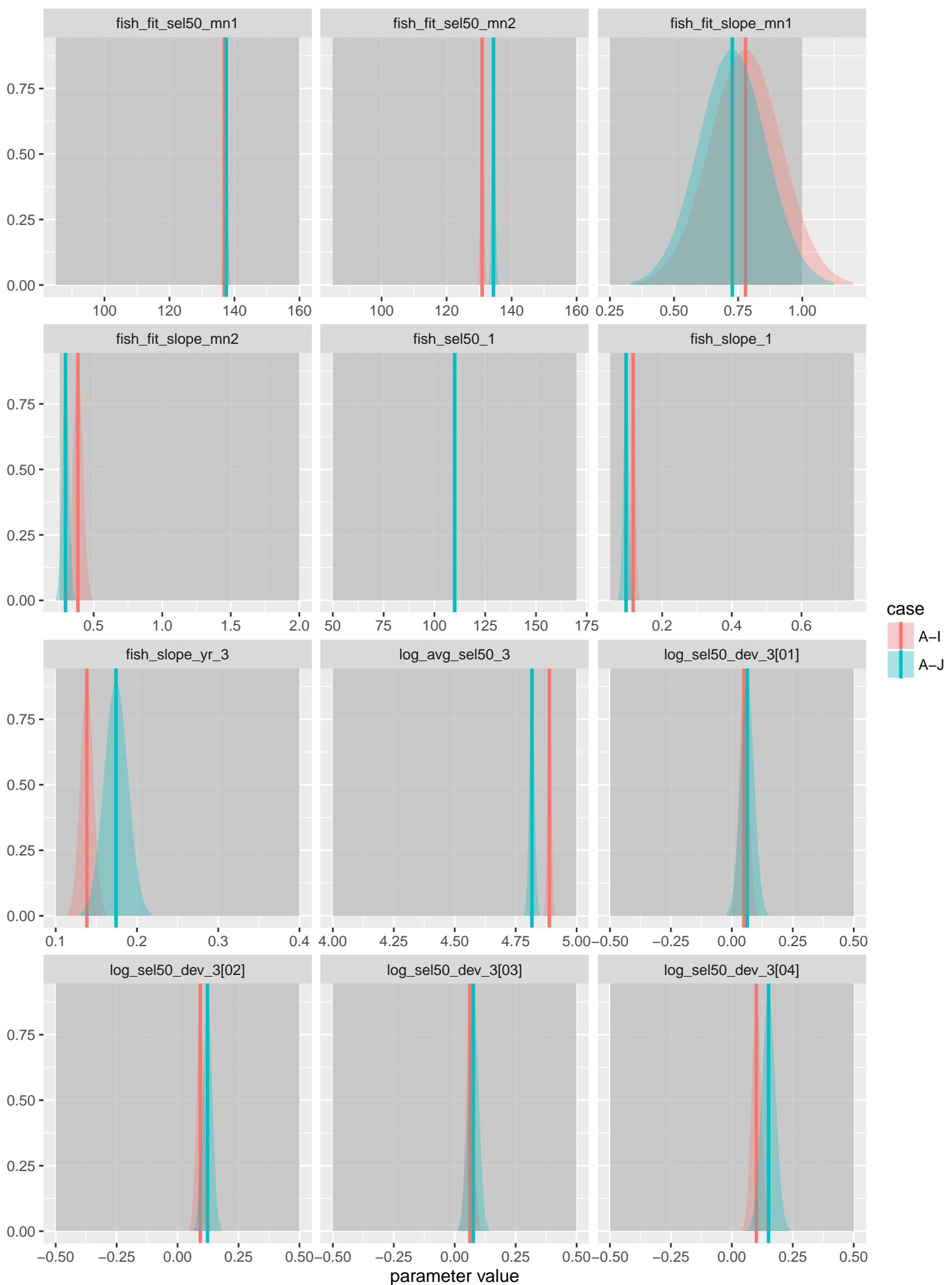


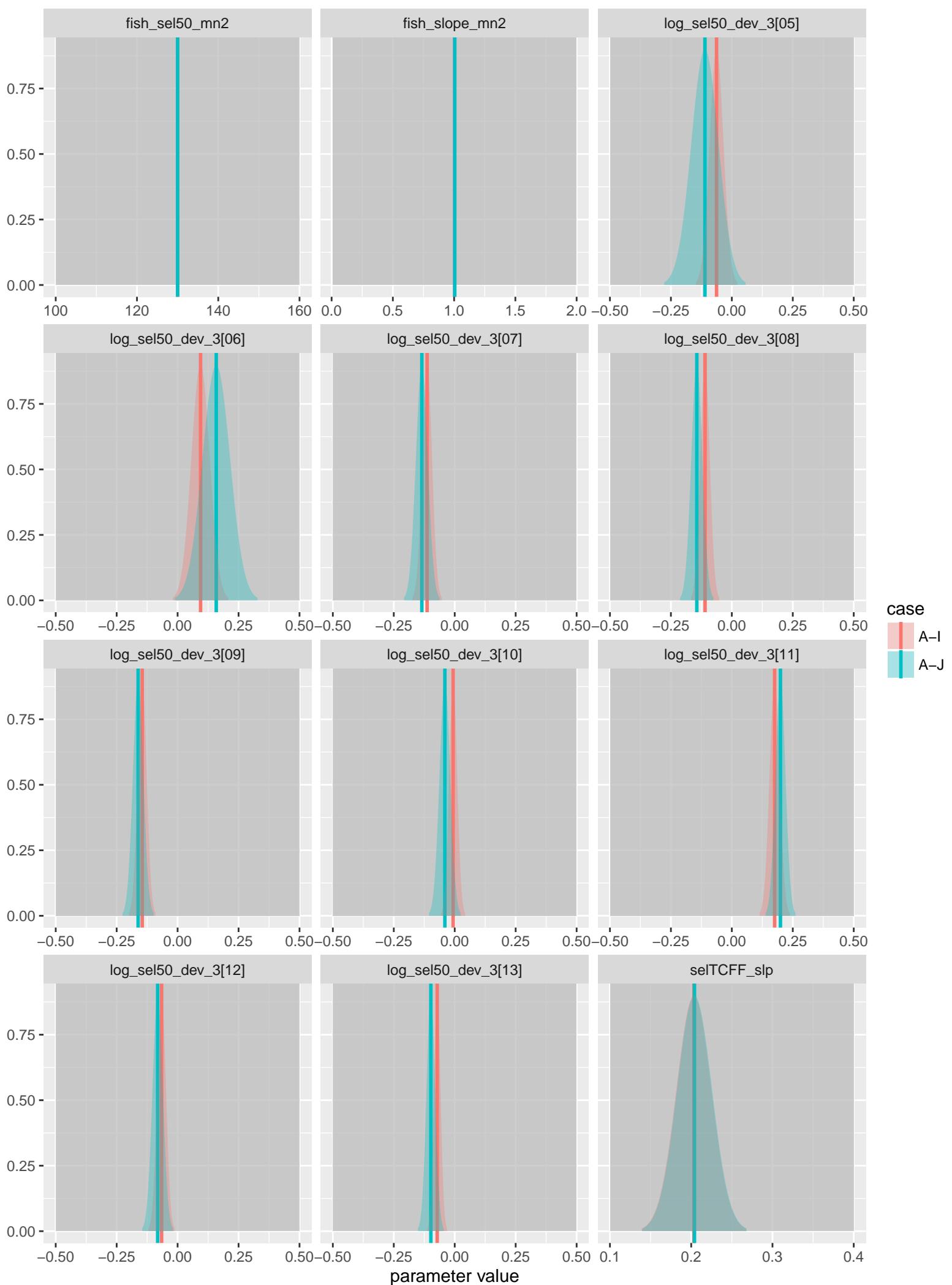


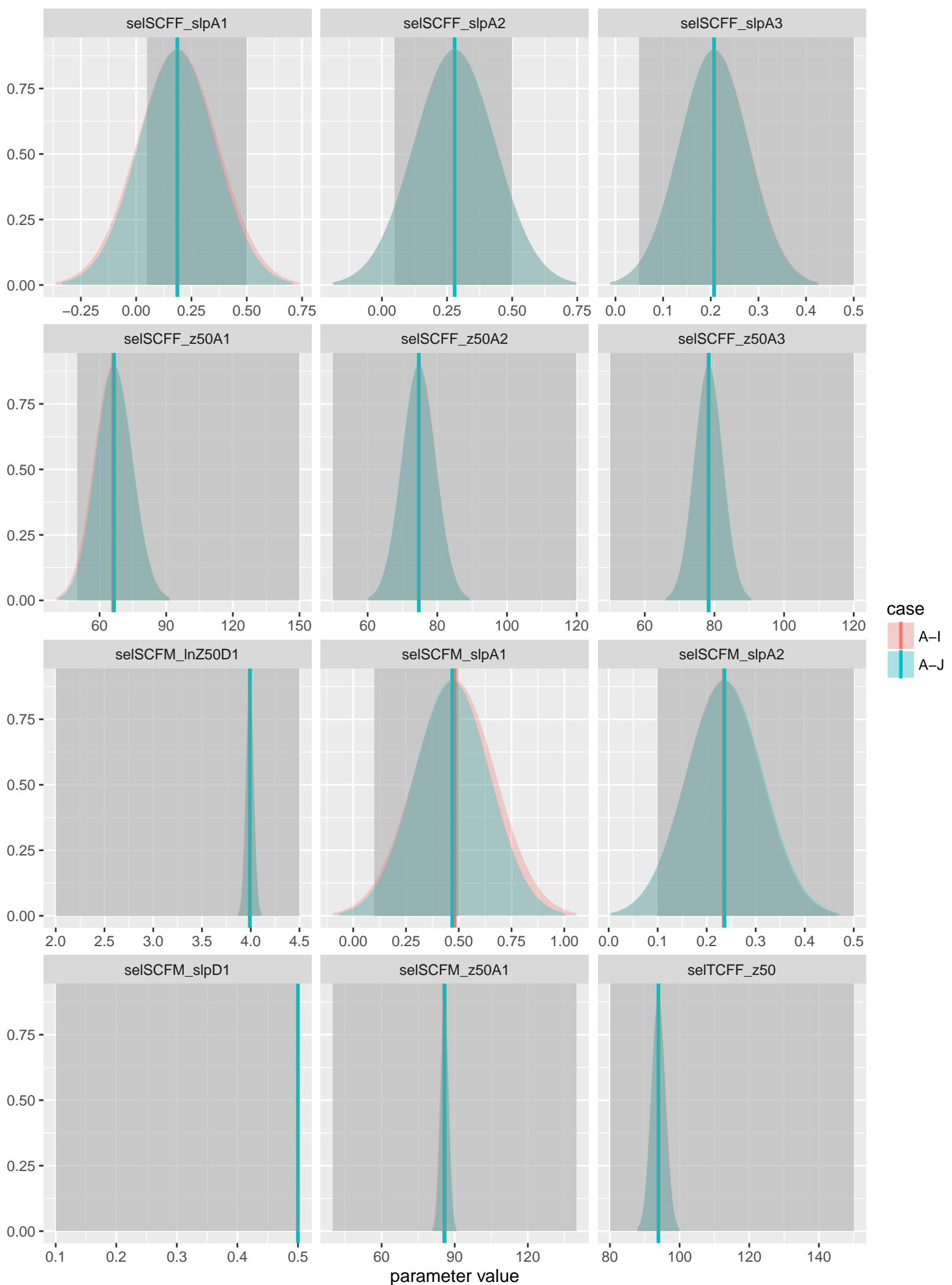


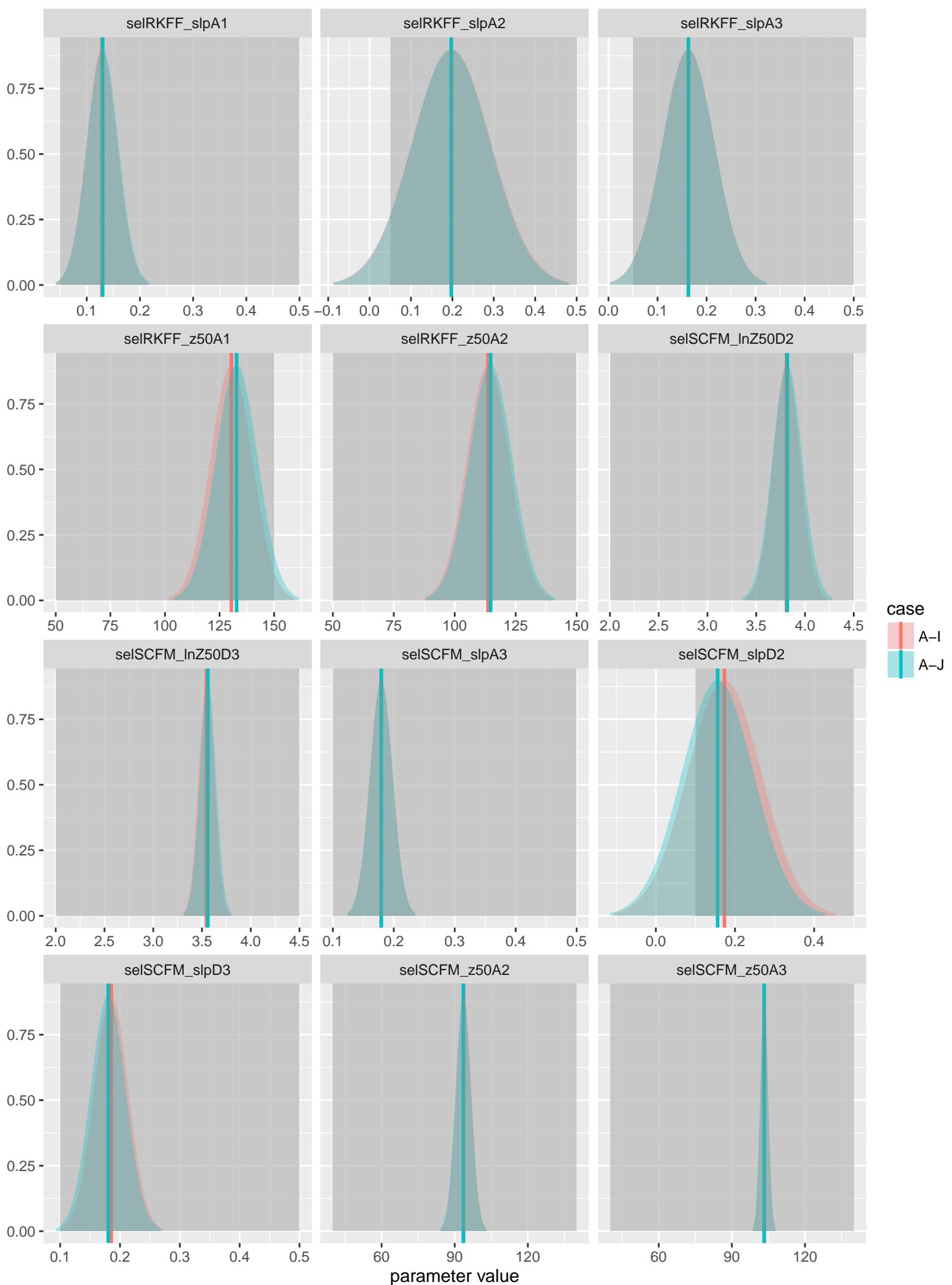


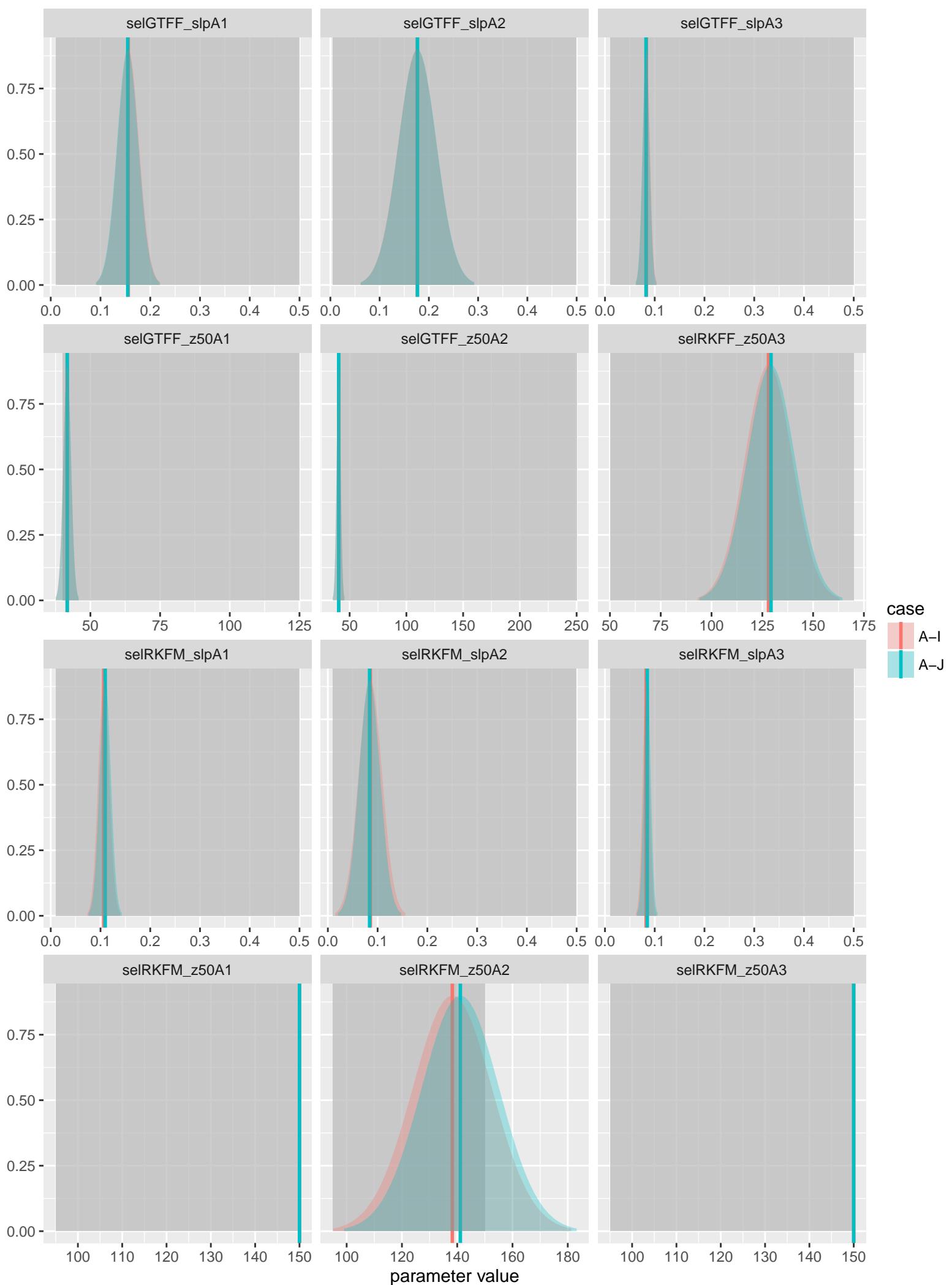


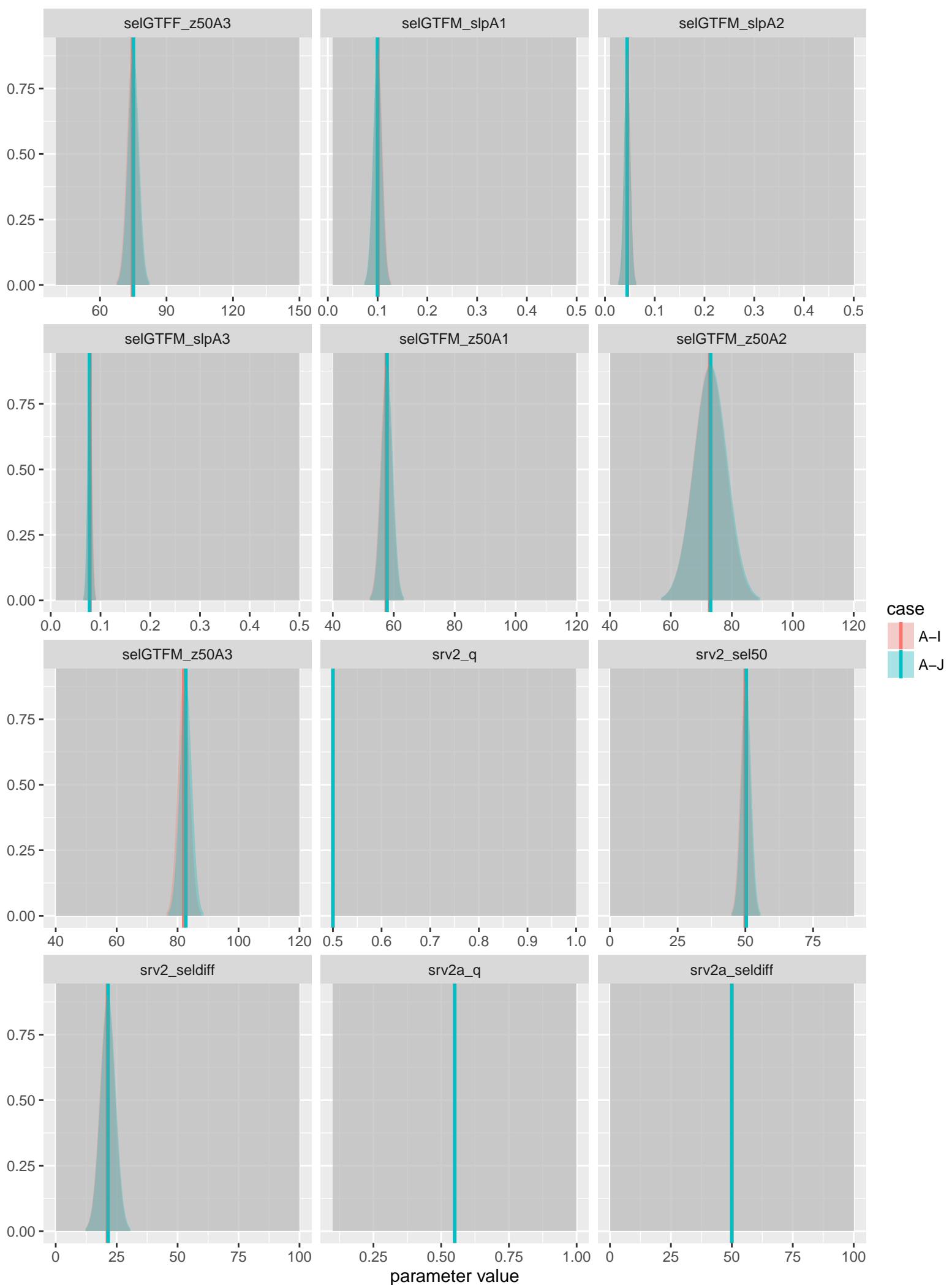


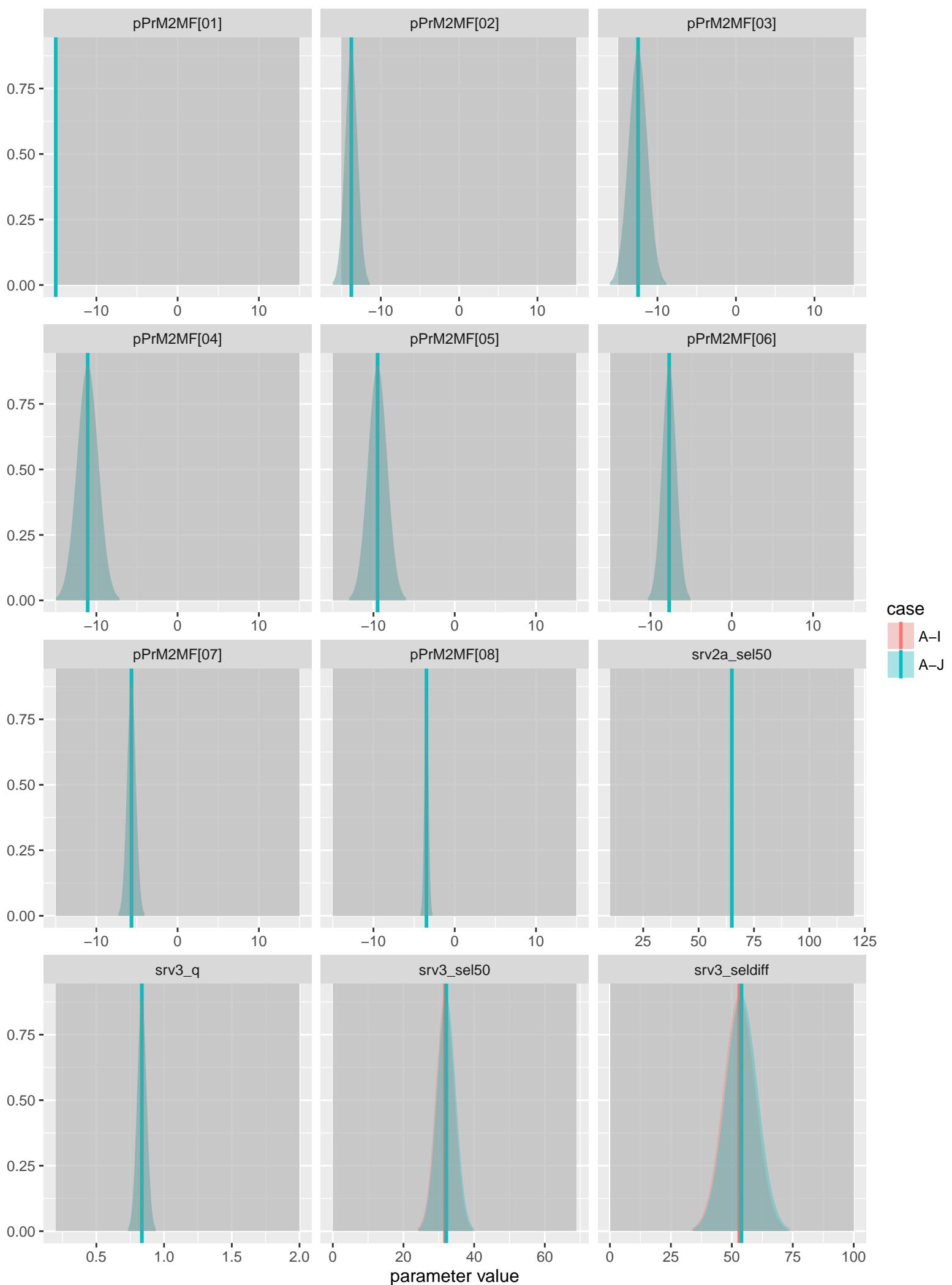


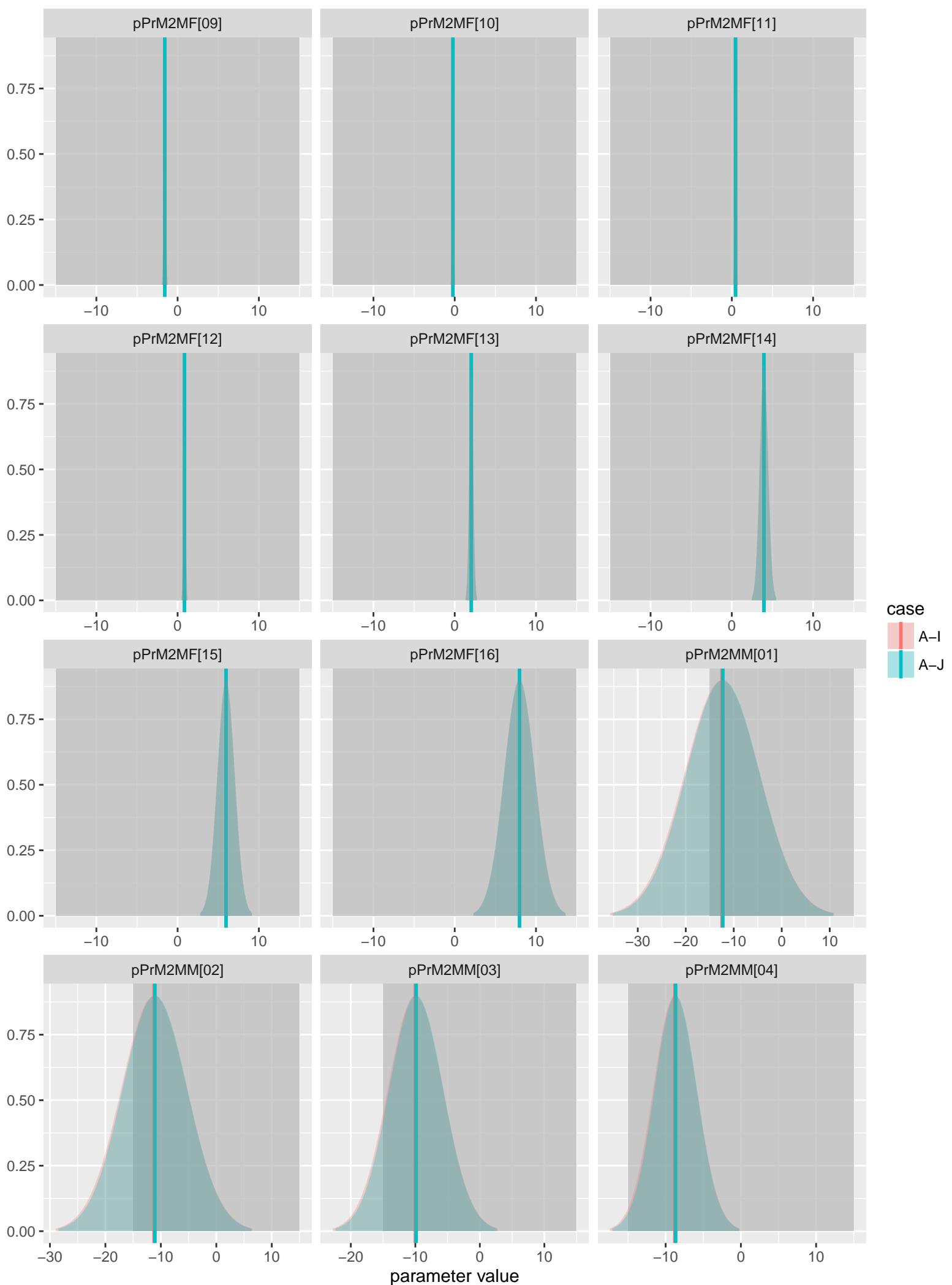


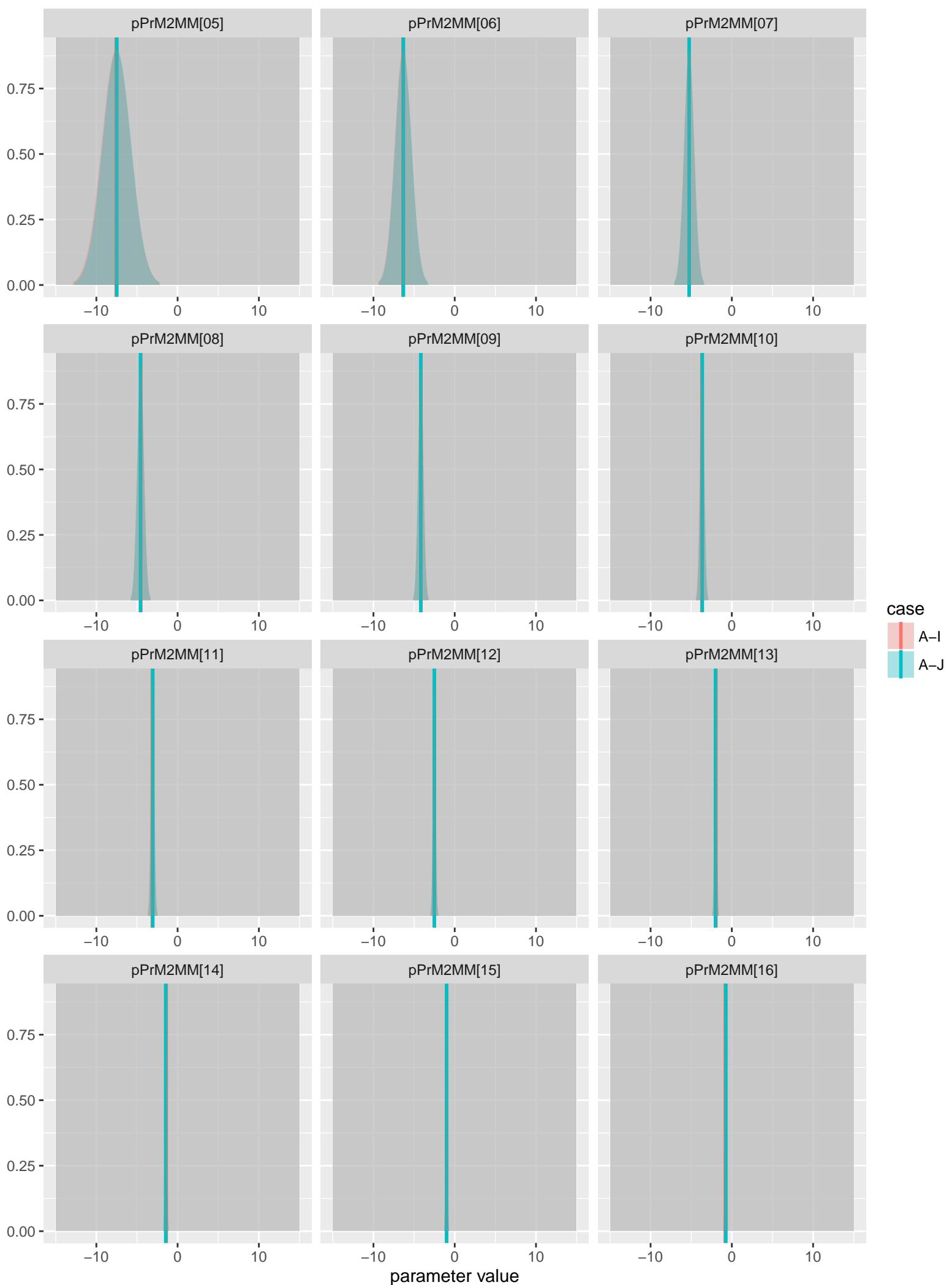


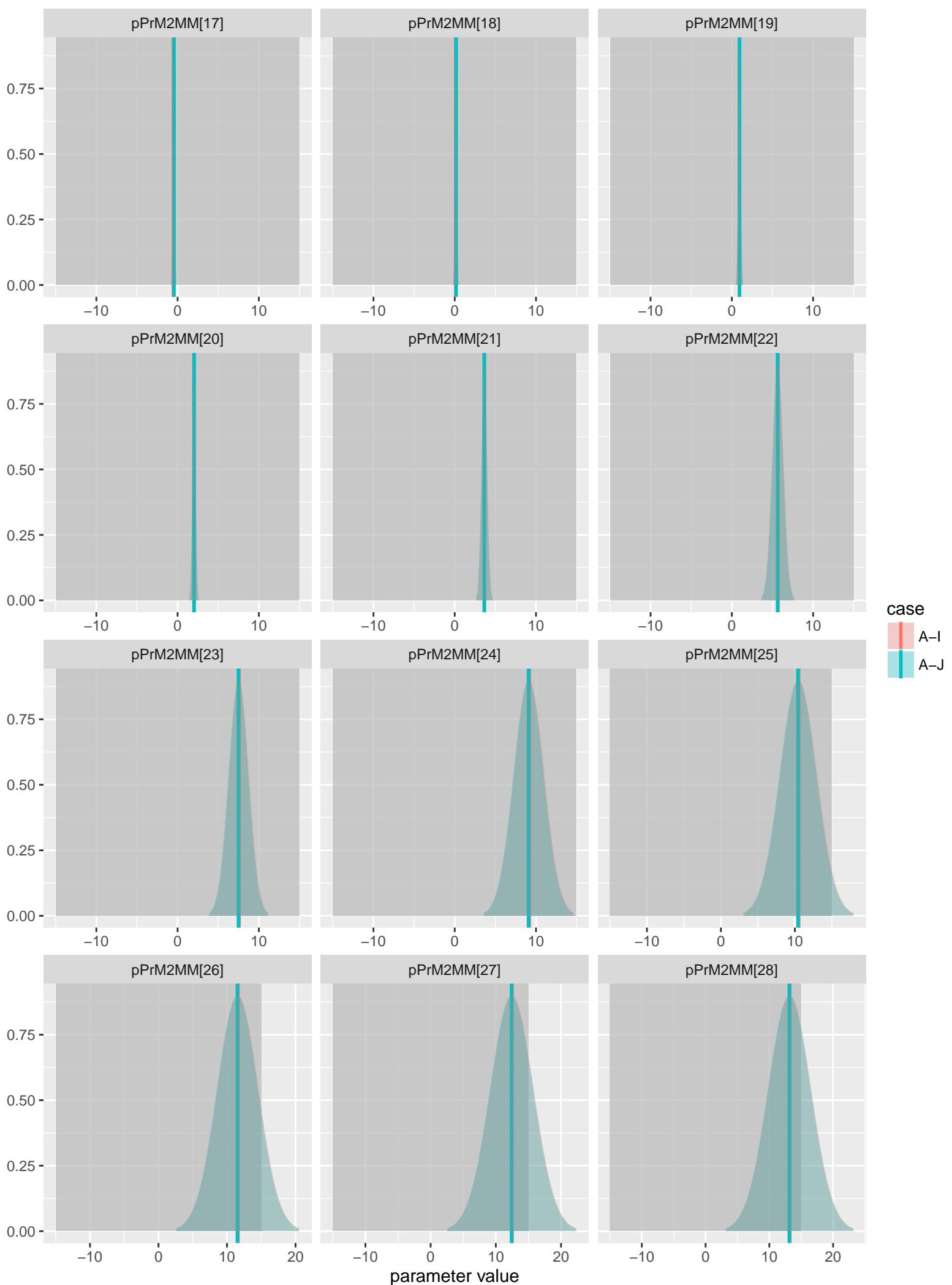


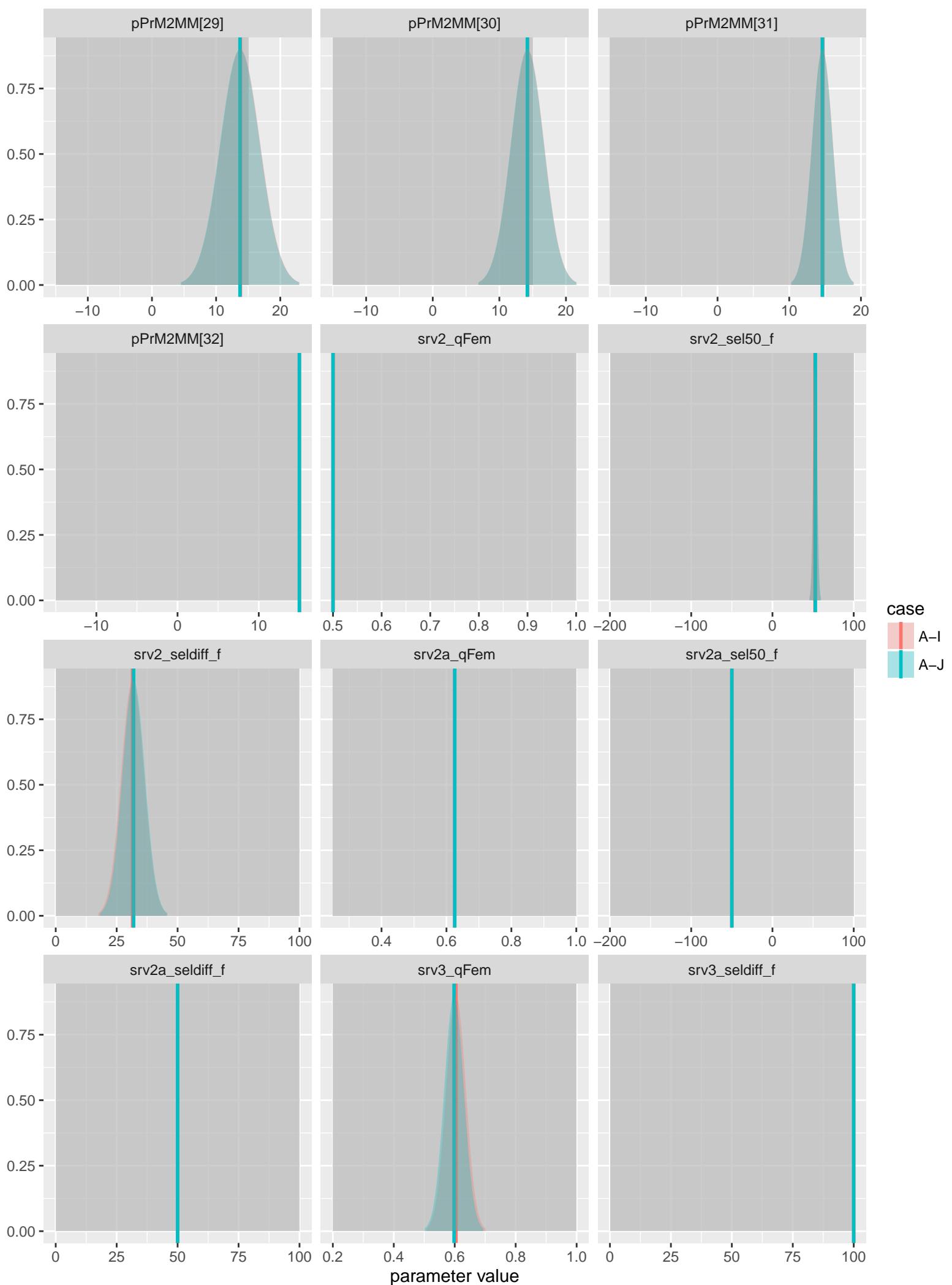


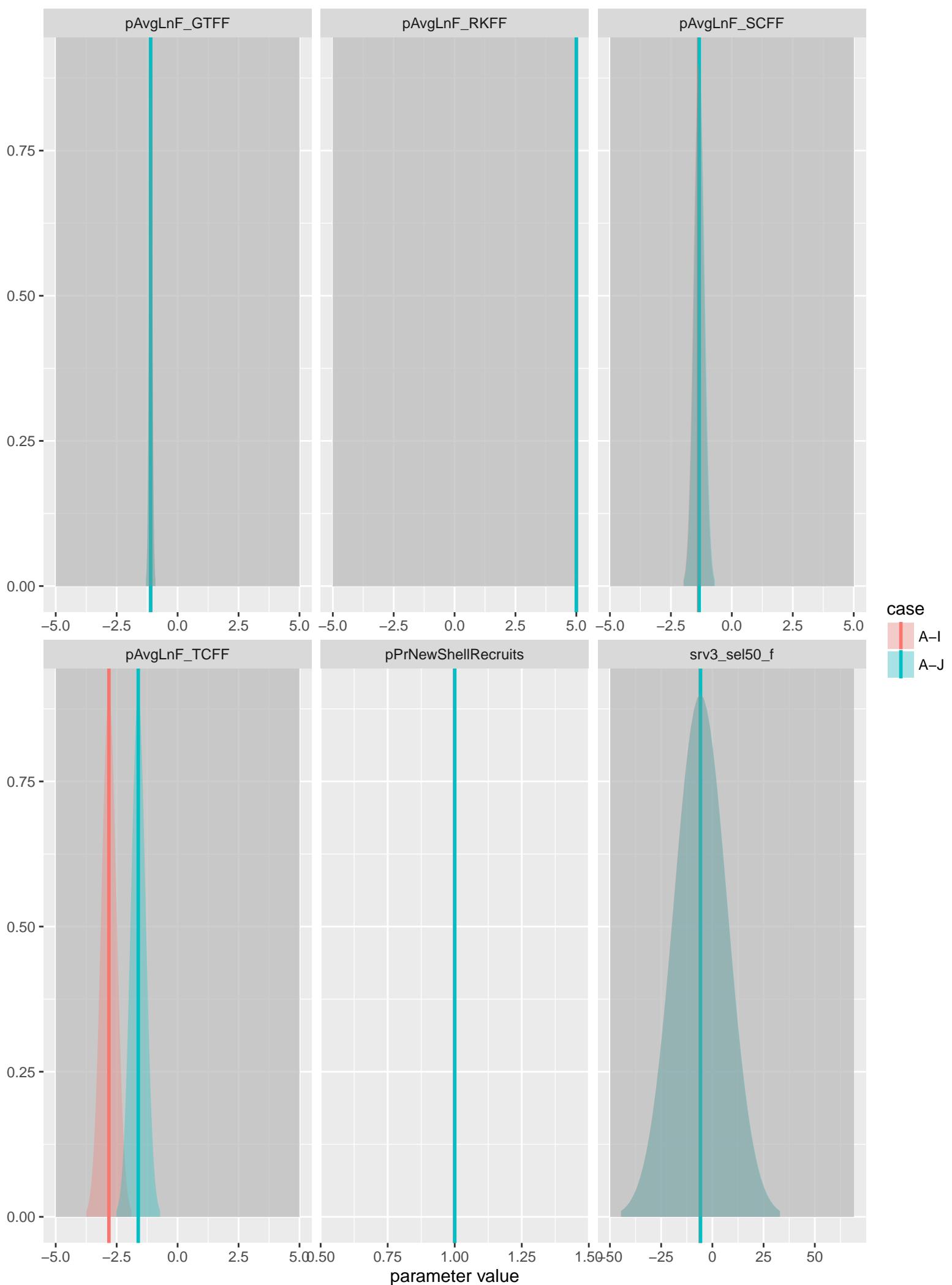




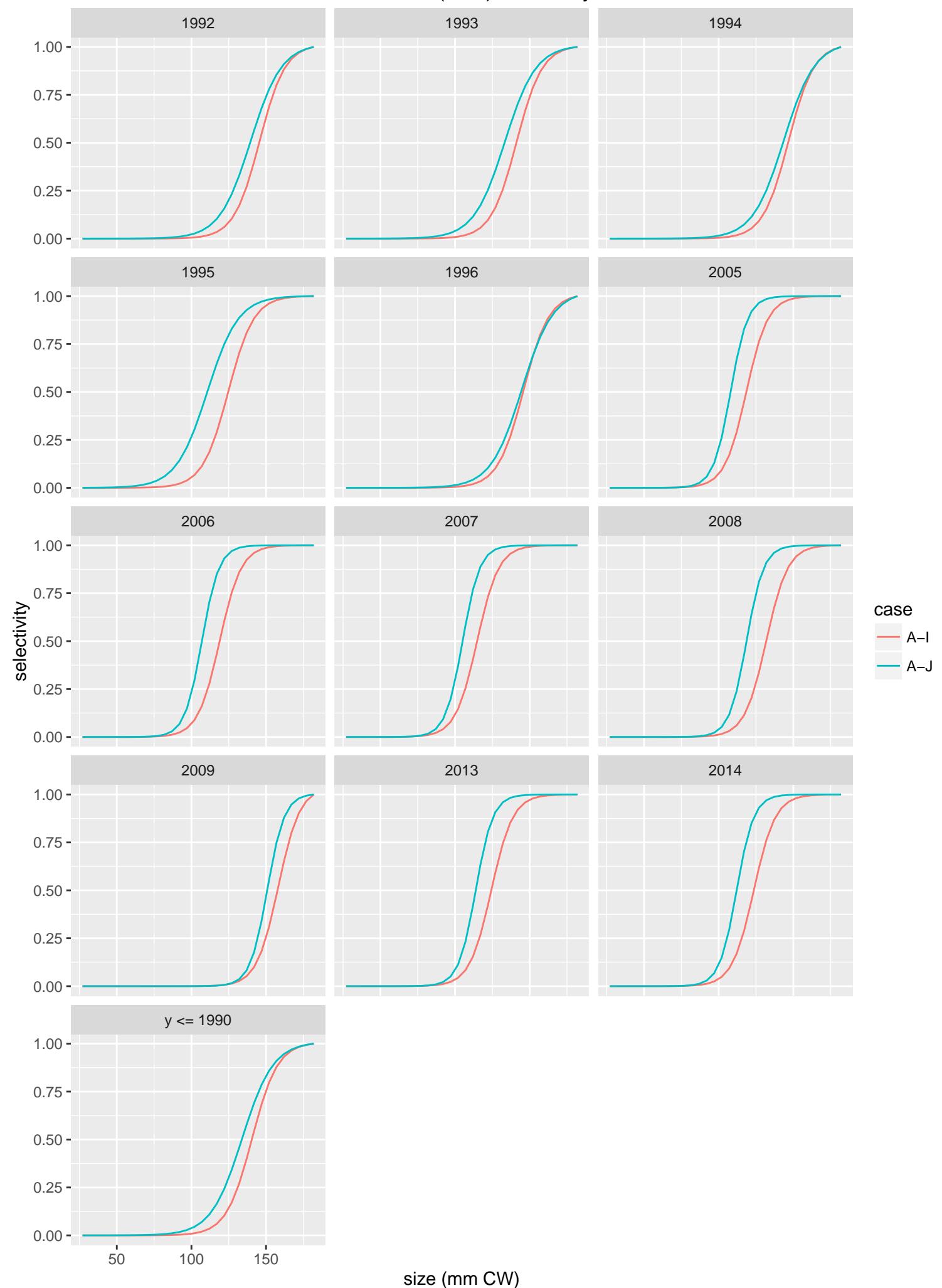




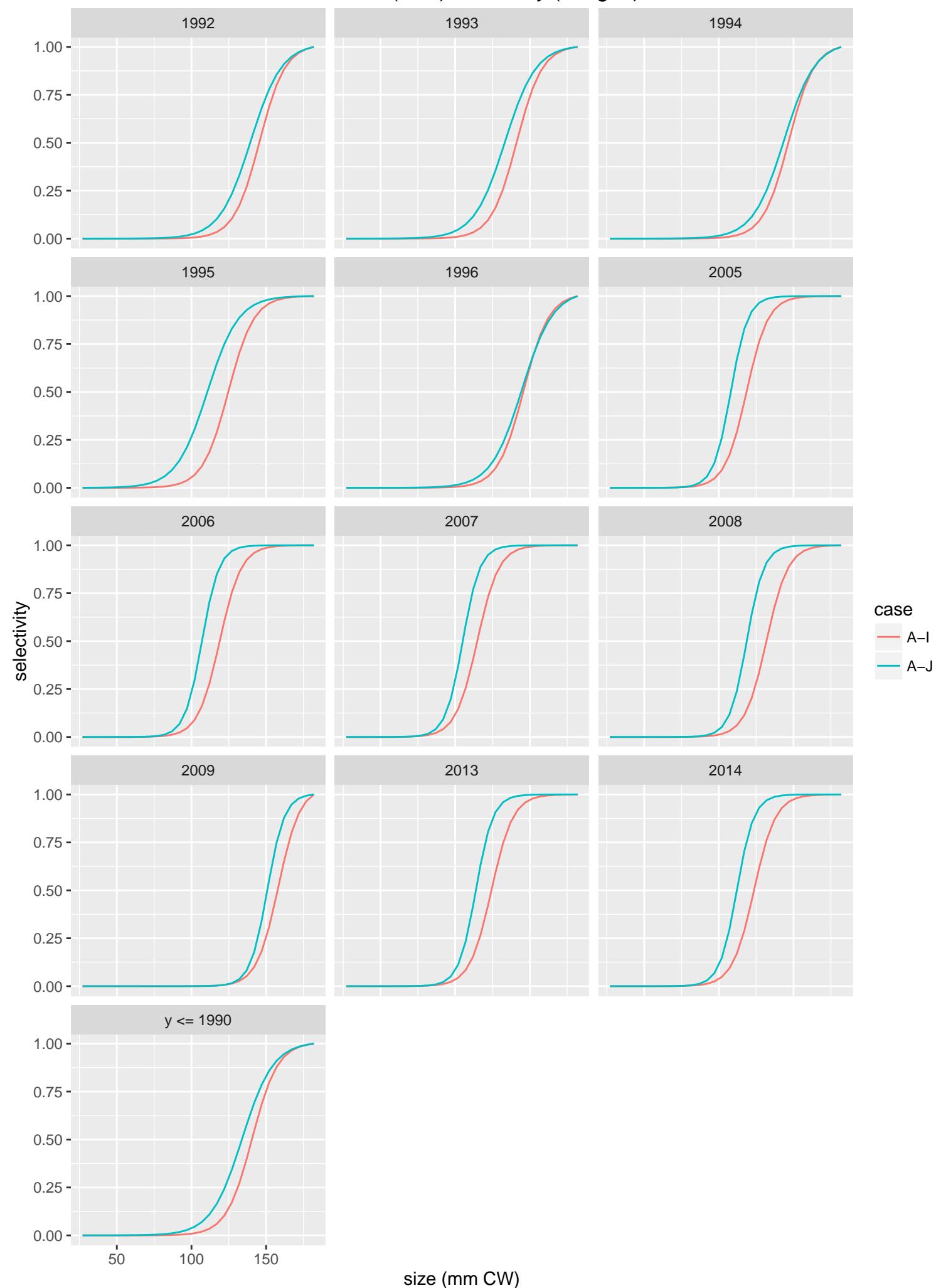




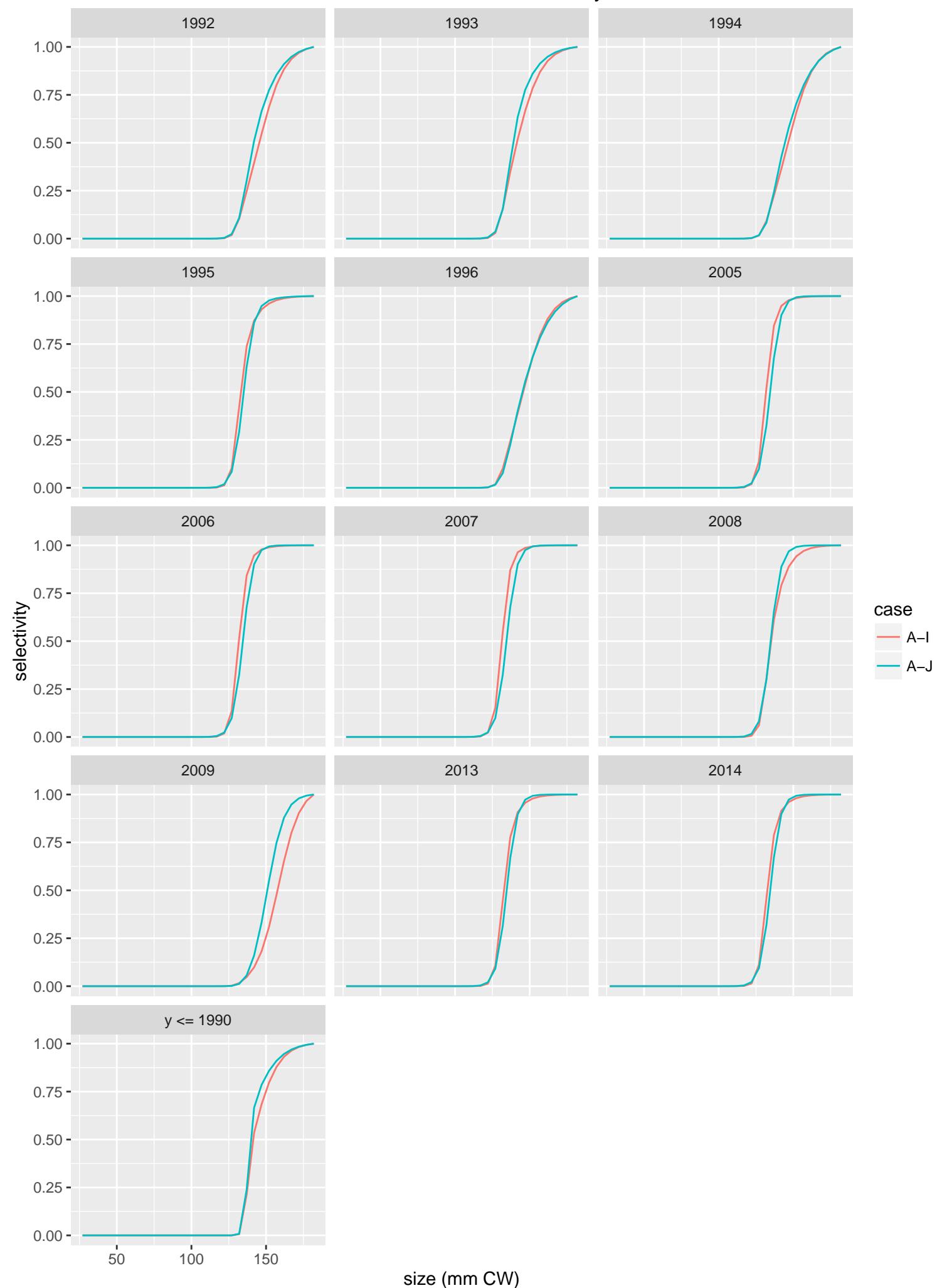
TCF: male (total) selectivity



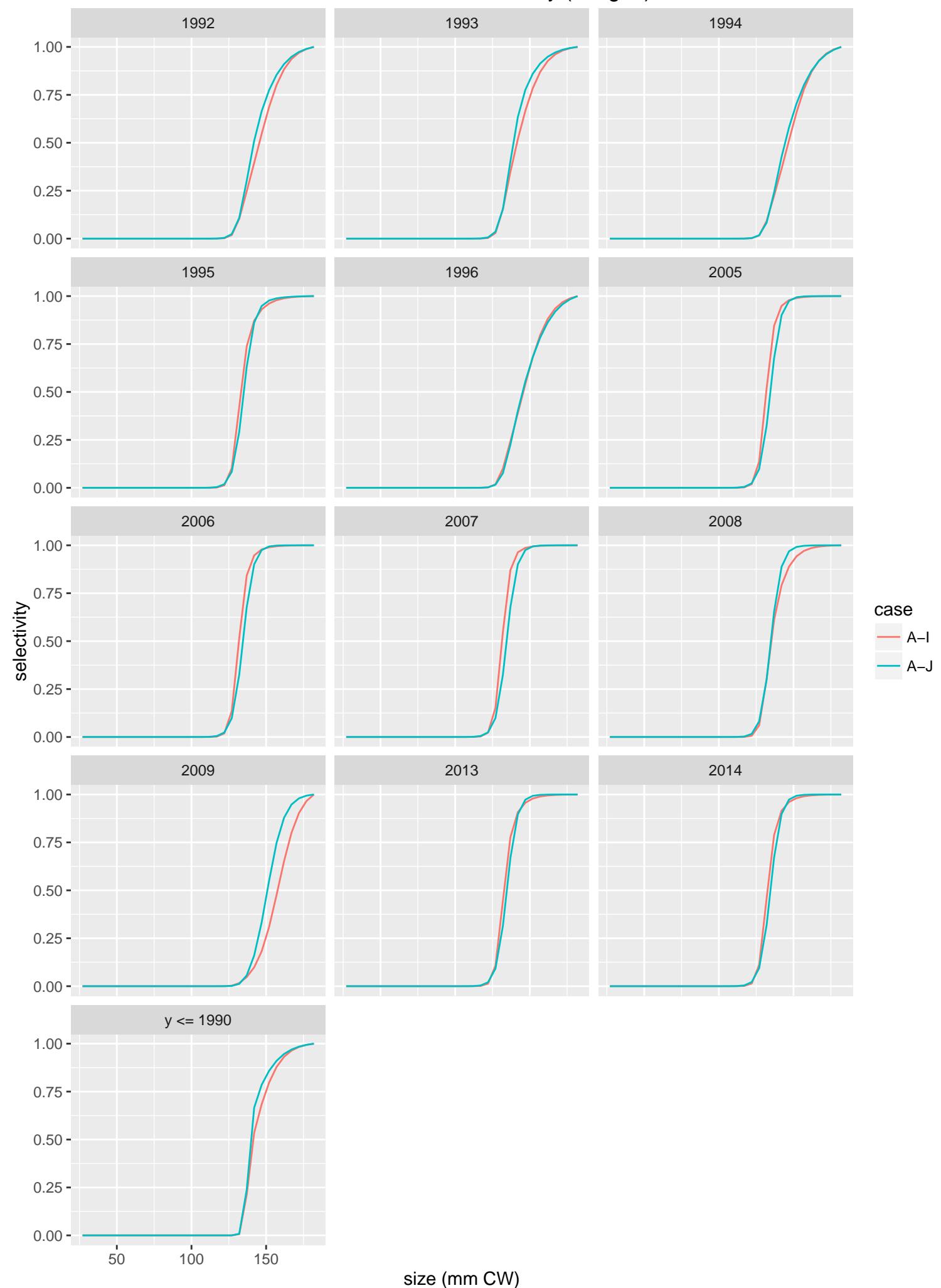
TCF: male (total) selectivity (dodged)



TCF: male retained selectivity

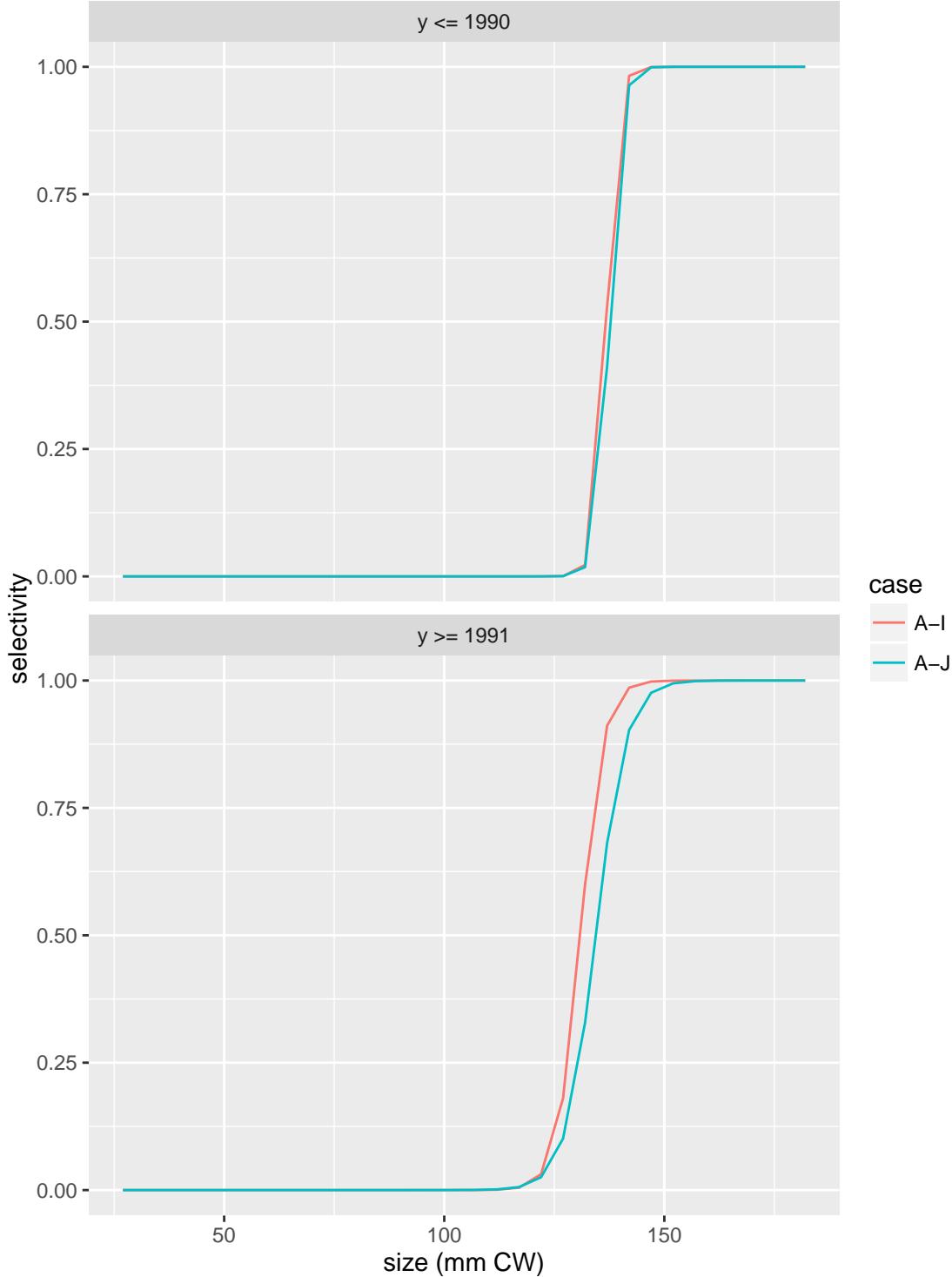


TCF: male retained selectivity (dodged)



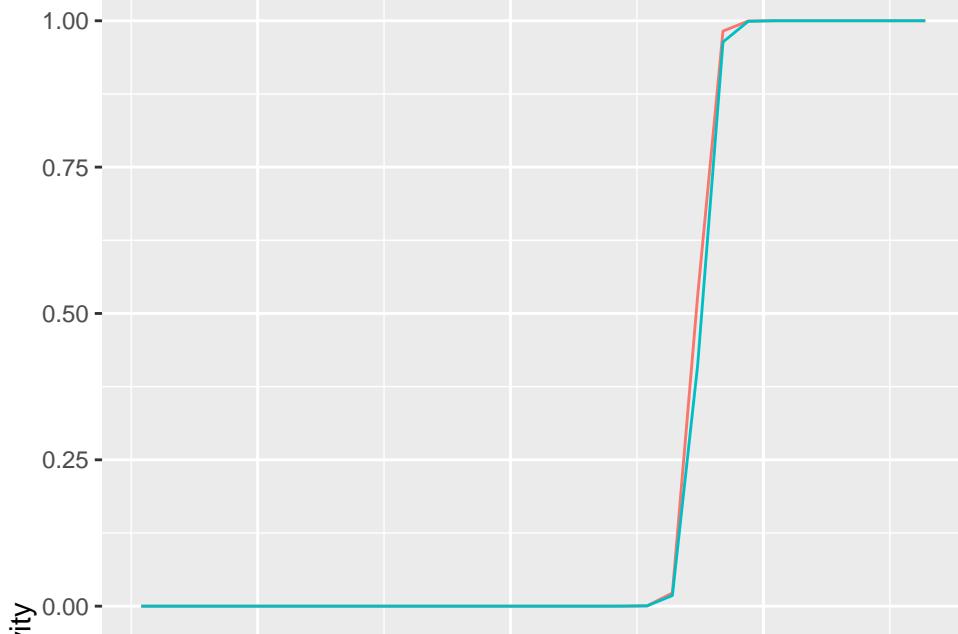
TCF: male retention functions

$y \leq 1990$

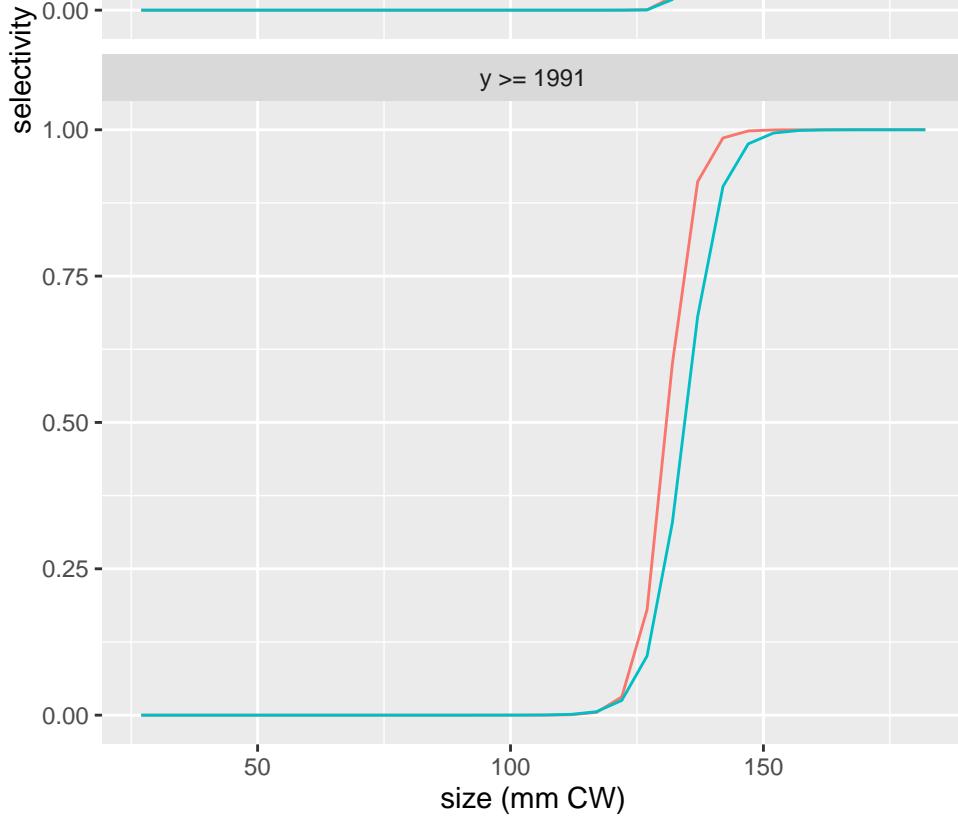


TCF: male retention functions (dodged)

$y \leq 1990$



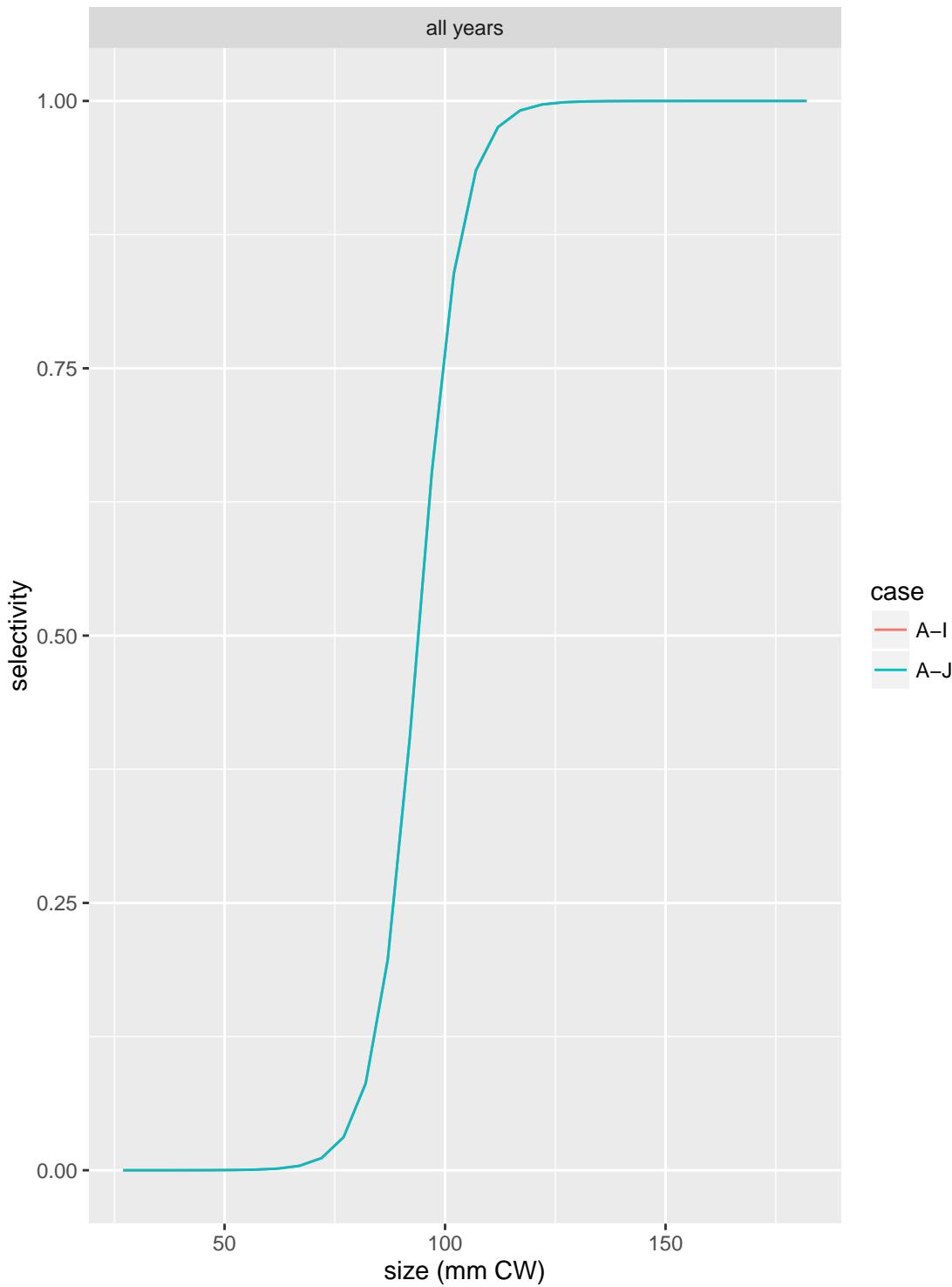
$y \geq 1991$



case
A-I
A-J

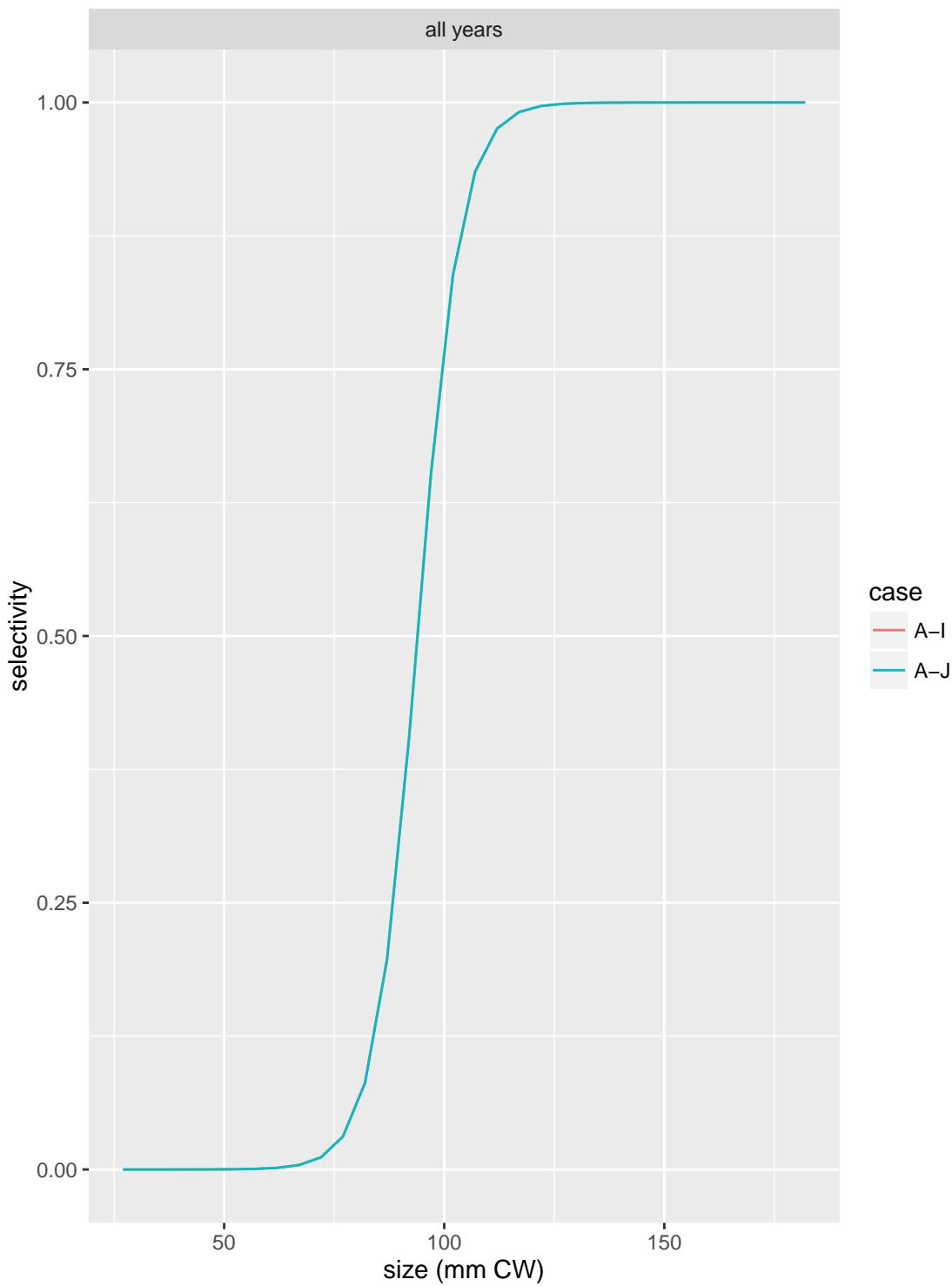
TCF: female selectivity

all years



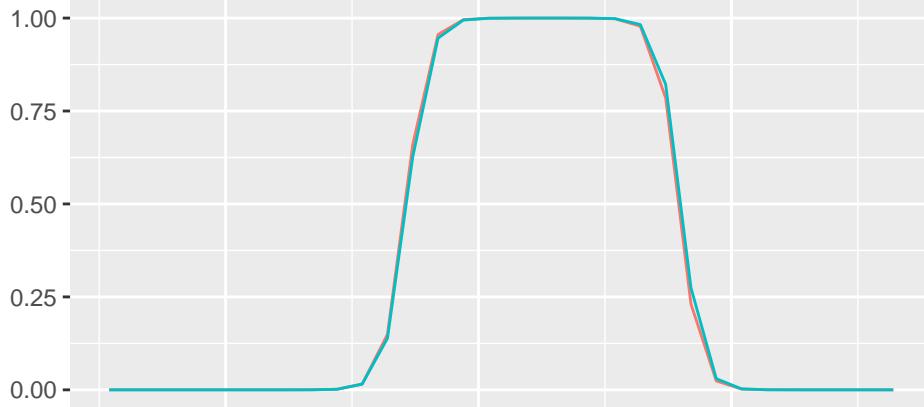
TCF: female selectivity (dodged)

all years



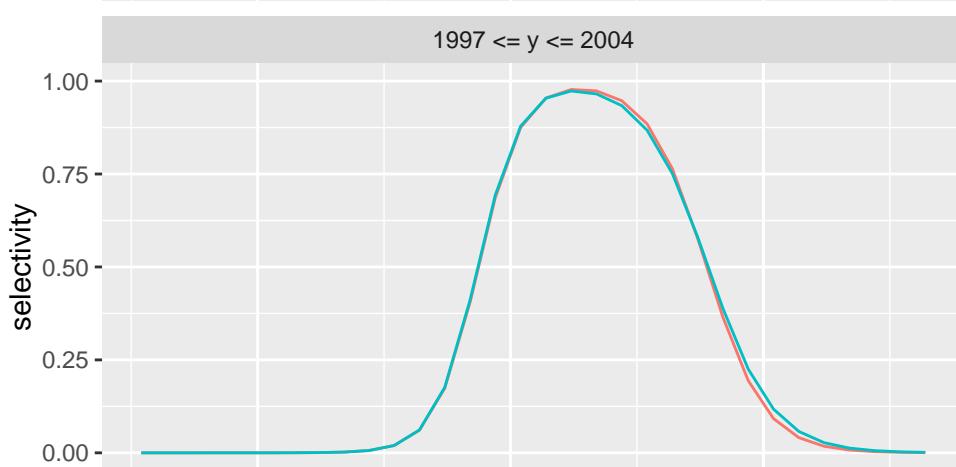
SCF: male selectivity

$y \leq 1996$

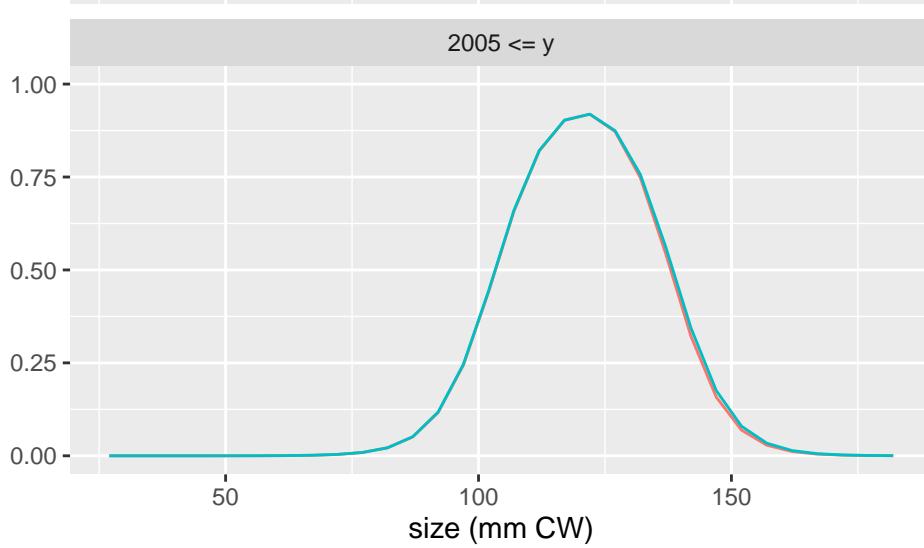


$1997 \leq y \leq 2004$

case
A-I
A-J

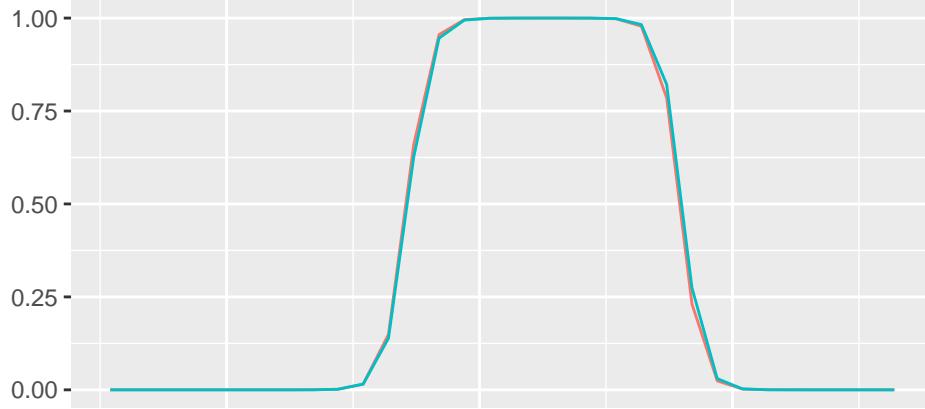


$2005 \leq y$



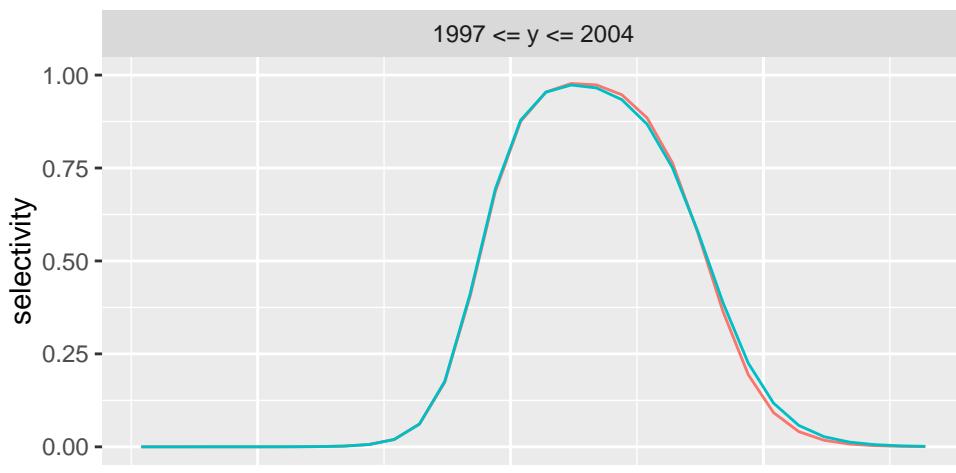
SCF: male selectivity (dodged)

$y \leq 1996$

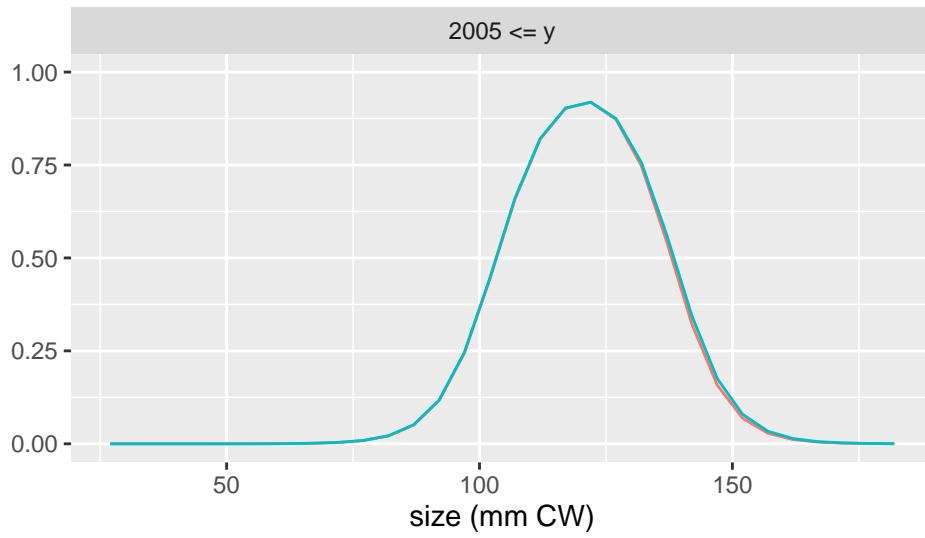


$1997 \leq y \leq 2004$

case
A-I
A-J

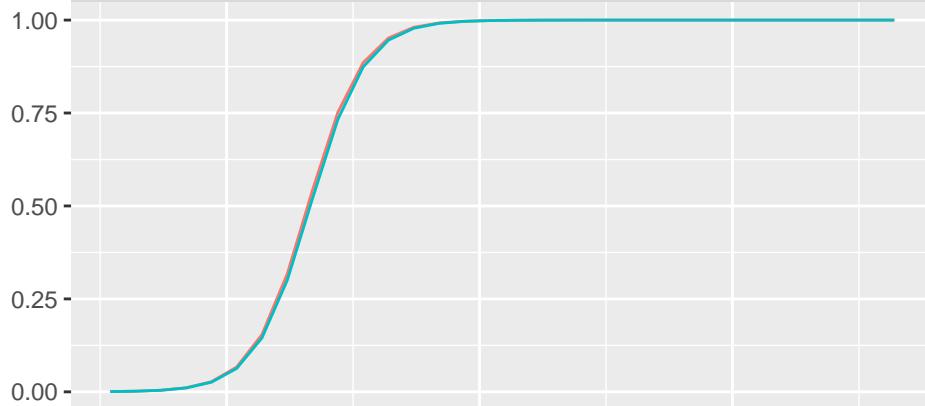


$2005 \leq y$

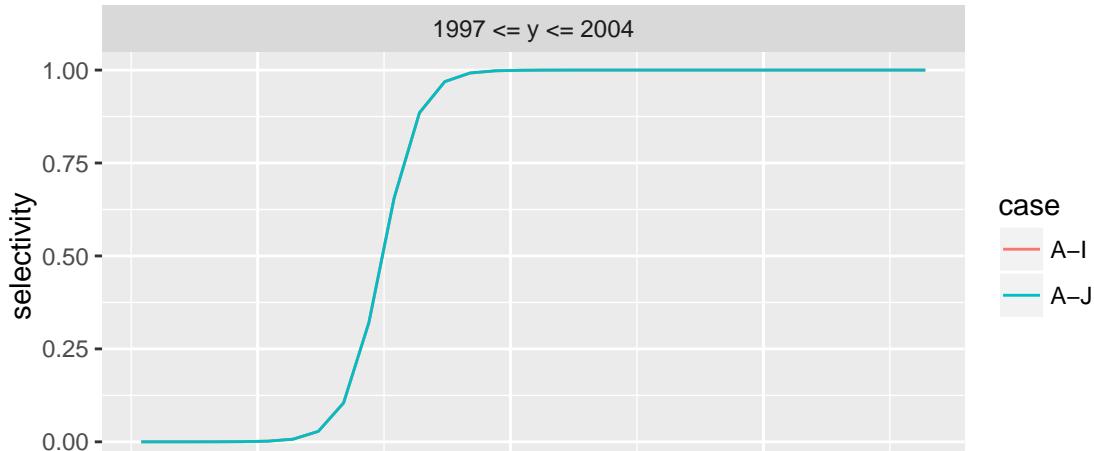


SCF: female selectivity

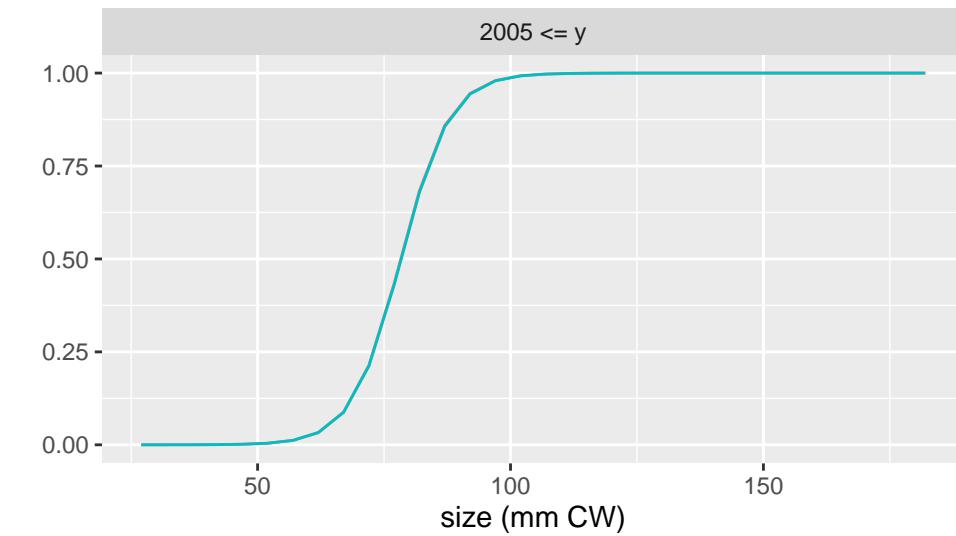
$y \leq 1996$



$1997 \leq y \leq 2004$



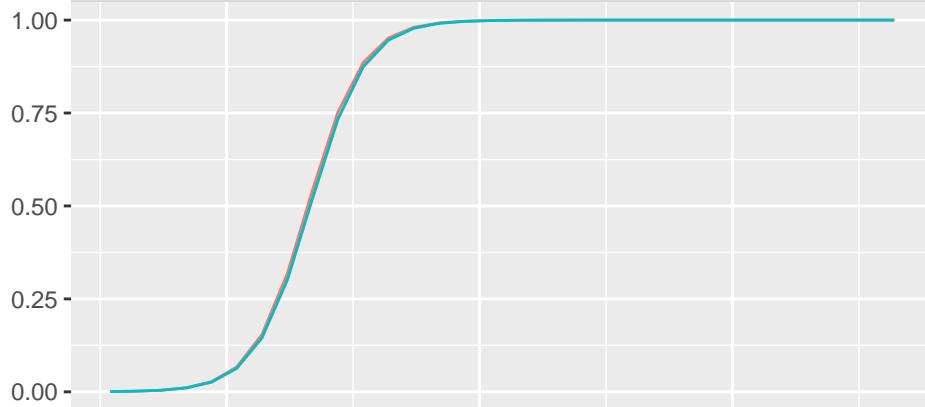
$2005 \leq y$



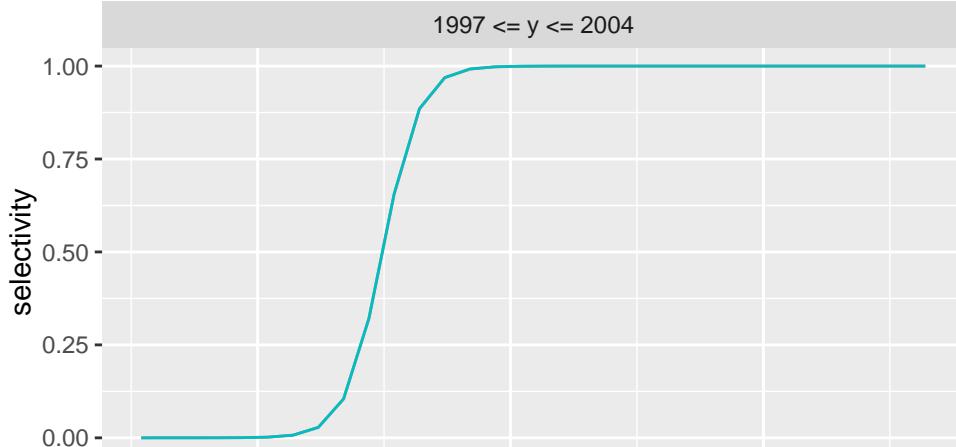
case
A-I
A-J

SCF: female selectivity (dodged)

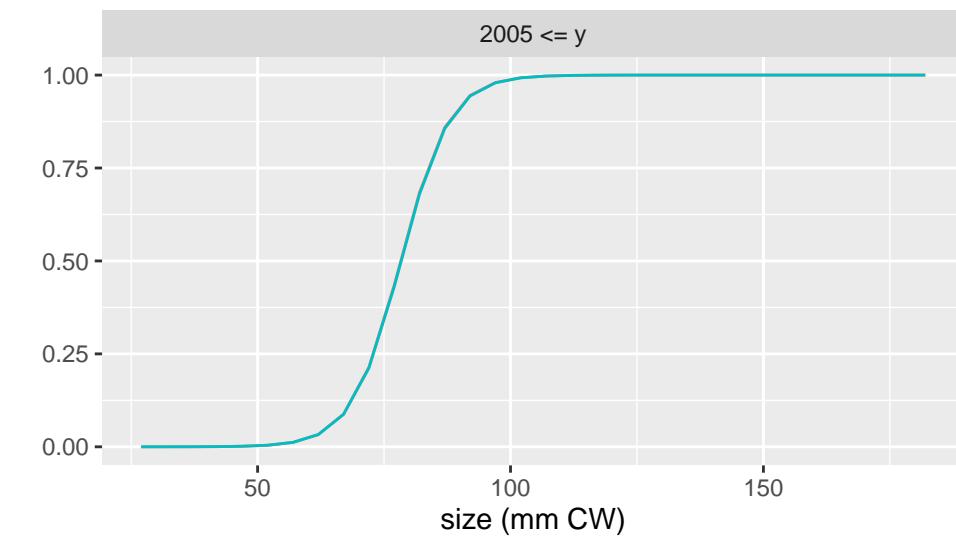
$y \leq 1996$



$1997 \leq y \leq 2004$



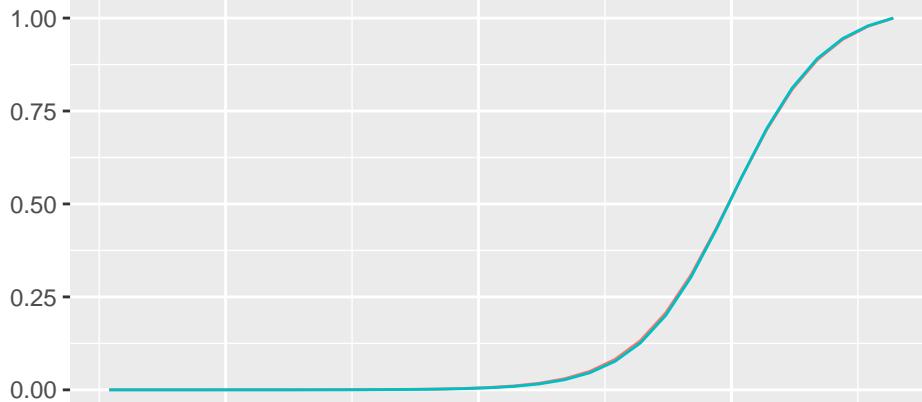
$2005 \leq y$



case
A-I
A-J

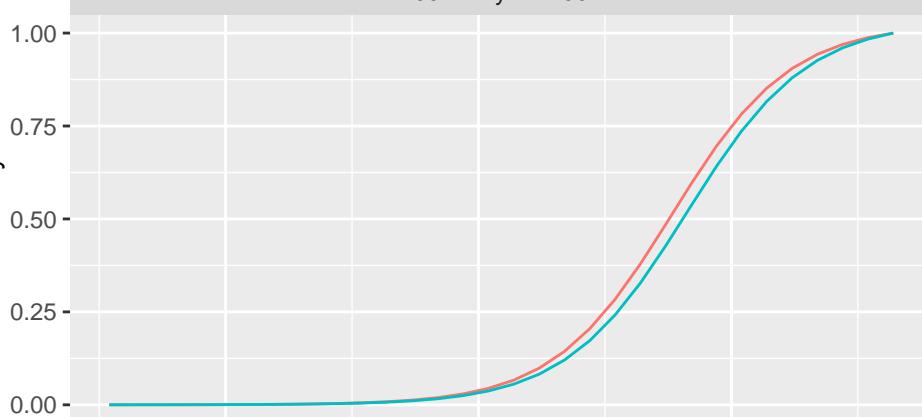
RKF: male selectivity

$y \leq 1996$

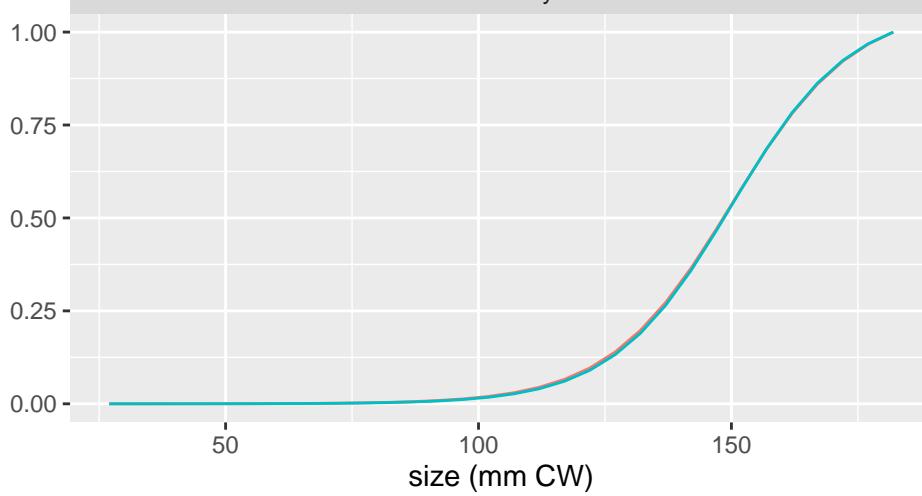


$1997 \leq y \leq 2004$

case
— A-I
— A-J

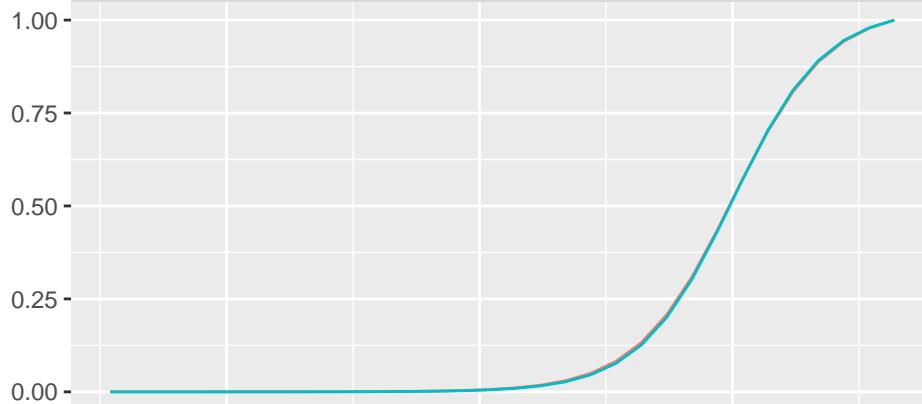


$2005 \leq y$



RKF: male selectivity (dodged)

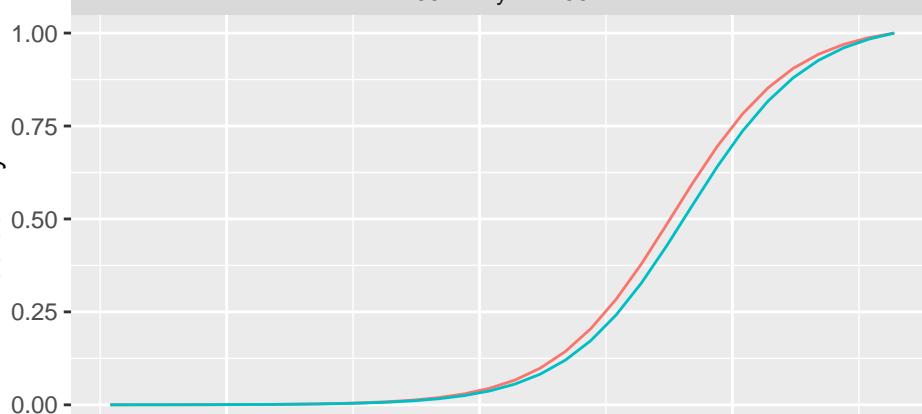
$y \leq 1996$



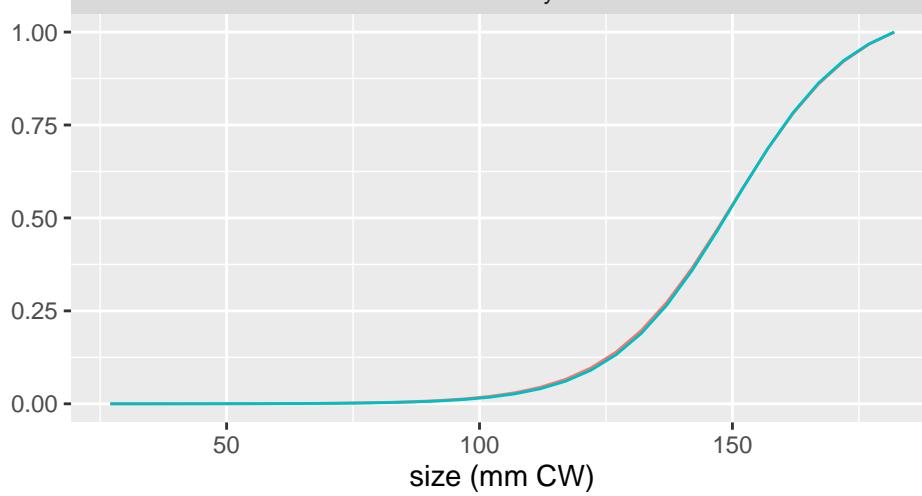
$1997 \leq y \leq 2004$

case
— A-I
— A-J

selectivity

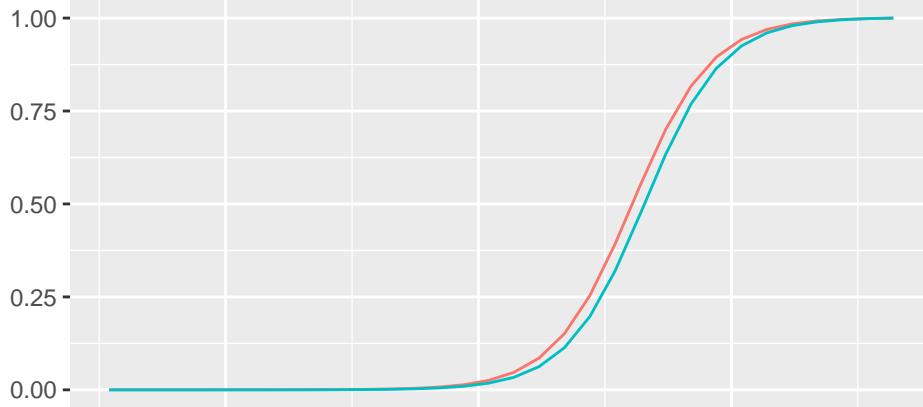


$2005 \leq y$

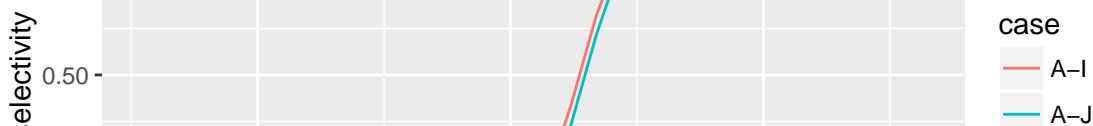


RKF: female selectivity

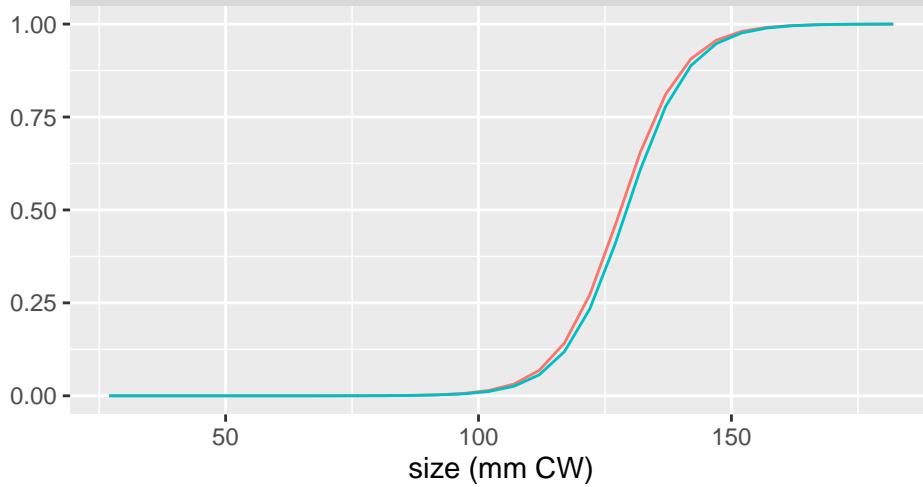
$y \leq 1996$



$1997 \leq y \leq 2004$



$2005 \leq y$

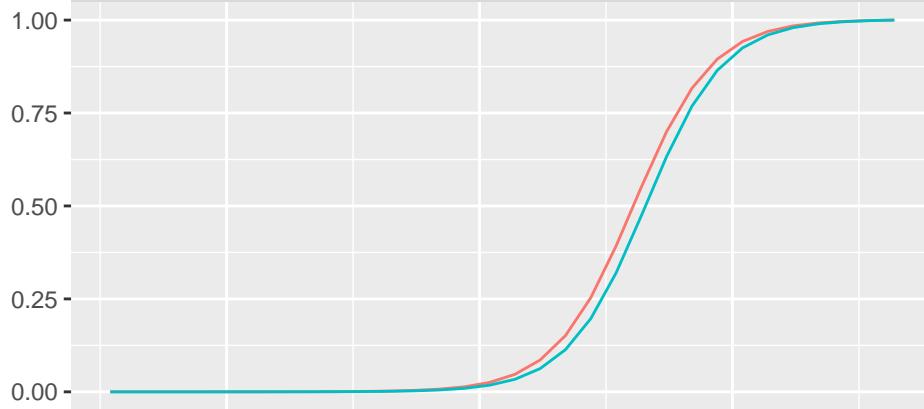


case
— A-I
— A-J

size (mm CW)

RKF: female selectivity (dodged)

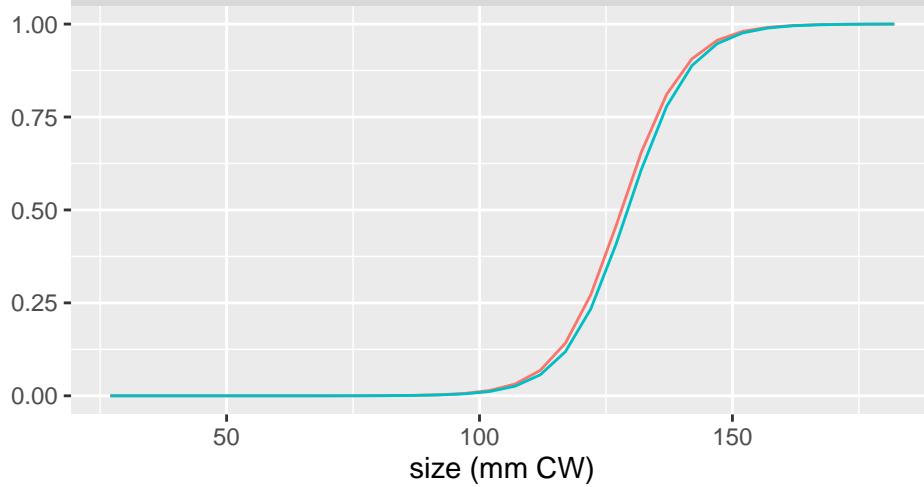
$y \leq 1996$



$1997 \leq y \leq 2004$



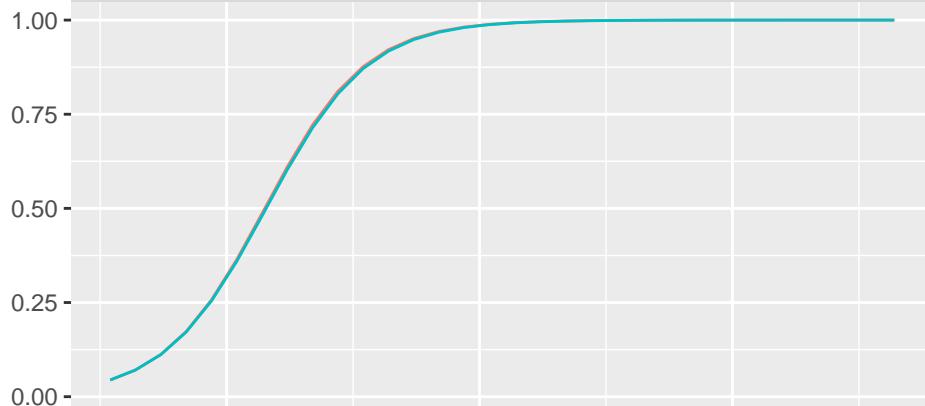
$2005 \leq y$



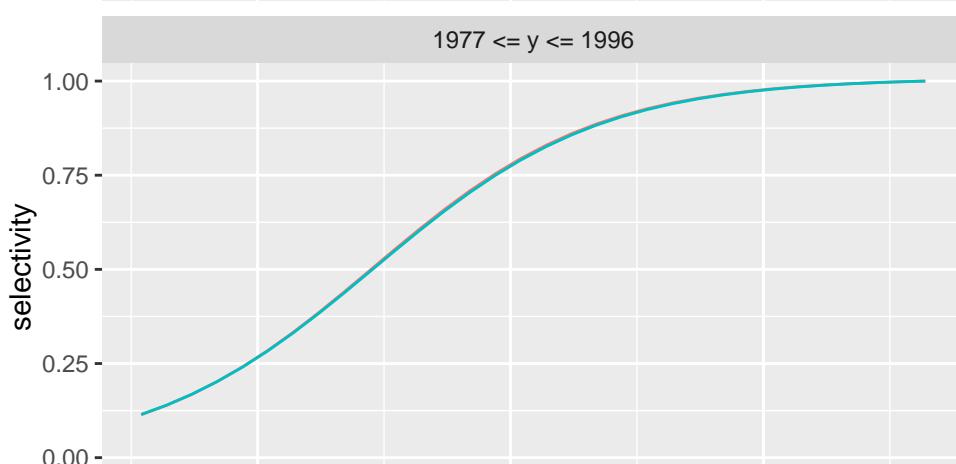
case
A-I
A-J

GTF: male selectivity

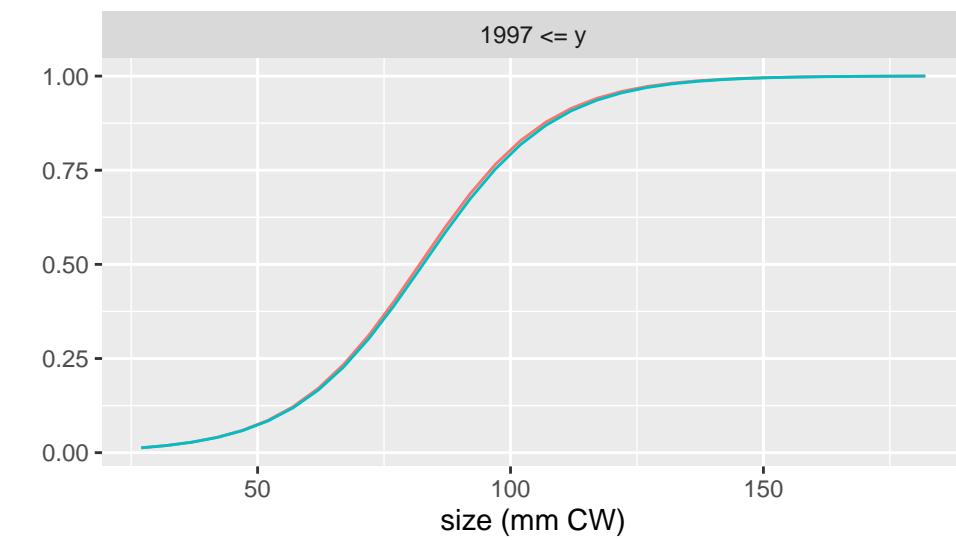
$y \leq 1986$



$1977 \leq y \leq 1996$



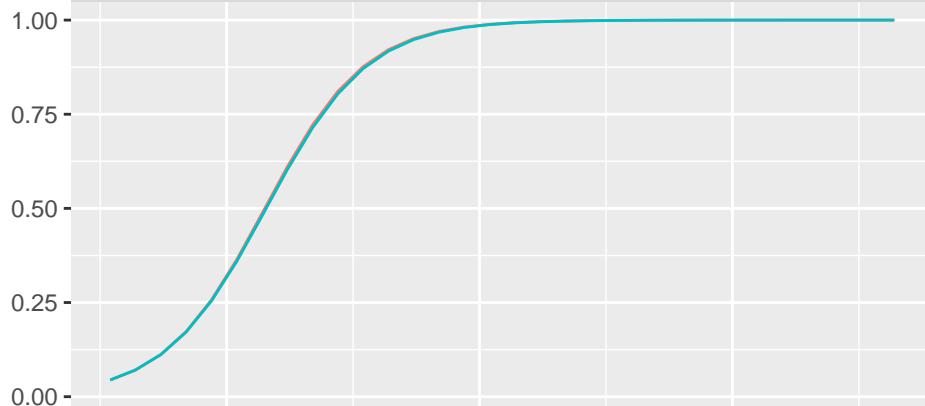
$1997 \leq y$



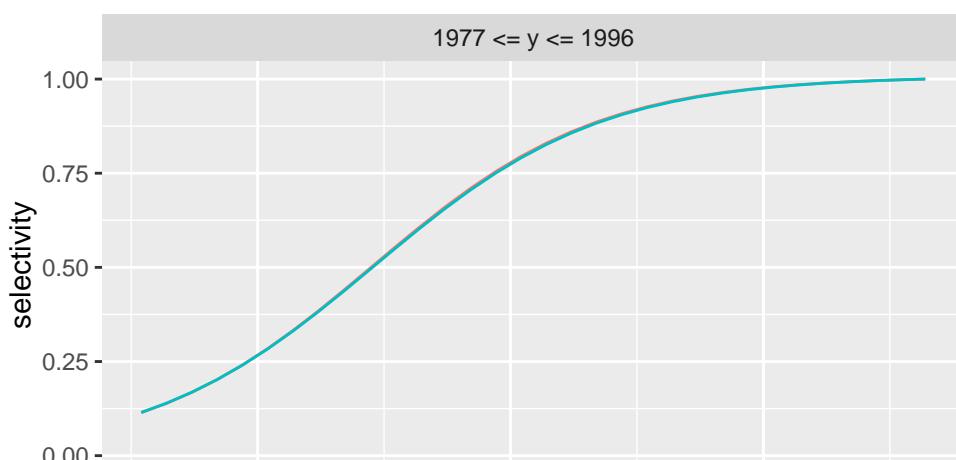
case
A-I
A-J

GTF: male selectivity (dodged)

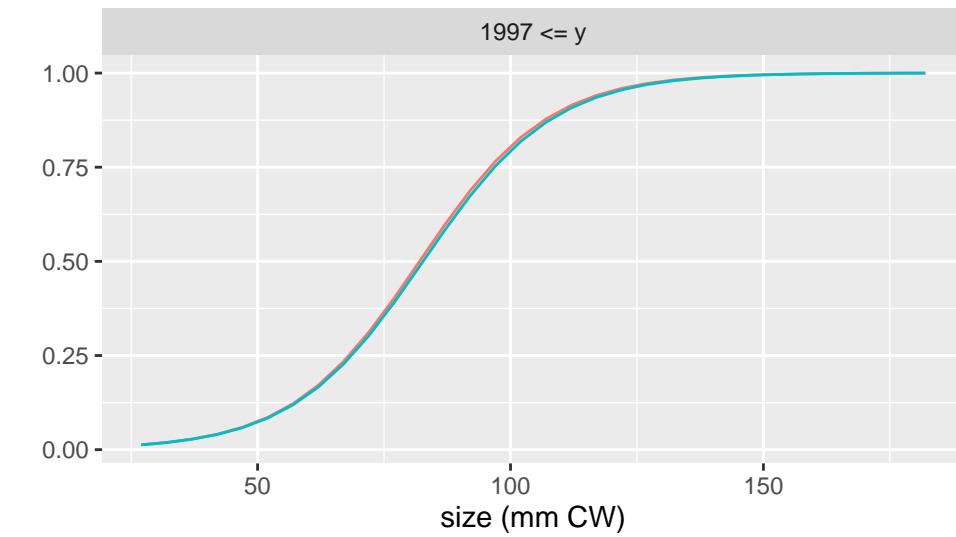
$y \leq 1986$



$1977 \leq y \leq 1996$



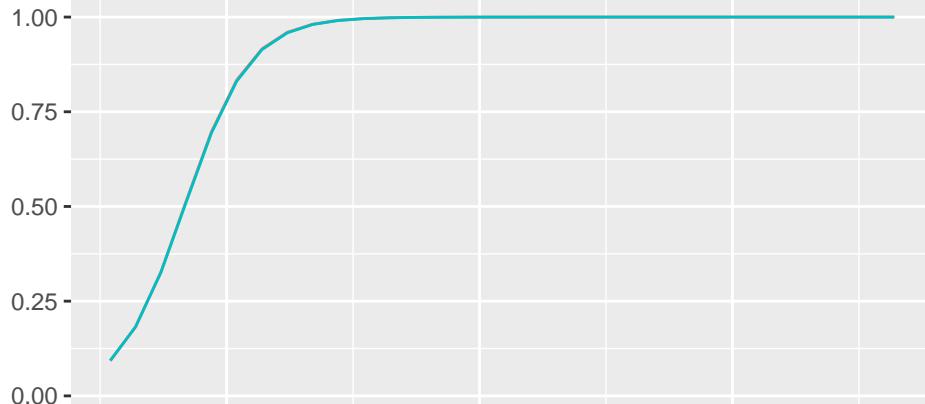
$1997 \leq y$



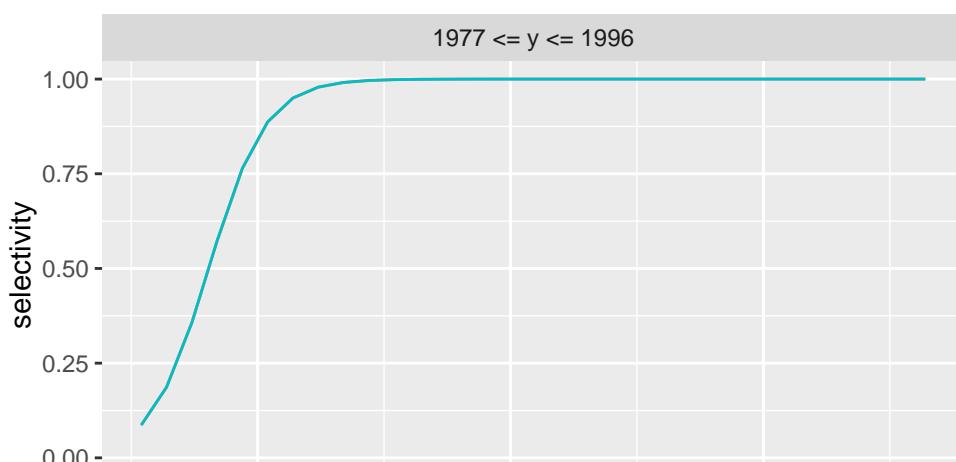
case
— A-I
— A-J

GTF: female selectivity

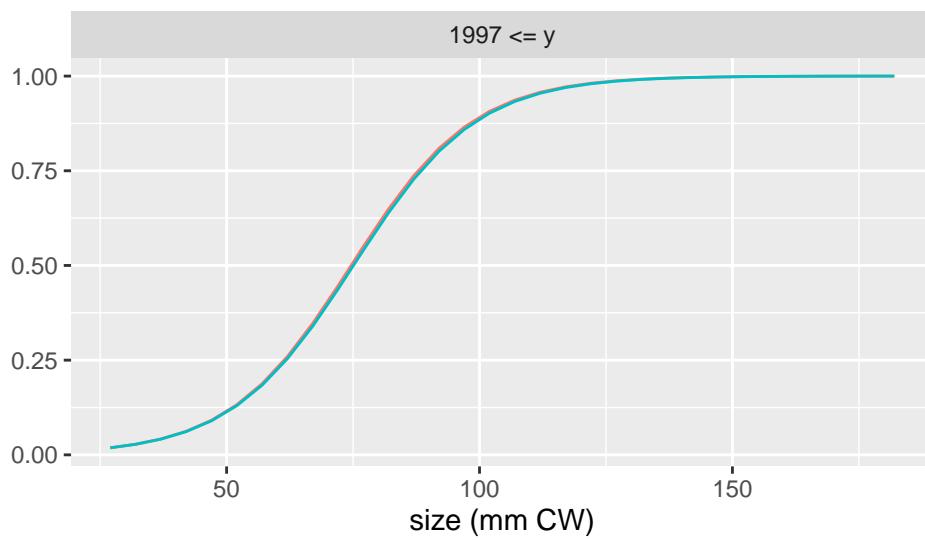
$y \leq 1986$



$1977 \leq y \leq 1996$



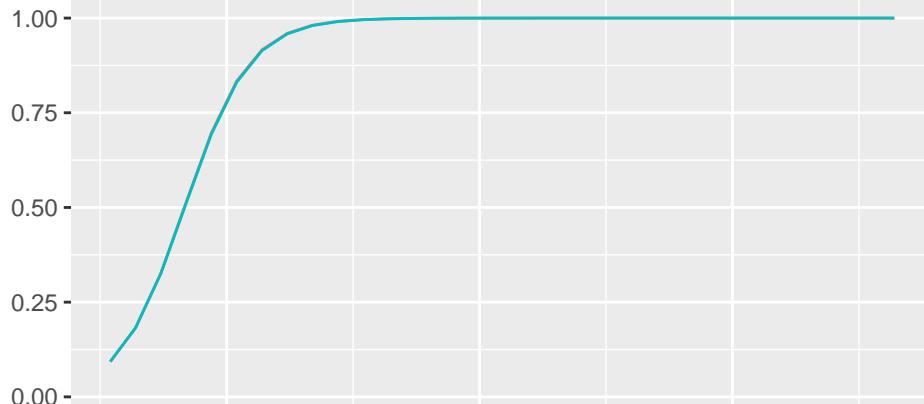
$1997 \leq y$



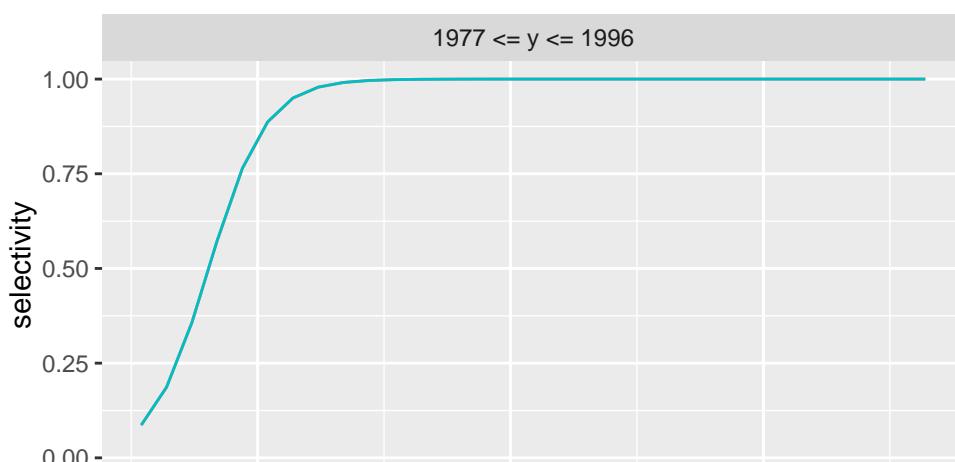
case
A-I
A-J

GTF: female selectivity (dodged)

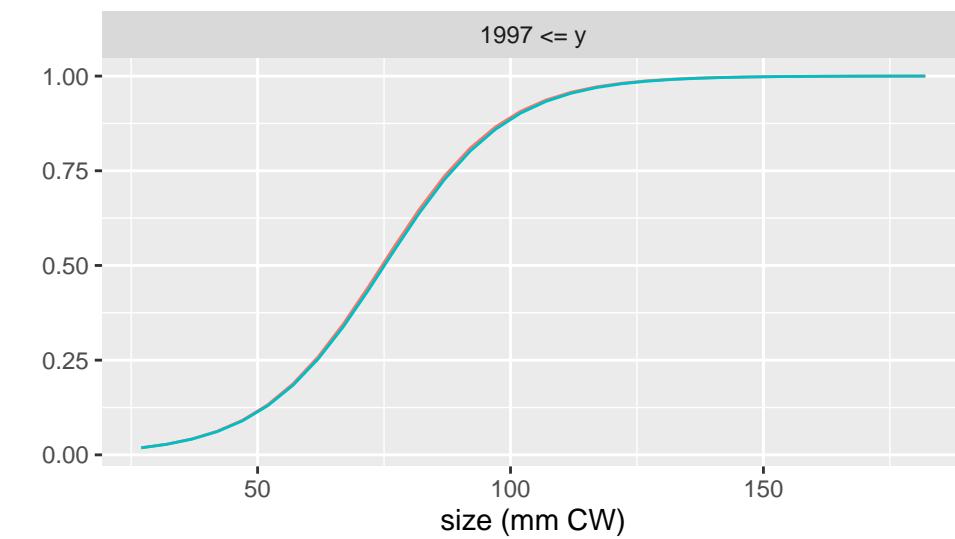
$y \leq 1986$



$1977 \leq y \leq 1996$



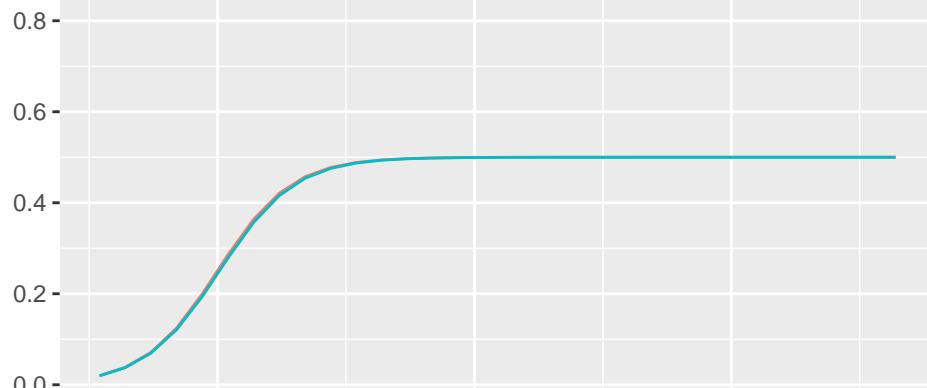
$1997 \leq y$



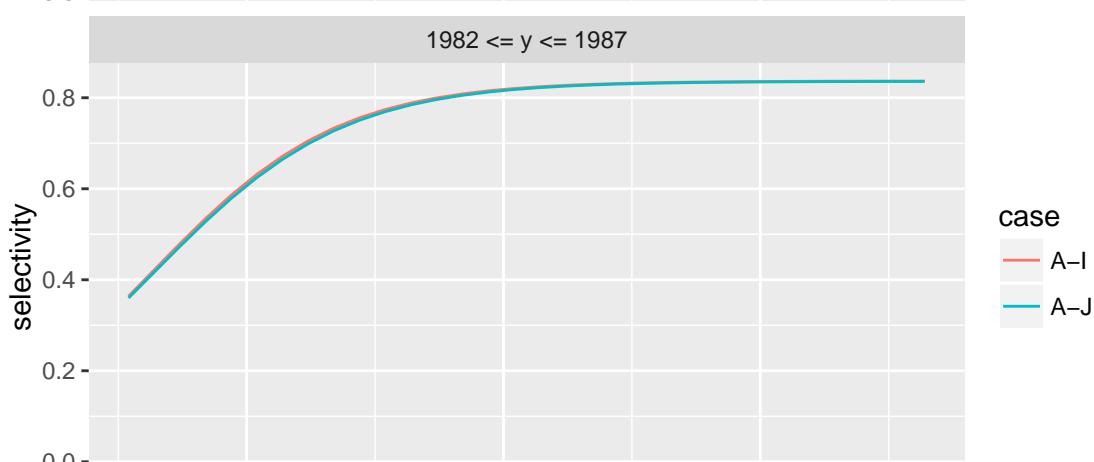
case
A-I
A-J

NMFS trawl survey: male selectivity

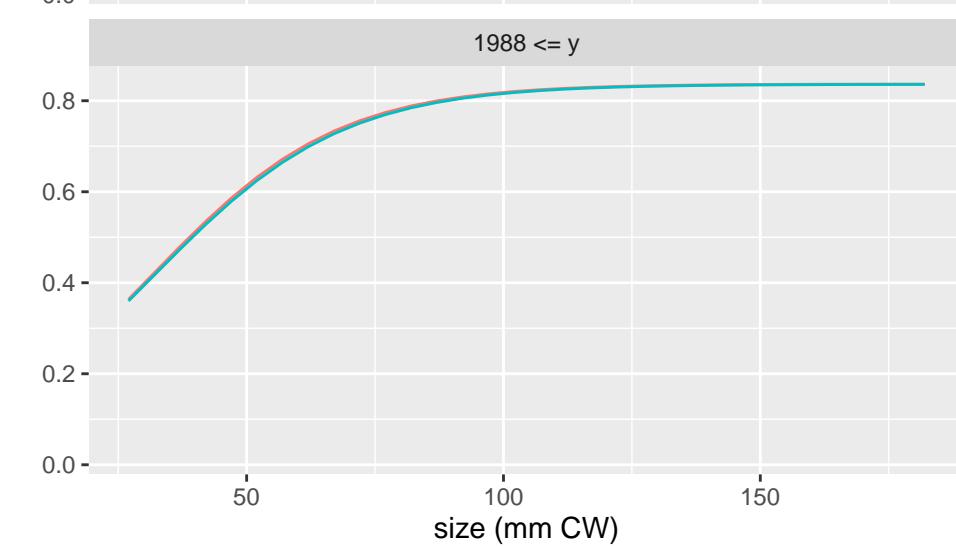
1974 <= y <= 1981



1982 <= y <= 1987



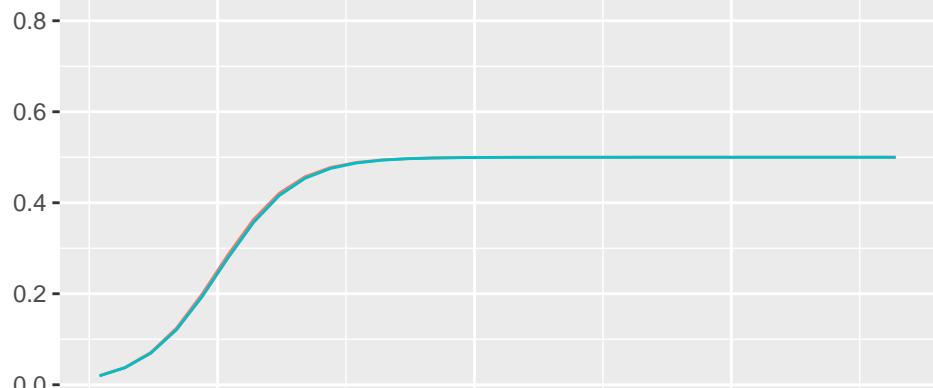
1988 <= y



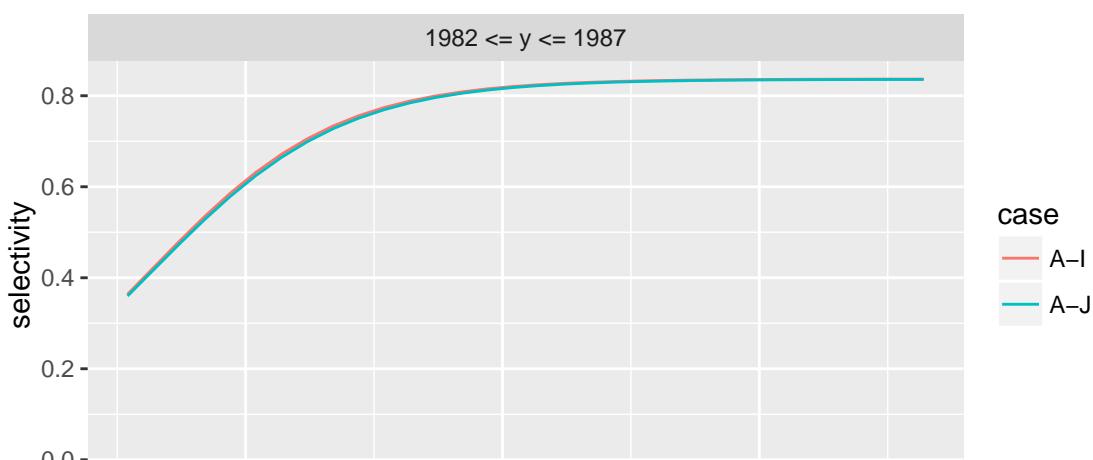
case
A-I
A-J

NMFS trawl survey: male selectivity (dodged)

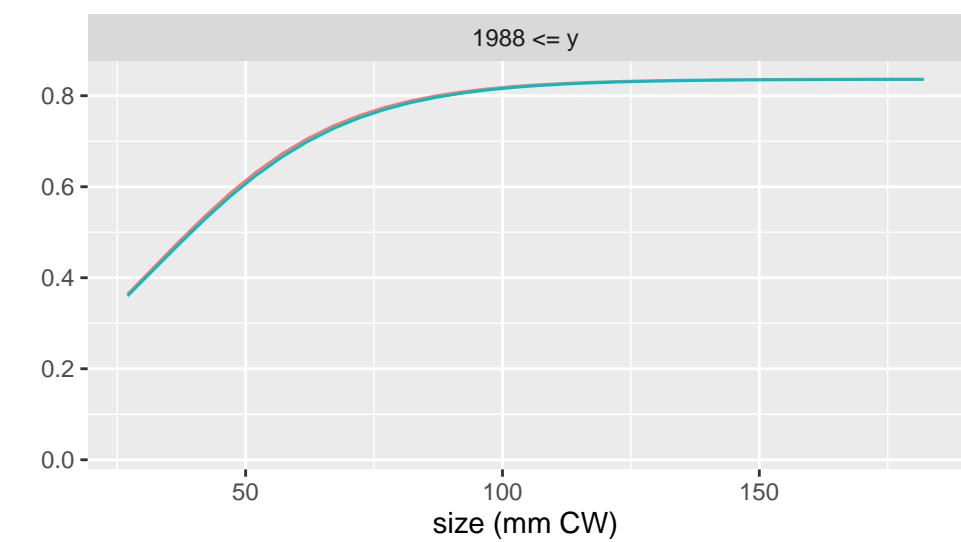
1974 <= y <= 1981



1982 <= y <= 1987



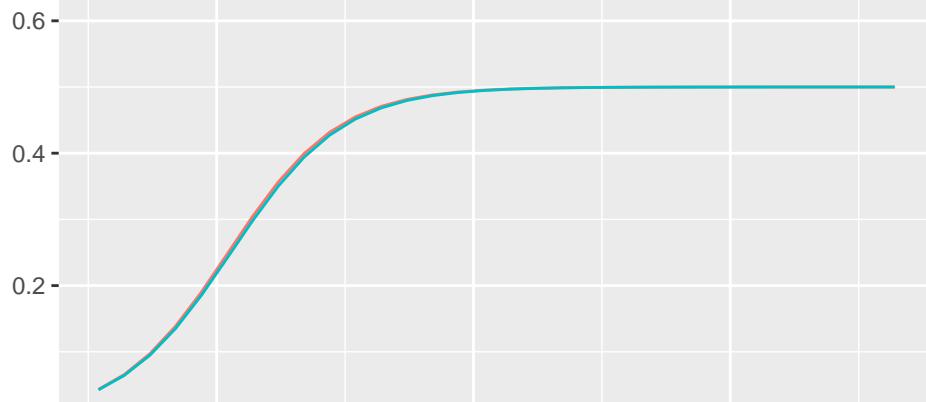
1988 <= y



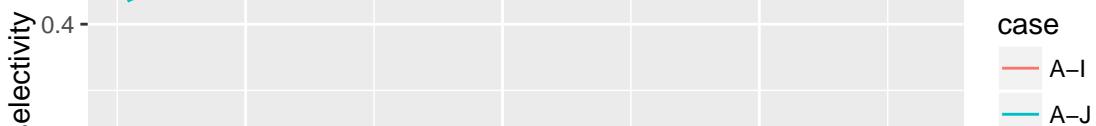
case
— A-I
— A-J

NMFS trawl survey: female selectivity

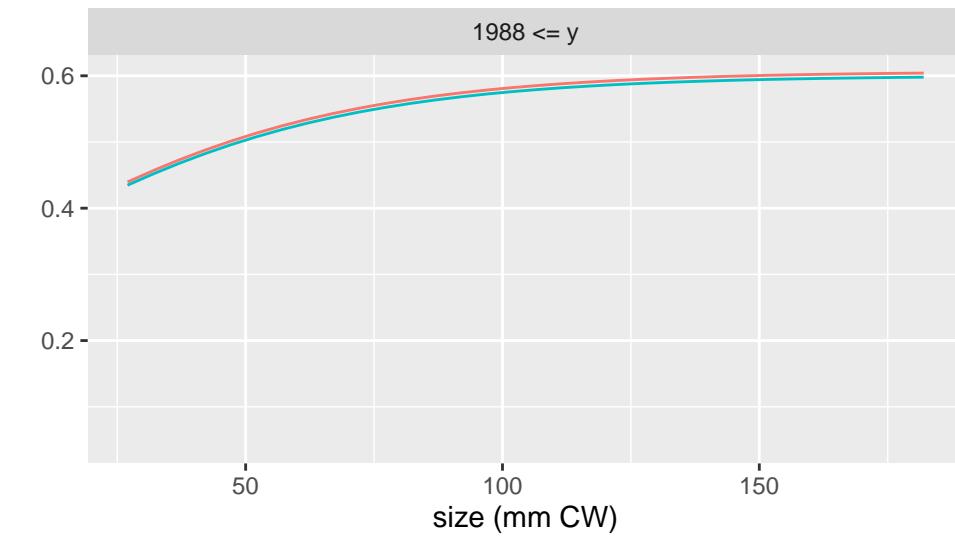
1974 <= y <= 1981



1982 <= y <= 1987



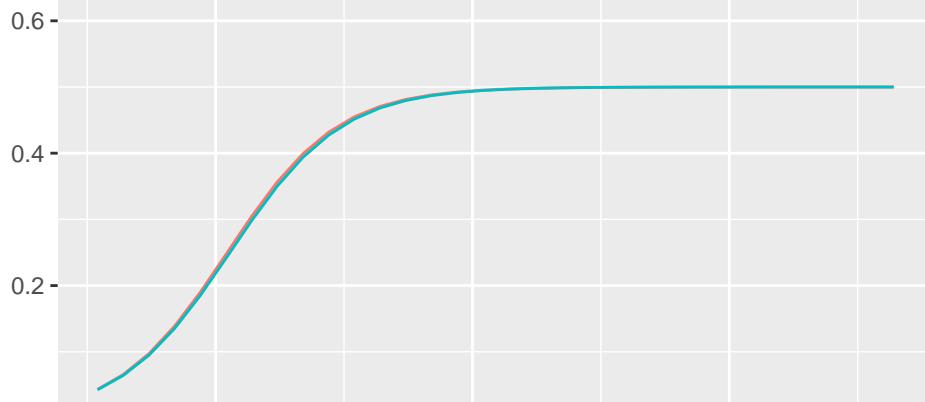
1988 <= y



case
A-I
A-J

NMFS trawl survey: female selectivity (dodged)

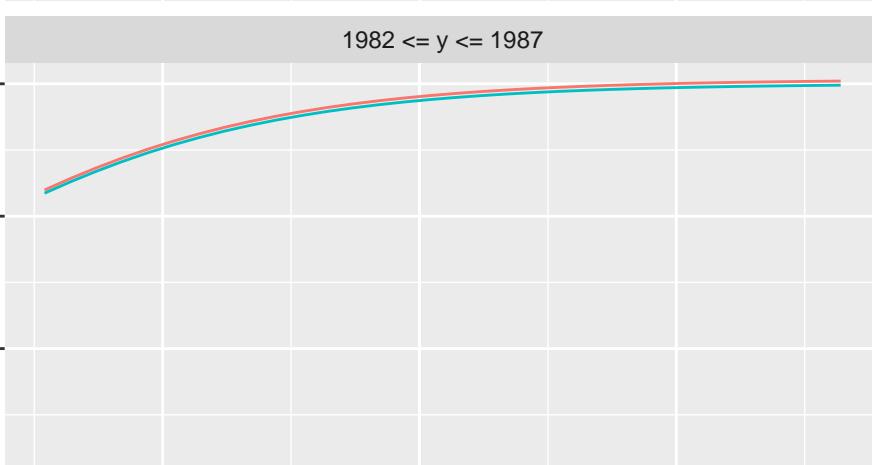
1974 <= y <= 1981



1982 <= y <= 1987

selectivity

case
A-I
A-J



1988 <= y

50 100 150
size (mm CW)

