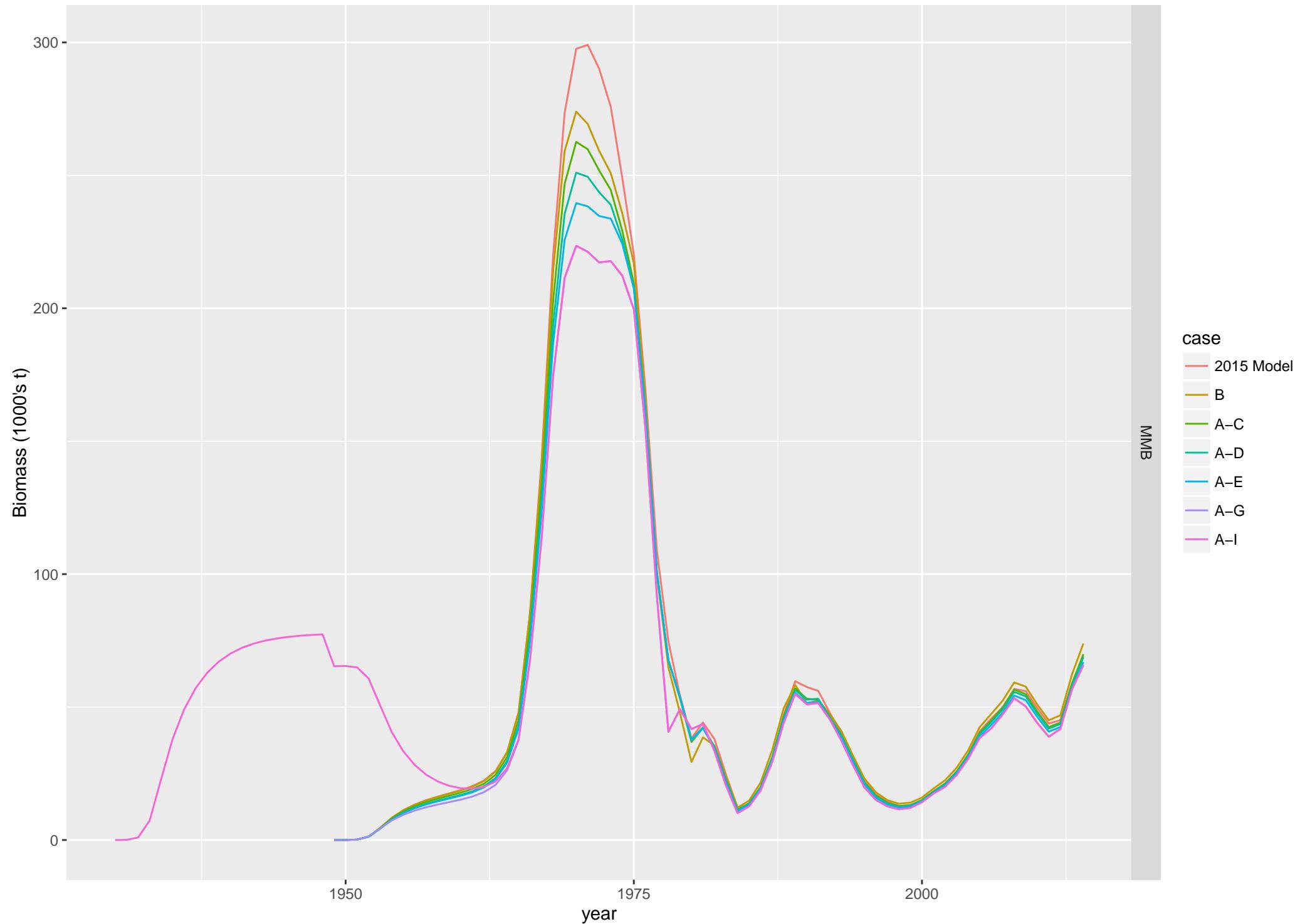
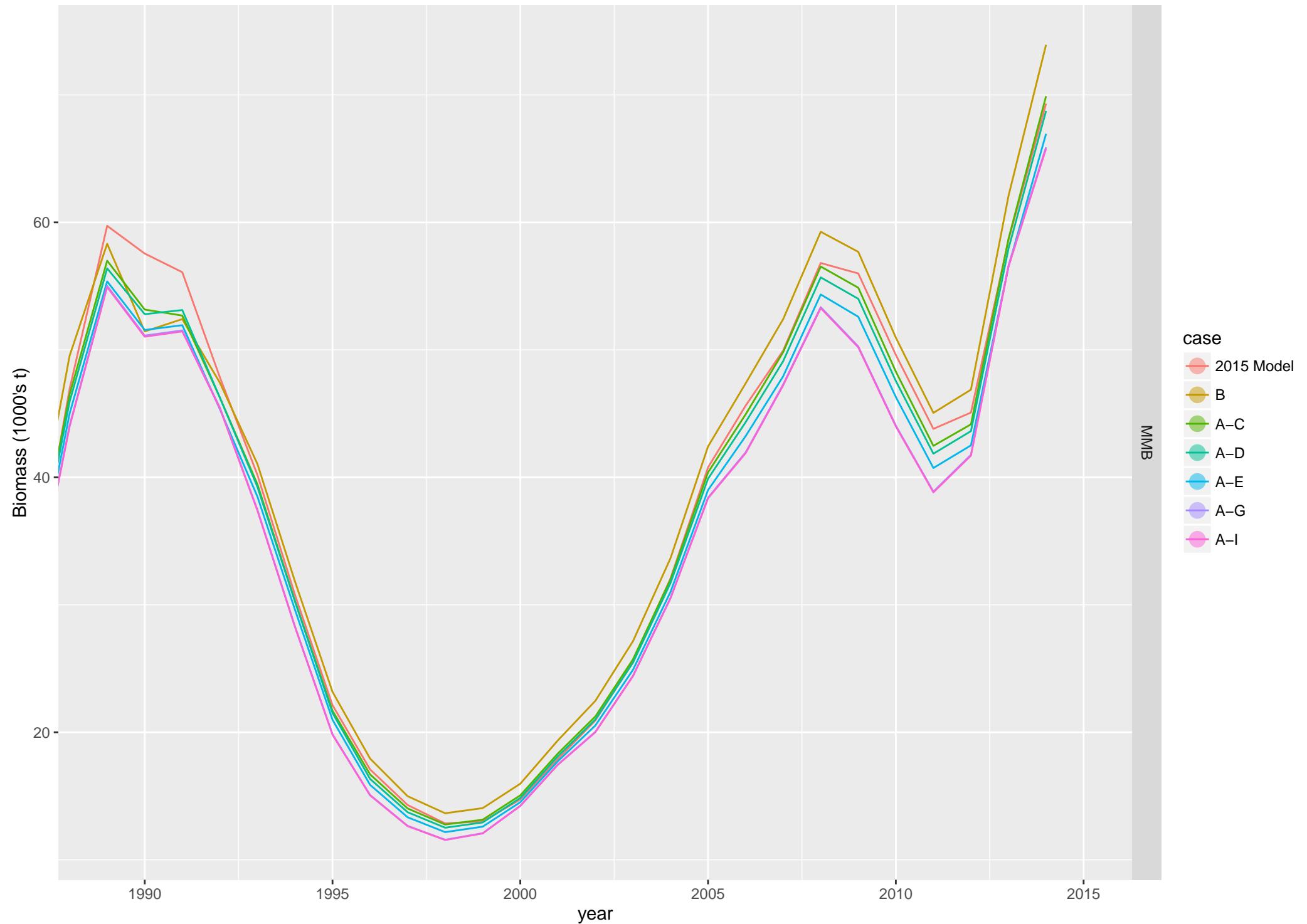


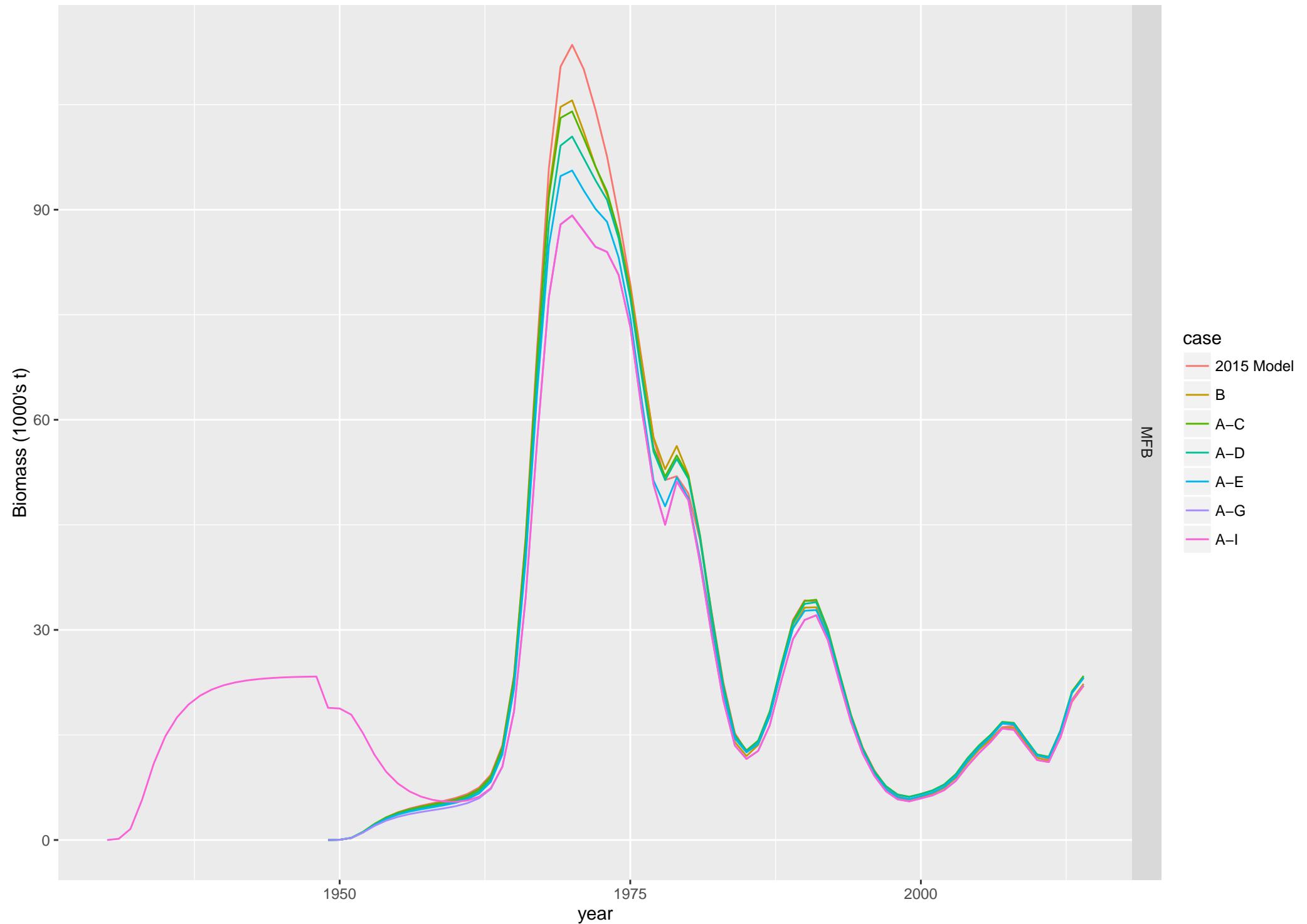
MMB—at mating



MMB-at-mating



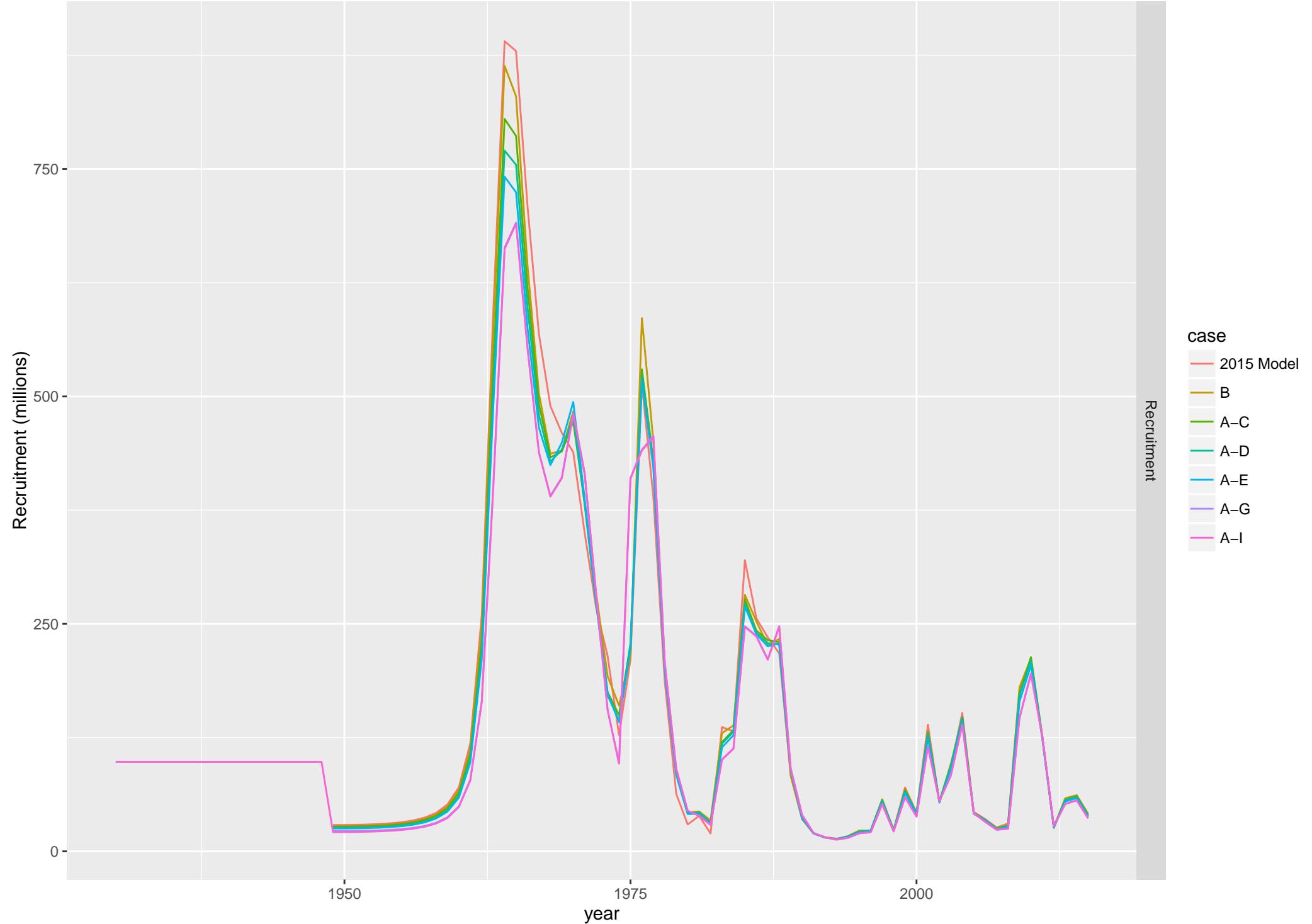
MFB-at-mating



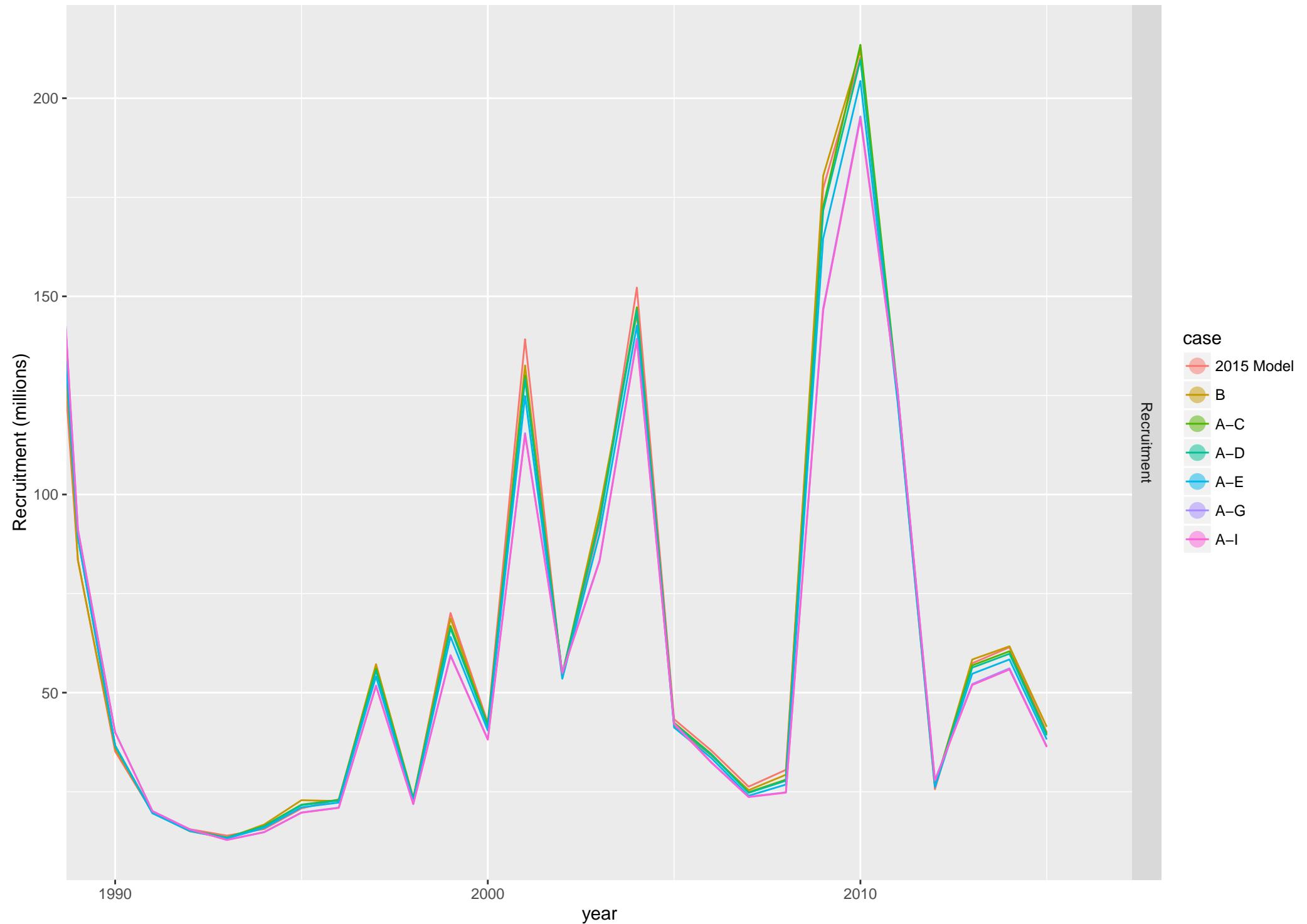
MFB-at-mating



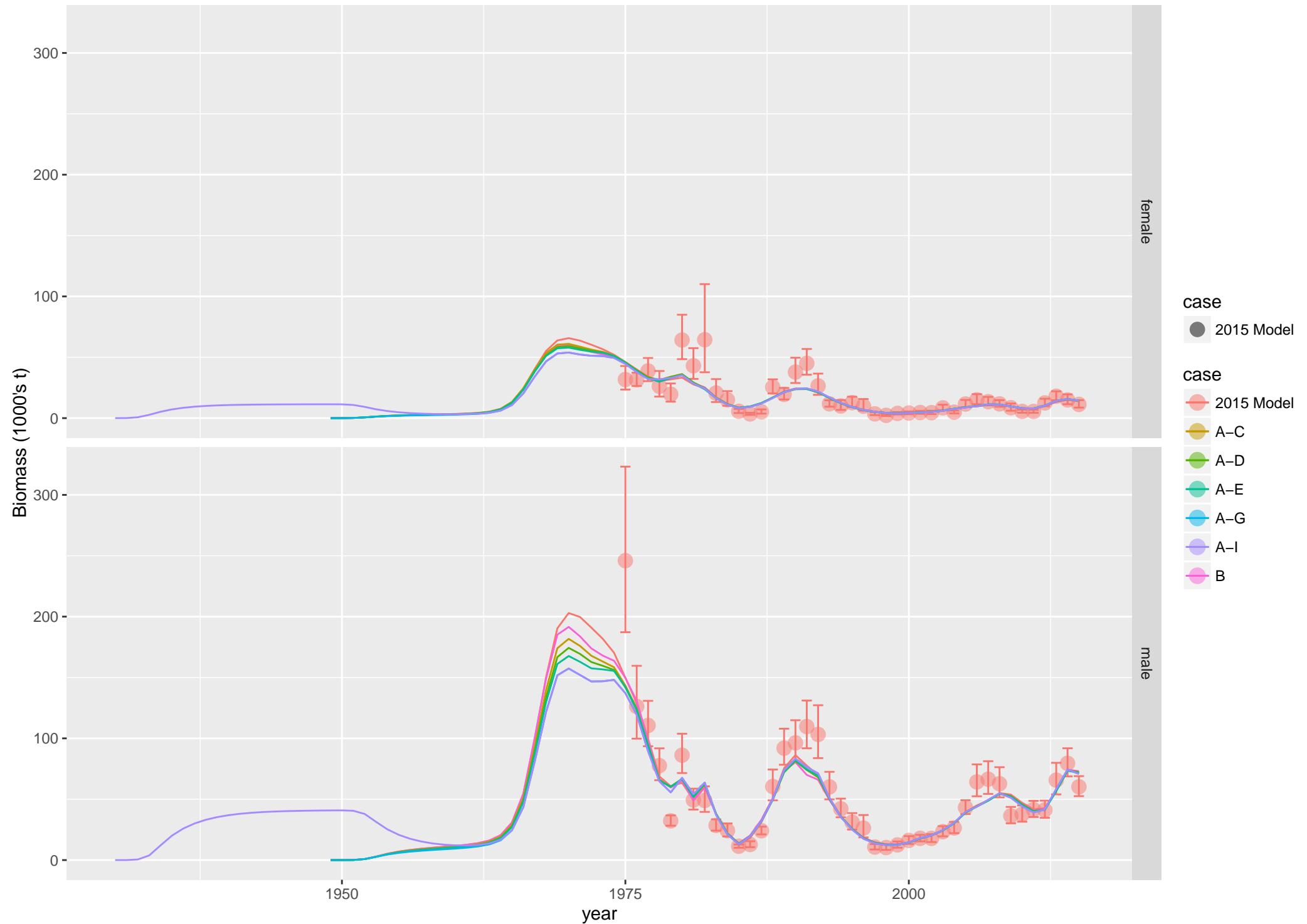
Male Recruitment



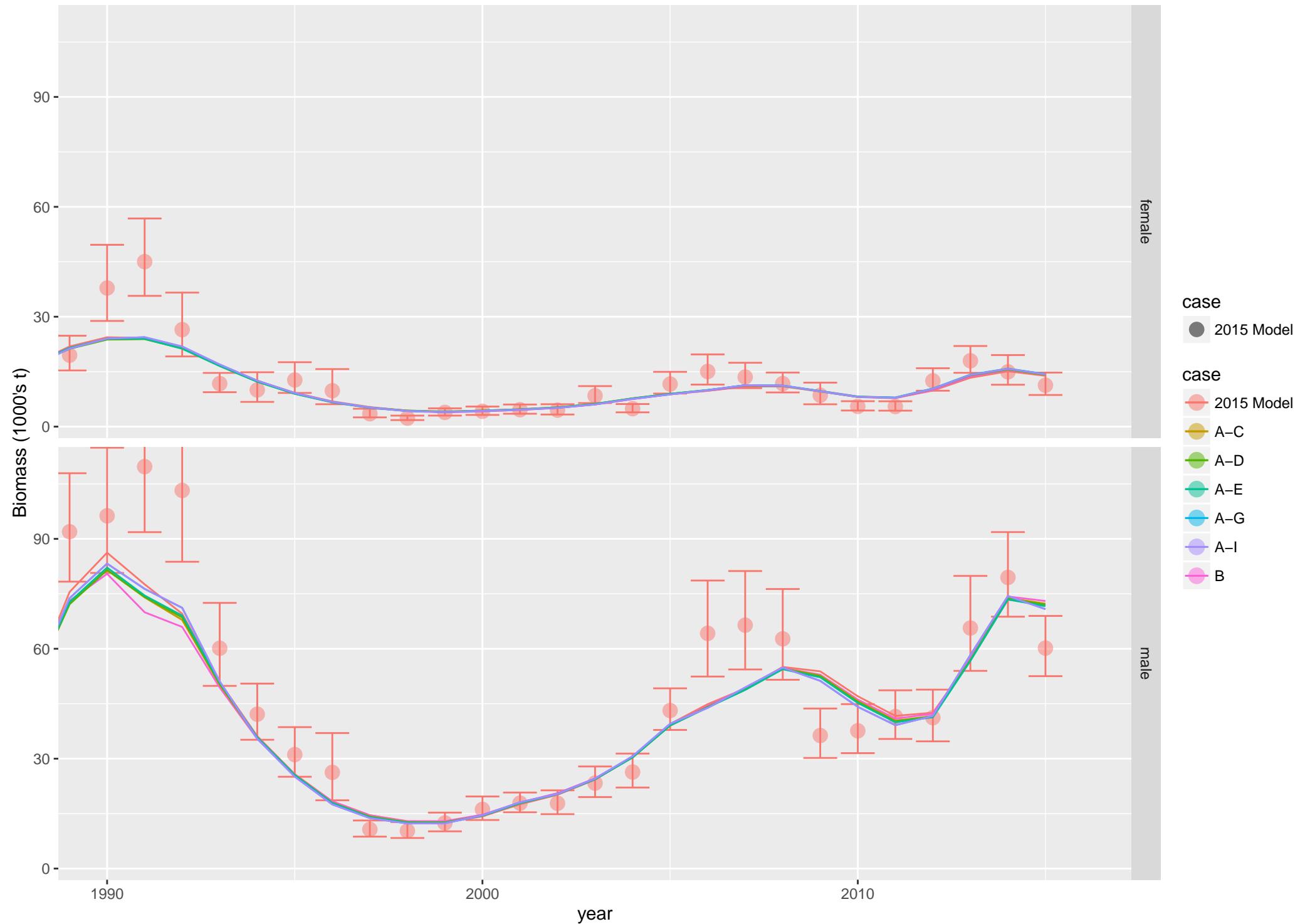
Male Recruitment



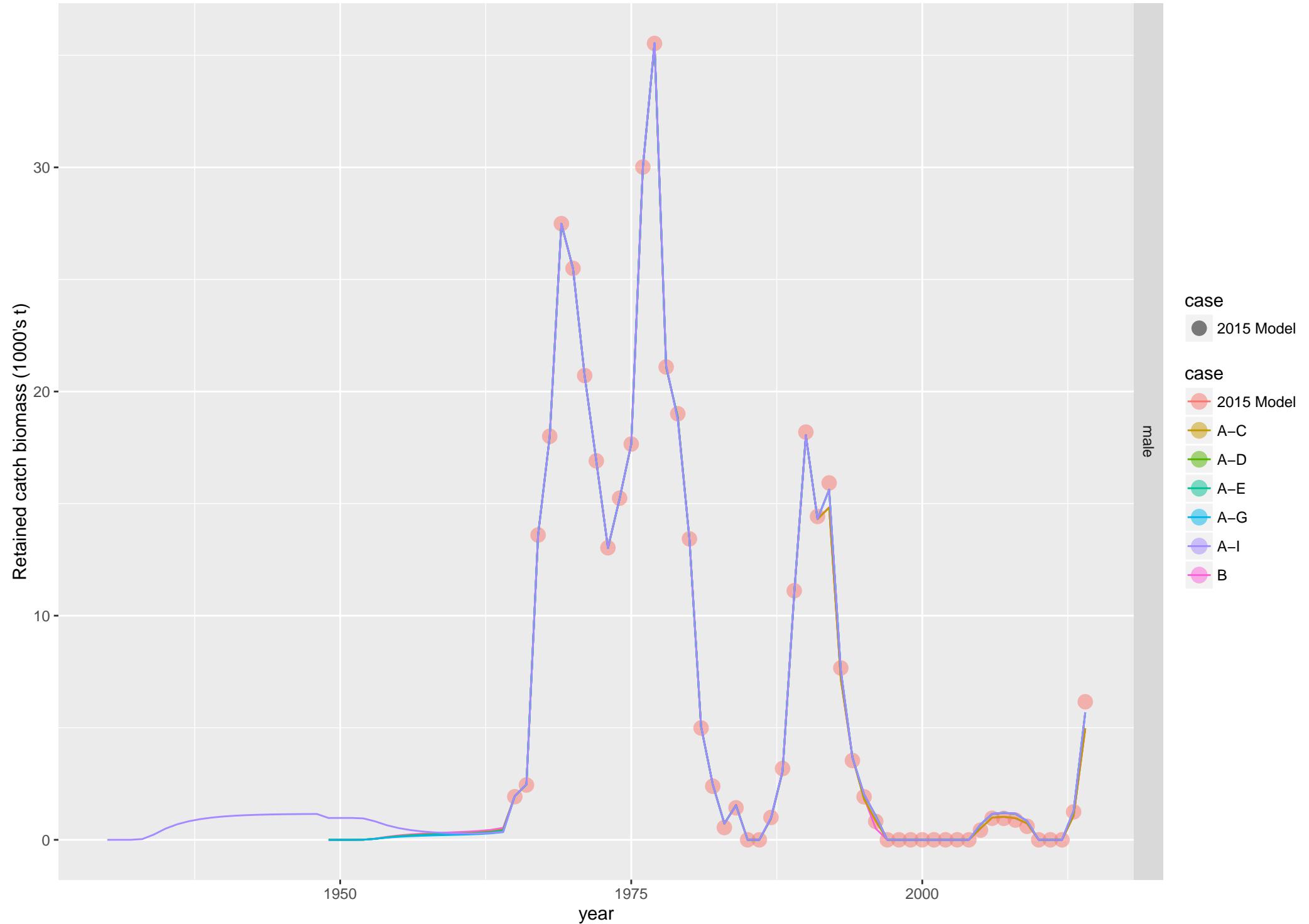
Mature survey biomass



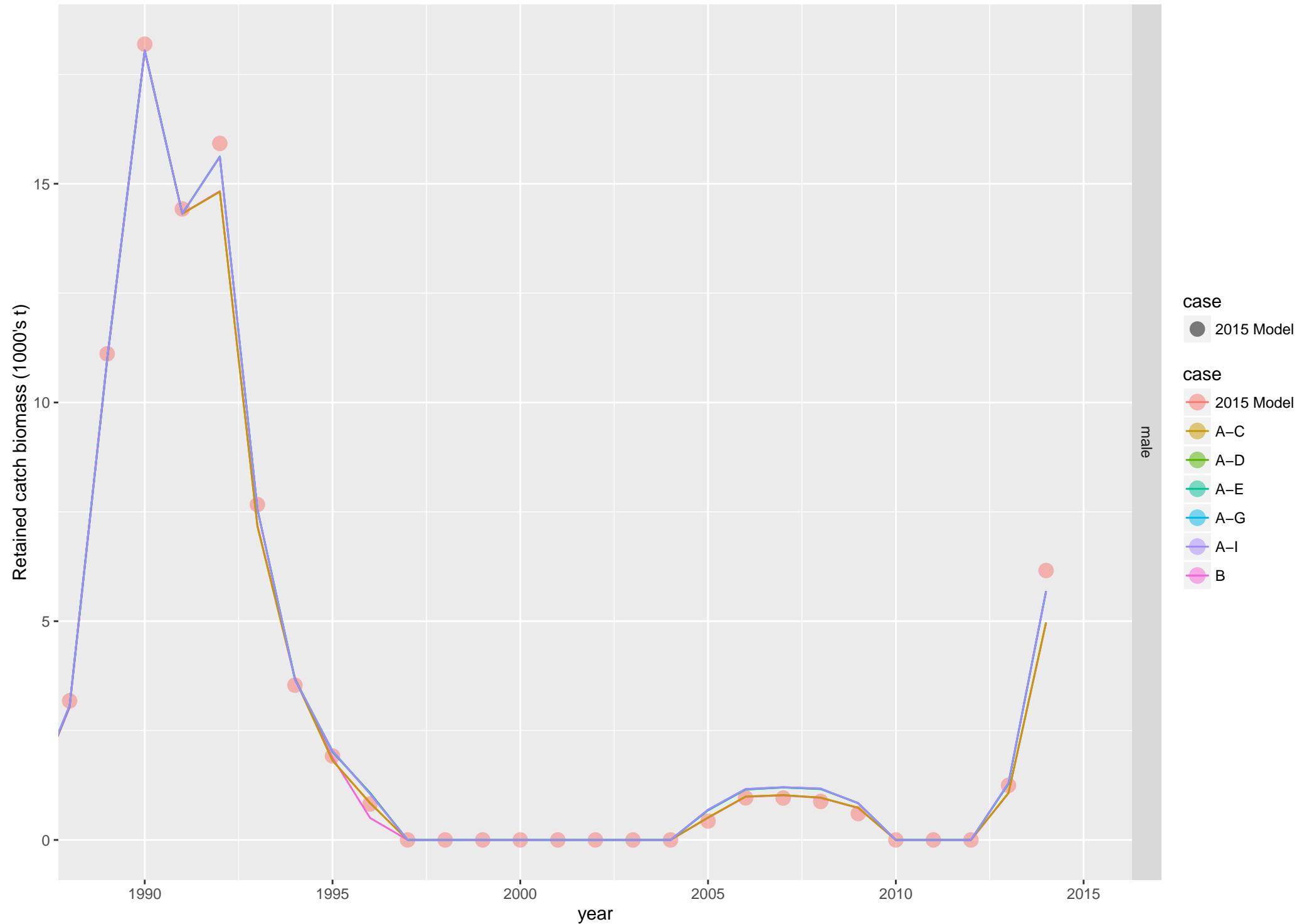
Mature survey biomass



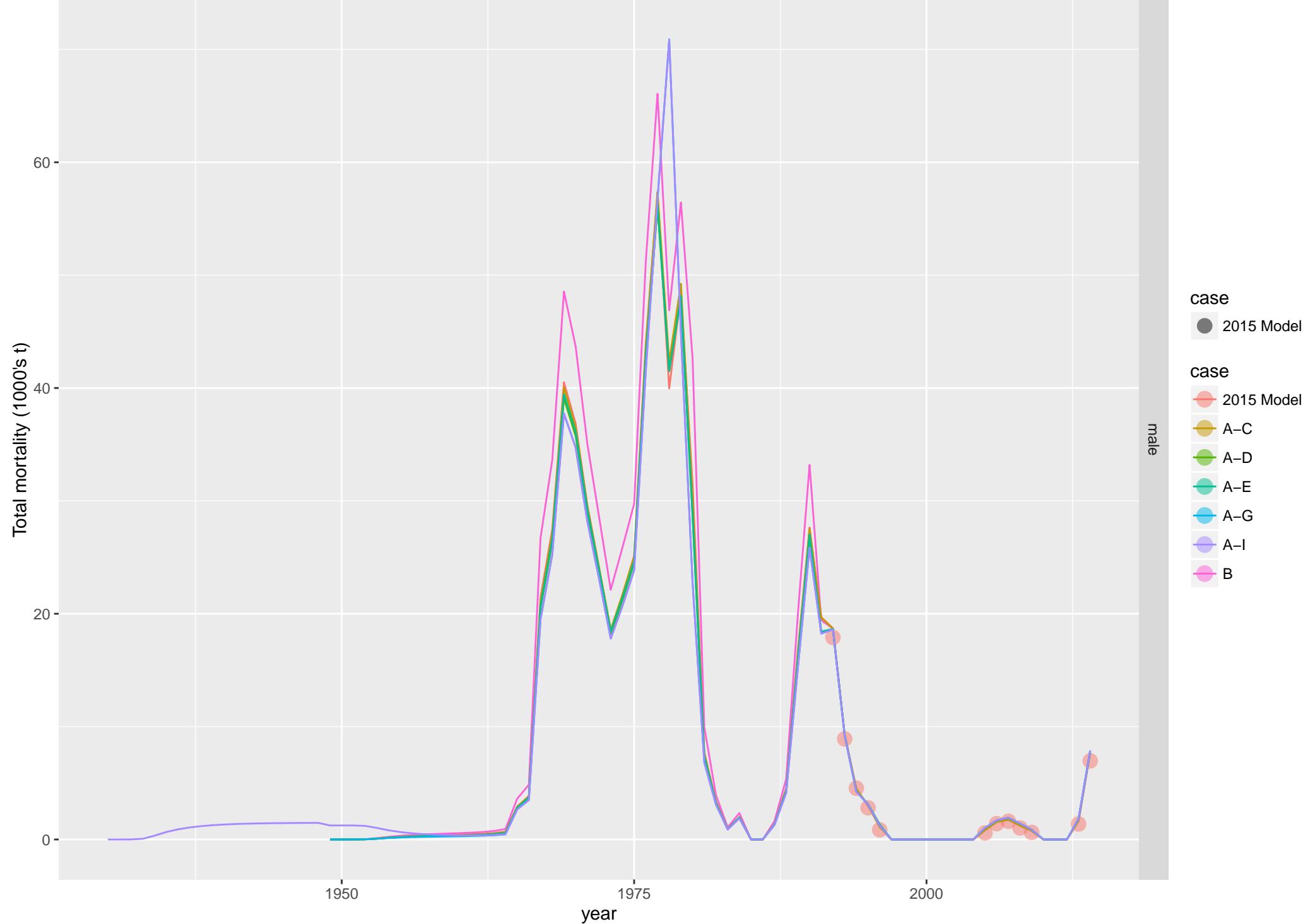
Retained catch biomass



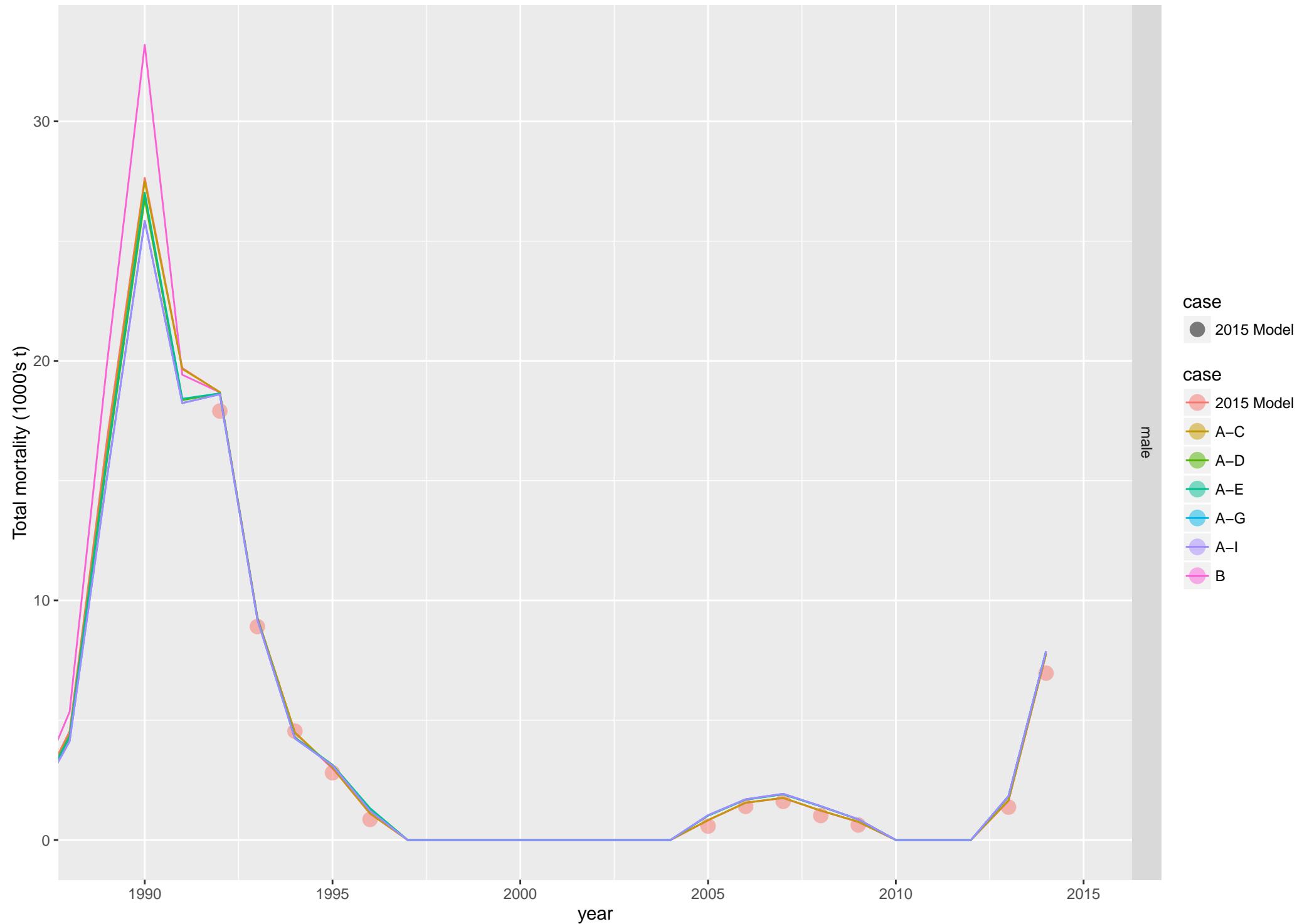
Retained catch biomass



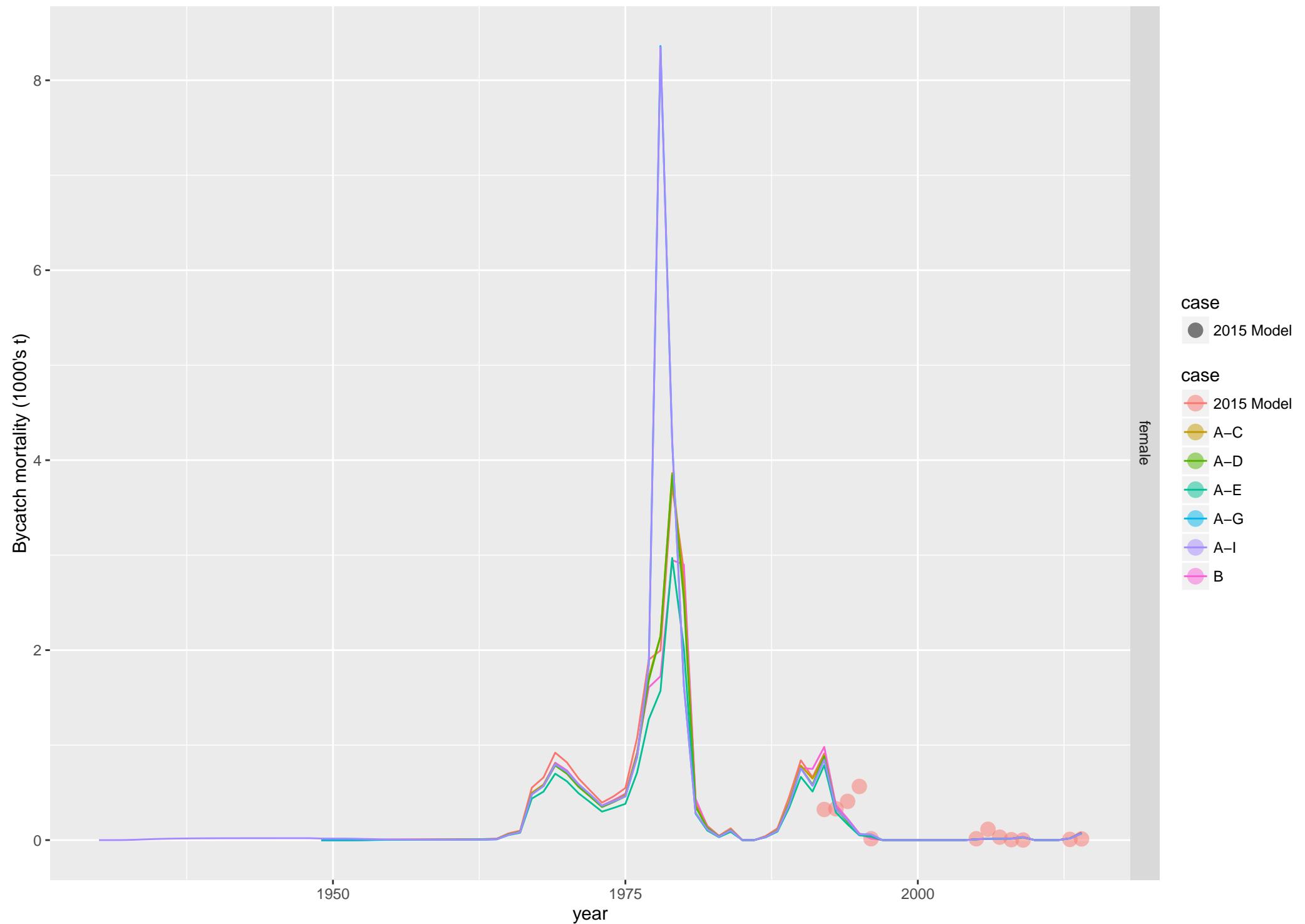
Males, directed fishery



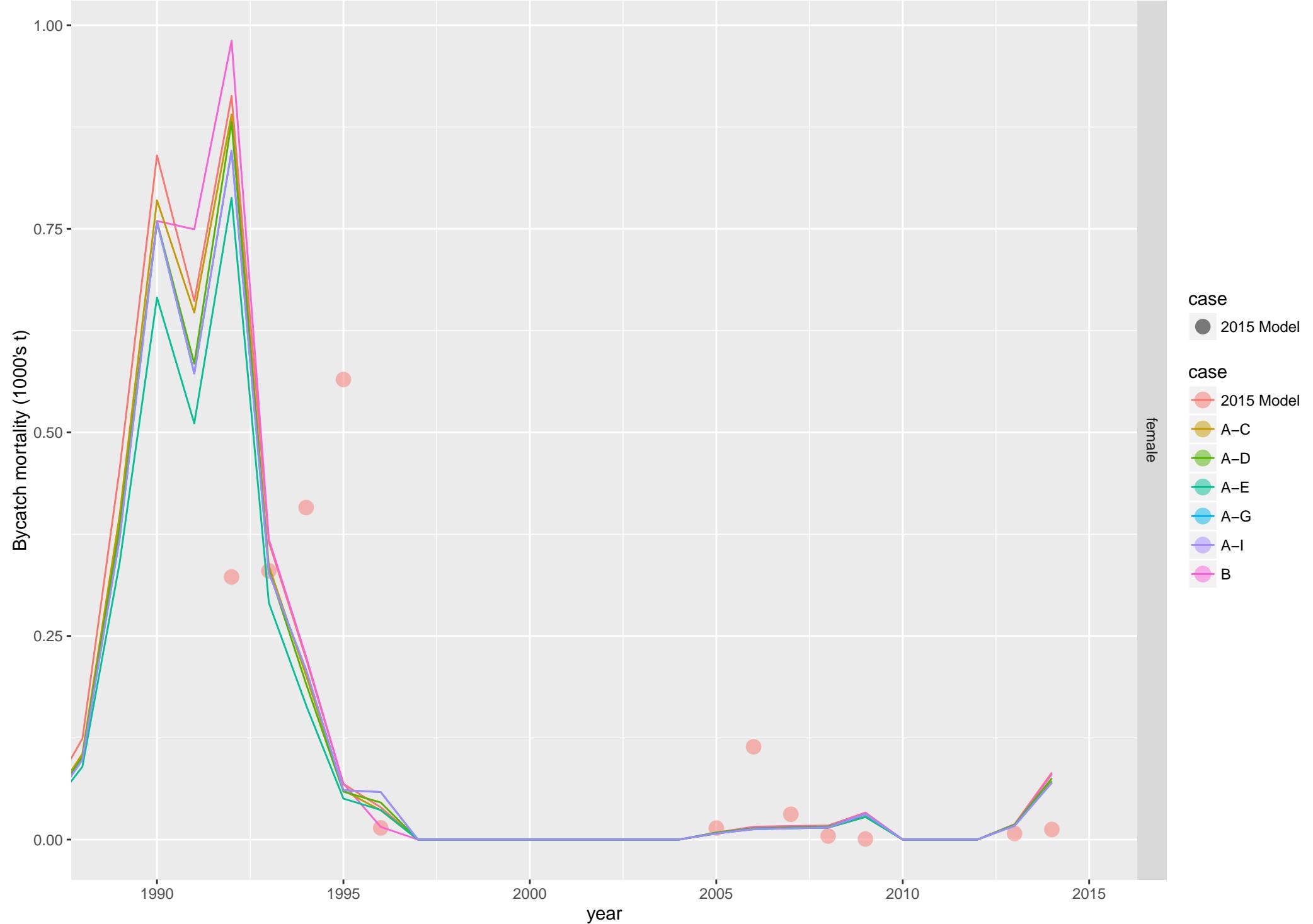
Males, directed fishery



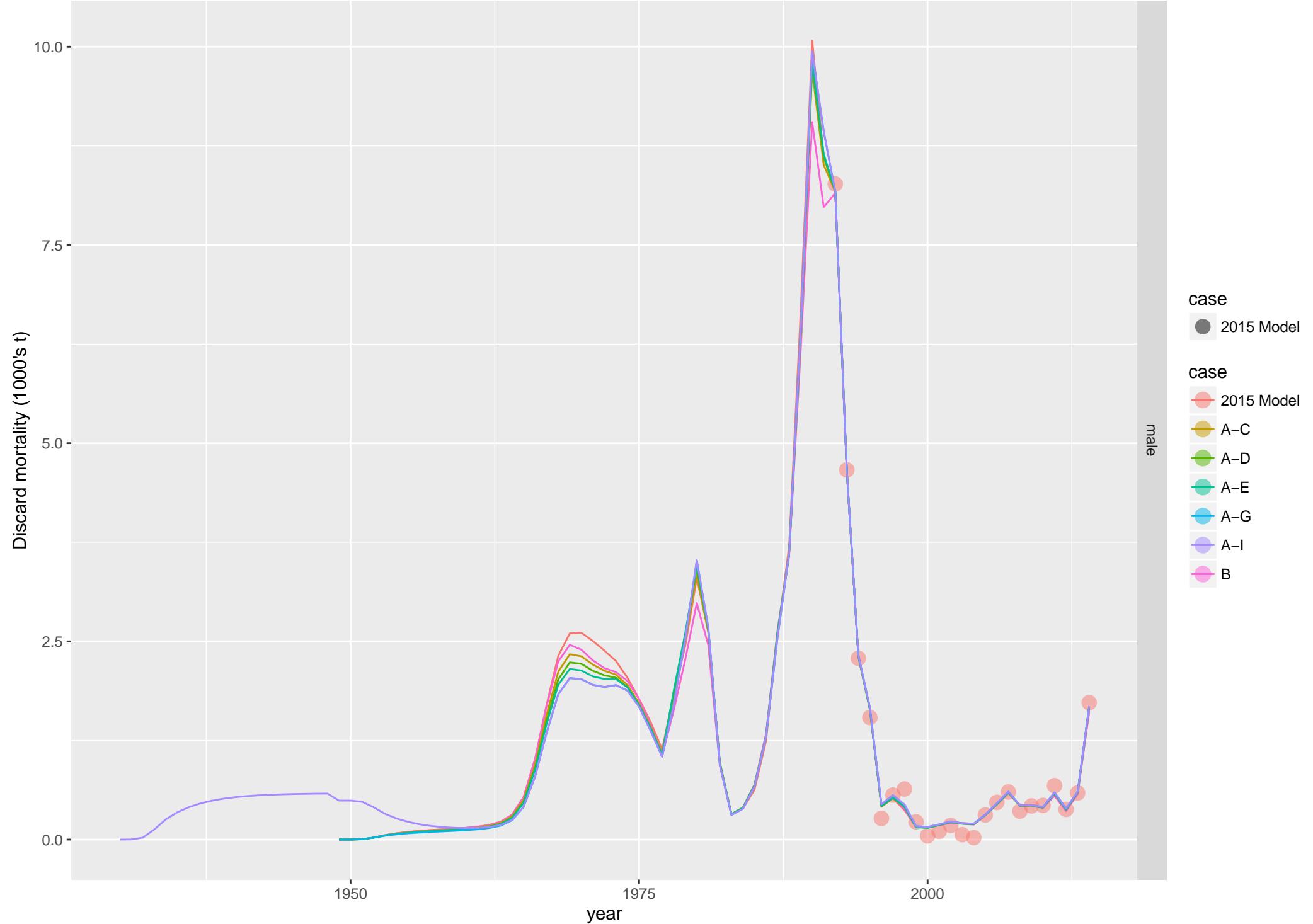
Females, directed fishery



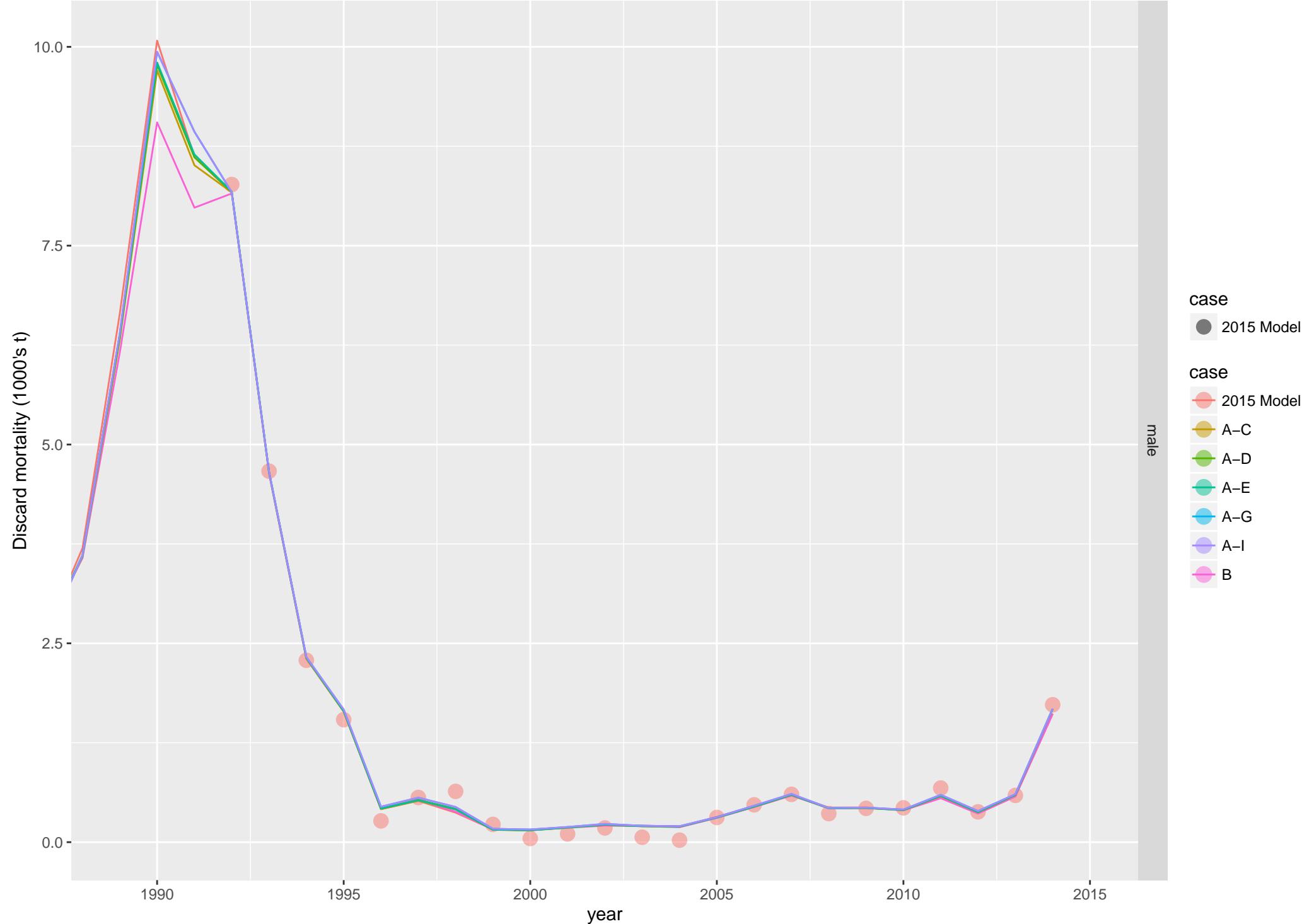
Females, directed fishery



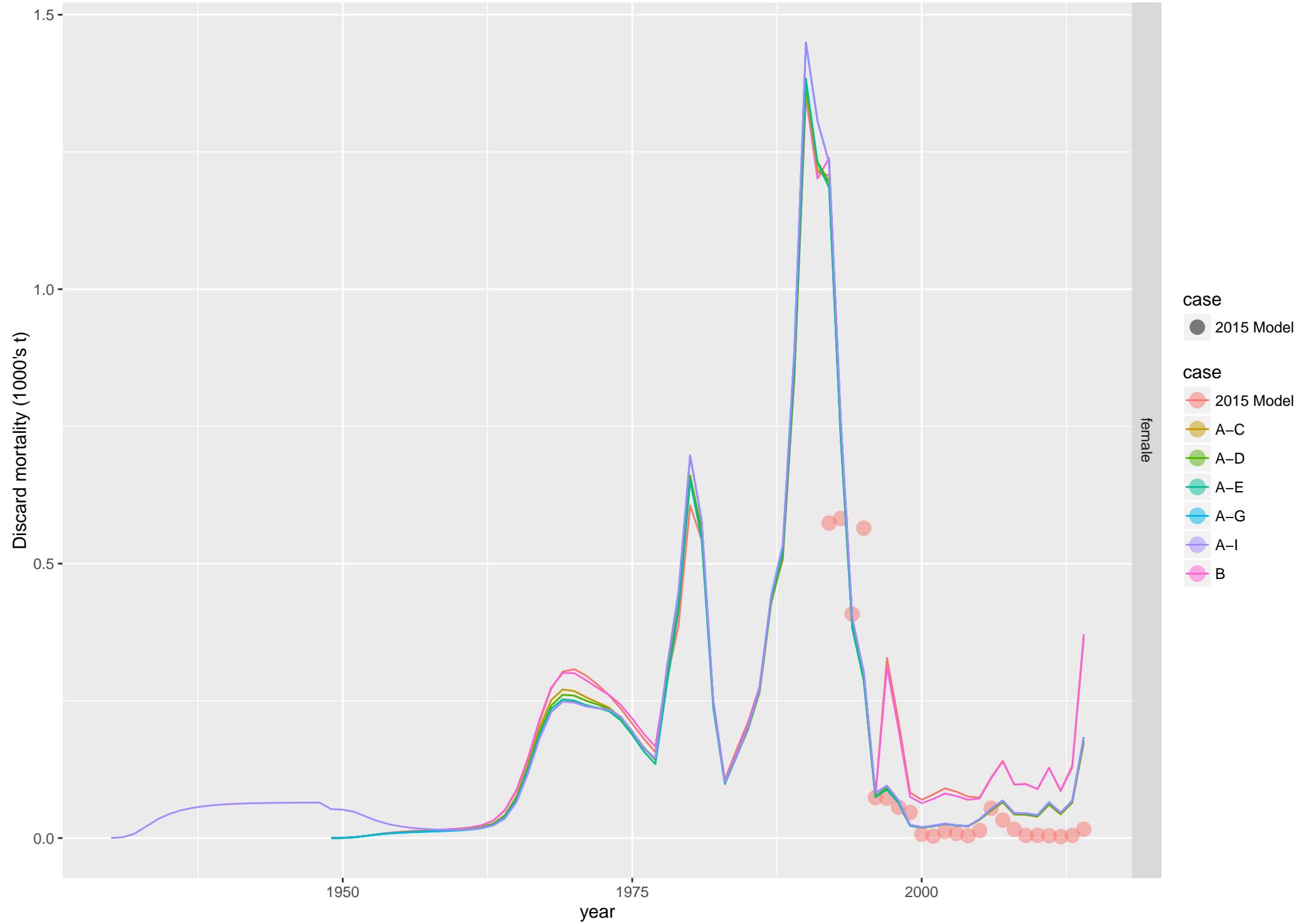
Males, snow crab fishery bycatch mortality



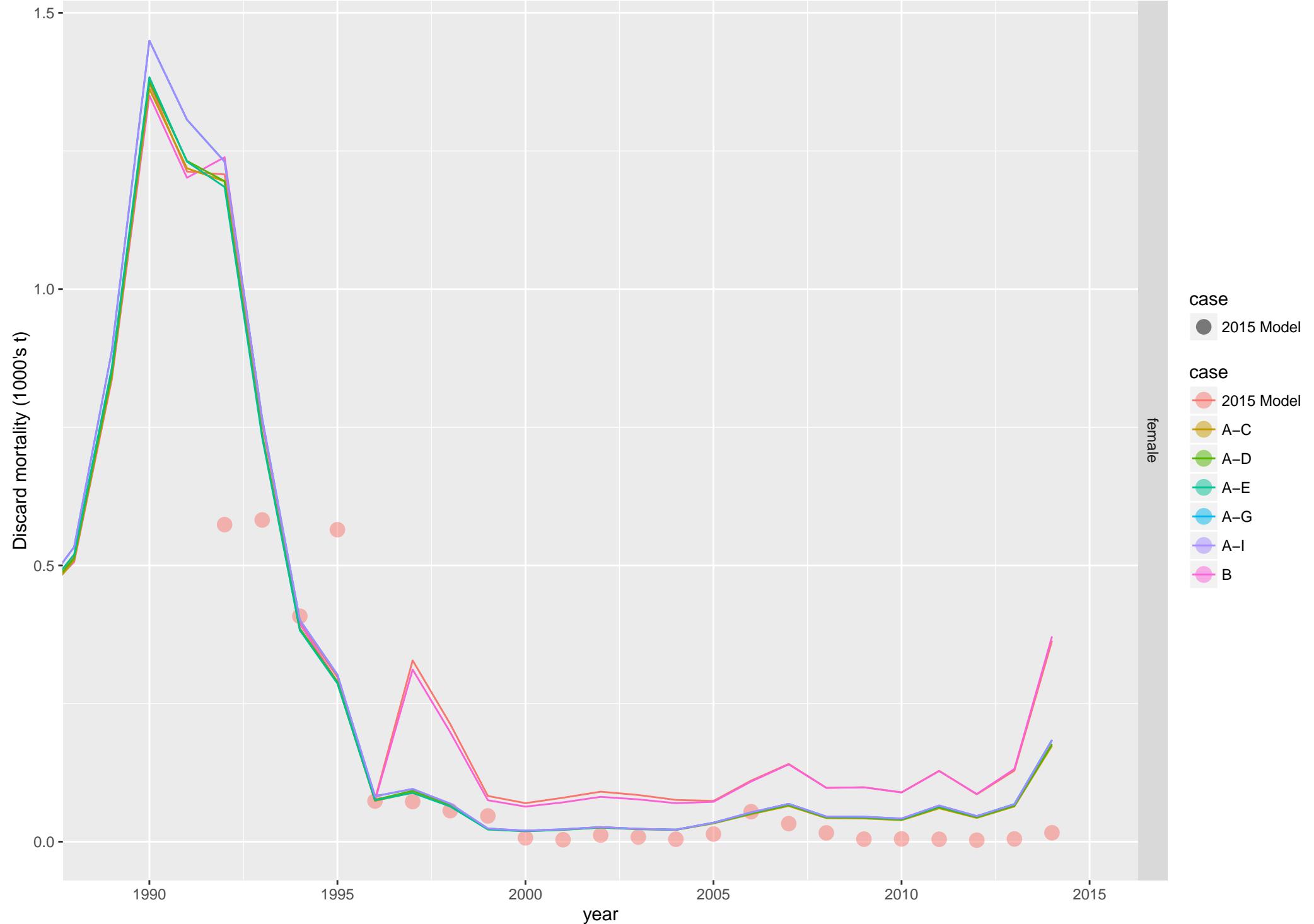
Males, snow crab fishery bycatch mortality



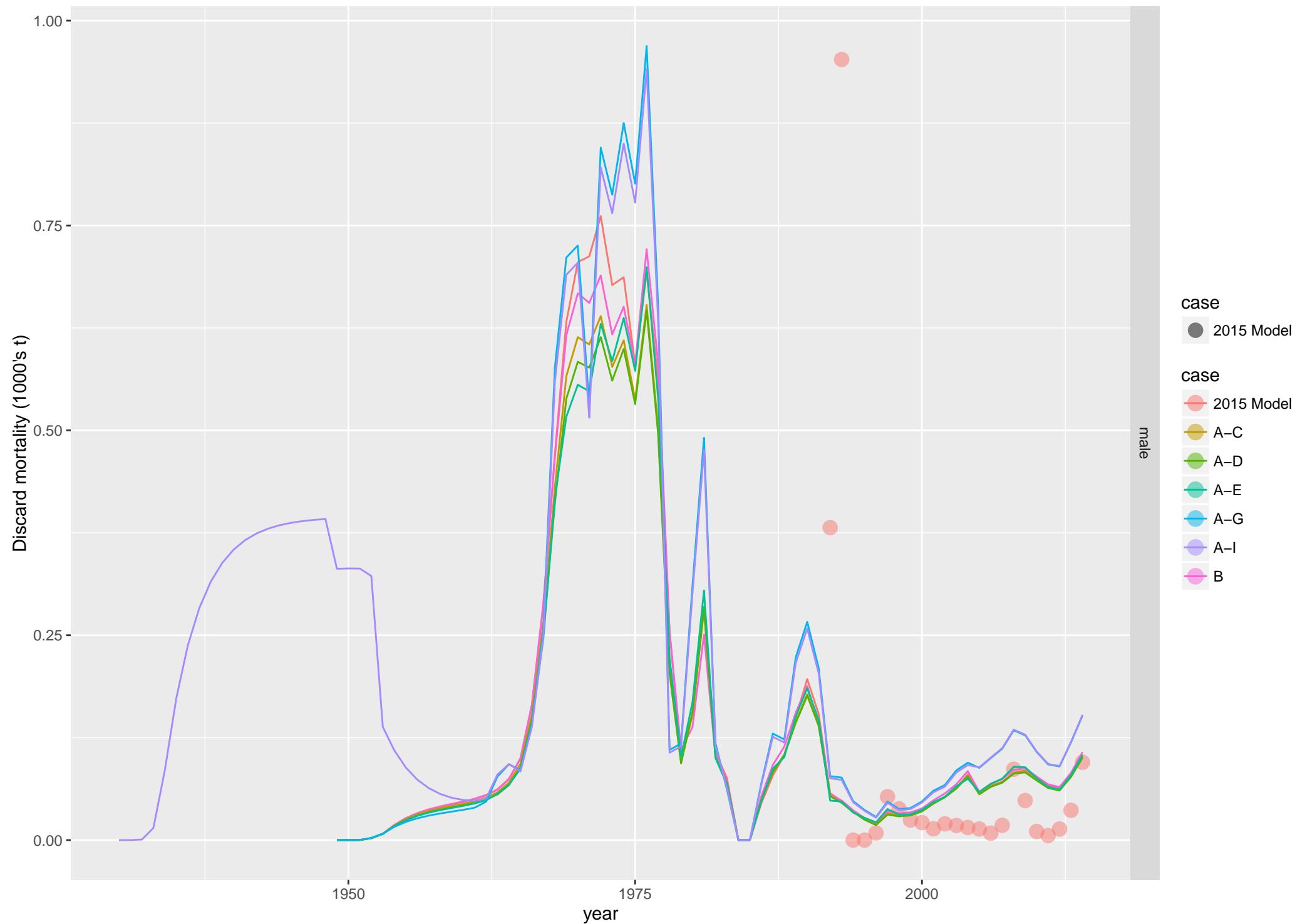
Females, snow crab fishery bycatch mortality



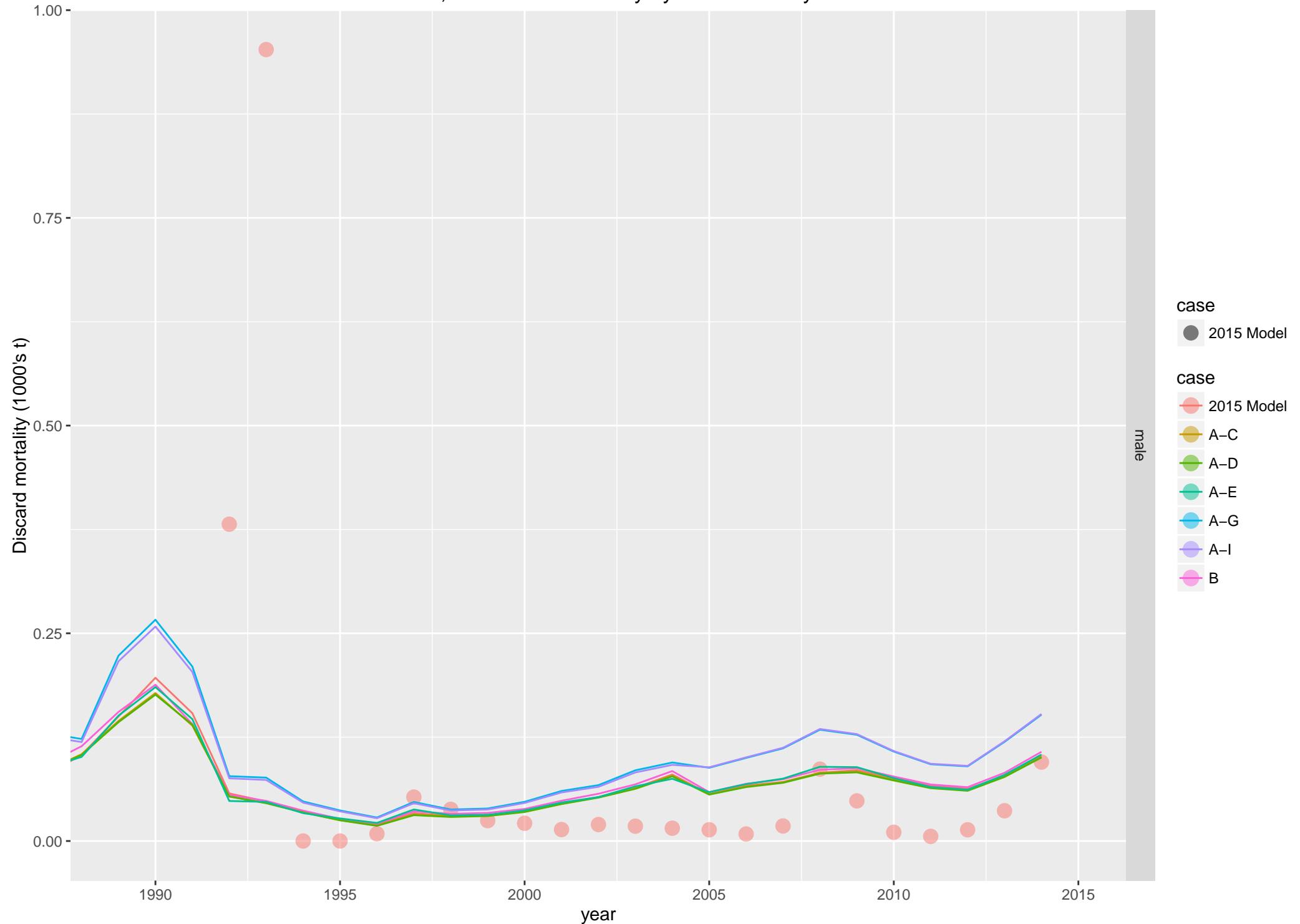
Females, snow crab fishery bycatch mortality



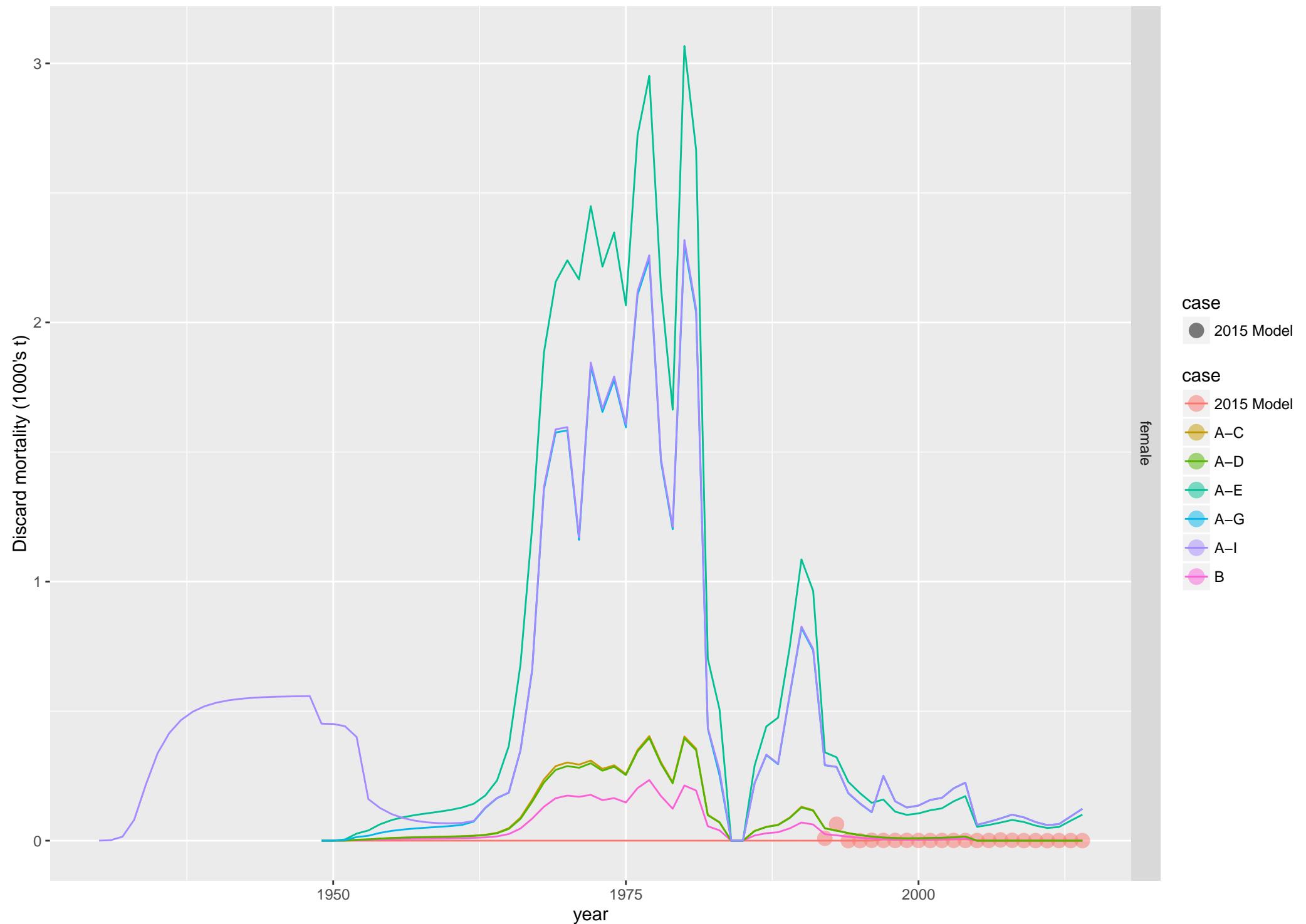
Males, BBRKC crab fishery bycatch mortality



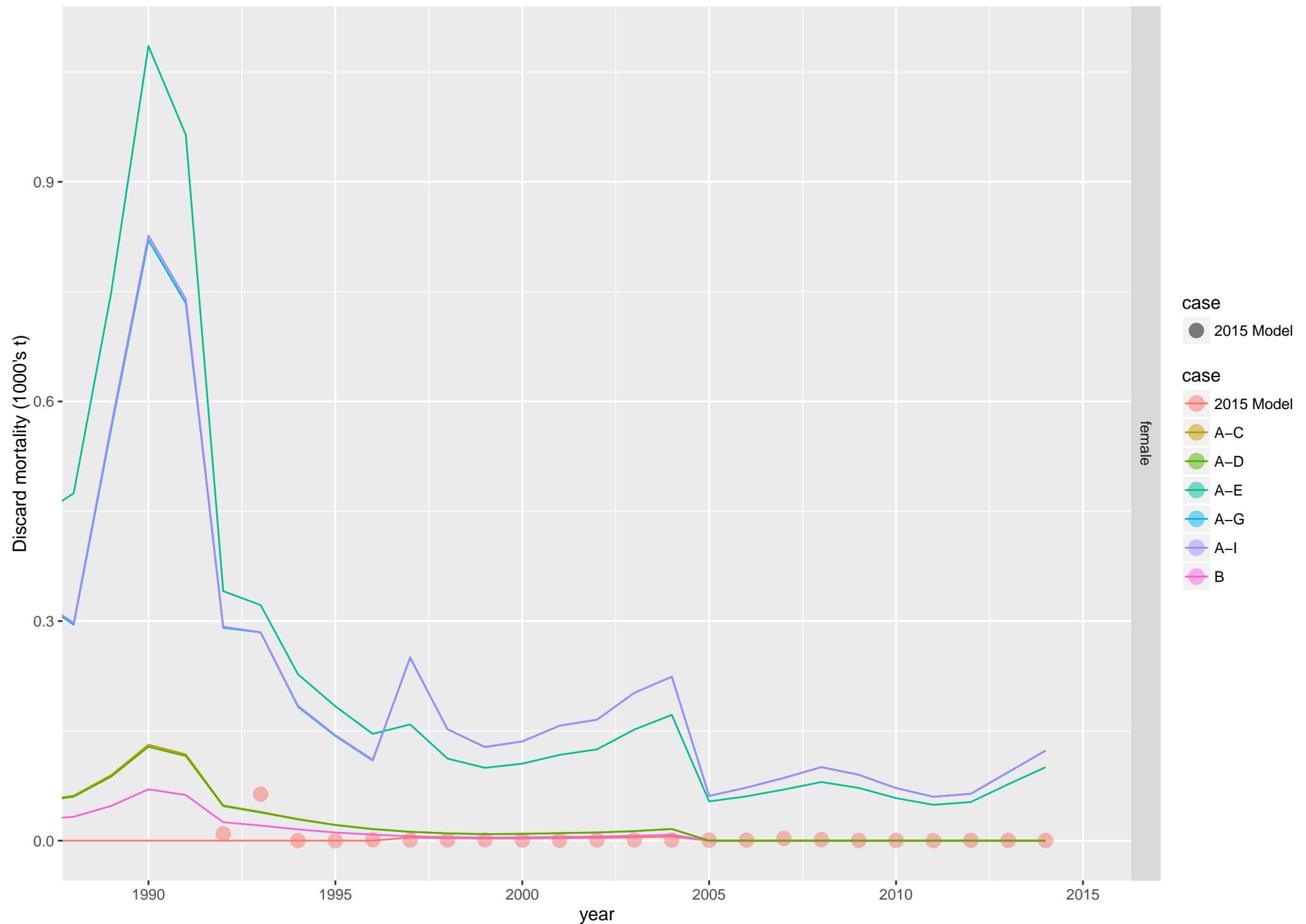
Males, BBRKC crab fishery bycatch mortality



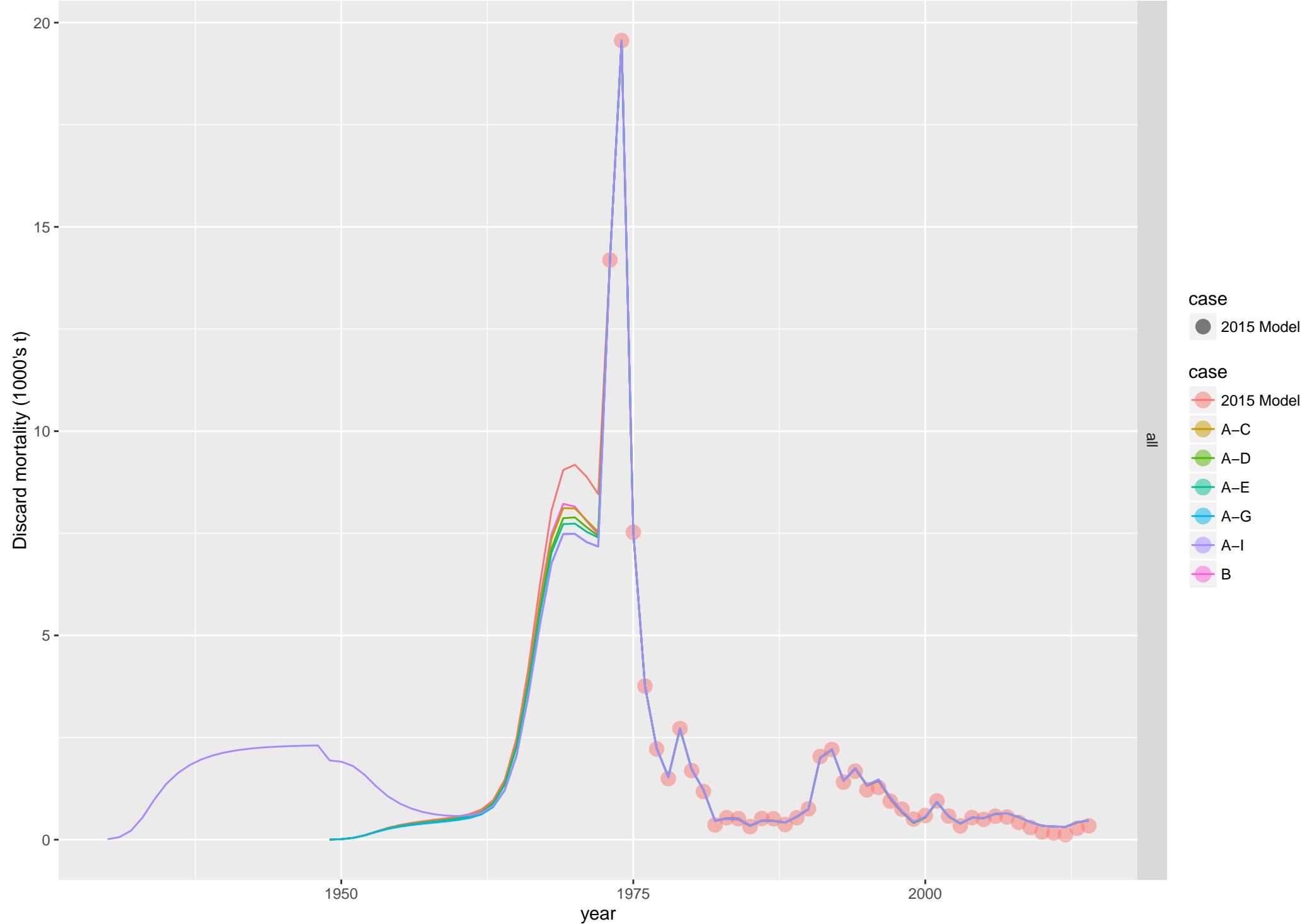
Females, BBRKC fishery bycatch mortality



Females, BBRKC fishery bycatch mortality



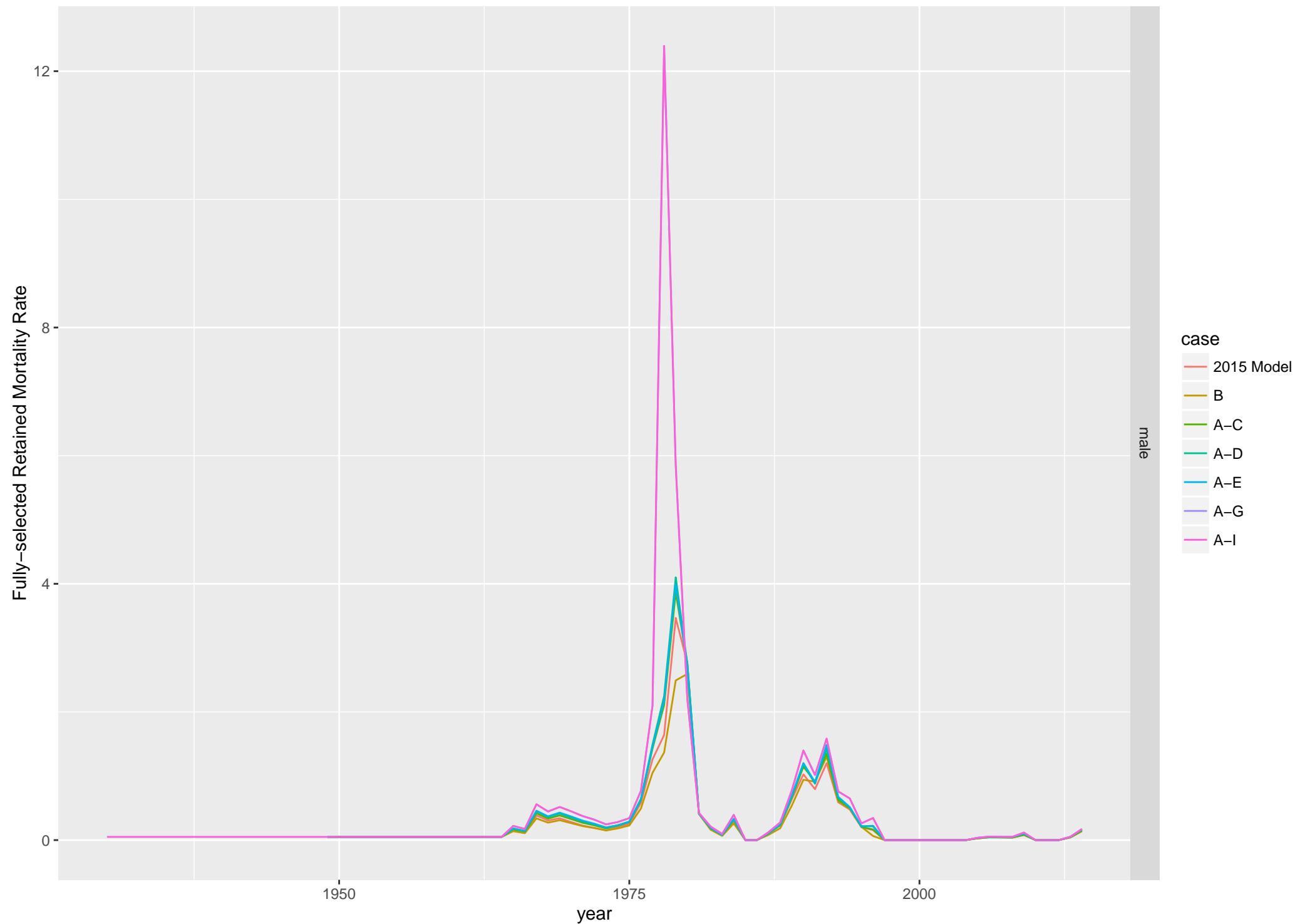
Groundfish fisheries bycatch mortality



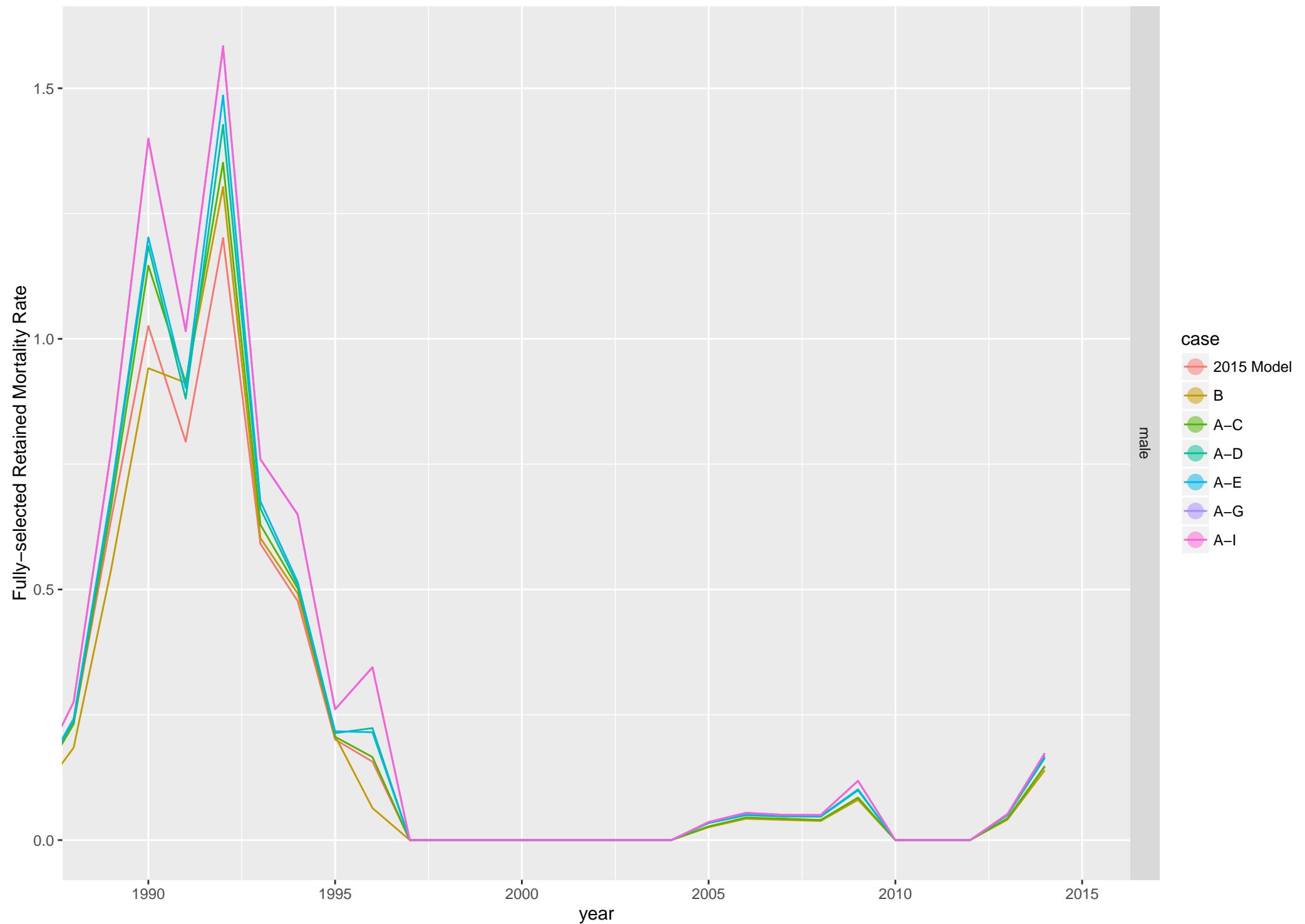
Groundfish fisheries bycatch mortality



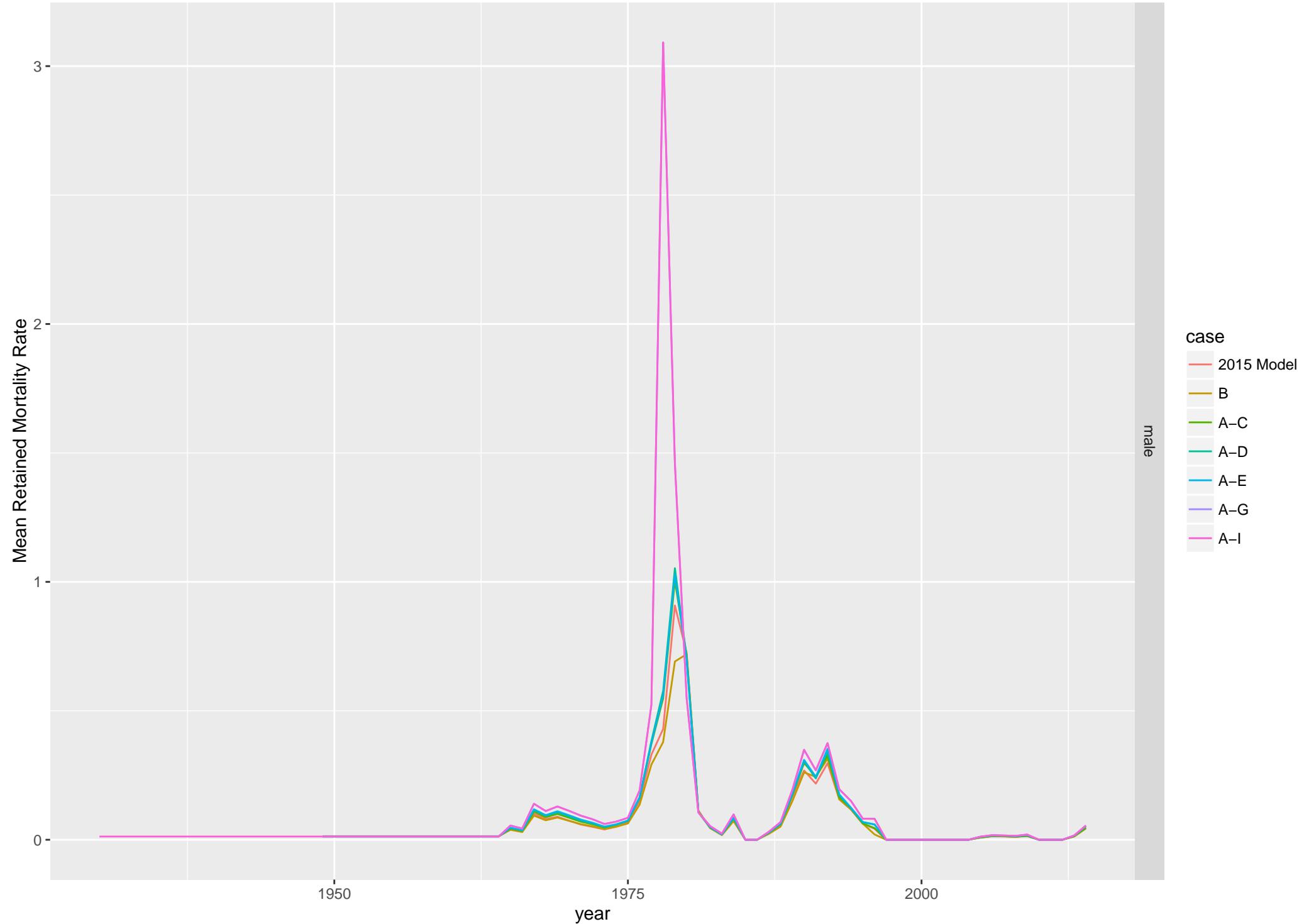
Males, retained fishing mortality rate



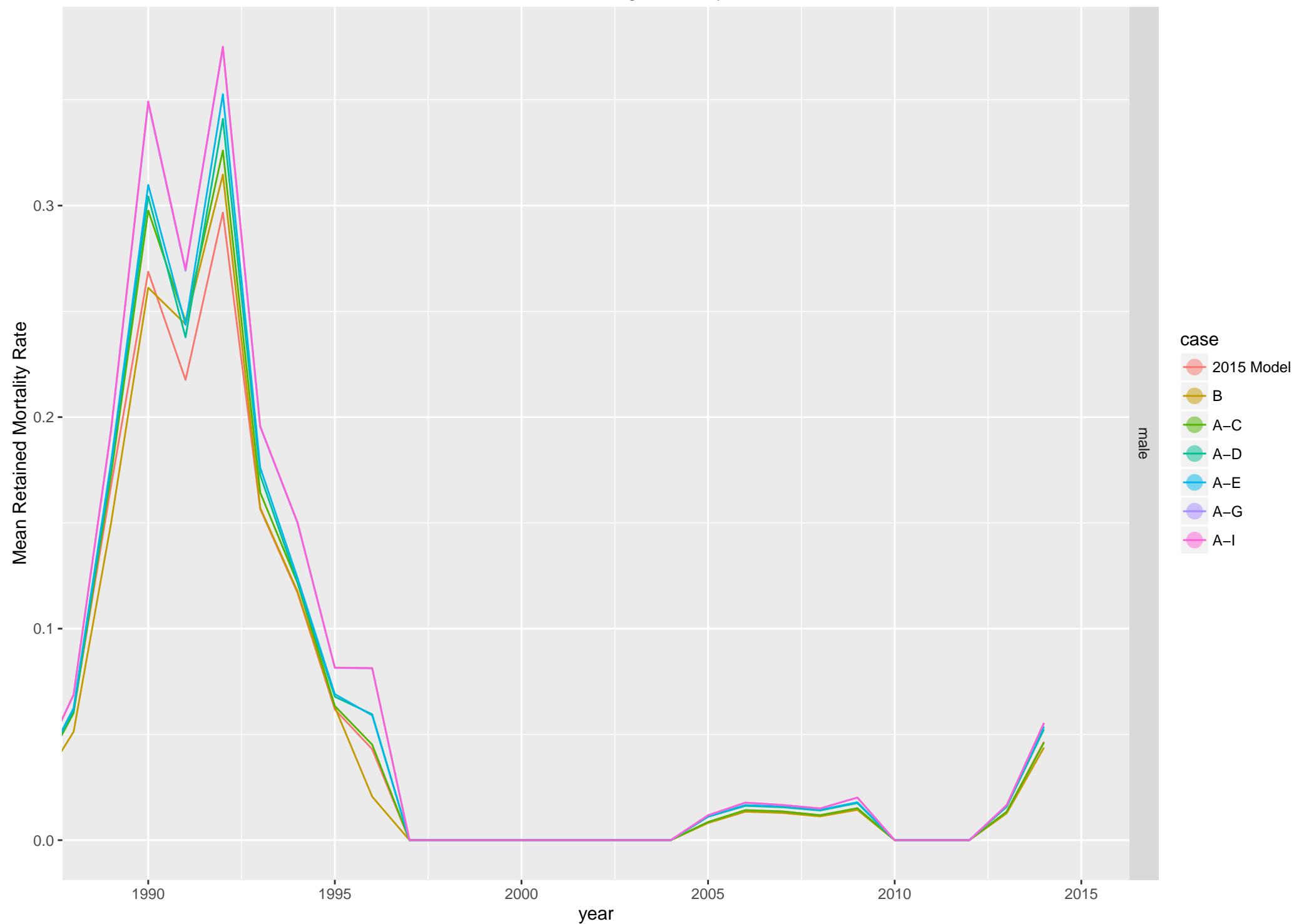
Males, retained fishing mortality rate



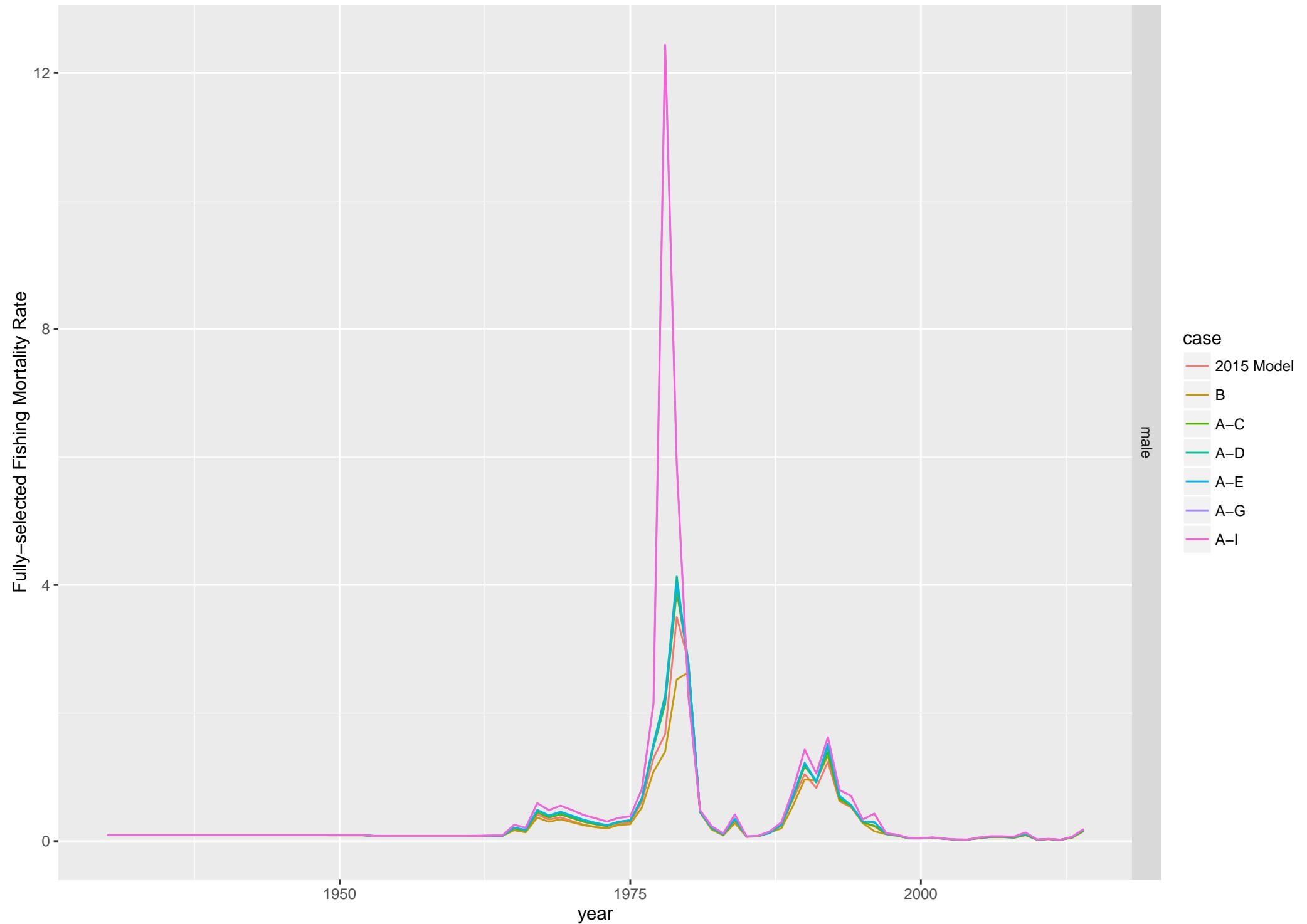
Males, retained fishing mortality rate



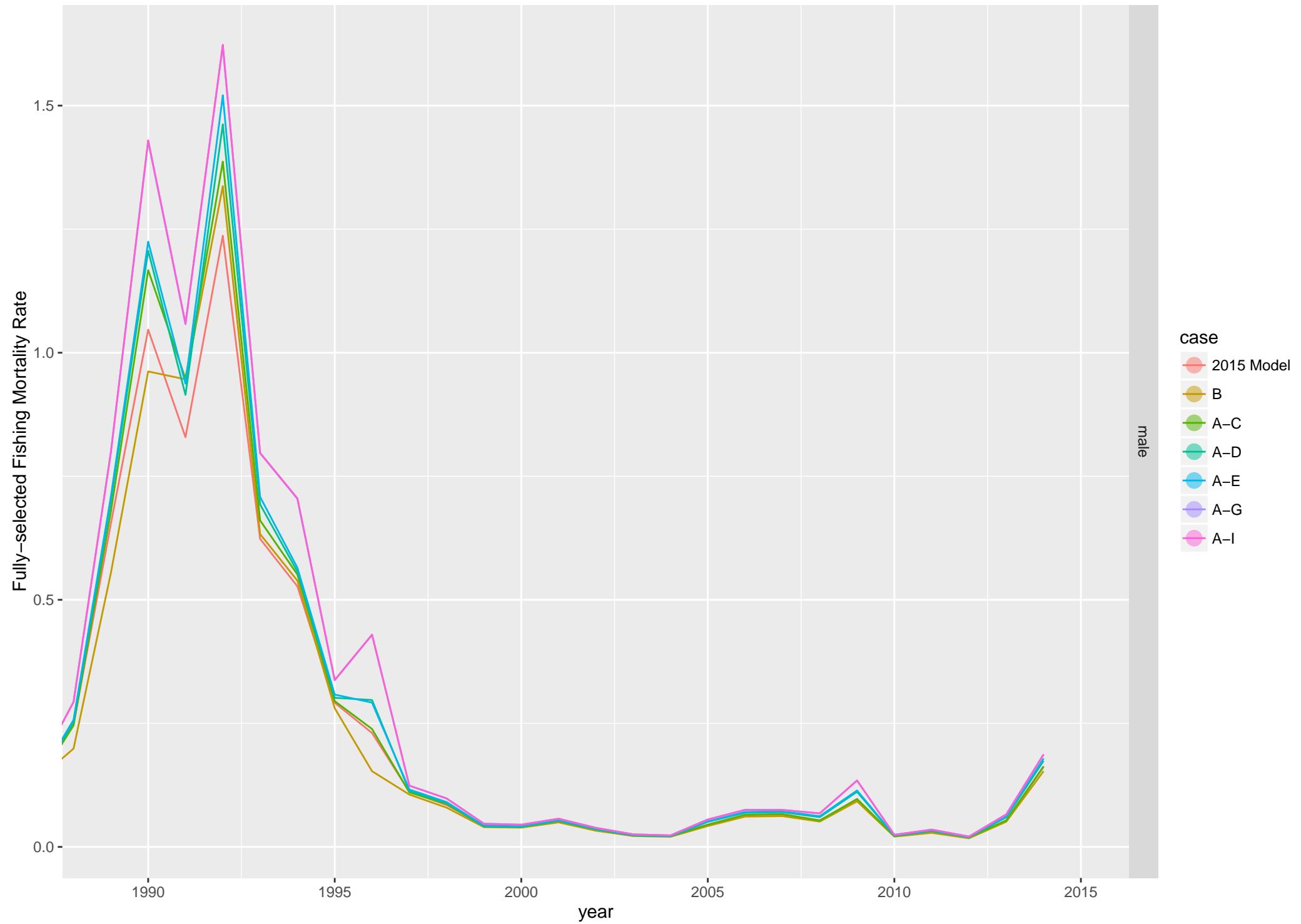
Males, retained fishing mortality rate



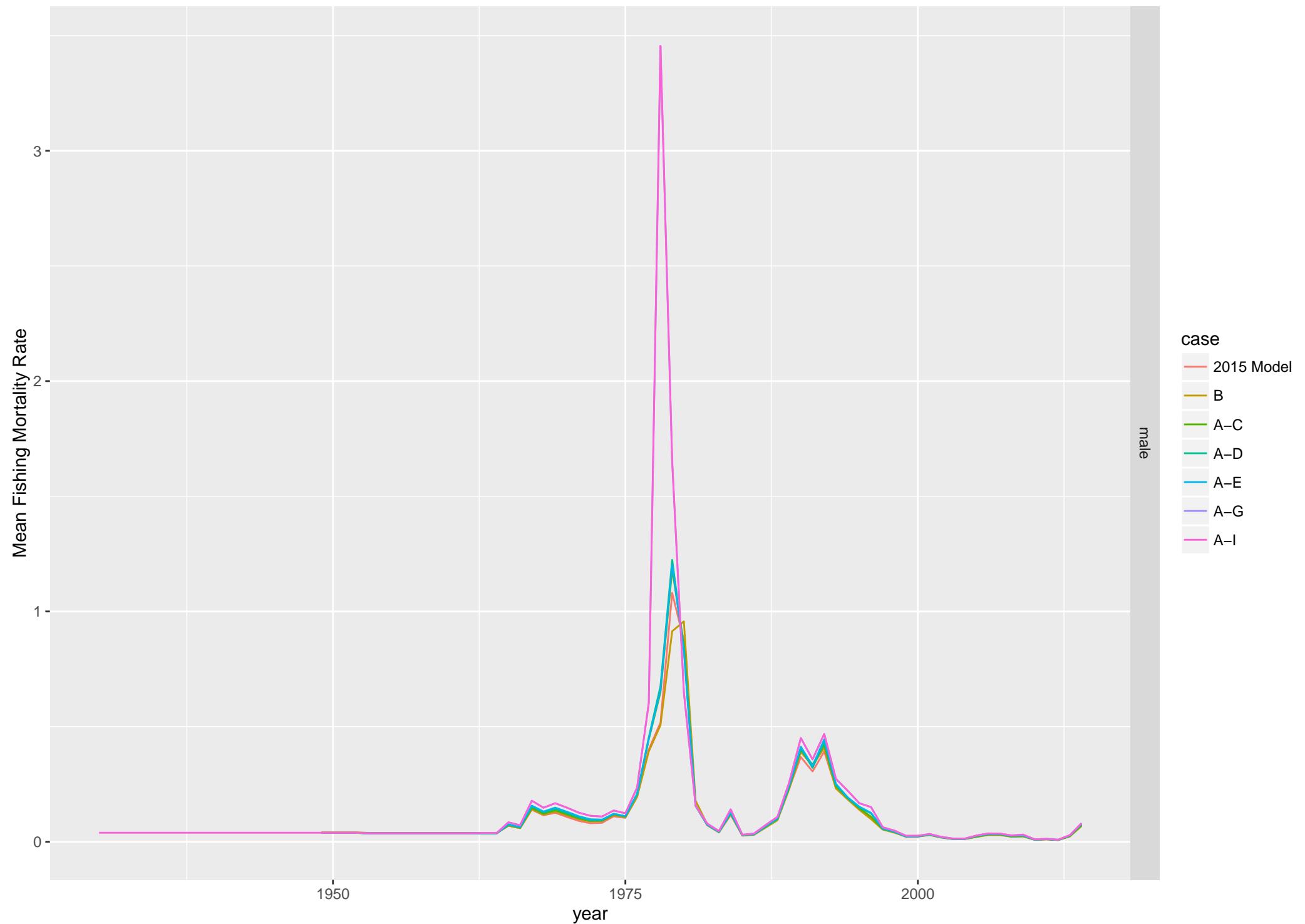
Males, directed fishery total mortality rate



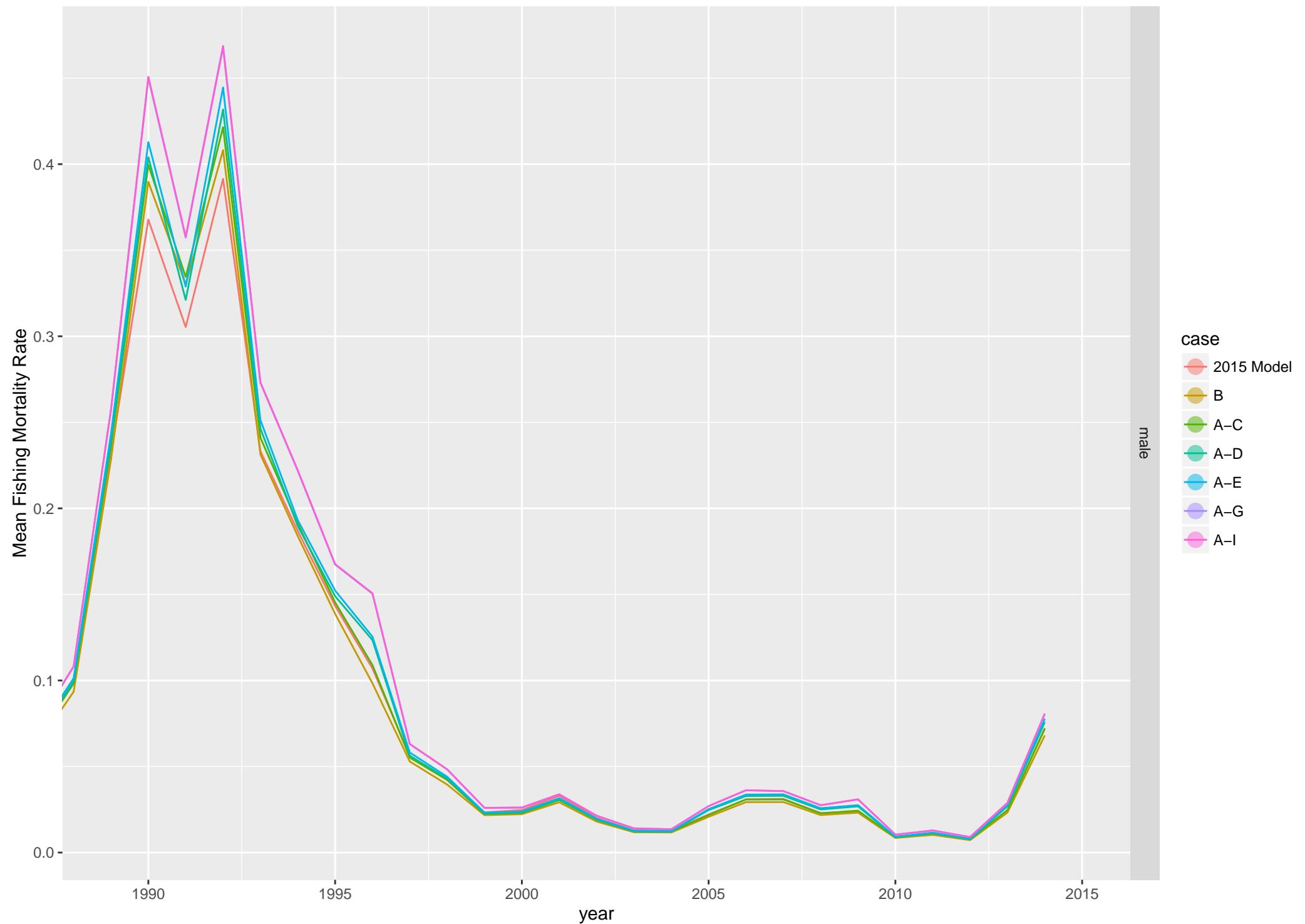
Males, directed fishery total mortality rate



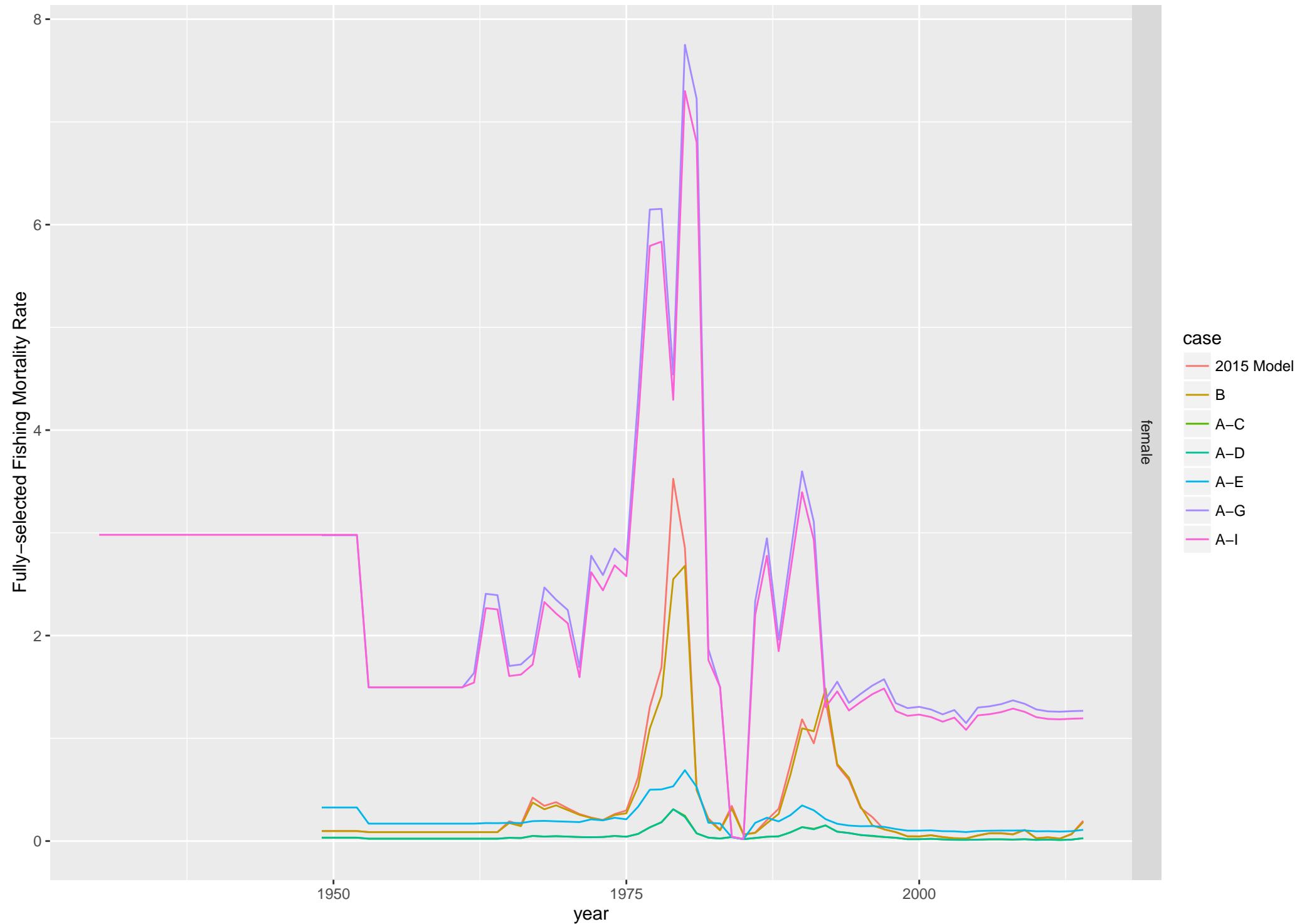
Males, directed fishery total mortality rate



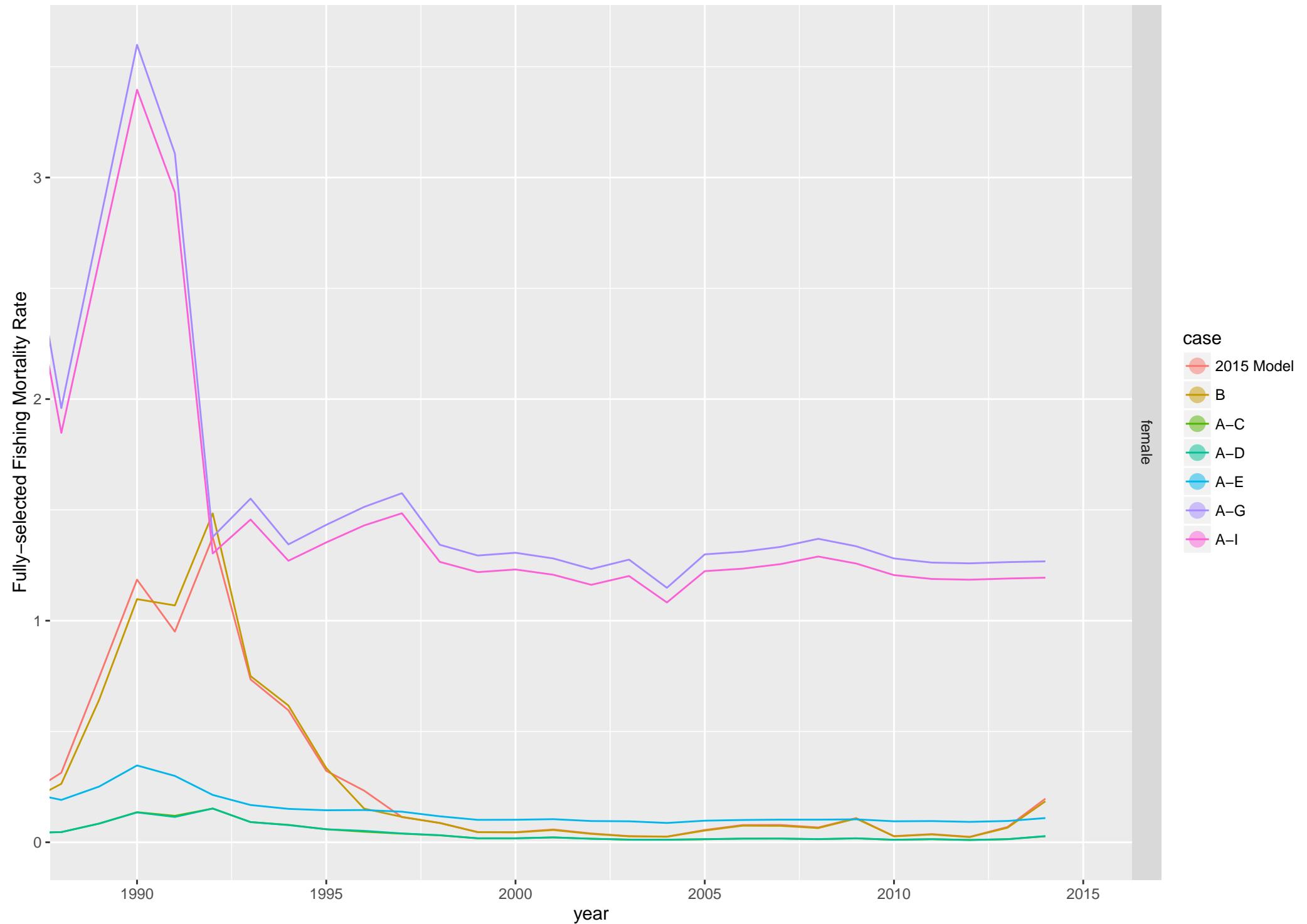
Males, directed fishery total mortality rate



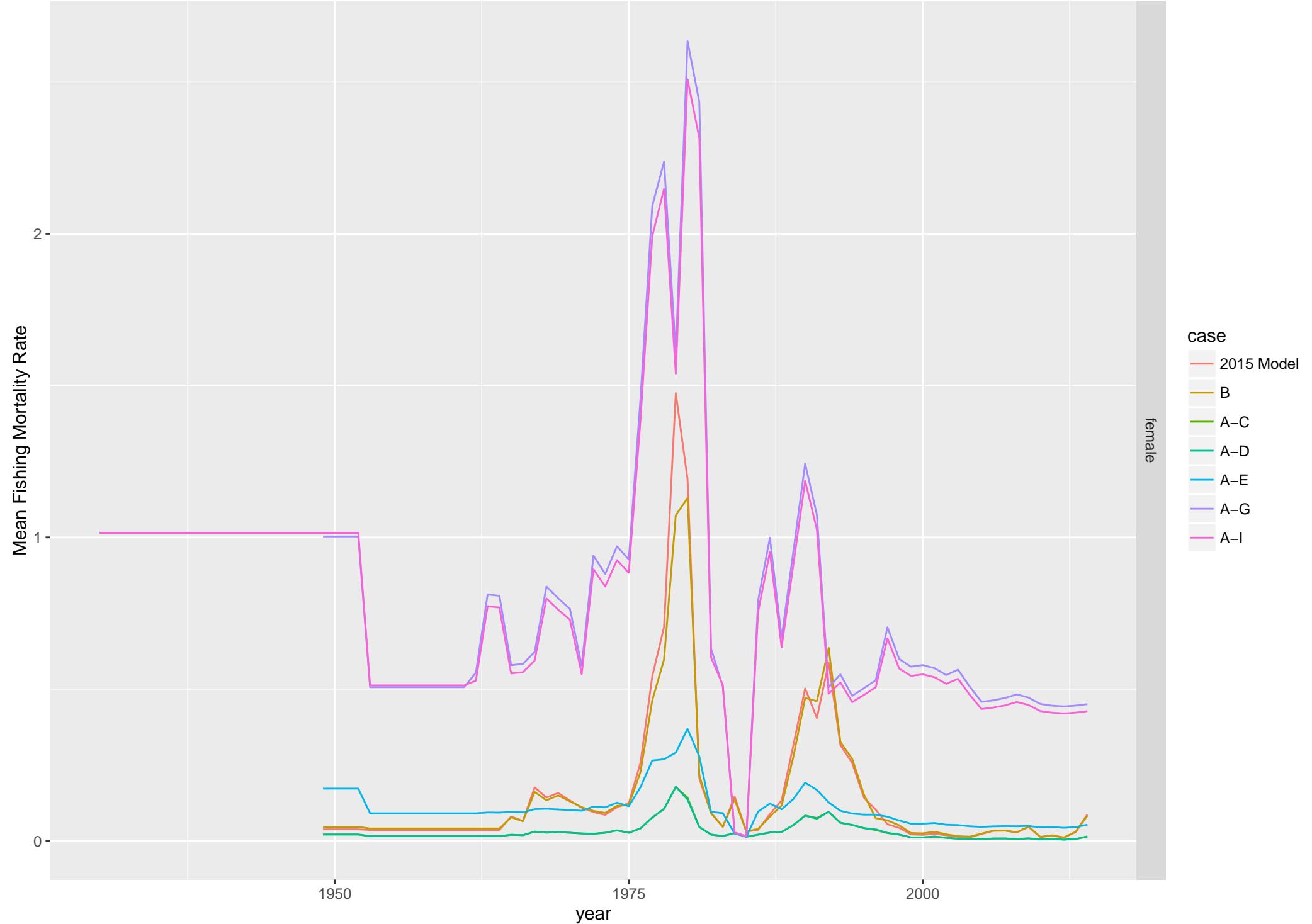
Females, directed fishery bycatch mortality rate



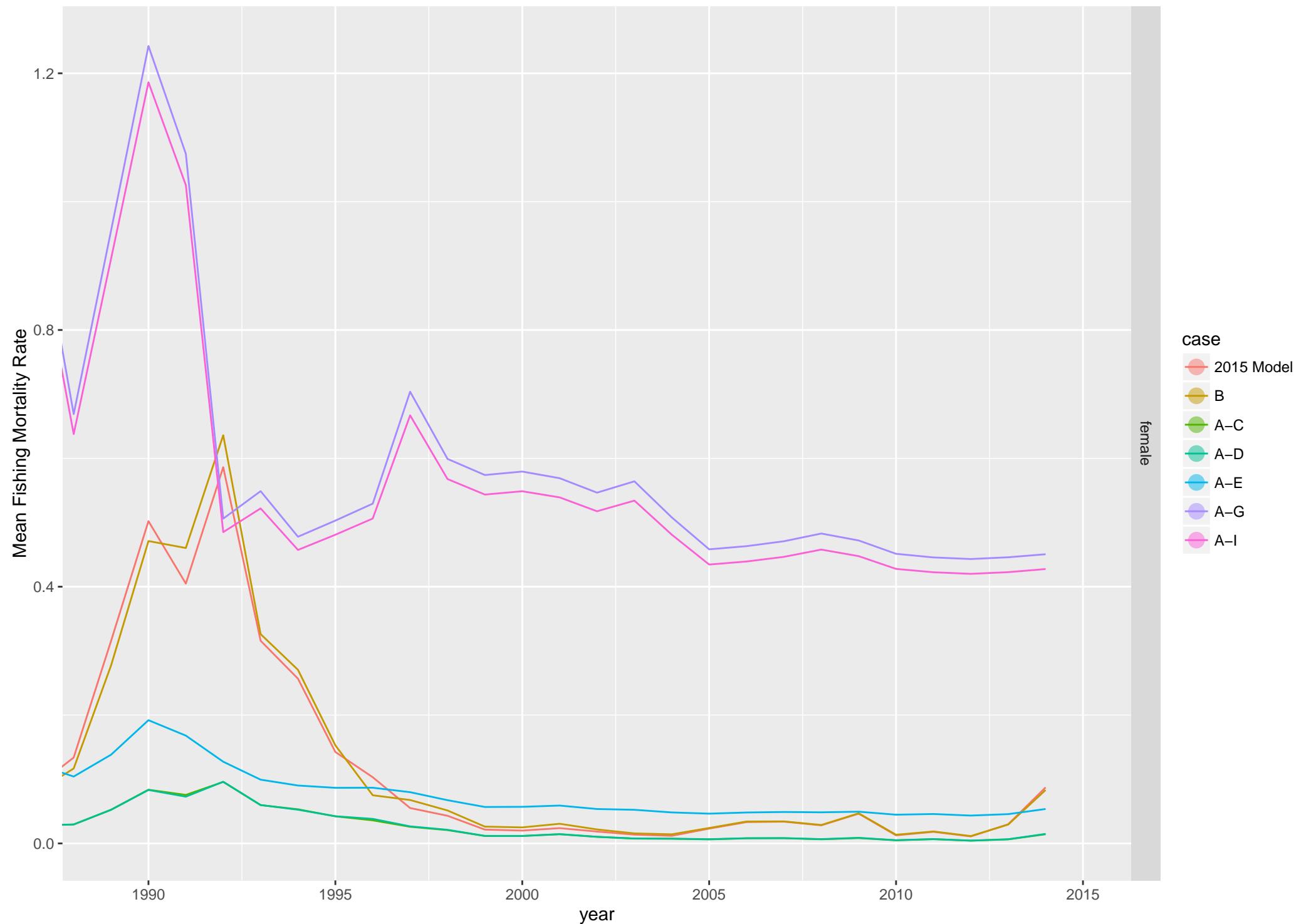
Females, directed fishery bycatch mortality rate



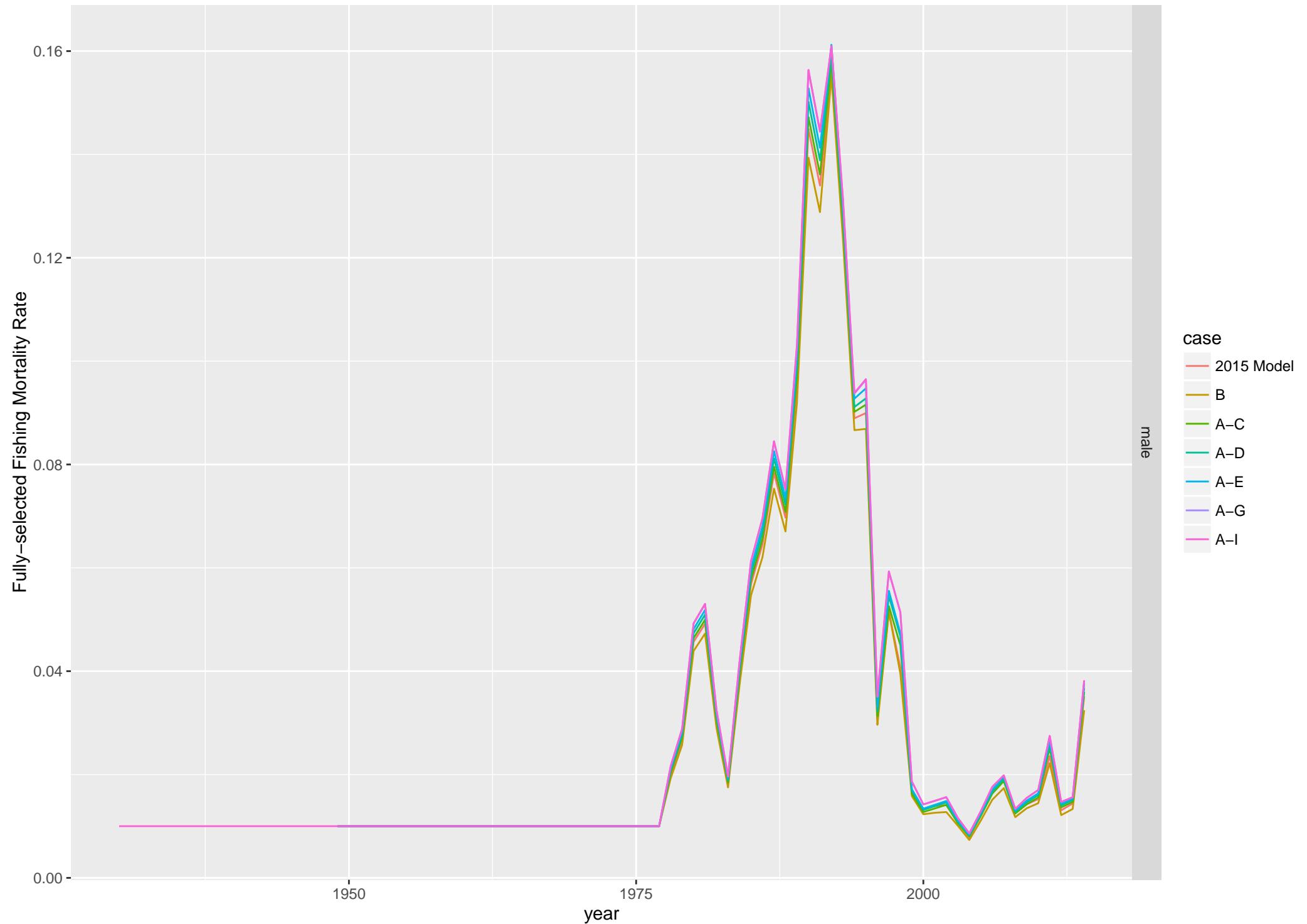
Females, directed fishery bycatch mortality rate



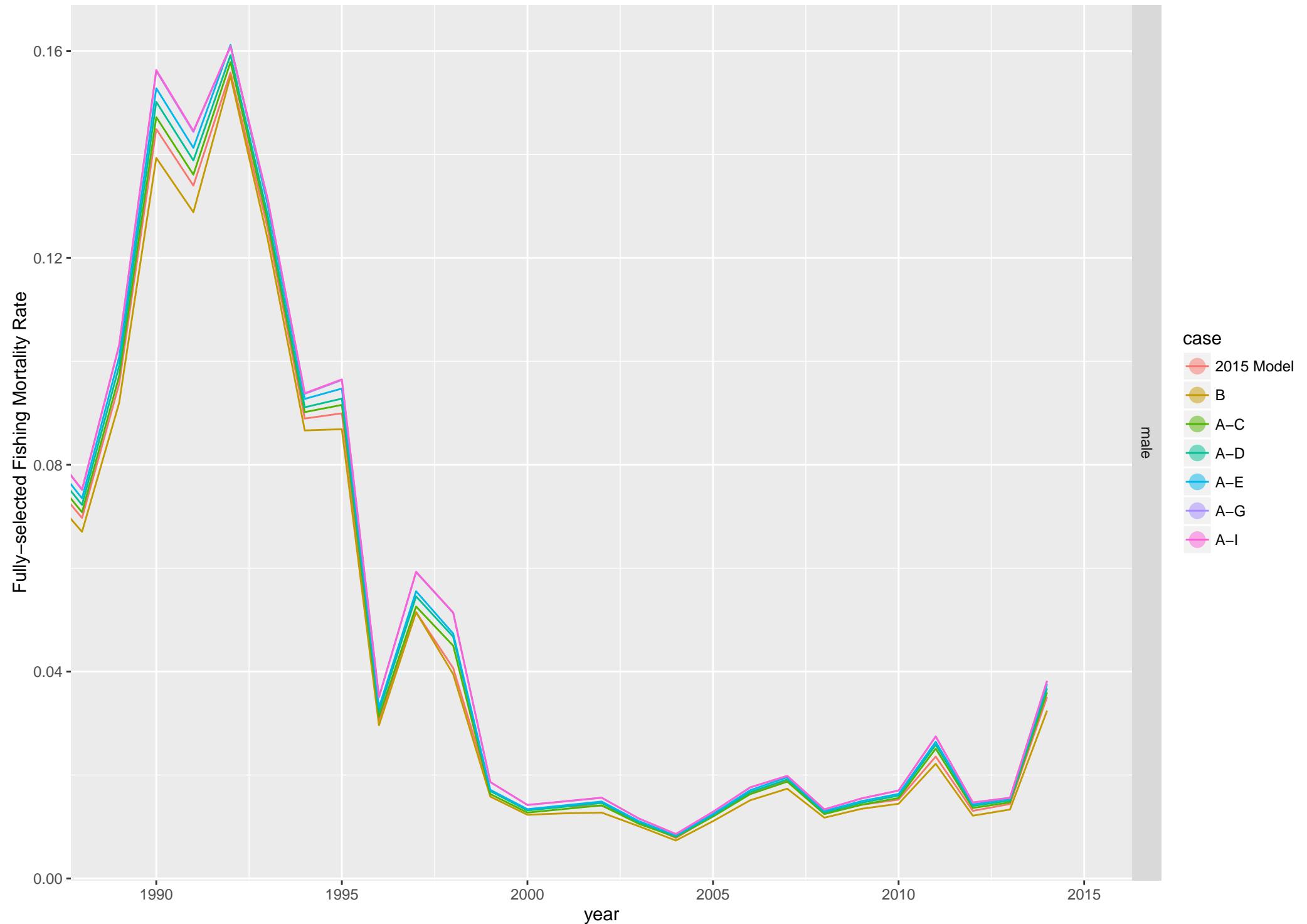
Females, directed fishery bycatch mortality rate



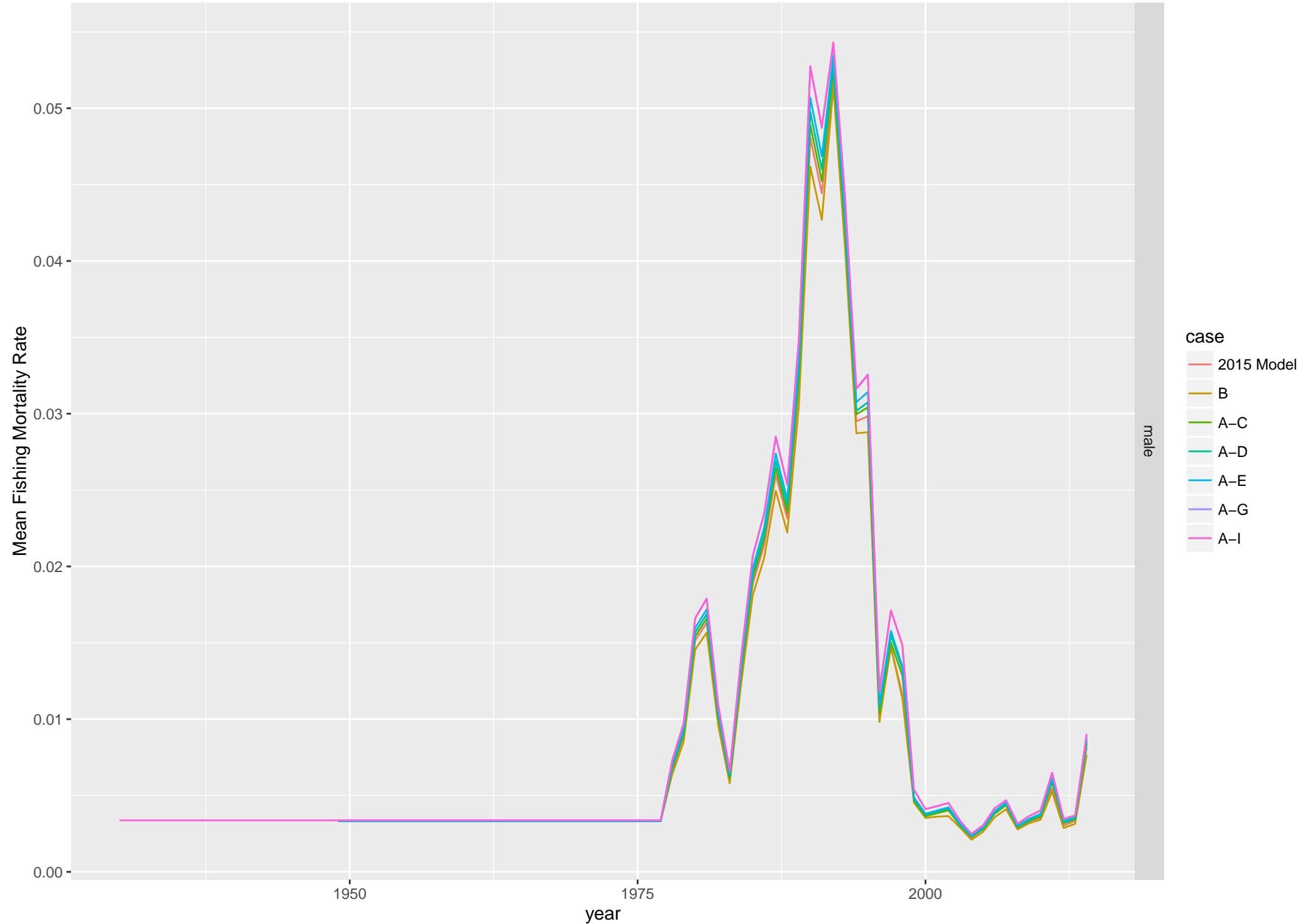
Snow crab bycatch mortality rate on males



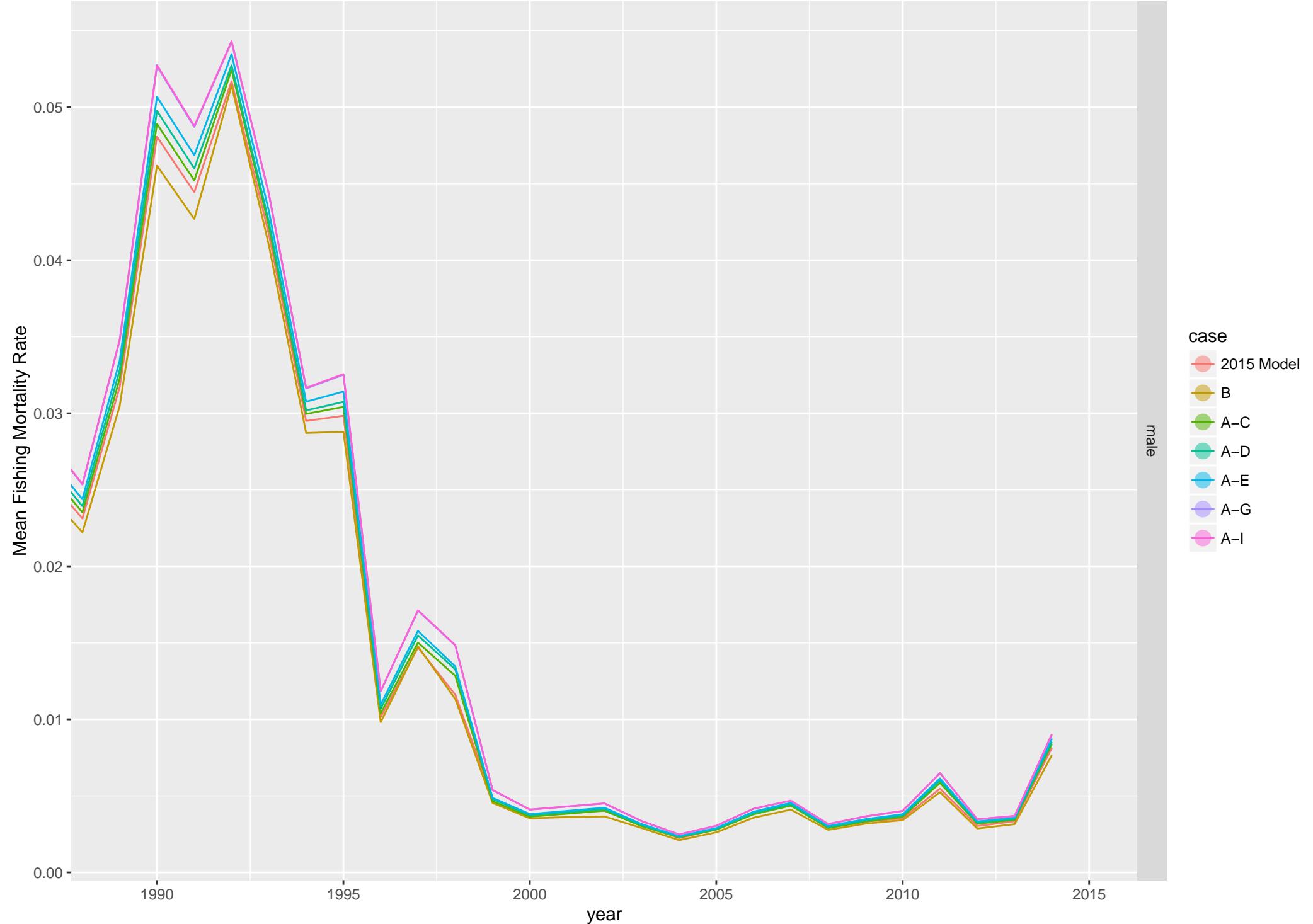
Snow crab bycatch mortality rate on males



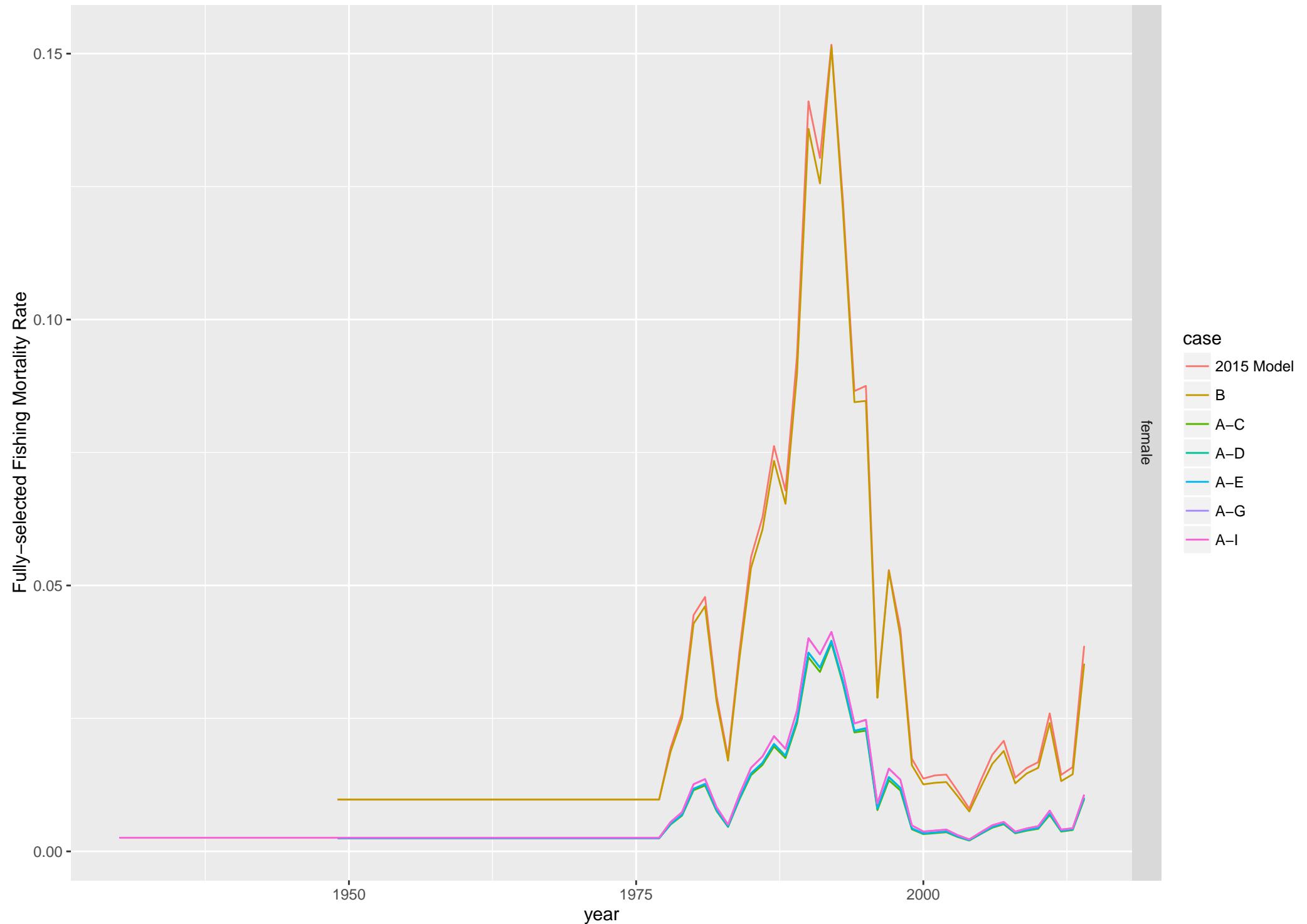
Snow crab bycatch mortality rate on males



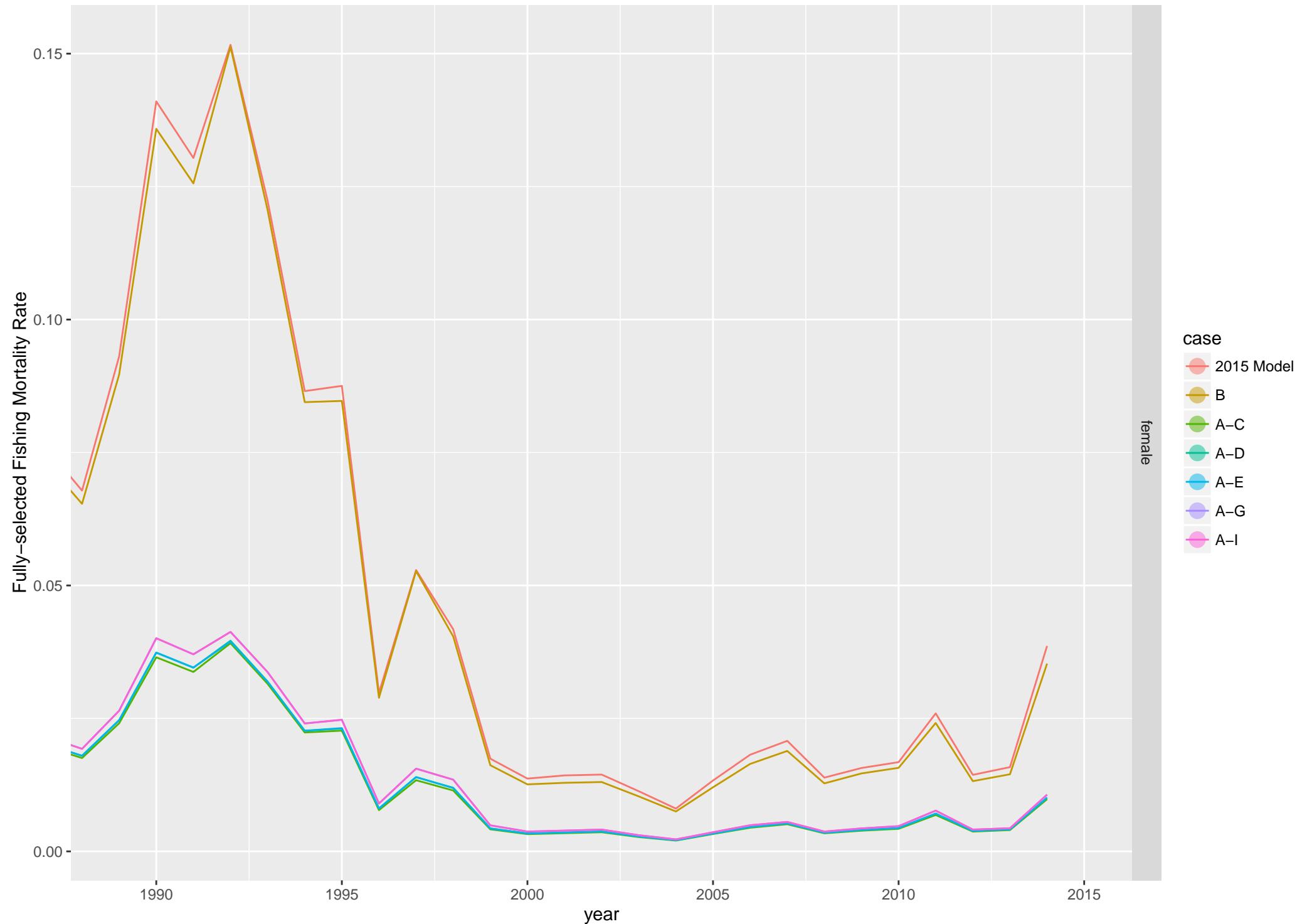
Snow crab bycatch mortality rate on males



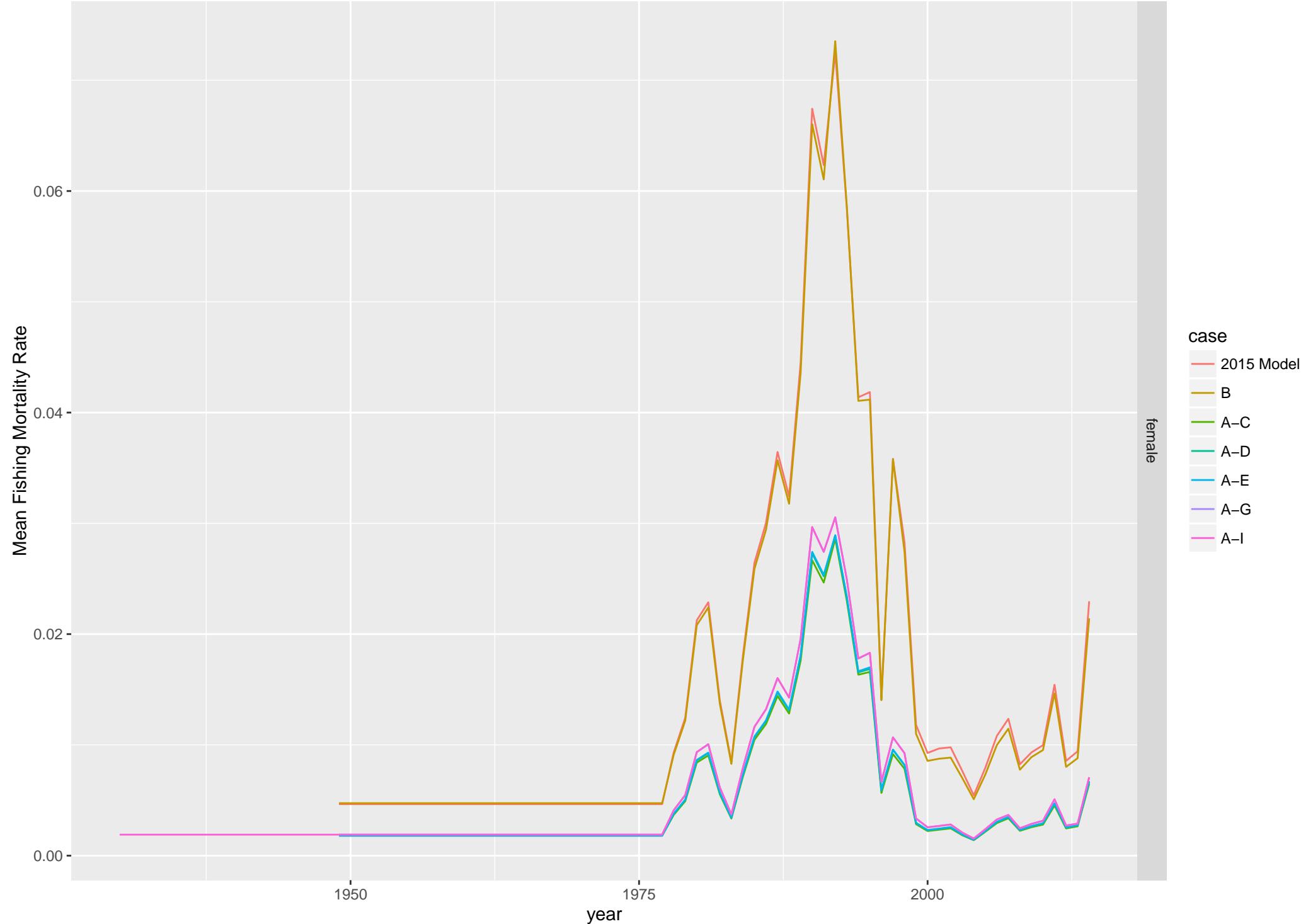
Snow crab bycatch mortality rate on females



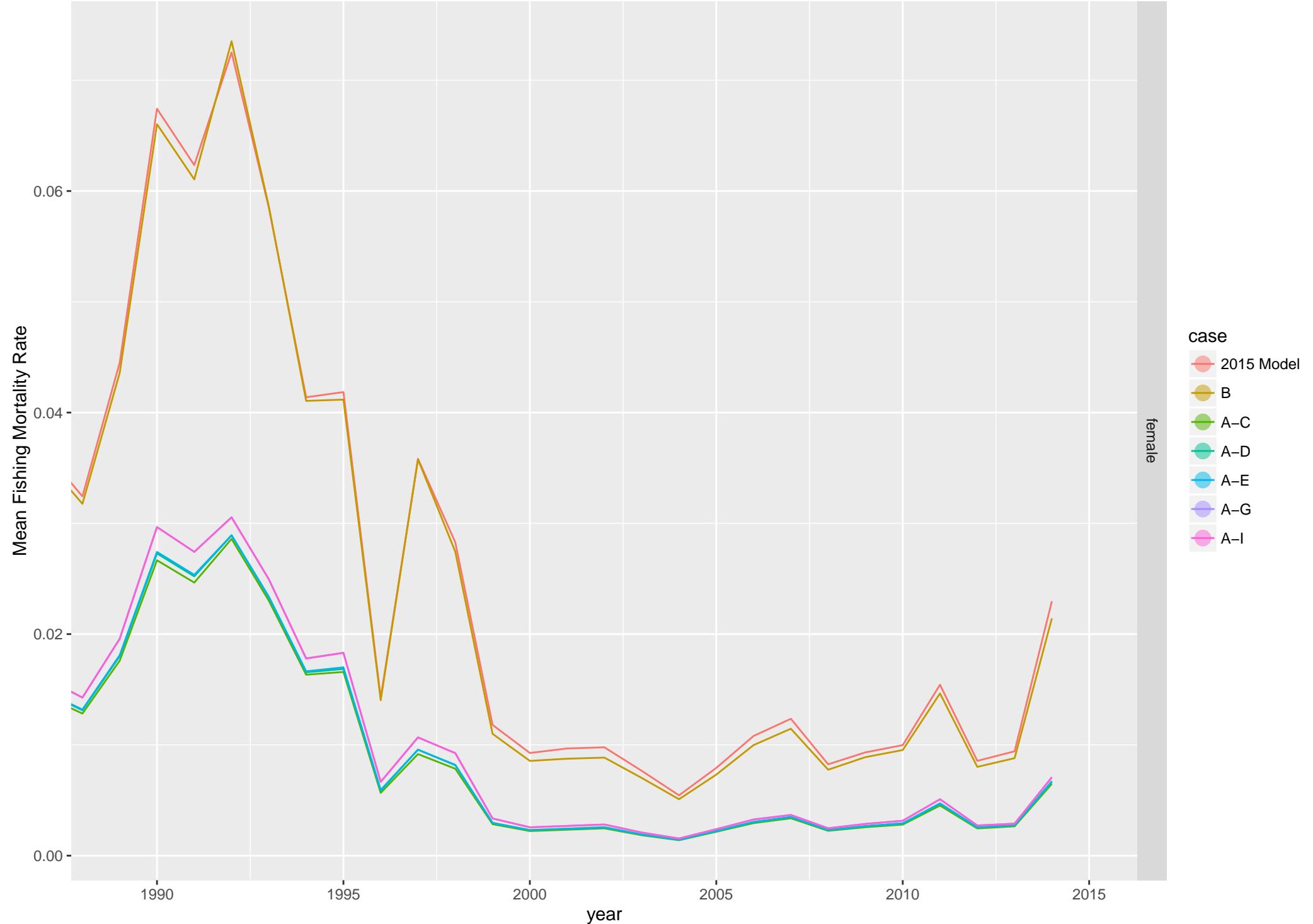
Snow crab bycatch mortality rate on females



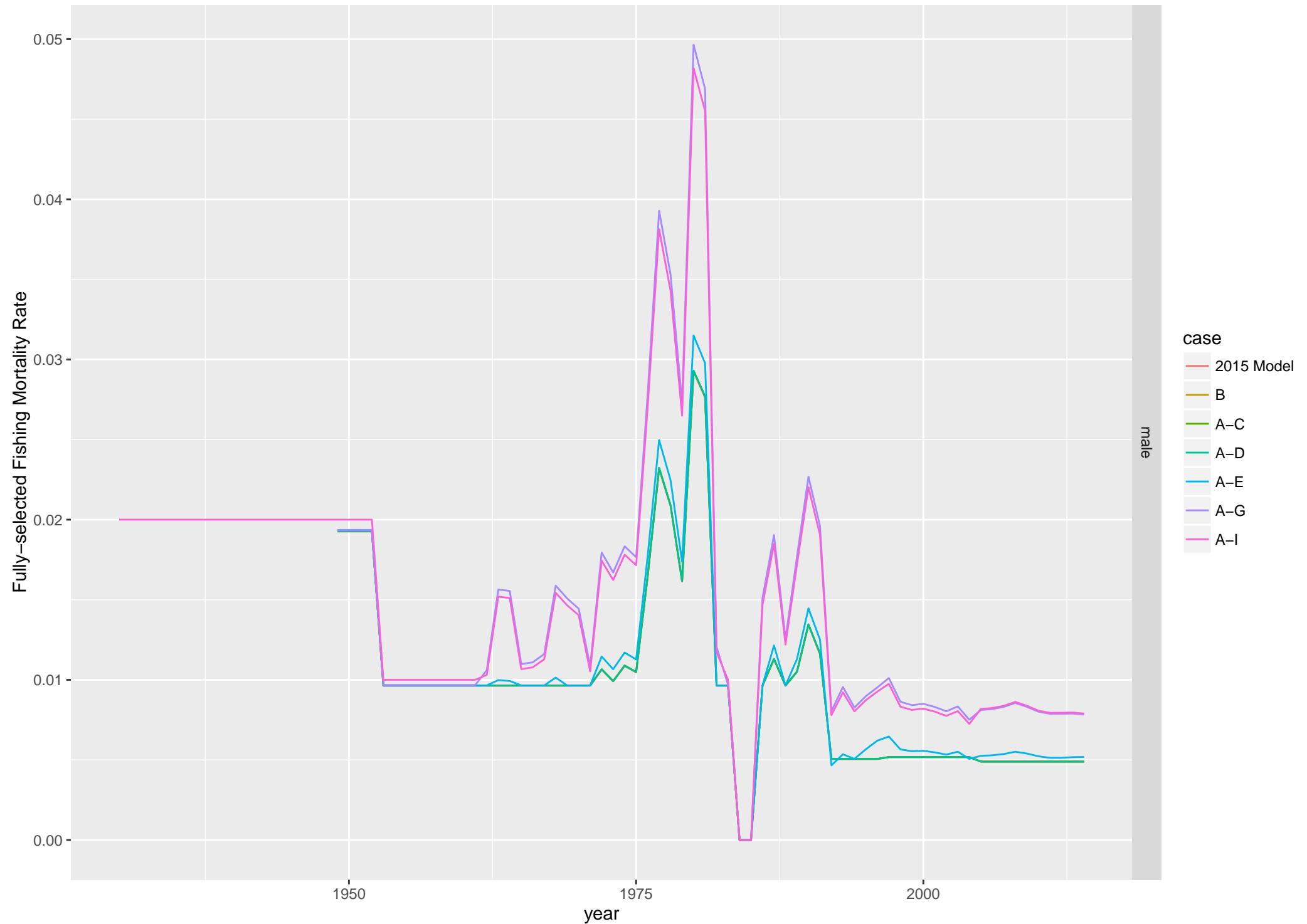
Snow crab bycatch mortality rate on females



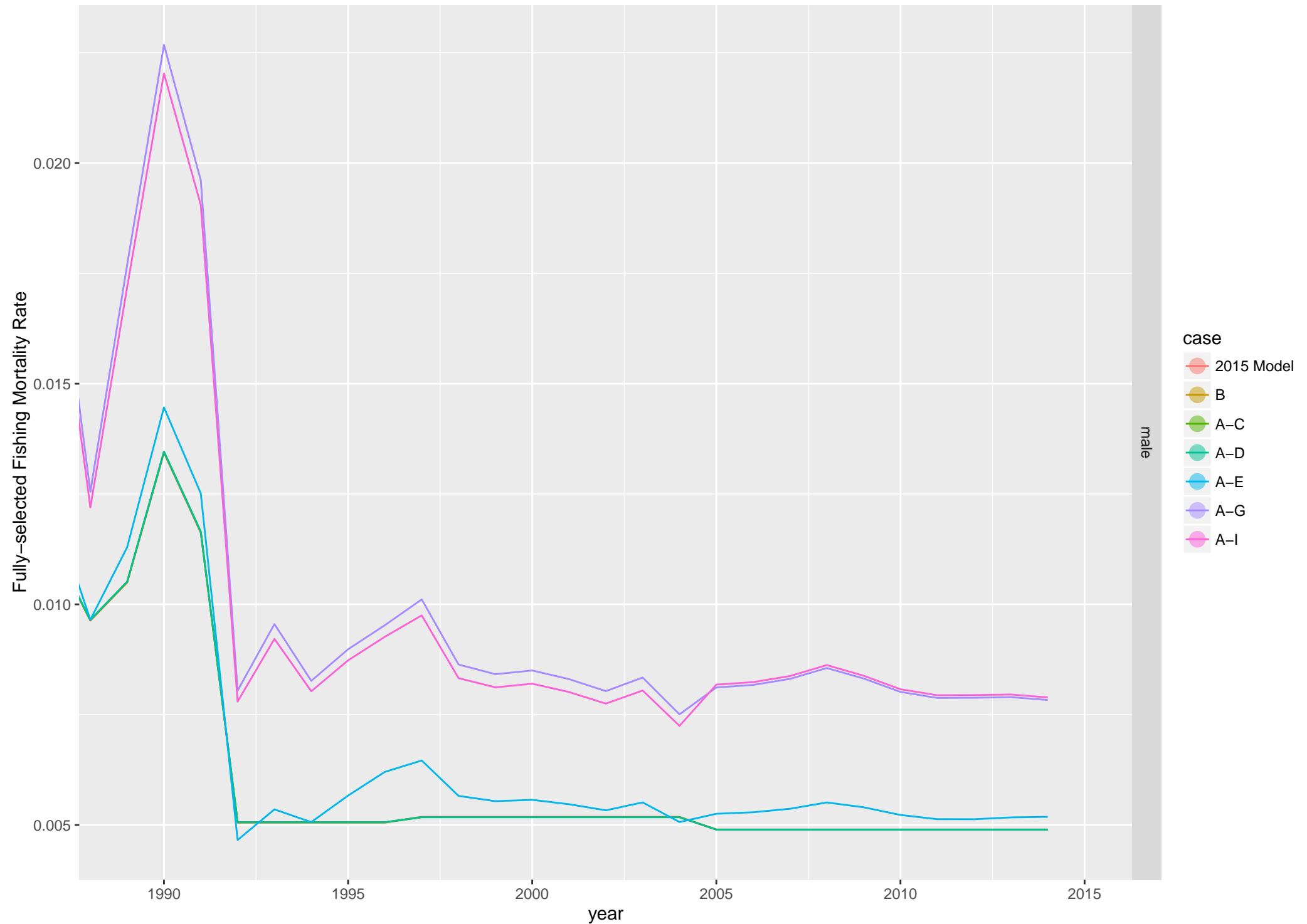
Snow crab bycatch mortality rate on females



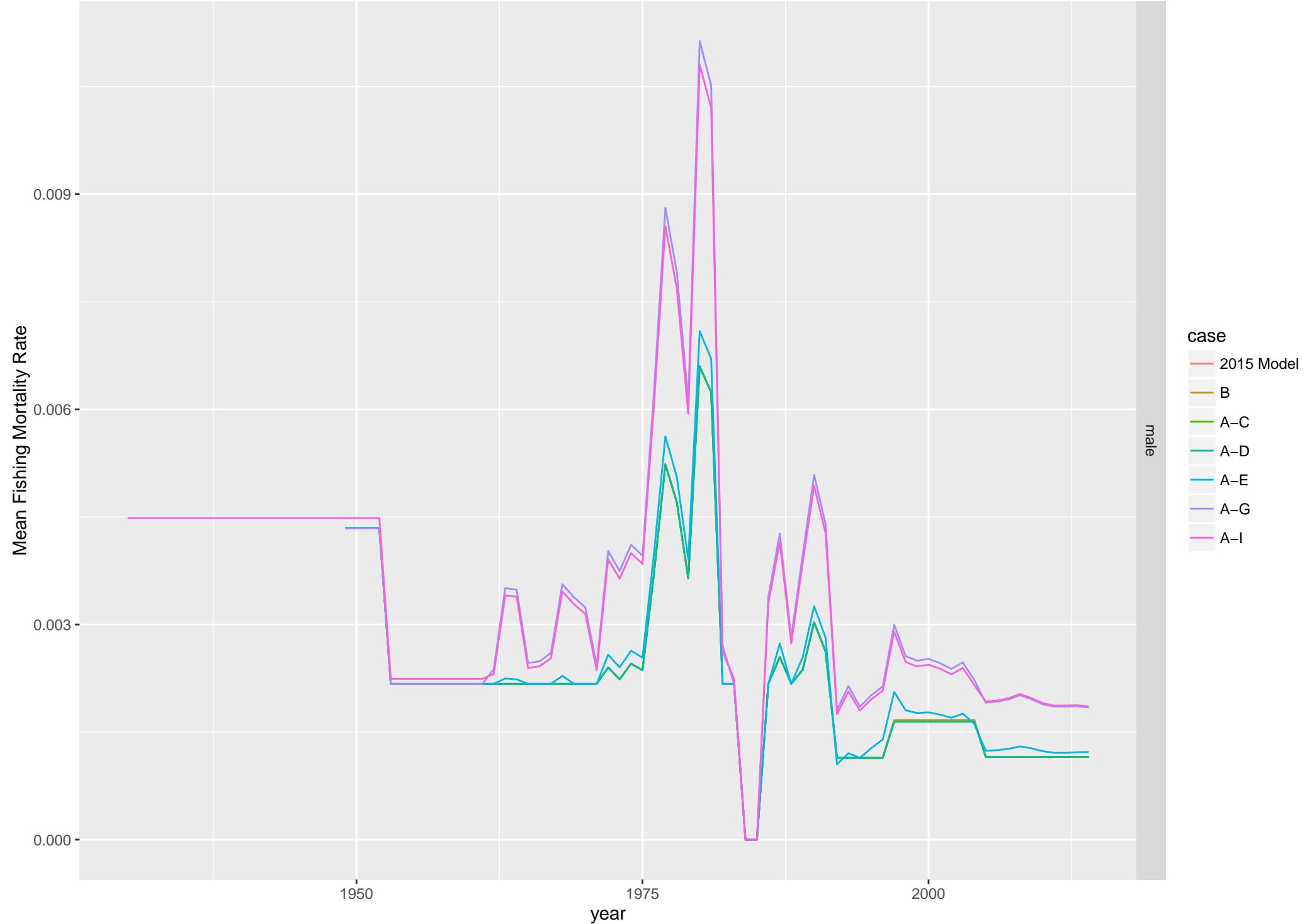
BBRKC bycatch mortality rate on males



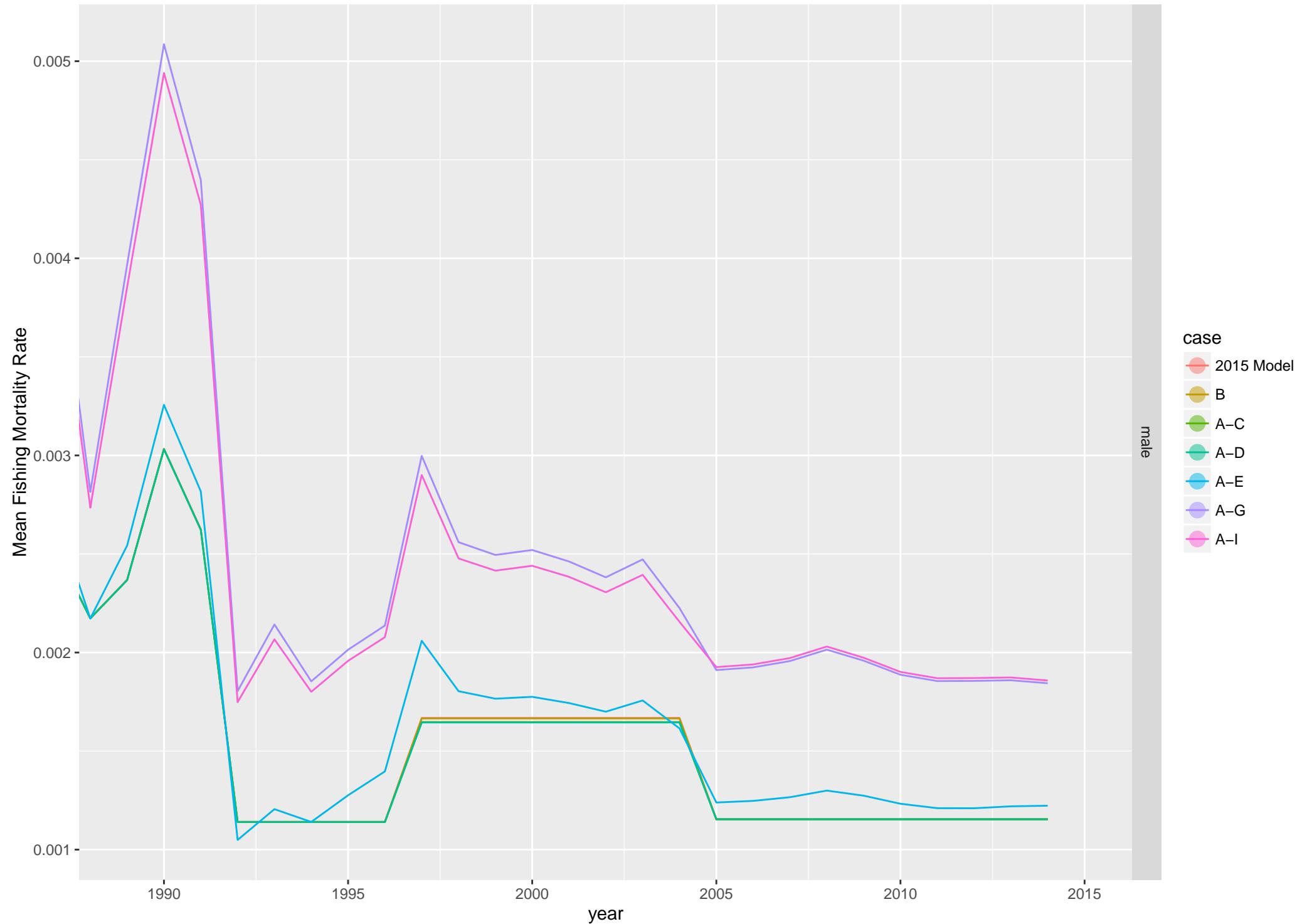
BBRKC bycatch mortality rate on males



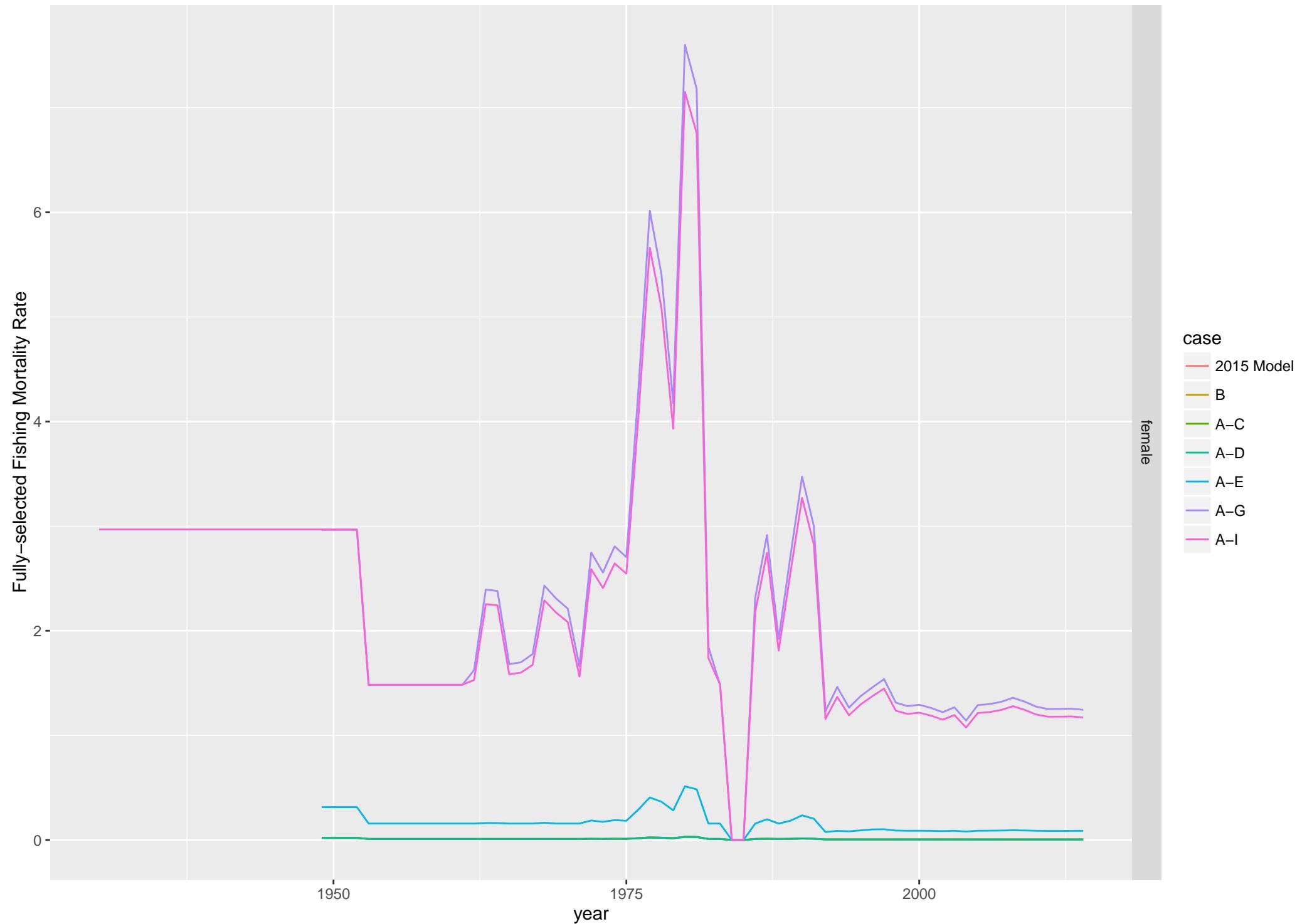
BBRKC bycatch mortality rate on males



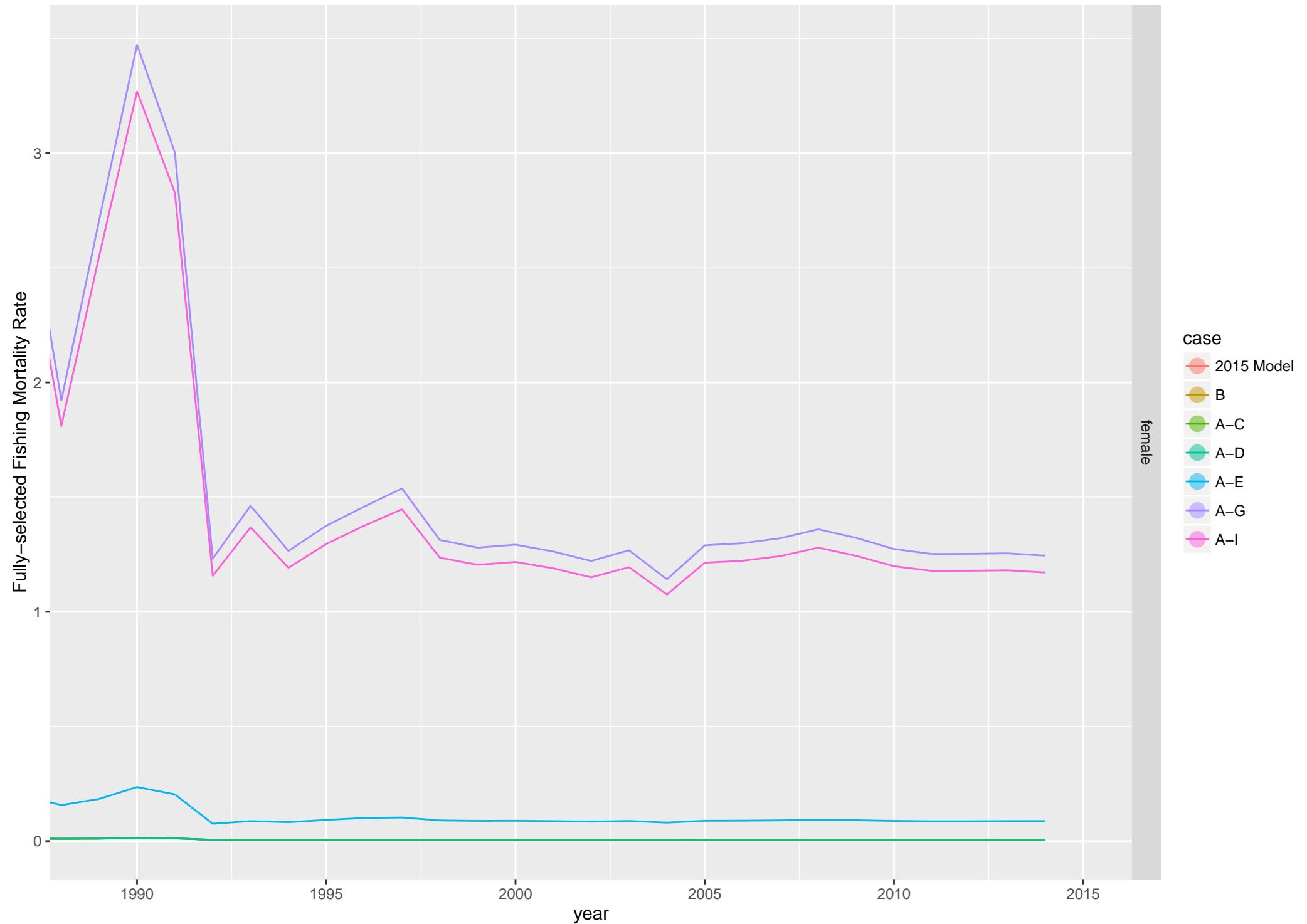
BBRKC bycatch mortality rate on males



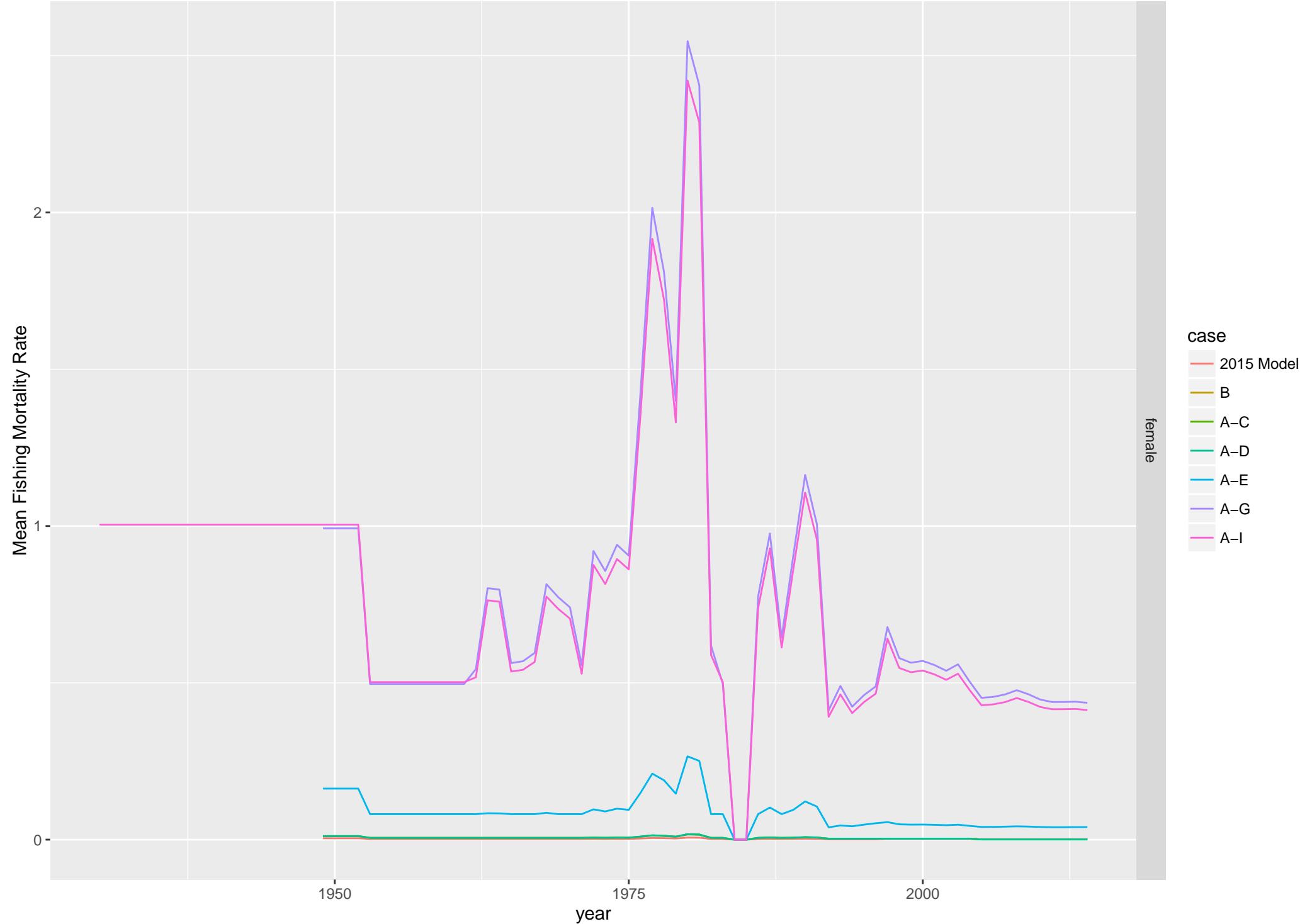
BBRKC bycatch mortality rate on females



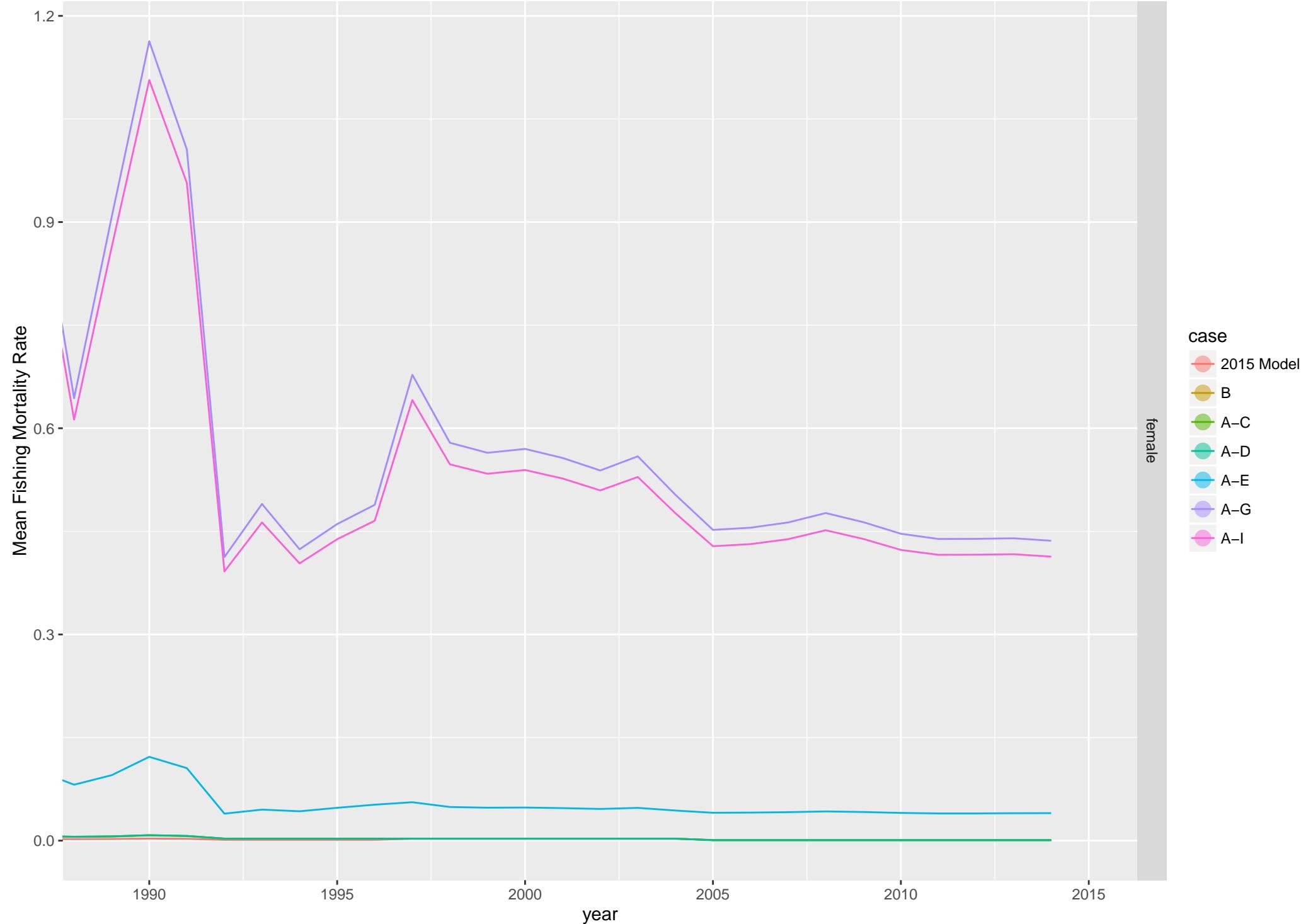
BBRKC bycatch mortality rate on females



BBRKC bycatch mortality rate on females

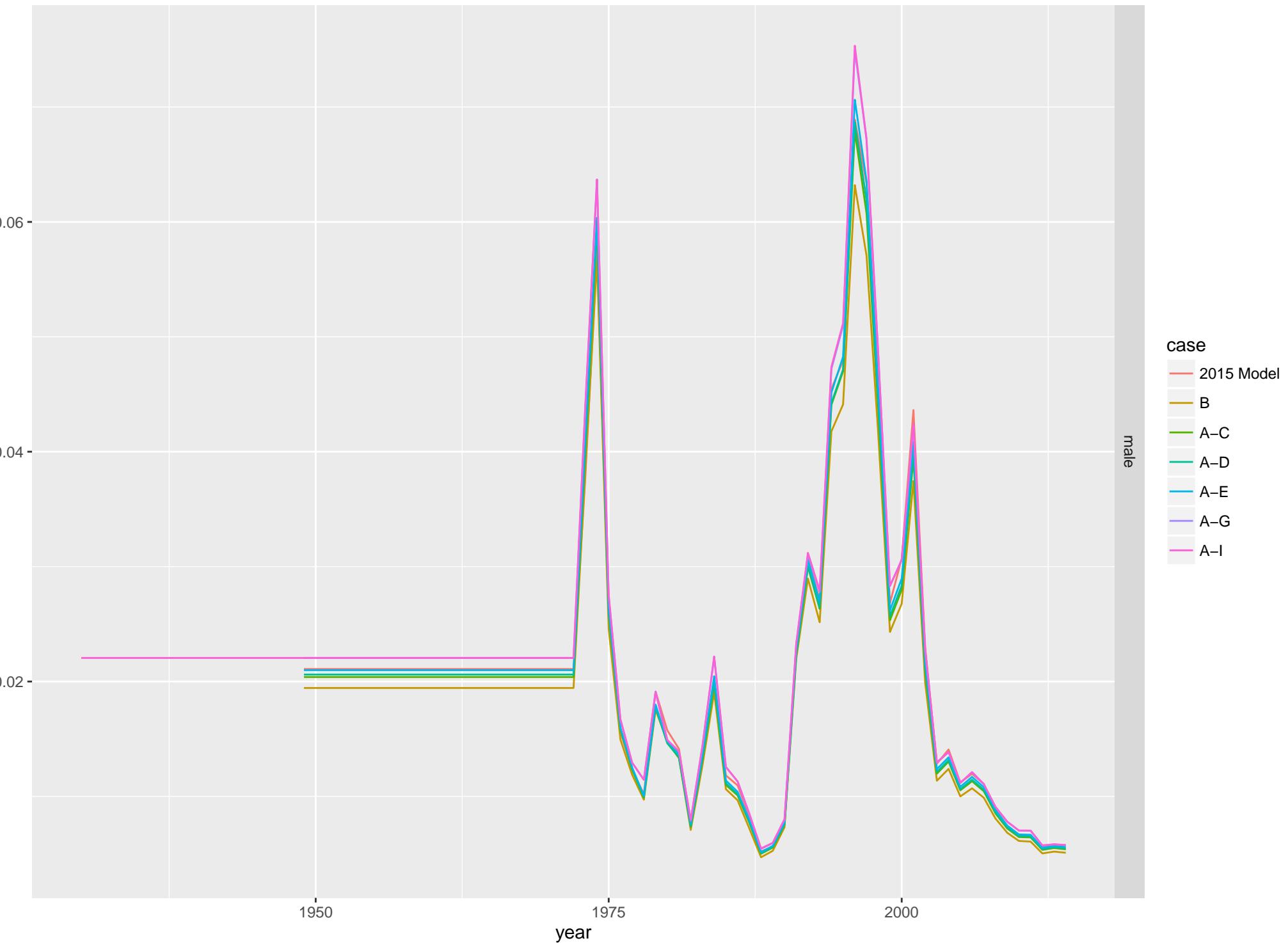


BBRKC bycatch mortality rate on females

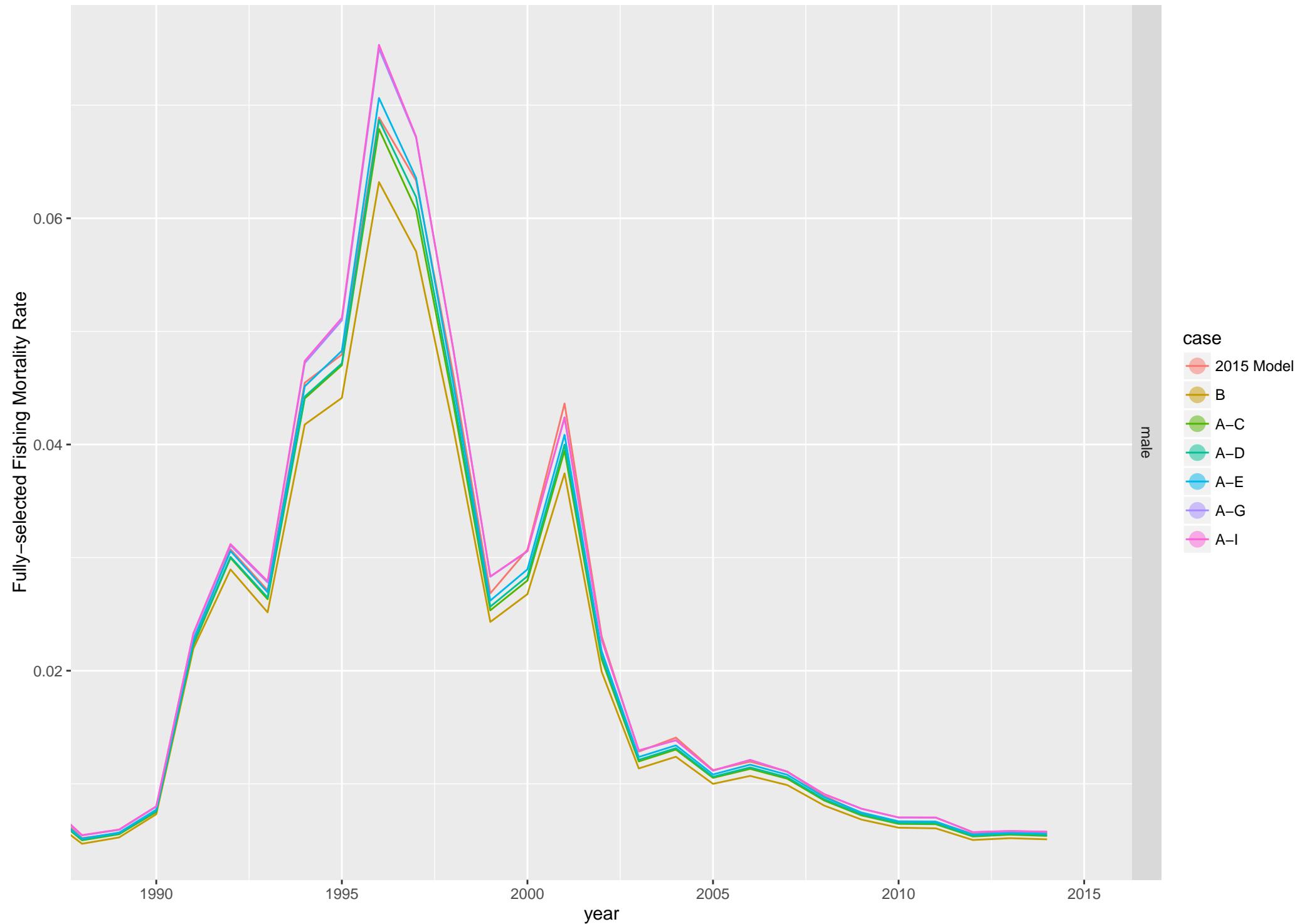


Groundfish bycatch fishing mortality

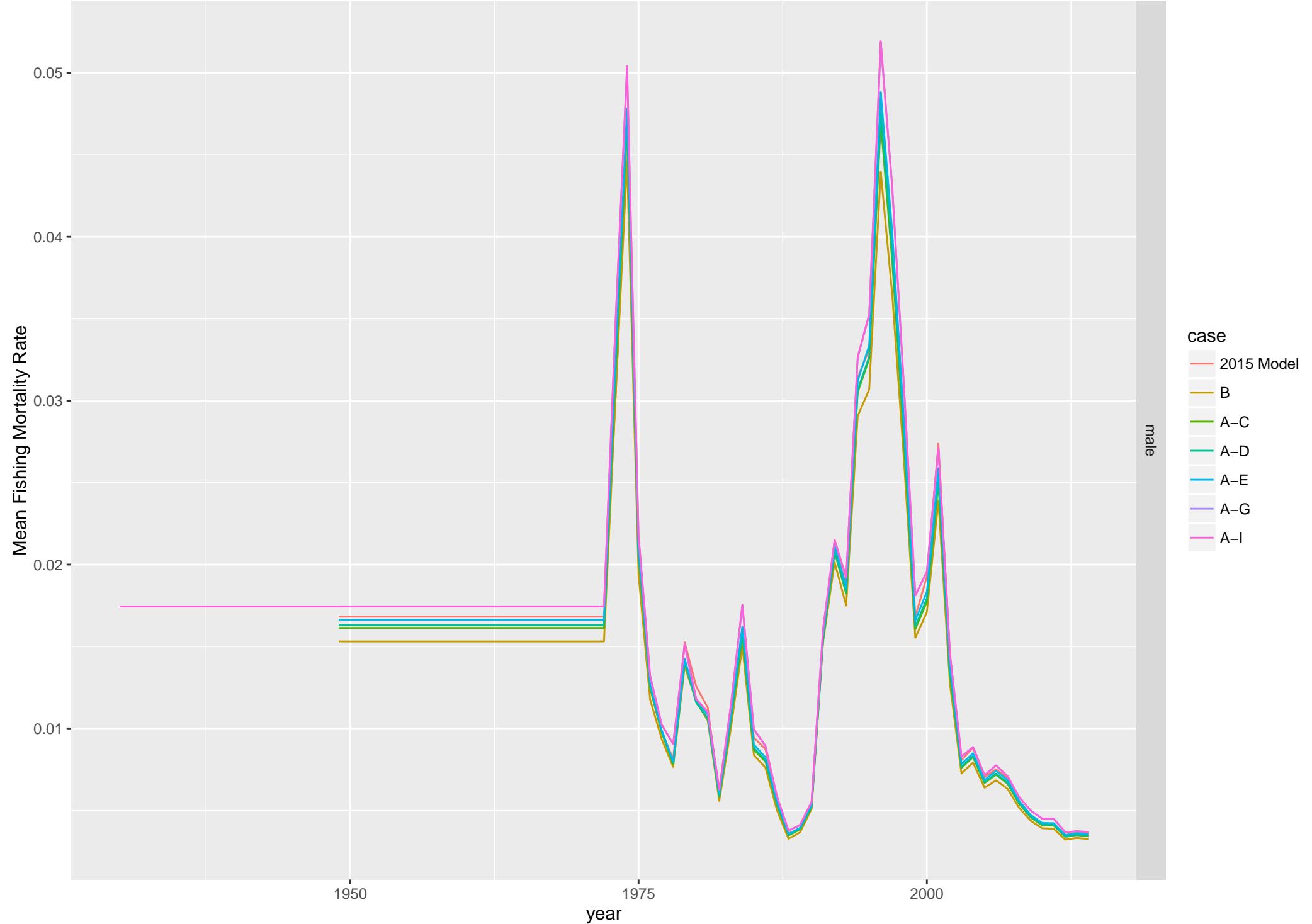
Fully-selected Fishing Mortality Rate



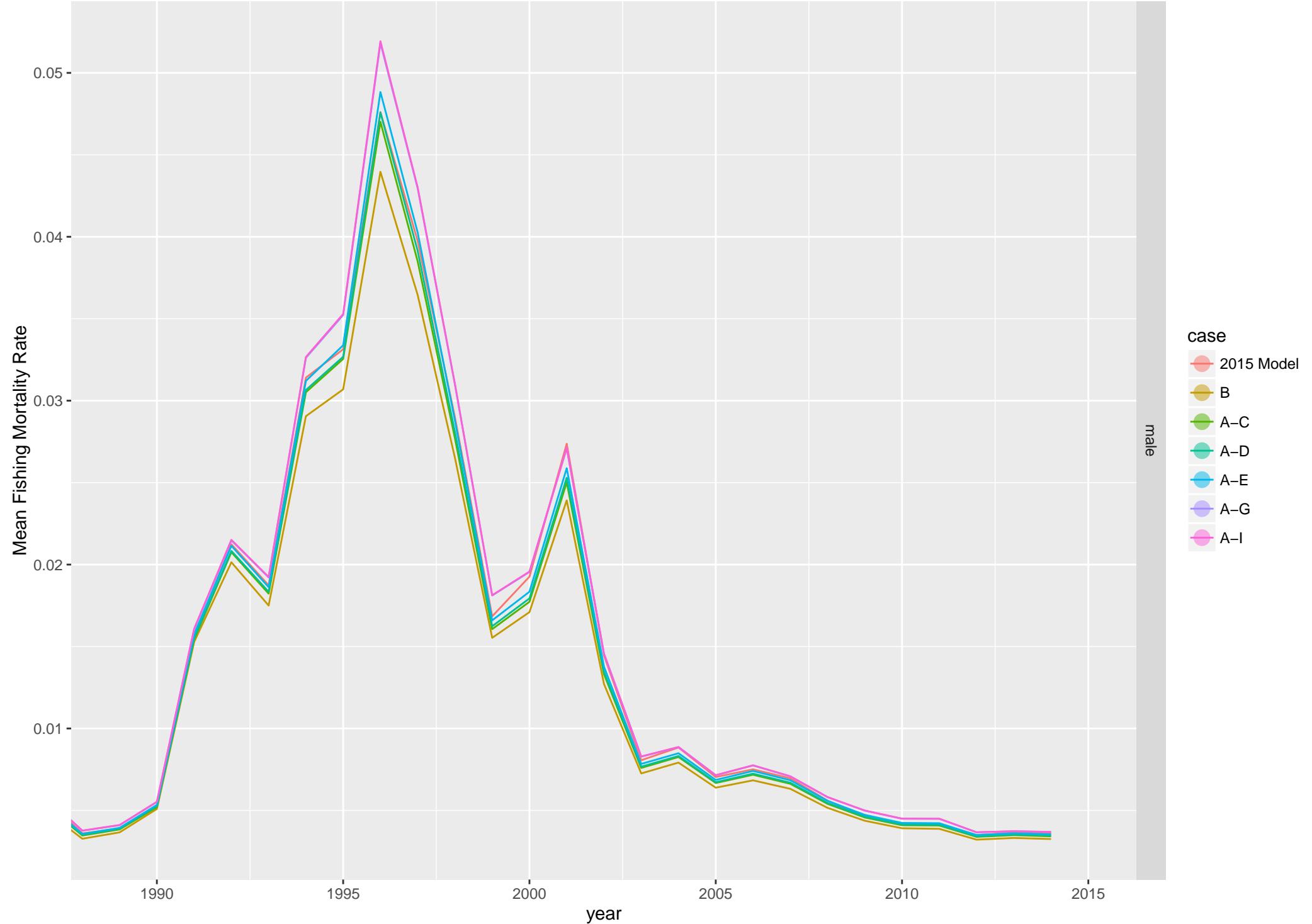
Groundfish bycatch fishing mortality

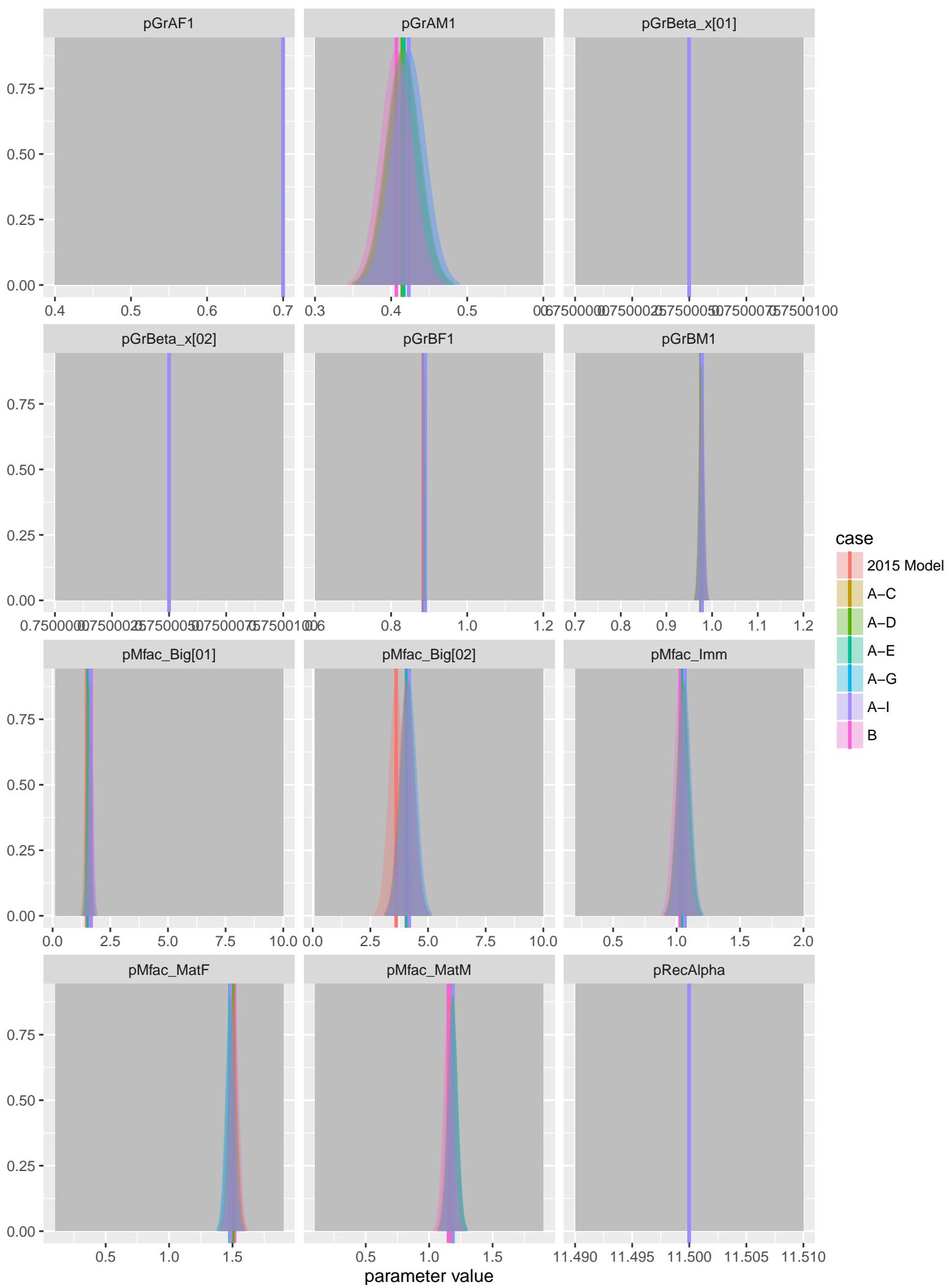


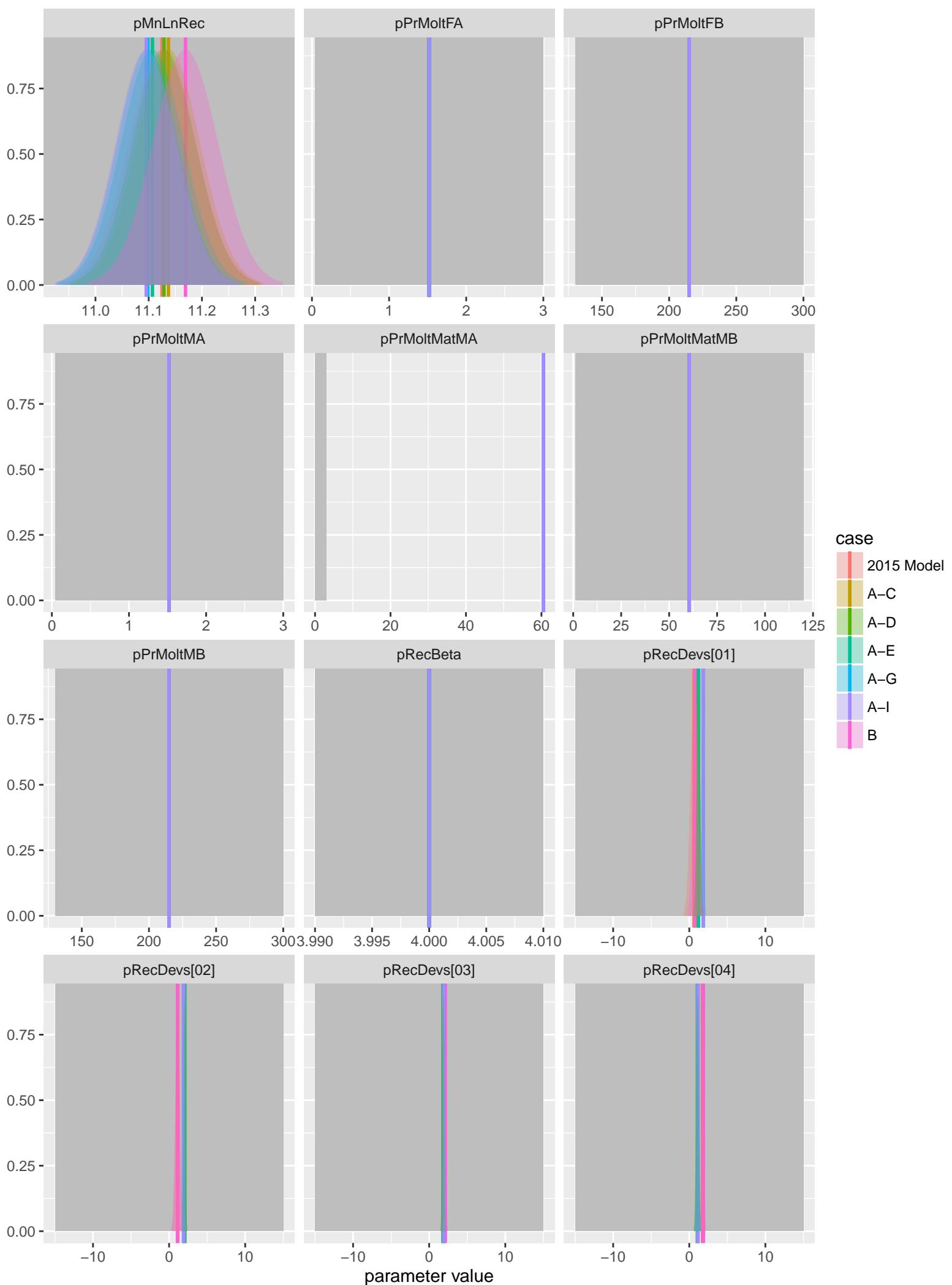
Groundfish bycatch fishing mortality

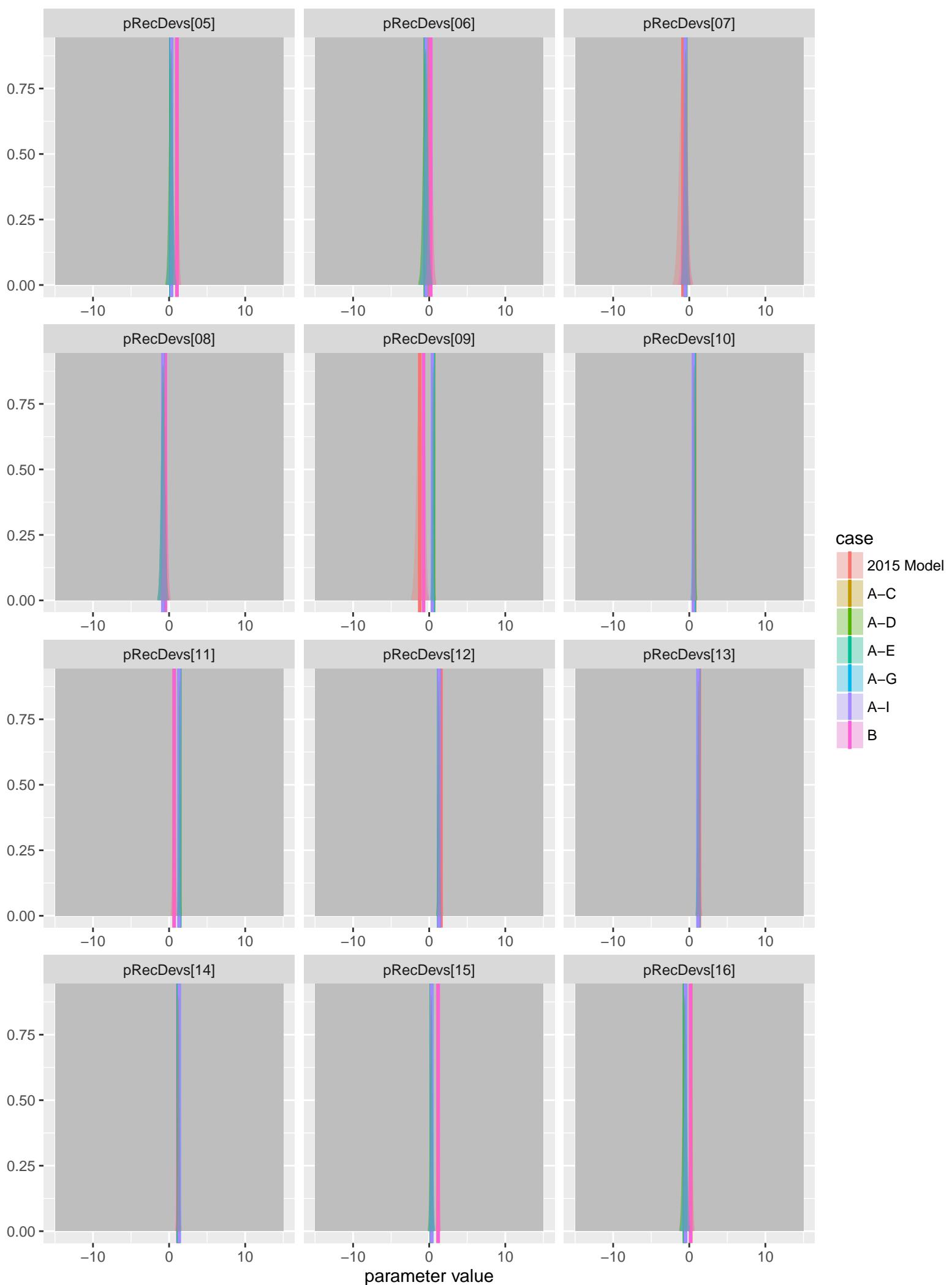


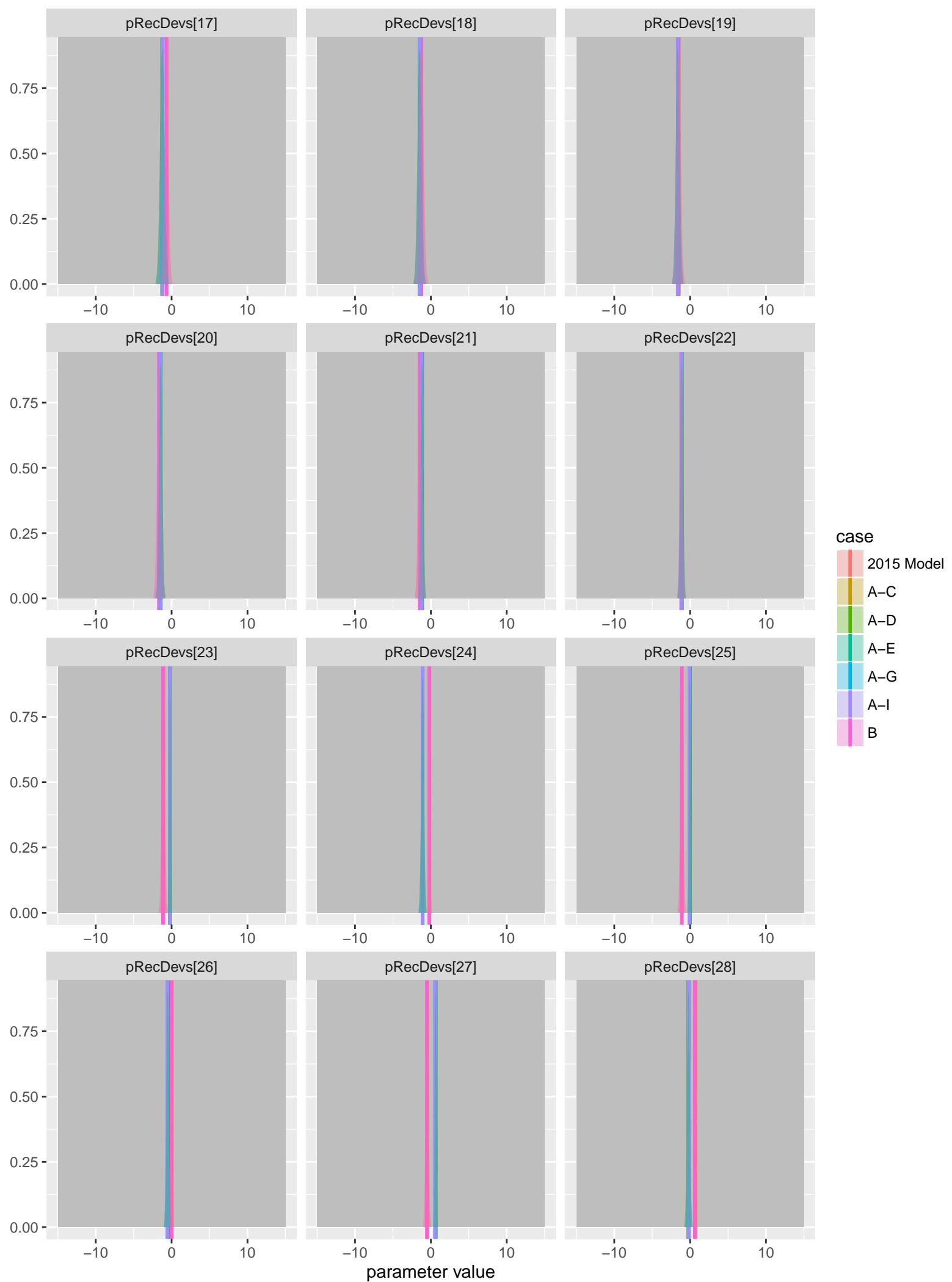
Groundfish bycatch fishing mortality

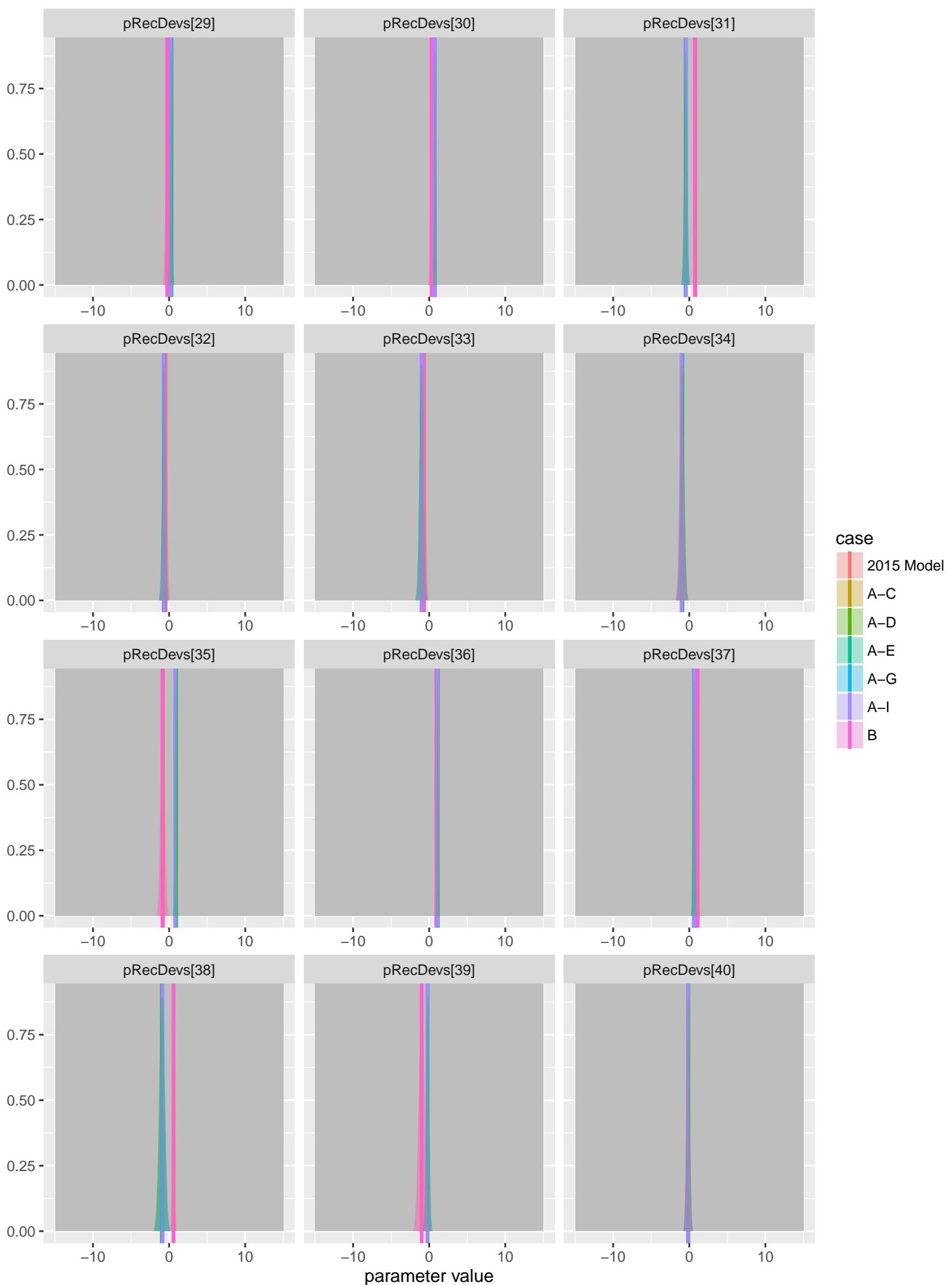


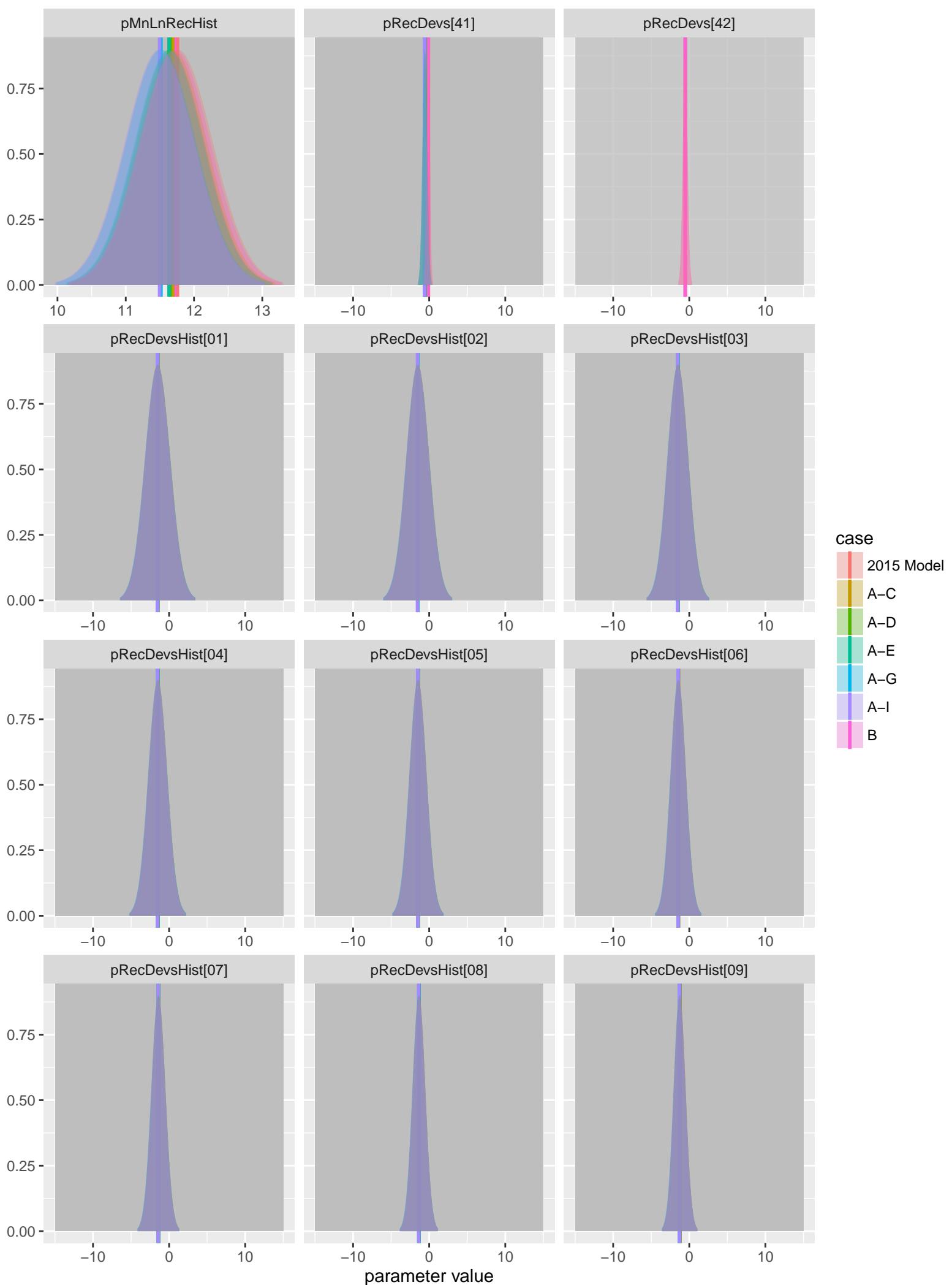


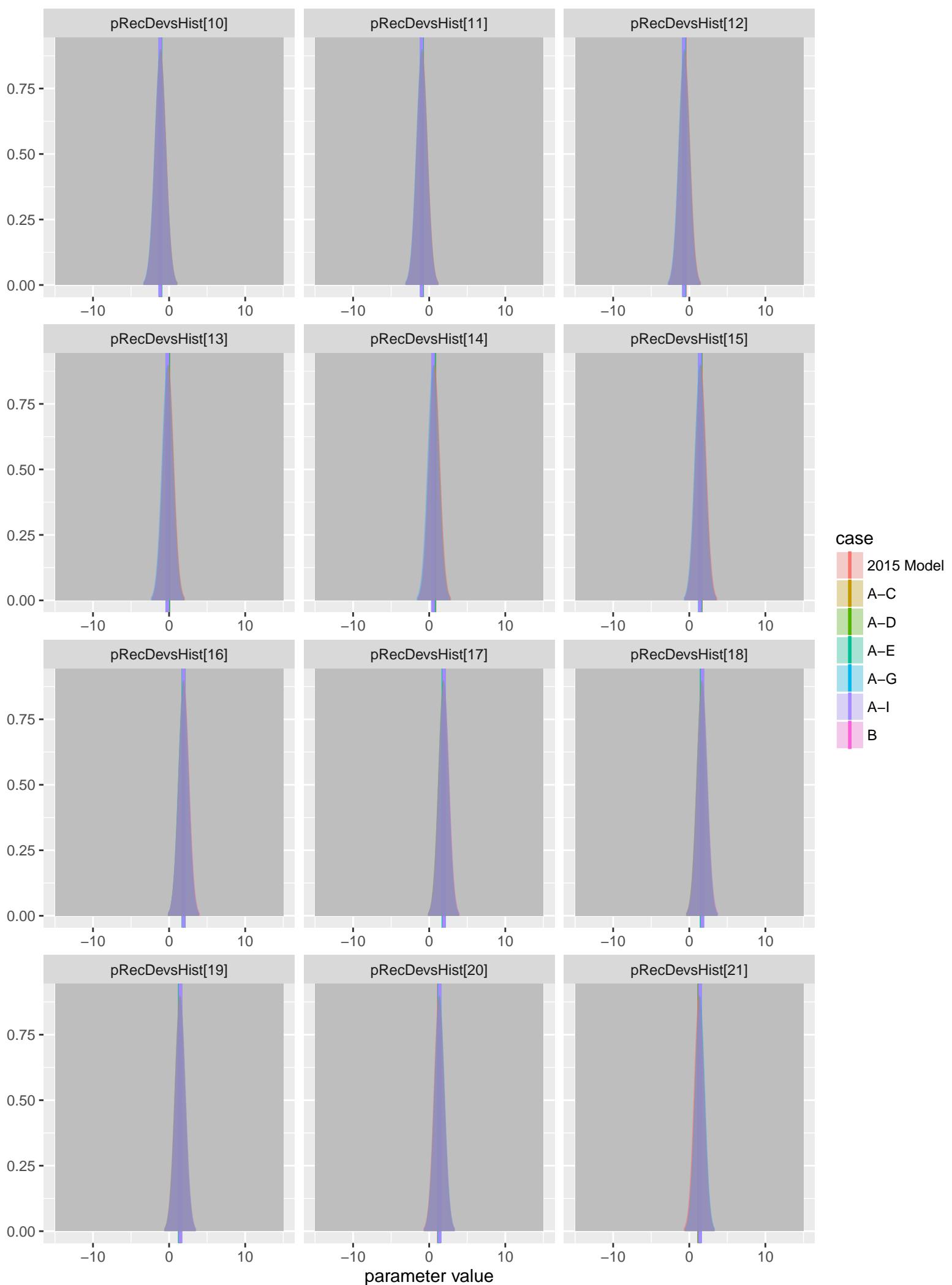


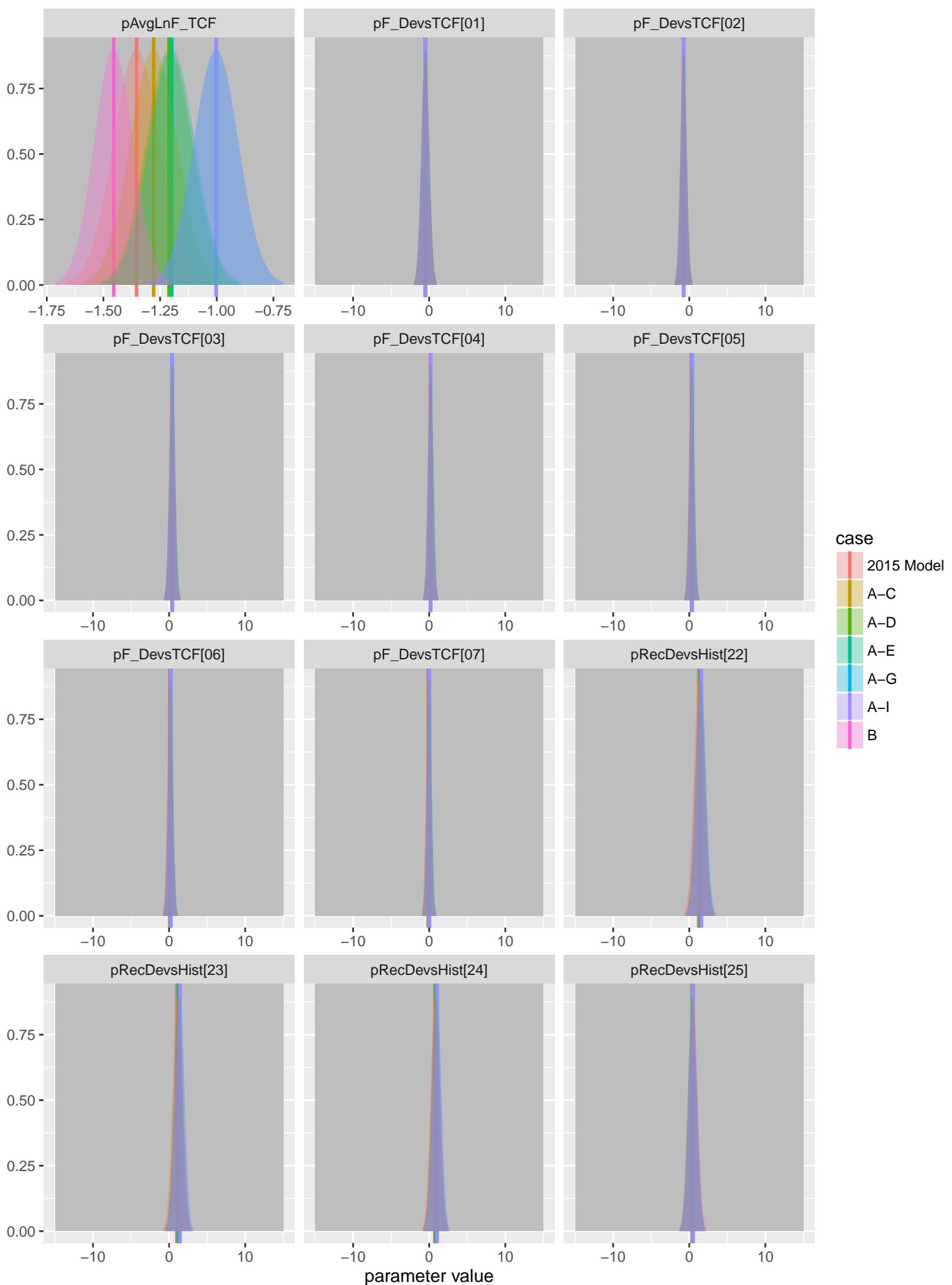


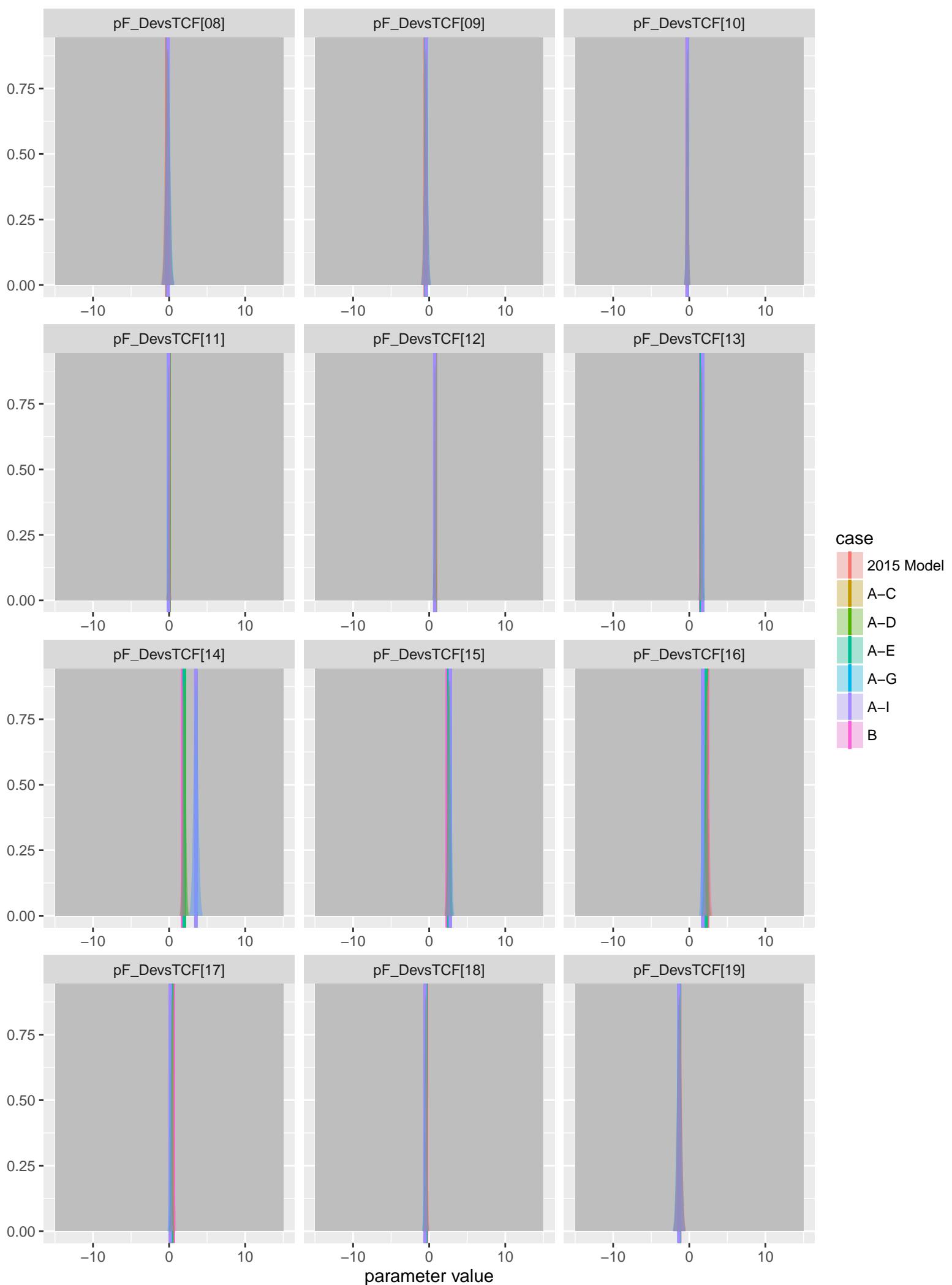


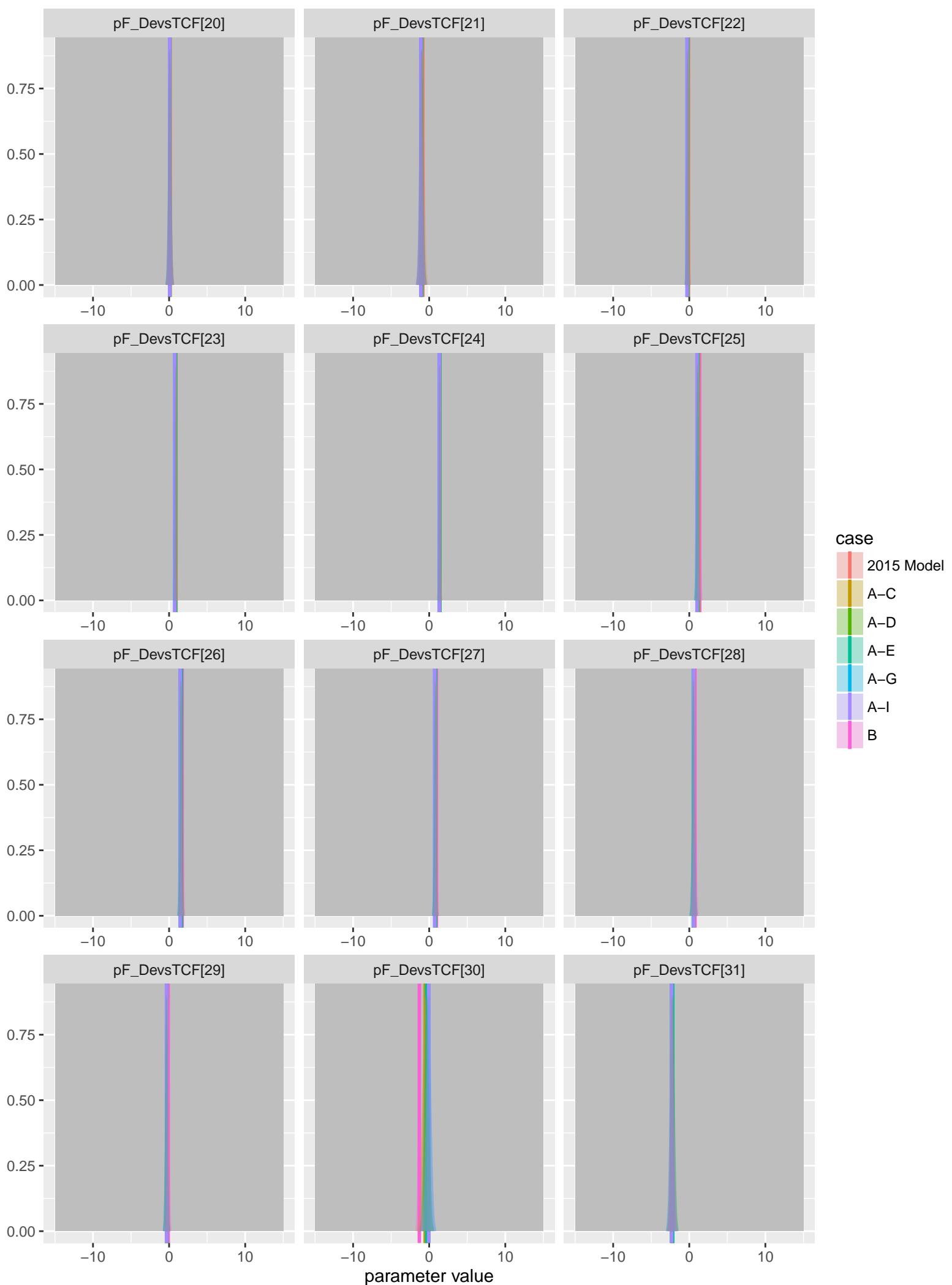


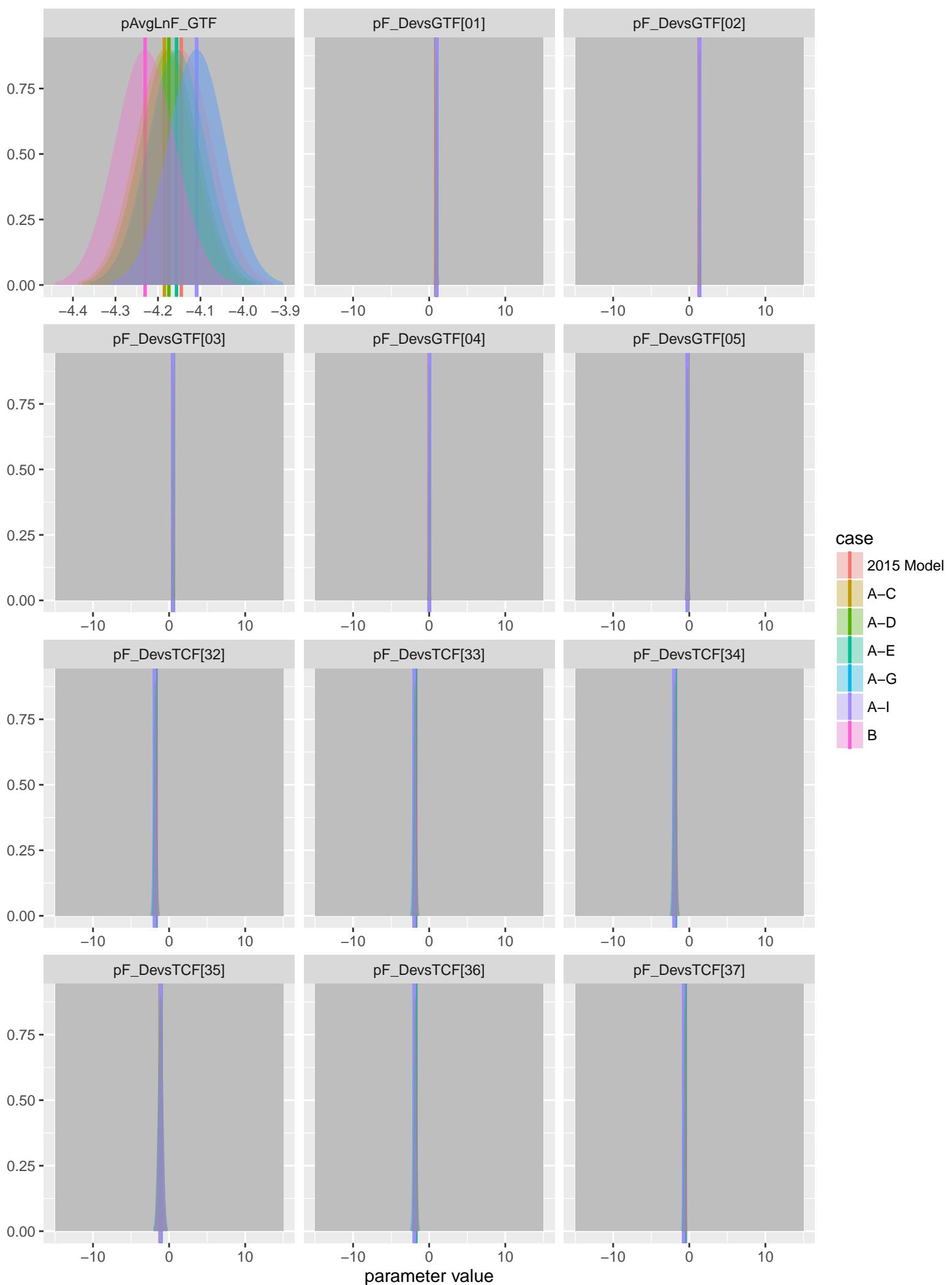


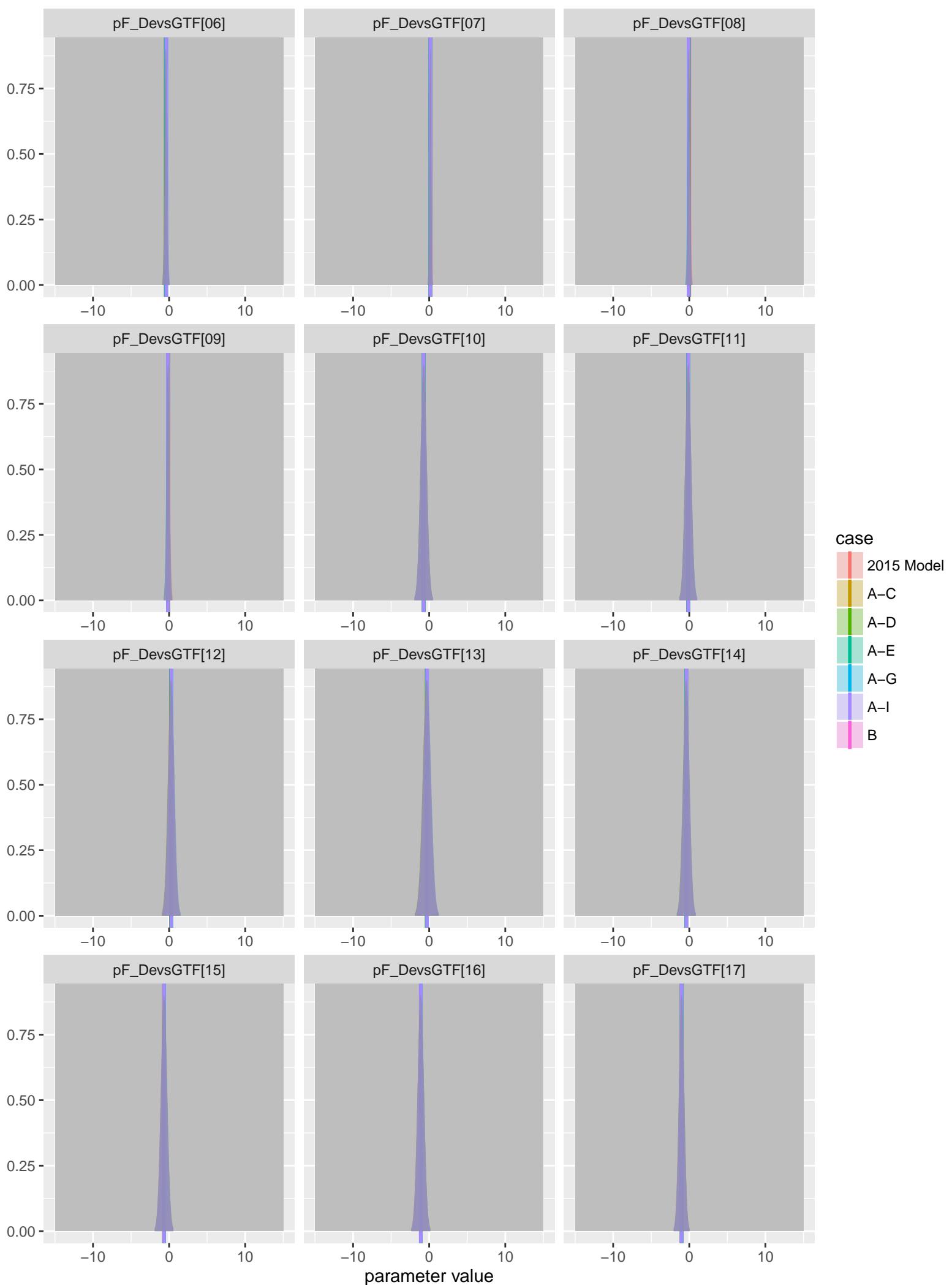


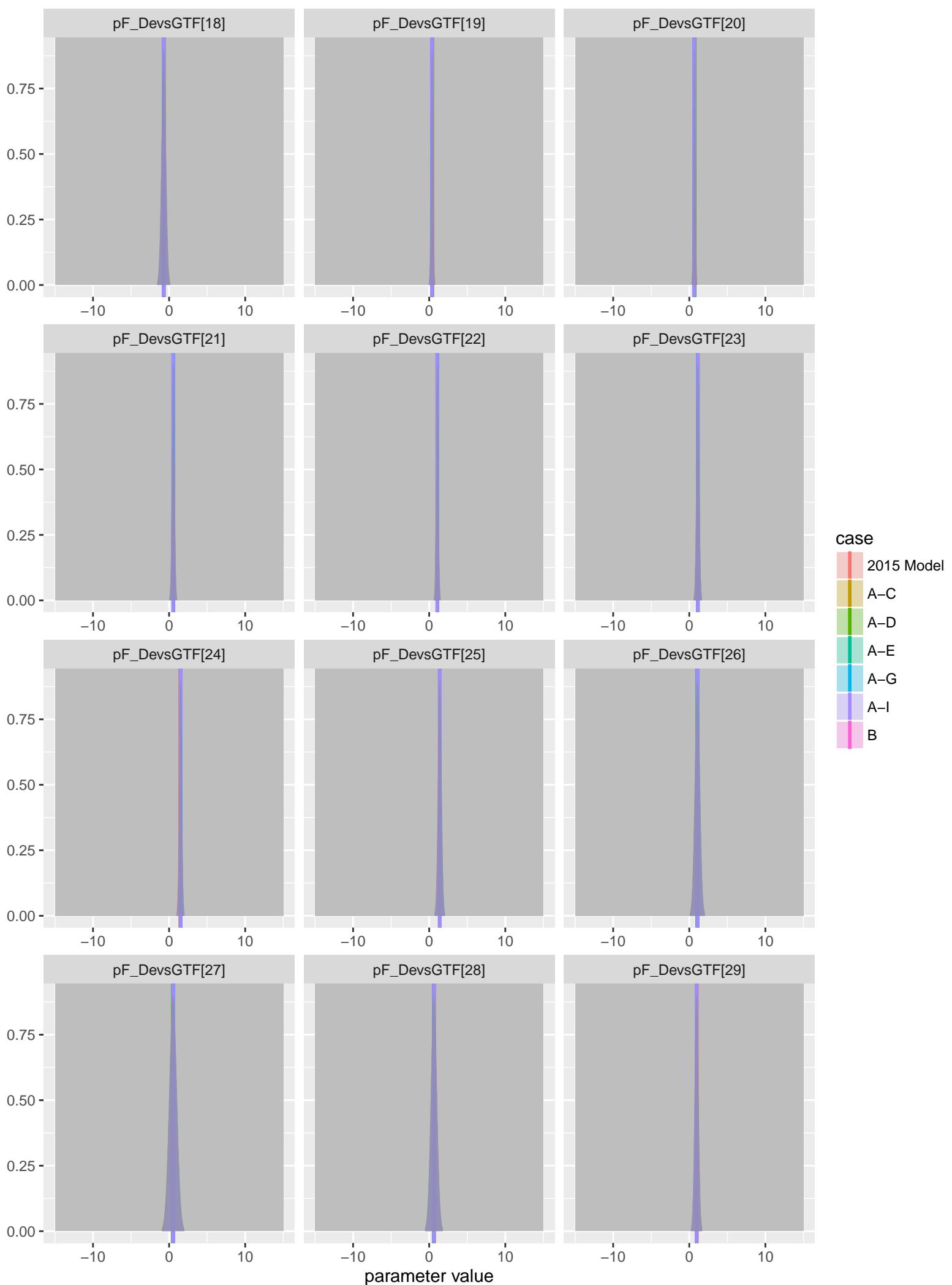


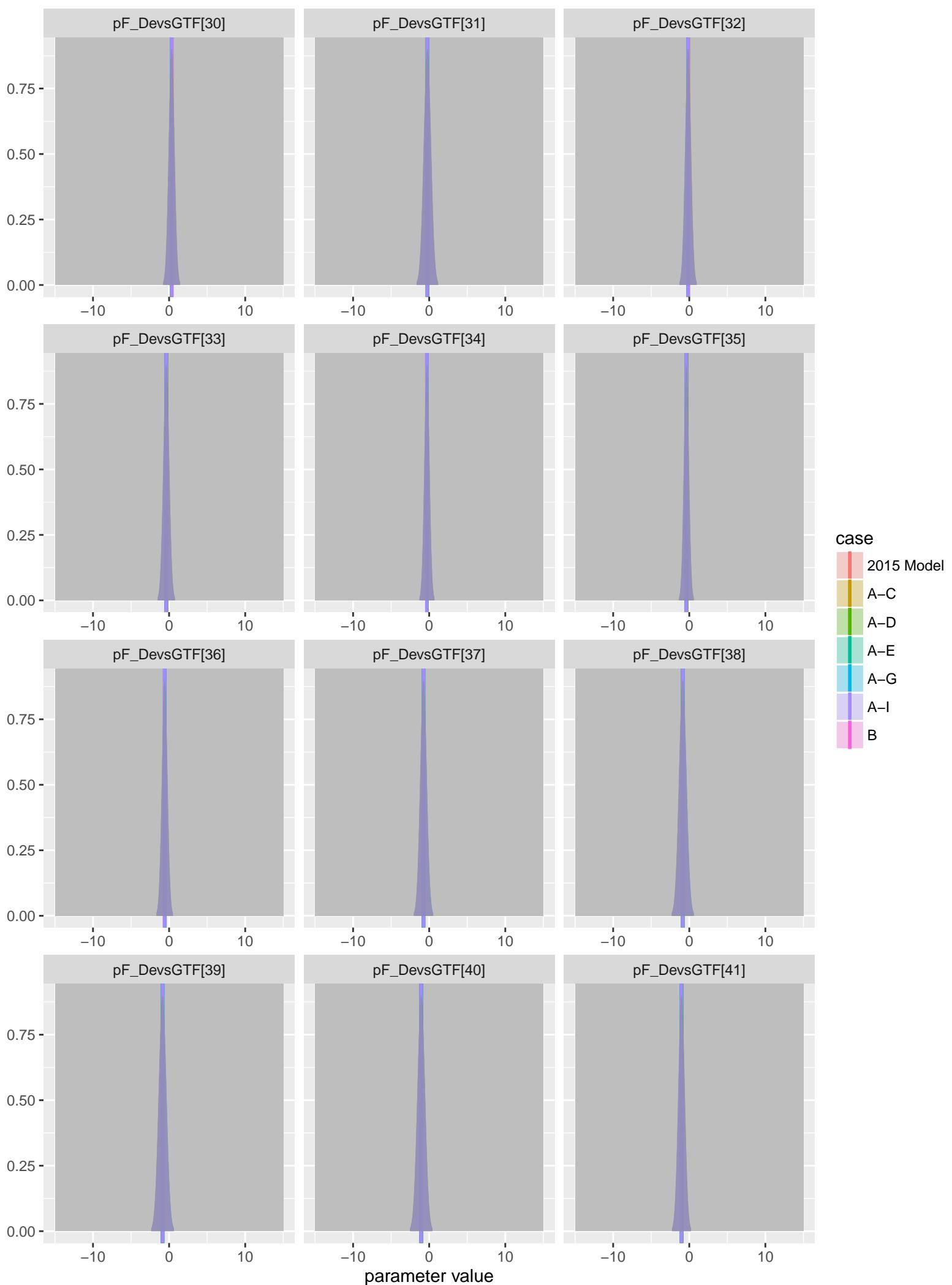


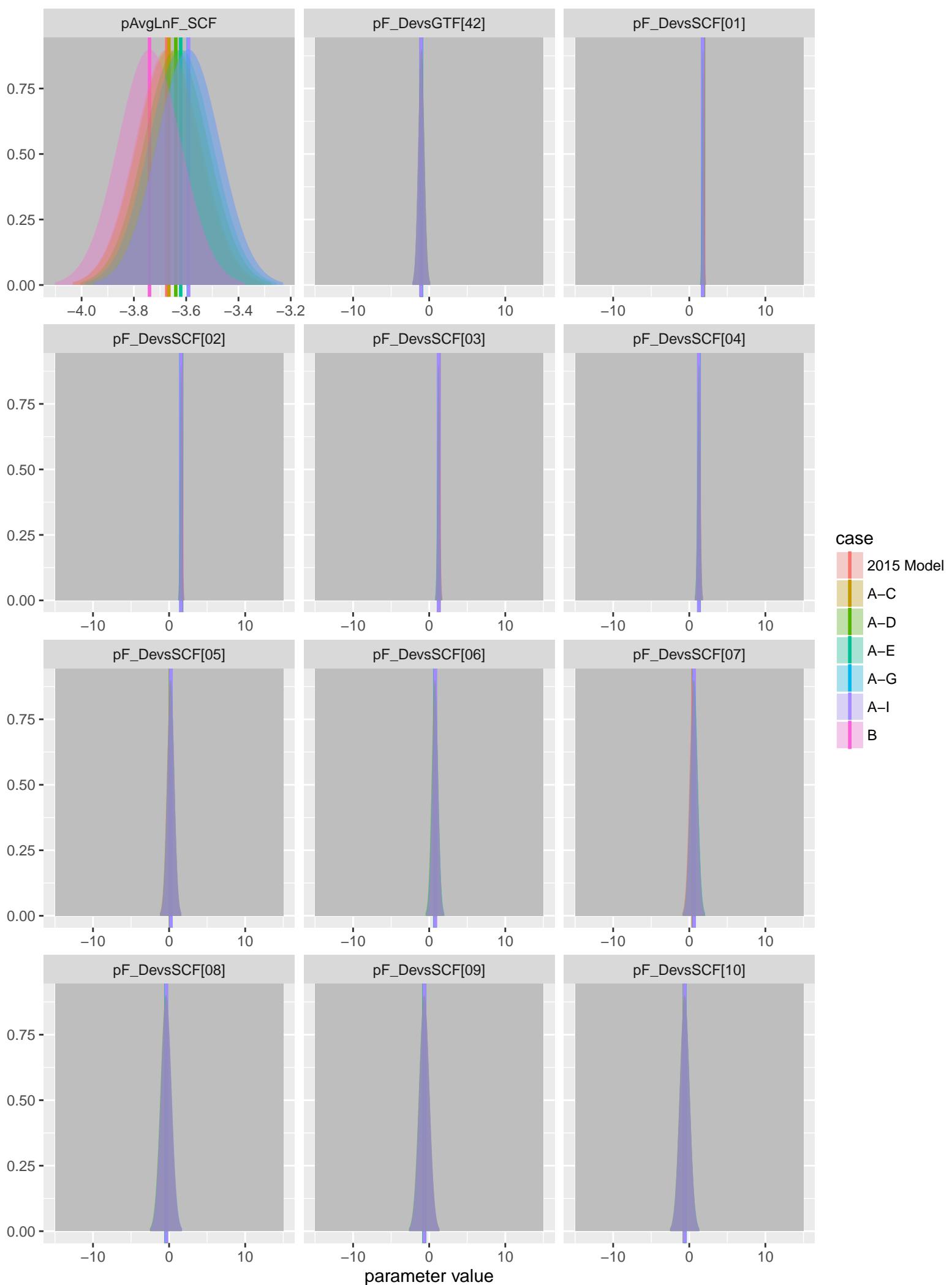


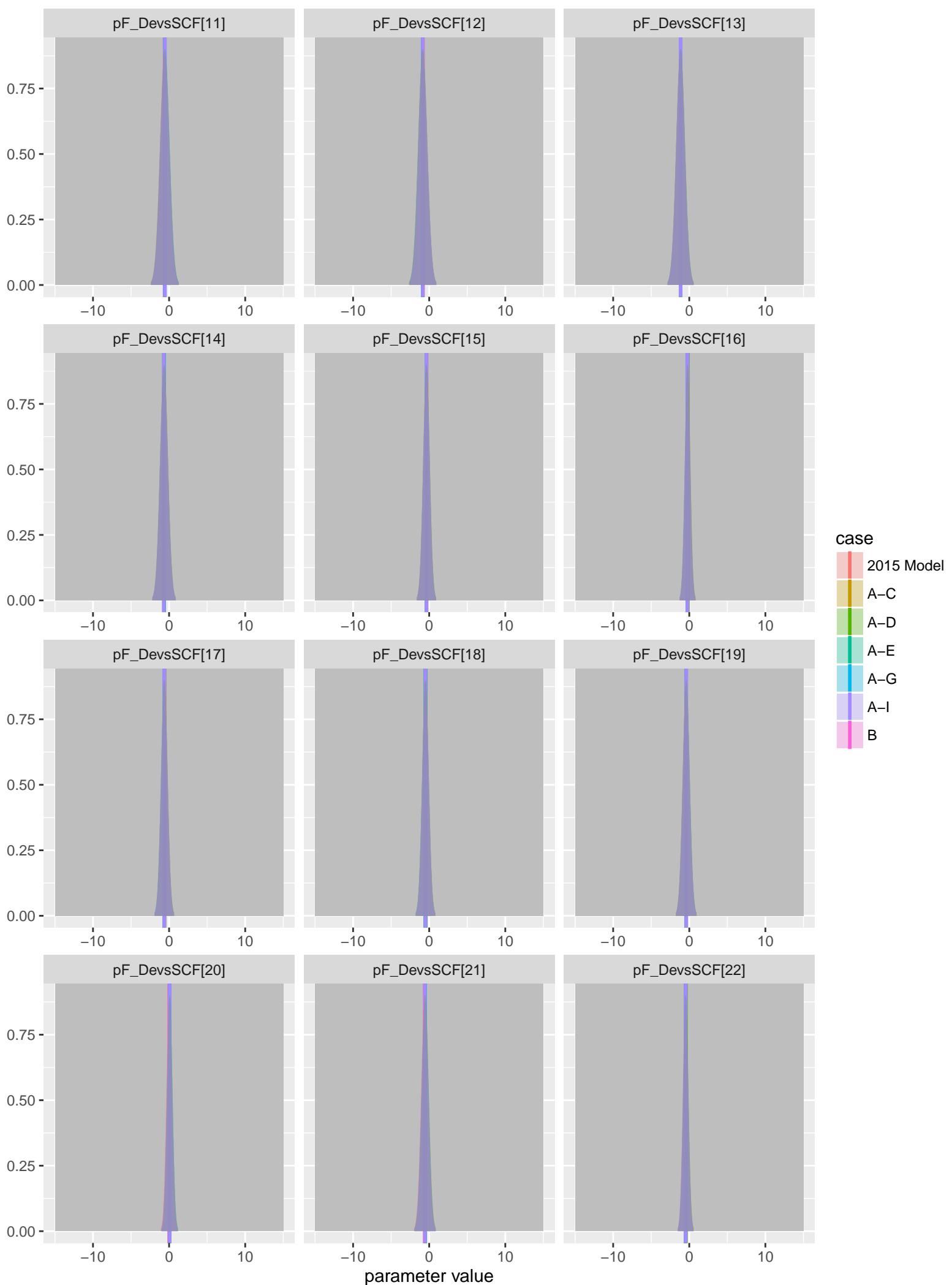


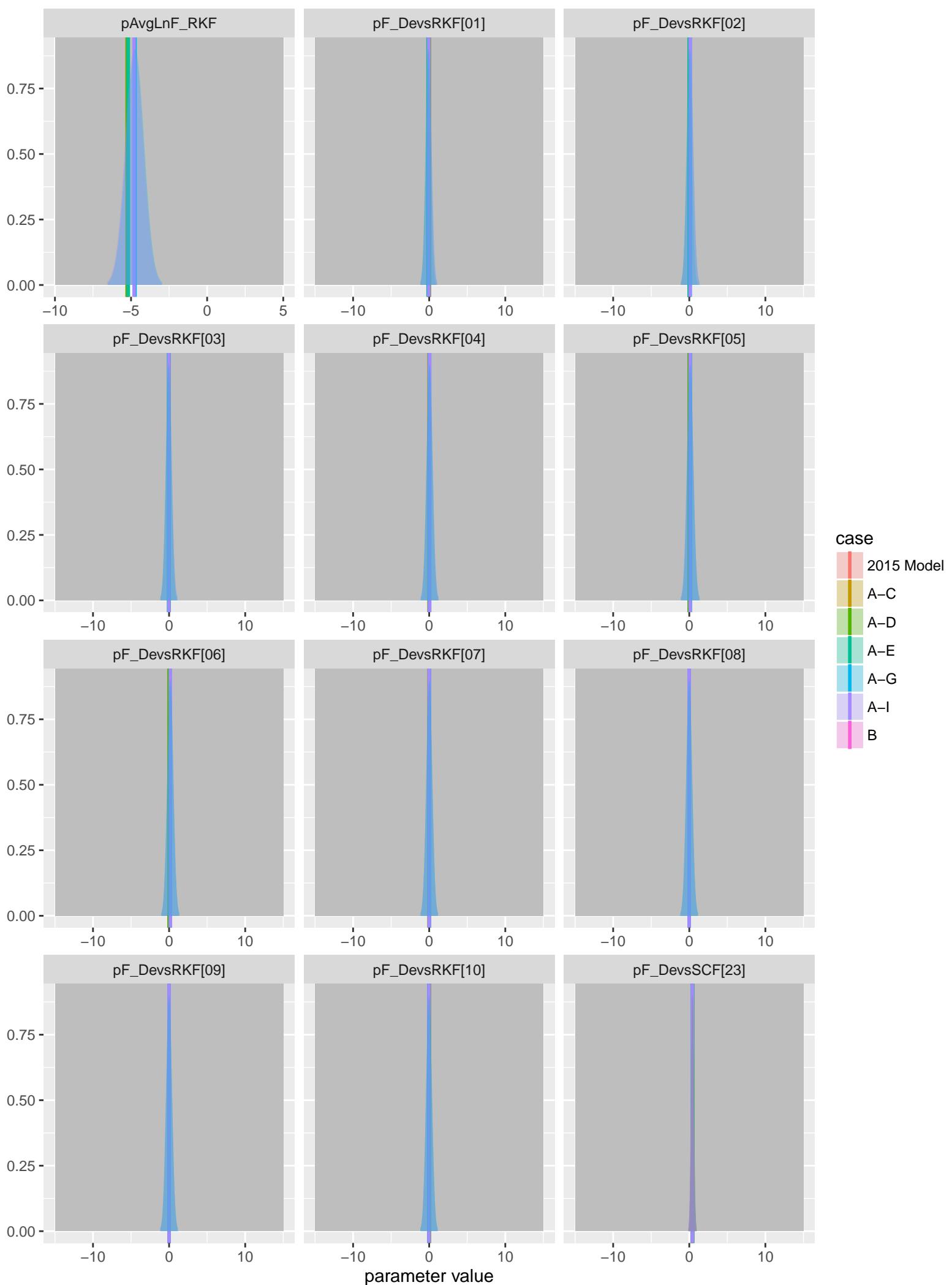


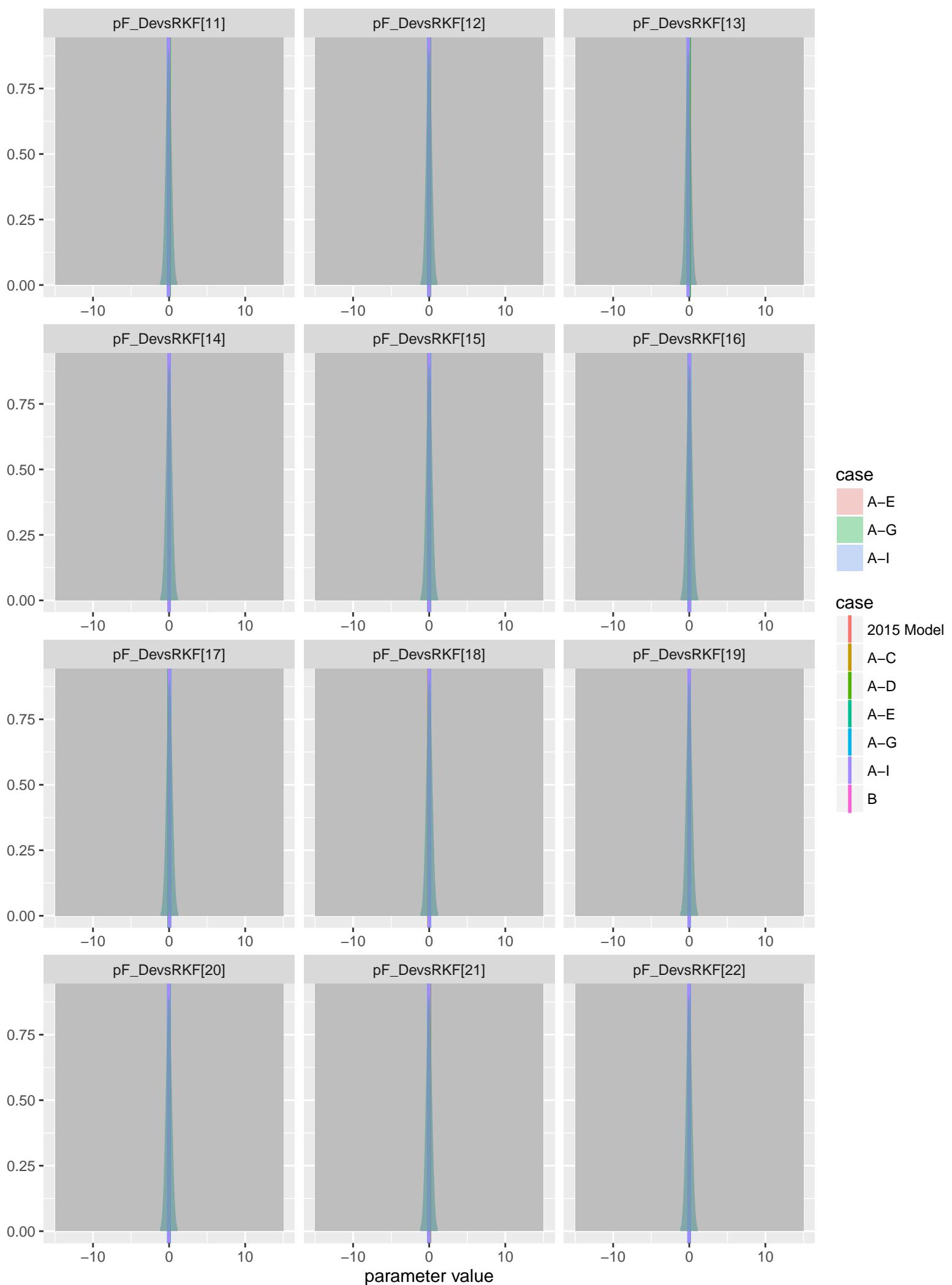


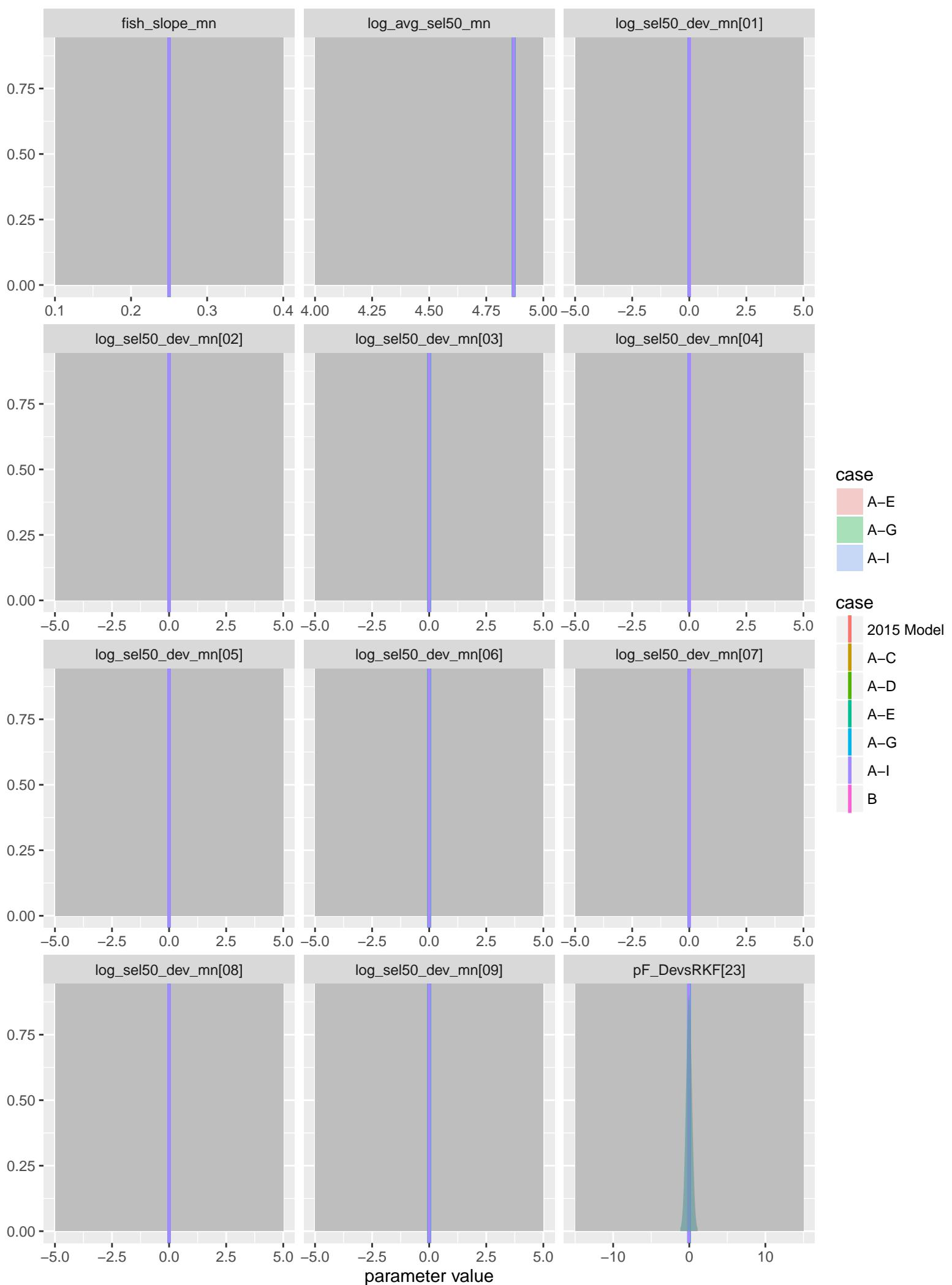


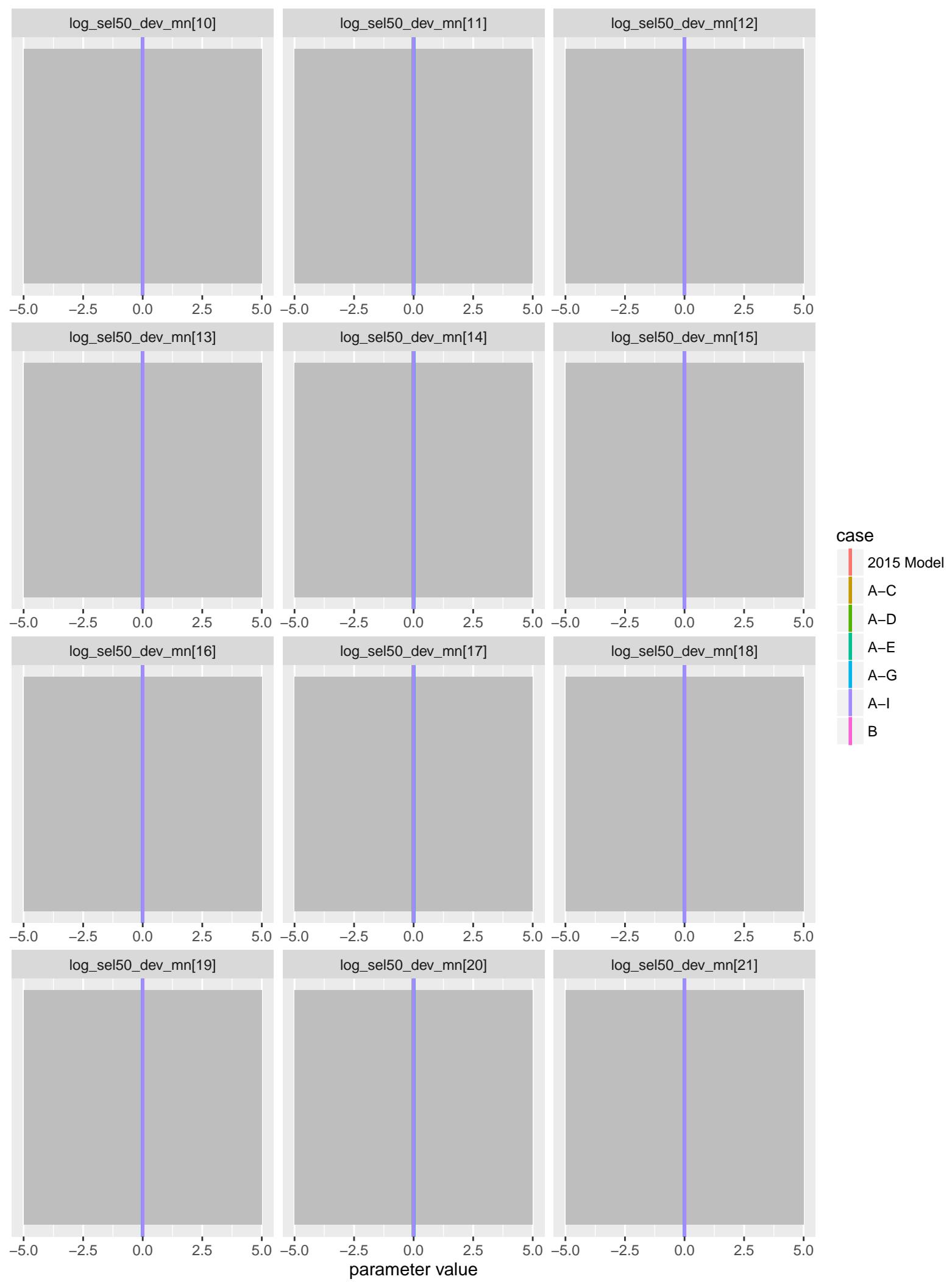


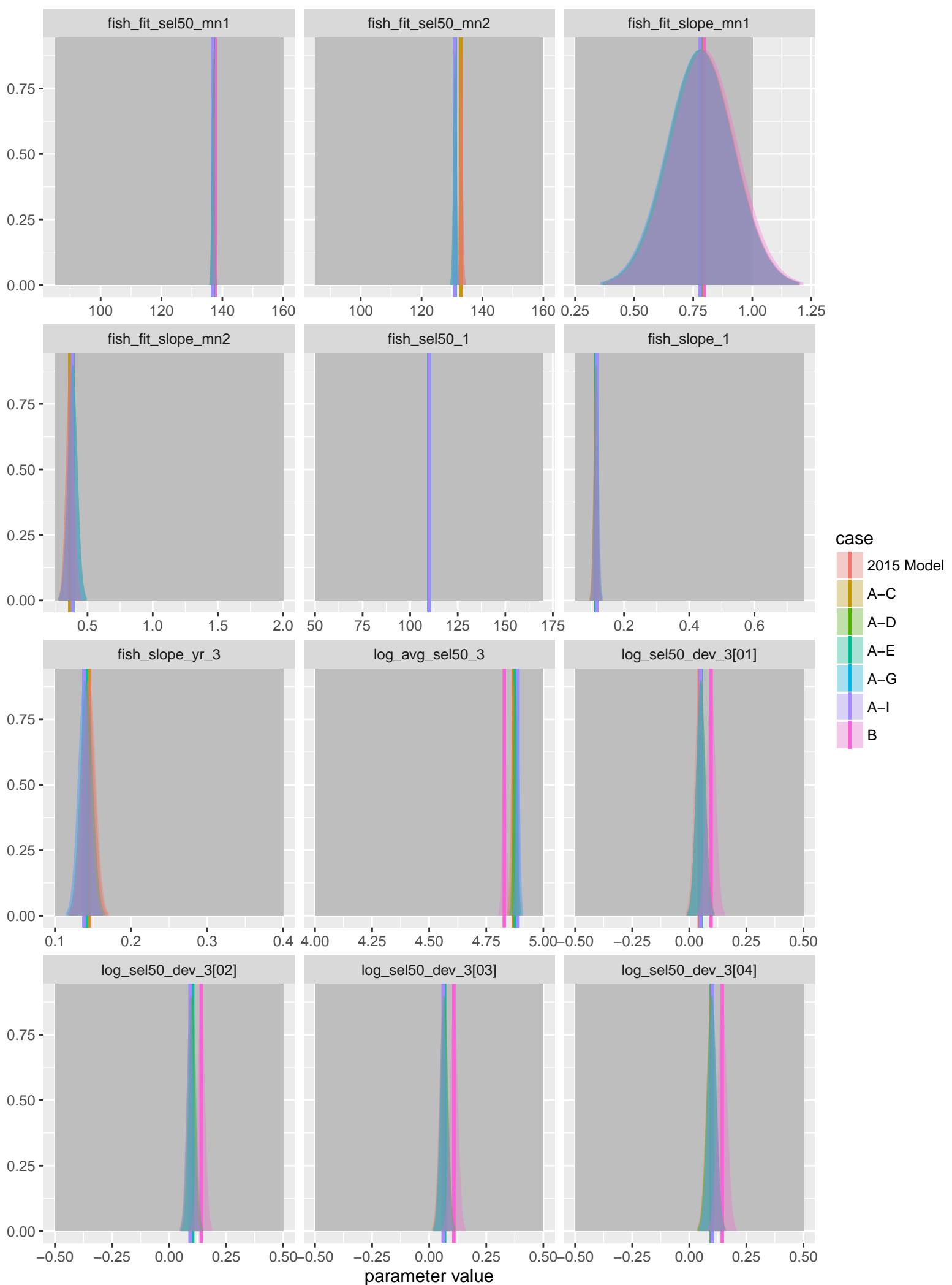


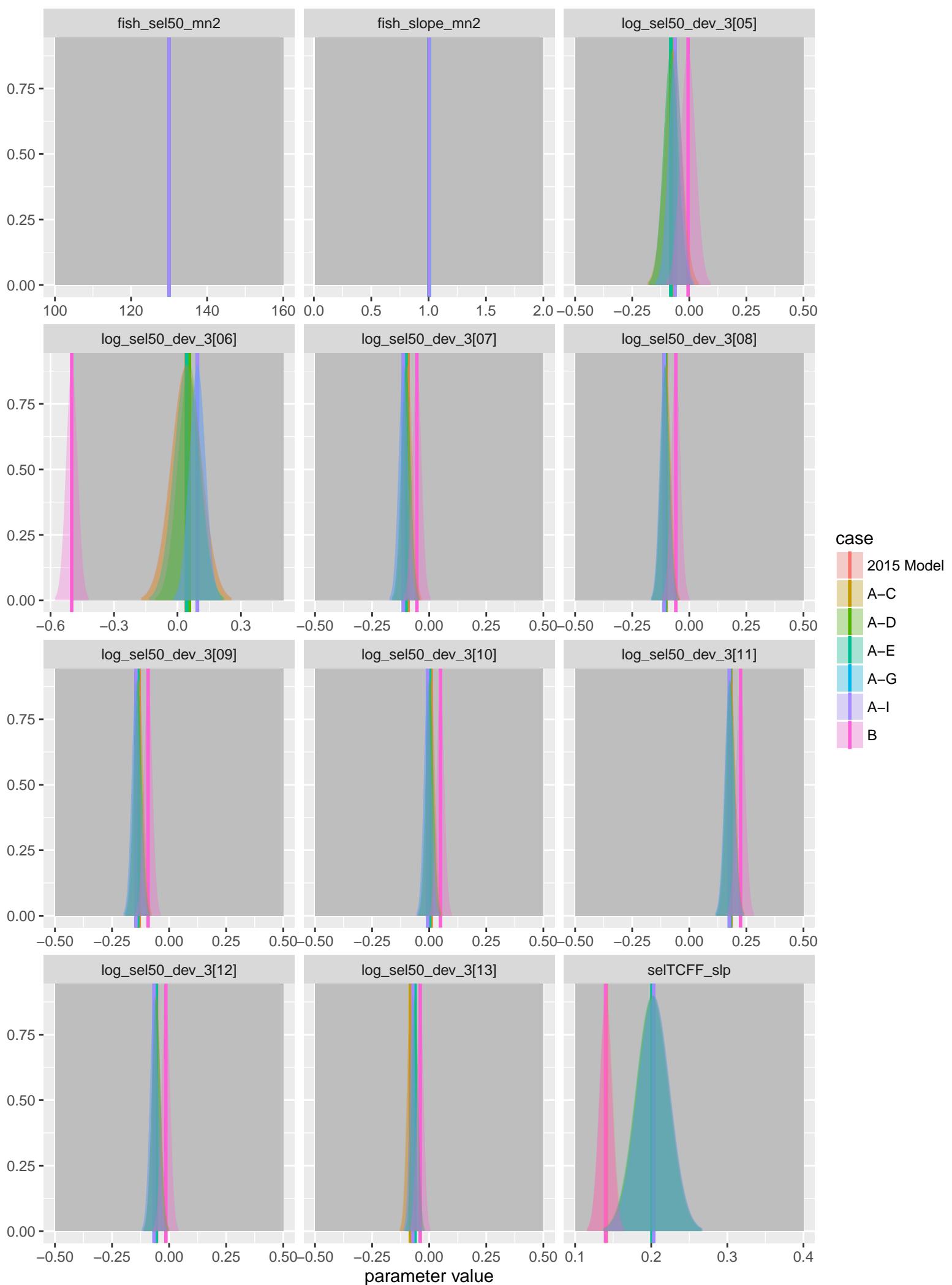


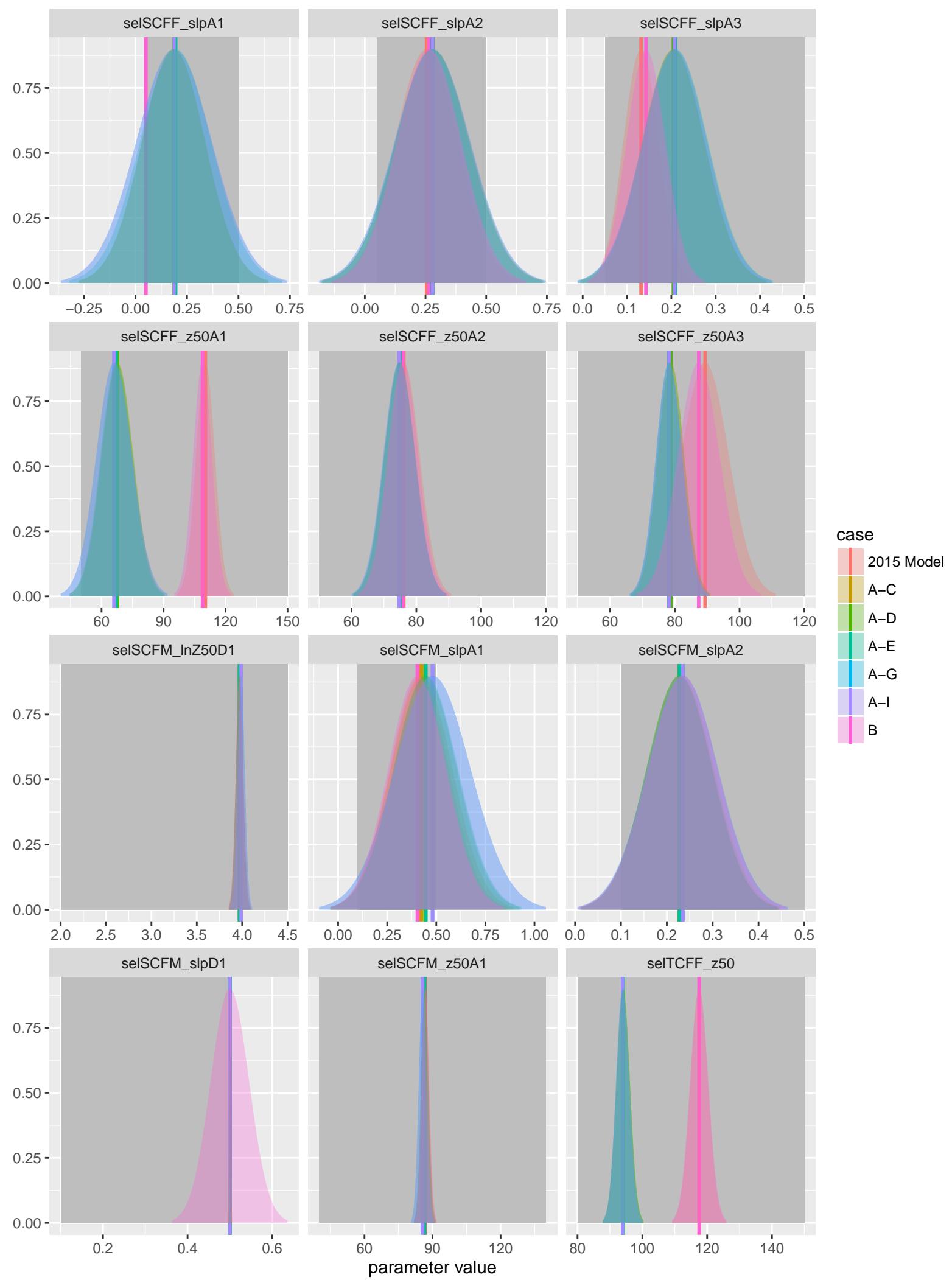


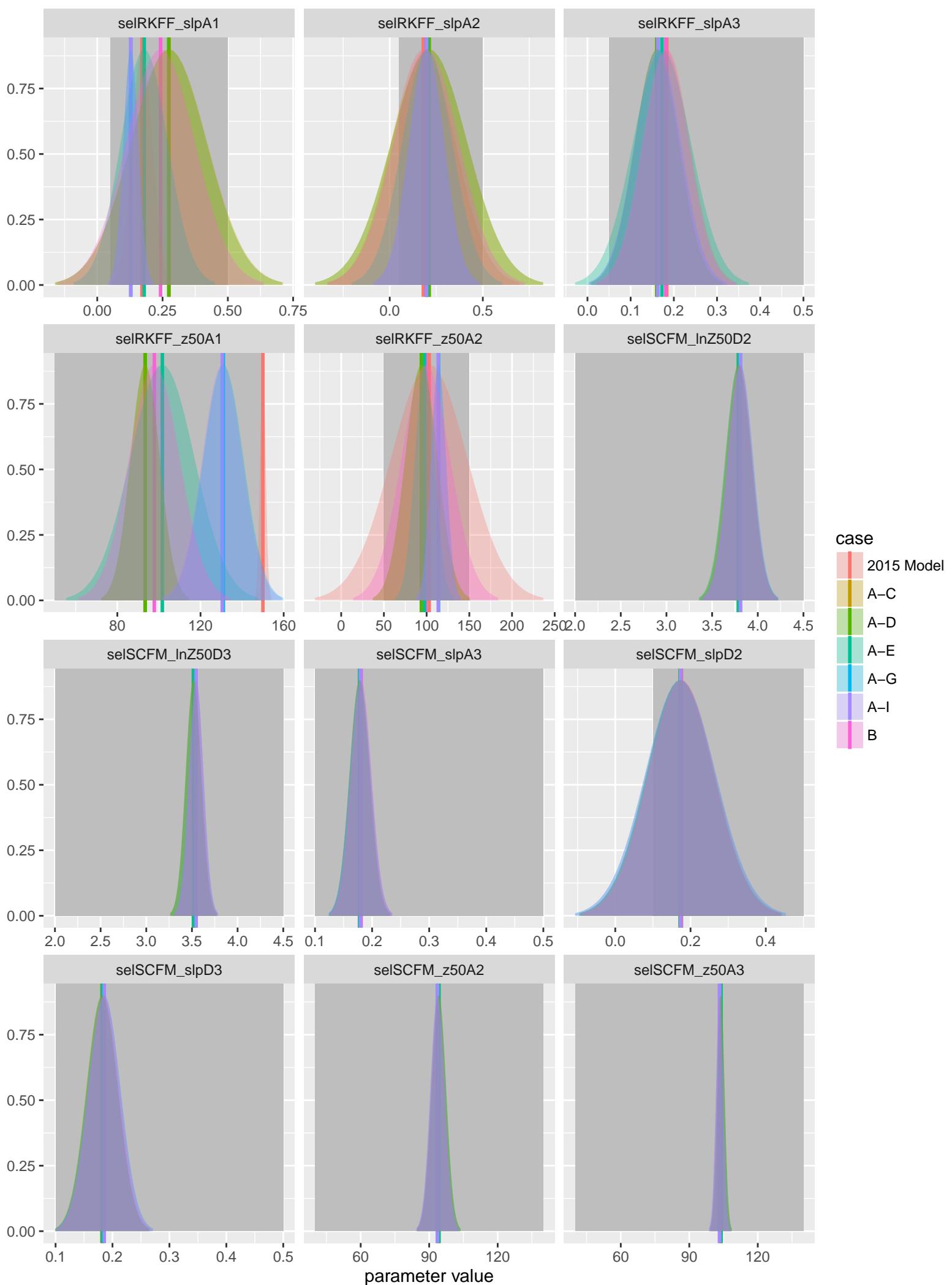


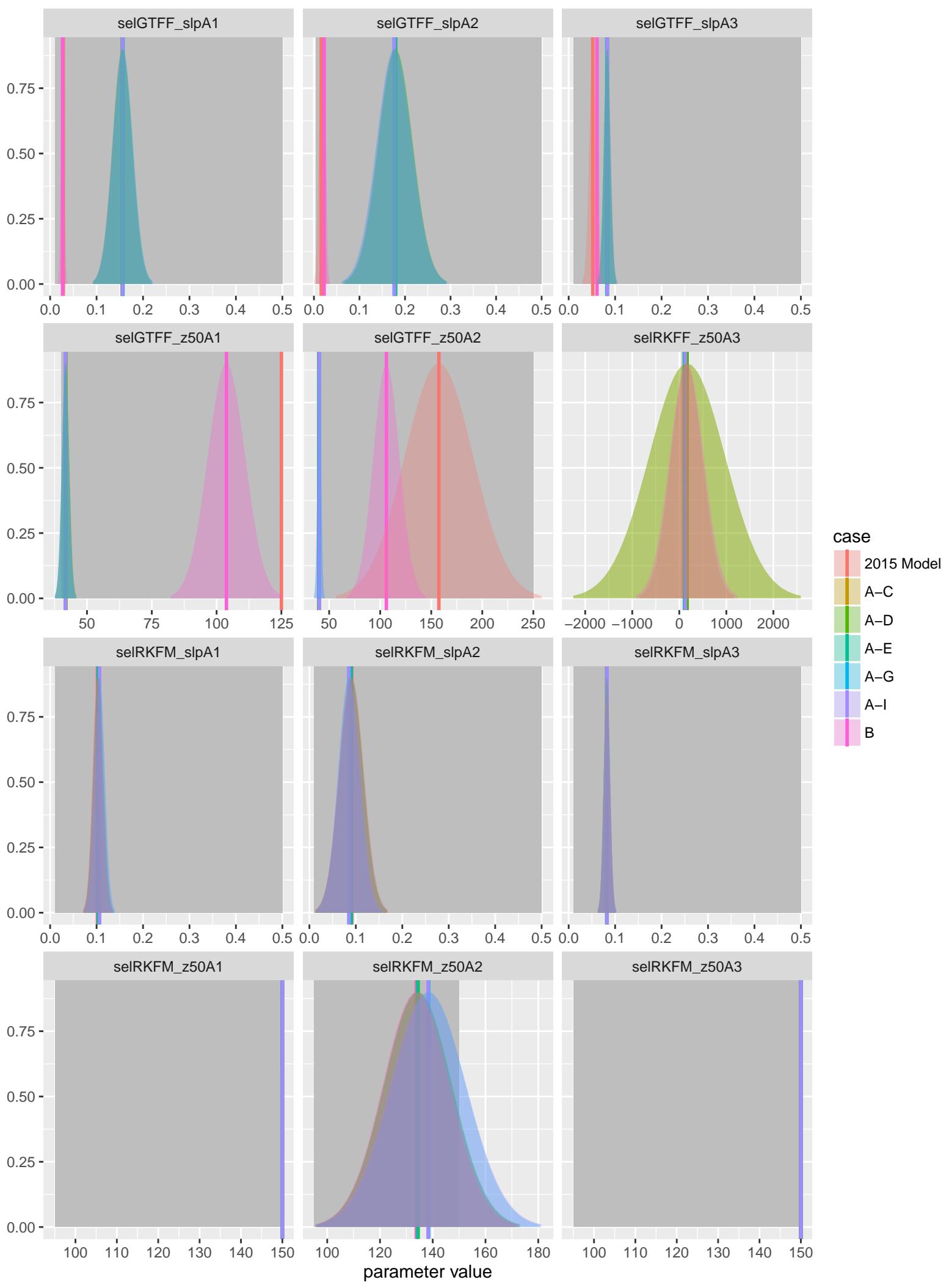


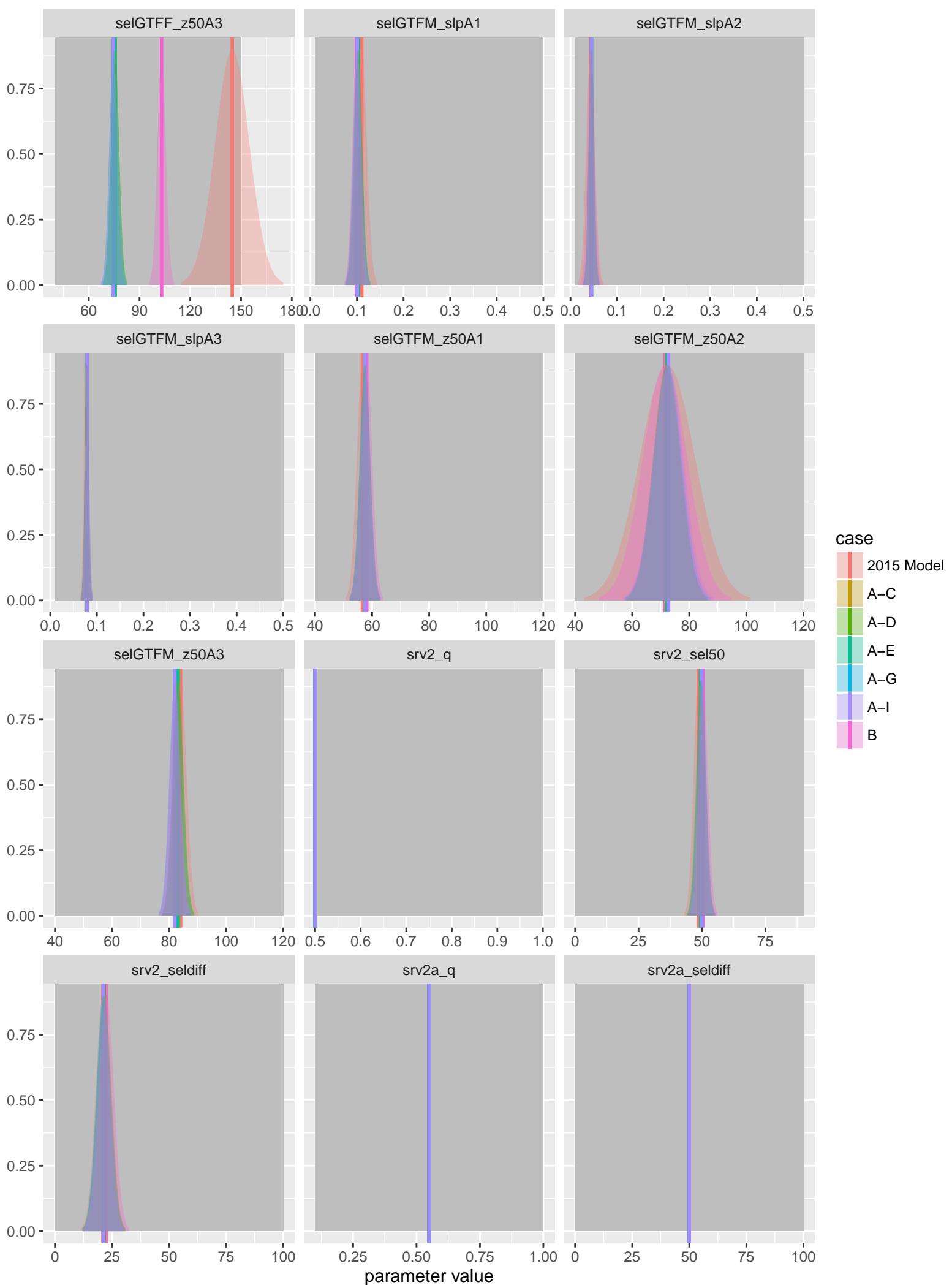


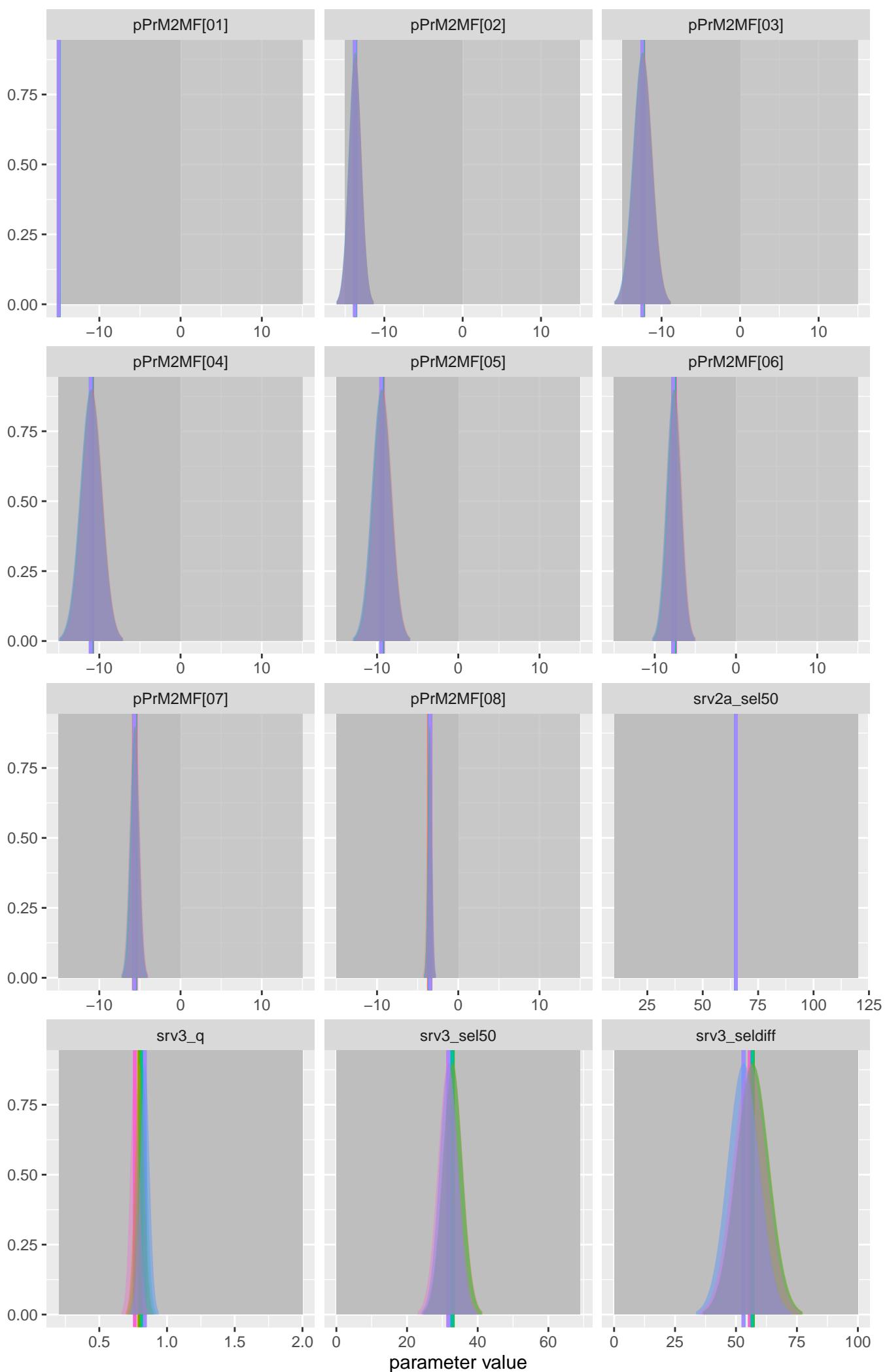


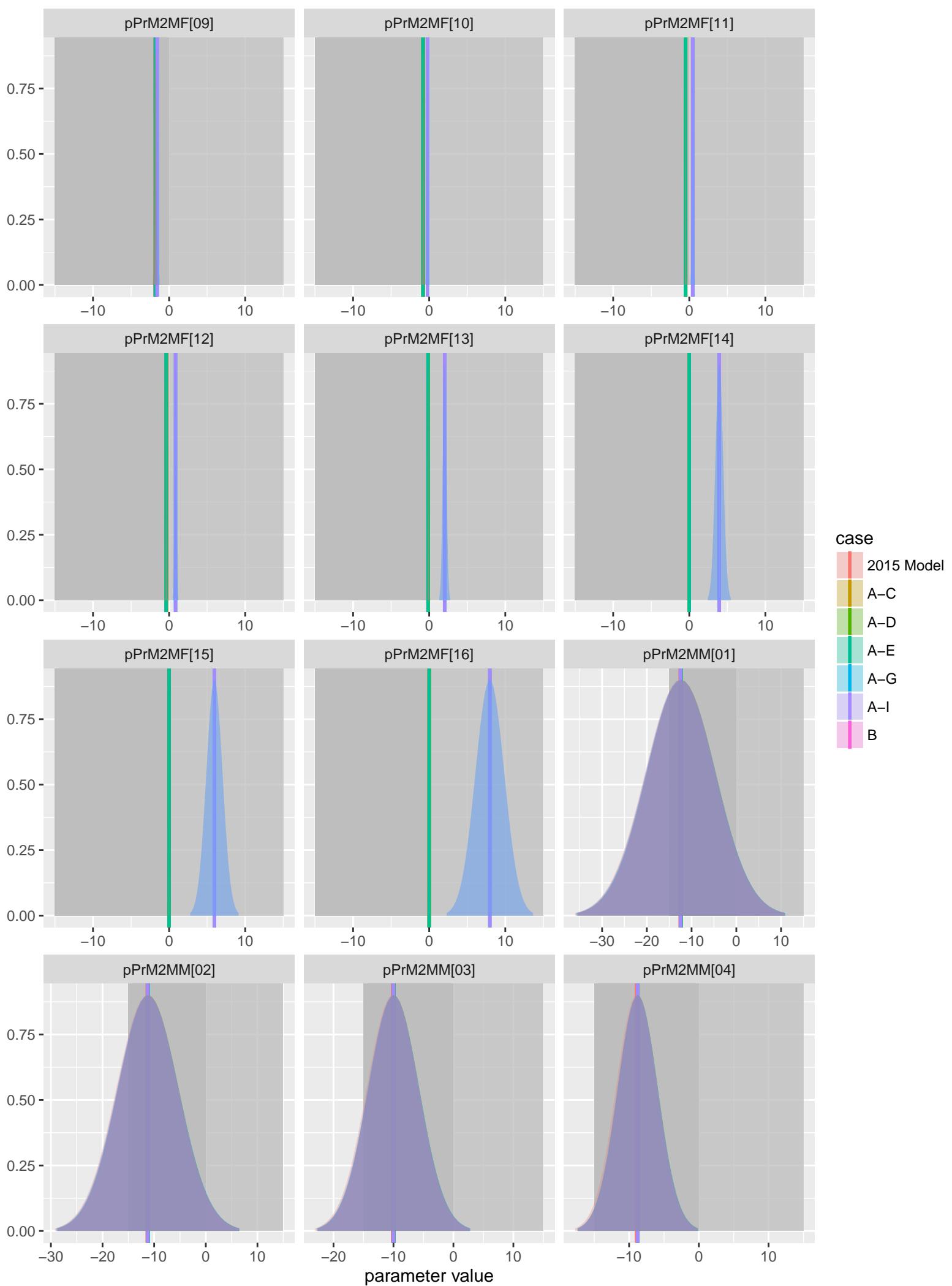


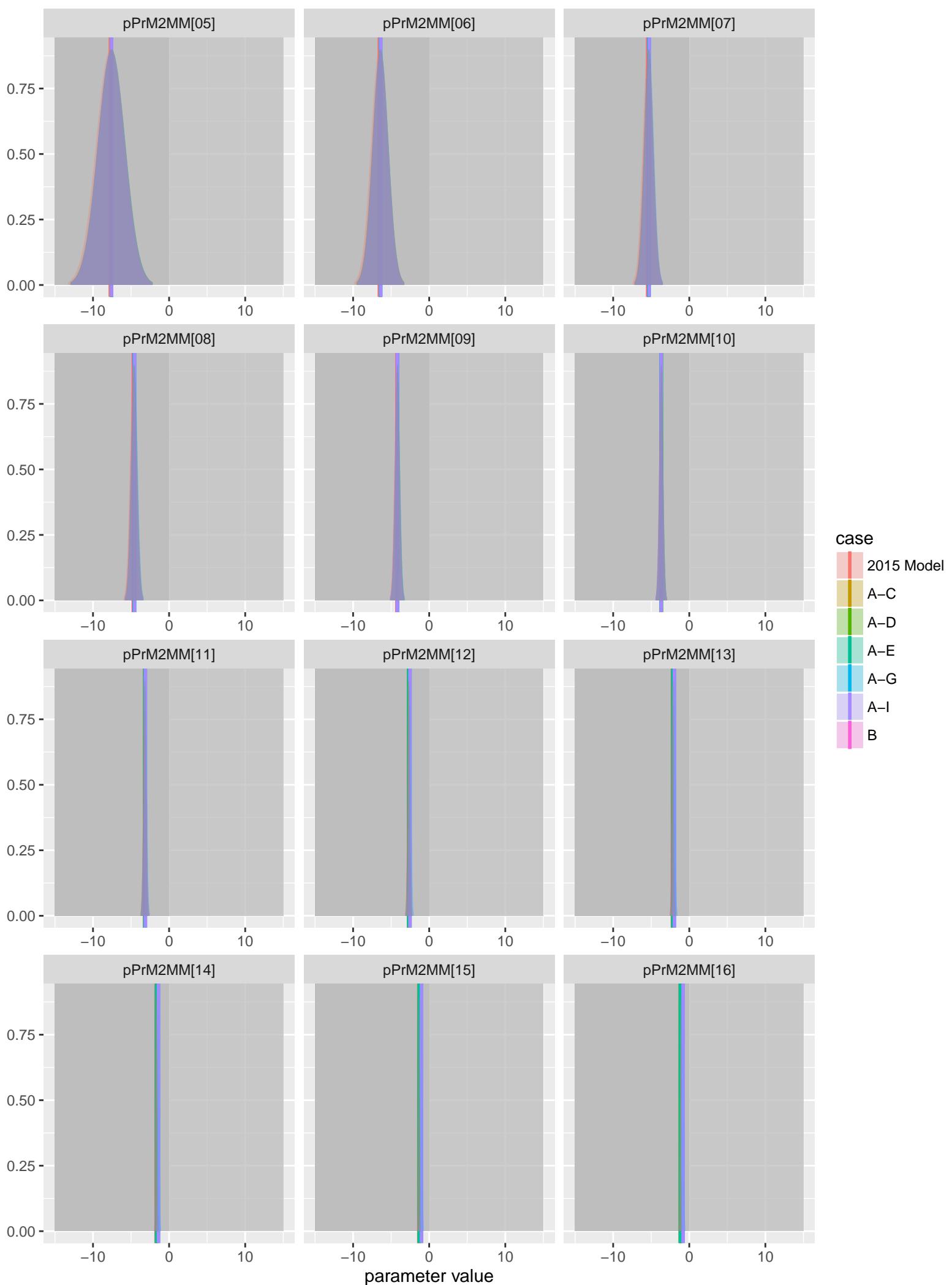


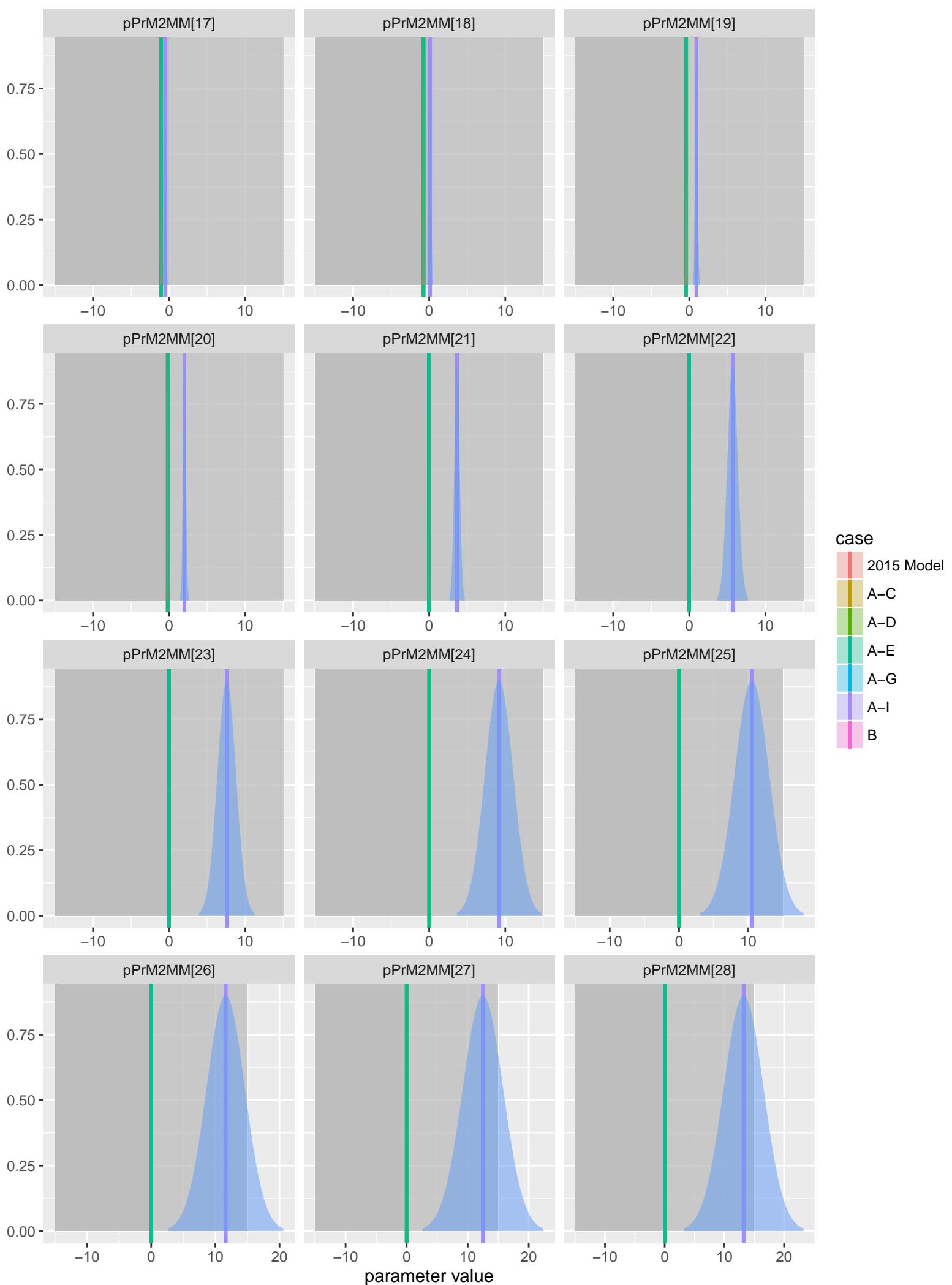


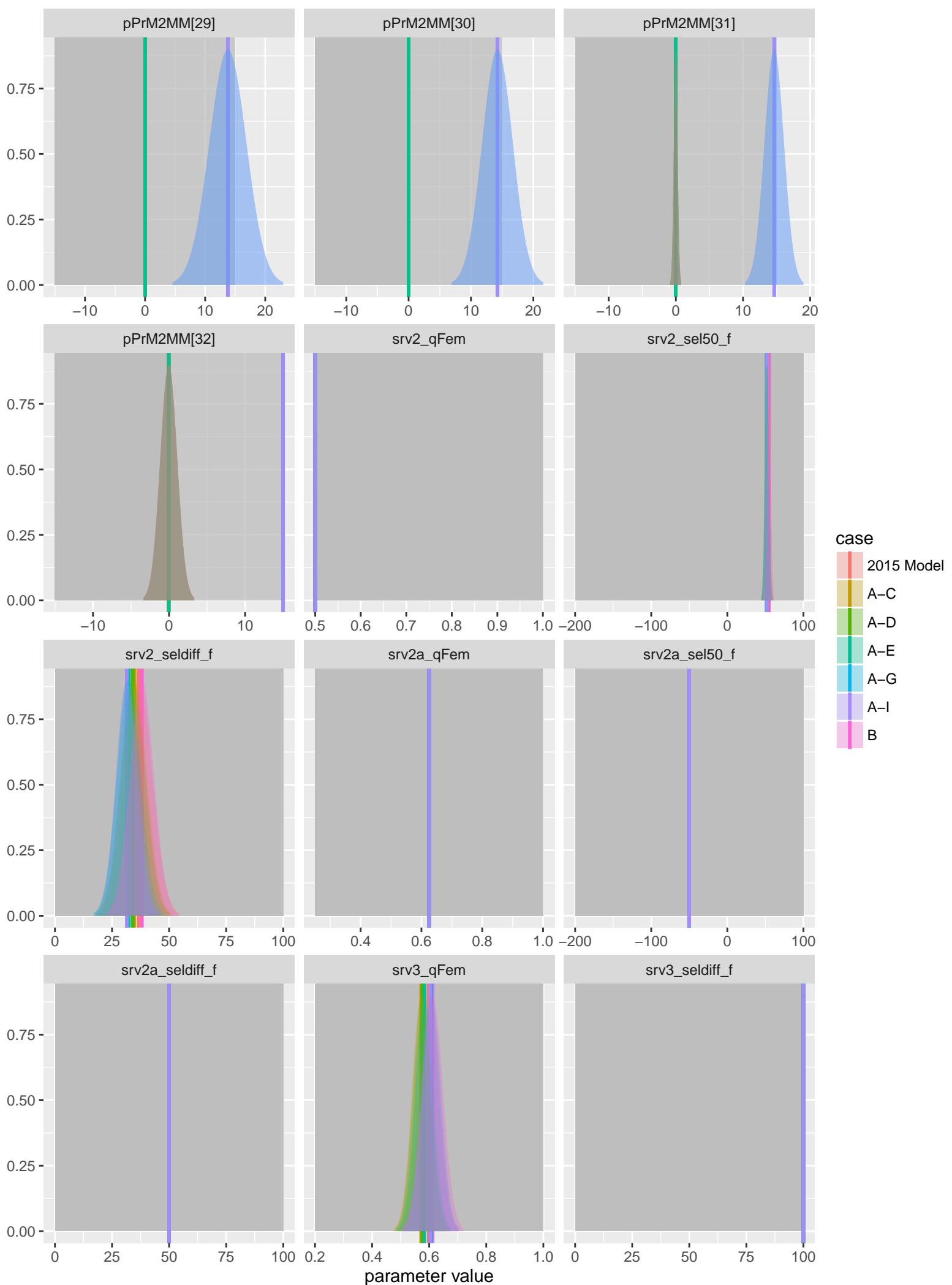


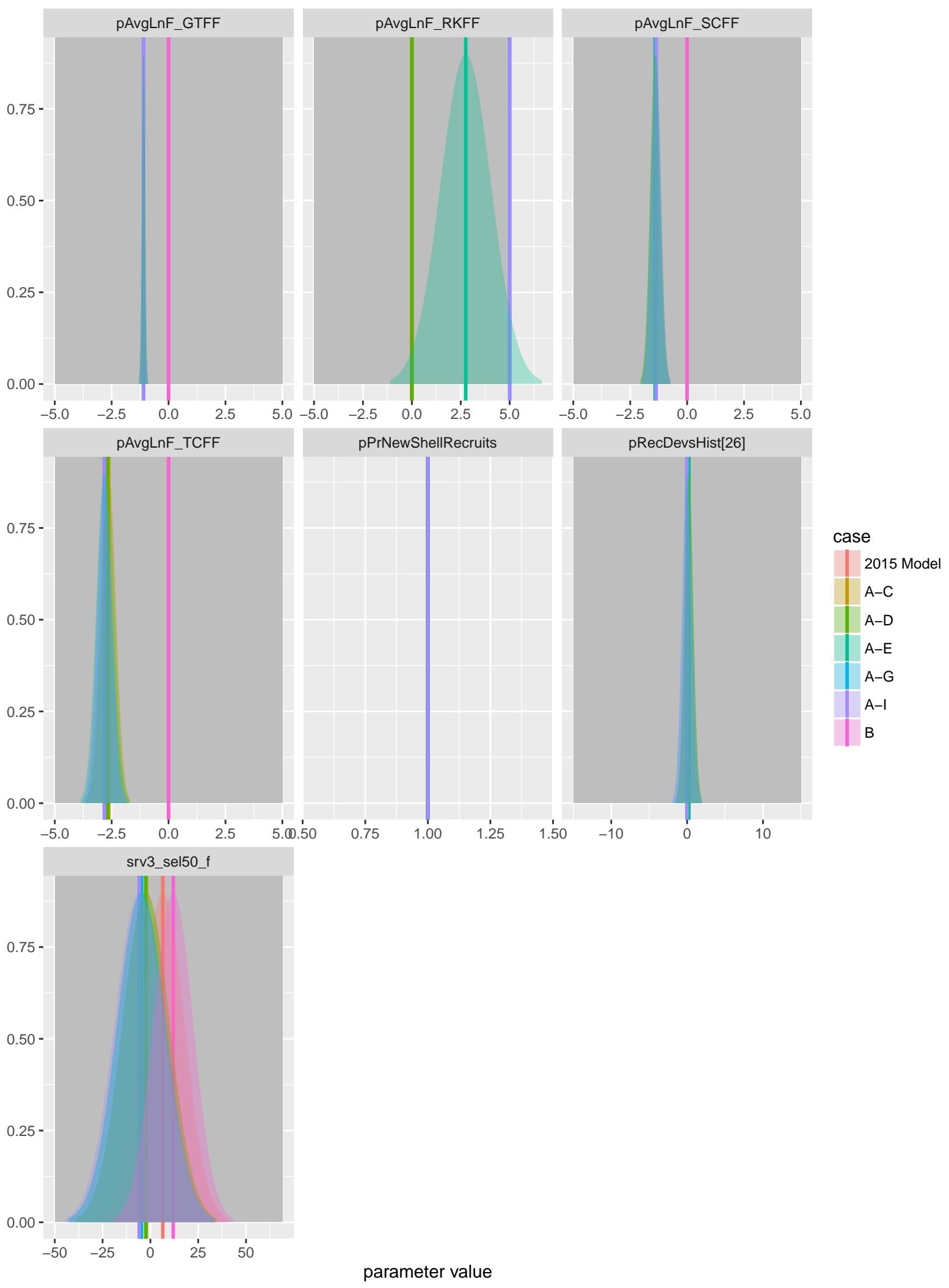




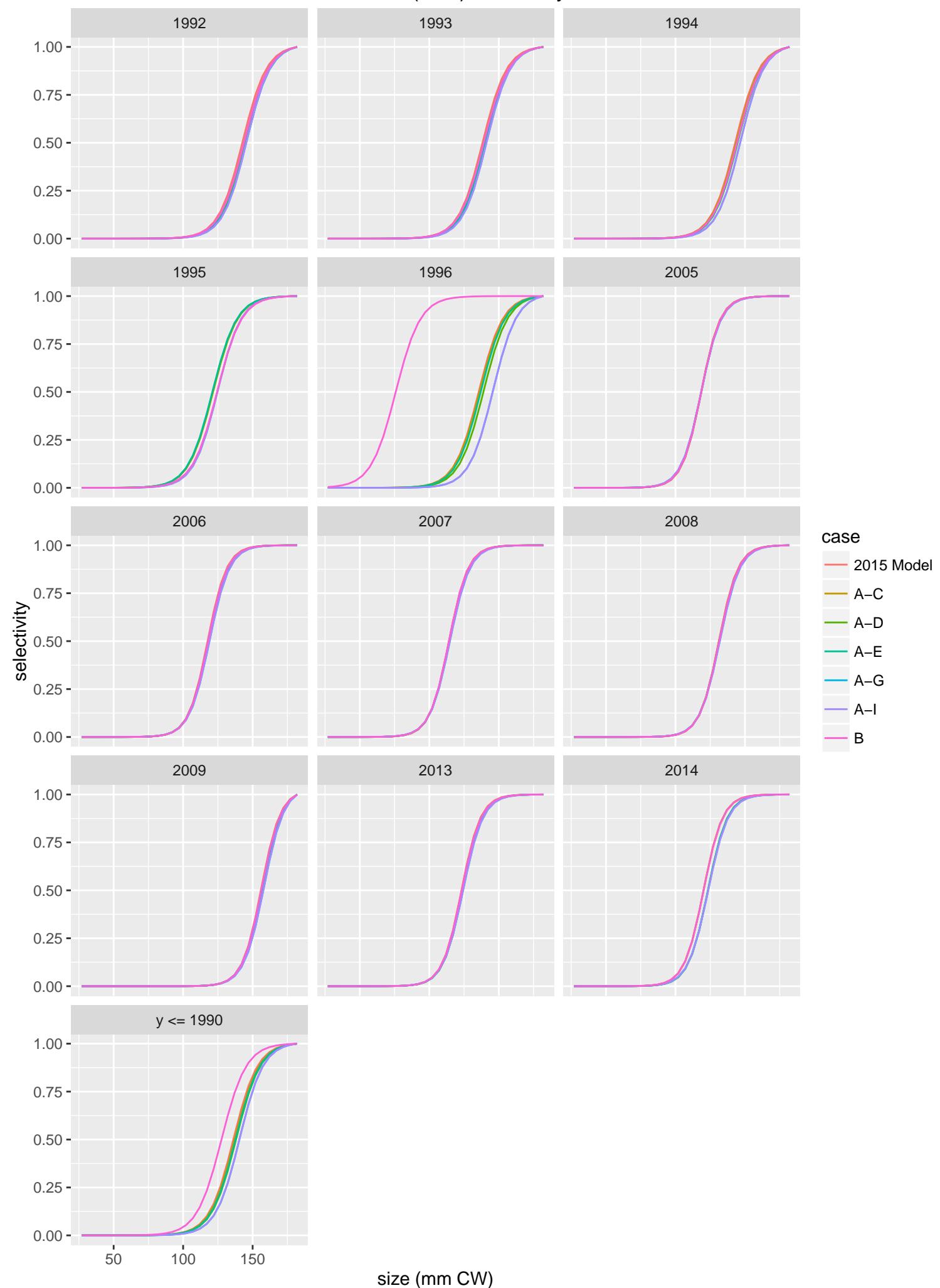




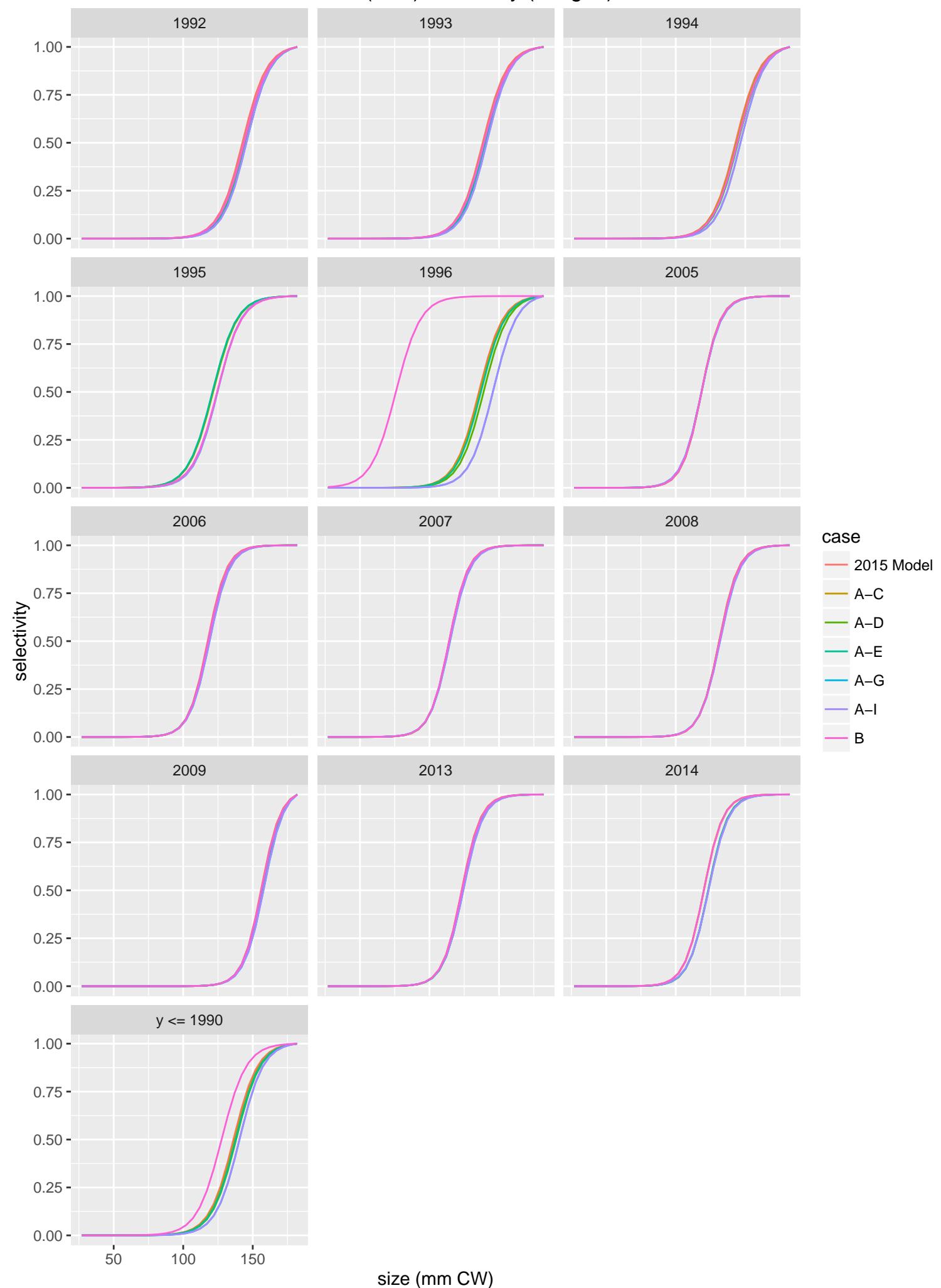




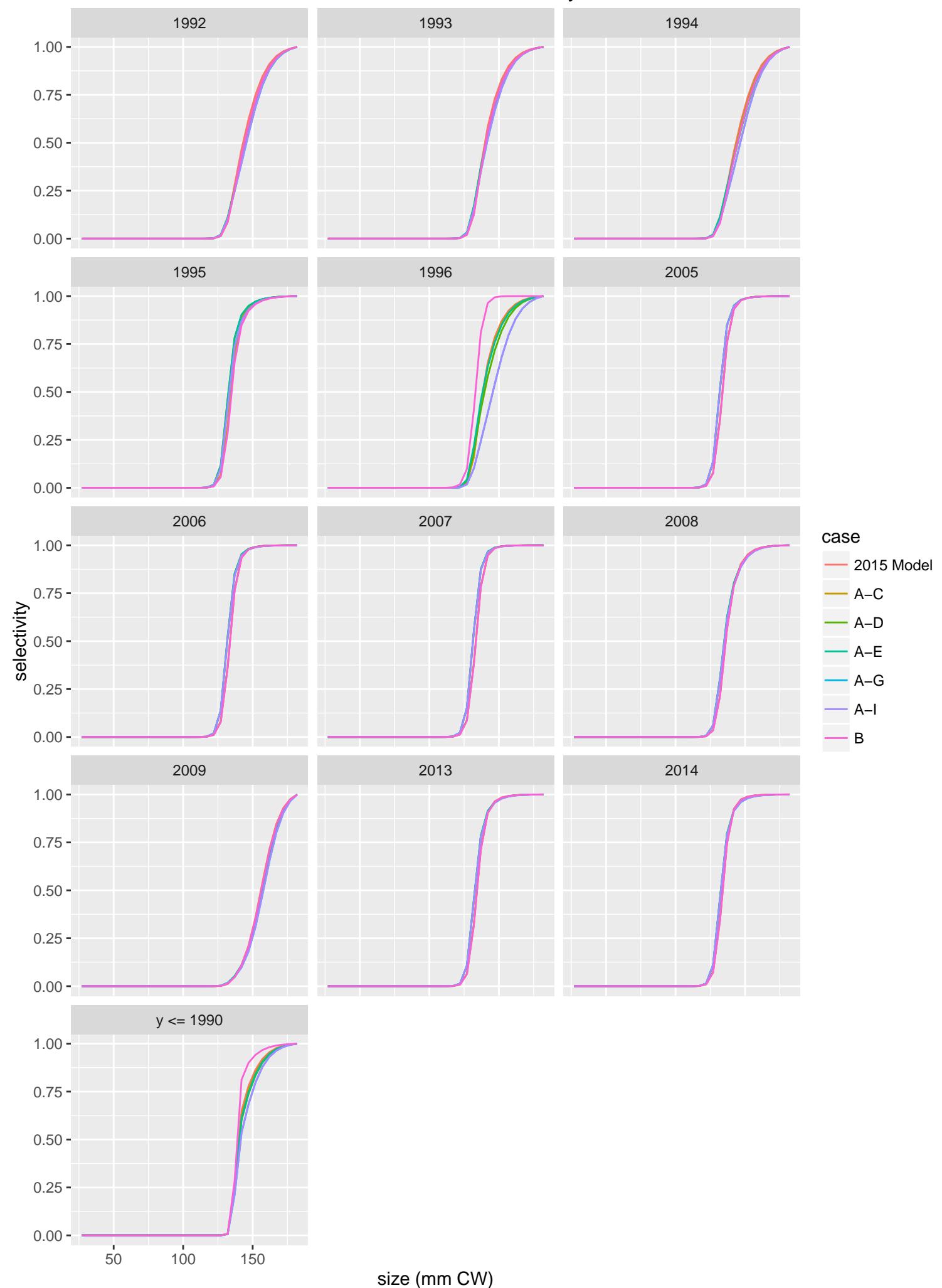
TCF: male (total) selectivity



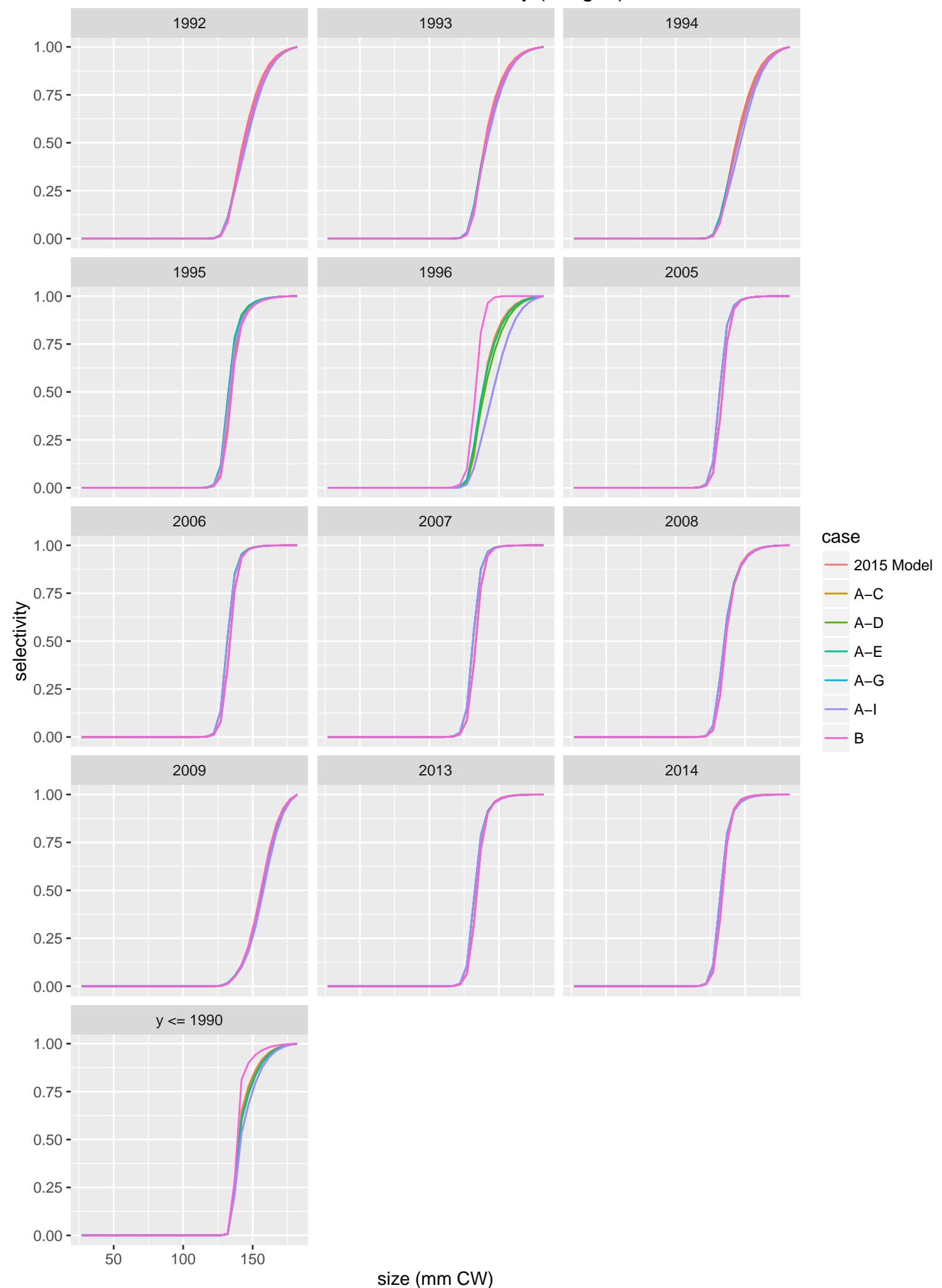
TCF: male (total) selectivity (dodged)



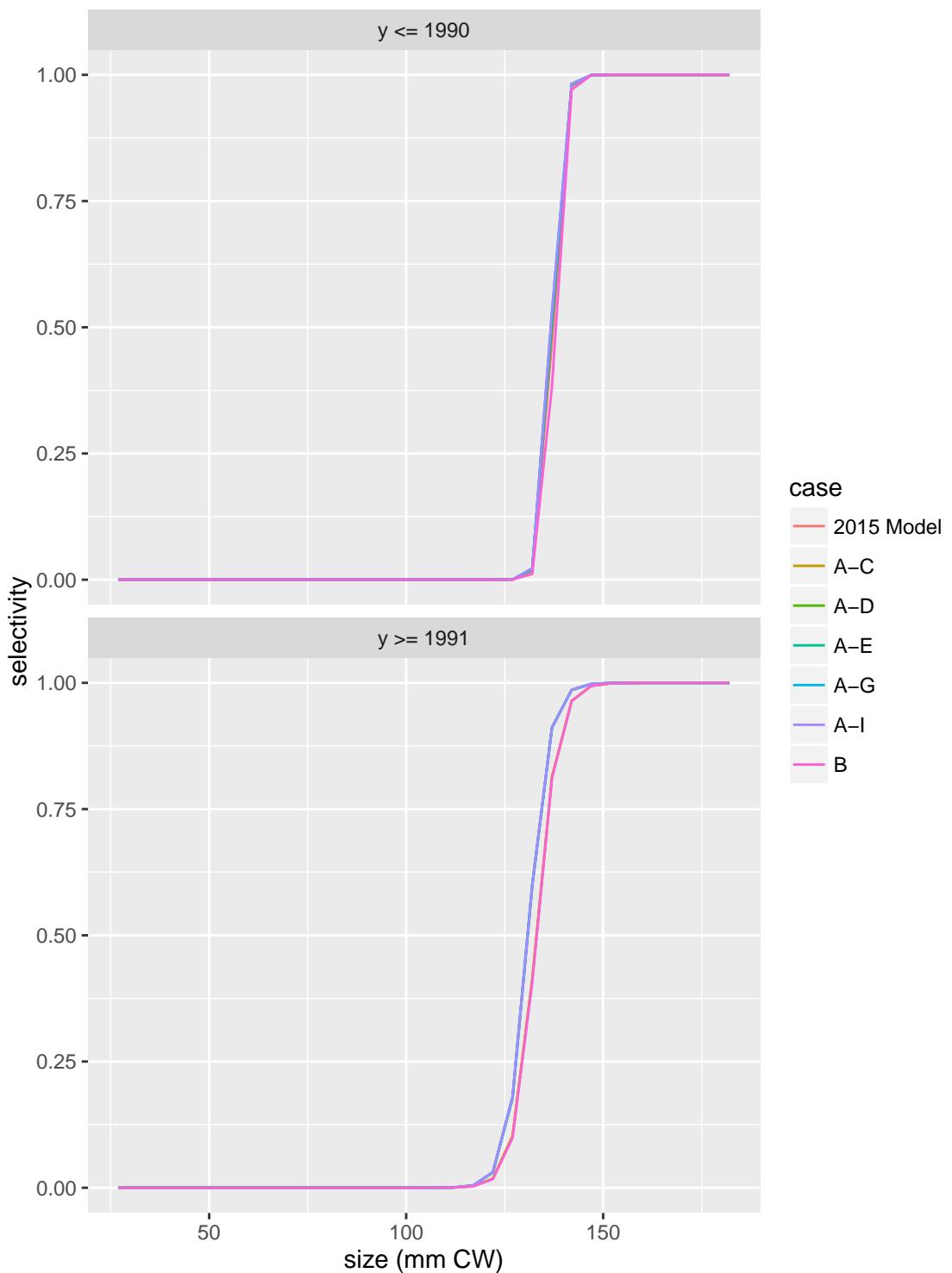
TCF: male retained selectivity



TCF: male retained selectivity (dodged)

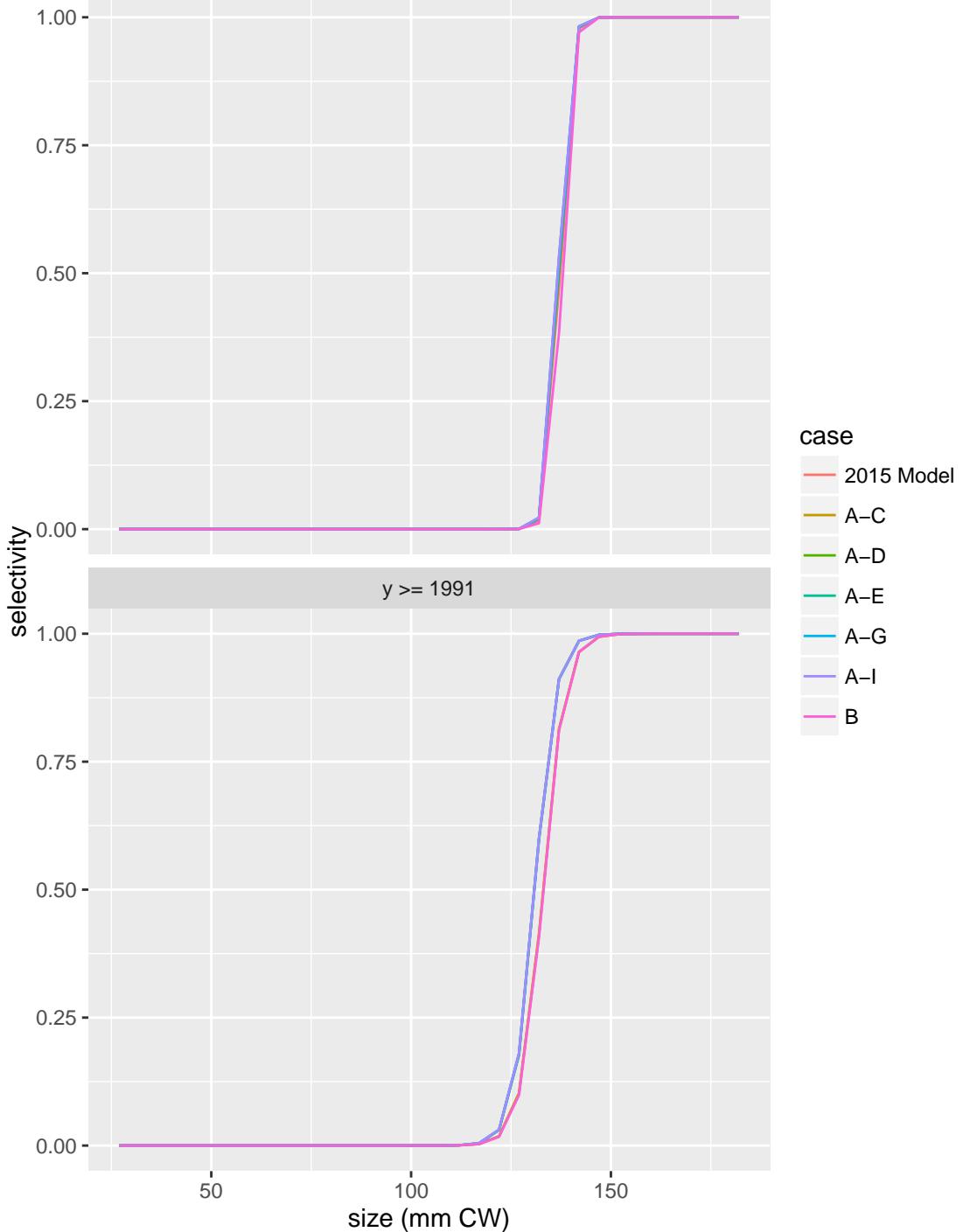


TCF: male retention functions

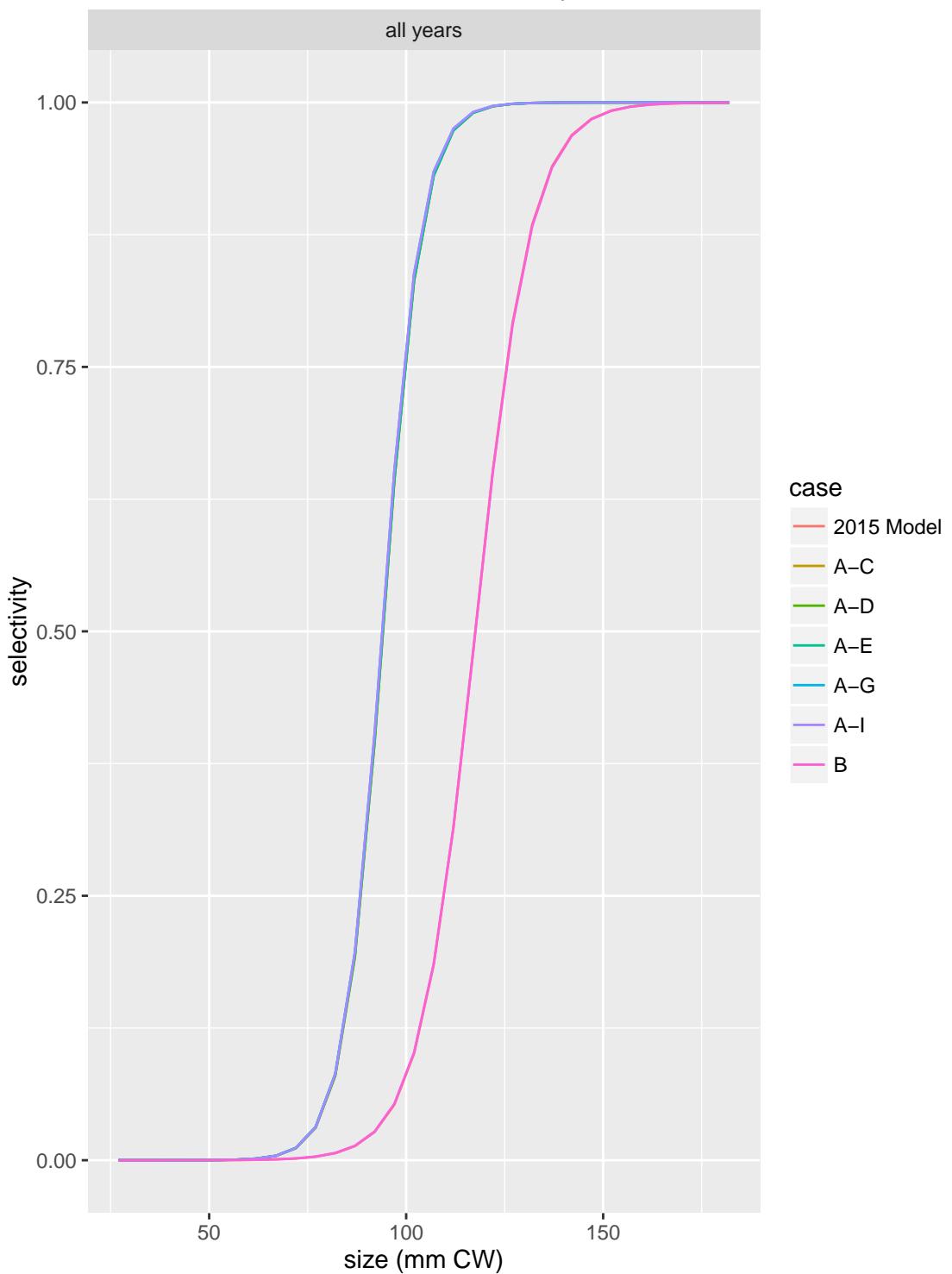


TCF: male retention functions (dodged)

$y \leq 1990$

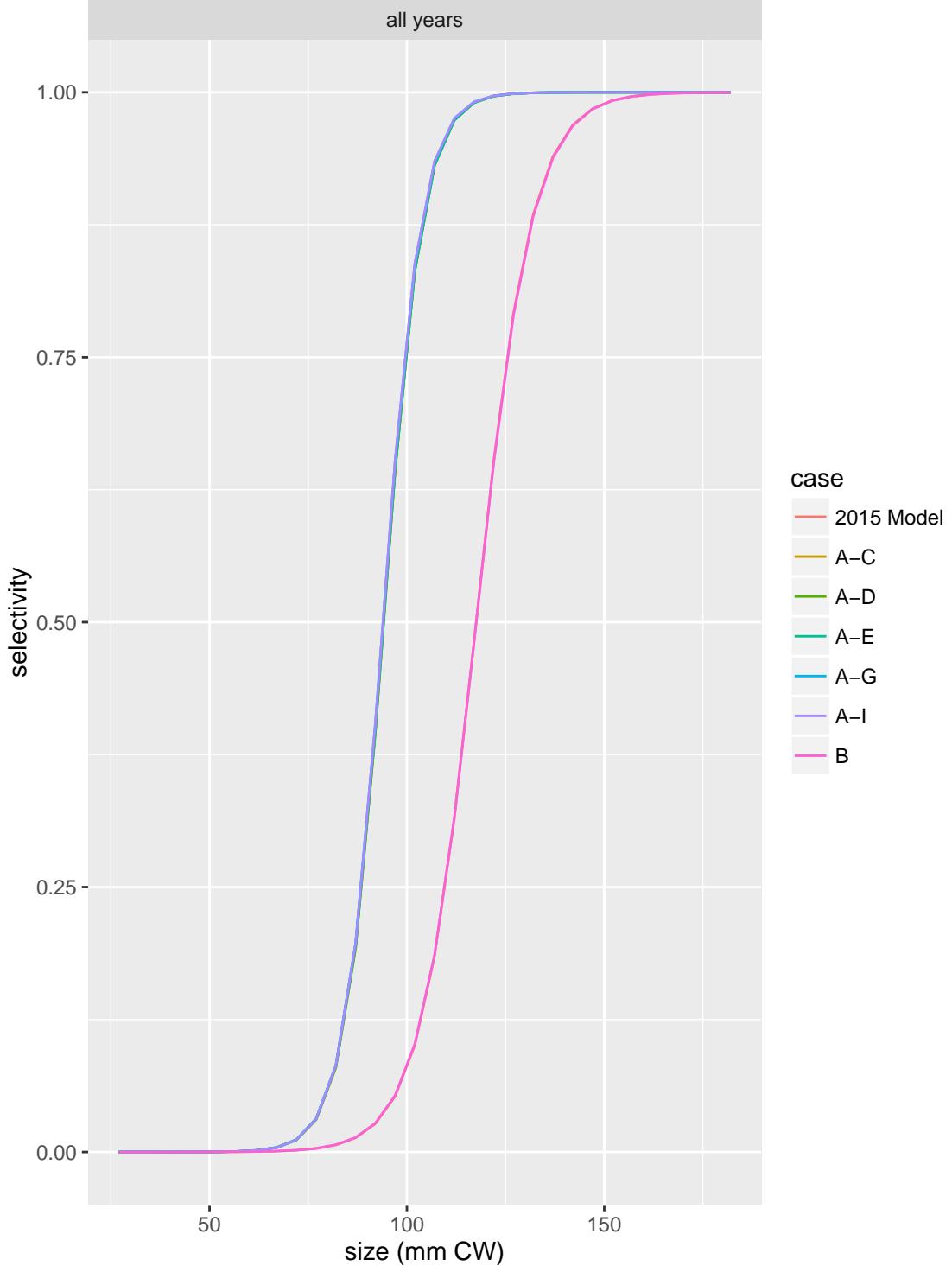


TCF: female selectivity



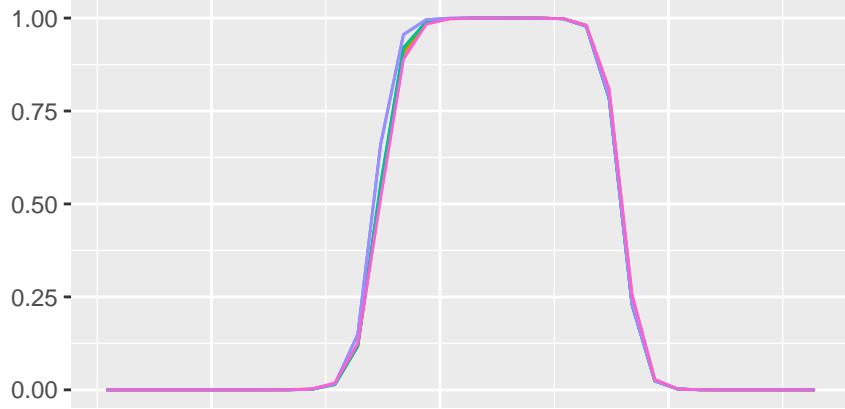
TCF: female selectivity (dodged)

all years

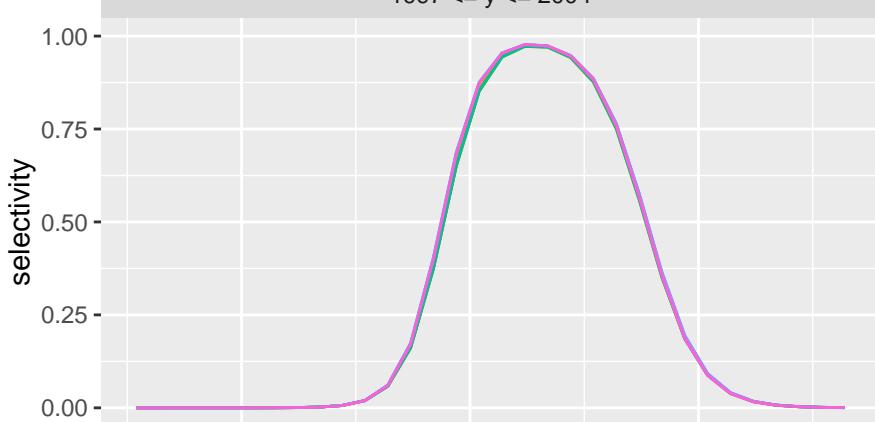


SCF: male selectivity

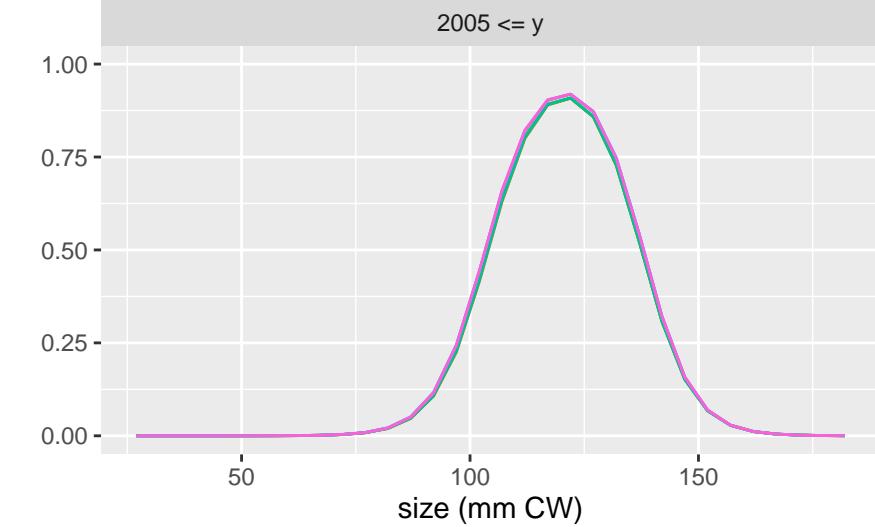
$y \leq 1996$



$1997 \leq y \leq 2004$



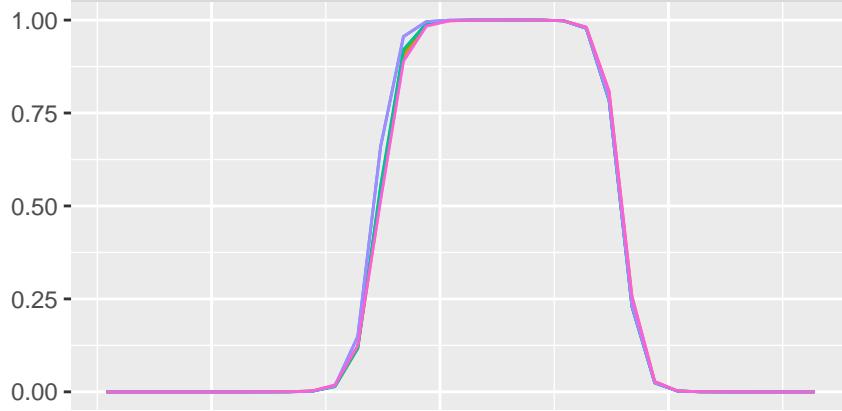
$2005 \leq y$



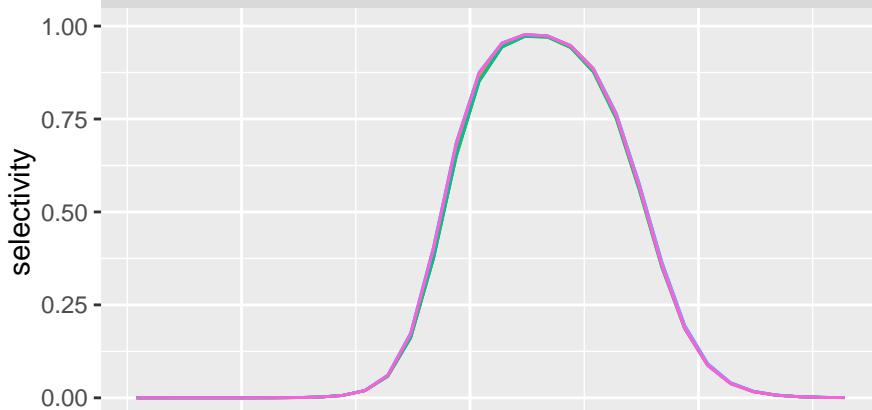
- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

SCF: male selectivity (dodged)

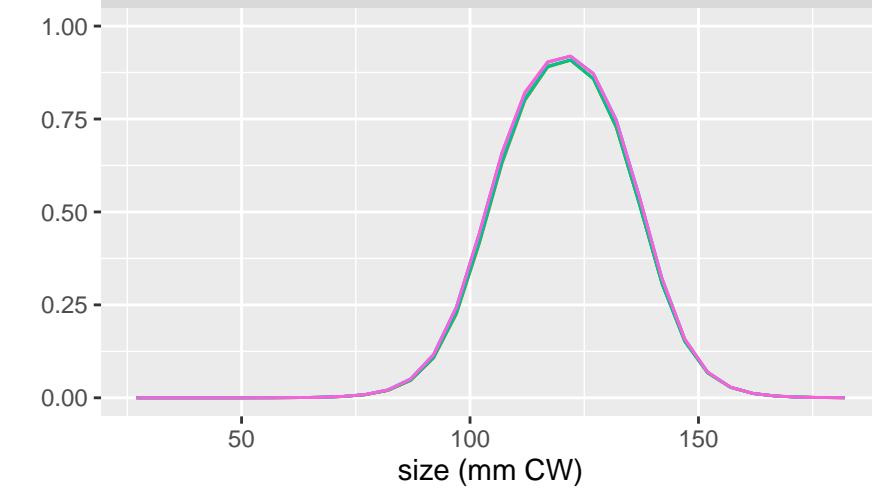
$y \leq 1996$



$1997 \leq y \leq 2004$



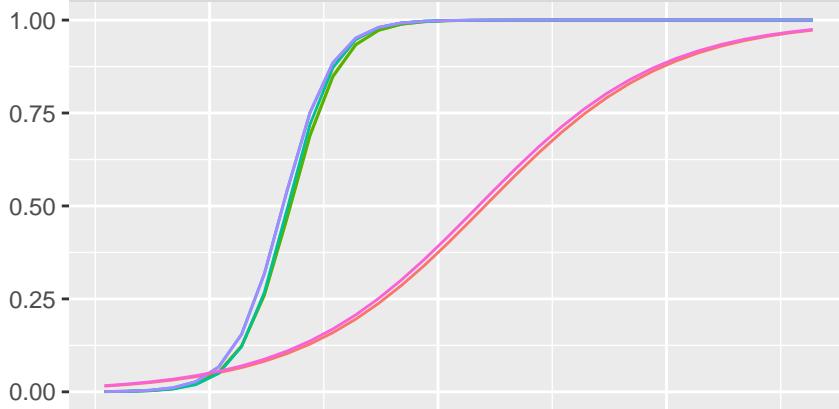
$2005 \leq y$



- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

SCF: female selectivity

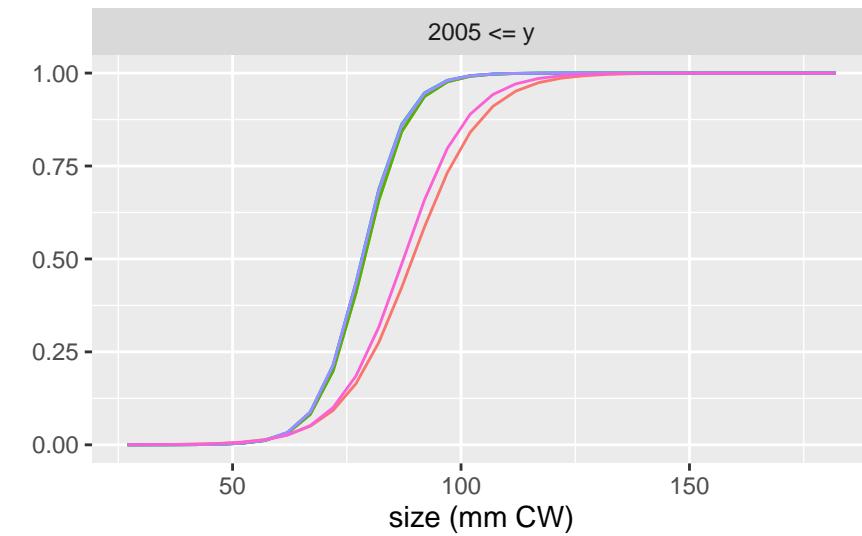
$y \leq 1996$



$1997 \leq y \leq 2004$

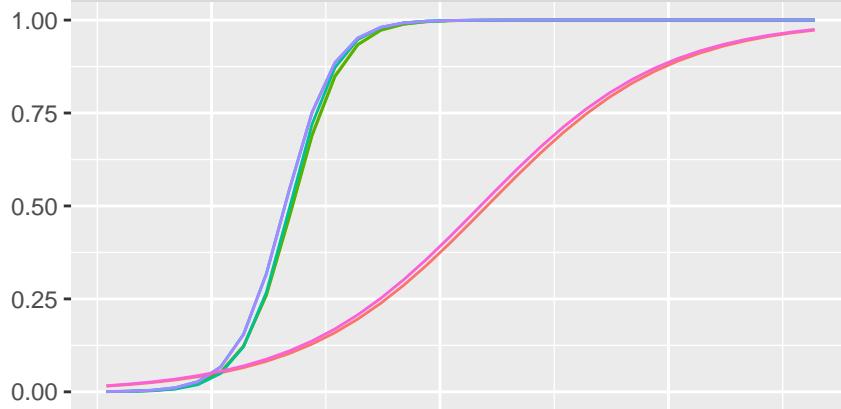
- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

$2005 \leq y$



SCF: female selectivity (dodged)

$y \leq 1996$



$1997 \leq y \leq 2004$

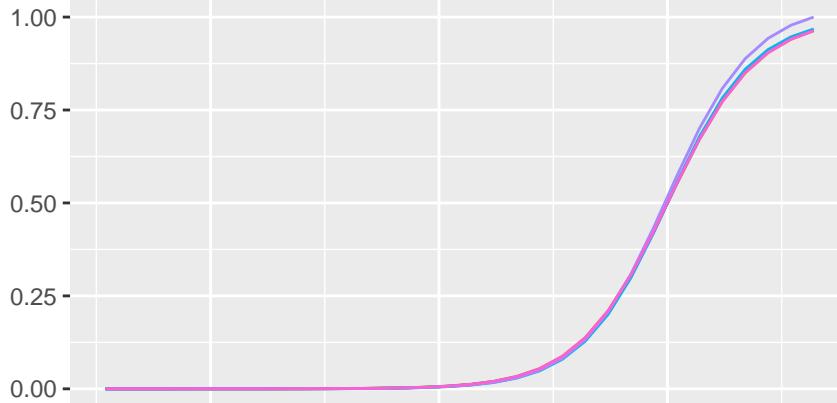
- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

$2005 \leq y$

size (mm CW)

RKF: male selectivity

$y \leq 1996$



$1997 \leq y \leq 2004$

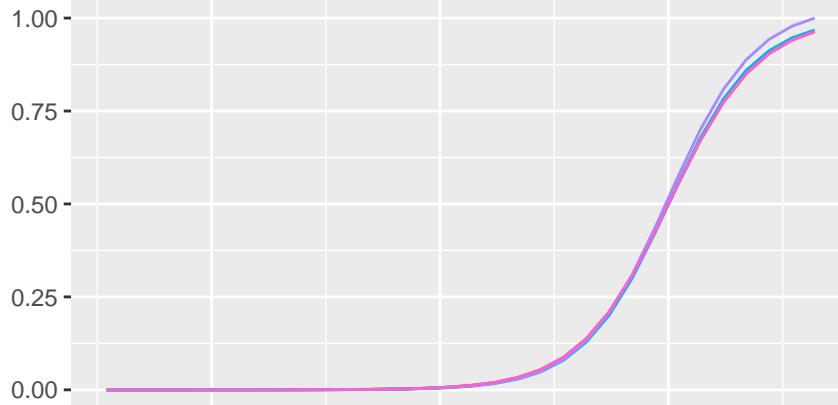
- case
- 2015 Model (red)
 - A-C (yellow)
 - A-D (green)
 - A-E (teal)
 - A-G (cyan)
 - A-I (purple)
 - B (magenta)

$2005 \leq y$

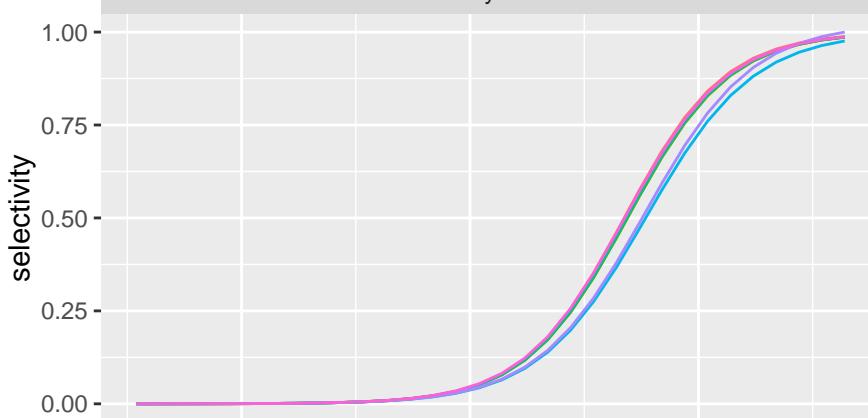
size (mm CW)

RKF: male selectivity (dodged)

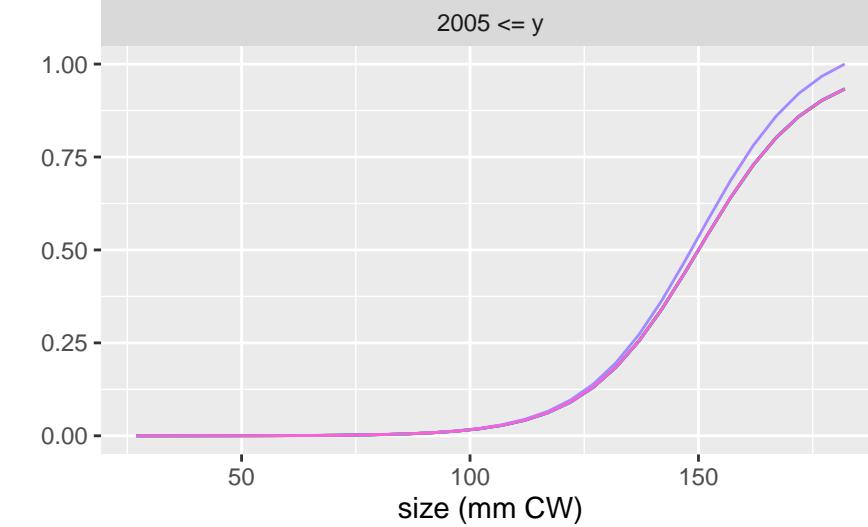
$y \leq 1996$



$1997 \leq y \leq 2004$



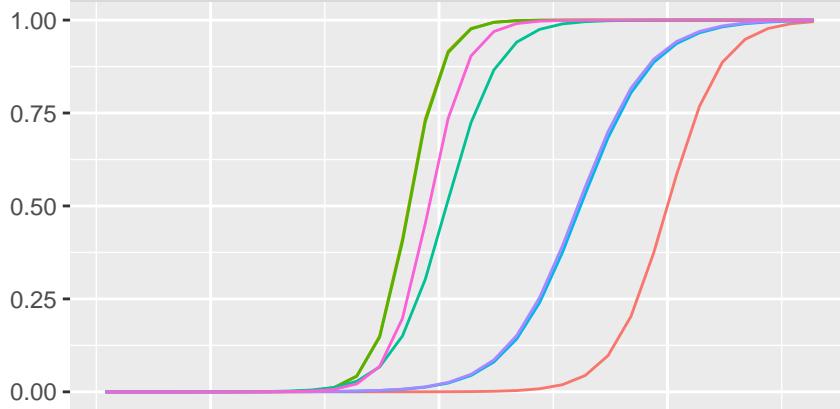
$2005 \leq y$



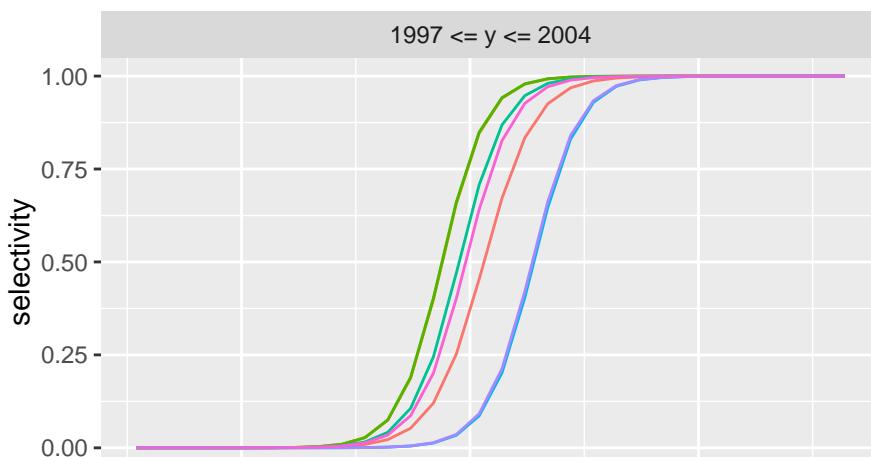
- case
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

RKF: female selectivity

$y \leq 1996$

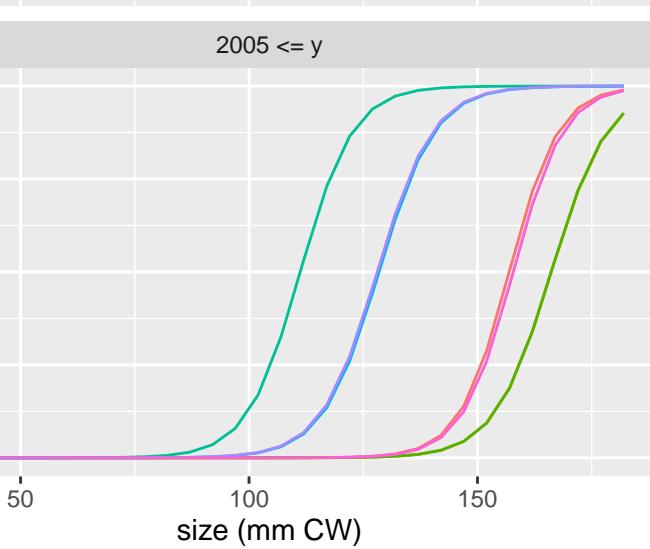


$1997 \leq y \leq 2004$



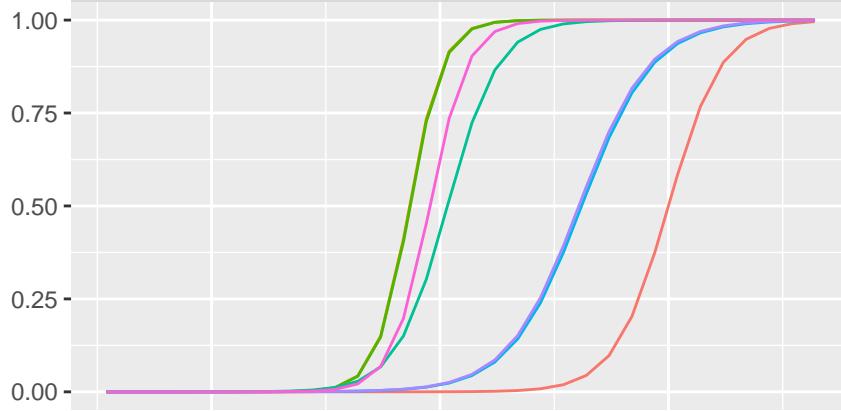
$2005 \leq y$

- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B



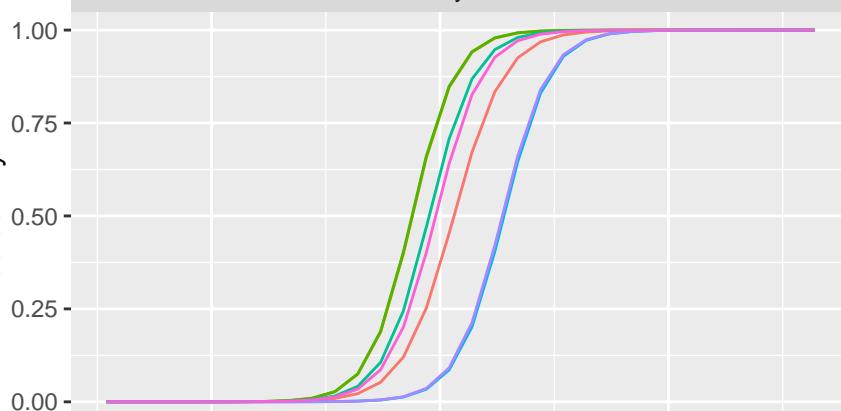
RKF: female selectivity (dodged)

$y \leq 1996$

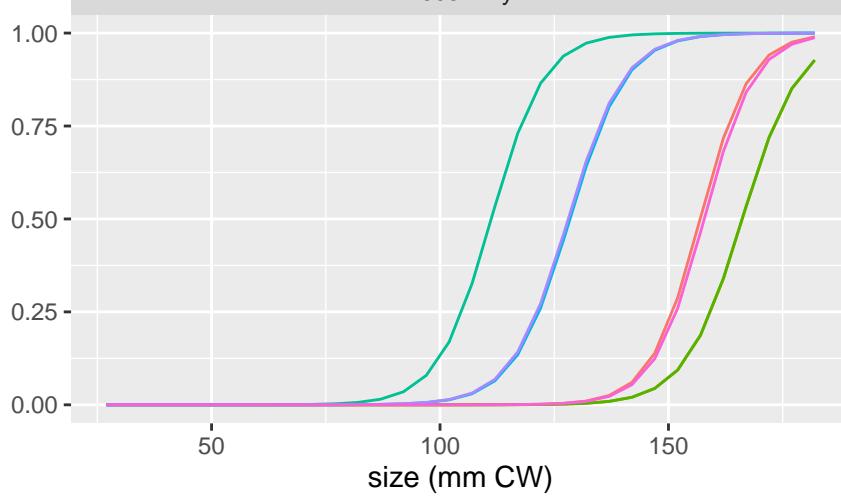


$1997 \leq y \leq 2004$

- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

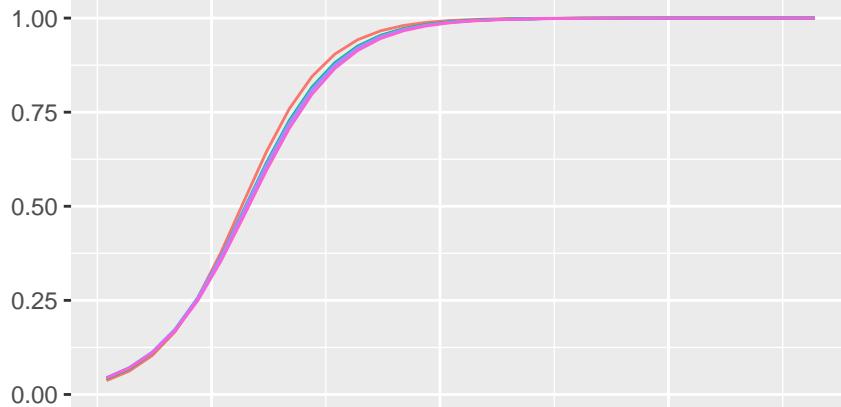


$2005 \leq y$

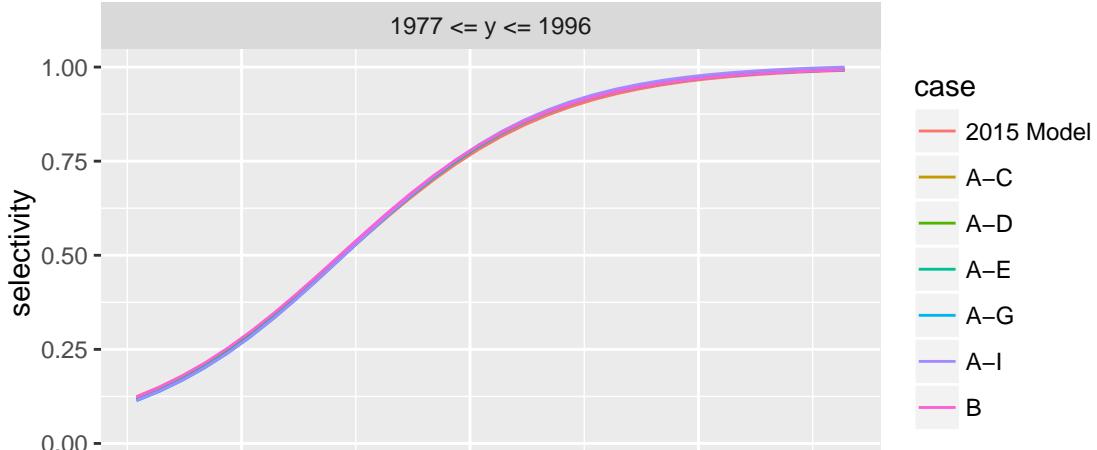


GTF: male selectivity

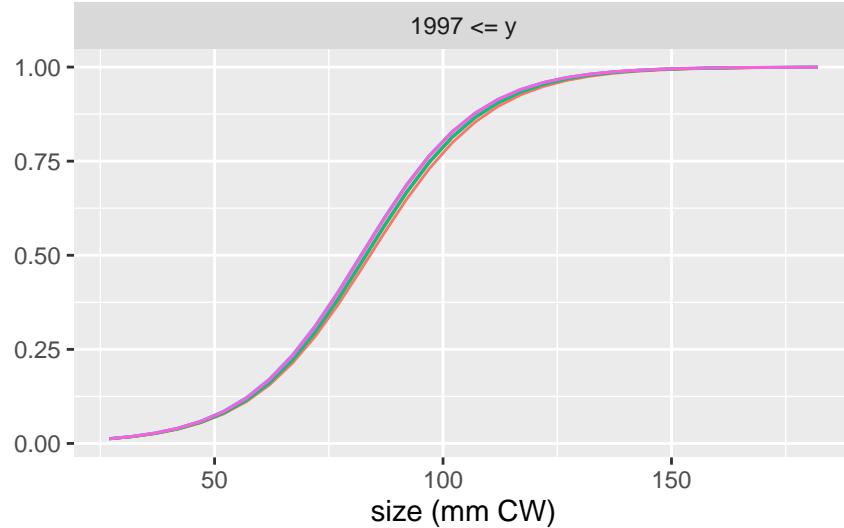
$y \leq 1986$



$1977 \leq y \leq 1996$



$1997 \leq y$

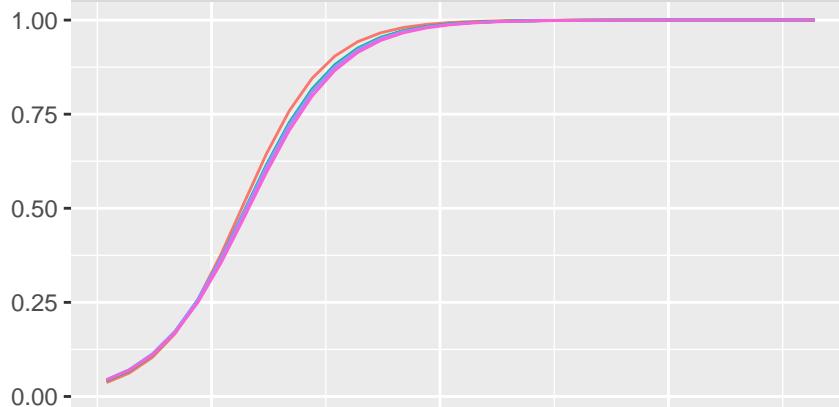


case

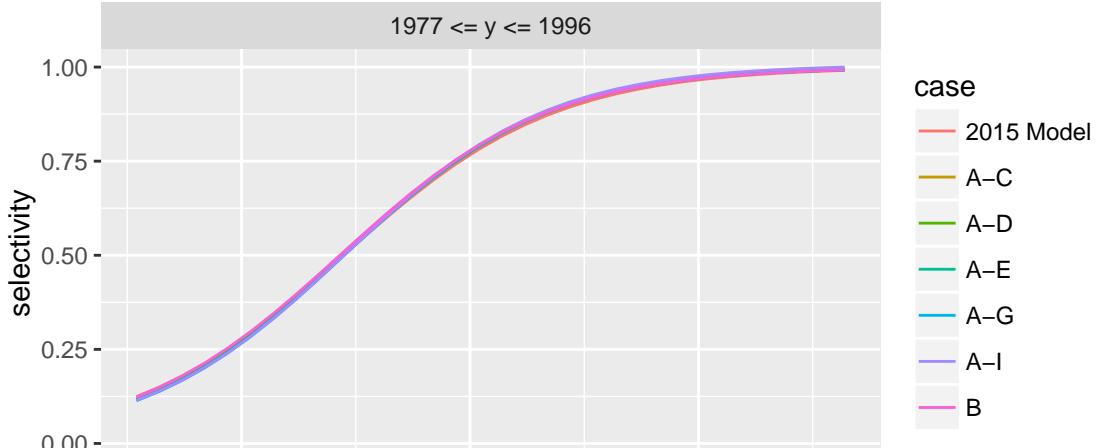
- 2015 Model
- A-C
- A-D
- A-E
- A-G
- A-I
- B

GTF: male selectivity (dodged)

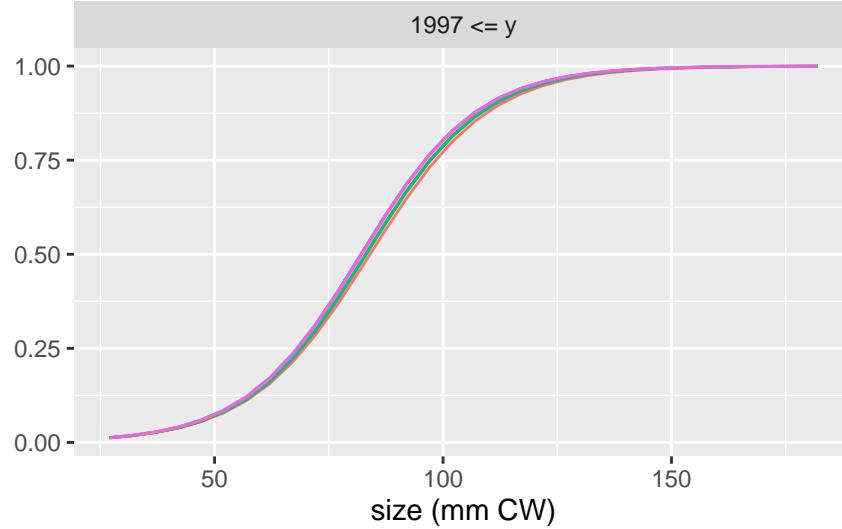
$y \leq 1986$



$1977 \leq y \leq 1996$



$1997 \leq y$

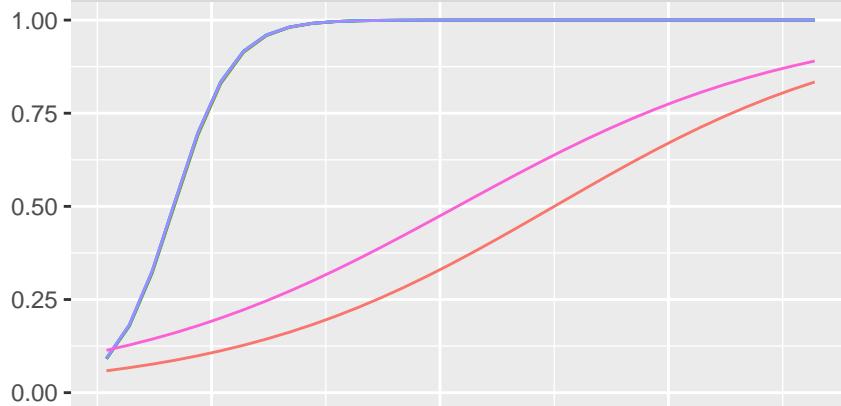


case

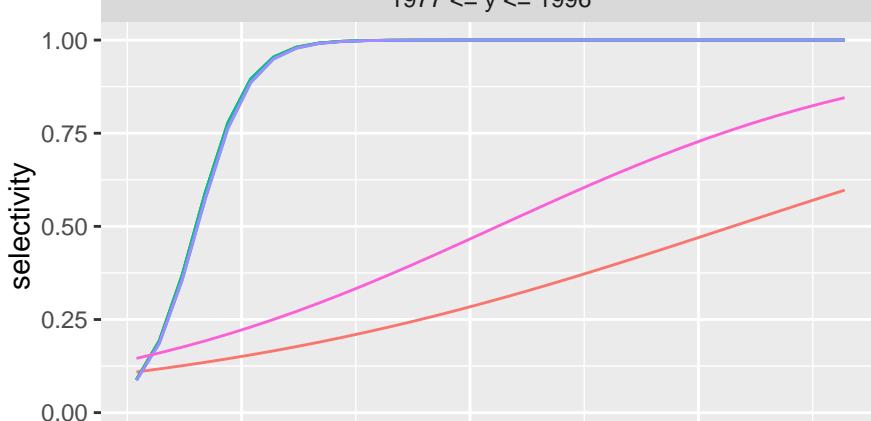
- 2015 Model
- A-C
- A-D
- A-E
- A-G
- A-I
- B

GTF: female selectivity

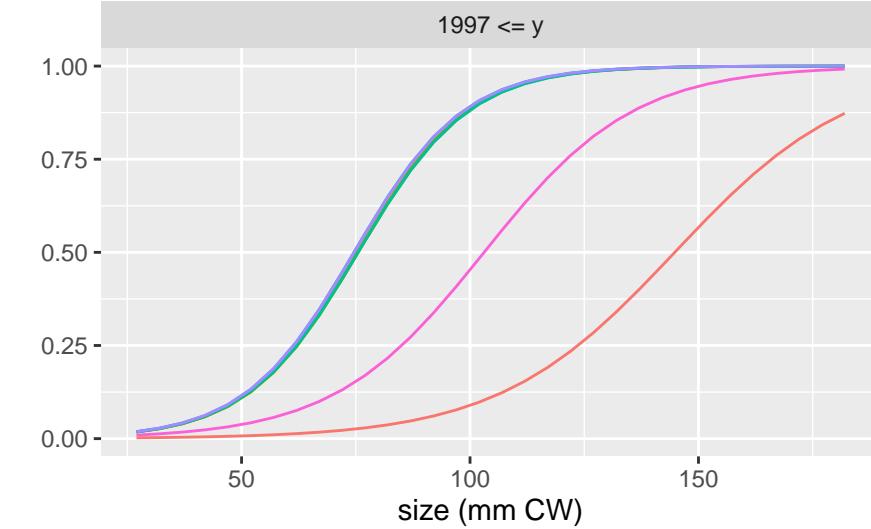
$y \leq 1986$



$1977 \leq y \leq 1996$



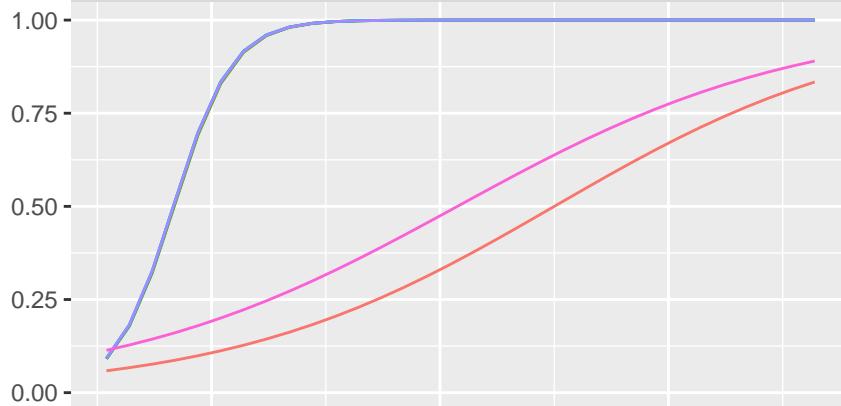
$1997 \leq y$



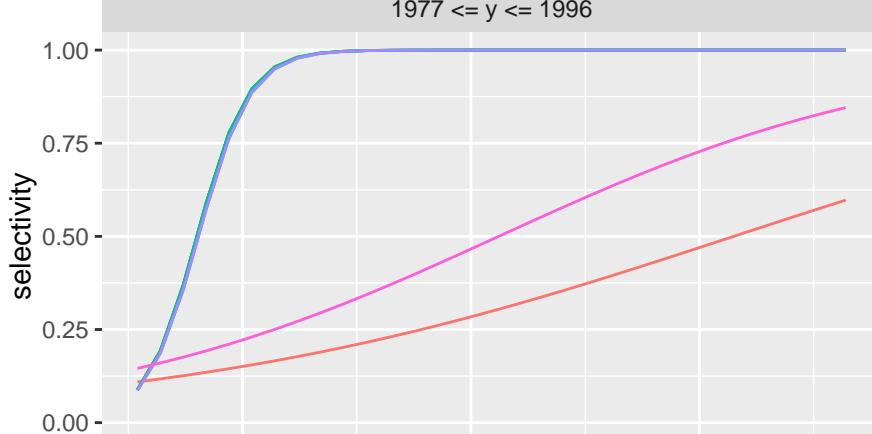
- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

GTF: female selectivity (dodged)

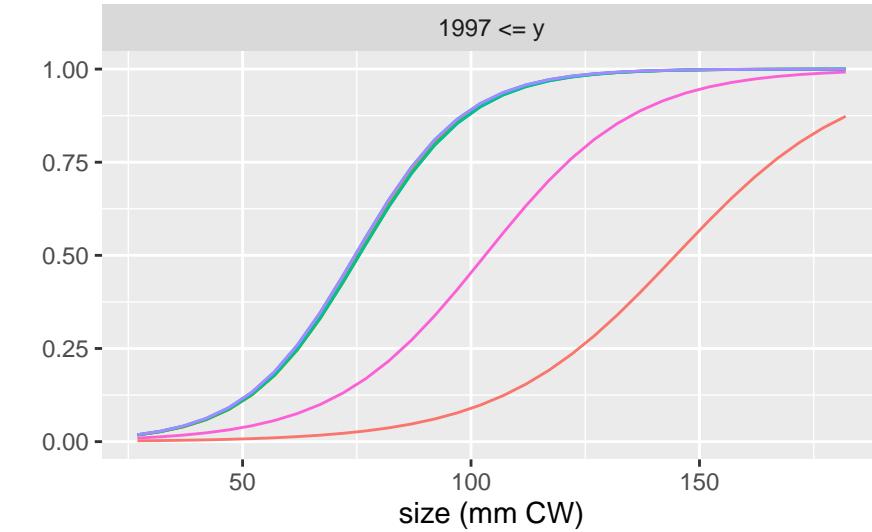
$y \leq 1986$



$1977 \leq y \leq 1996$



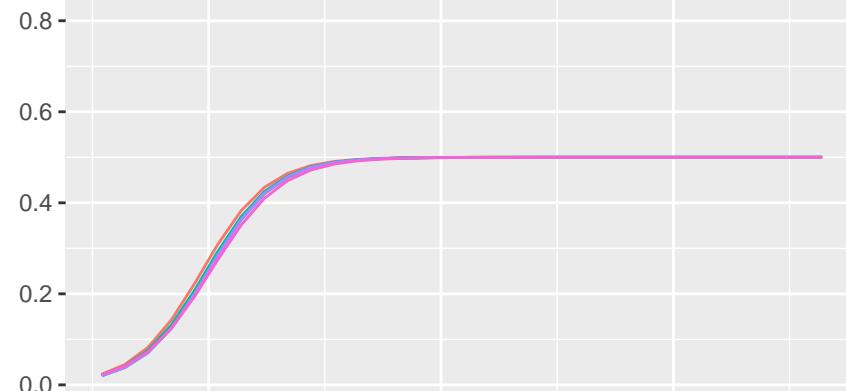
$1997 \leq y$



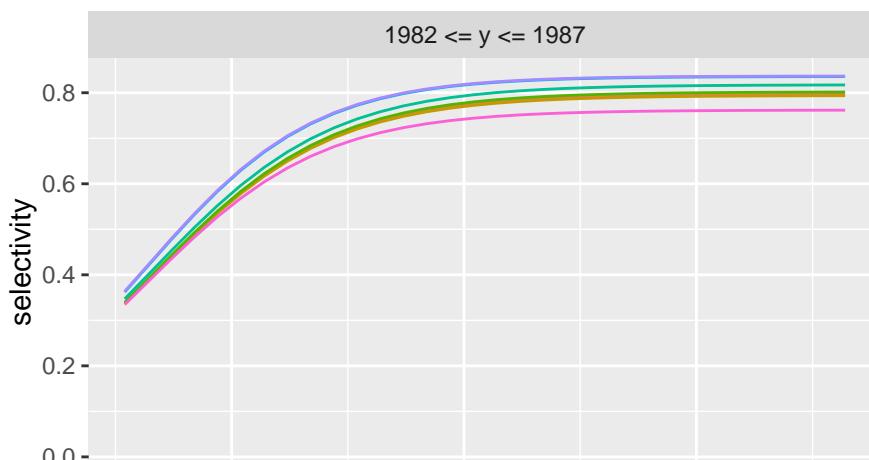
- case**
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

NMFS trawl survey: male selectivity

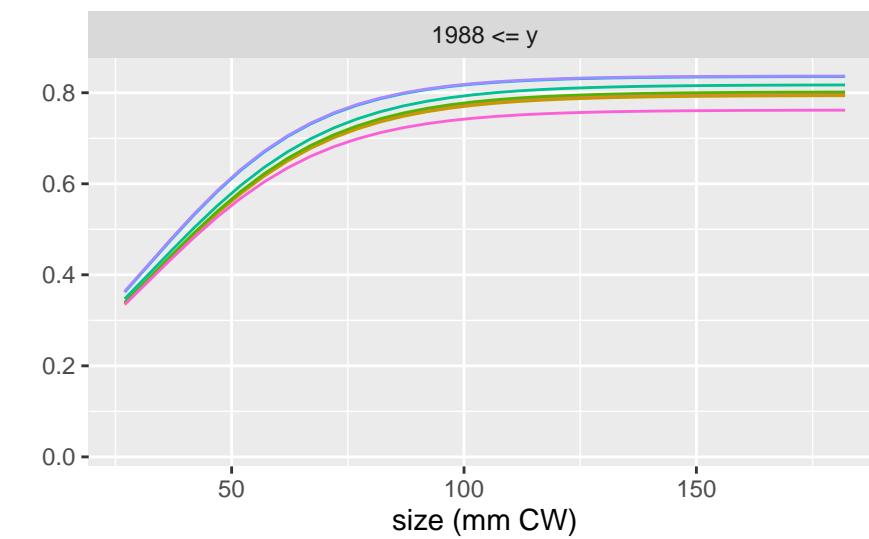
1974 <= y <= 1981



1982 <= y <= 1987



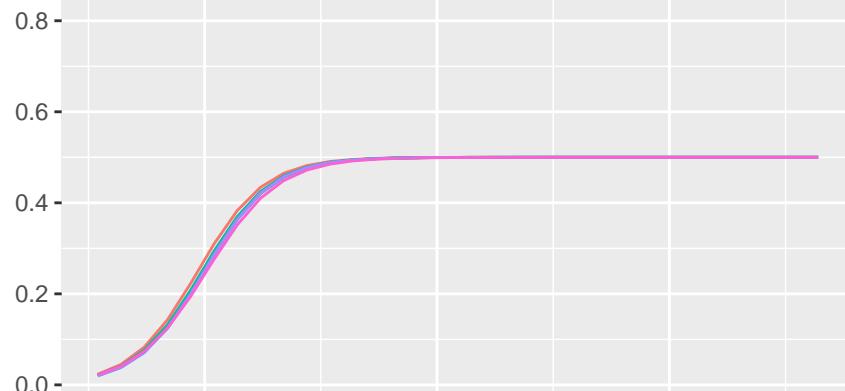
1988 <= y



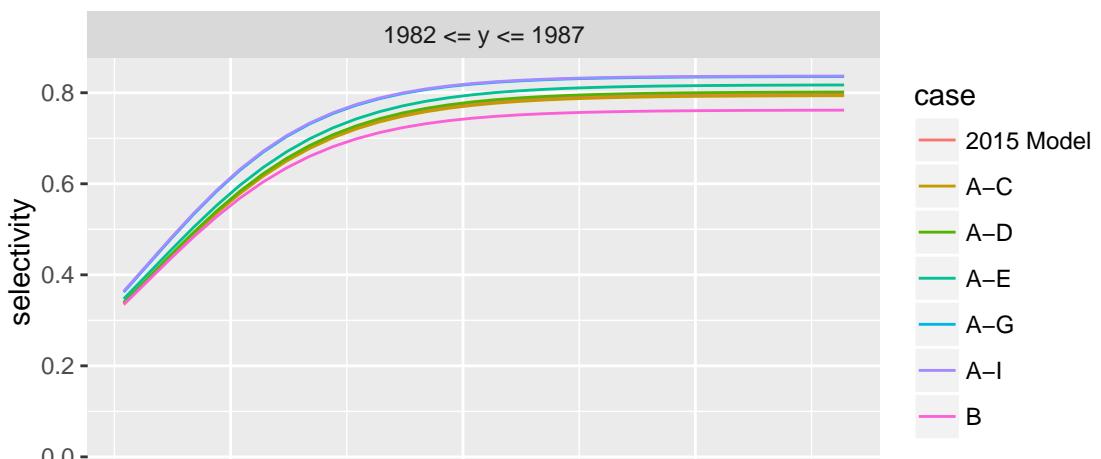
- case
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

NMFS trawl survey: male selectivity (dodged)

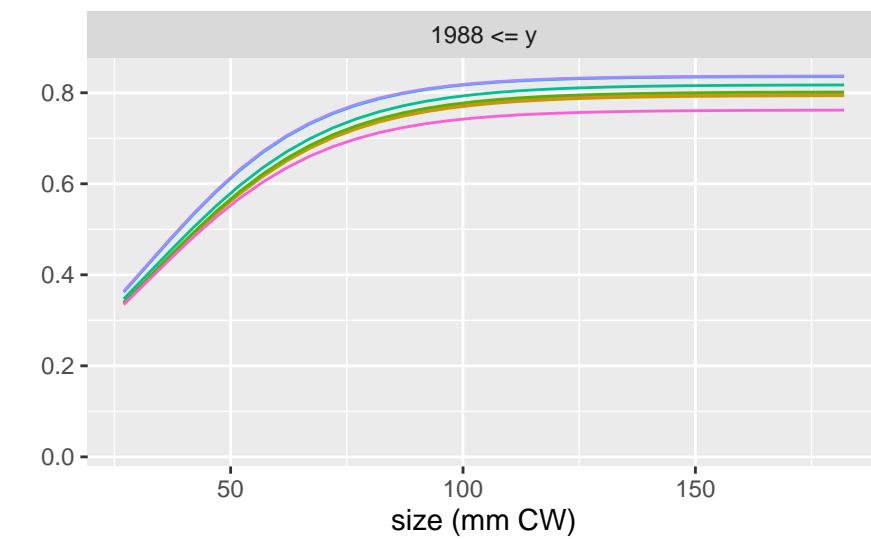
1974 <= y <= 1981



1982 <= y <= 1987



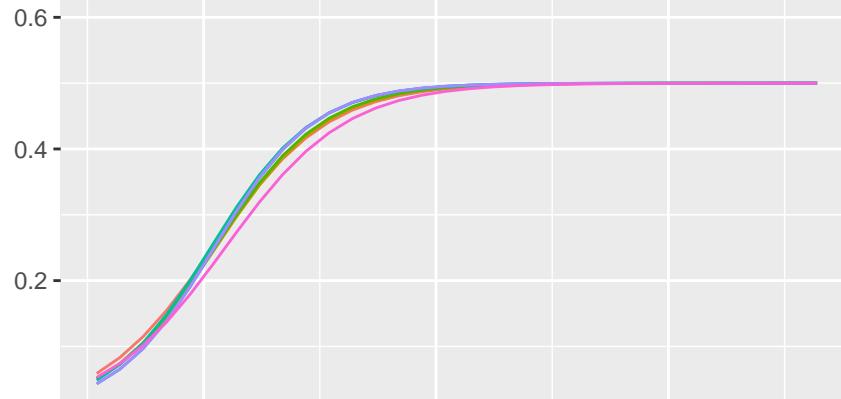
1988 <= y



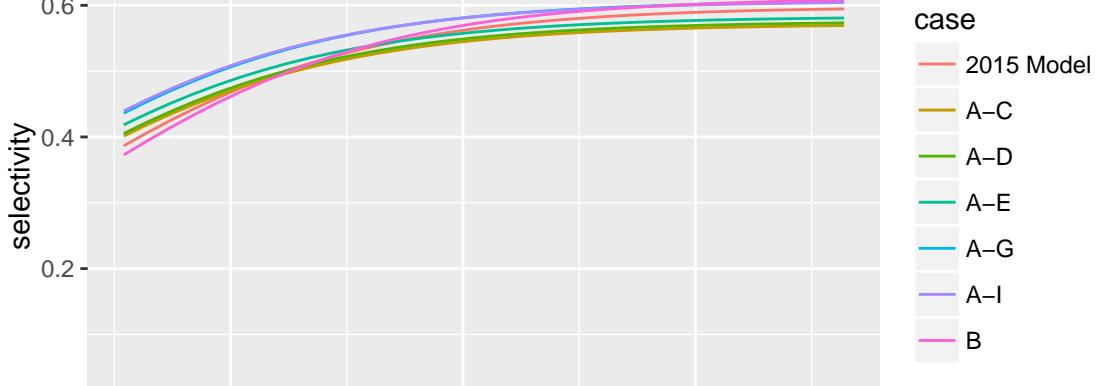
- case
- 2015 Model
 - A-C
 - A-D
 - A-E
 - A-G
 - A-I
 - B

NMFS trawl survey: female selectivity

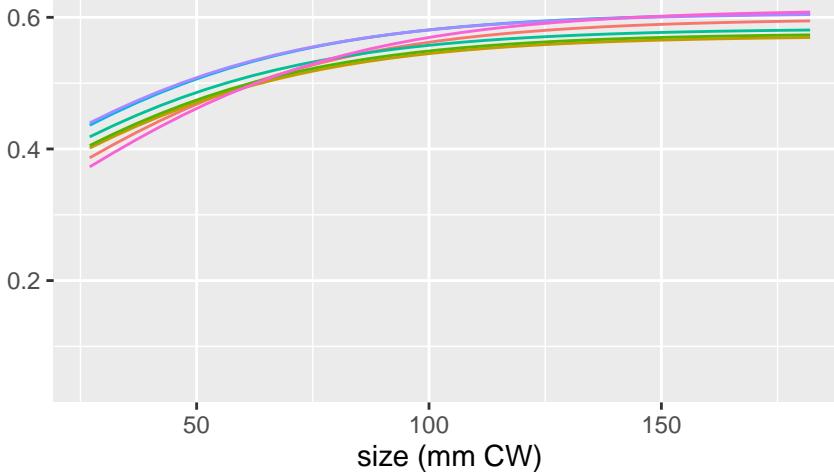
1974 <= y <= 1981



1982 <= y <= 1987

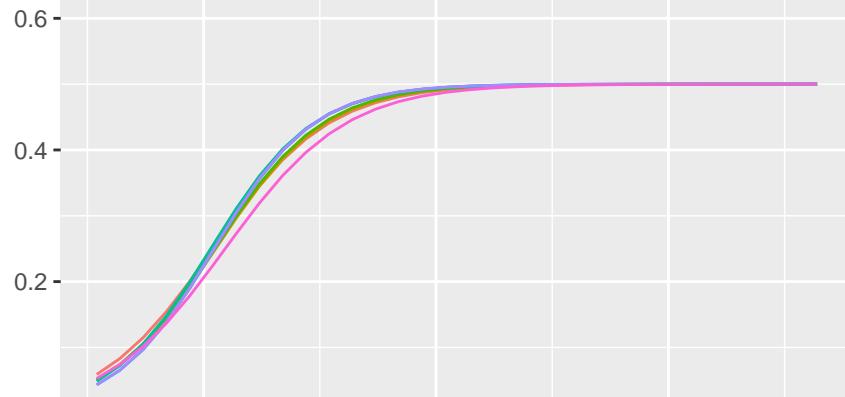


1988 <= y

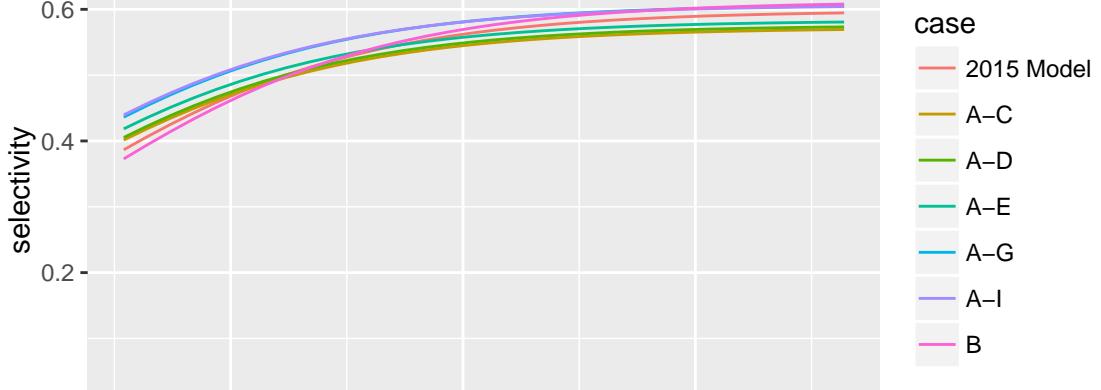


NMFS trawl survey: female selectivity (dodged)

1974 <= y <= 1981



1982 <= y <= 1987



1988 <= y

