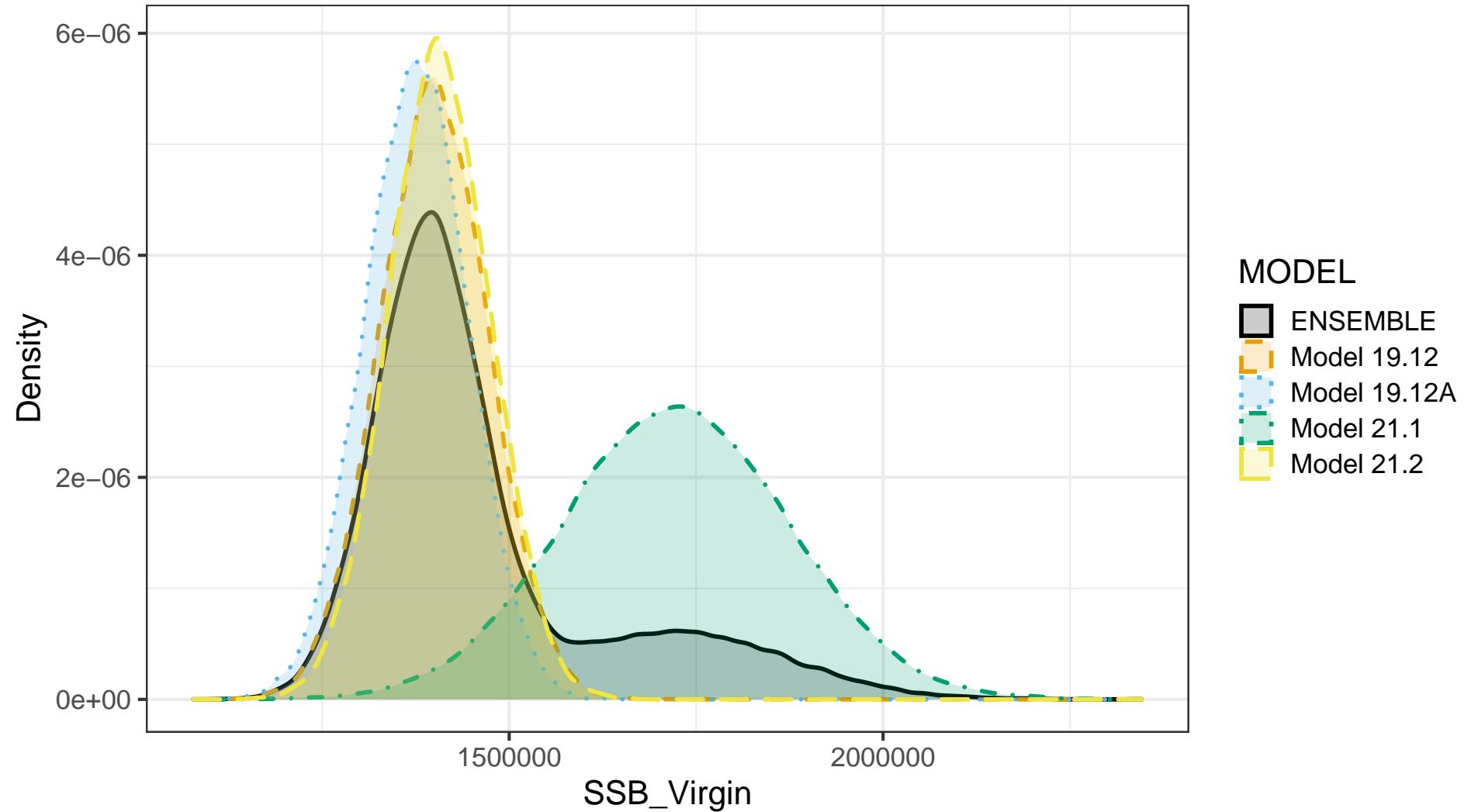
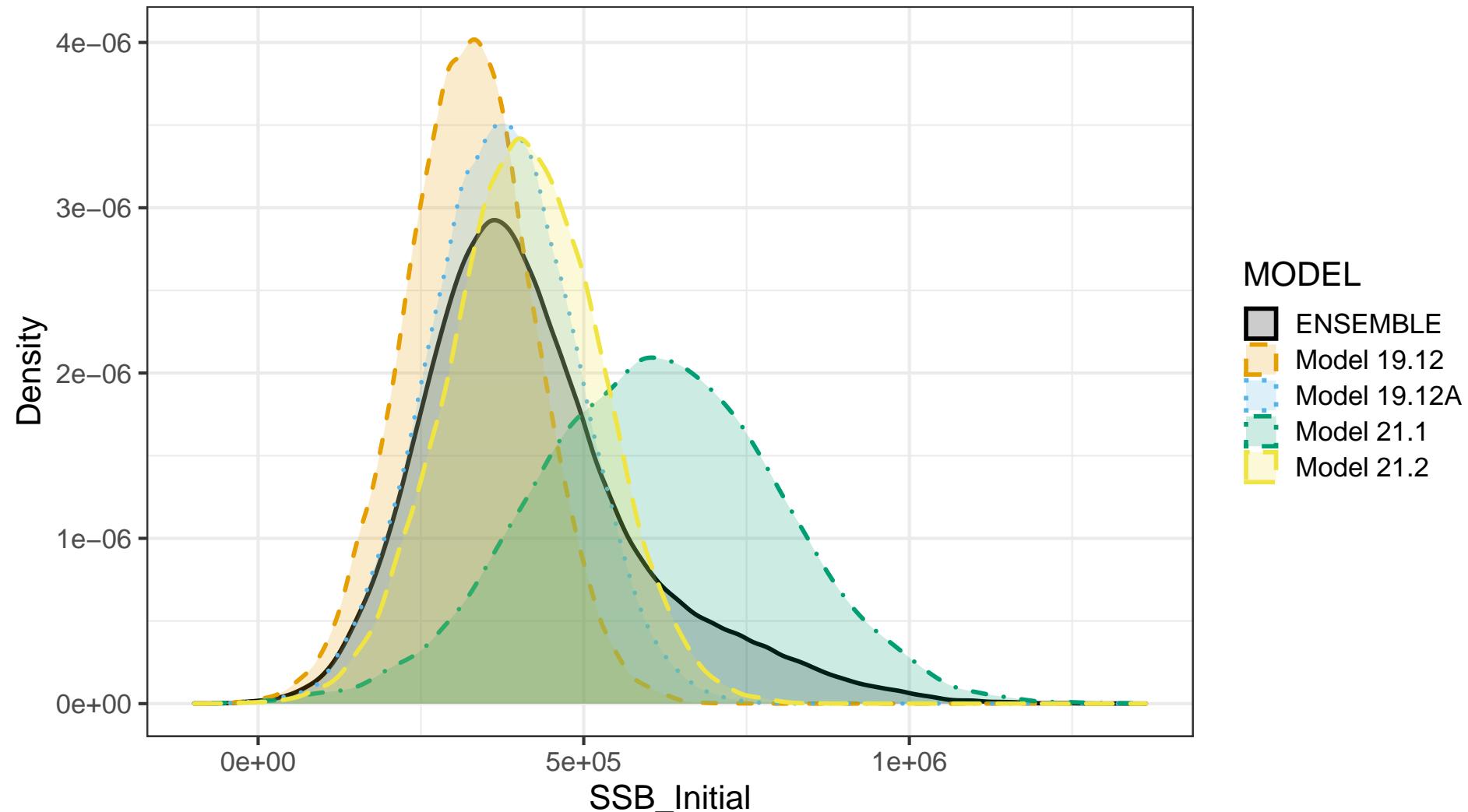


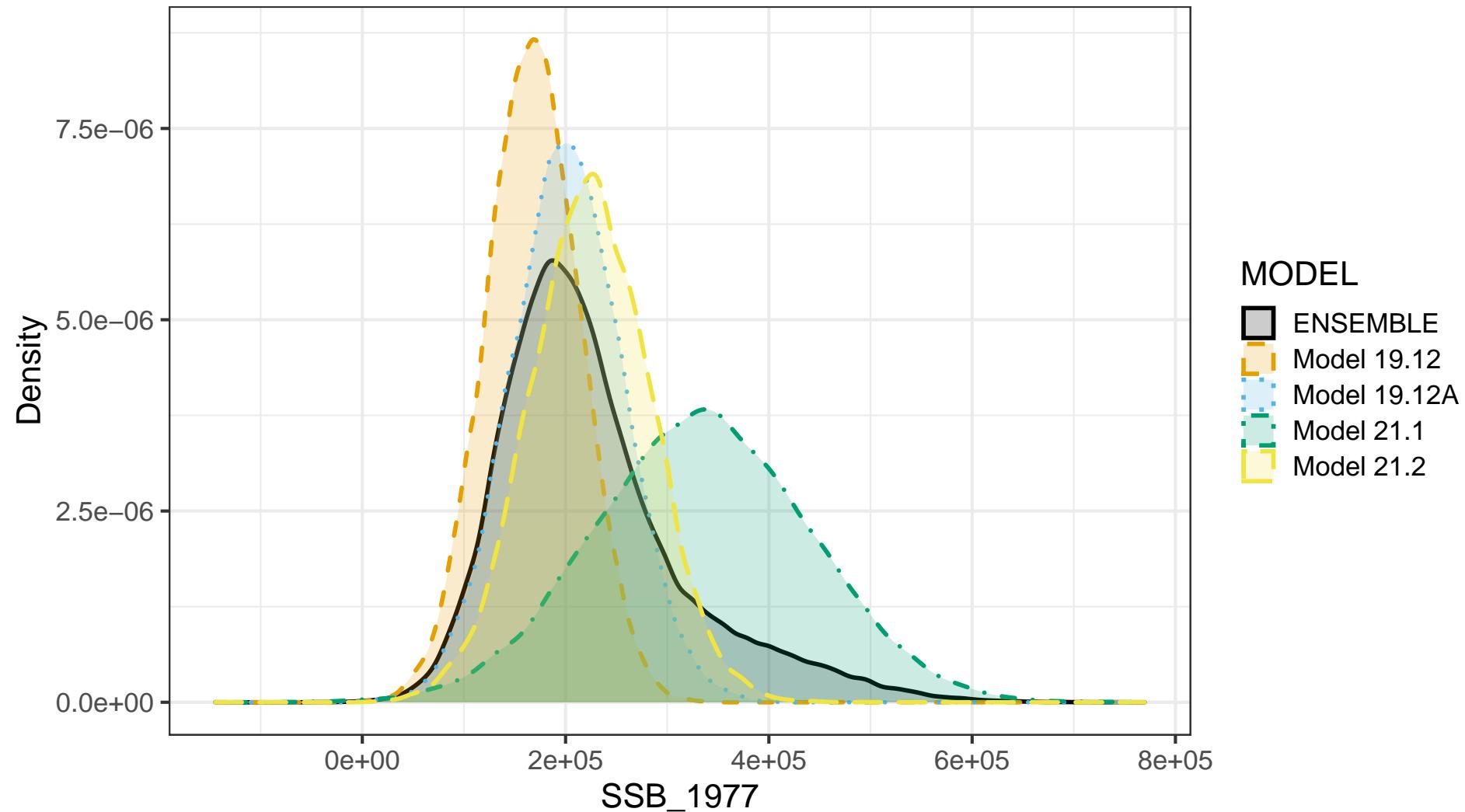
# SSB\_Virgin



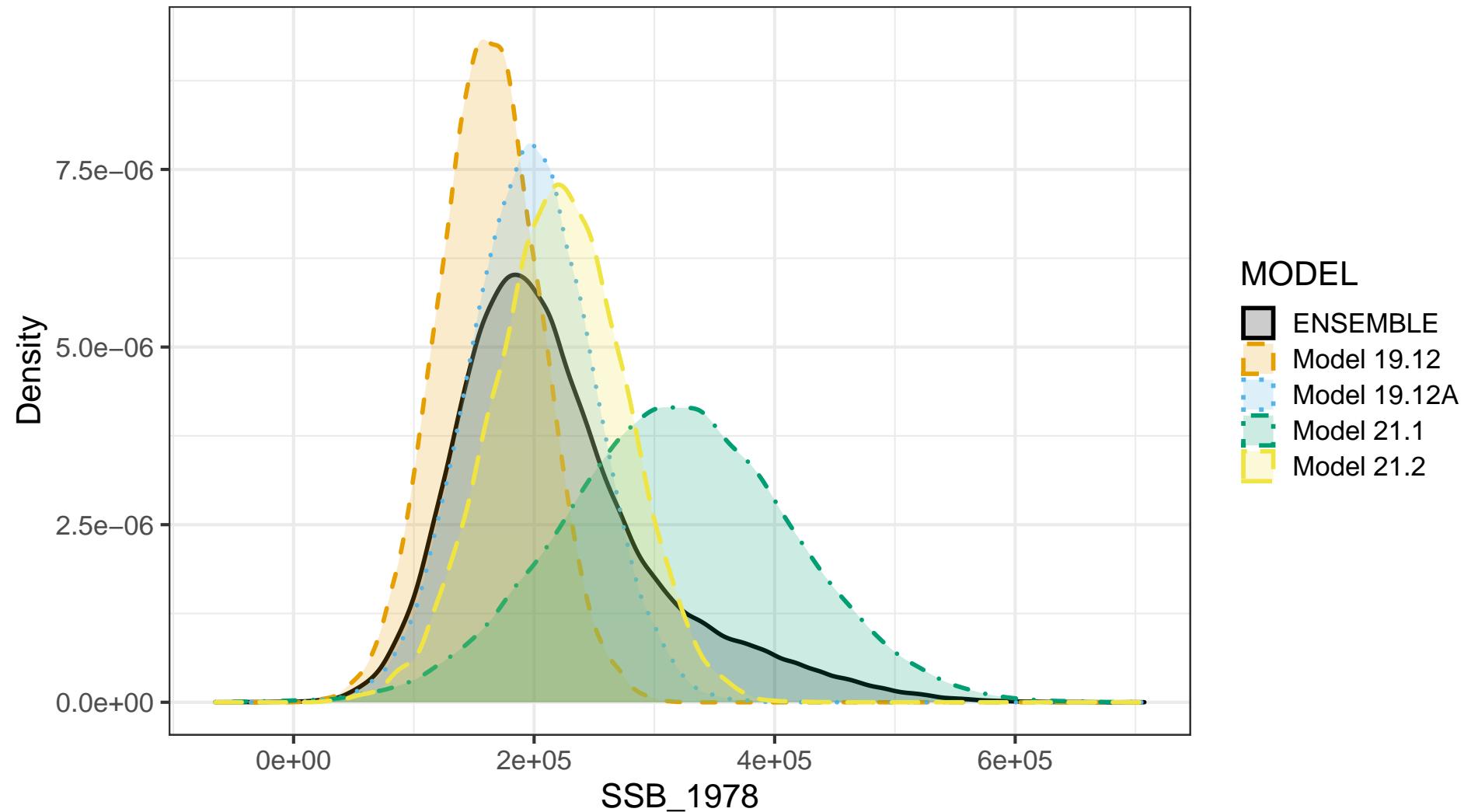
# SSB\_Initial



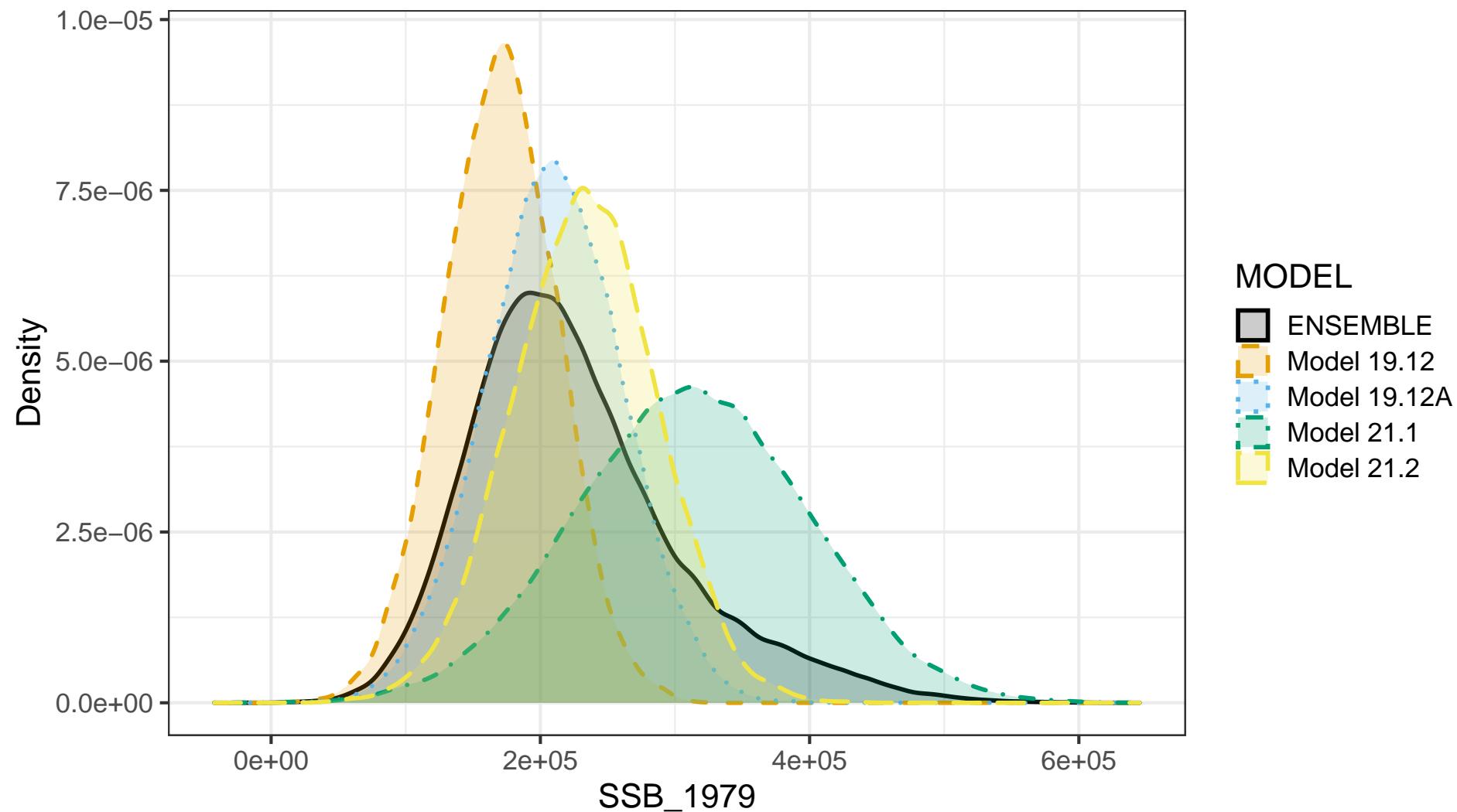
# SSB\_1977



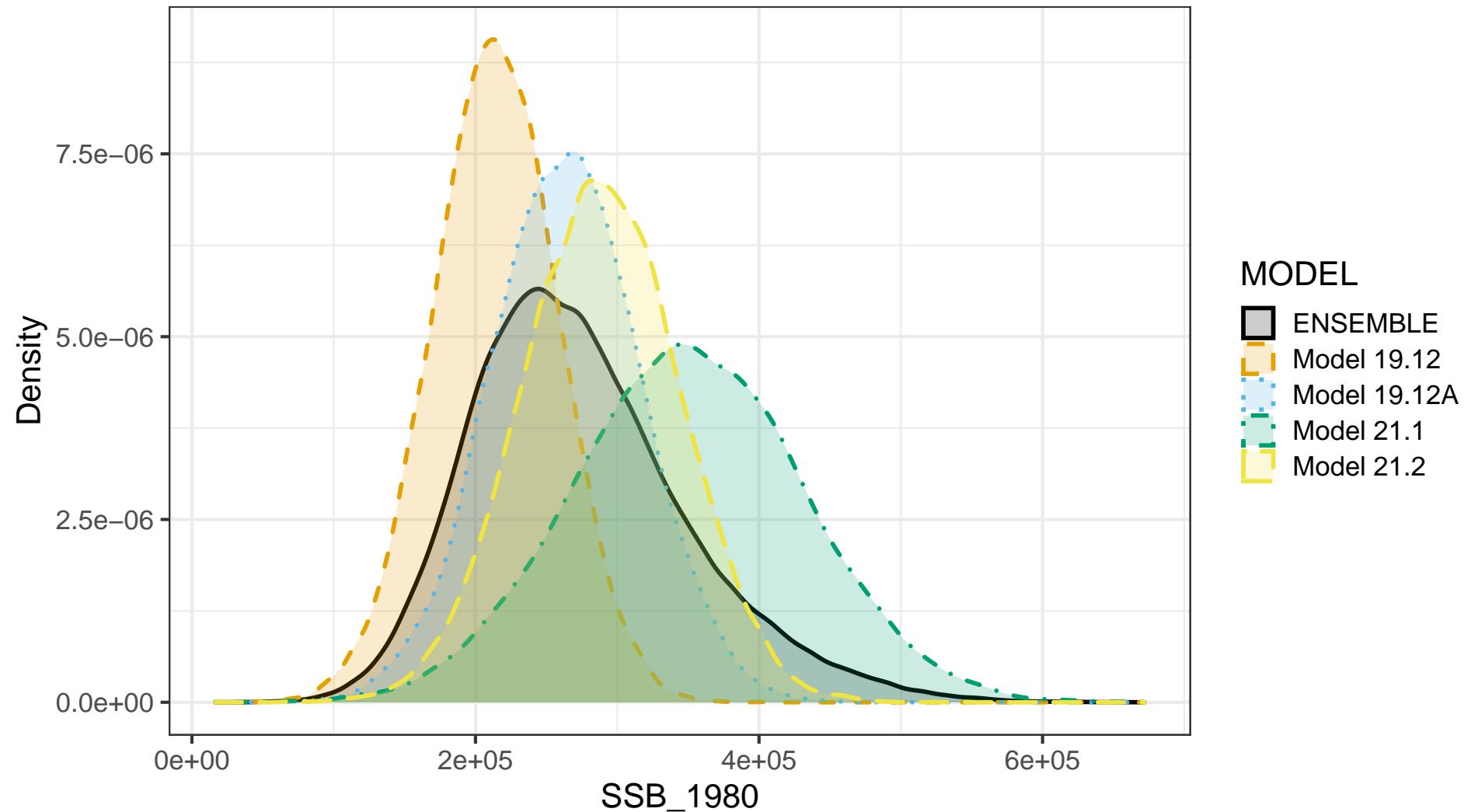
# SSB\_1978



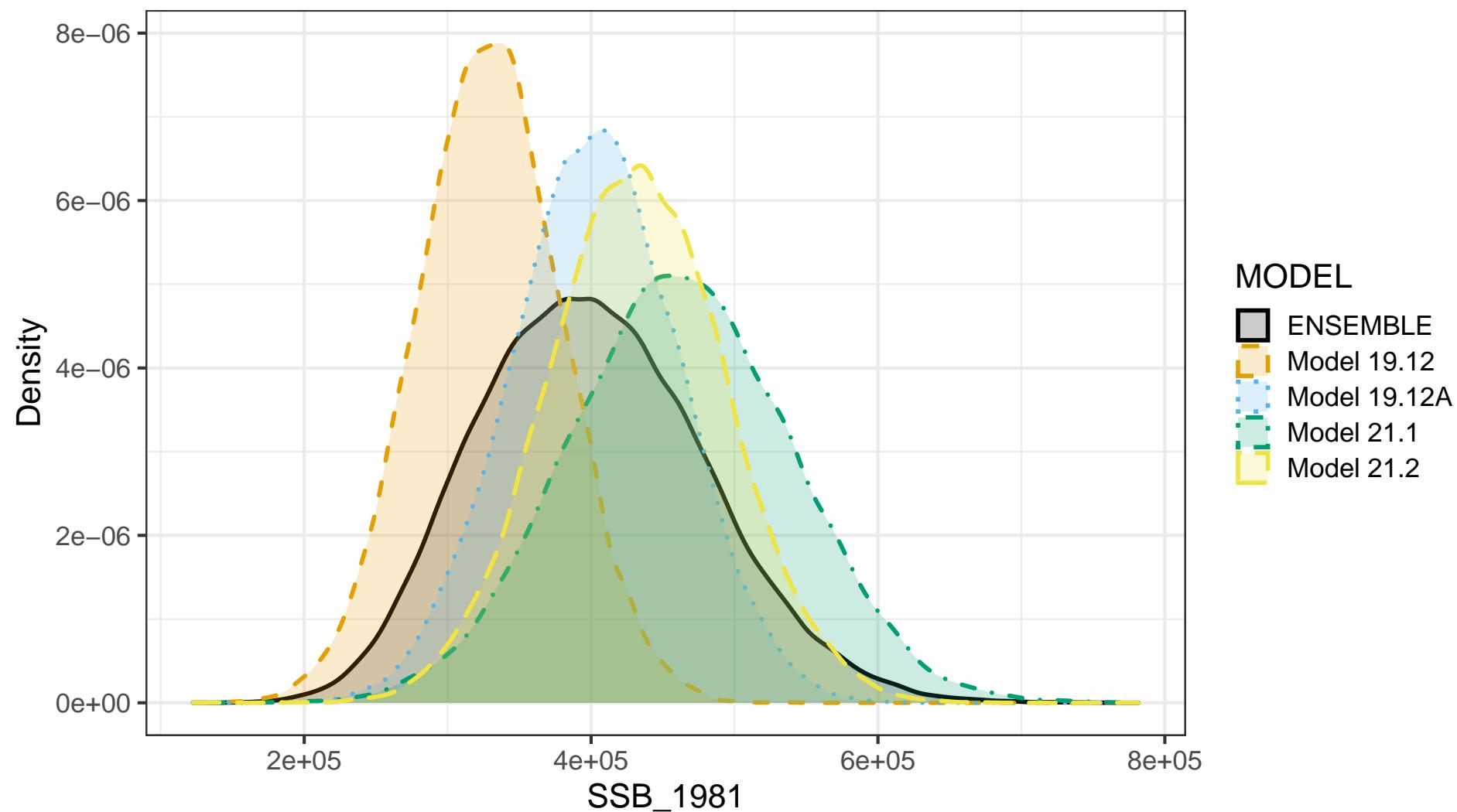
# SSB\_1979



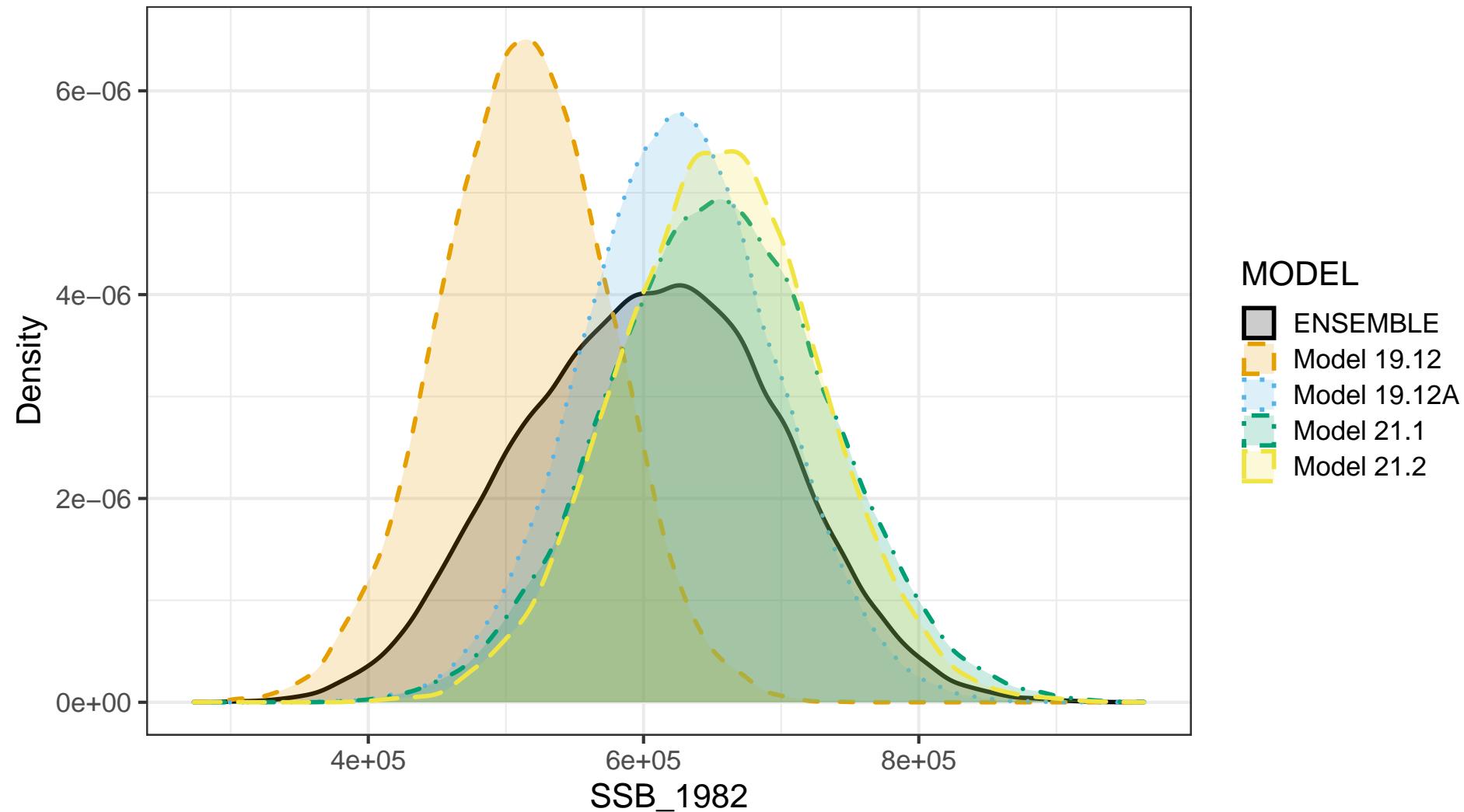
# SSB\_1980



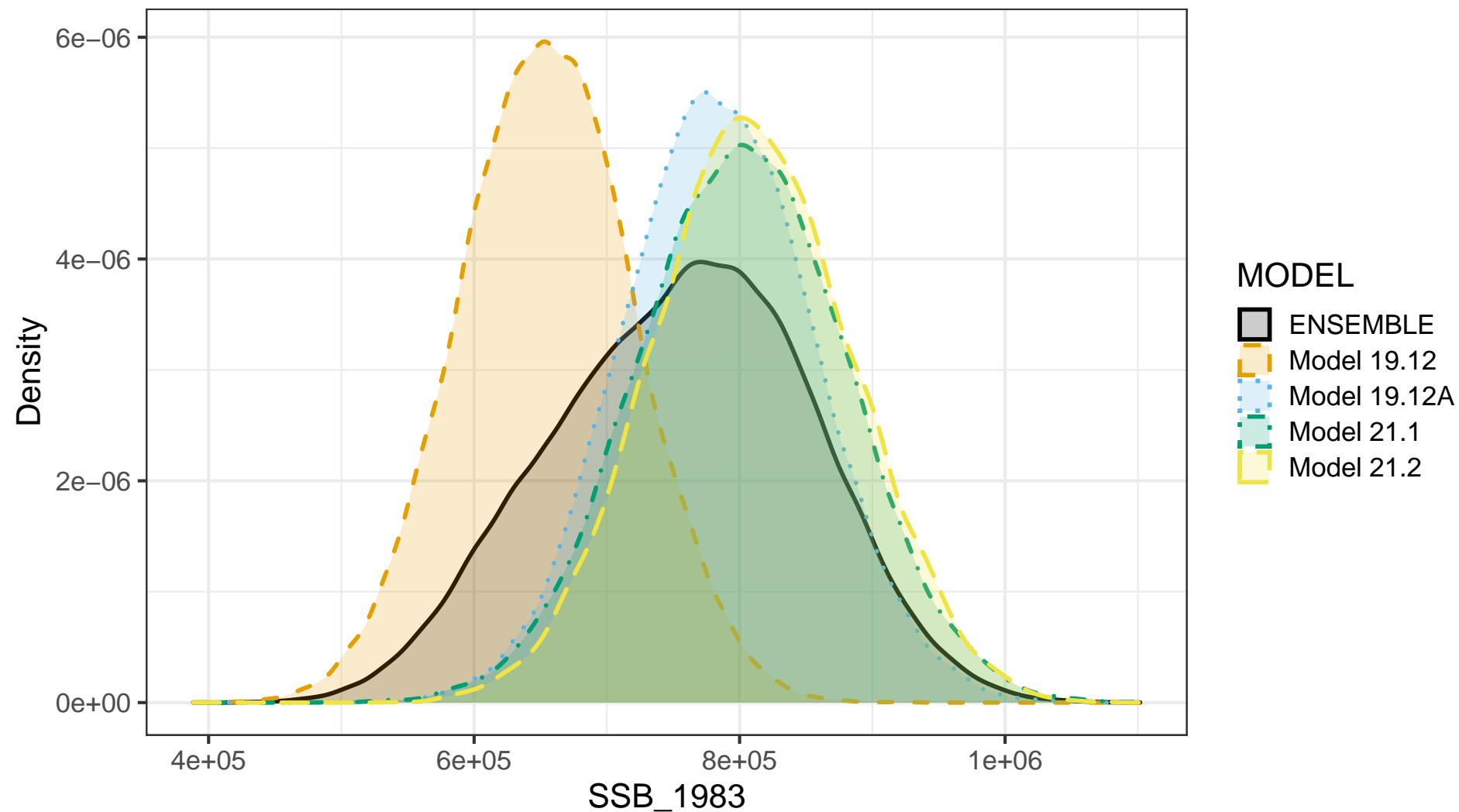
# SSB\_1981



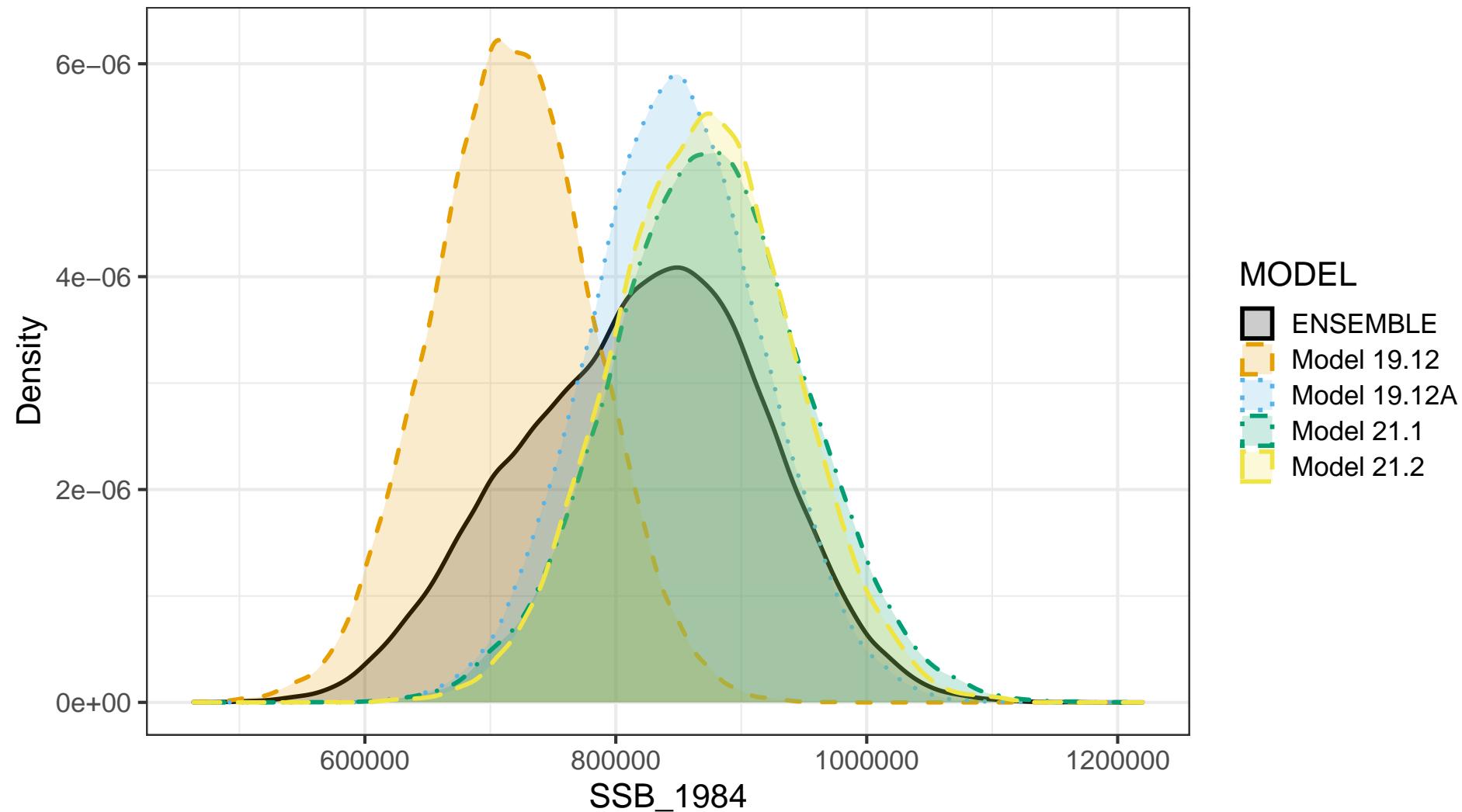
# SSB\_1982



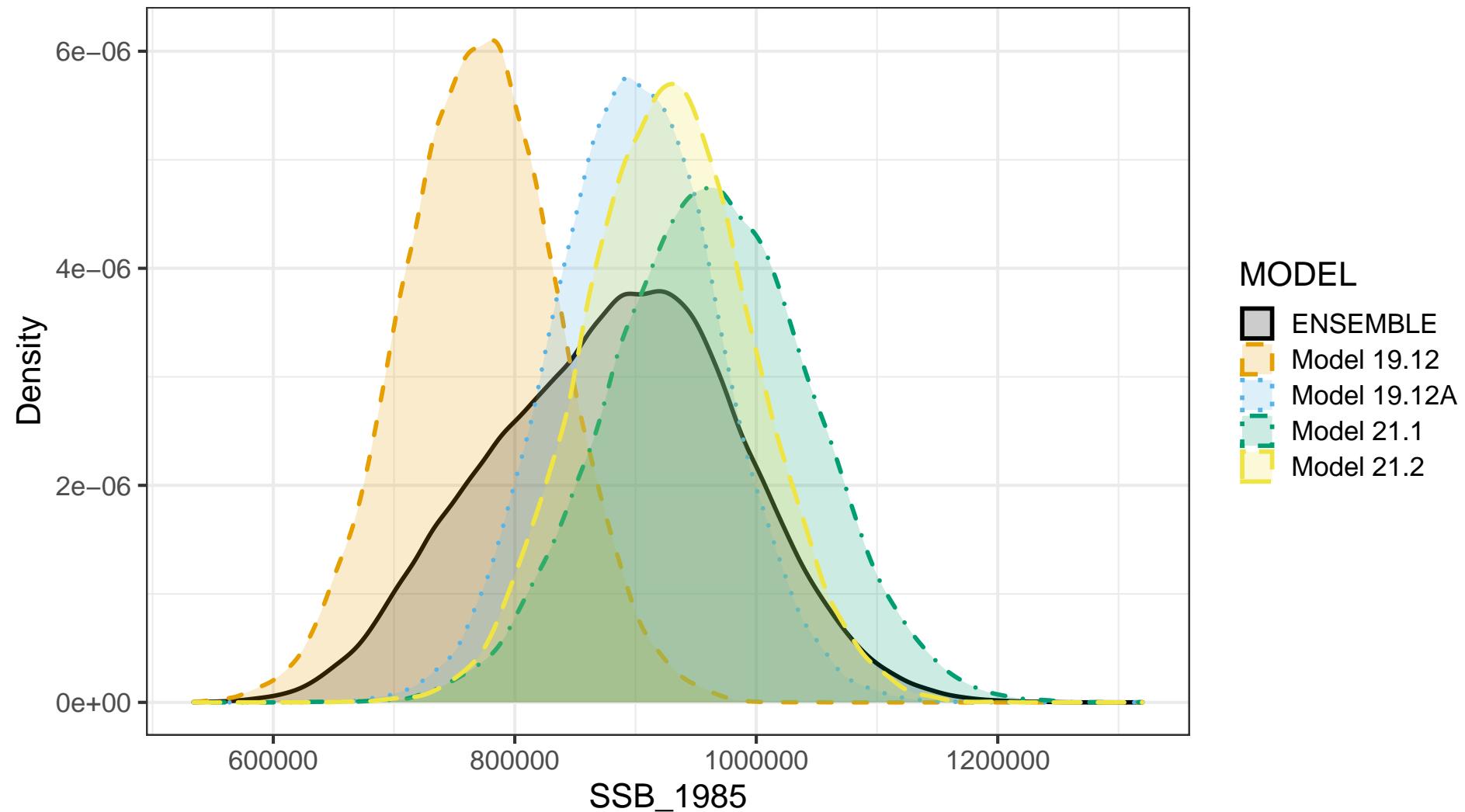
# SSB\_1983



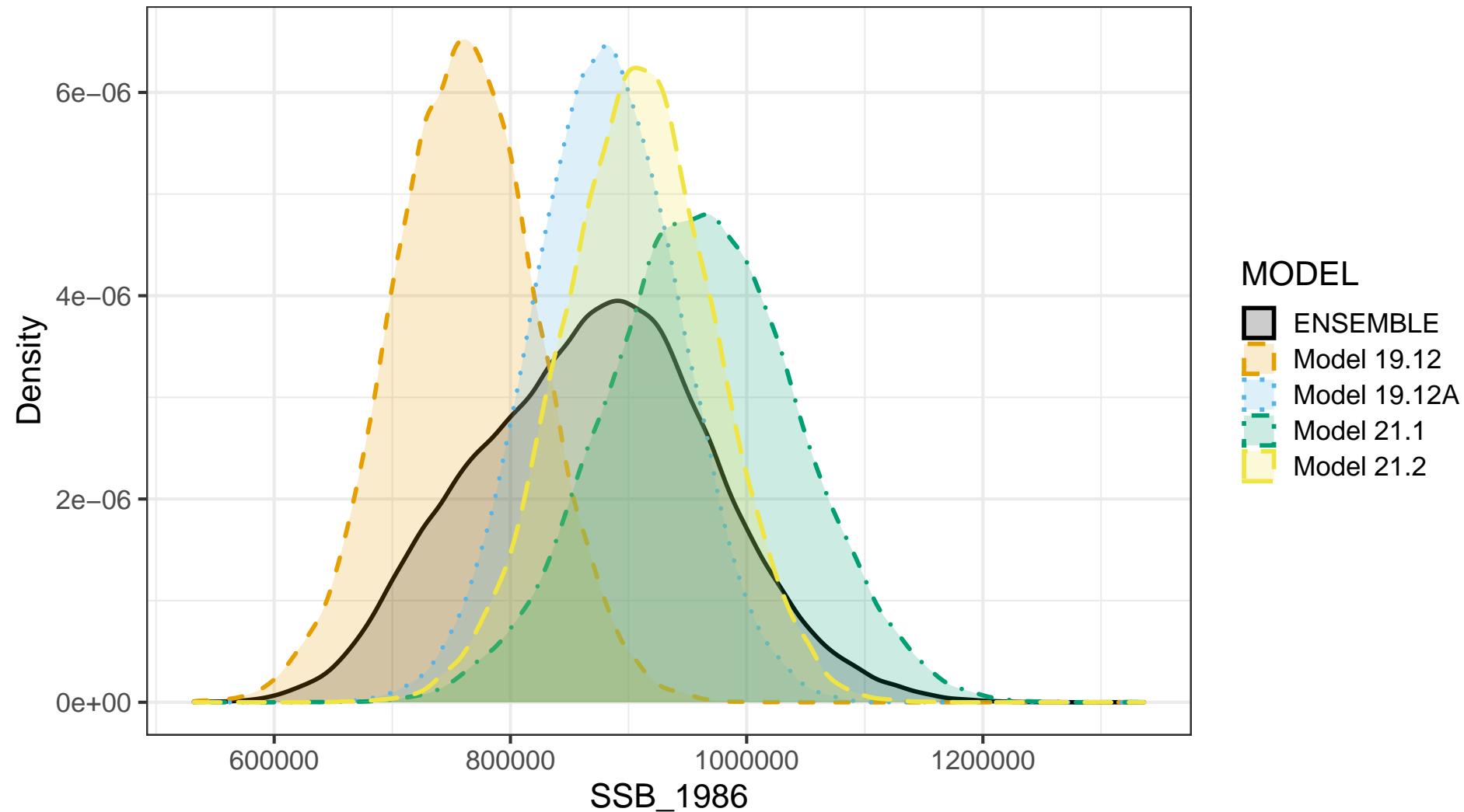
# SSB\_1984



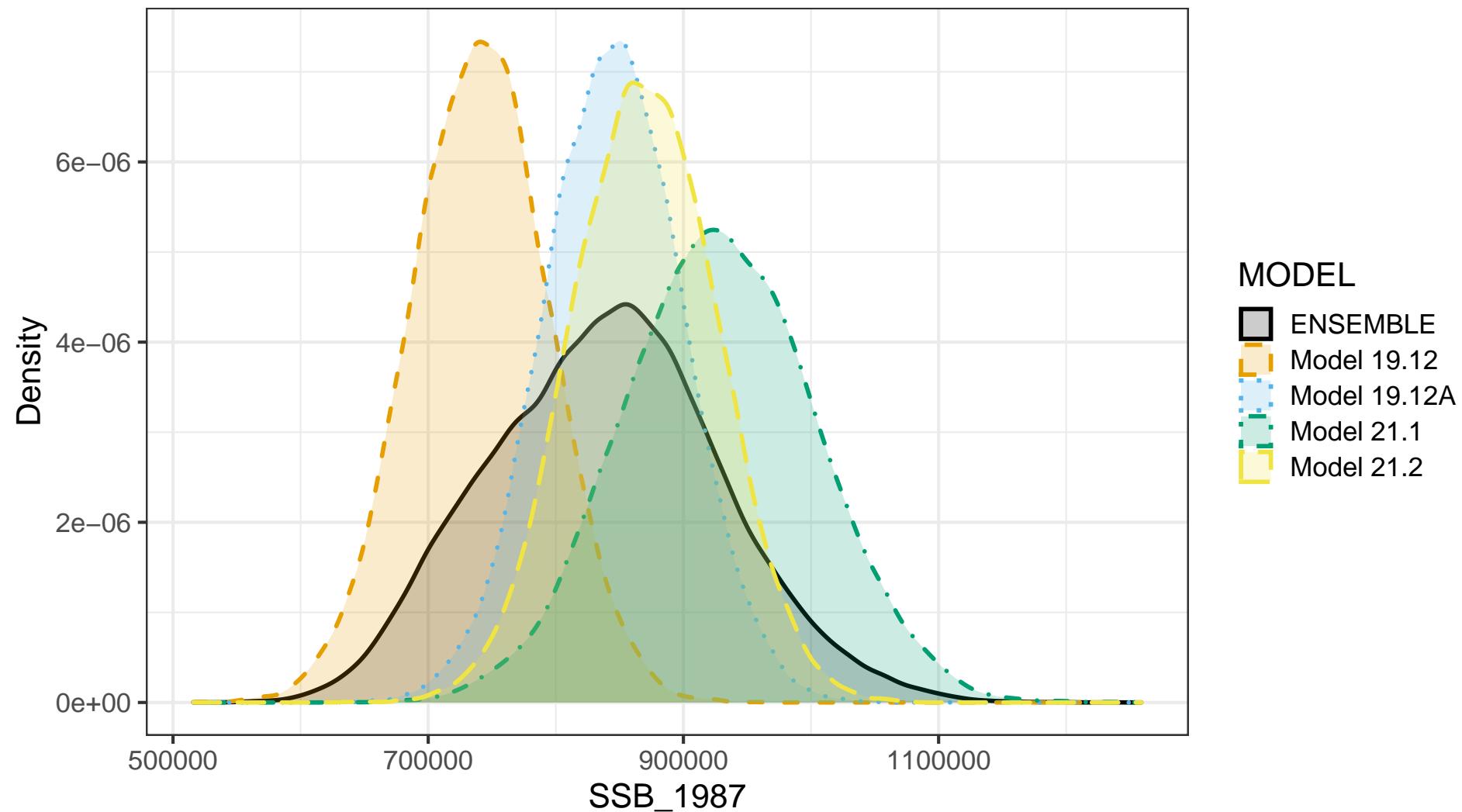
# SSB\_1985



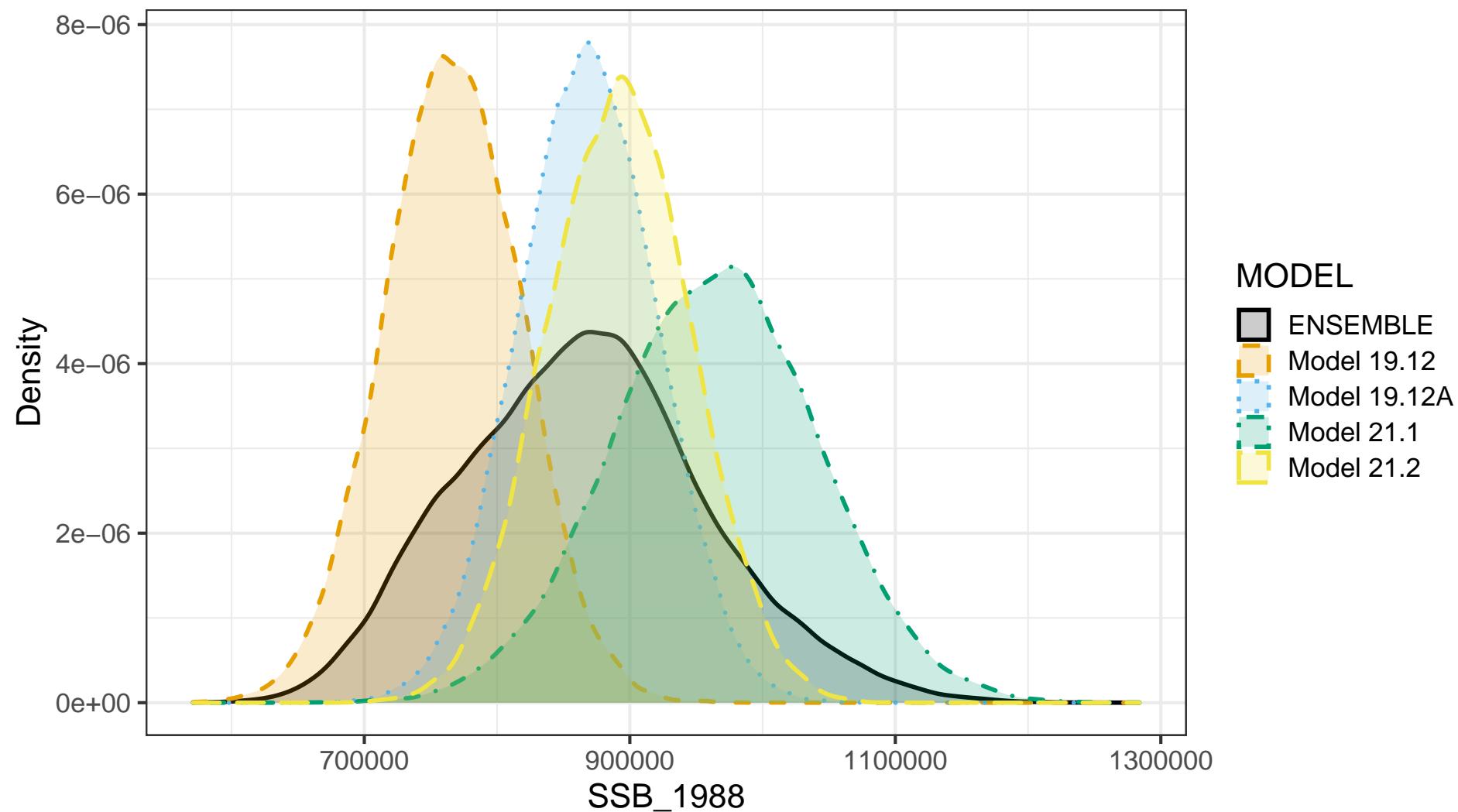
# SSB\_1986



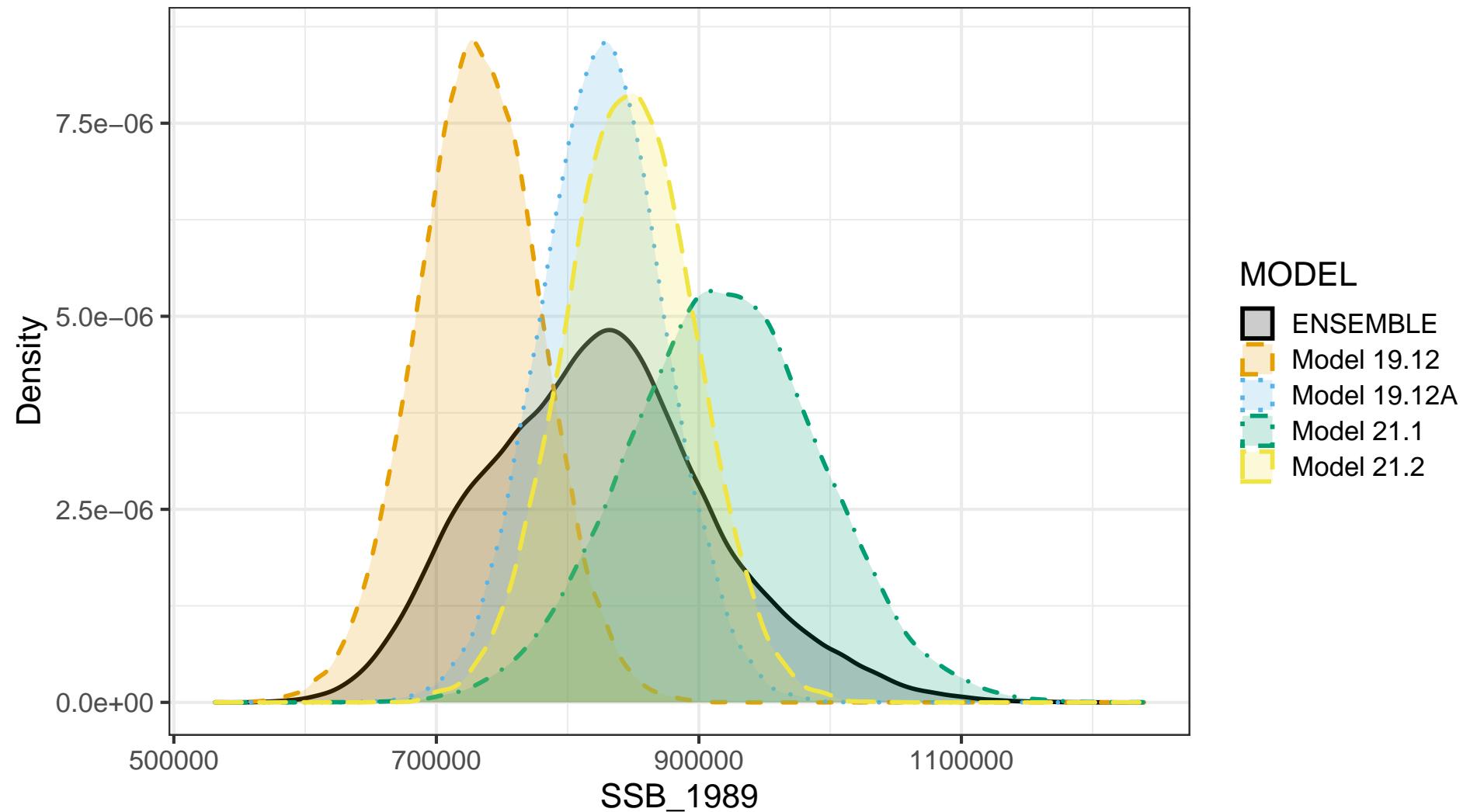
# SSB\_1987



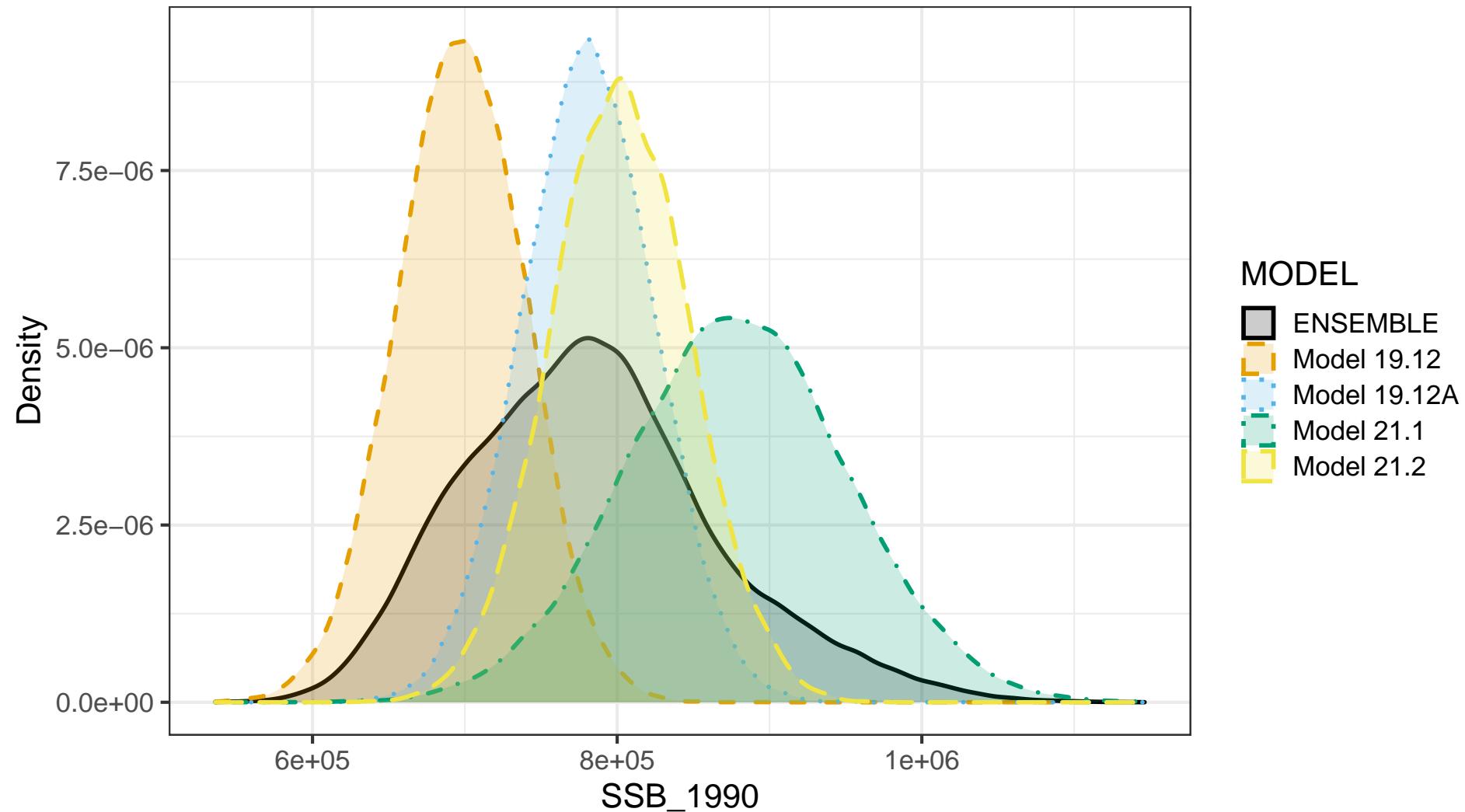
# SSB\_1988



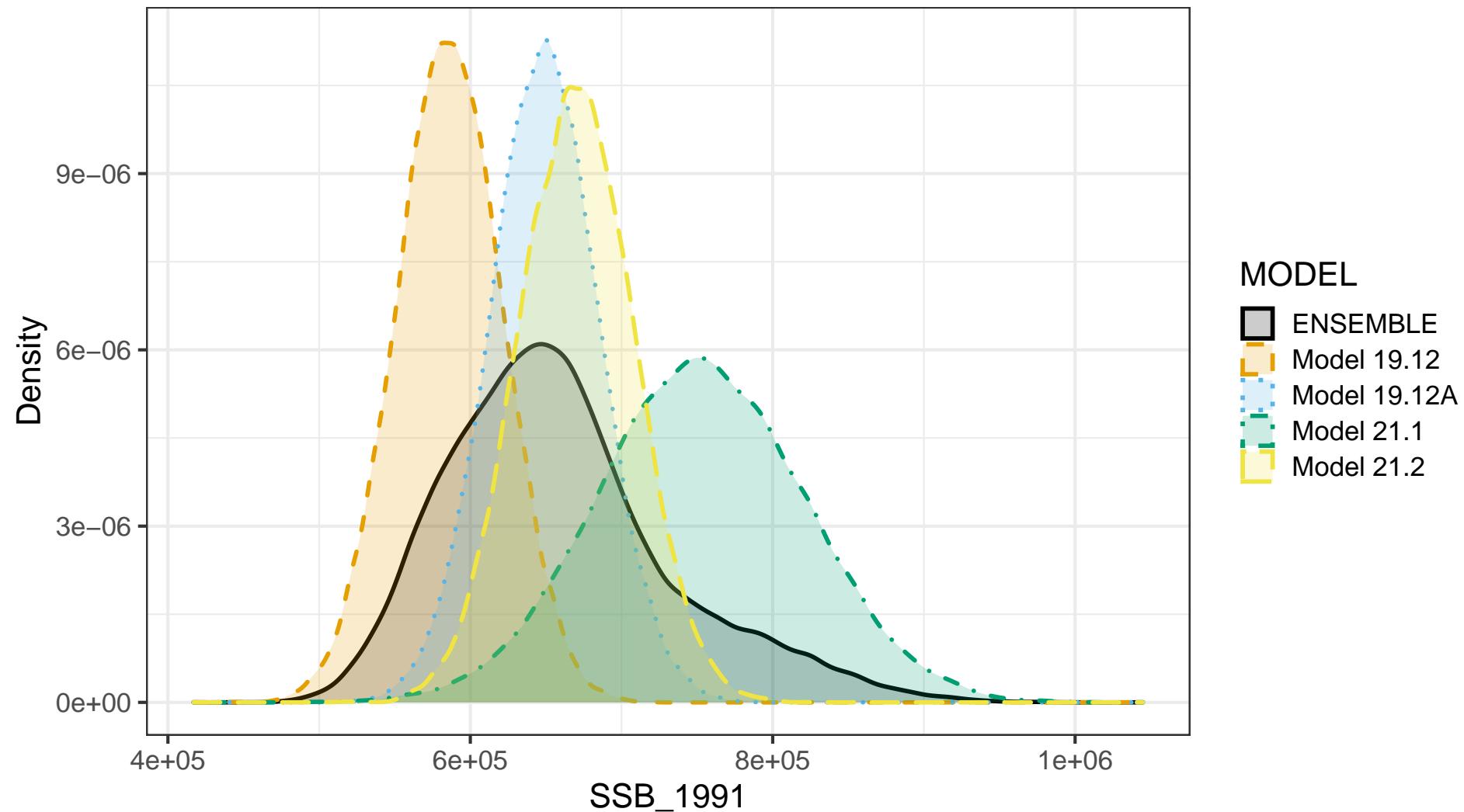
# SSB\_1989



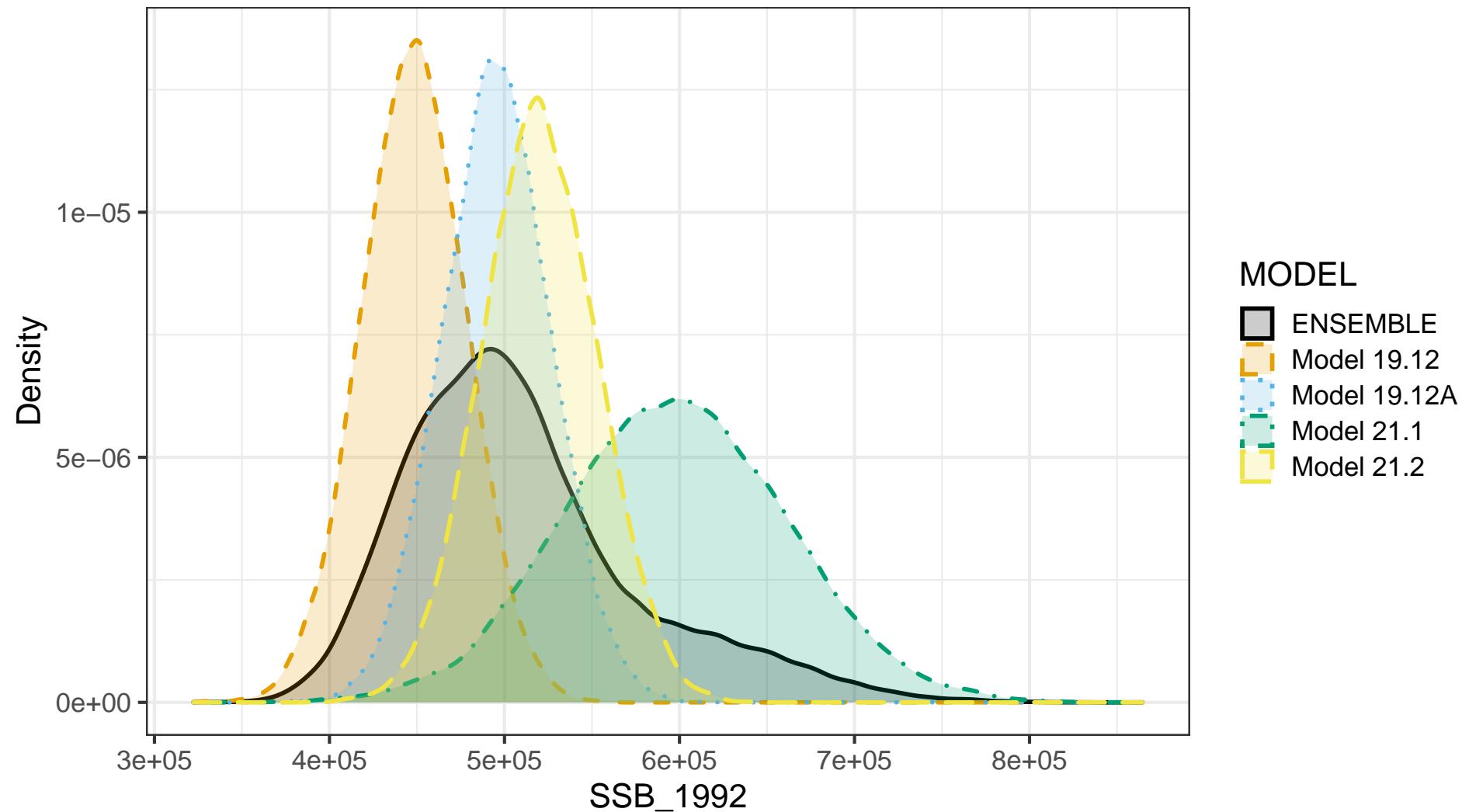
# SSB\_1990



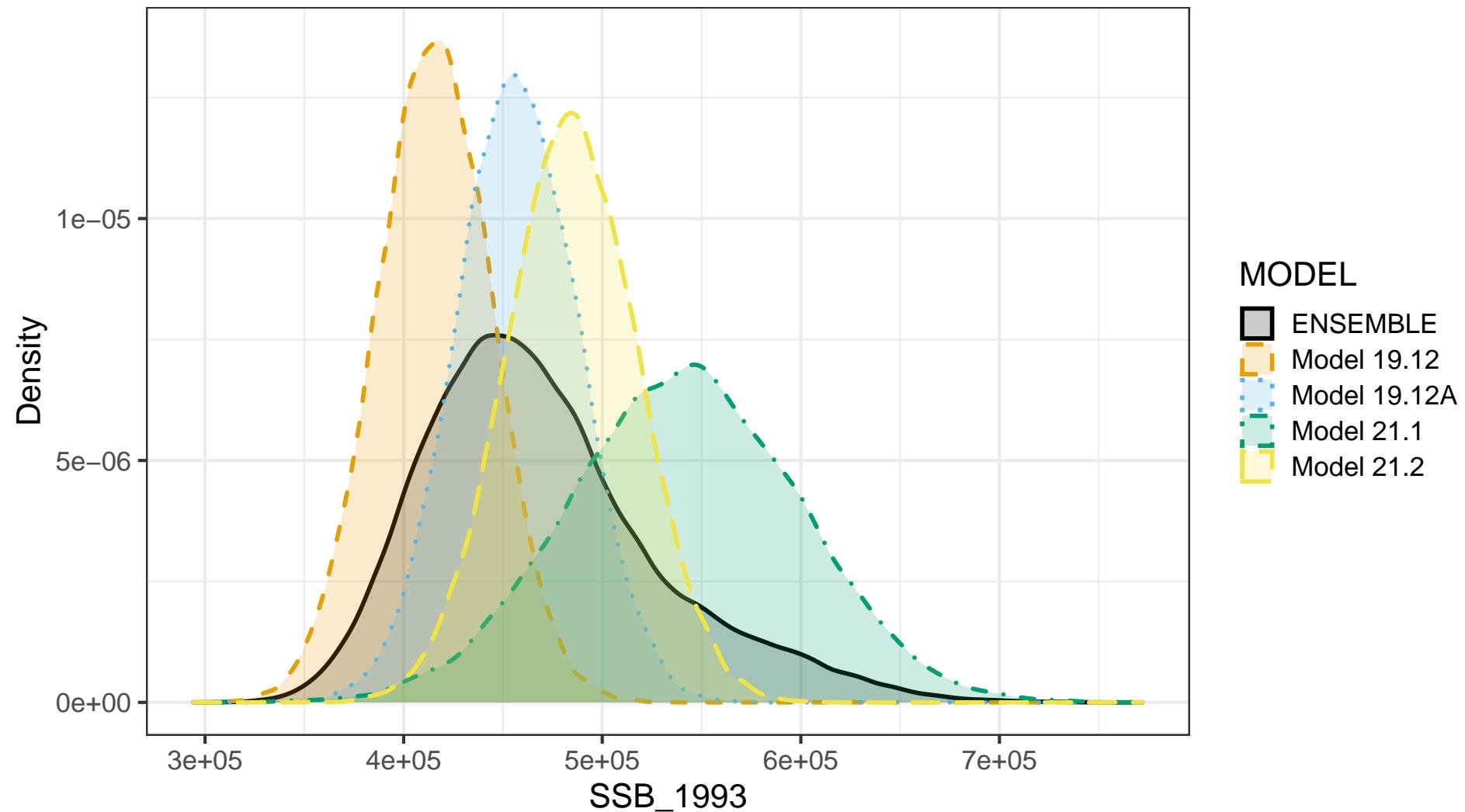
# SSB\_1991



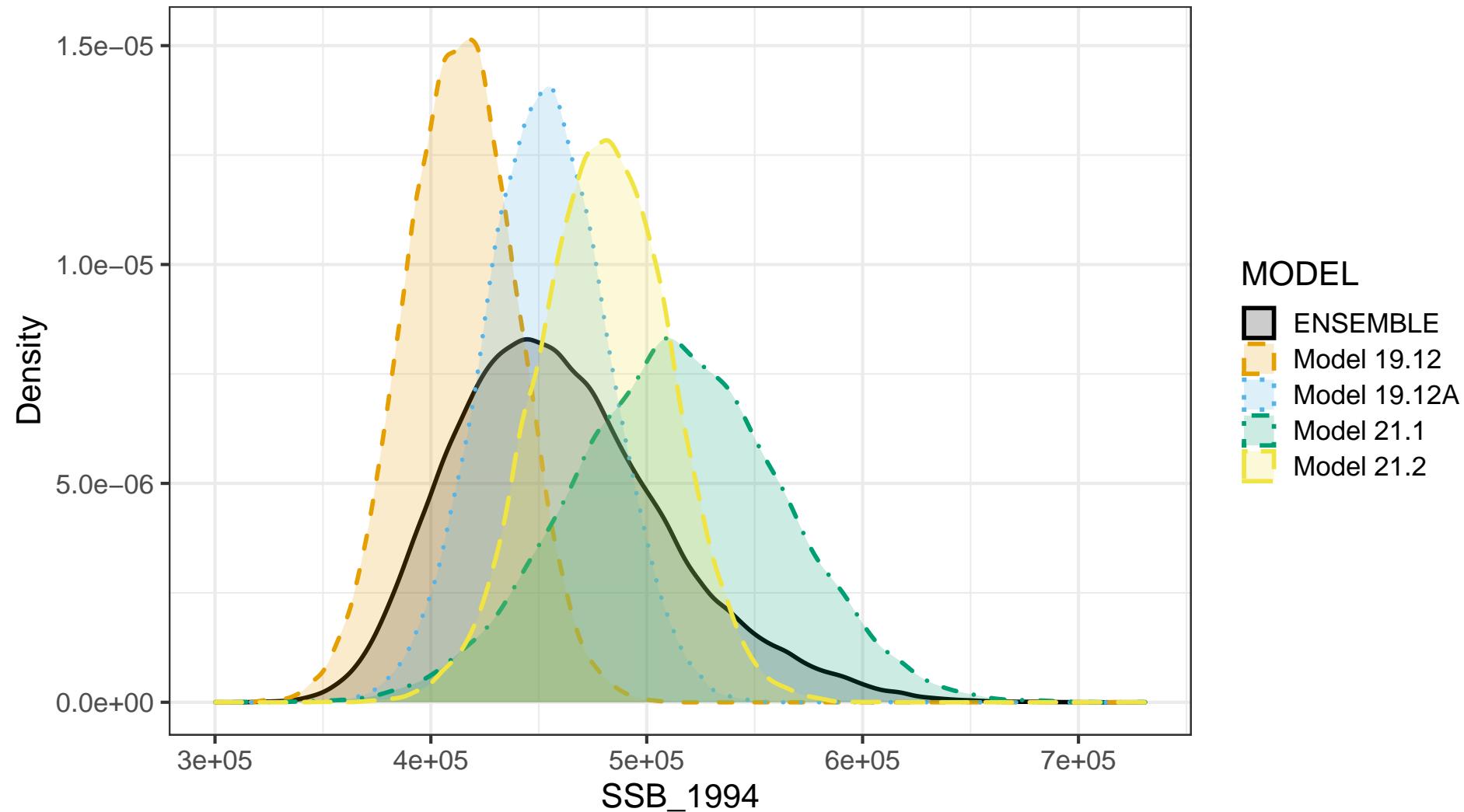
# SSB\_1992



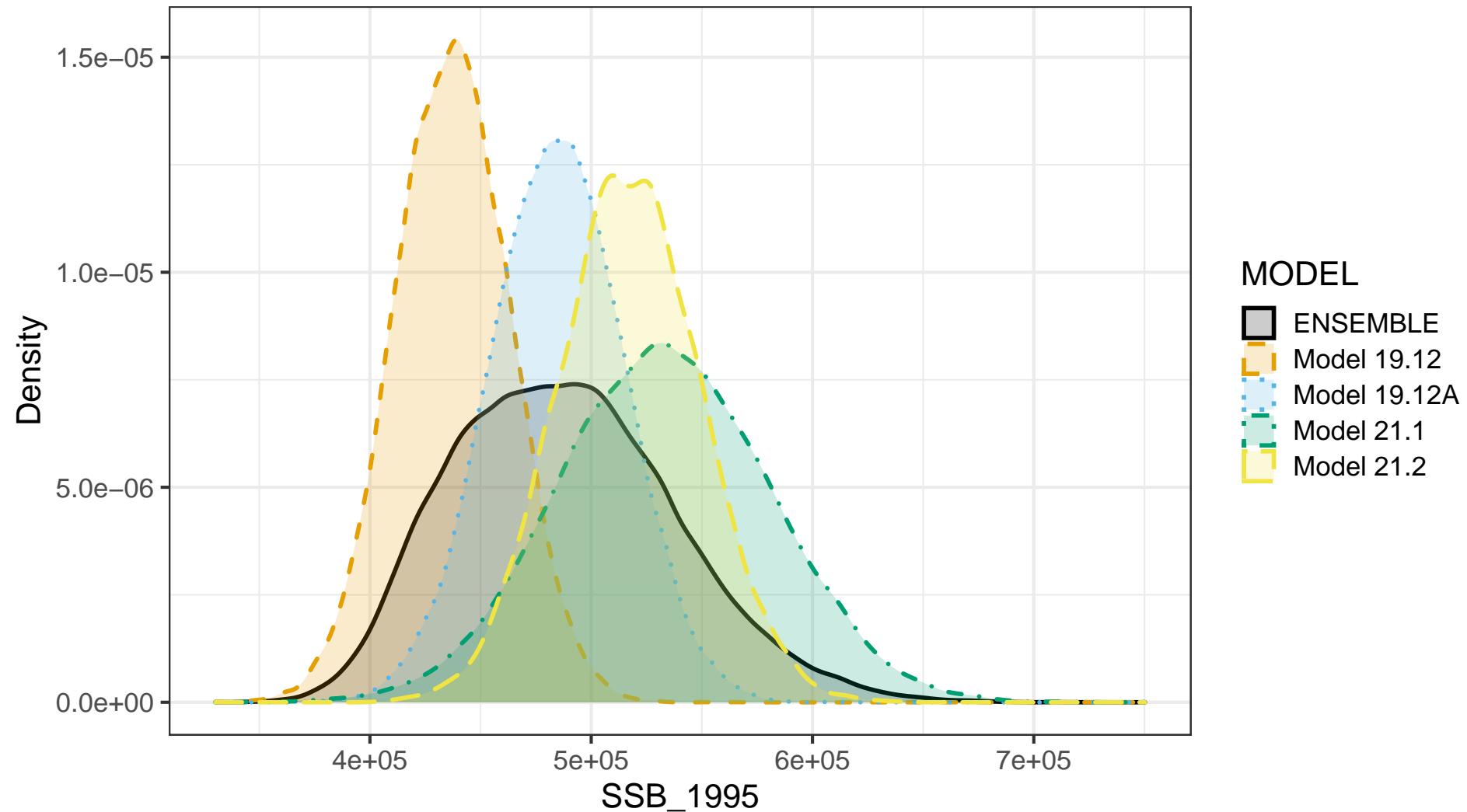
# SSB\_1993



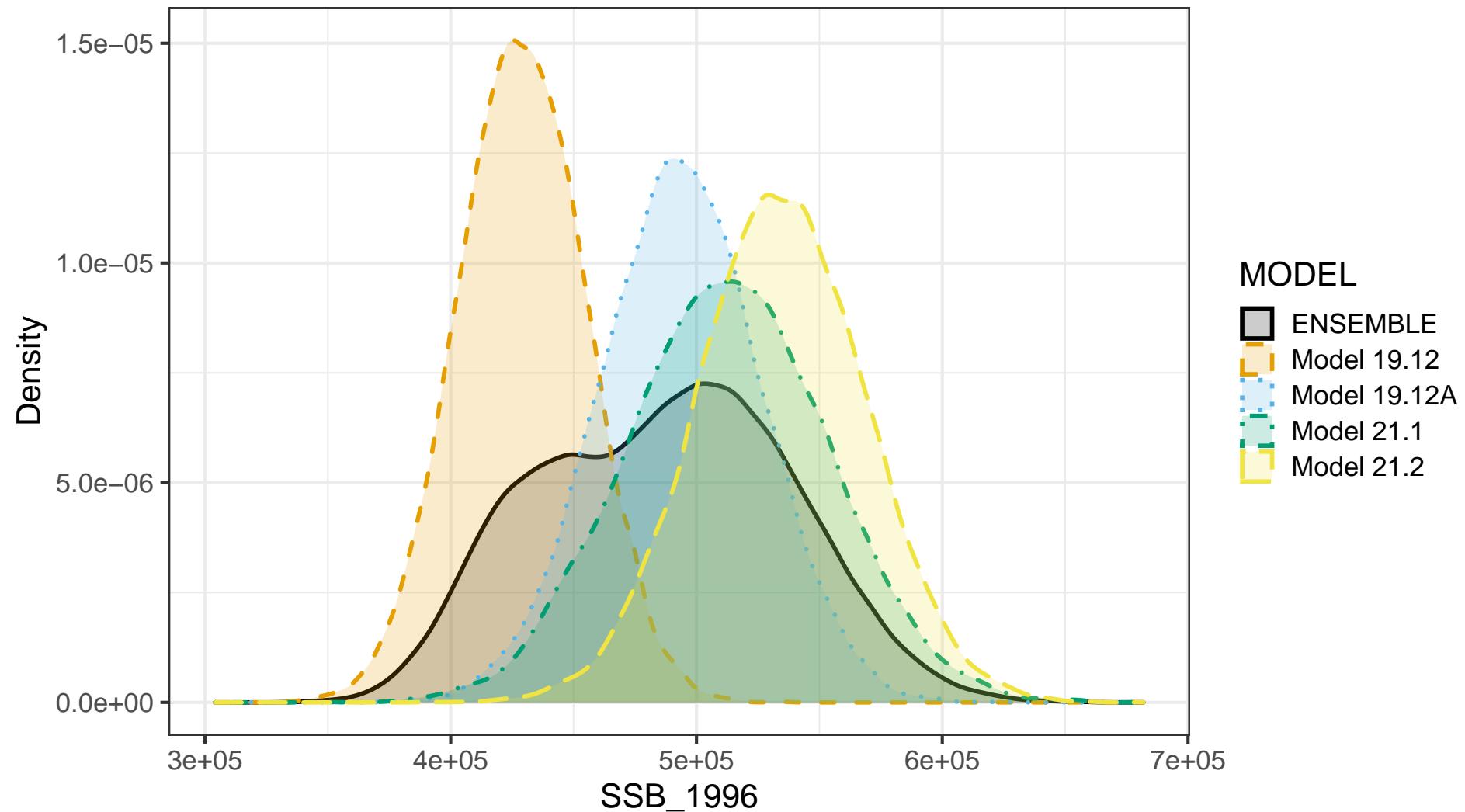
# SSB\_1994



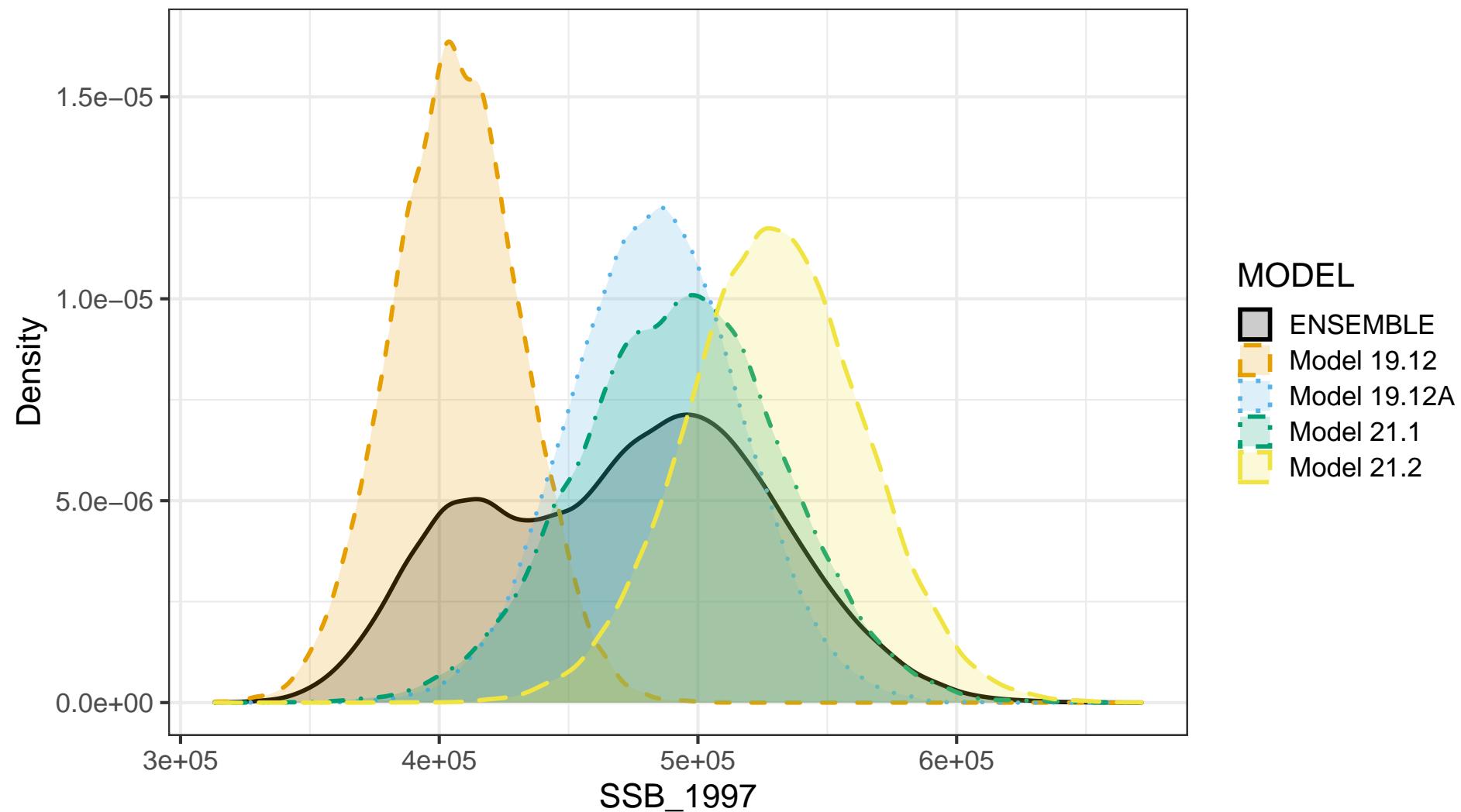
# SSB\_1995



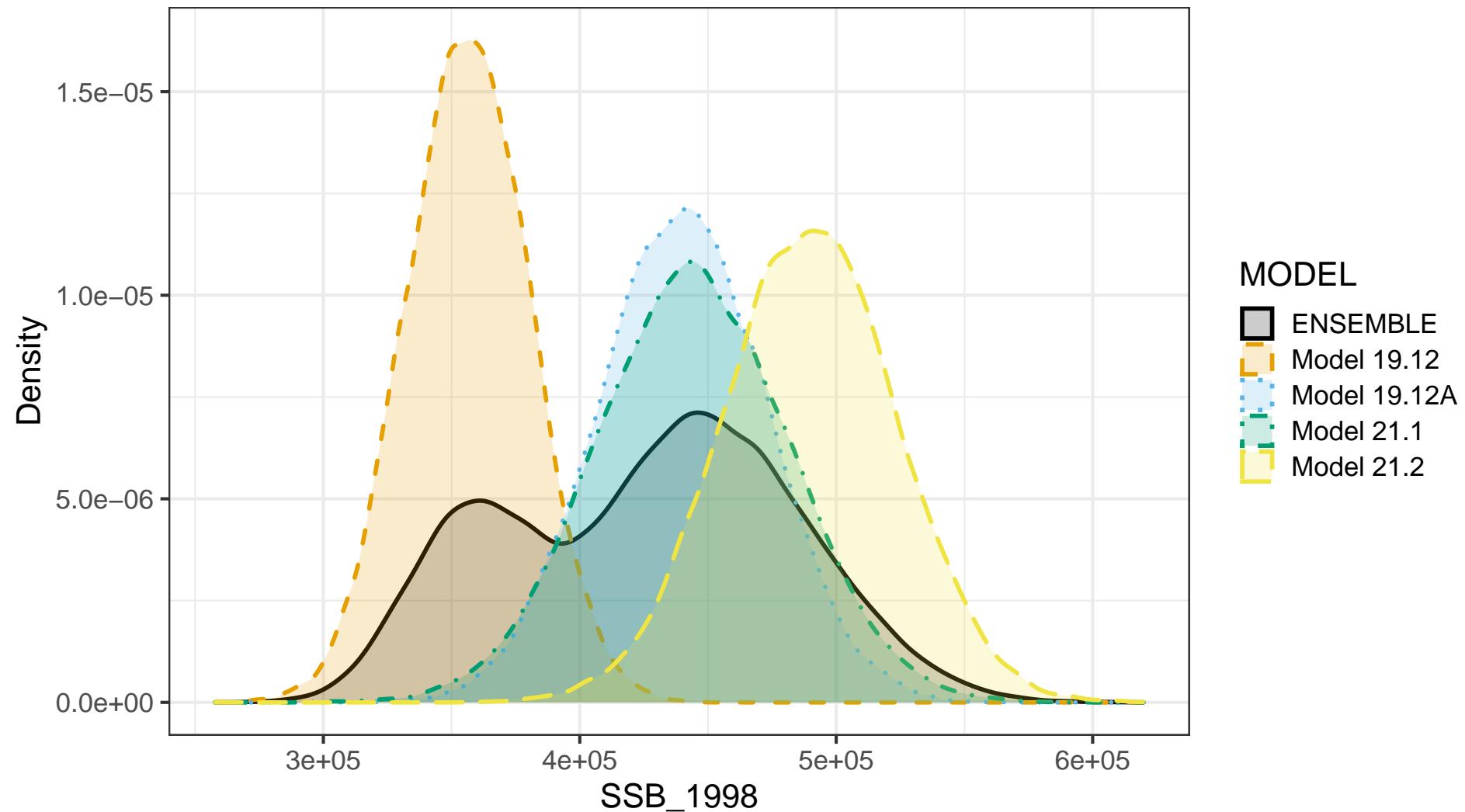
# SSB\_1996



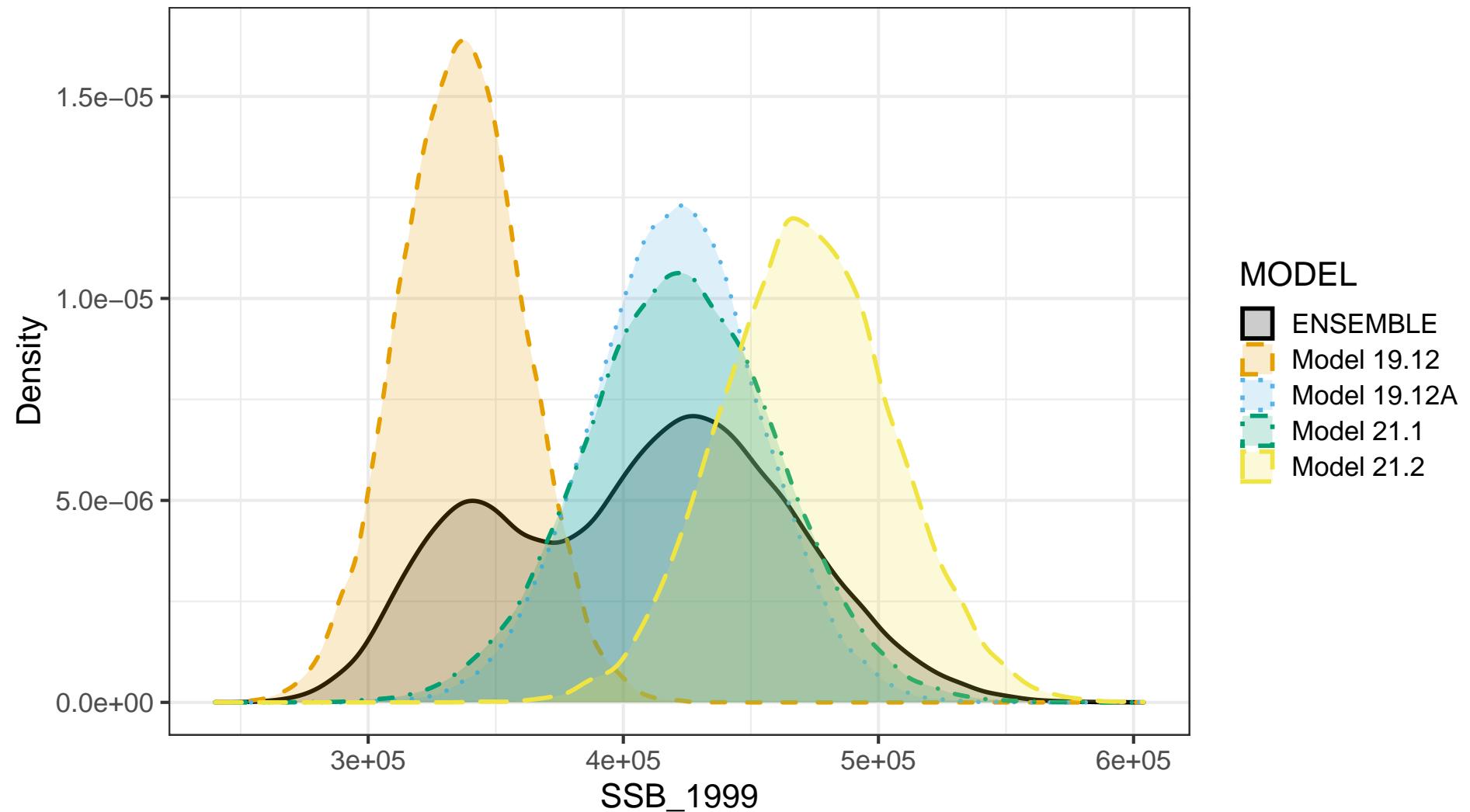
# SSB\_1997



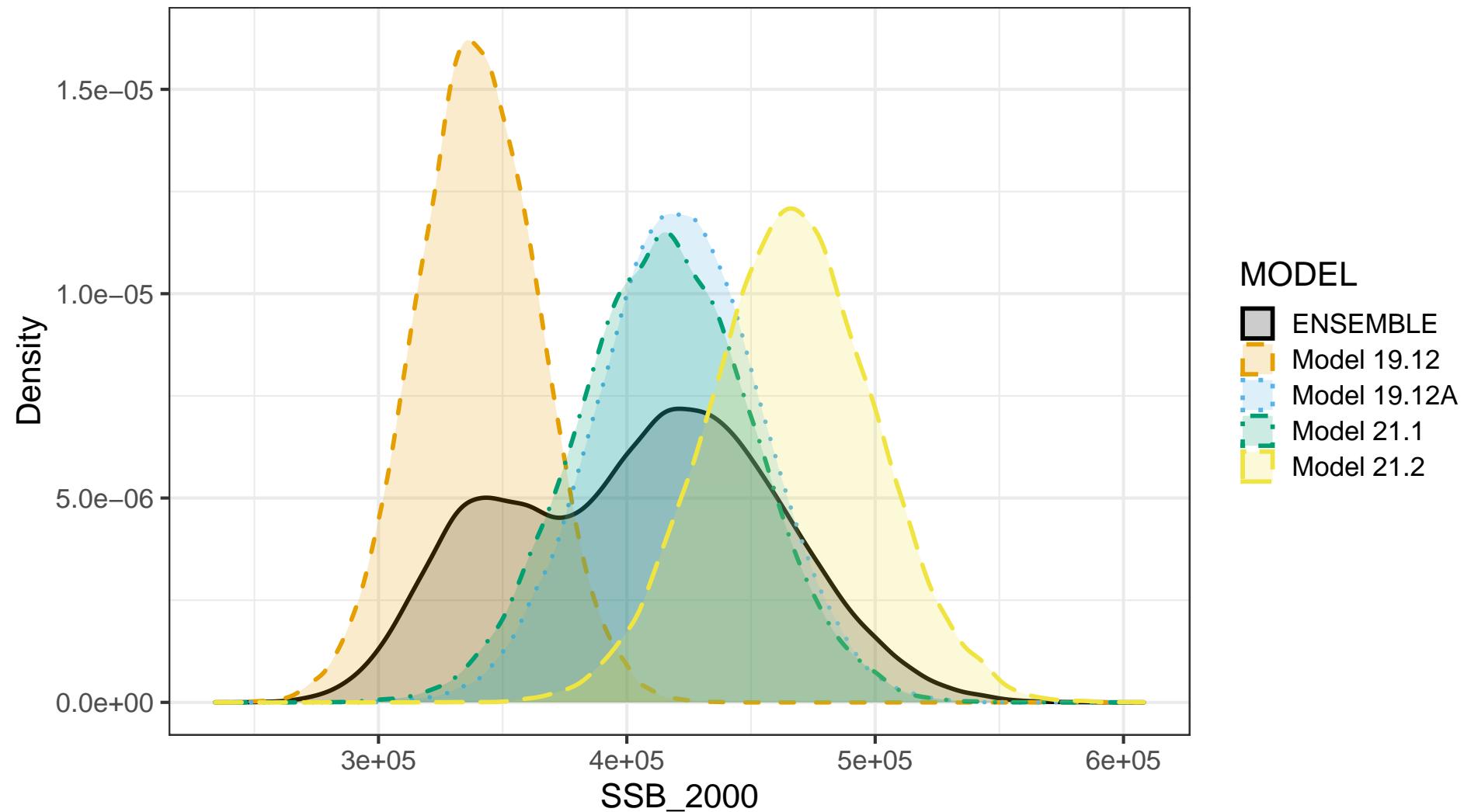
# SSB\_1998



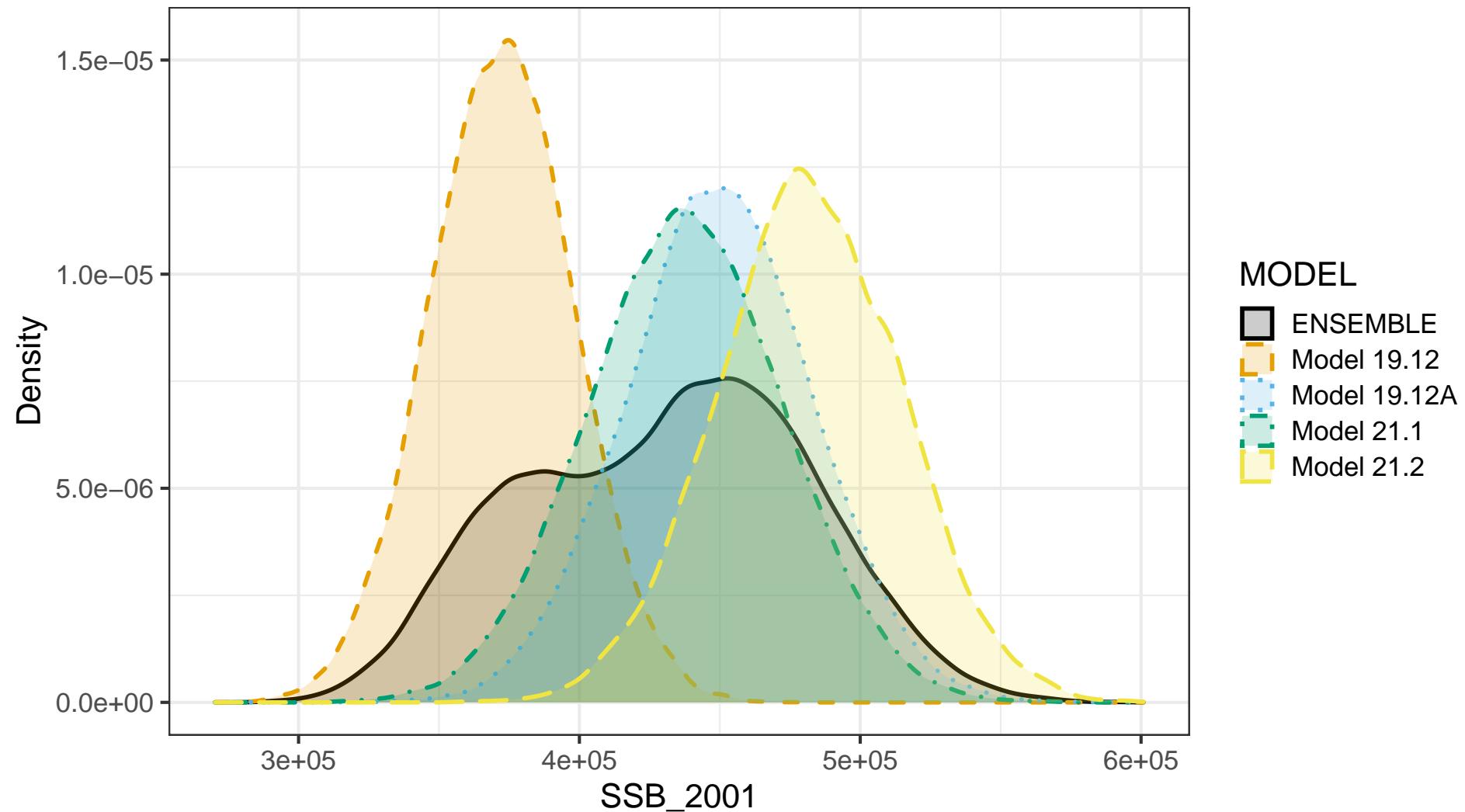
# SSB\_1999



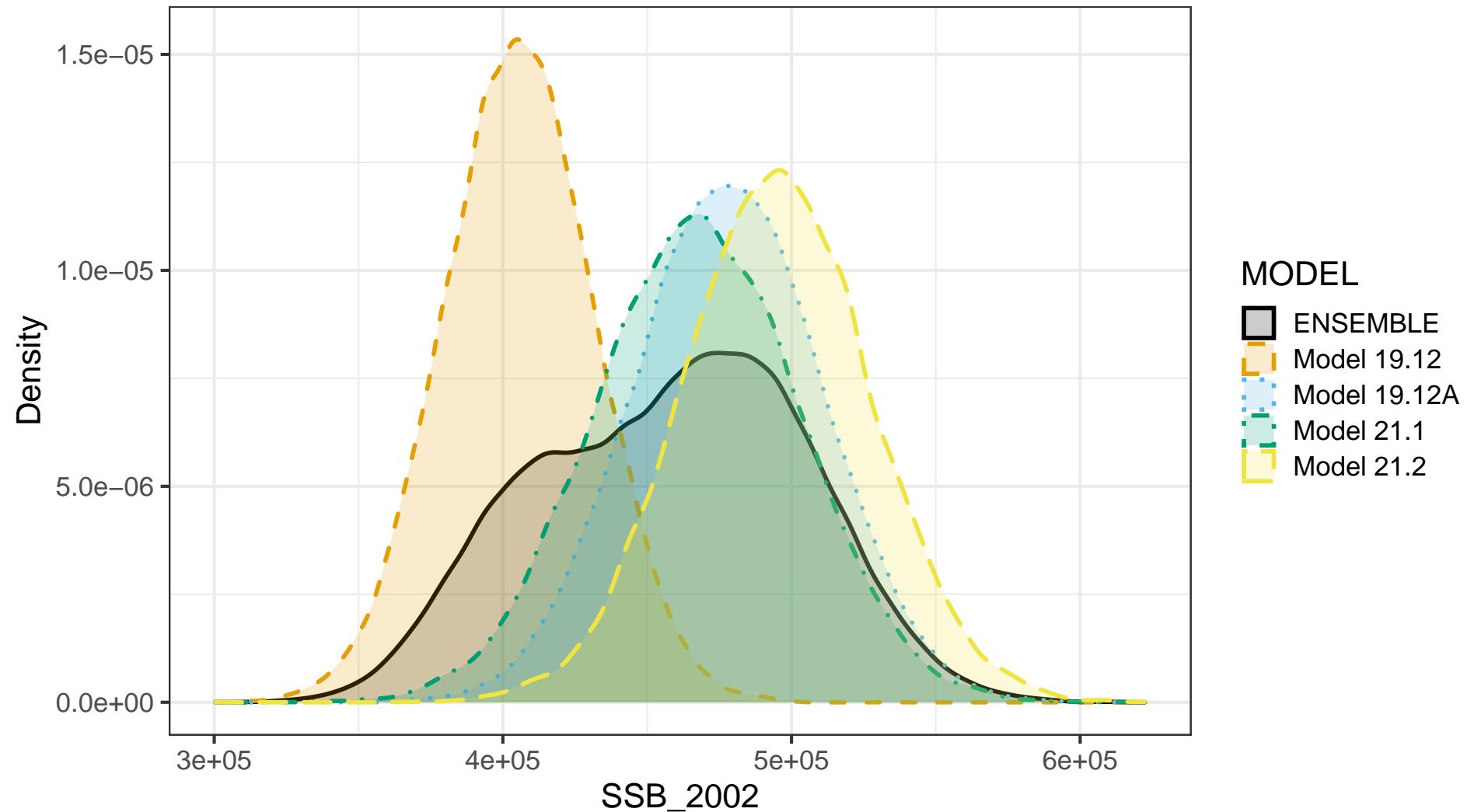
# SSB\_2000



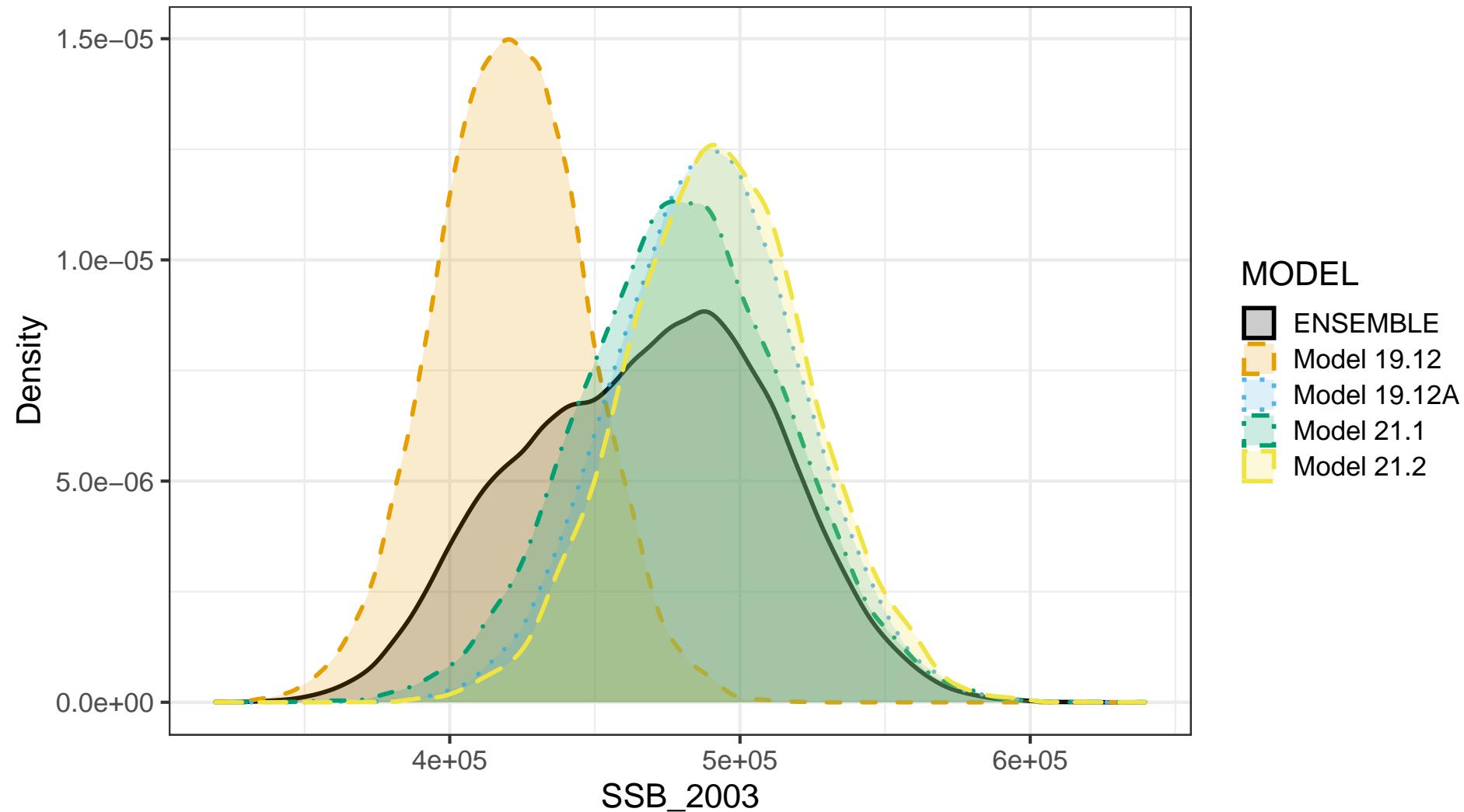
# SSB\_2001



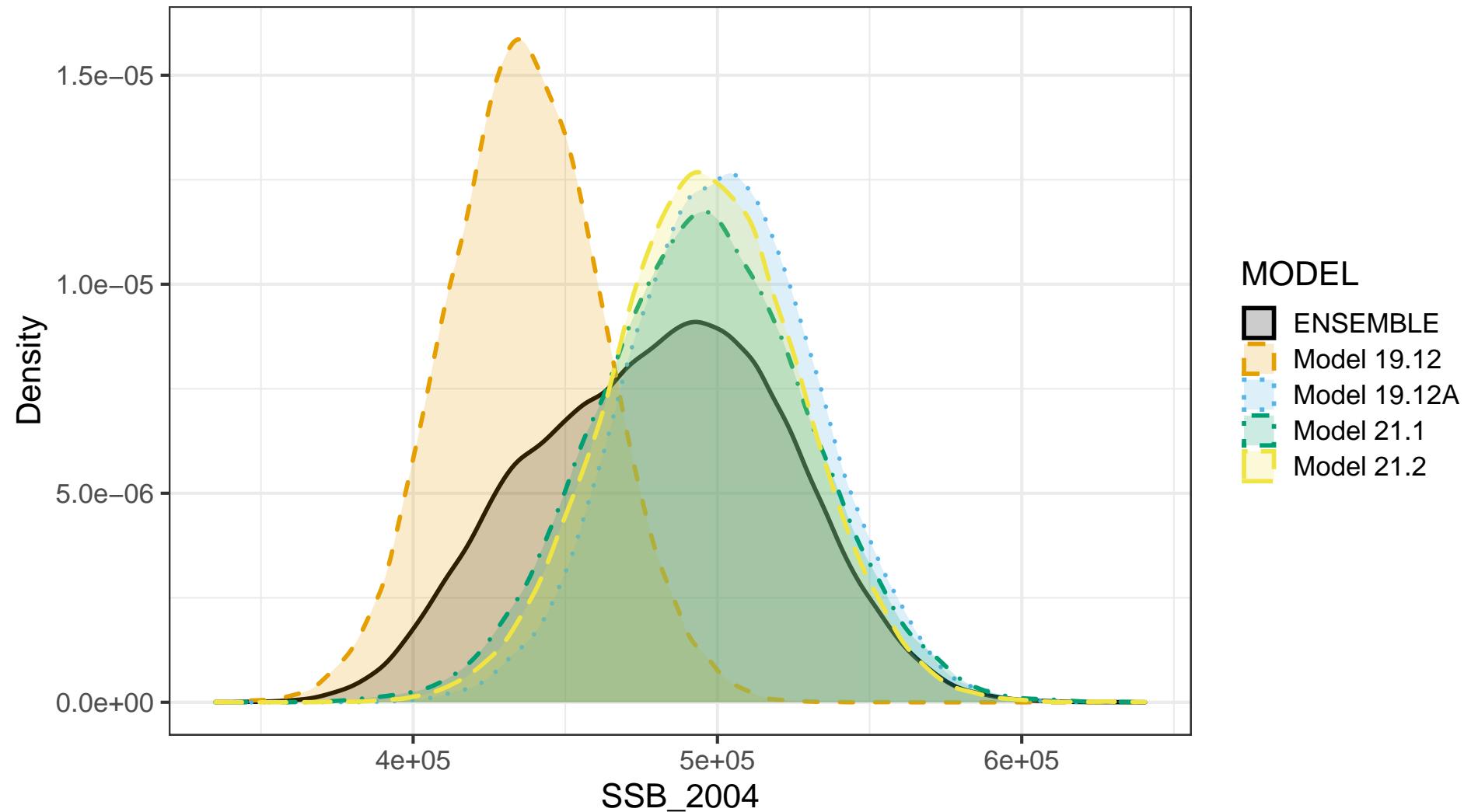
# SSB\_2002



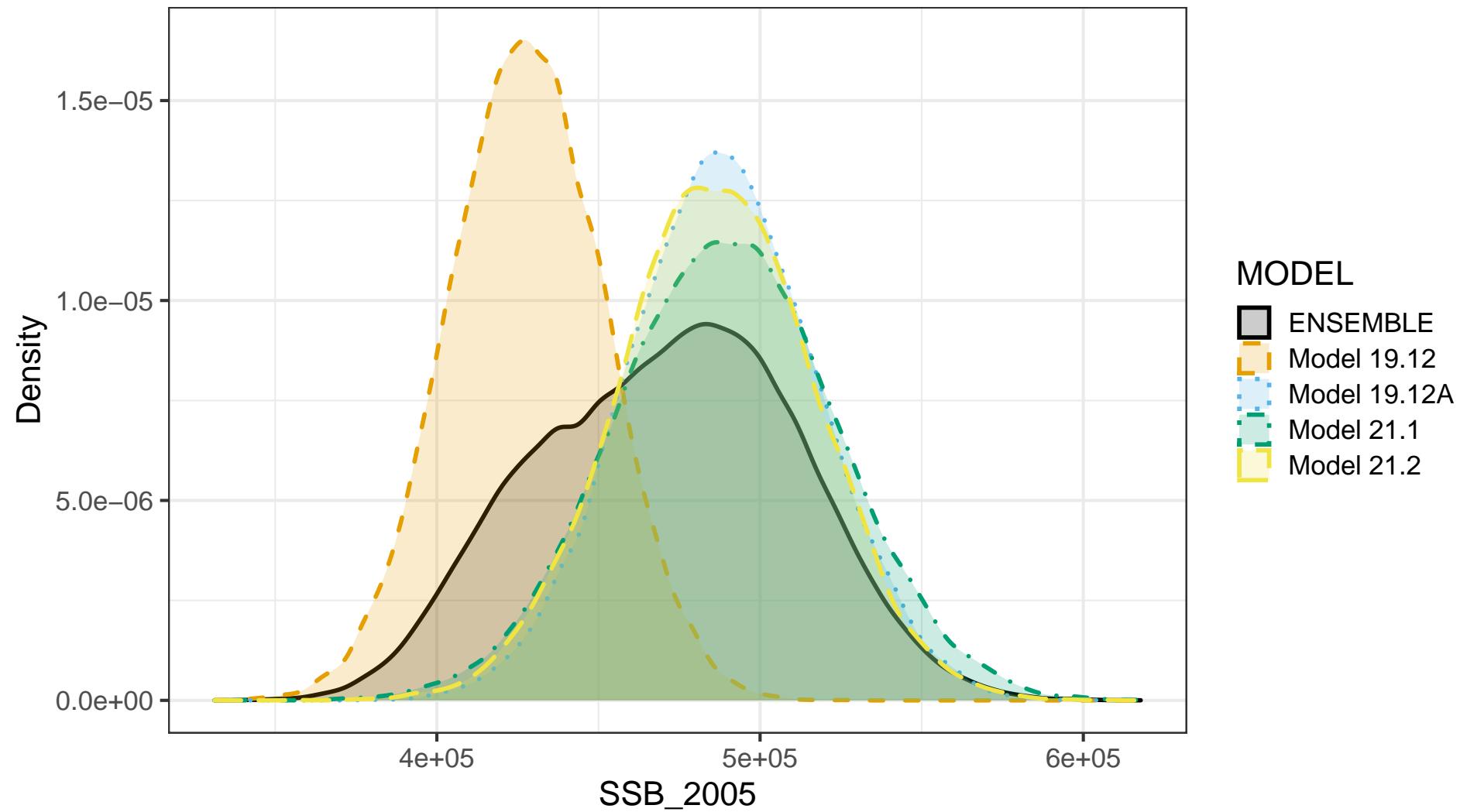
# SSB\_2003



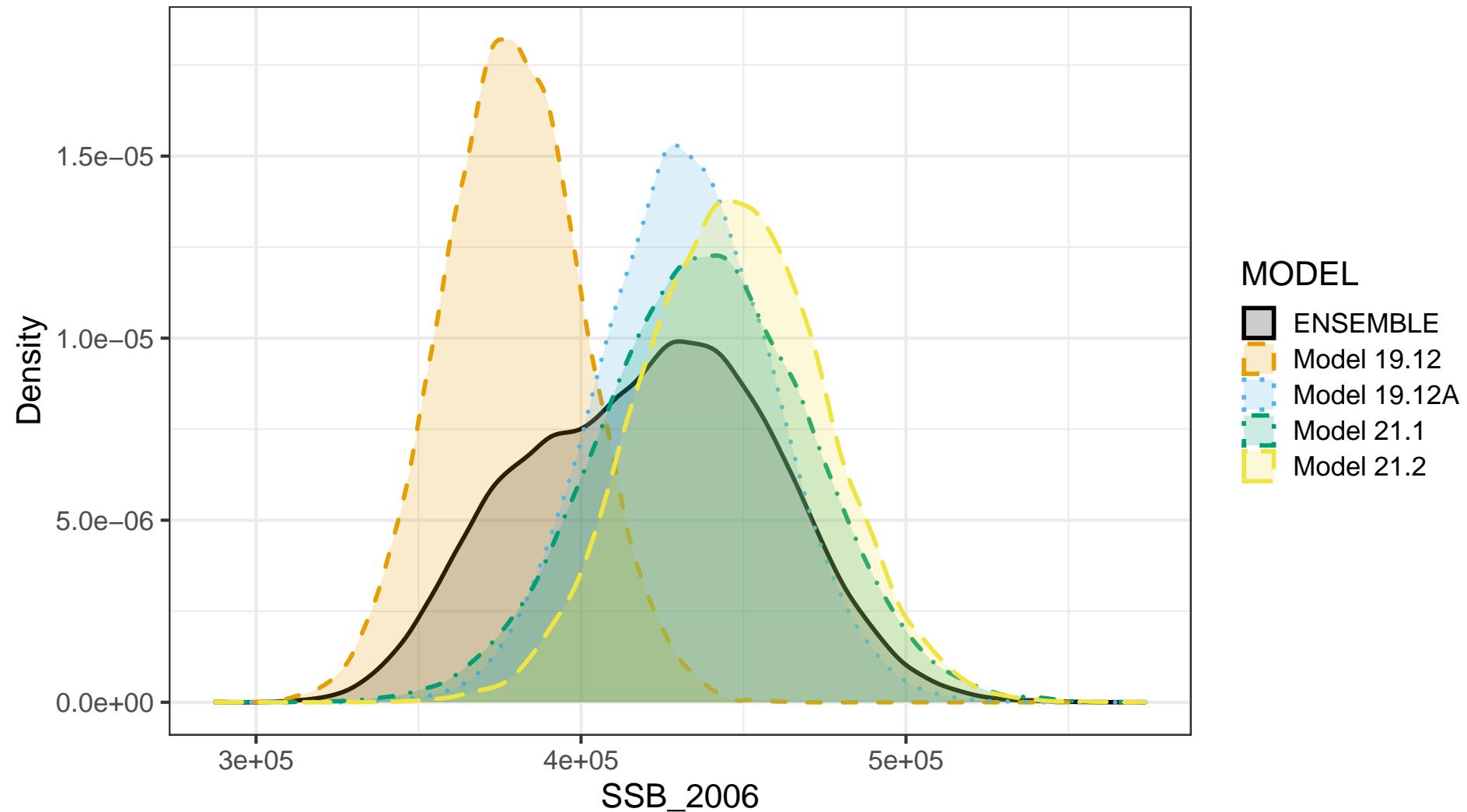
# SSB\_2004



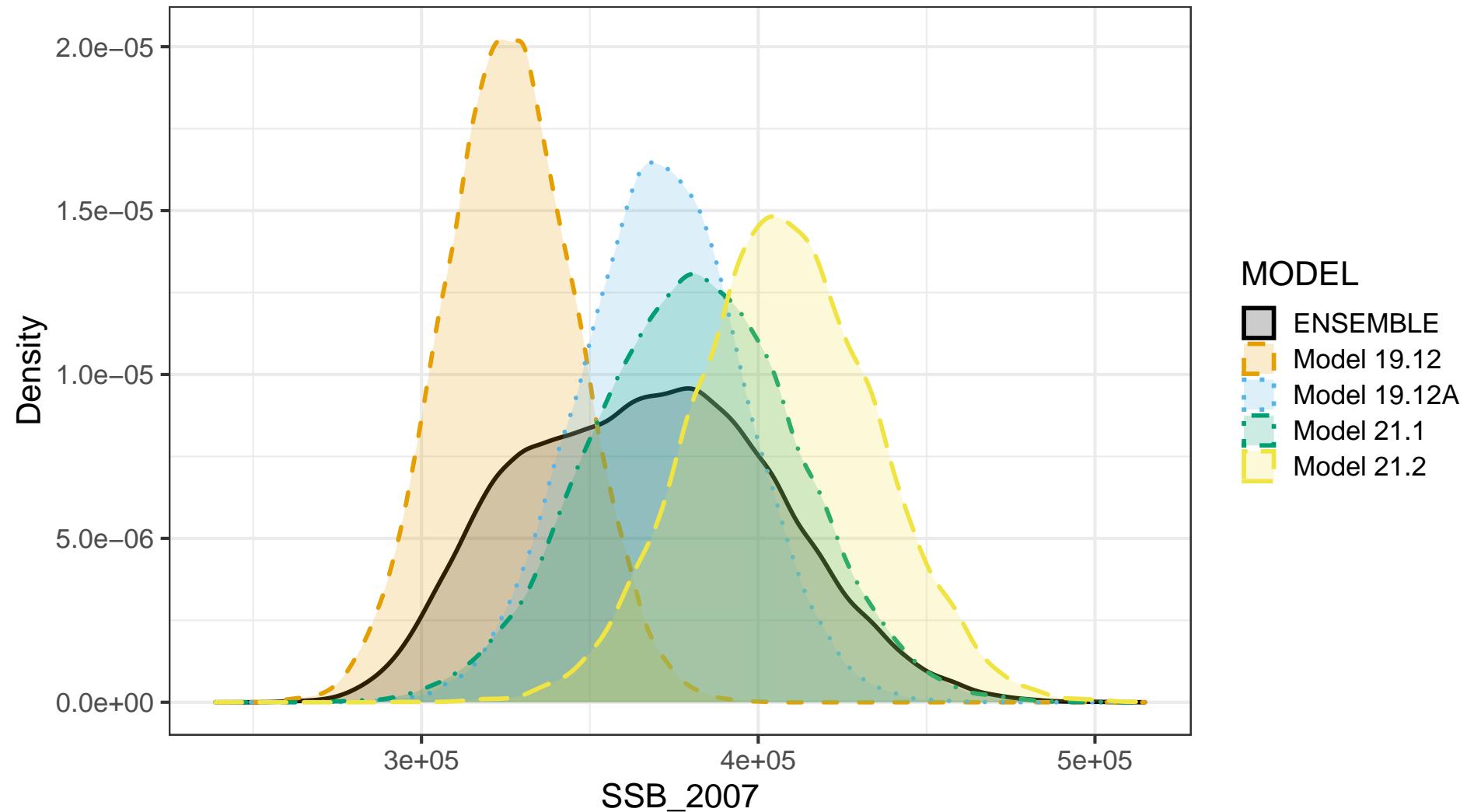
# SSB\_2005



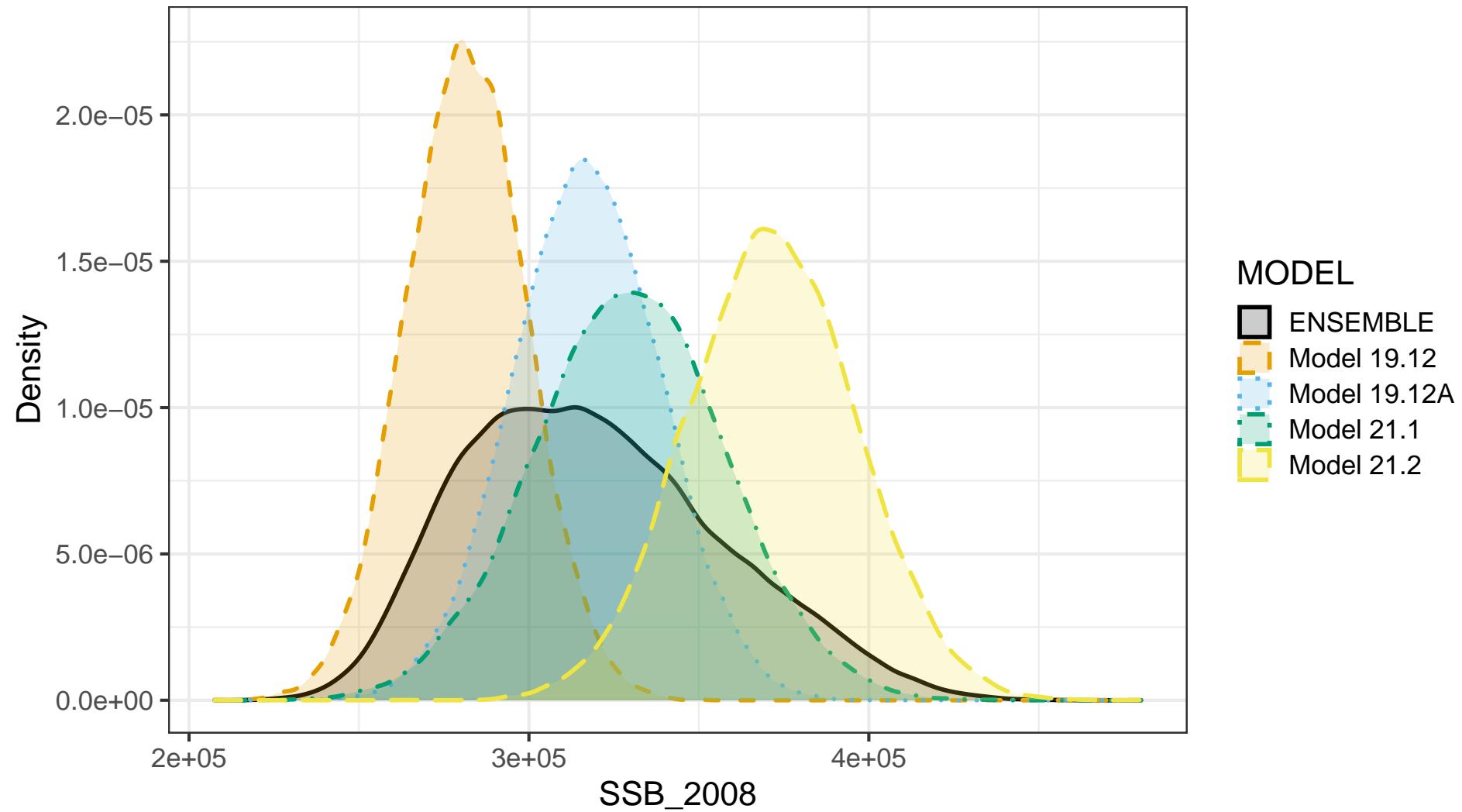
# SSB\_2006



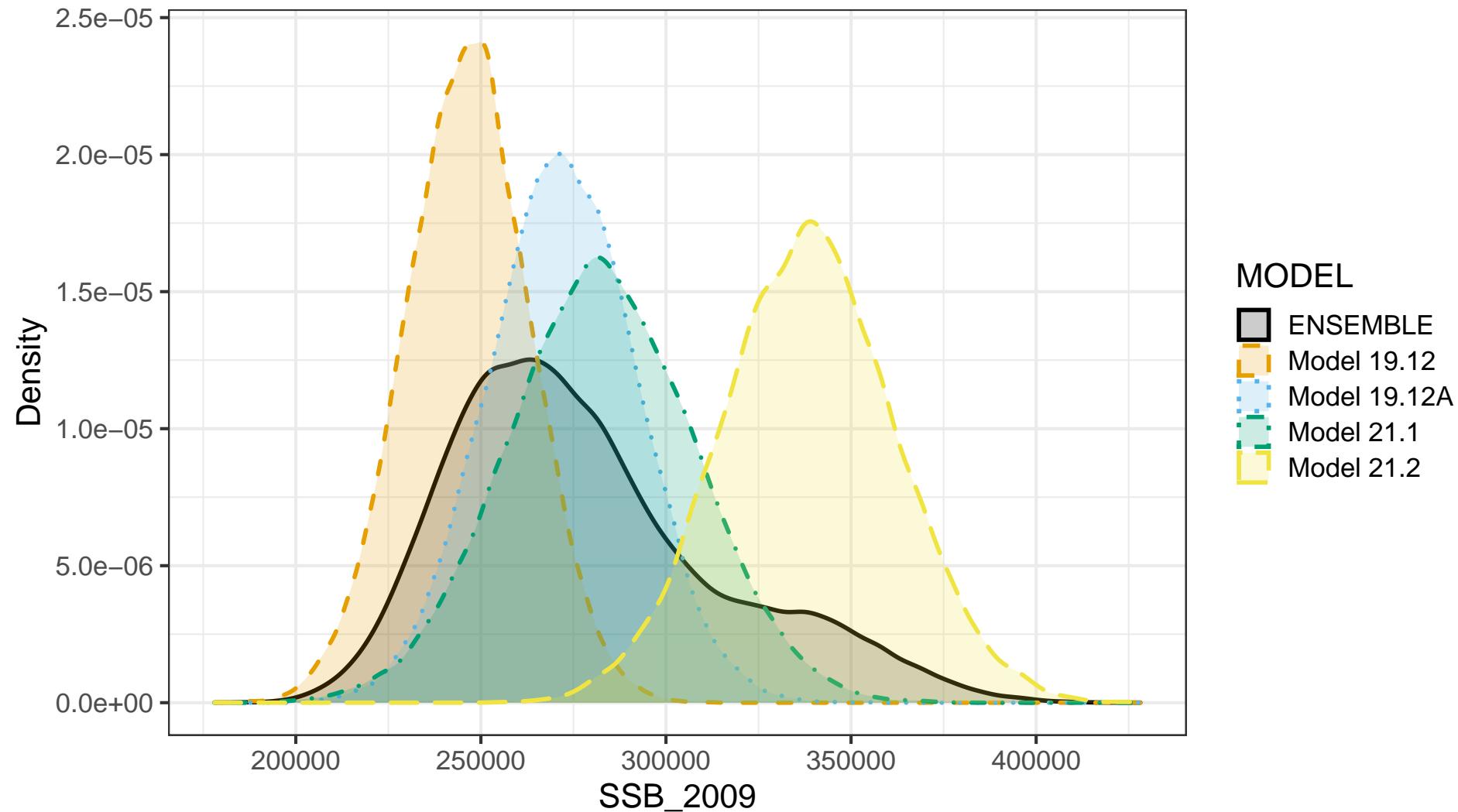
# SSB\_2007



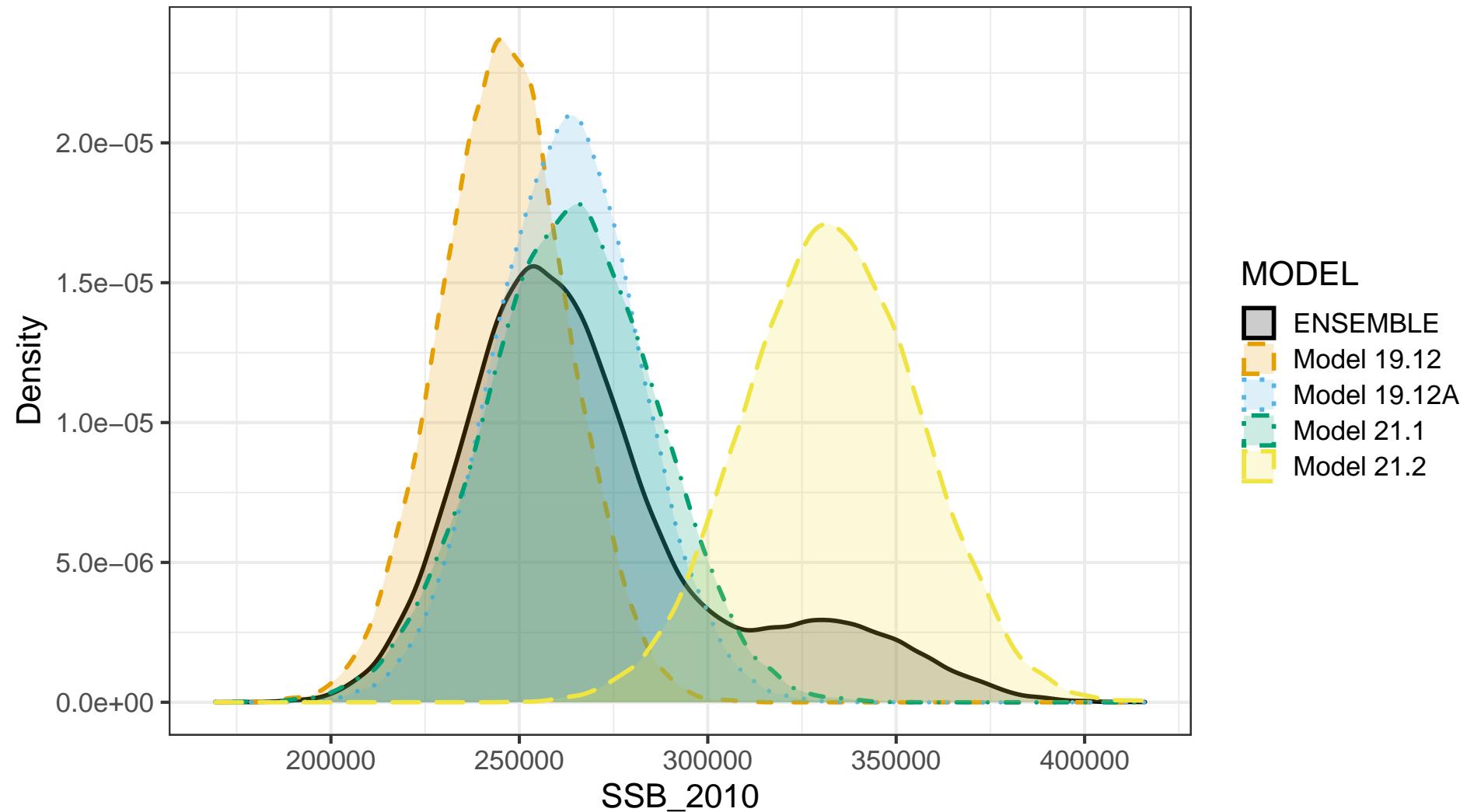
# SSB\_2008



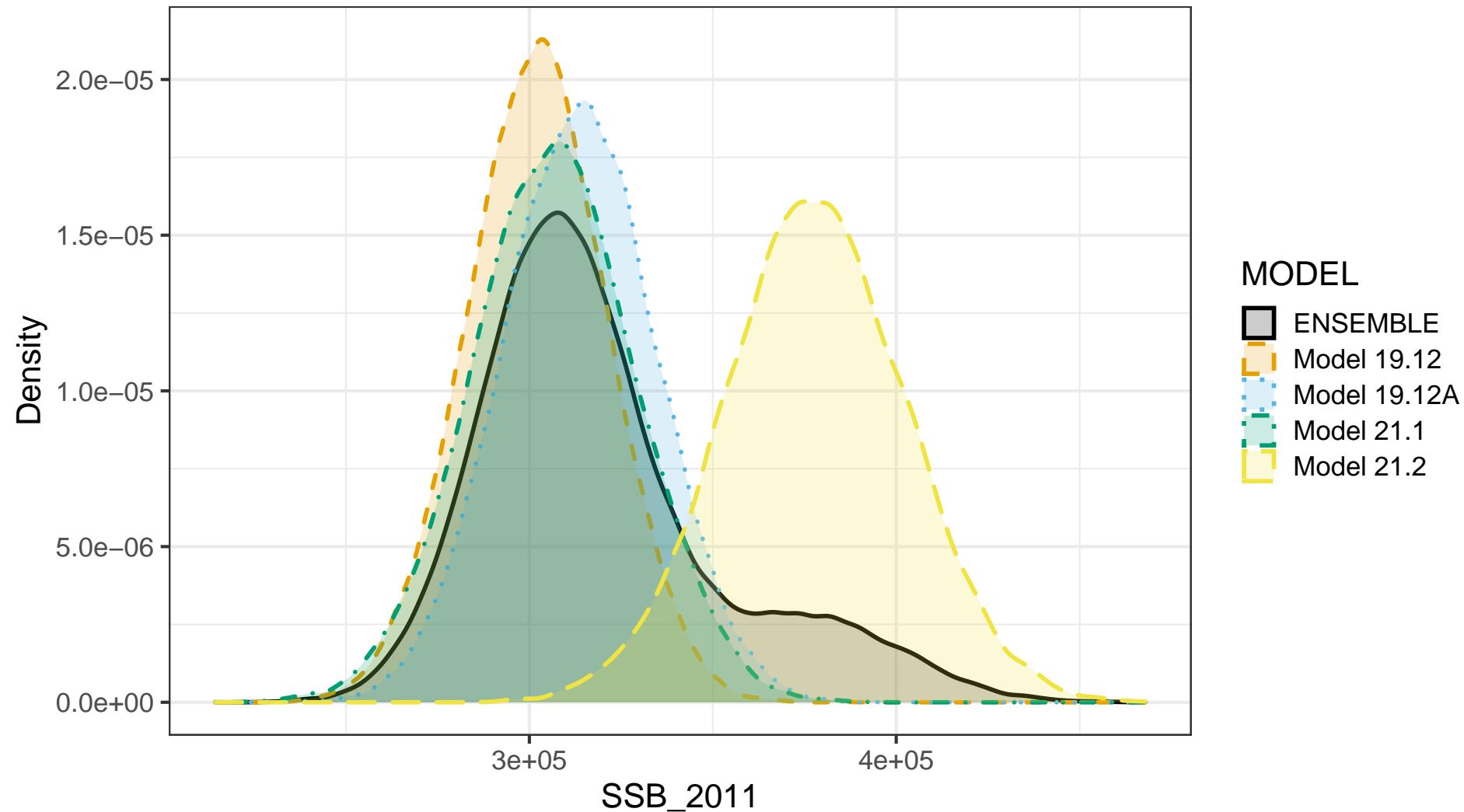
# SSB\_2009



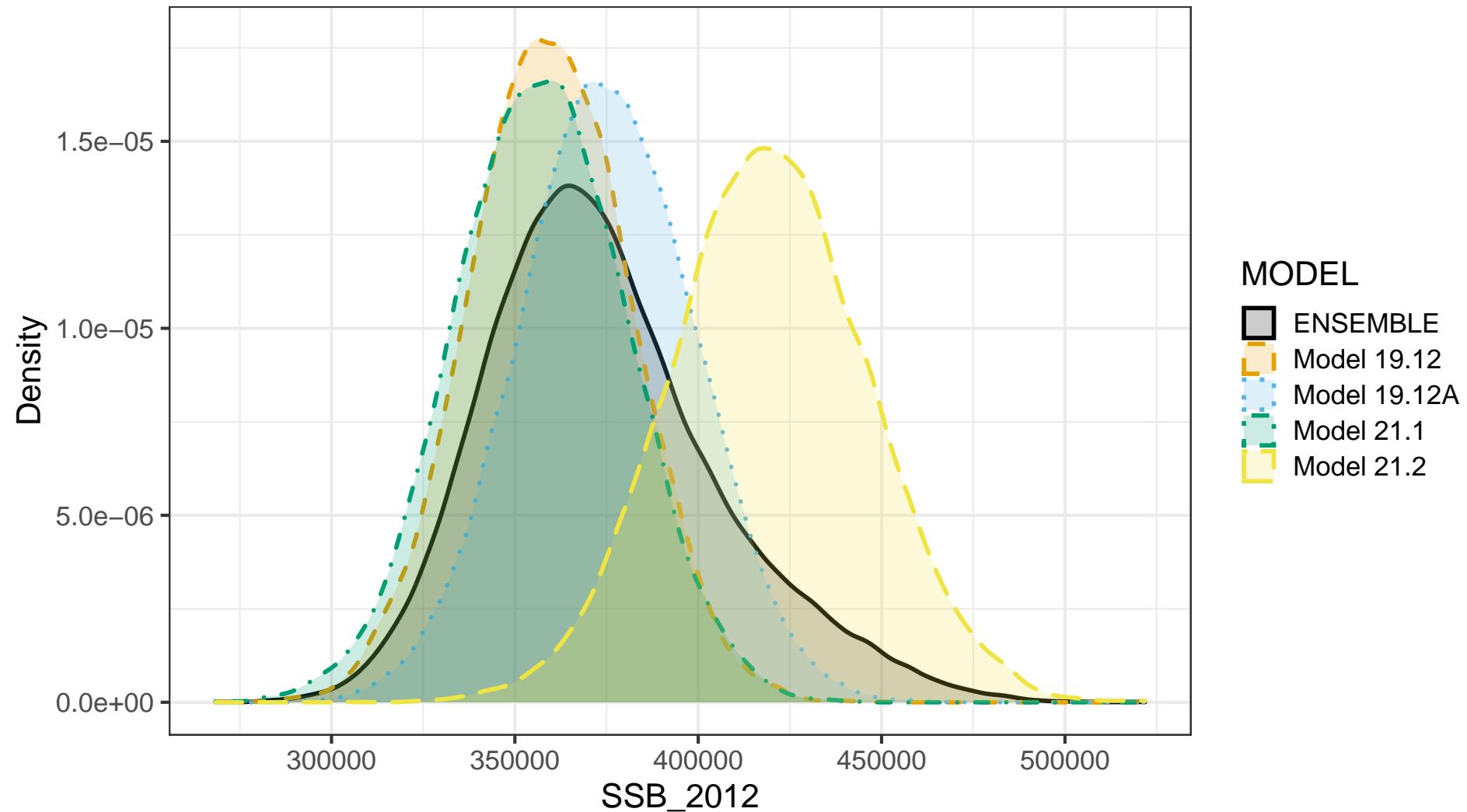
# SSB\_2010



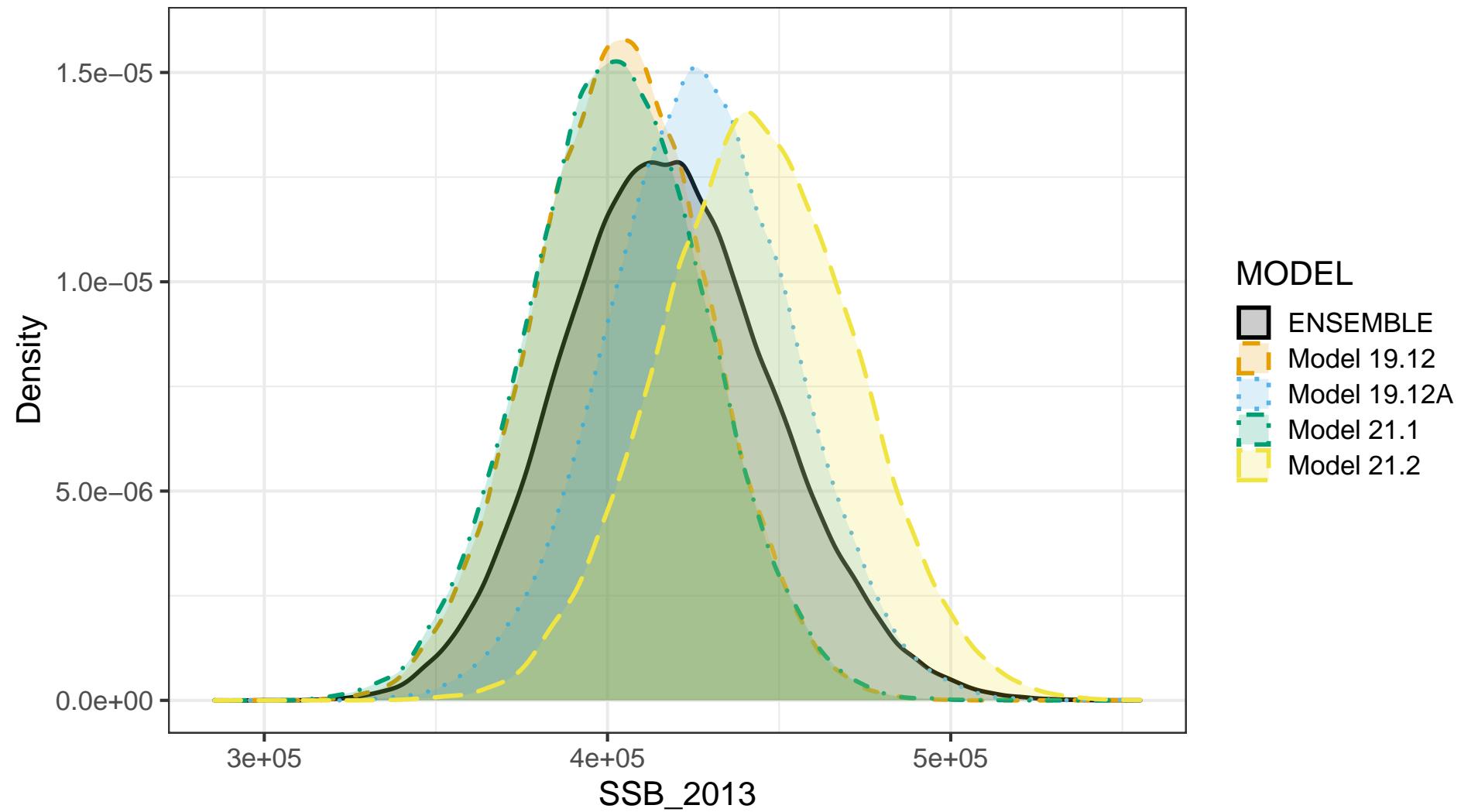
# SSB\_2011



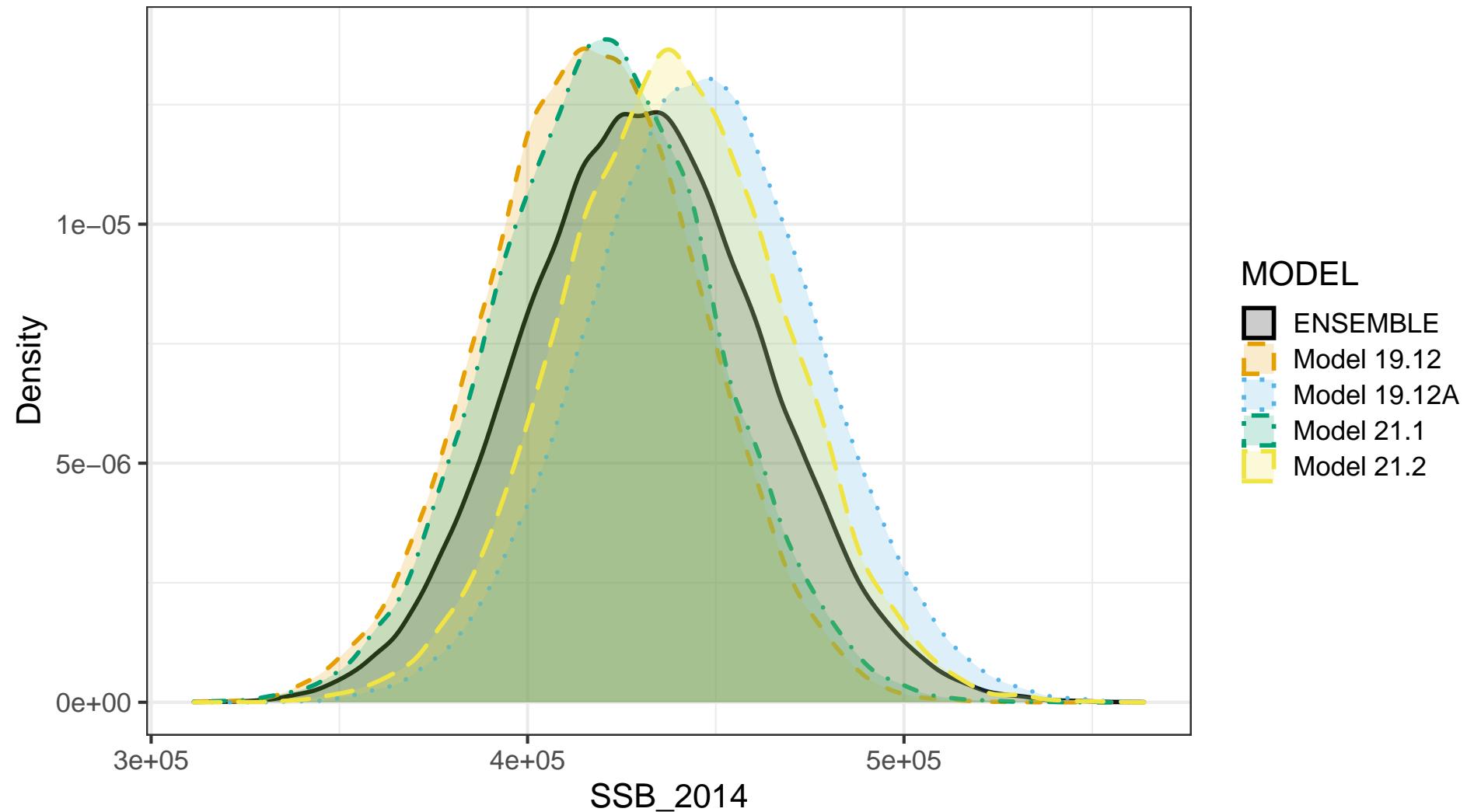
# SSB\_2012



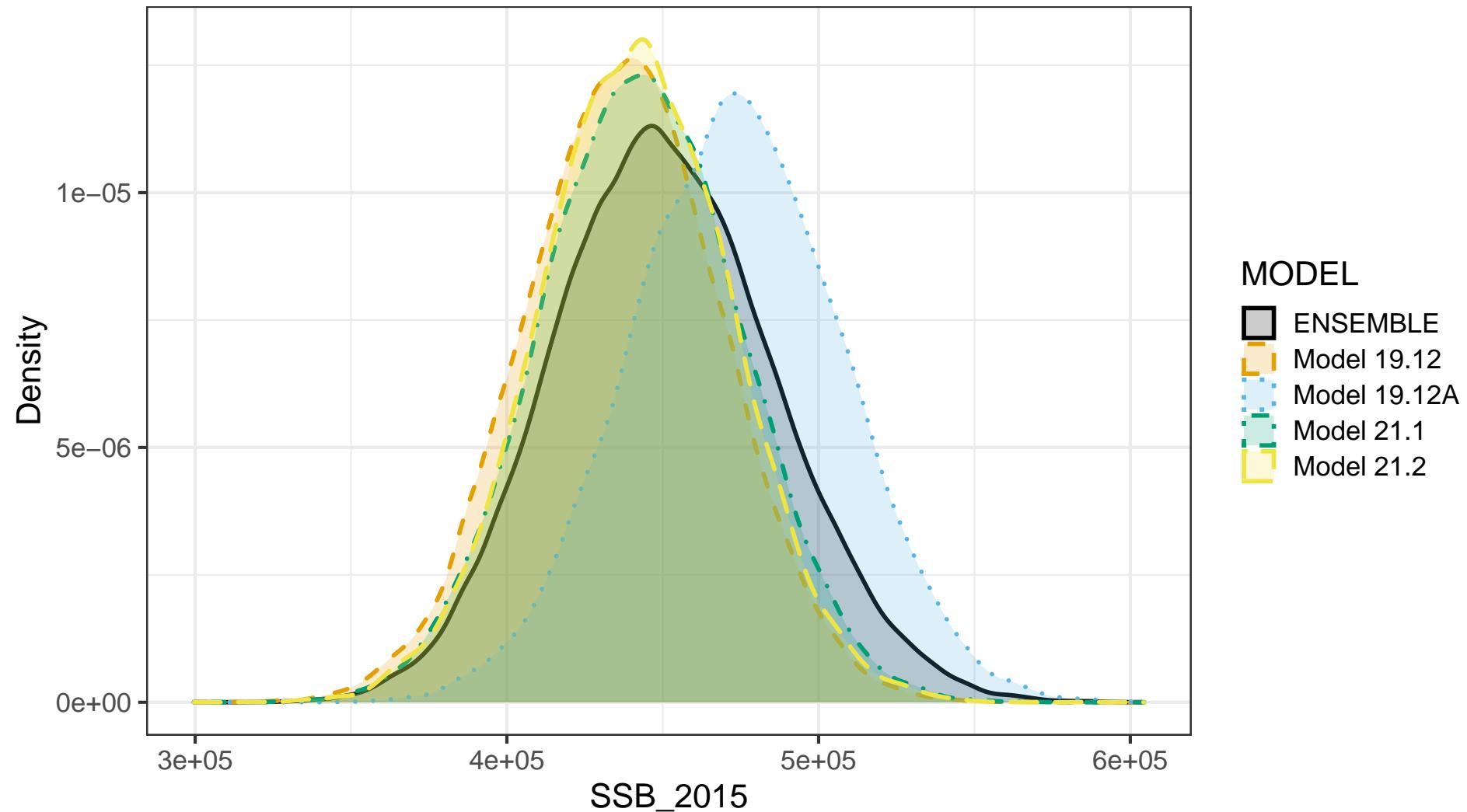
# SSB\_2013



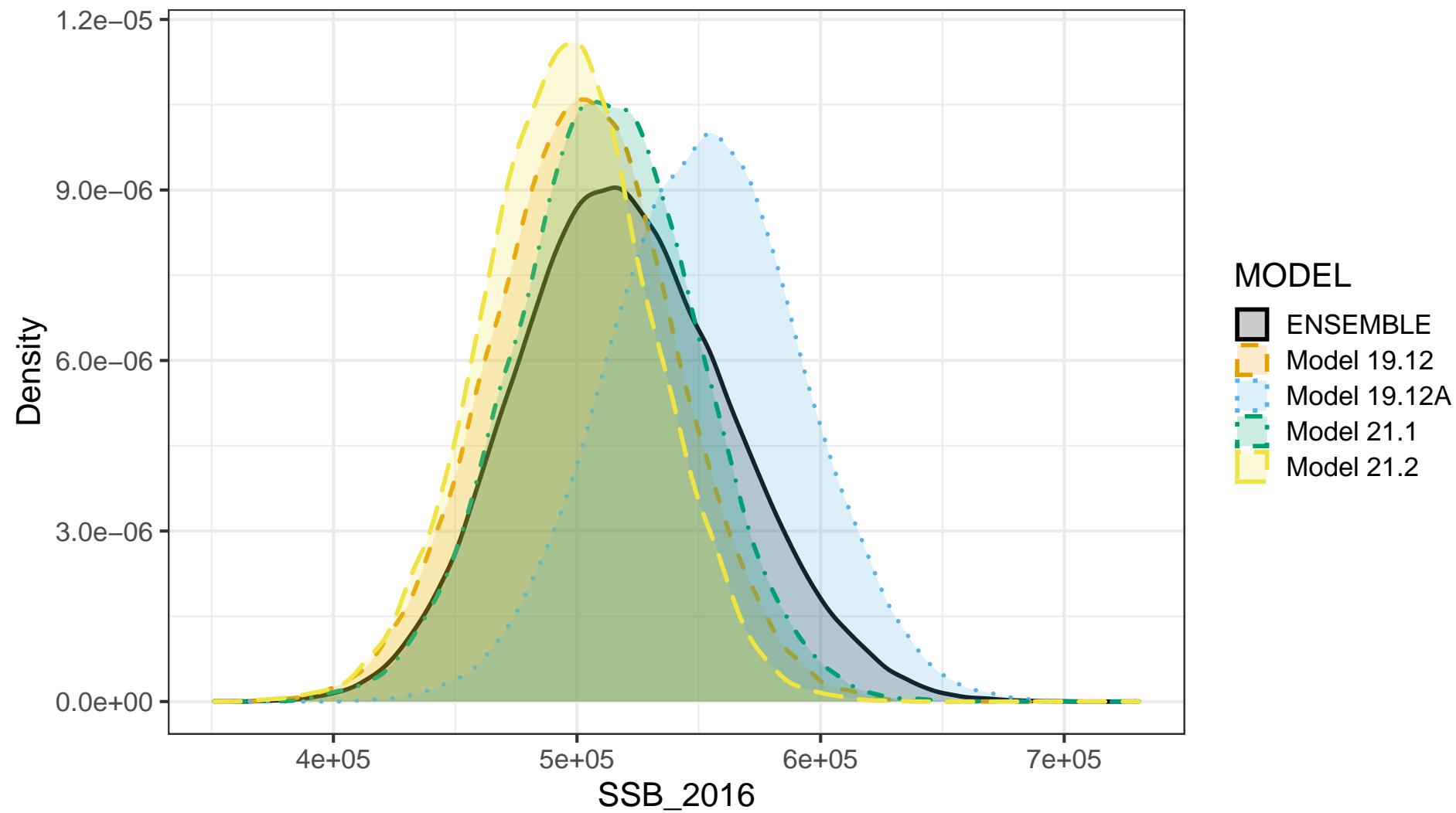
# SSB\_2014



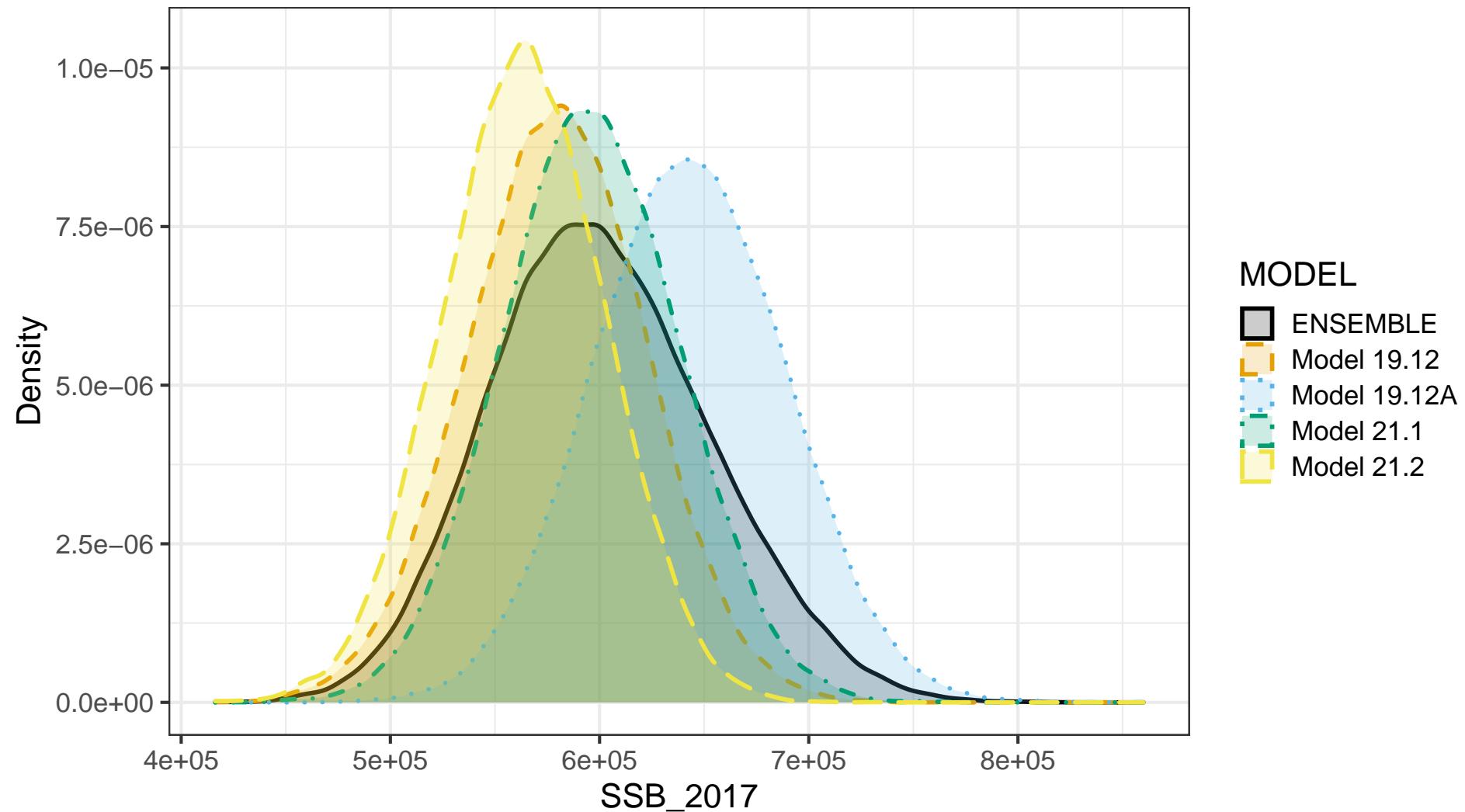
# SSB\_2015



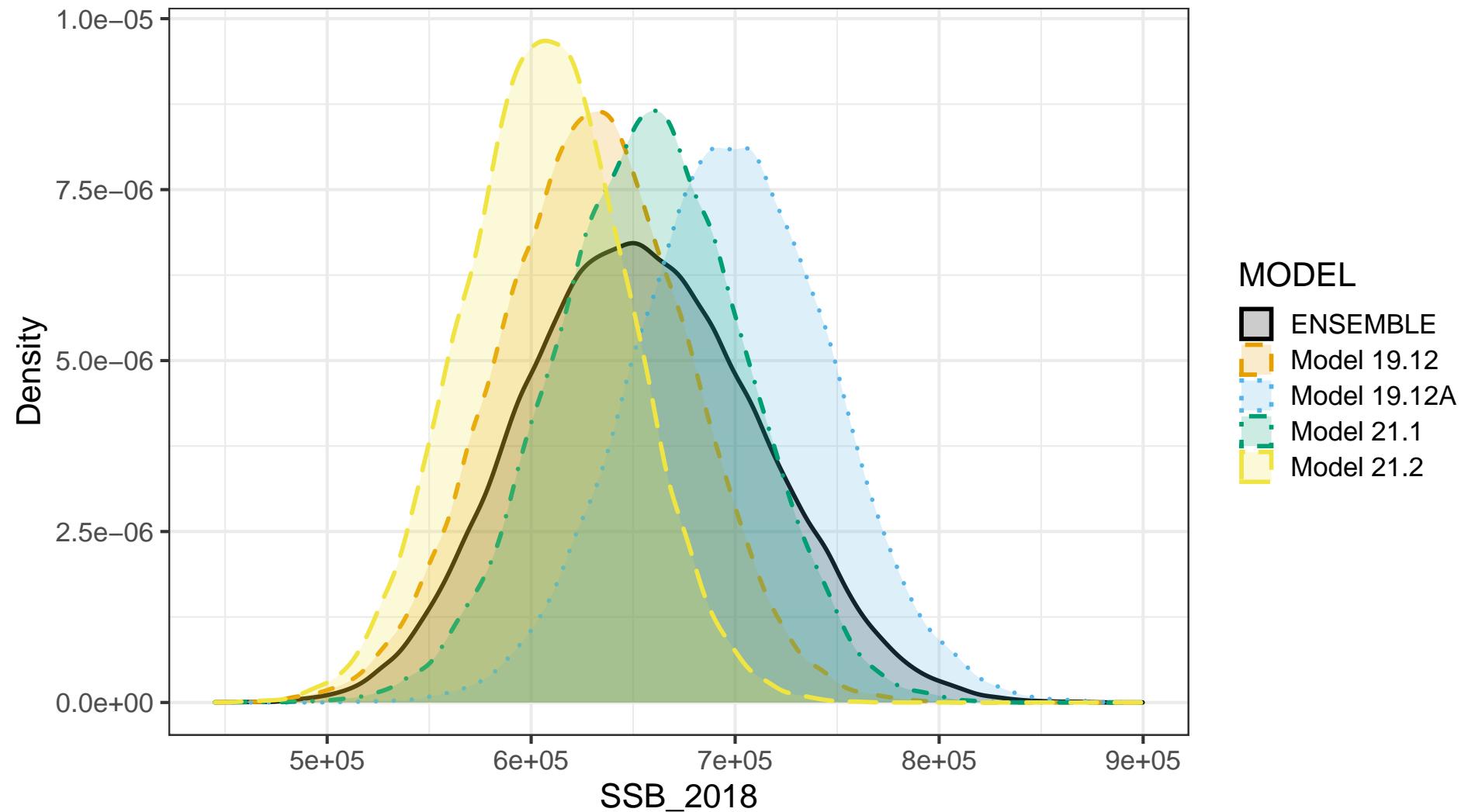
# SSB\_2016



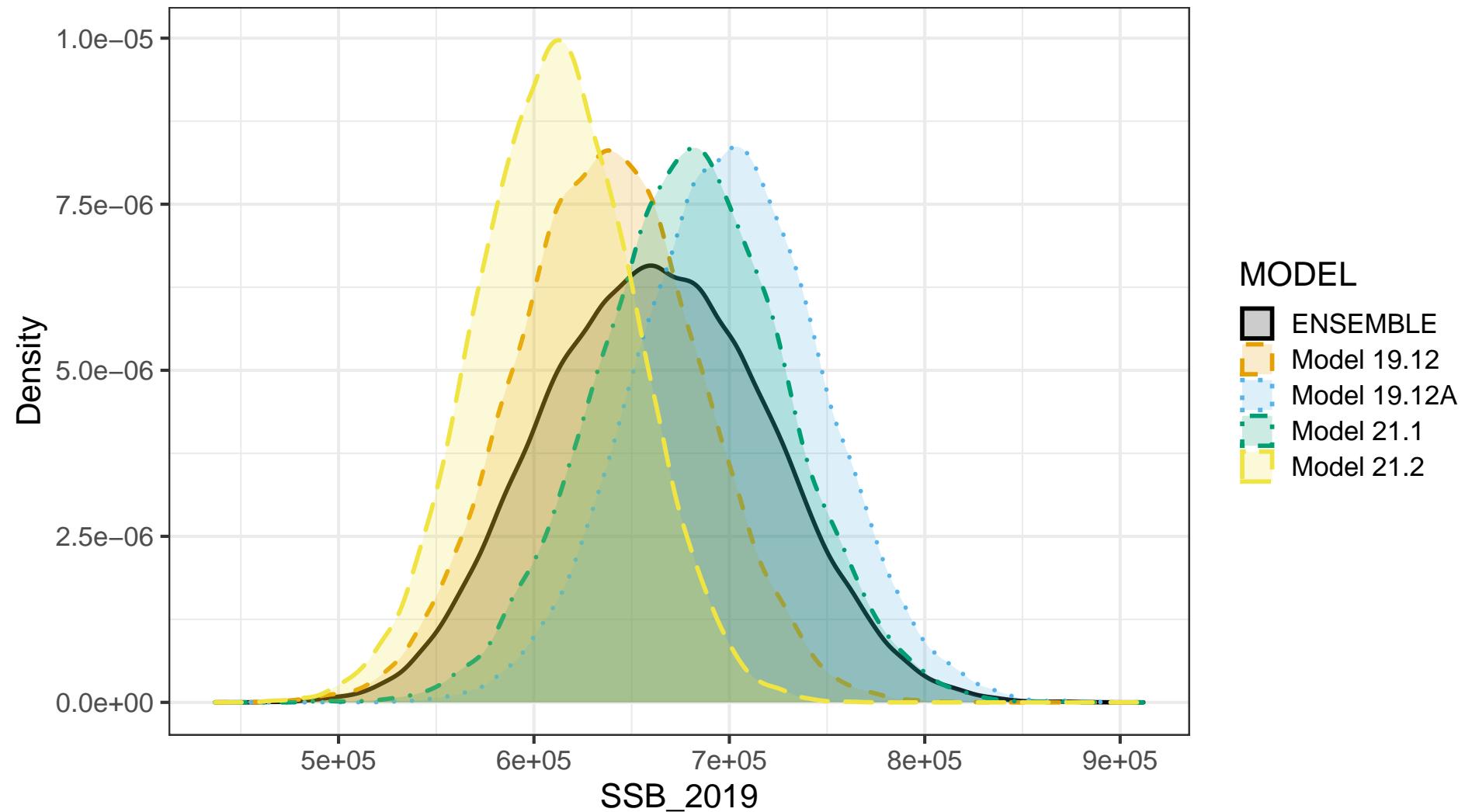
# SSB\_2017



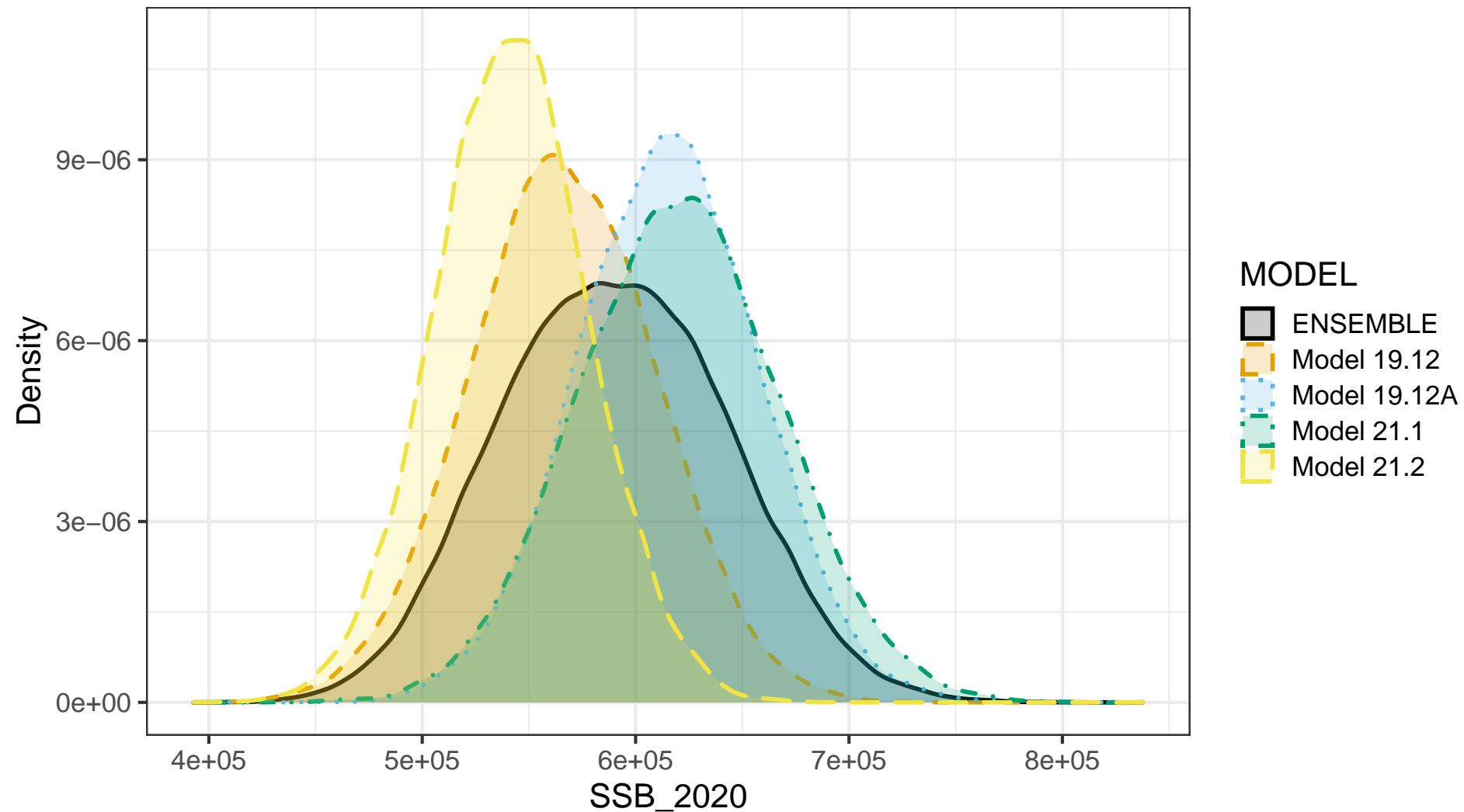
# SSB\_2018



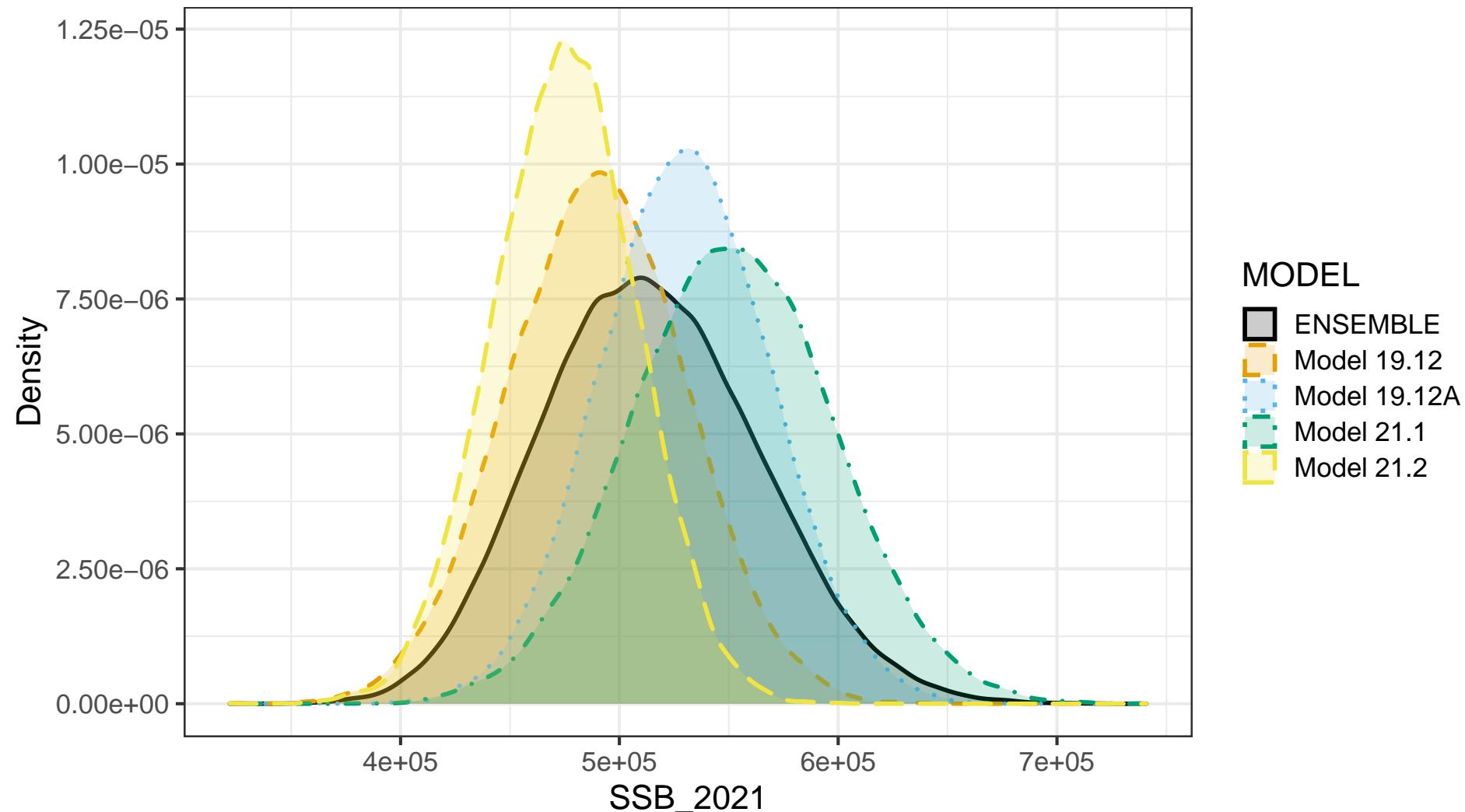
# SSB\_2019



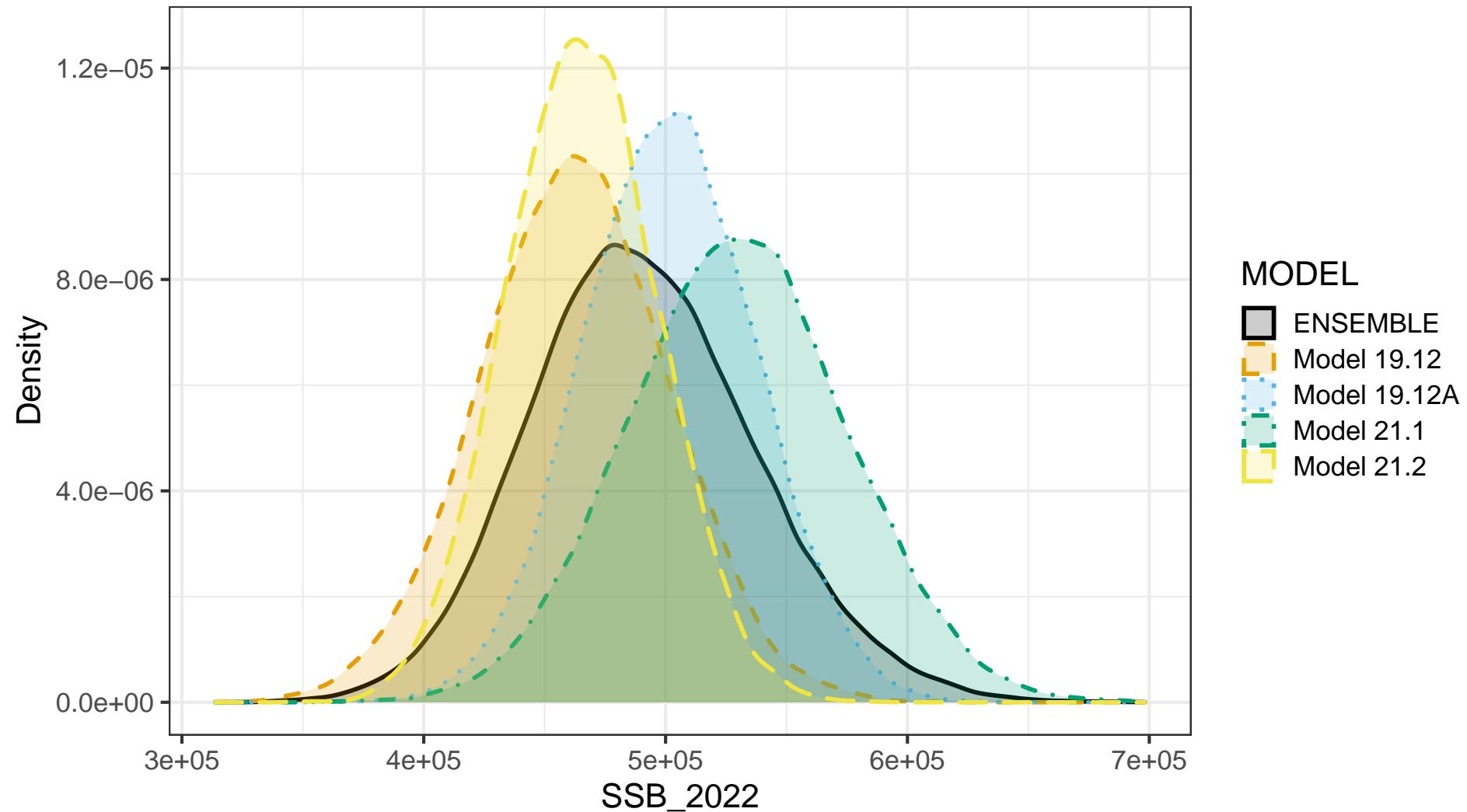
# SSB\_2020



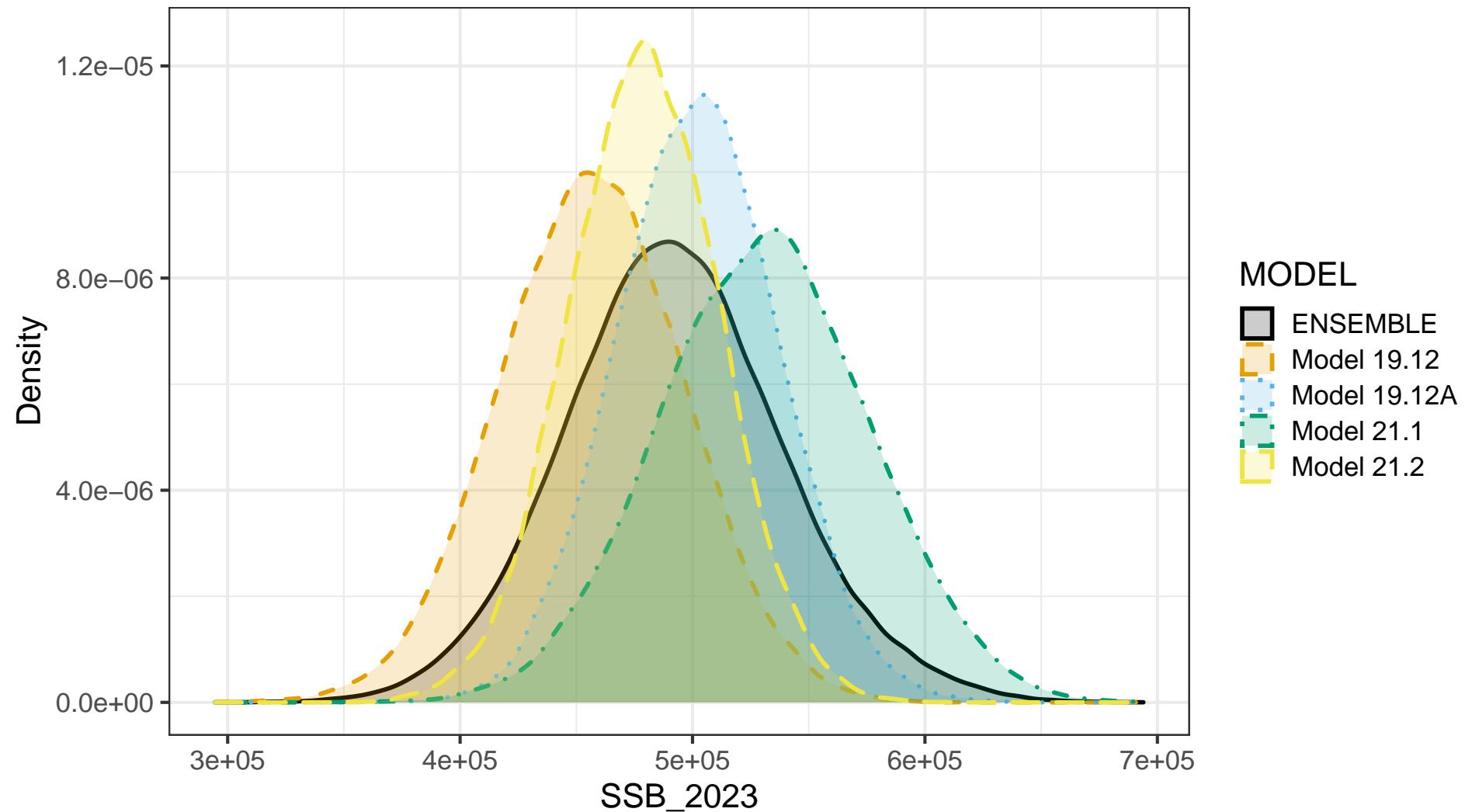
# SSB\_2021



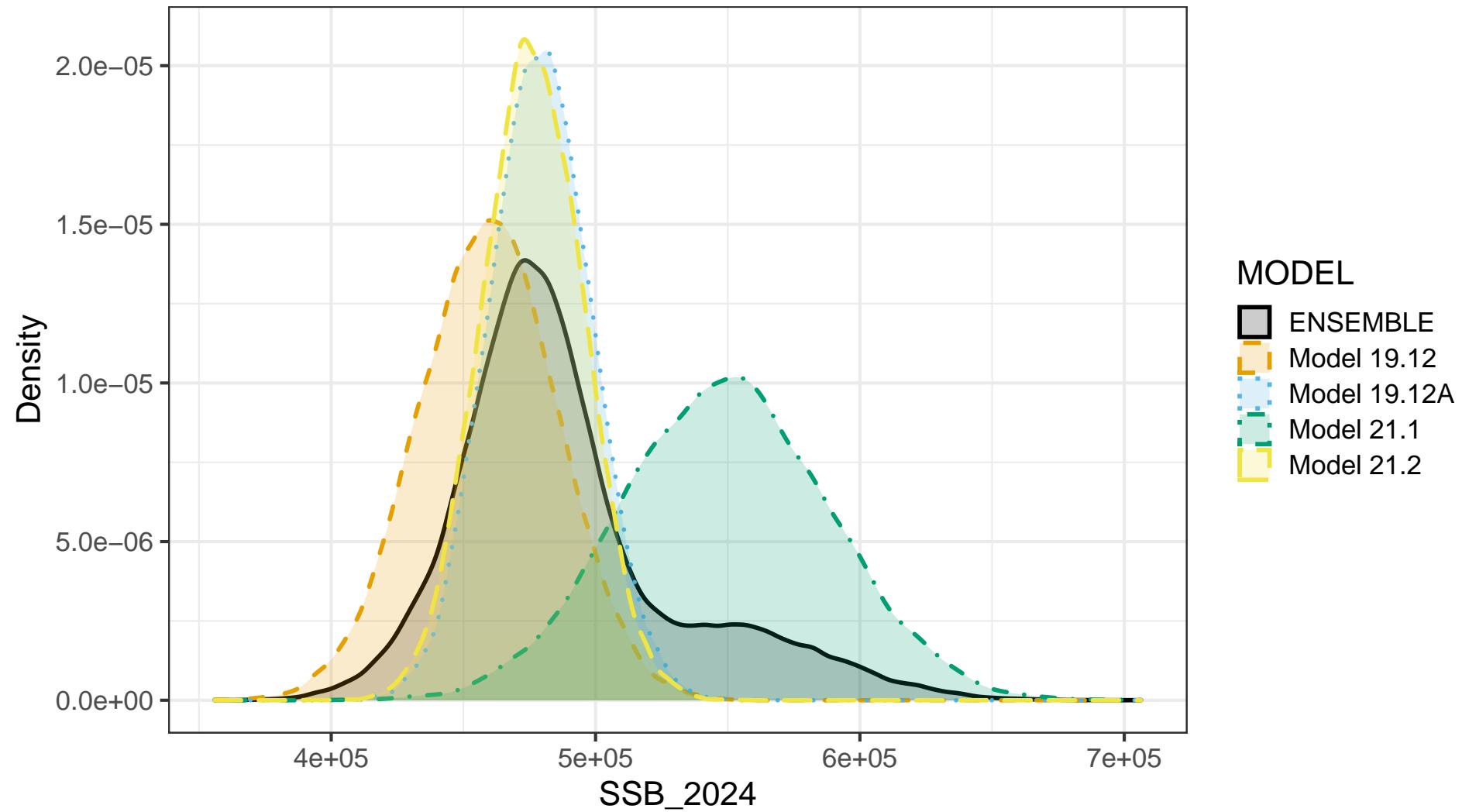
# SSB\_2022



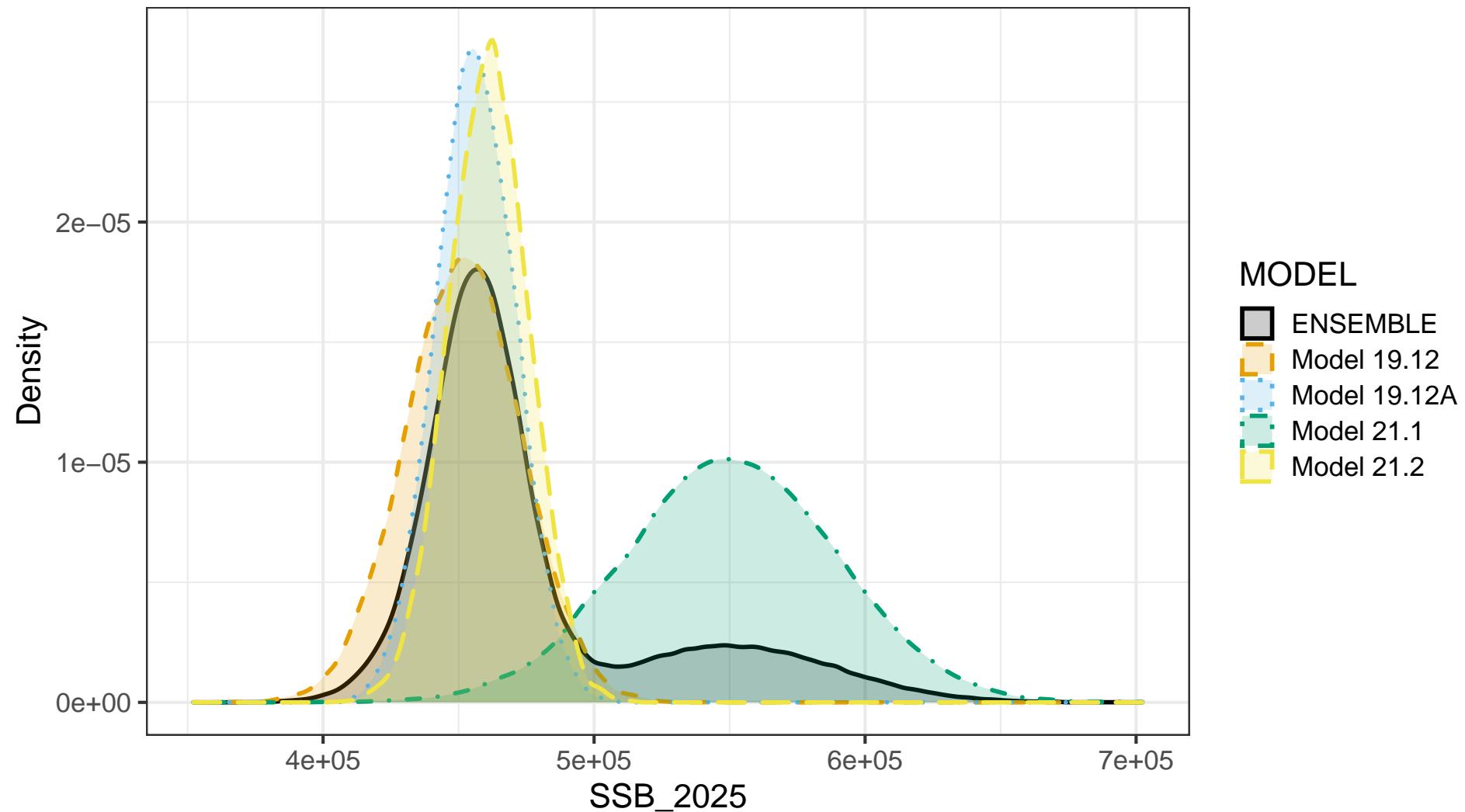
# SSB\_2023



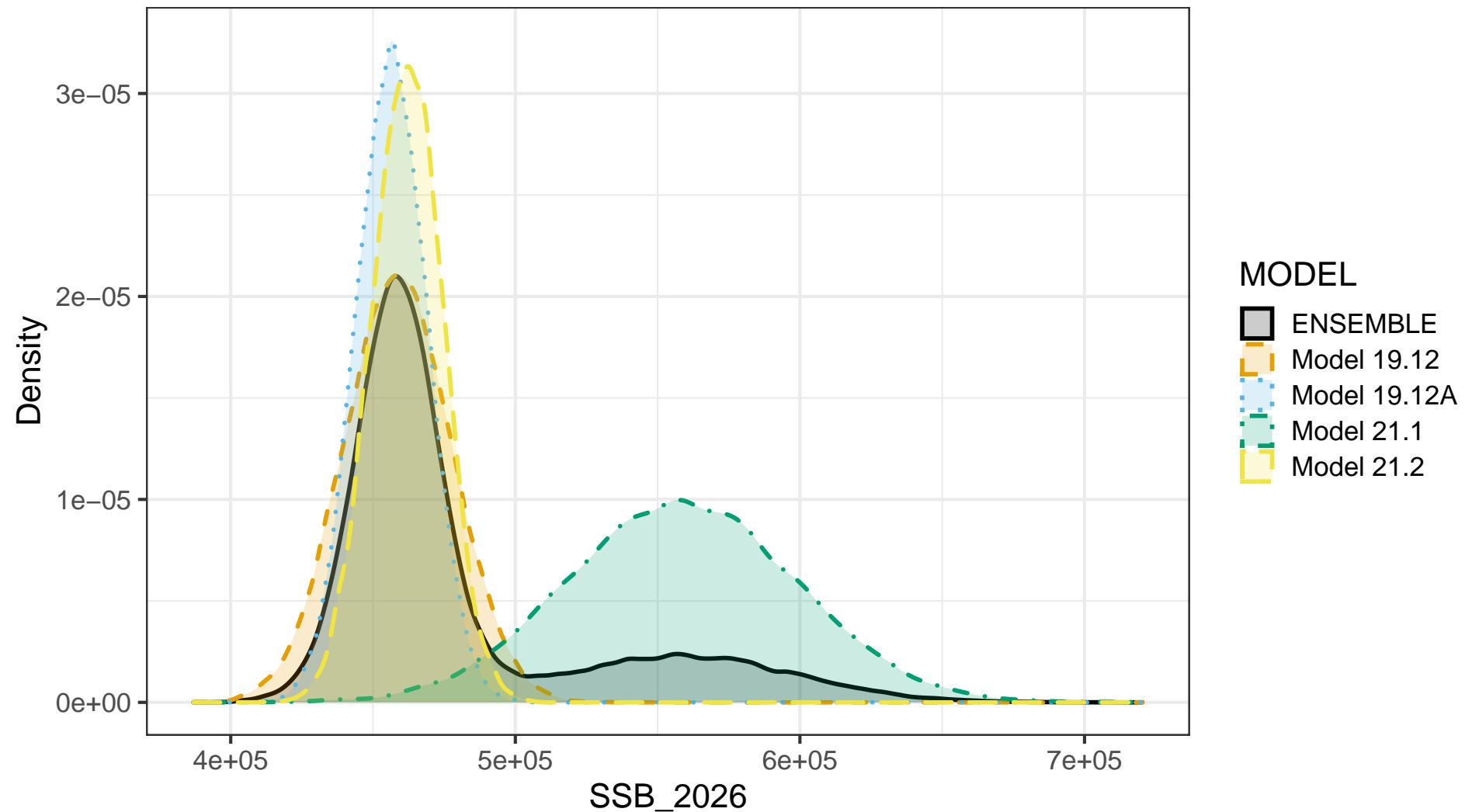
# SSB\_2024



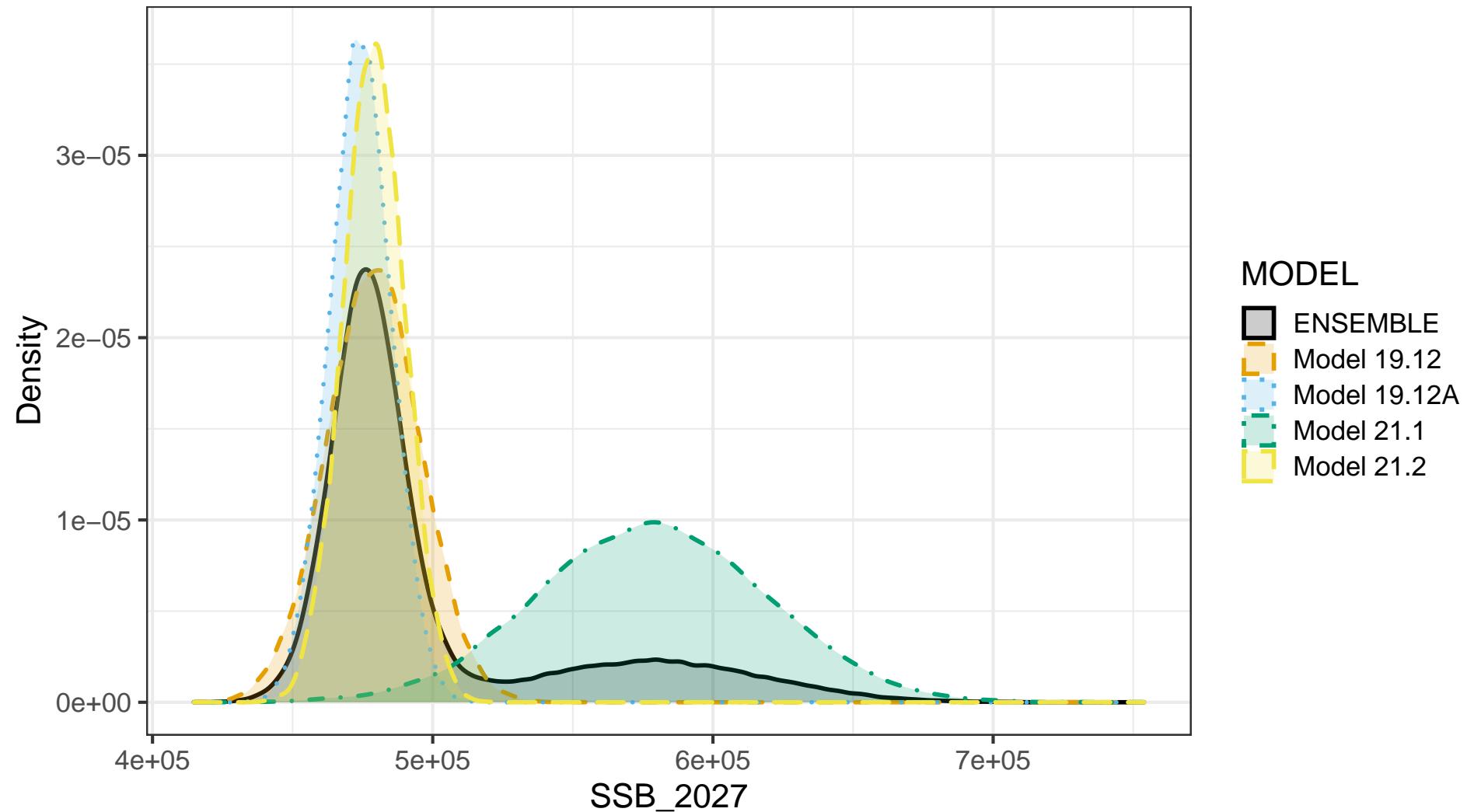
# SSB\_2025



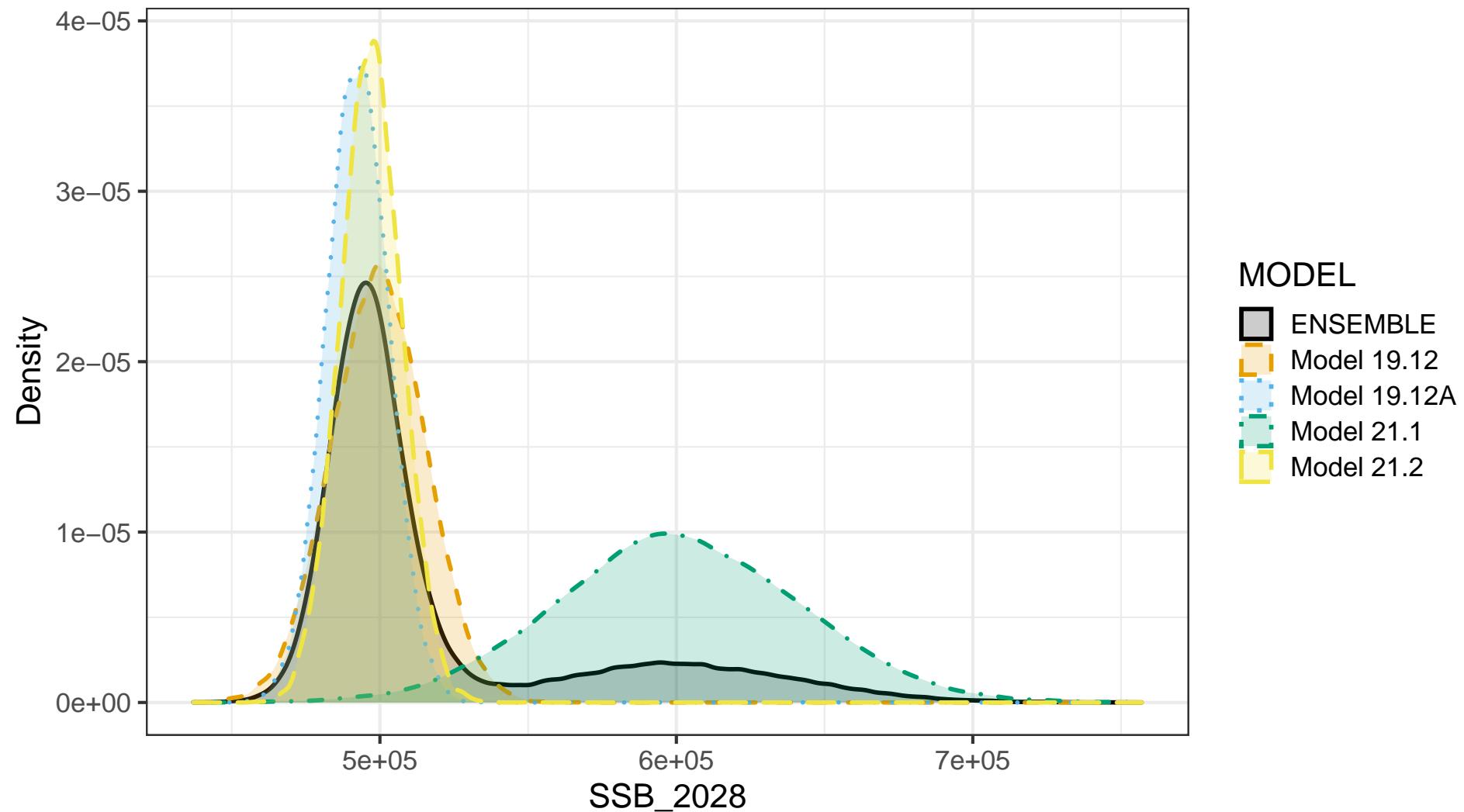
# SSB\_2026



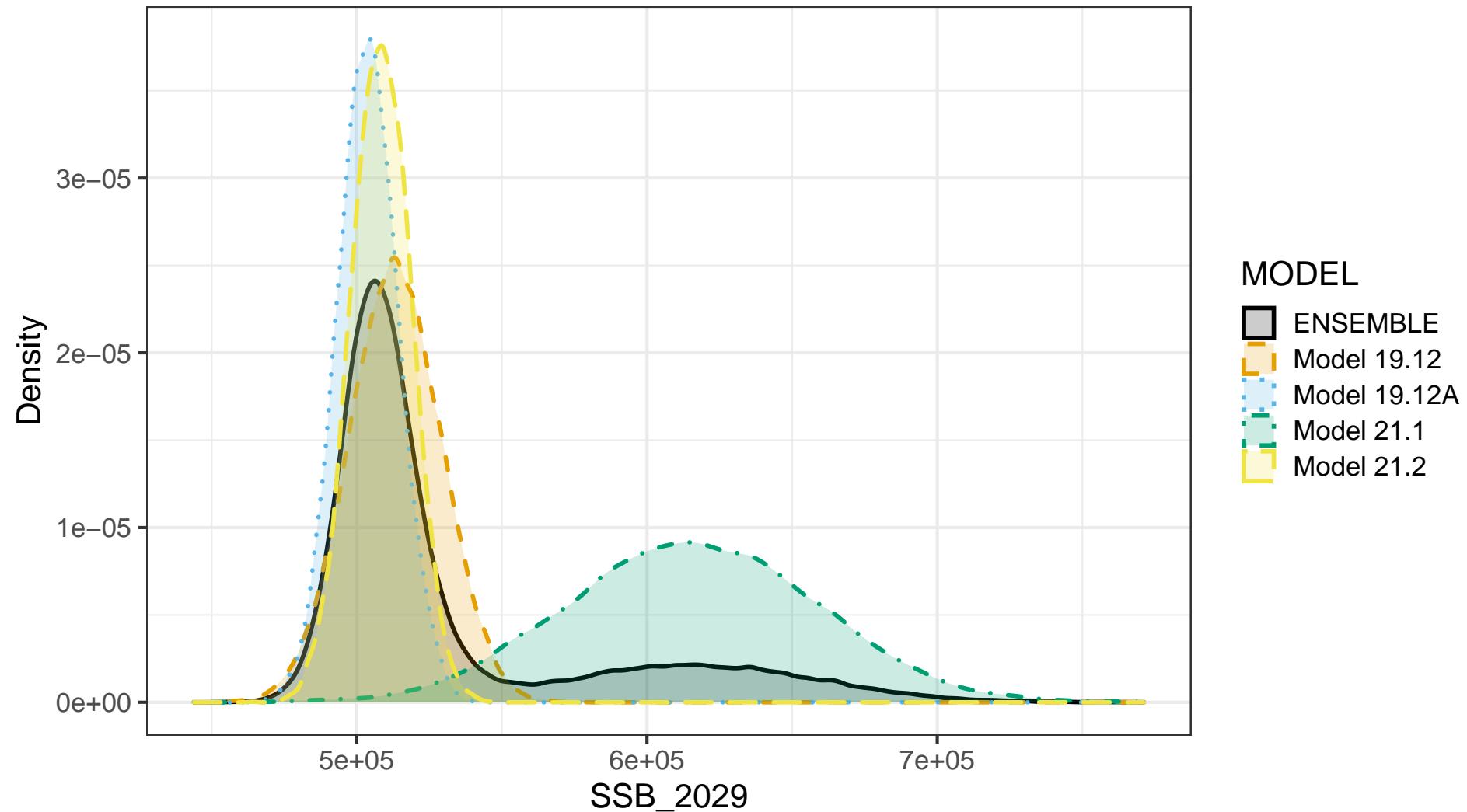
# SSB\_2027



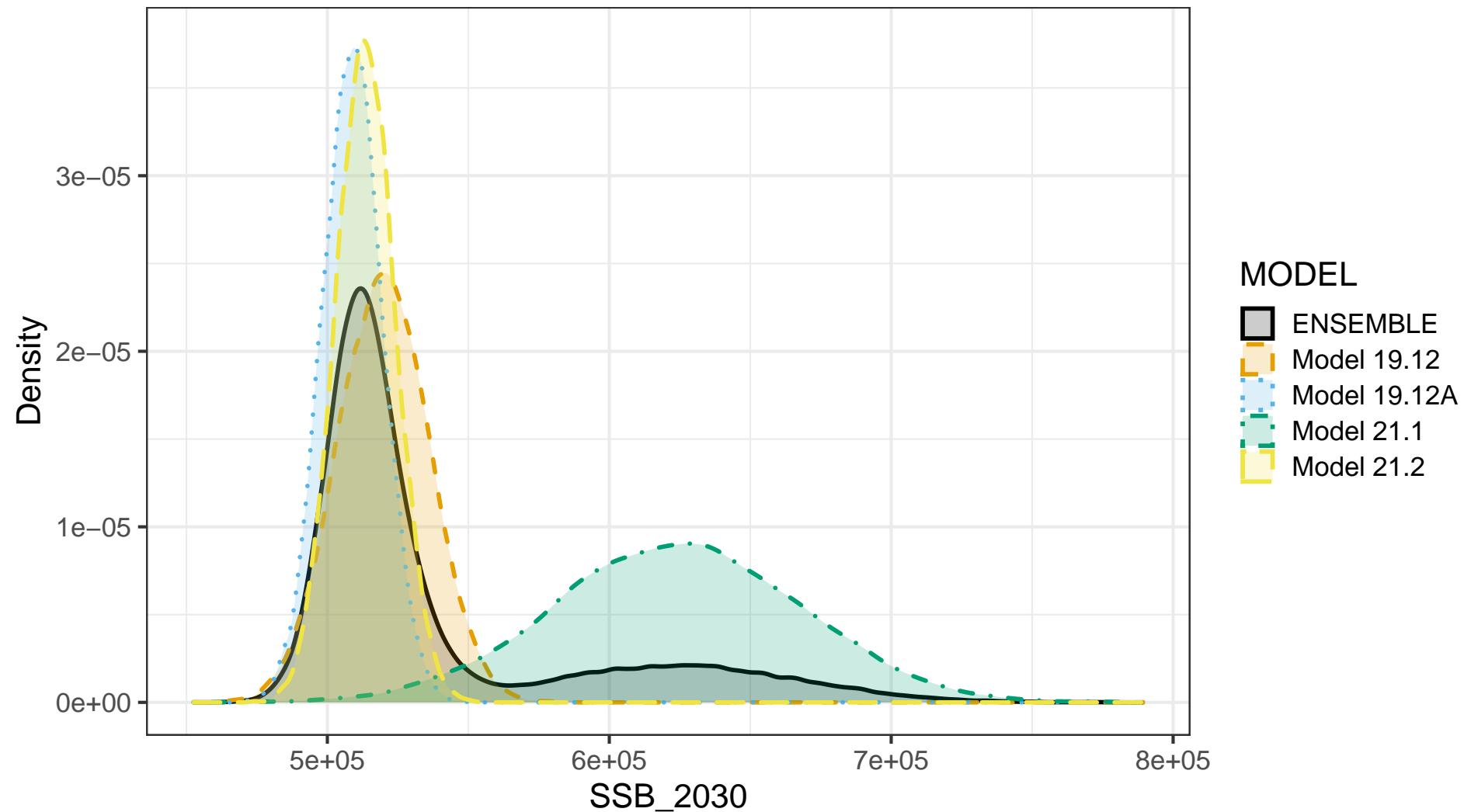
# SSB\_2028



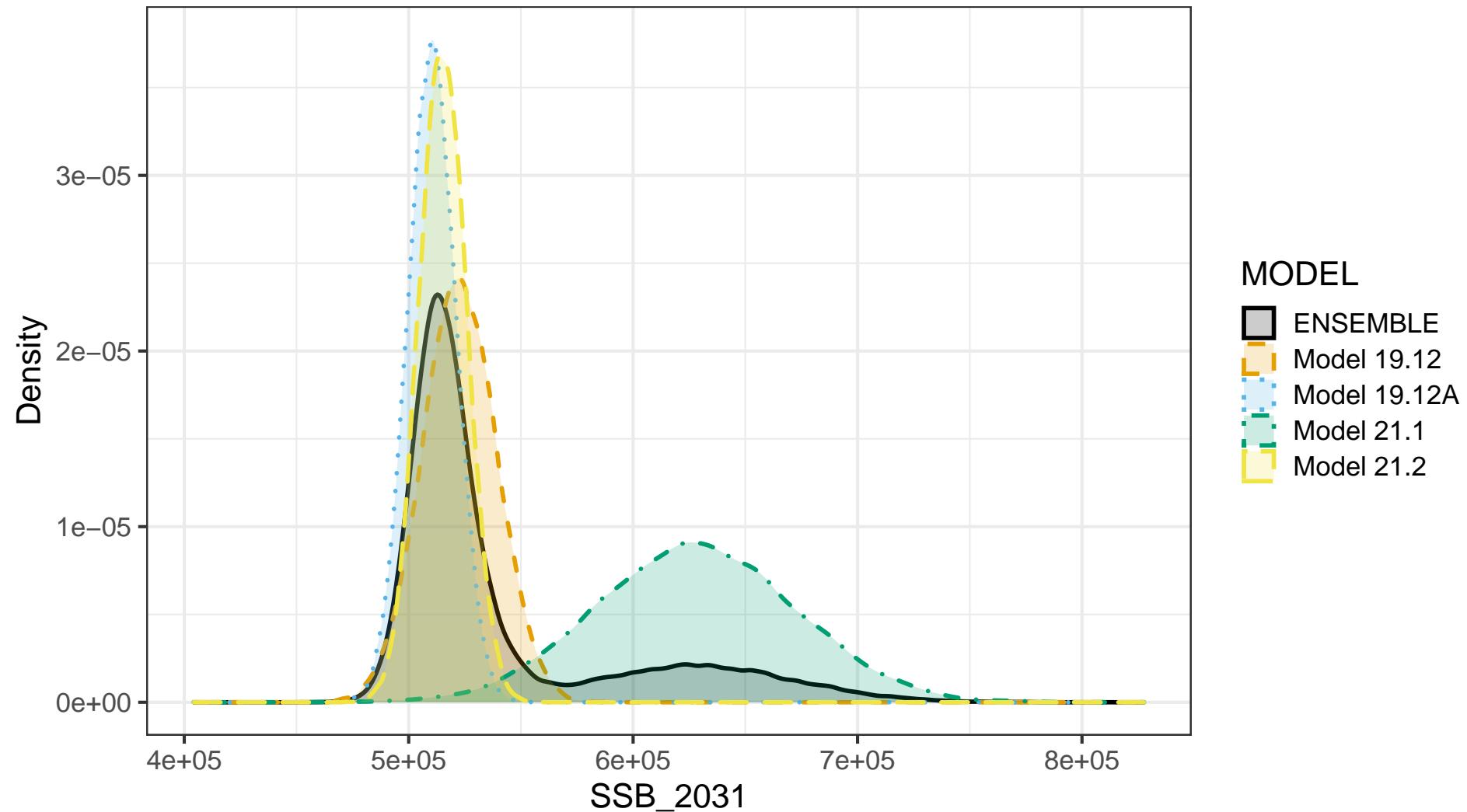
# SSB\_2029



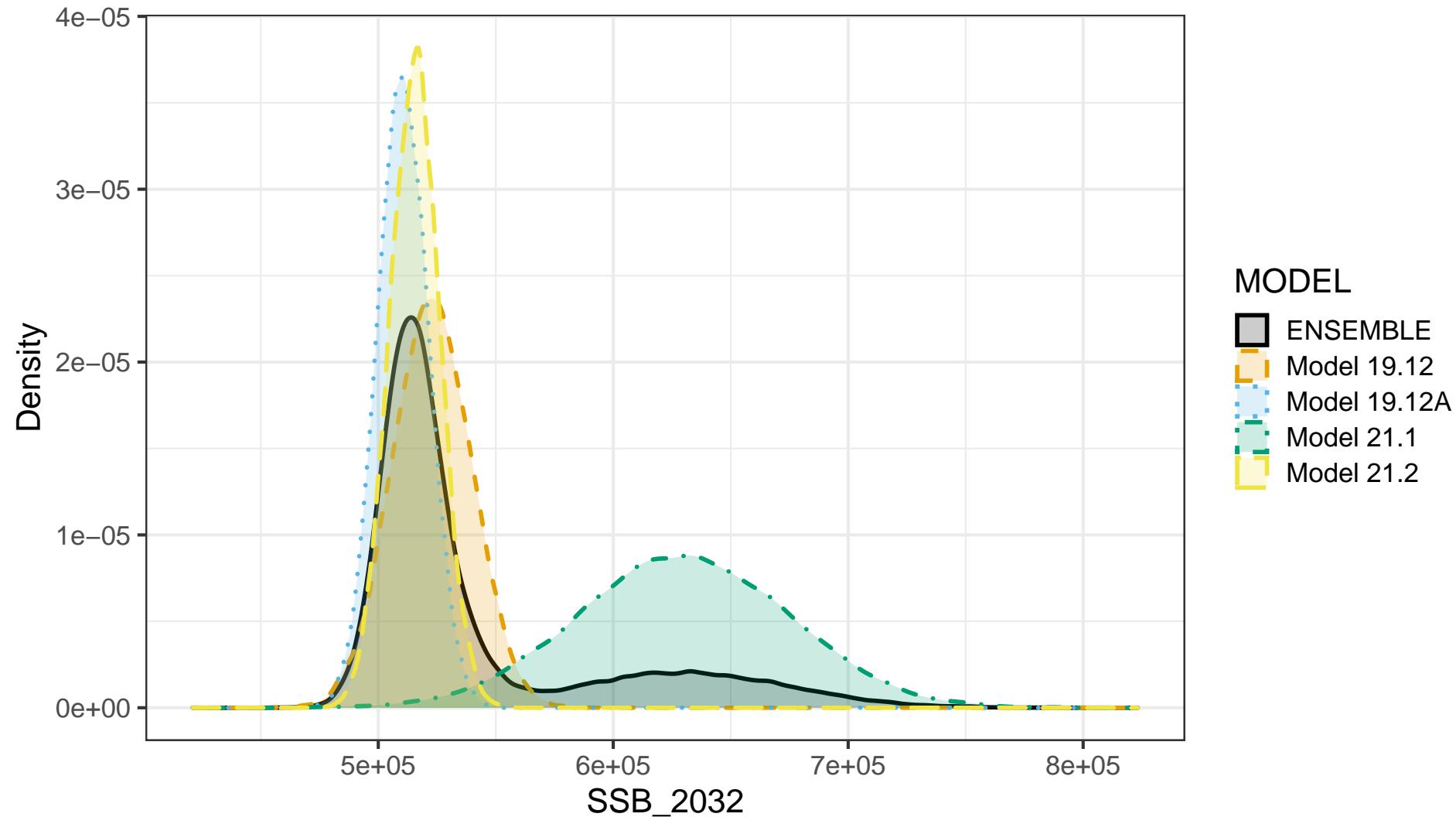
# SSB\_2030



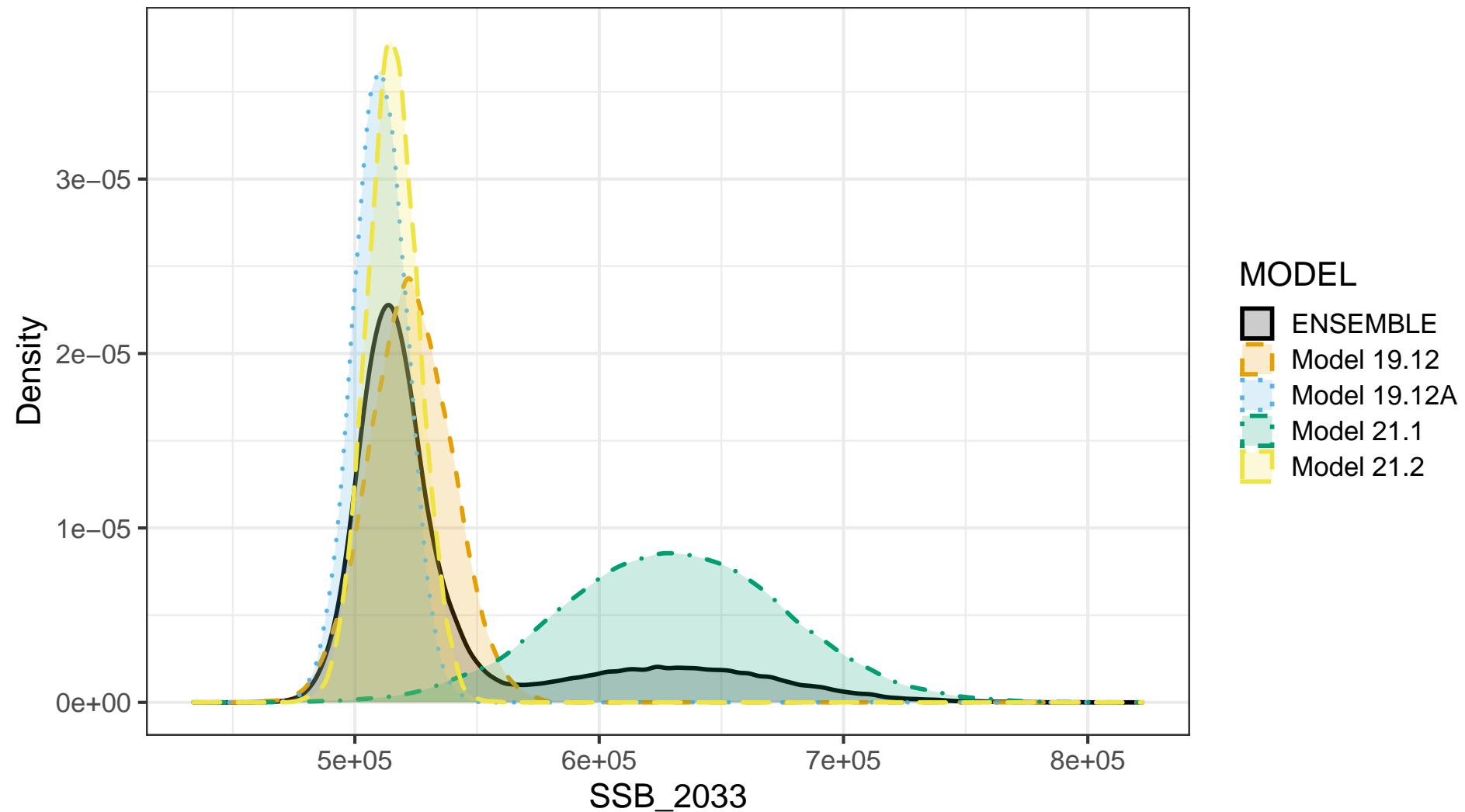
# SSB\_2031



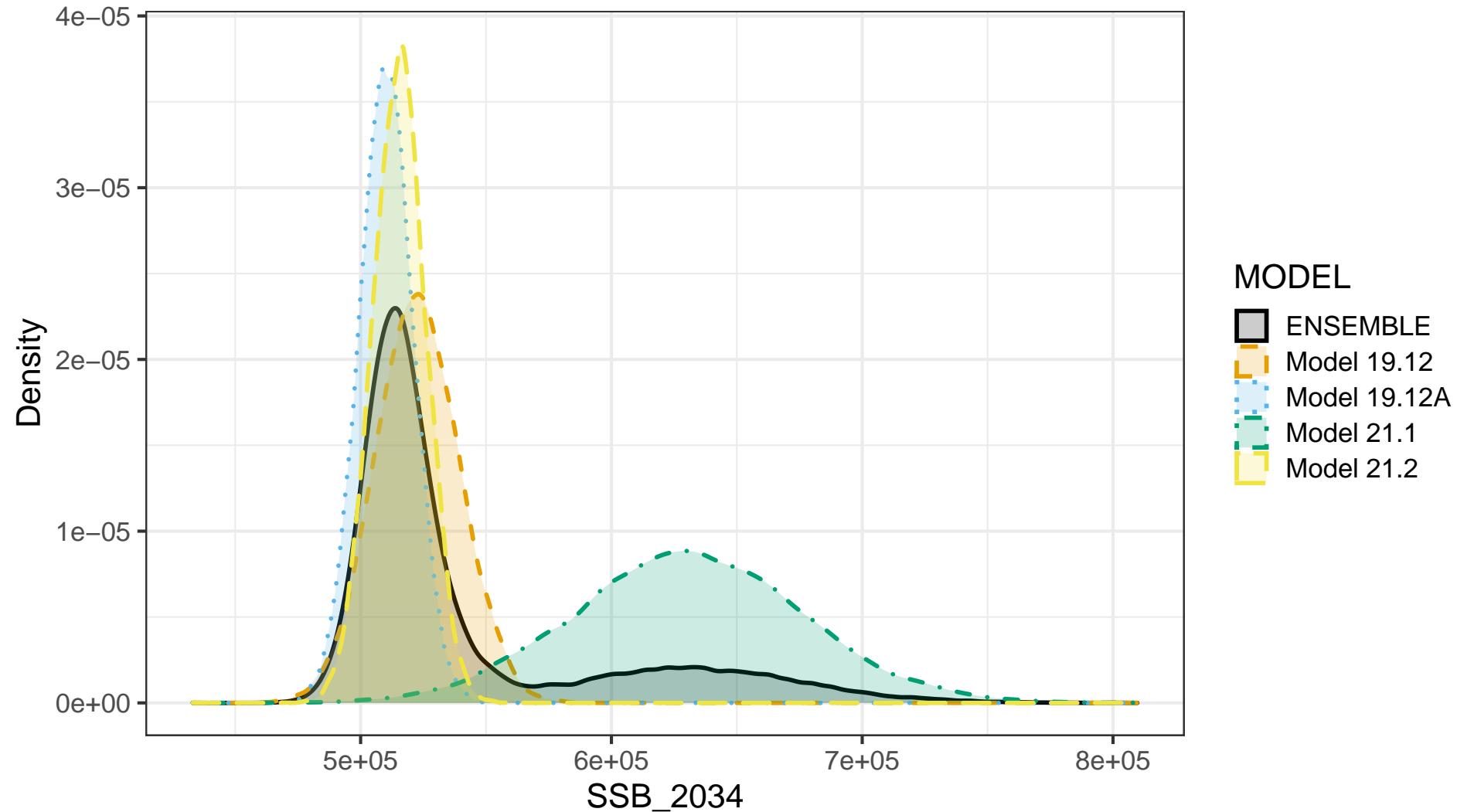
# SSB\_2032



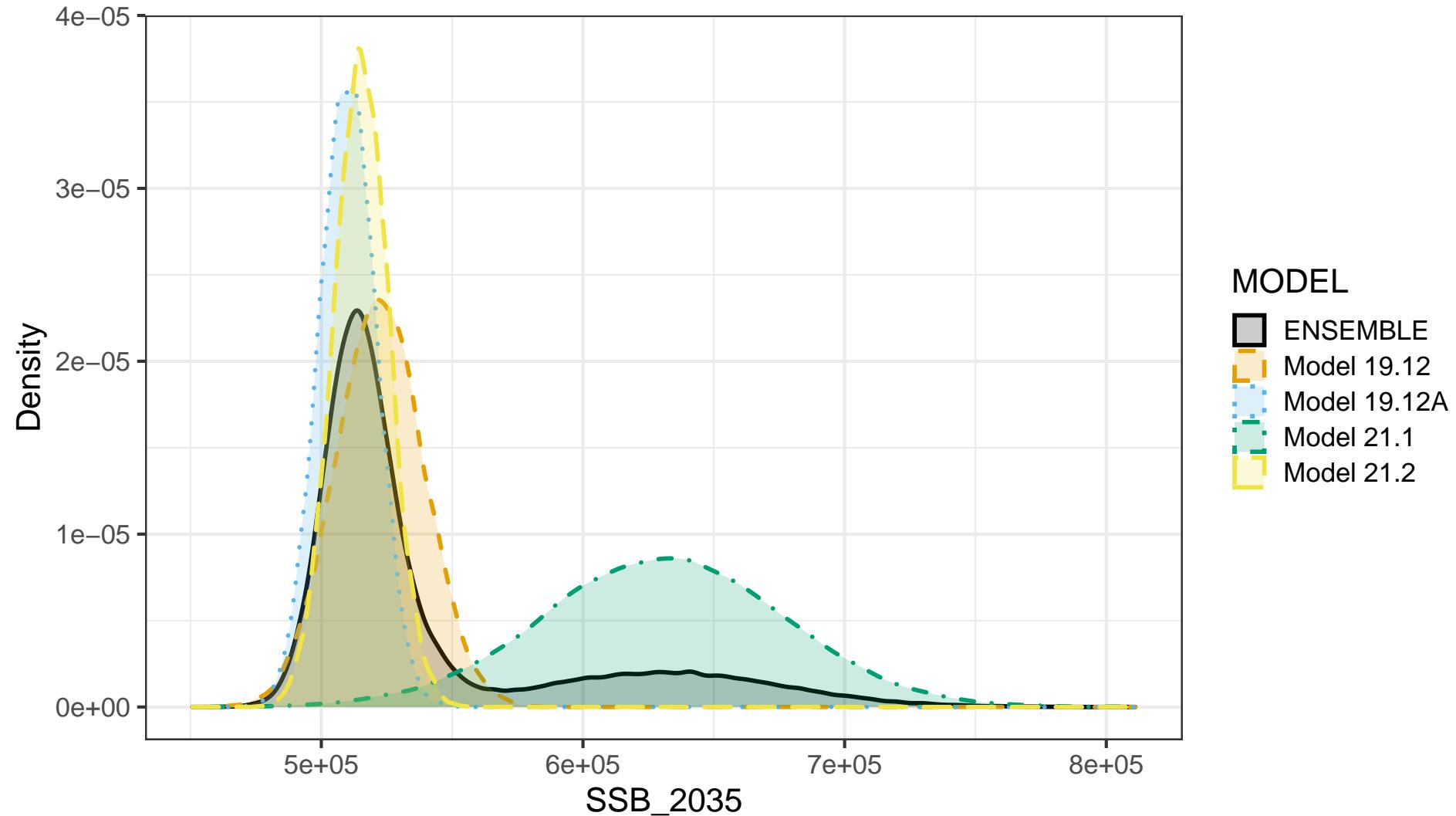
# SSB\_2033



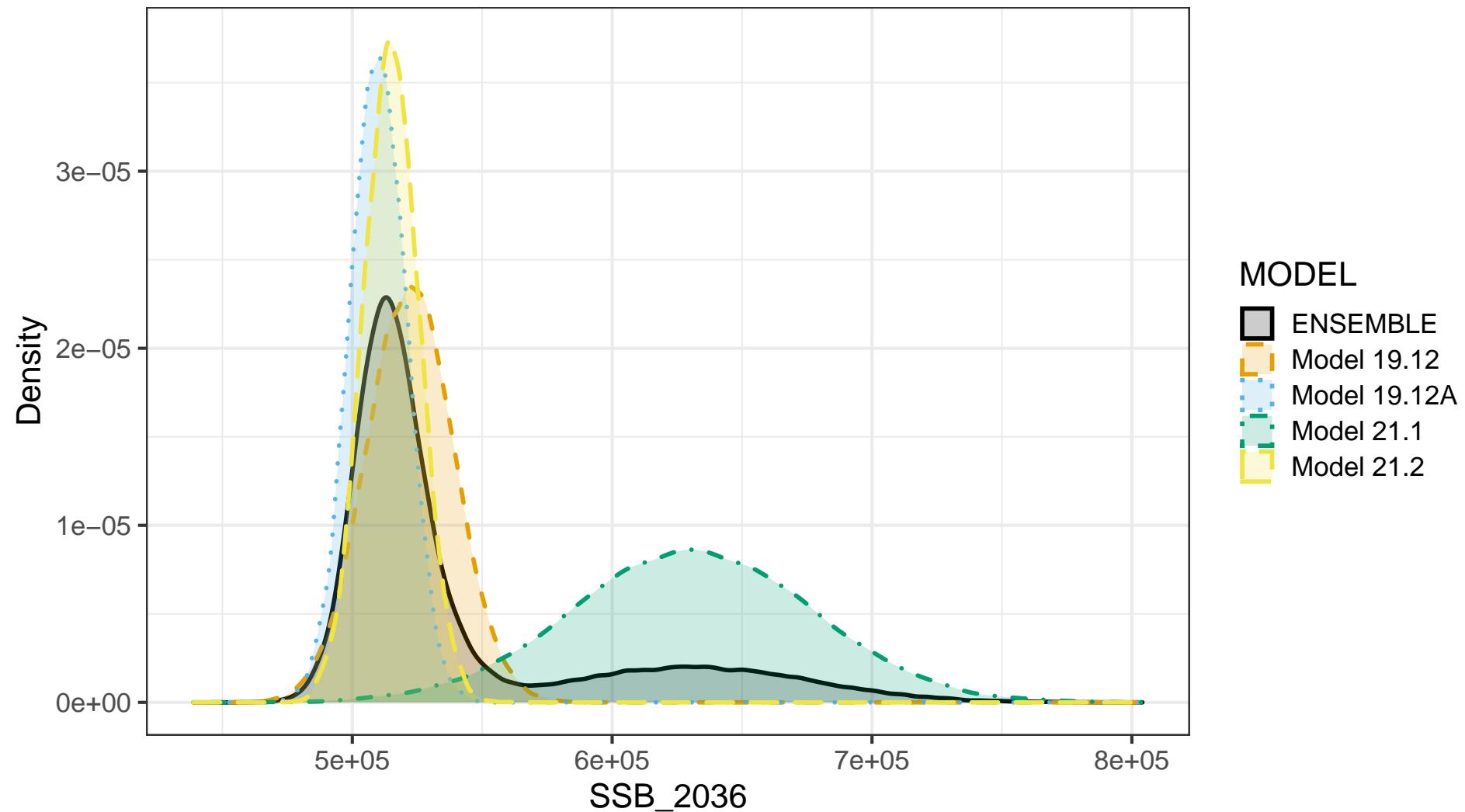
# SSB\_2034



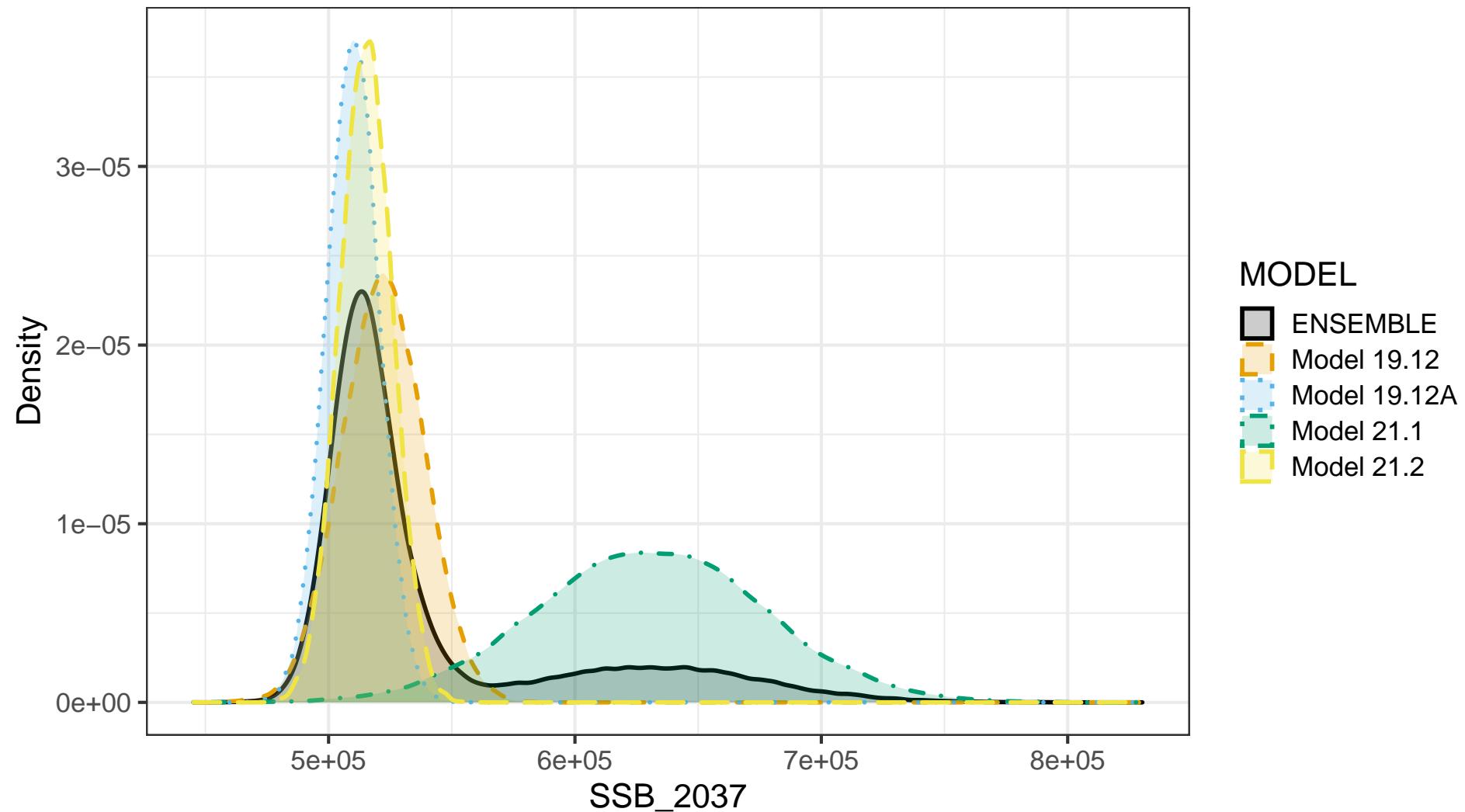
# SSB\_2035



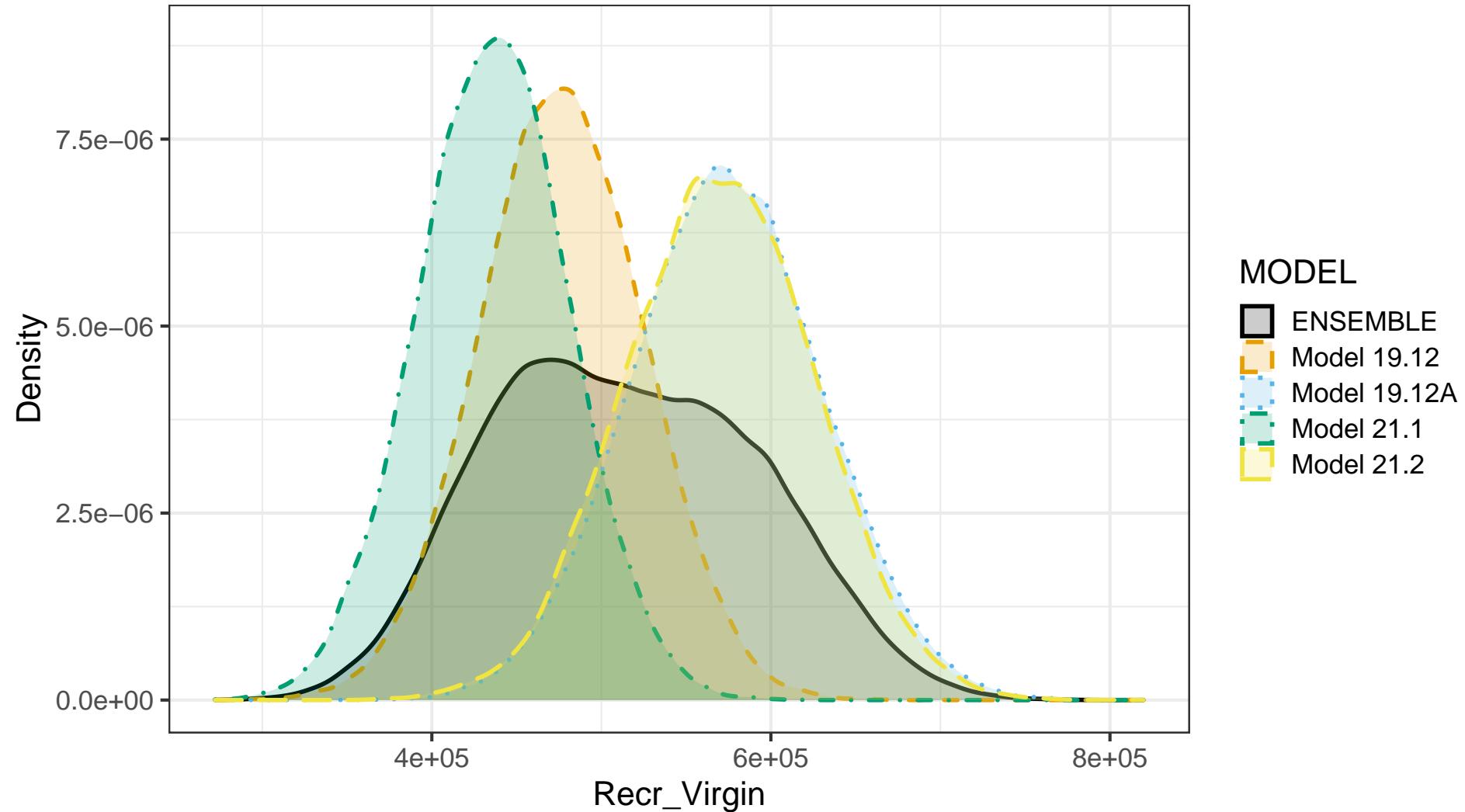
# SSB\_2036



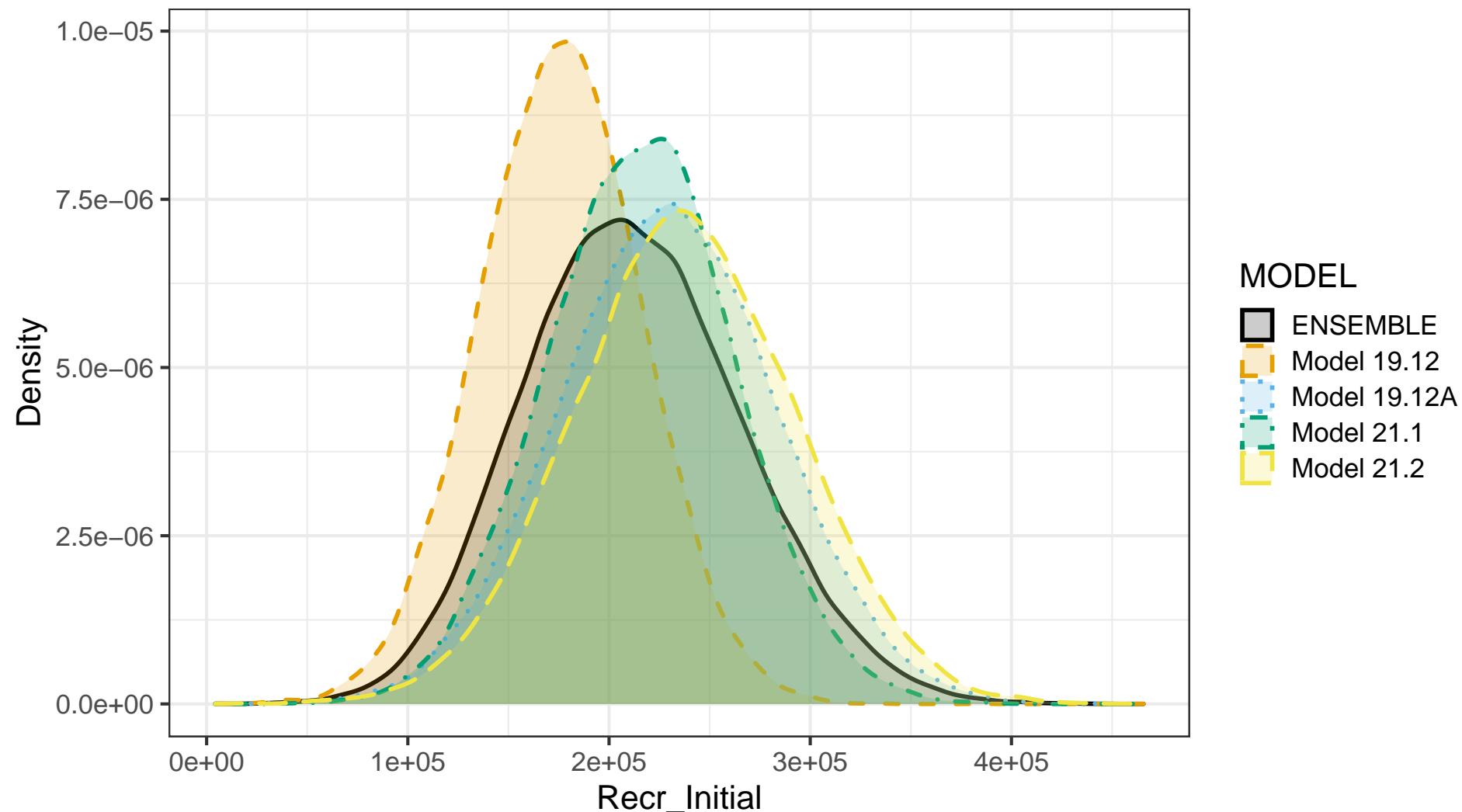
# SSB\_2037



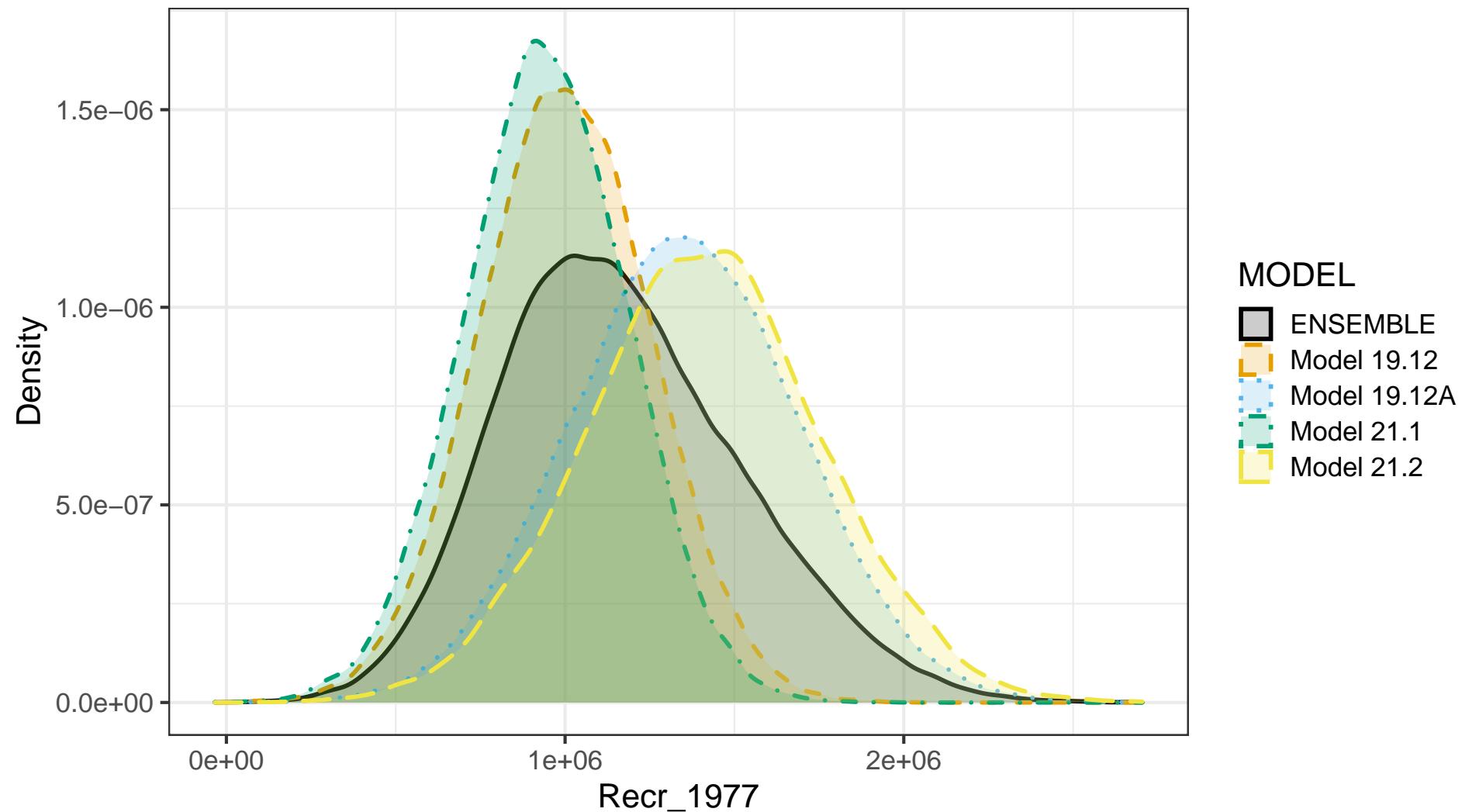
# Recr\_Virgin



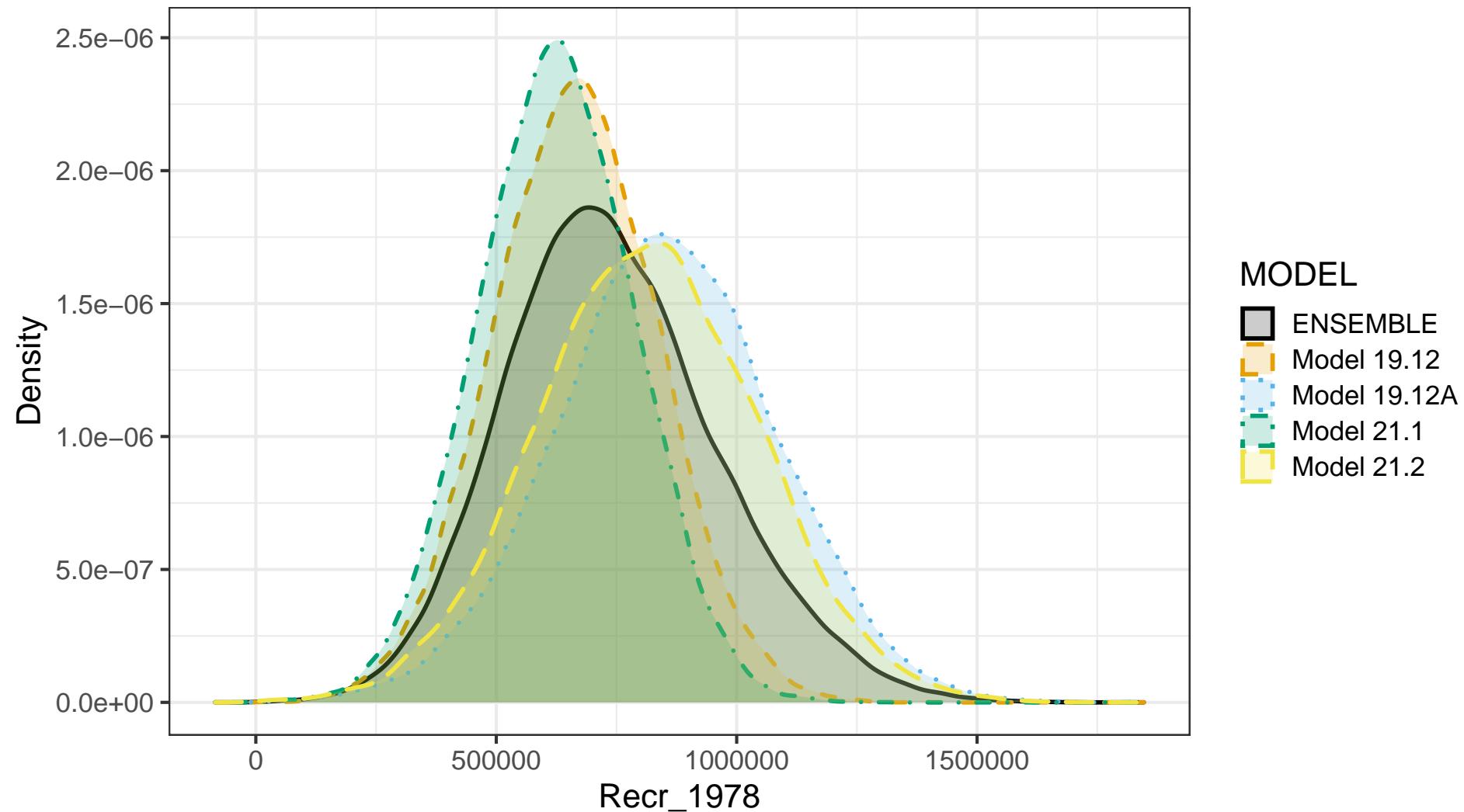
# Recr\_Initial



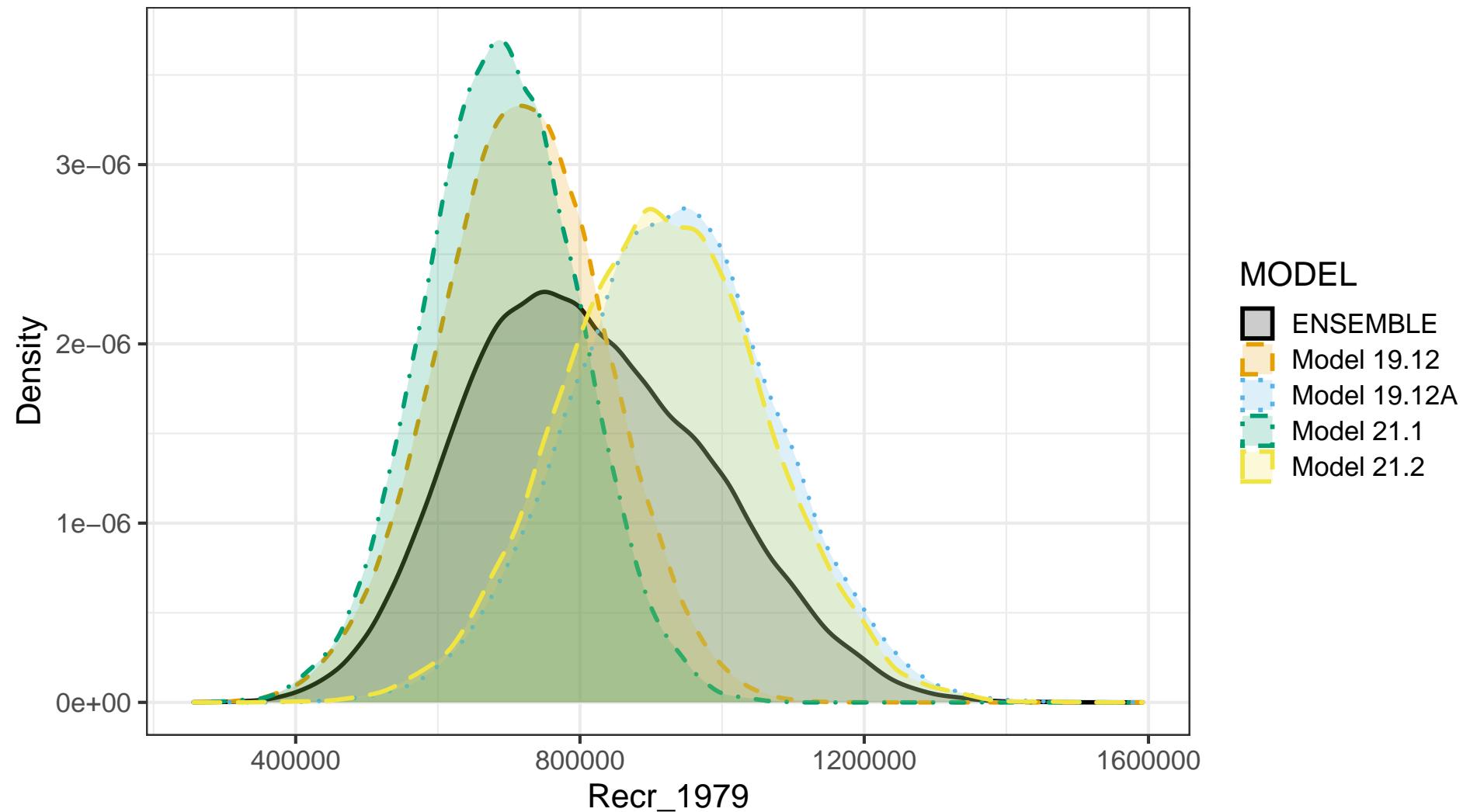
# Recr\_1977



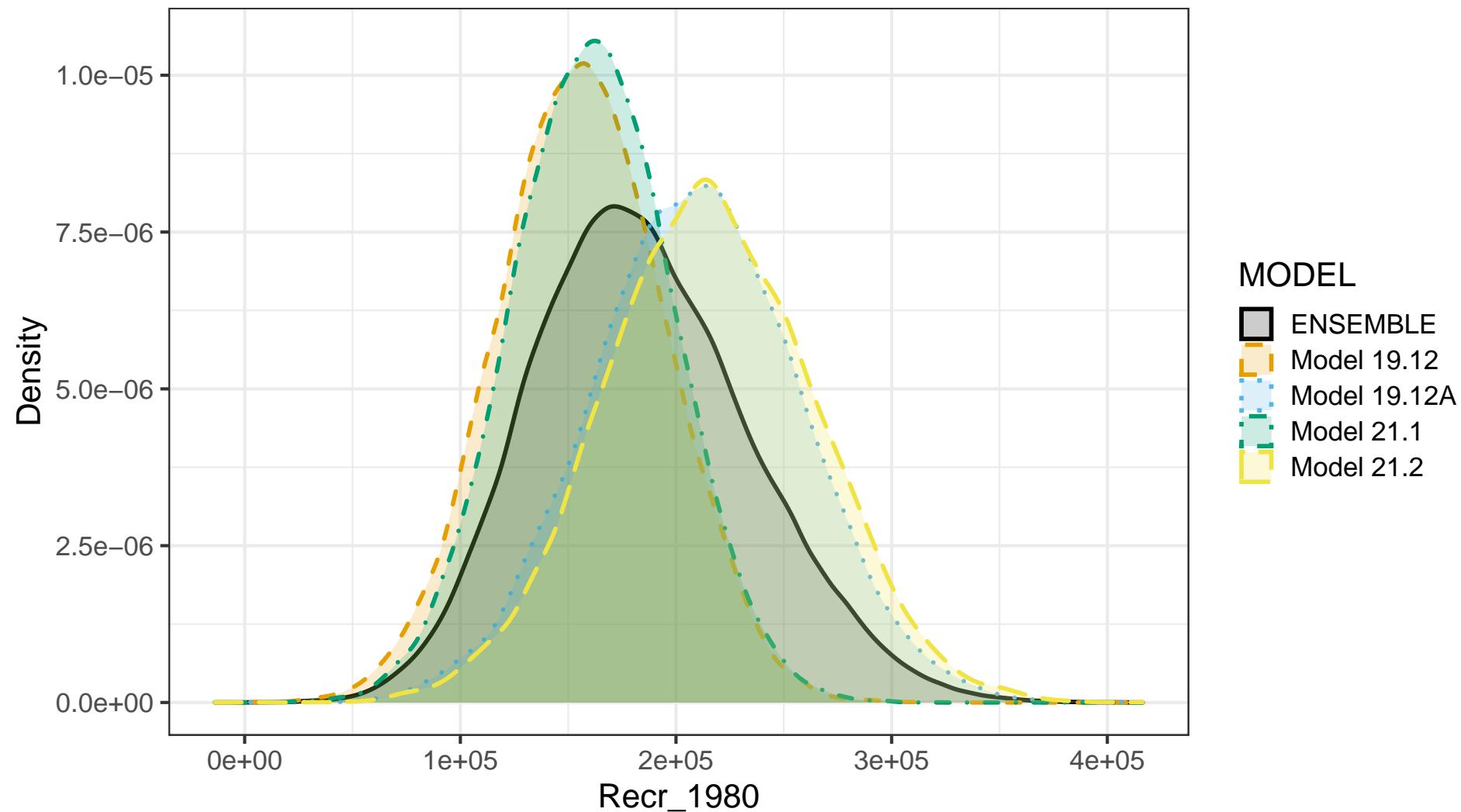
# Recr\_1978



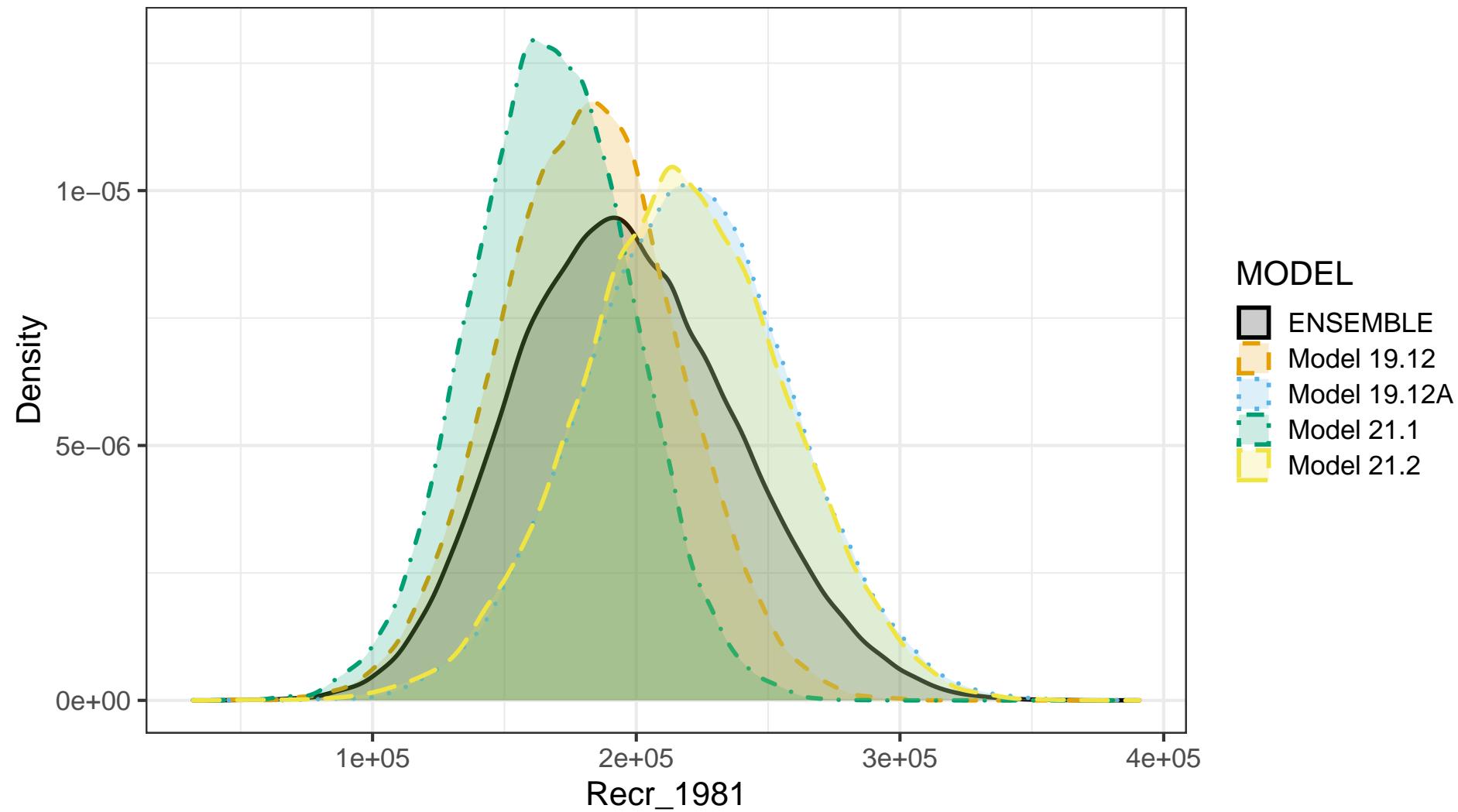
# Recr\_1979



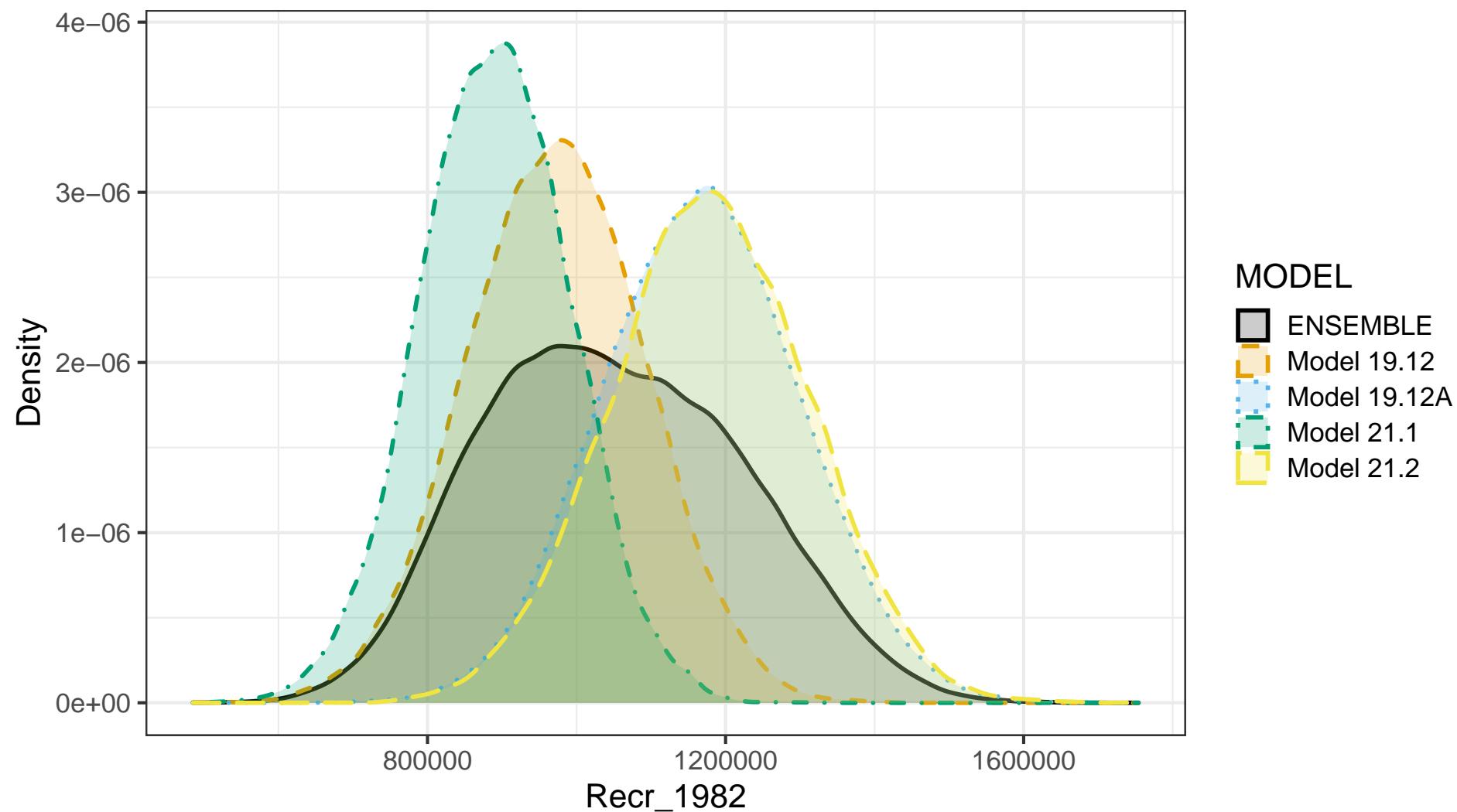
# Recr\_1980



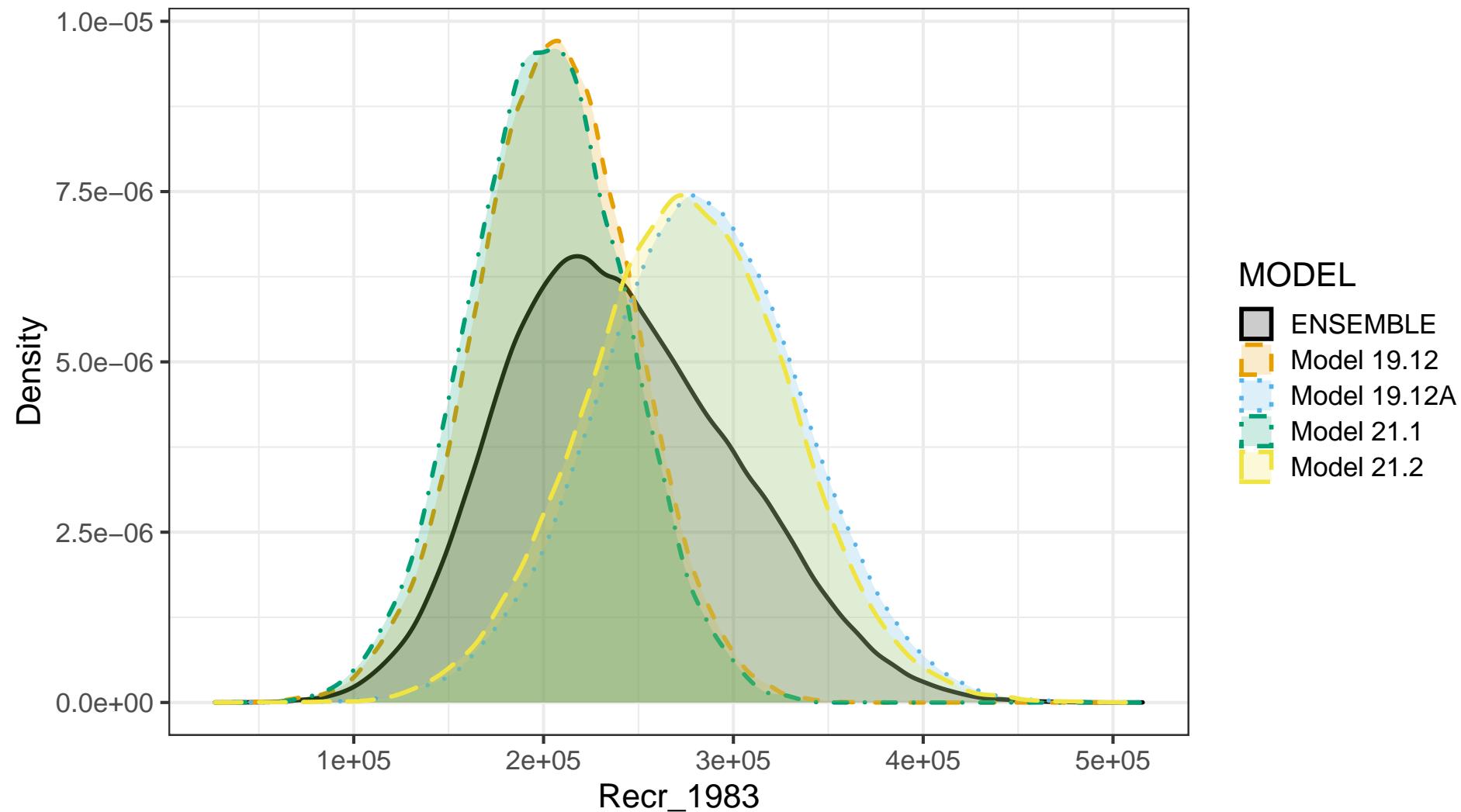
# Recr\_1981



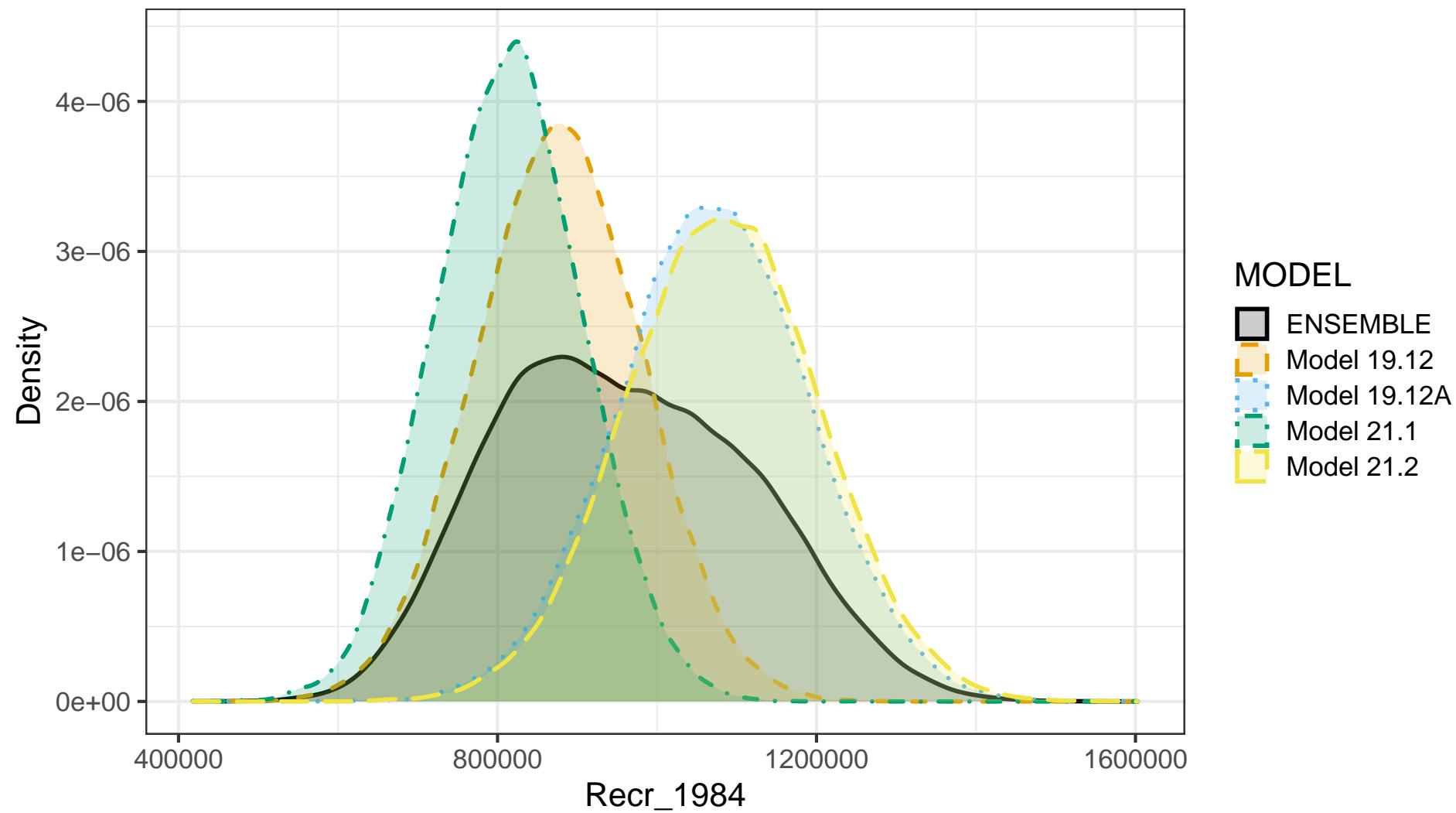
# Recr\_1982



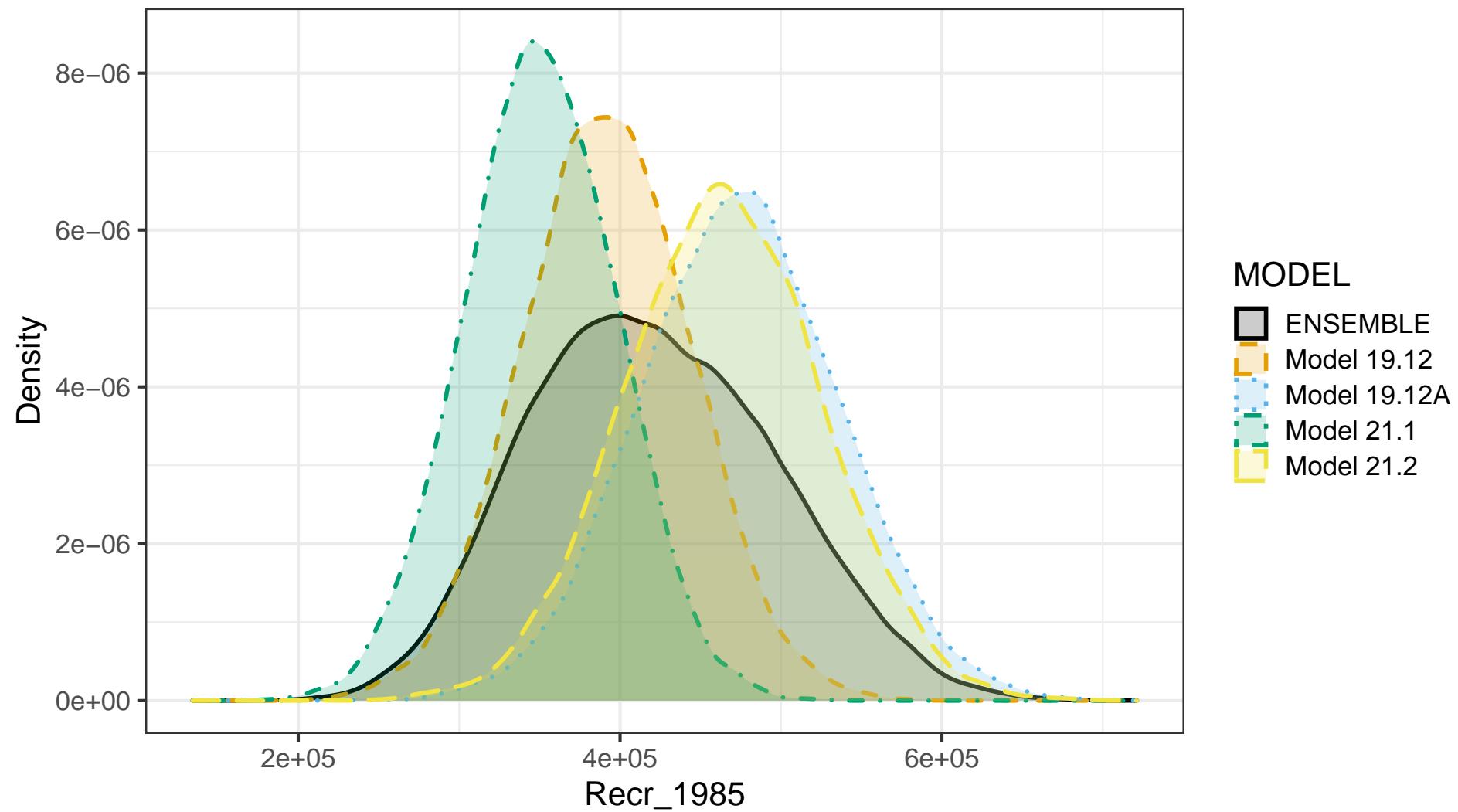
# Recr\_1983



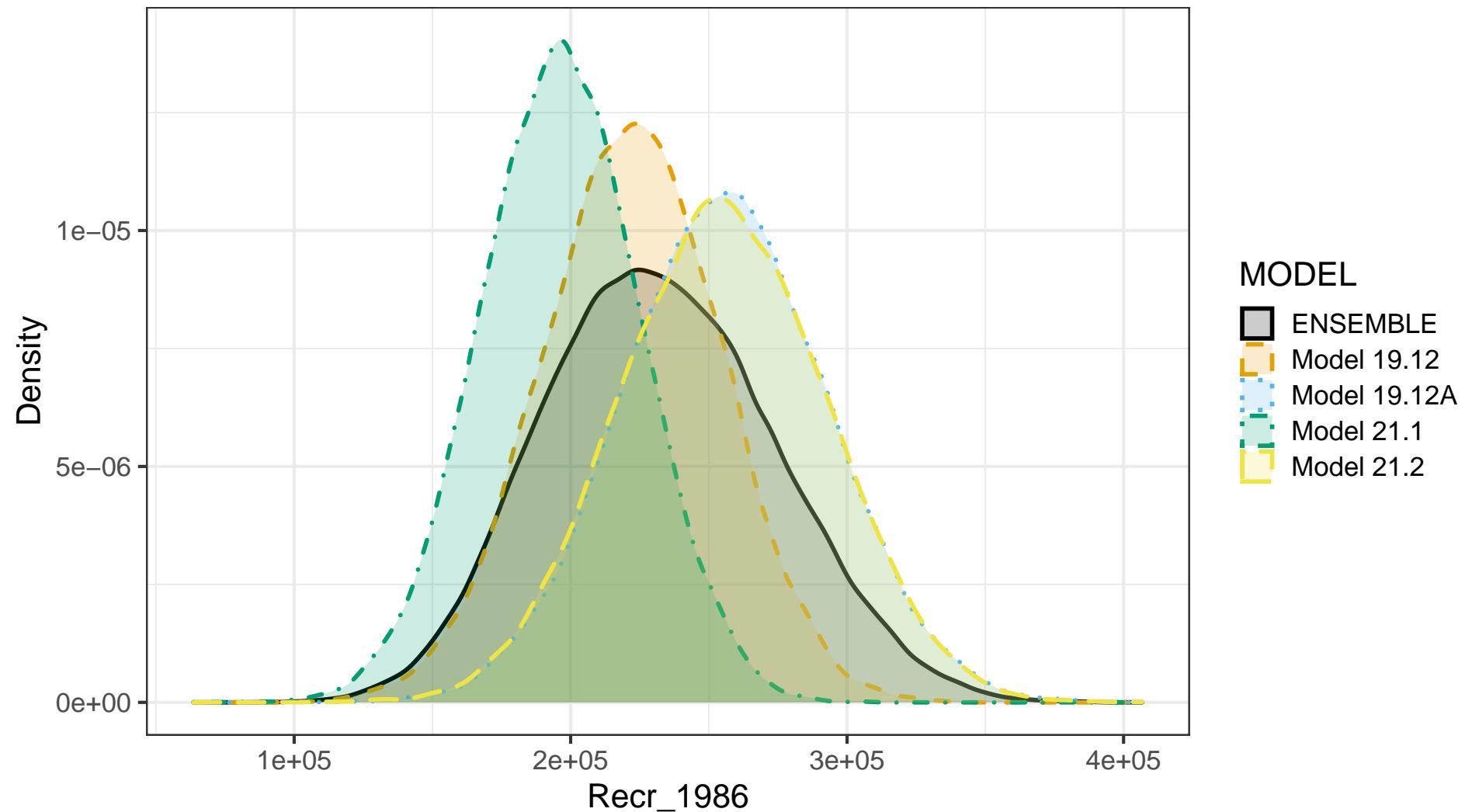
# Recr\_1984



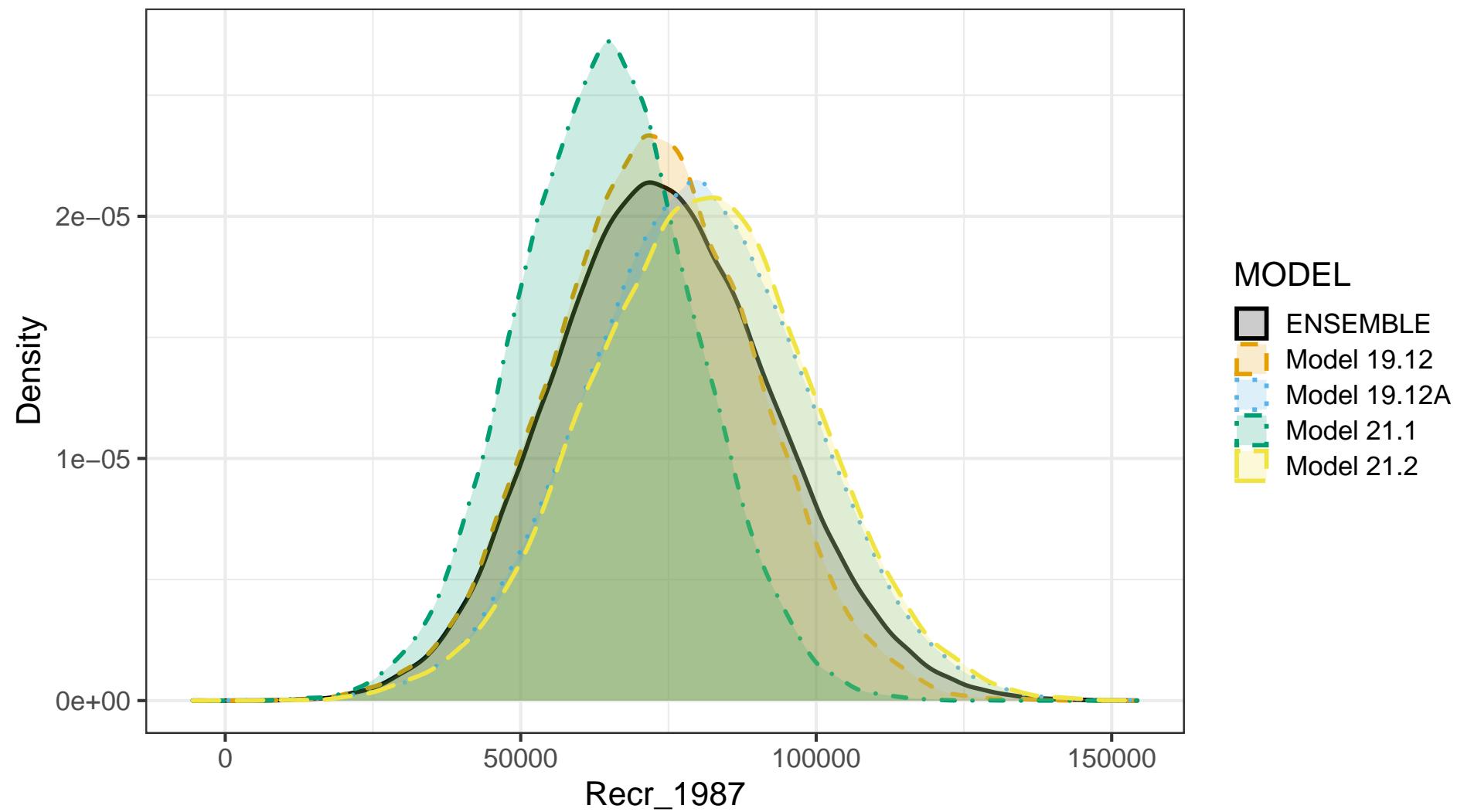
# Recr\_1985



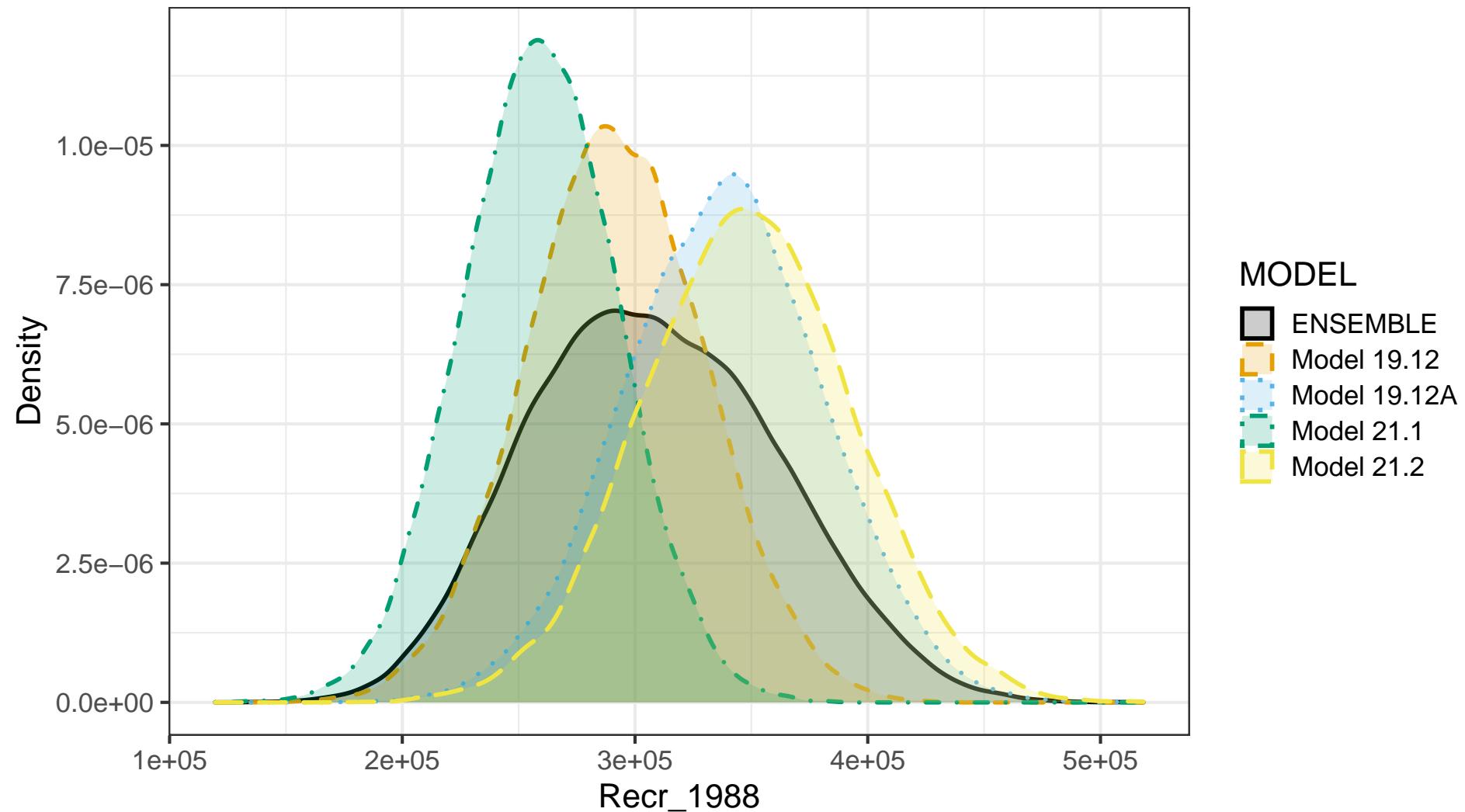
# Recr\_1986



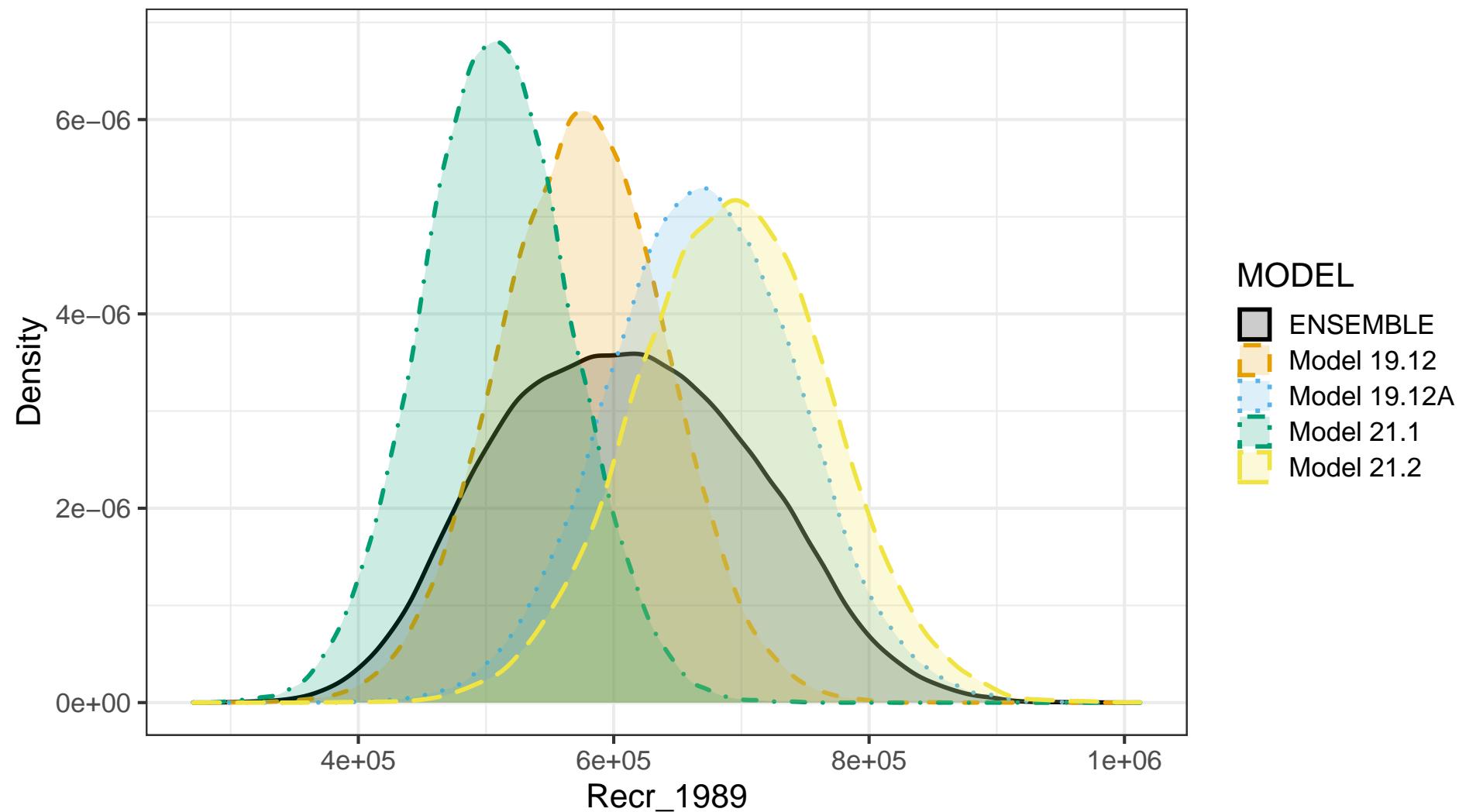
# Recr\_1987



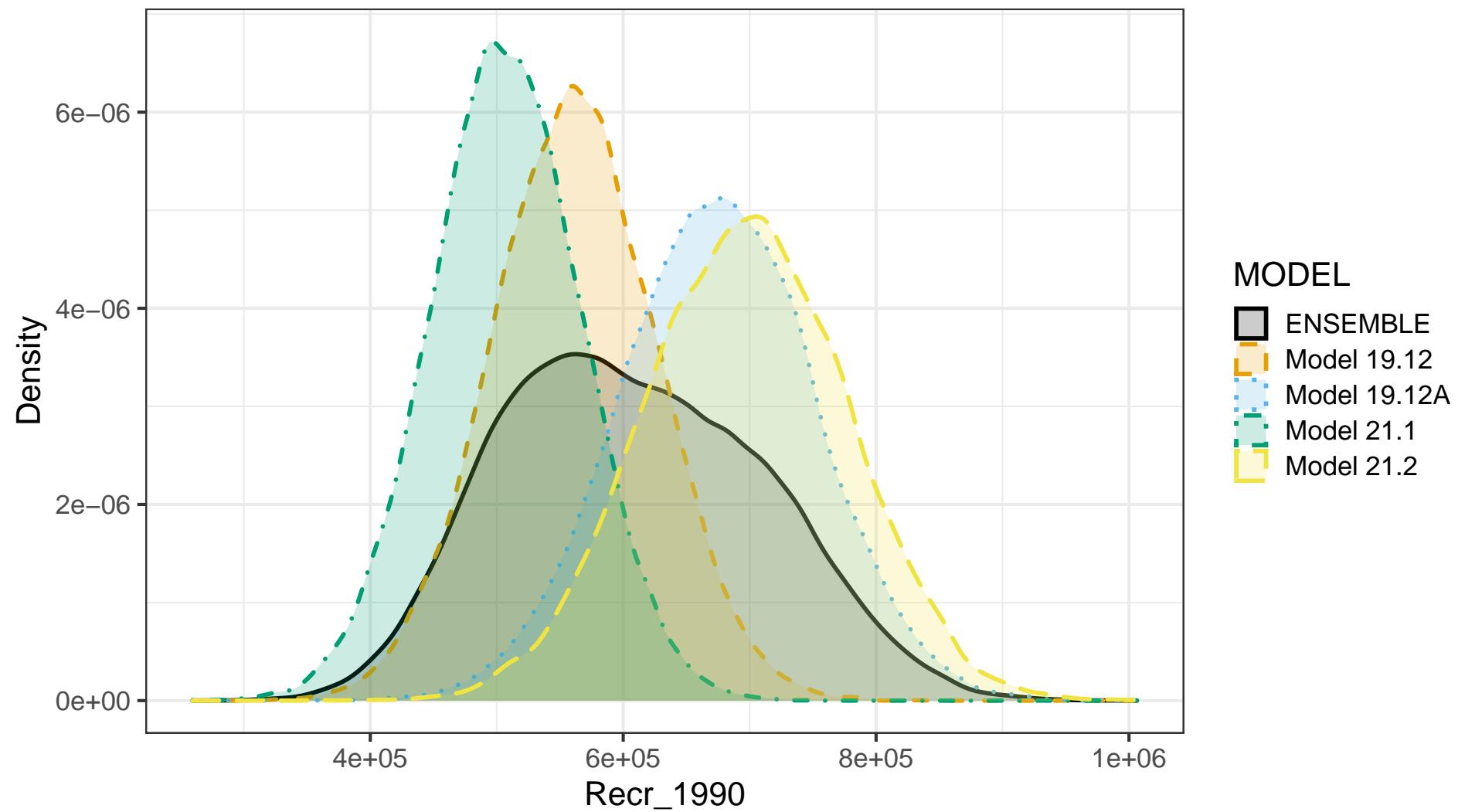
# Recr\_1988



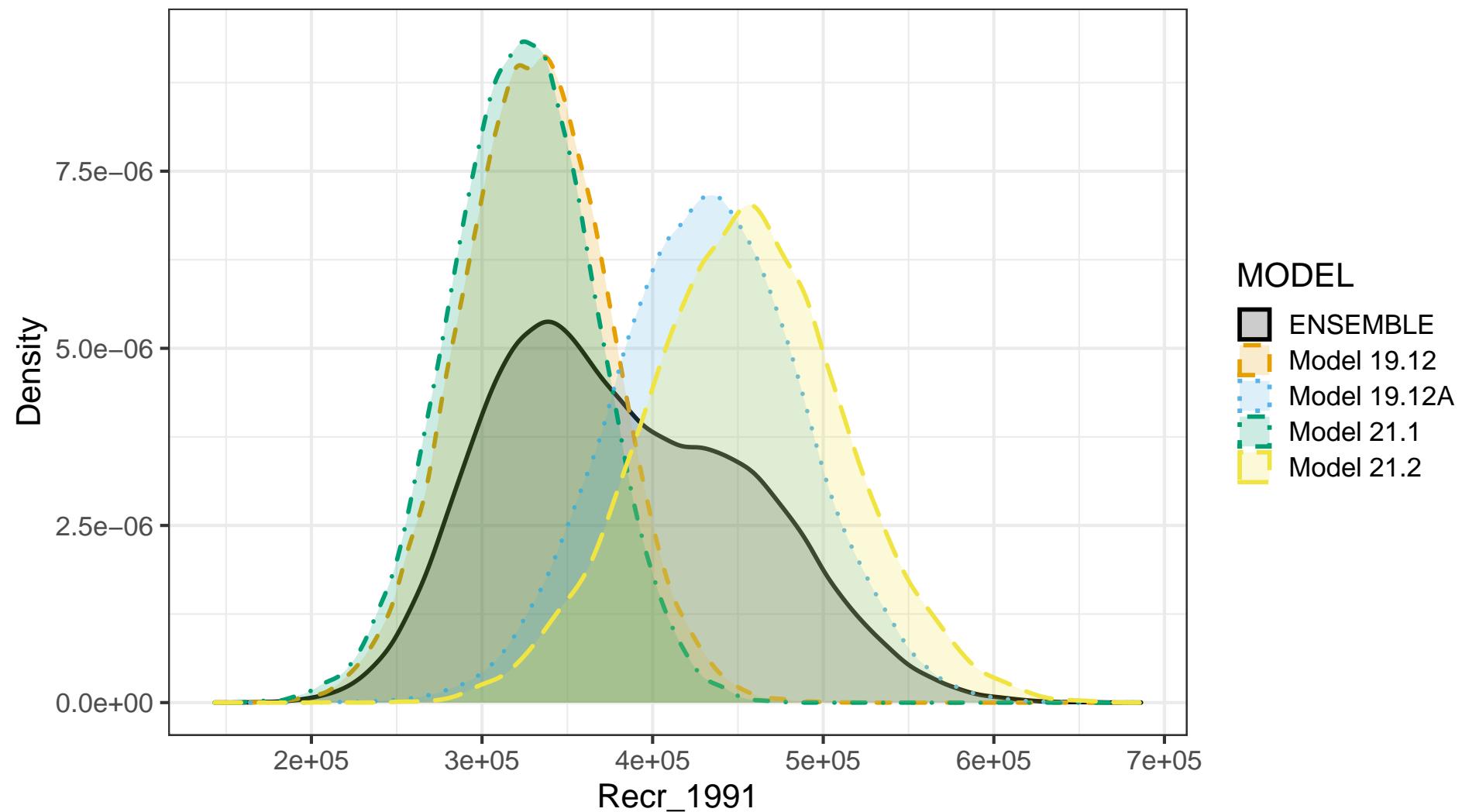
# Recr\_1989



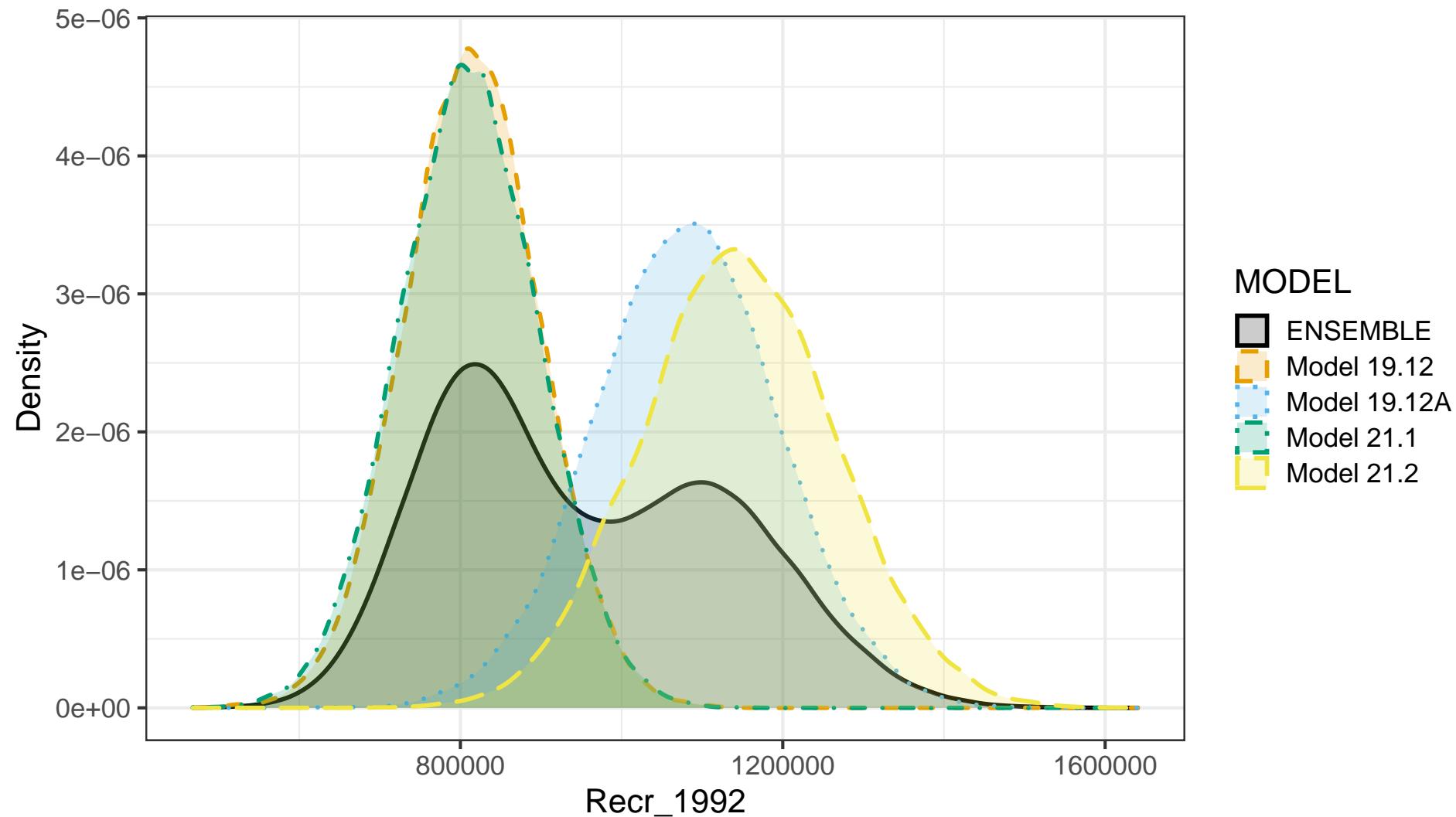
# Recr\_1990



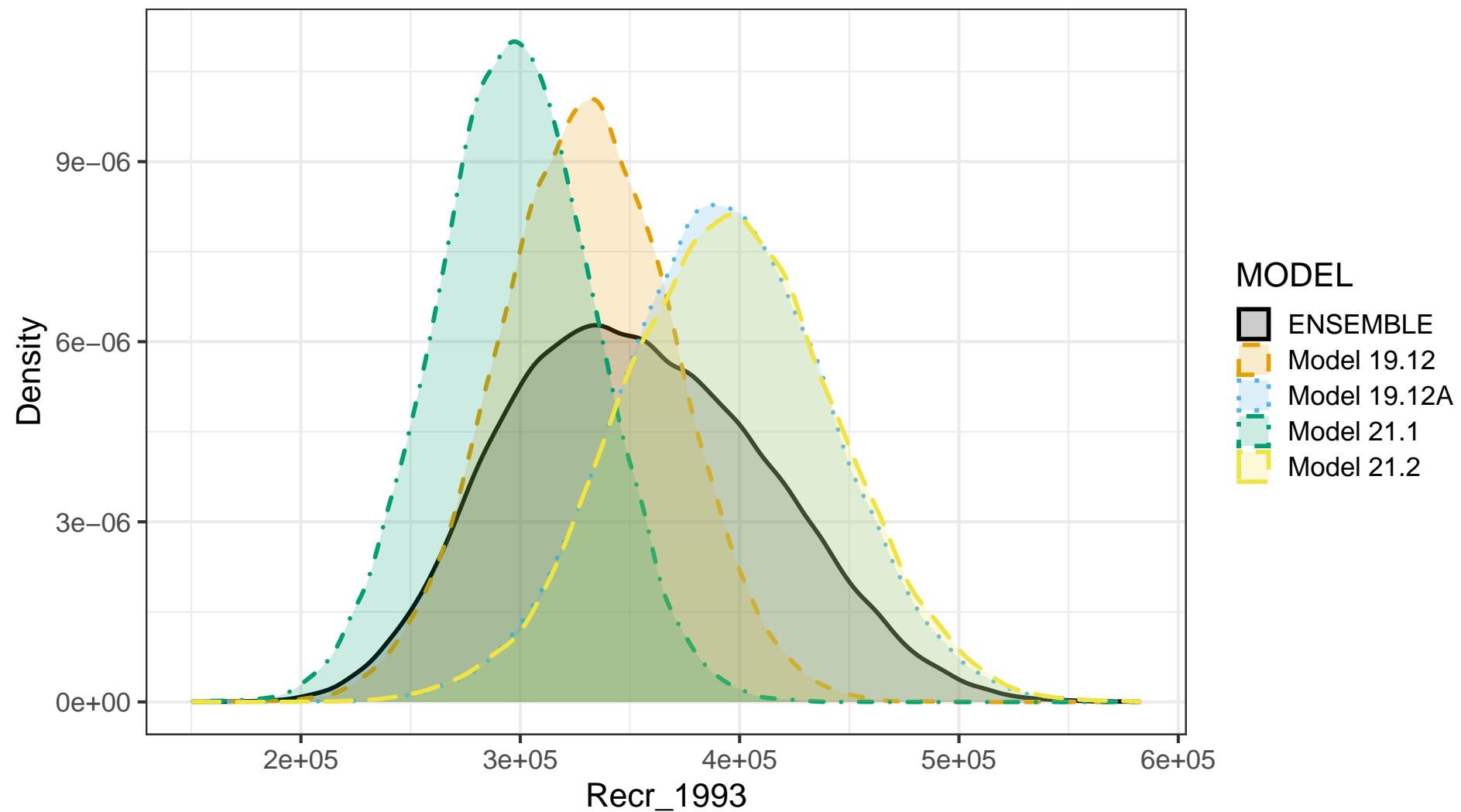
# Recr\_1991



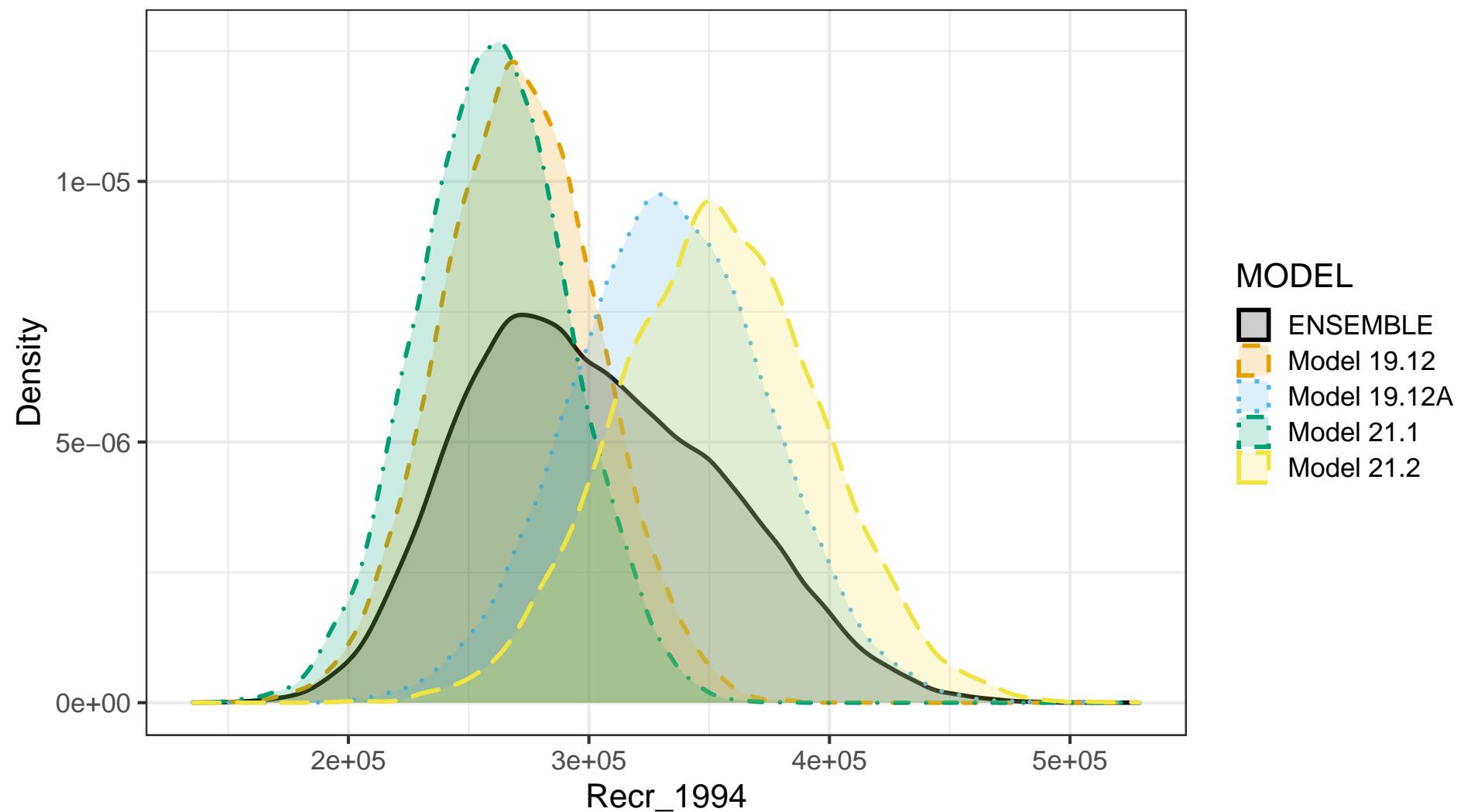
# Recr\_1992



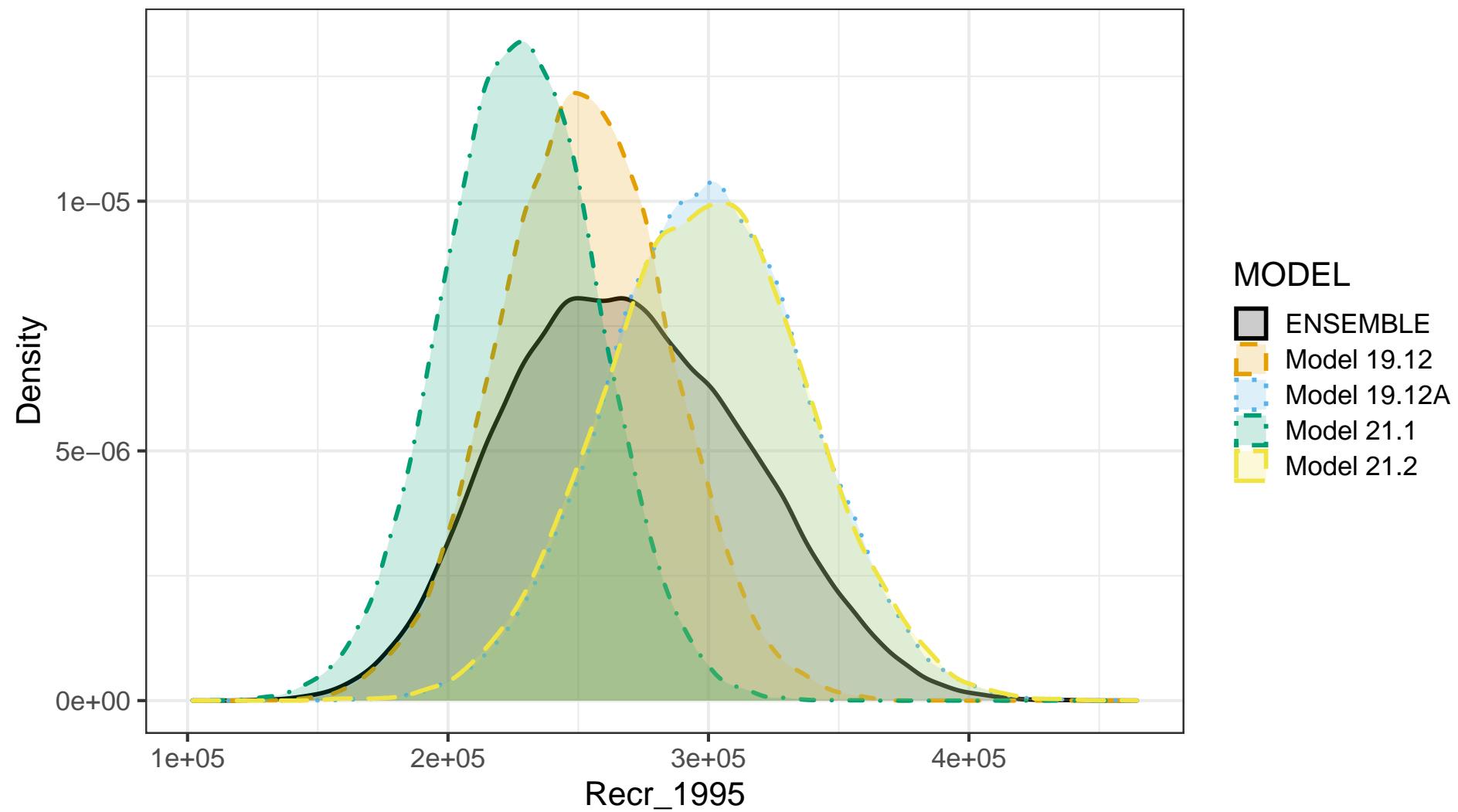
# Recr\_1993



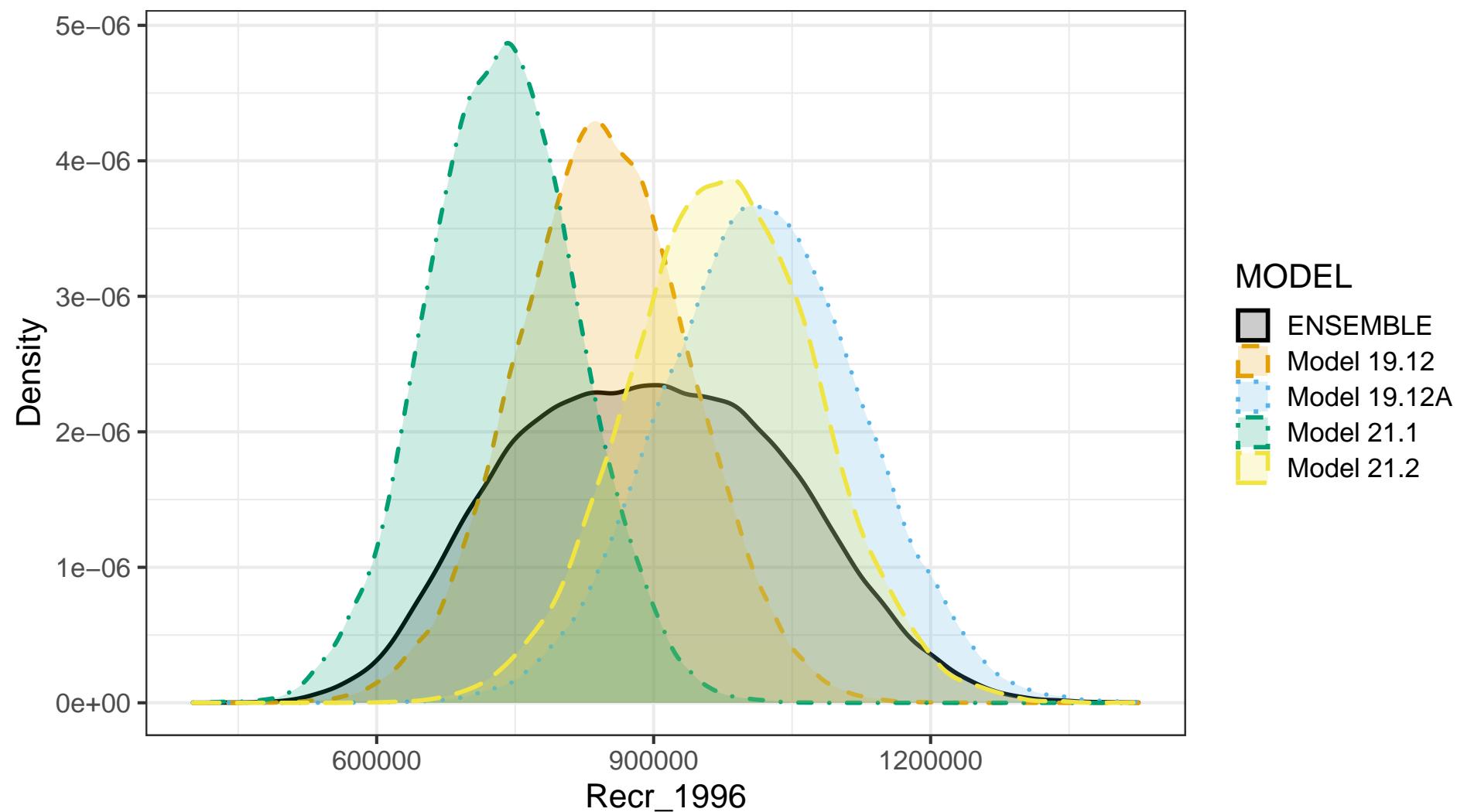
# Recr\_1994



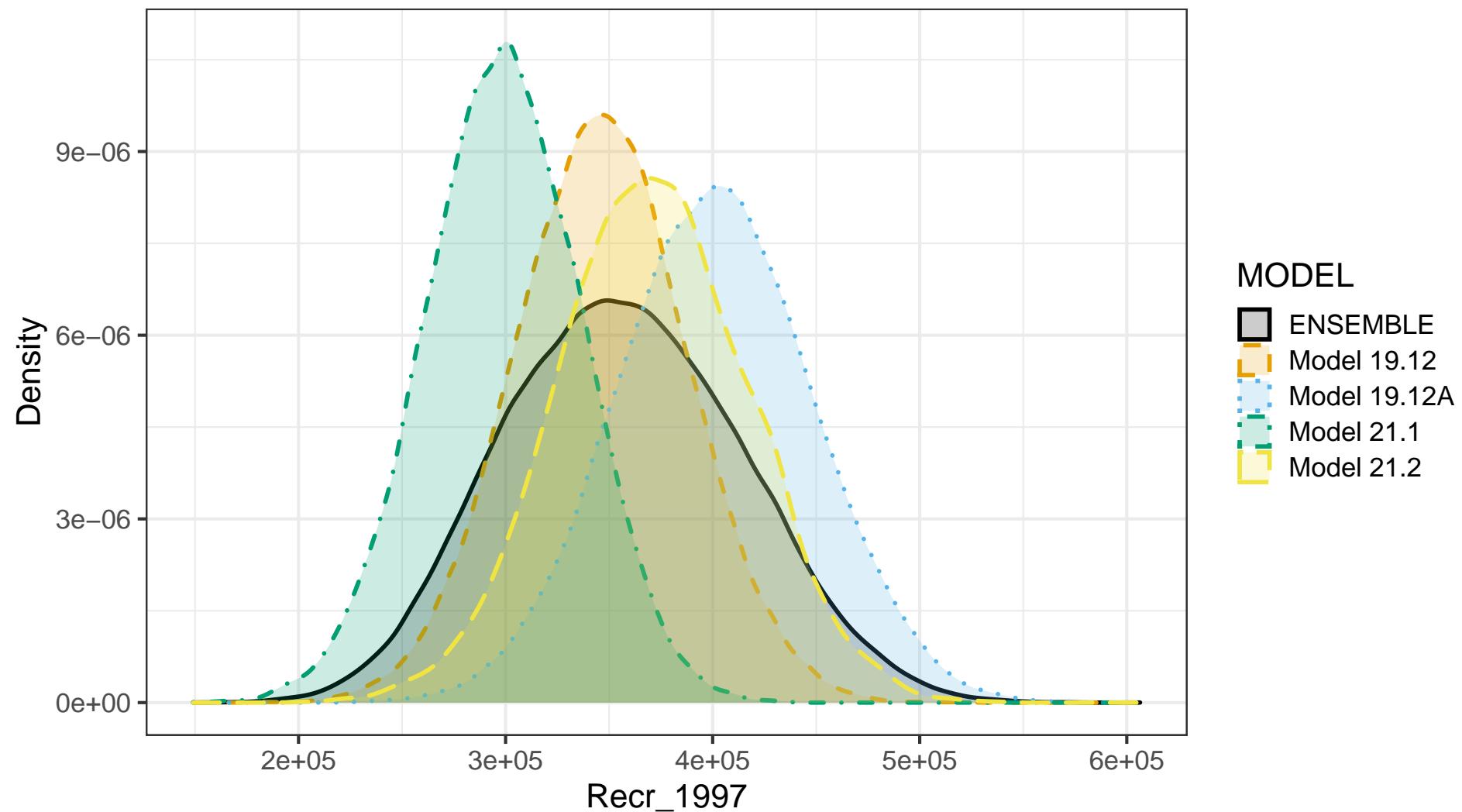
# Recr\_1995



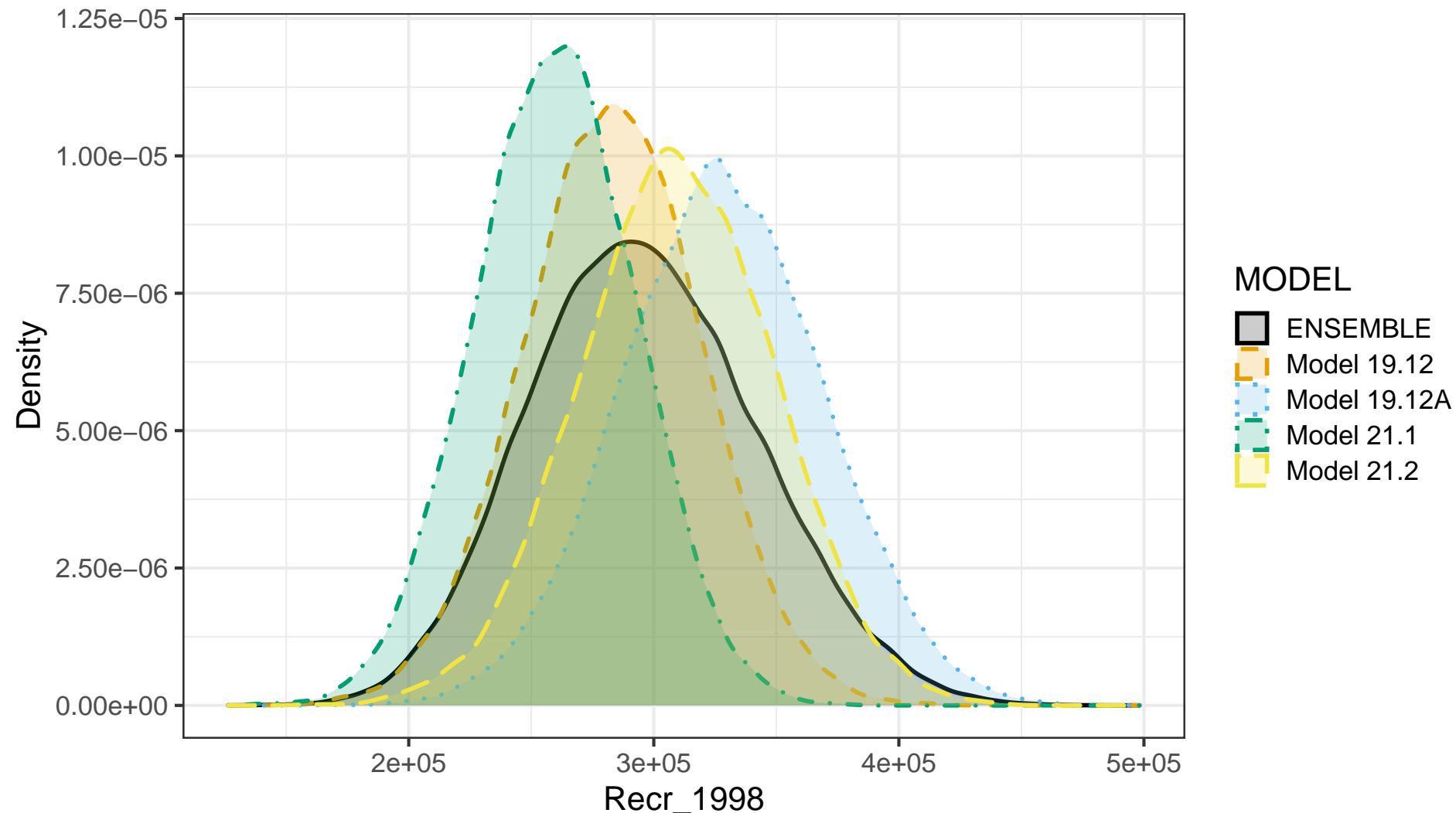
# Recr\_1996



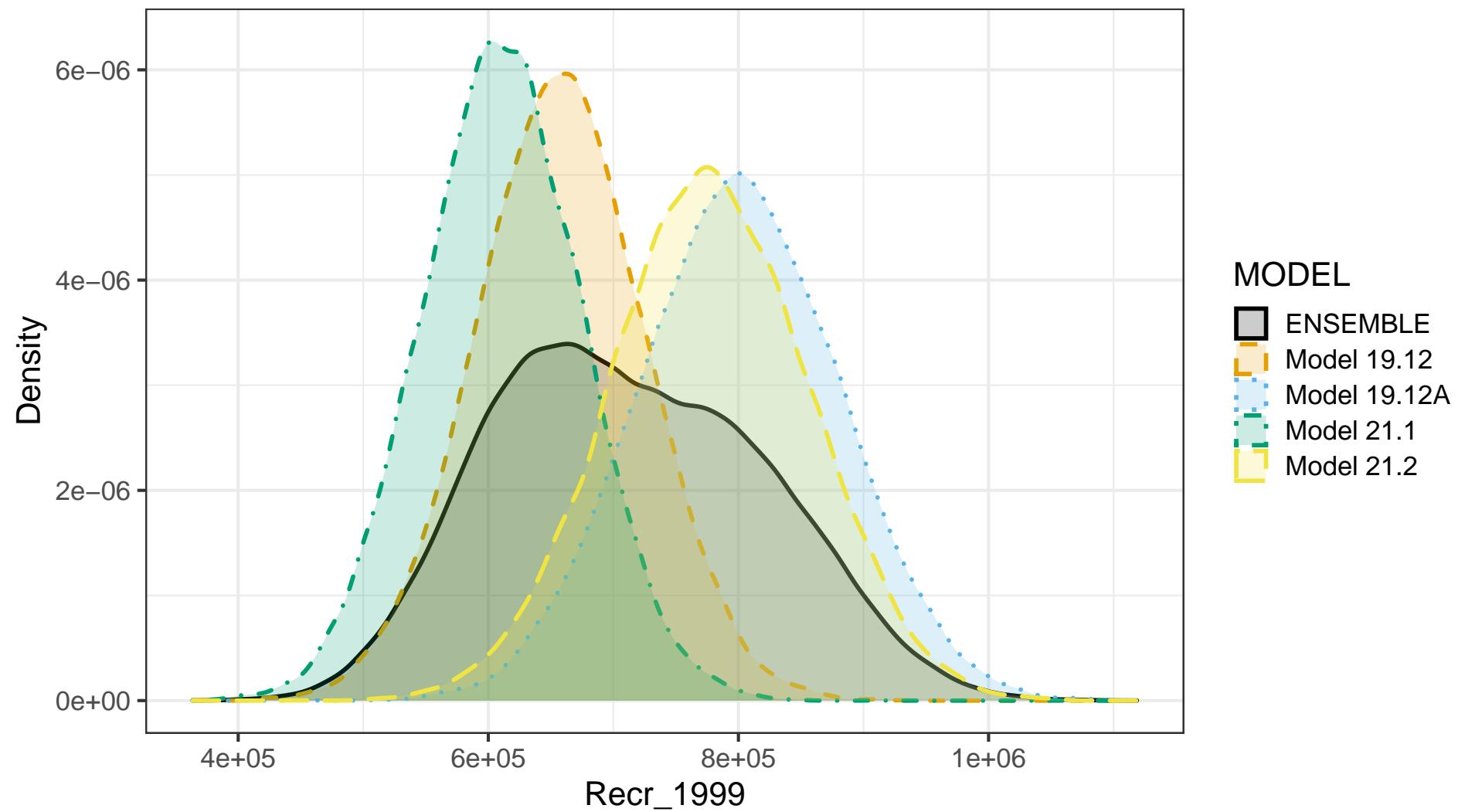
# Recr\_1997



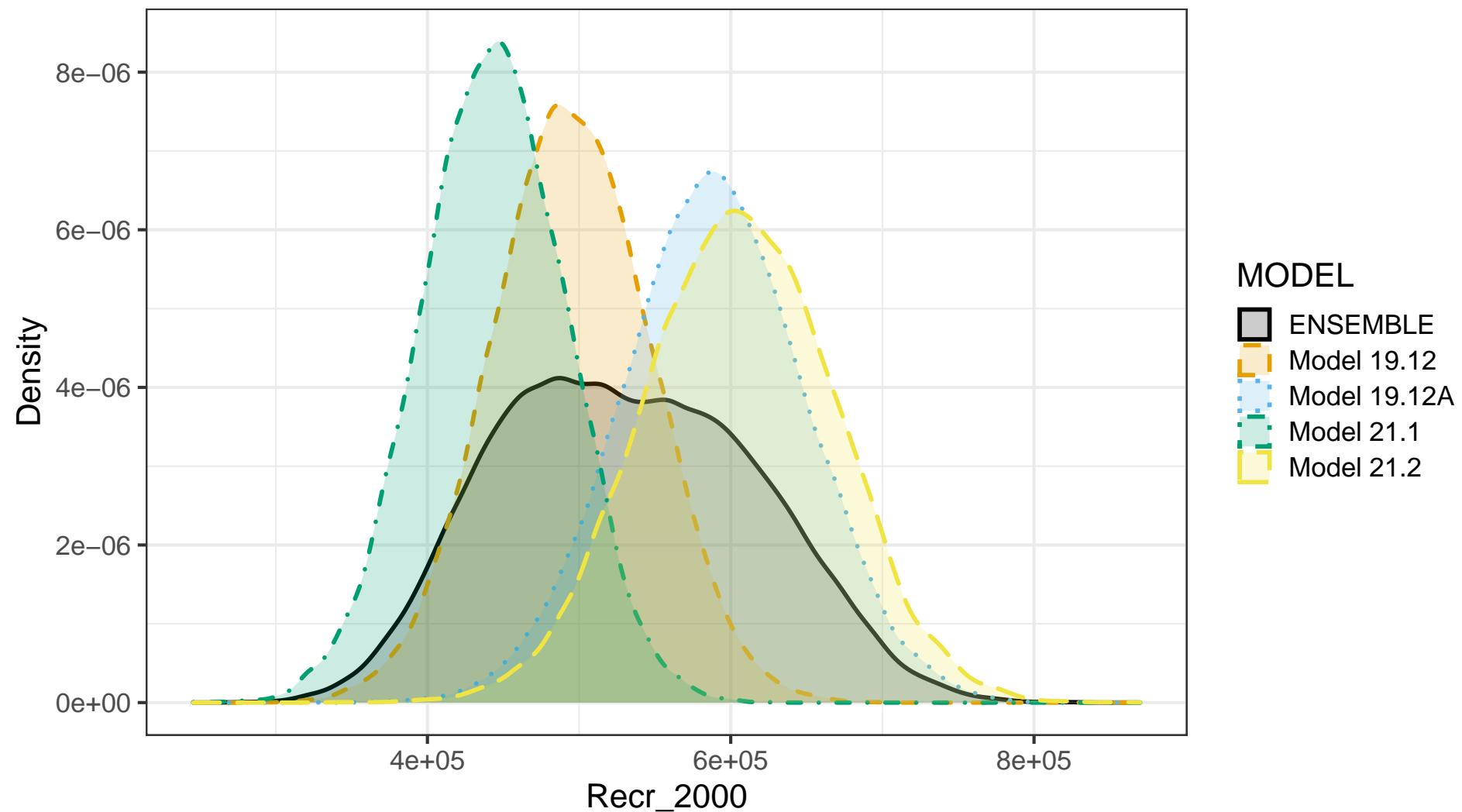
# Recr\_1998



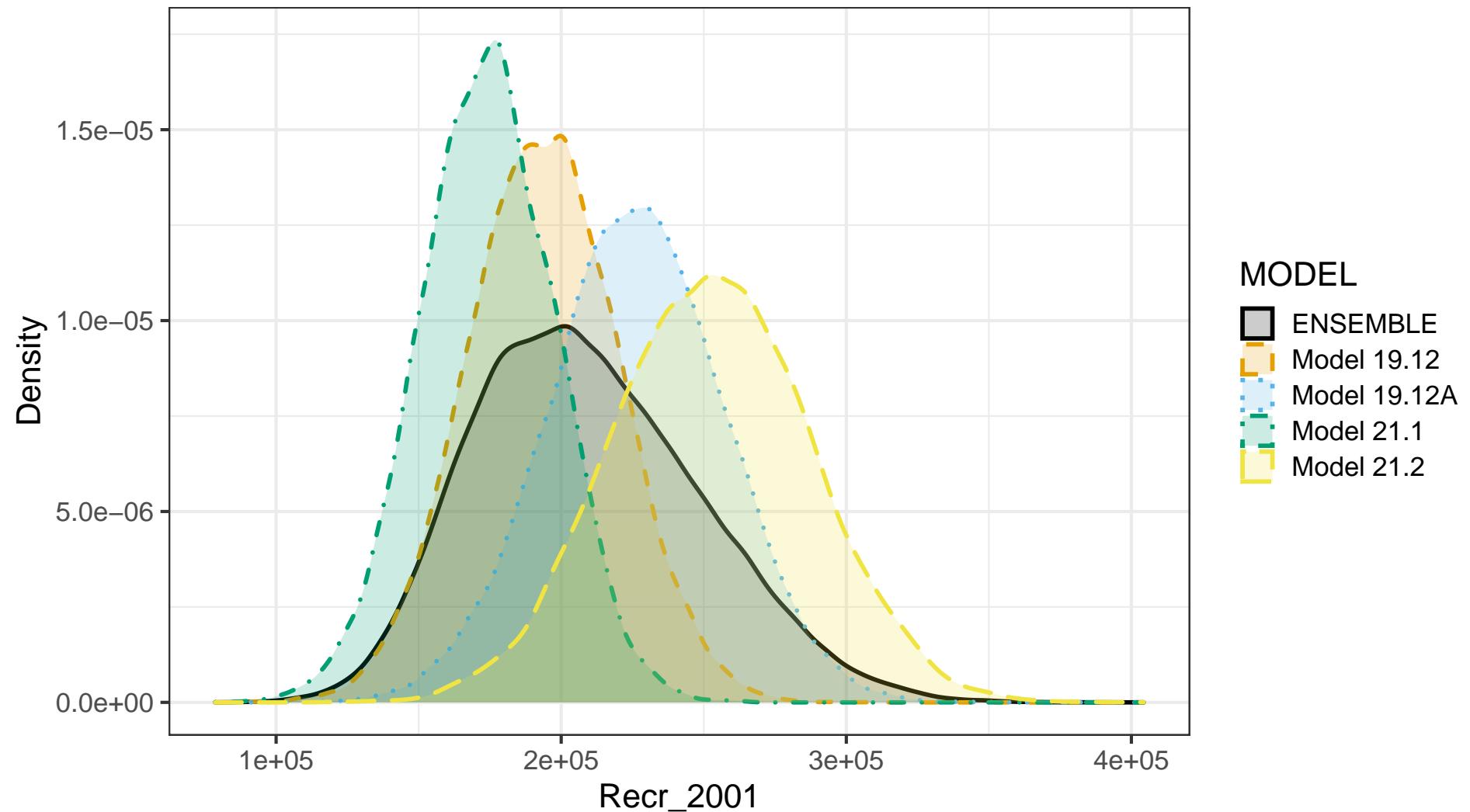
# Recr\_1999



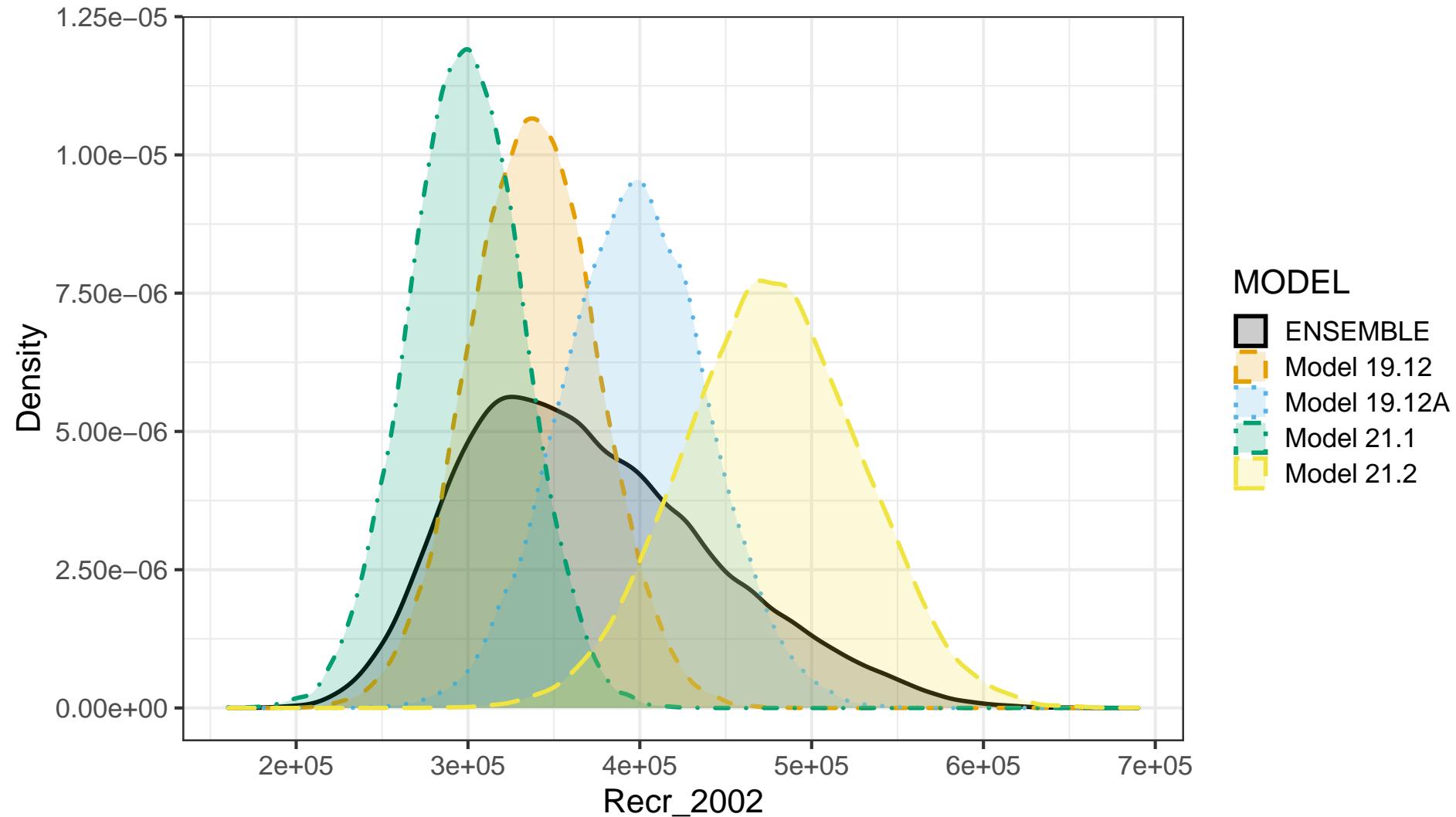
# Recr\_2000



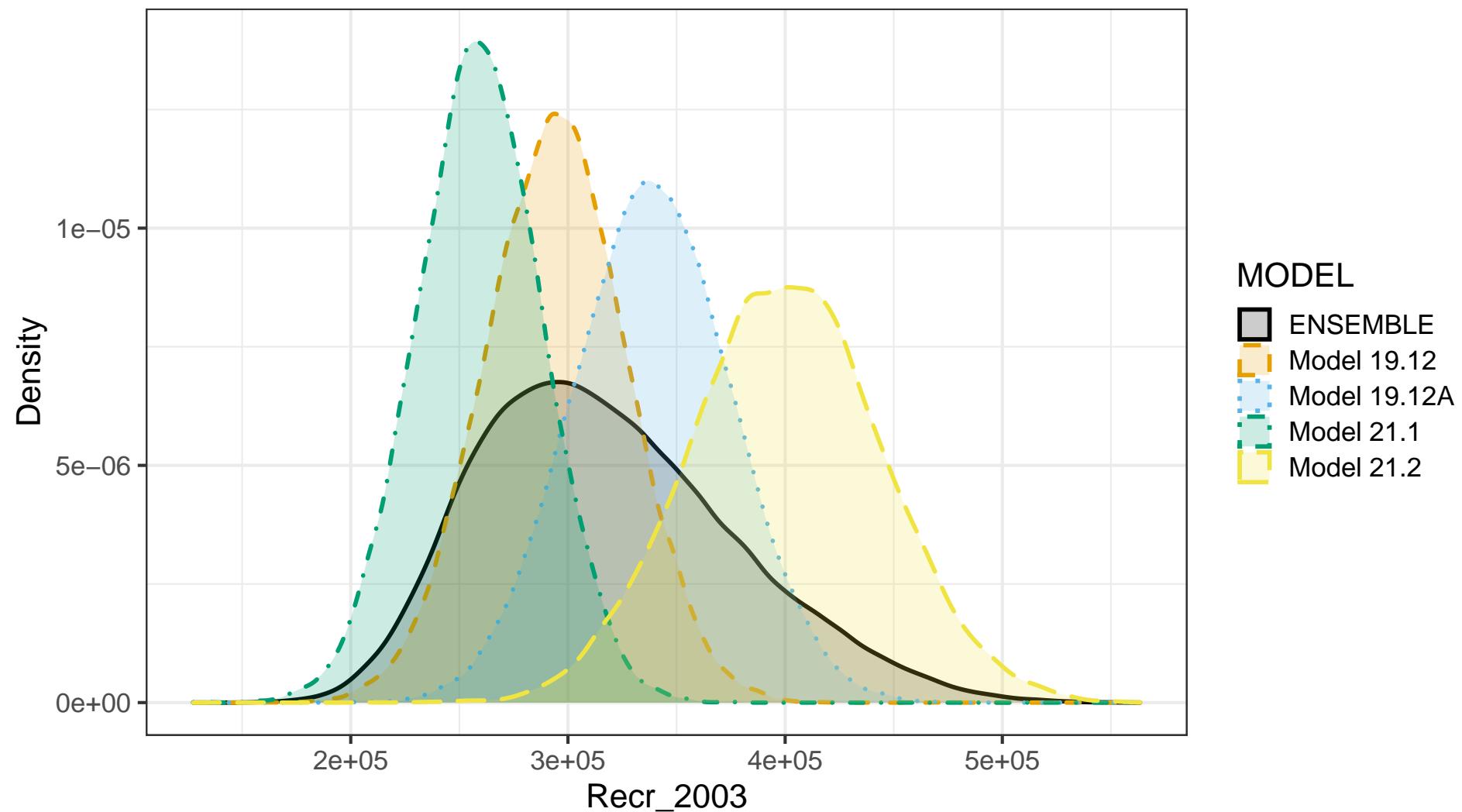
# Recr\_2001



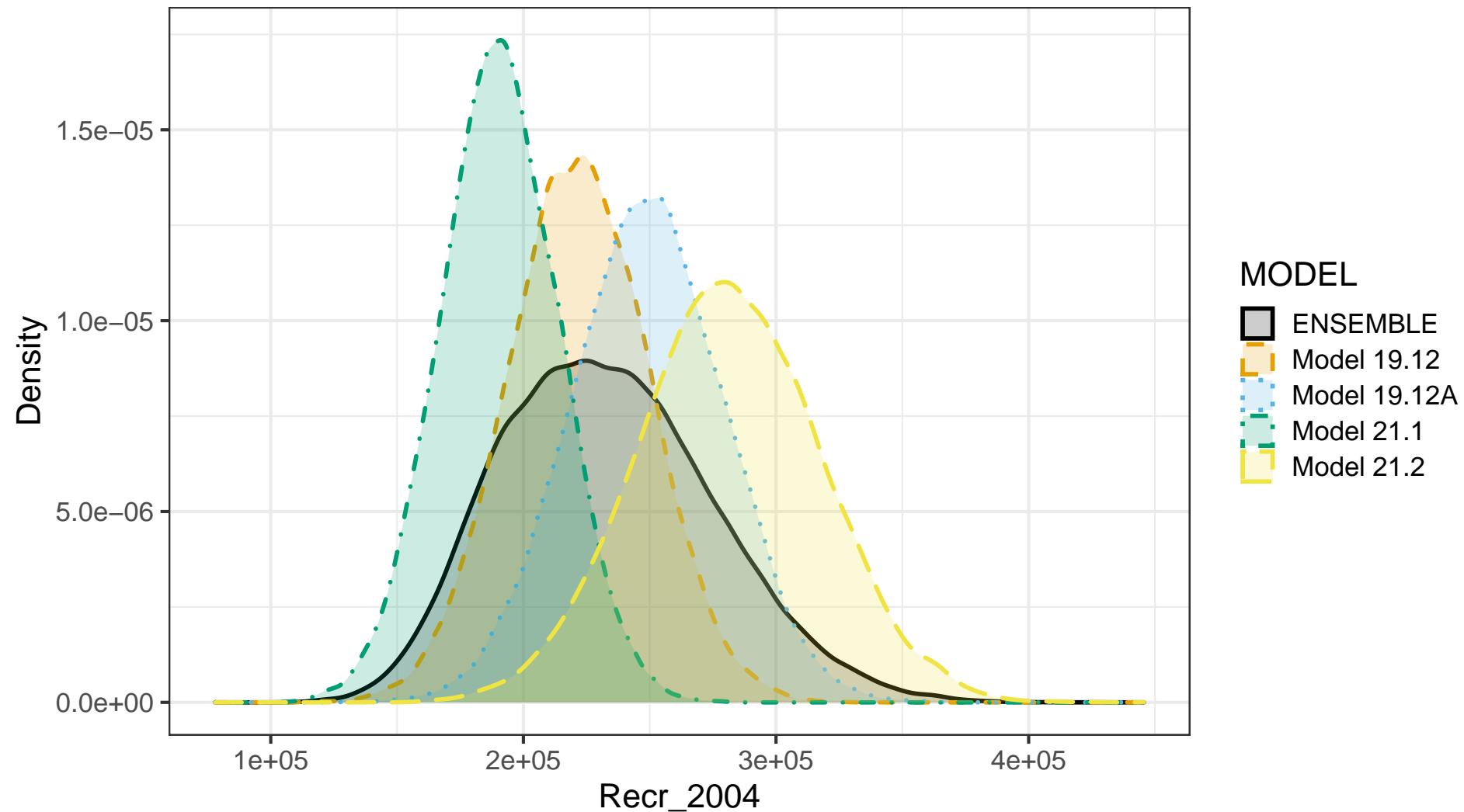
# Recr\_2002



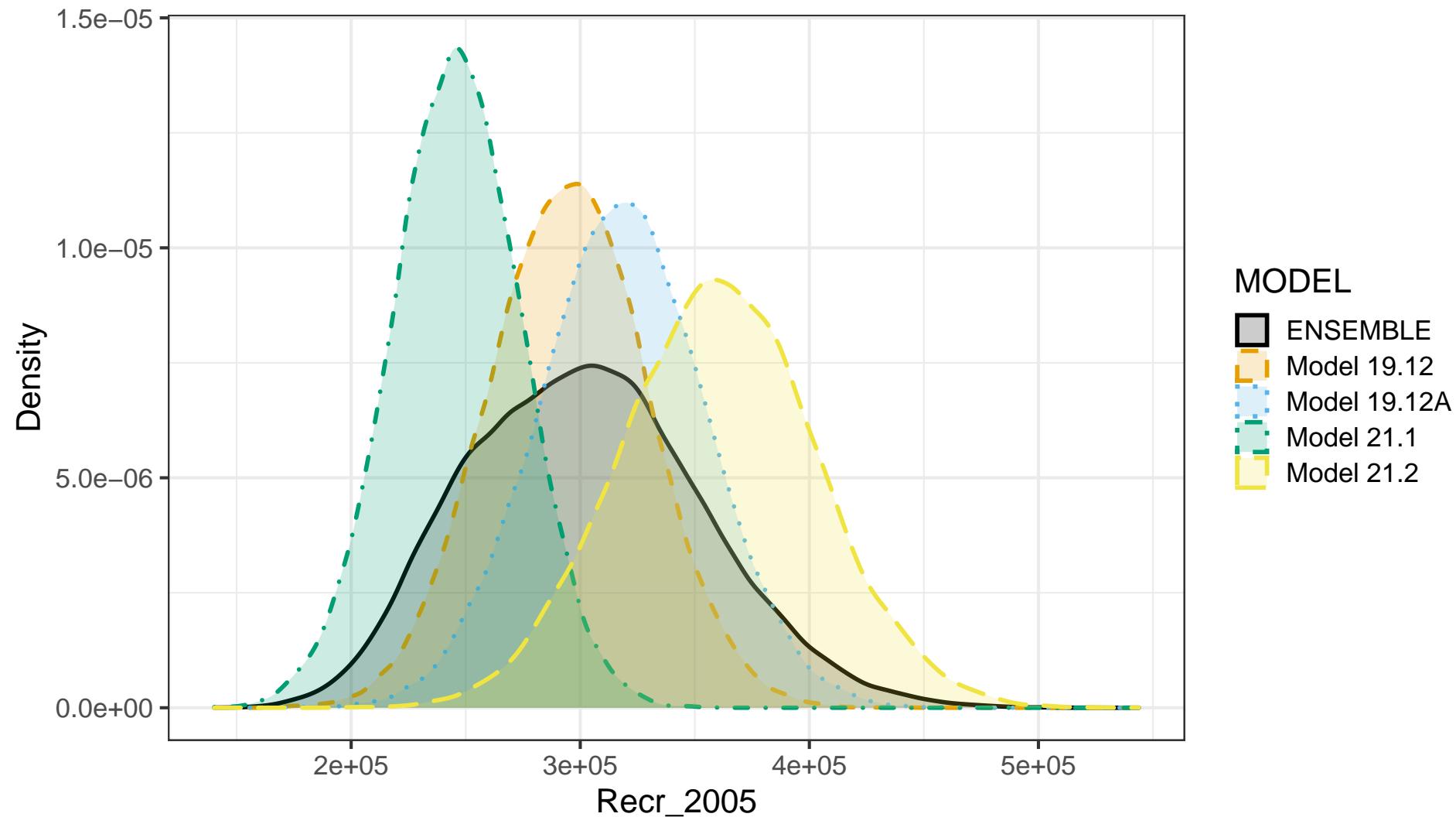
# Recr\_2003



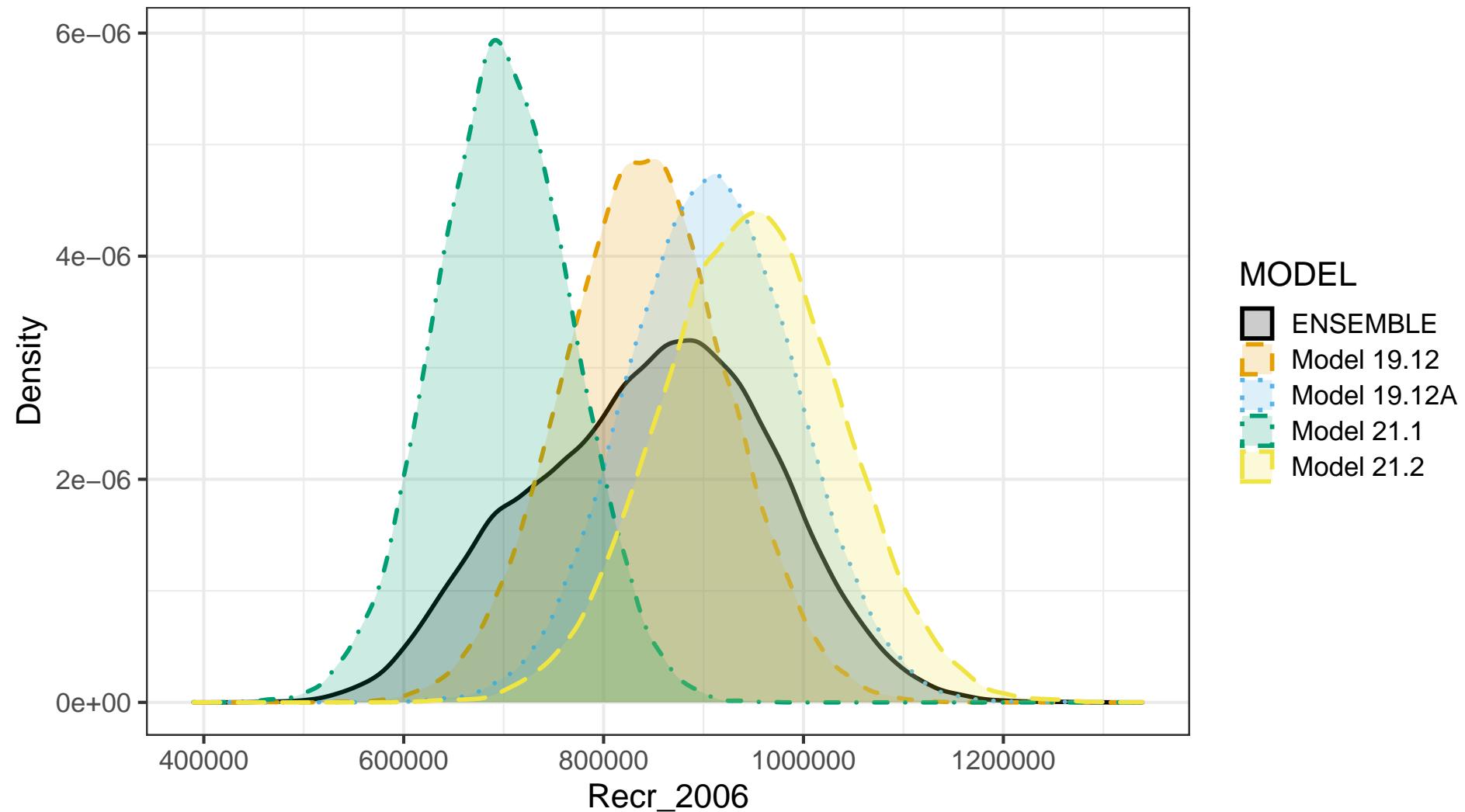
# Recr\_2004



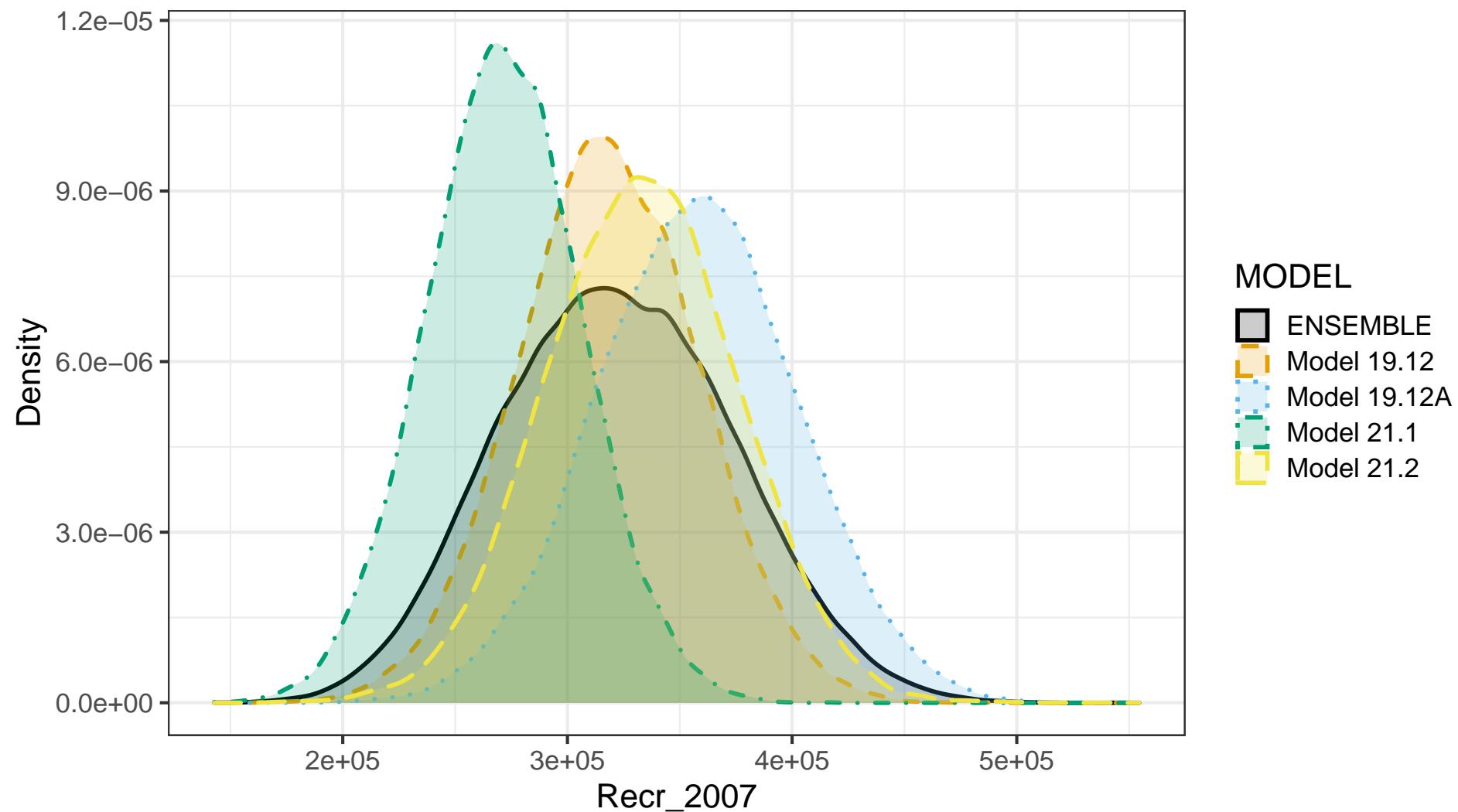
# Recr\_2005



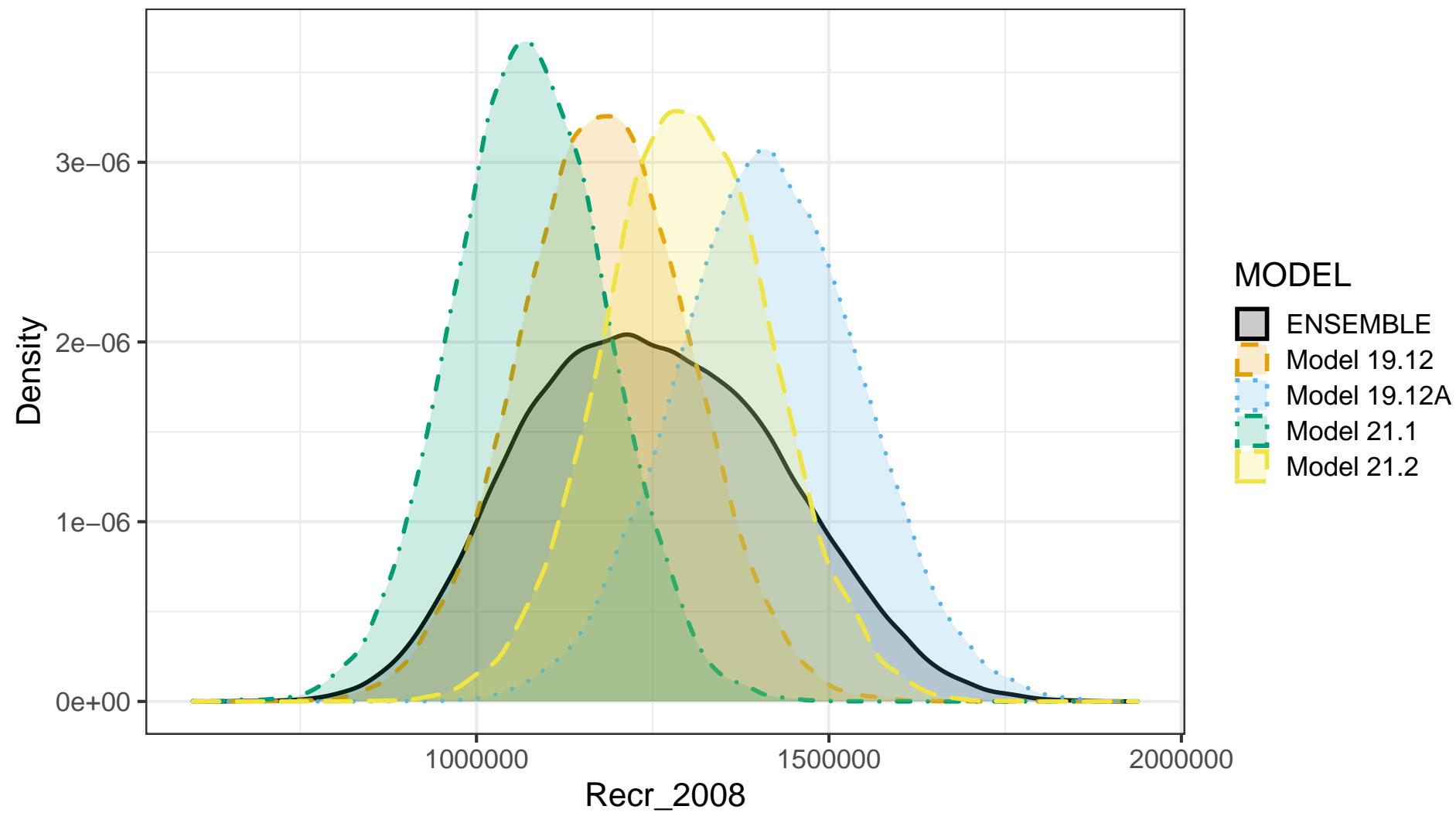
# Recr\_2006



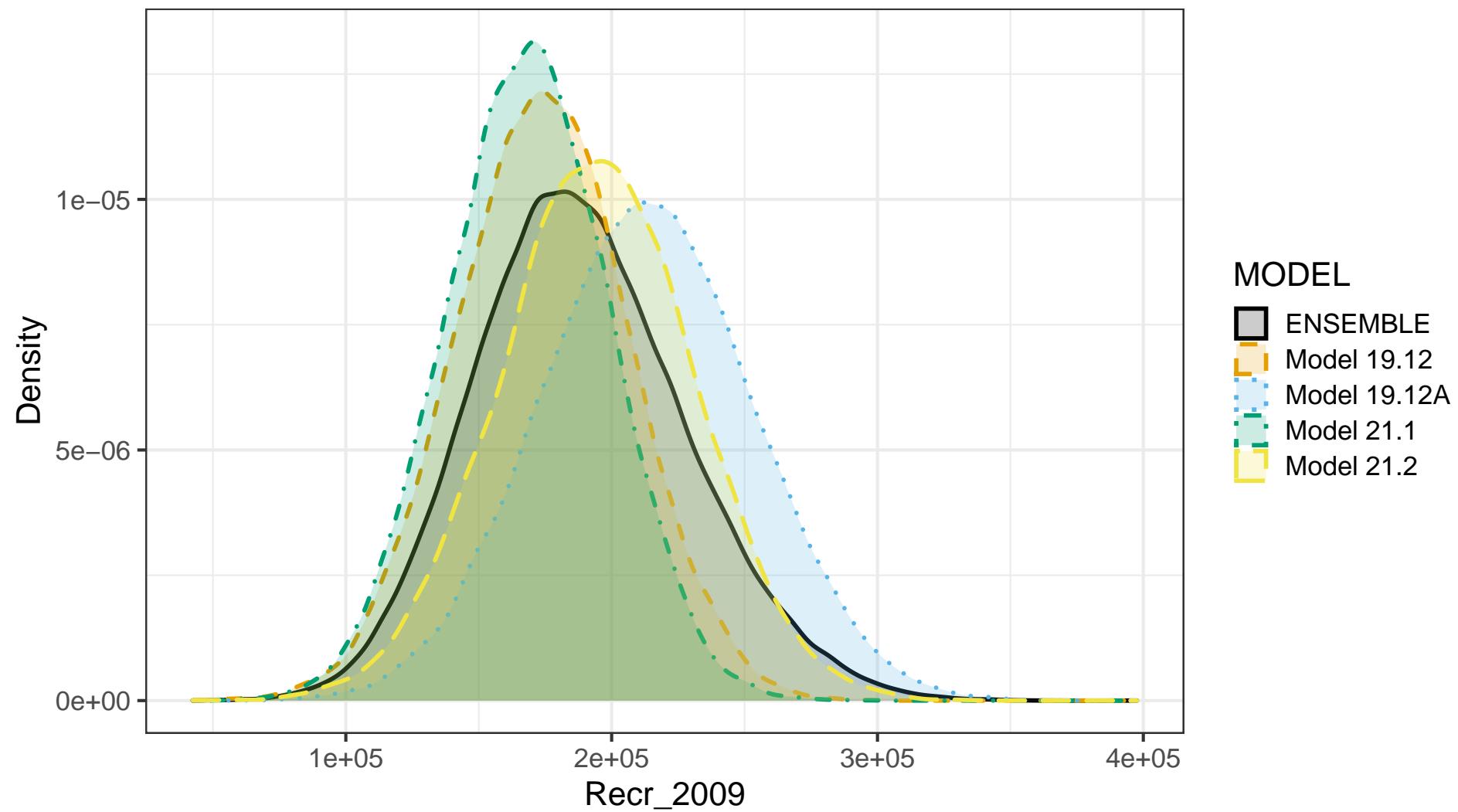
# Recr\_2007



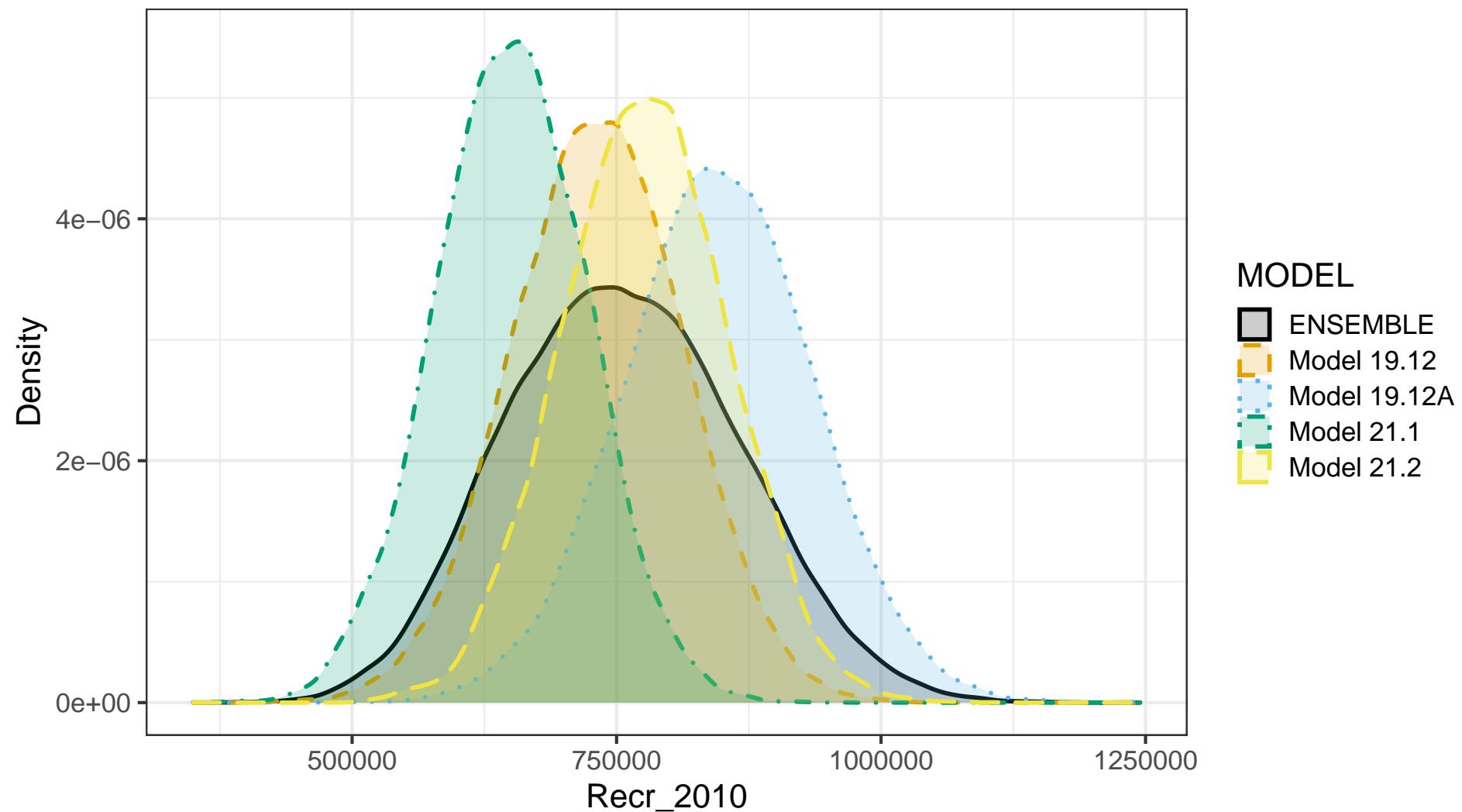
# Recr\_2008



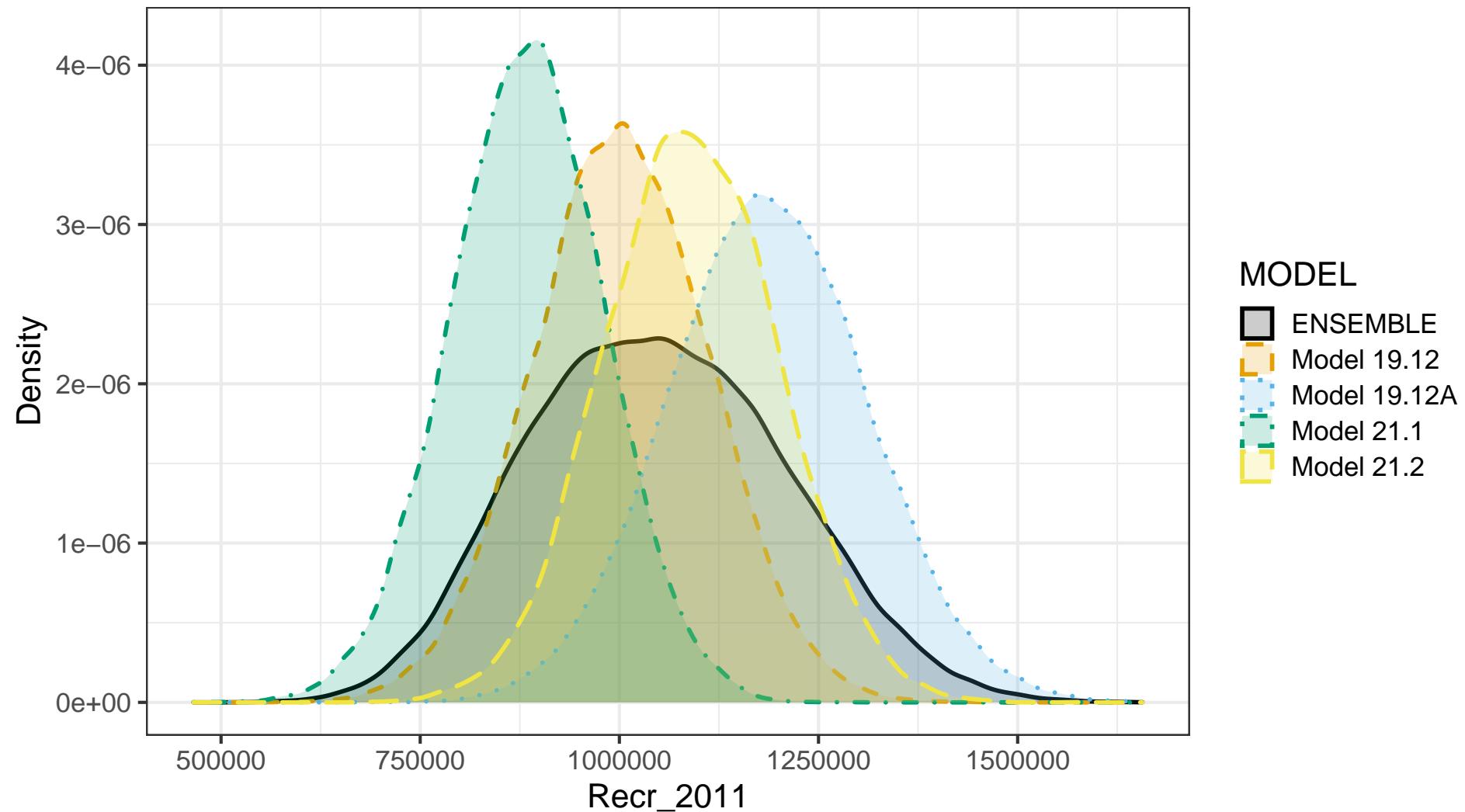
# Recr\_2009



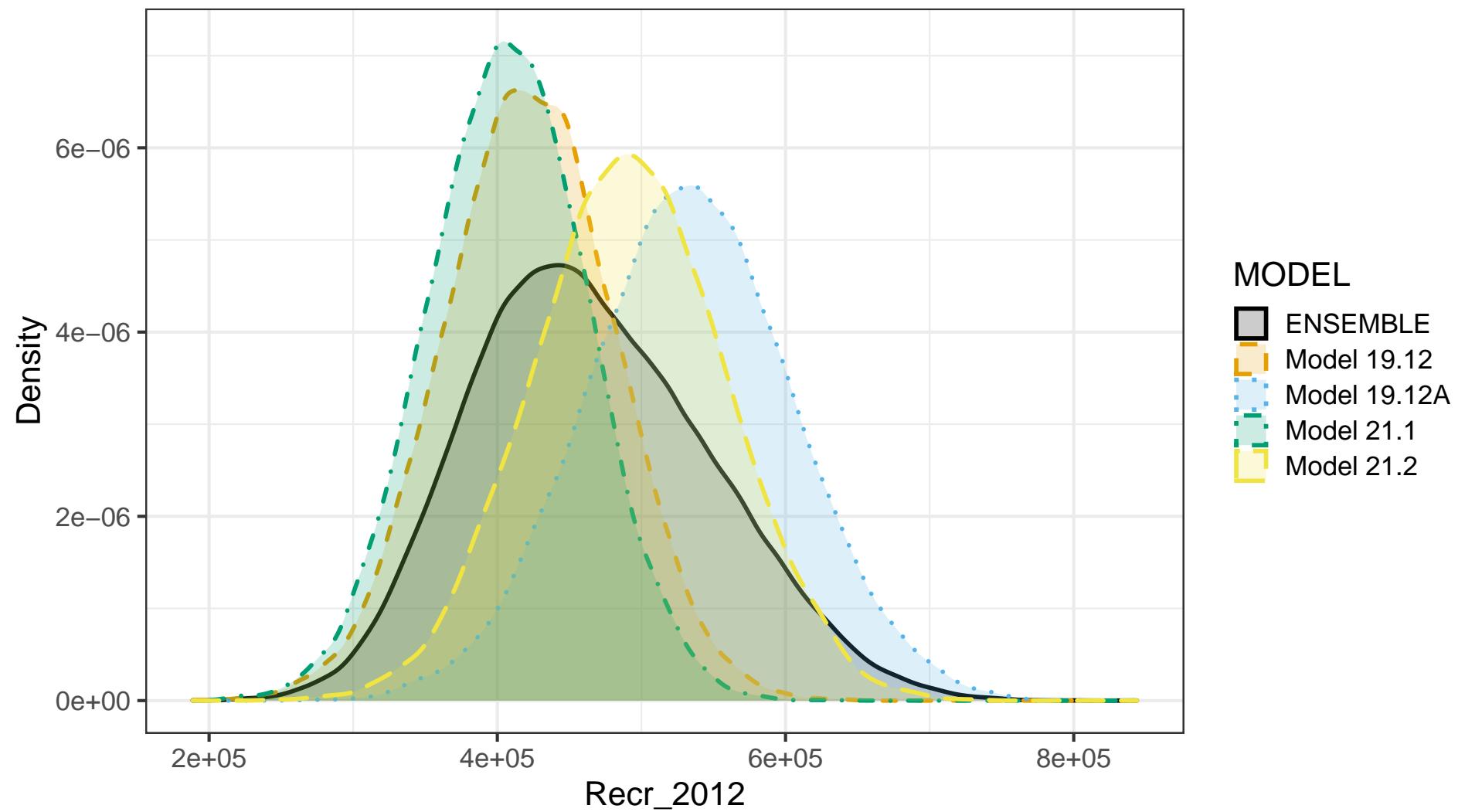
# Recr\_2010



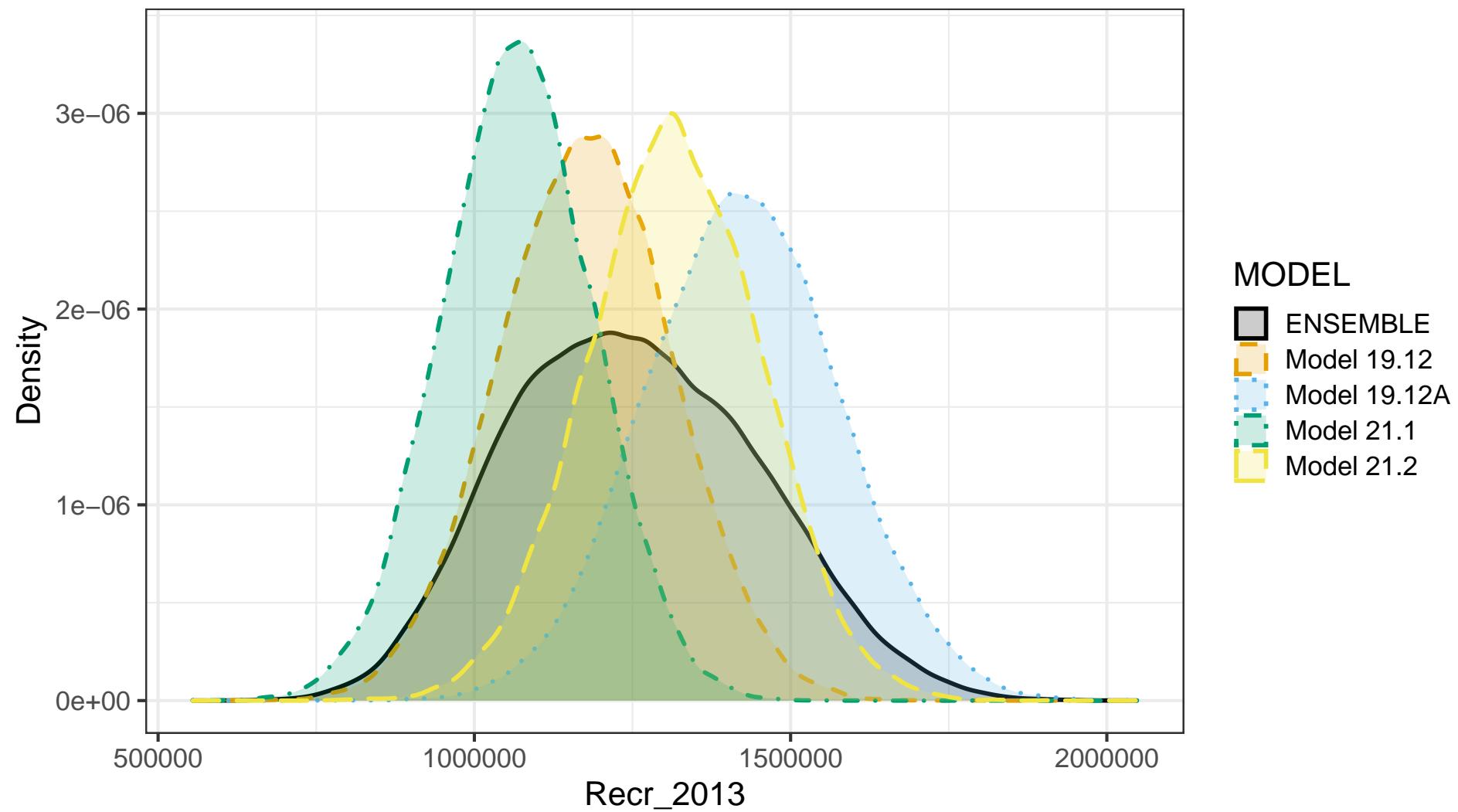
# Recr\_2011



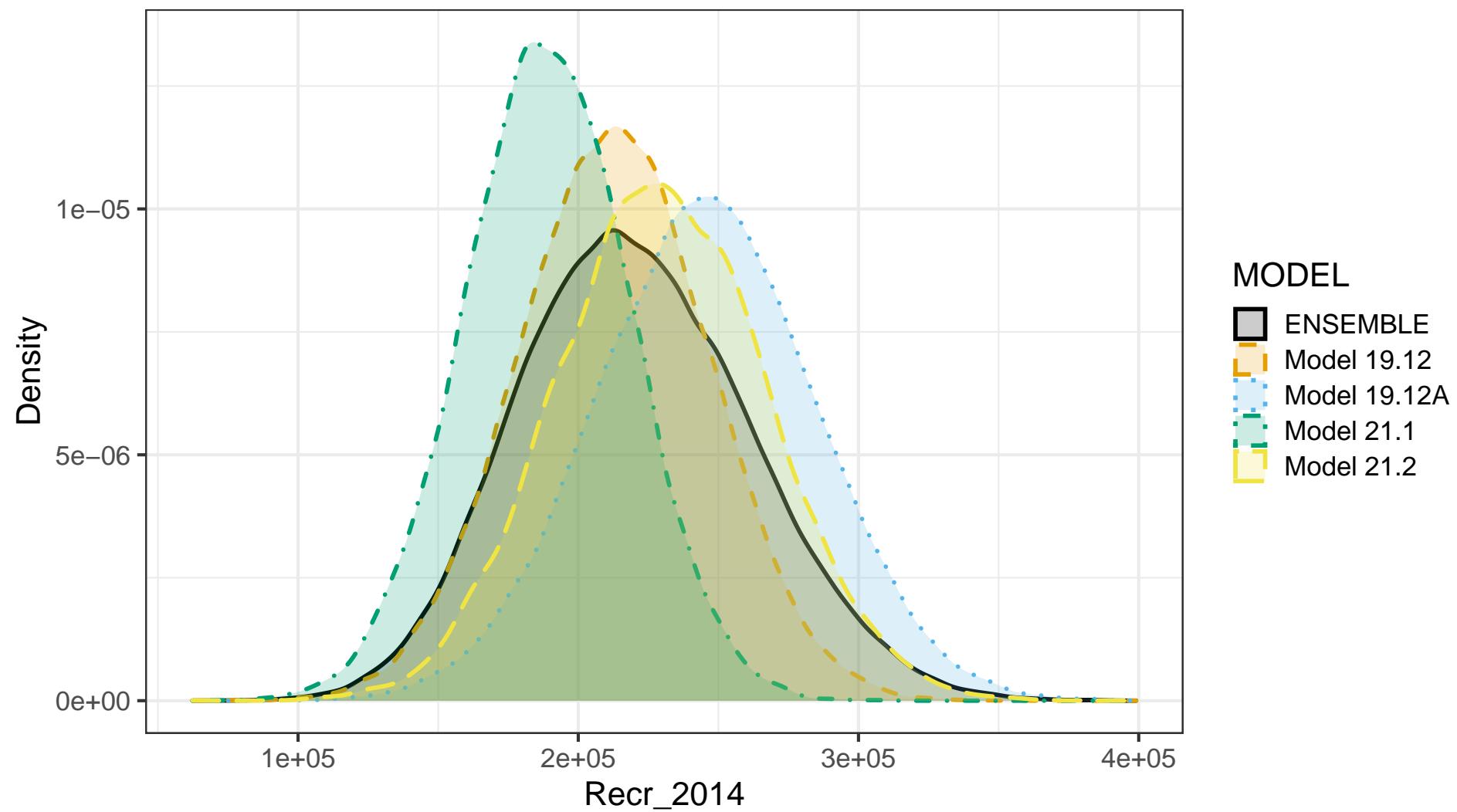
# Recr\_2012



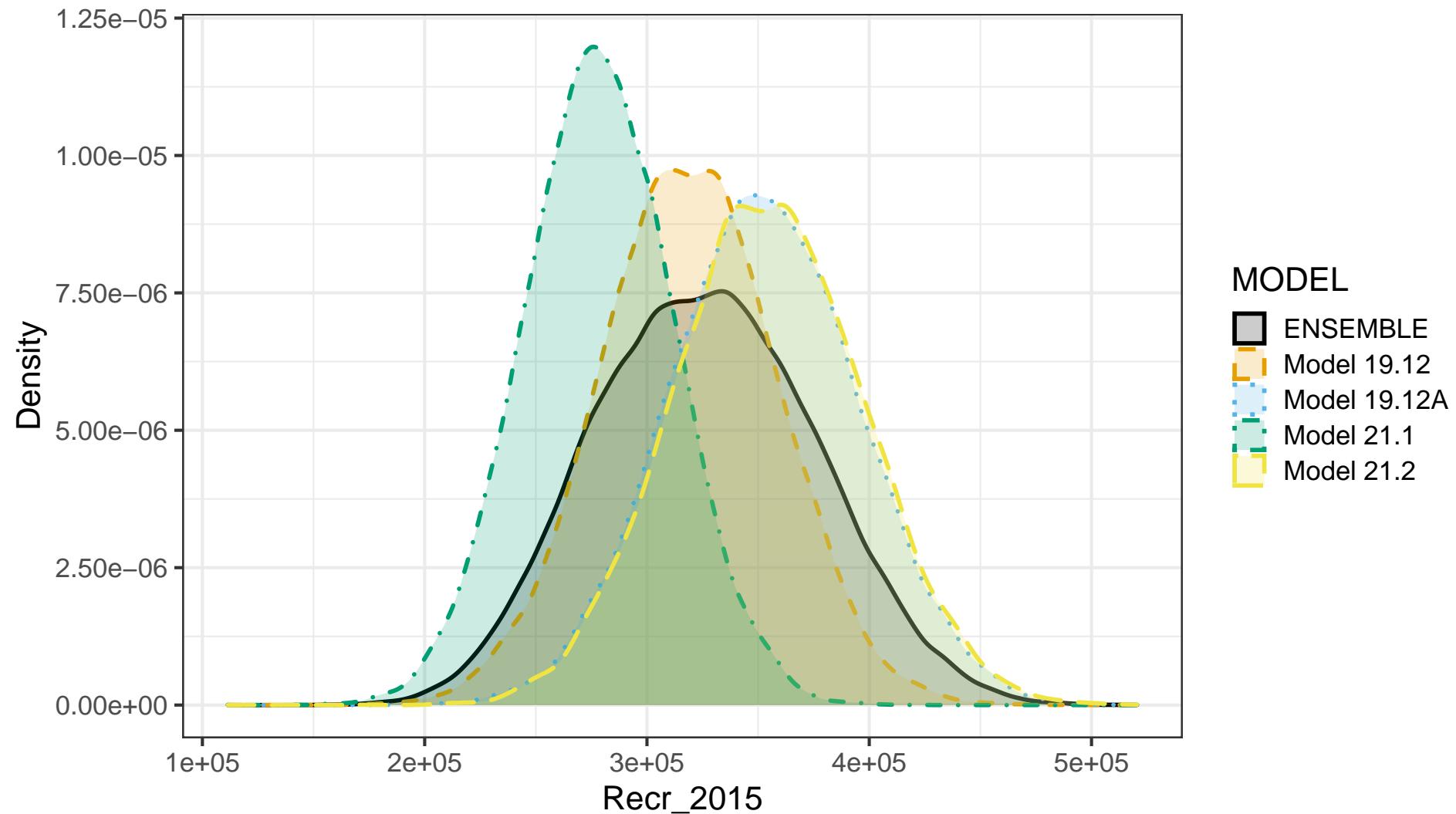
# Recr\_2013



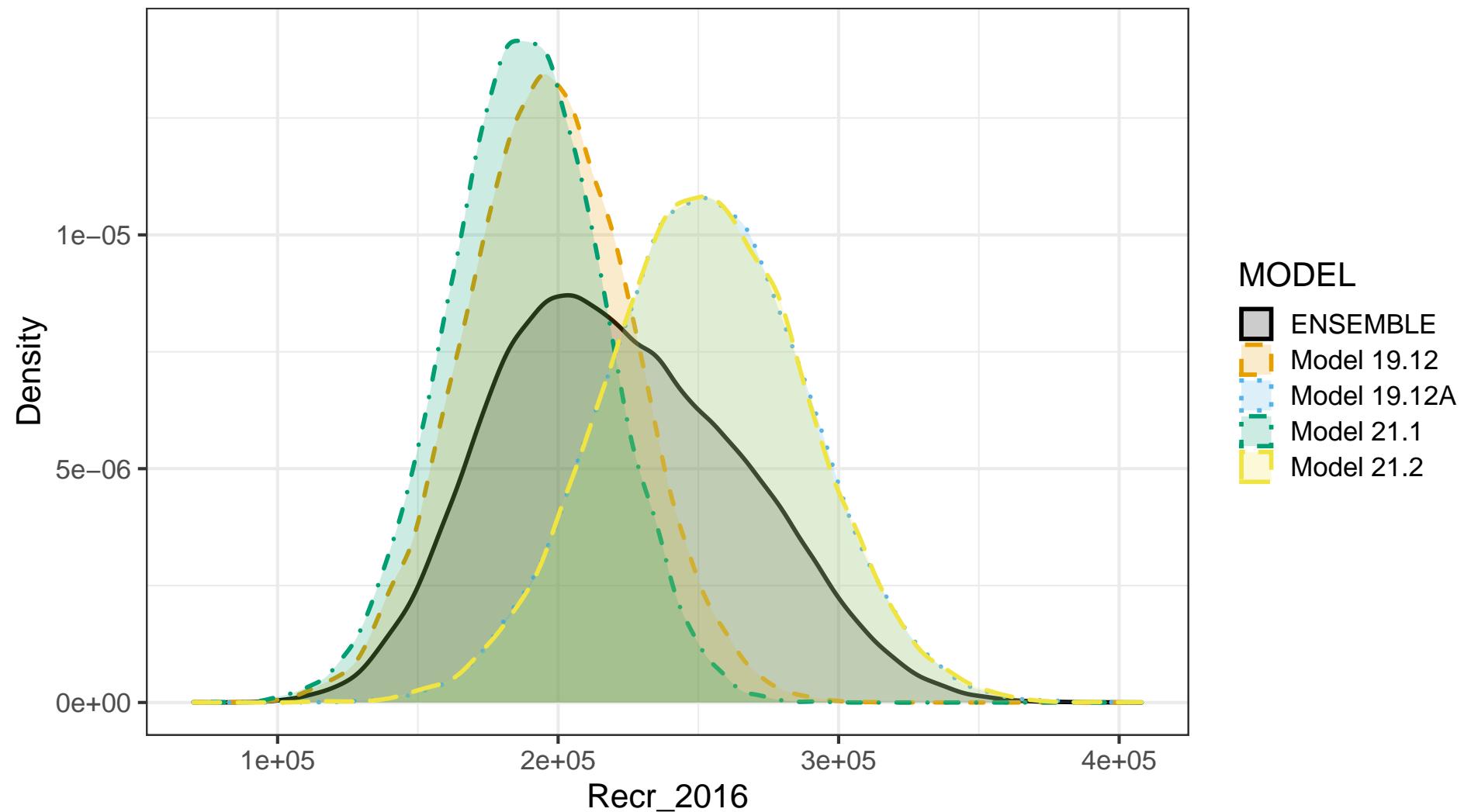
# Recr\_2014



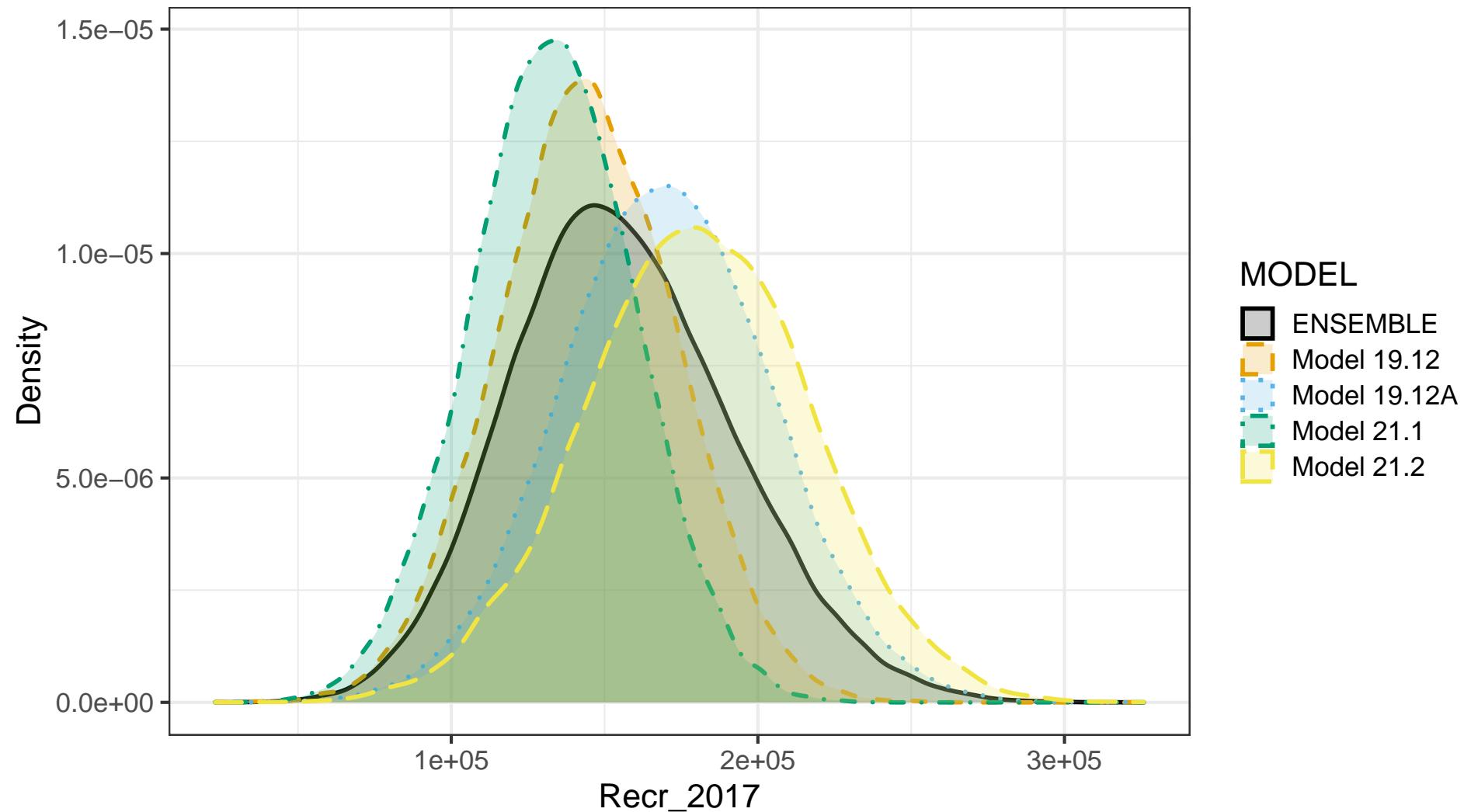
# Recr\_2015



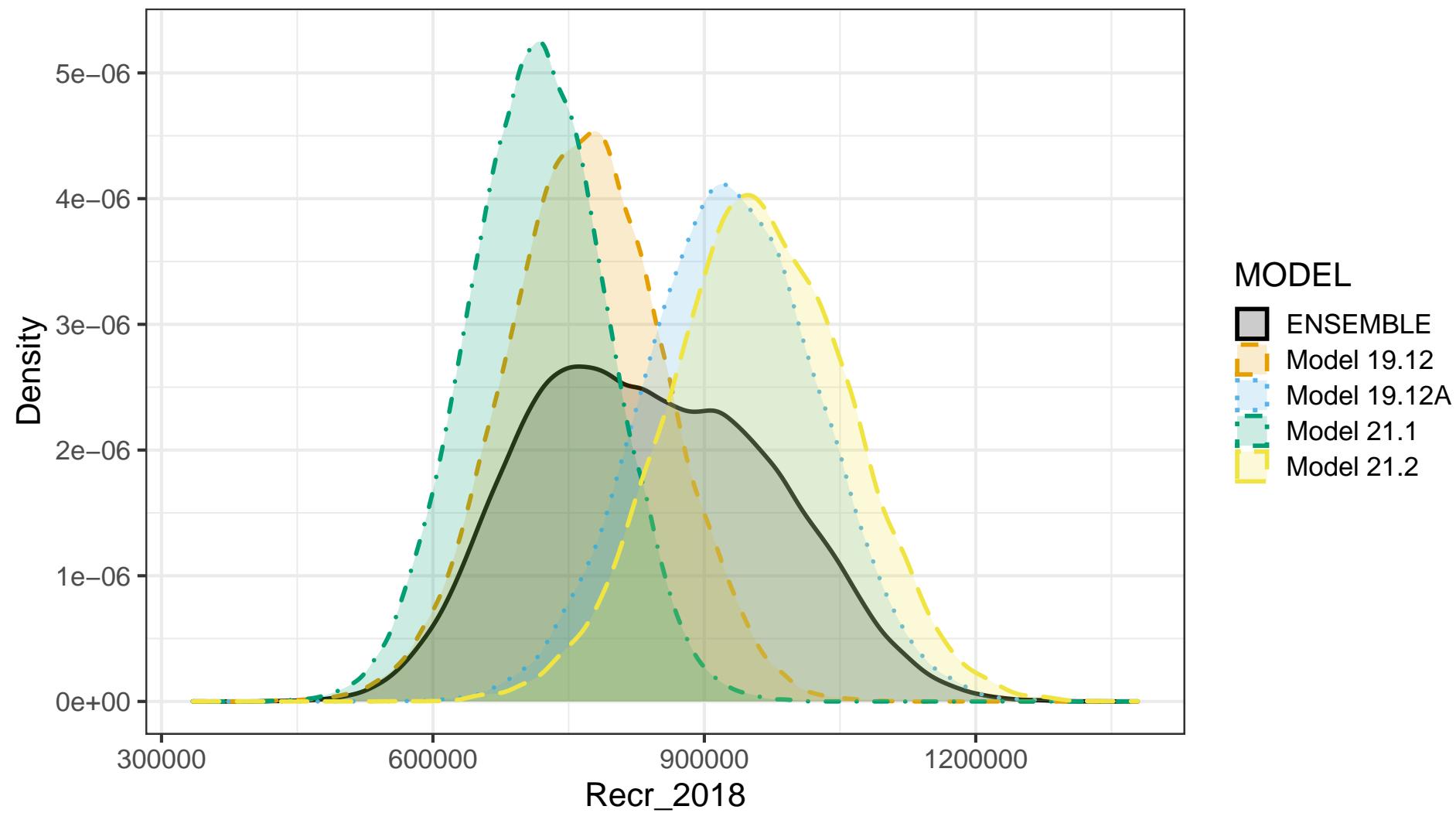
# Recr\_2016



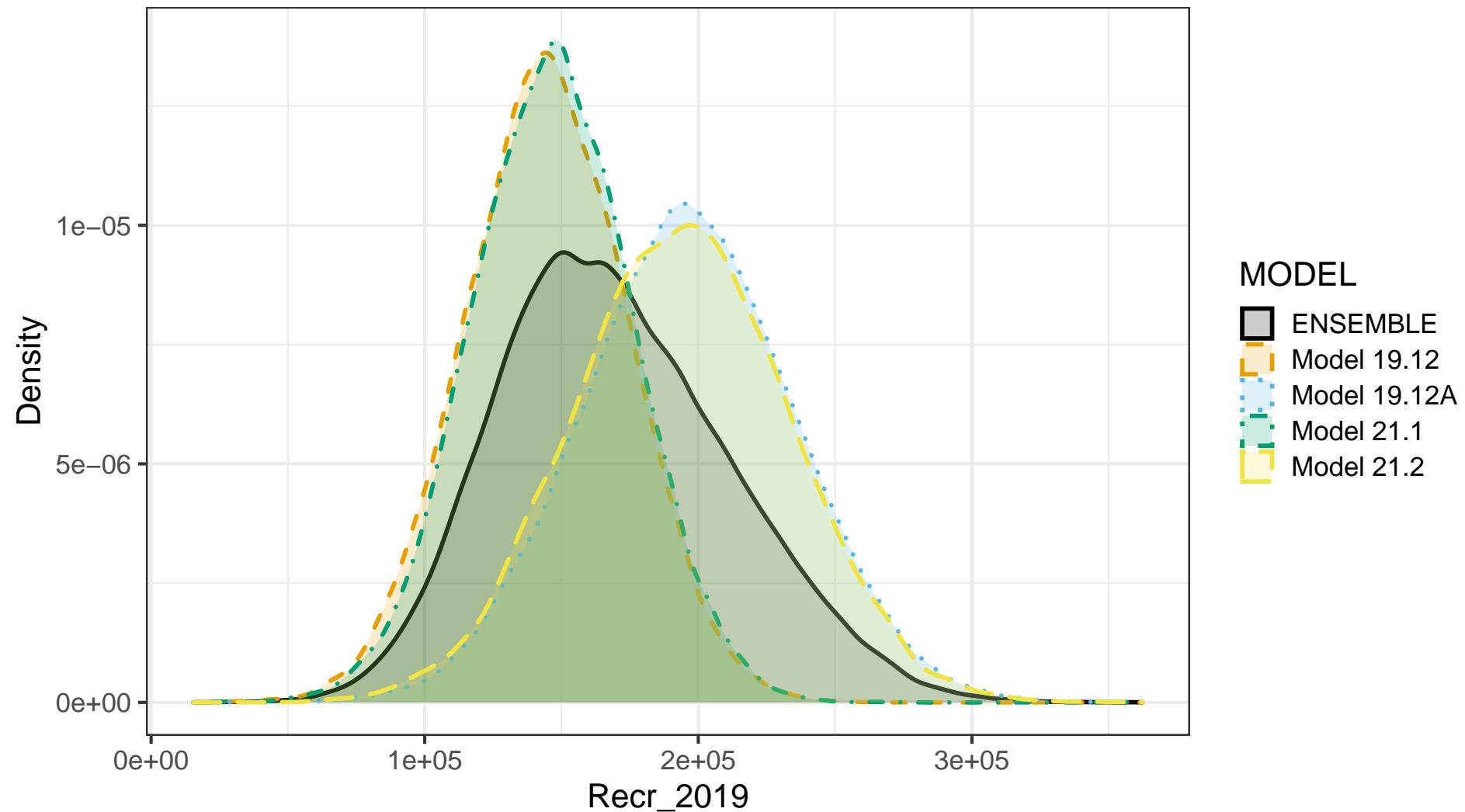
# Recr\_2017



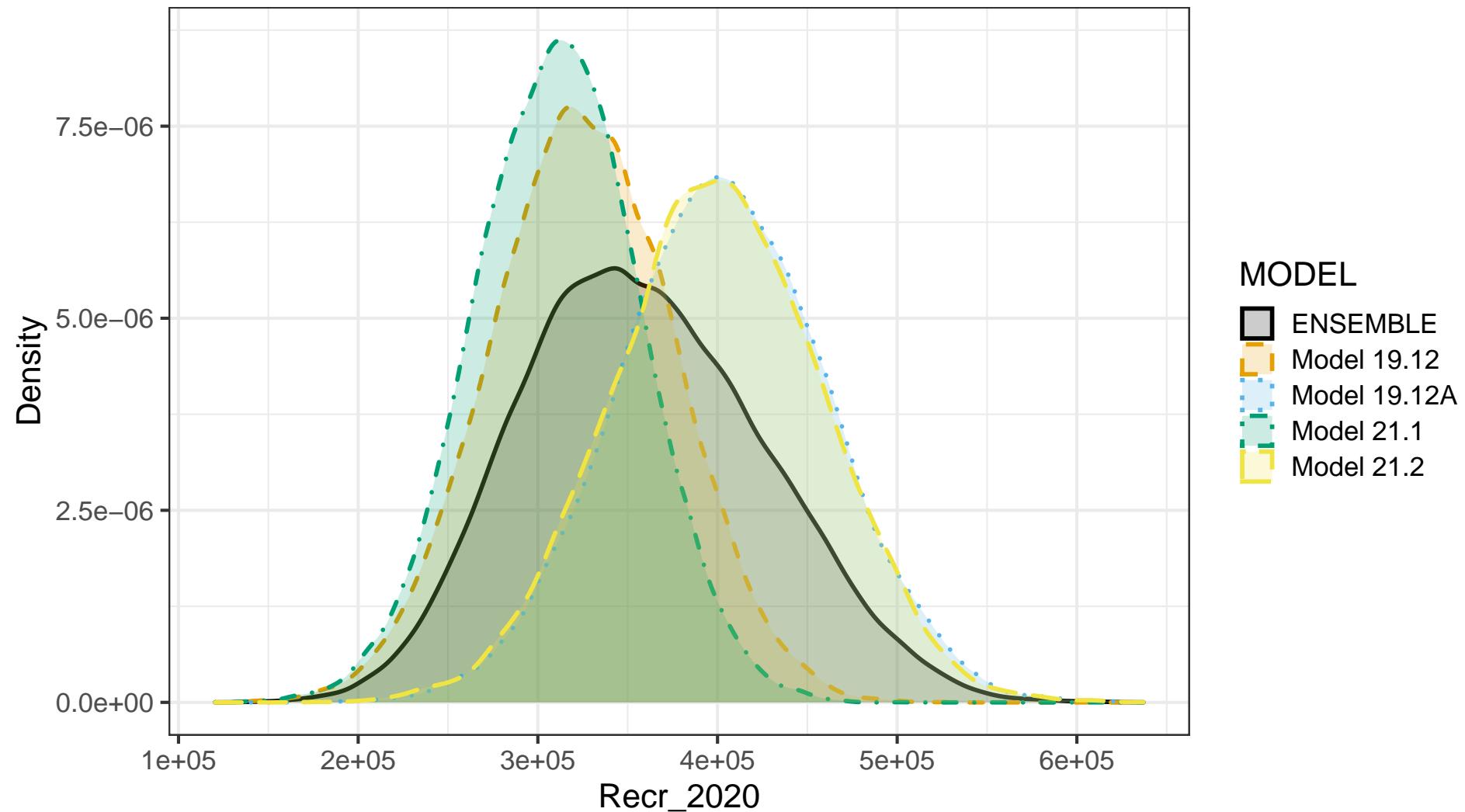
# Recr\_2018



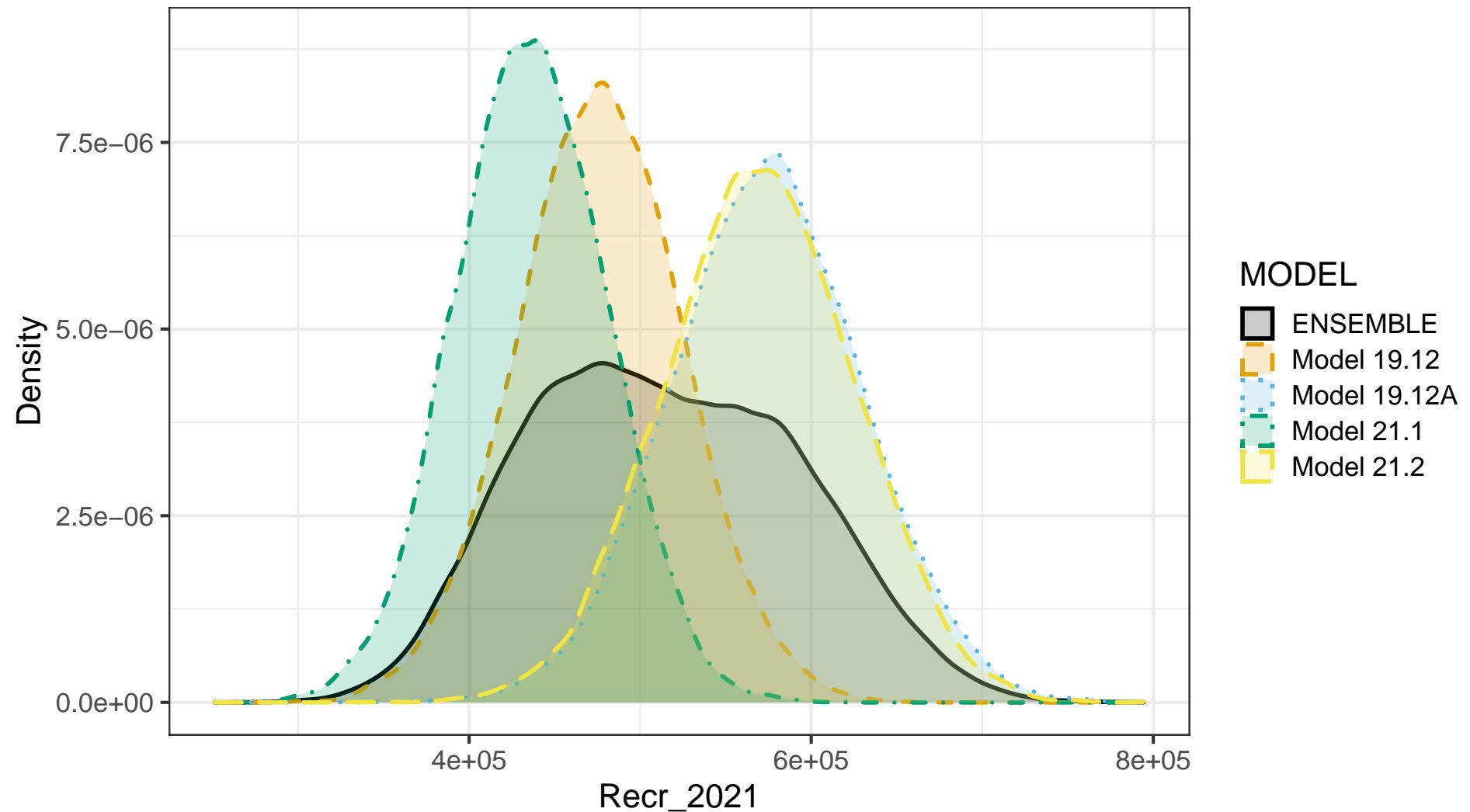
# Recr\_2019



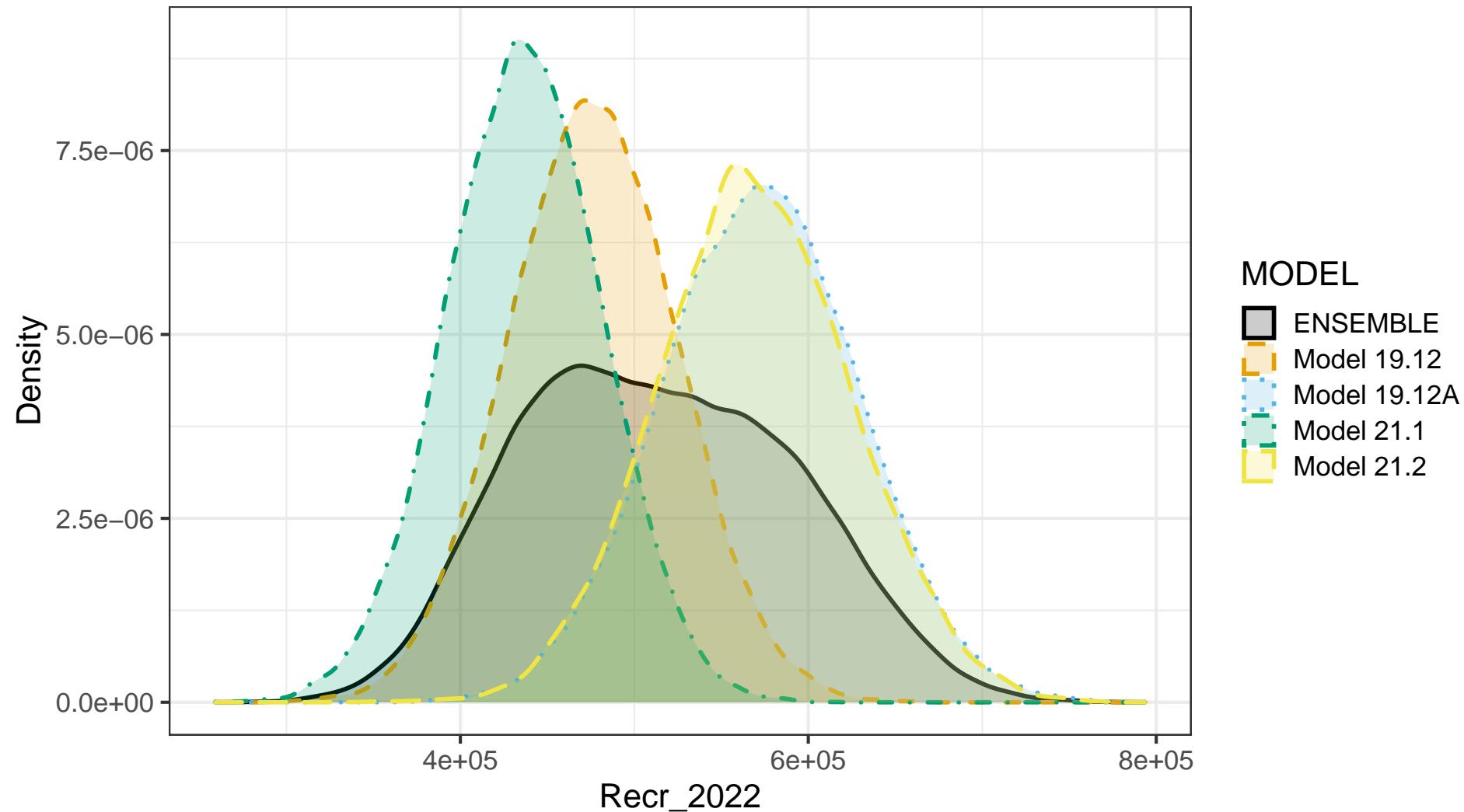
# Recr\_2020



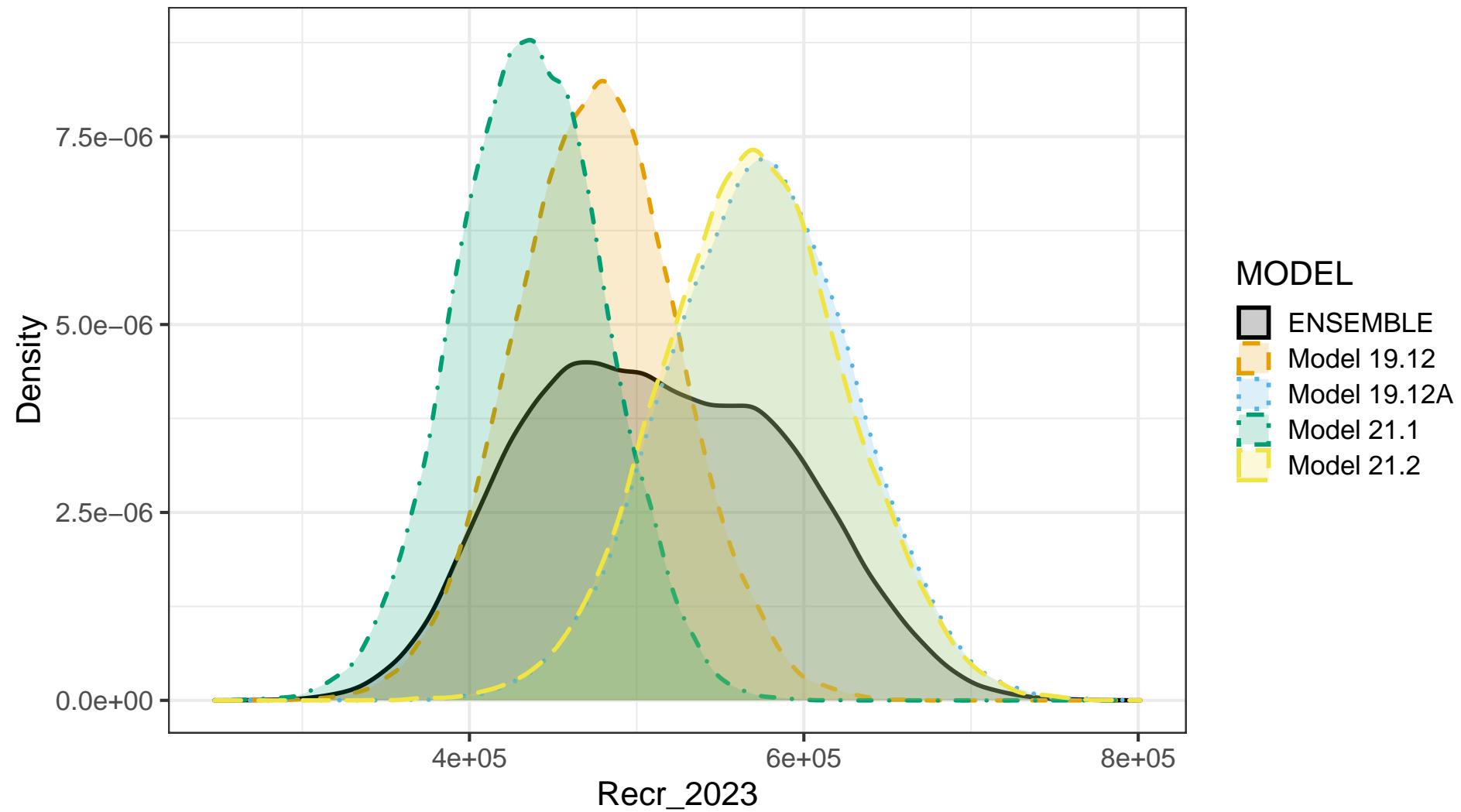
# Recr\_2021



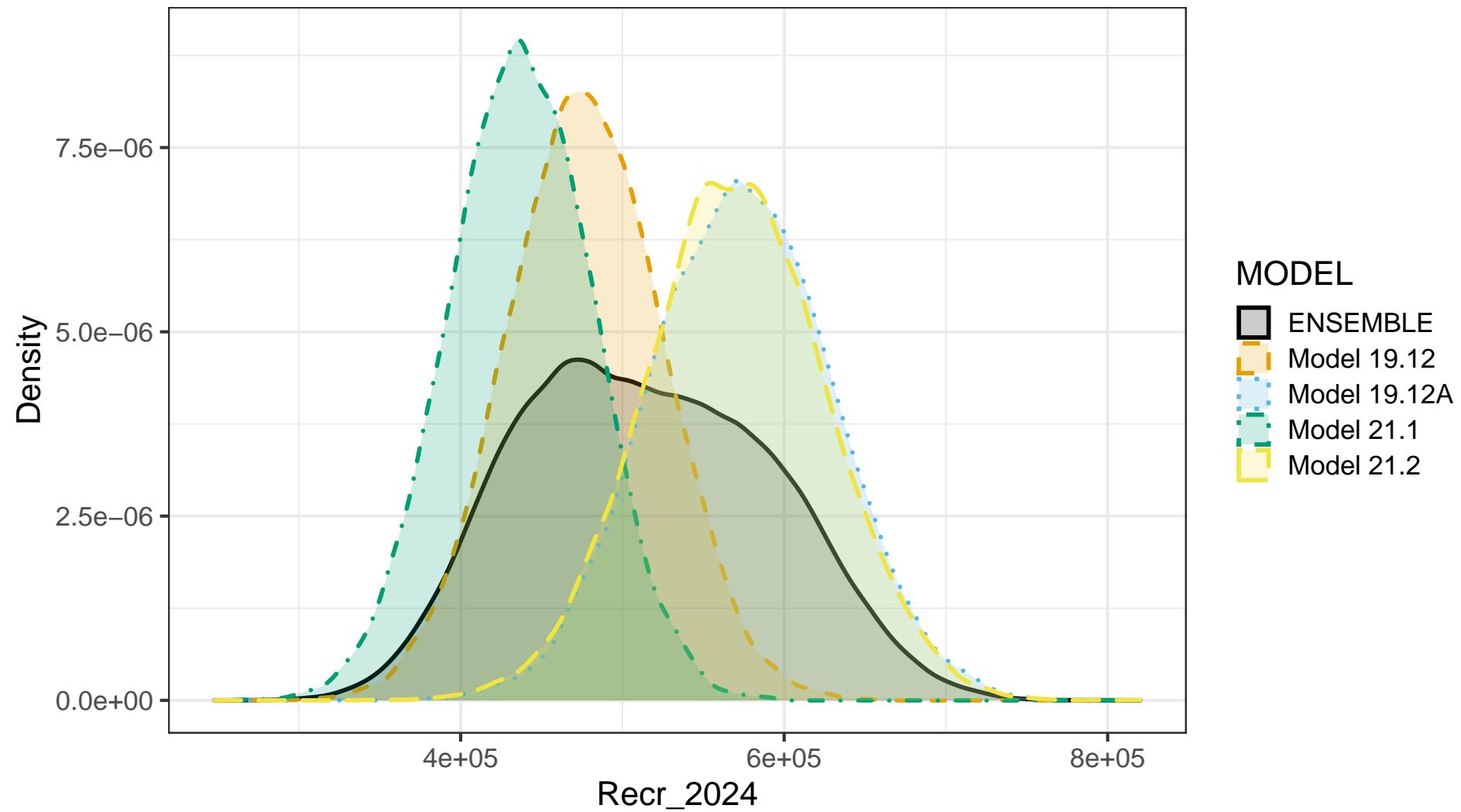
# Recr\_2022



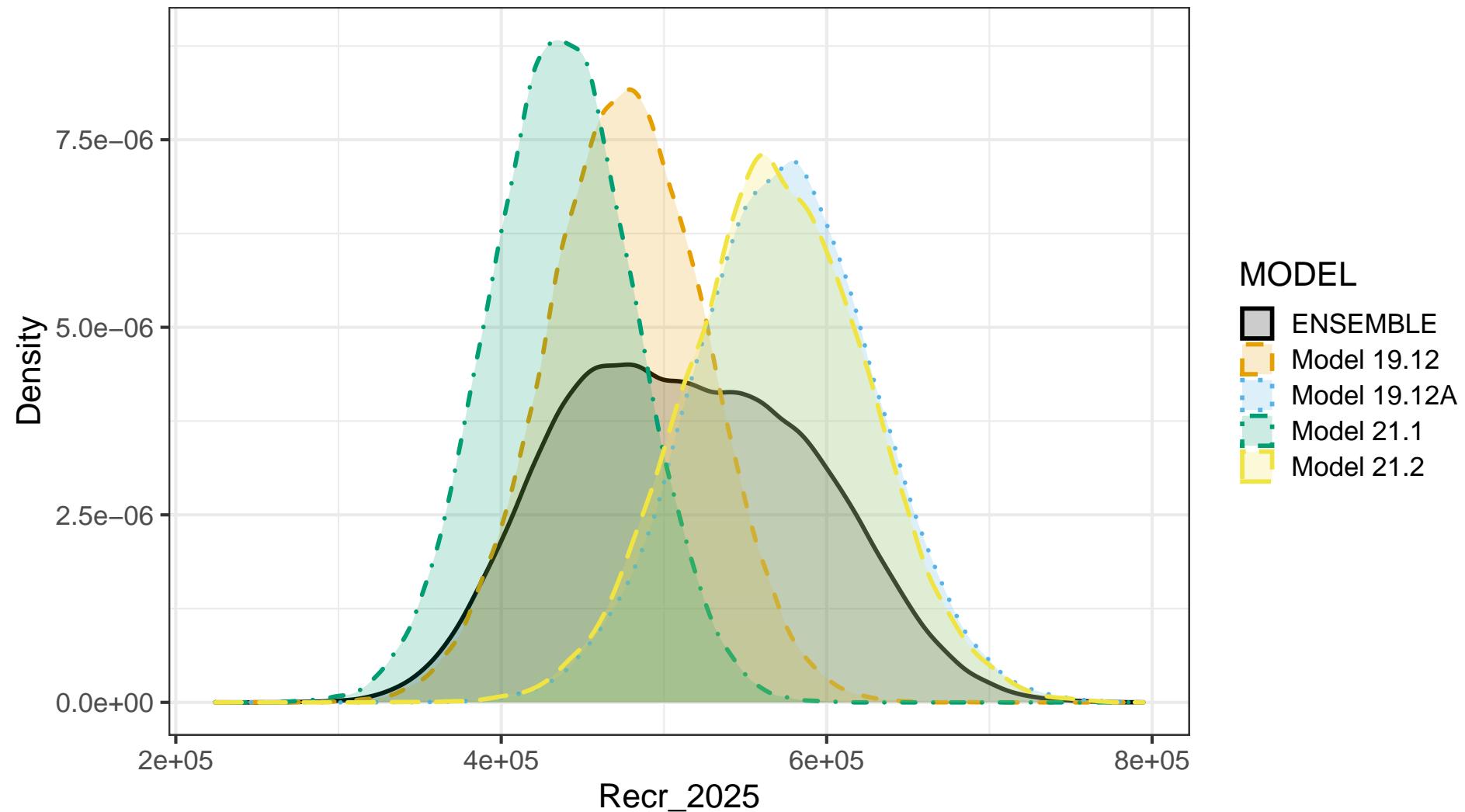
# Recr\_2023



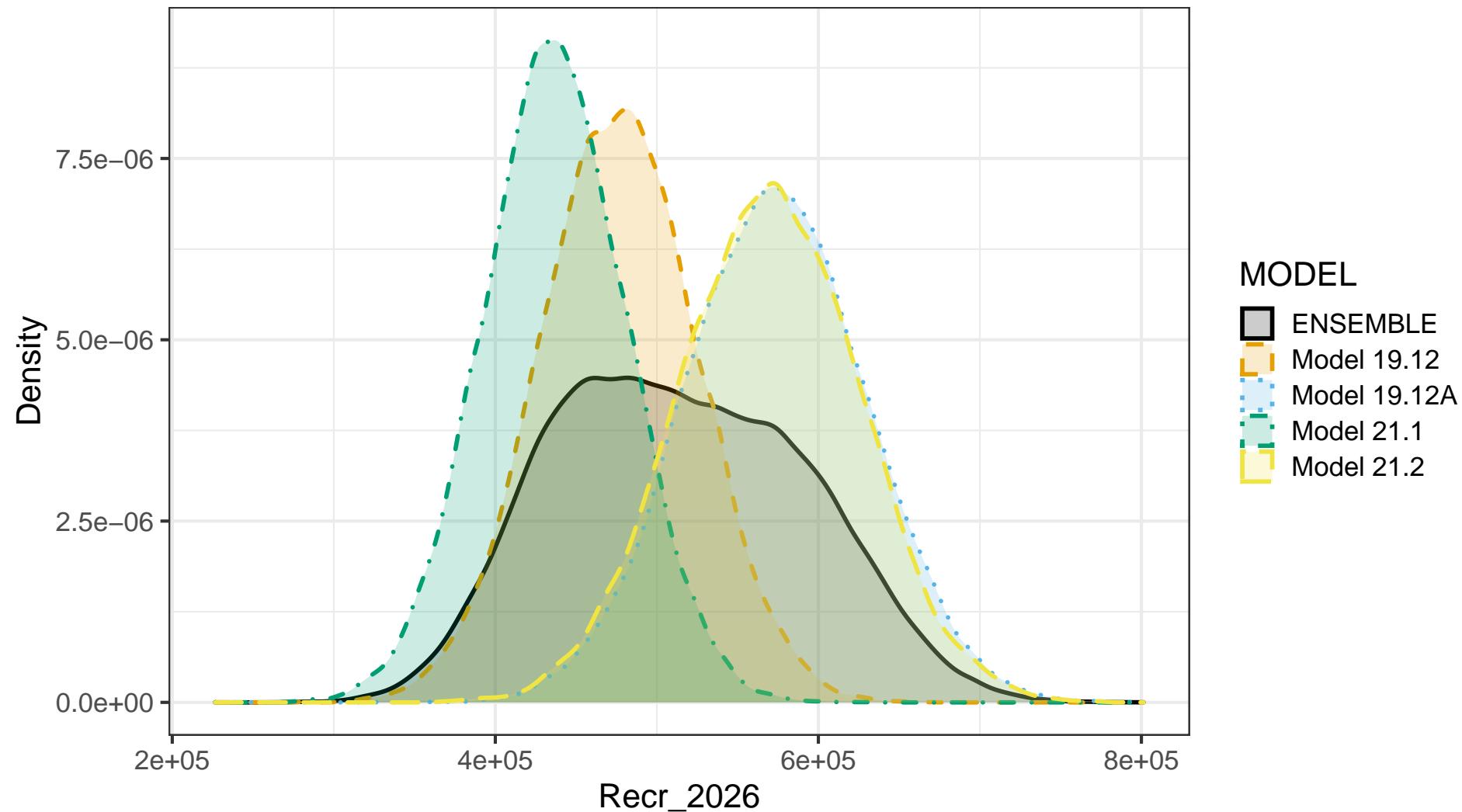
# Recr\_2024



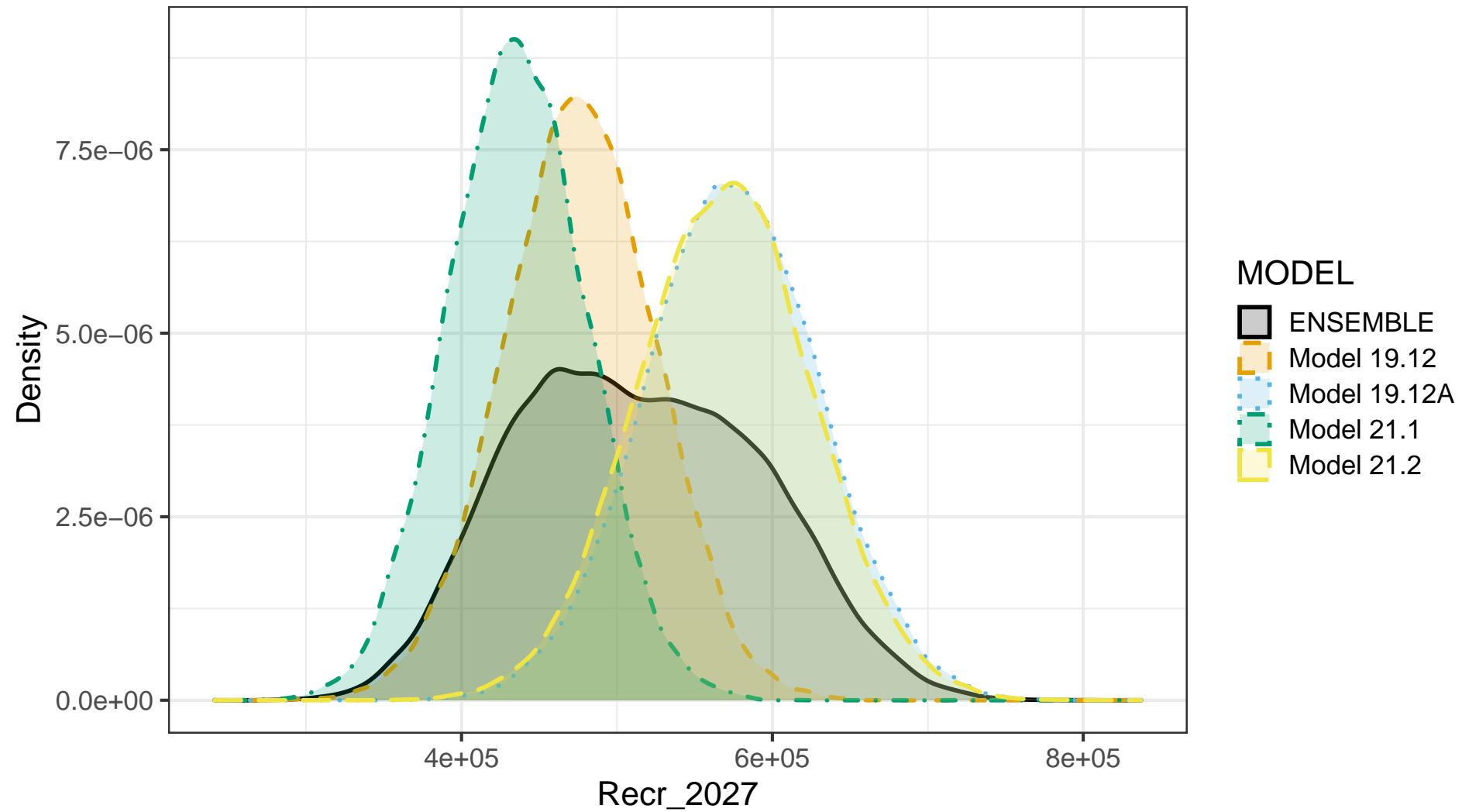
# Recr\_2025



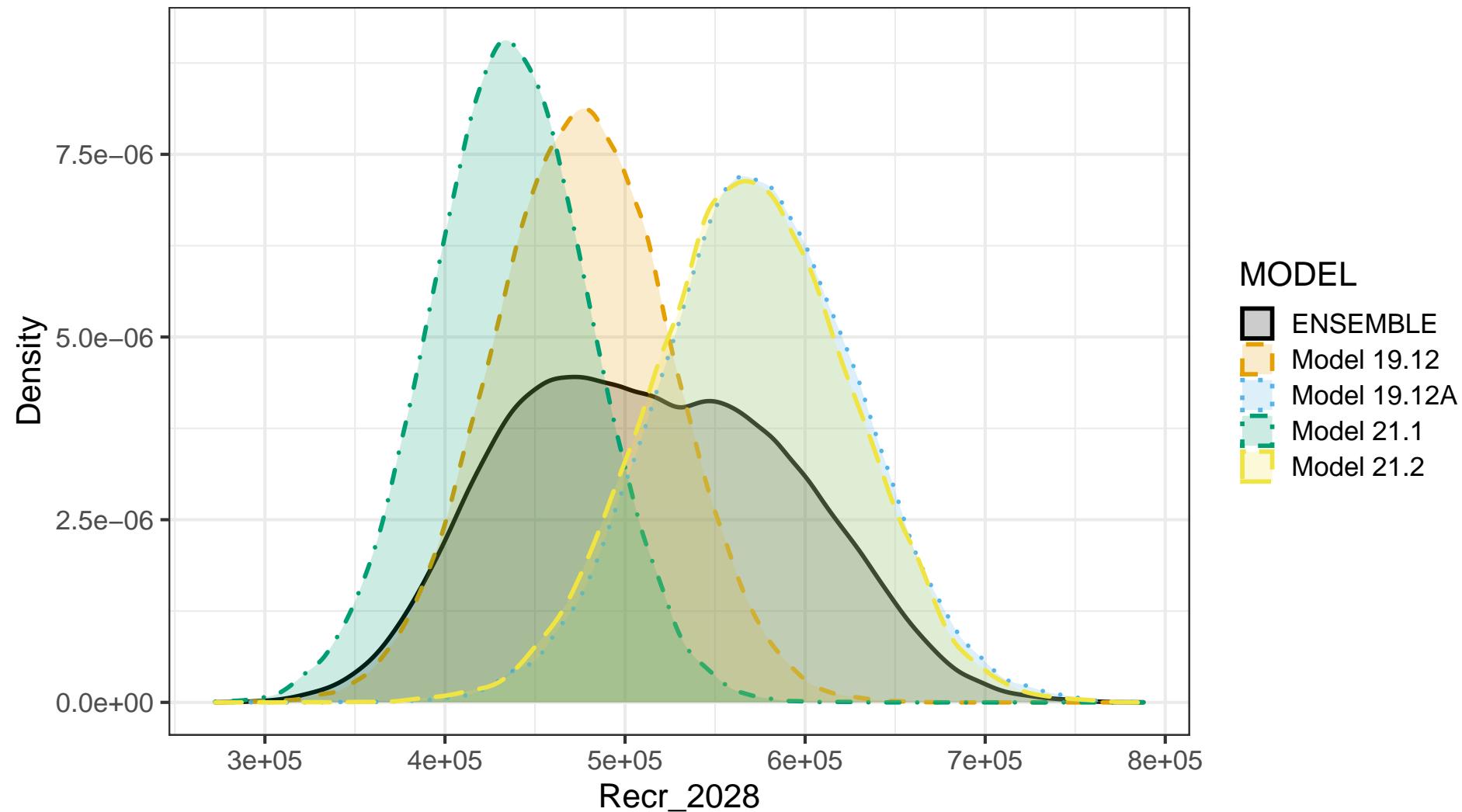
# Recr\_2026



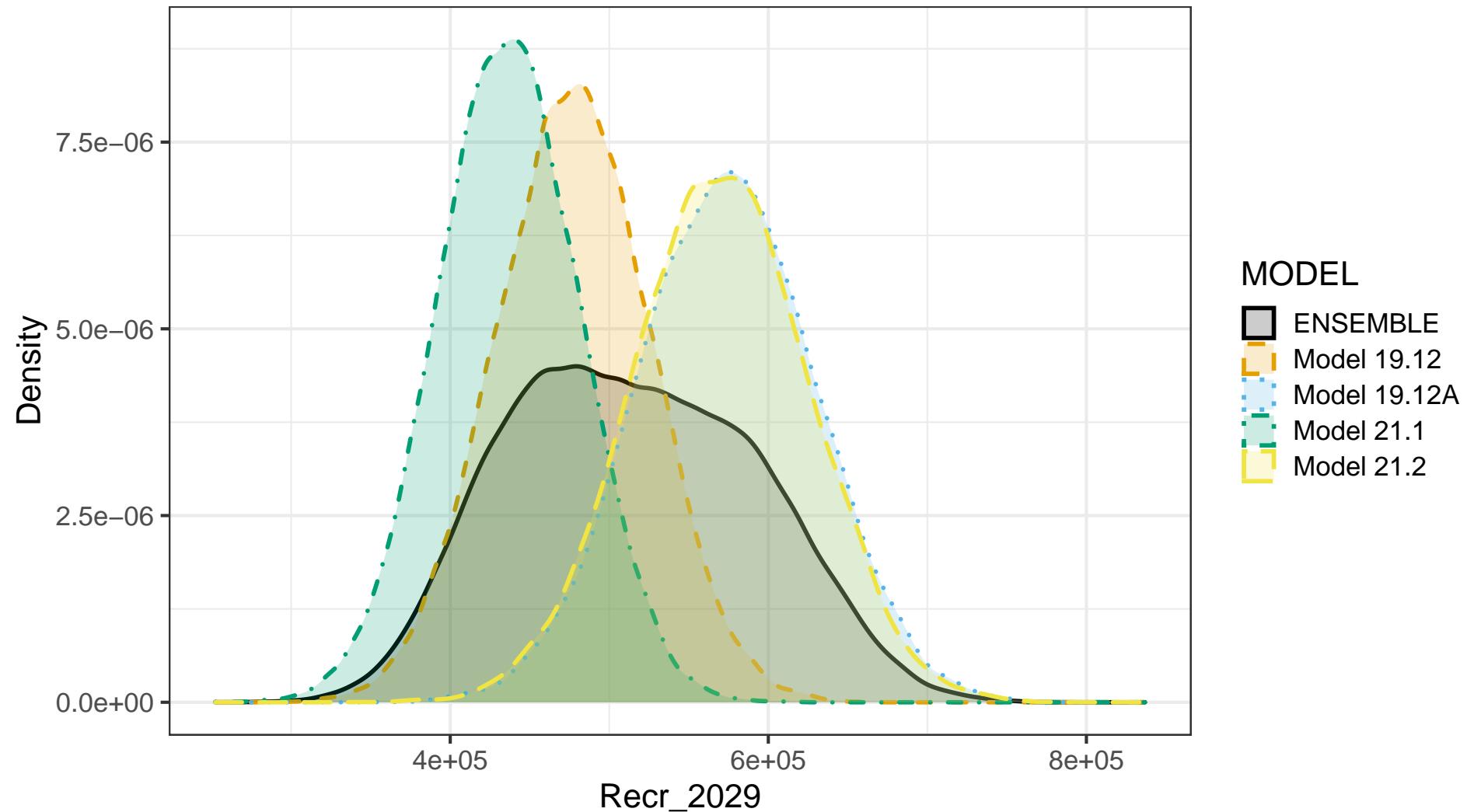
# Recr\_2027



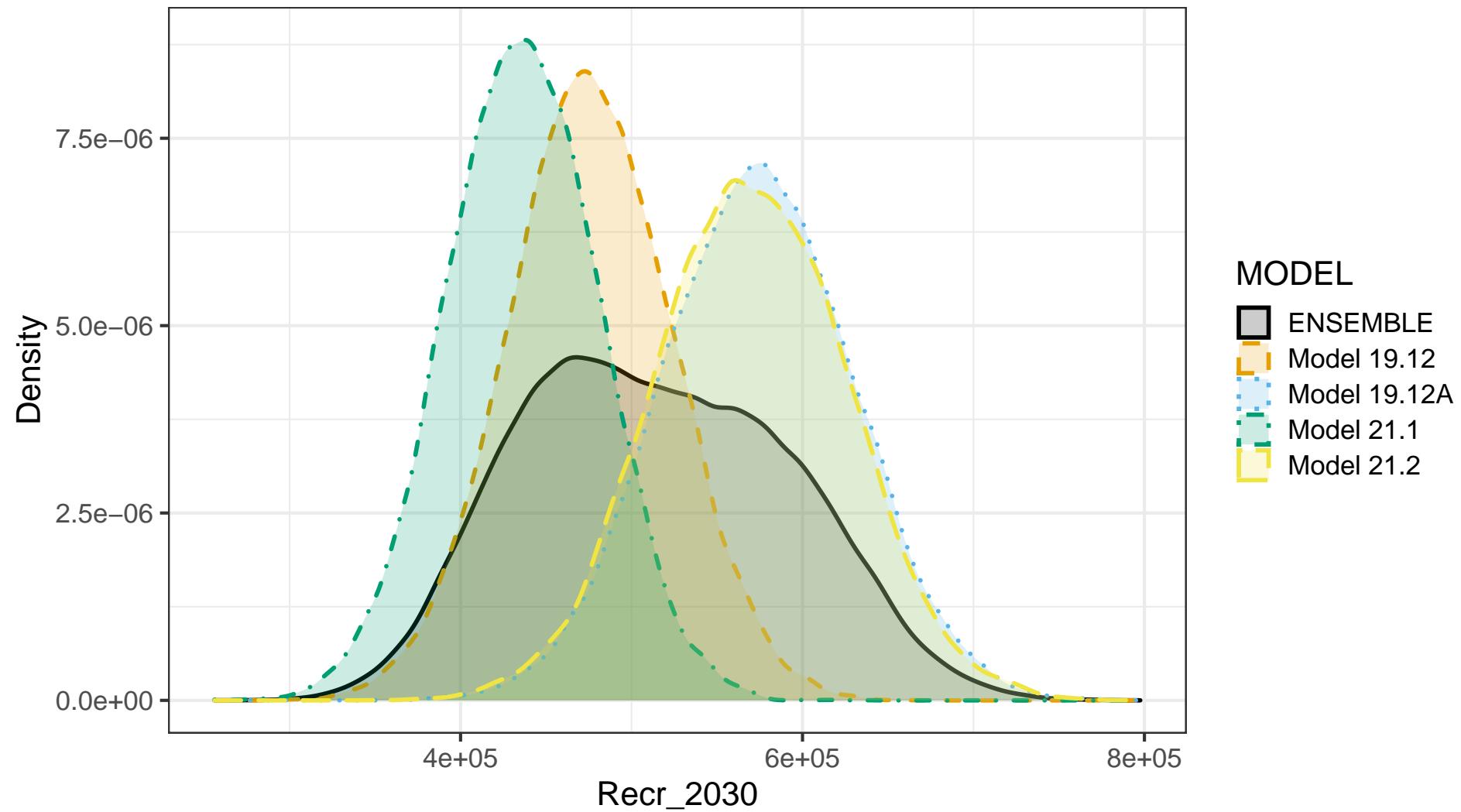
# Recr\_2028



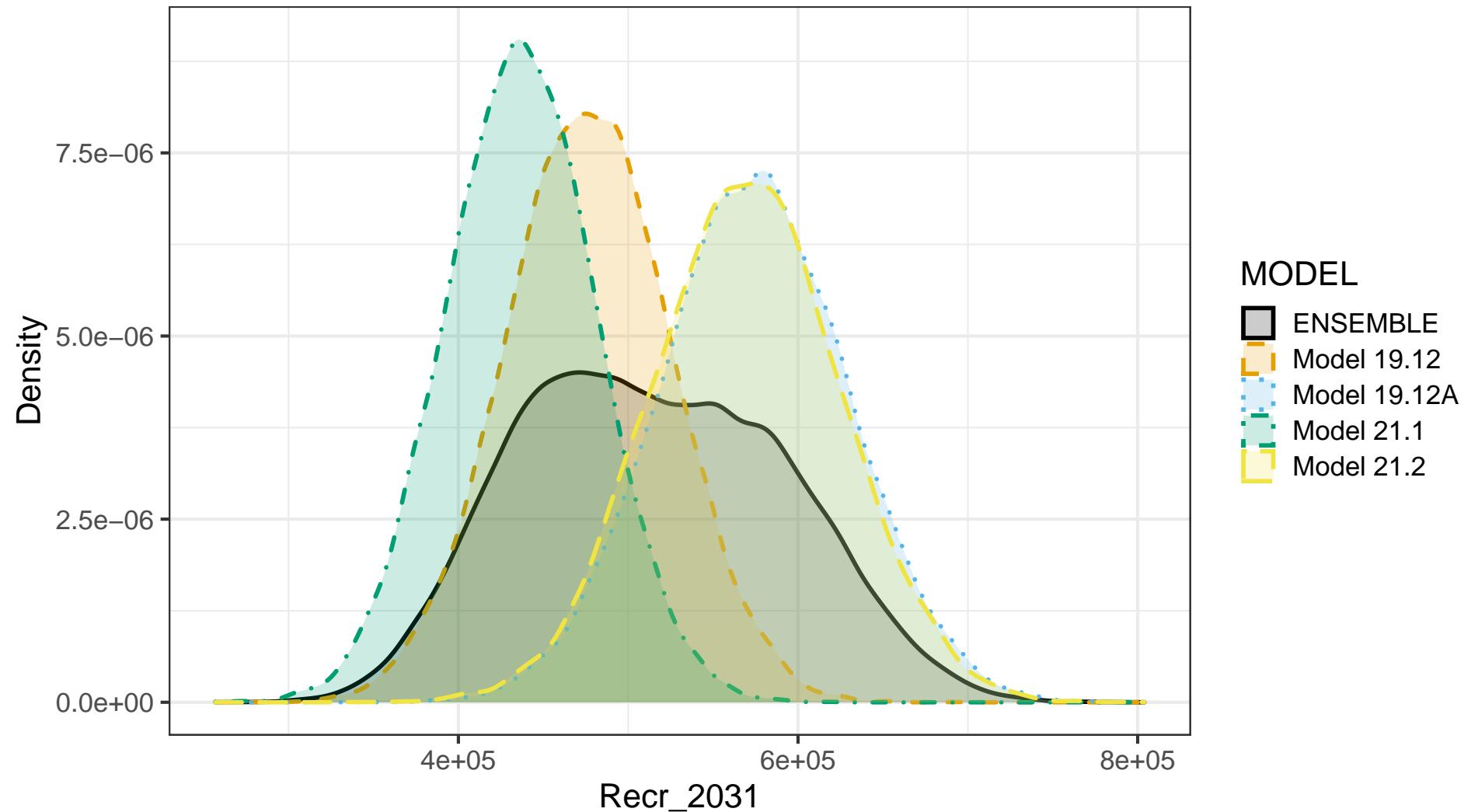
# Recr\_2029



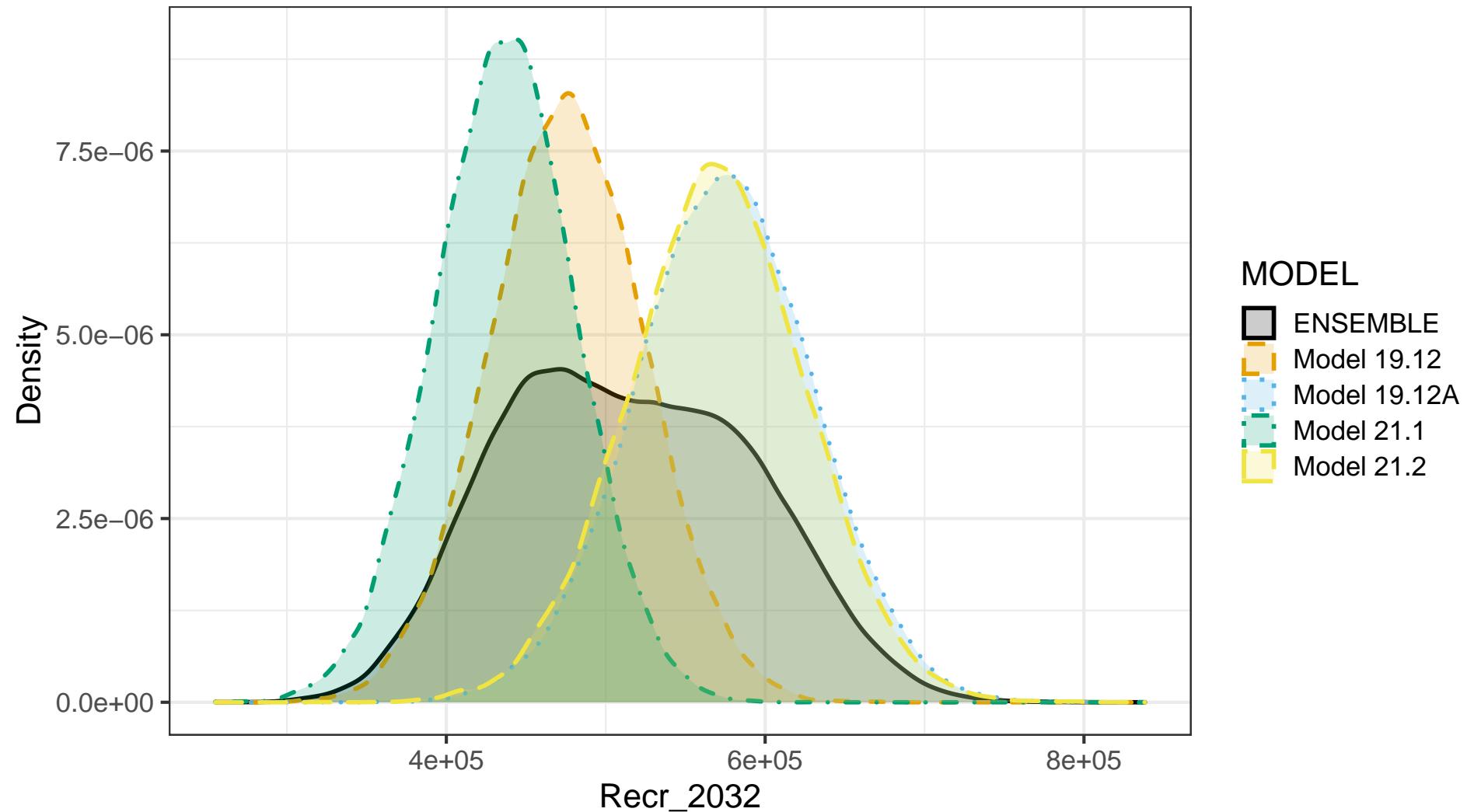
# Recr\_2030



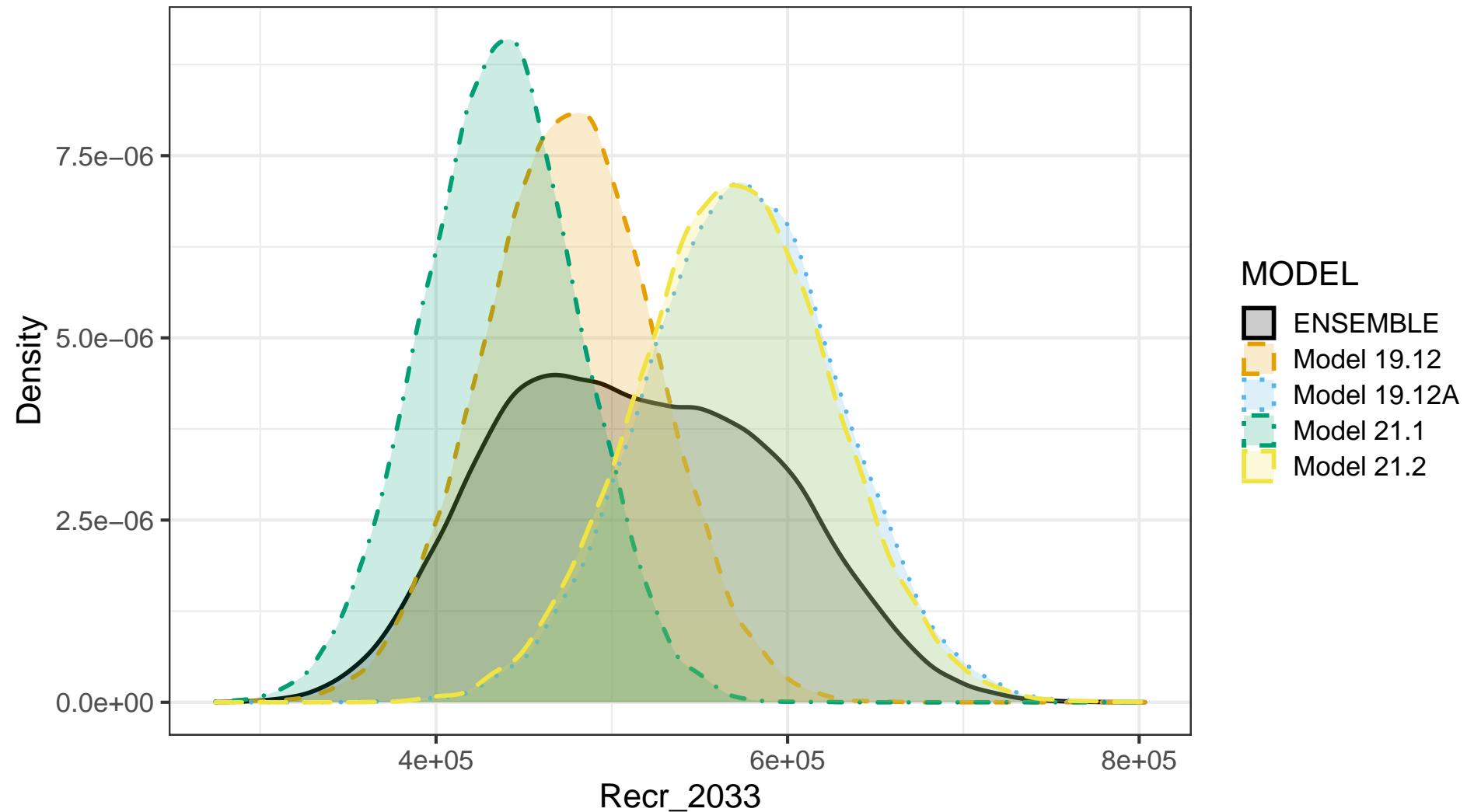
# Recr\_2031



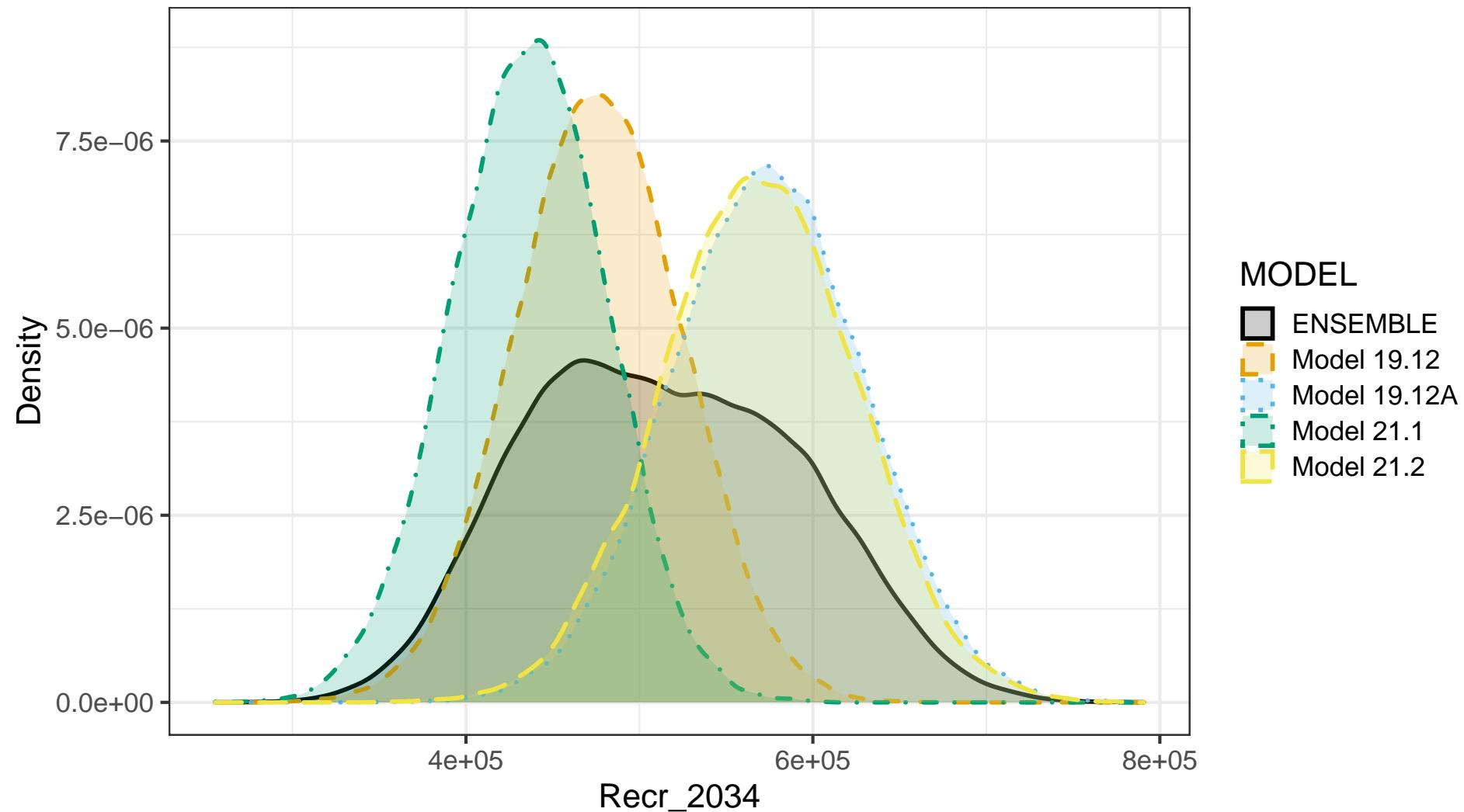
# Recr\_2032



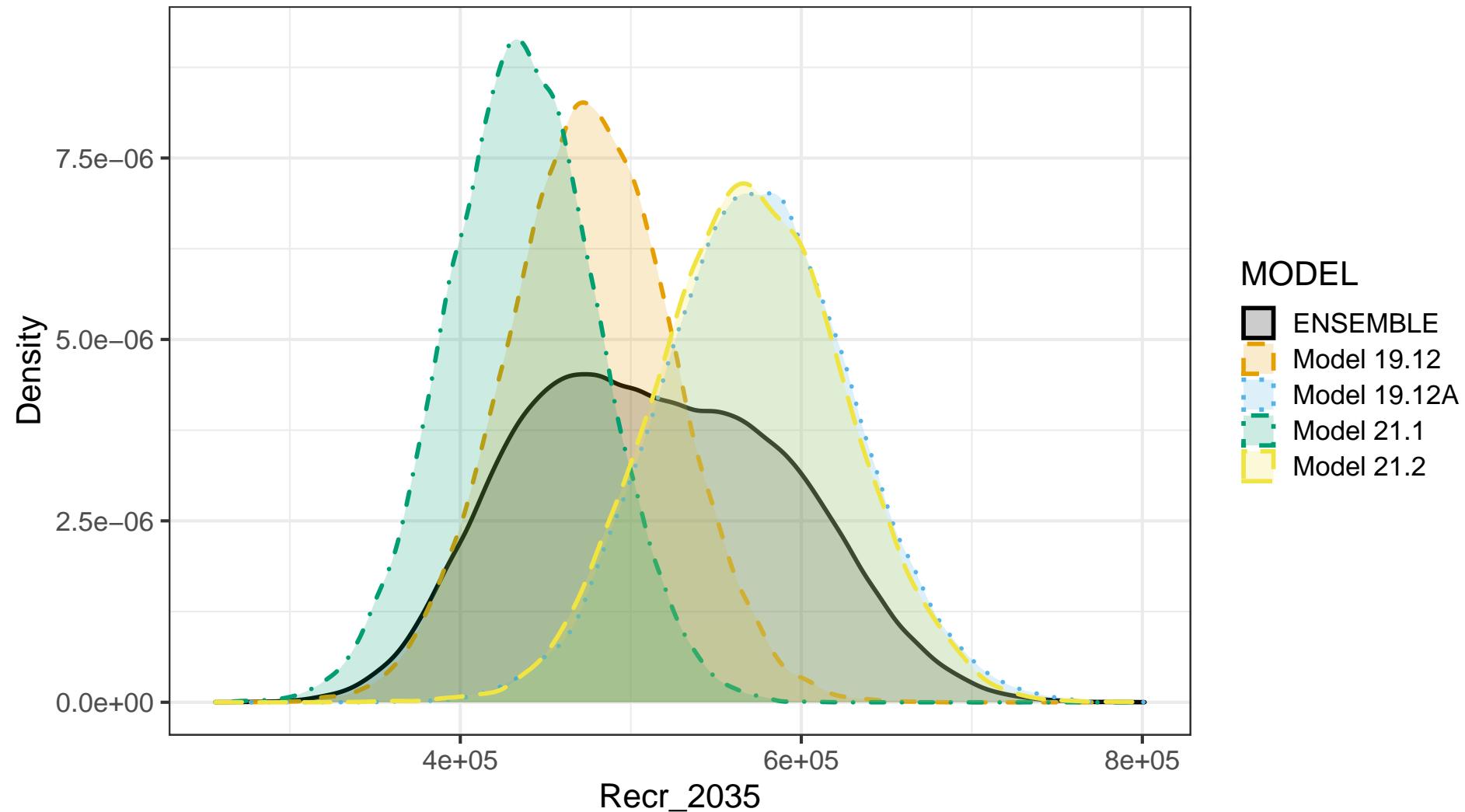
# Recr\_2033



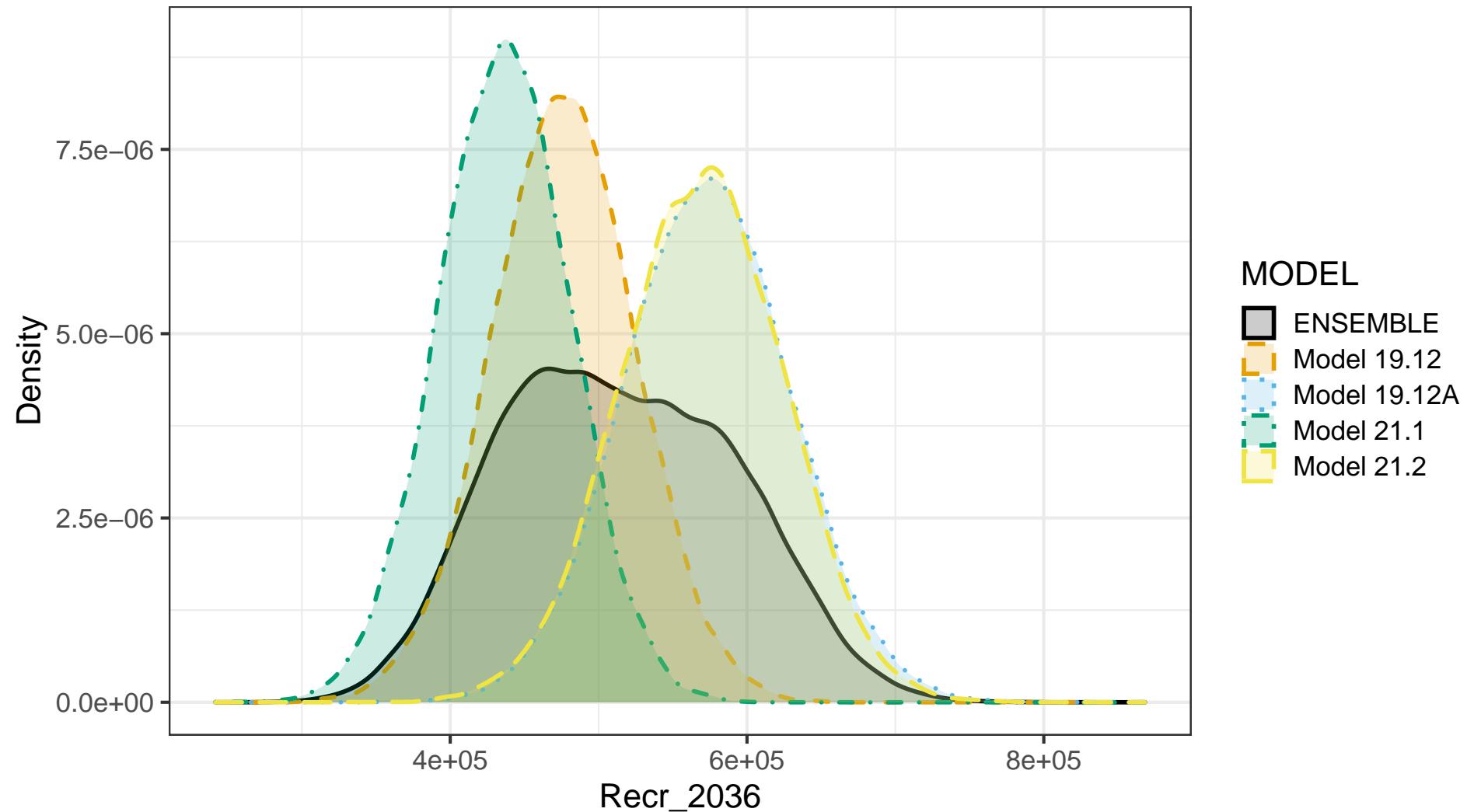
# Recr\_2034



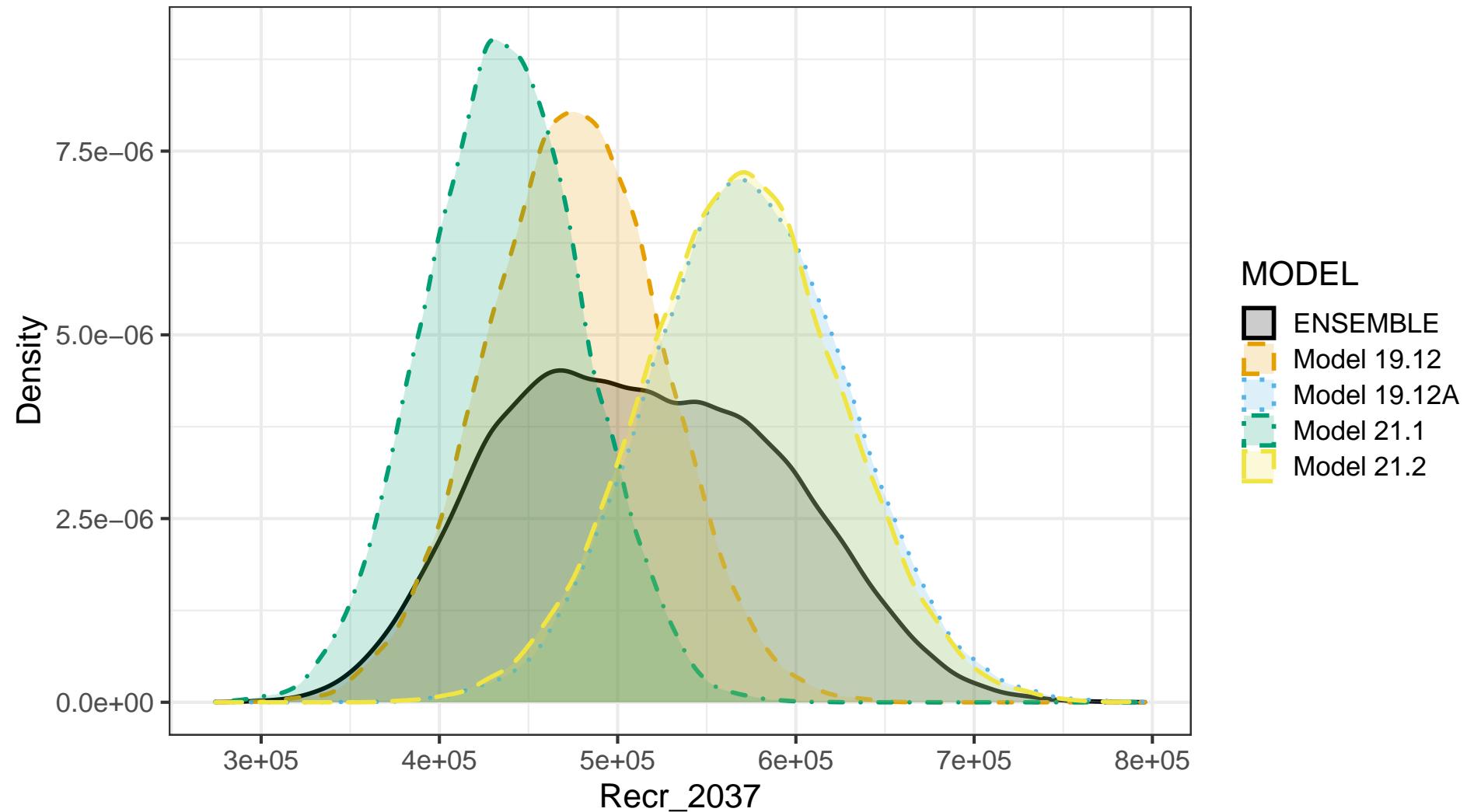
# Recr\_2035



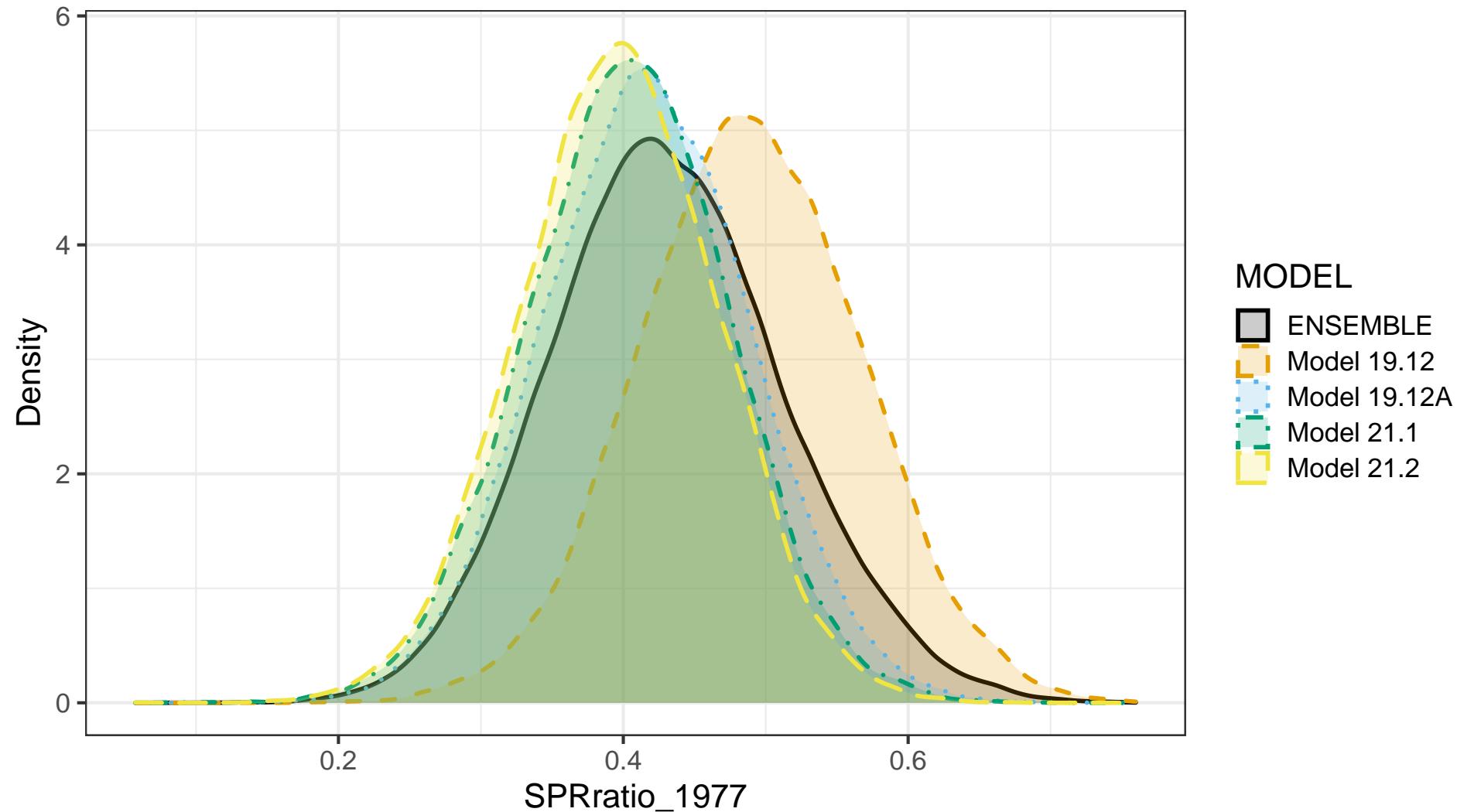
# Recr\_2036



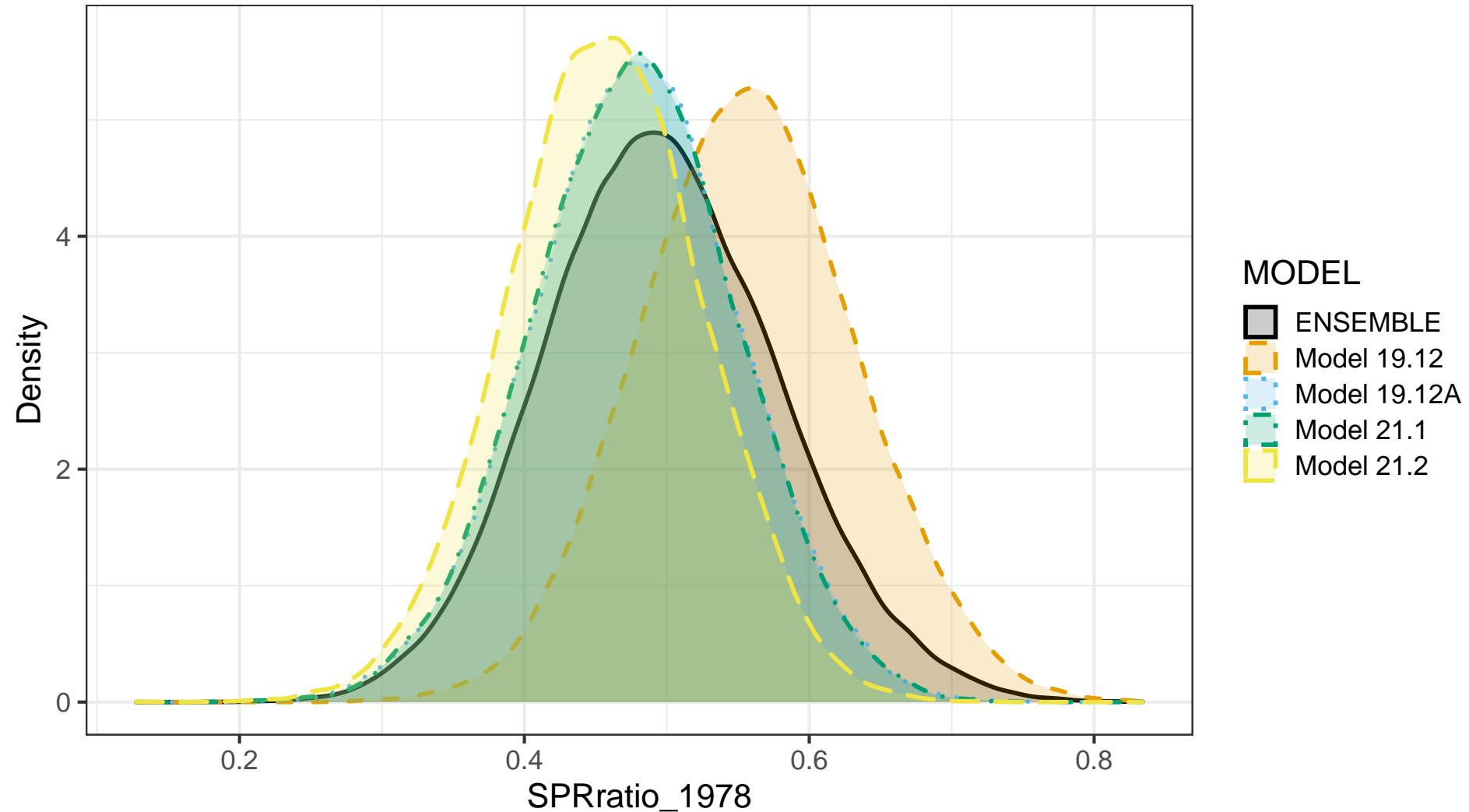
# Recr\_2037



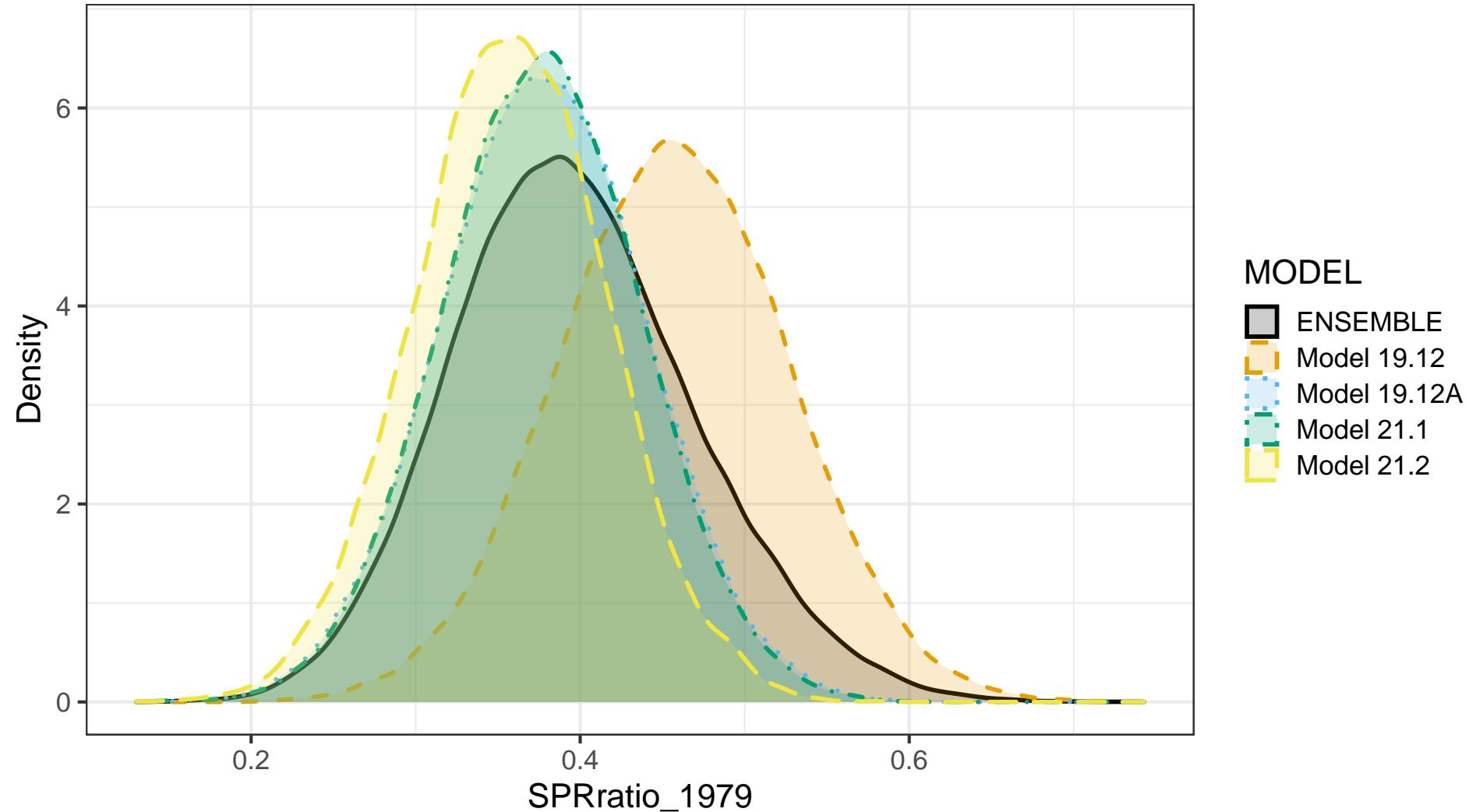
# SPRratio\_1977



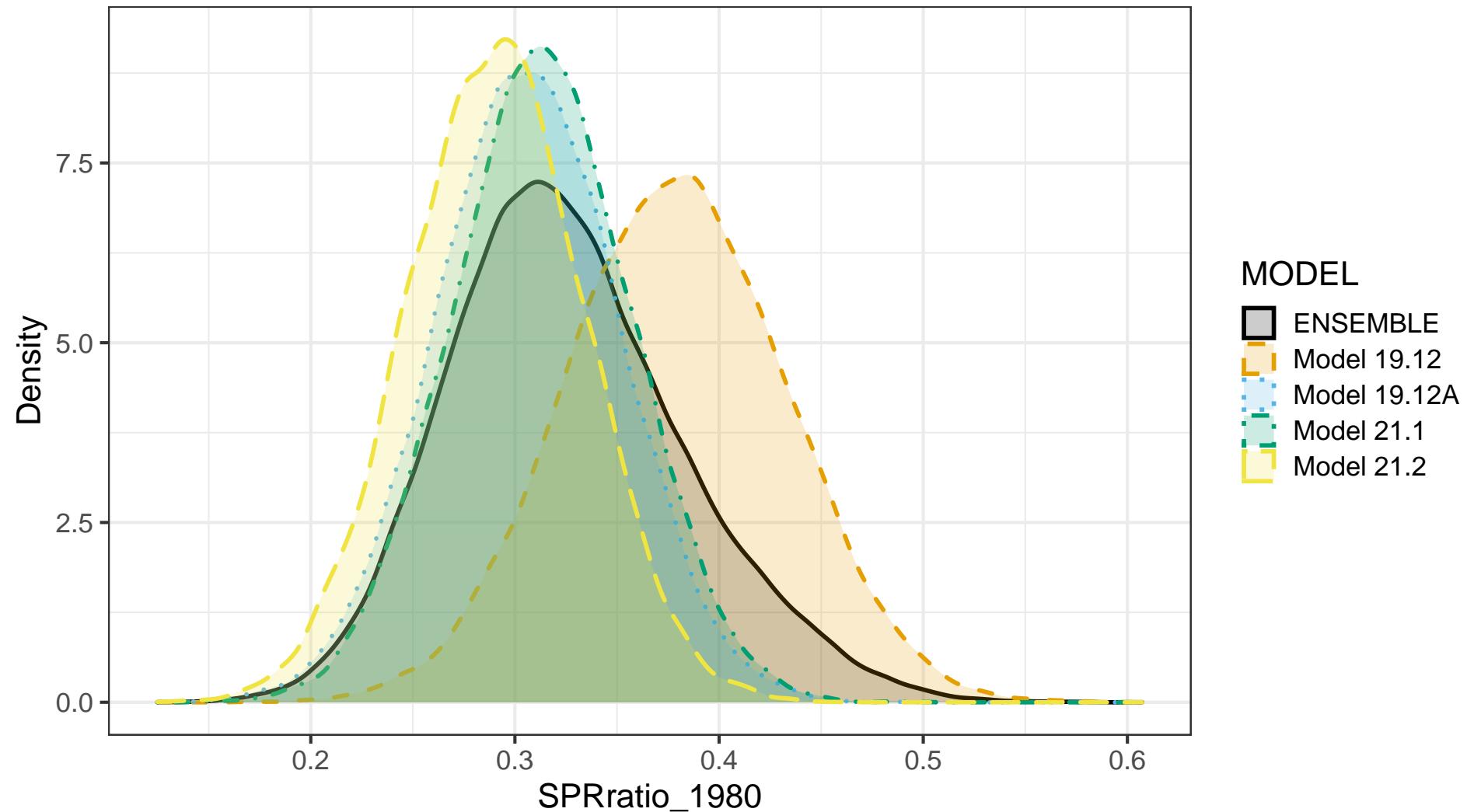
# SPRratio\_1978



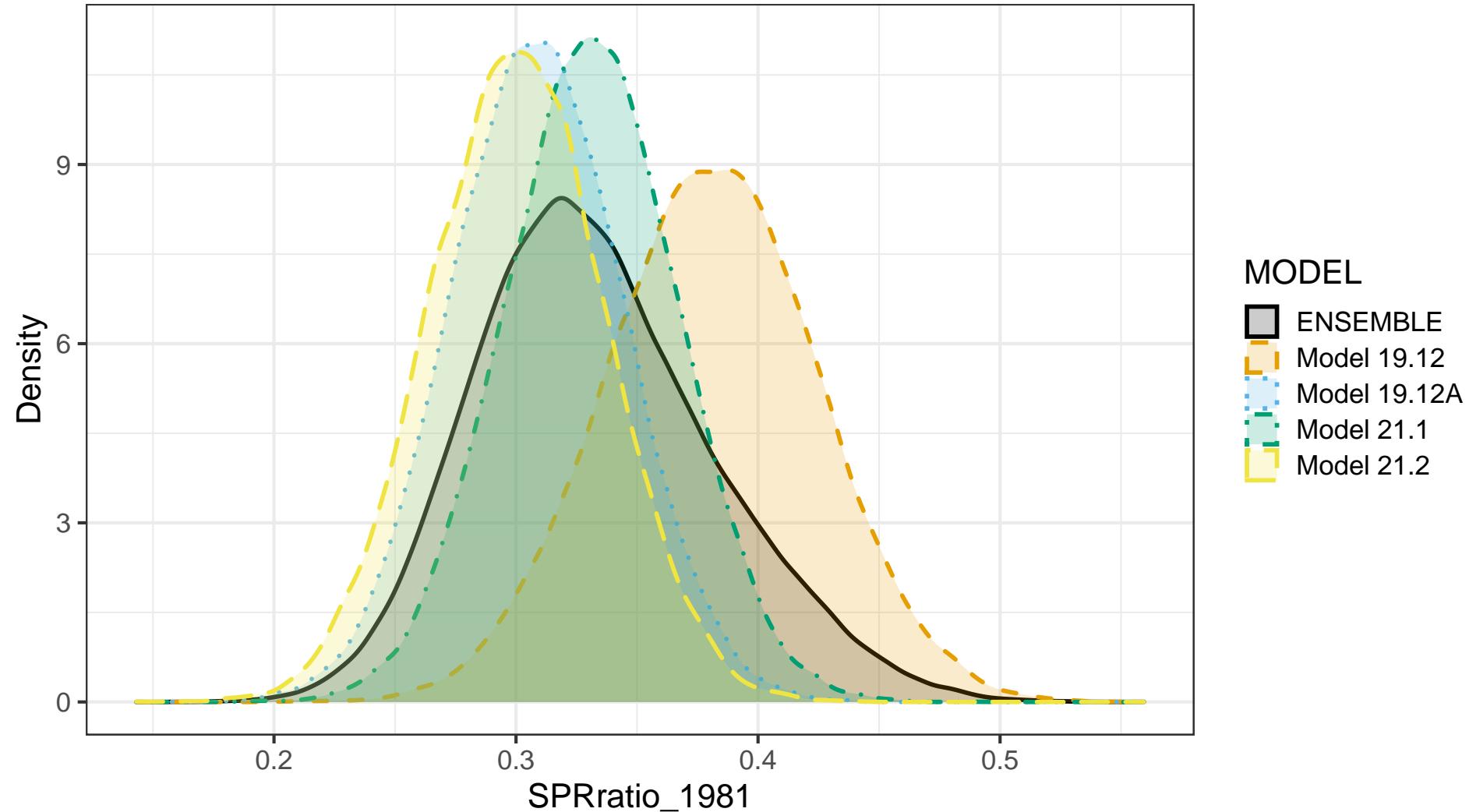
# SPRratio\_1979



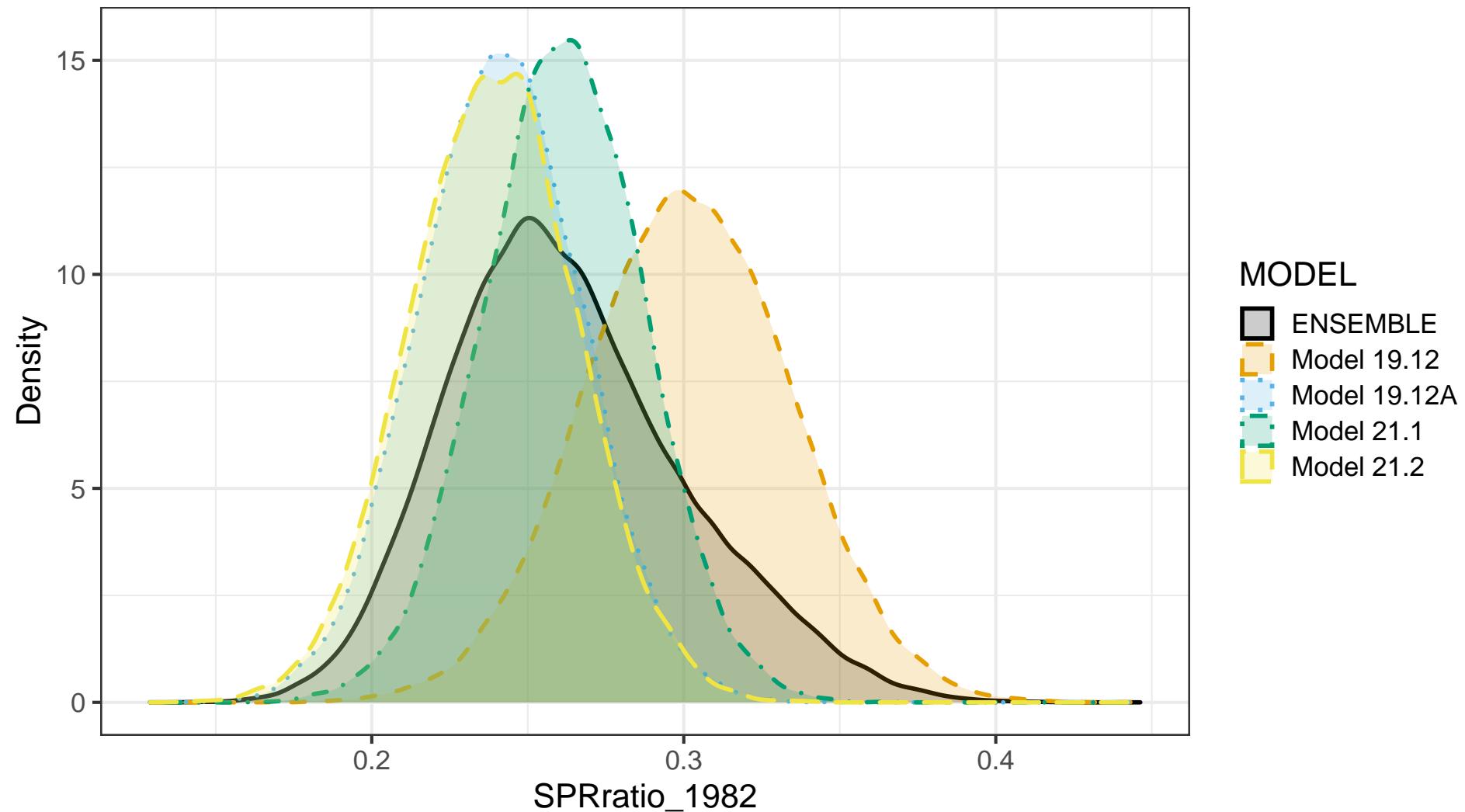
# SPRratio\_1980



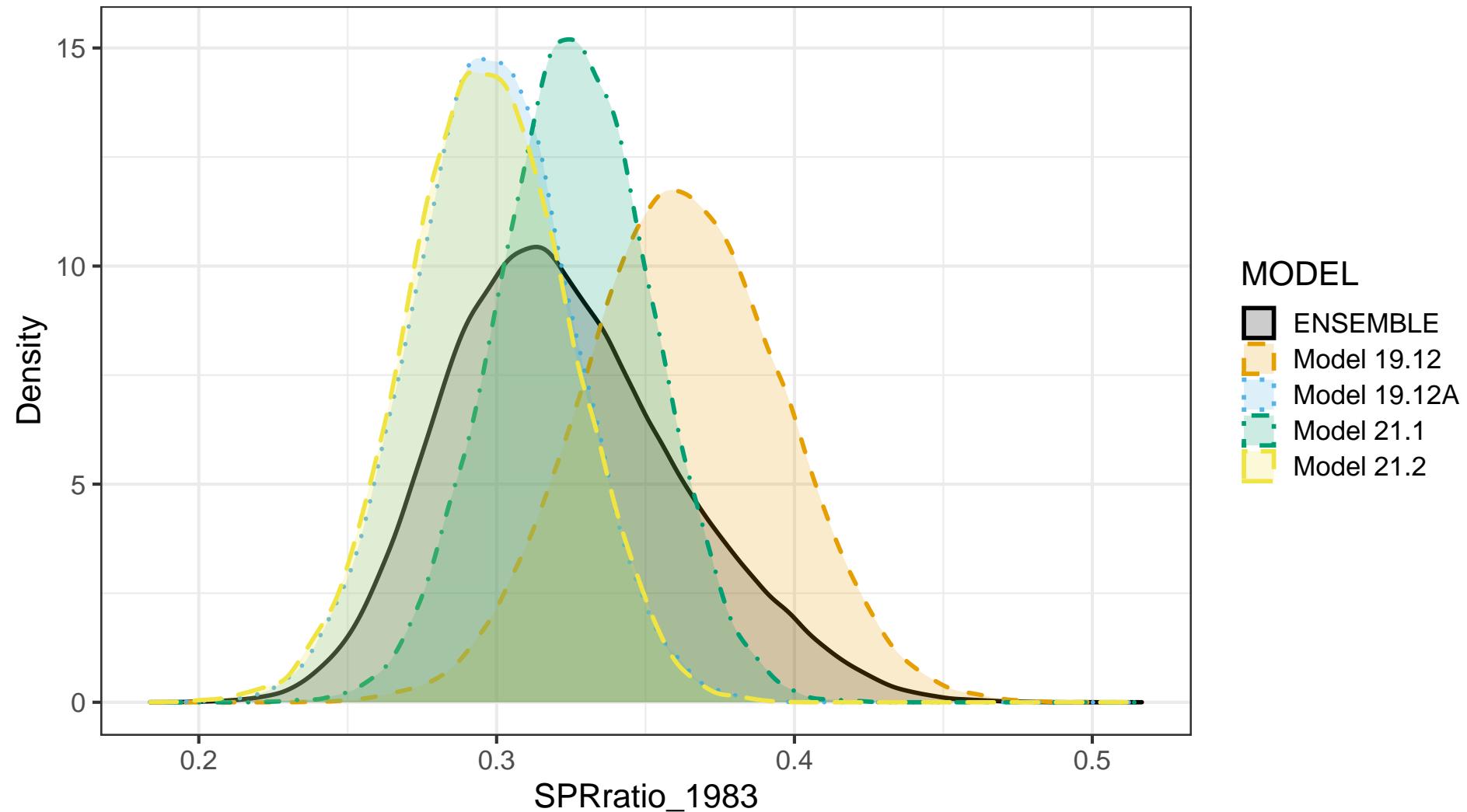
# SPRratio\_1981



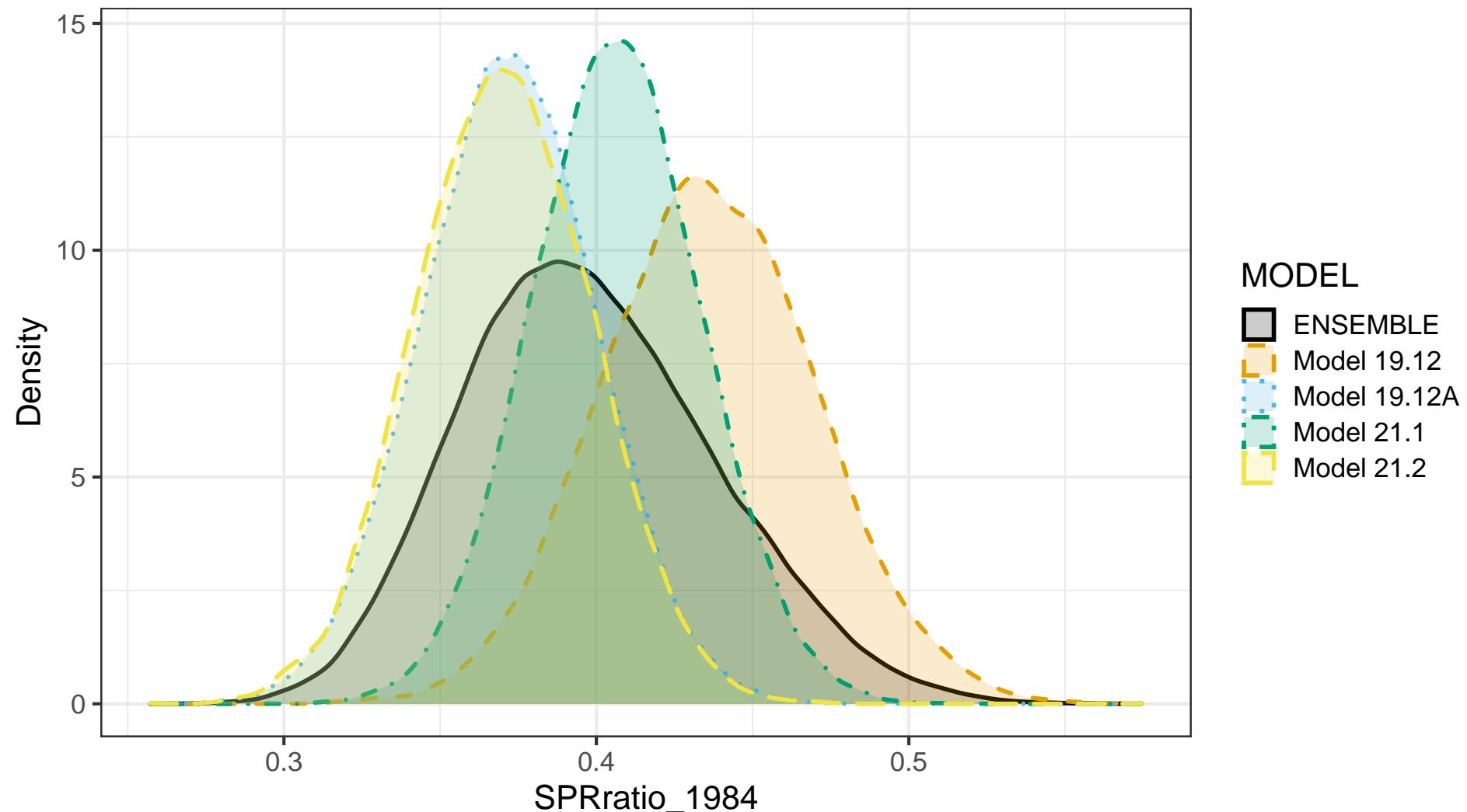
# SPRratio\_1982



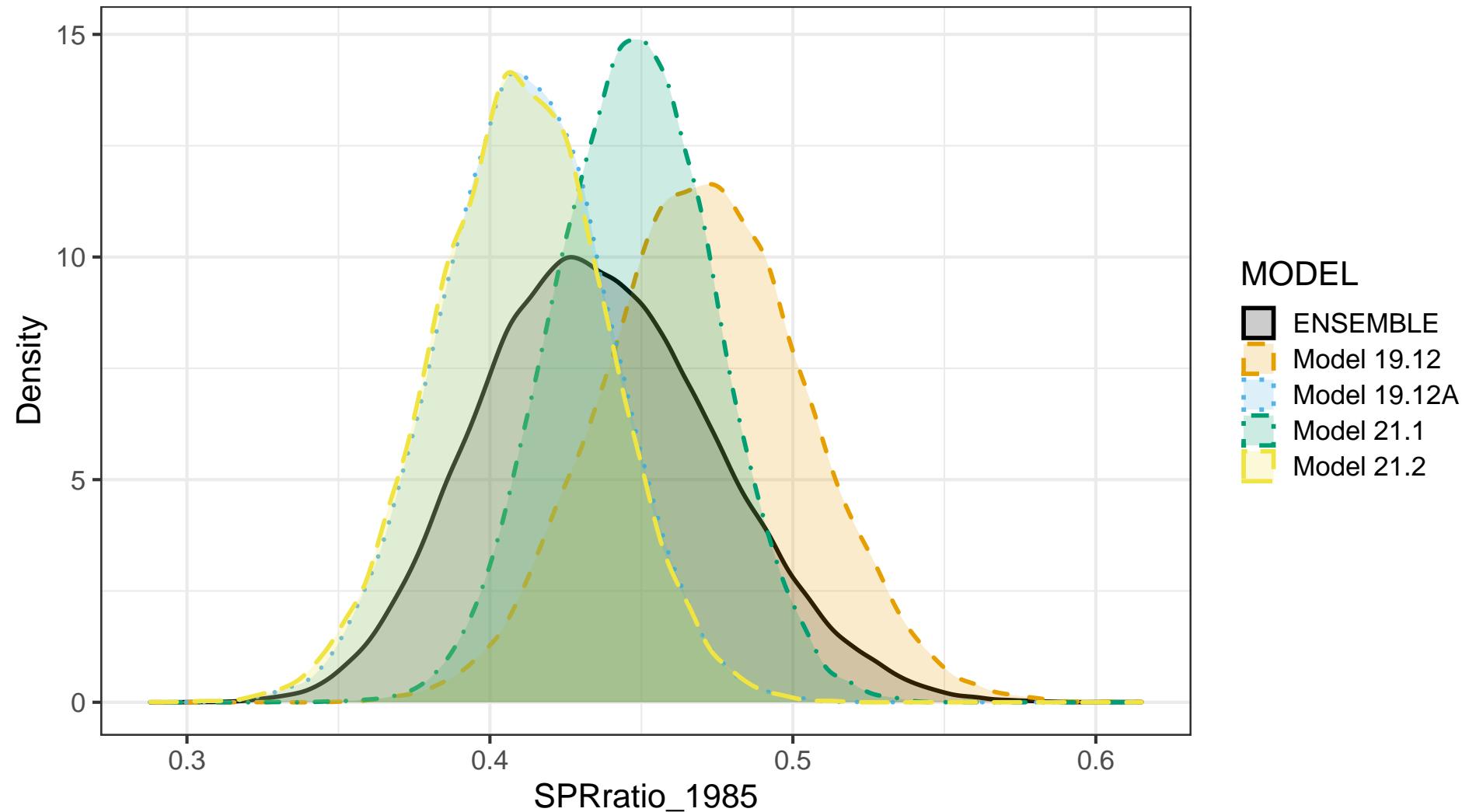
# SPRratio\_1983



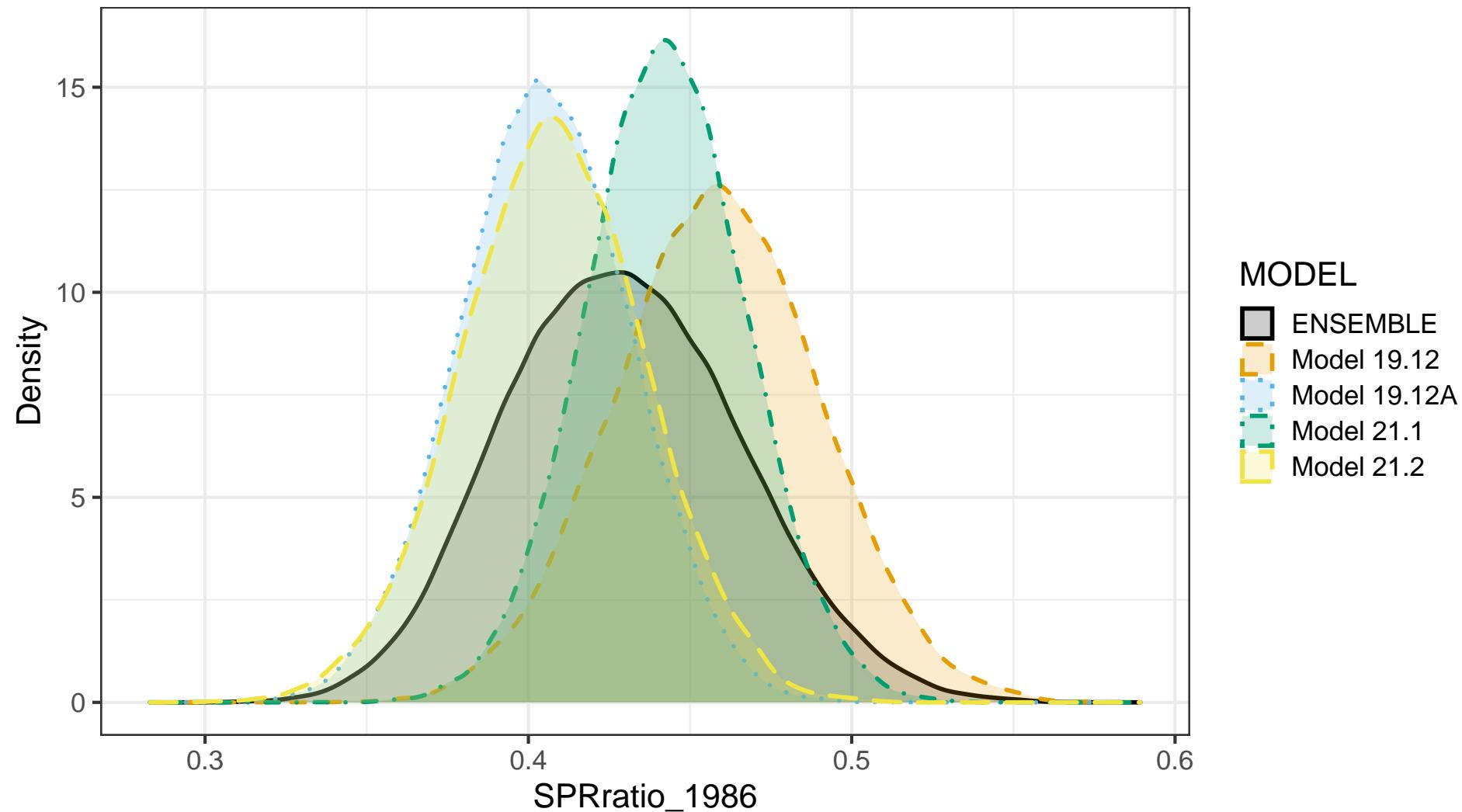
# SPRratio\_1984



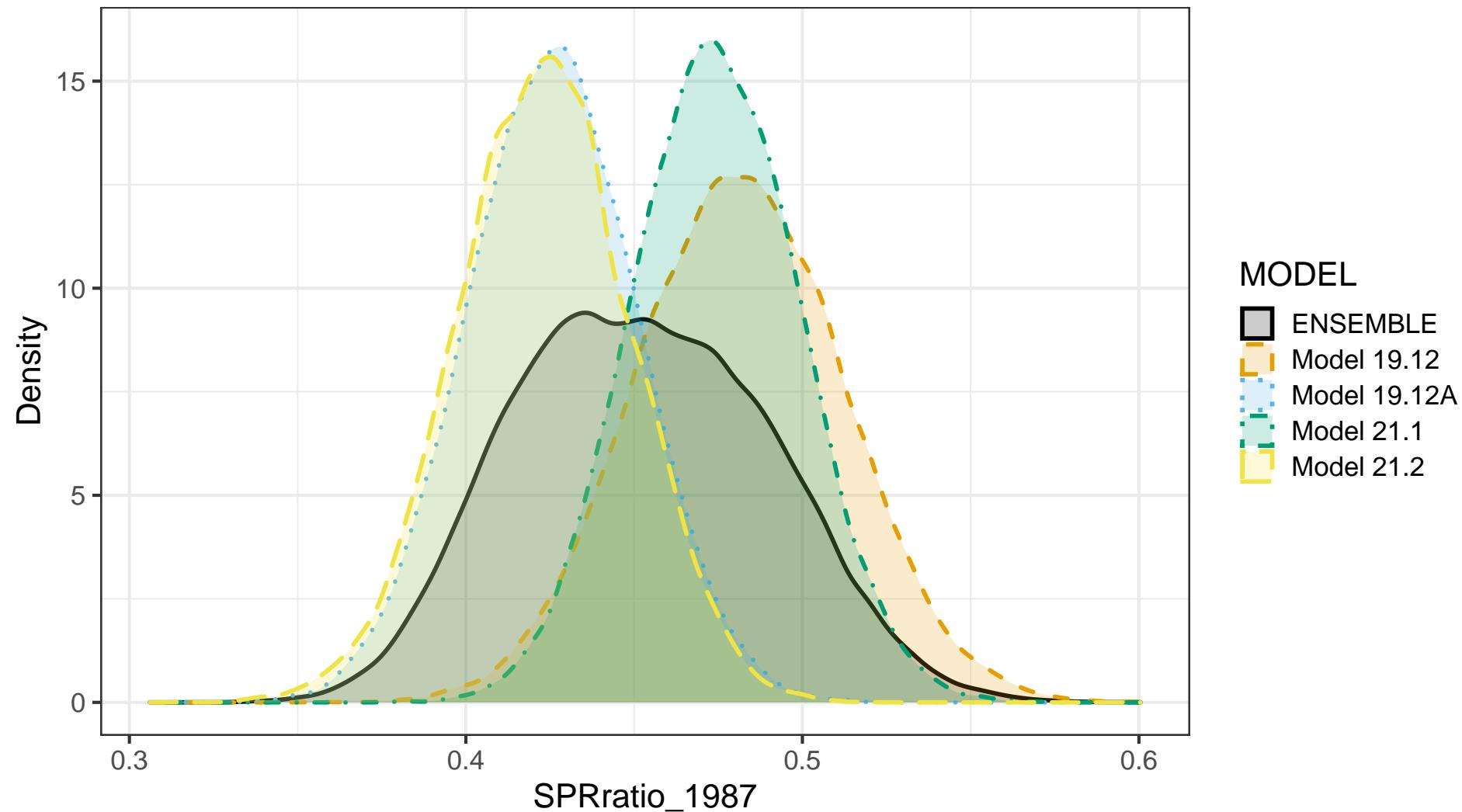
# SPRratio\_1985



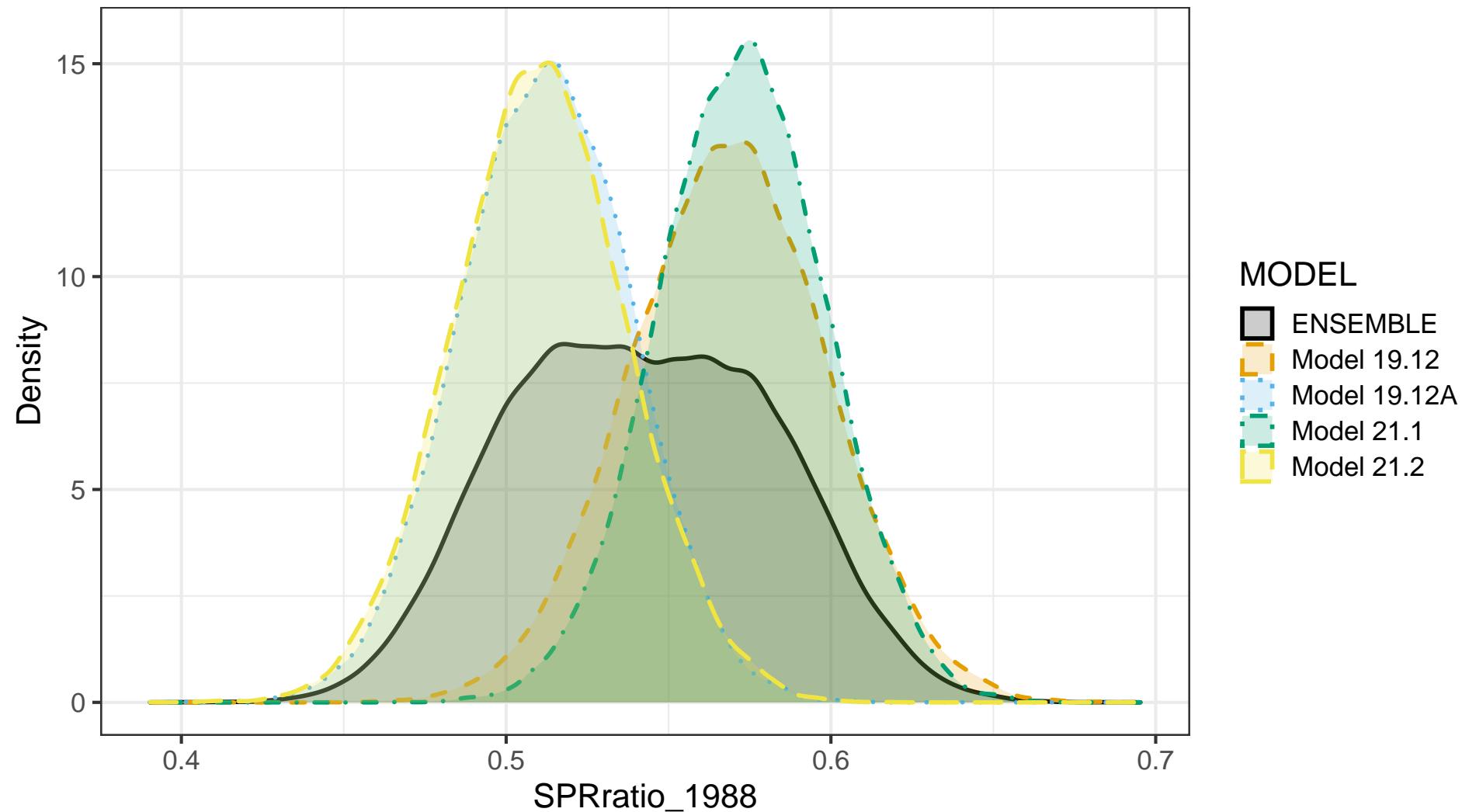
# SPRratio\_1986



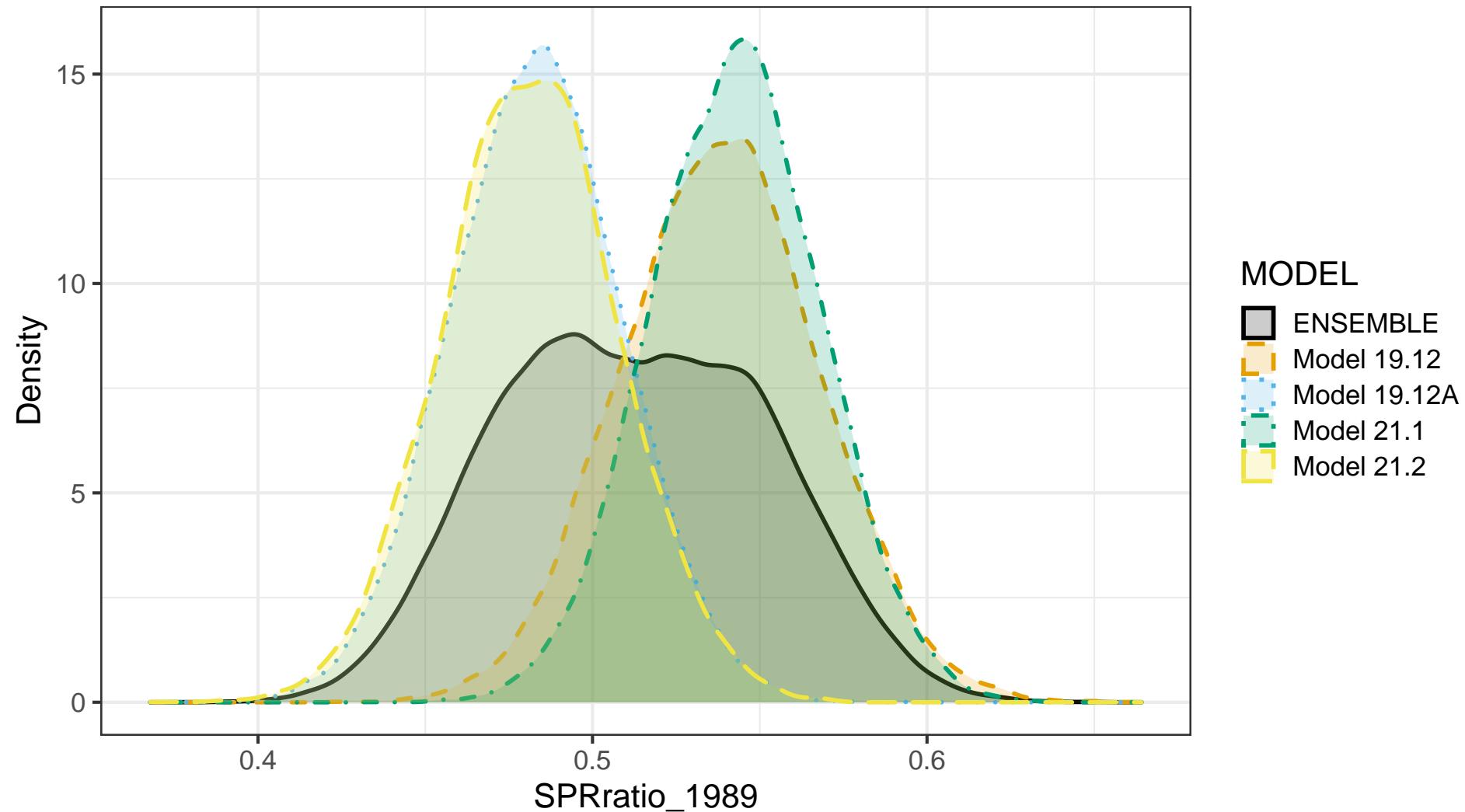
# SPRratio\_1987



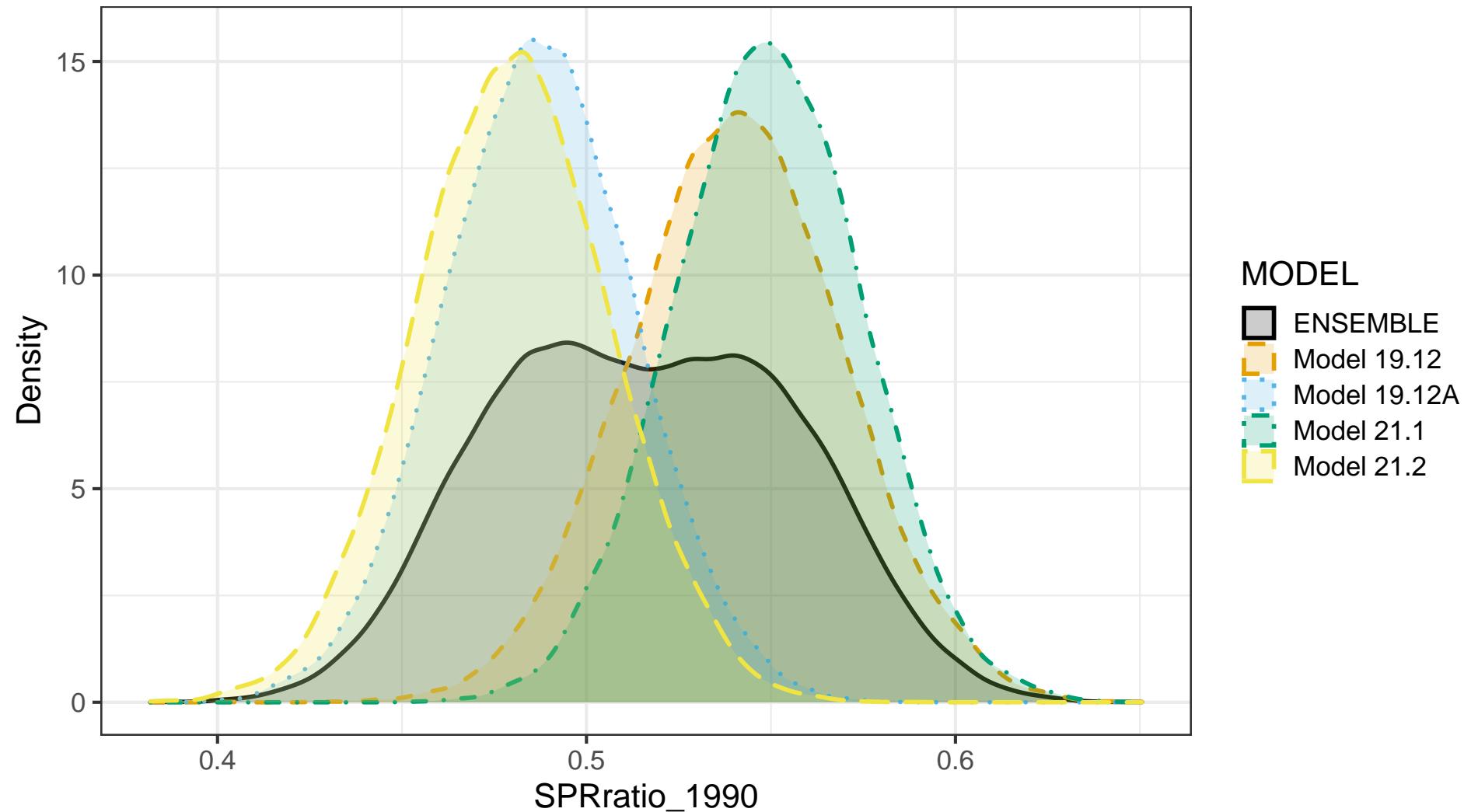
# SPRratio\_1988



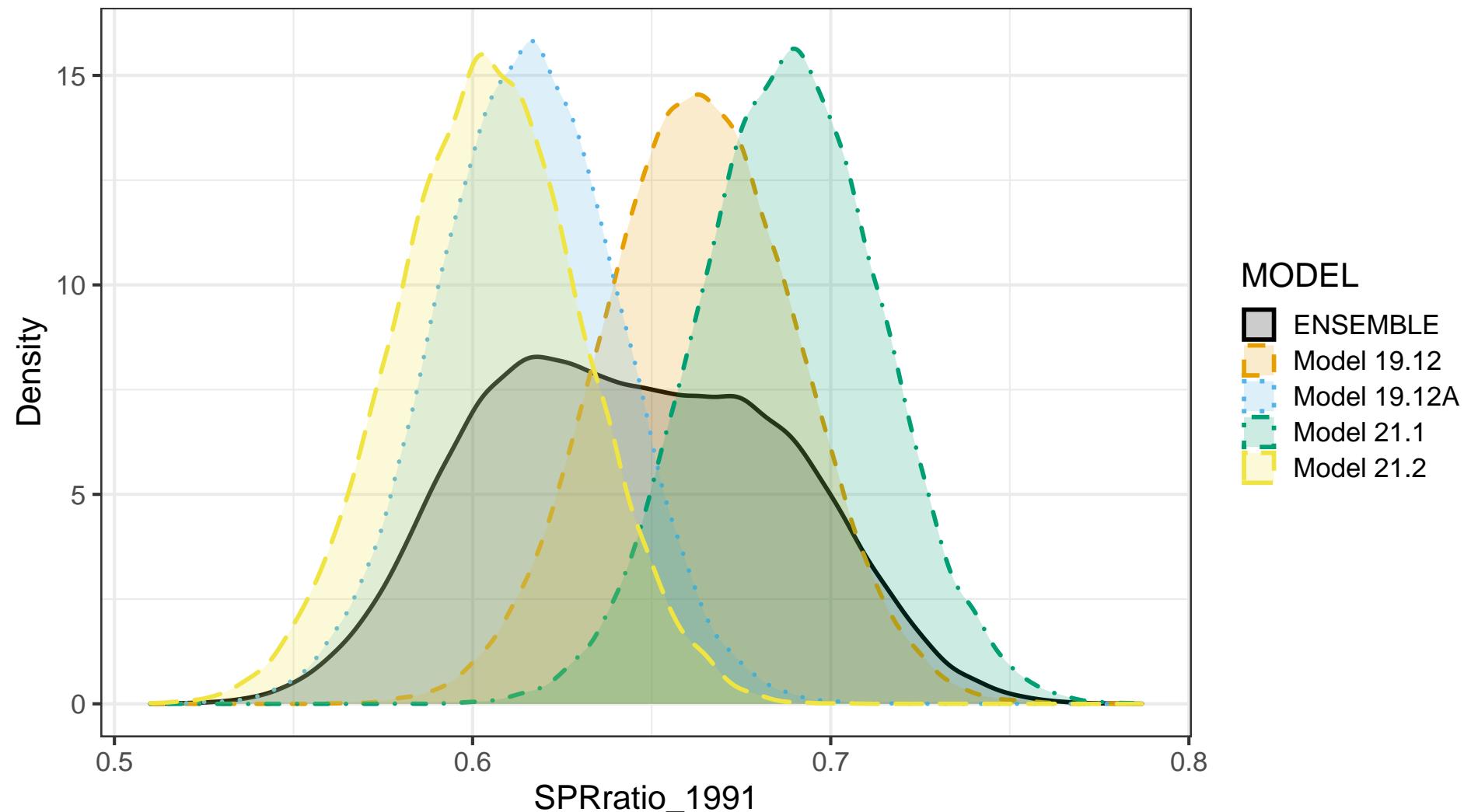
# SPRratio\_1989



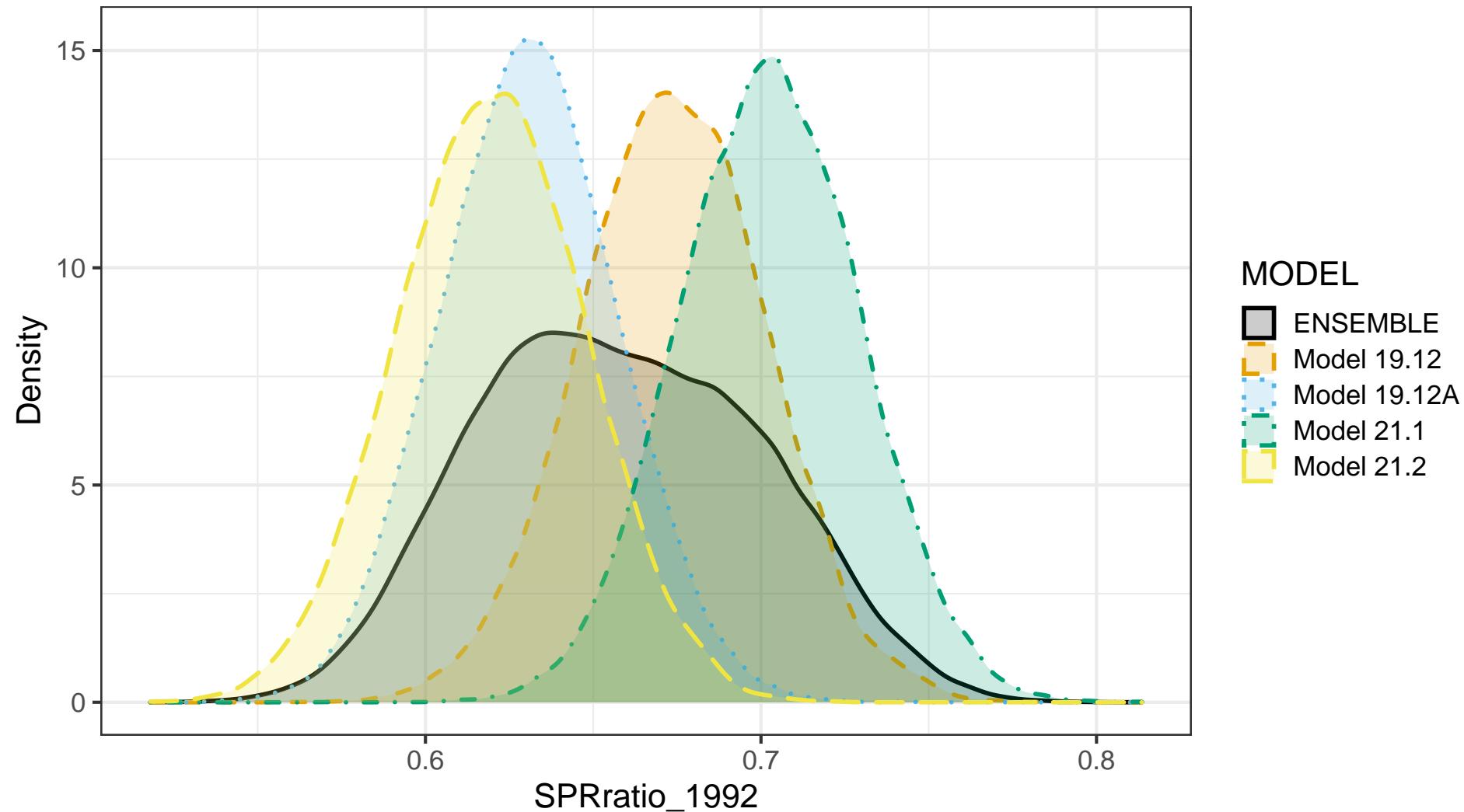
# SPRratio\_1990



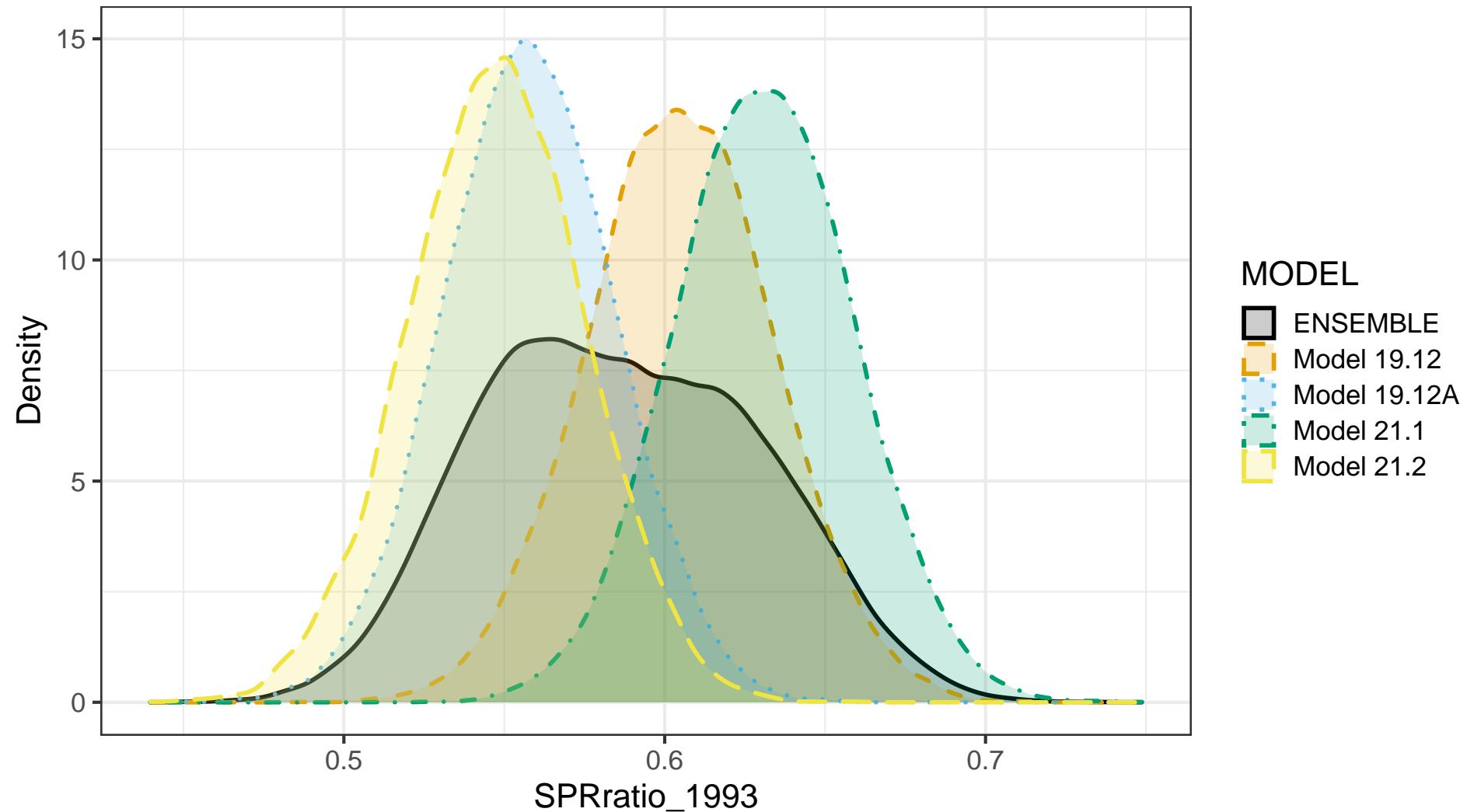
# SPRratio\_1991



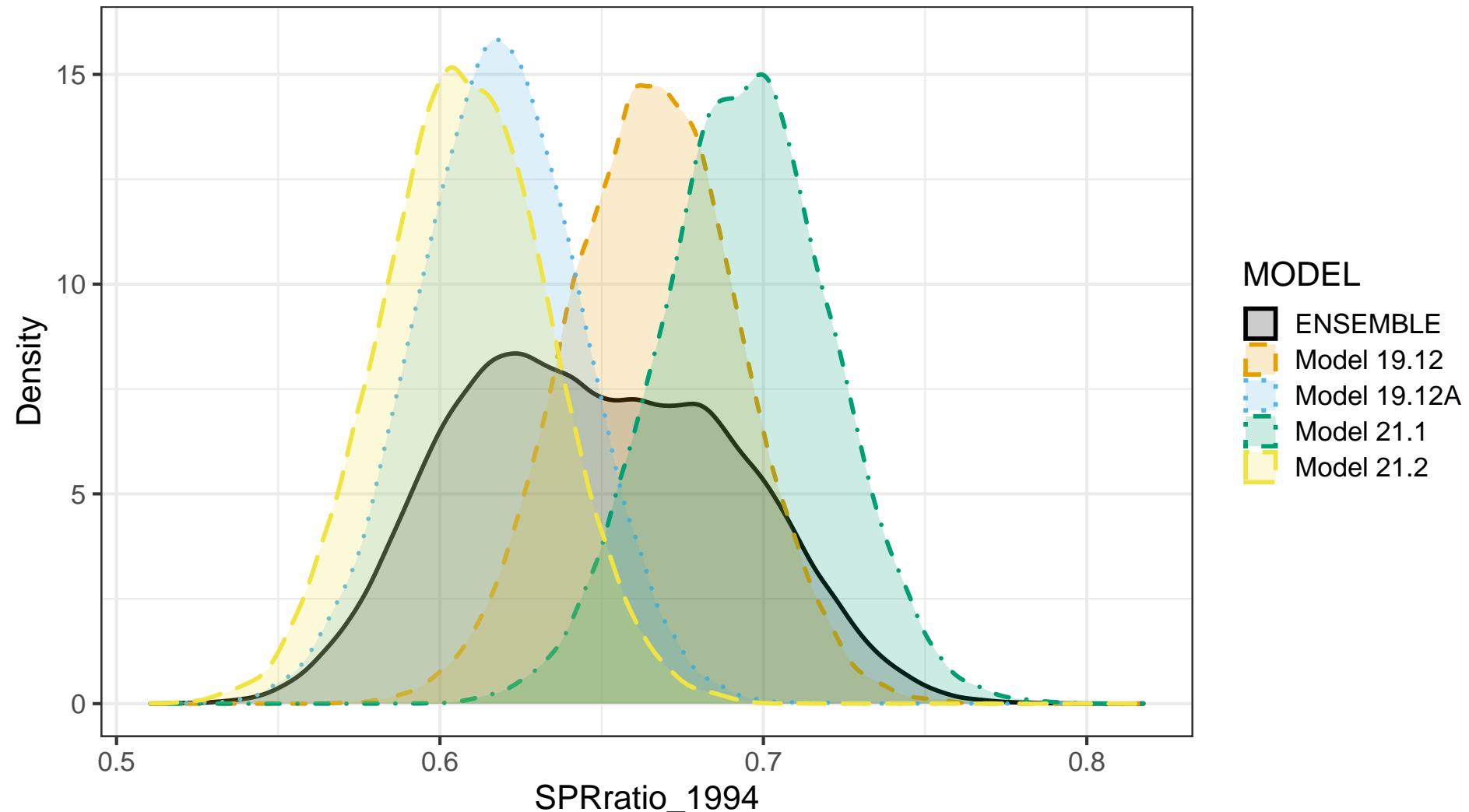
# SPRratio\_1992



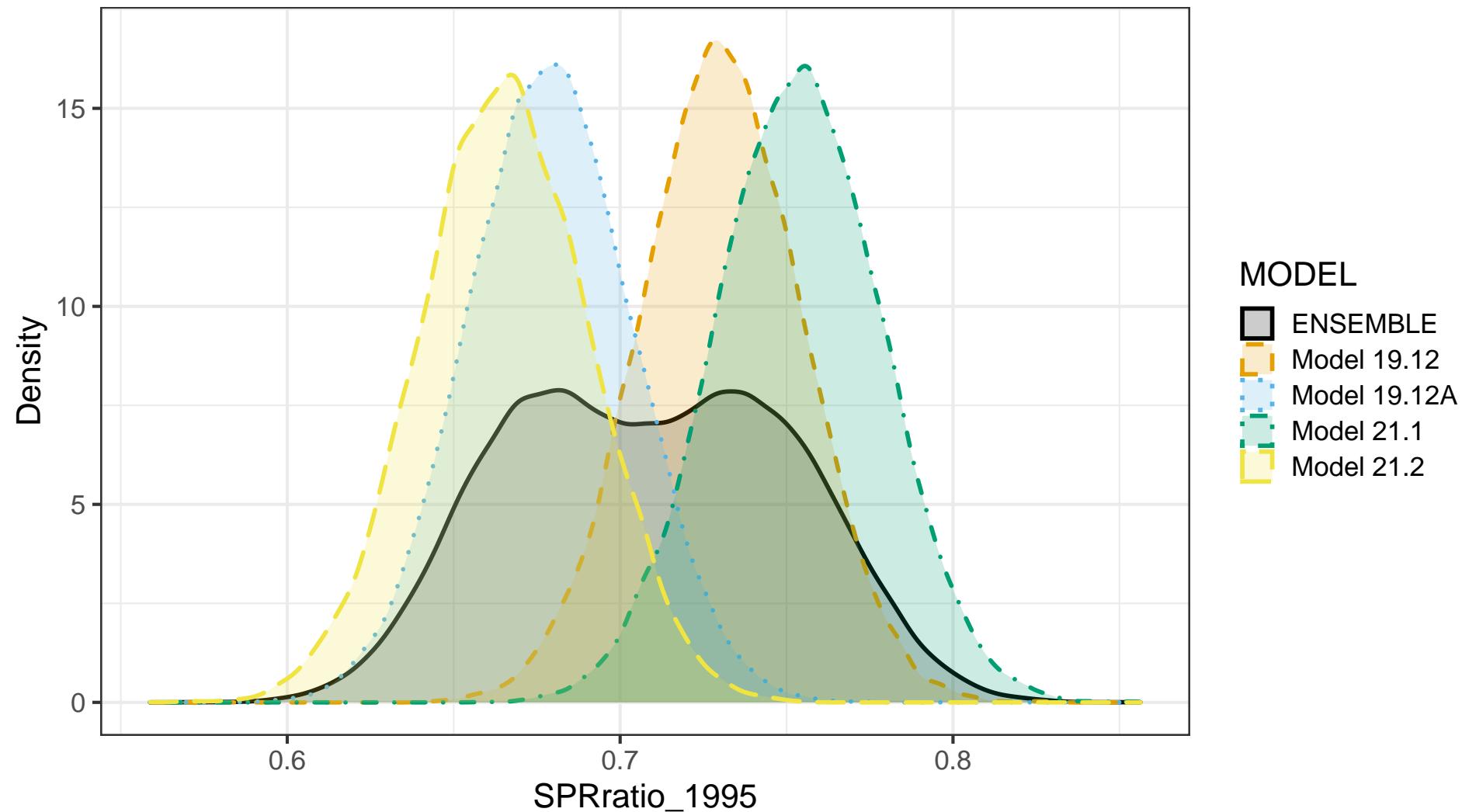
# SPRratio\_1993



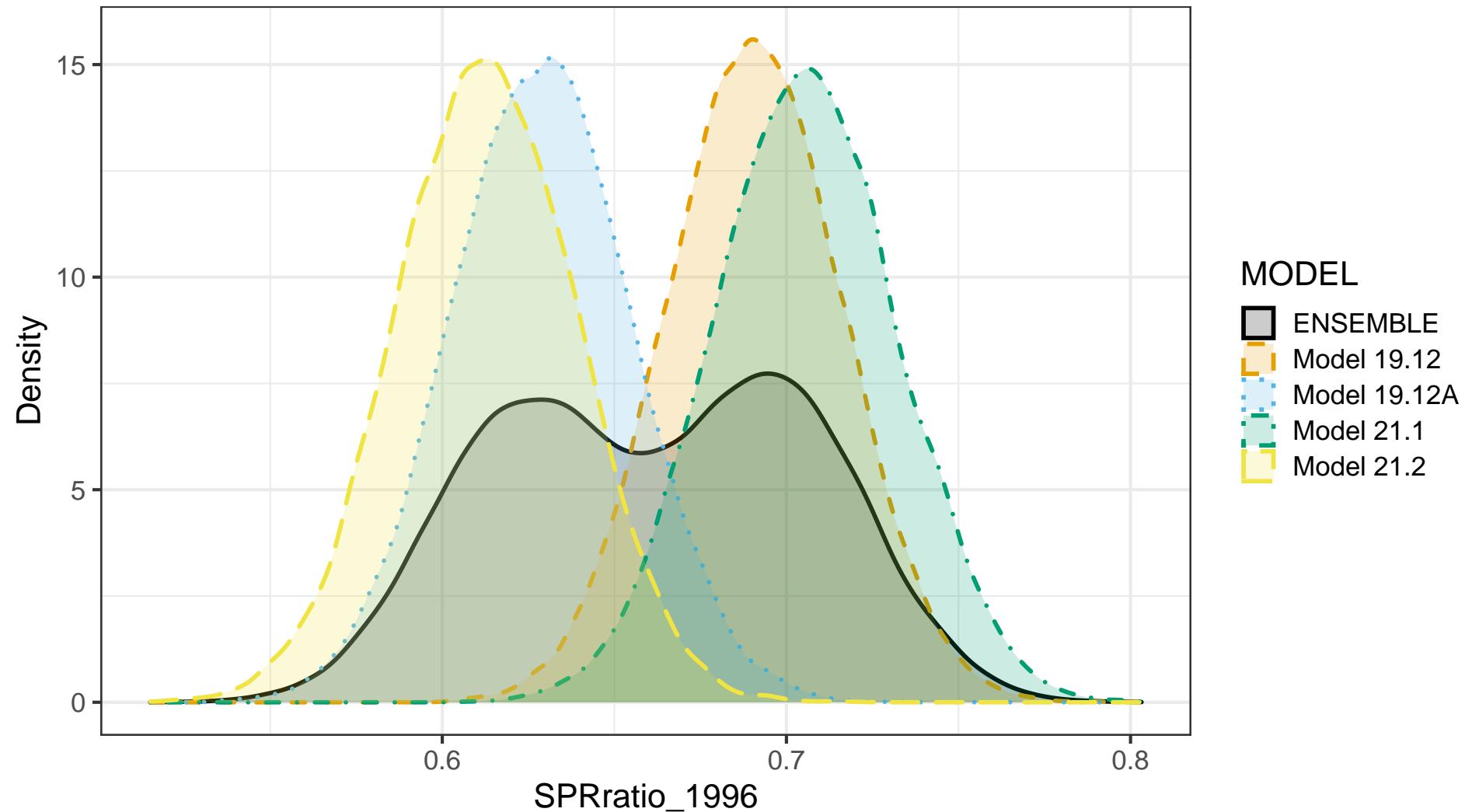
# SPRratio\_1994



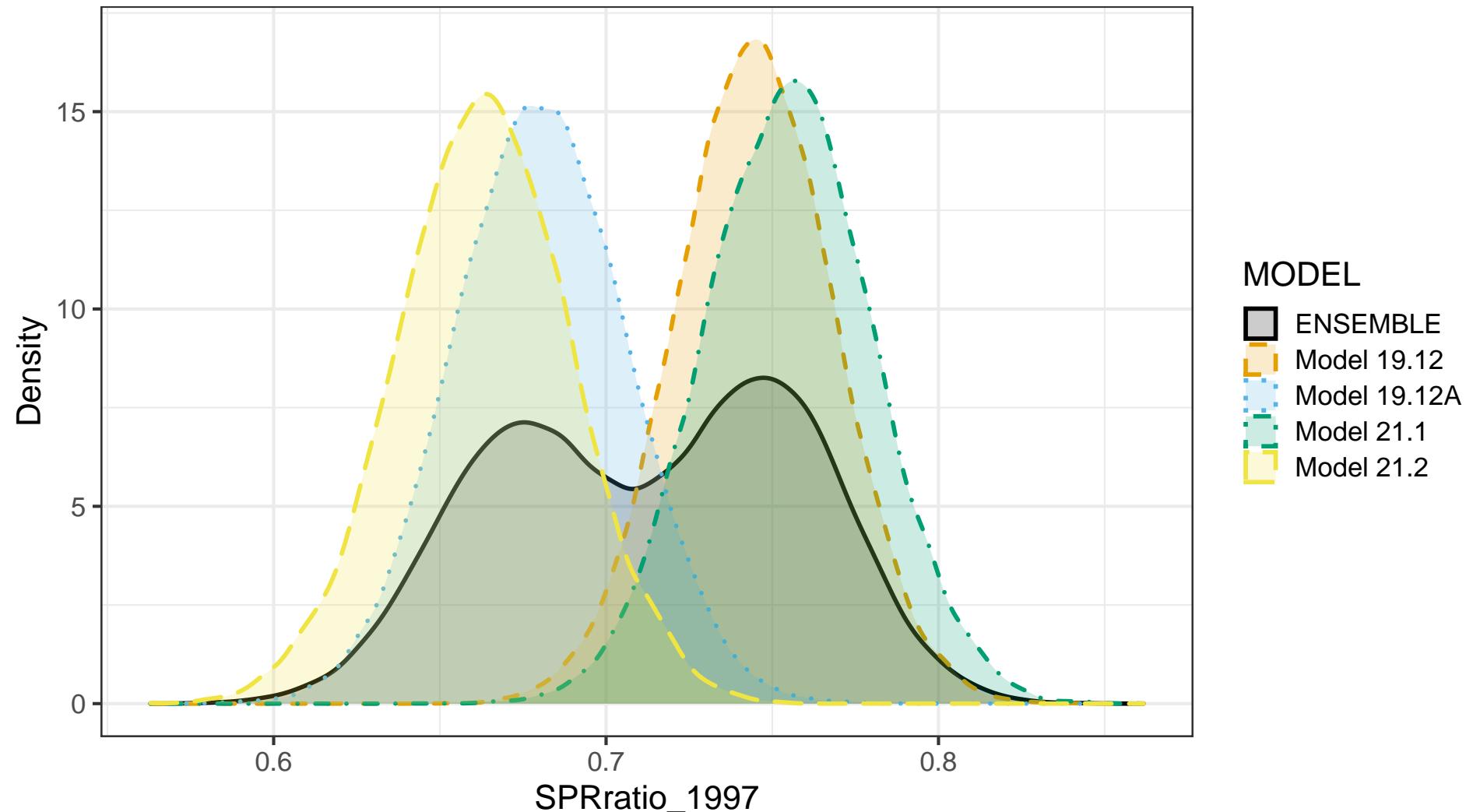
# SPRratio\_1995



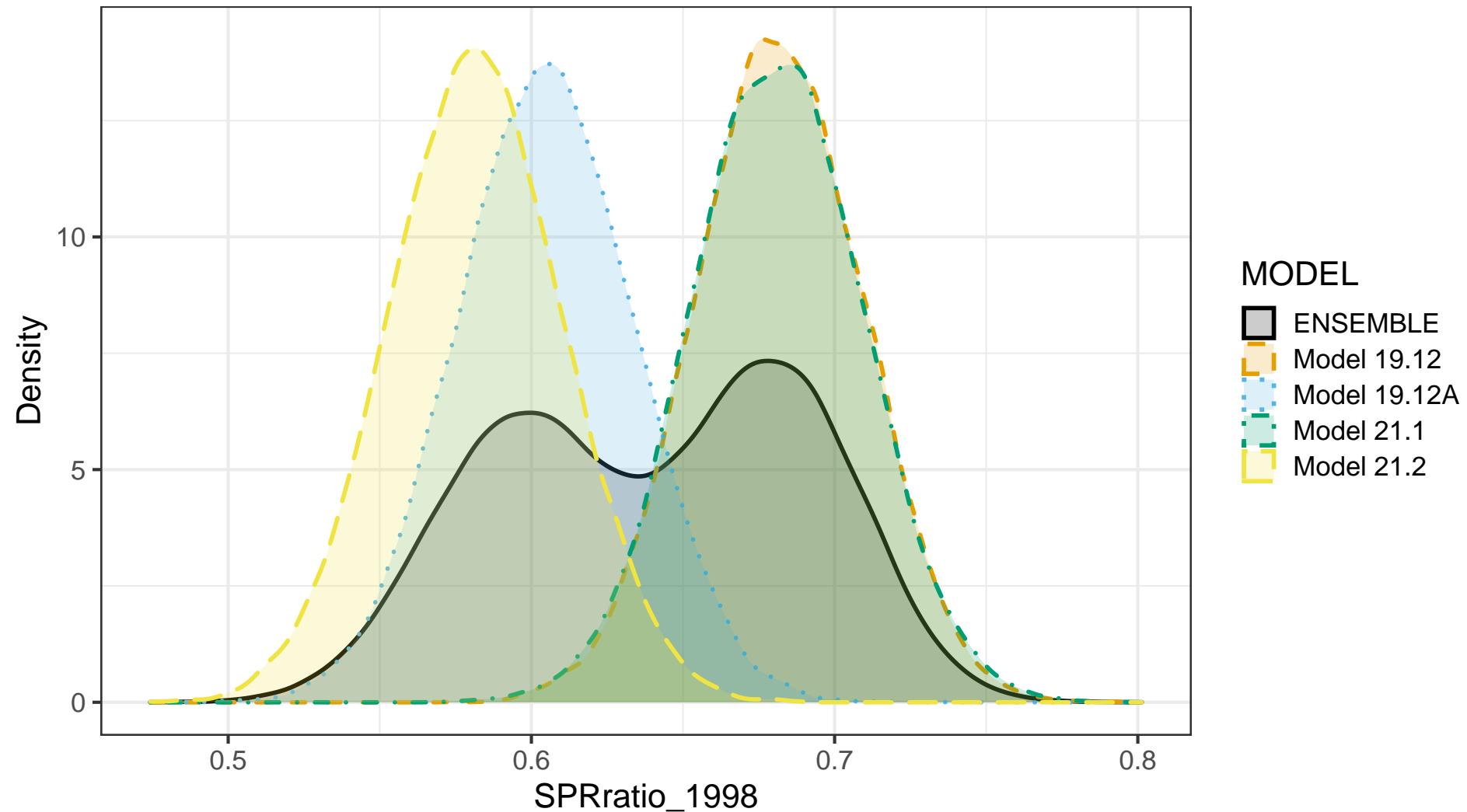
# SPRratio\_1996



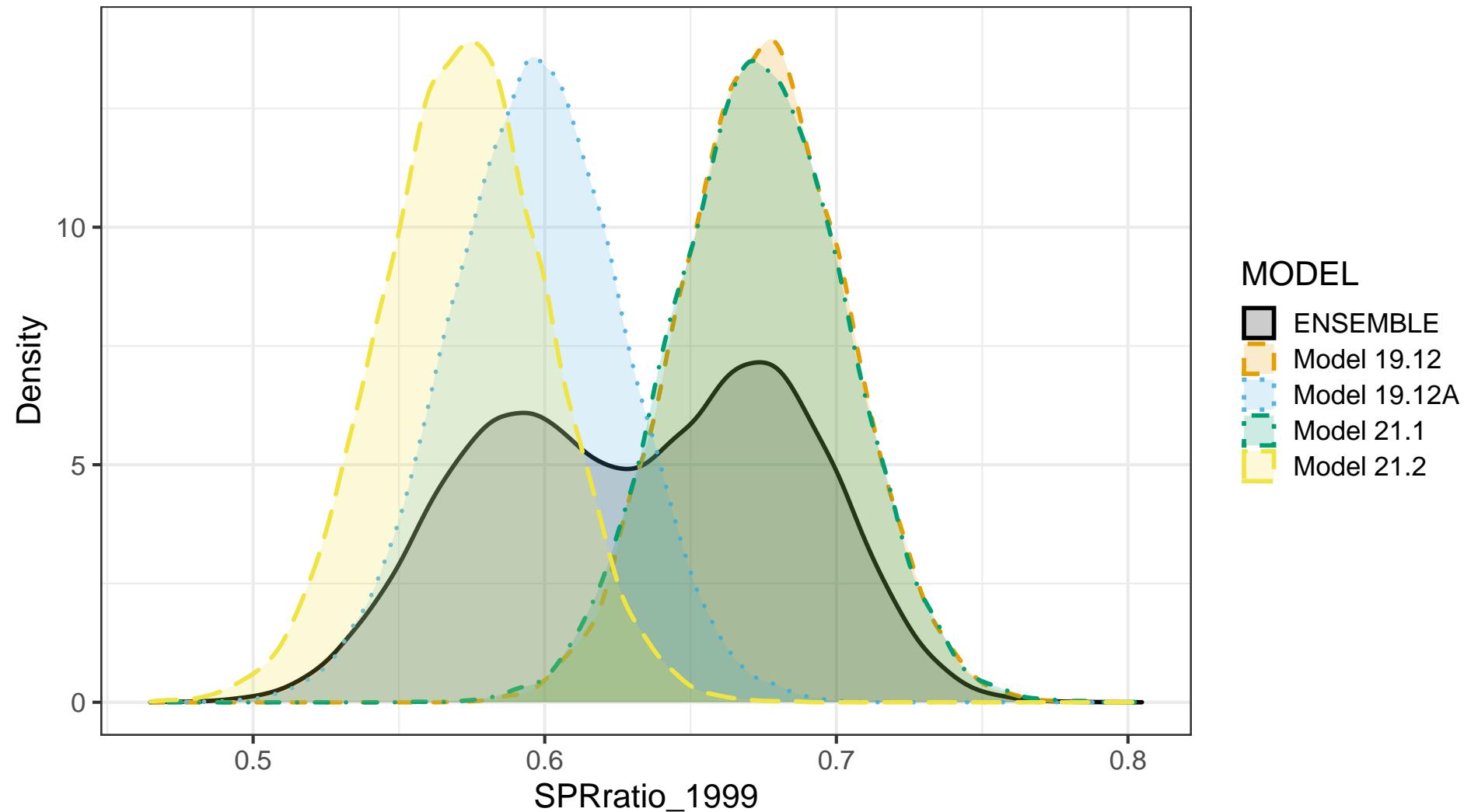
# SPRratio\_1997



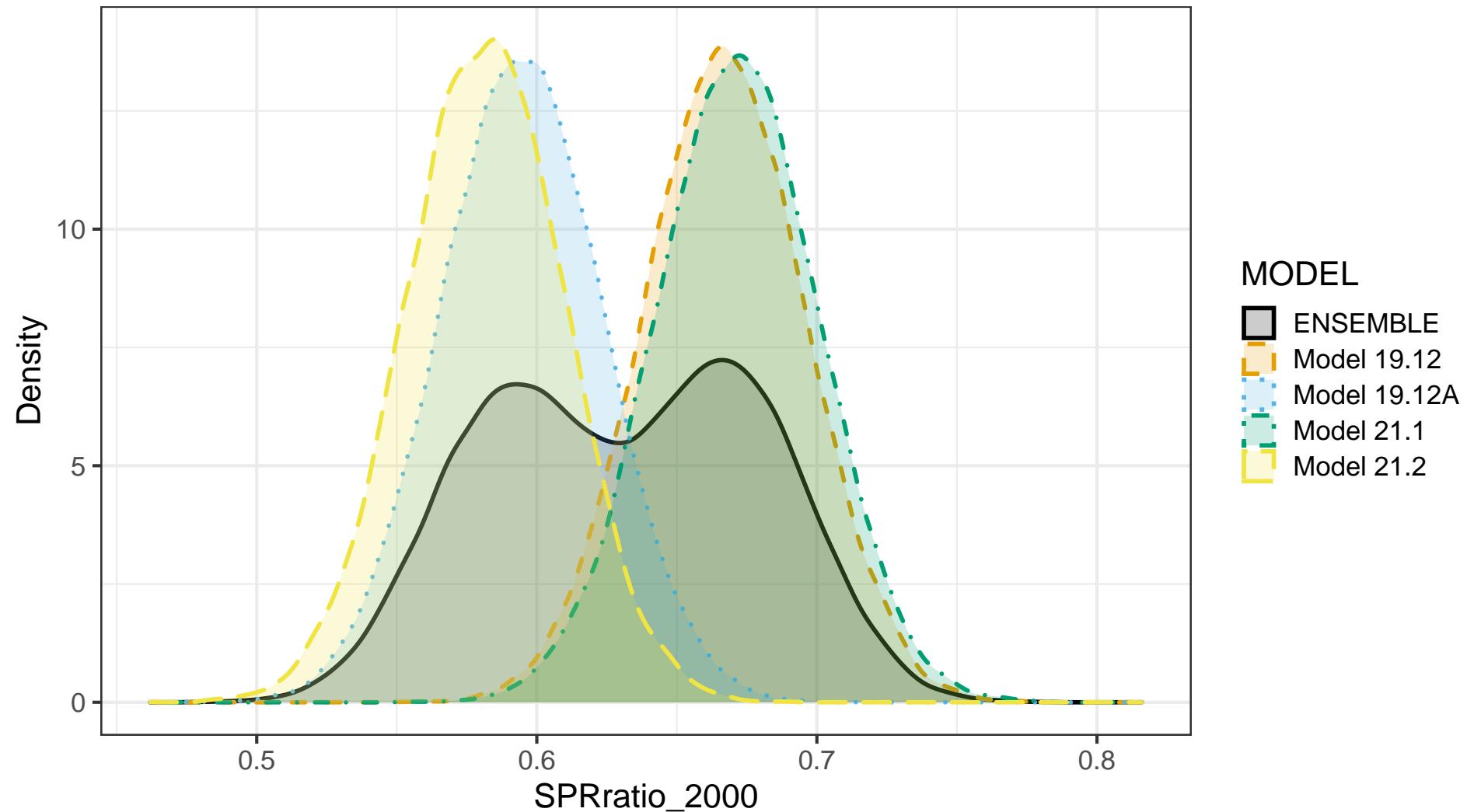
# SPRratio\_1998



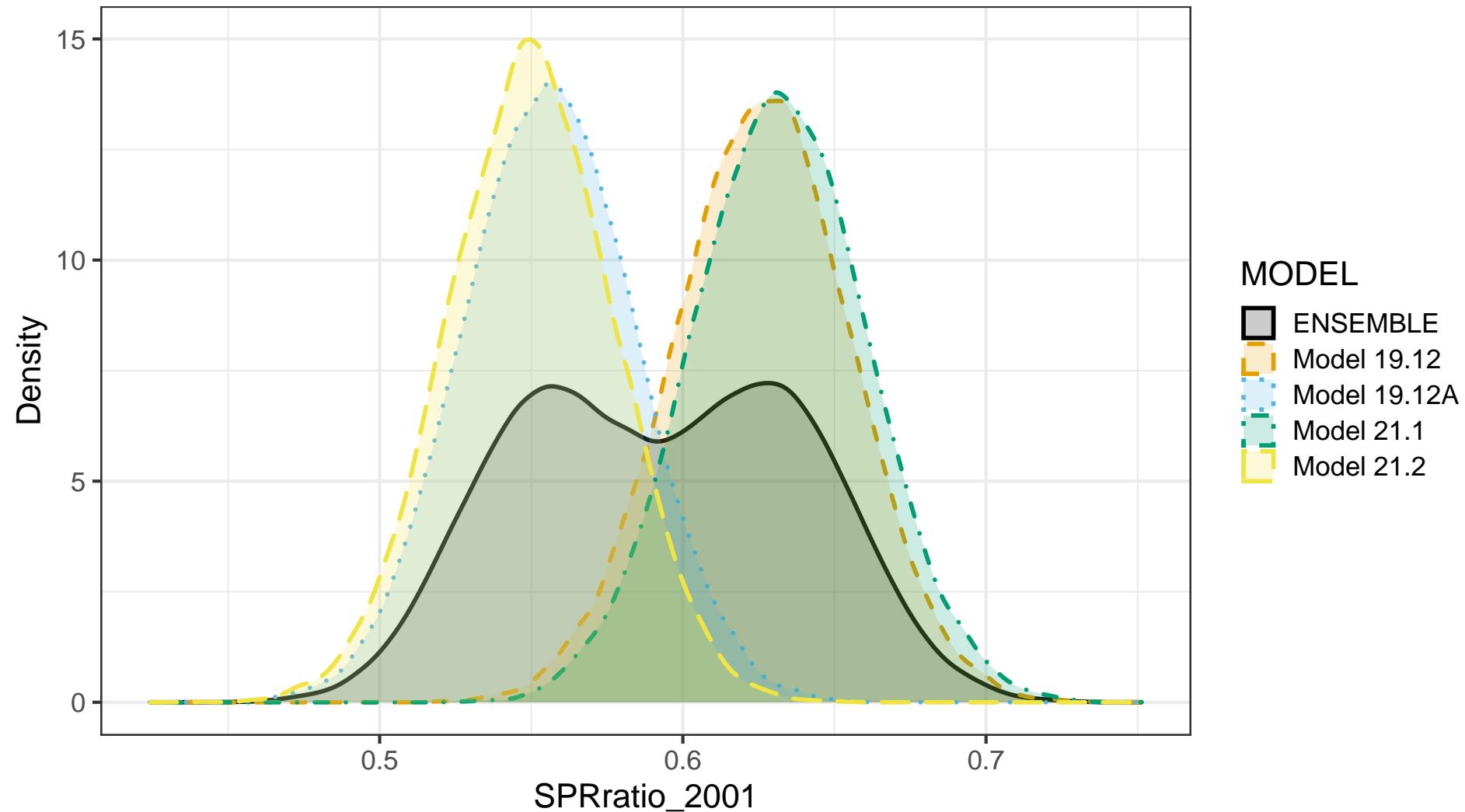
# SPRratio\_1999



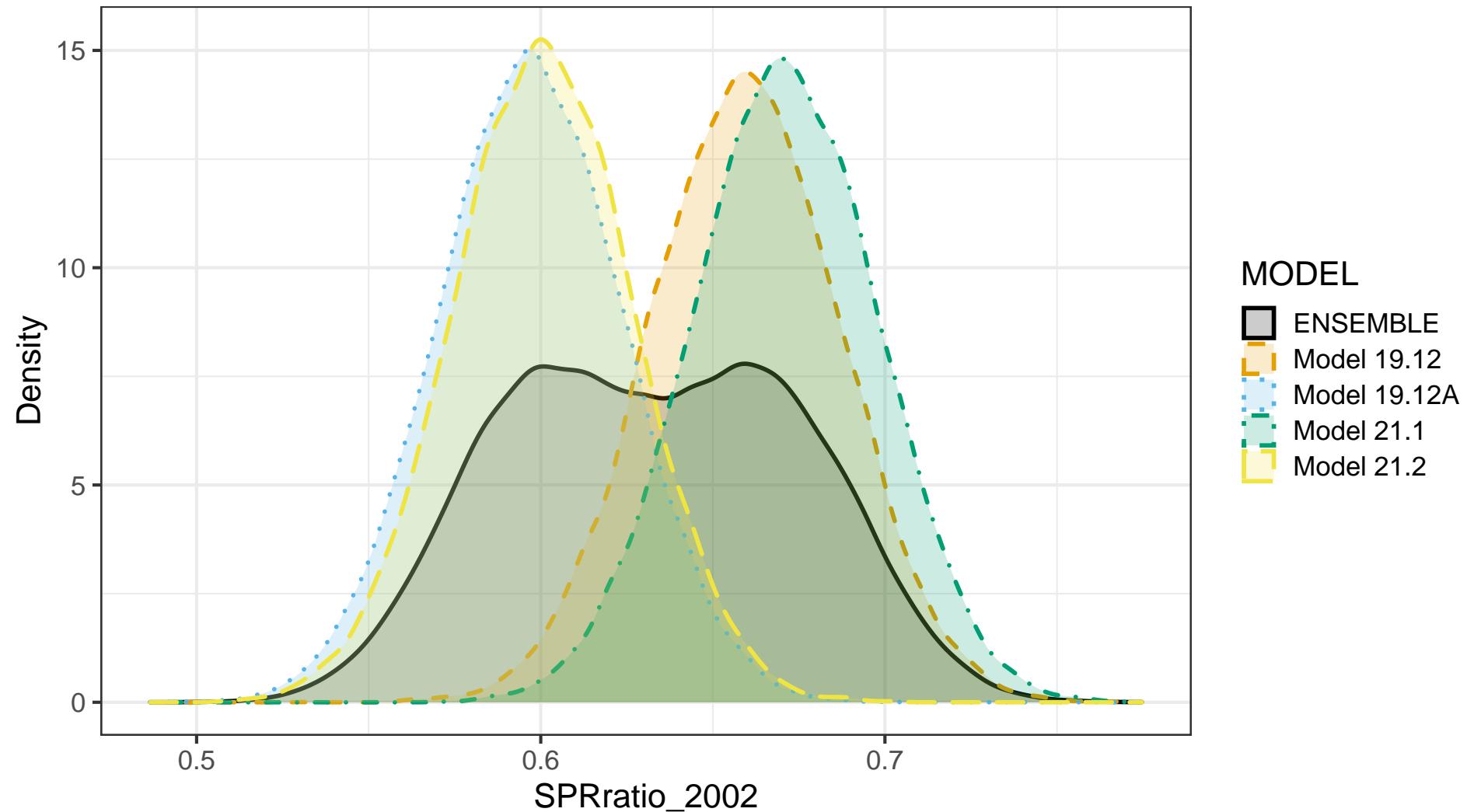
# SPRratio\_2000



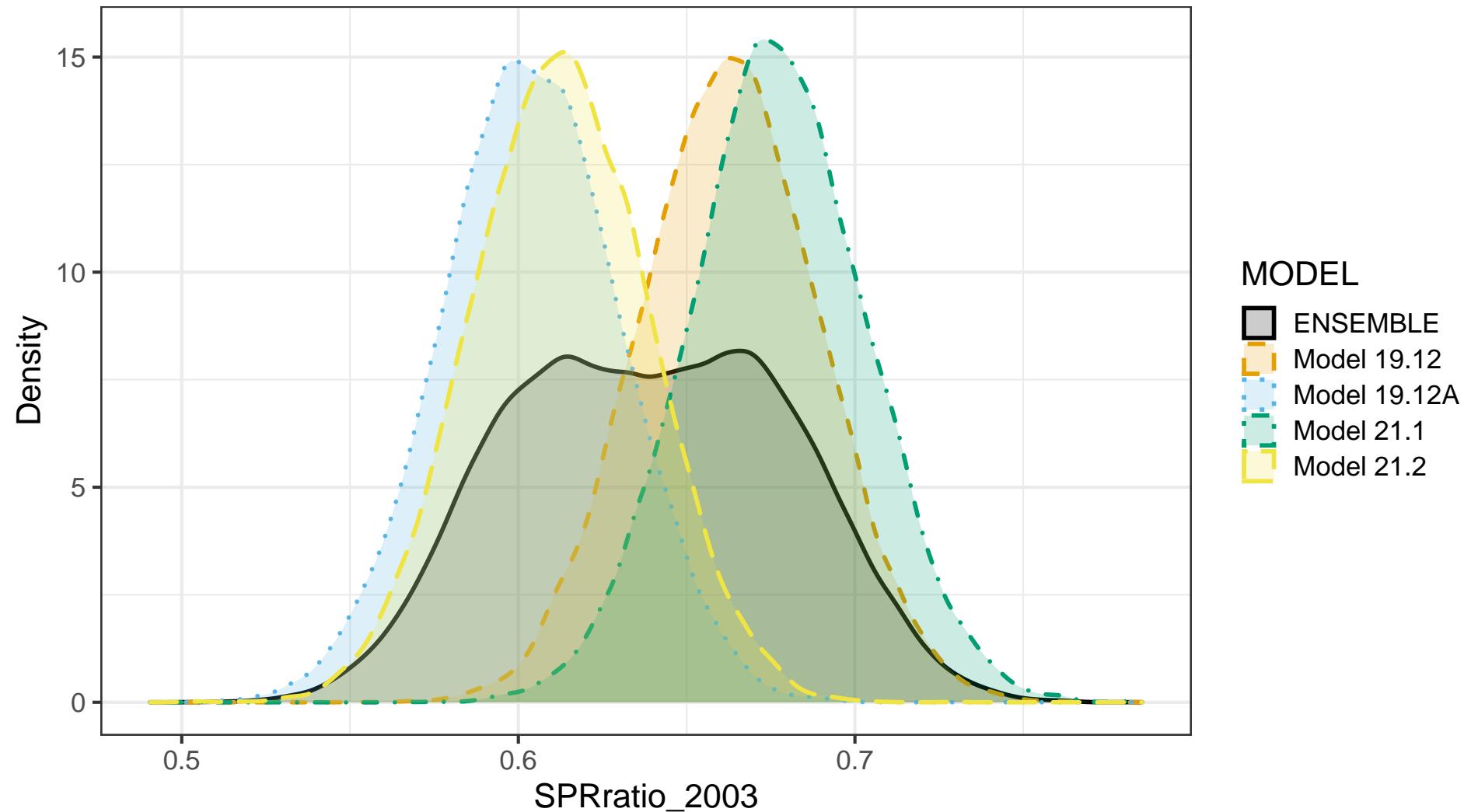
# SPRratio\_2001



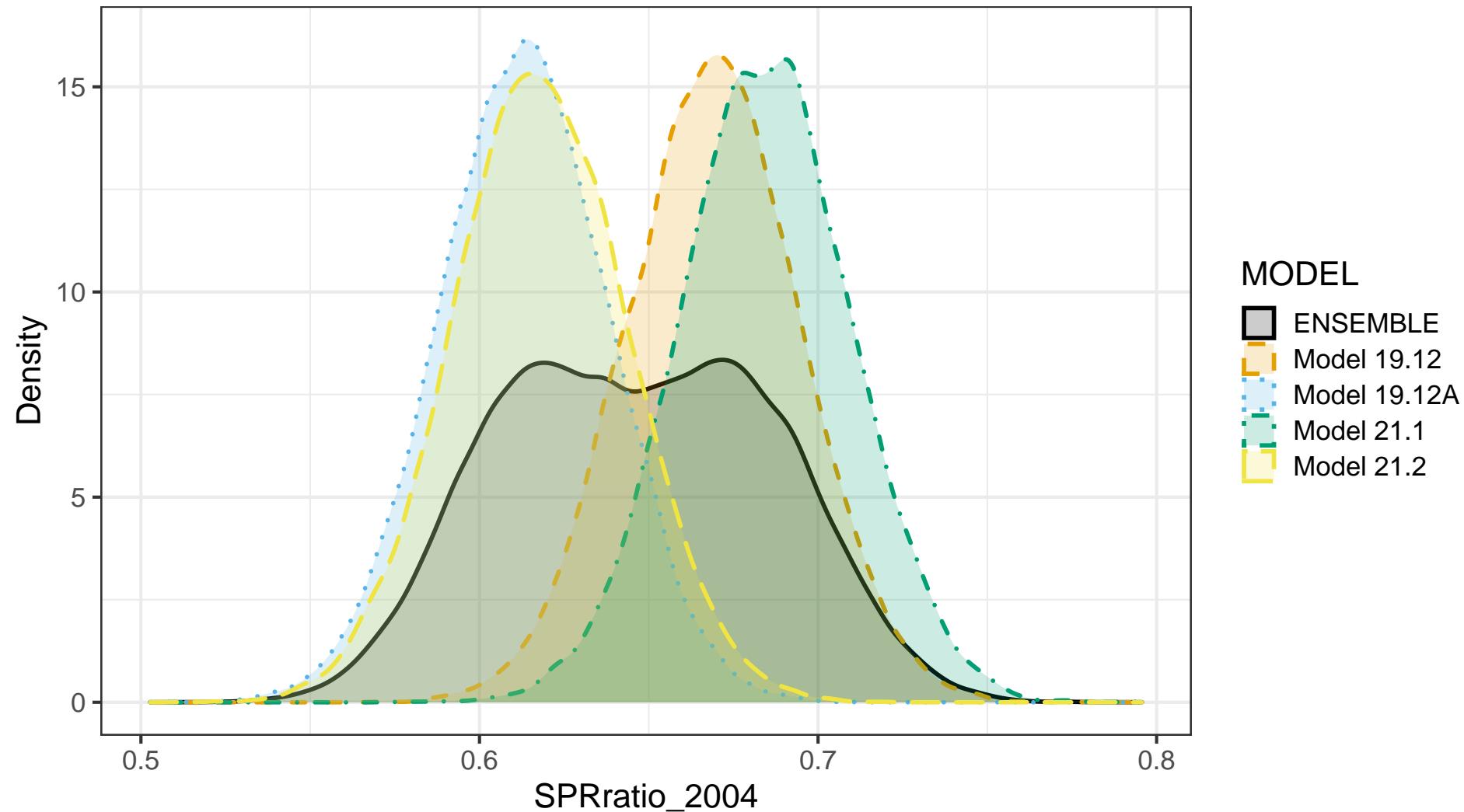
# SPRratio\_2002



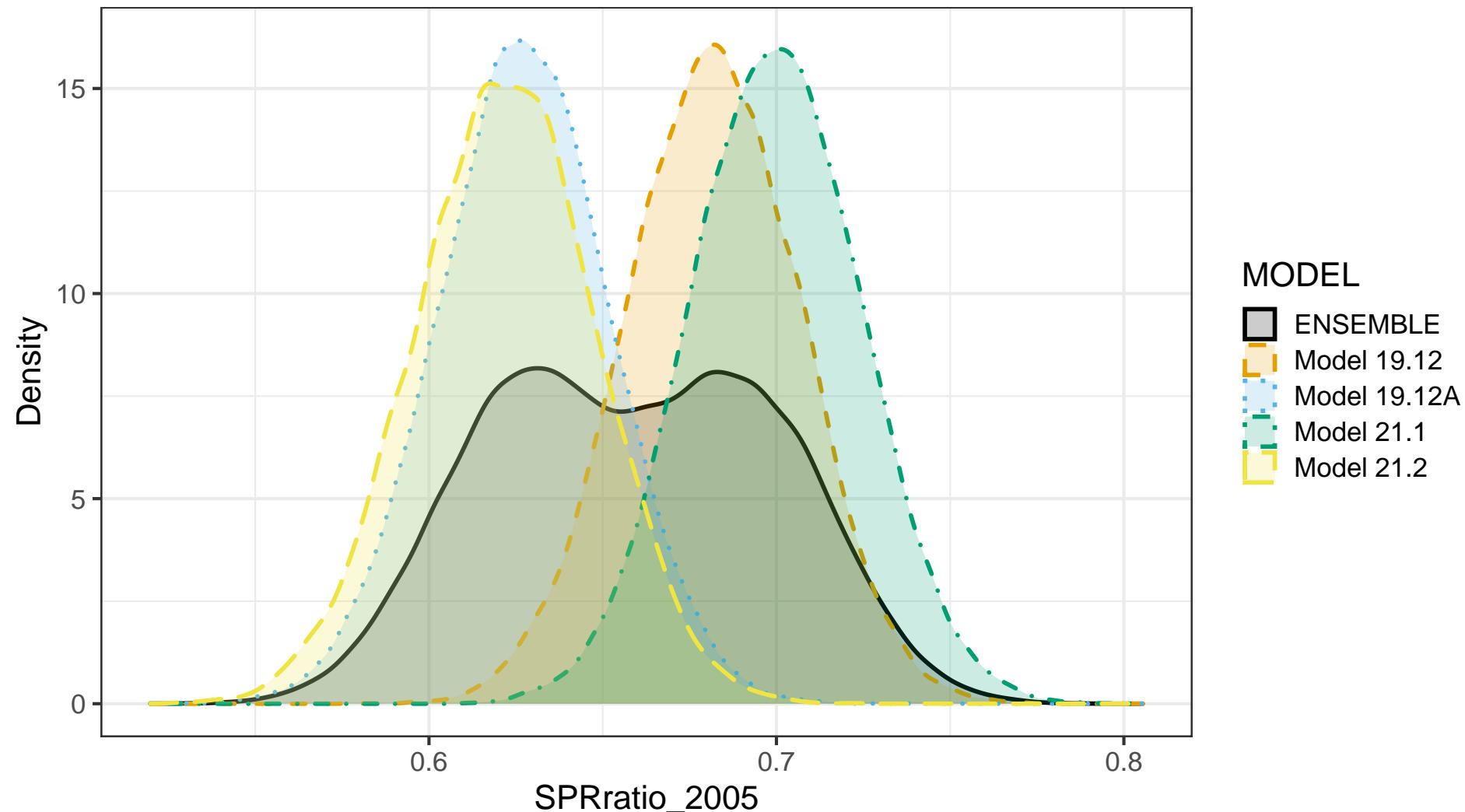
# SPRratio\_2003



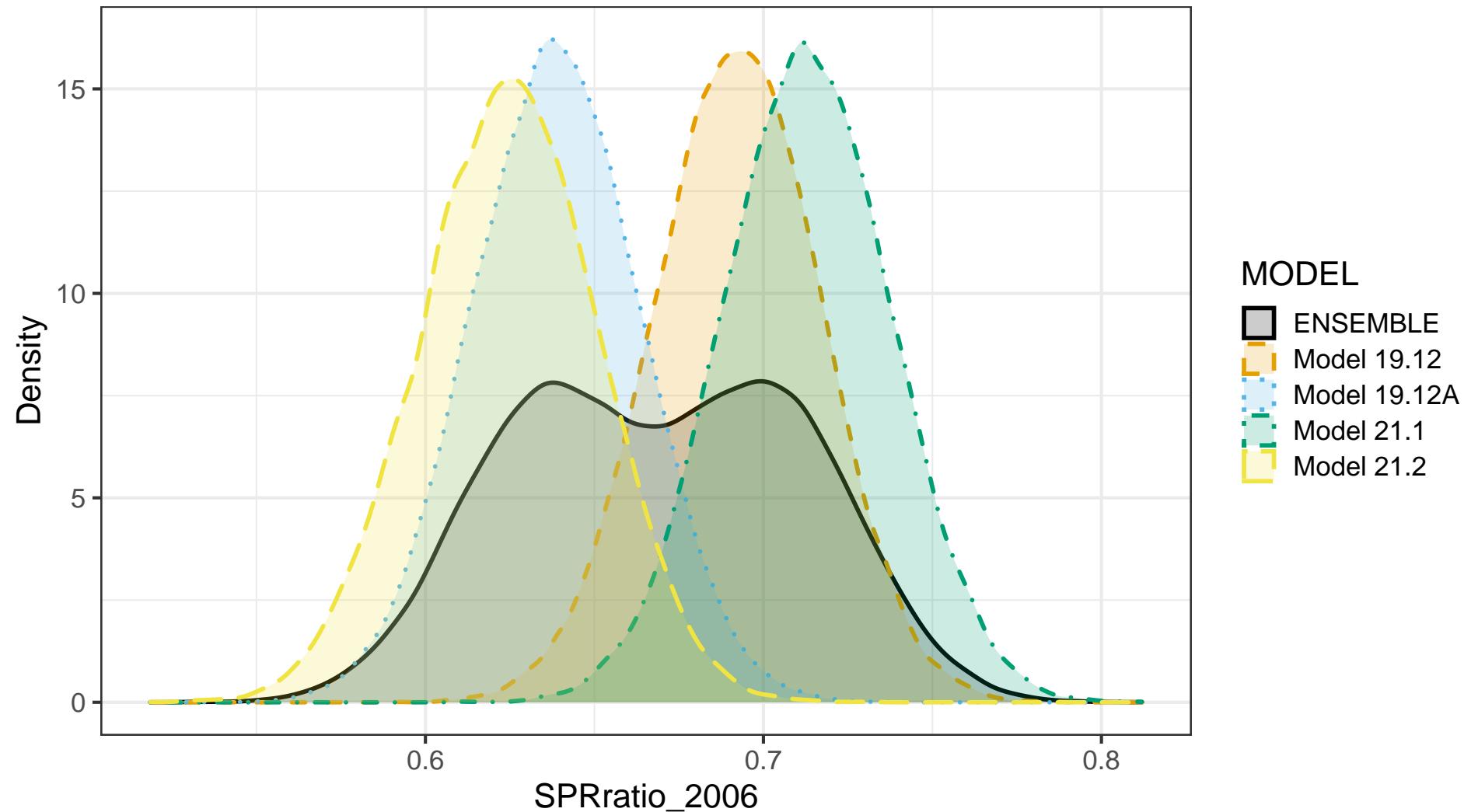
# SPRratio\_2004



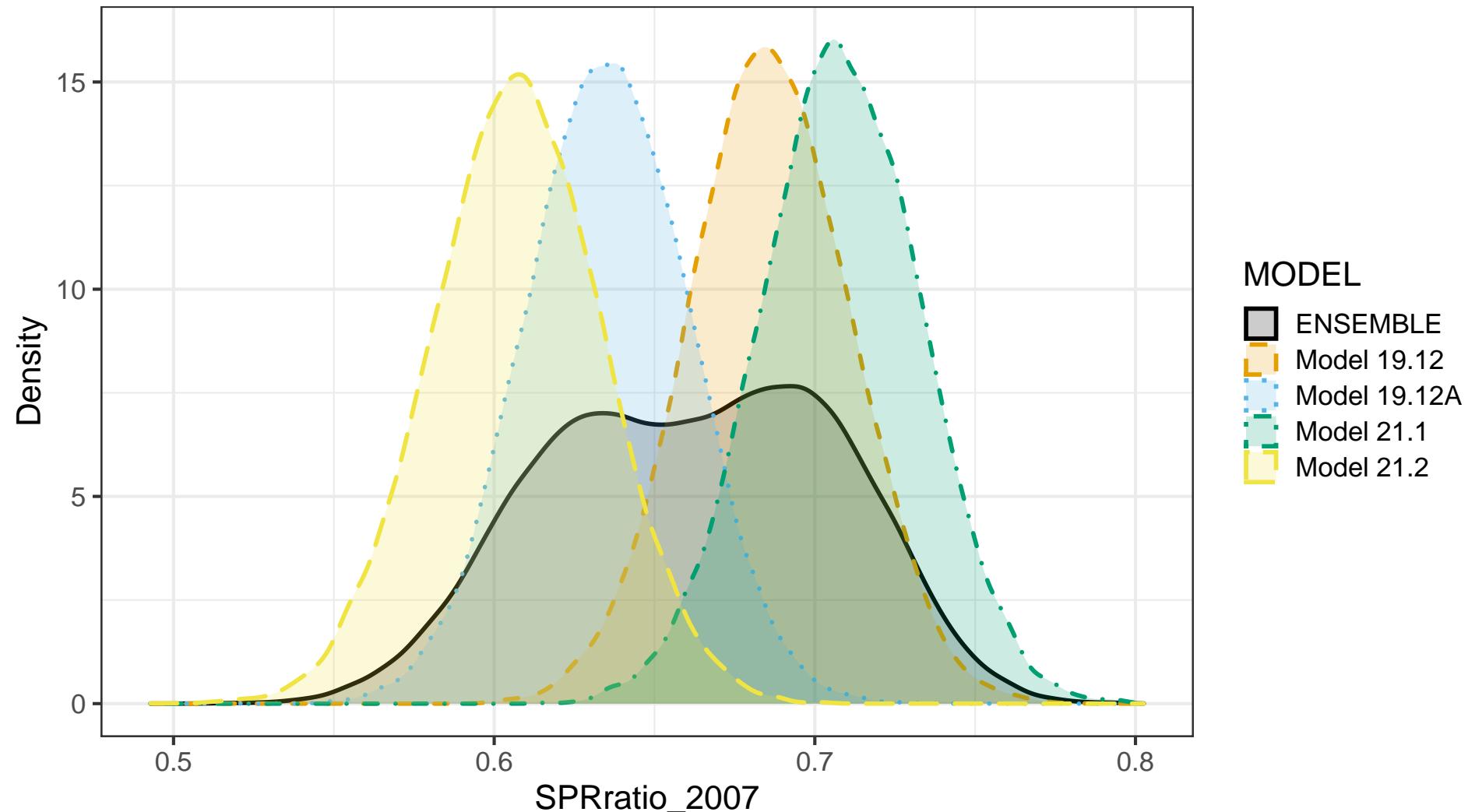
# SPRratio\_2005



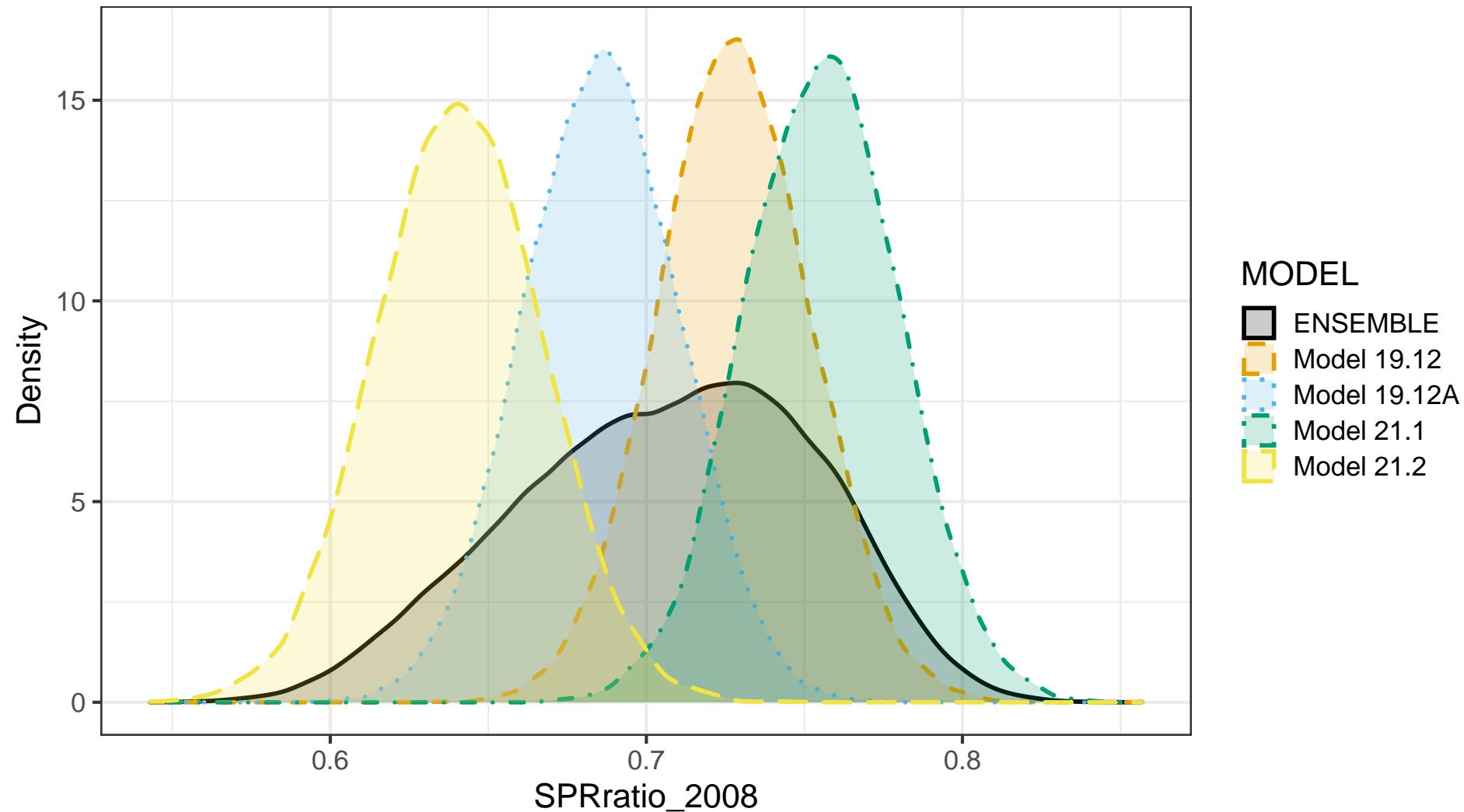
# SPRratio\_2006



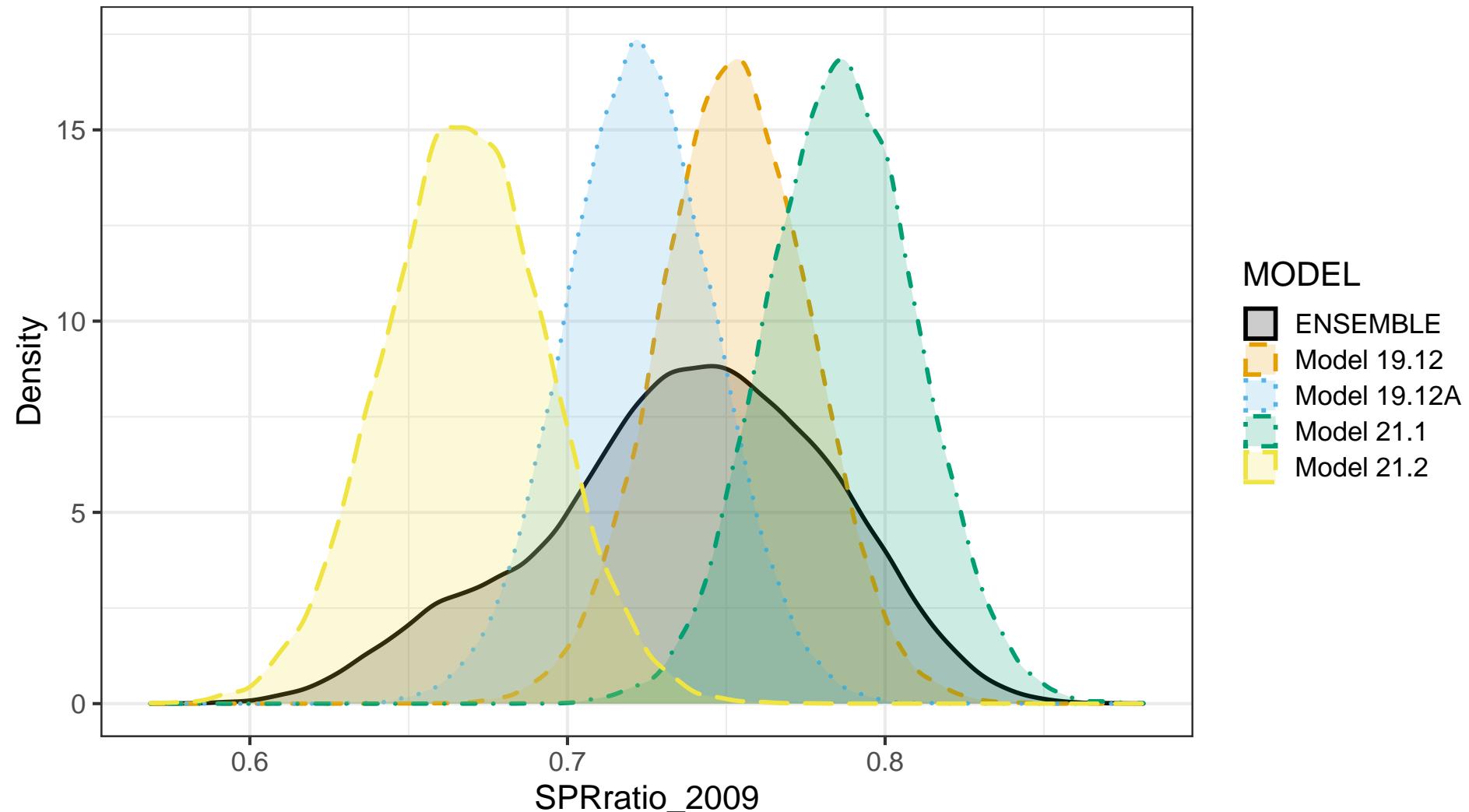
# SPRratio\_2007



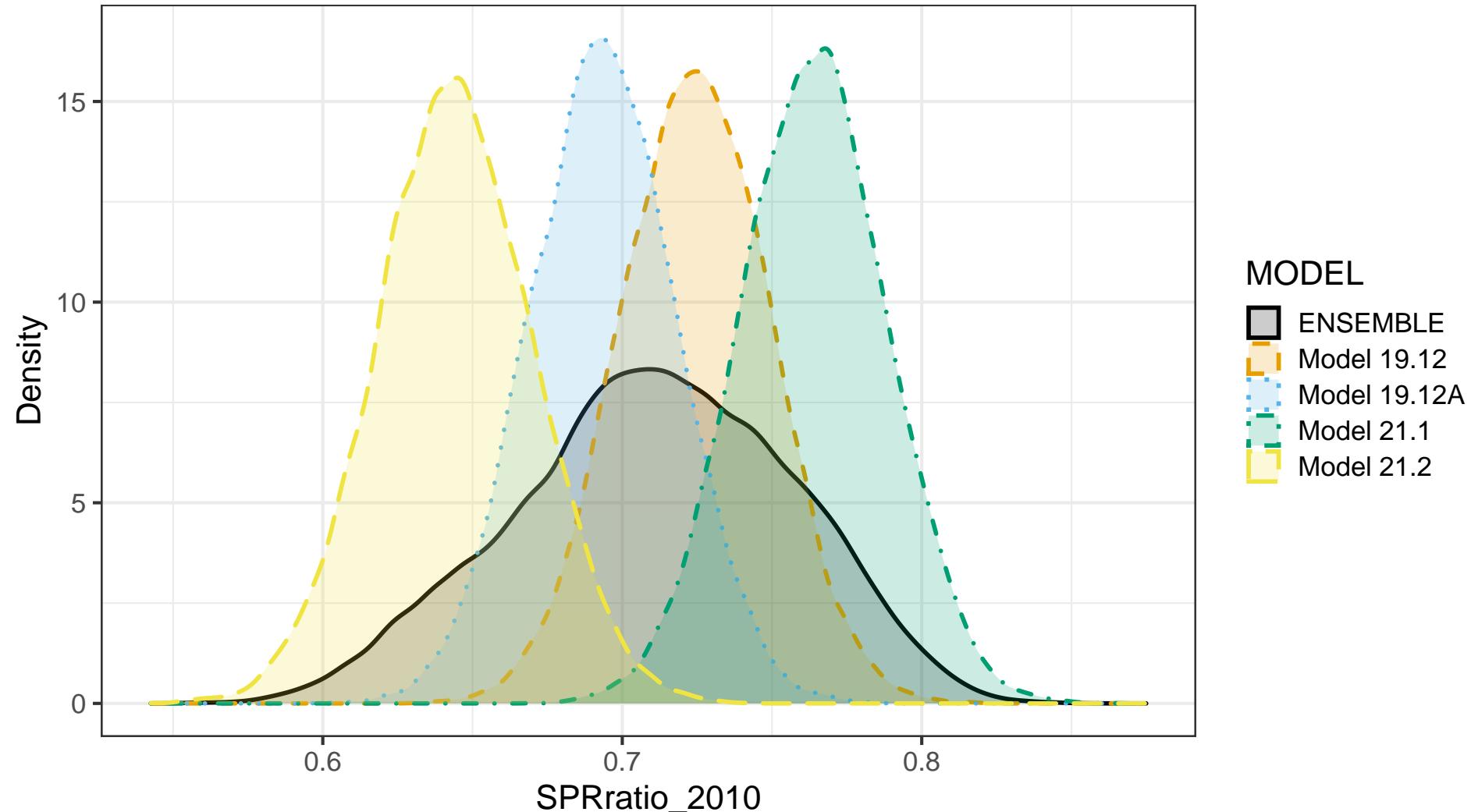
# SPRratio\_2008



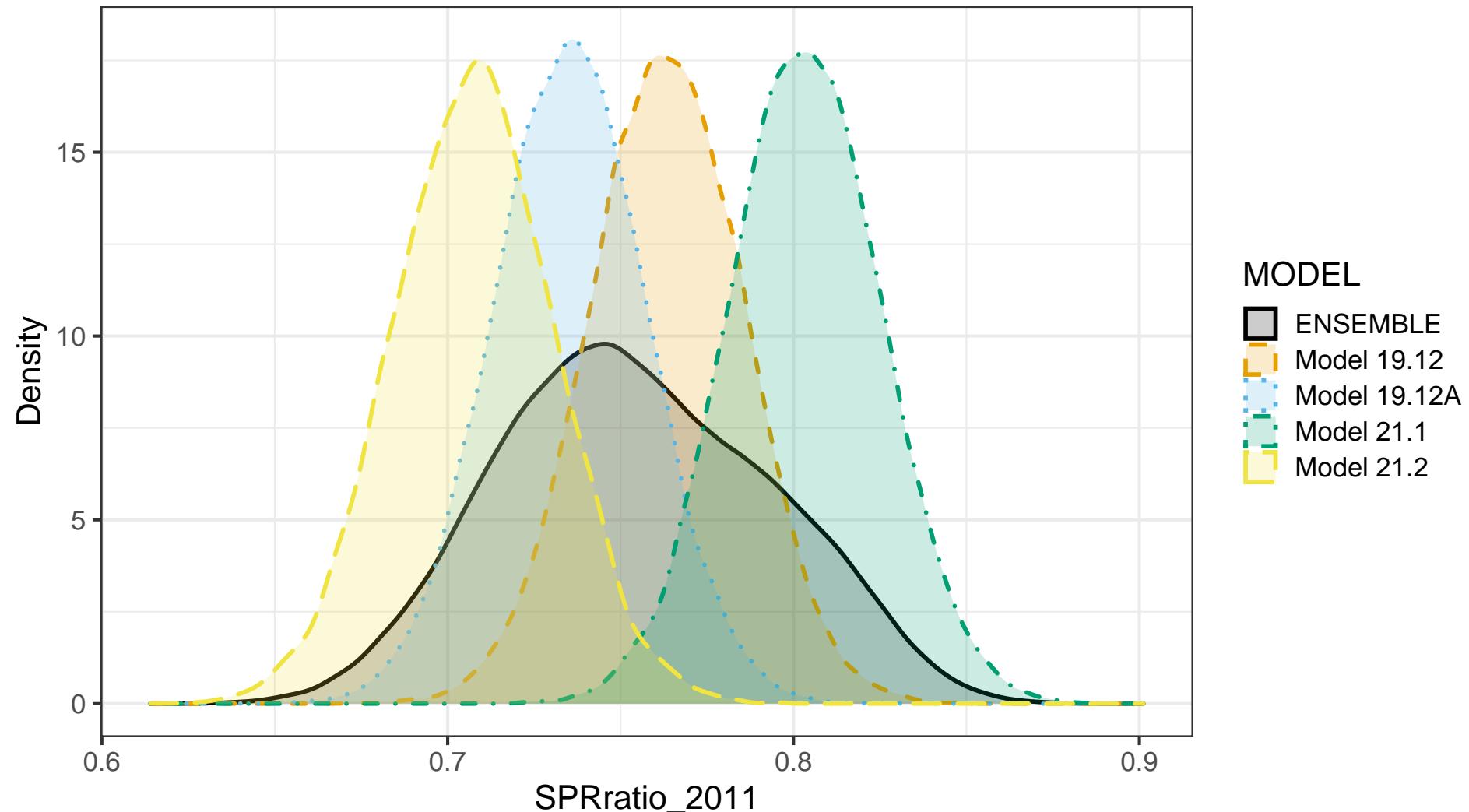
# SPRratio\_2009



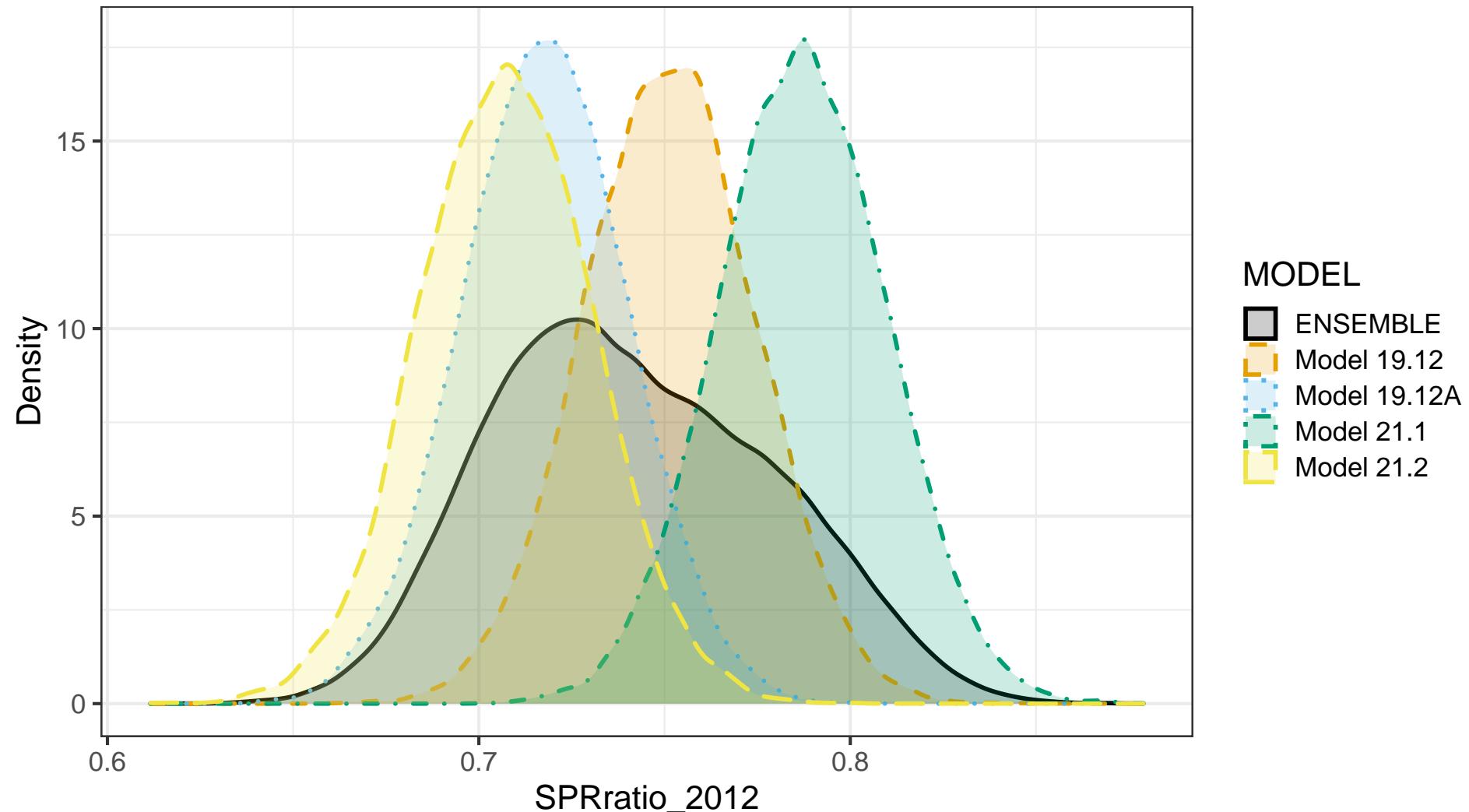
# SPRratio\_2010



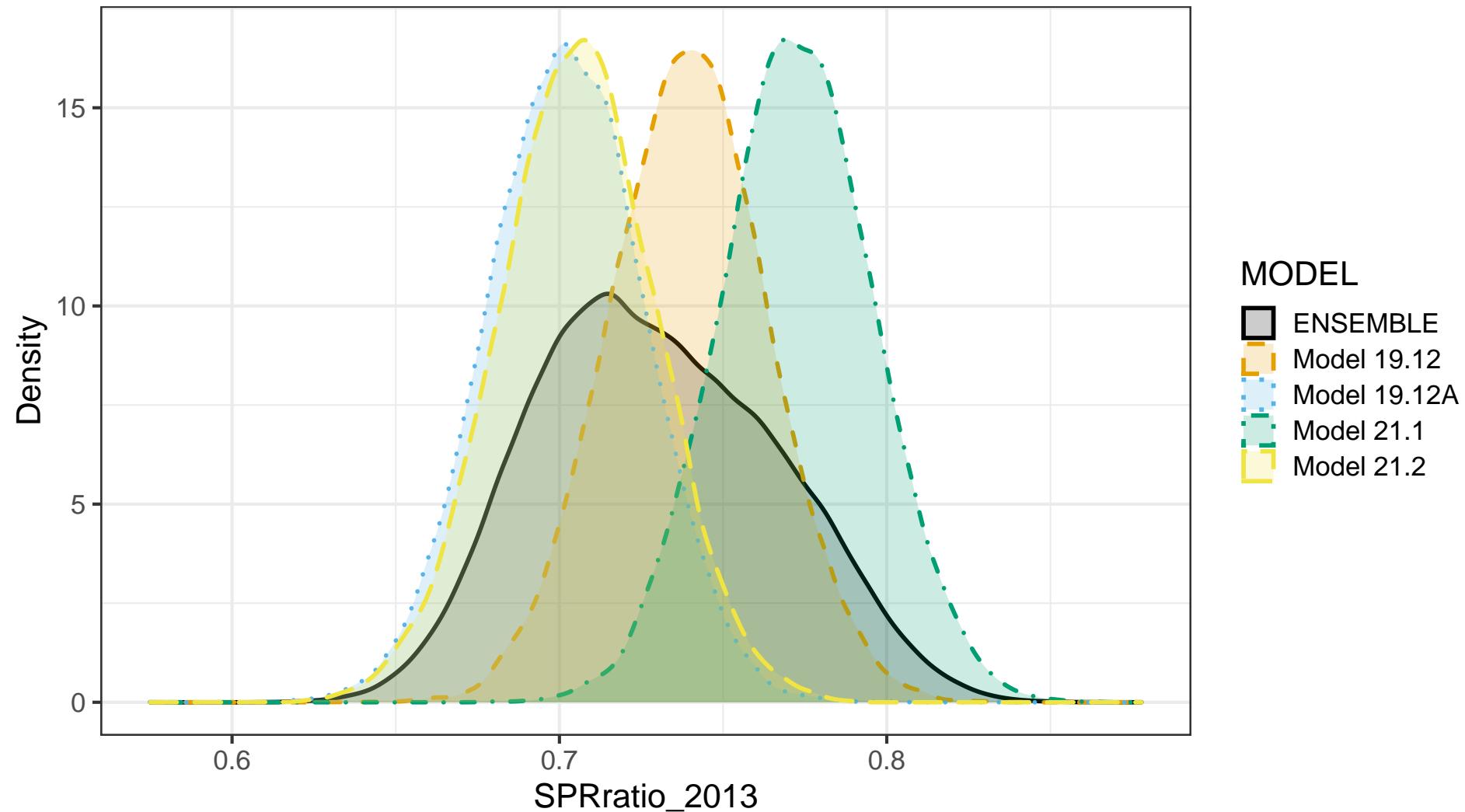
# SPRratio\_2011



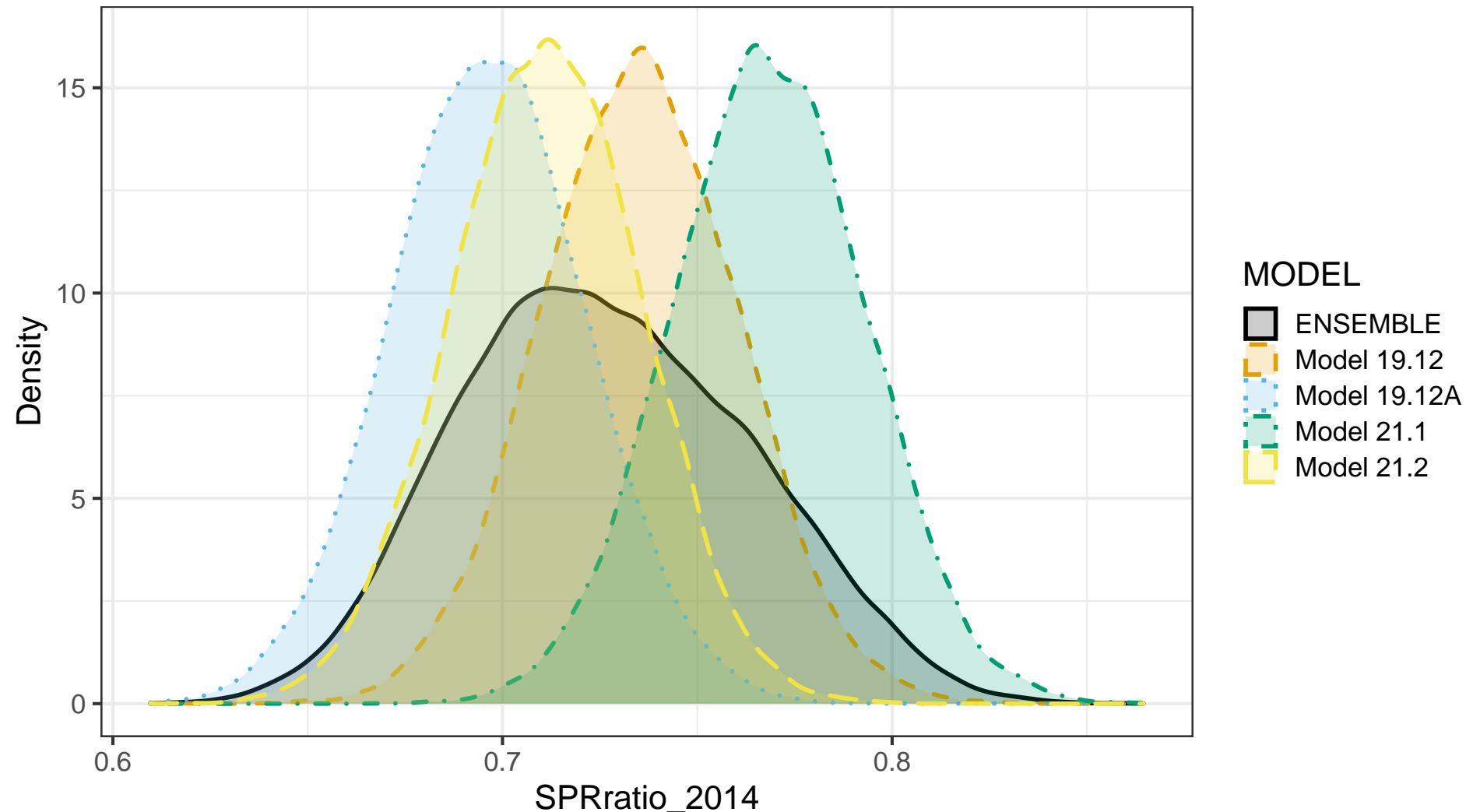
# SPRratio\_2012



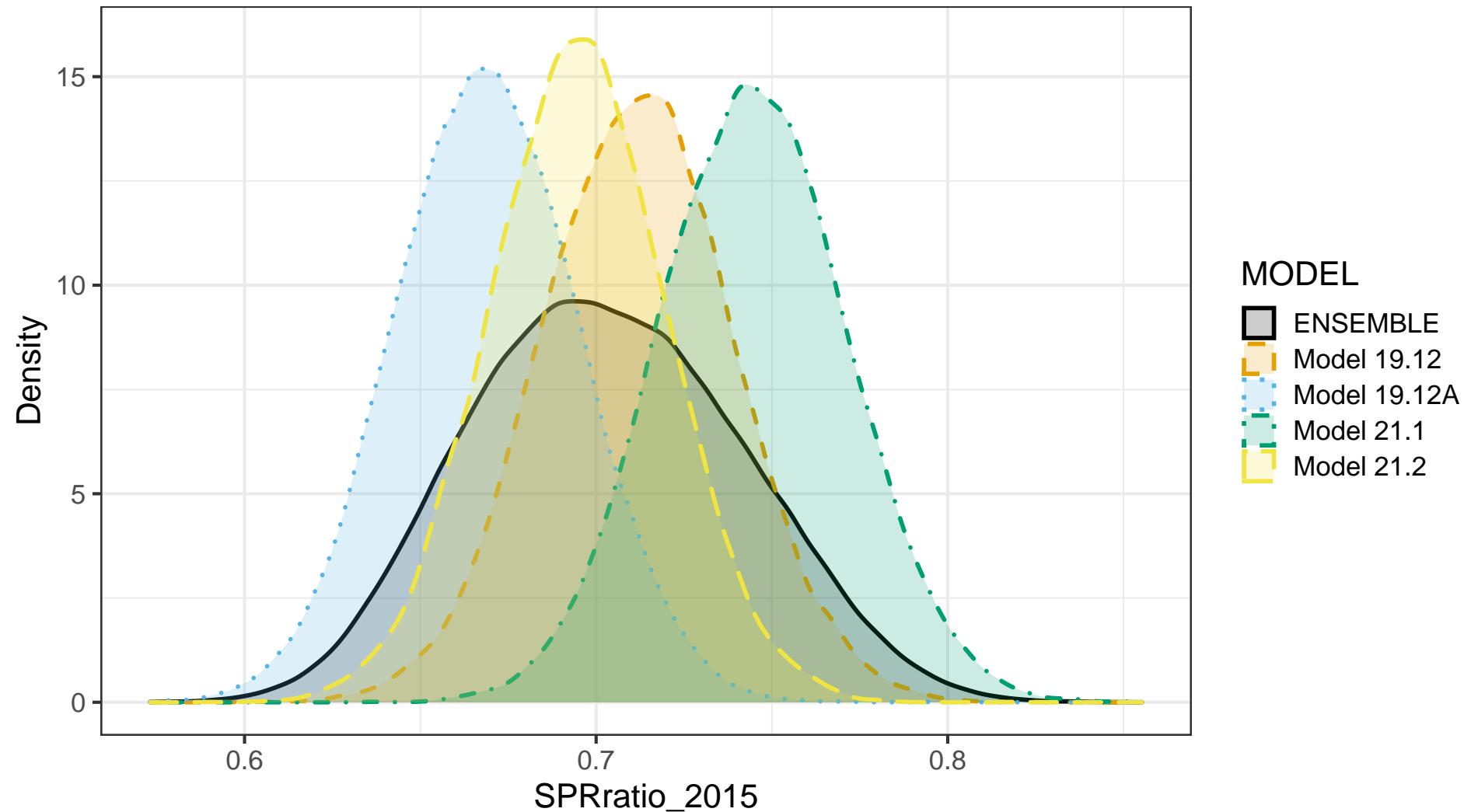
# SPRratio\_2013



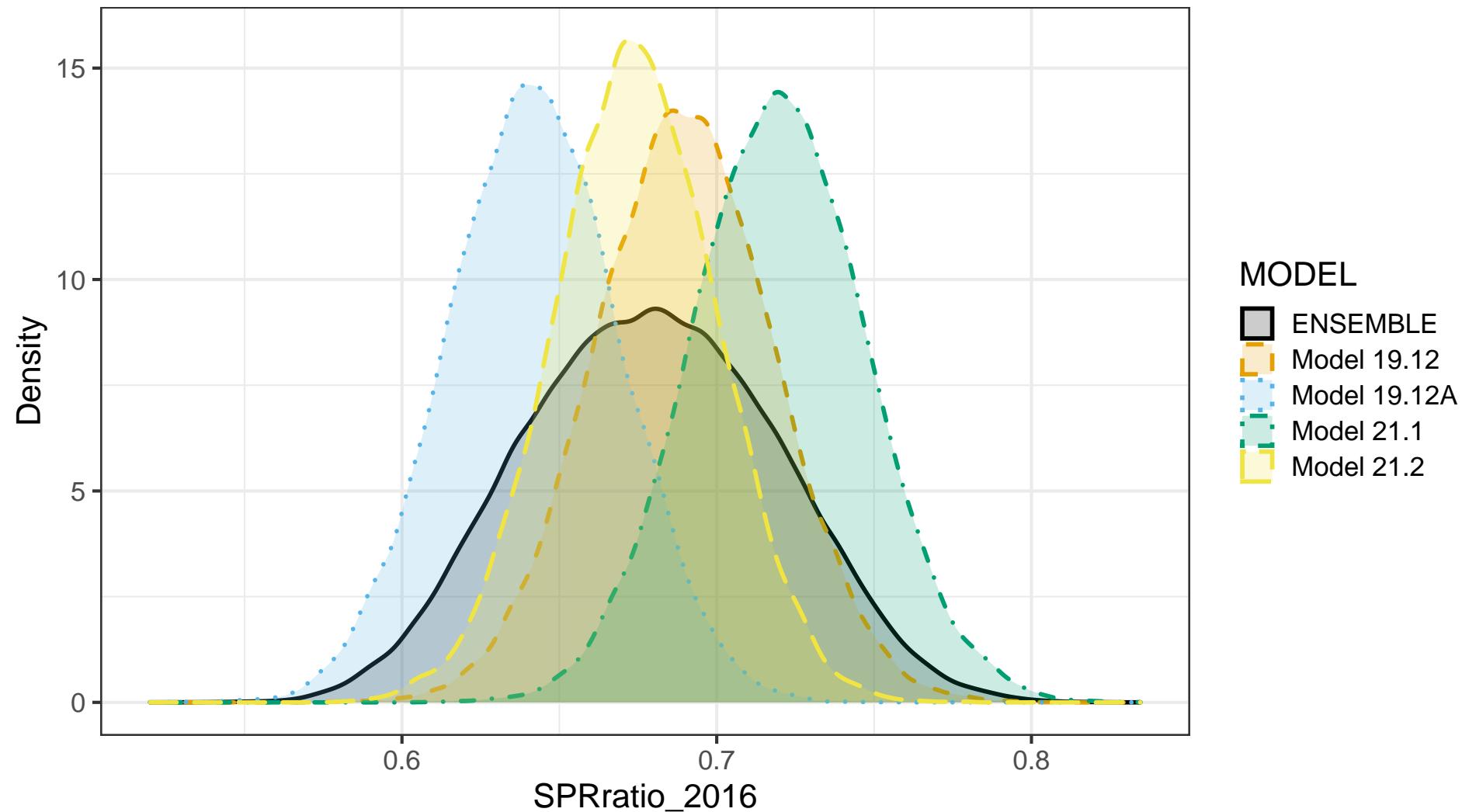
# SPRratio\_2014



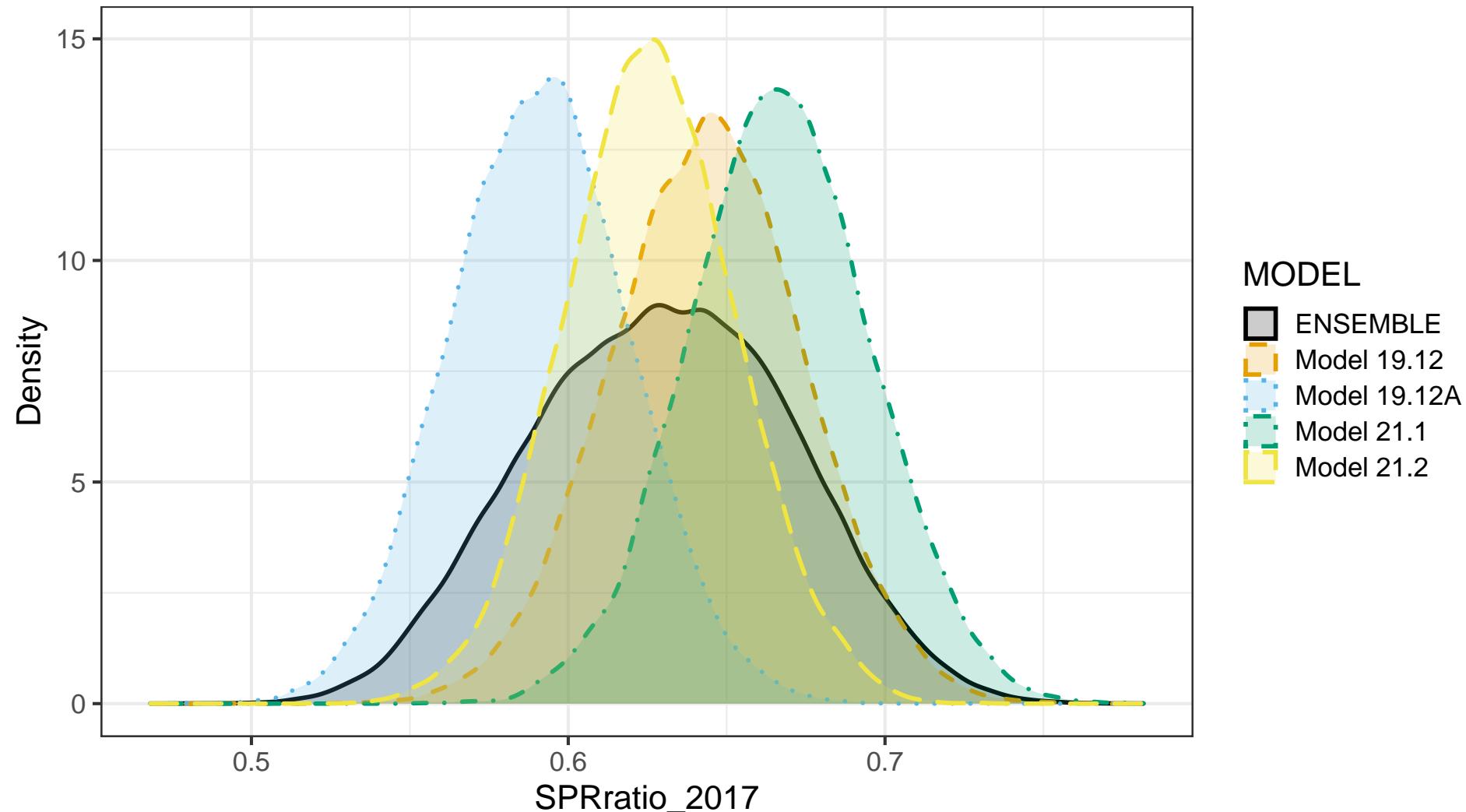
# SPRratio\_2015



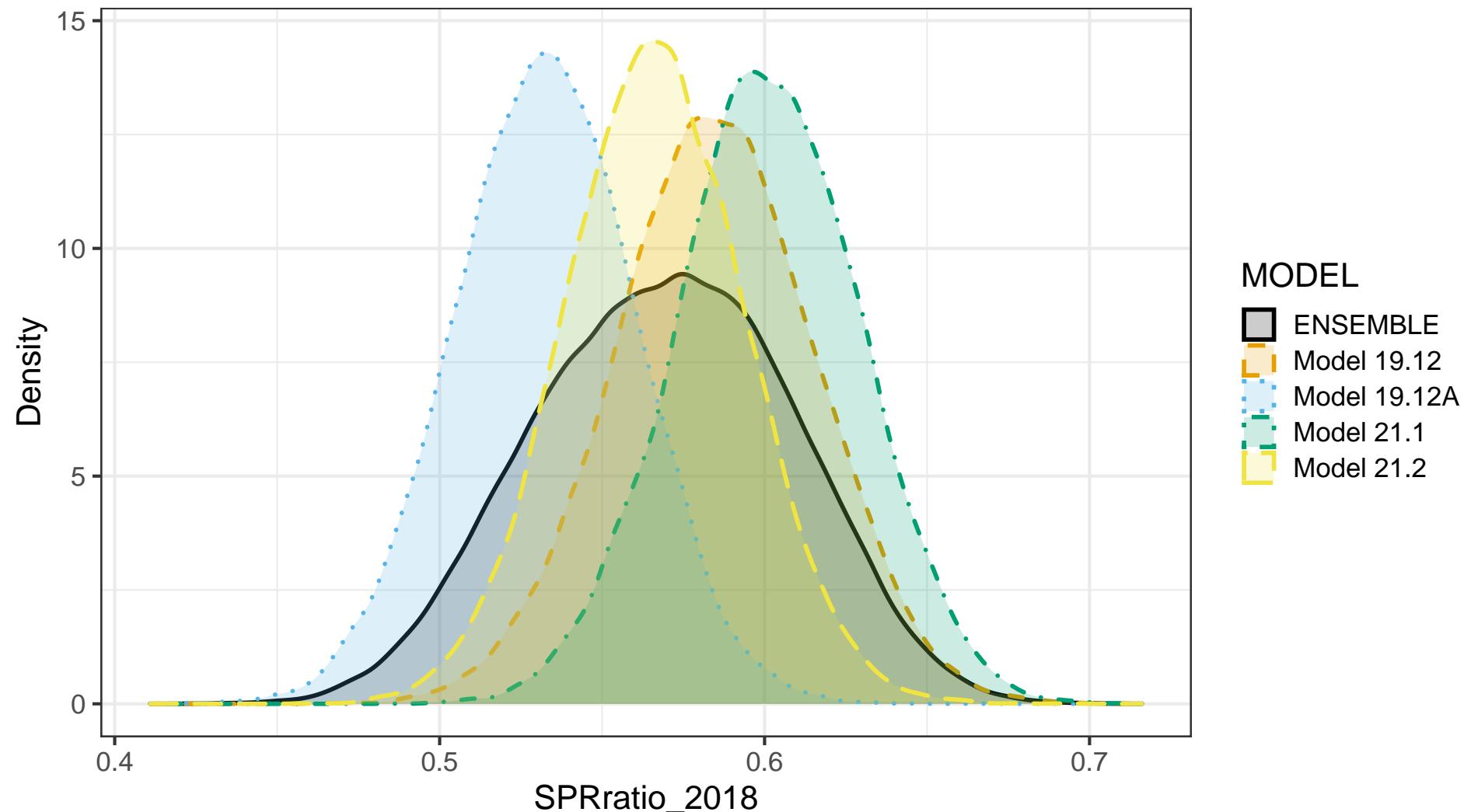
# SPRratio\_2016



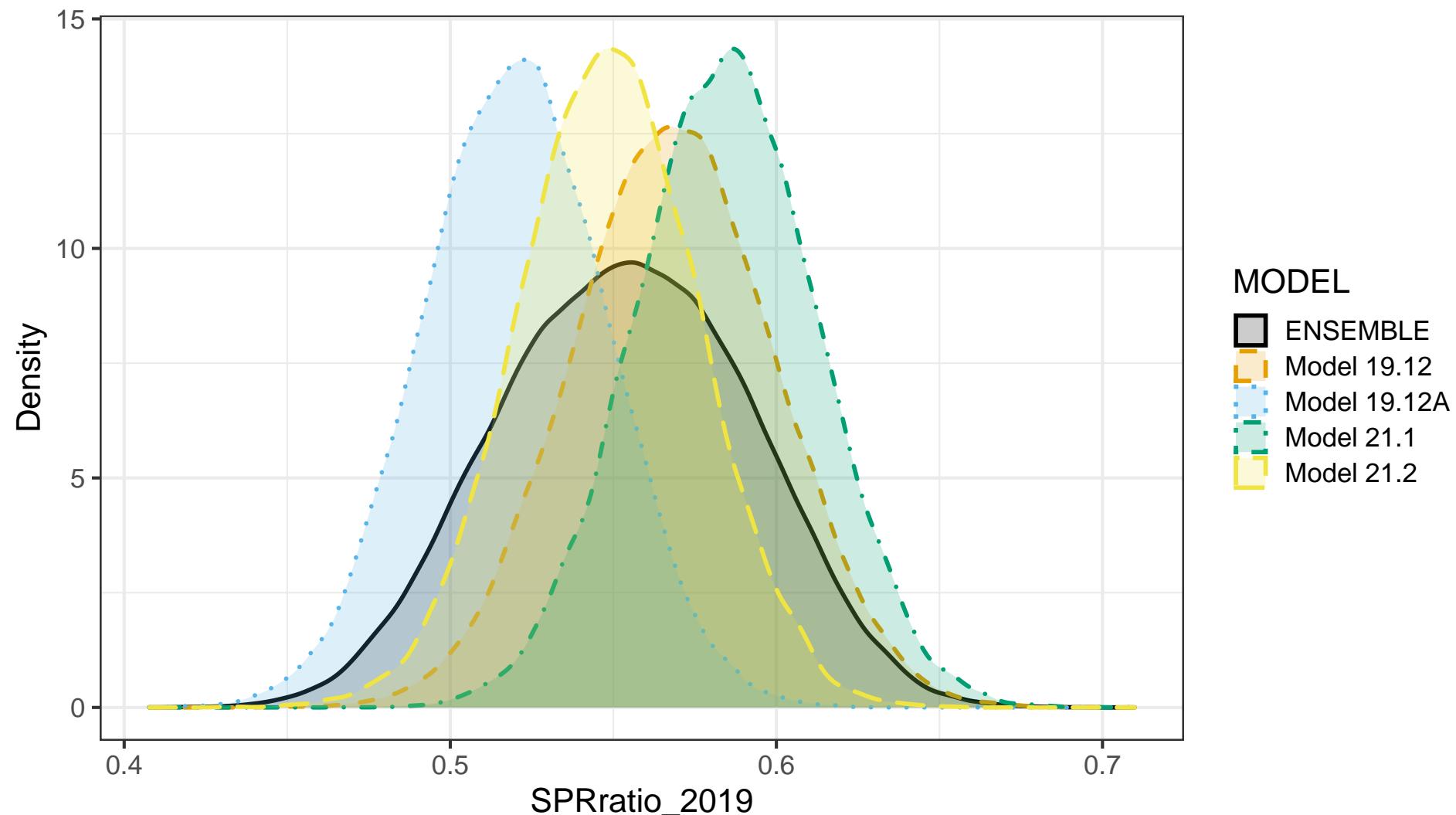
# SPRratio\_2017



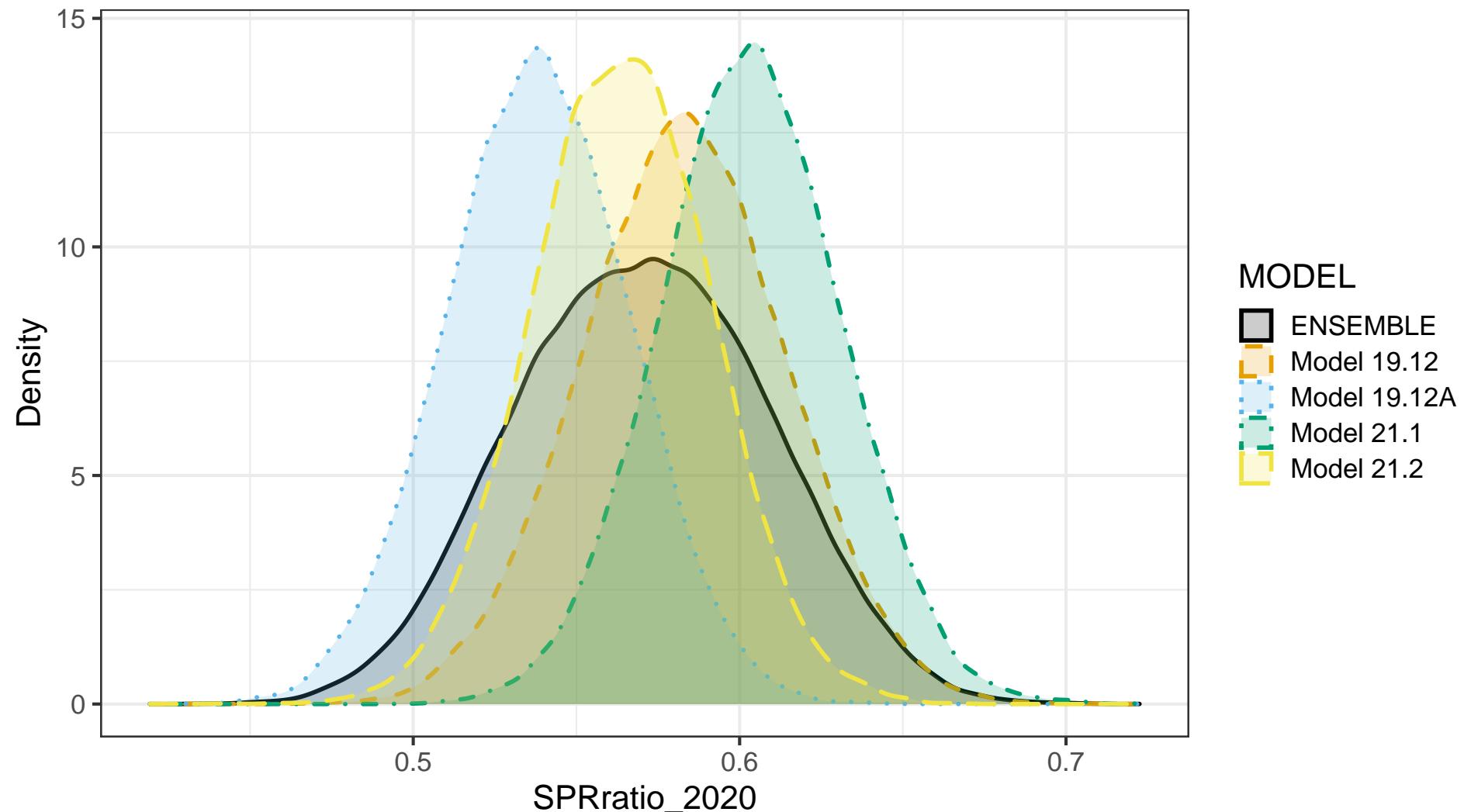
# SPRratio\_2018



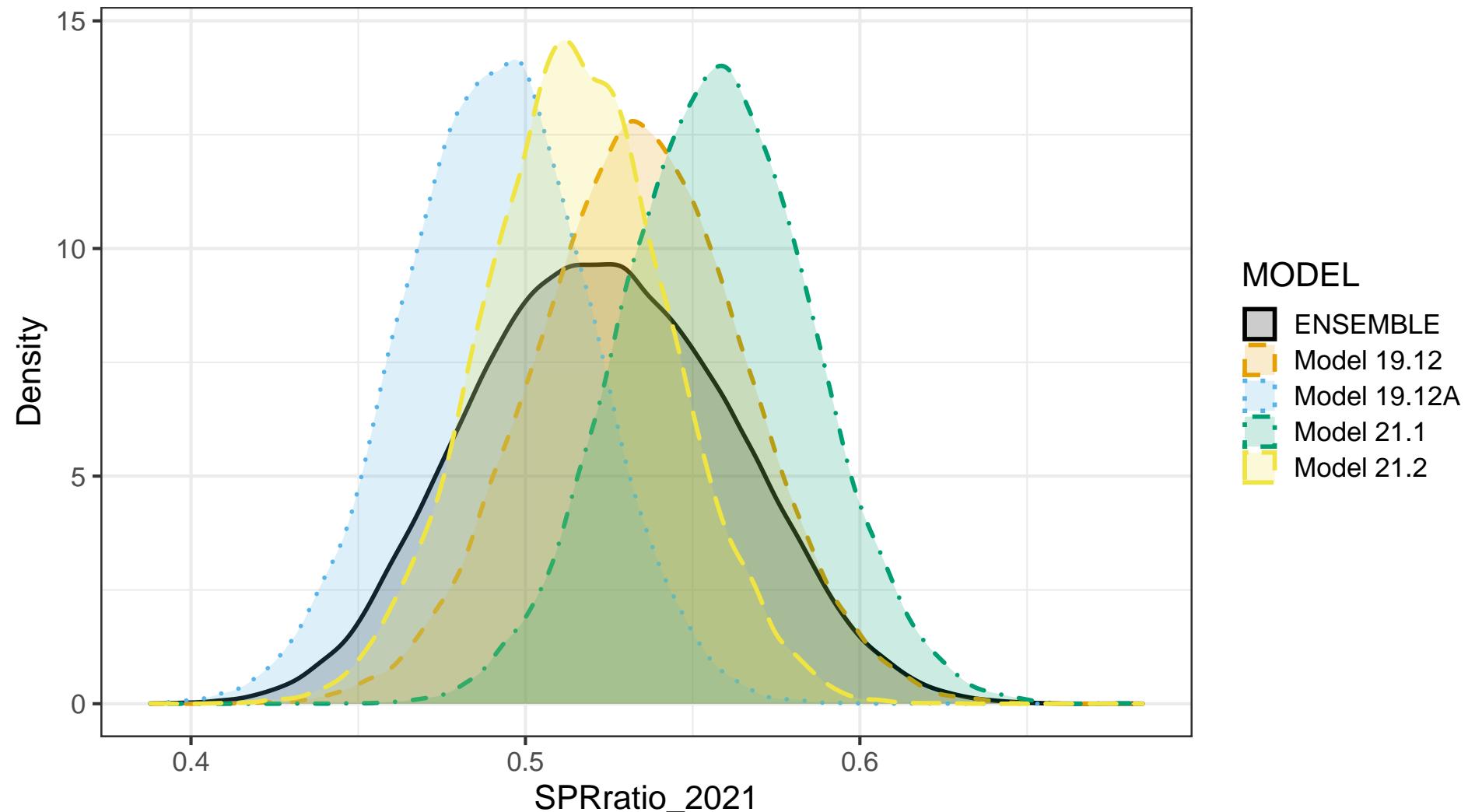
# SPRratio\_2019



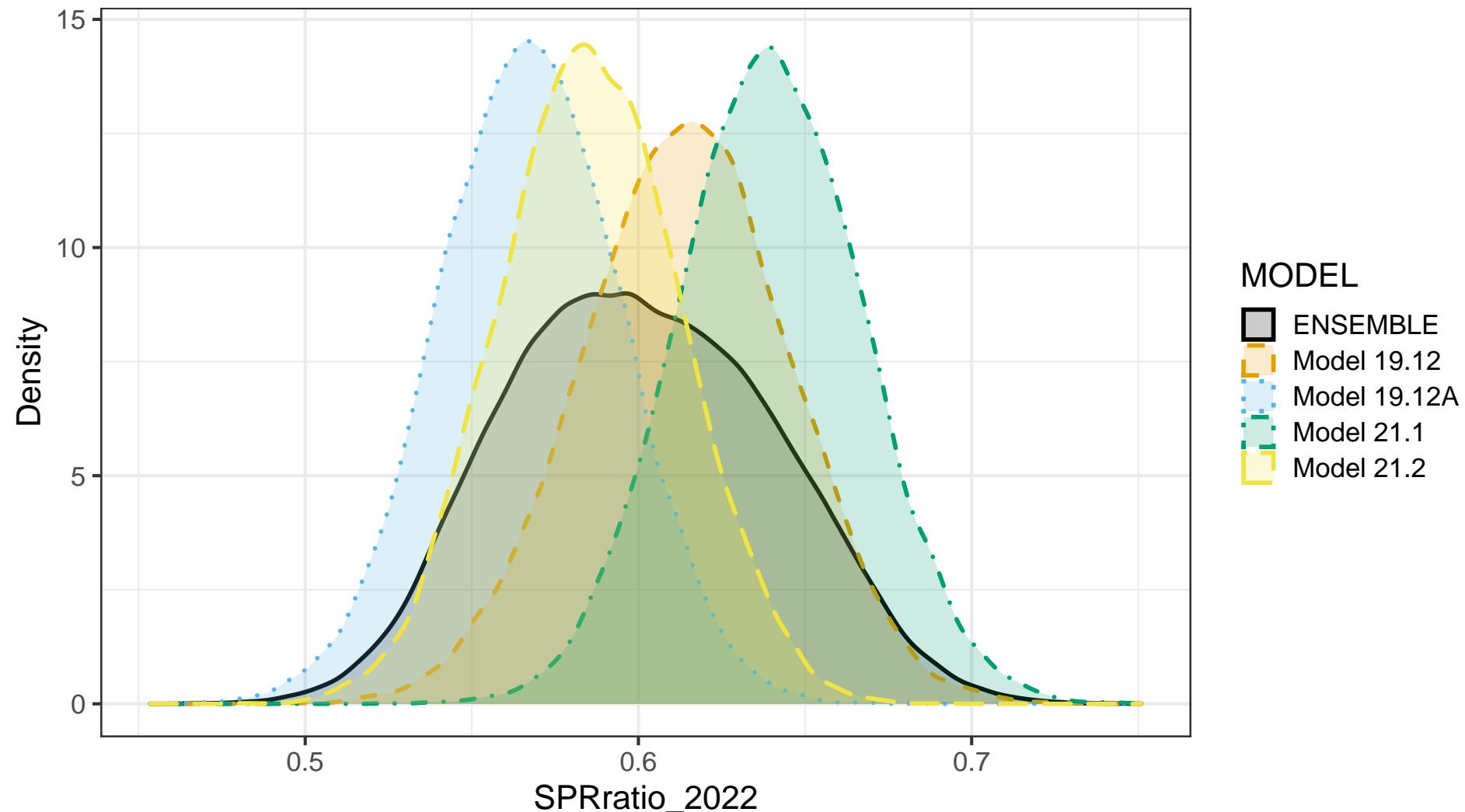
# SPRratio\_2020



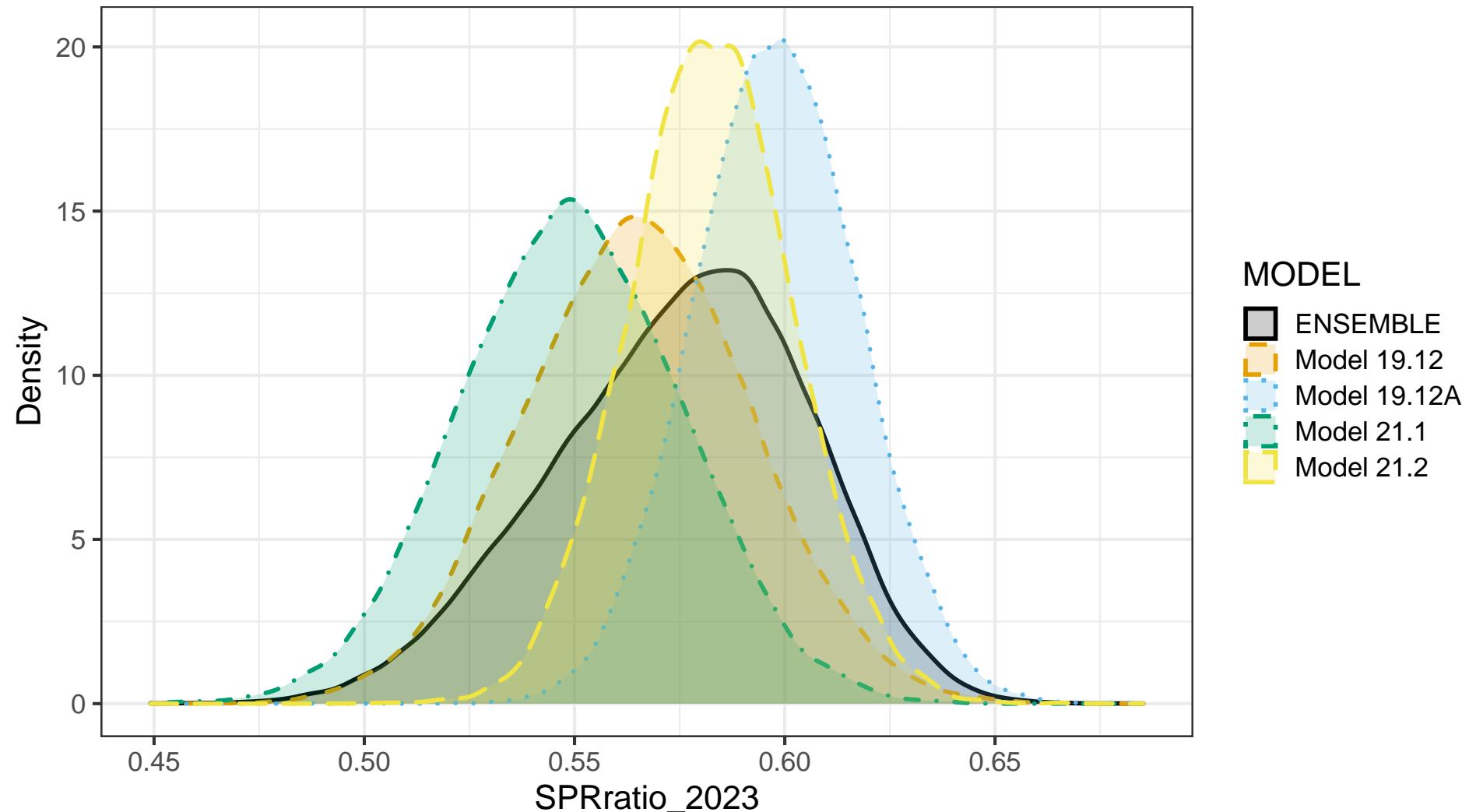
# SPRratio\_2021



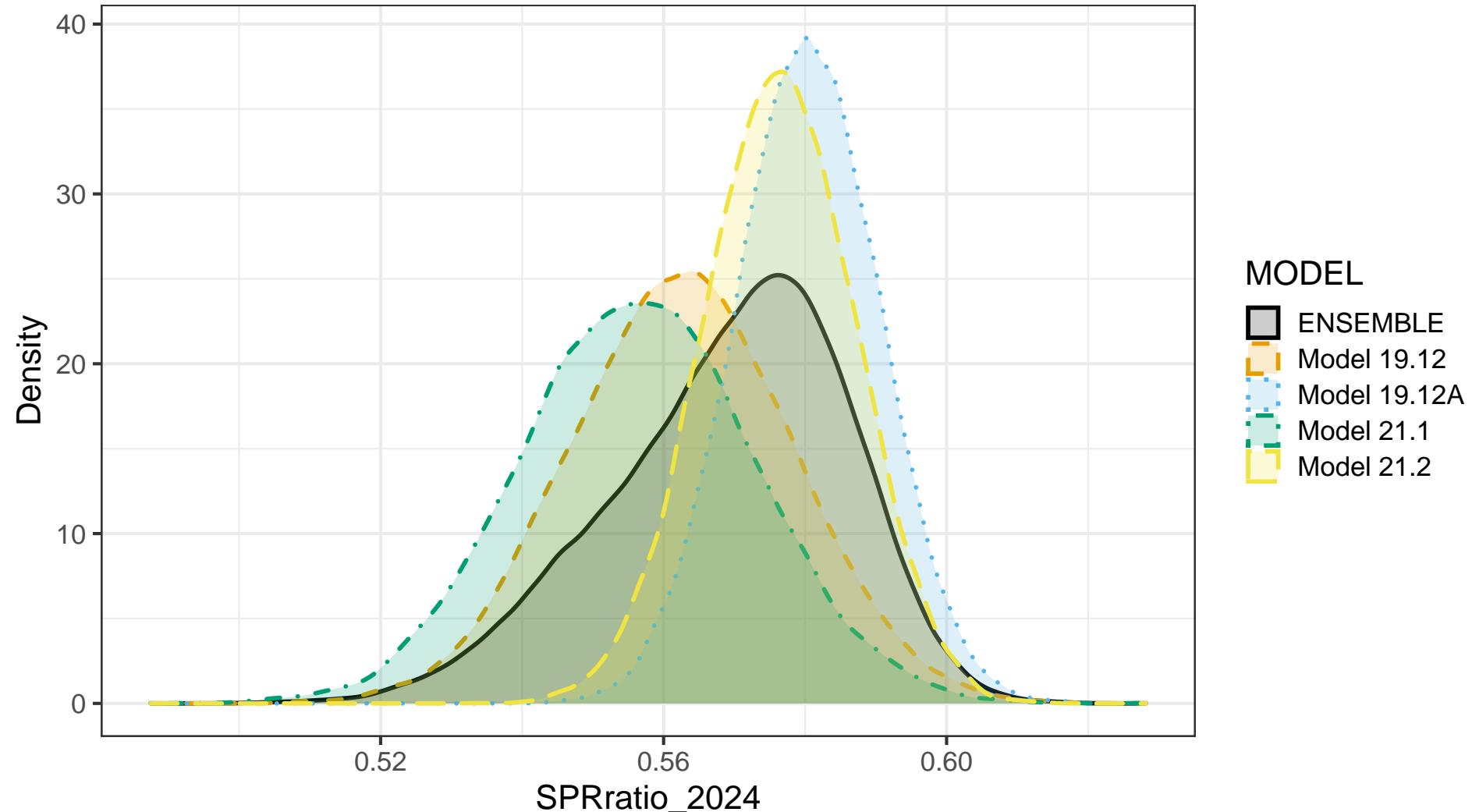
# SPRratio\_2022



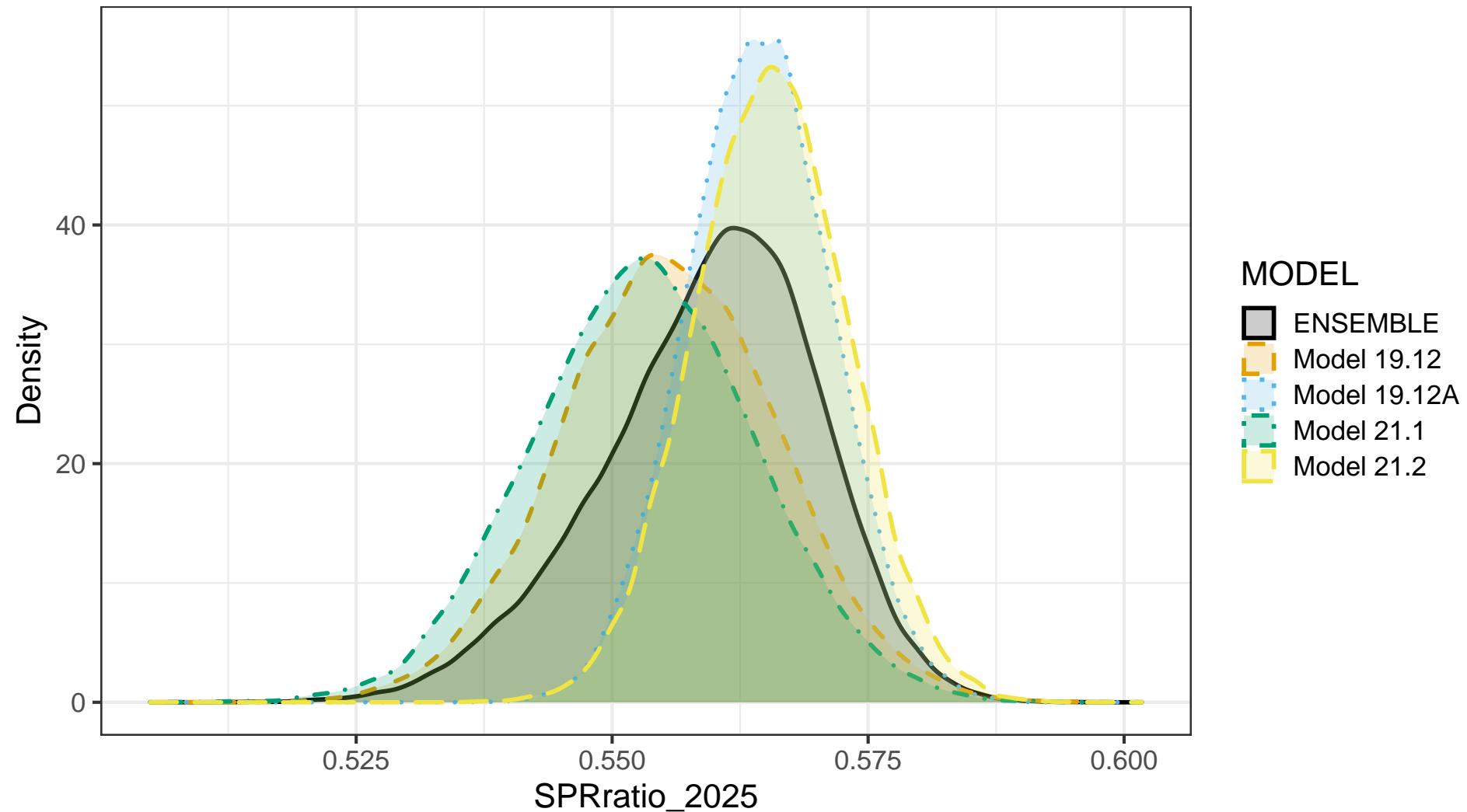
# SPRratio\_2023



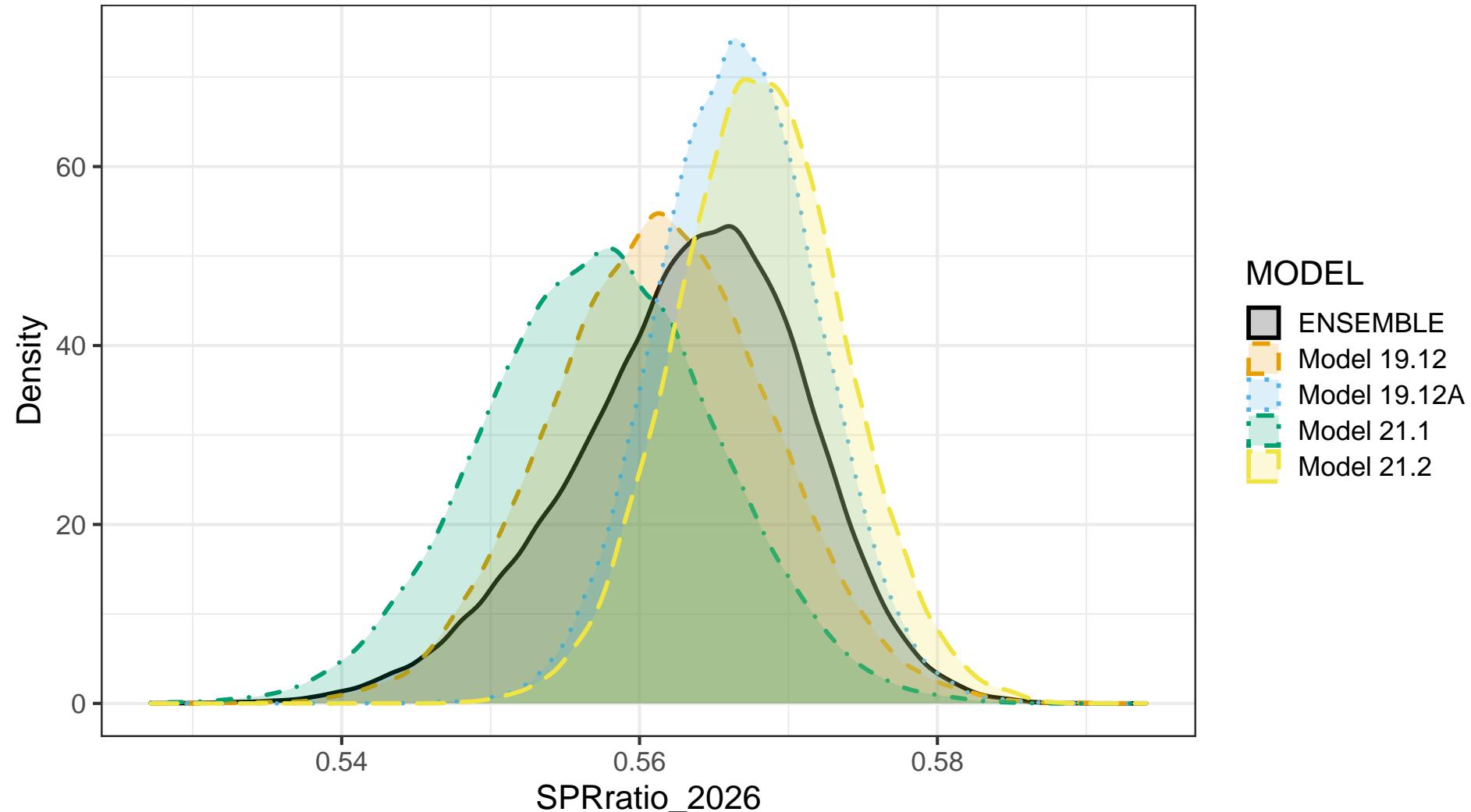
# SPRratio\_2024



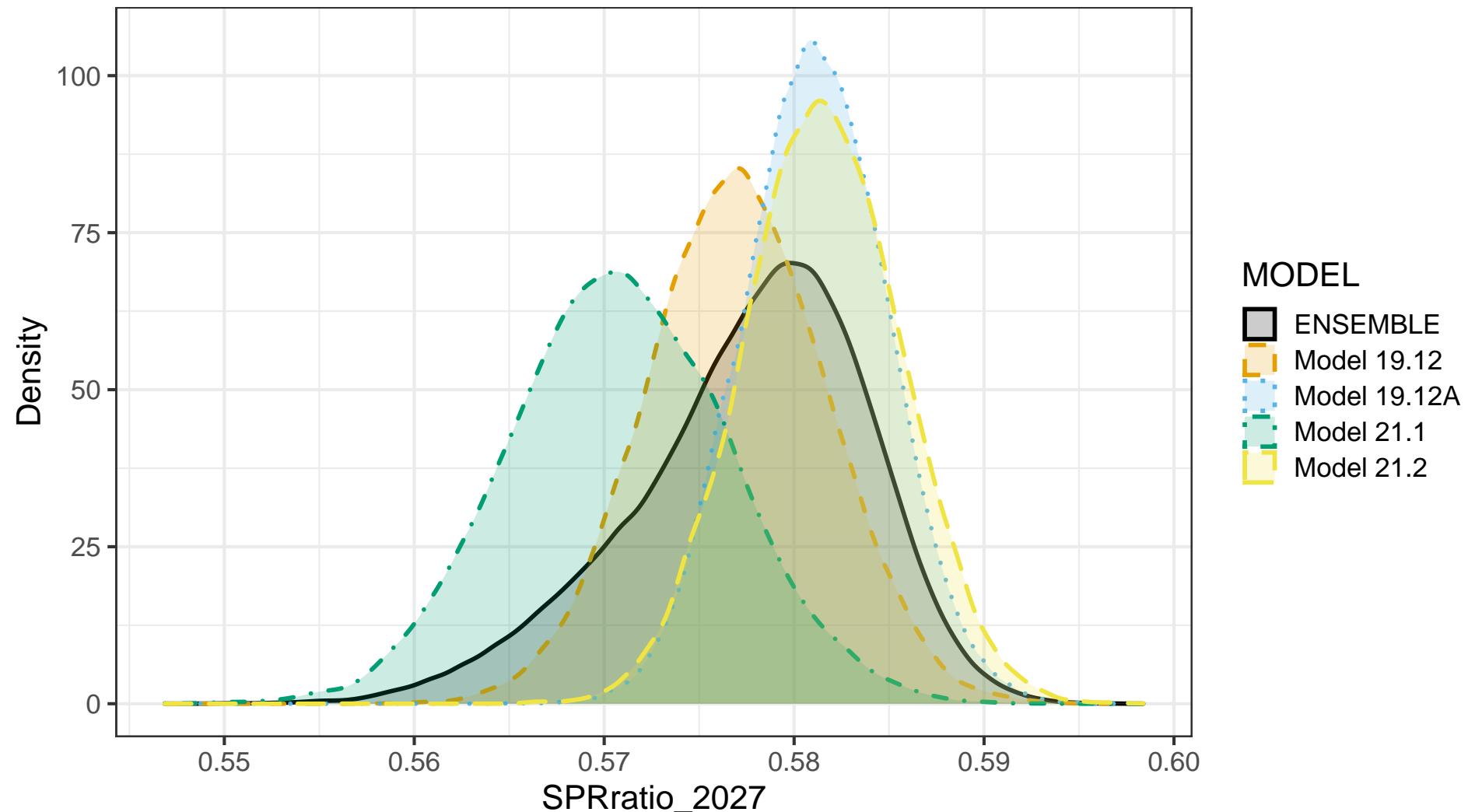
# SPRratio\_2025



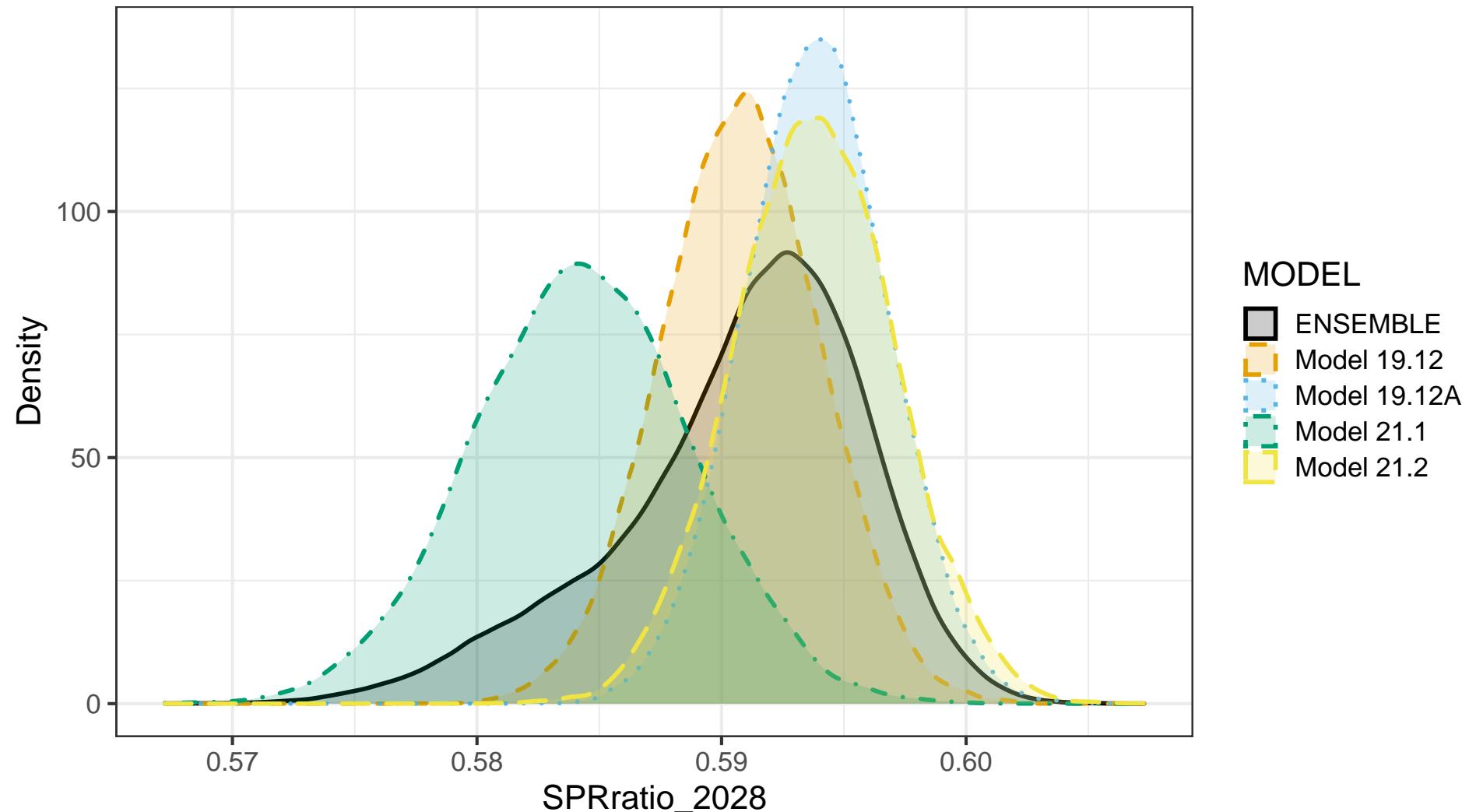
# SPRratio\_2026



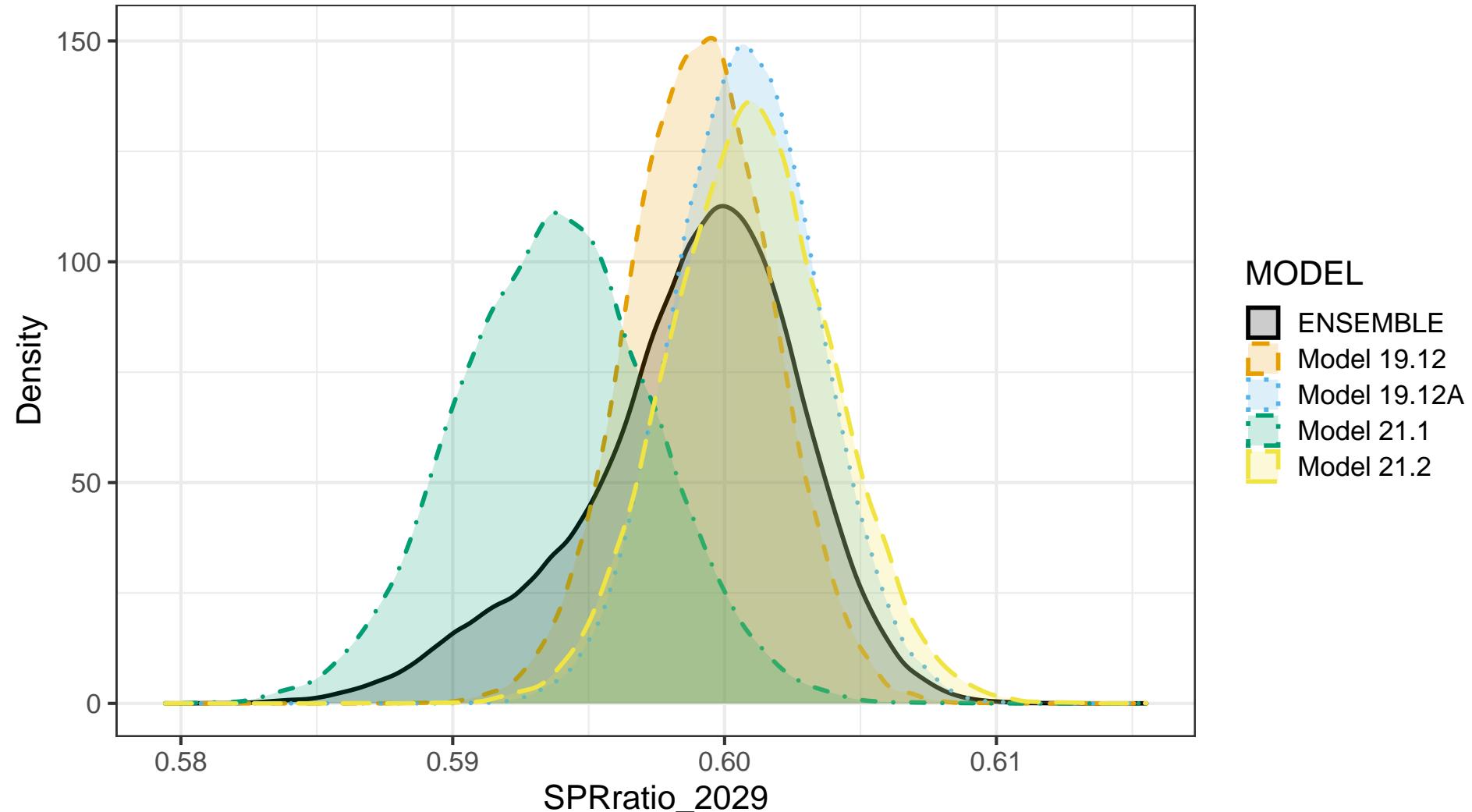
# SPRratio\_2027



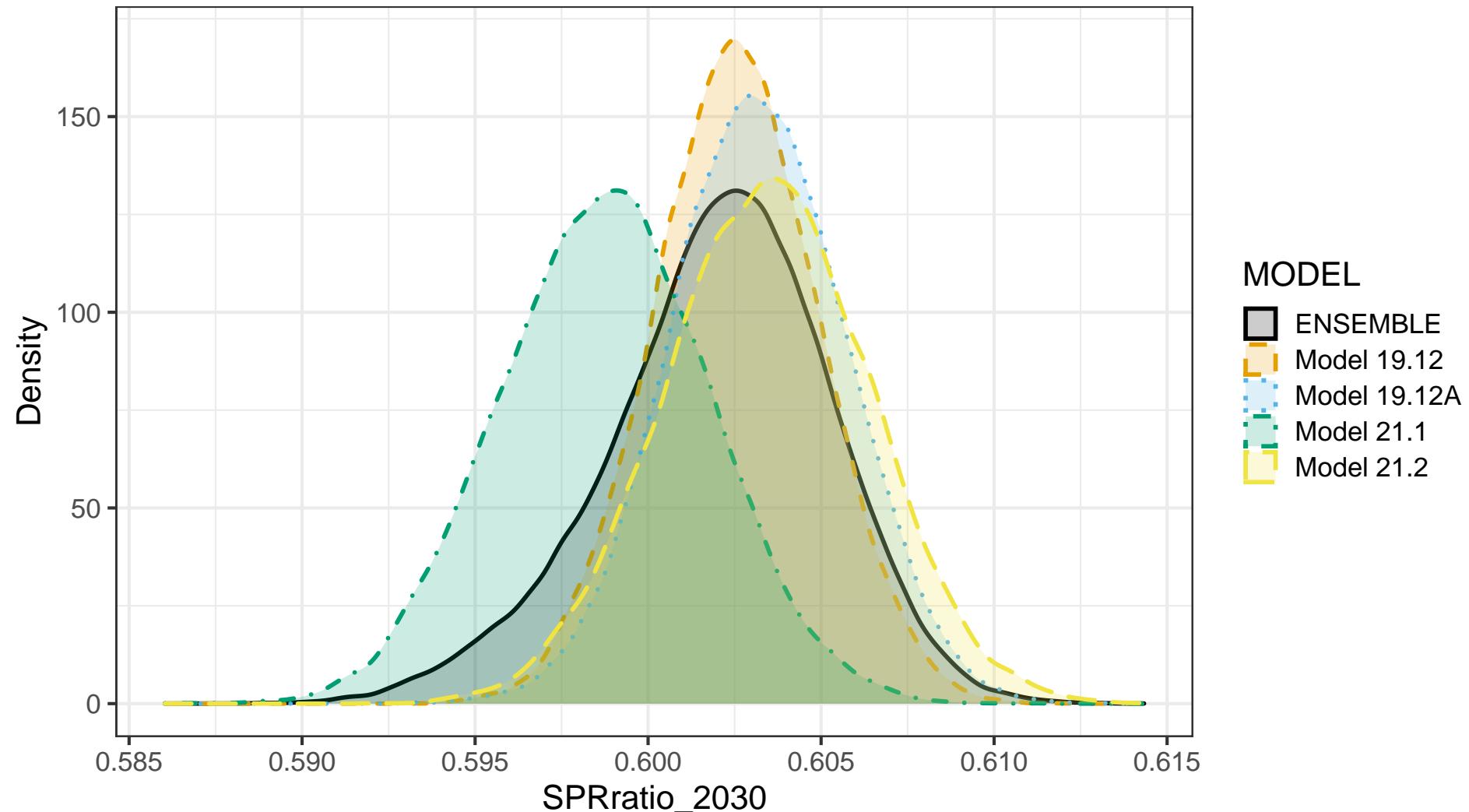
# SPRratio\_2028



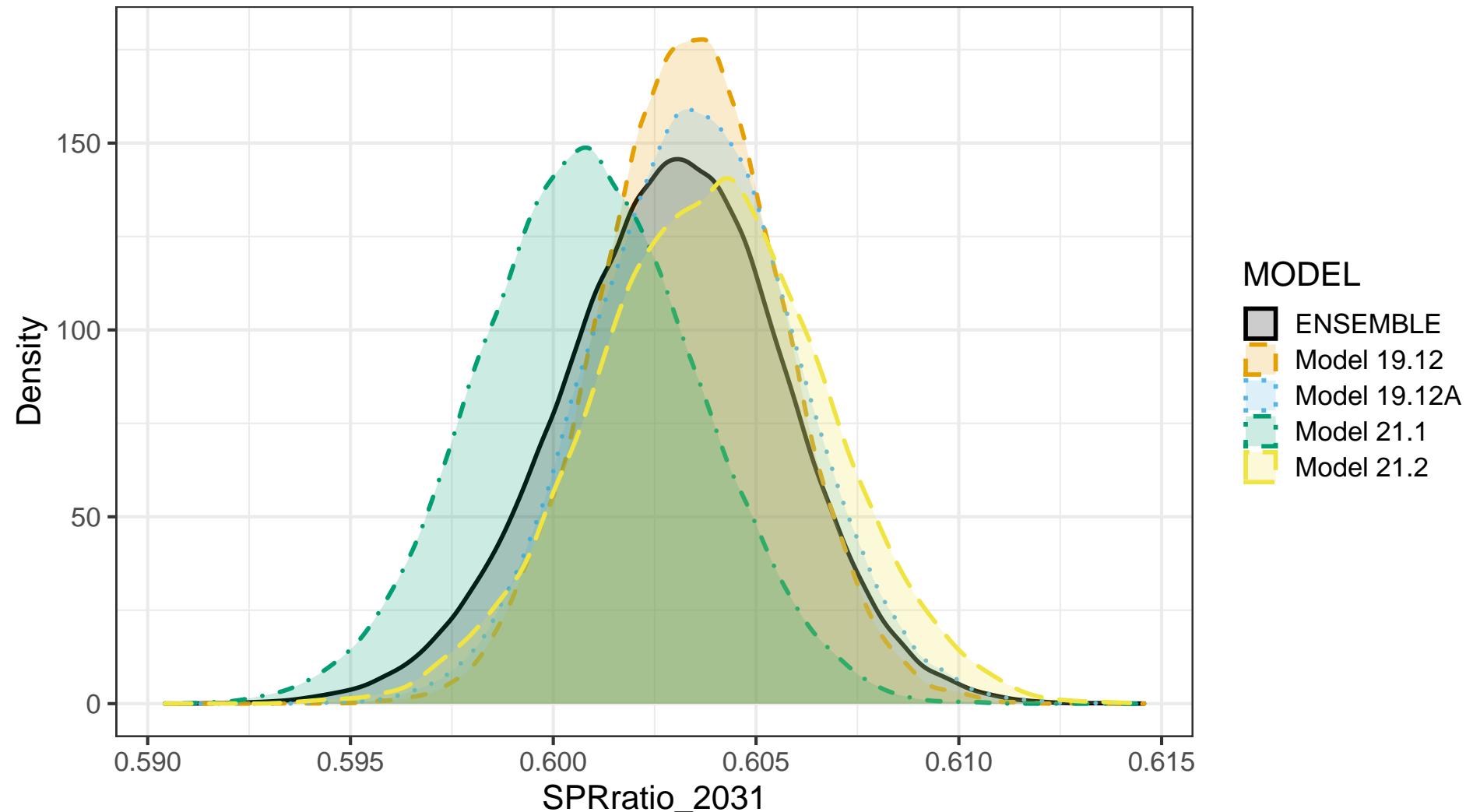
# SPRratio\_2029



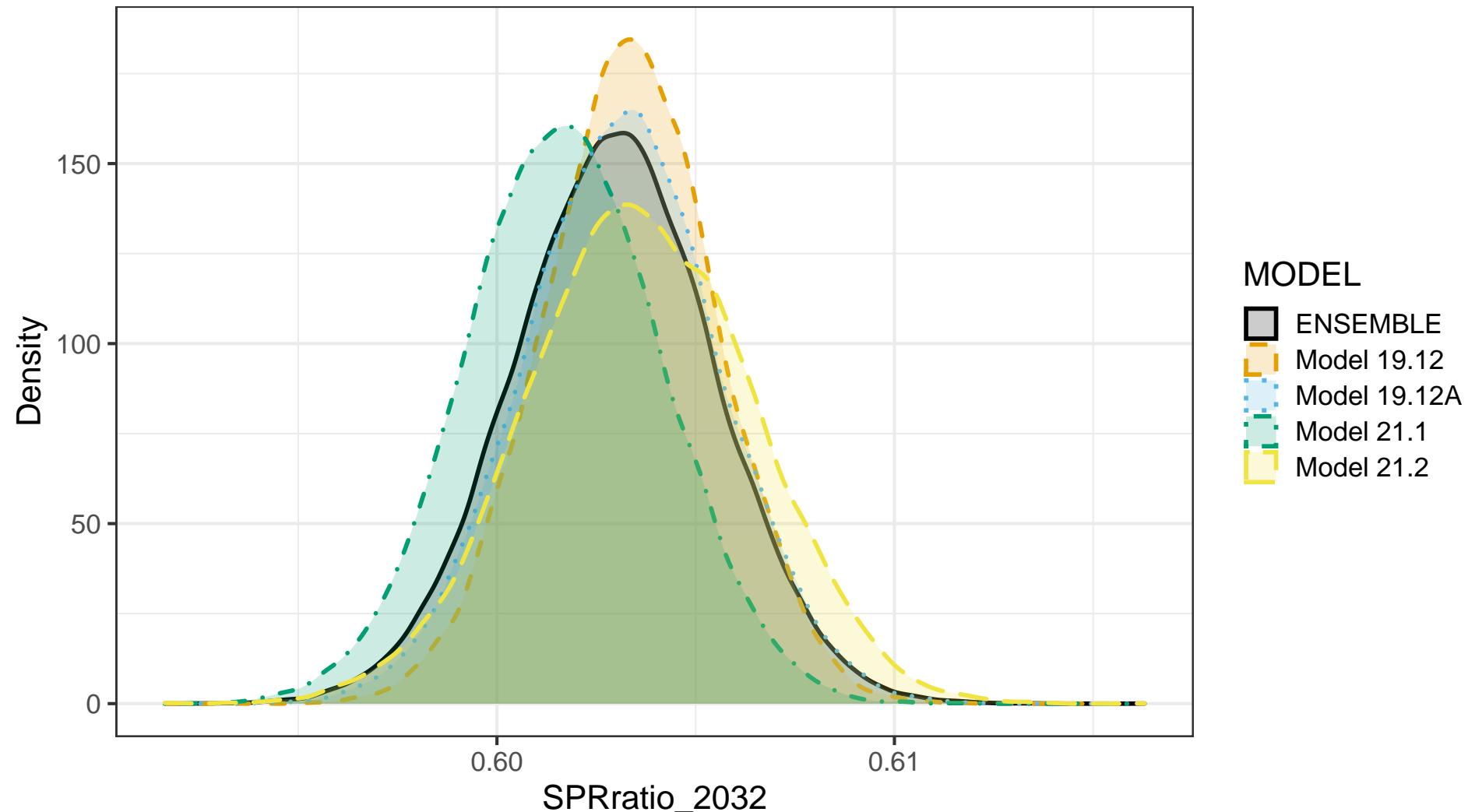
# SPRratio\_2030



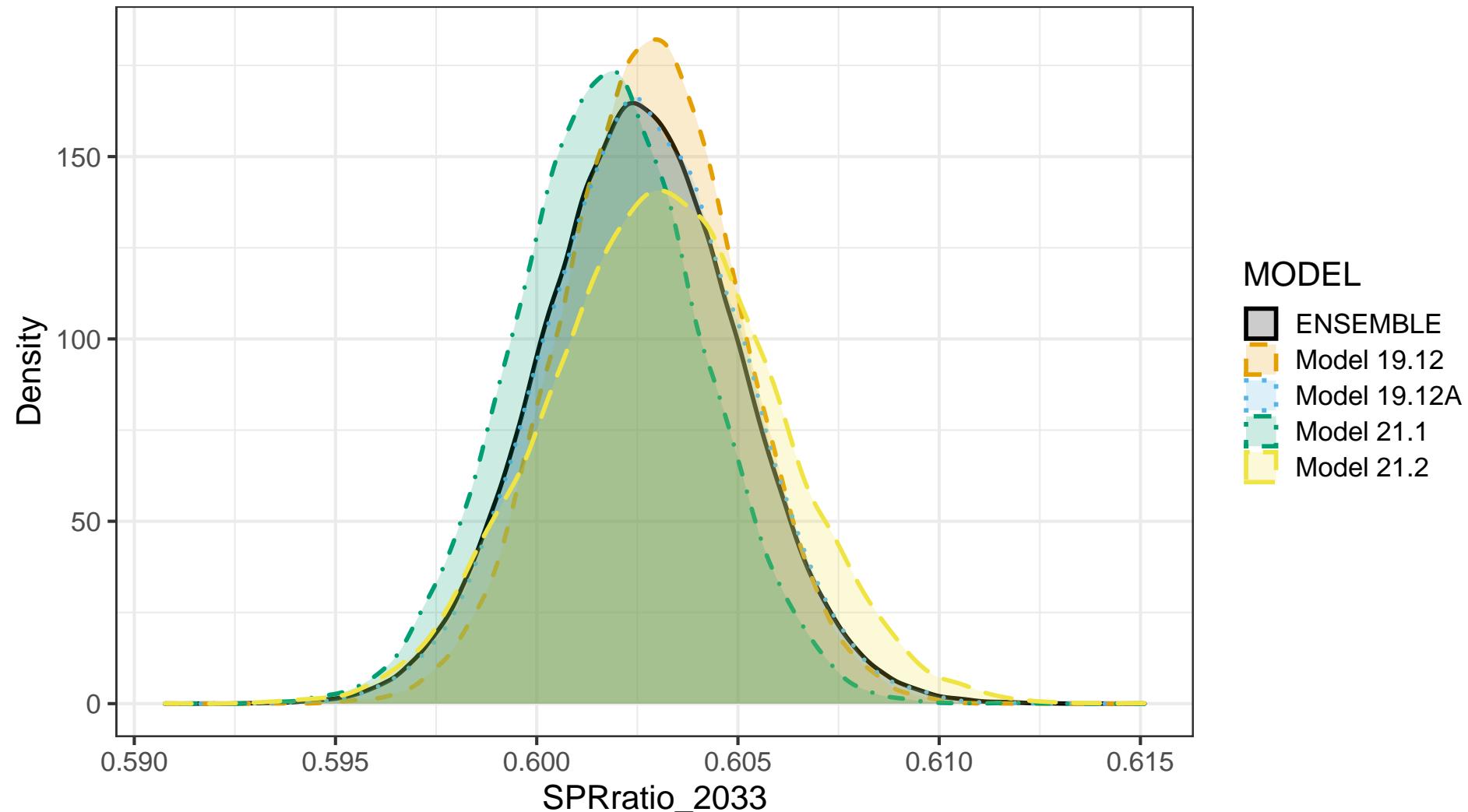
# SPRratio\_2031



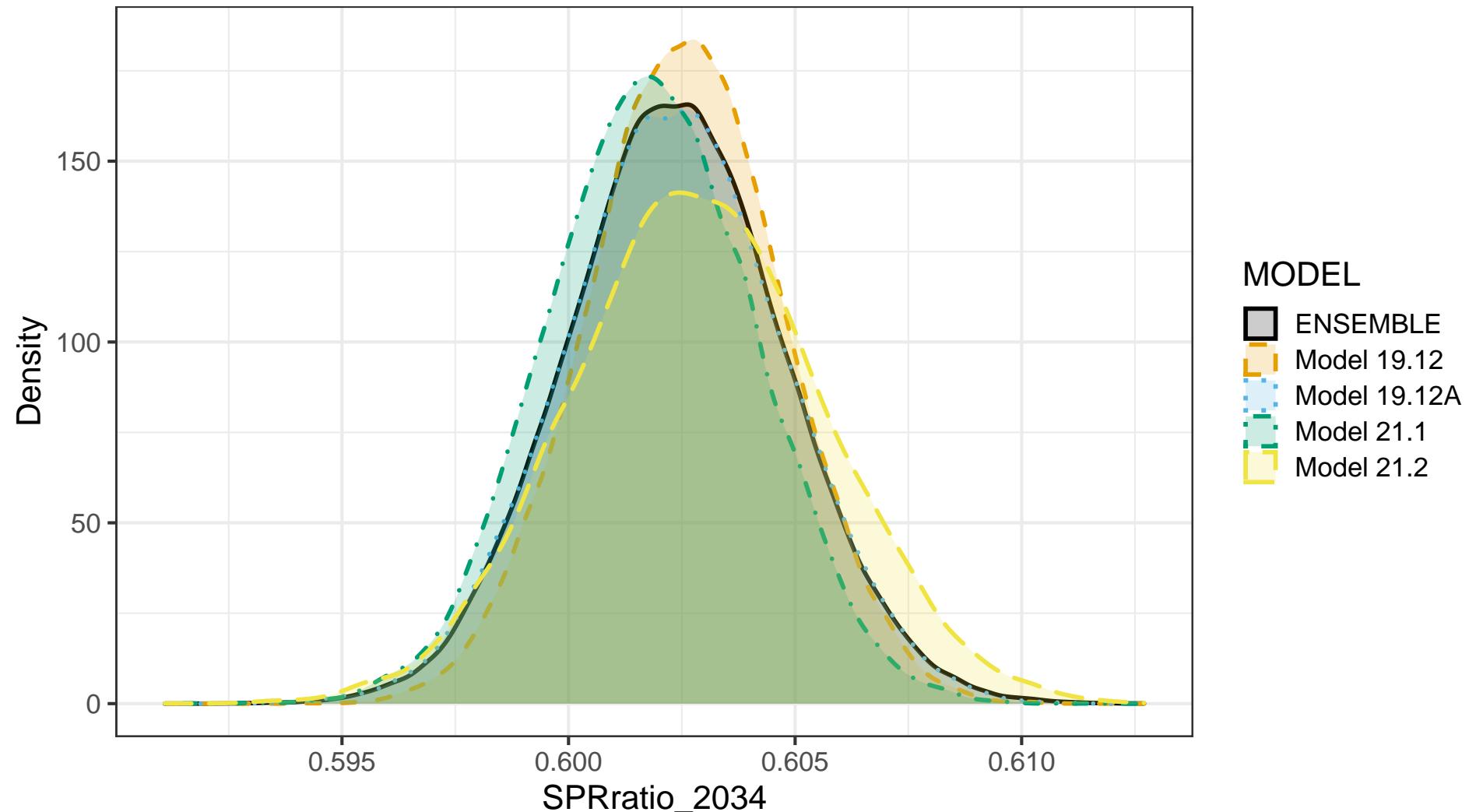
# SPRratio\_2032



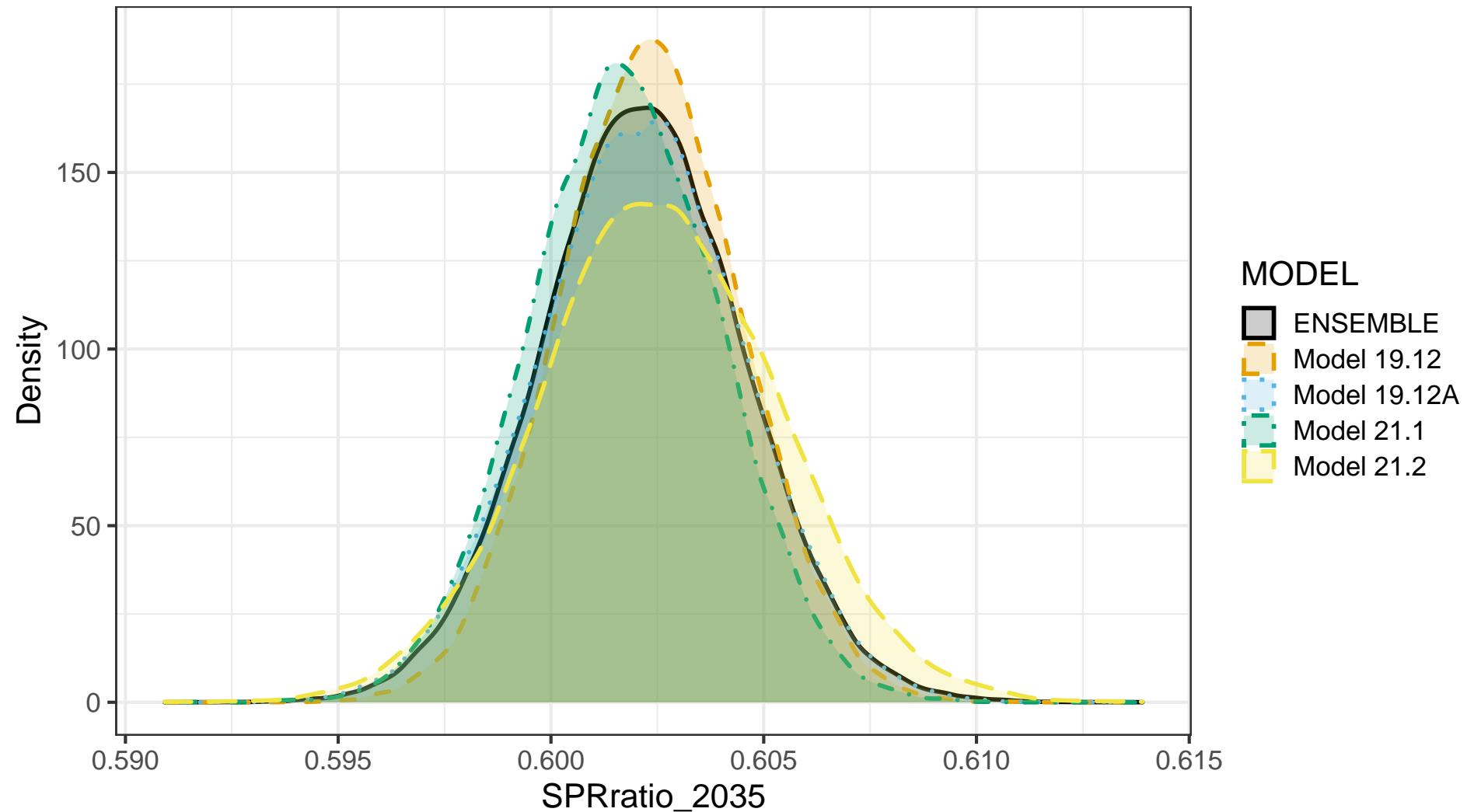
# SPRratio\_2033



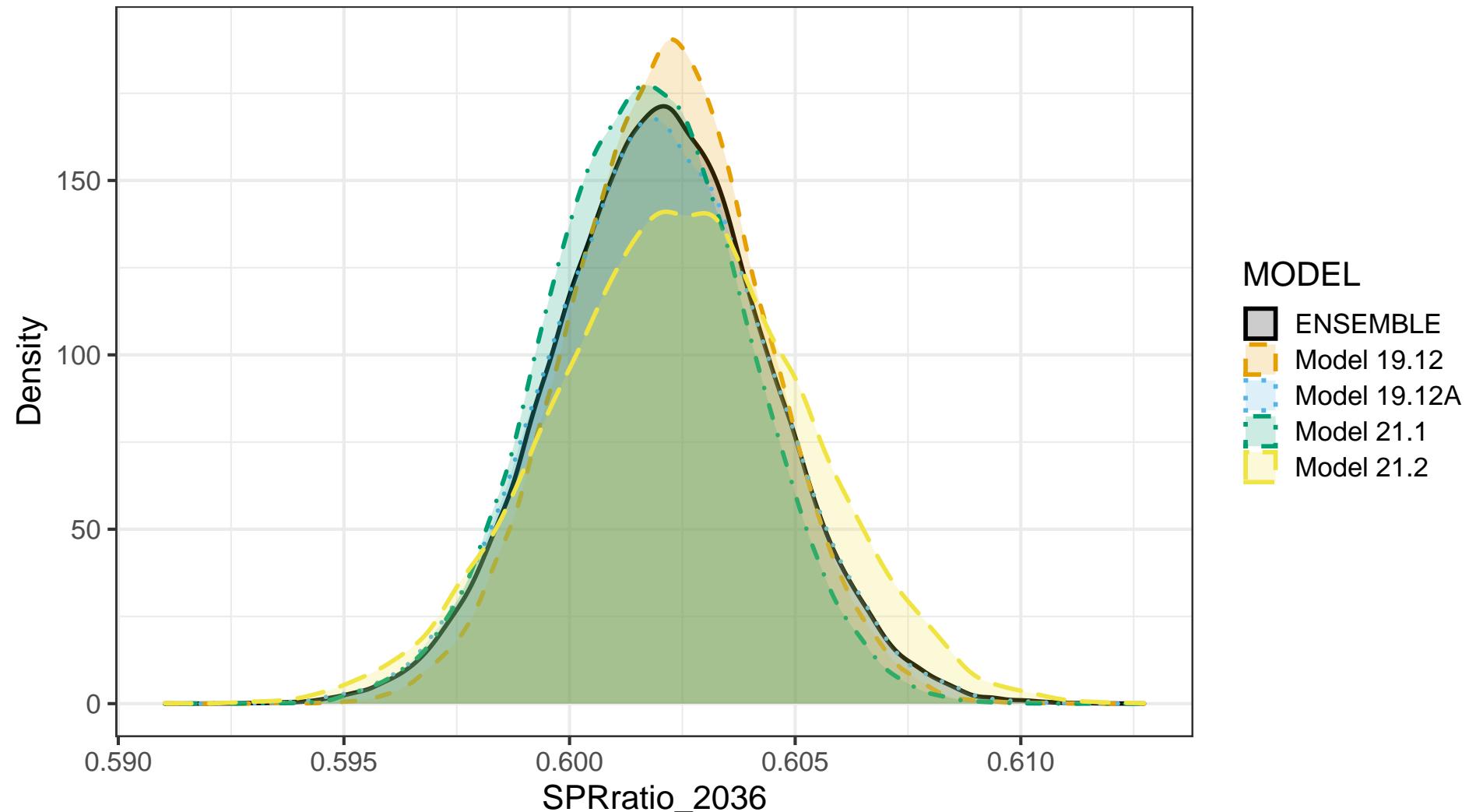
# SPRratio\_2034



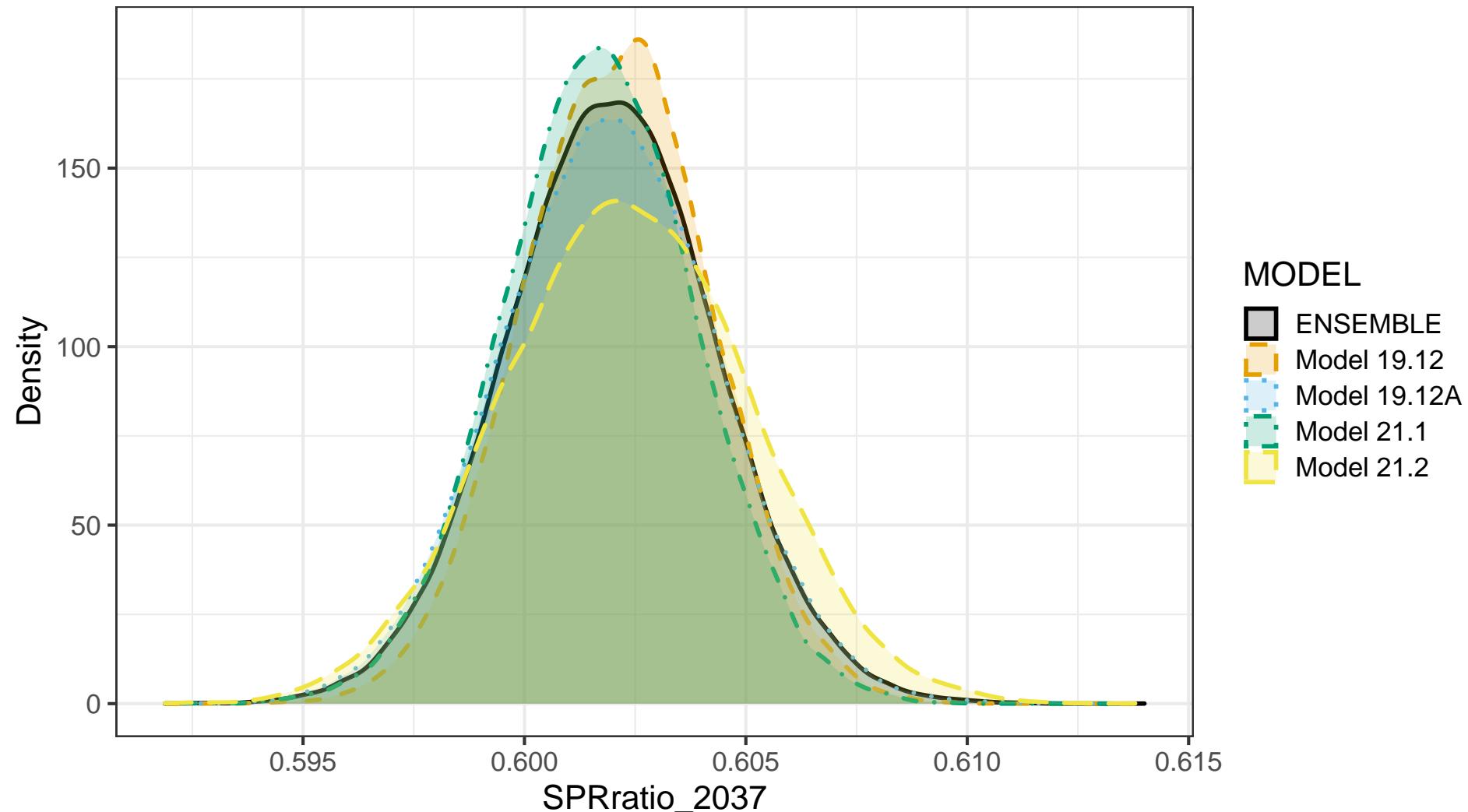
# SPRratio\_2035



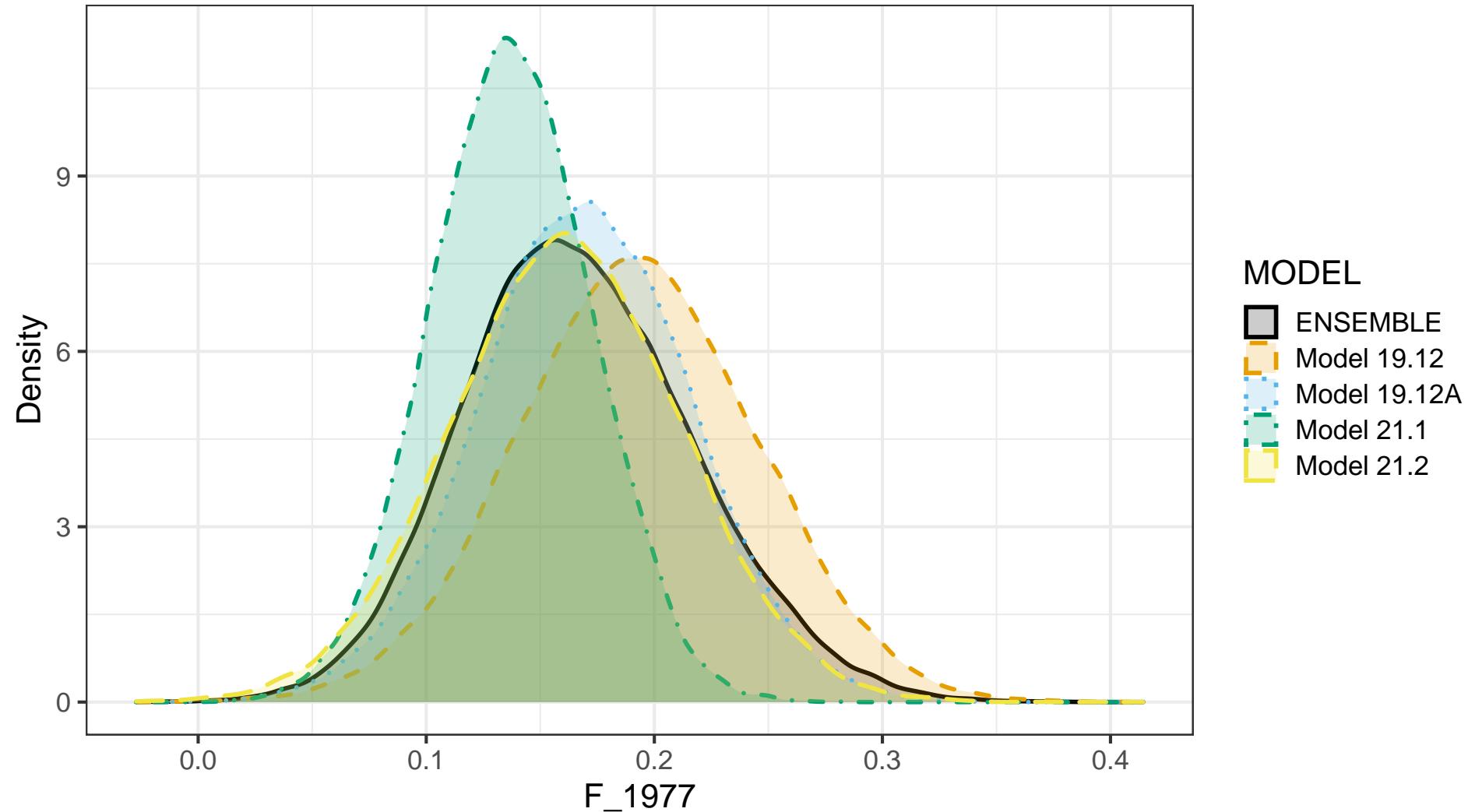
# SPRratio\_2036



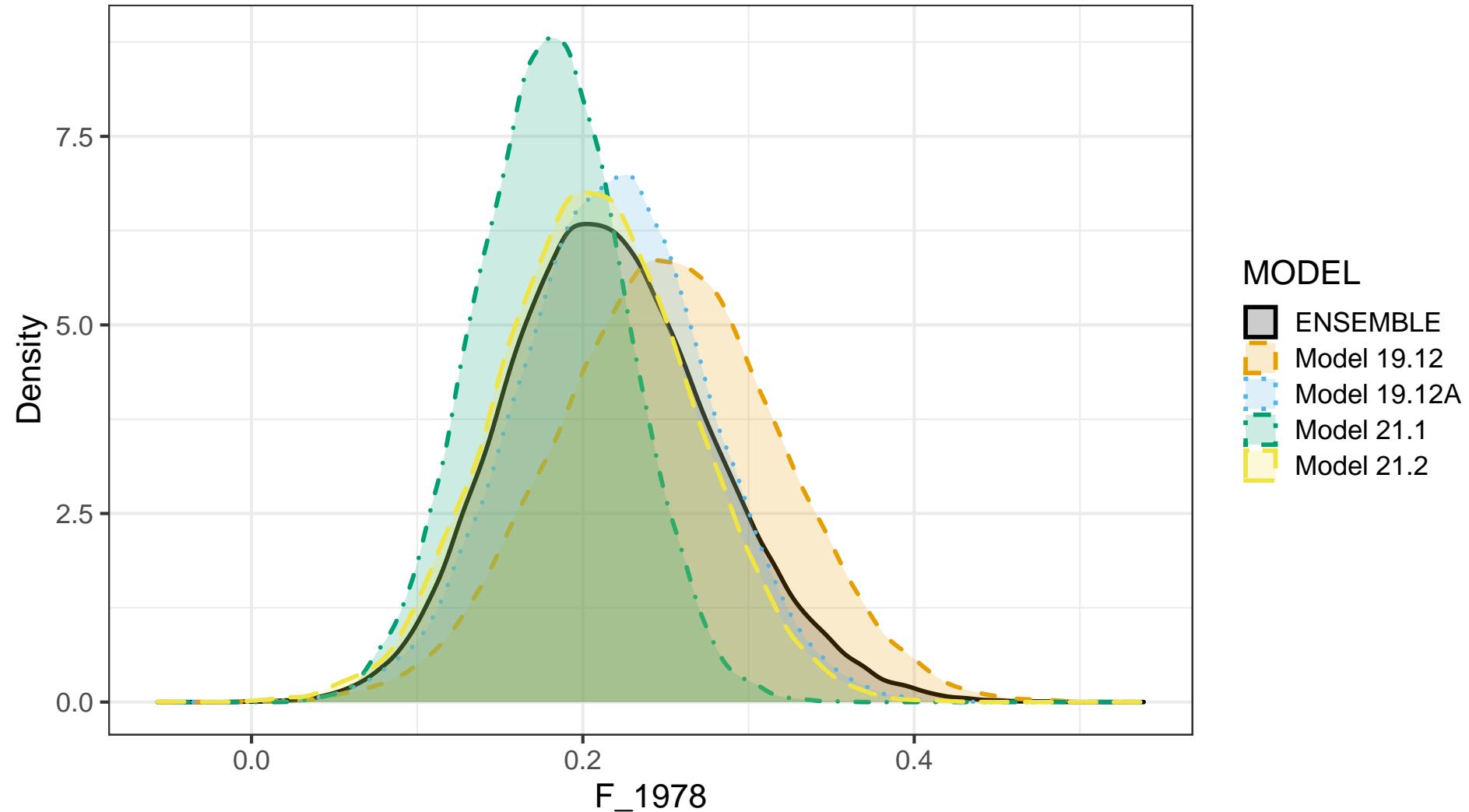
# SPRratio\_2037



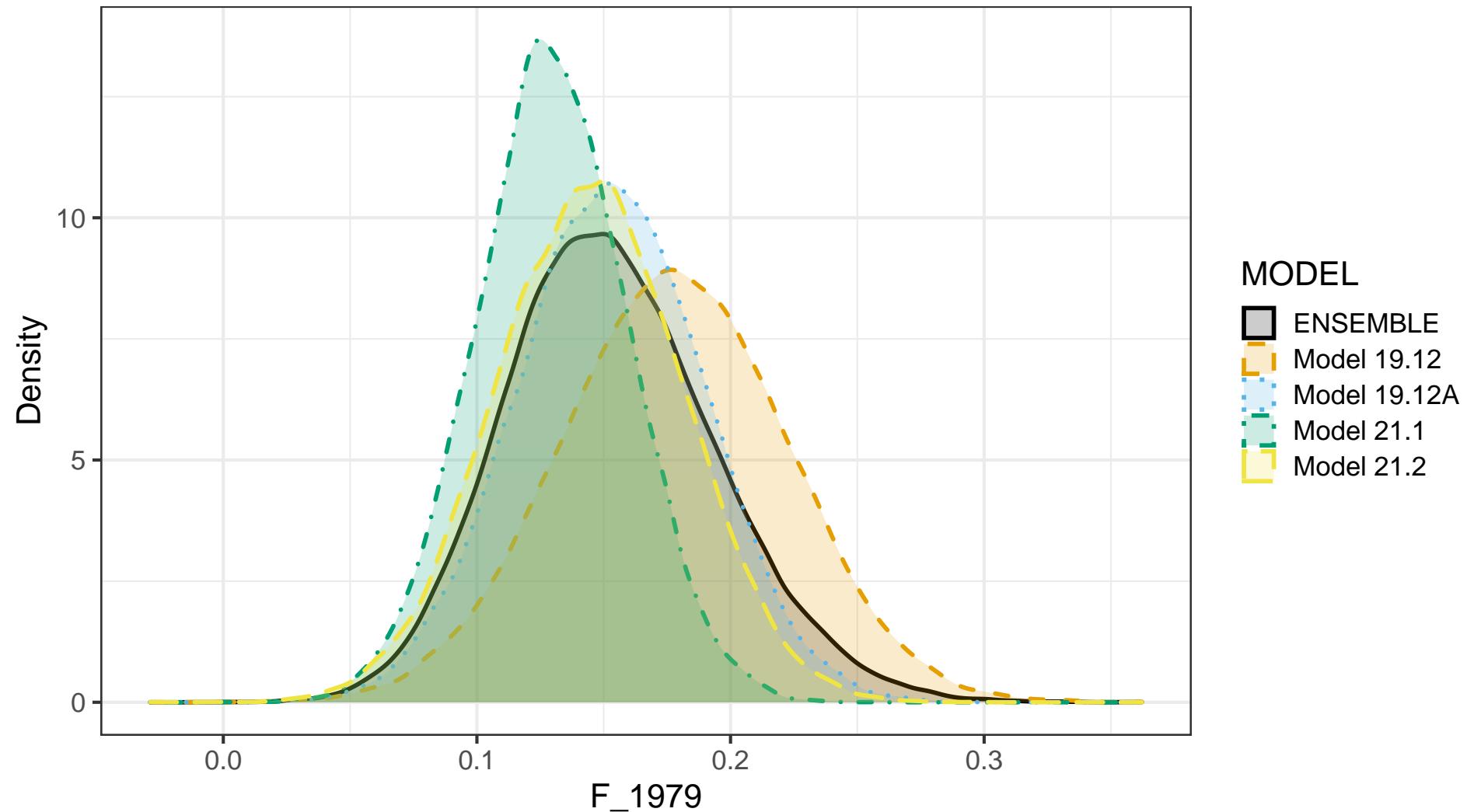
F\_1977



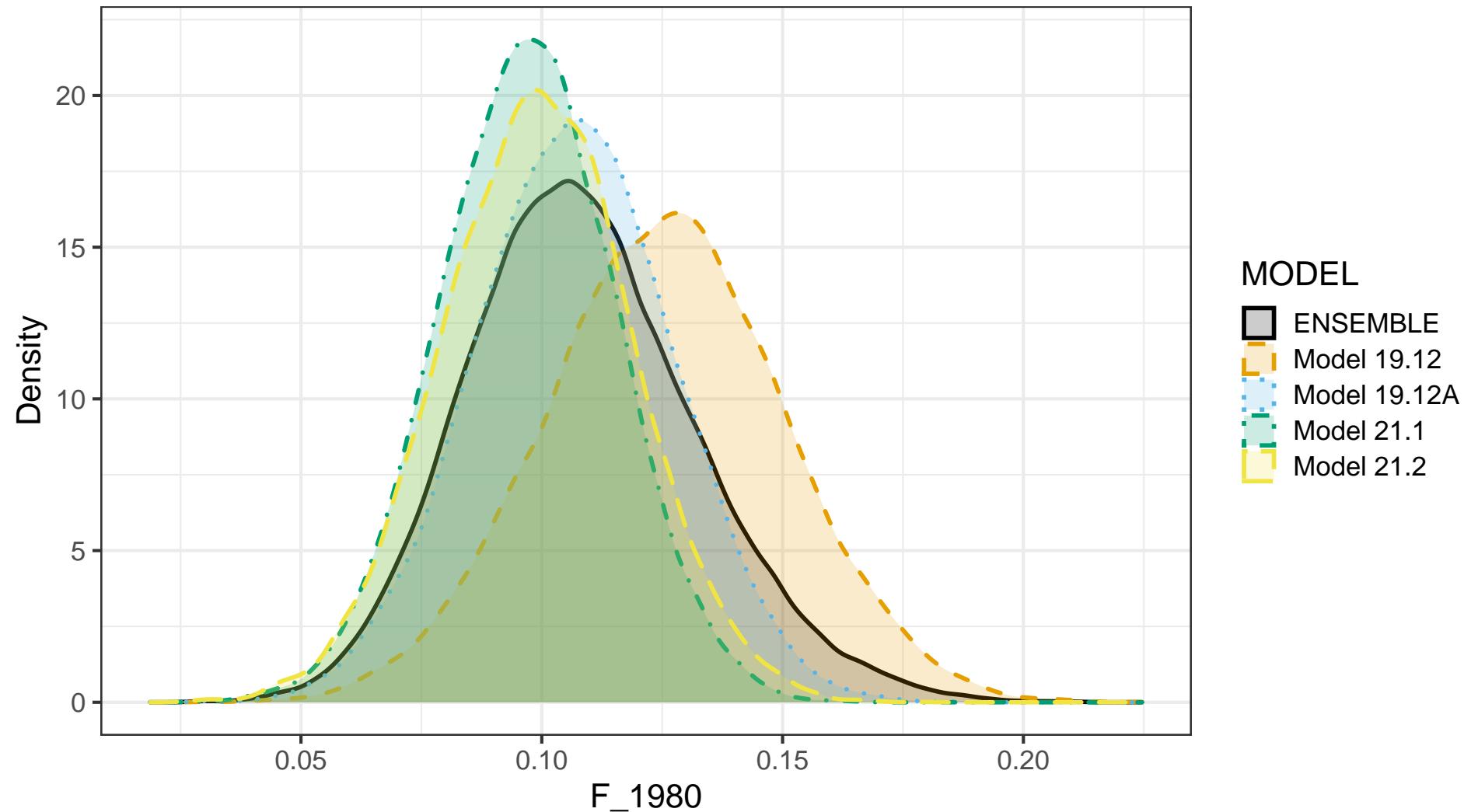
F\_1978



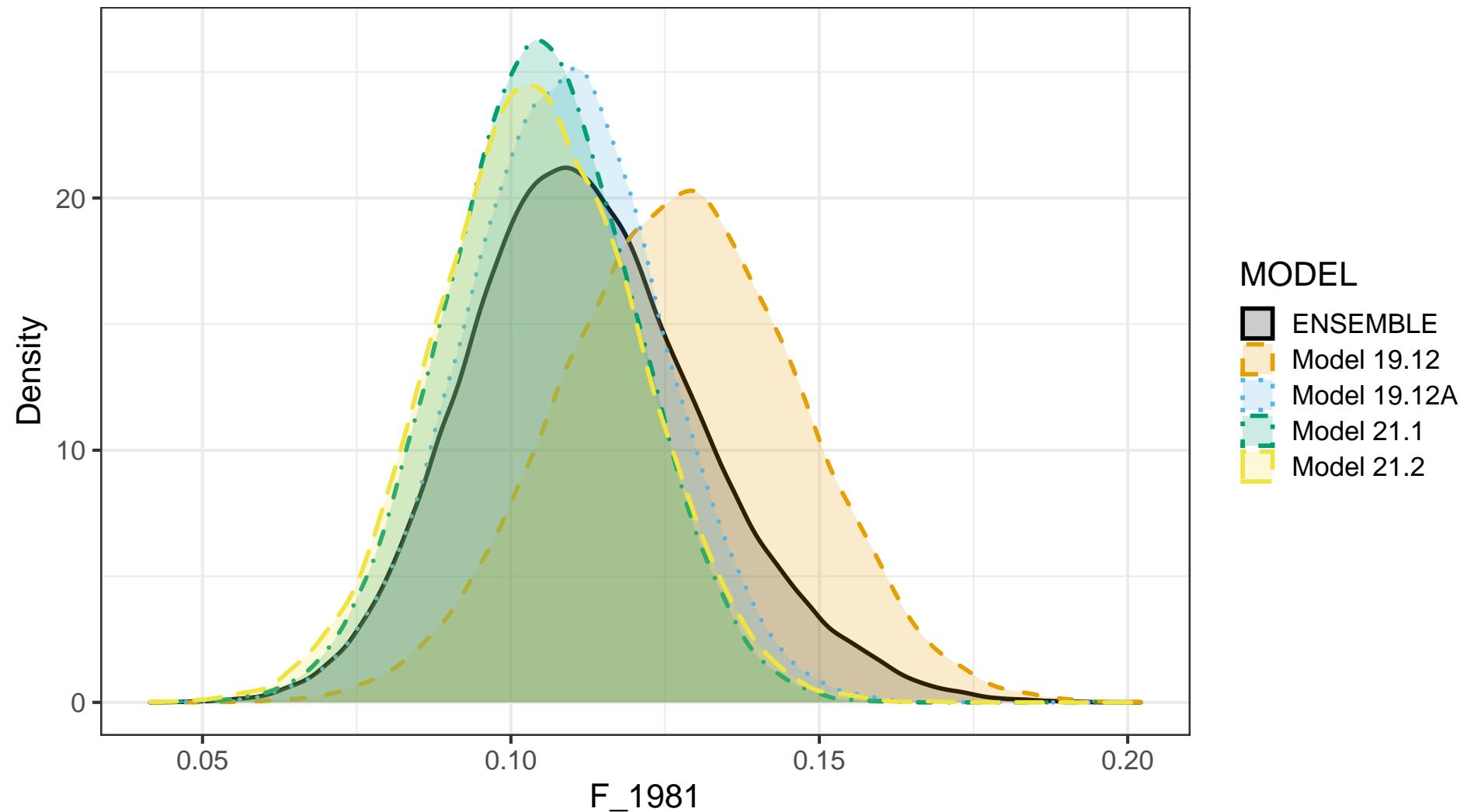
F\_1979



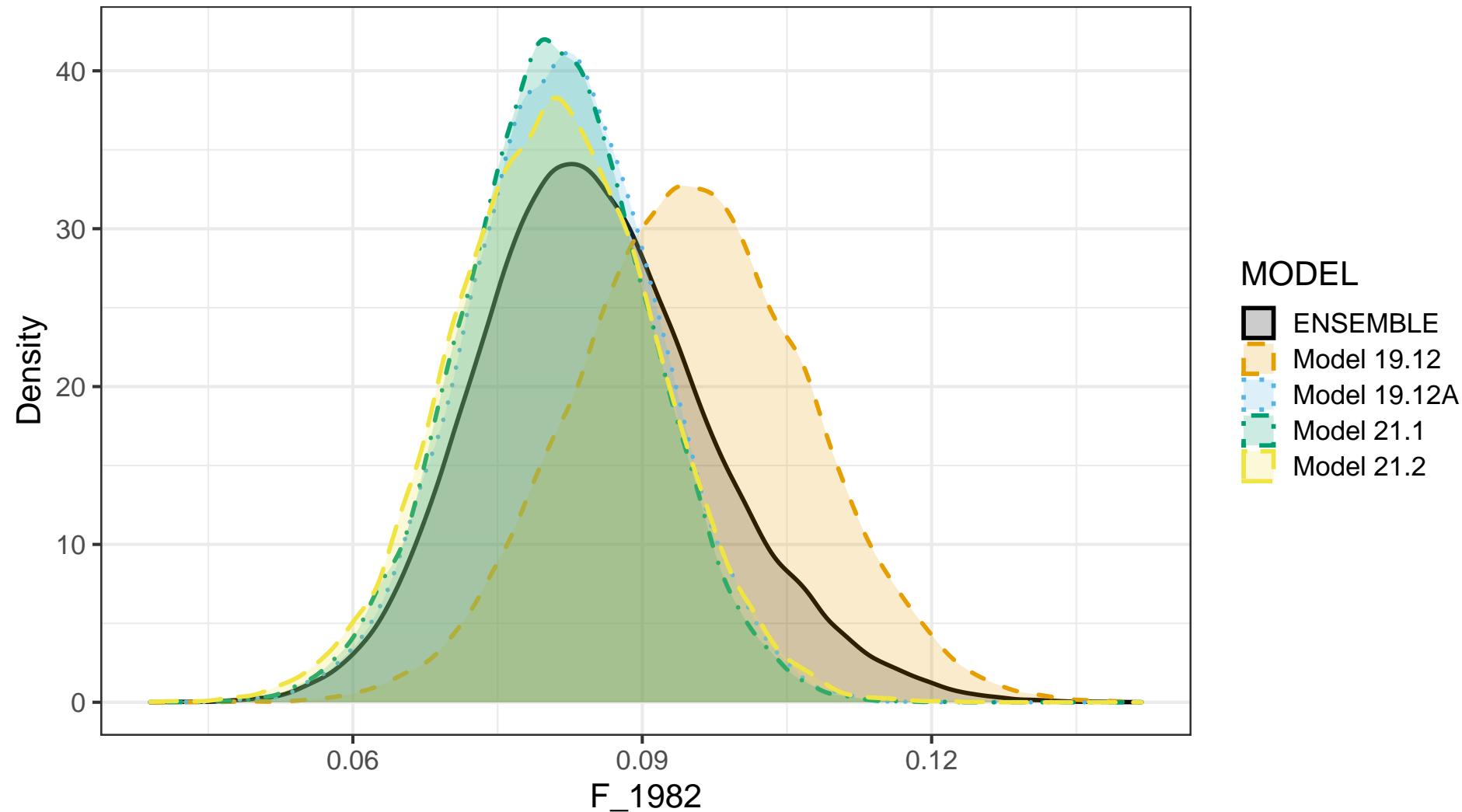
F\_1980



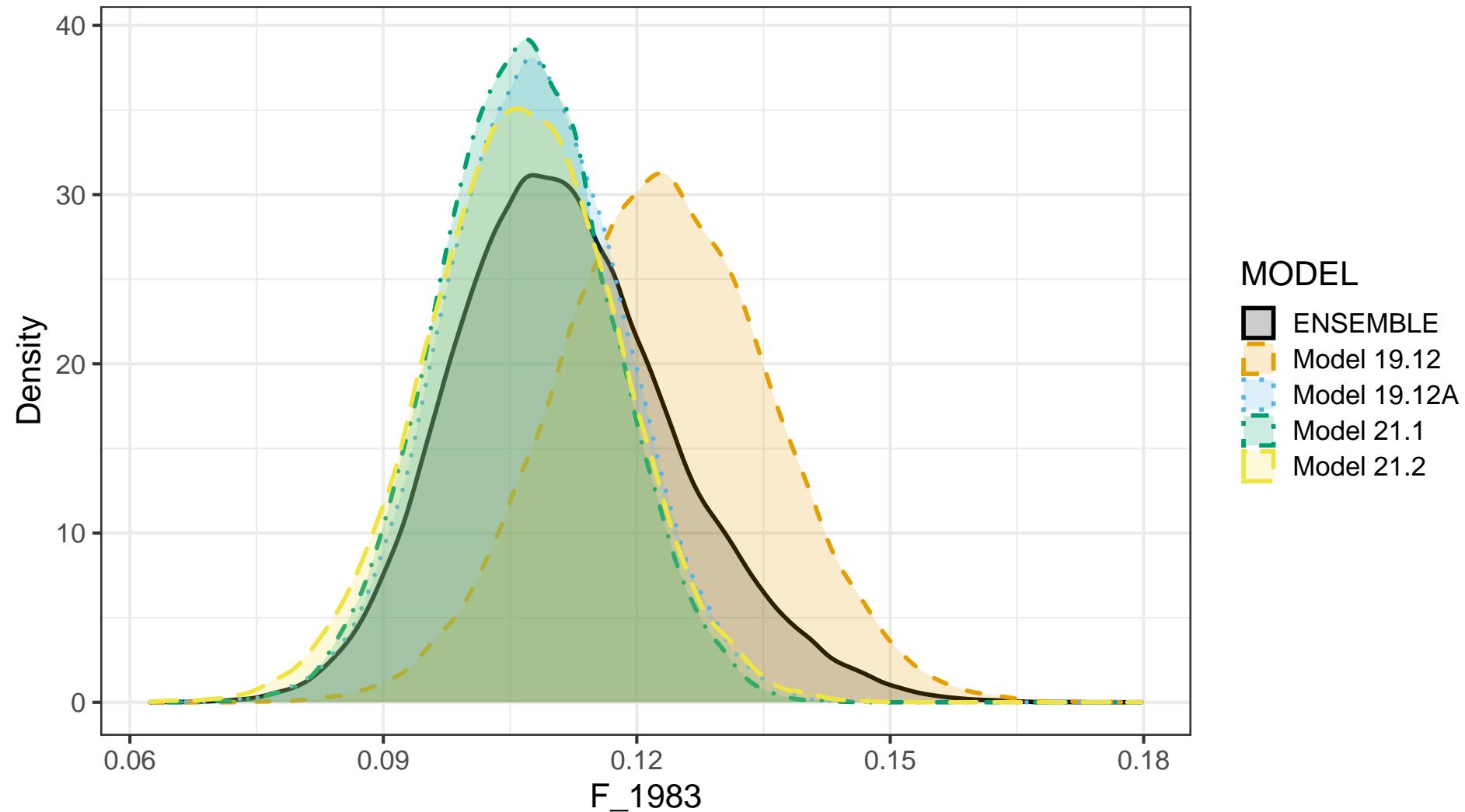
F\_1981



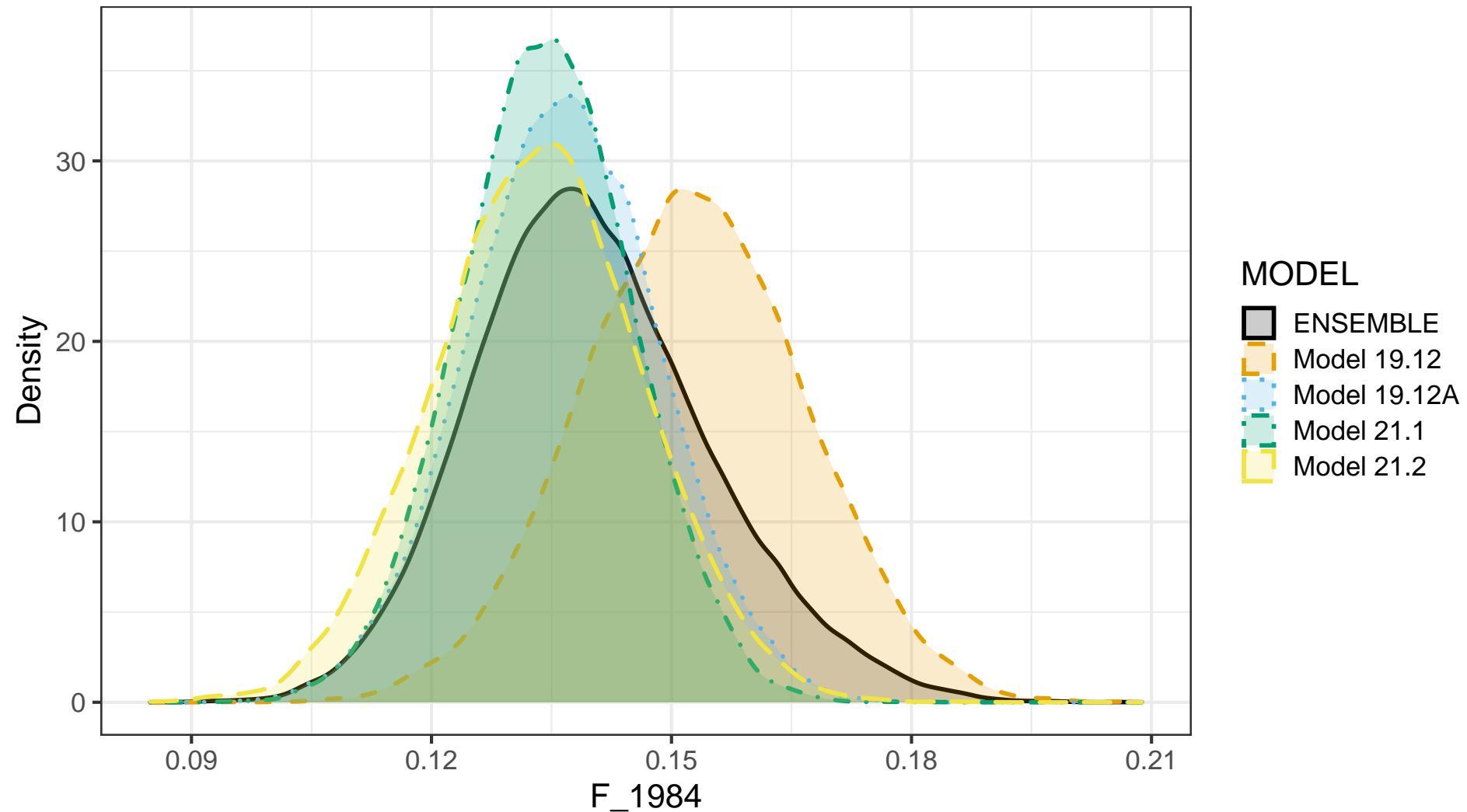
# F\_1982



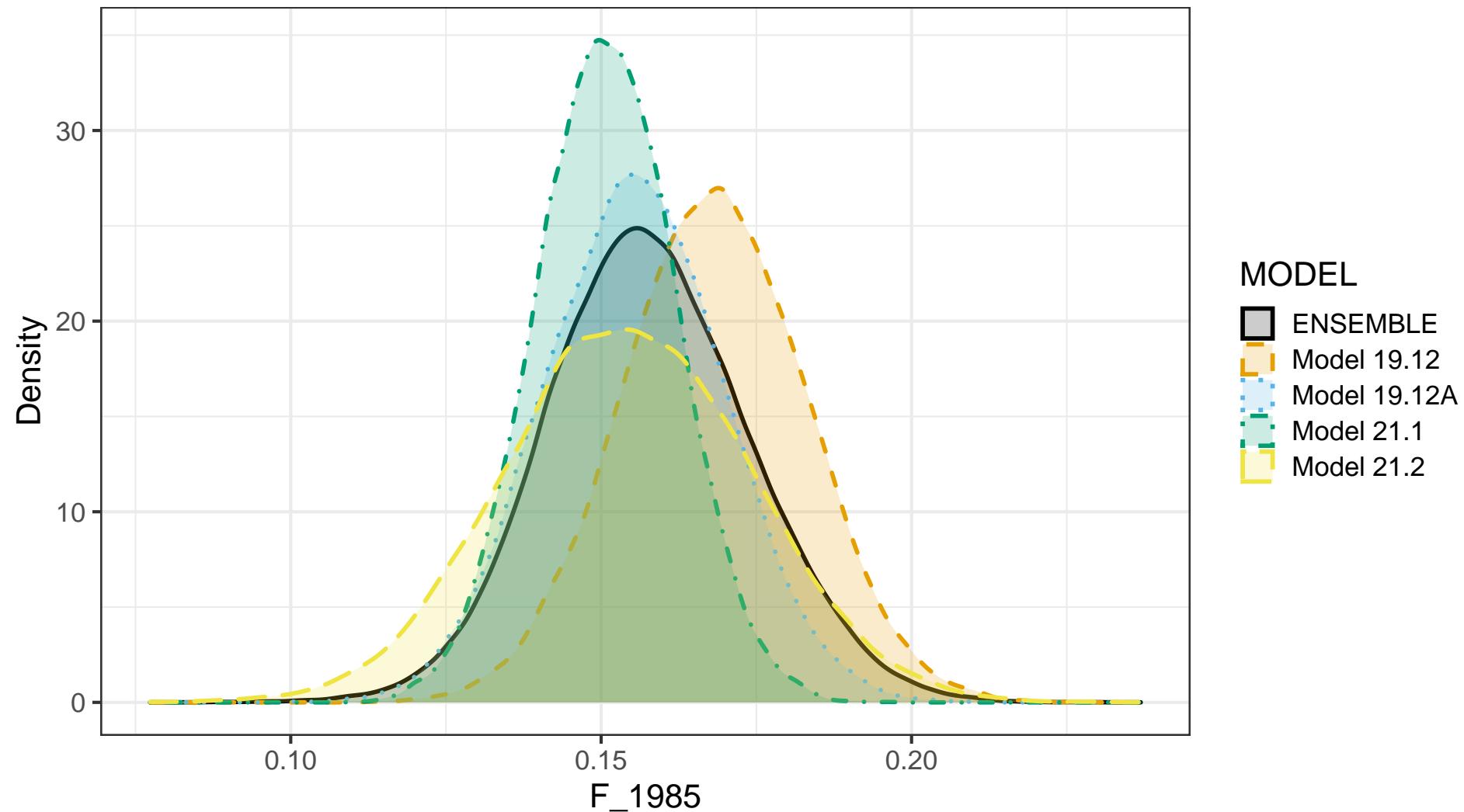
F\_1983



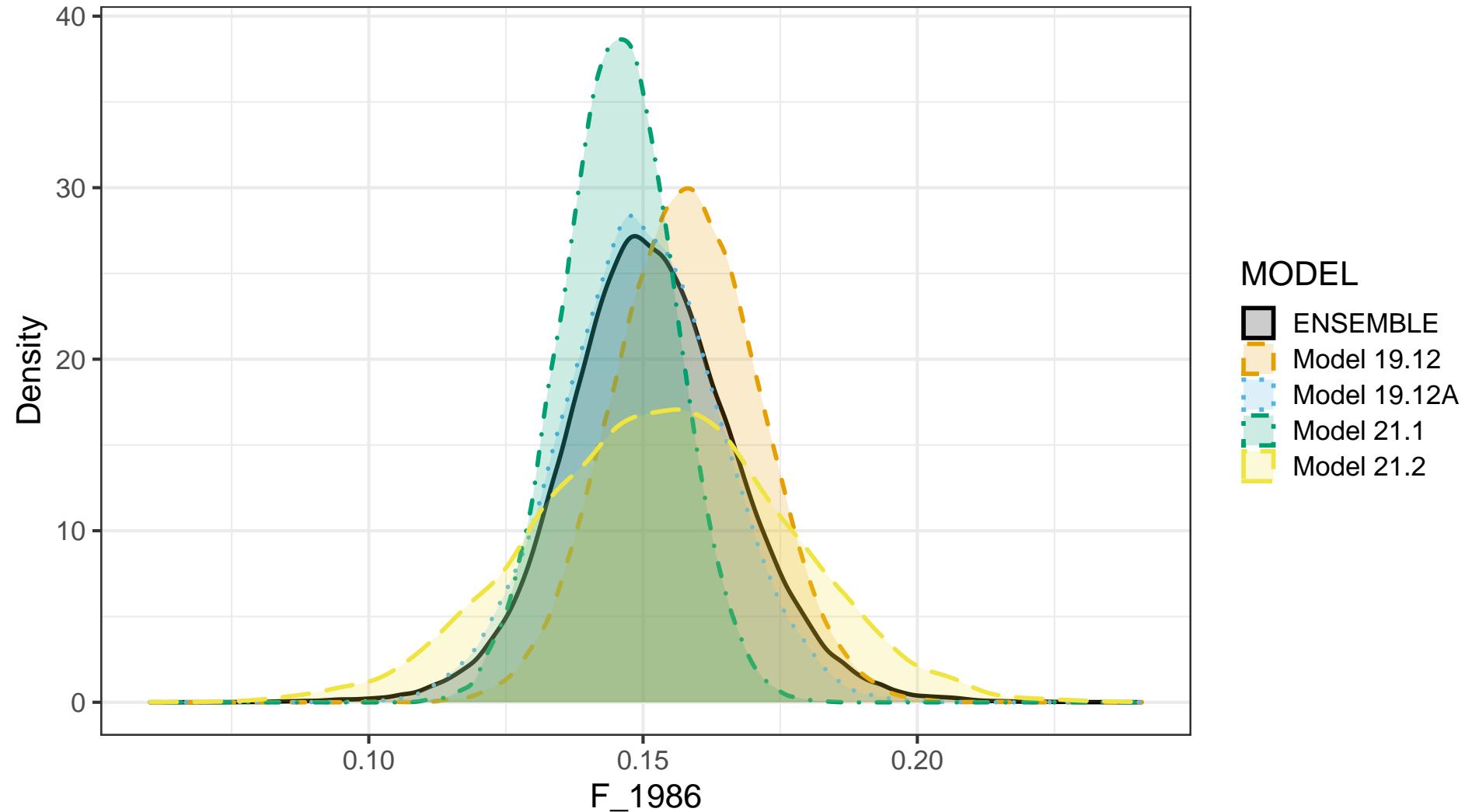
# F\_1984



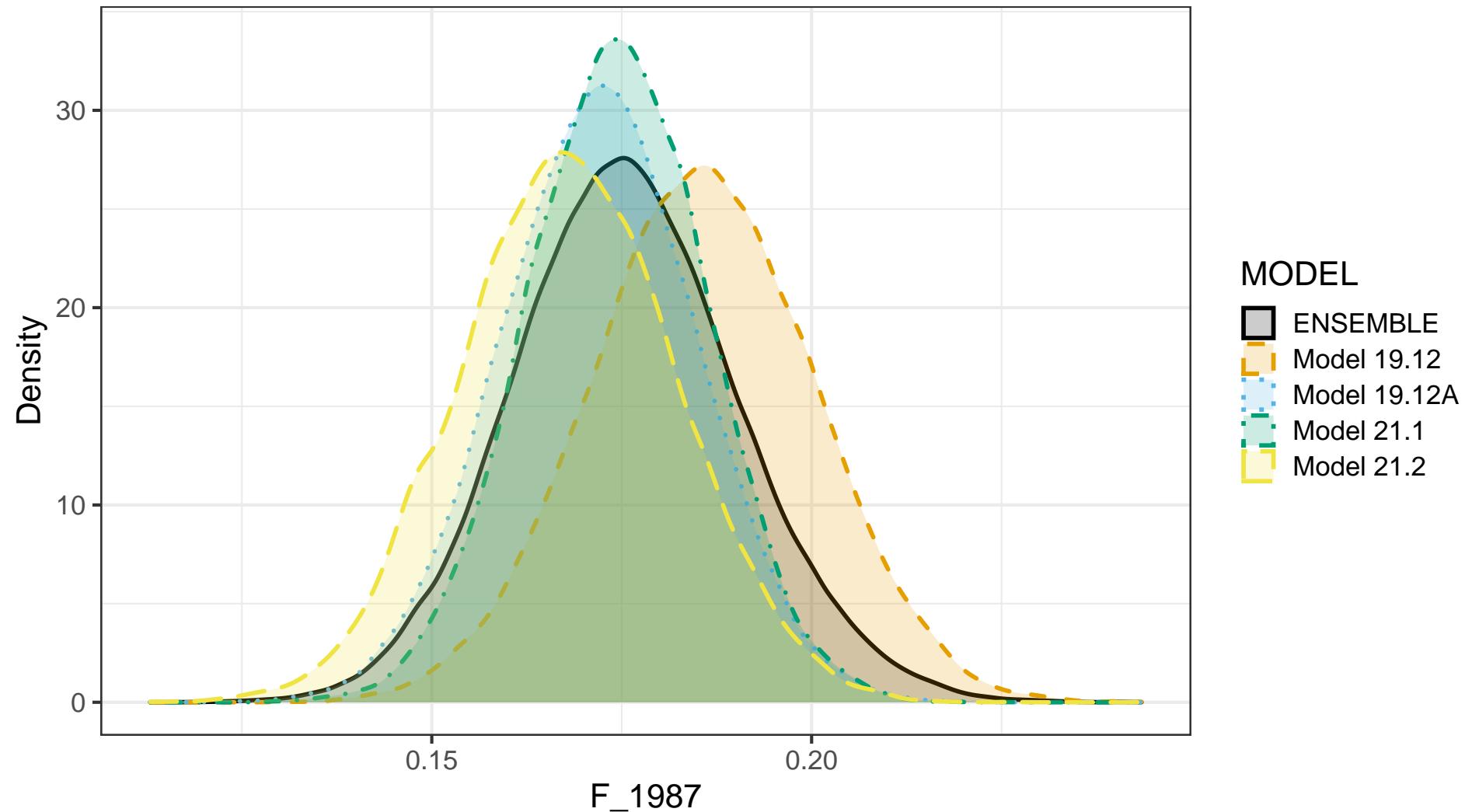
# F\_1985



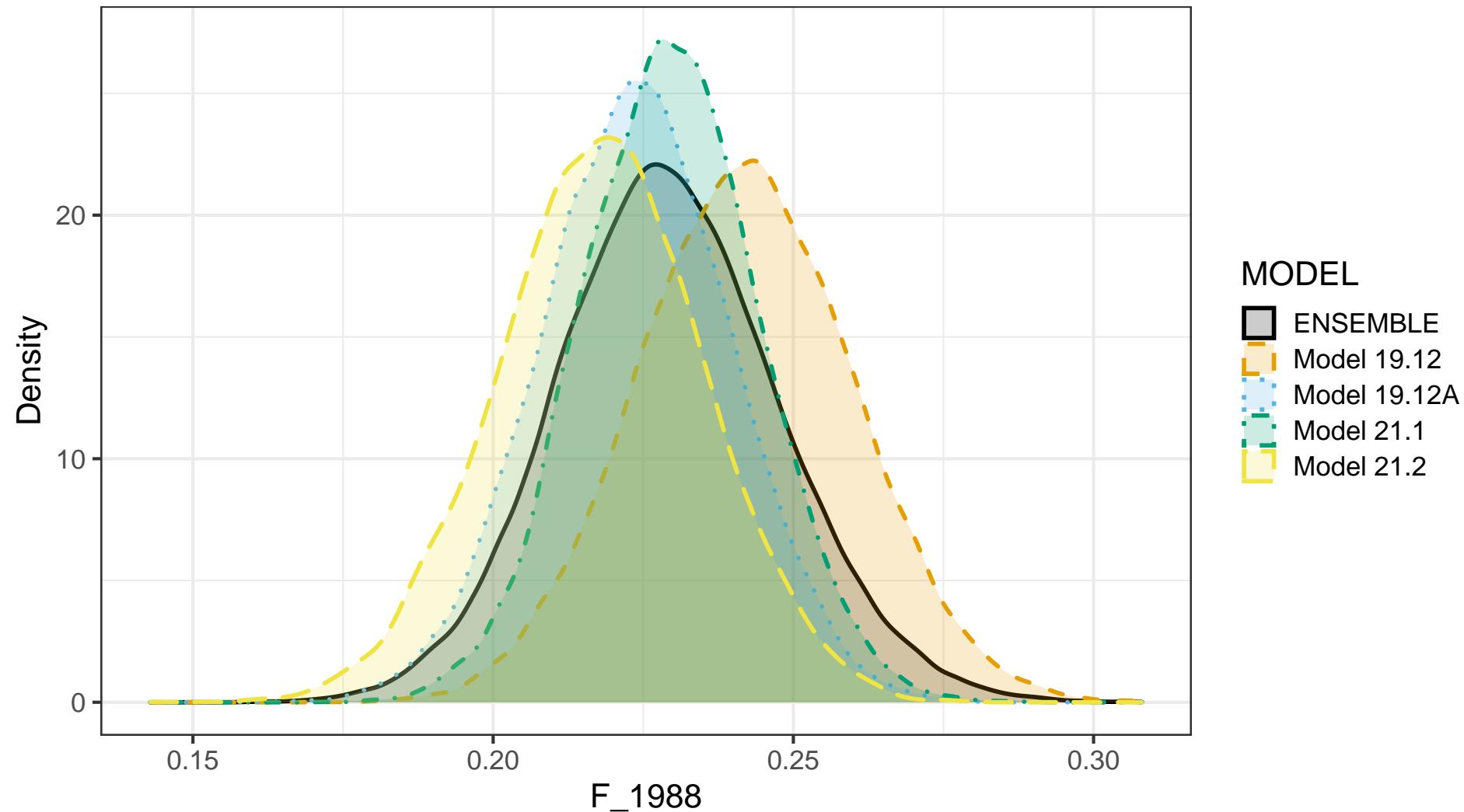
F\_1986



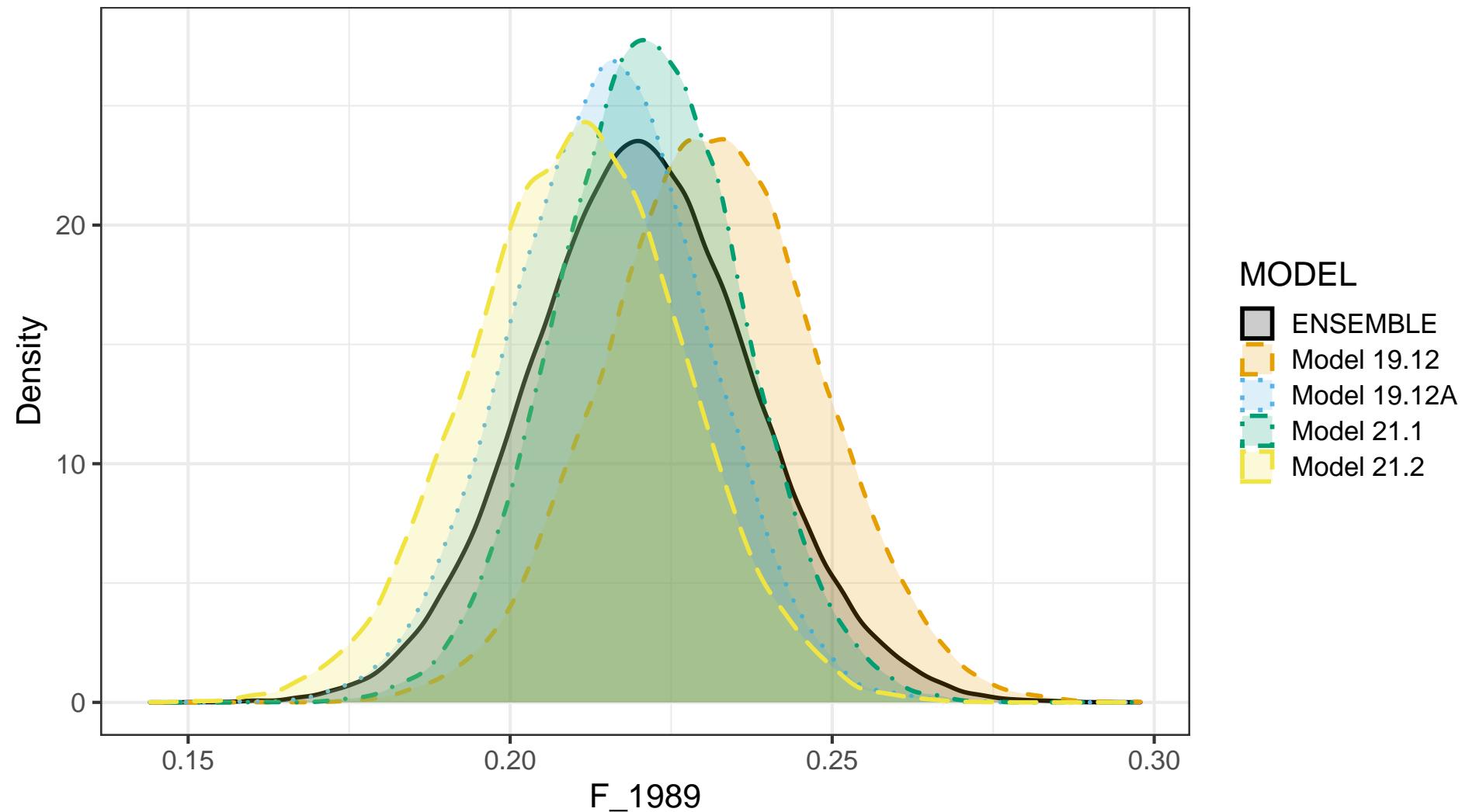
F\_1987



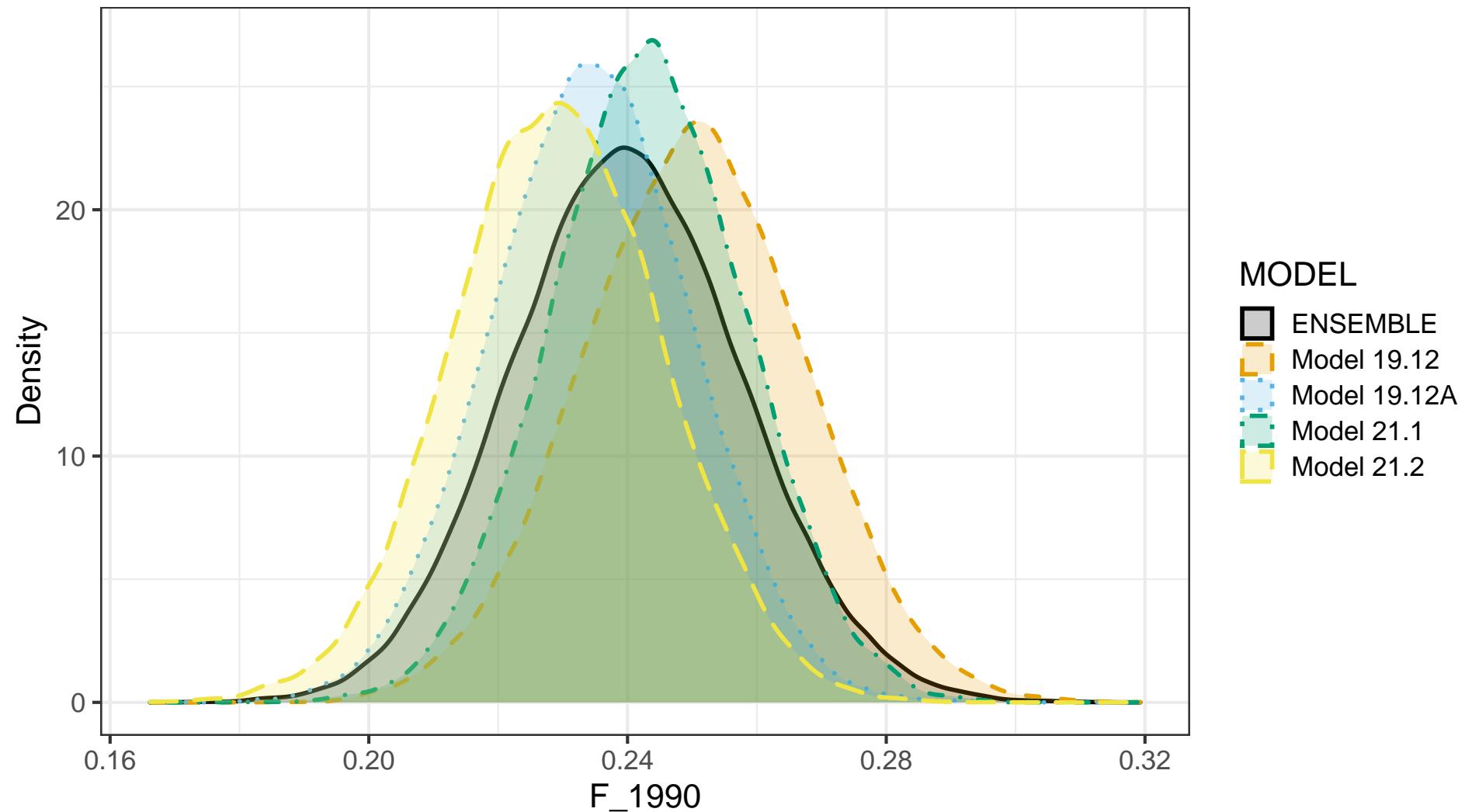
F\_1988



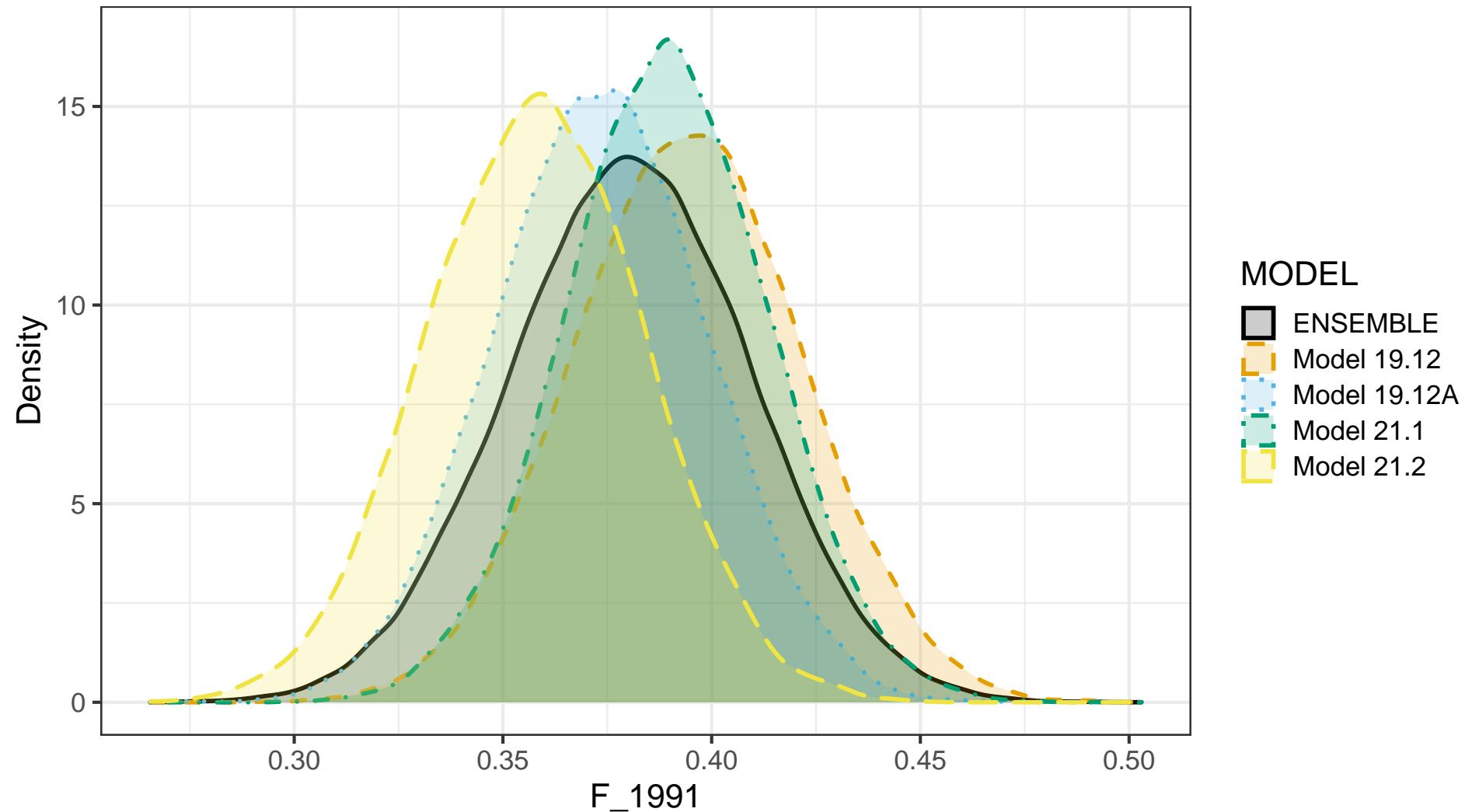
F\_1989



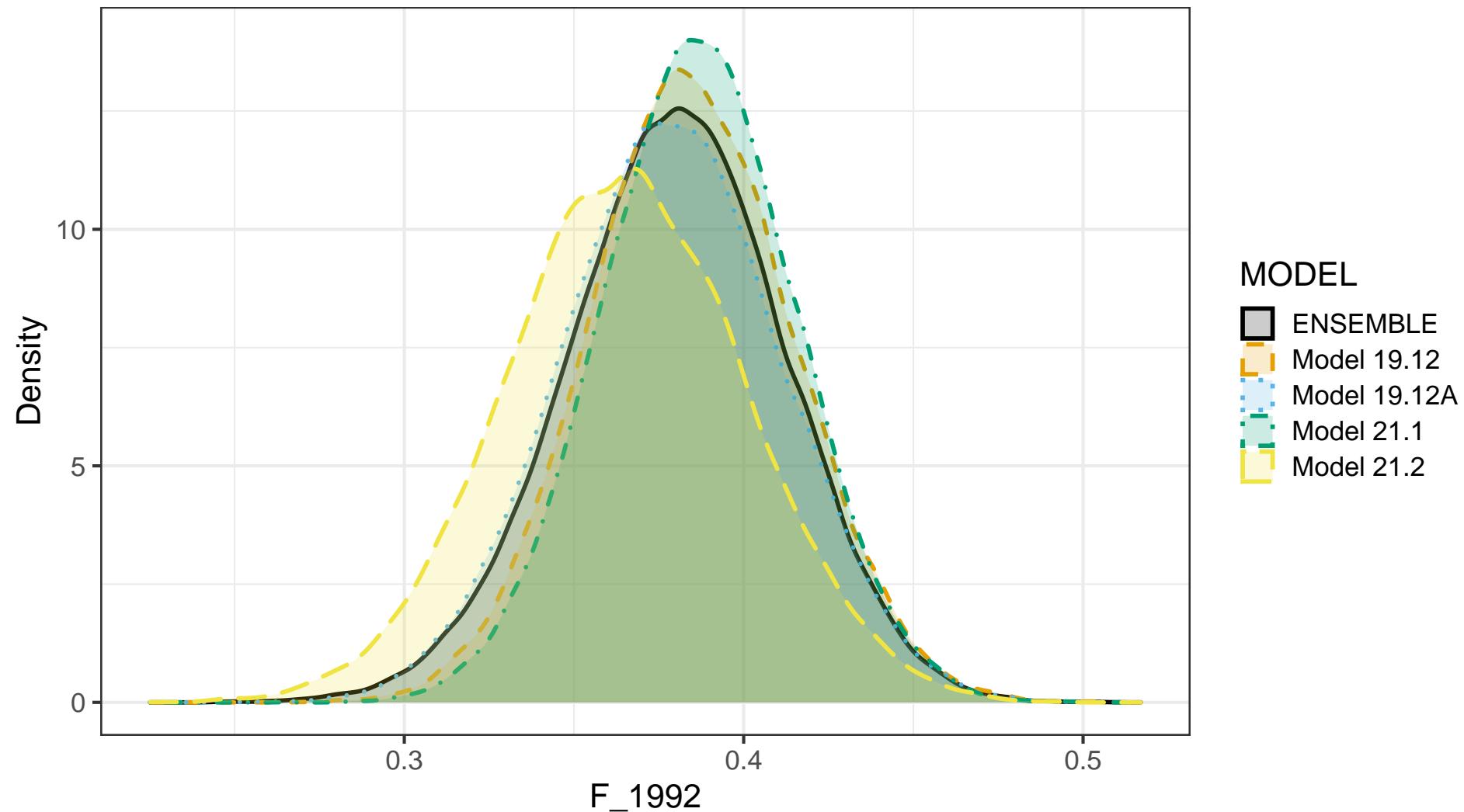
F\_1990



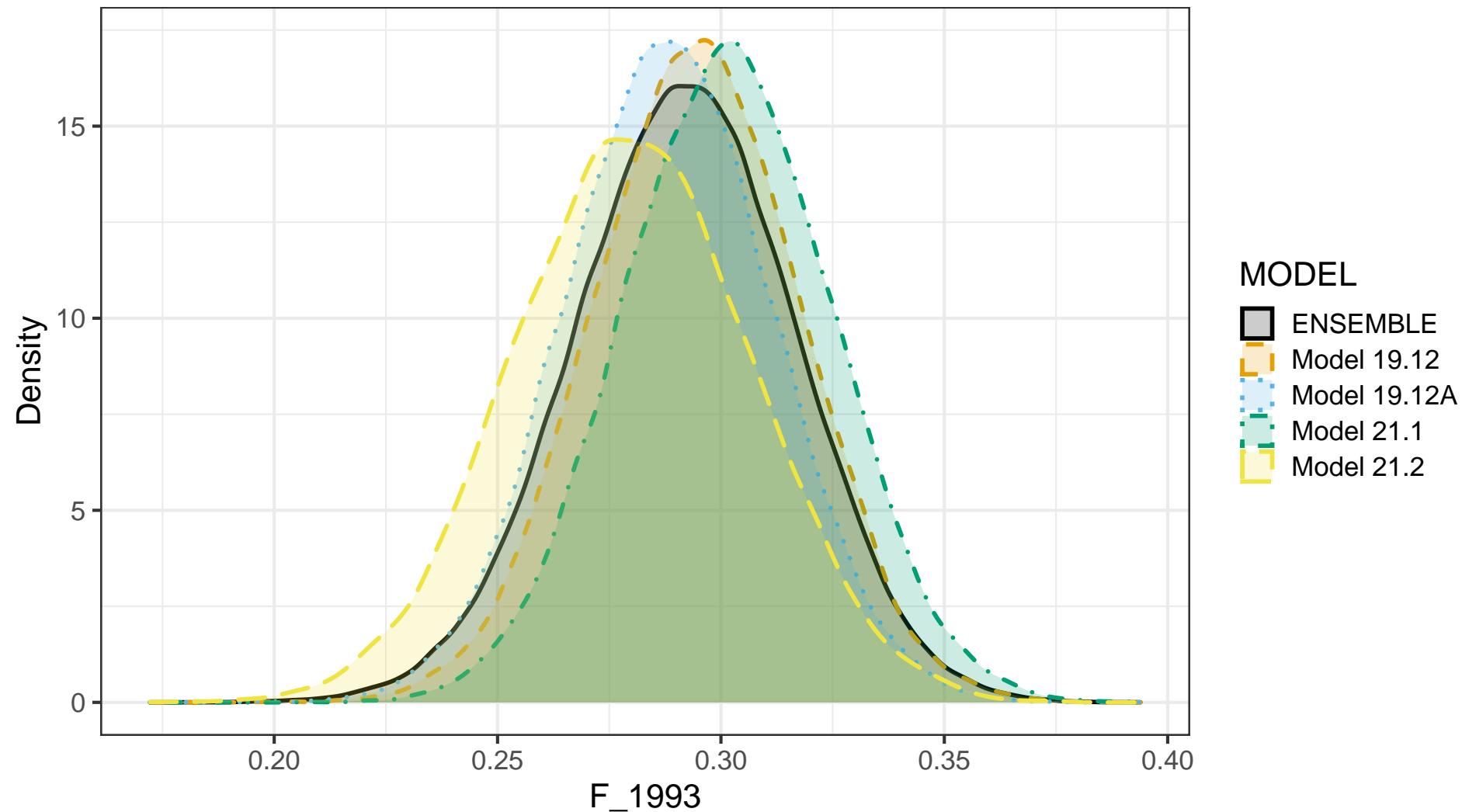
F\_1991



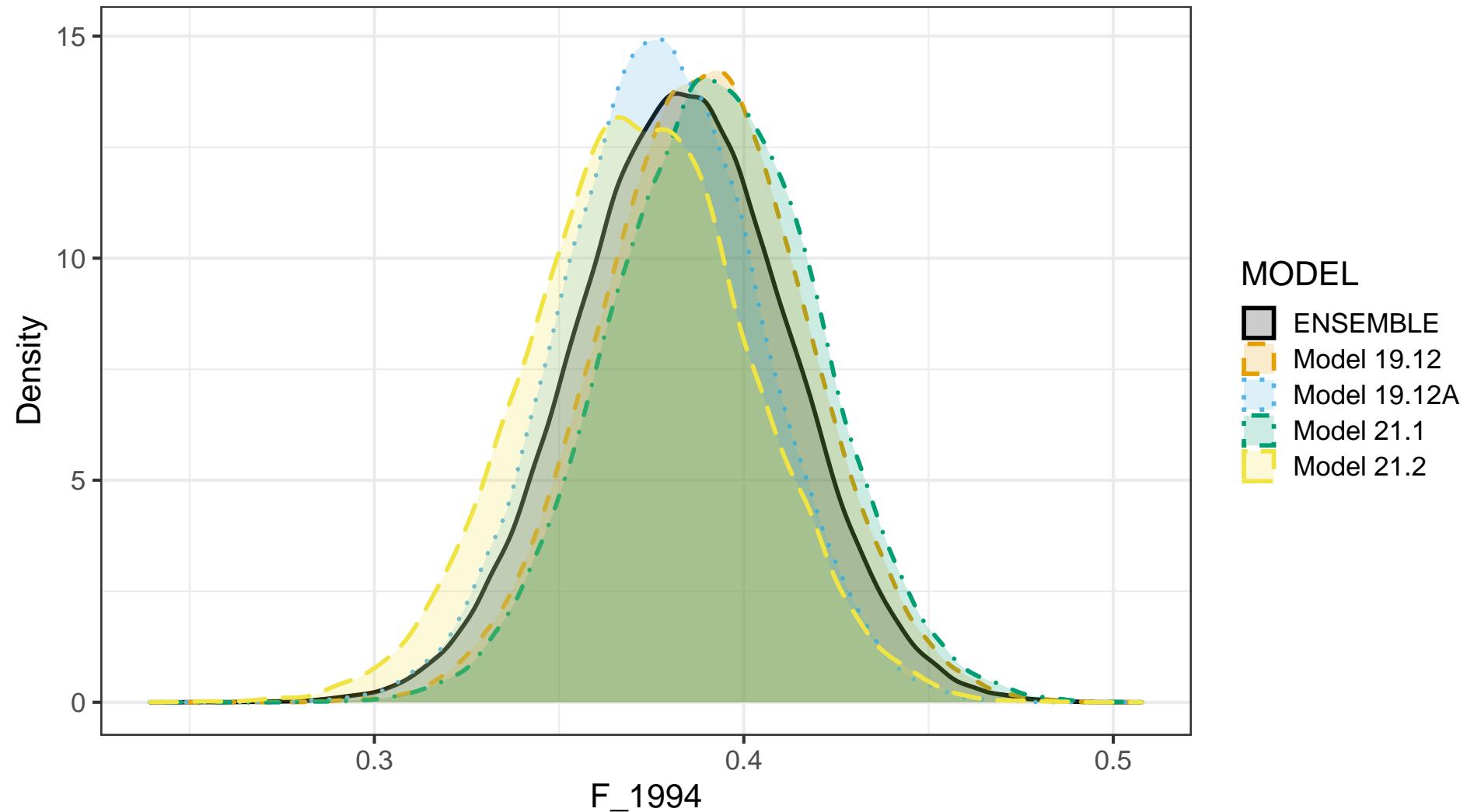
F\_1992



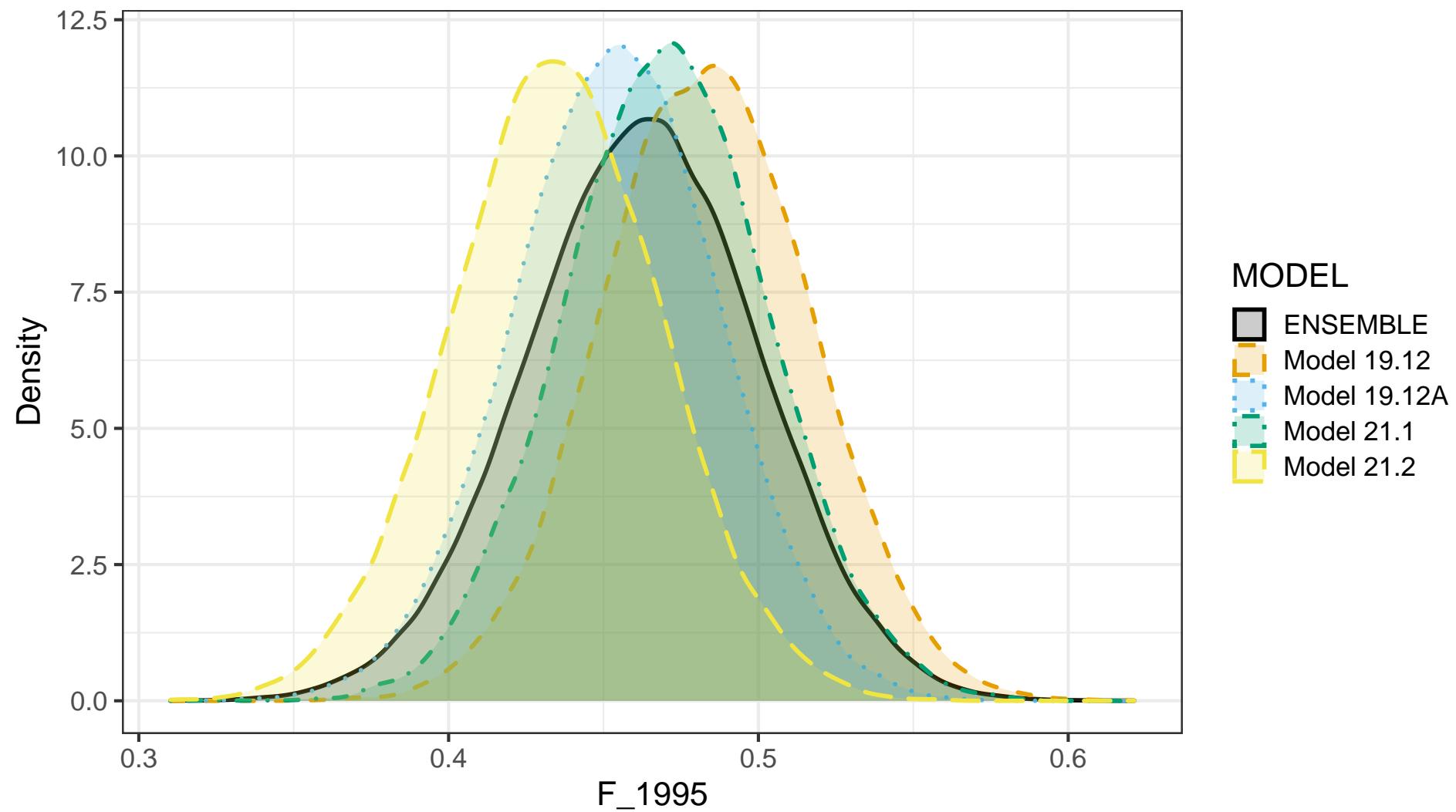
# F\_1993



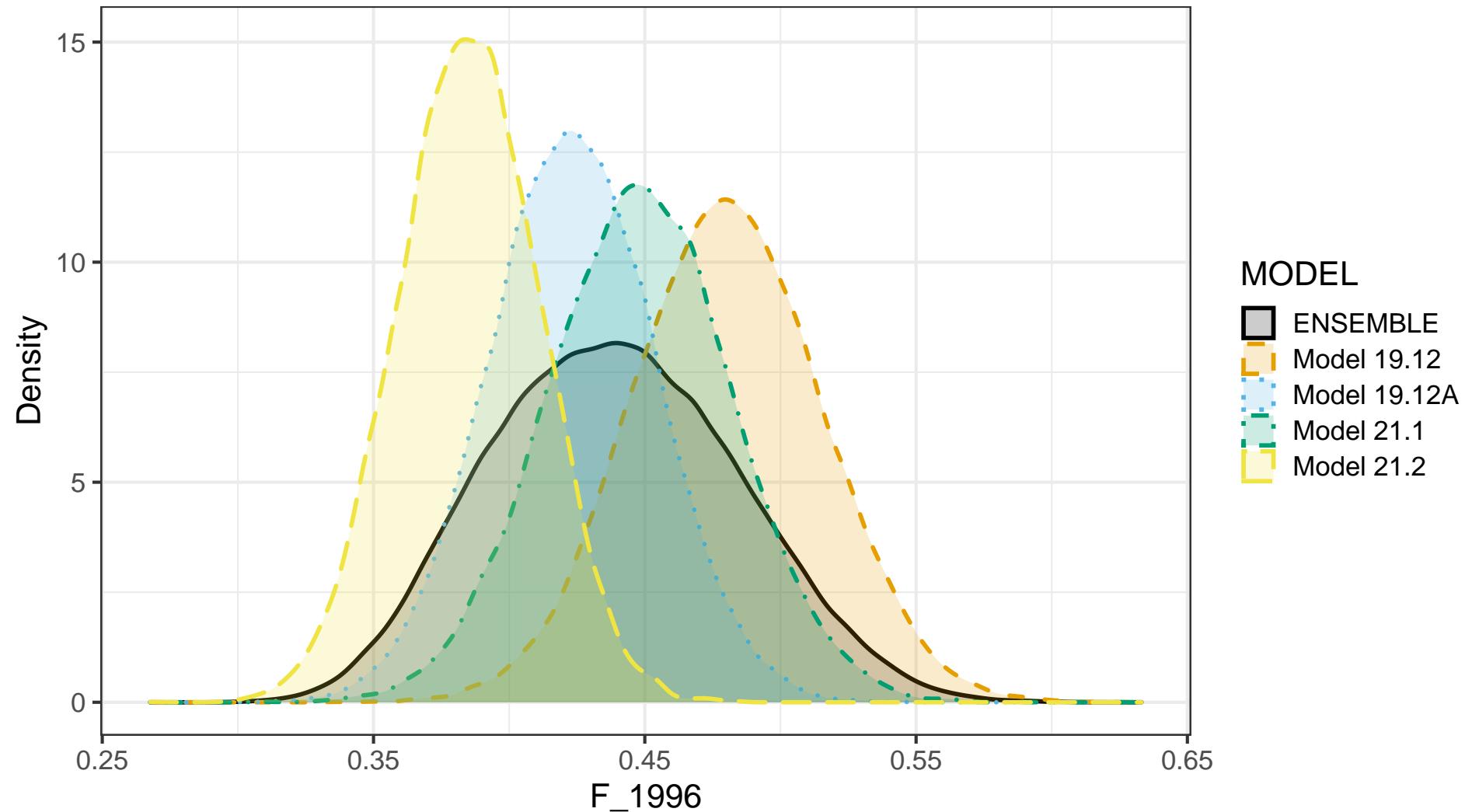
F\_1994



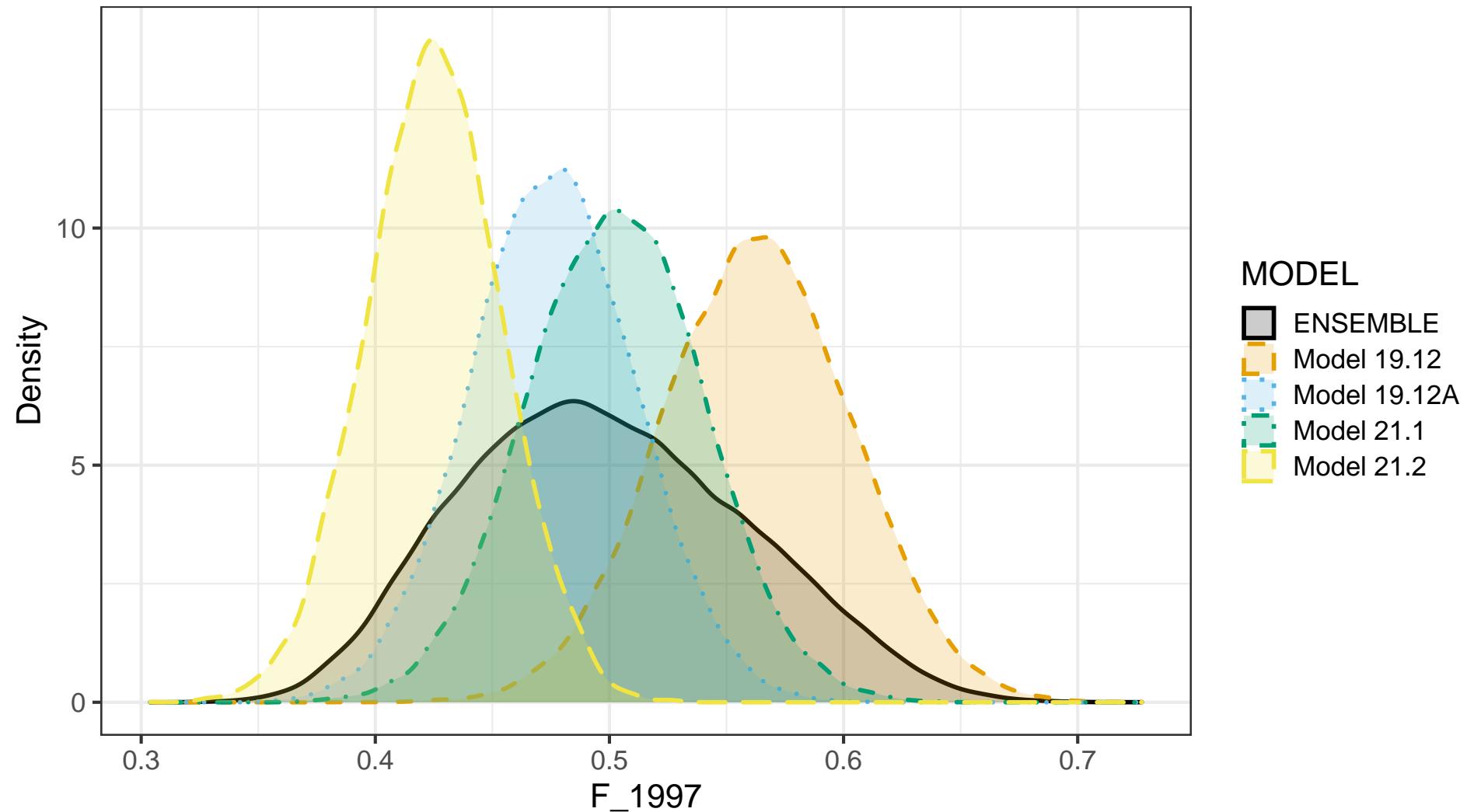
F\_1995



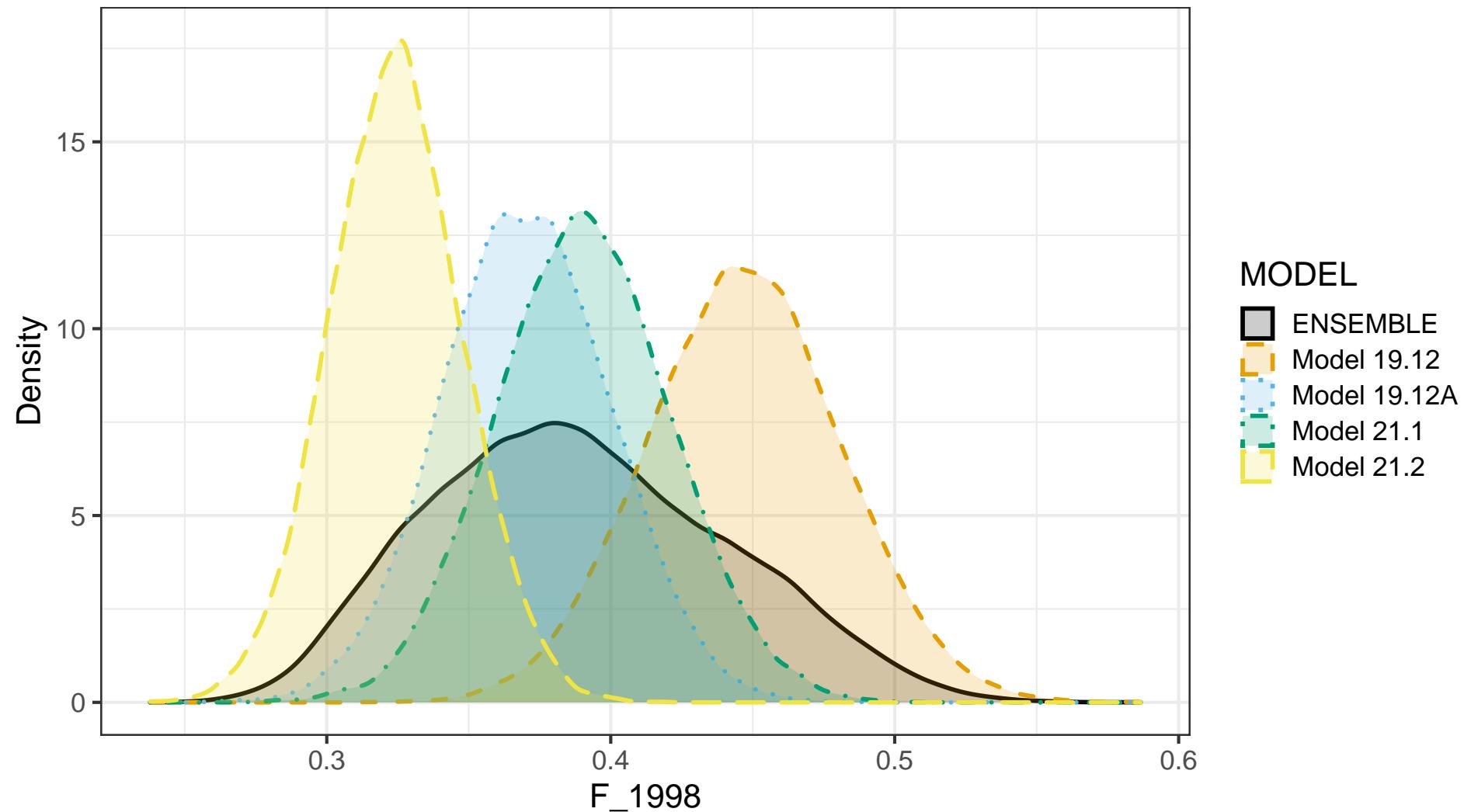
F\_1996



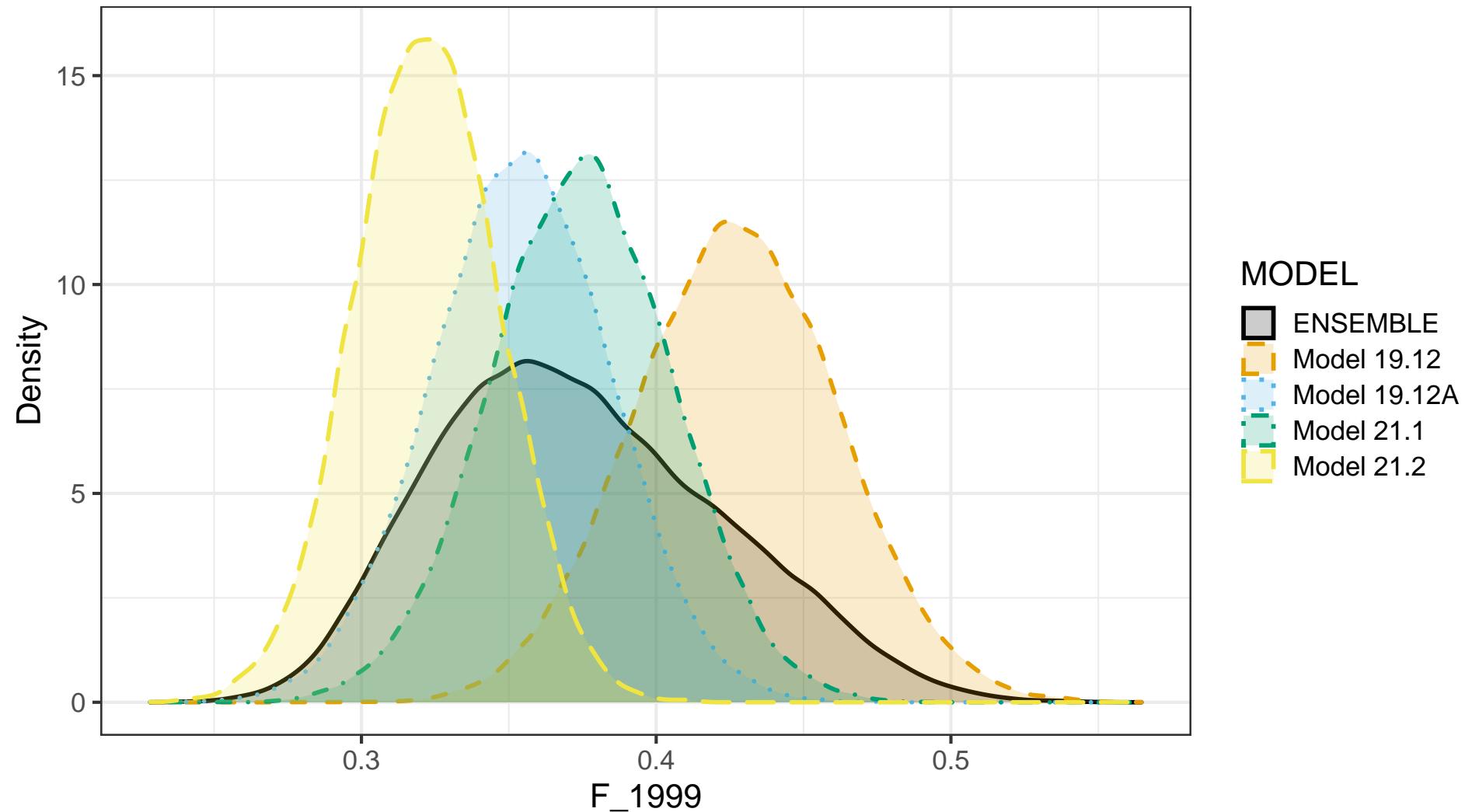
F\_1997



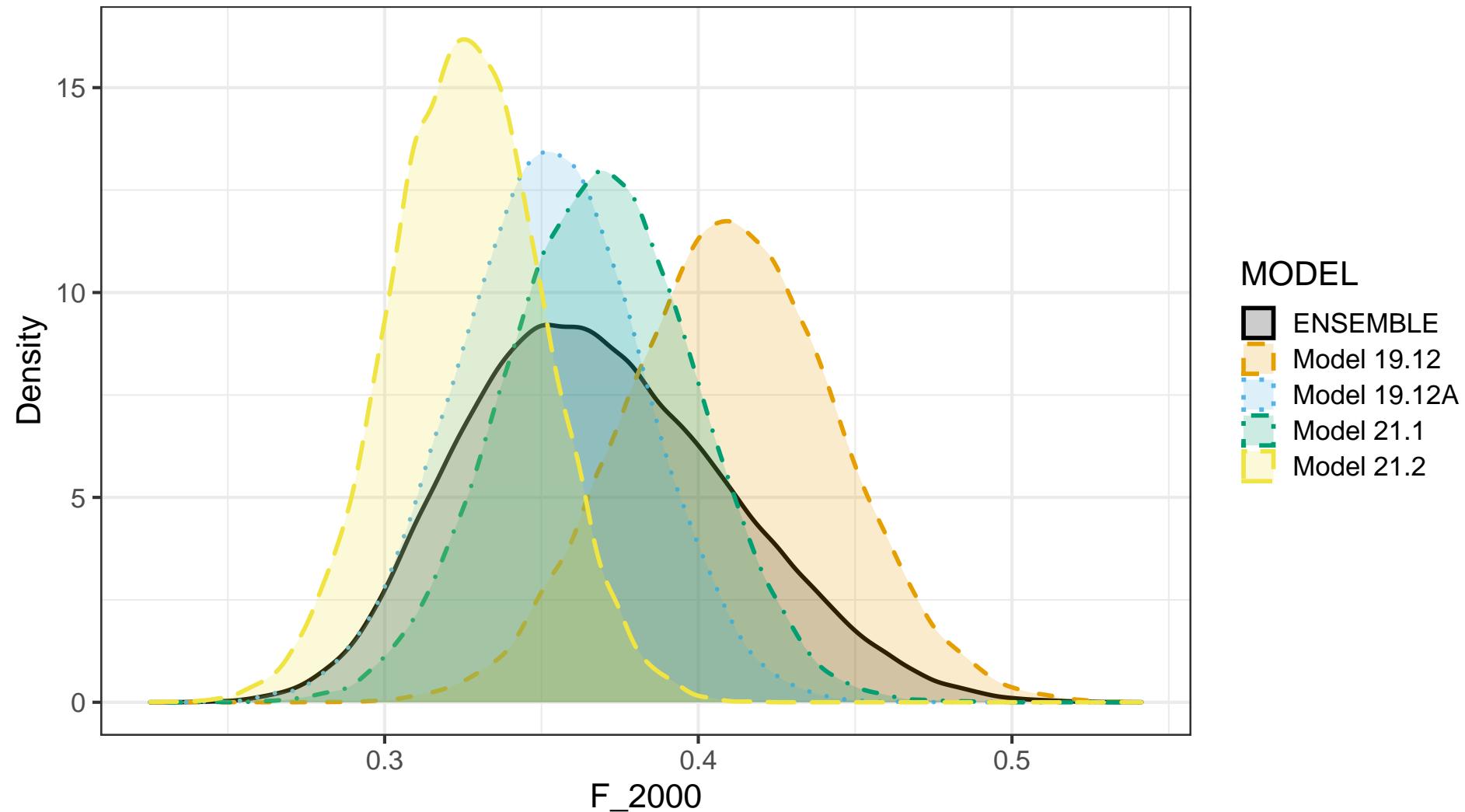
# F\_1998



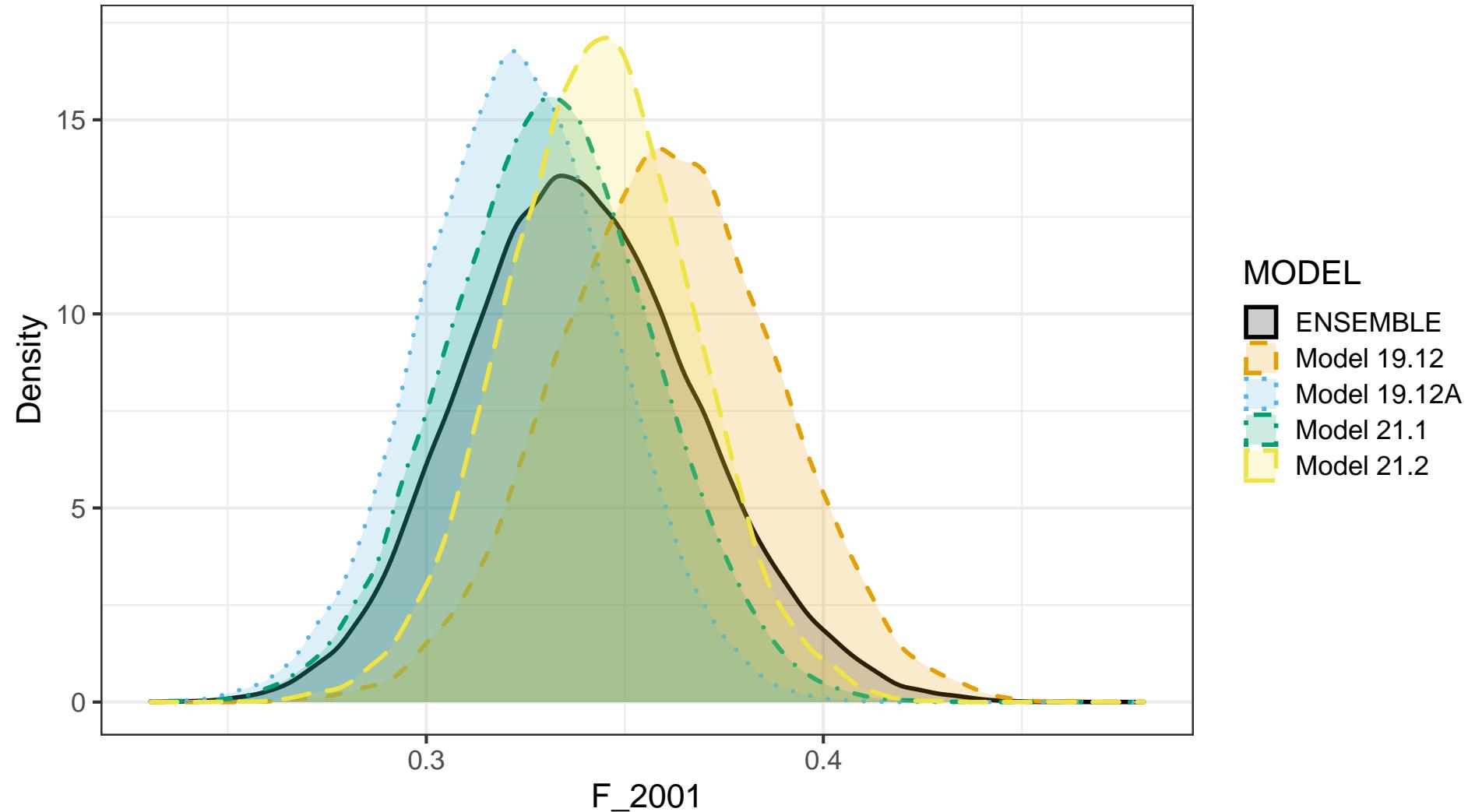
# F\_1999



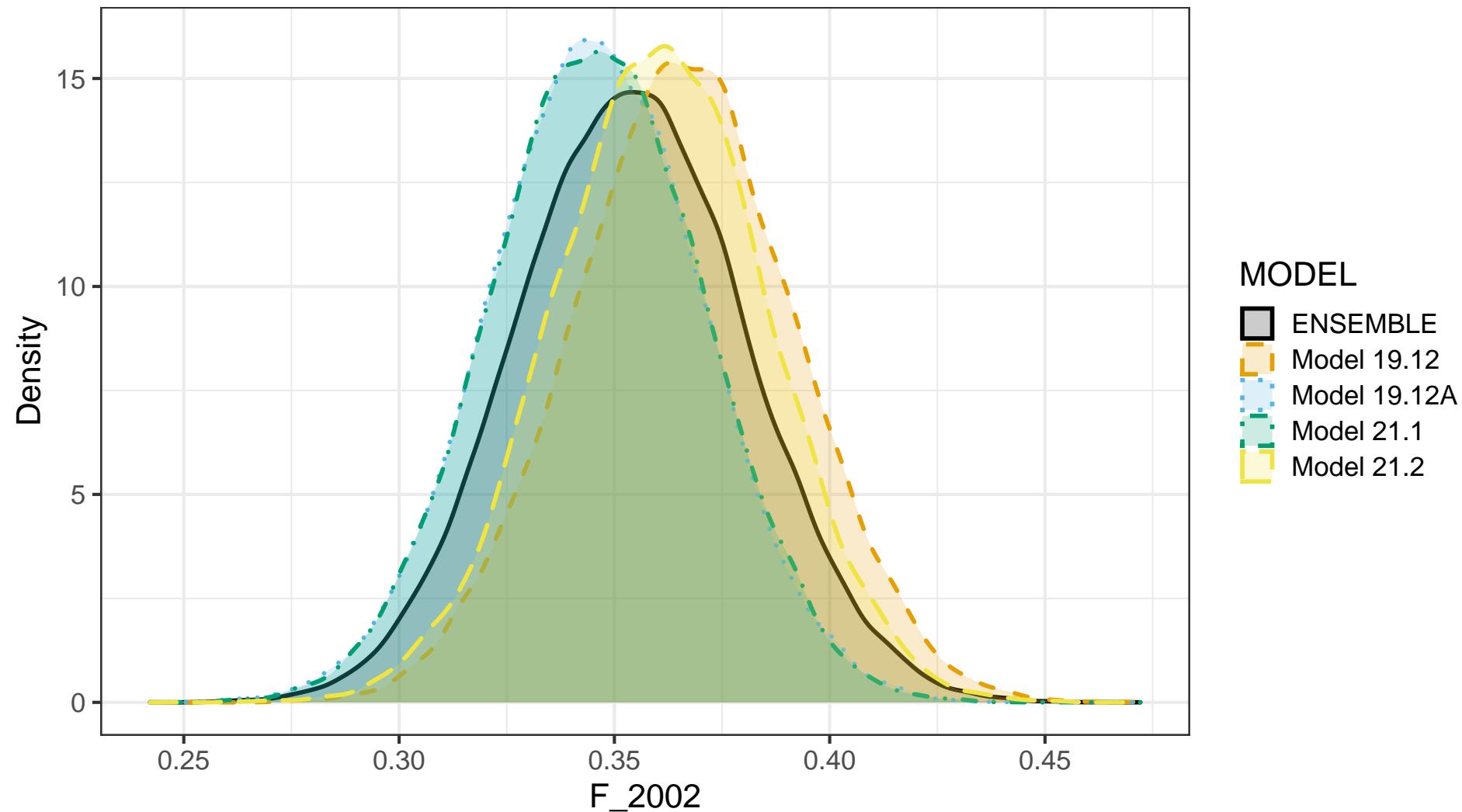
F\_2000



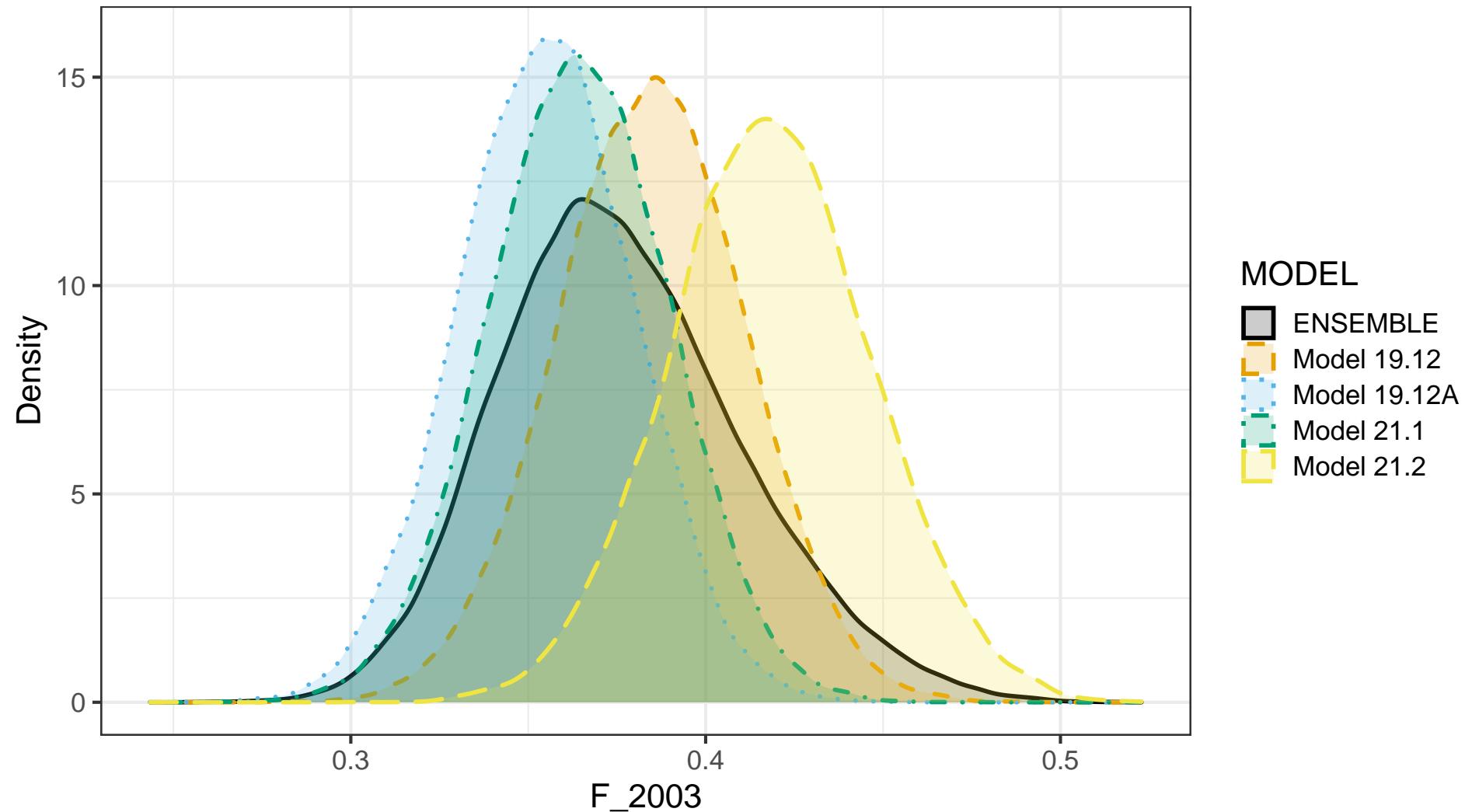
F\_2001



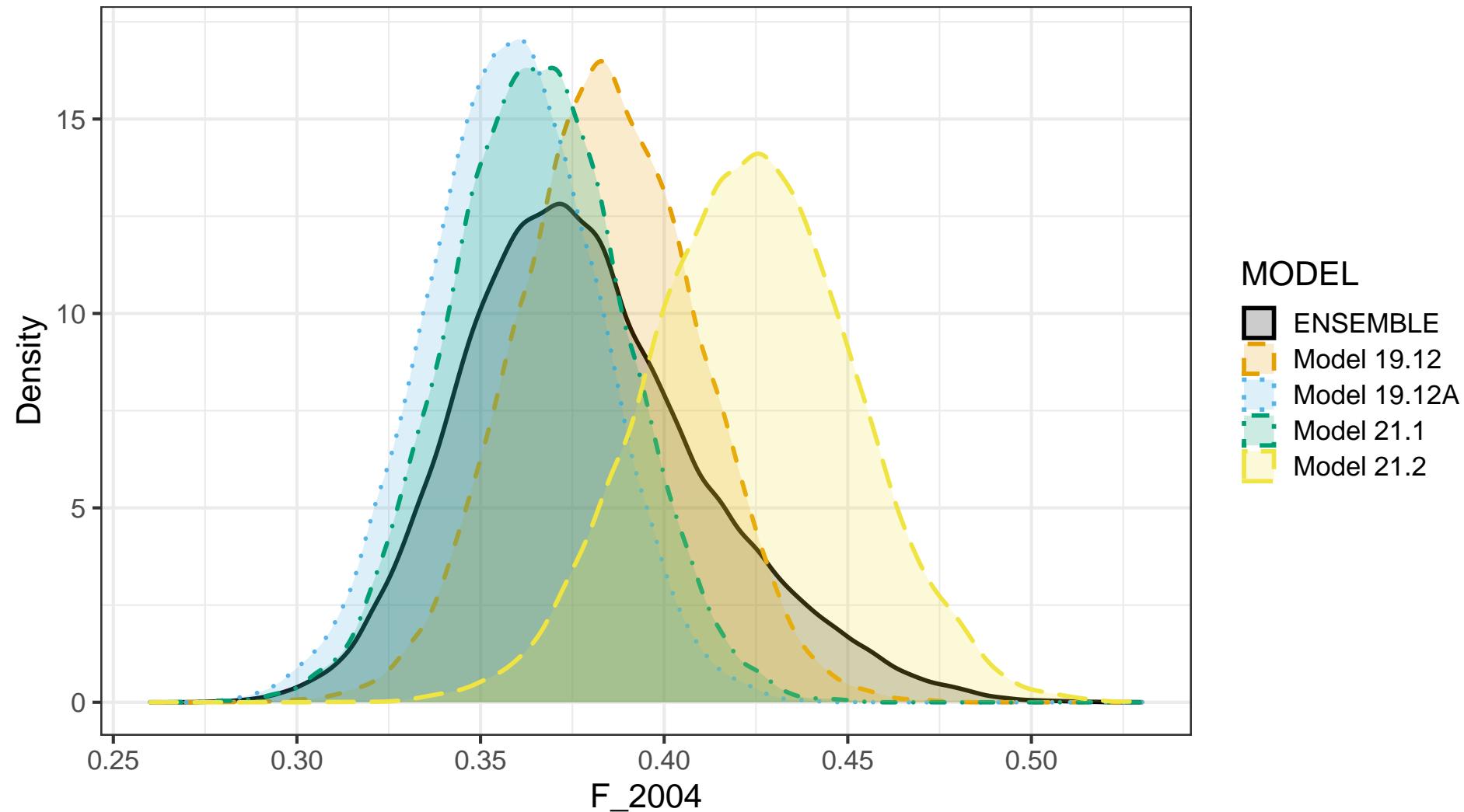
F\_2002



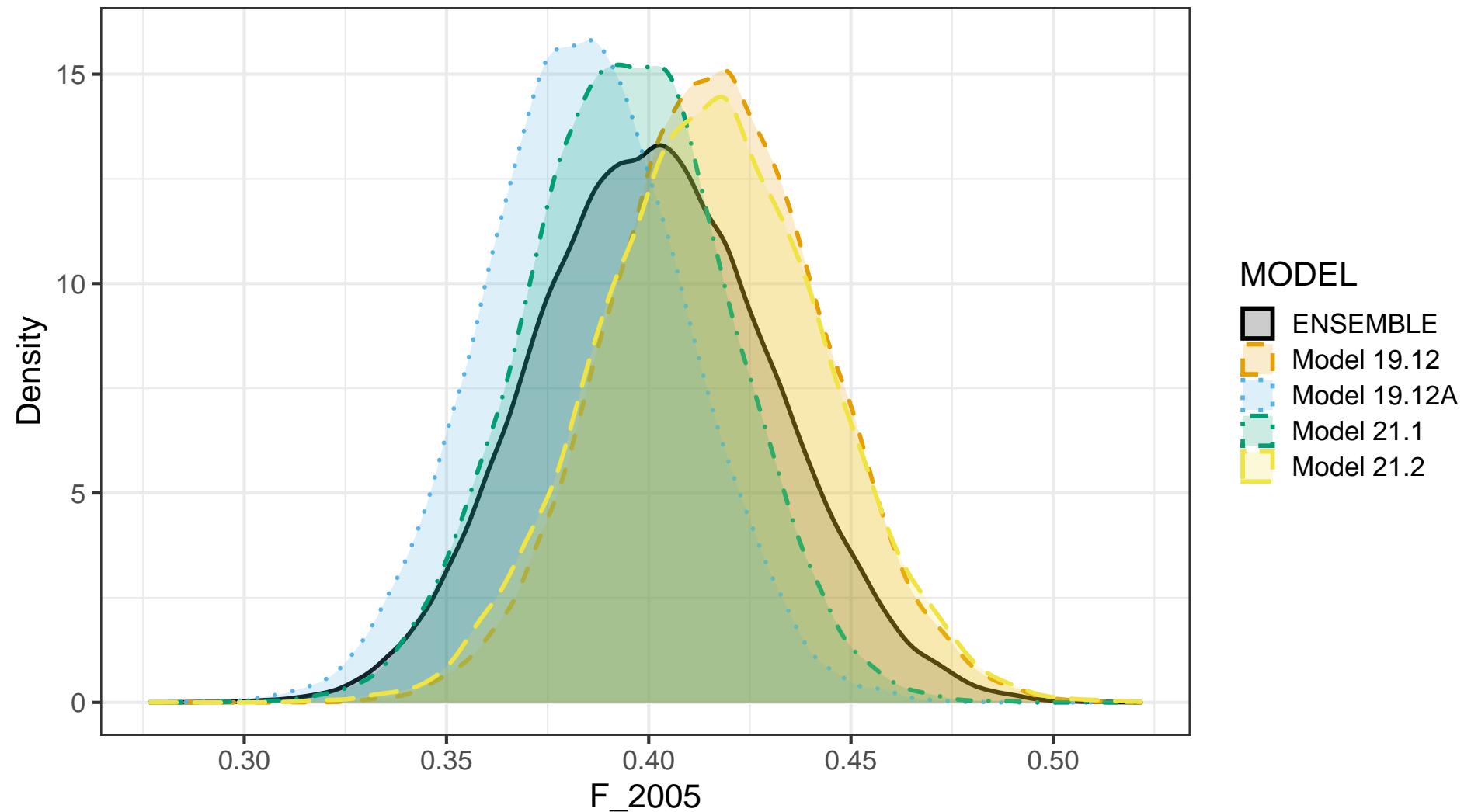
F\_2003



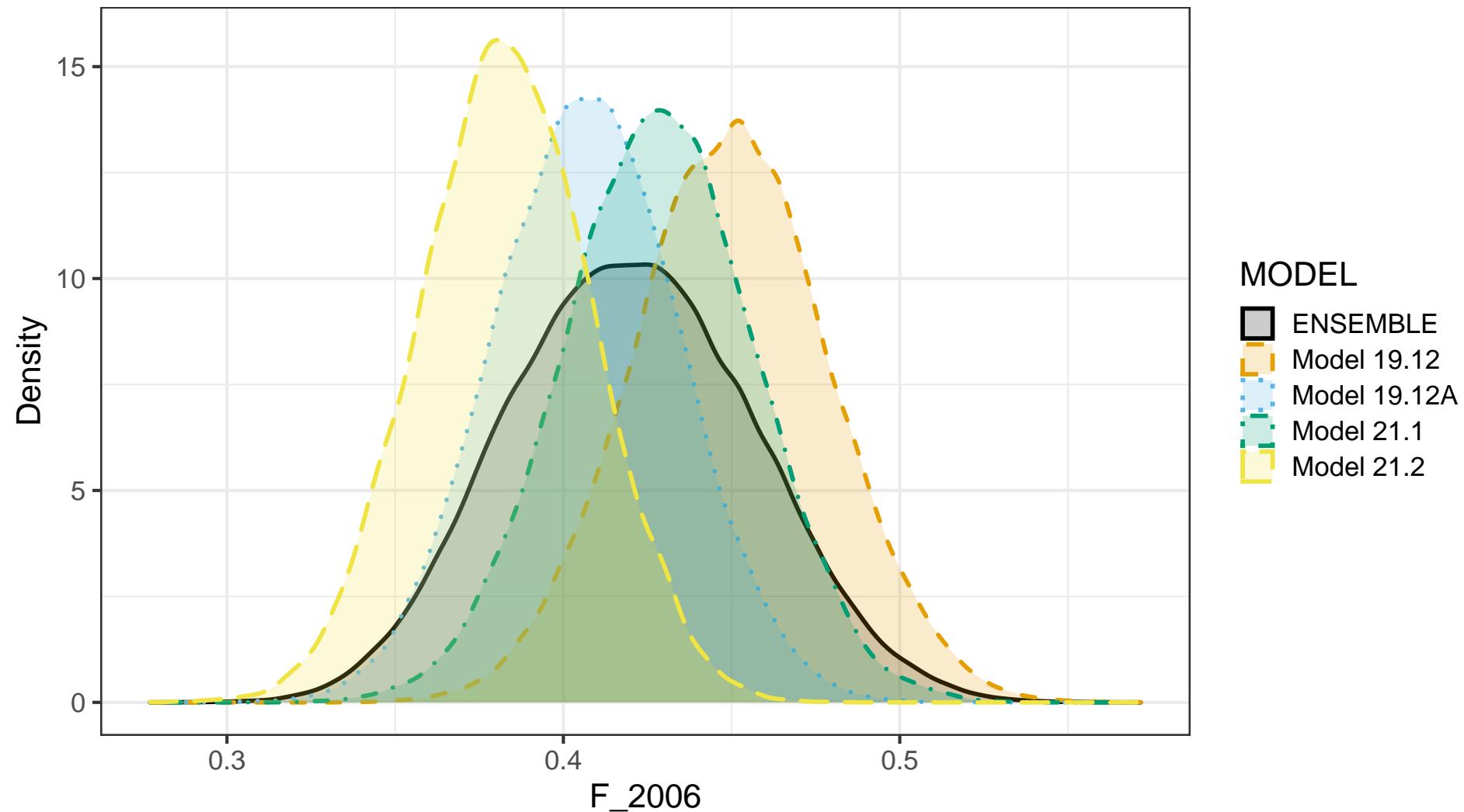
F\_2004



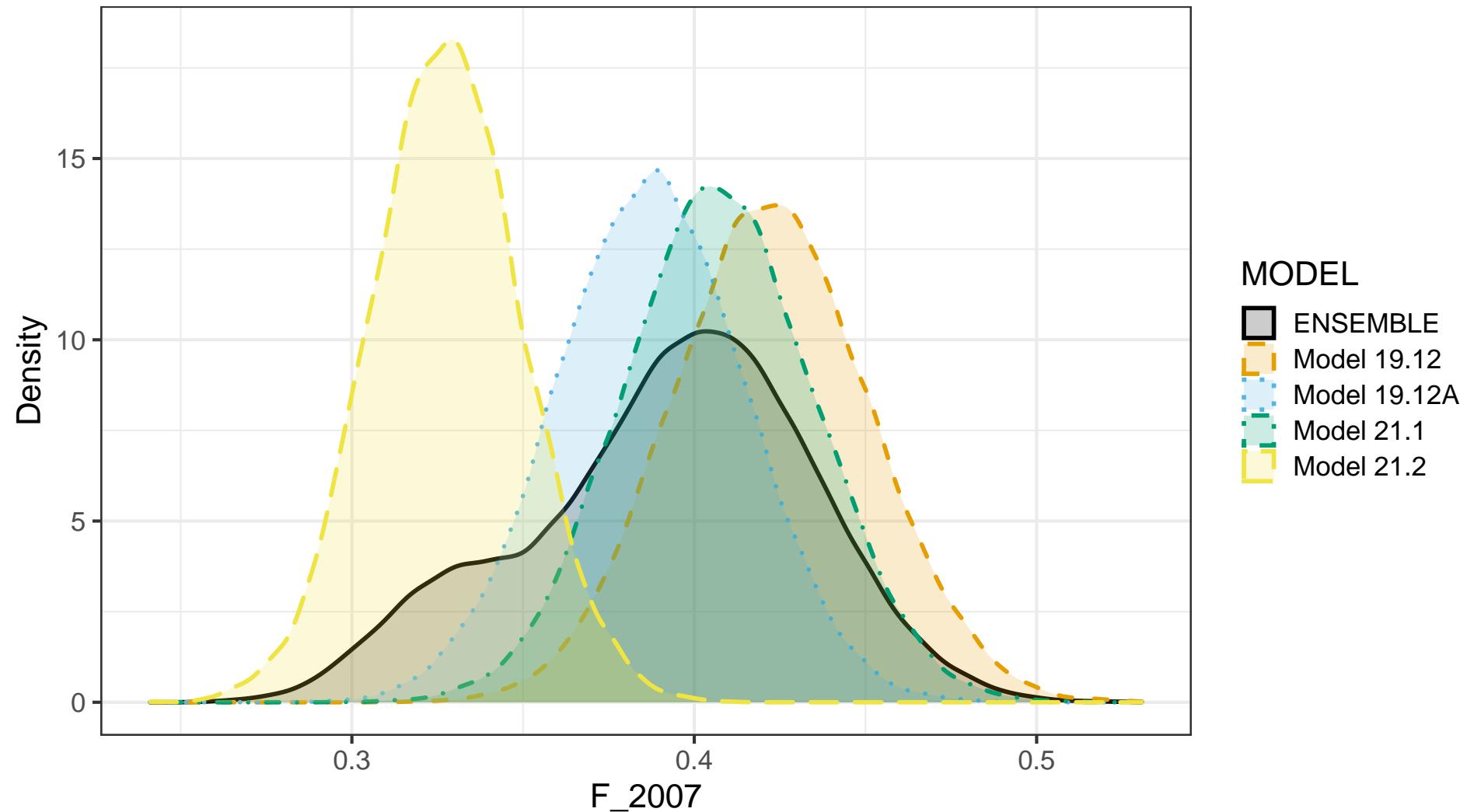
F\_2005



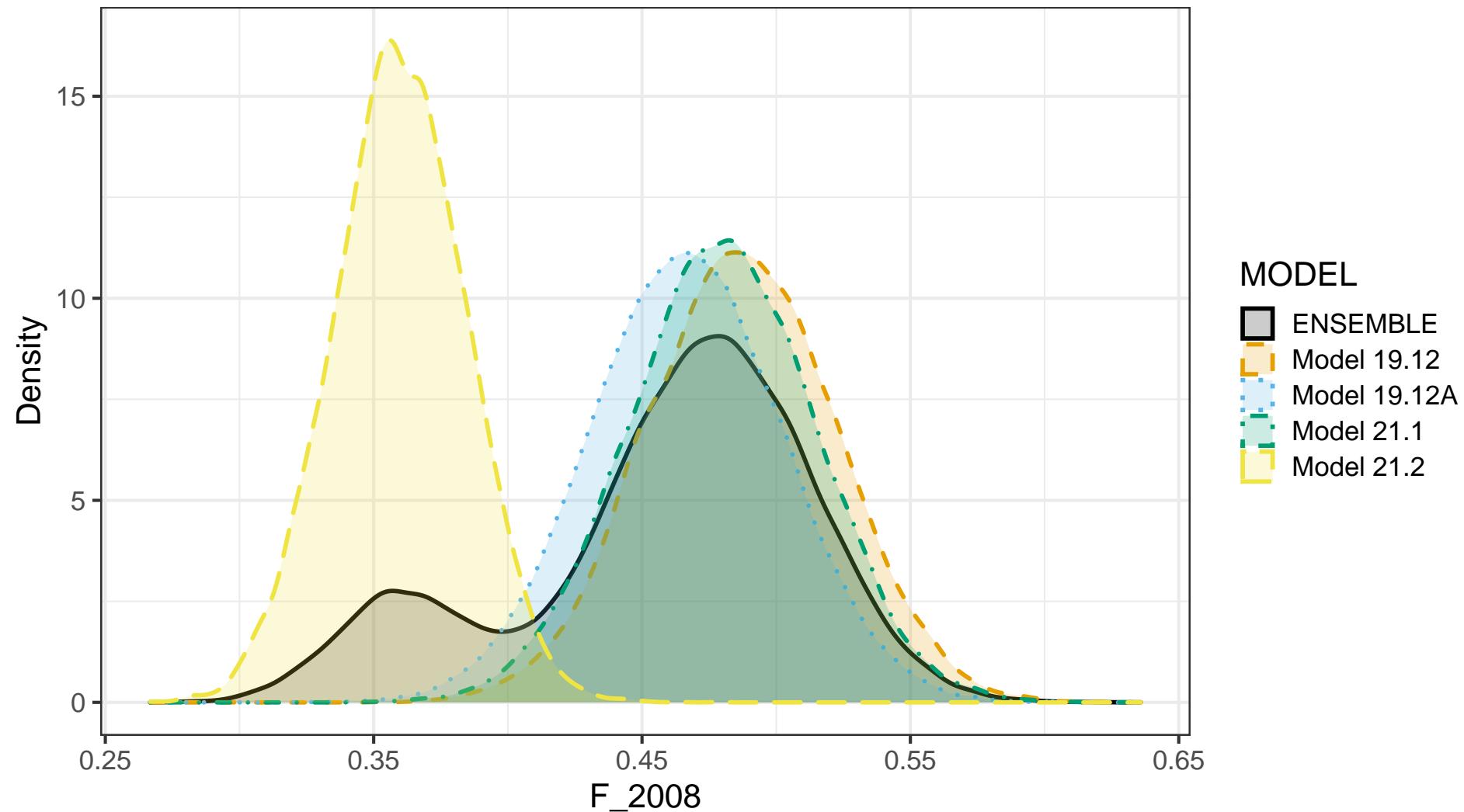
F\_2006



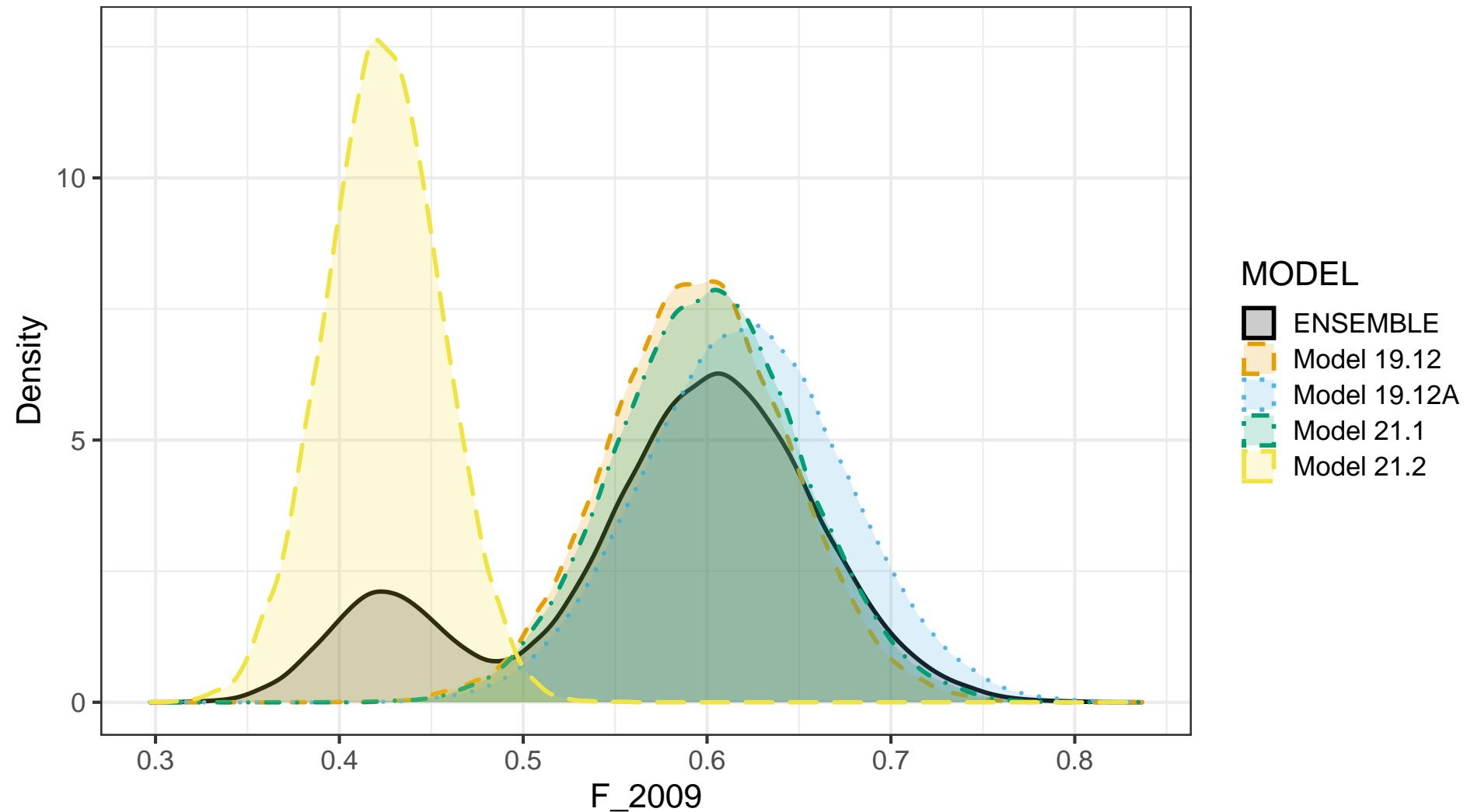
F\_2007



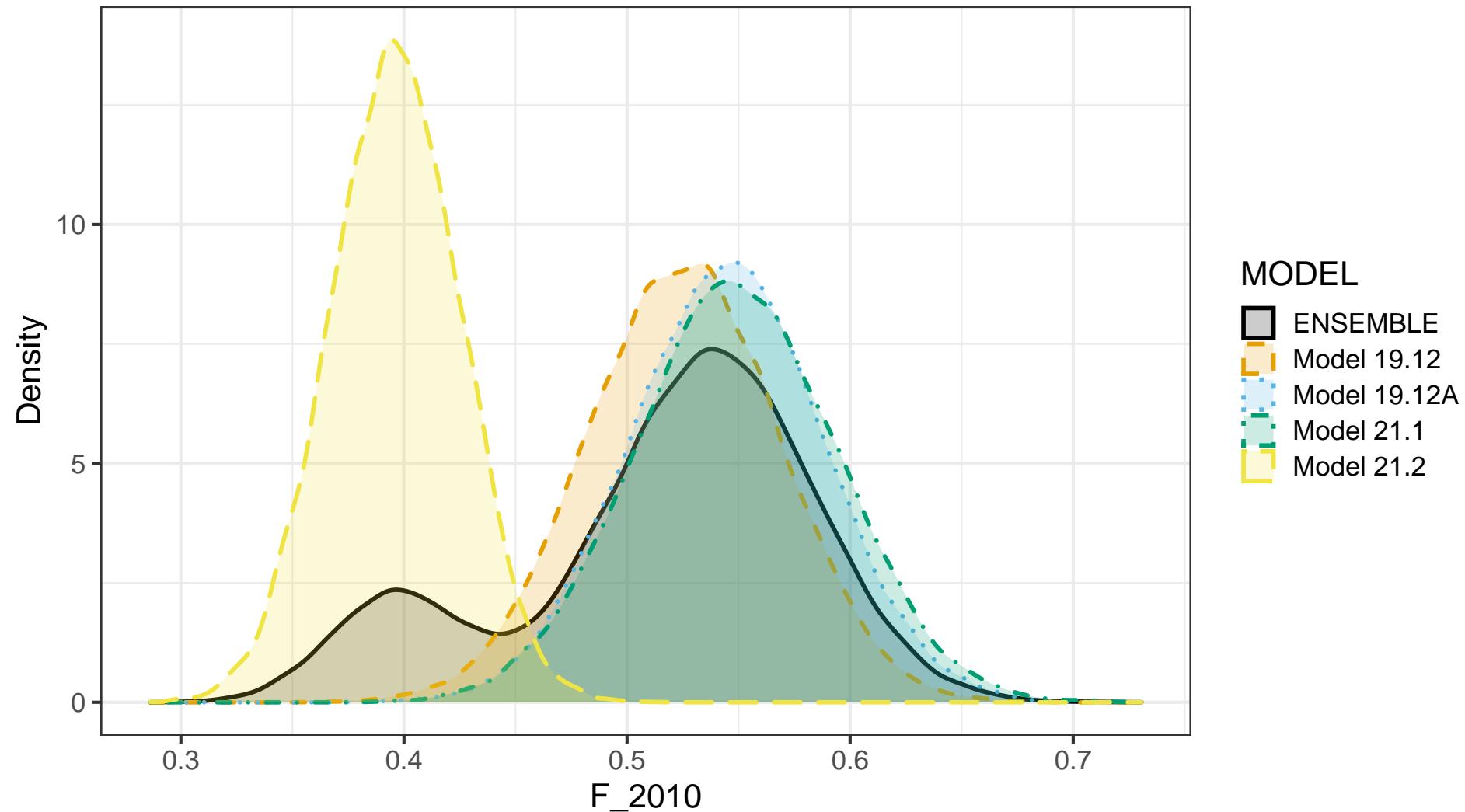
F\_2008



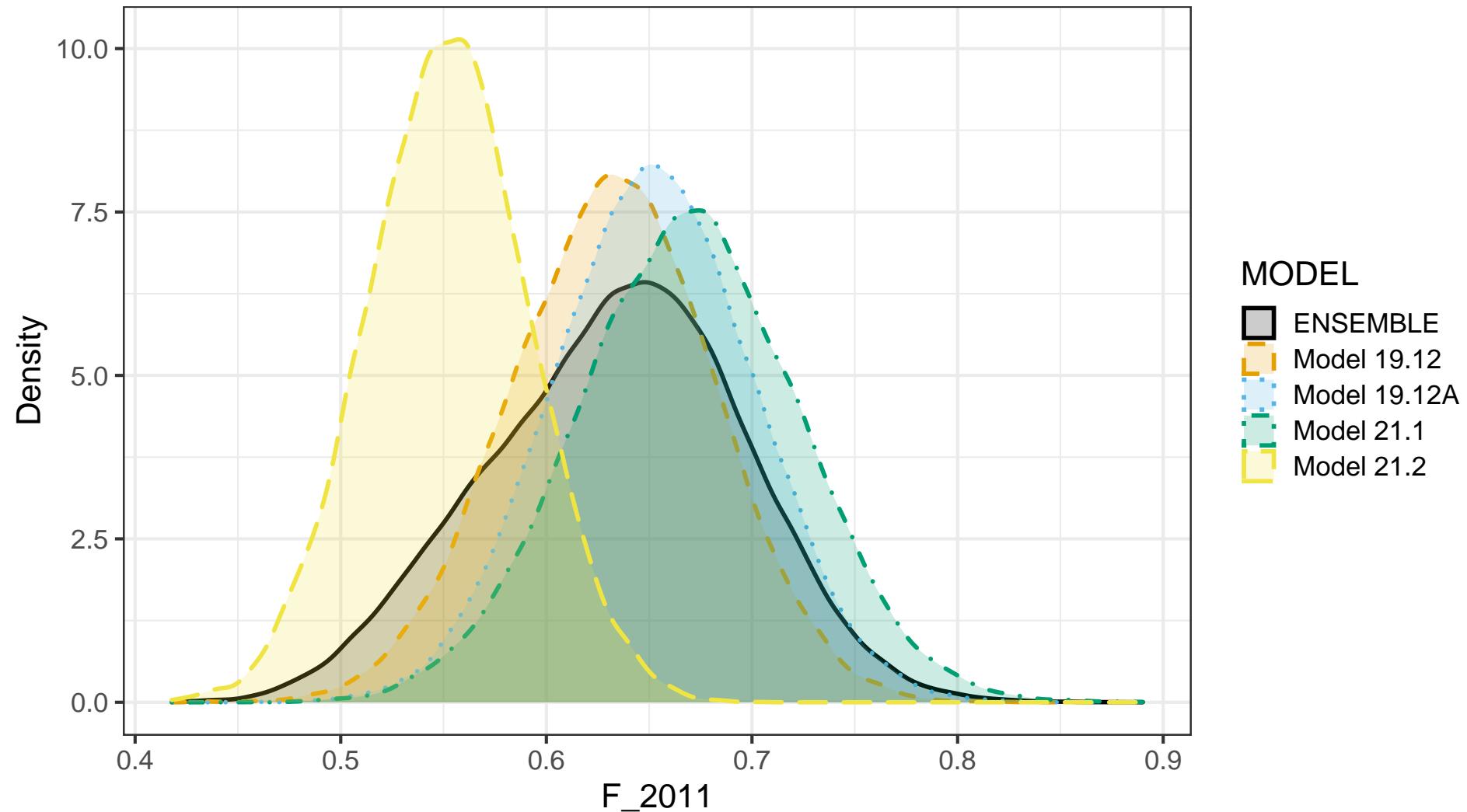
F\_2009



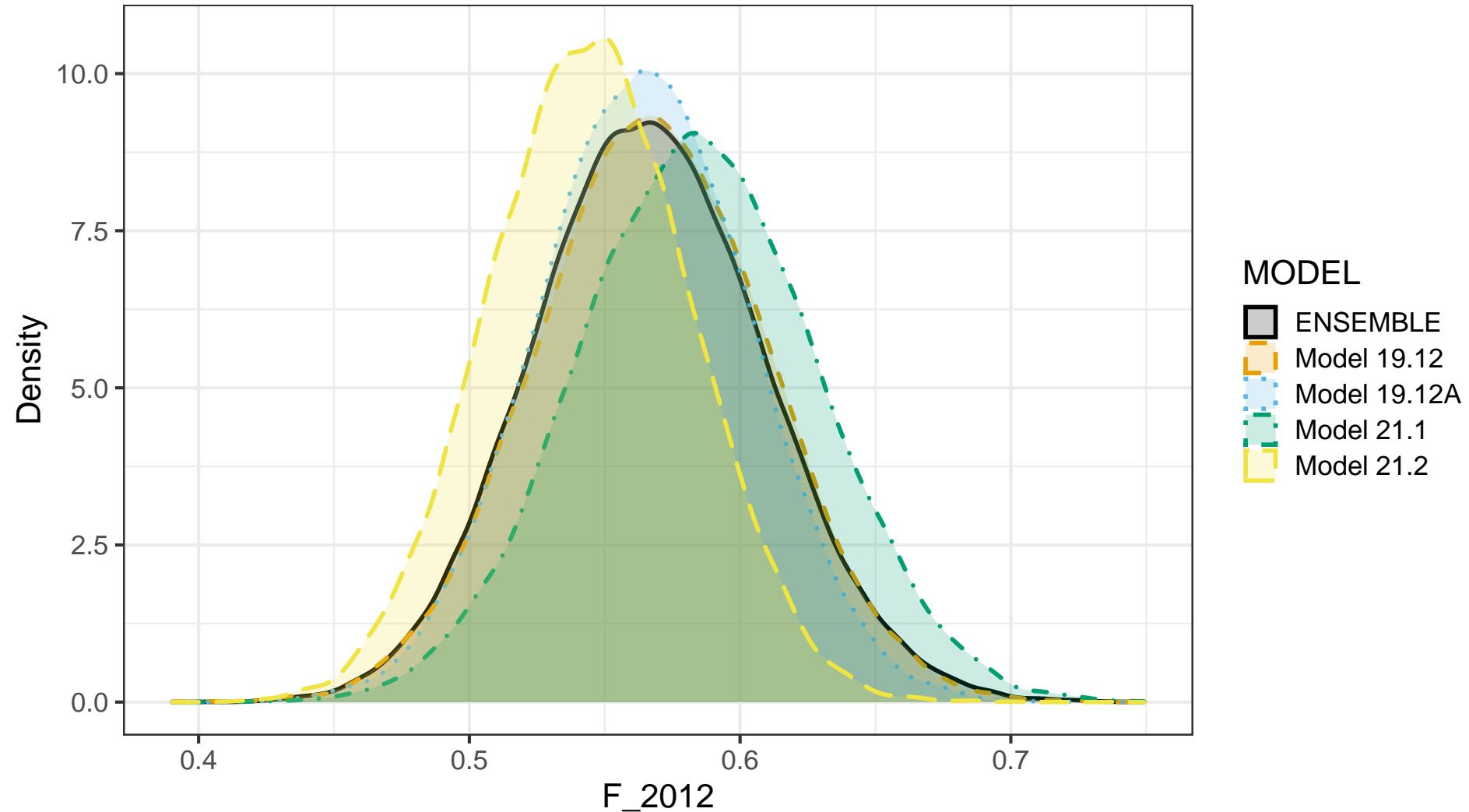
F\_2010



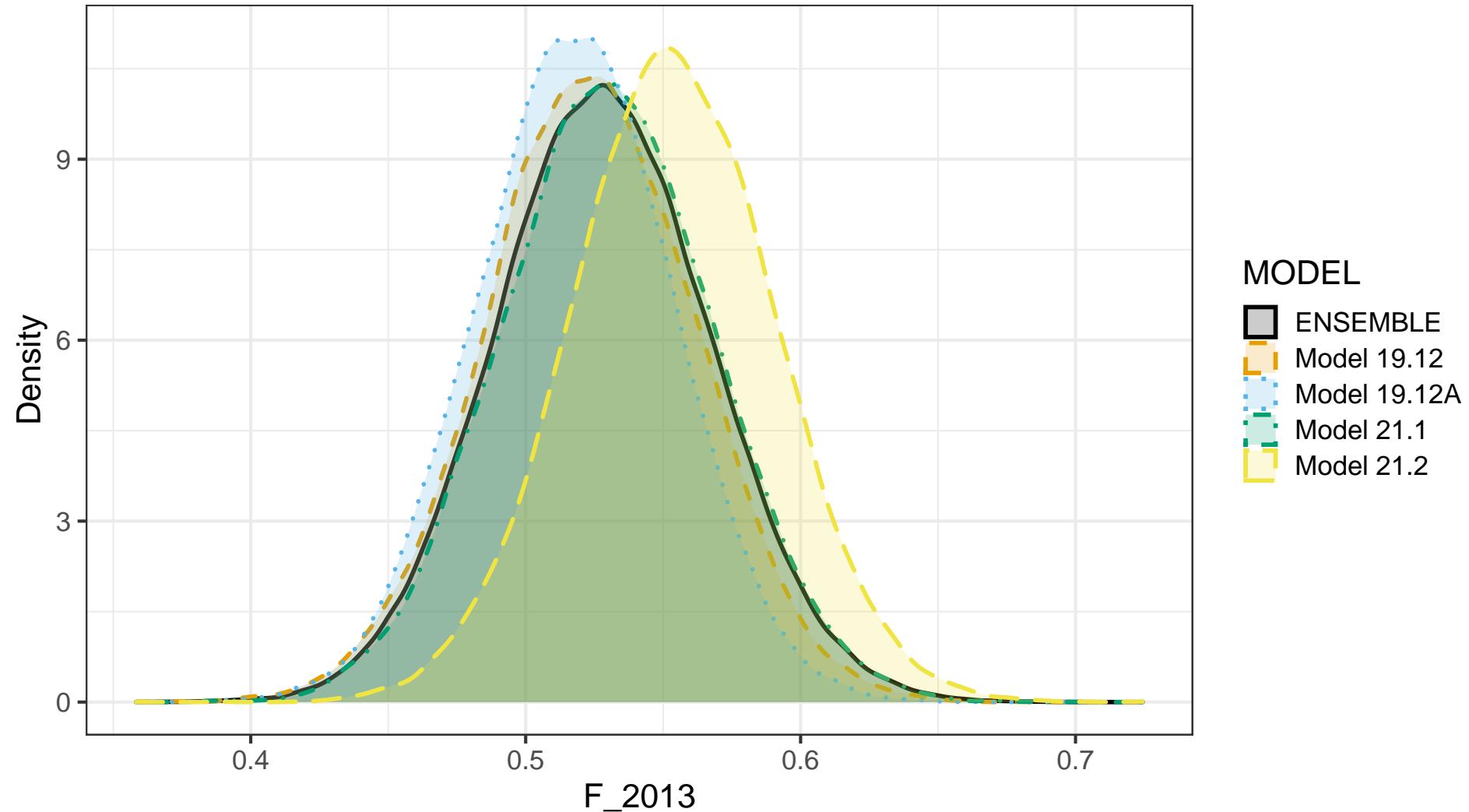
F\_2011



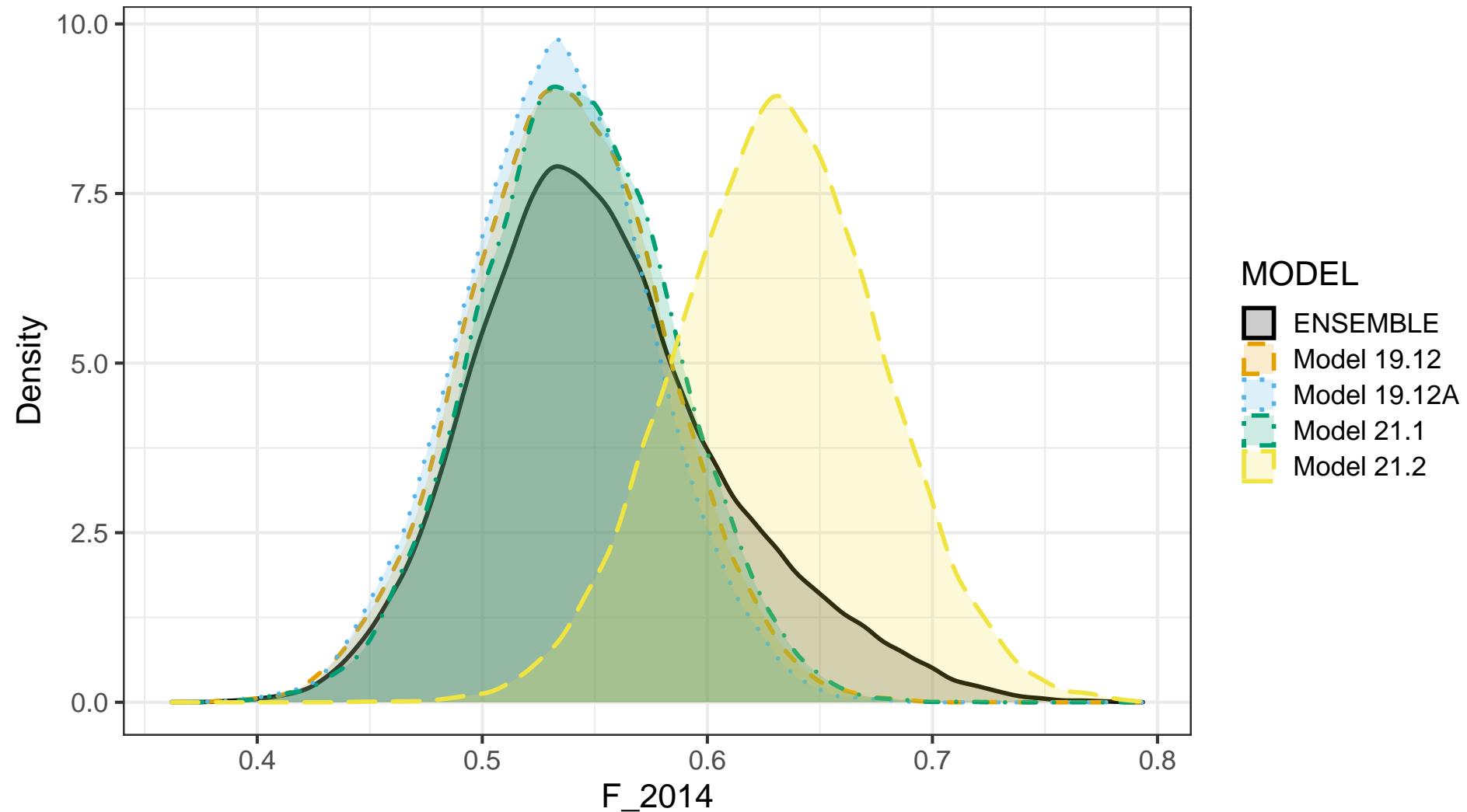
F\_2012



F\_2013



F\_2014



F\_2015

10.0

7.5

5.0

2.5

0.0

Density

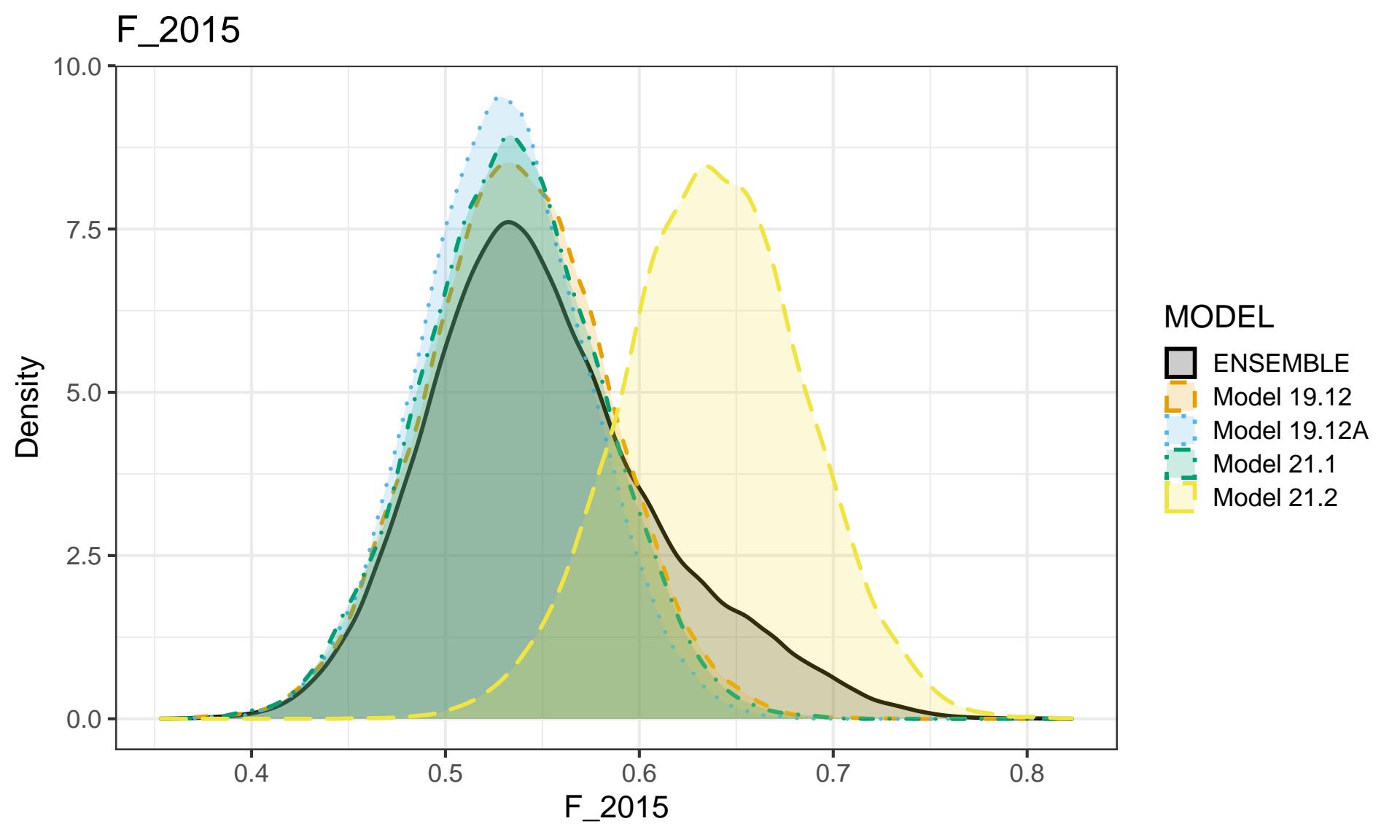
0.4

0.5

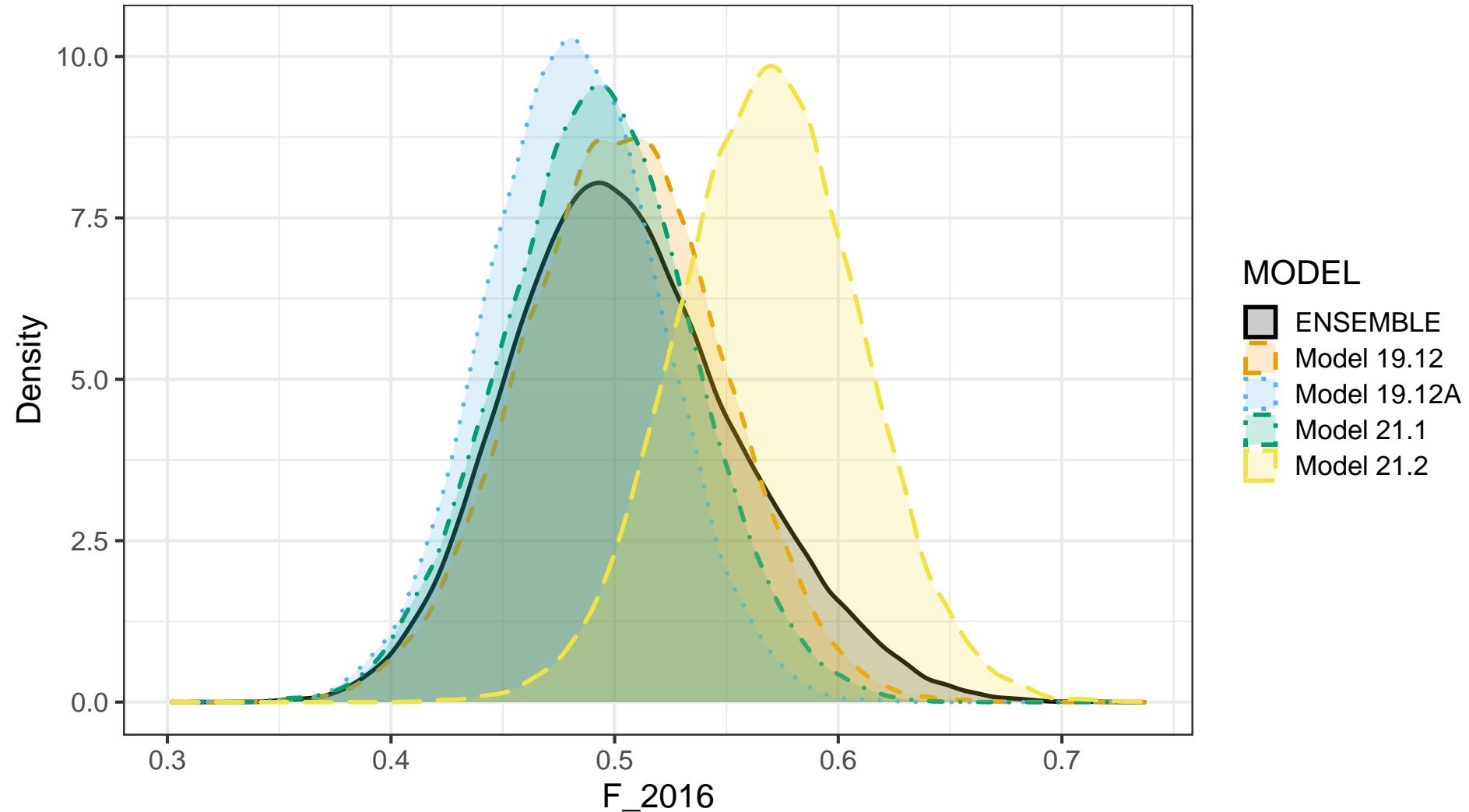
F\_2015

MODEL

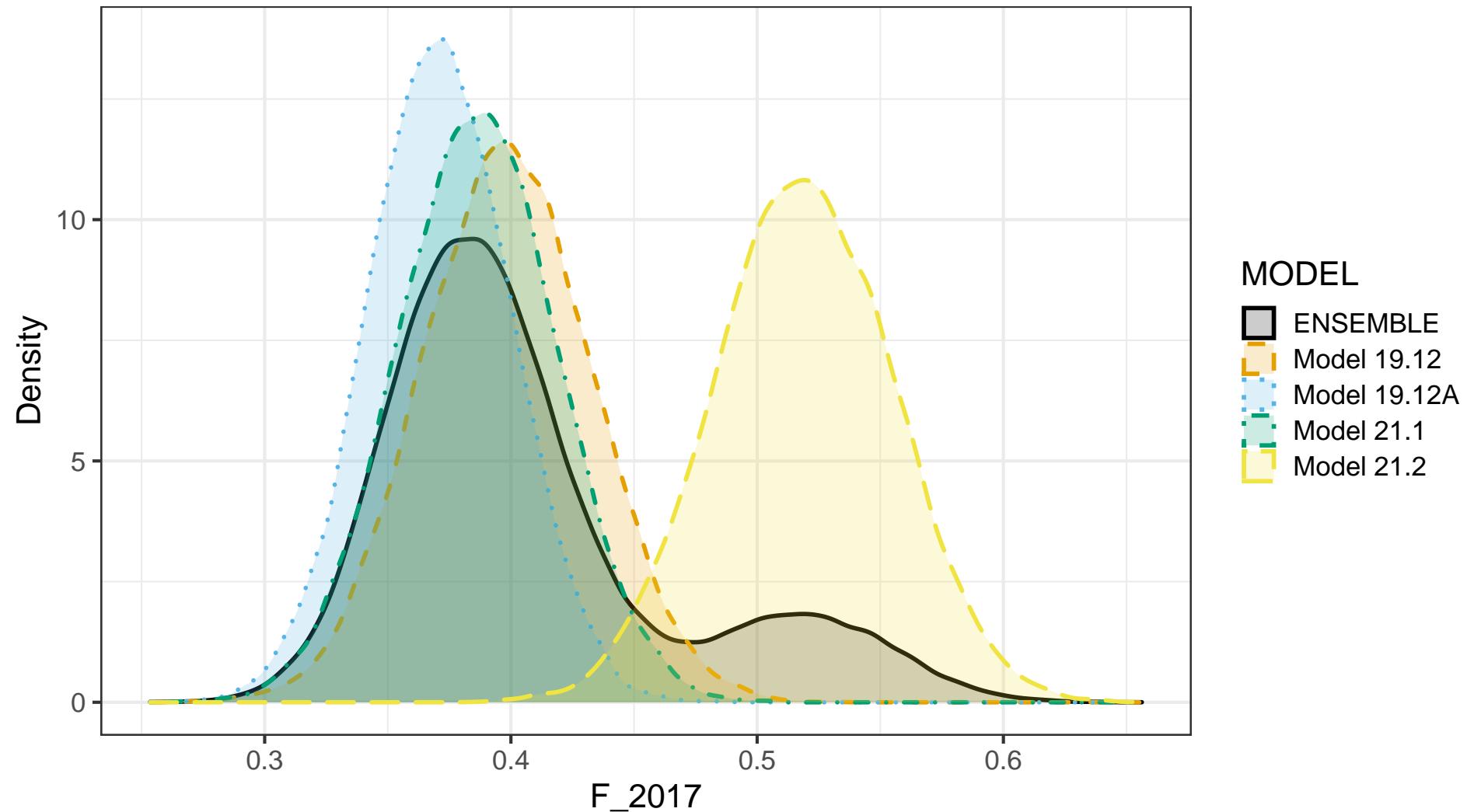
- ENSEMBLE
- Model 19.12
- Model 19.12A
- Model 21.1
- Model 21.2



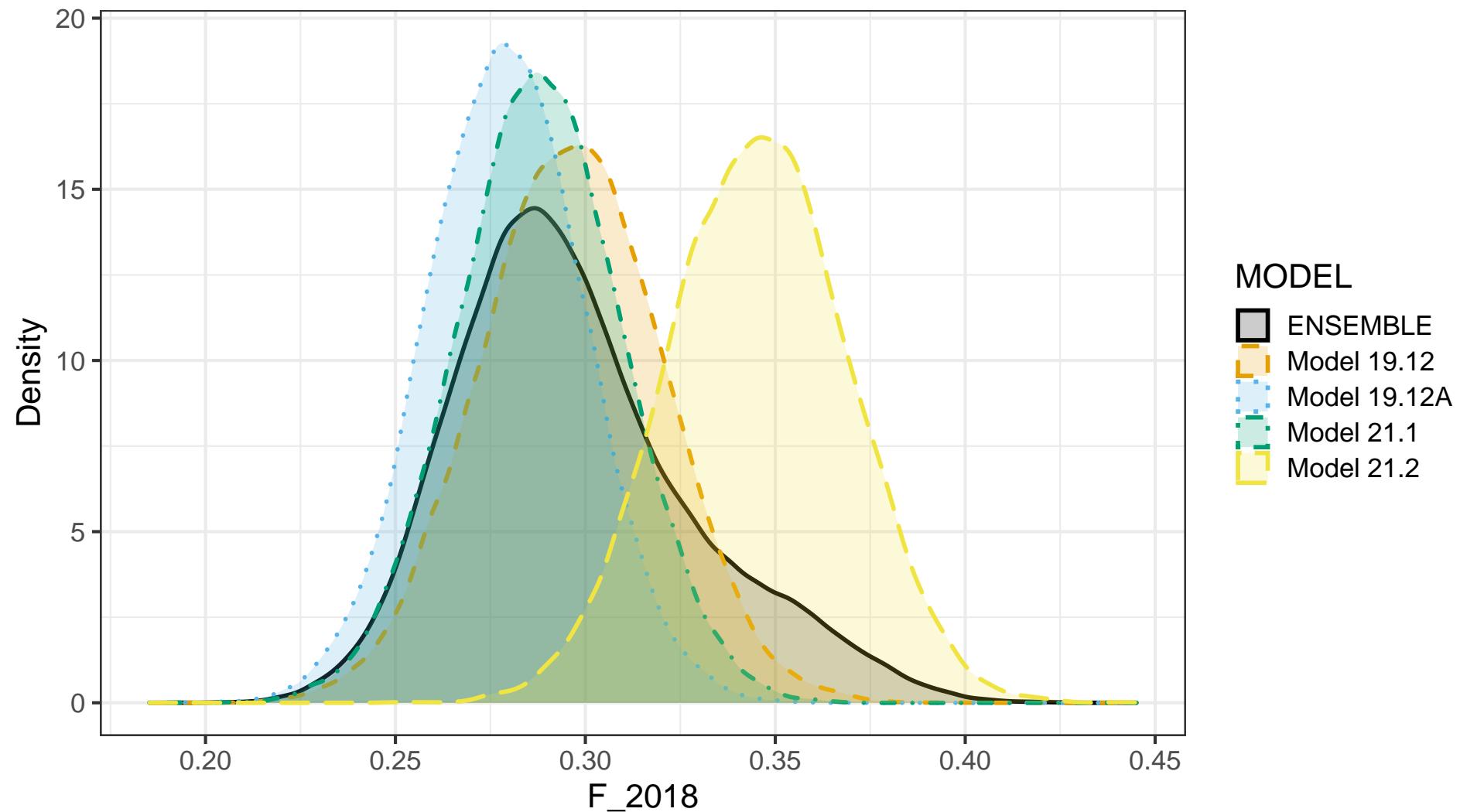
# F\_2016



F\_2017



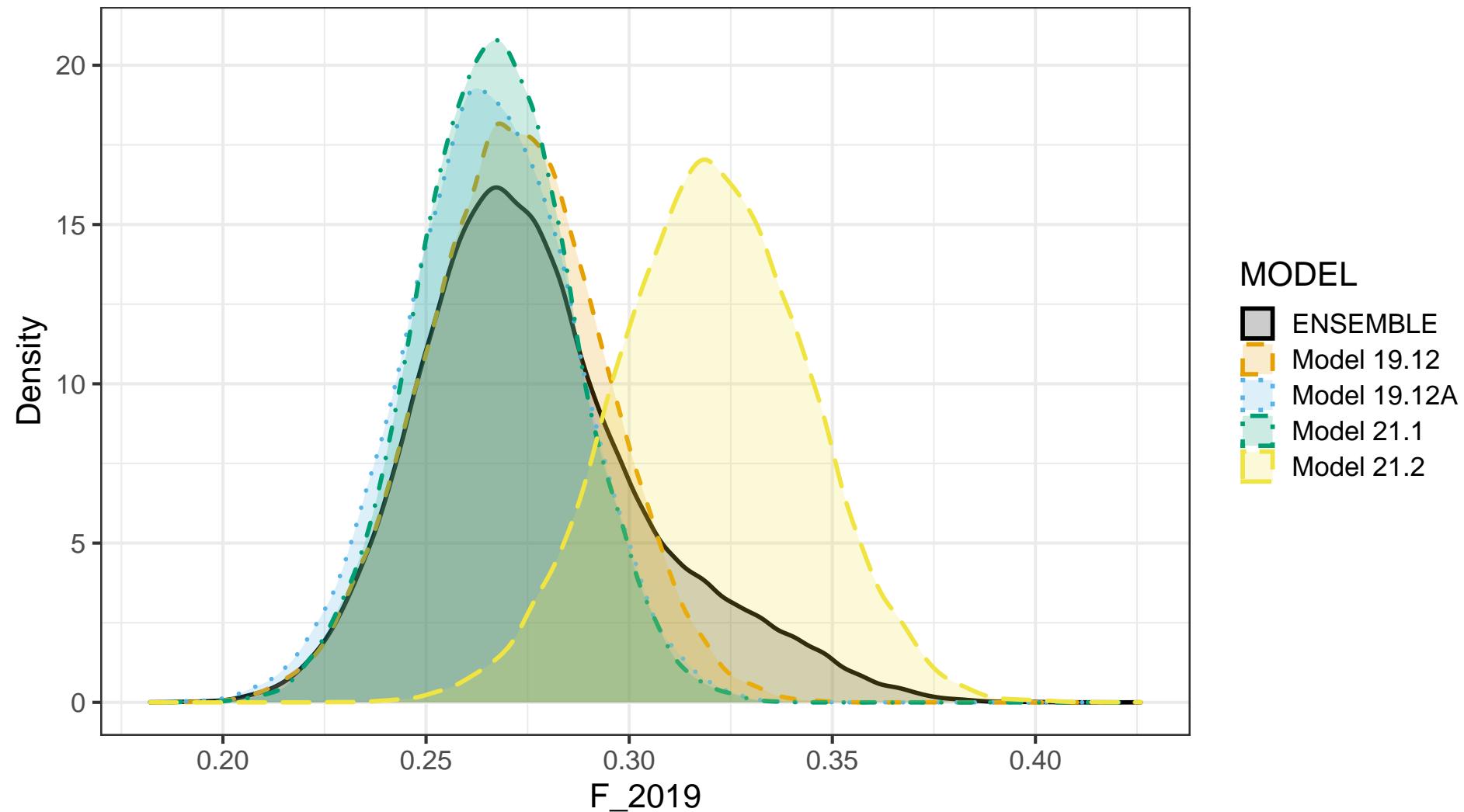
F\_2018



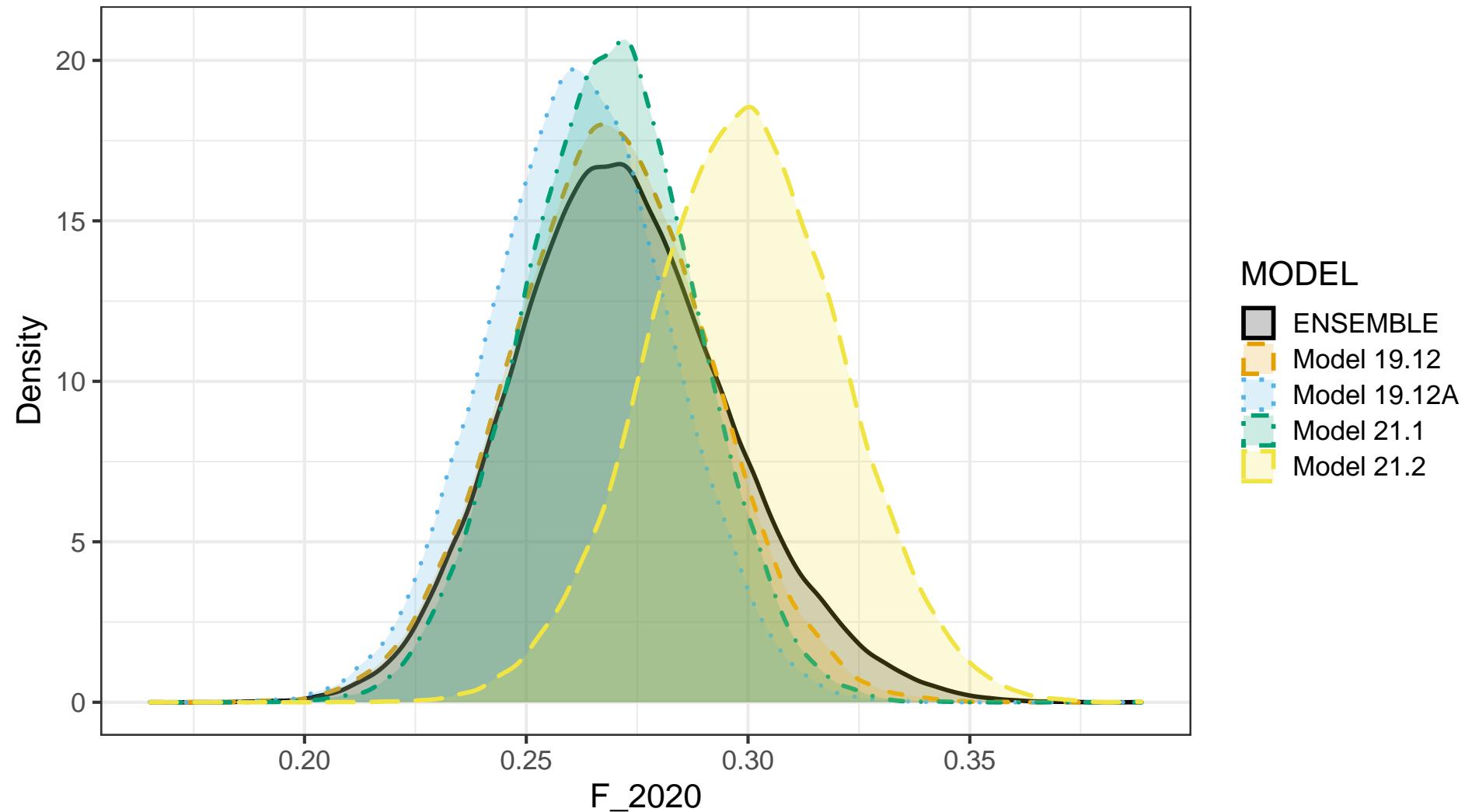
MODEL

- ENSEMBLE
- Model 19.12
- Model 19.12A
- Model 21.1
- Model 21.2

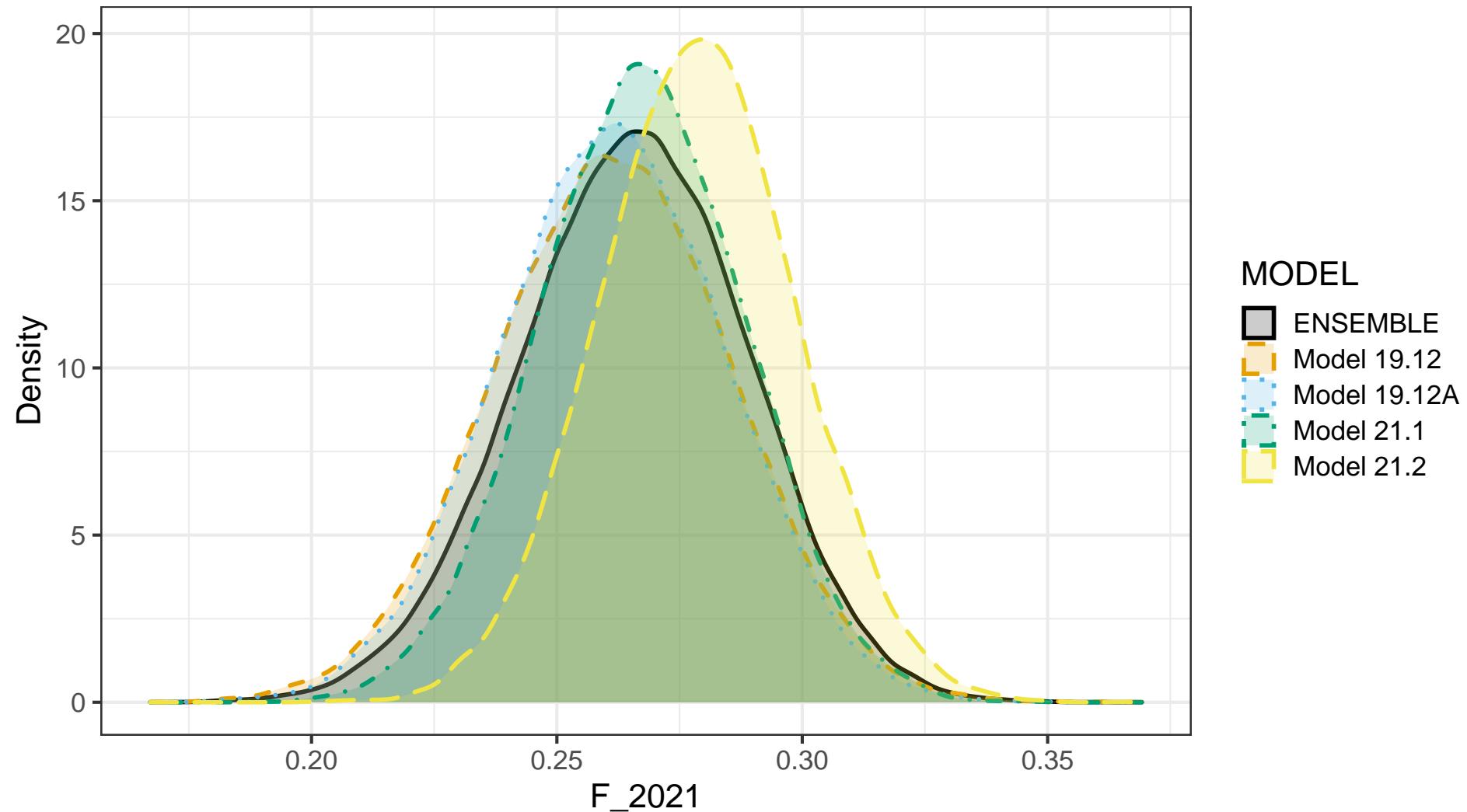
# F\_2019



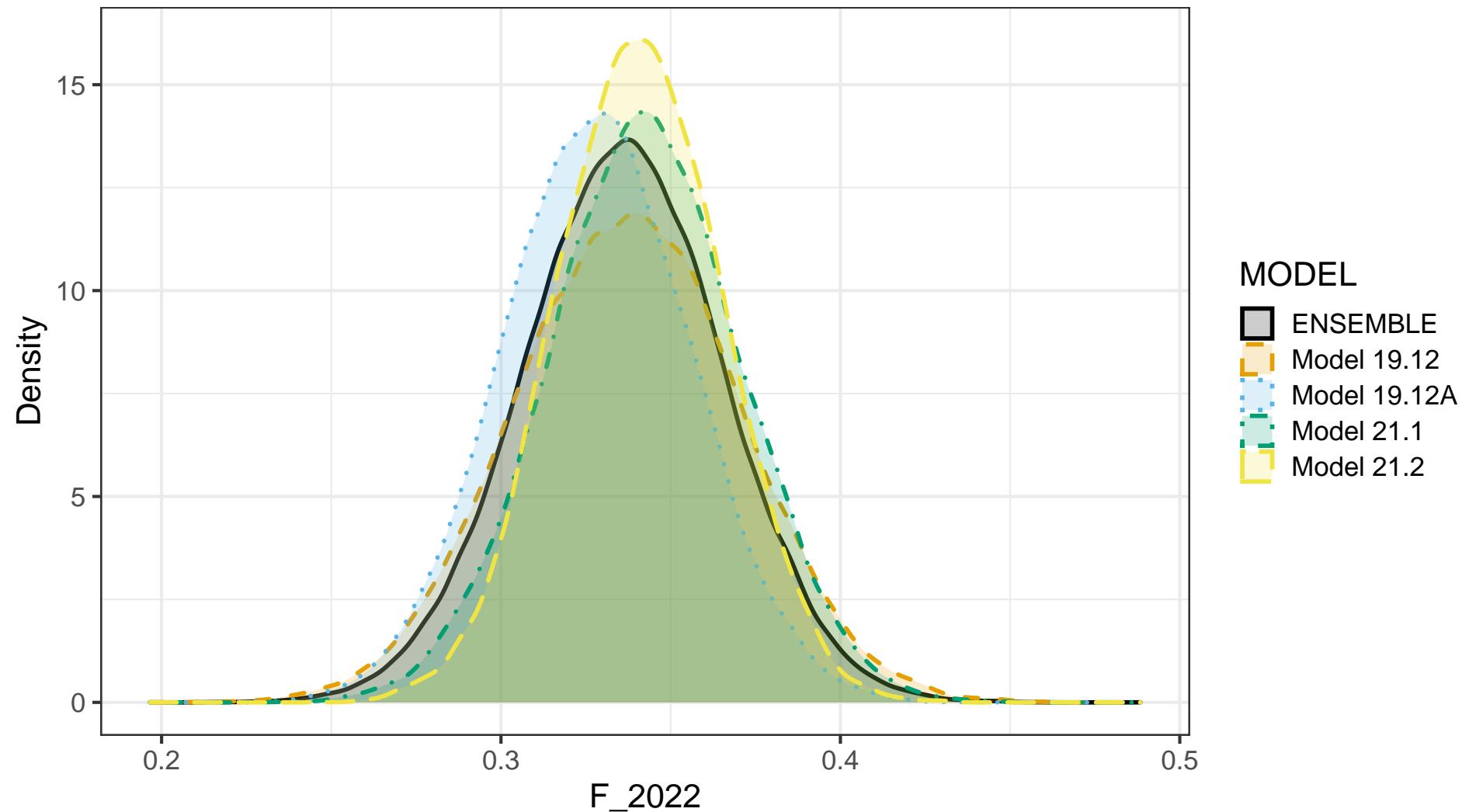
F\_2020



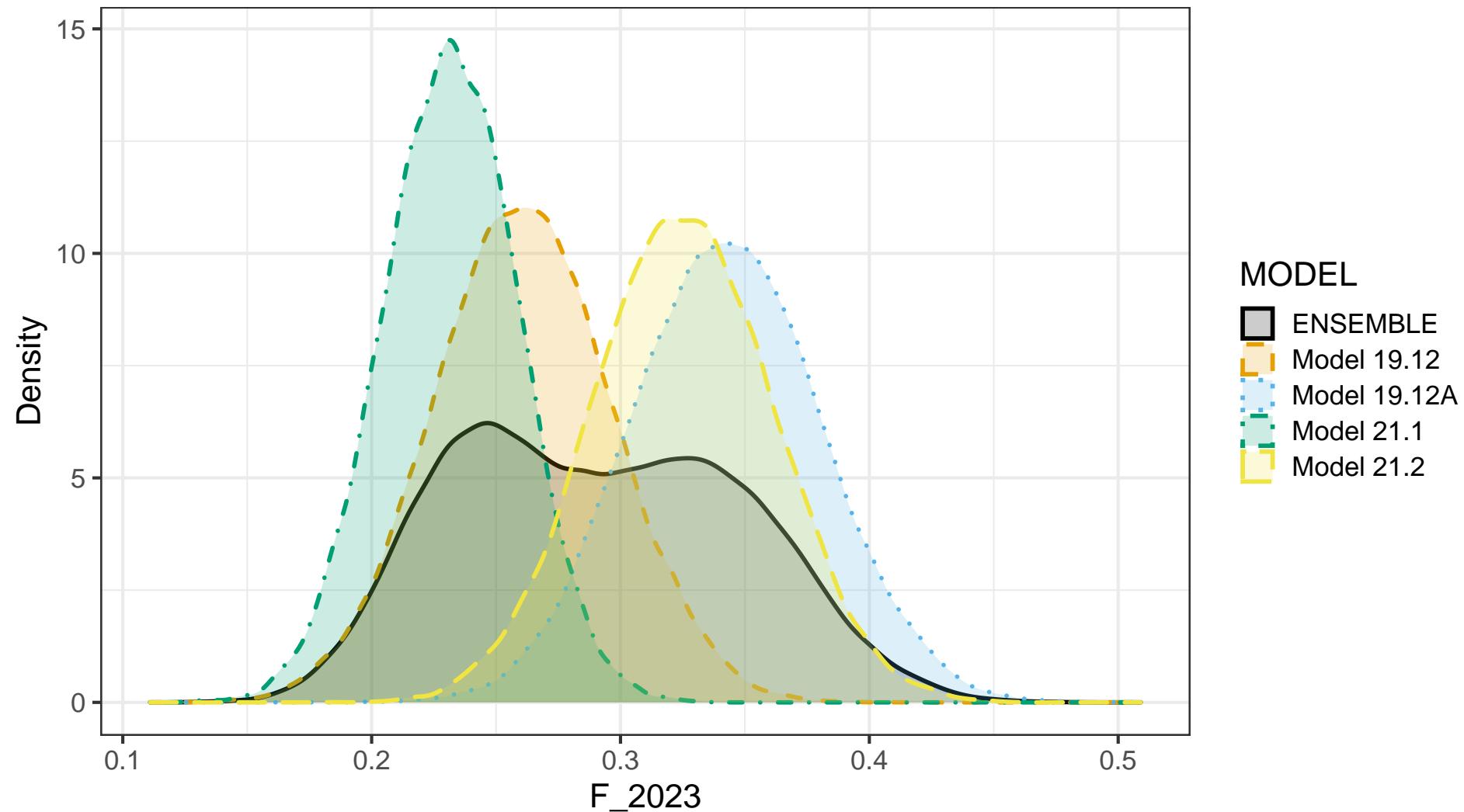
F\_2021



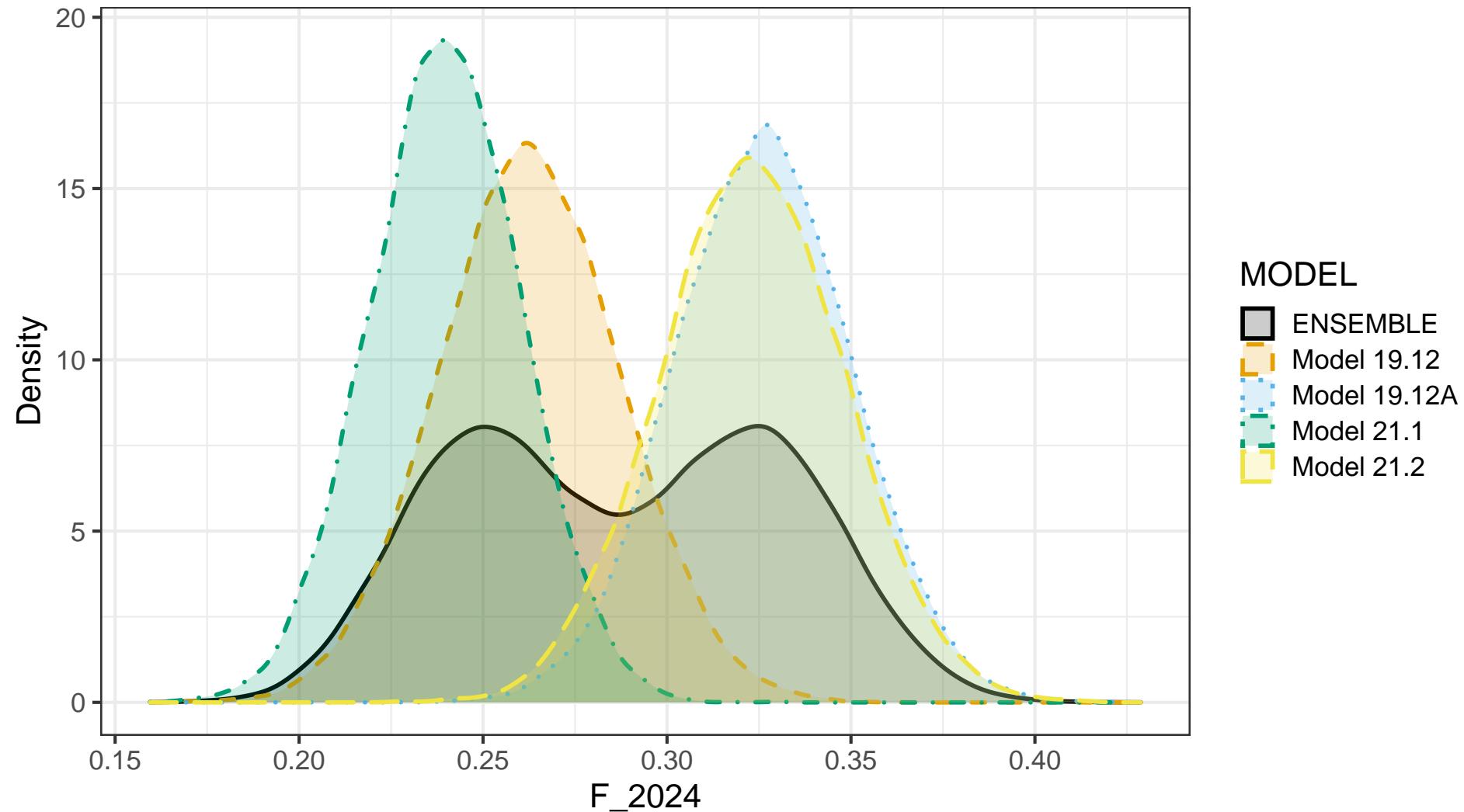
F\_2022



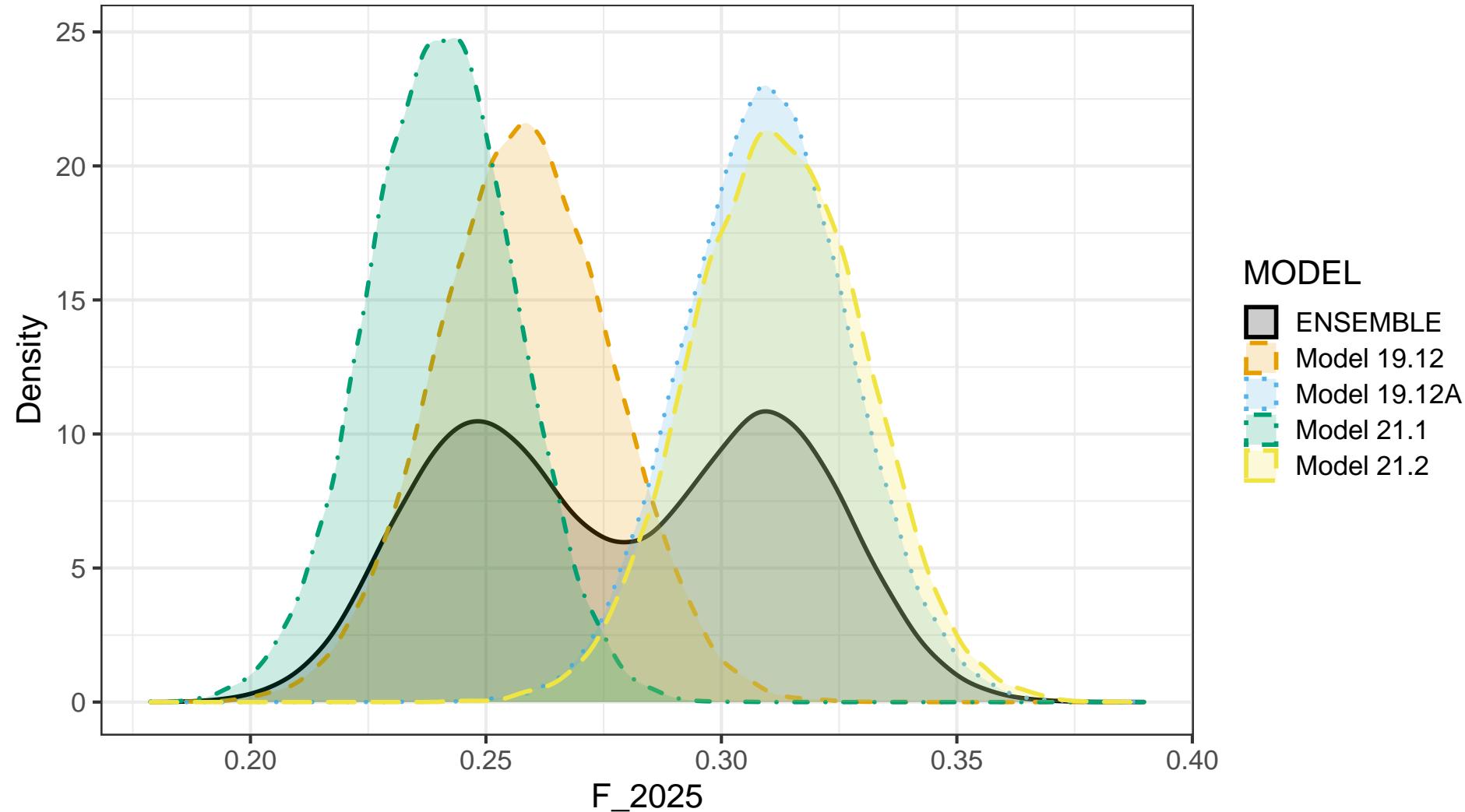
# F\_2023



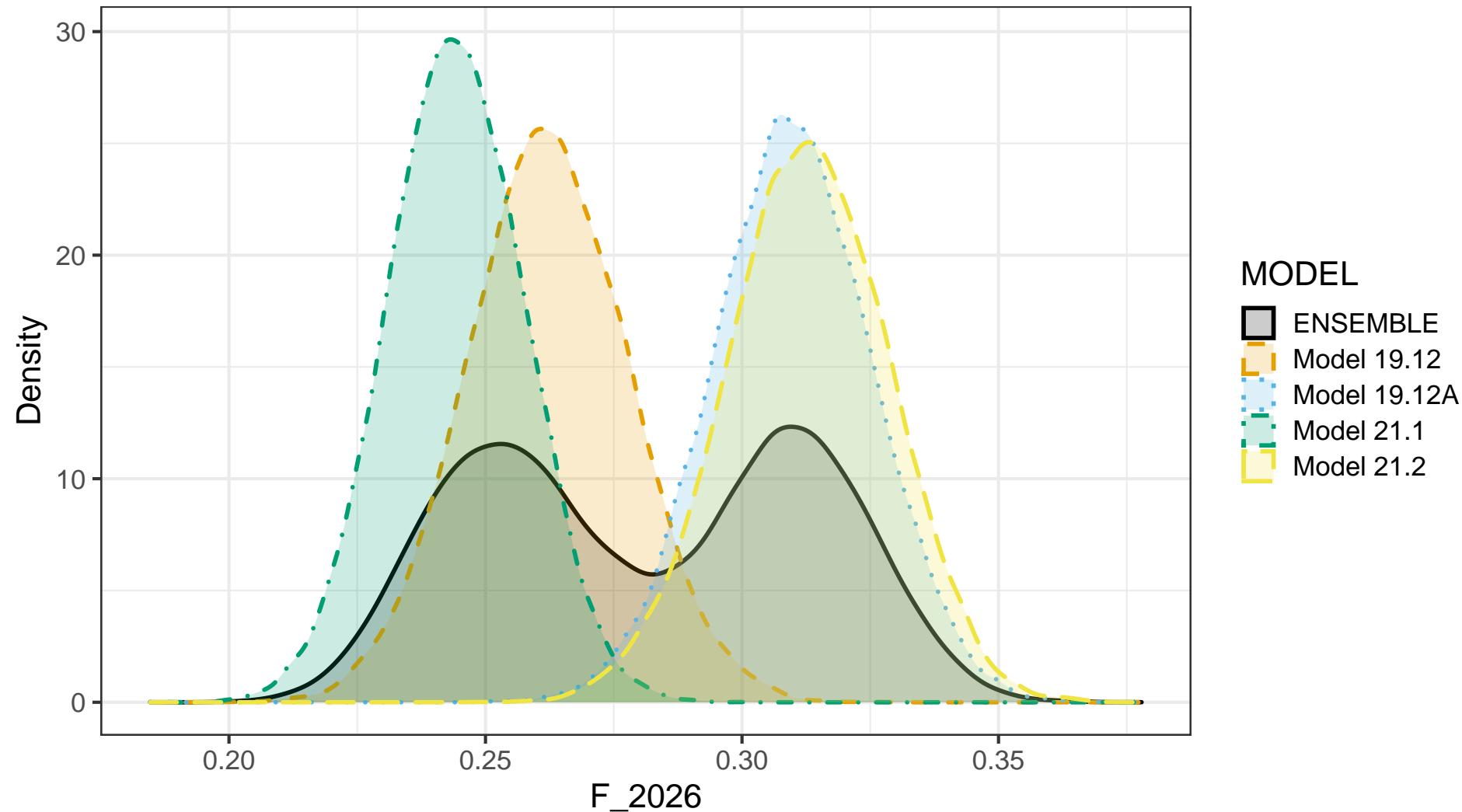
F\_2024



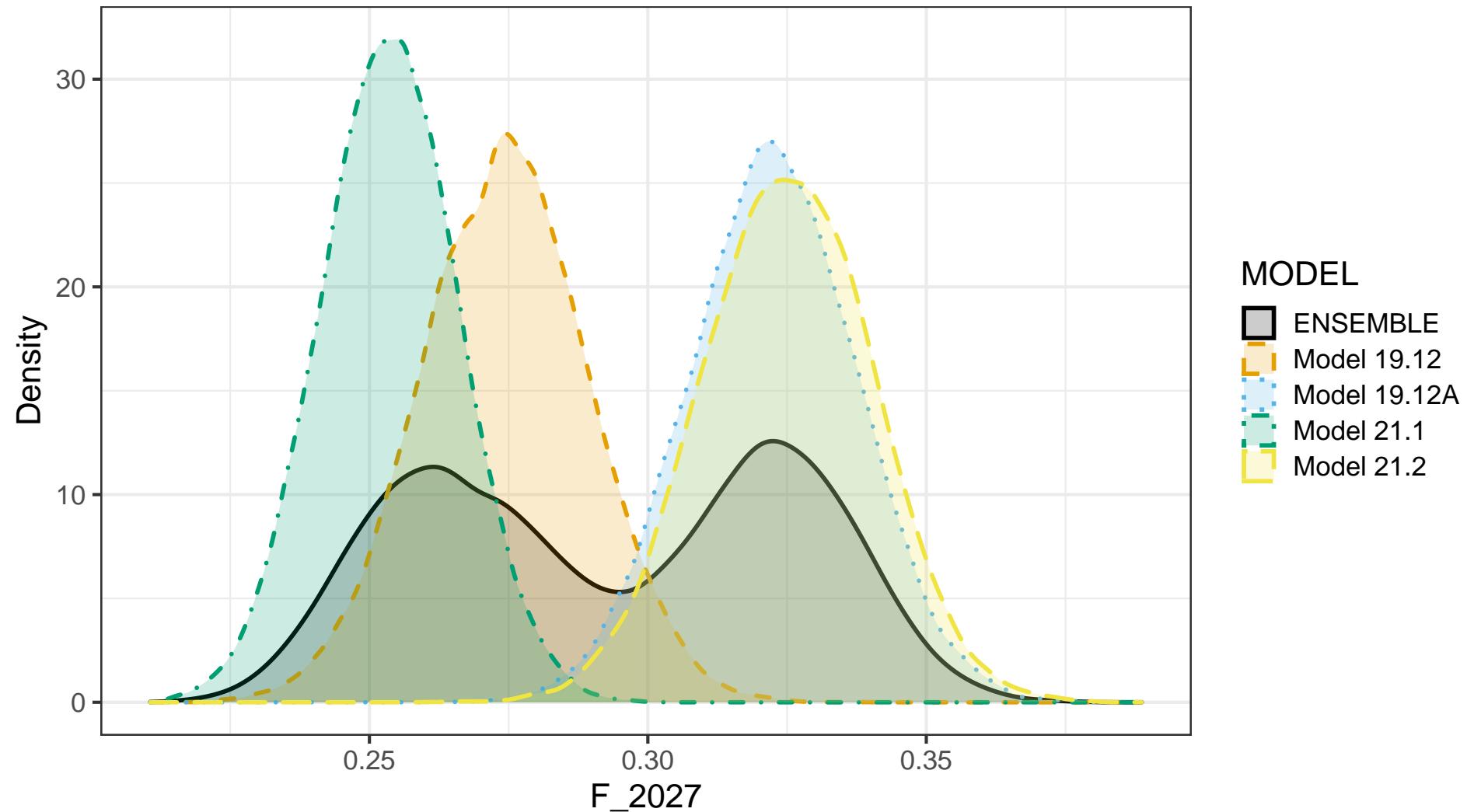
F\_2025



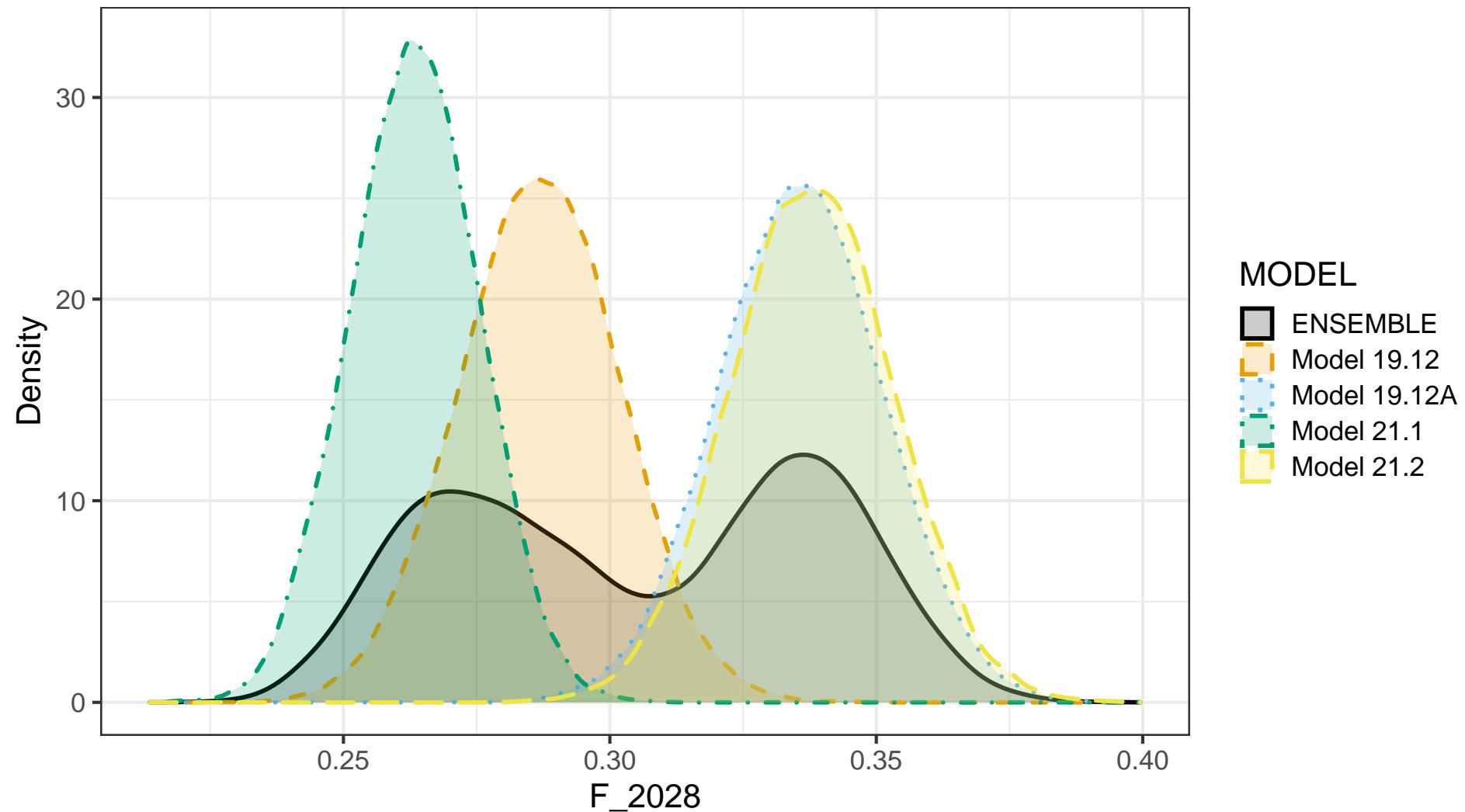
F\_2026



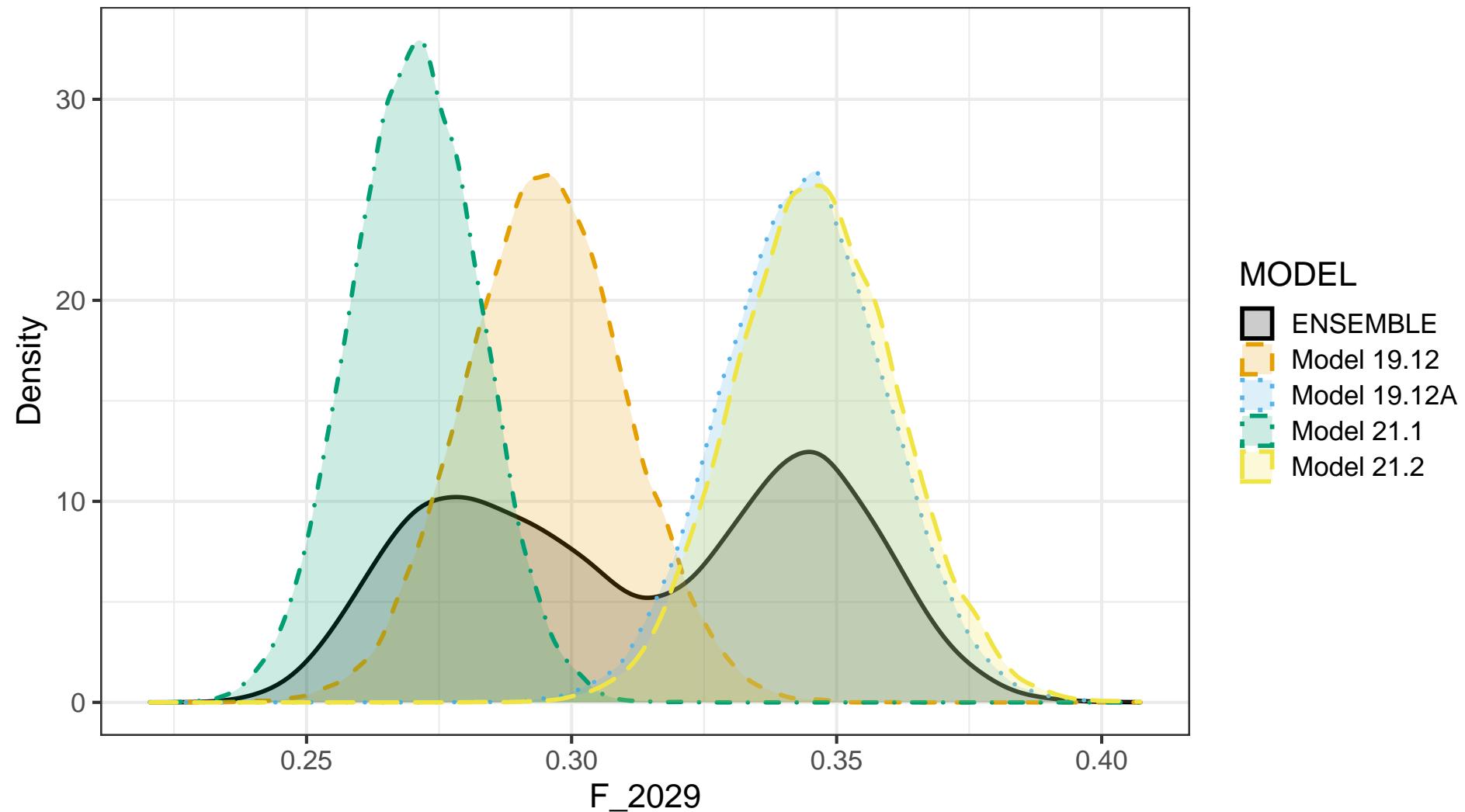
F\_2027



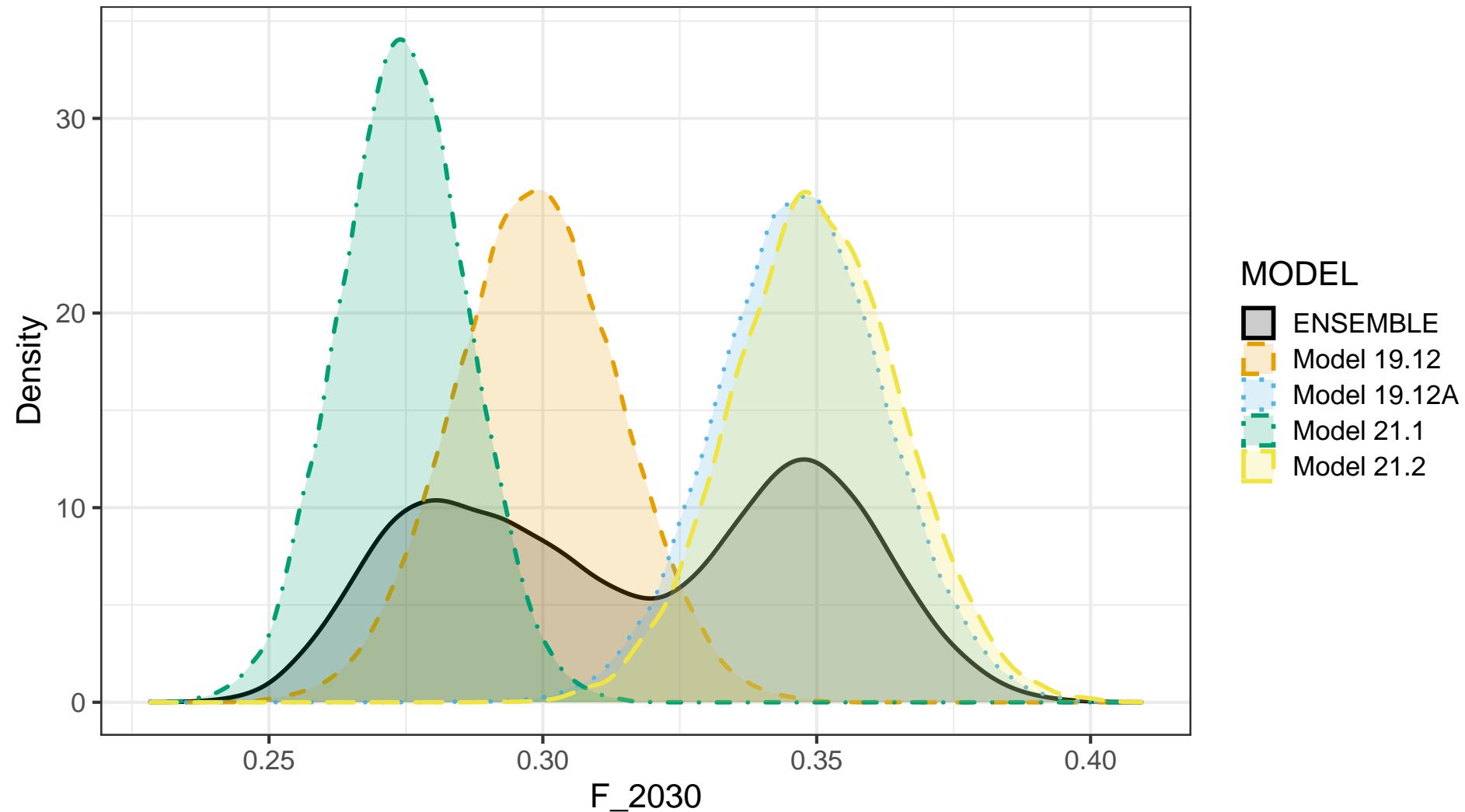
# F\_2028



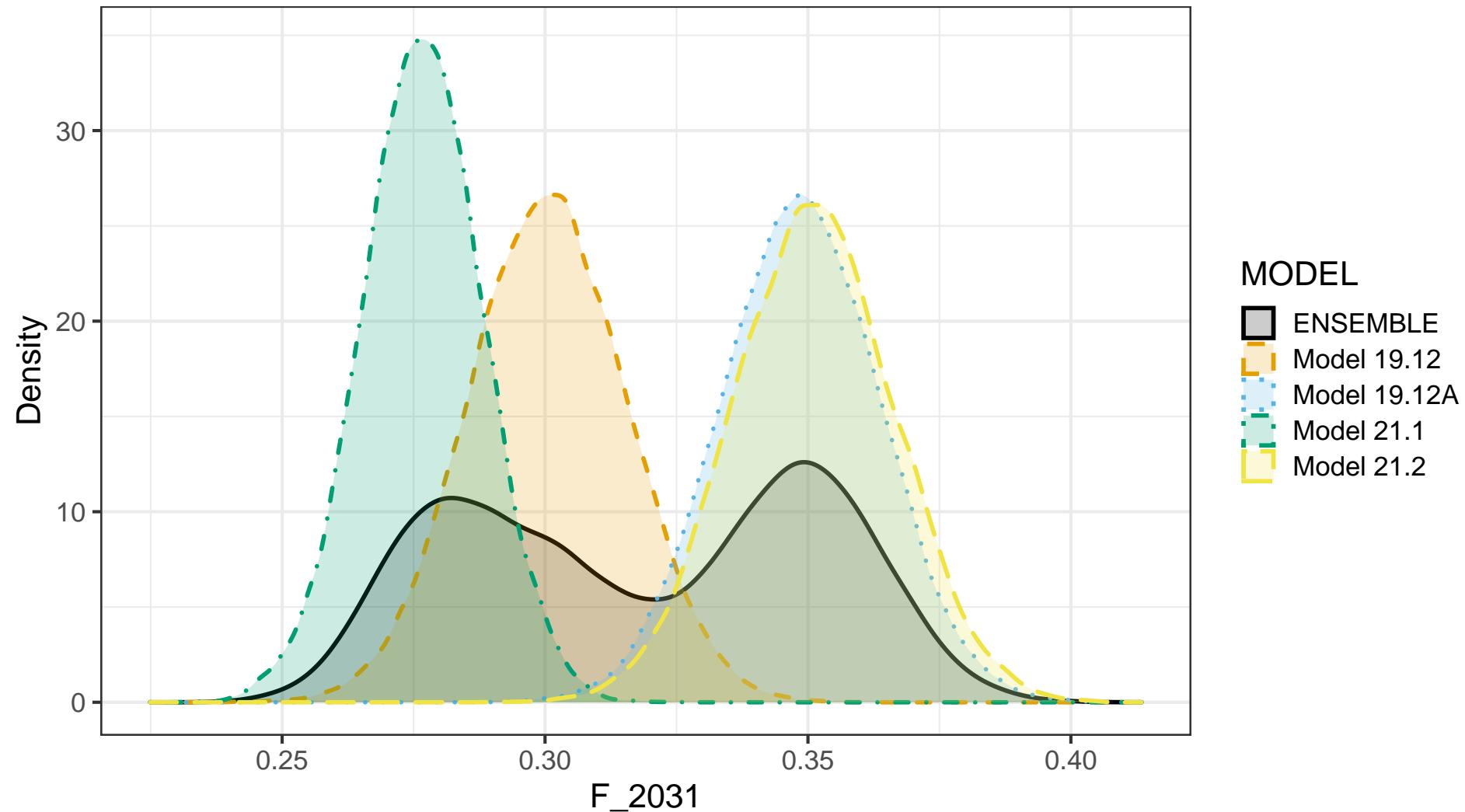
F\_2029



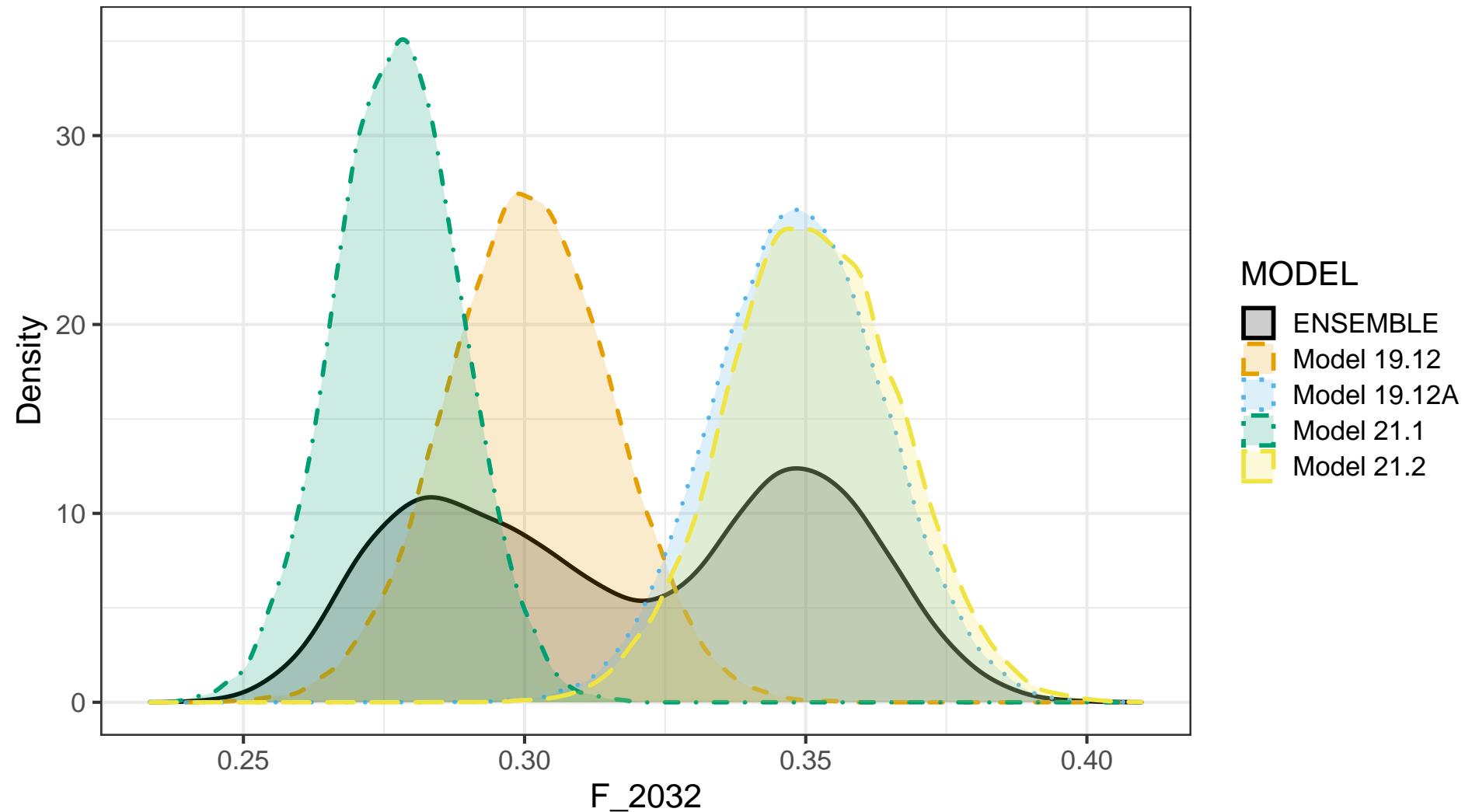
F\_2030



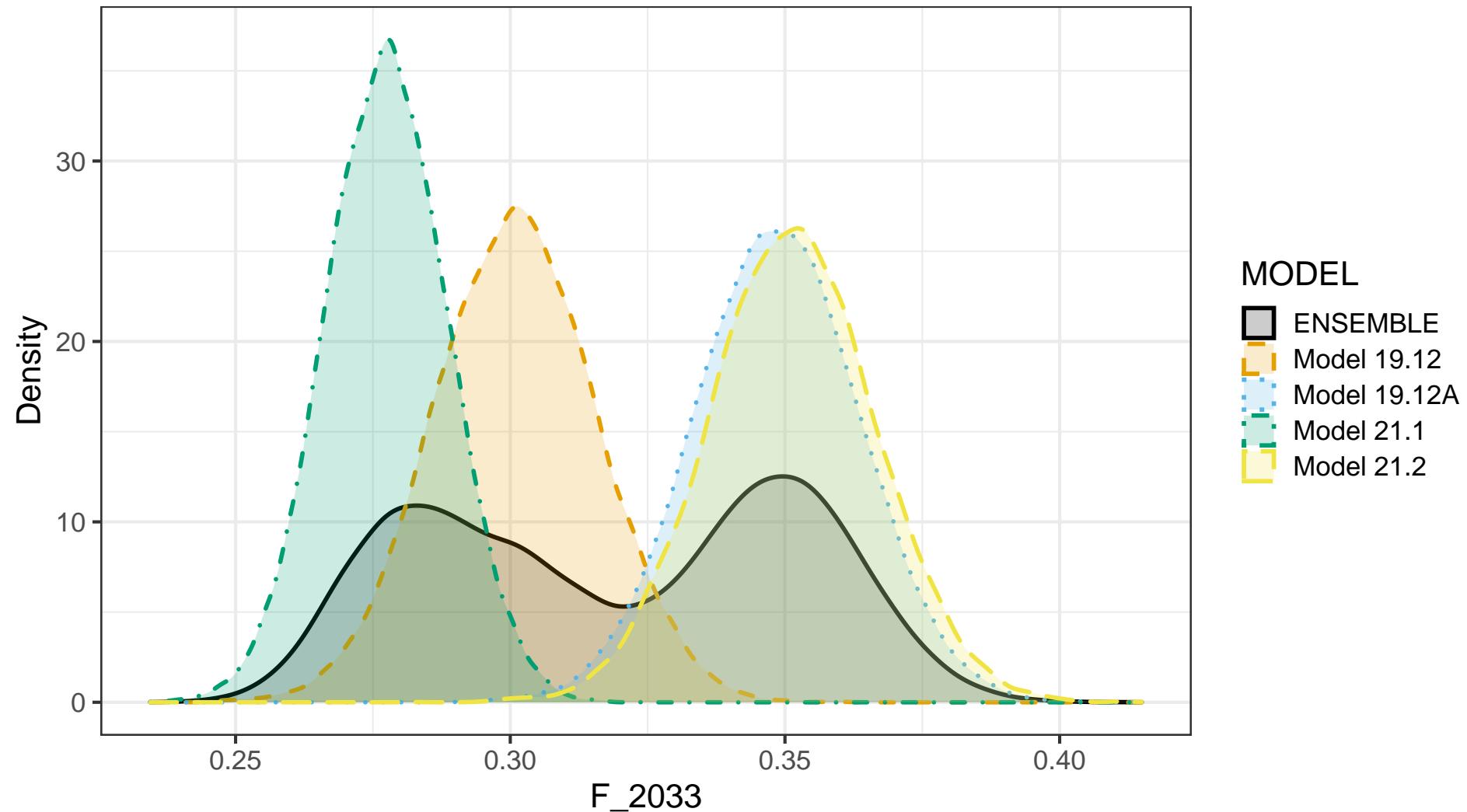
F\_2031



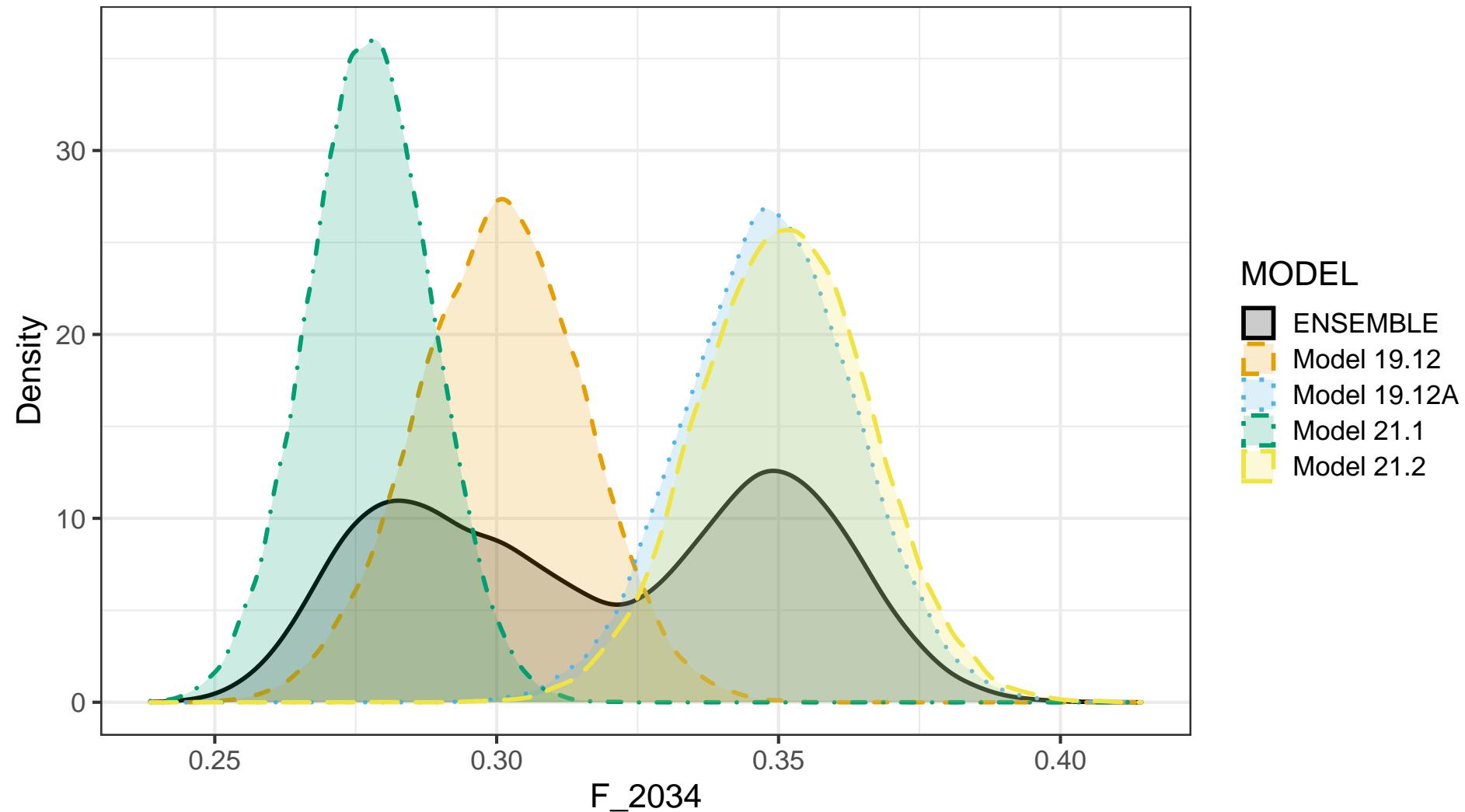
F\_2032



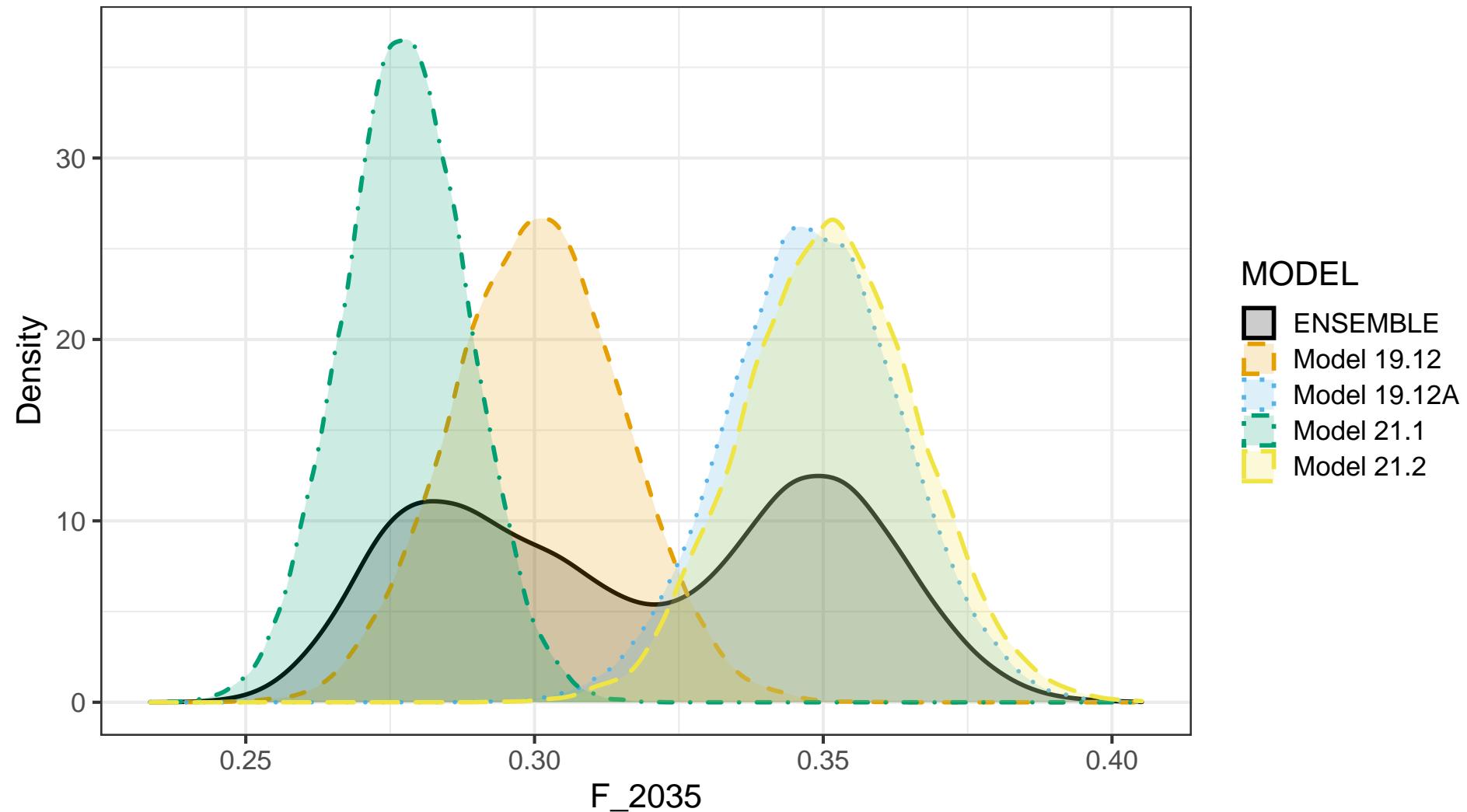
# F\_2033



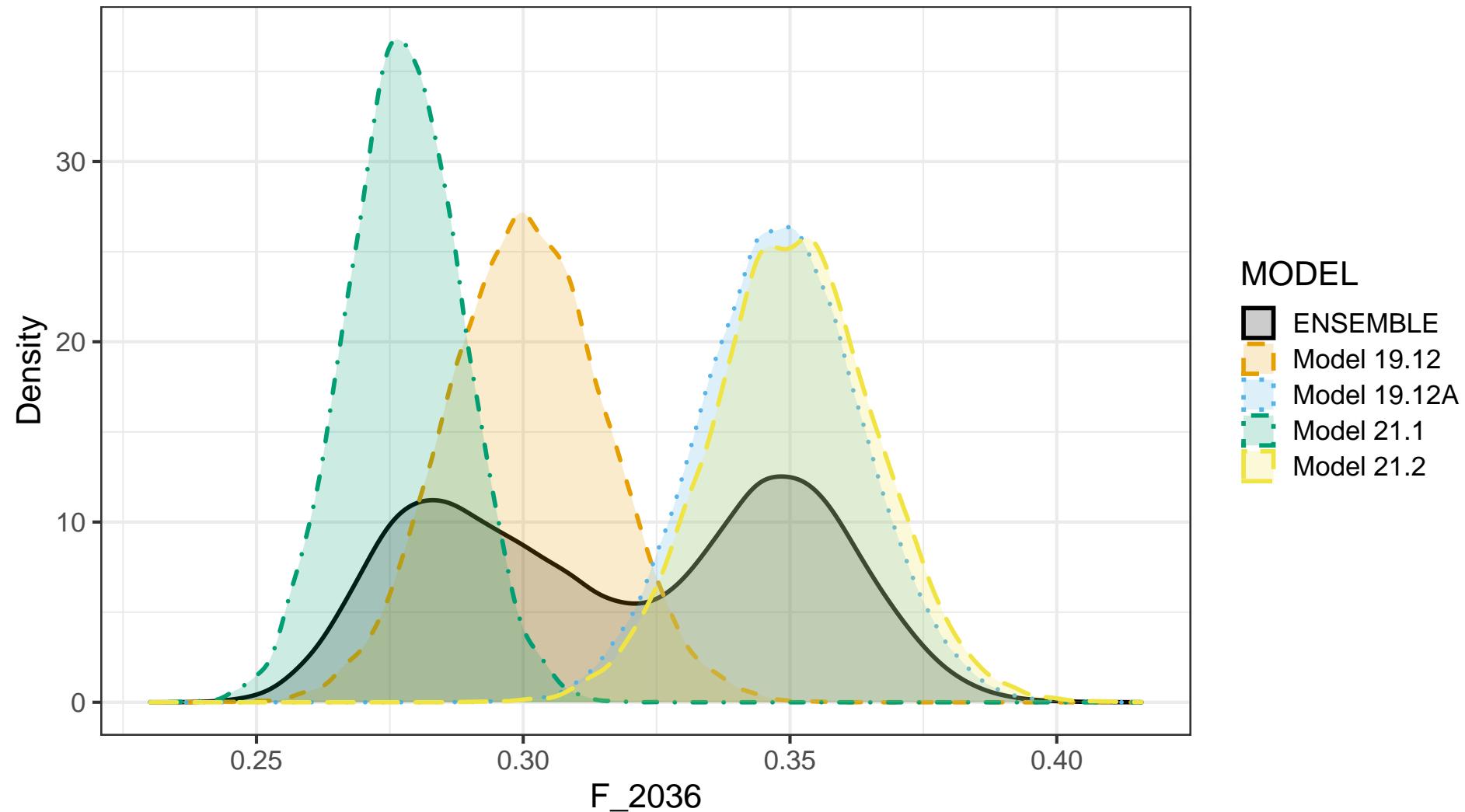
F\_2034



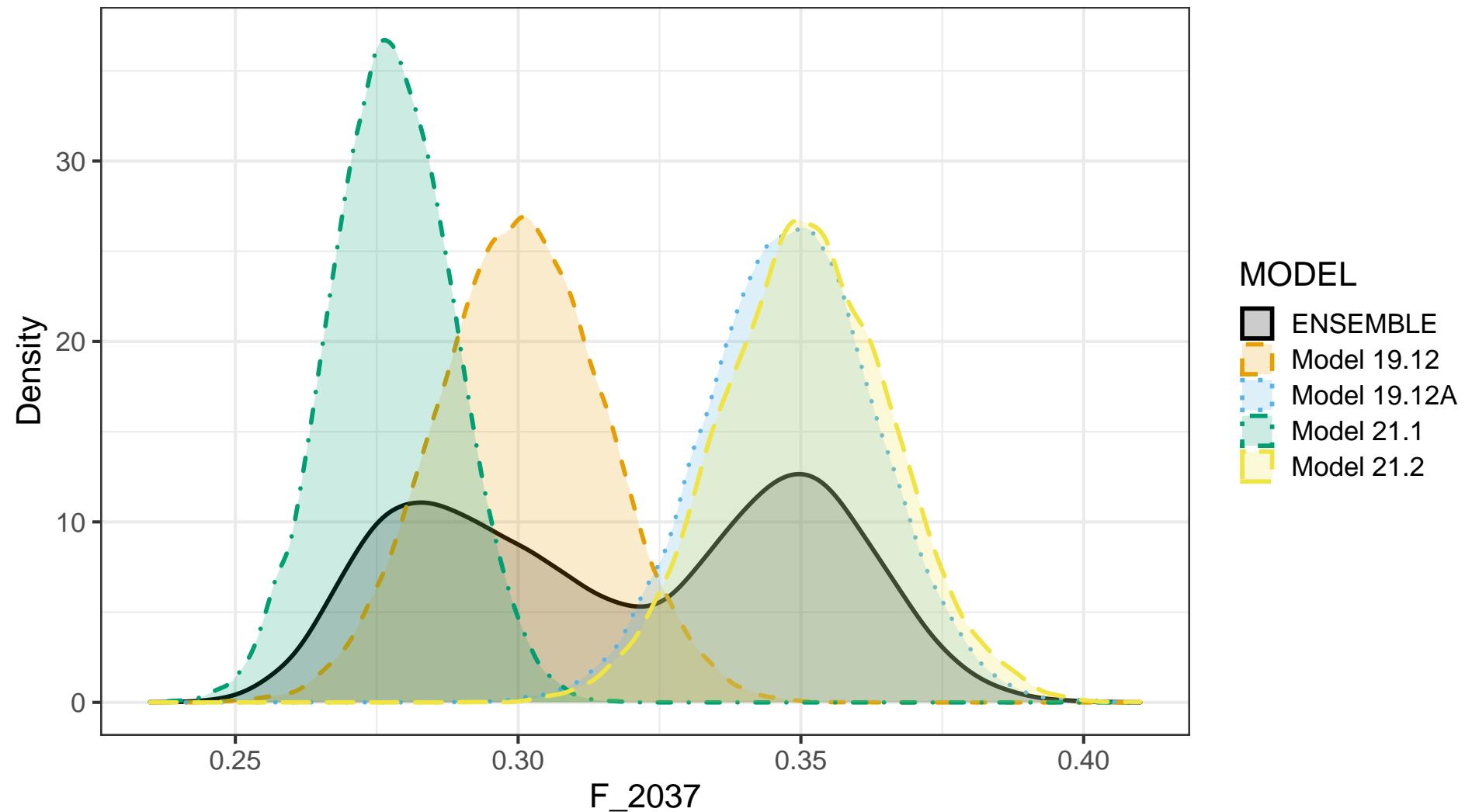
# F\_2035



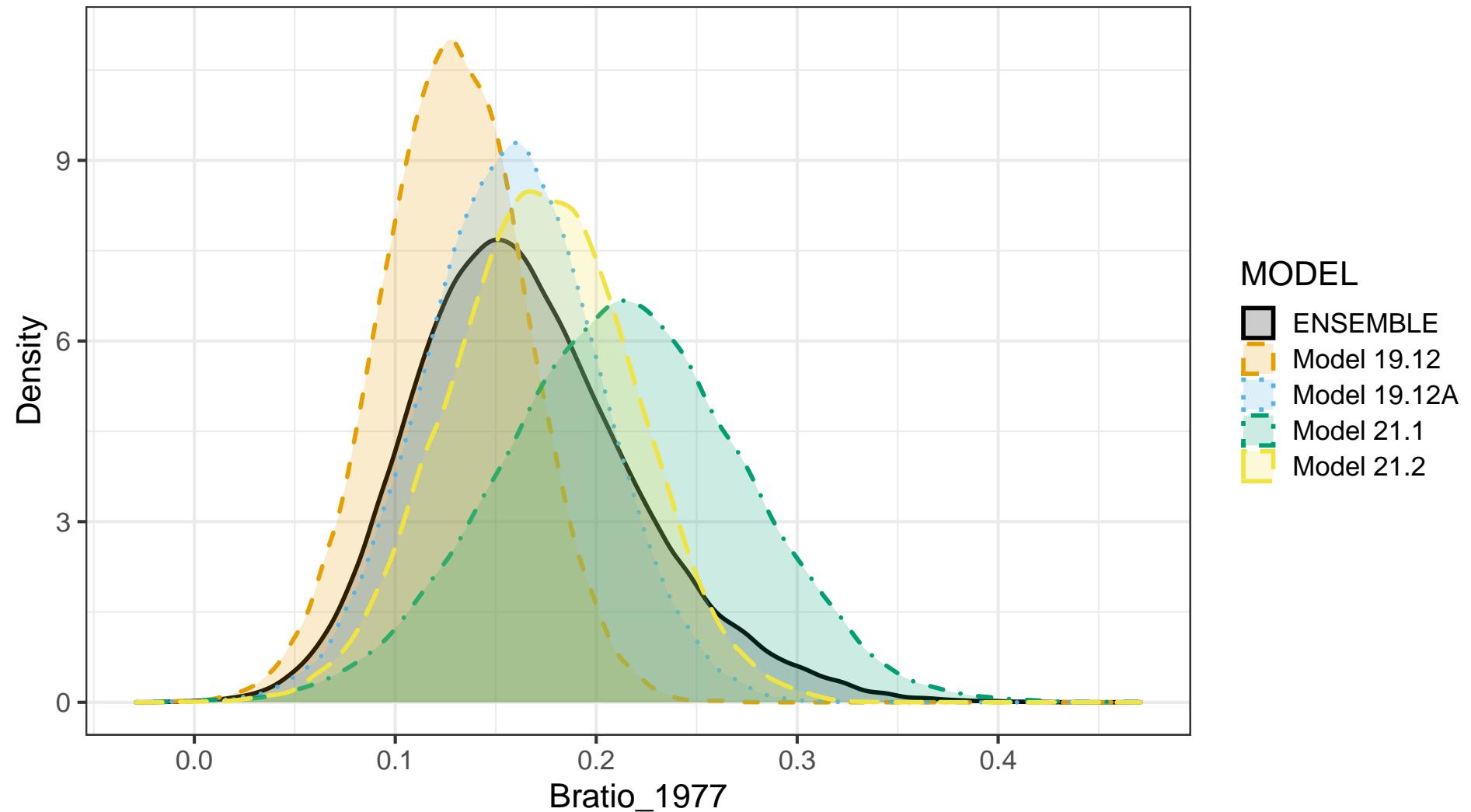
F\_2036



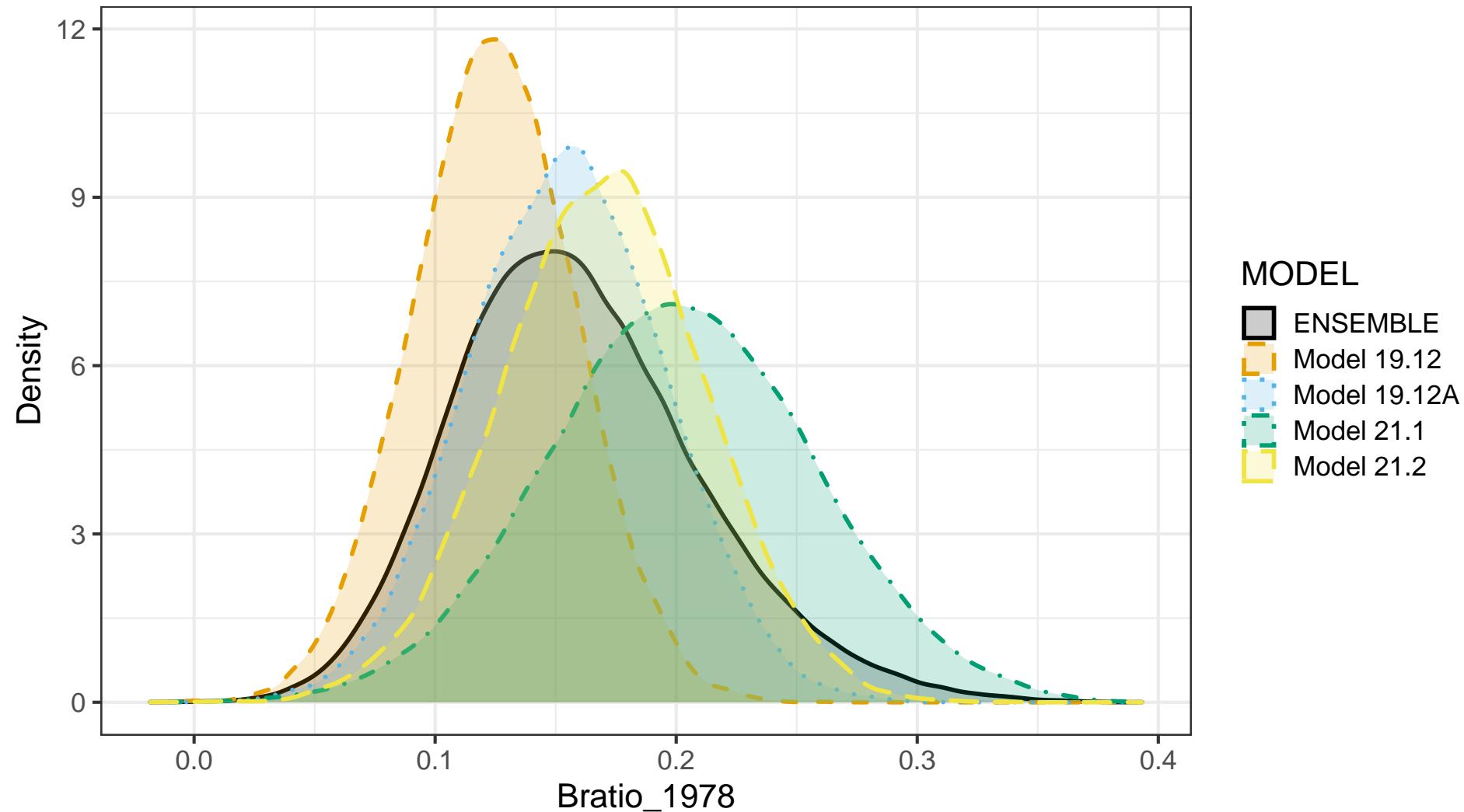
F\_2037



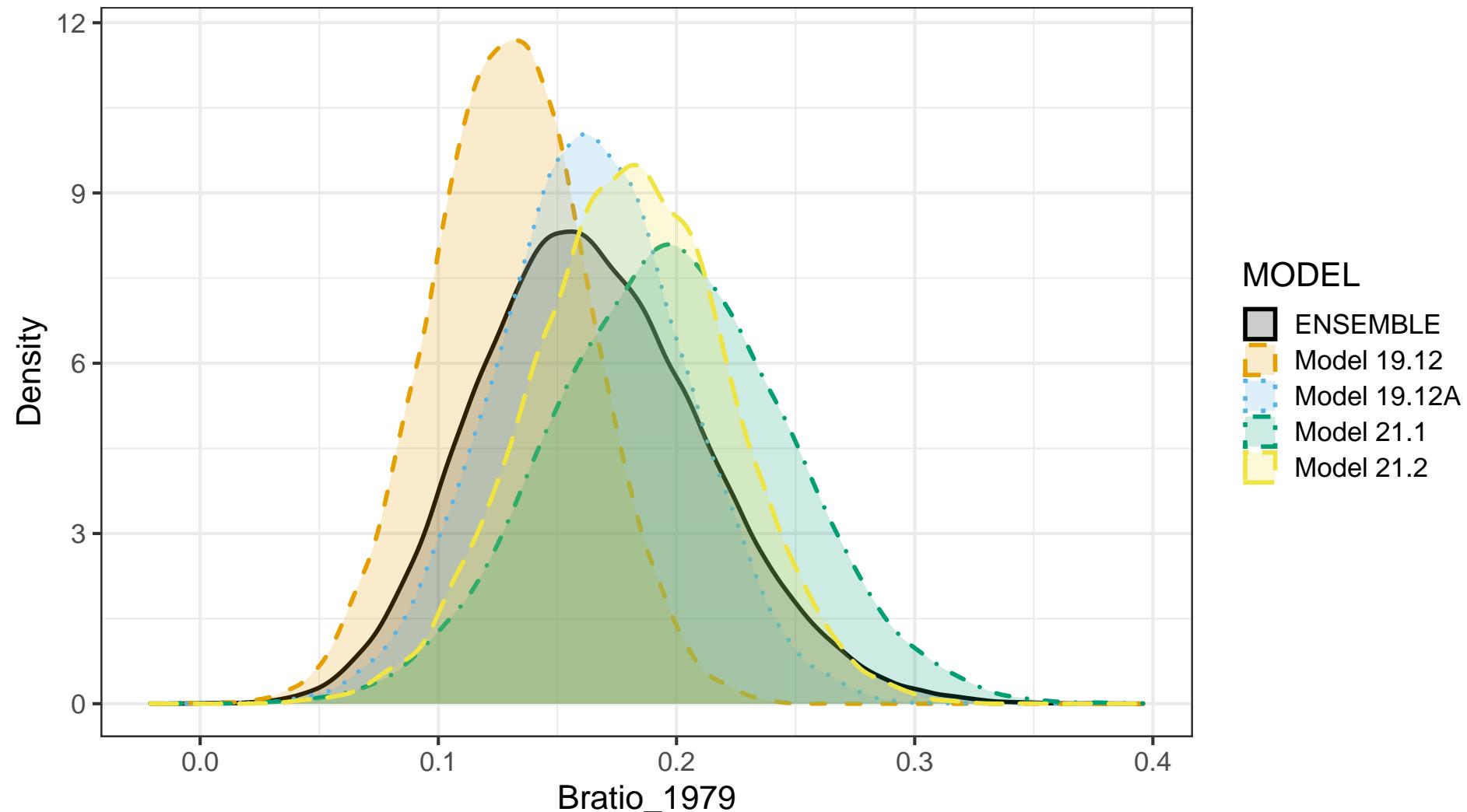
# Bratio\_1977



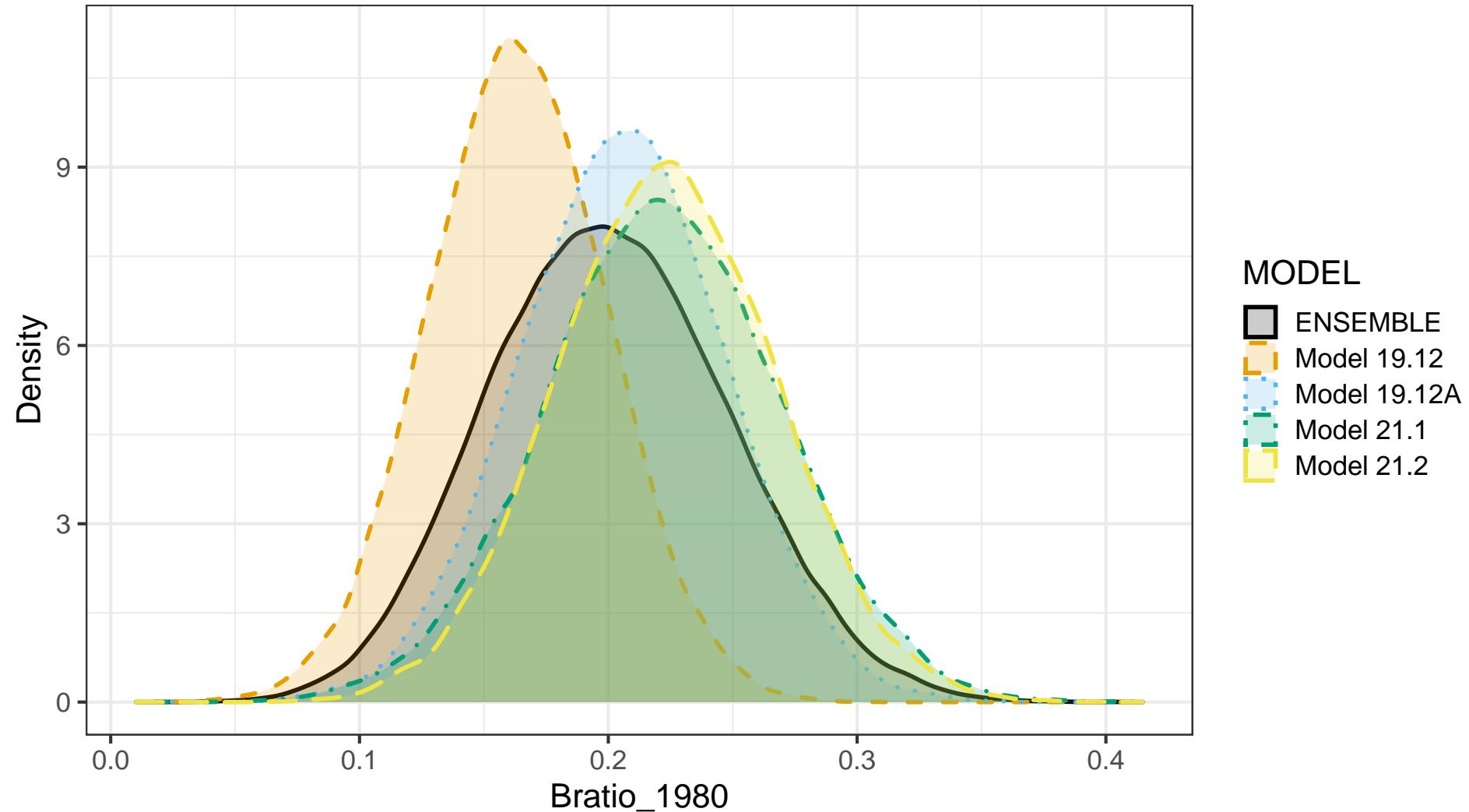
# Bratio\_1978



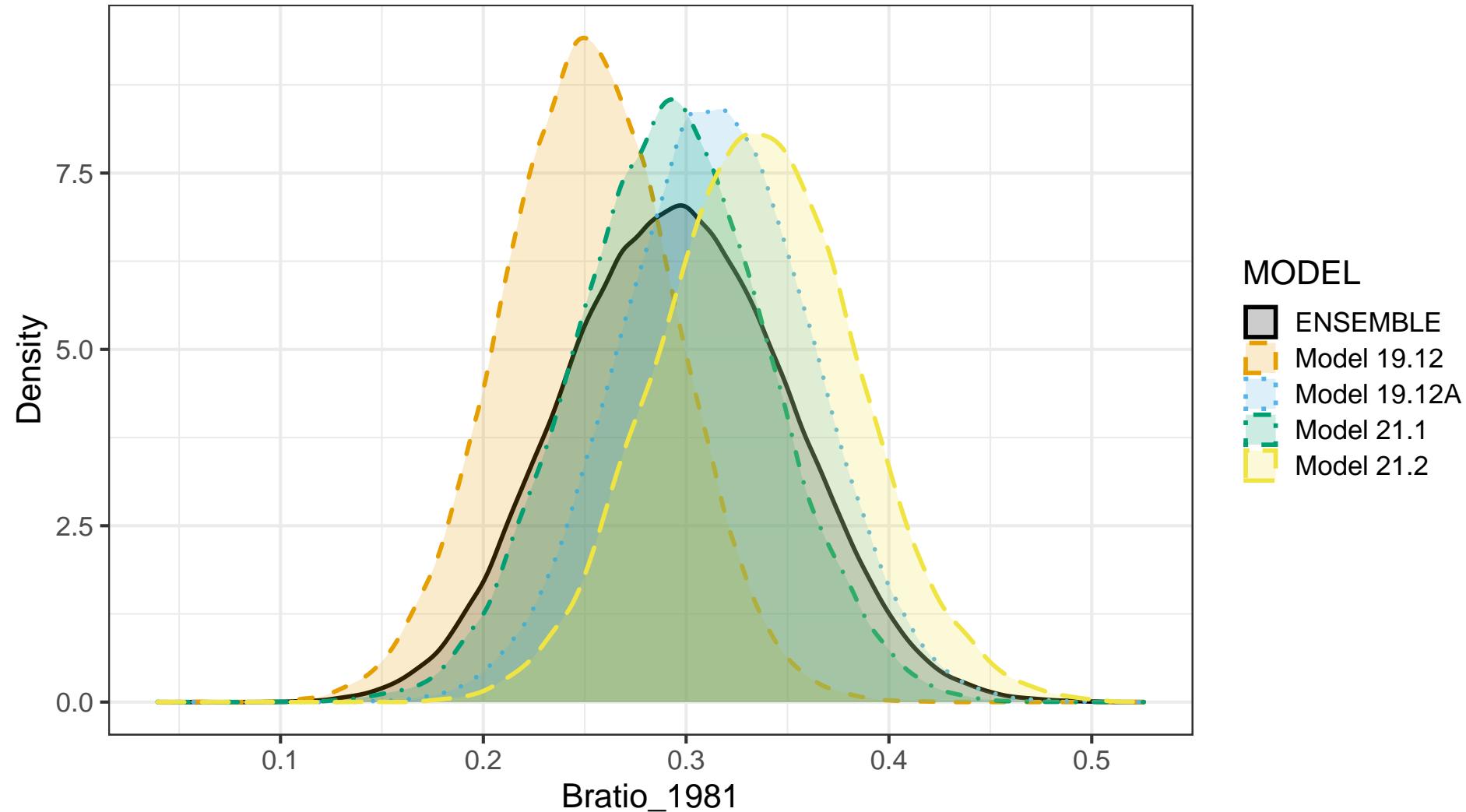
# Bratio\_1979



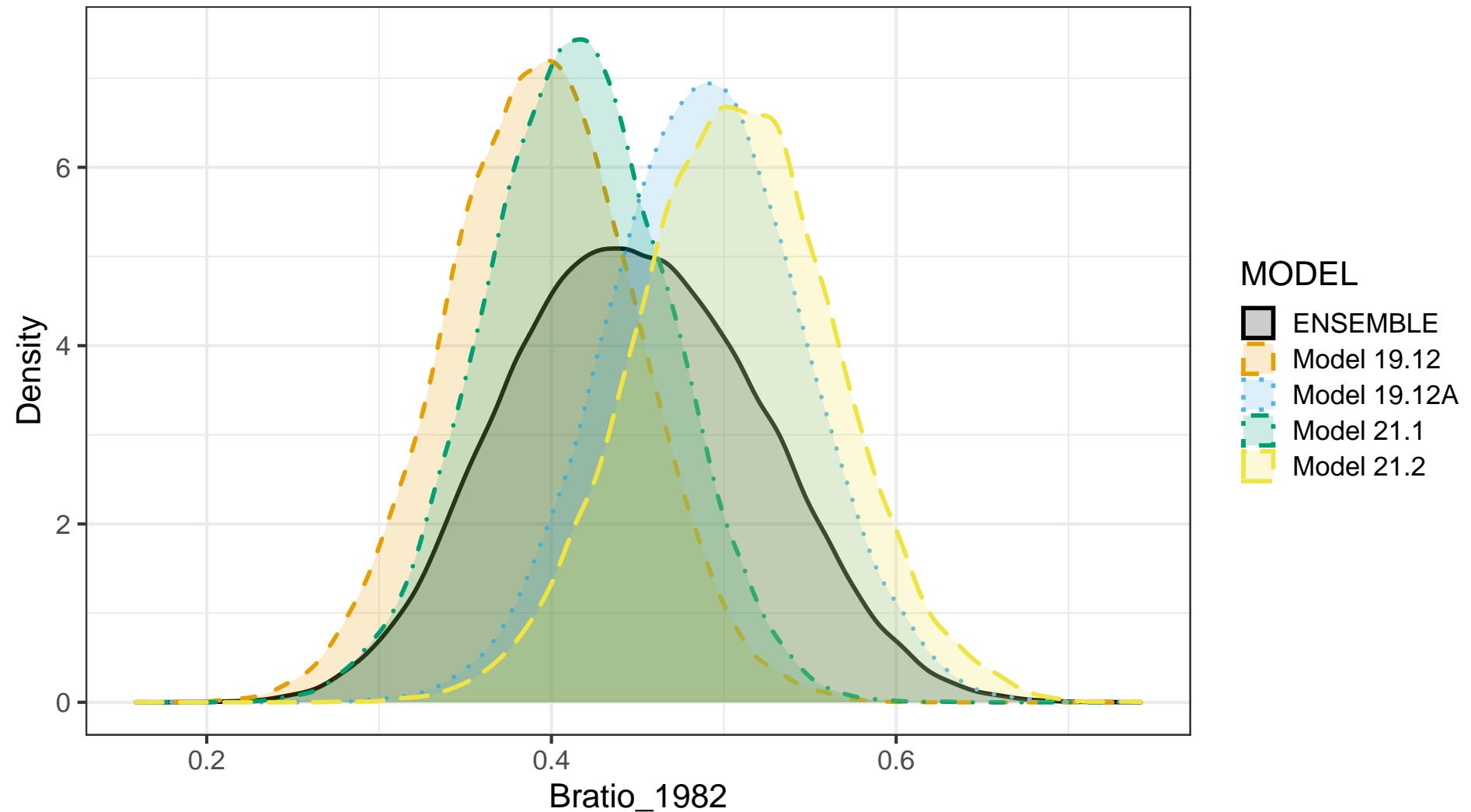
# Bratio\_1980



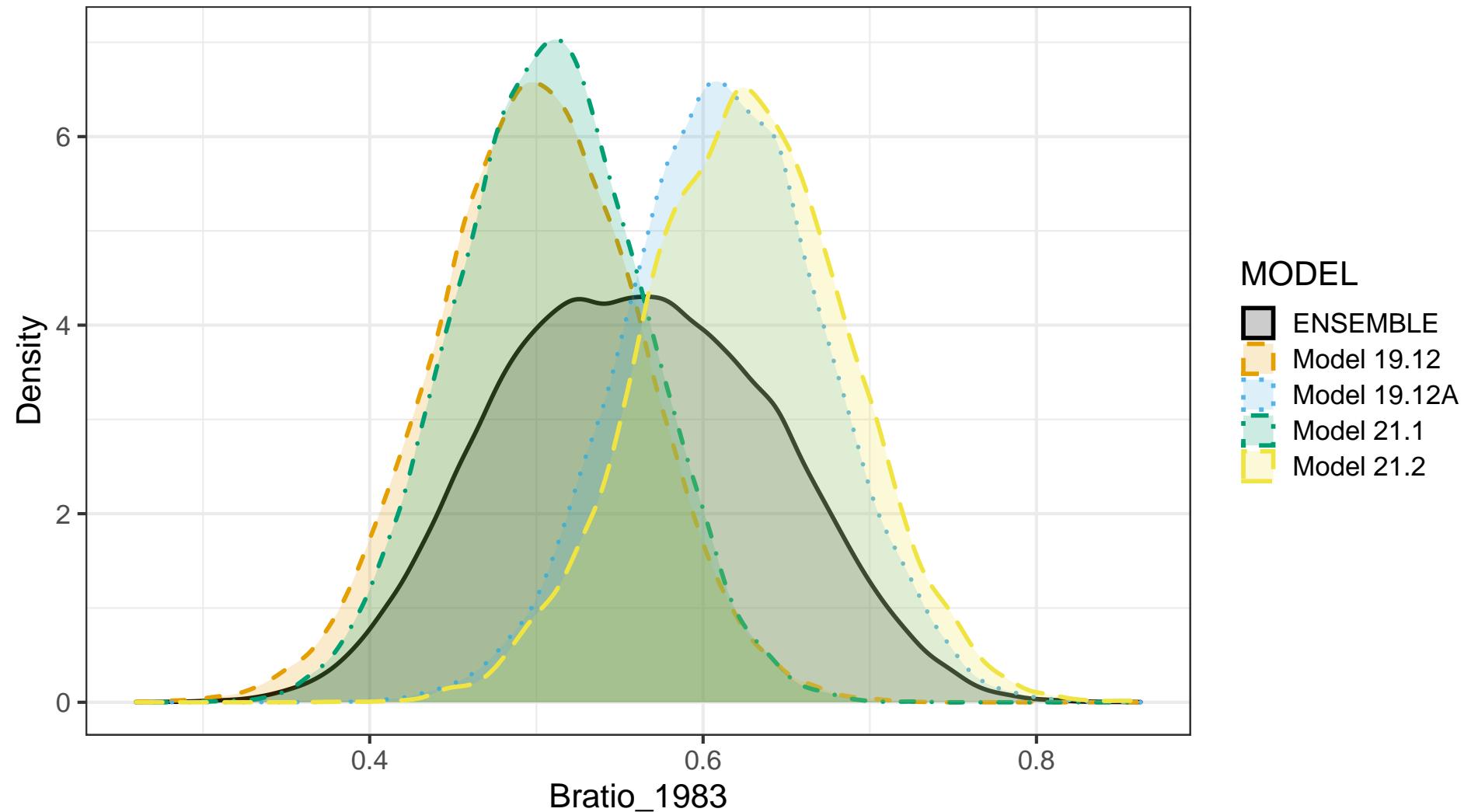
# Bratio\_1981



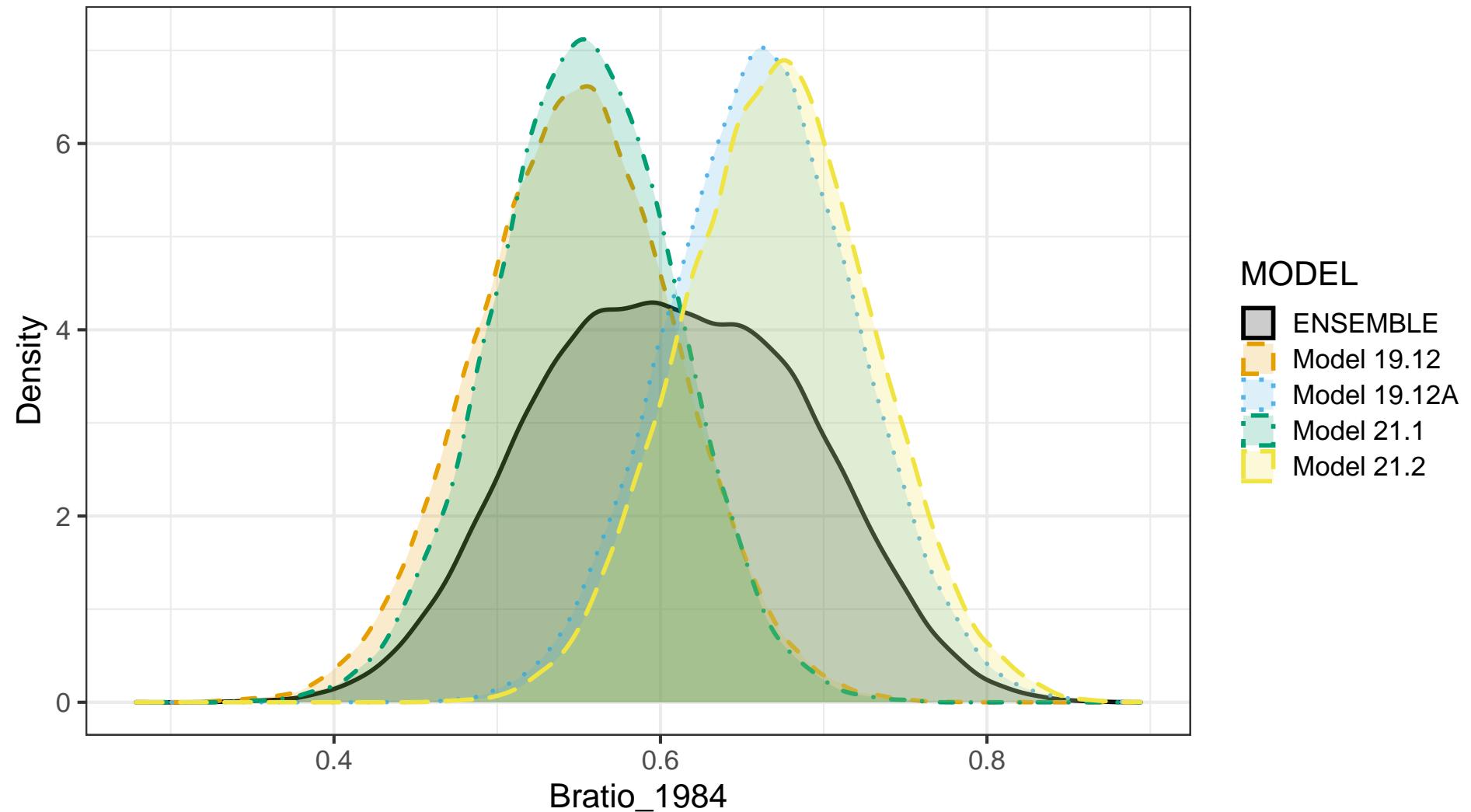
# Bratio\_1982



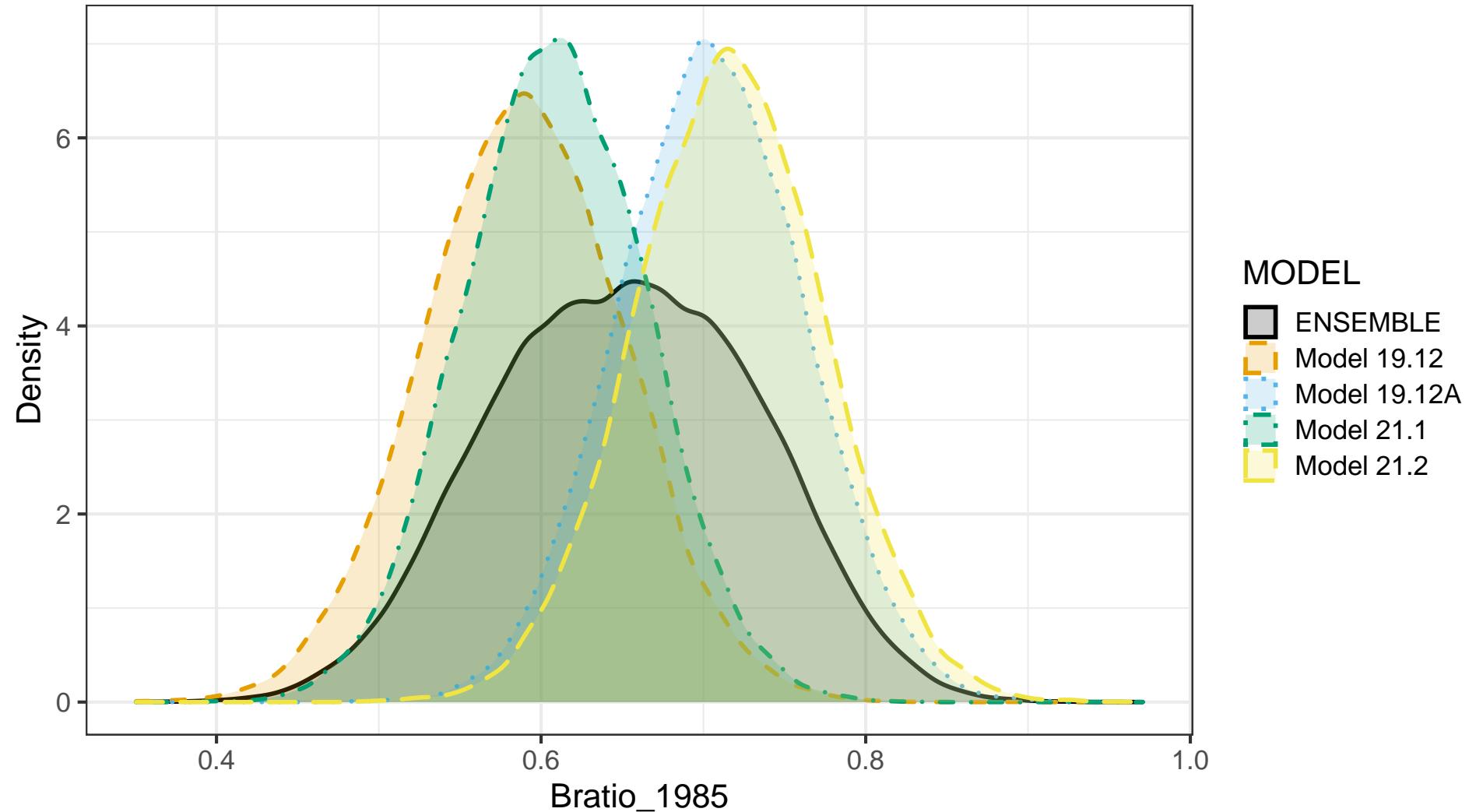
# Bratio\_1983



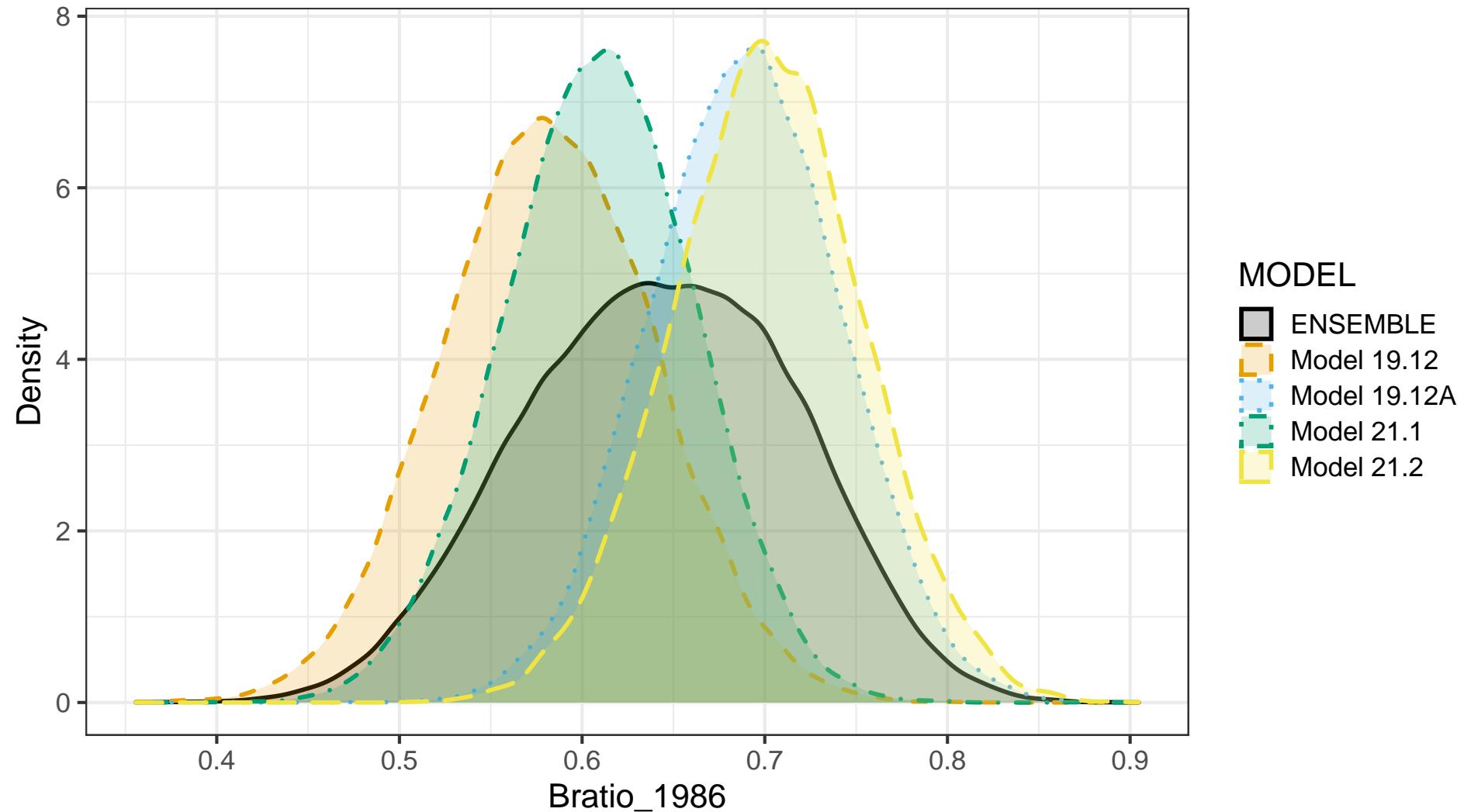
# Bratio\_1984



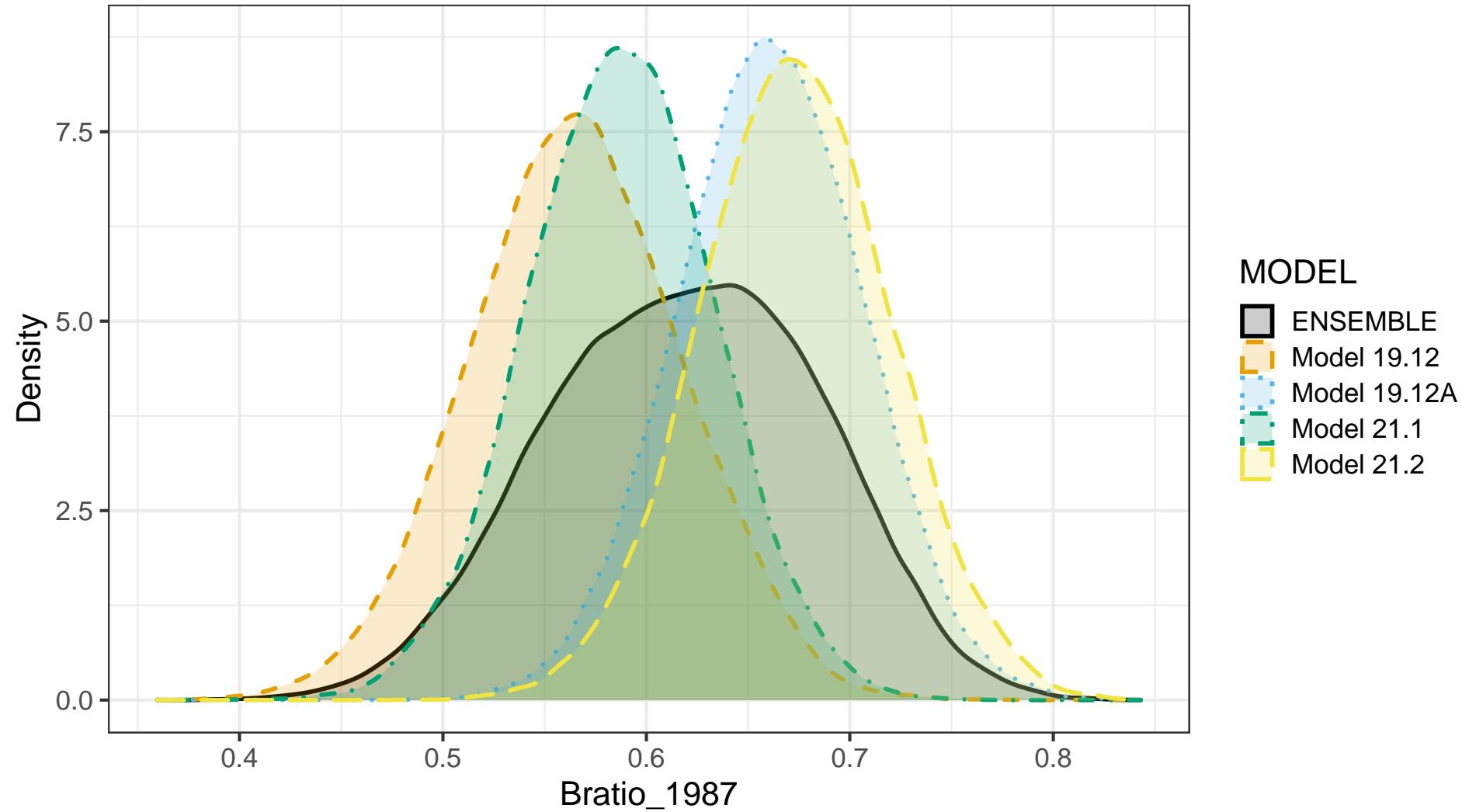
# Bratio\_1985



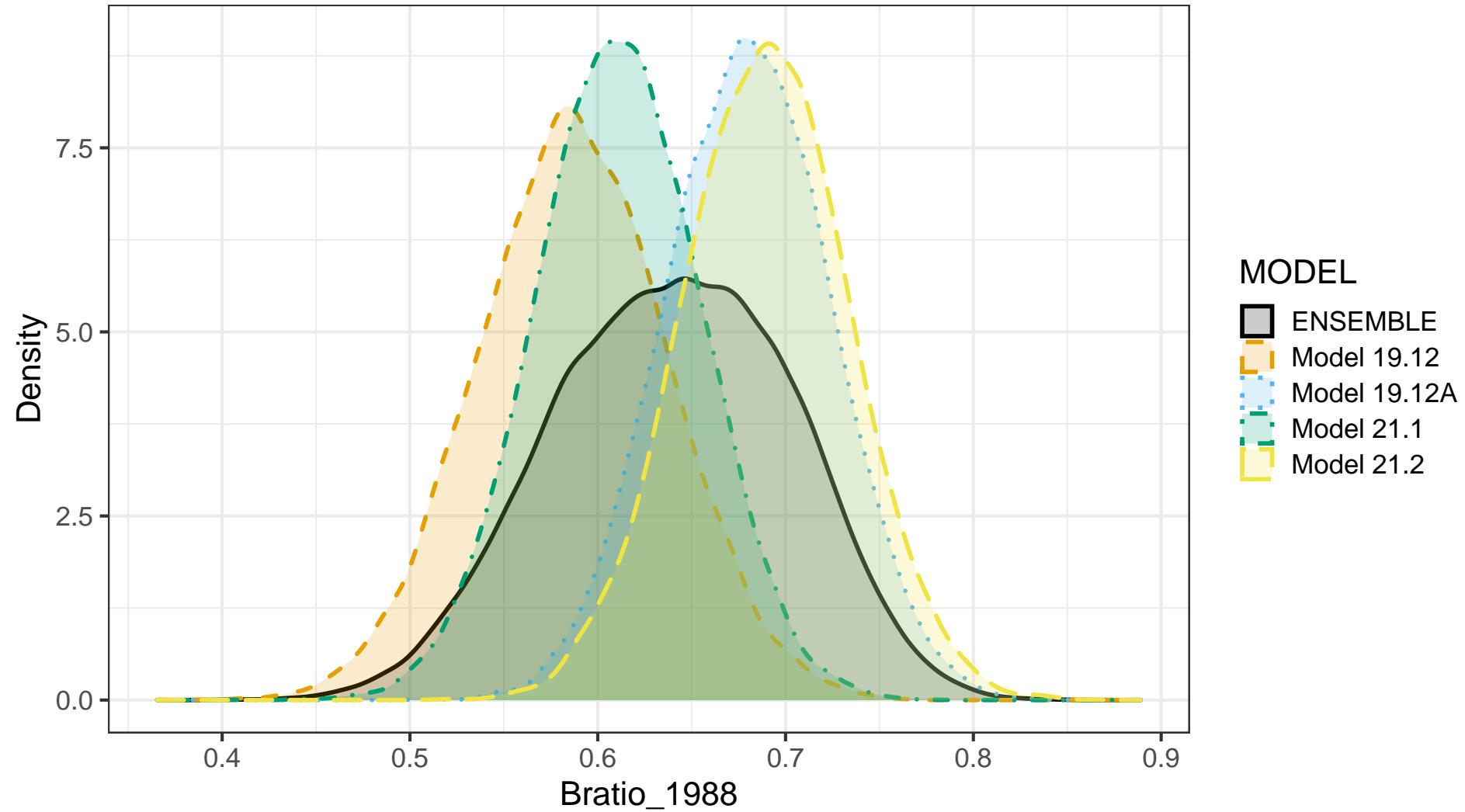
# Bratio\_1986



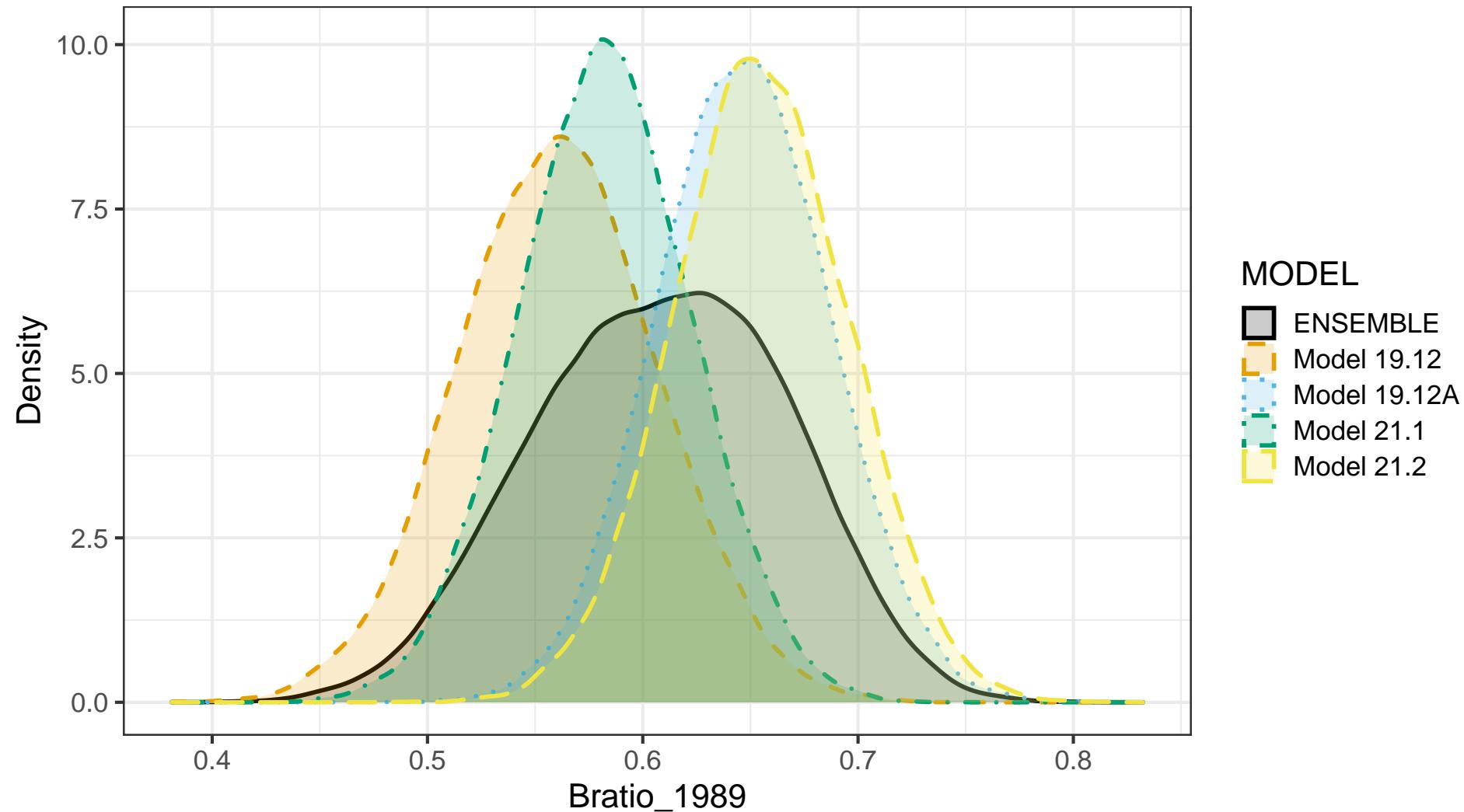
# Bratio\_1987



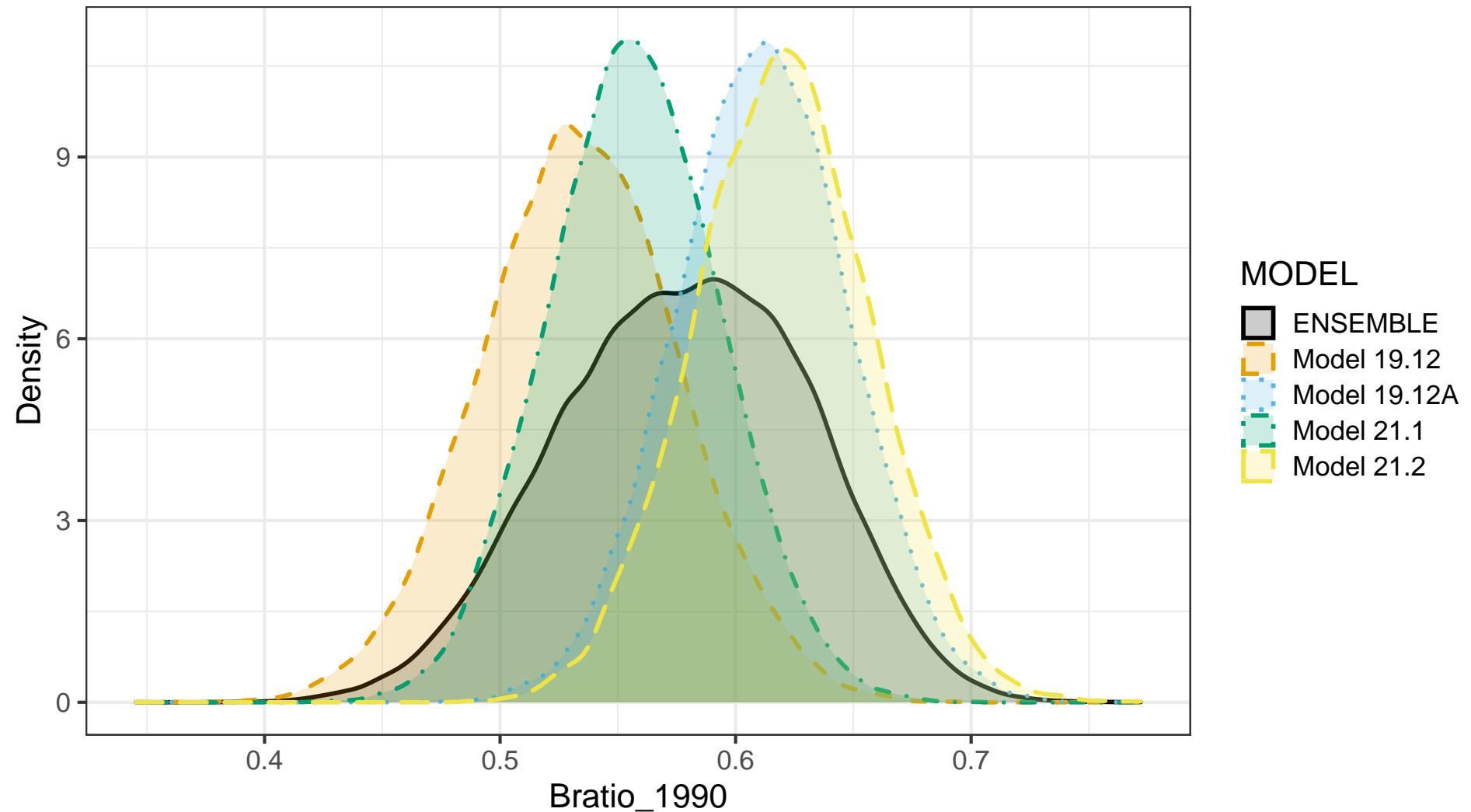
# Bratio\_1988



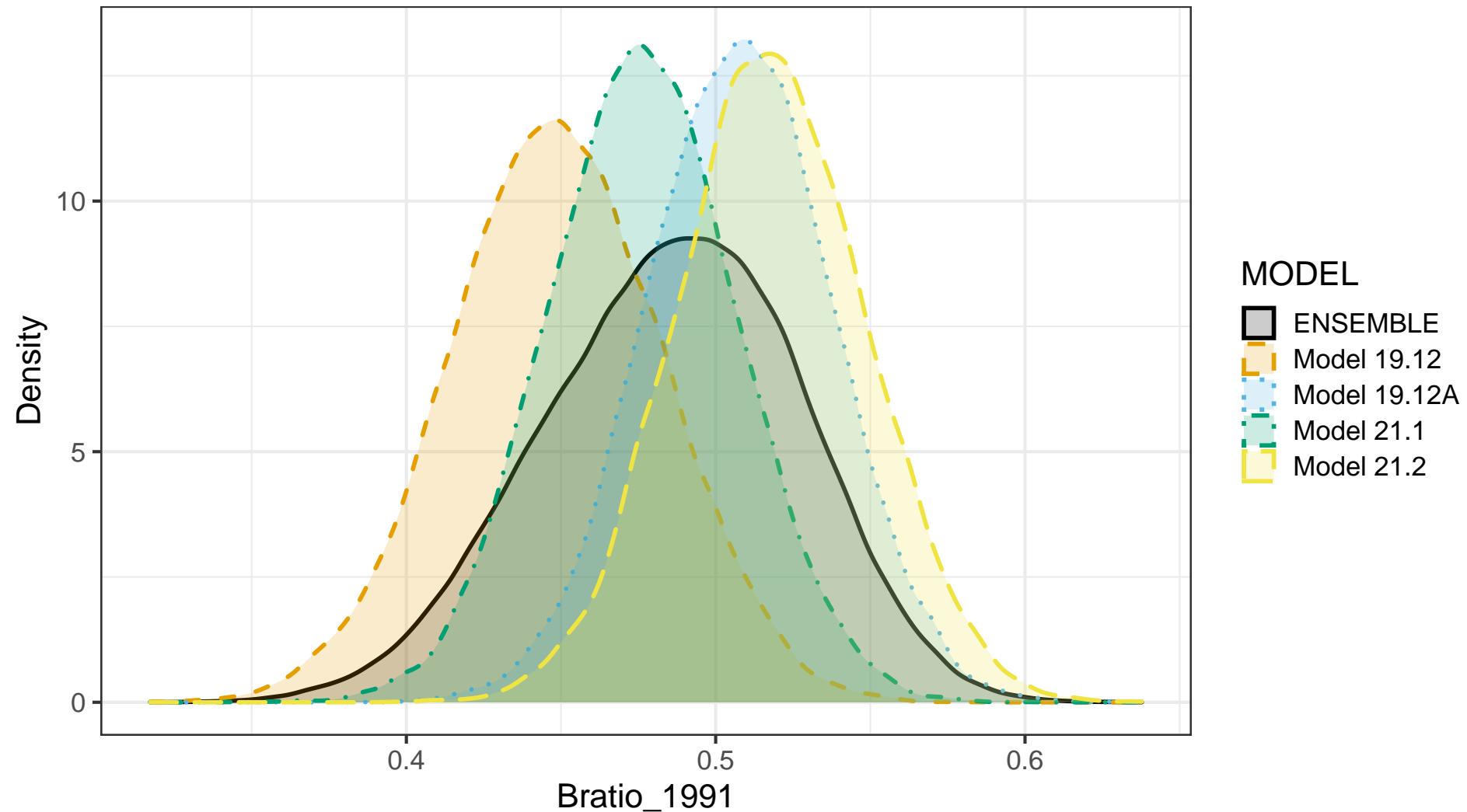
# Bratio\_1989



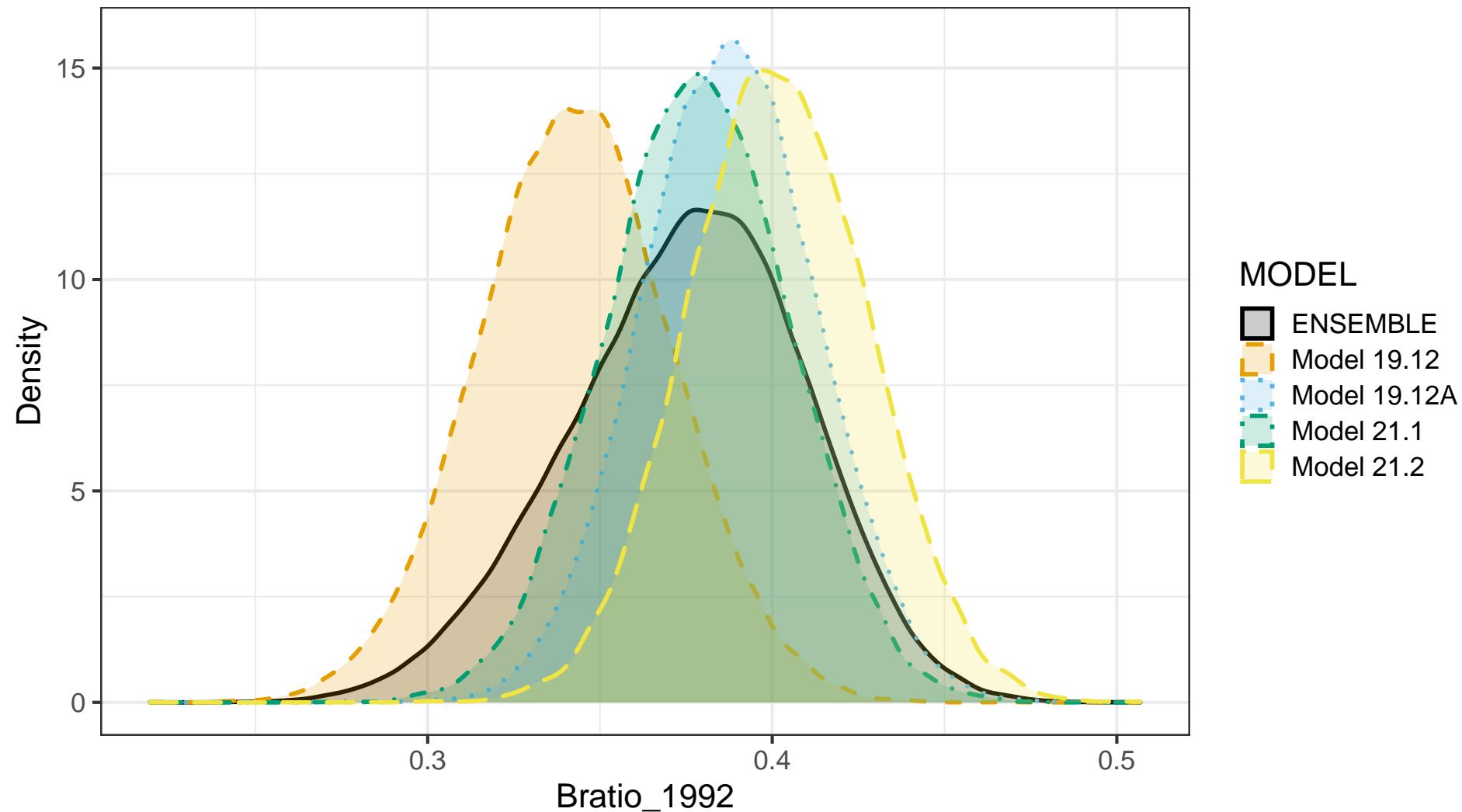
# Bratio\_1990



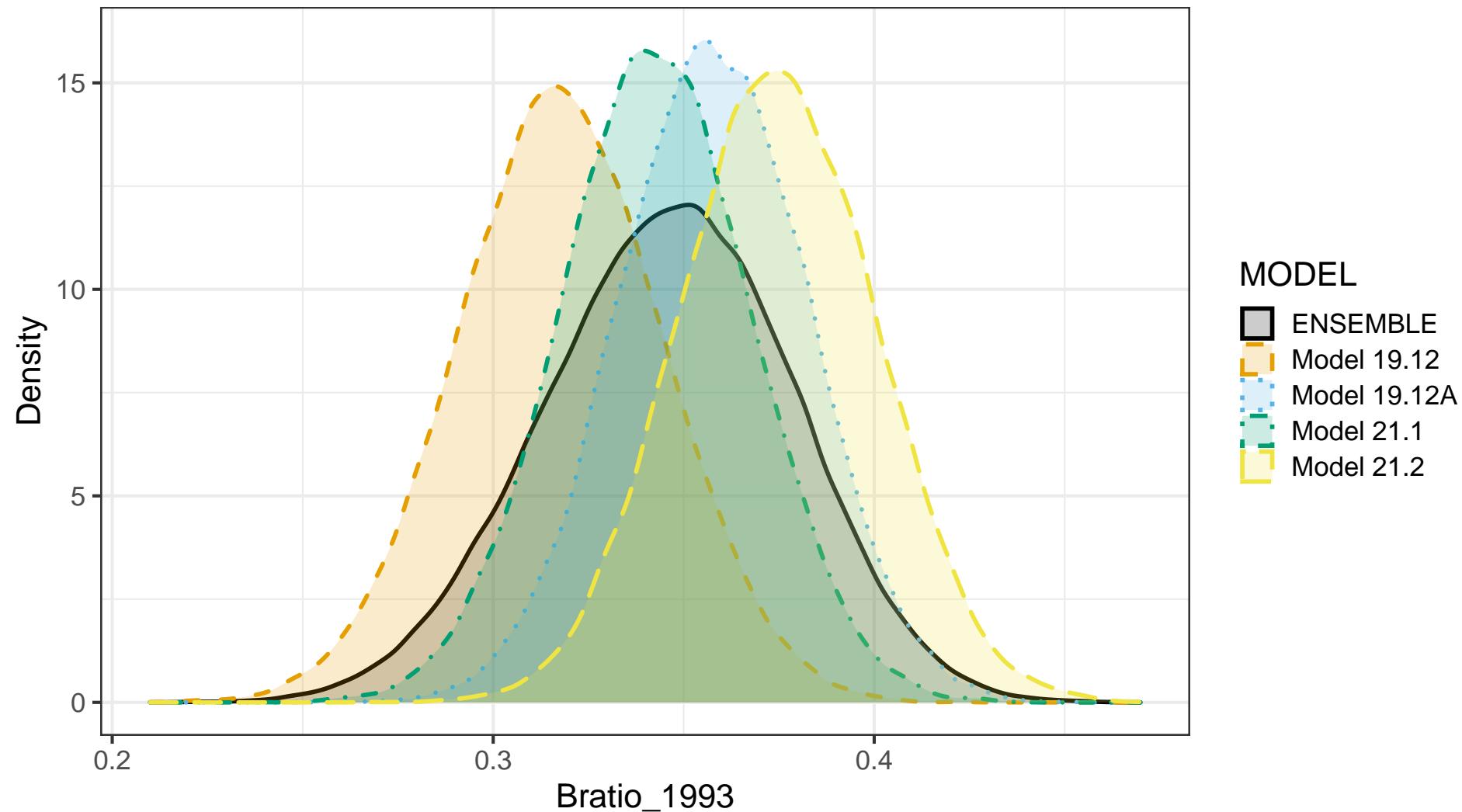
# Bratio\_1991



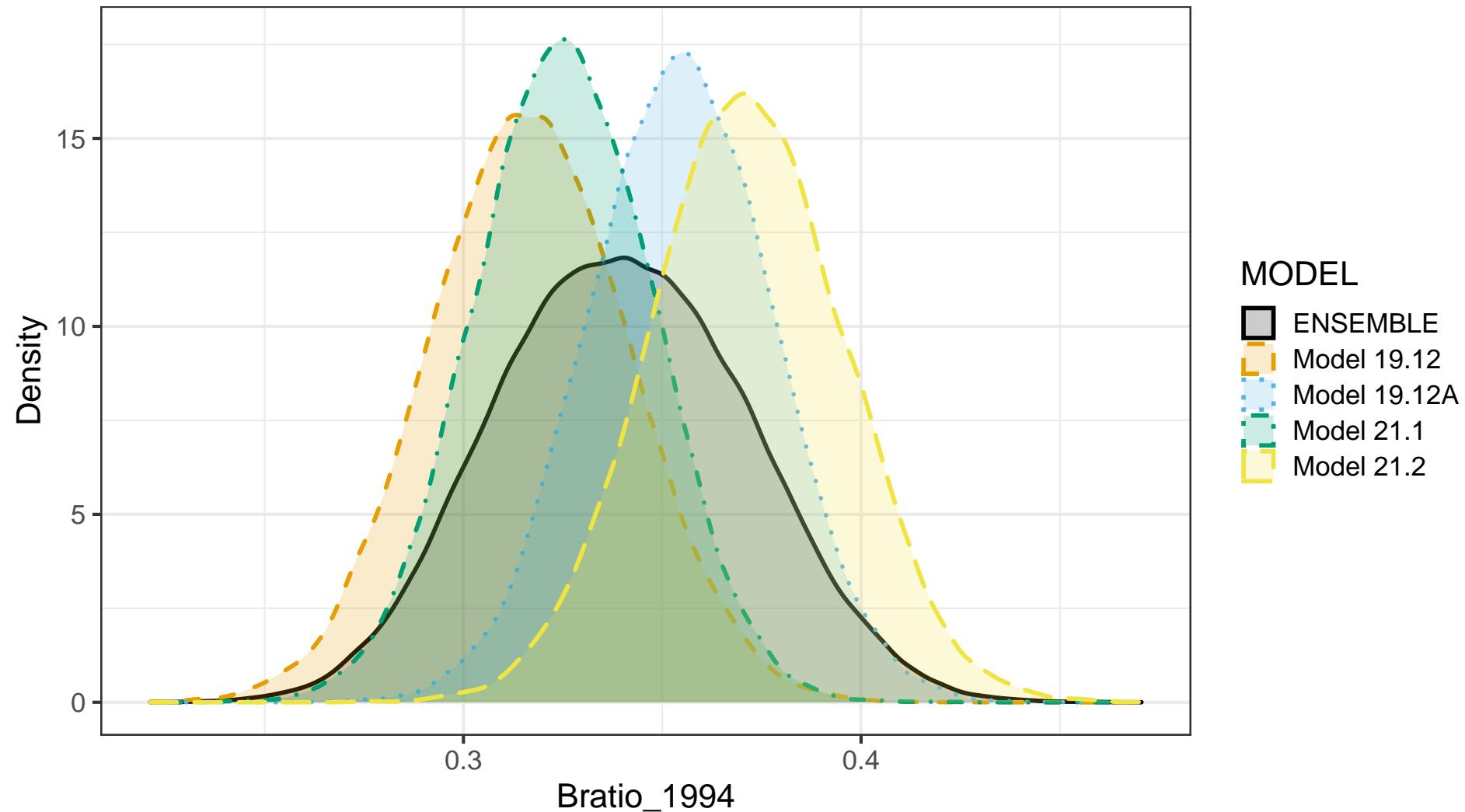
# Bratio\_1992



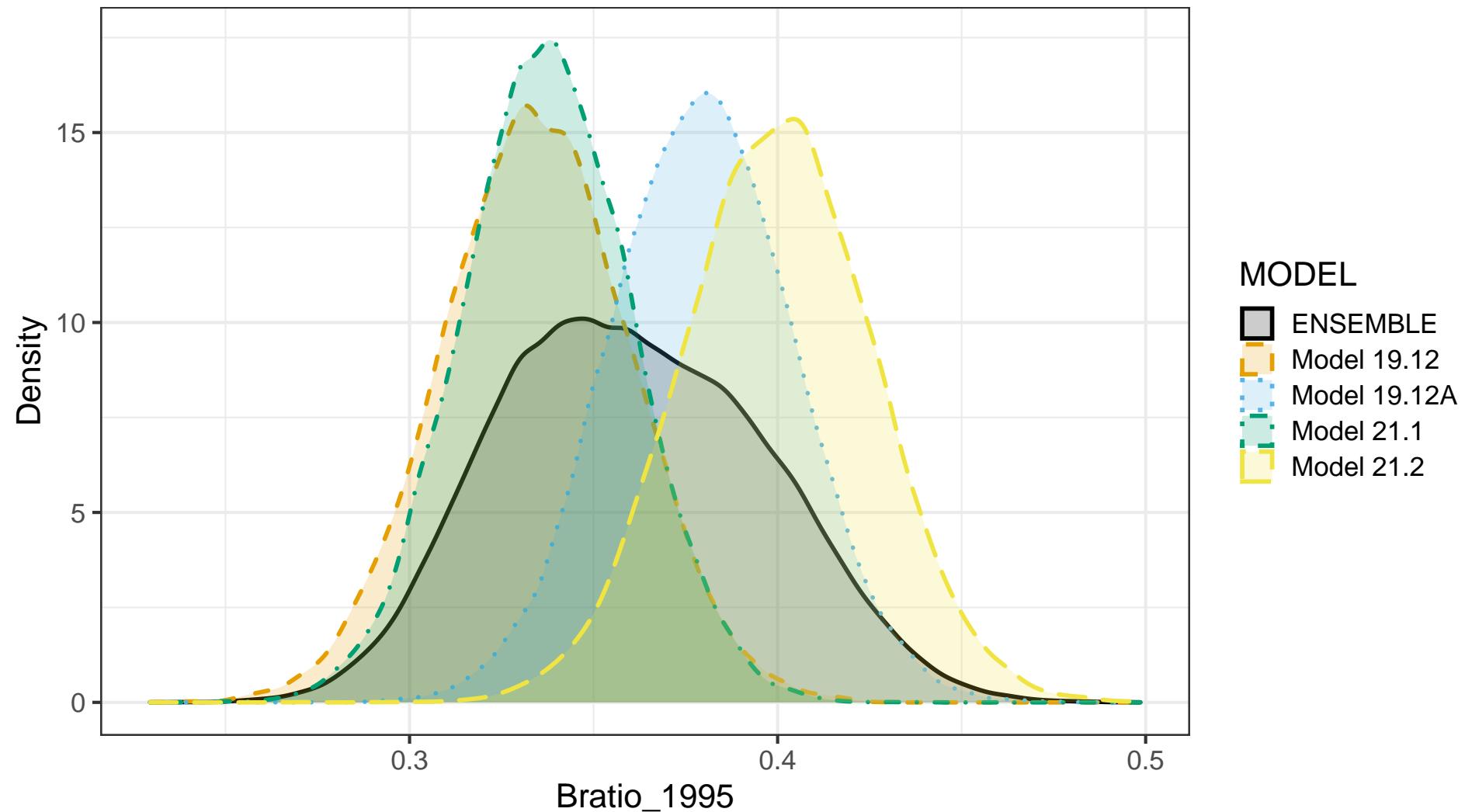
# Bratio\_1993



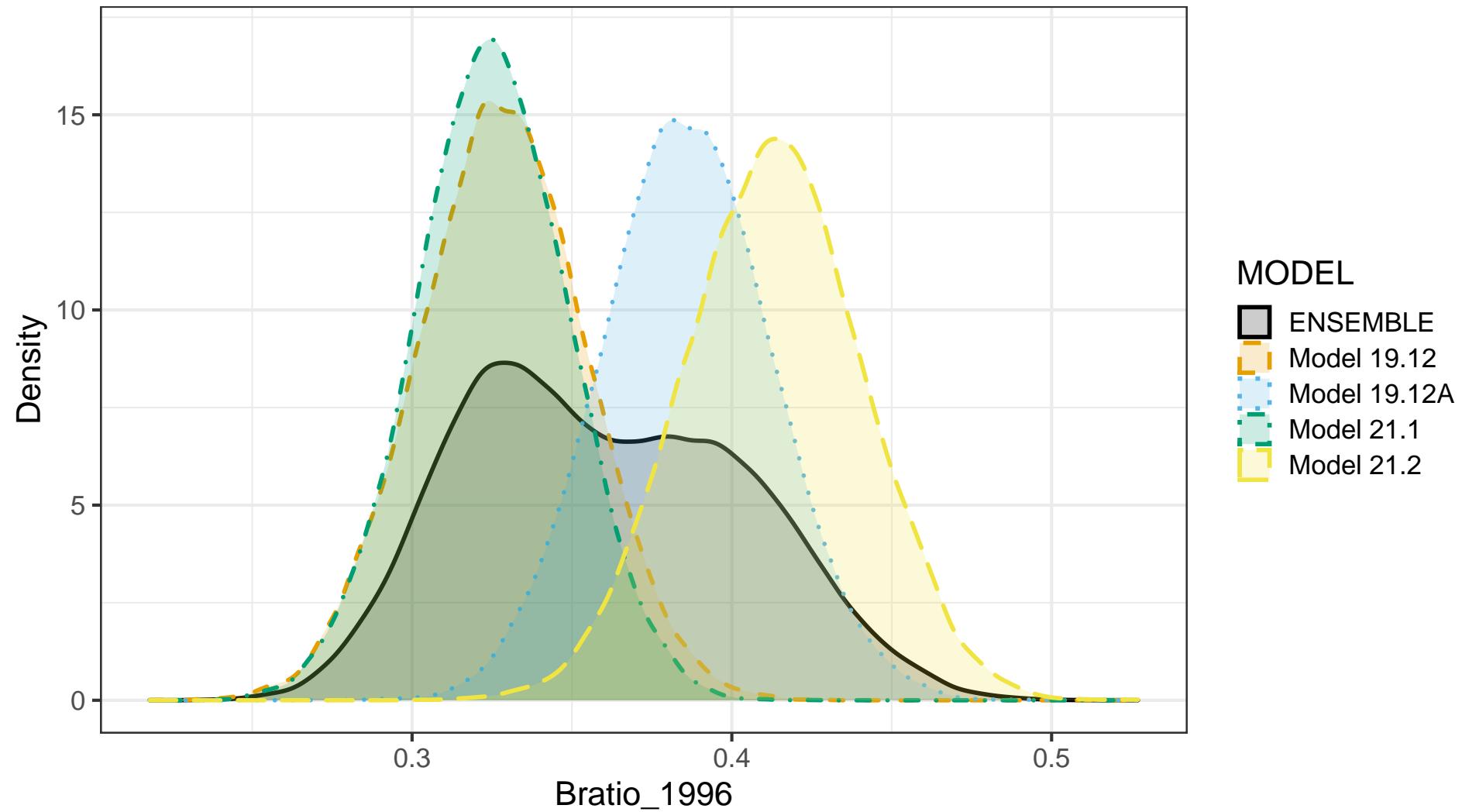
# Bratio\_1994



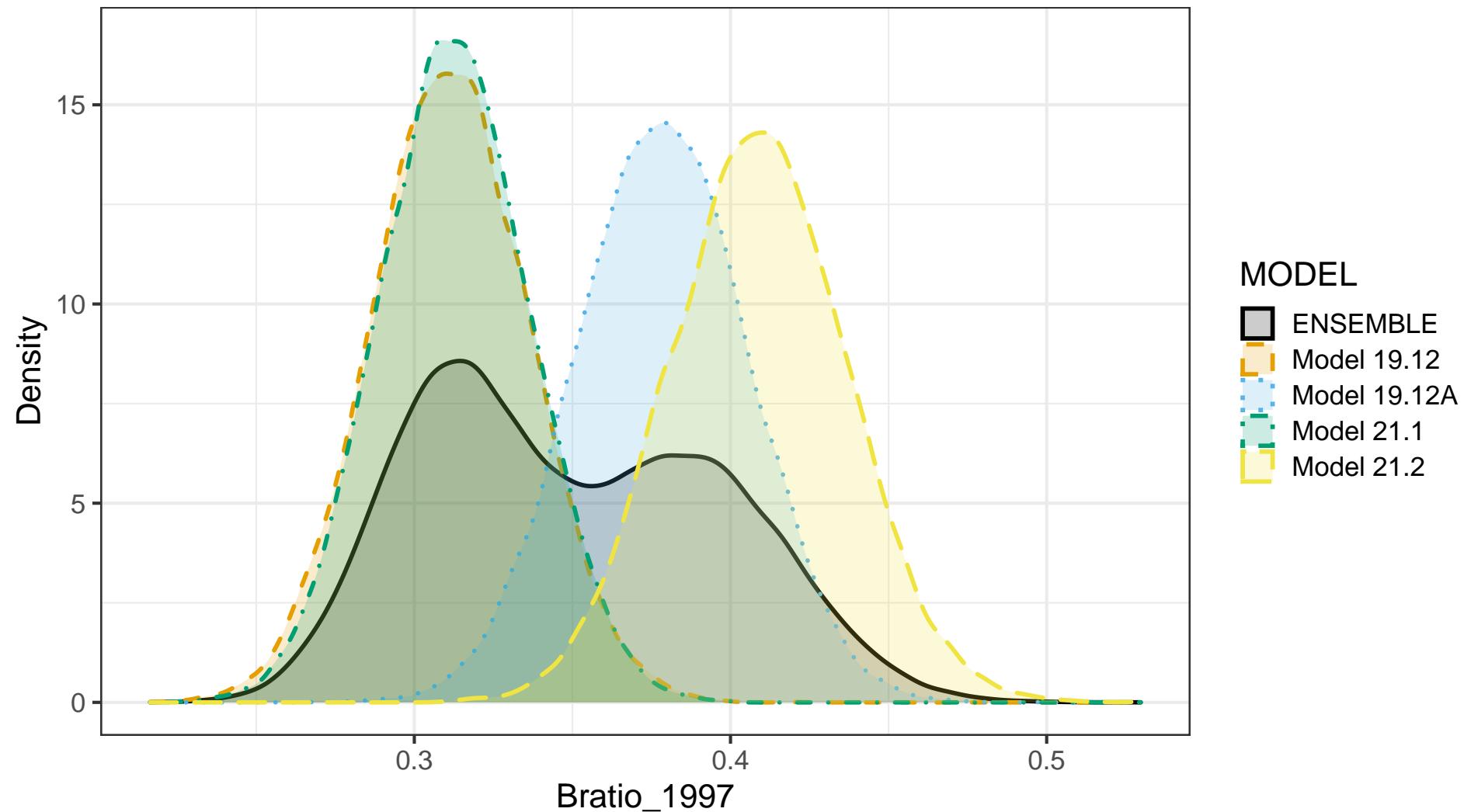
# Bratio\_1995



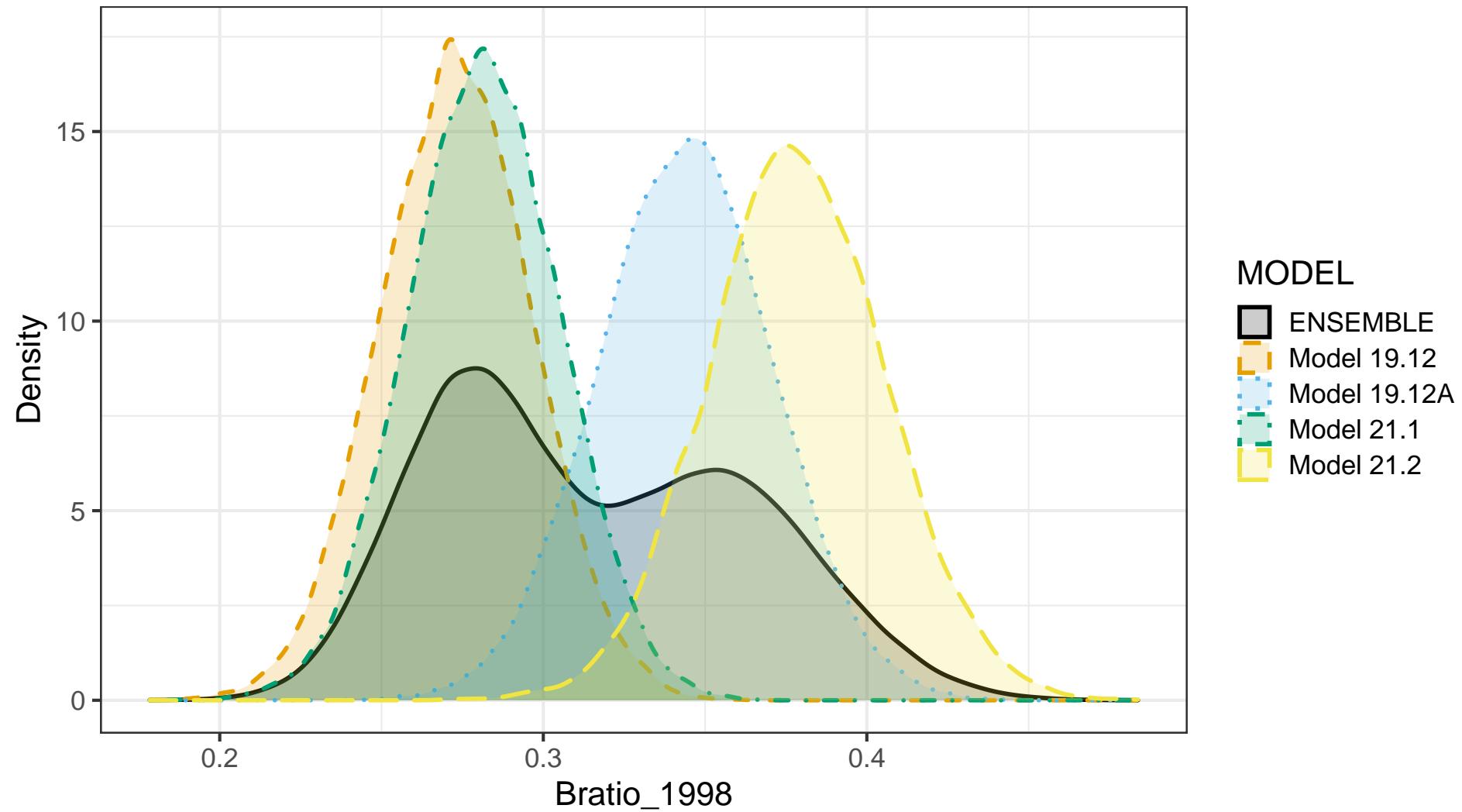
# Bratio\_1996



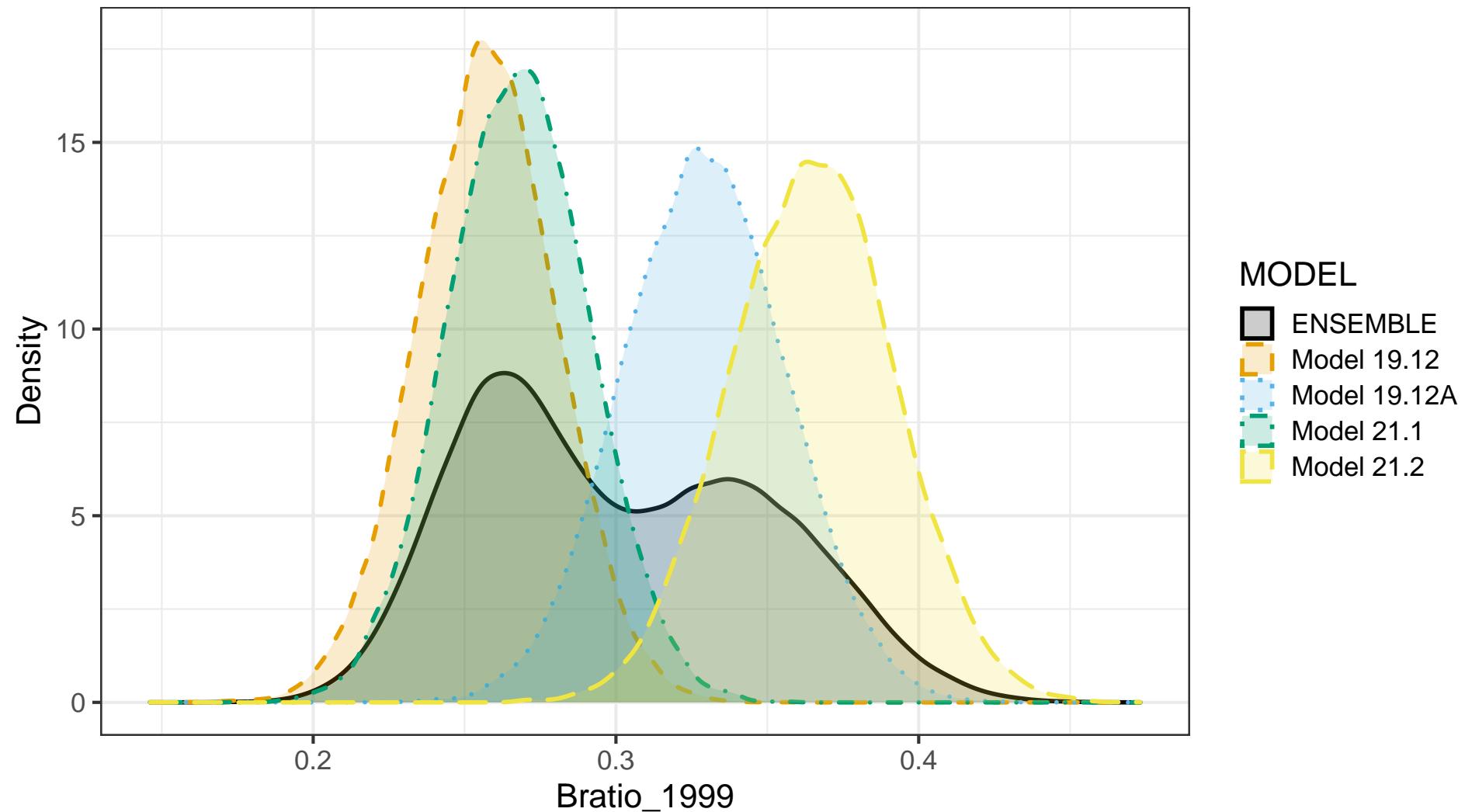
# Bratio\_1997



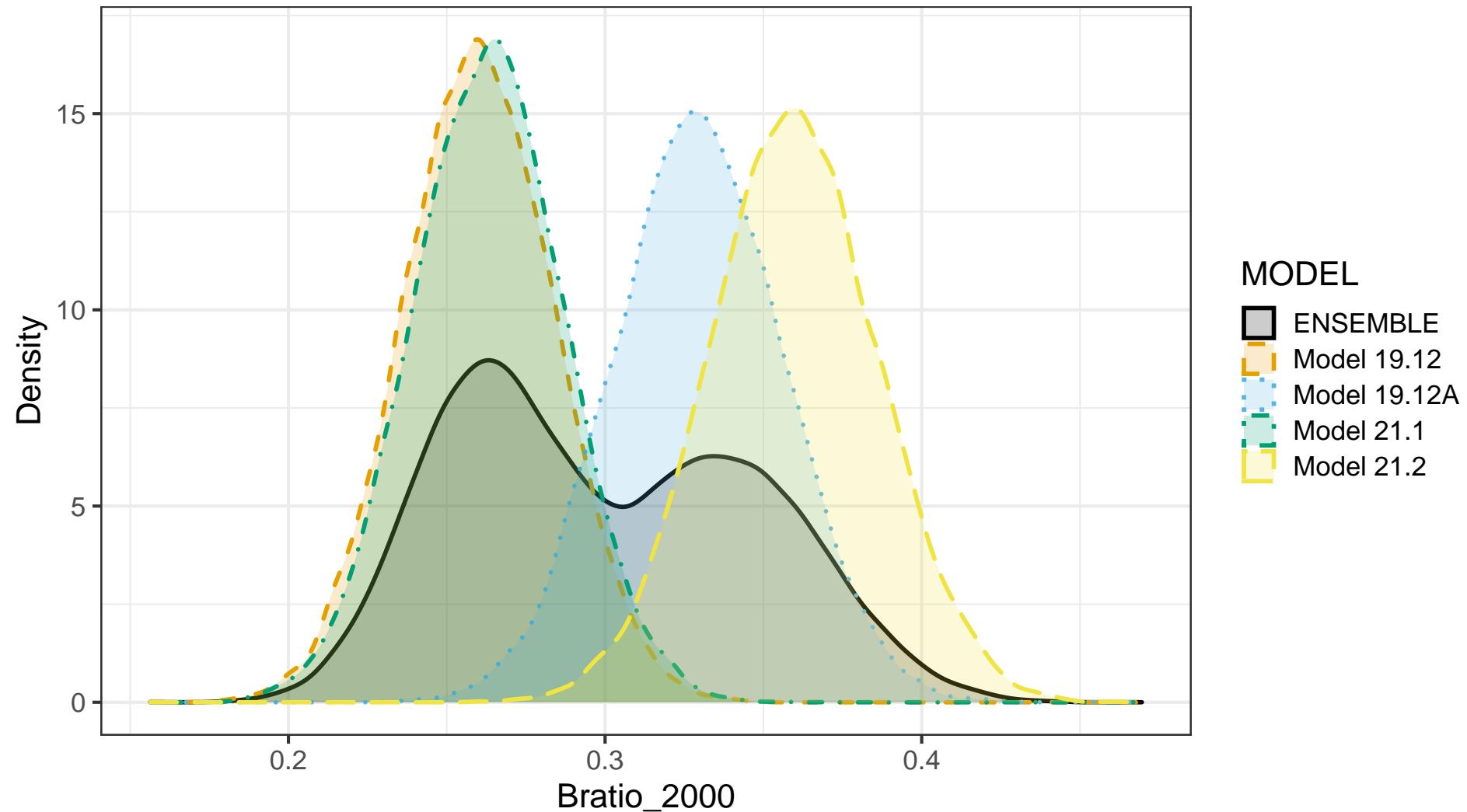
# Bratio\_1998



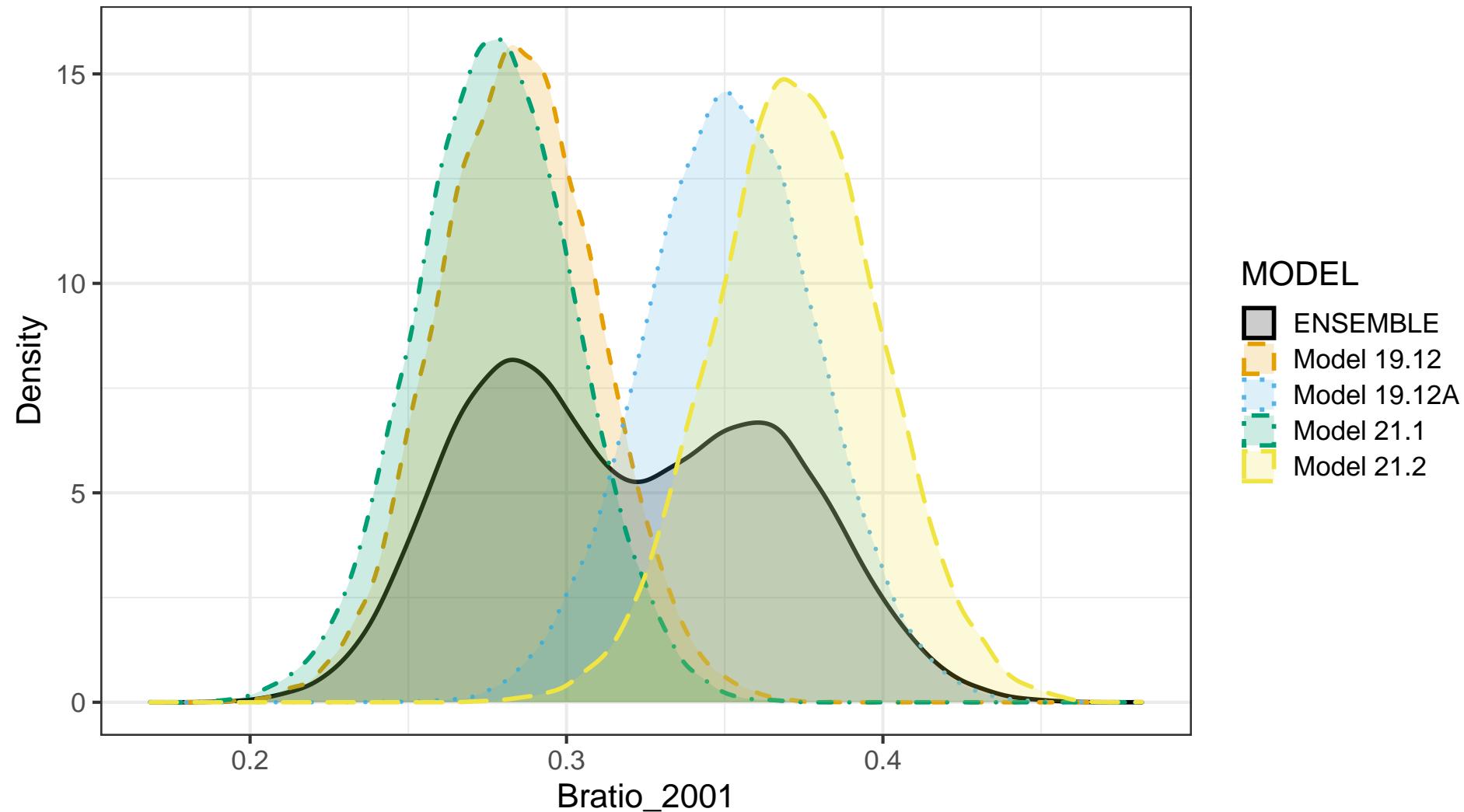
# Bratio\_1999



# Bratio\_2000



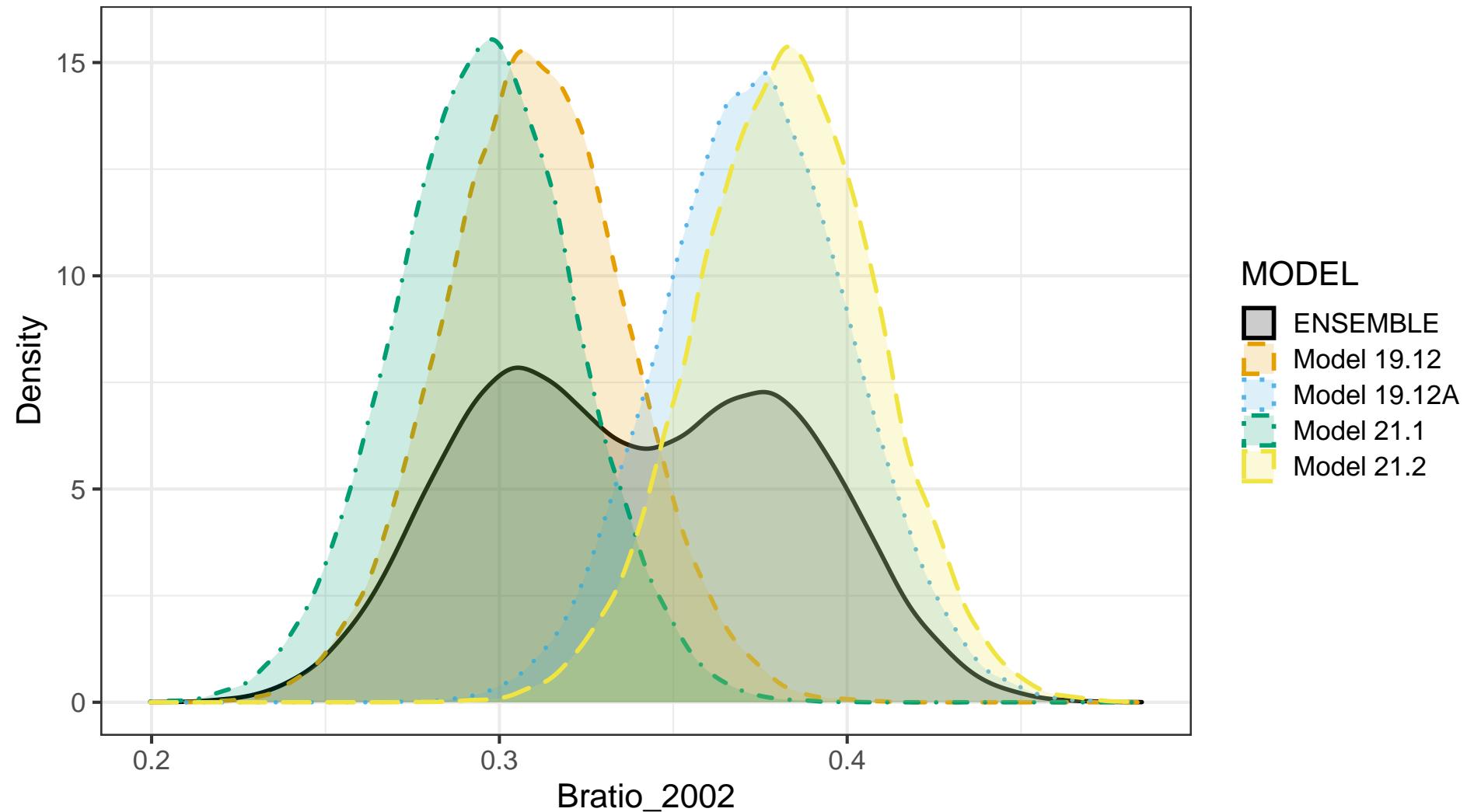
# Bratio\_2001



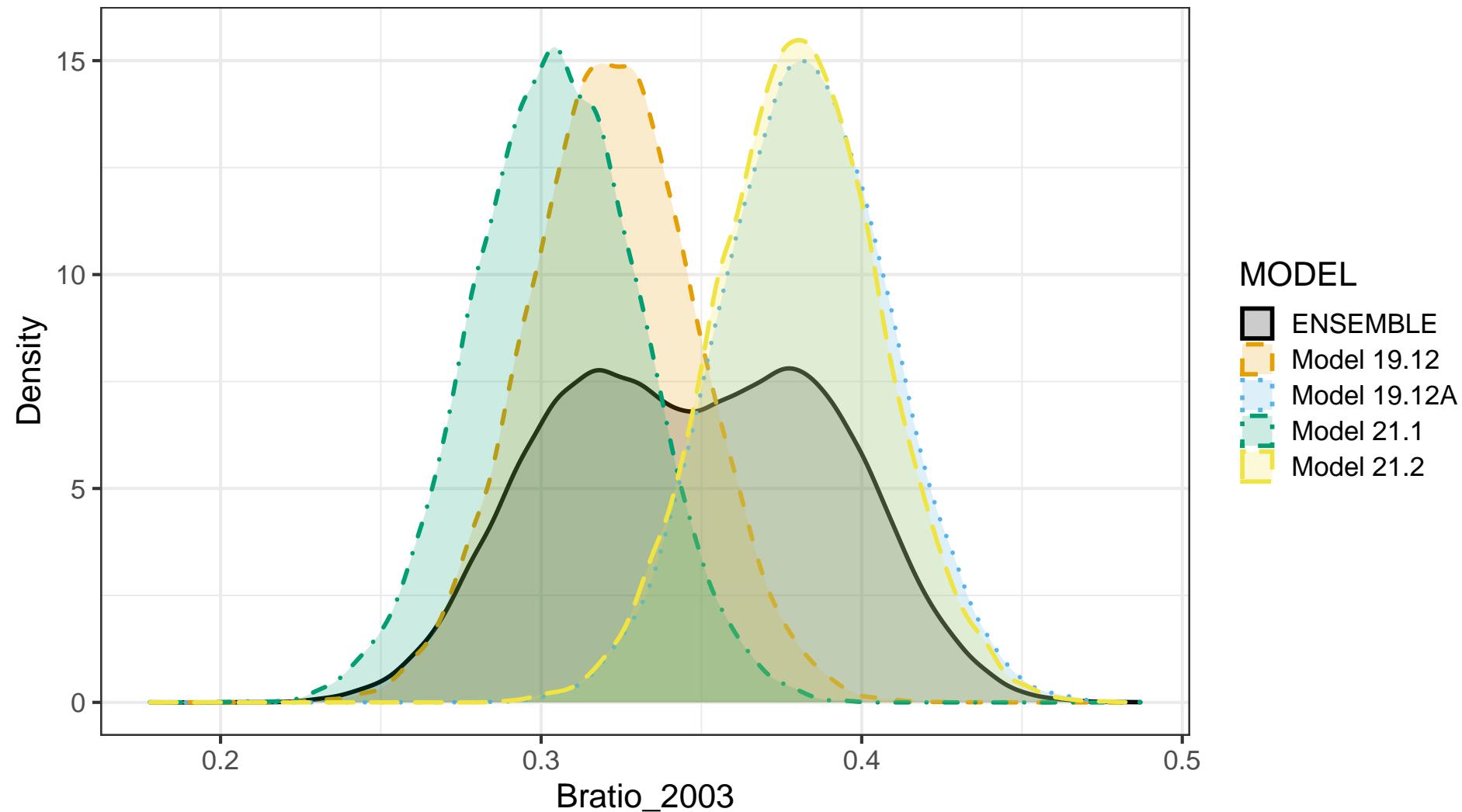
**MODEL**

- ENSEMBLE
- Model 19.12
- Model 19.12A
- Model 21.1
- Model 21.2

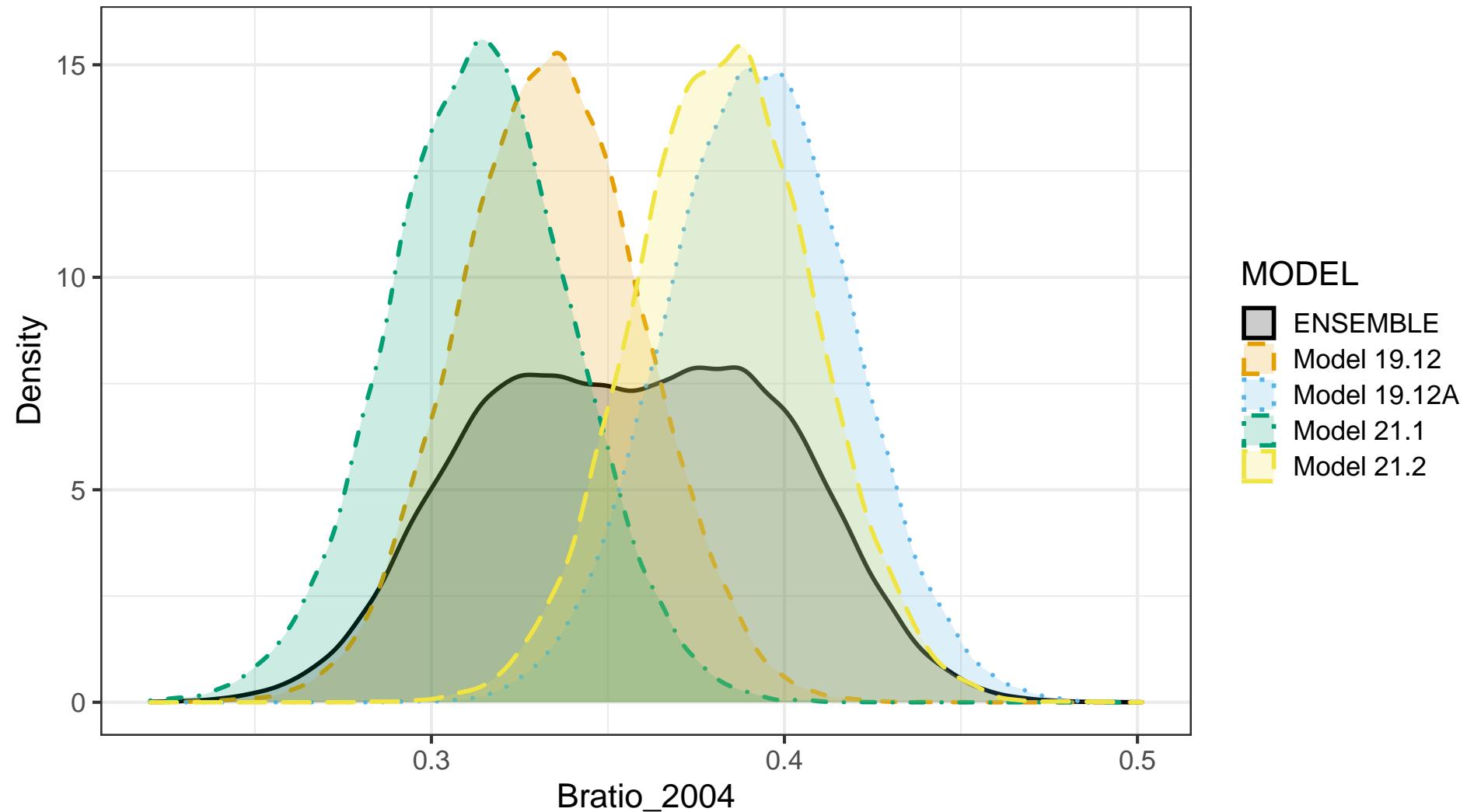
# Bratio\_2002



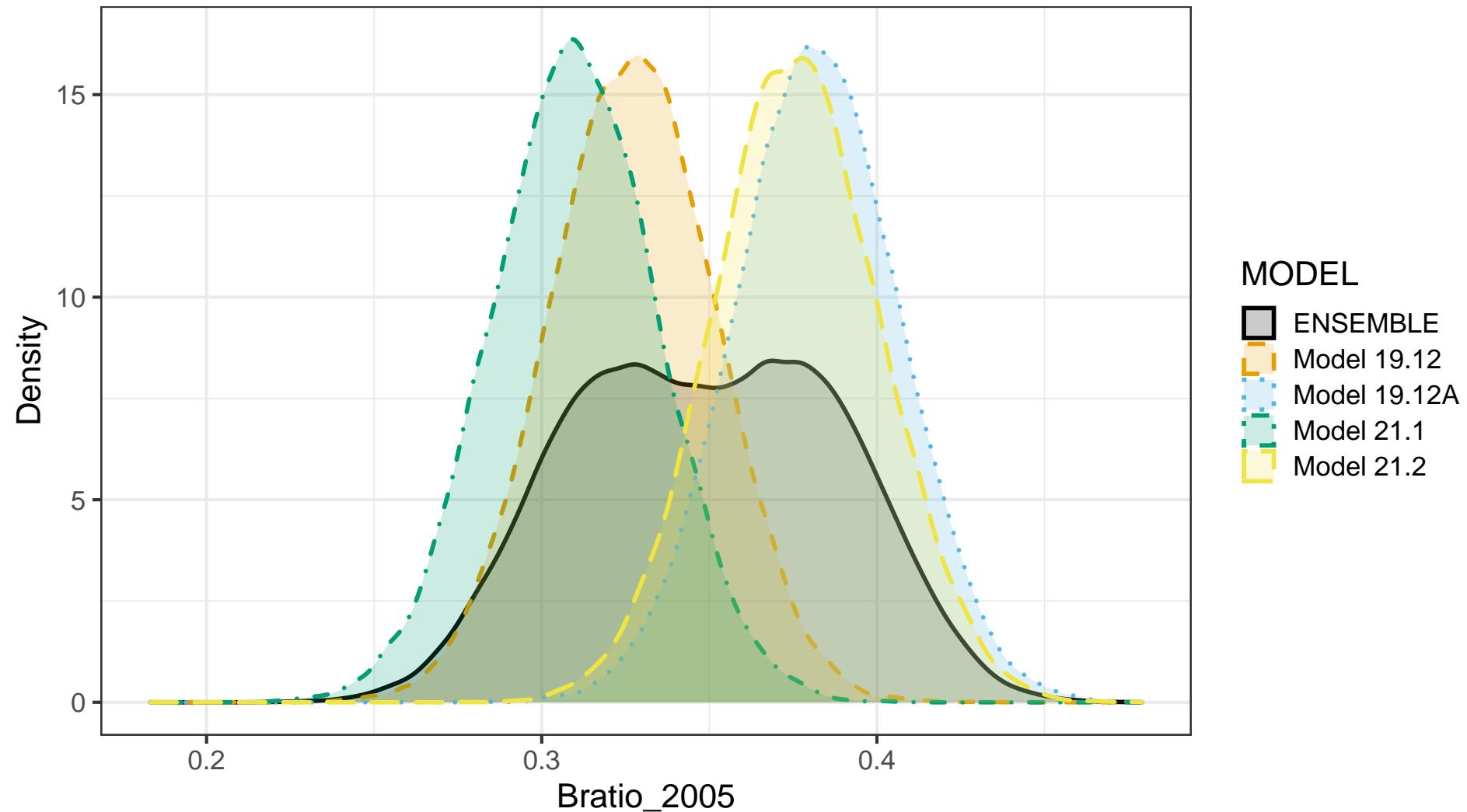
# Bratio\_2003



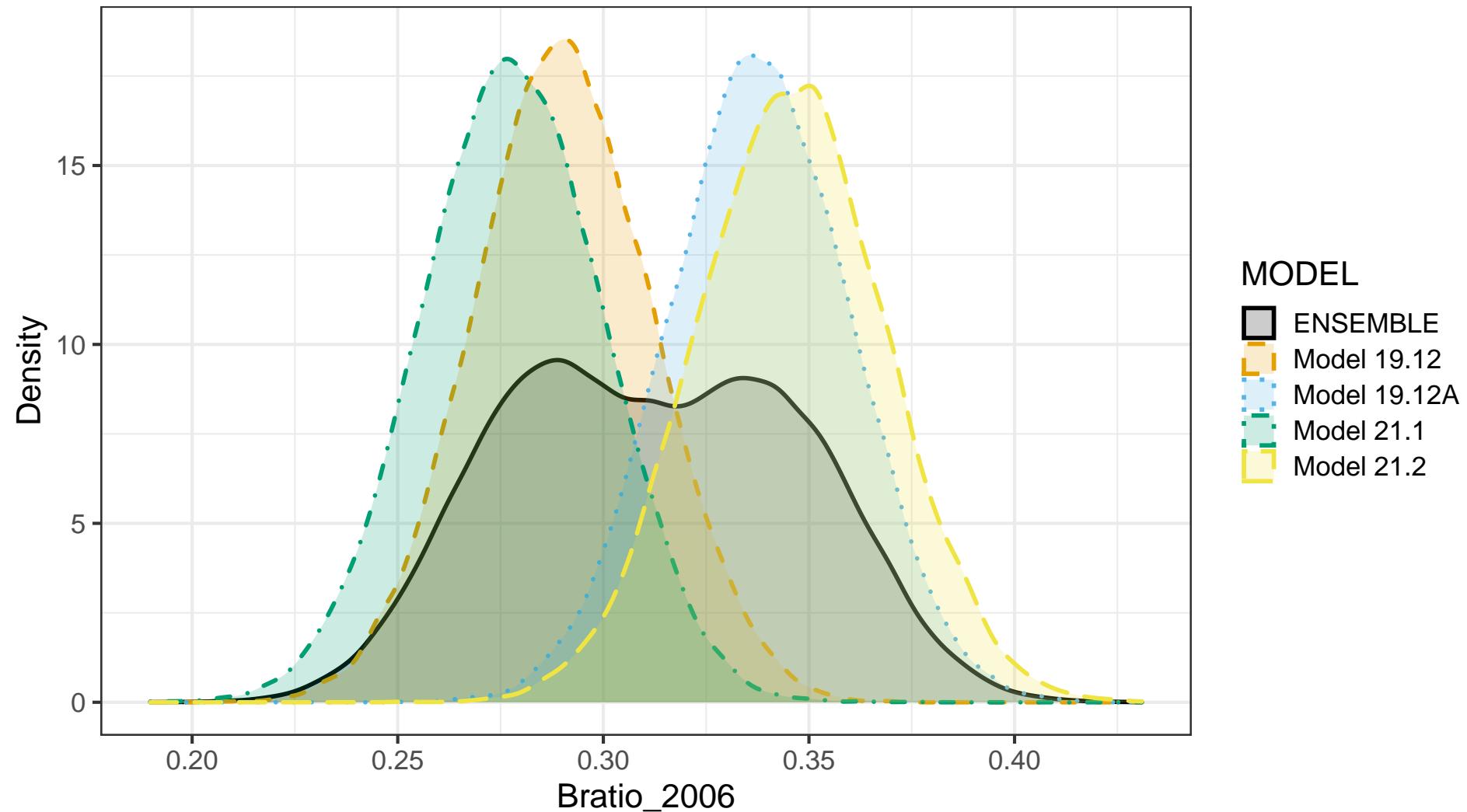
# Bratio\_2004



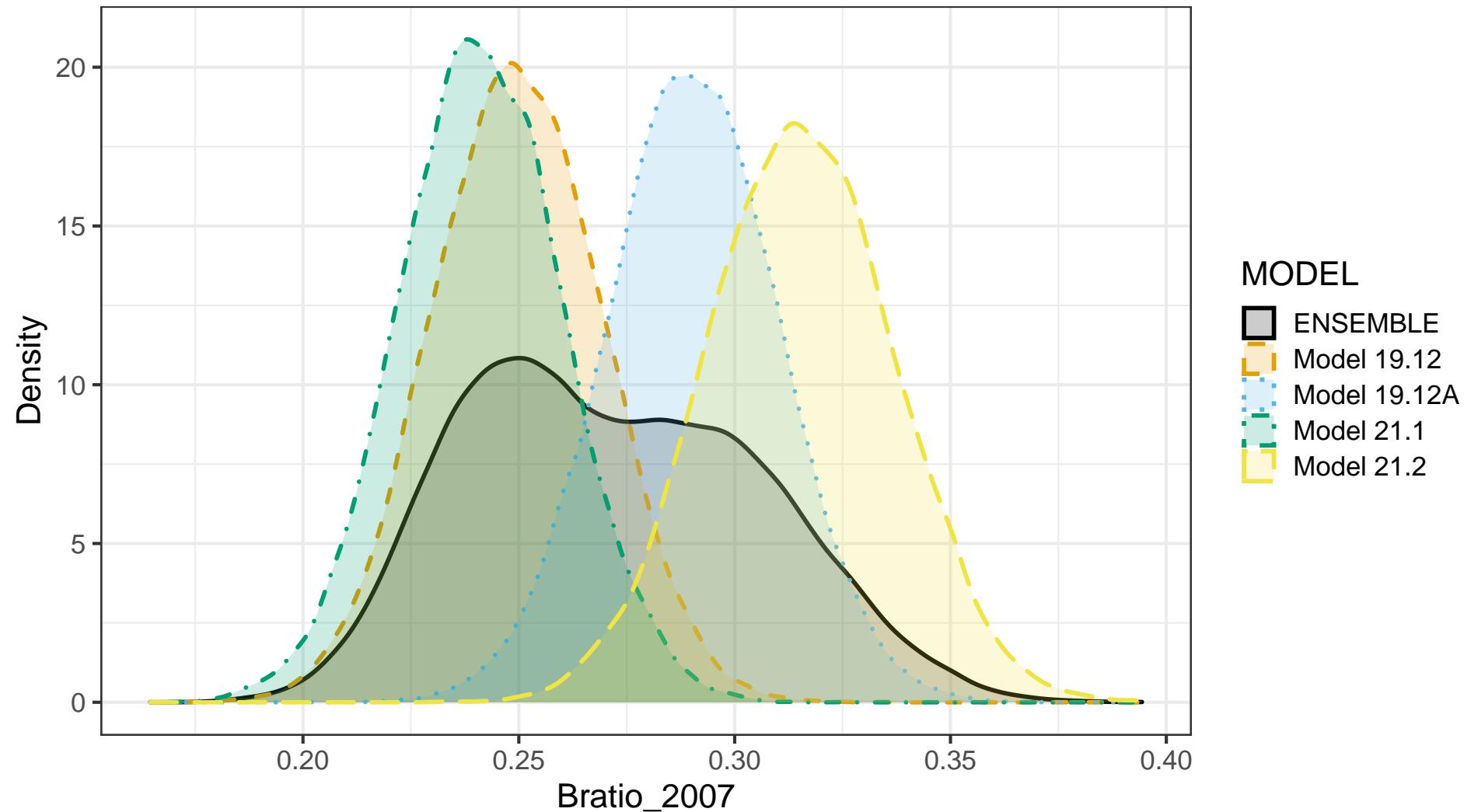
# Bratio\_2005



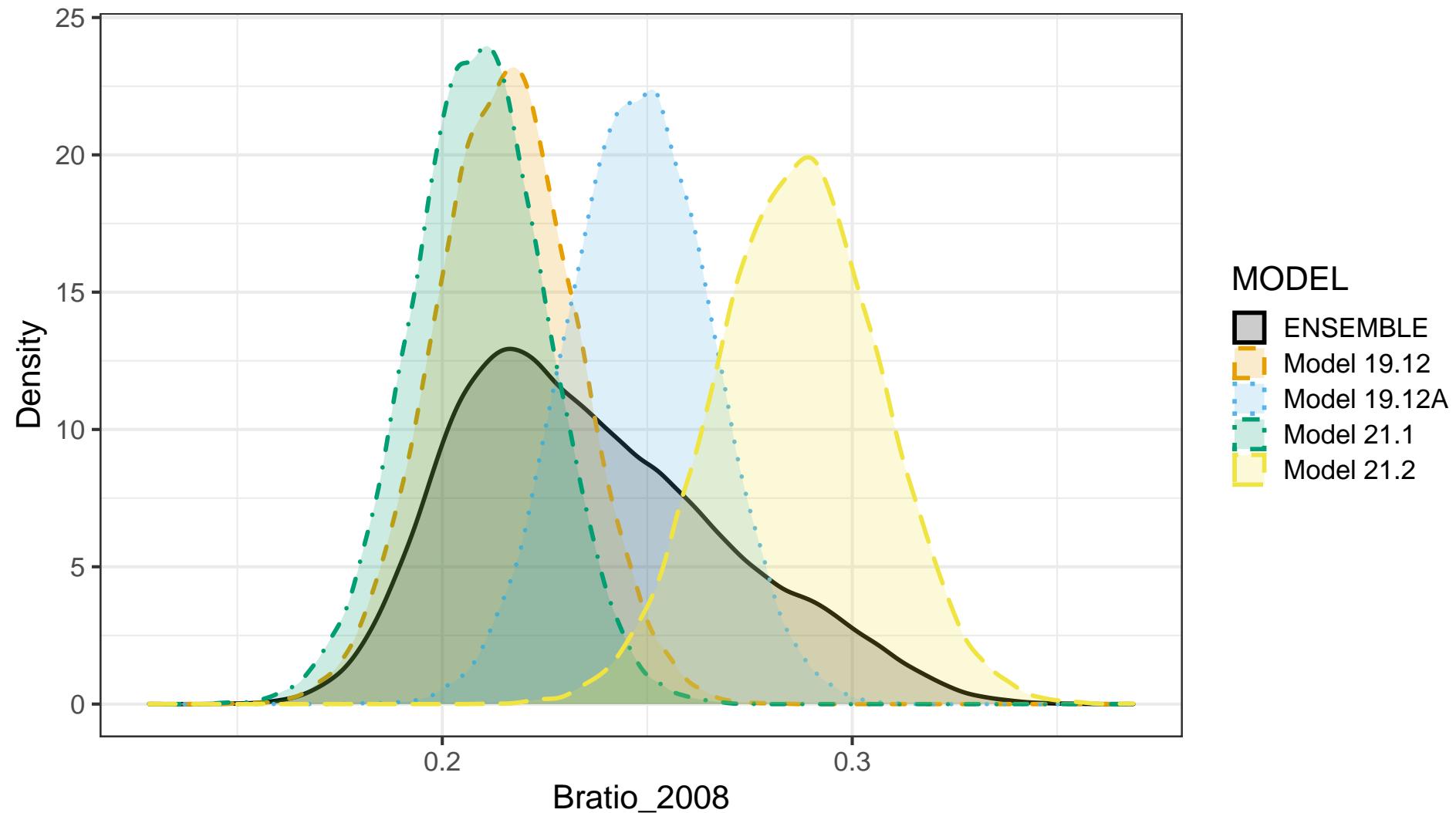
# Bratio\_2006



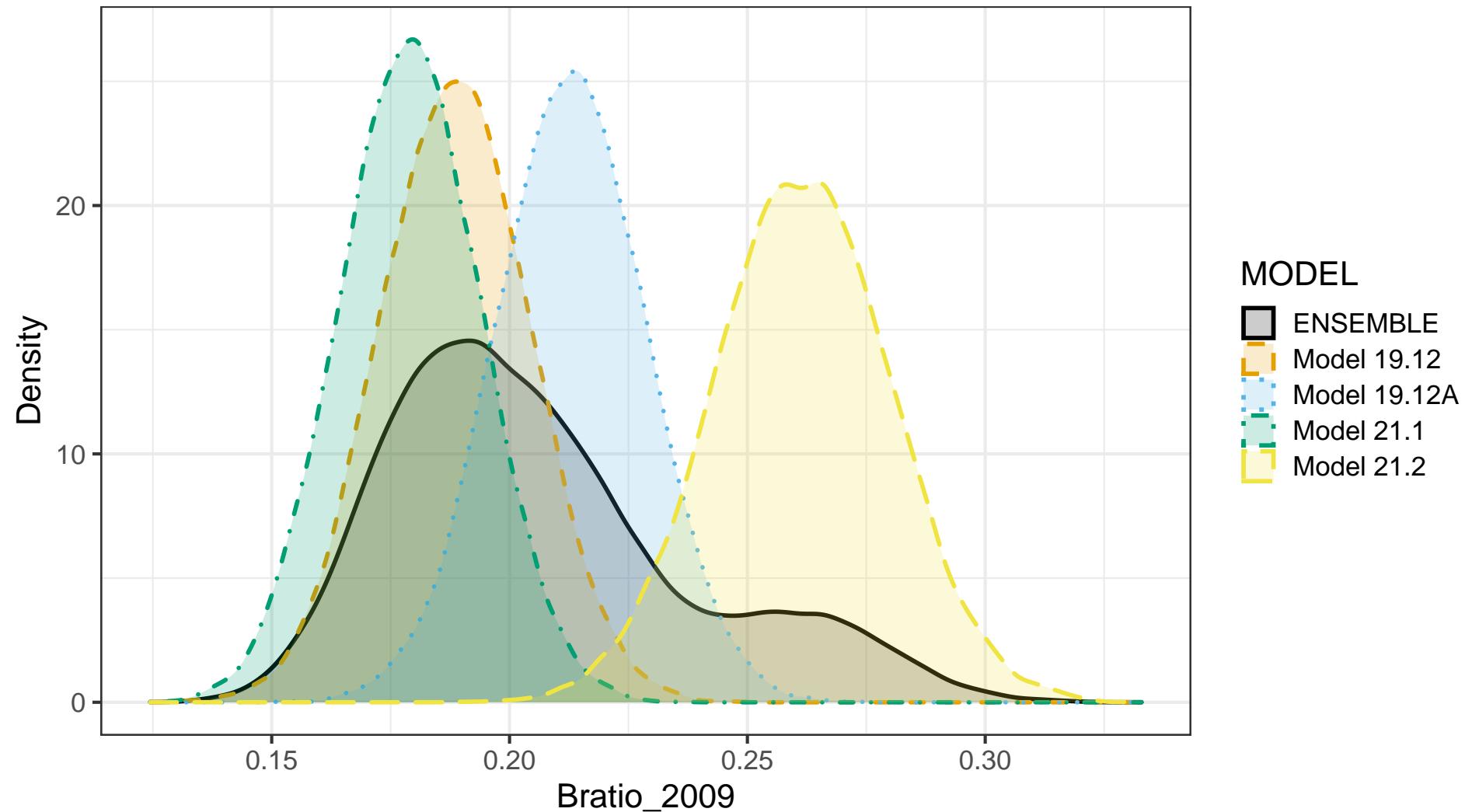
# Bratio\_2007



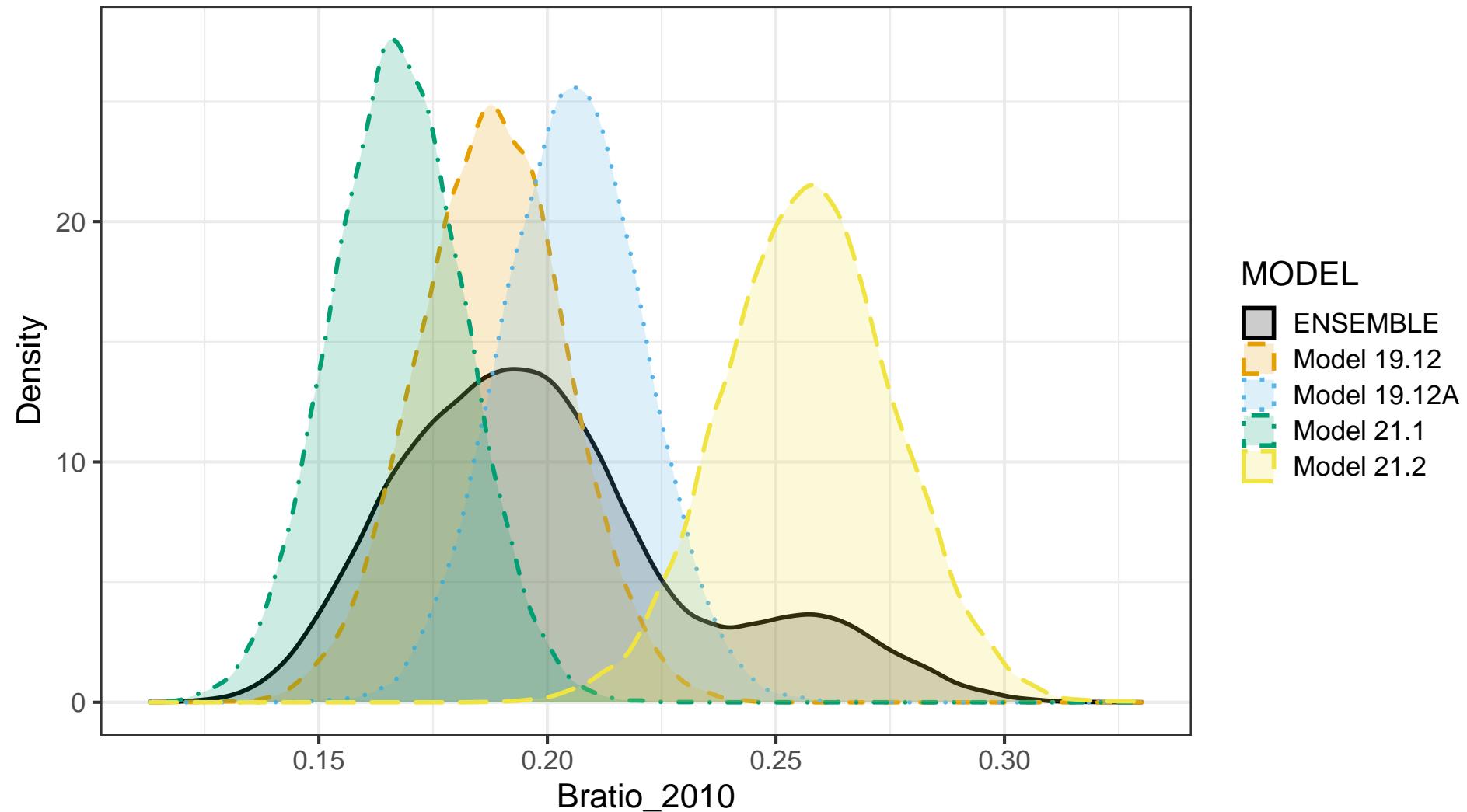
# Bratio\_2008



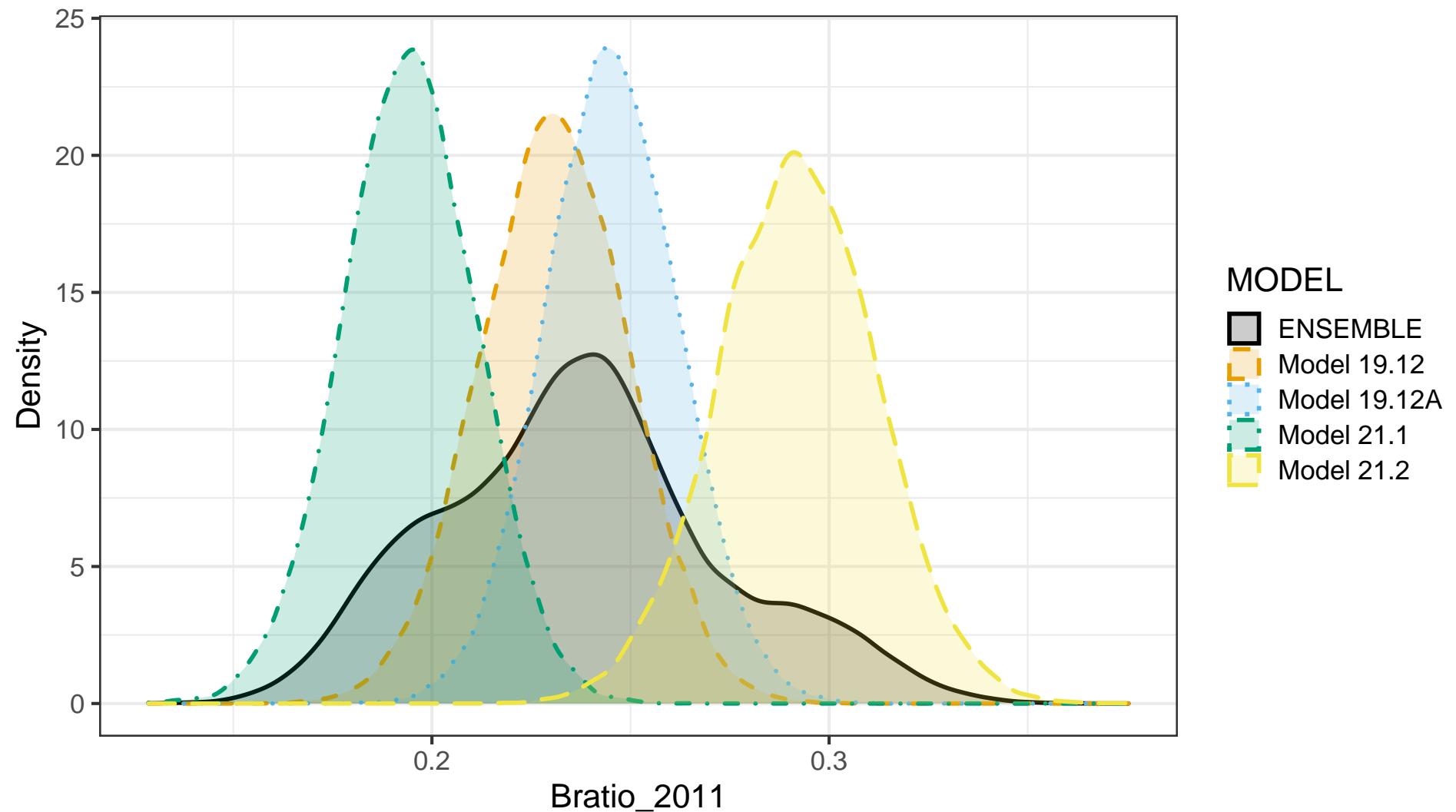
# Bratio\_2009



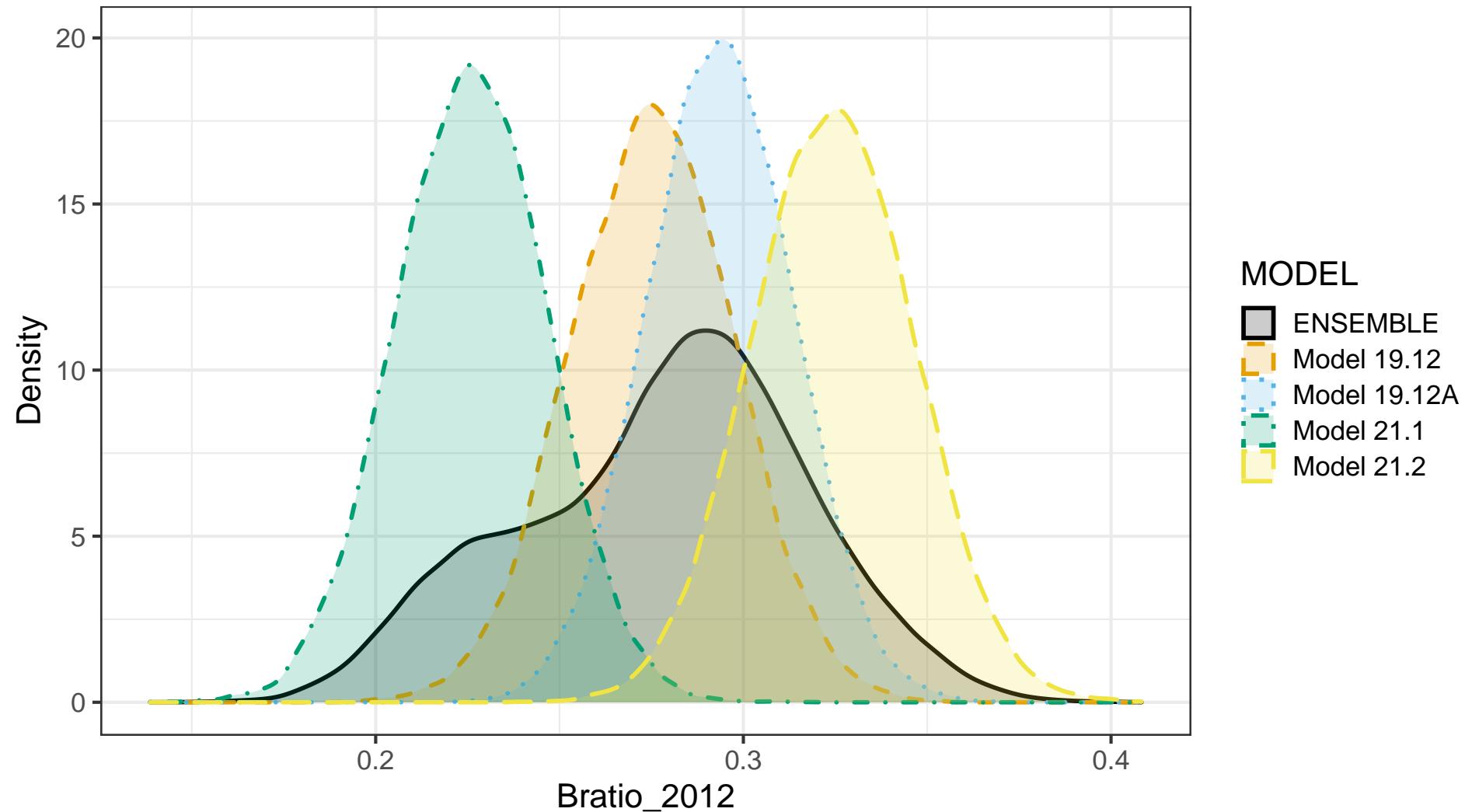
# Bratio\_2010



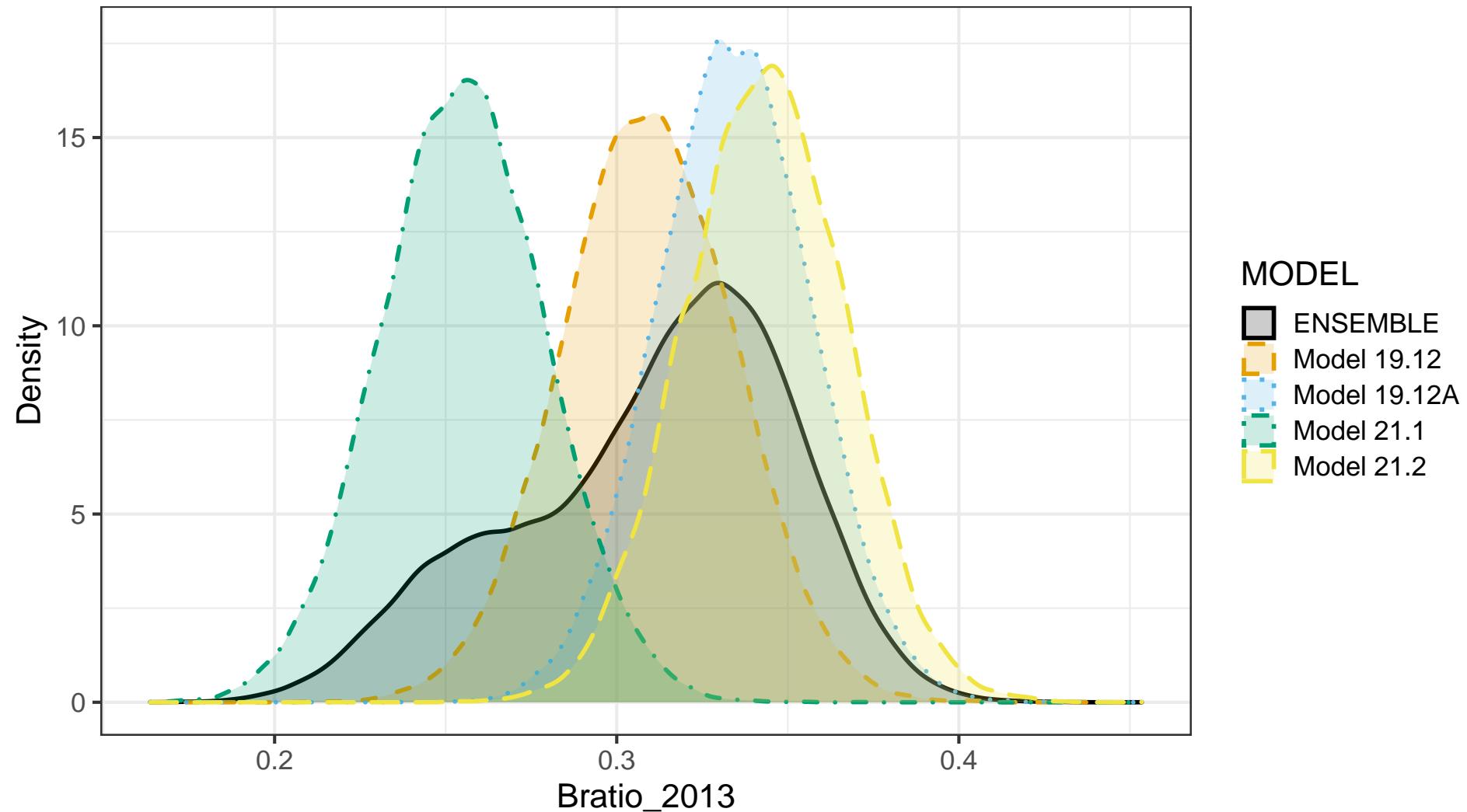
# Bratio\_2011



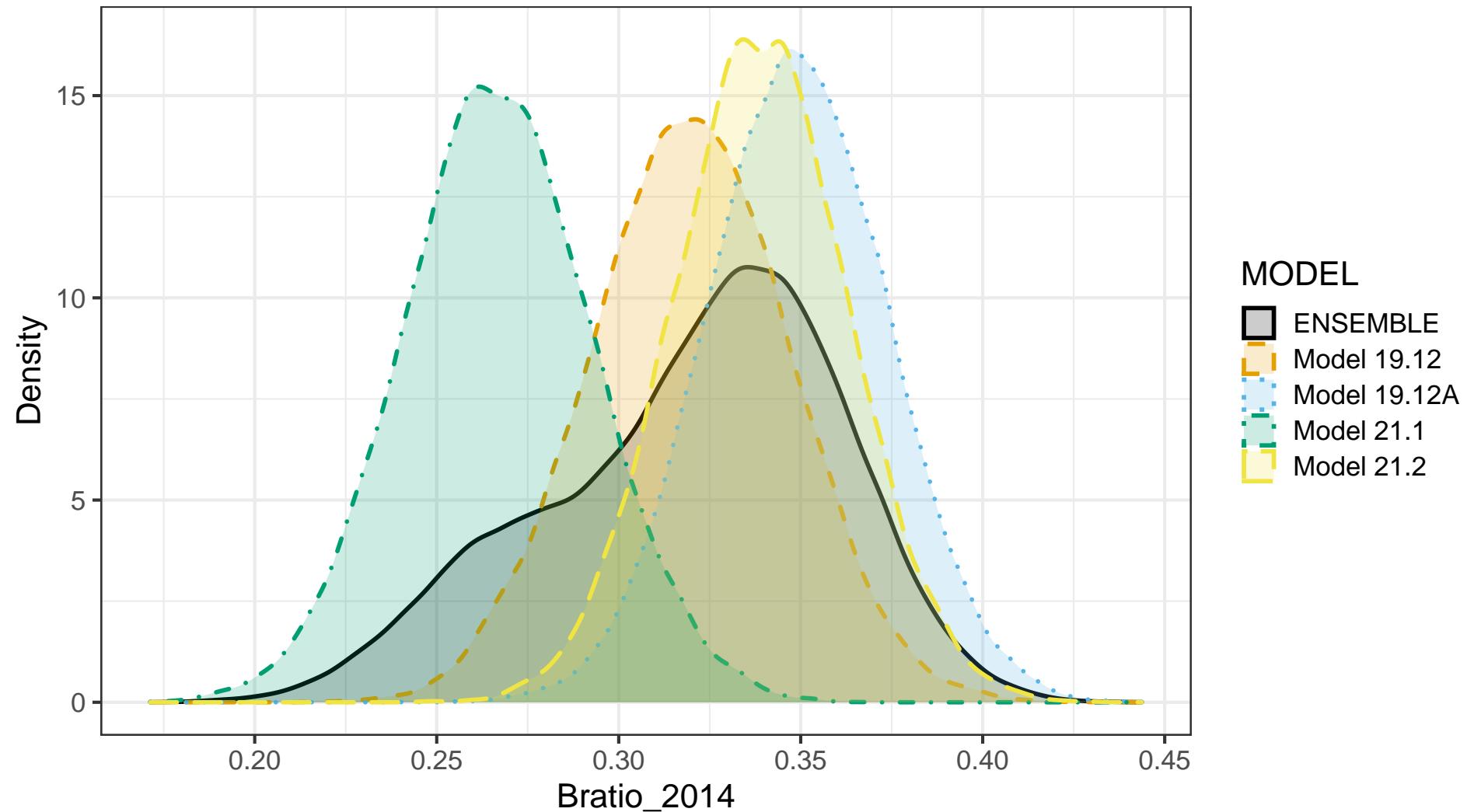
# Bratio\_2012



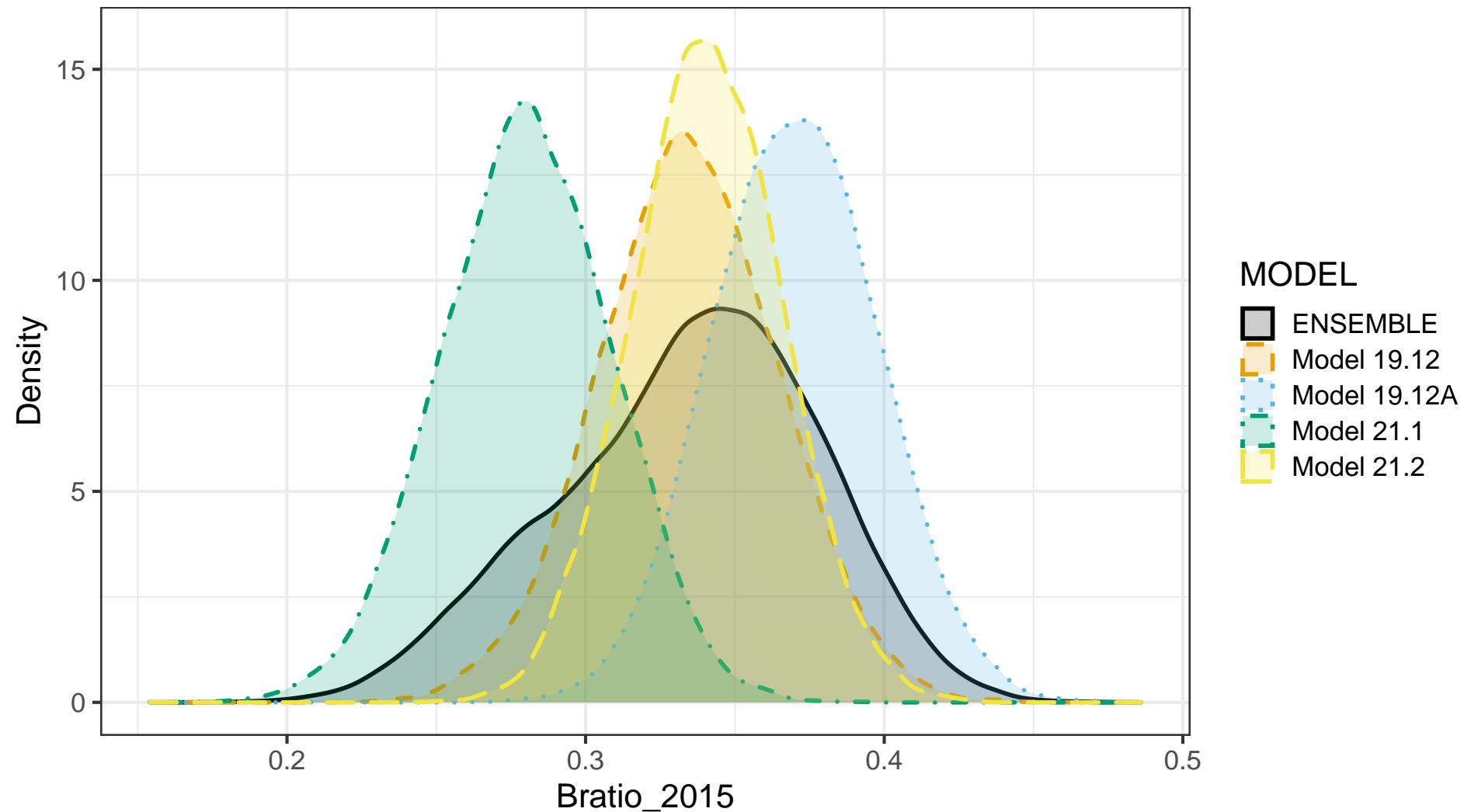
# Bratio\_2013



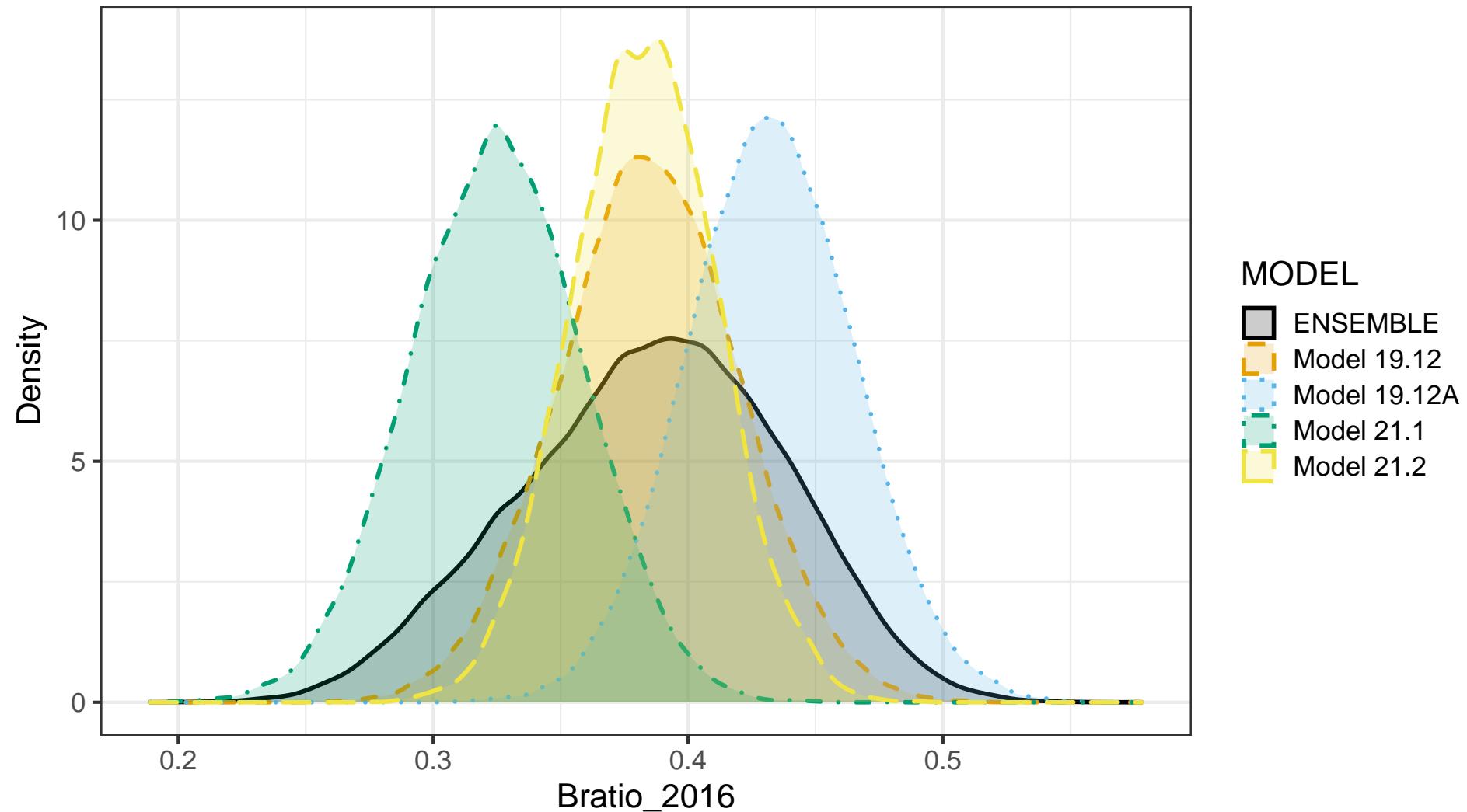
# Bratio\_2014



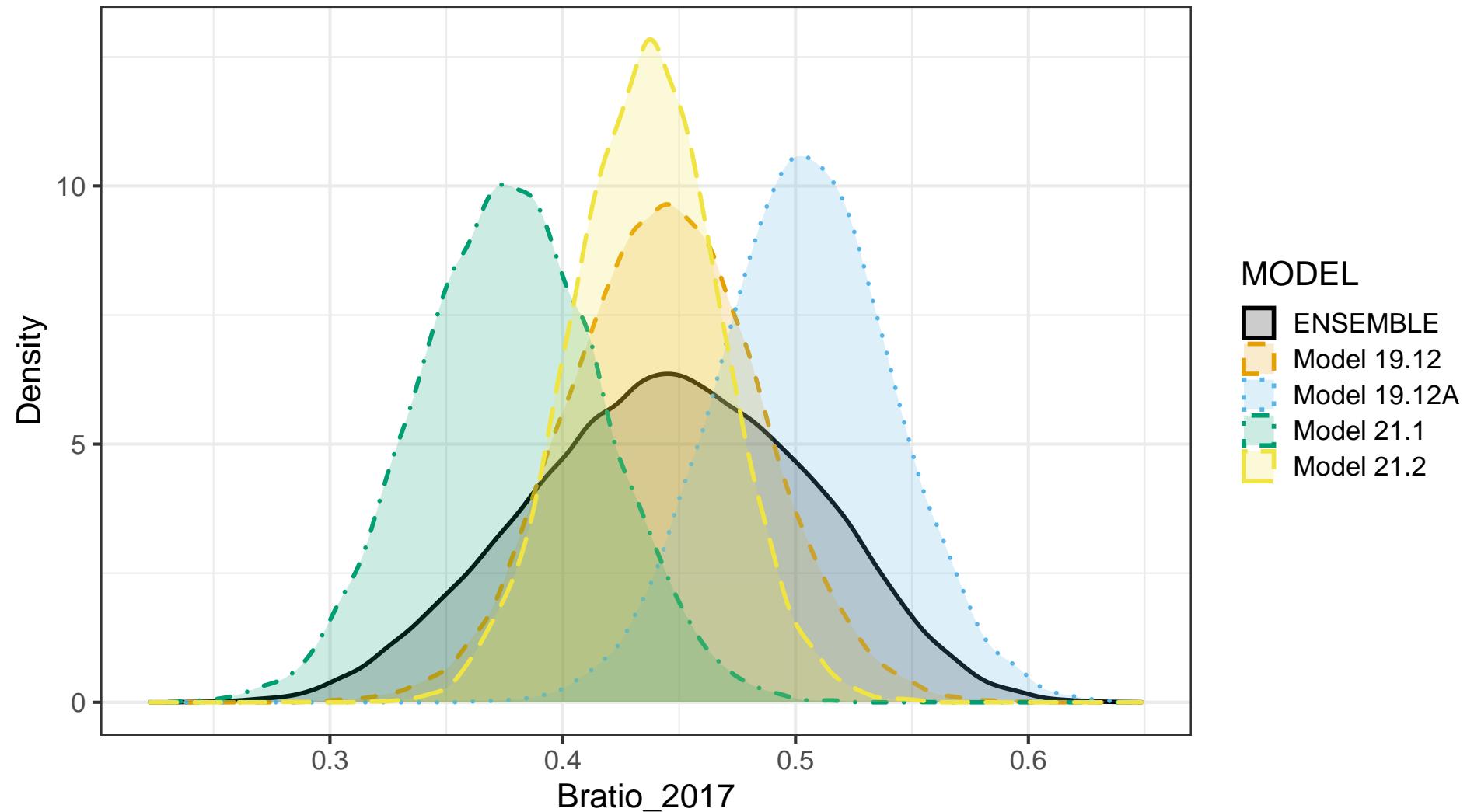
# Bratio\_2015



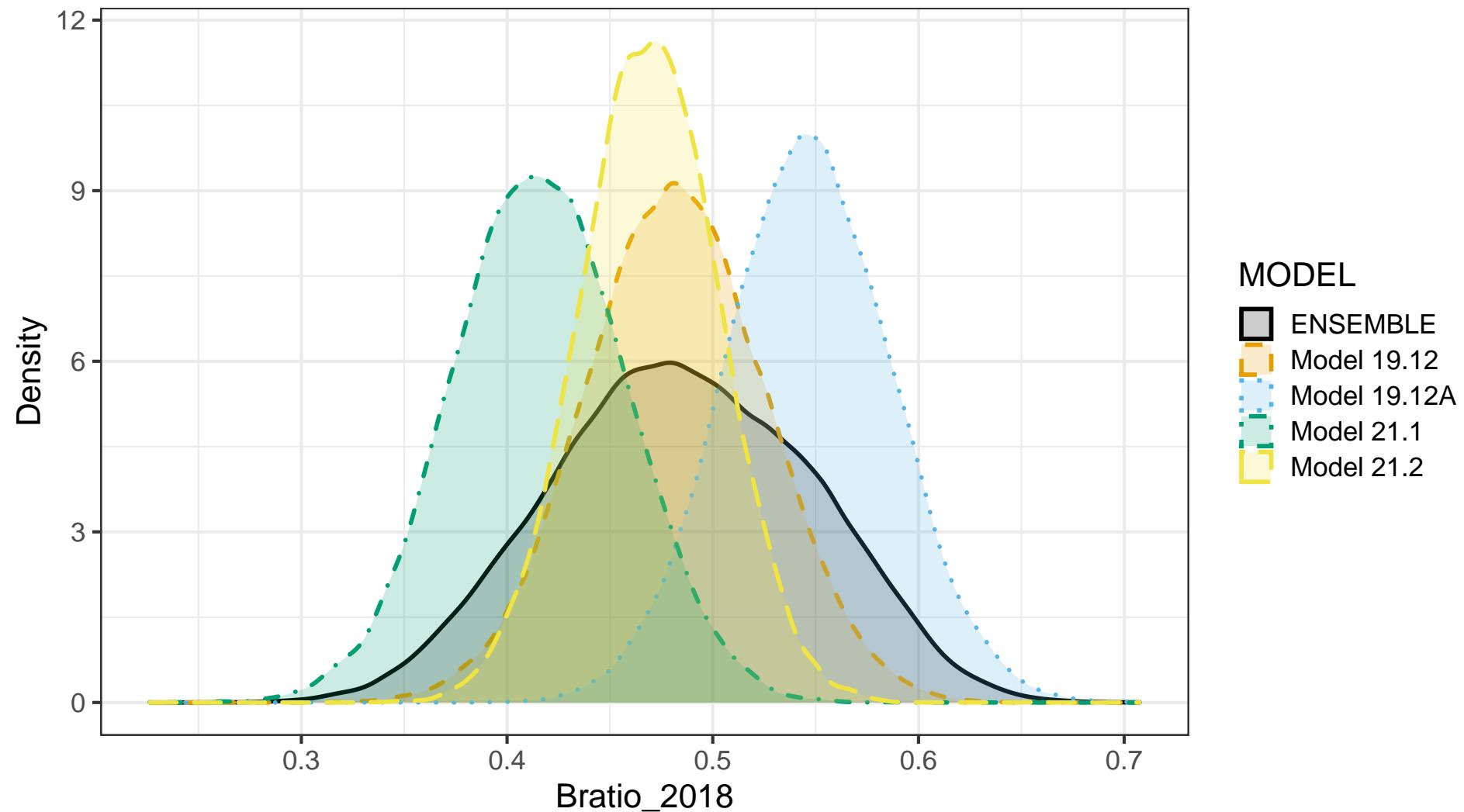
# Bratio\_2016



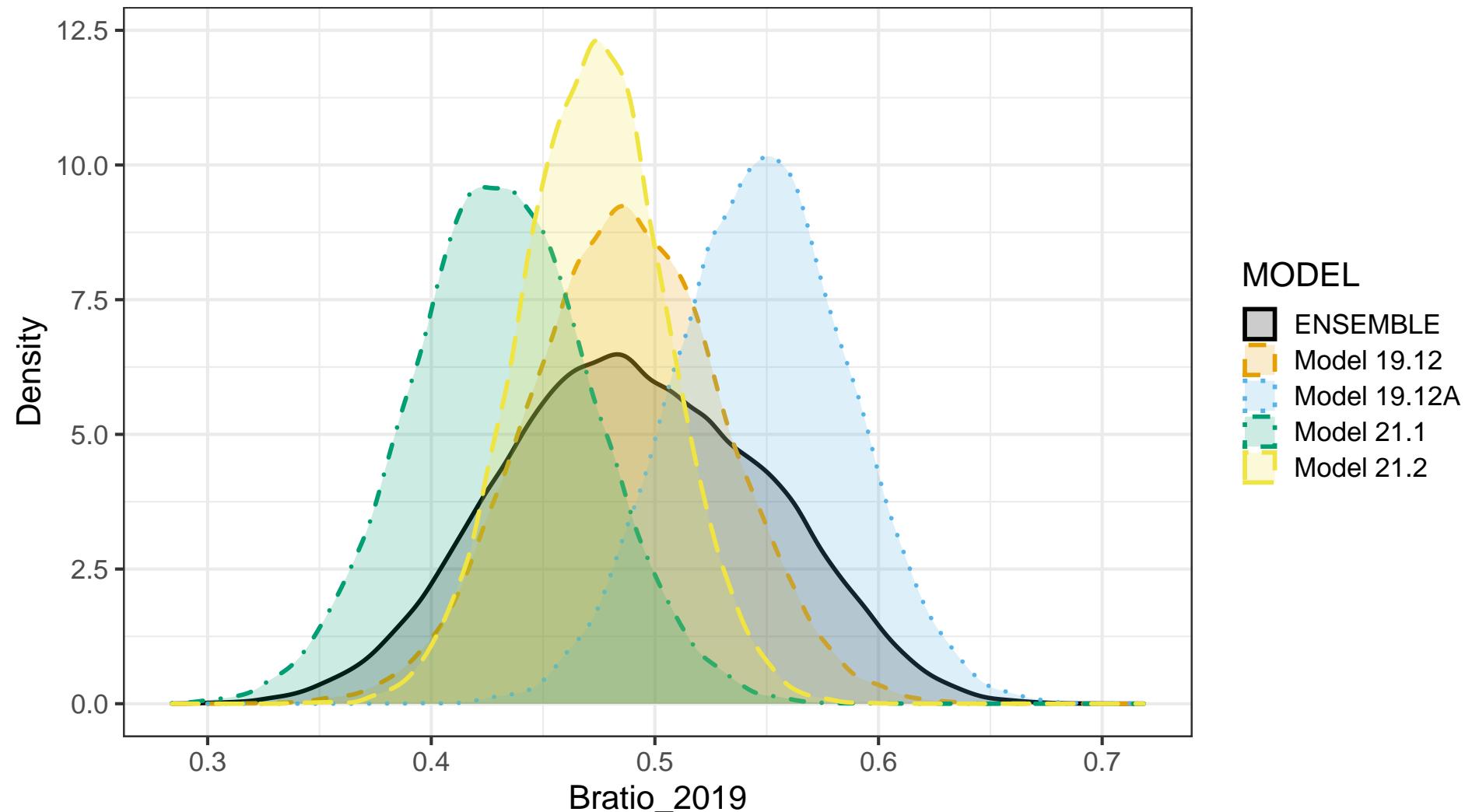
# Bratio\_2017



# Bratio\_2018



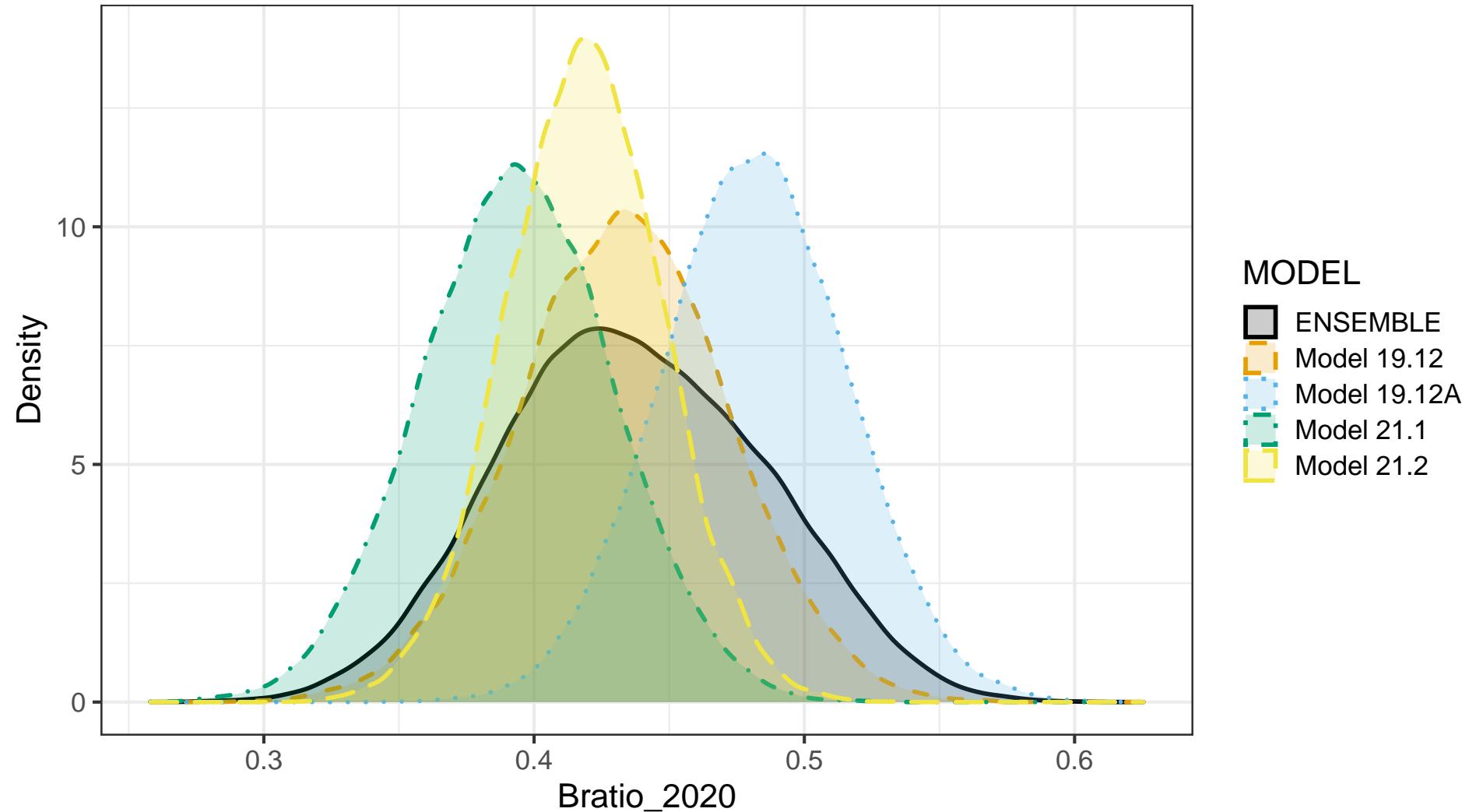
# Bratio\_2019



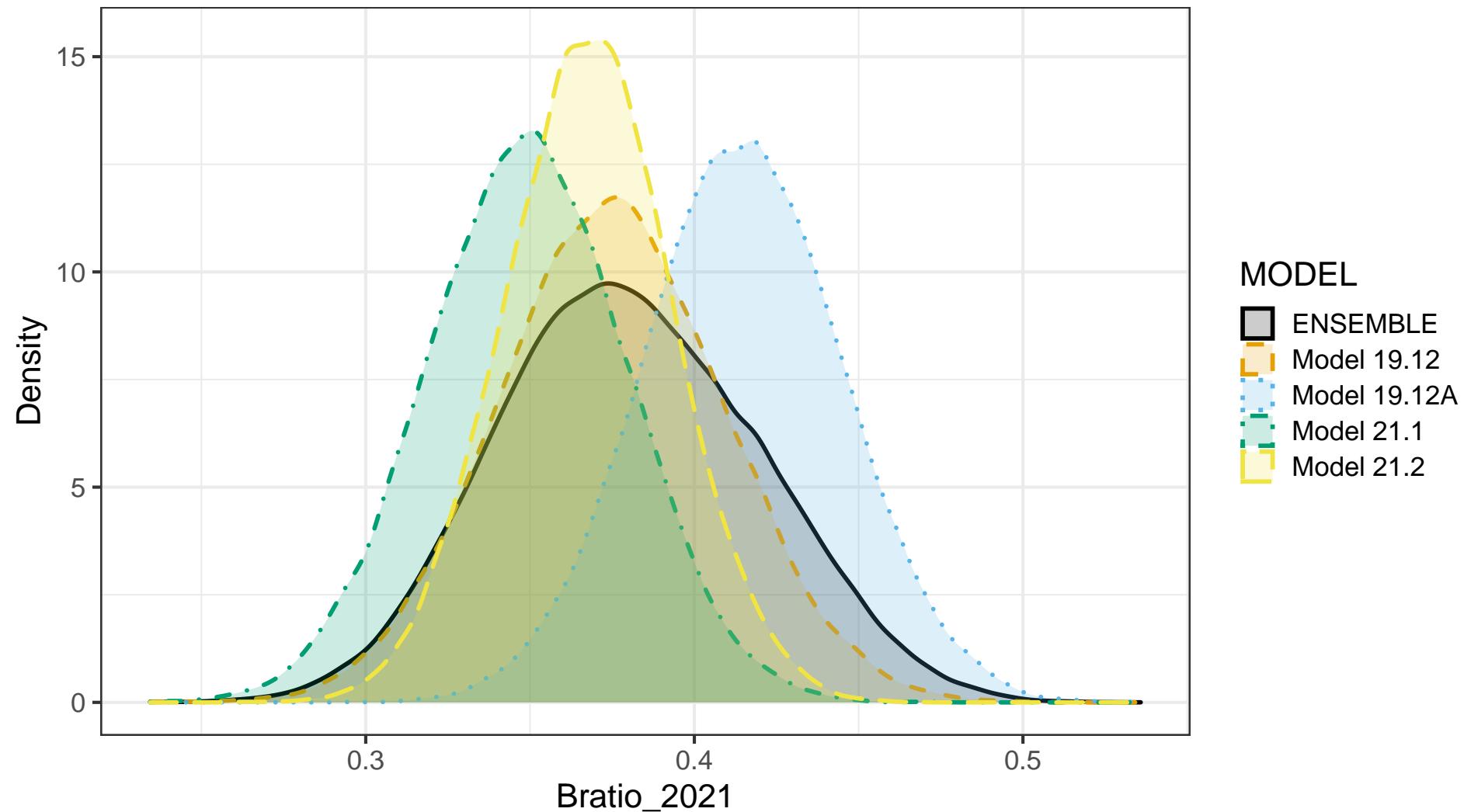
**MODEL**

- ENSEMBLE
- Model 19.12
- Model 19.12A
- Model 21.1
- Model 21.2

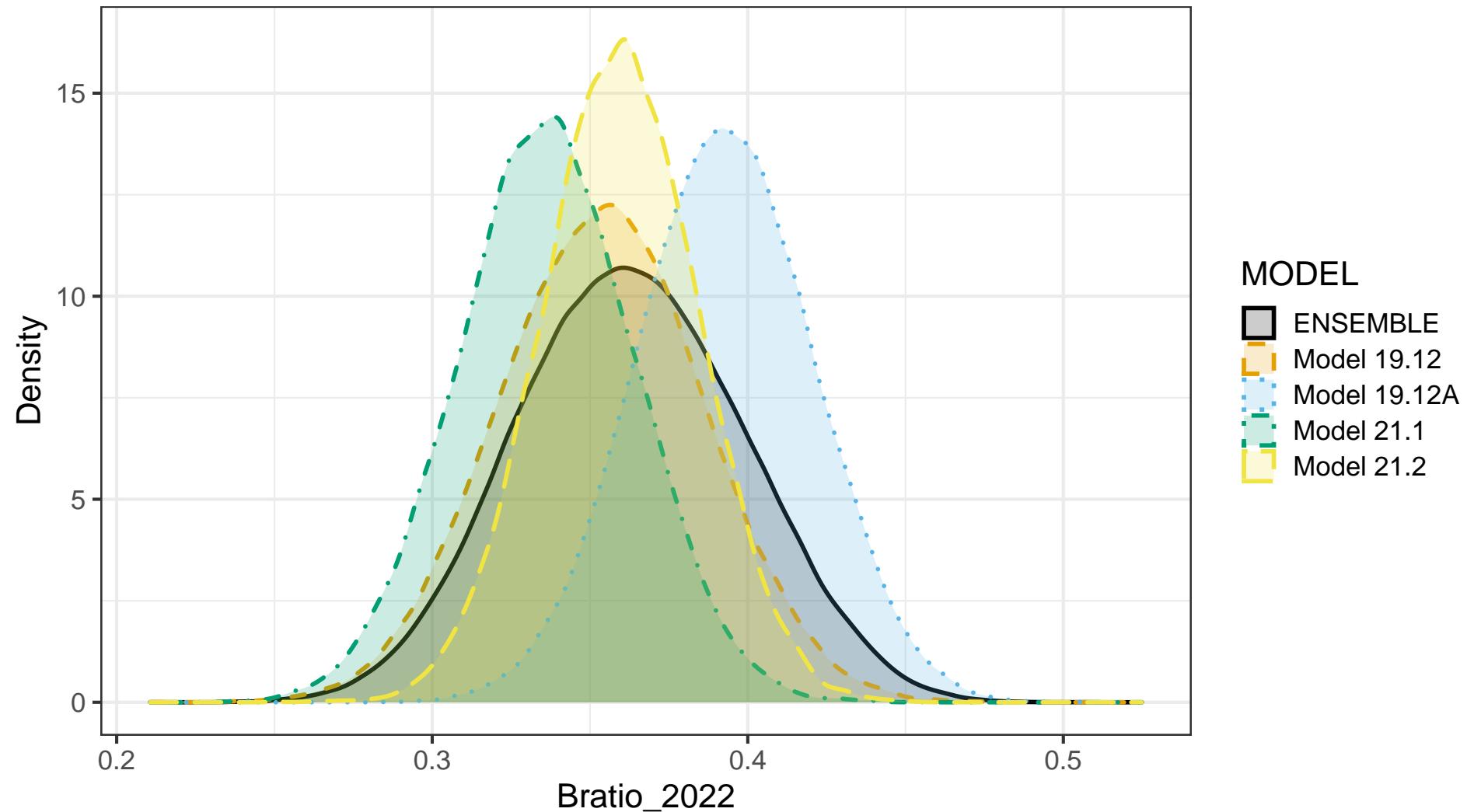
# Bratio\_2020



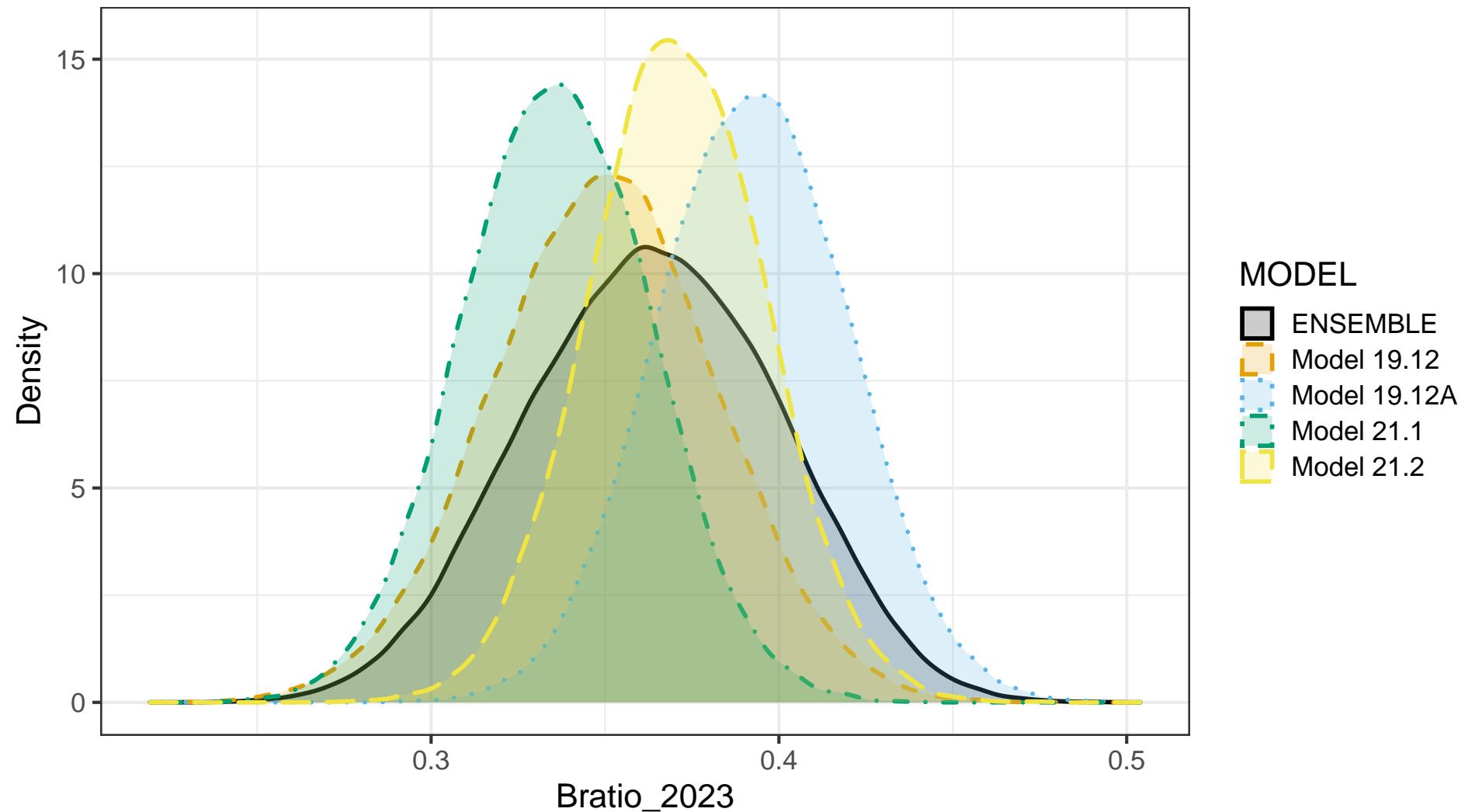
# Bratio\_2021



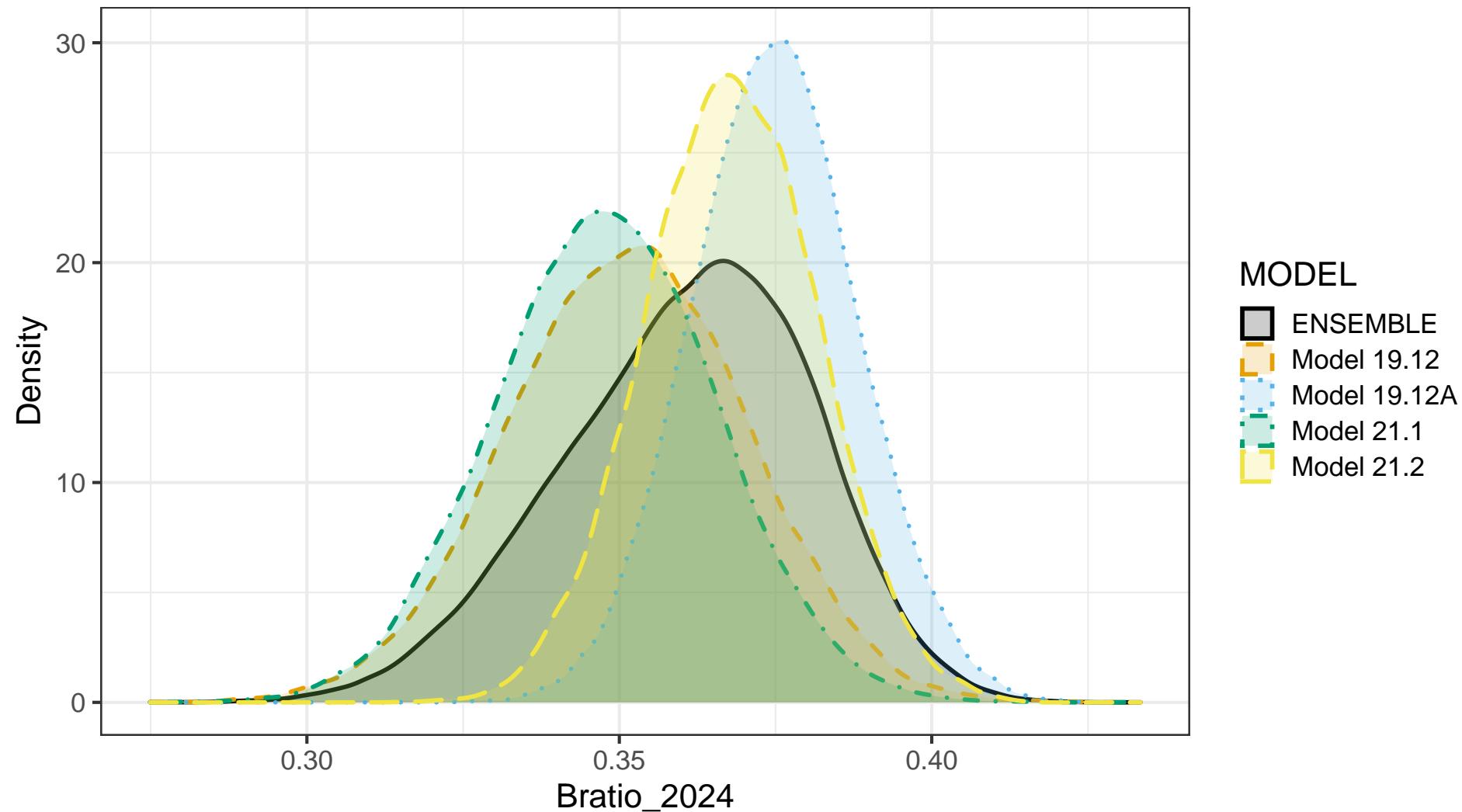
# Bratio\_2022



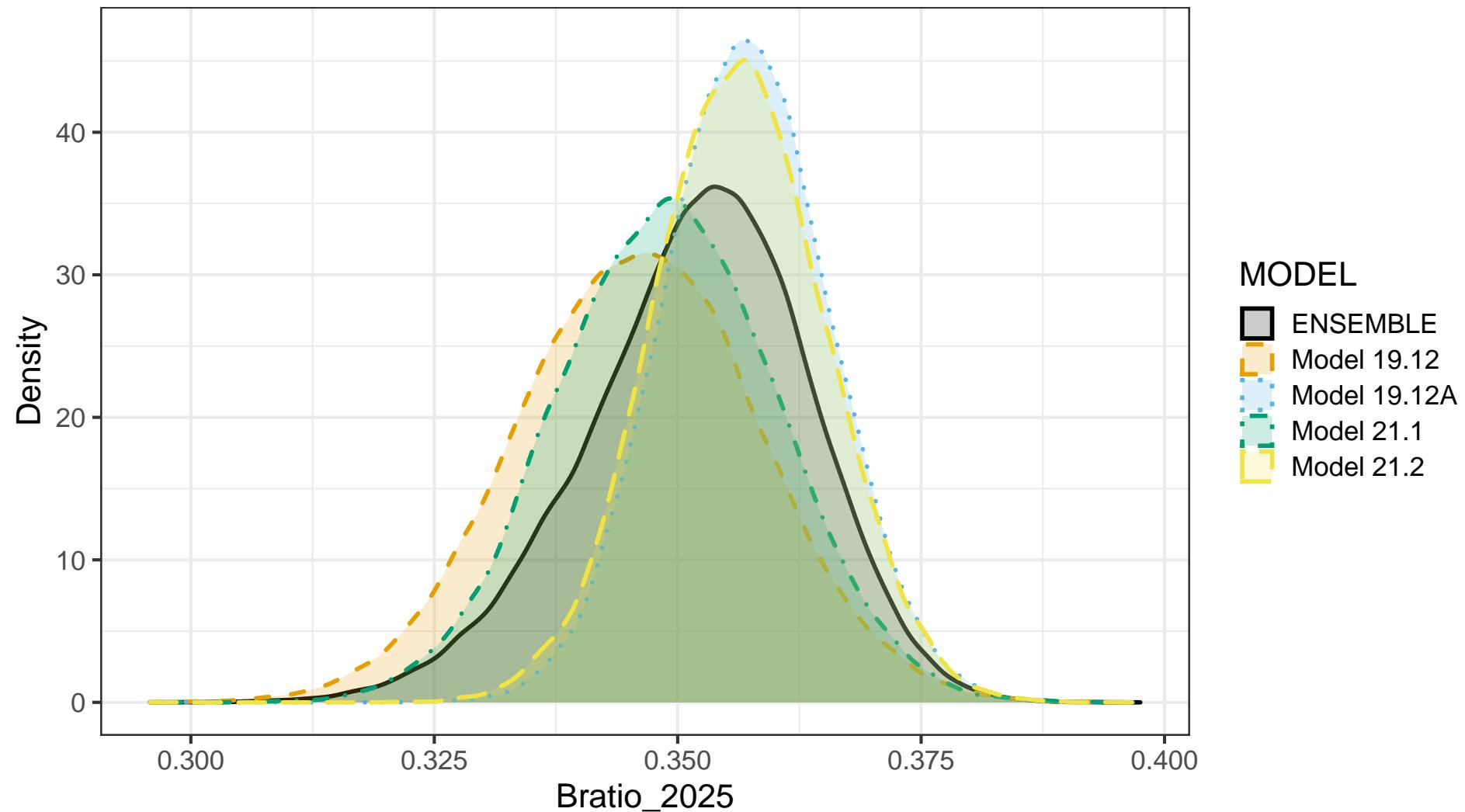
# Bratio\_2023



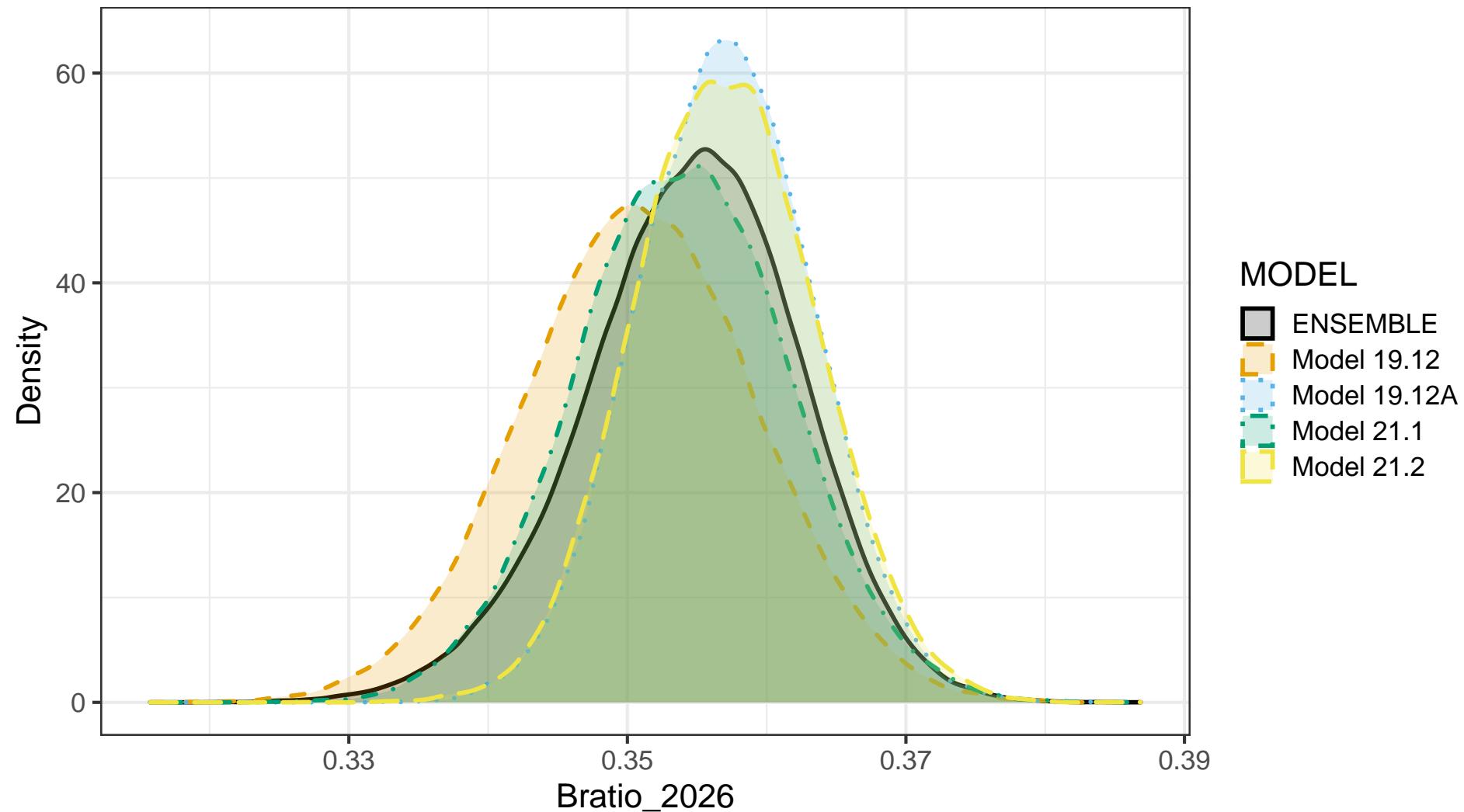
# Bratio\_2024



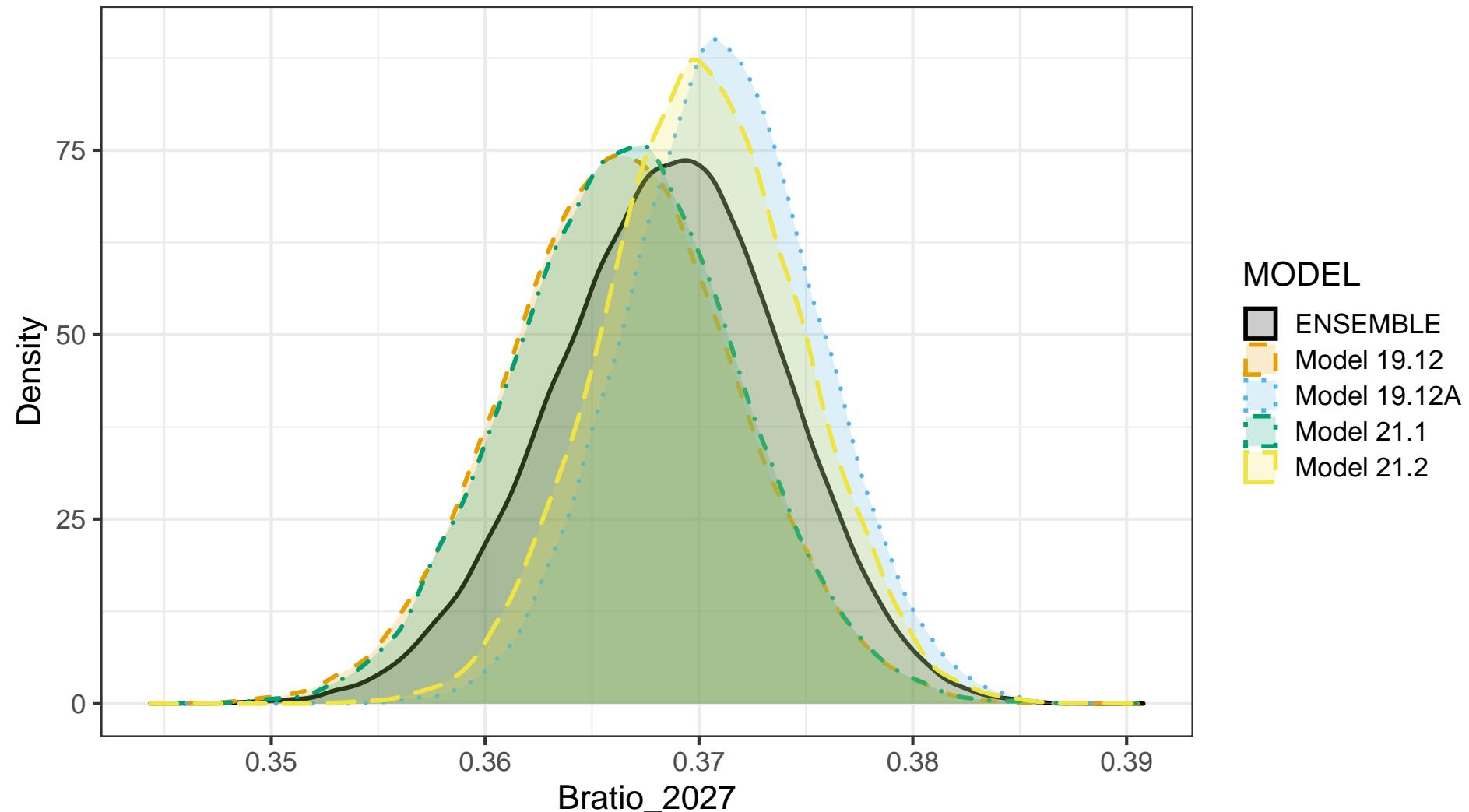
# Bratio\_2025



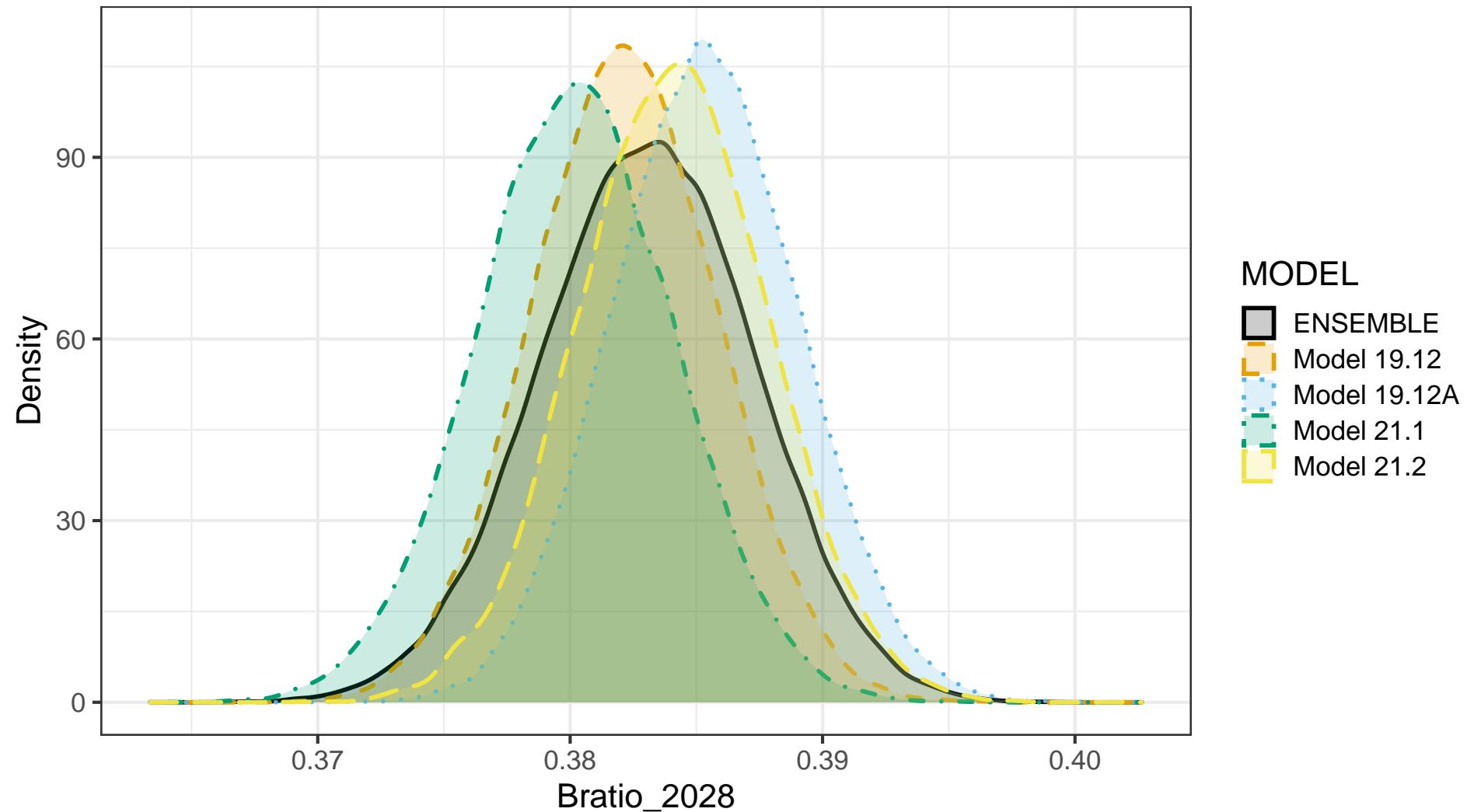
# Bratio\_2026



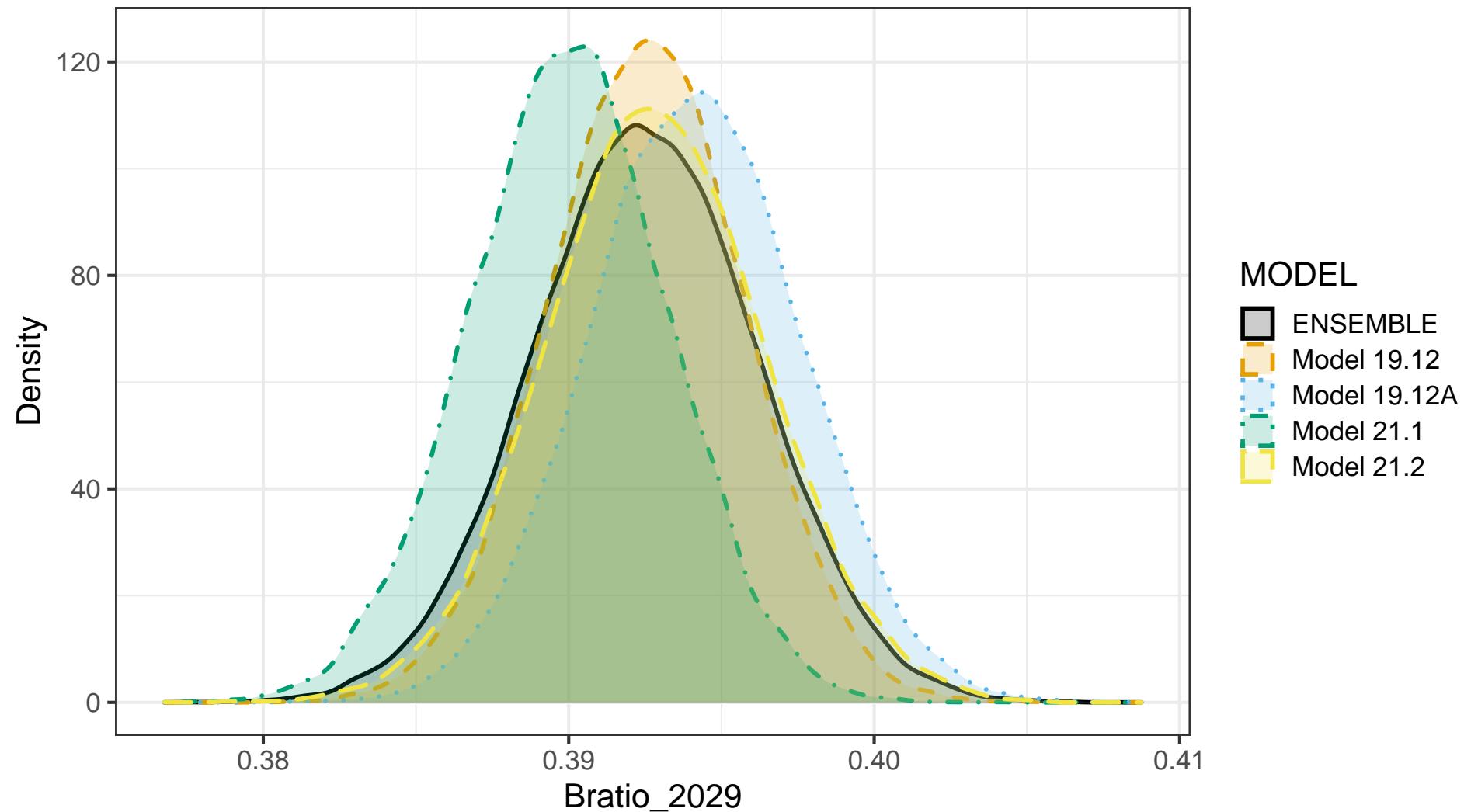
# Bratio\_2027



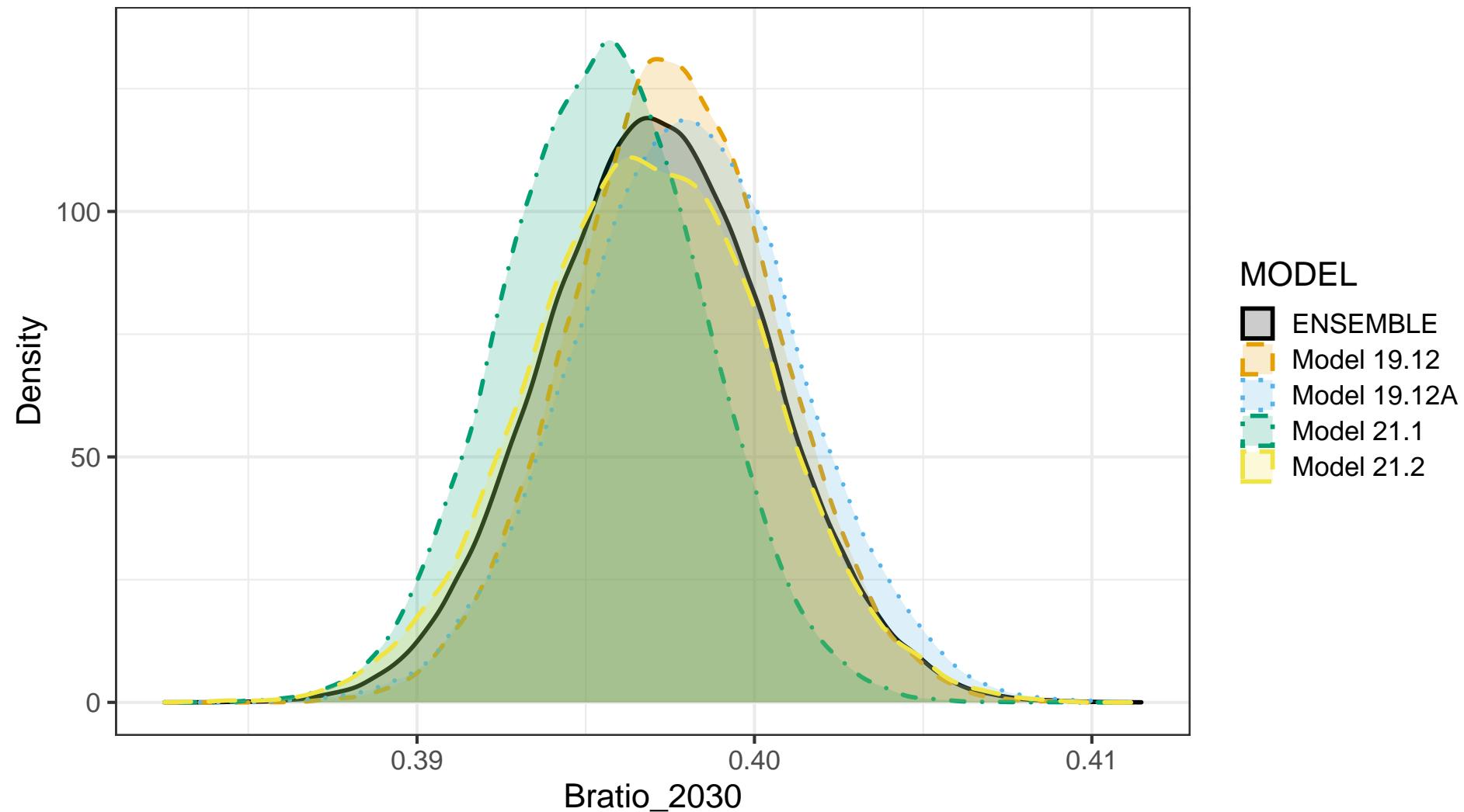
# Bratio\_2028



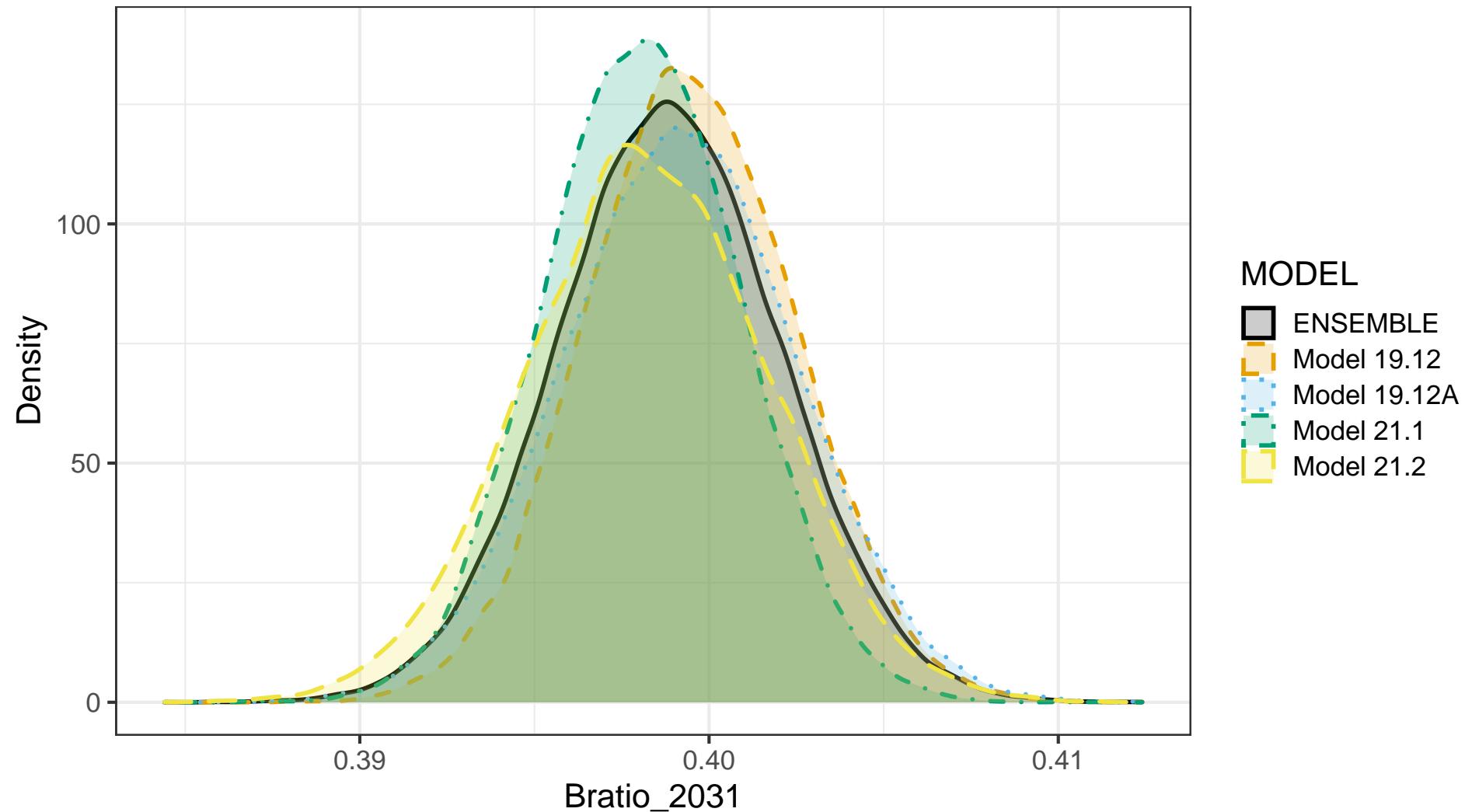
# Bratio\_2029



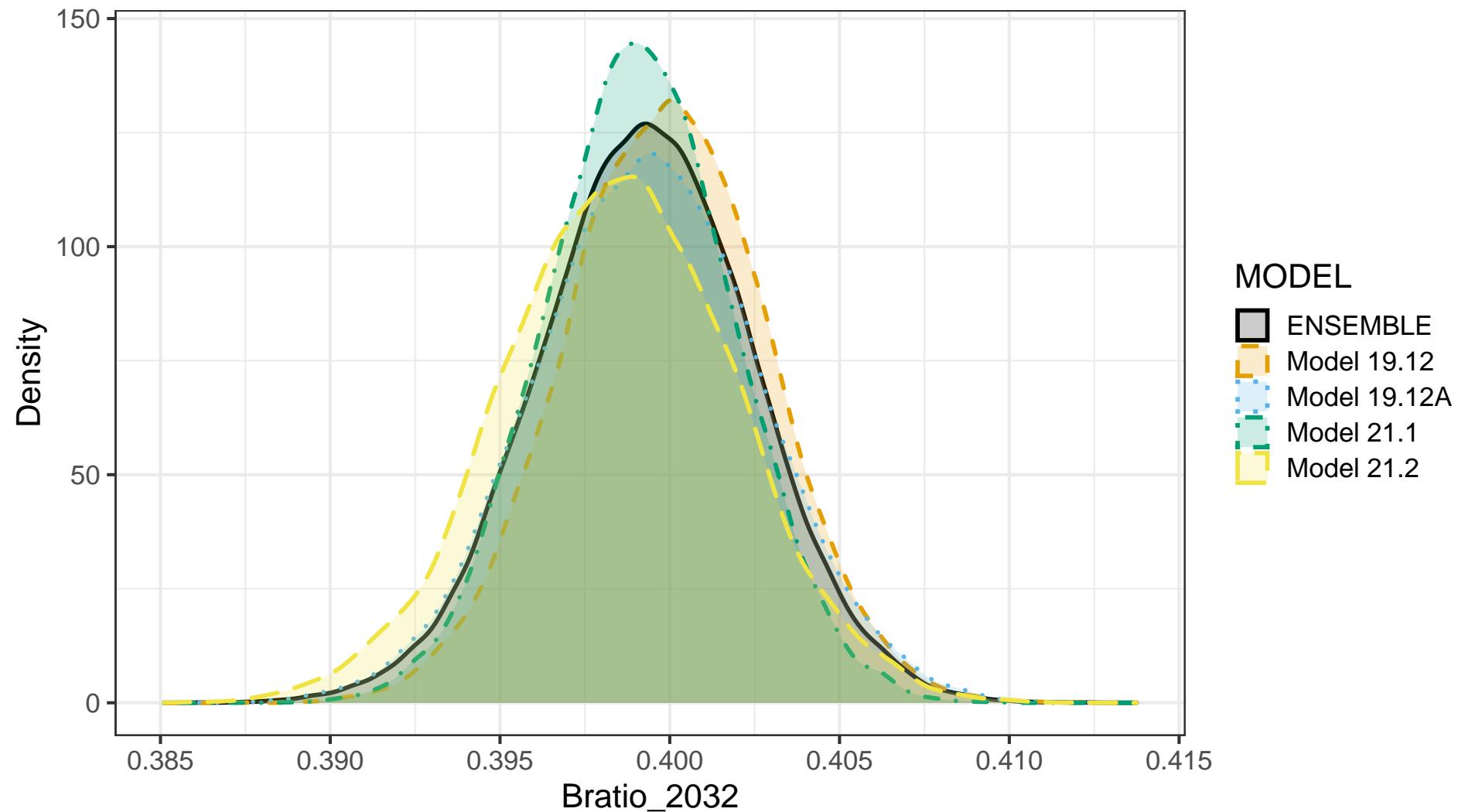
# Bratio\_2030



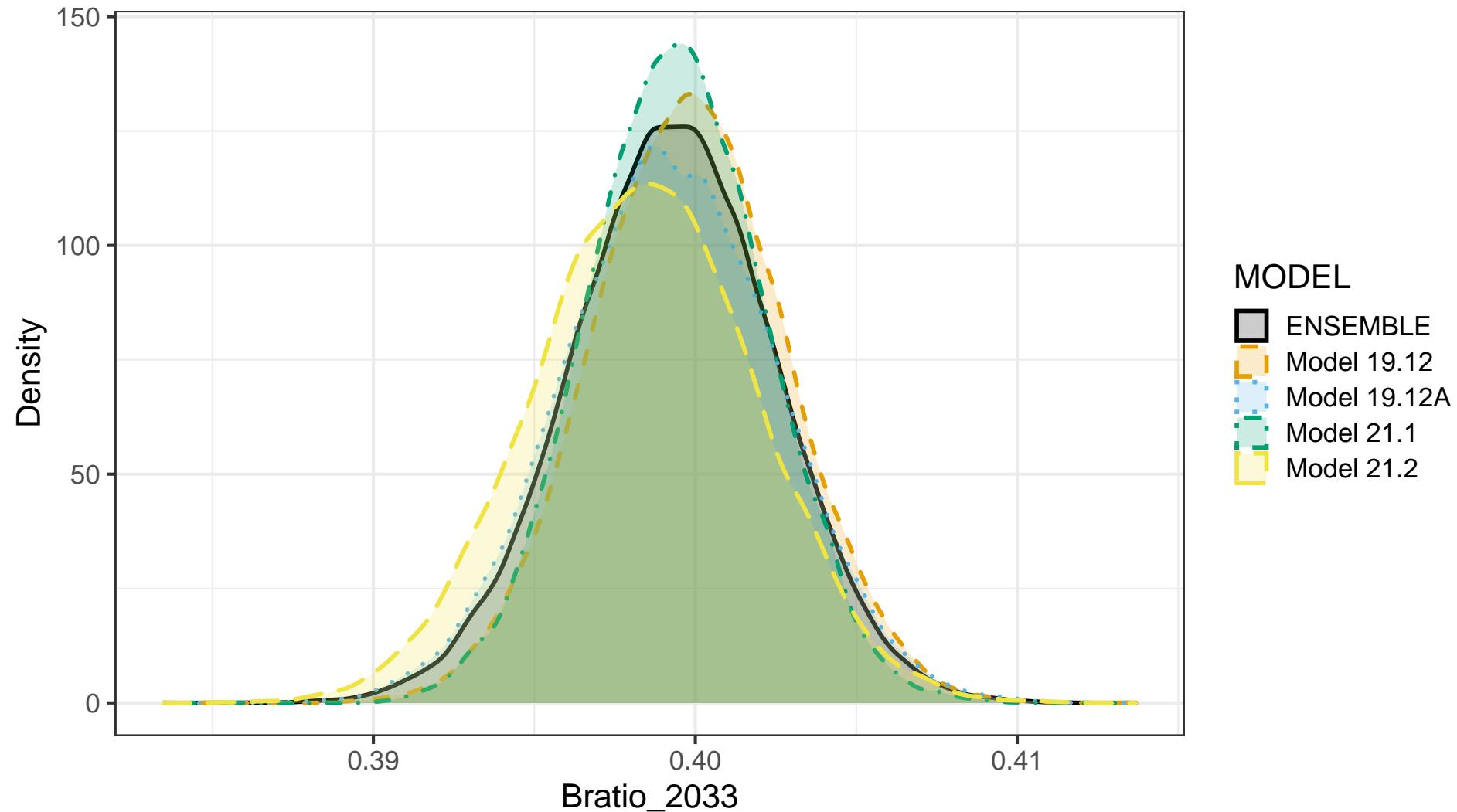
# Bratio\_2031



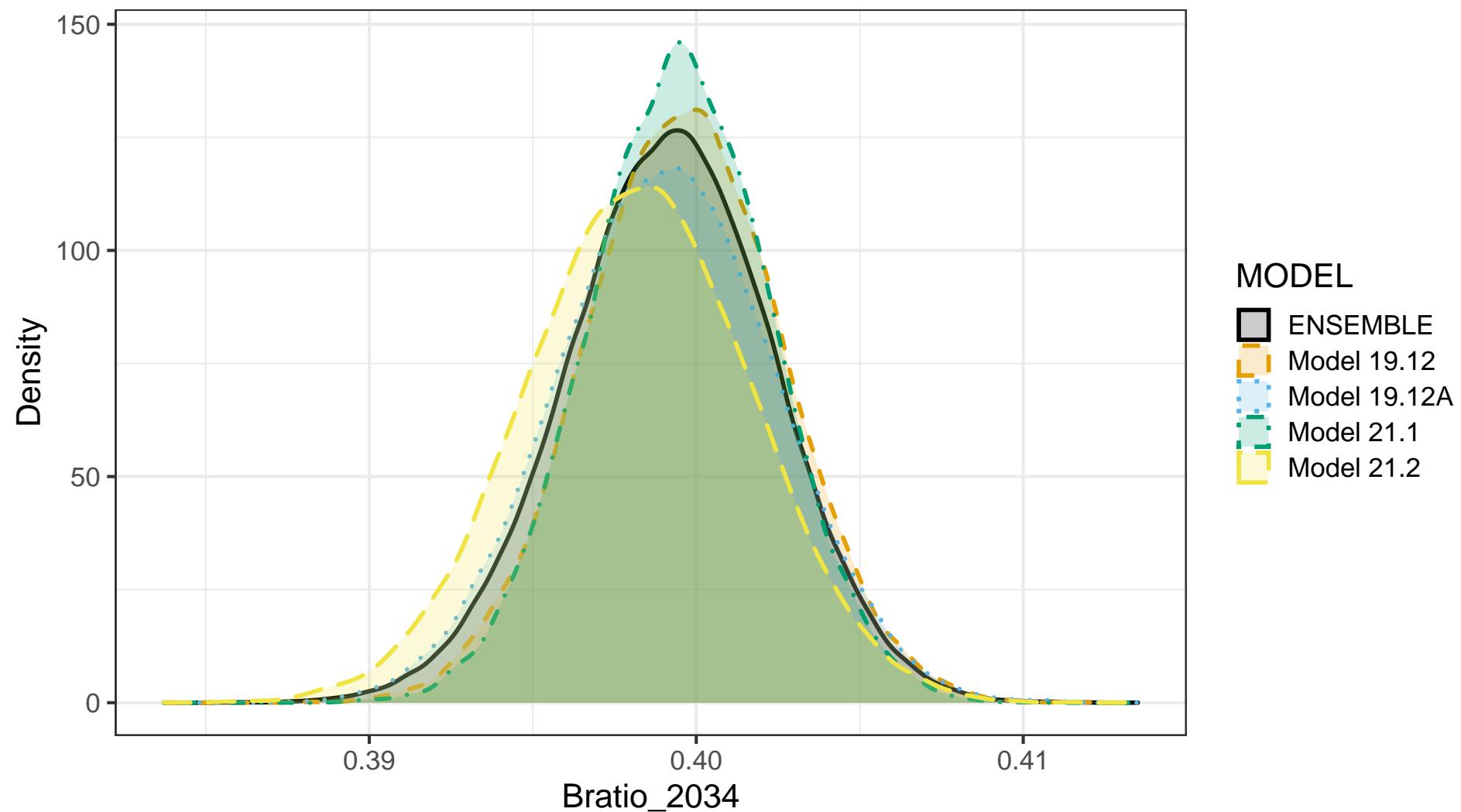
# Bratio\_2032



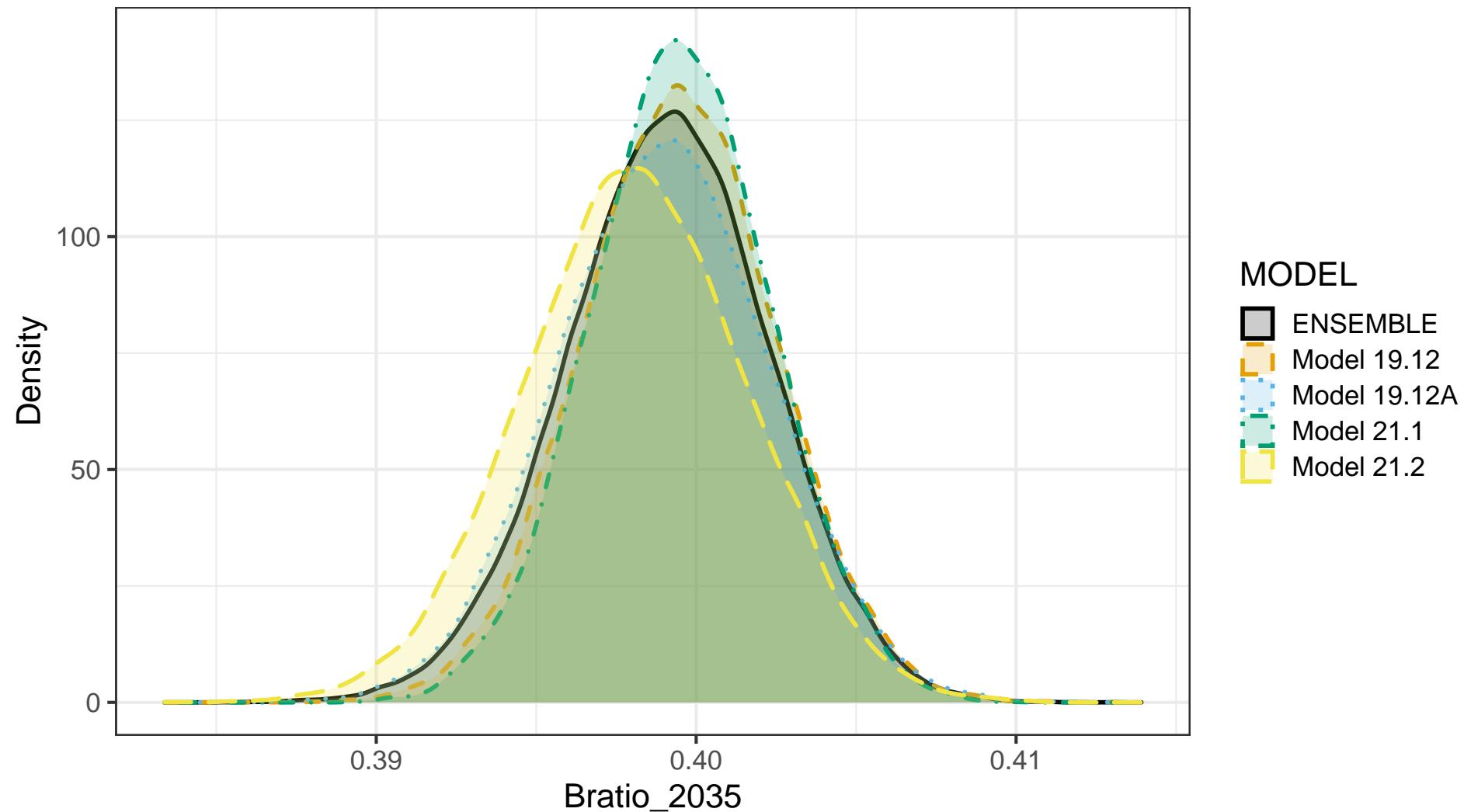
# Bratio\_2033



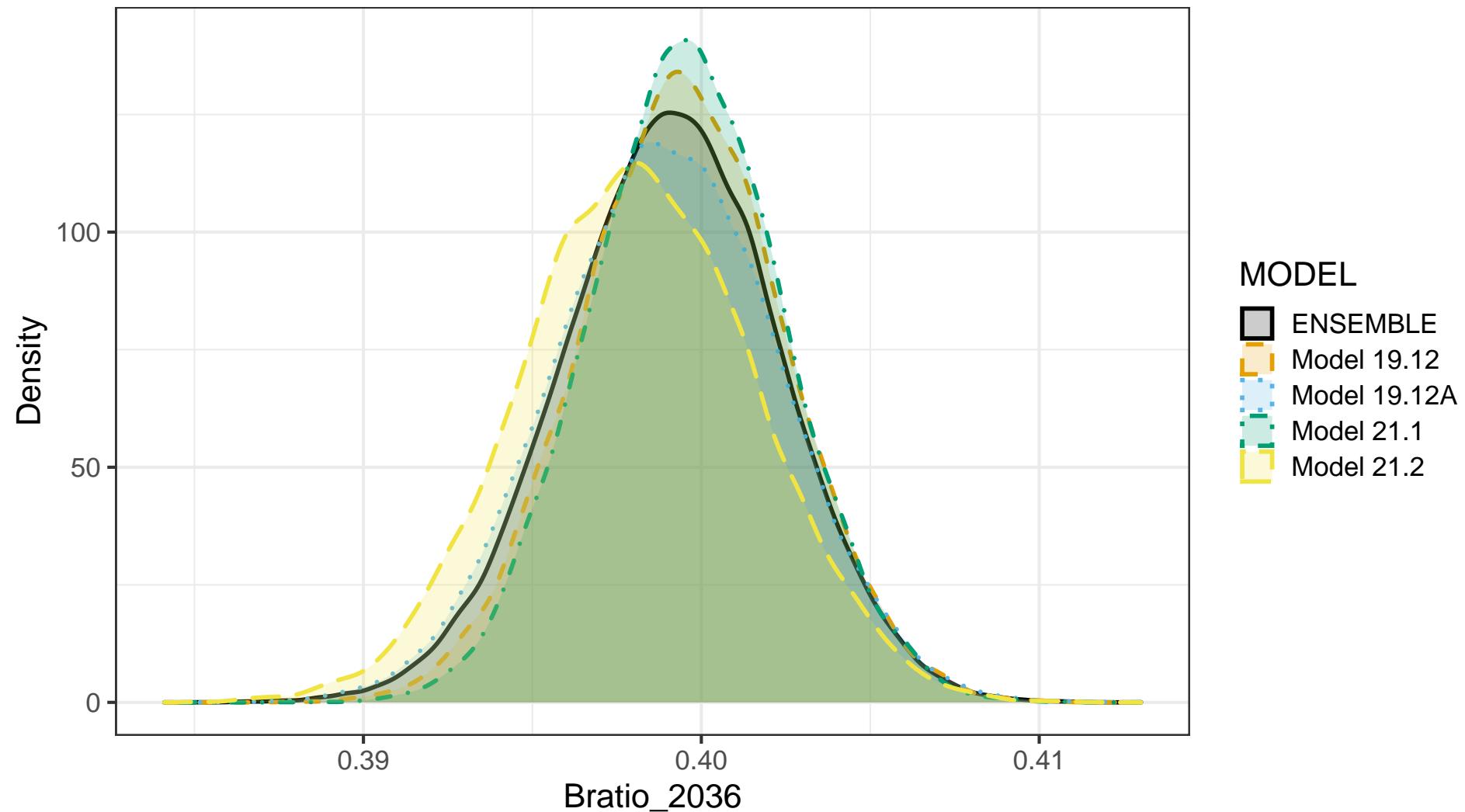
# Bratio\_2034



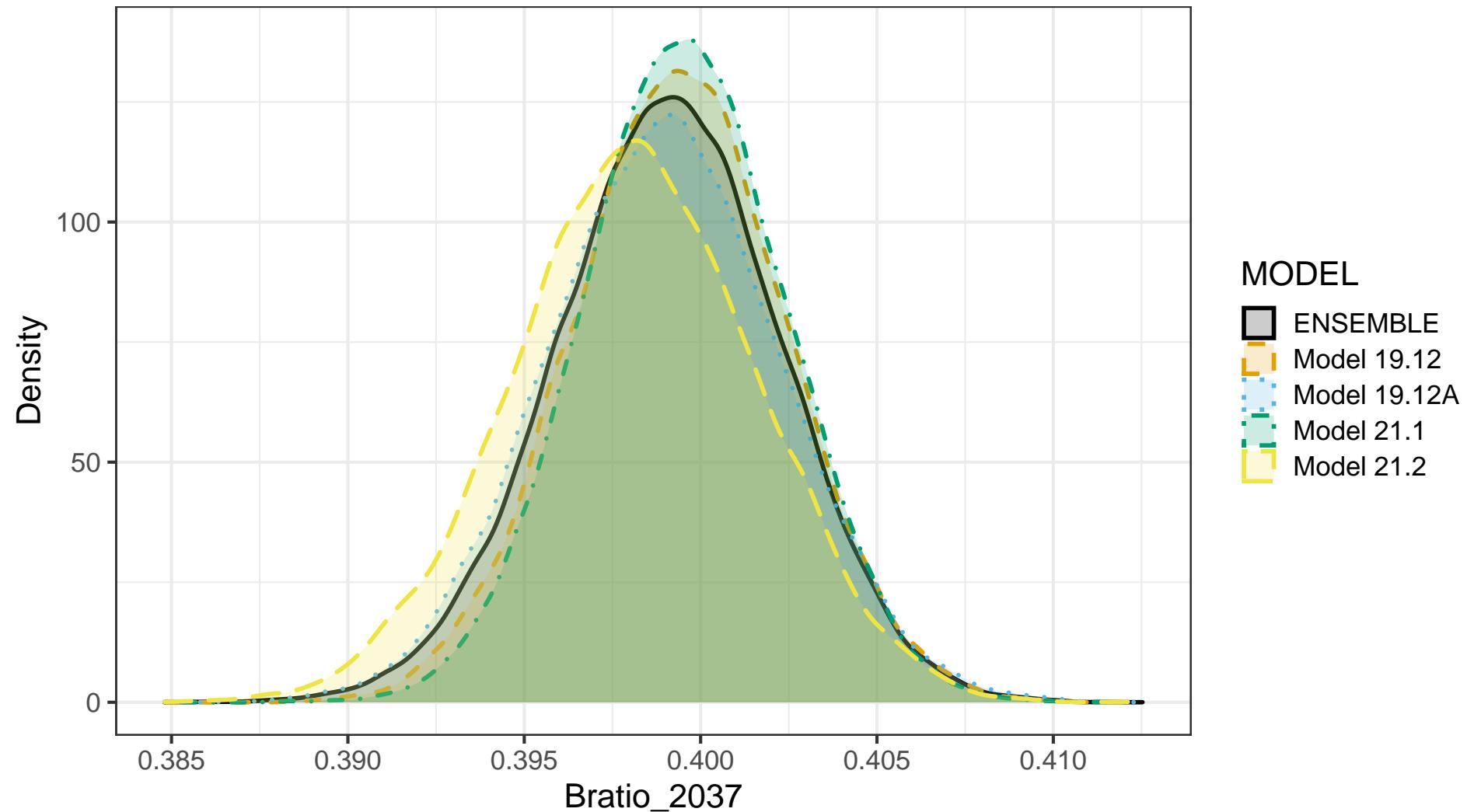
# Bratio\_2035



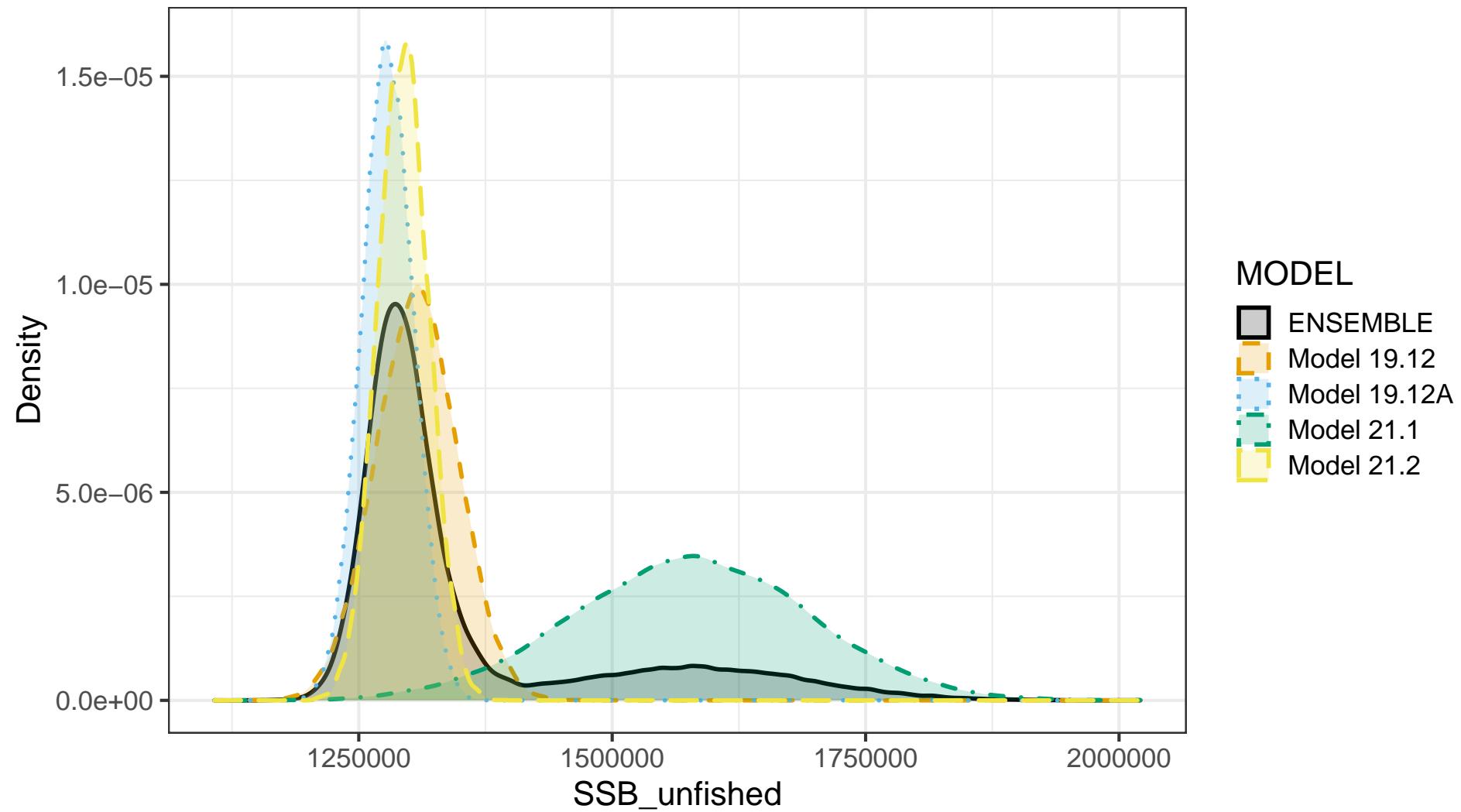
# Bratio\_2036



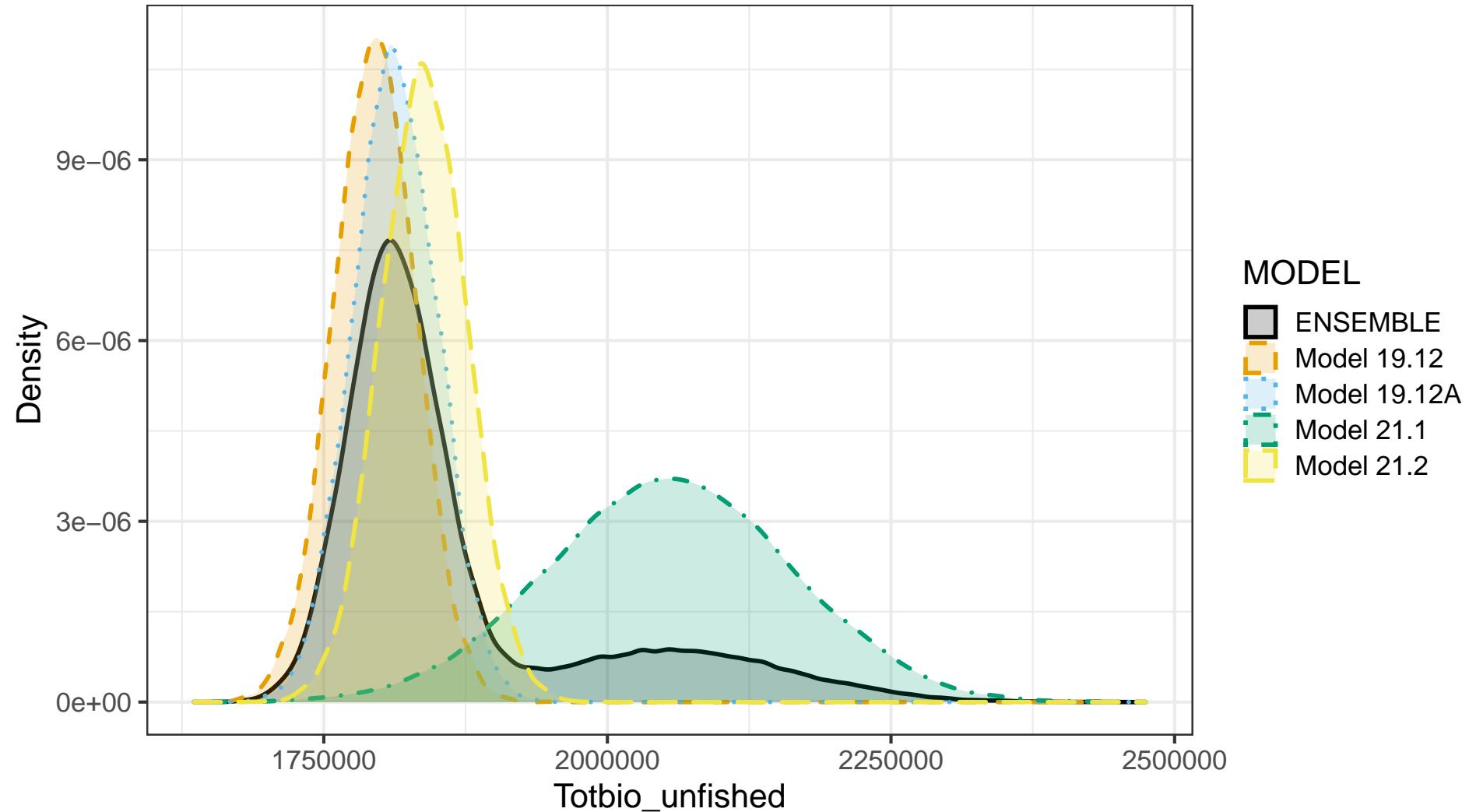
# Bratio\_2037



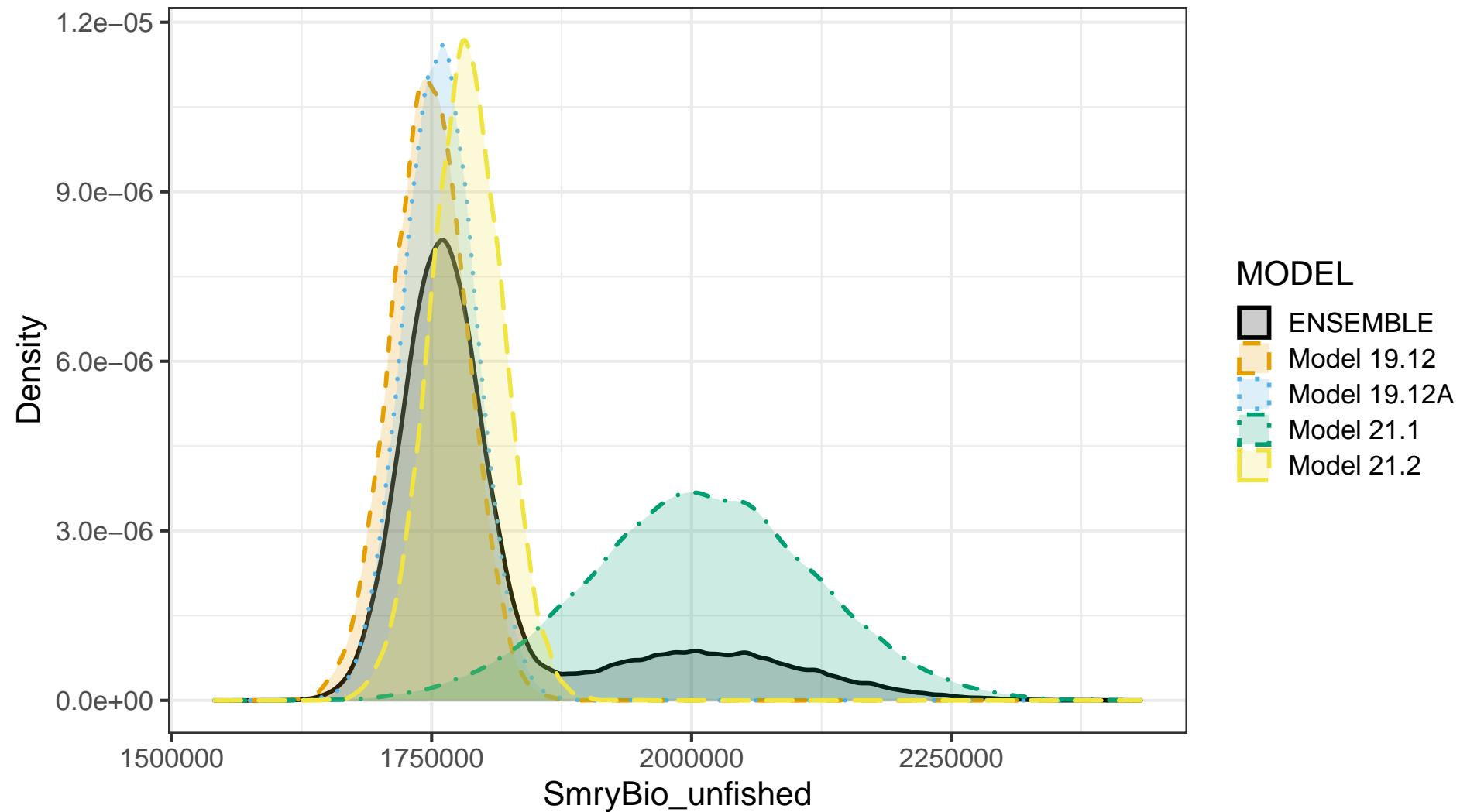
# SSB\_unfished



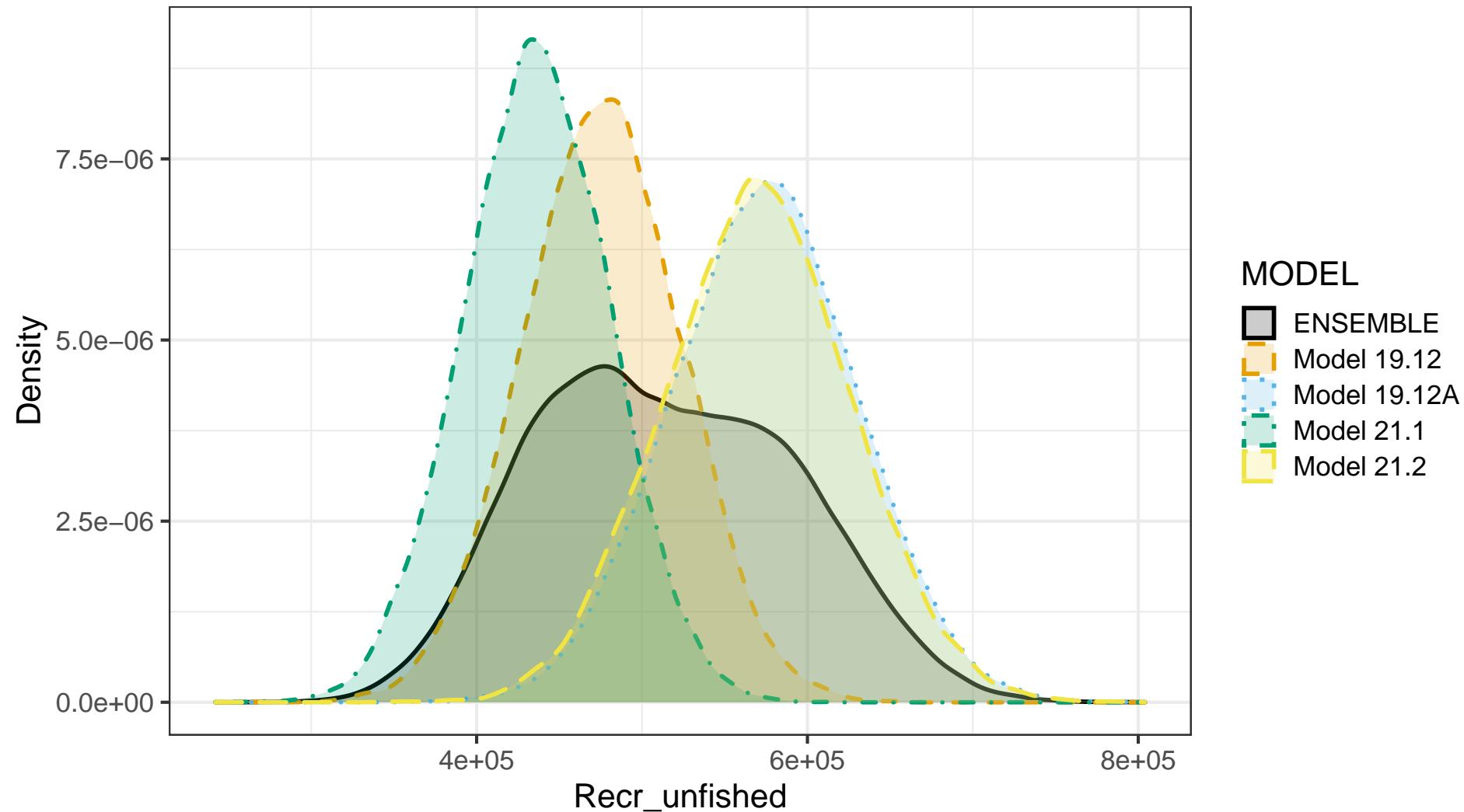
# Totbio\_unfished



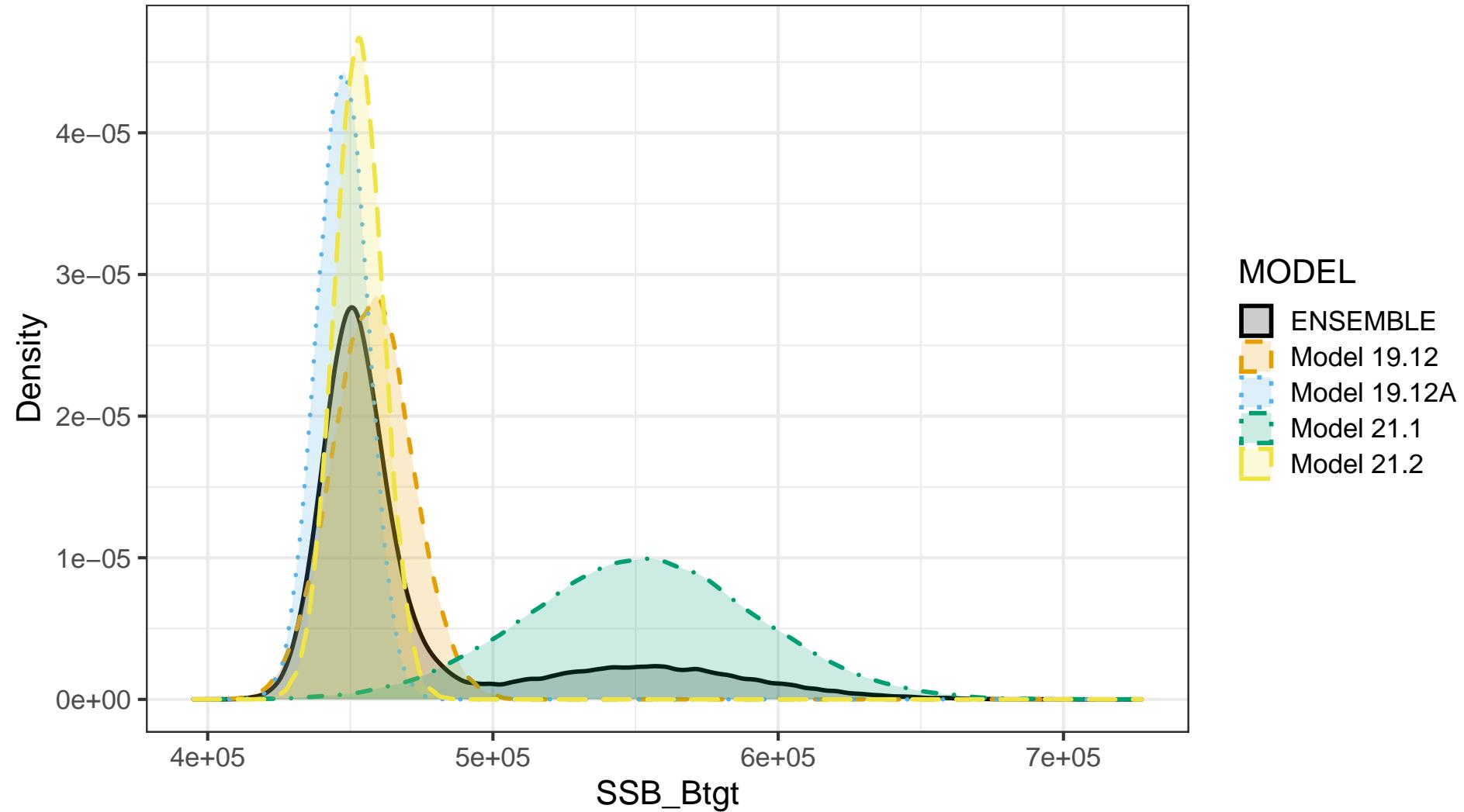
# SmryBio\_unfished



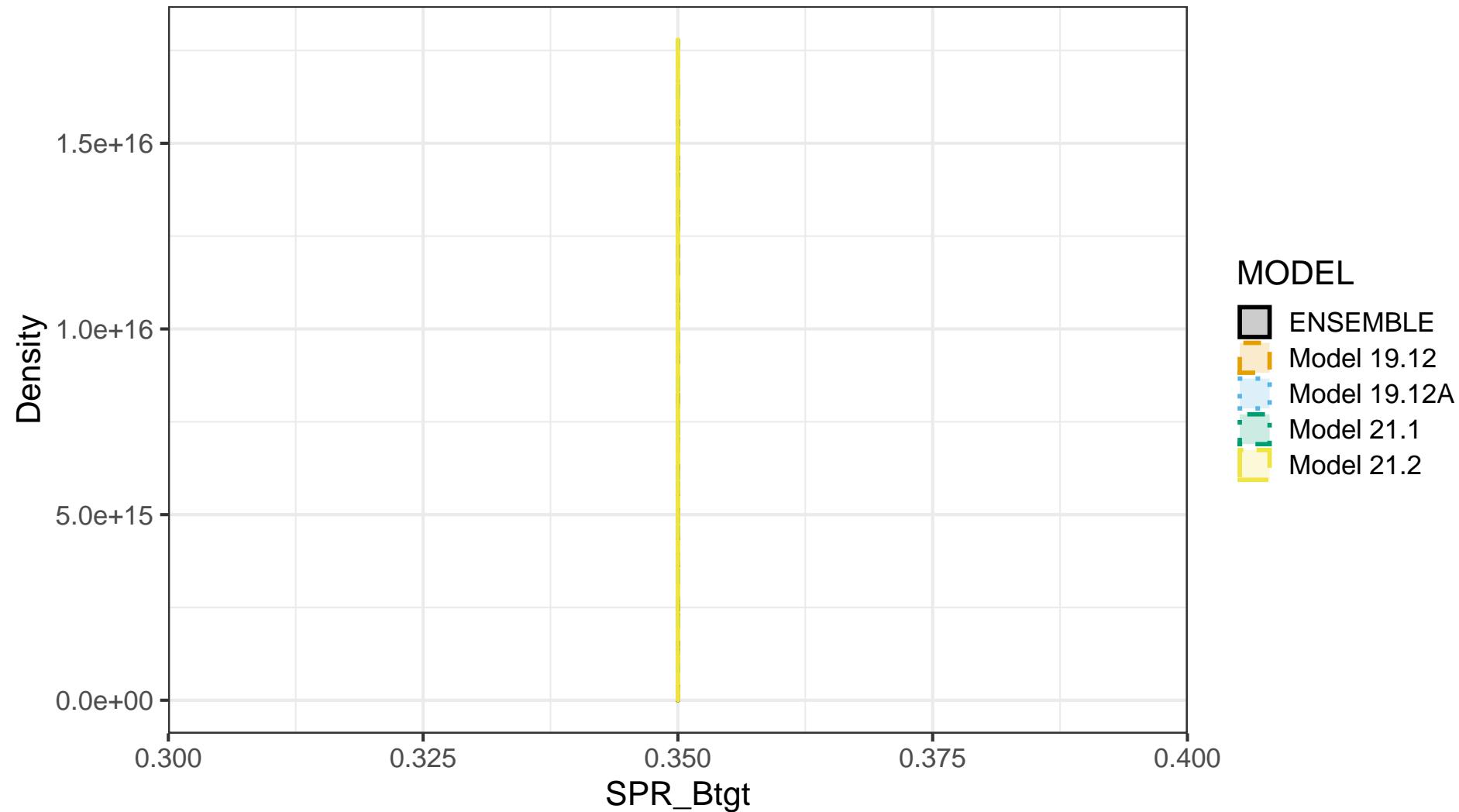
# Recr\_unfished



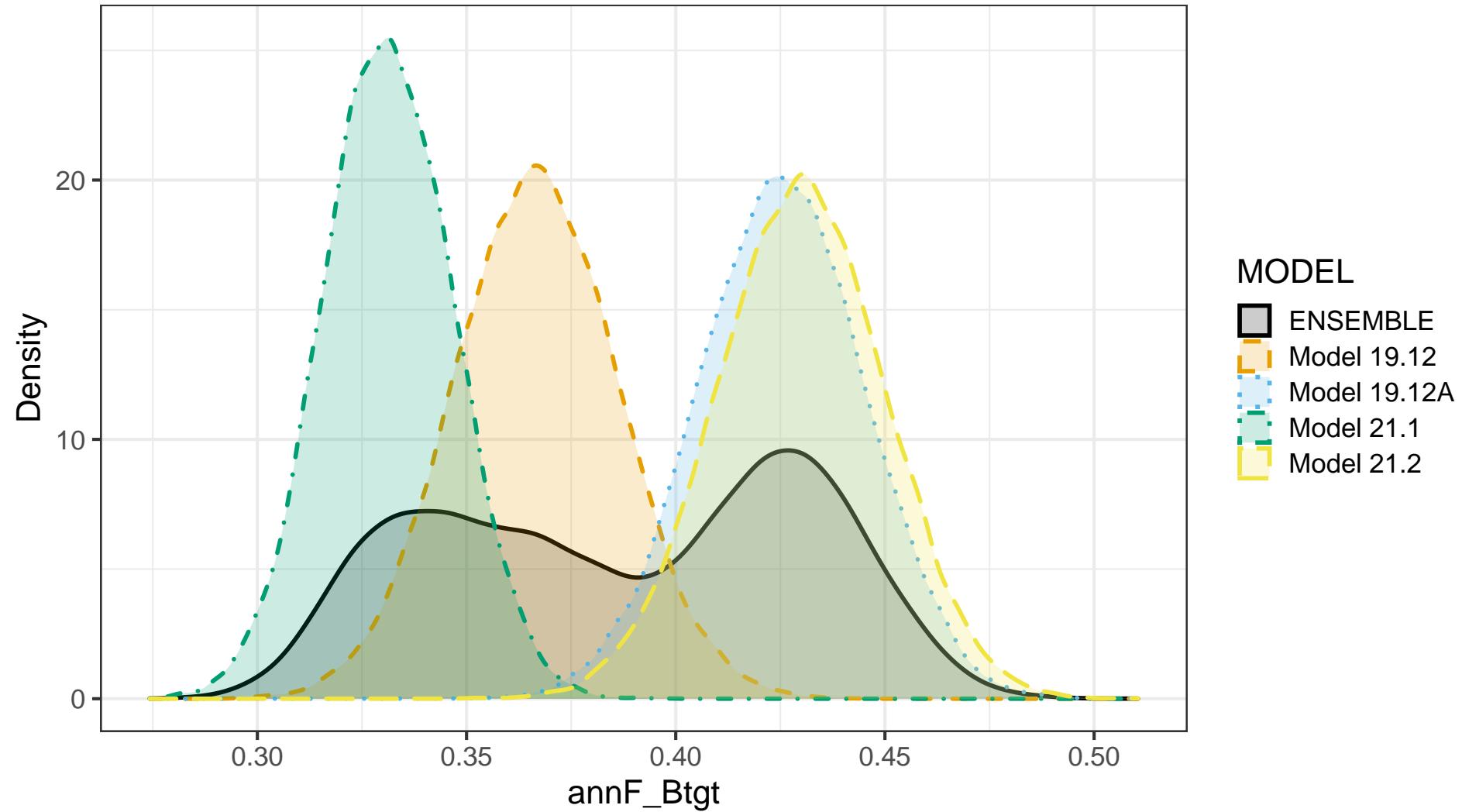
# SSB\_Btgt



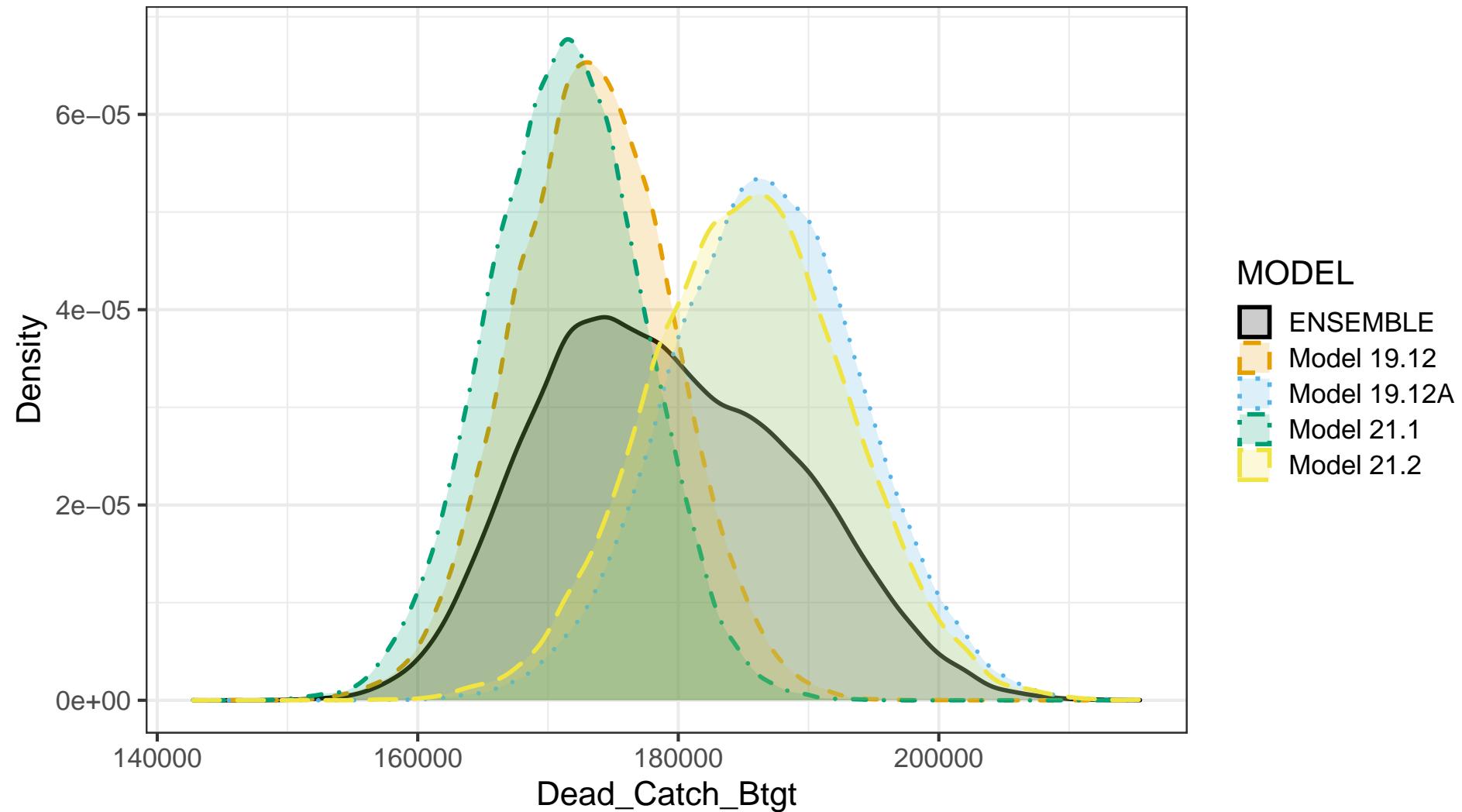
# SPR\_Btgt



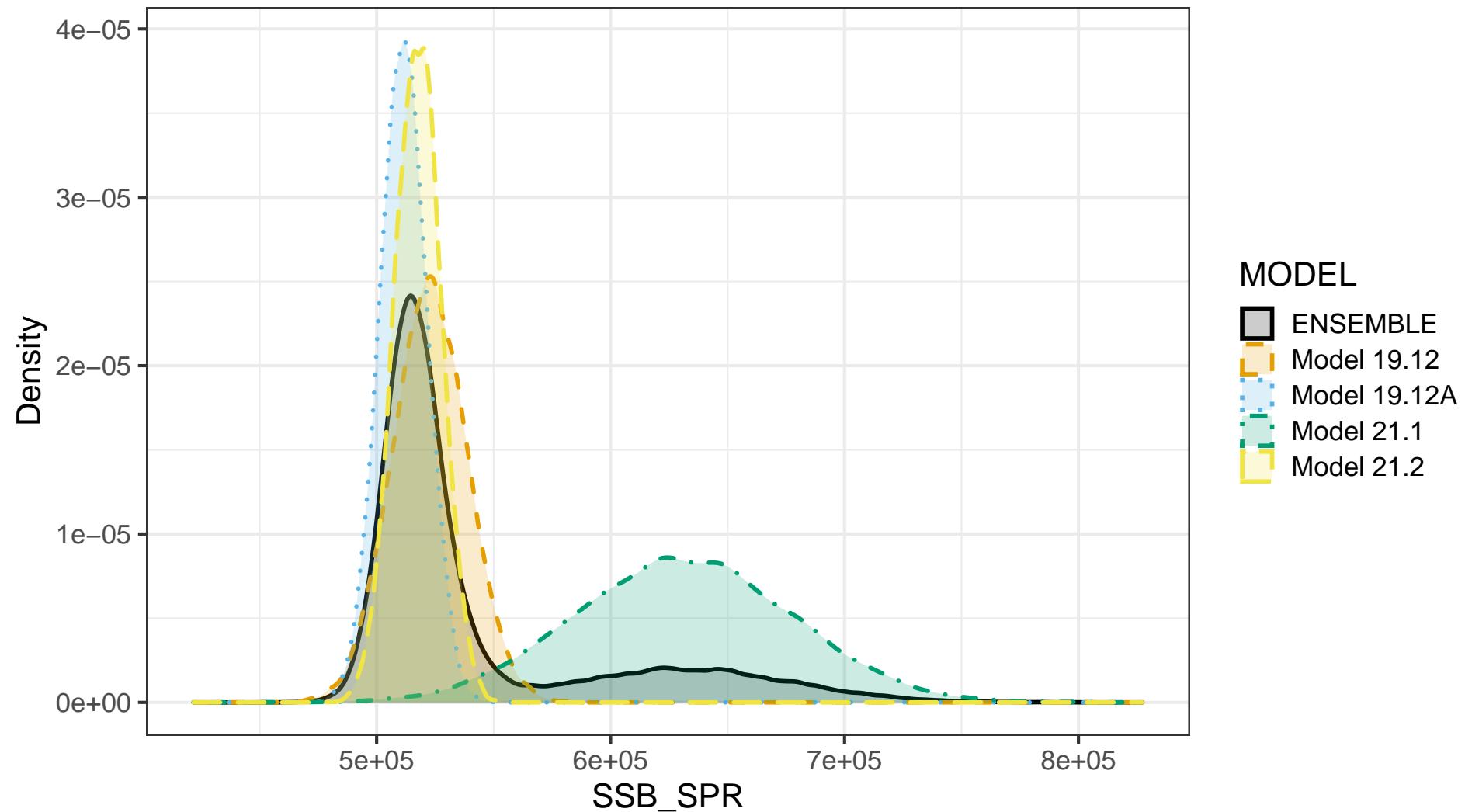
# annF\_Btgt



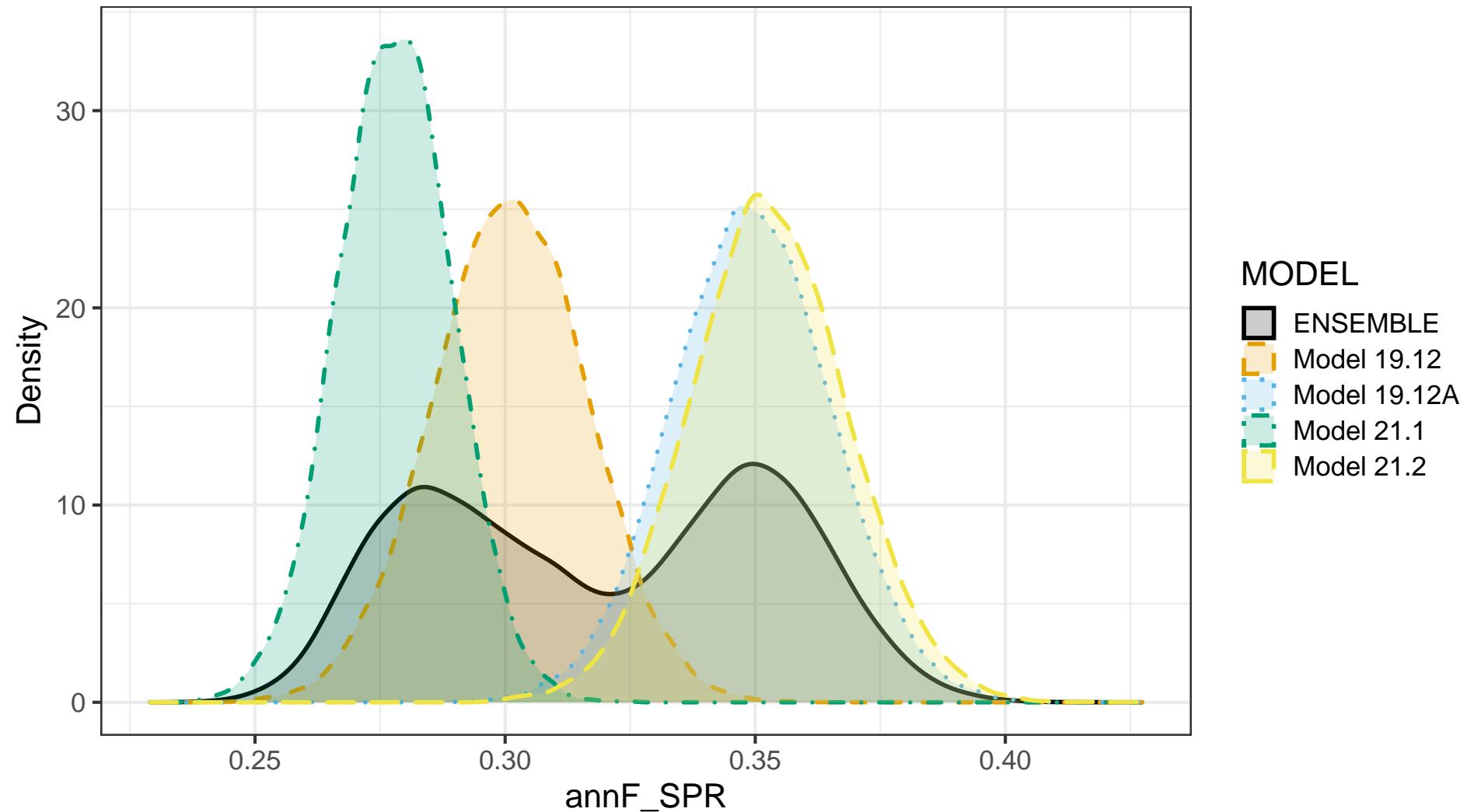
# Dead\_Catch\_Btgt



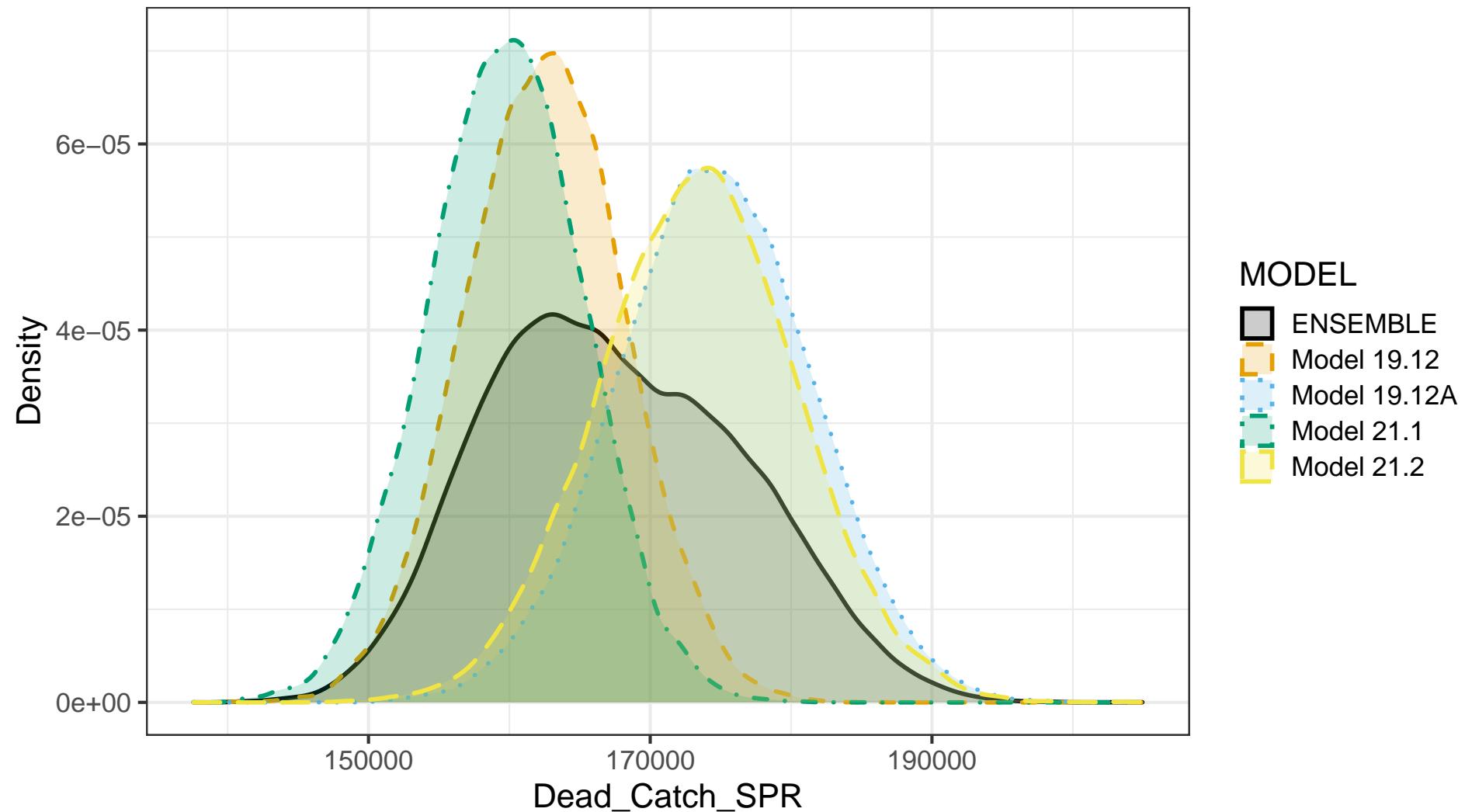
# SSB\_SPR



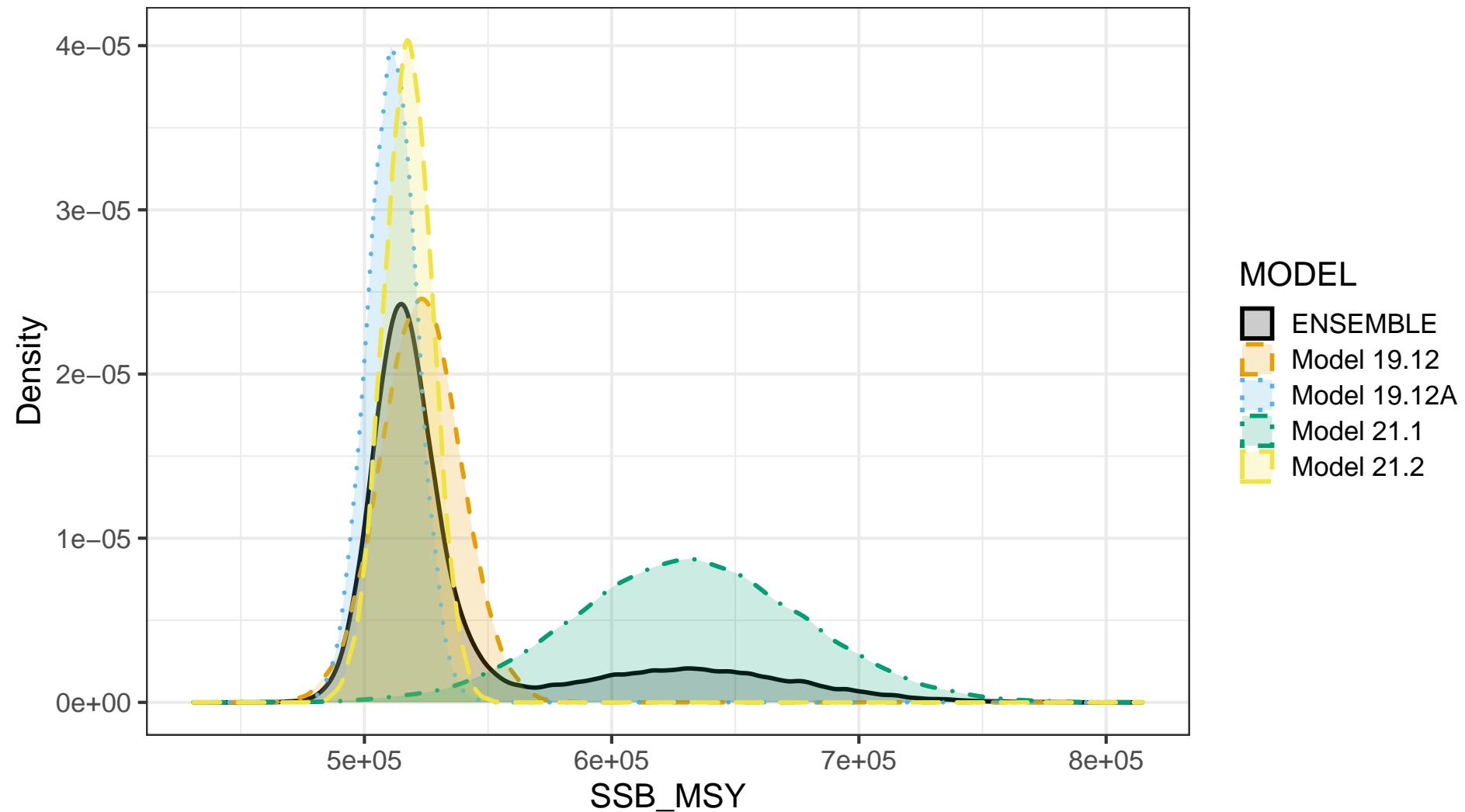
# annF\_SPR



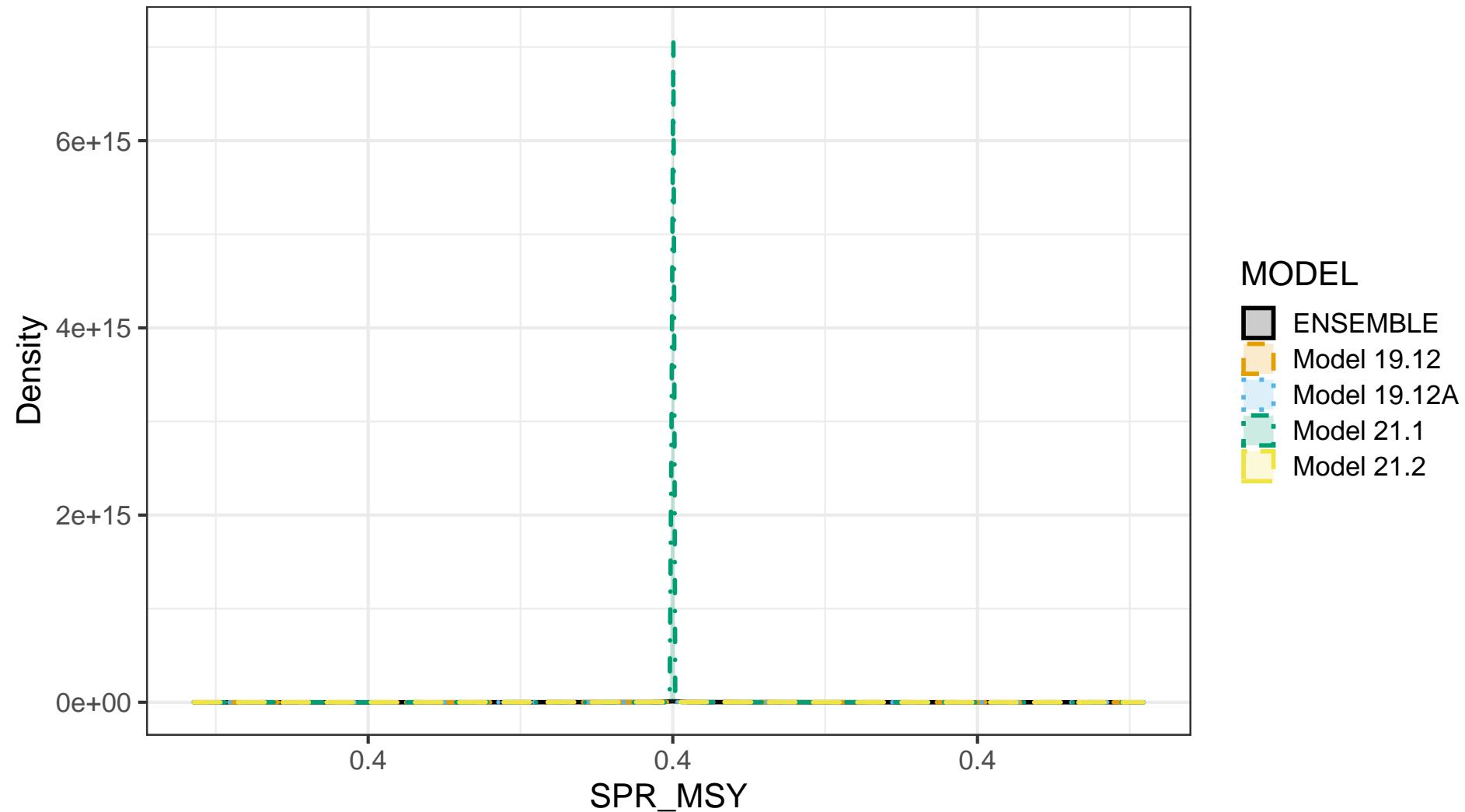
# Dead\_Catch\_SPR



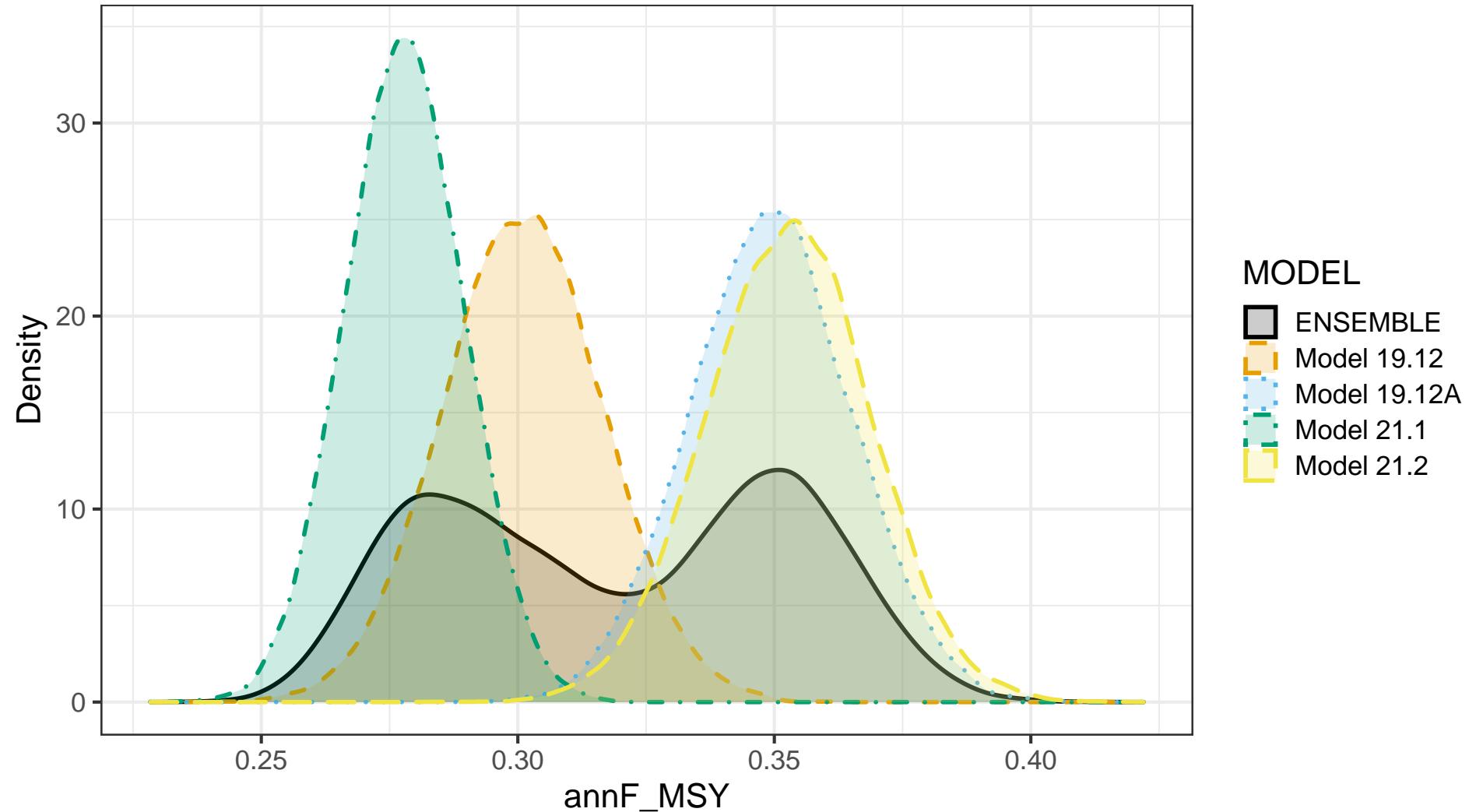
# SSB\_MSY



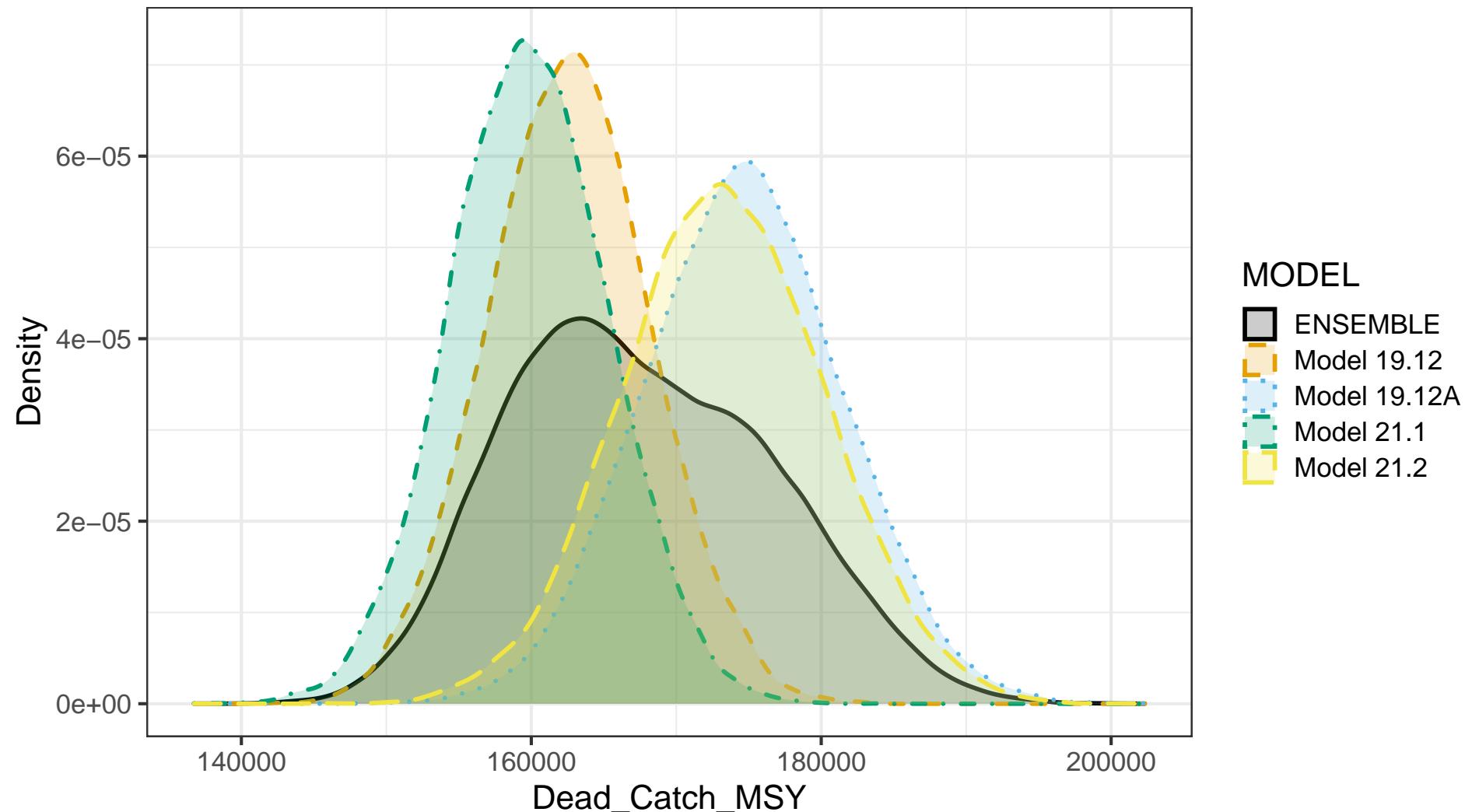
# SPR\_MSY



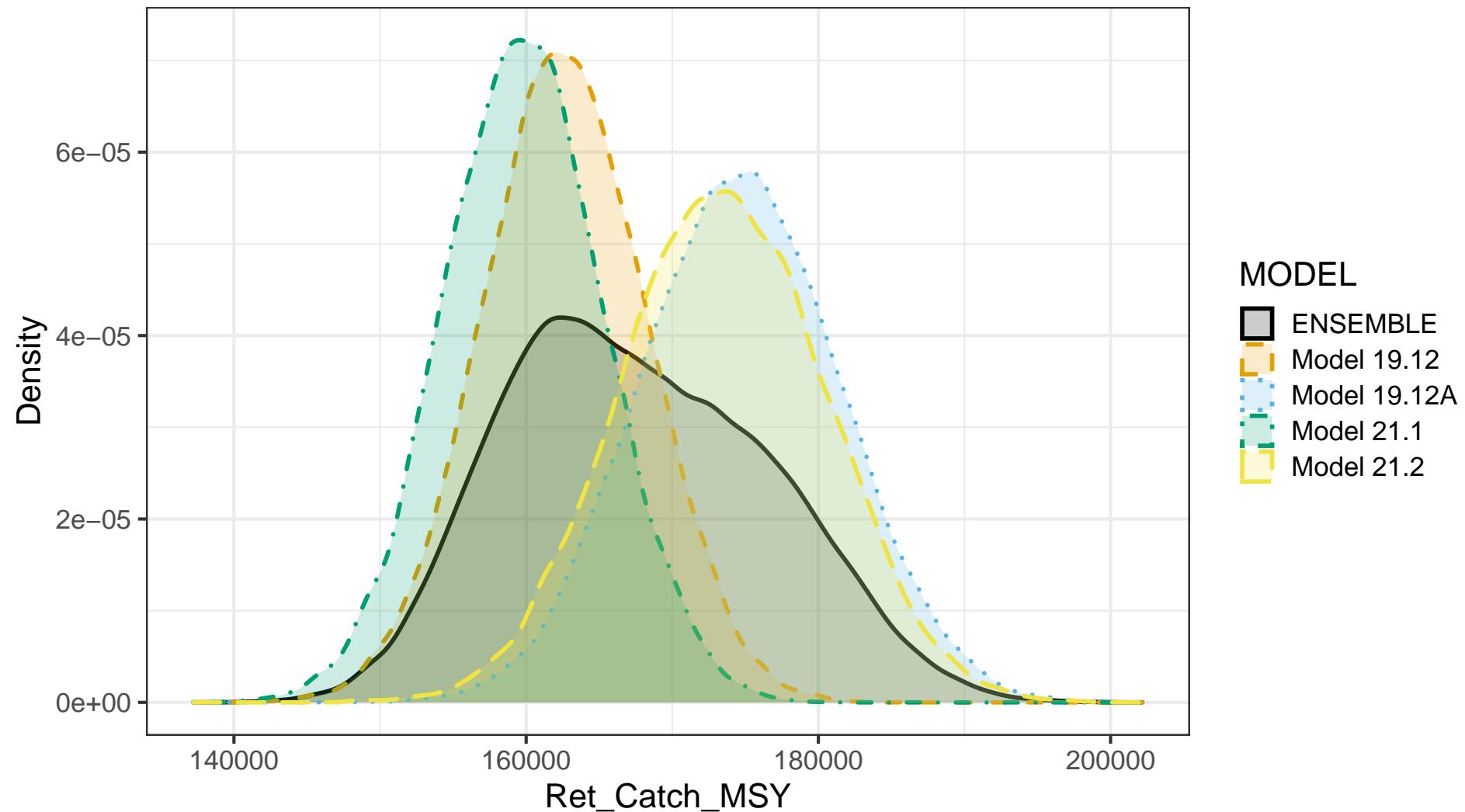
# annF\_MSY



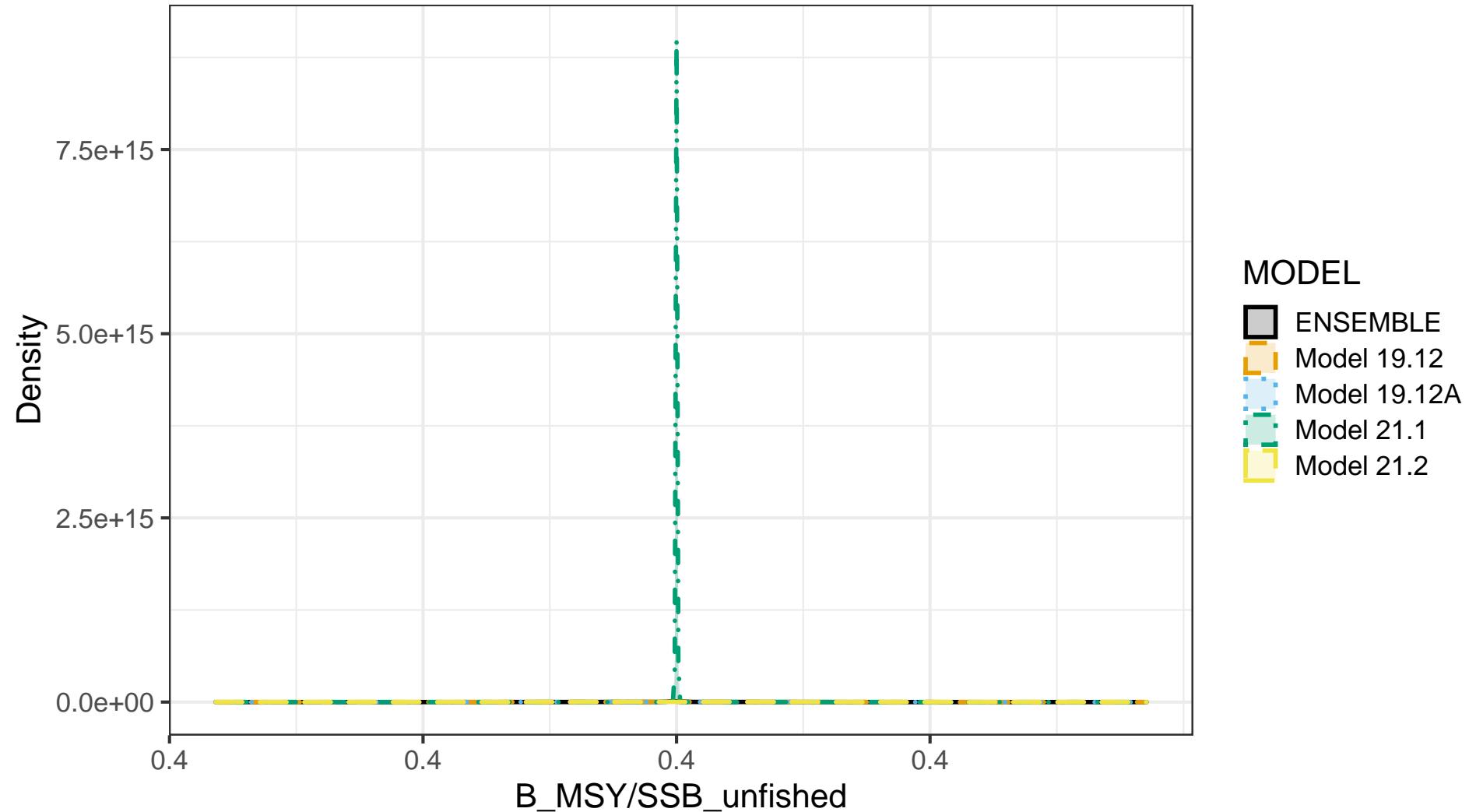
# Dead\_Catch\_MSY



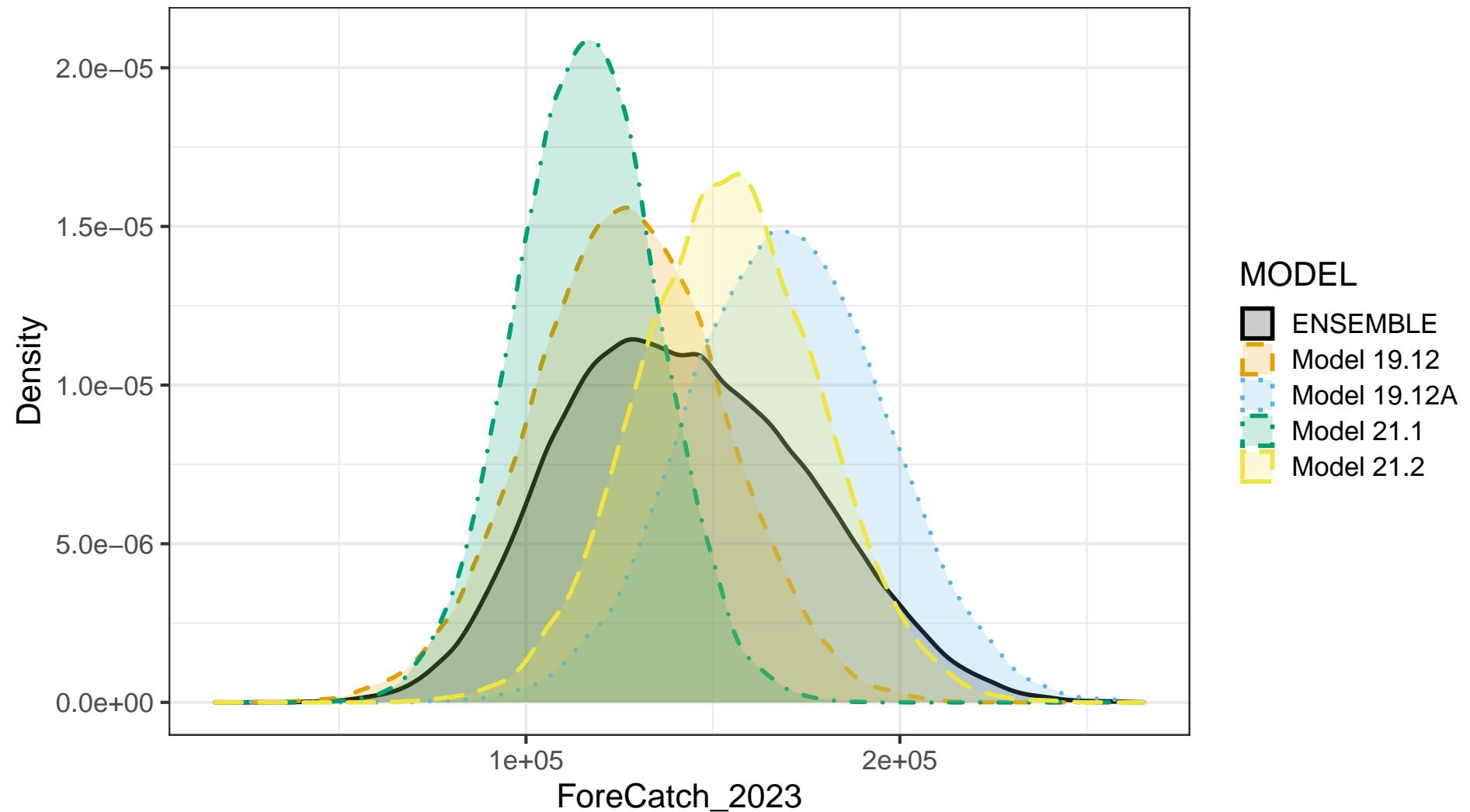
# Ret\_Catch\_MSY



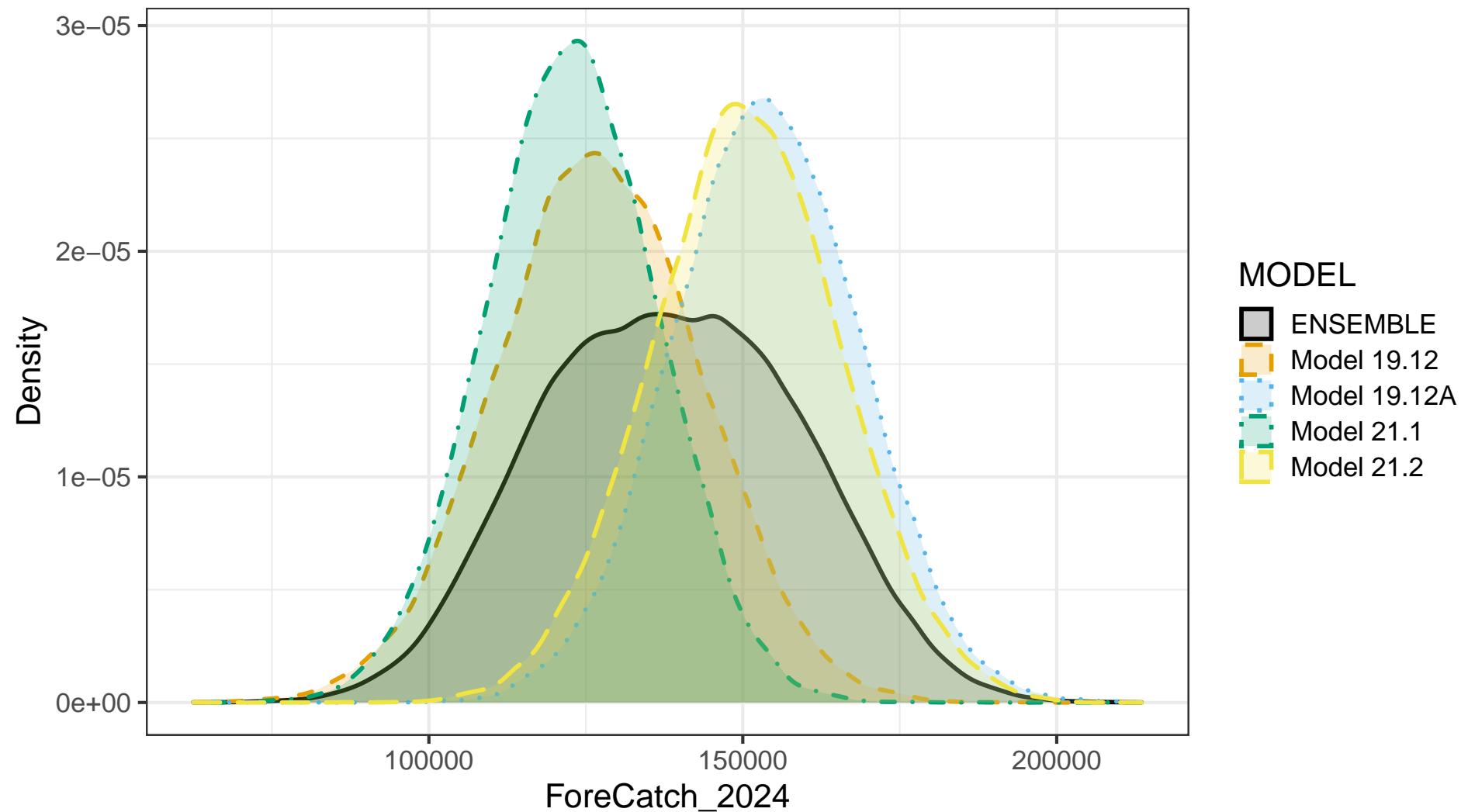
# B\_MSY/SSB\_unfished



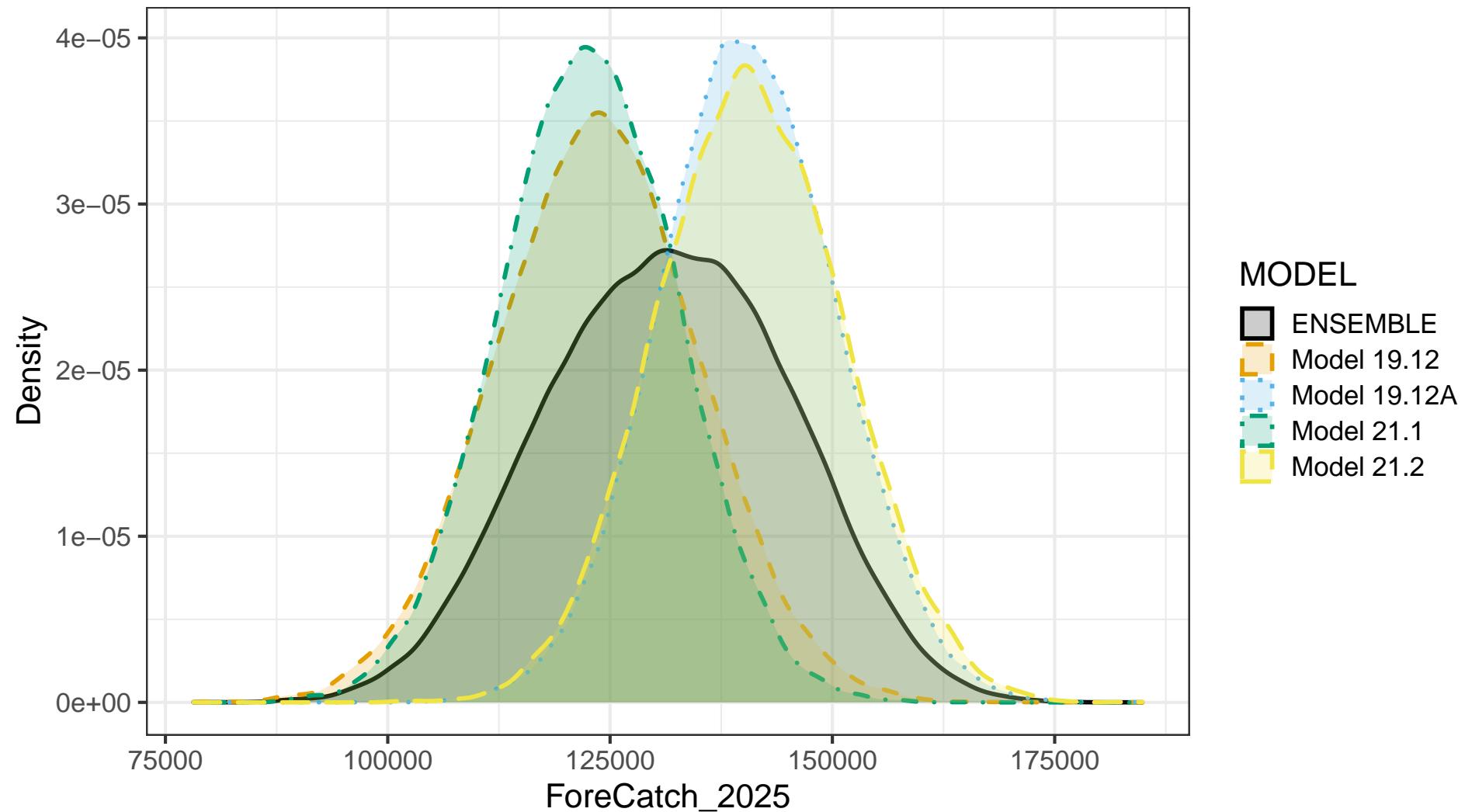
# ForeCatch\_2023



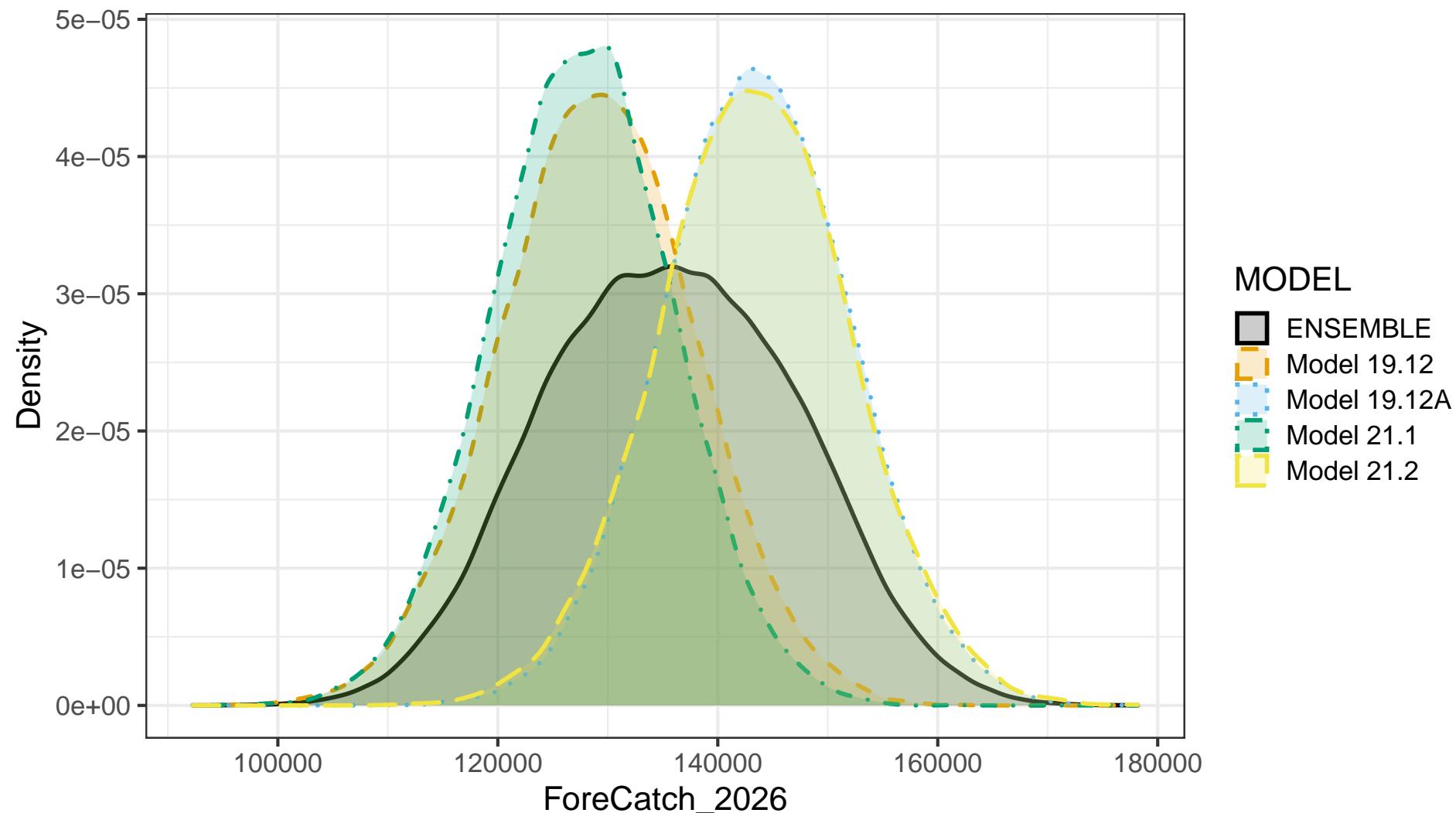
# ForeCatch\_2024



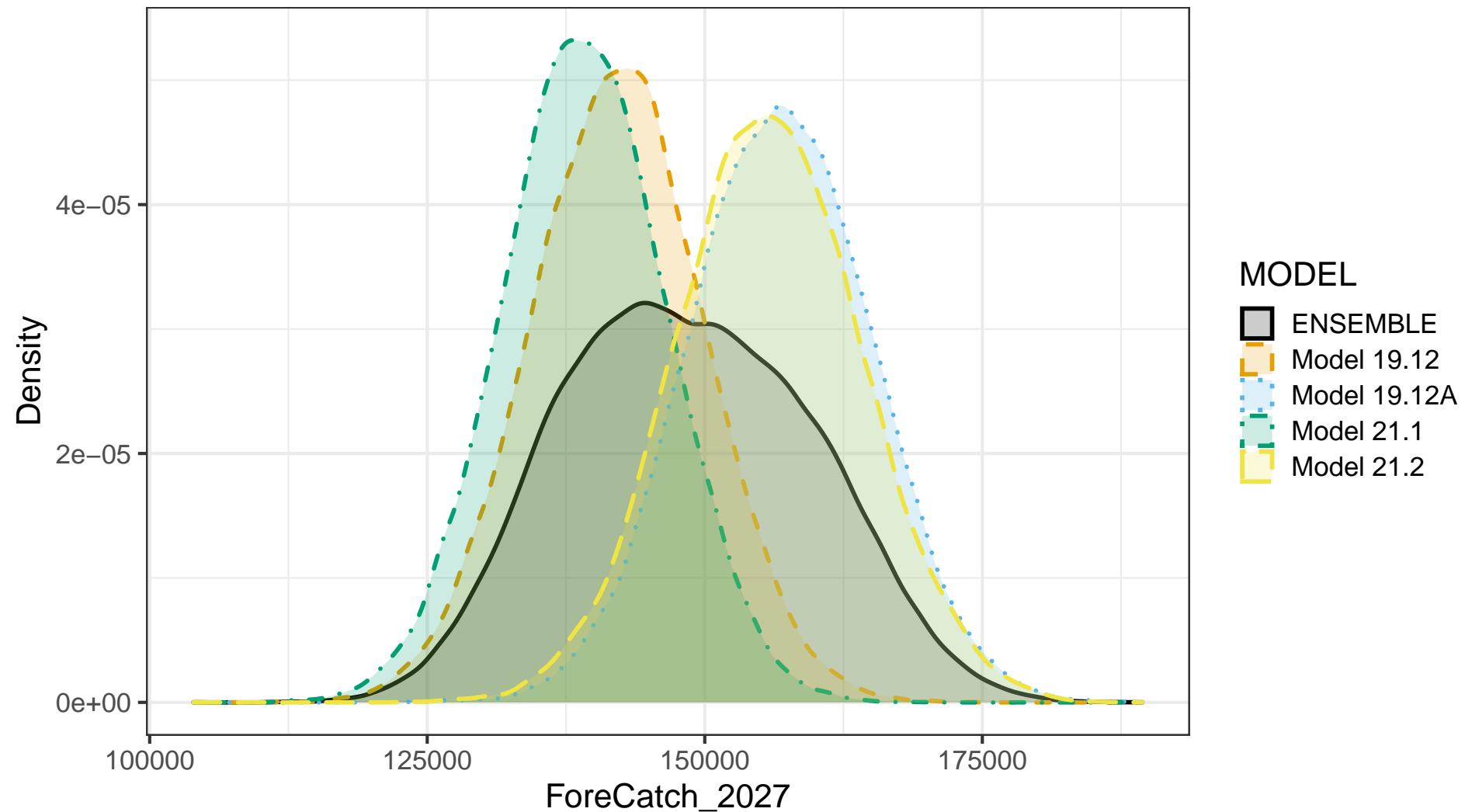
# ForeCatch\_2025



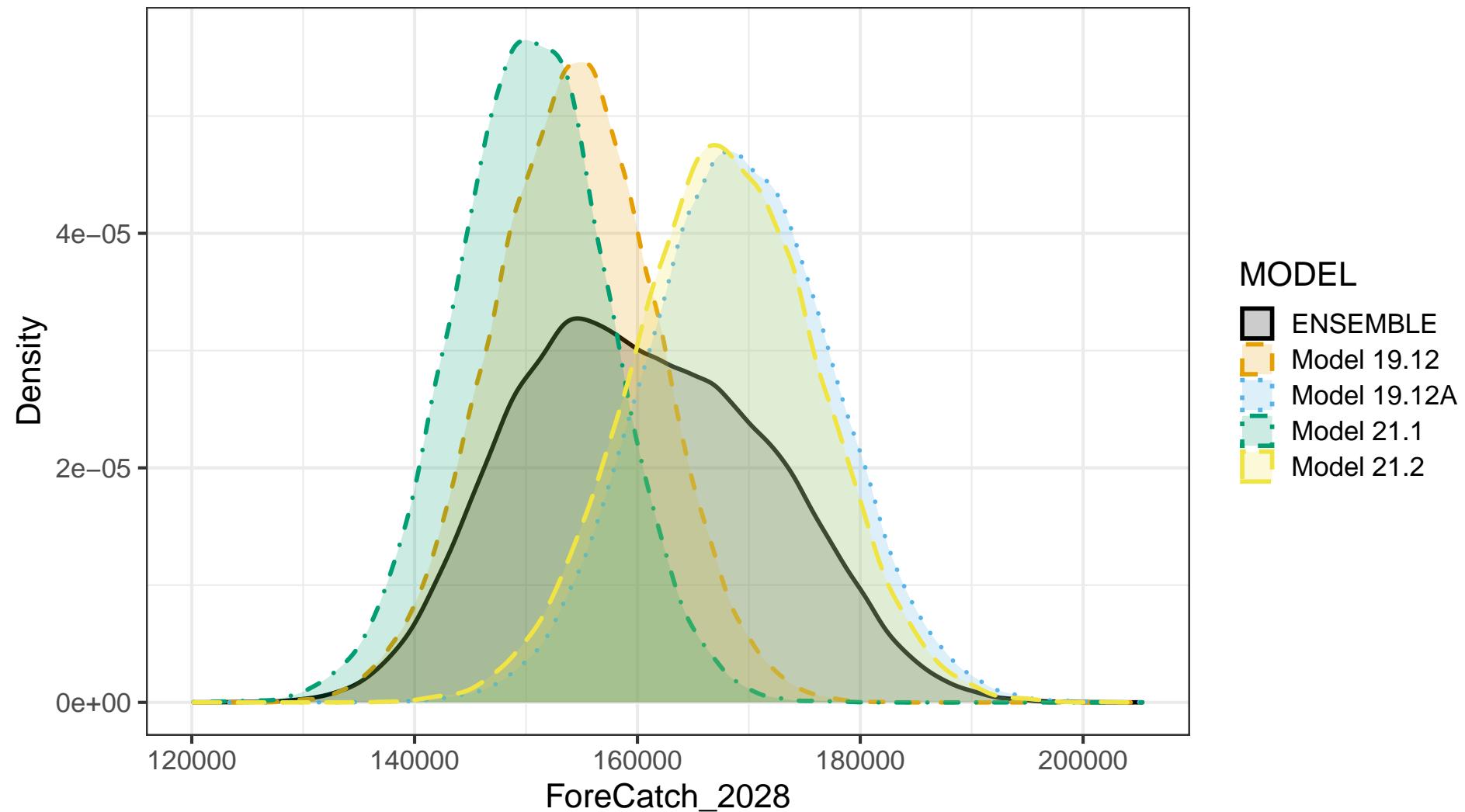
# ForeCatch\_2026



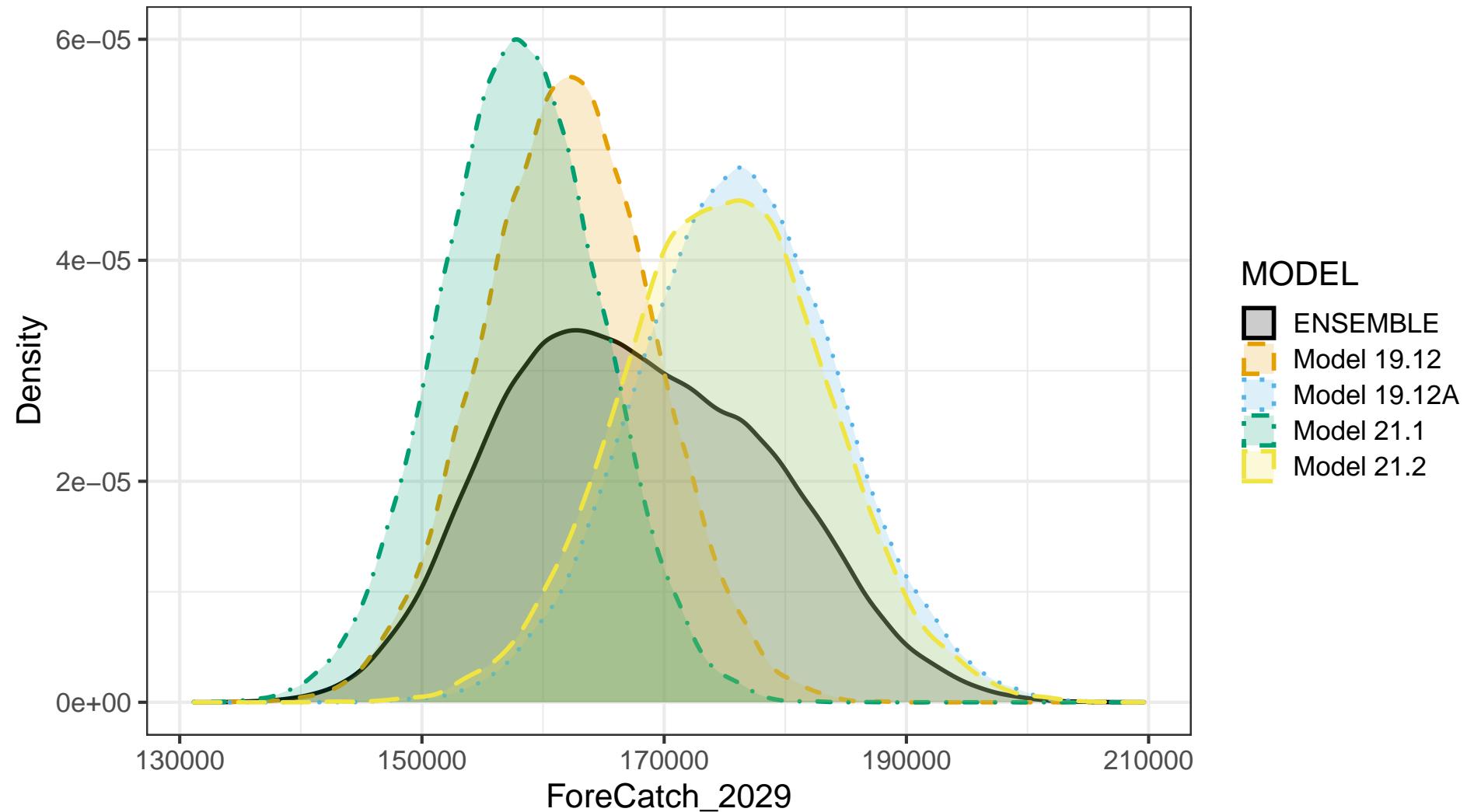
# ForeCatch\_2027



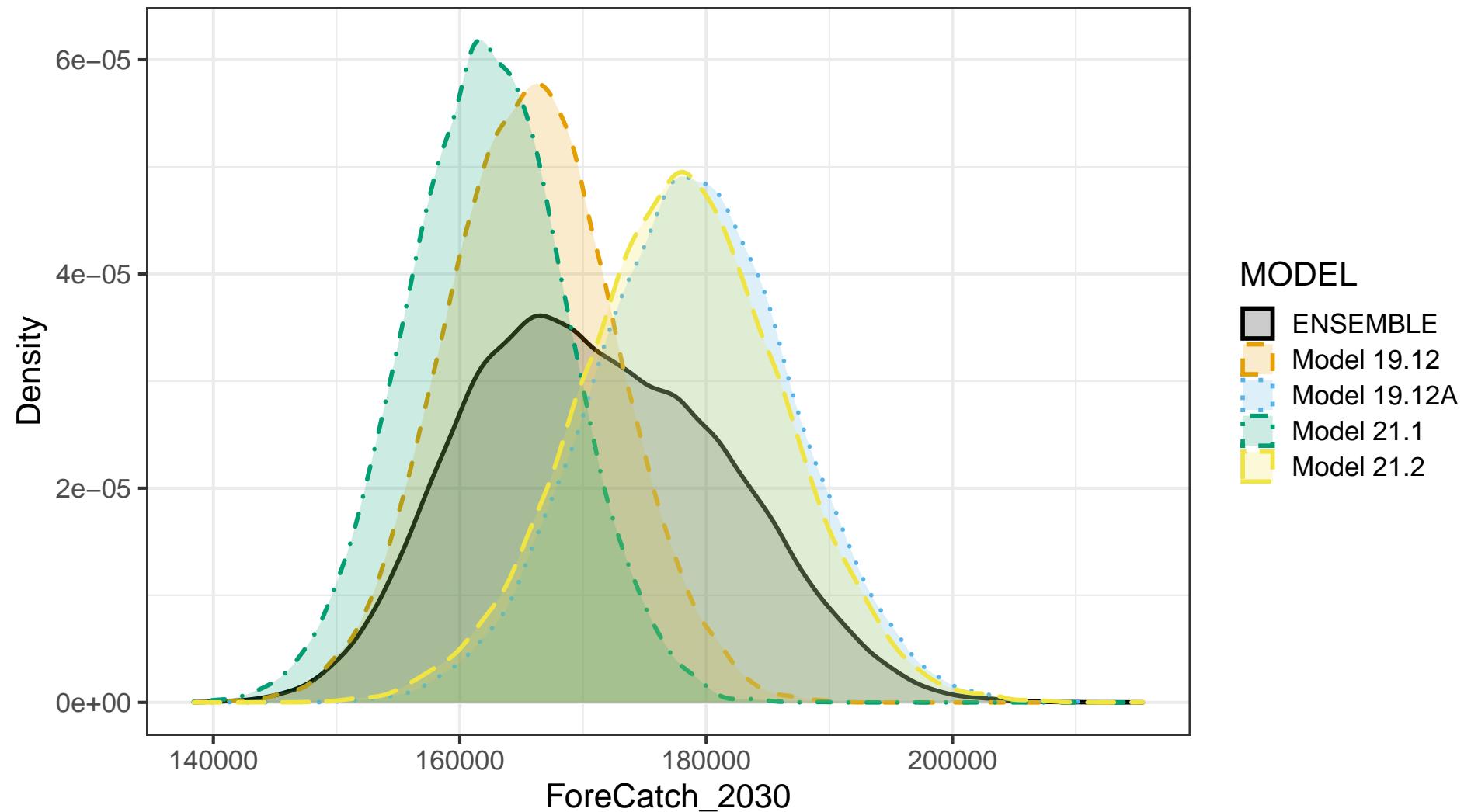
# ForeCatch\_2028



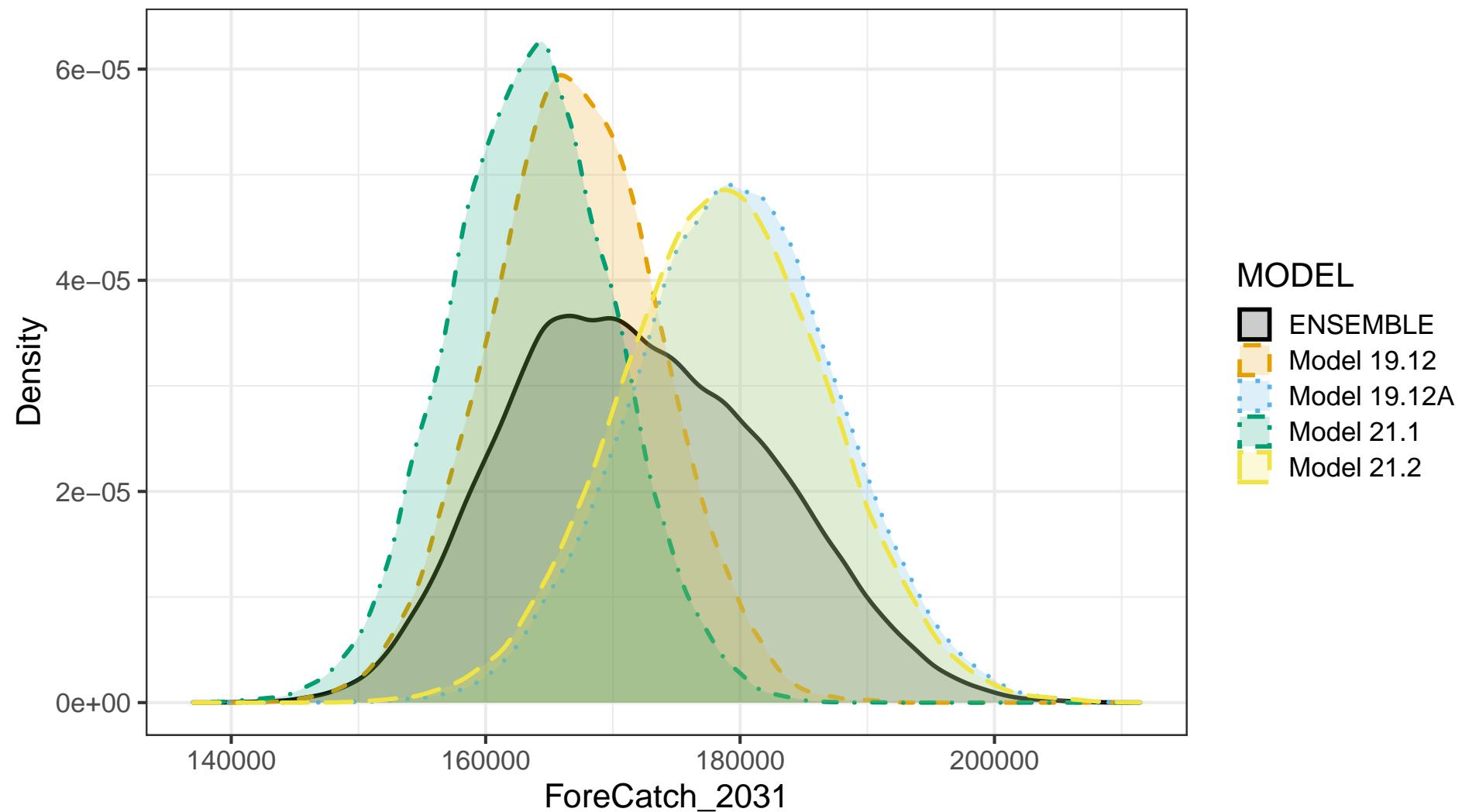
# ForeCatch\_2029



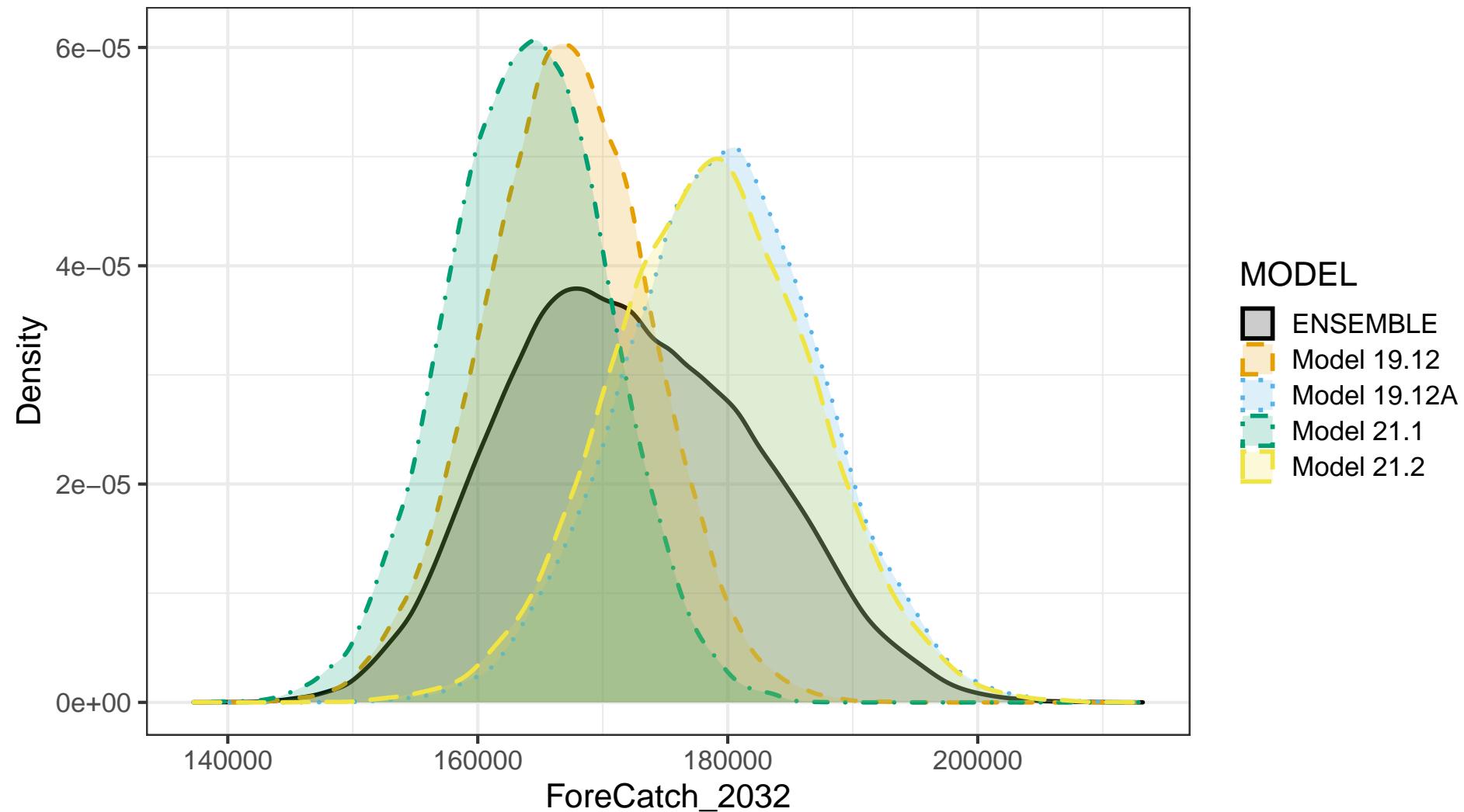
# ForeCatch\_2030



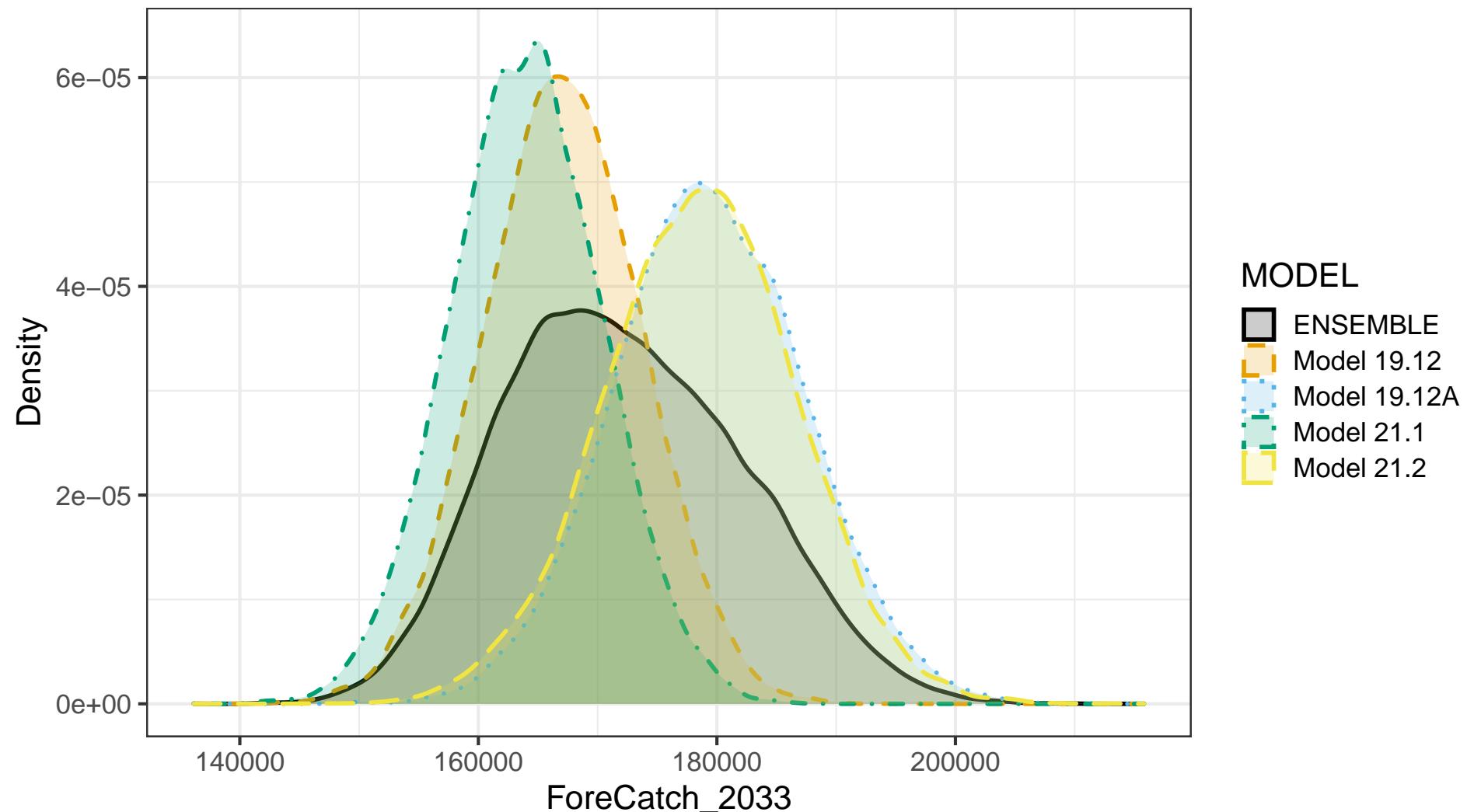
# ForeCatch\_2031



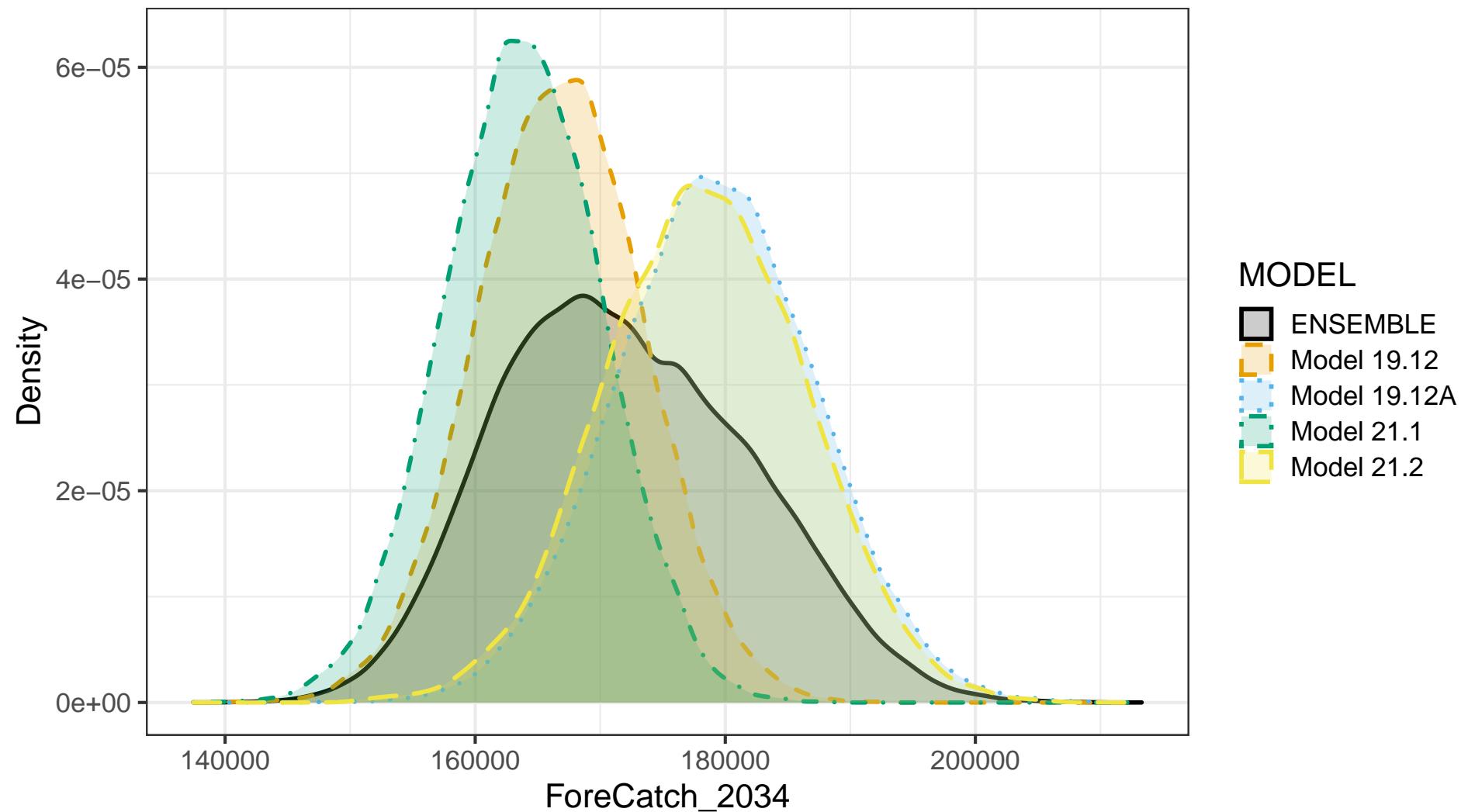
# ForeCatch\_2032



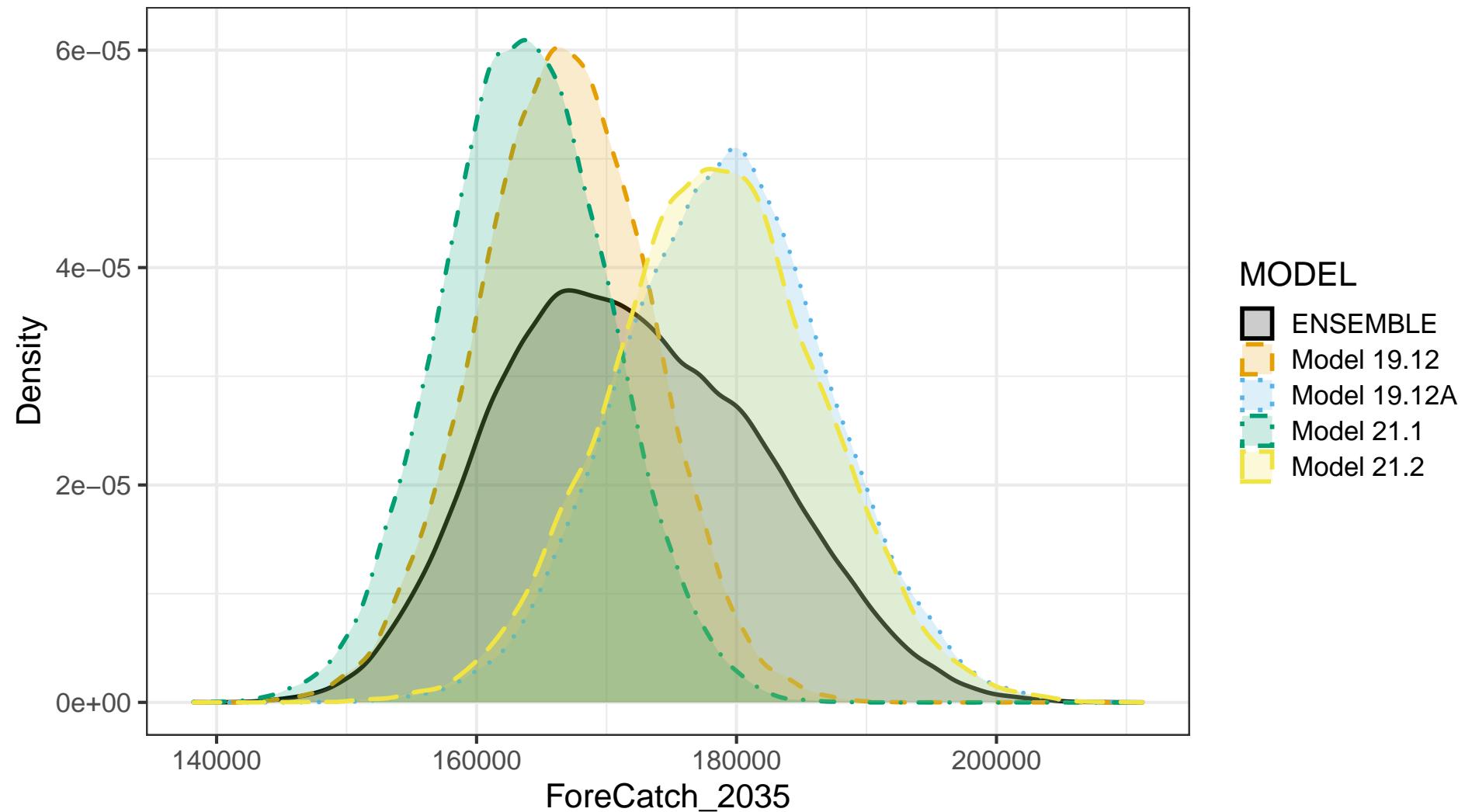
# ForeCatch\_2033



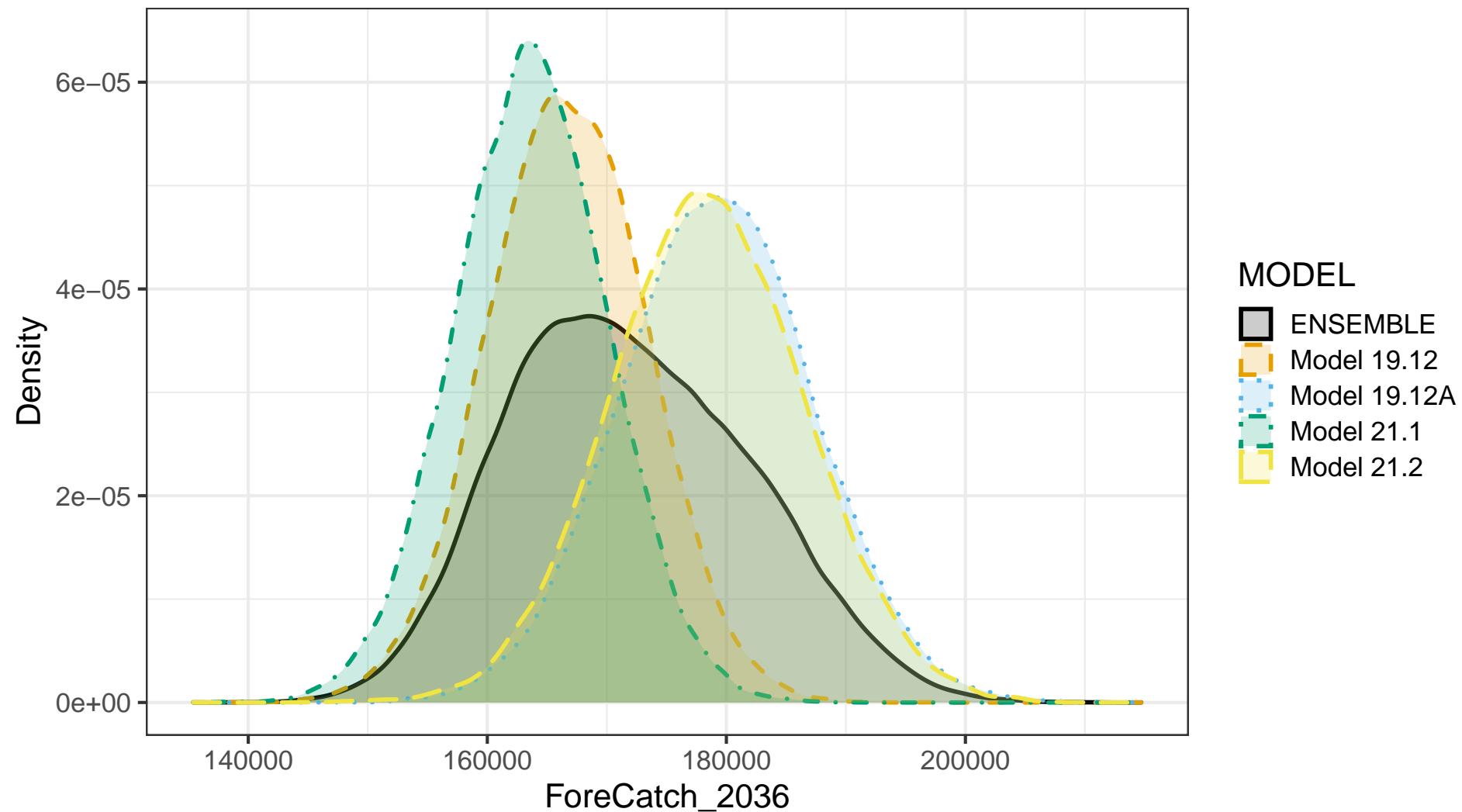
# ForeCatch\_2034



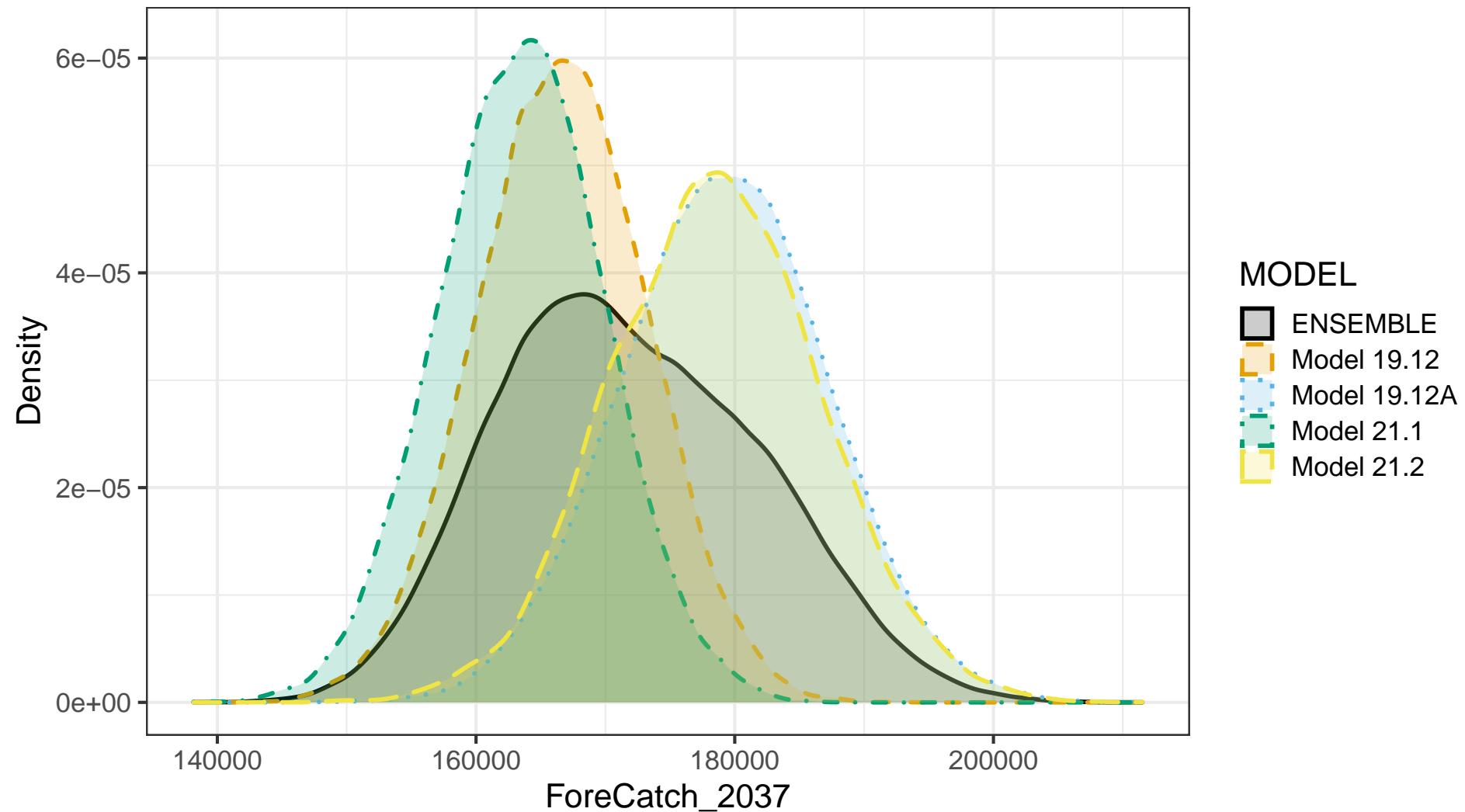
# ForeCatch\_2035



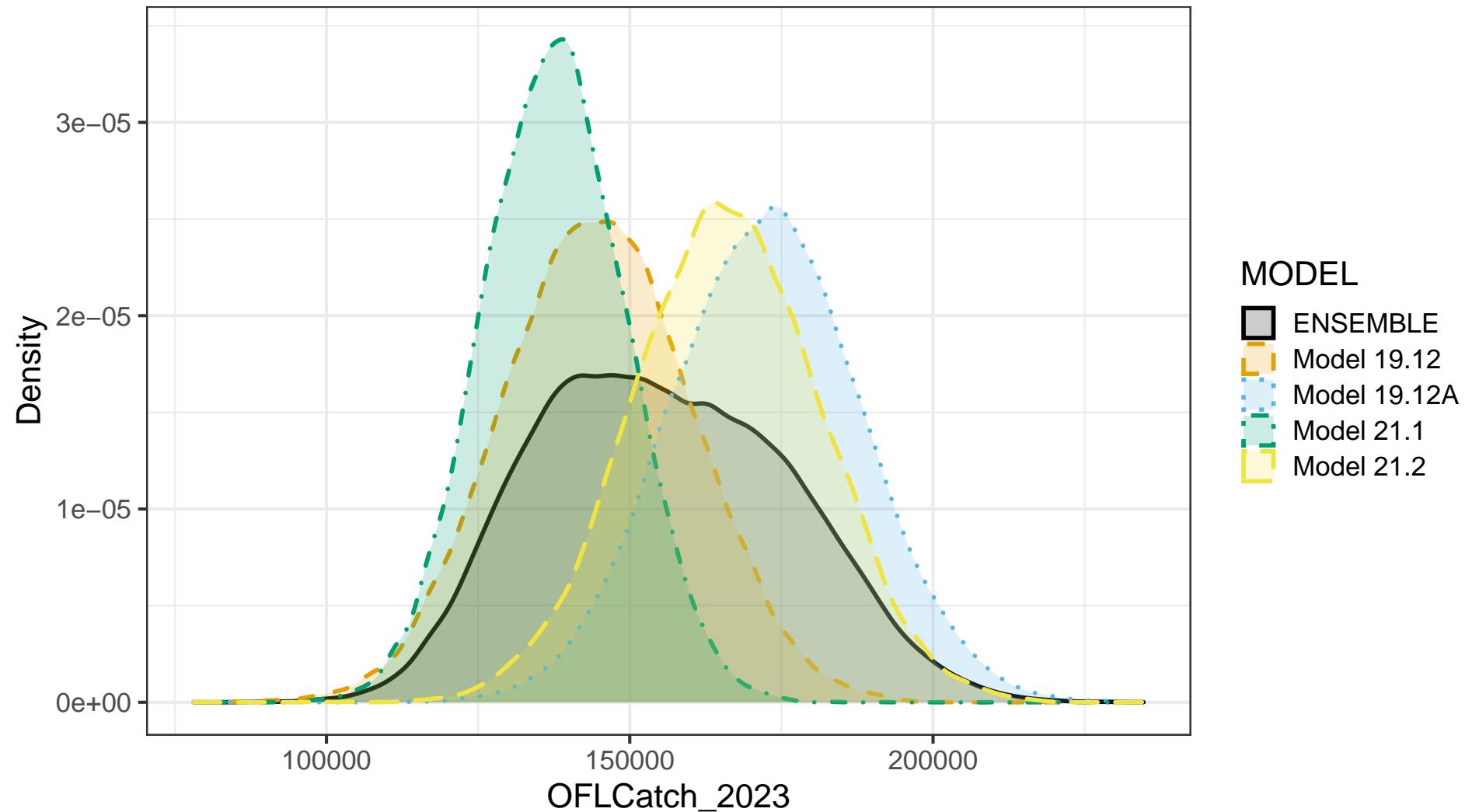
# ForeCatch\_2036



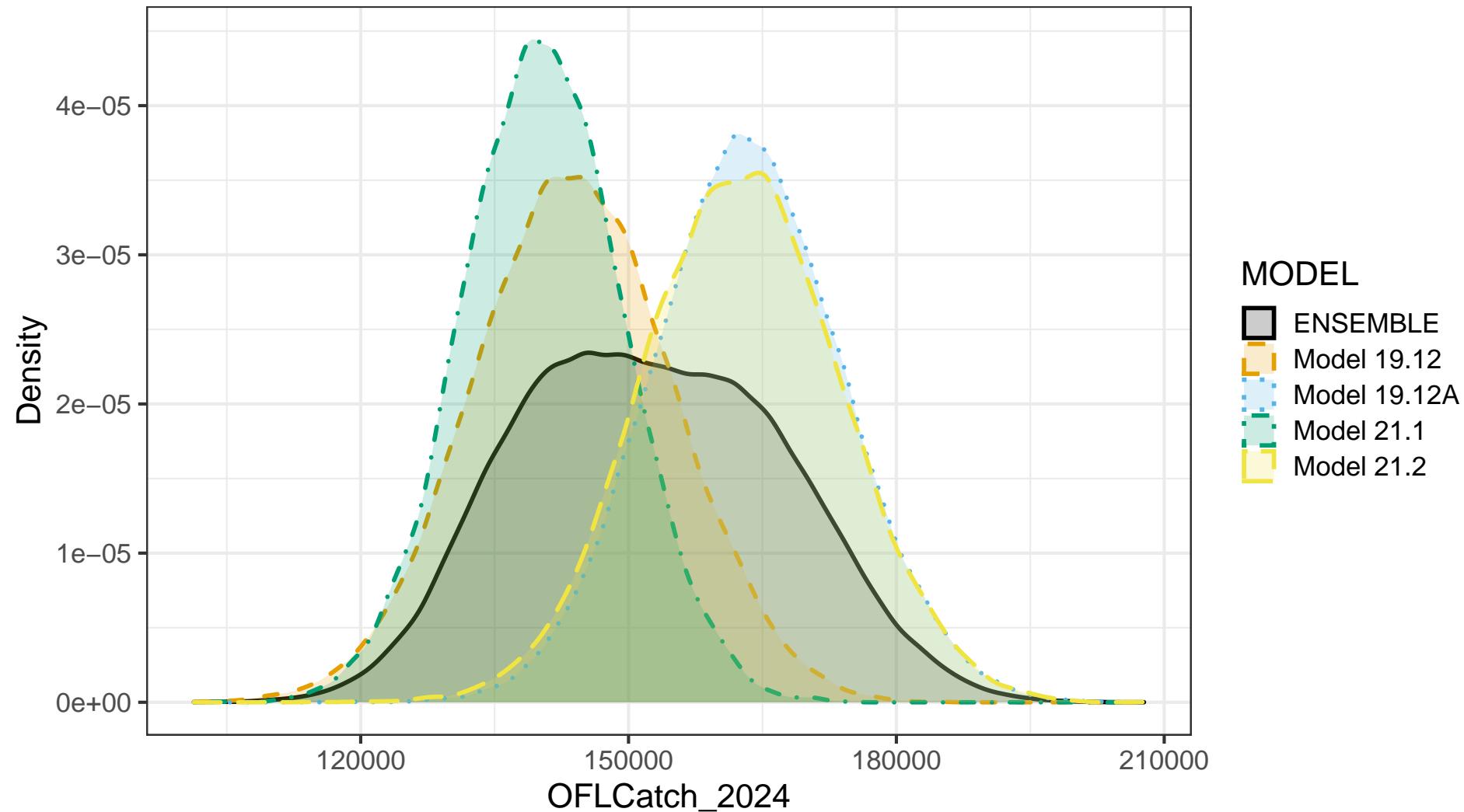
# ForeCatch\_2037



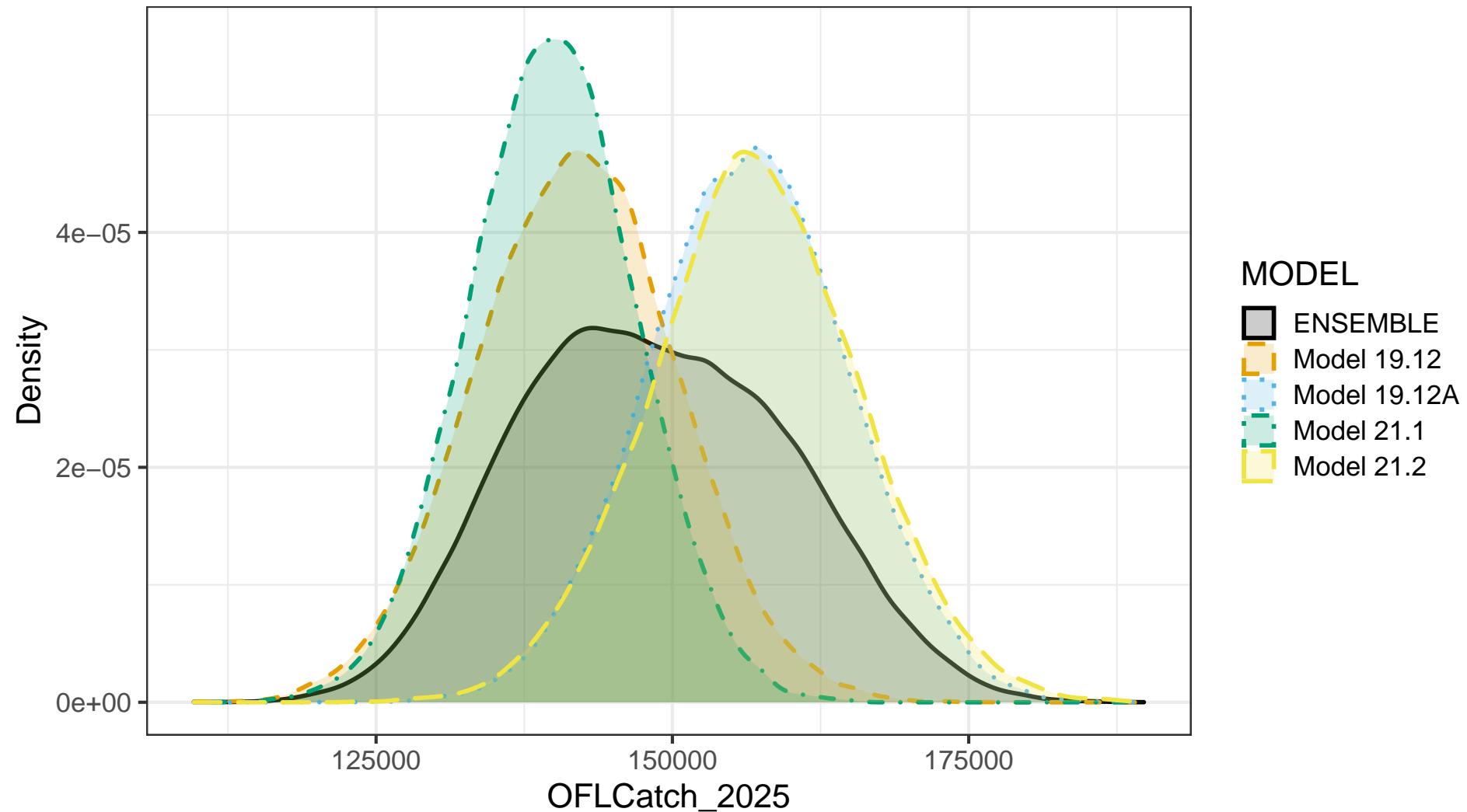
# OFLCatch\_2023



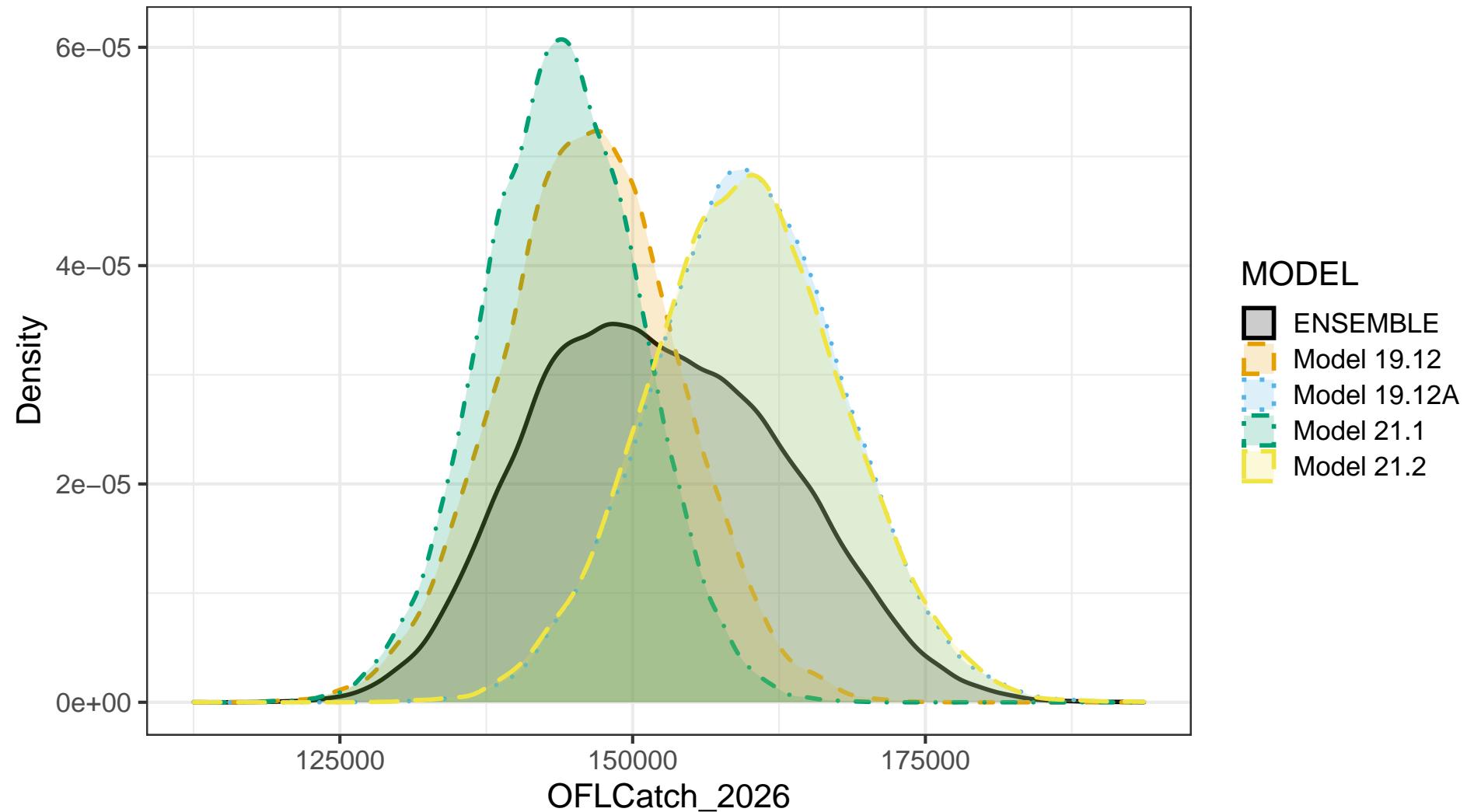
# OFLCatch\_2024



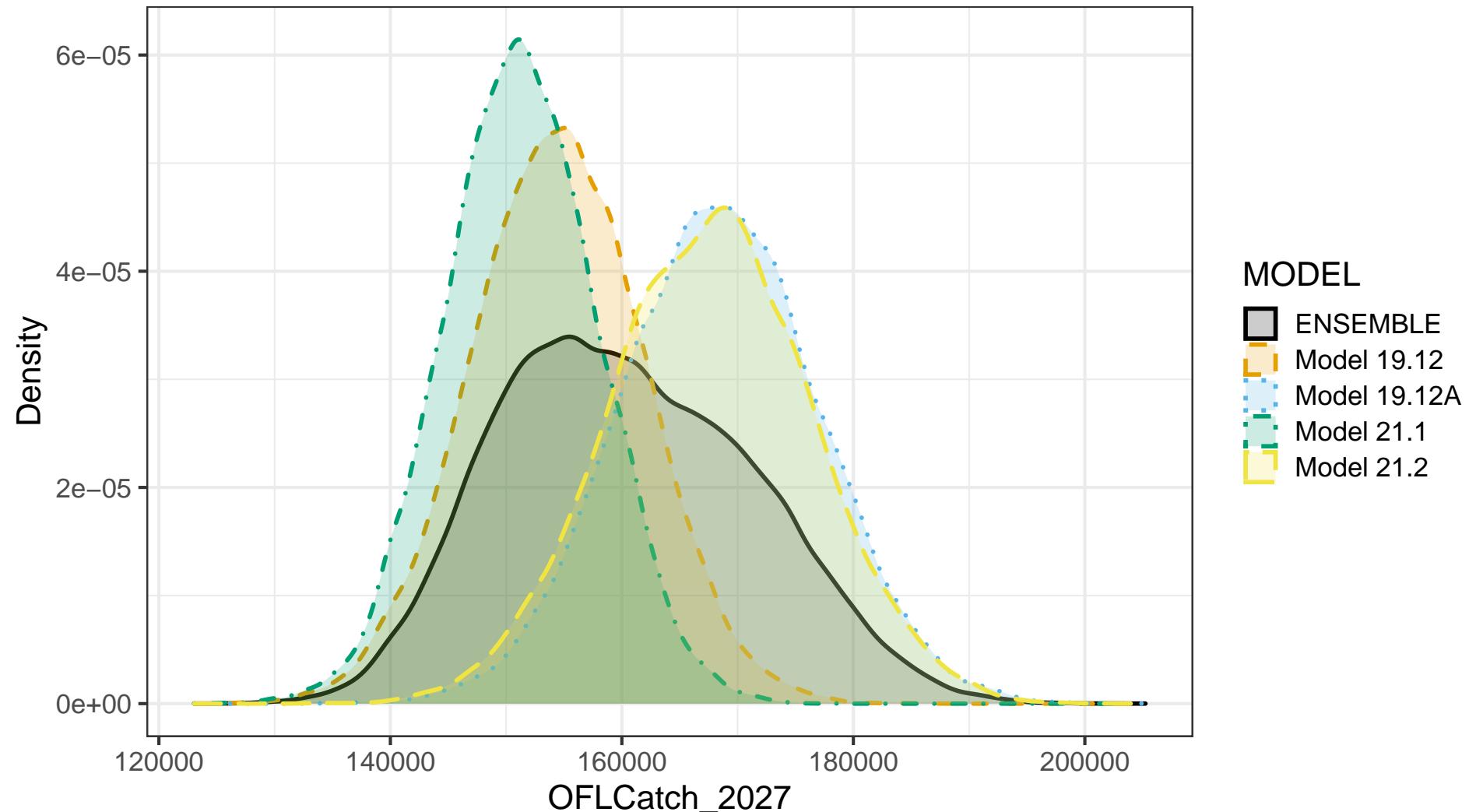
# OFLCatch\_2025



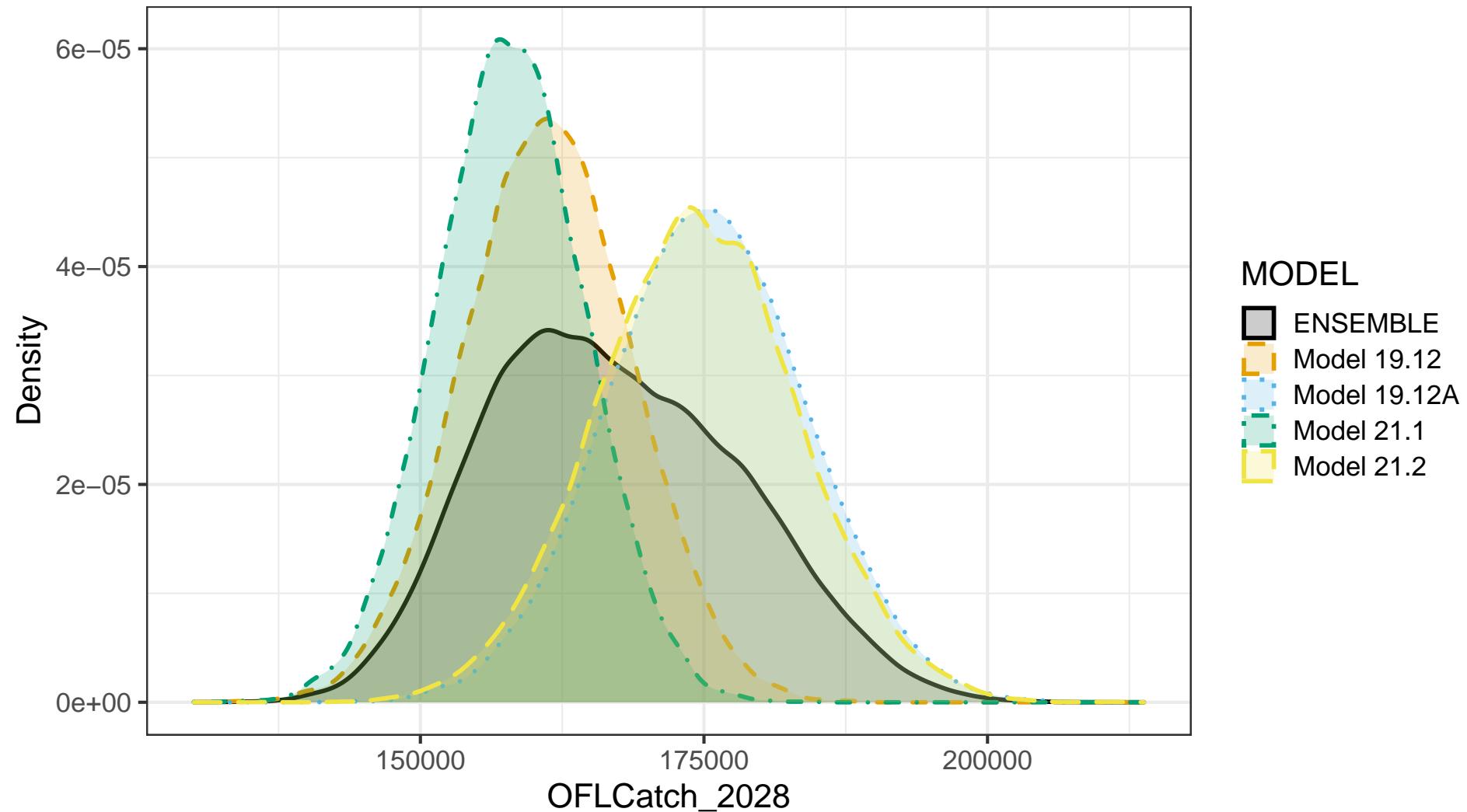
# OFLCatch\_2026



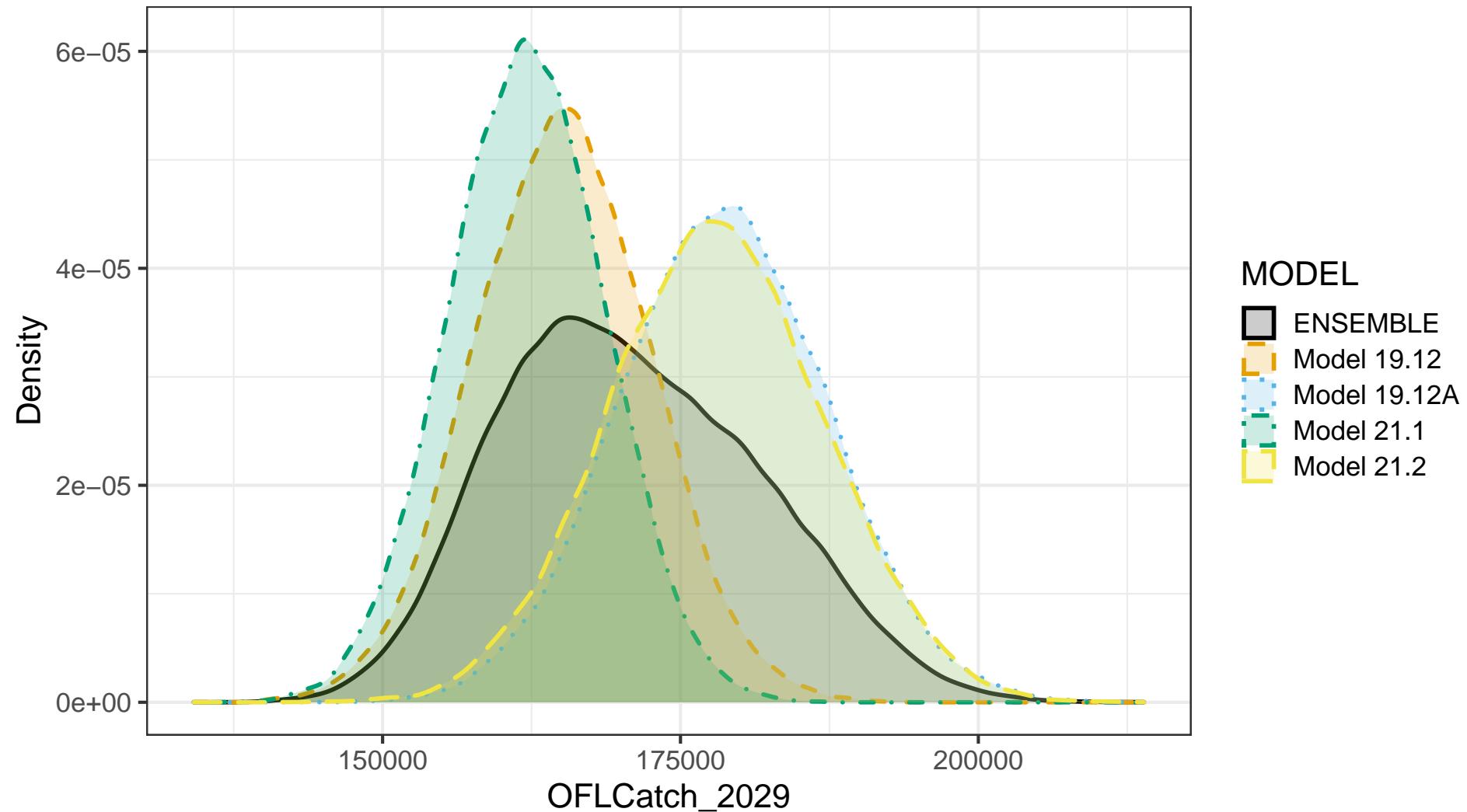
# OFLCatch\_2027



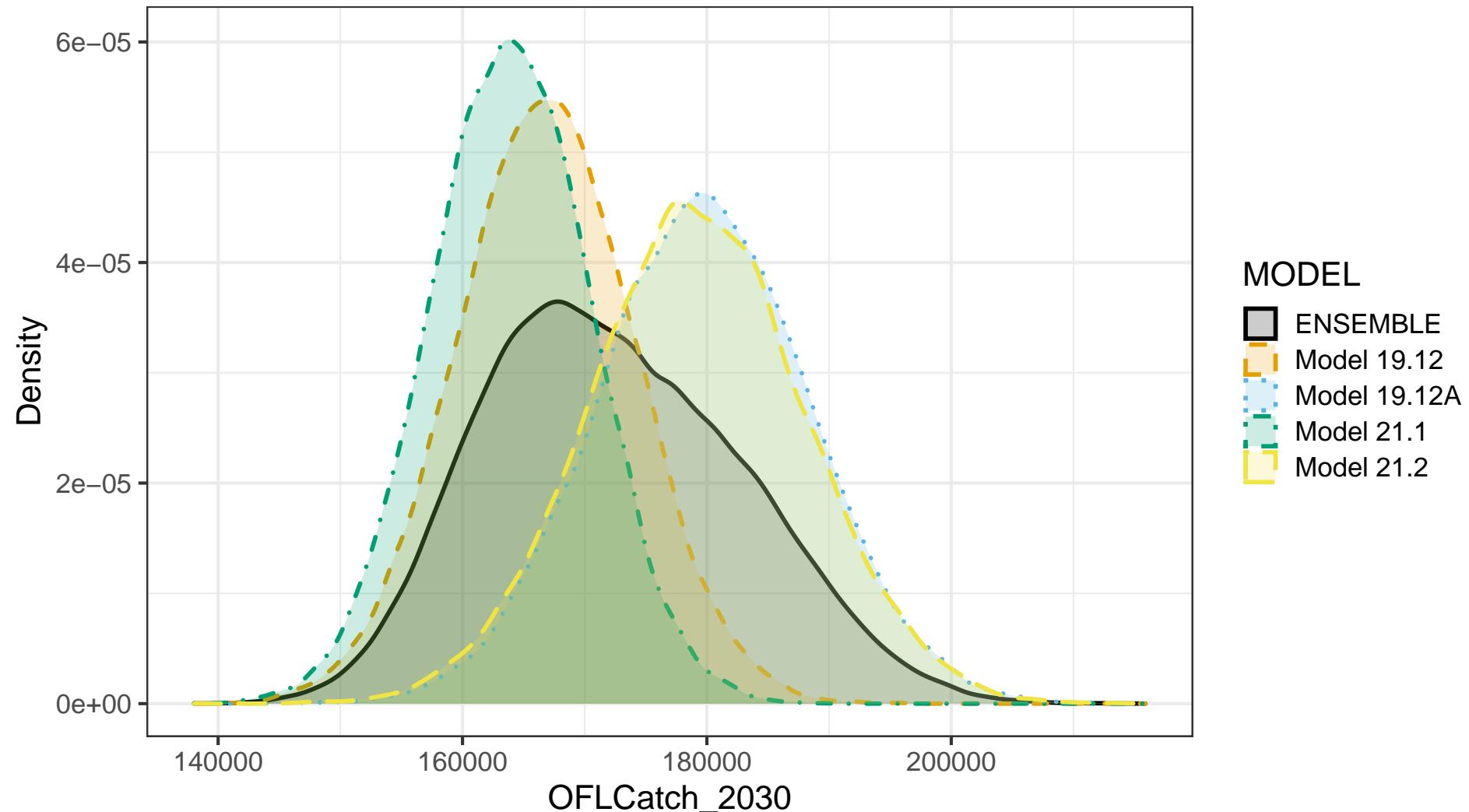
# OFLCatch\_2028



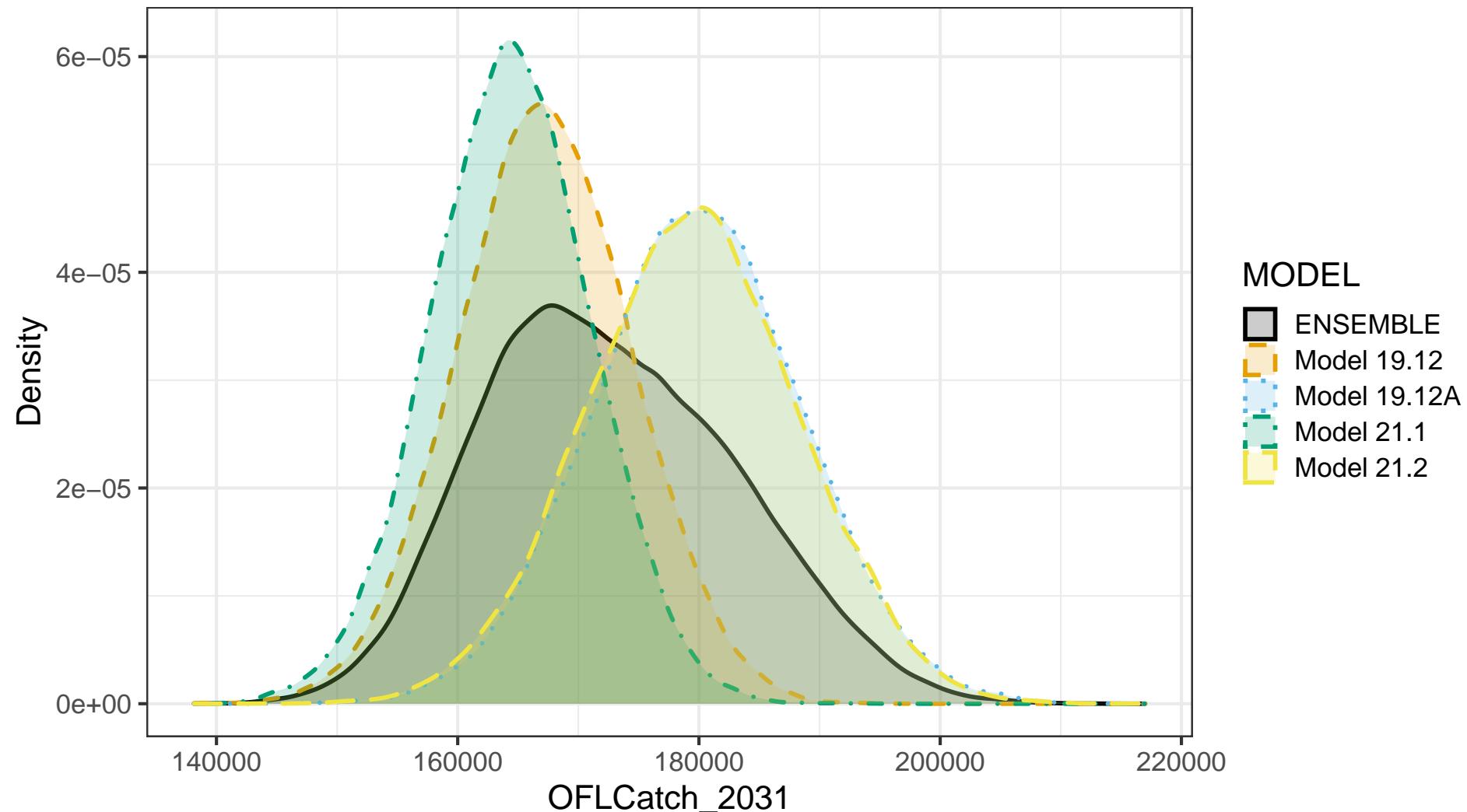
# OFLCatch\_2029



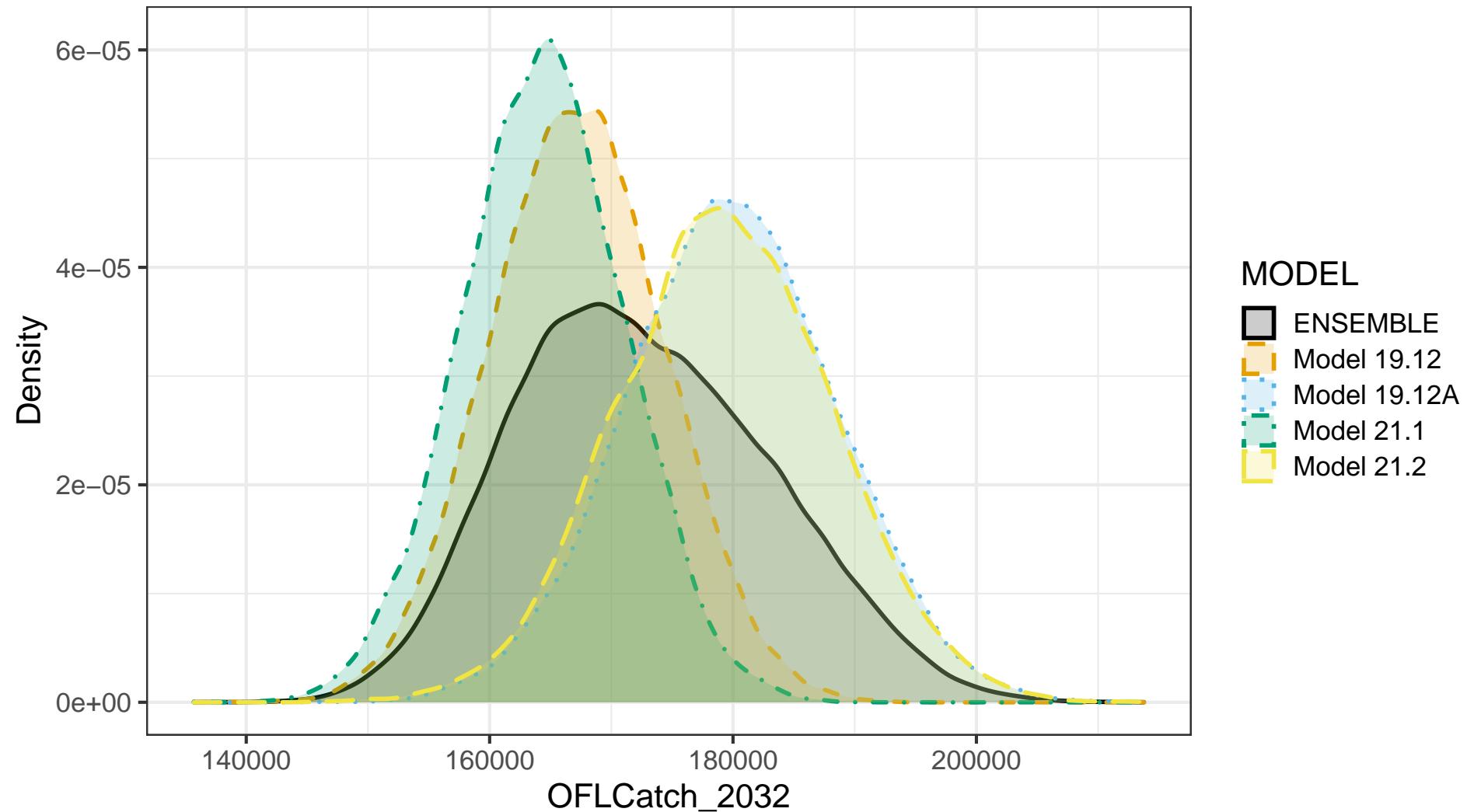
# OFLCatch\_2030



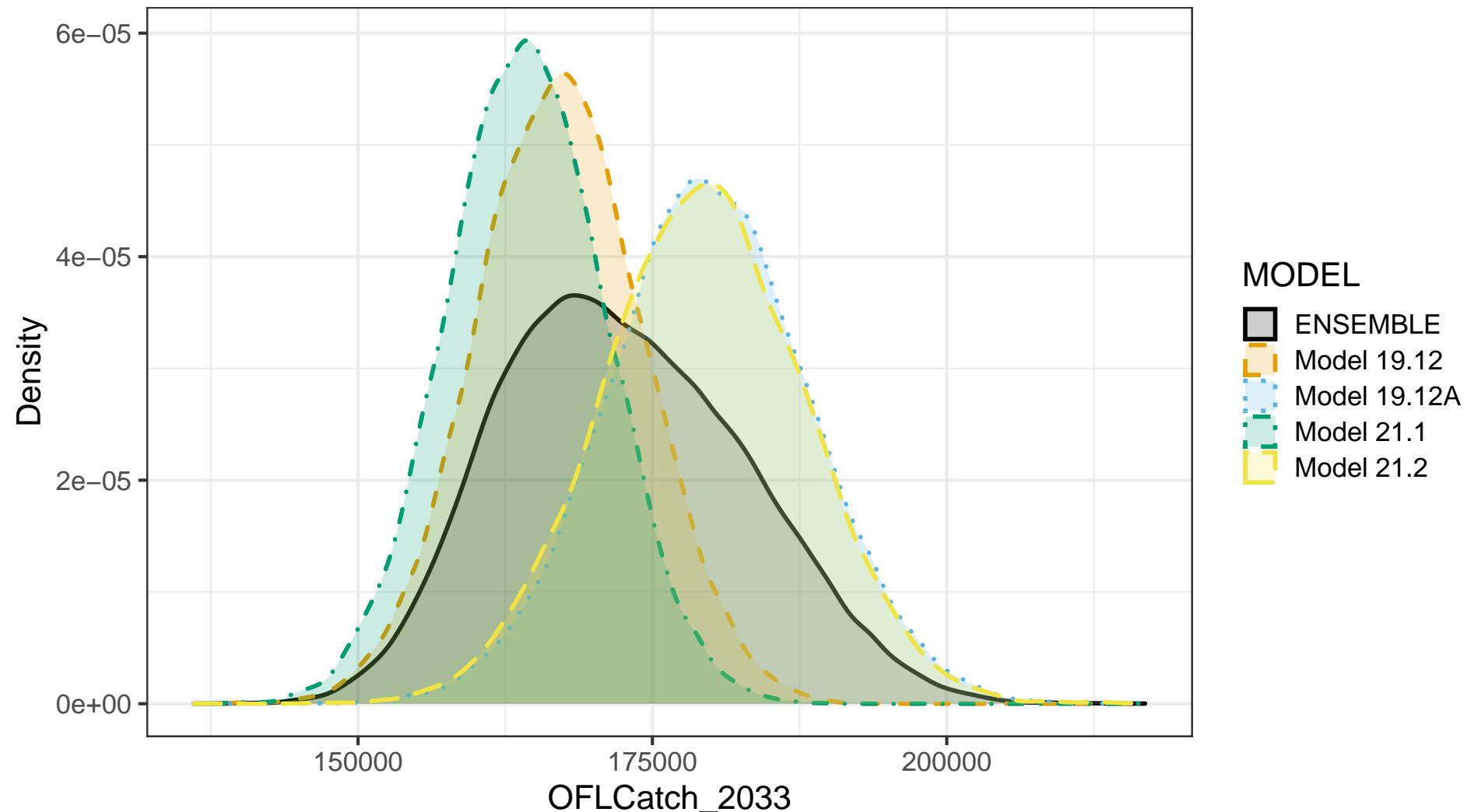
# OFLCatch\_2031



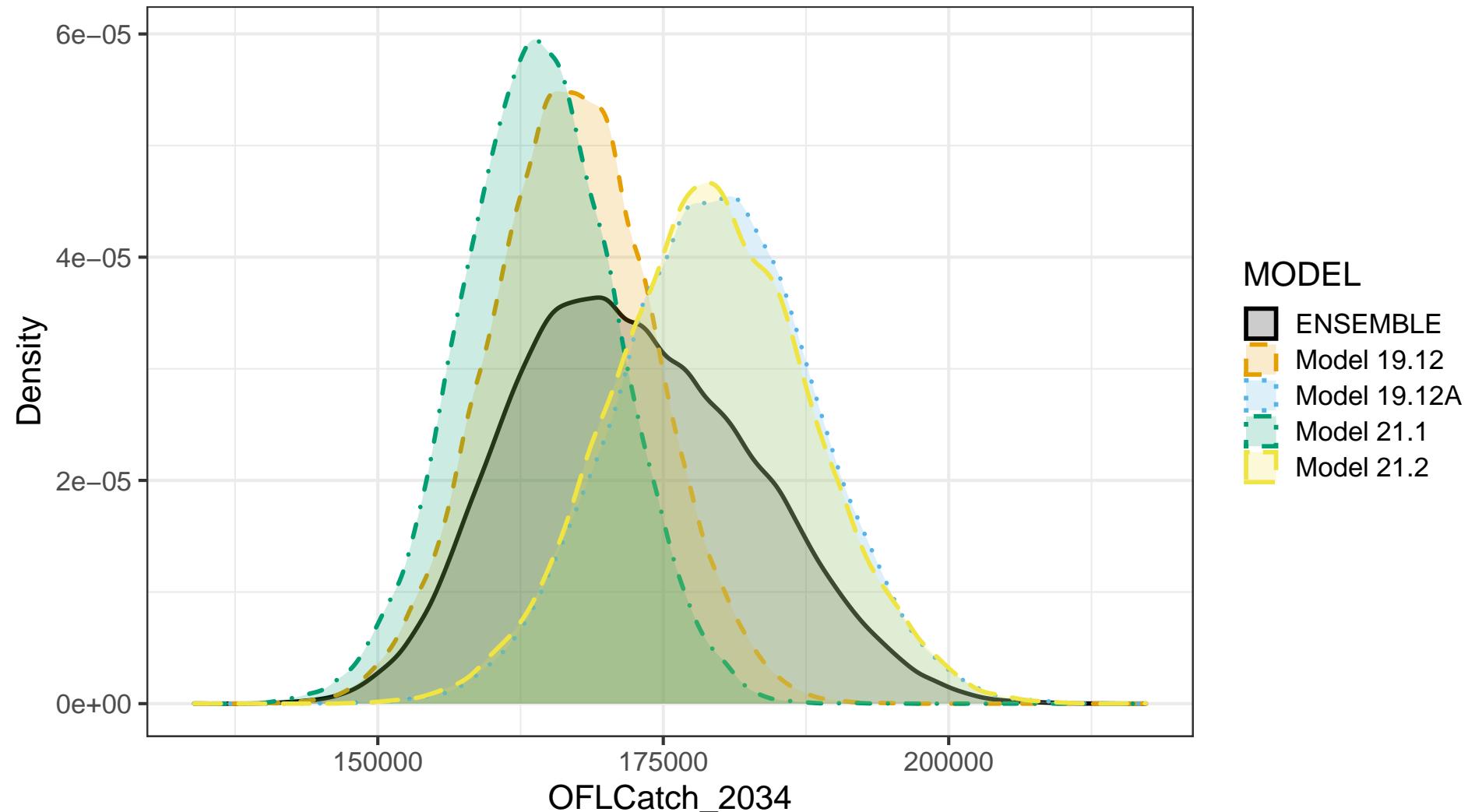
# OFLCatch\_2032



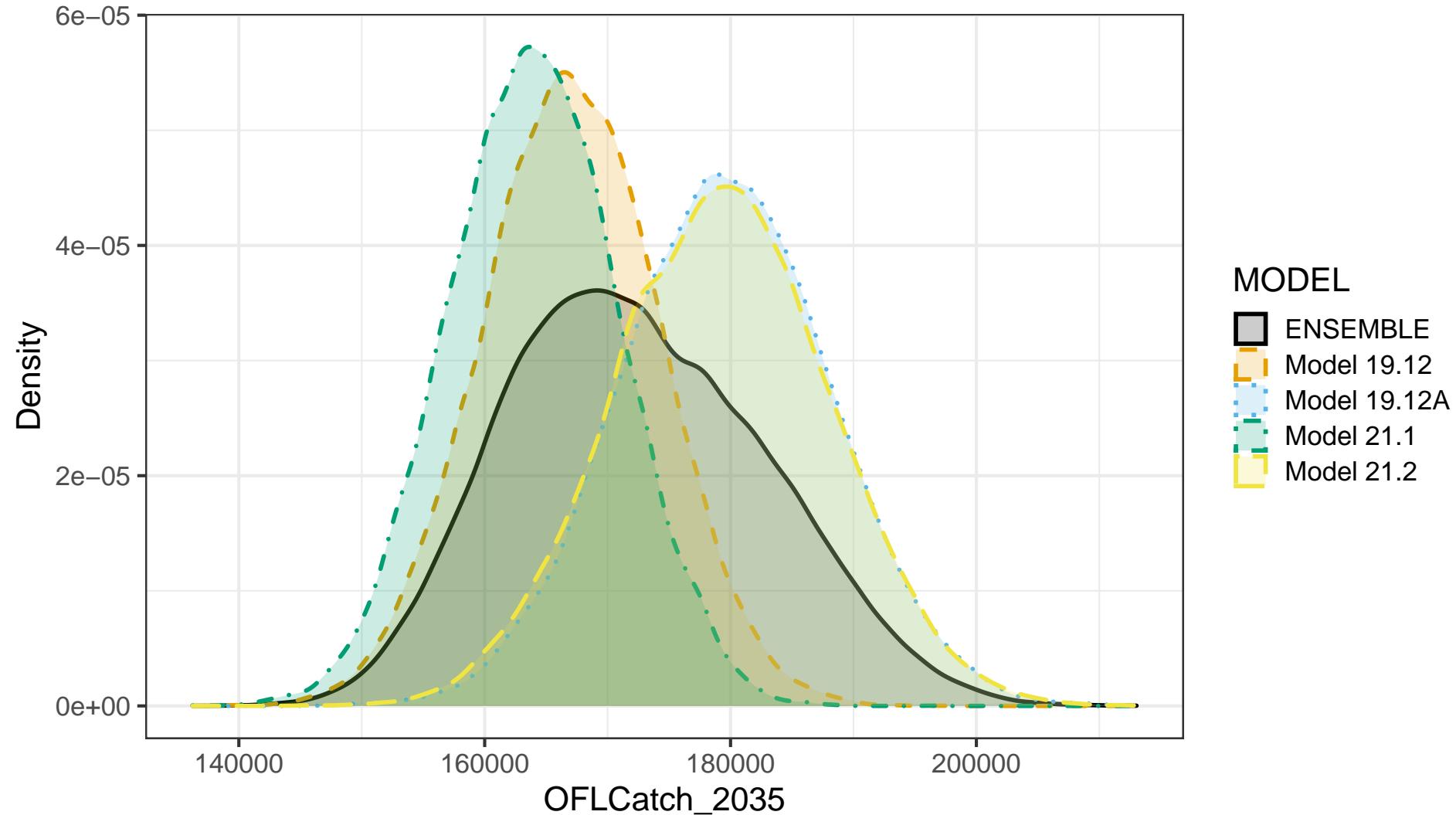
# OFLCatch\_2033



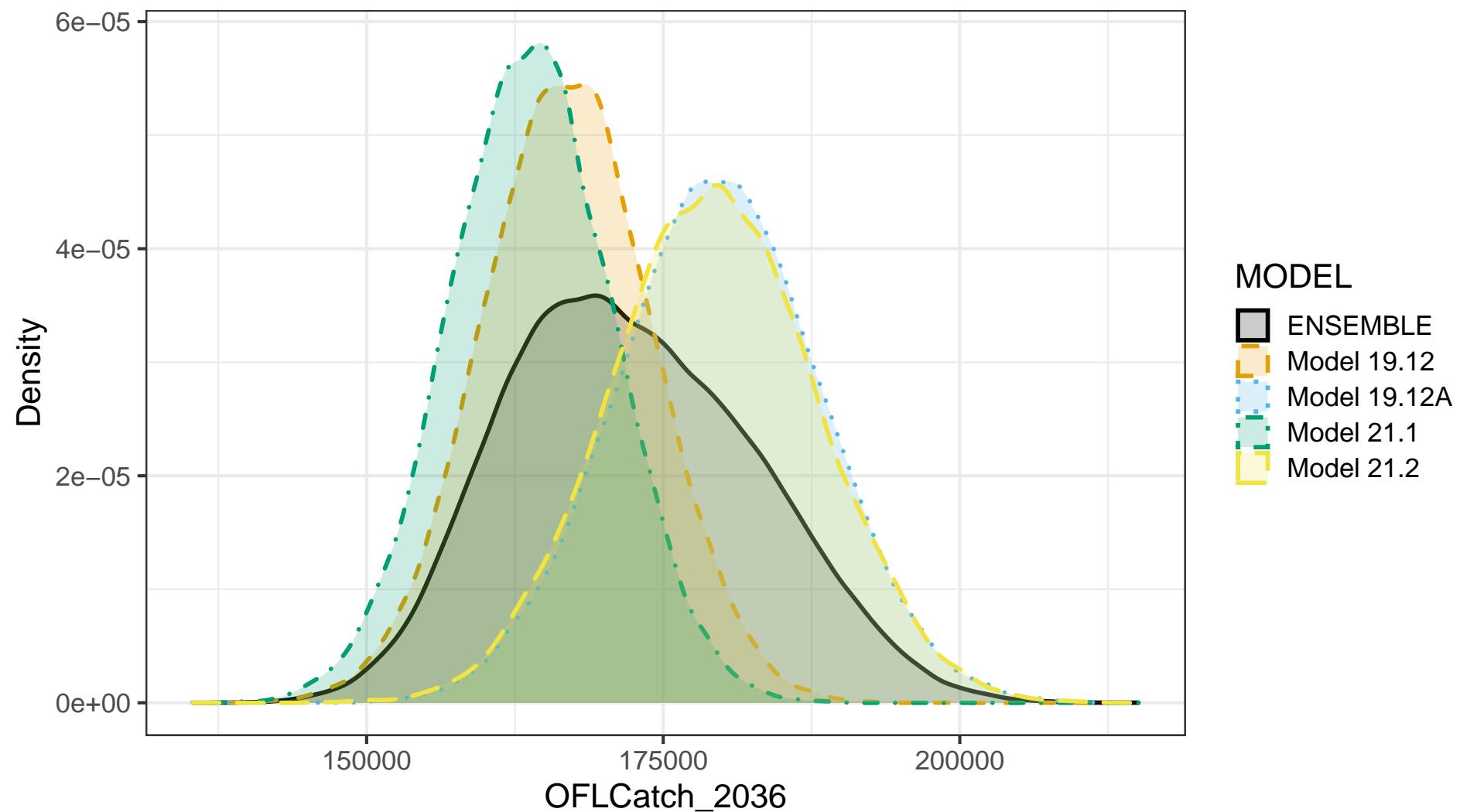
# OFLCatch\_2034



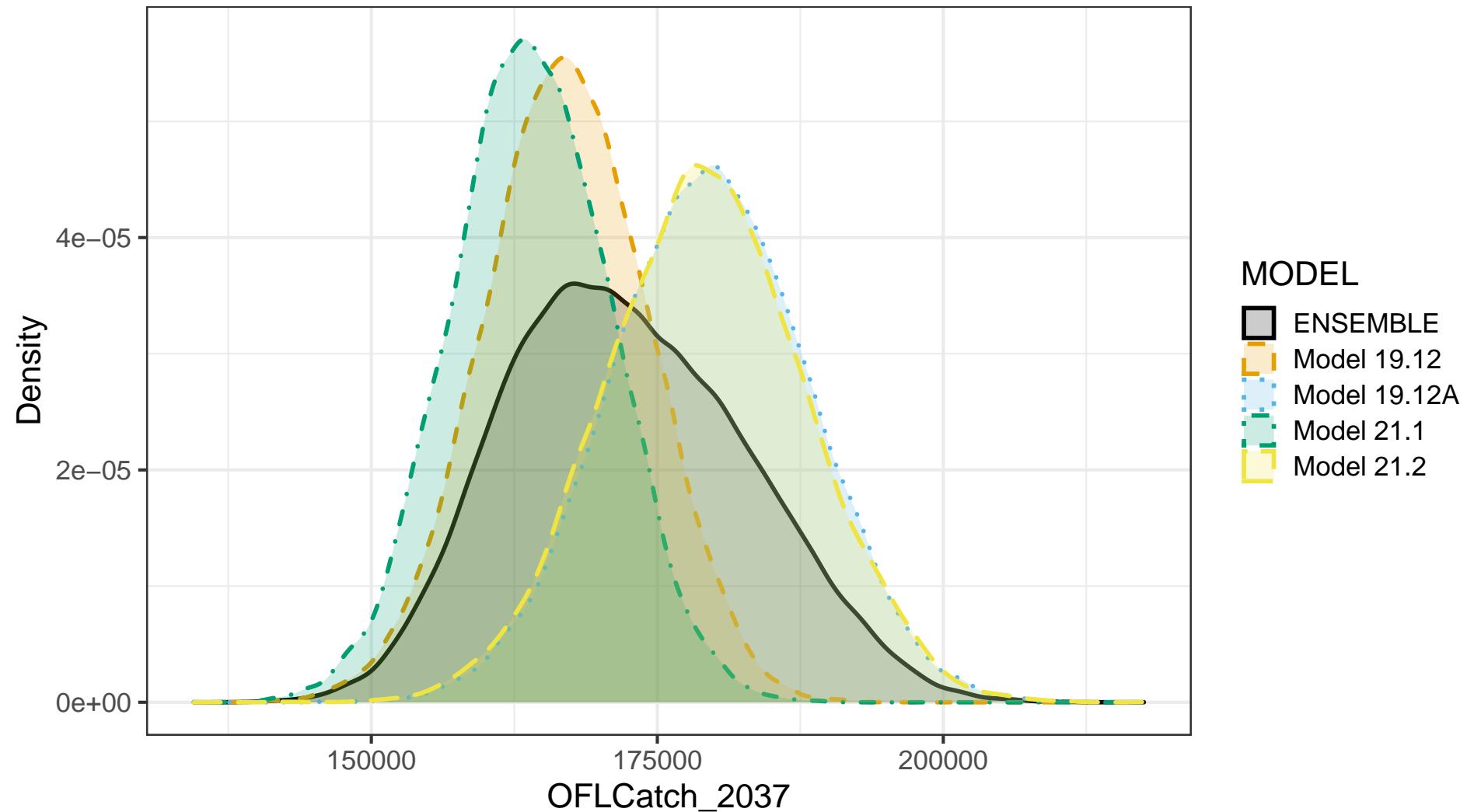
# OFLCatch\_2035



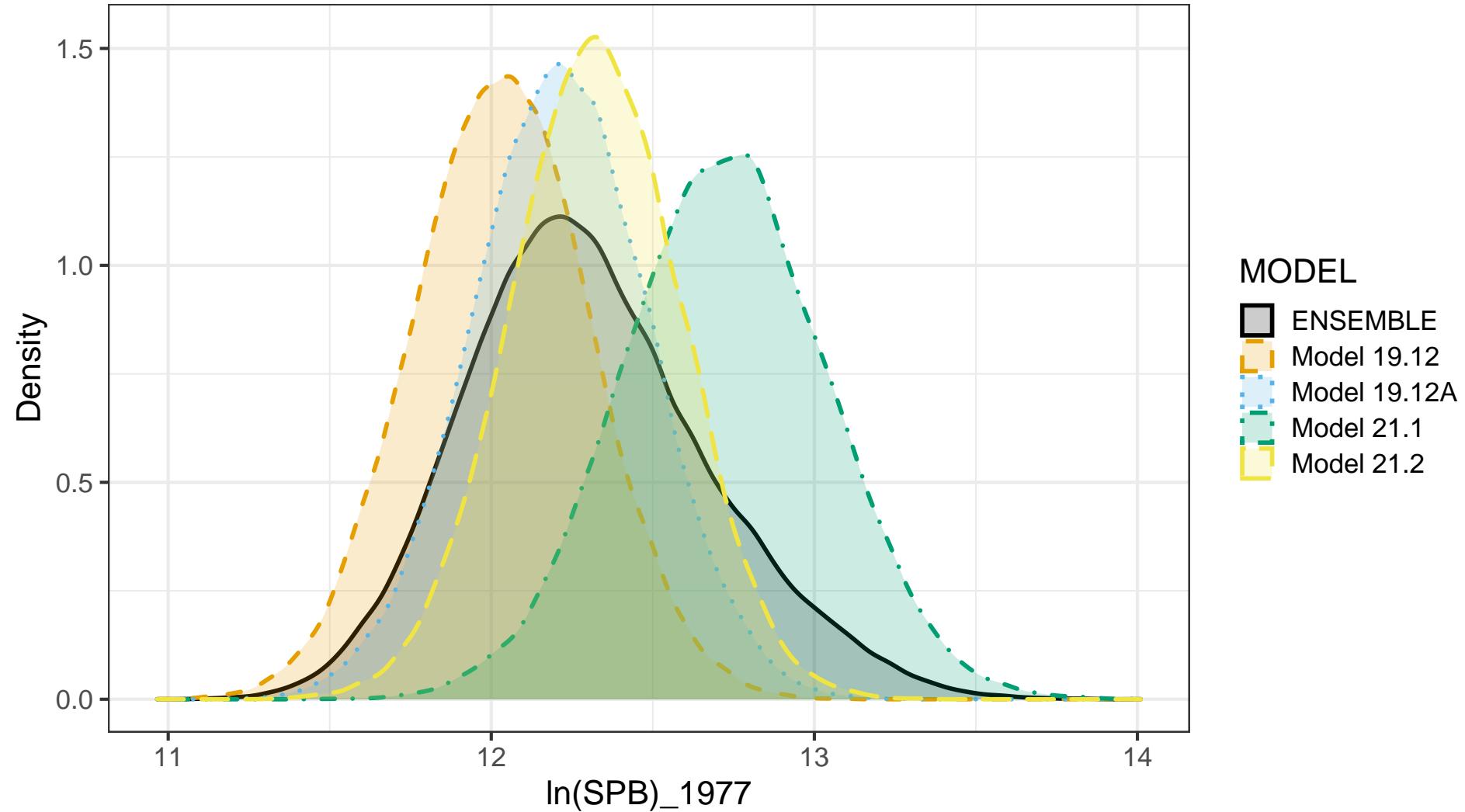
# OFLCatch\_2036



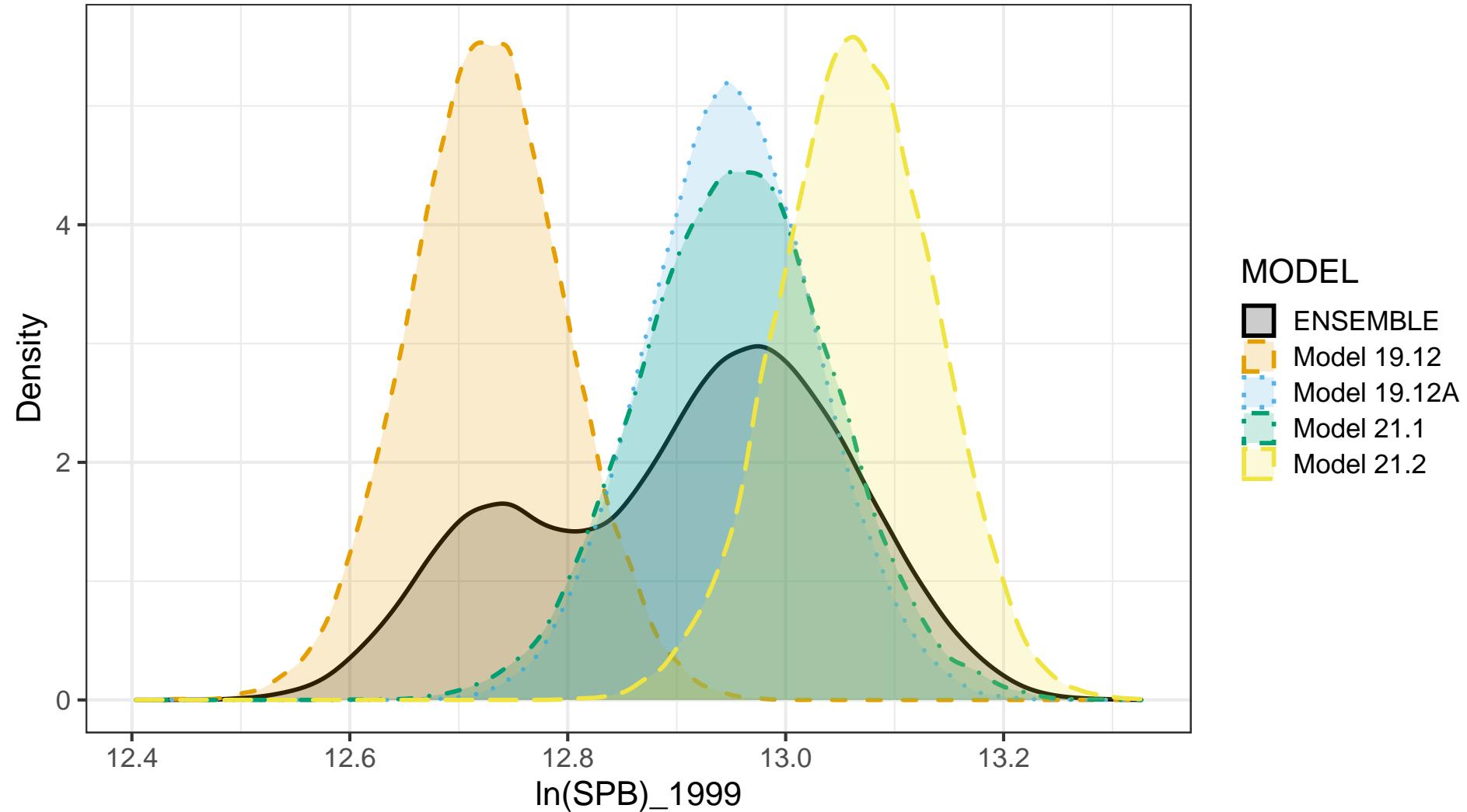
# OFLCatch\_2037



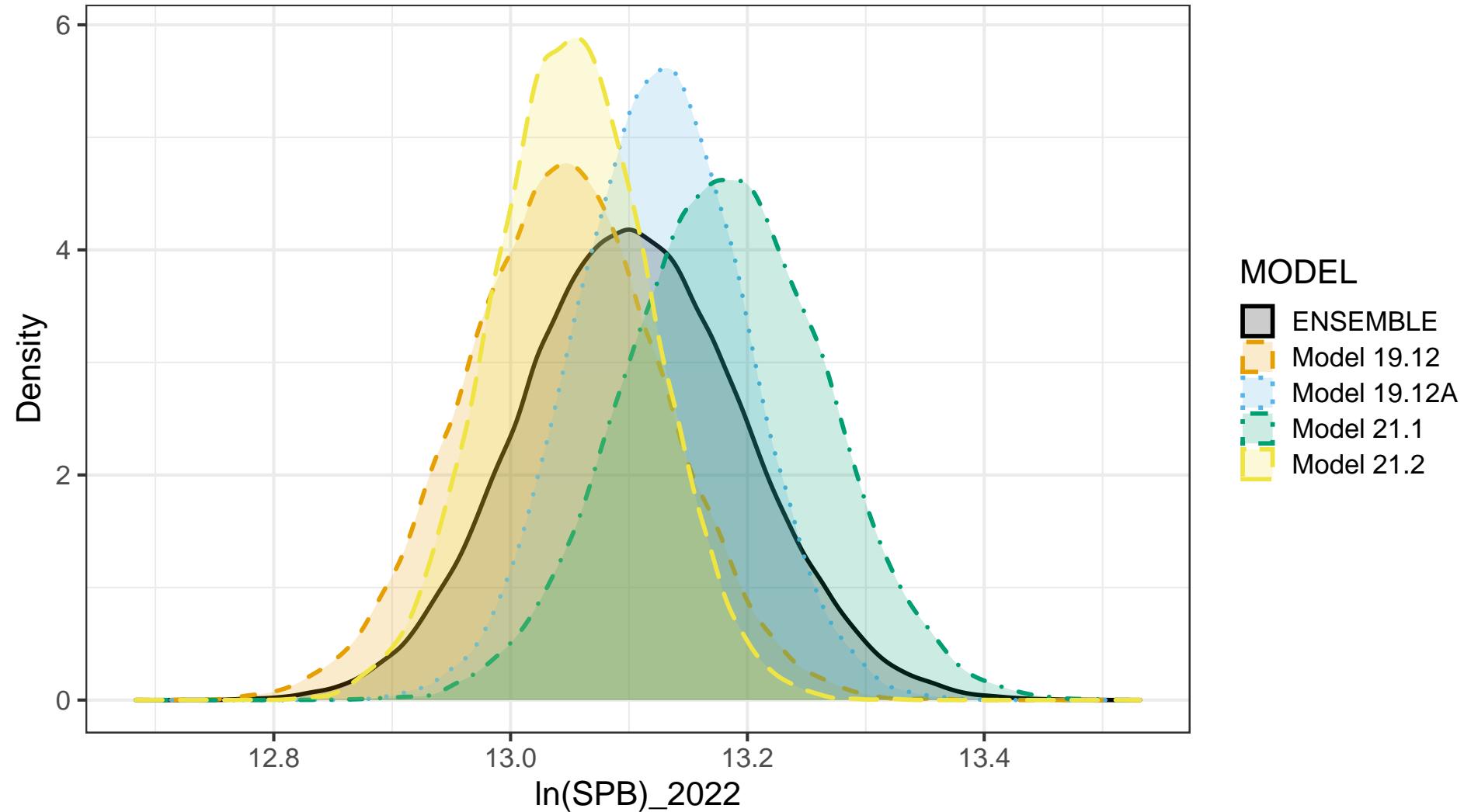
# $\ln(\text{SPB})_{1977}$



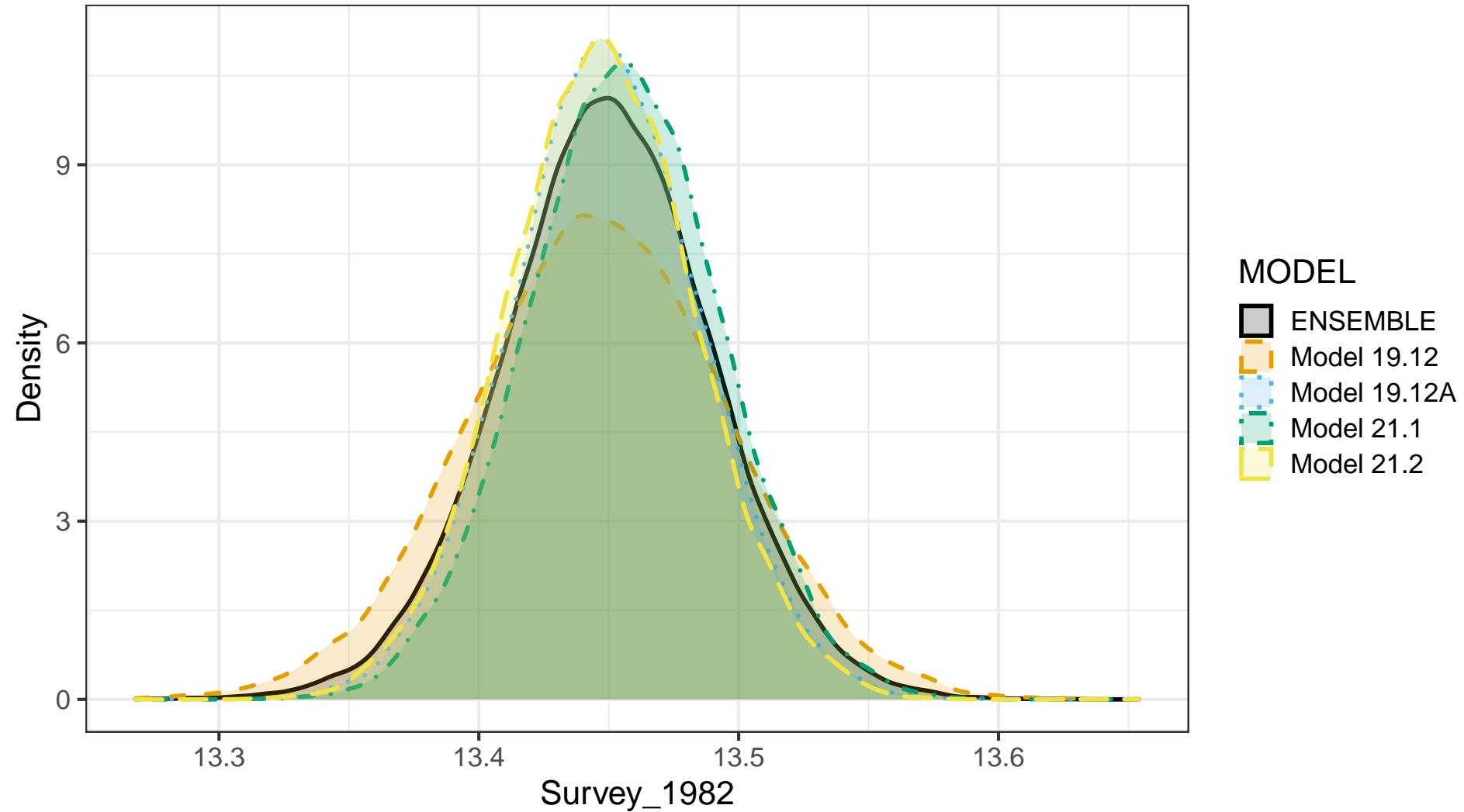
# $\ln(\text{SPB})_{1999}$



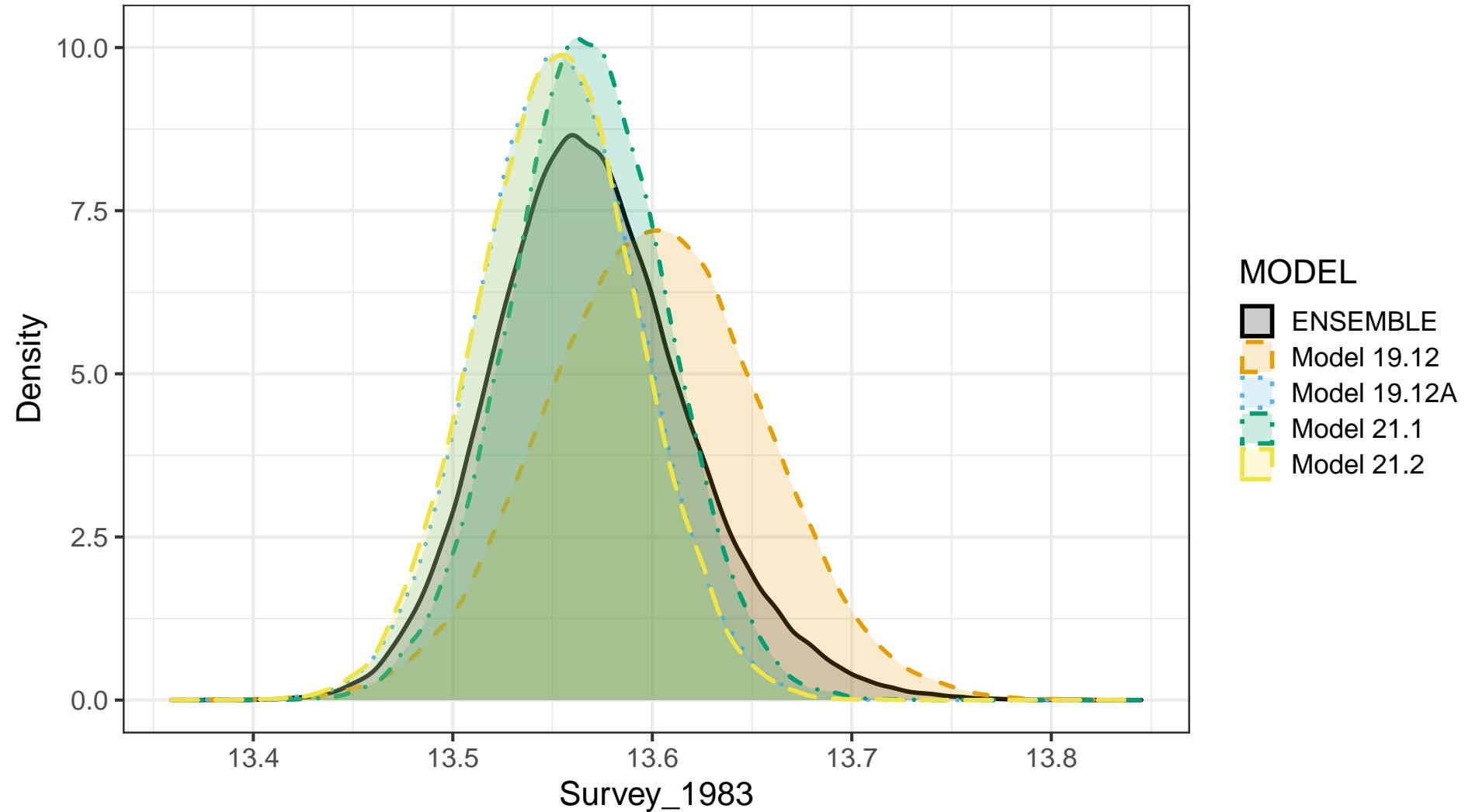
# ln(SPB)\_2022



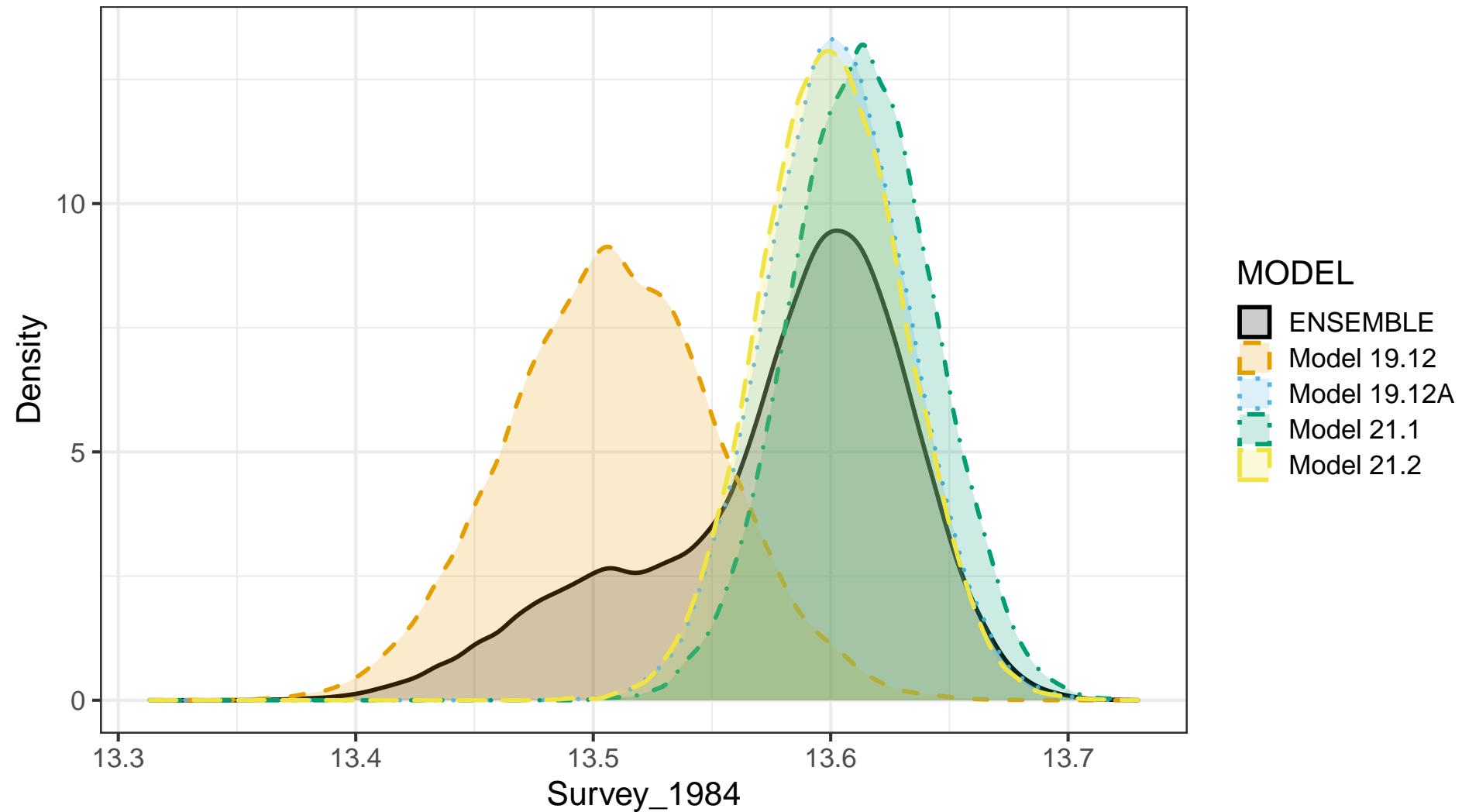
# Survey\_1982



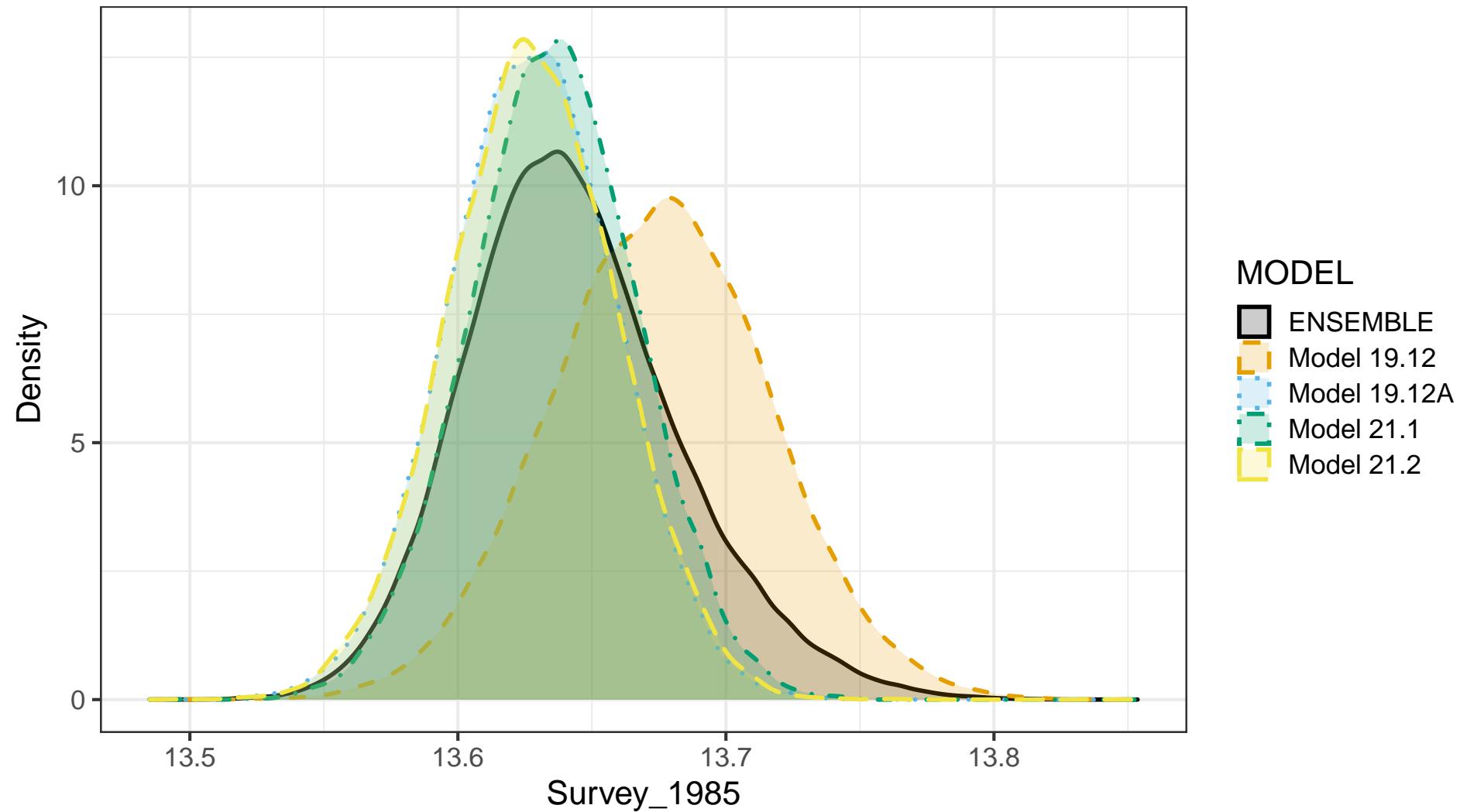
# Survey\_1983



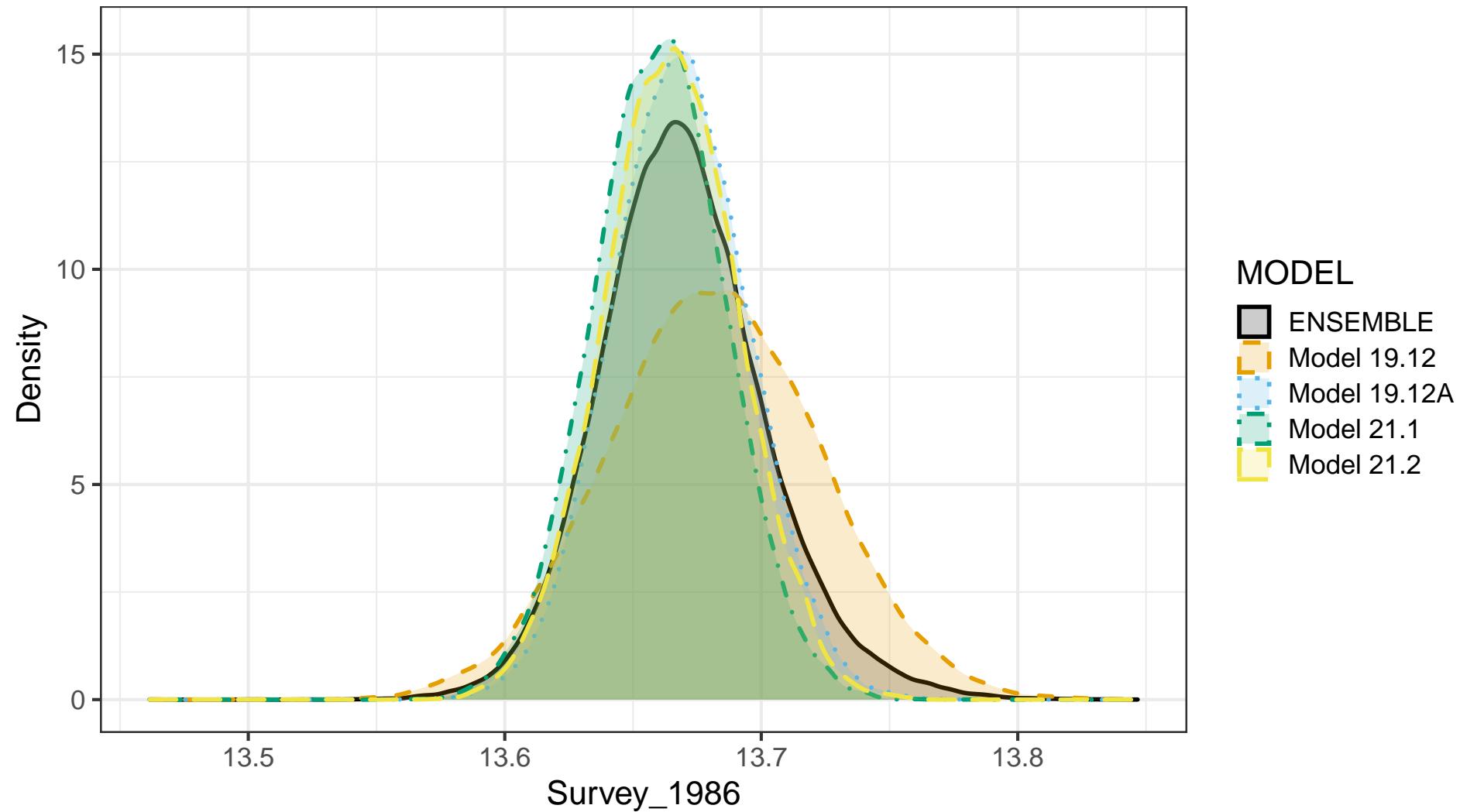
# Survey\_1984



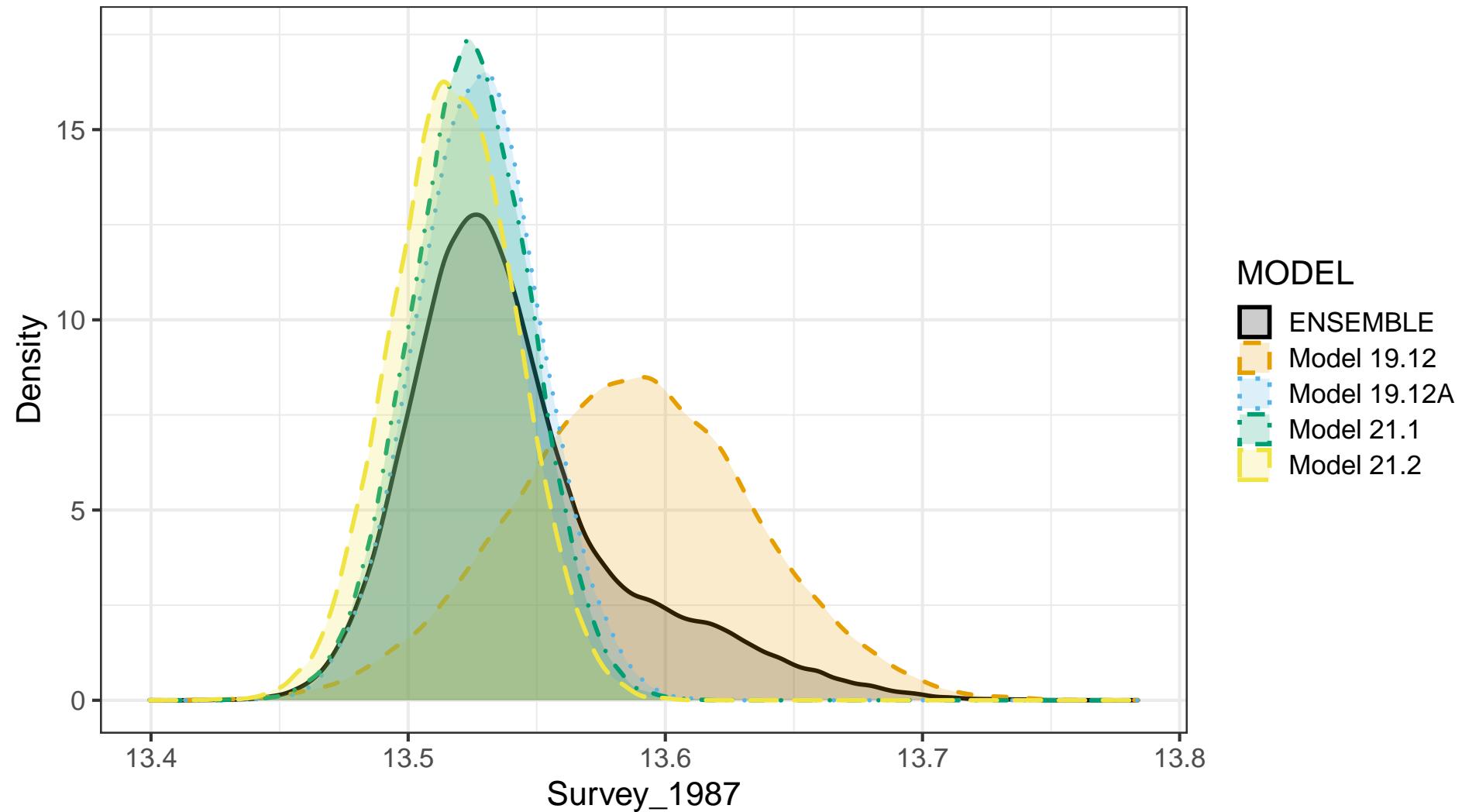
# Survey\_1985



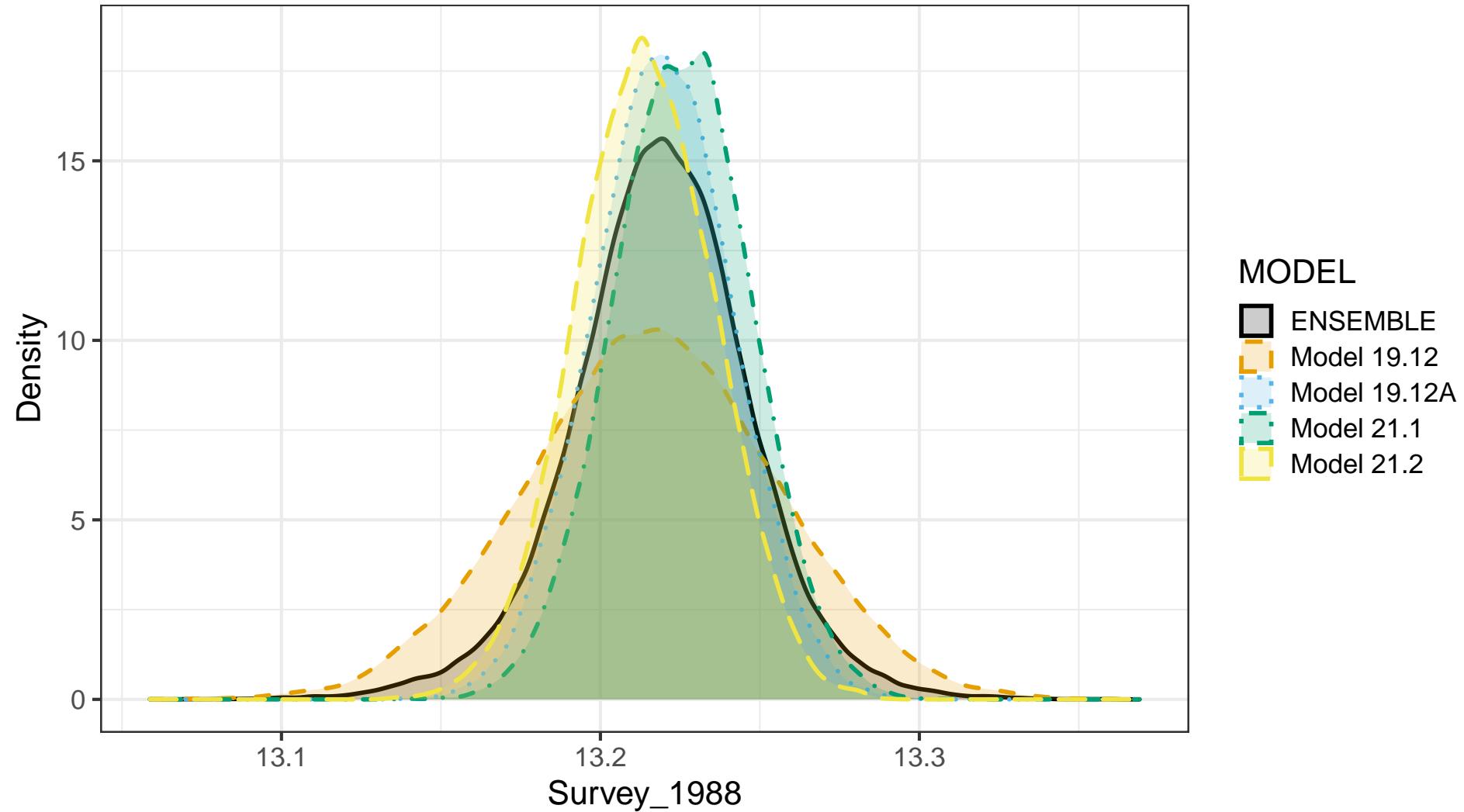
# Survey\_1986



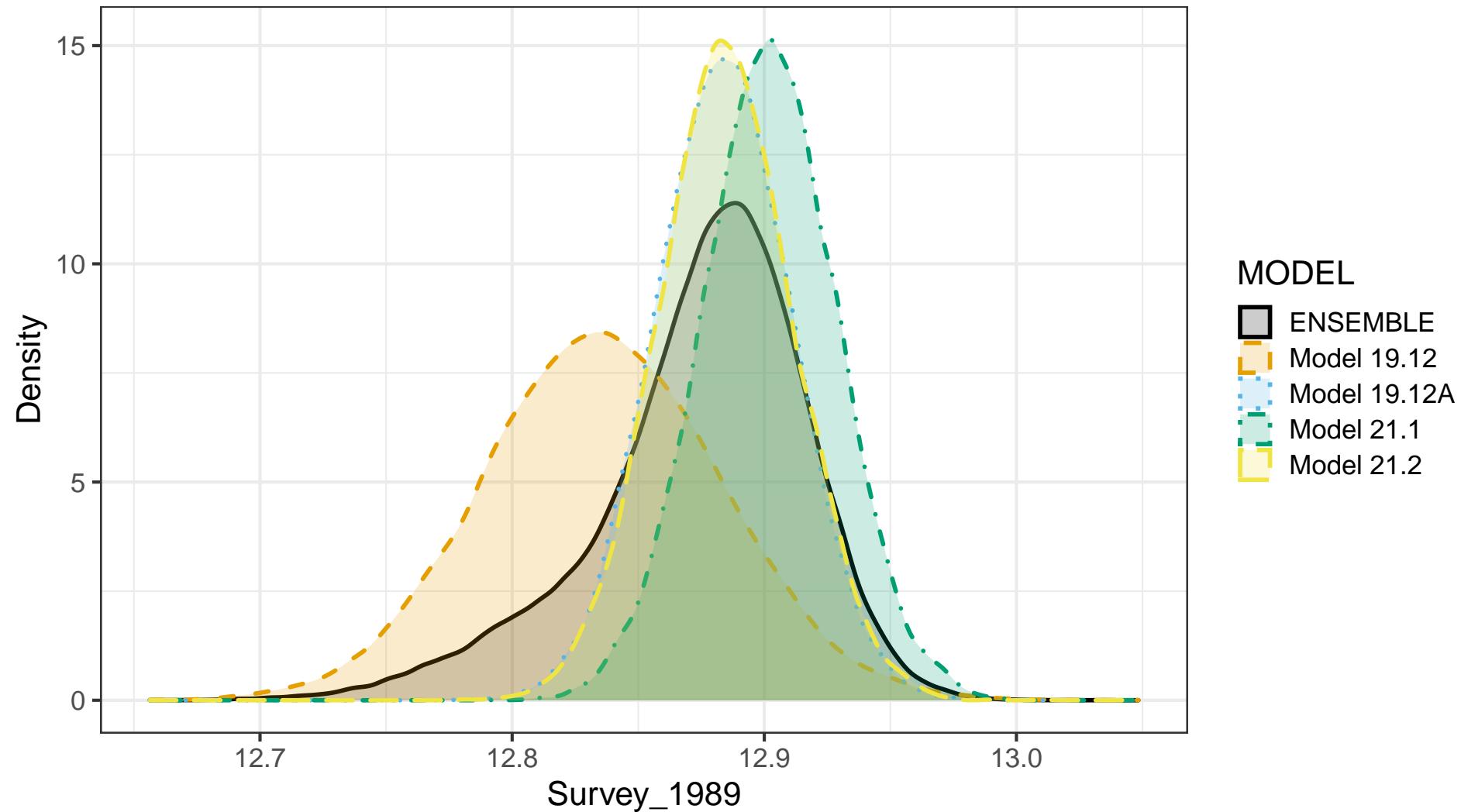
# Survey\_1987



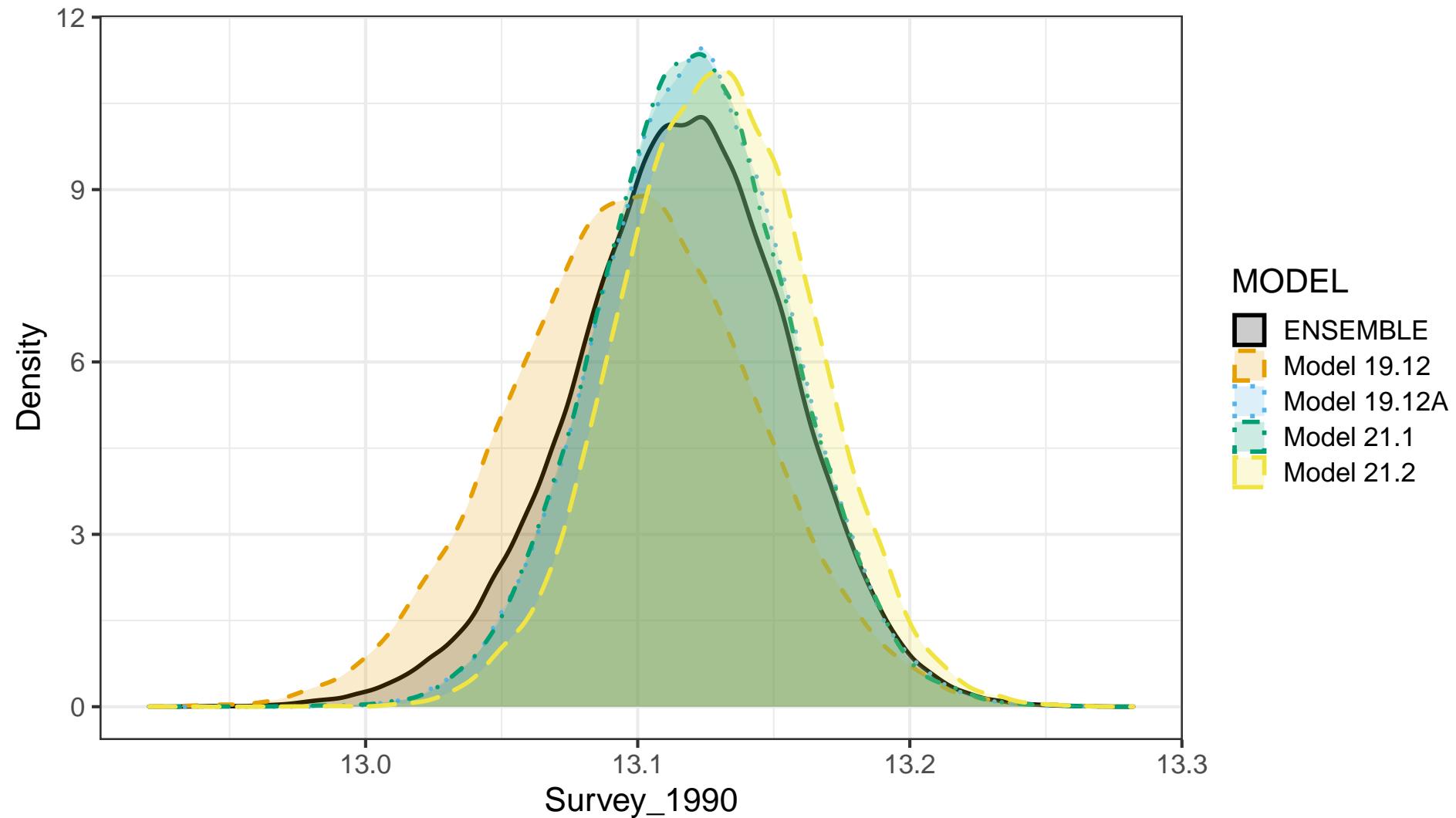
# Survey\_1988



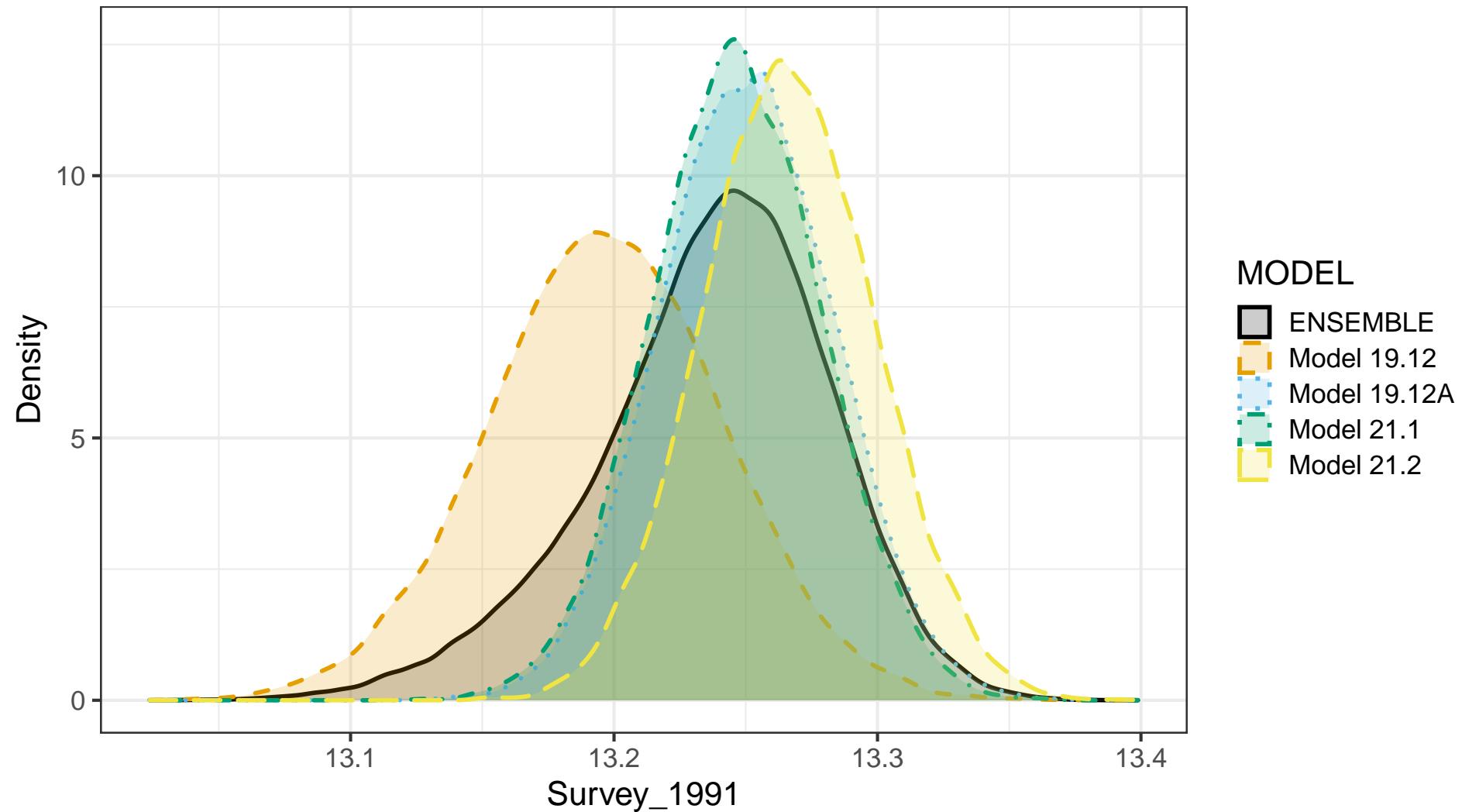
# Survey\_1989



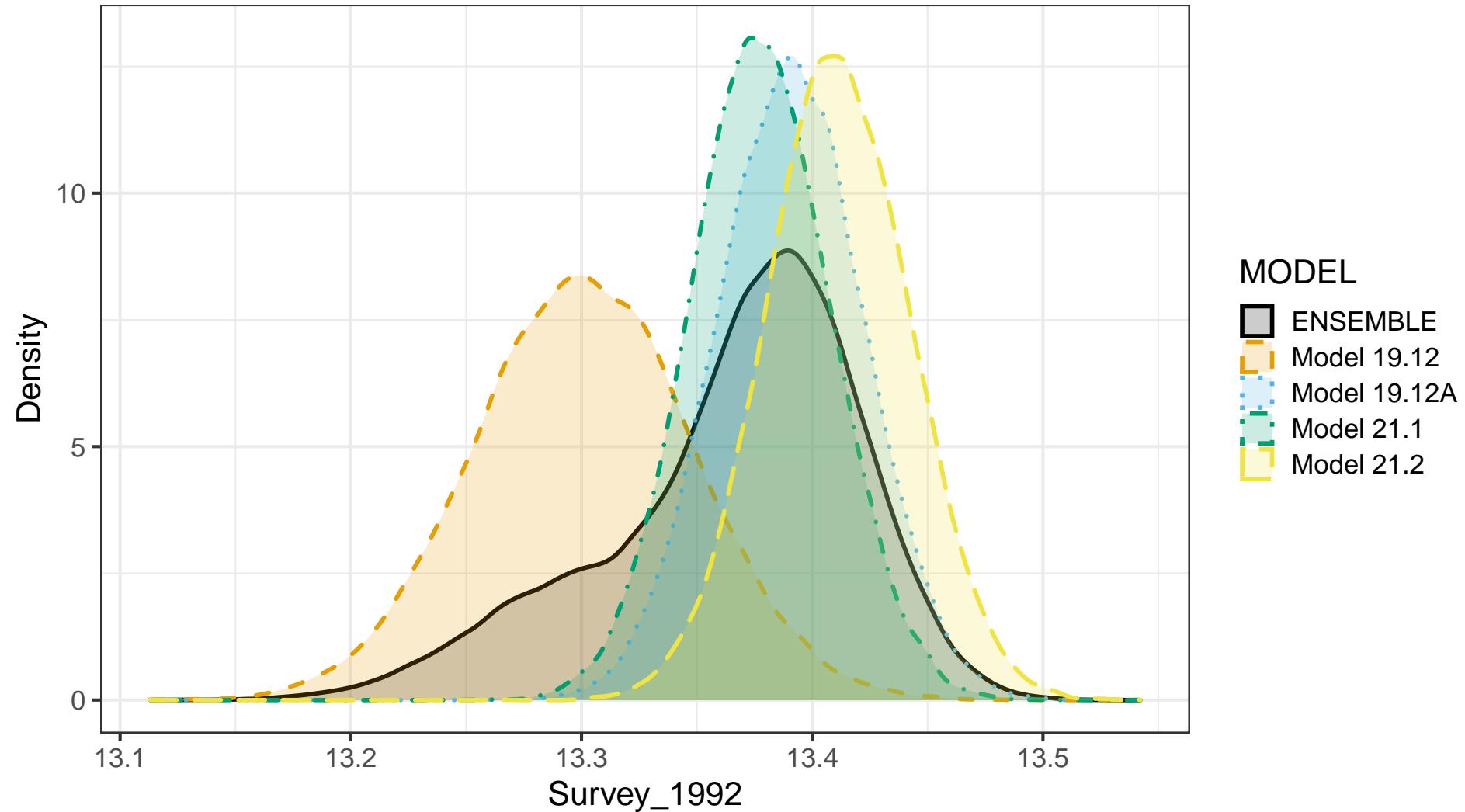
# Survey\_1990



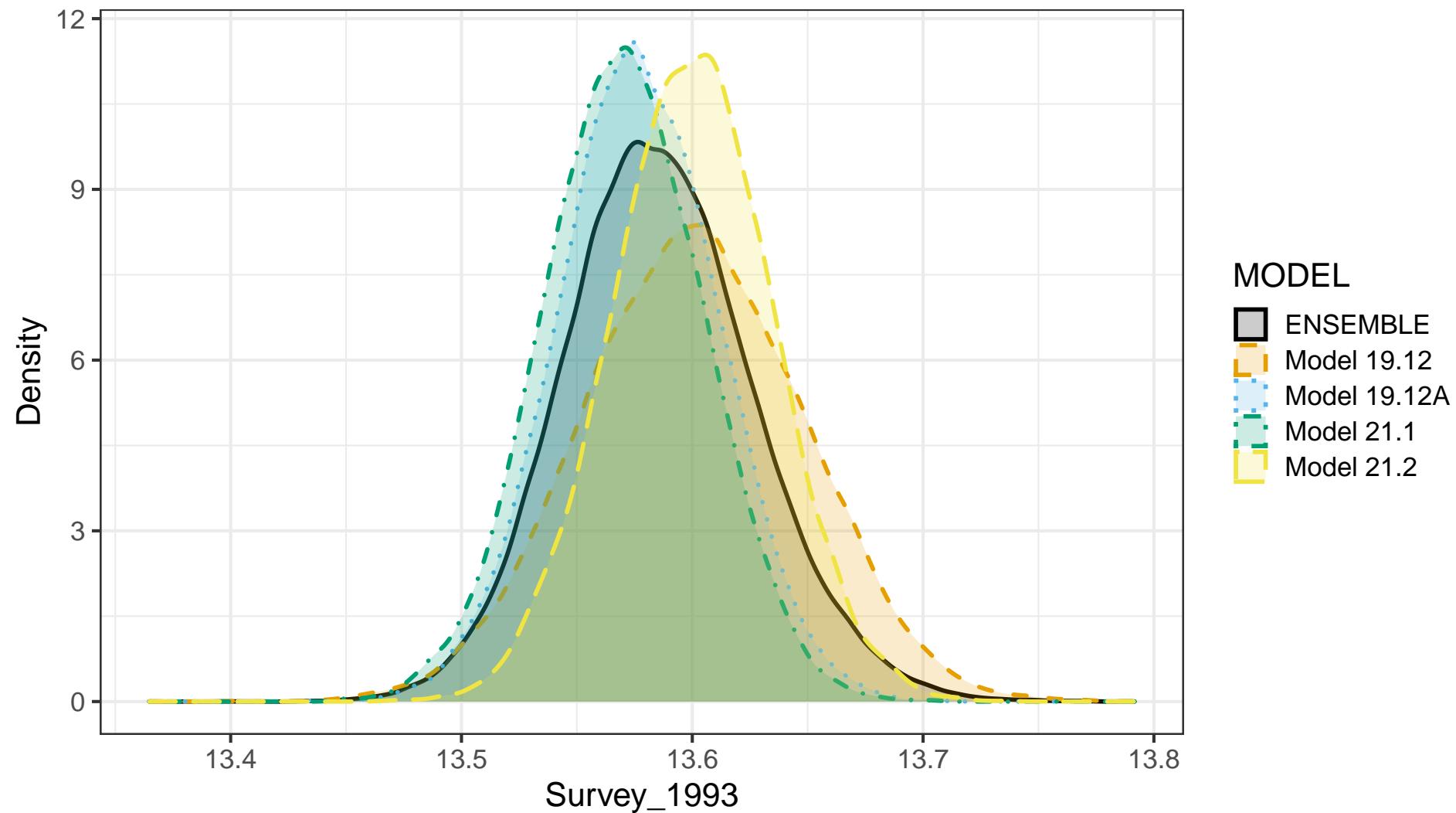
# Survey\_1991



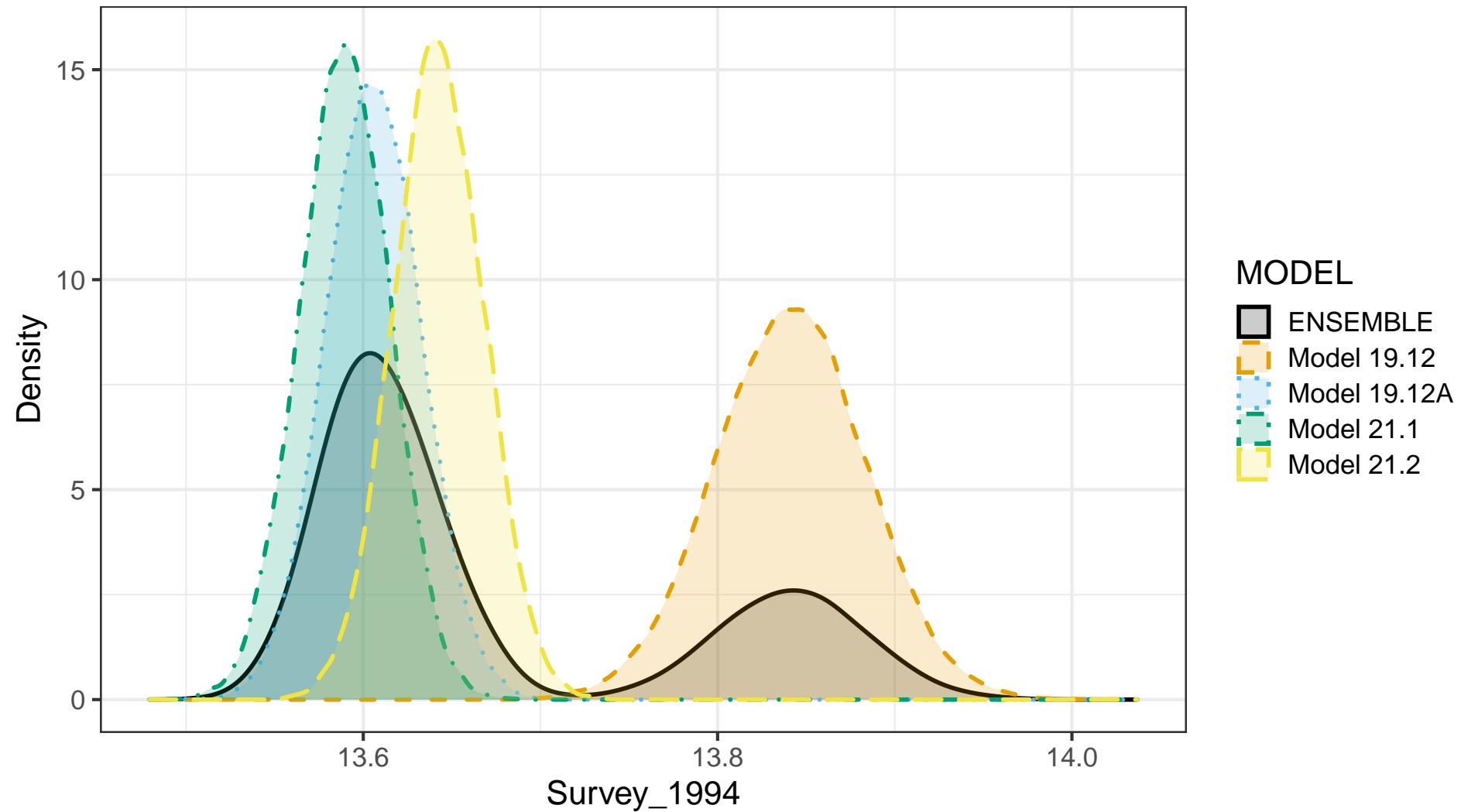
# Survey\_1992



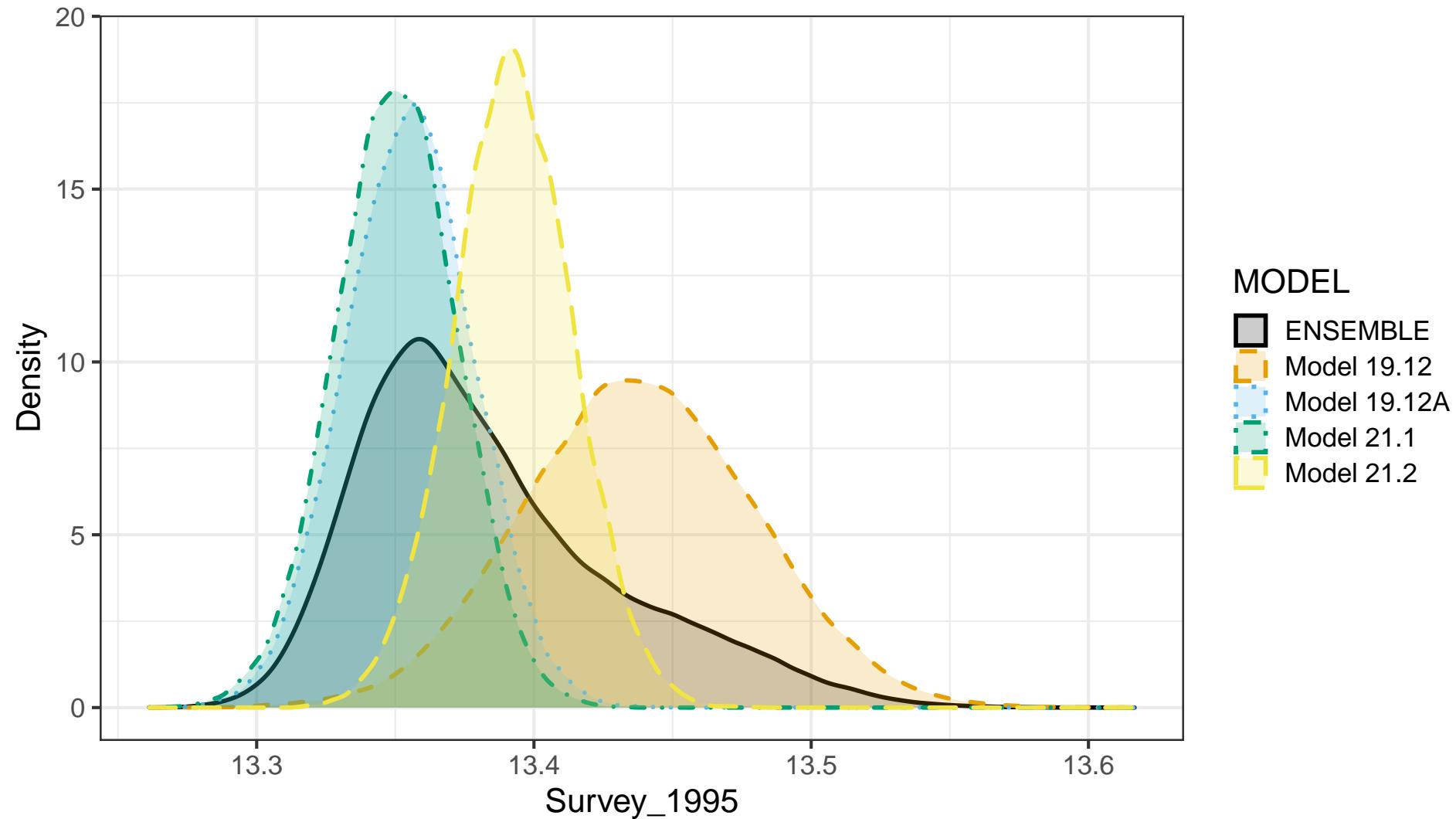
# Survey\_1993



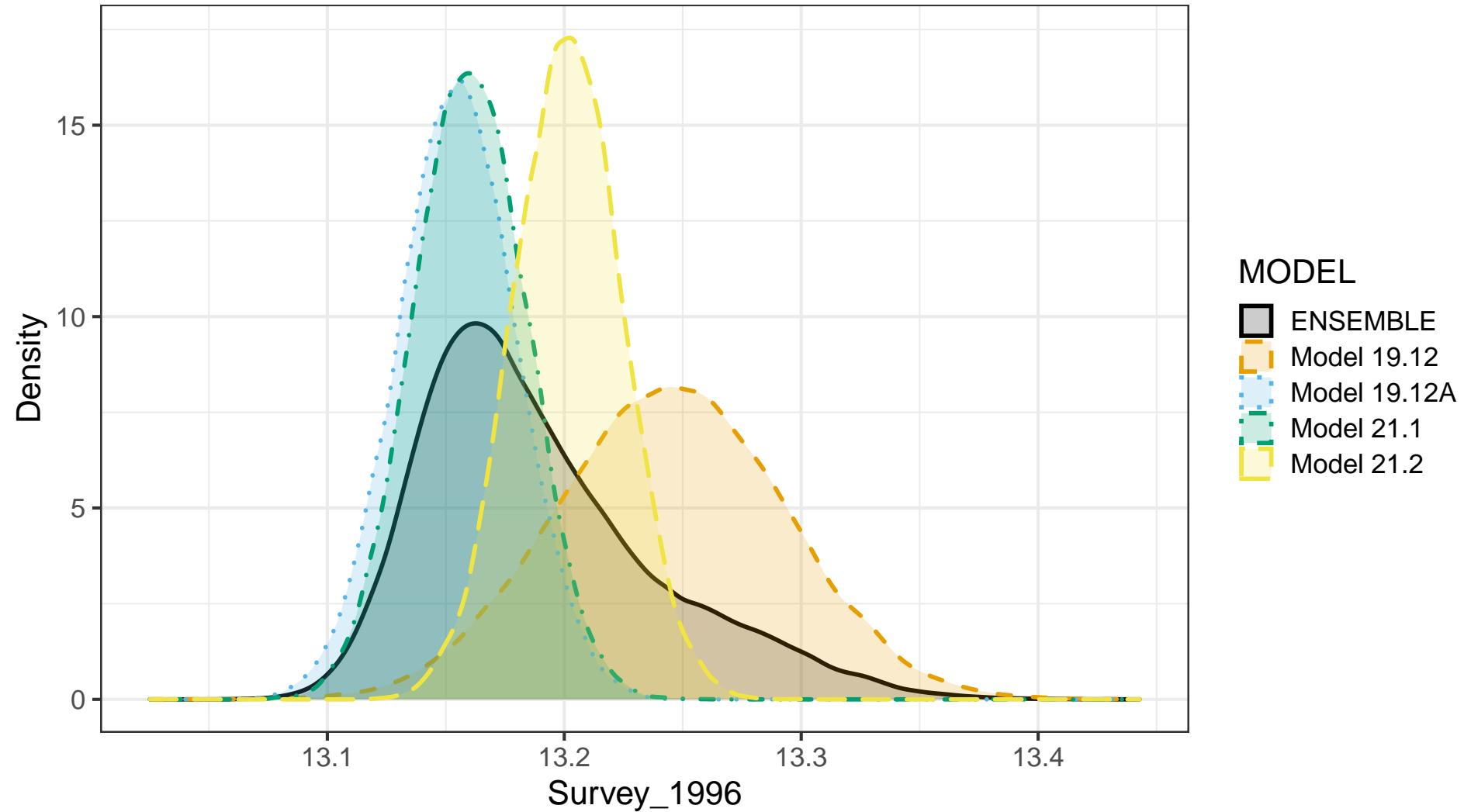
# Survey\_1994



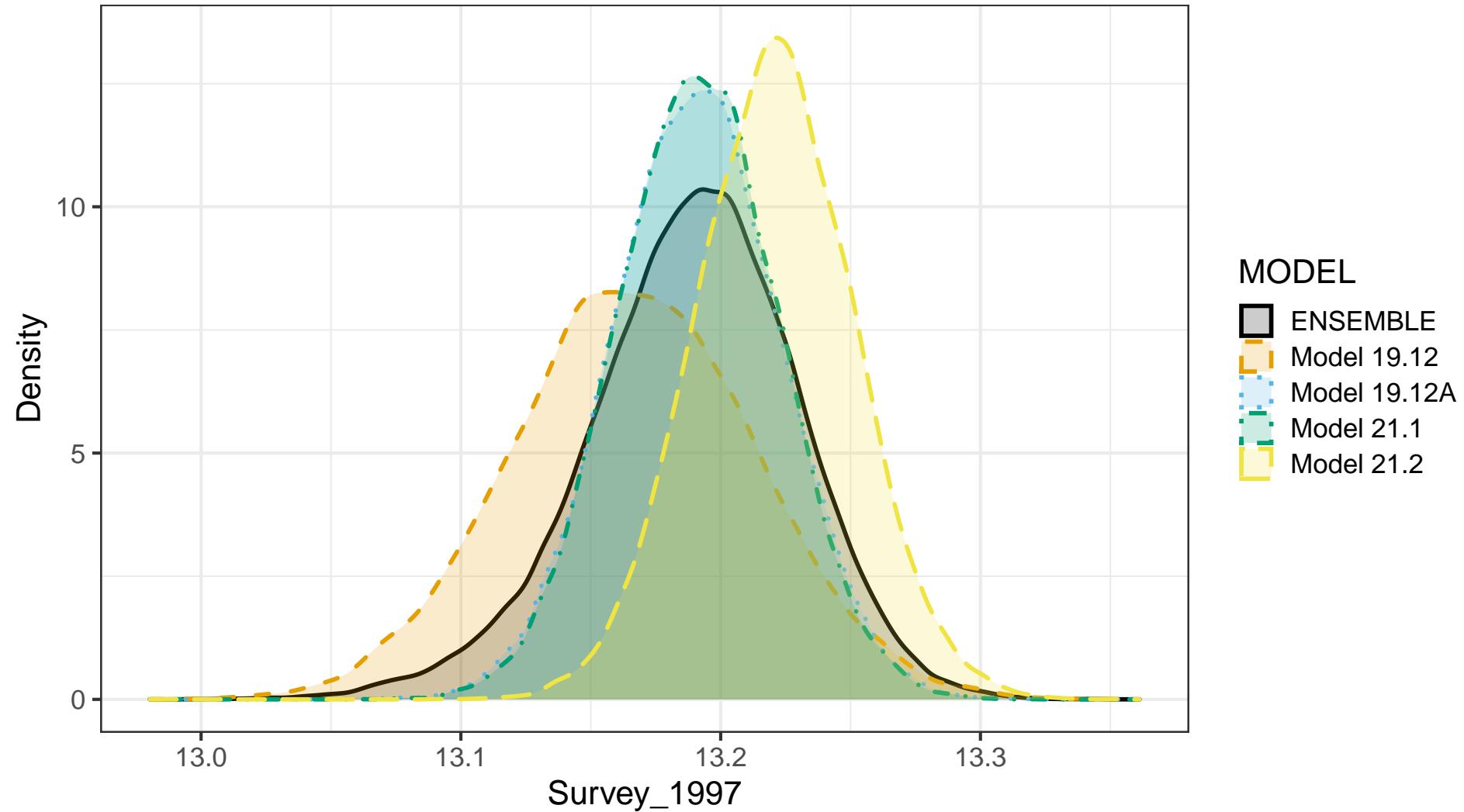
# Survey\_1995



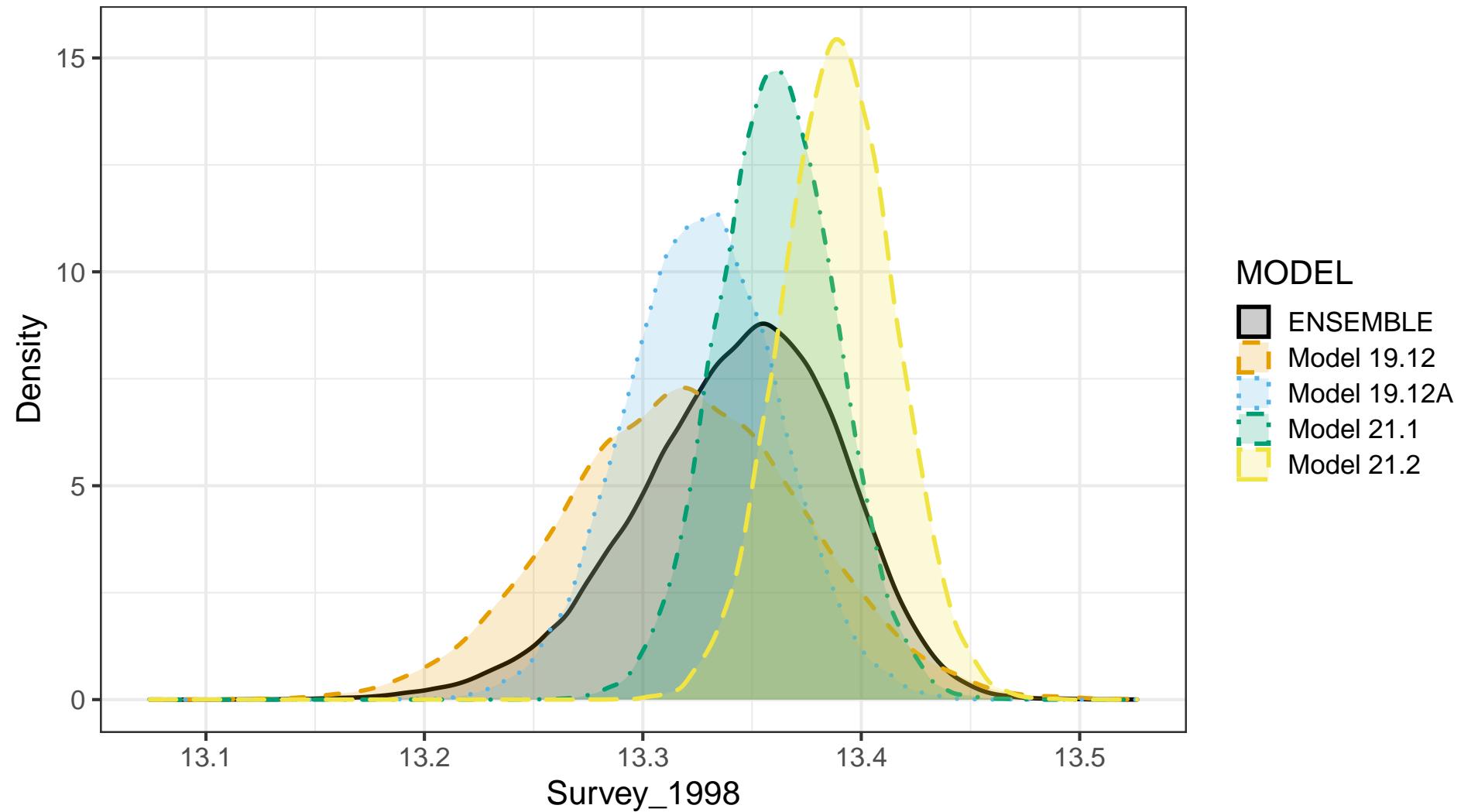
# Survey\_1996



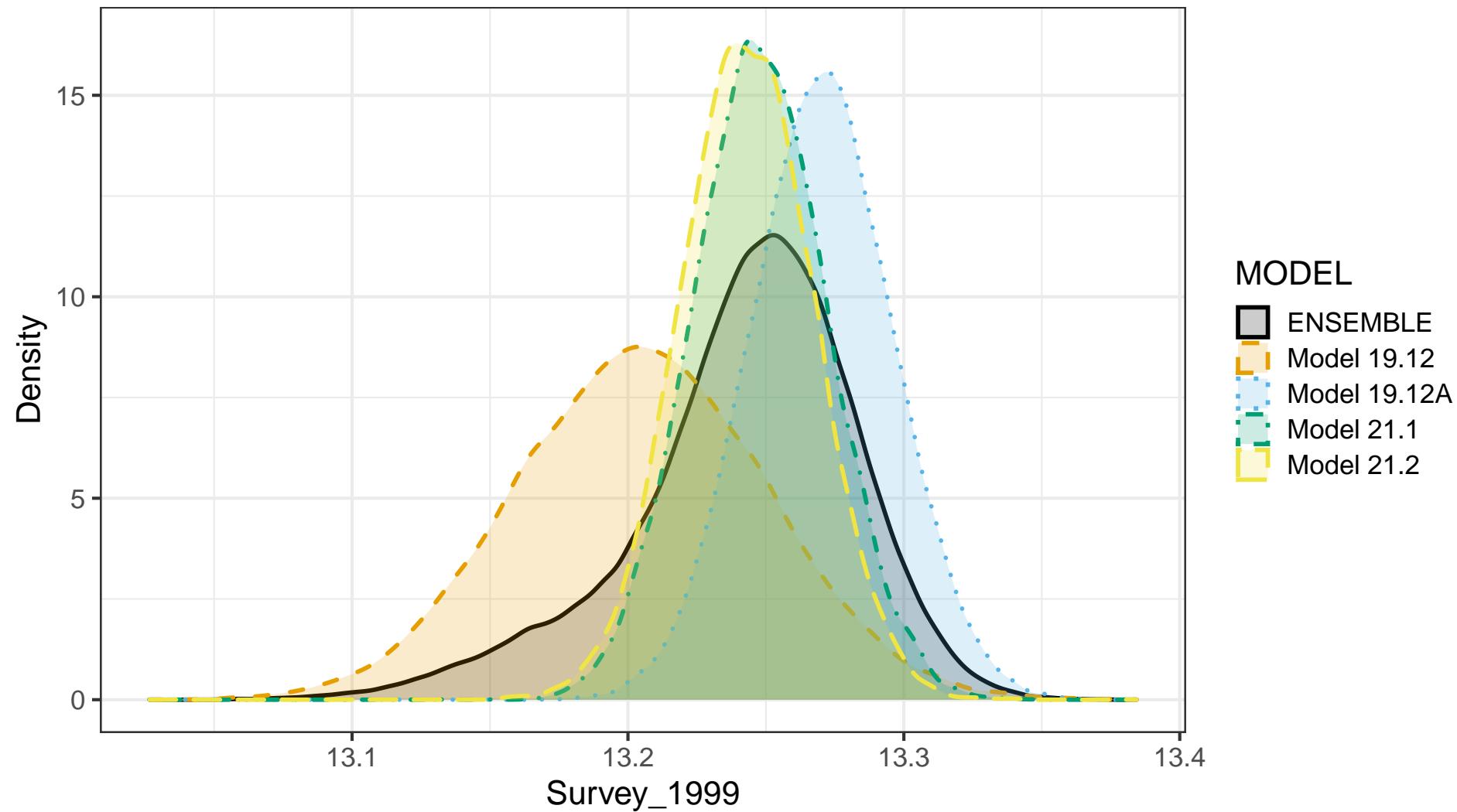
# Survey\_1997



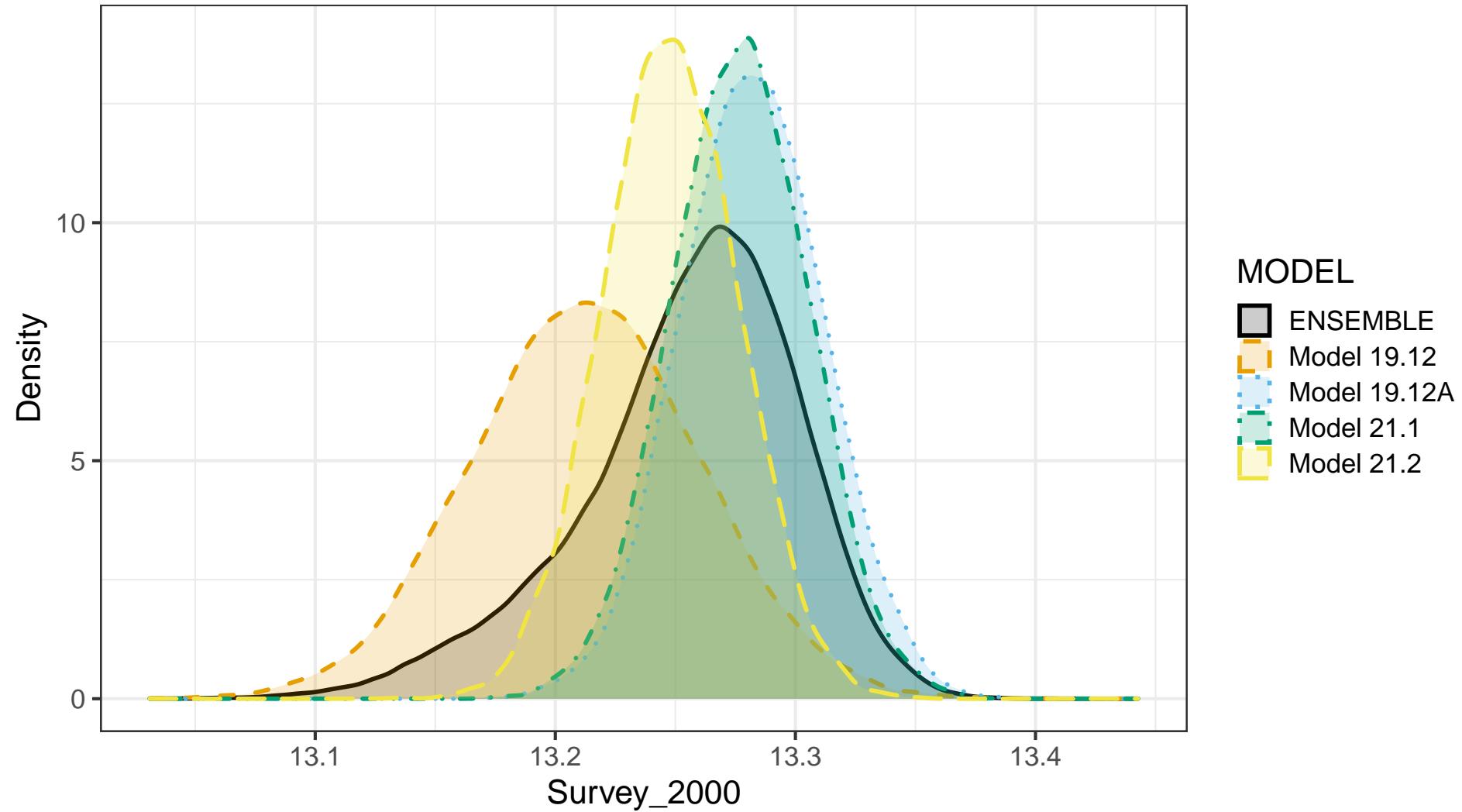
# Survey\_1998



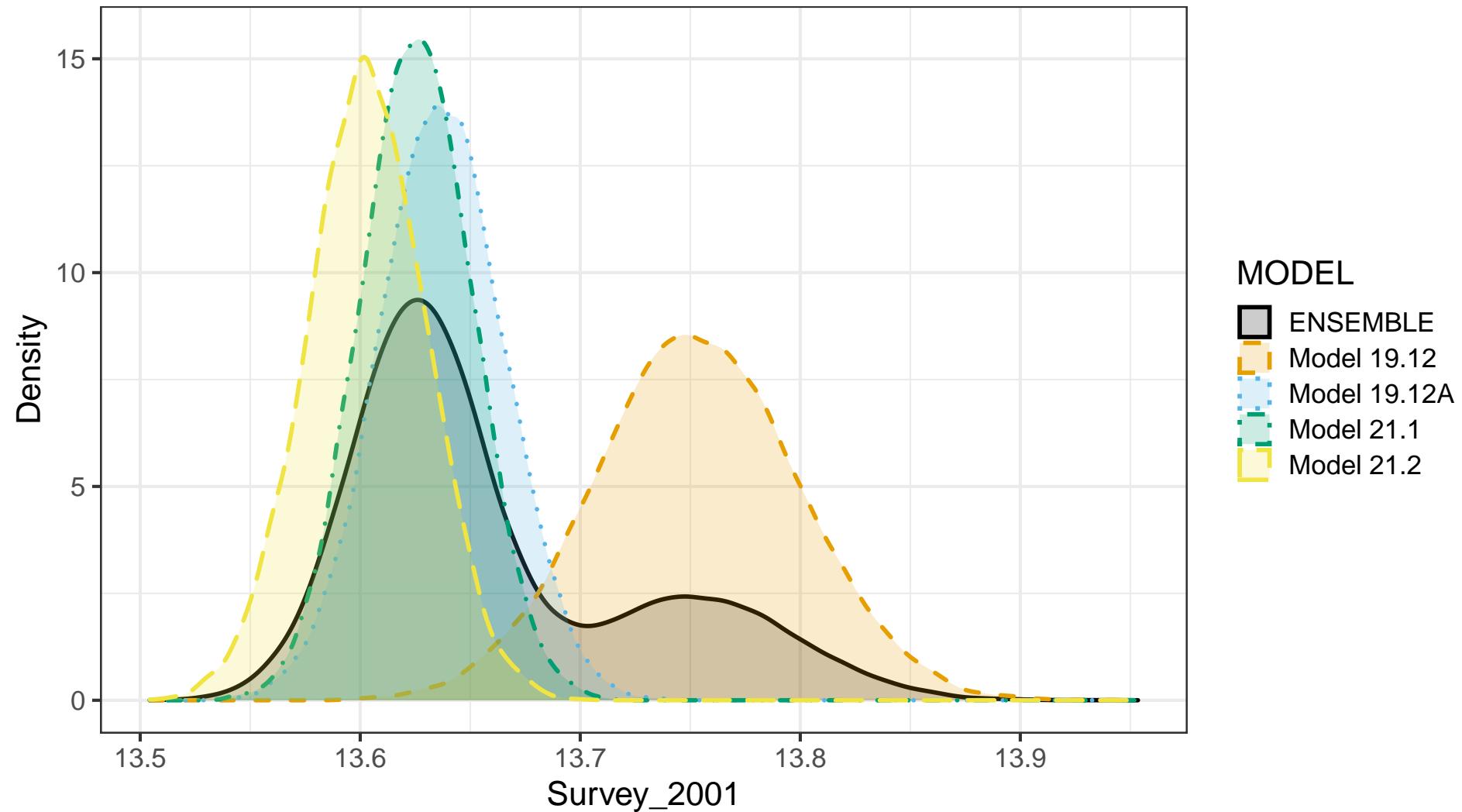
# Survey\_1999



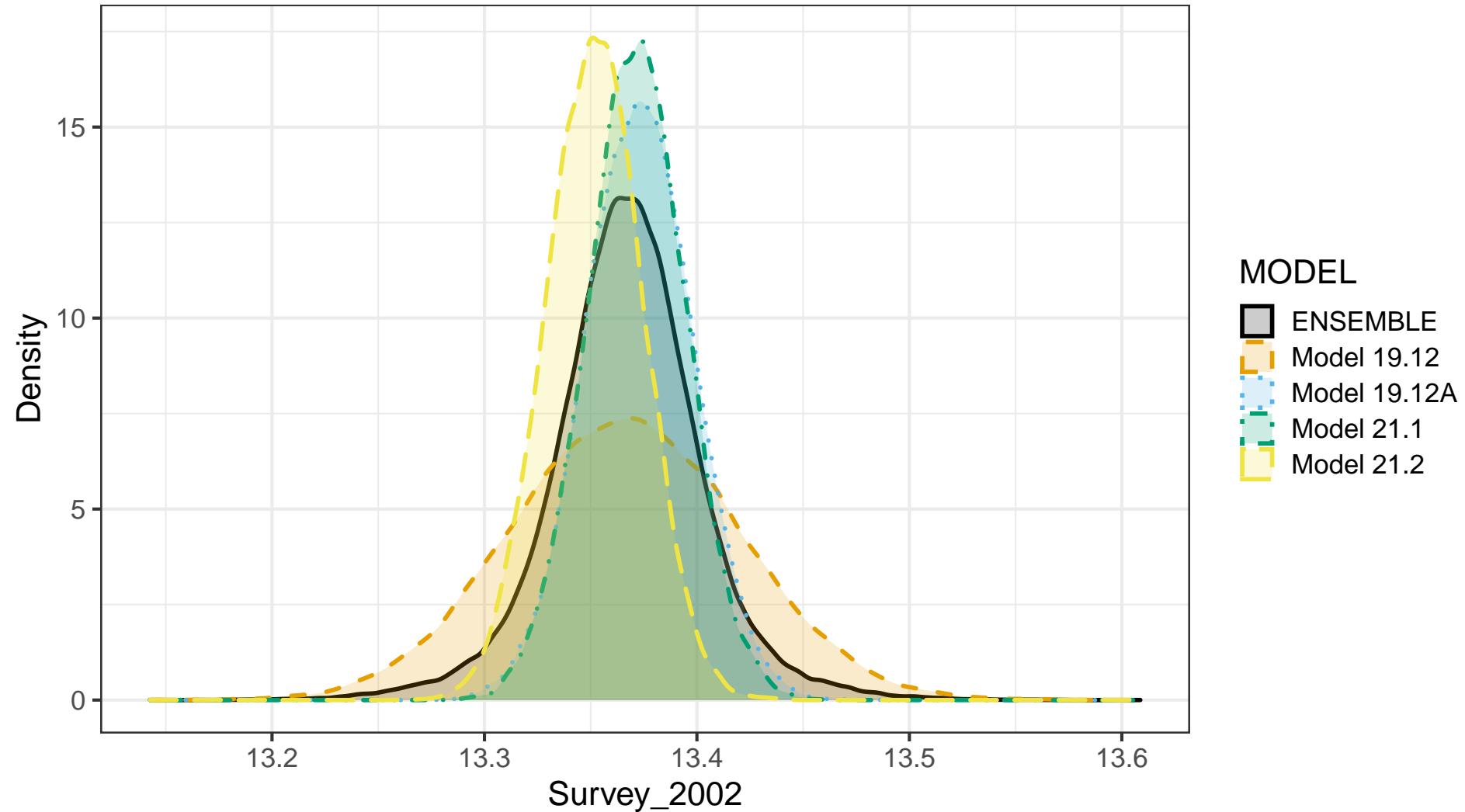
# Survey\_2000



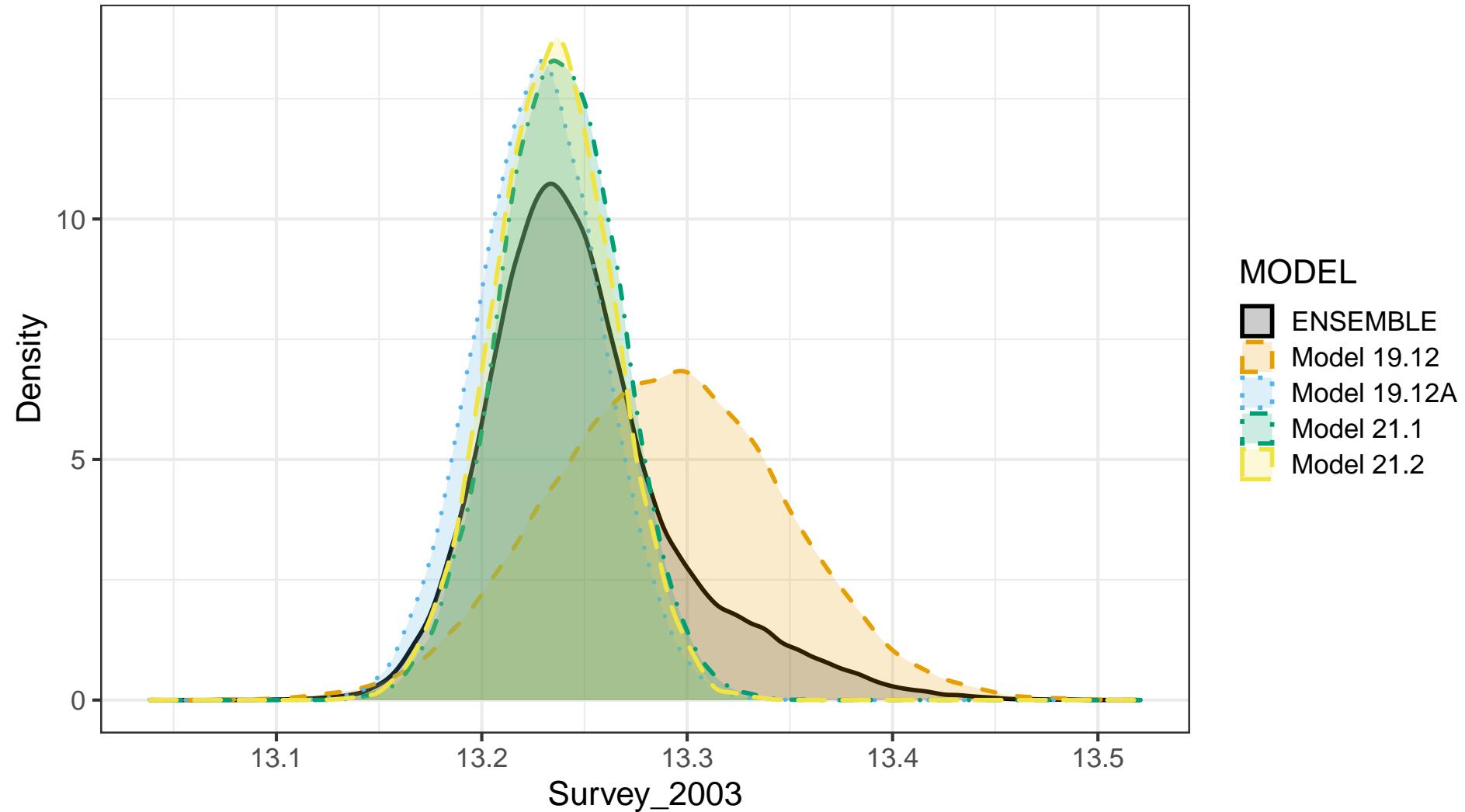
# Survey\_2001



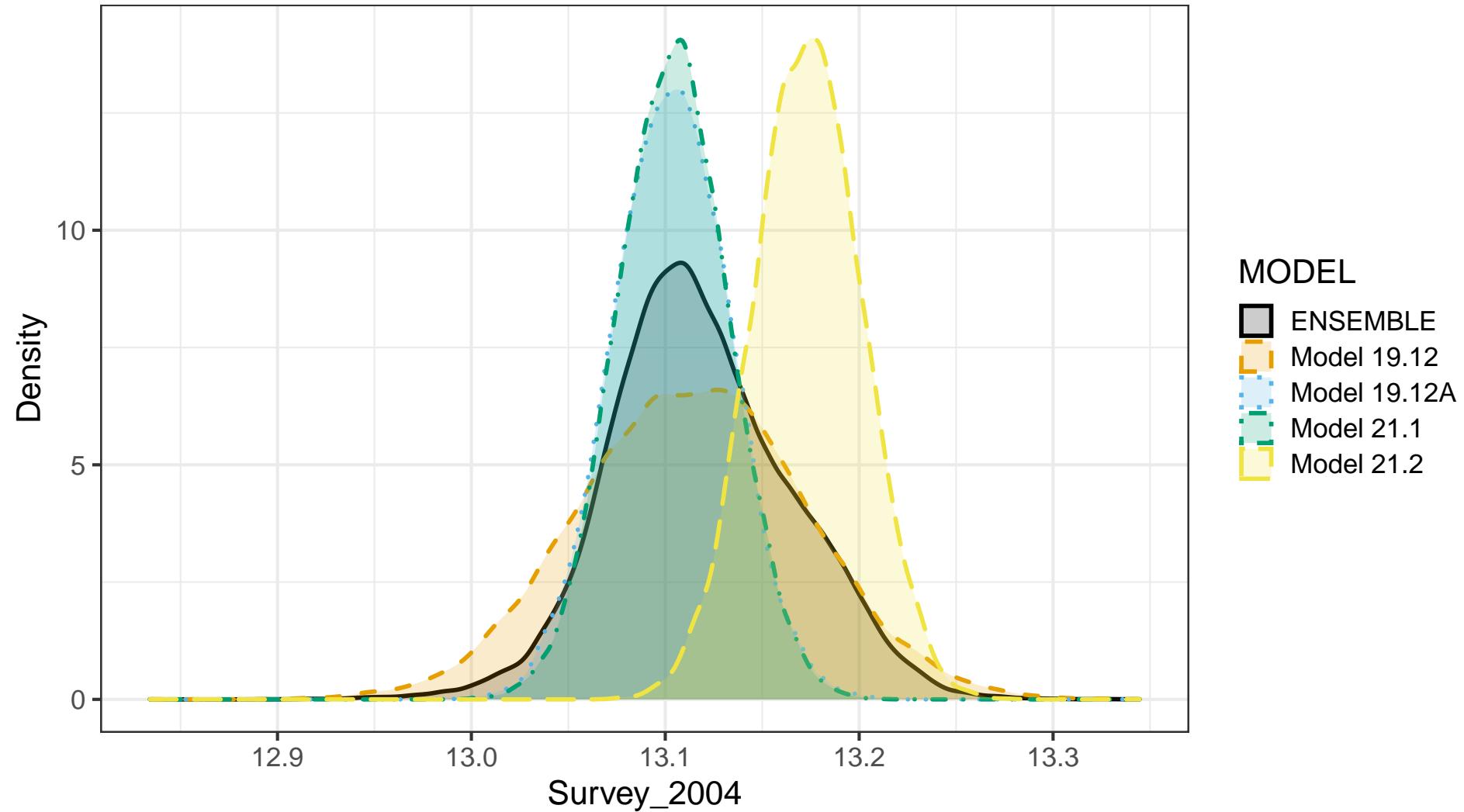
# Survey\_2002



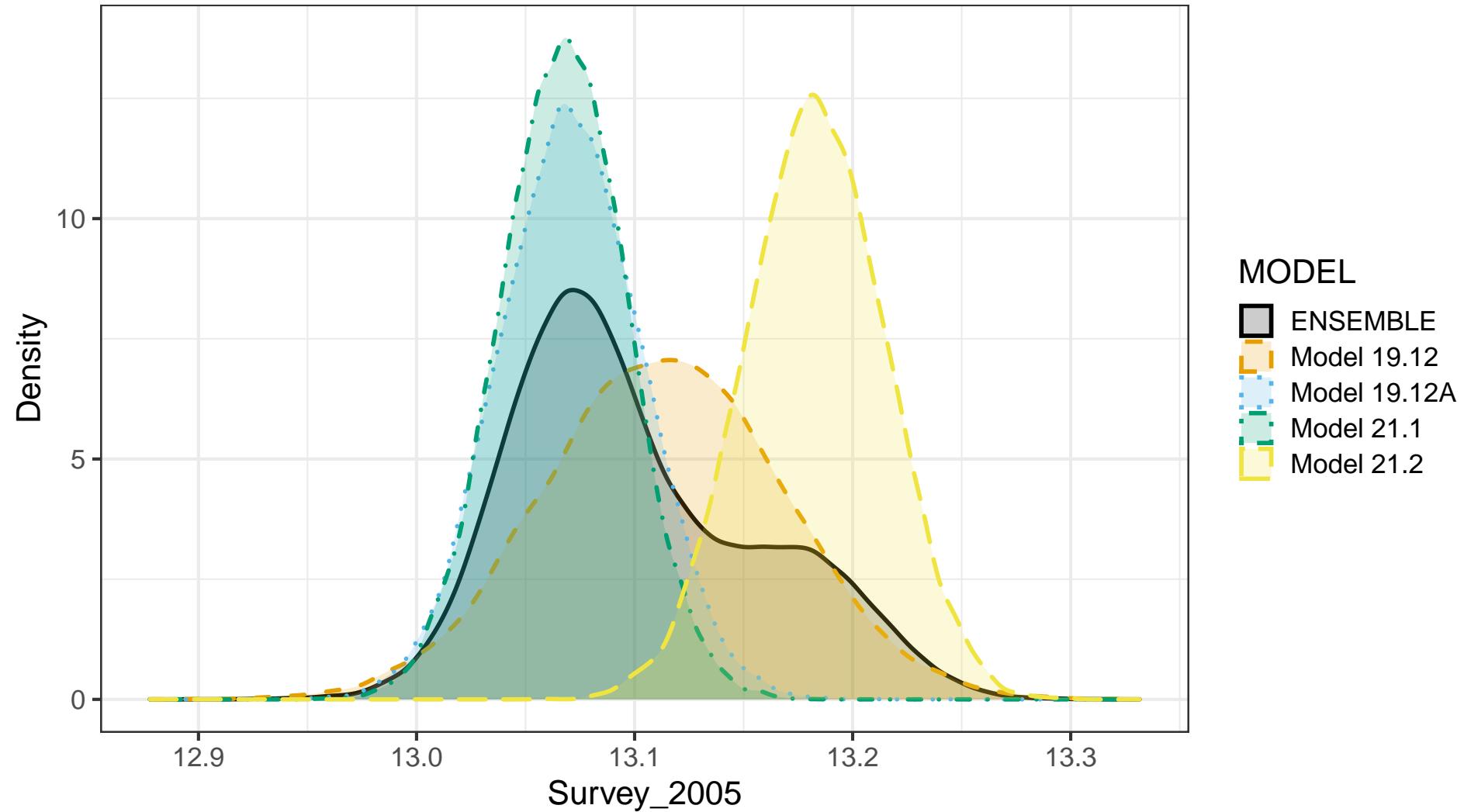
# Survey\_2003



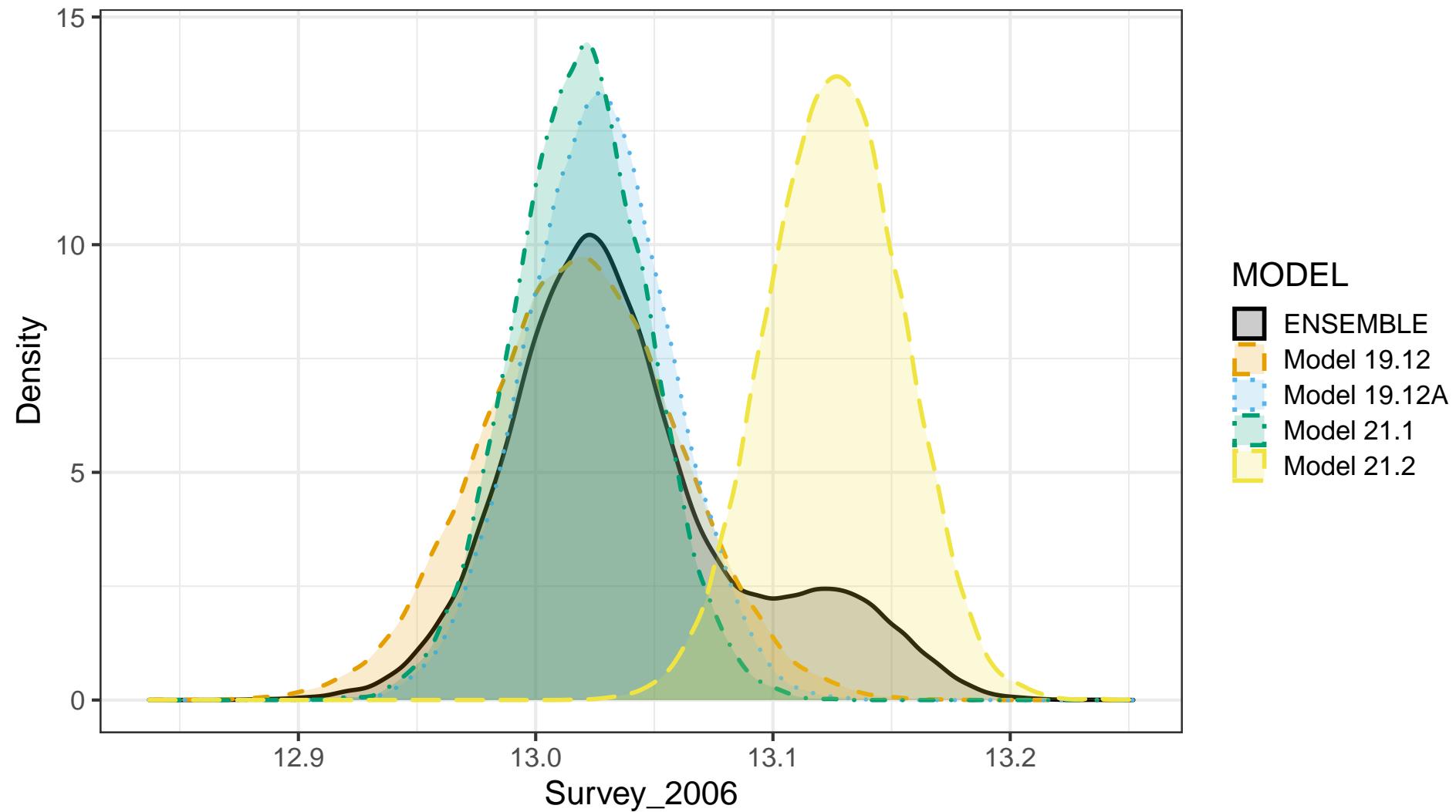
# Survey\_2004



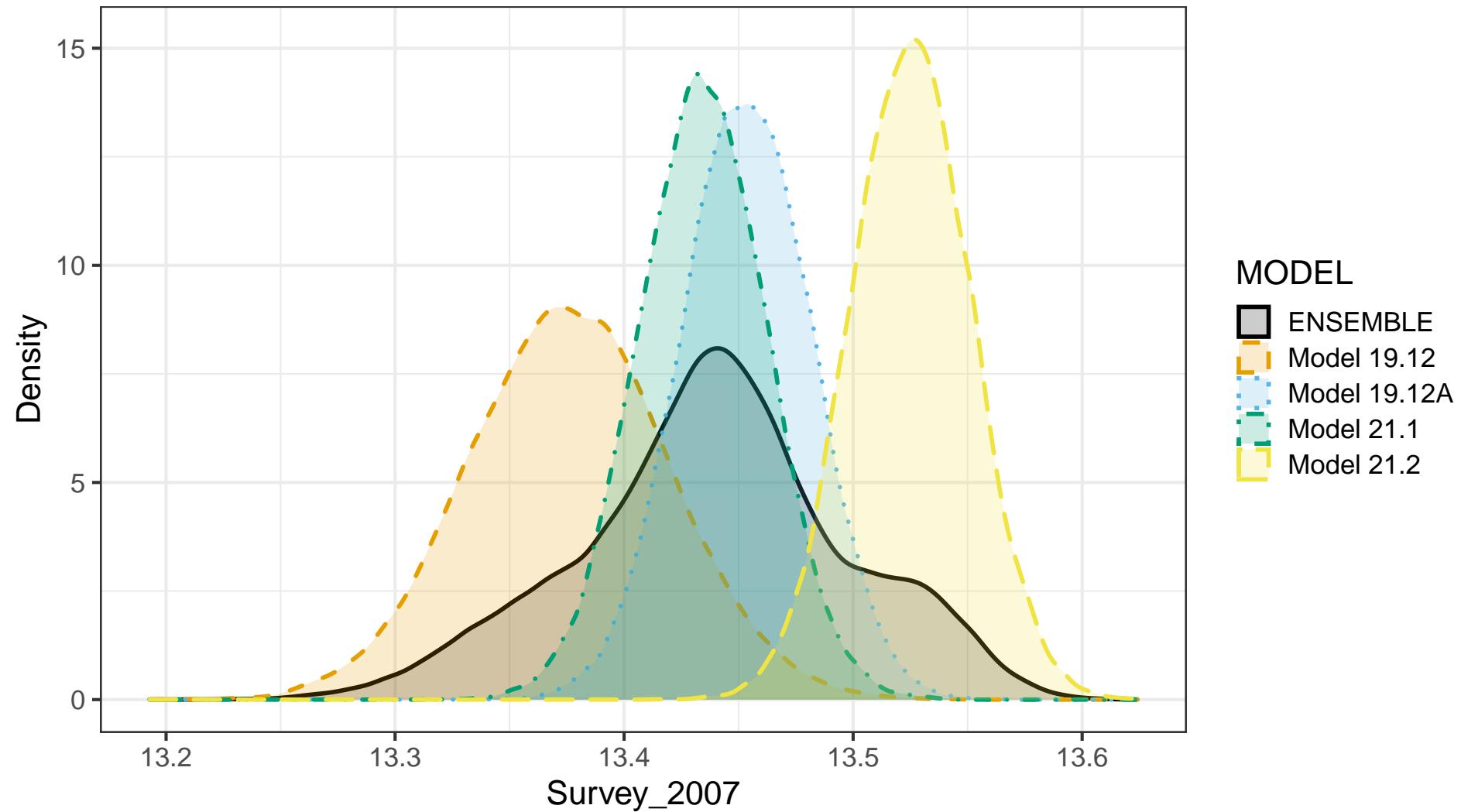
# Survey\_2005



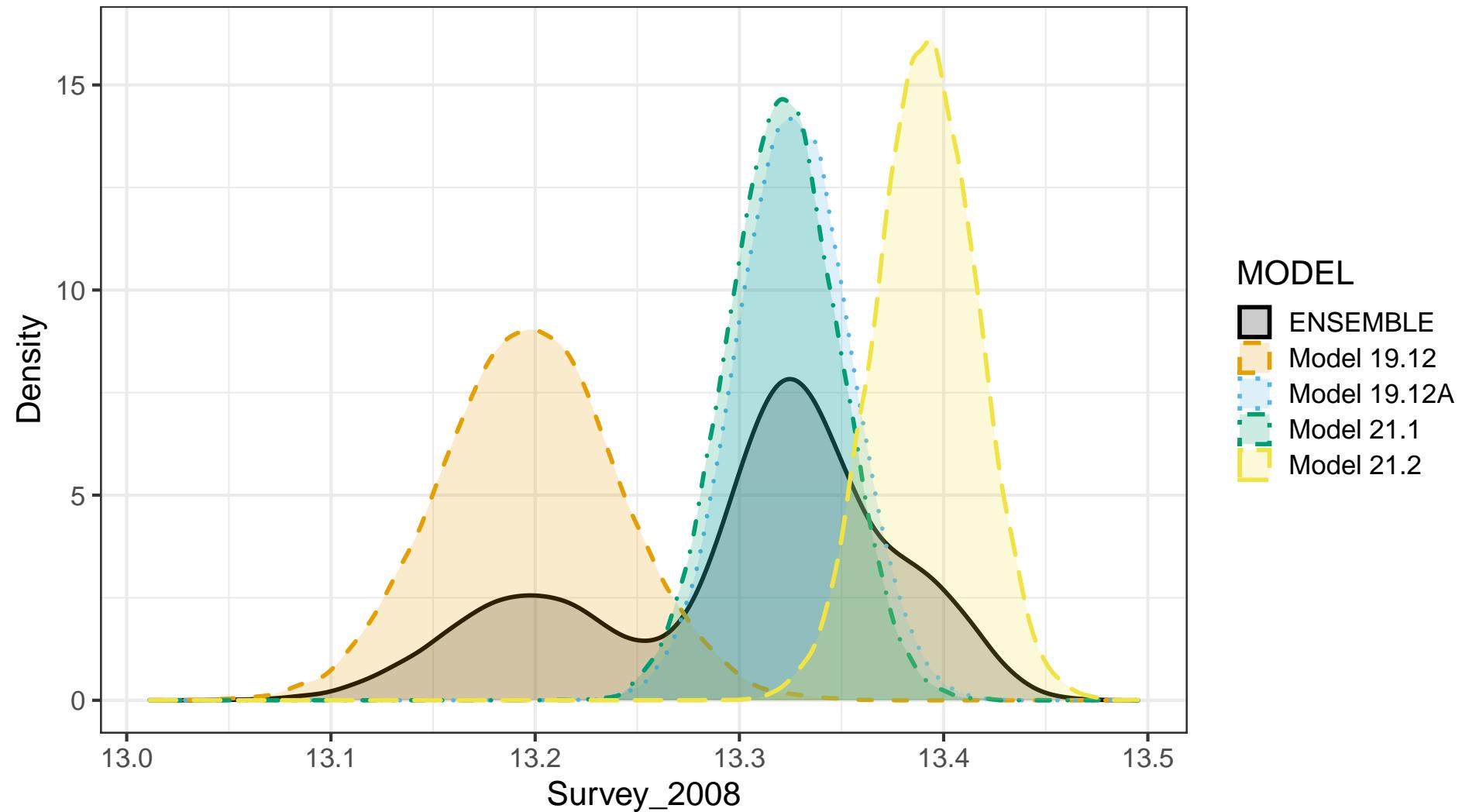
# Survey\_2006



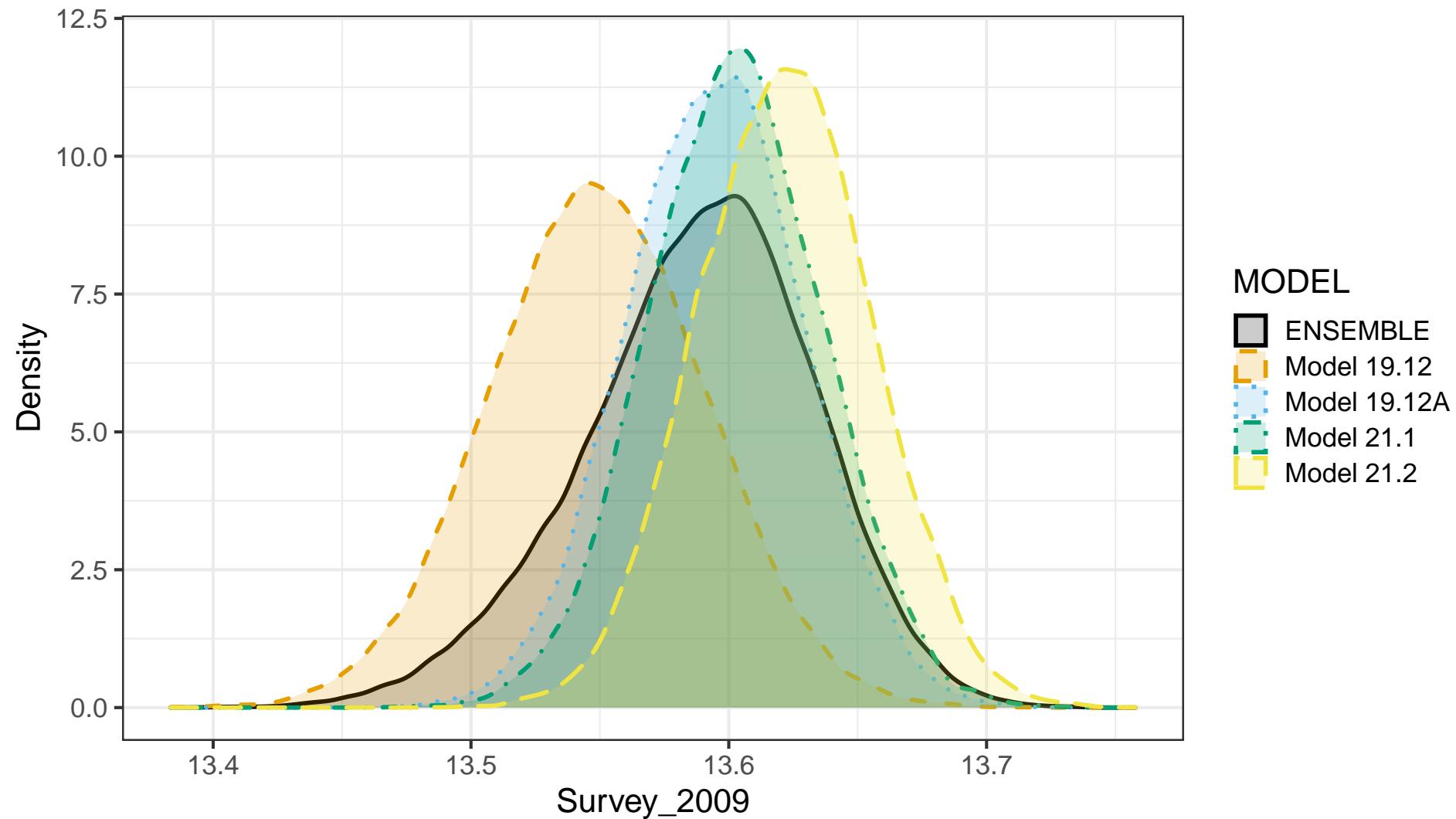
# Survey\_2007



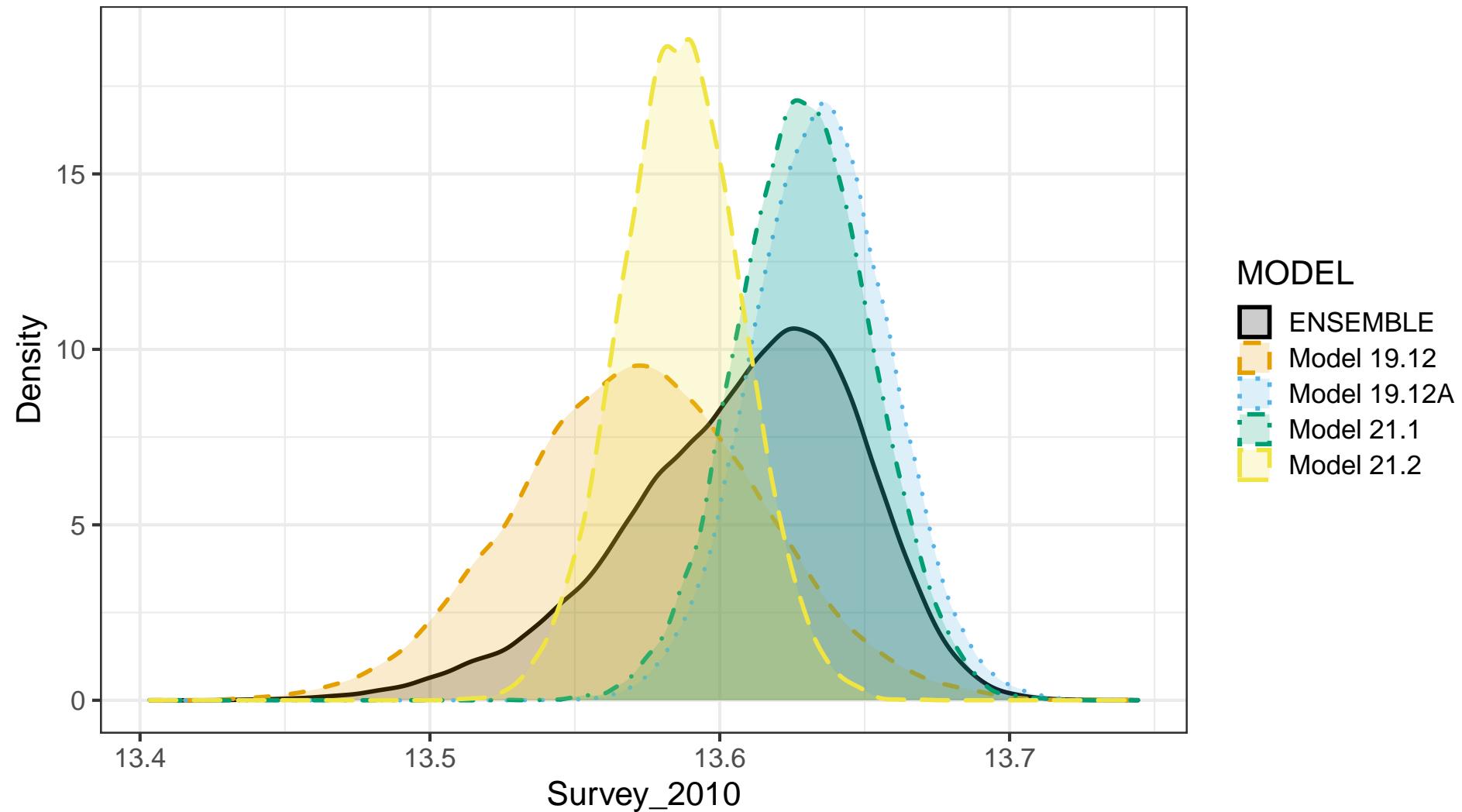
# Survey\_2008



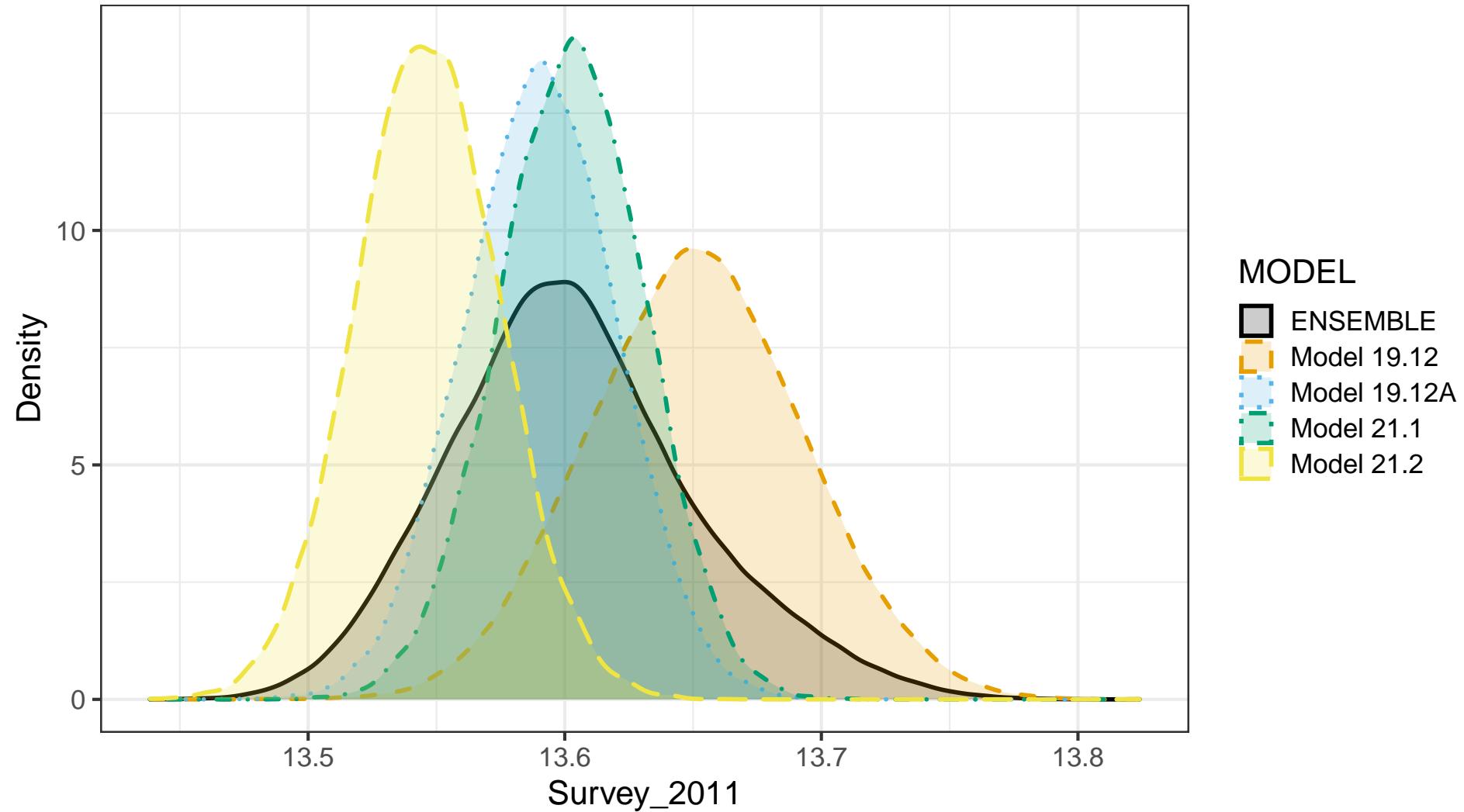
# Survey\_2009



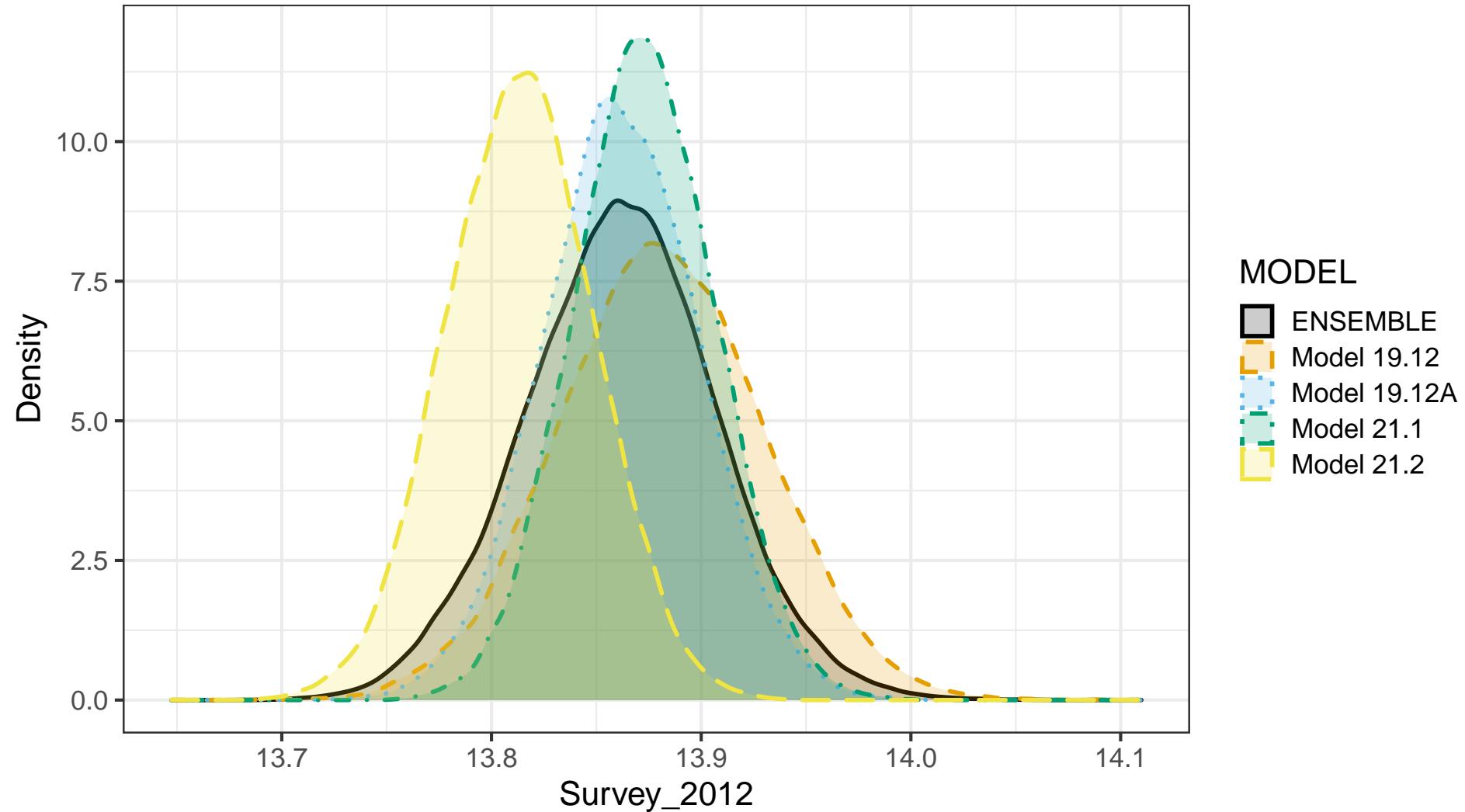
# Survey\_2010



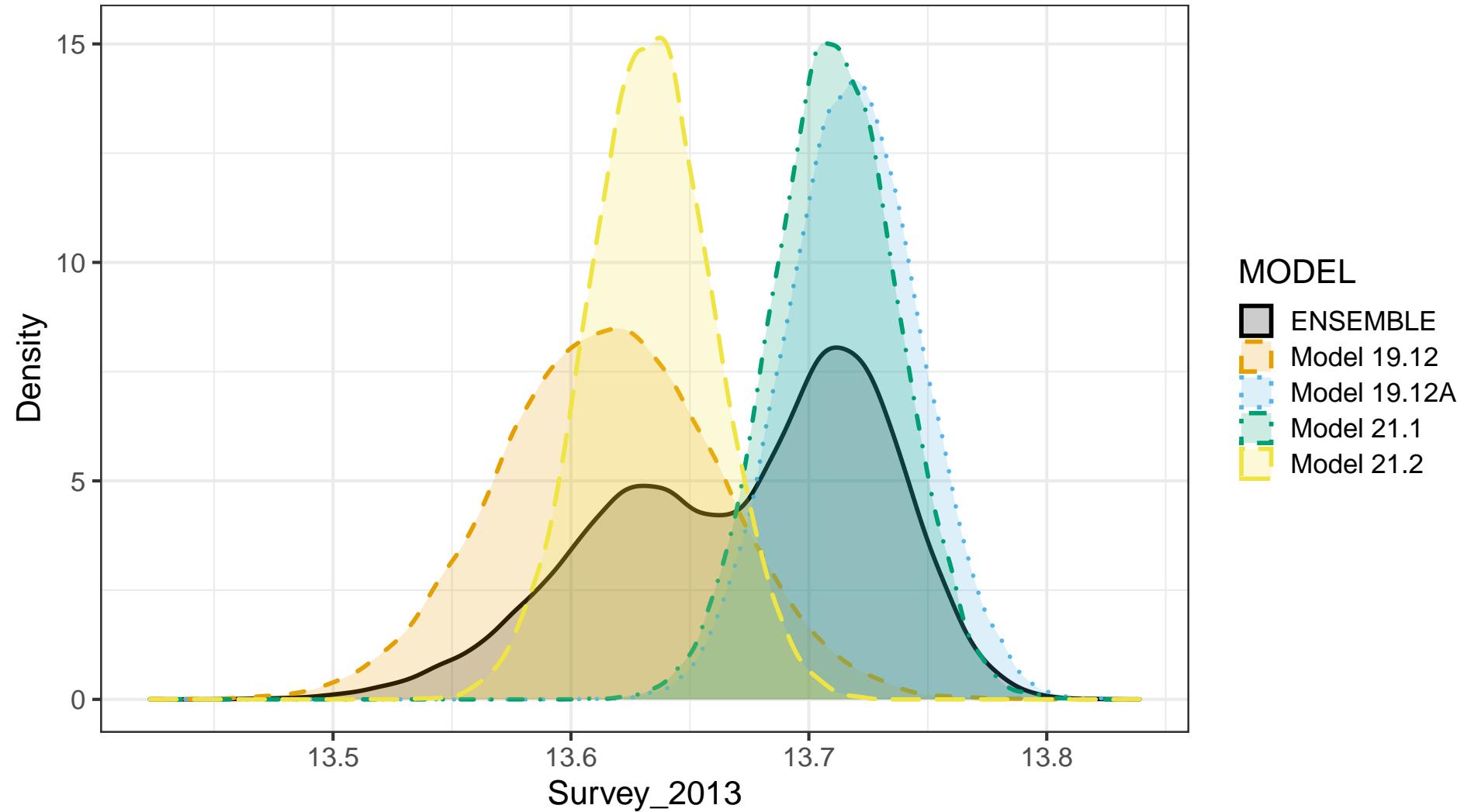
# Survey\_2011



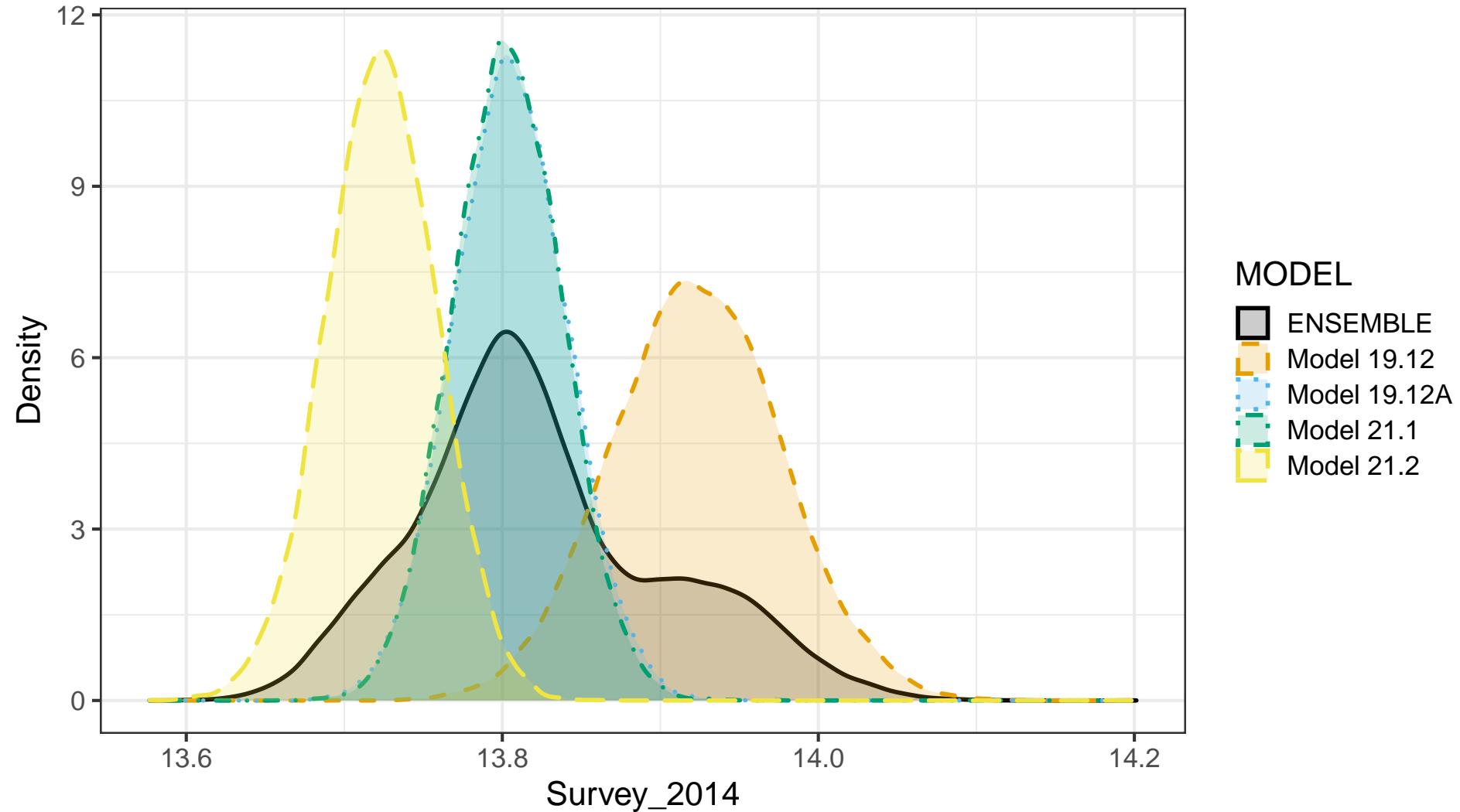
# Survey\_2012



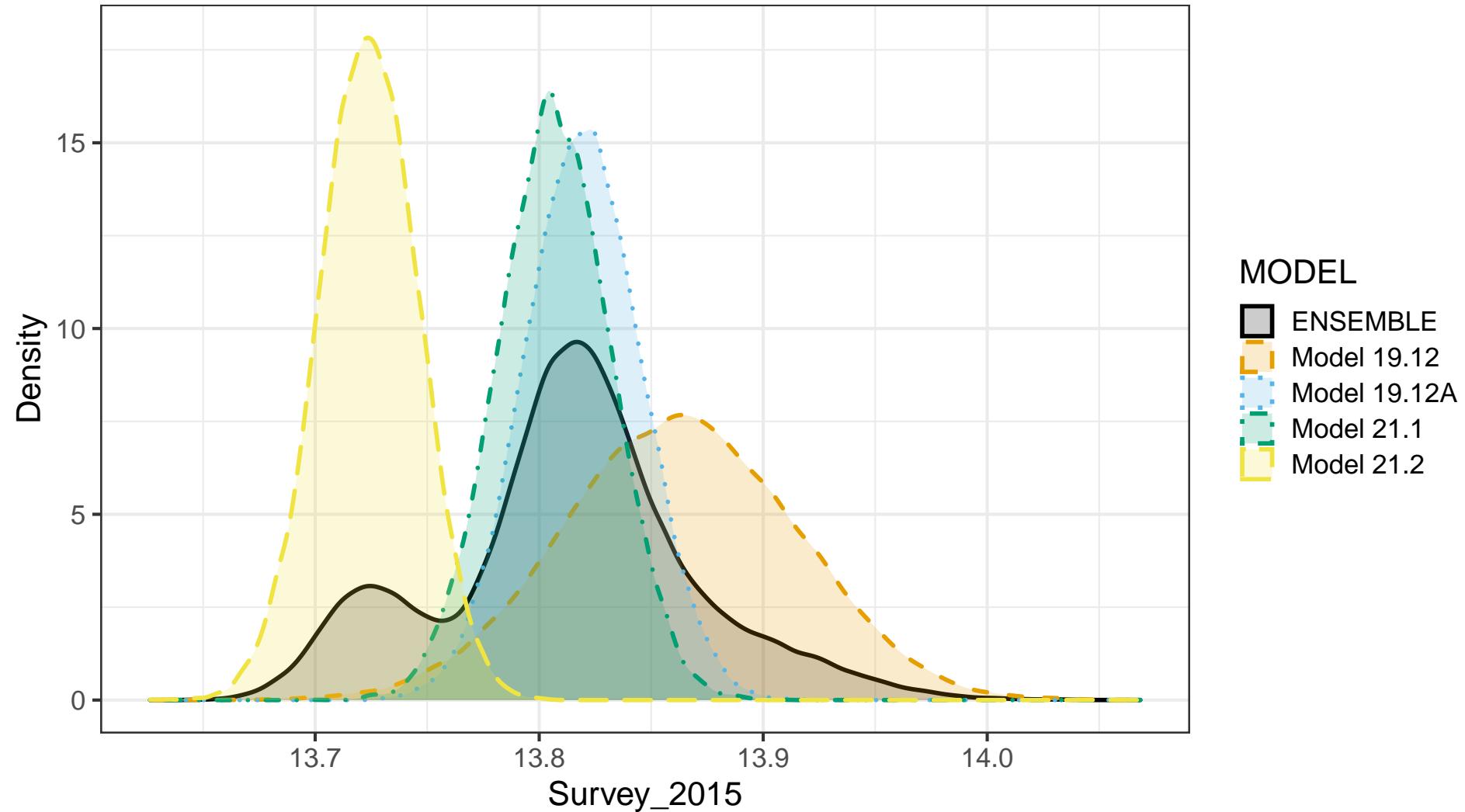
# Survey\_2013



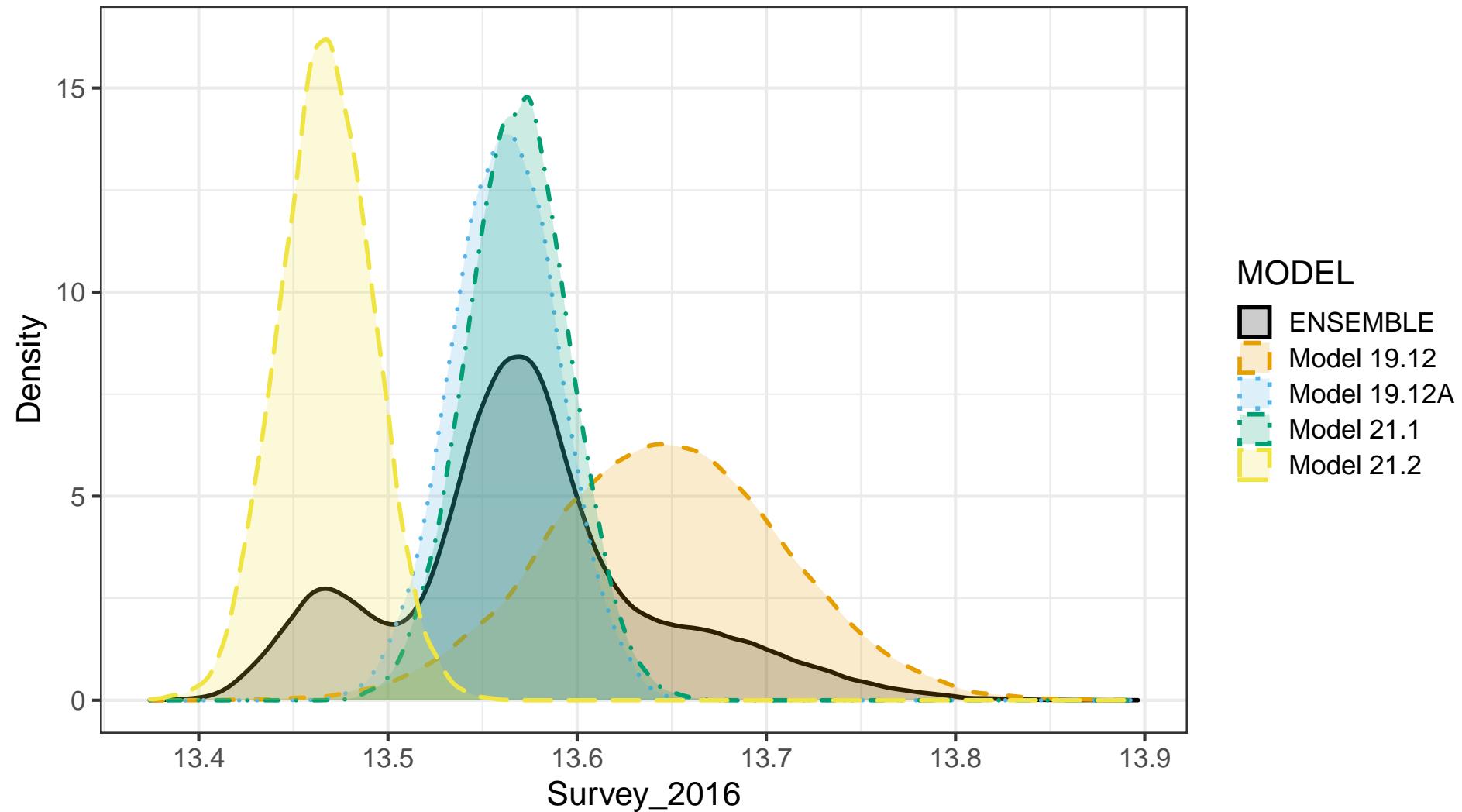
# Survey\_2014



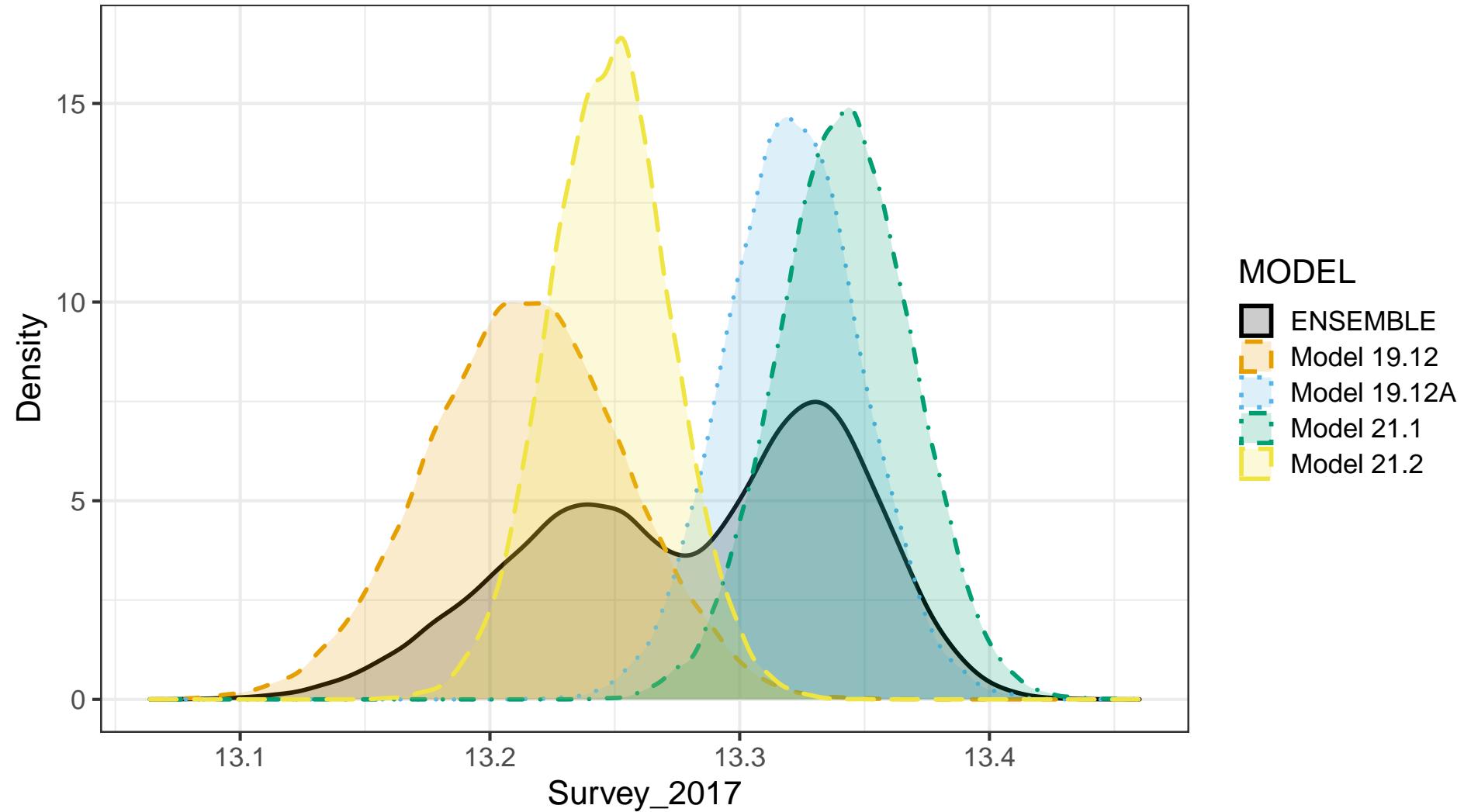
# Survey\_2015



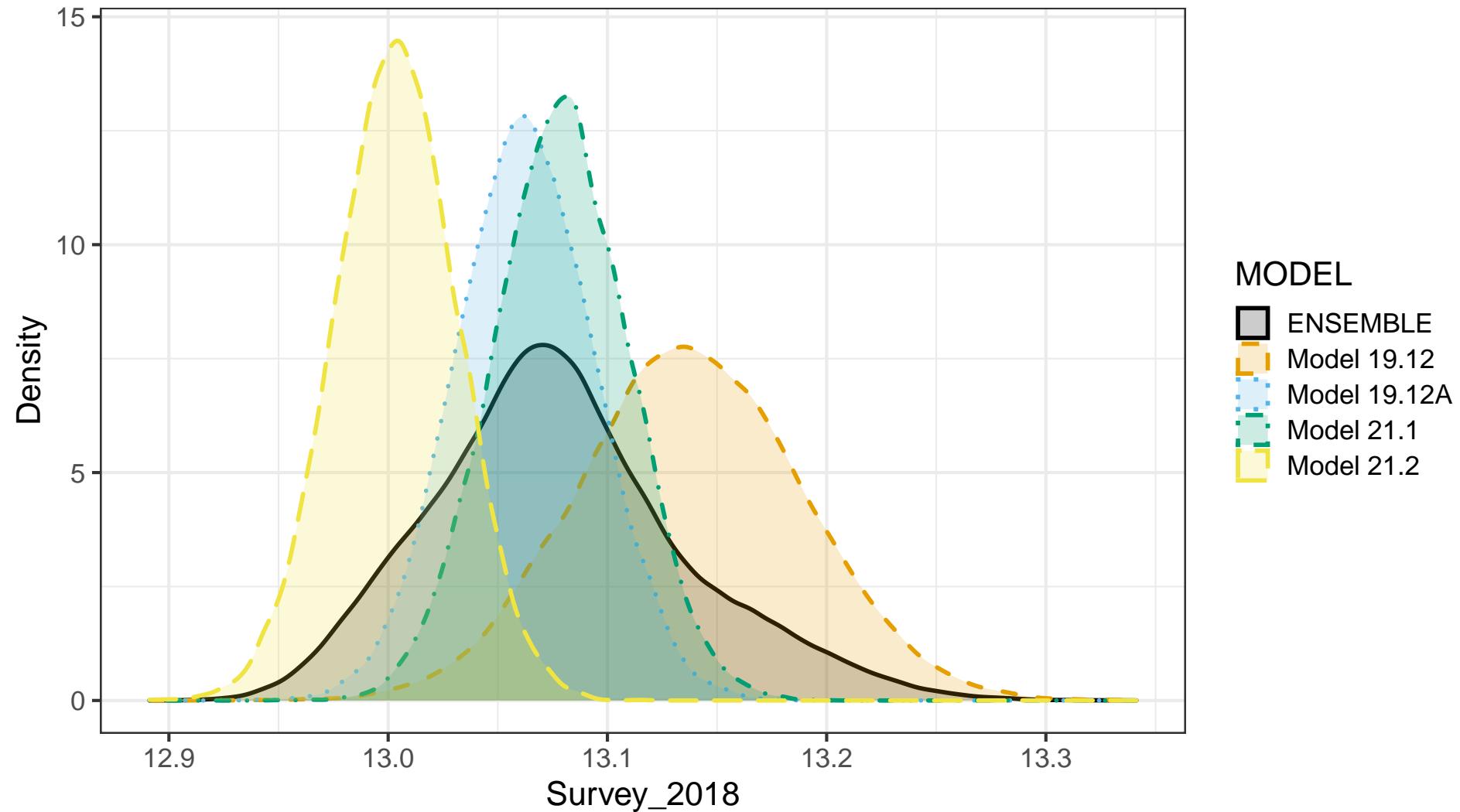
# Survey\_2016



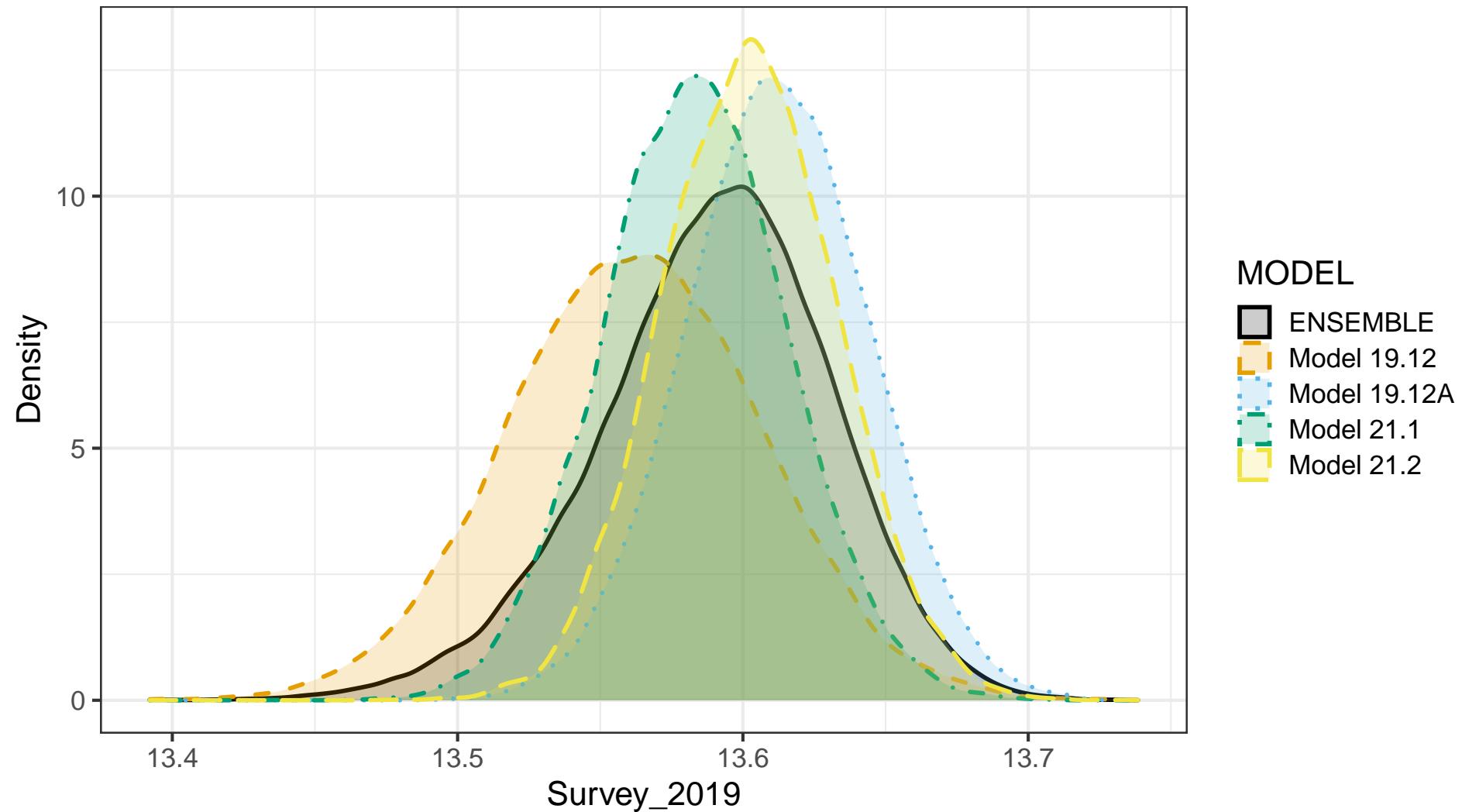
# Survey\_2017



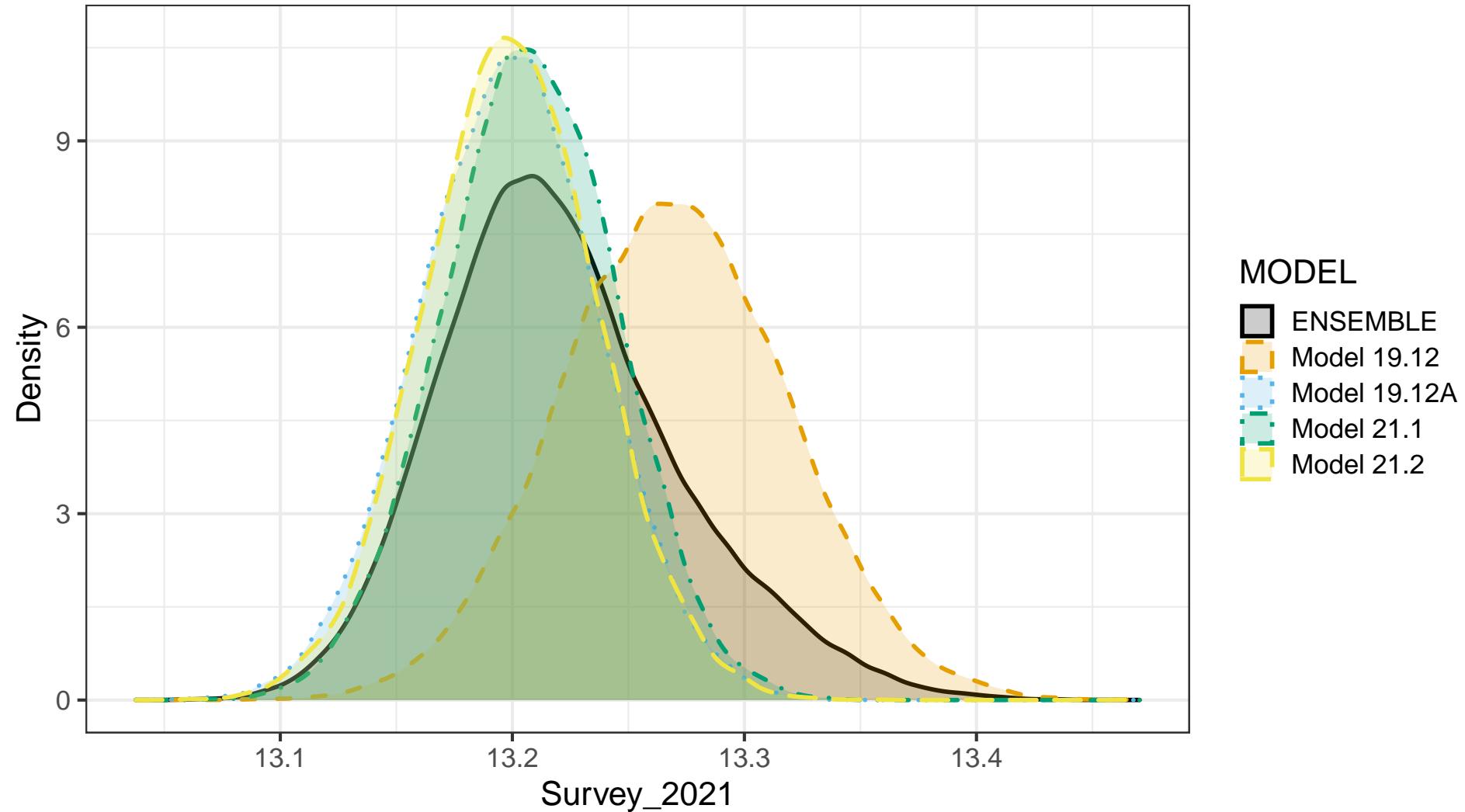
# Survey\_2018



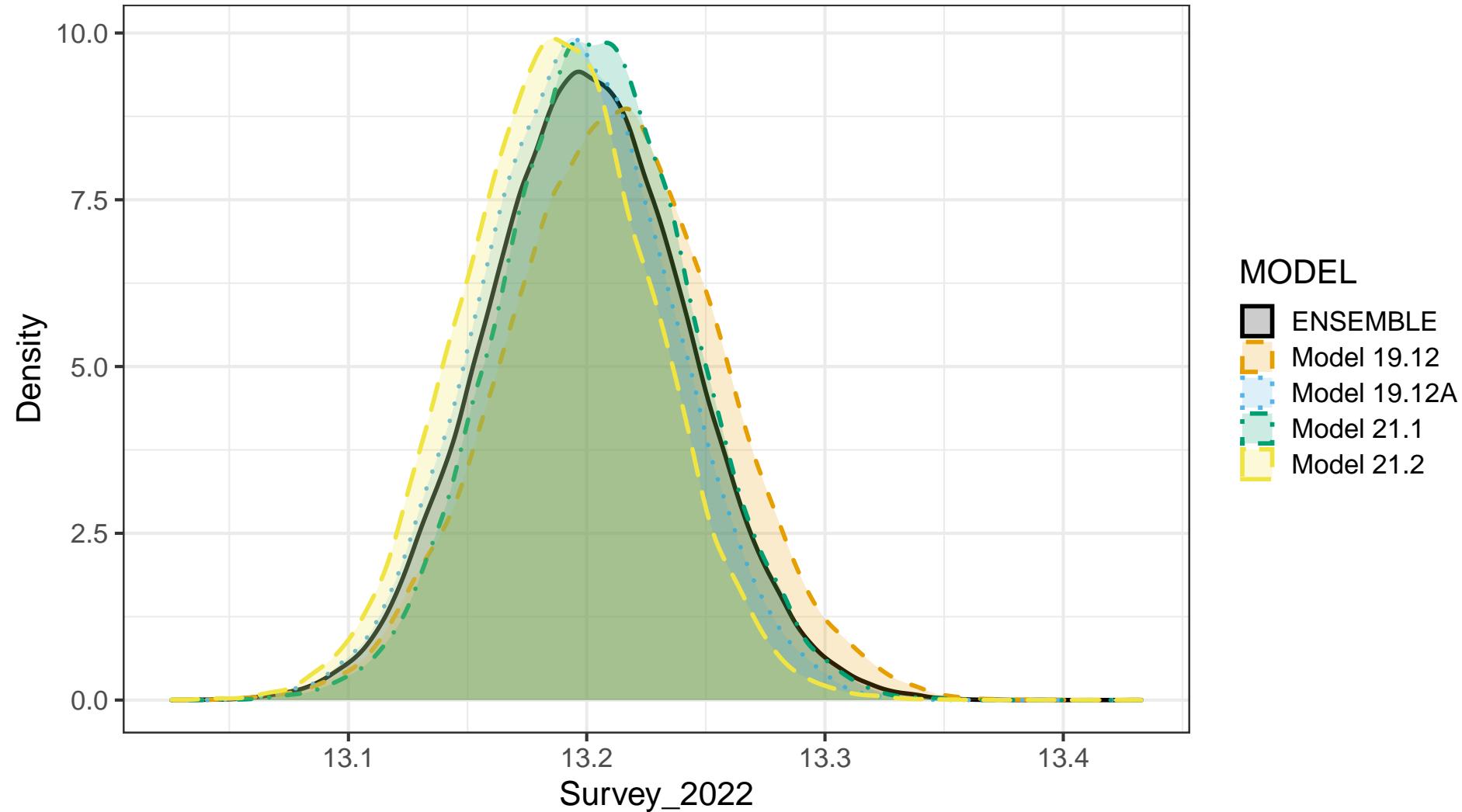
# Survey\_2019



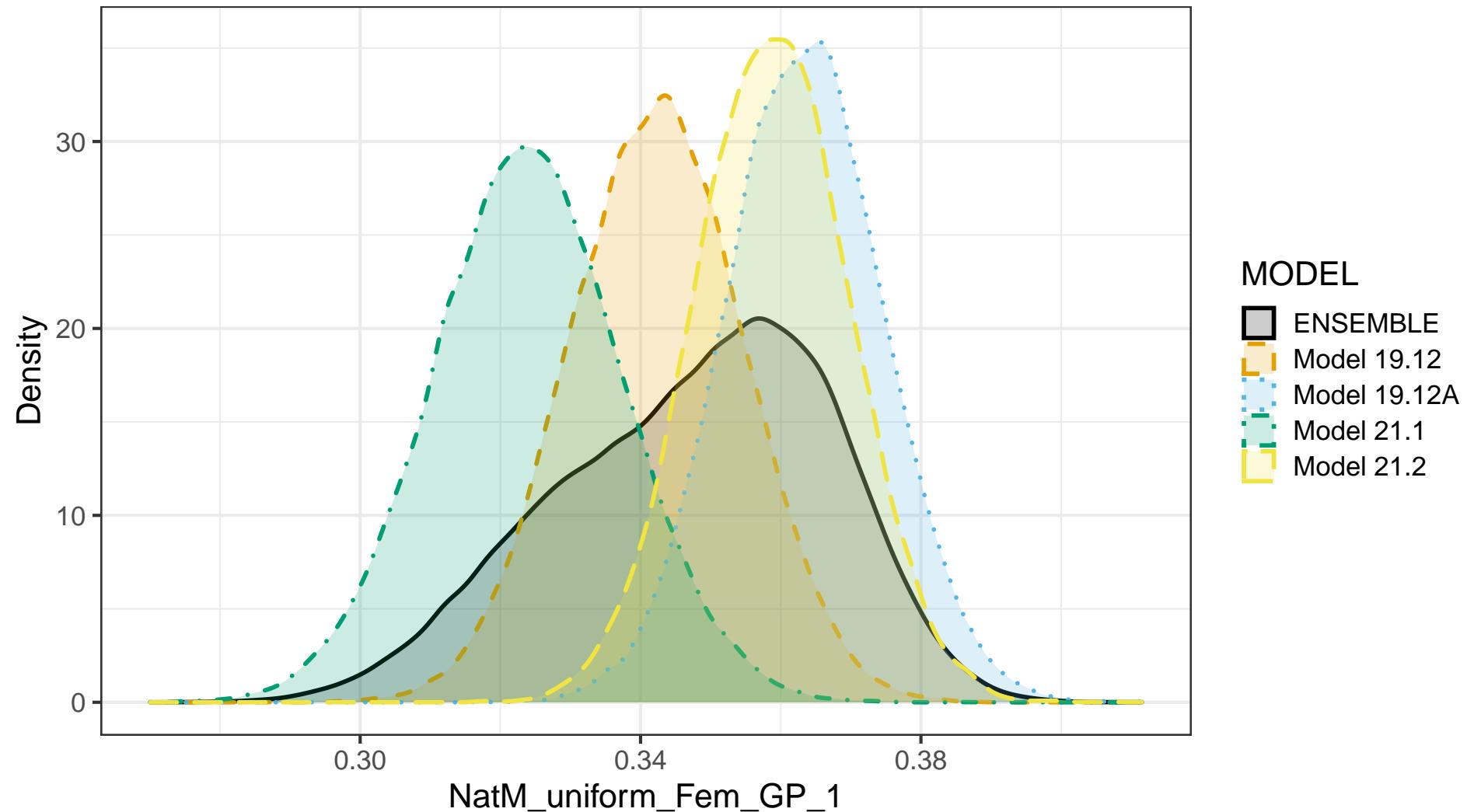
# Survey\_2021



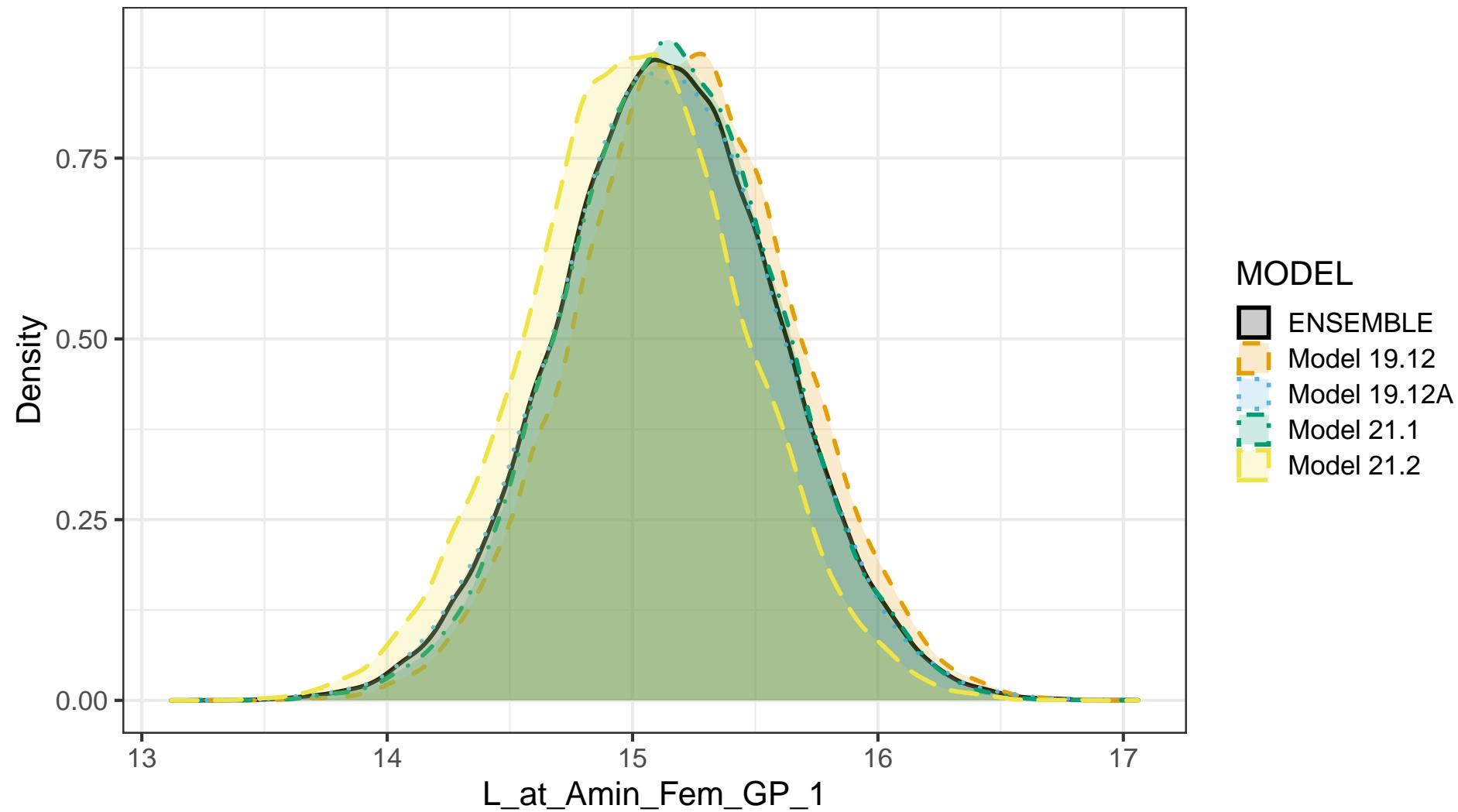
# Survey\_2022



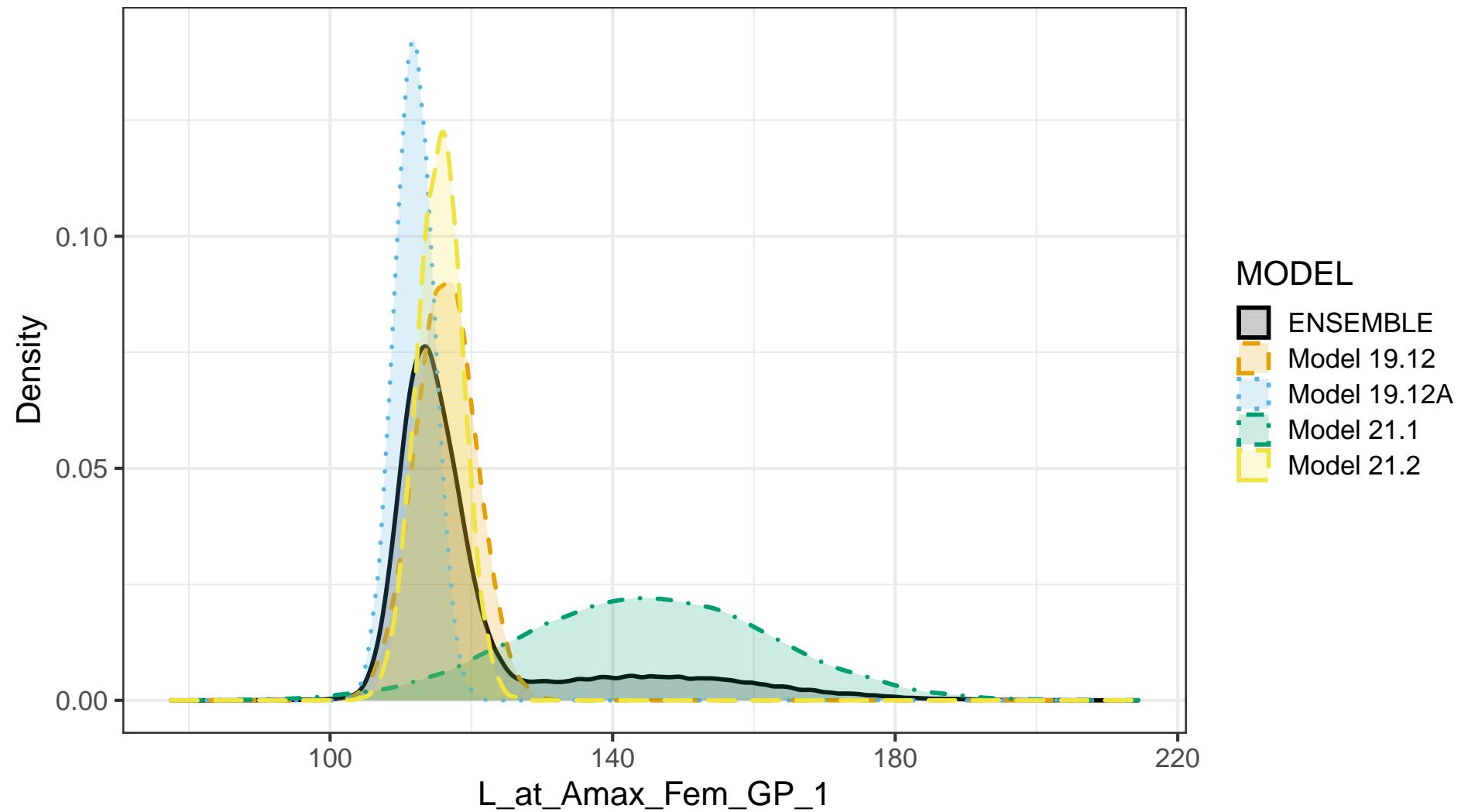
# NatM\_uniform\_Fem\_GP\_1



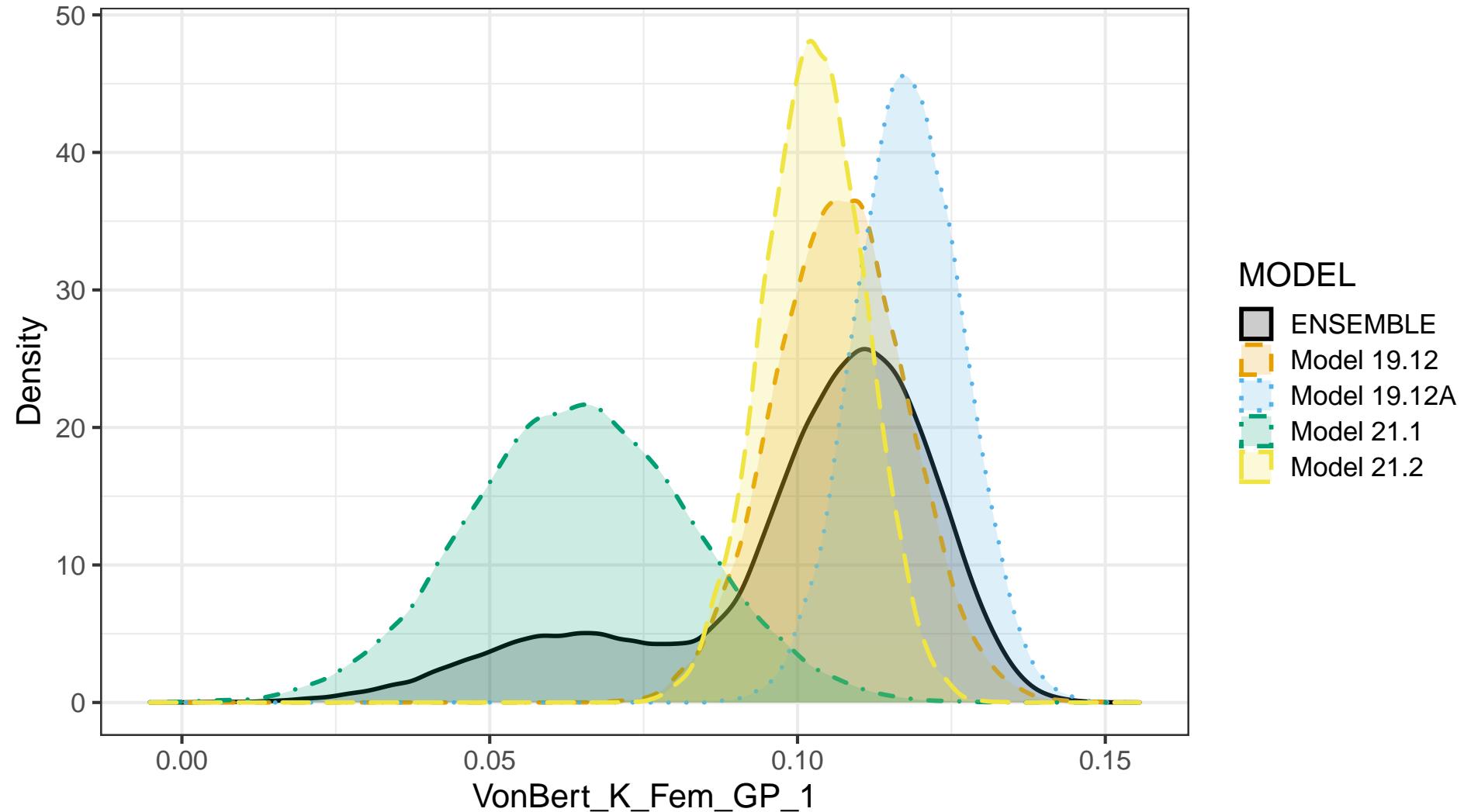
# L\_at\_Amin\_Fem\_GP\_1



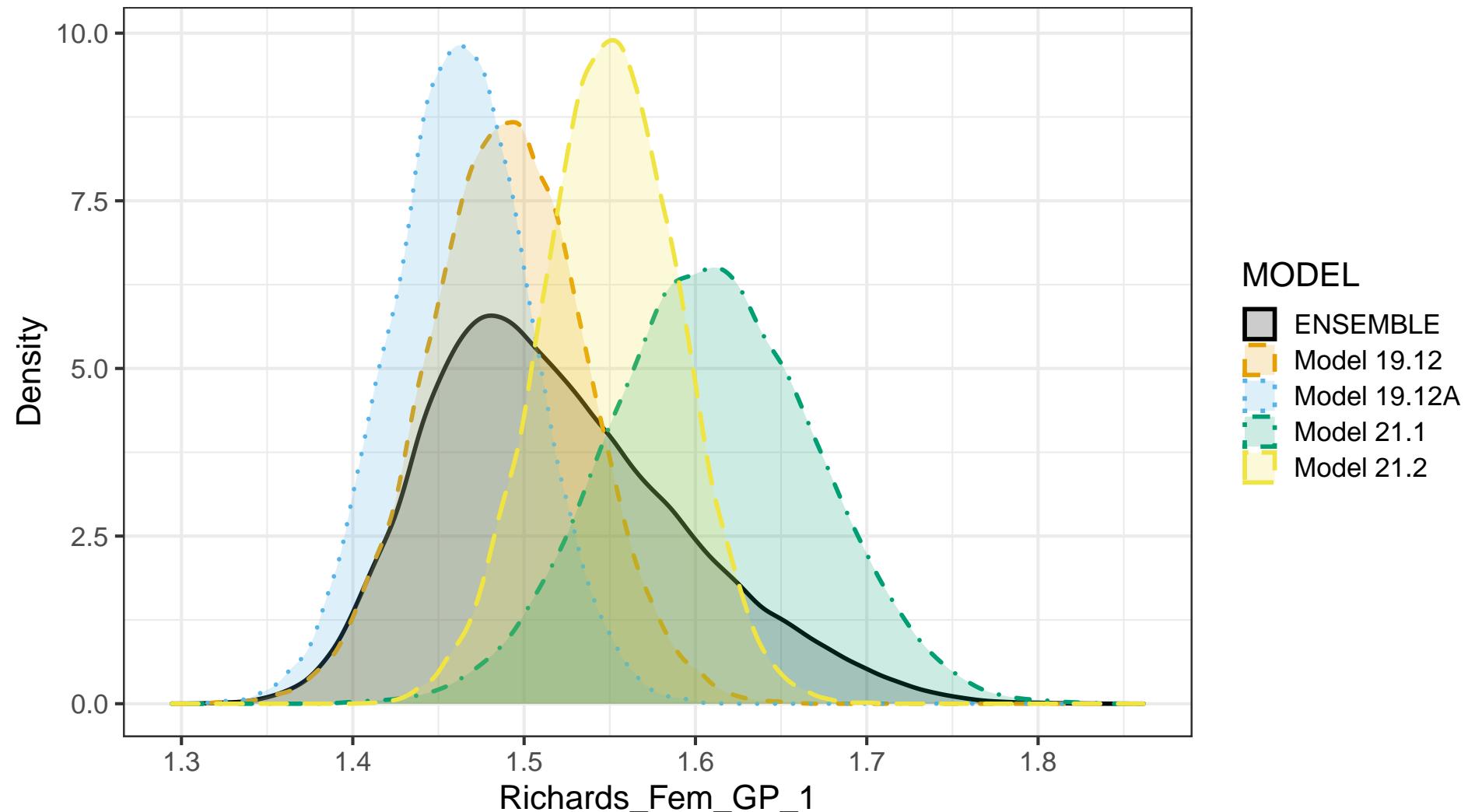
# L\_at\_Amax\_Fem\_GP\_1



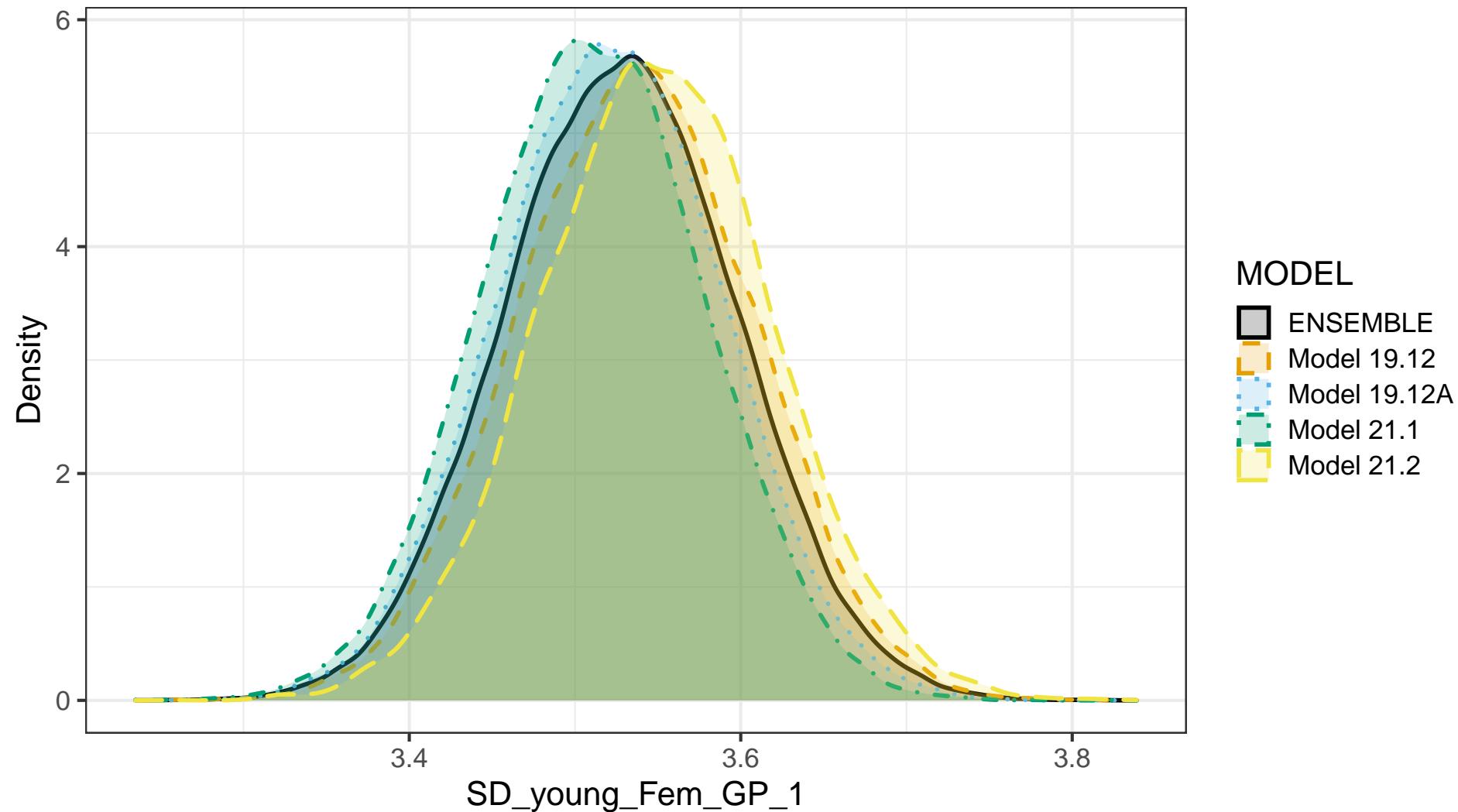
# VonBert\_K\_Fem\_GP\_1



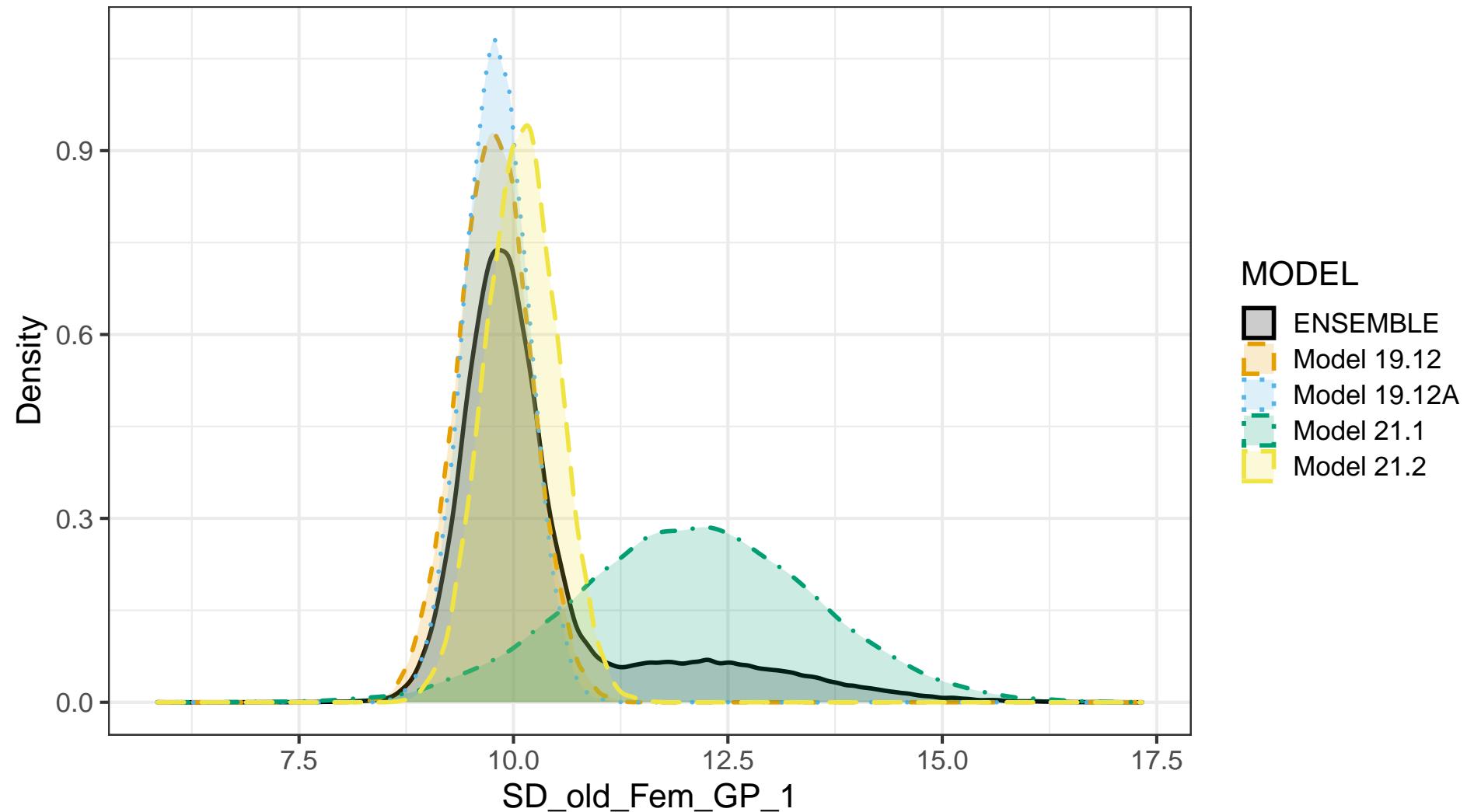
# Richards\_Fem\_GP\_1



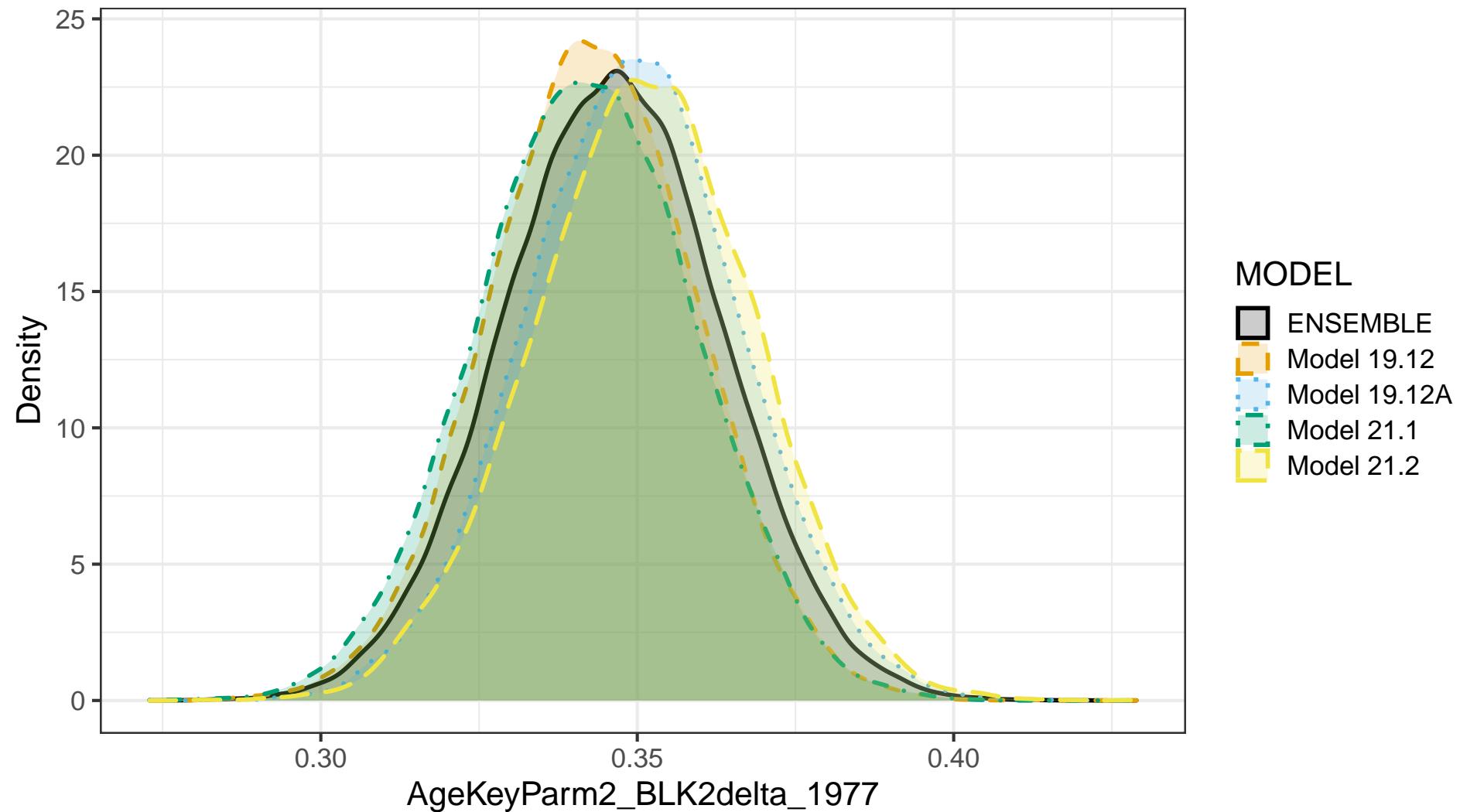
# SD\_young\_Fem\_GP\_1



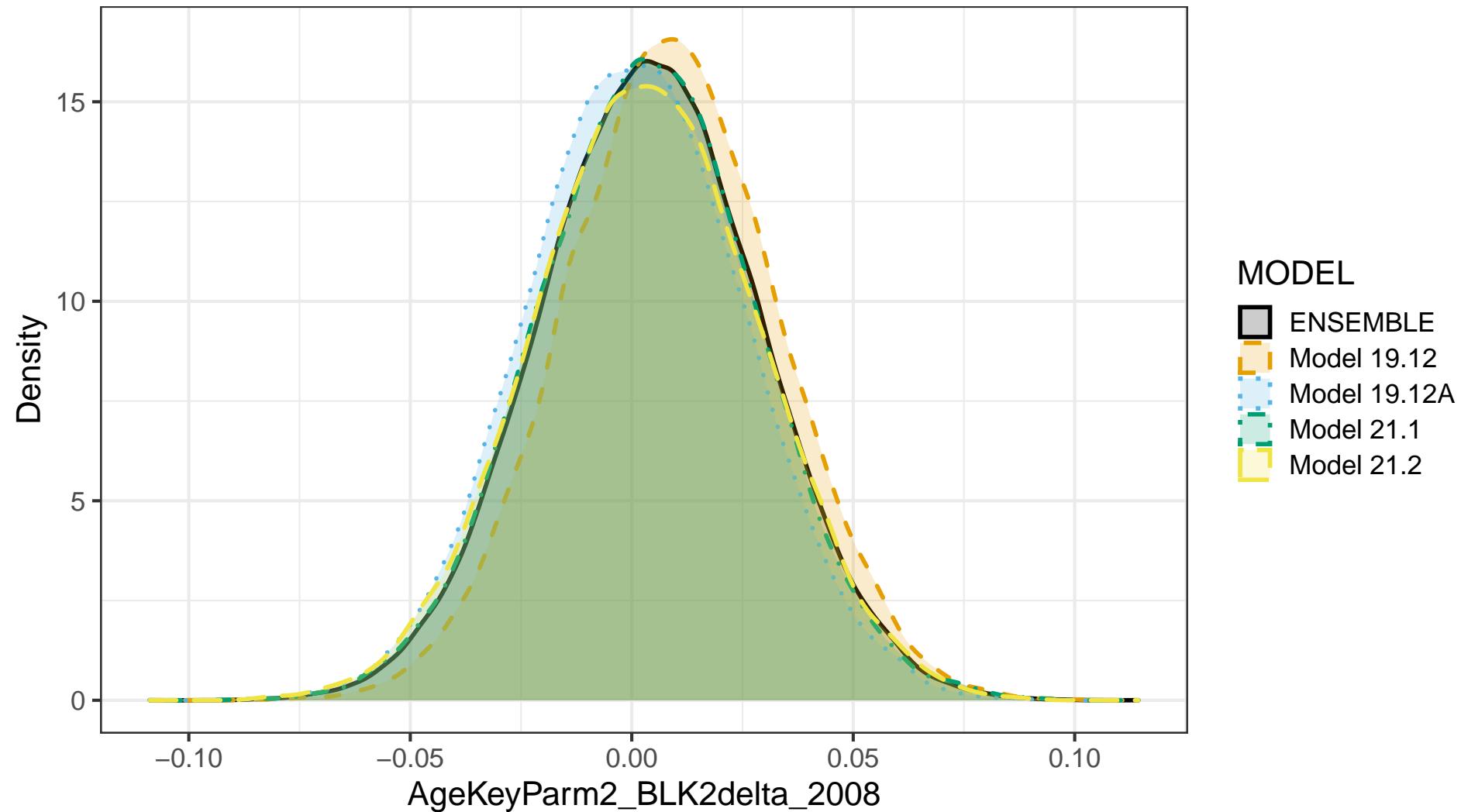
# SD\_old\_Fem\_GP\_1



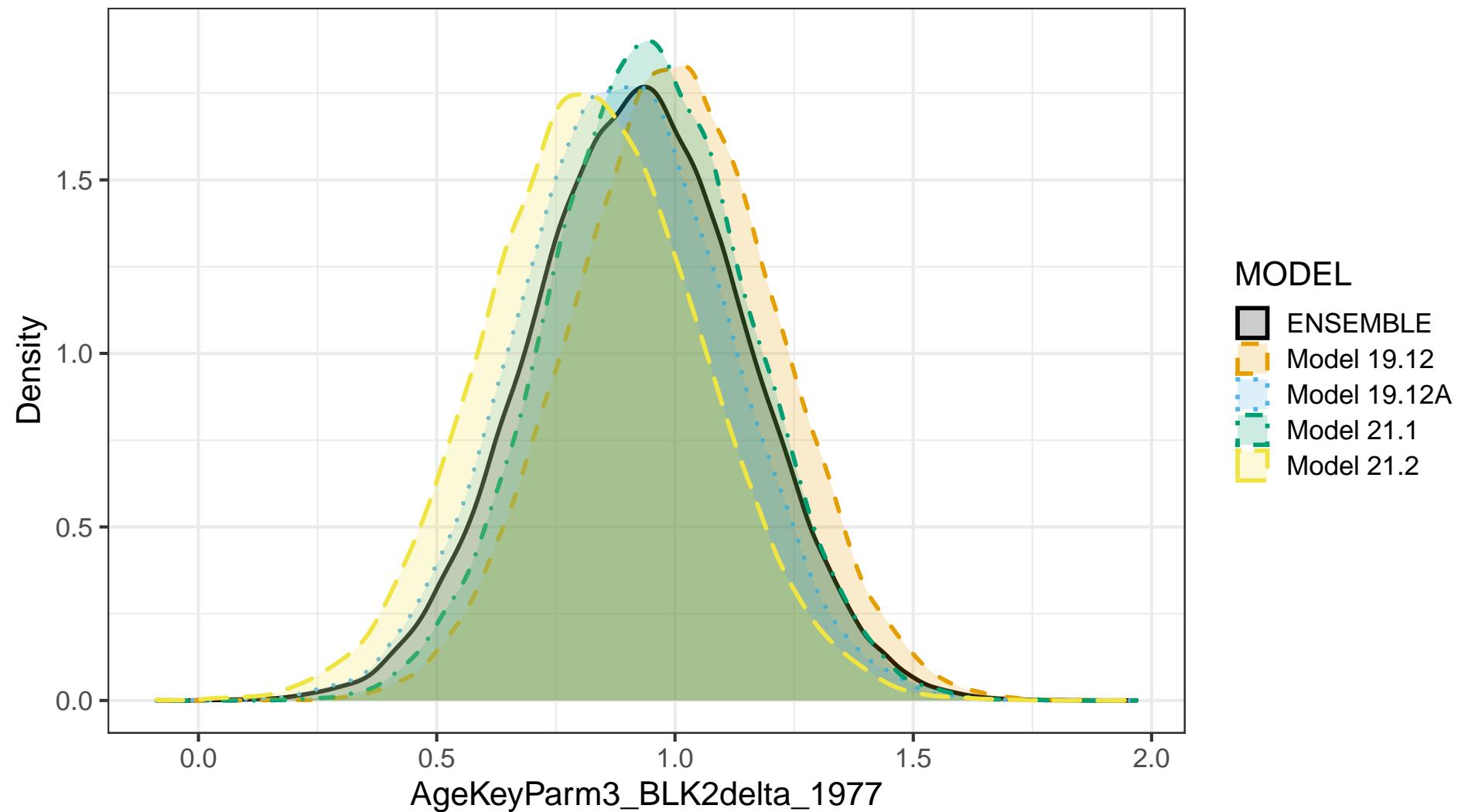
# AgeKeyParm2\_BLK2delta\_1977



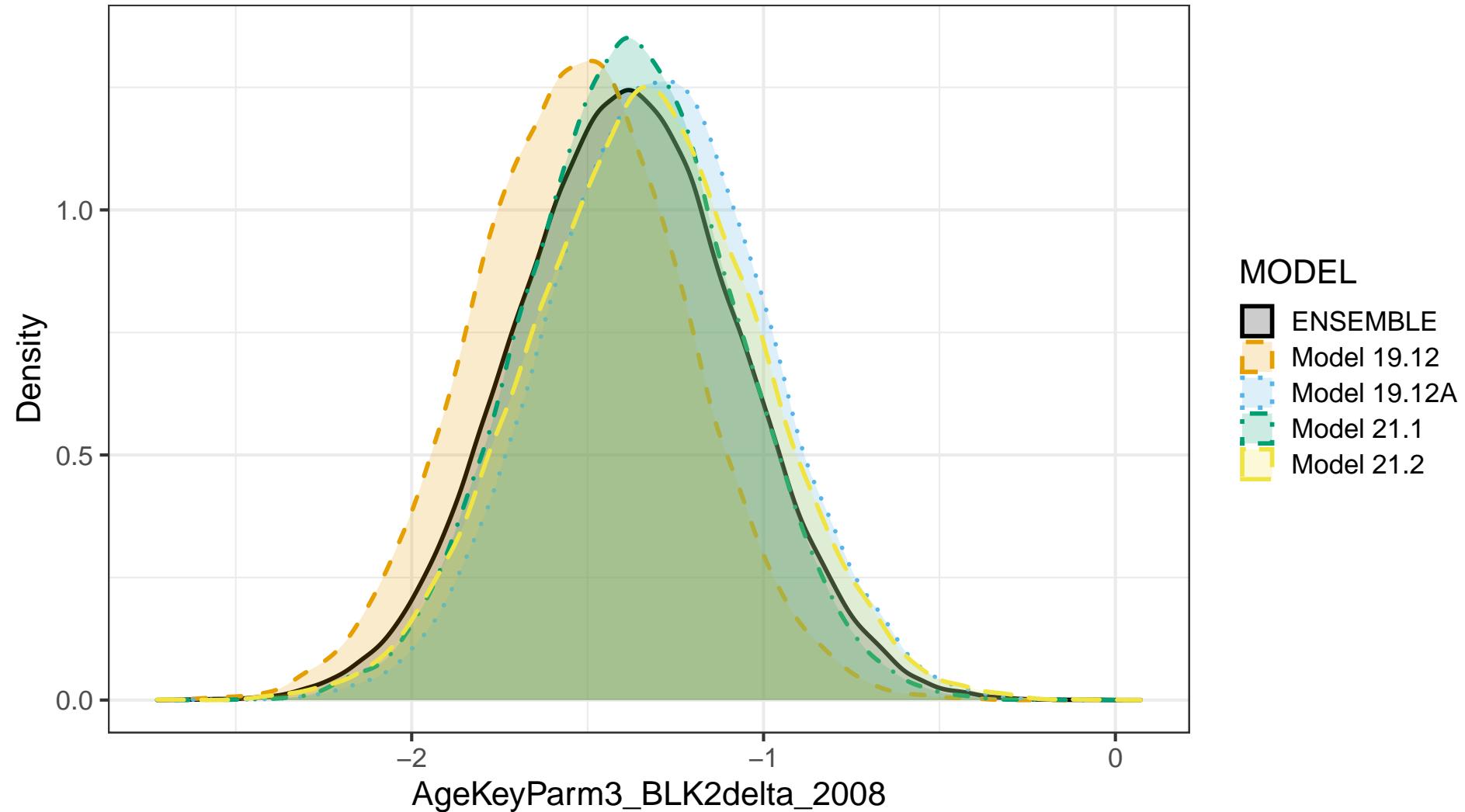
# AgeKeyParm2\_BLK2delta\_2008



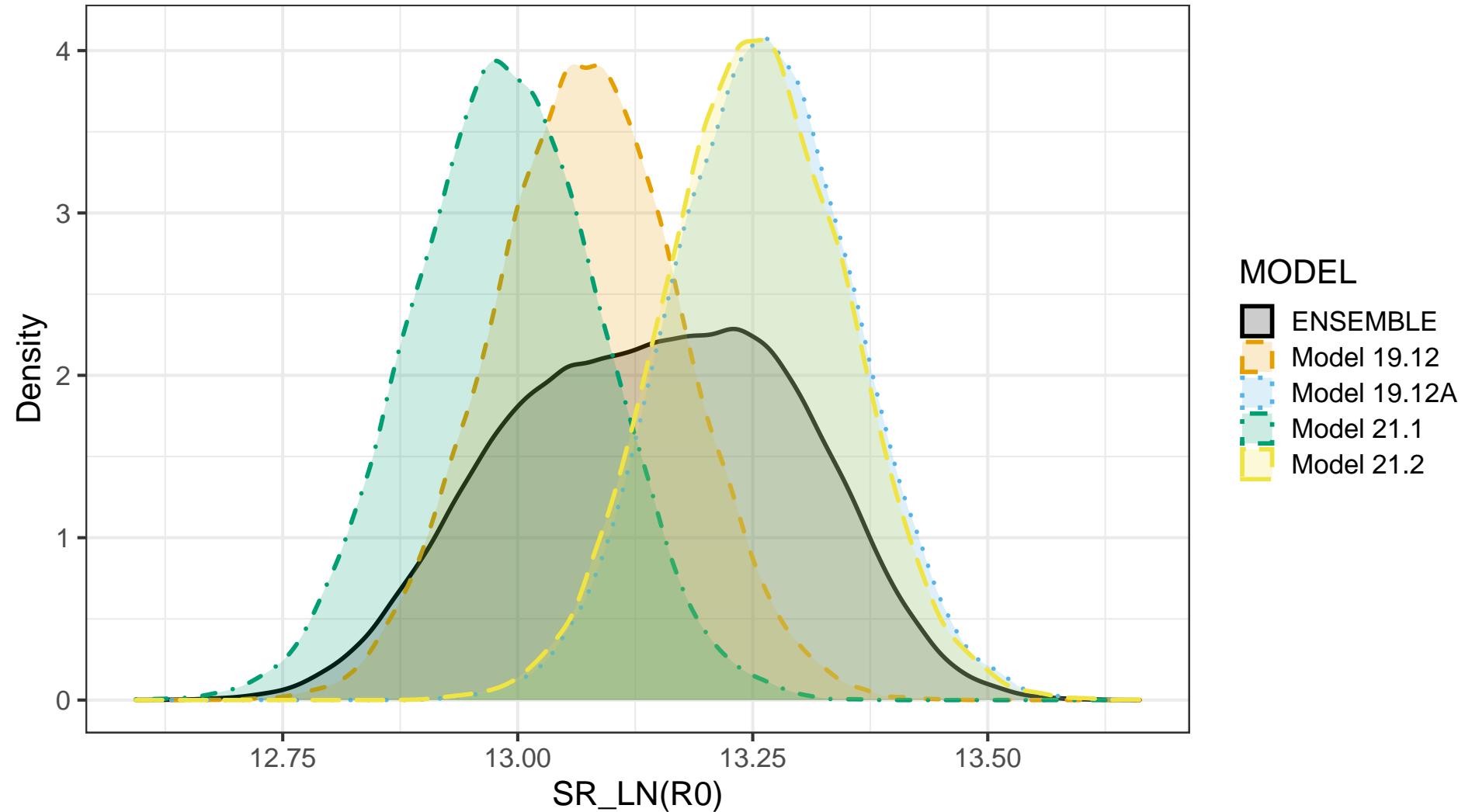
# AgeKeyParm3\_BLK2delta\_1977



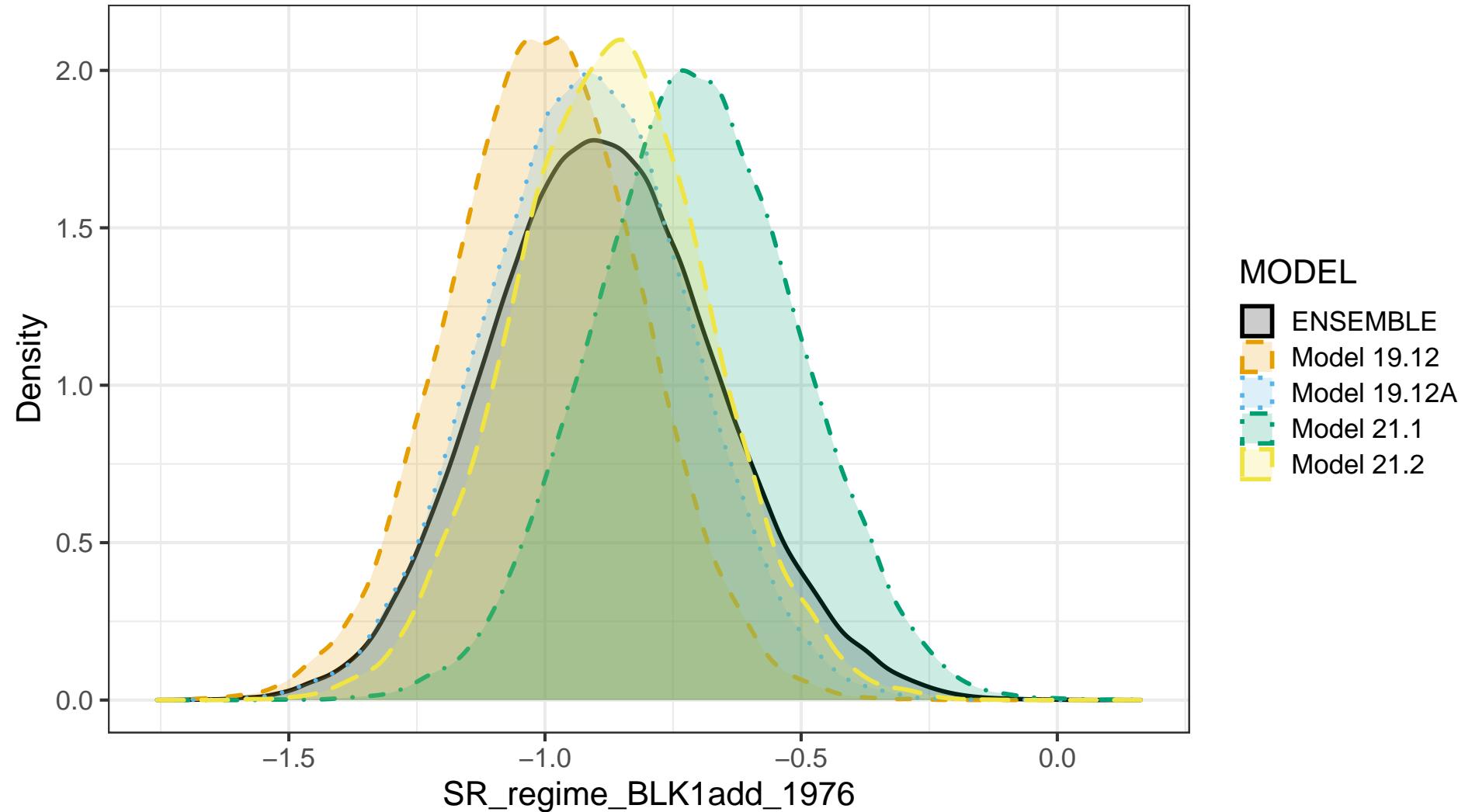
# AgeKeyParm3\_BLK2delta\_2008



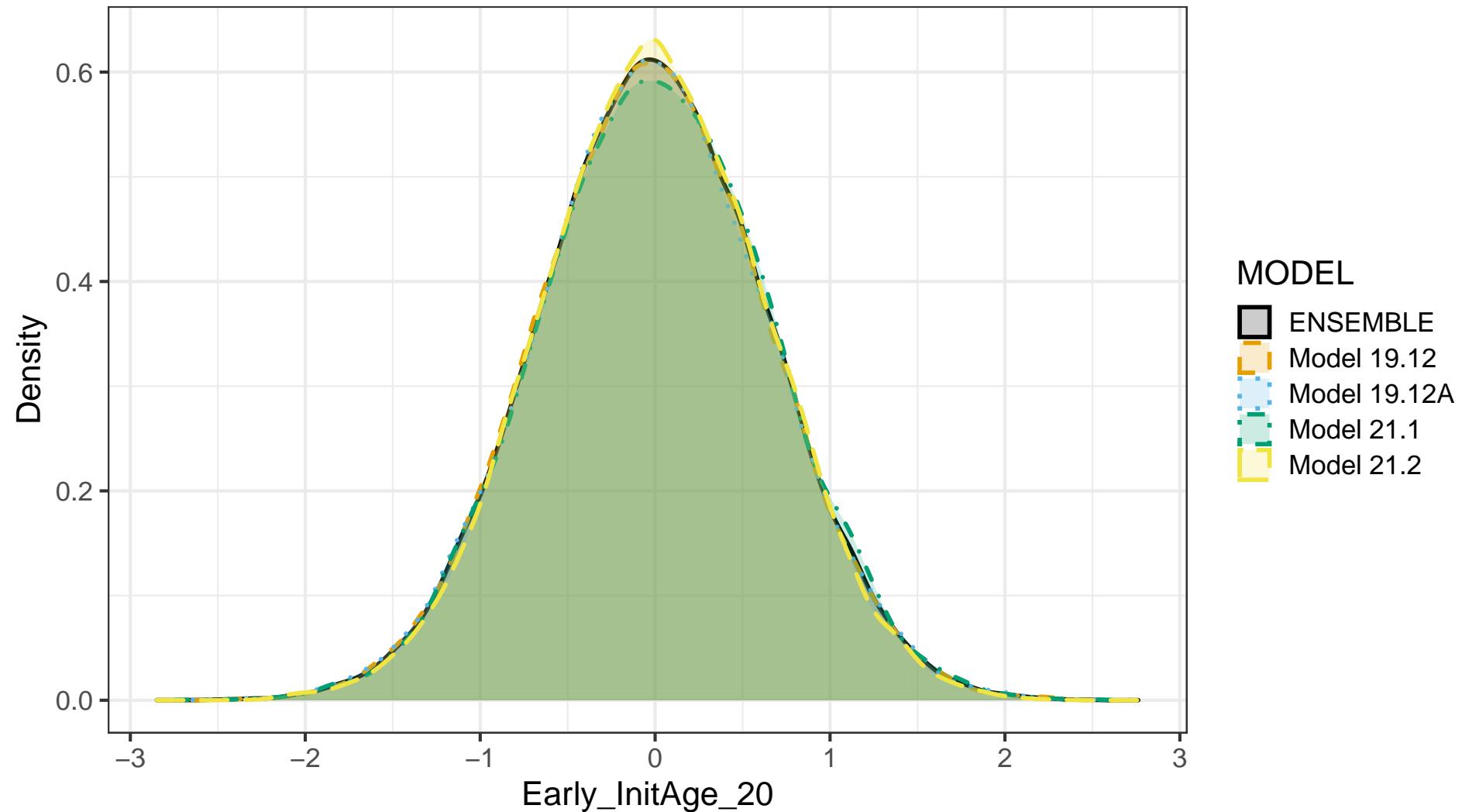
# SR\_LN(R0)



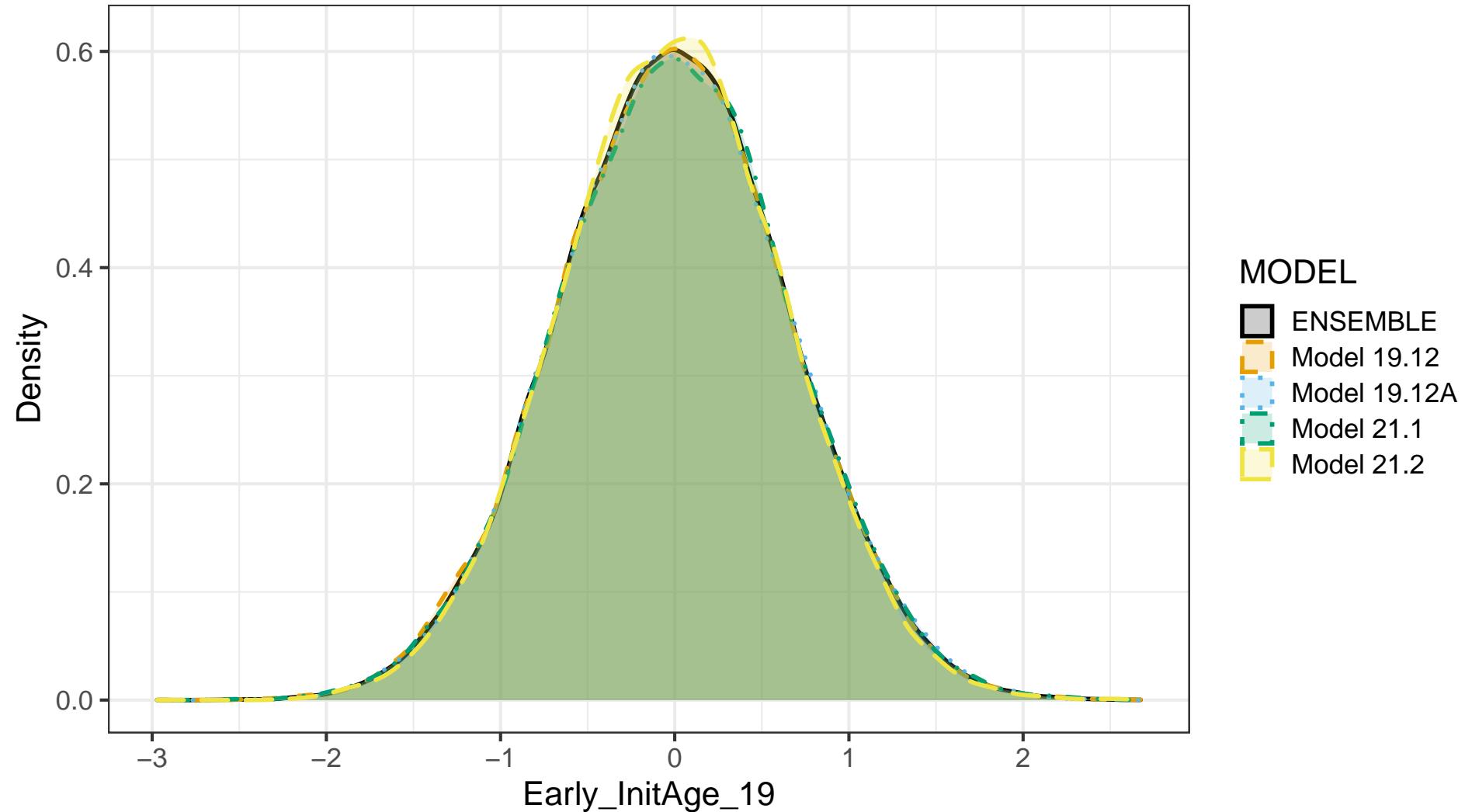
# SR\_regime\_BLK1add\_1976



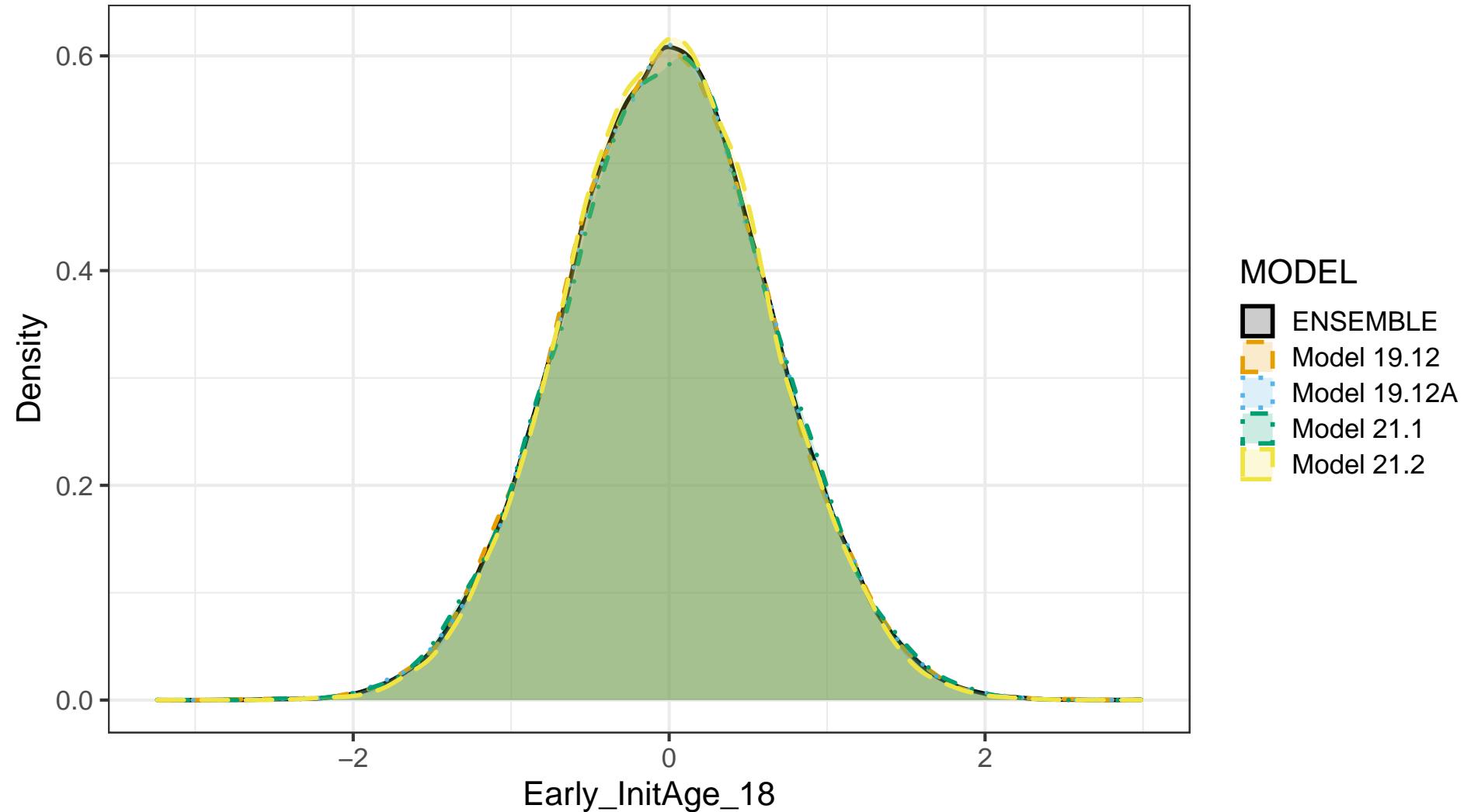
# Early\_InitAge\_20



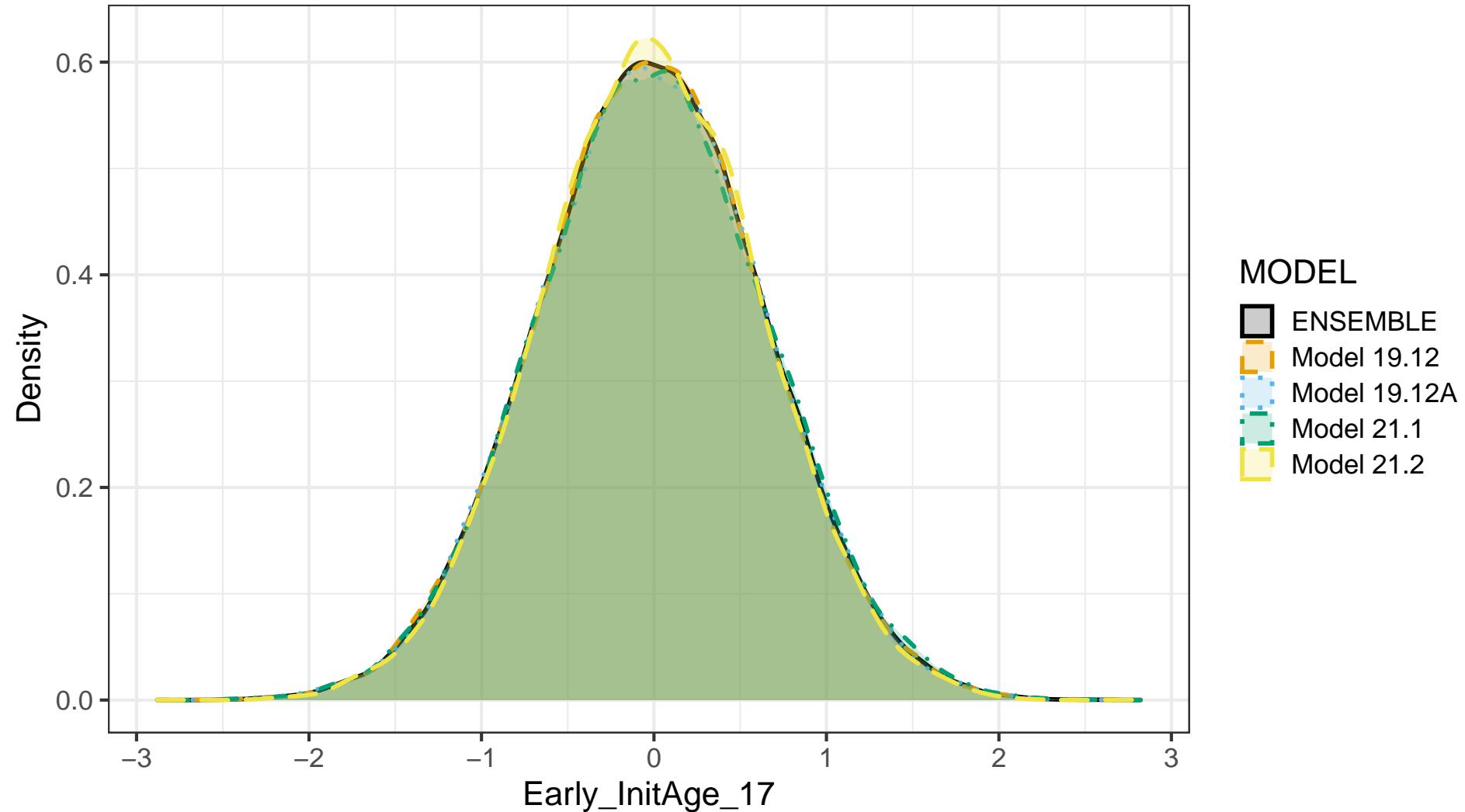
# Early\_InitAge\_19



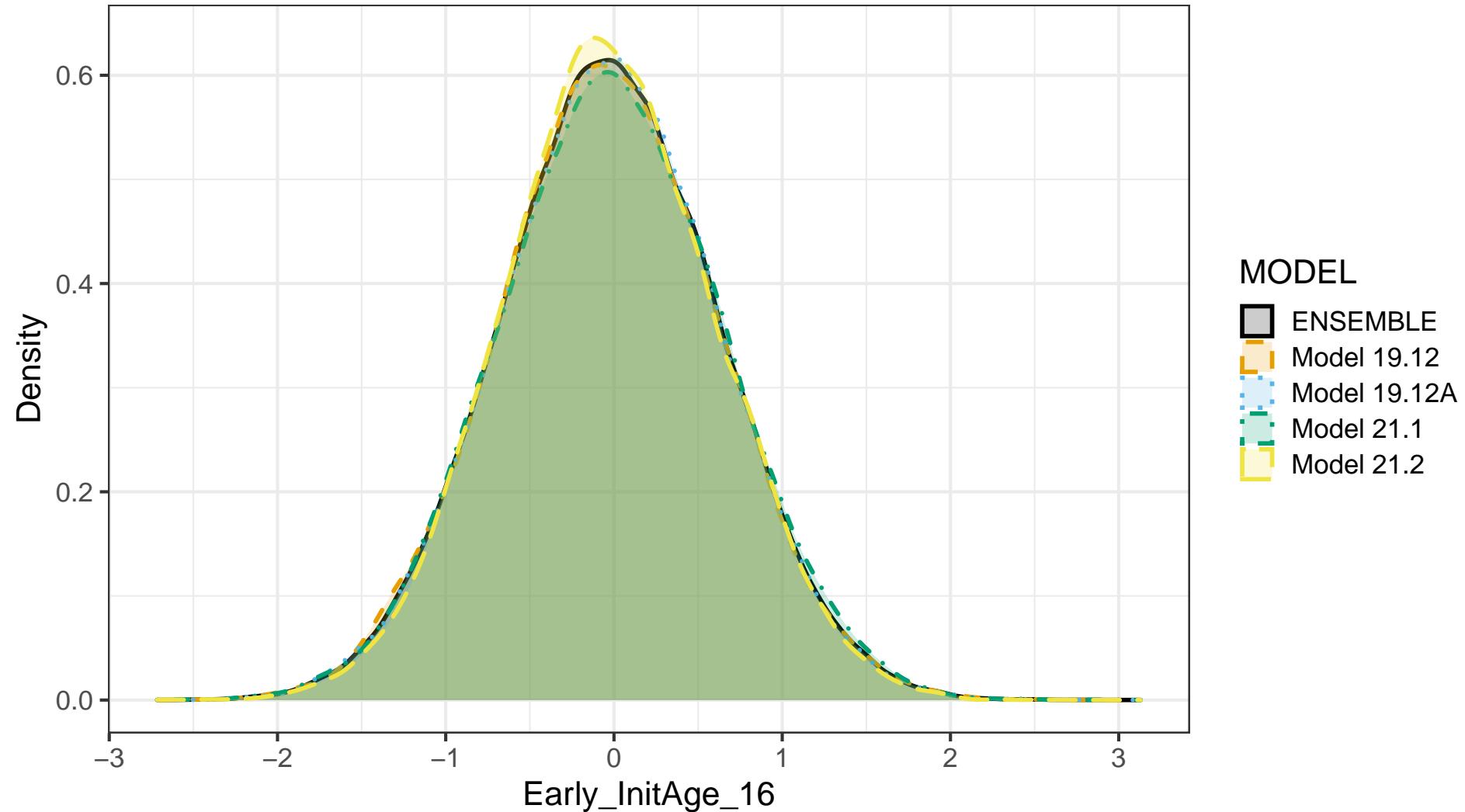
# Early\_InitAge\_18



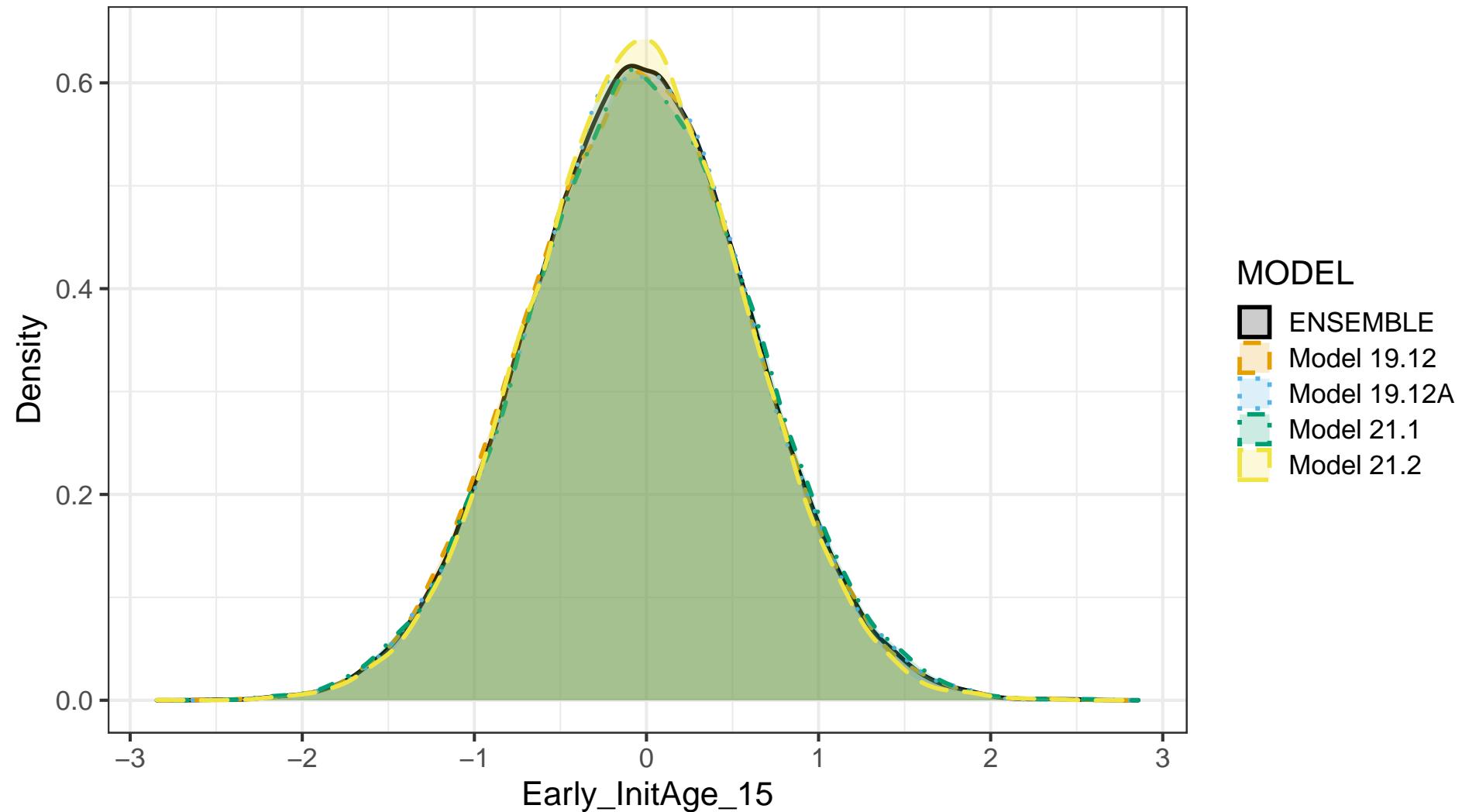
# Early\_InitAge\_17



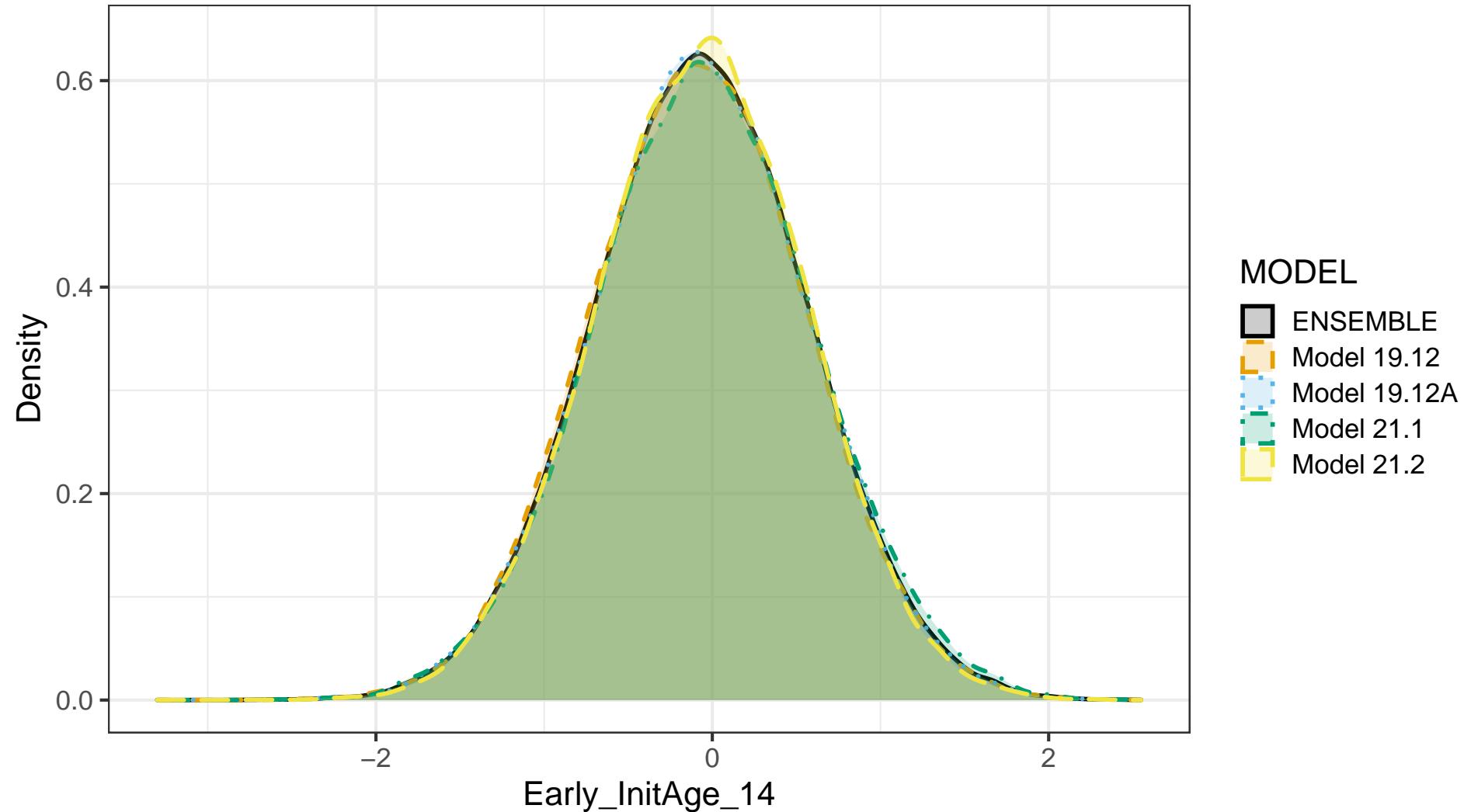
# Early\_InitAge\_16



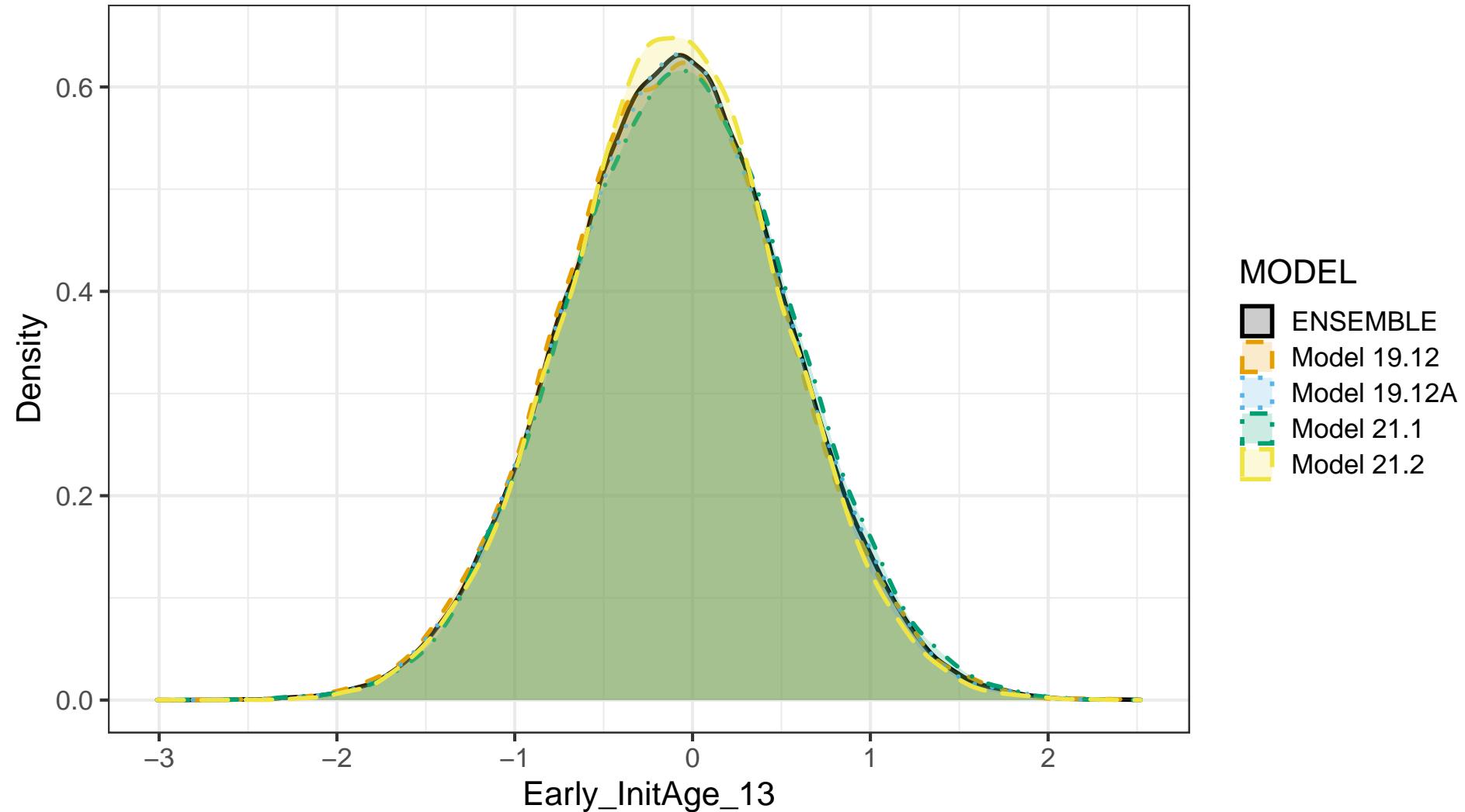
# Early\_InitAge\_15



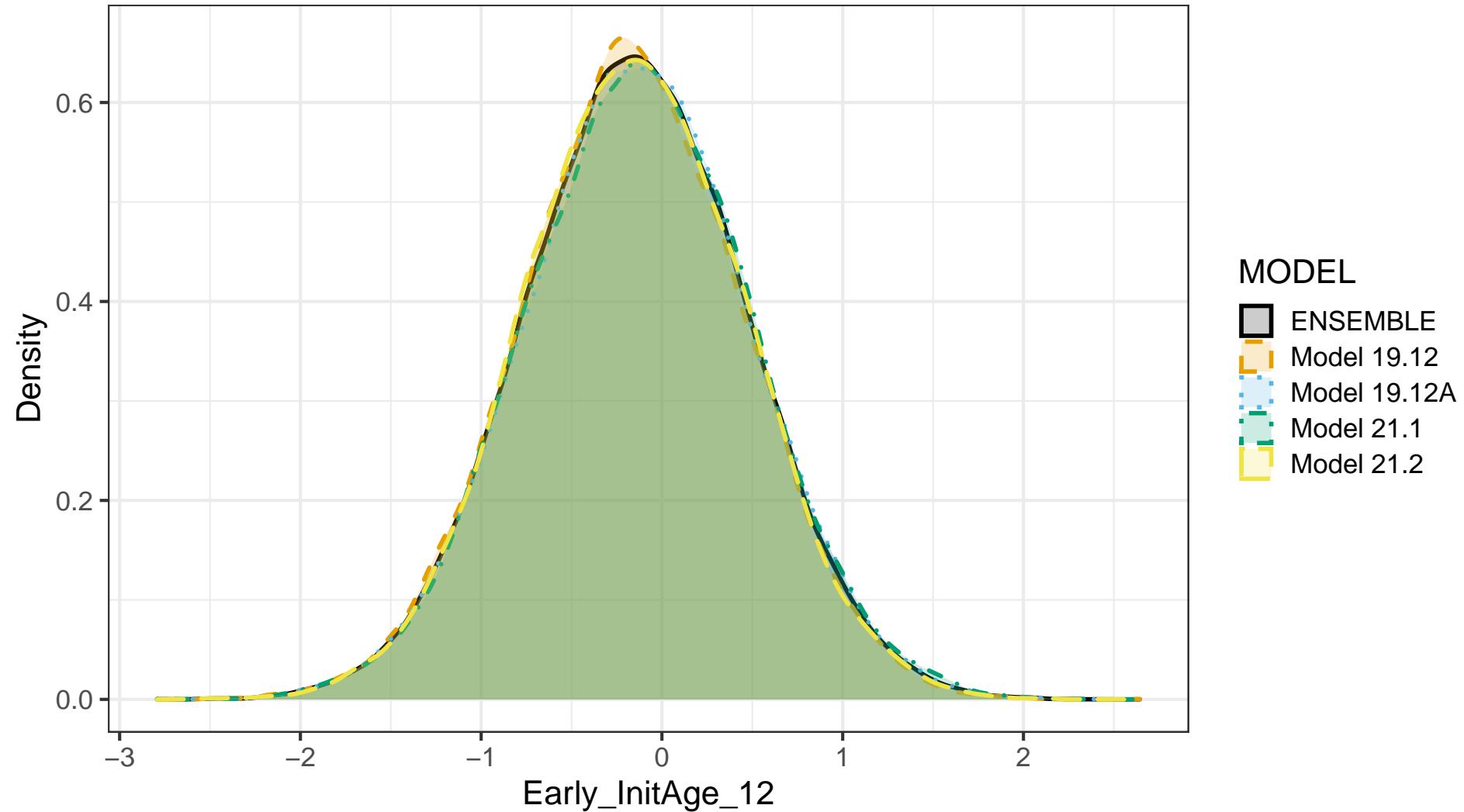
# Early\_InitAge\_14



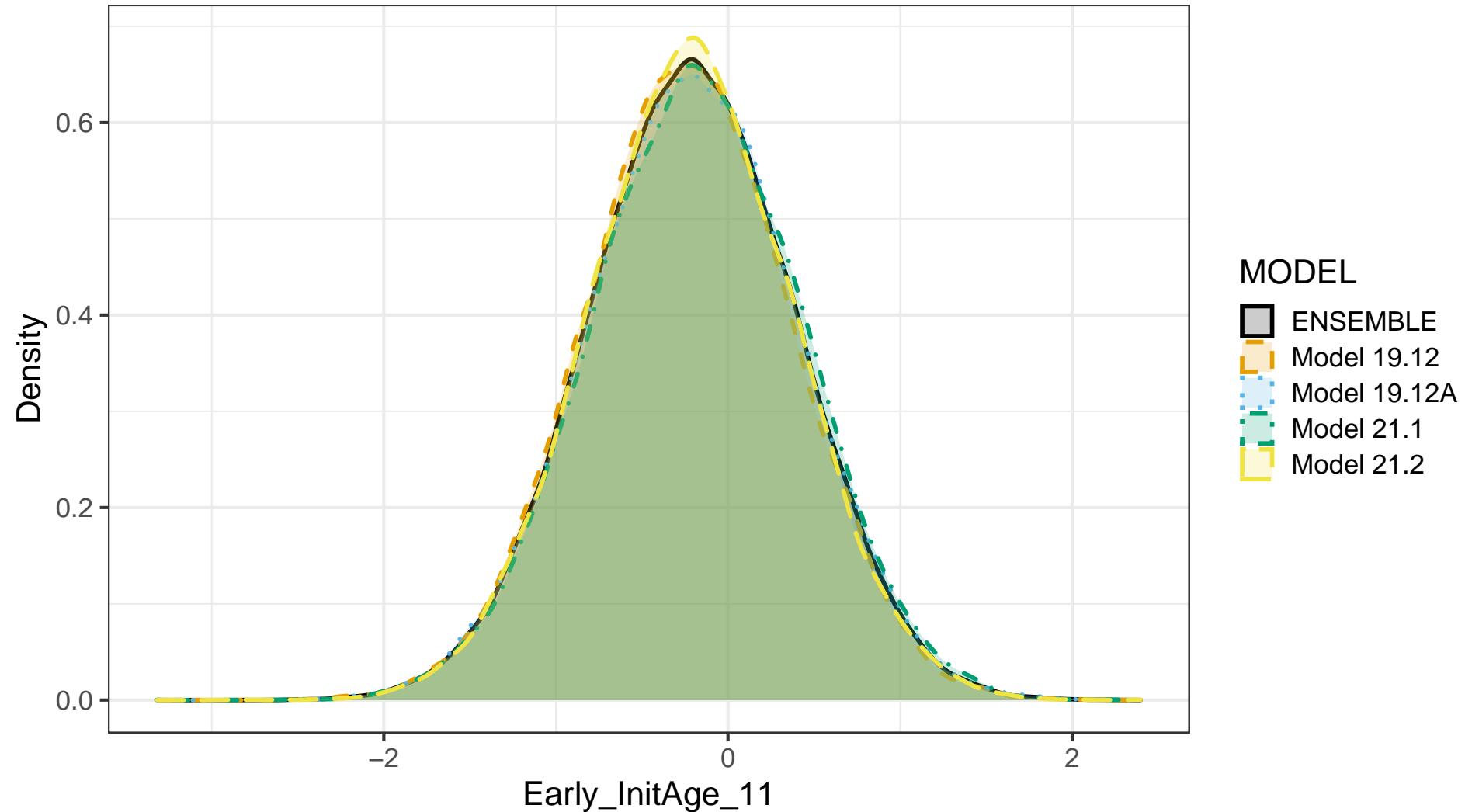
# Early\_InitAge\_13



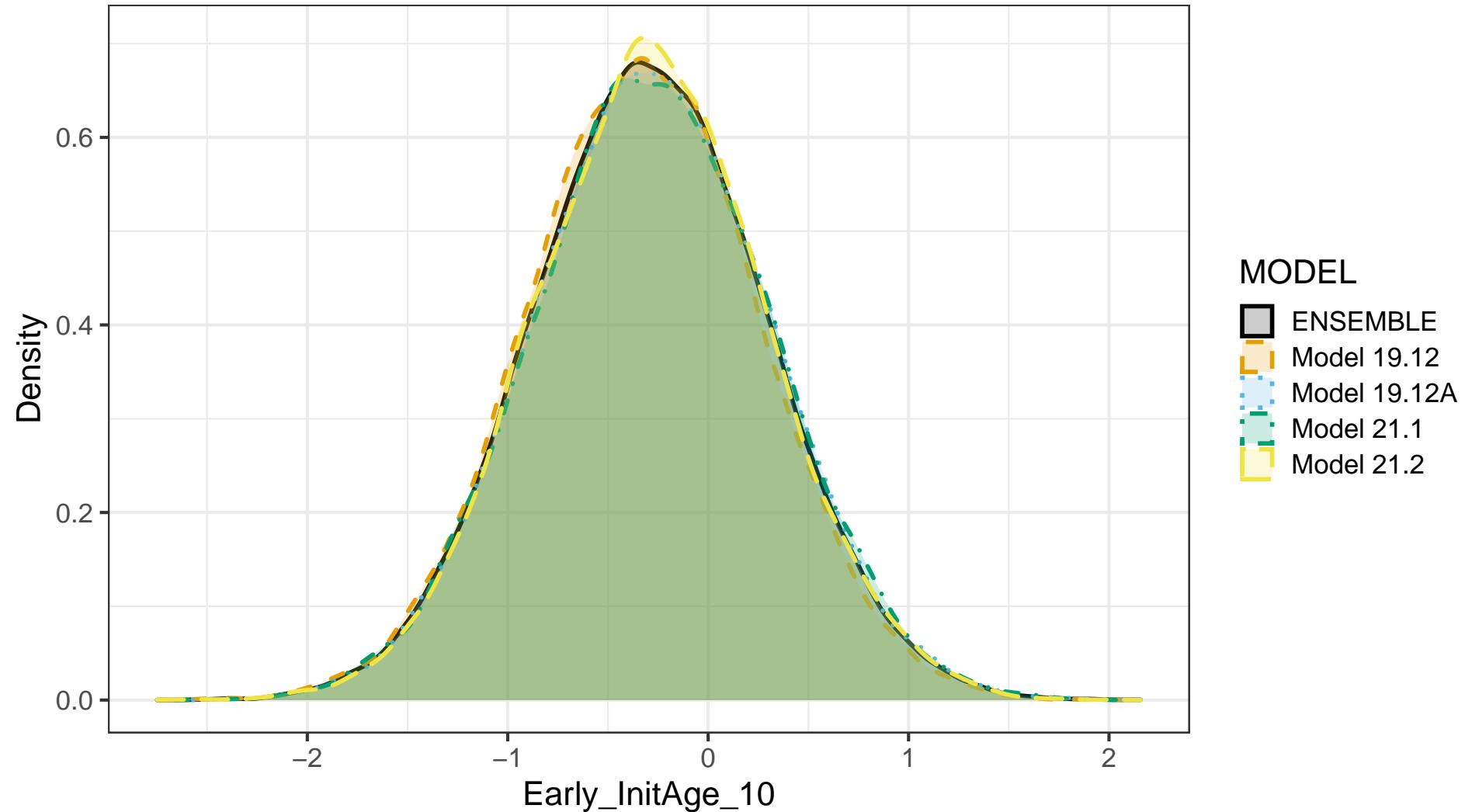
# Early\_InitAge\_12



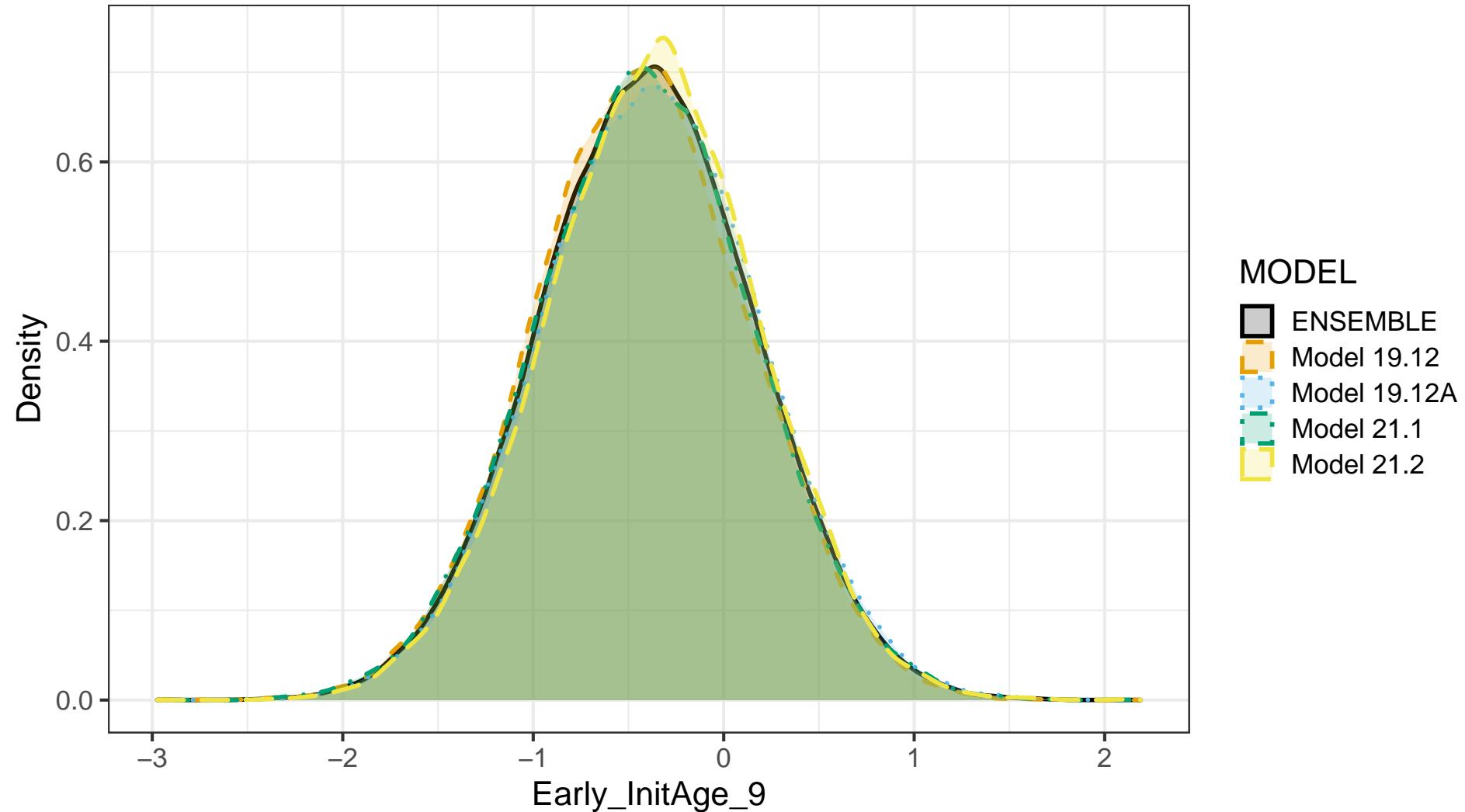
# Early\_InitAge\_11



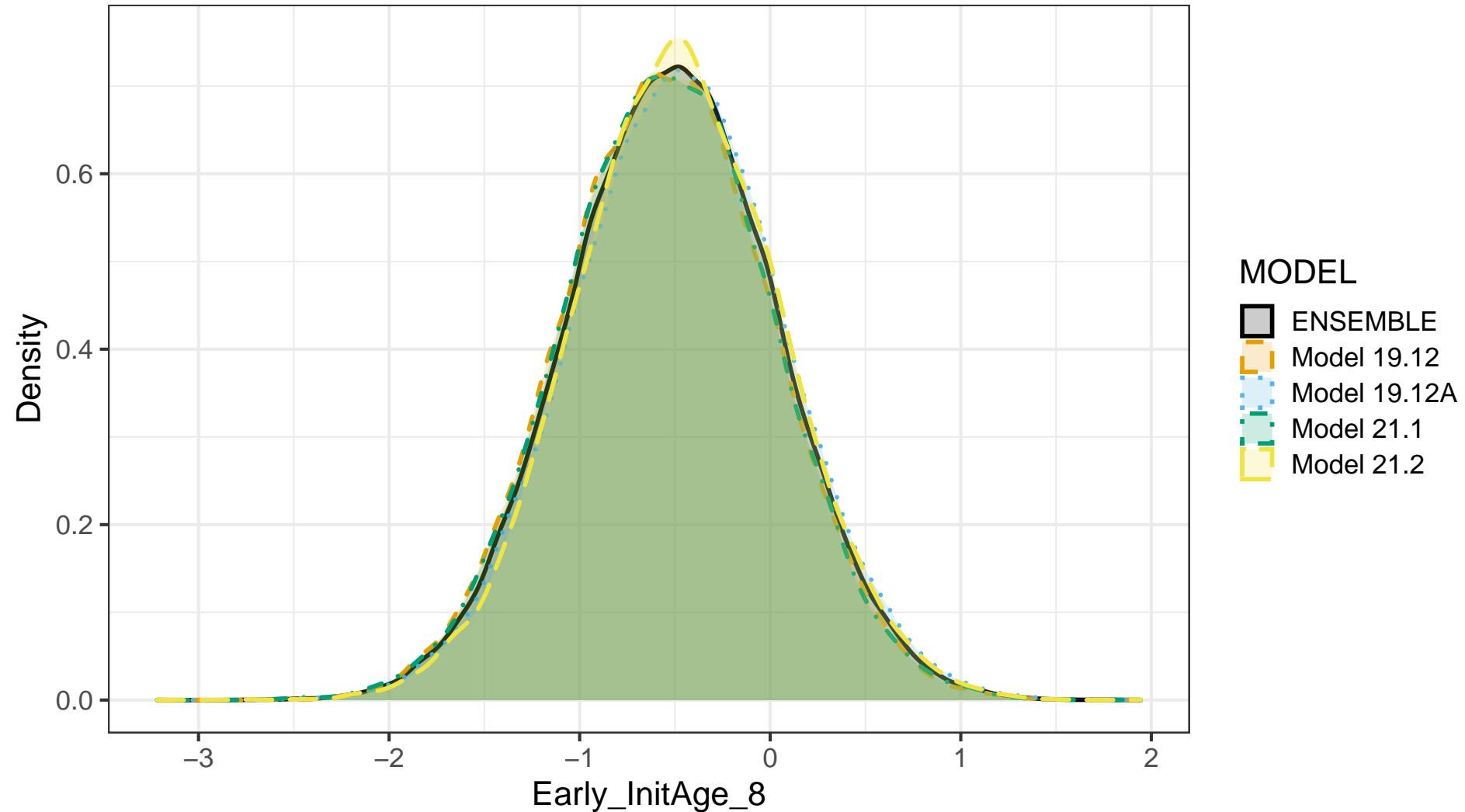
# Early\_InitAge\_10



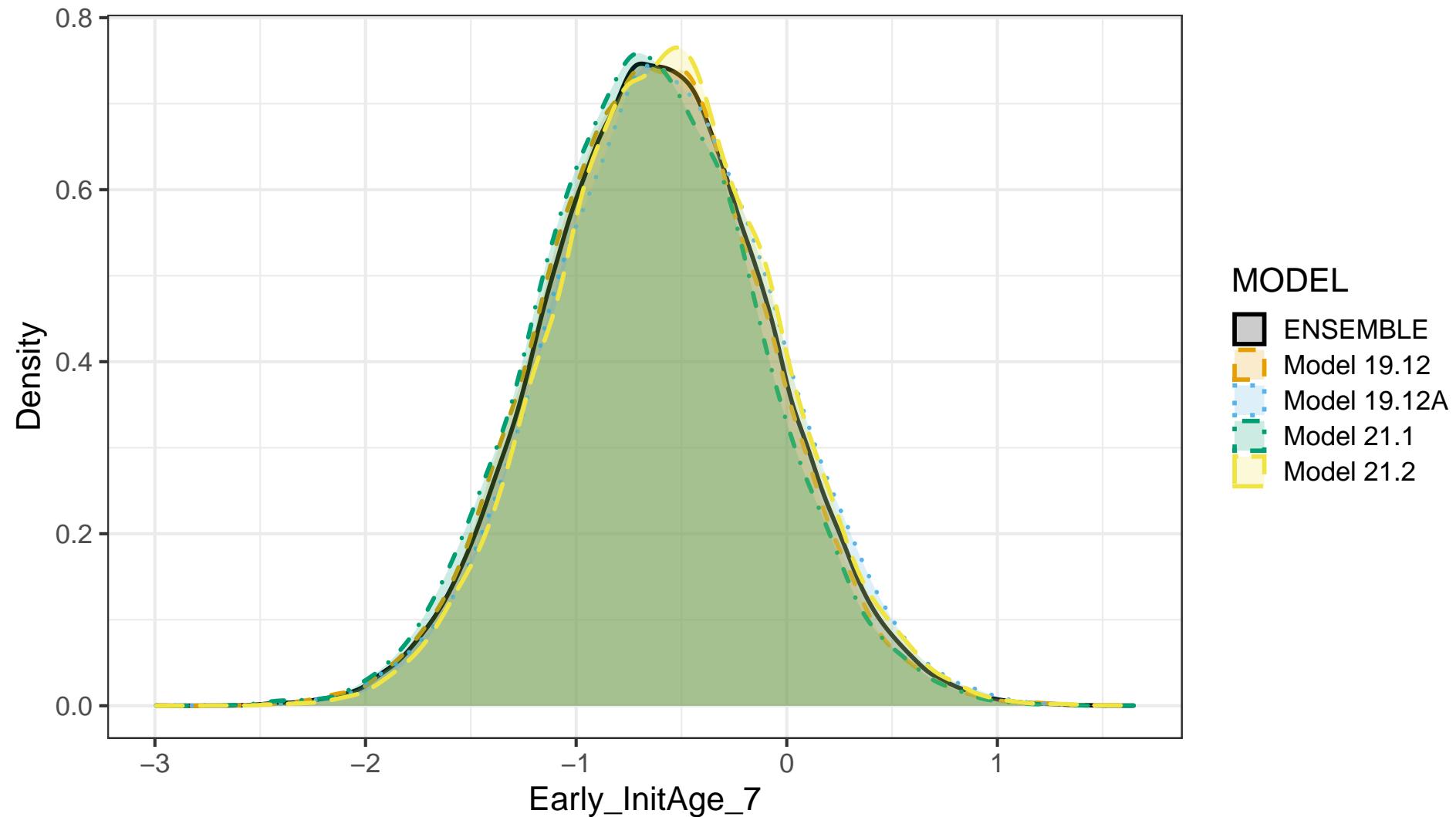
# Early\_InitAge\_9



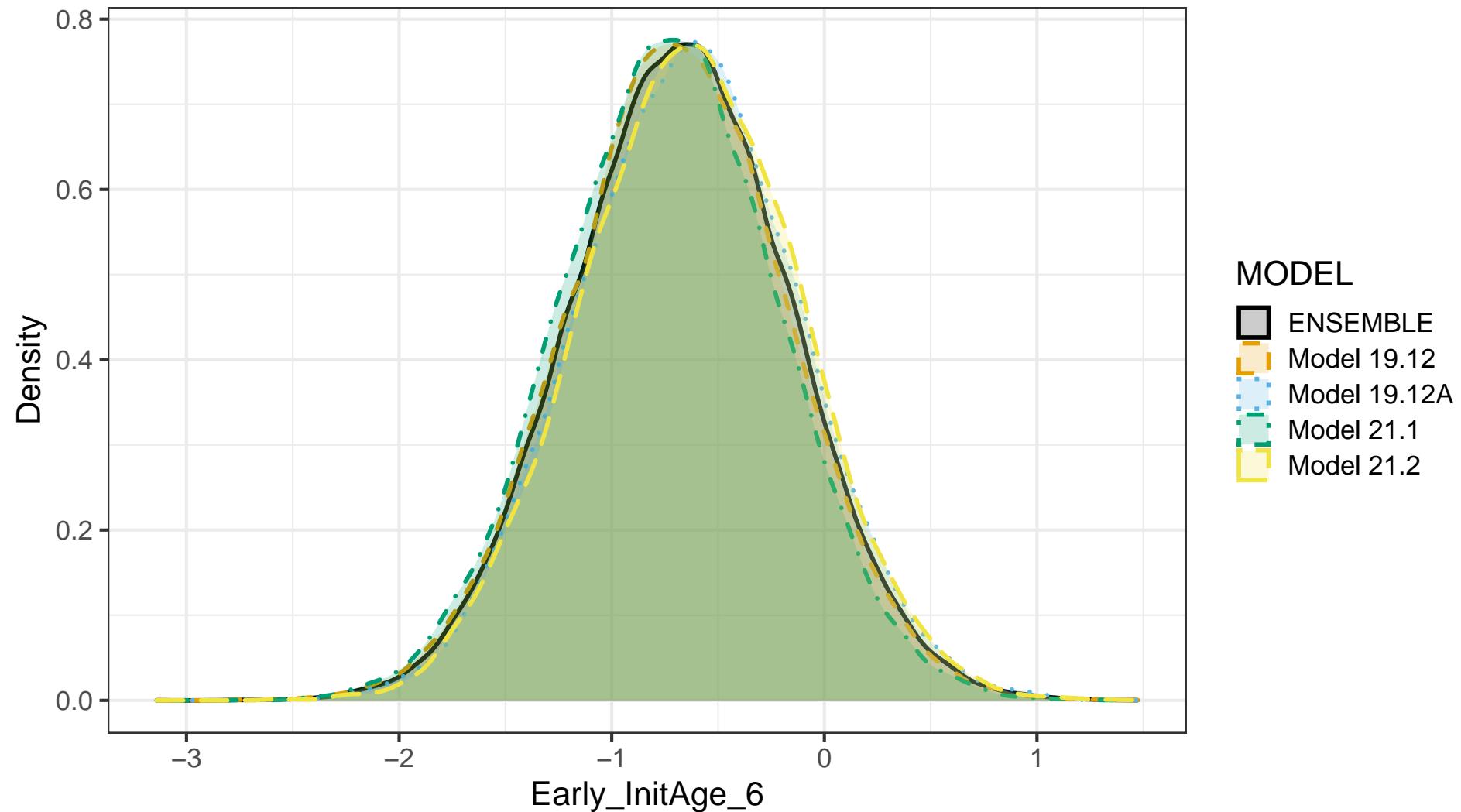
# Early\_InitAge\_8



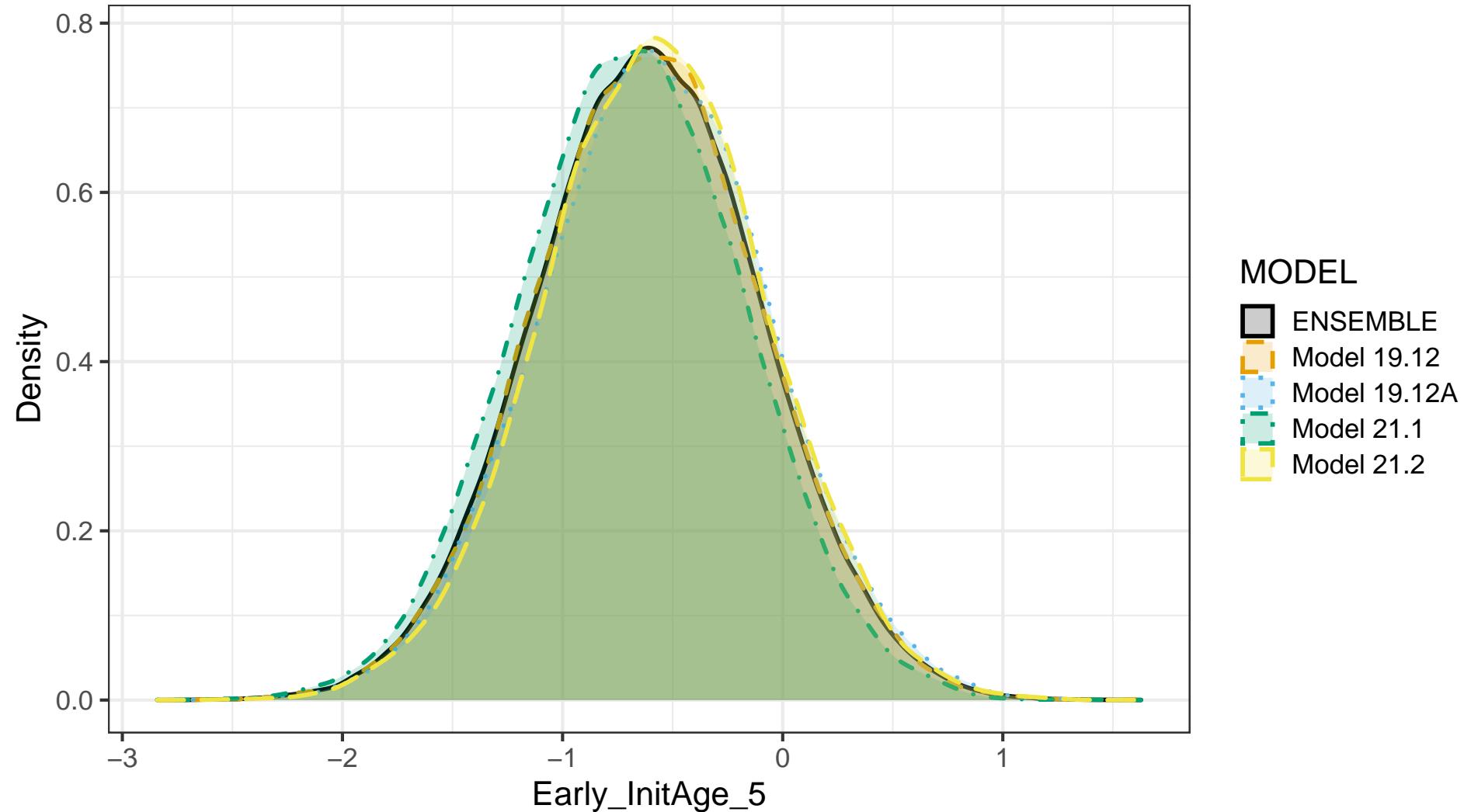
# Early\_InitAge\_7



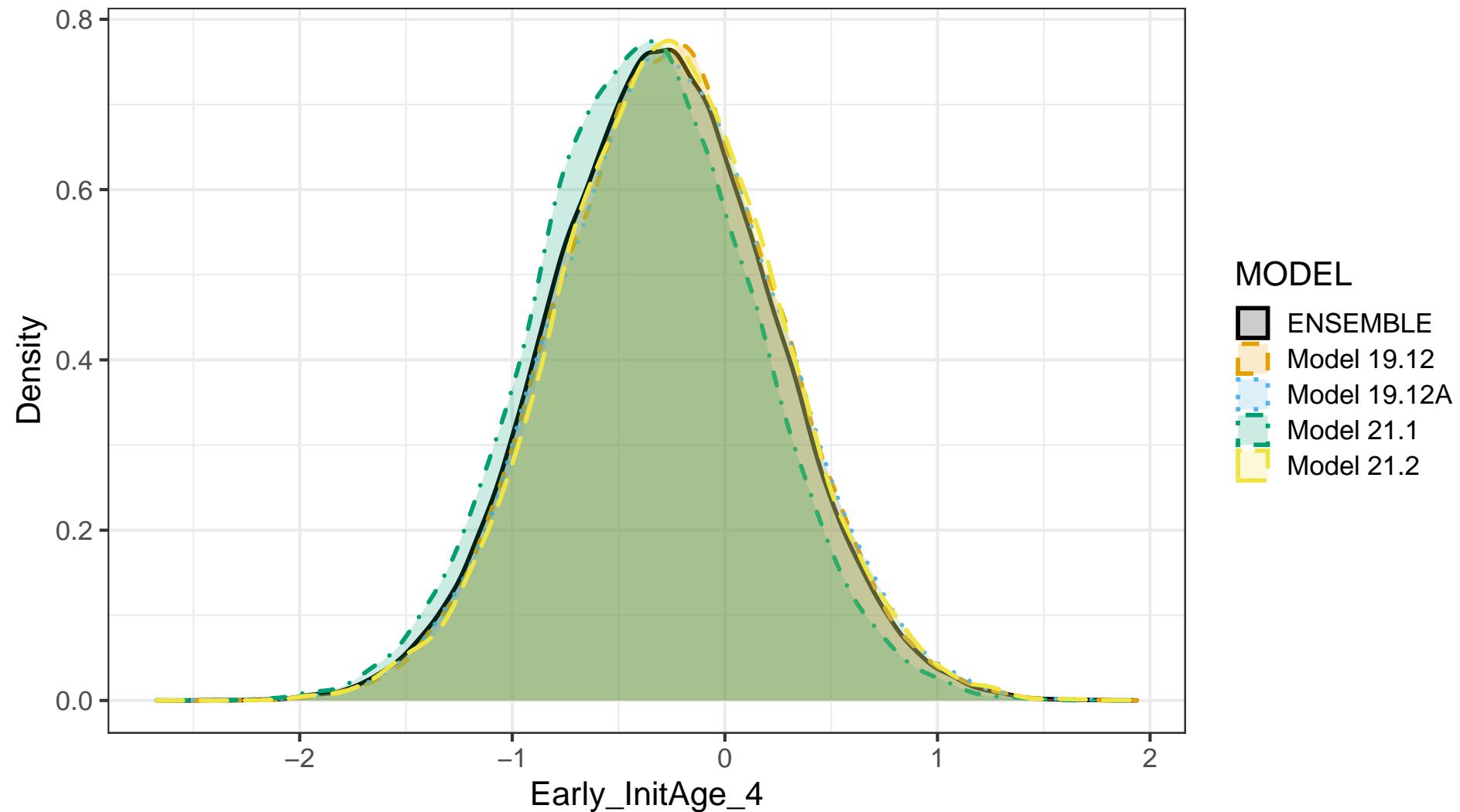
# Early\_InitAge\_6



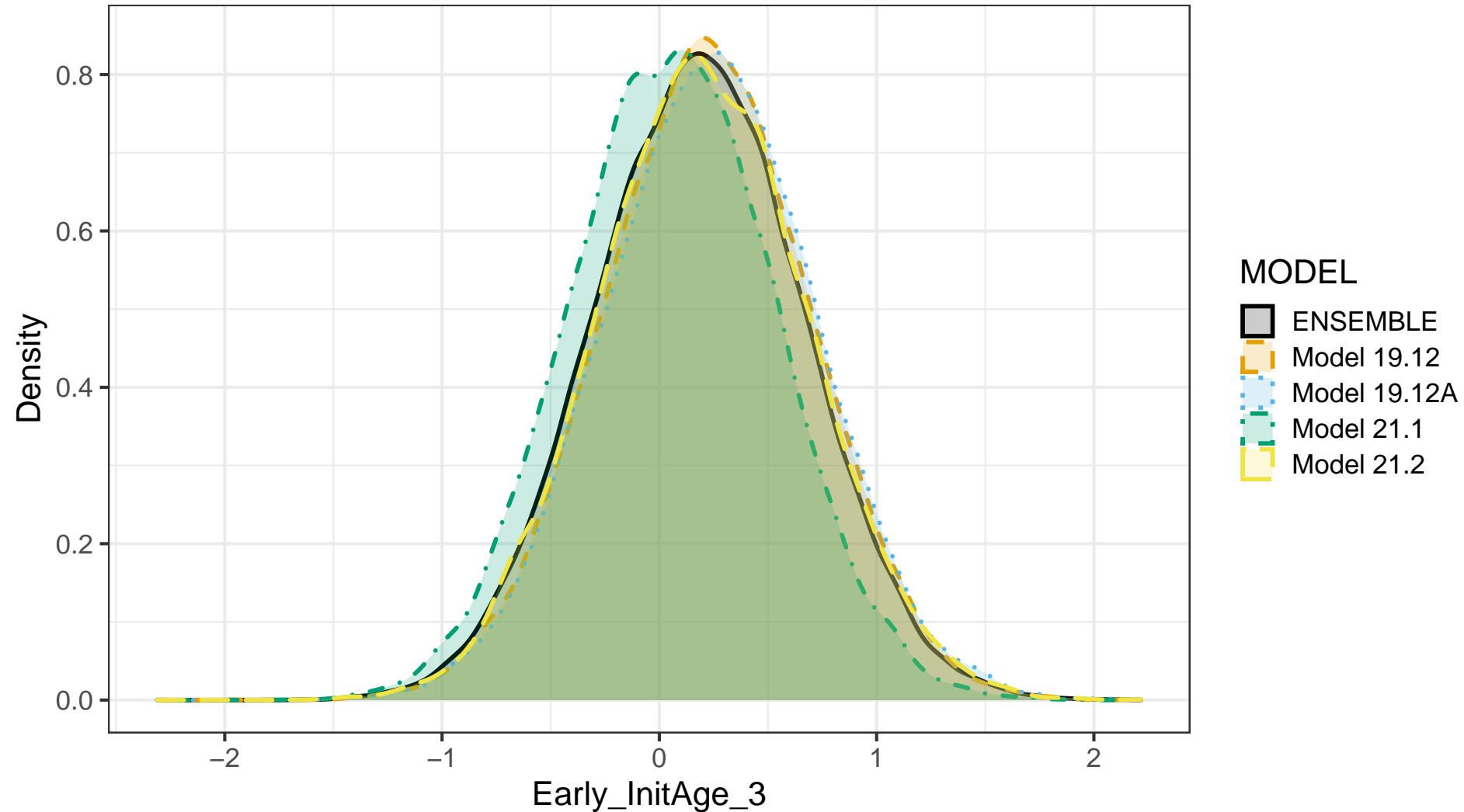
# Early\_InitAge\_5



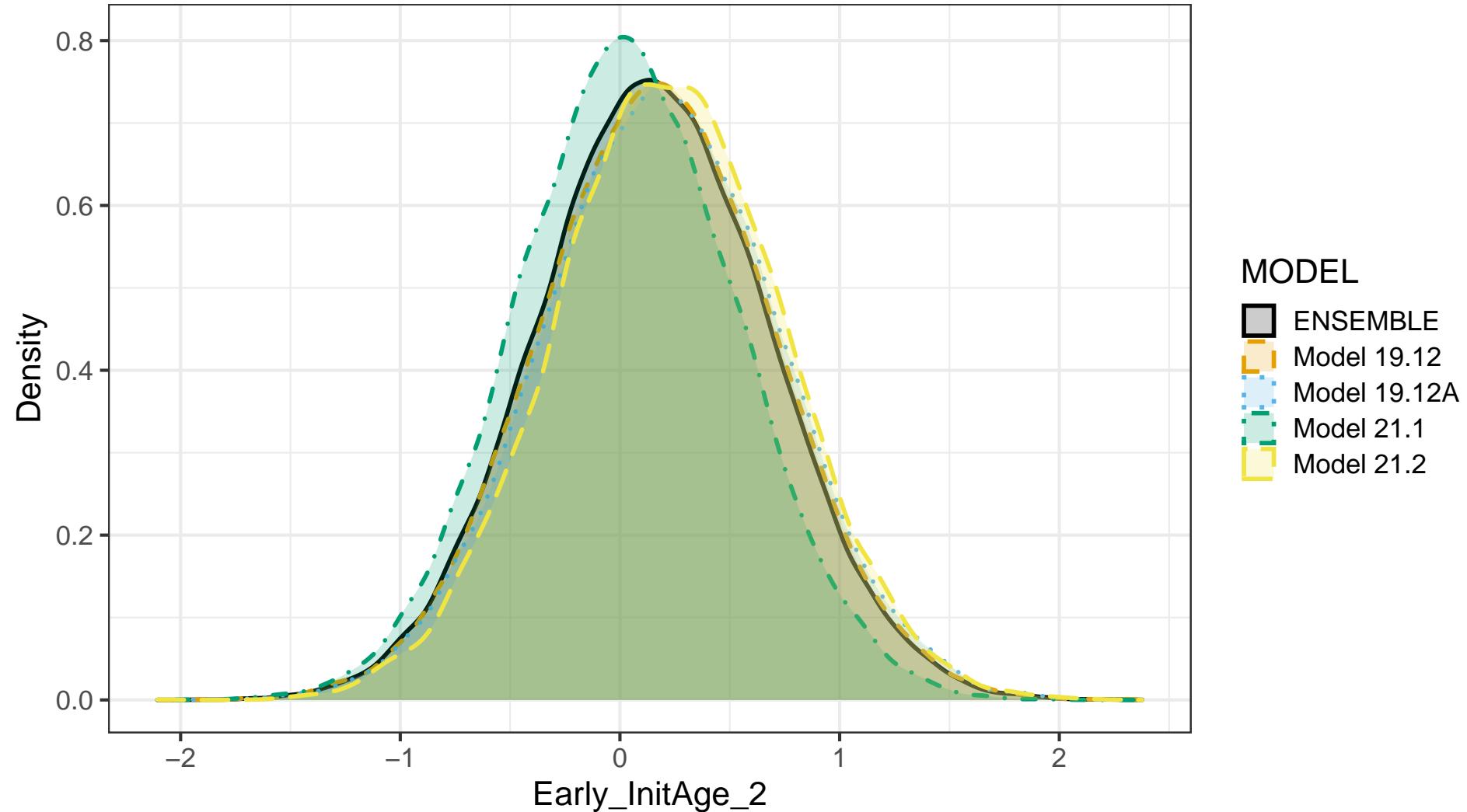
# Early\_InitAge\_4



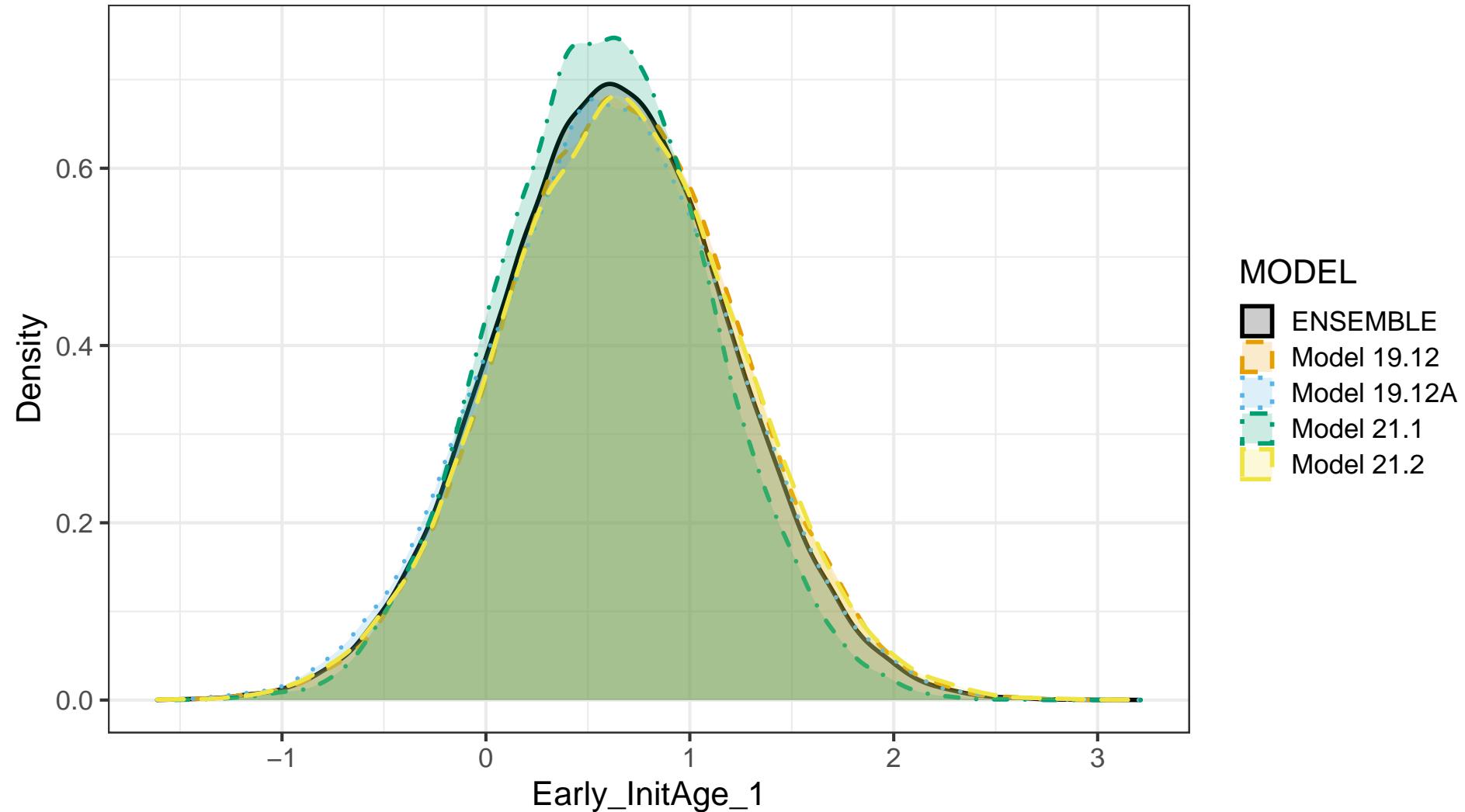
# Early\_InitAge\_3



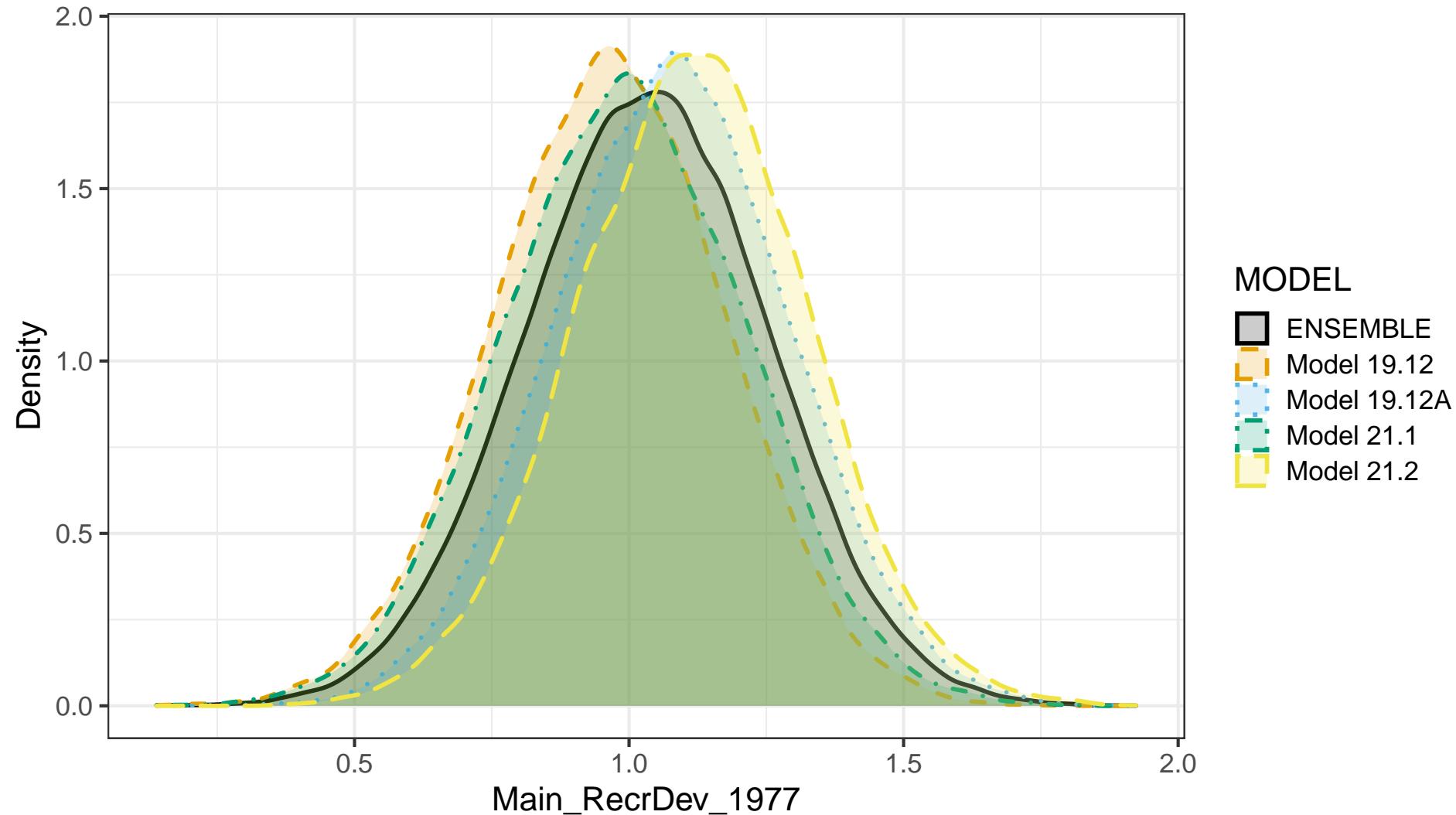
# Early\_InitAge\_2



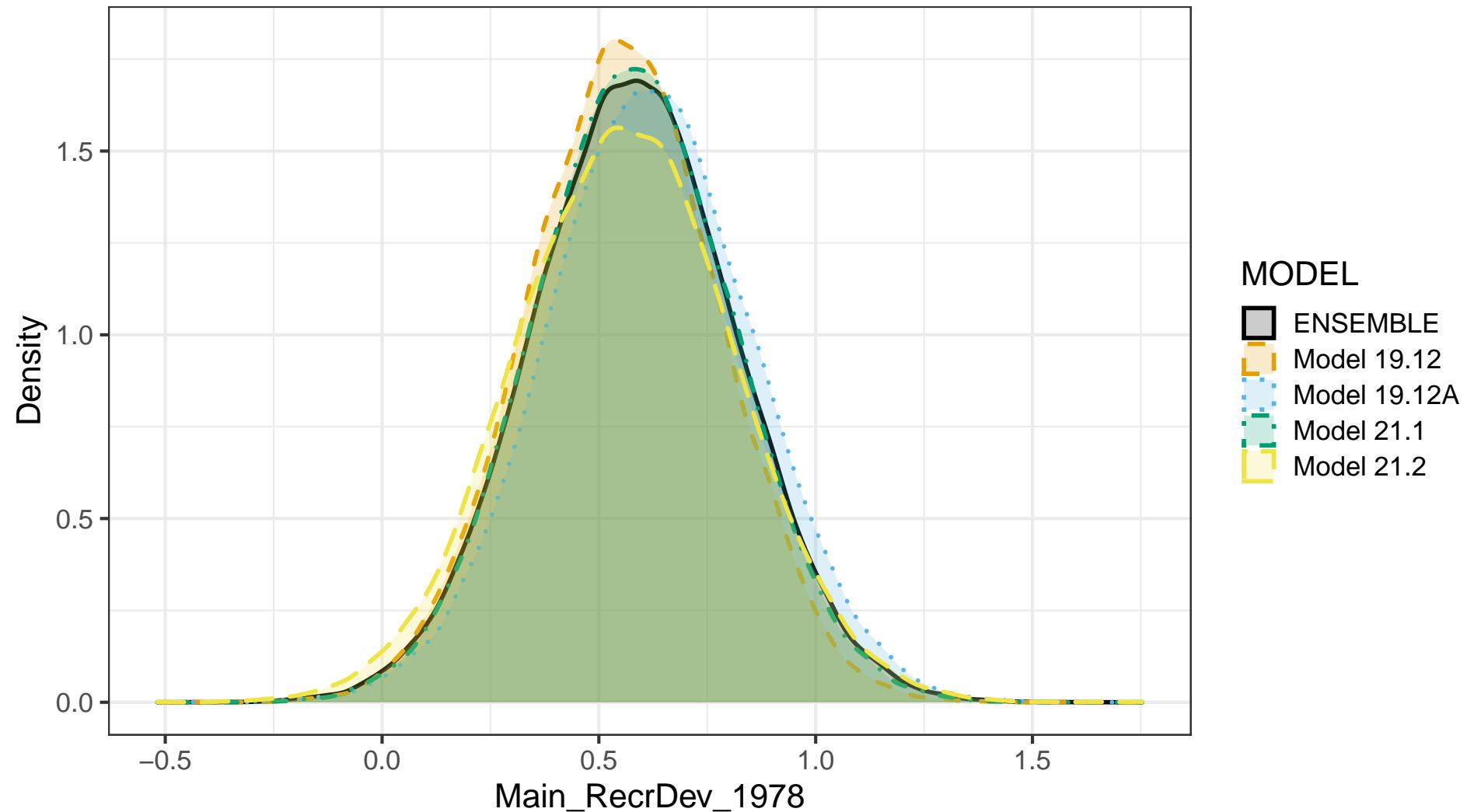
# Early\_InitAge\_1



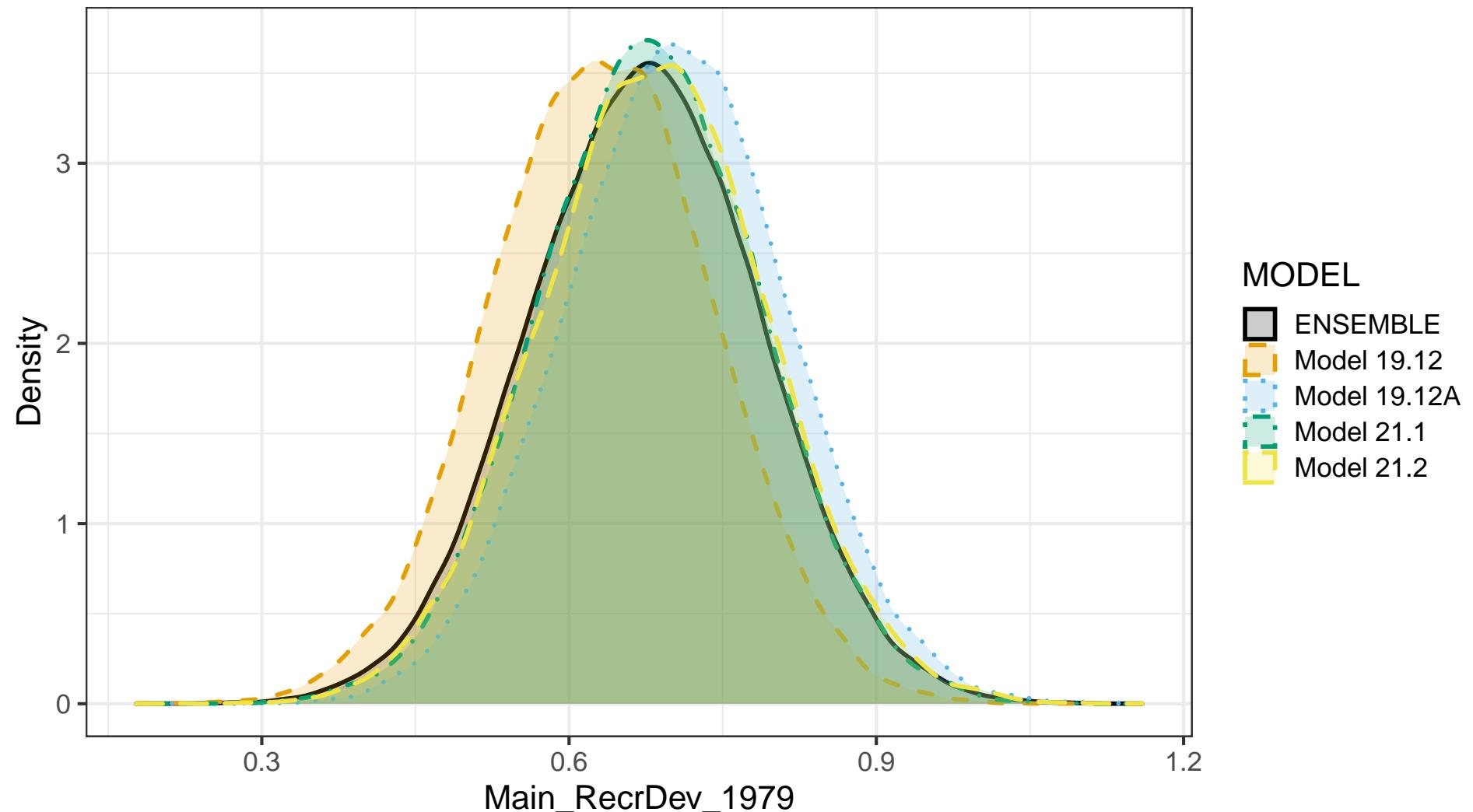
# Main\_RecrDev\_1977



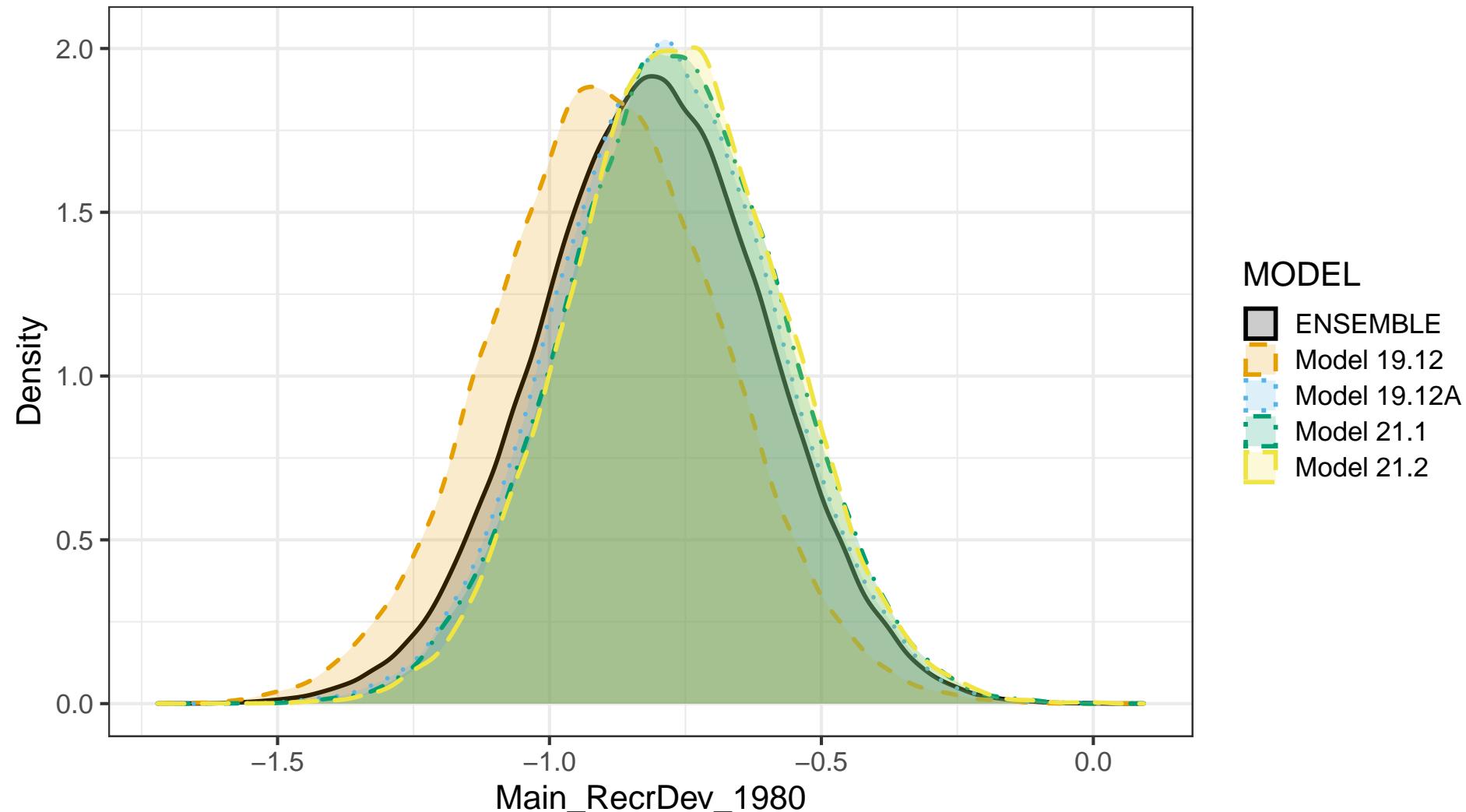
# Main\_RecrDev\_1978



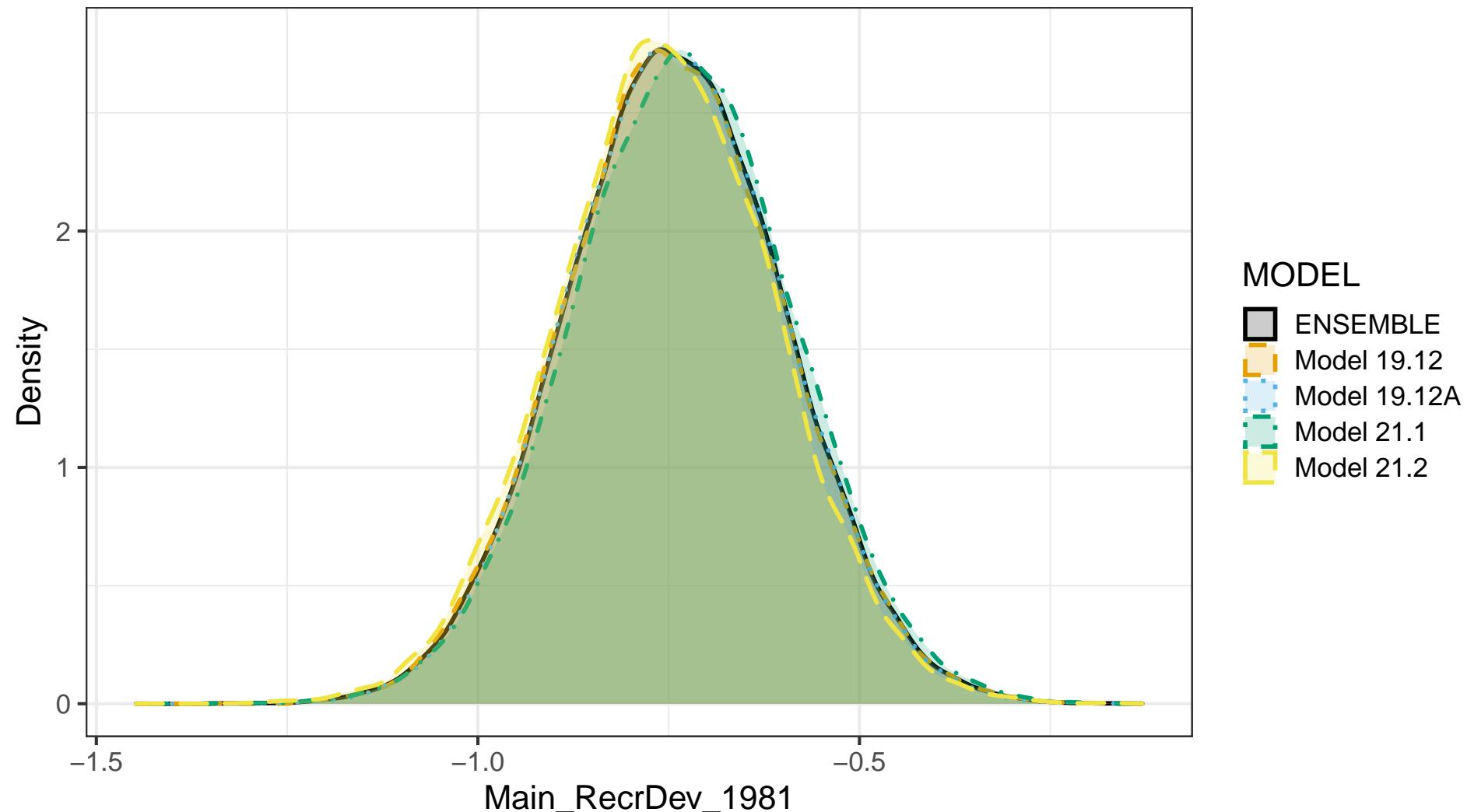
# Main\_RecrDev\_1979



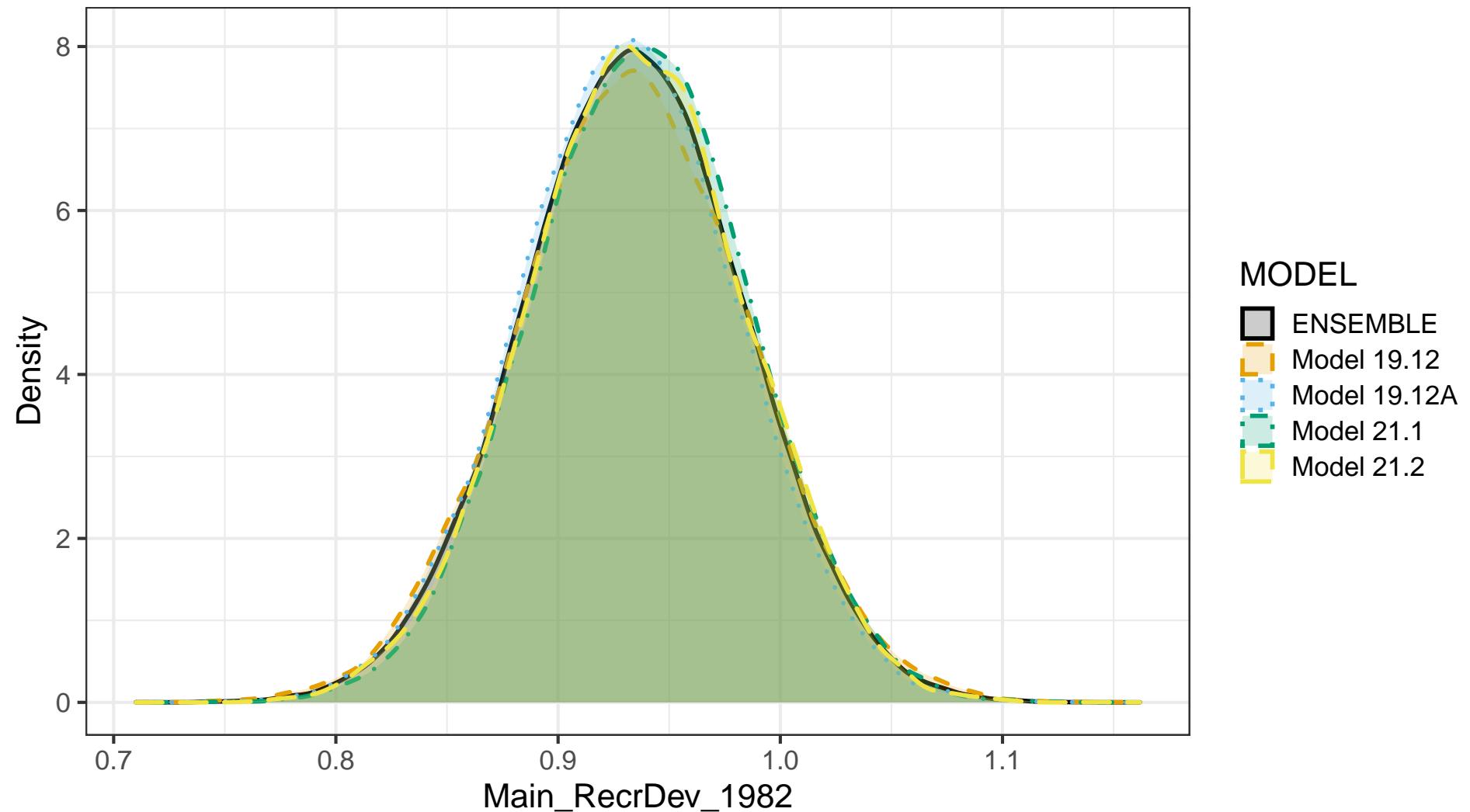
# Main\_RecrDev\_1980



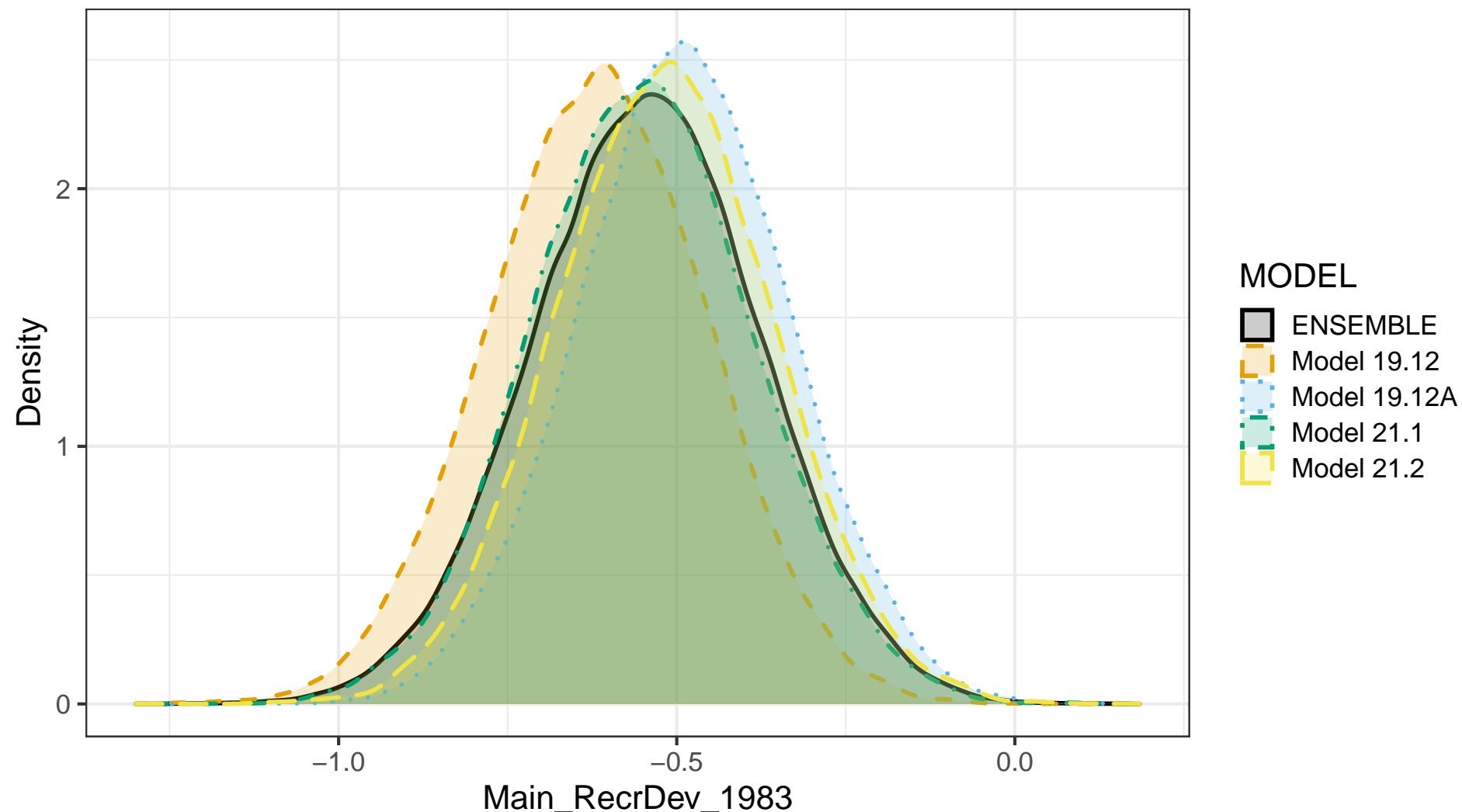
# Main\_RecrDev\_1981



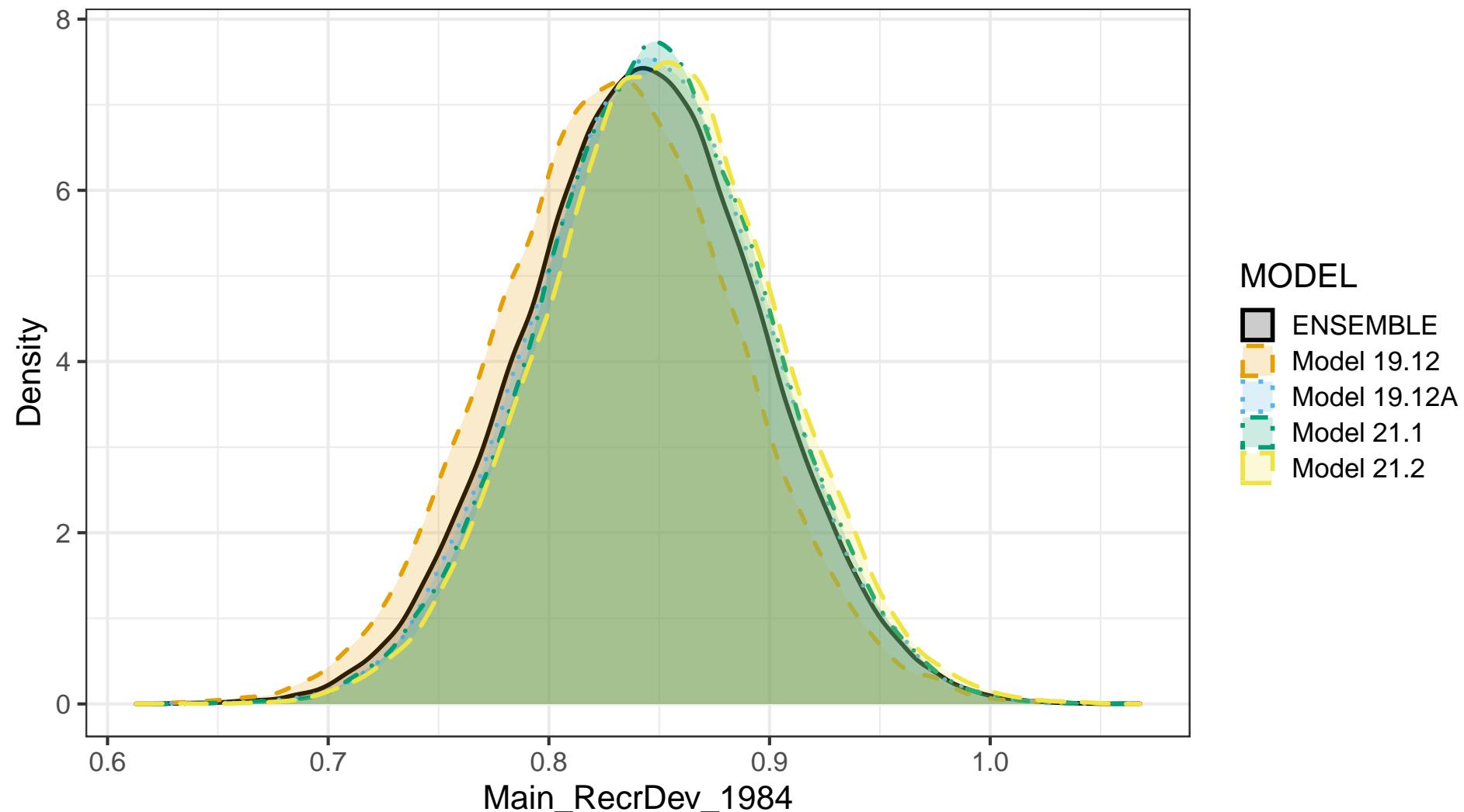
# Main\_RecrDev\_1982



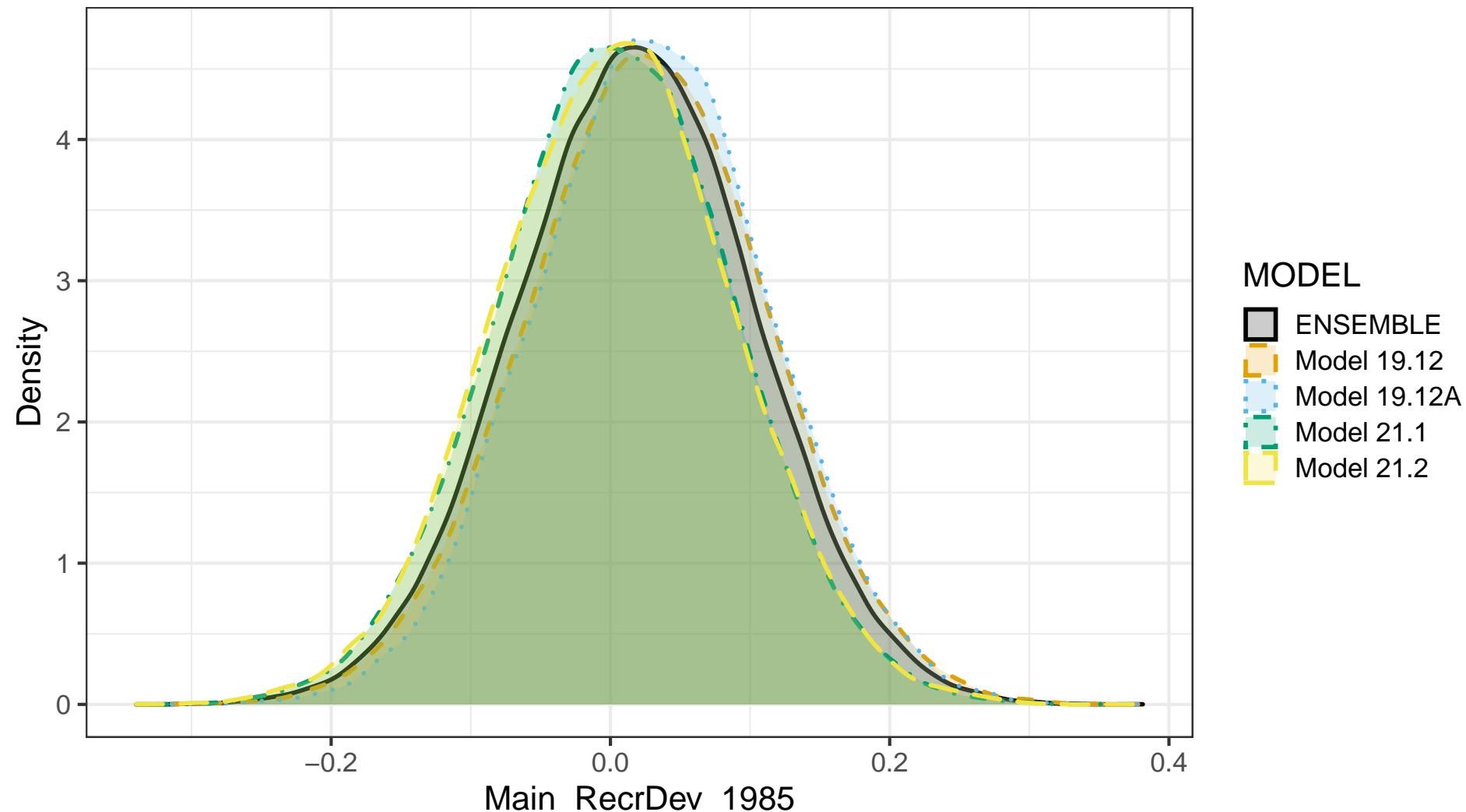
# Main\_RecrDev\_1983



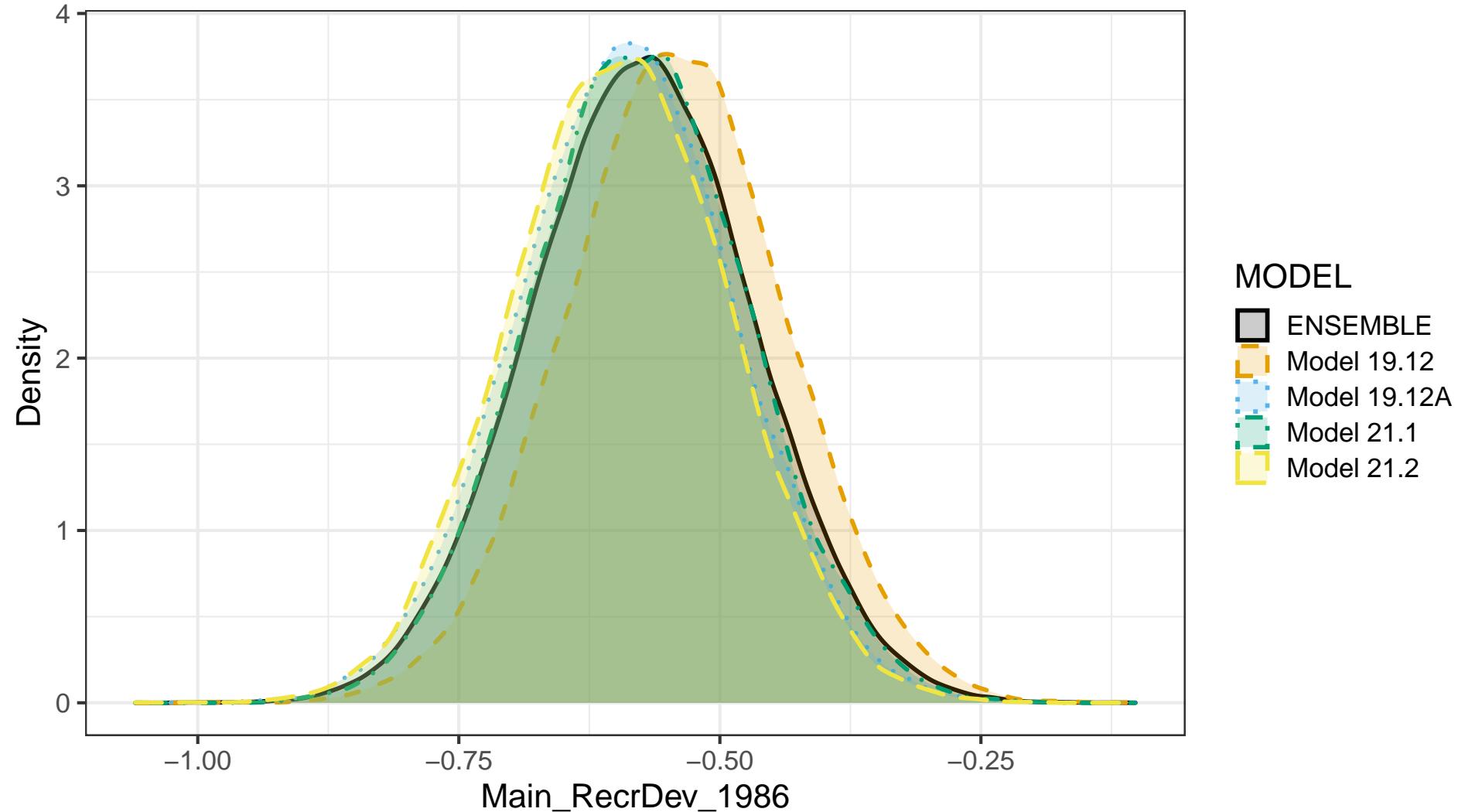
# Main\_RecrDev\_1984



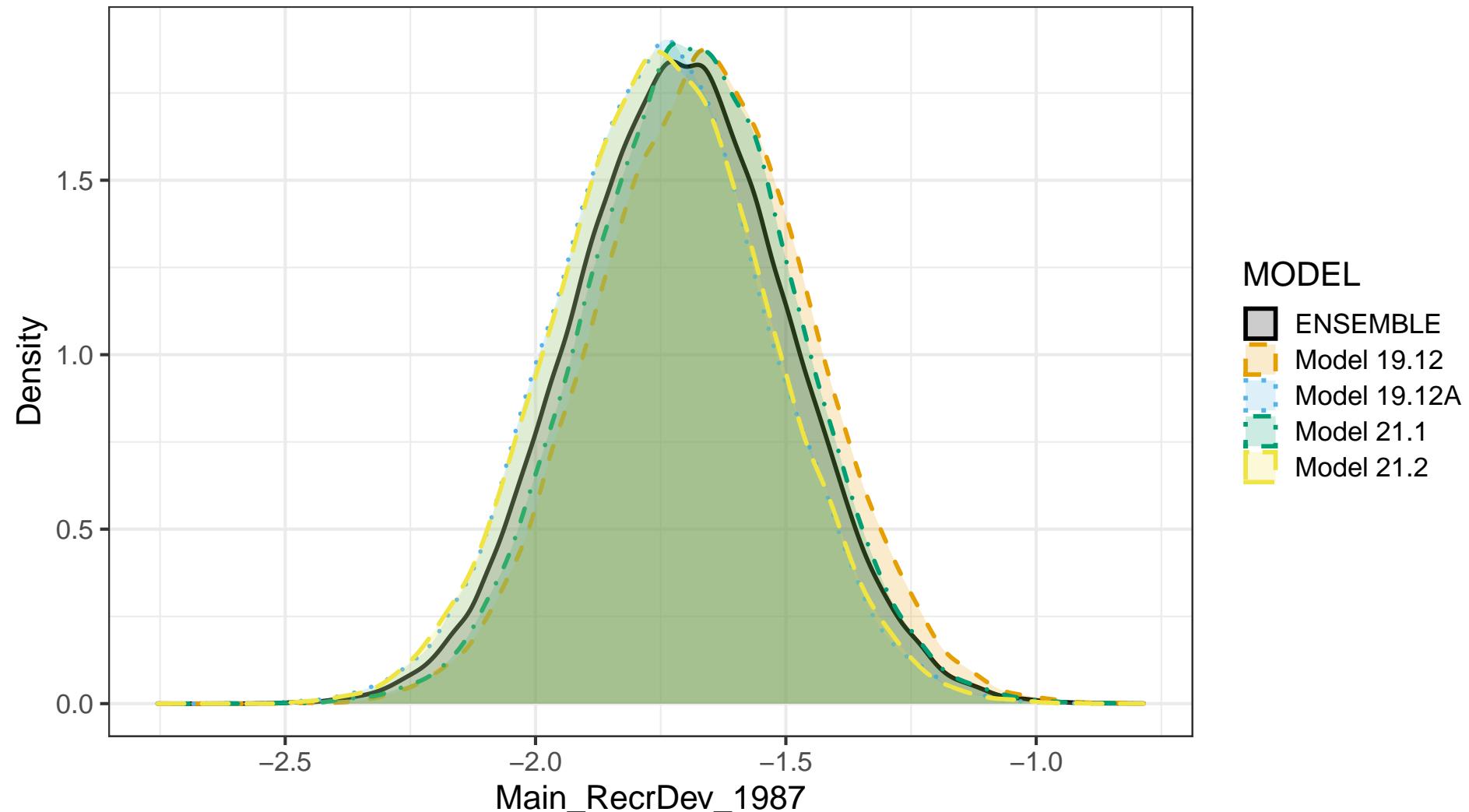
# Main\_RecrDev\_1985



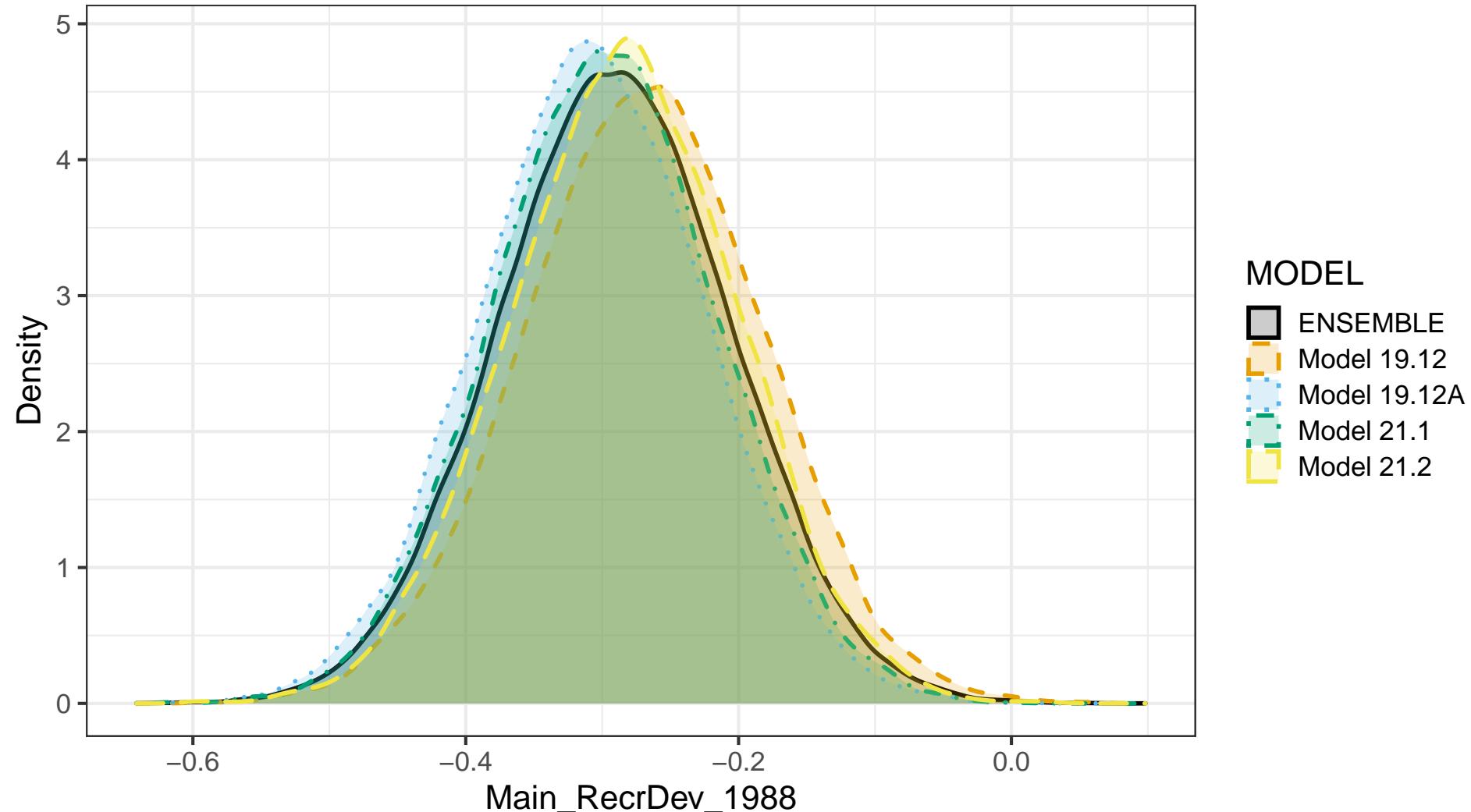
# Main\_RecrDev\_1986



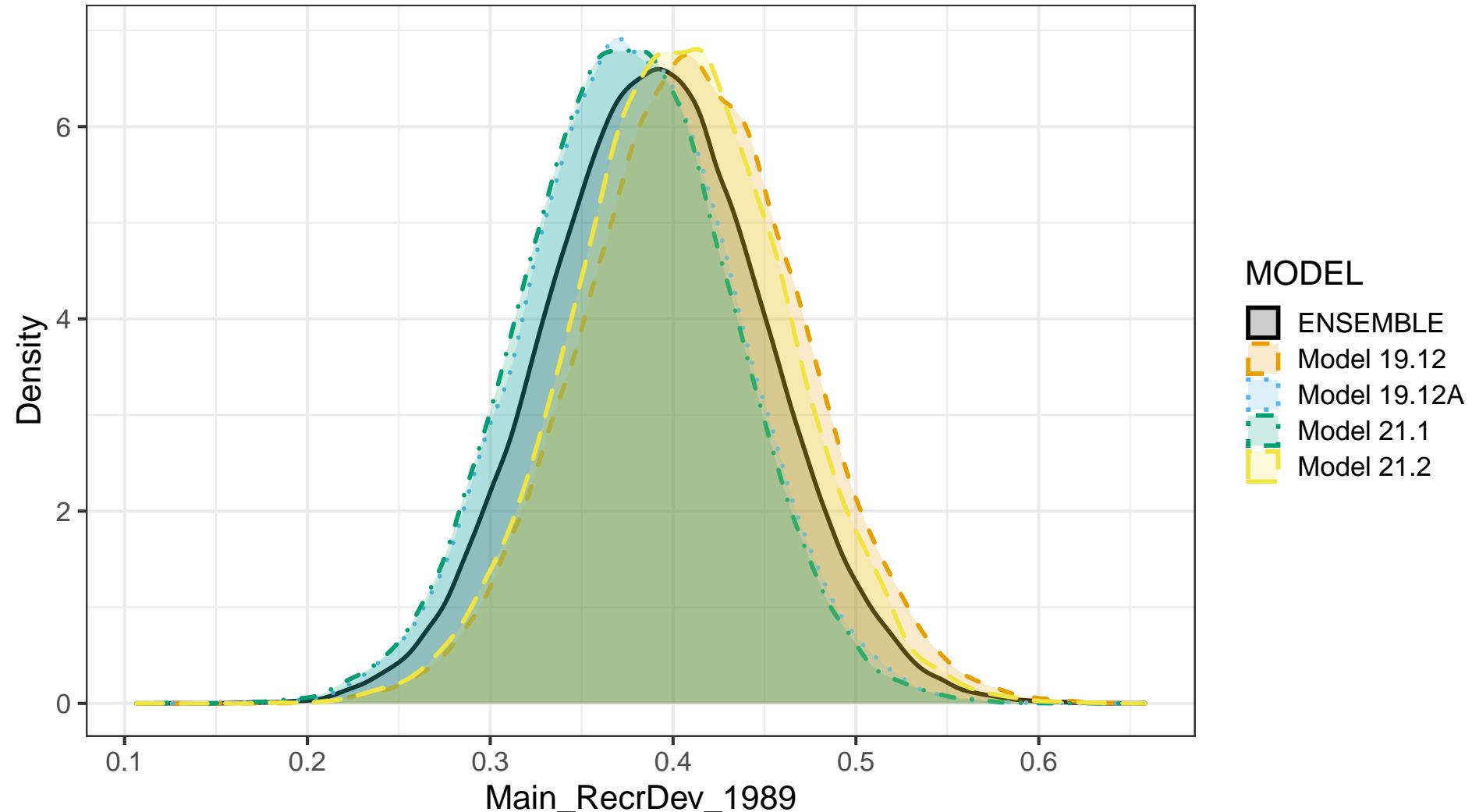
# Main\_RecrDev\_1987



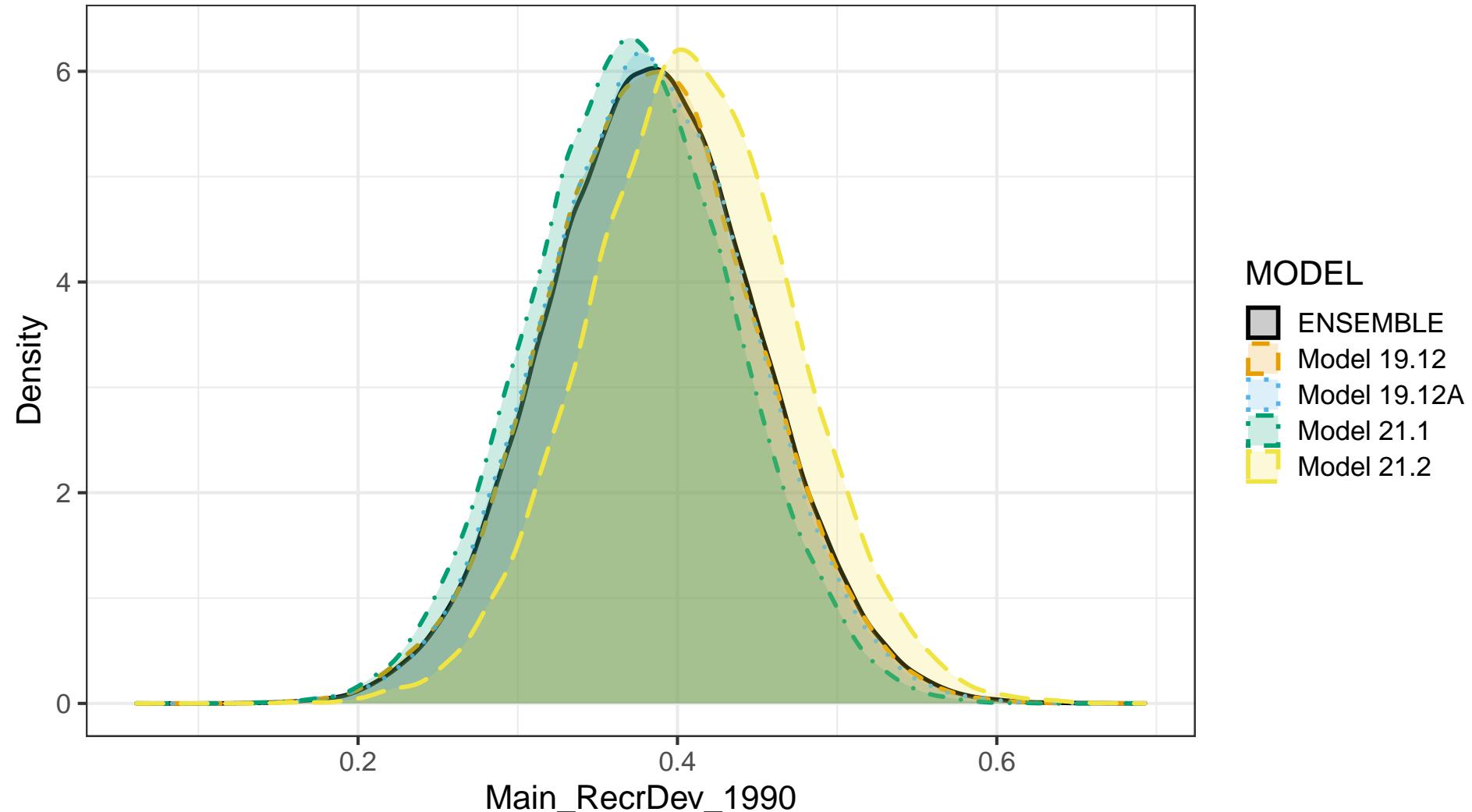
# Main\_RecrDev\_1988



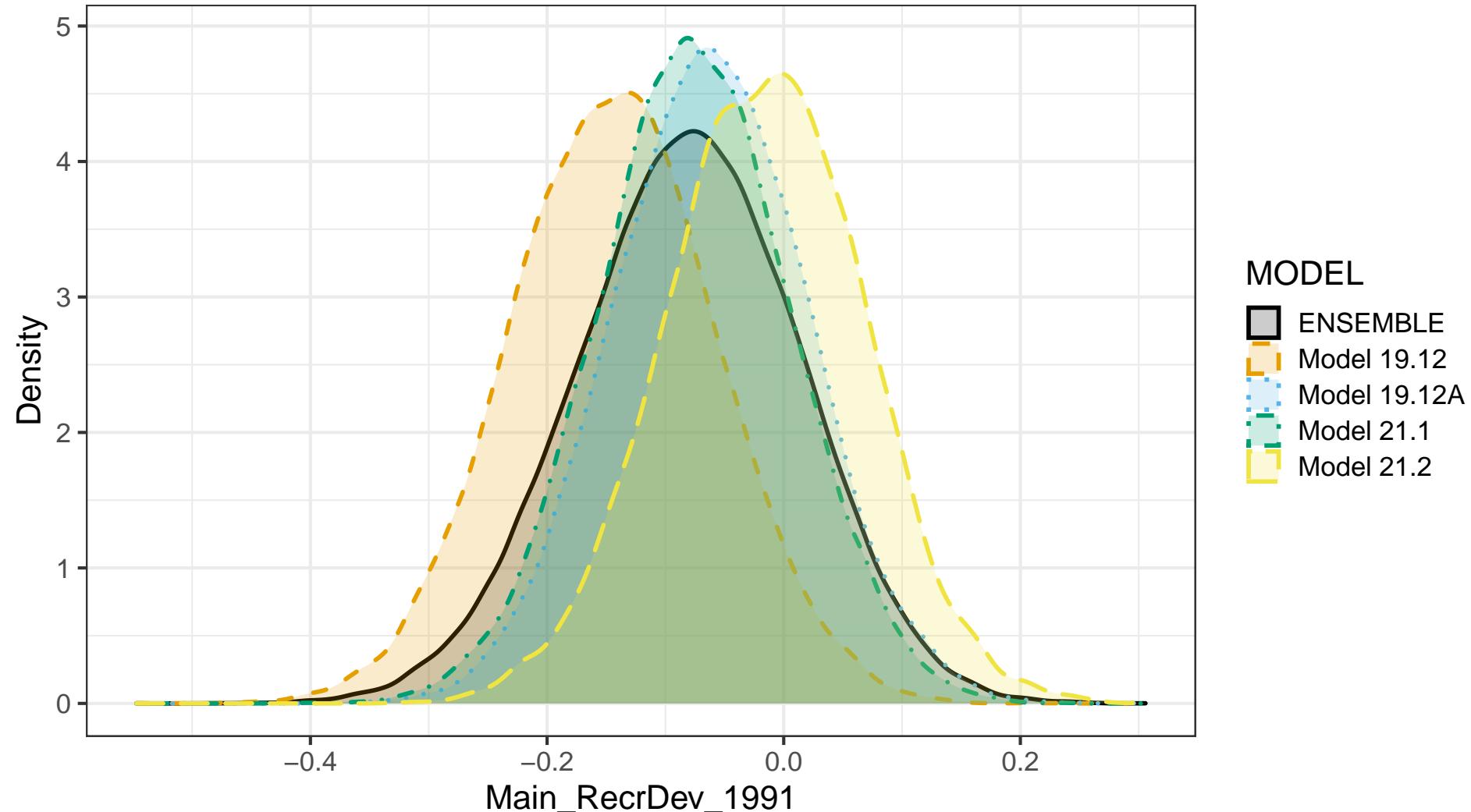
# Main\_RecrDev\_1989



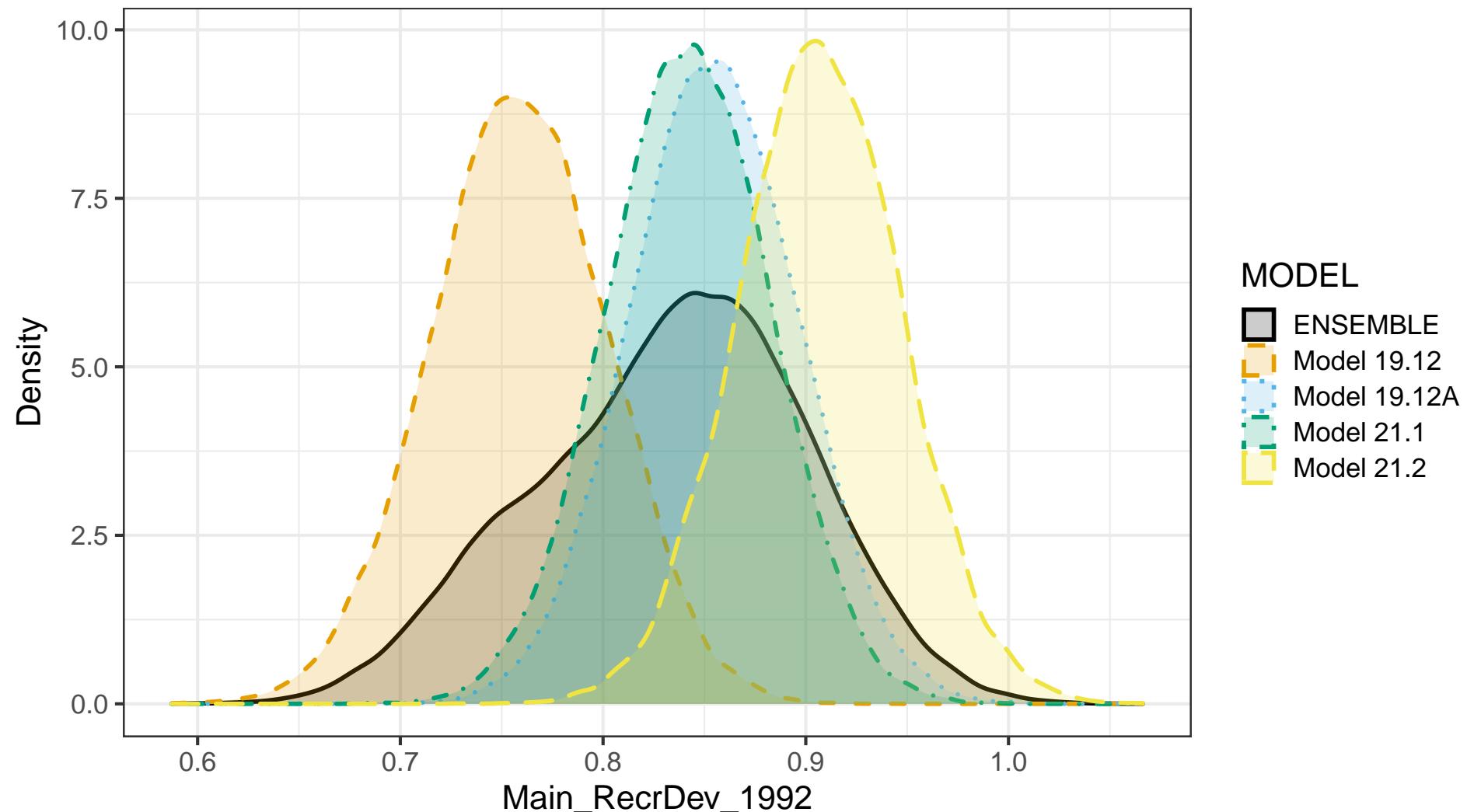
# Main\_RecrDev\_1990



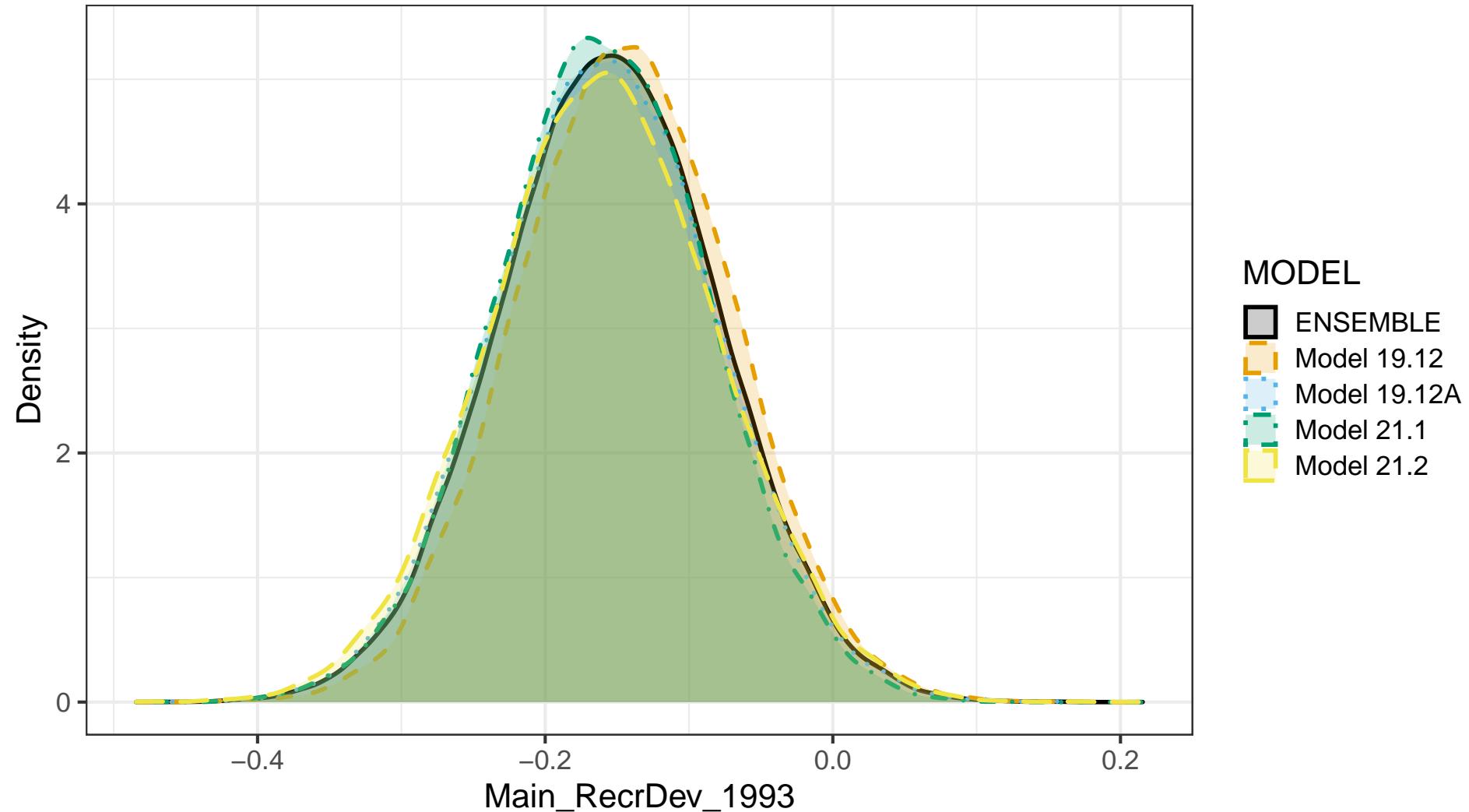
# Main\_RecrDev\_1991



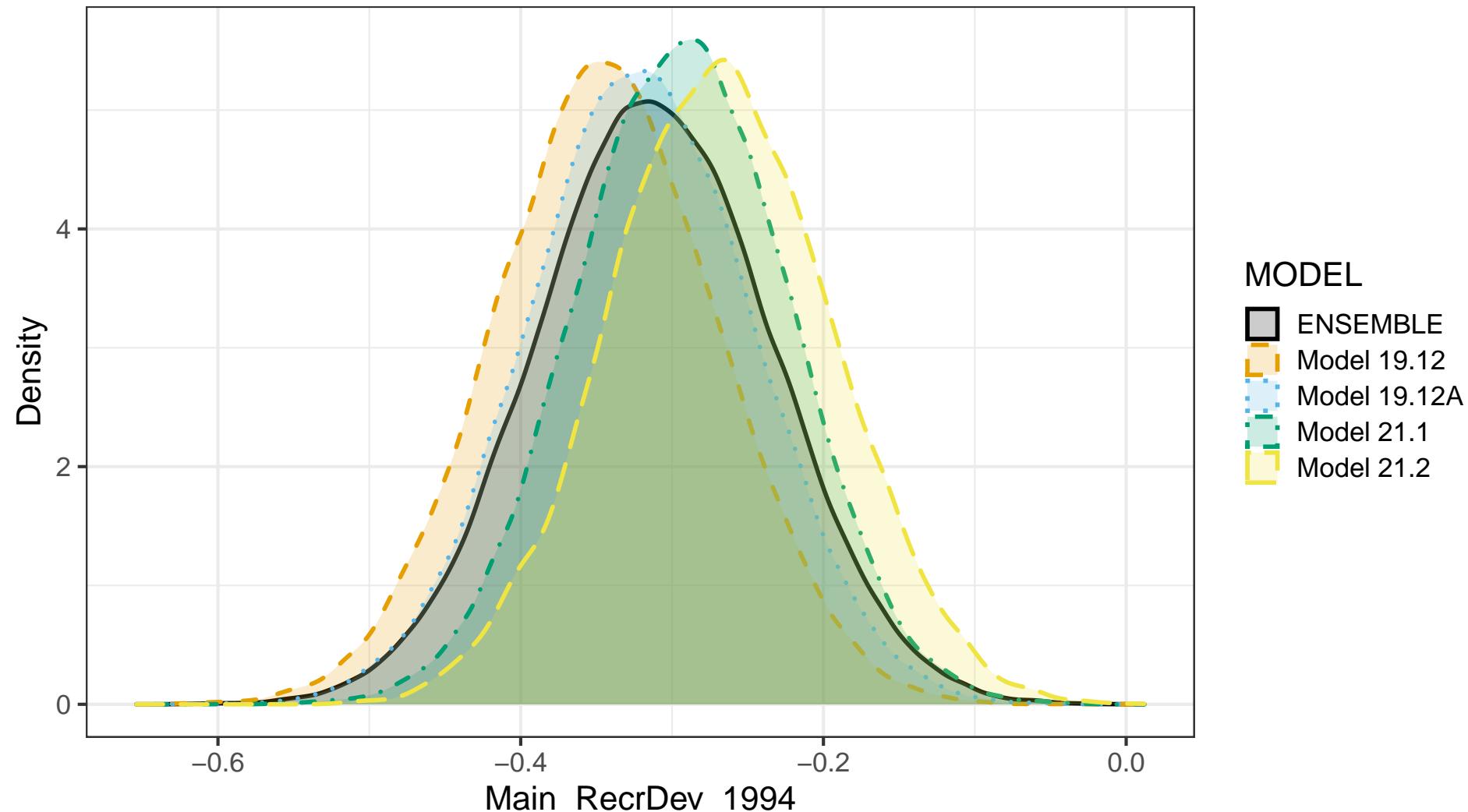
# Main\_RecrDev\_1992



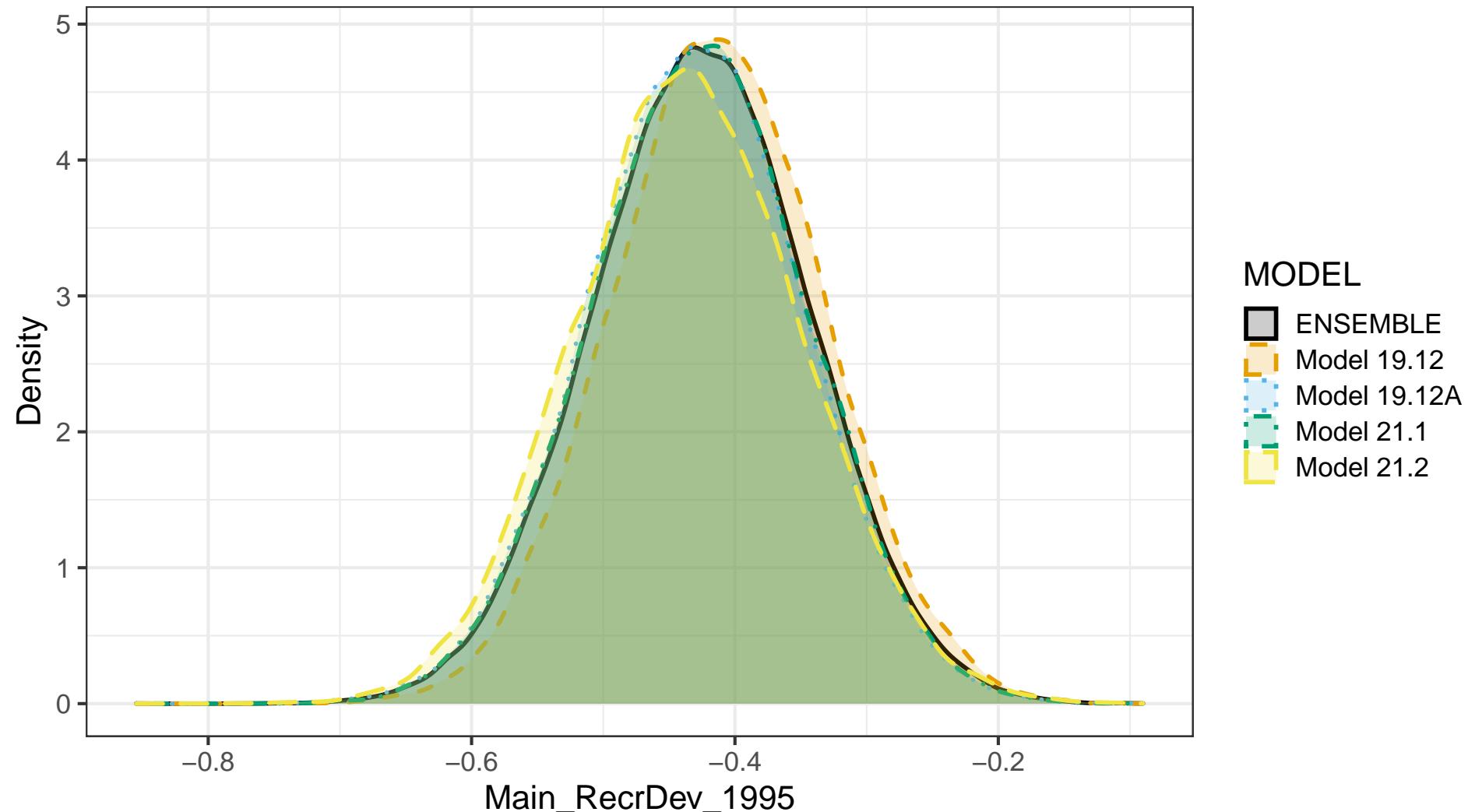
# Main\_RecrDev\_1993



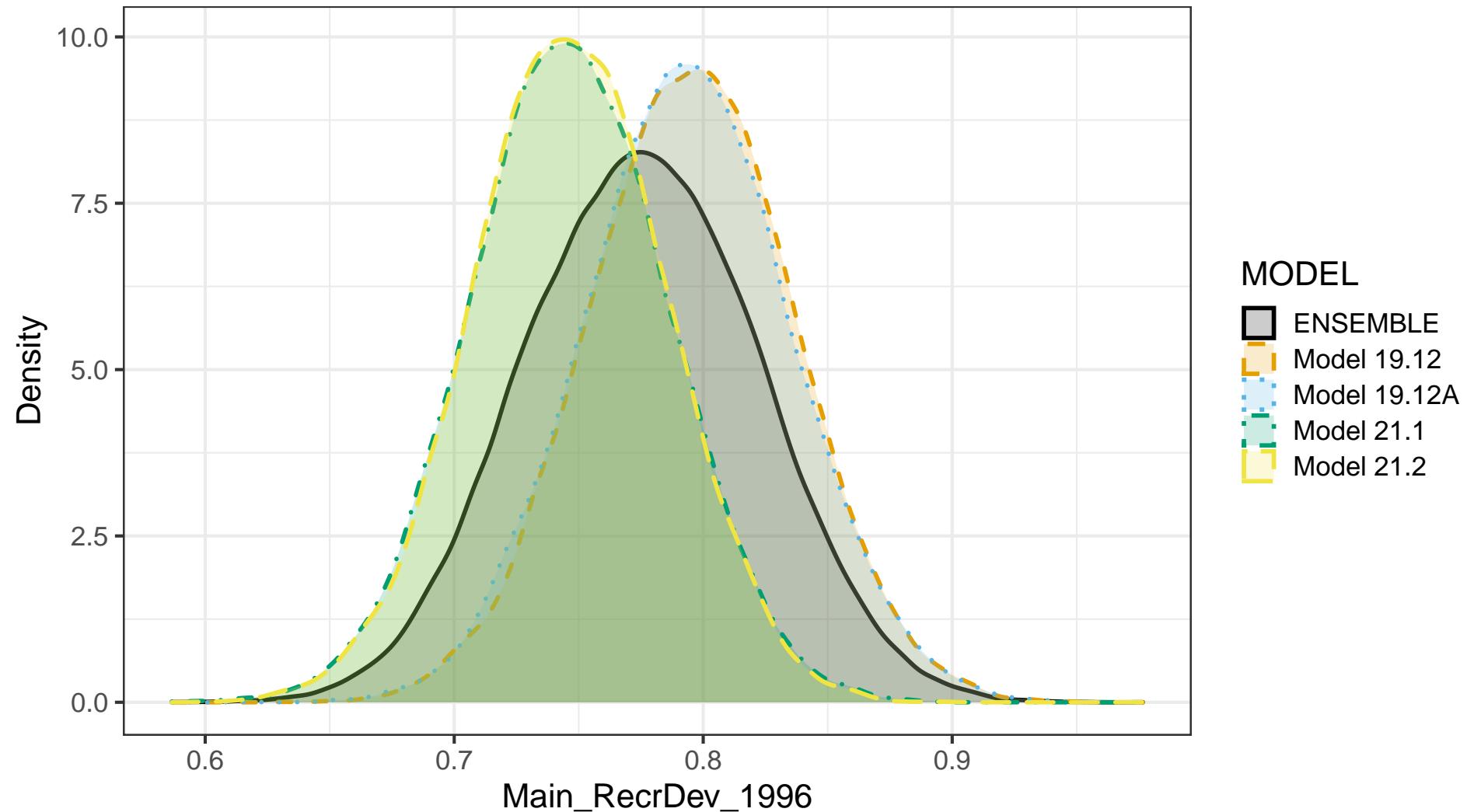
# Main\_RecrDev\_1994



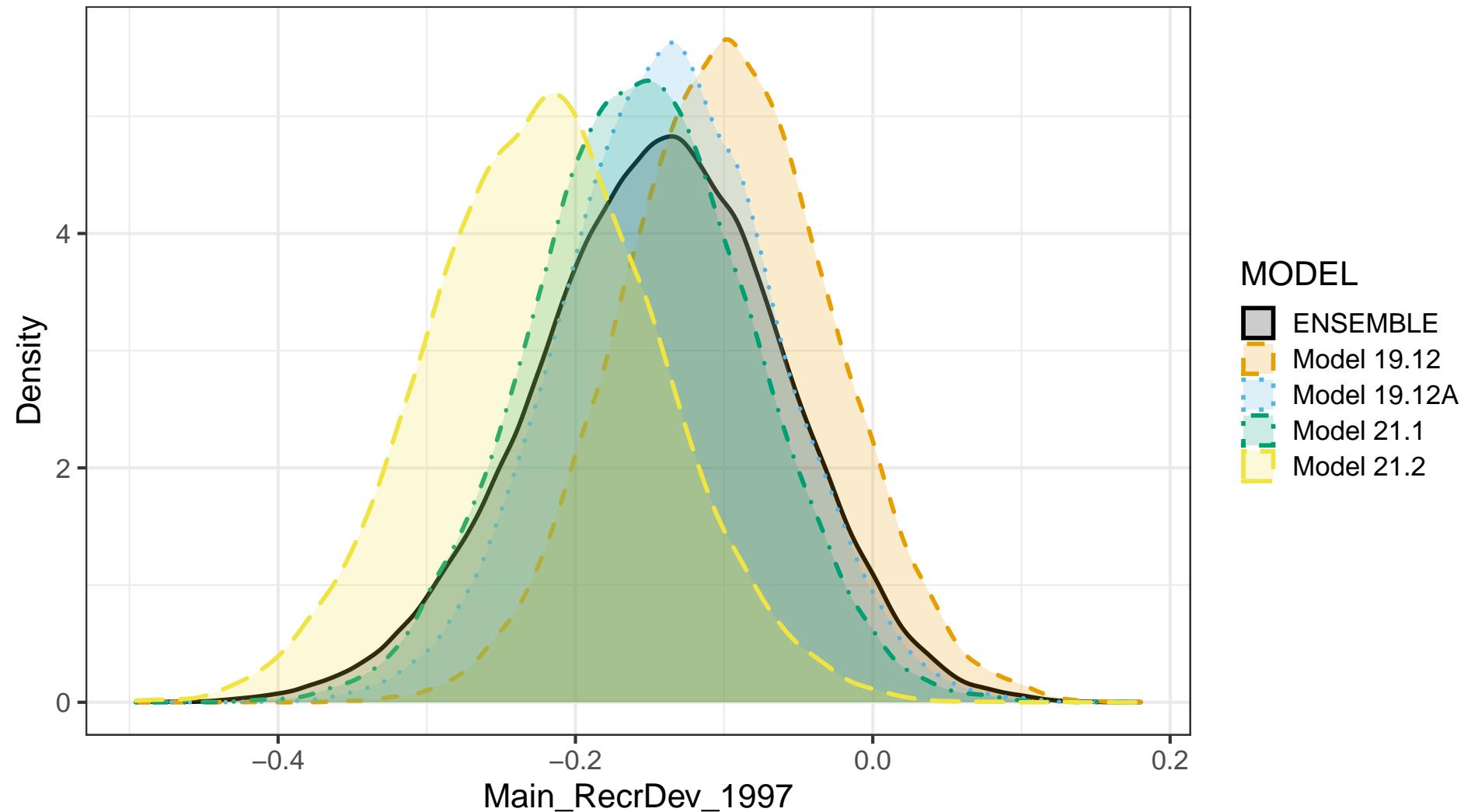
# Main\_RecrDev\_1995



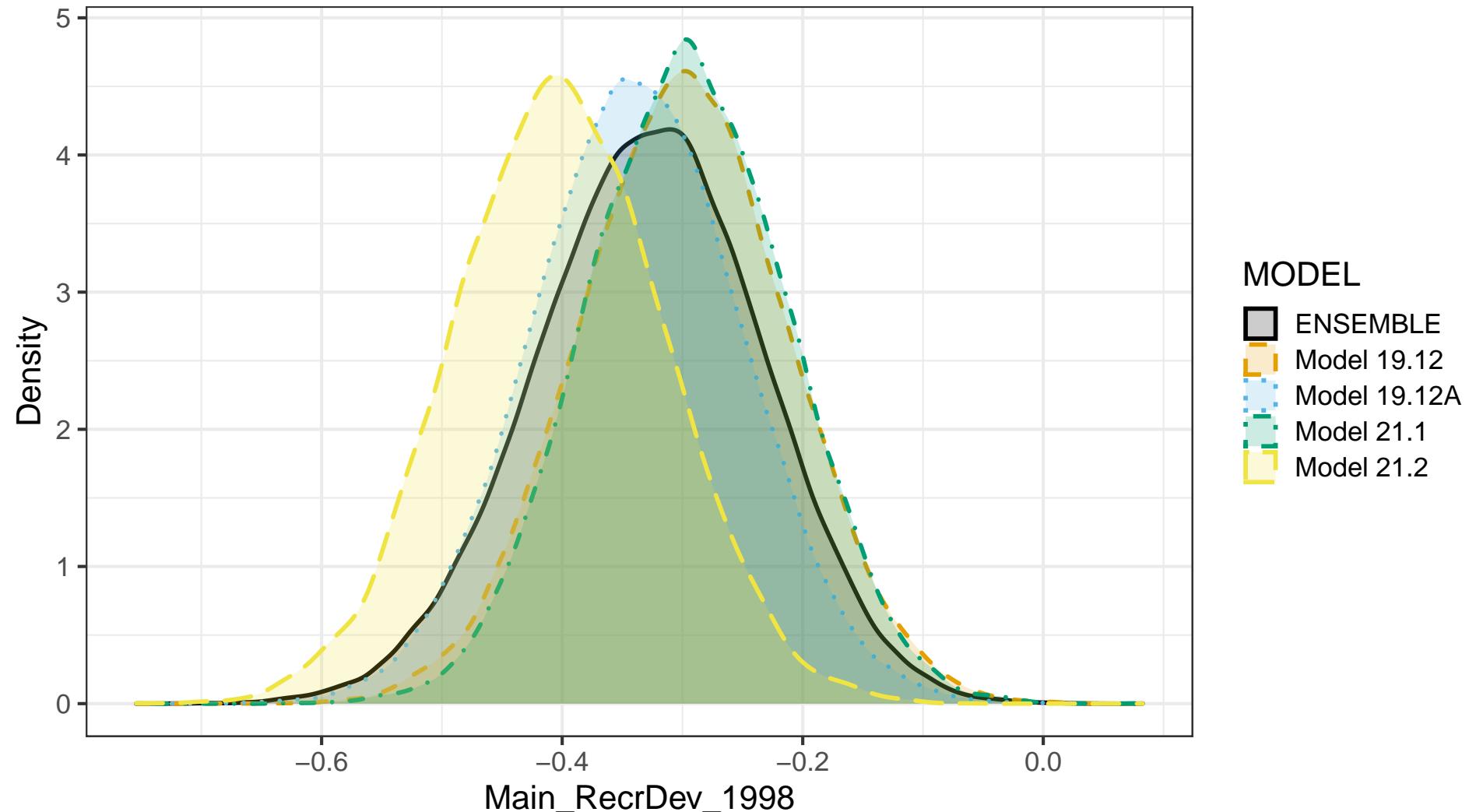
# Main\_RecrDev\_1996



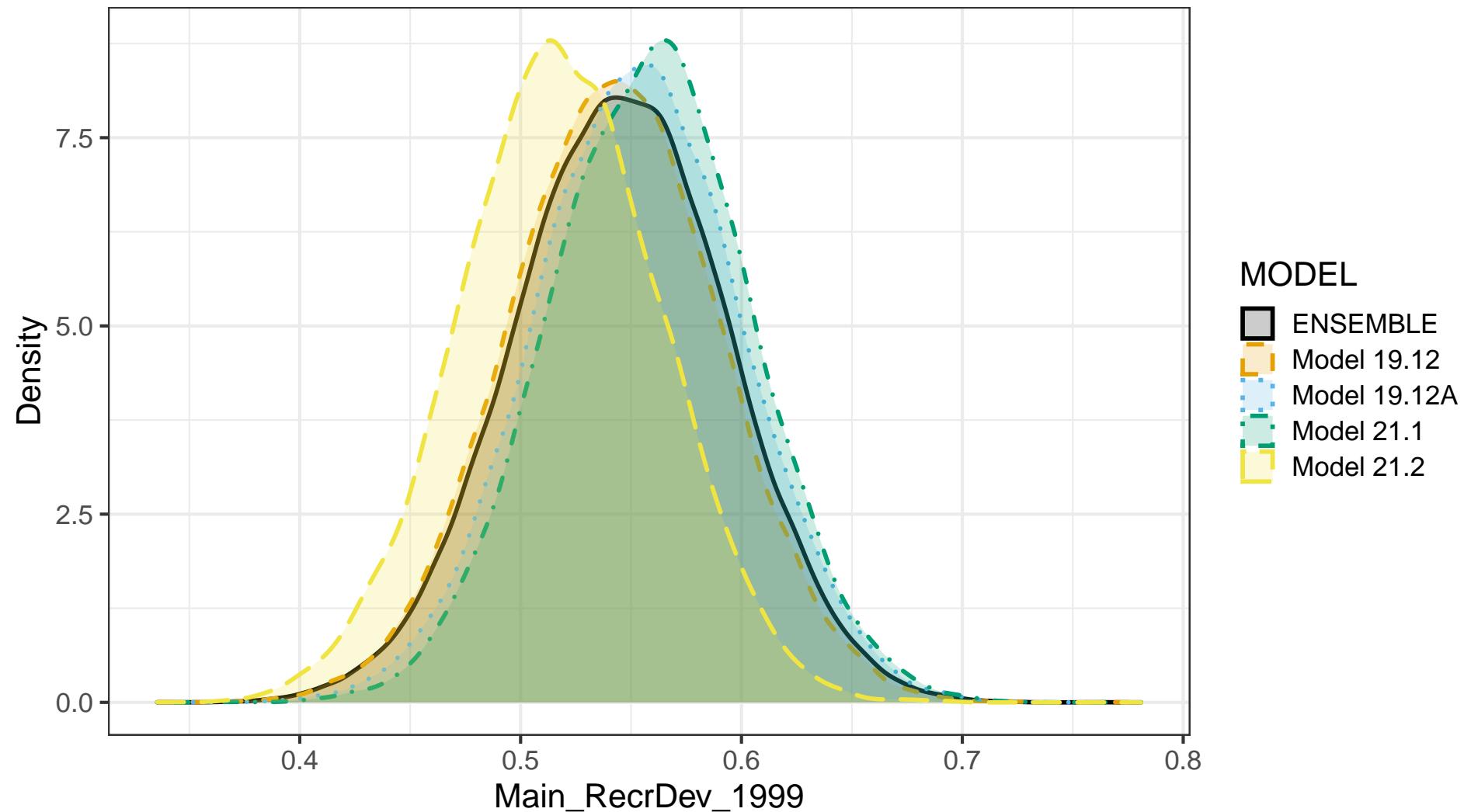
# Main\_RecrDev\_1997



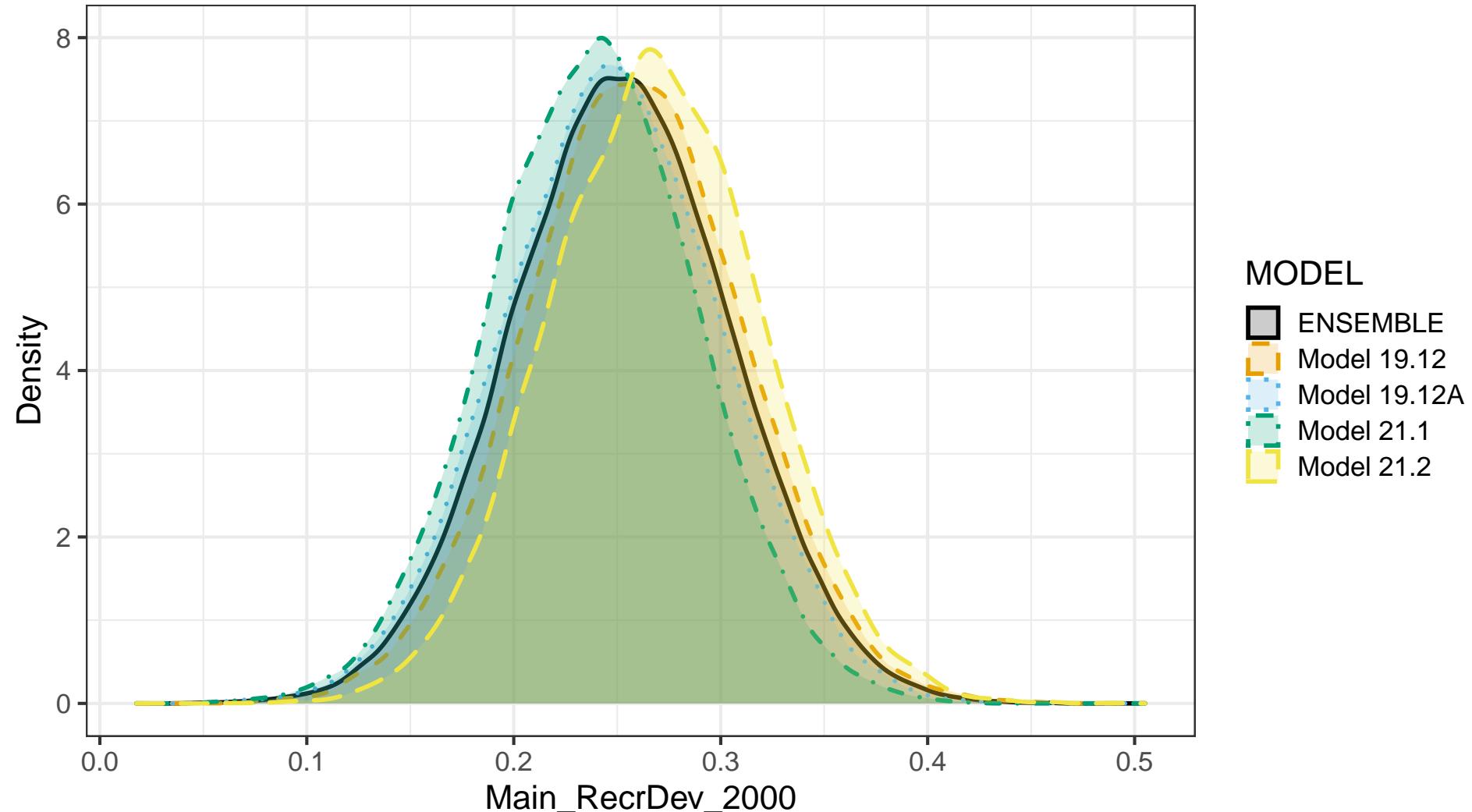
# Main\_RecrDev\_1998



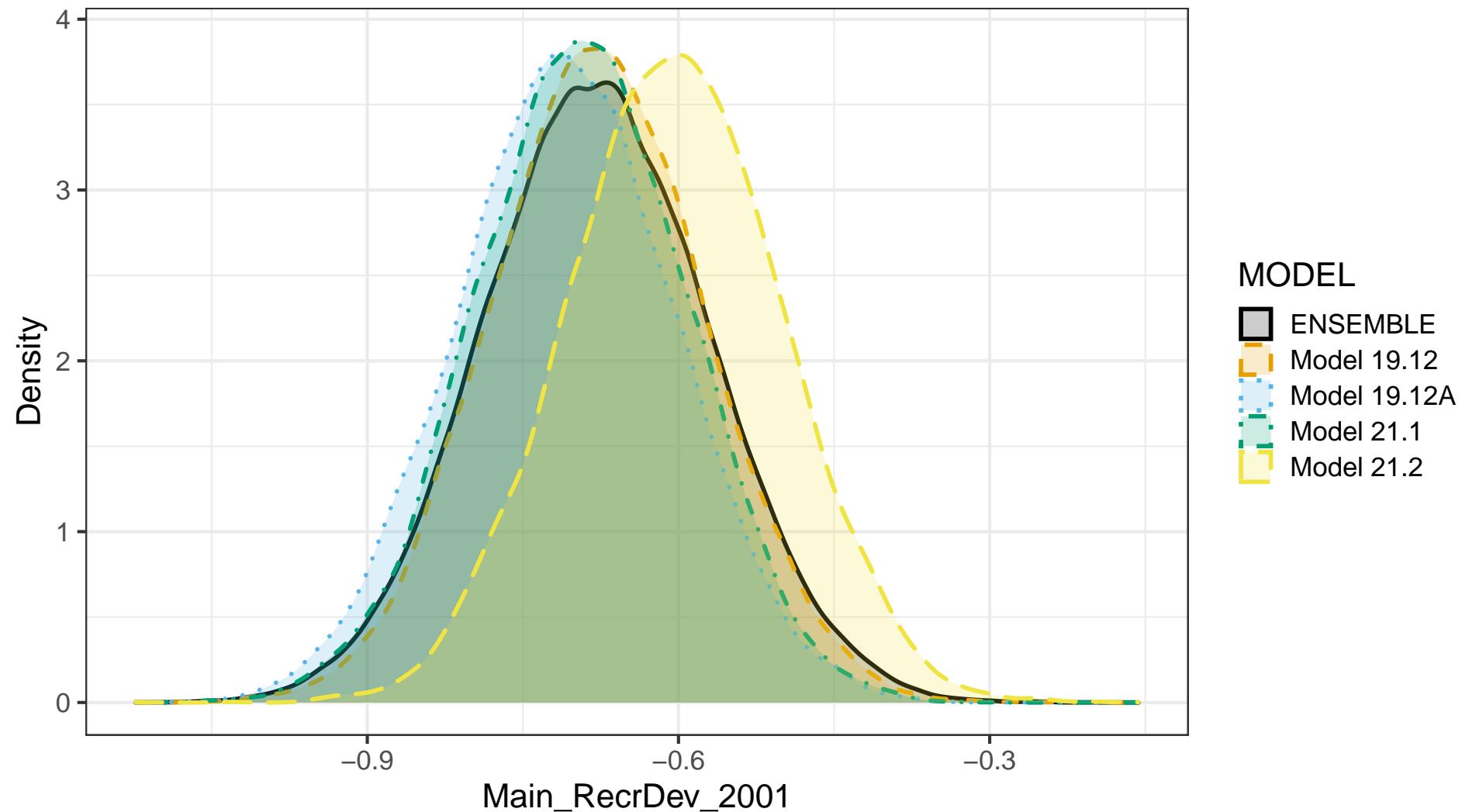
# Main\_RecrDev\_1999



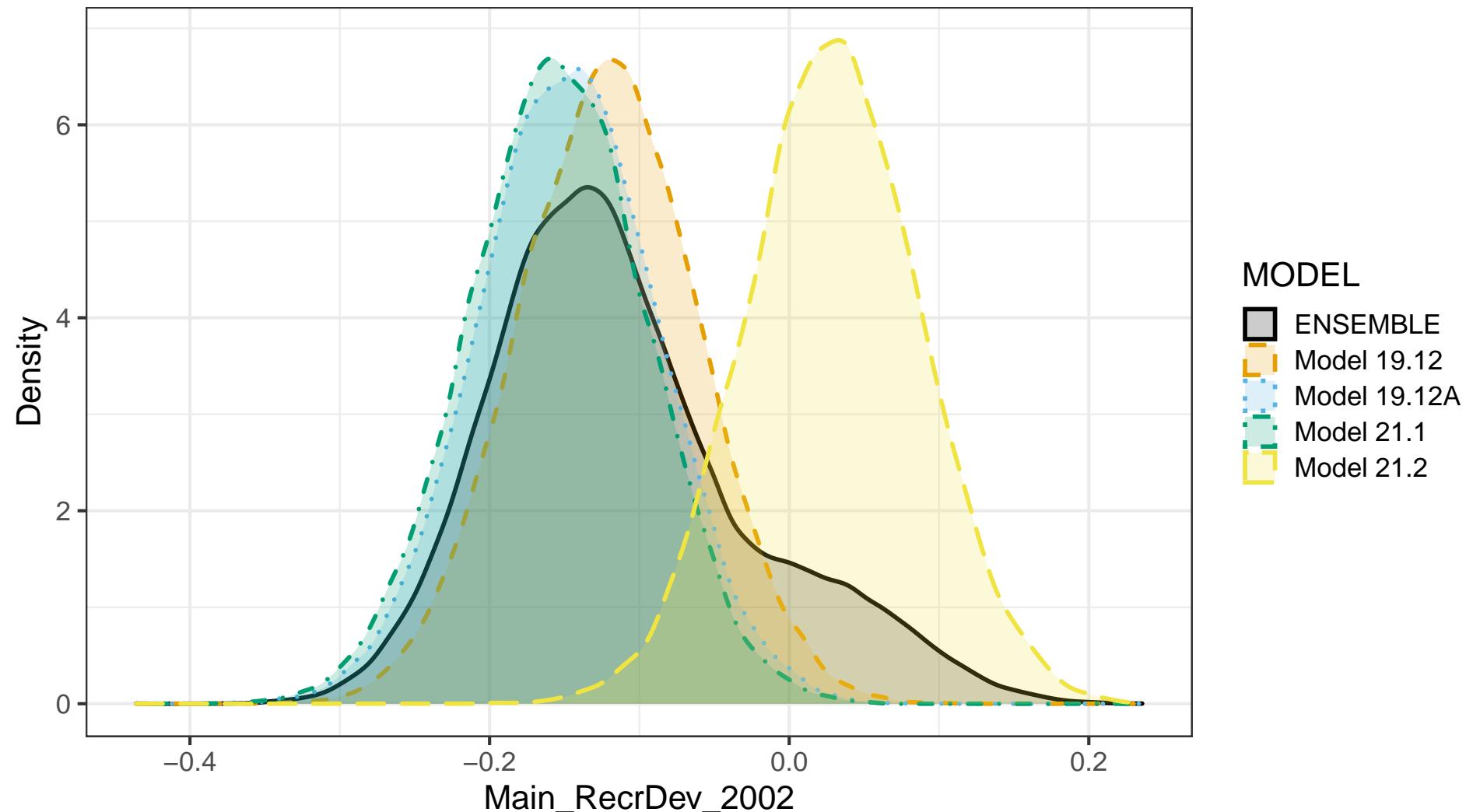
# Main\_RecrDev\_2000



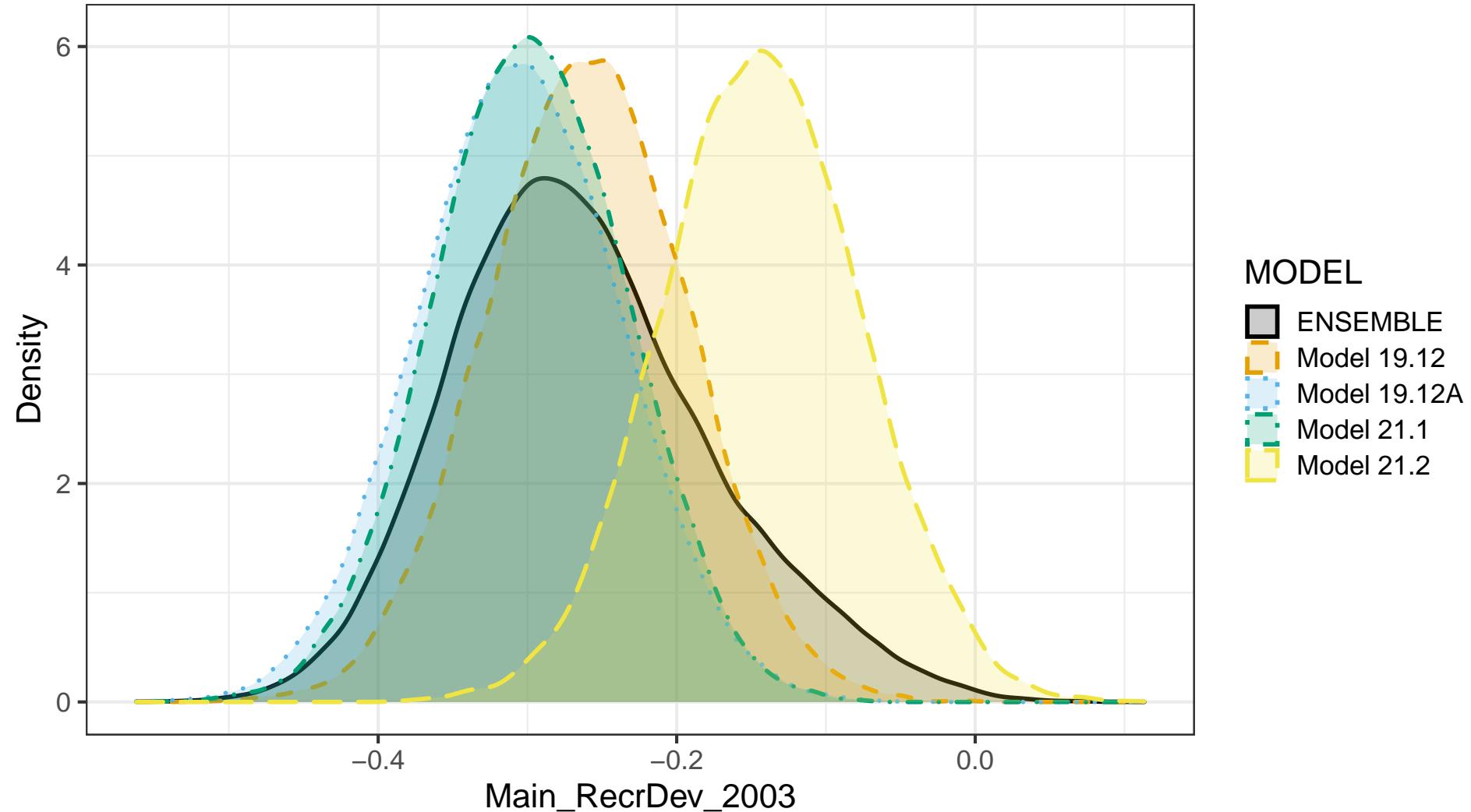
# Main\_RecrDev\_2001



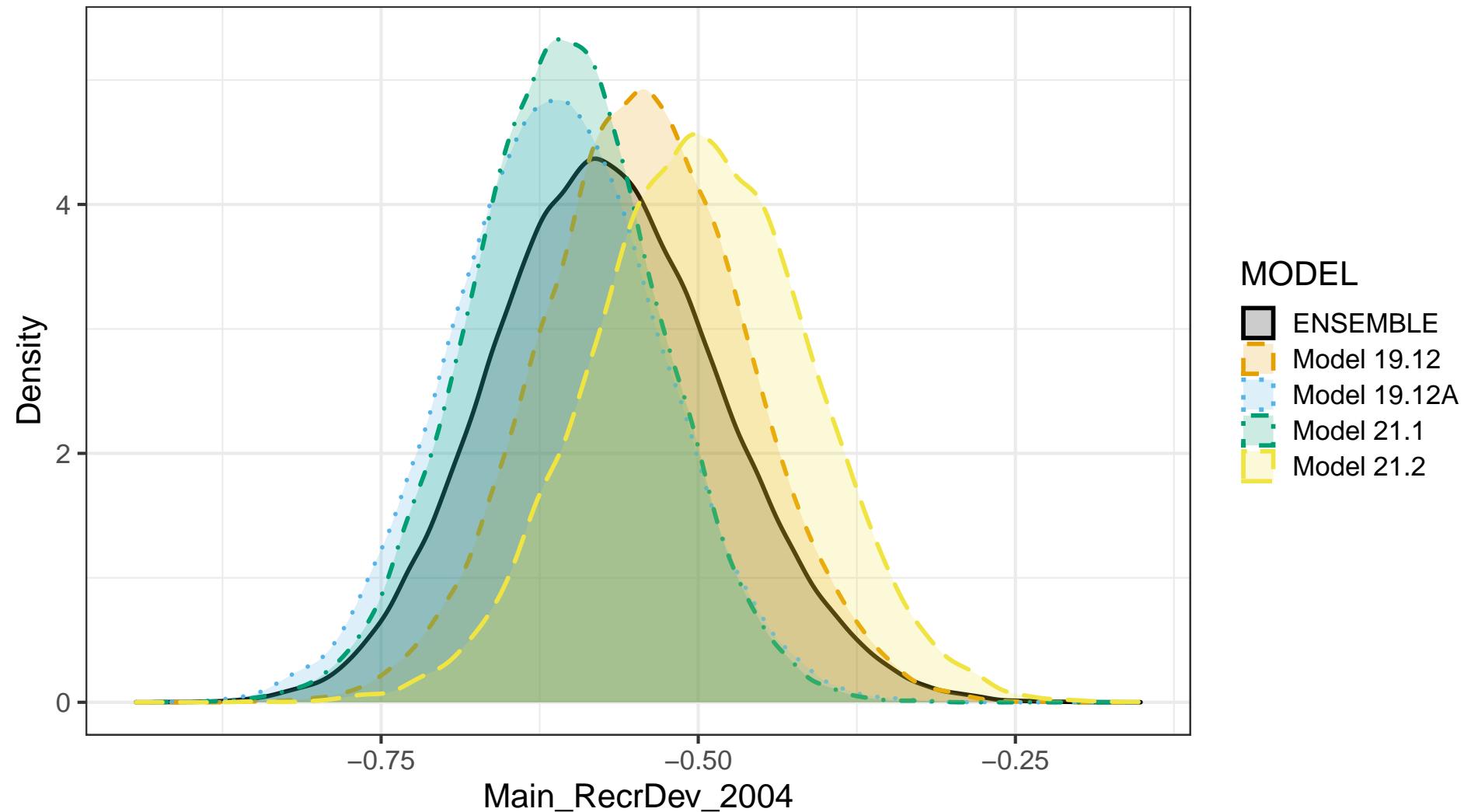
# Main\_RecrDev\_2002



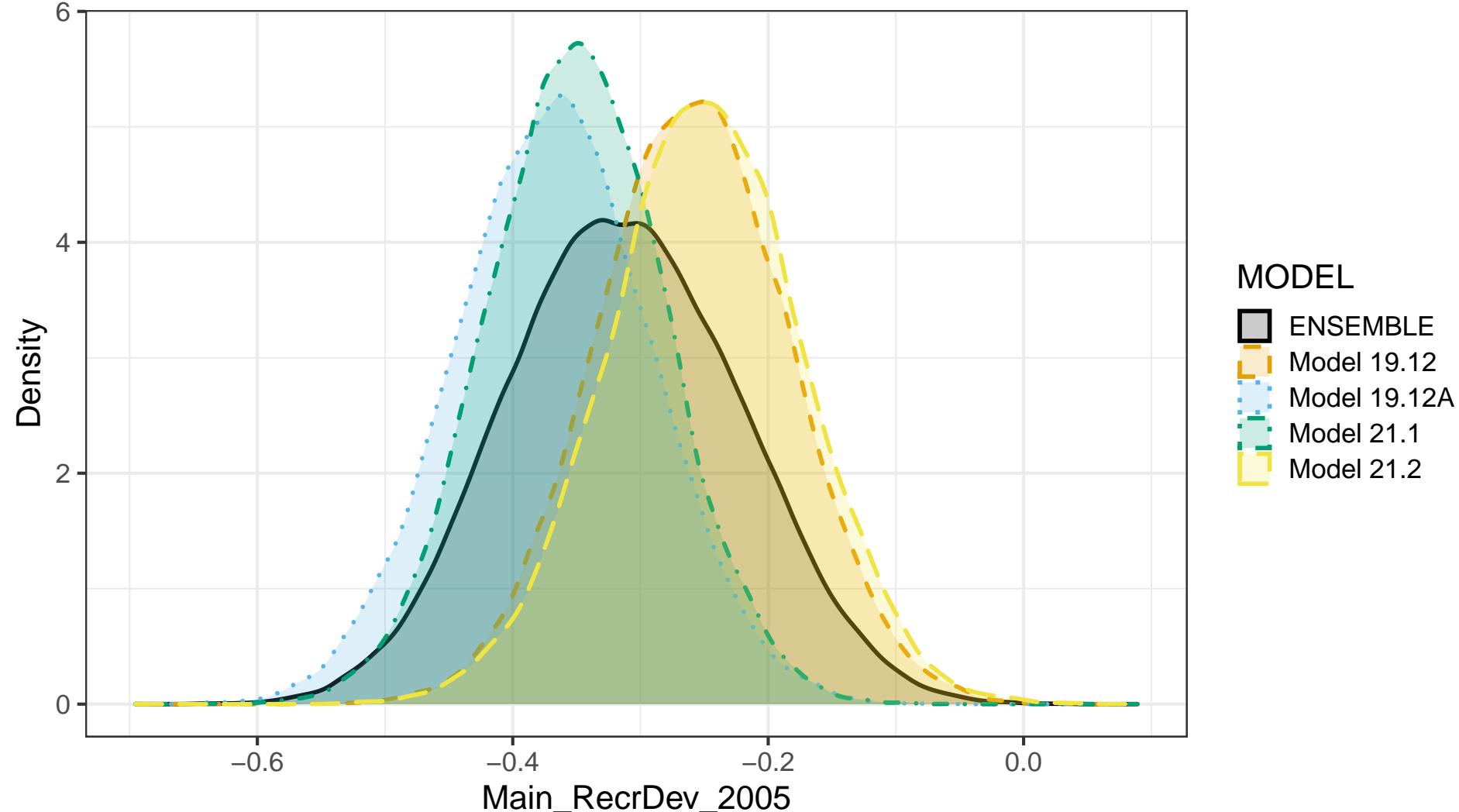
# Main\_RecrDev\_2003



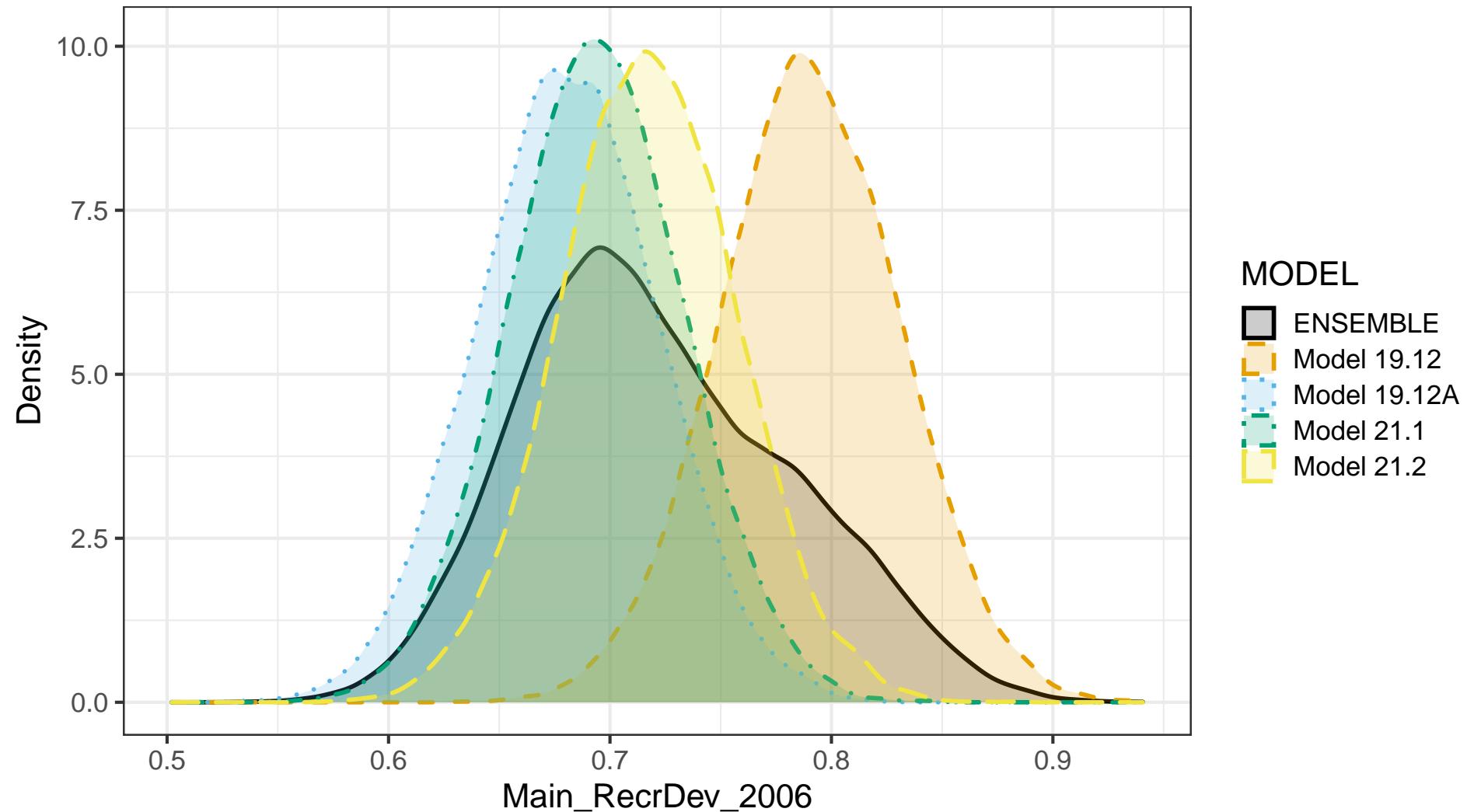
# Main\_RecrDev\_2004



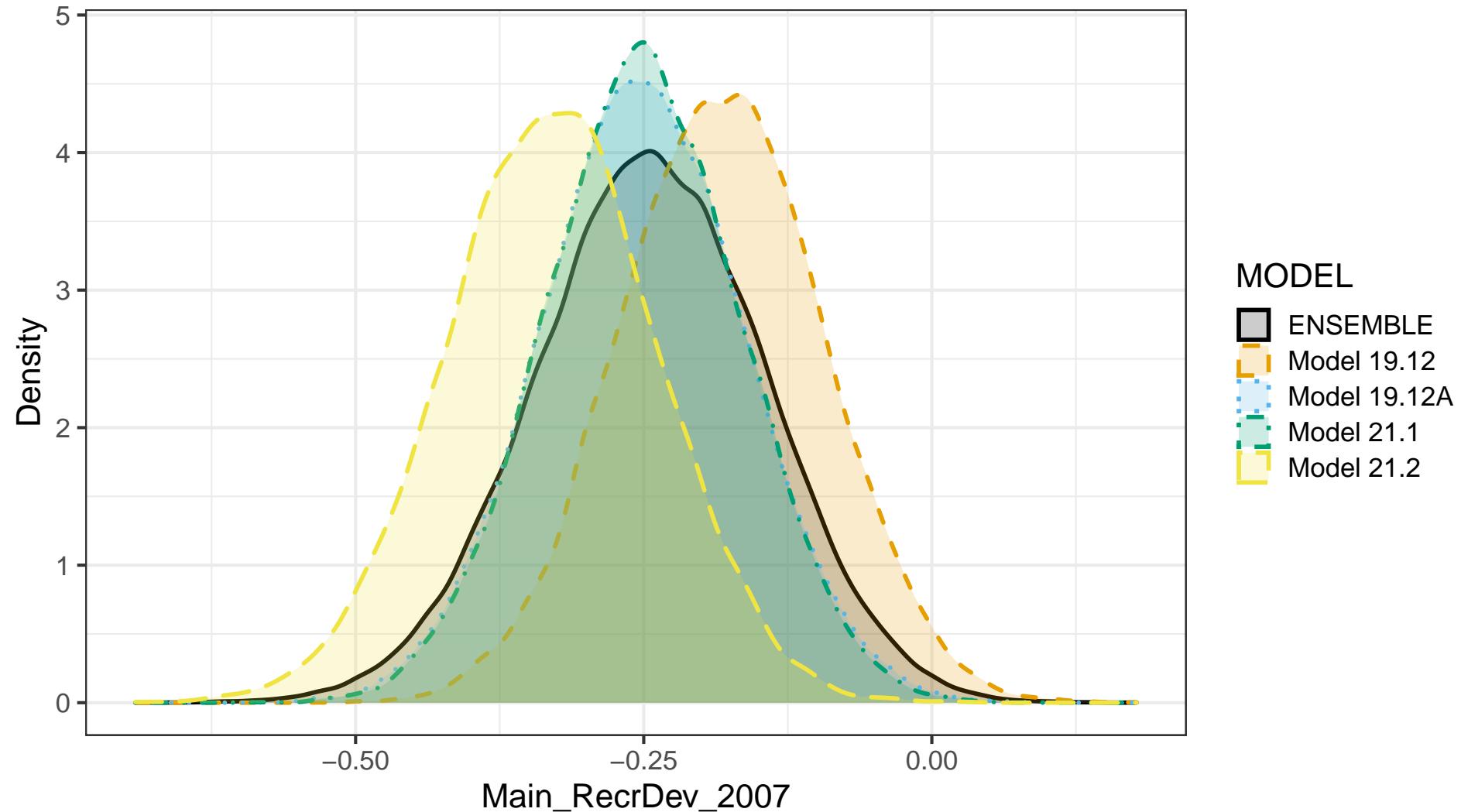
# Main\_RecrDev\_2005



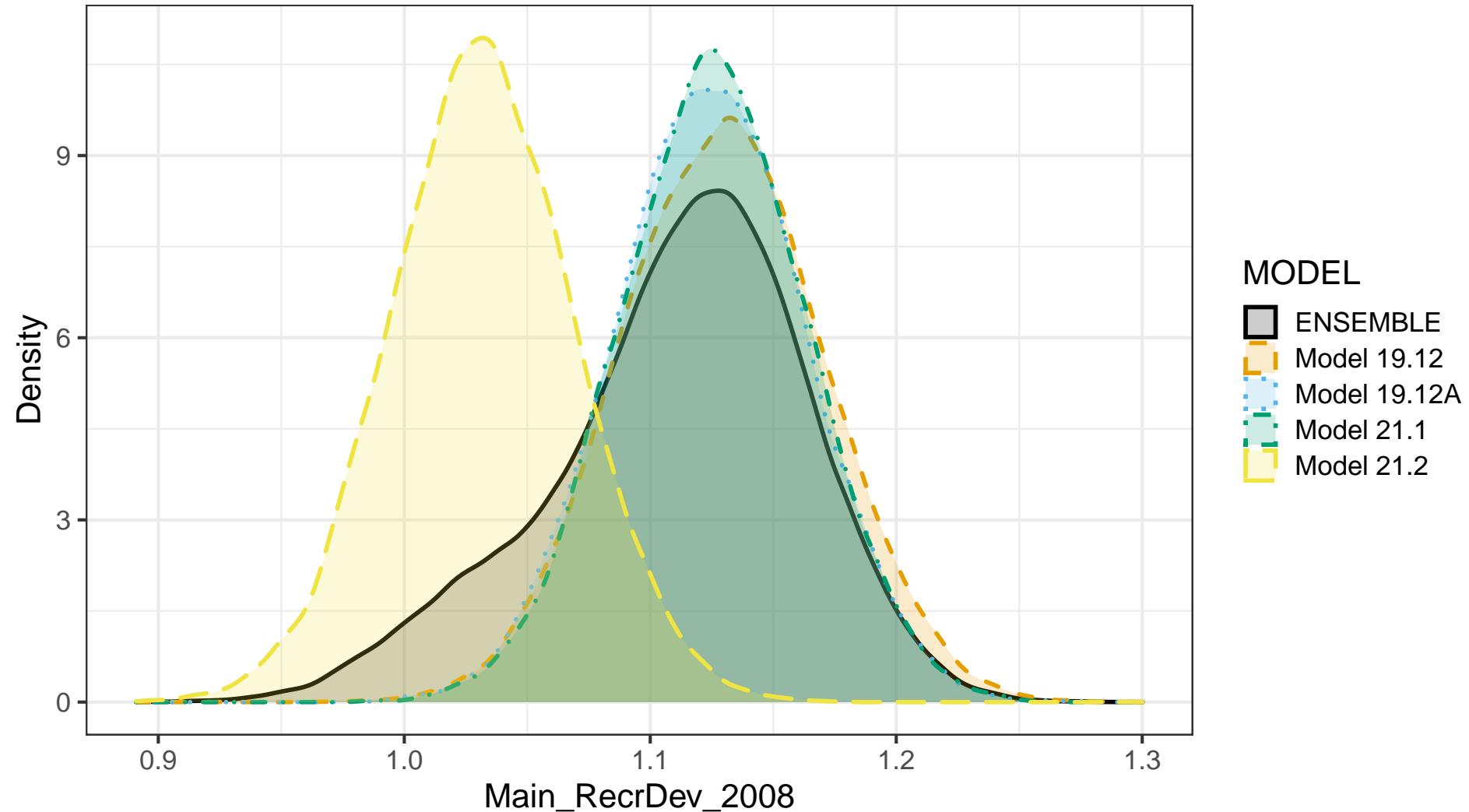
# Main\_RecrDev\_2006



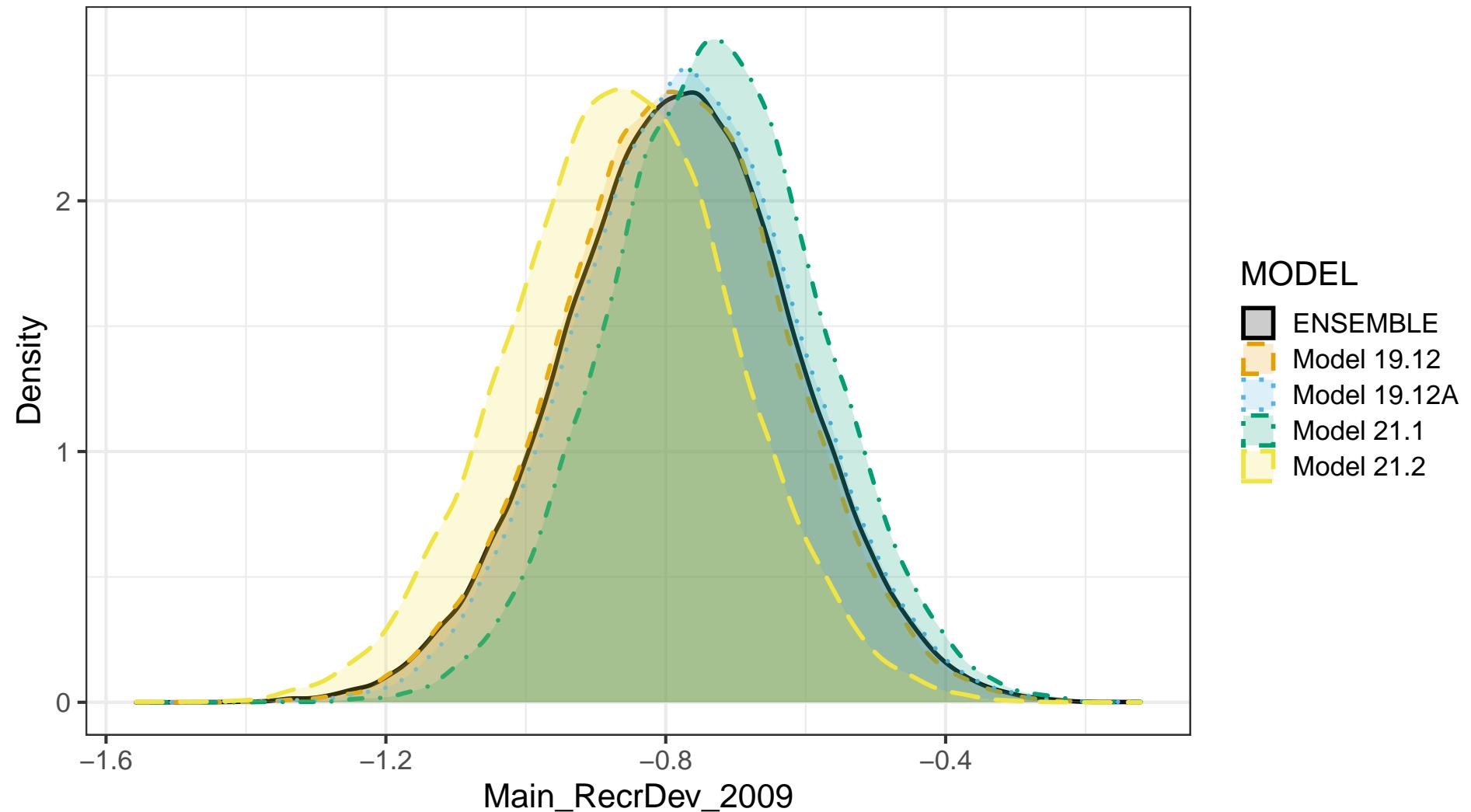
# Main\_RecrDev\_2007



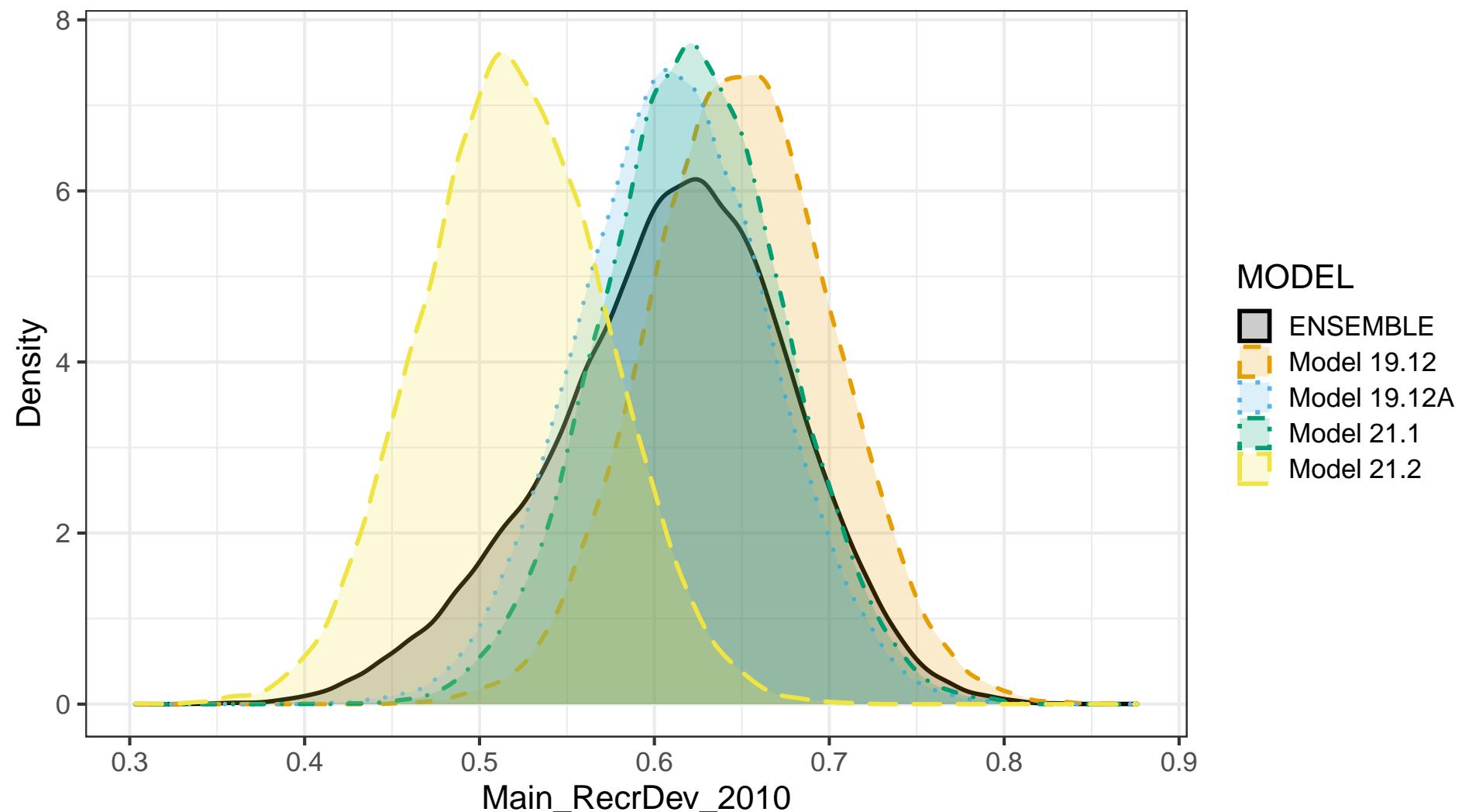
# Main\_RecrDev\_2008



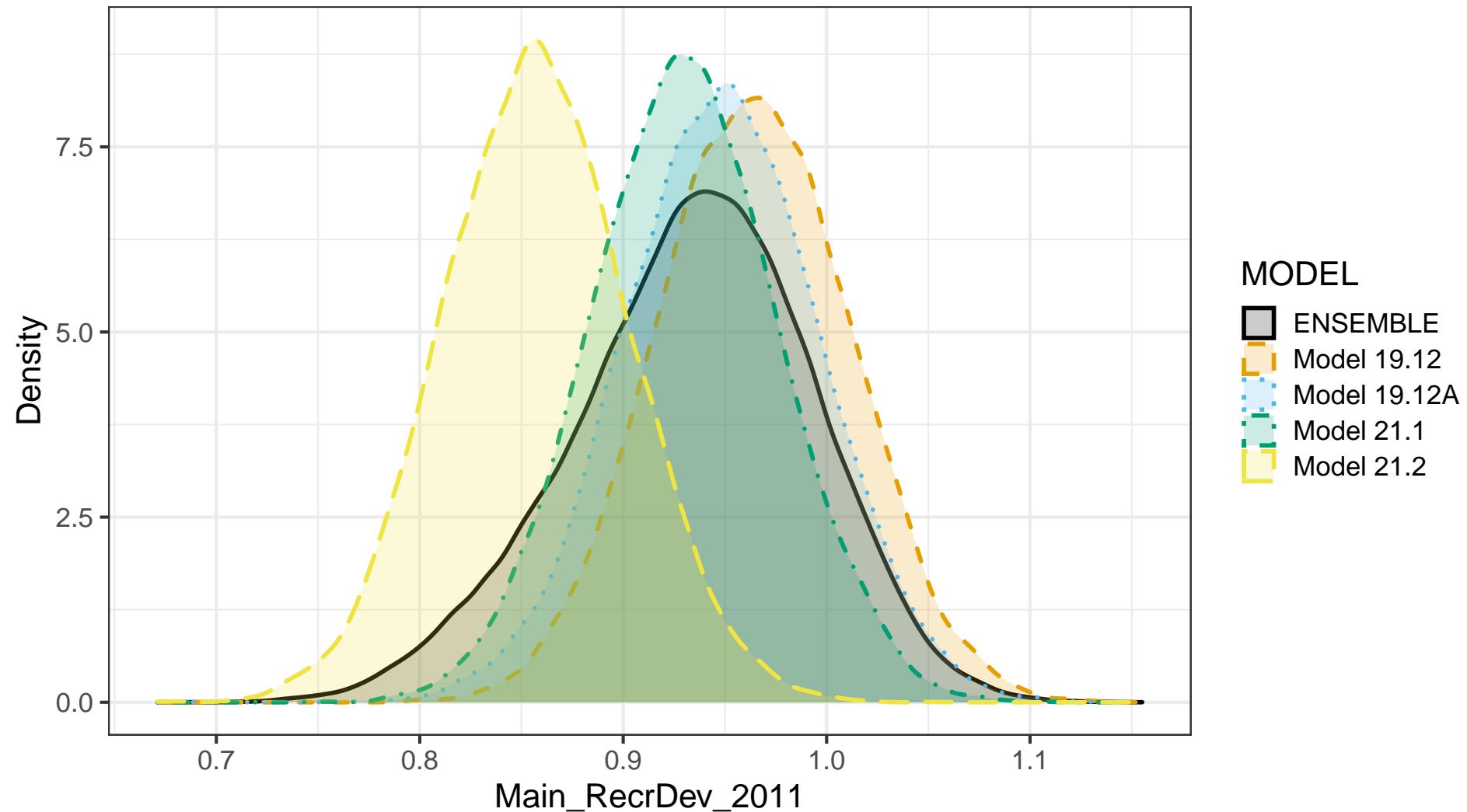
# Main\_RecrDev\_2009



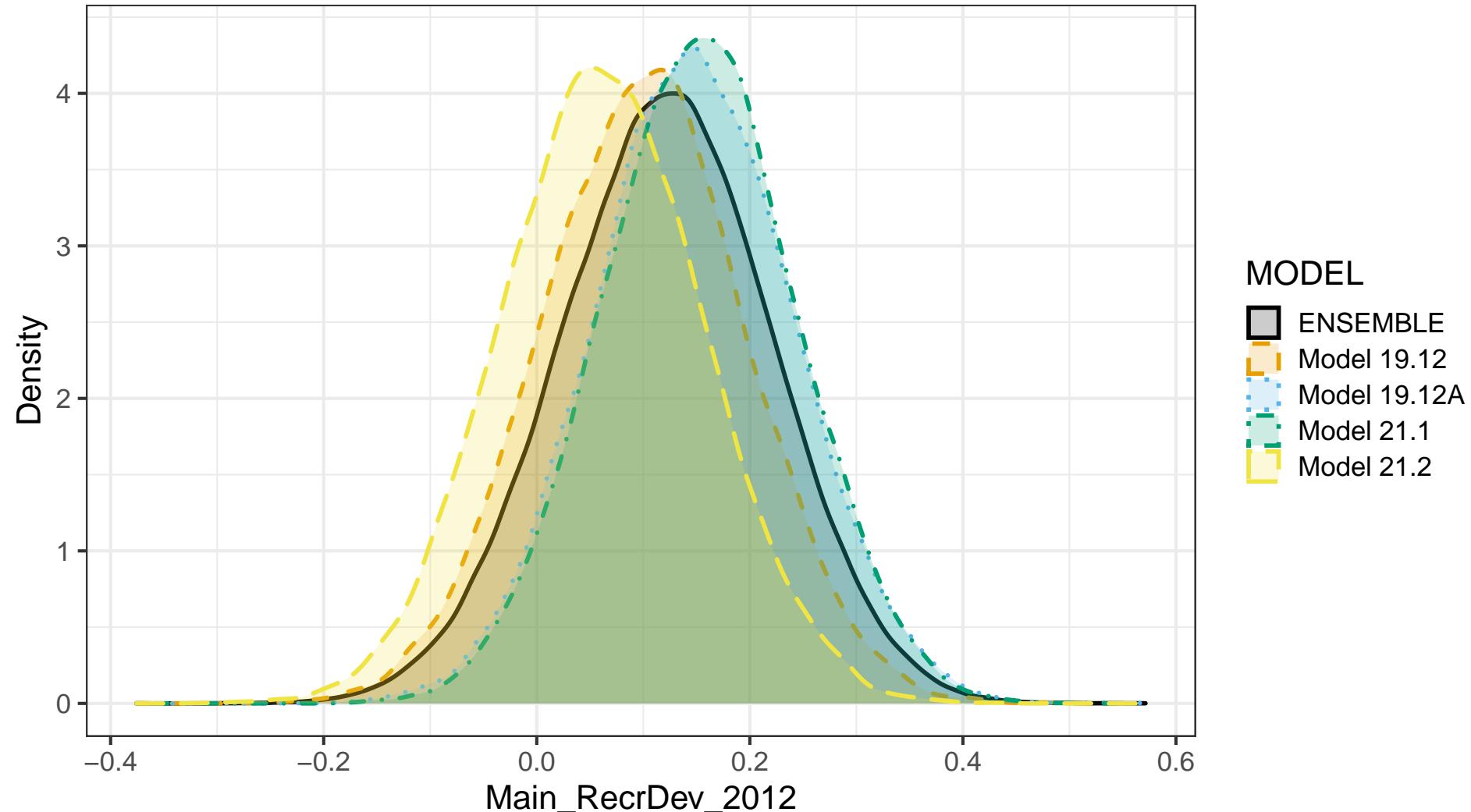
# Main\_RecrDev\_2010



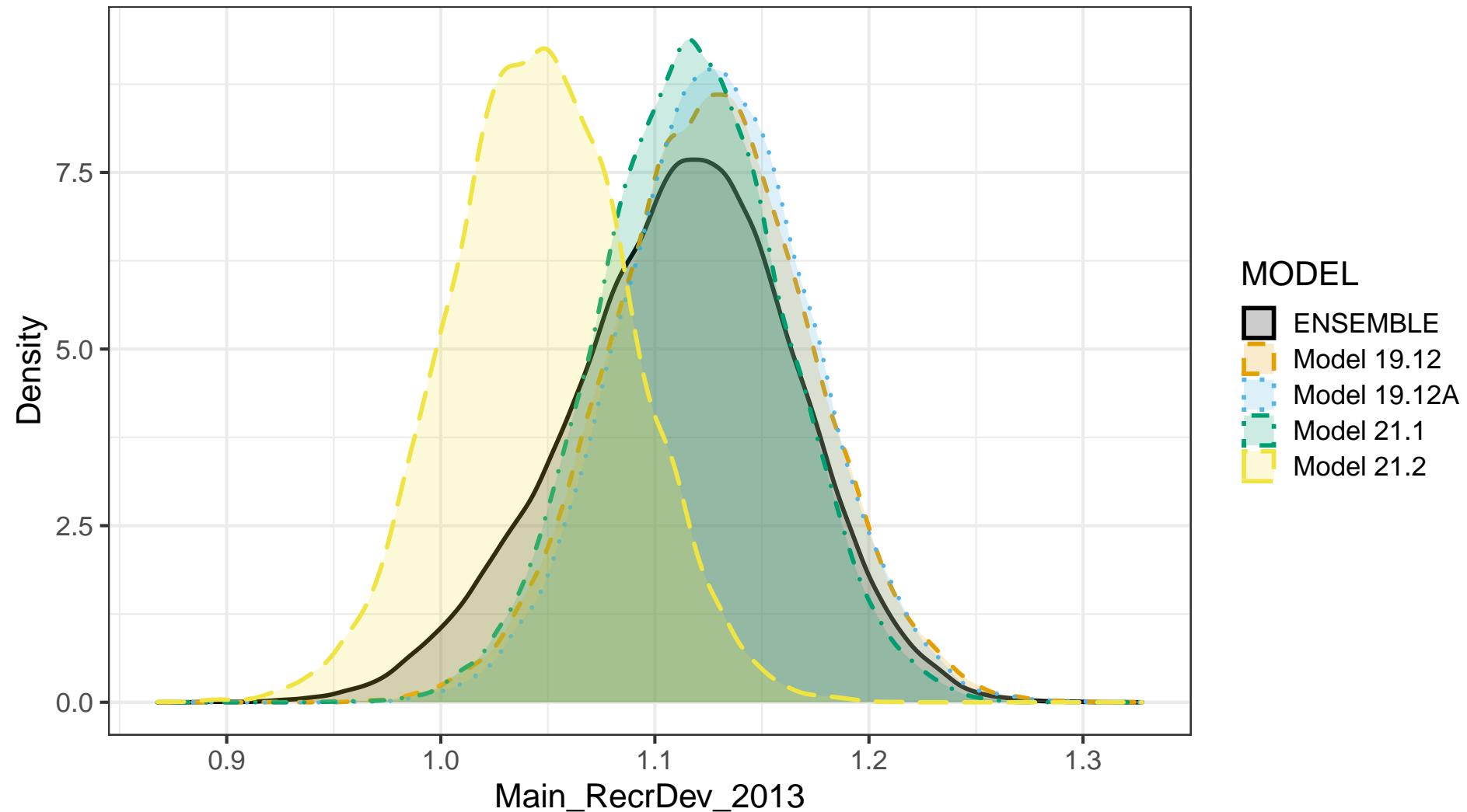
# Main\_RecrDev\_2011



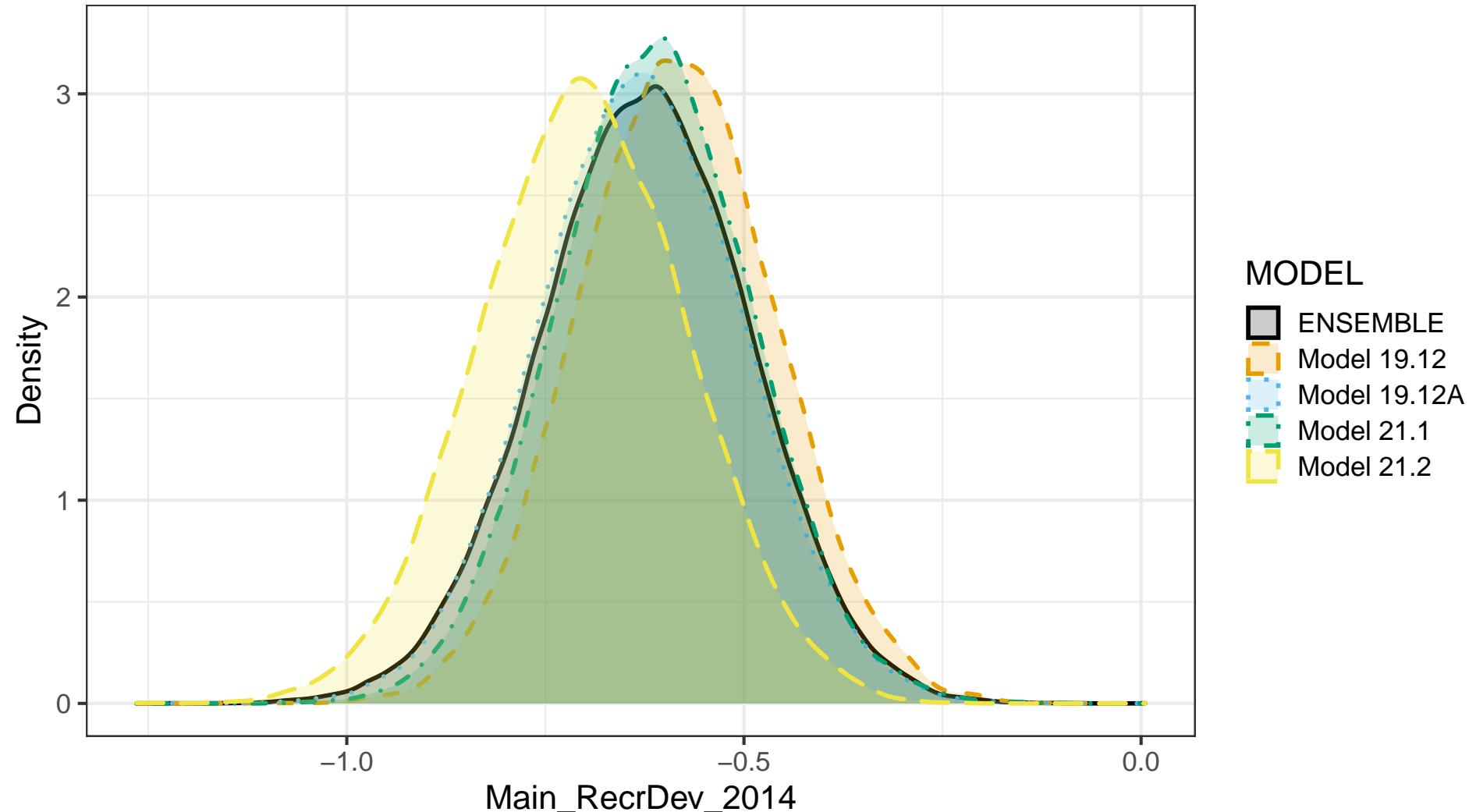
# Main\_RecrDev\_2012



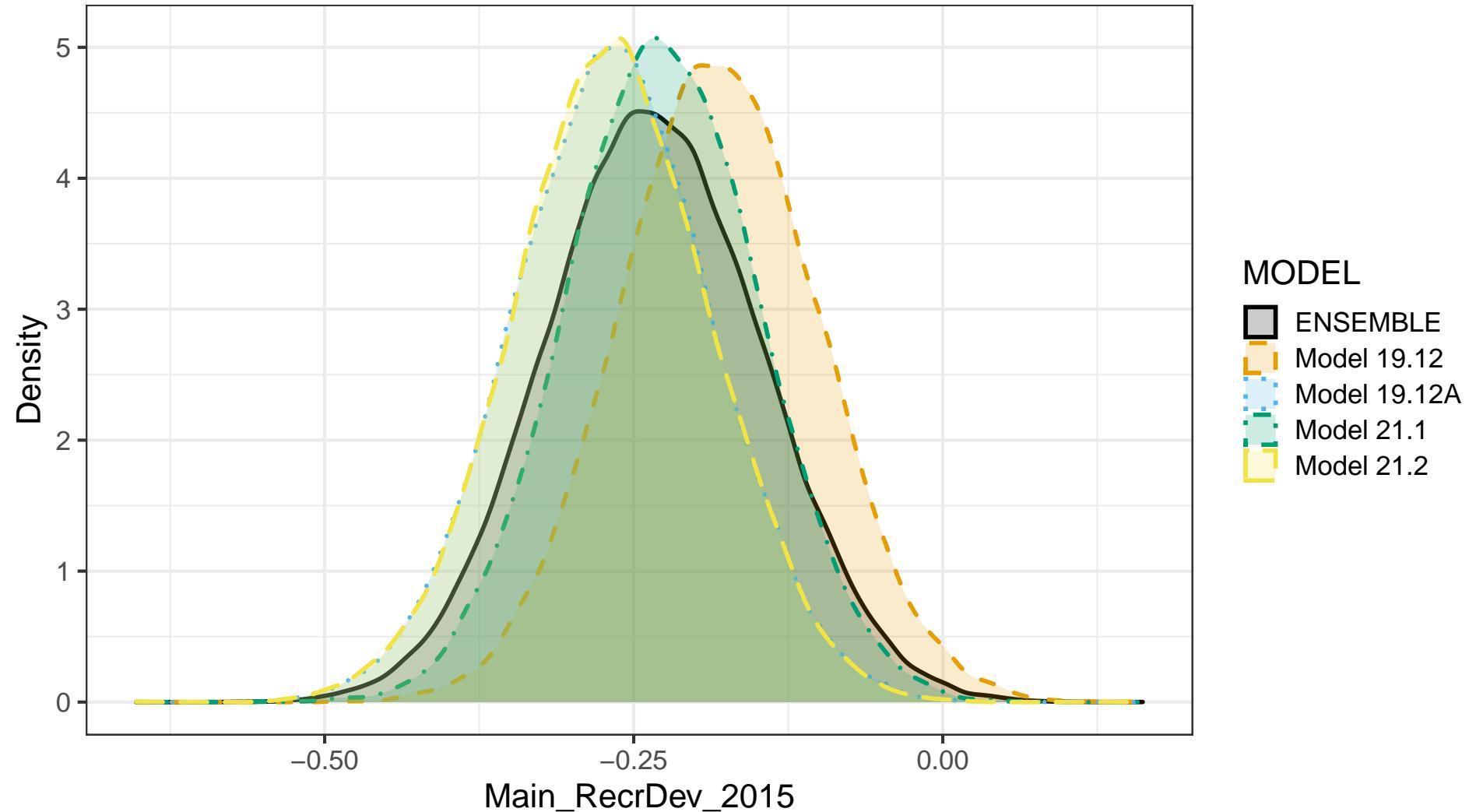
# Main\_RecrDev\_2013



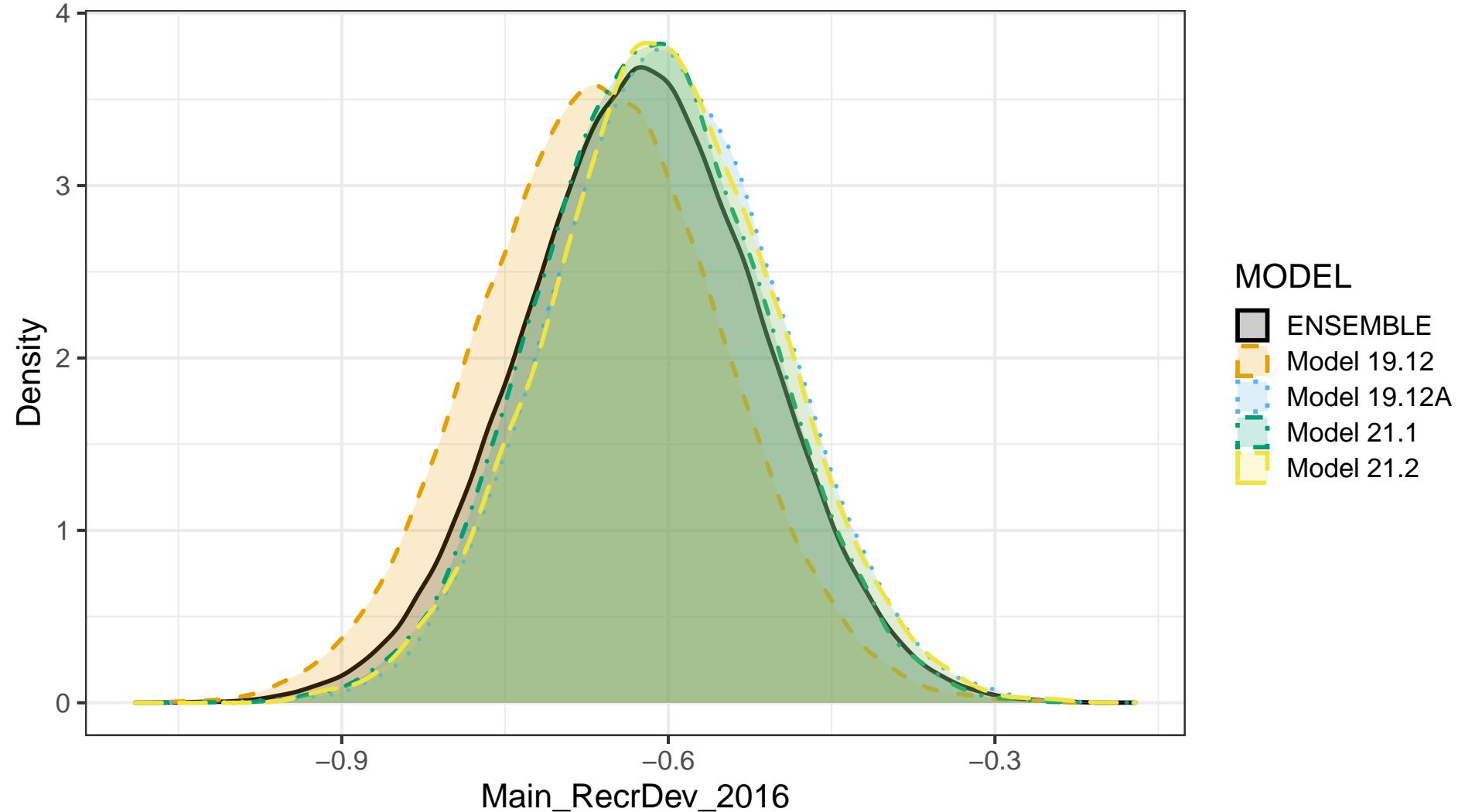
# Main\_RecrDev\_2014



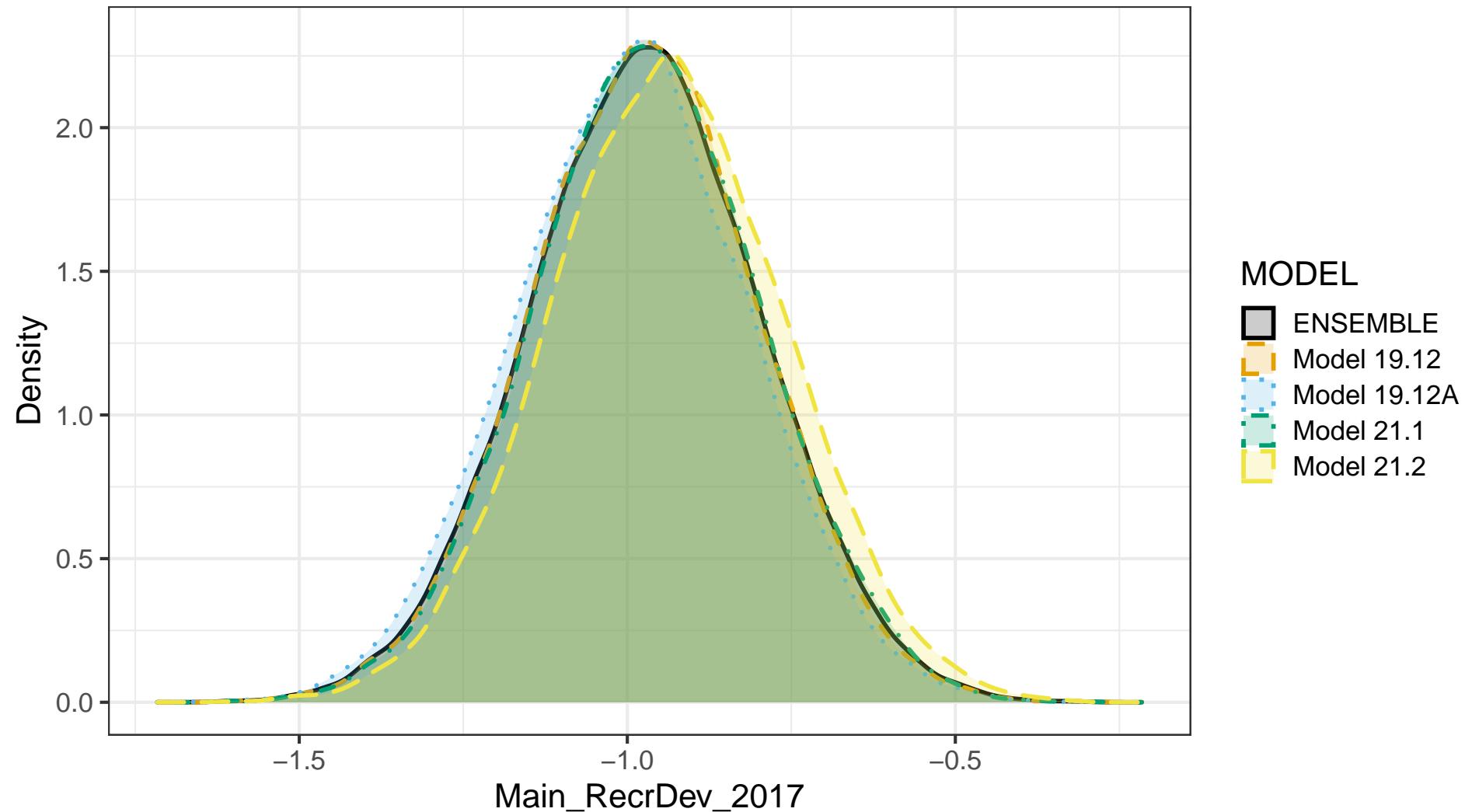
# Main\_RecrDev\_2015



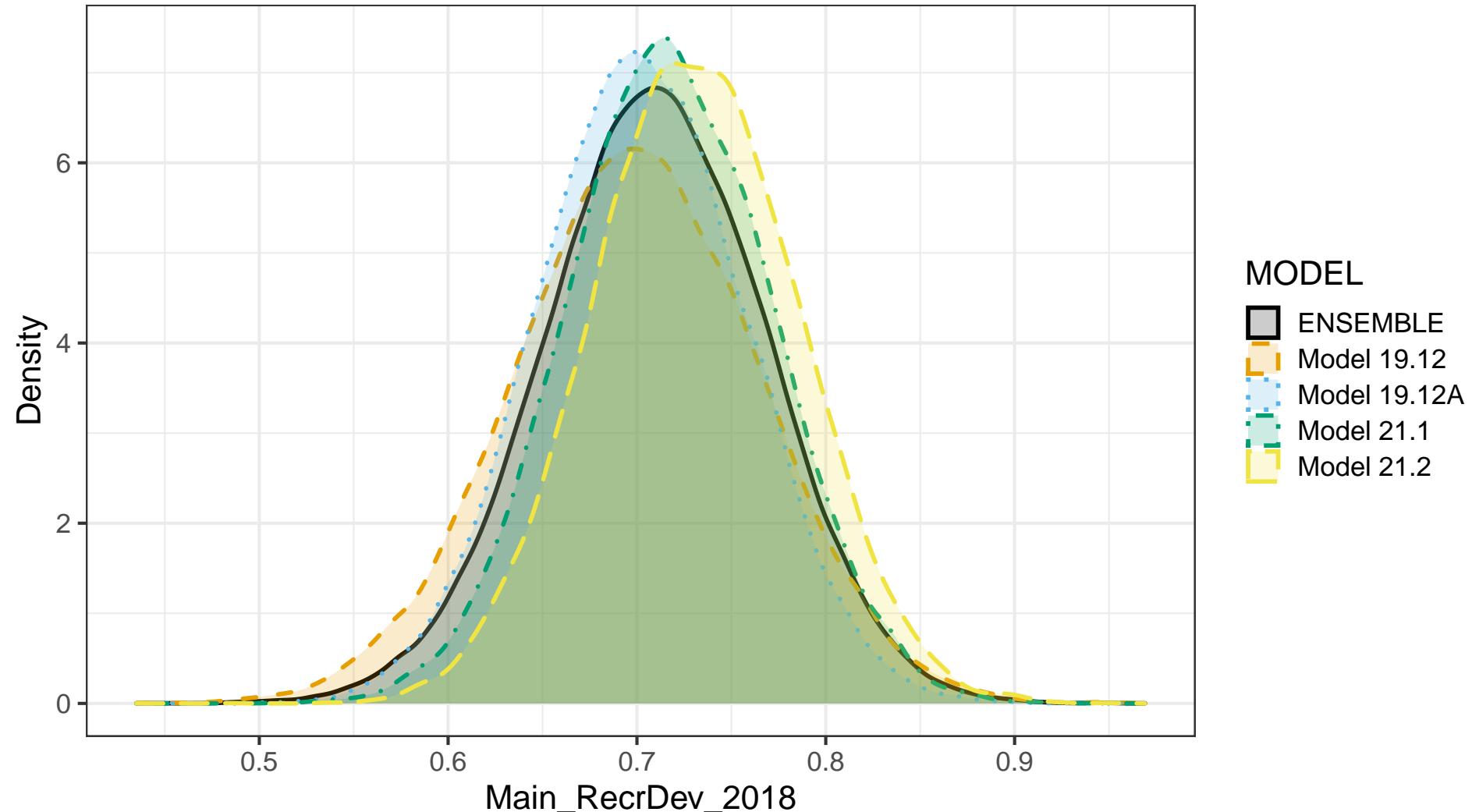
# Main\_RecrDev\_2016



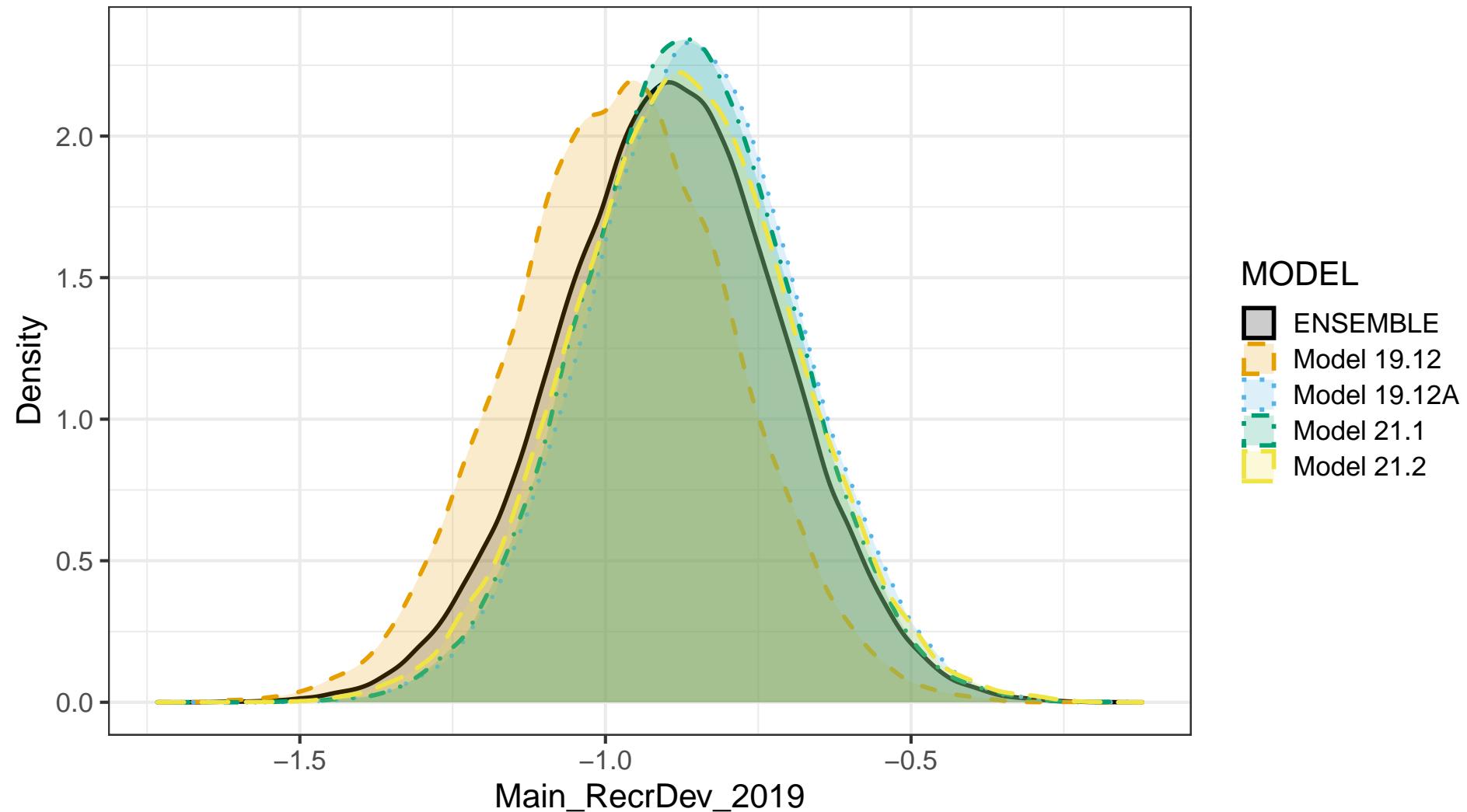
# Main\_RecrDev\_2017



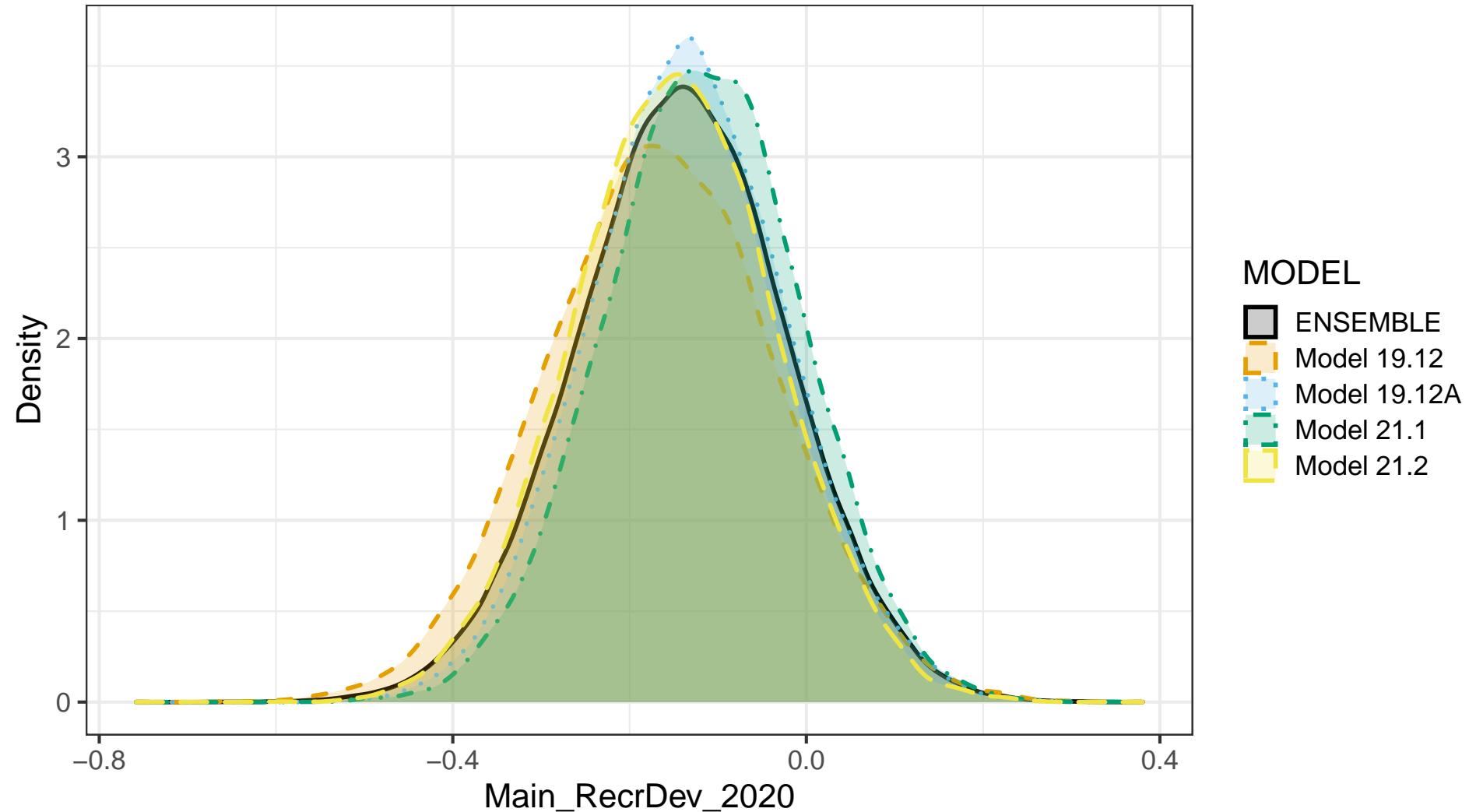
# Main\_RecrDev\_2018



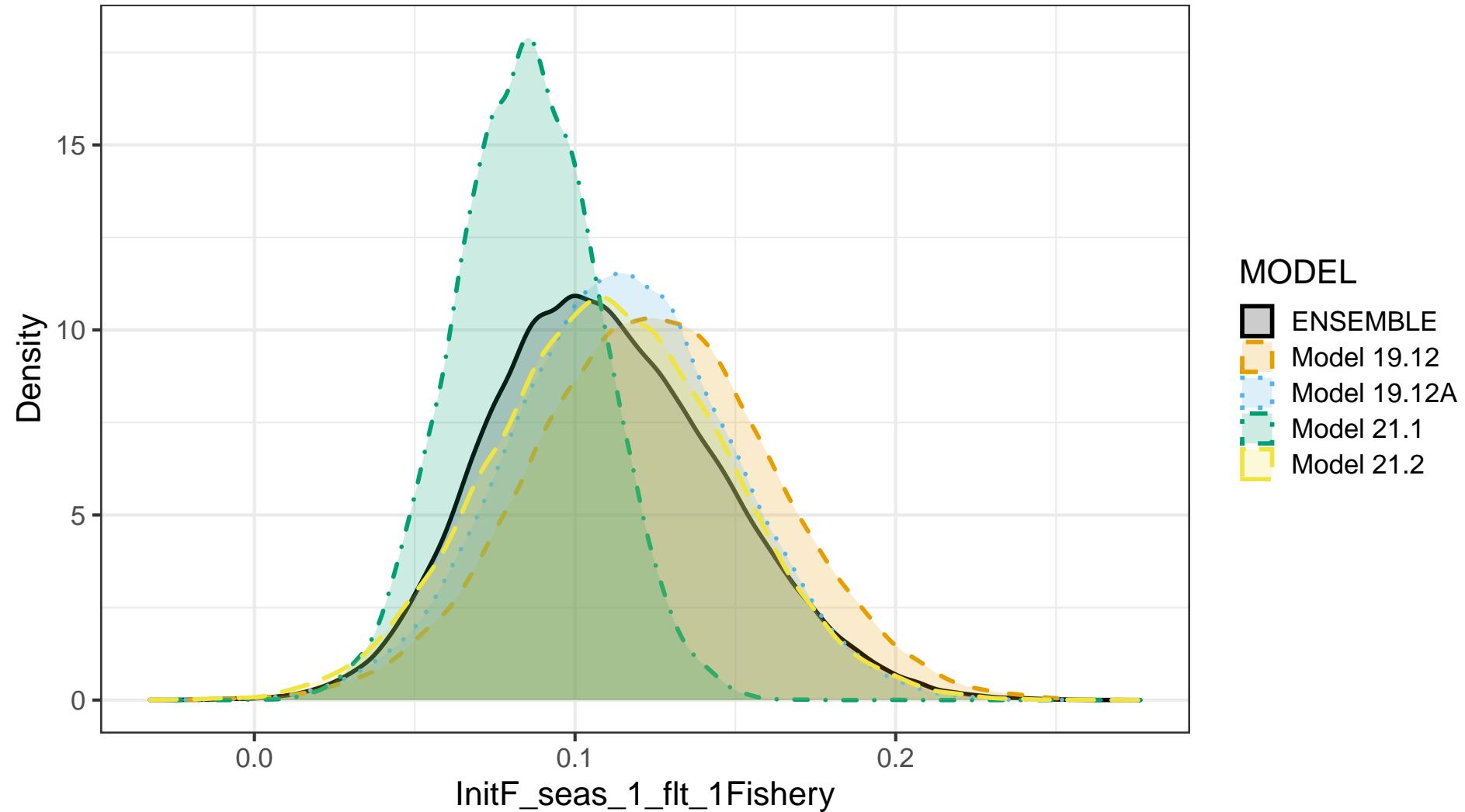
# Main\_RecrDev\_2019



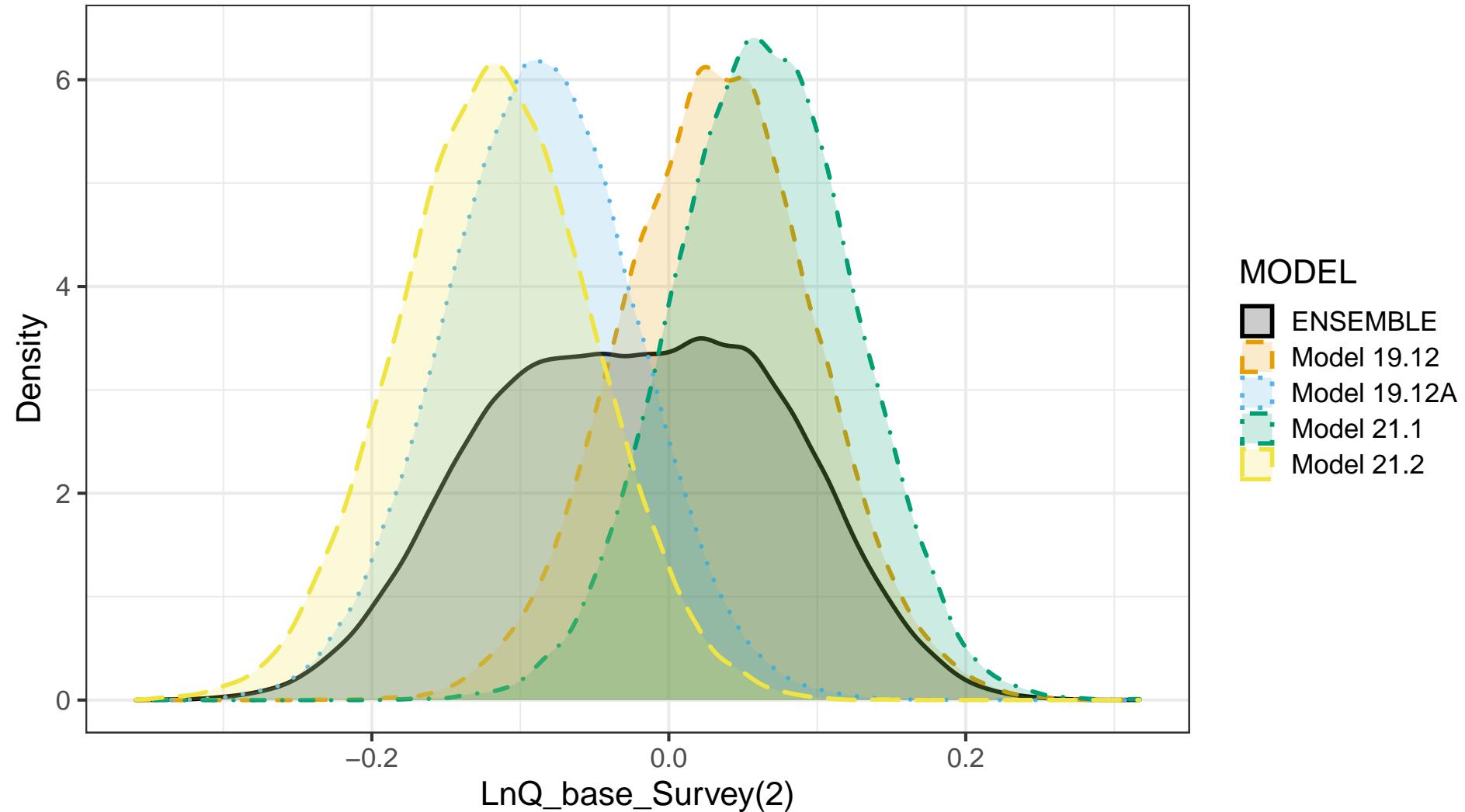
# Main\_RecrDev\_2020



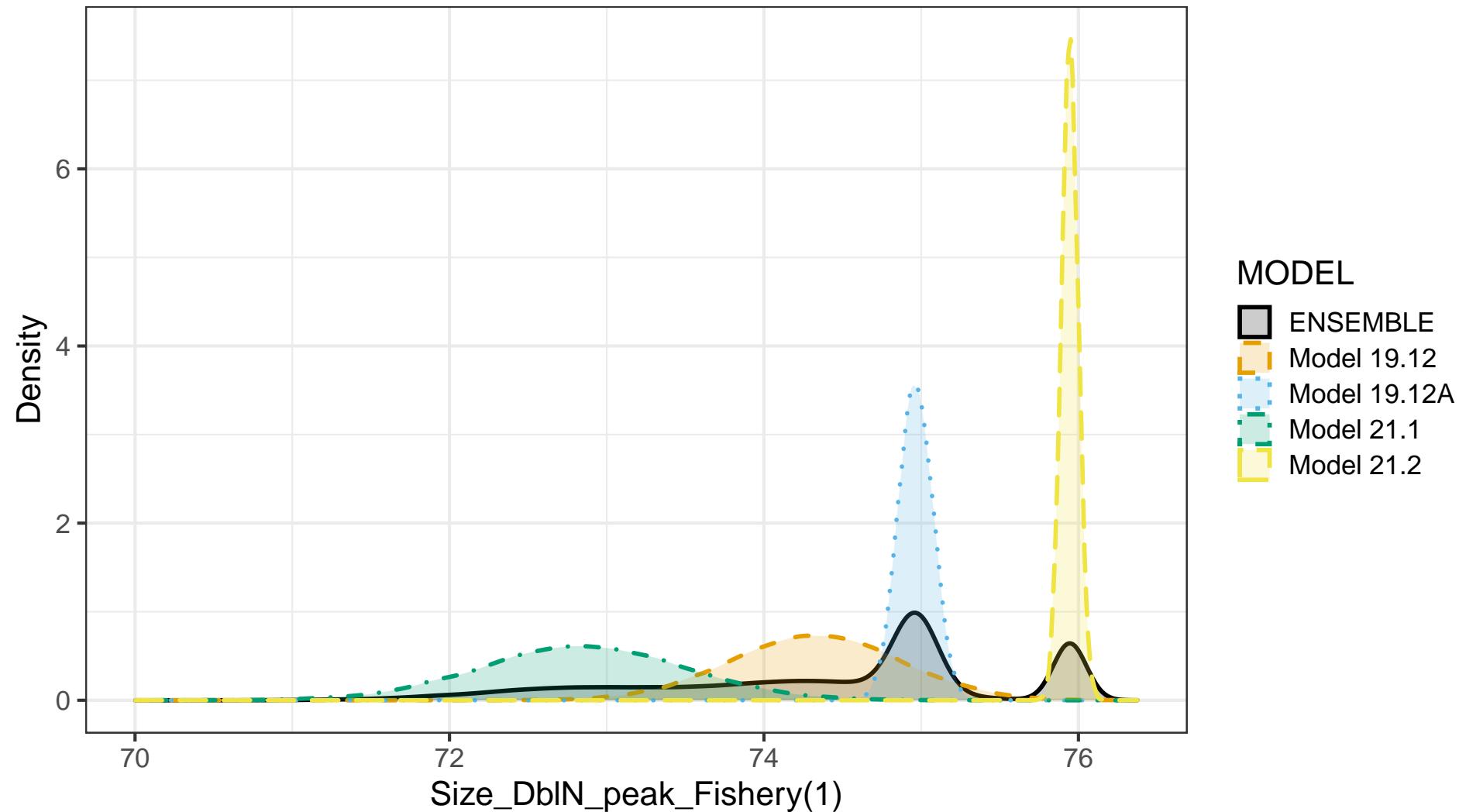
# InitF\_seas\_1\_flt\_1Fishery



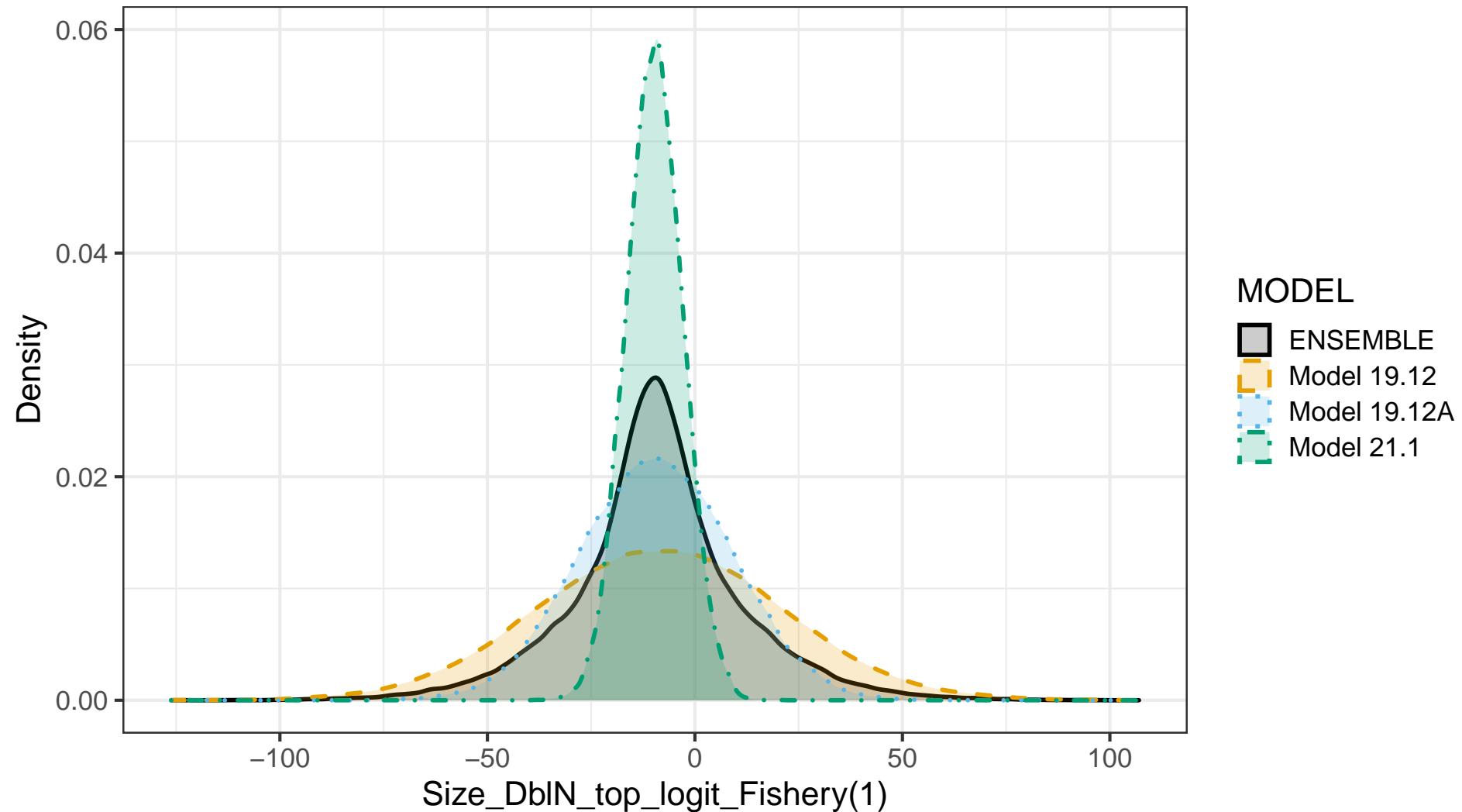
# LnQ\_base\_Survey(2)



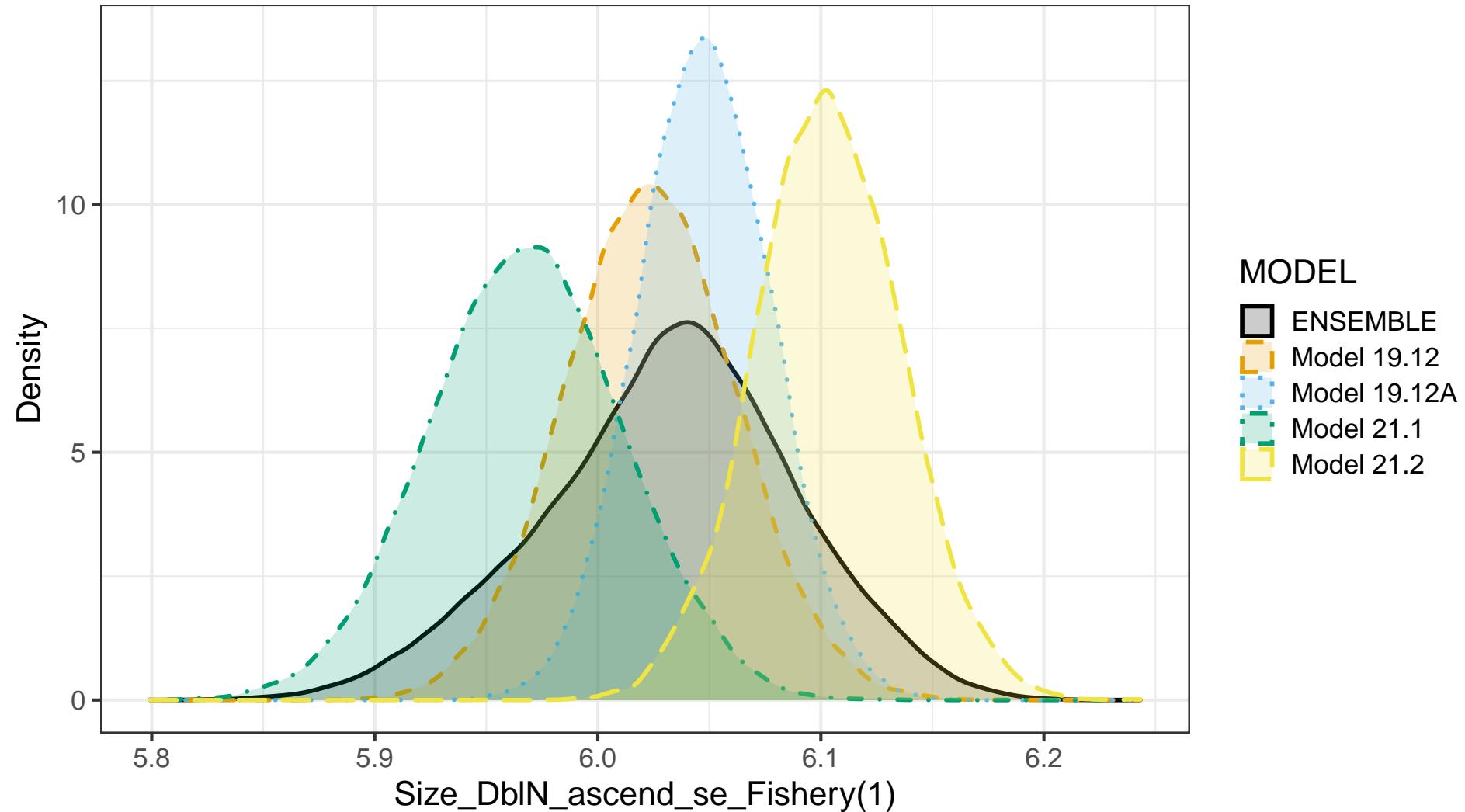
# Size\_DbIN\_peak\_Fishery(1)



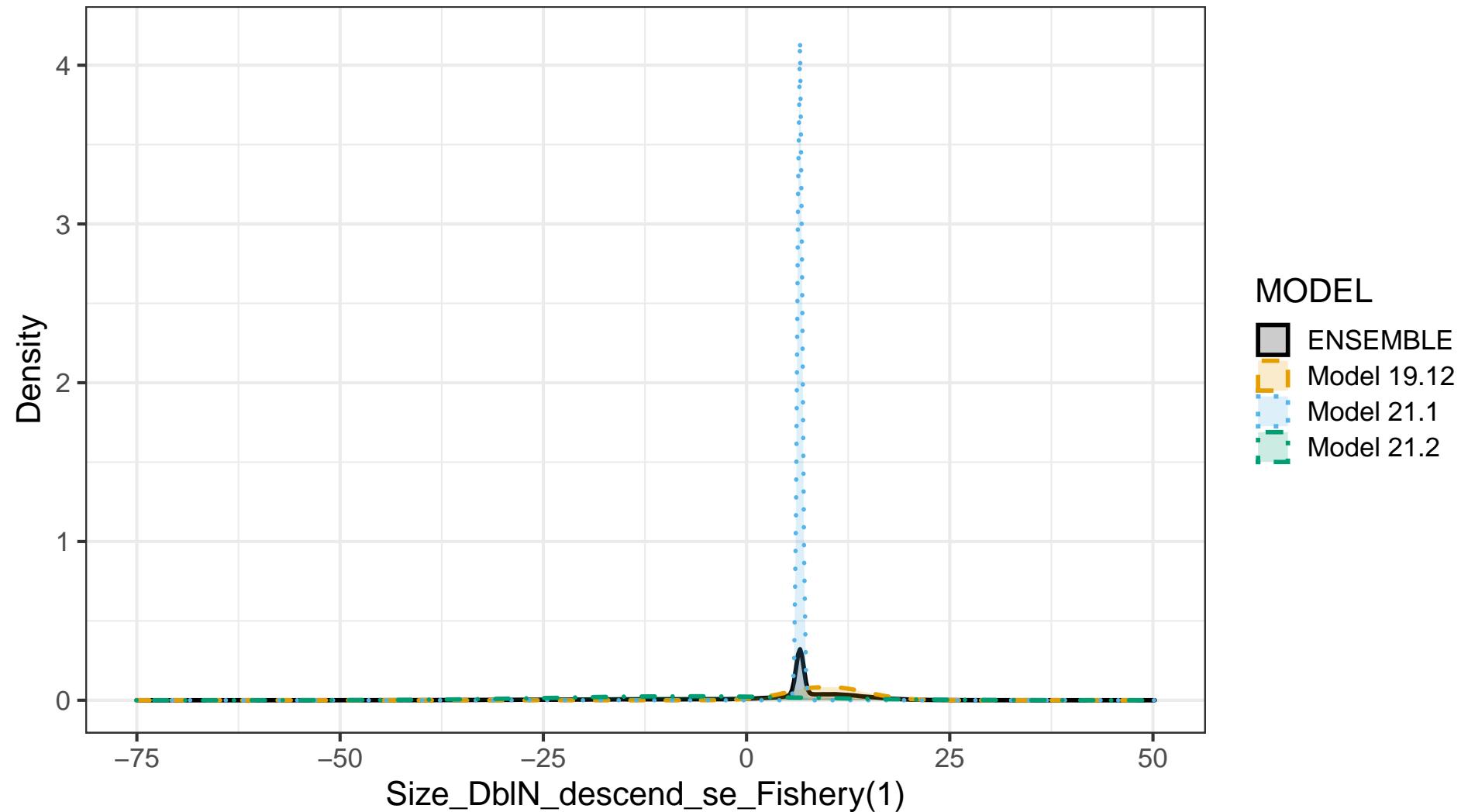
# Size\_DbIN\_top\_logit\_Fishery(1)



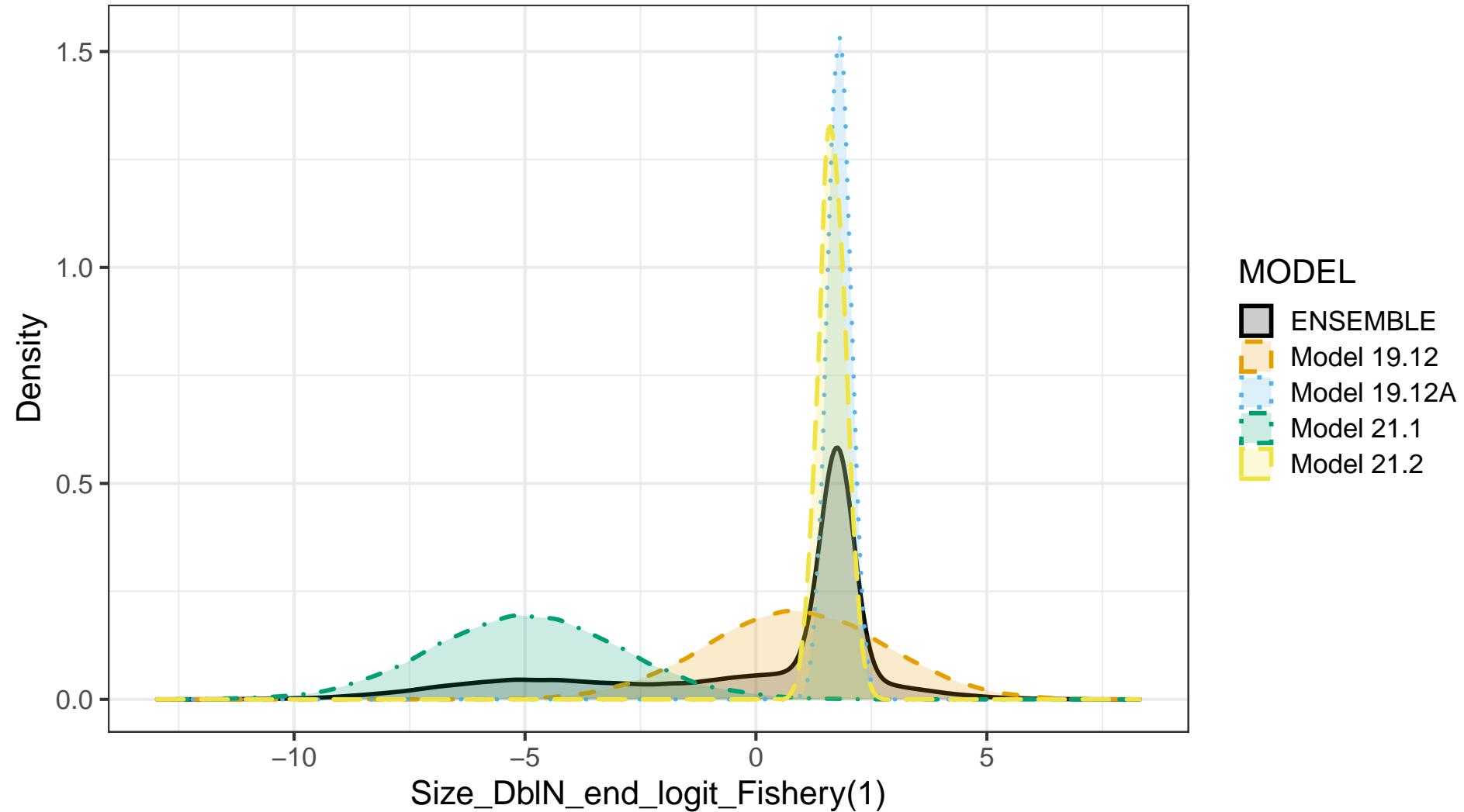
# Size\_DbIN\_ascend\_se\_Fishery(1)



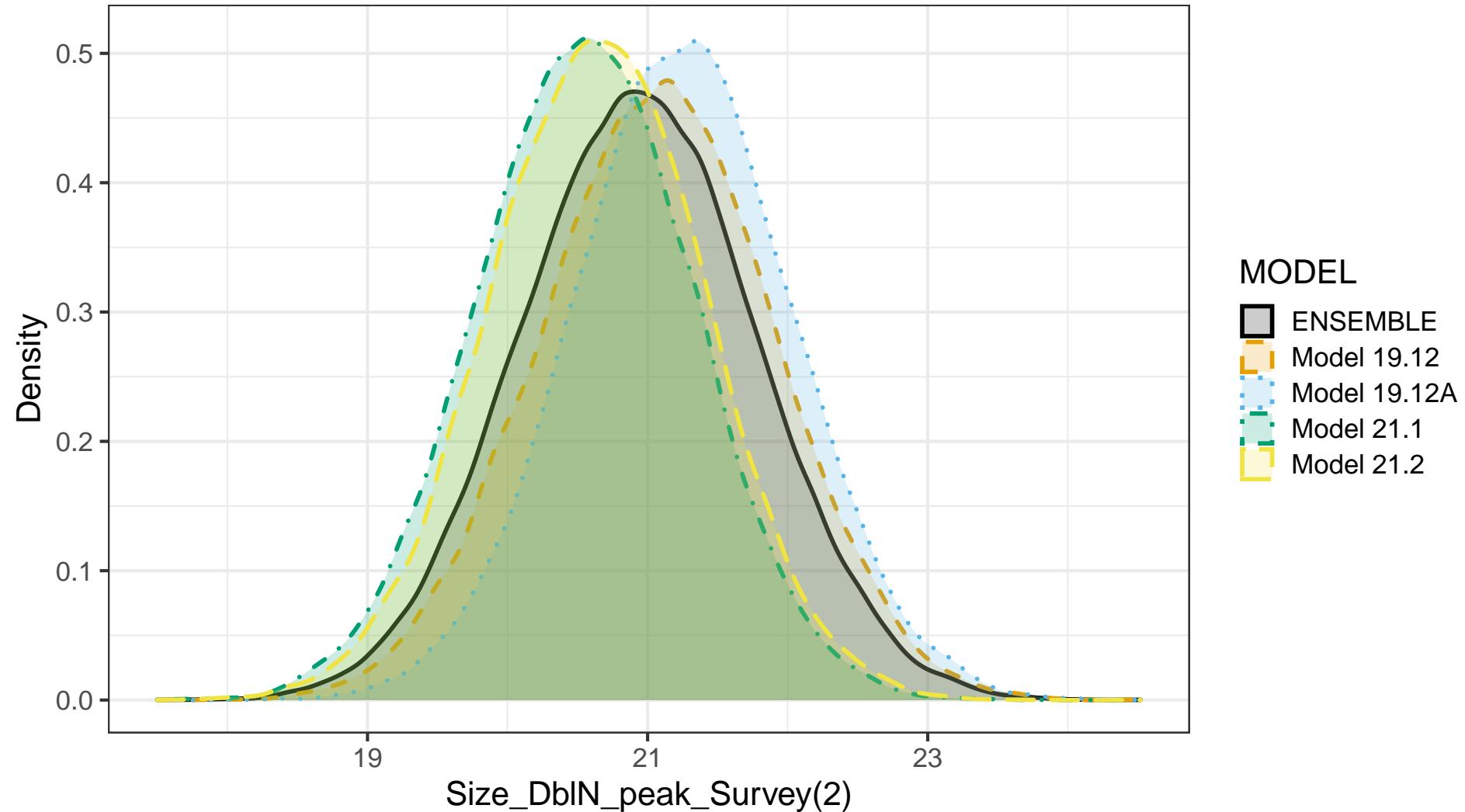
# Size\_DbIN\_descend\_se\_Fishery(1)



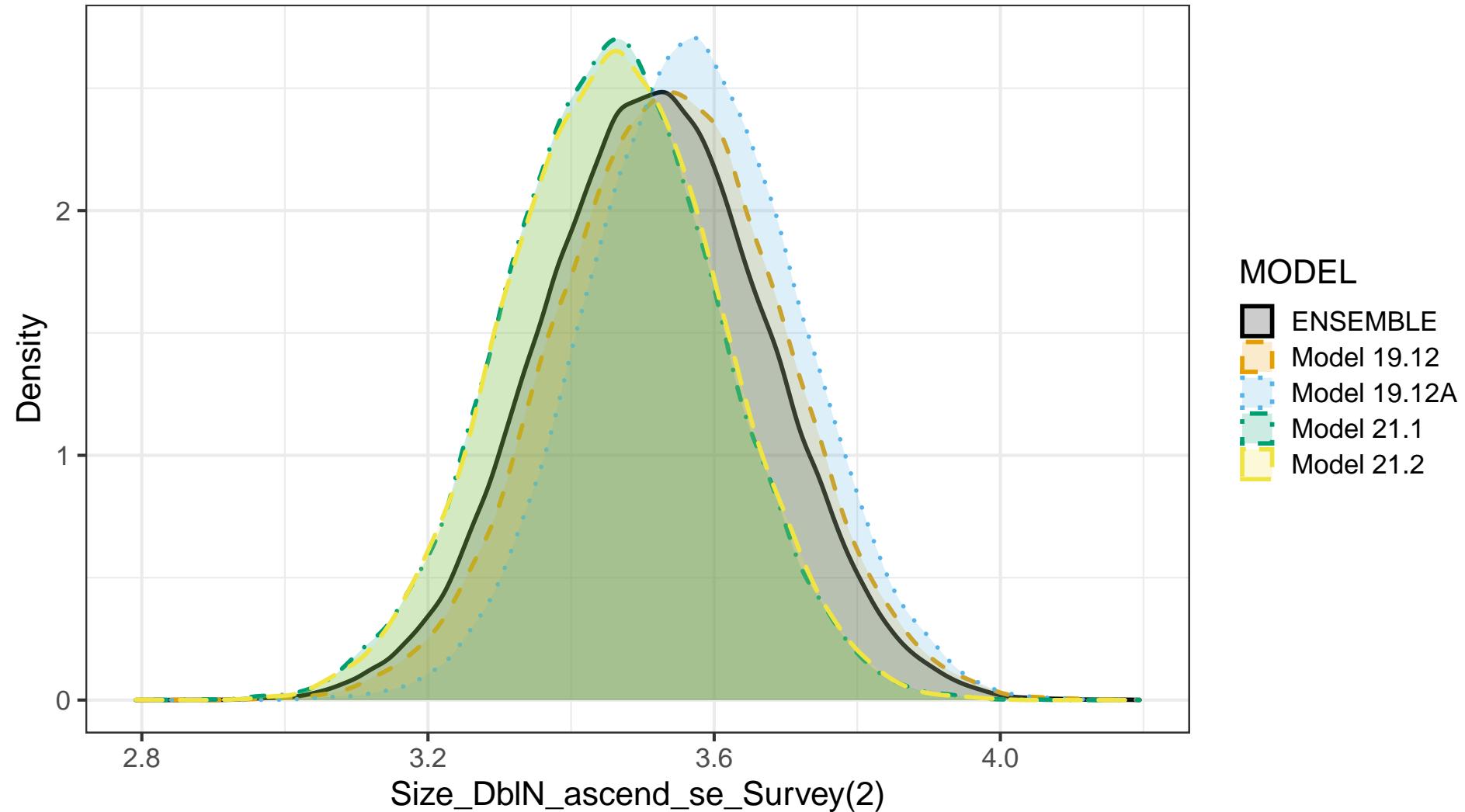
# Size\_DbIN\_end\_logit\_Fishery(1)



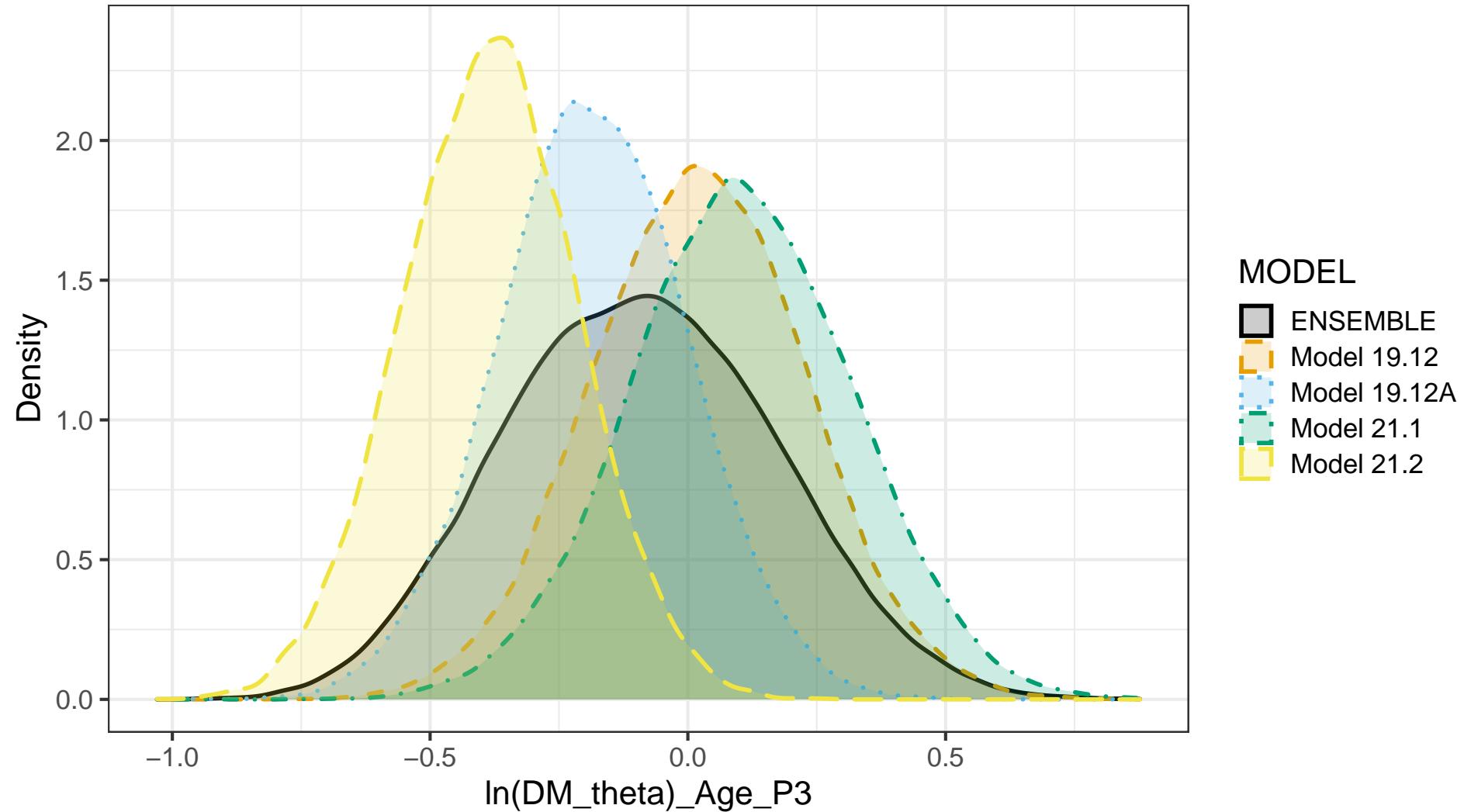
# Size\_DbIN\_peak\_Survey(2)



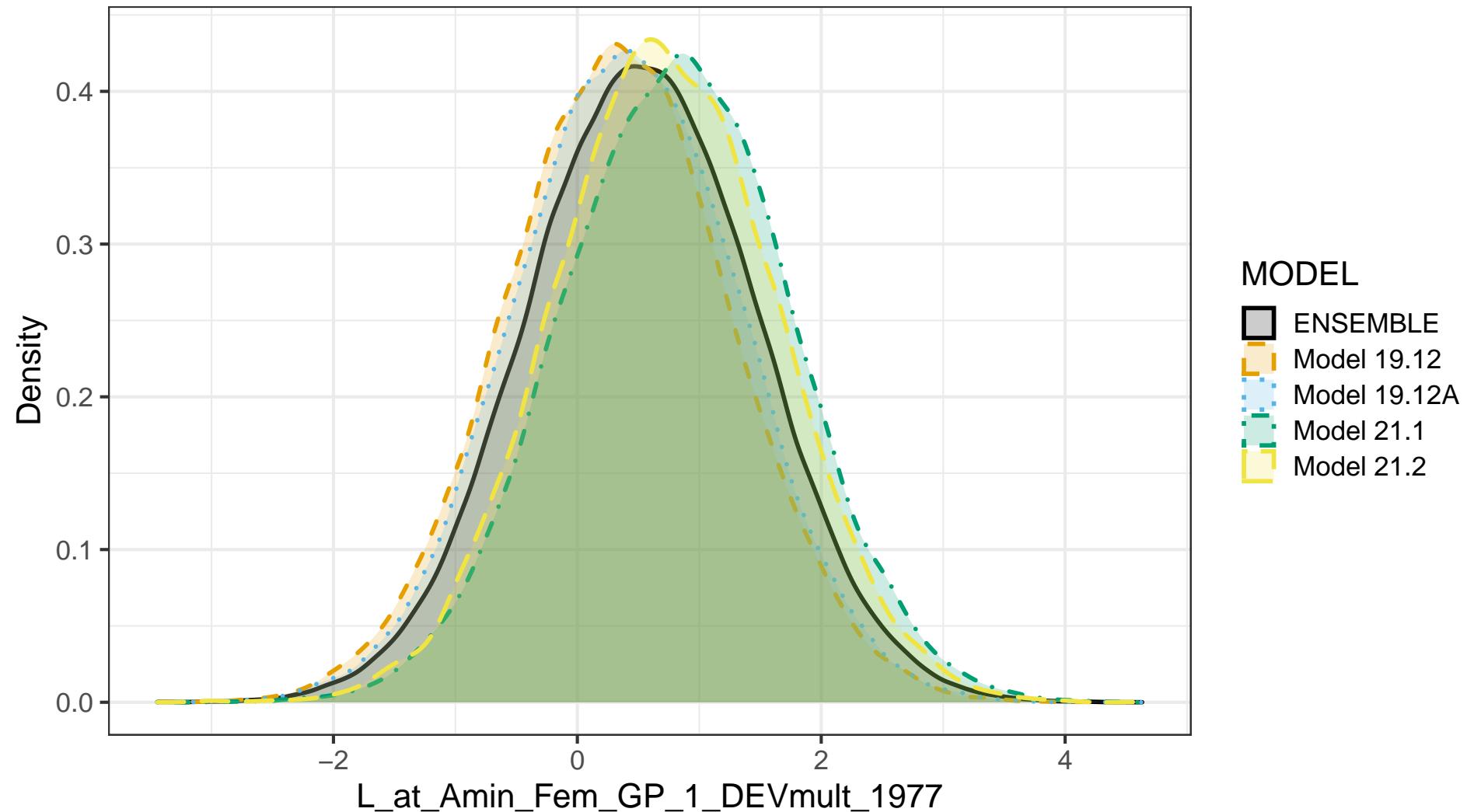
# Size\_DbIN\_ascend\_se\_Survey(2)



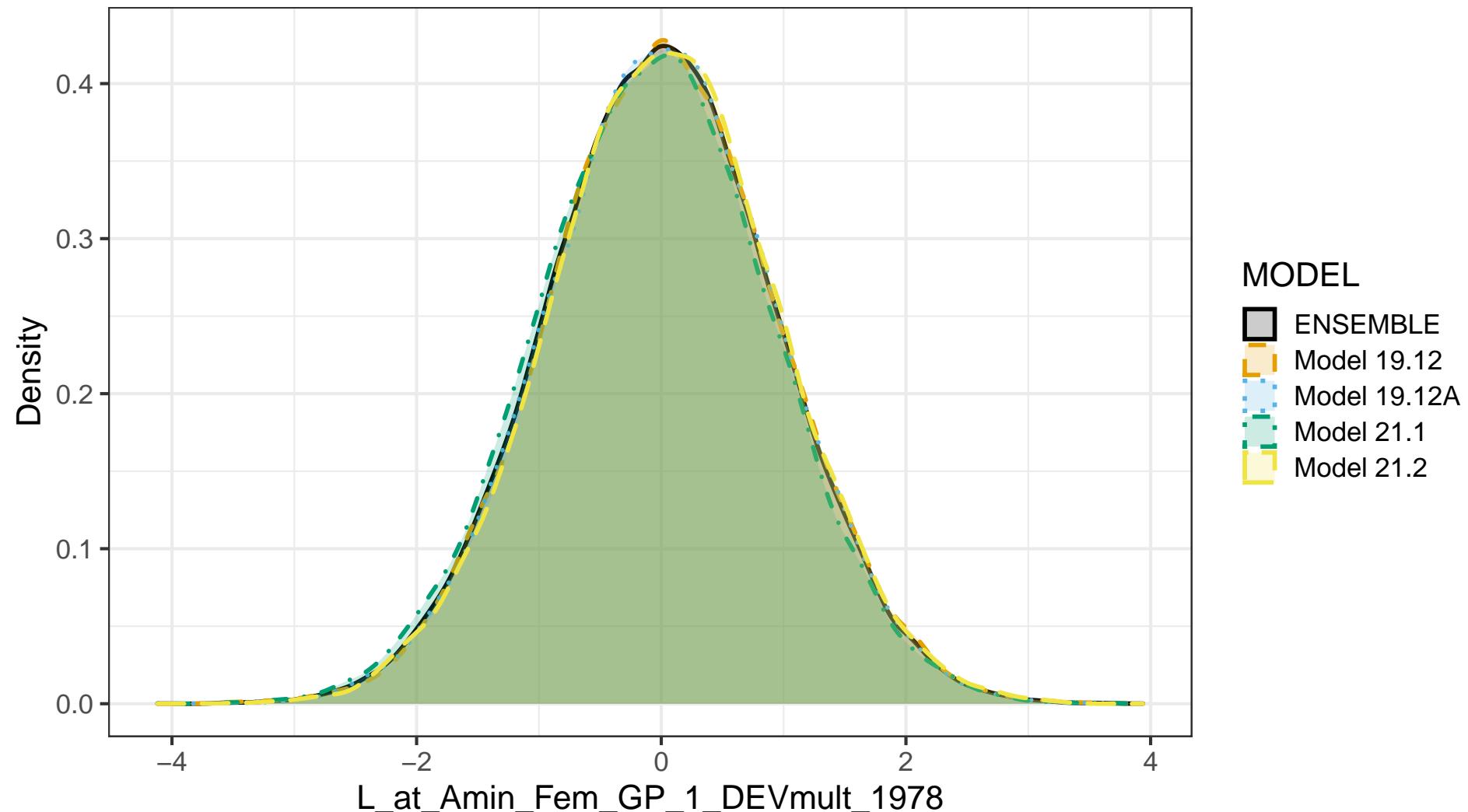
# $\ln(\text{DM}_\theta)_\text{Age\_P3}$



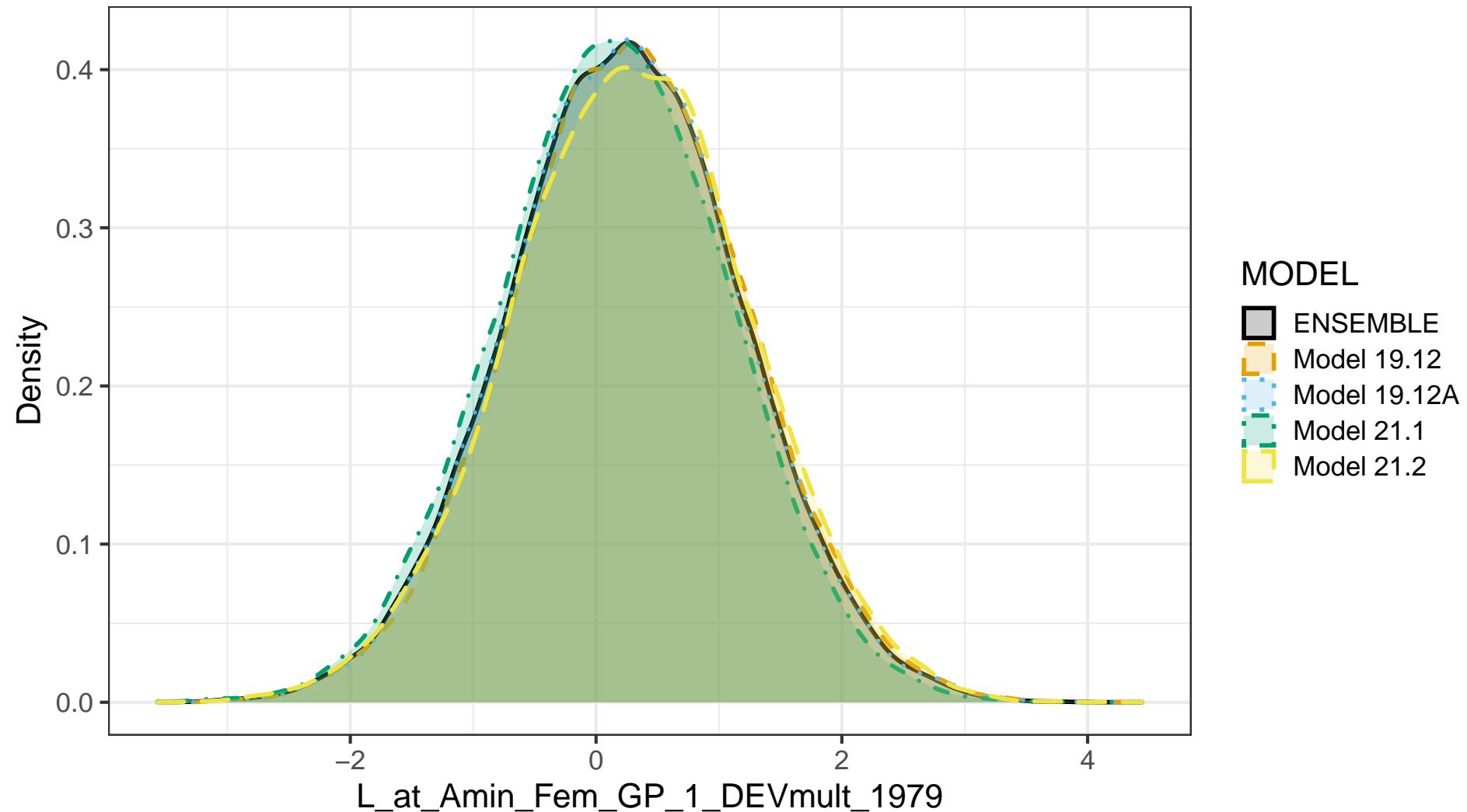
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1977



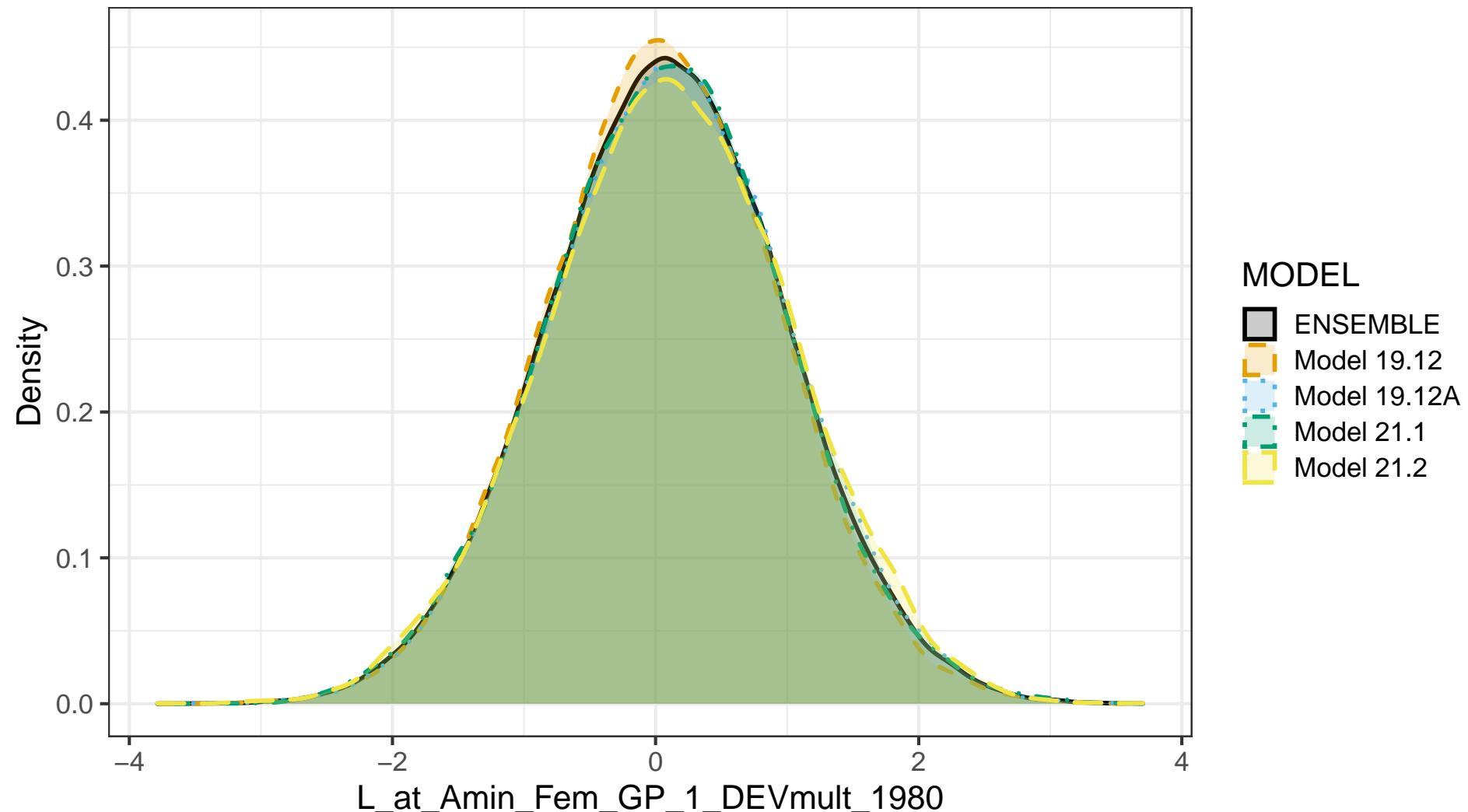
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1978



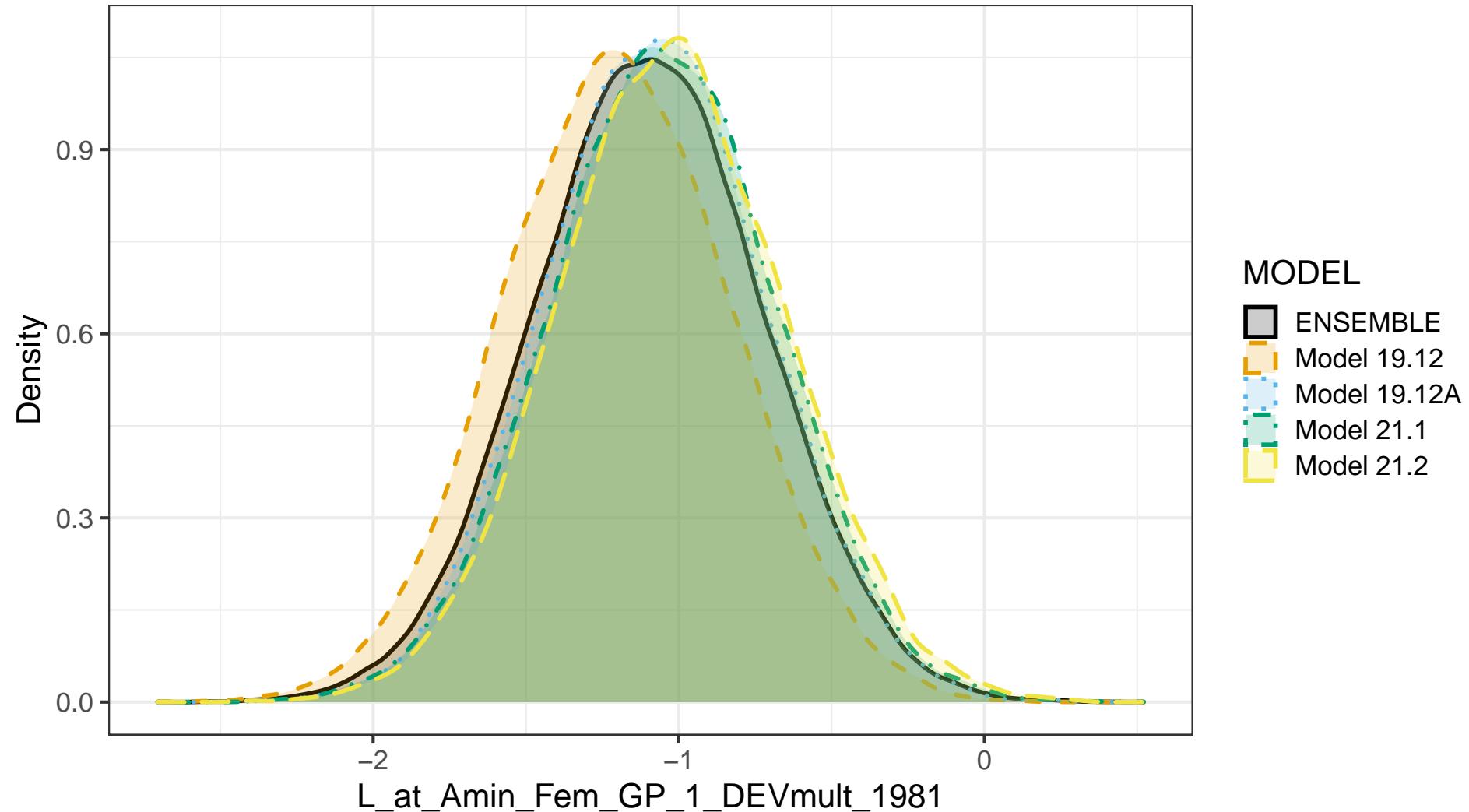
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1979



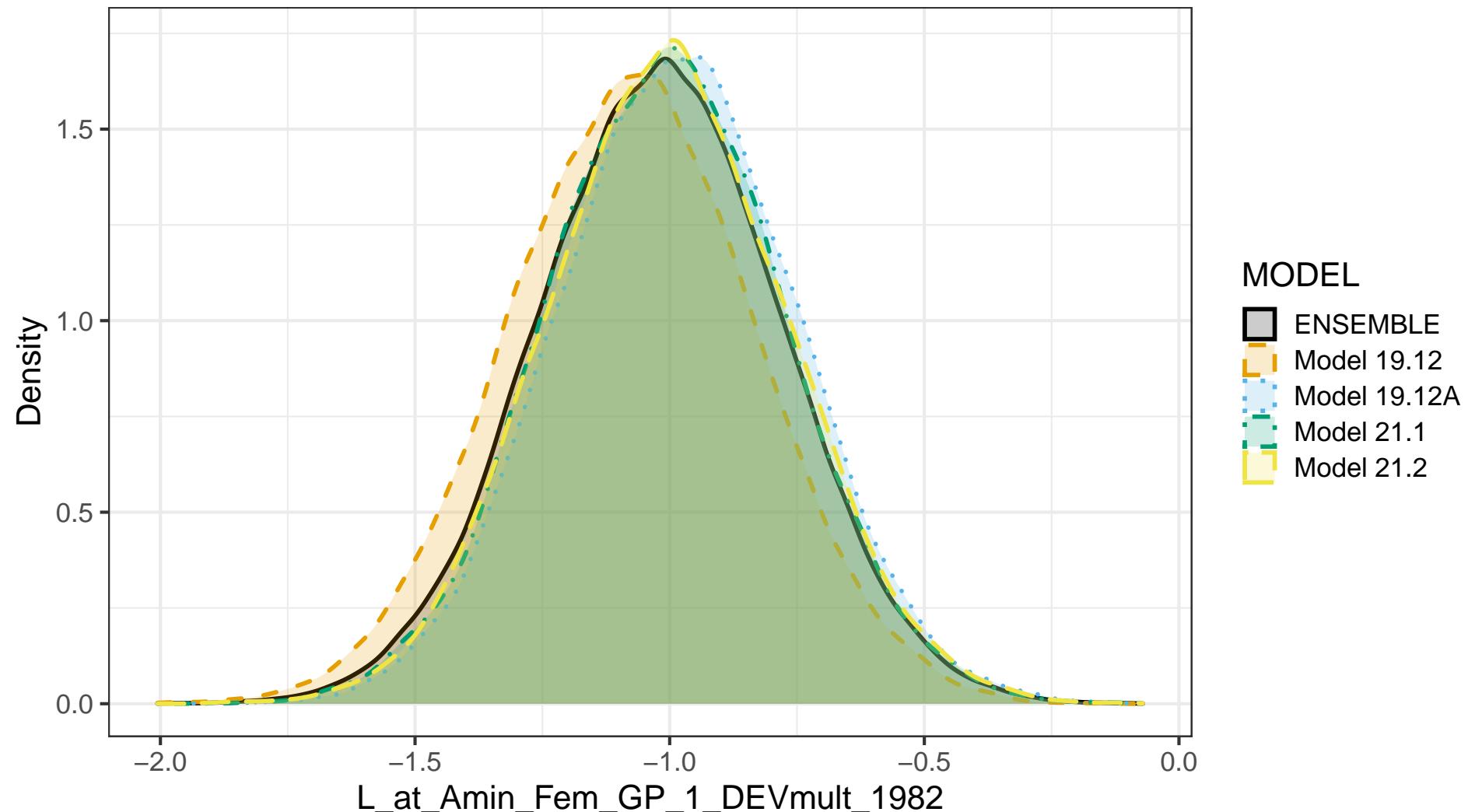
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1980



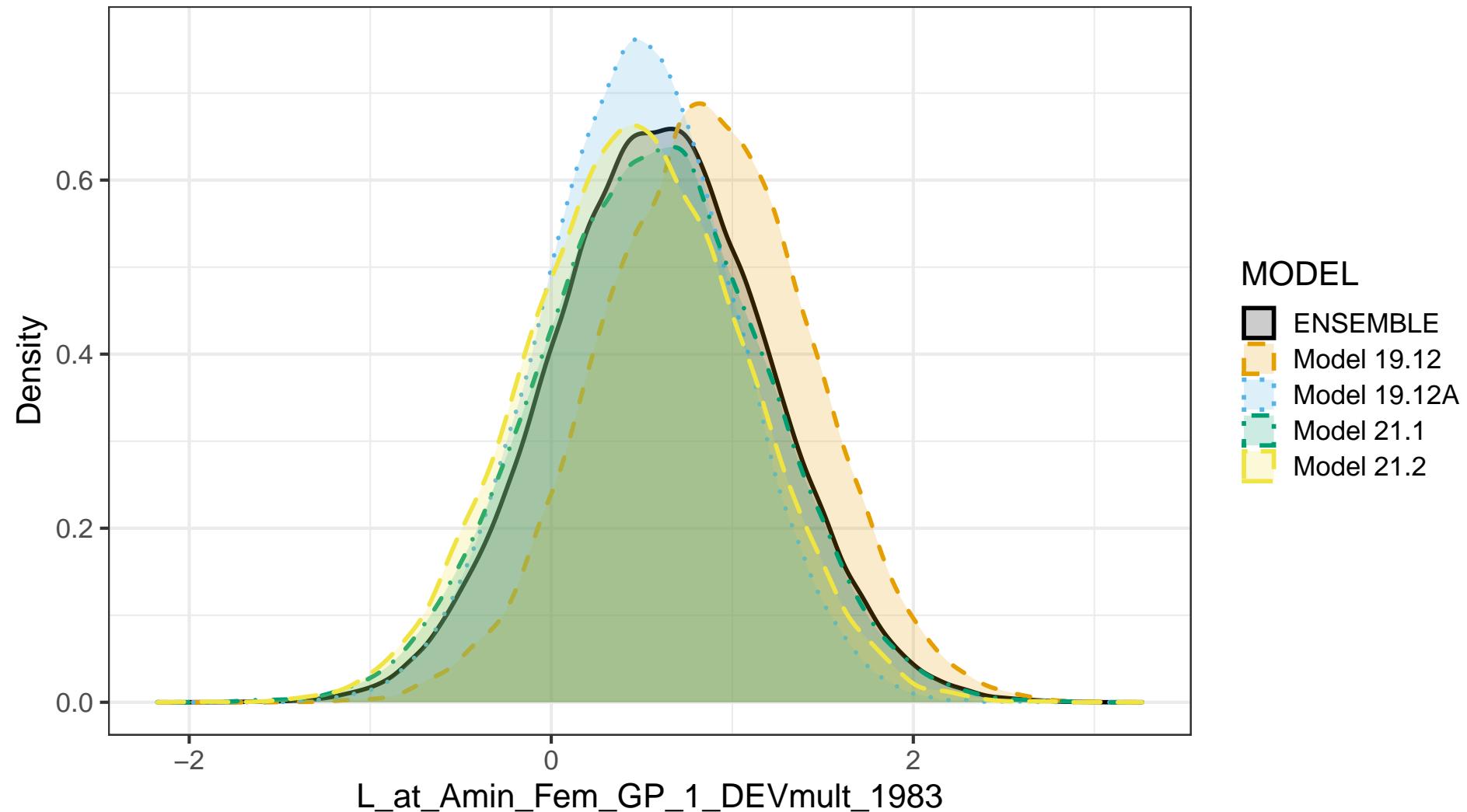
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1981



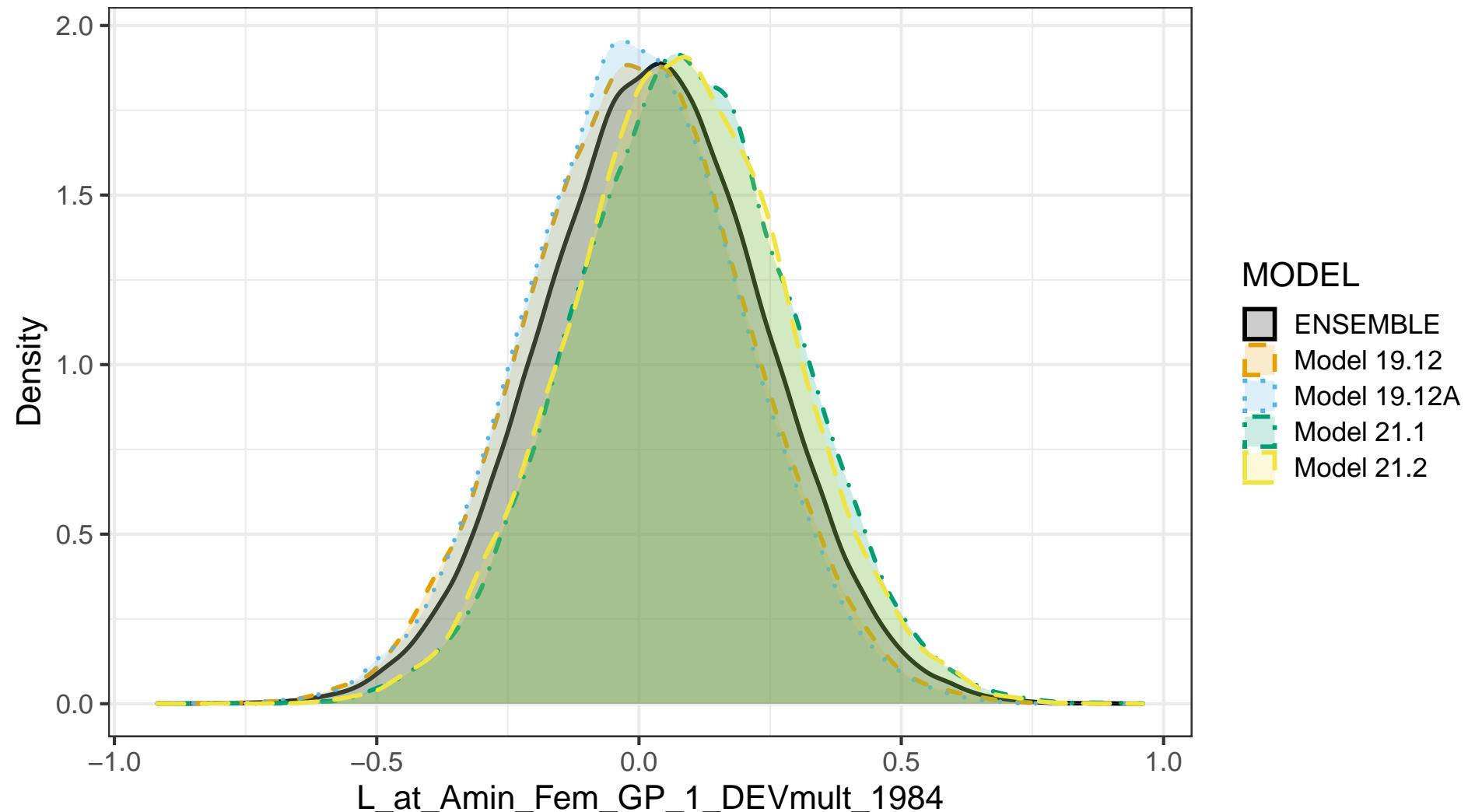
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1982



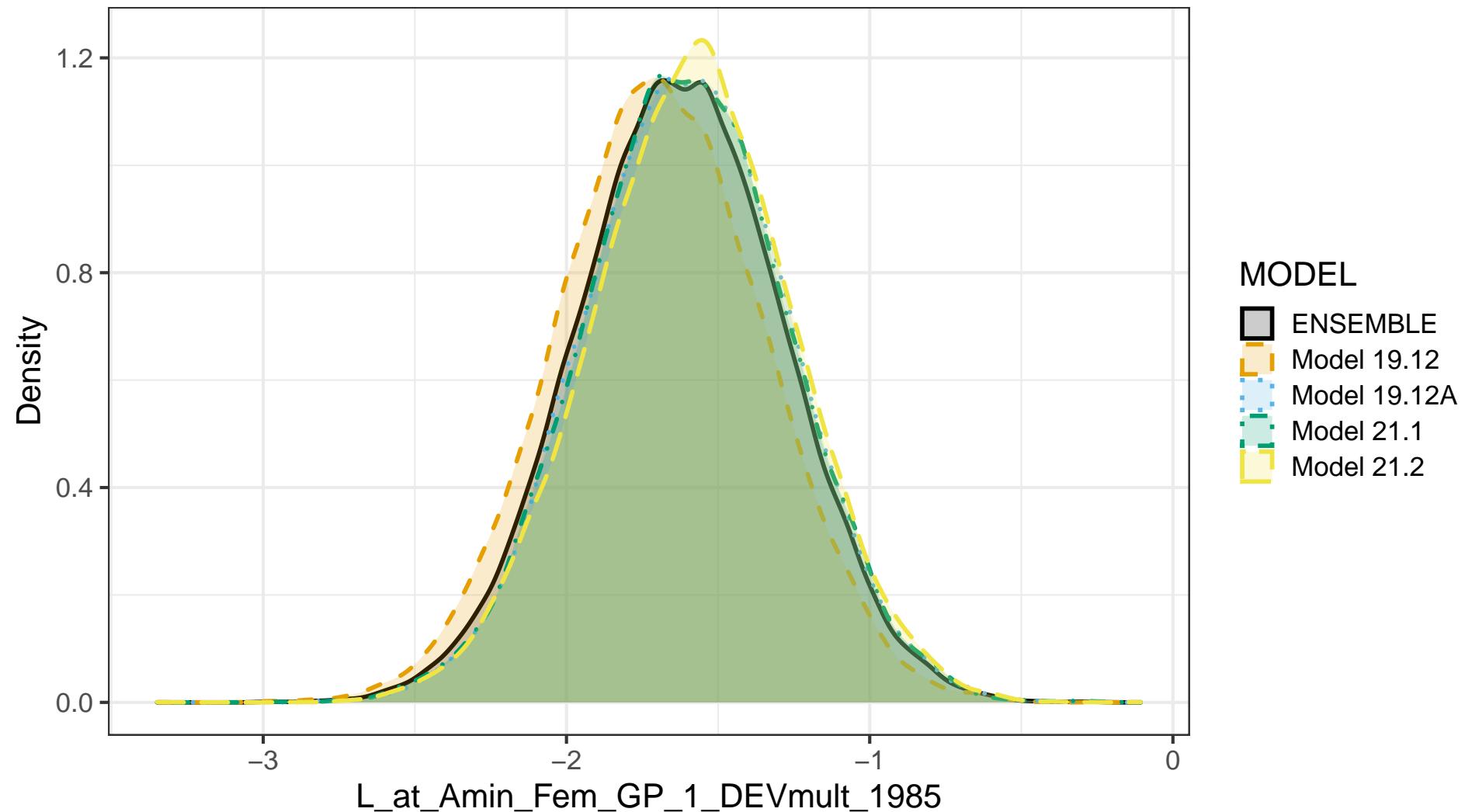
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1983



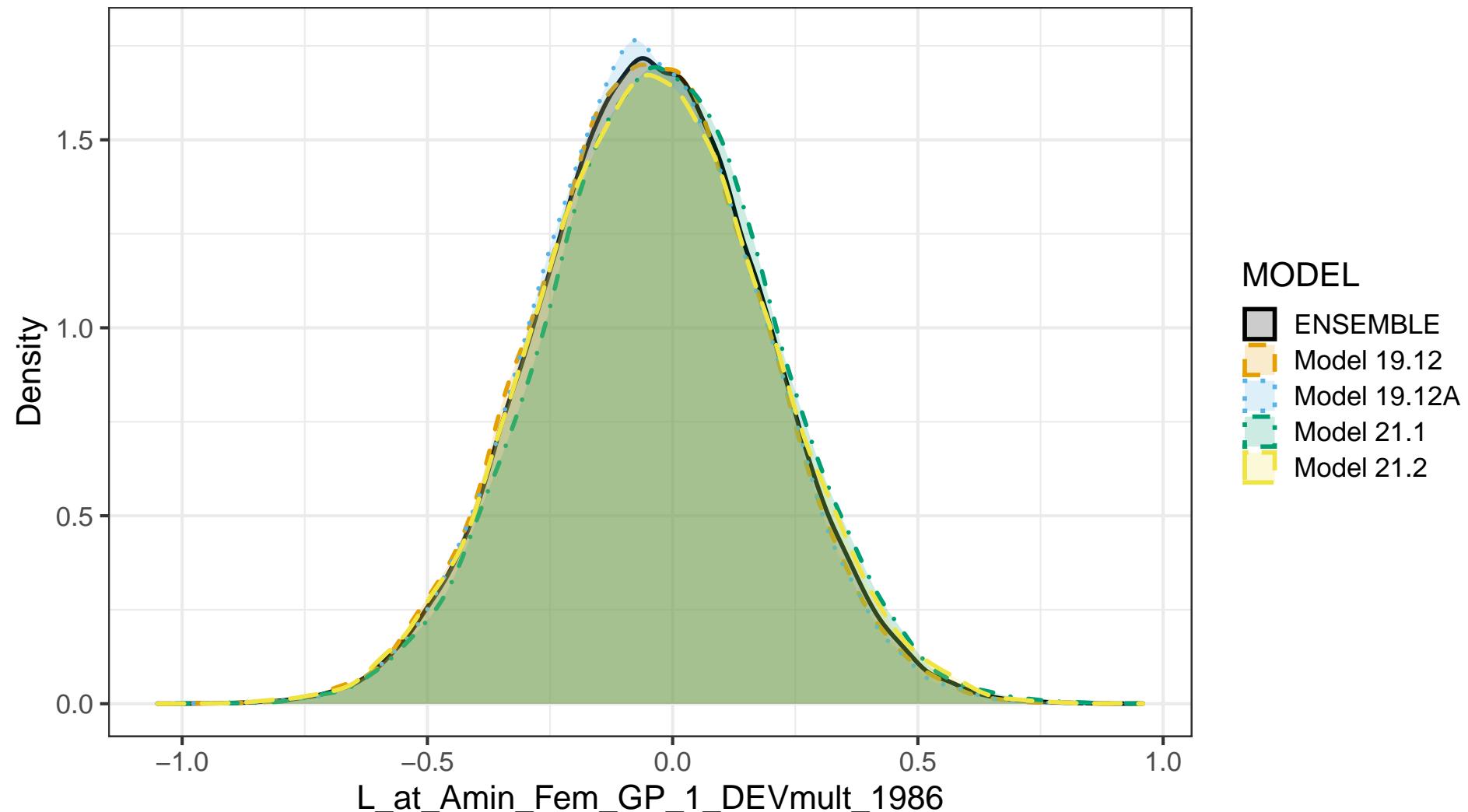
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1984



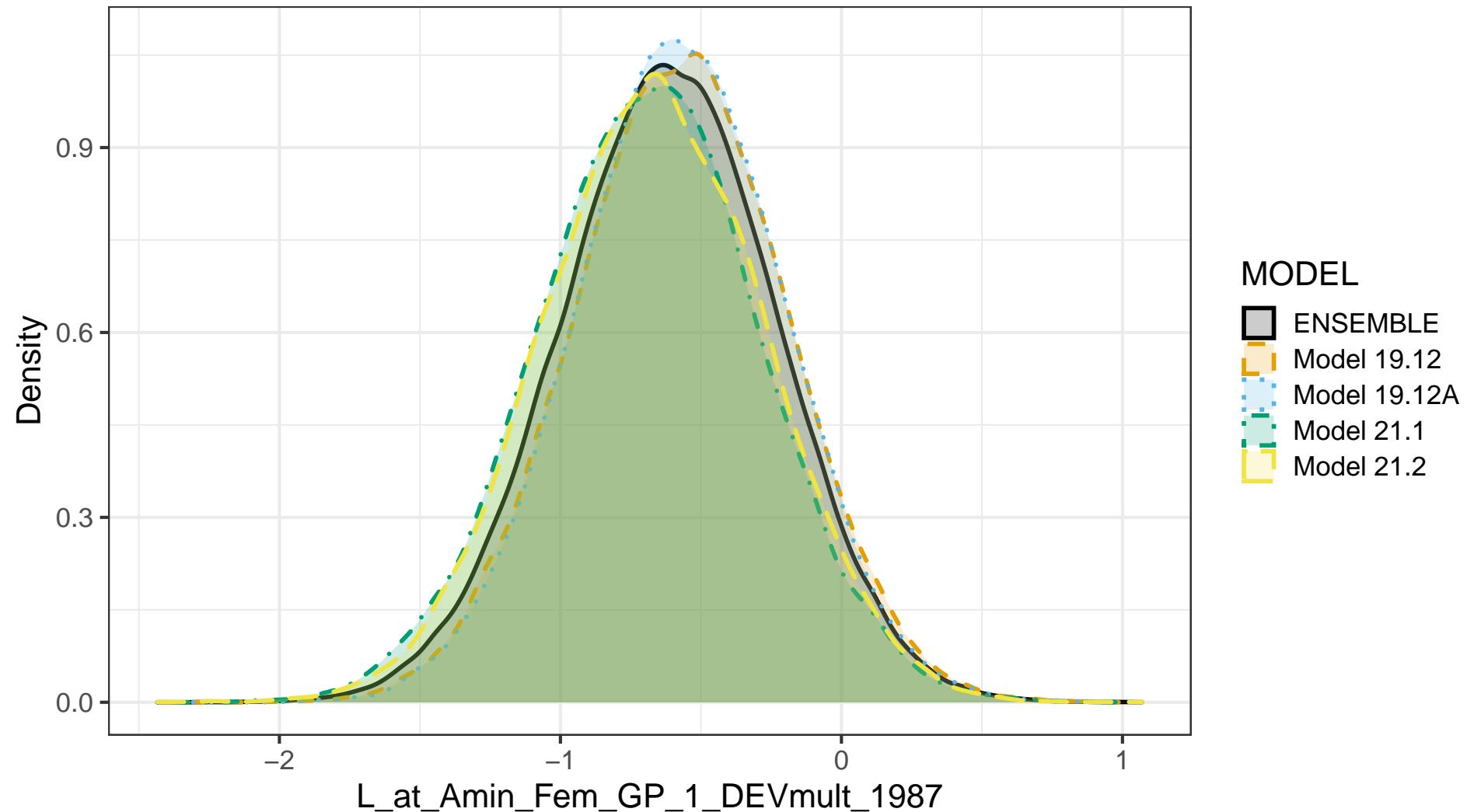
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1985



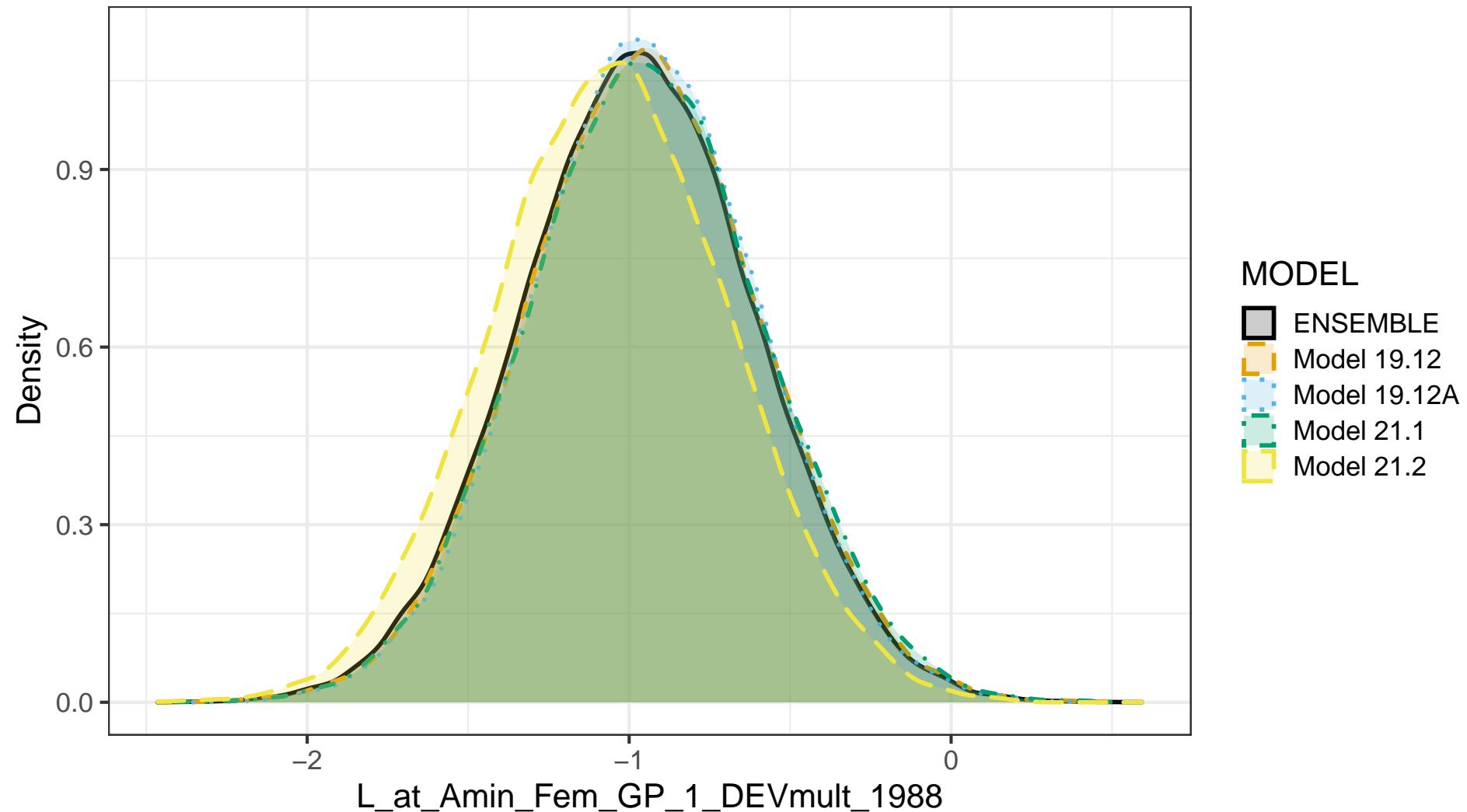
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1986



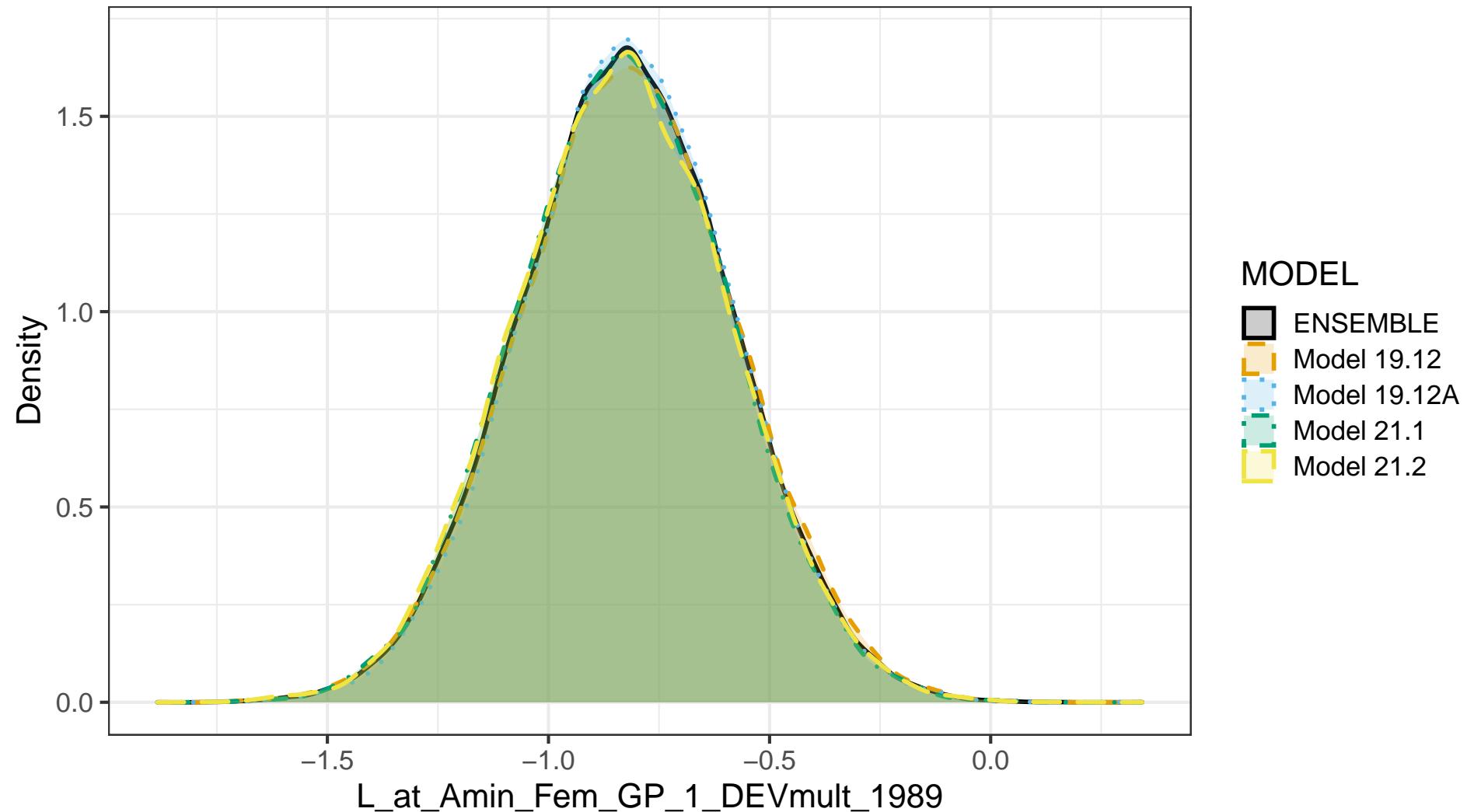
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1987



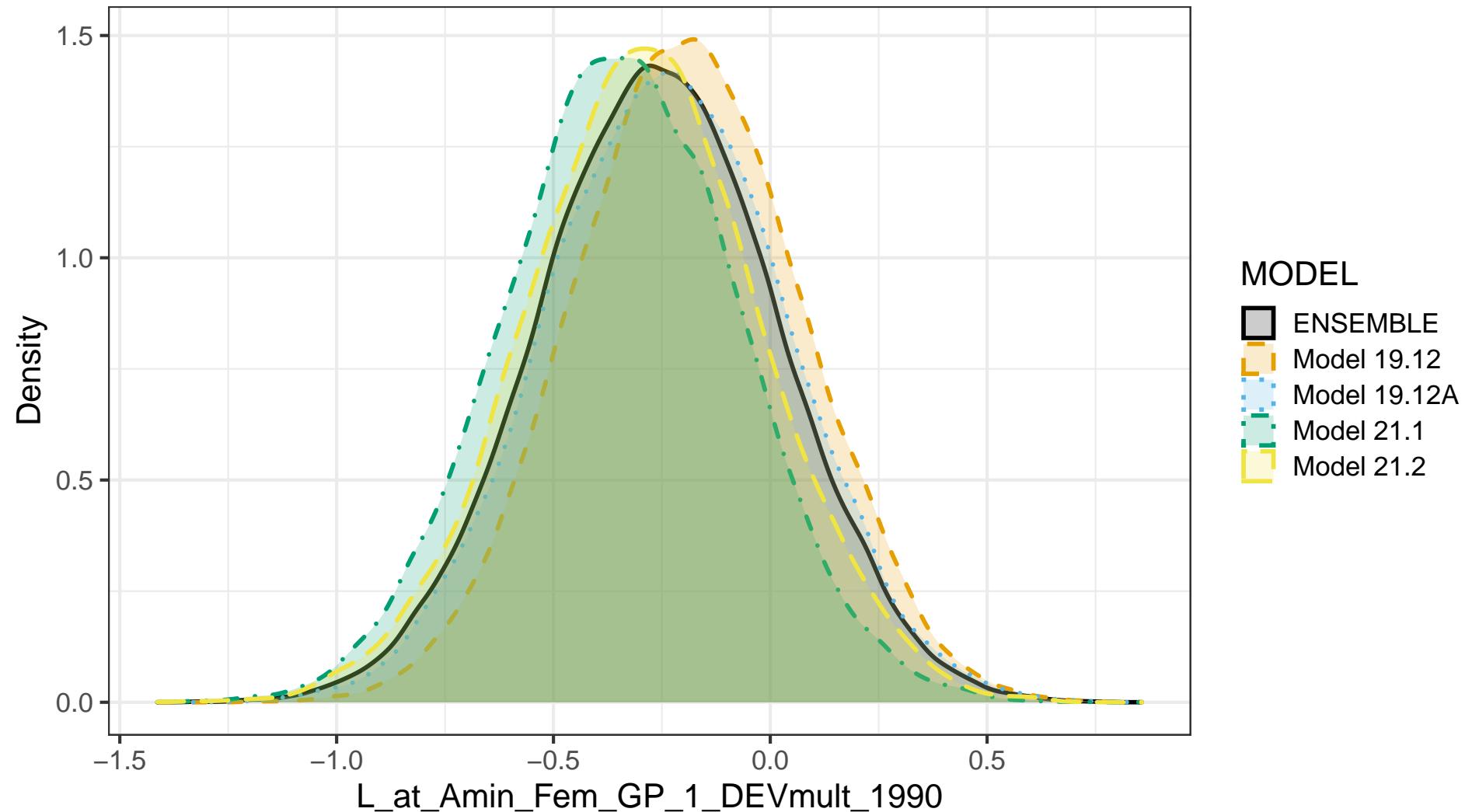
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1988



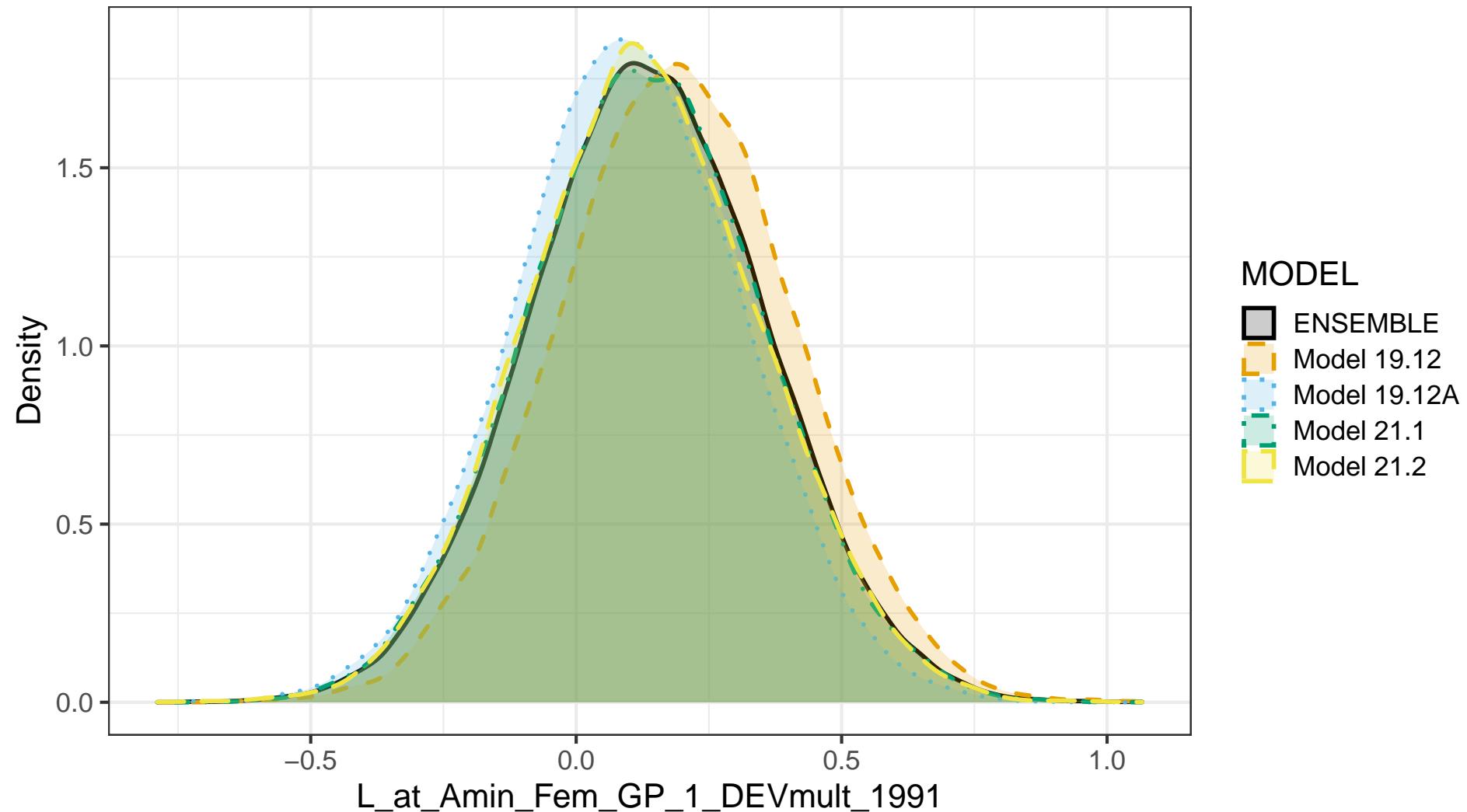
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1989



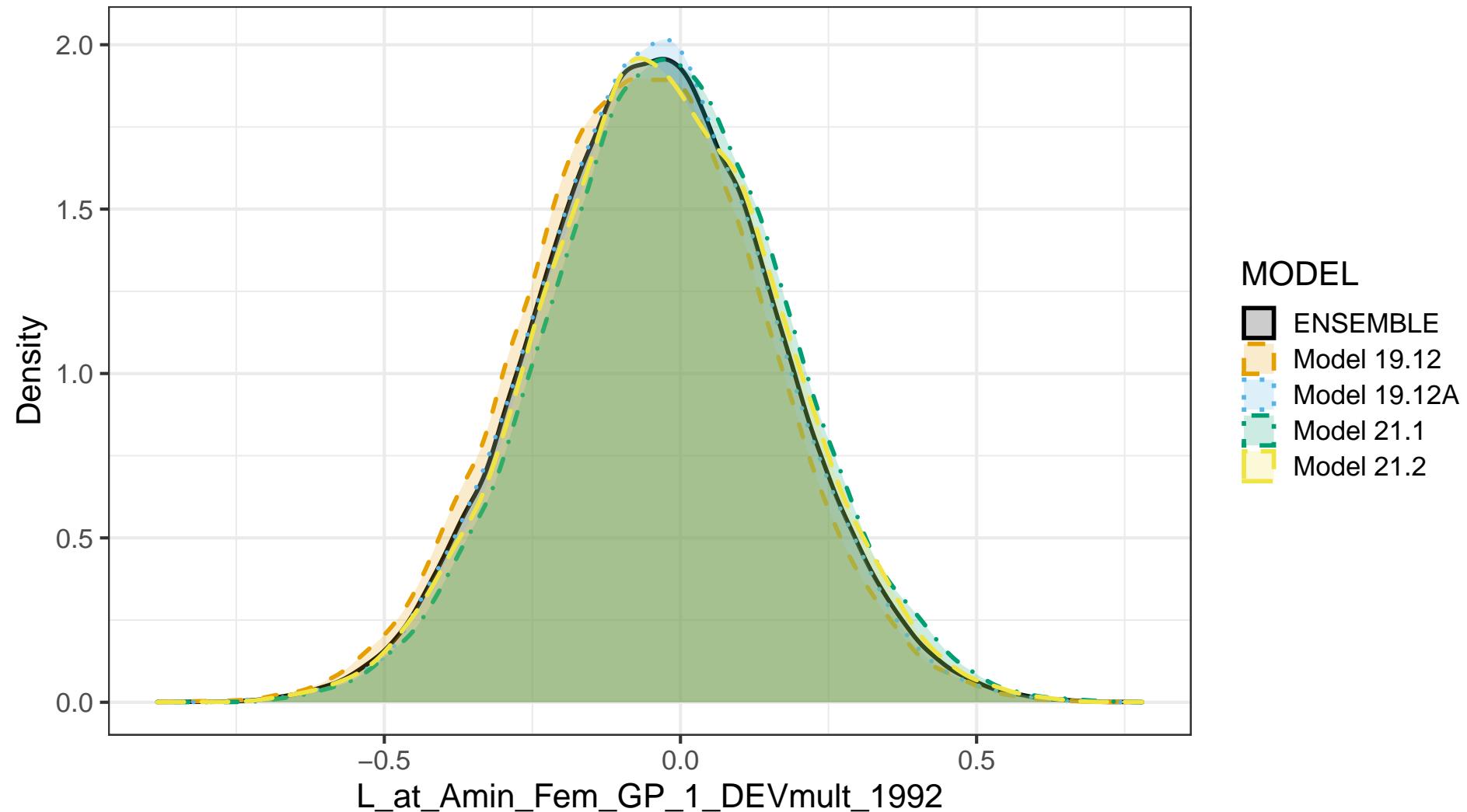
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1990



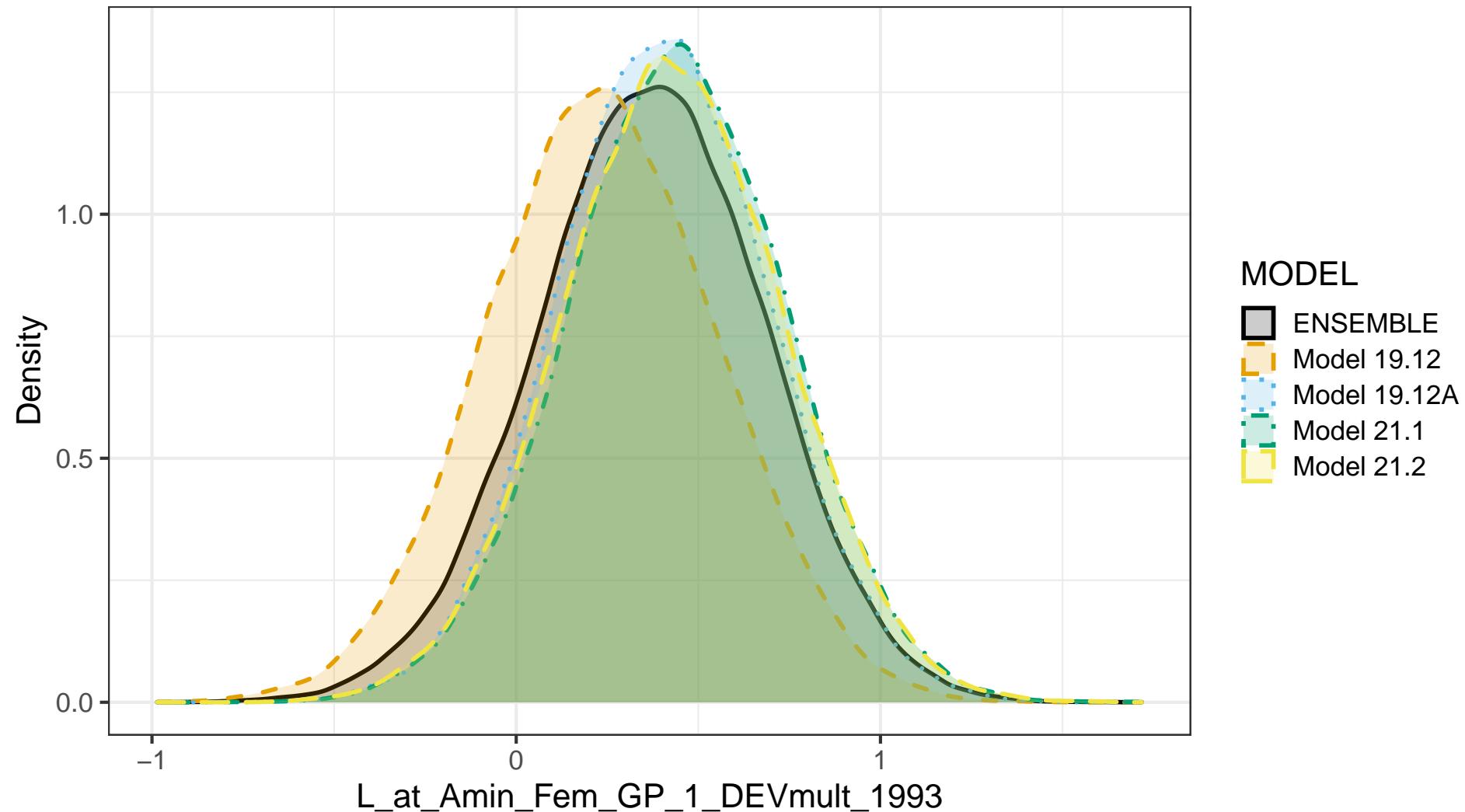
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1991



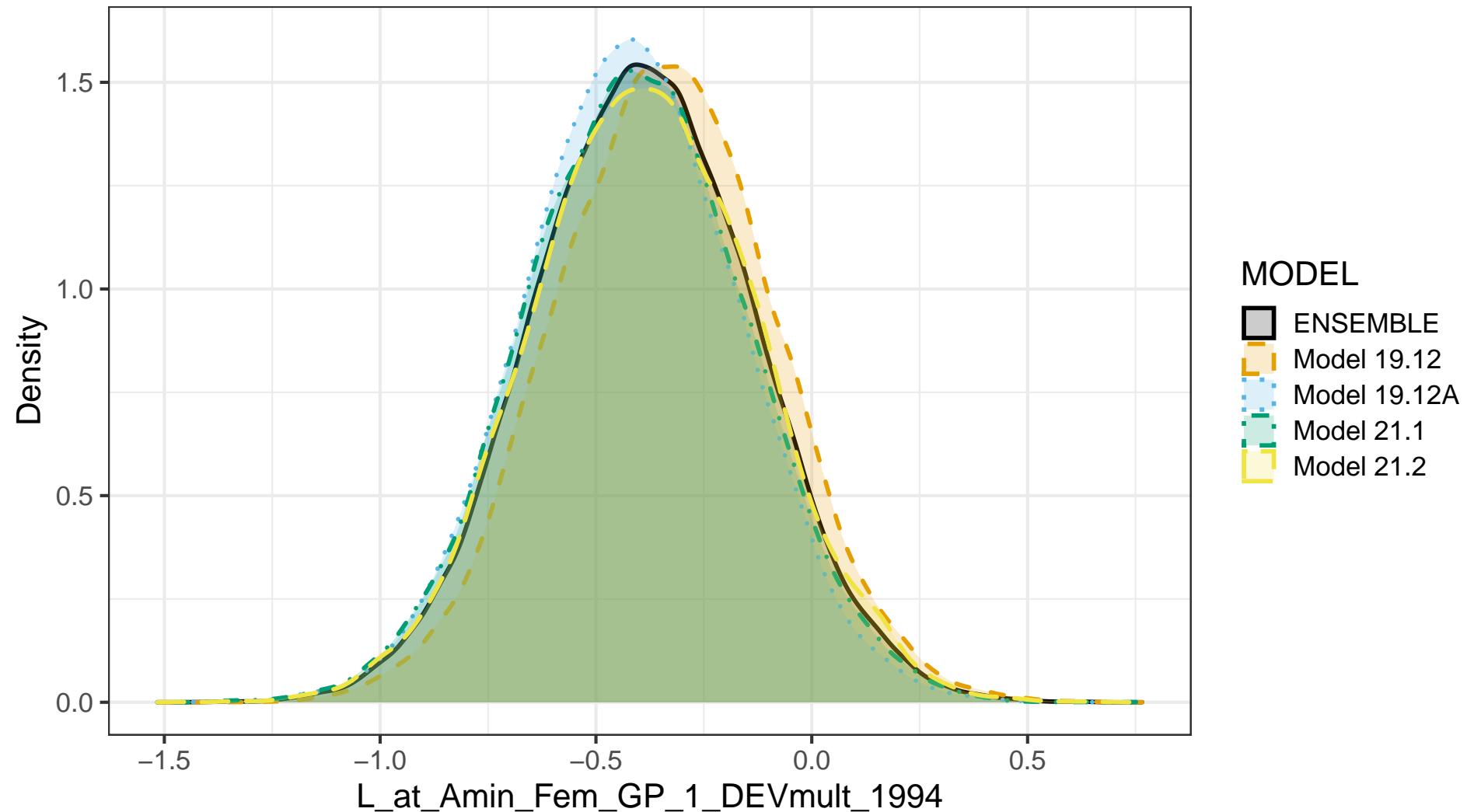
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1992



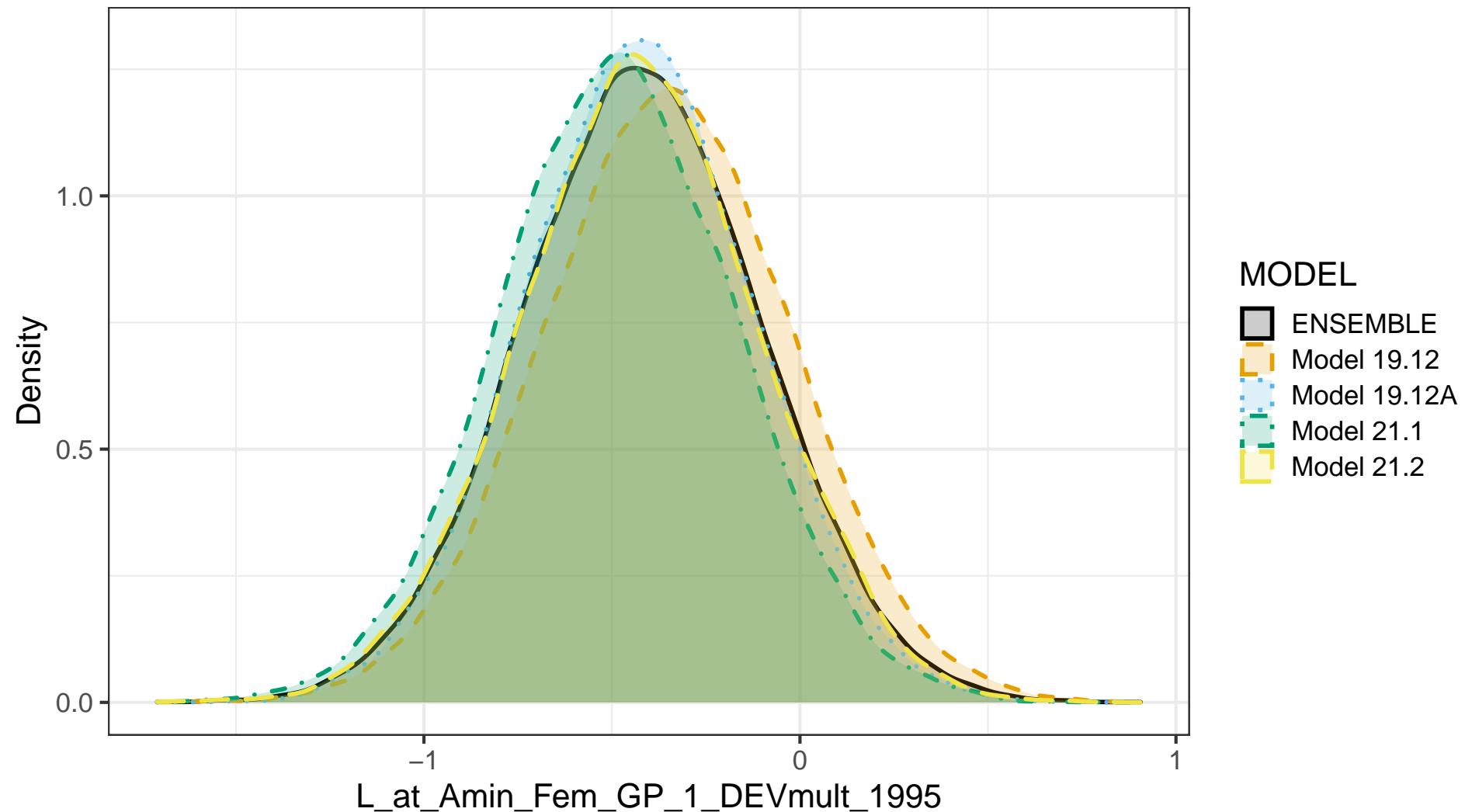
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1993



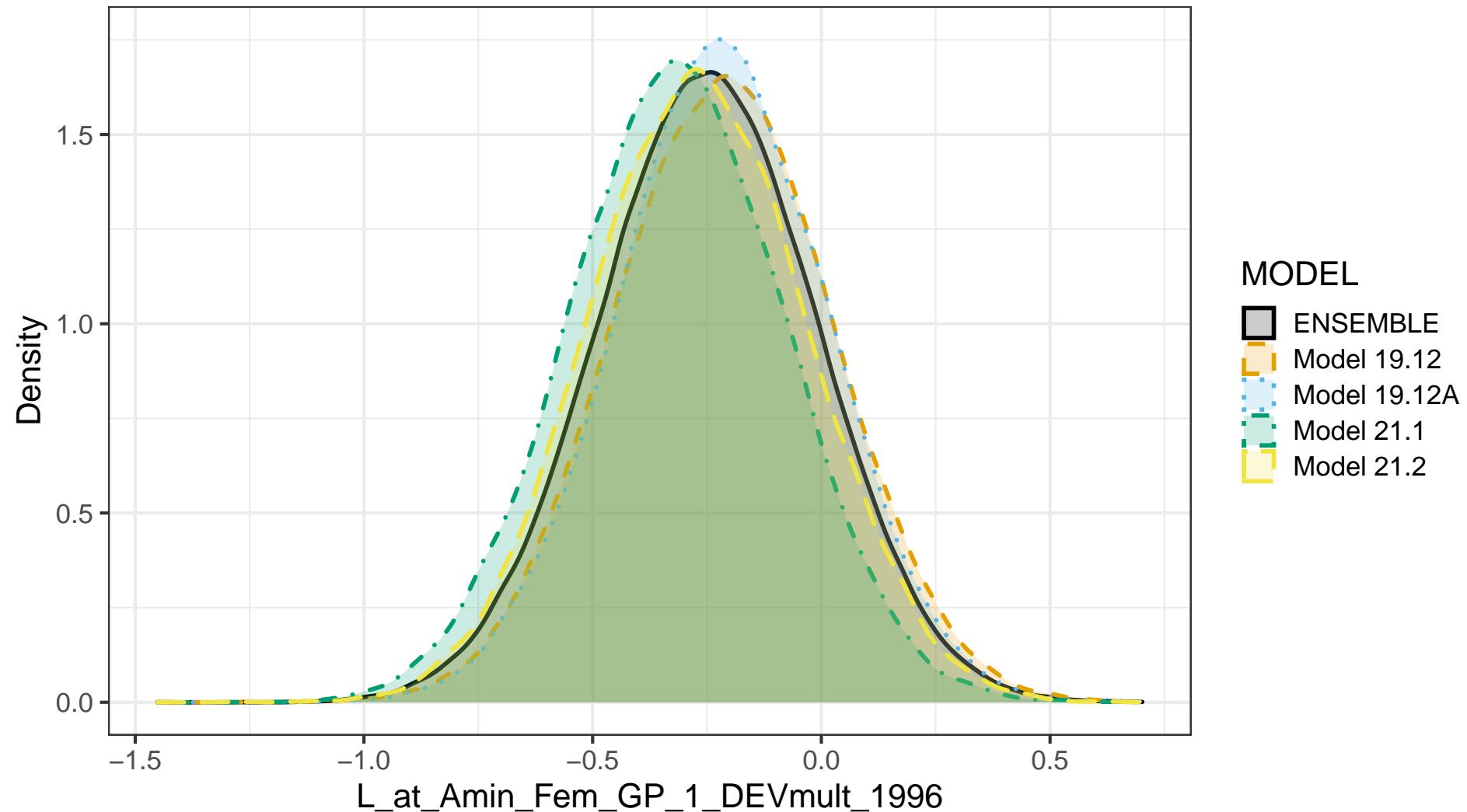
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1994



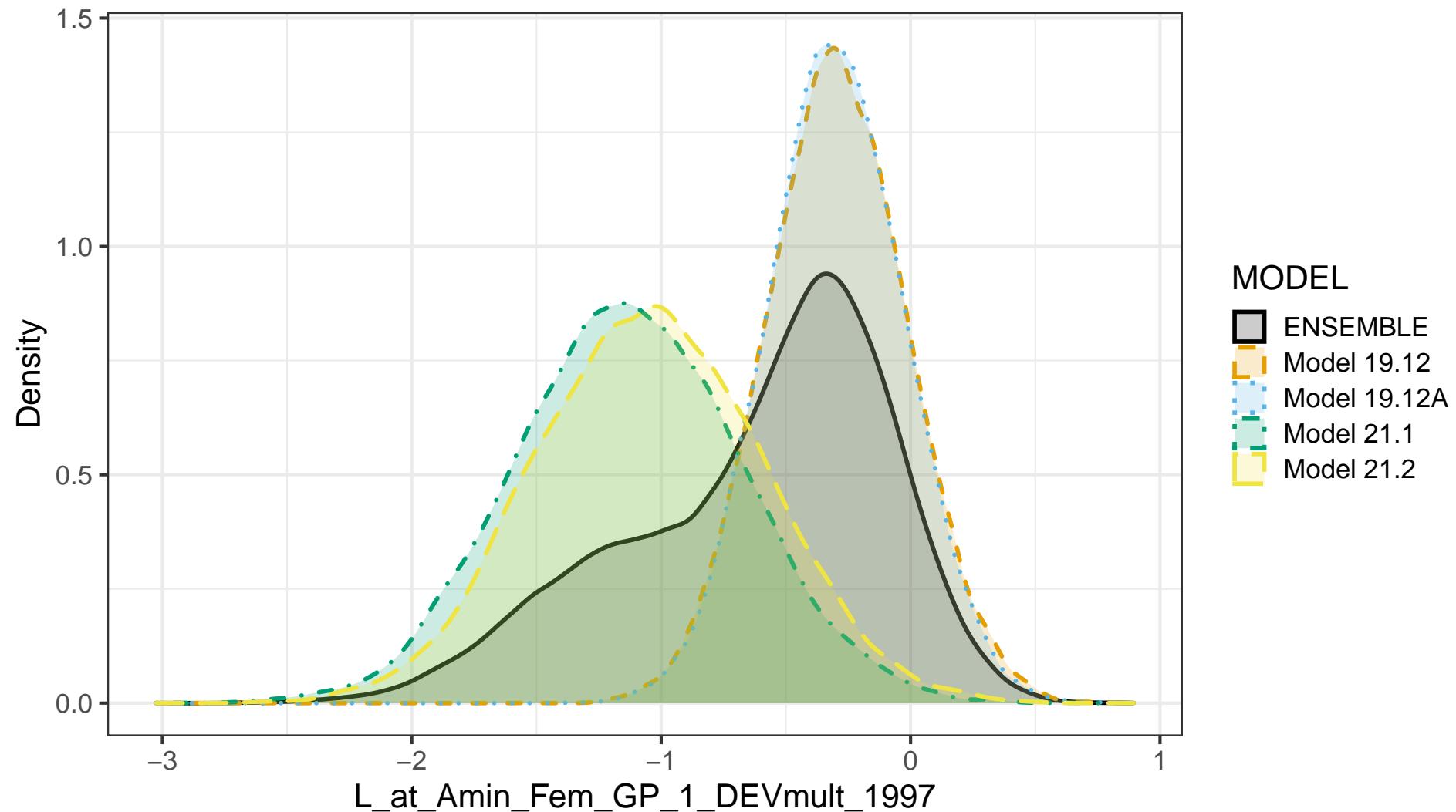
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1995



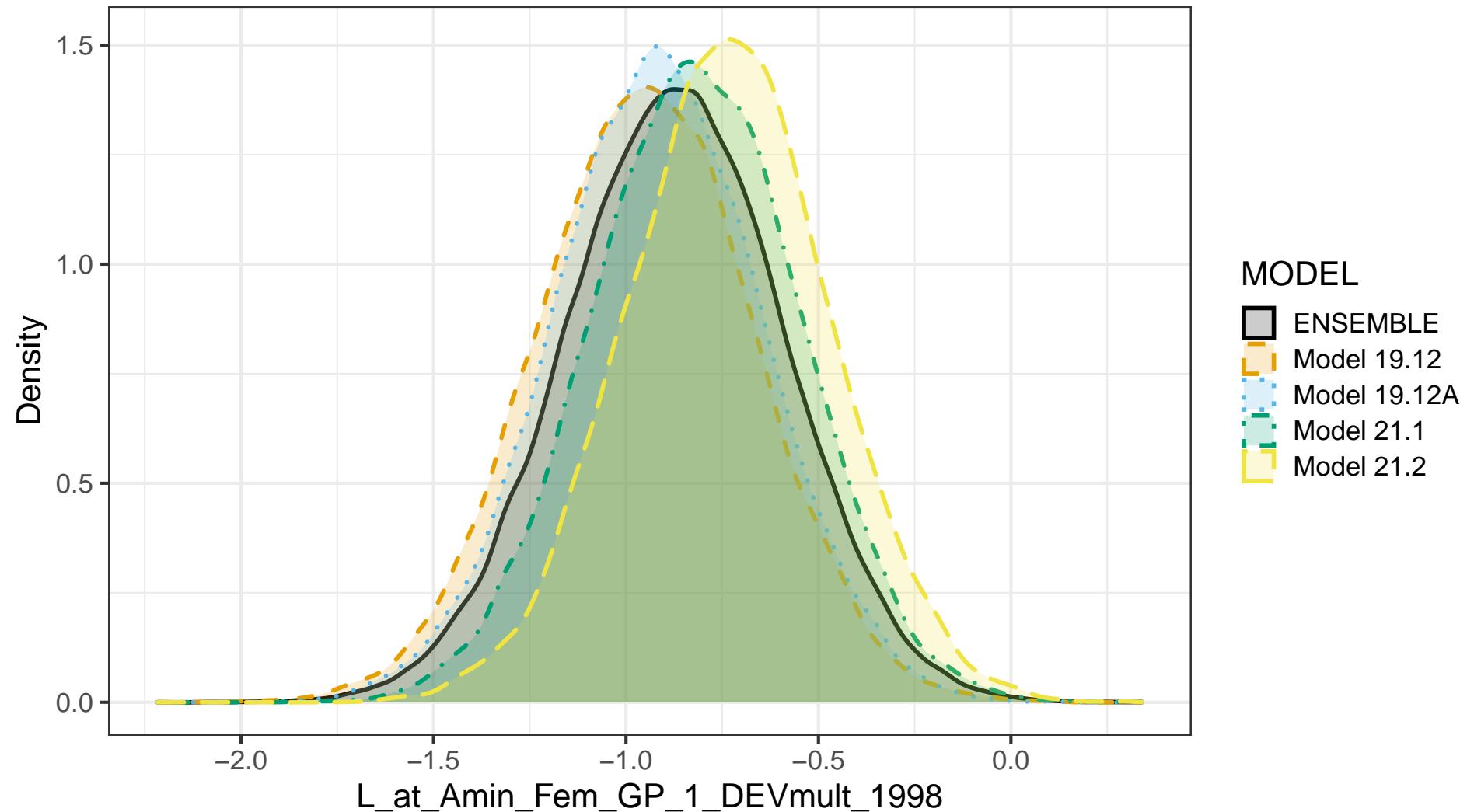
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1996



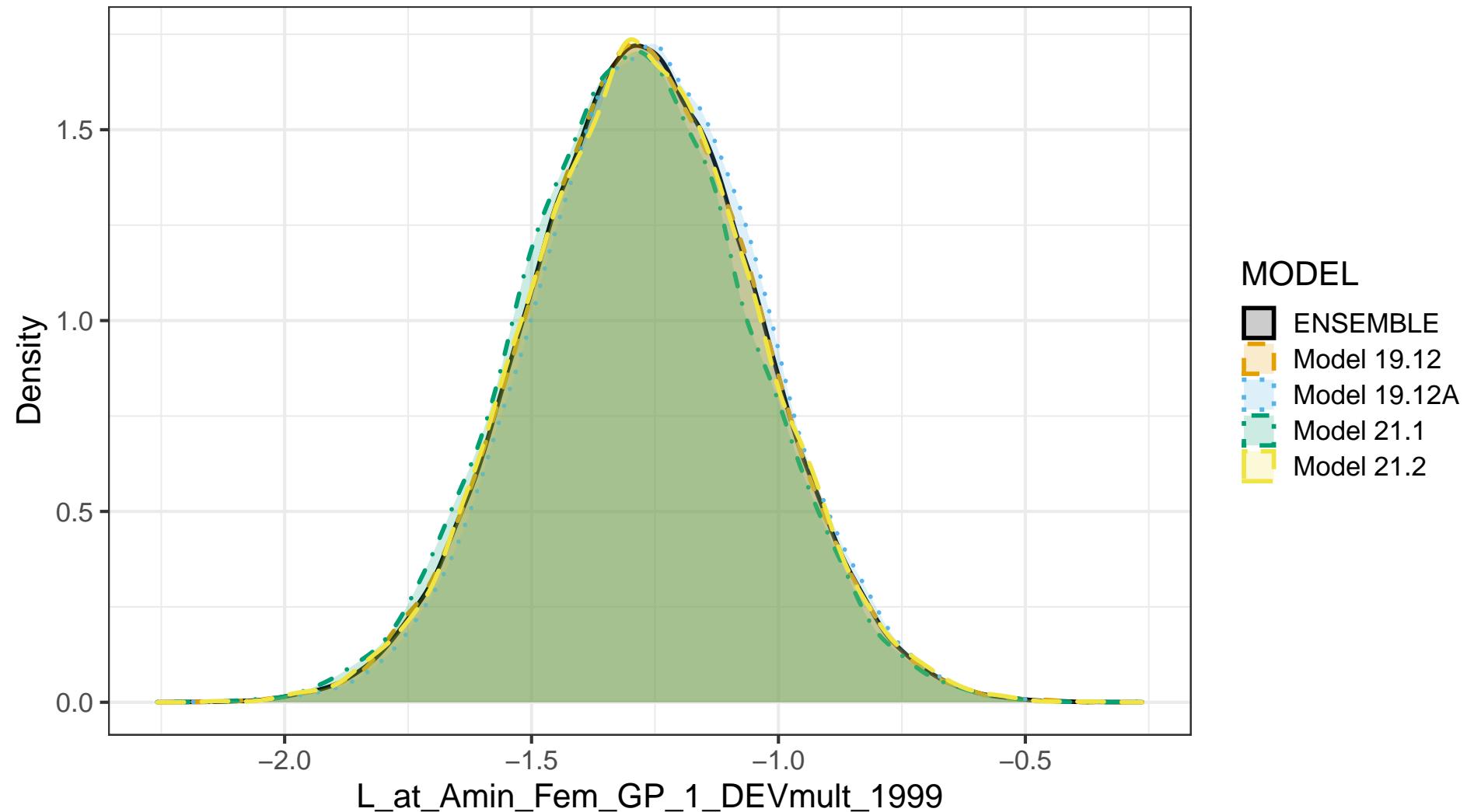
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1997



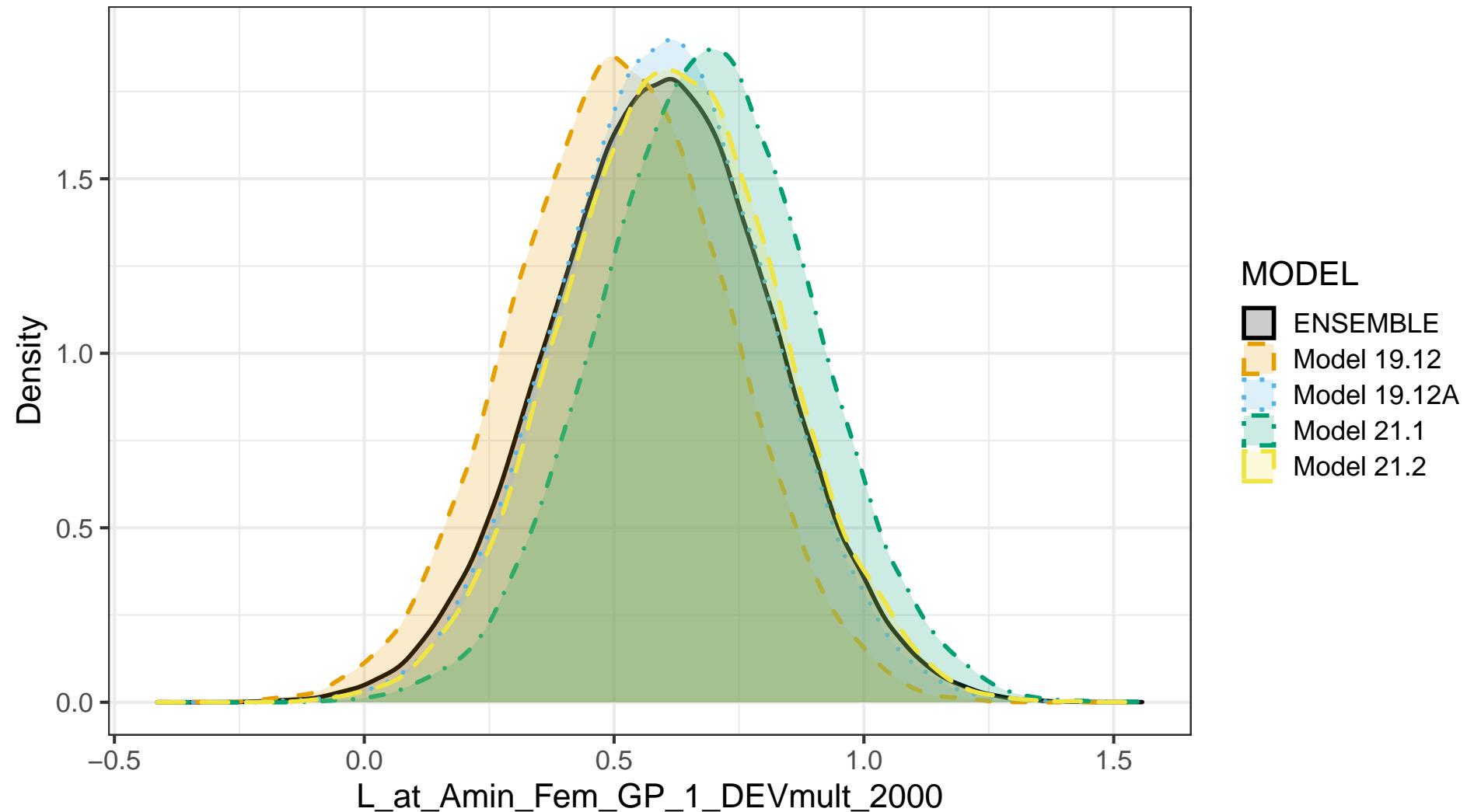
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1998



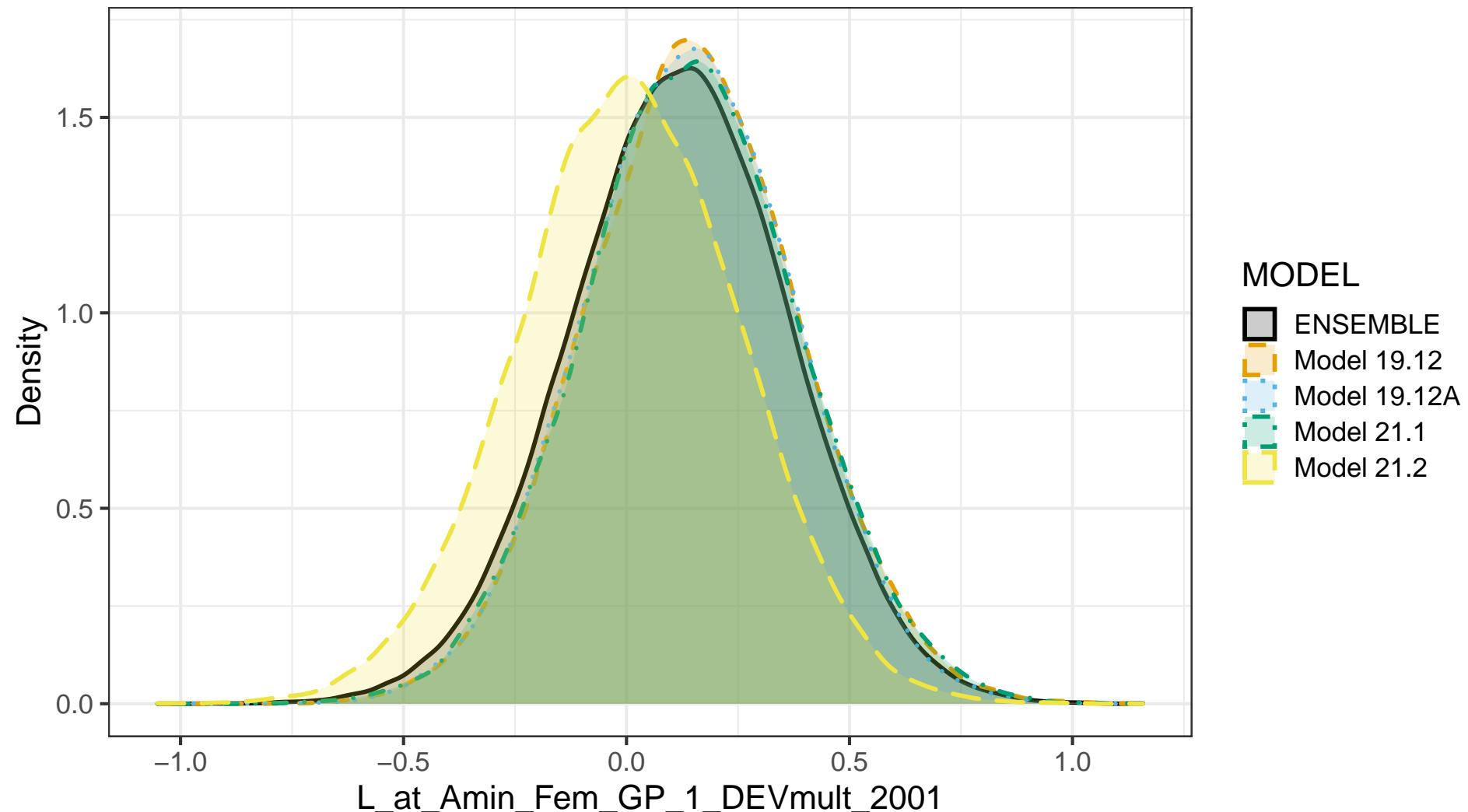
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_1999



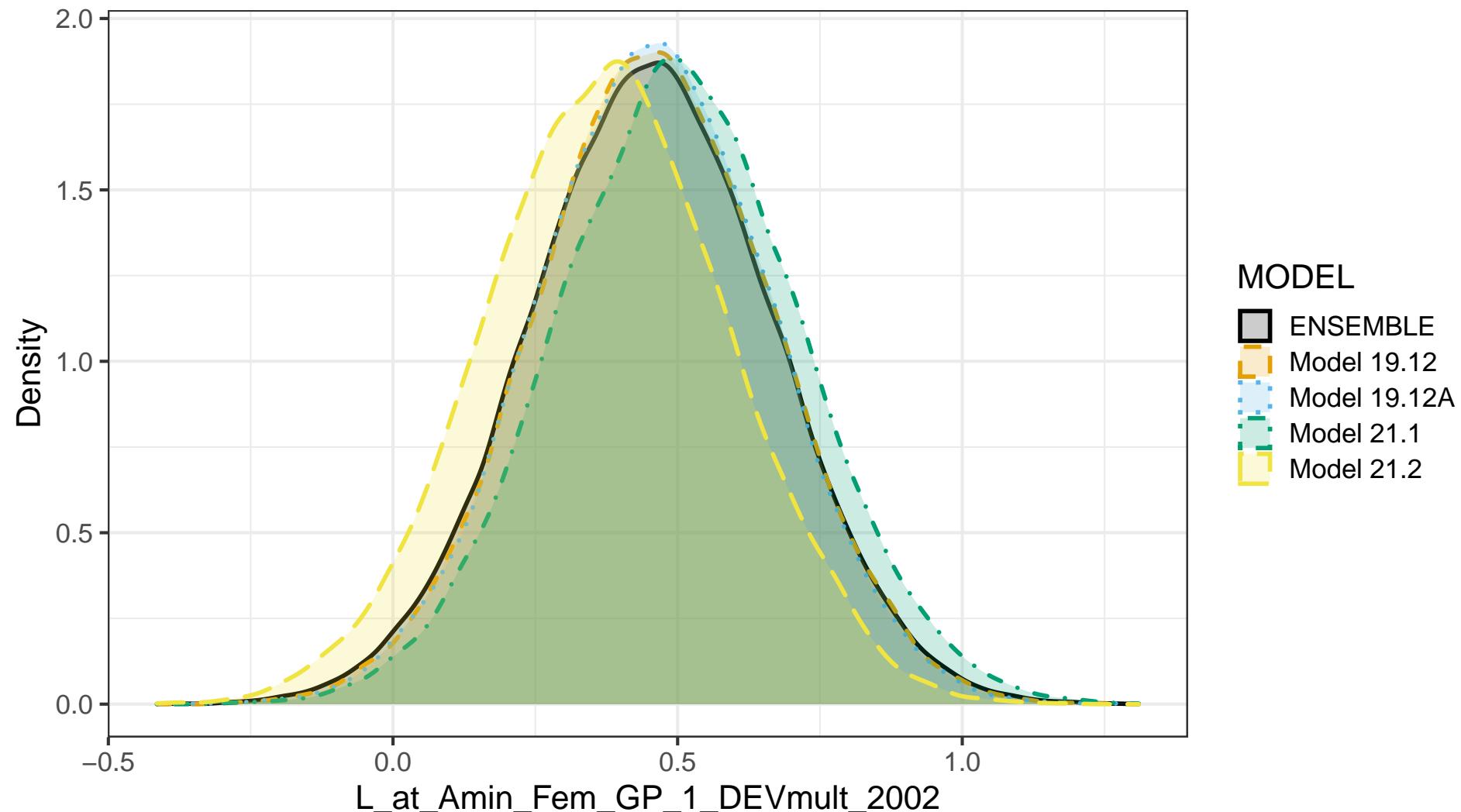
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2000



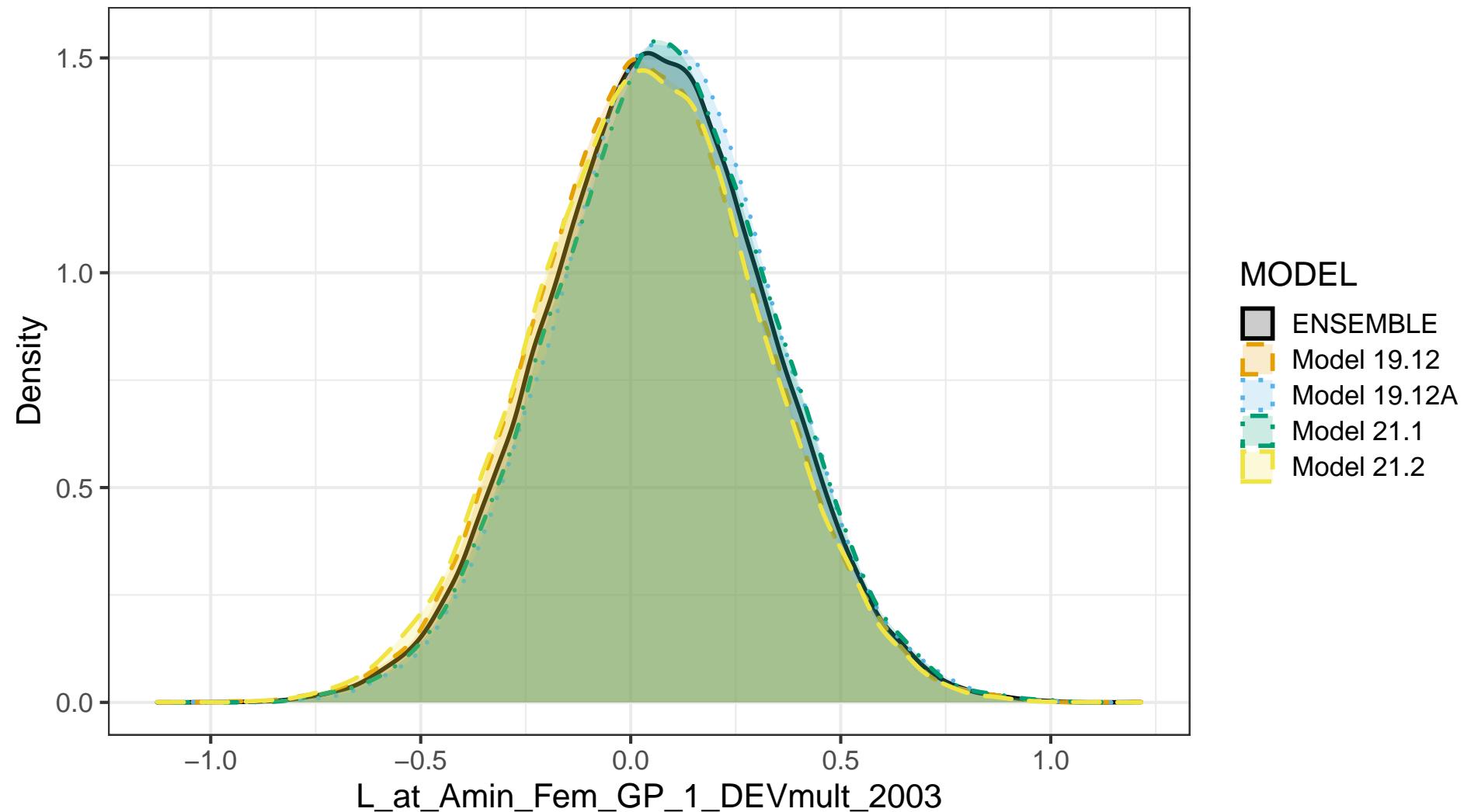
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2001



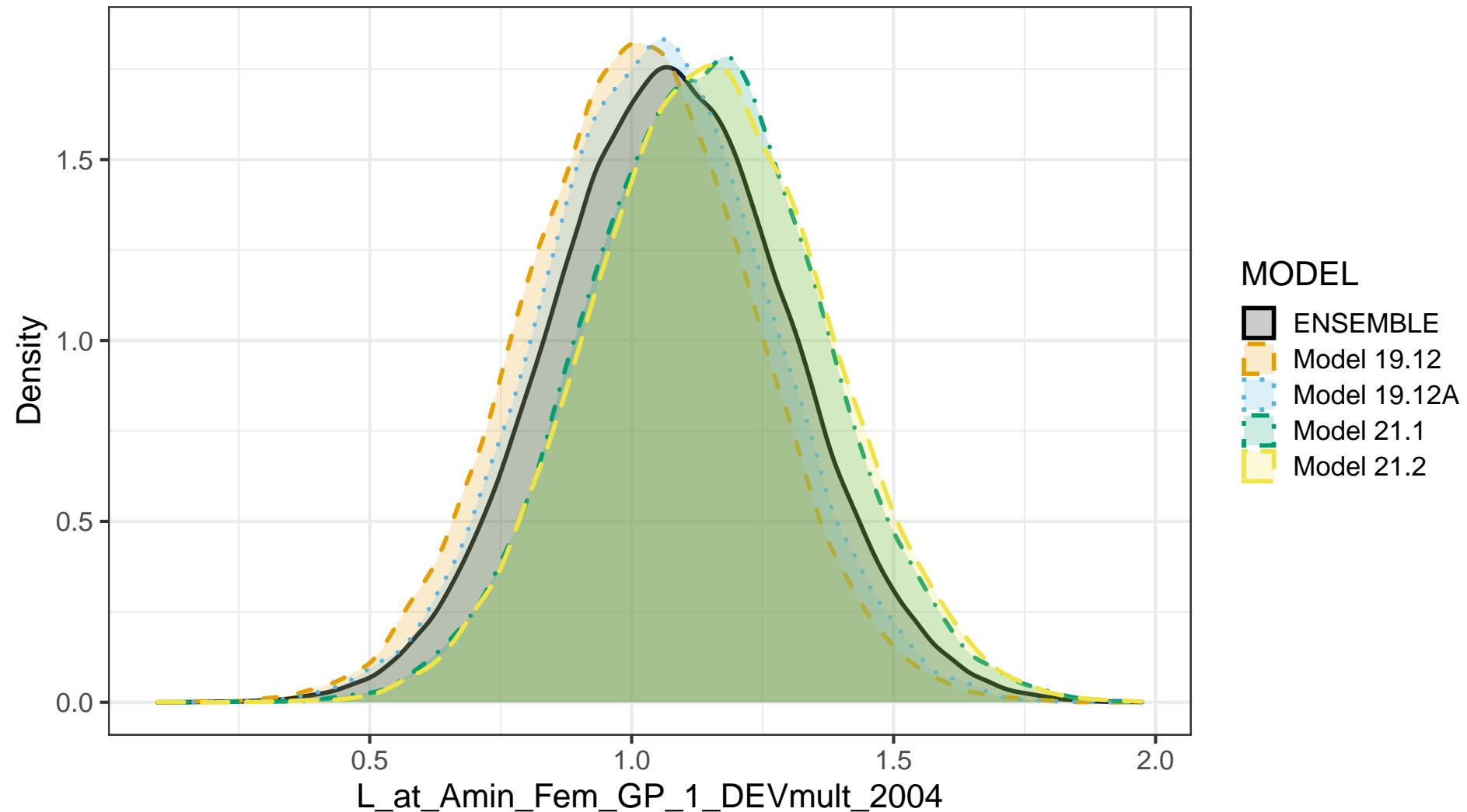
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2002



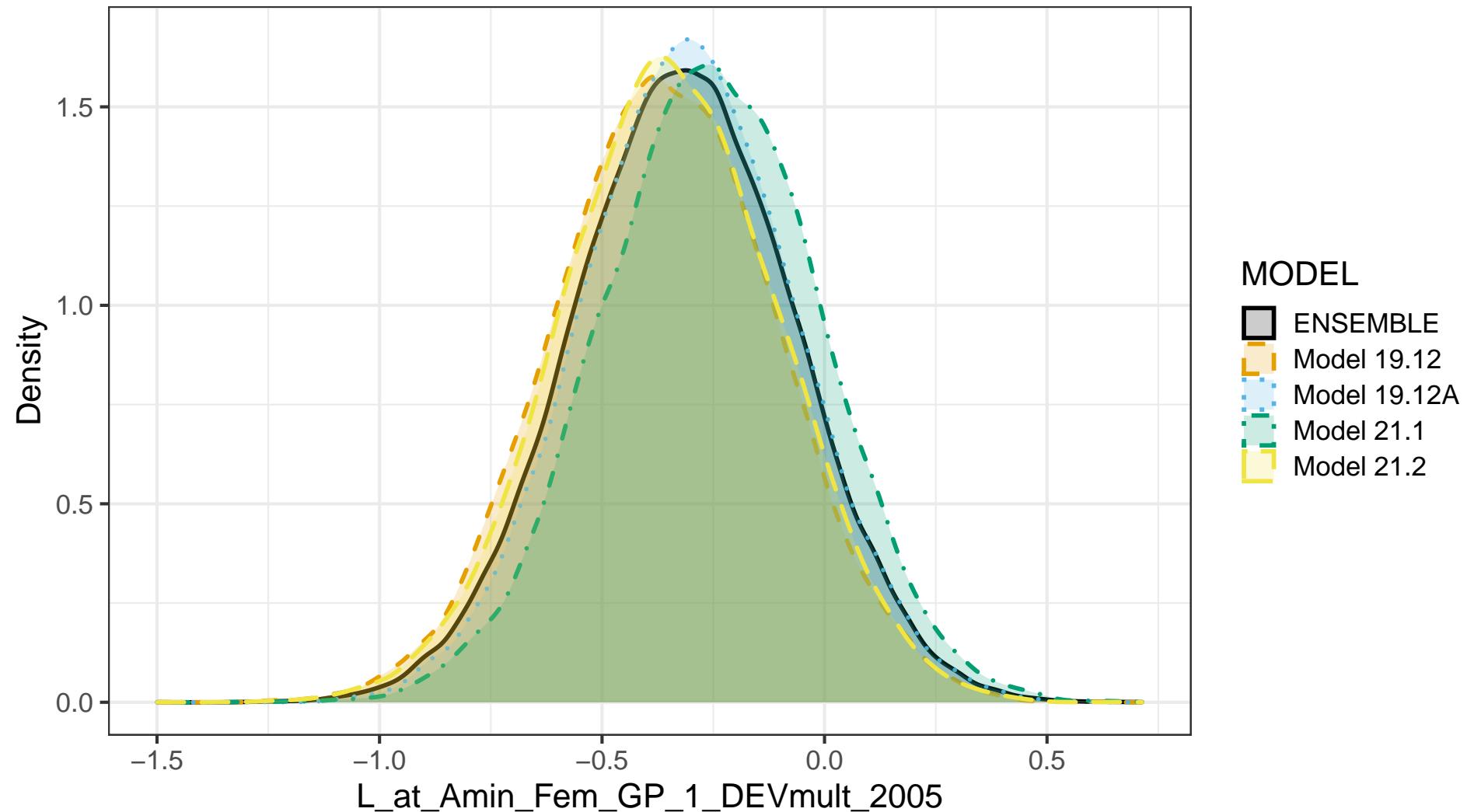
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2003



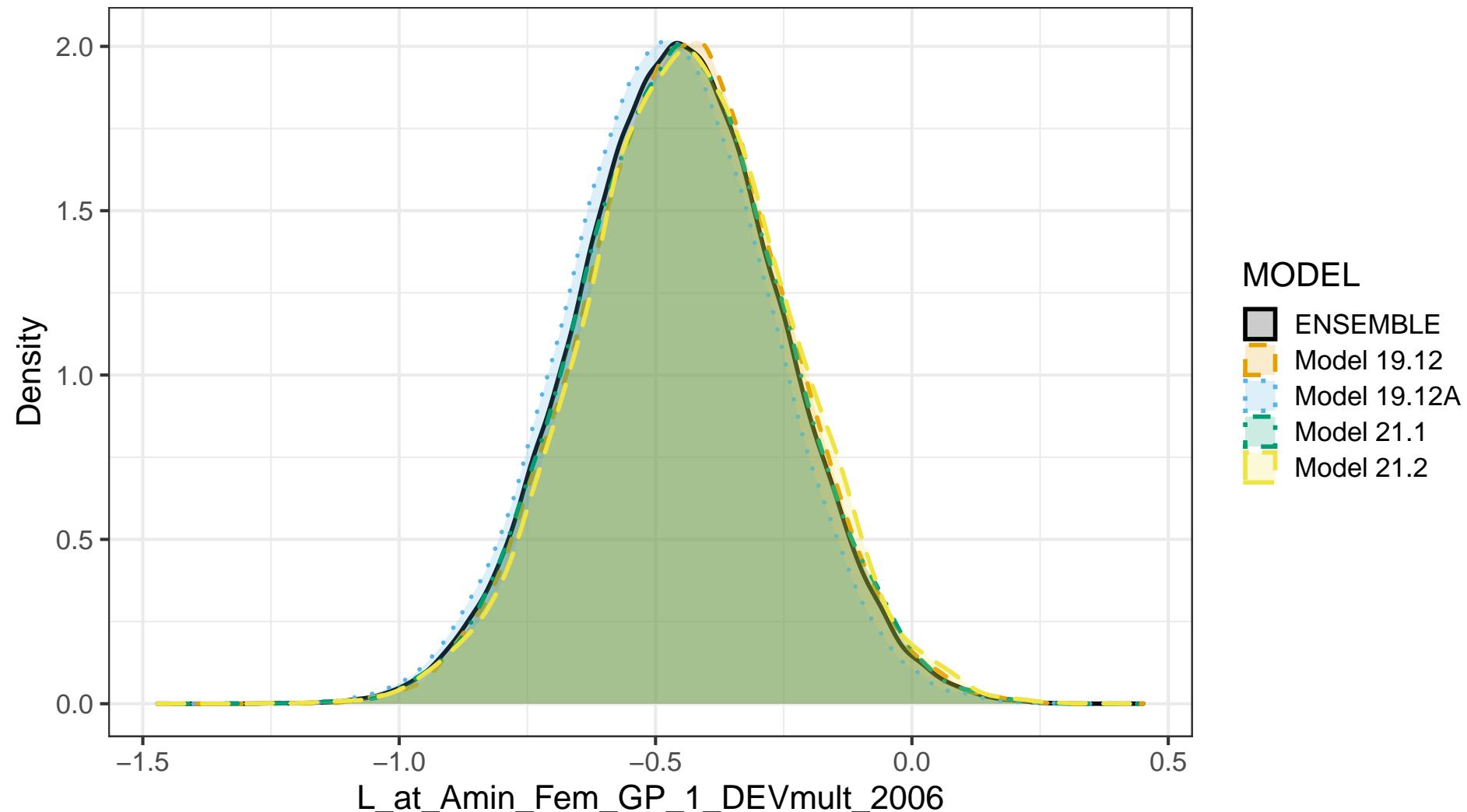
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2004



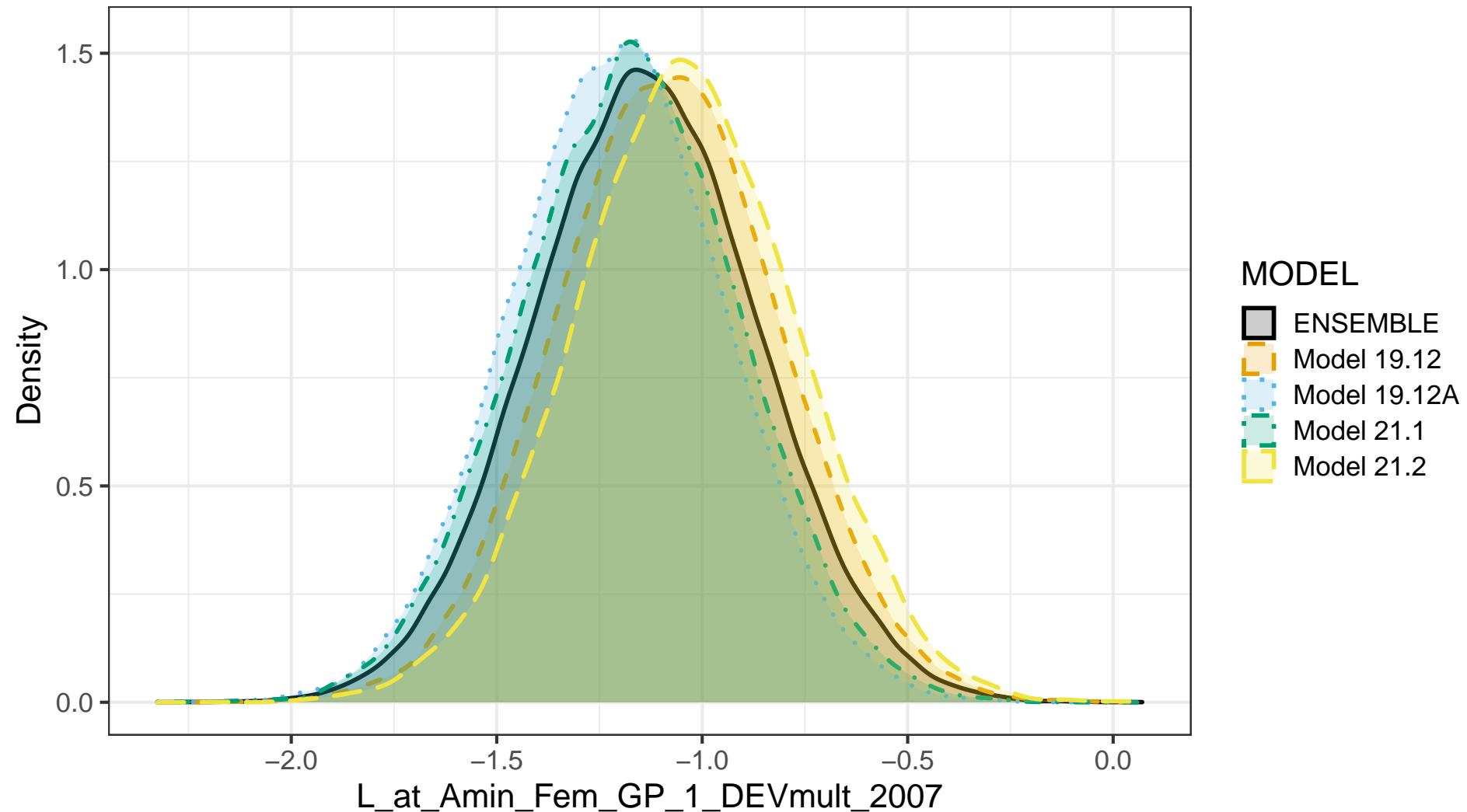
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2005



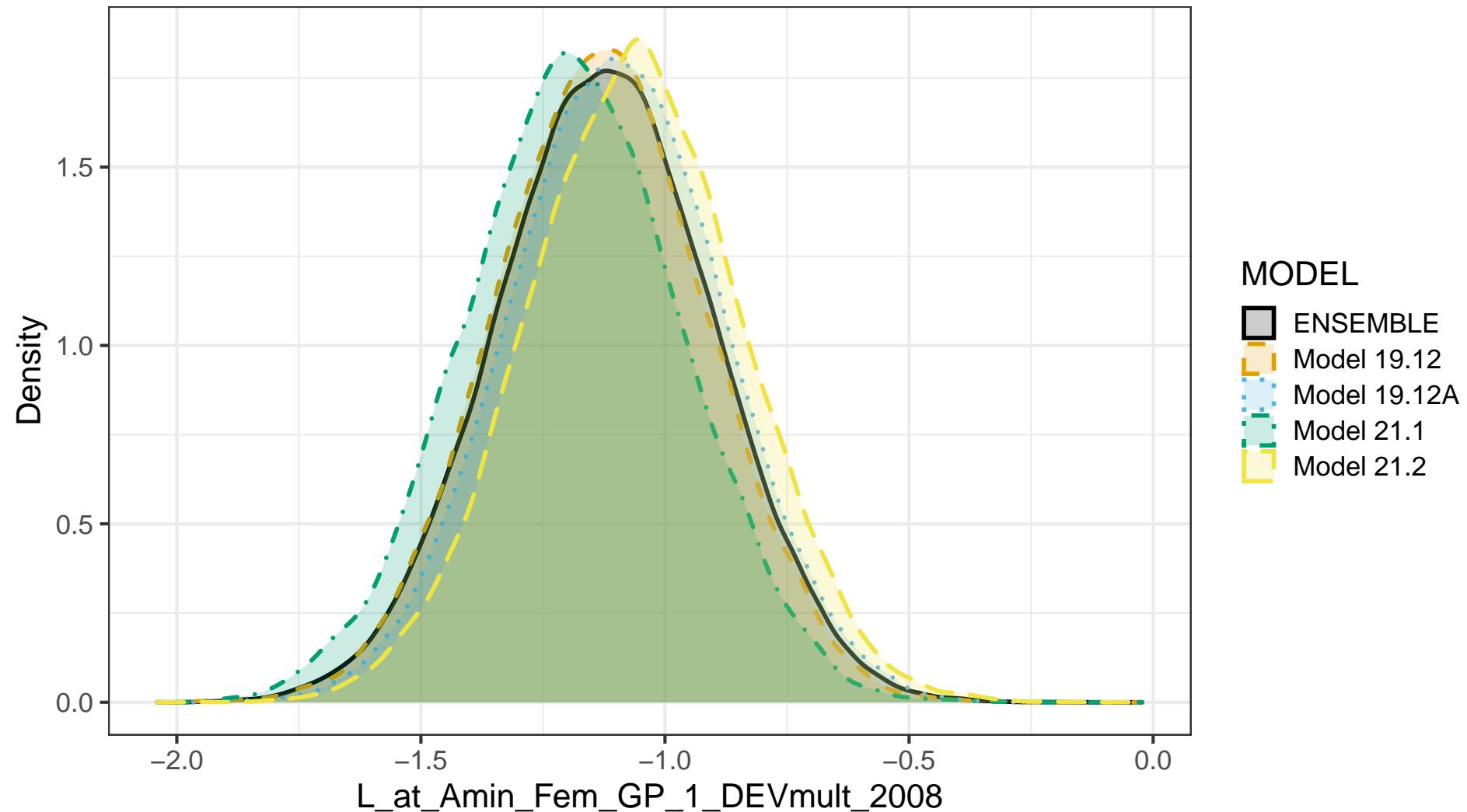
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2006



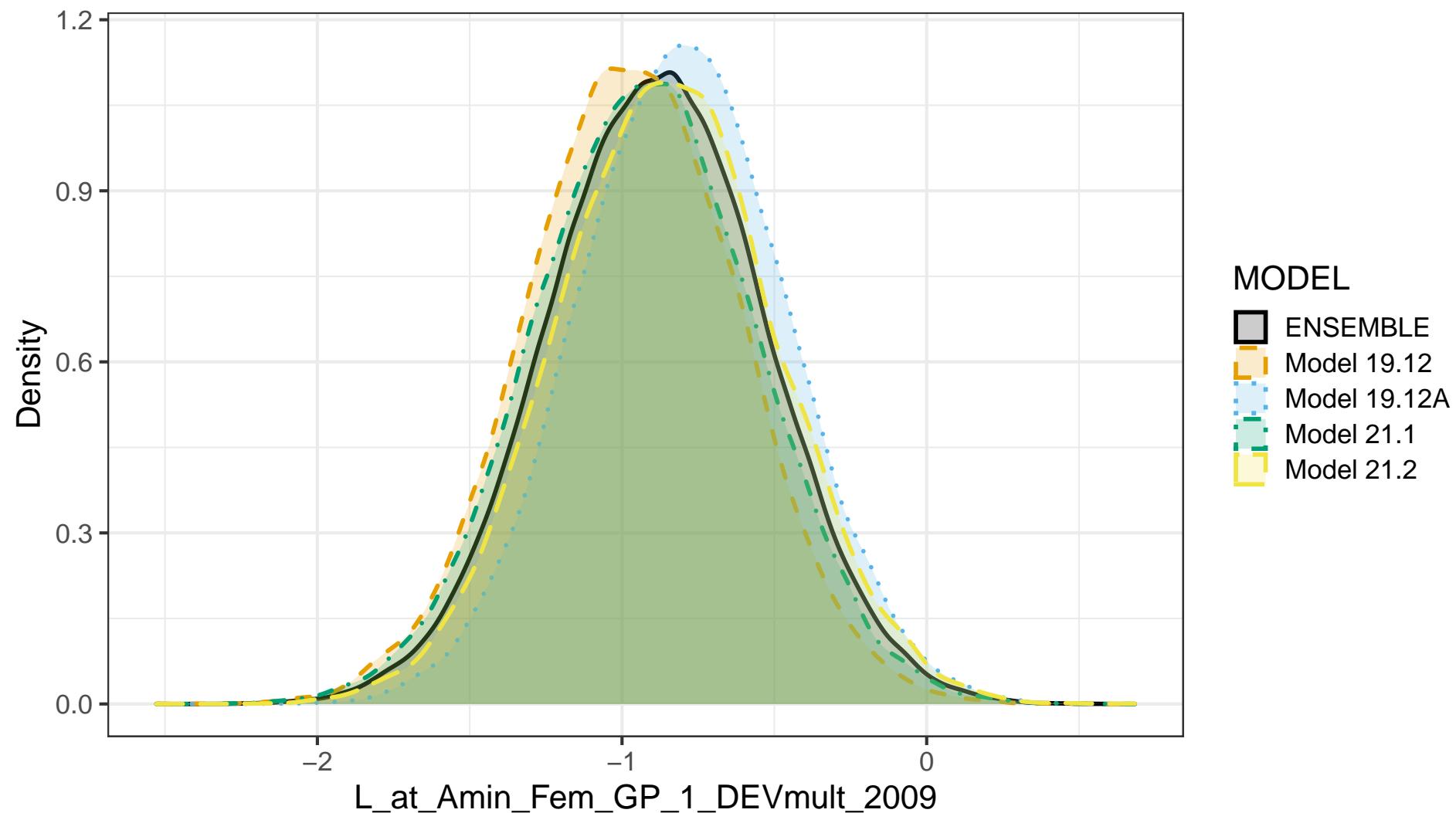
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2007



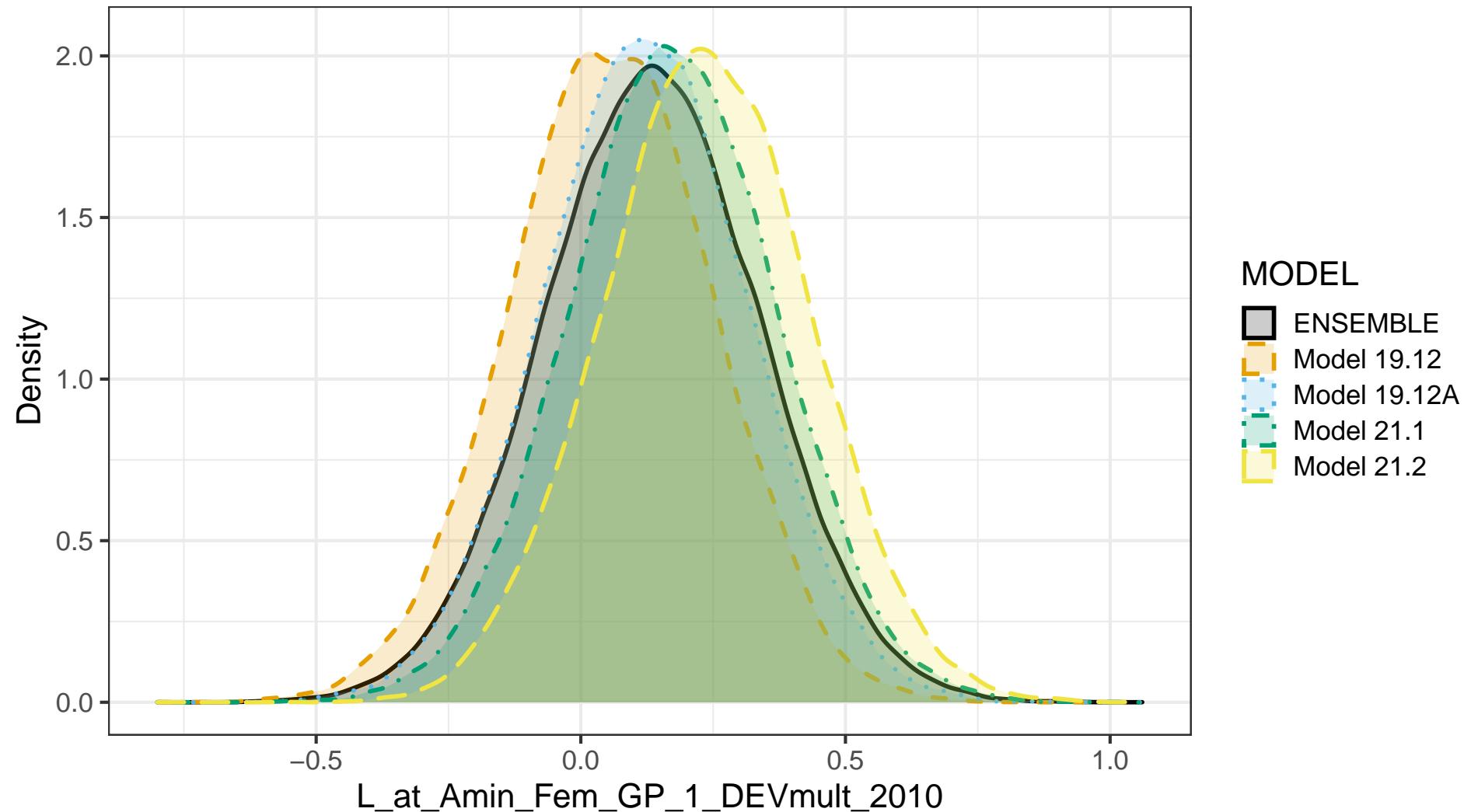
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2008



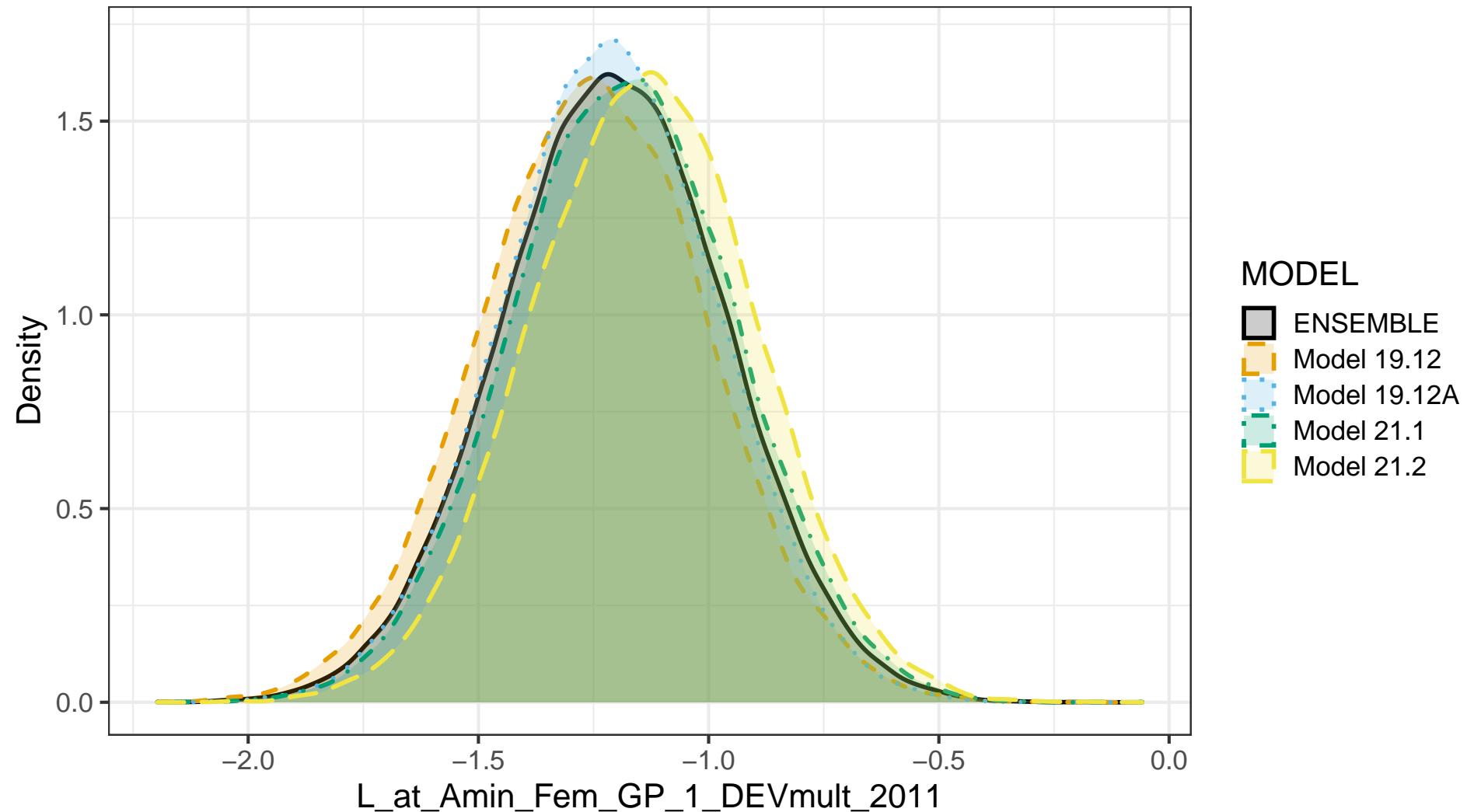
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2009



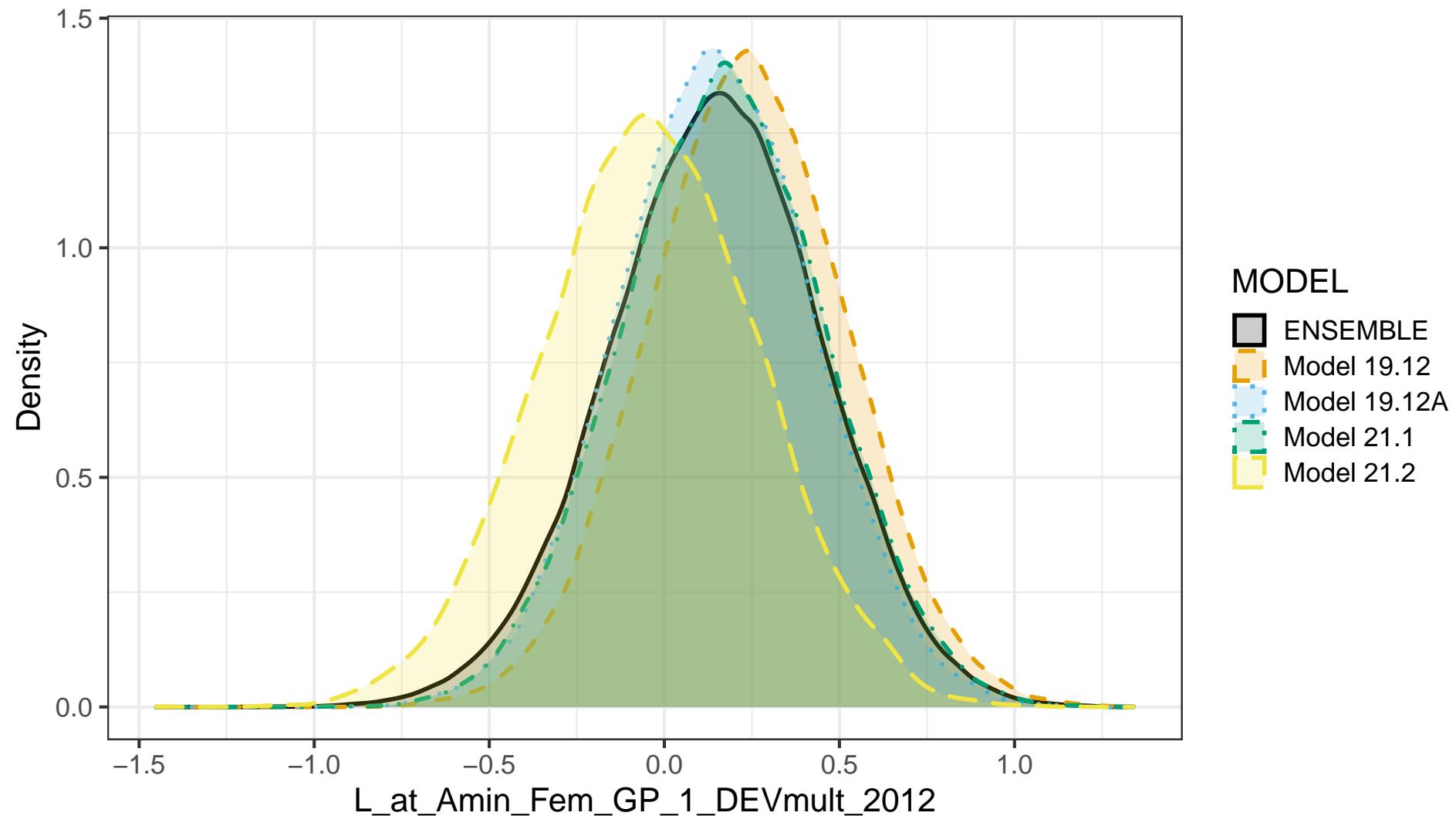
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2010



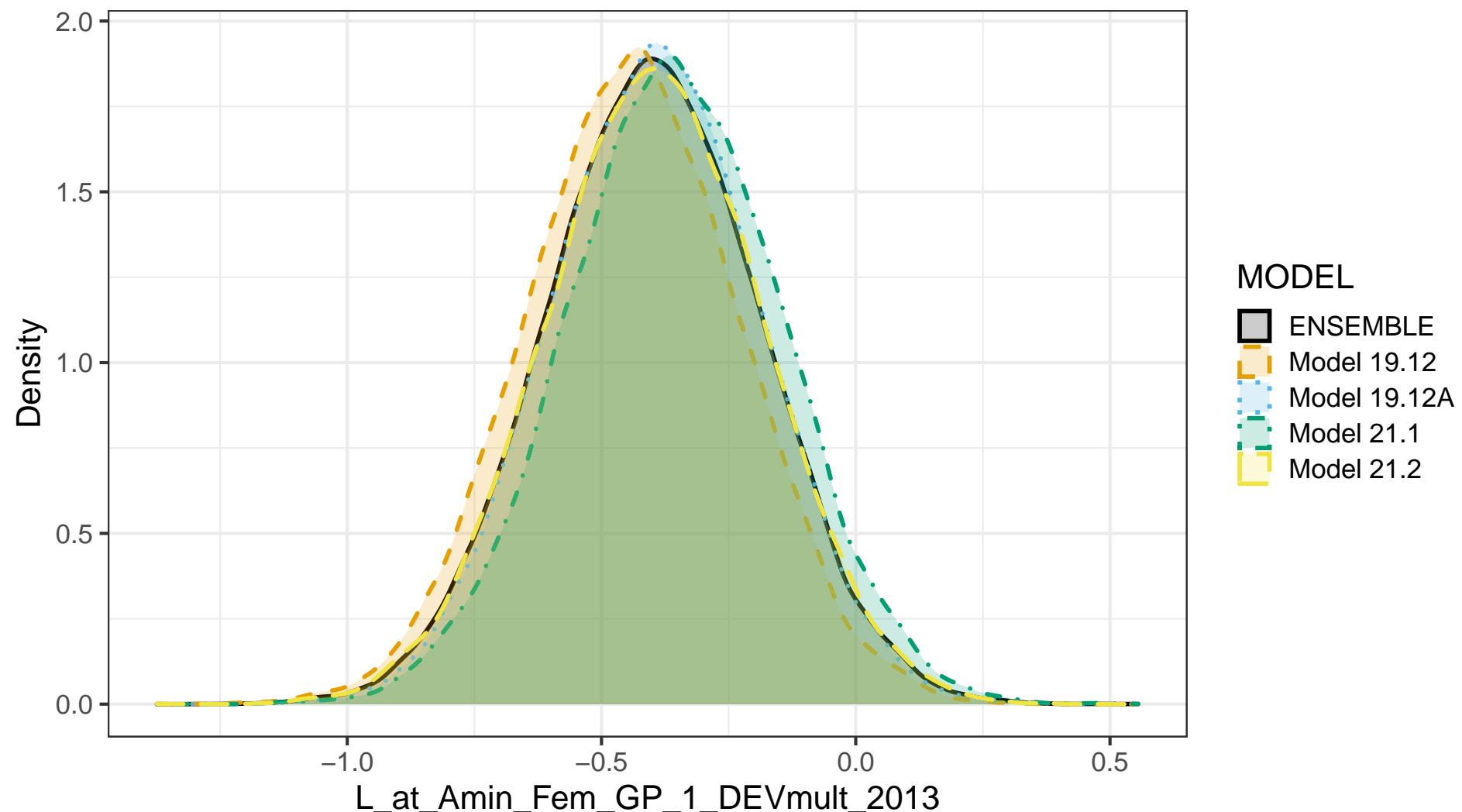
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2011



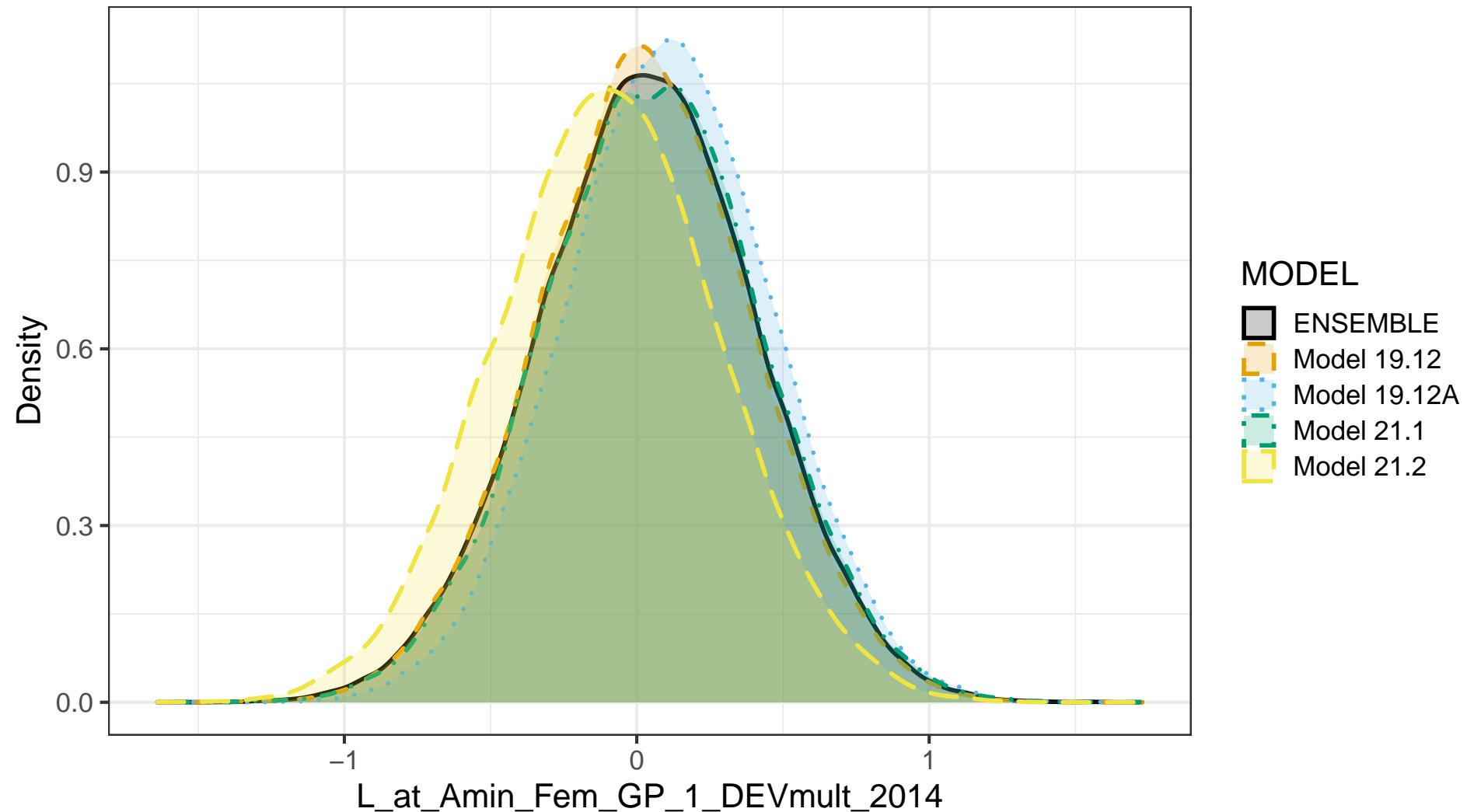
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2012



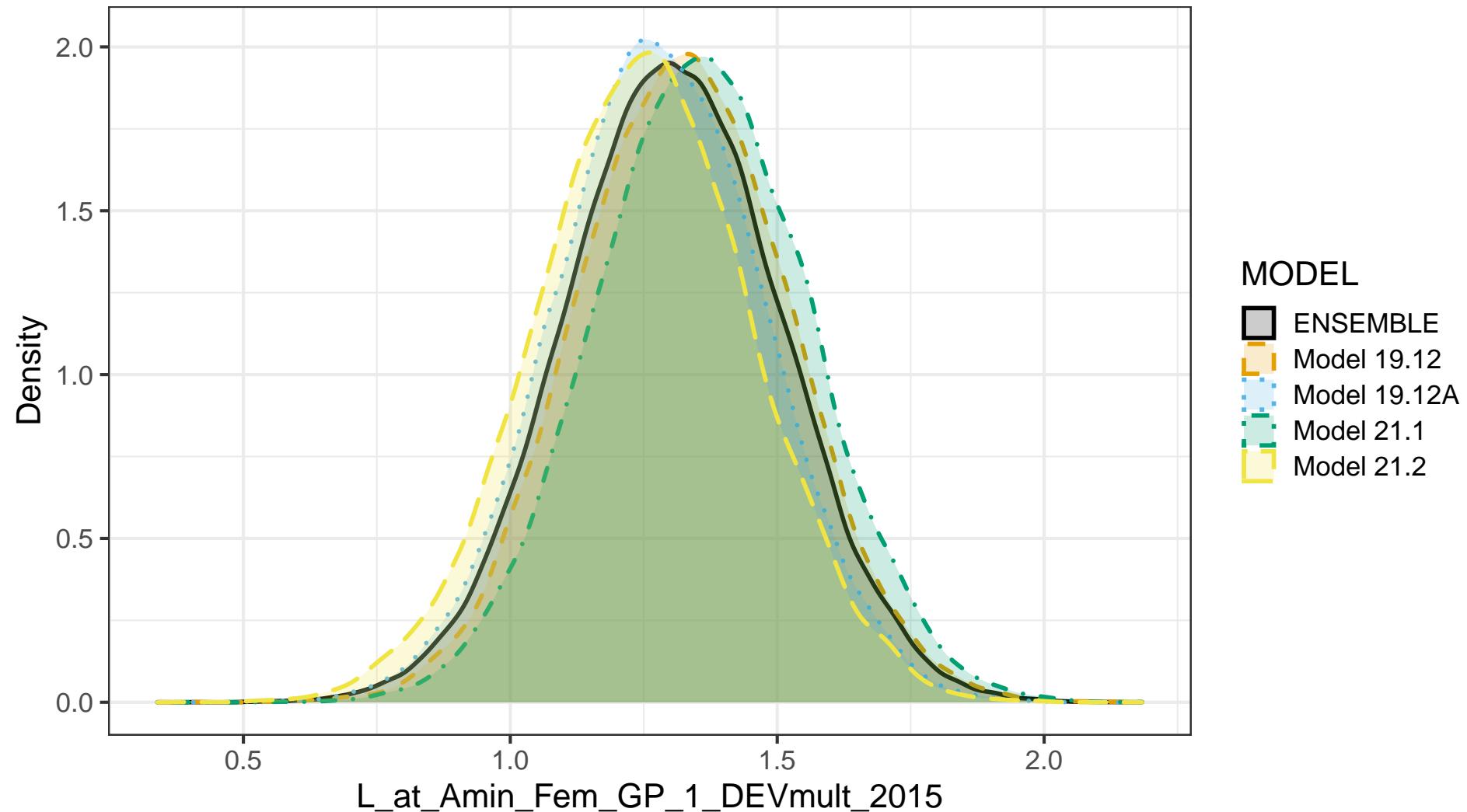
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2013



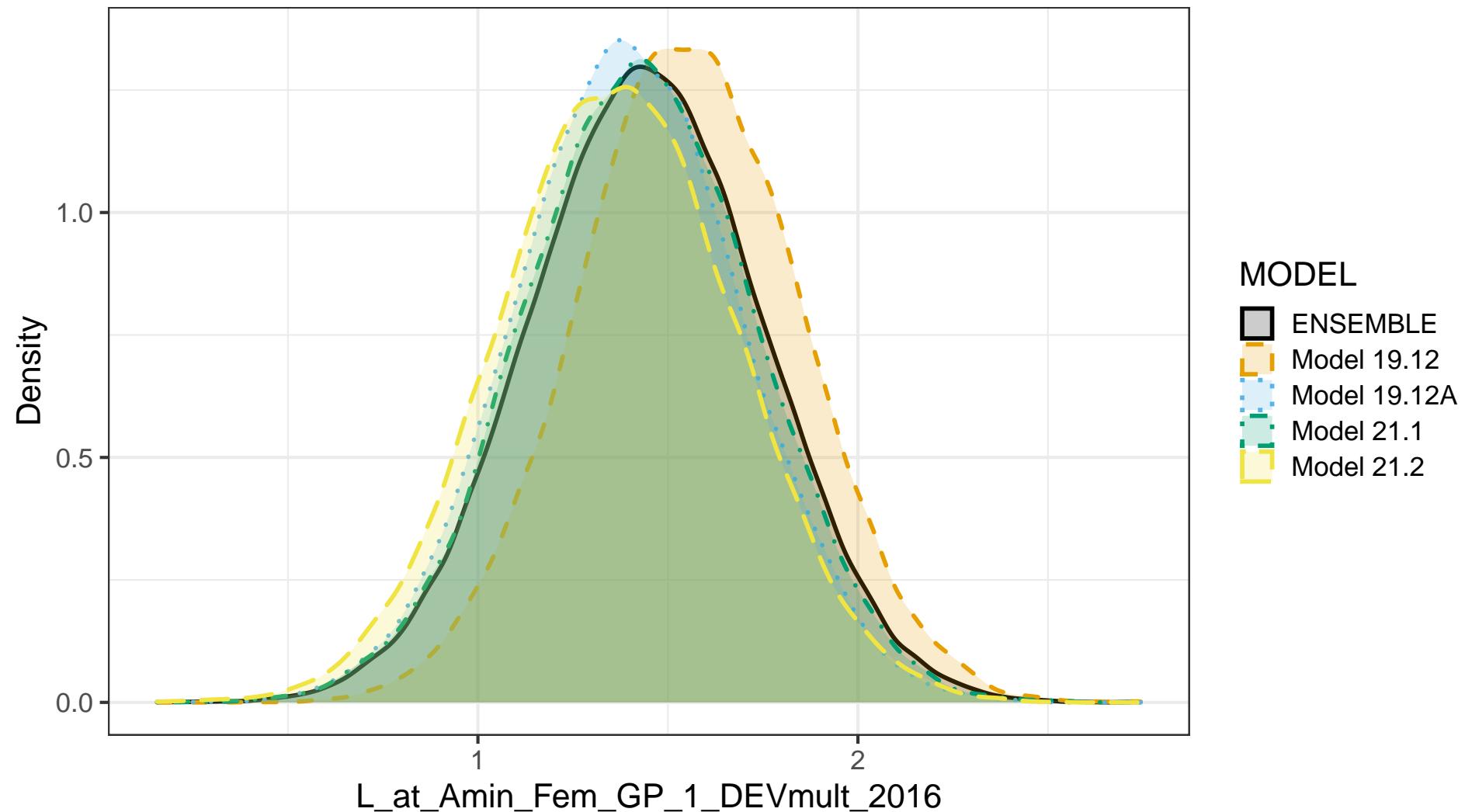
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2014



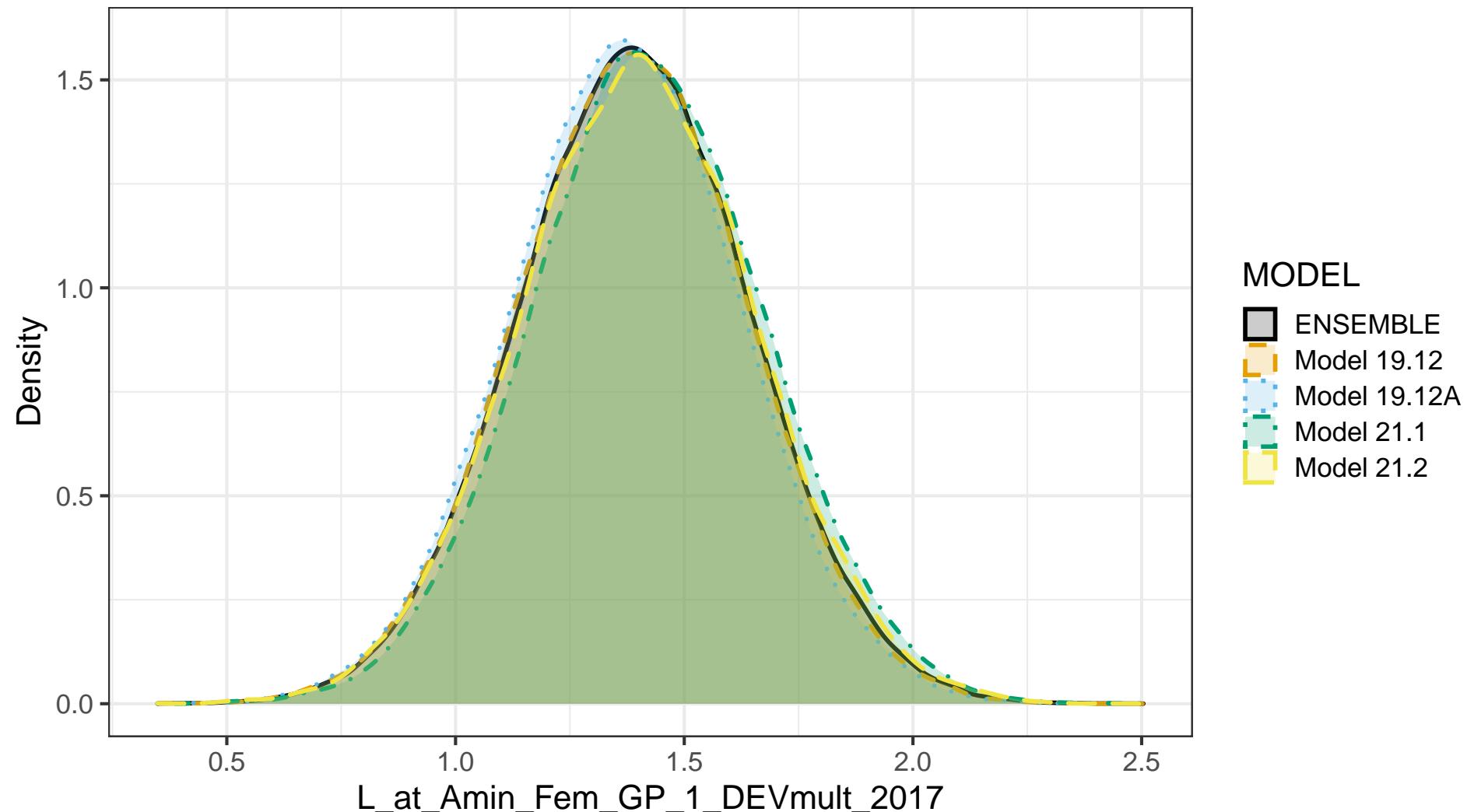
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2015



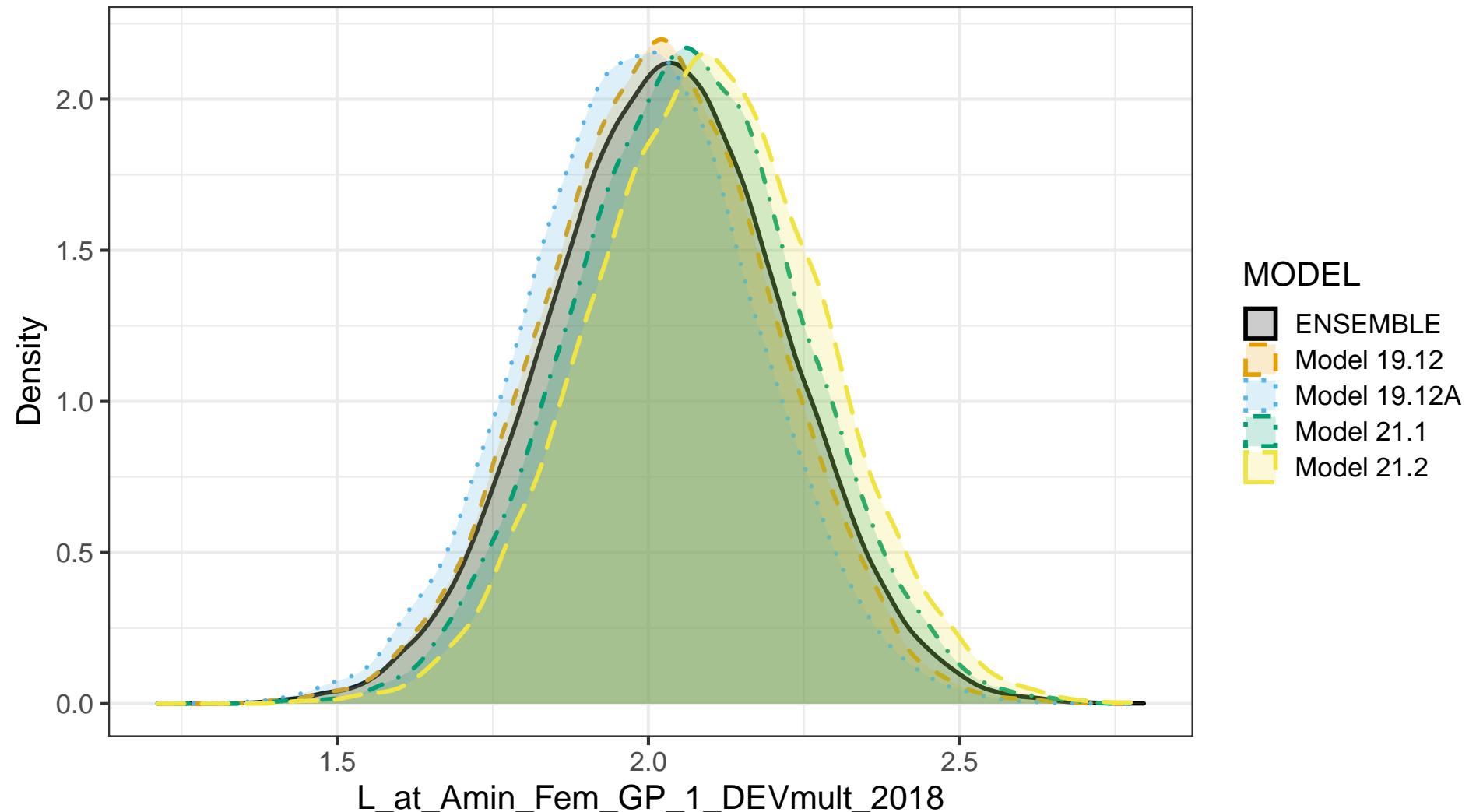
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2016



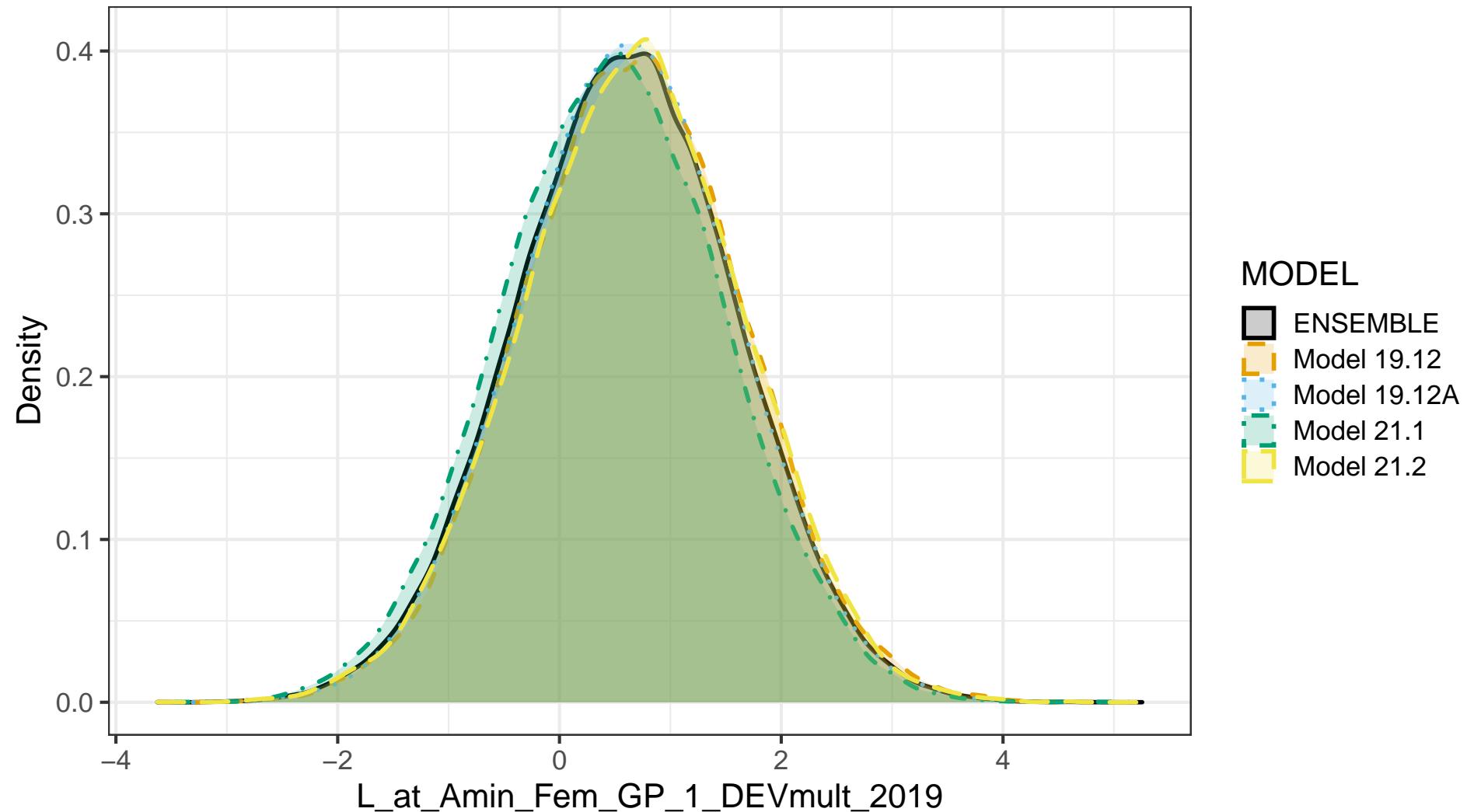
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2017



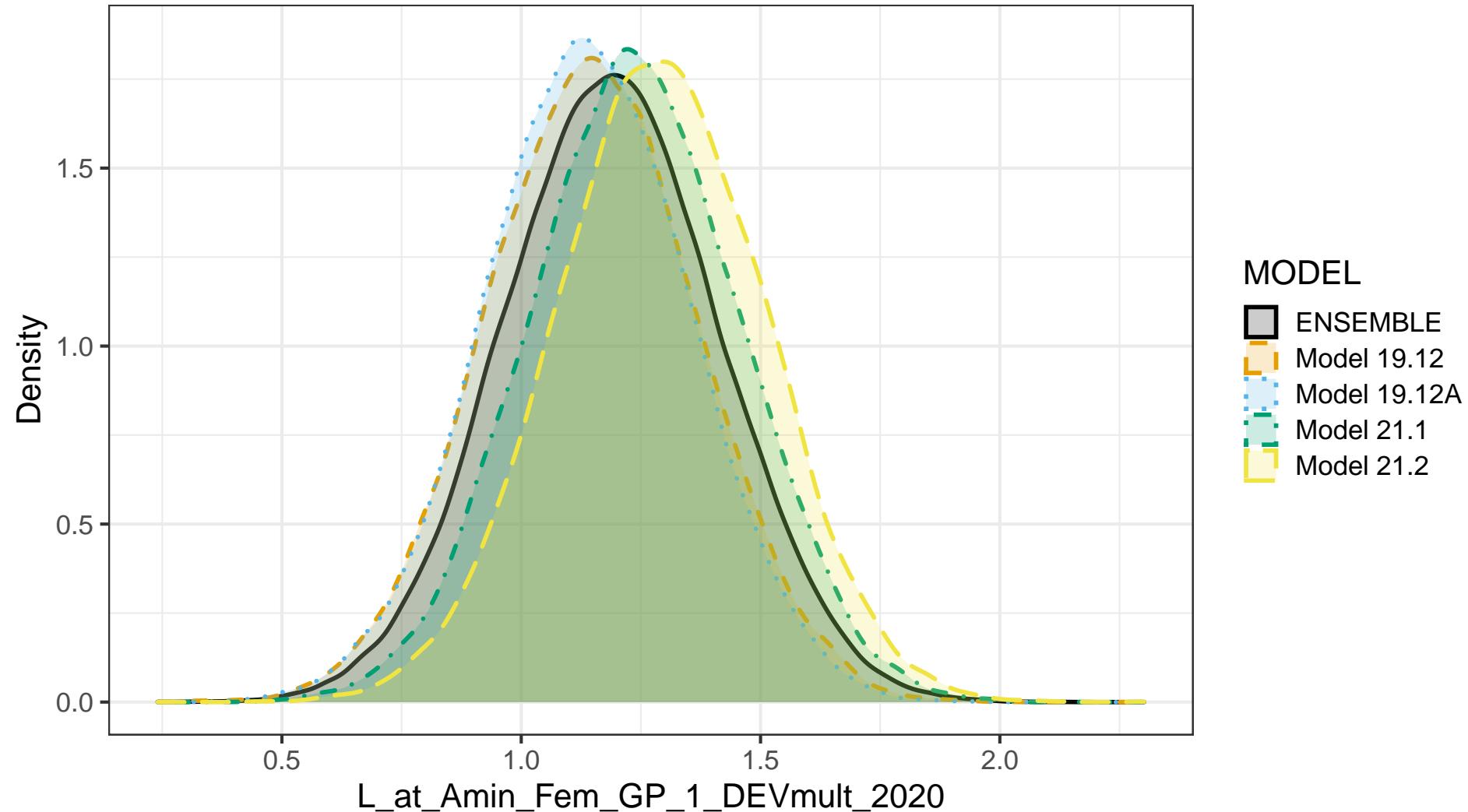
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2018



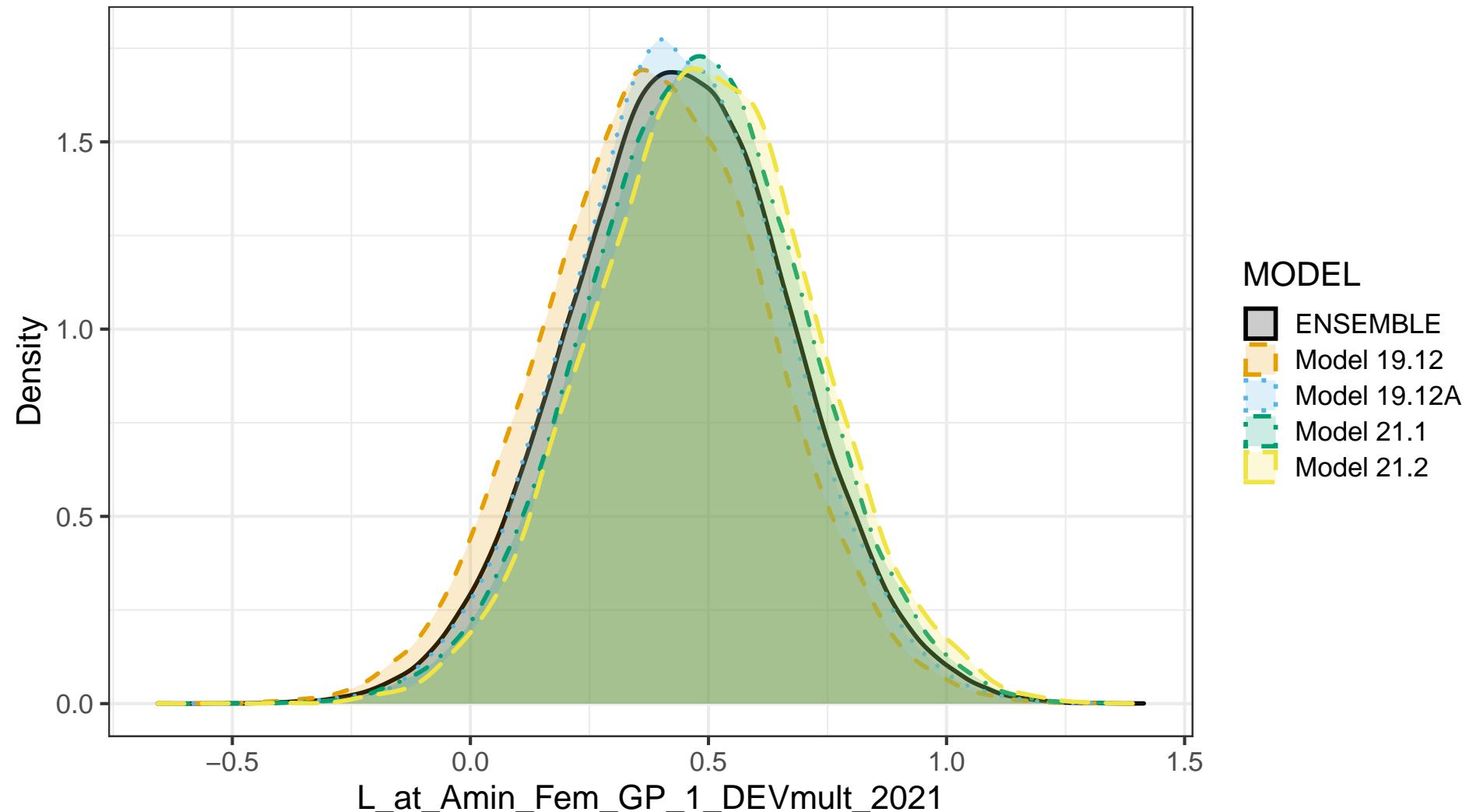
# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2019



# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2020



# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2021



# L\_at\_Amin\_Fem\_GP\_1\_DEVmult\_2022

