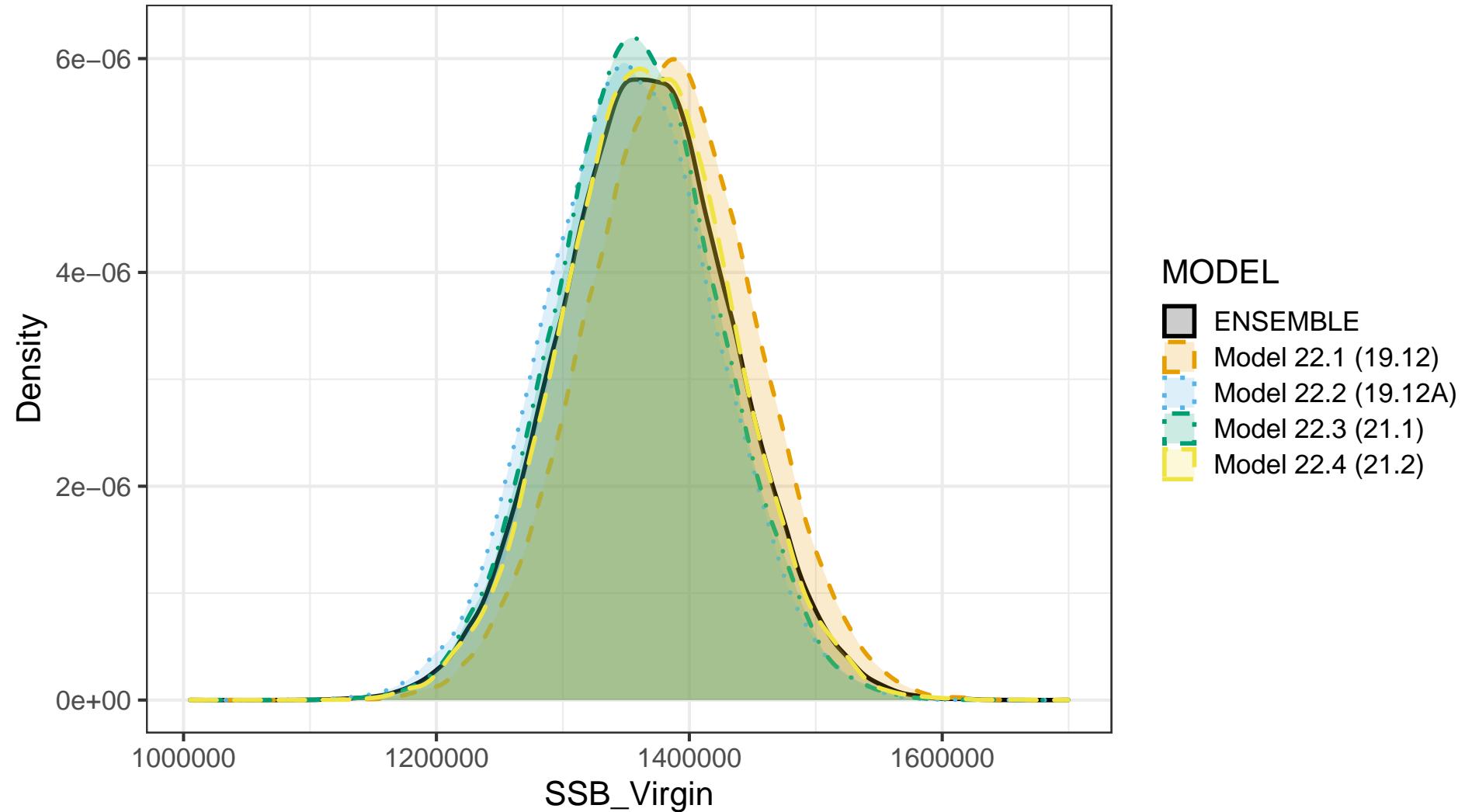
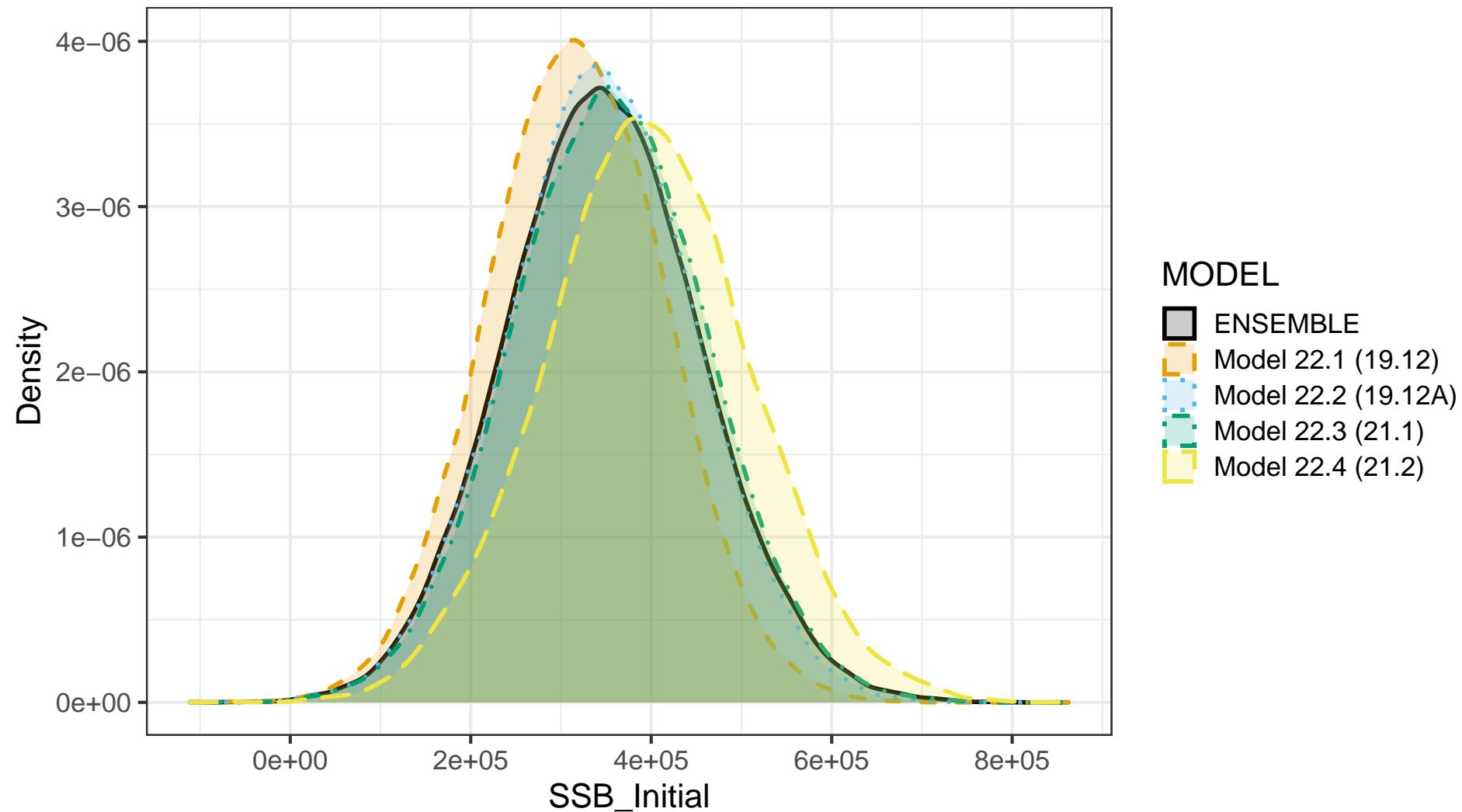


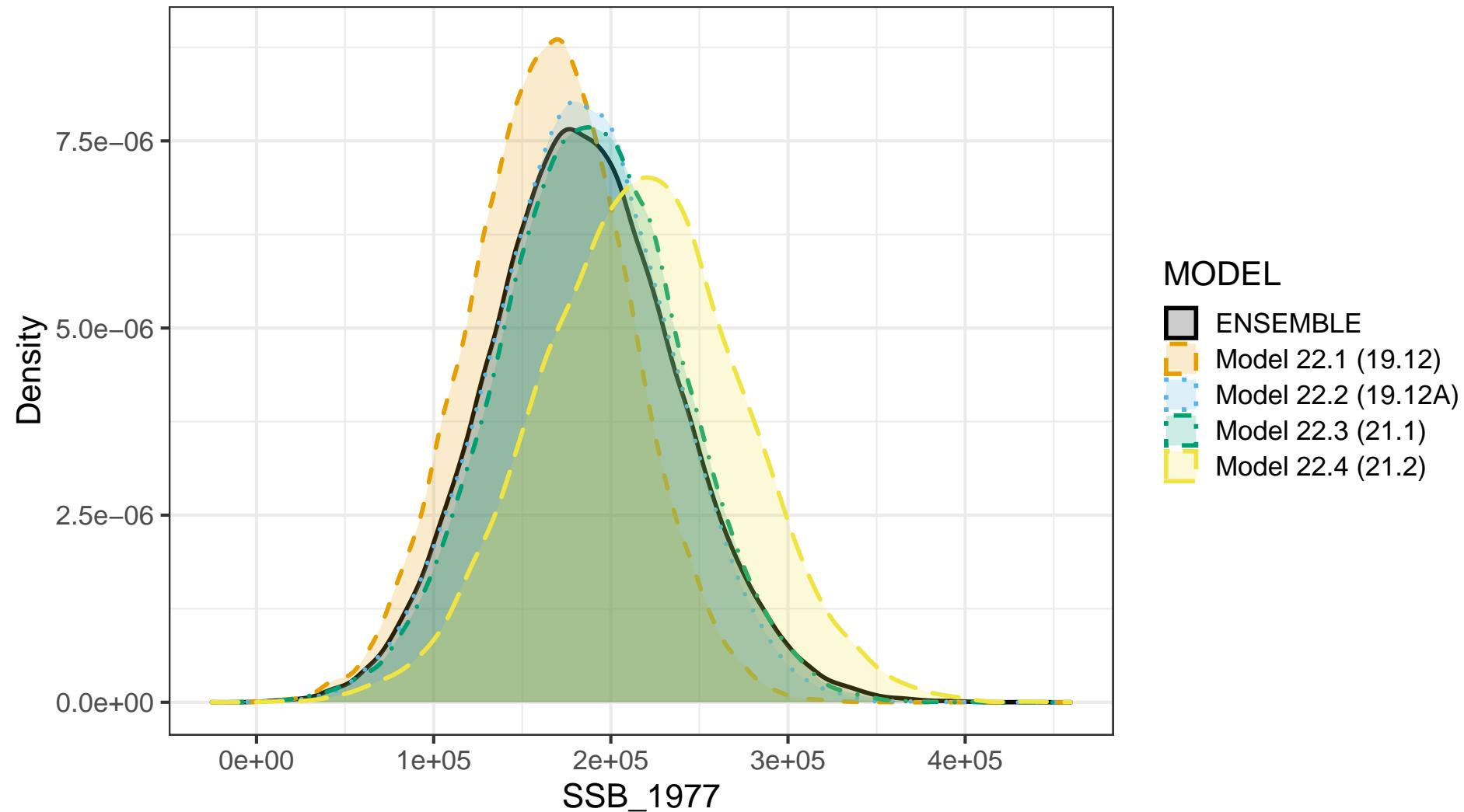
SSB_Virgin



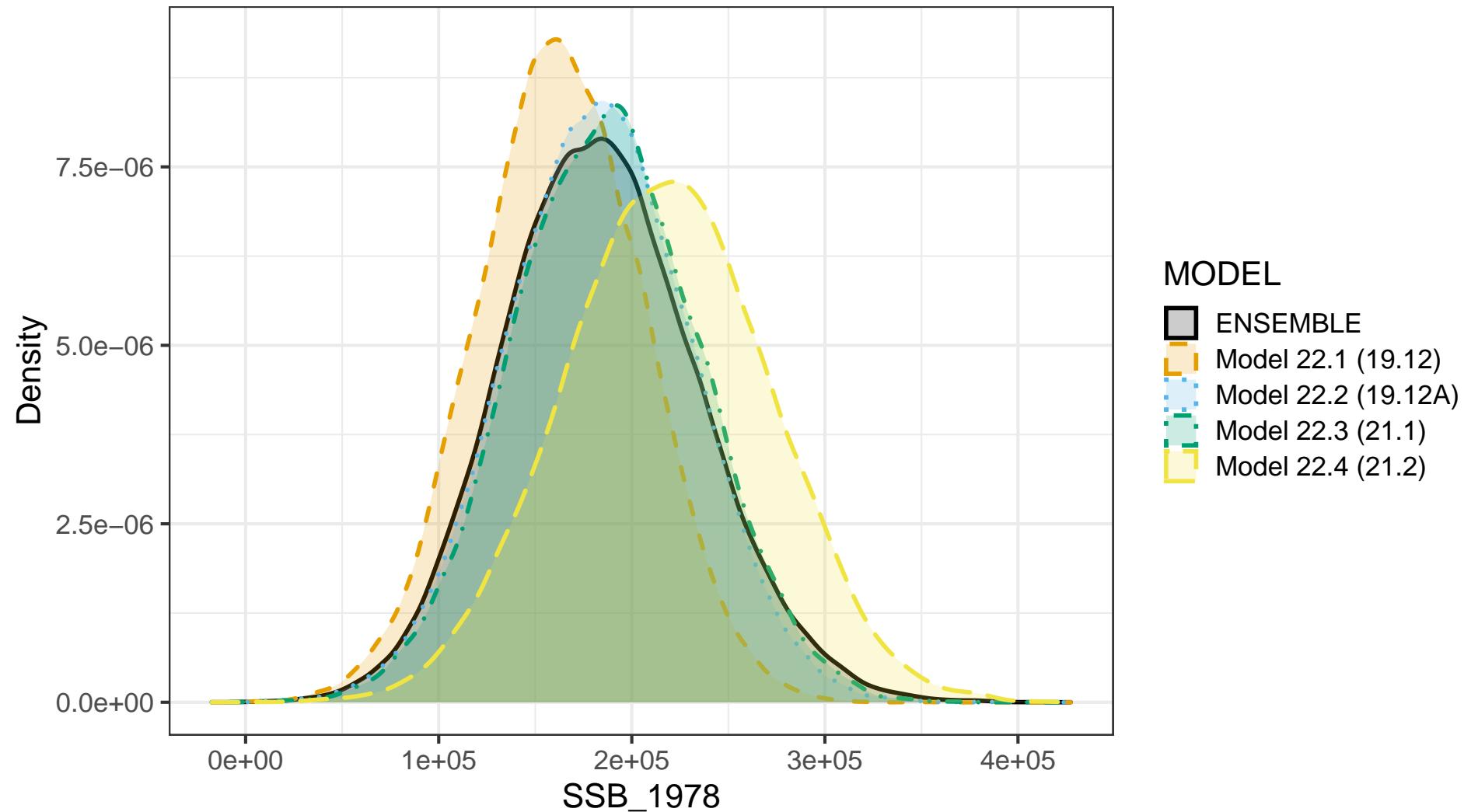
SSB_Initial



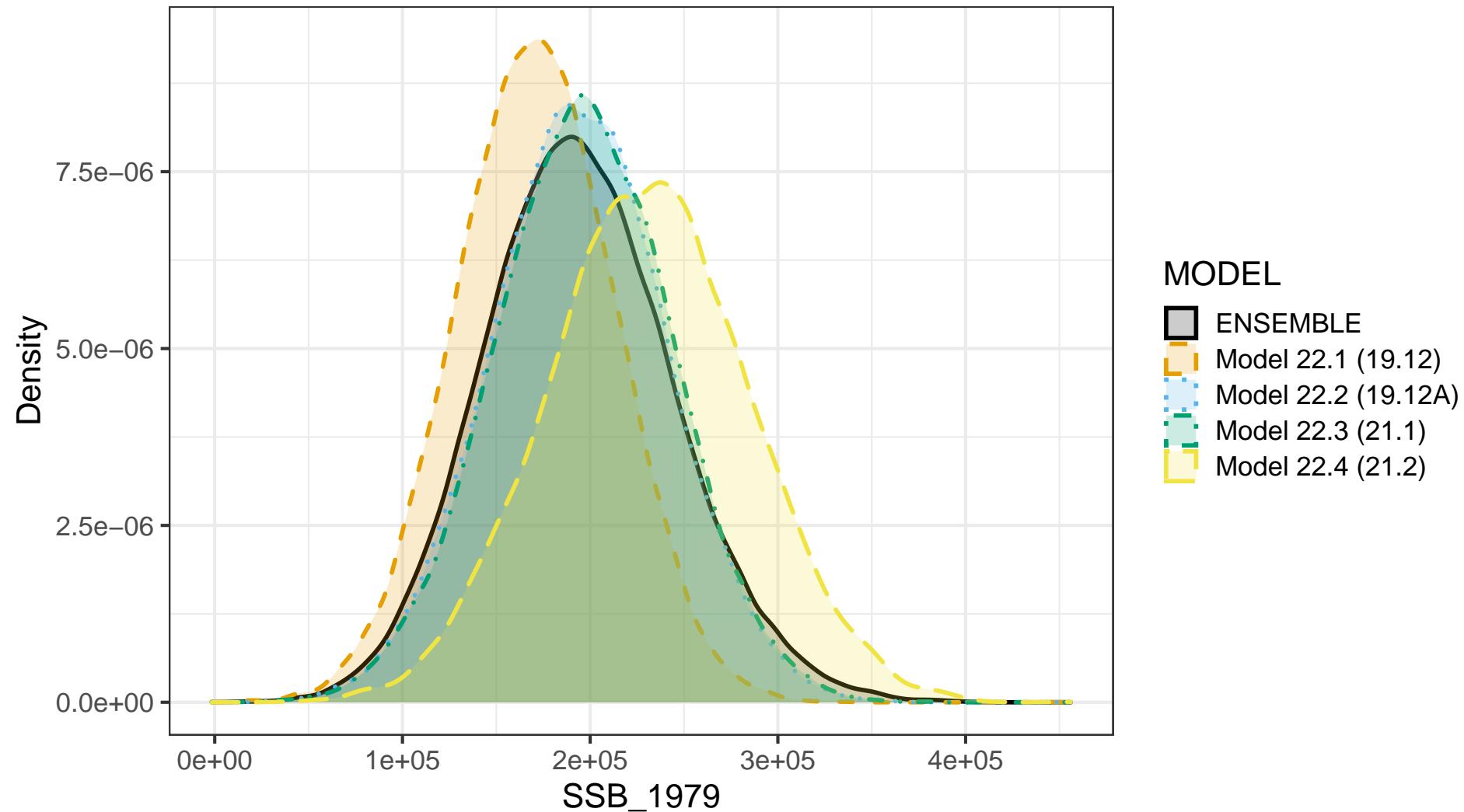
SSB_1977



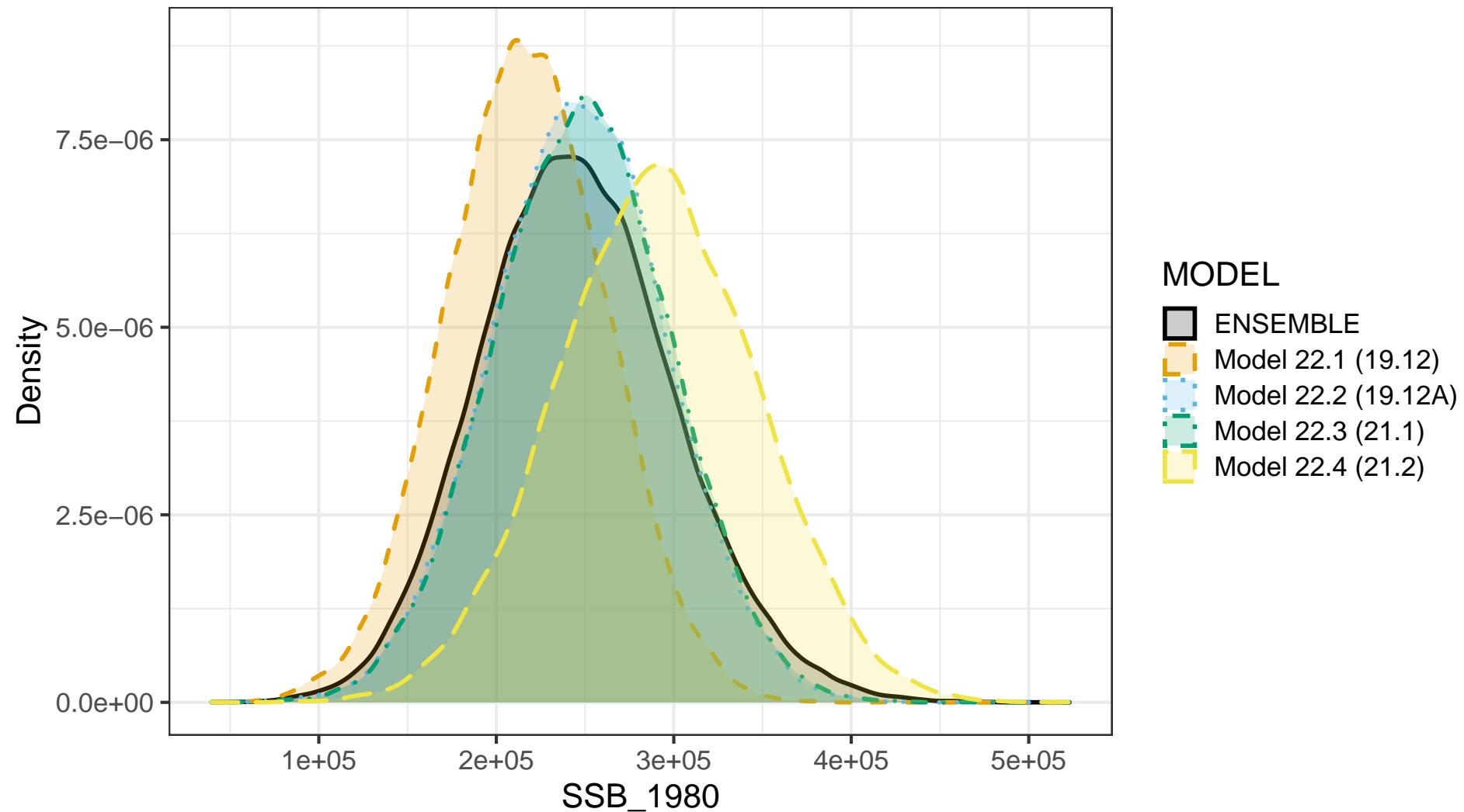
SSB_1978



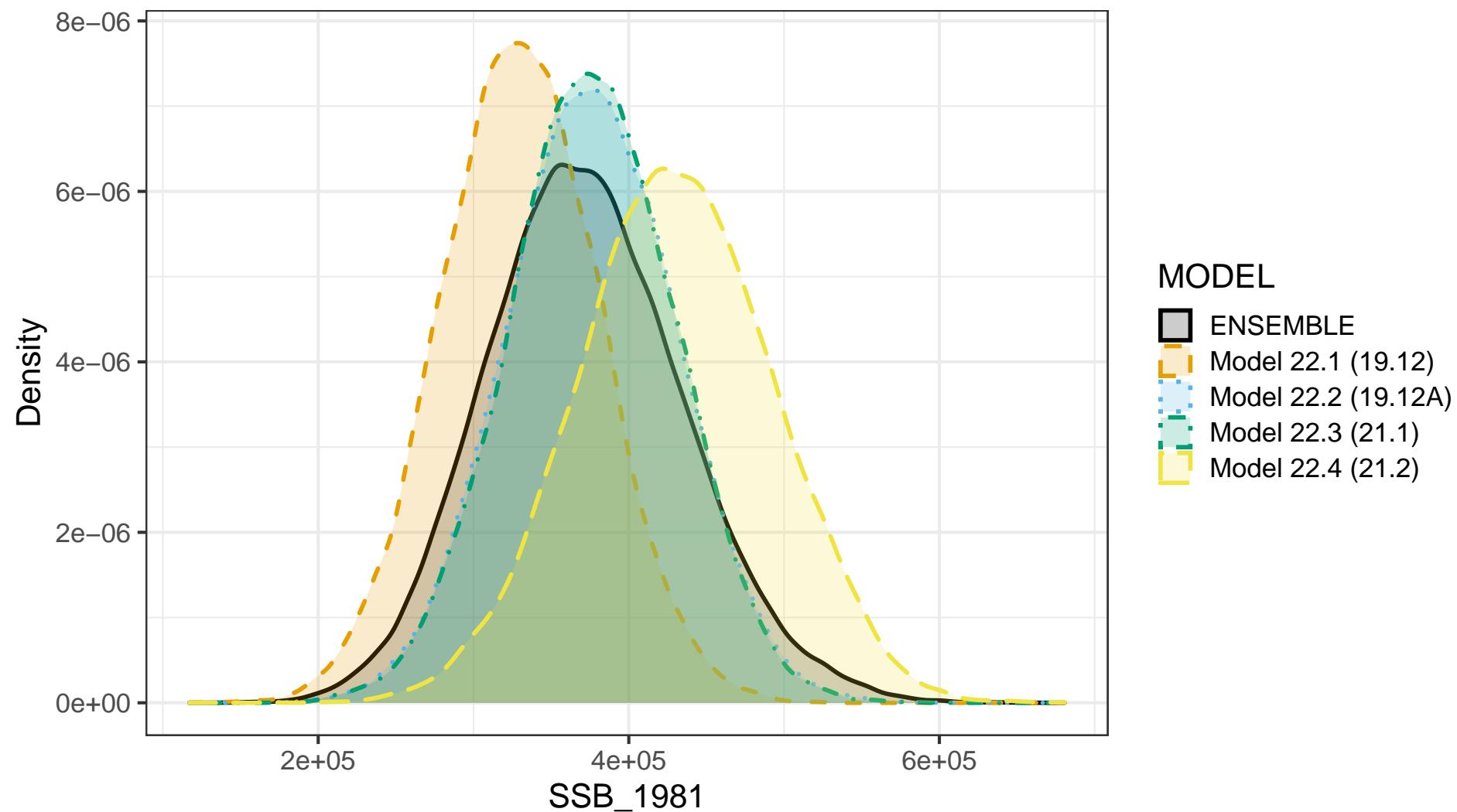
SSB_1979



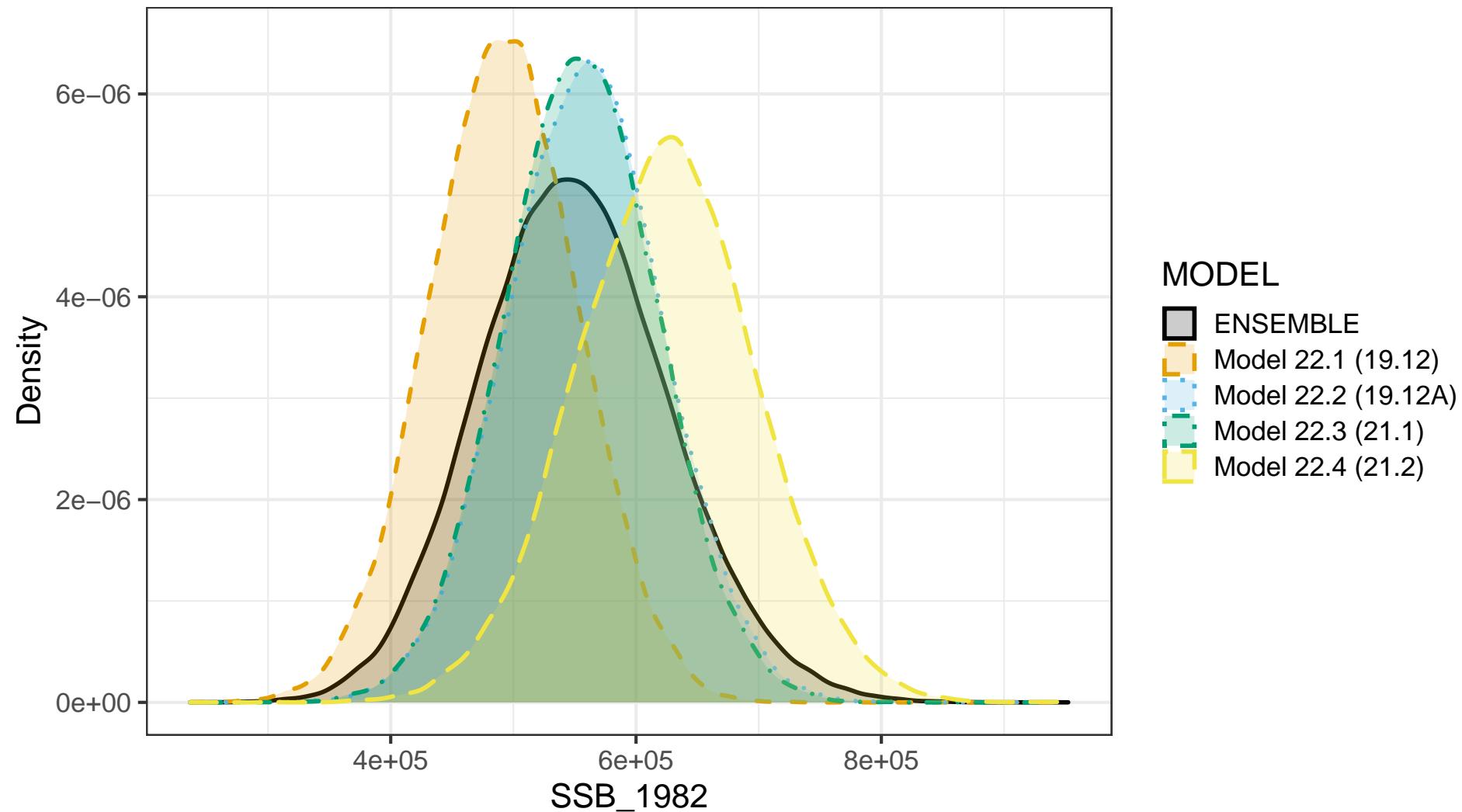
SSB_1980



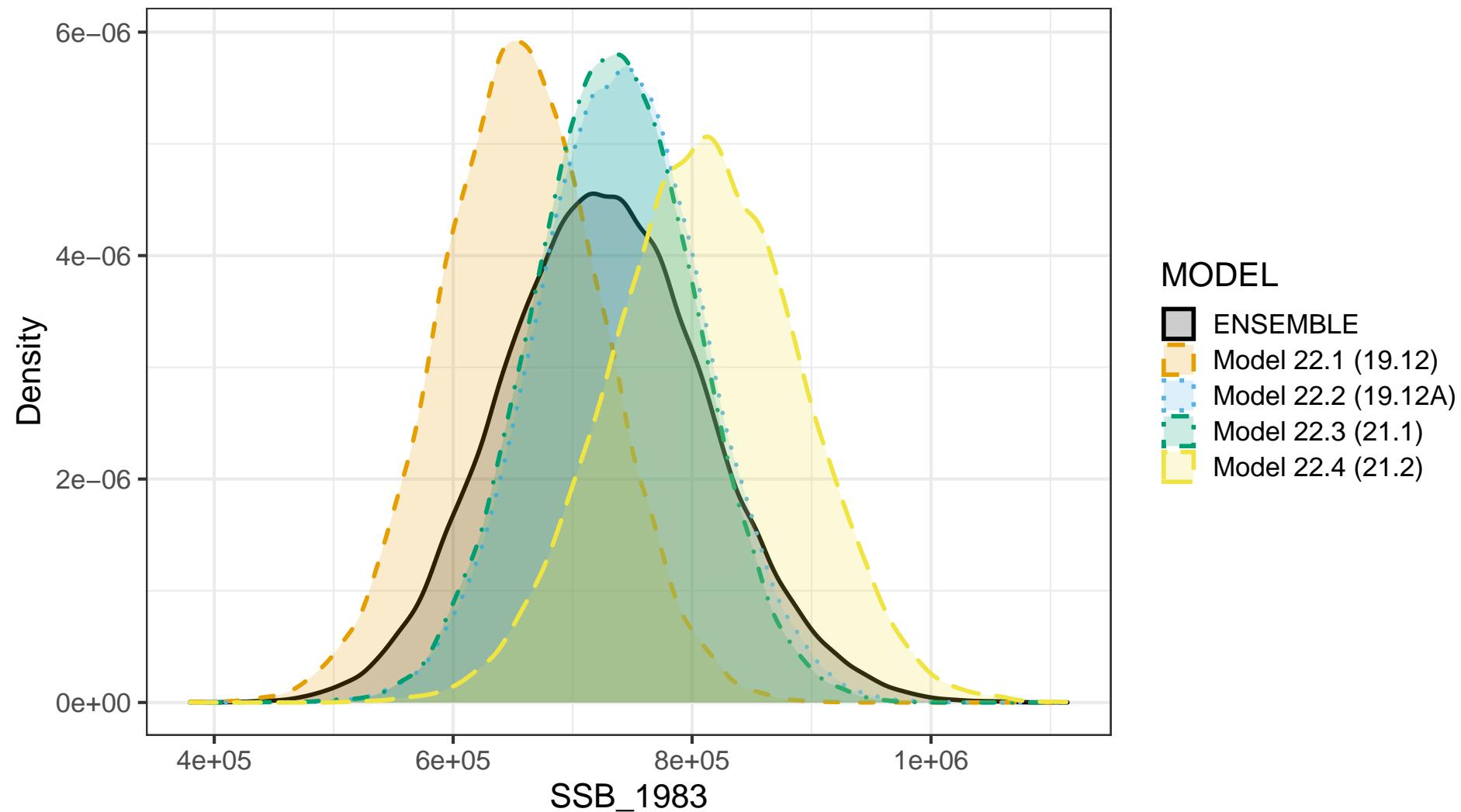
SSB_1981



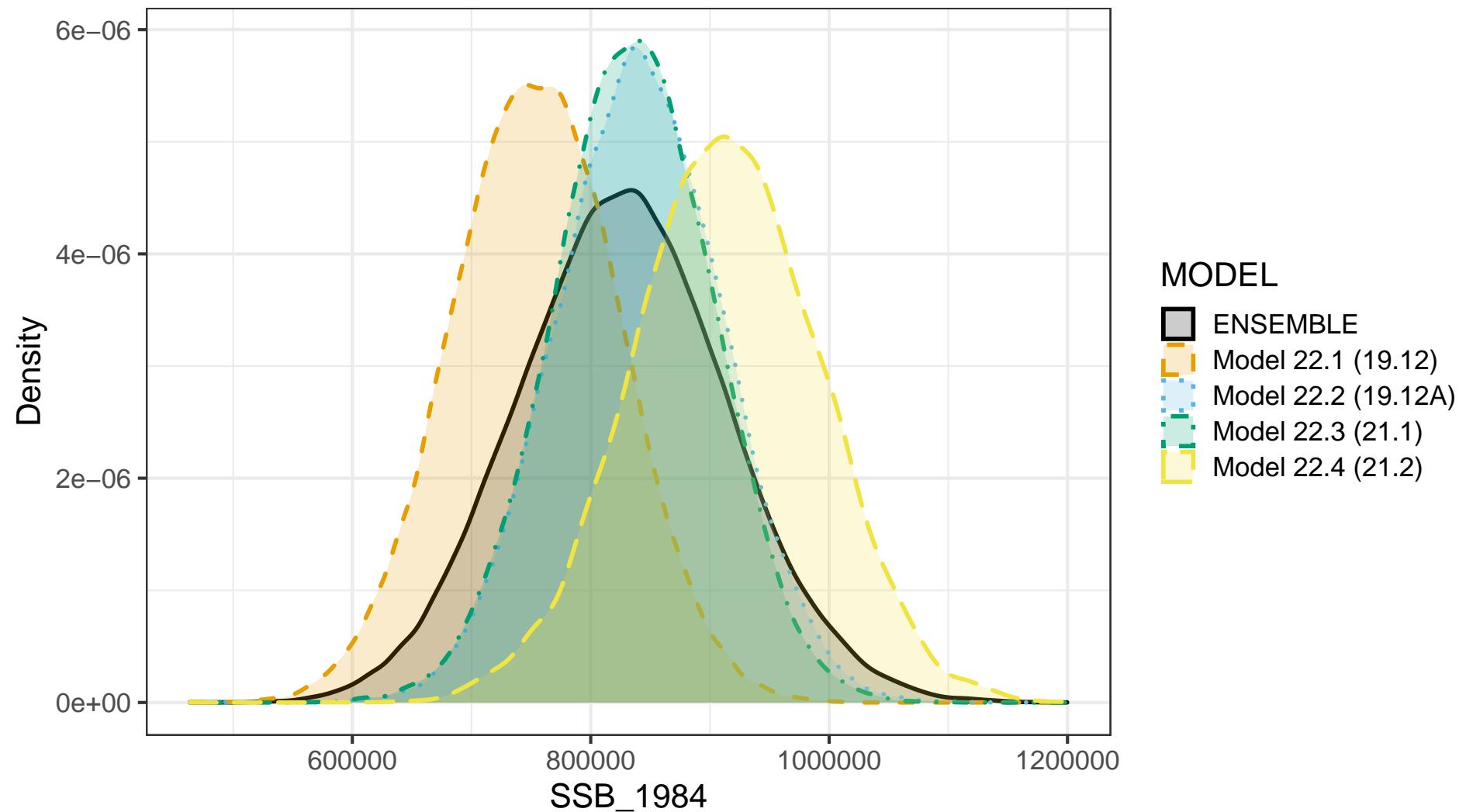
SSB_1982



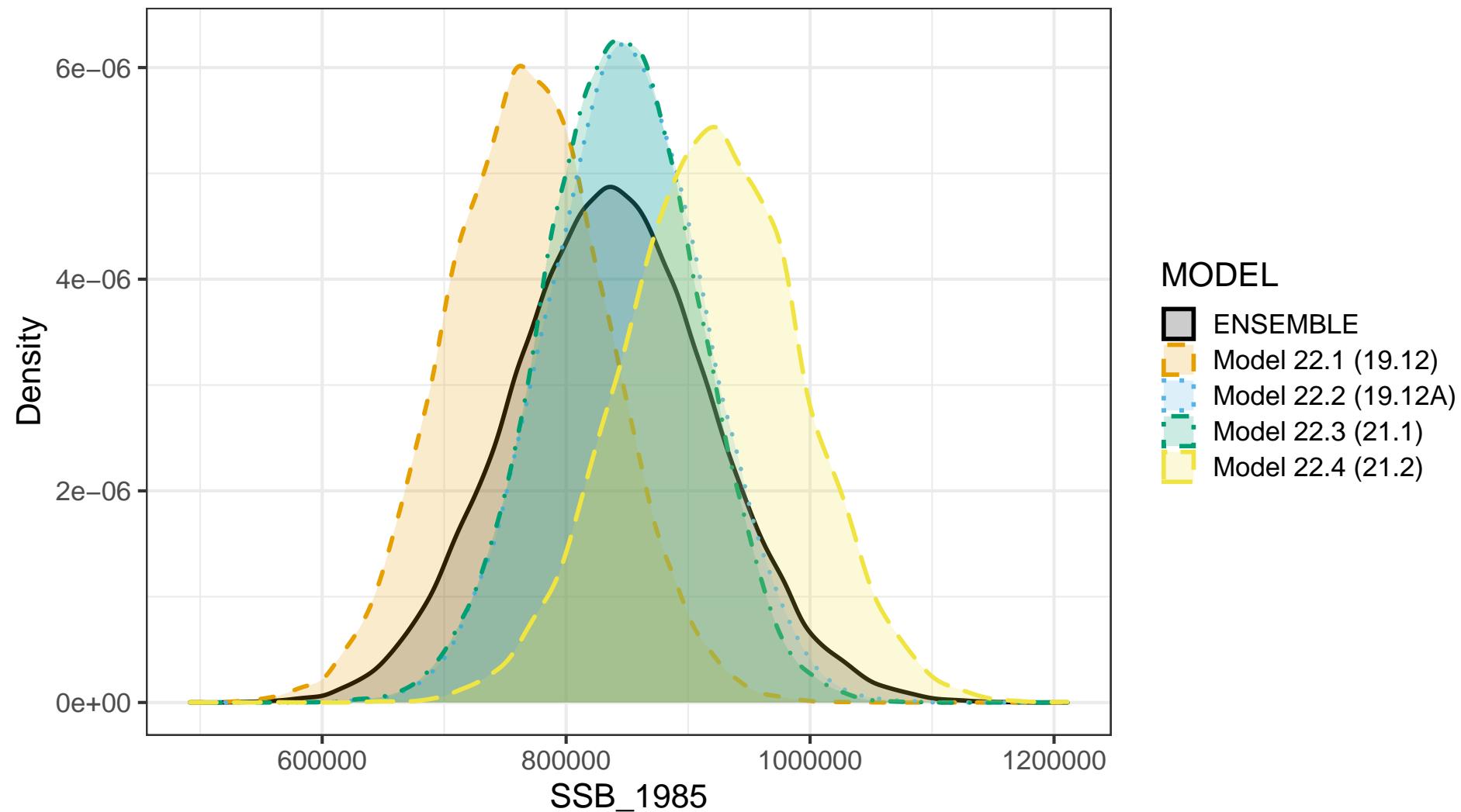
SSB_1983



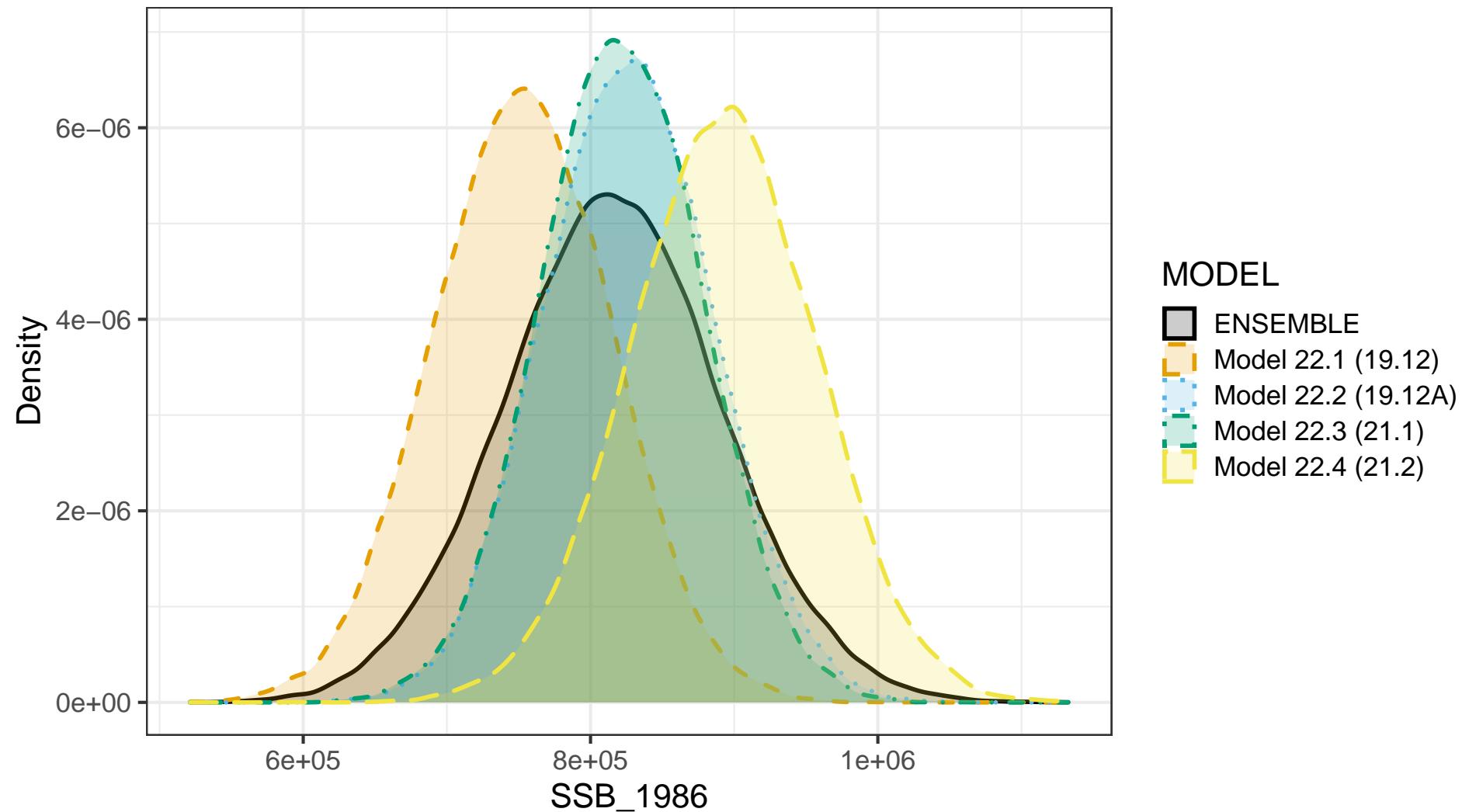
SSB_1984



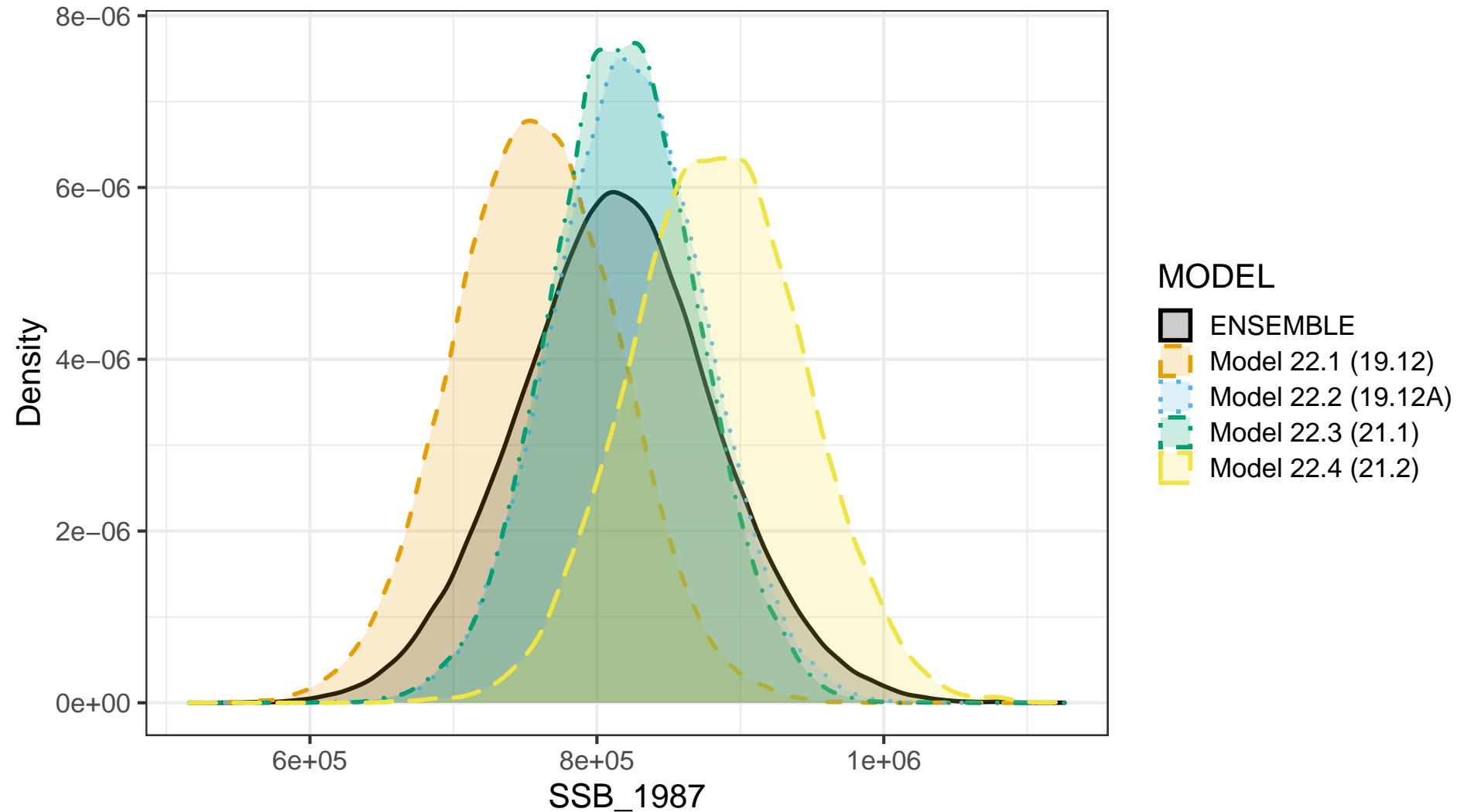
SSB_1985



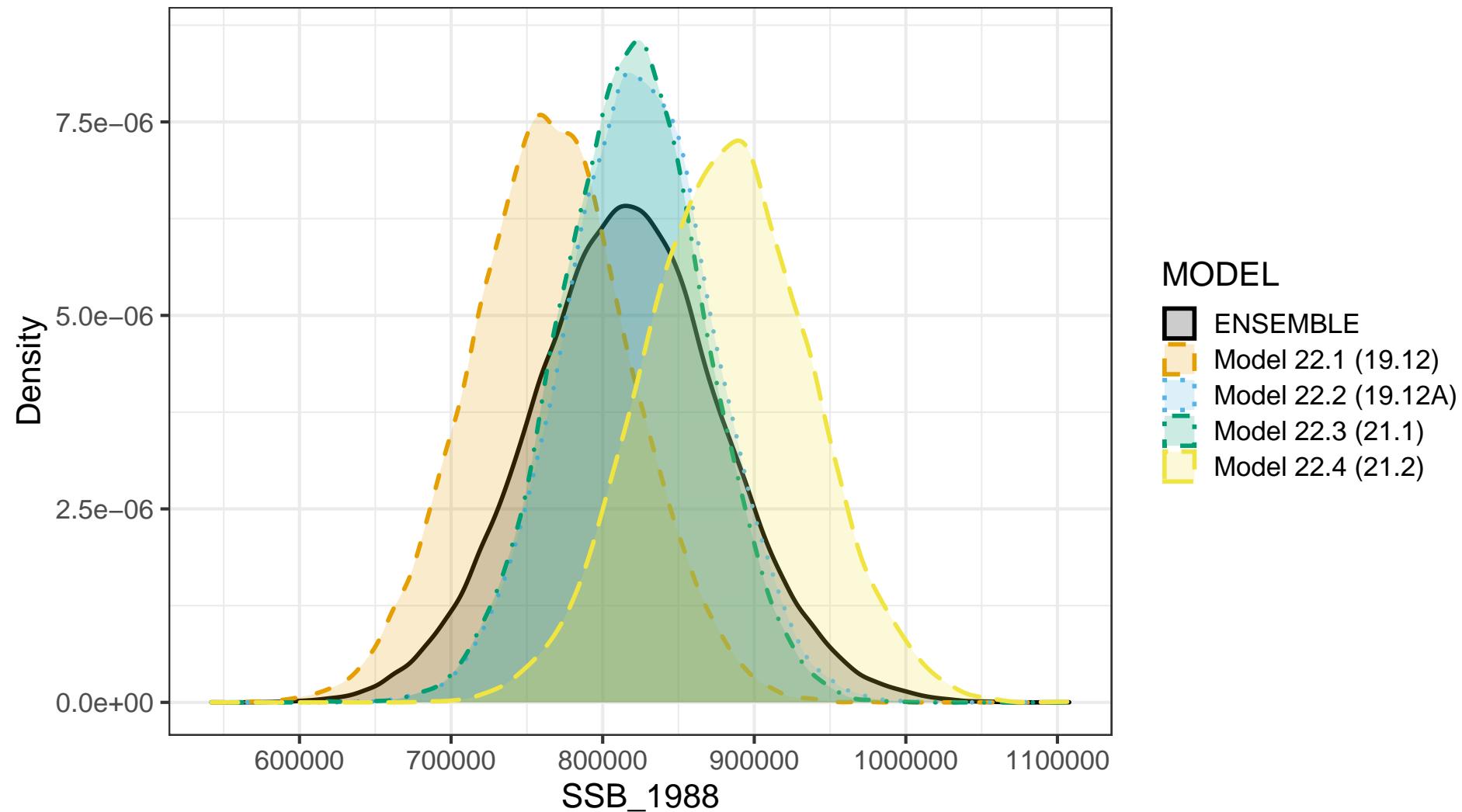
SSB_1986



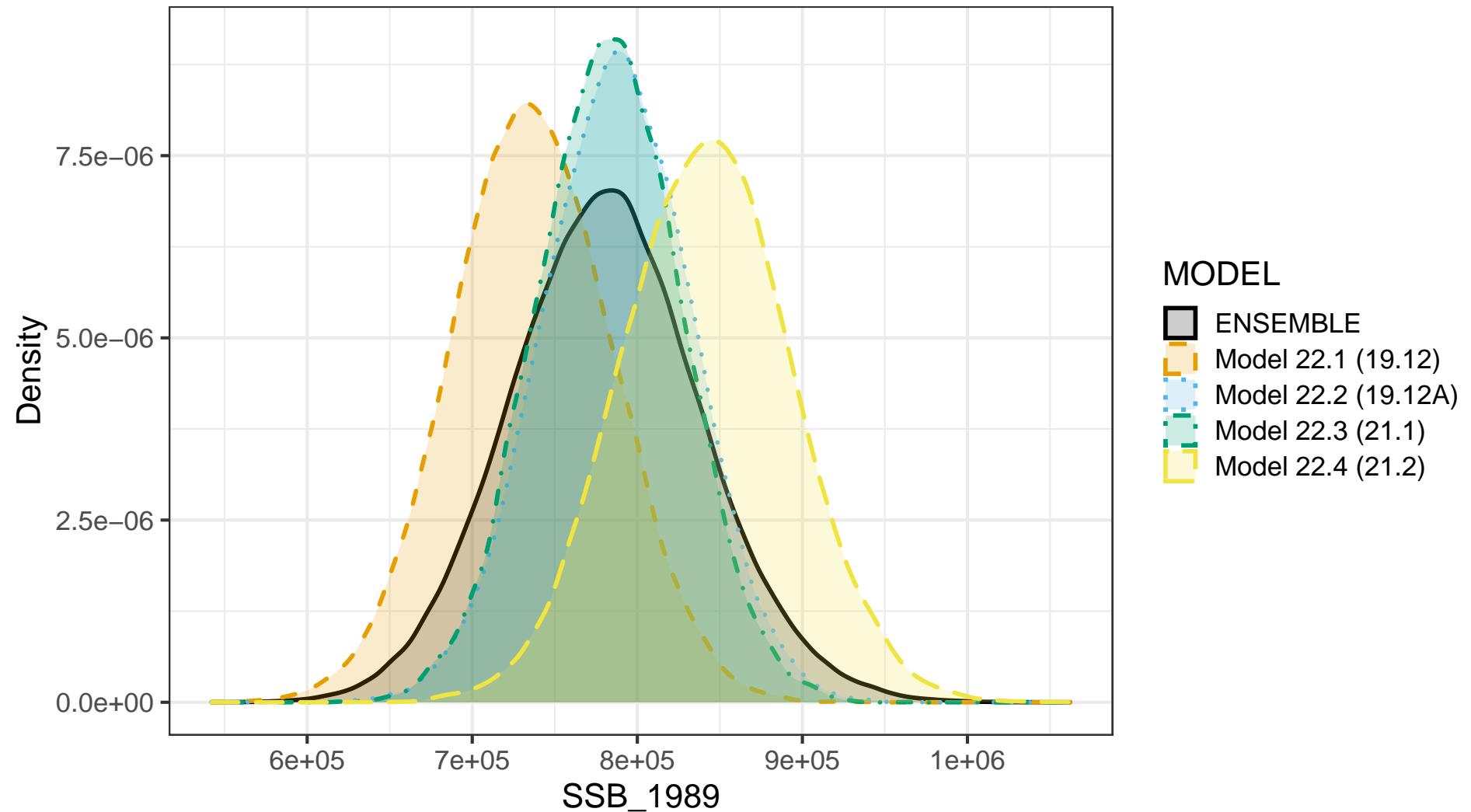
SSB_1987



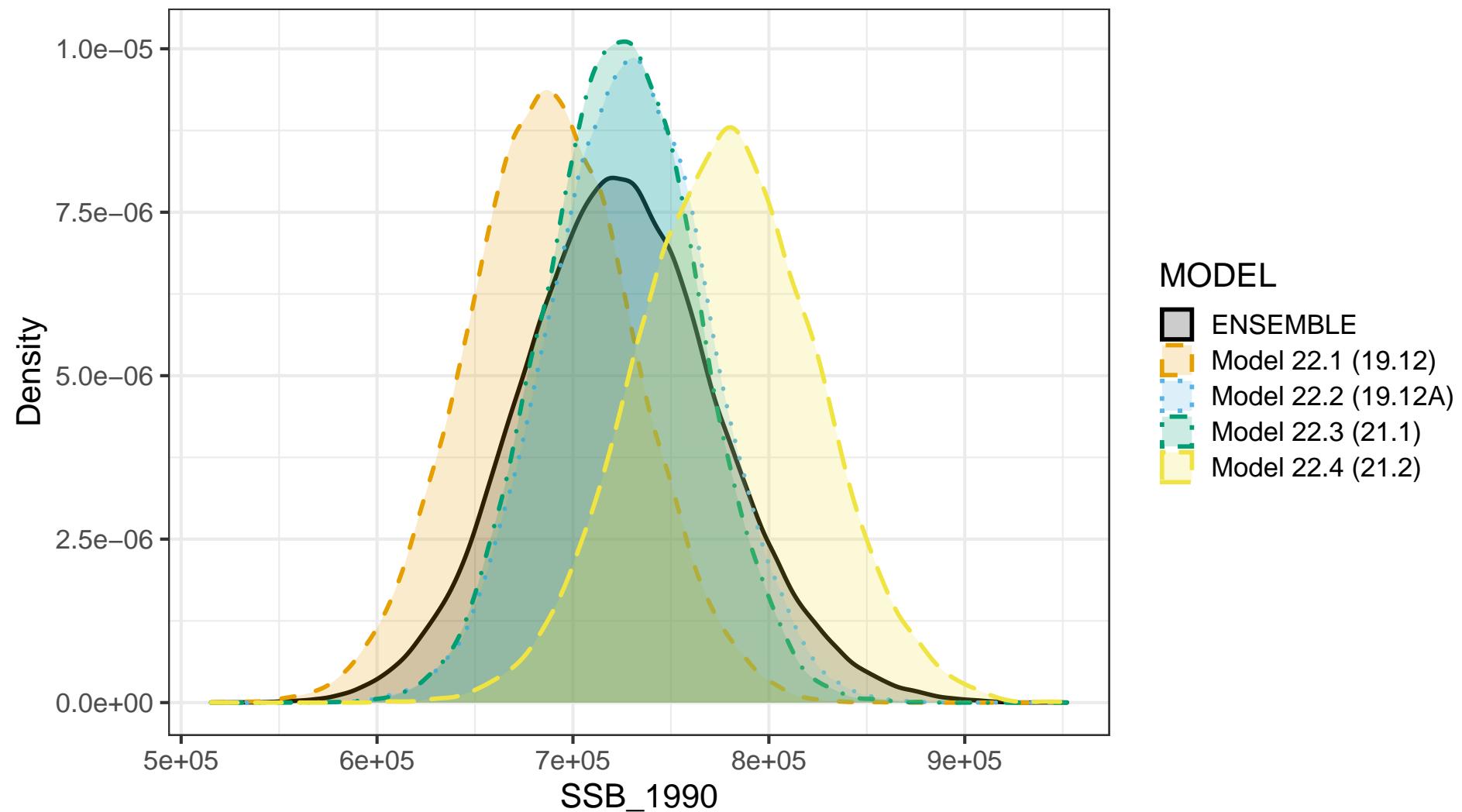
SSB_1988



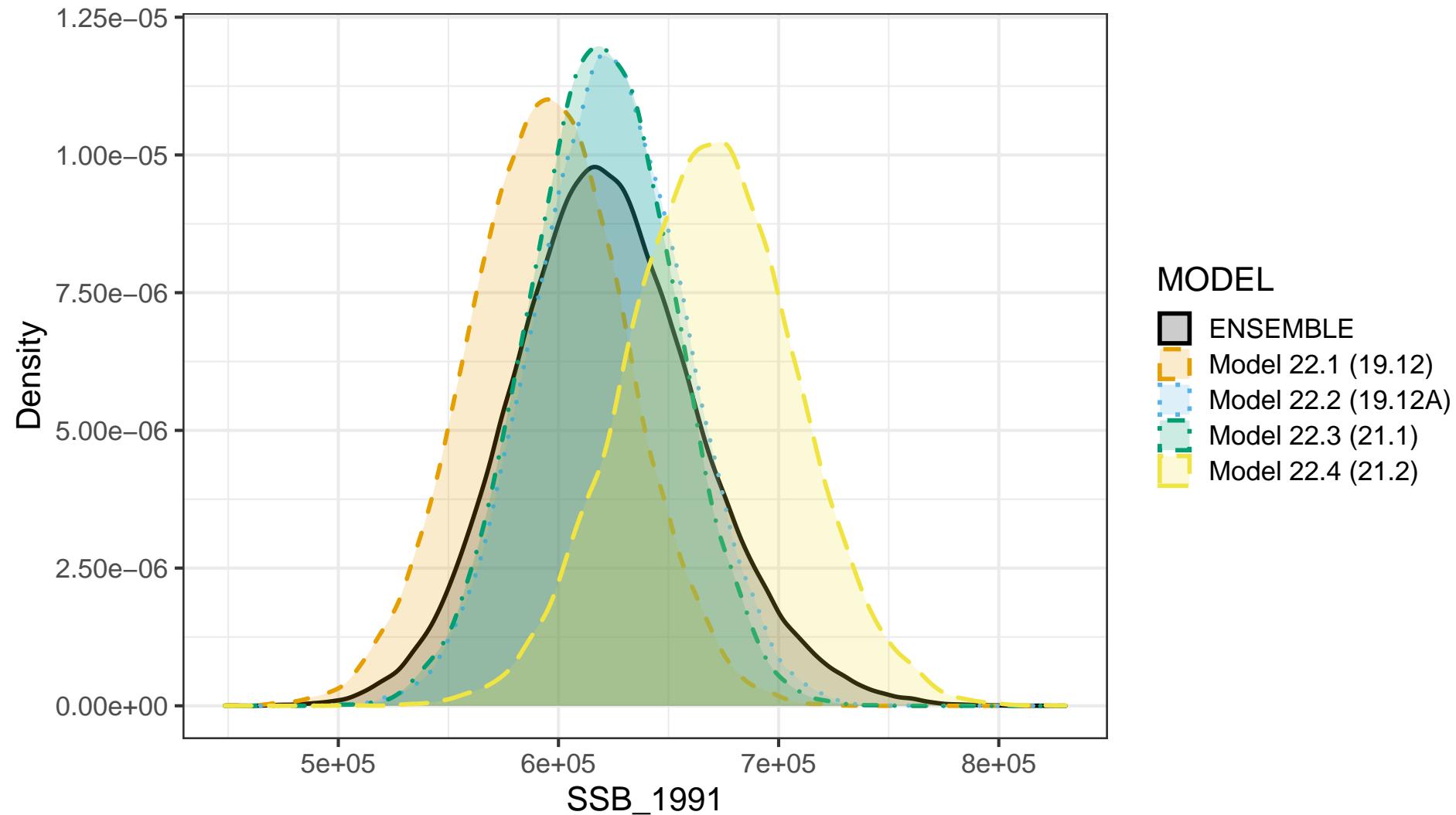
SSB_1989



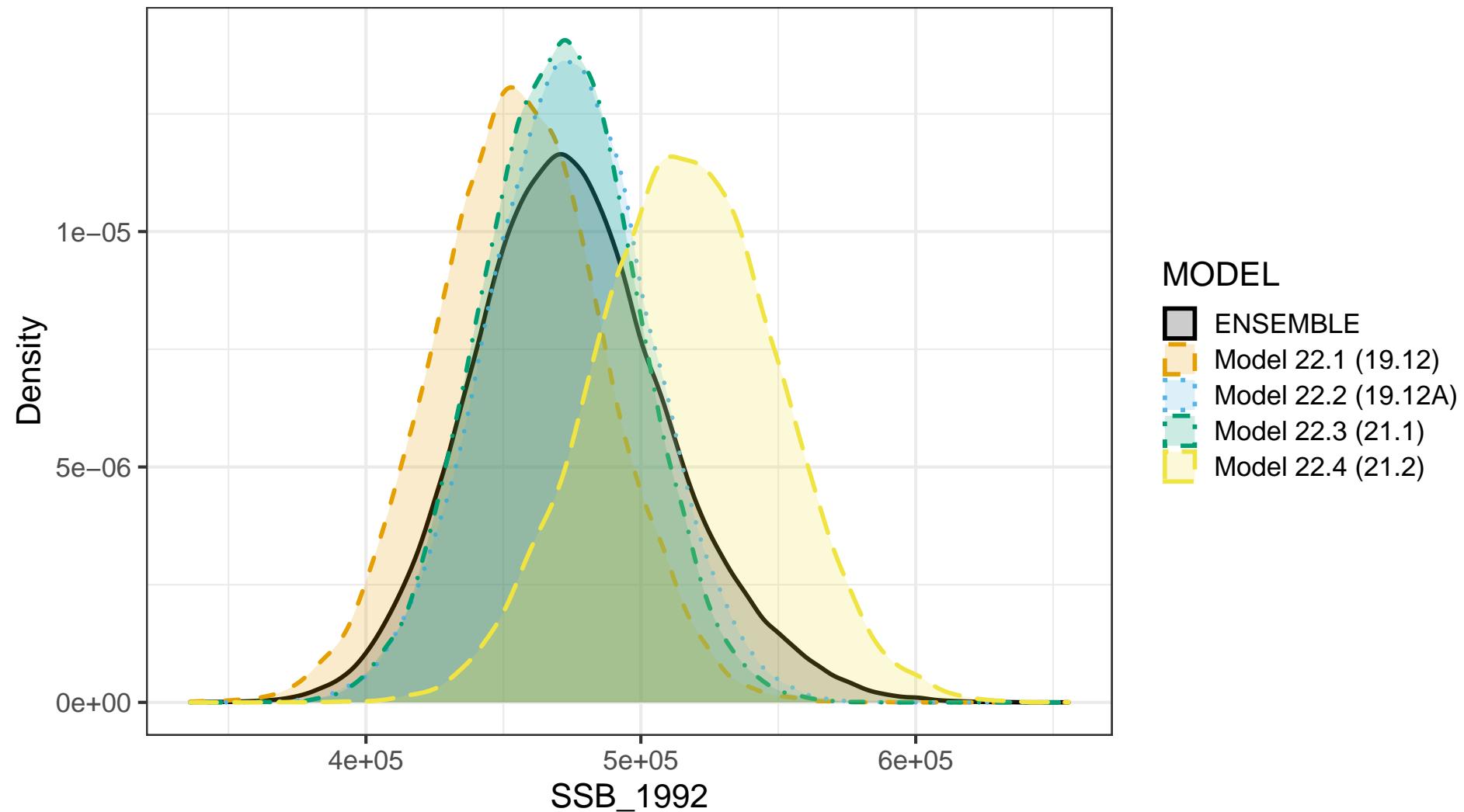
SSB_1990



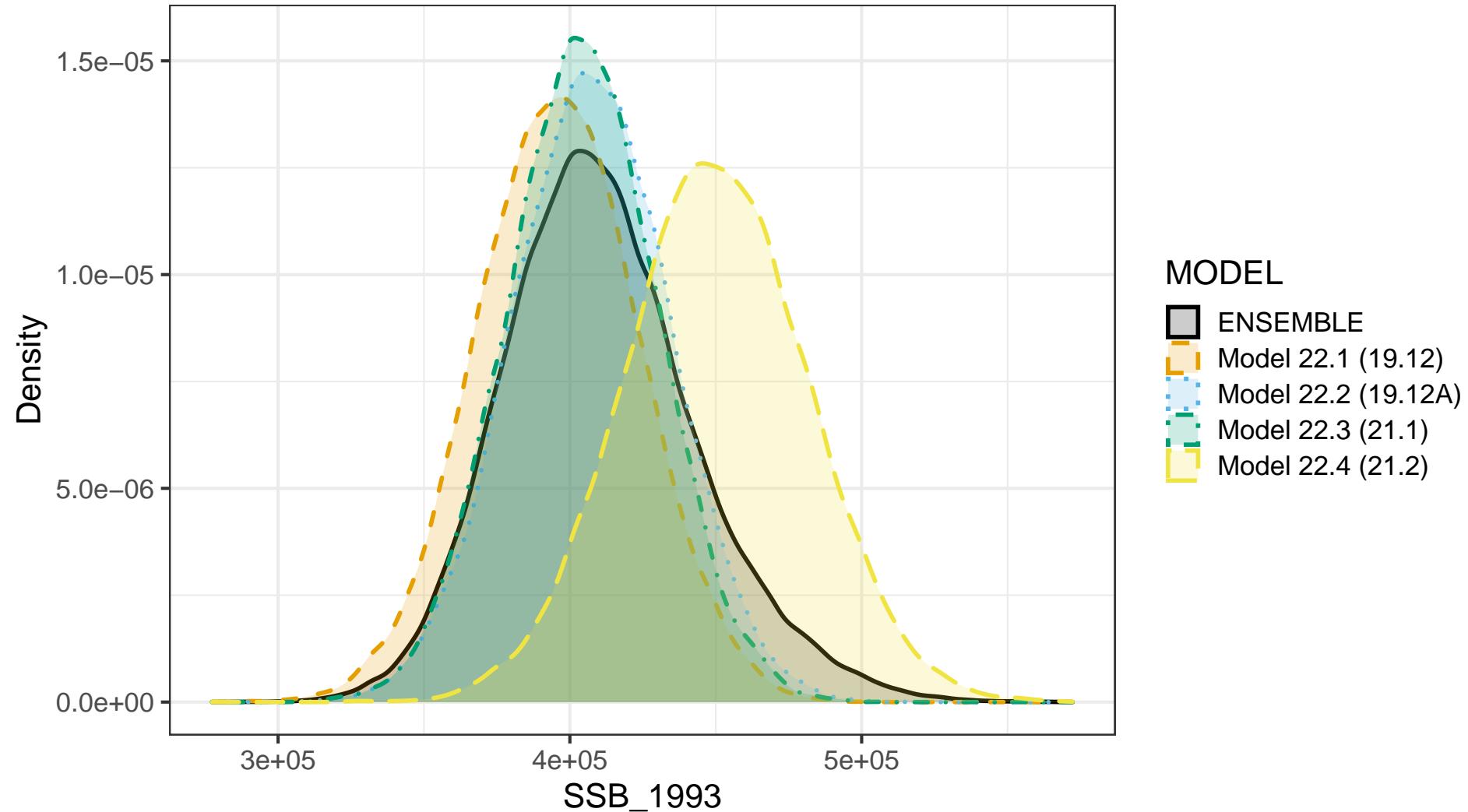
SSB_1991



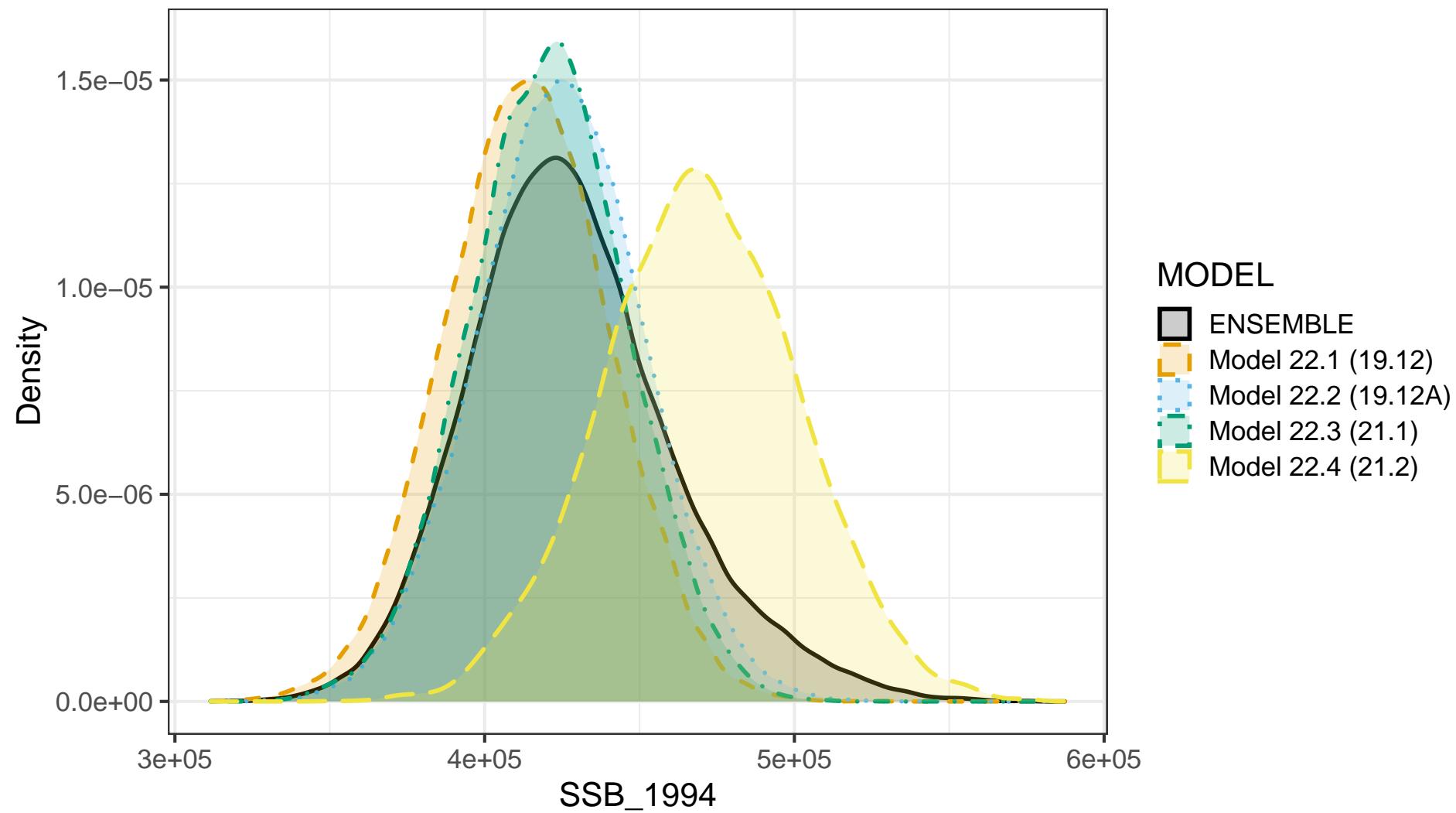
SSB_1992



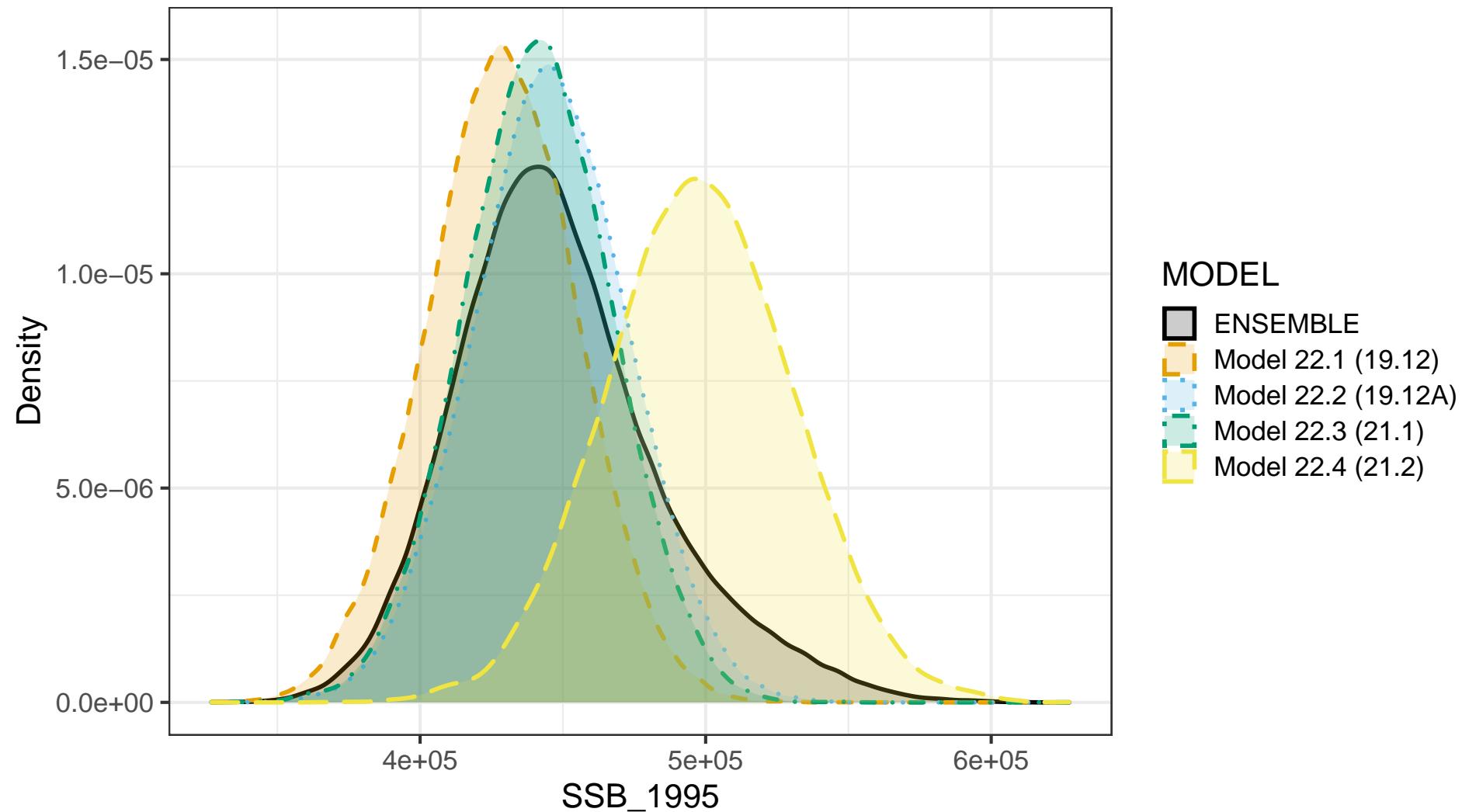
SSB_1993



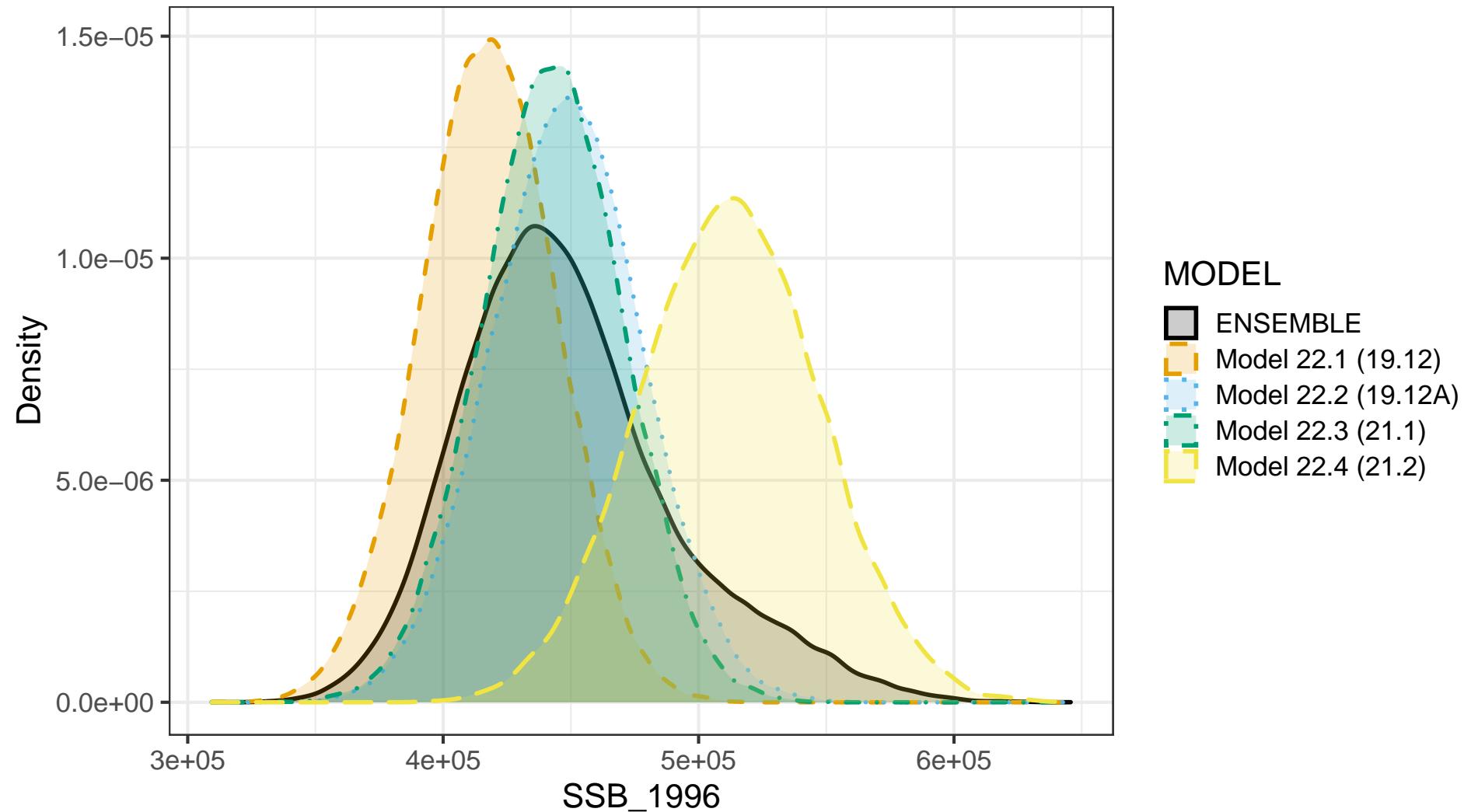
SSB_1994



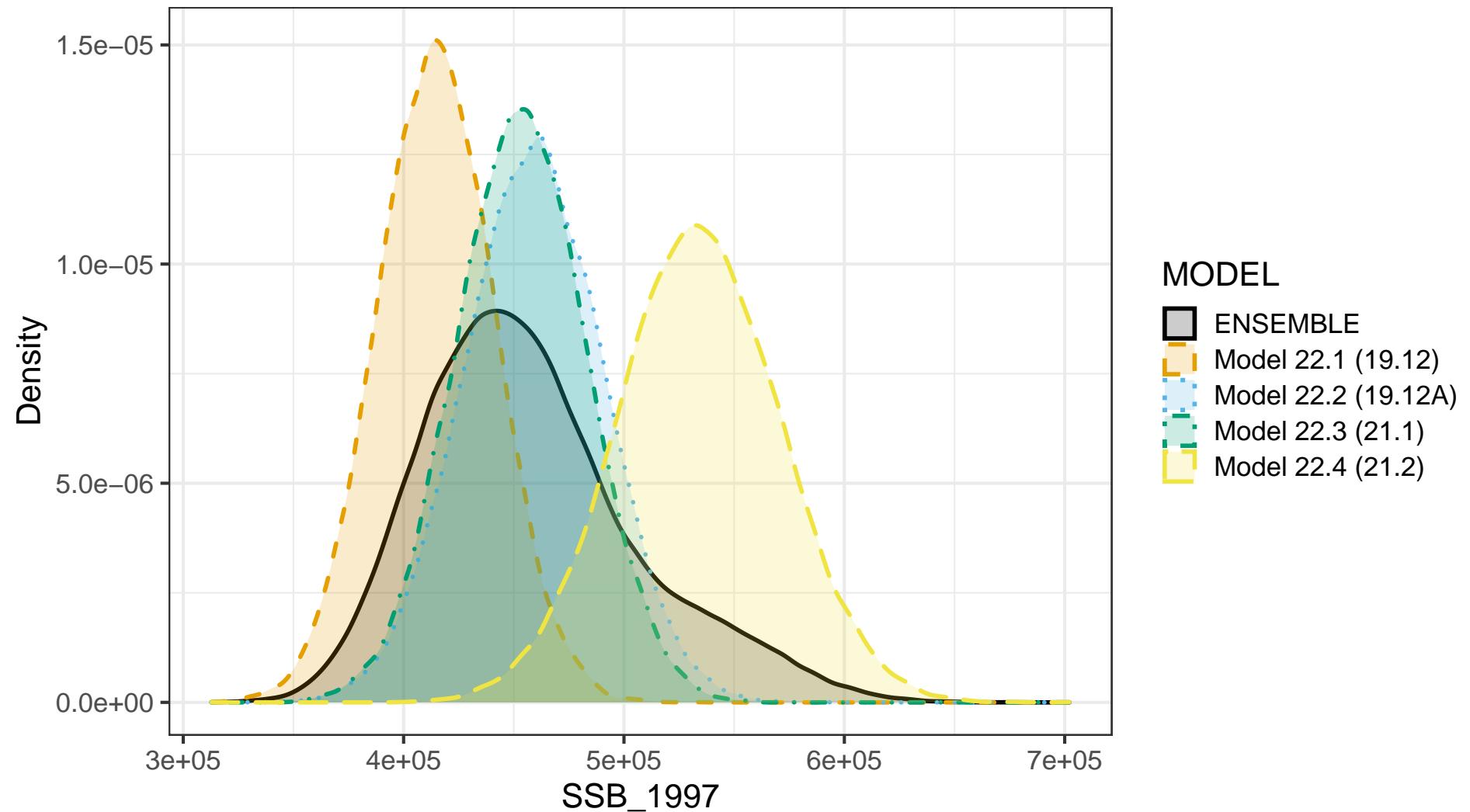
SSB_1995



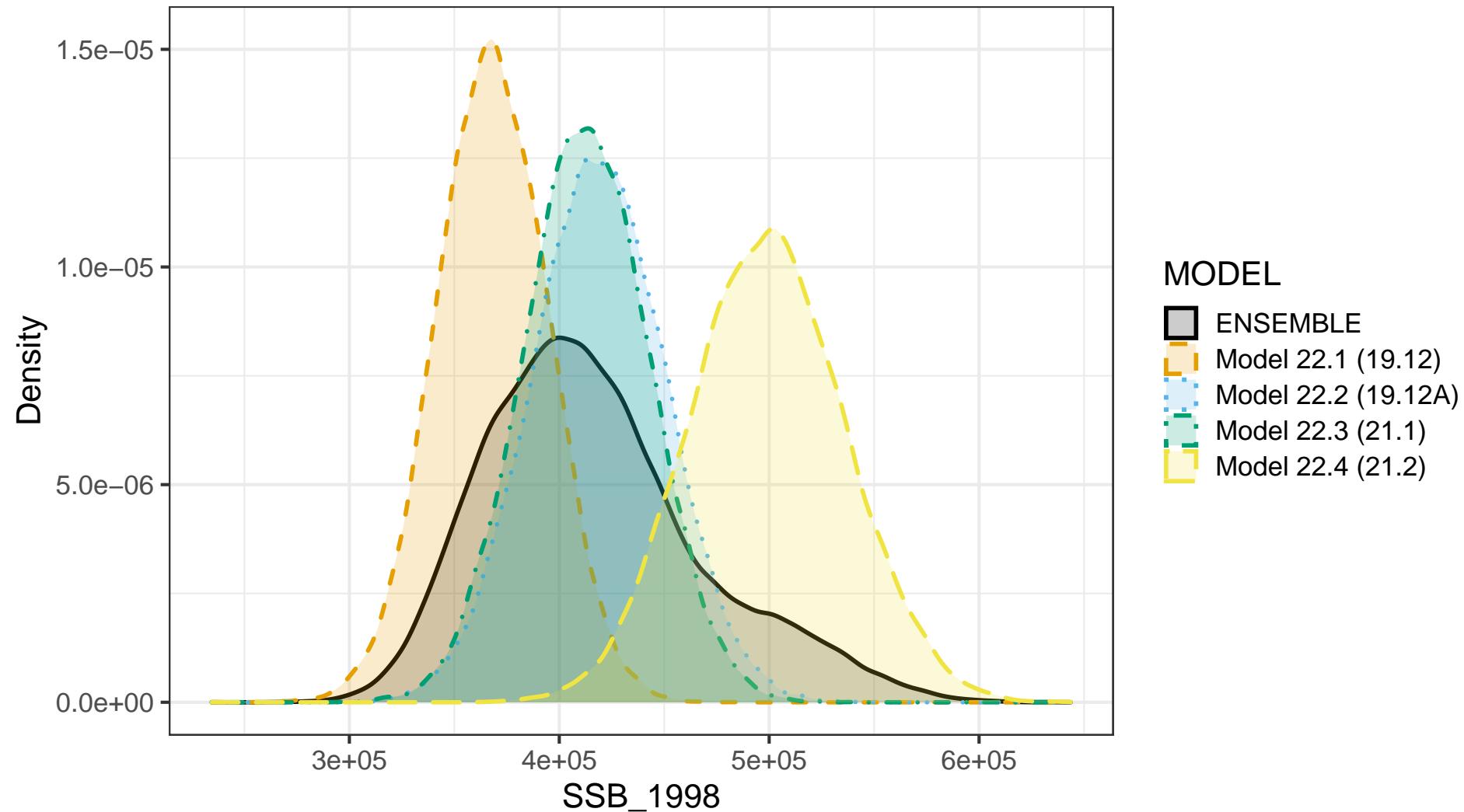
SSB_1996



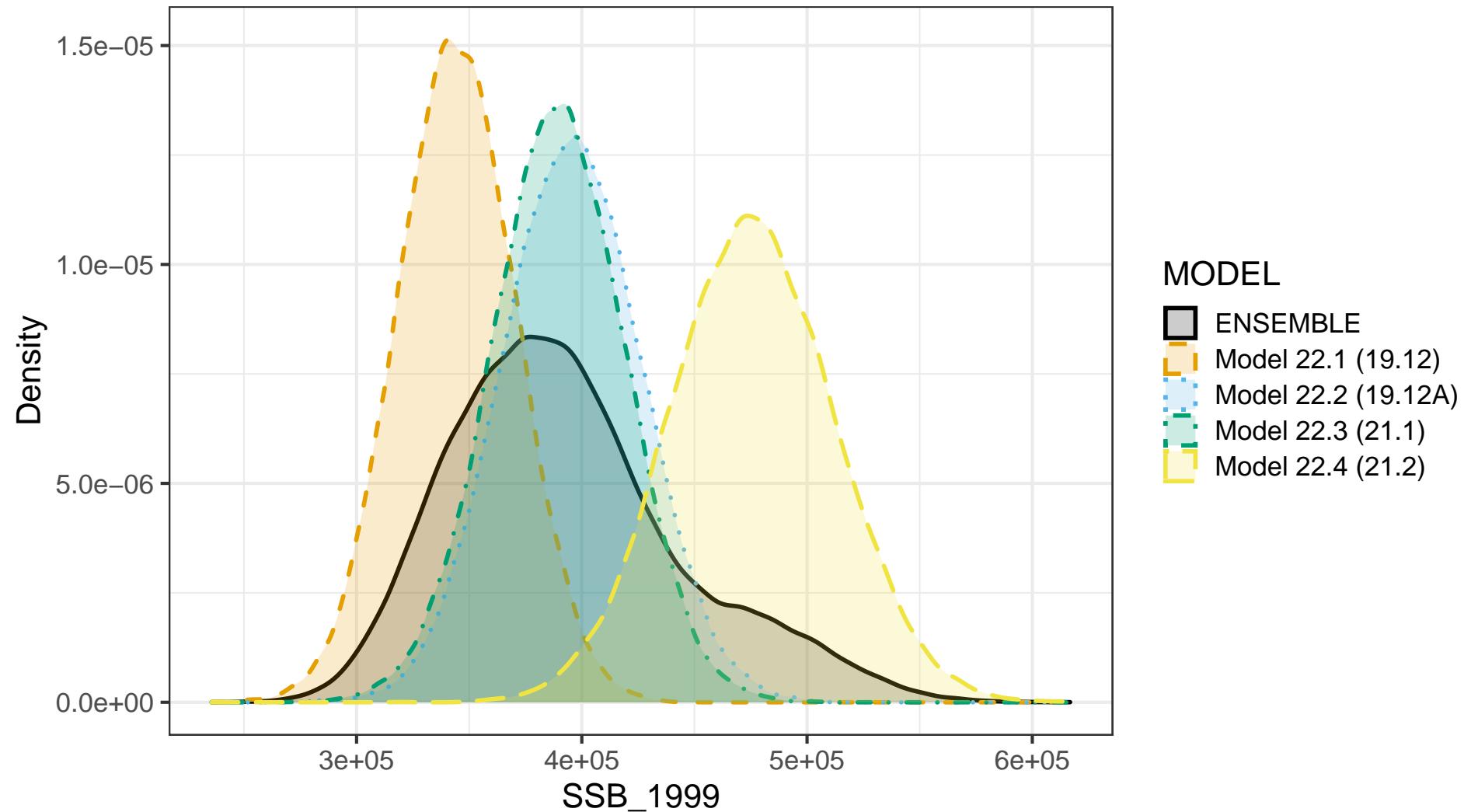
SSB_1997



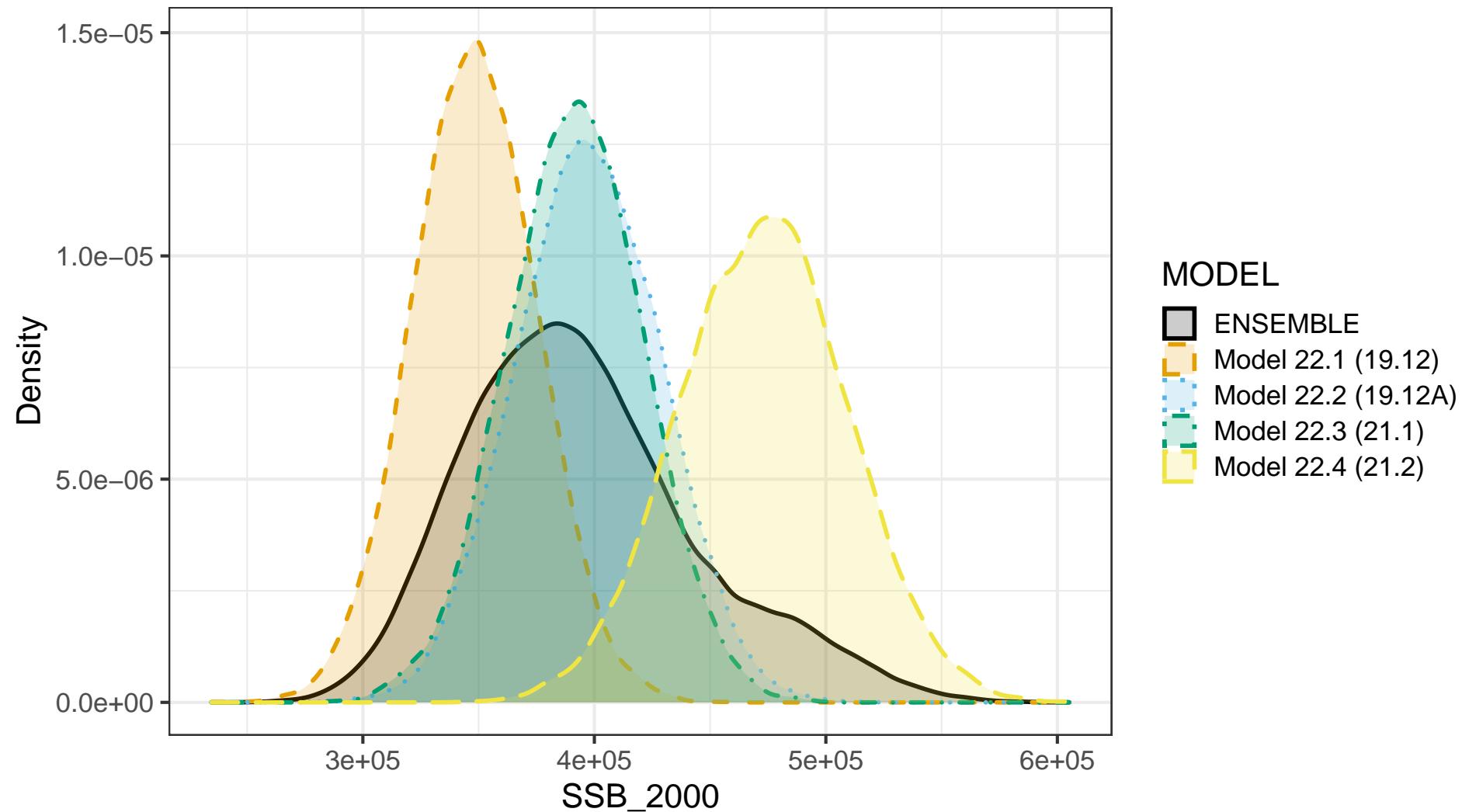
SSB_1998



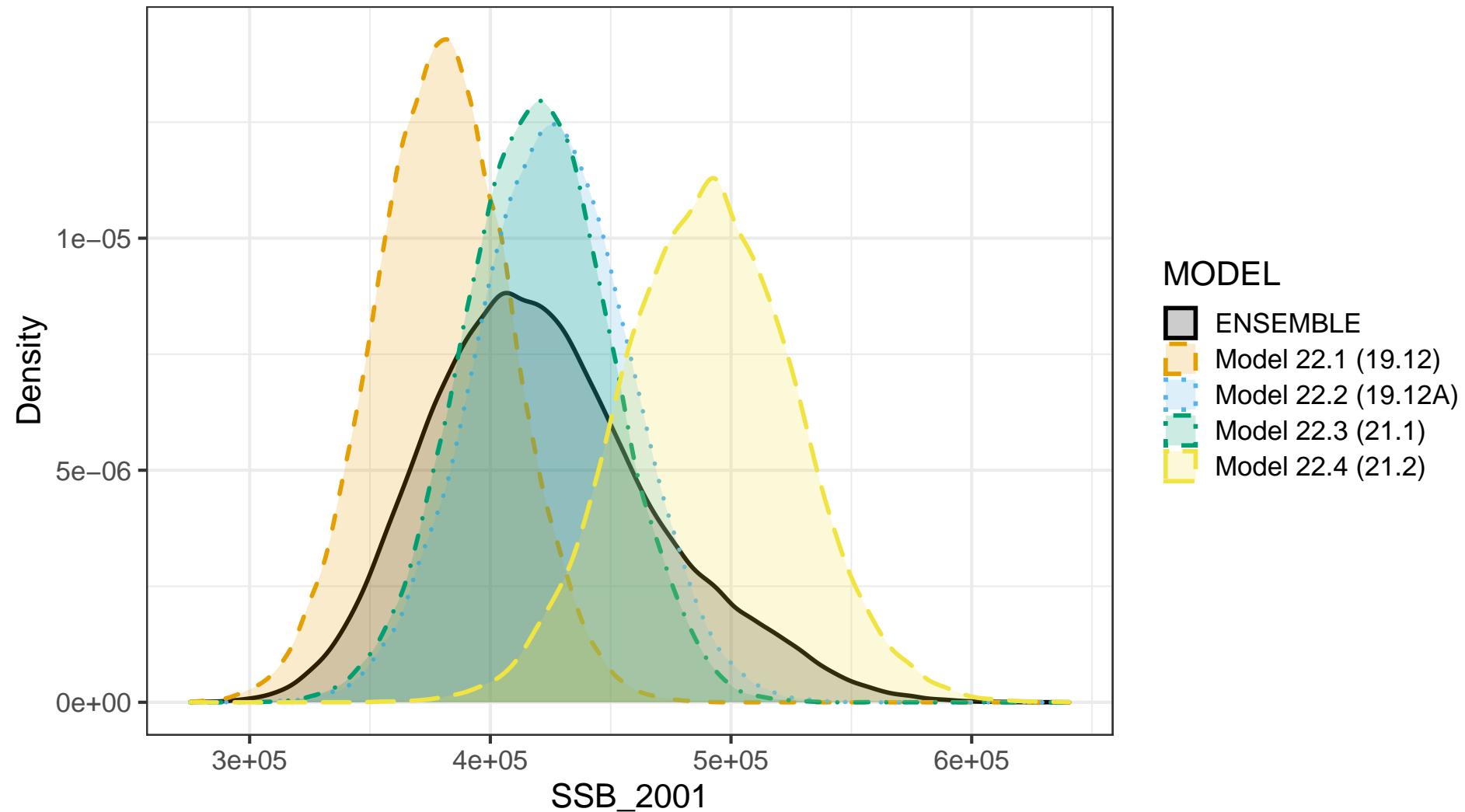
SSB_1999



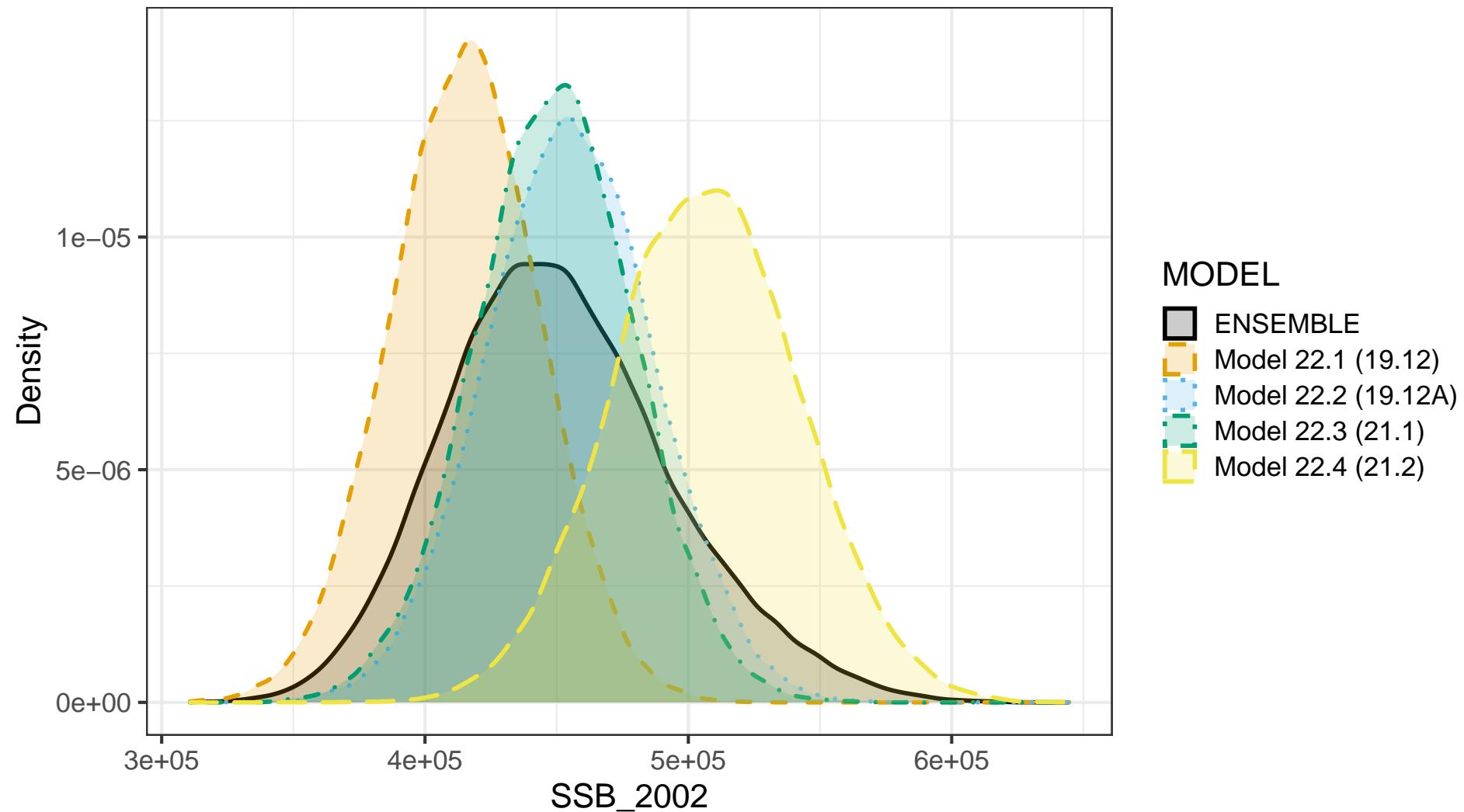
SSB_2000



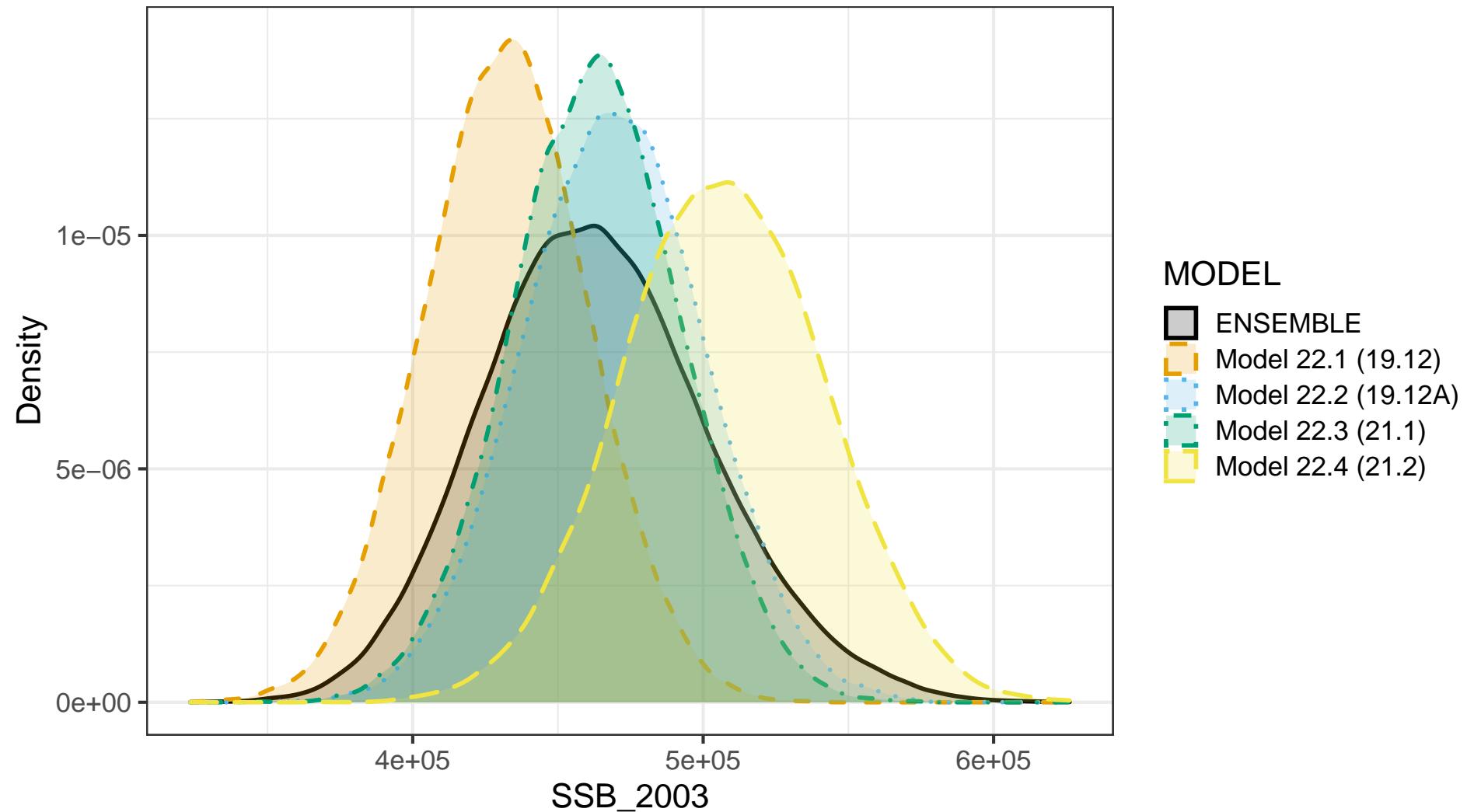
SSB_2001



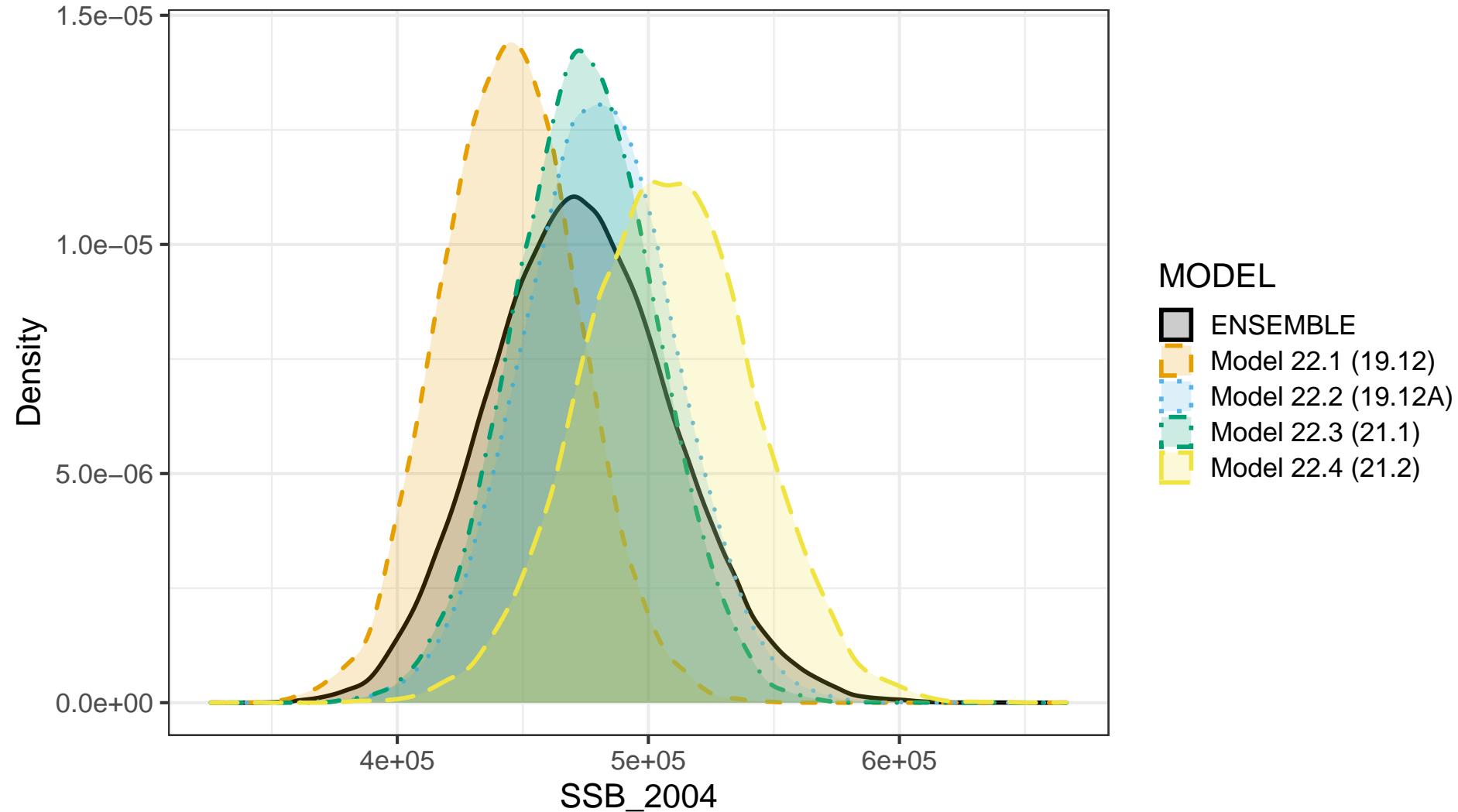
SSB_2002



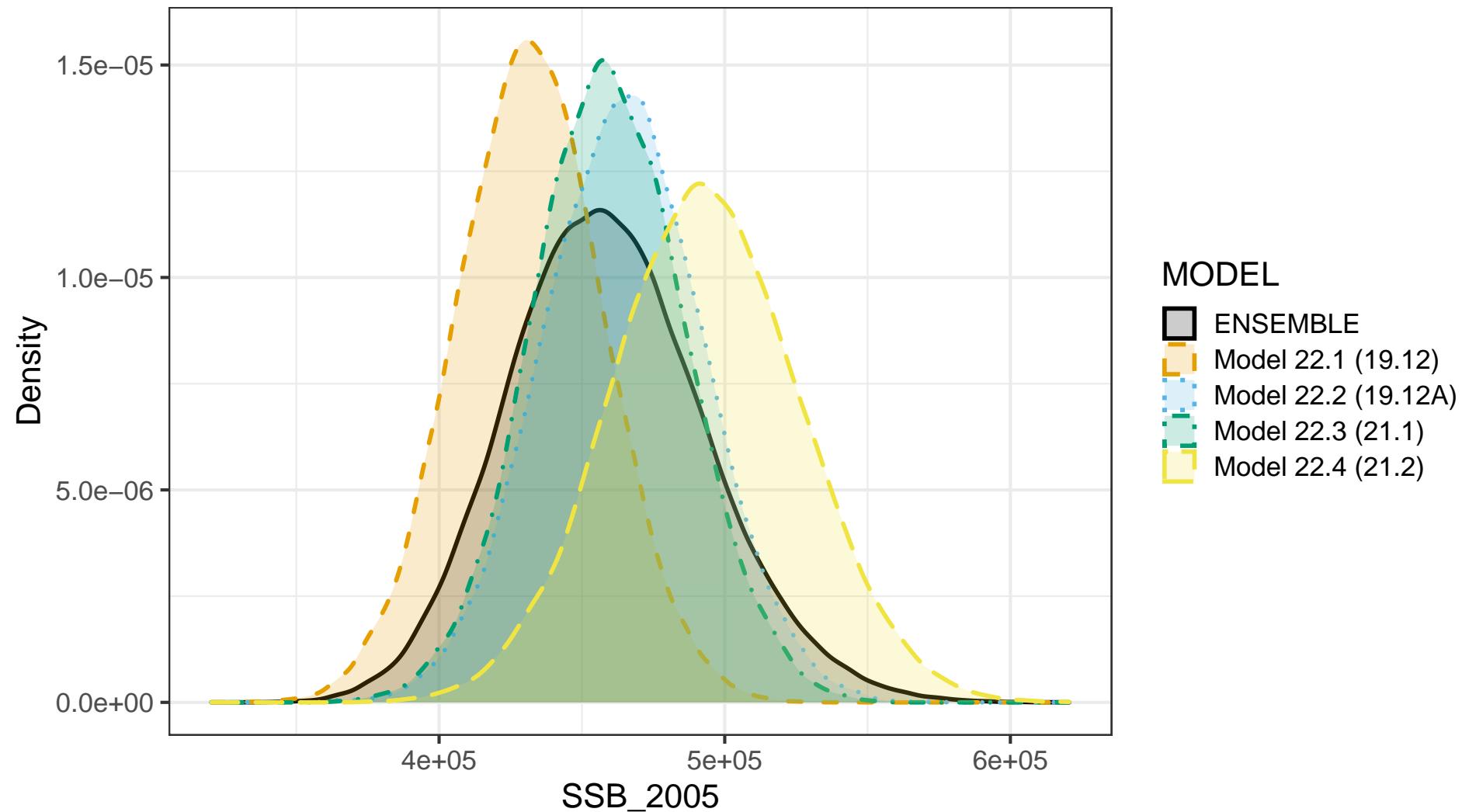
SSB_2003



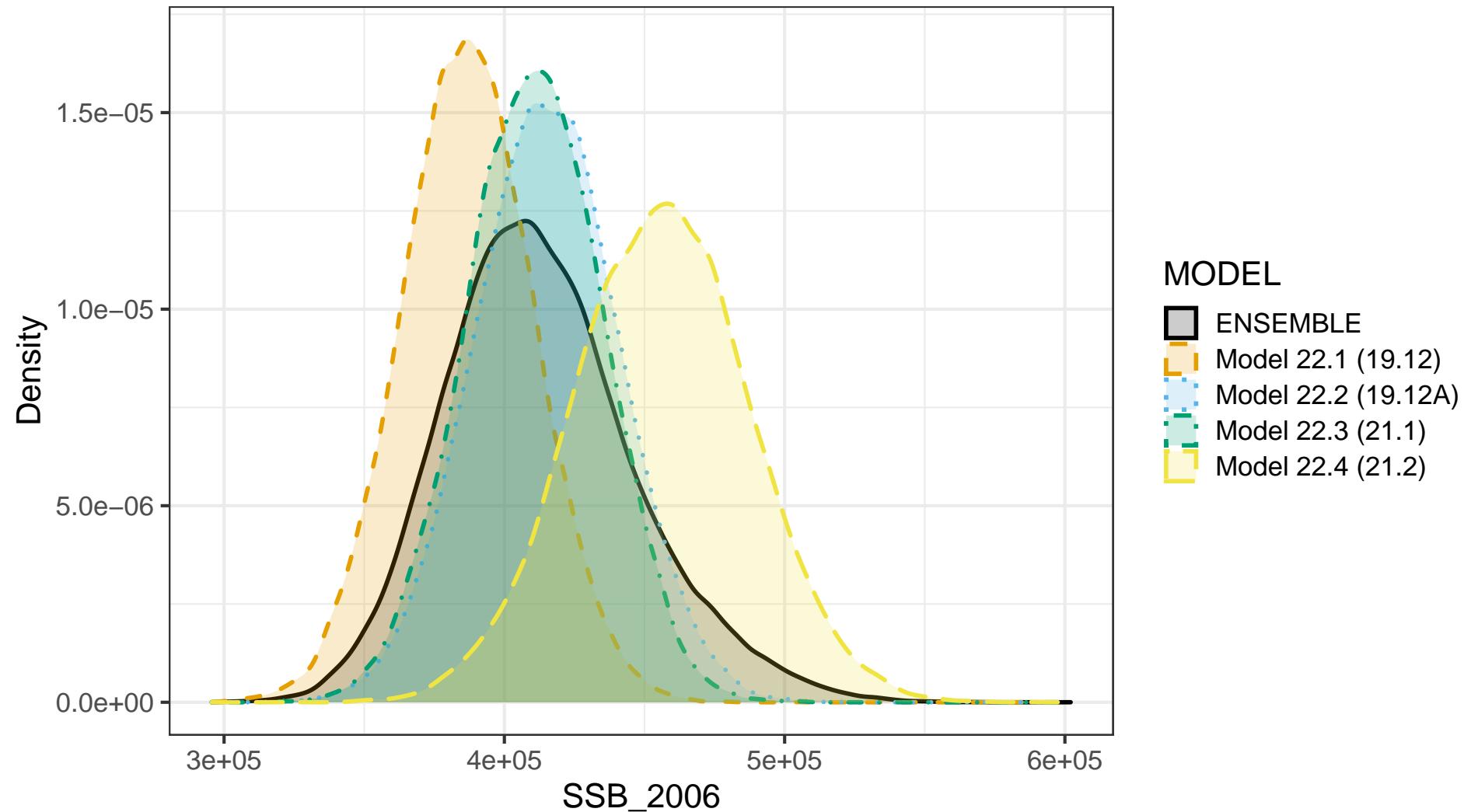
SSB_2004



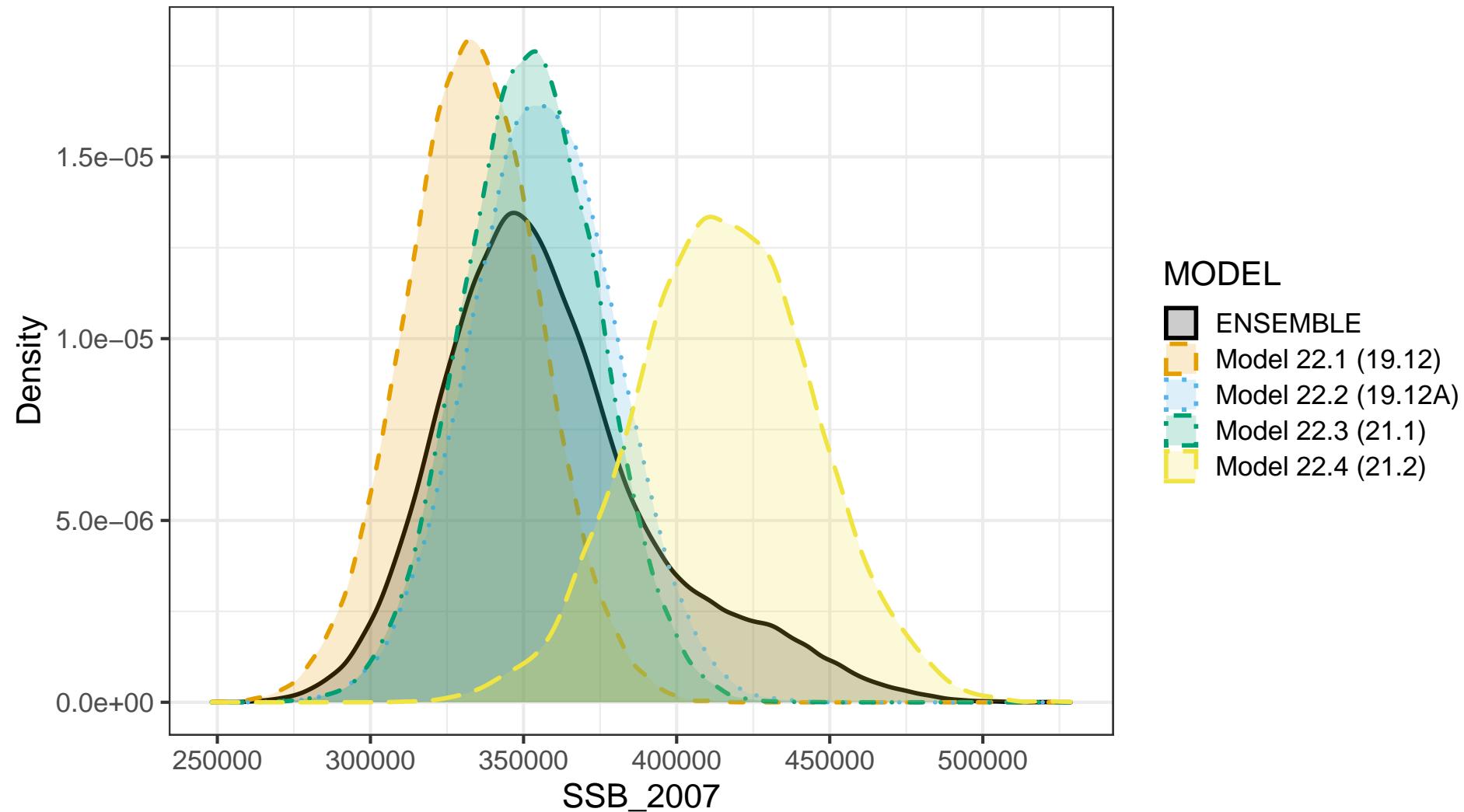
SSB_2005



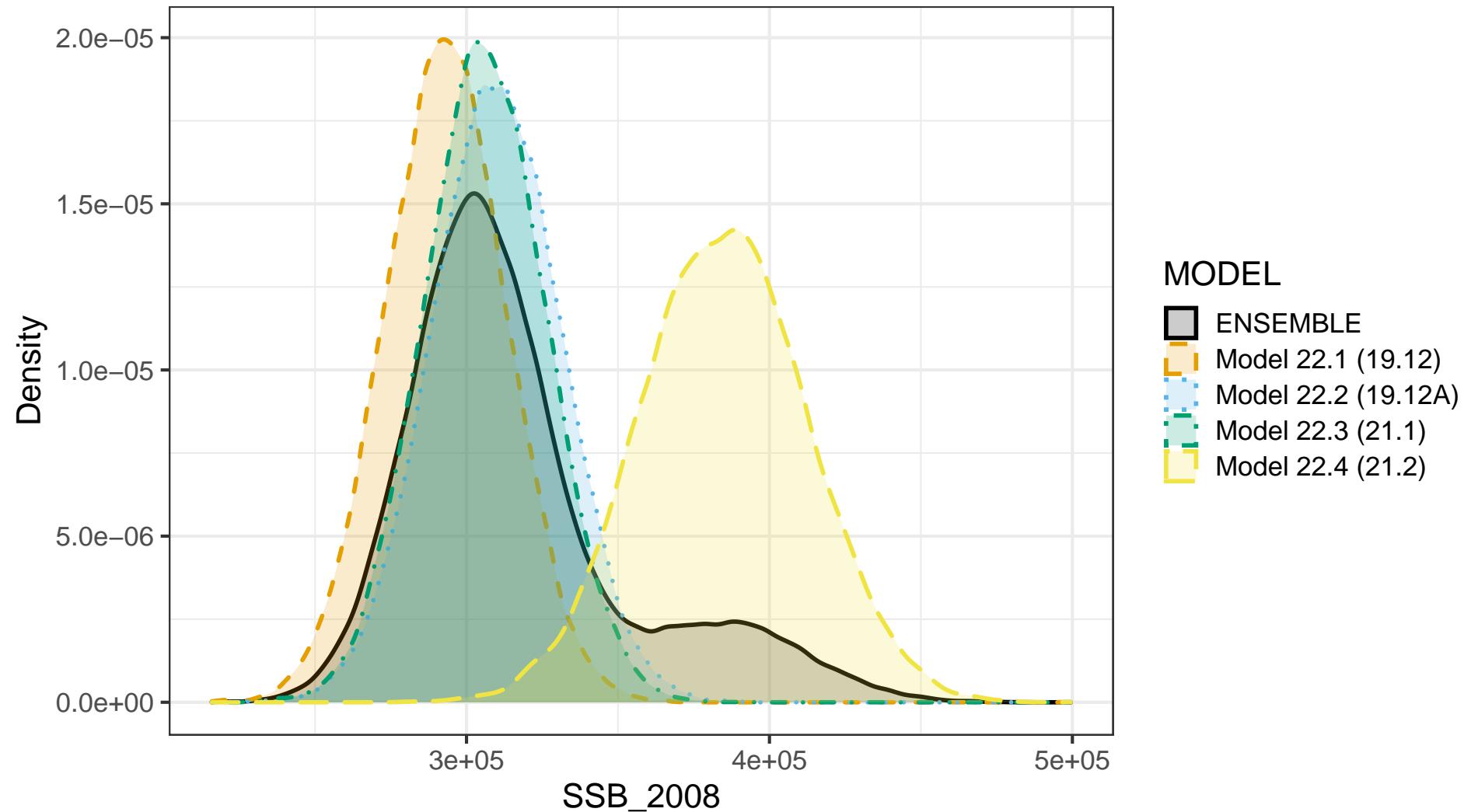
SSB_2006



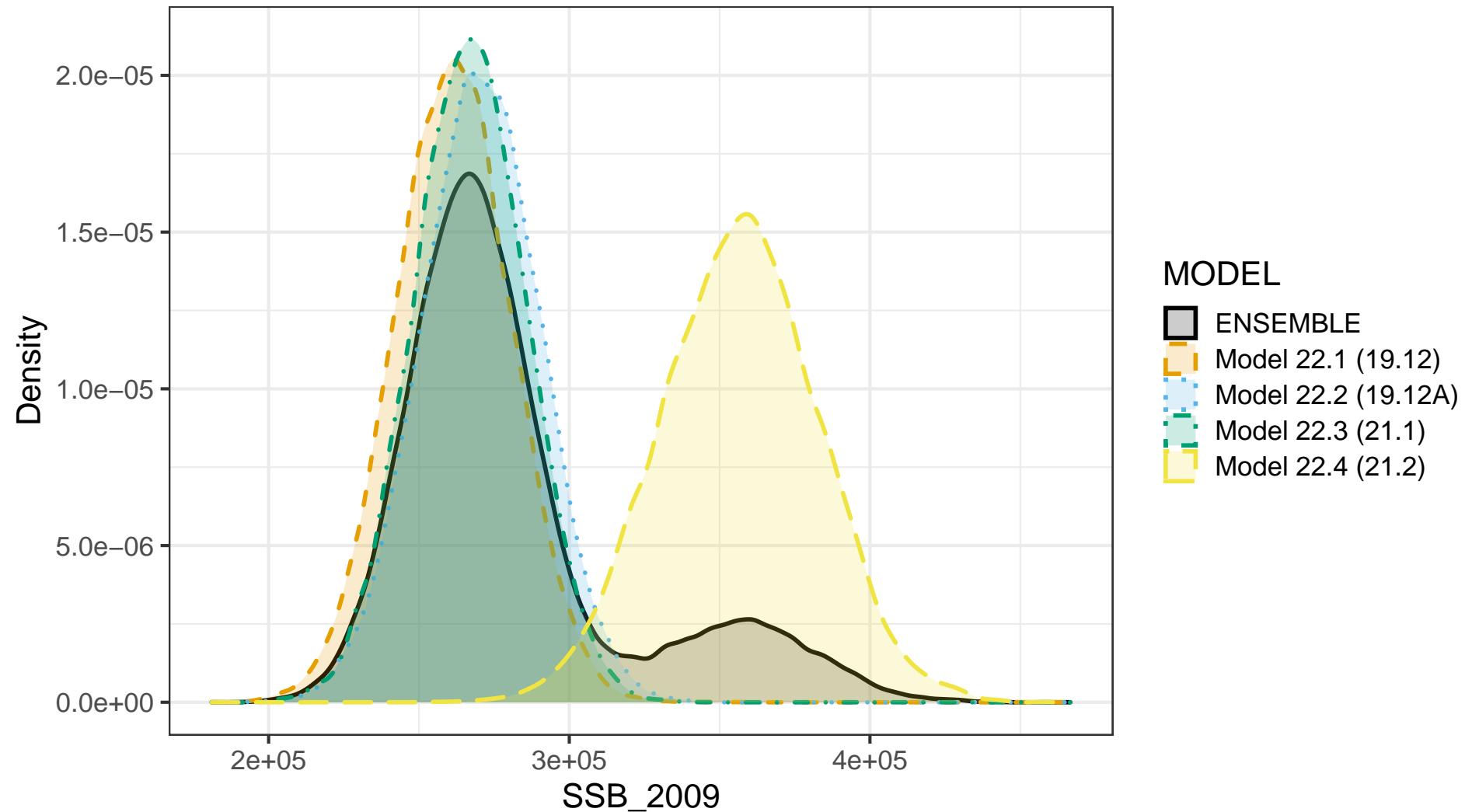
SSB_2007



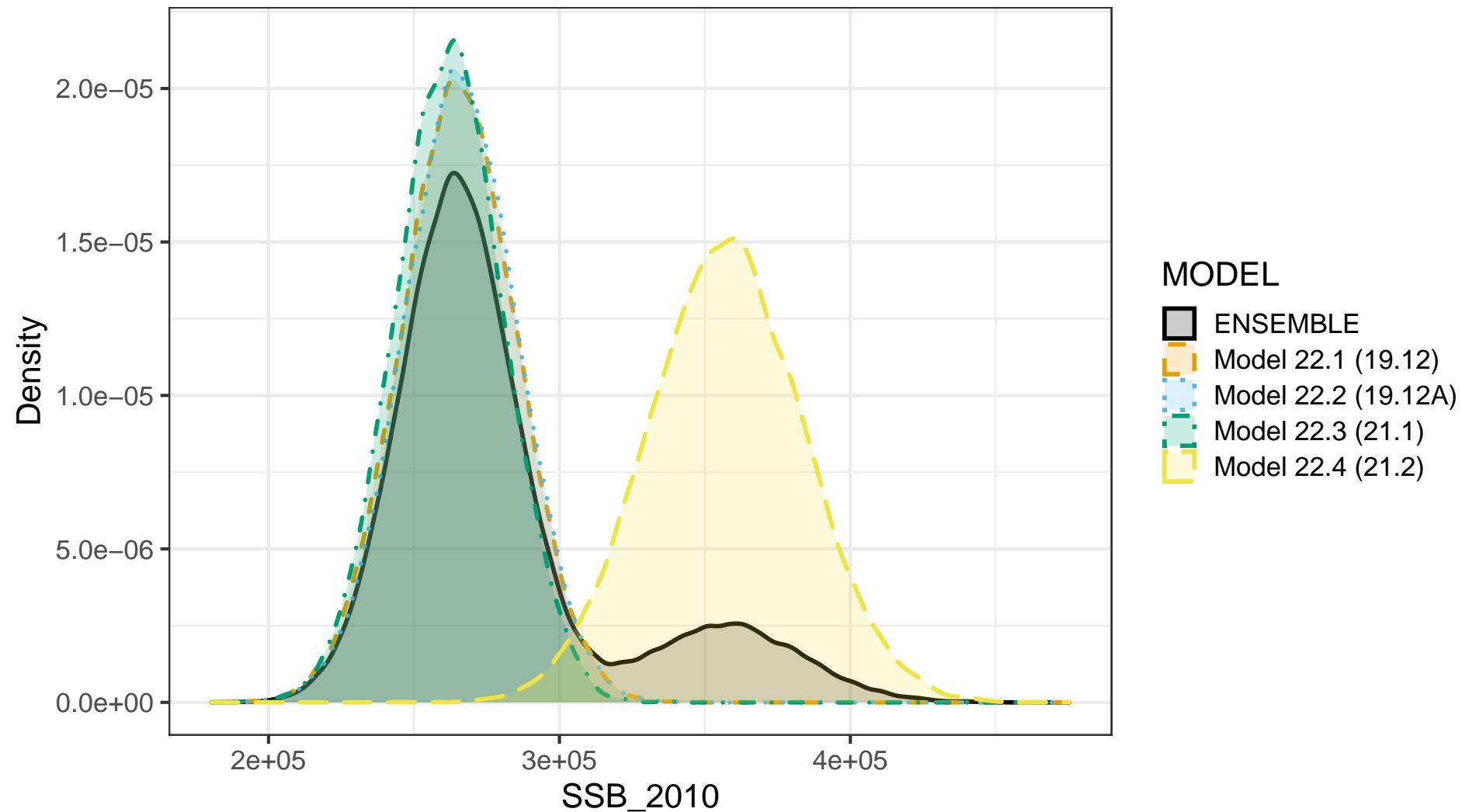
SSB_2008



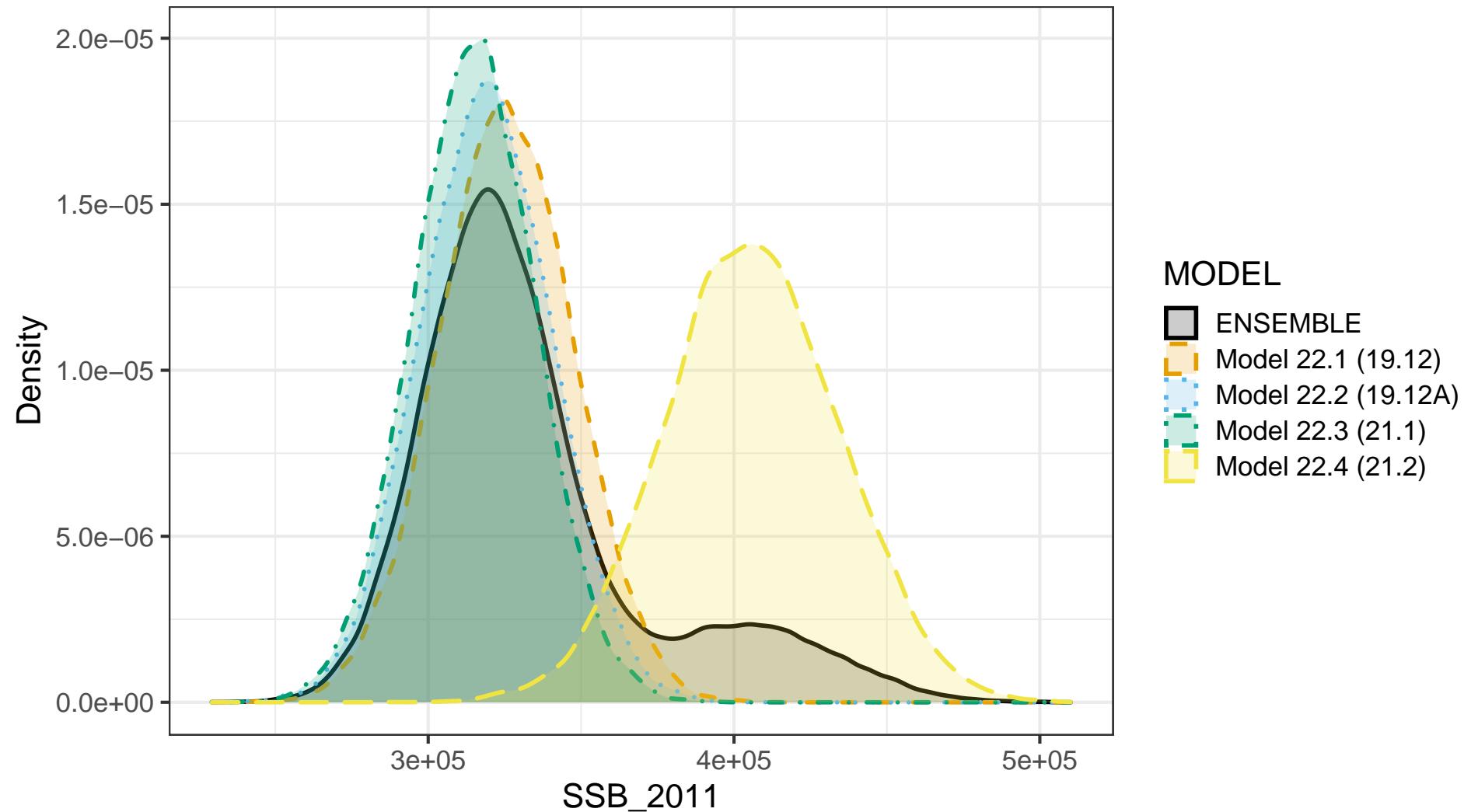
SSB_2009



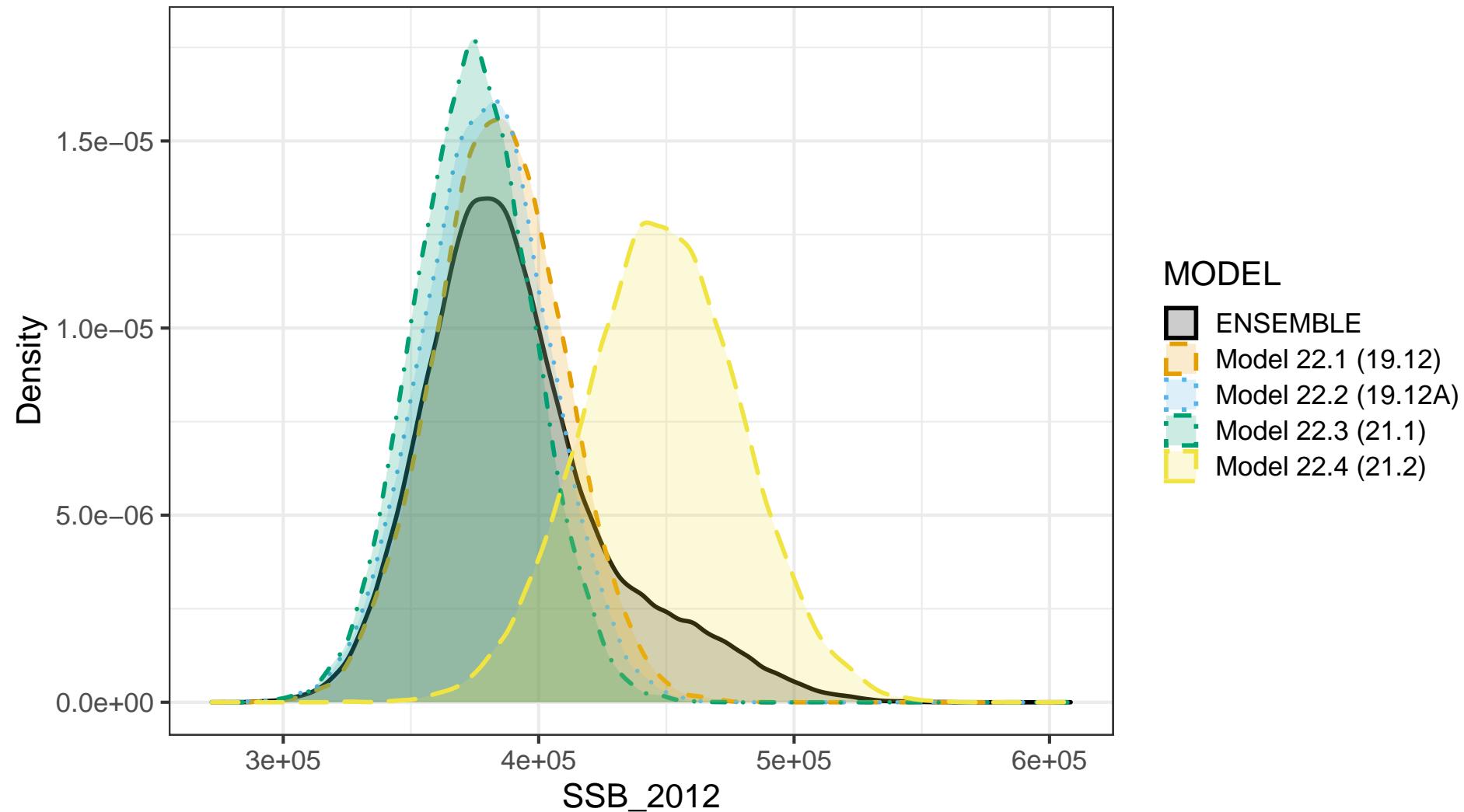
SSB_2010



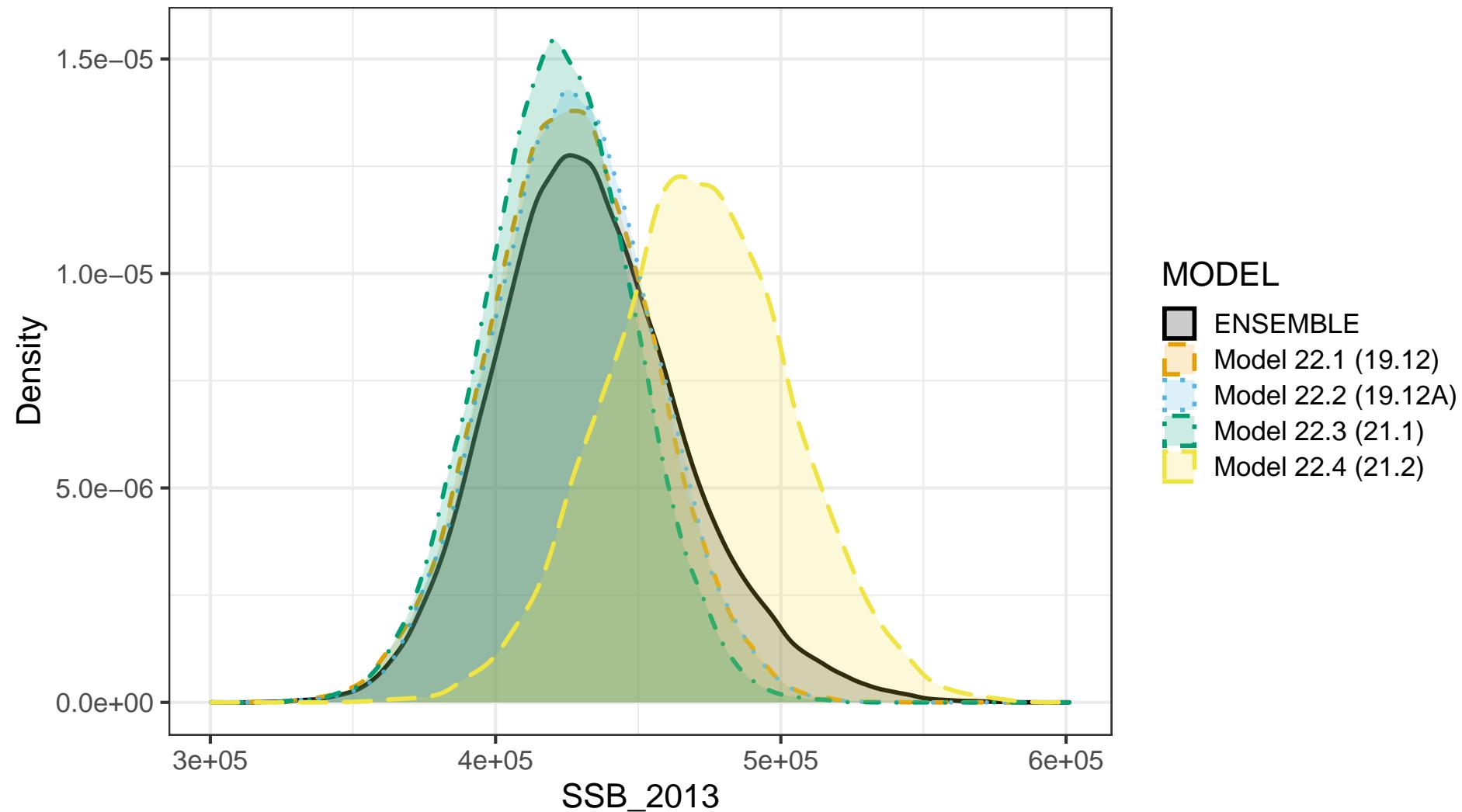
SSB_2011



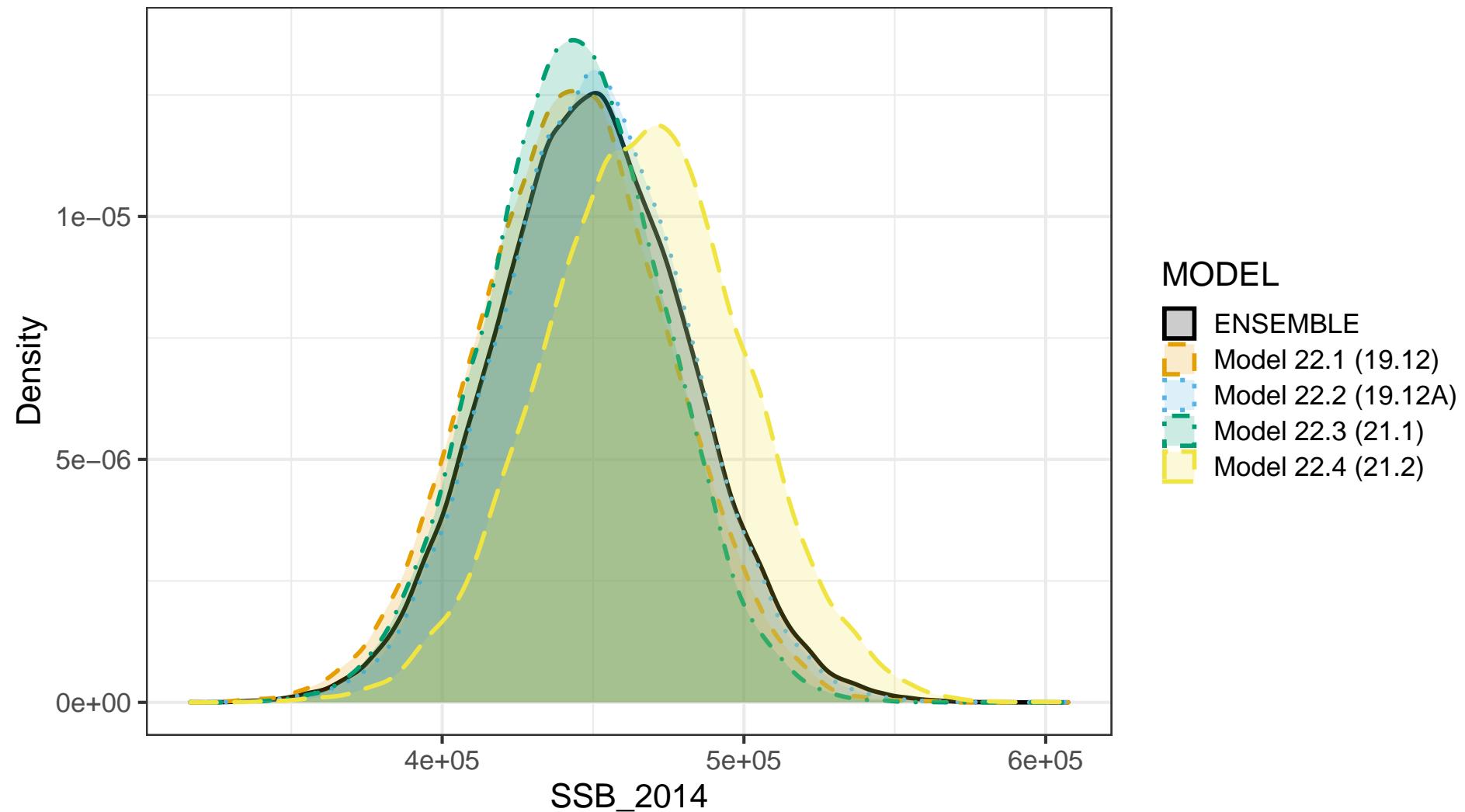
SSB_2012



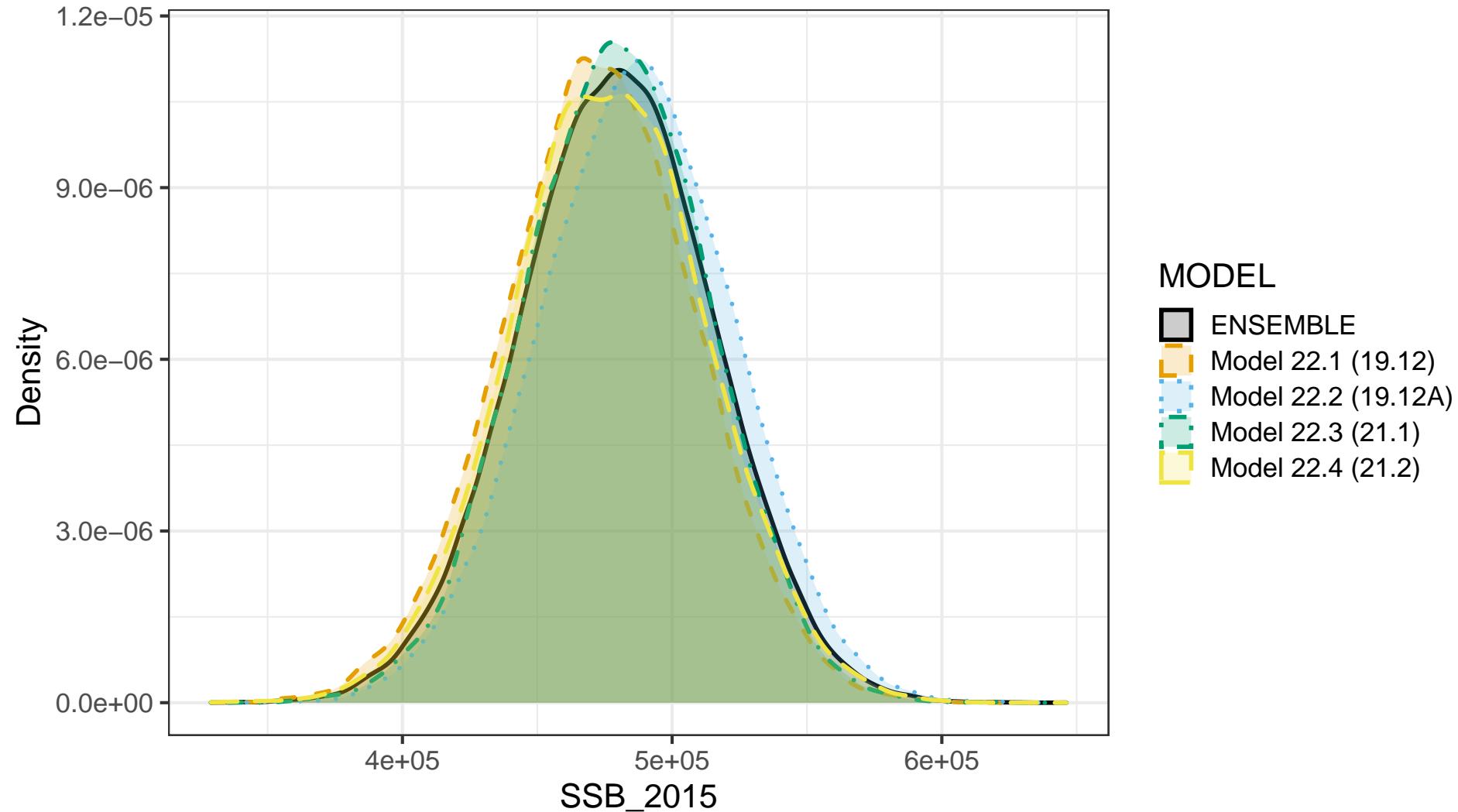
SSB_2013



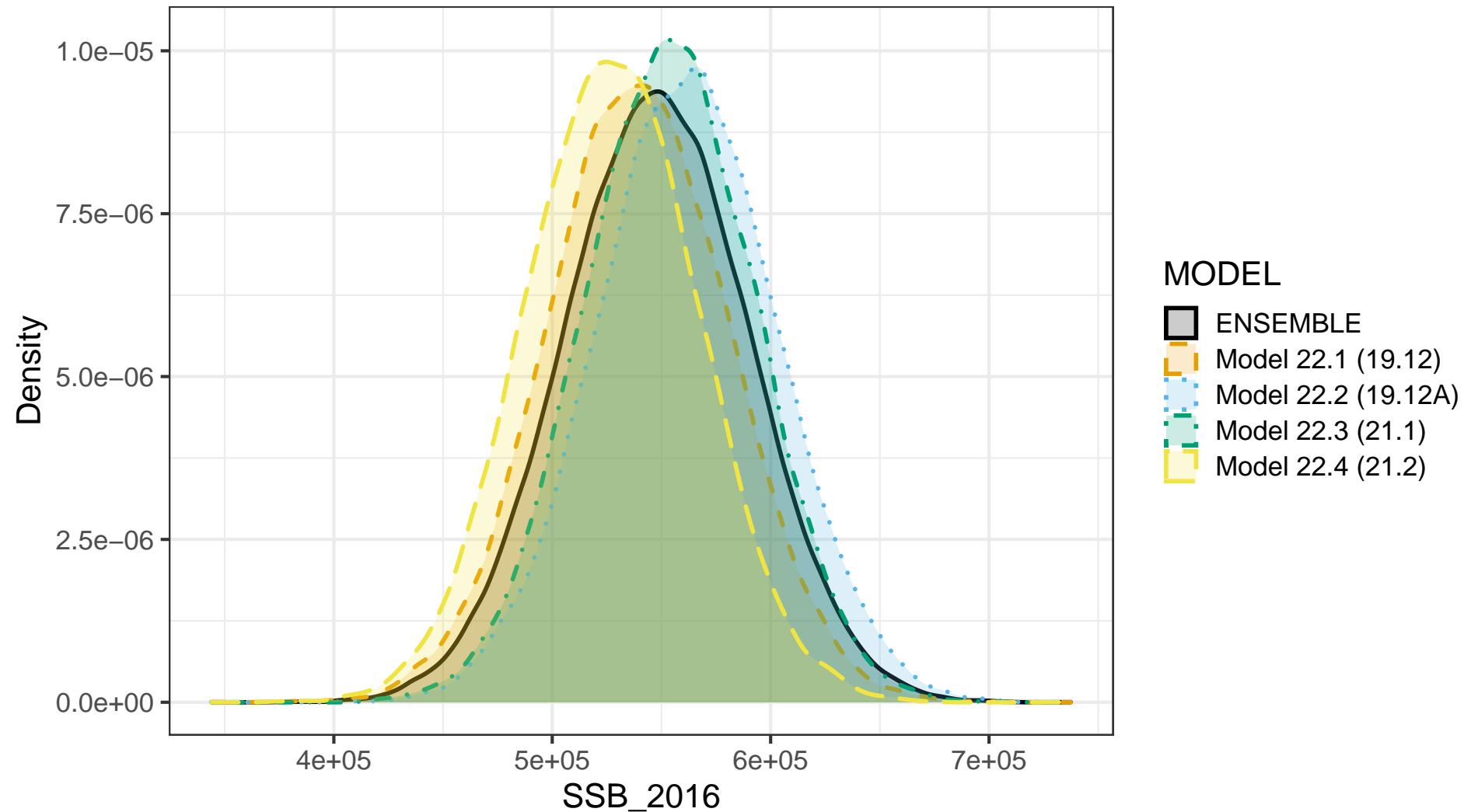
SSB_2014



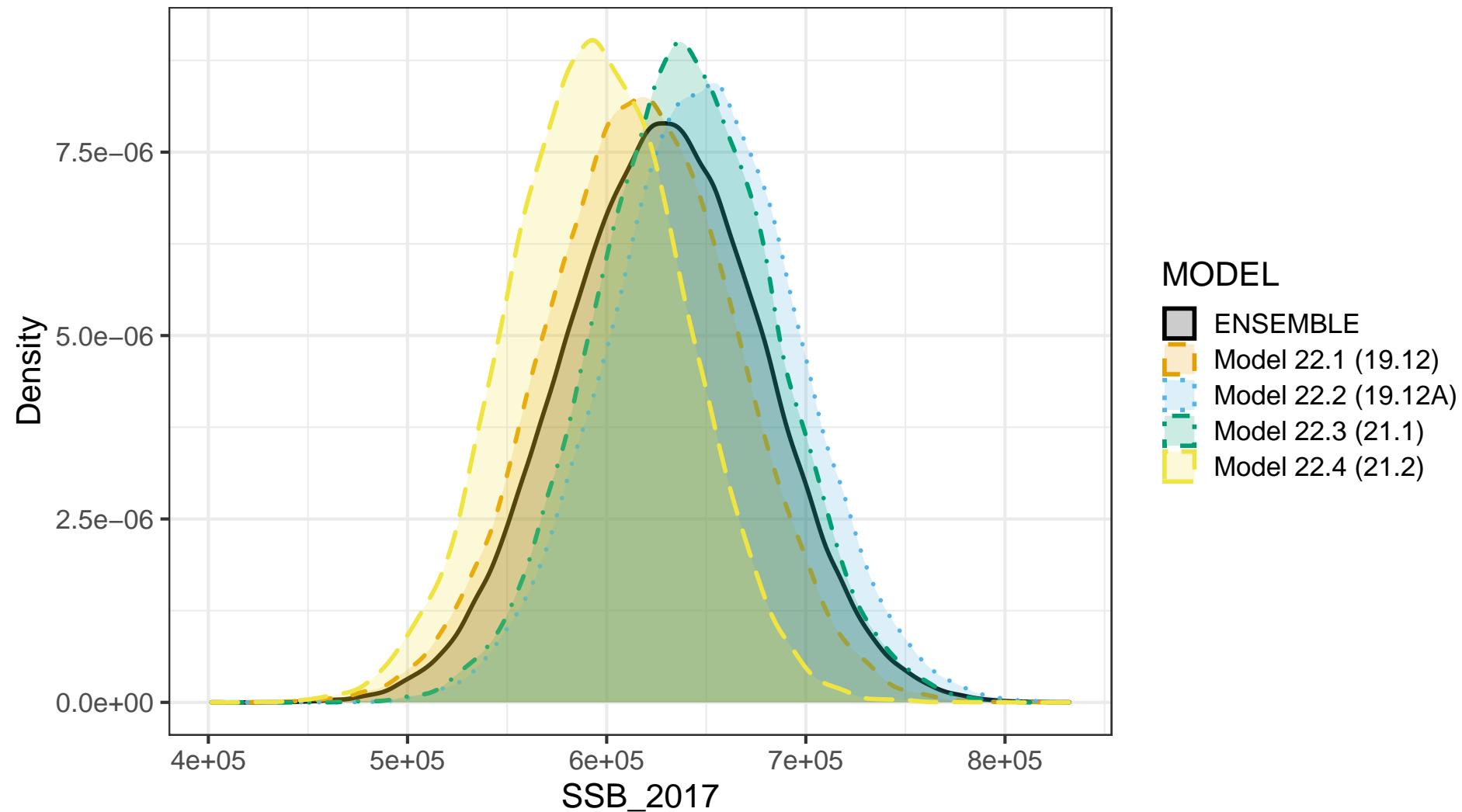
SSB_2015



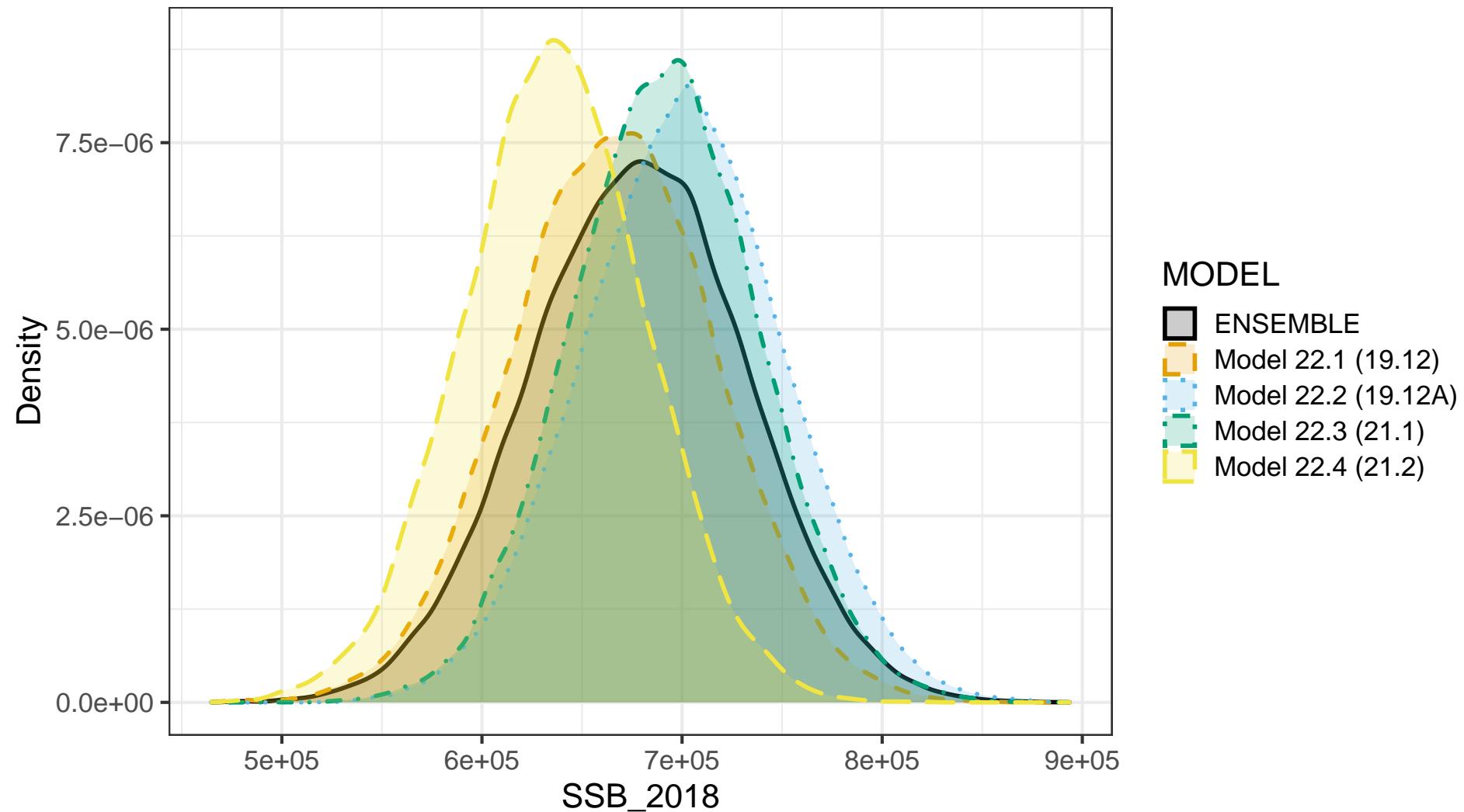
SSB_2016



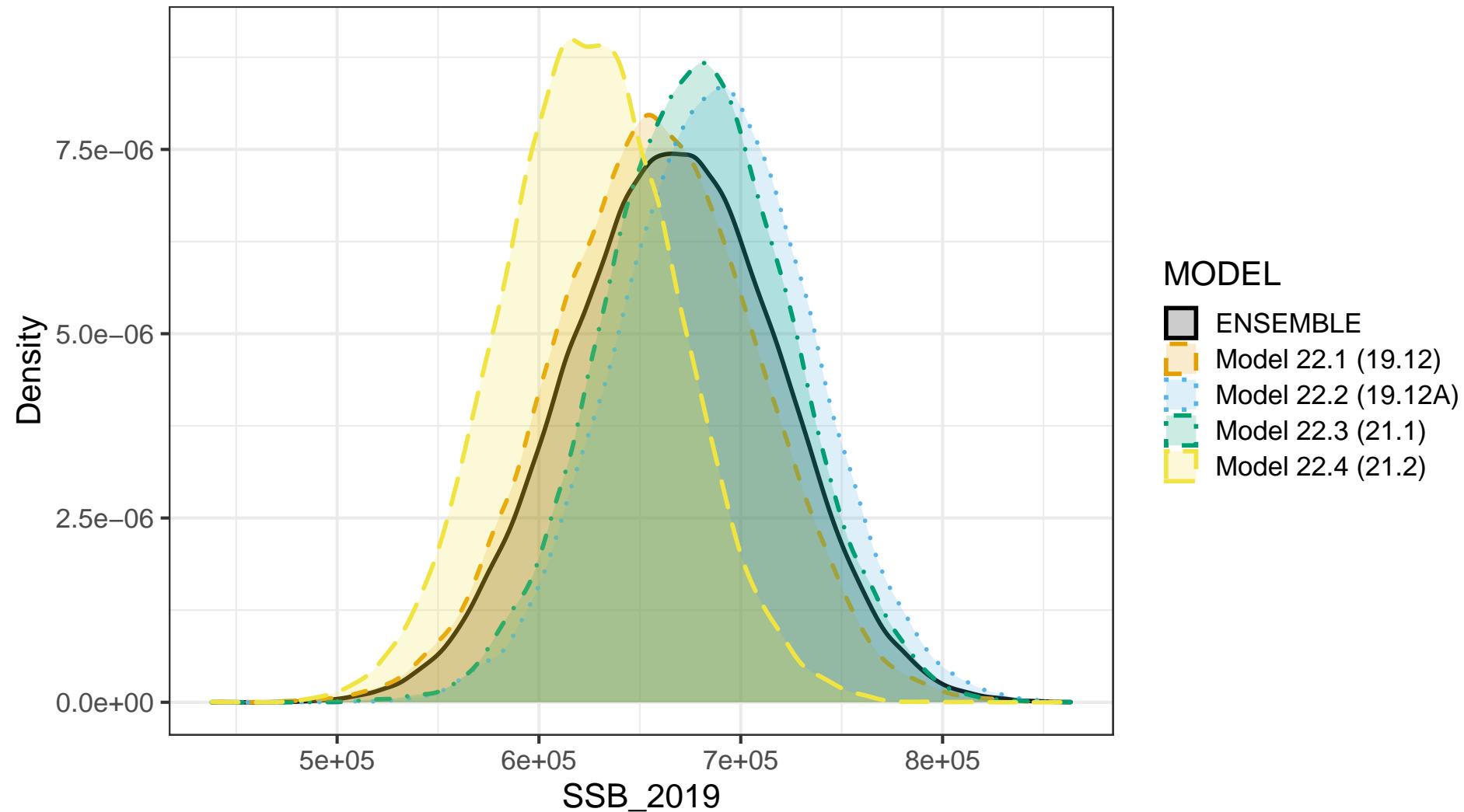
SSB_2017



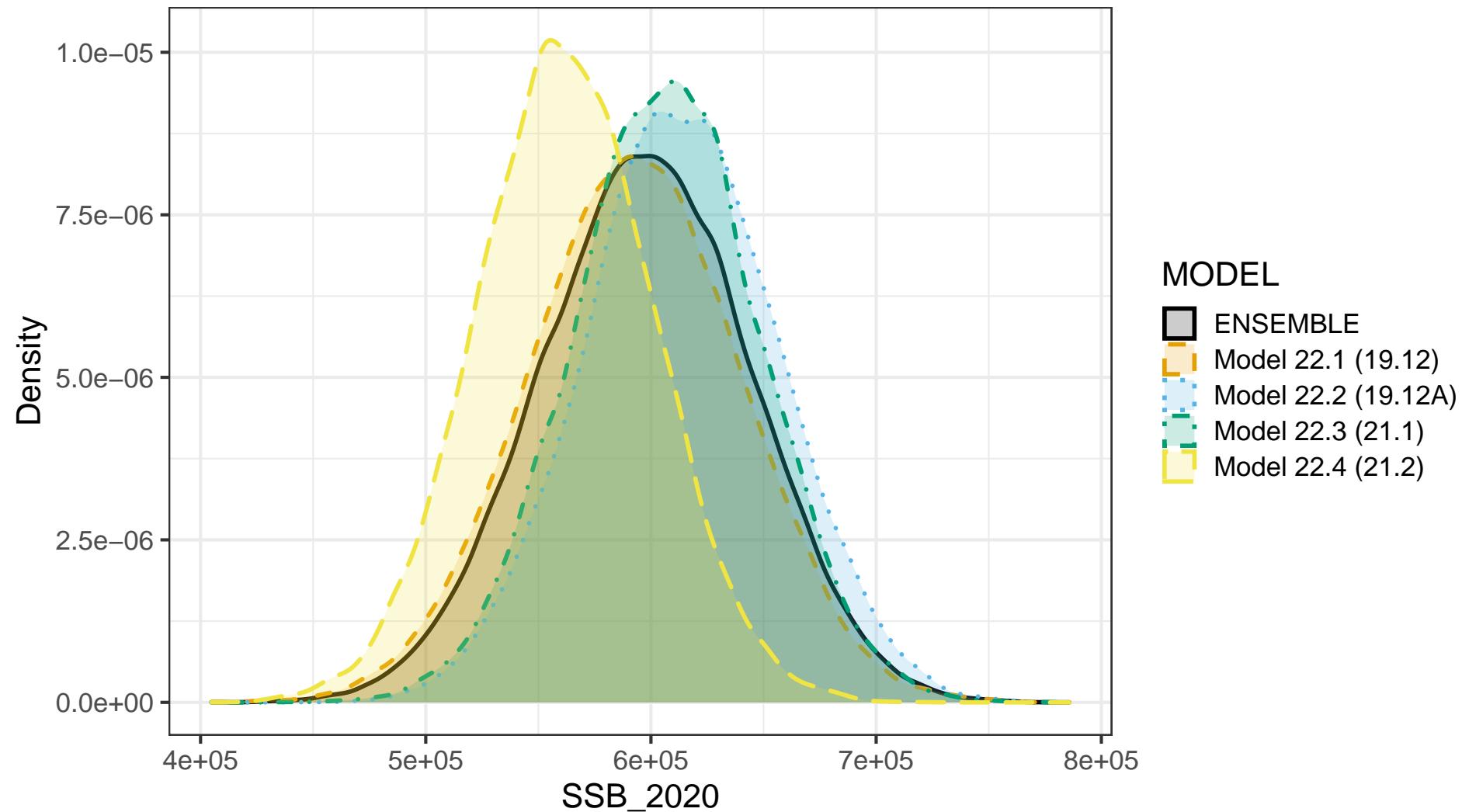
SSB_2018



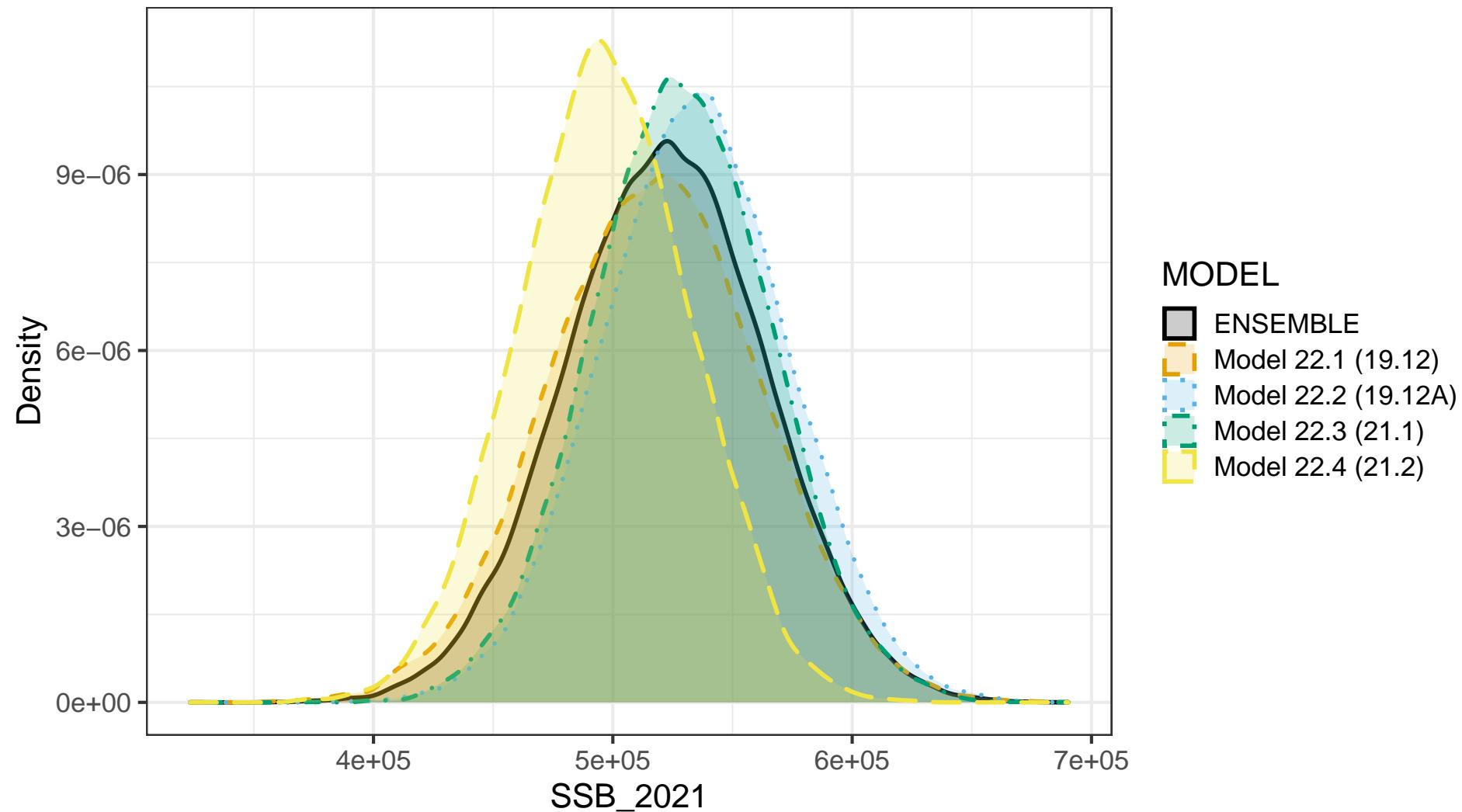
SSB_2019



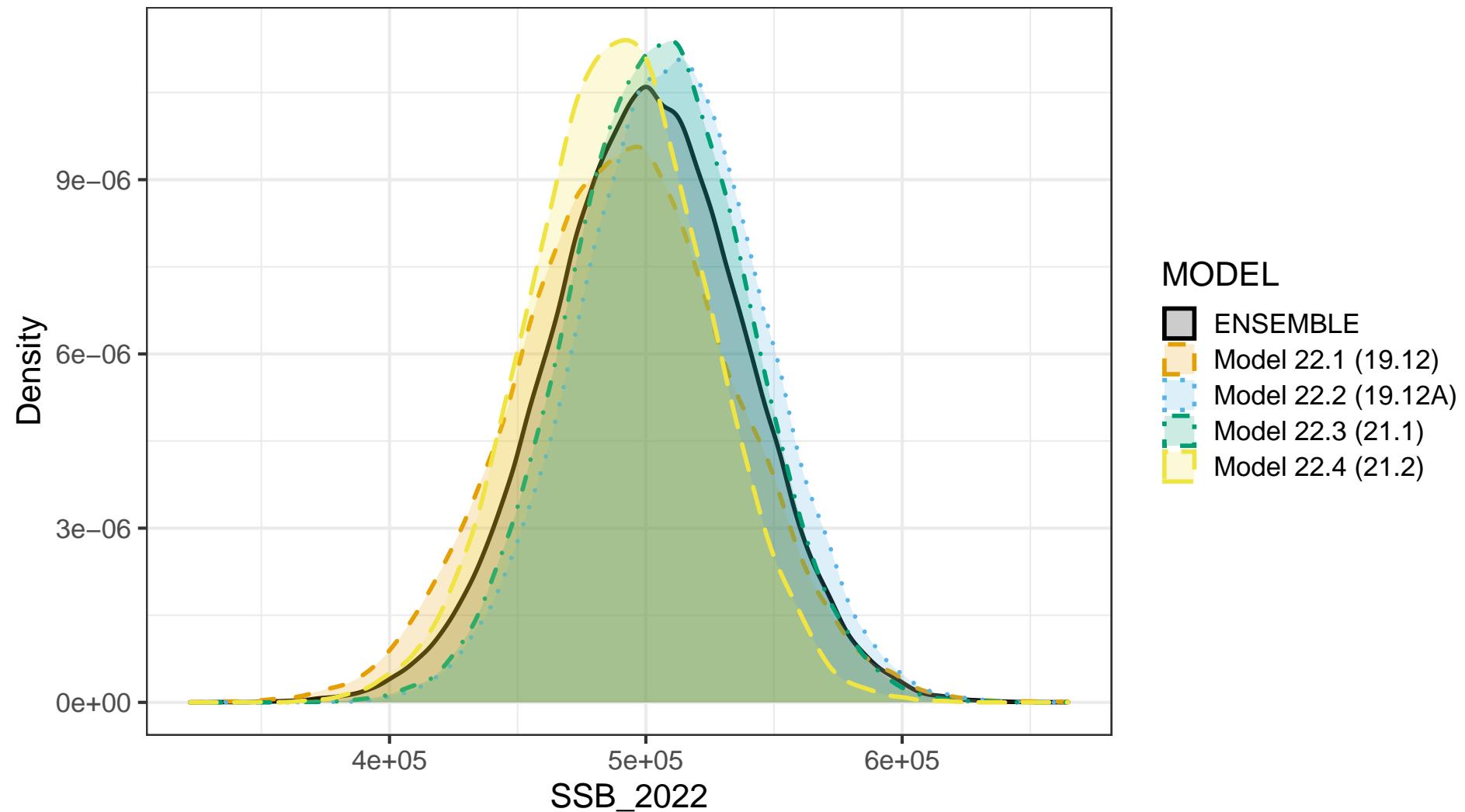
SSB_2020



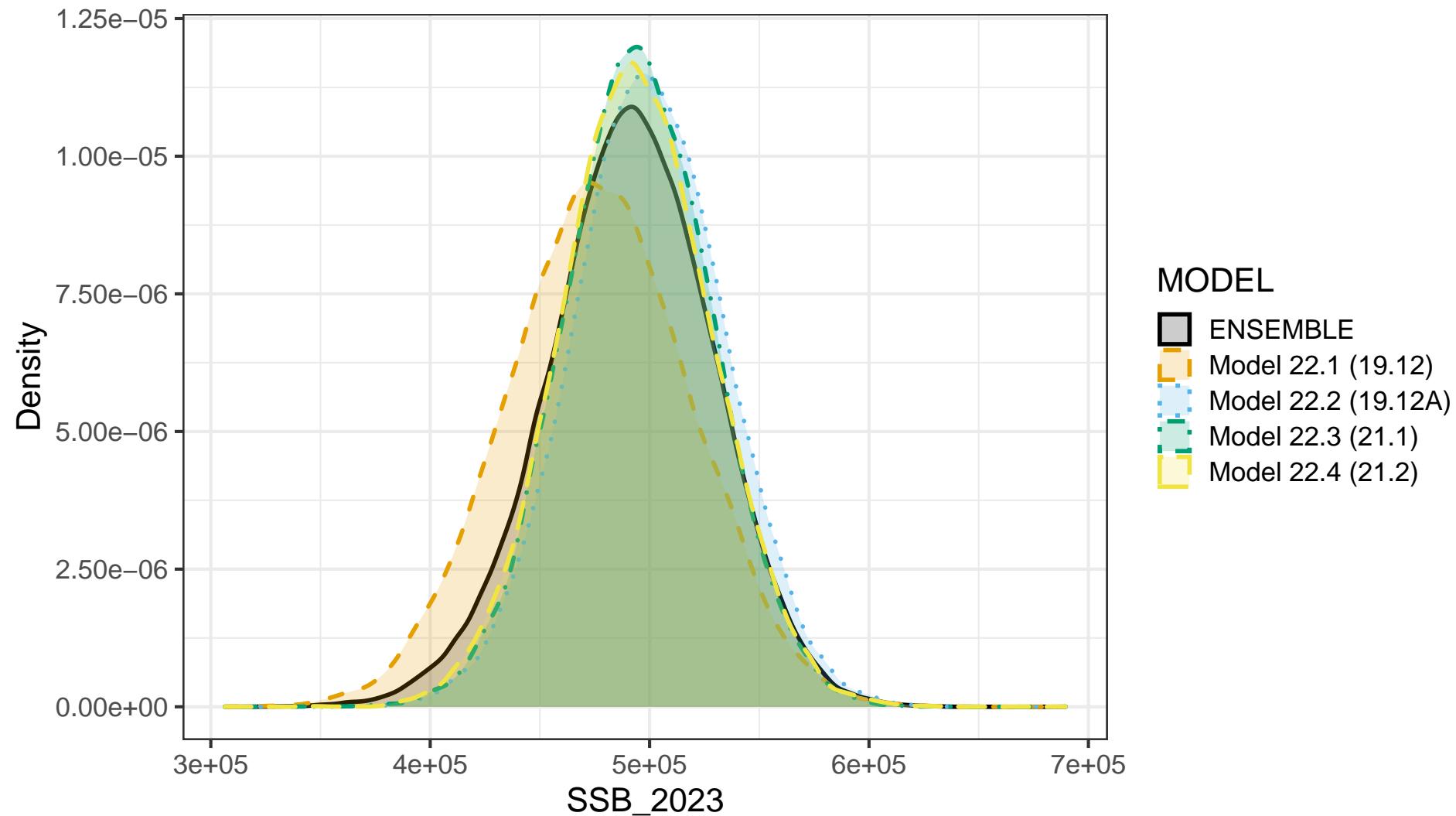
SSB_2021



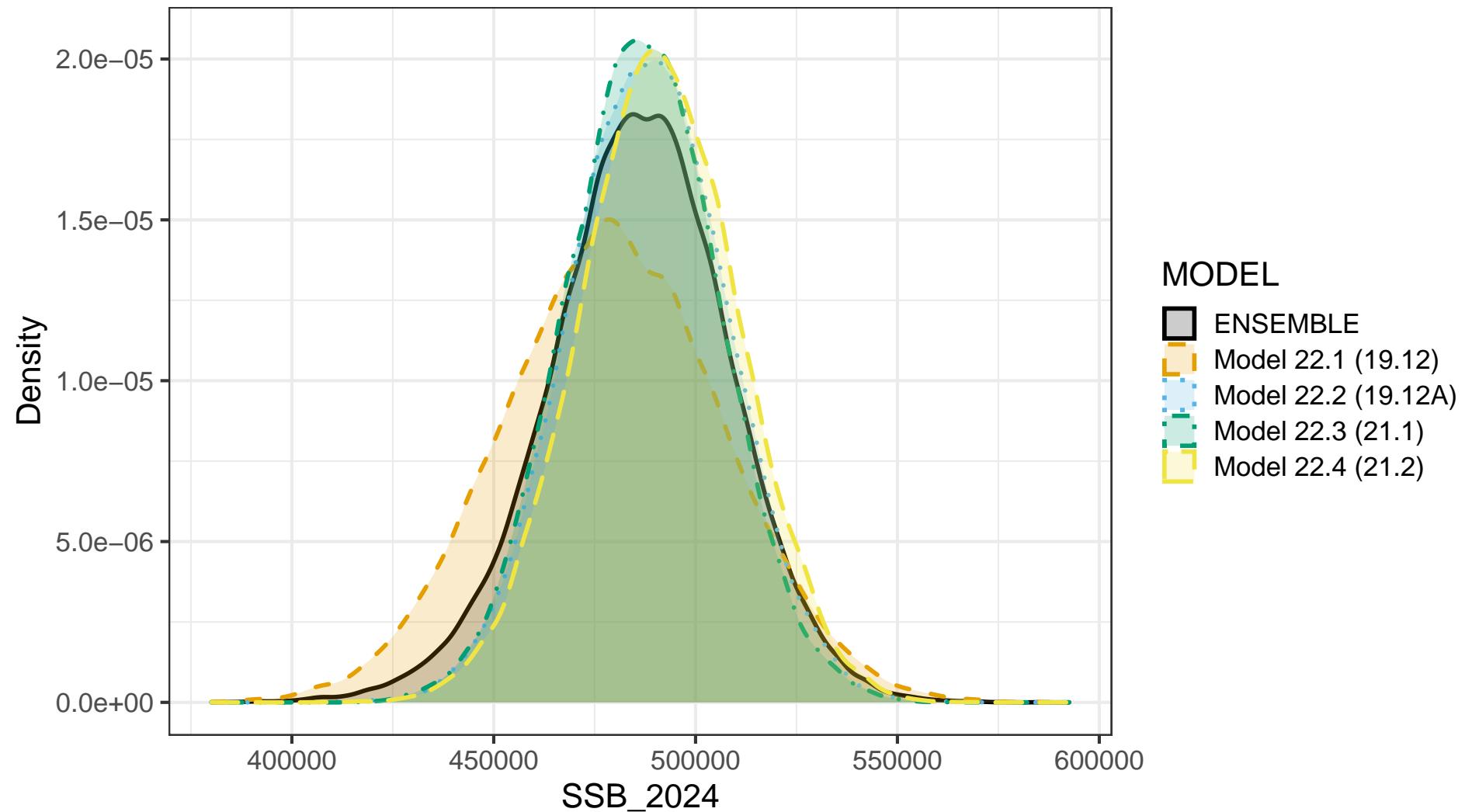
SSB_2022



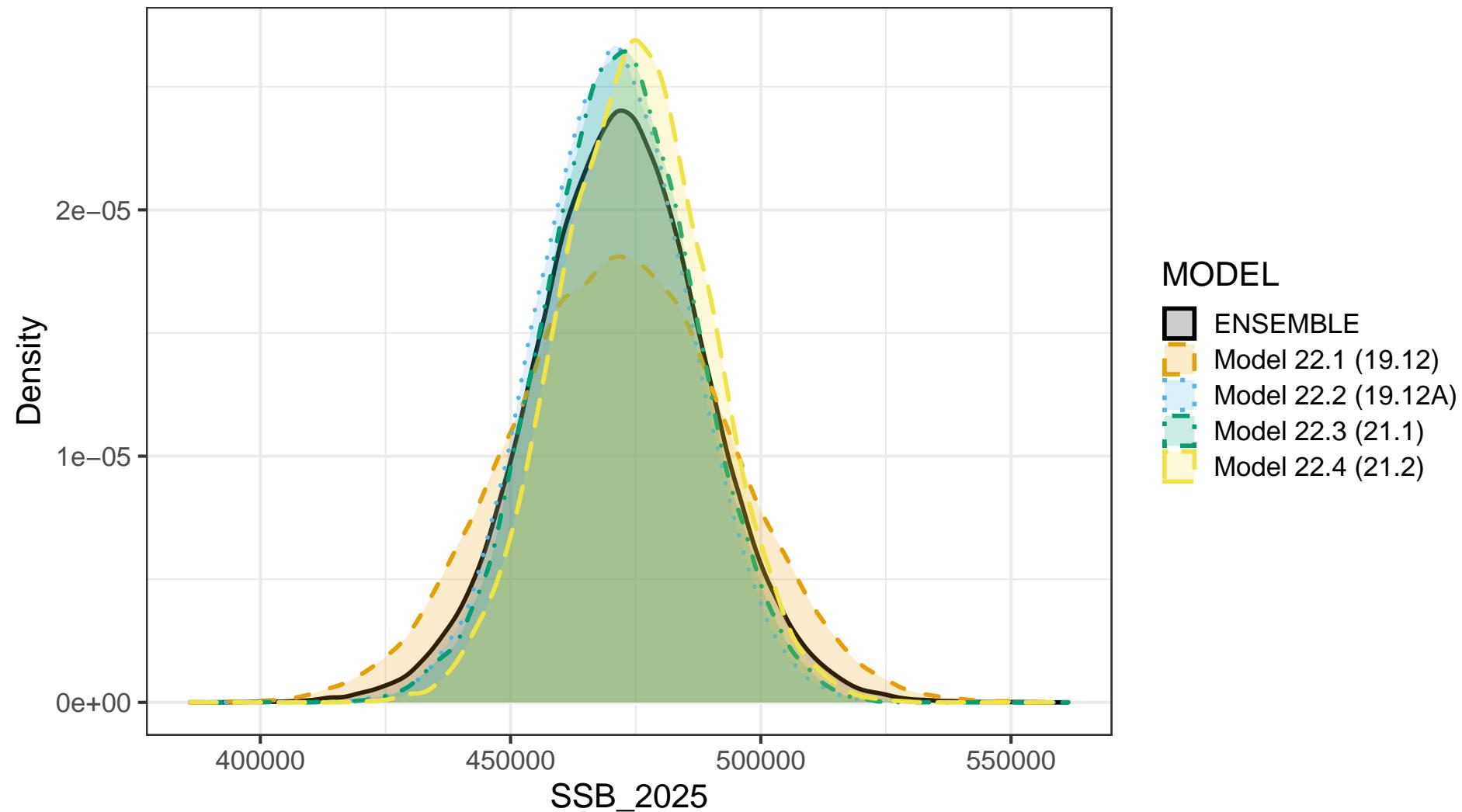
SSB_2023



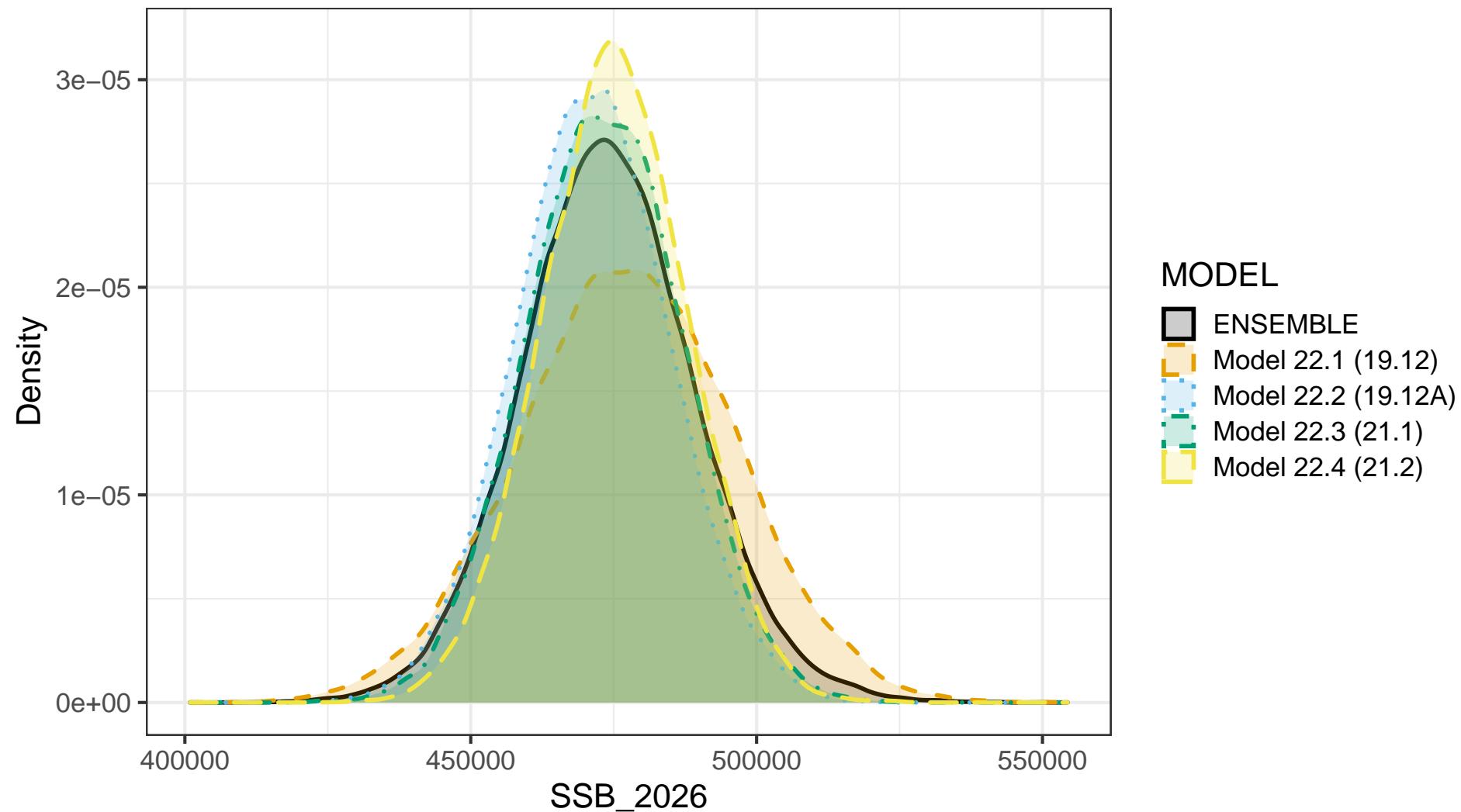
SSB_2024



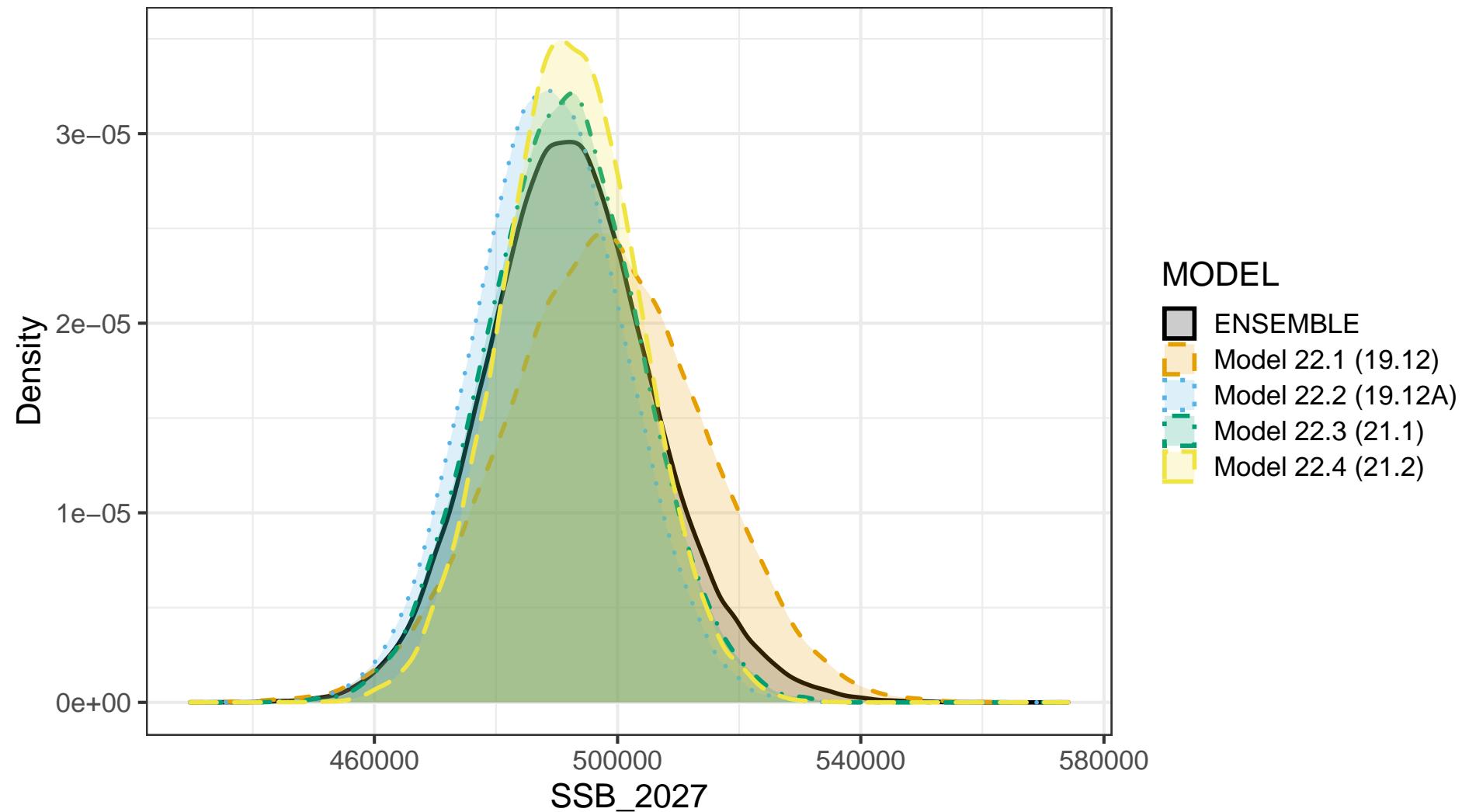
SSB_2025



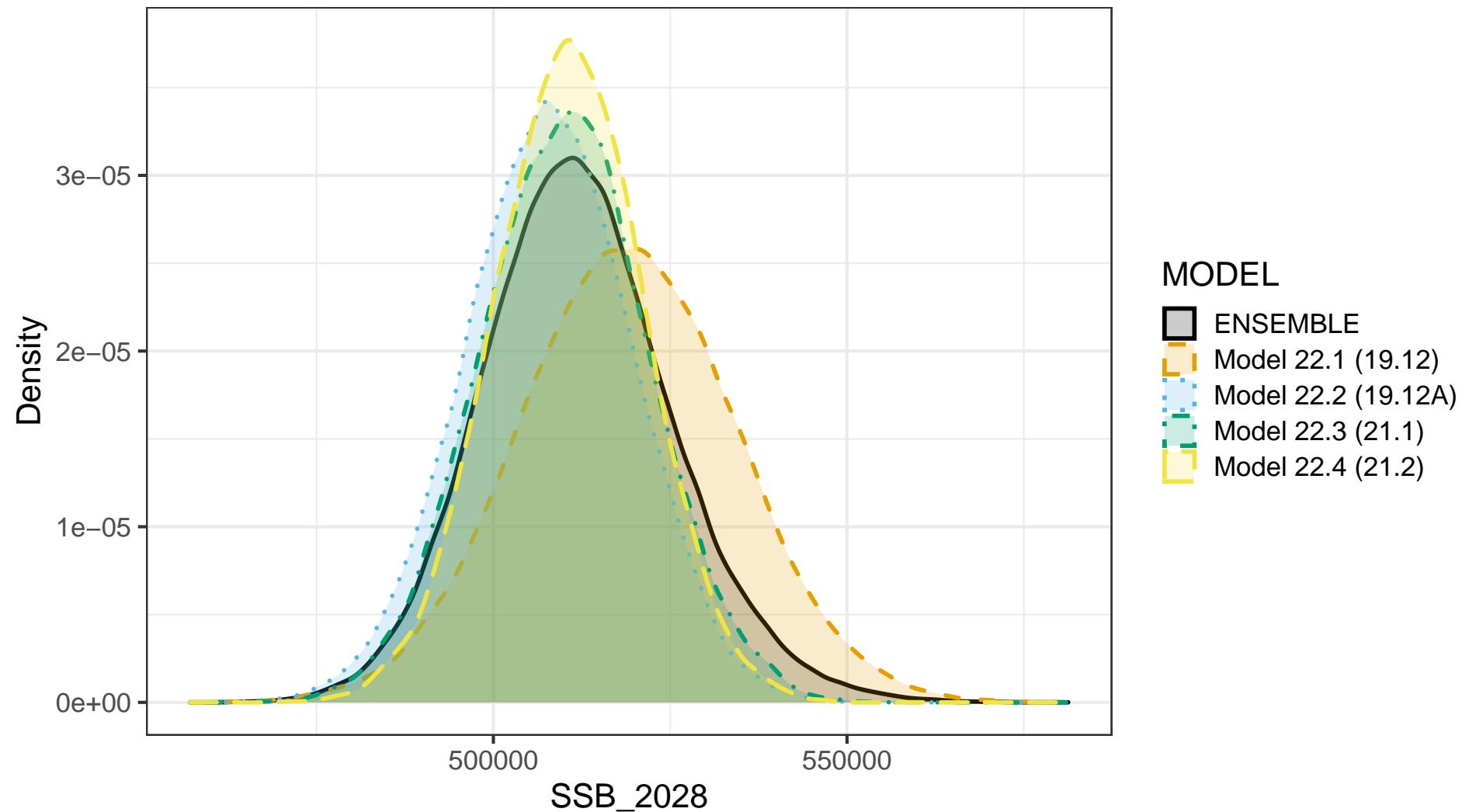
SSB_2026



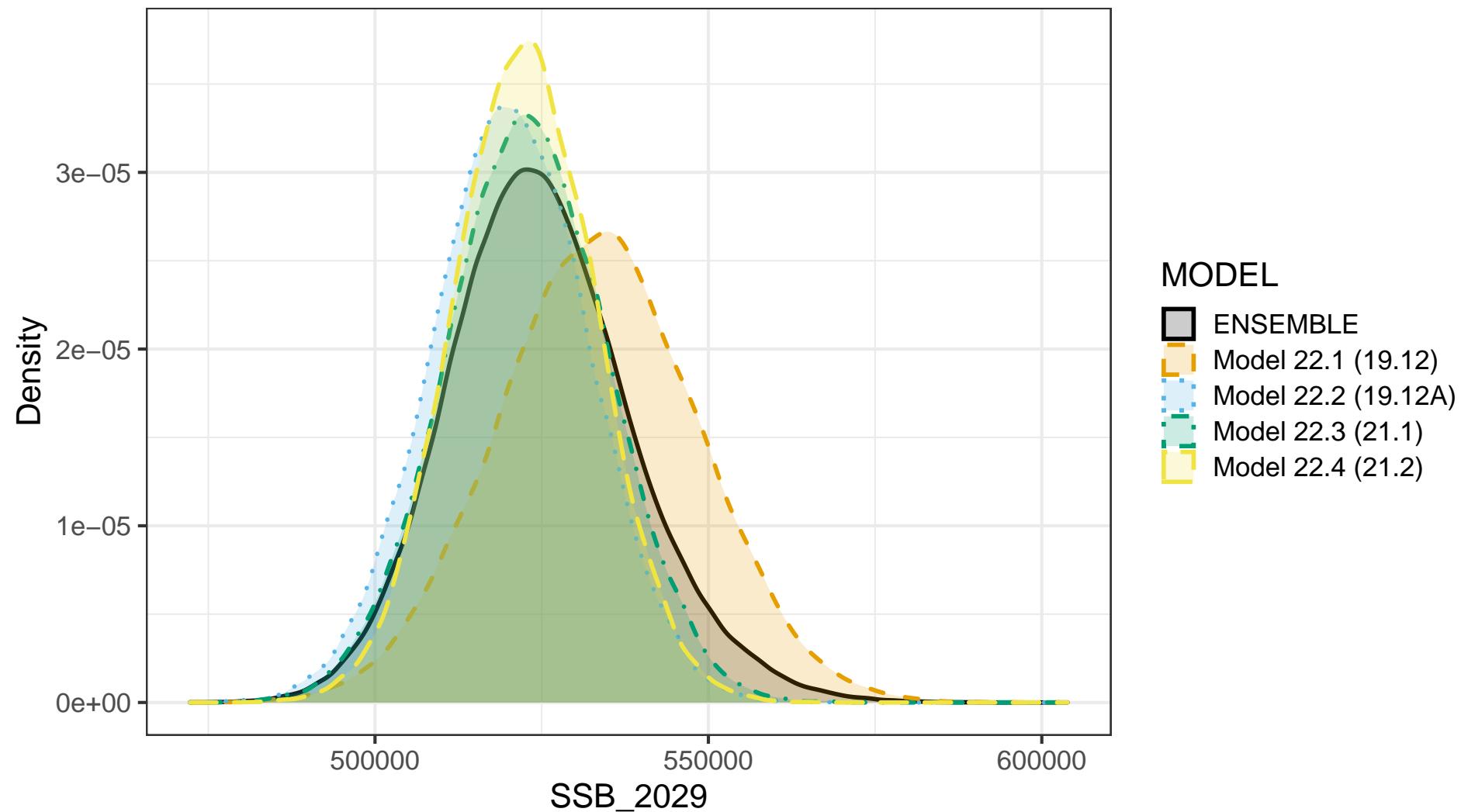
SSB_2027



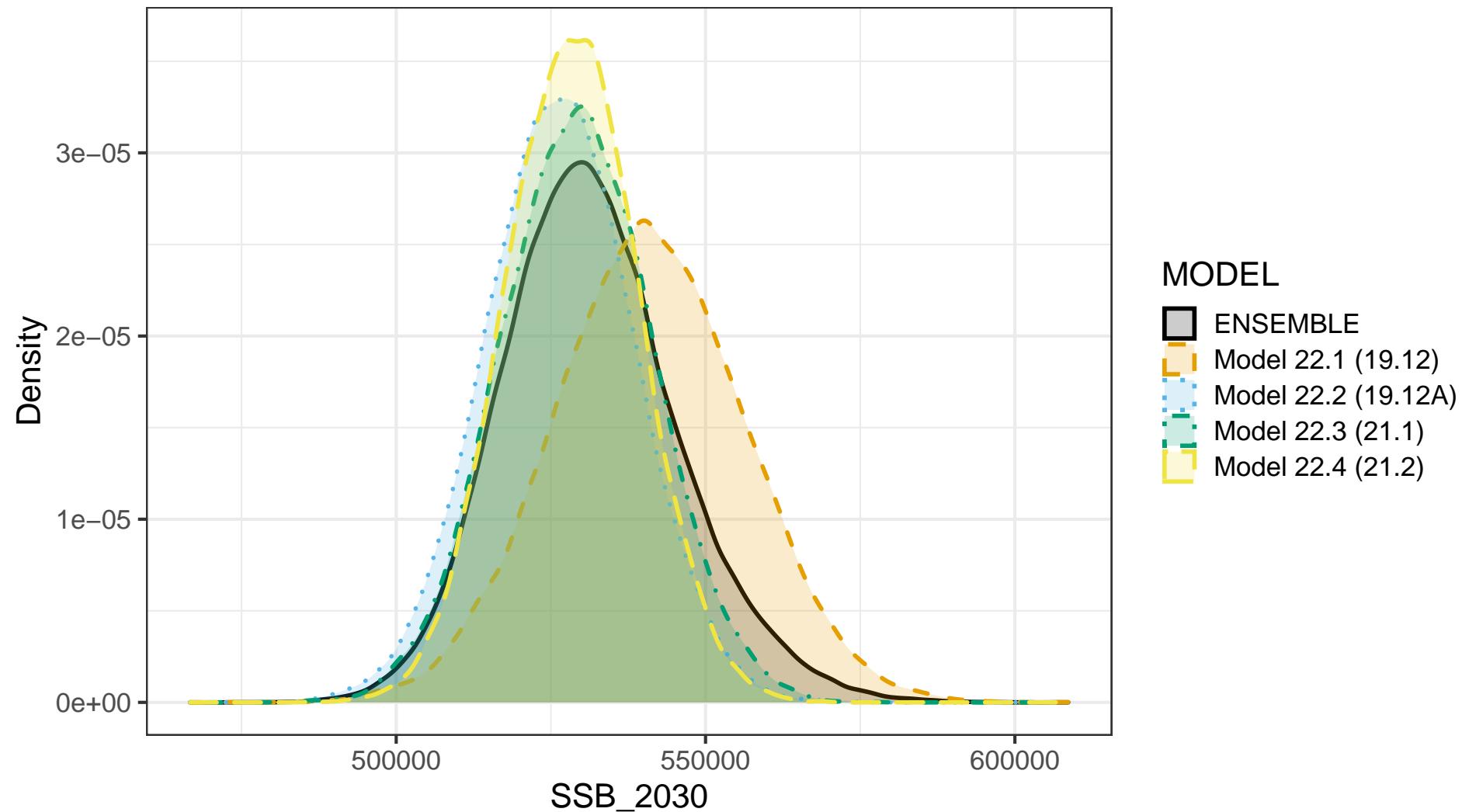
SSB_2028



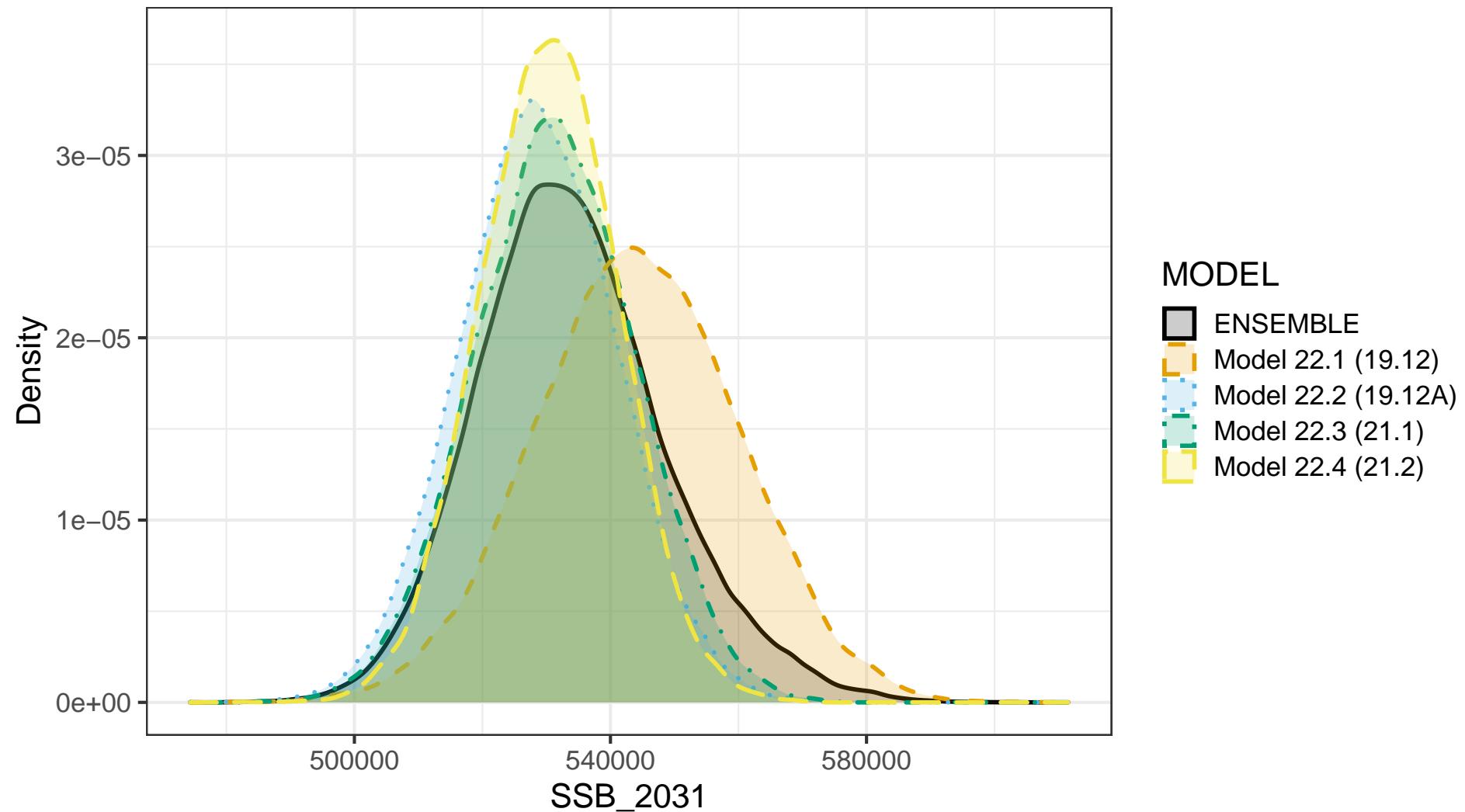
SSB_2029



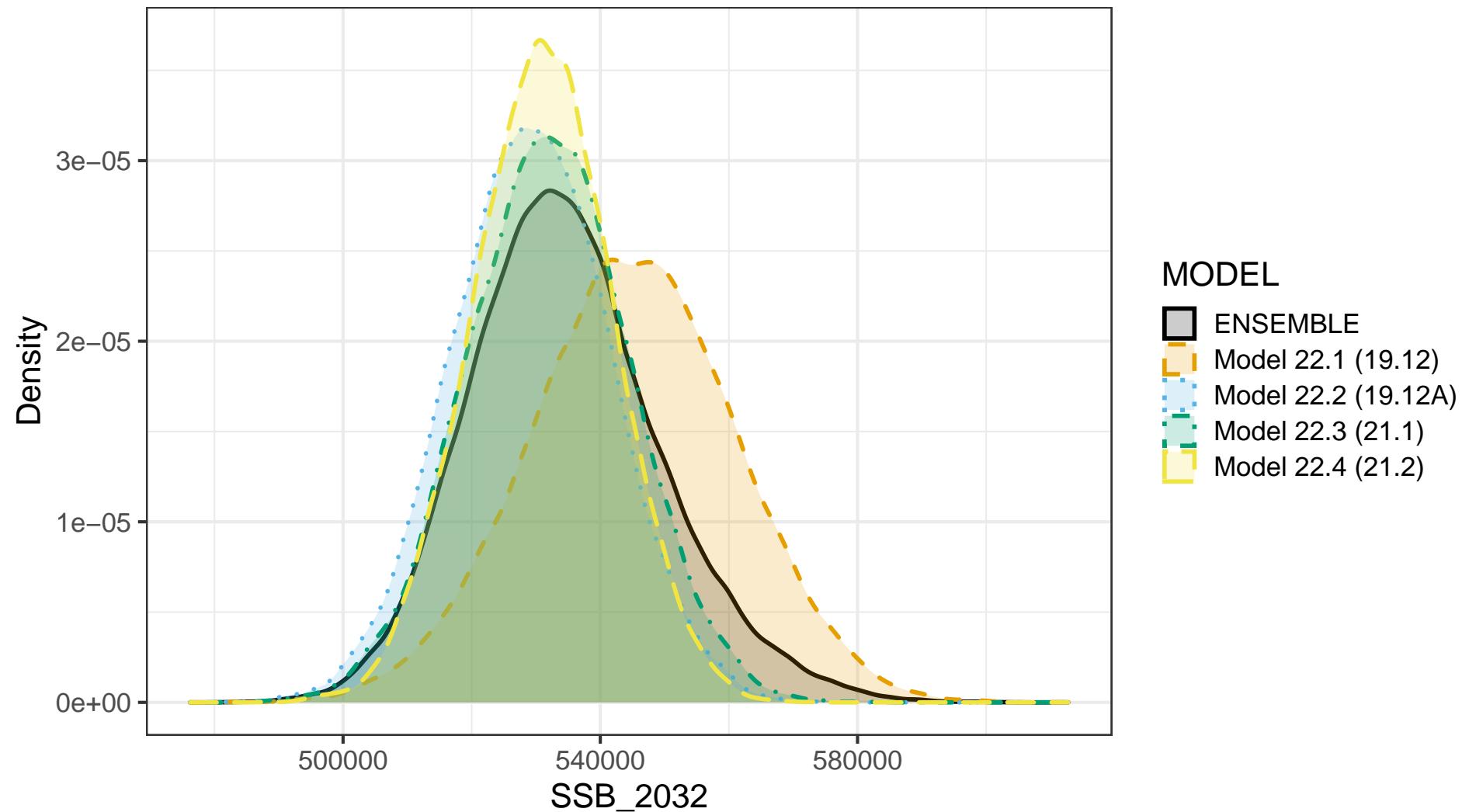
SSB_2030



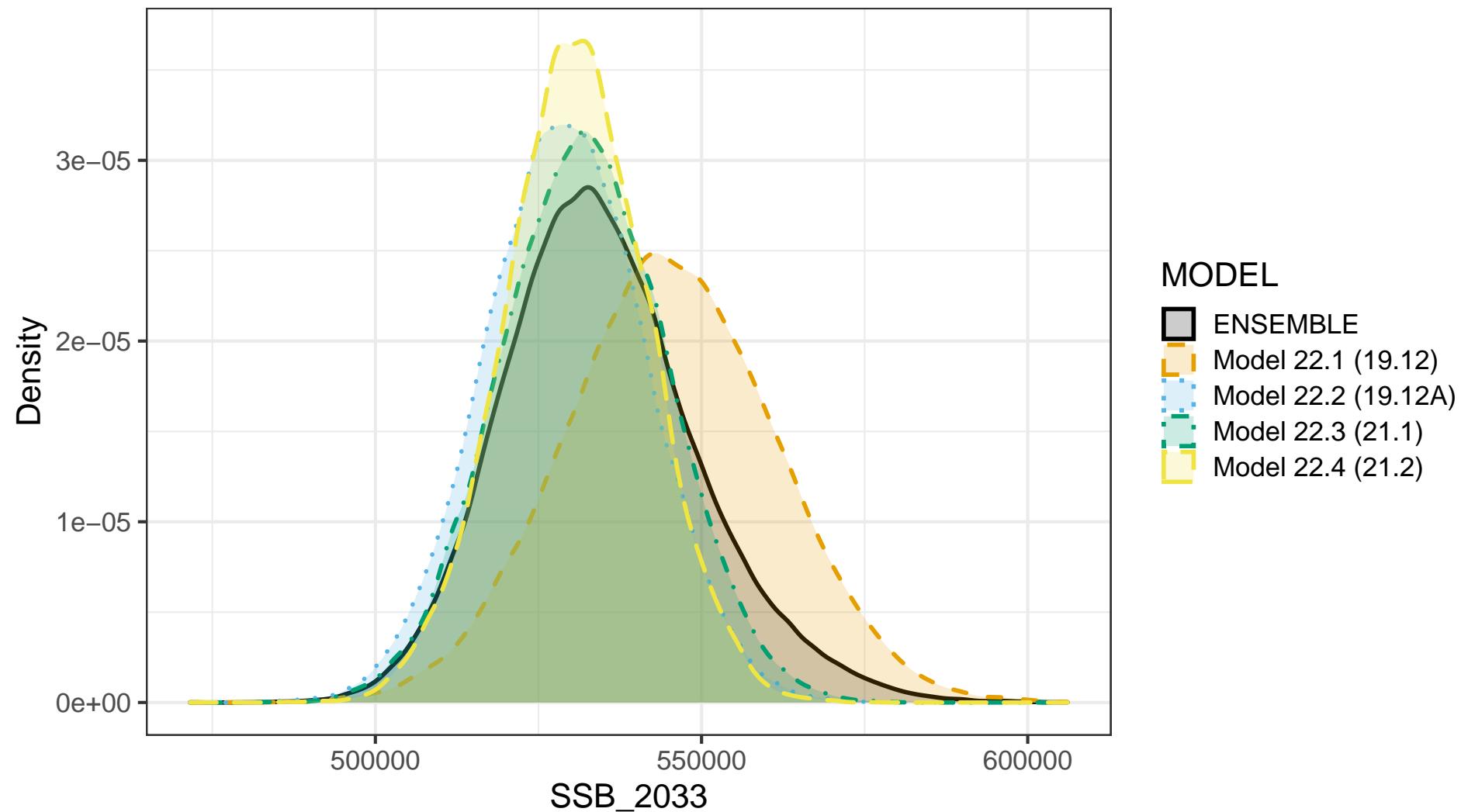
SSB_2031



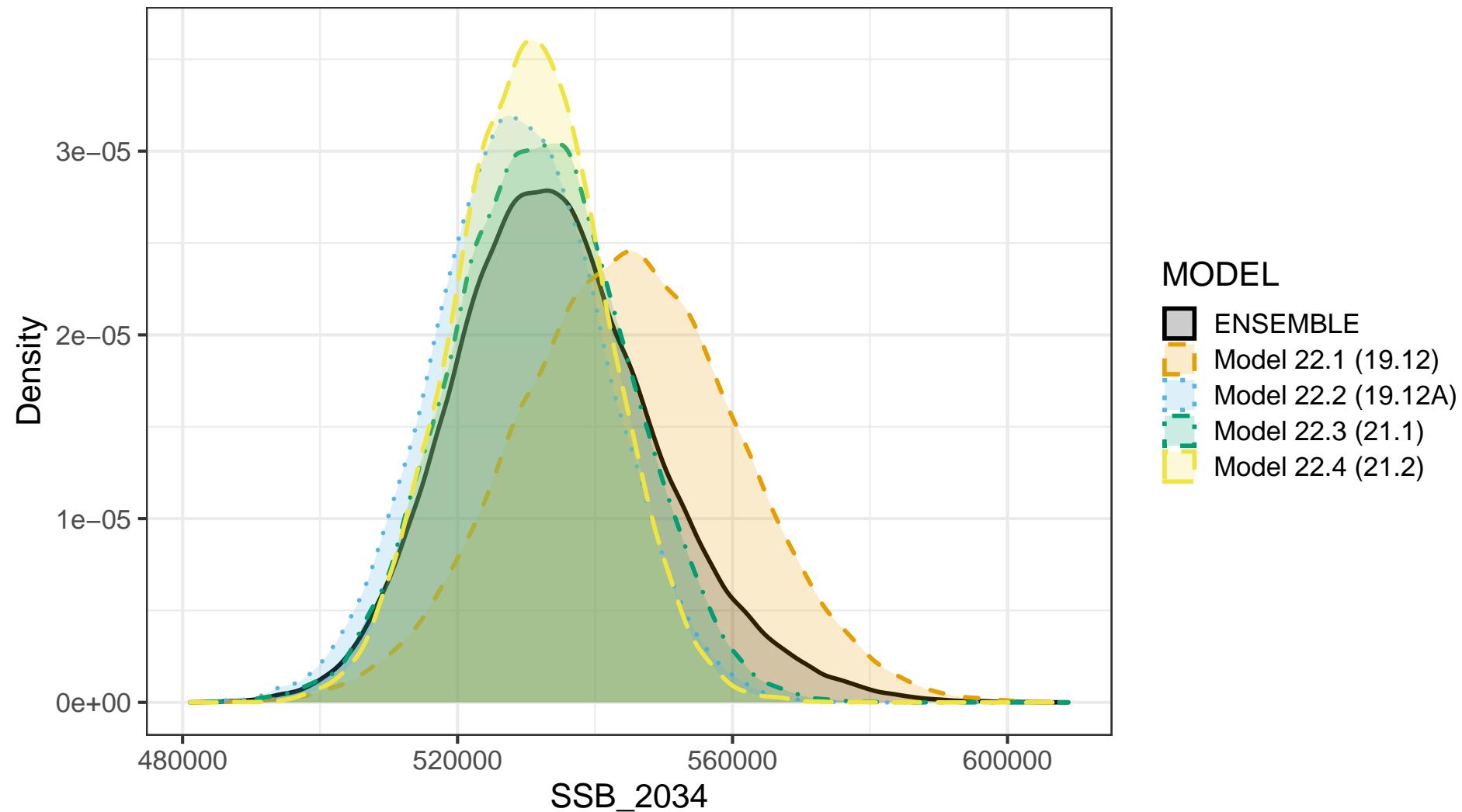
SSB_2032



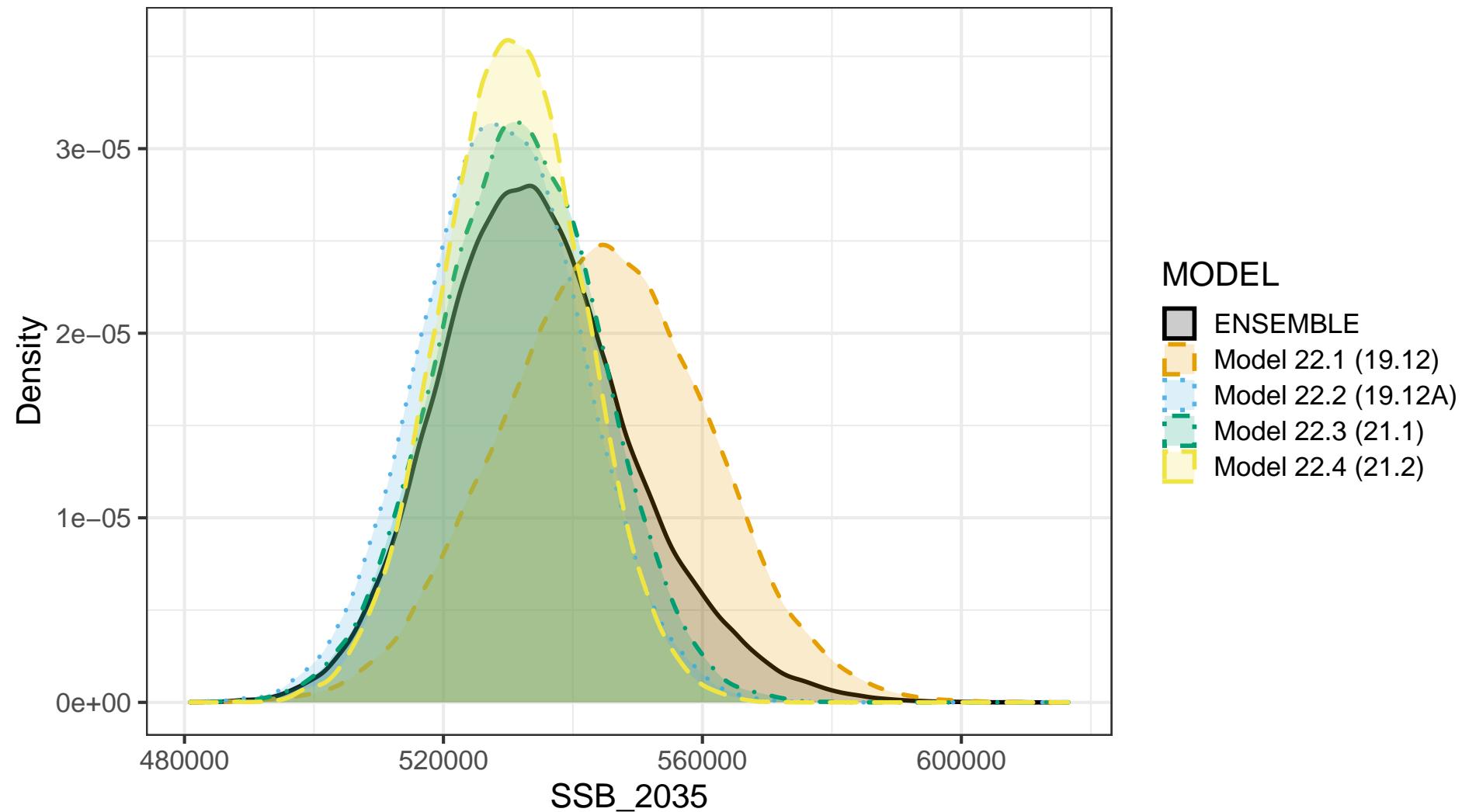
SSB_2033



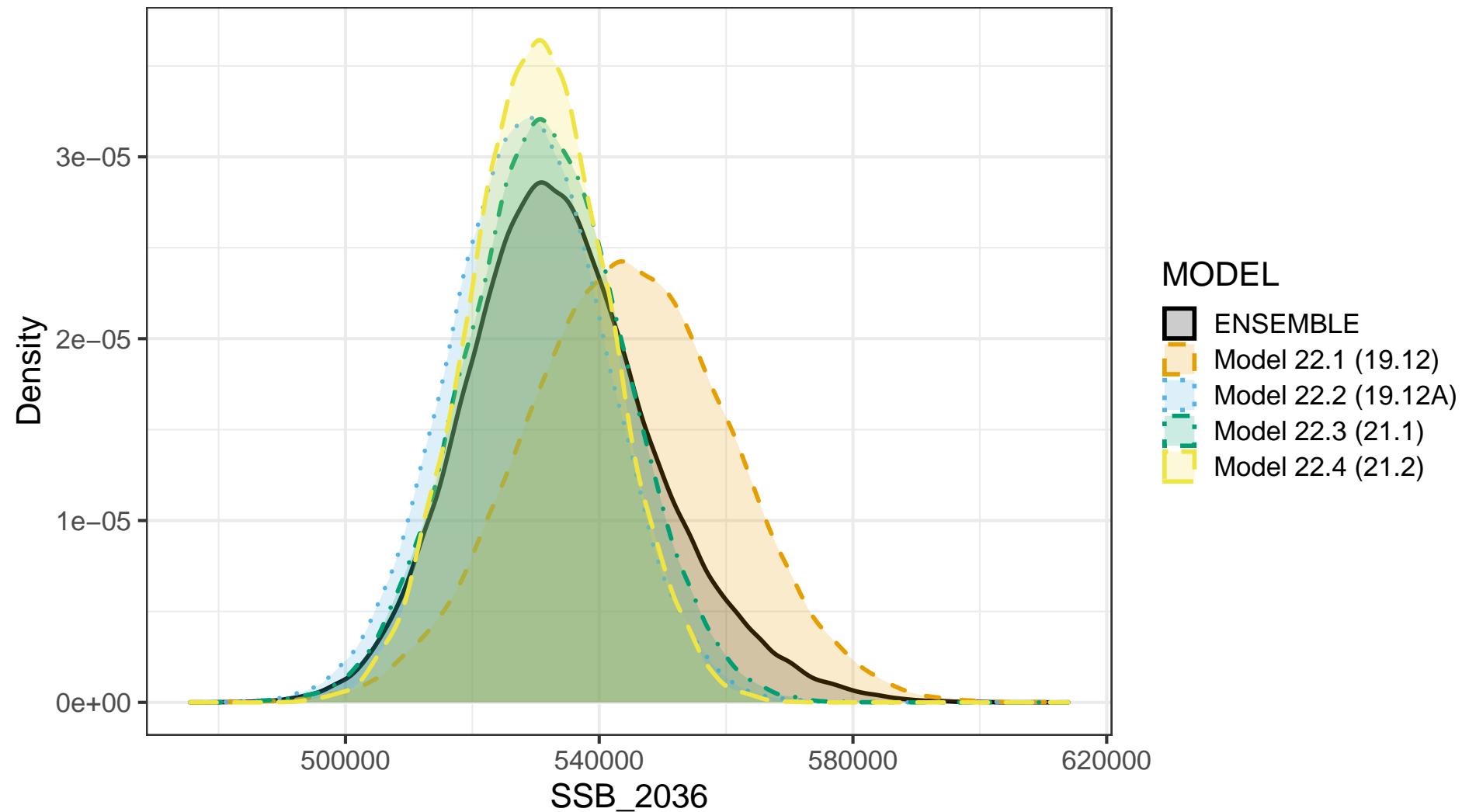
SSB_2034



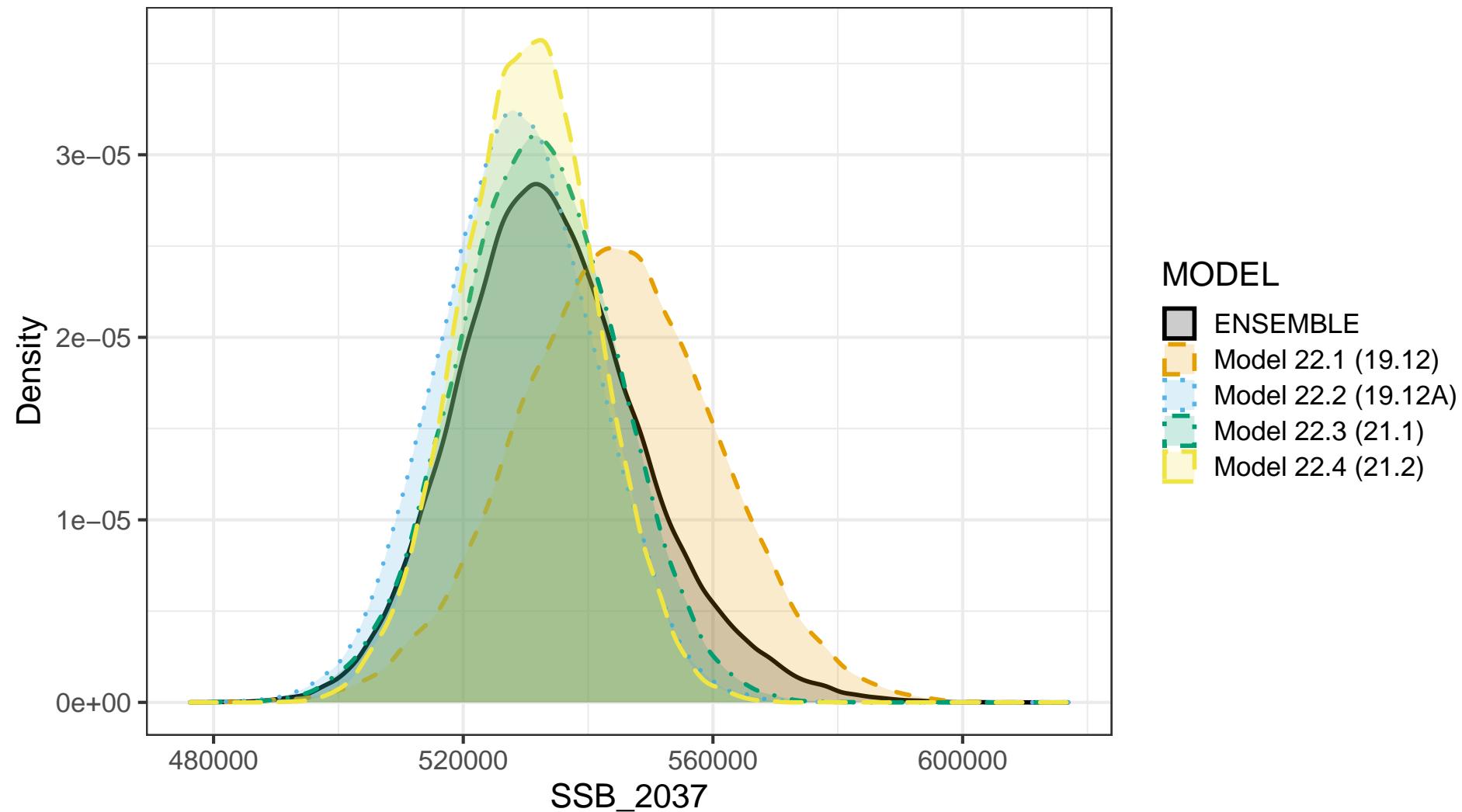
SSB_2035



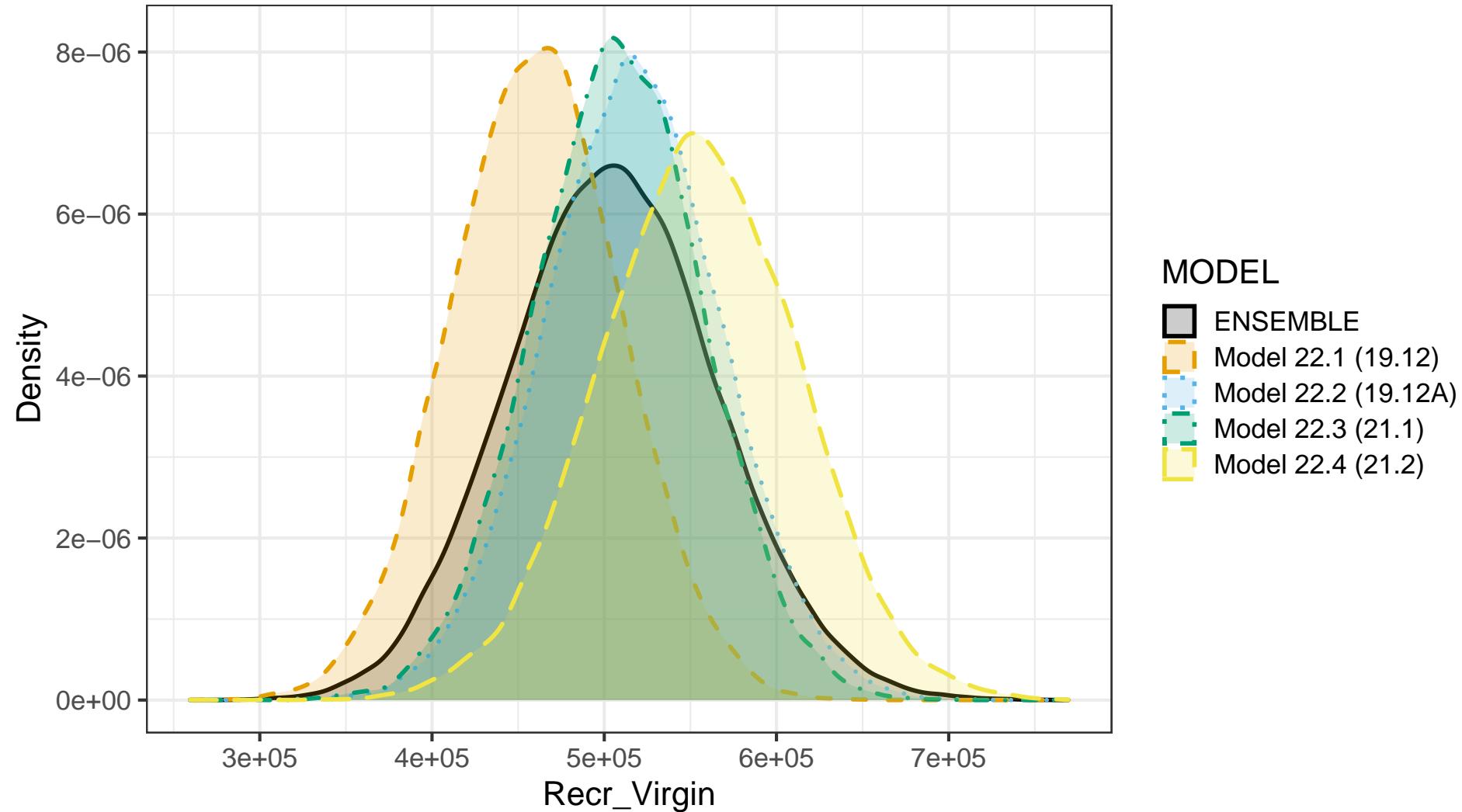
SSB_2036



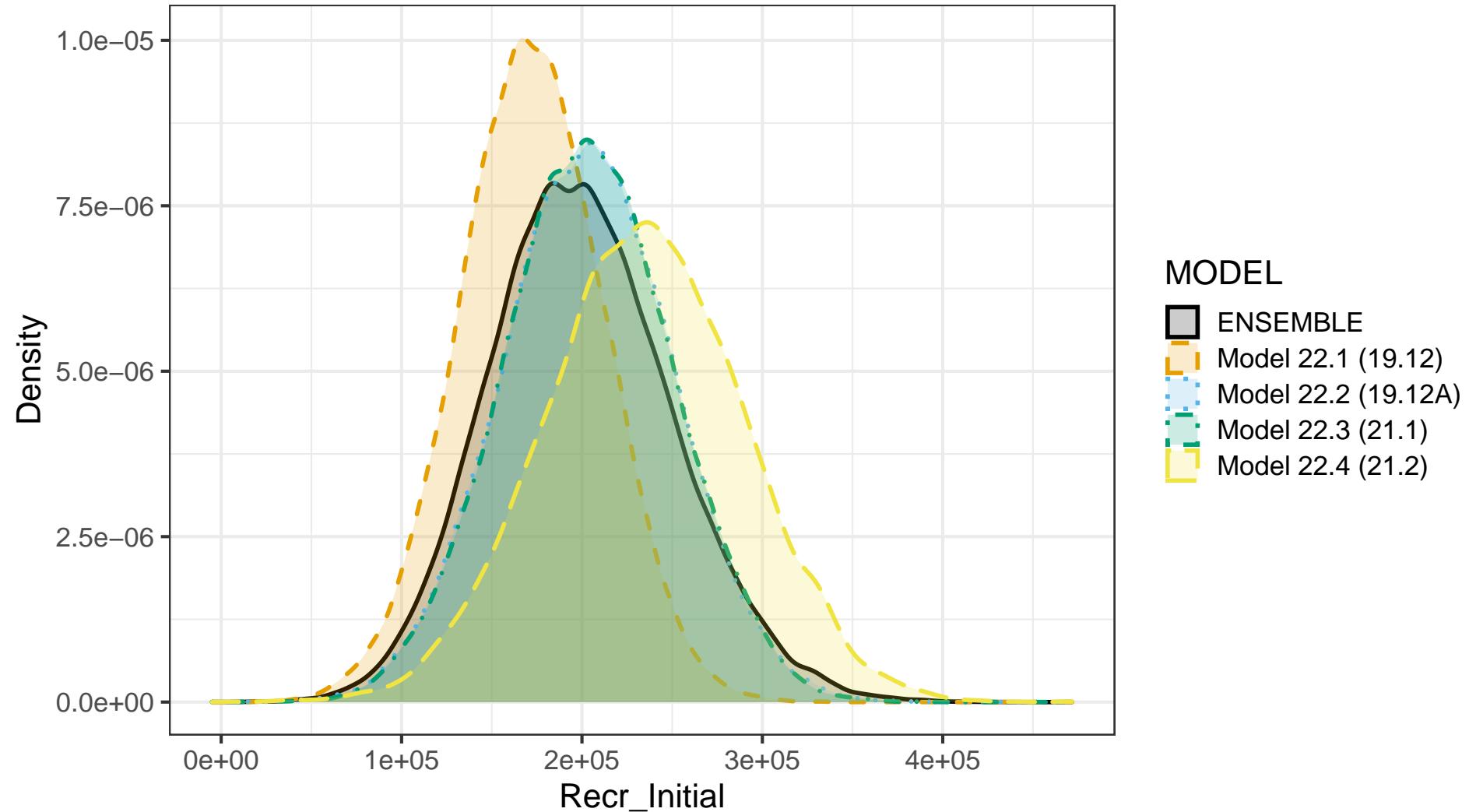
SSB_2037



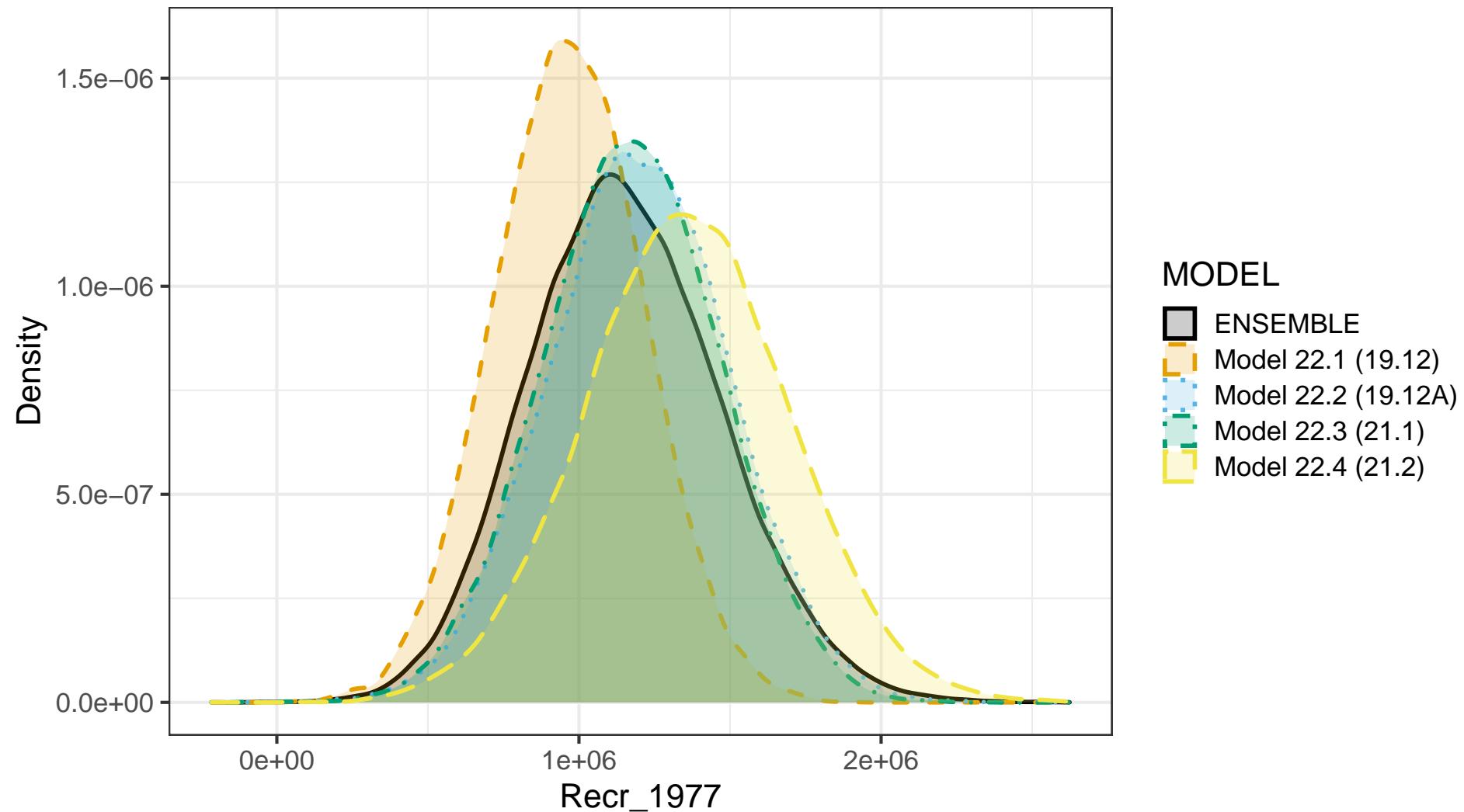
Recr_Virgin



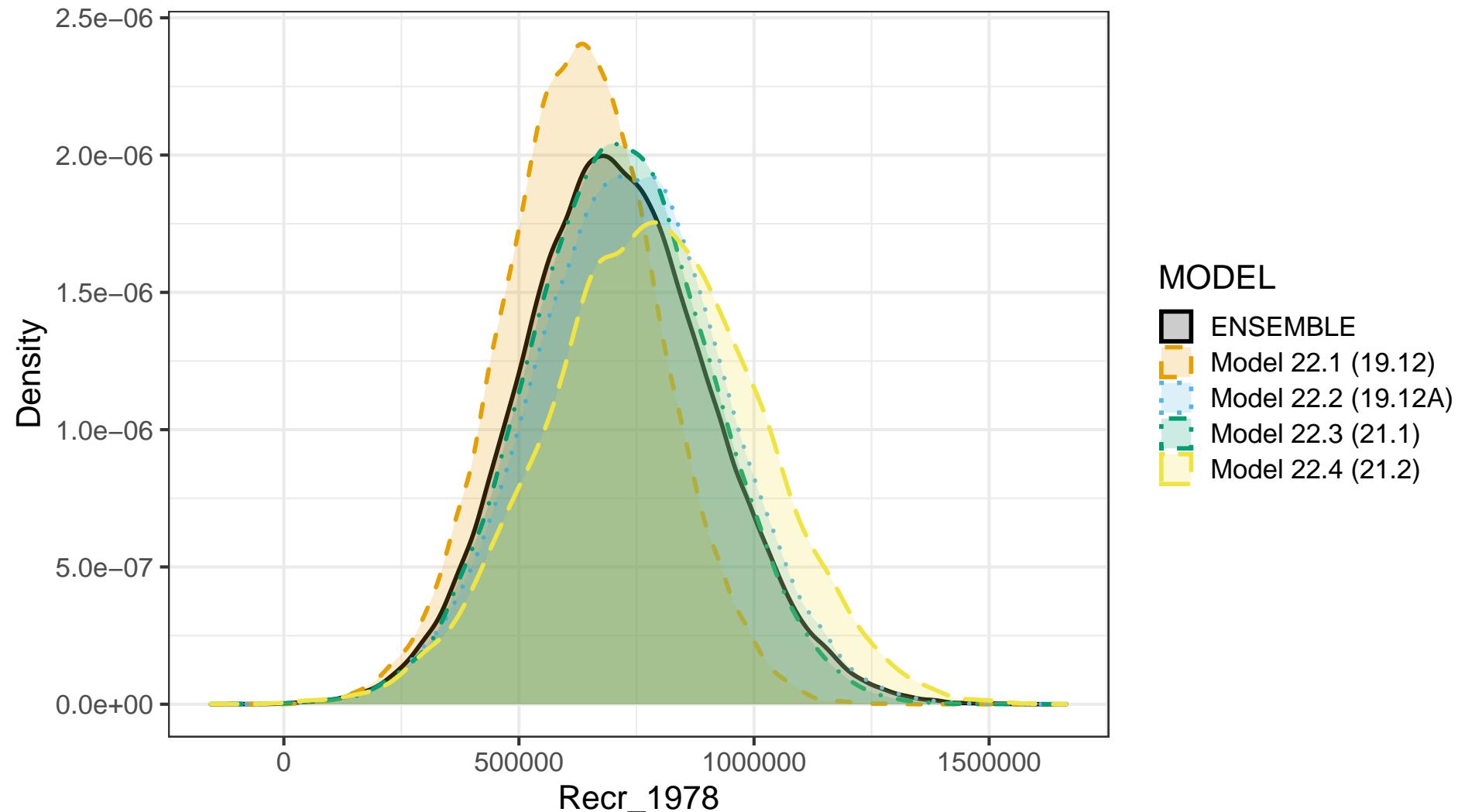
Recr_Initial



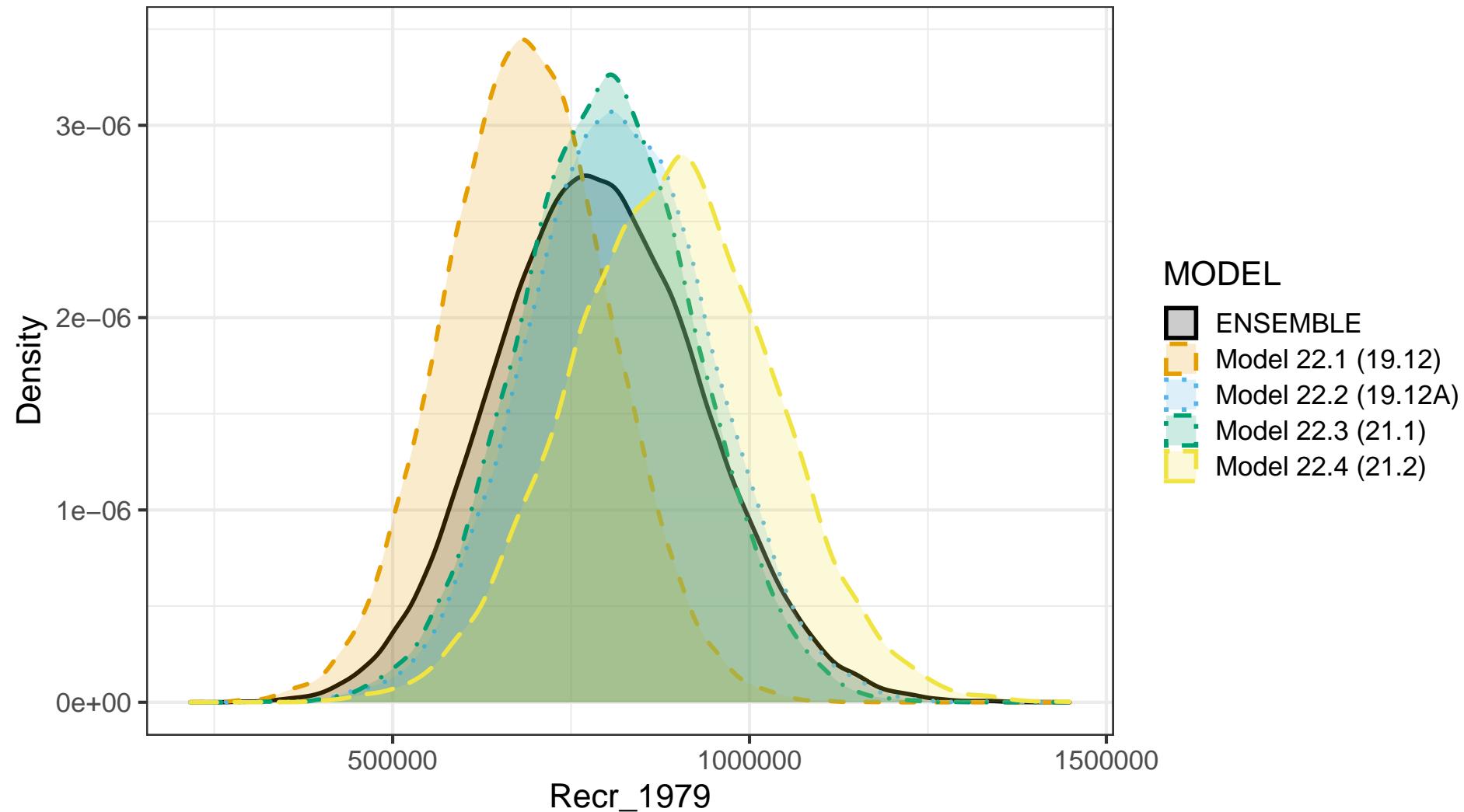
Recr_1977



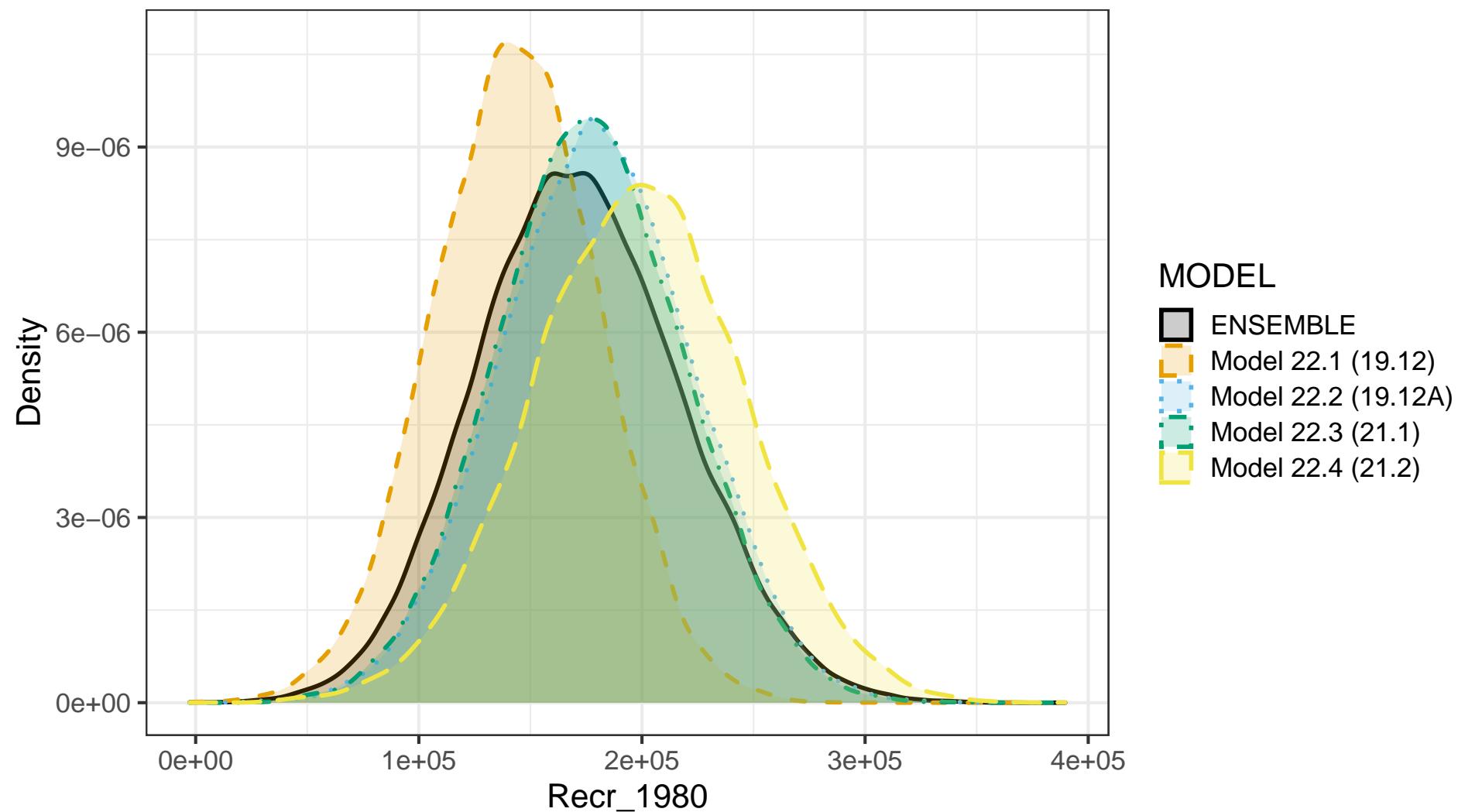
Recr_1978



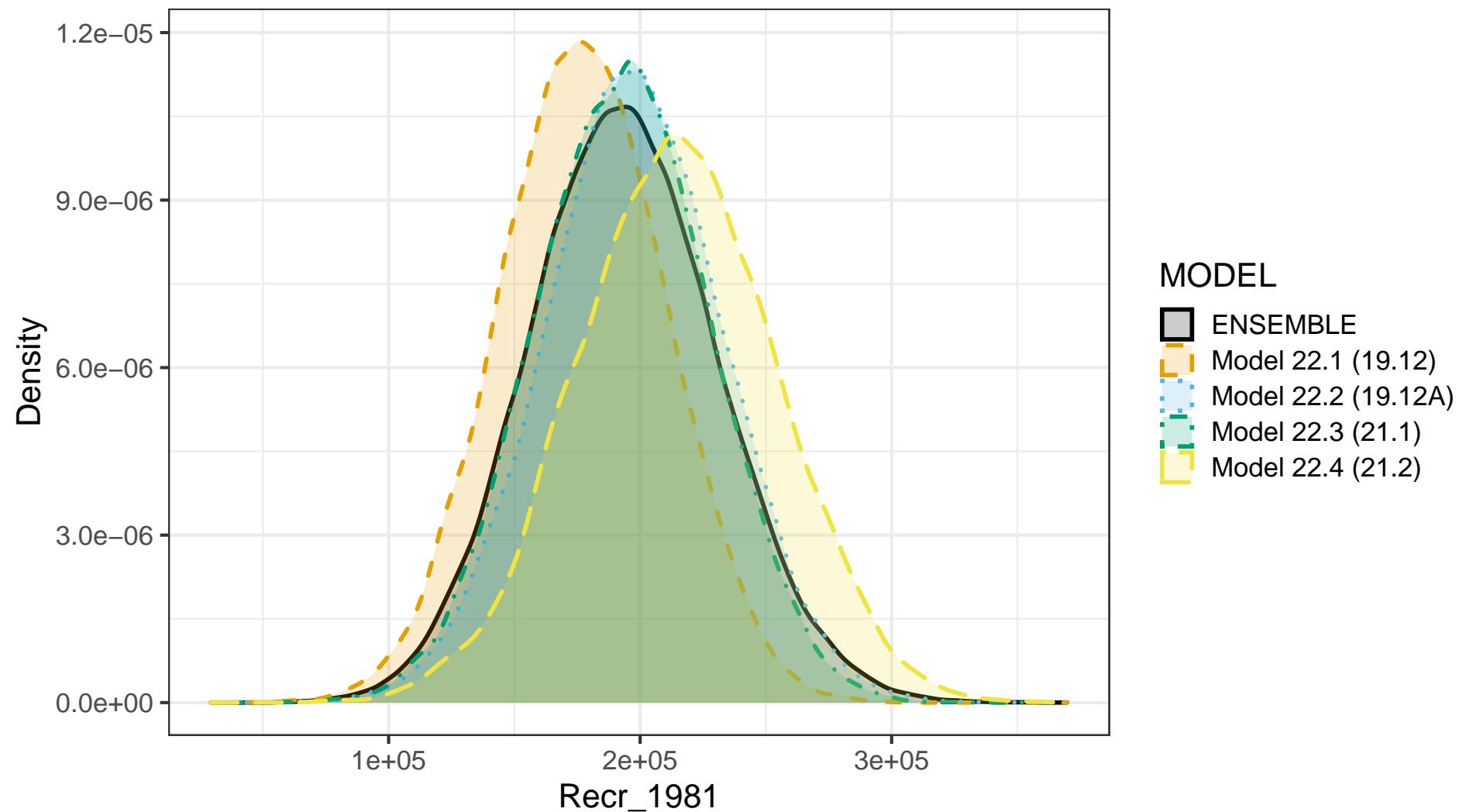
Recr_1979



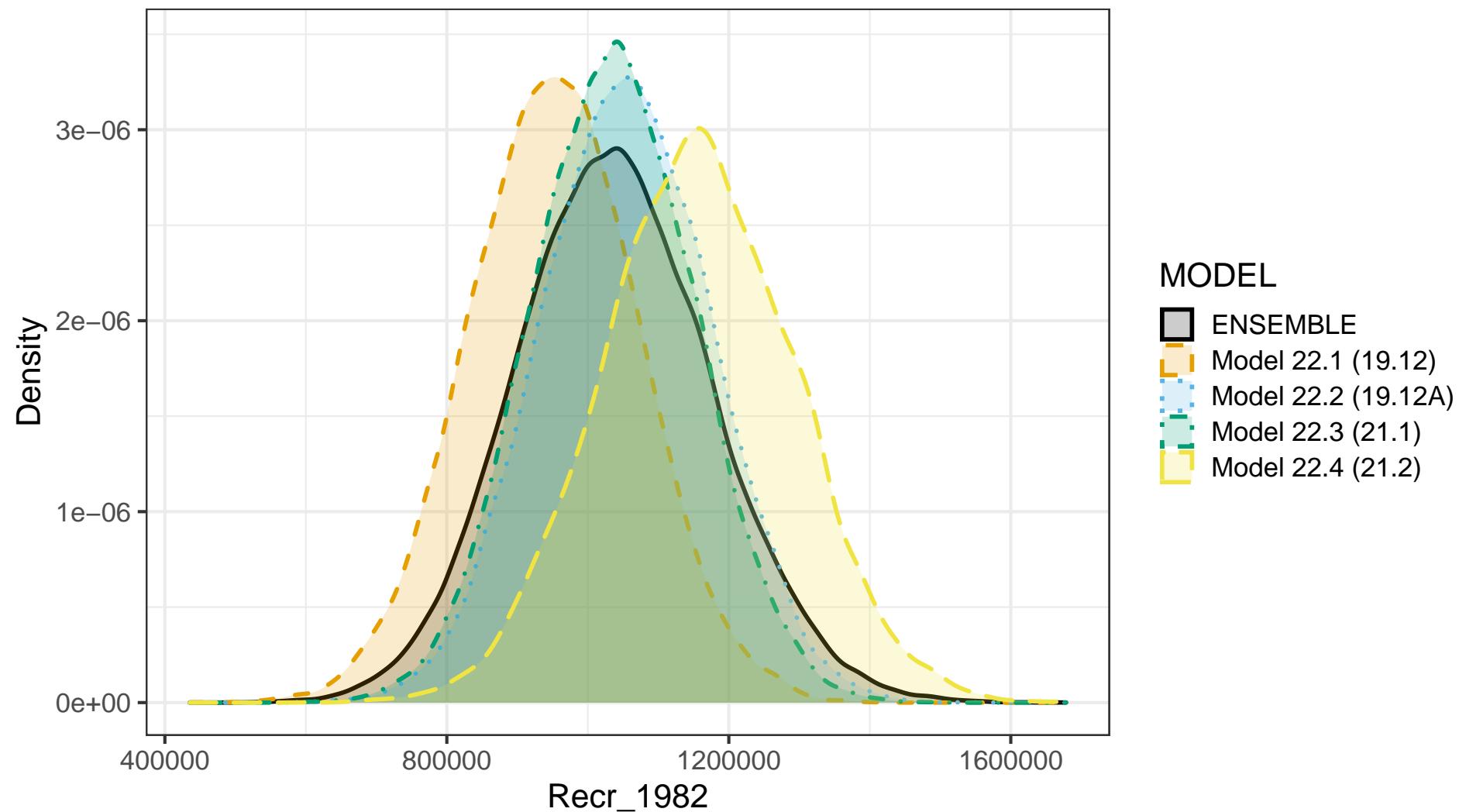
Recr_1980



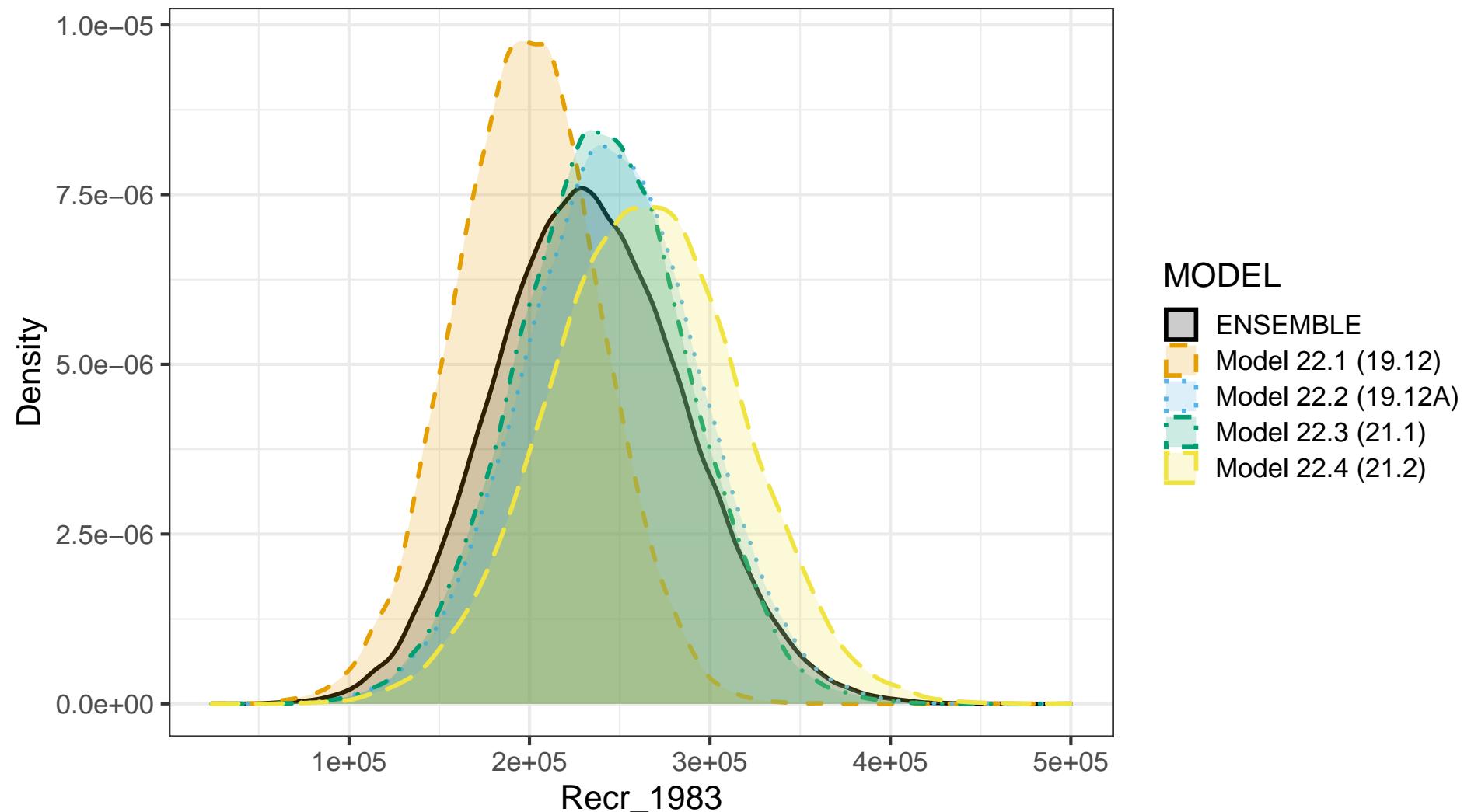
Recr_1981



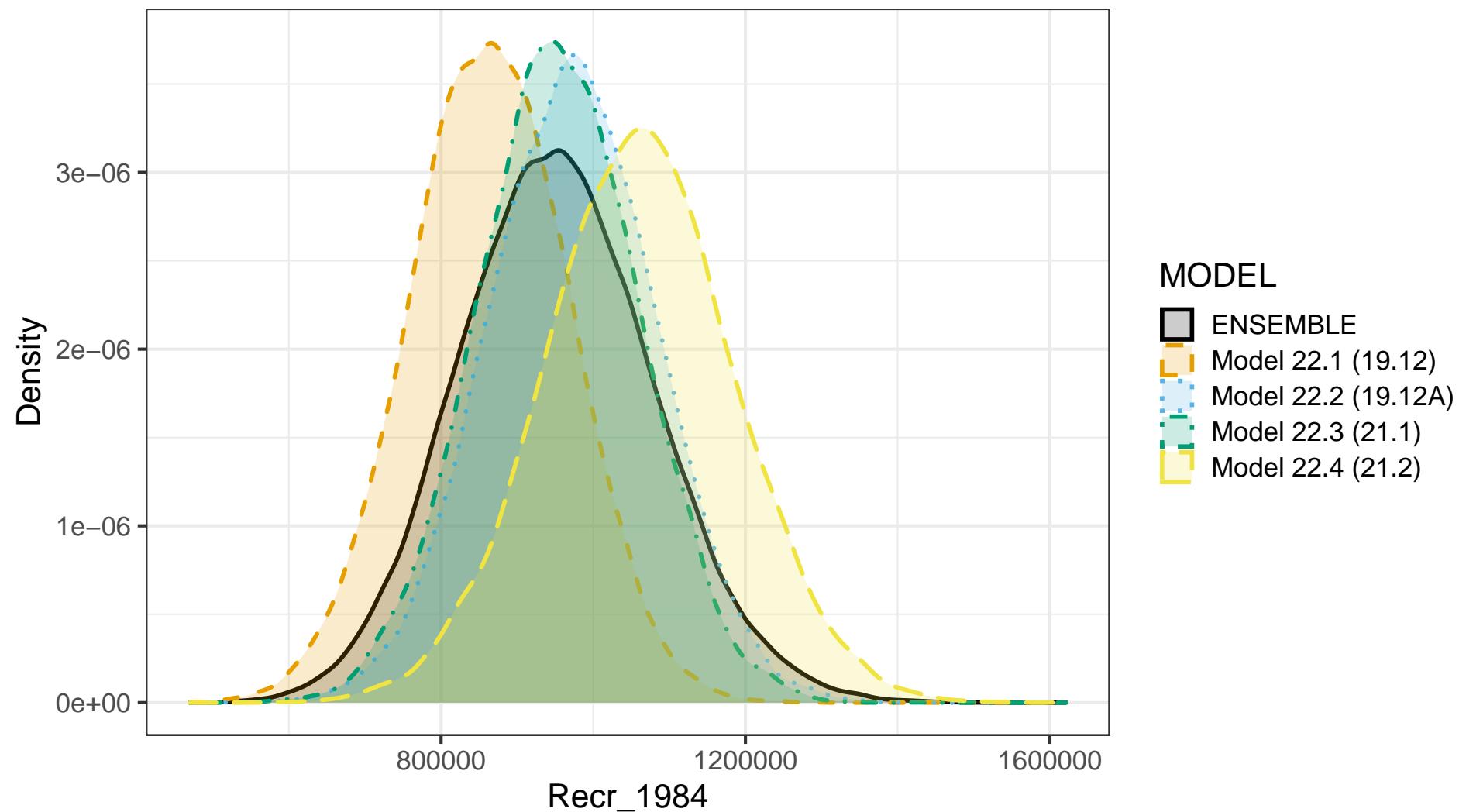
Recr_1982



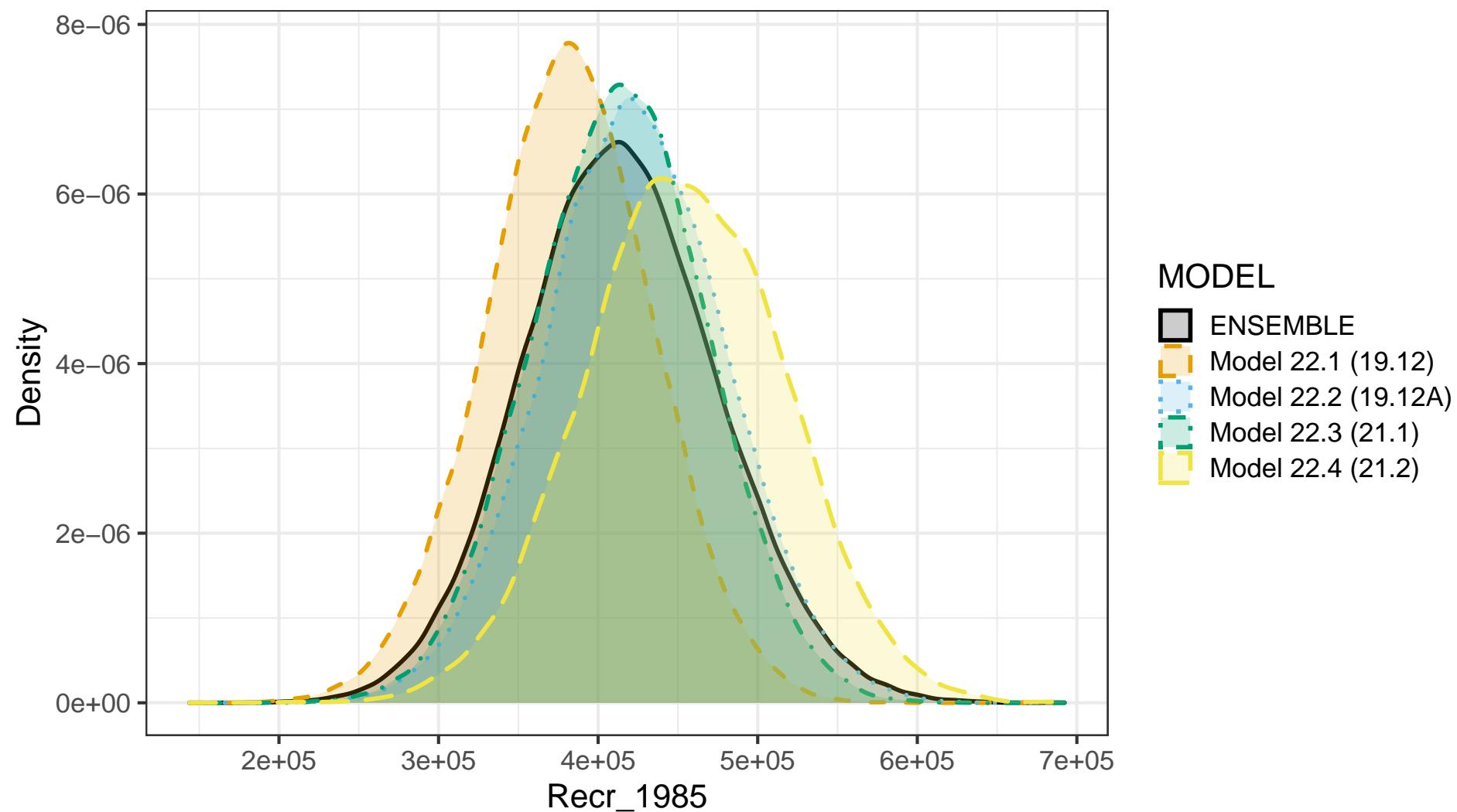
Recr_1983



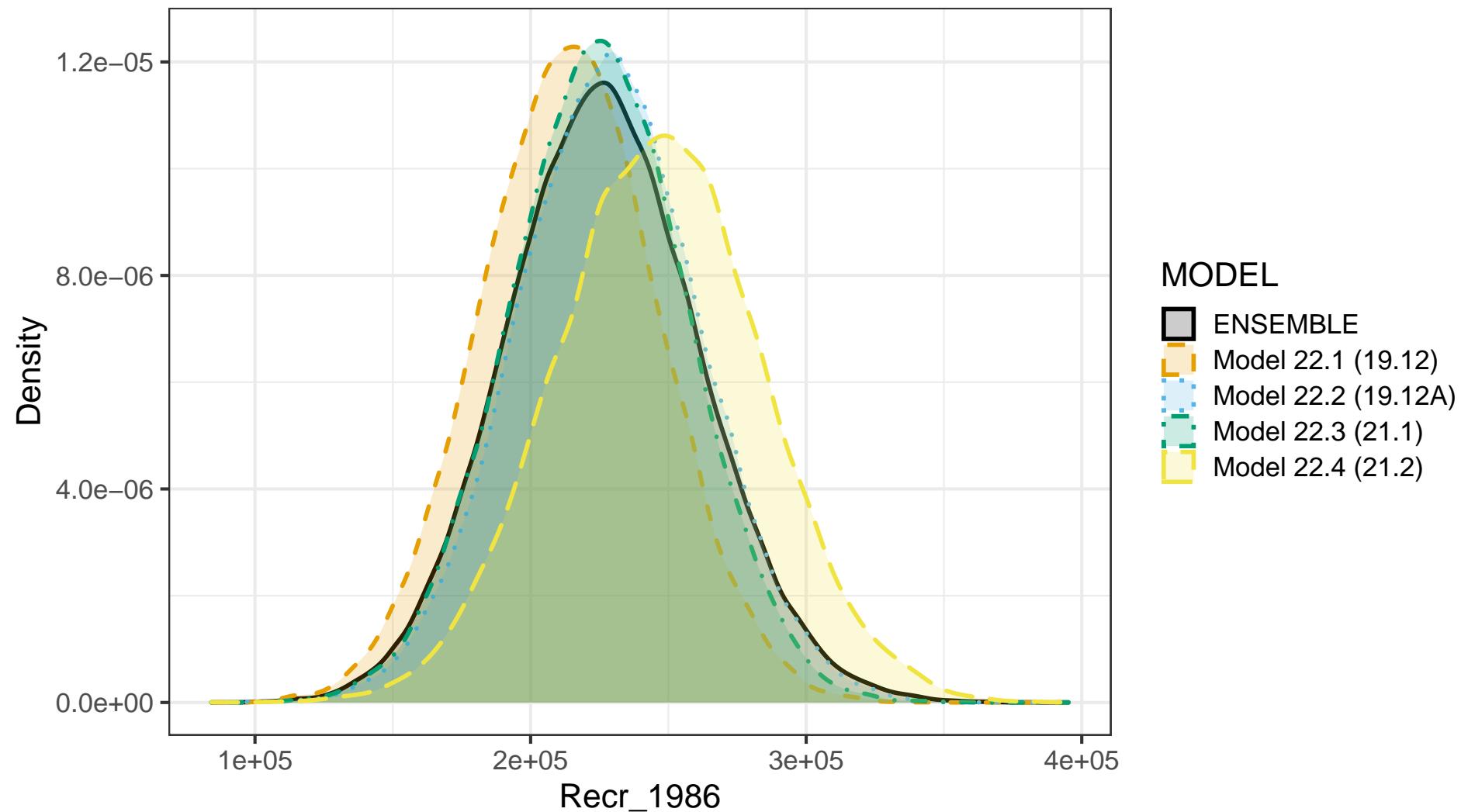
Recr_1984



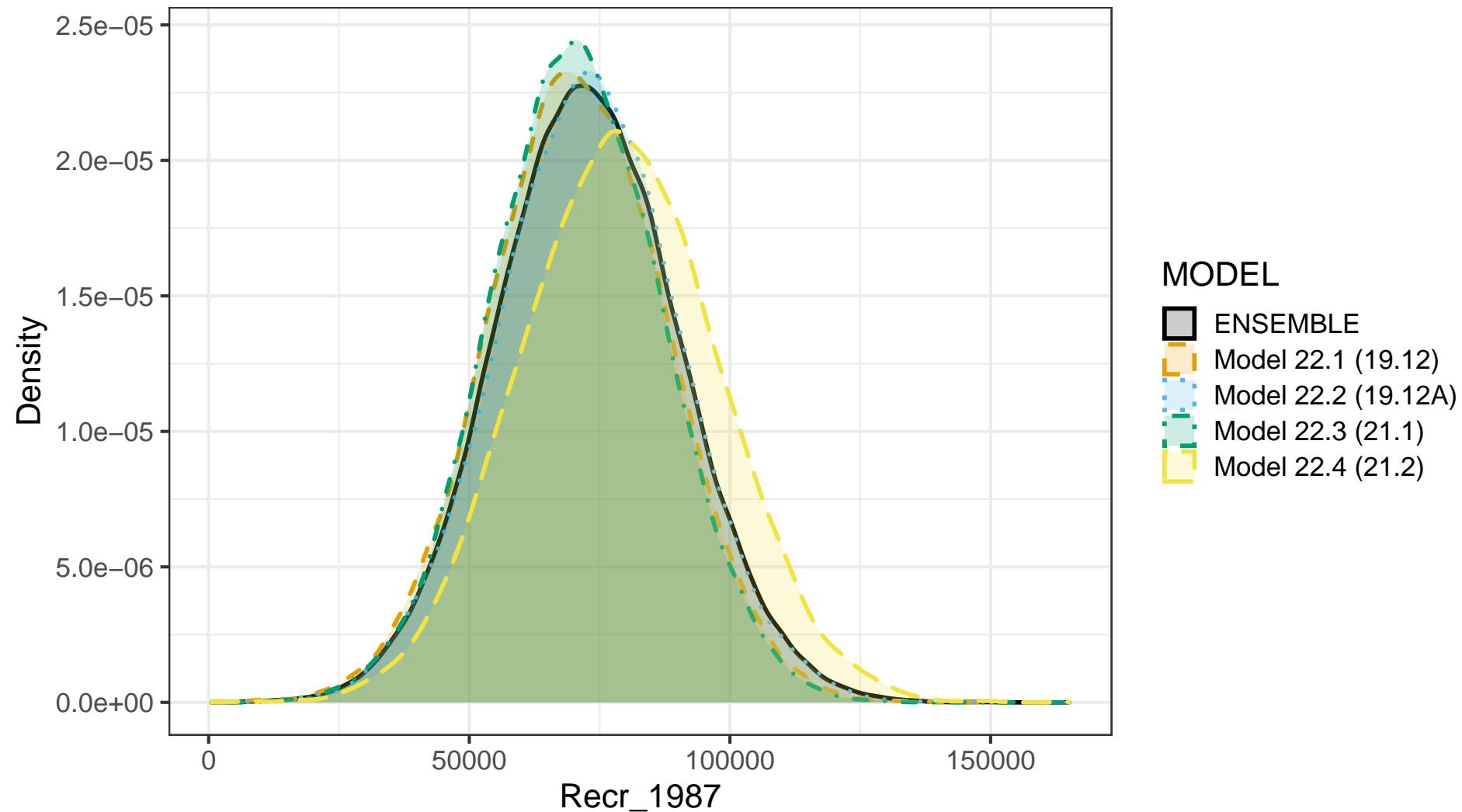
Recr_1985



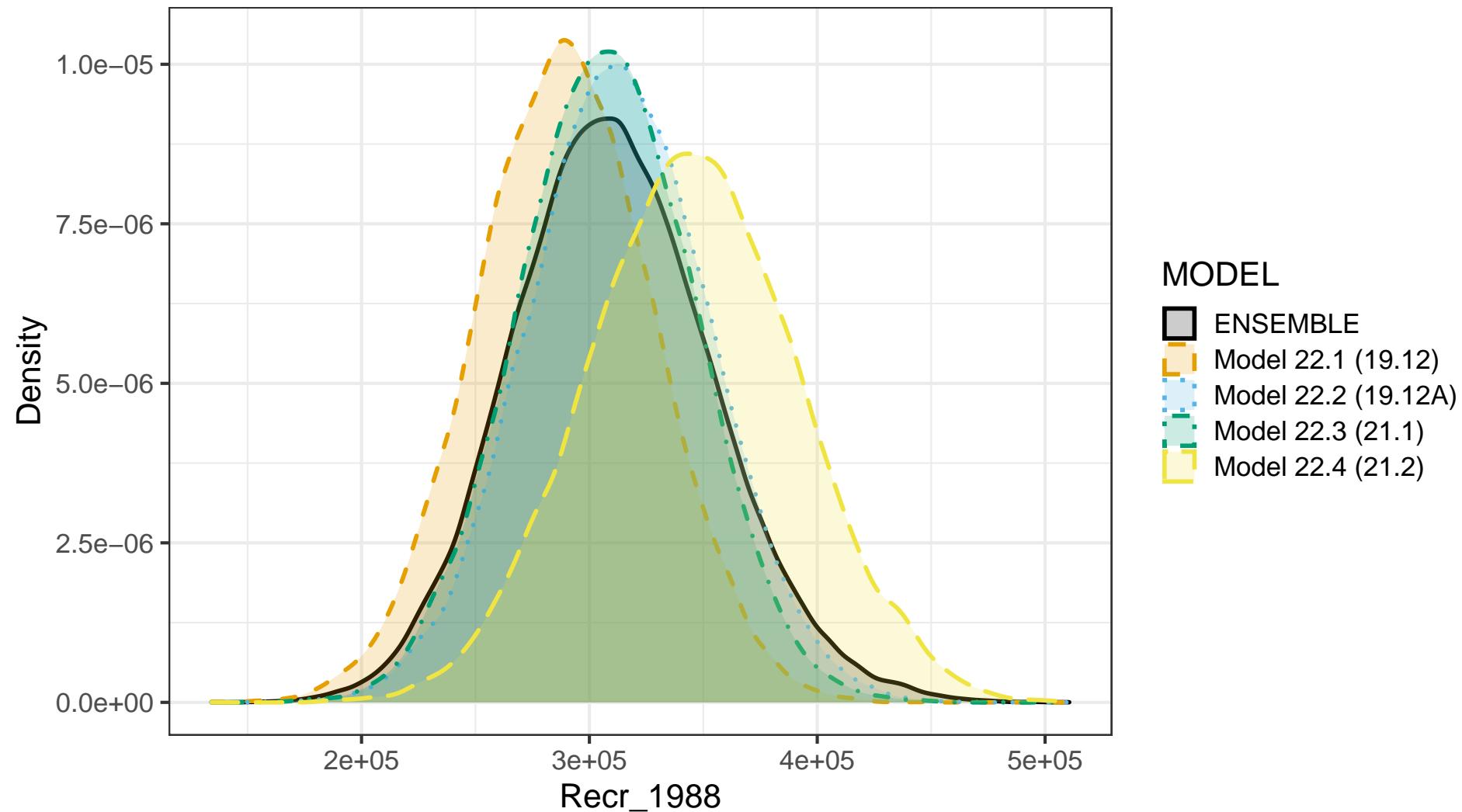
Recr_1986



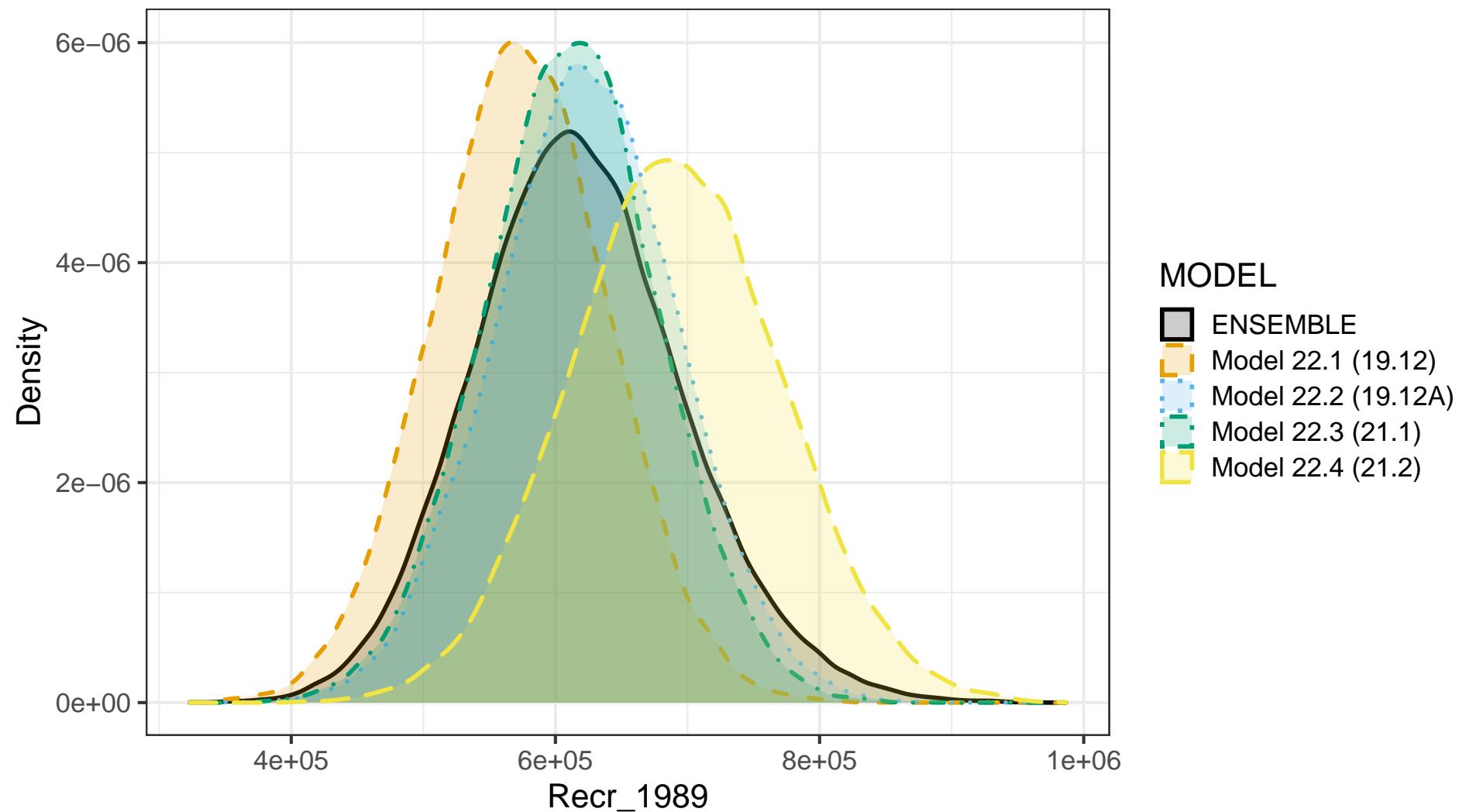
Recr_1987



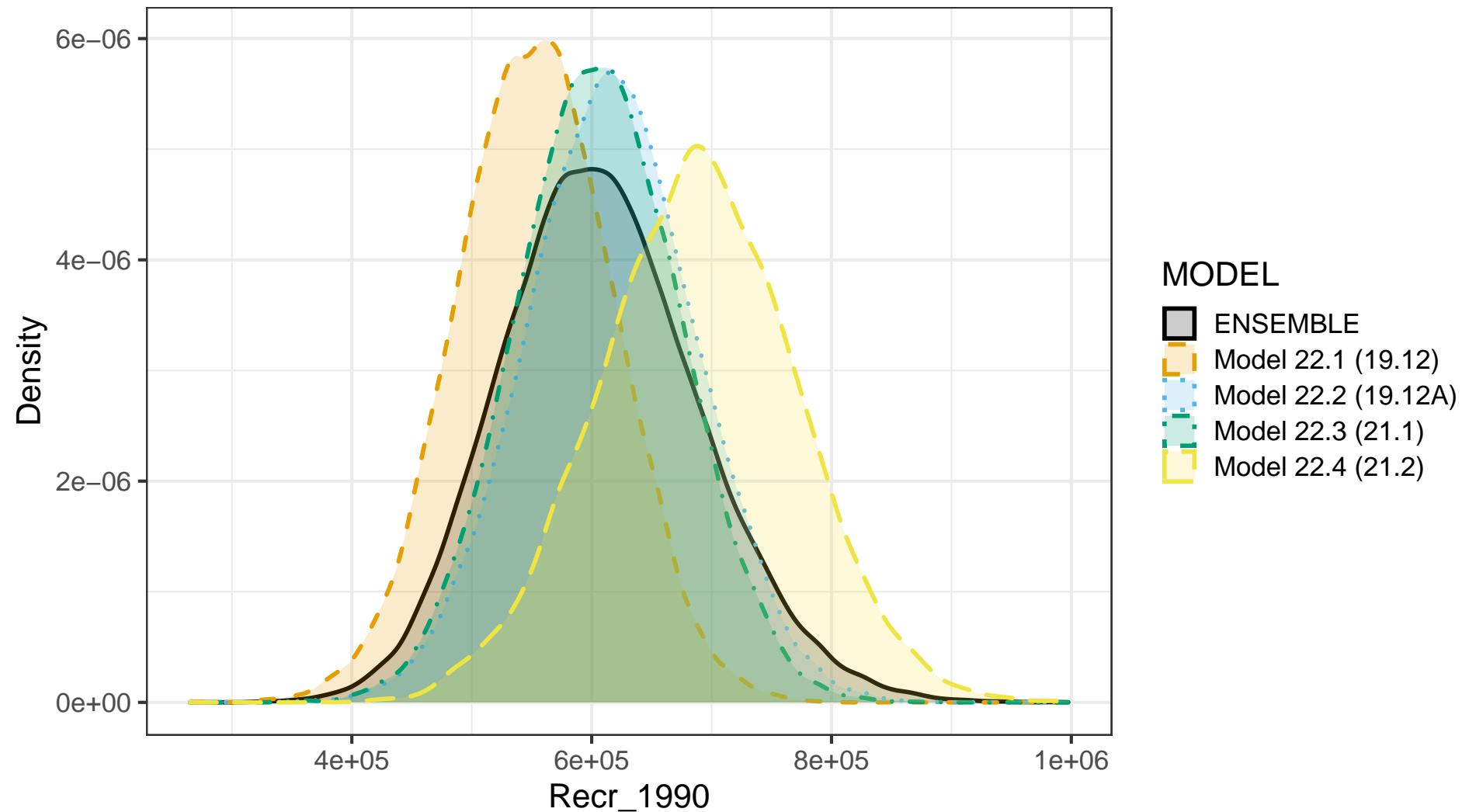
Recr_1988



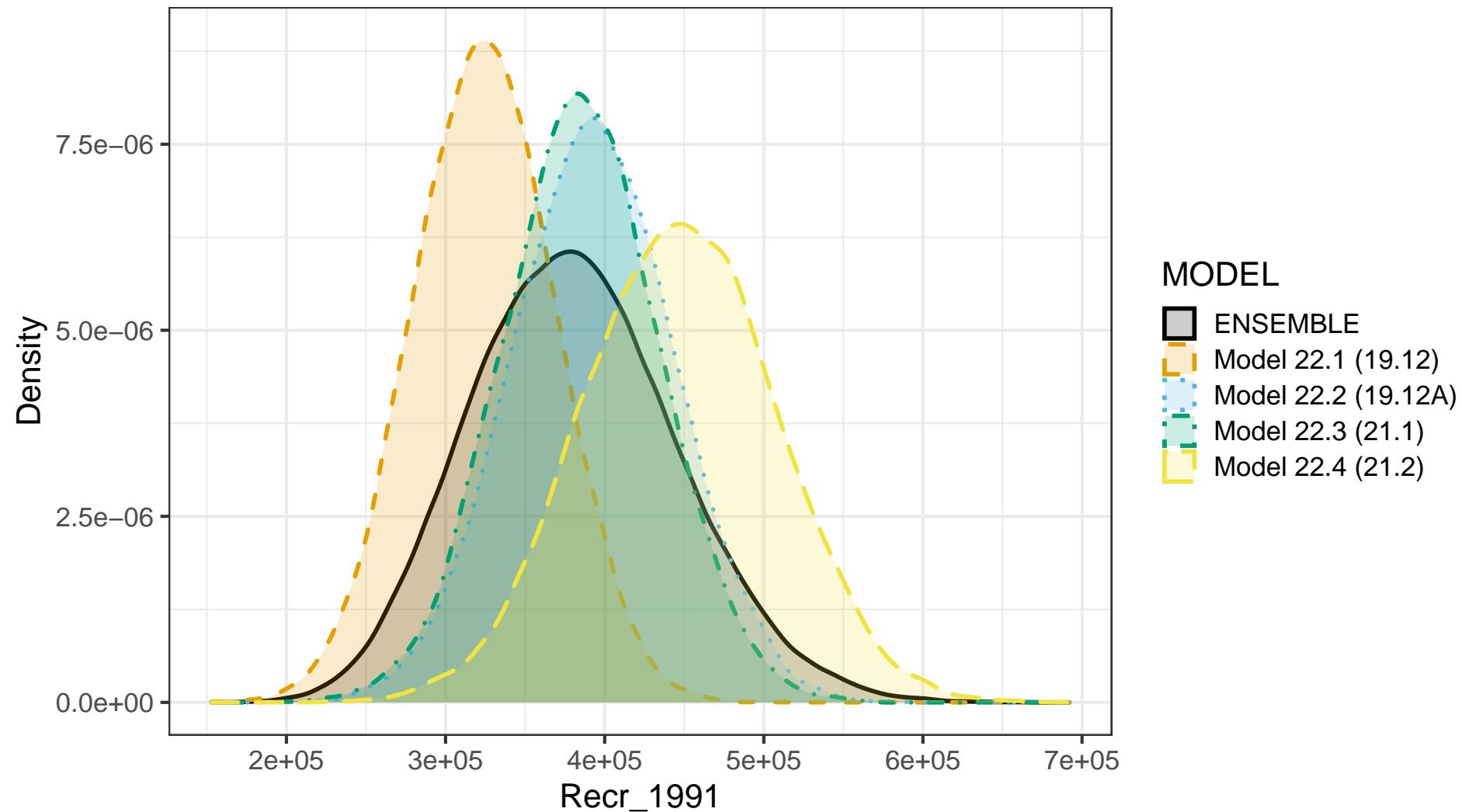
Recr_1989



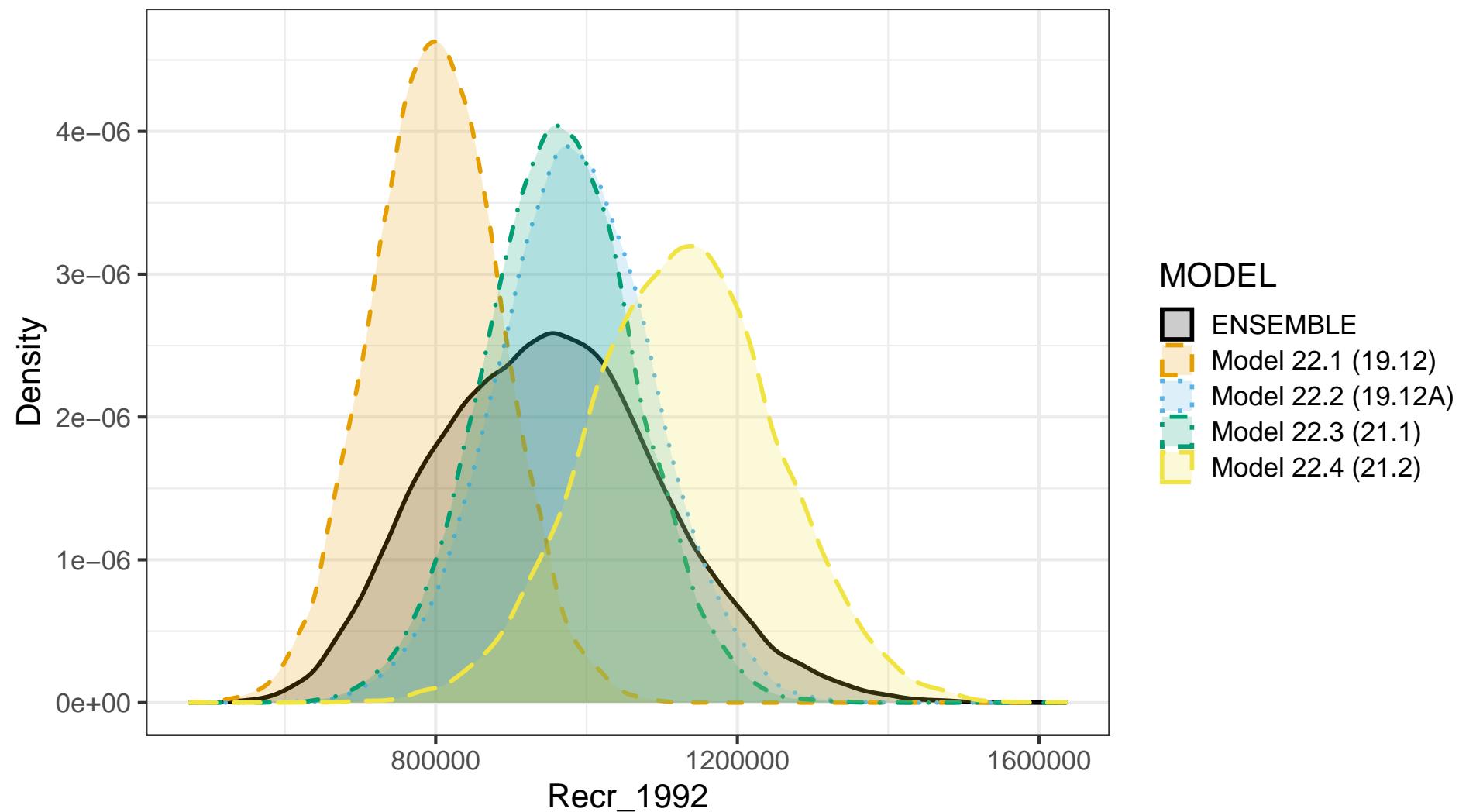
Recr_1990



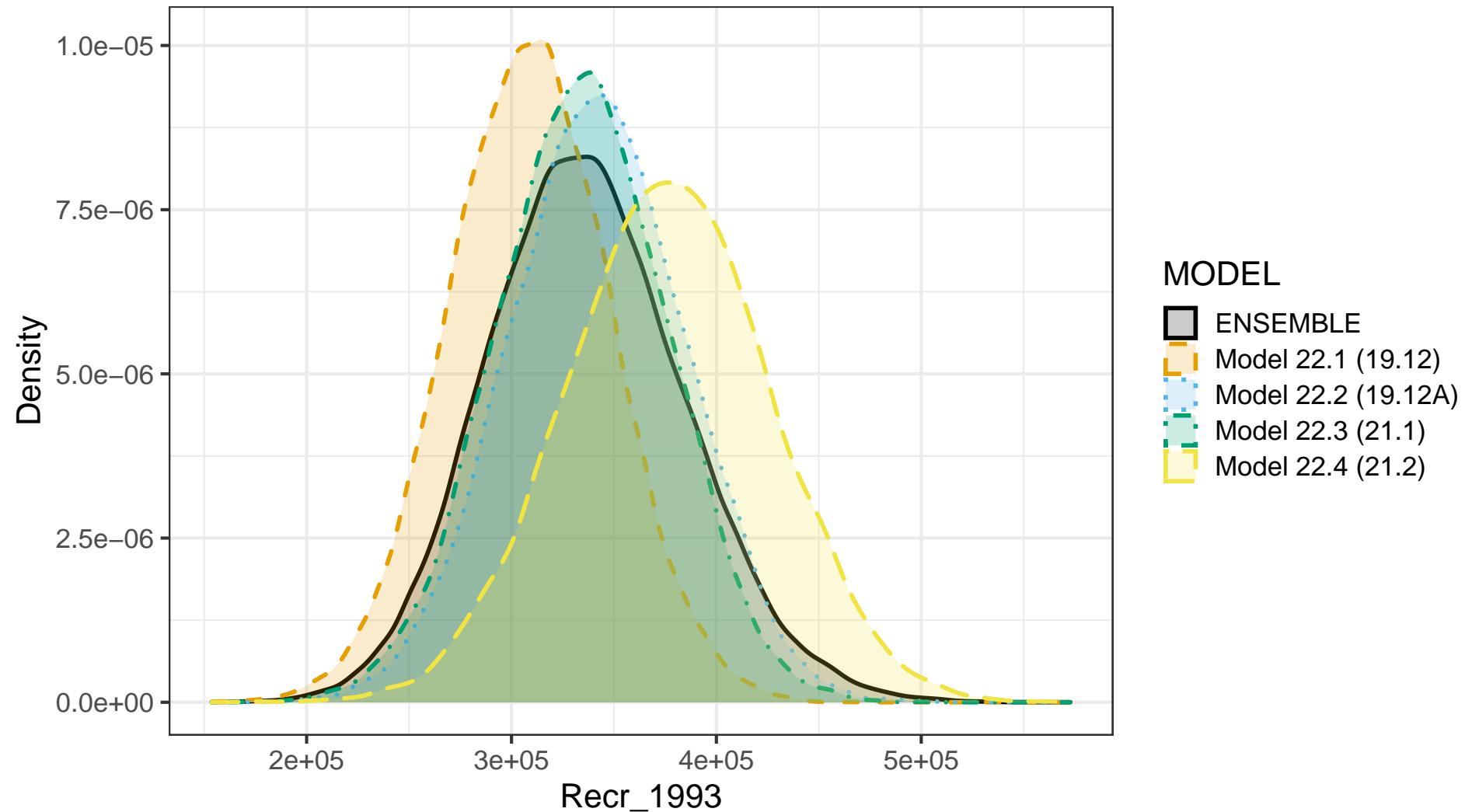
Recr_1991



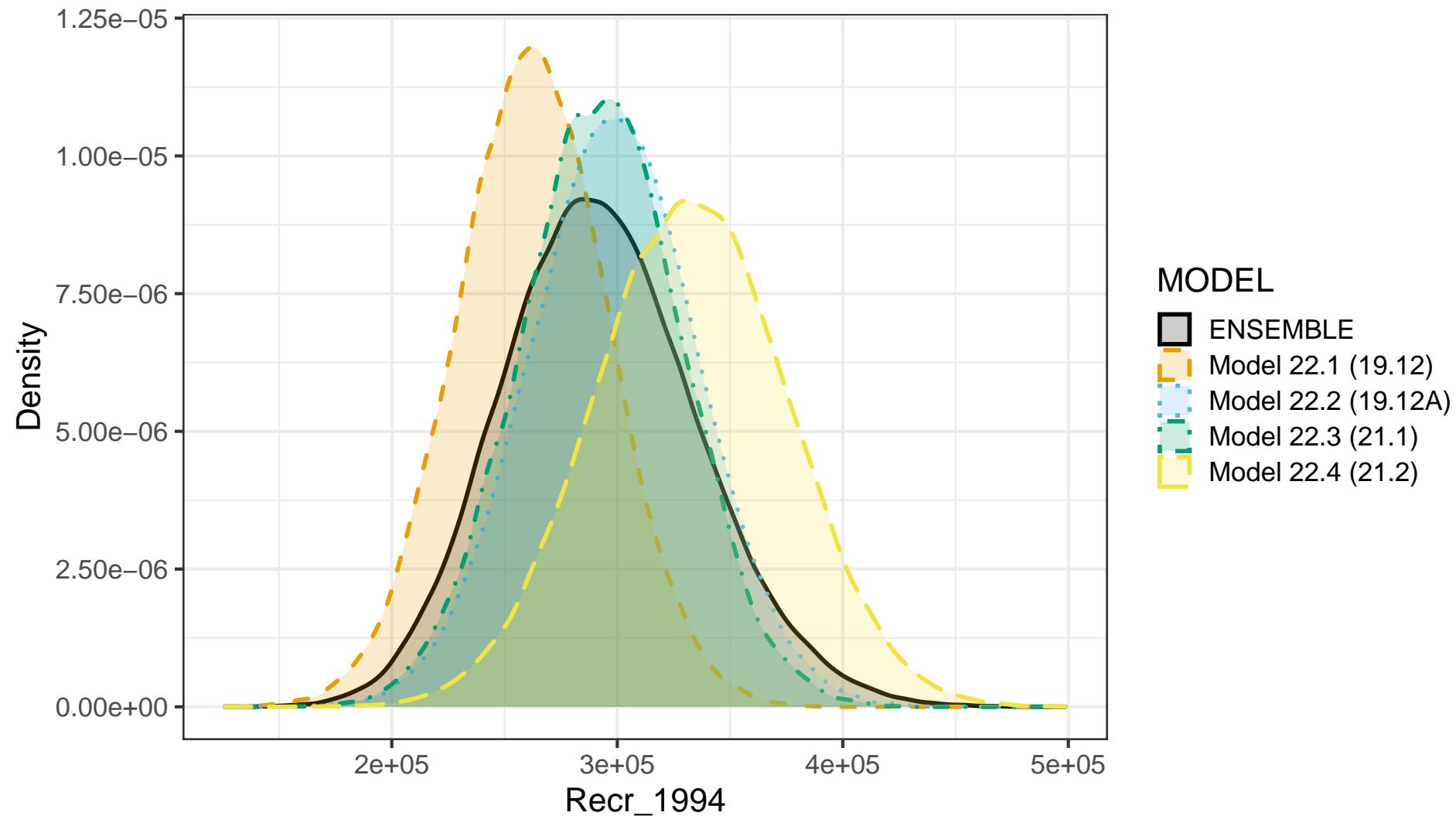
Recr_1992



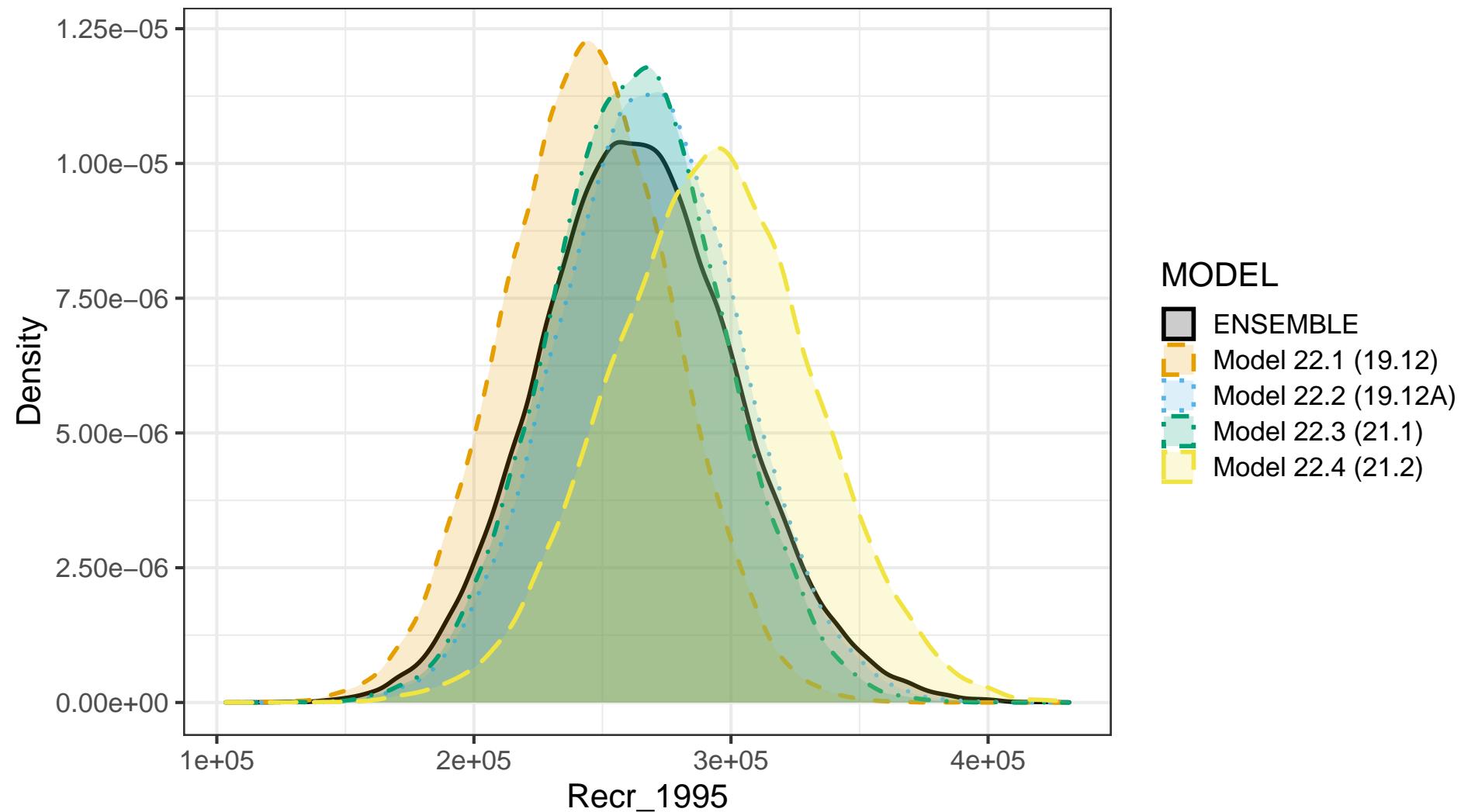
Recr_1993



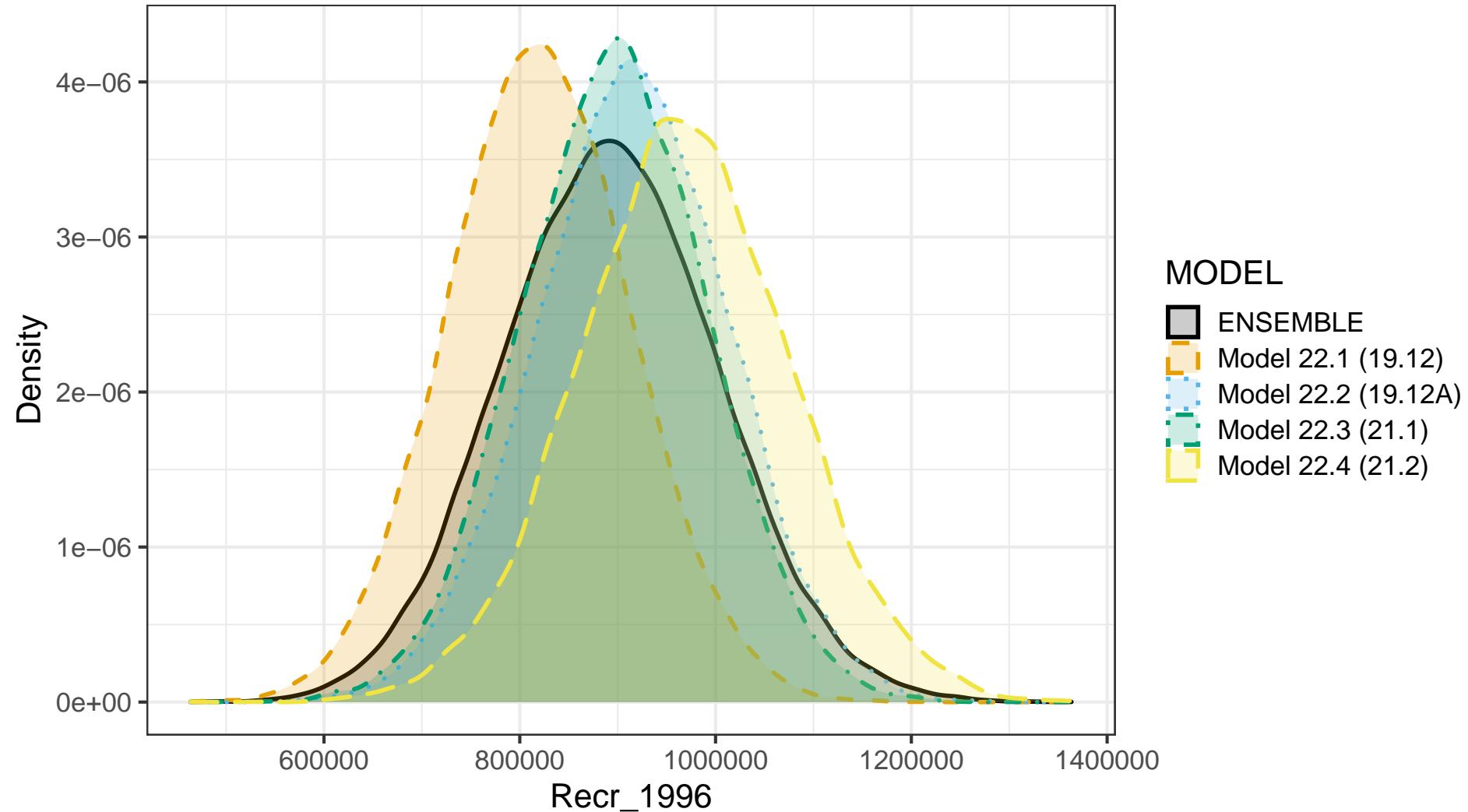
Recr_1994



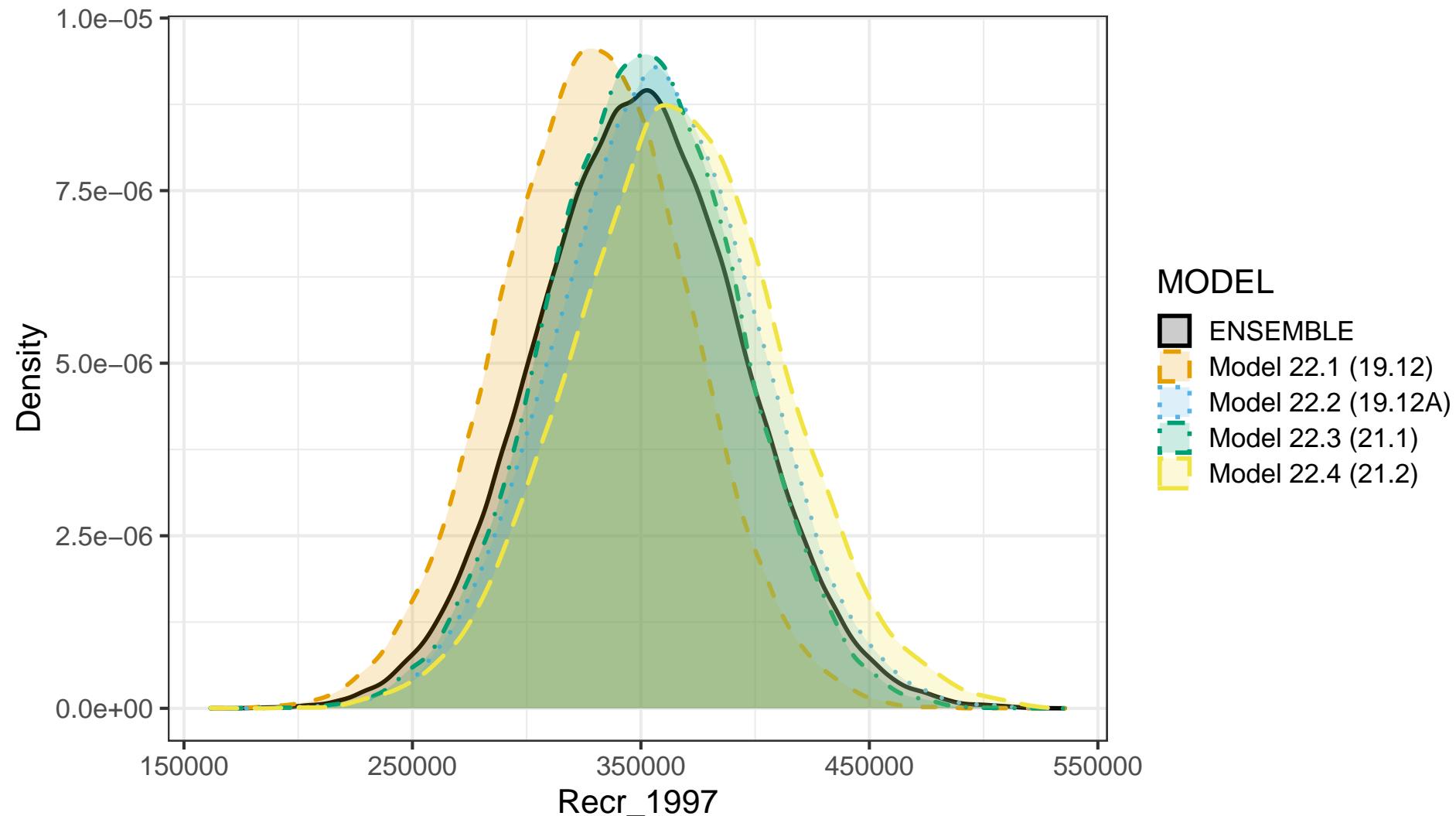
Recr_1995



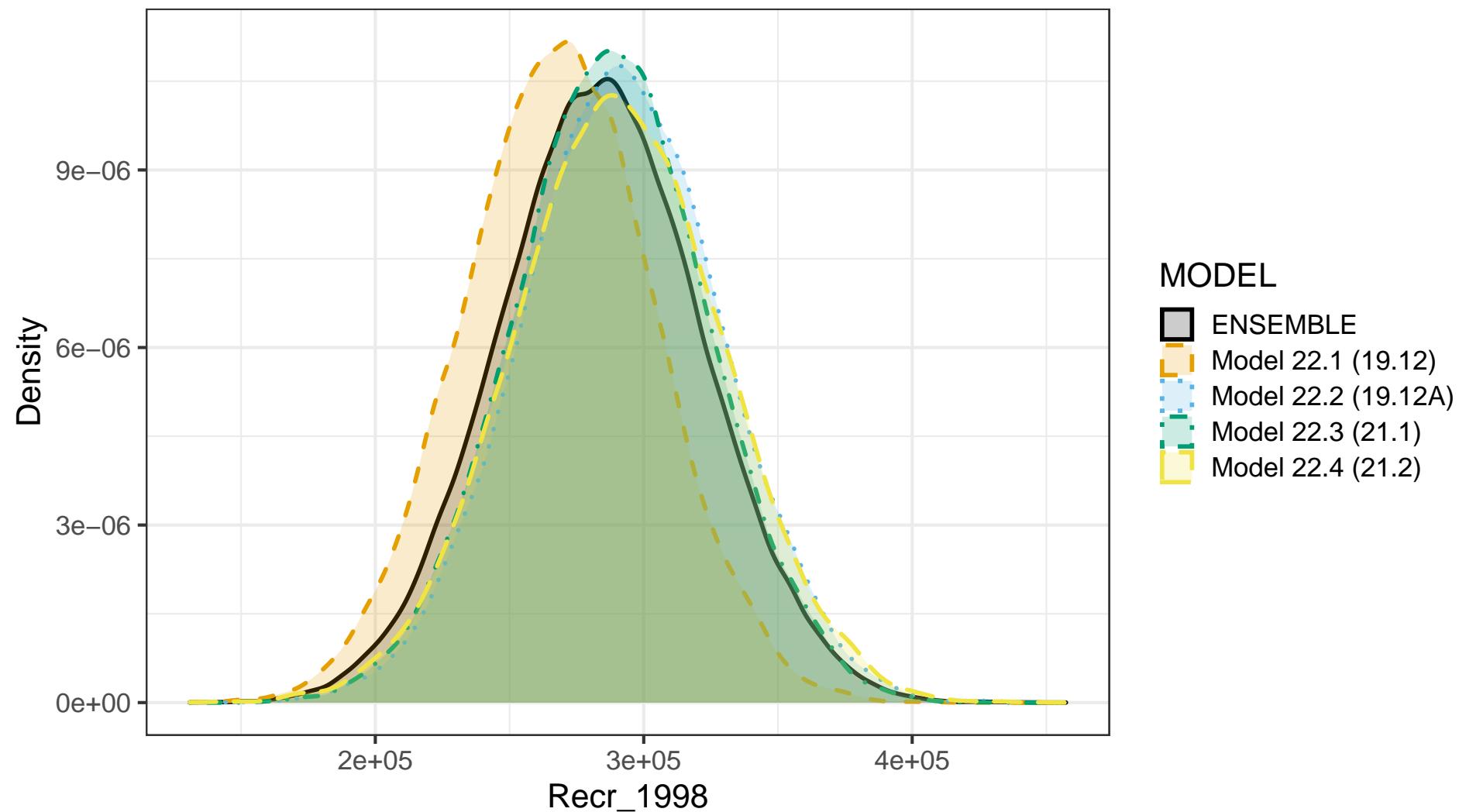
Recr_1996



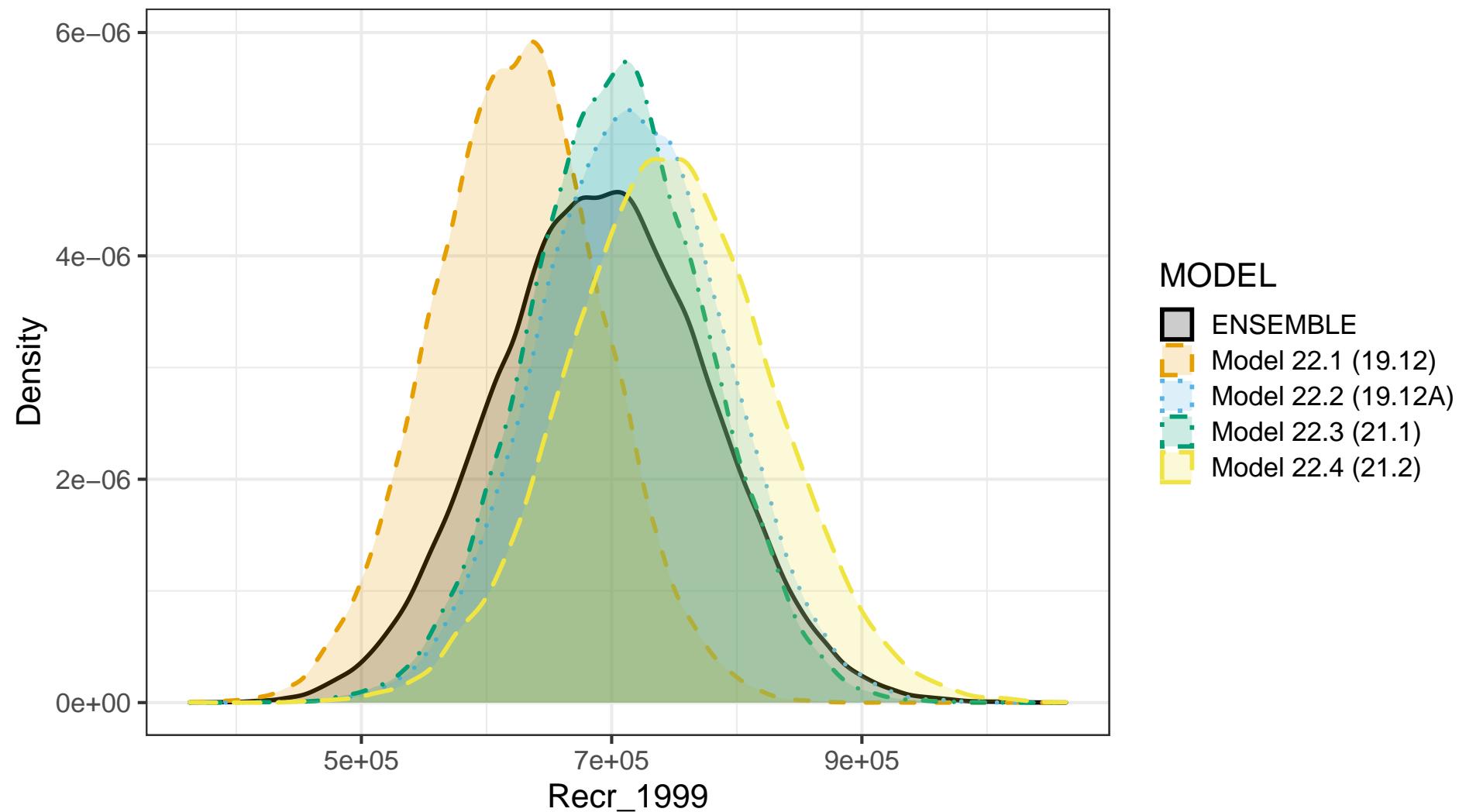
Recr_1997



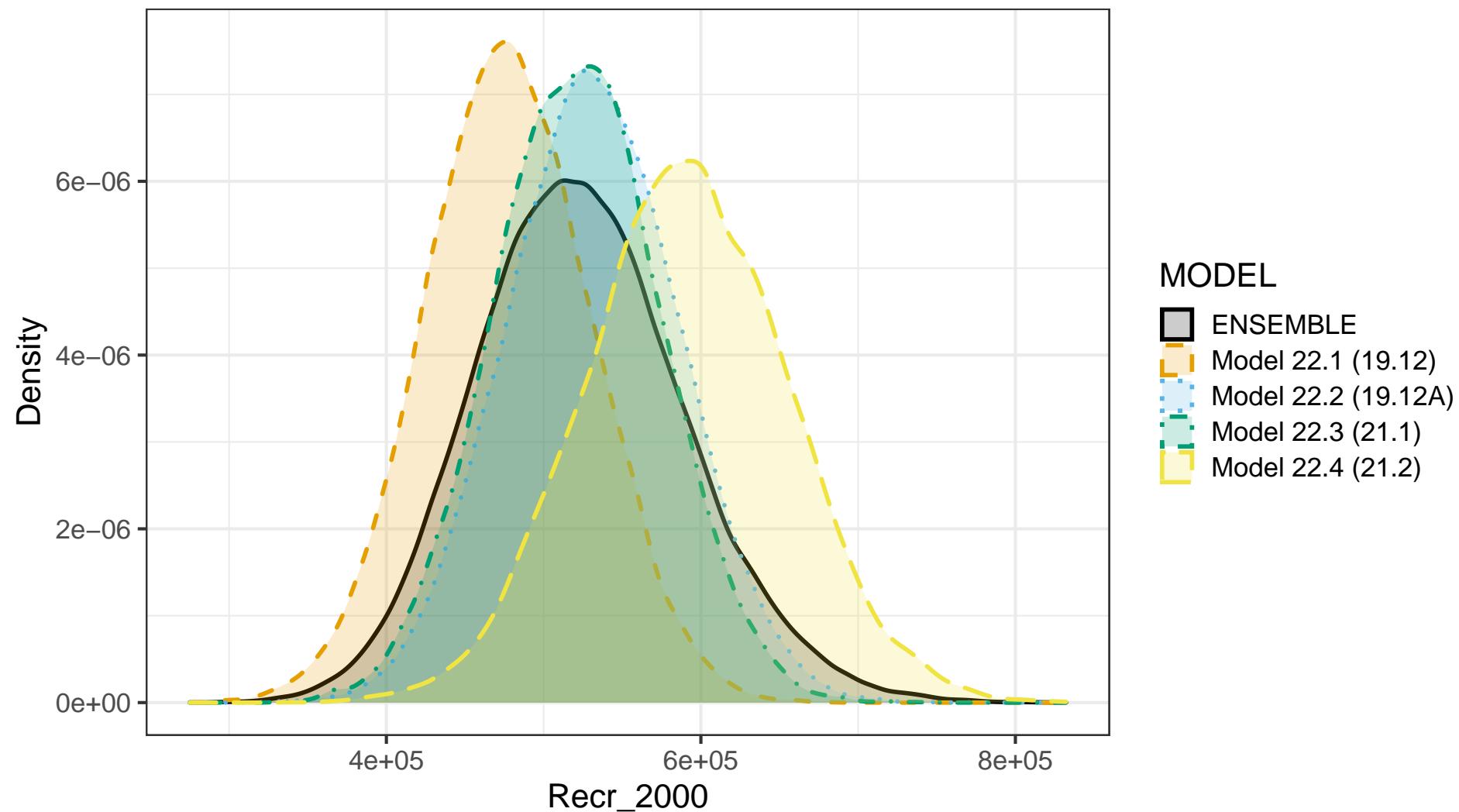
Recr_1998



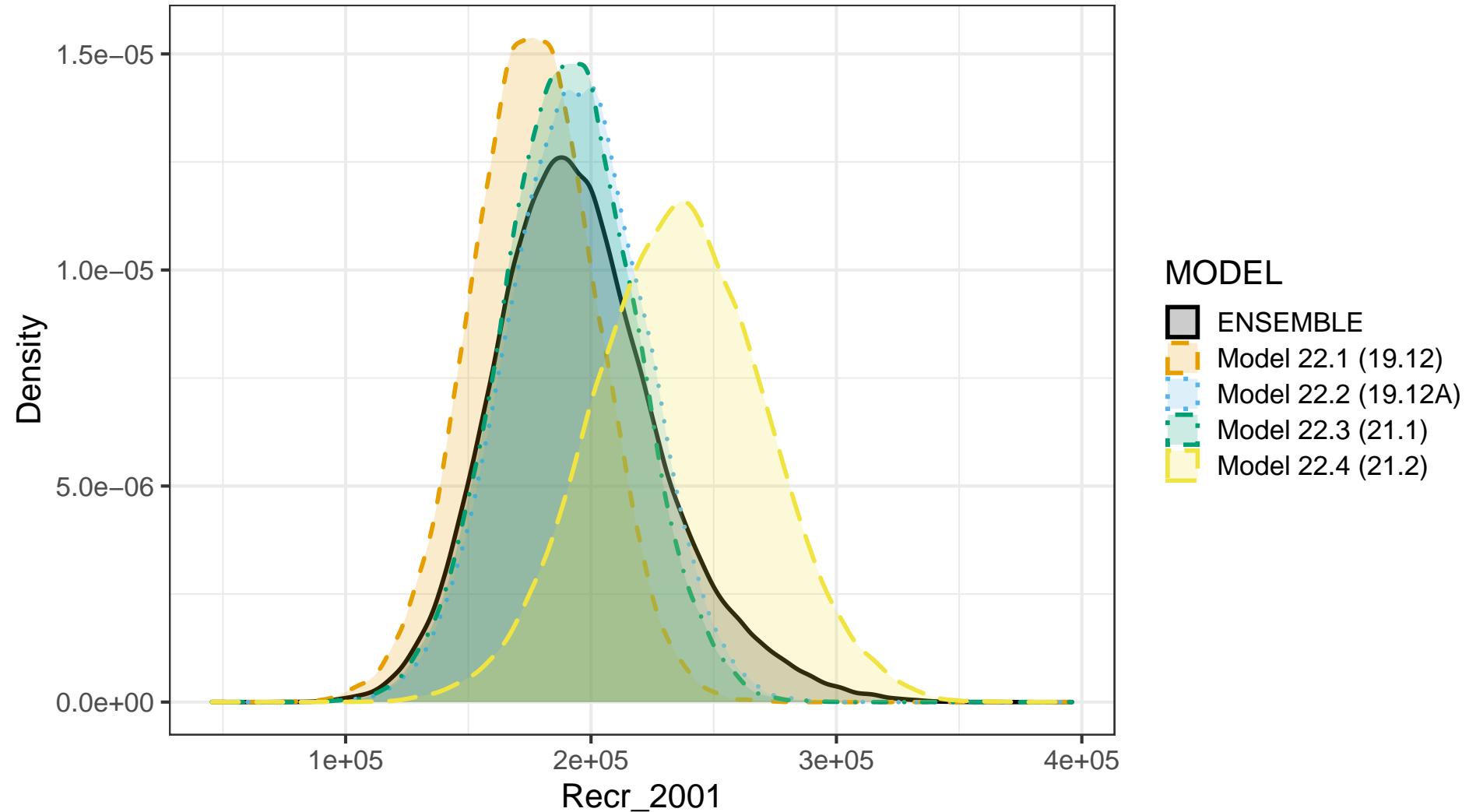
Recr_1999



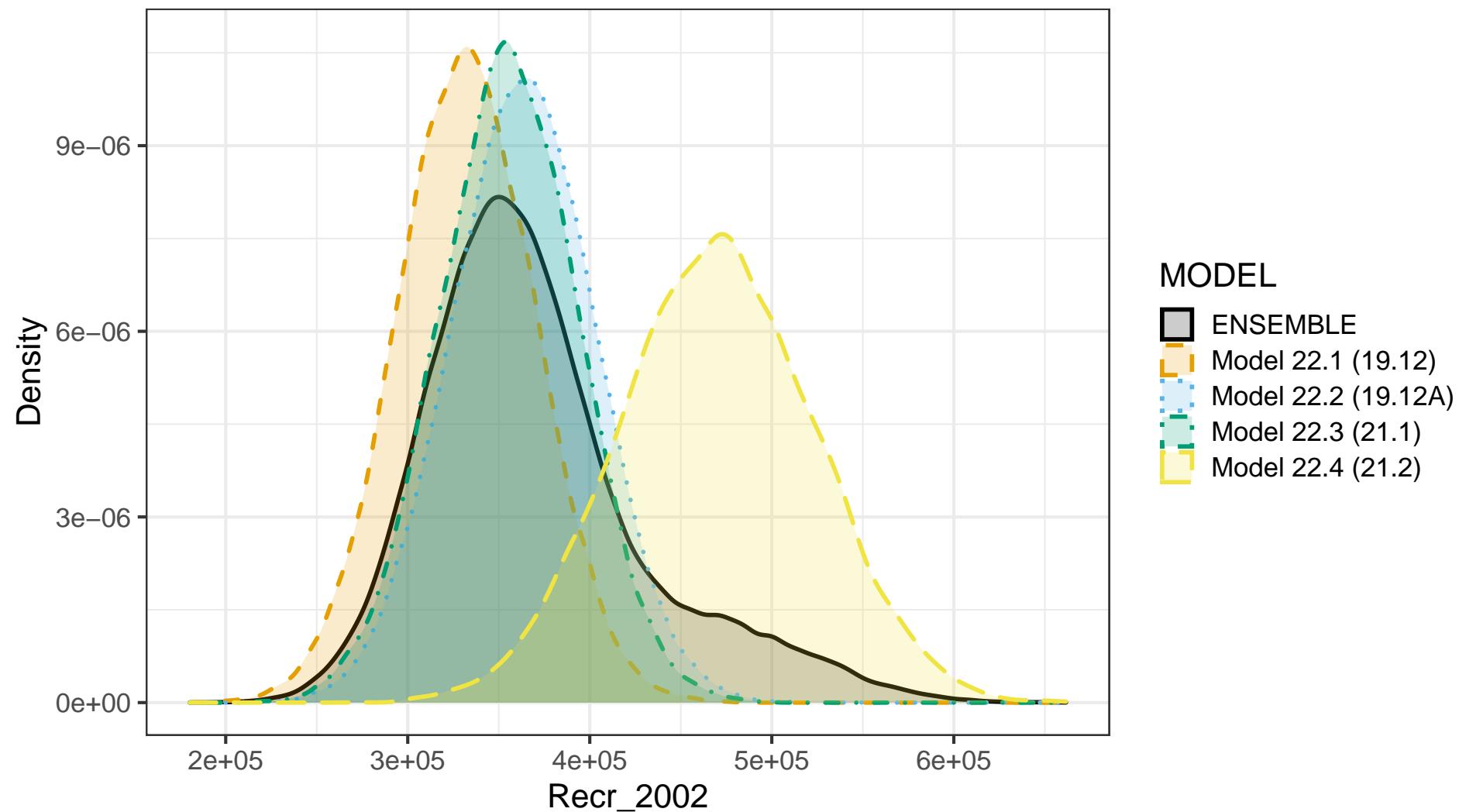
Recr_2000



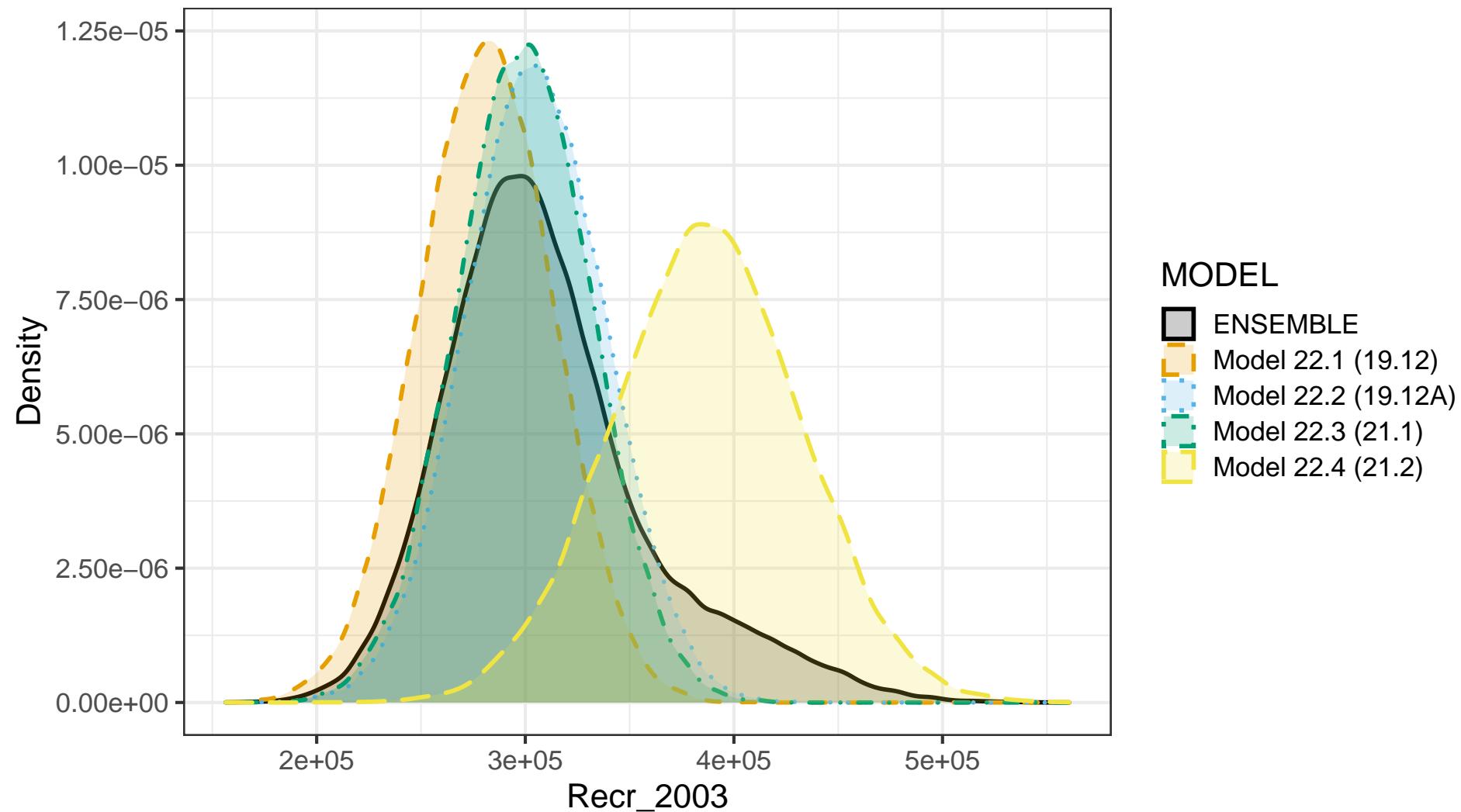
Recr_2001



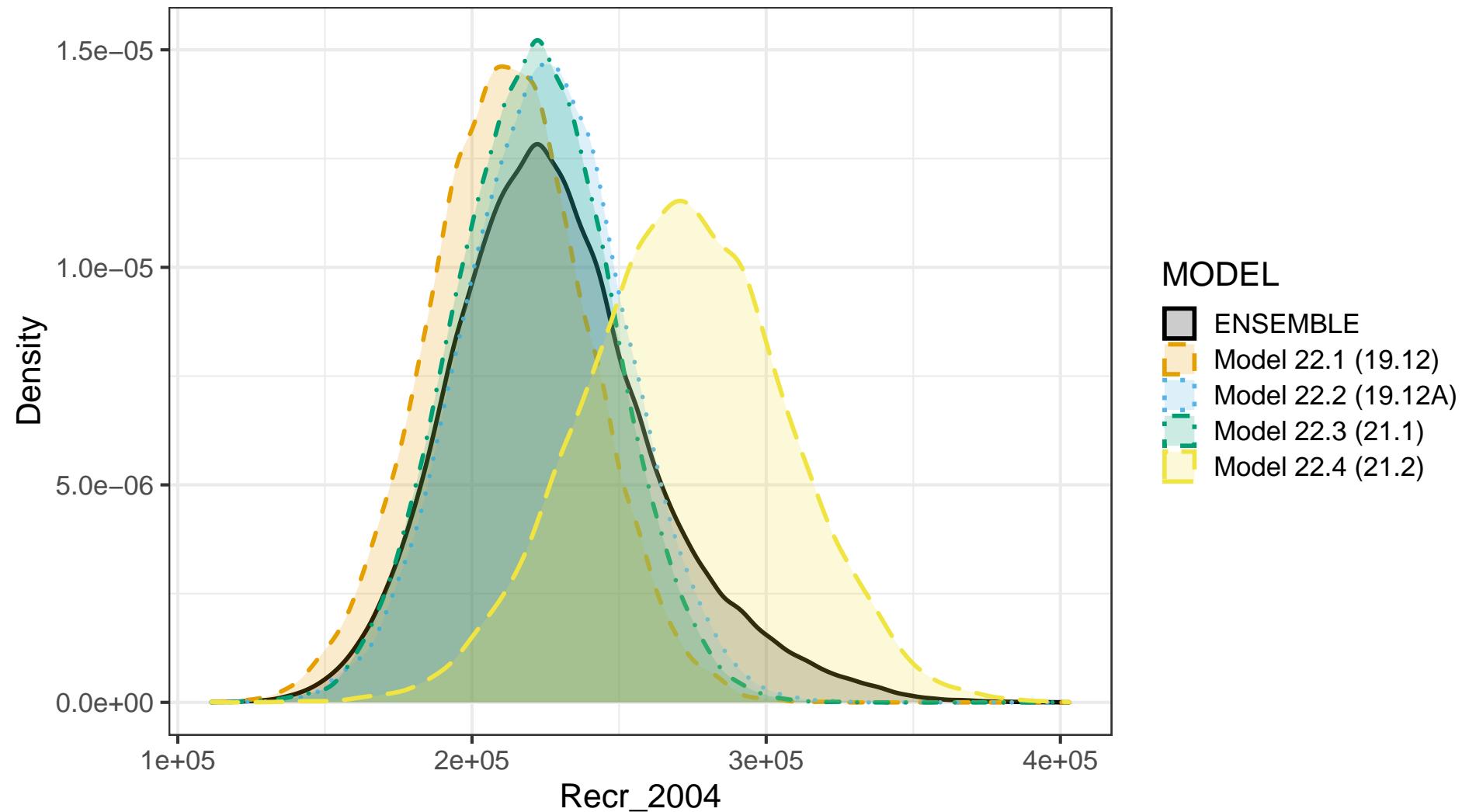
Recr_2002



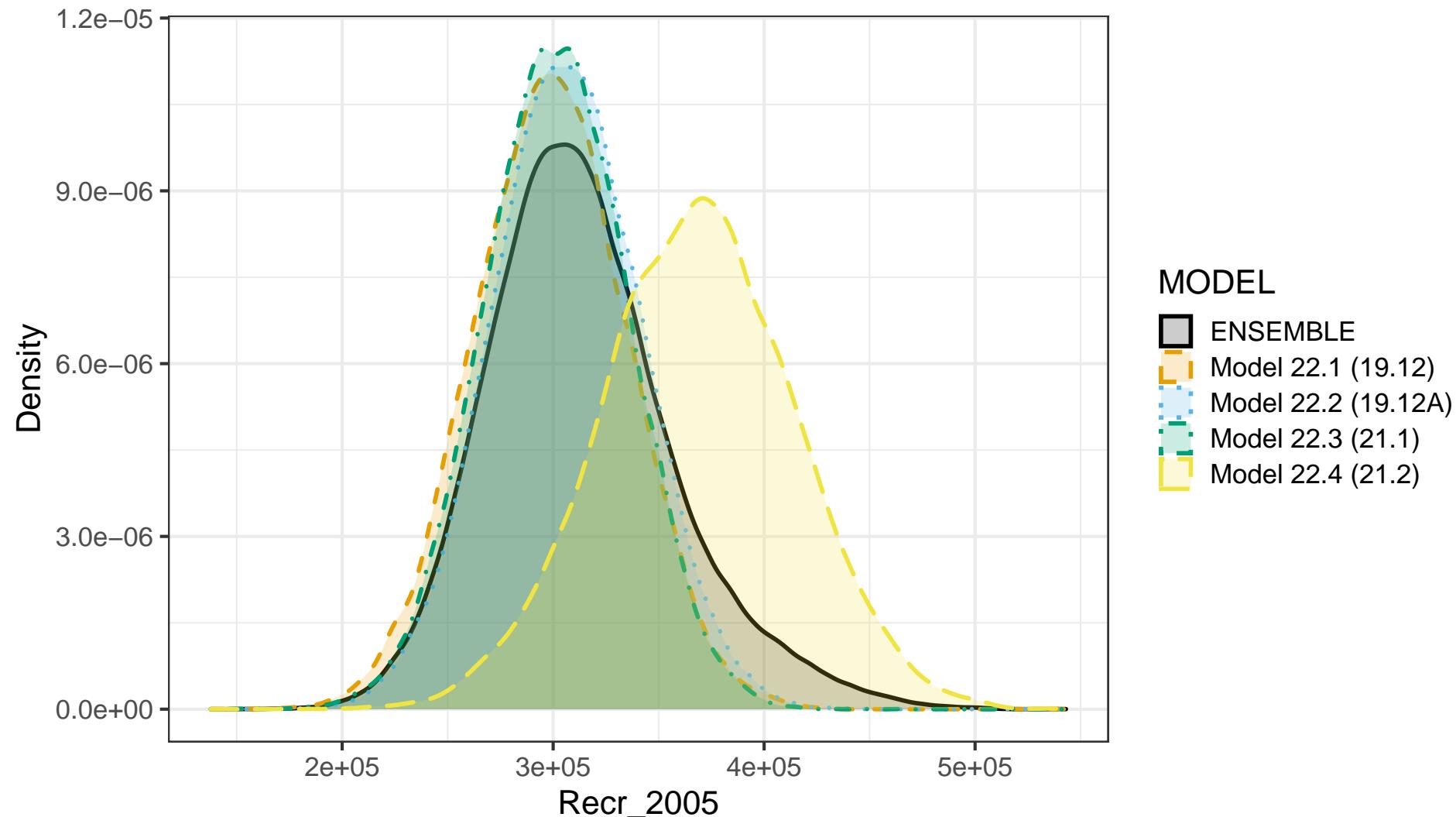
Recr_2003



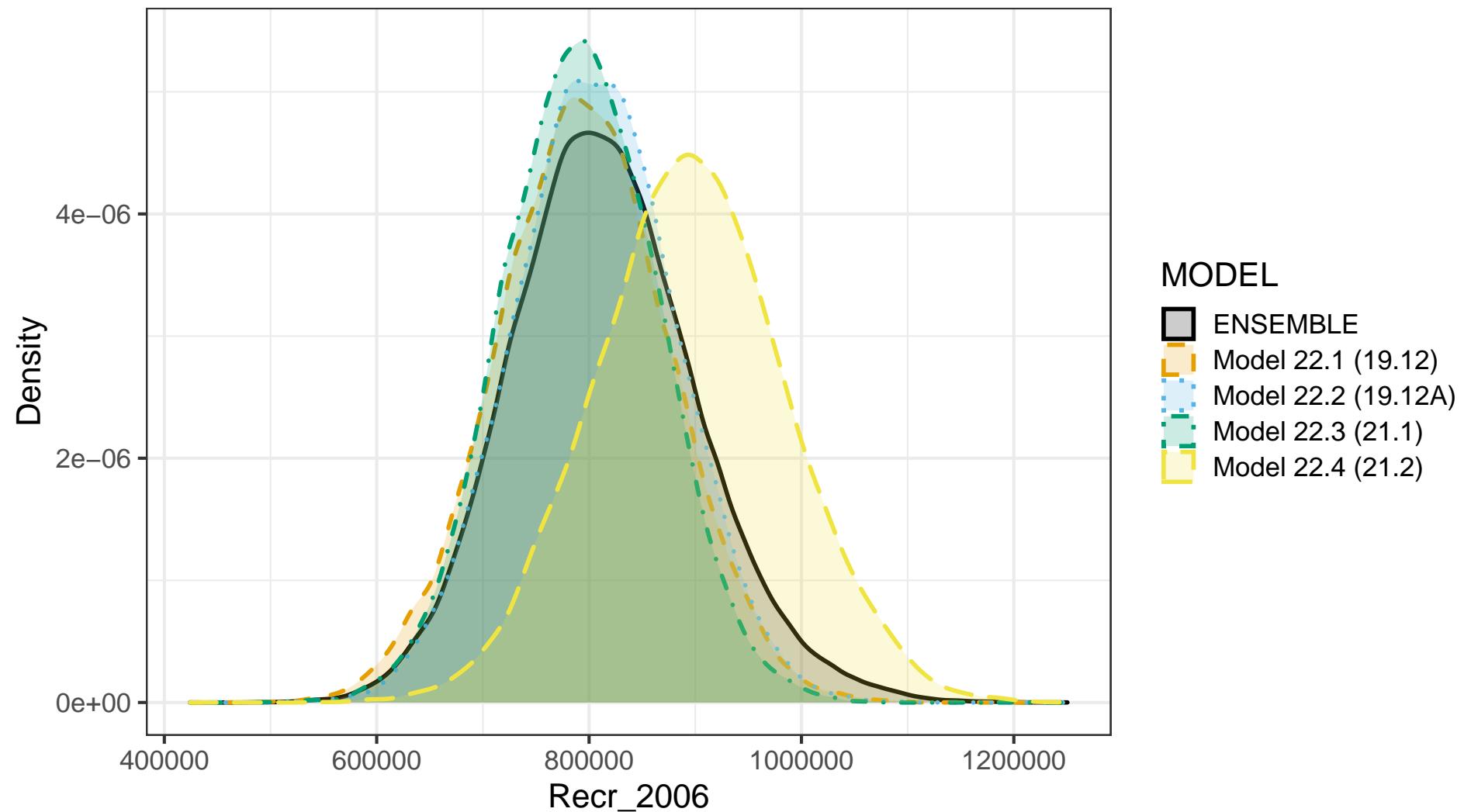
Recr_2004



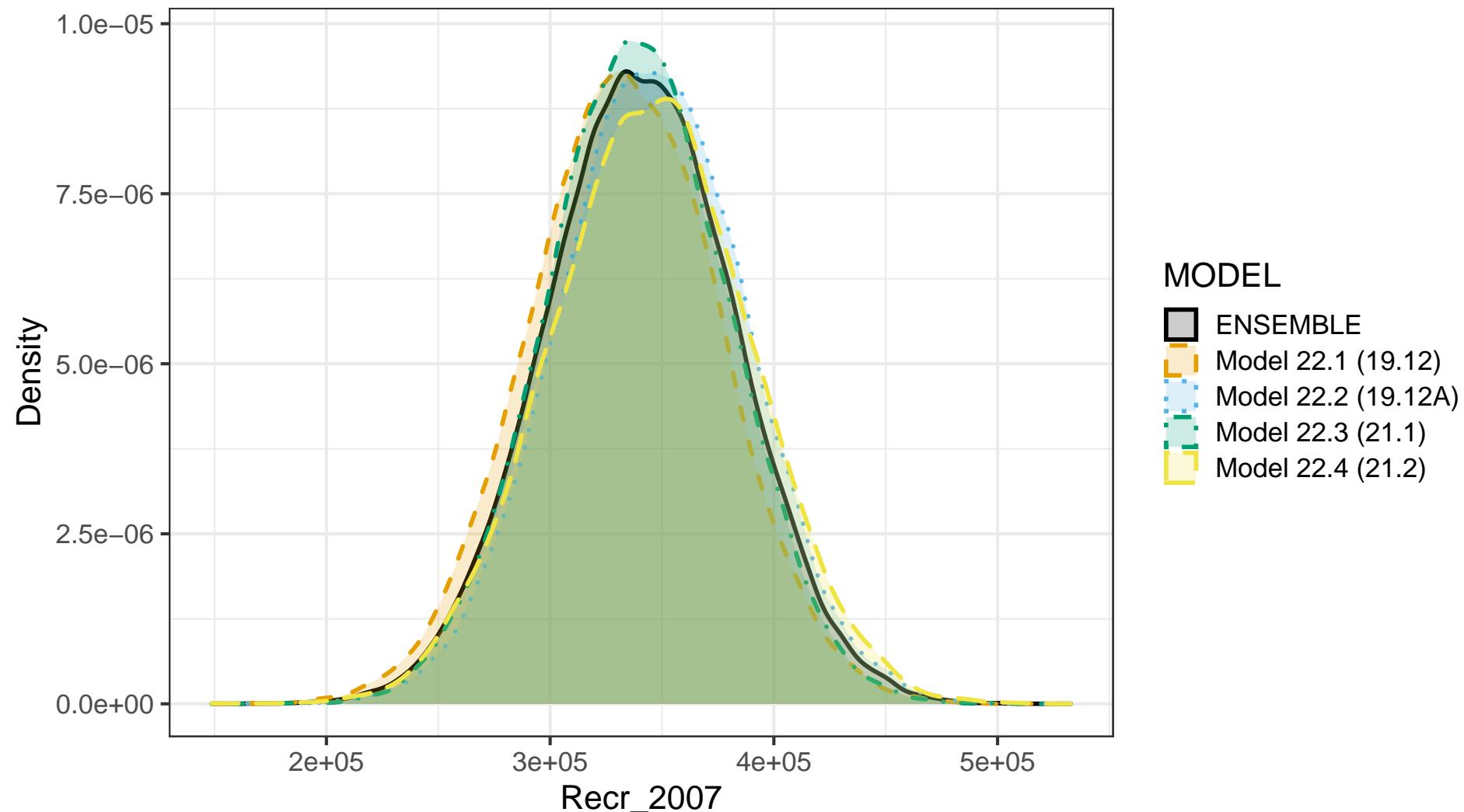
Recr_2005



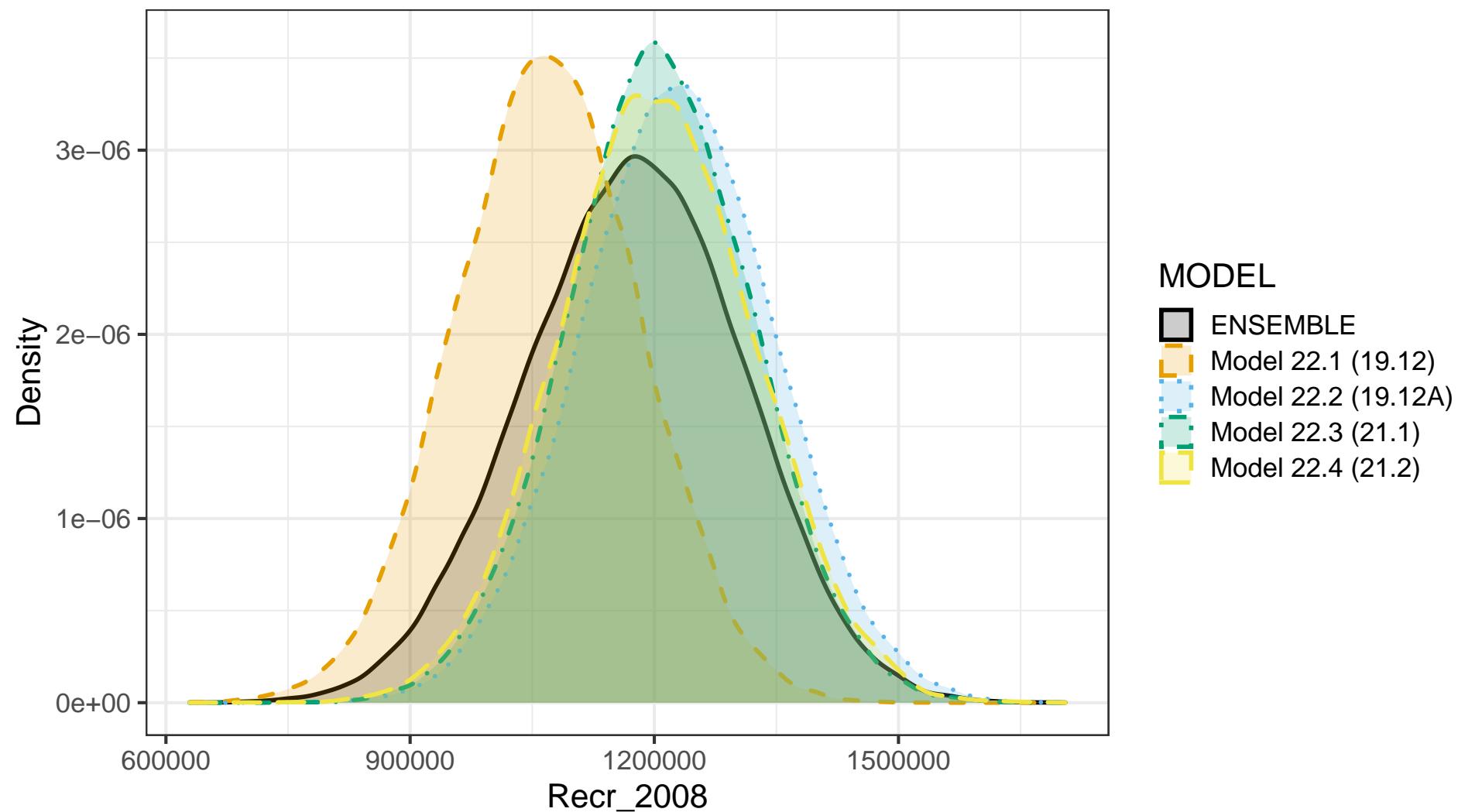
Recr_2006



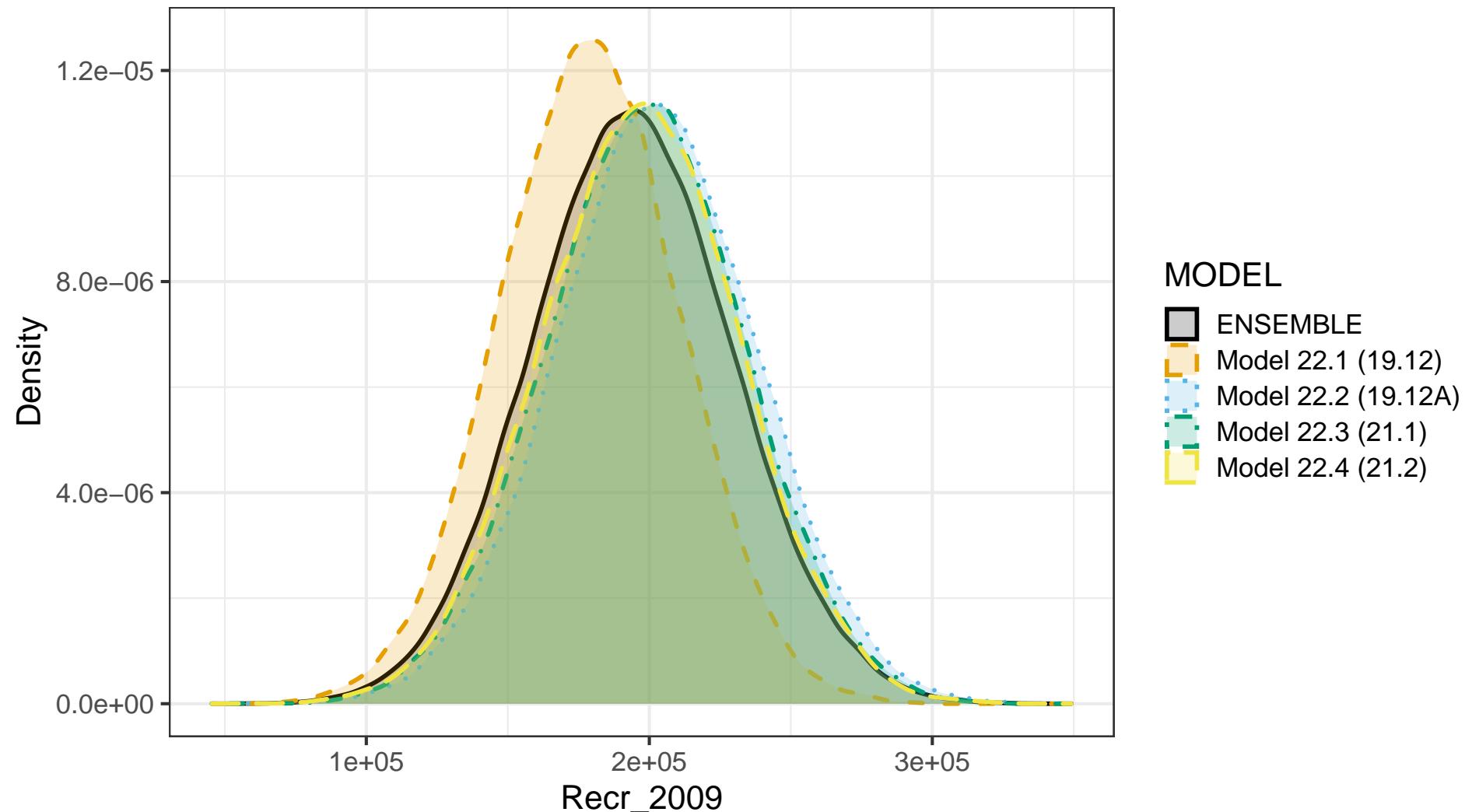
Recr_2007



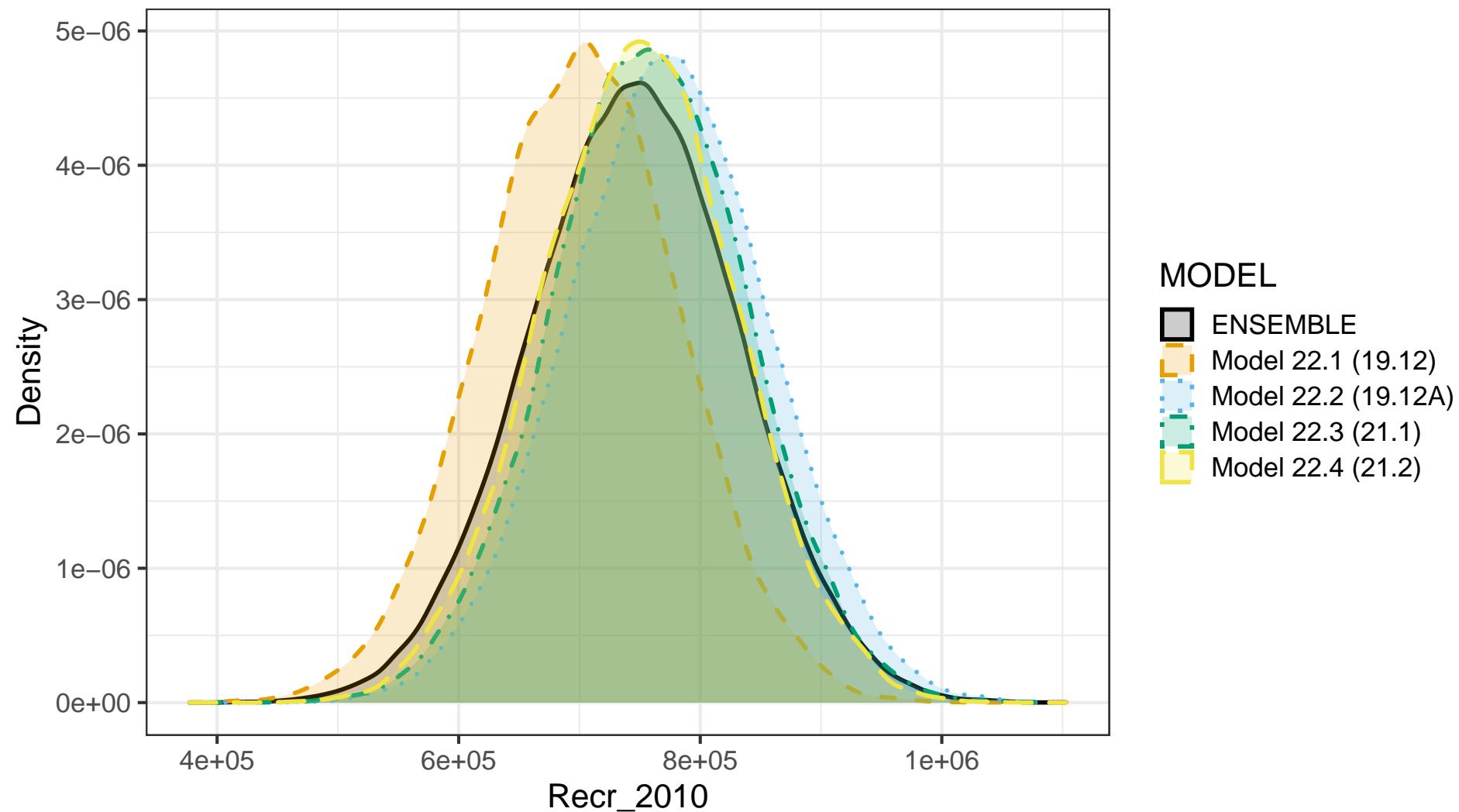
Recr_2008



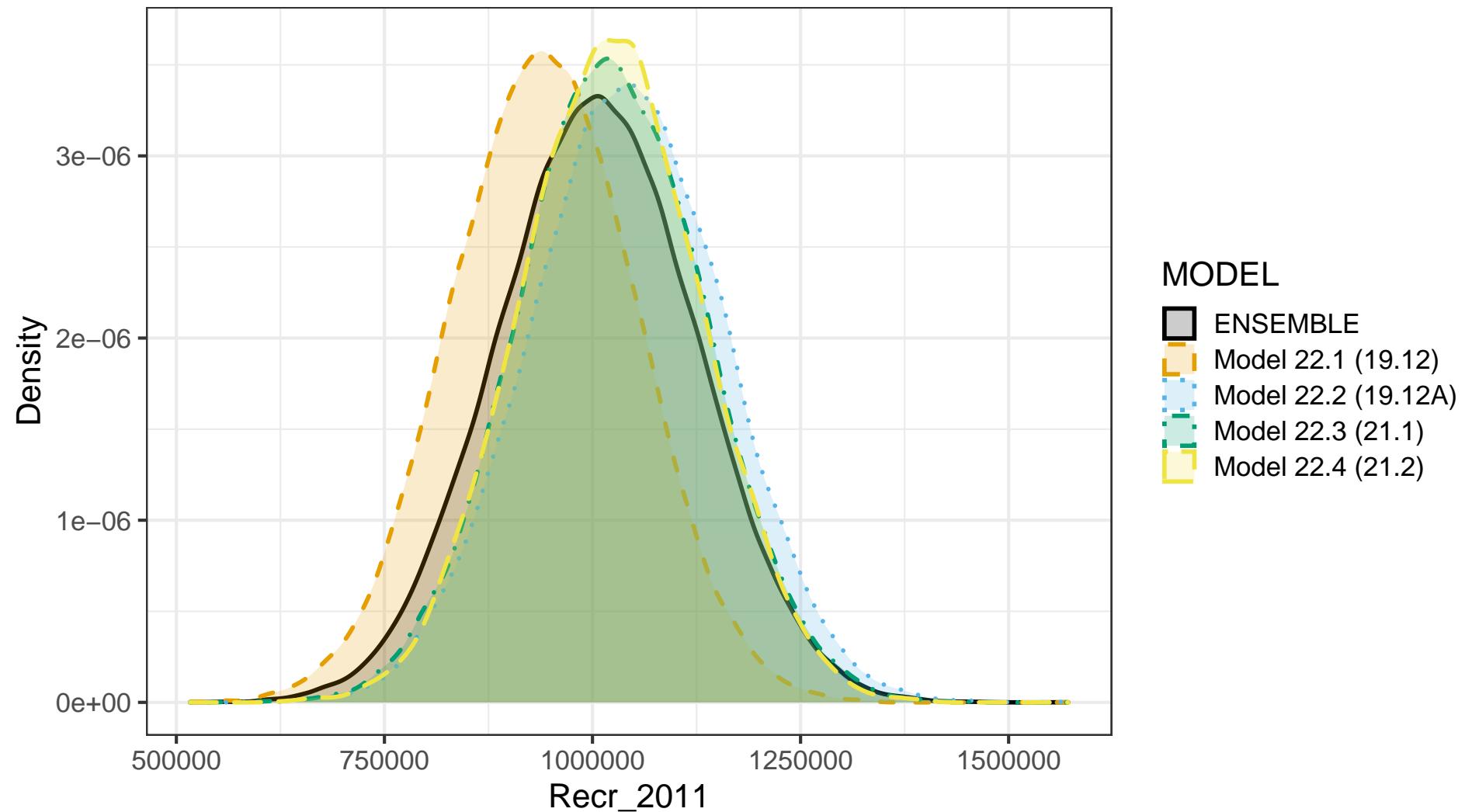
Recr_2009



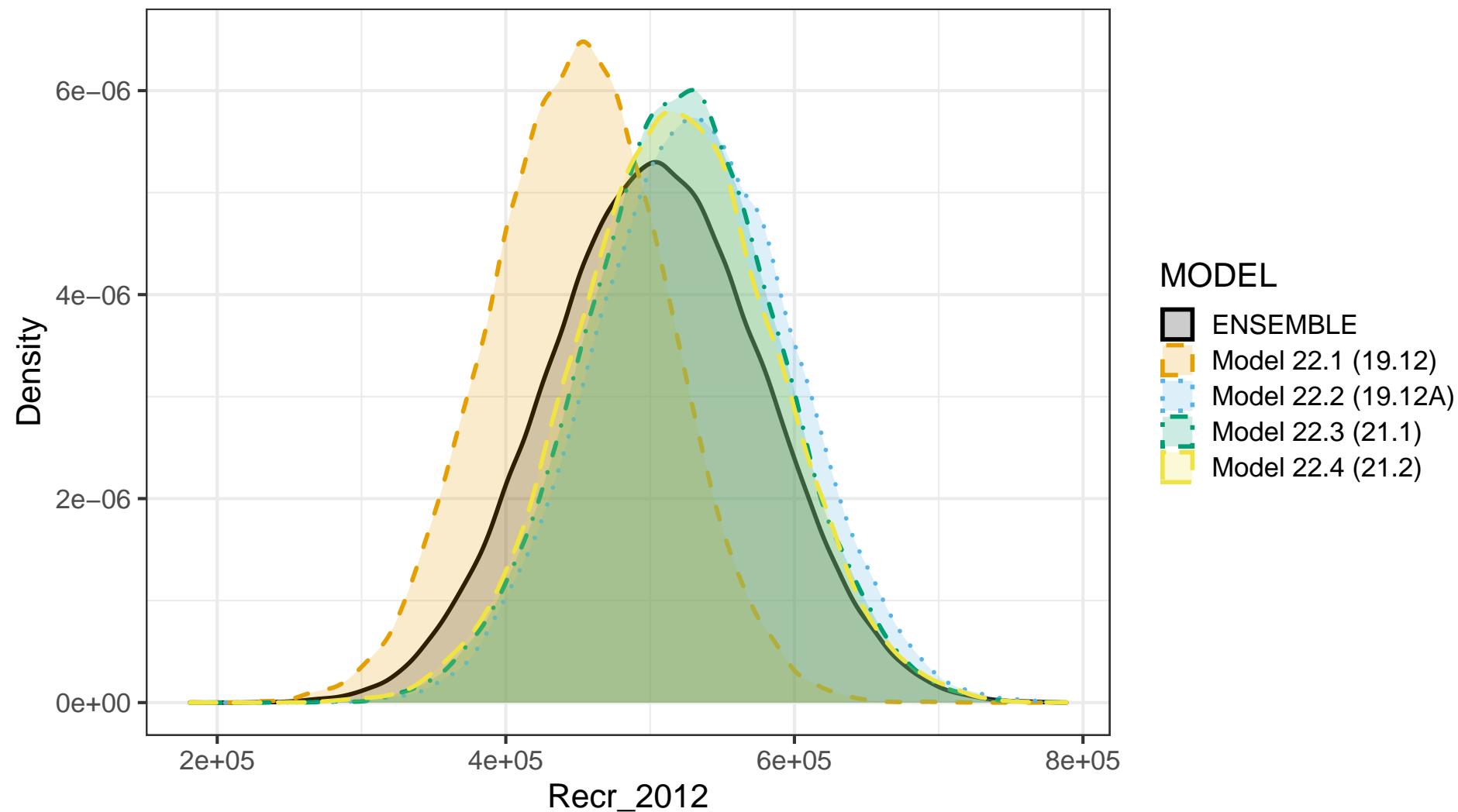
Recr_2010



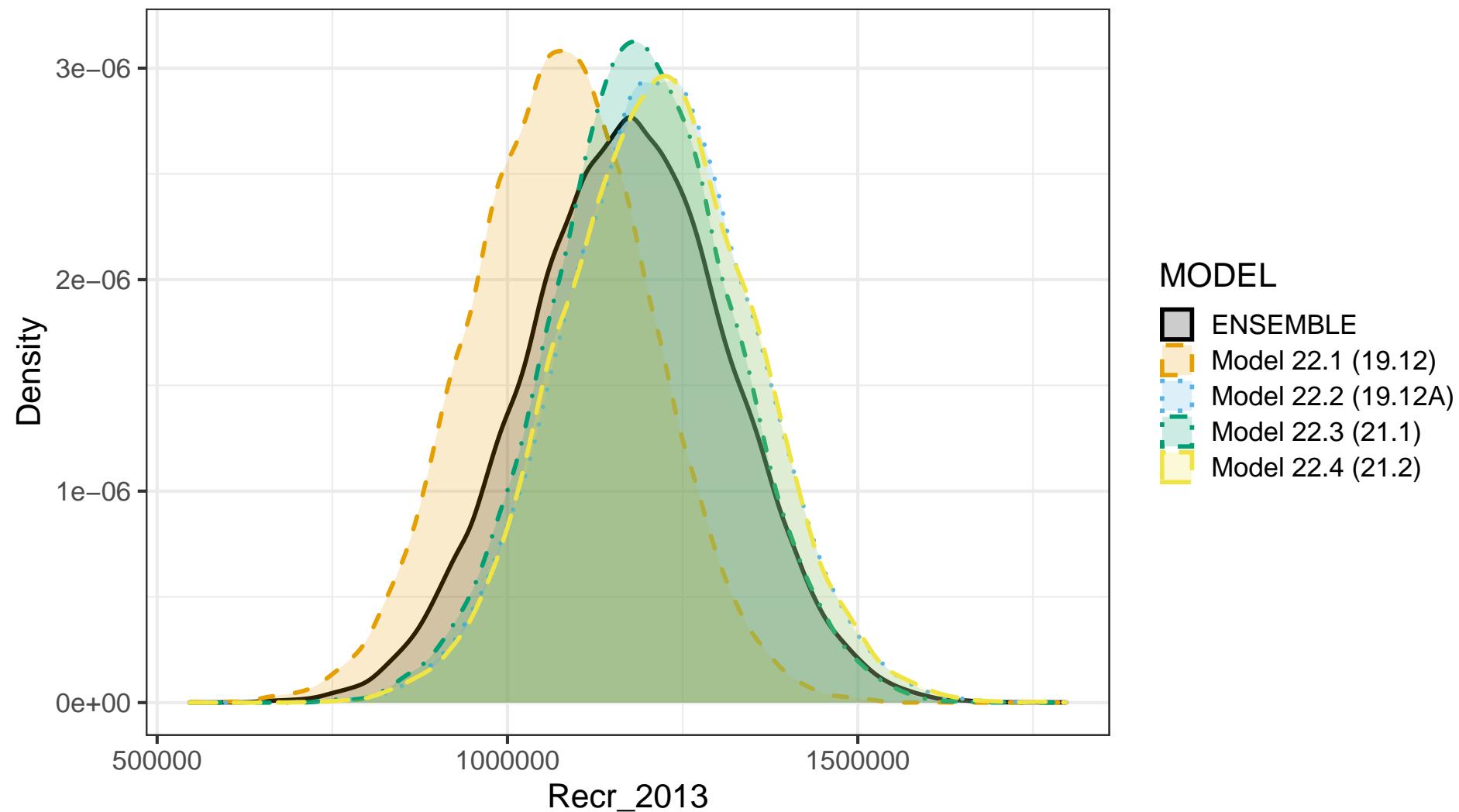
Recr_2011



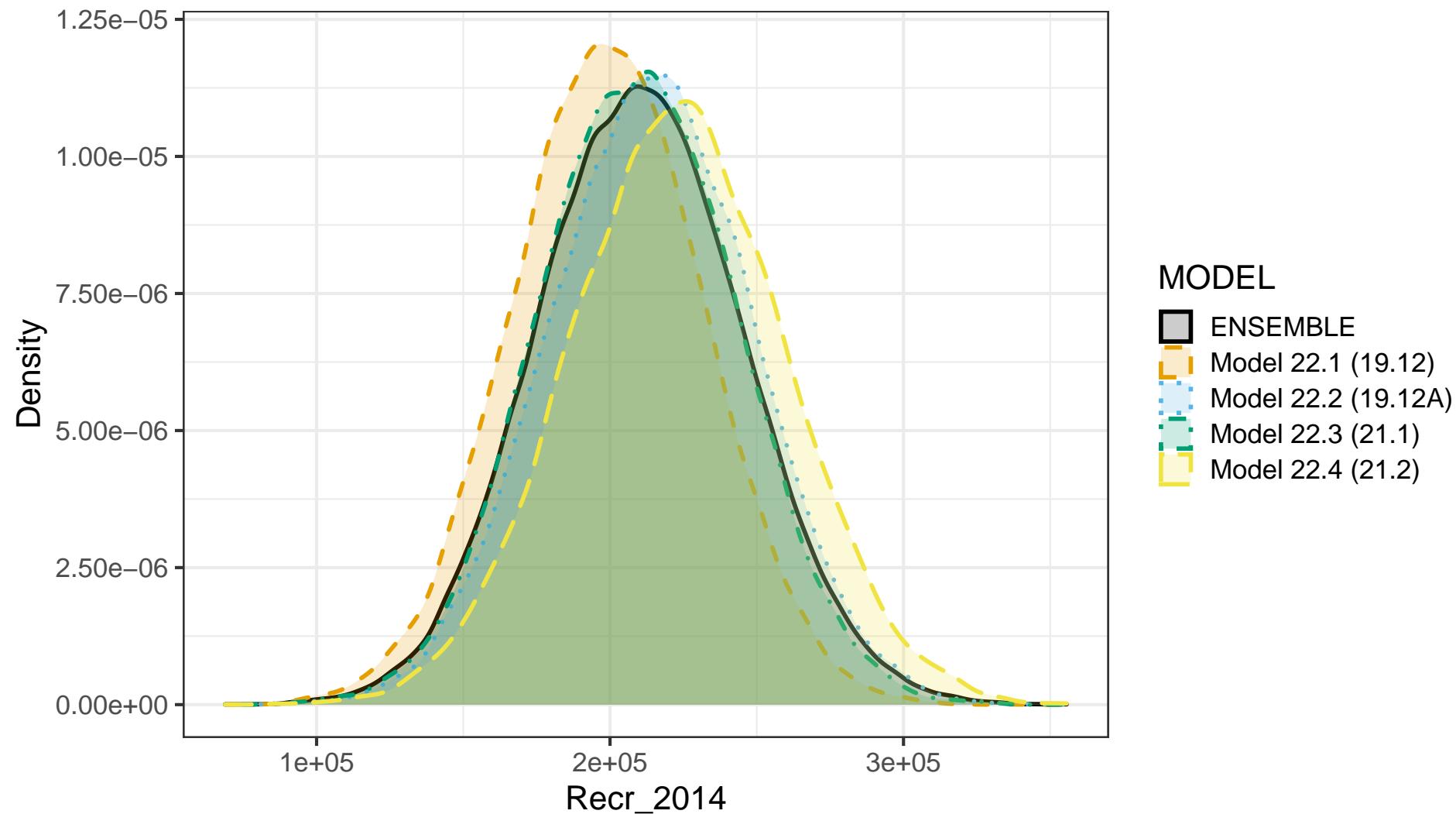
Recr_2012



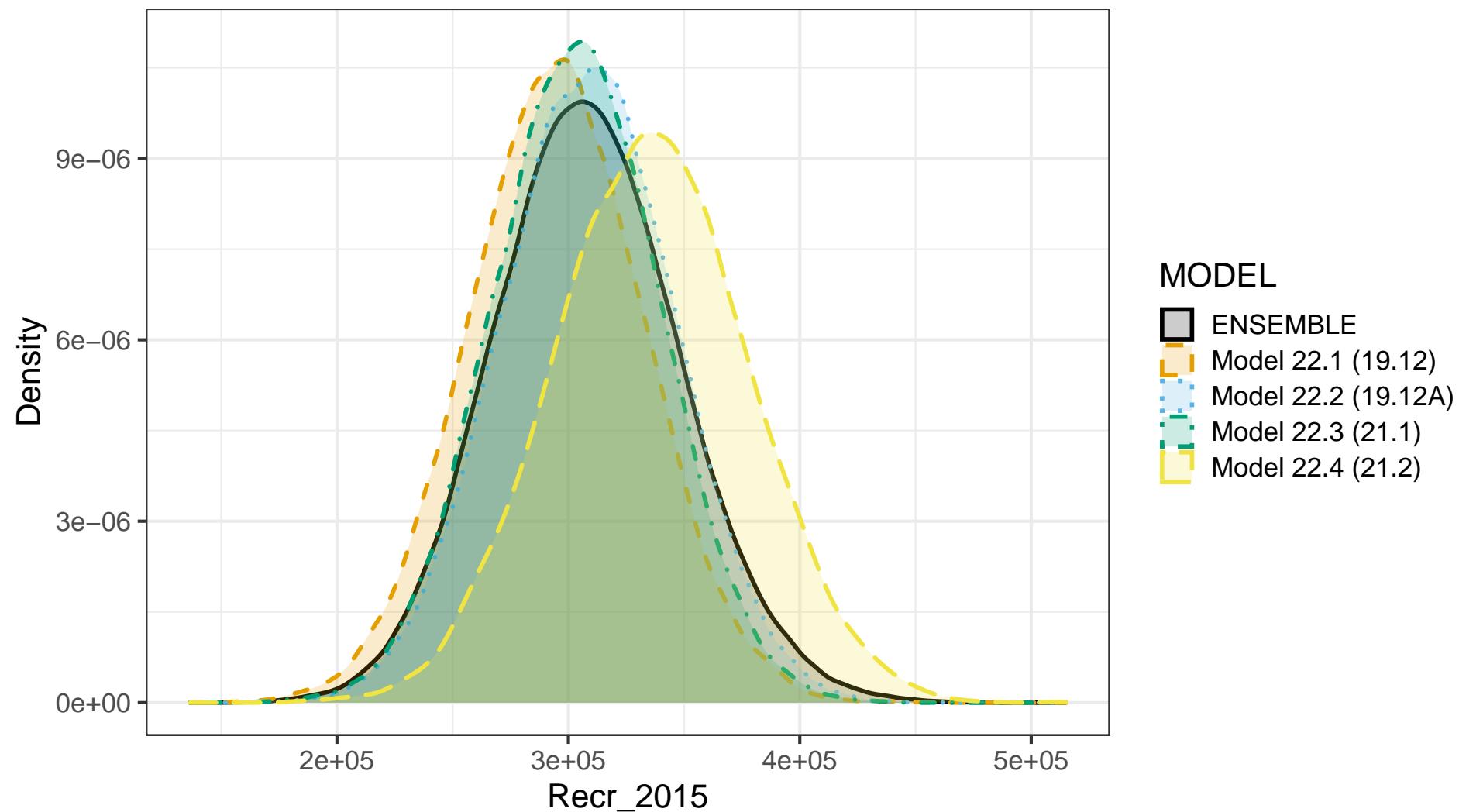
Recr_2013



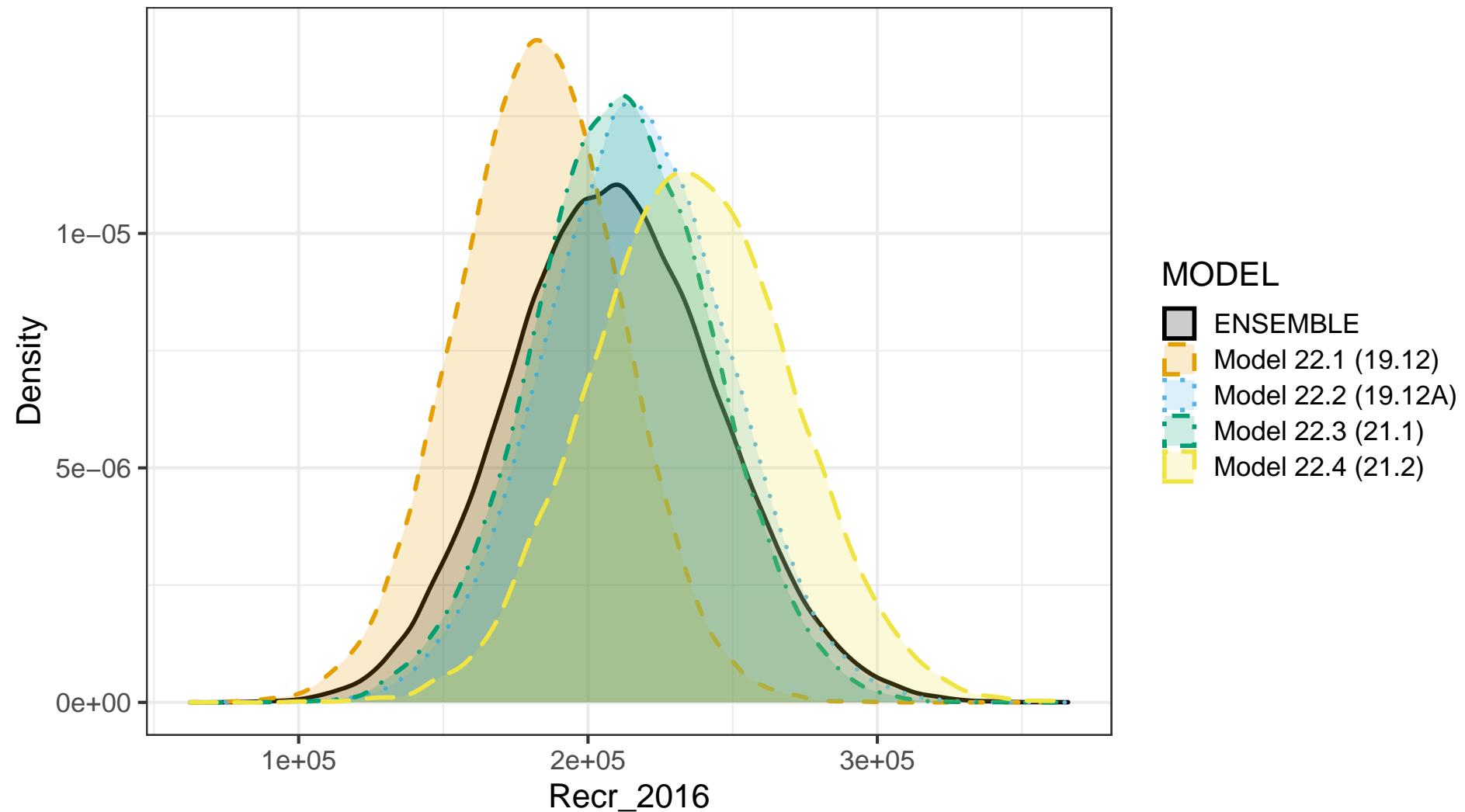
Recr_2014



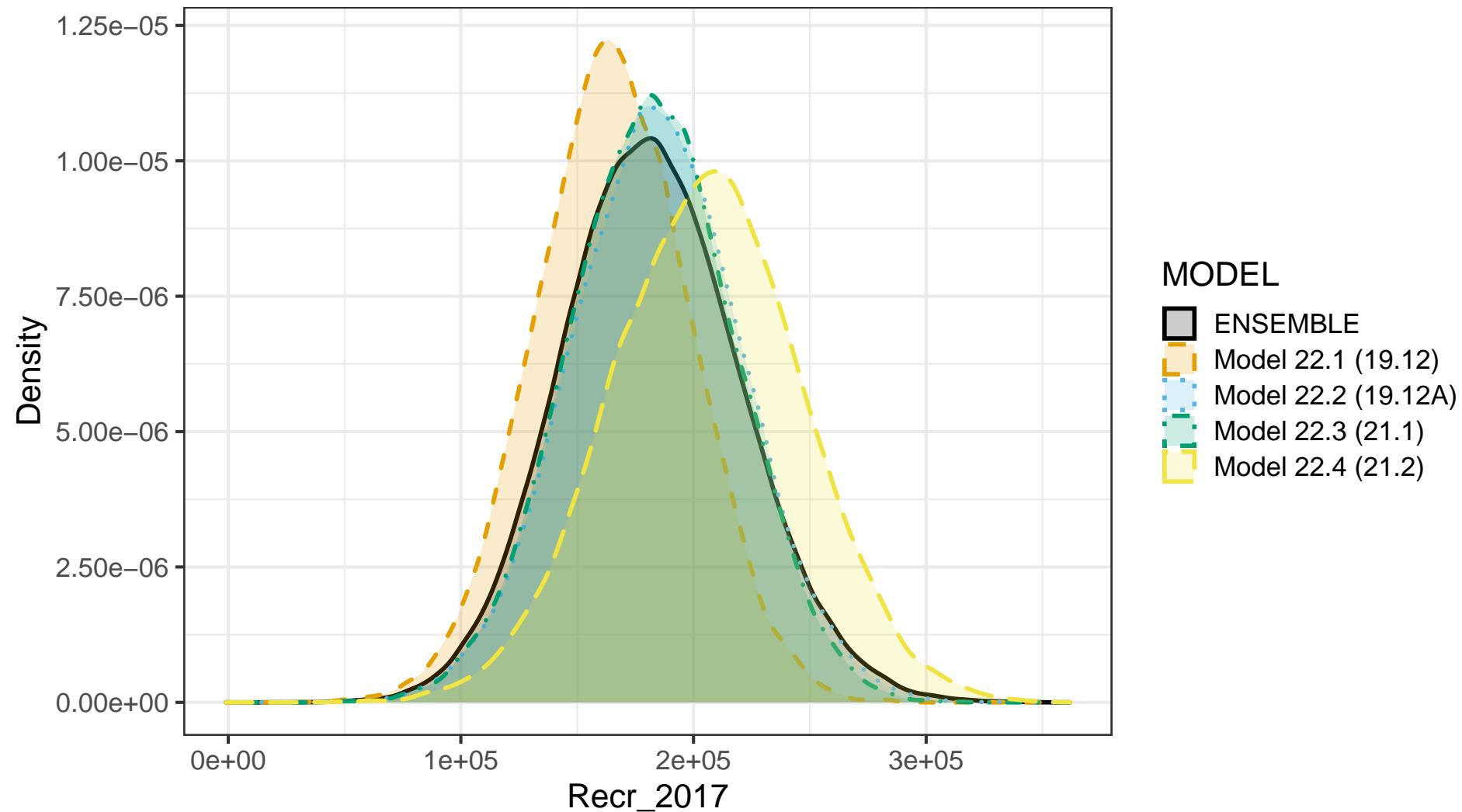
Recr_2015



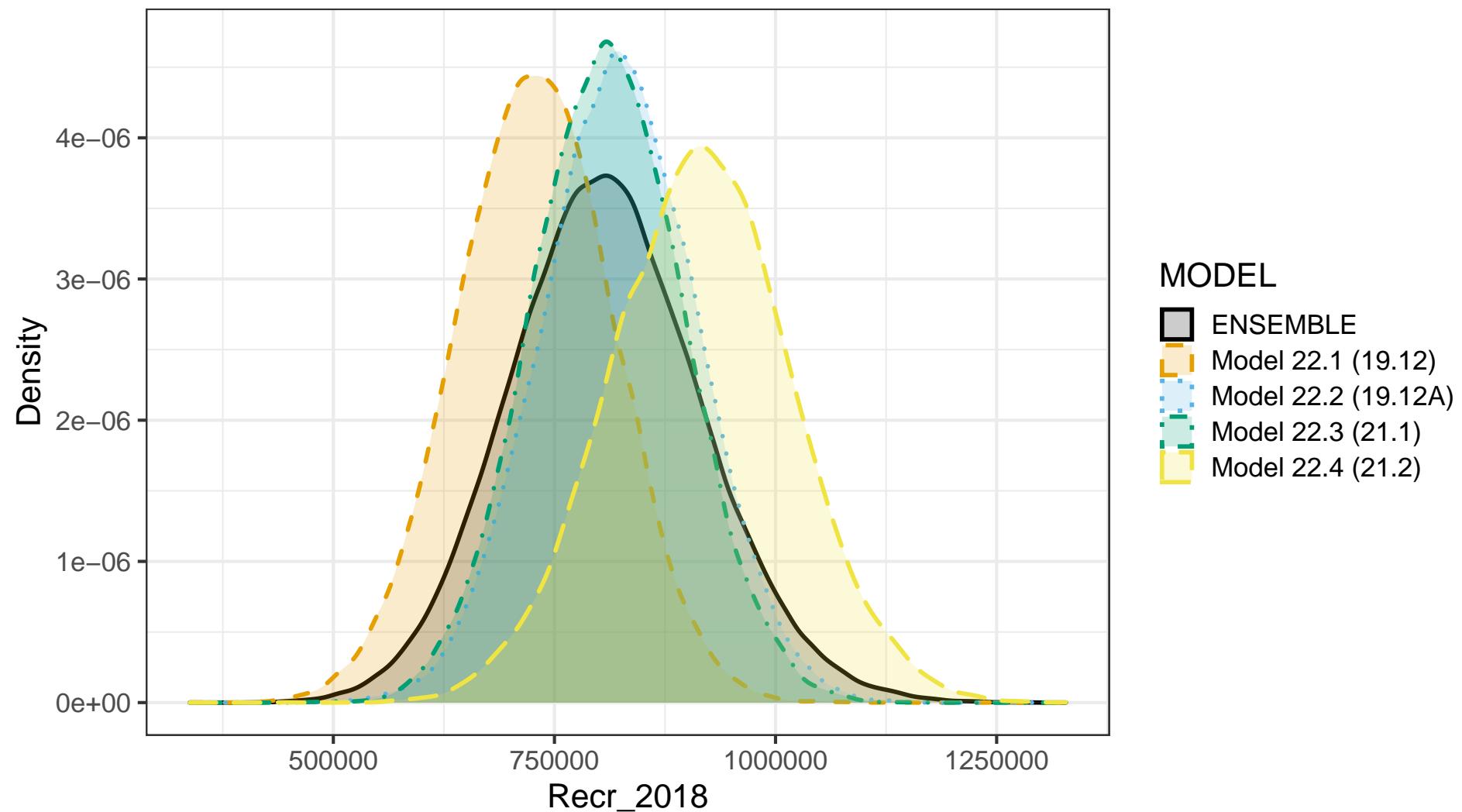
Recr_2016



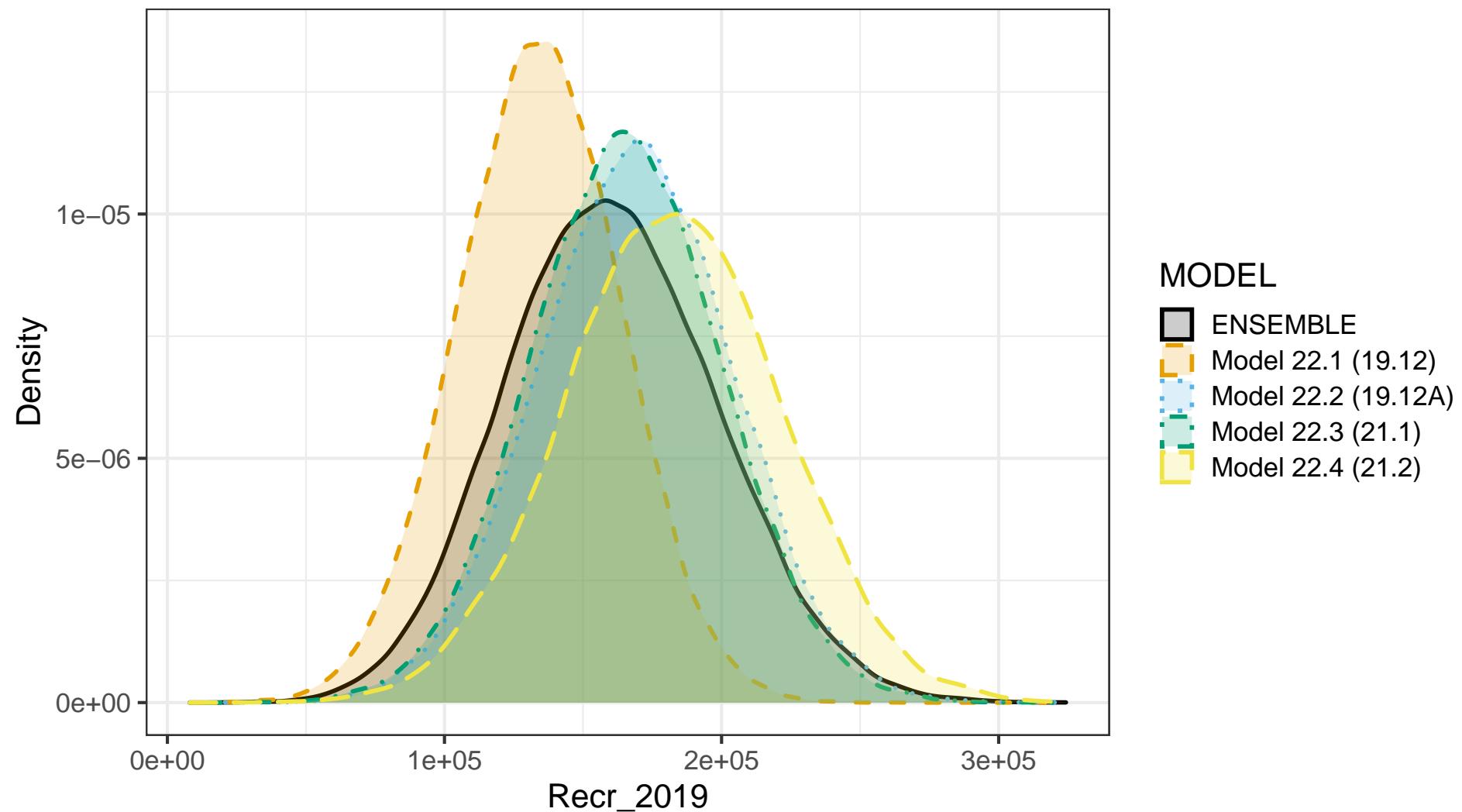
Recr_2017



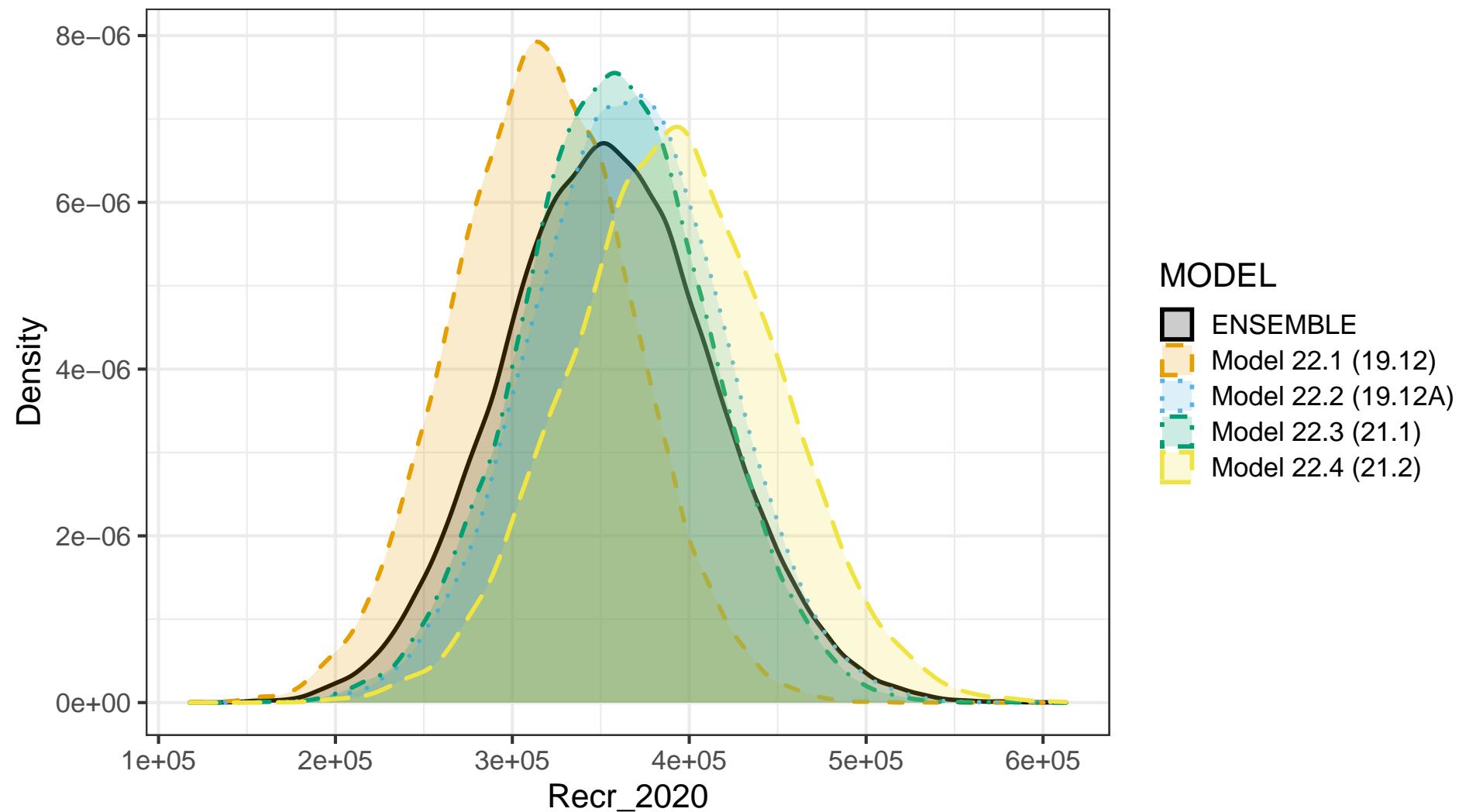
Recr_2018



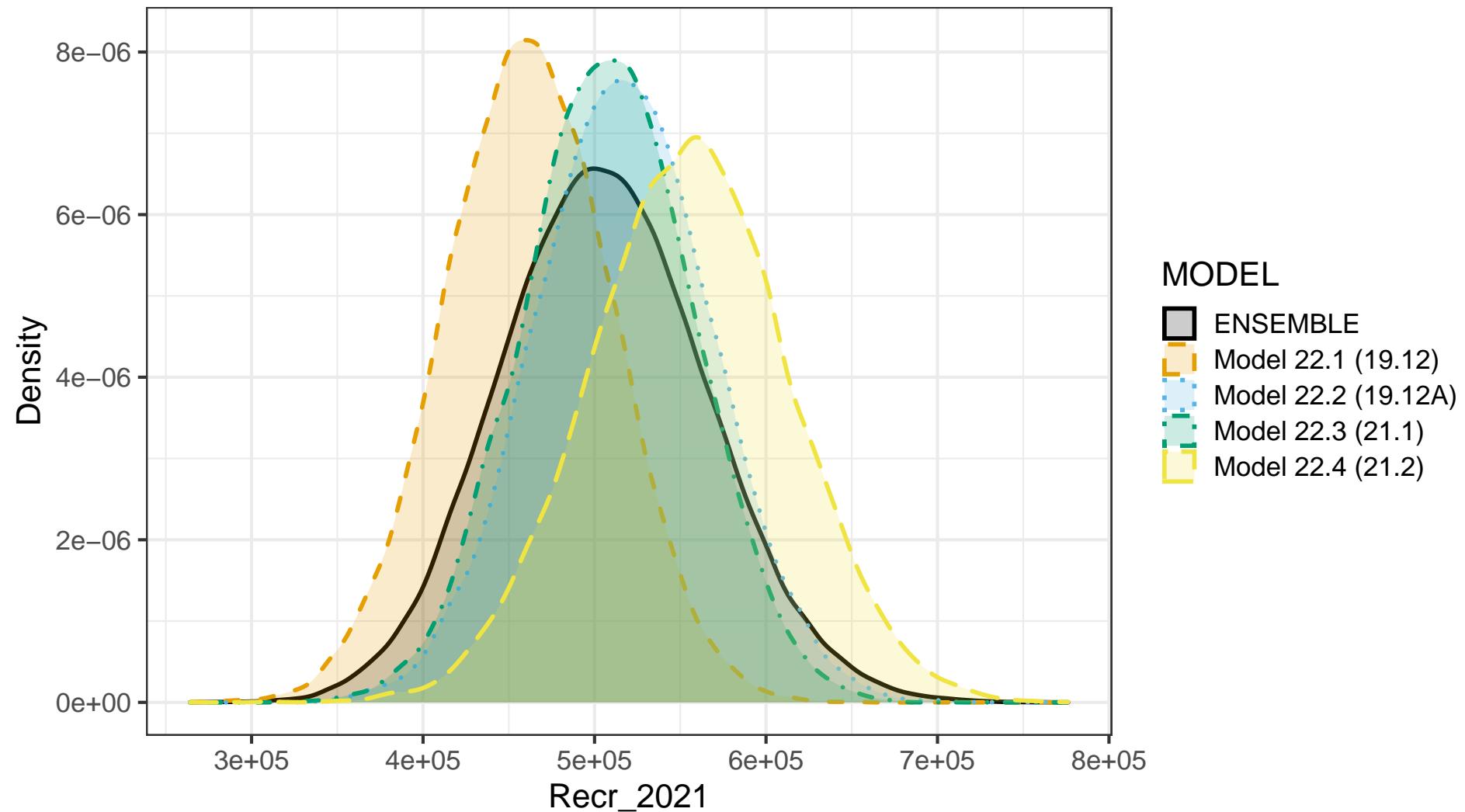
Recr_2019



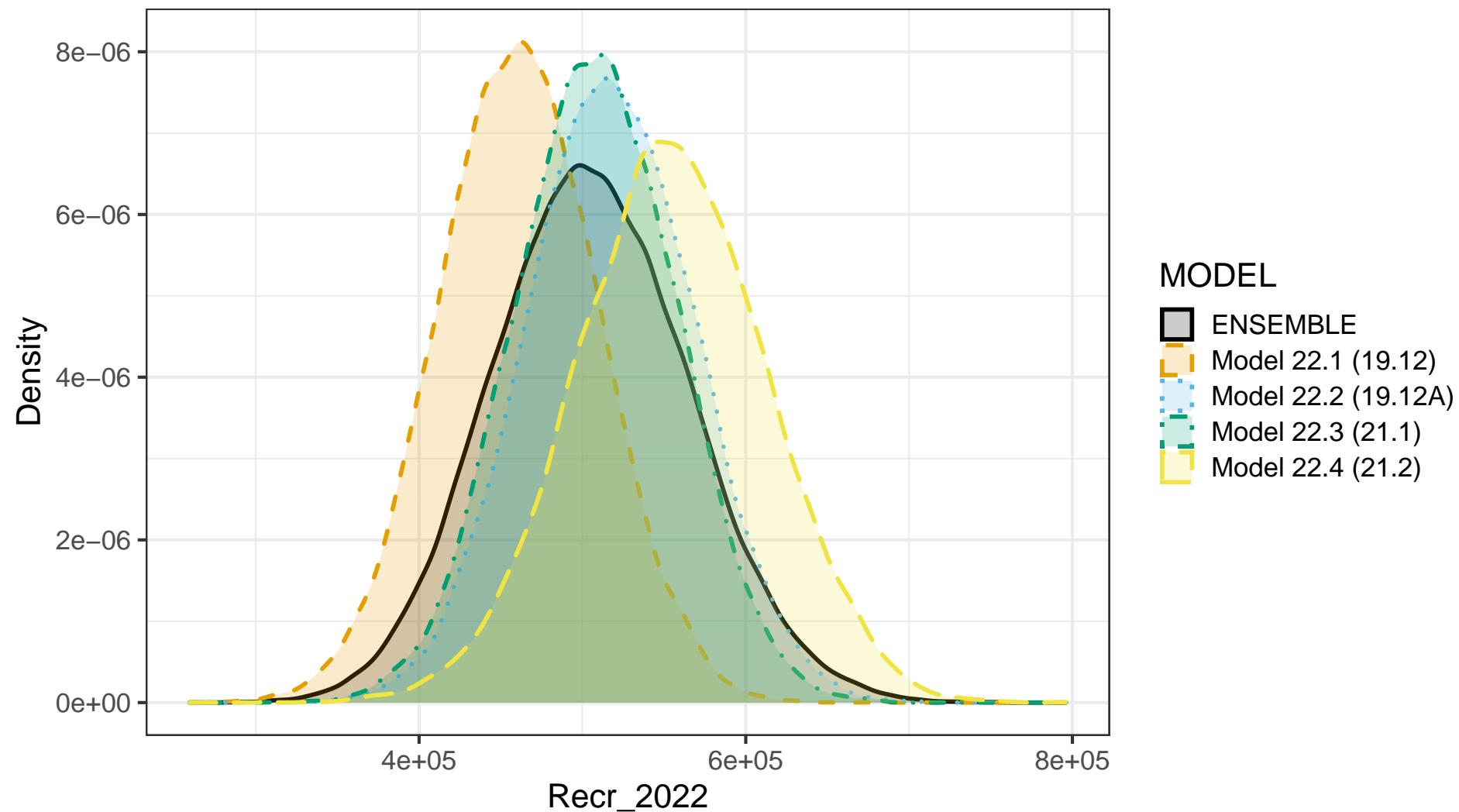
Recr_2020



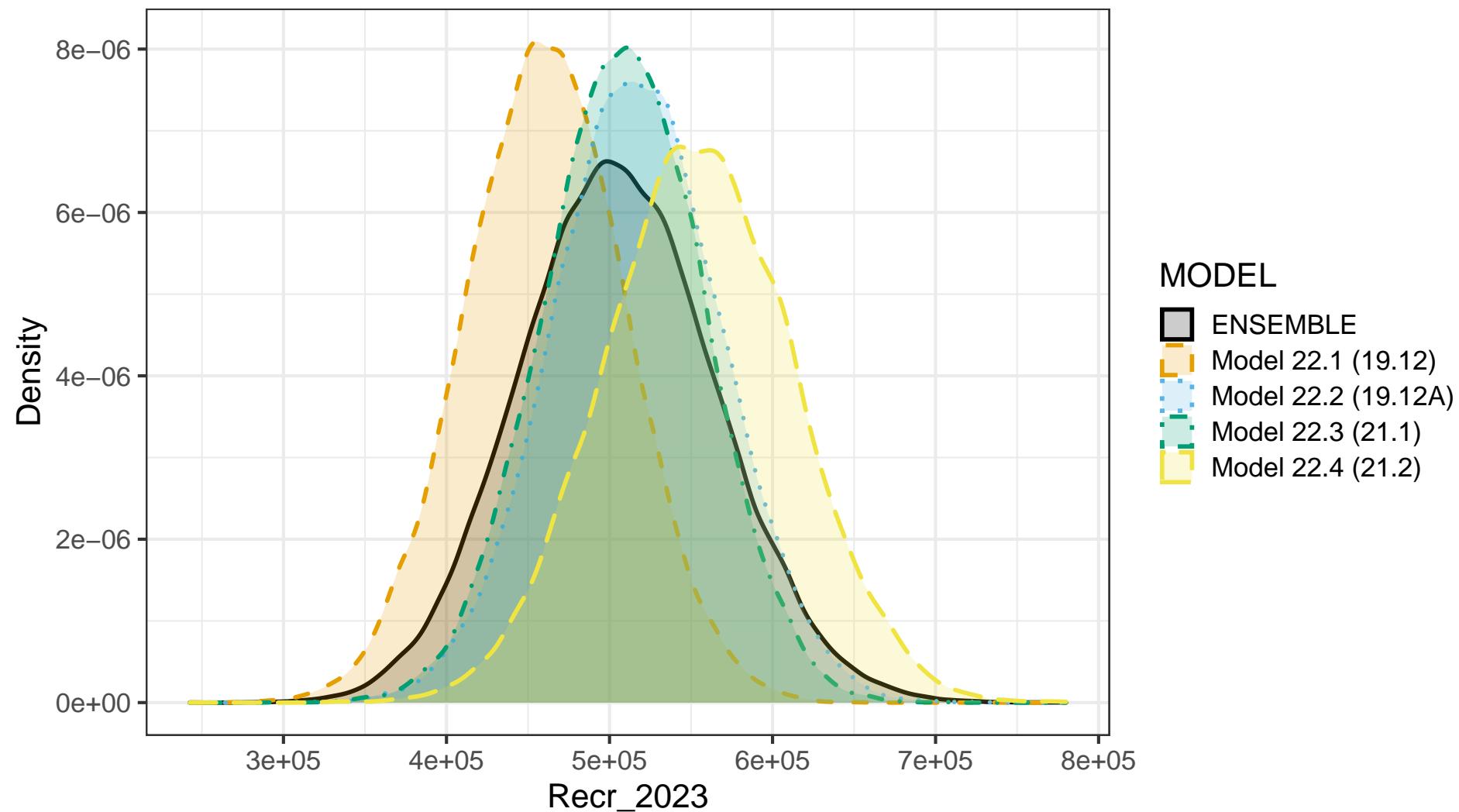
Recr_2021



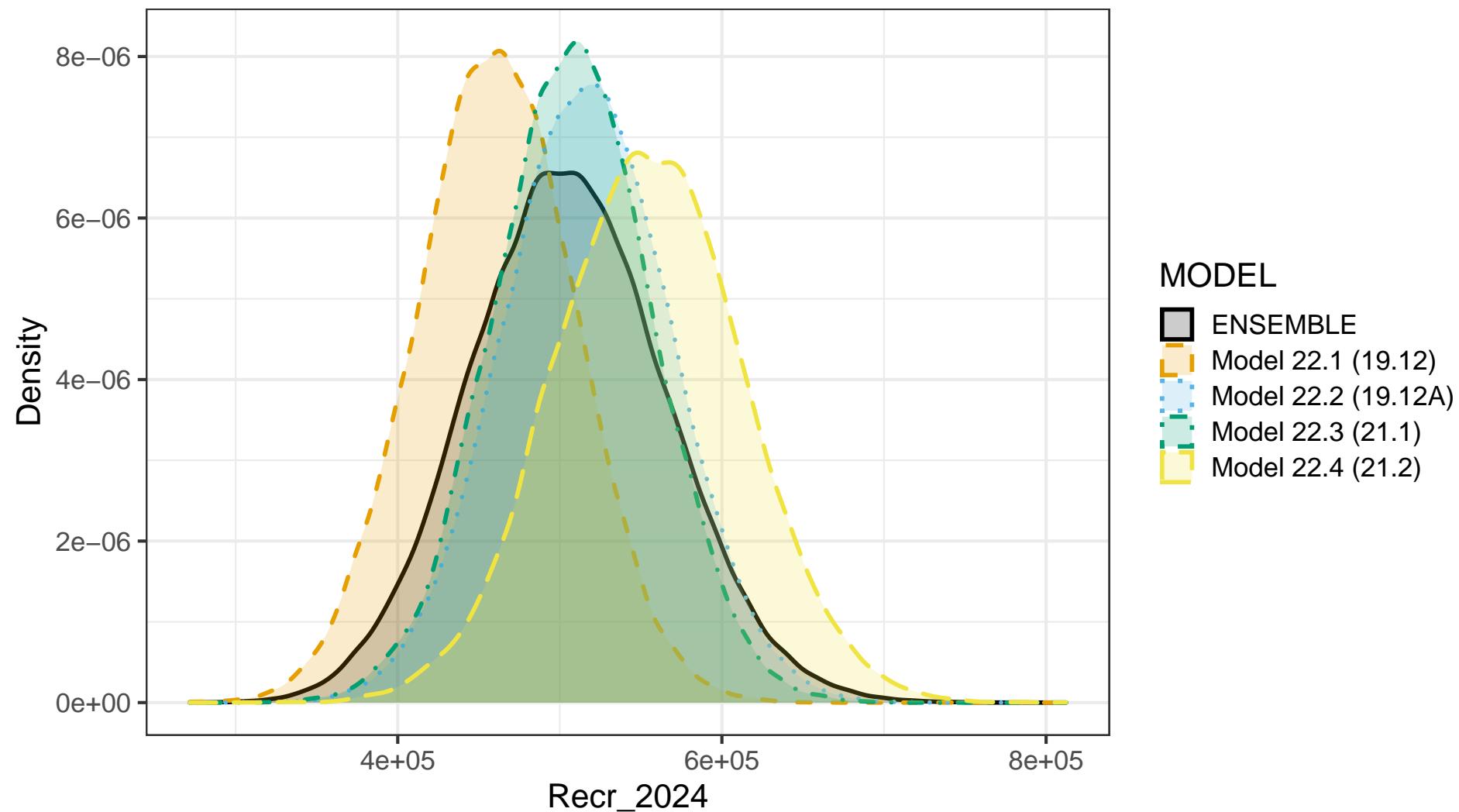
Recr_2022



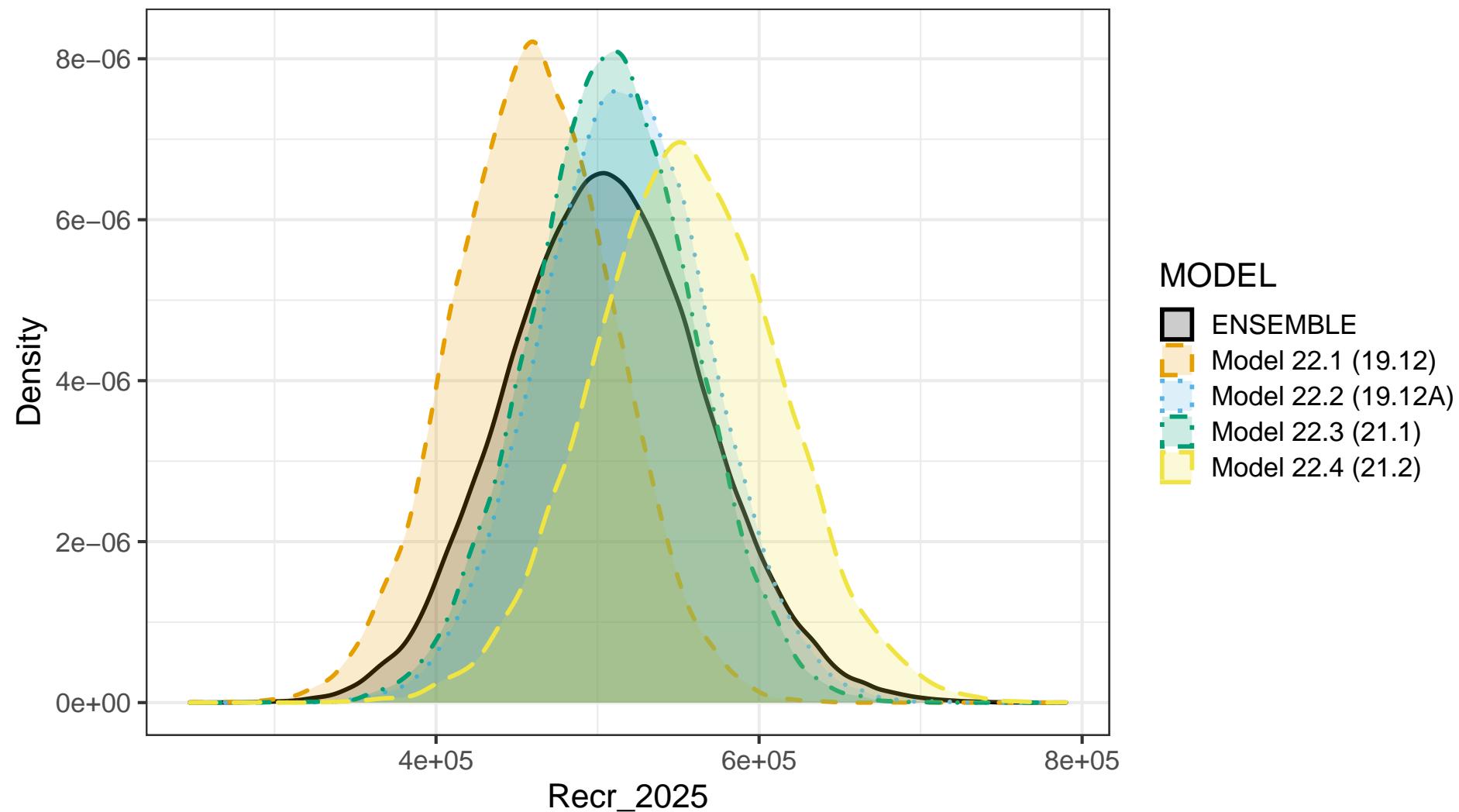
Recr_2023



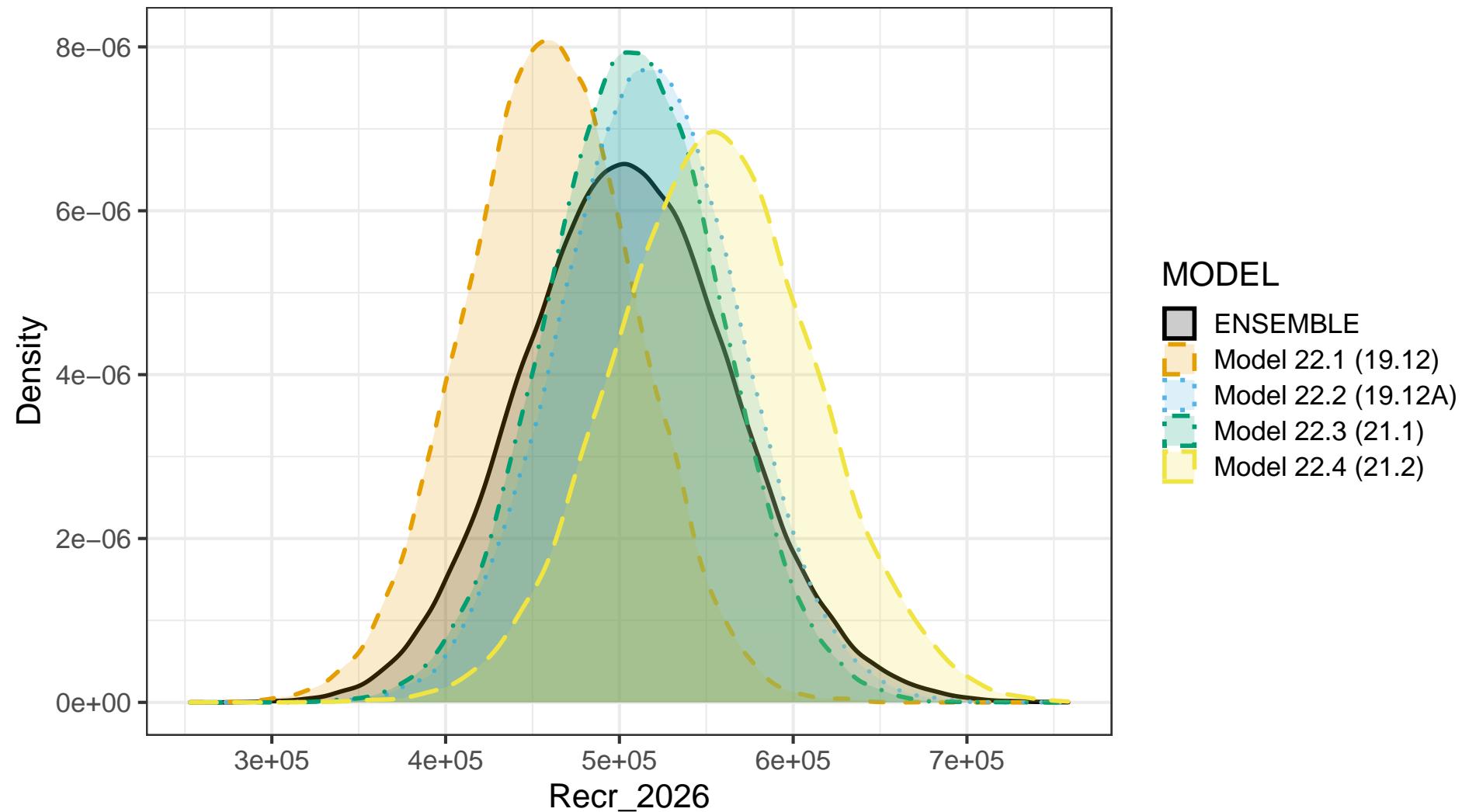
Recr_2024



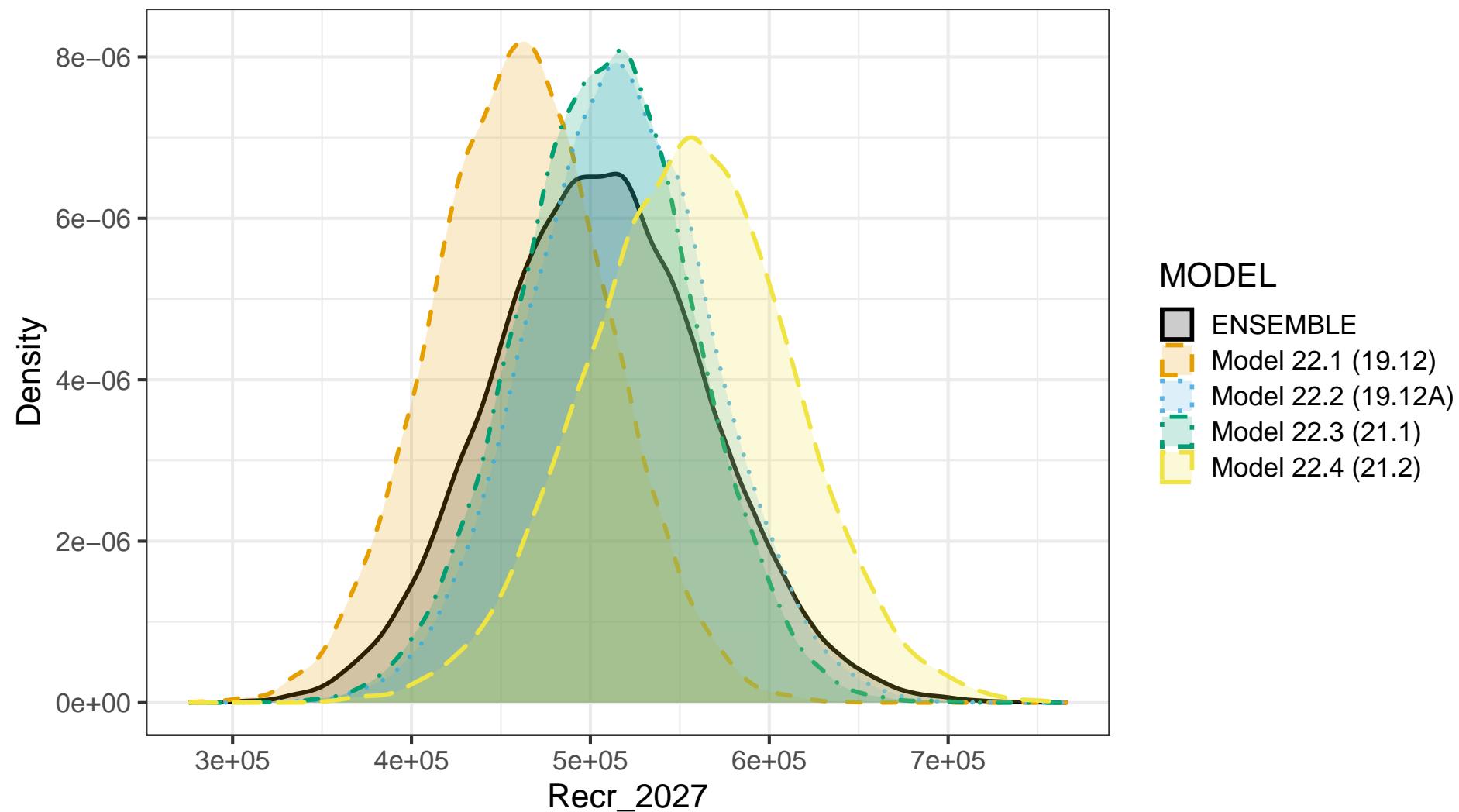
Recr_2025



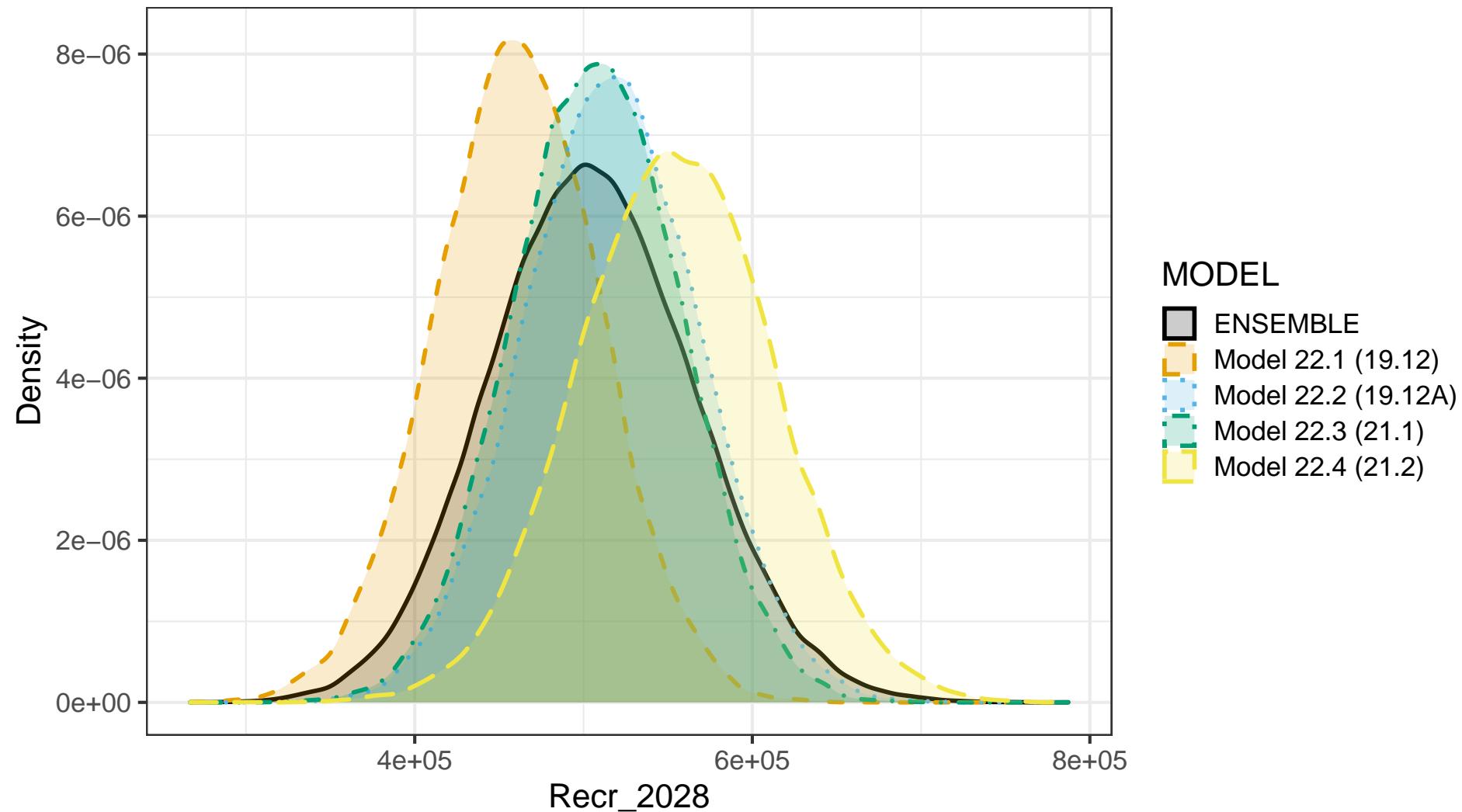
Recr_2026



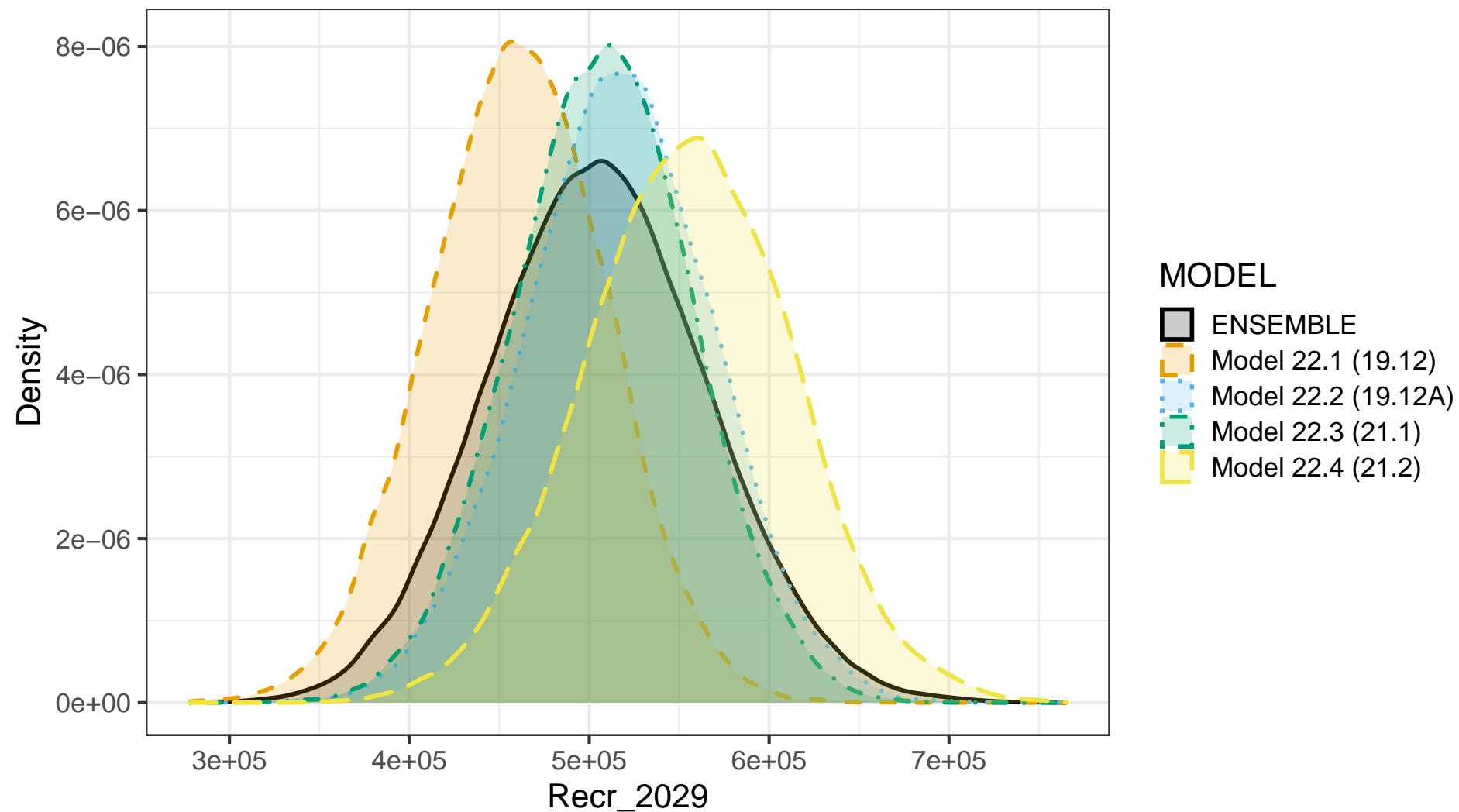
Recr_2027



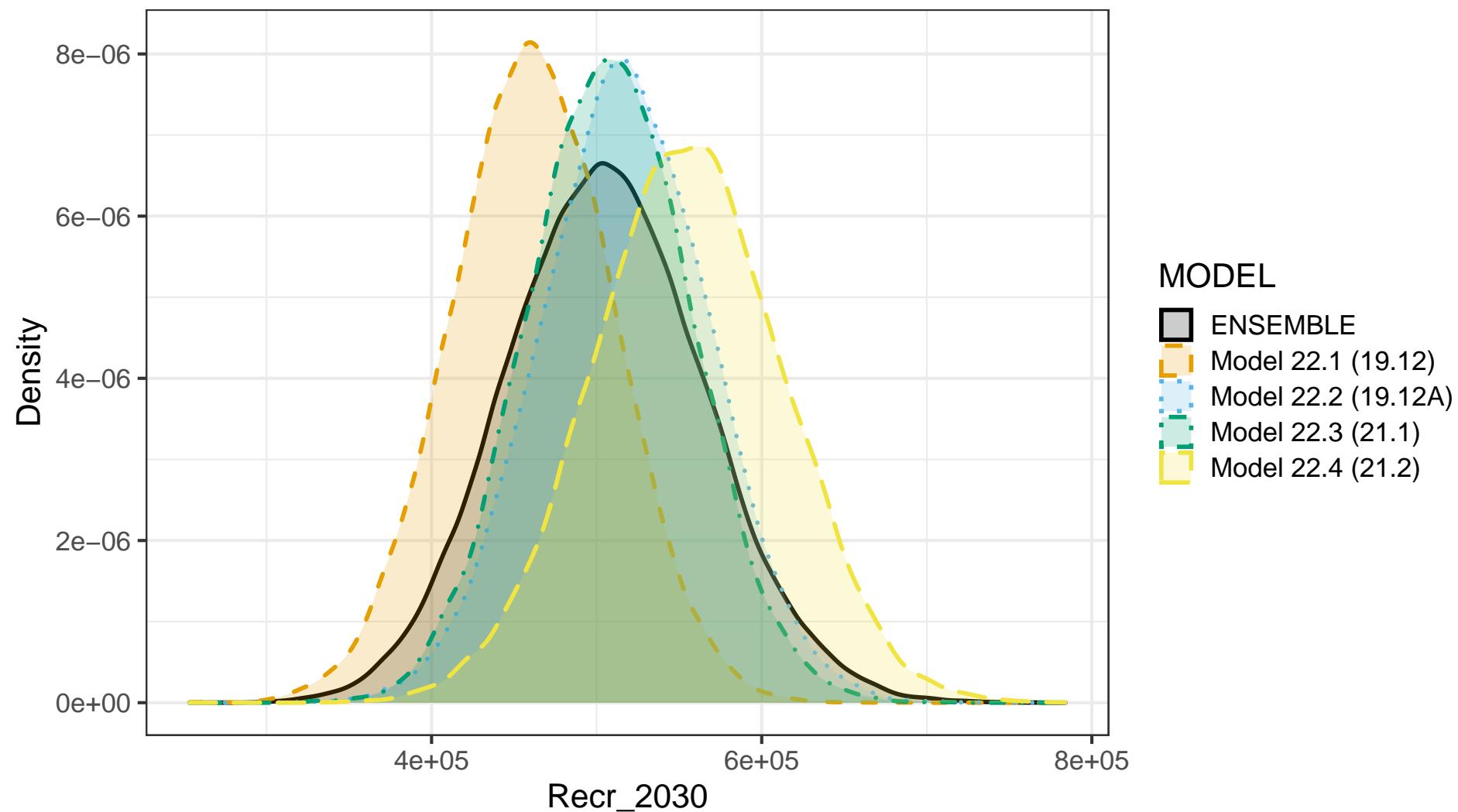
Recr_2028



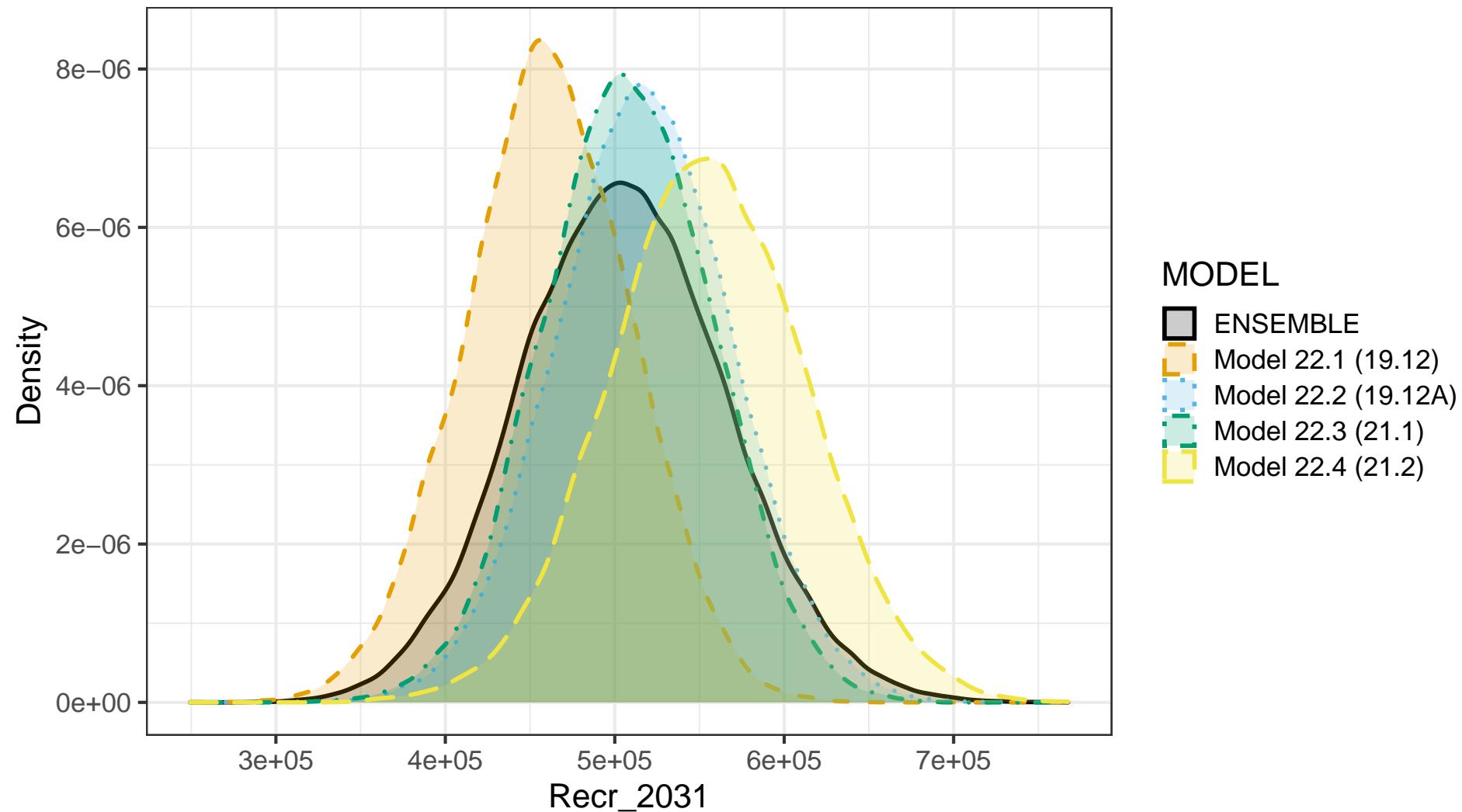
Recr_2029



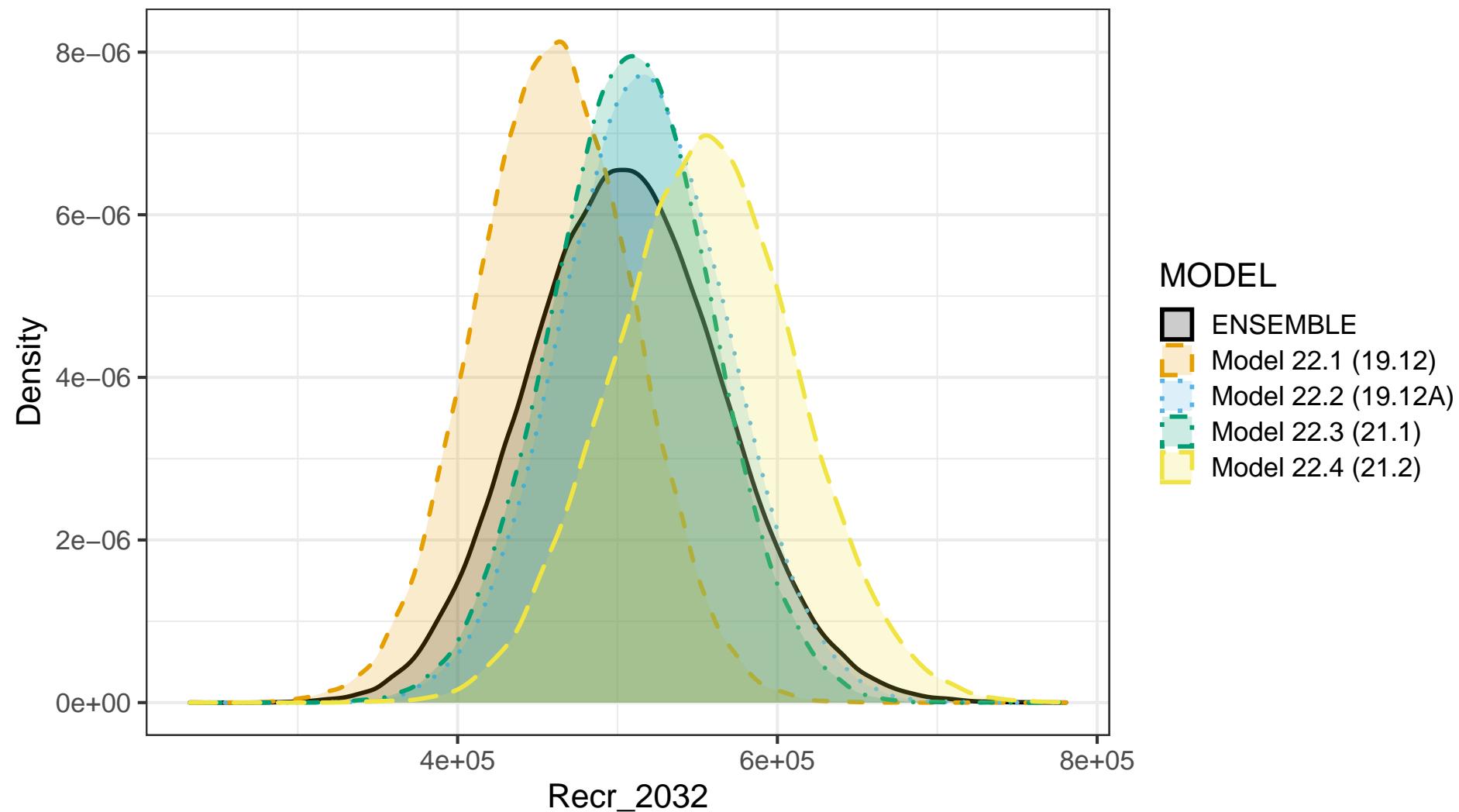
Recr_2030



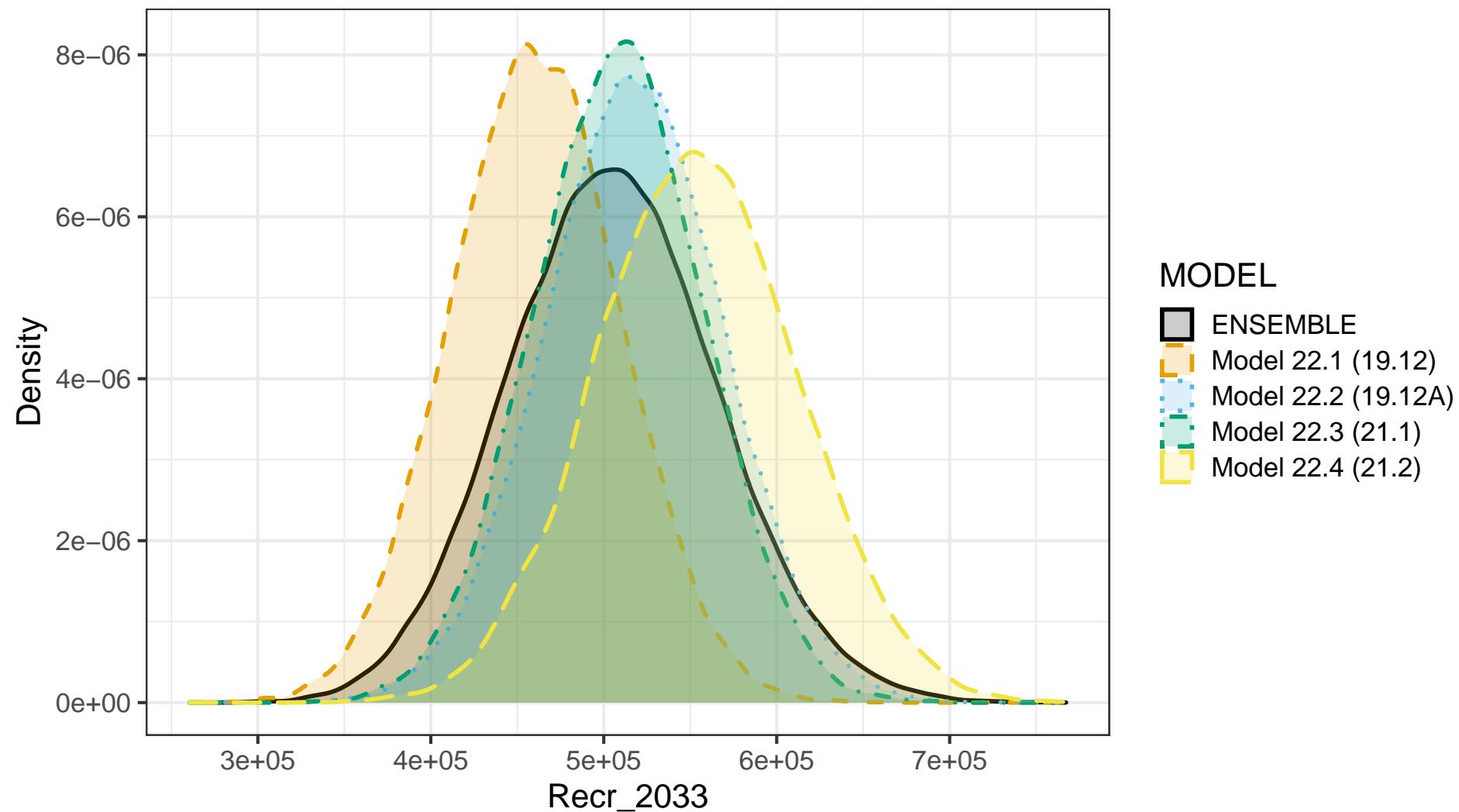
Recr_2031



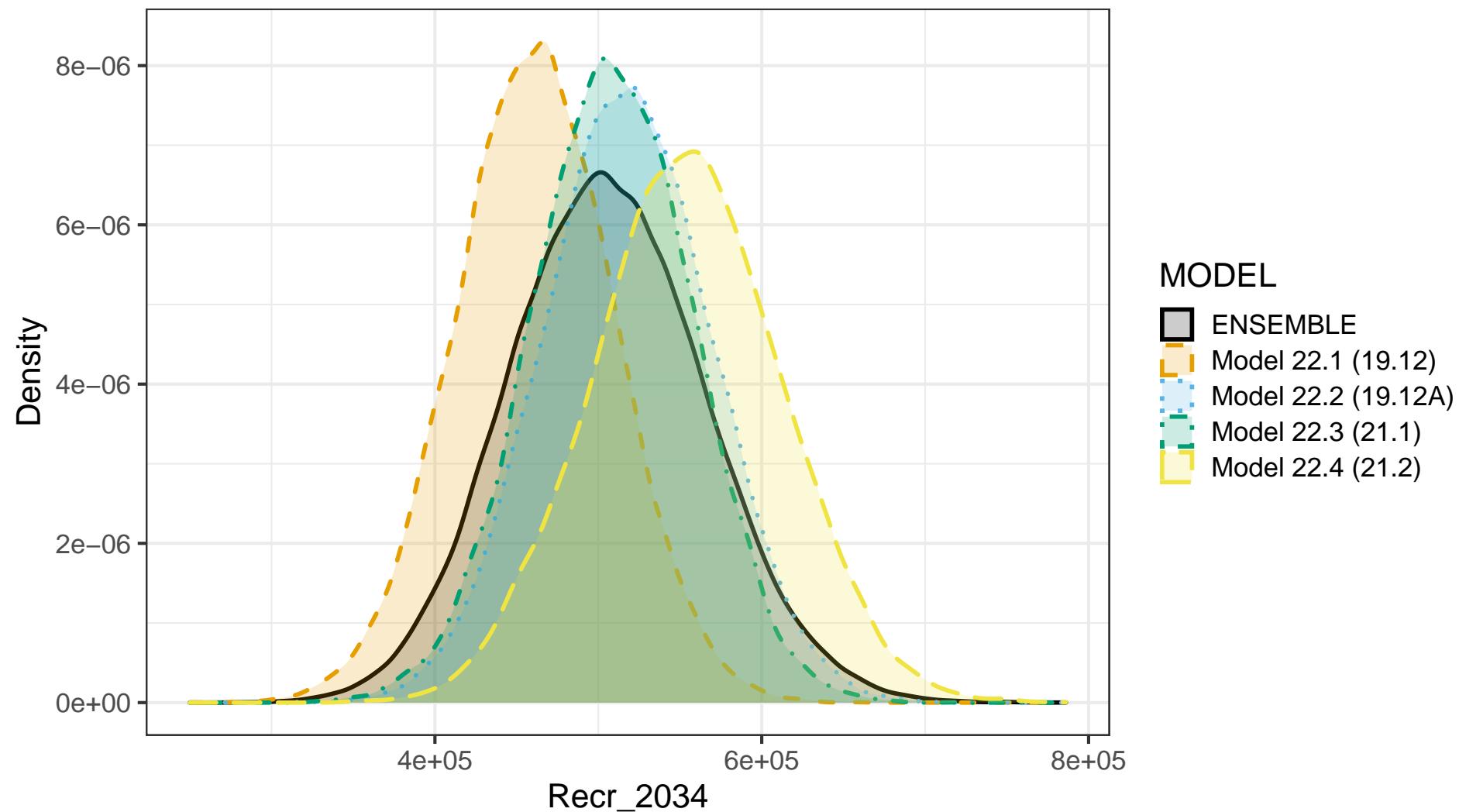
Recr_2032



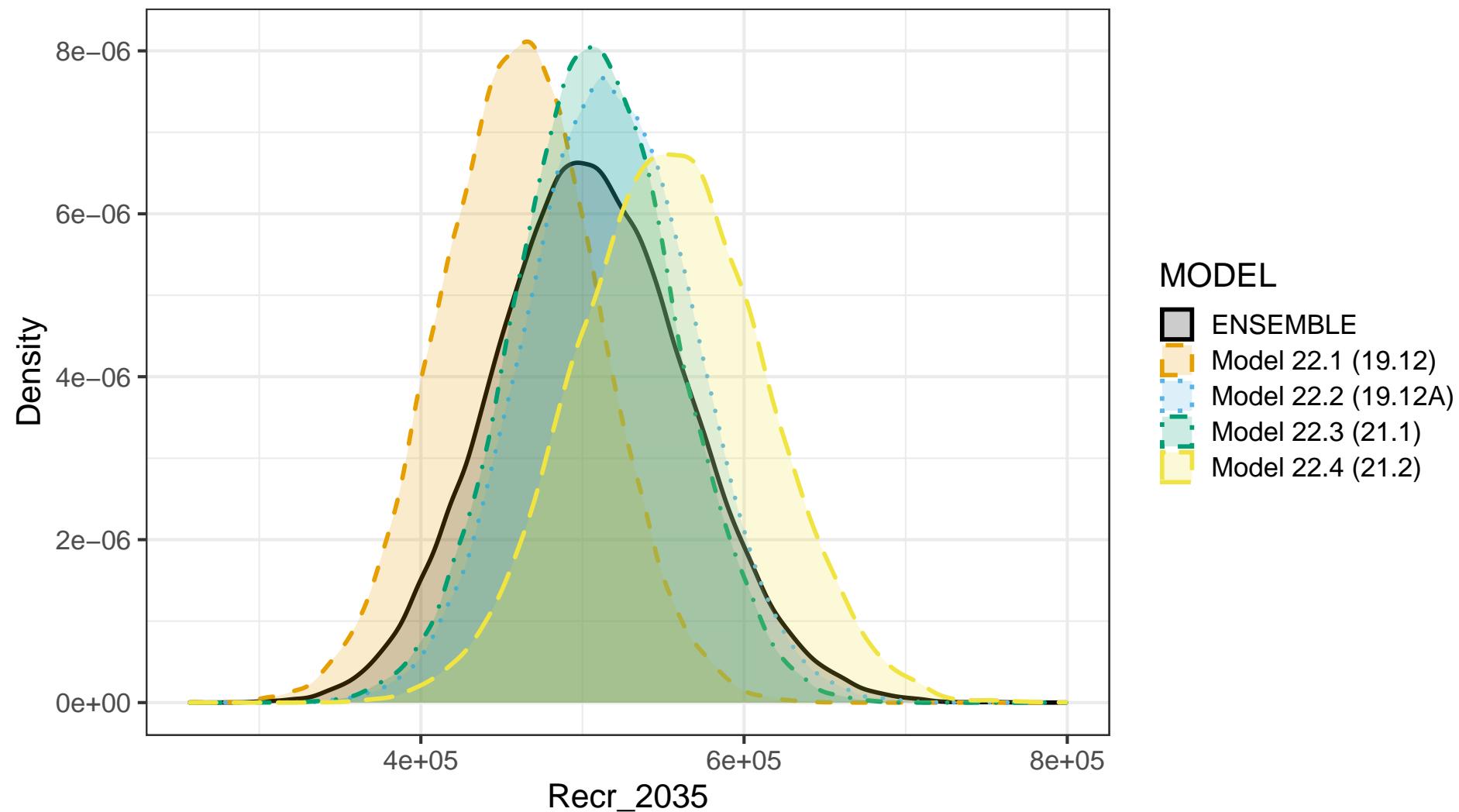
Recr_2033



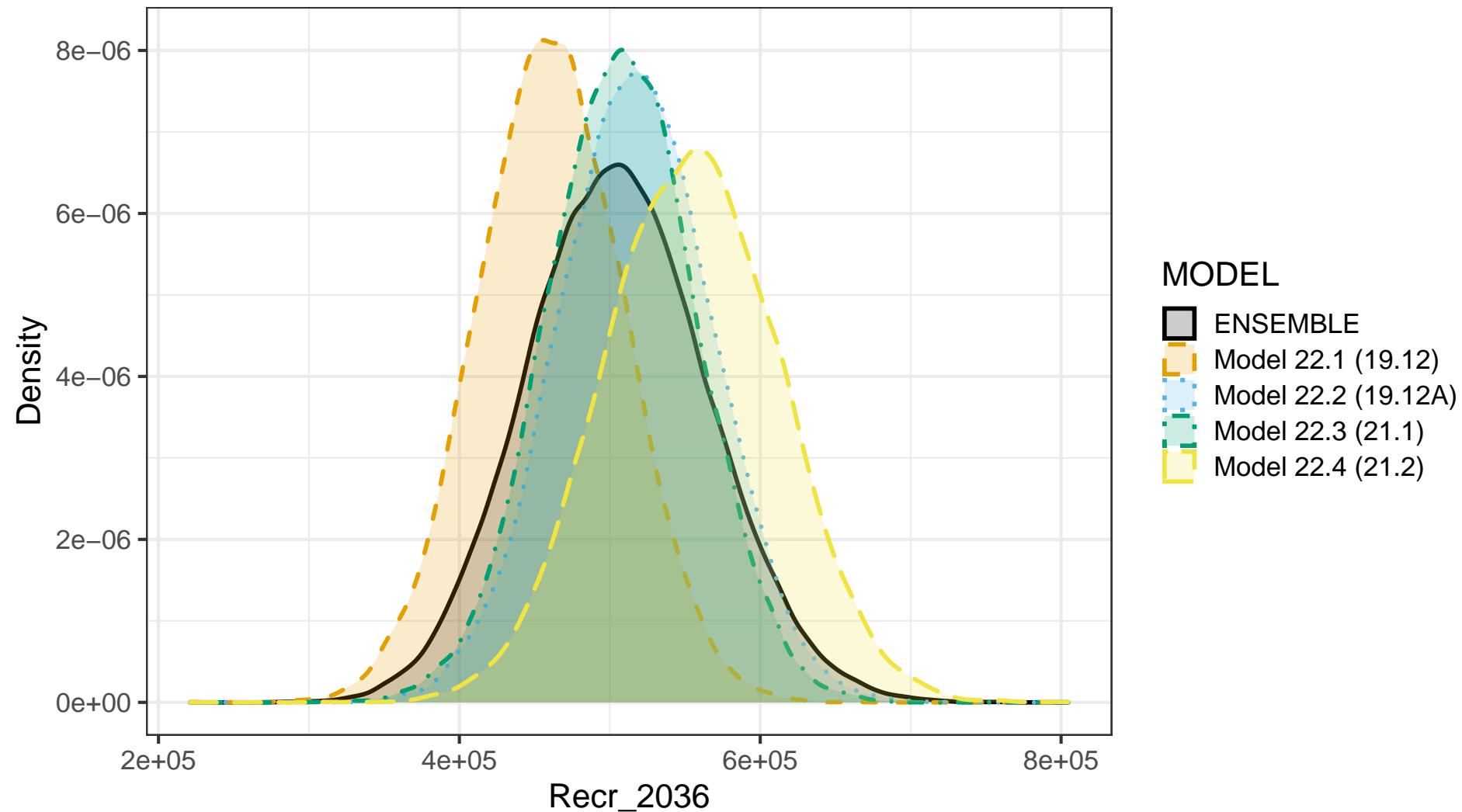
Recr_2034



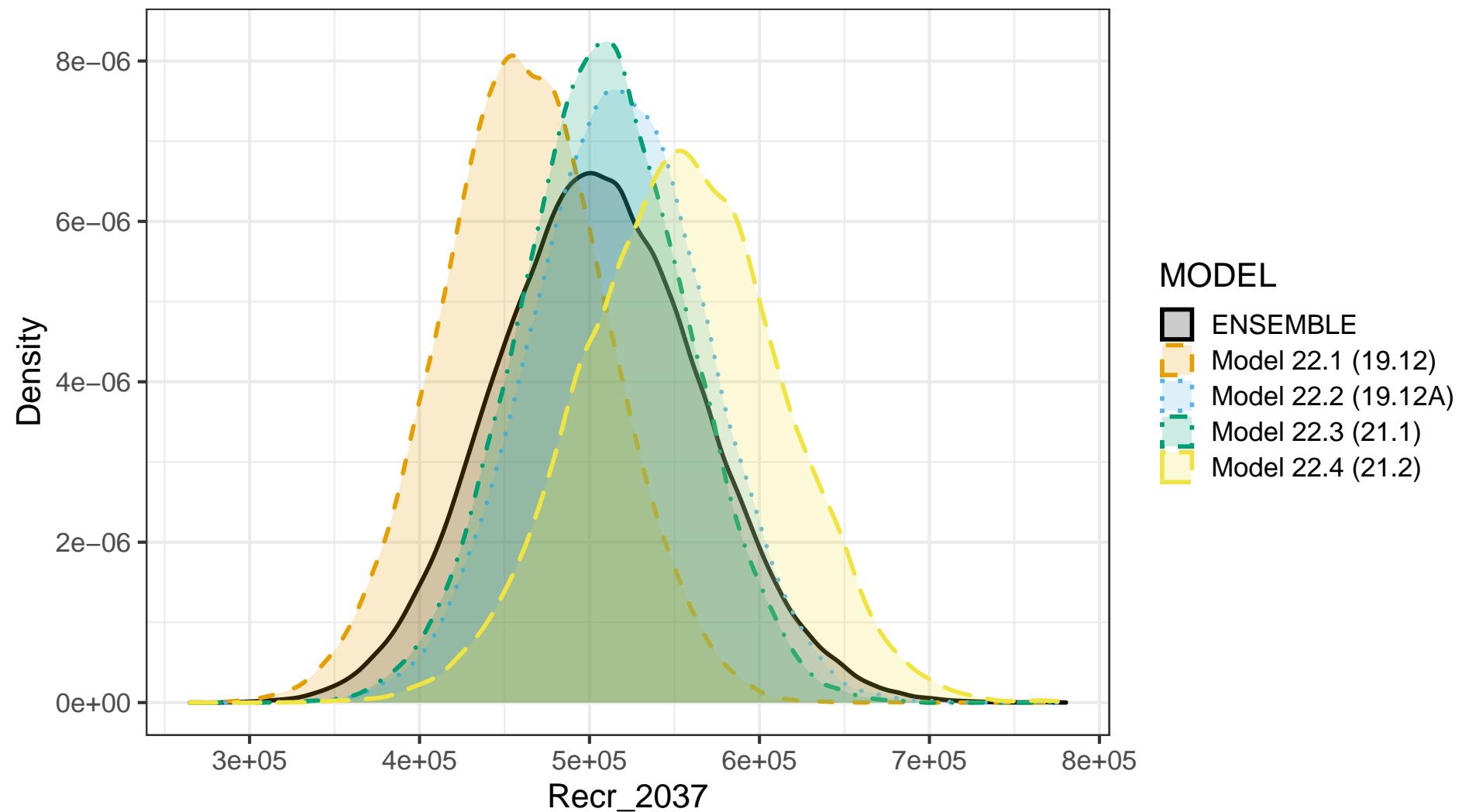
Recr_2035



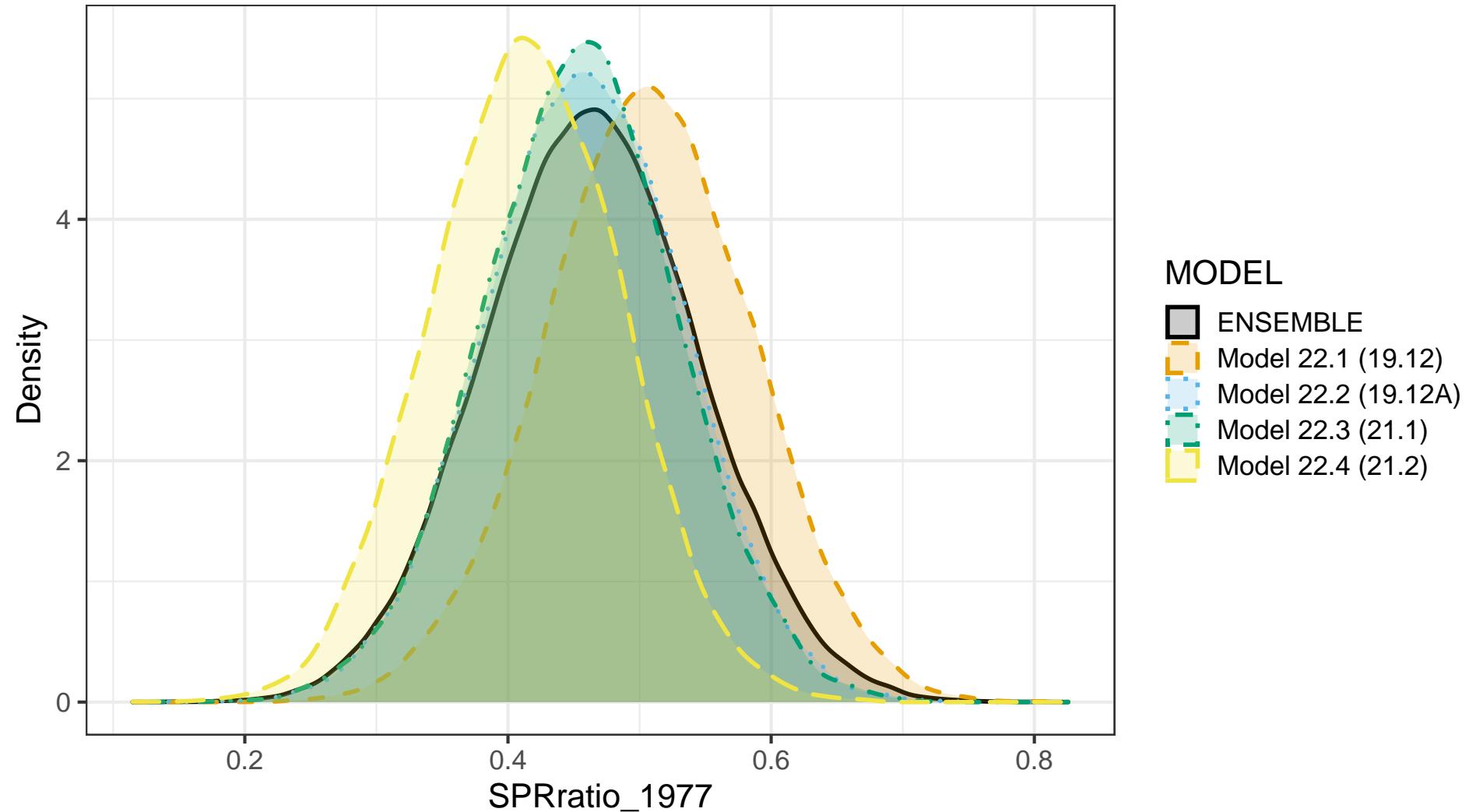
Recr_2036



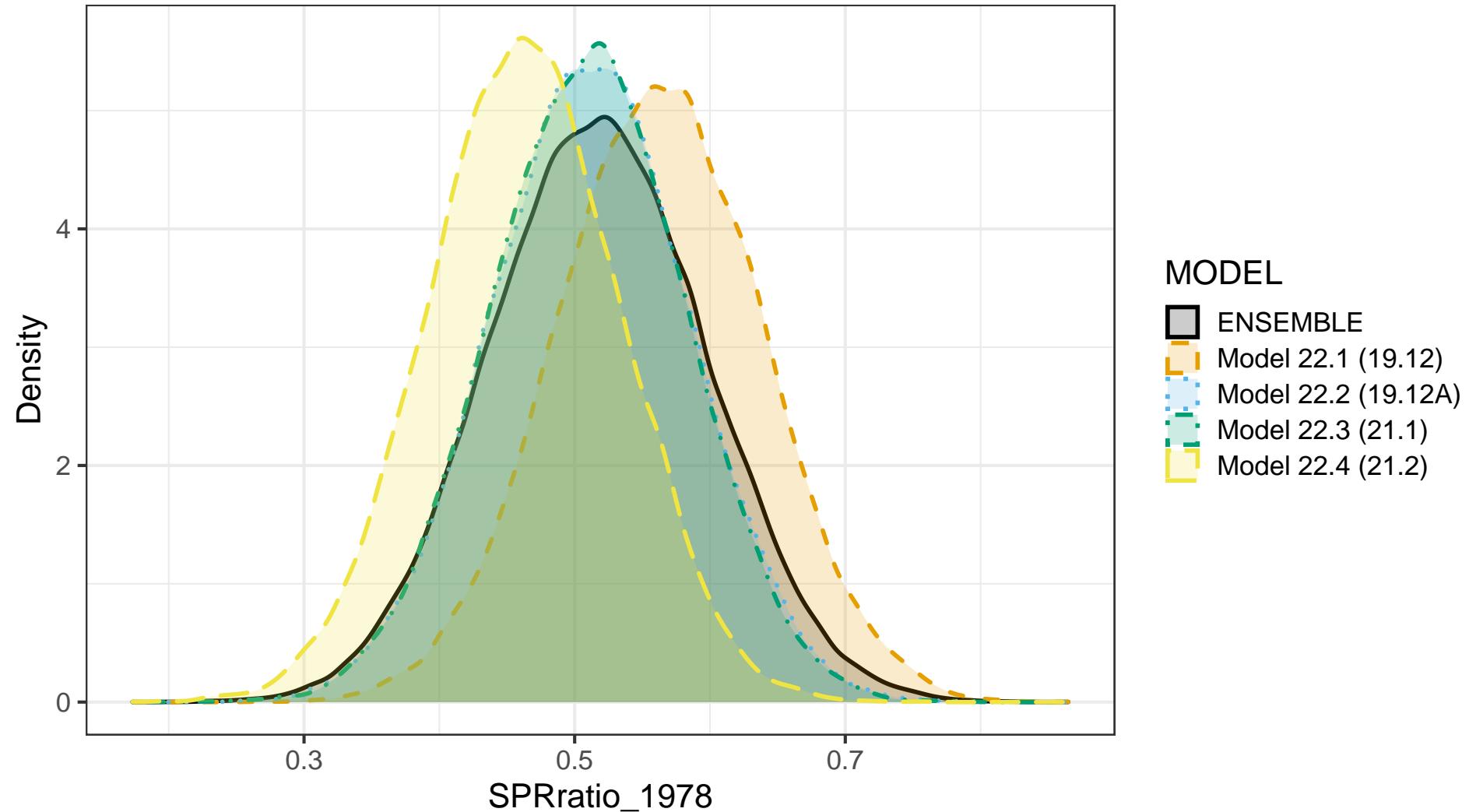
Recr_2037



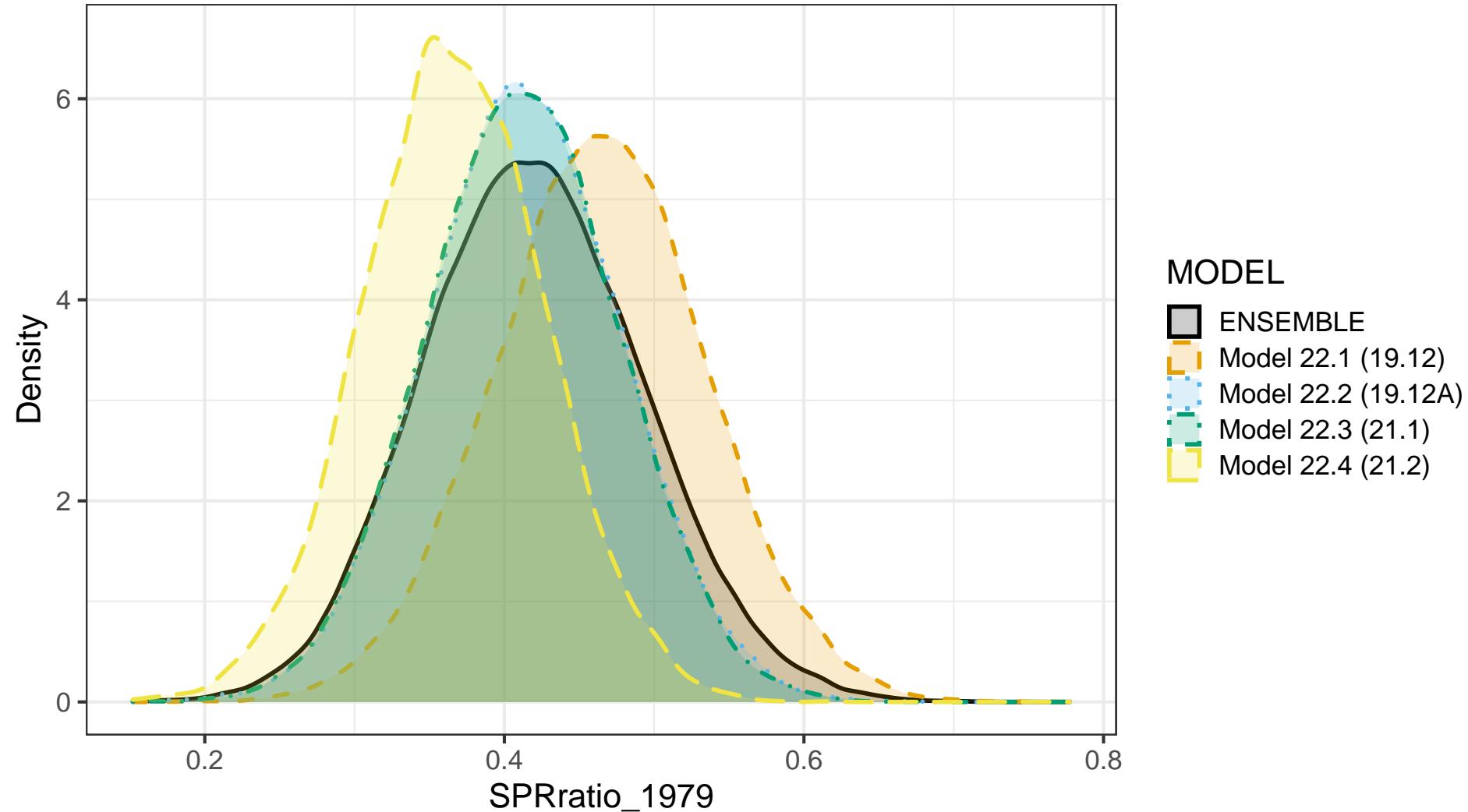
SPRratio_1977



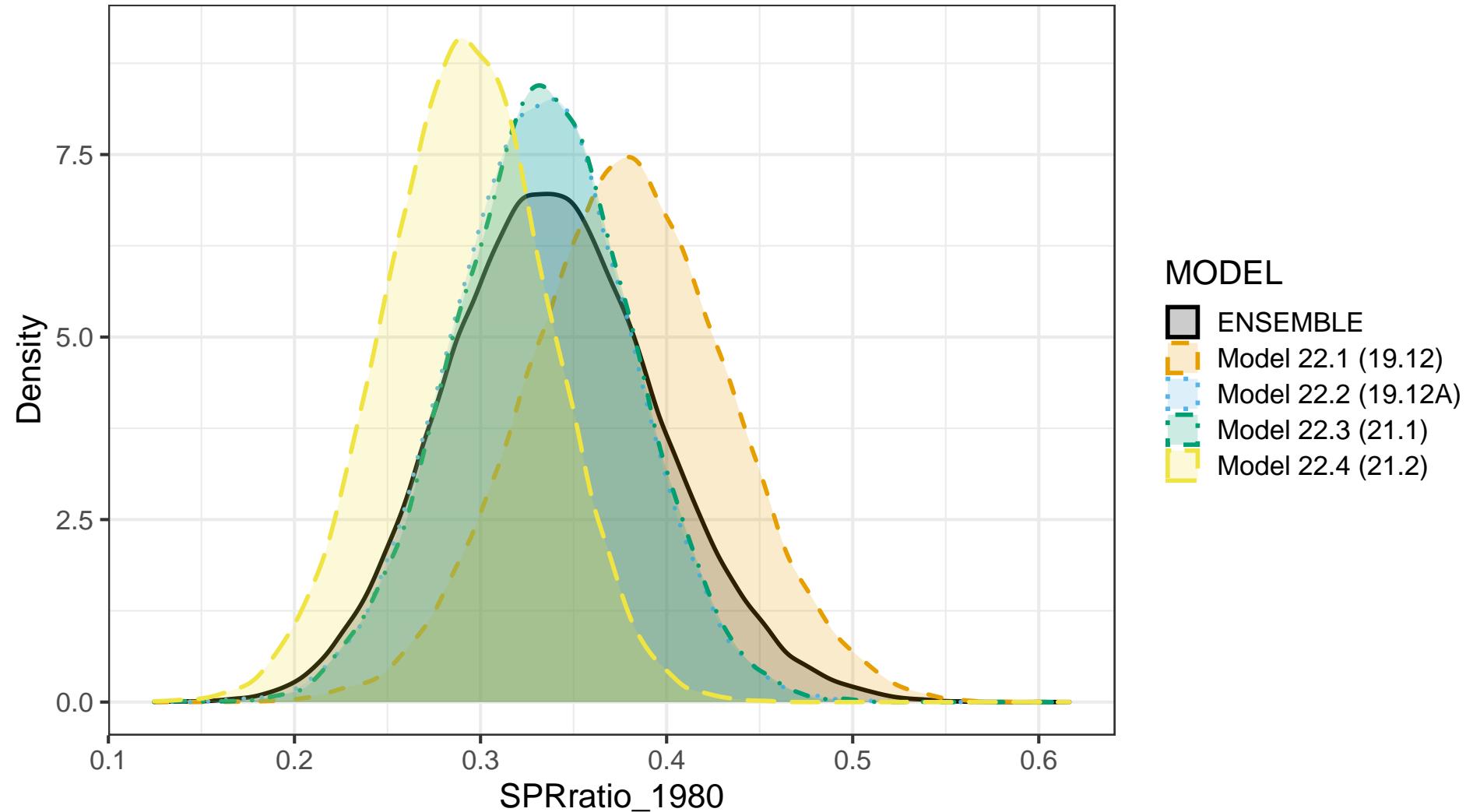
SPRratio_1978



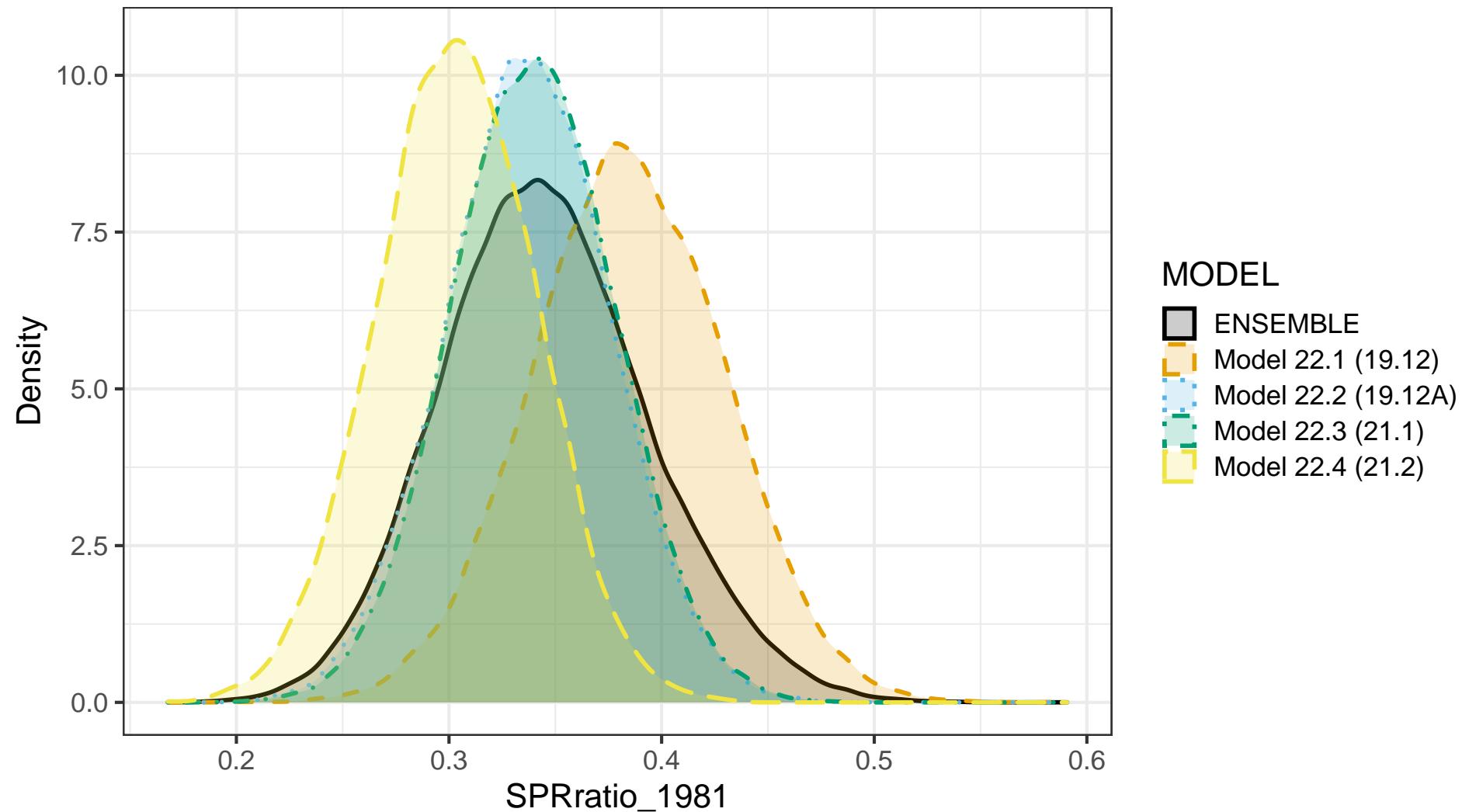
SPRratio_1979



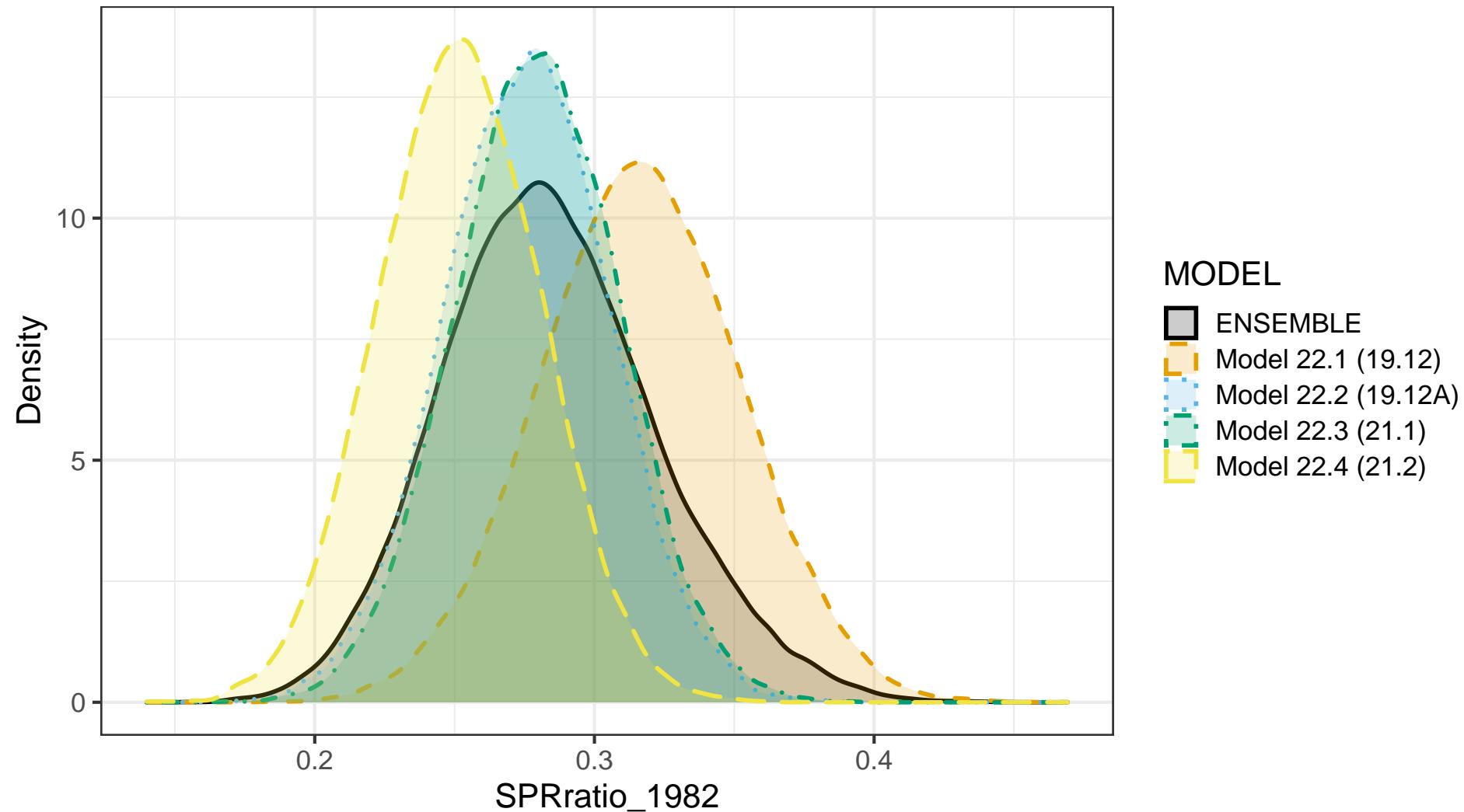
SPRratio_1980



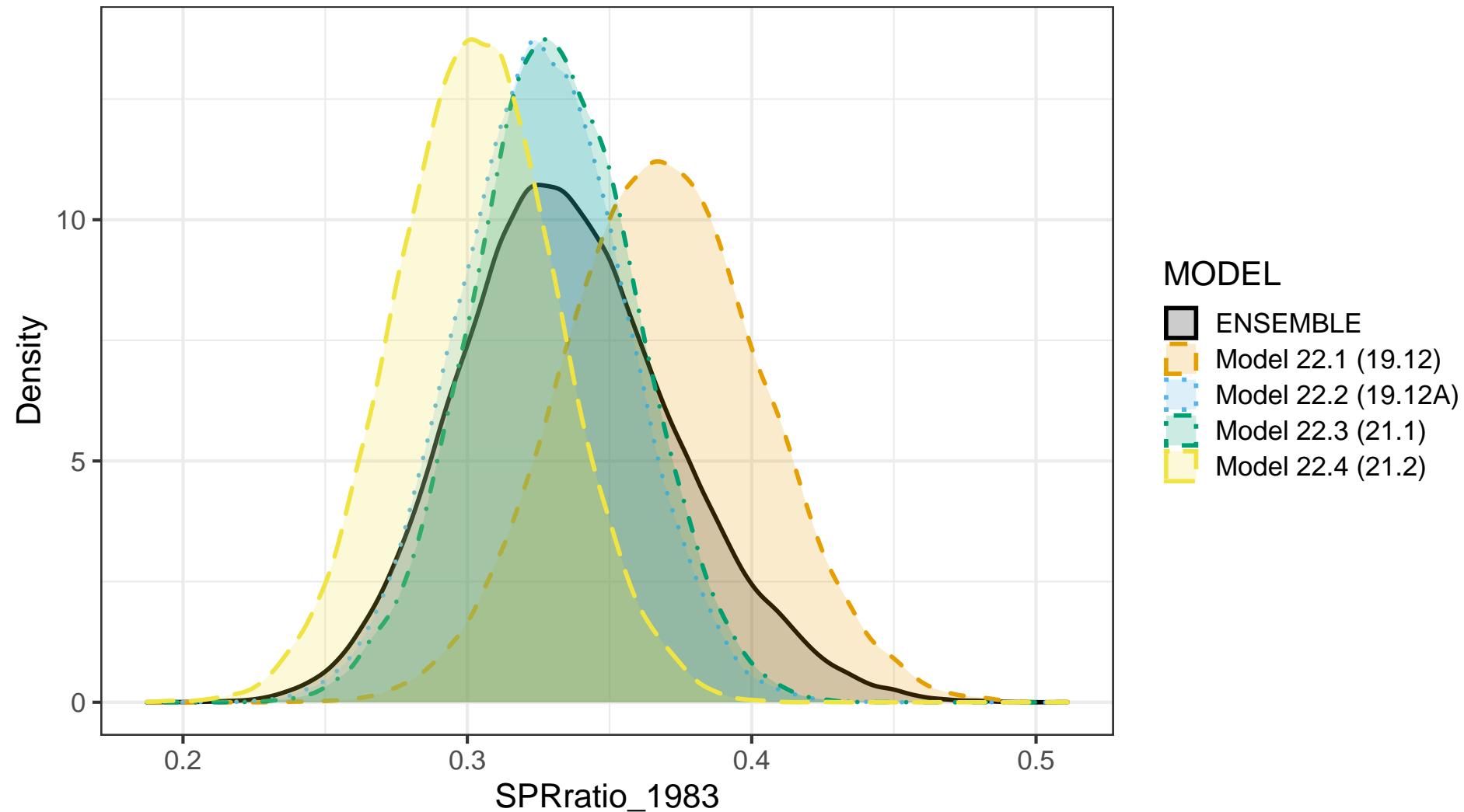
SPRratio_1981



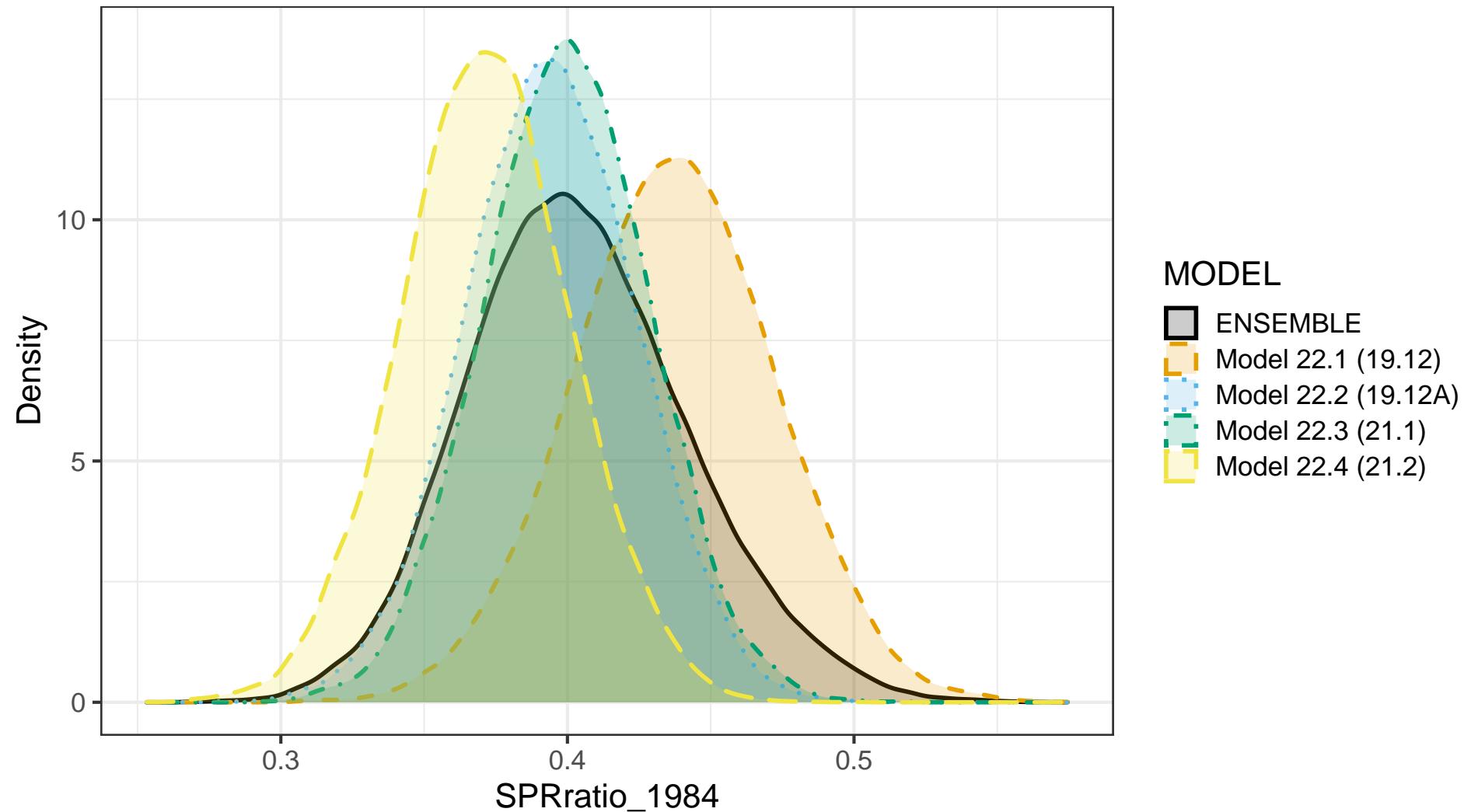
SPRratio_1982



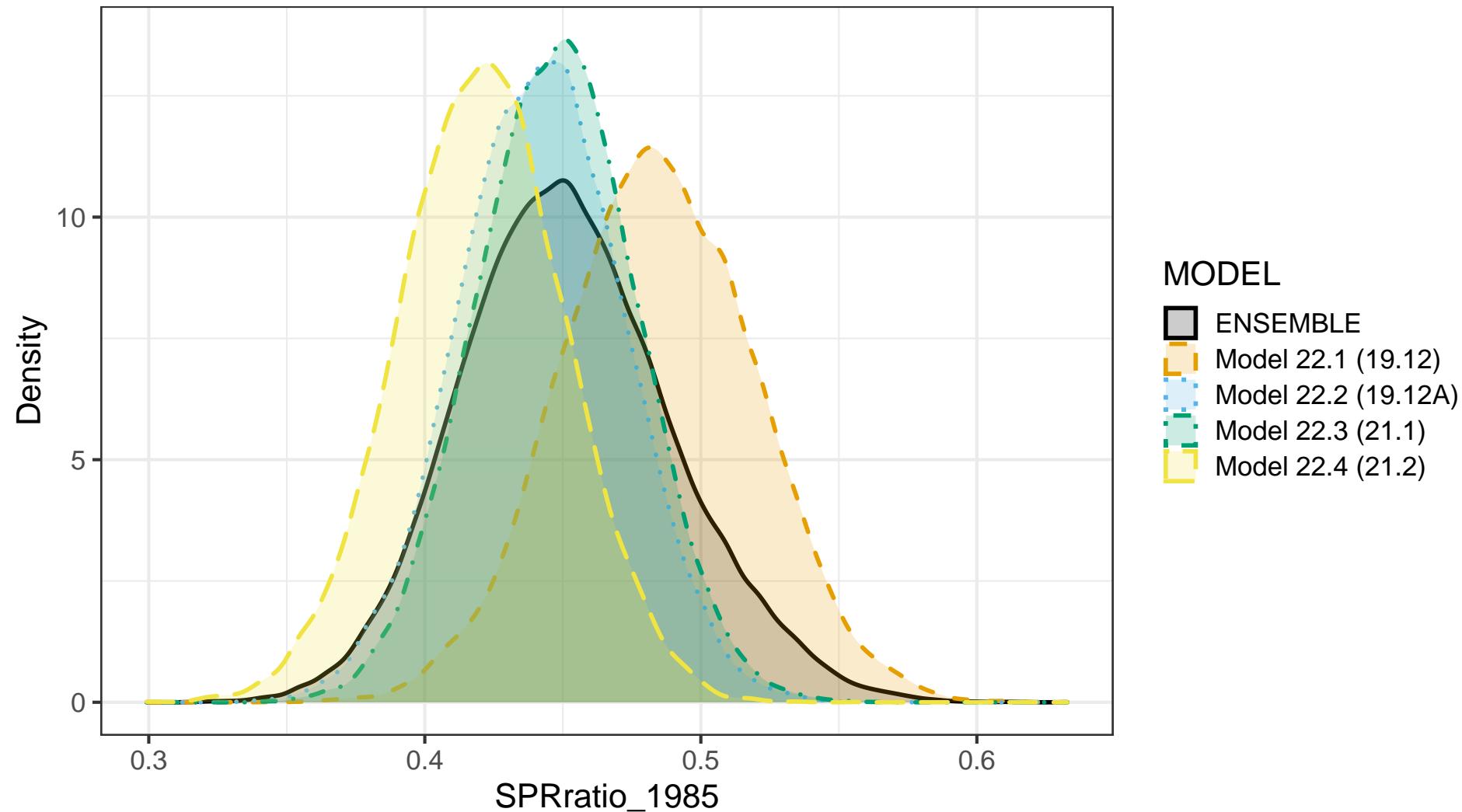
SPRratio_1983



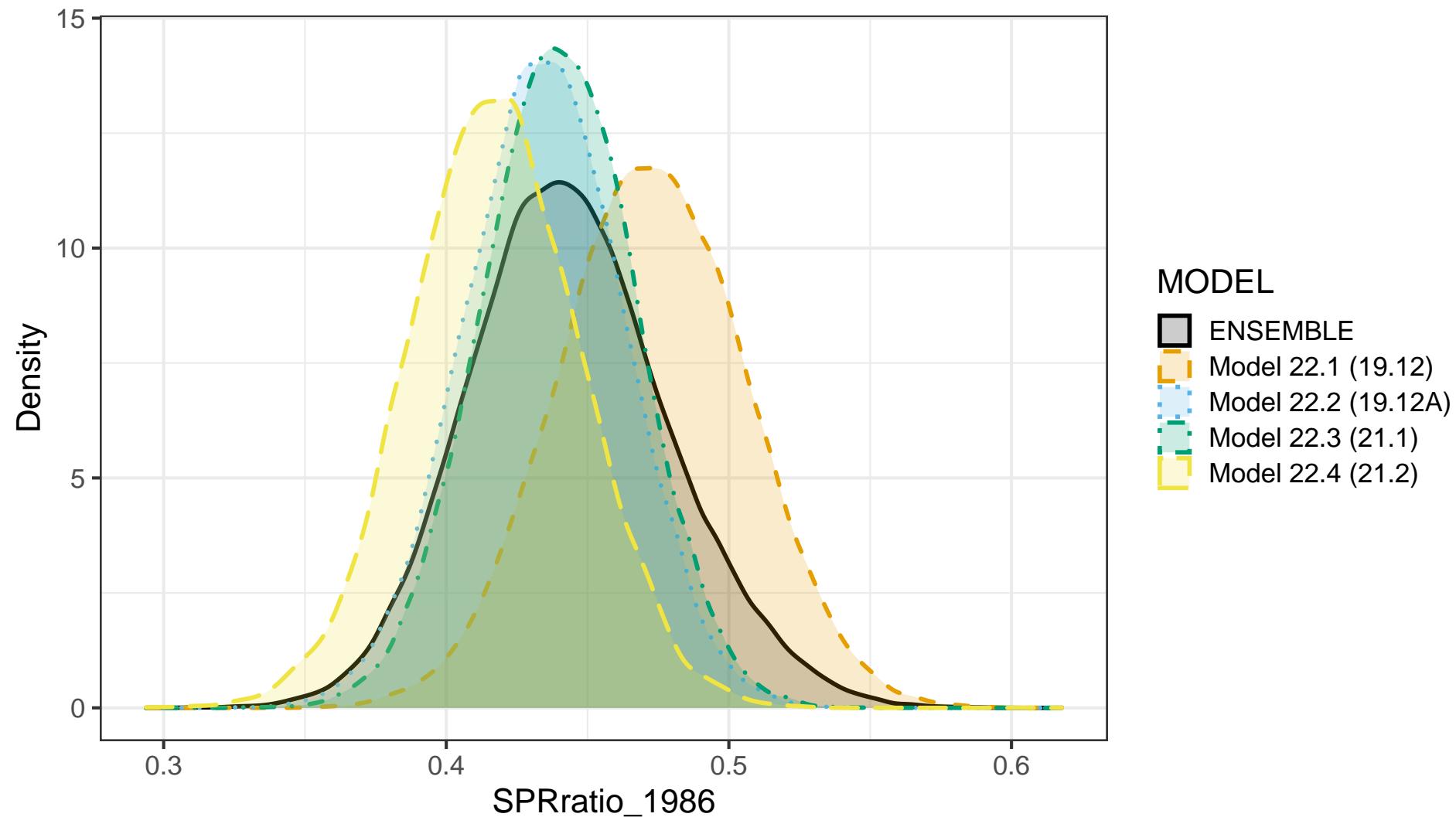
SPRratio_1984



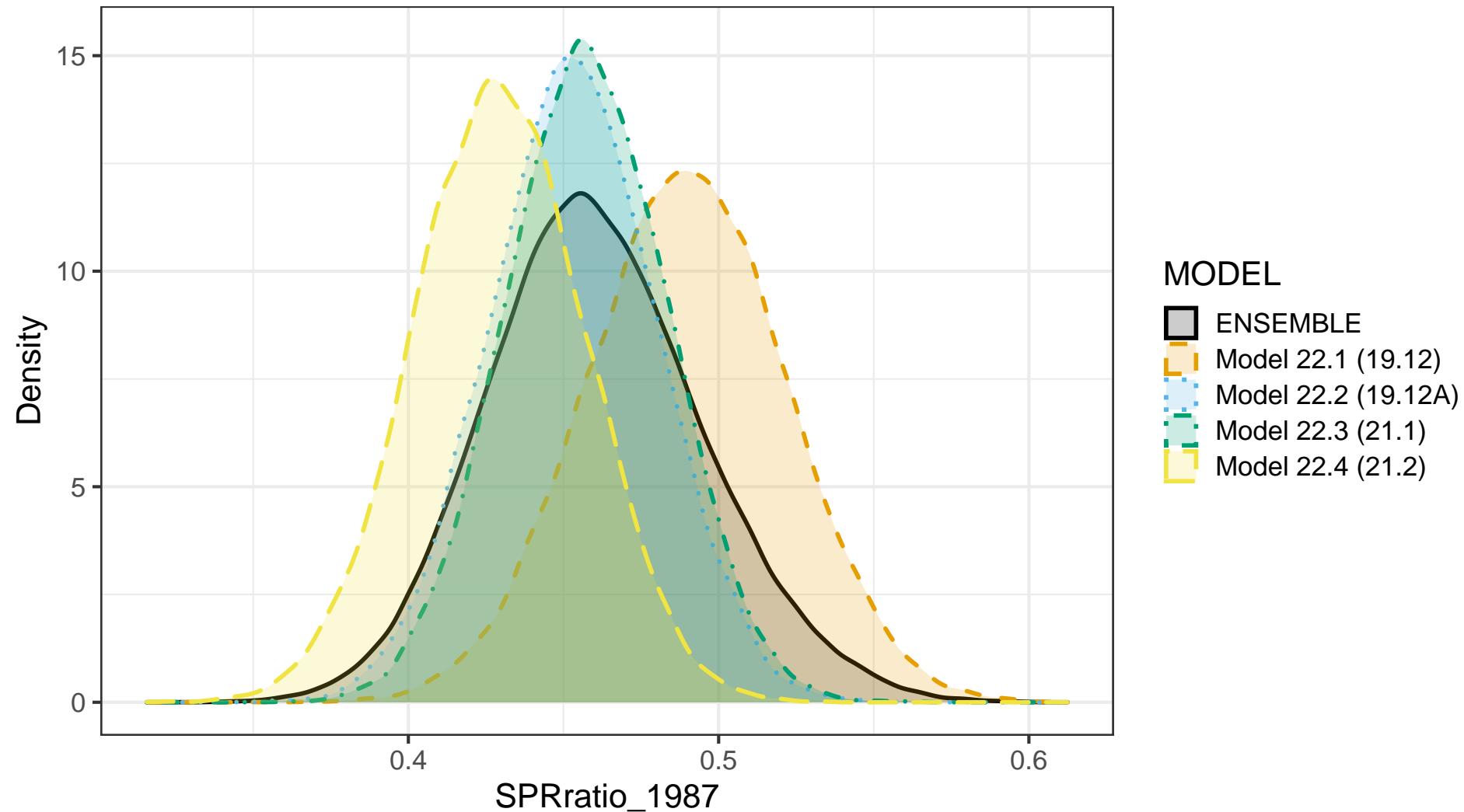
SPRratio_1985



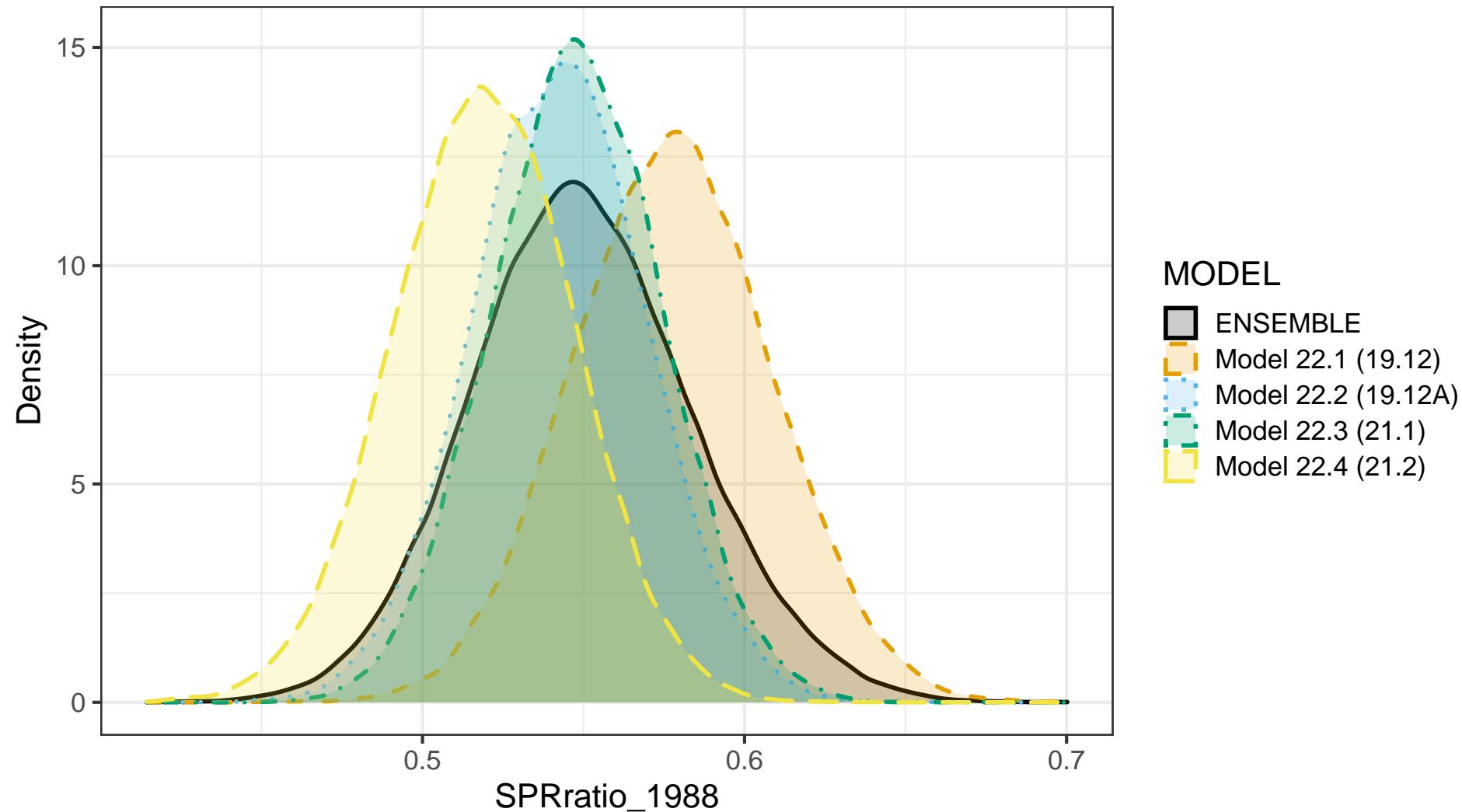
SPRratio_1986



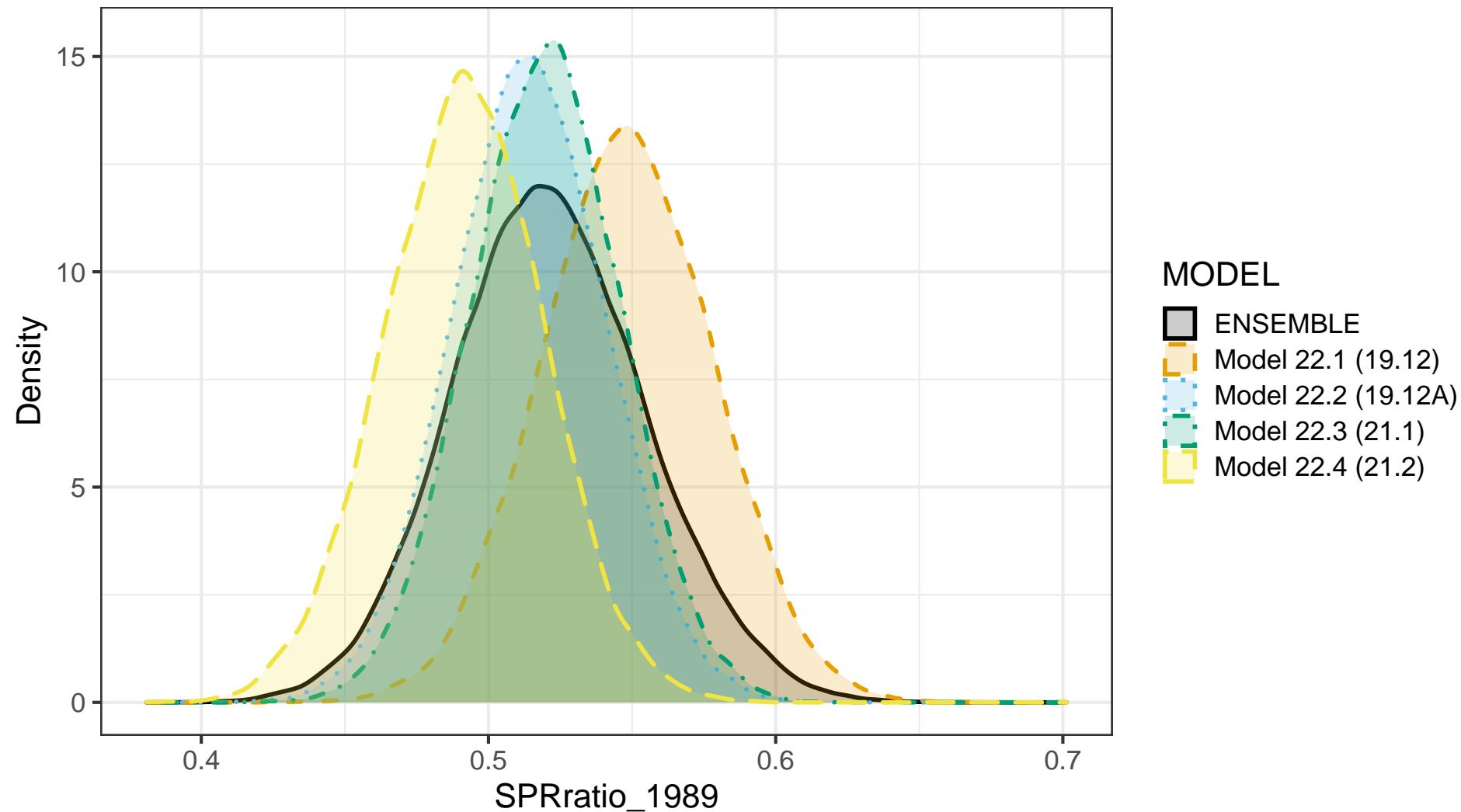
SPRratio_1987



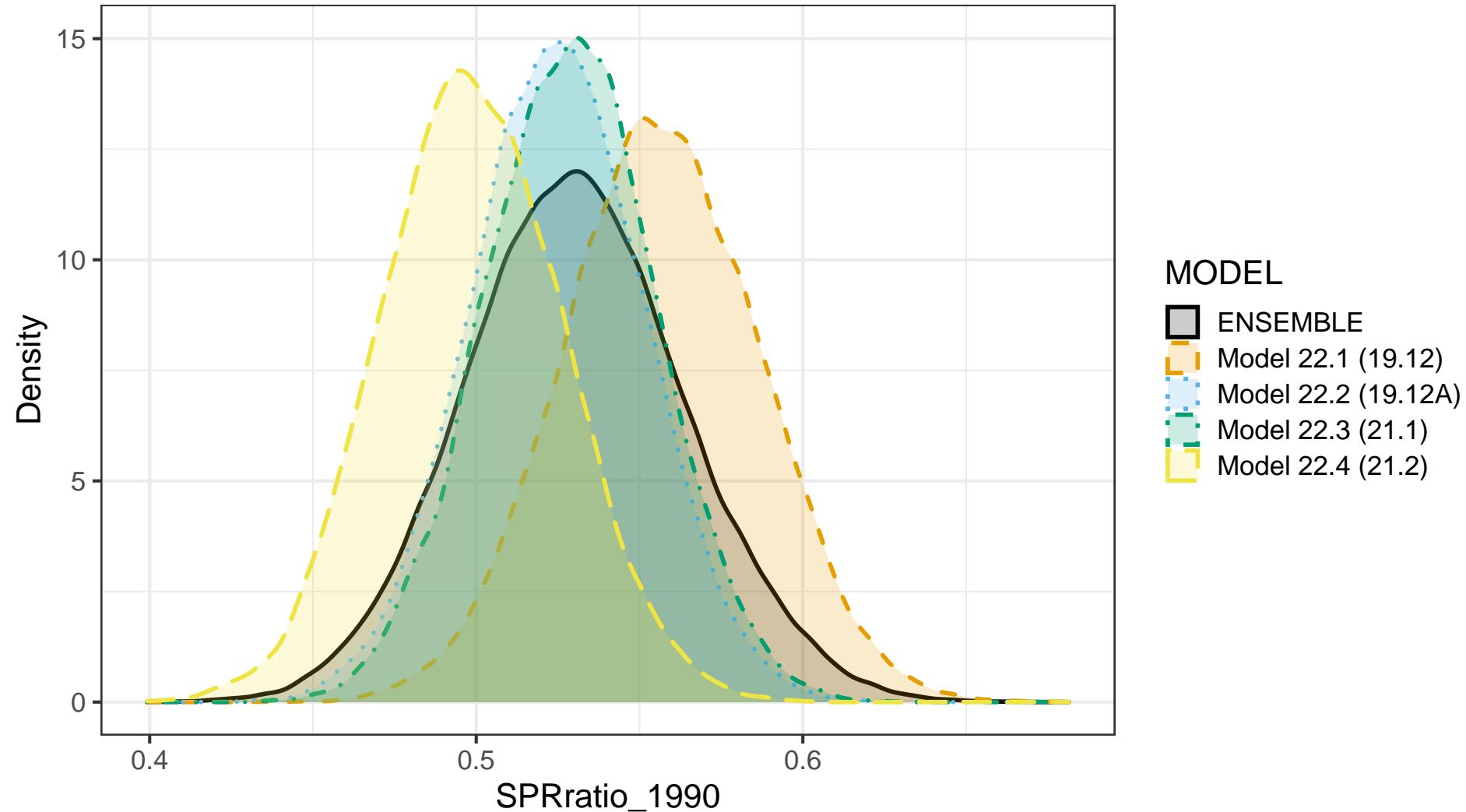
SPRratio_1988



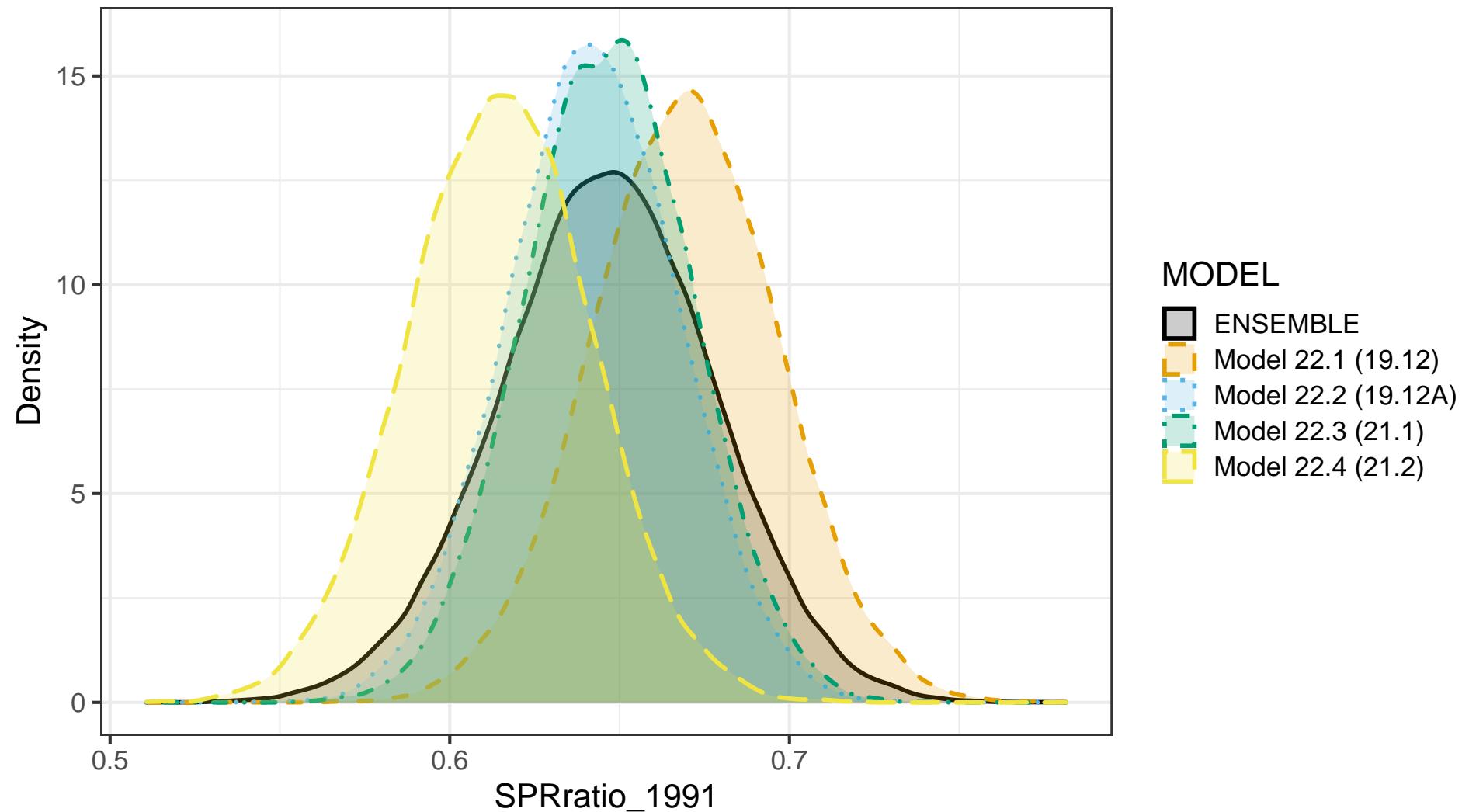
SPRratio_1989



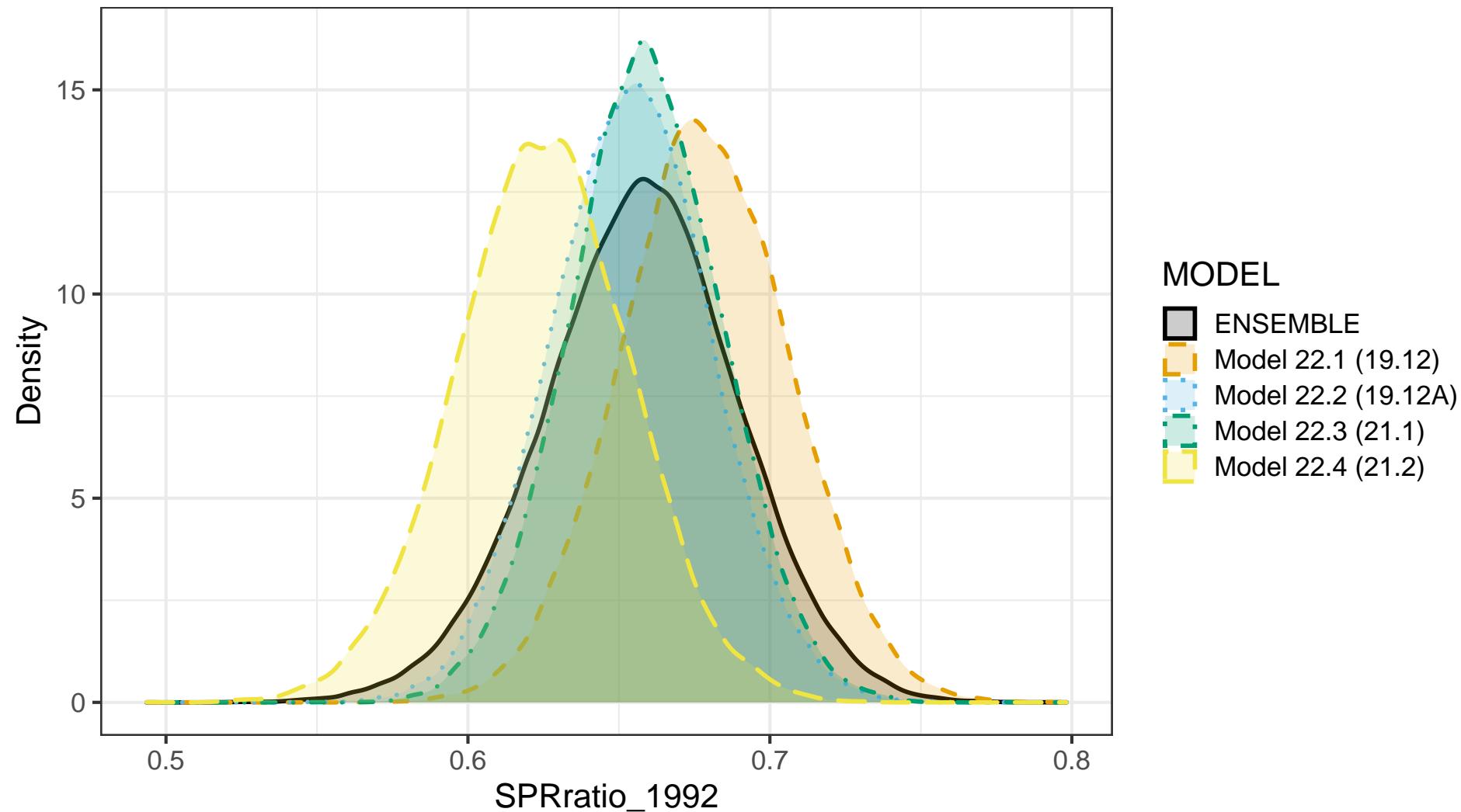
SPRratio_1990



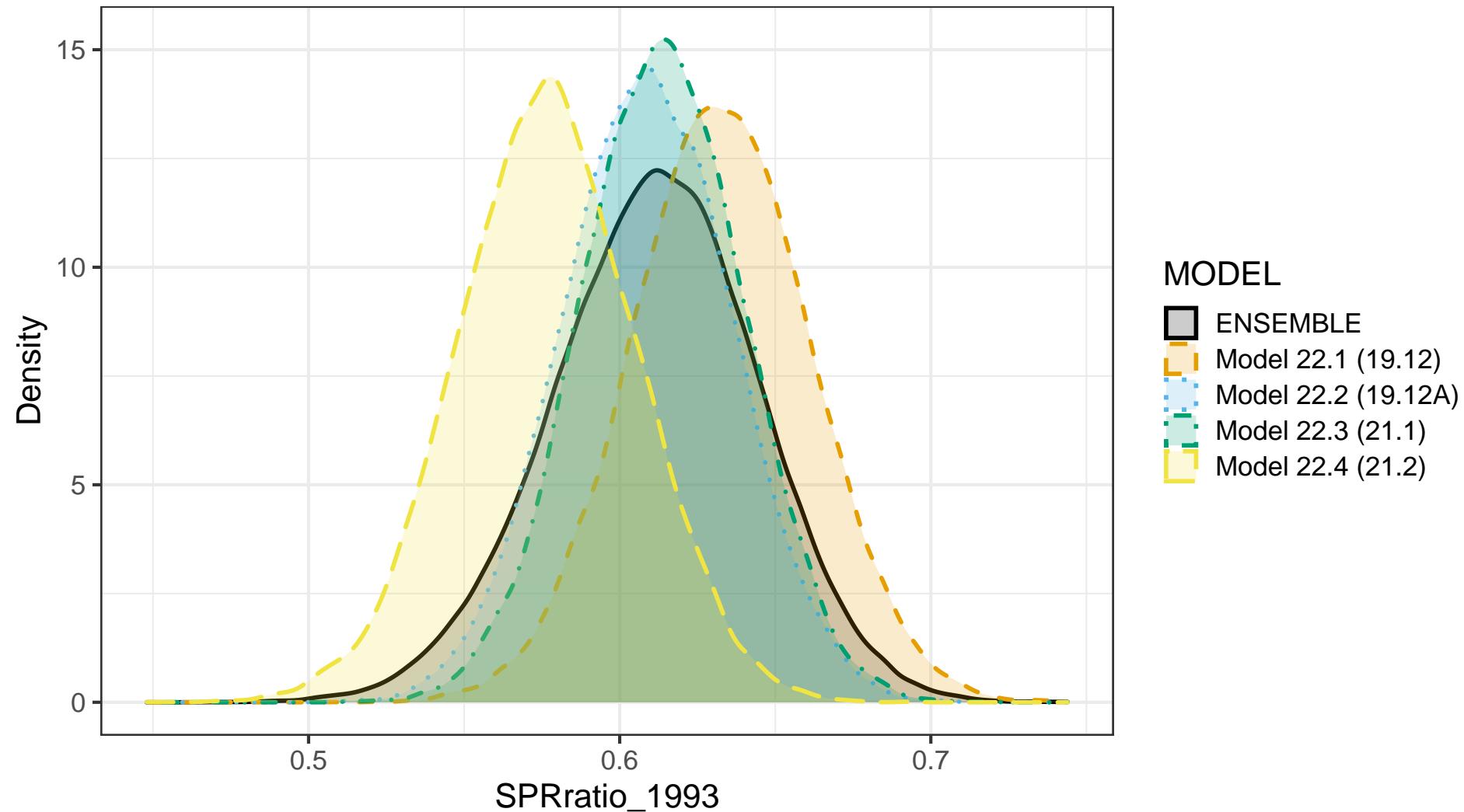
SPRratio_1991



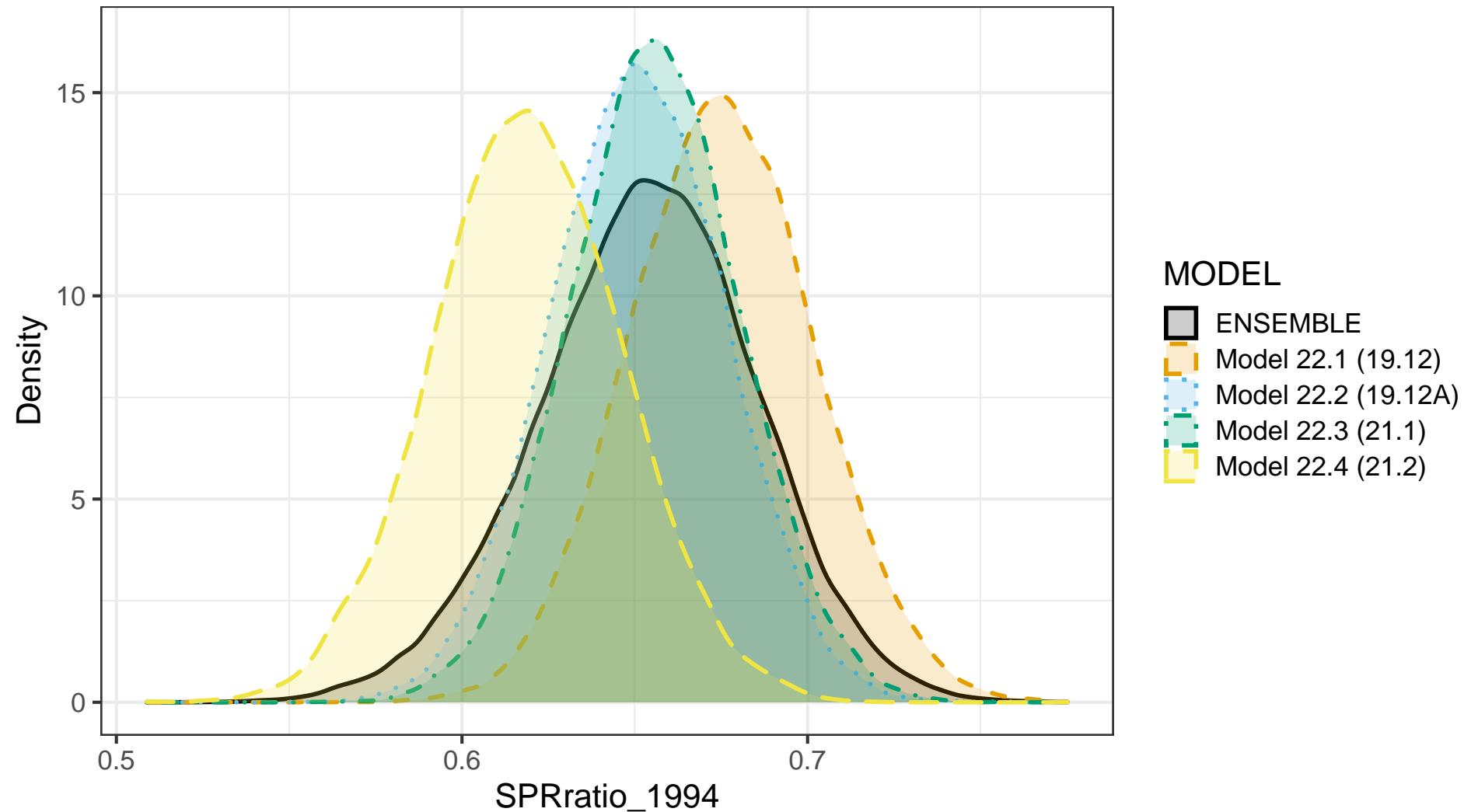
SPRratio_1992



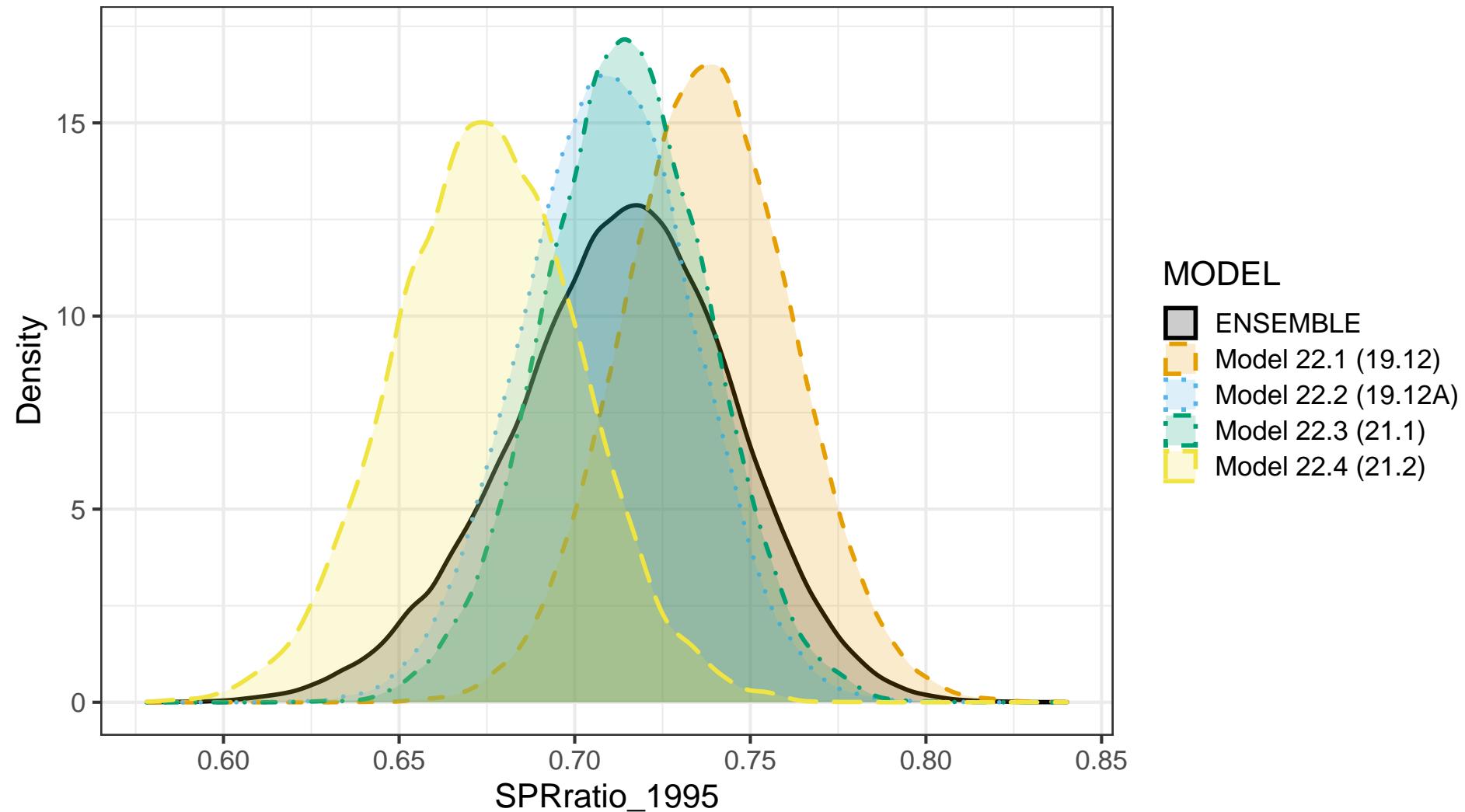
SPRratio_1993



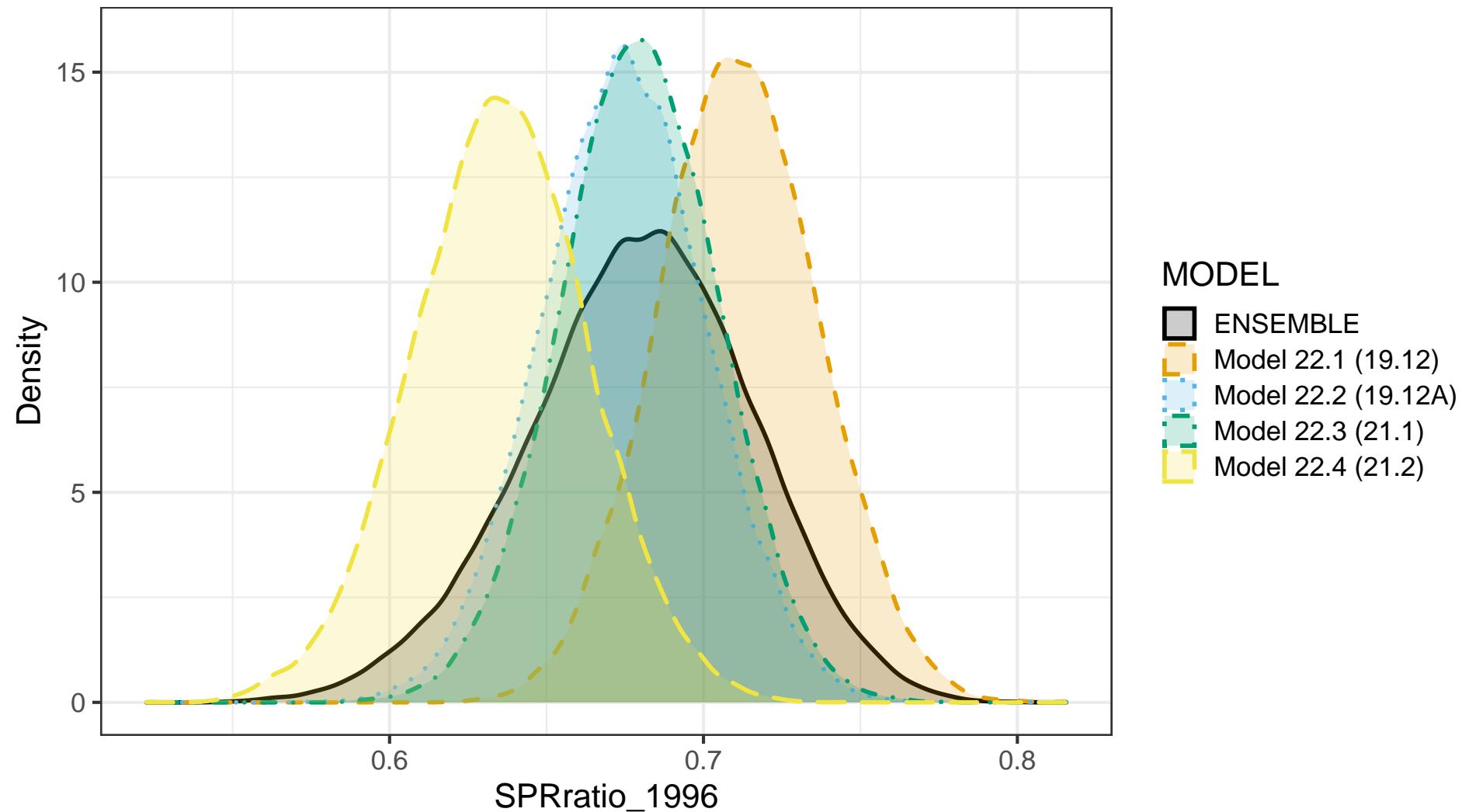
SPRratio_1994



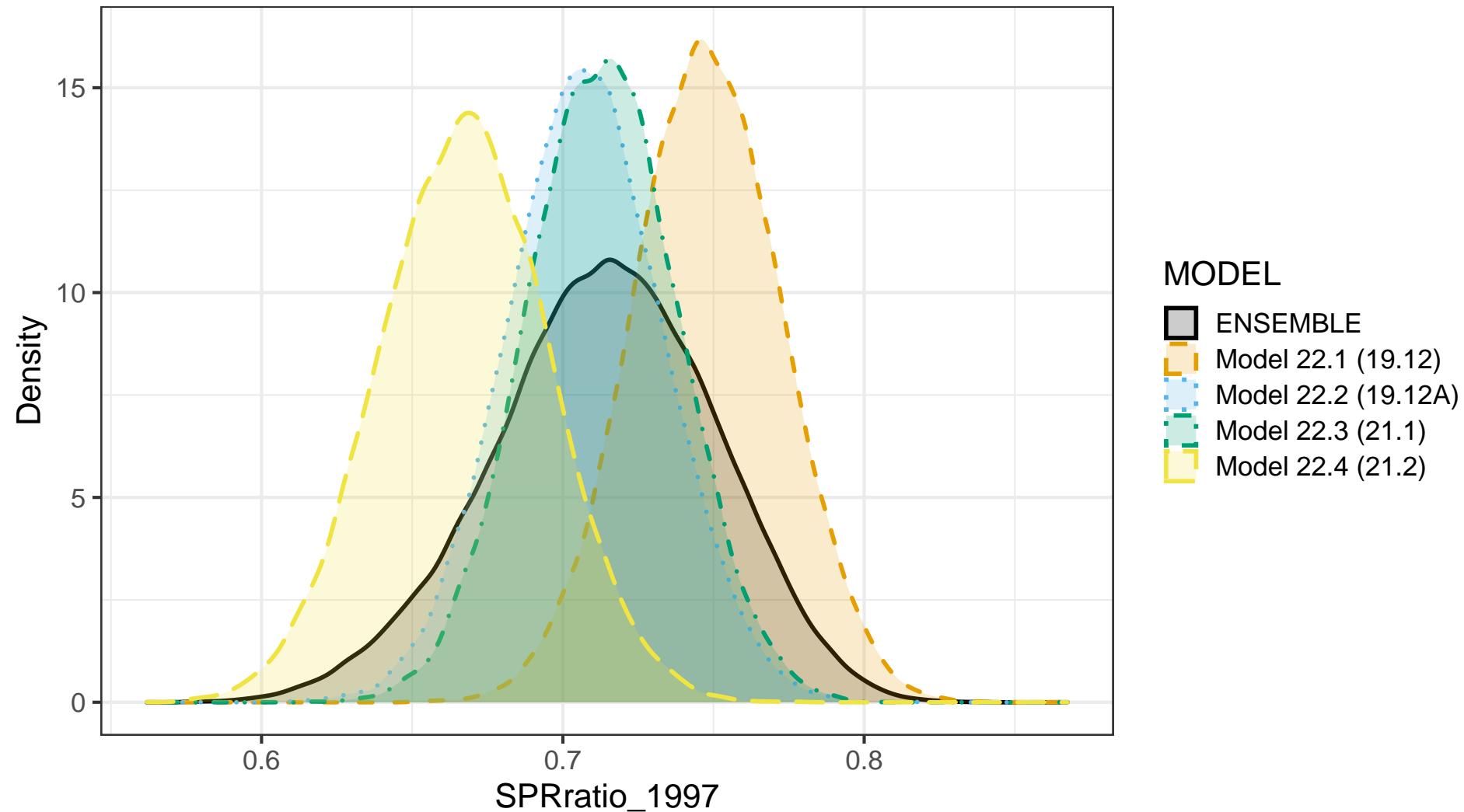
SPRratio_1995



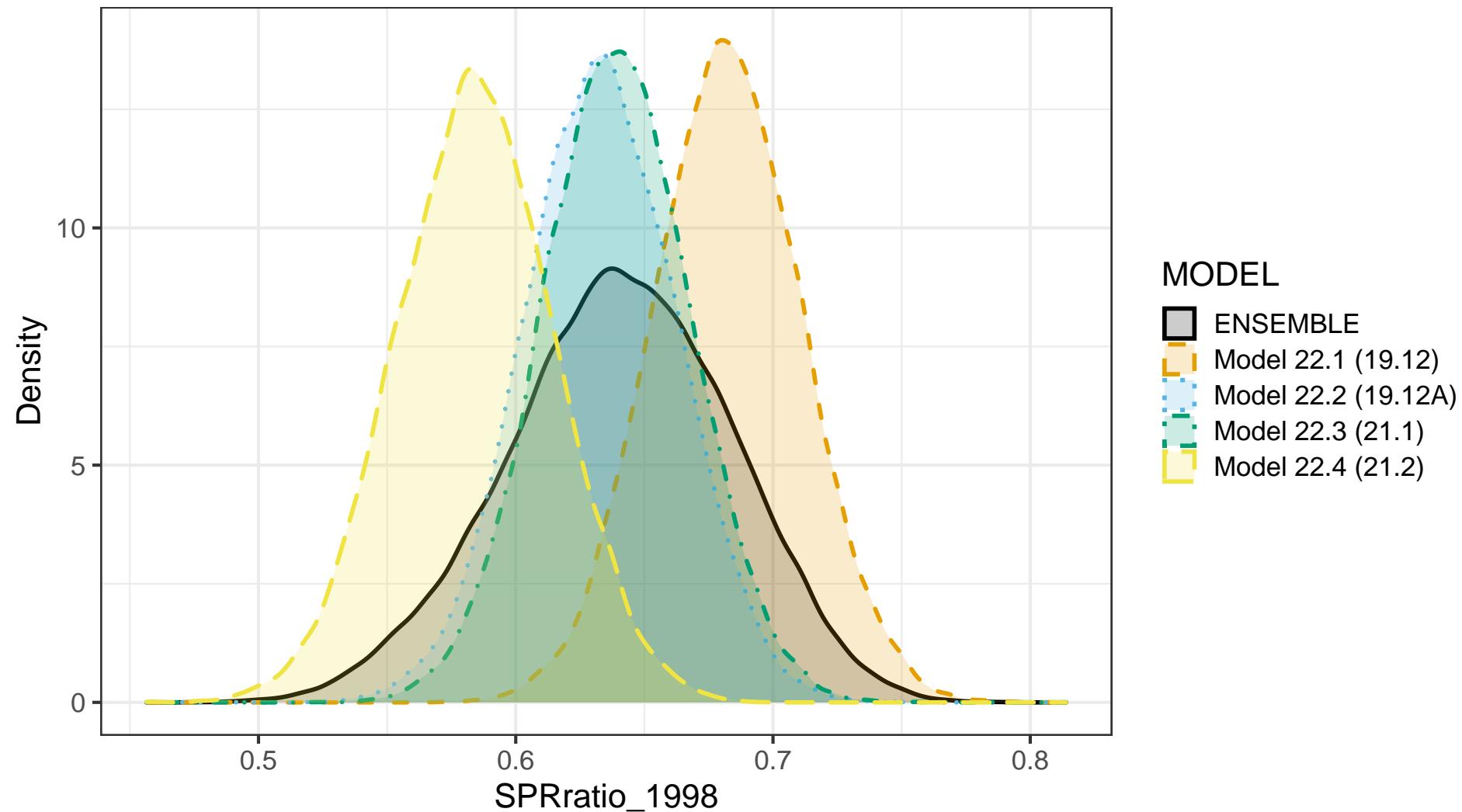
SPRratio_1996



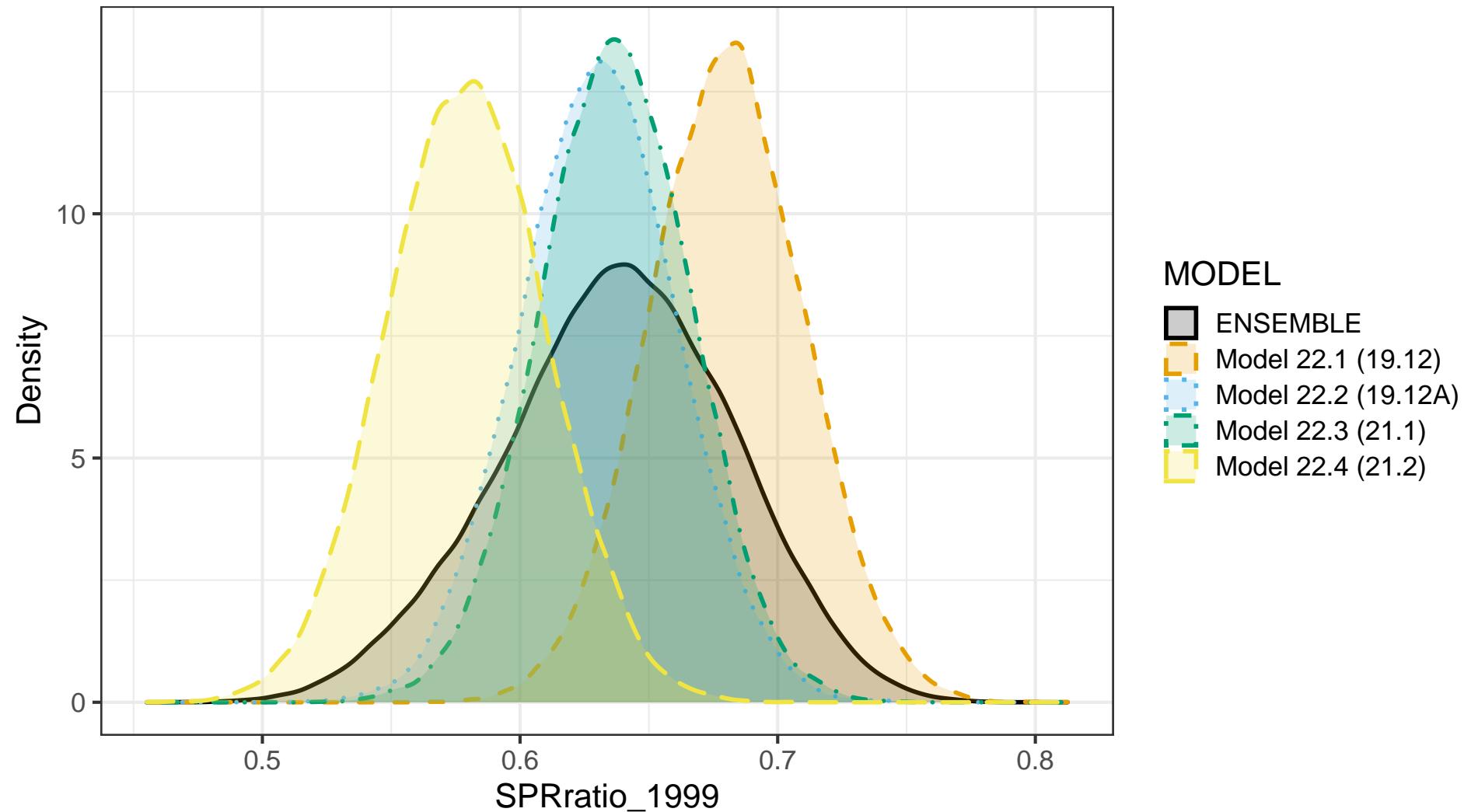
SPRratio_1997



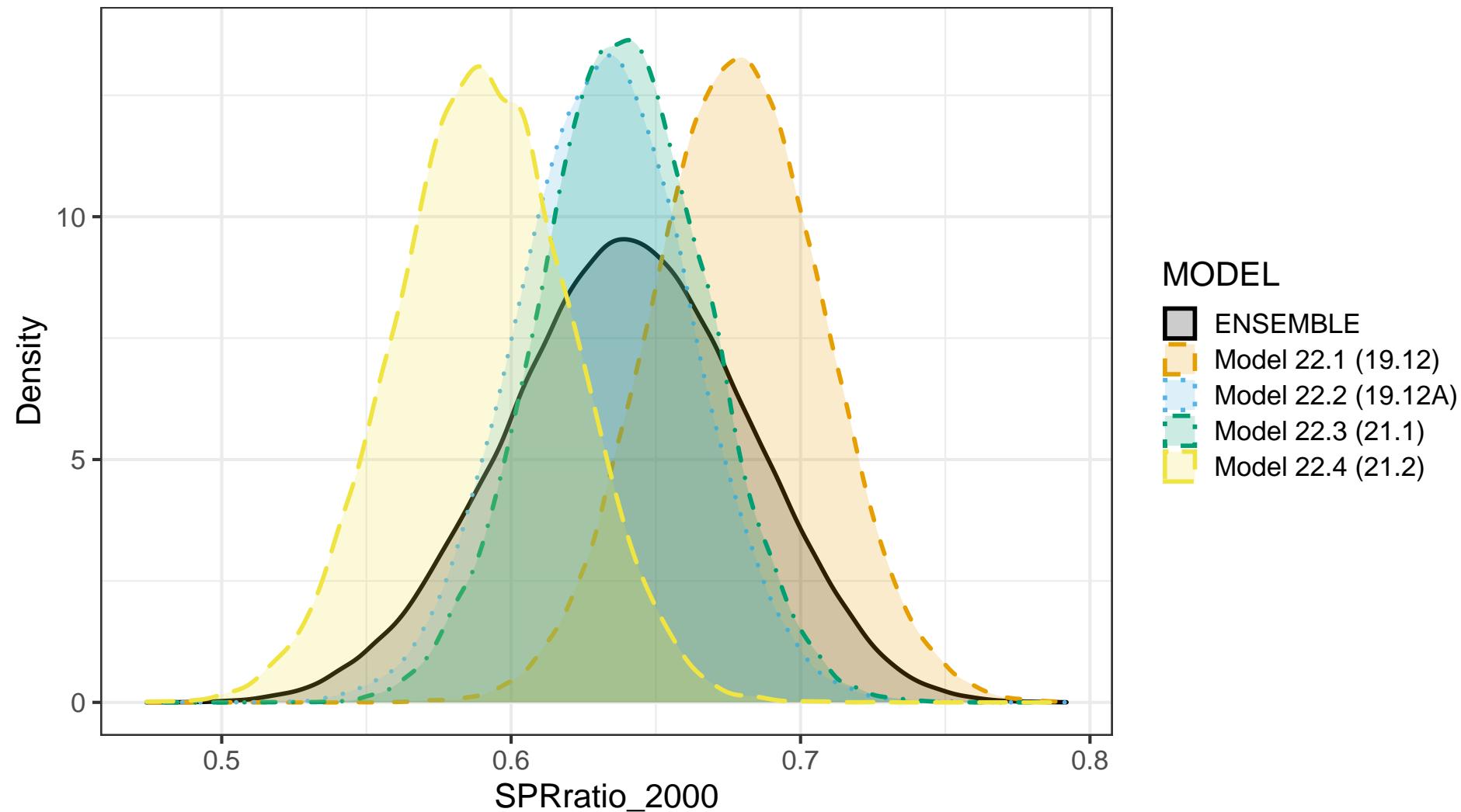
SPRratio_1998



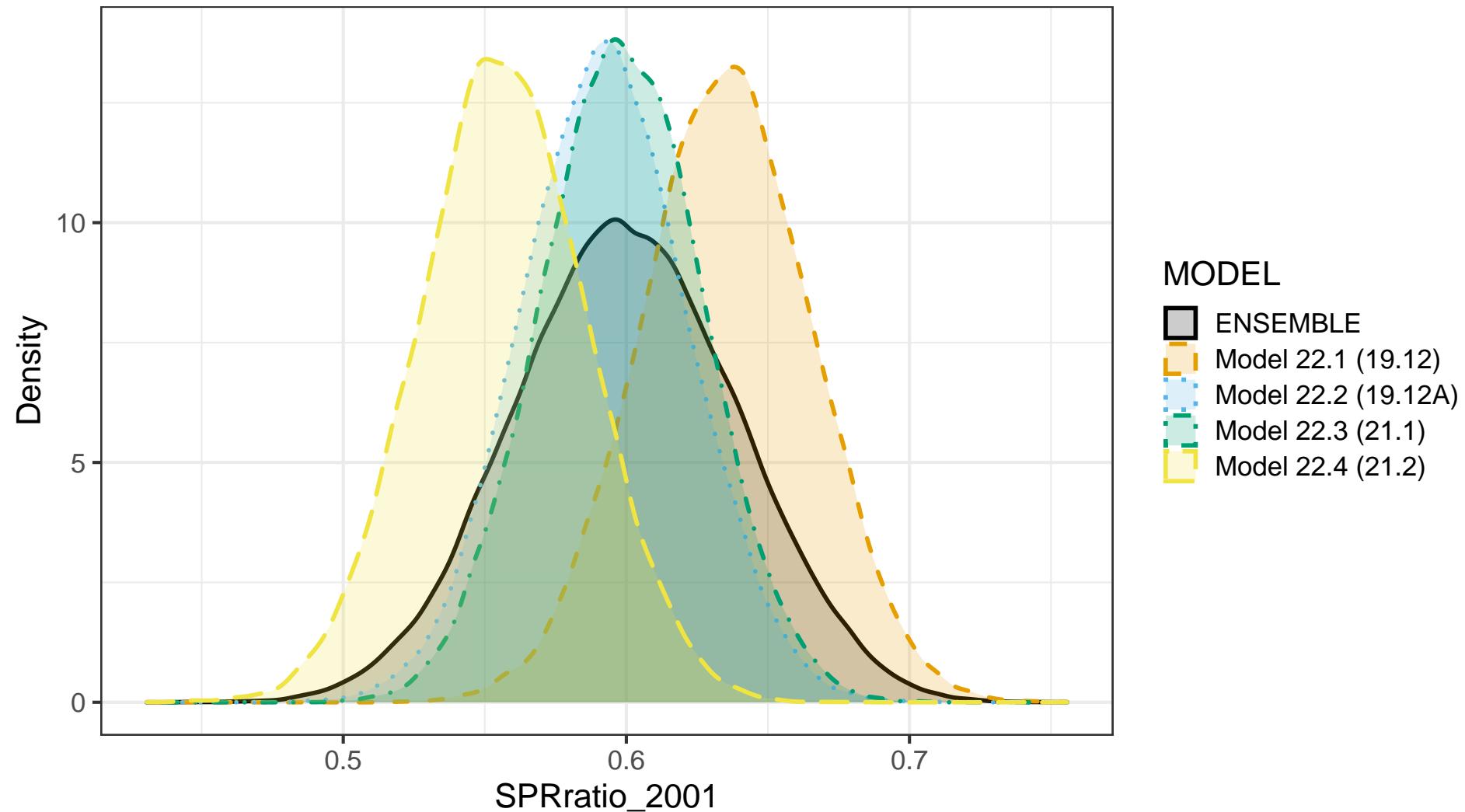
SPRratio_1999



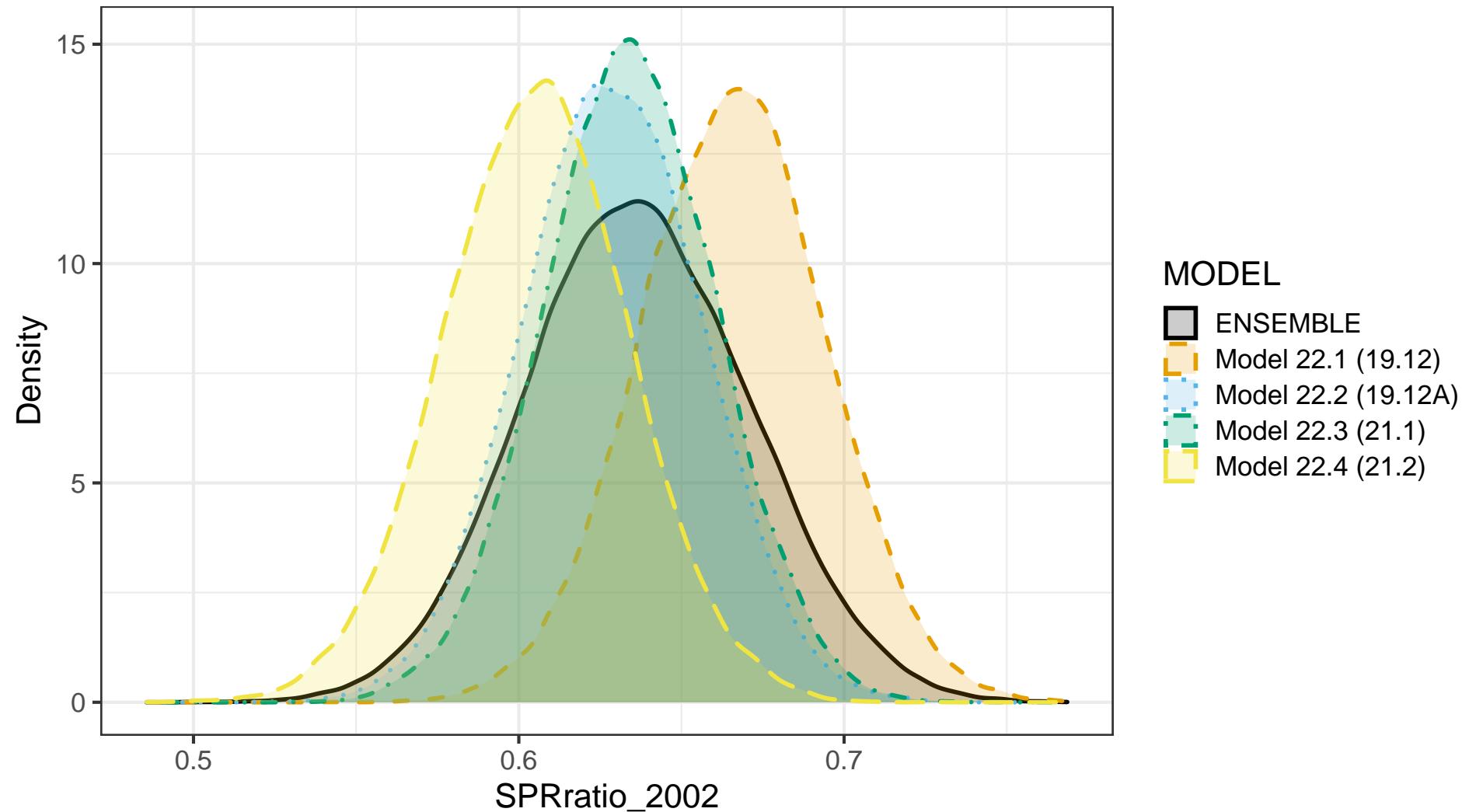
SPRratio_2000



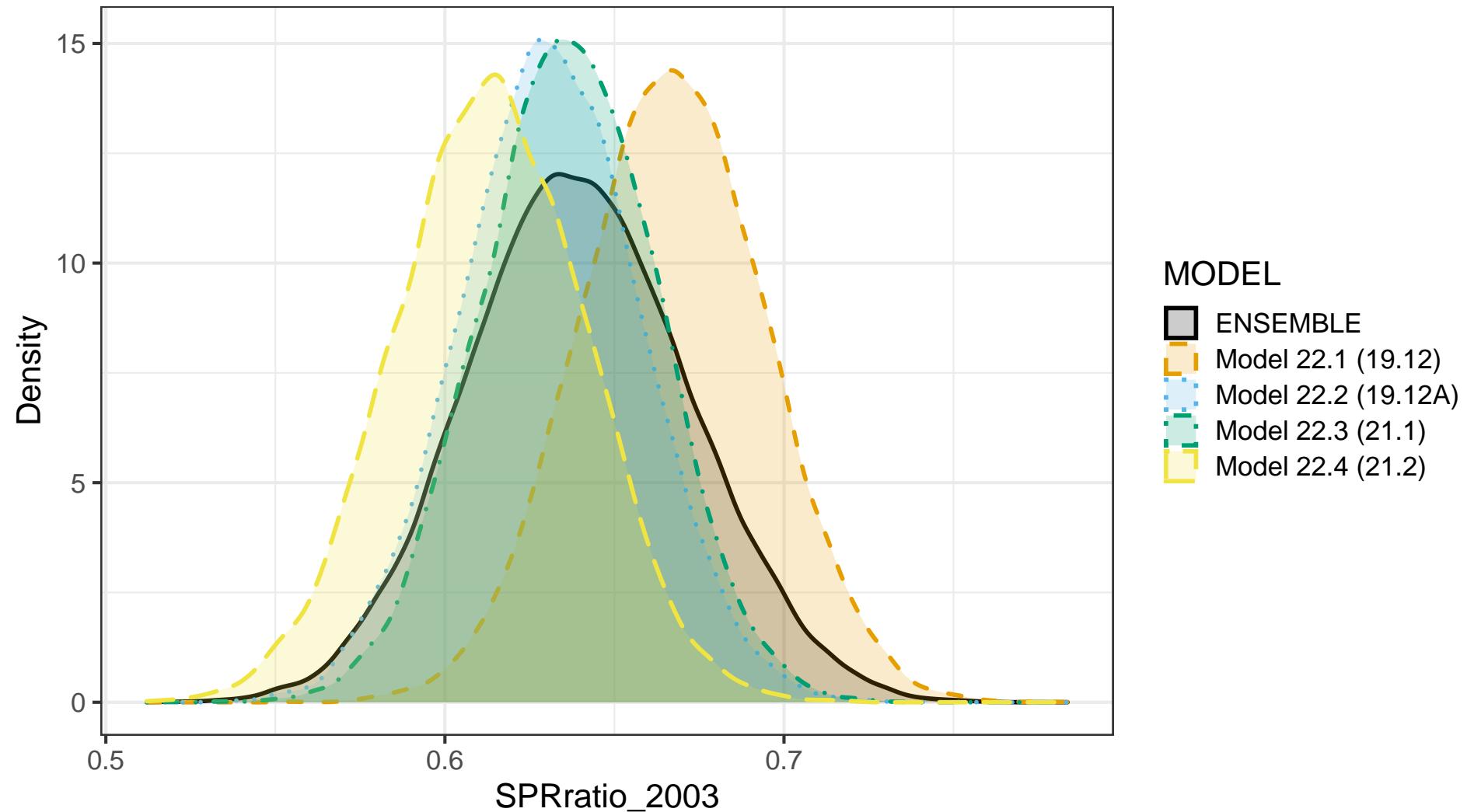
SPRratio_2001



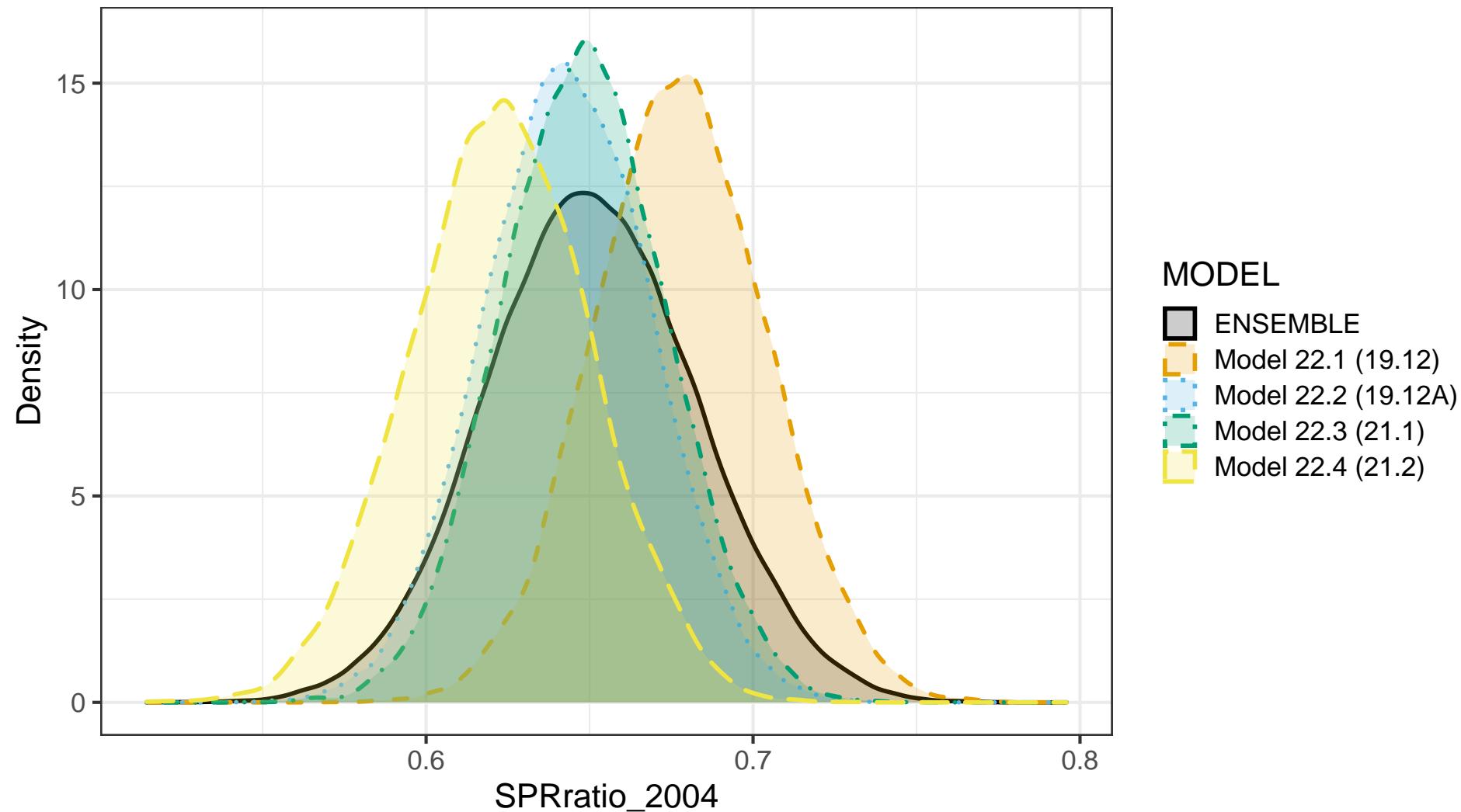
SPRratio_2002



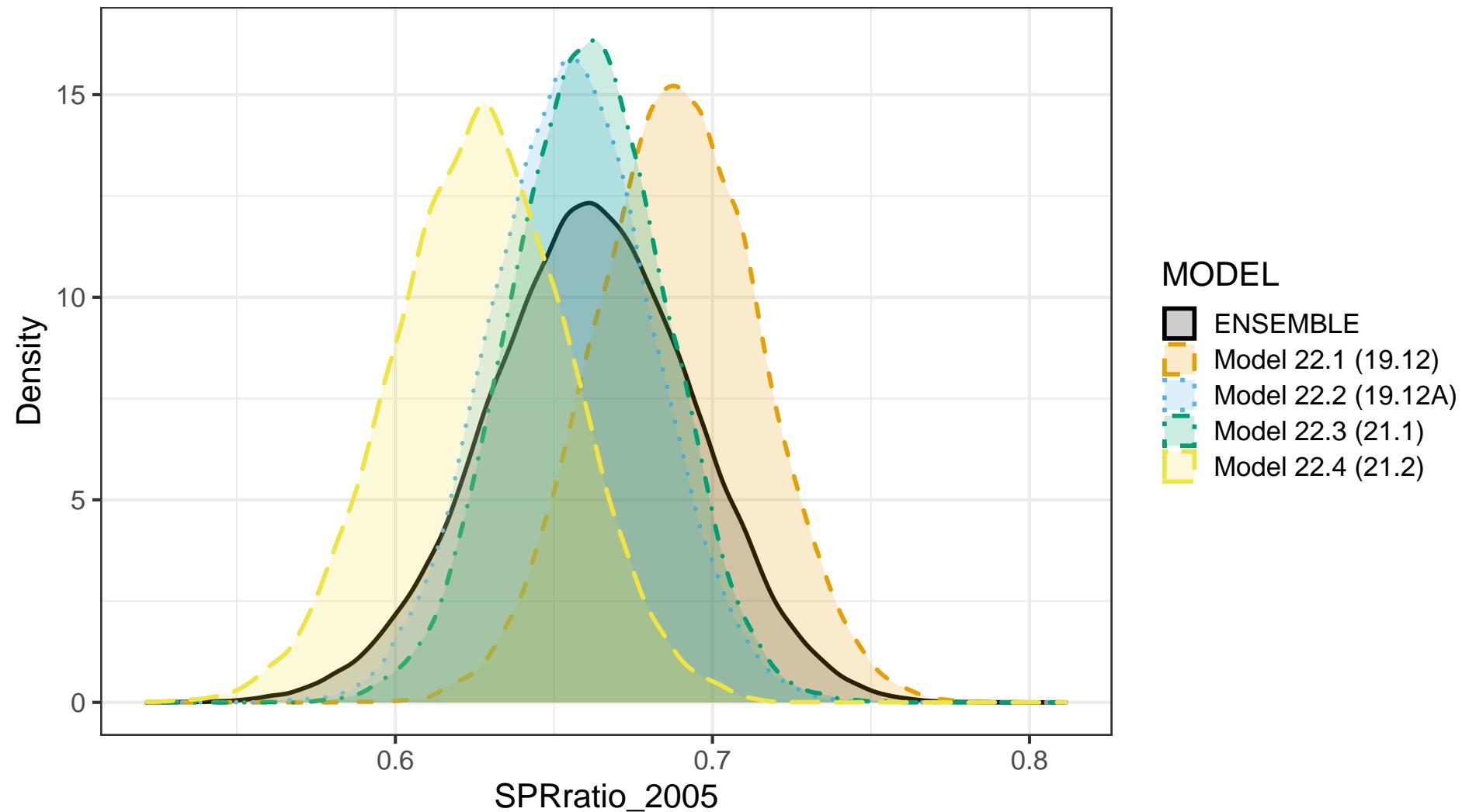
SPRratio_2003



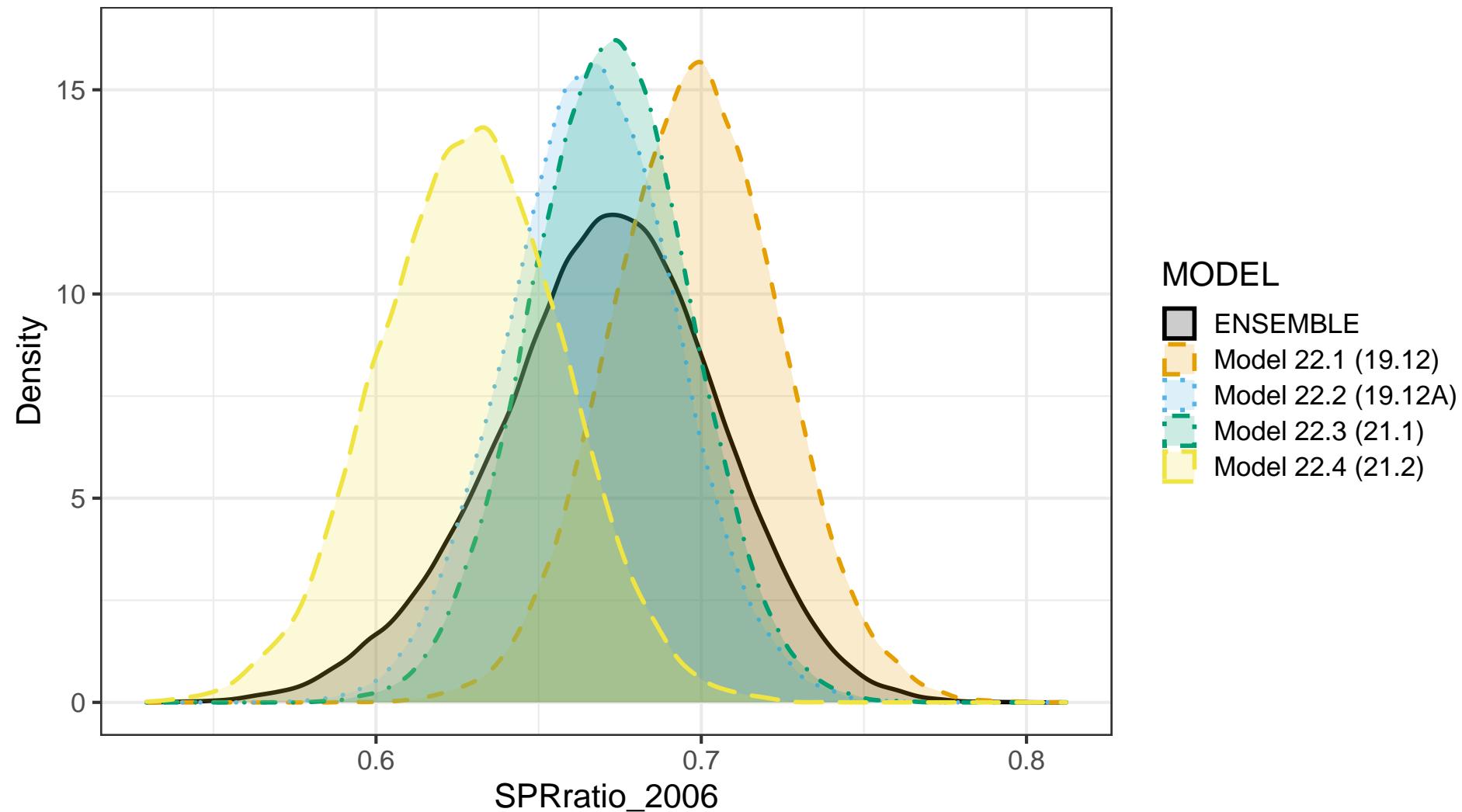
SPRratio_2004



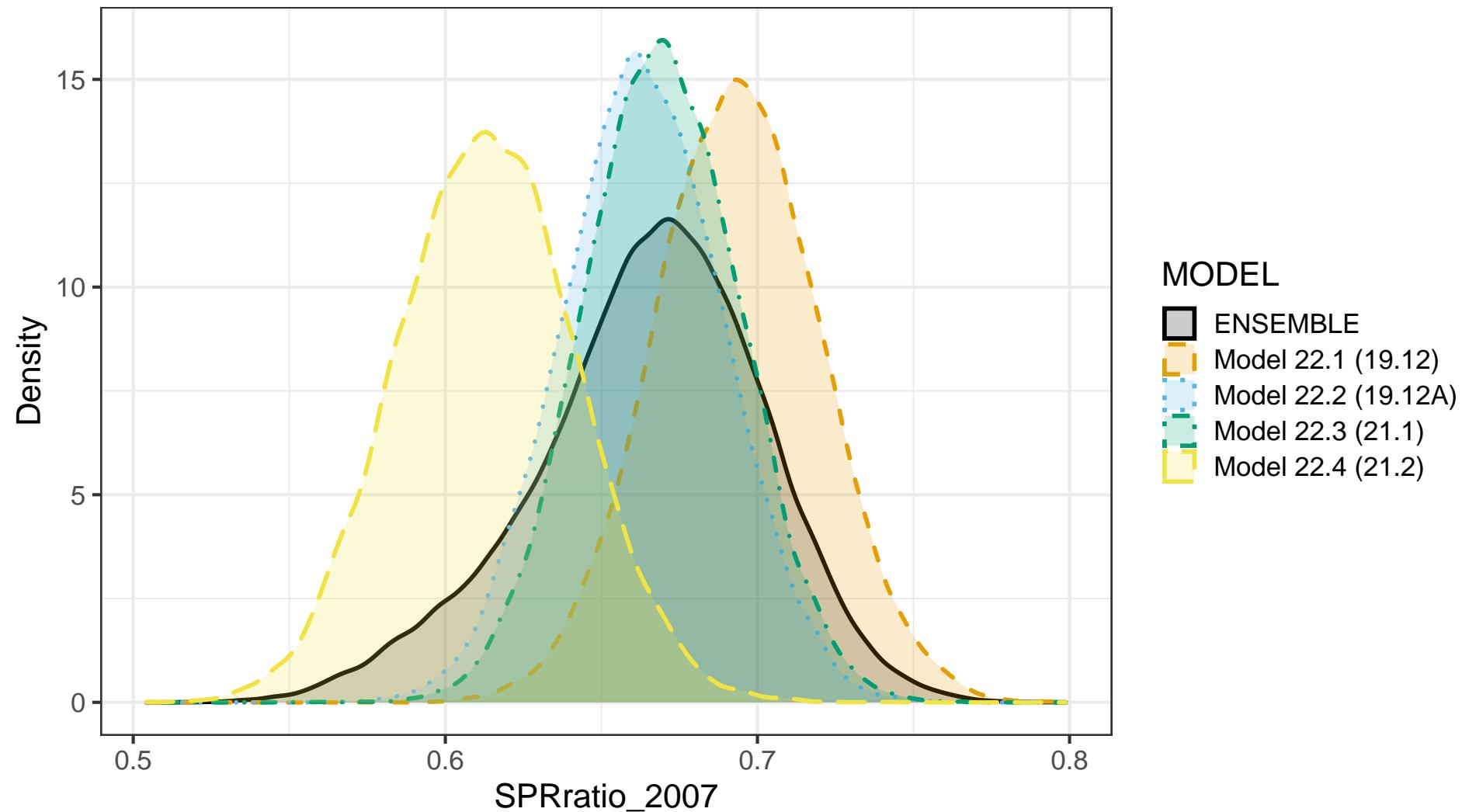
SPRratio_2005



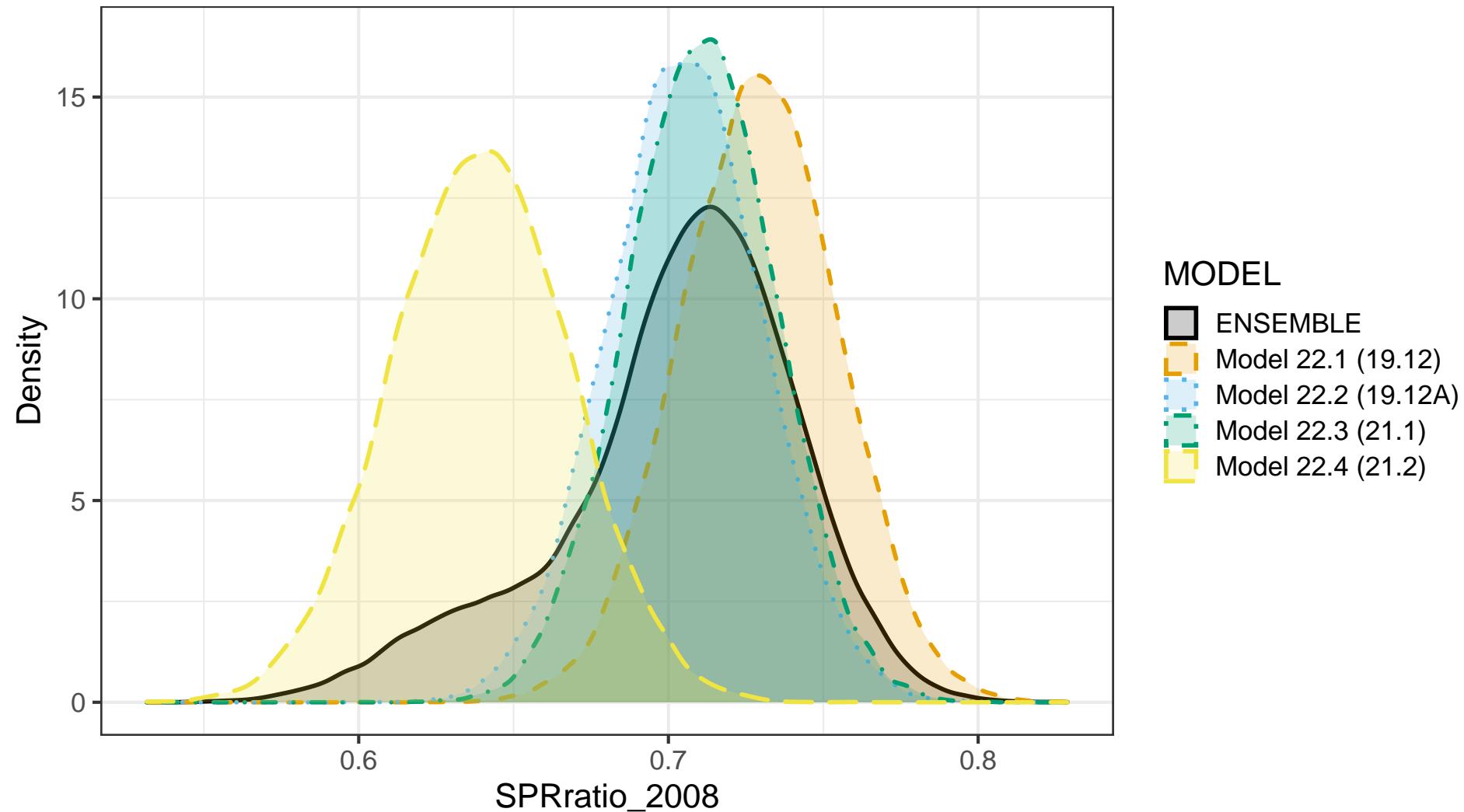
SPRratio_2006



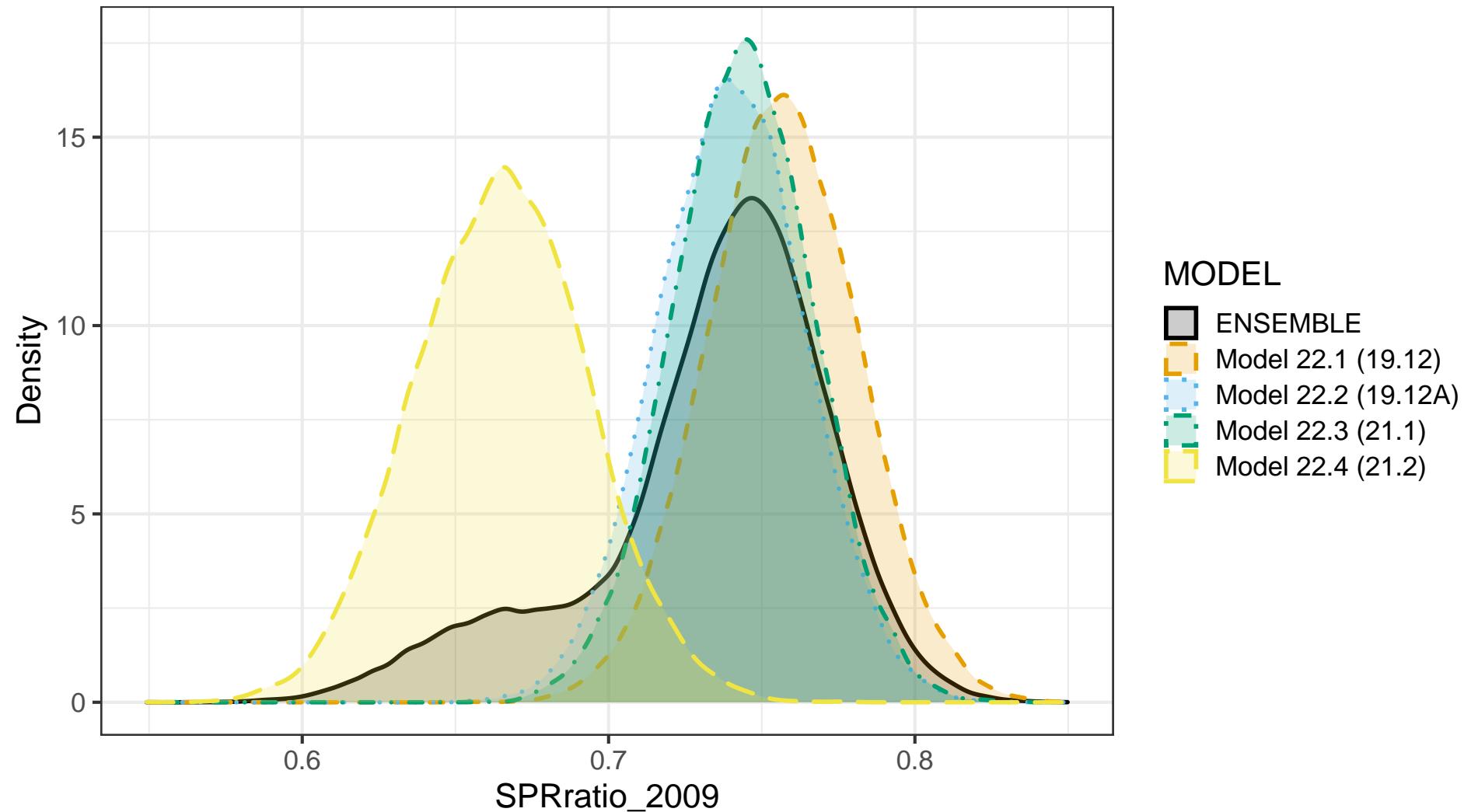
SPRratio_2007



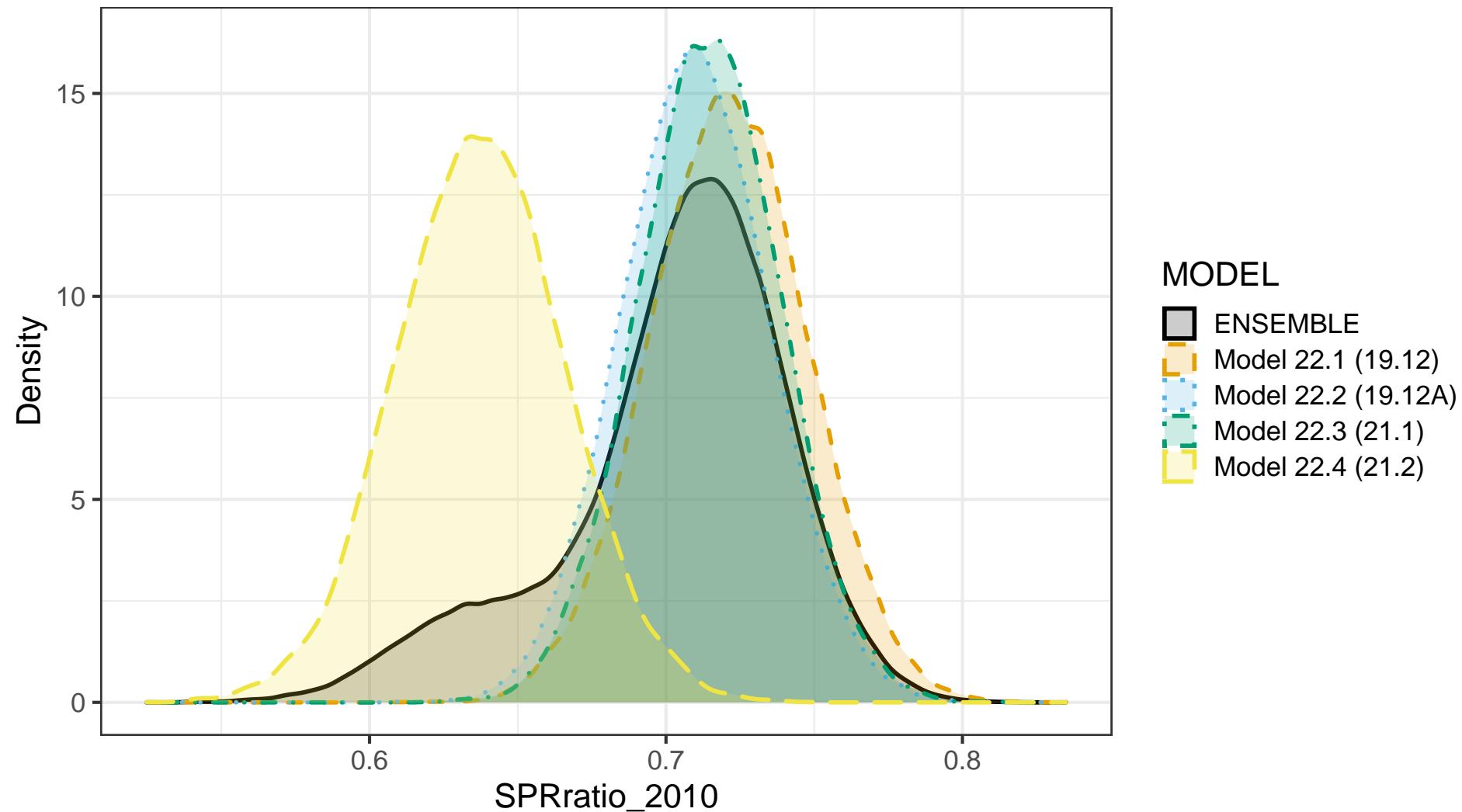
SPRratio_2008



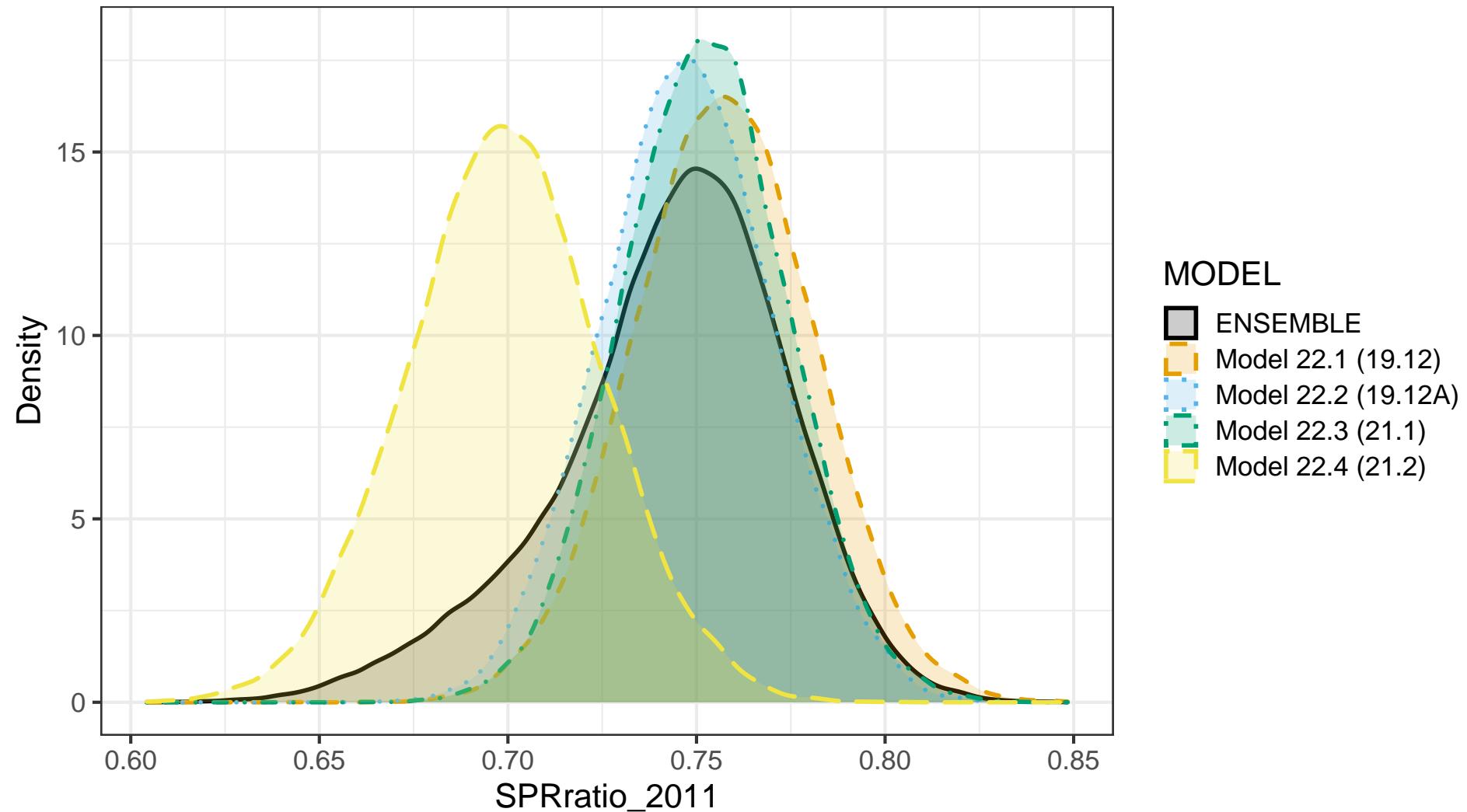
SPRratio_2009



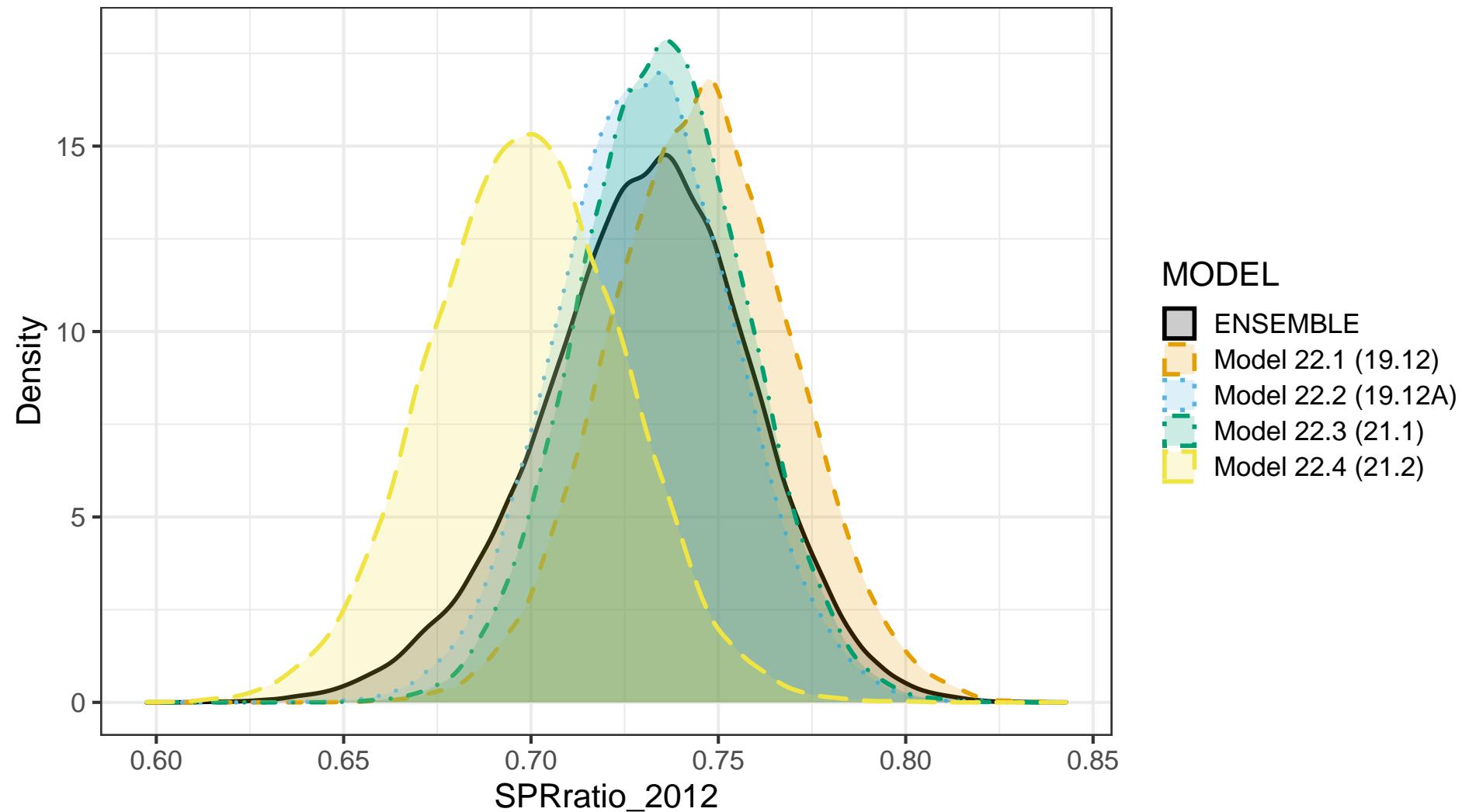
SPRratio_2010



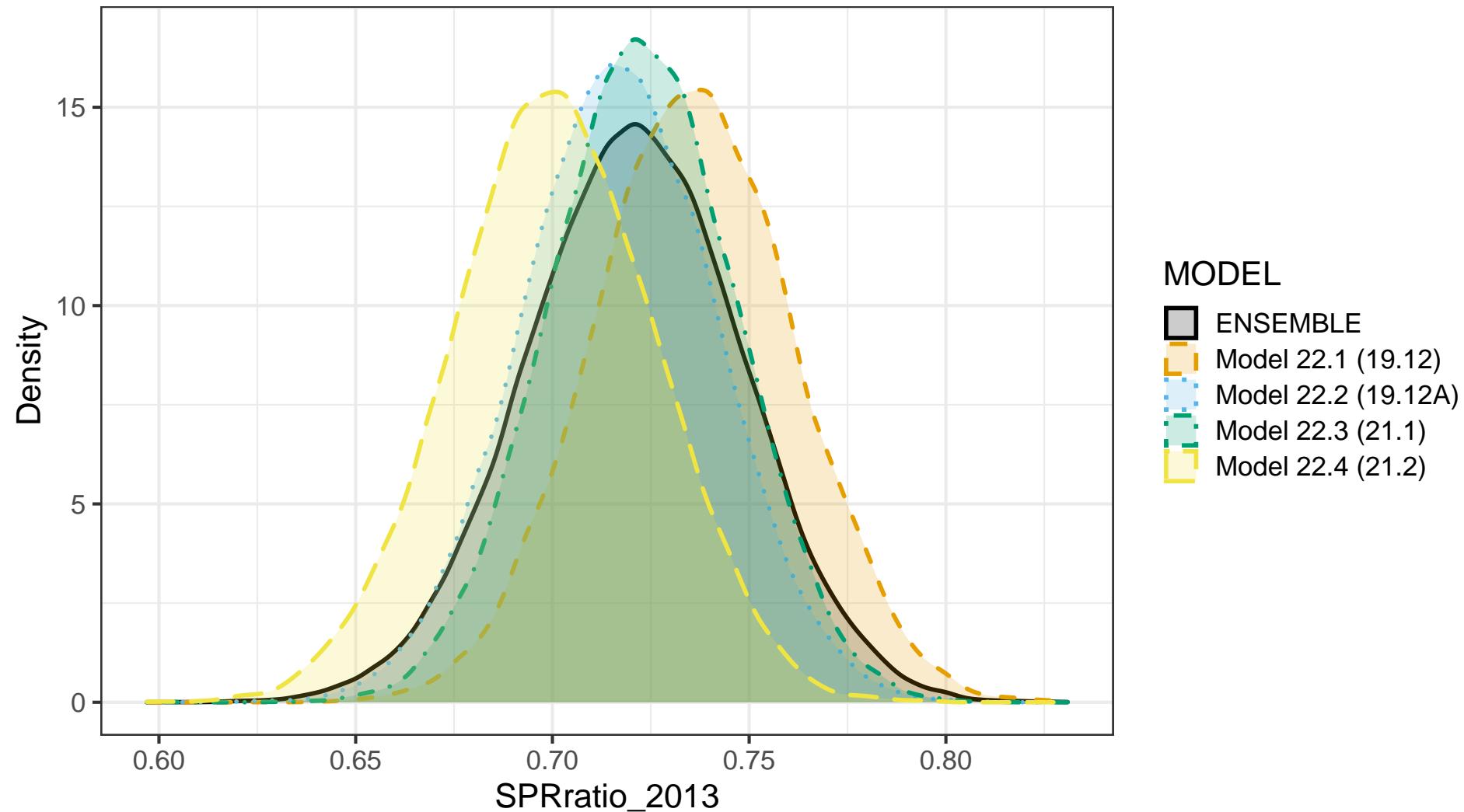
SPRratio_2011



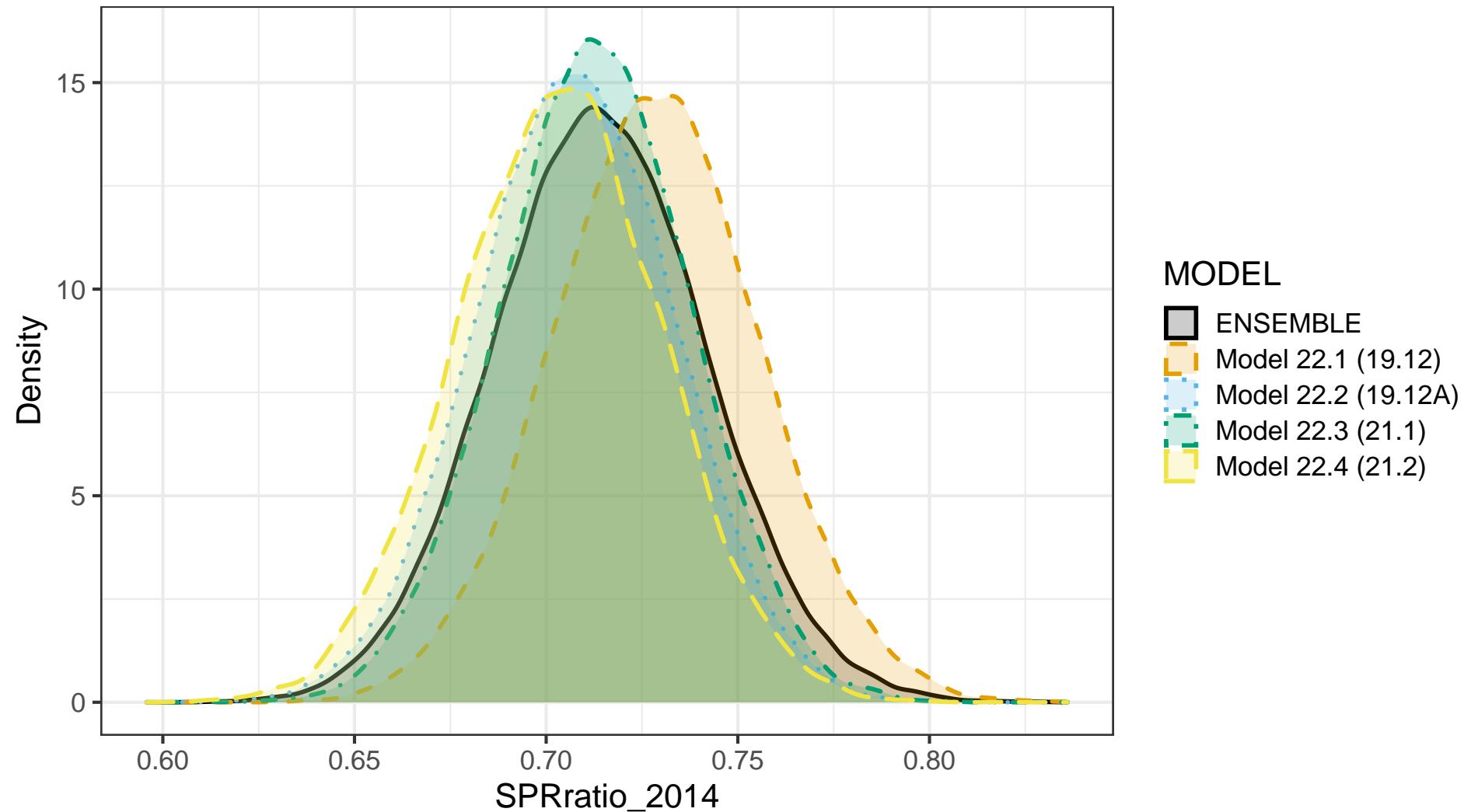
SPRratio_2012



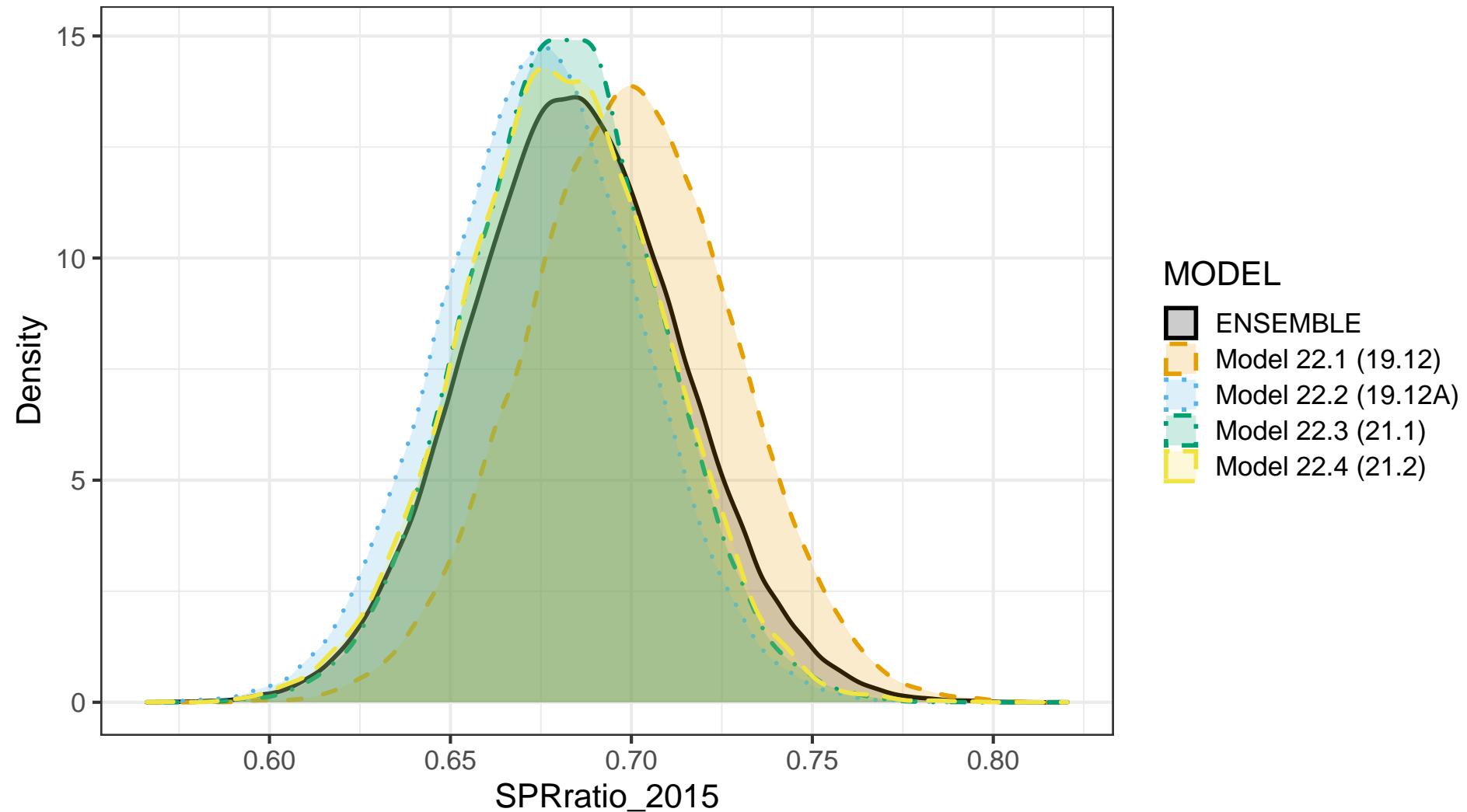
SPRratio_2013



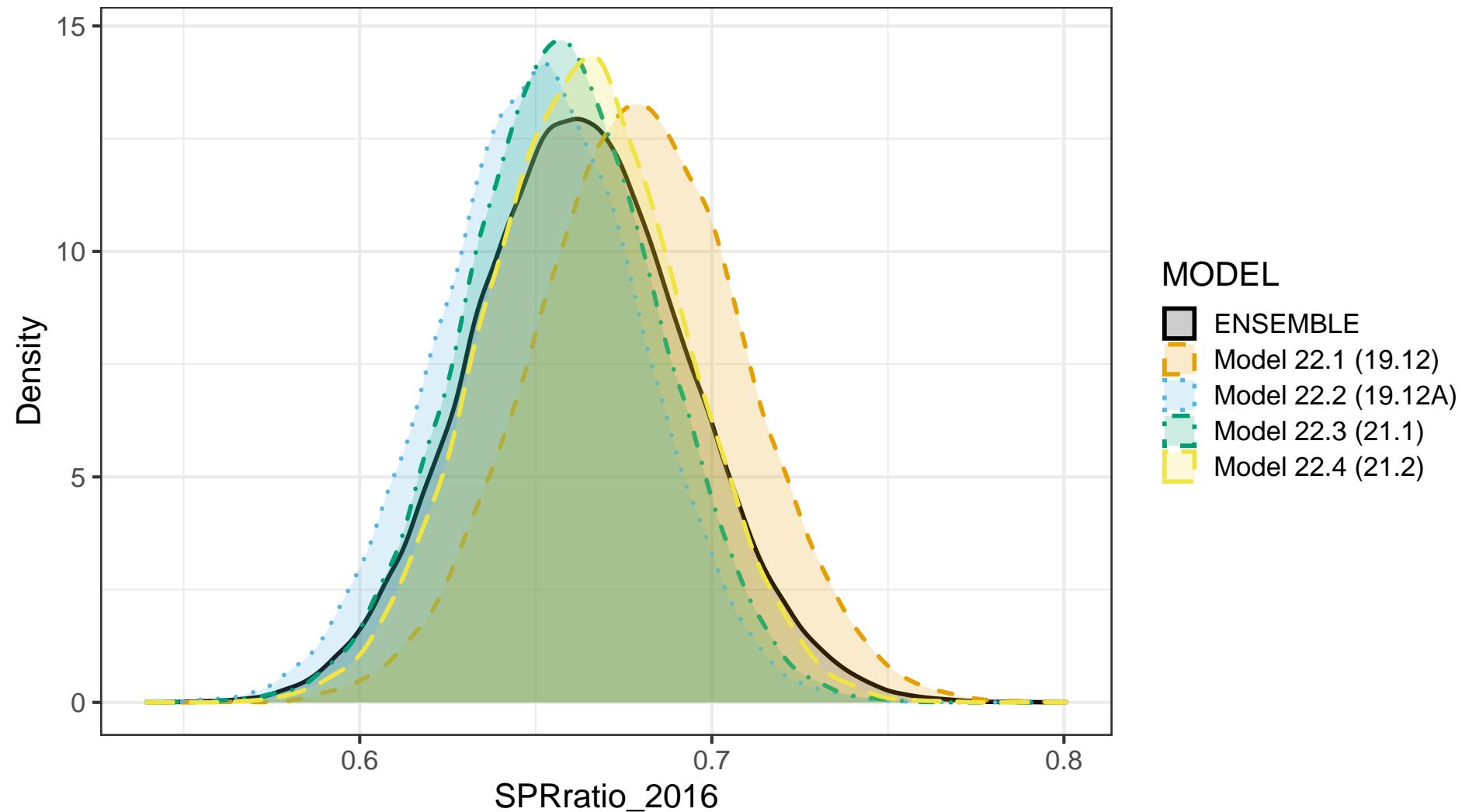
SPRratio_2014



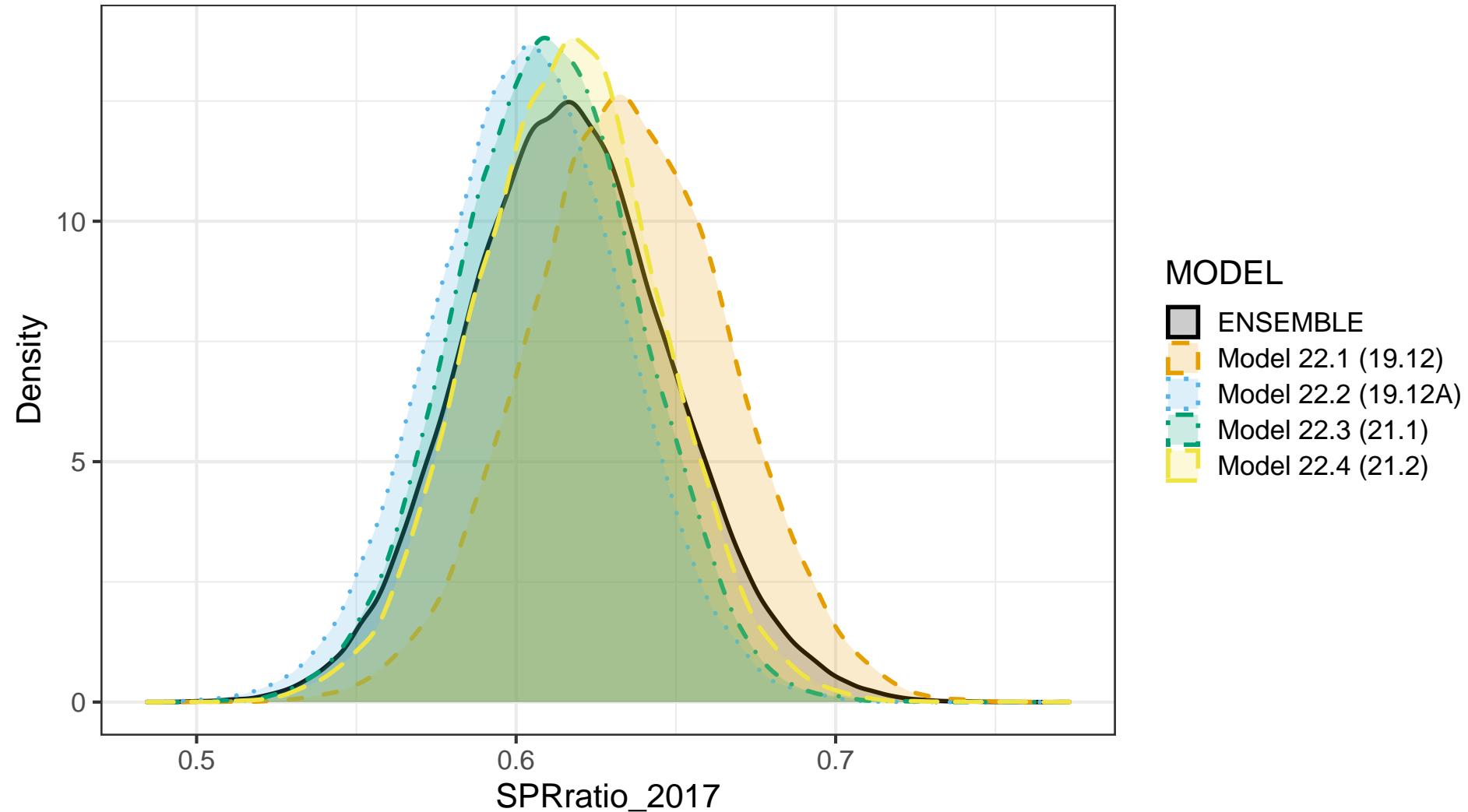
SPRratio_2015



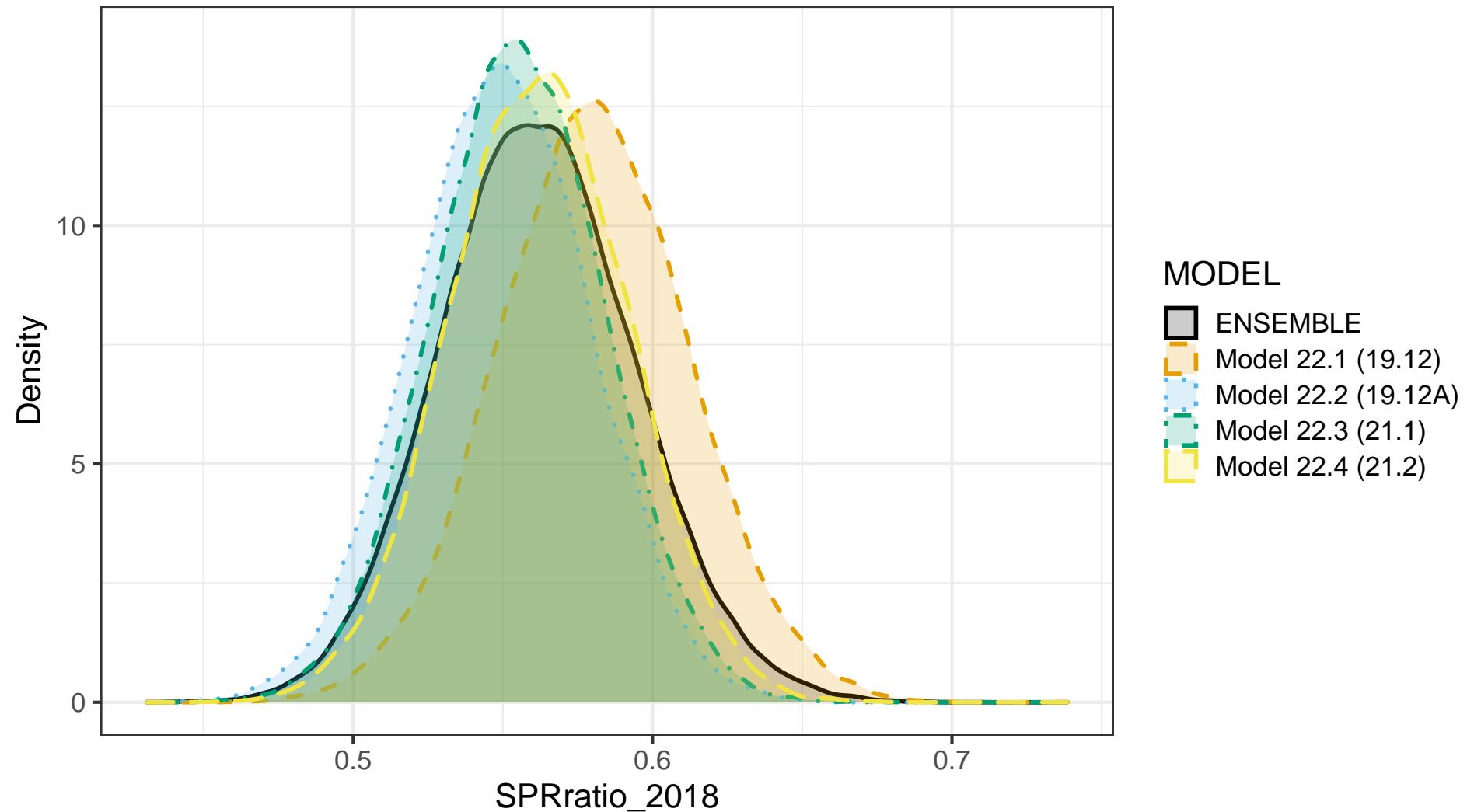
SPRratio_2016



SPRratio_2017



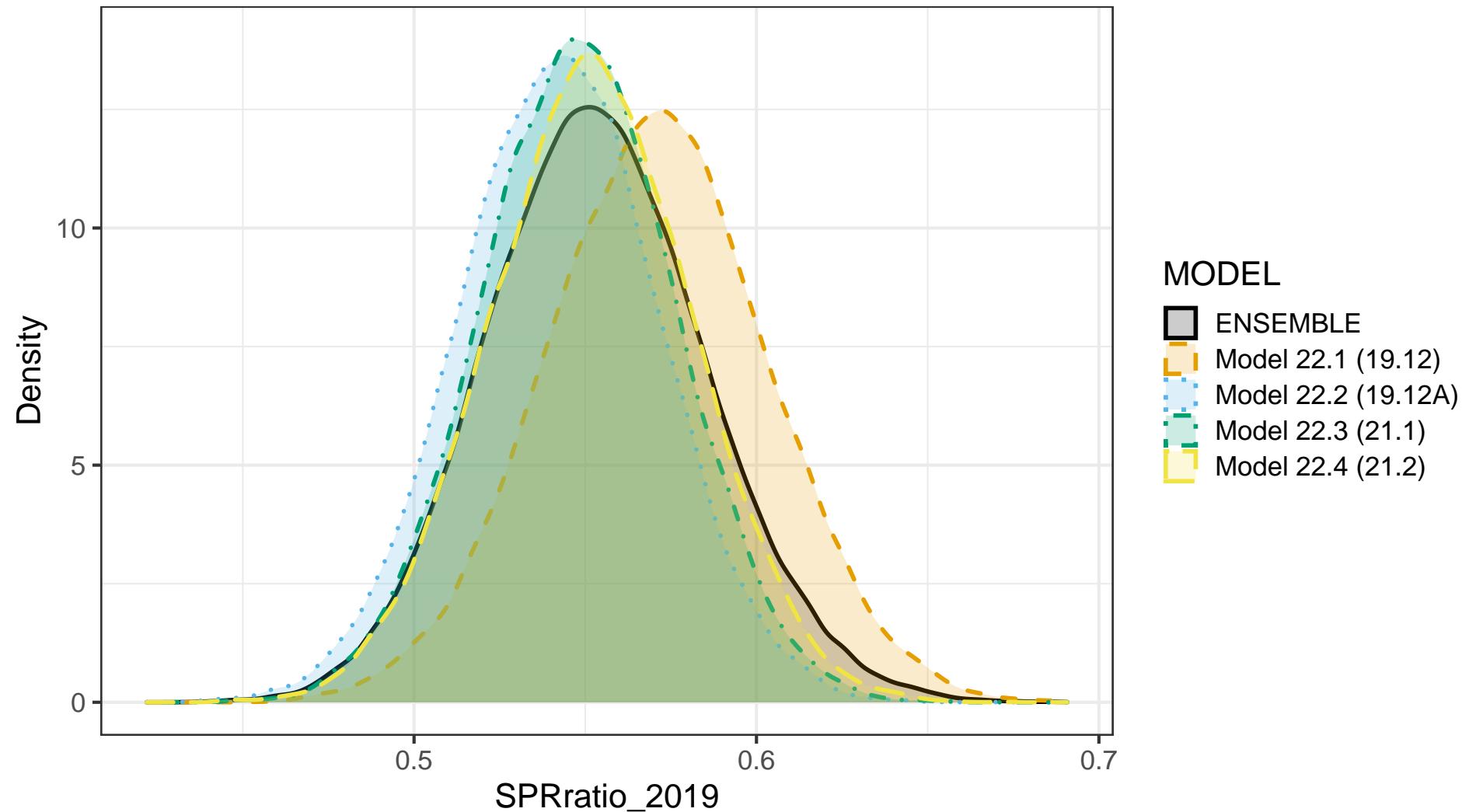
SPRratio_2018



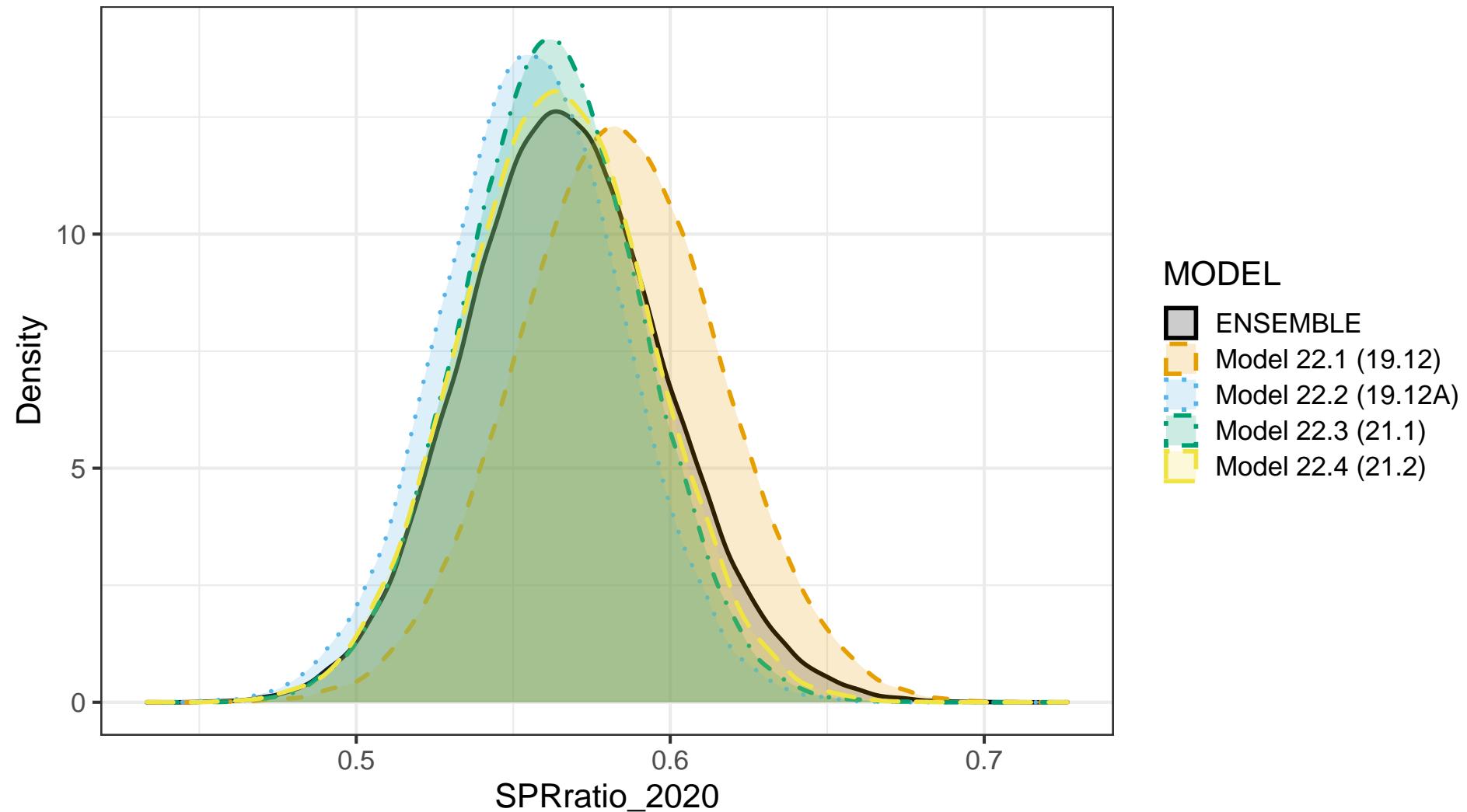
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

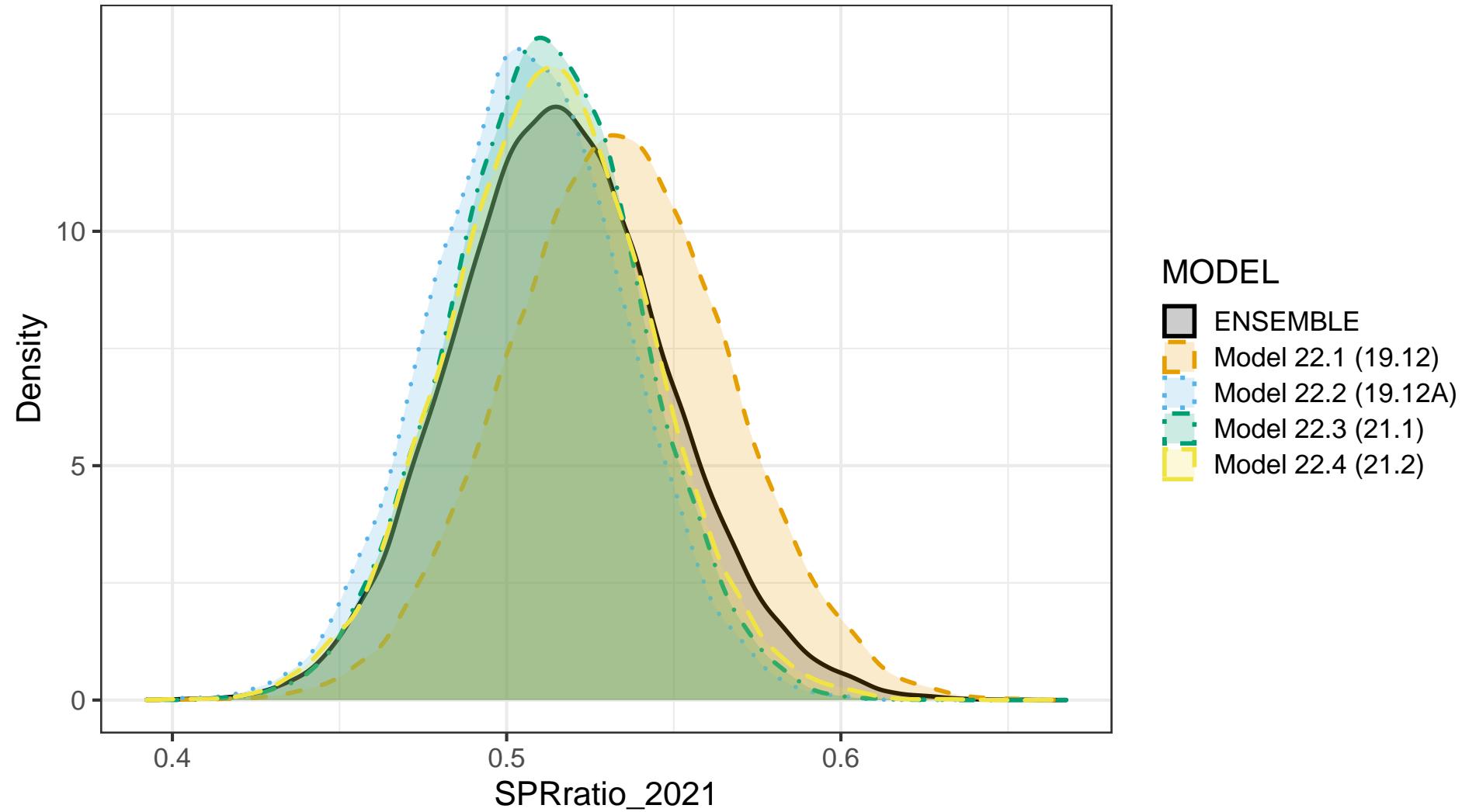
SPRratio_2019



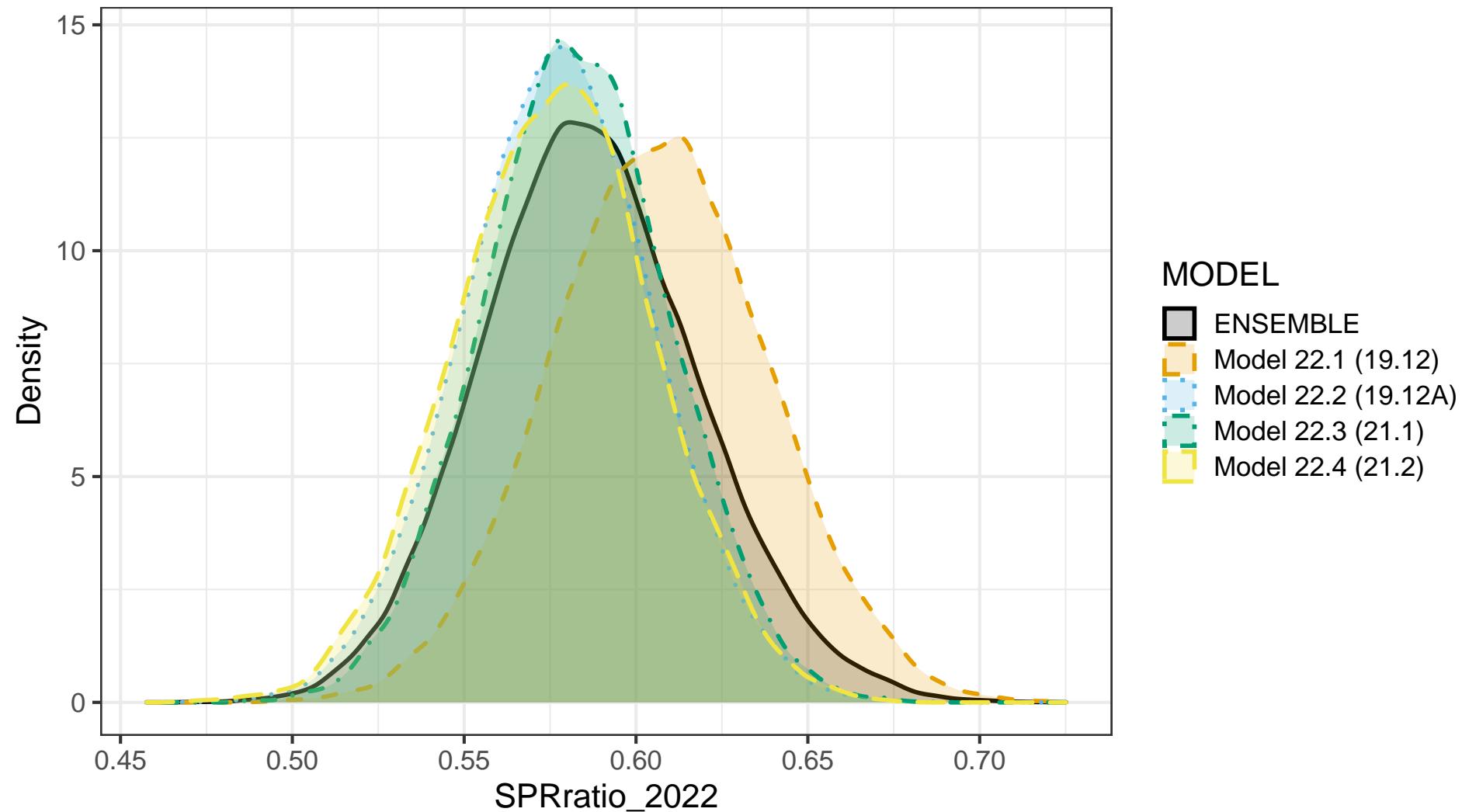
SPRratio_2020



SPRratio_2021



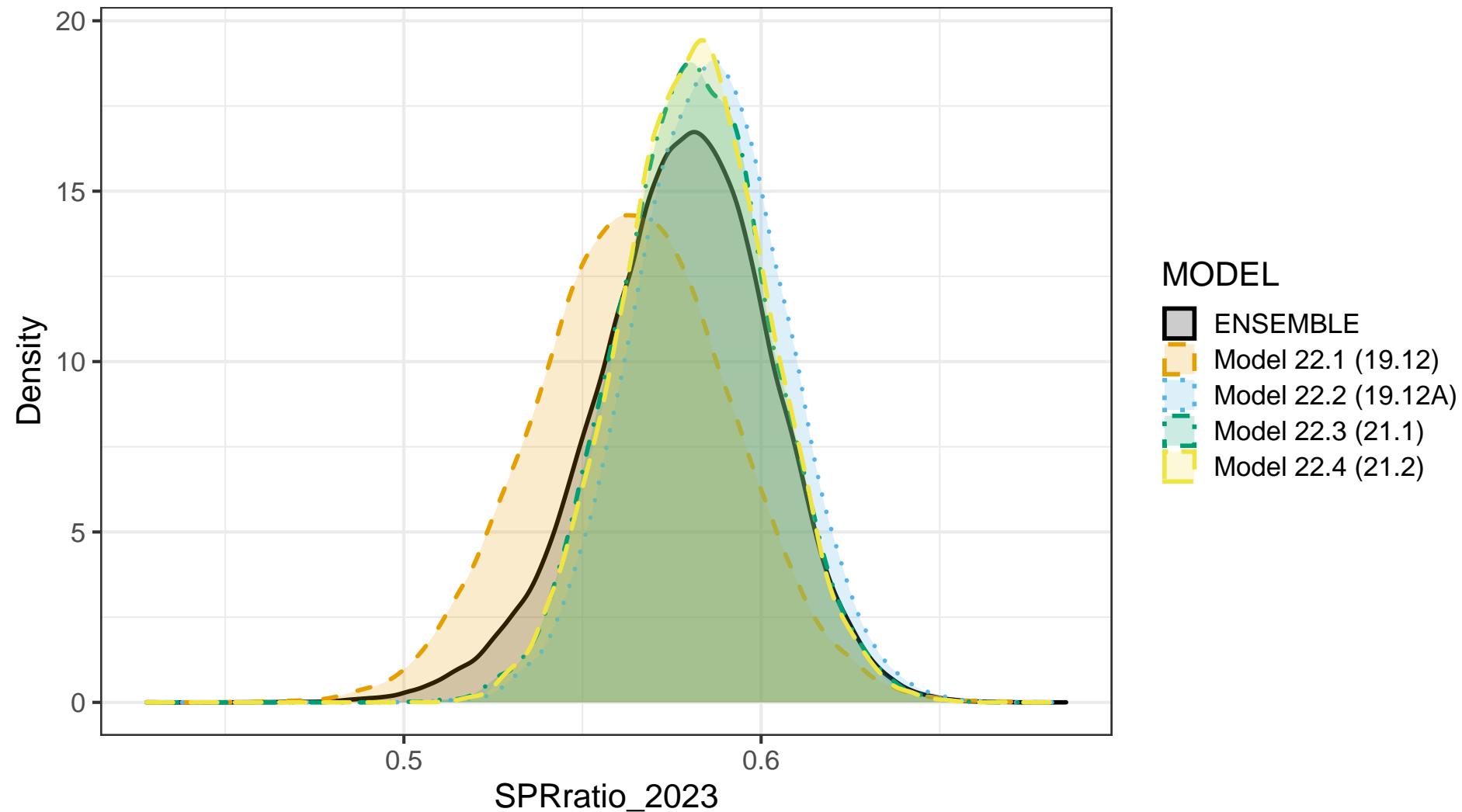
SPRratio_2022



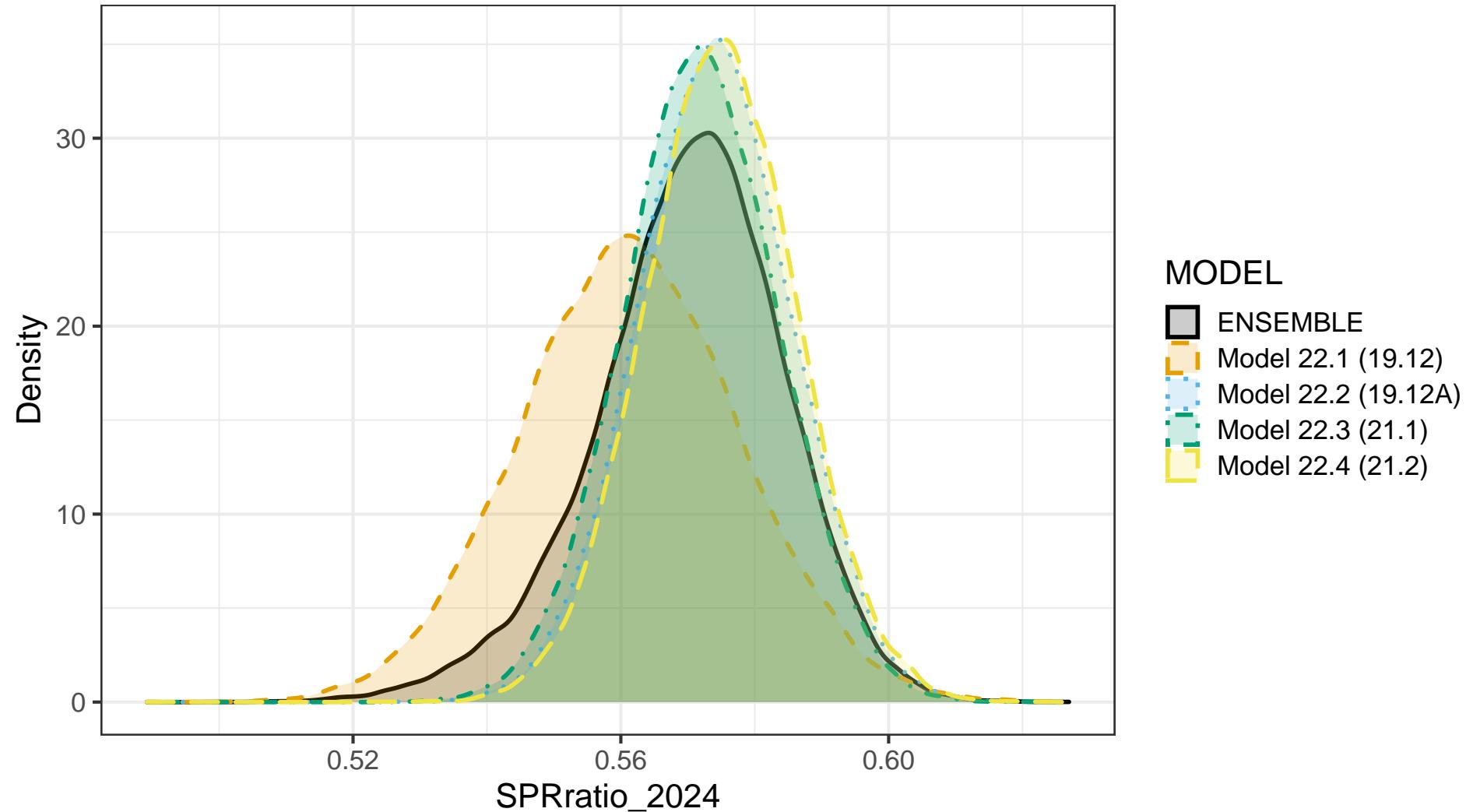
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

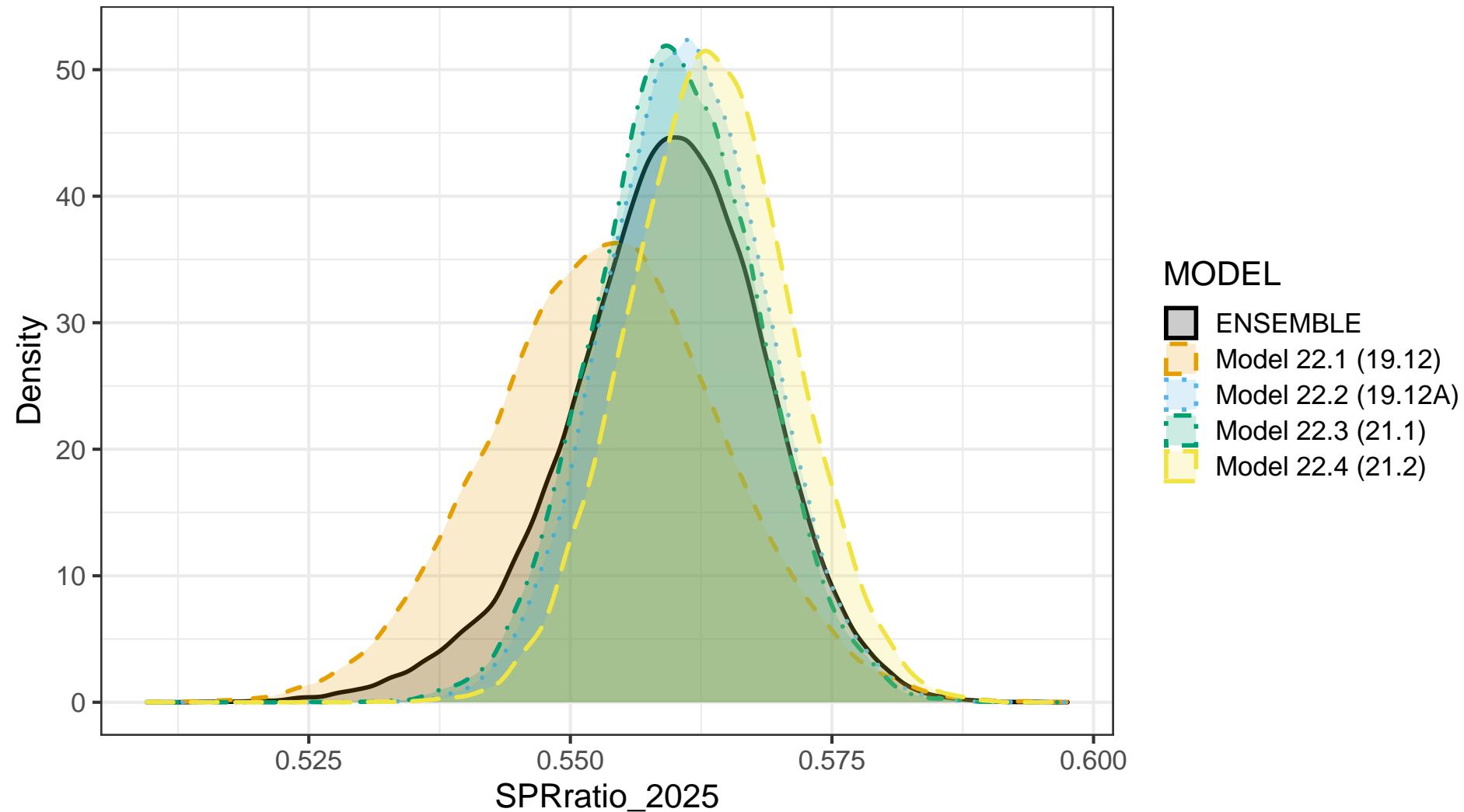
SPRratio_2023



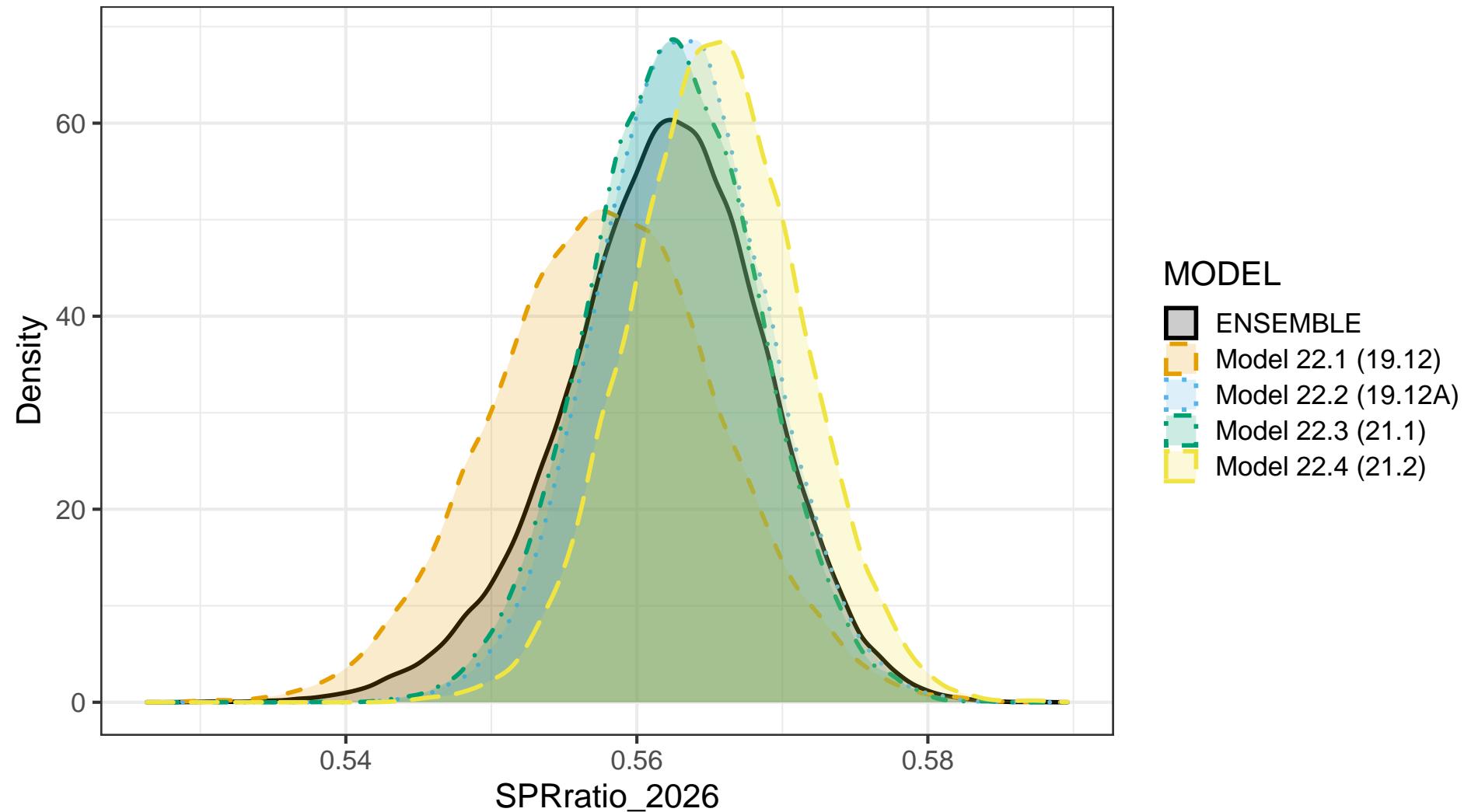
SPRratio_2024



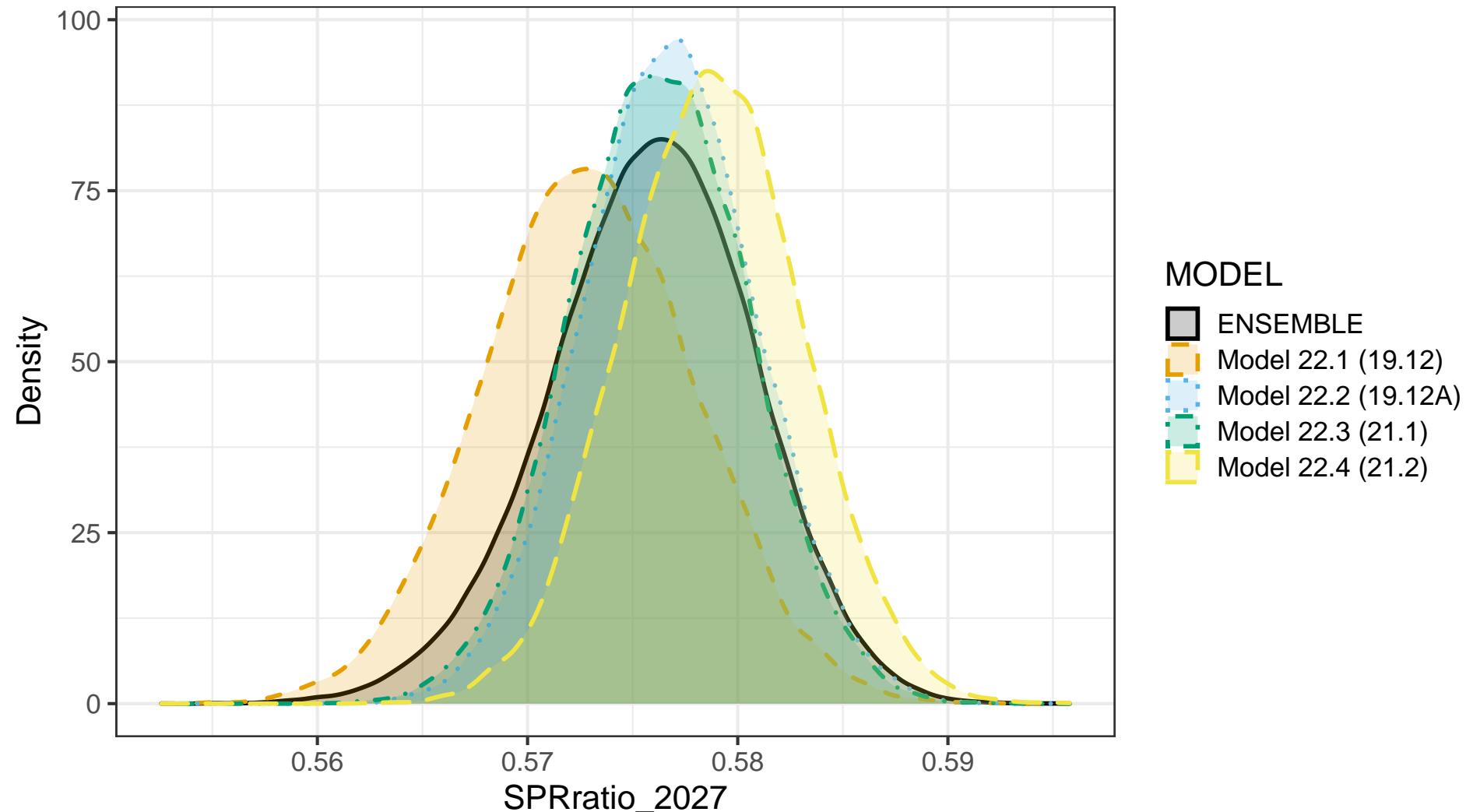
SPRratio_2025



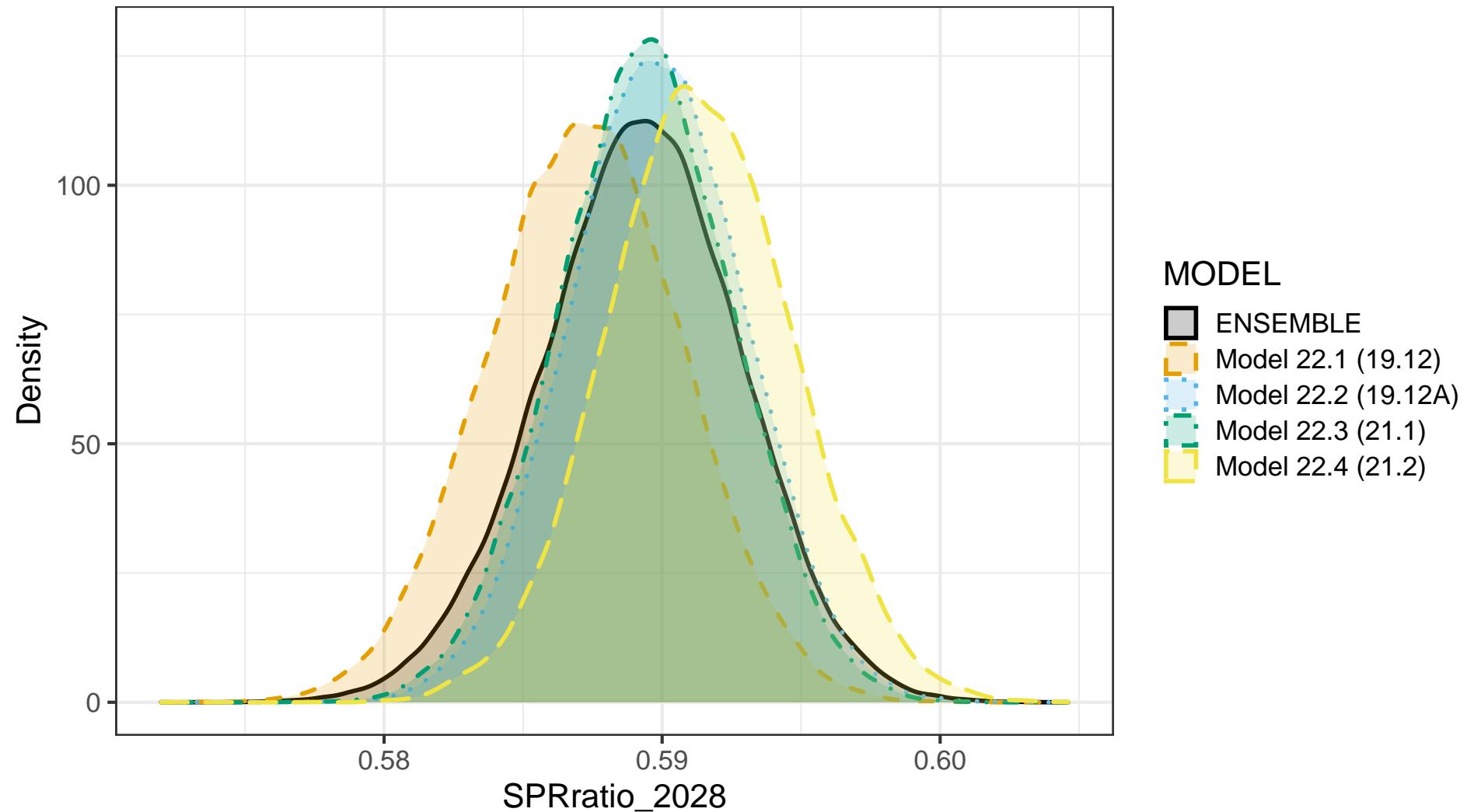
SPRratio_2026



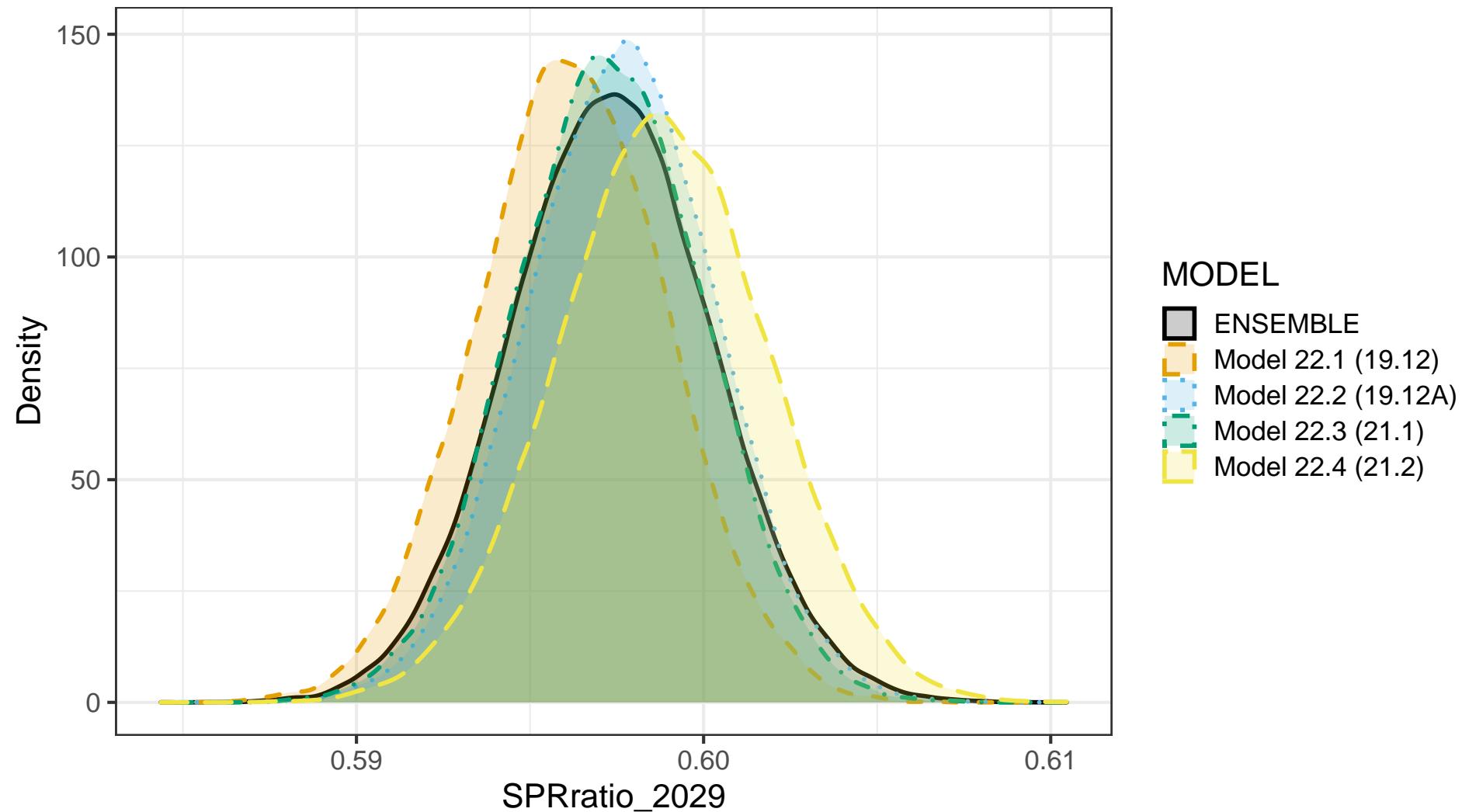
SPRratio_2027



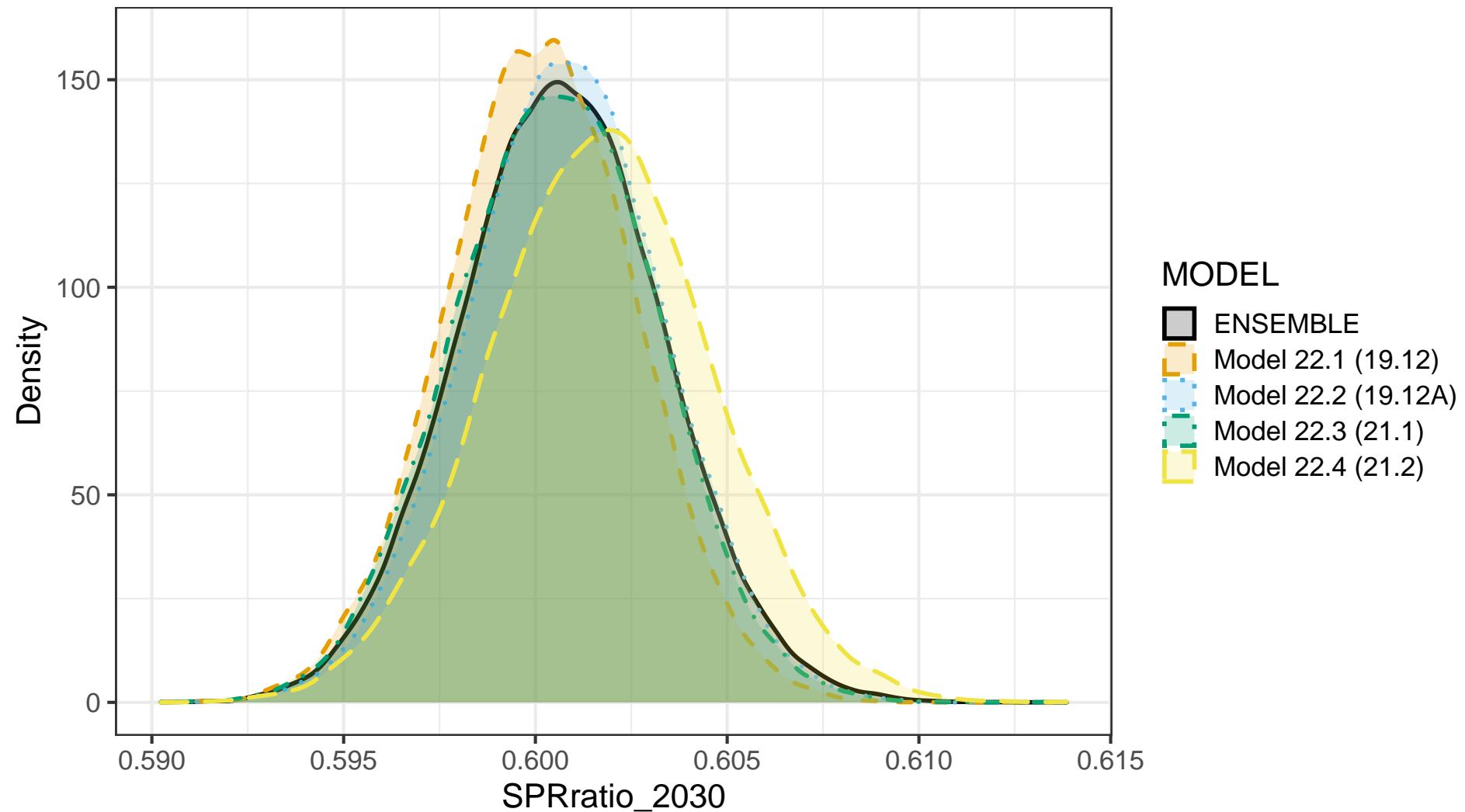
SPRratio_2028



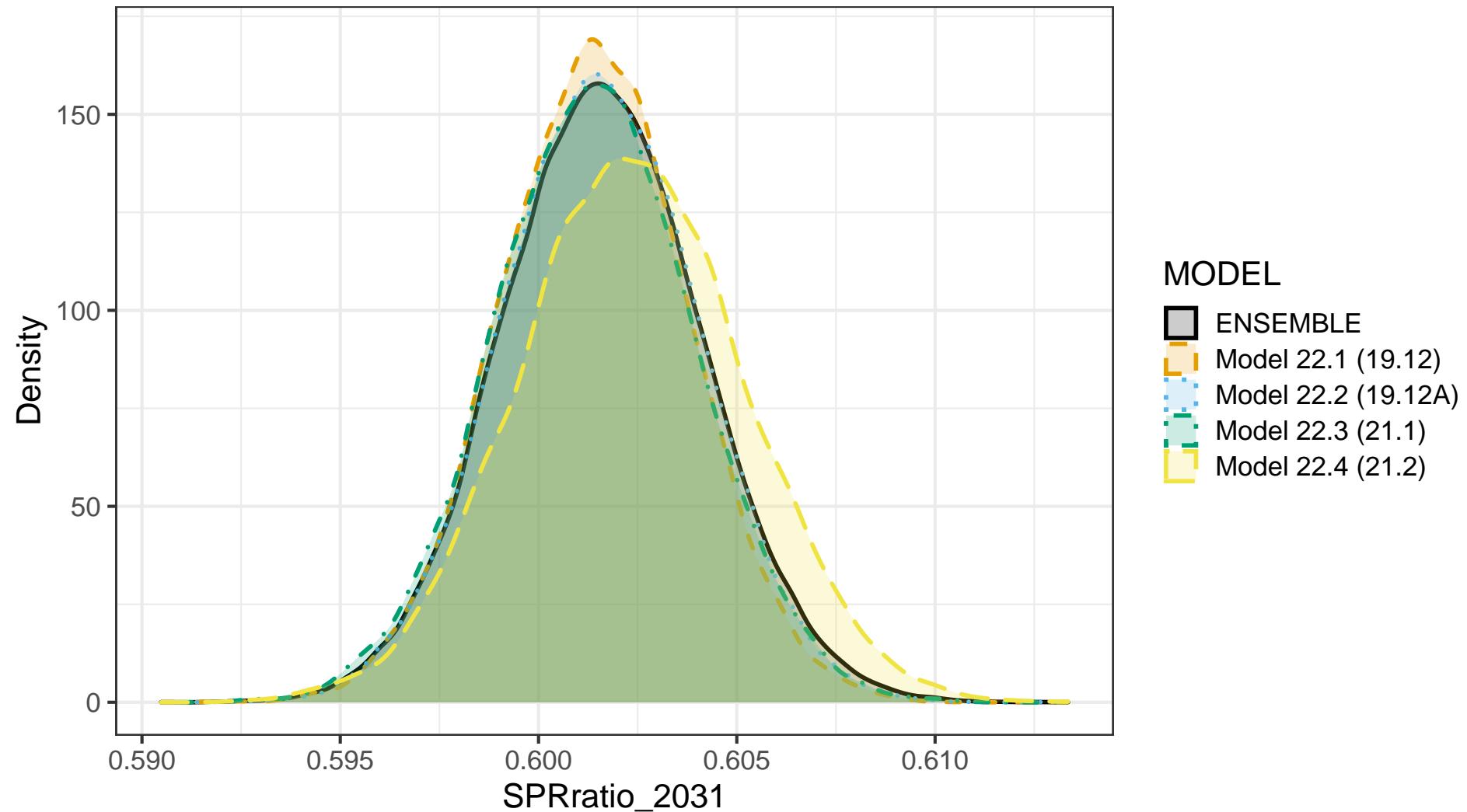
SPRratio_2029



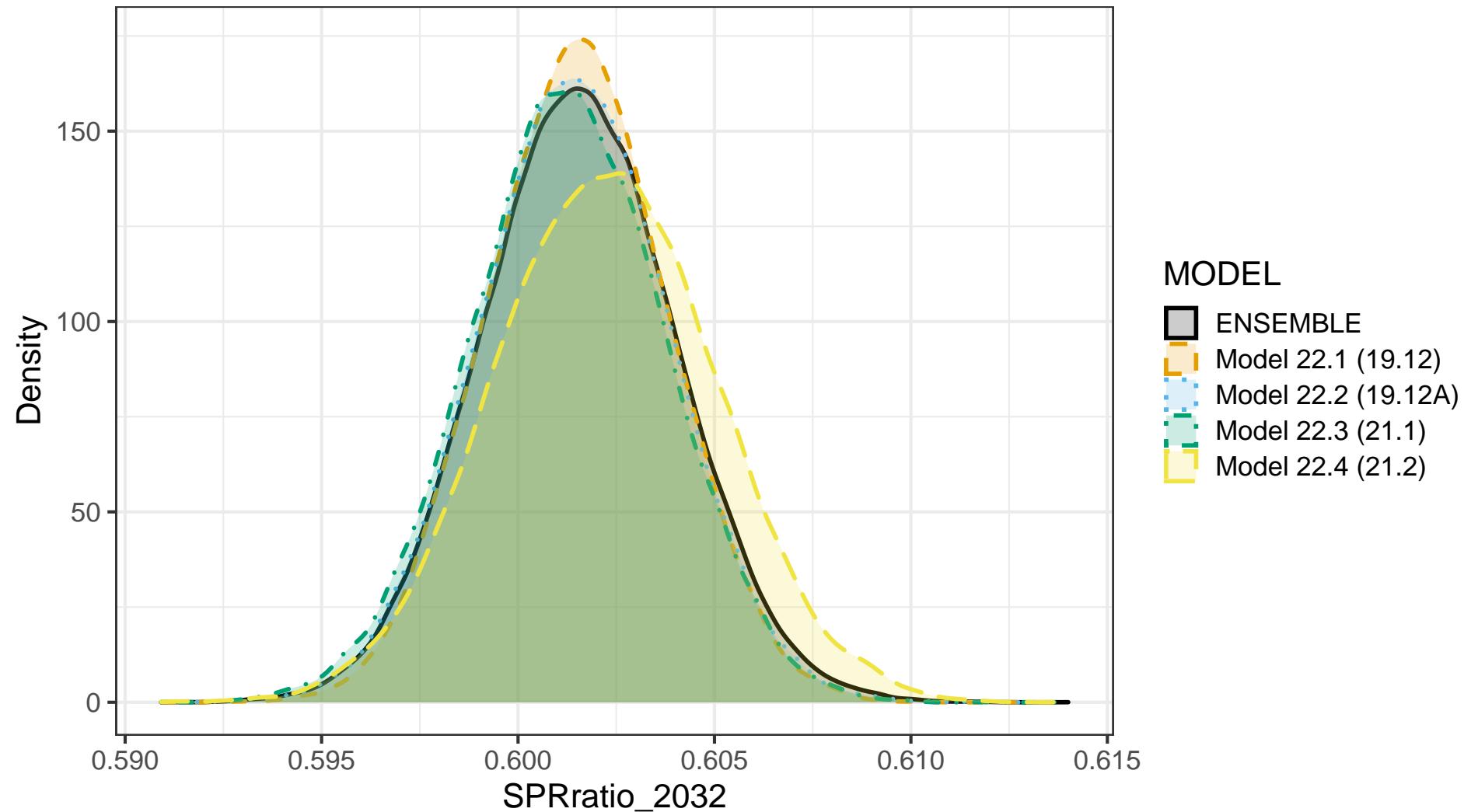
SPRratio_2030



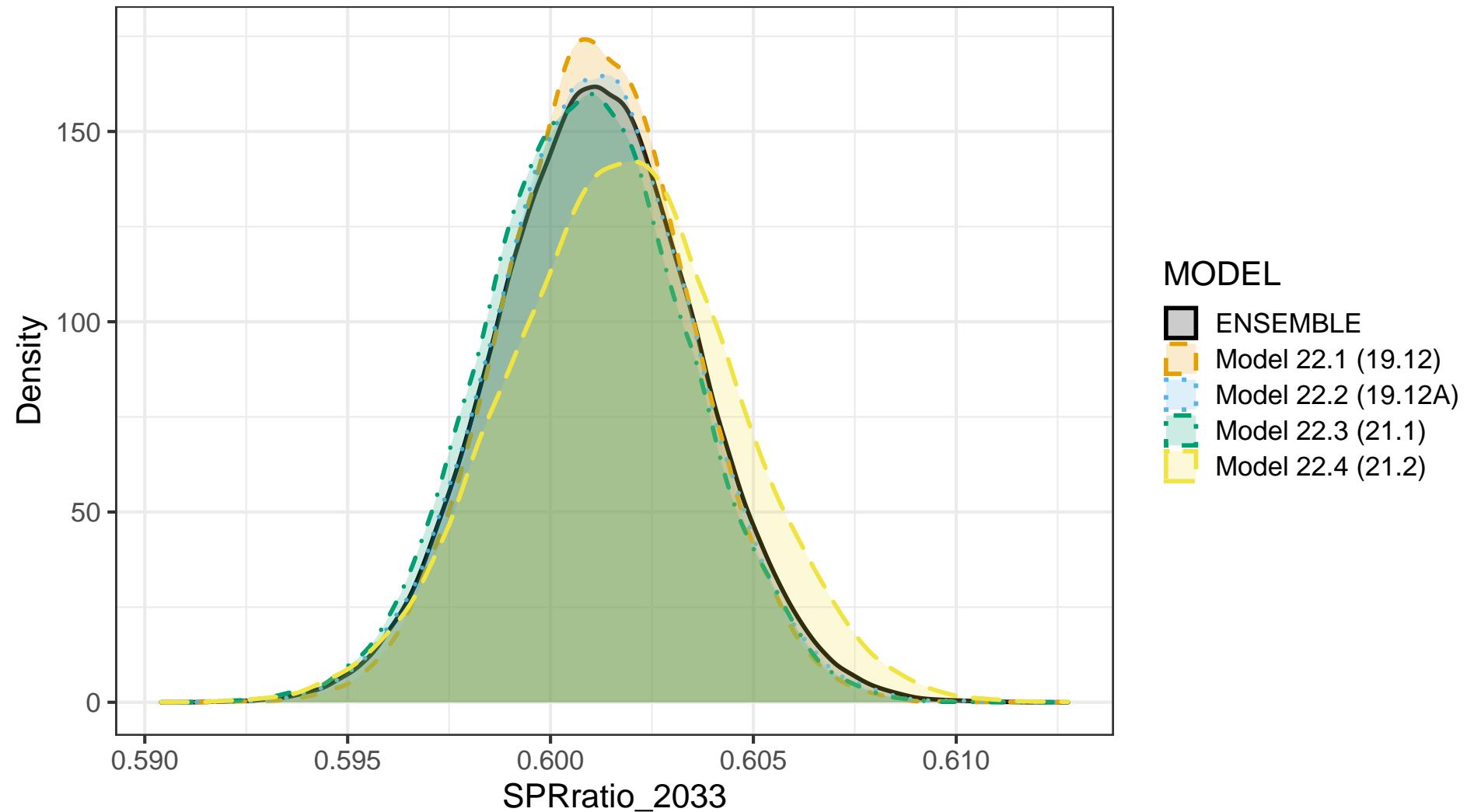
SPRratio_2031



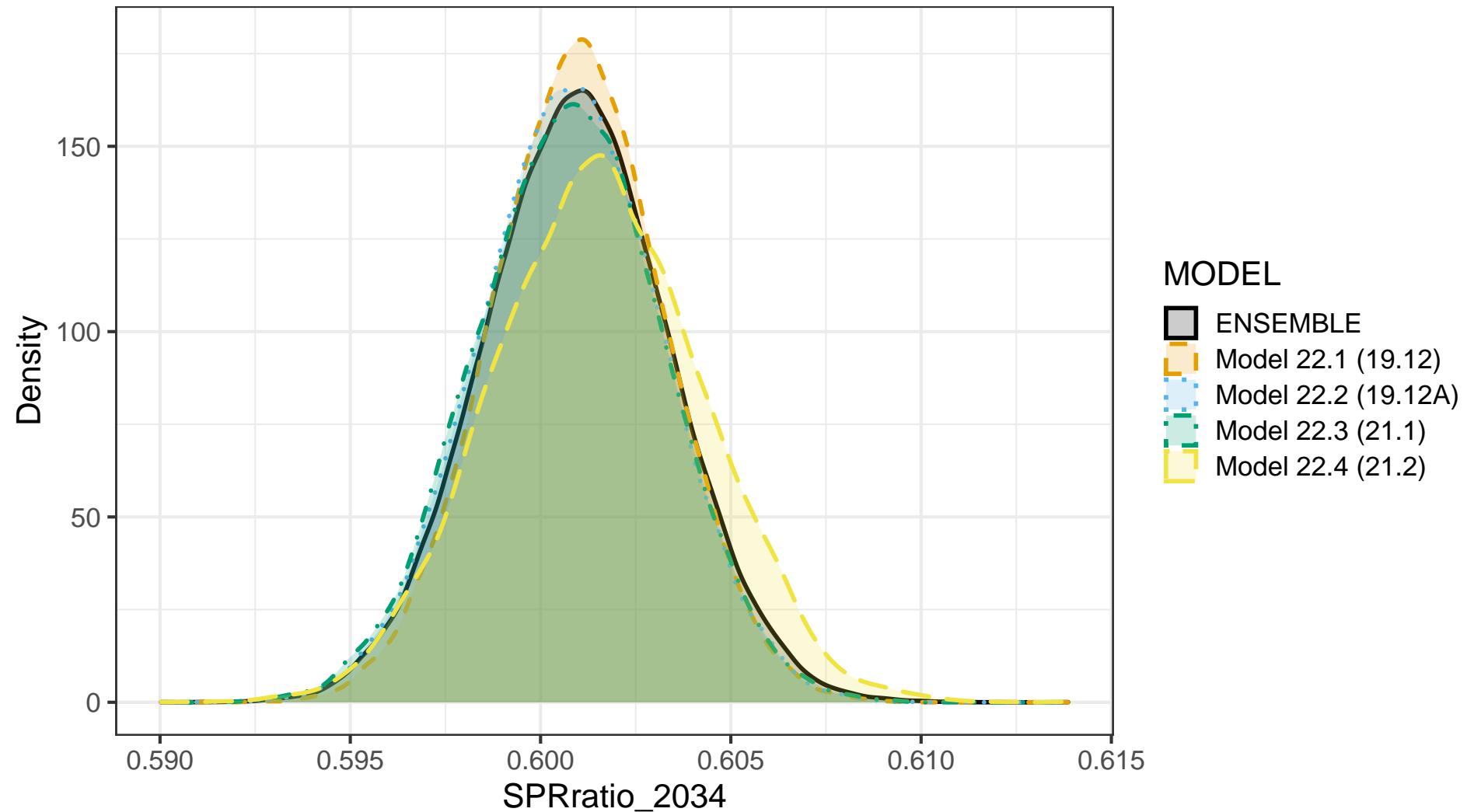
SPRratio_2032



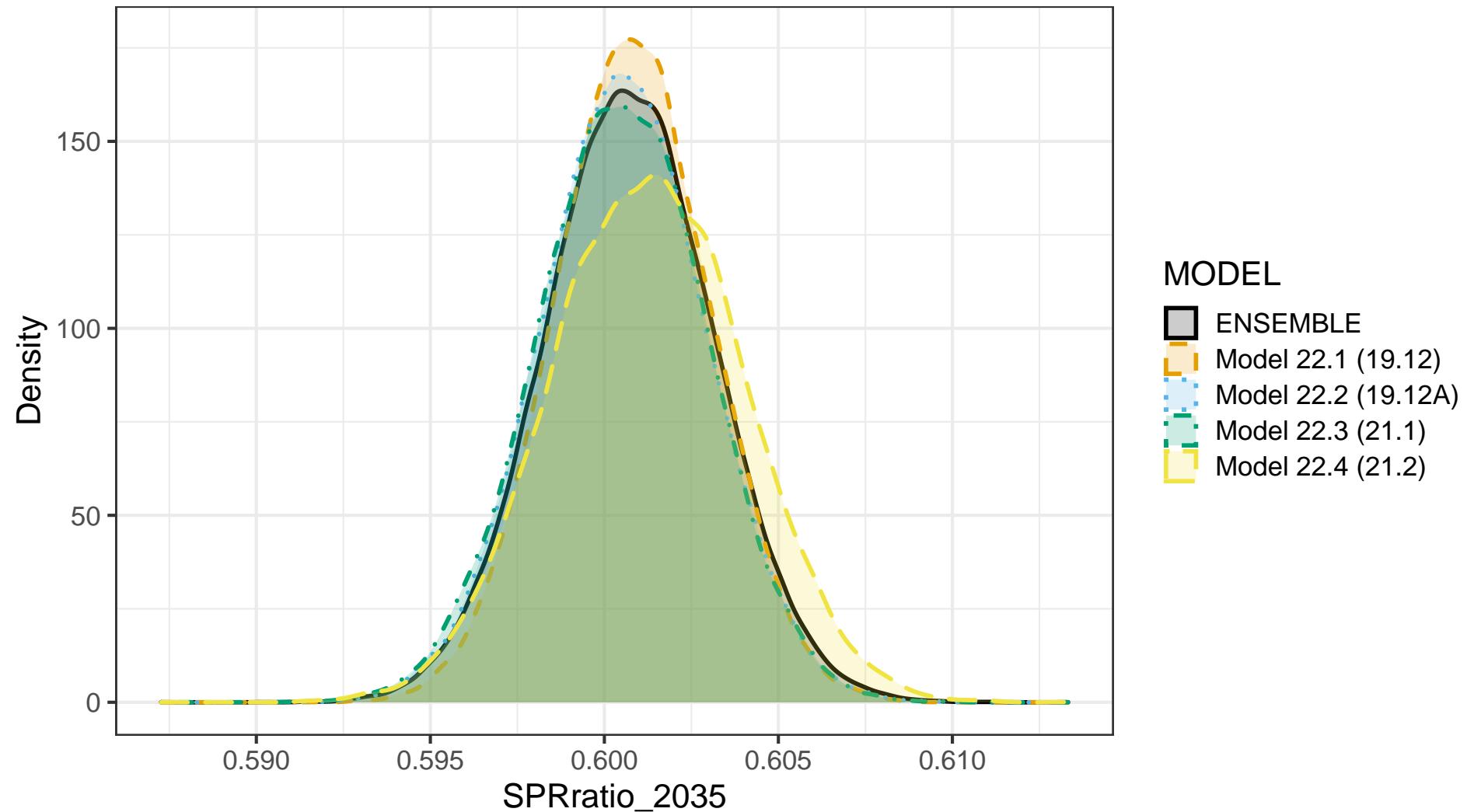
SPRratio_2033



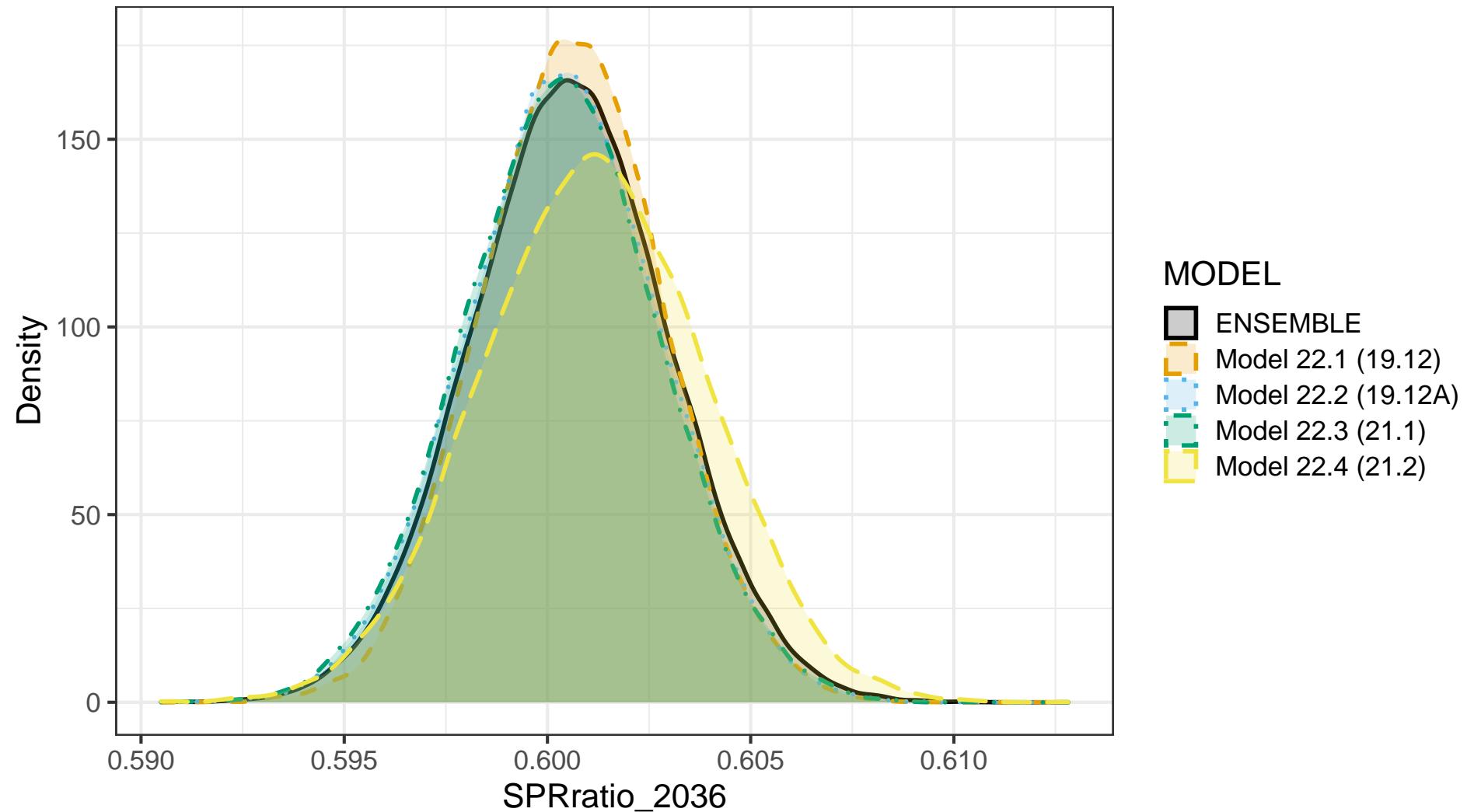
SPRratio_2034



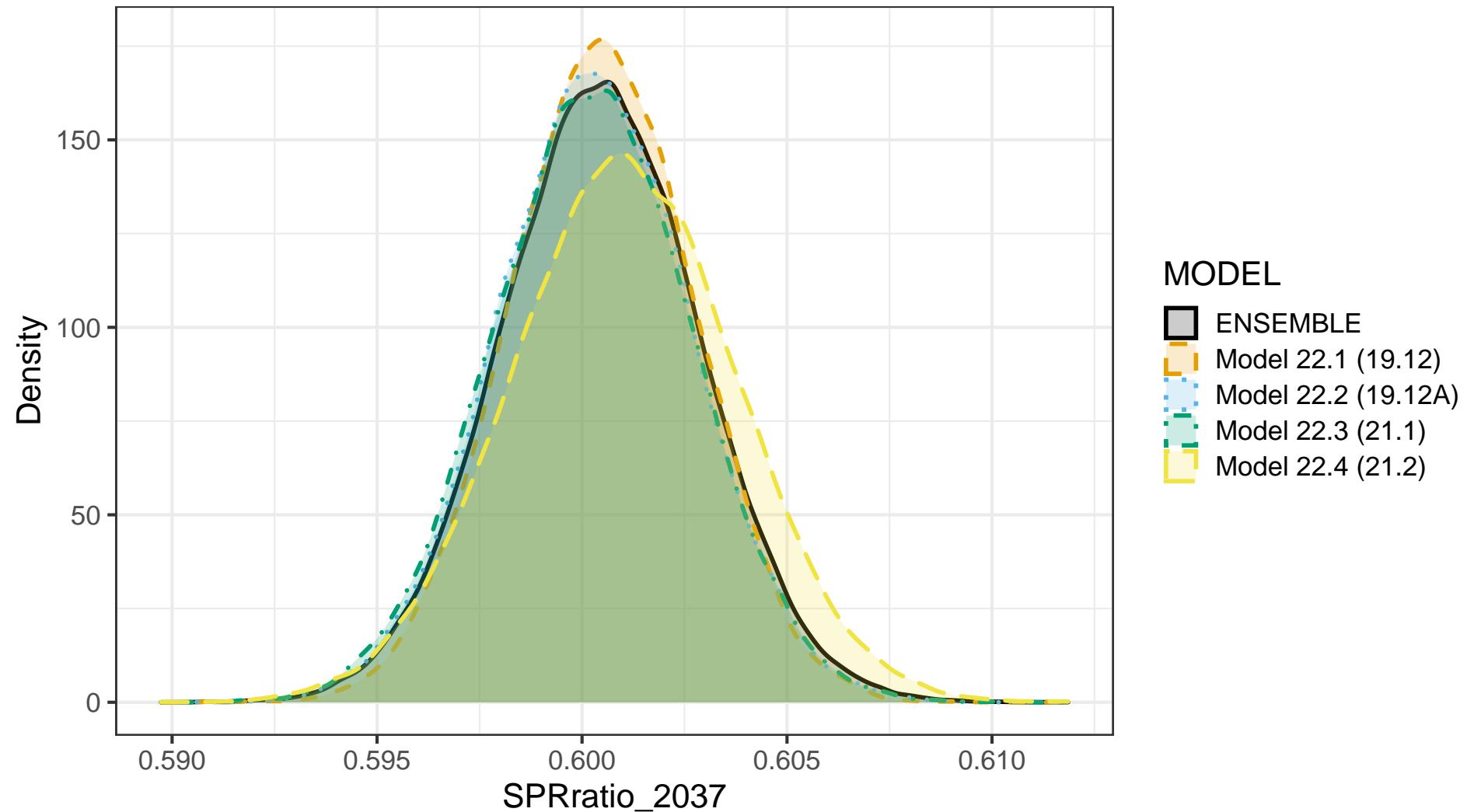
SPRratio_2035



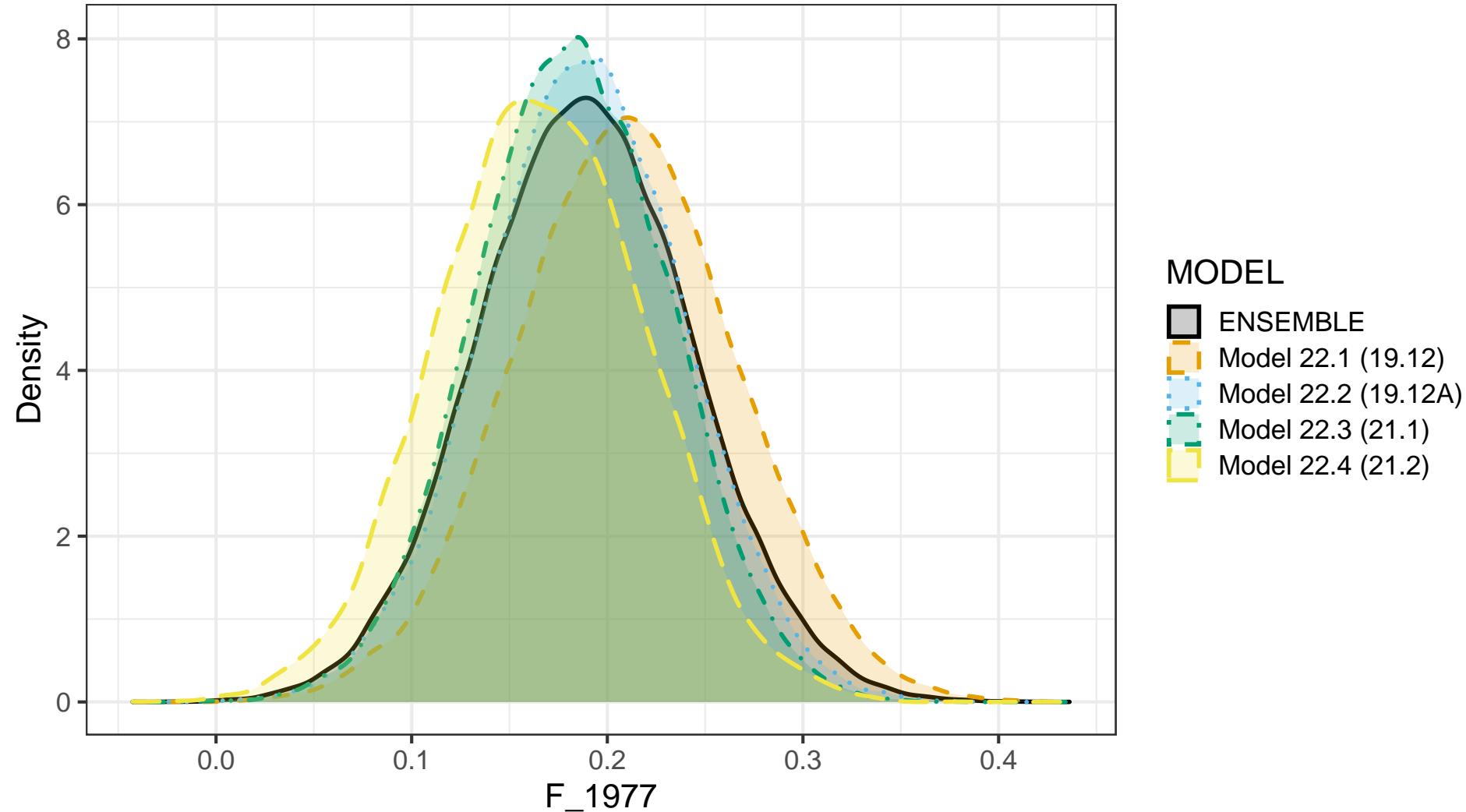
SPRratio_2036



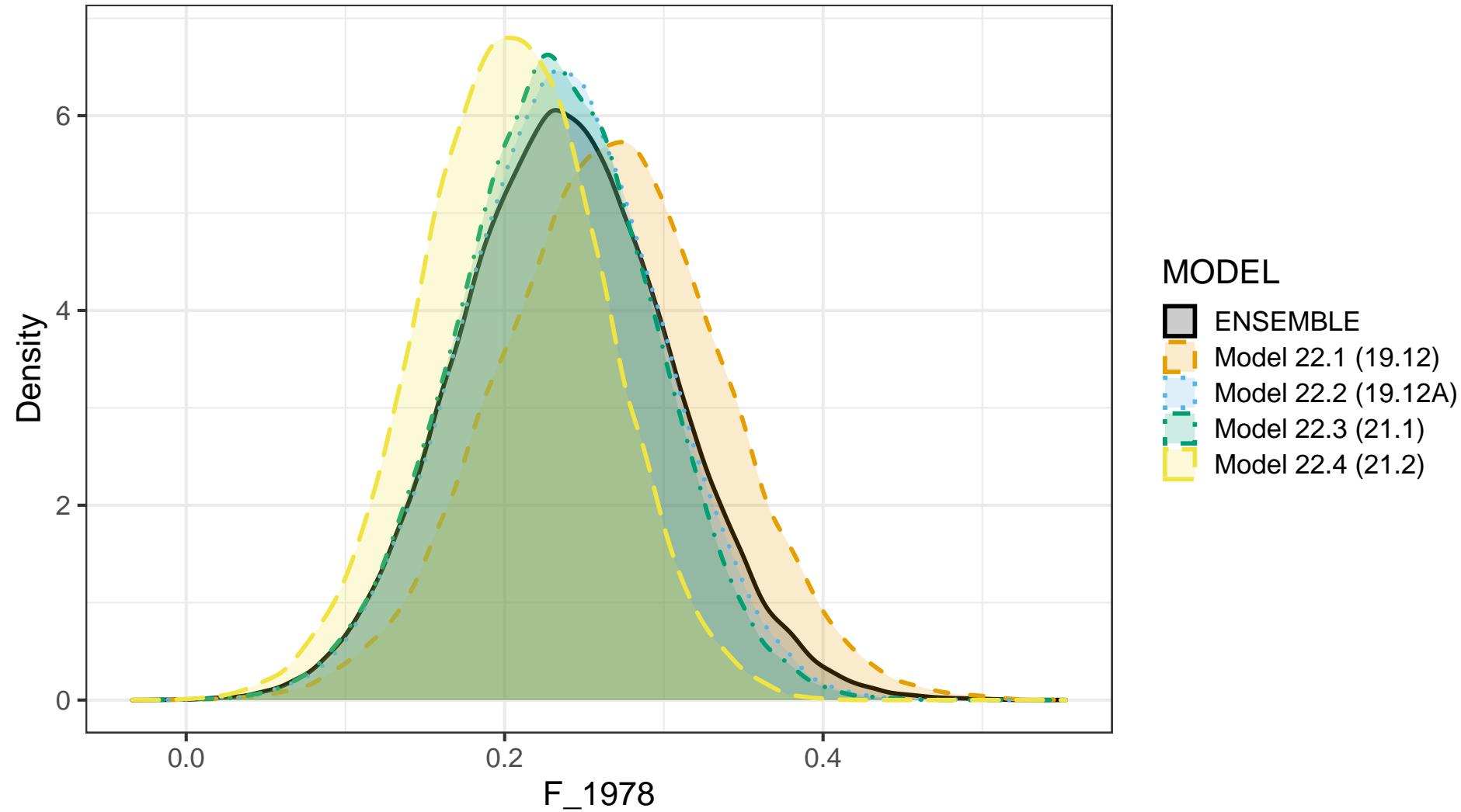
SPRratio_2037



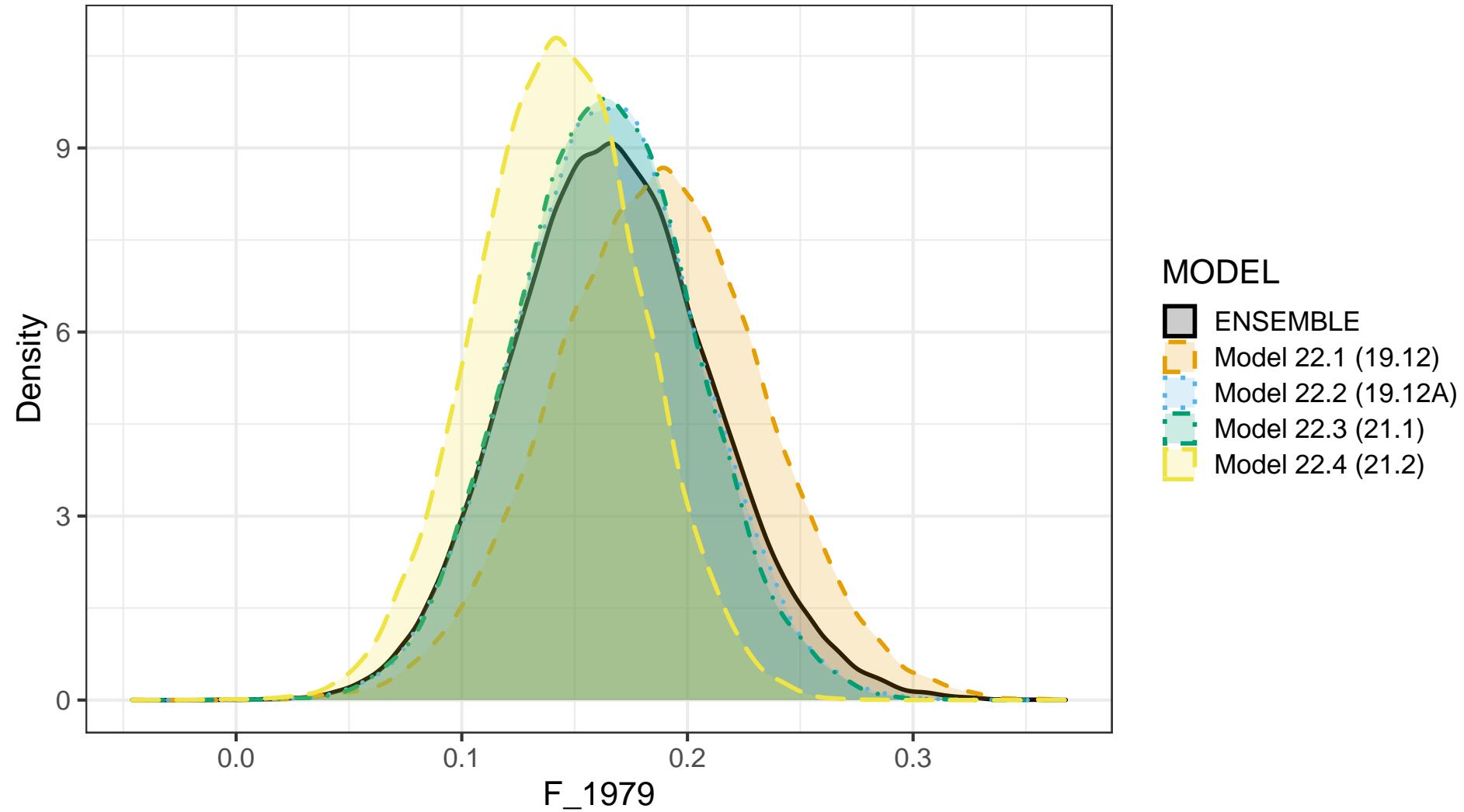
F_1977



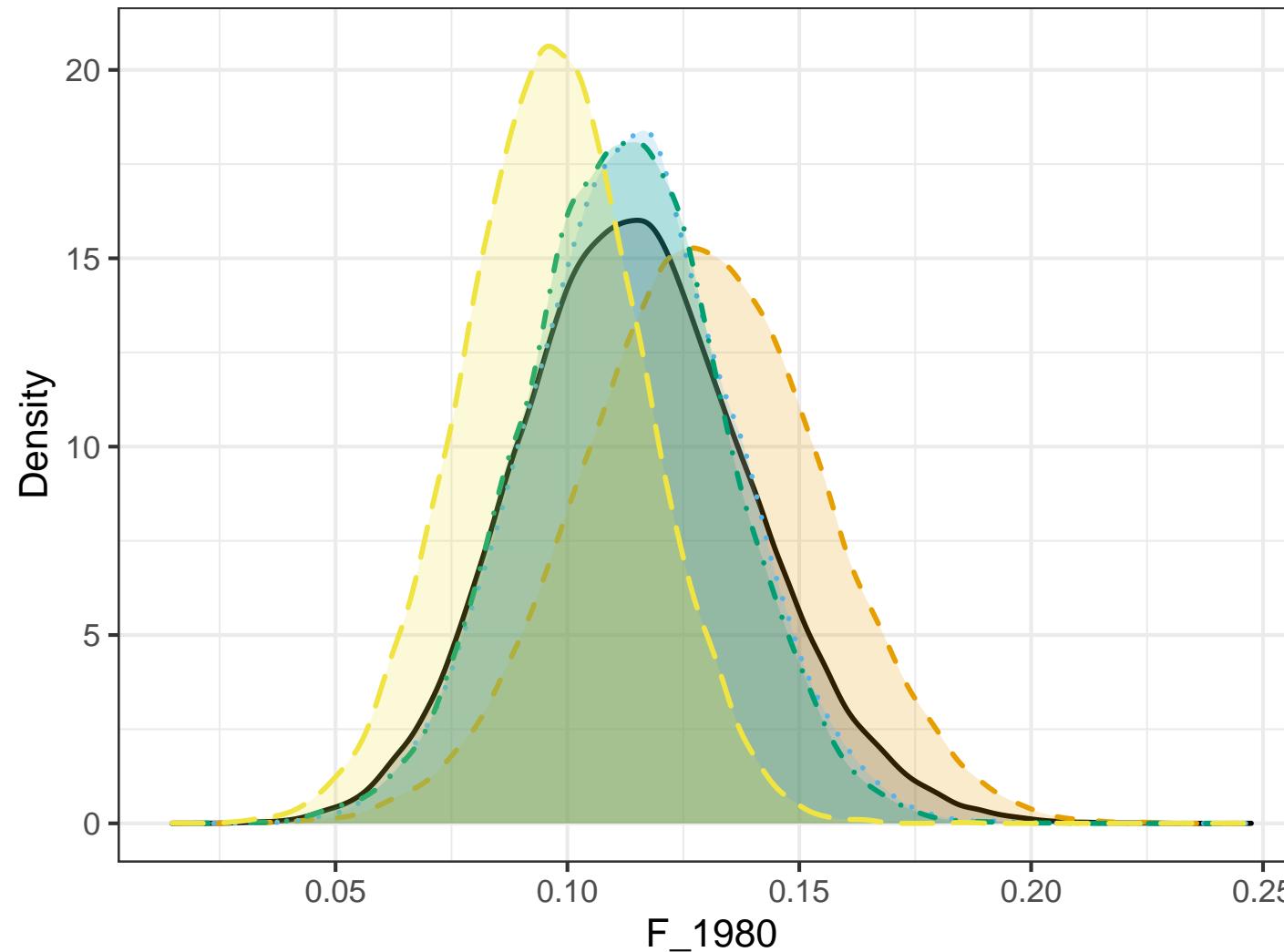
F_1978



F_1979



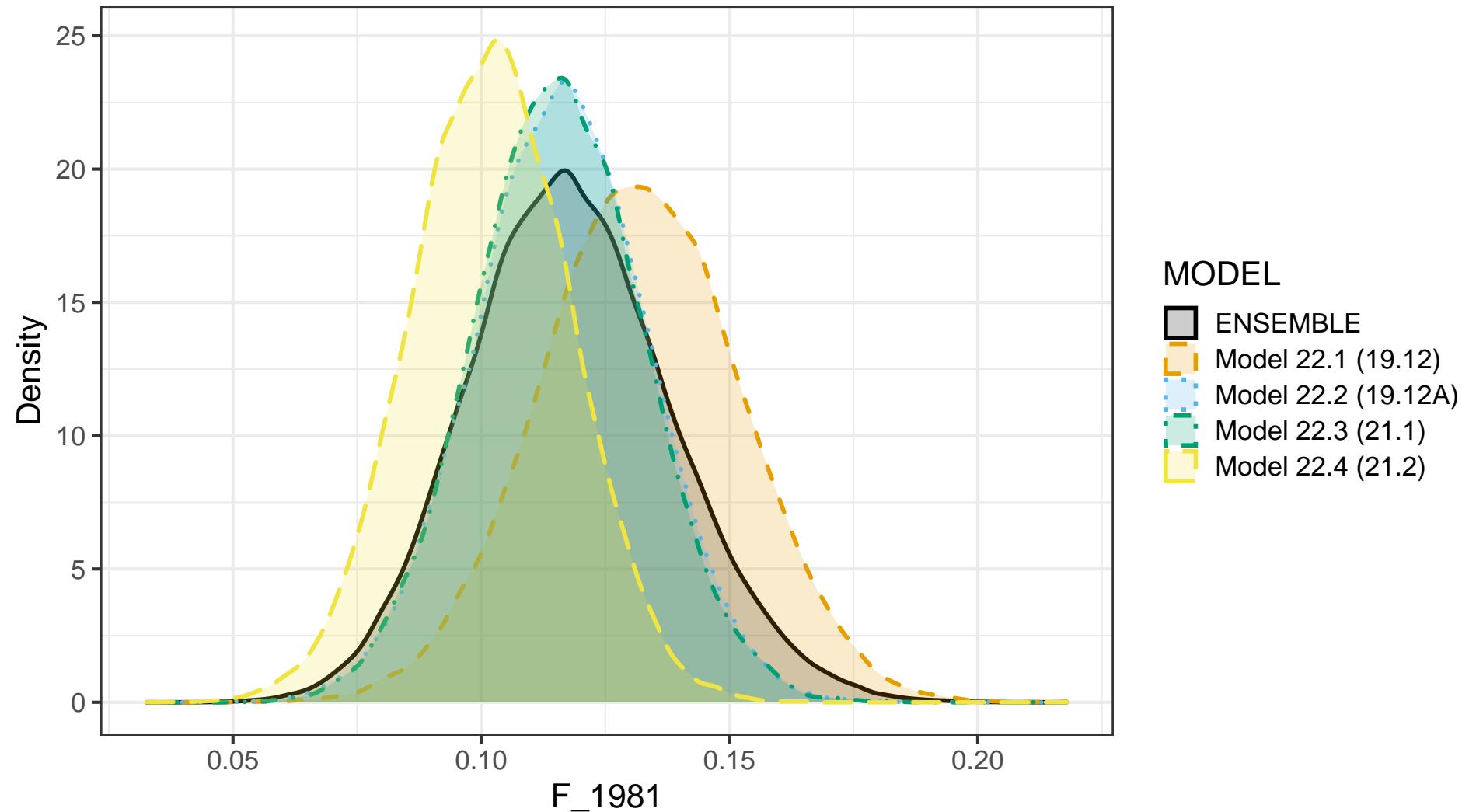
F_1980



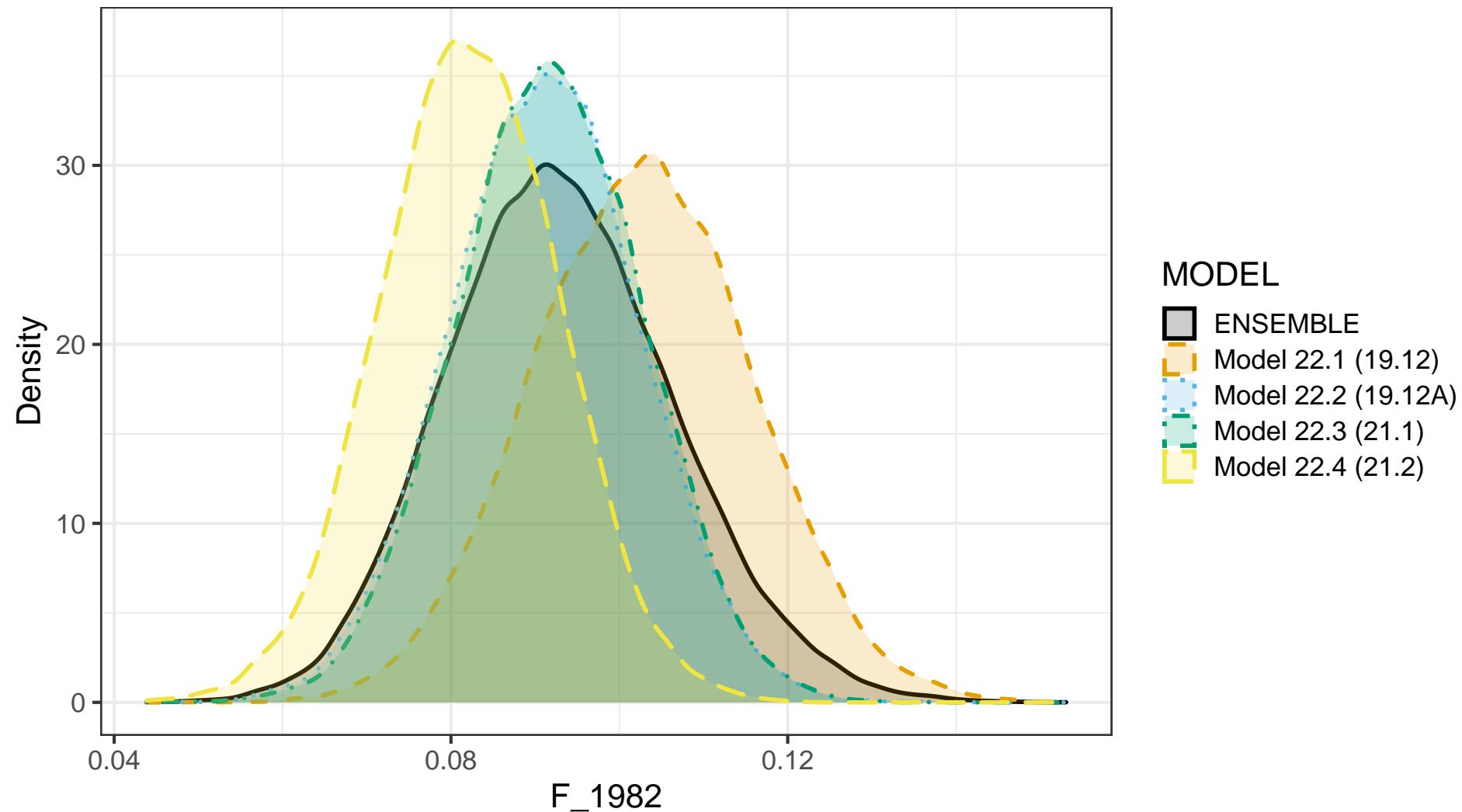
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

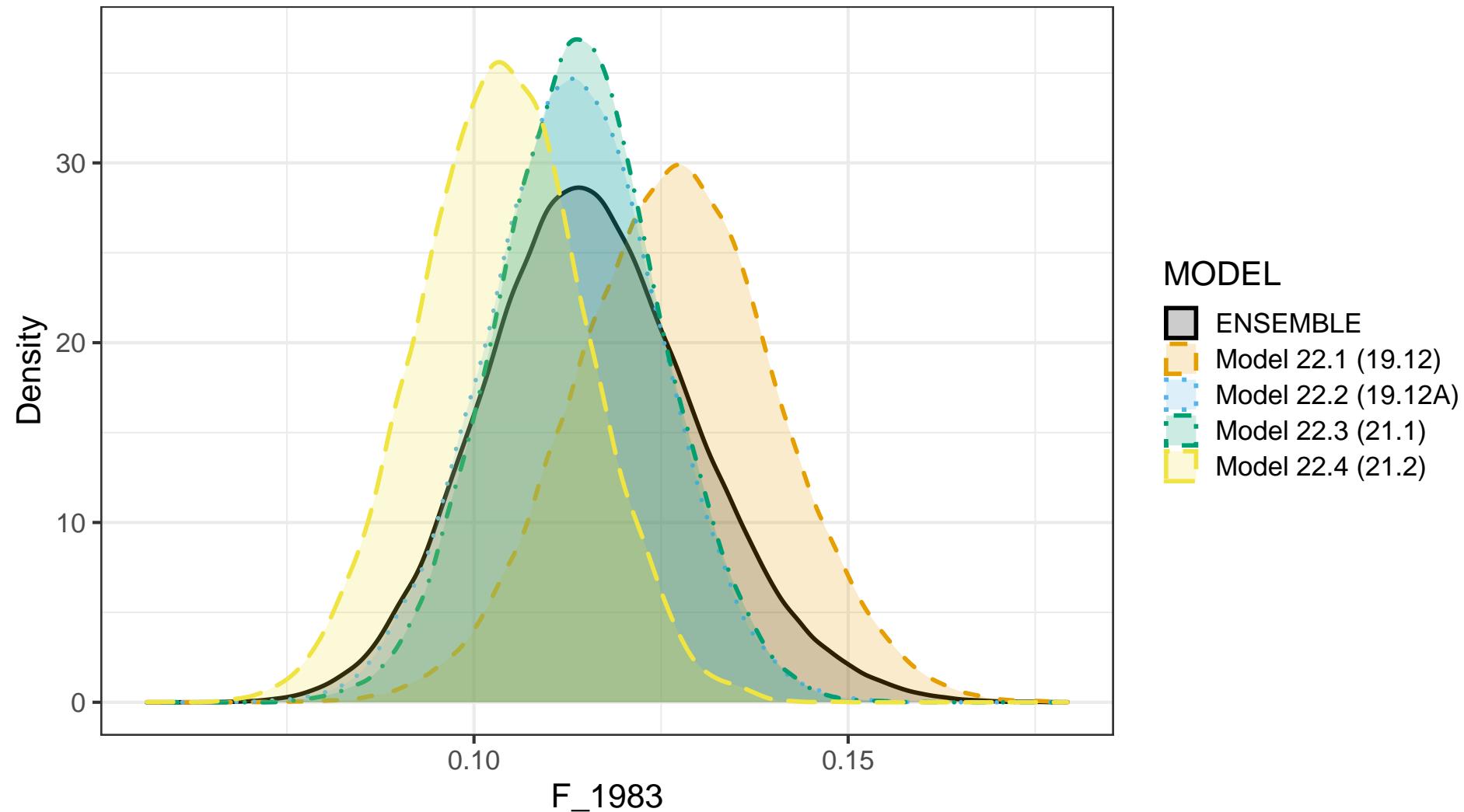
F_1981



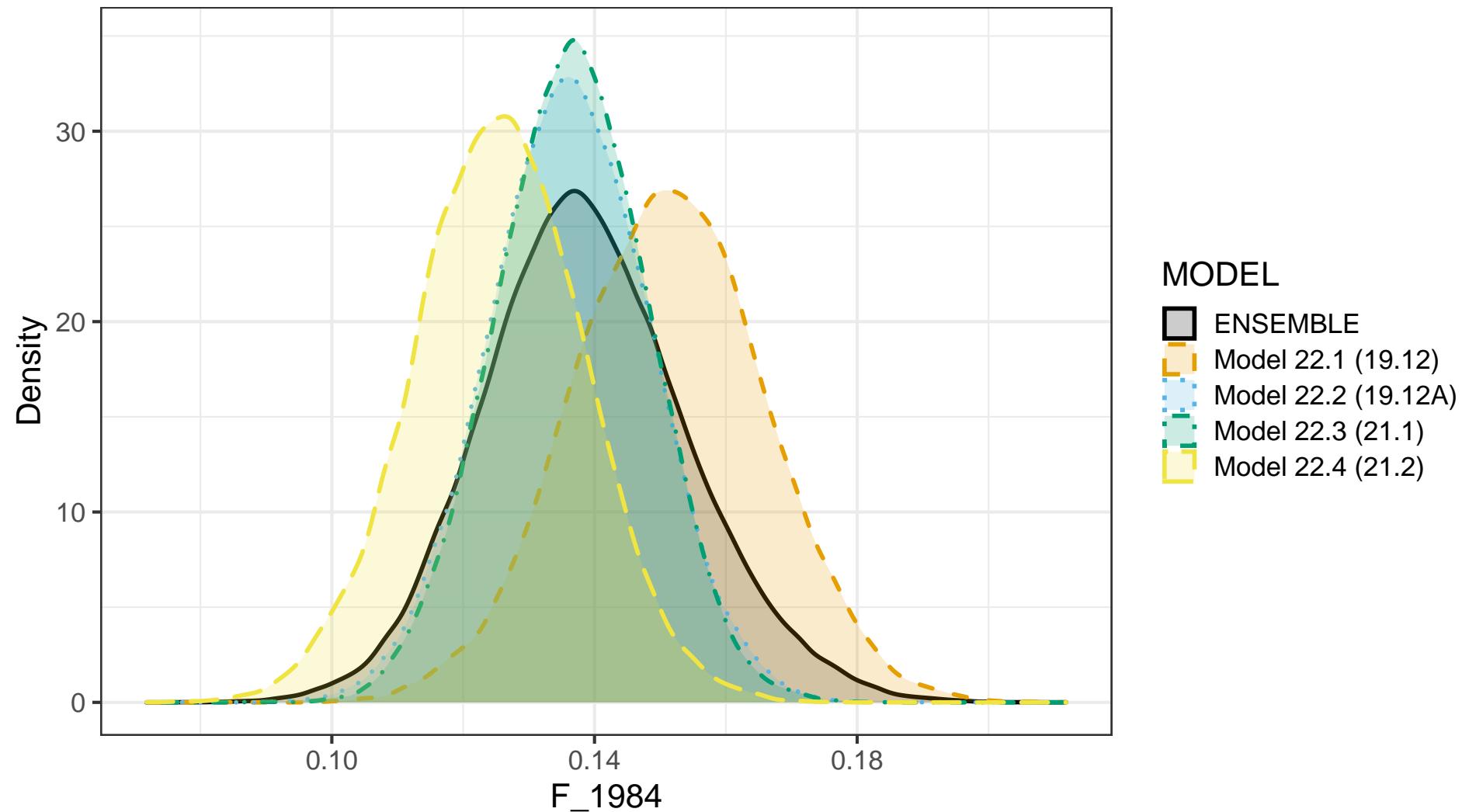
F_1982



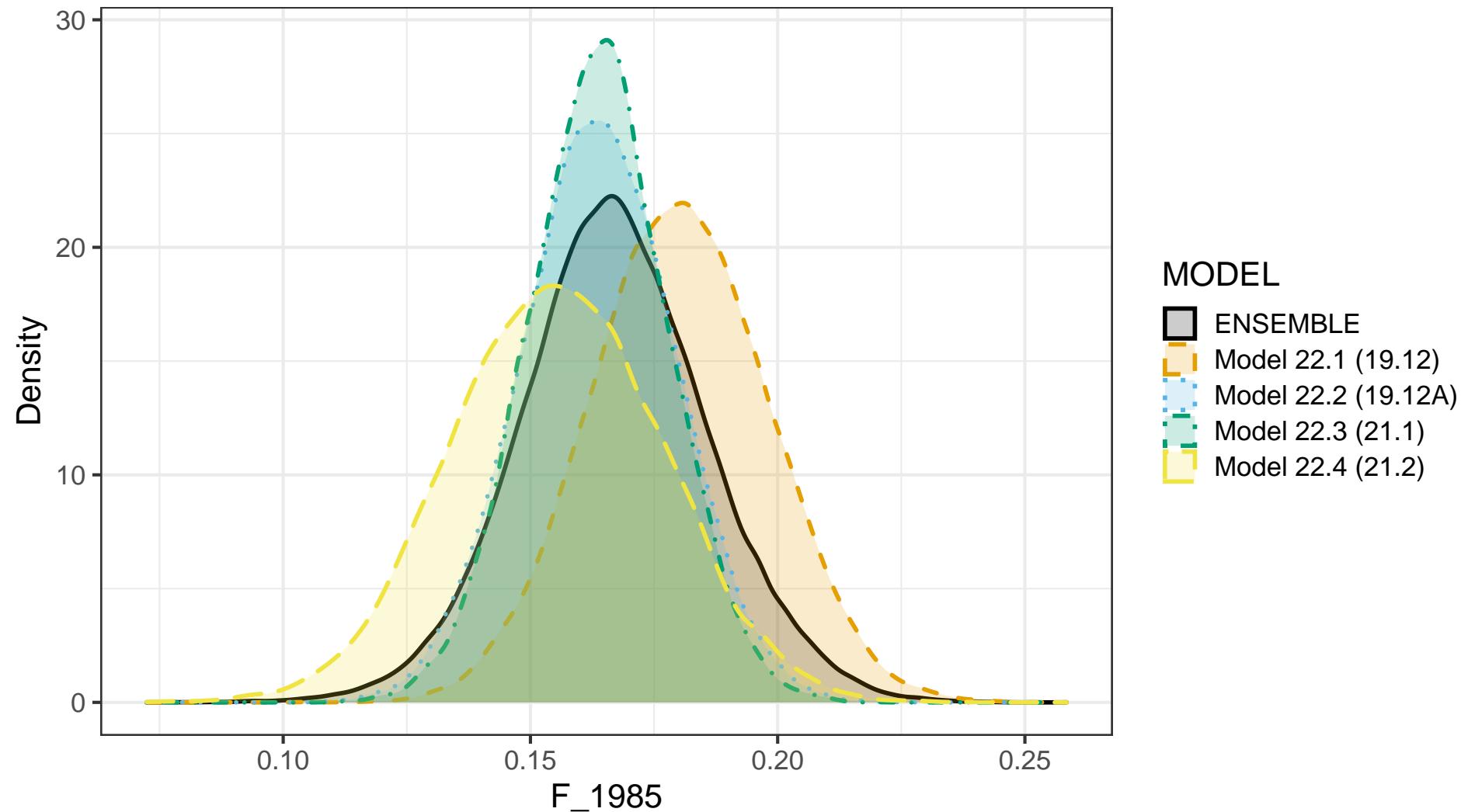
F_1983



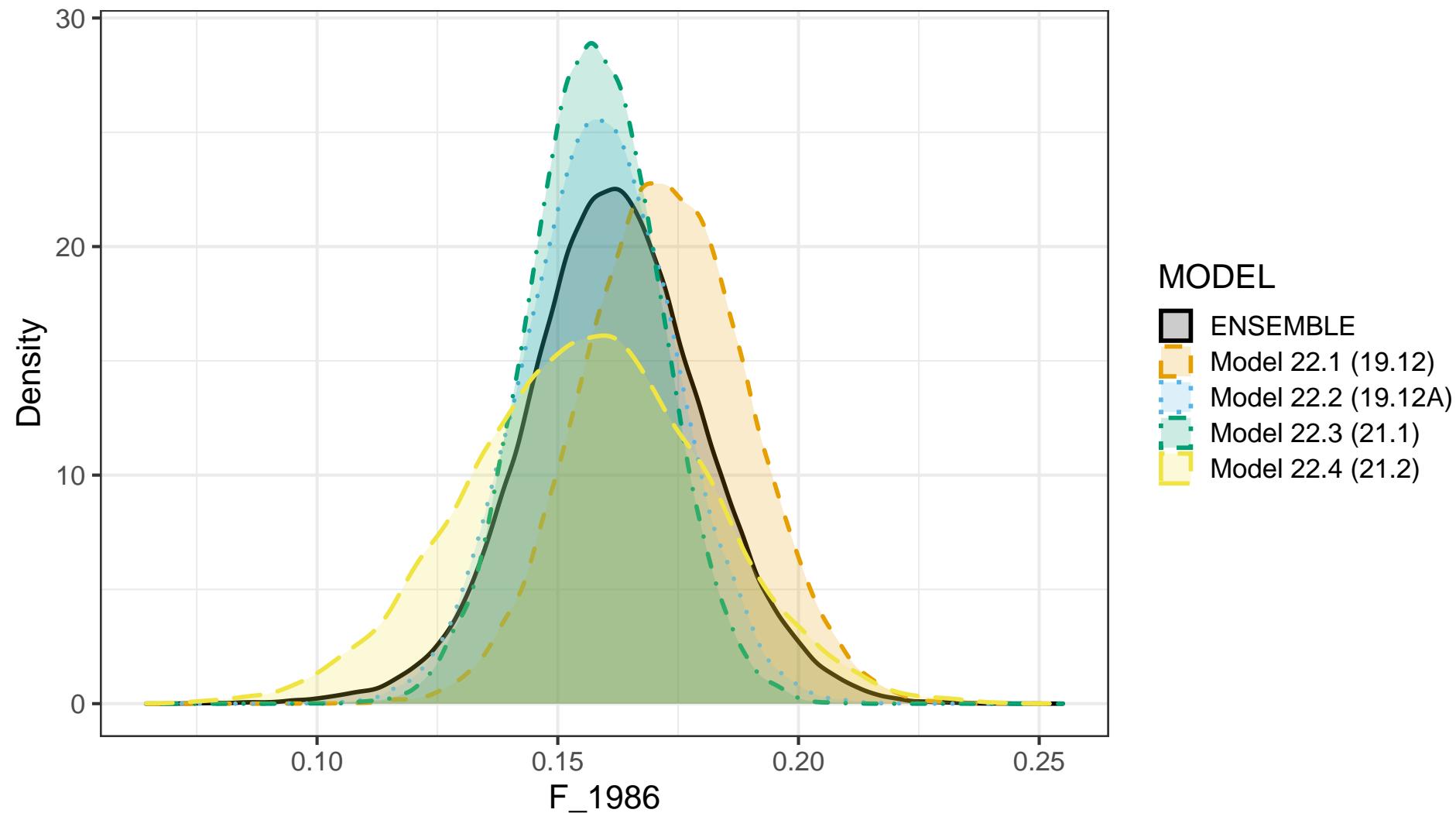
F_1984



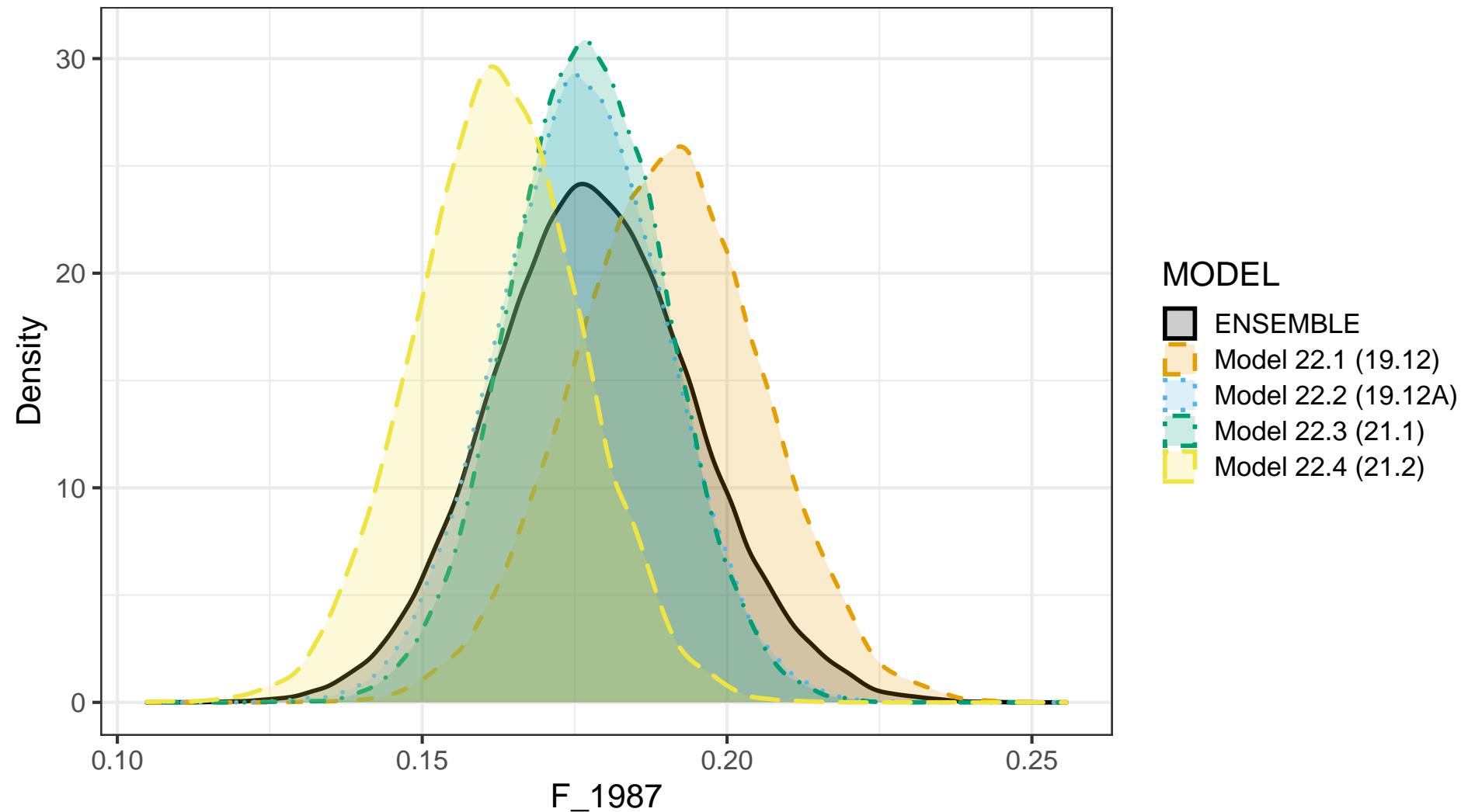
F_1985



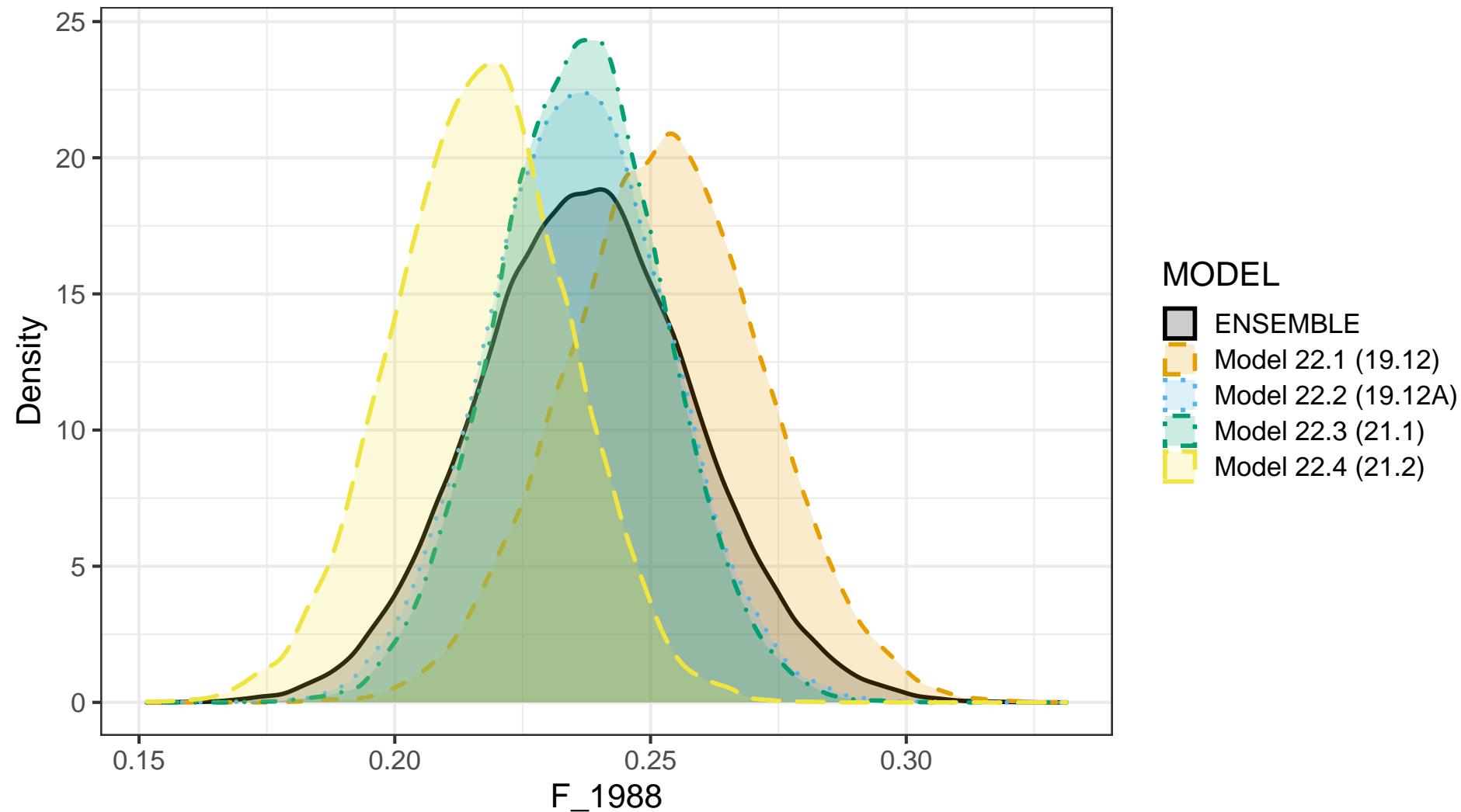
F_1986



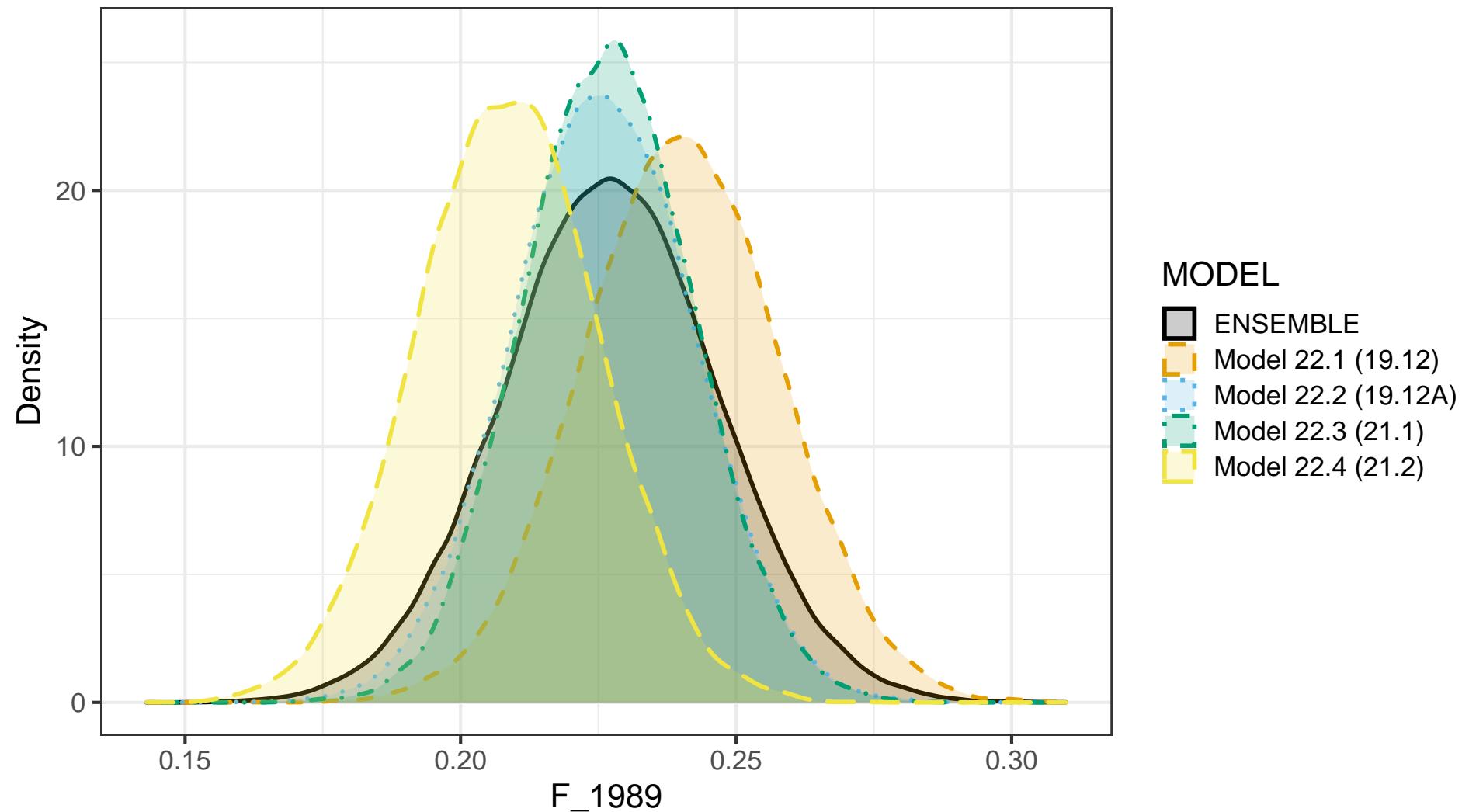
F_1987



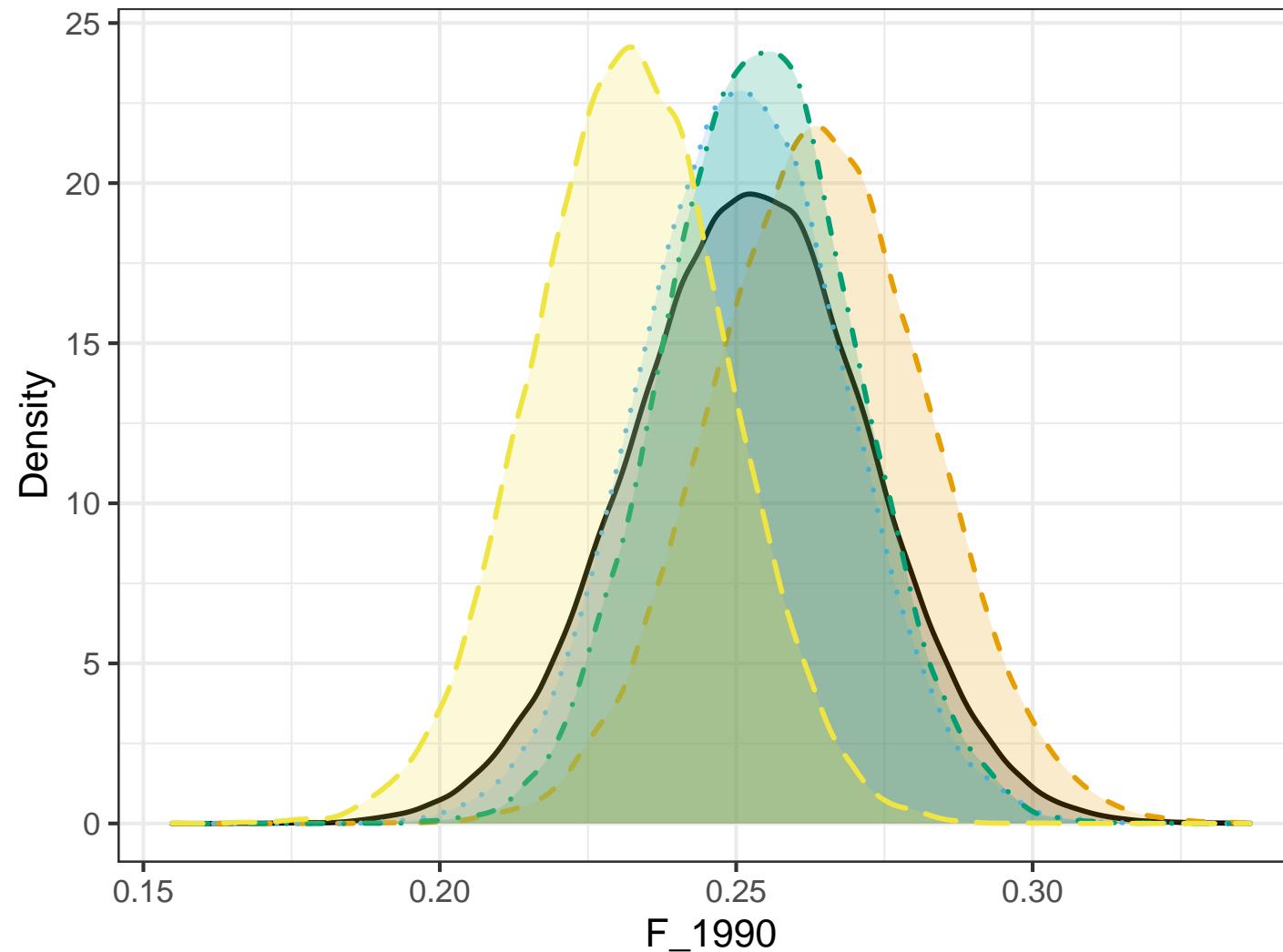
F_1988



F_1989



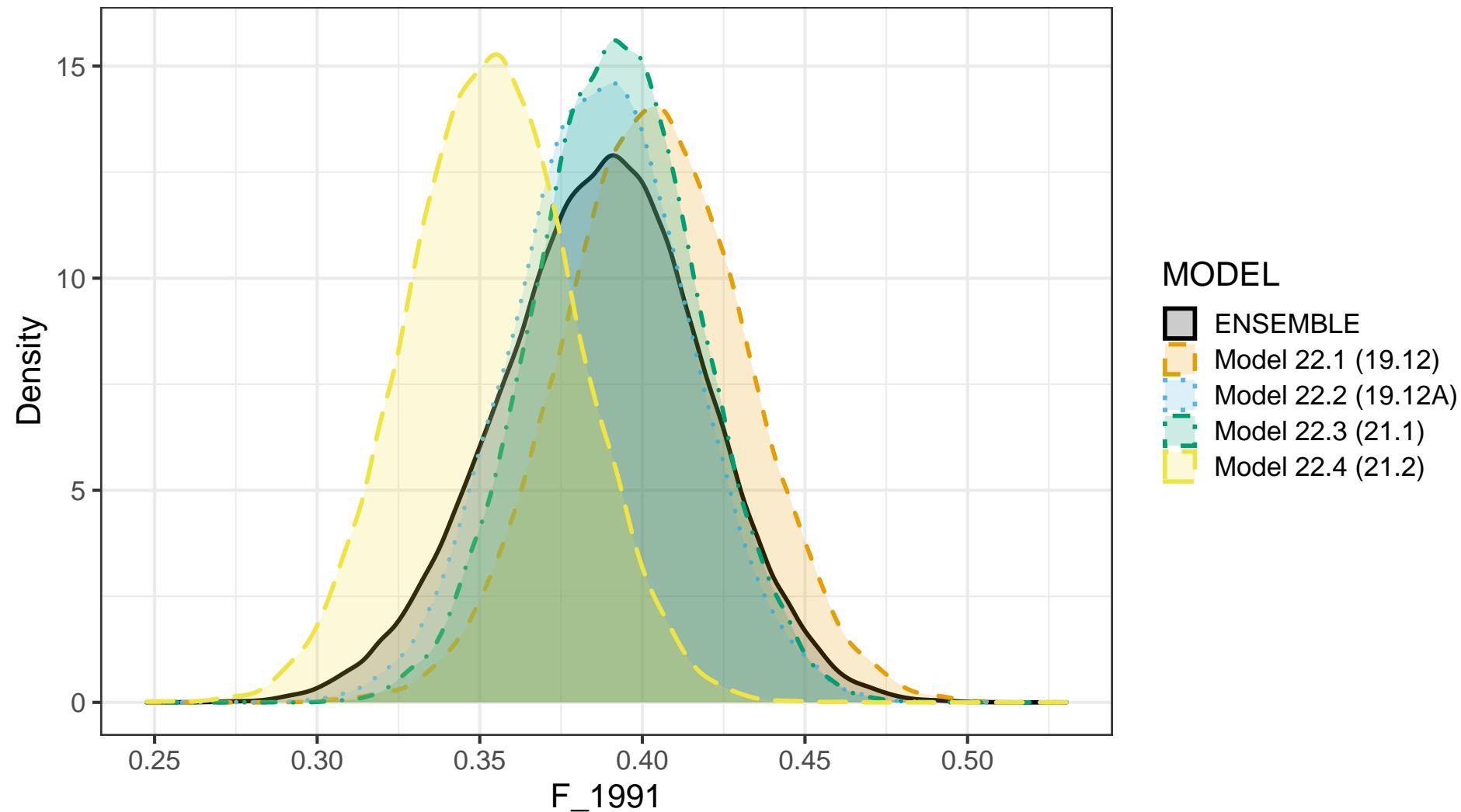
F_1990



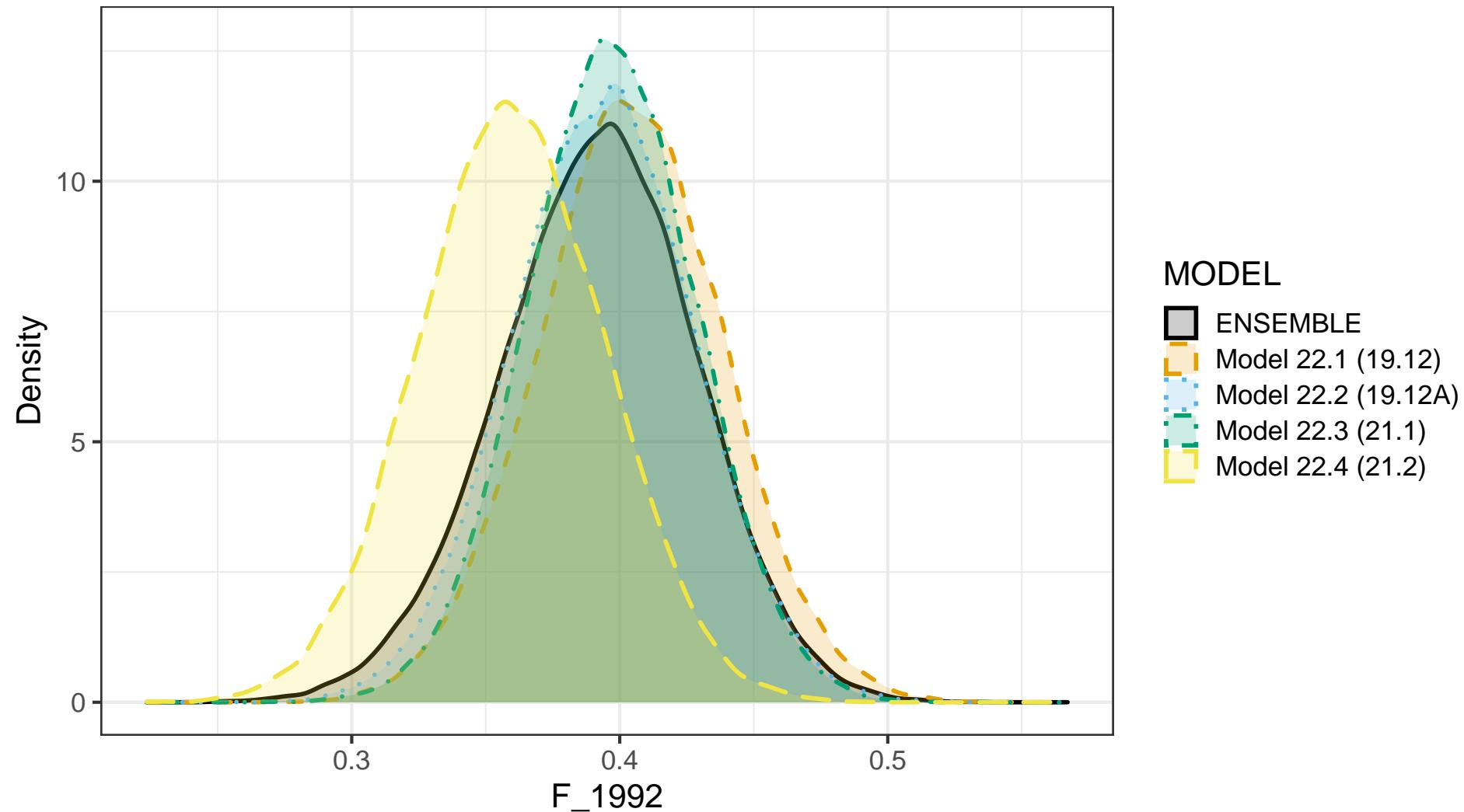
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

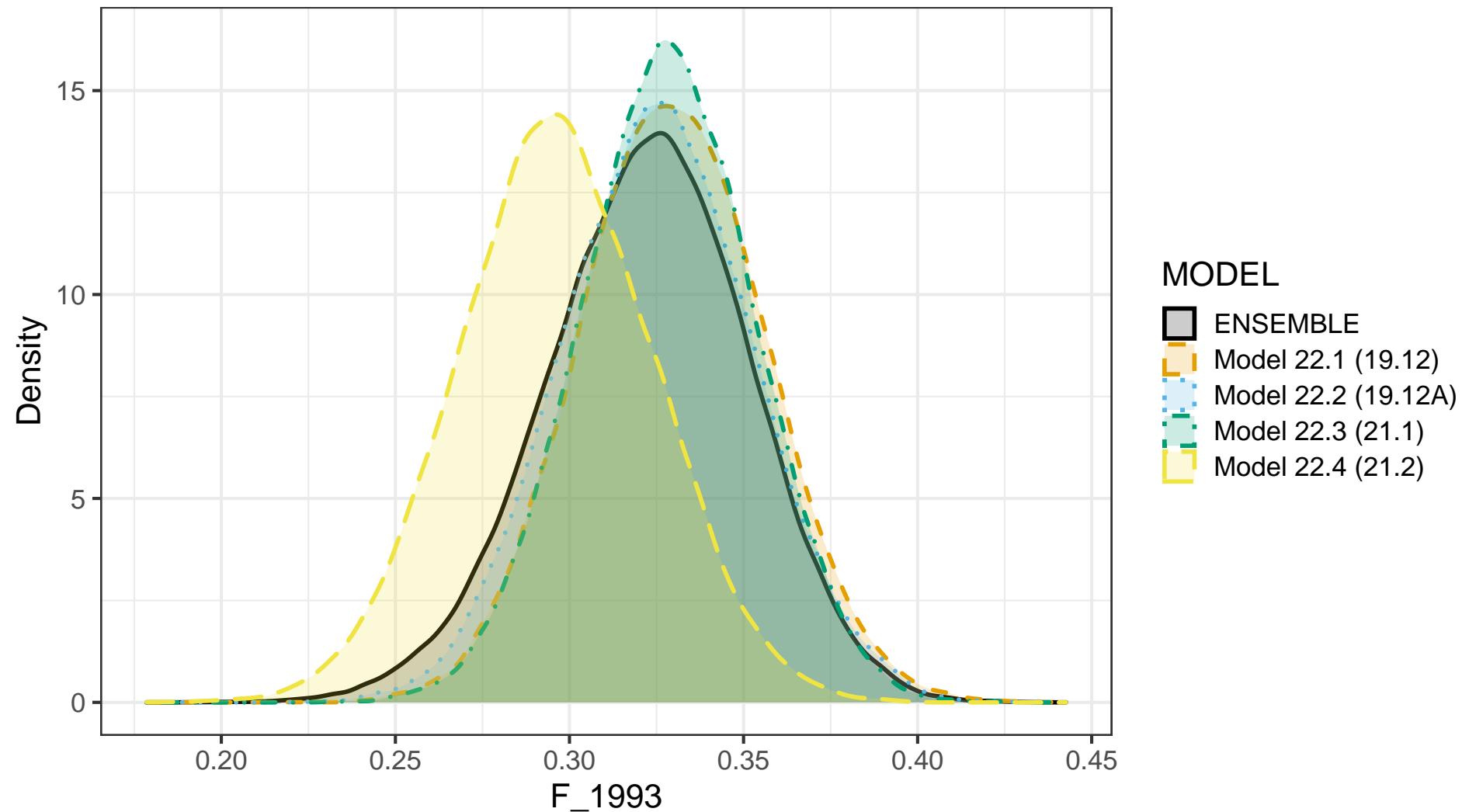
F_1991



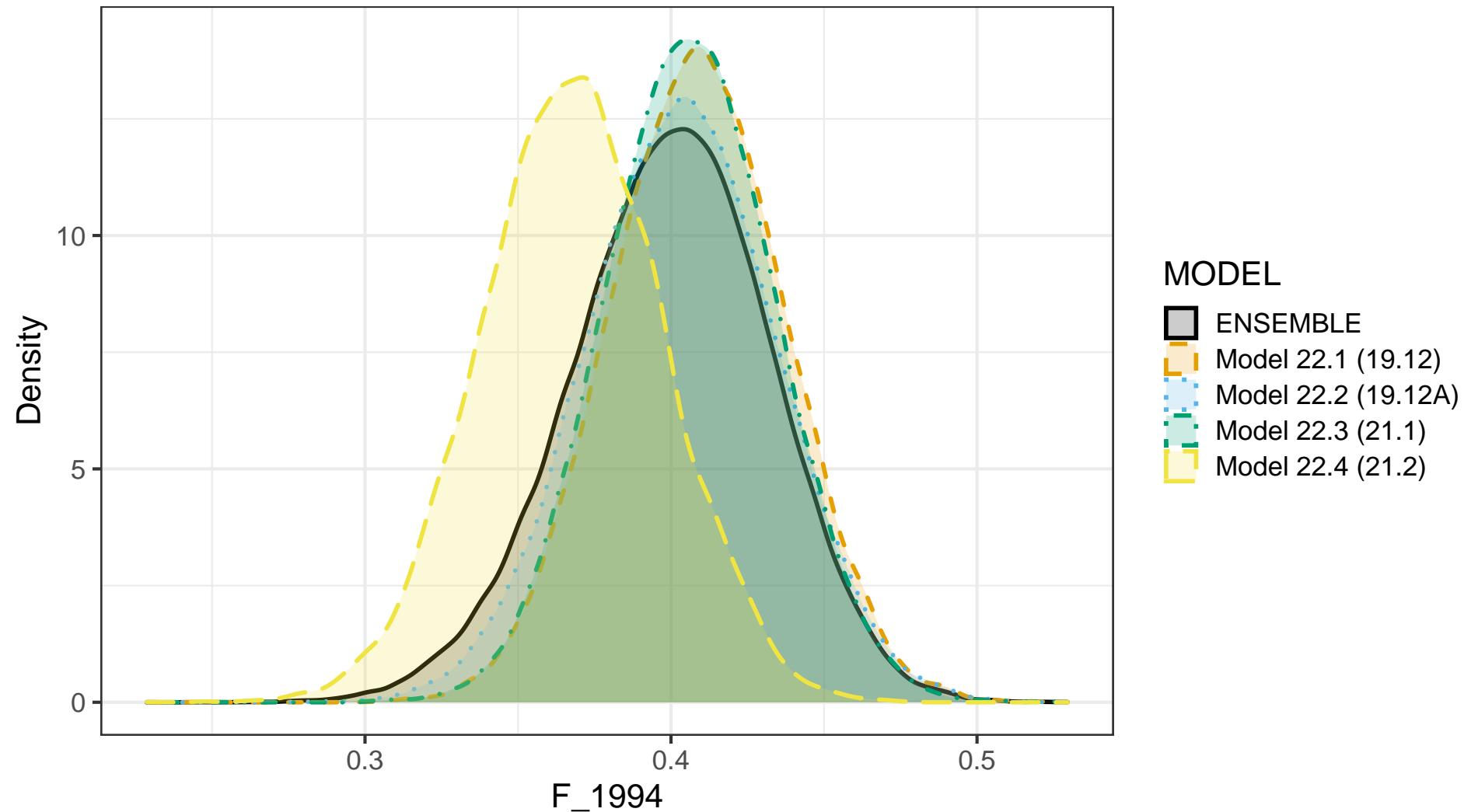
F_1992



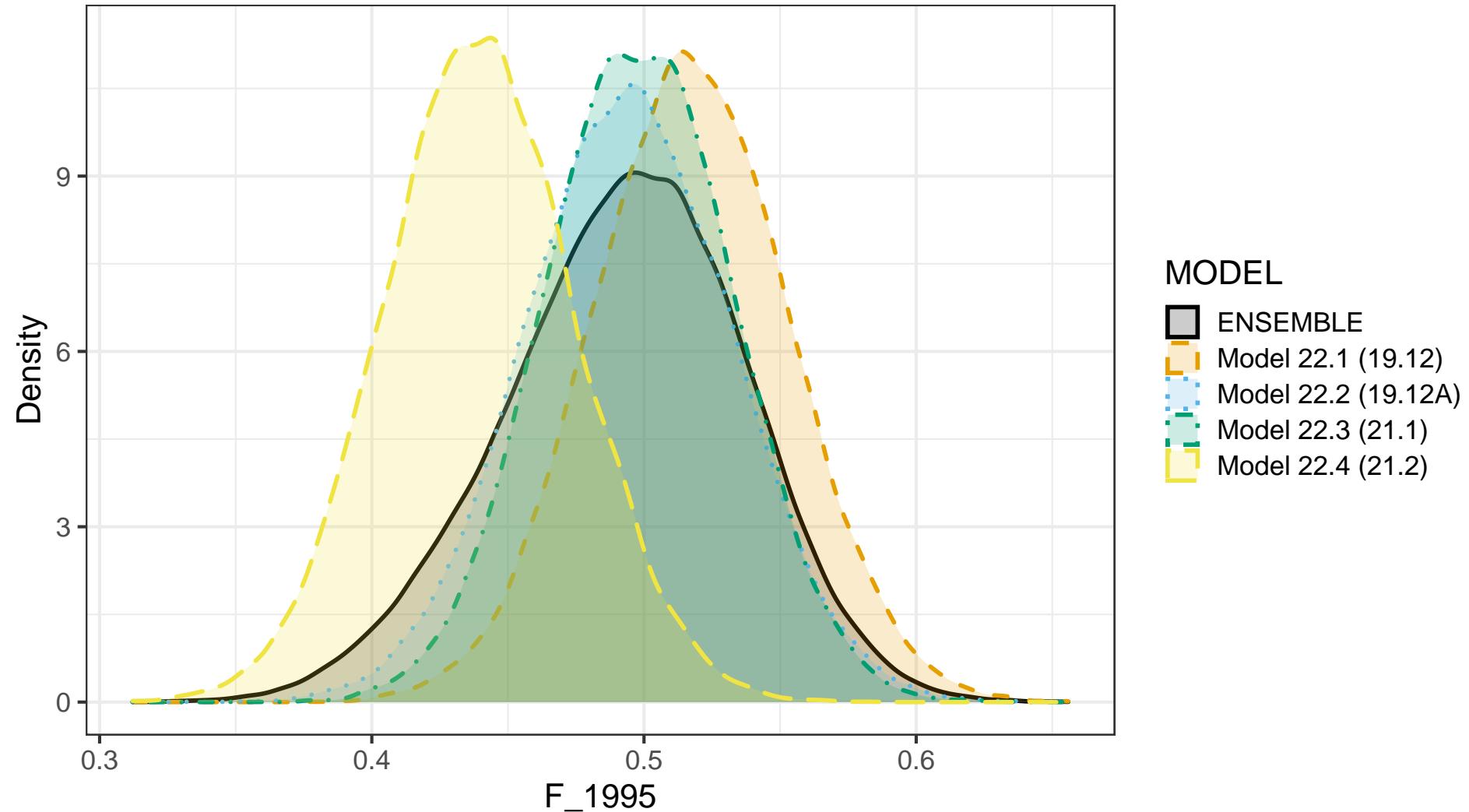
F_1993



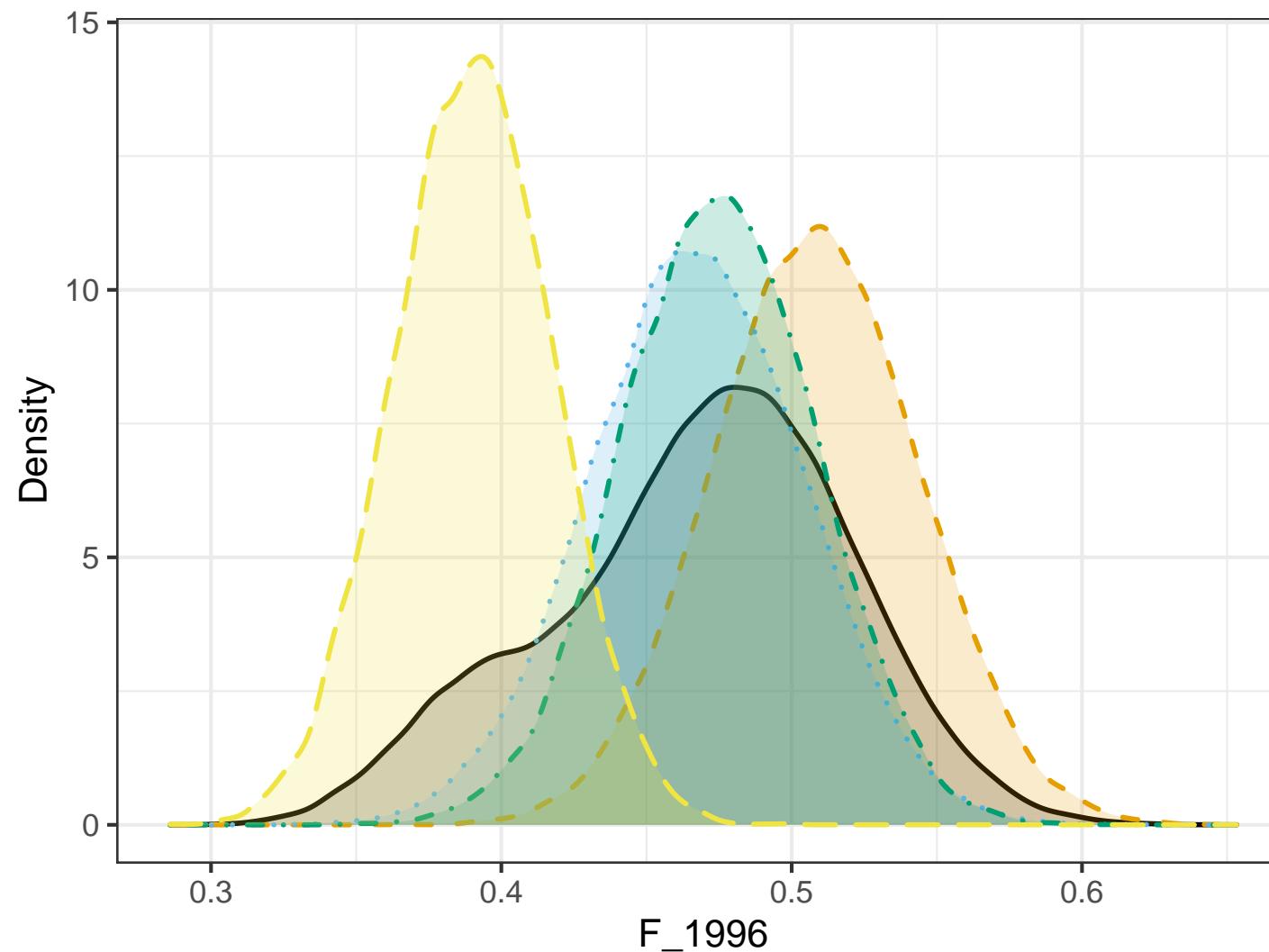
F_1994



F_1995



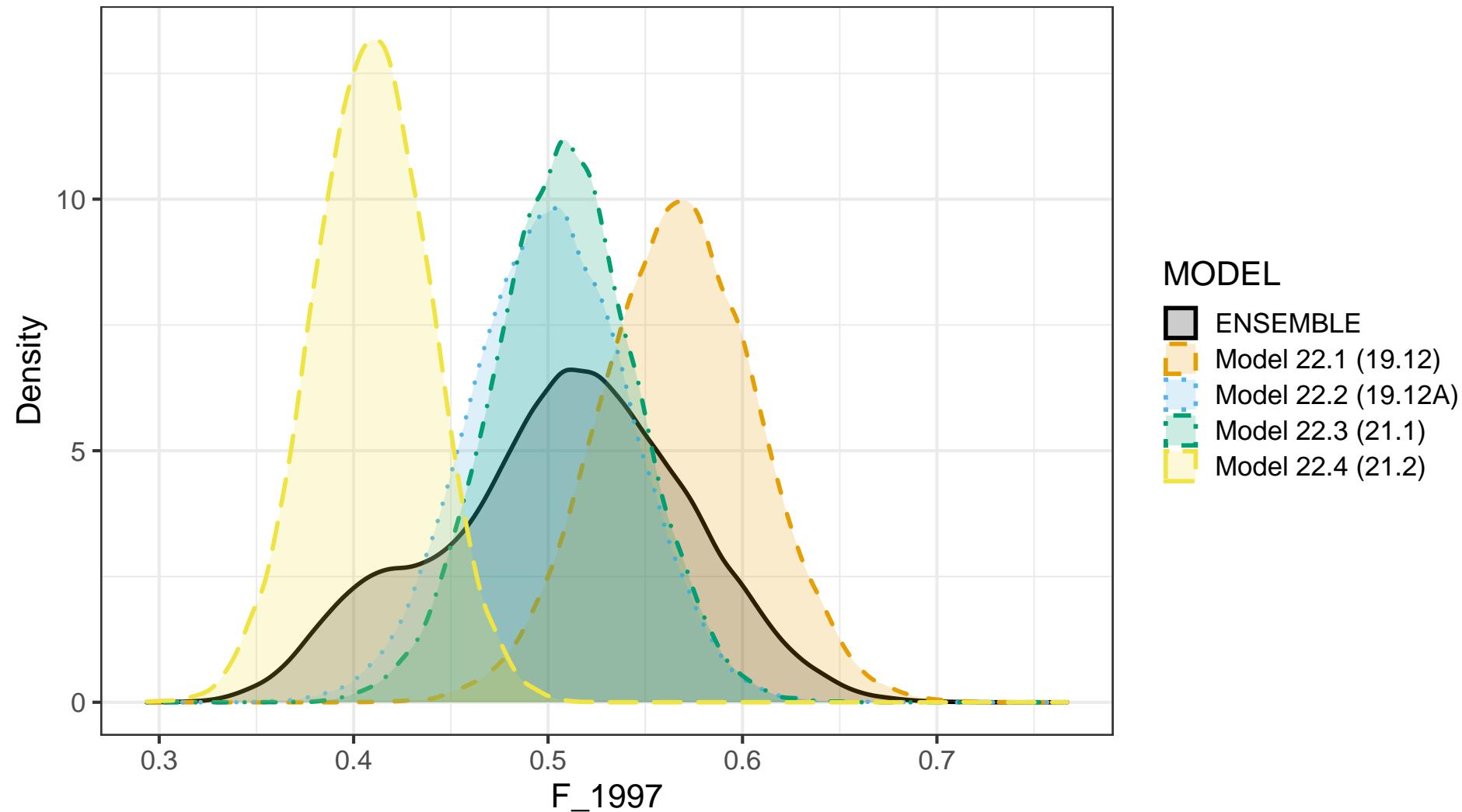
F_1996



MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

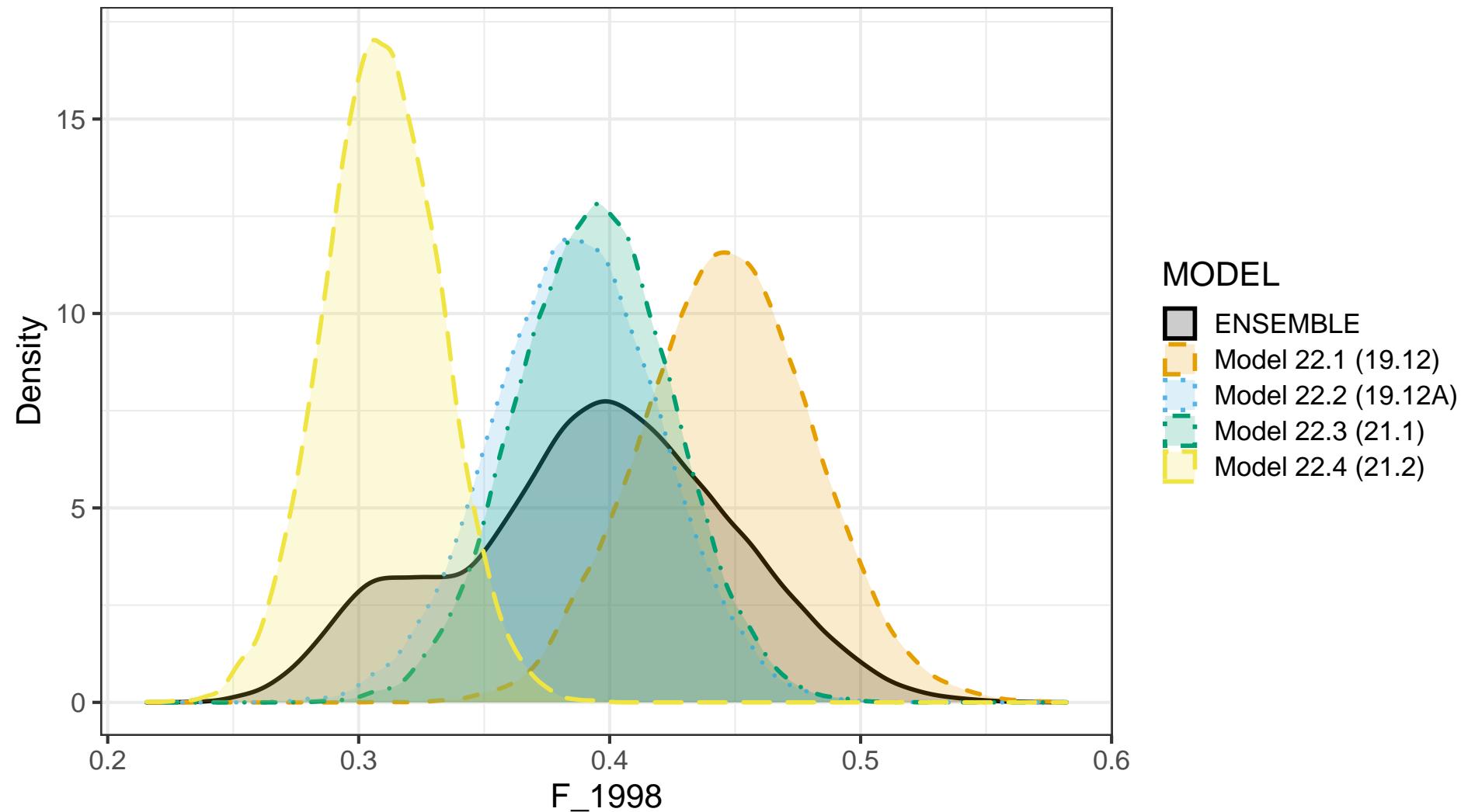
F_1997



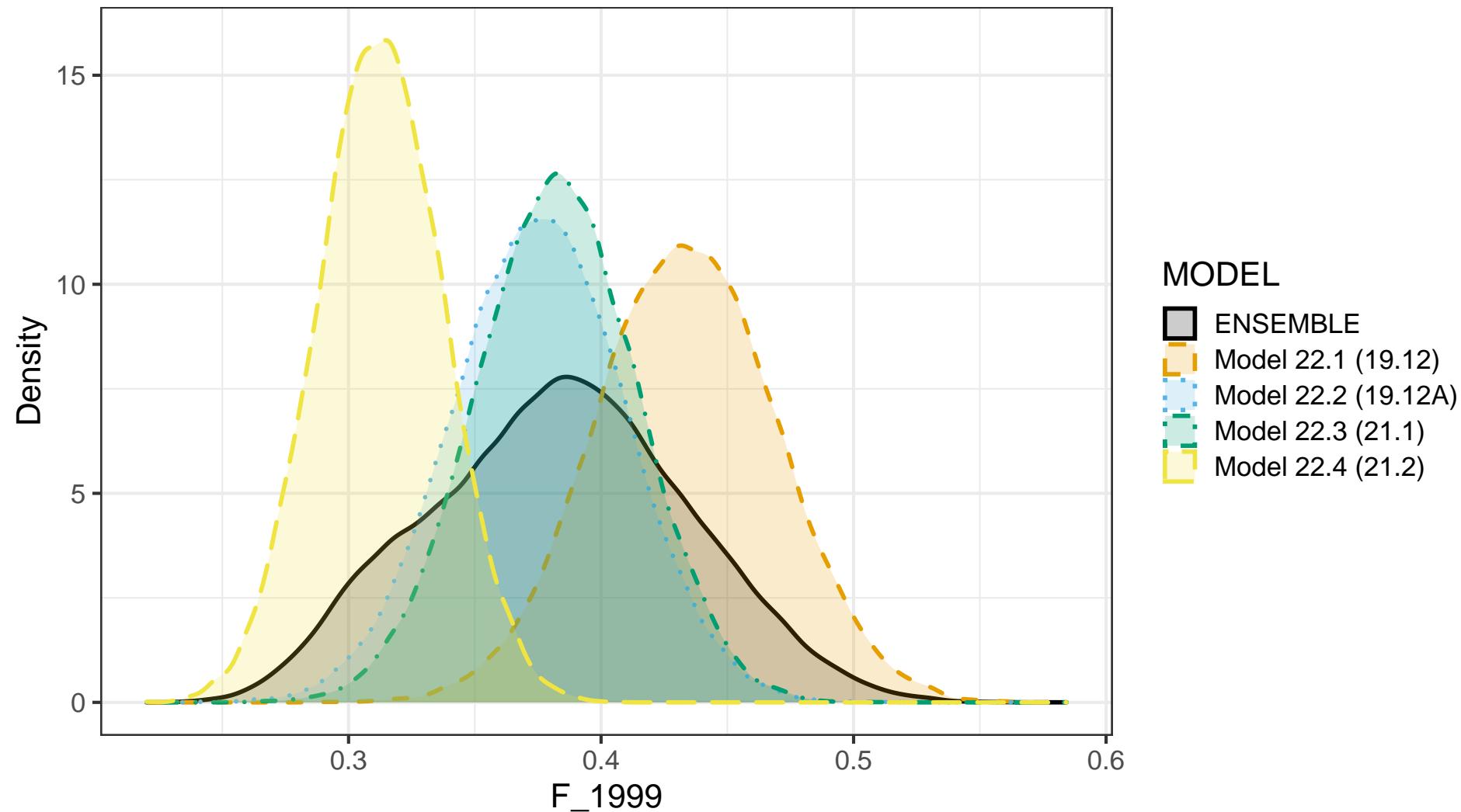
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

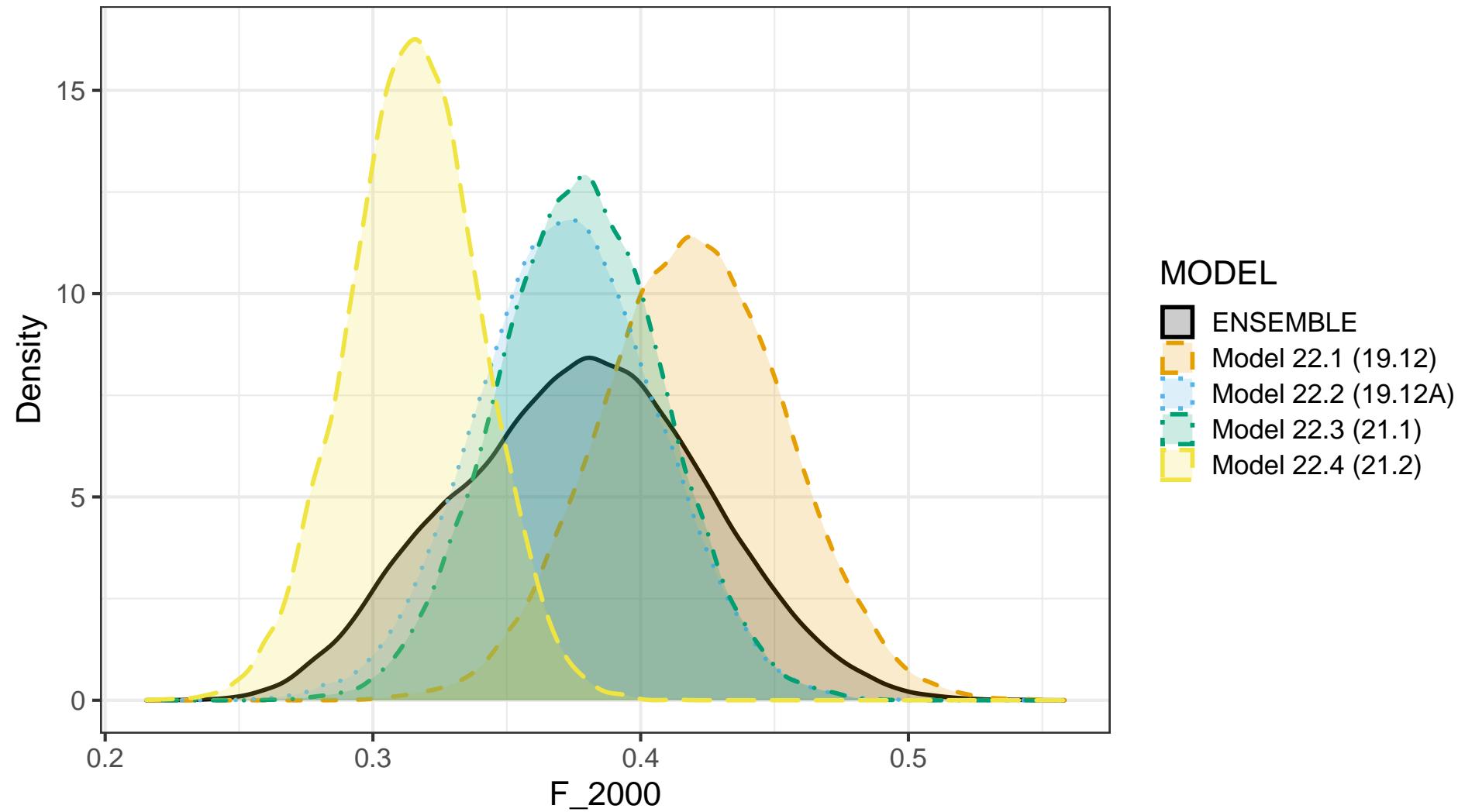
F_1998



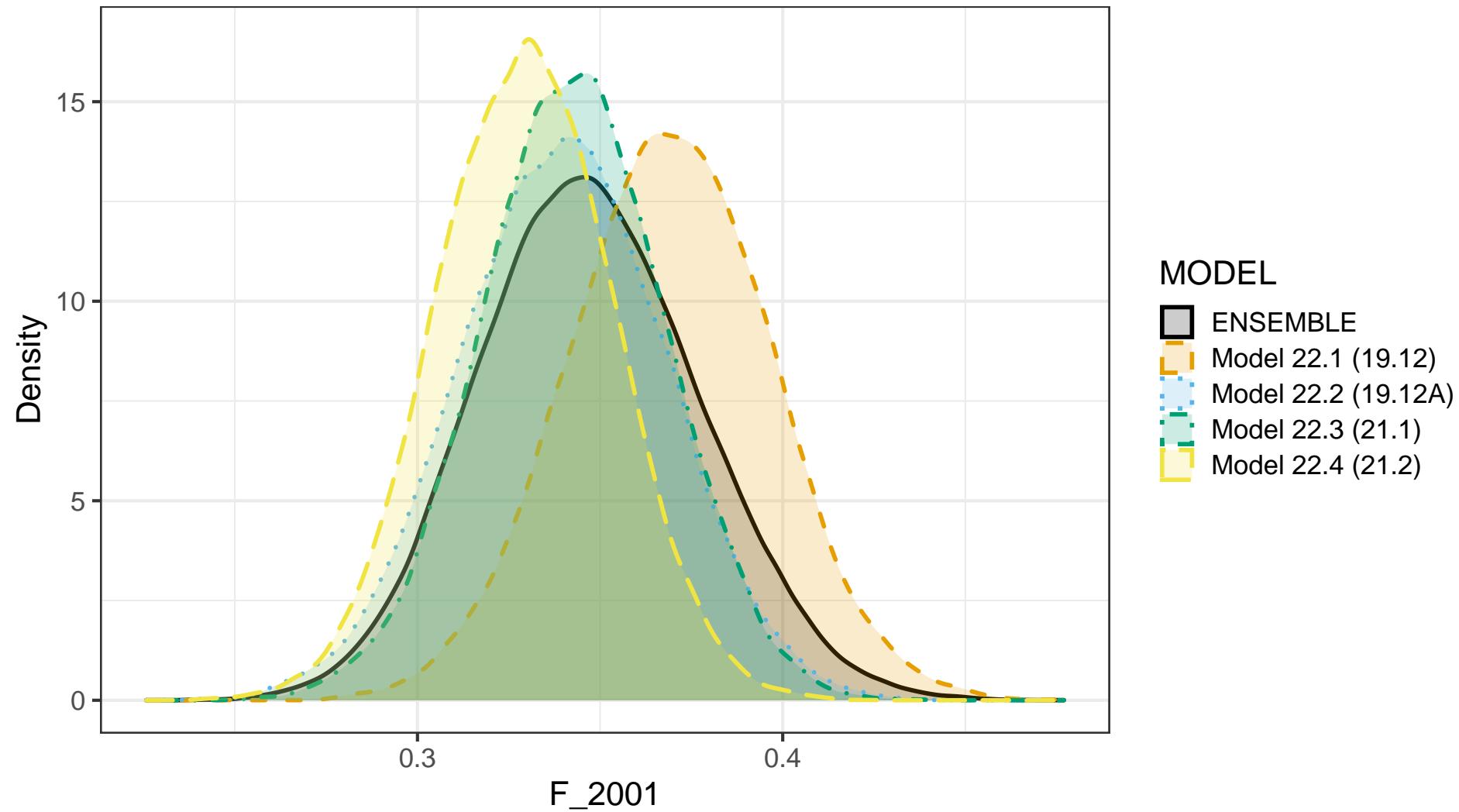
F_1999



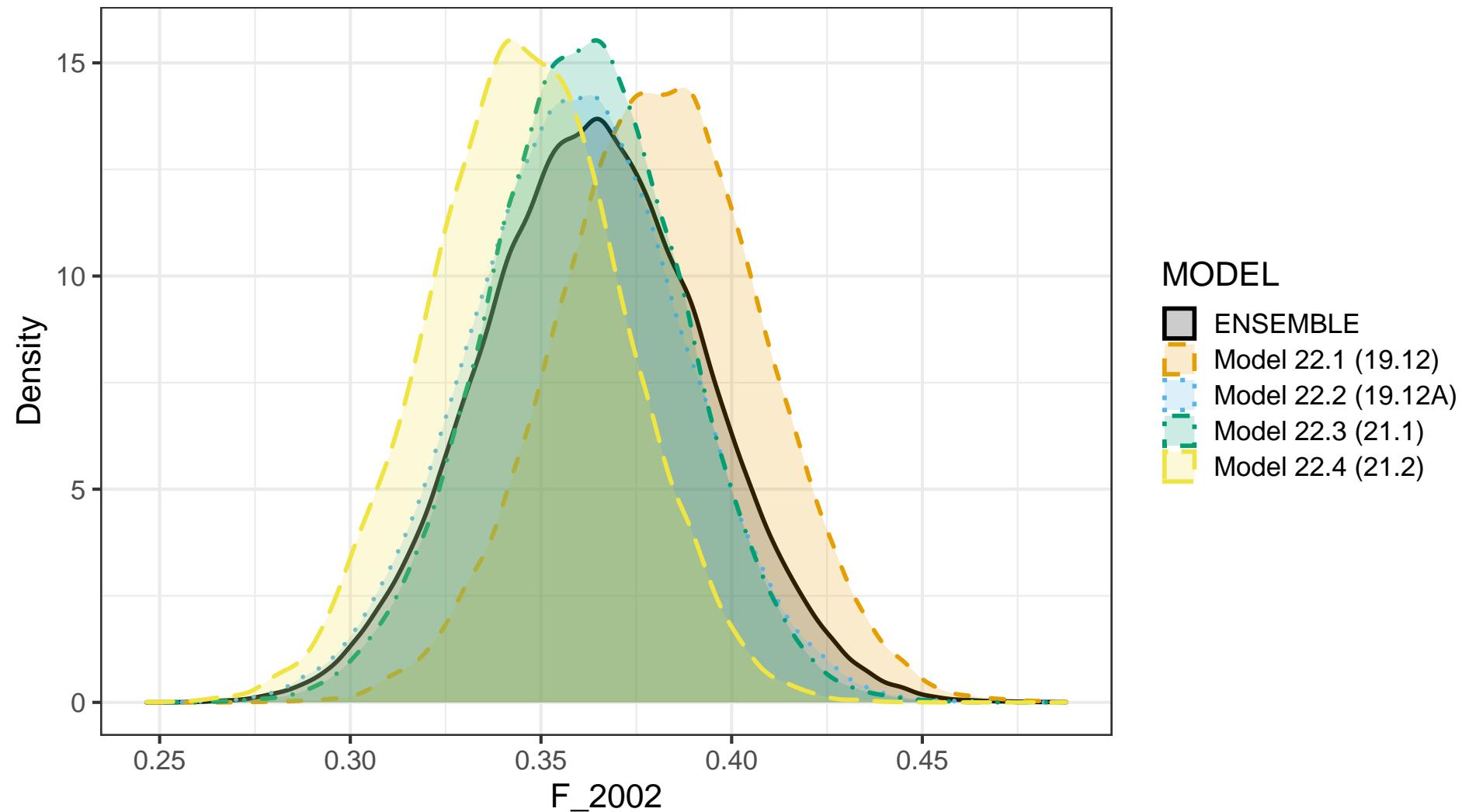
F_2000



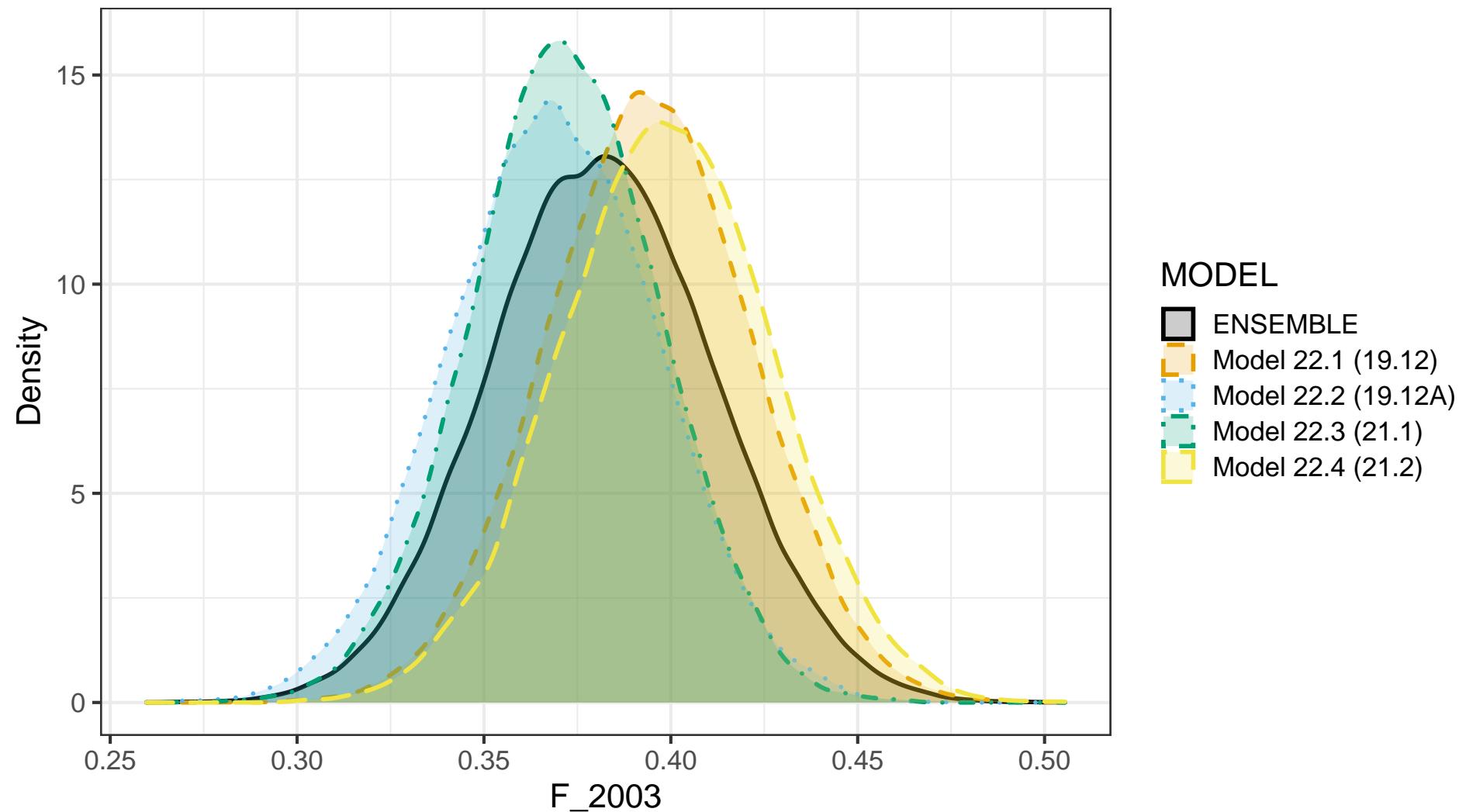
F_2001



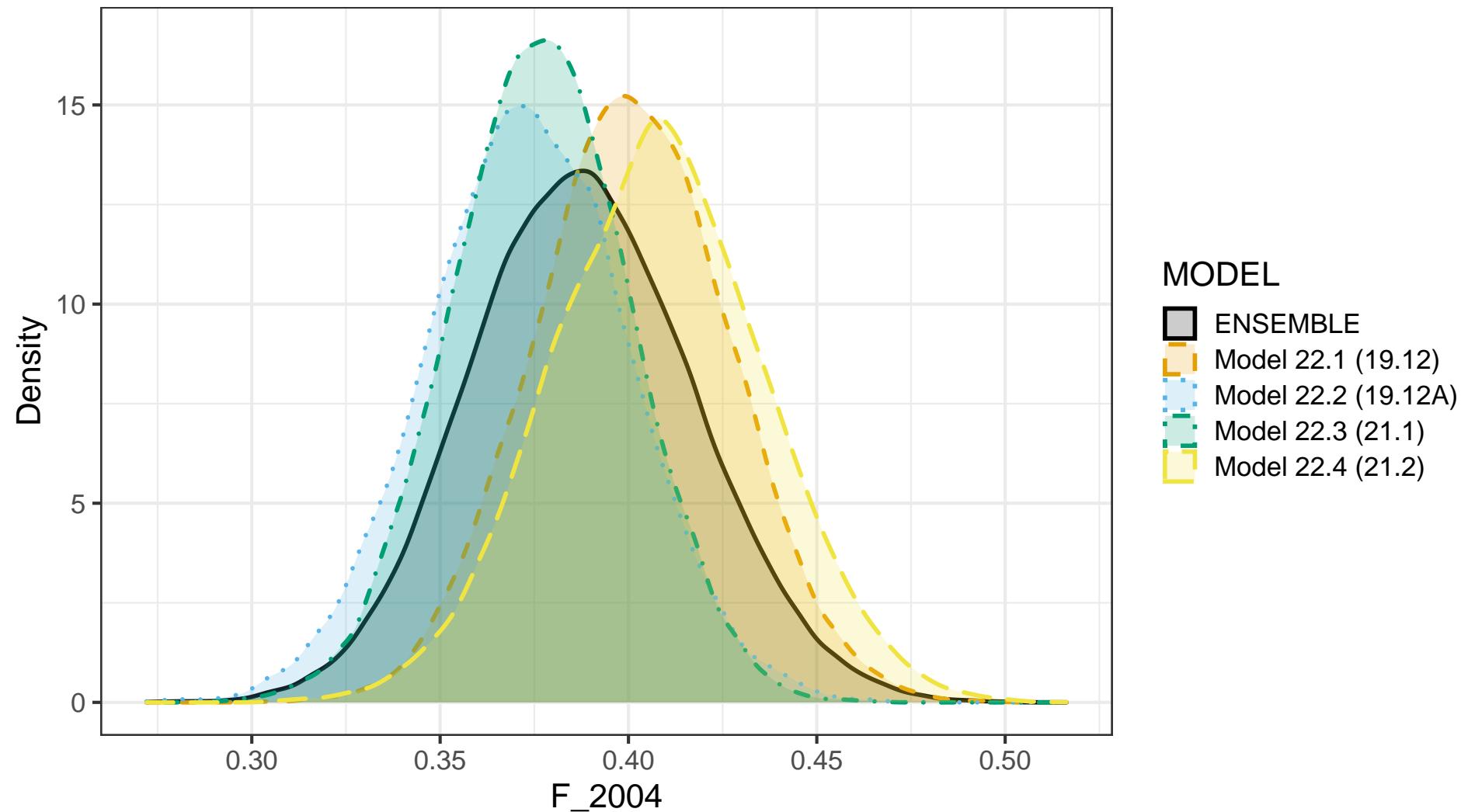
F_2002



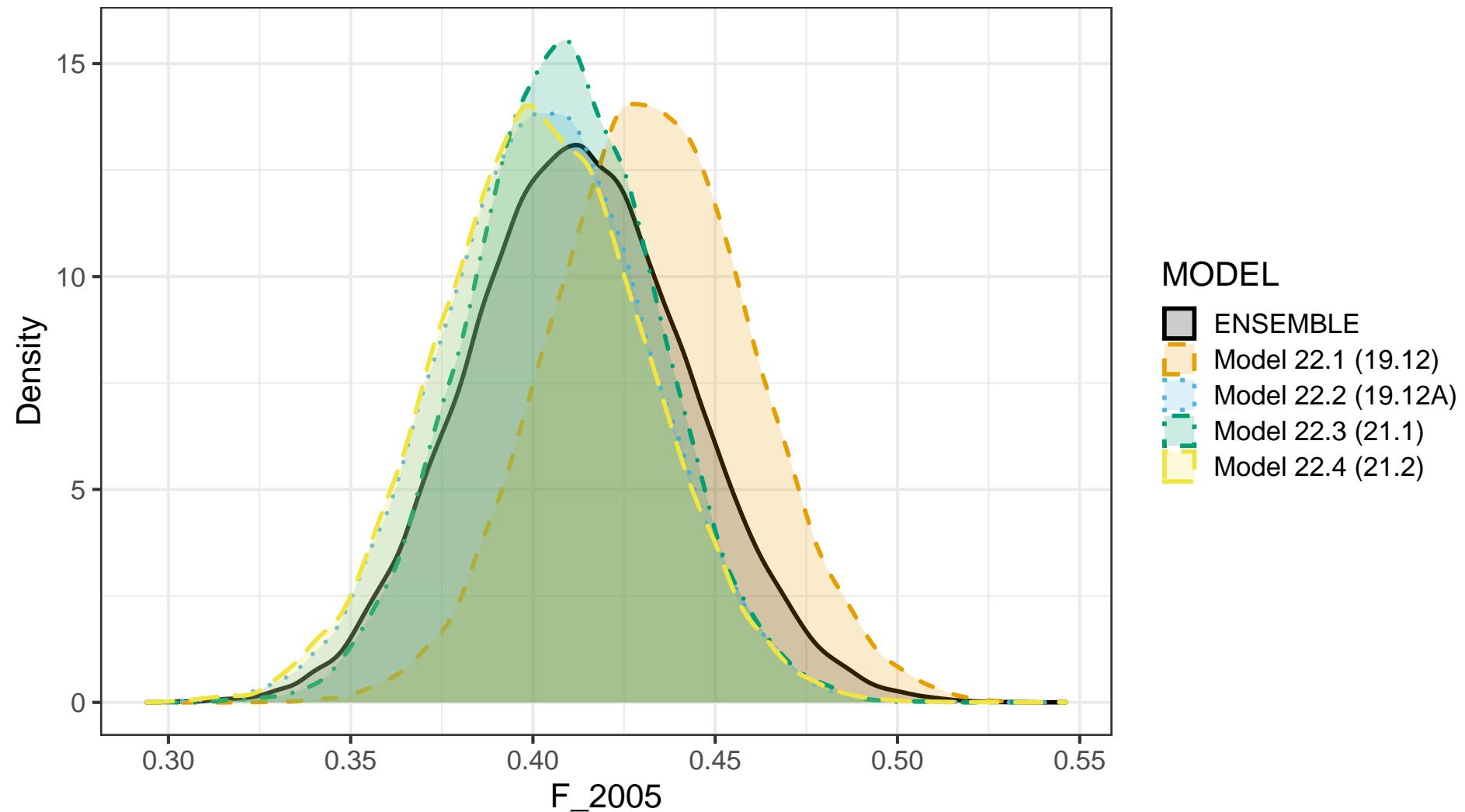
F_2003



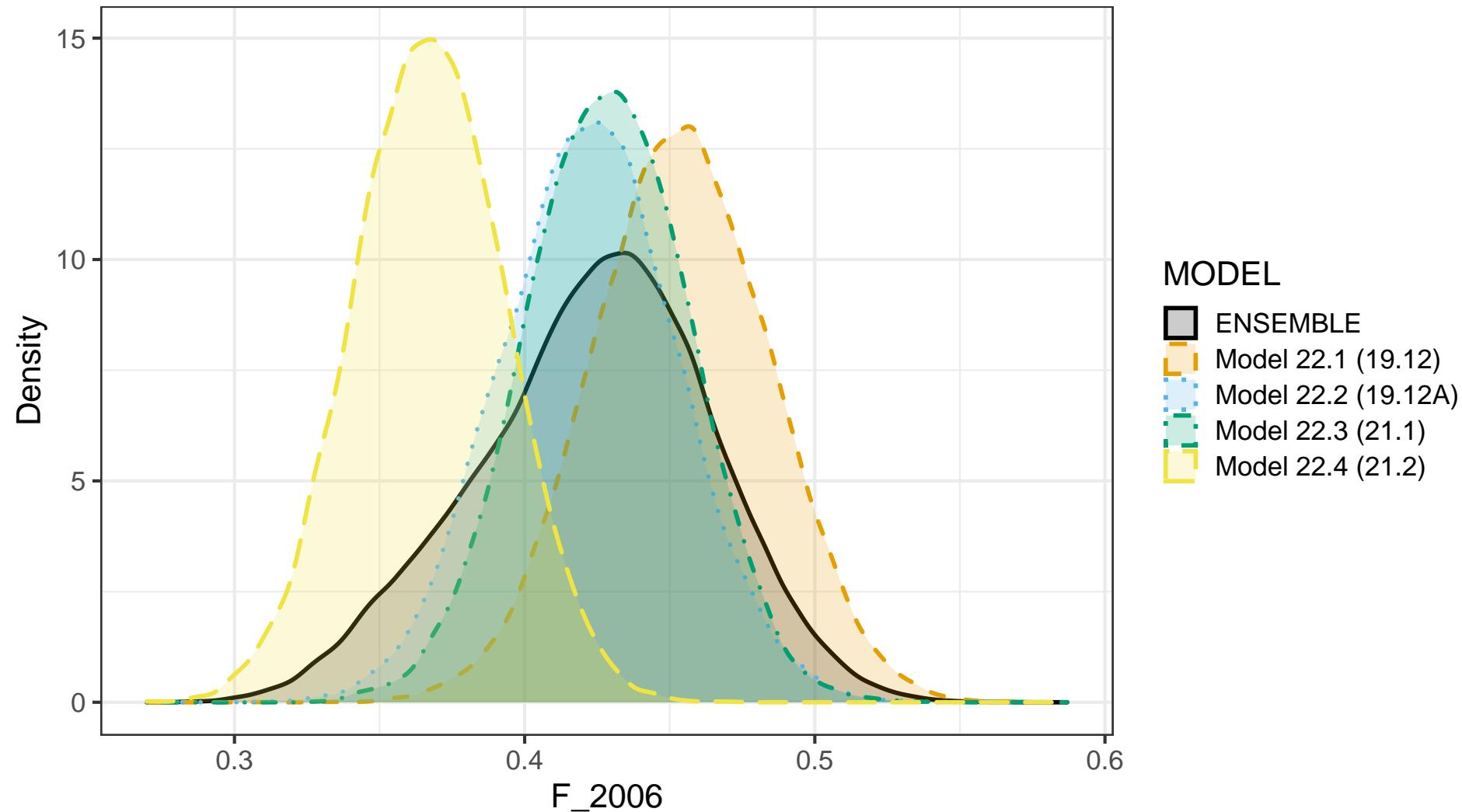
F_2004



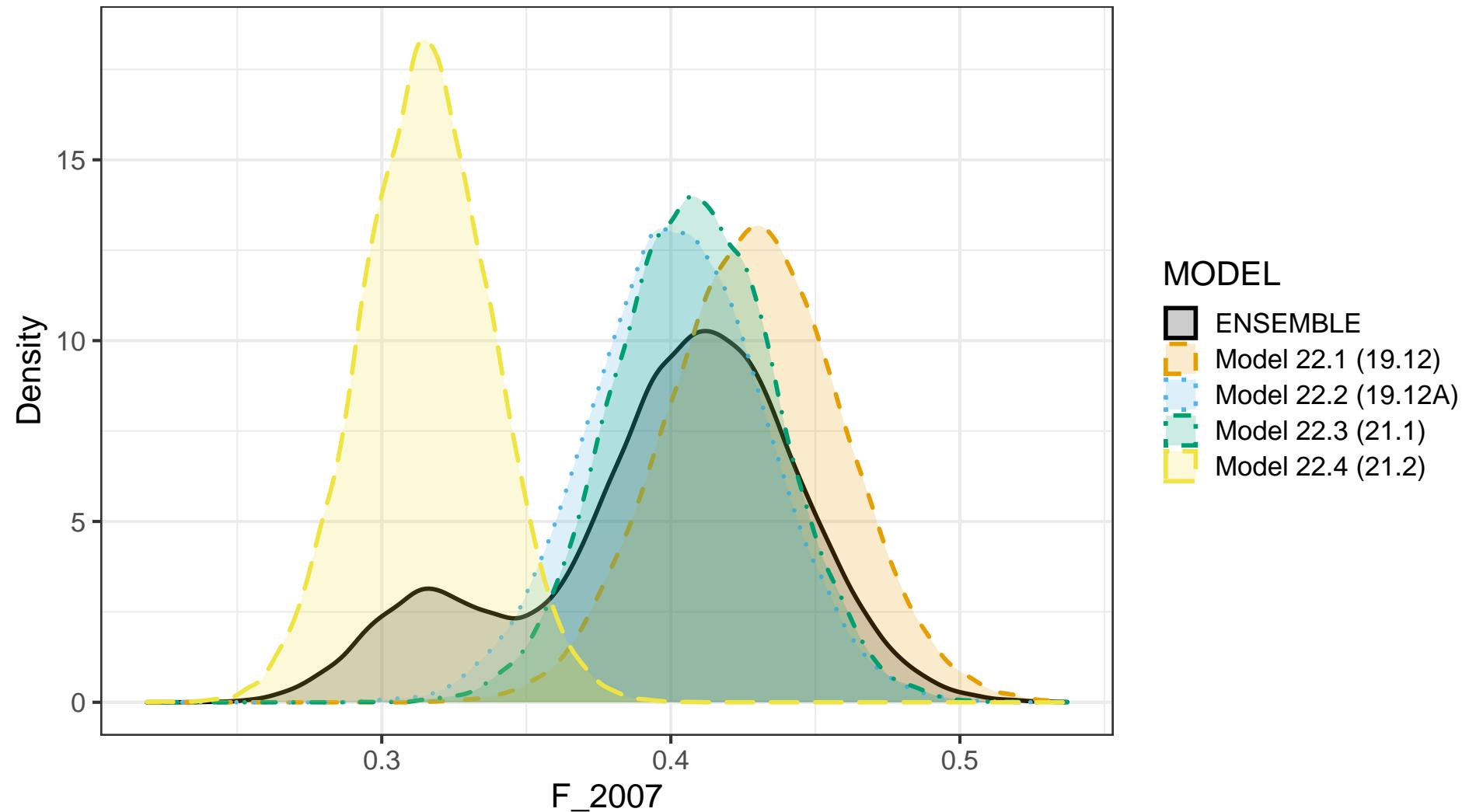
F_2005



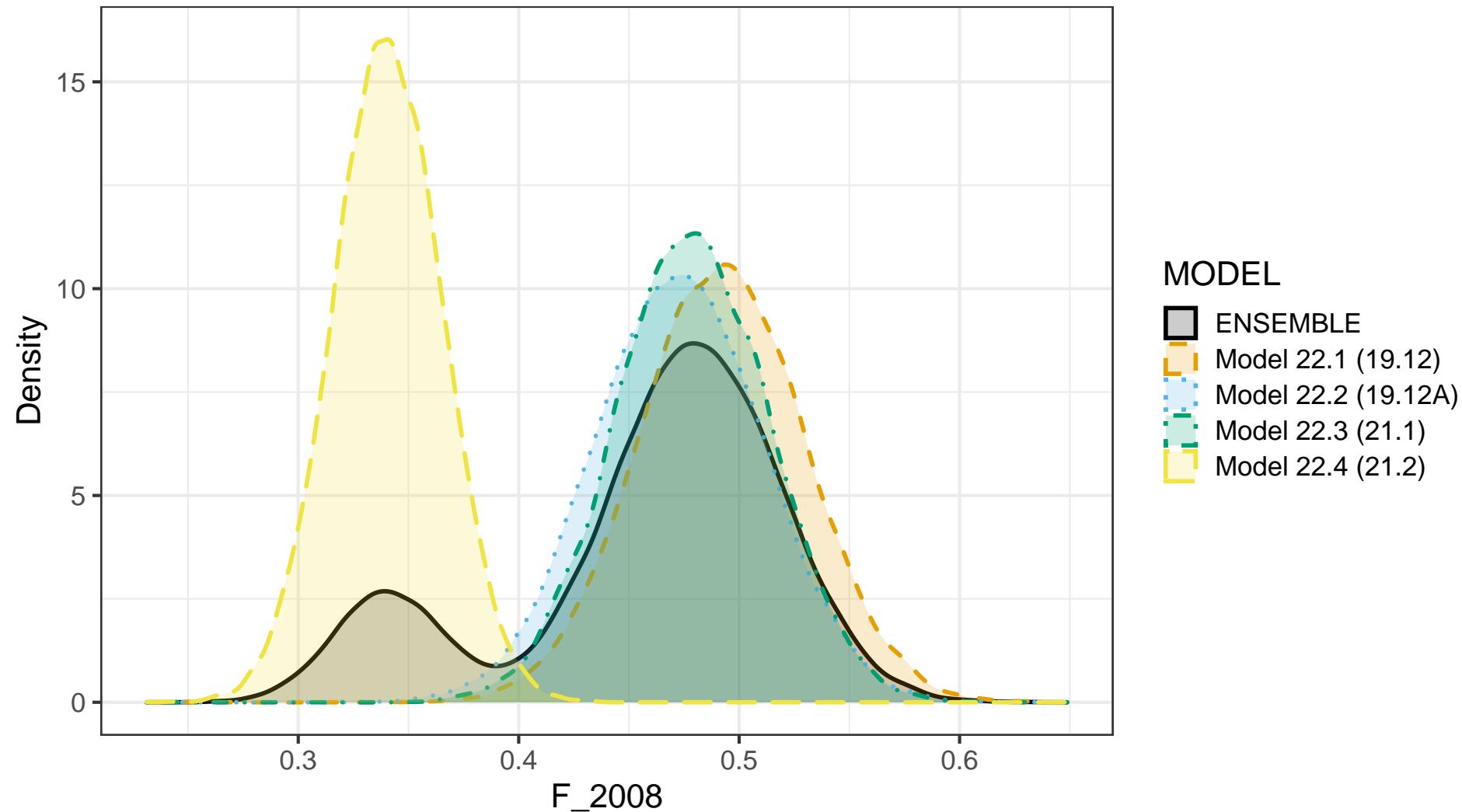
F_2006



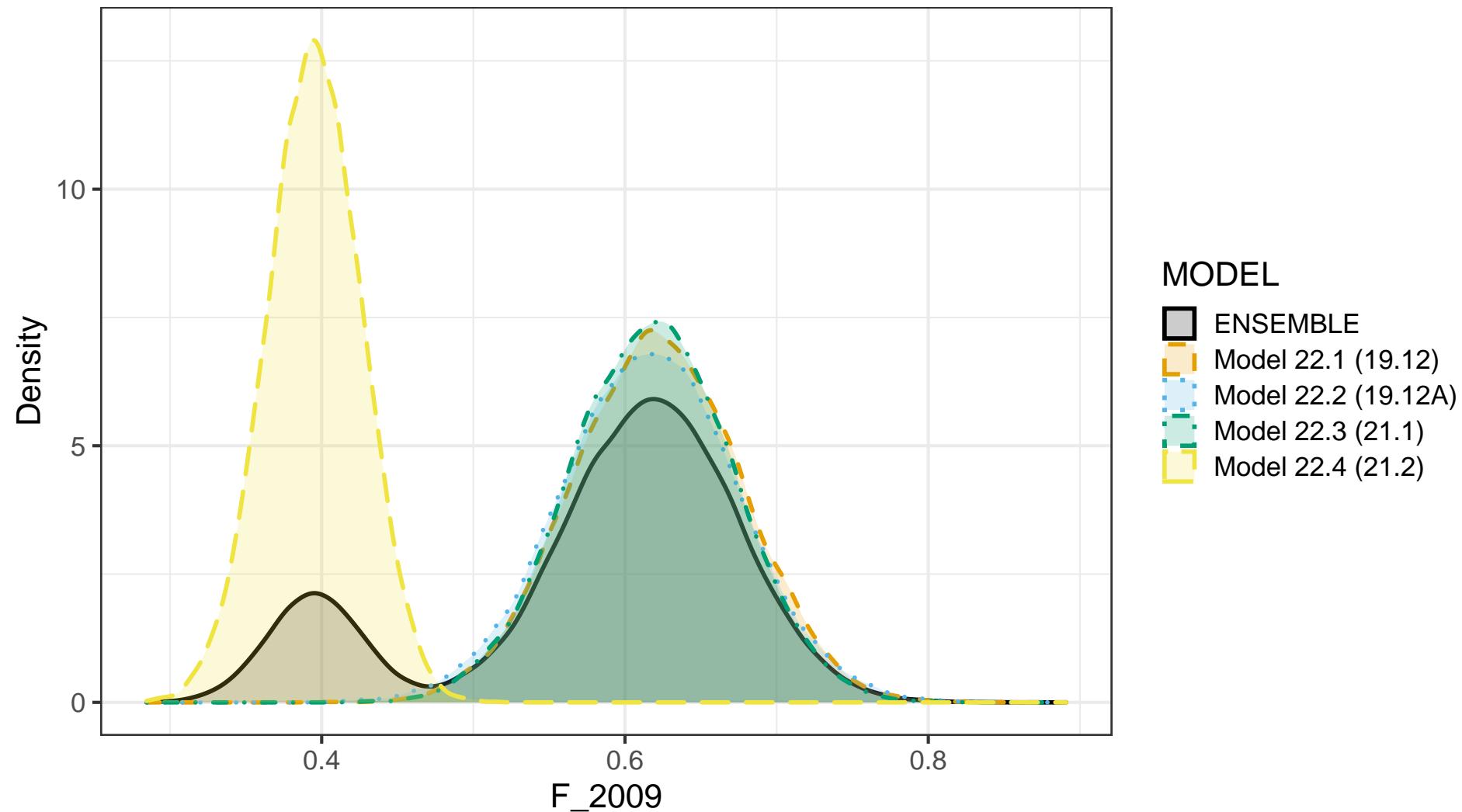
F_2007



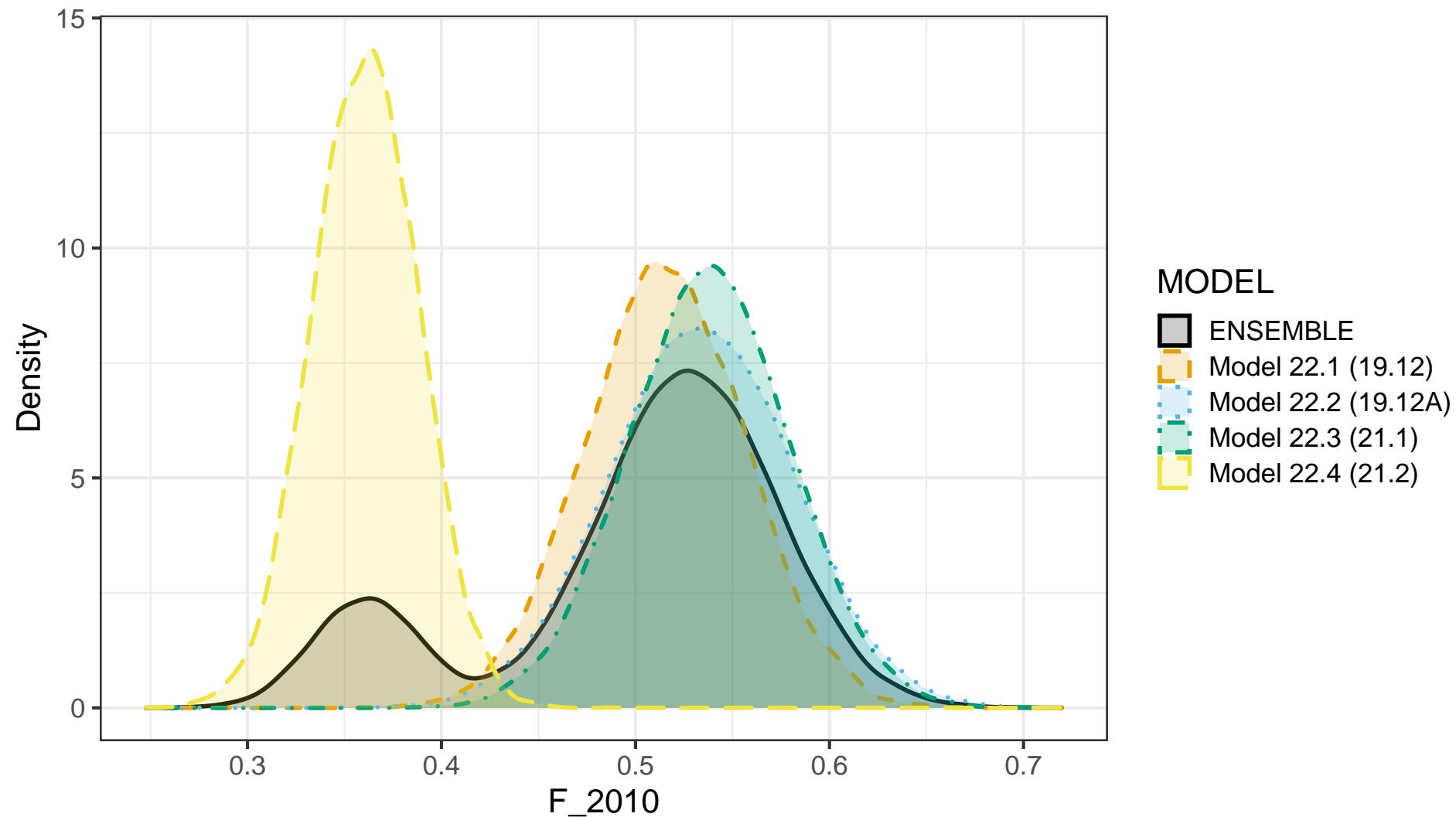
F_2008



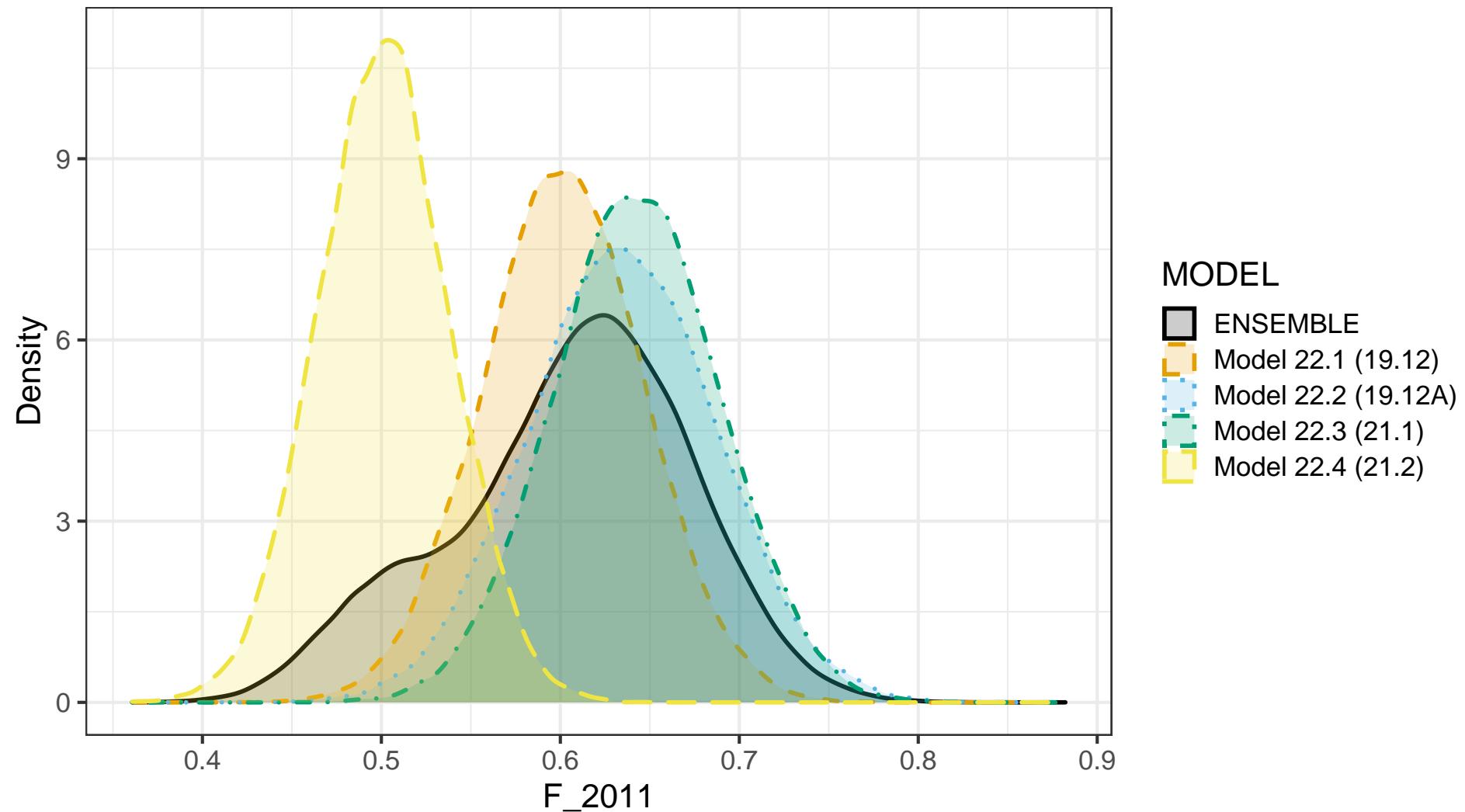
F_2009



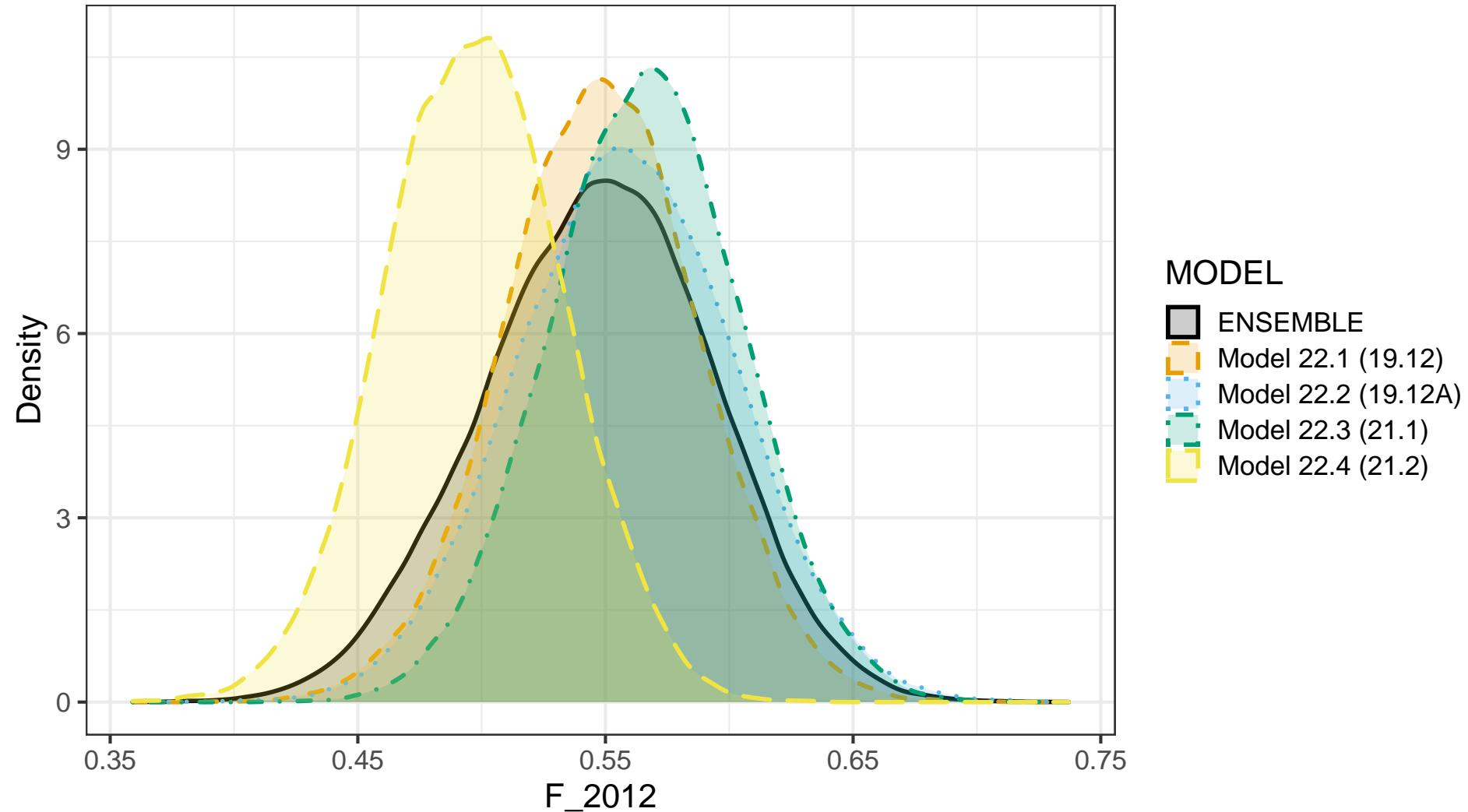
F_2010



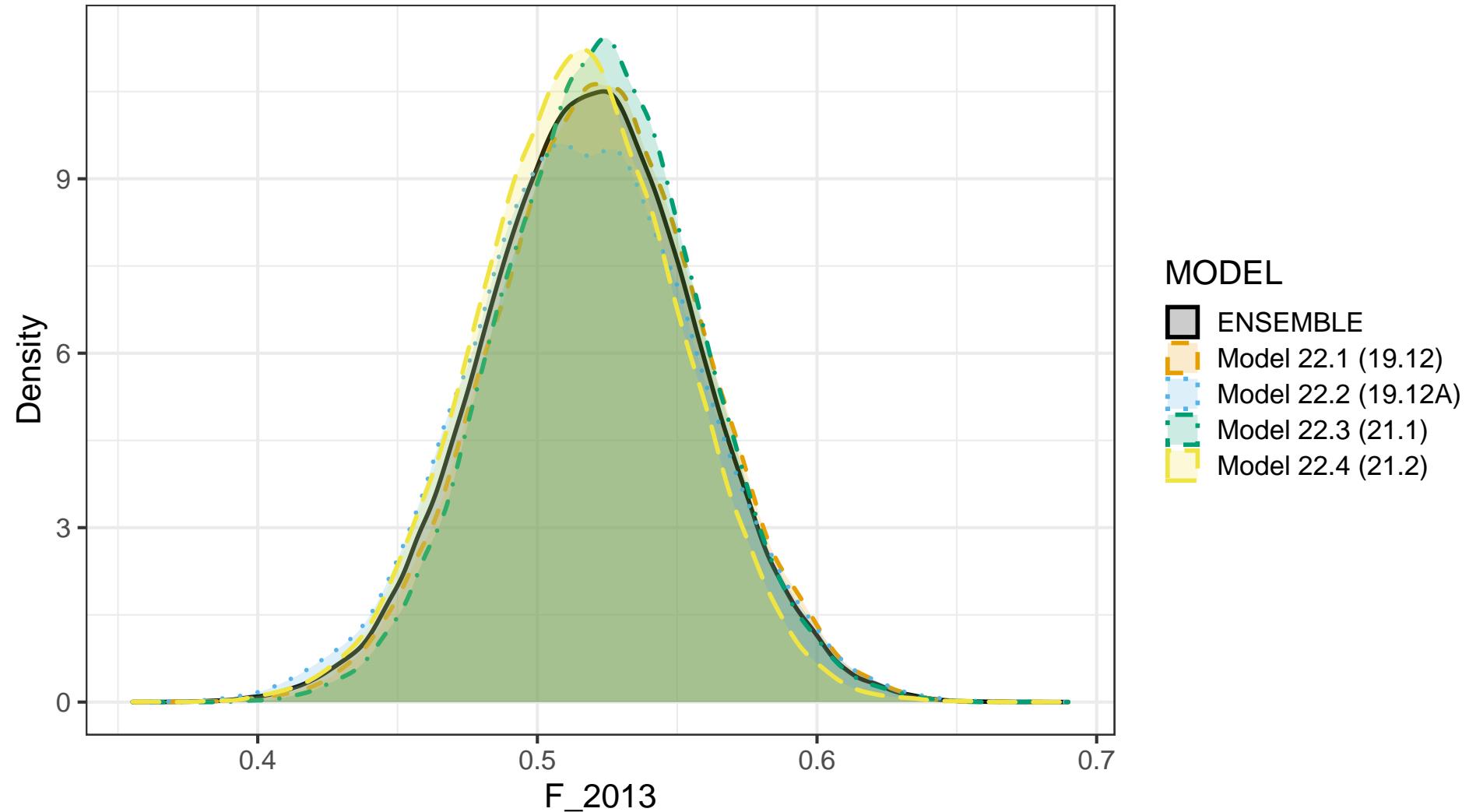
F_2011



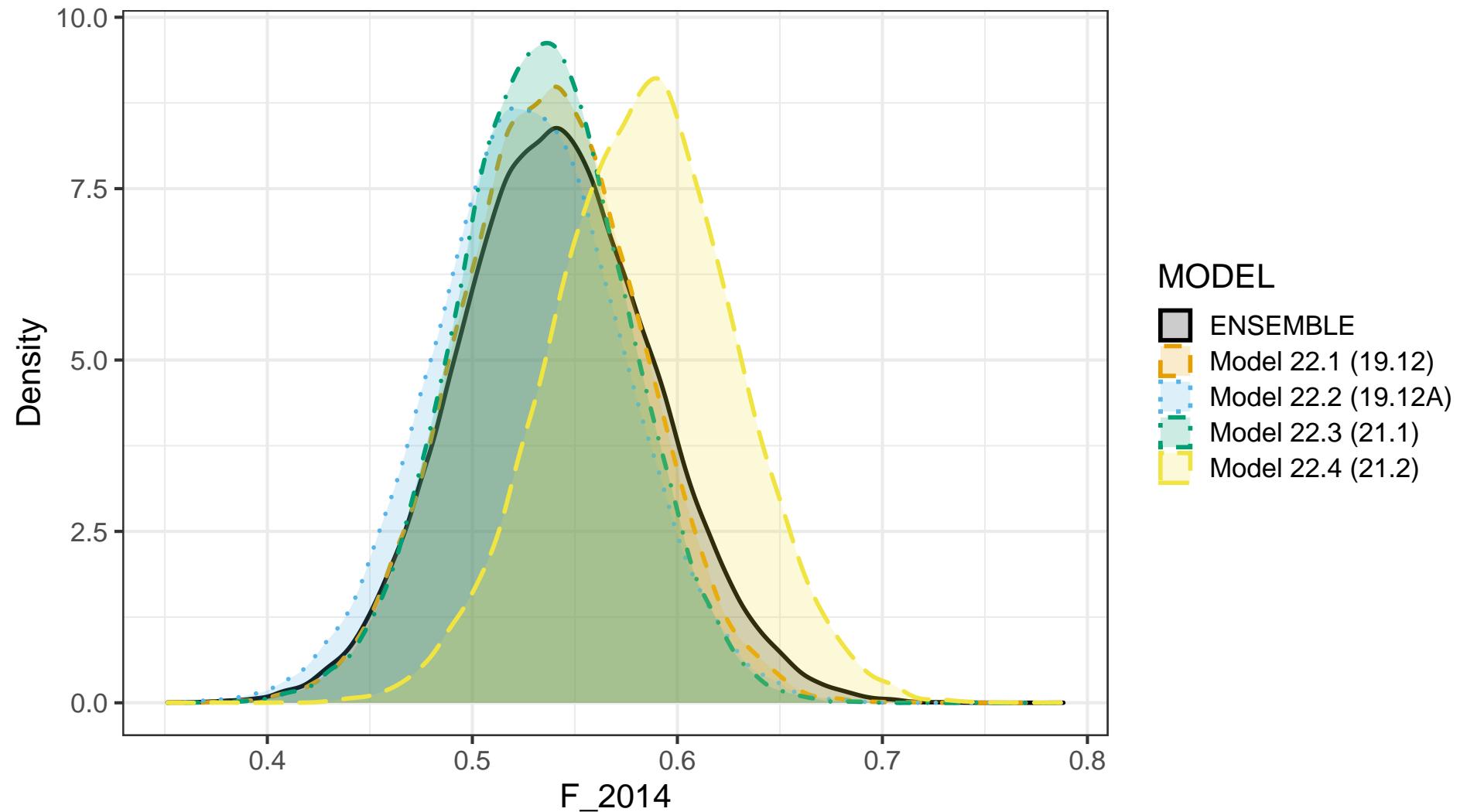
F_2012



F_2013



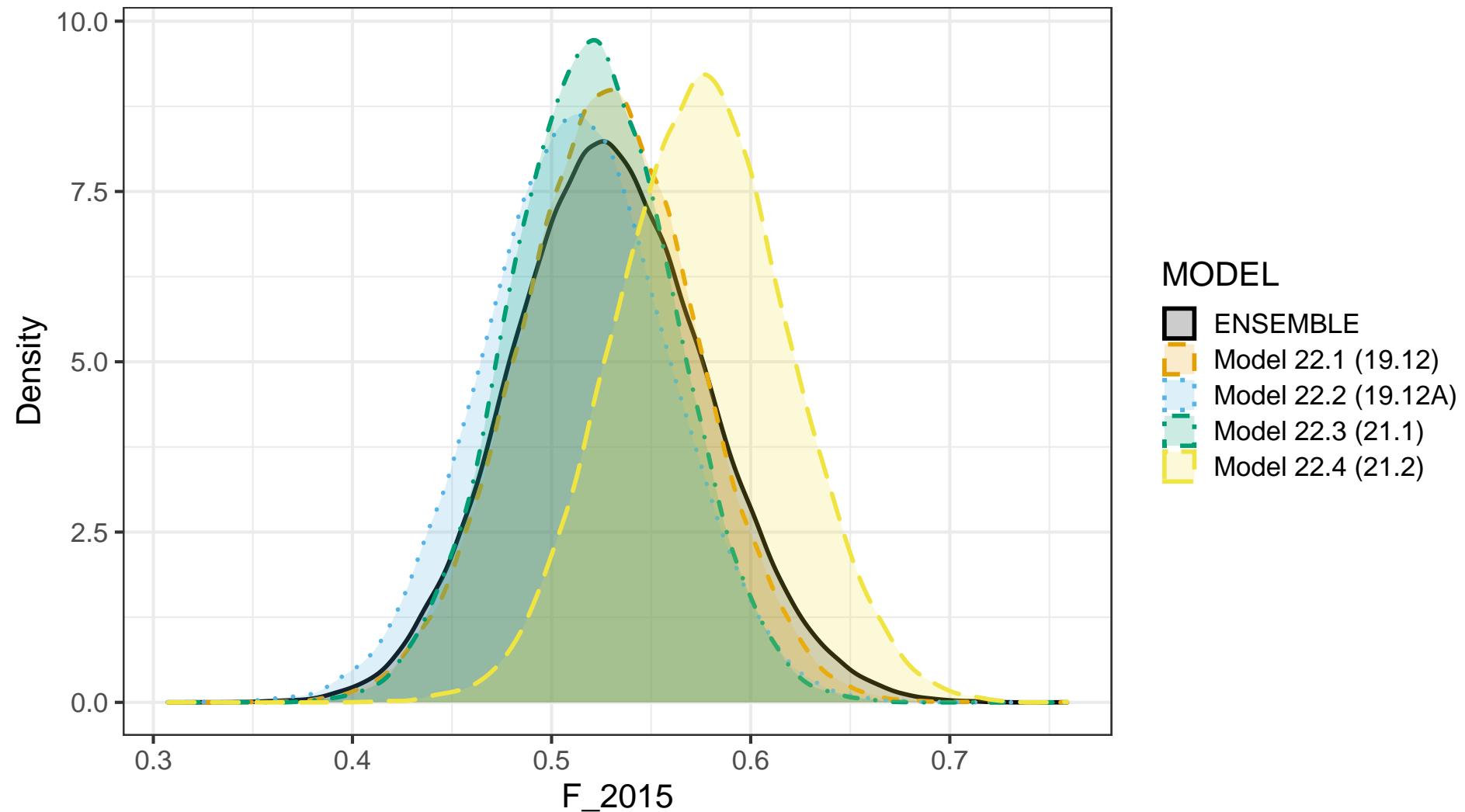
F_2014



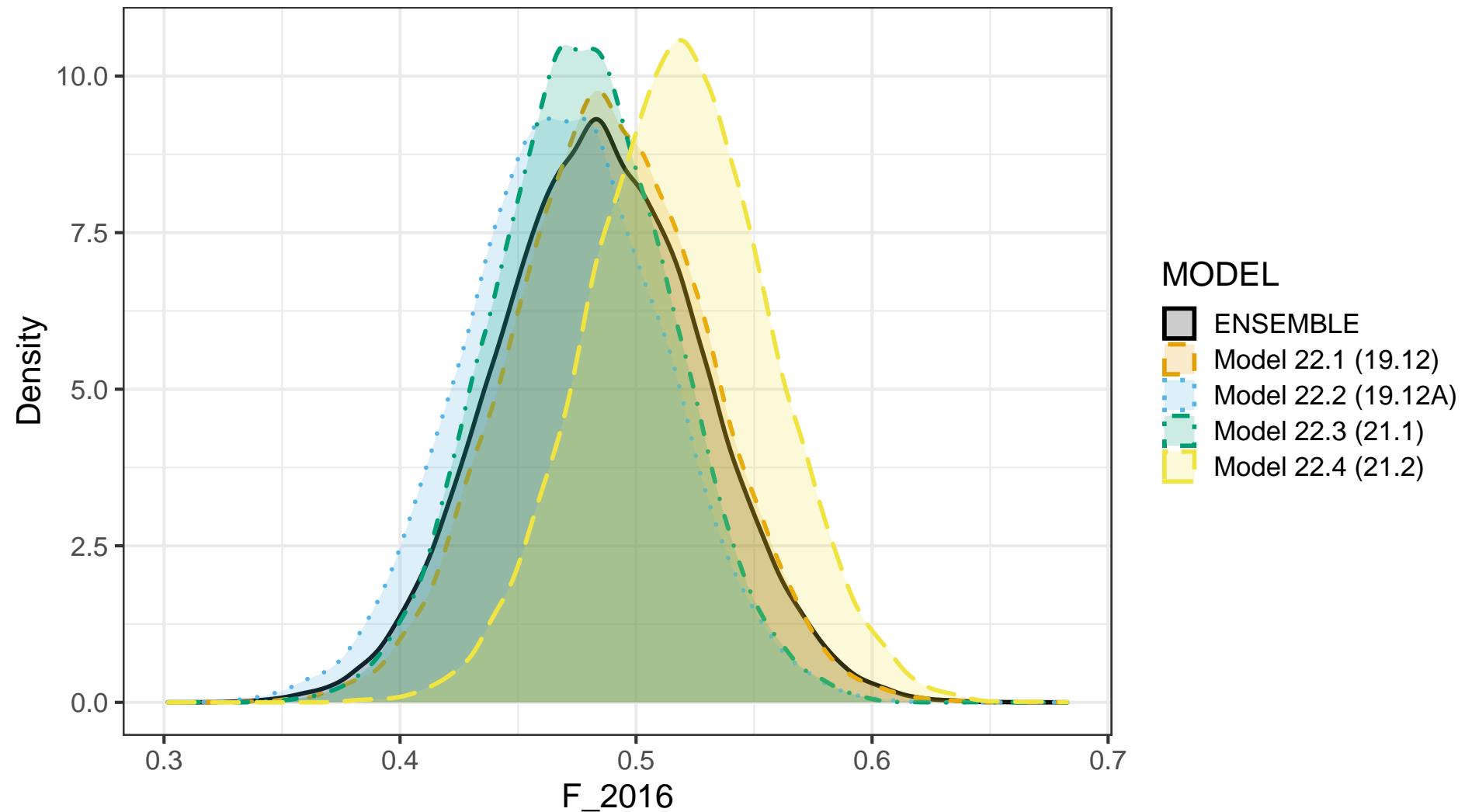
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

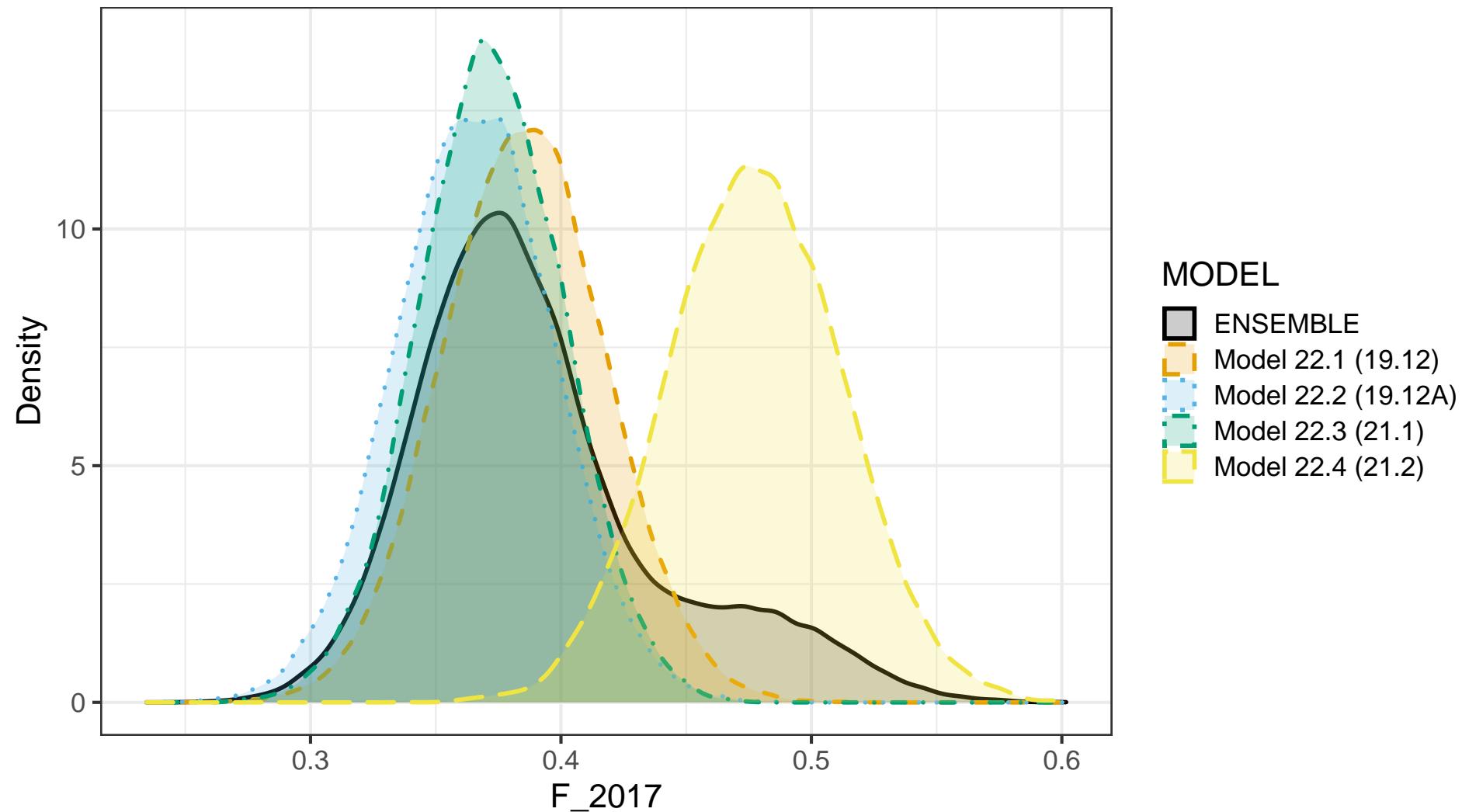
F_2015



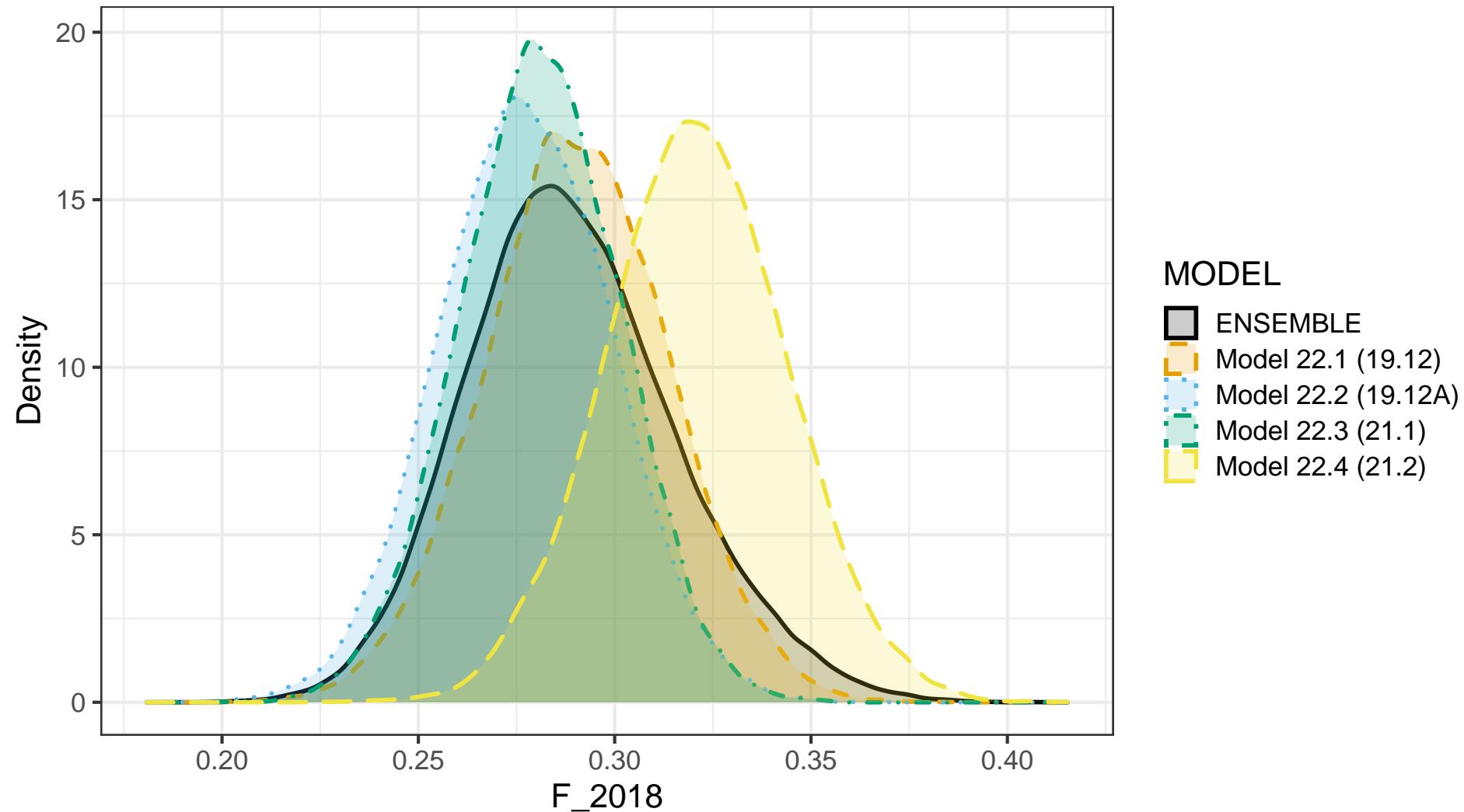
F_2016

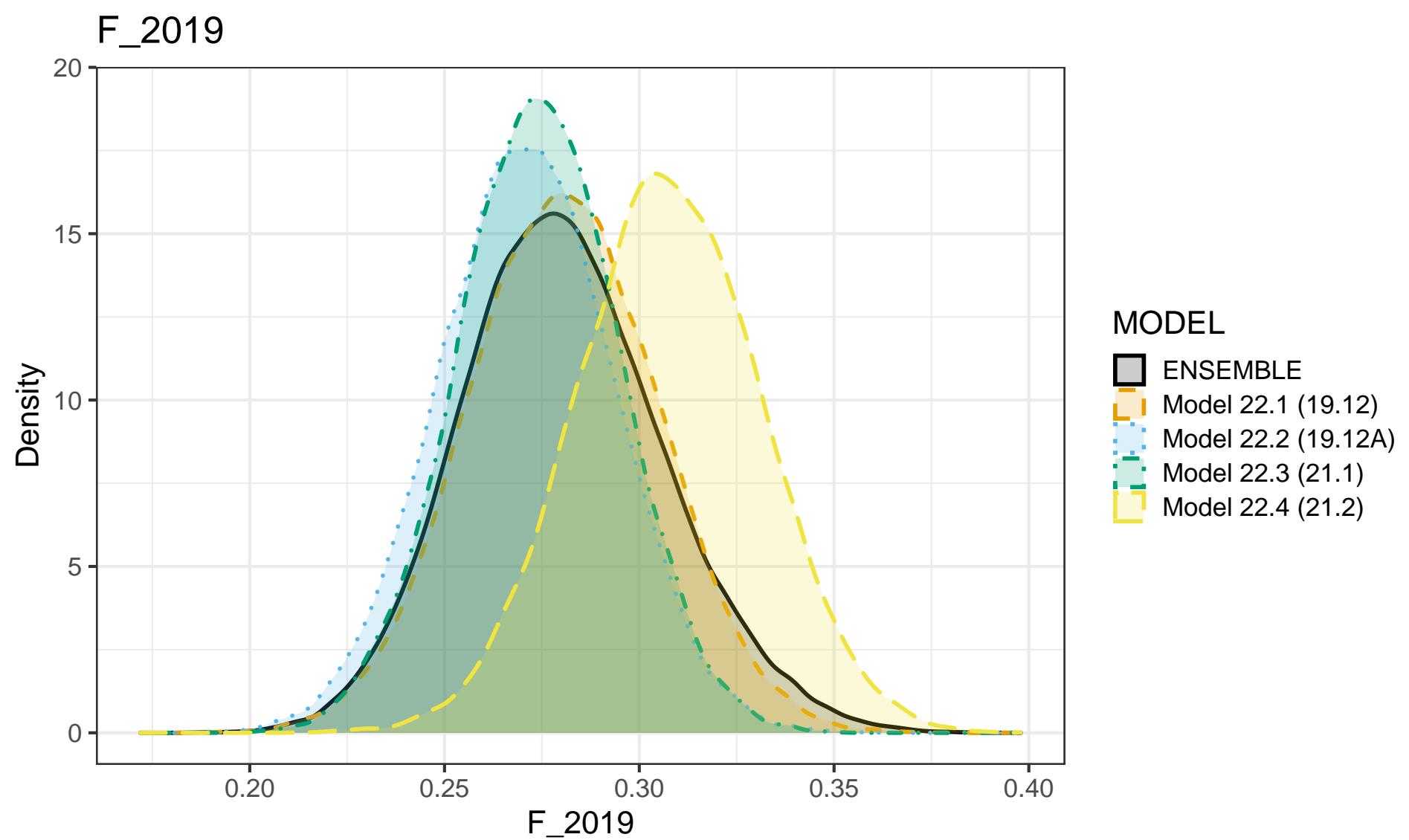


F_2017

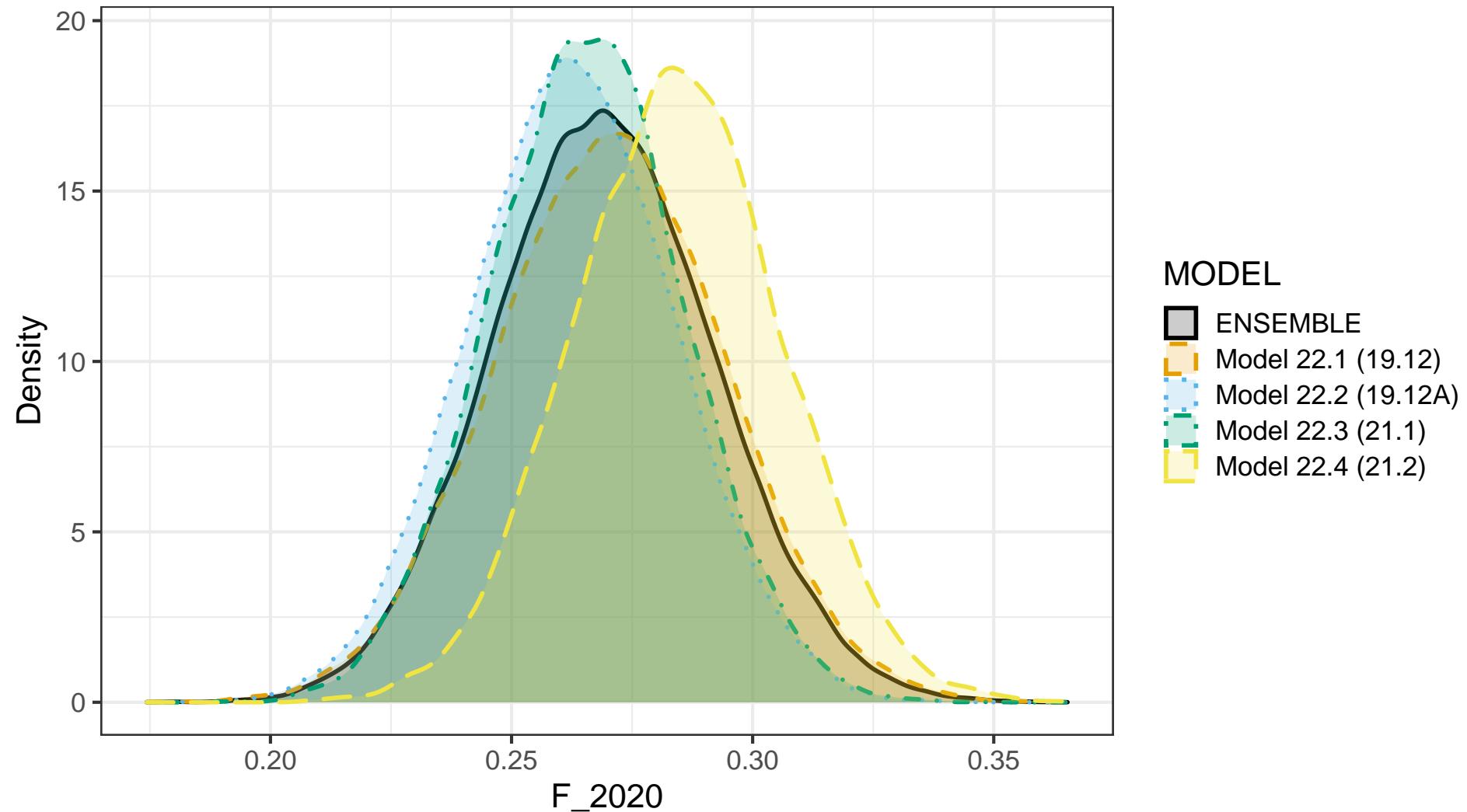


F_2018

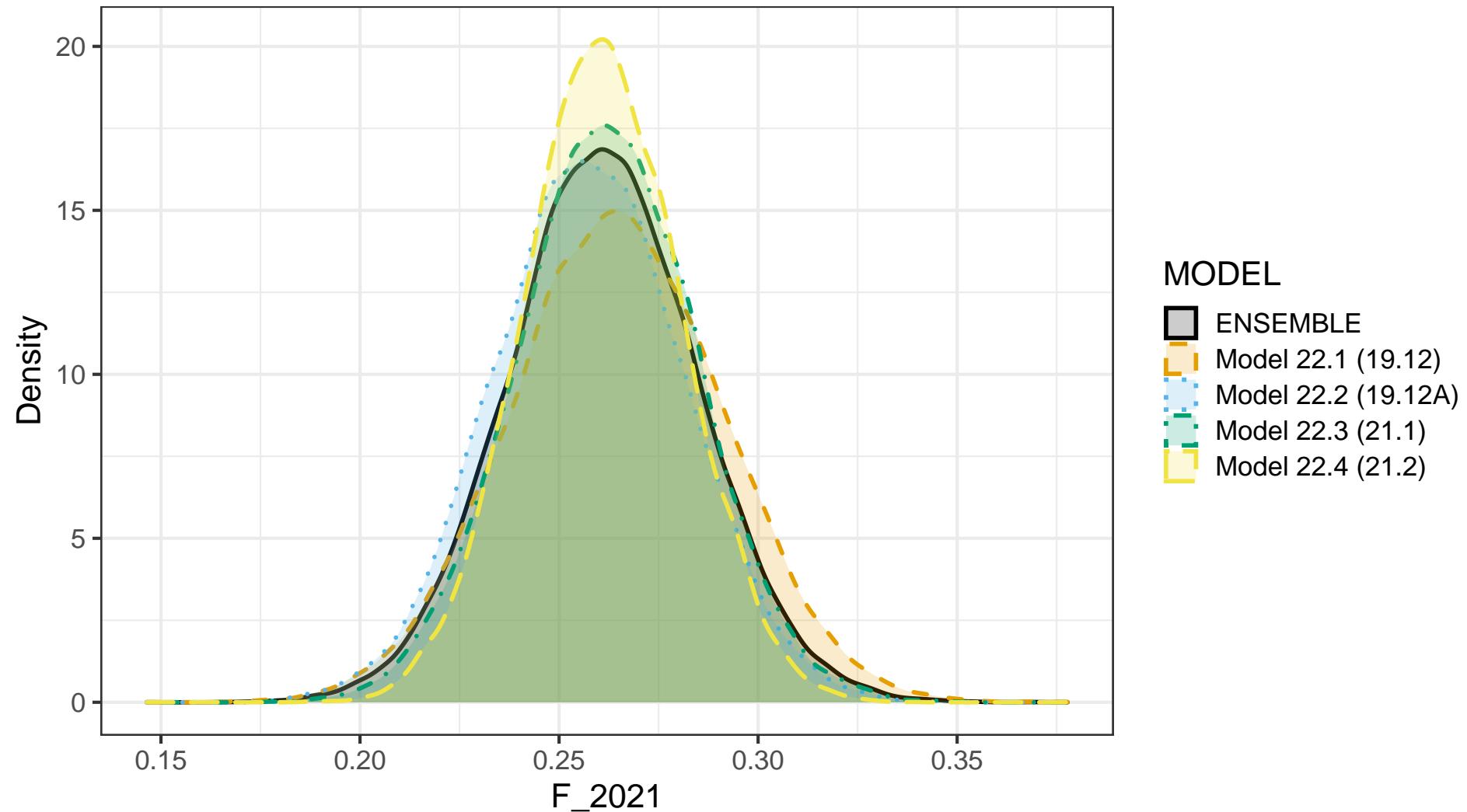




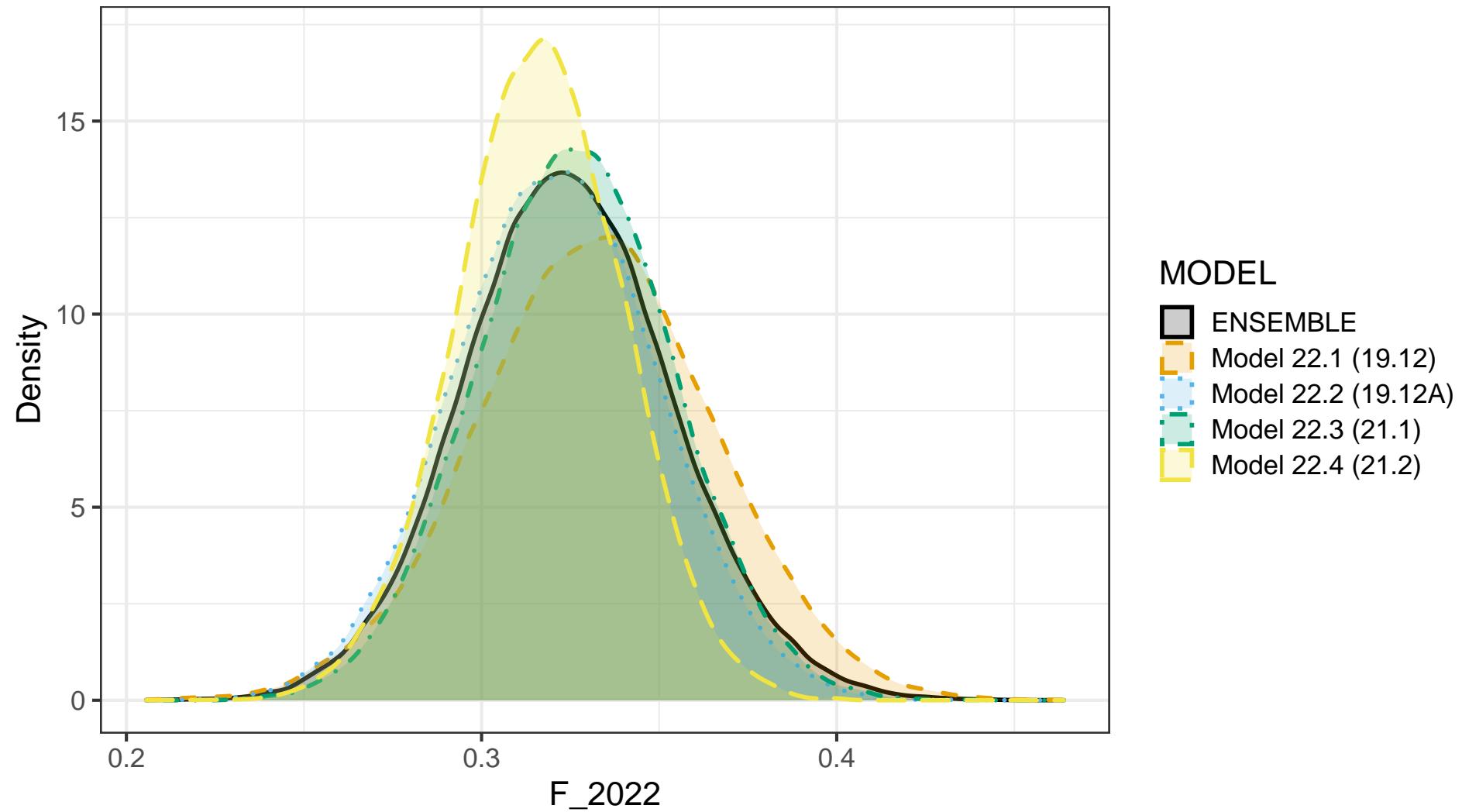
F_2020



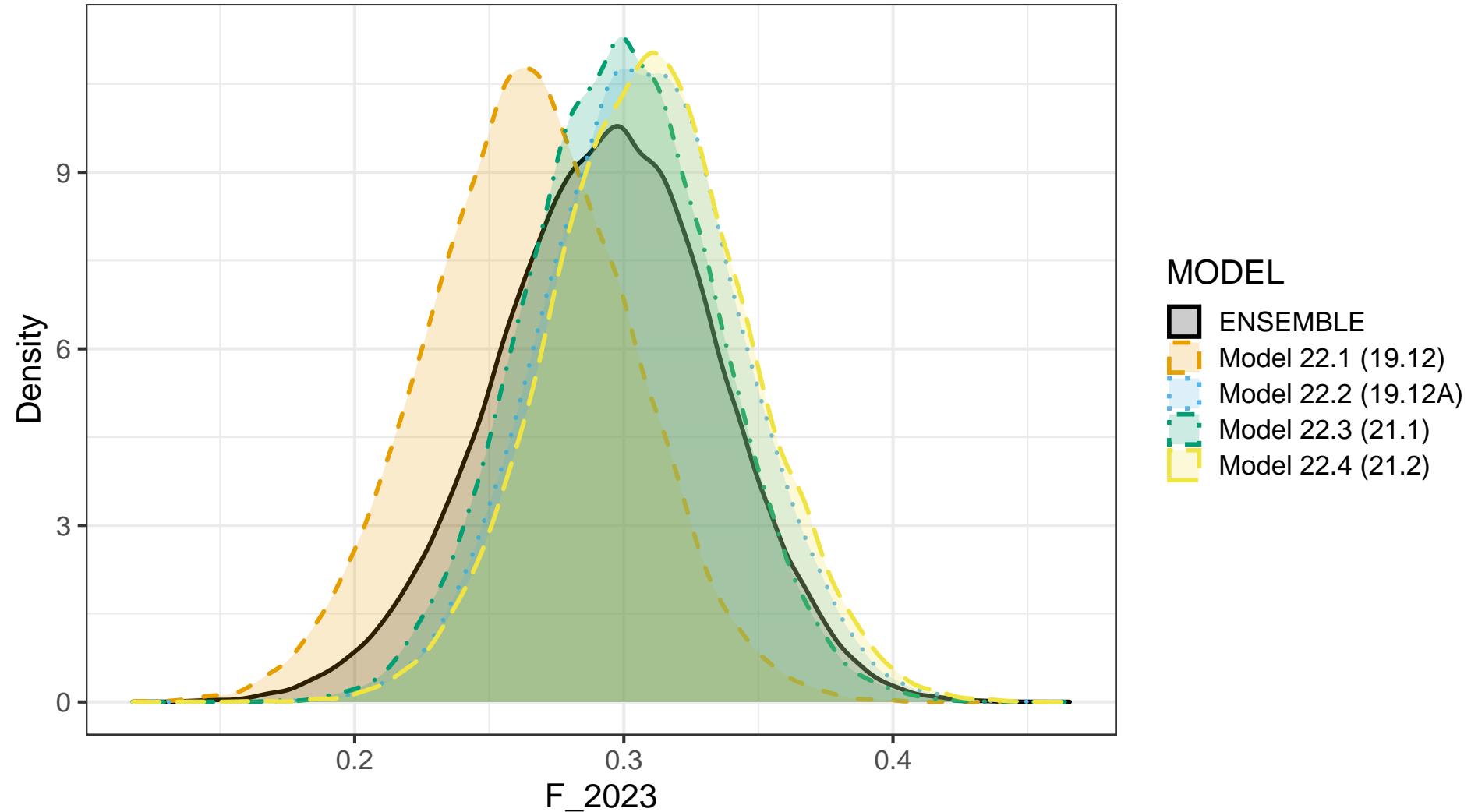
F_2021



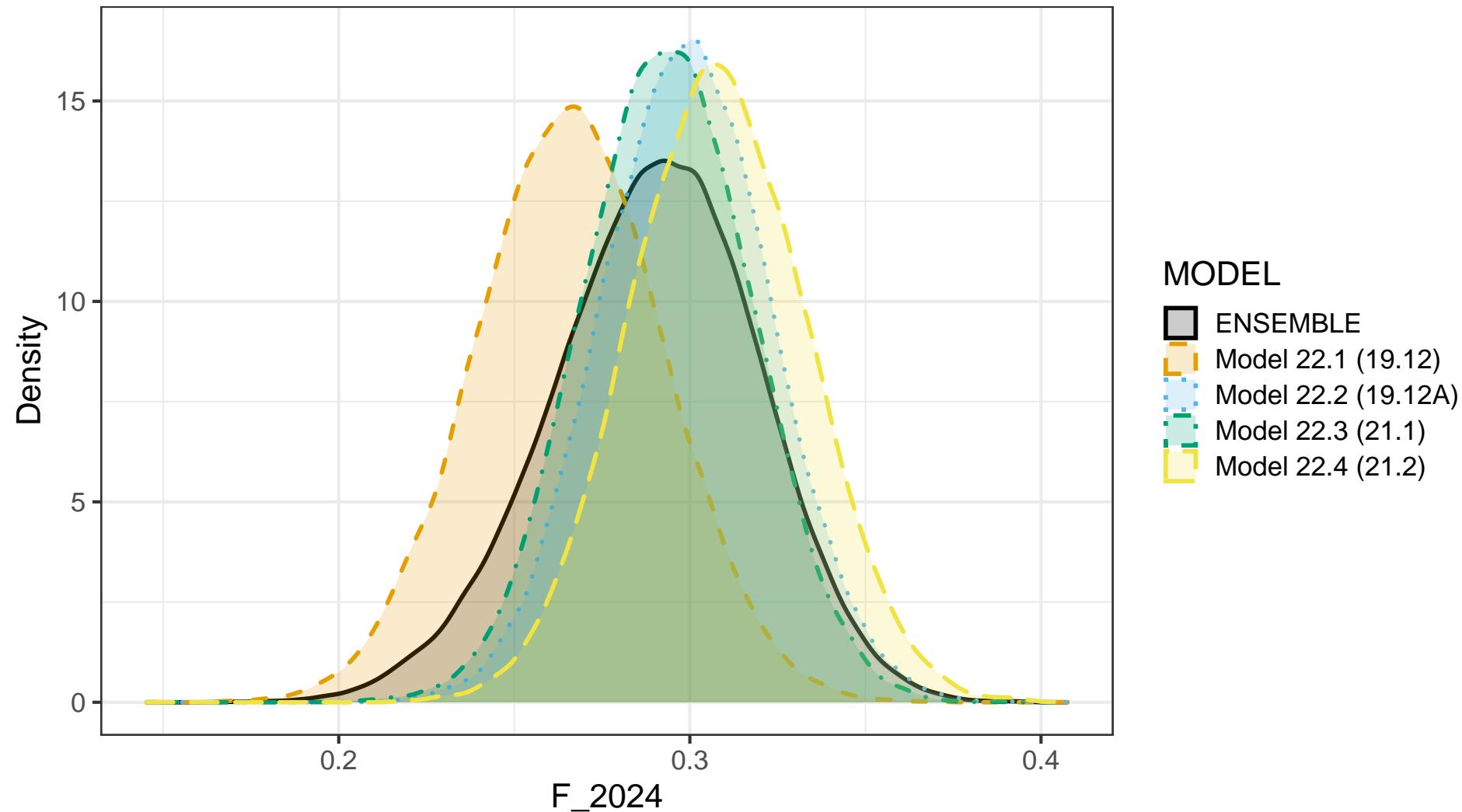
F_2022



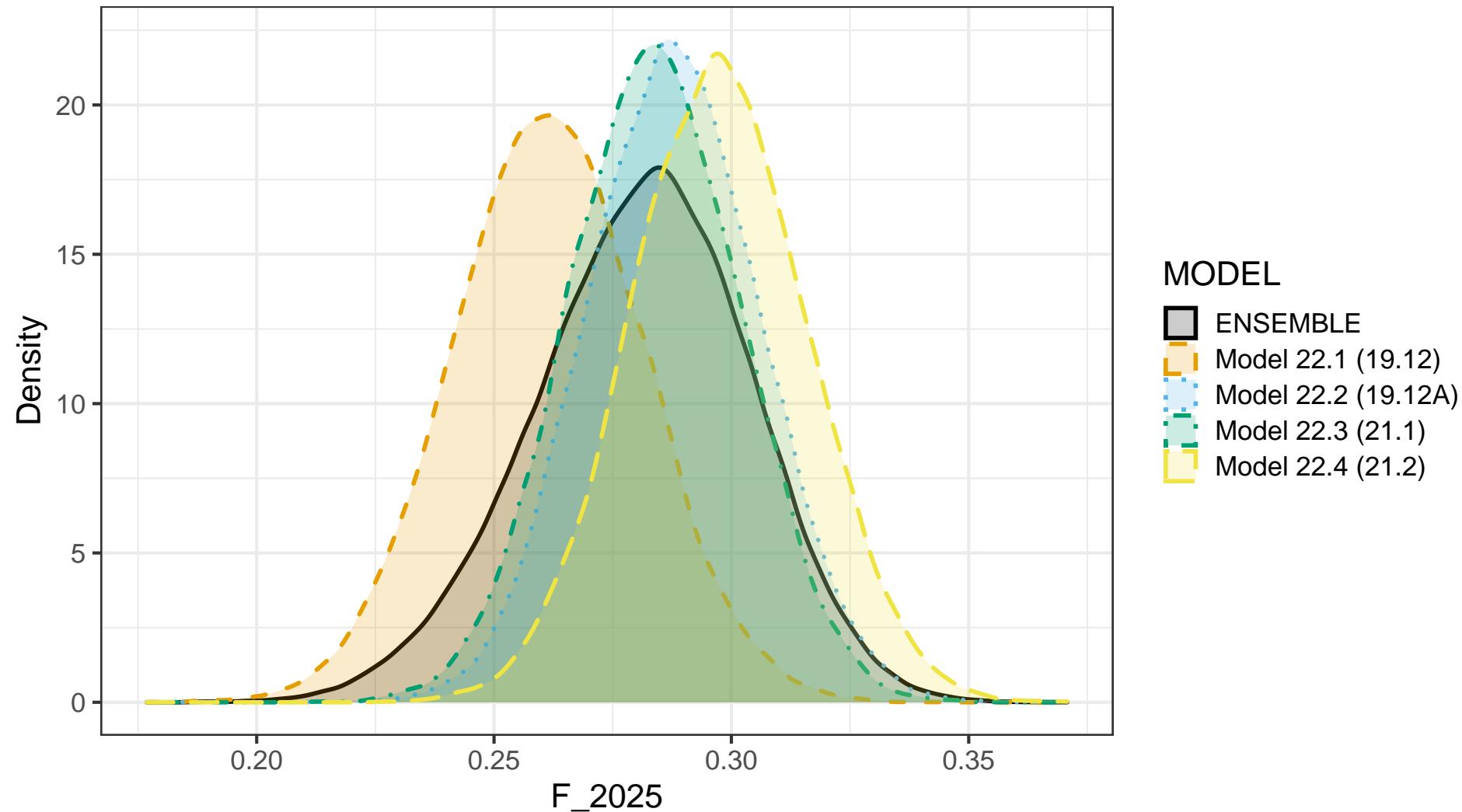
F_2023



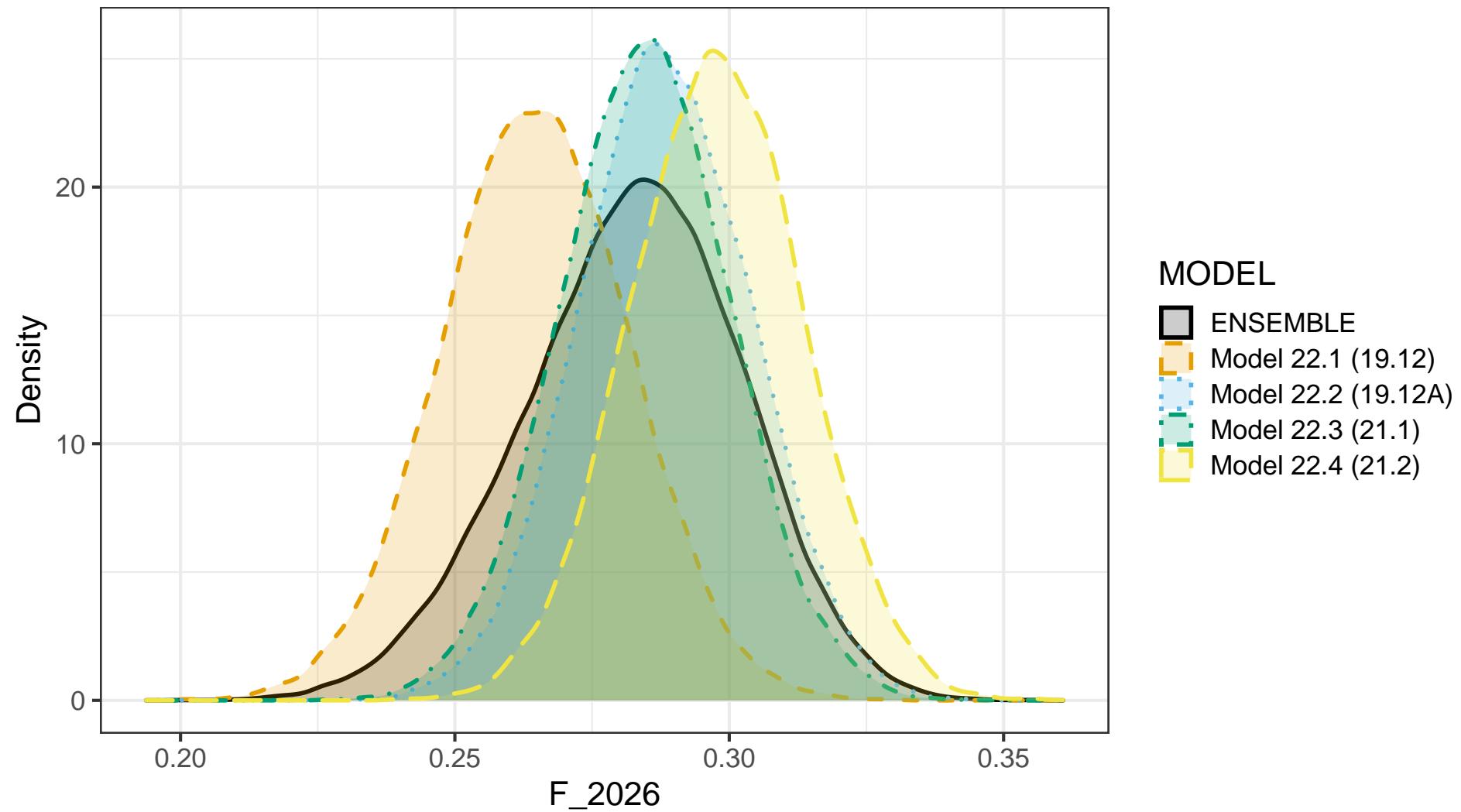
F_2024



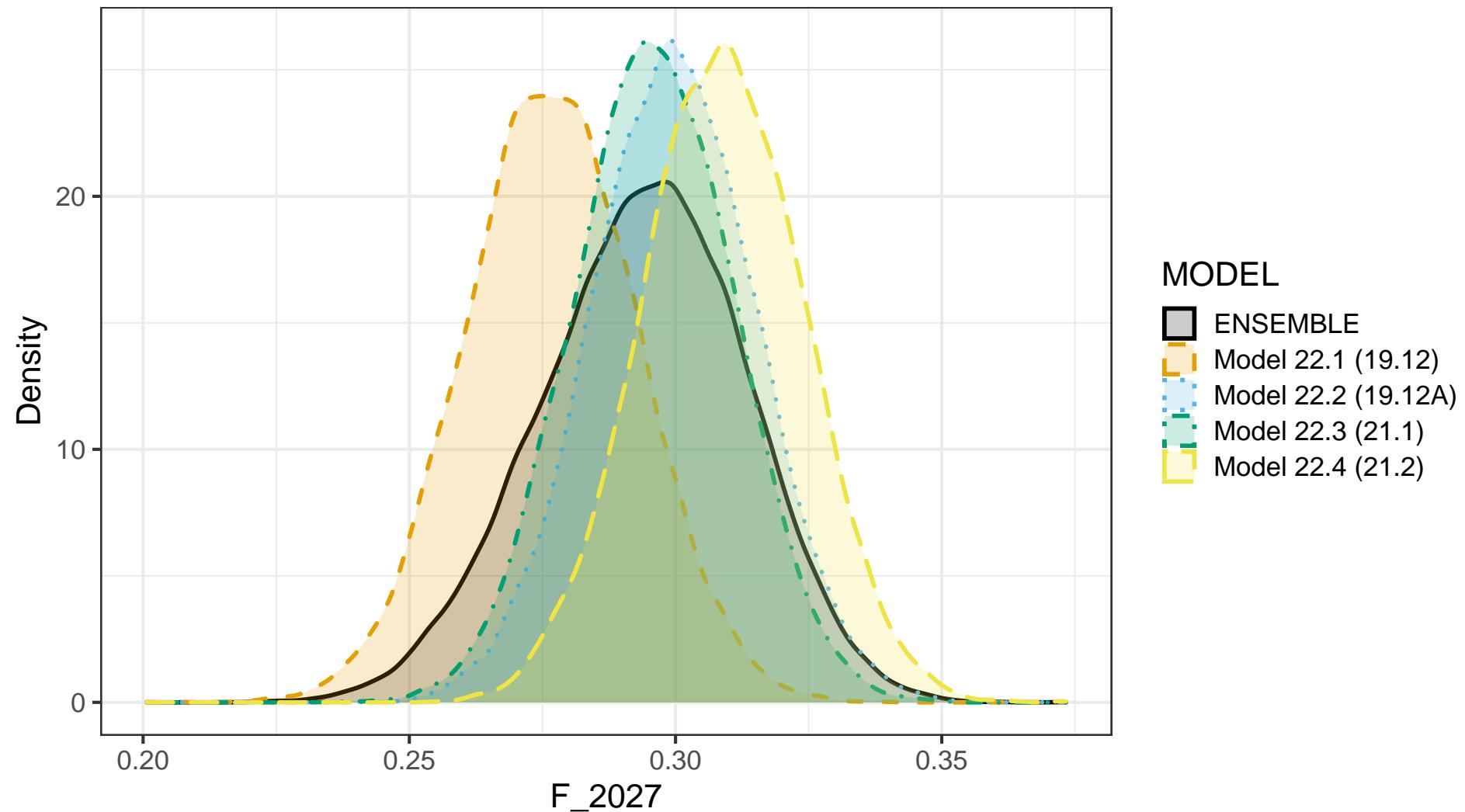
F_2025



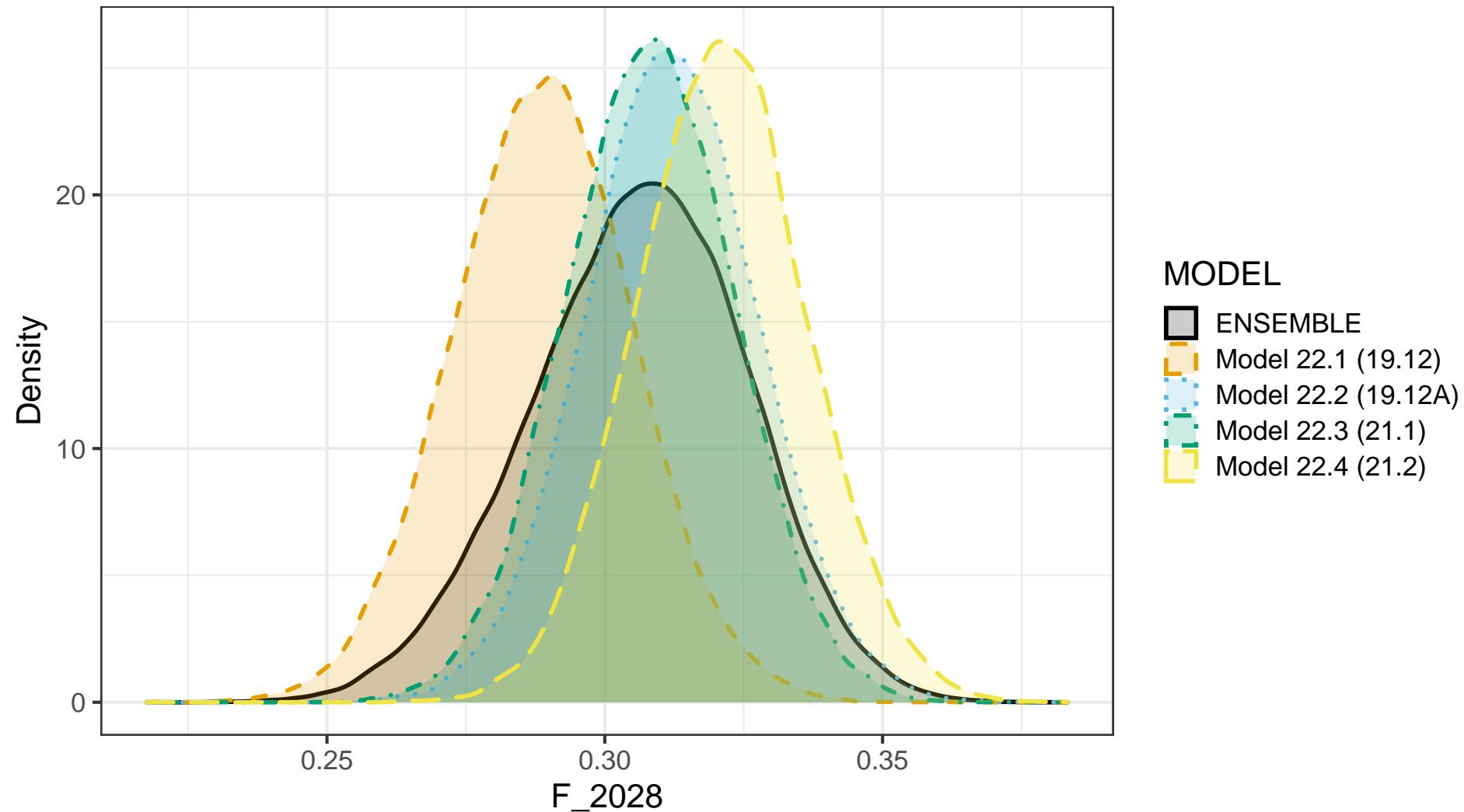
F_2026



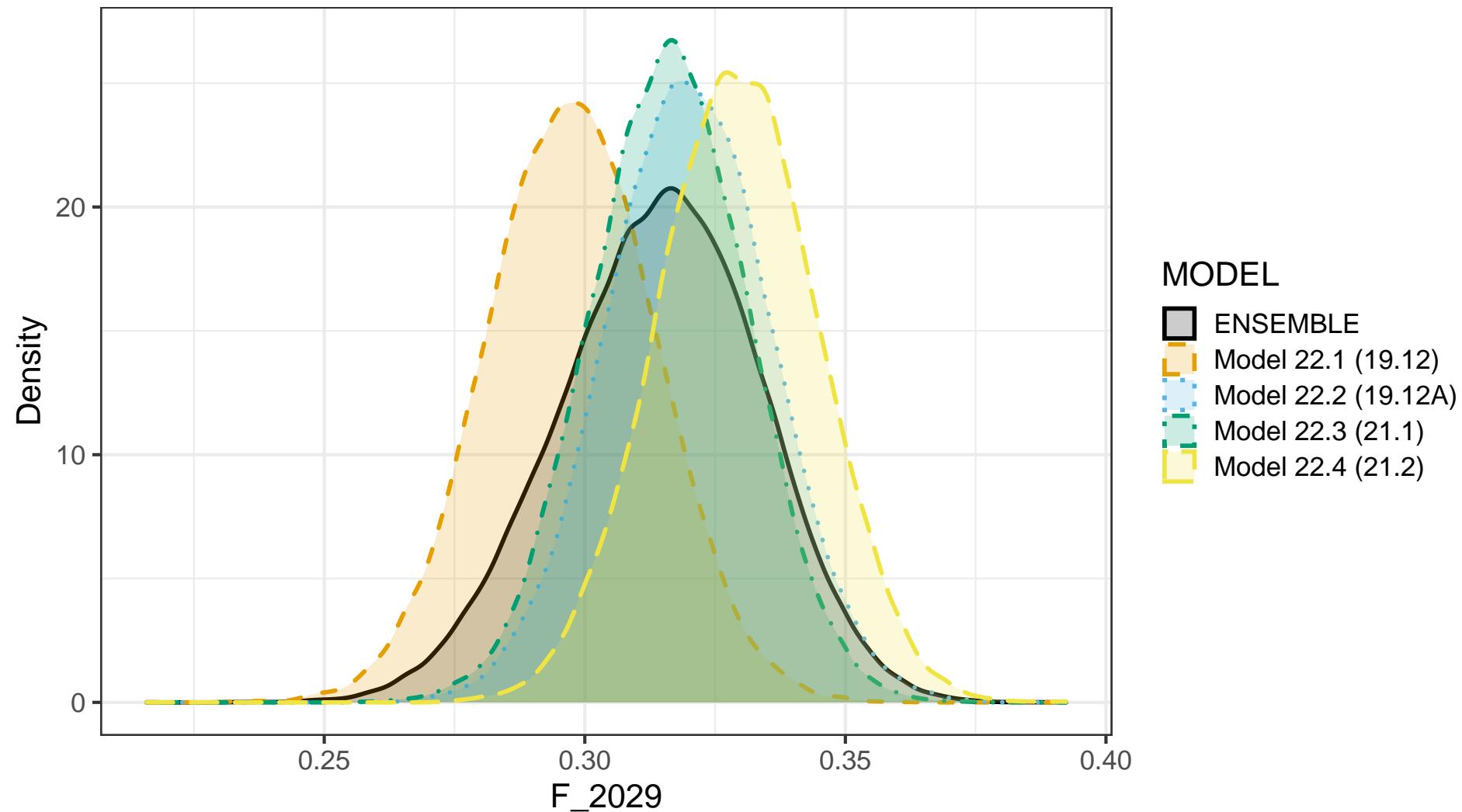
F_2027



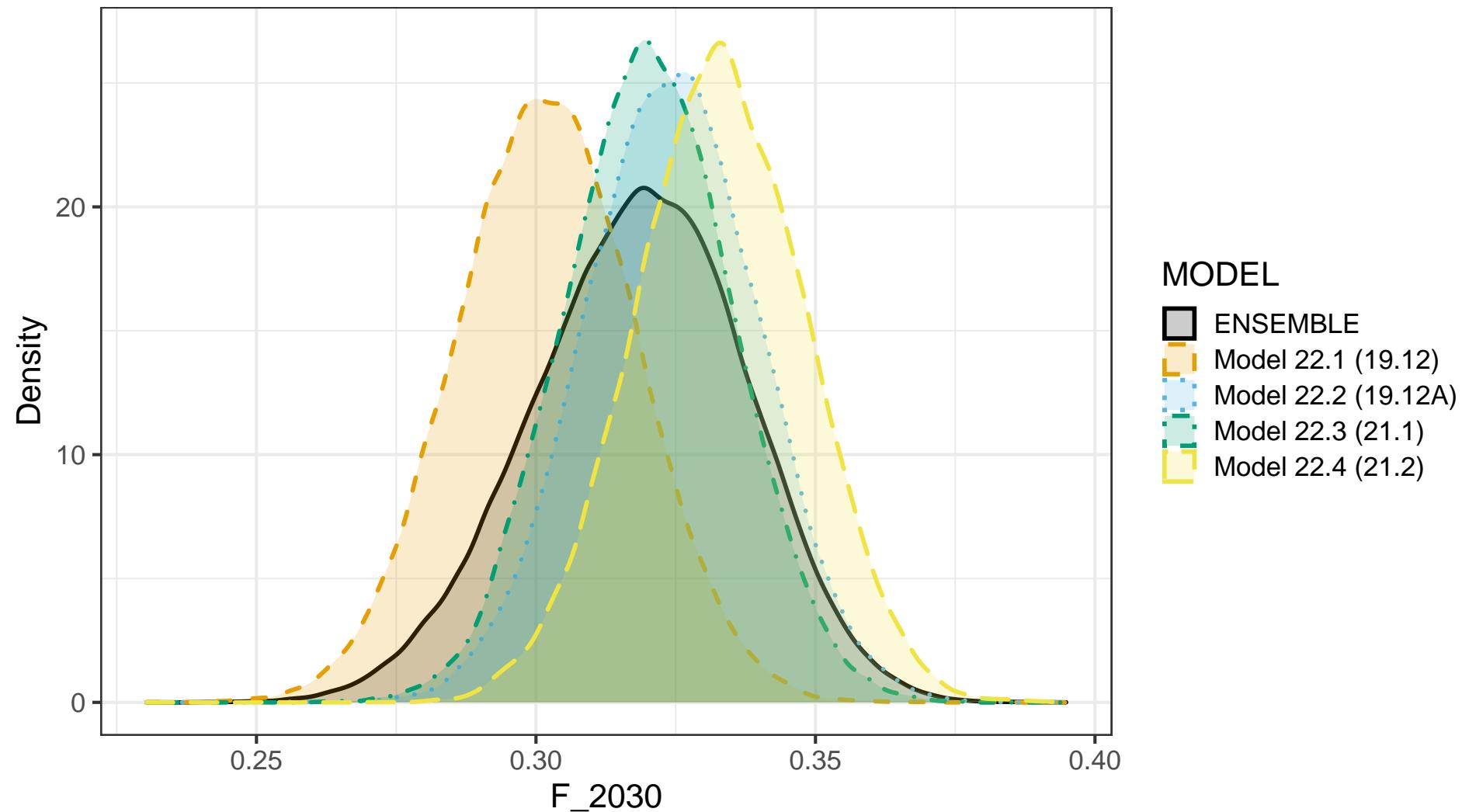
F_2028



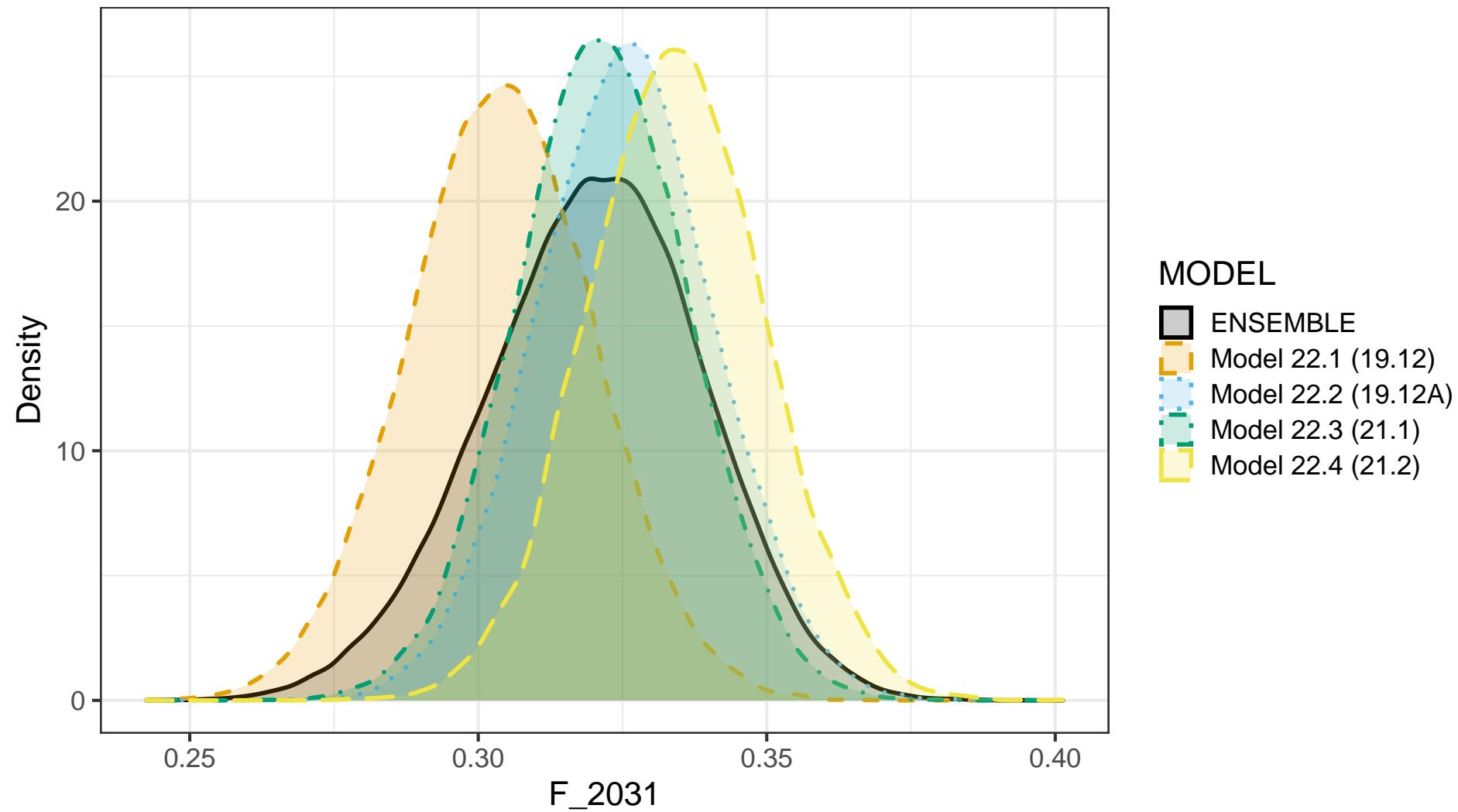
F_2029



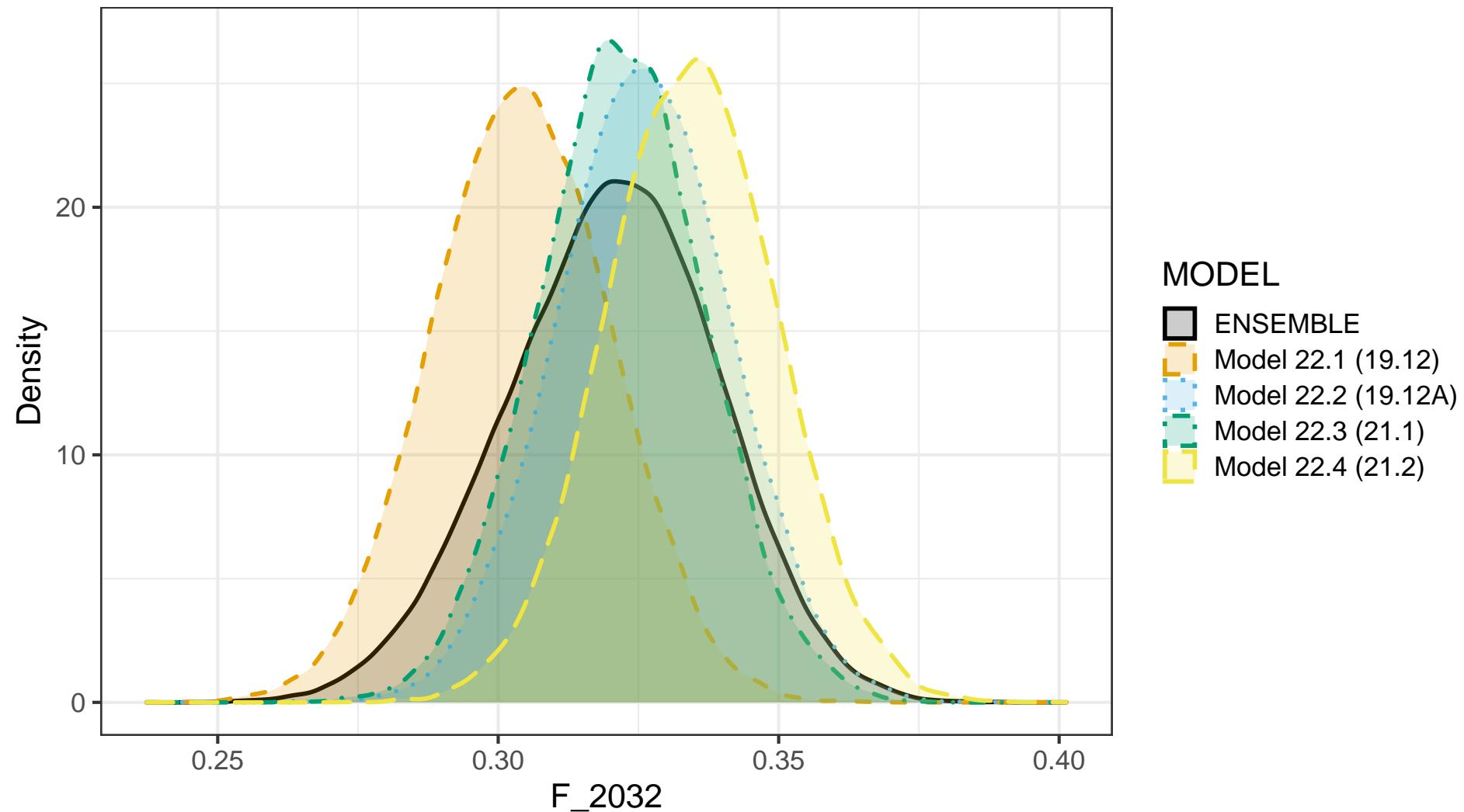
F_2030



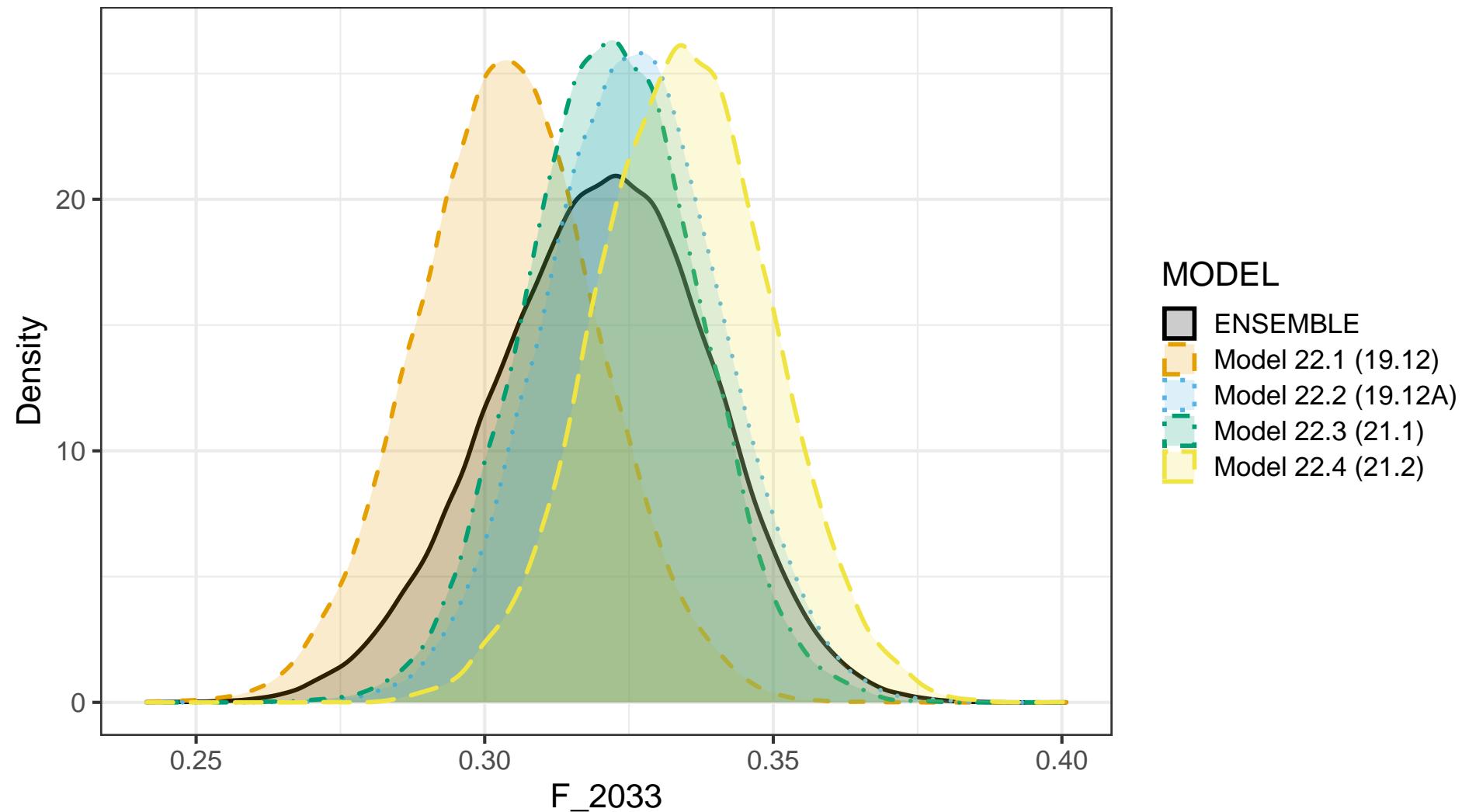
F_2031



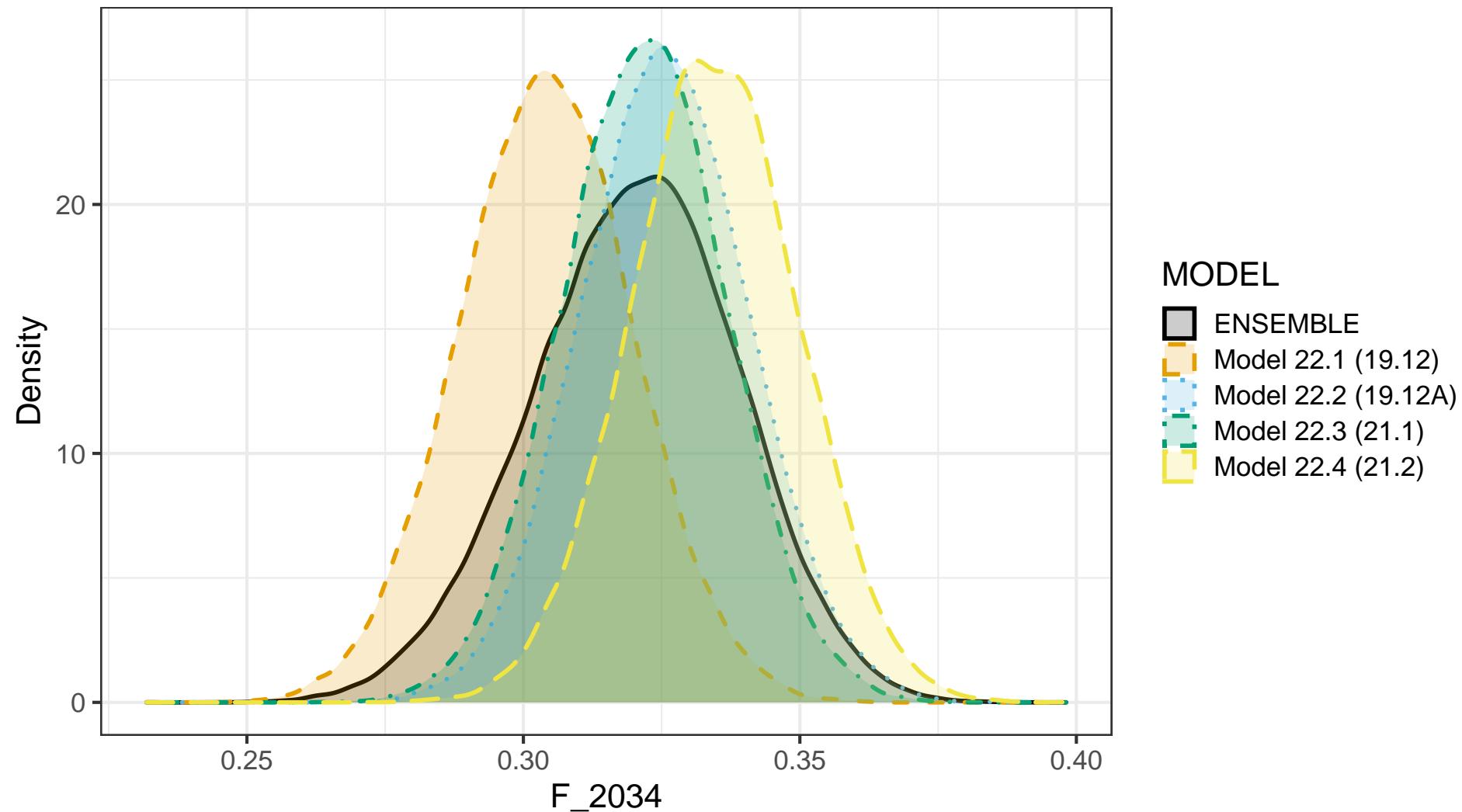
F_2032



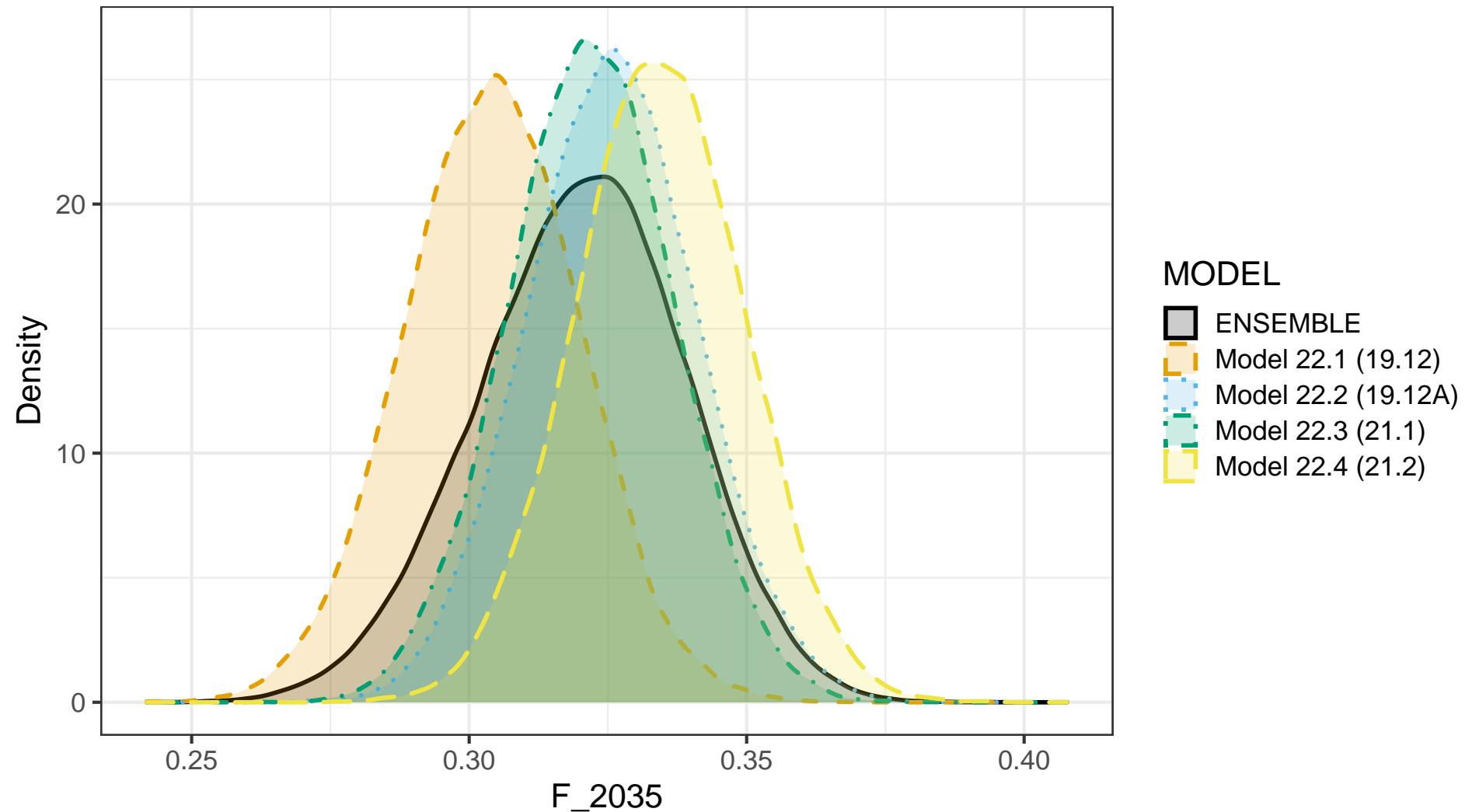
F_2033



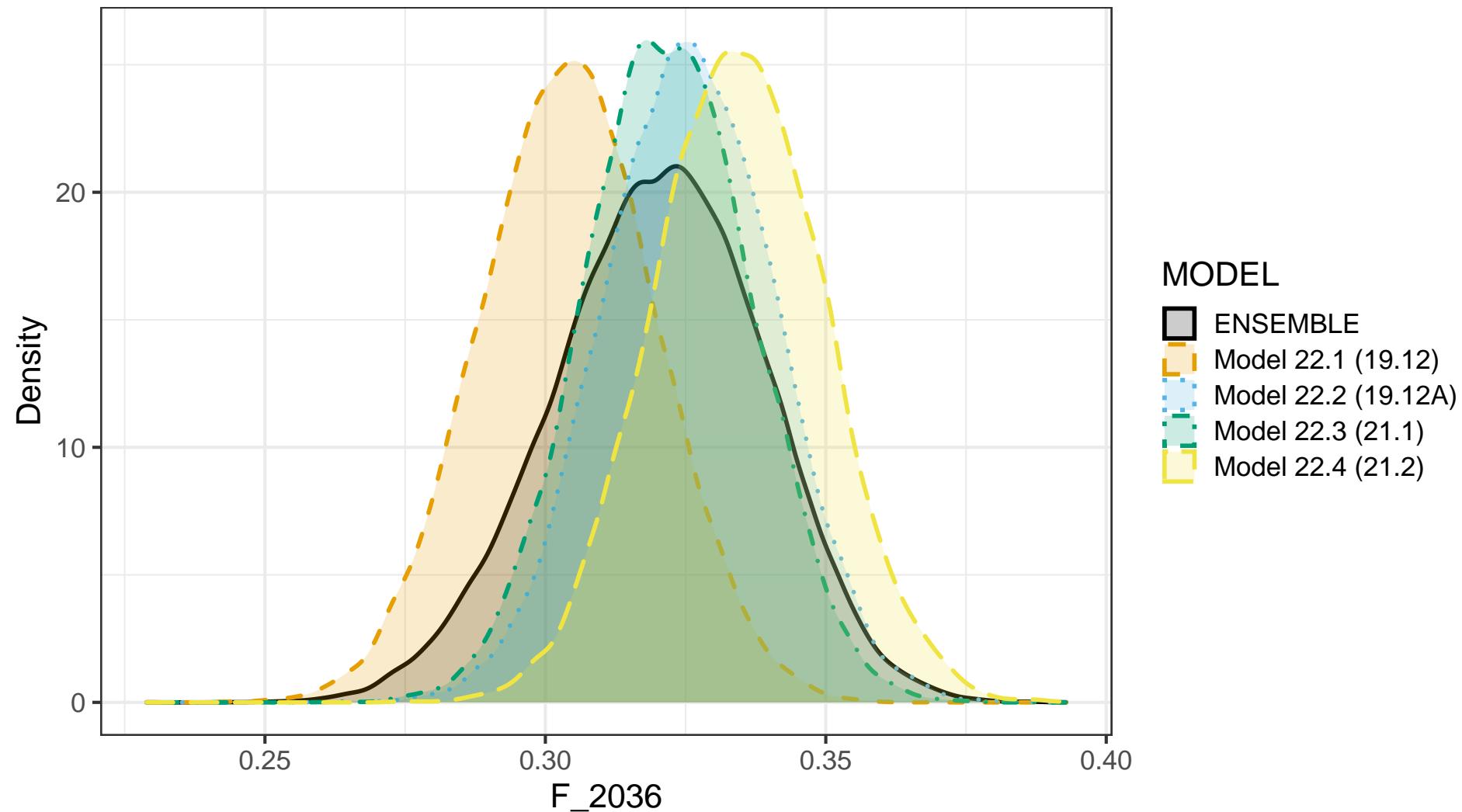
F_2034



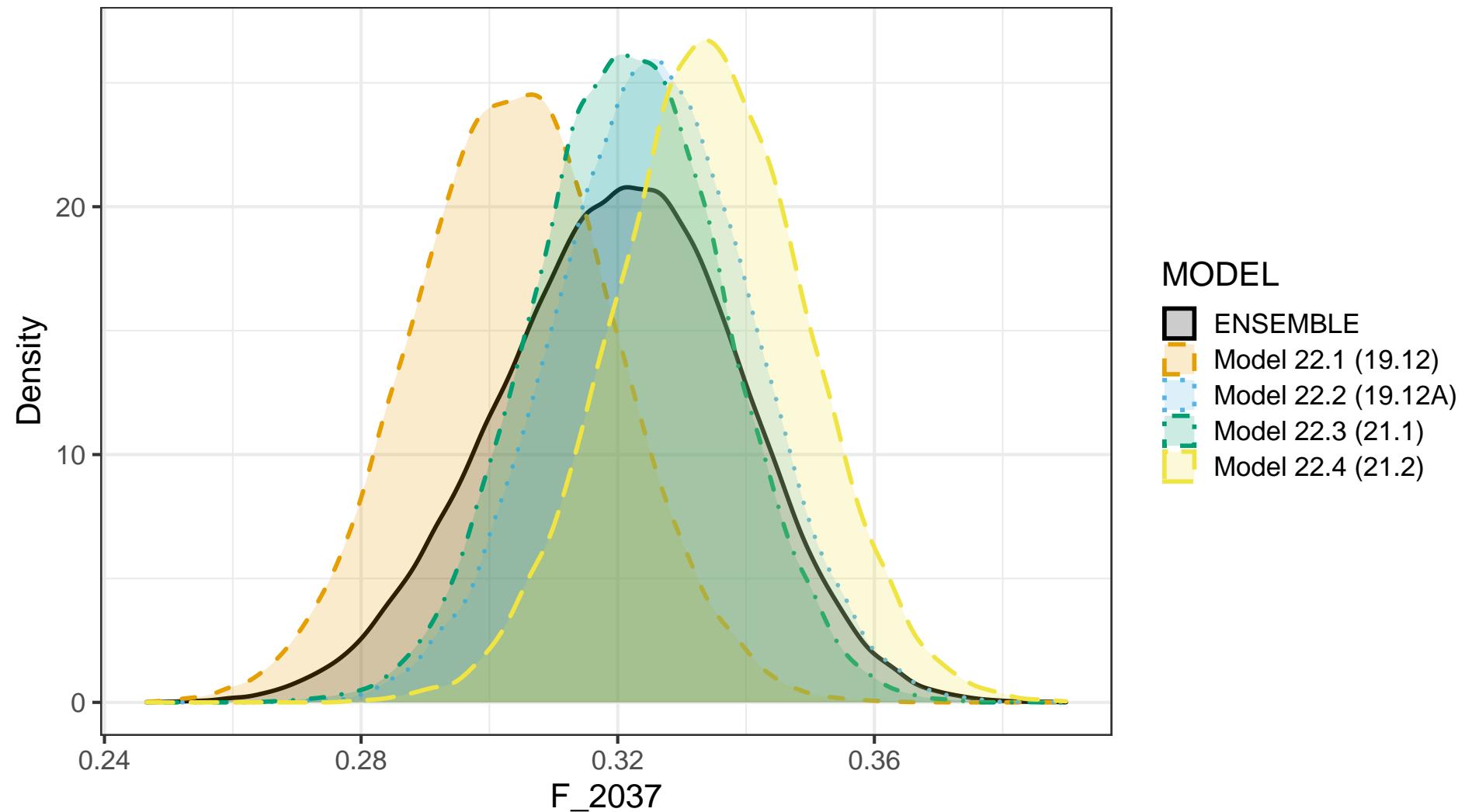
F_2035



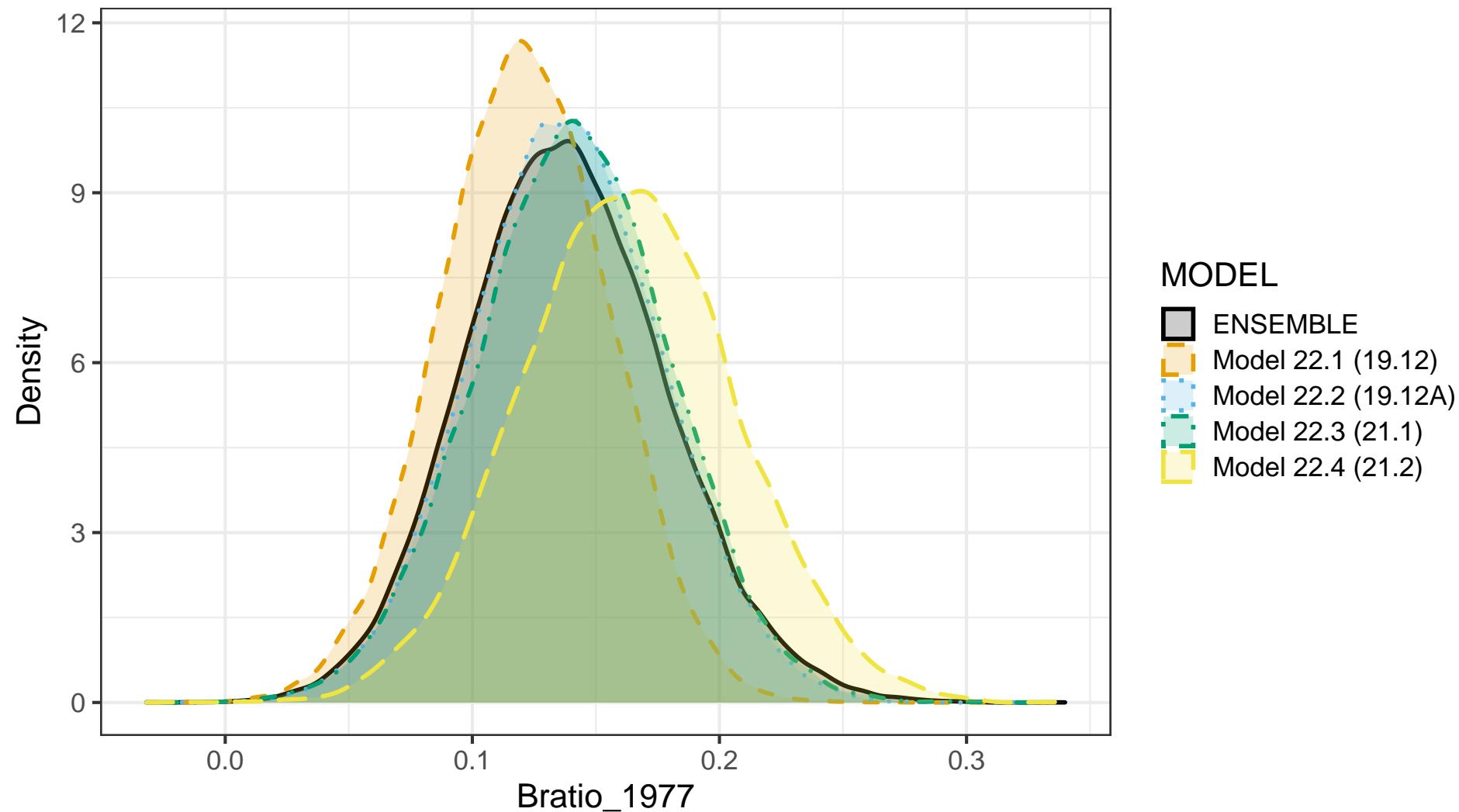
F_2036



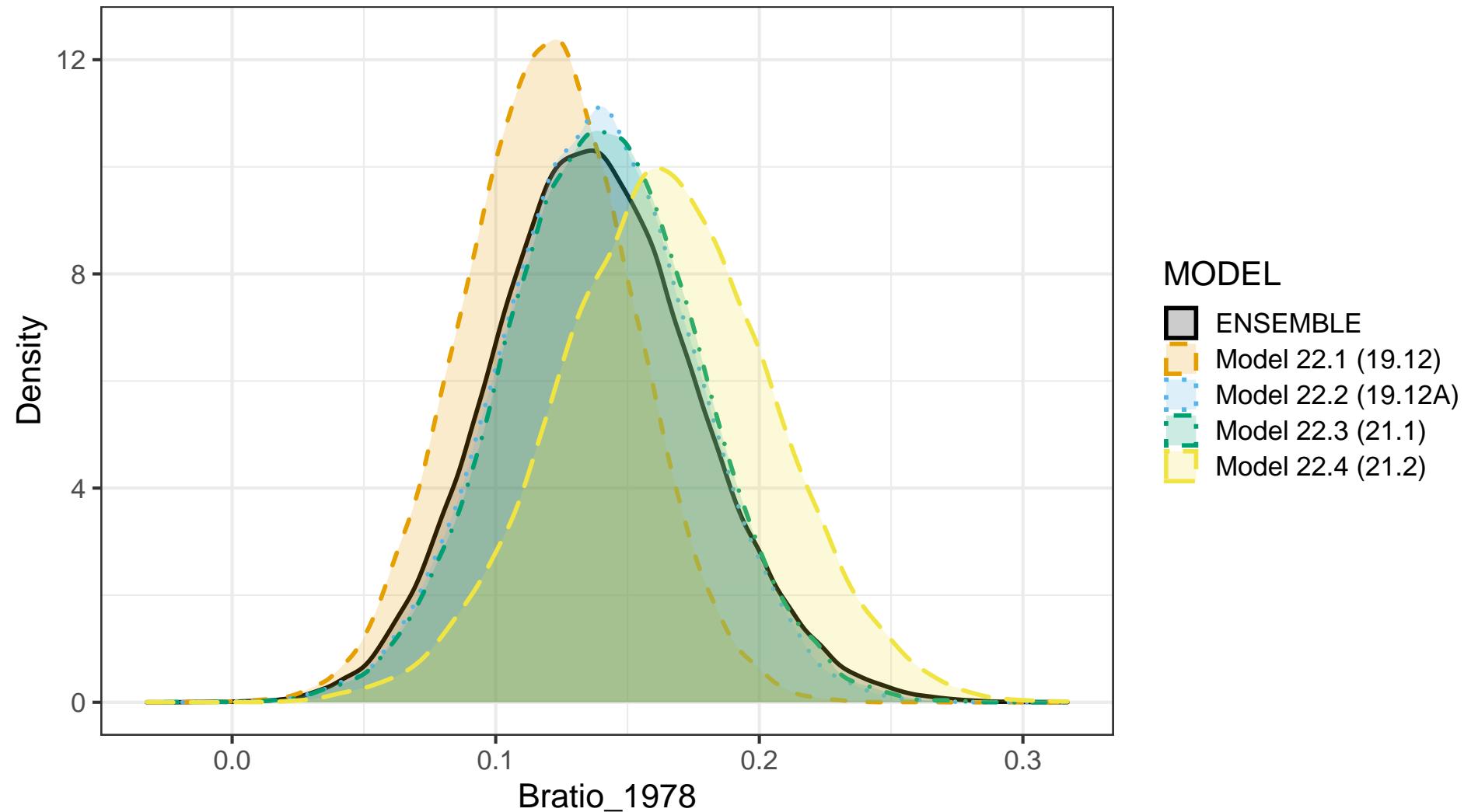
F_2037



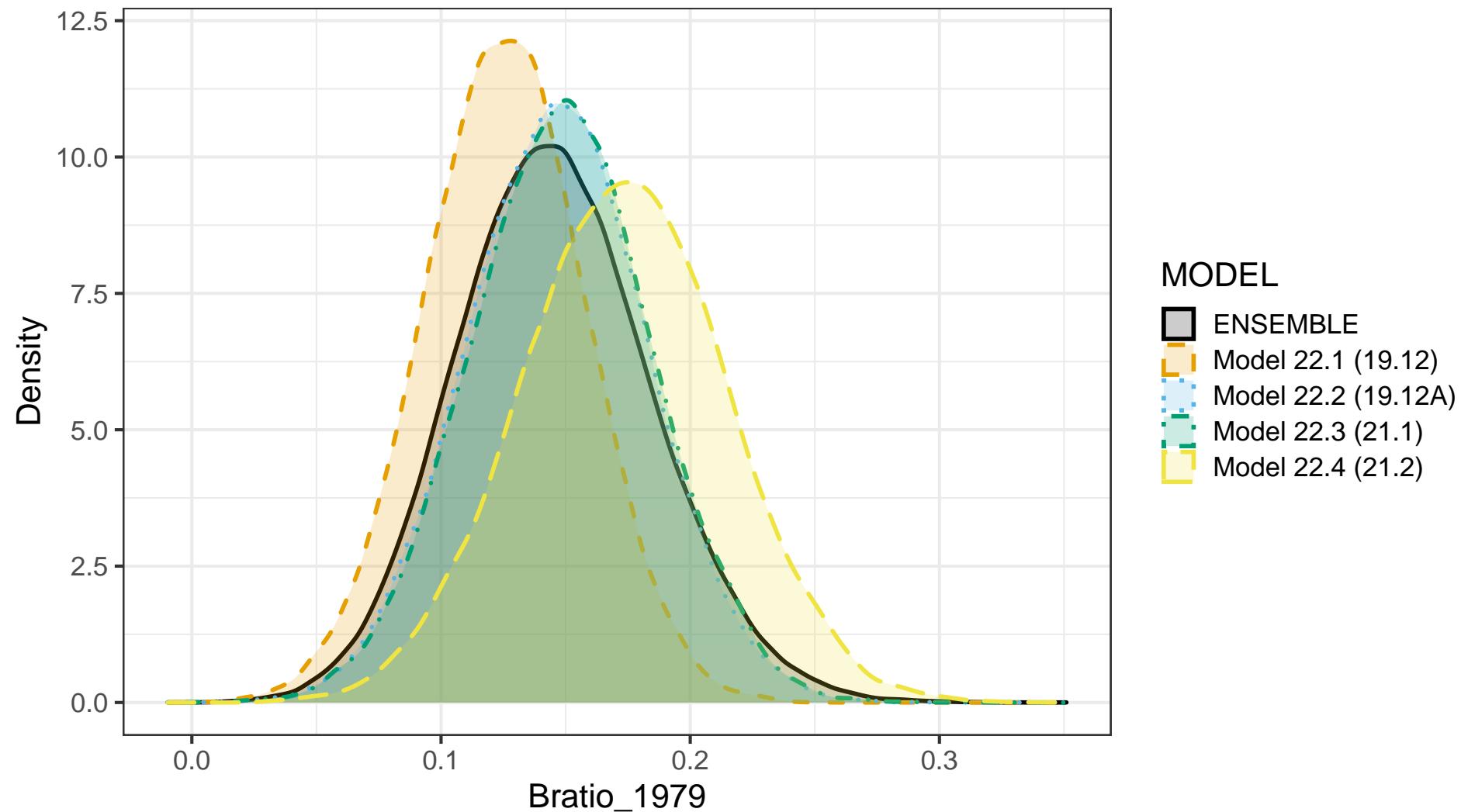
Bratio_1977



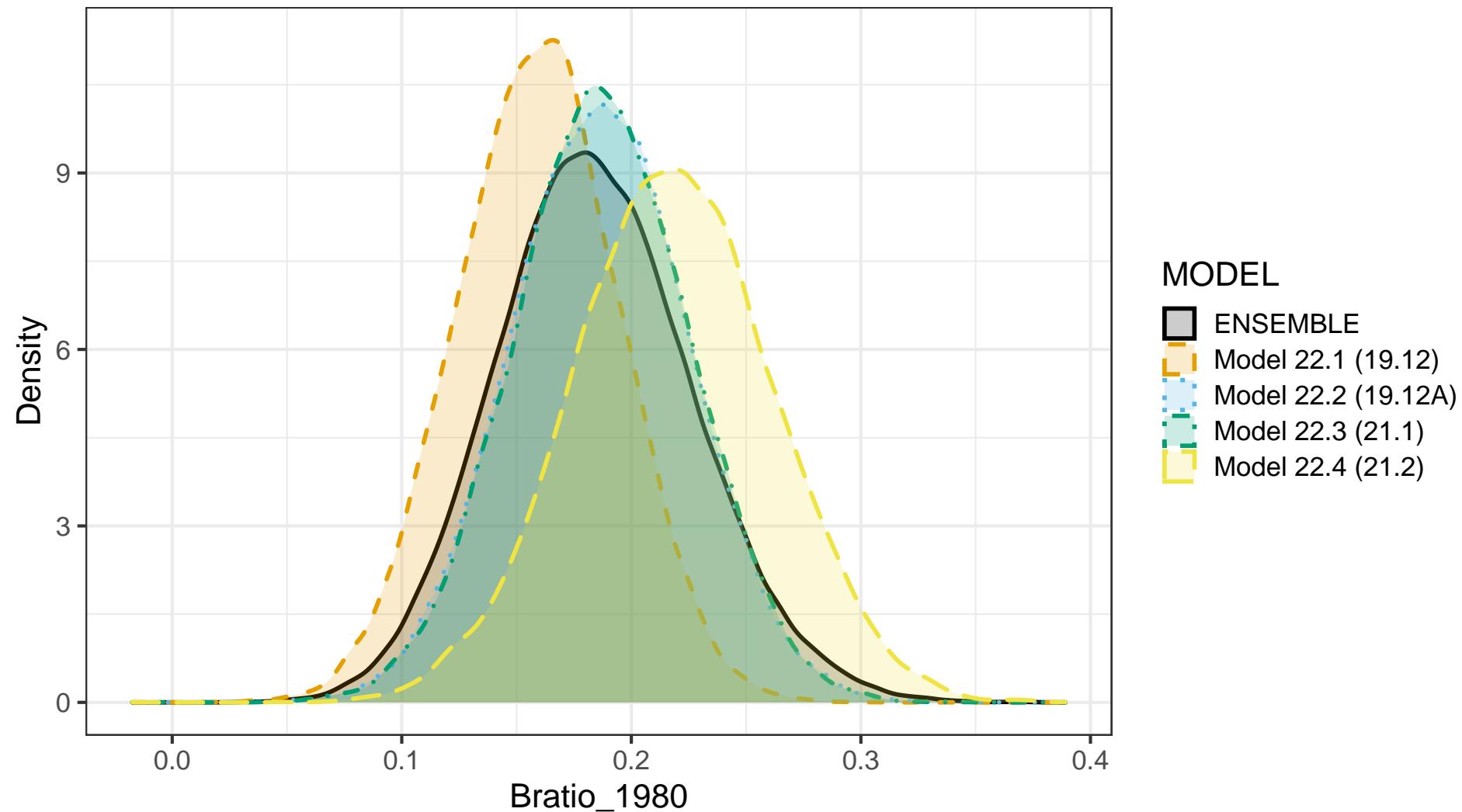
Bratio_1978



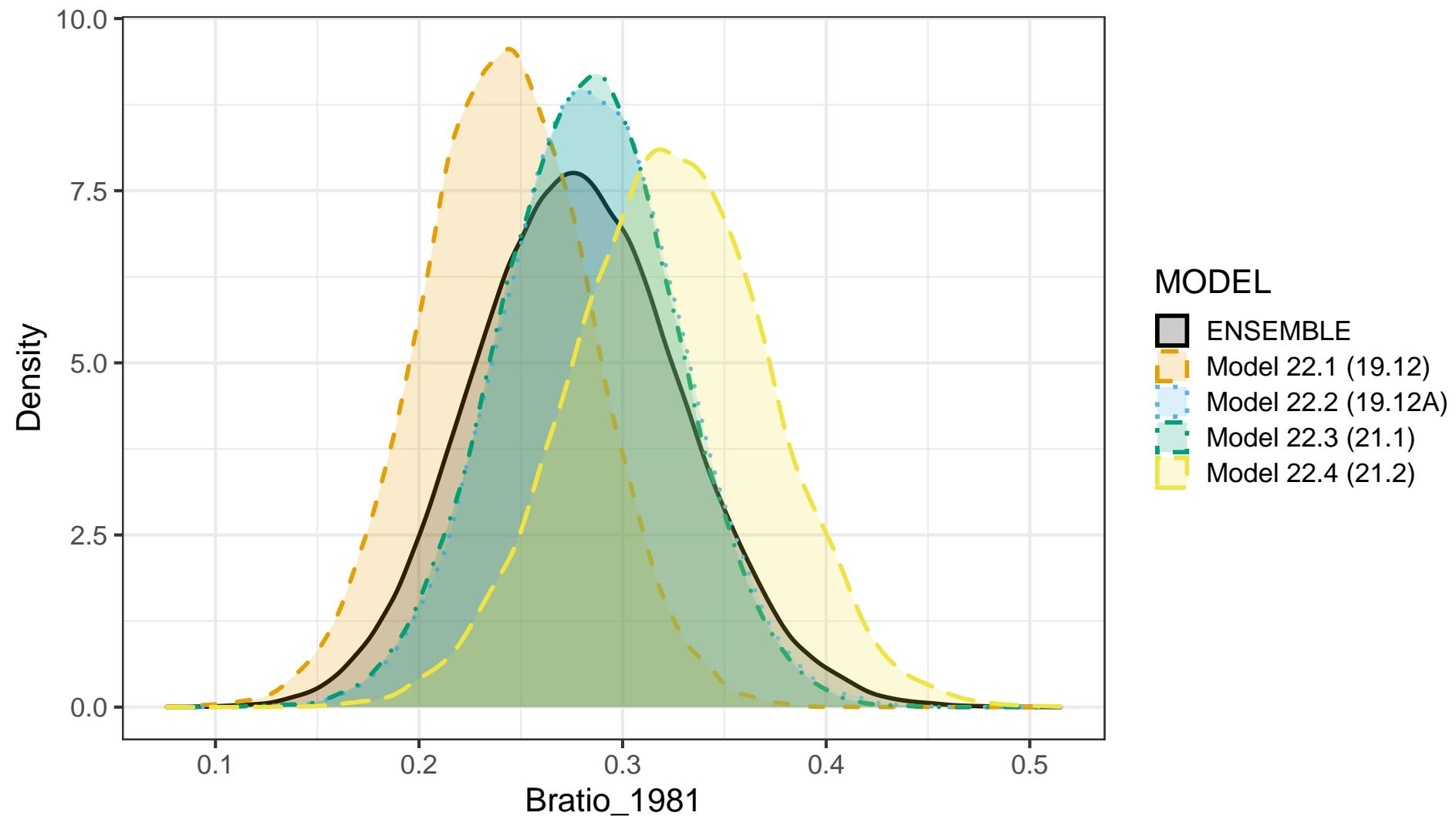
Bratio_1979



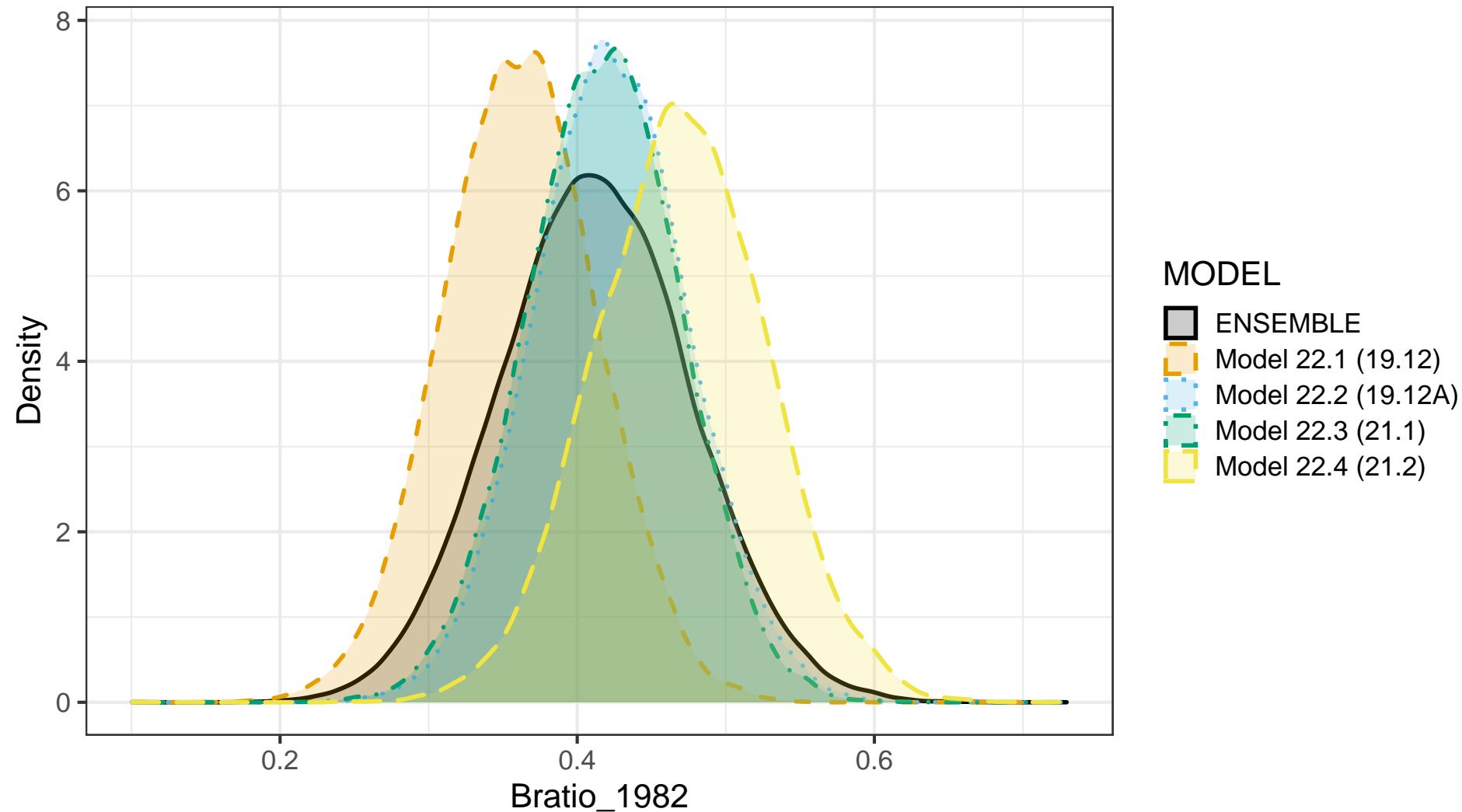
Bratio_1980



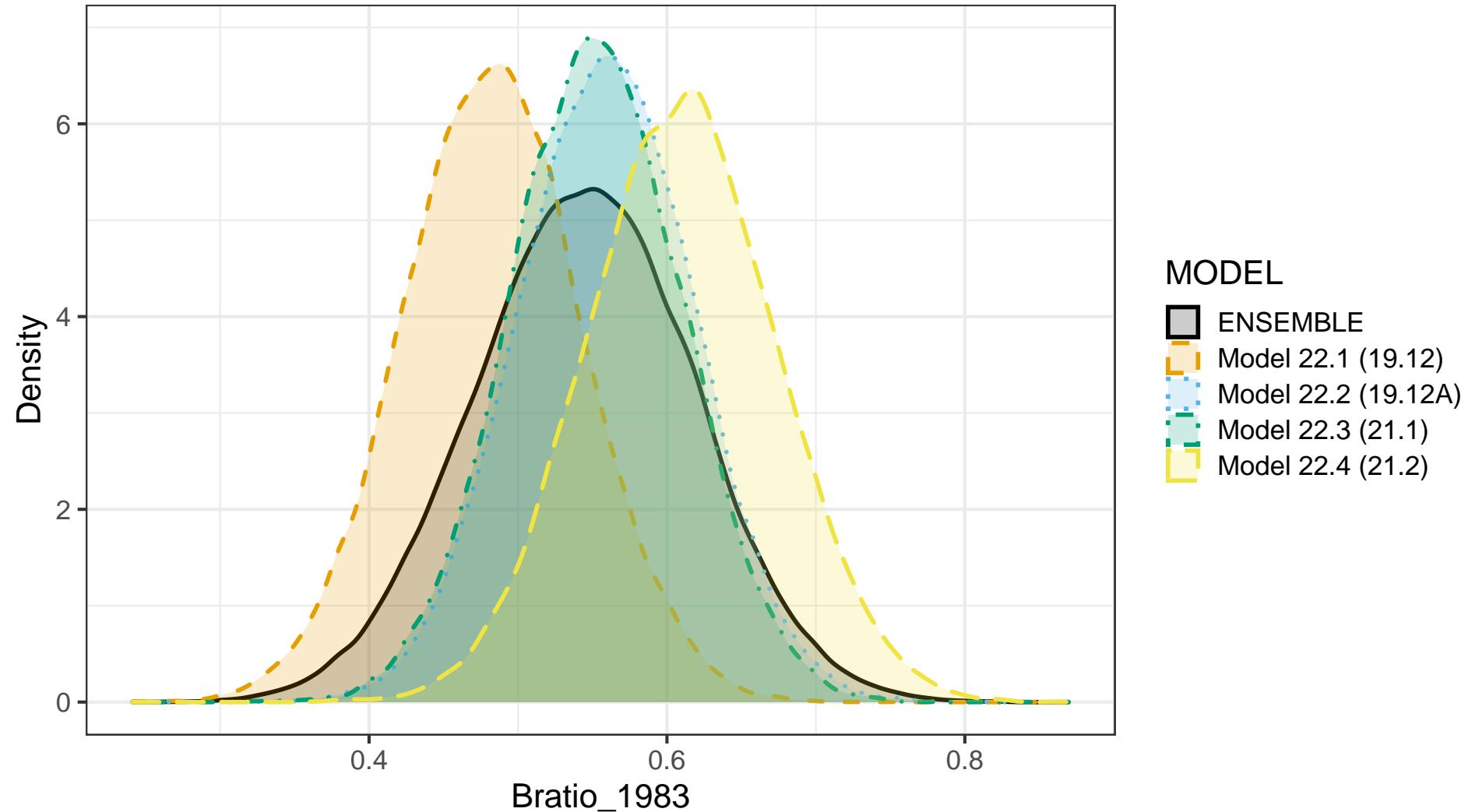
Bratio_1981



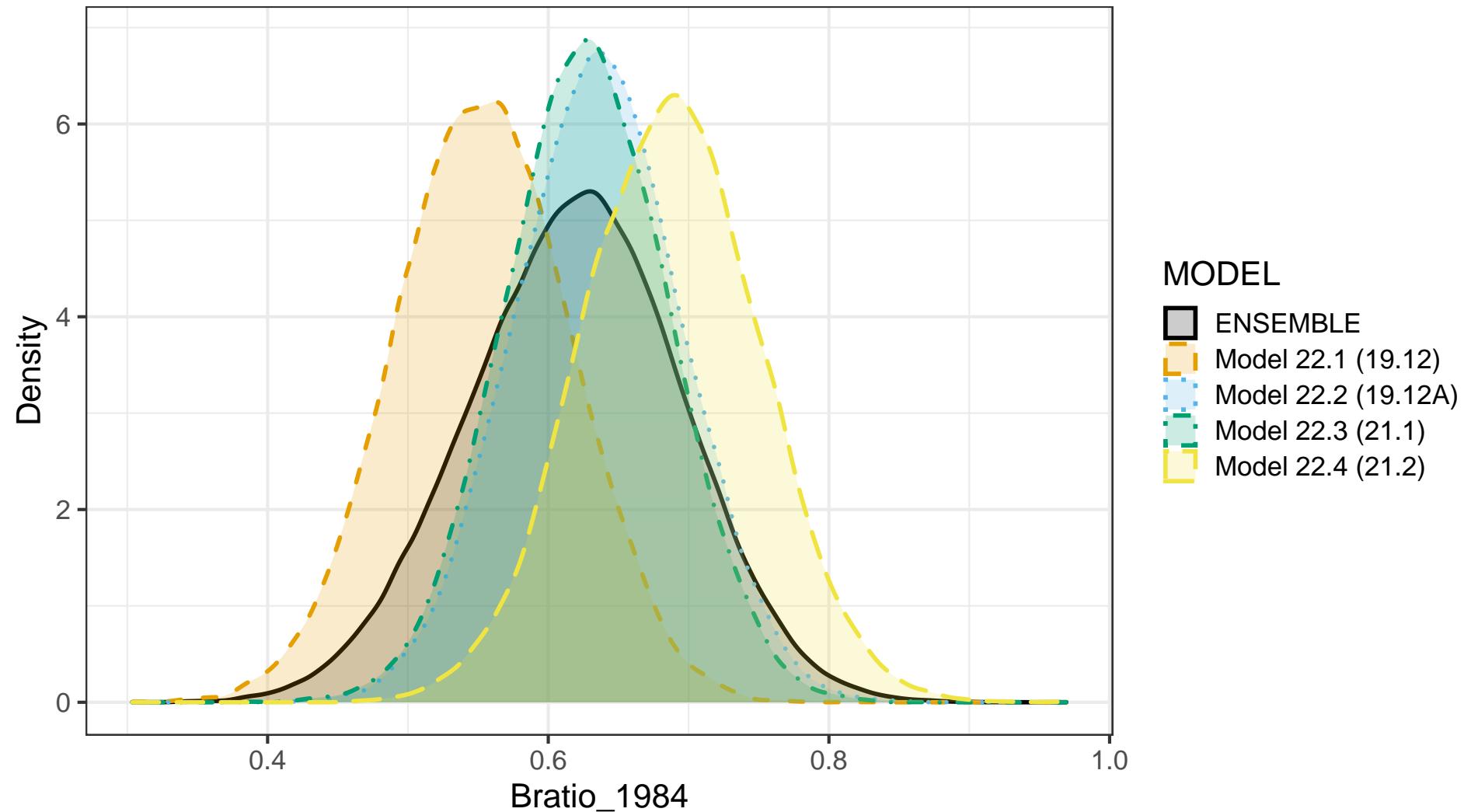
Bratio_1982



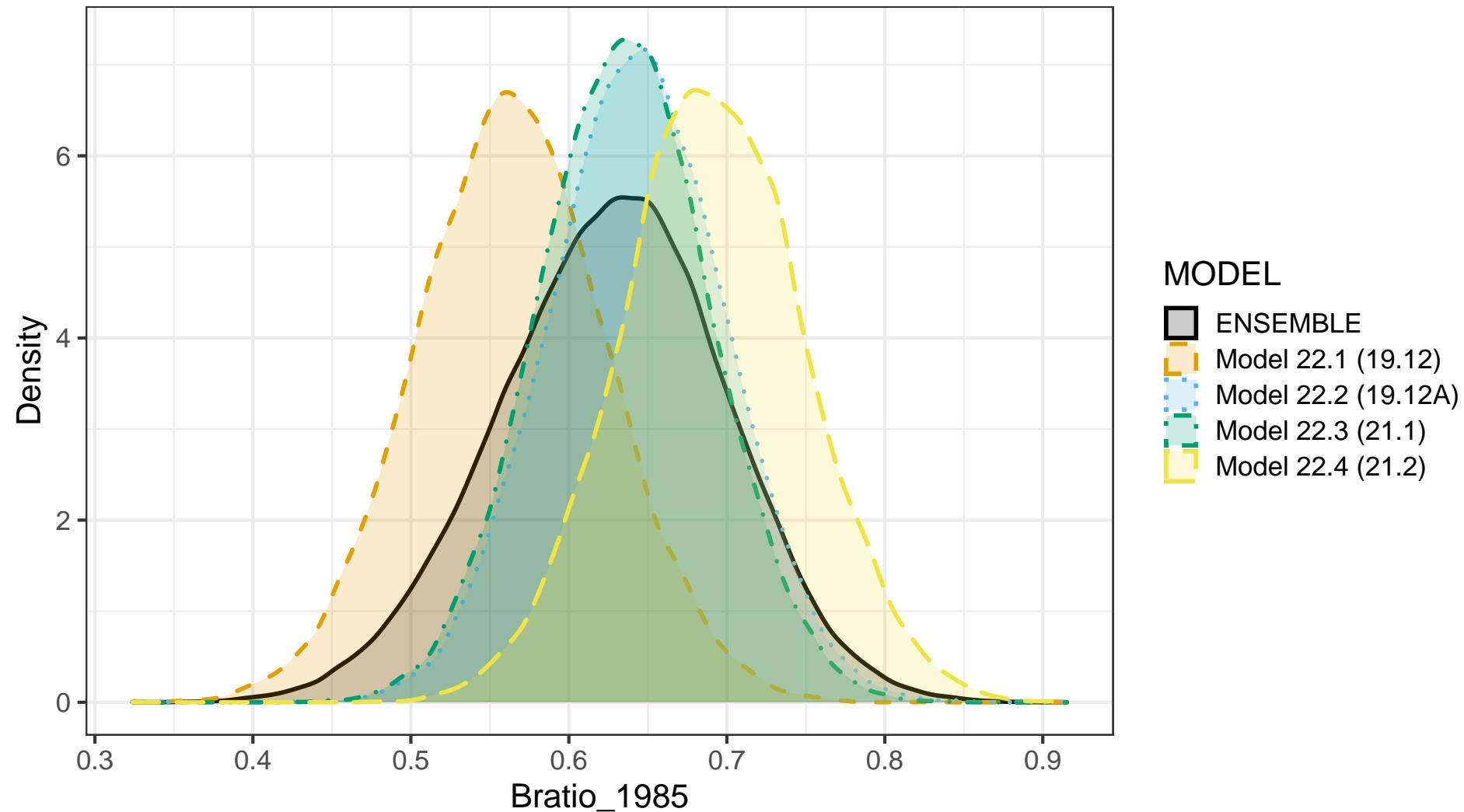
Bratio_1983



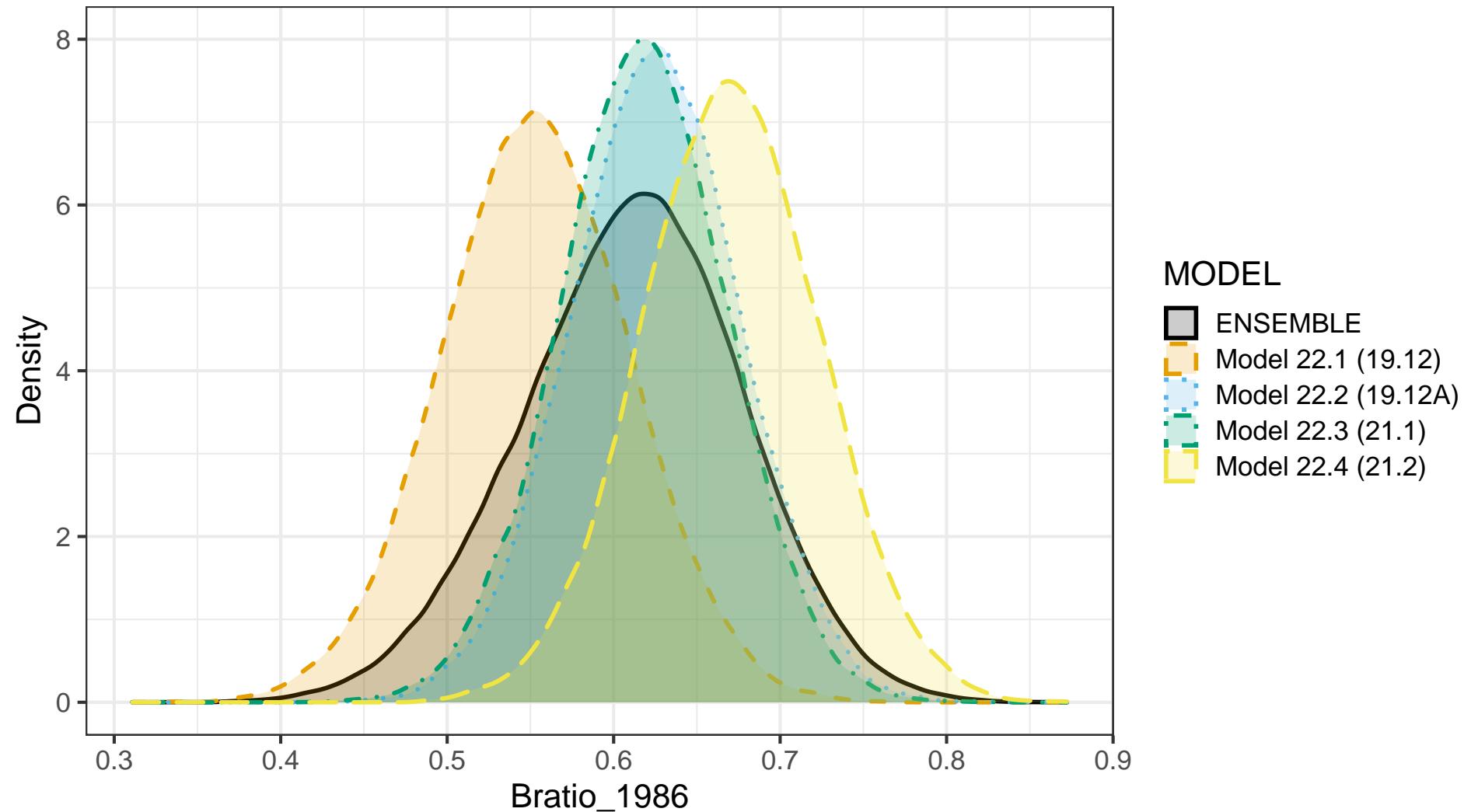
Bratio_1984



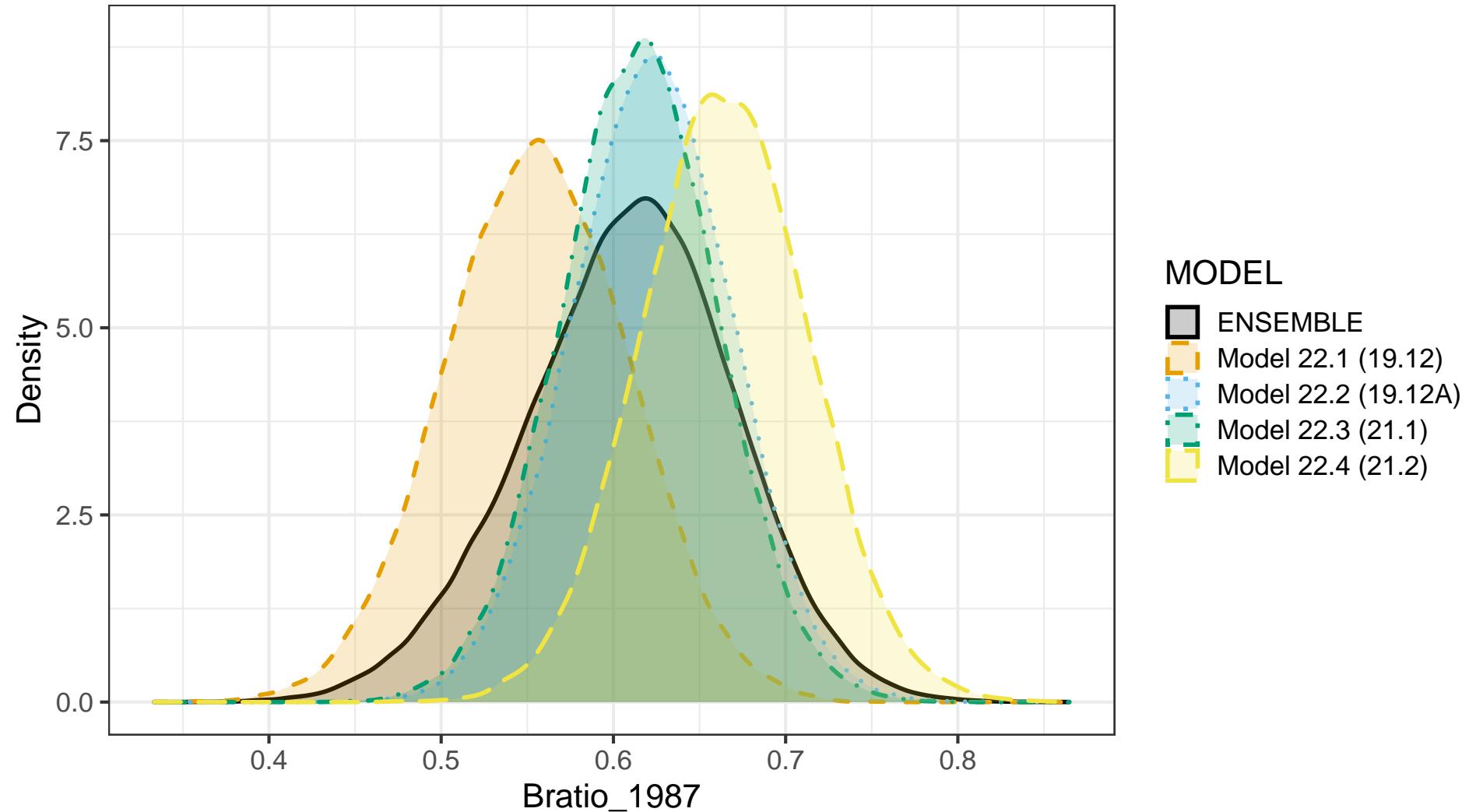
Bratio_1985



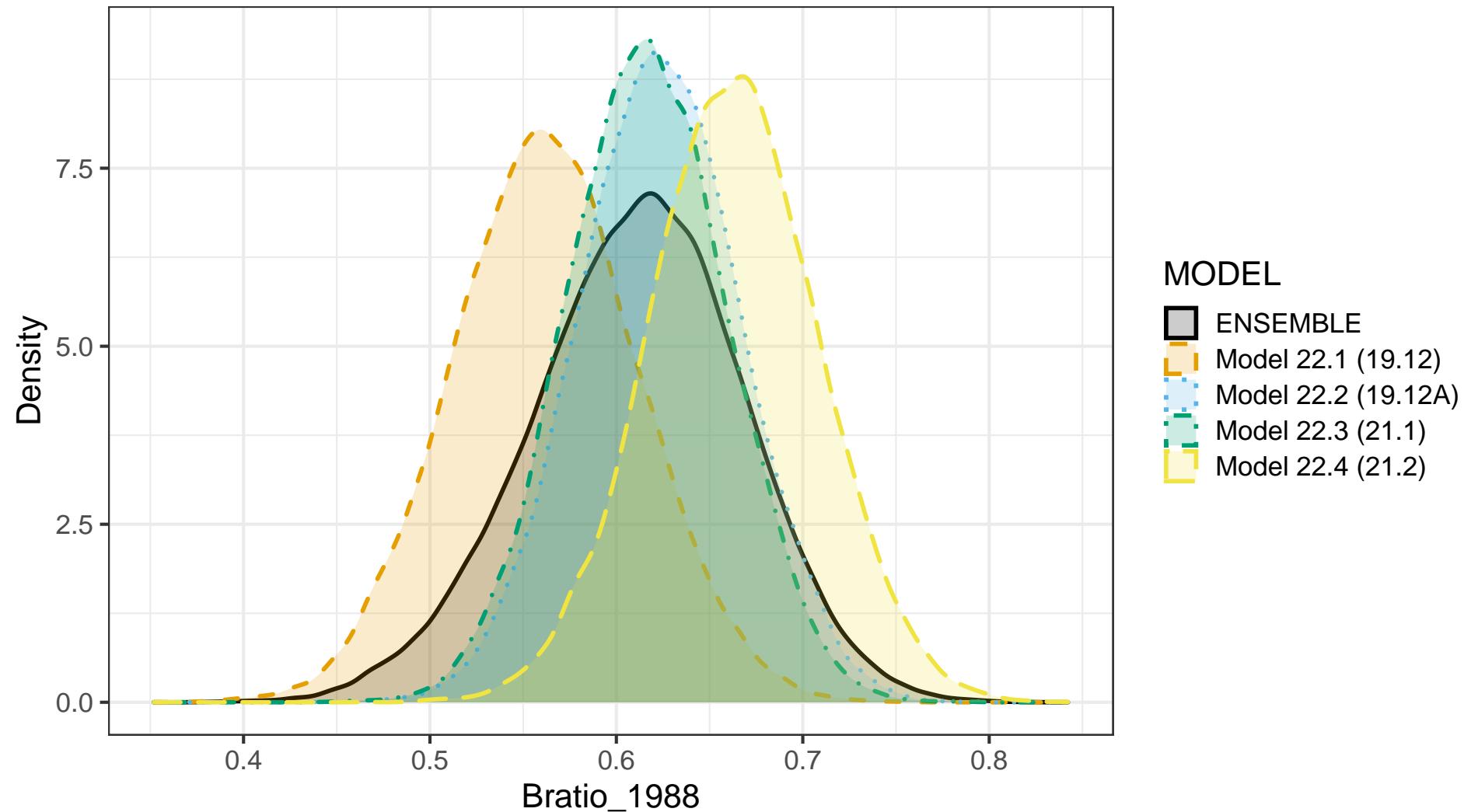
Bratio_1986



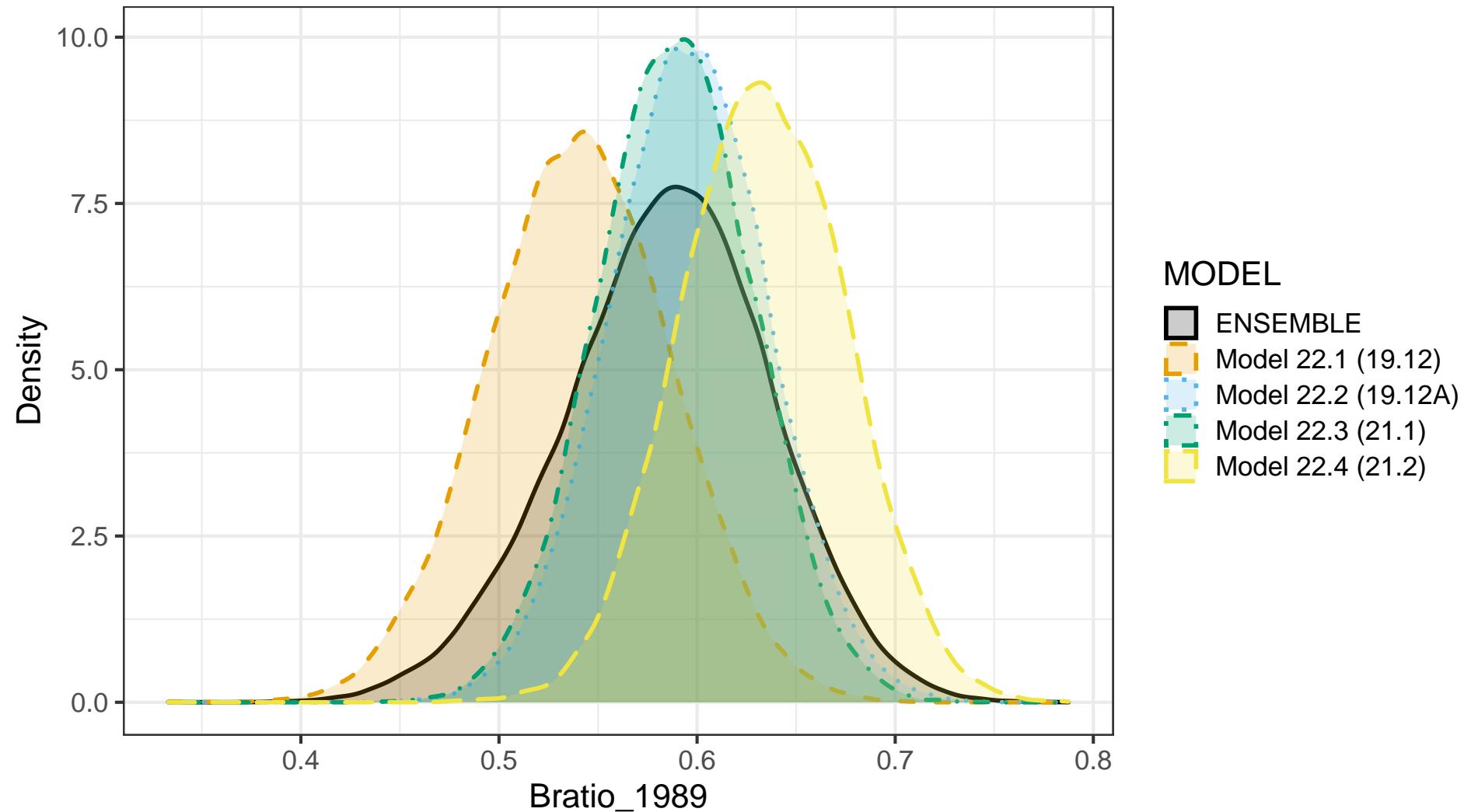
Bratio_1987



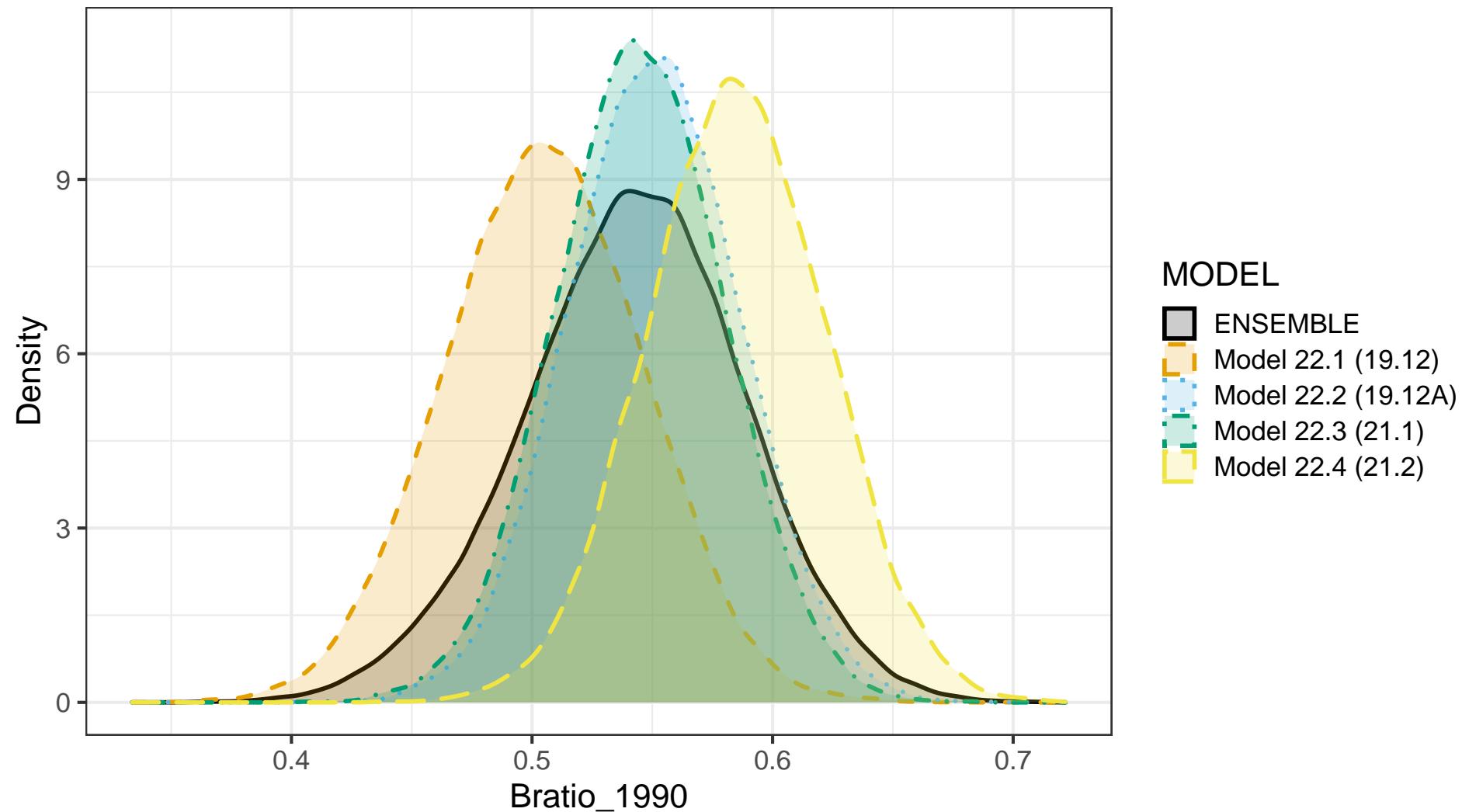
Bratio_1988



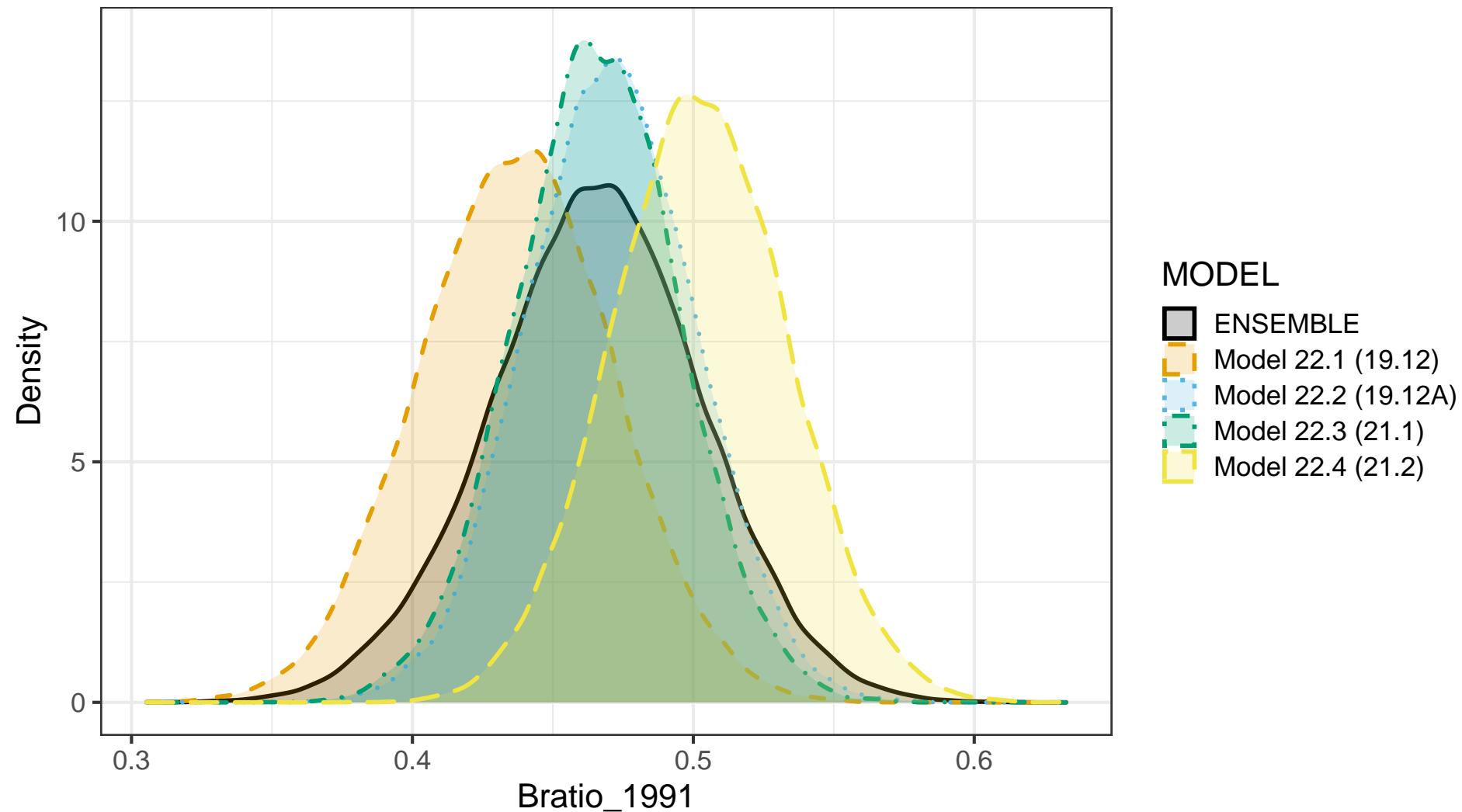
Bratio_1989



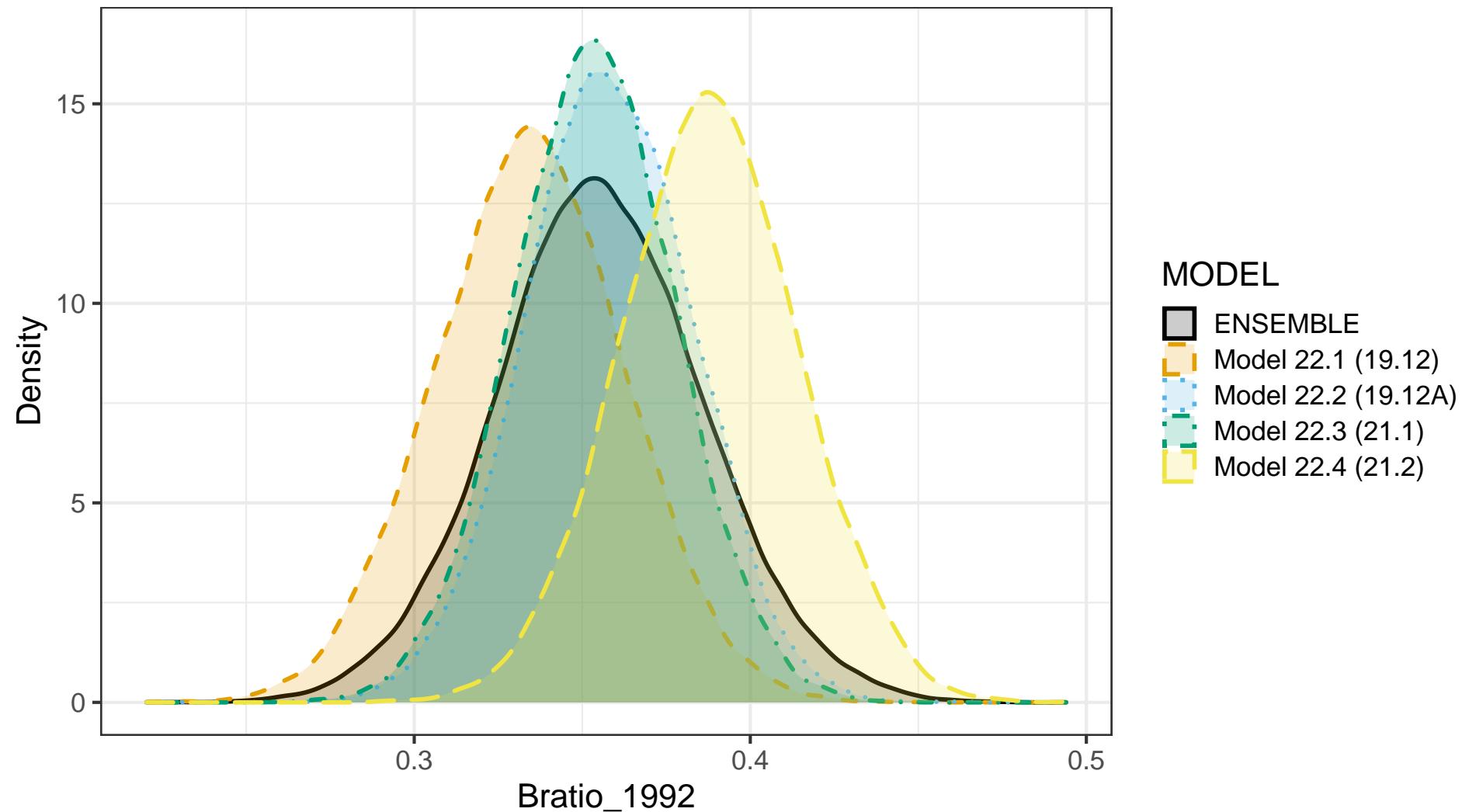
Bratio_1990



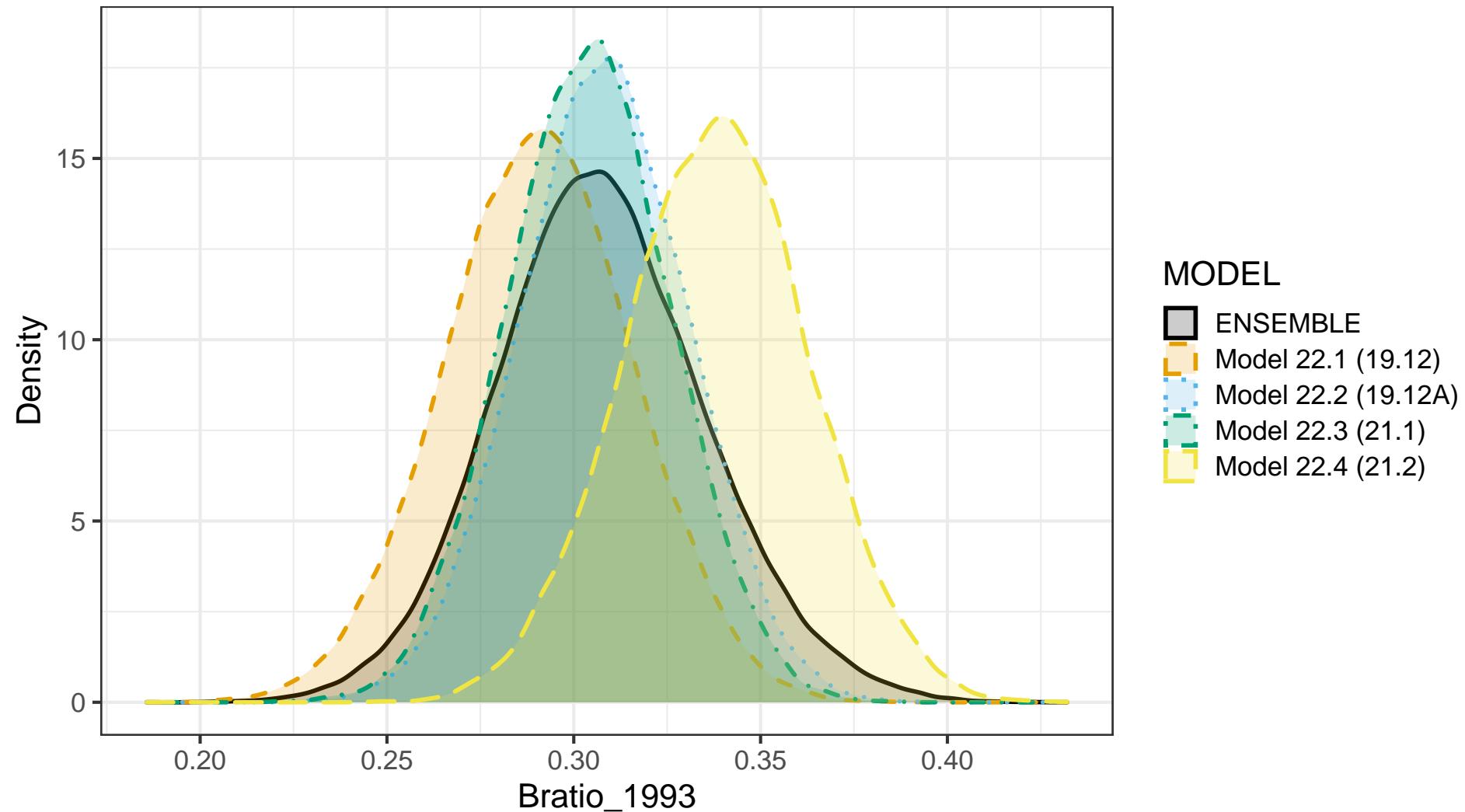
Bratio_1991



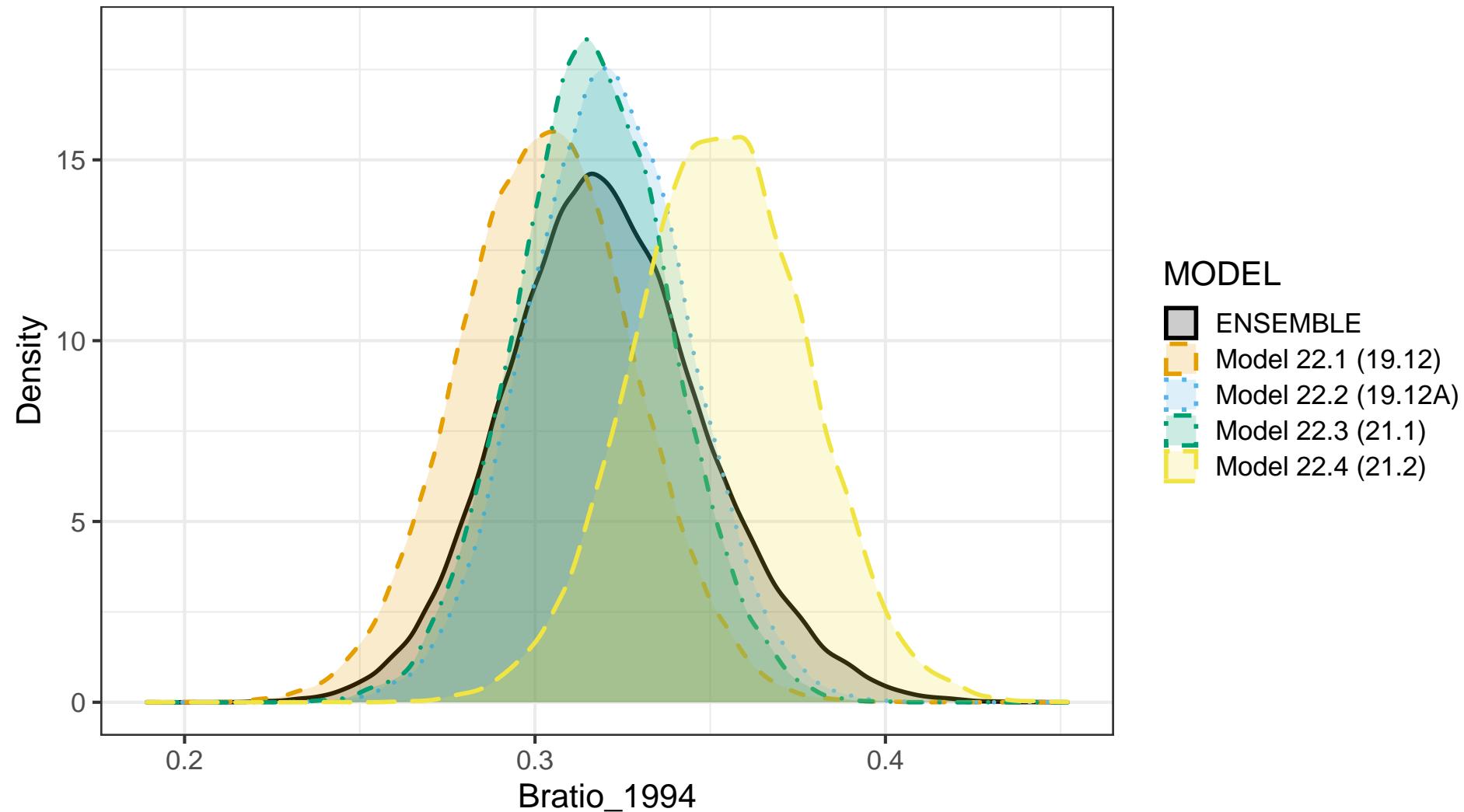
Bratio_1992



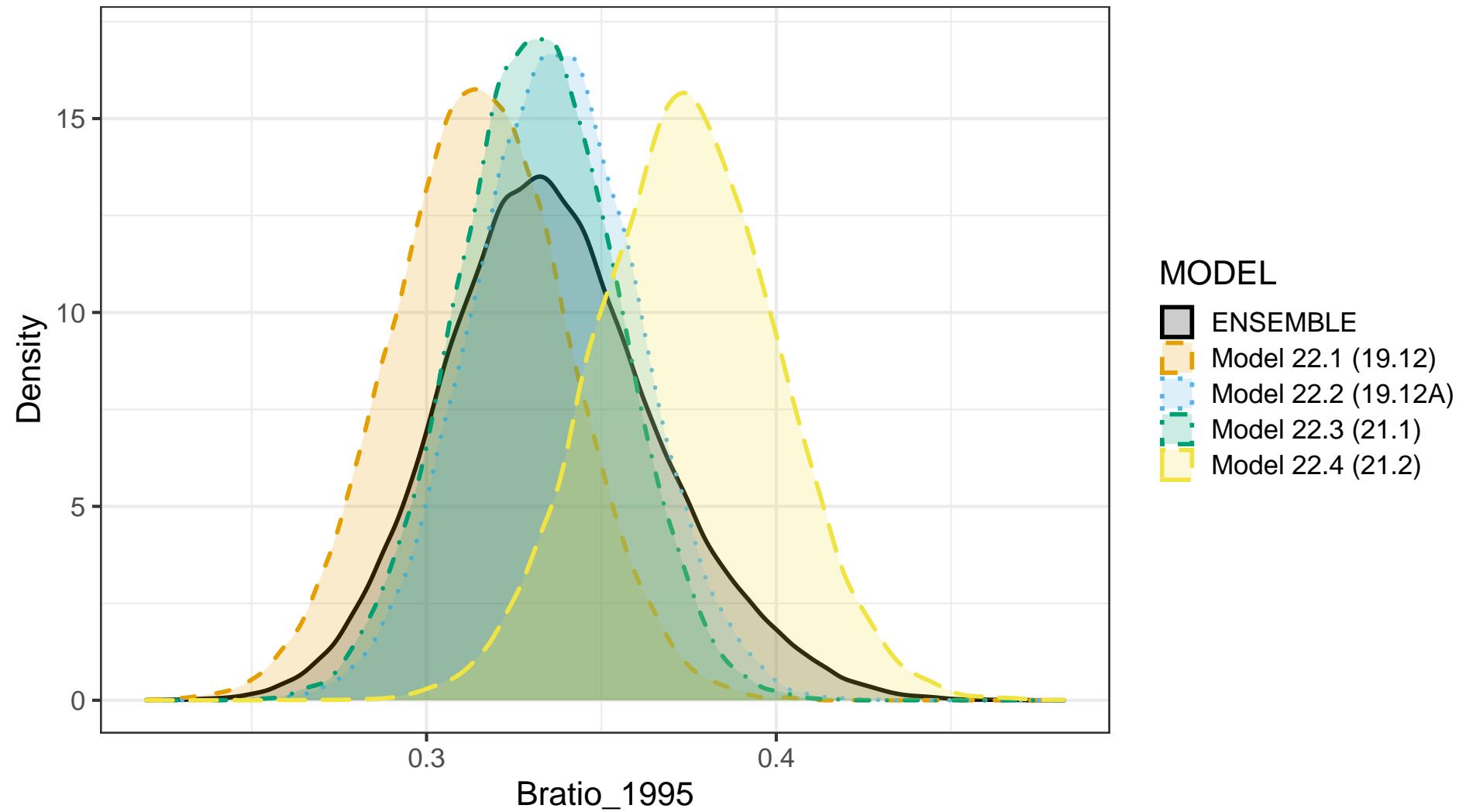
Bratio_1993



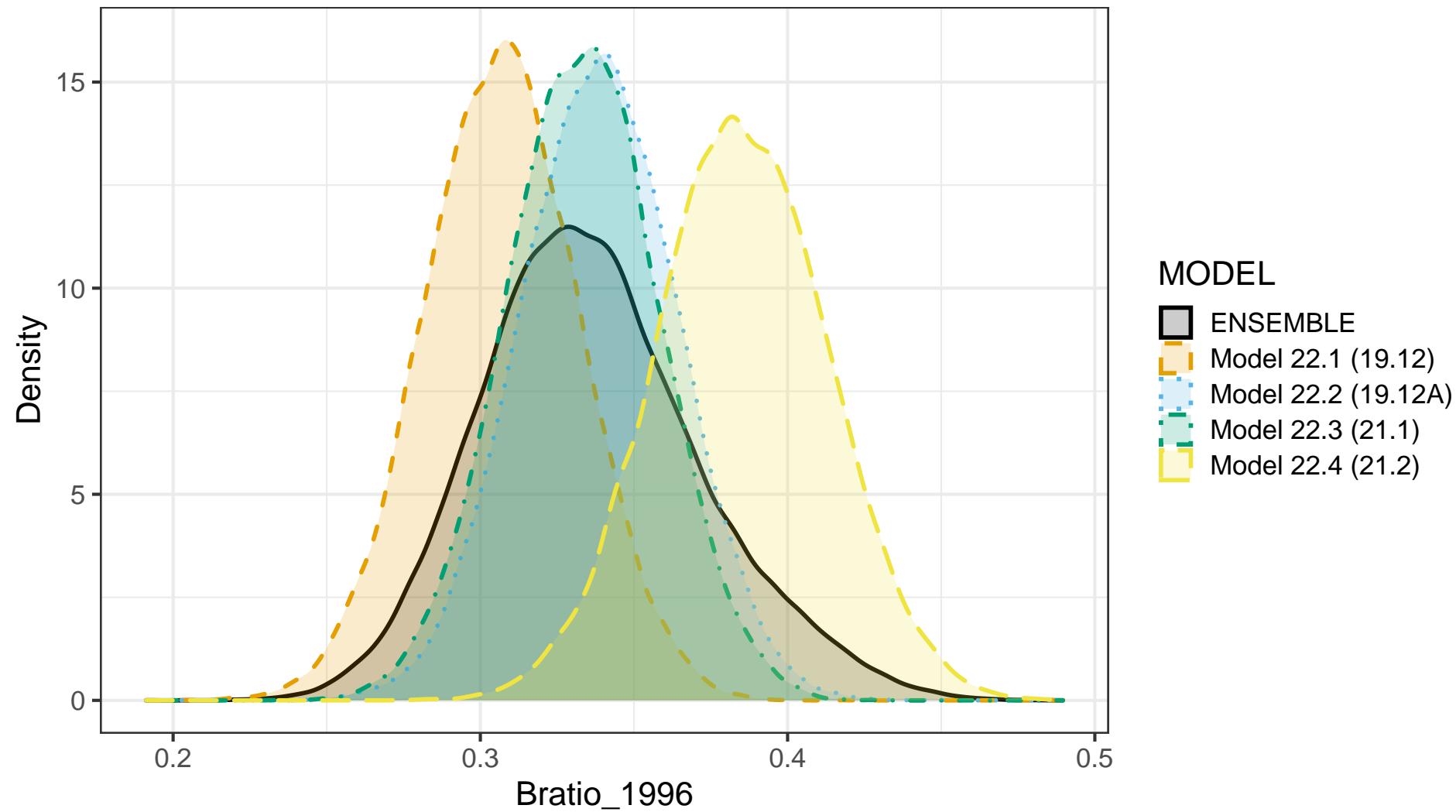
Bratio_1994



Bratio_1995



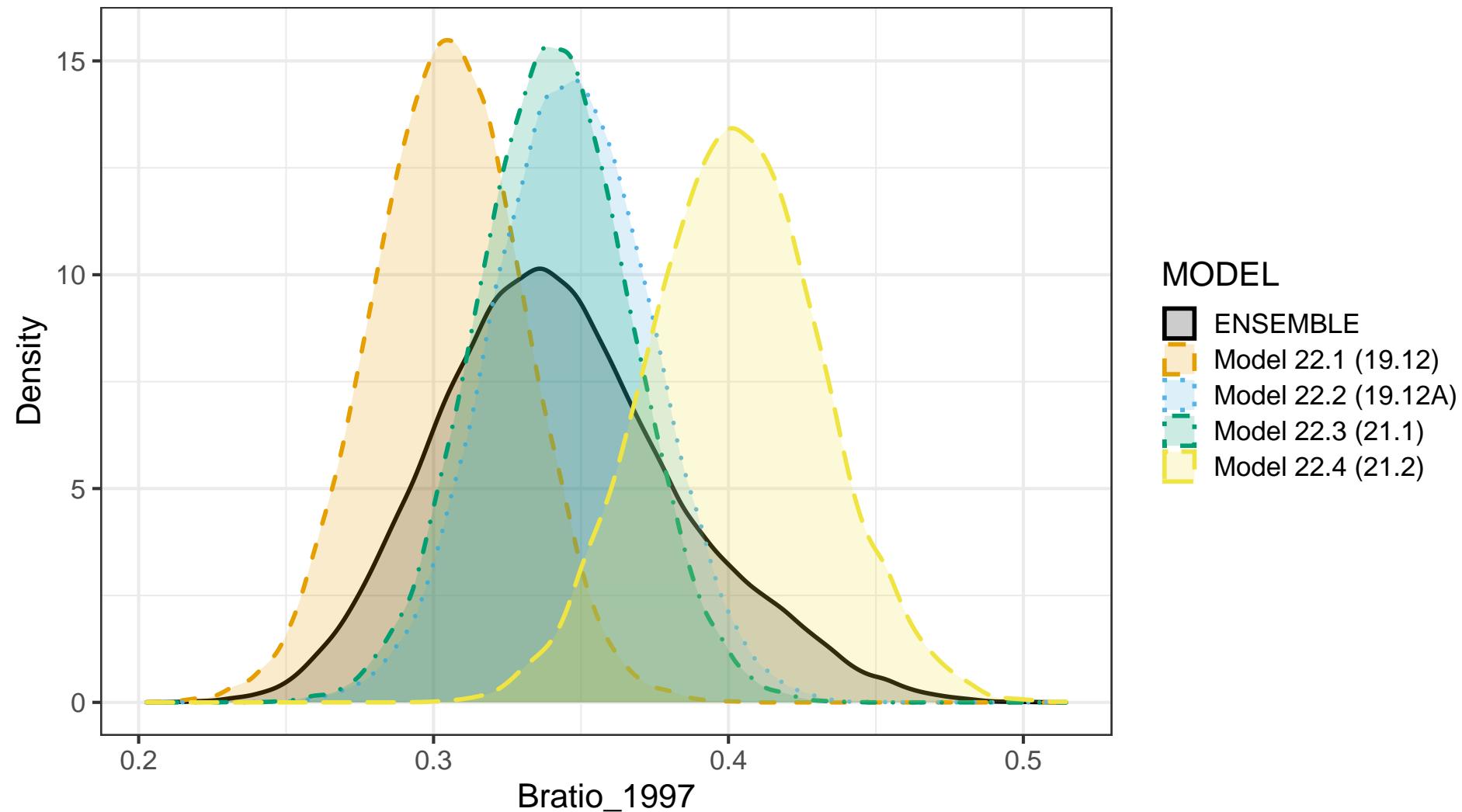
Bratio_1996



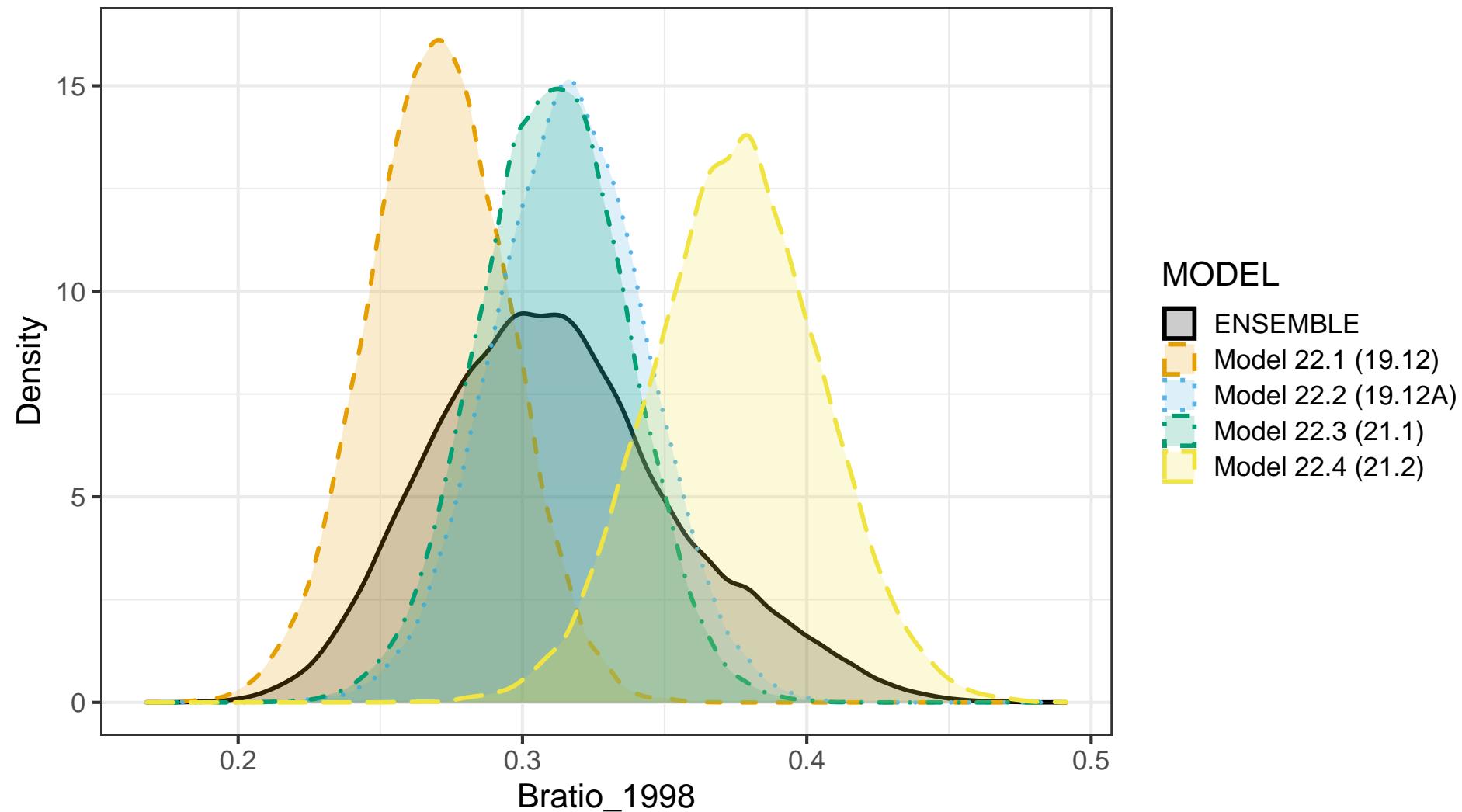
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

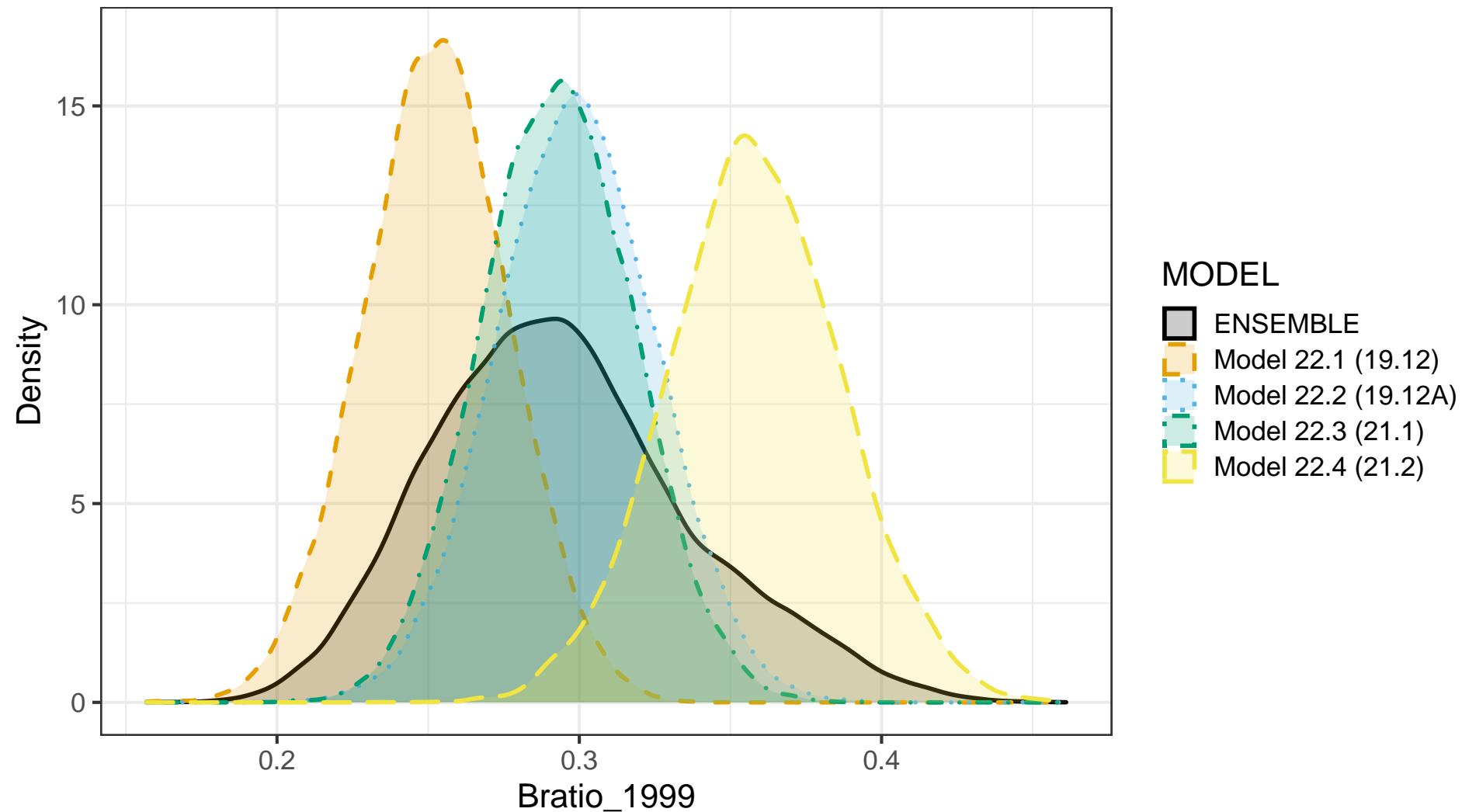
Bratio_1997



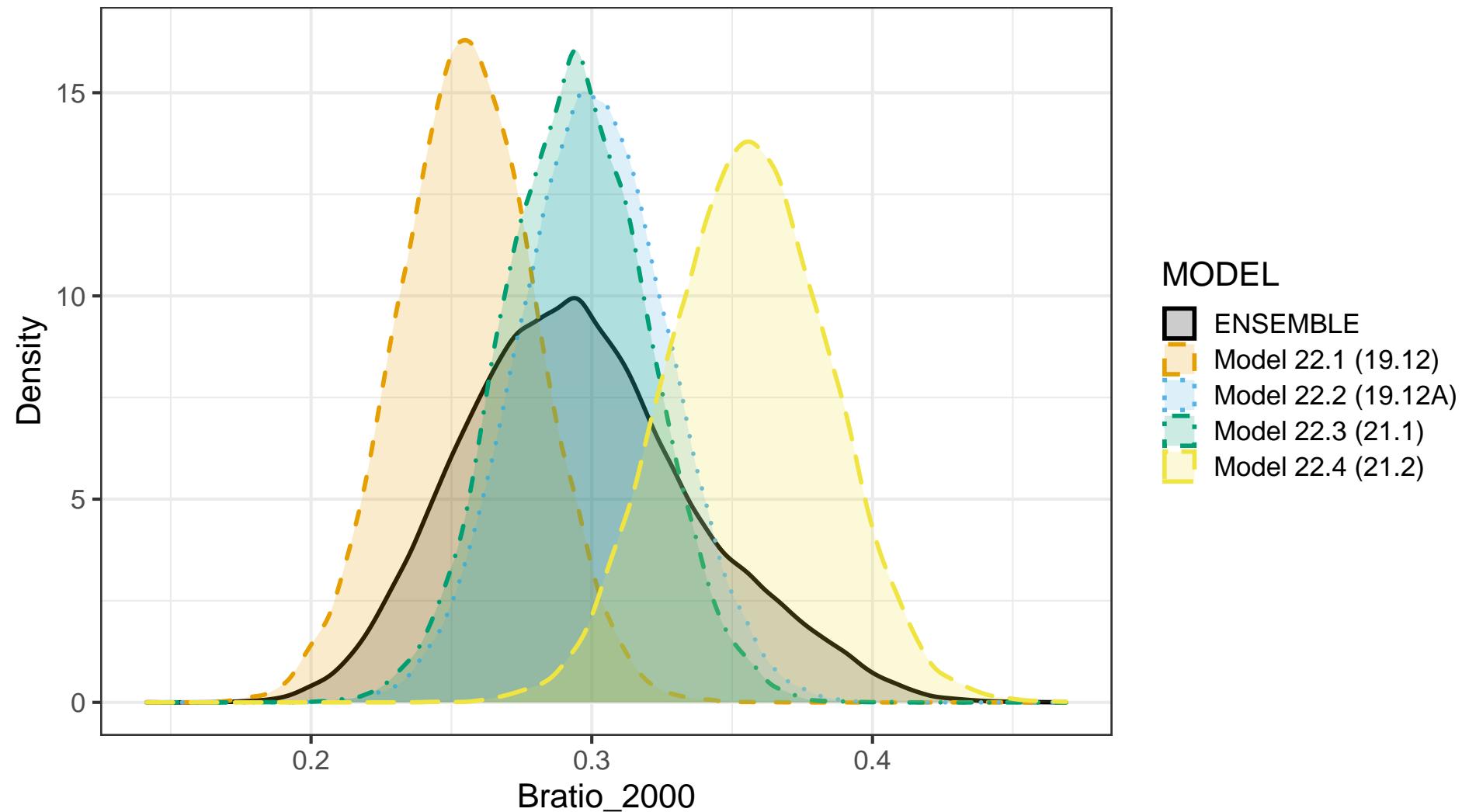
Bratio_1998



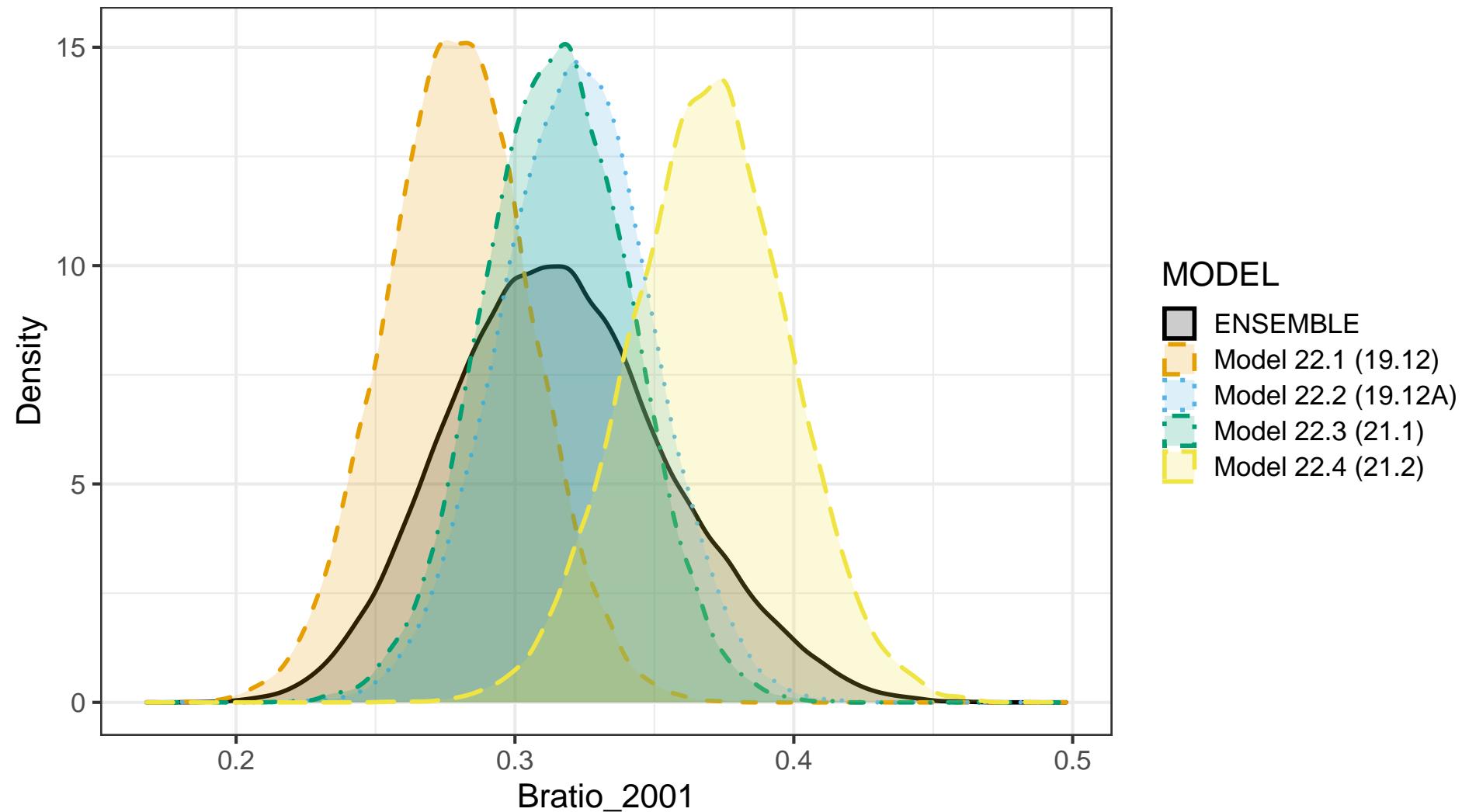
Bratio_1999



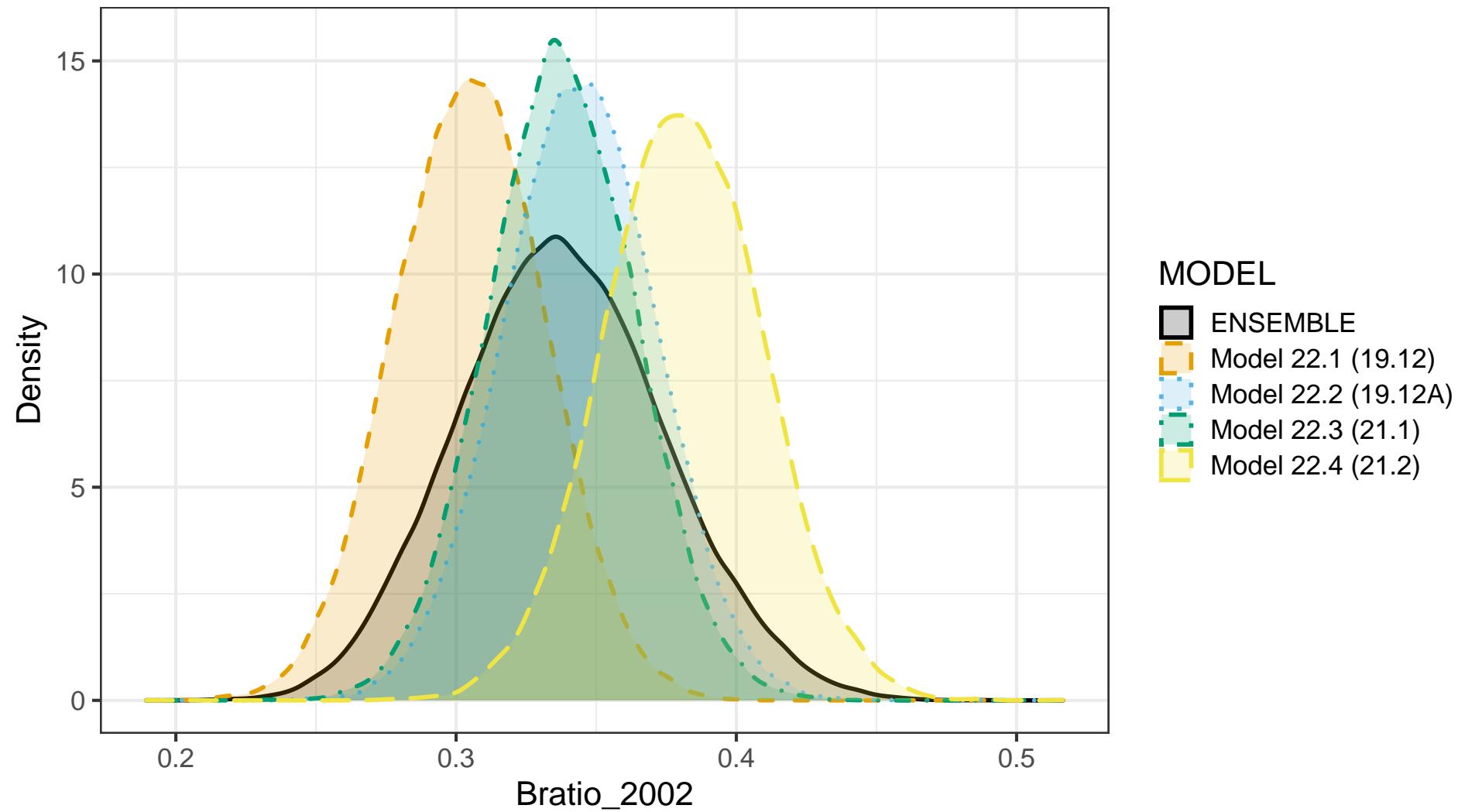
Bratio_2000



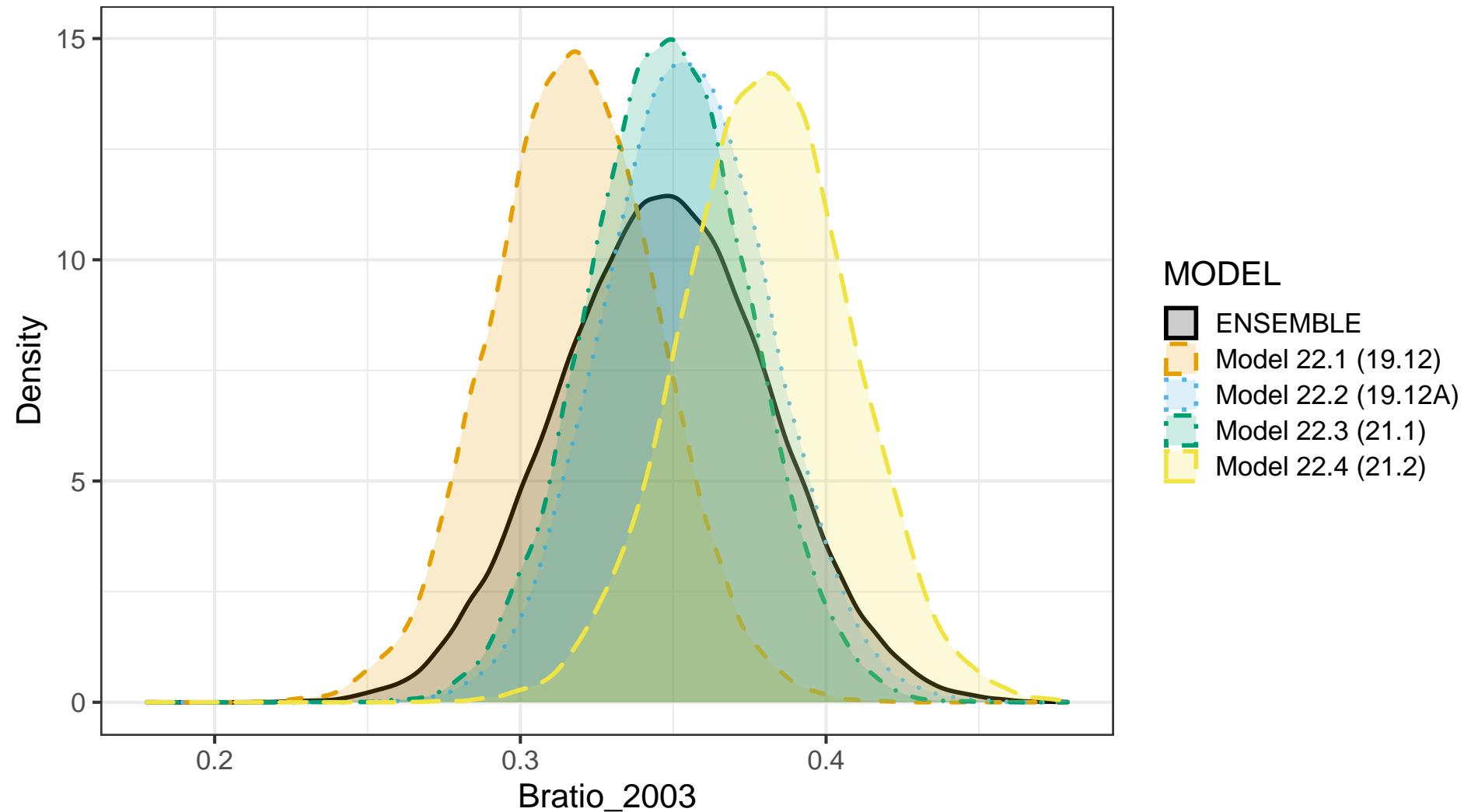
Bratio_2001



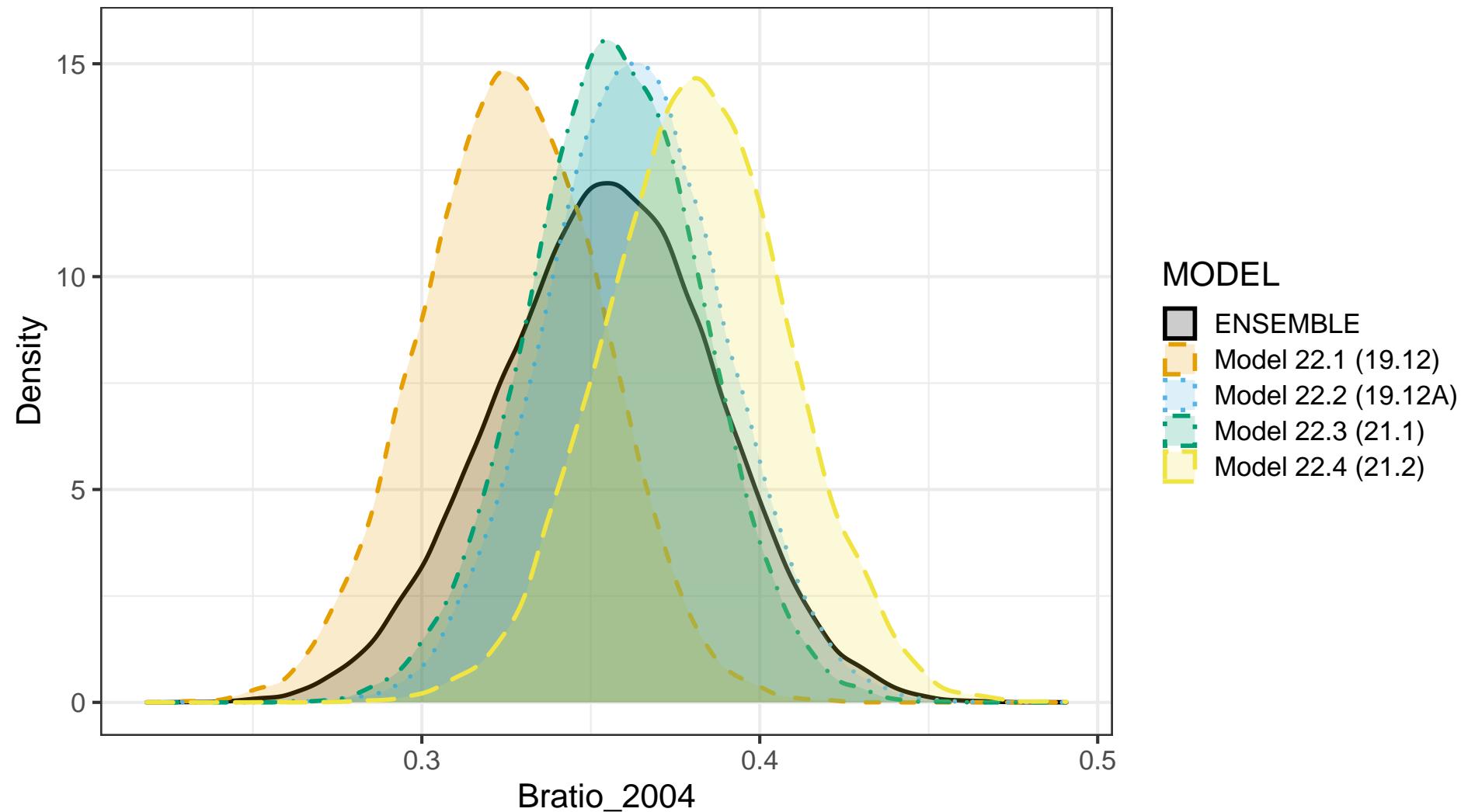
Bratio_2002



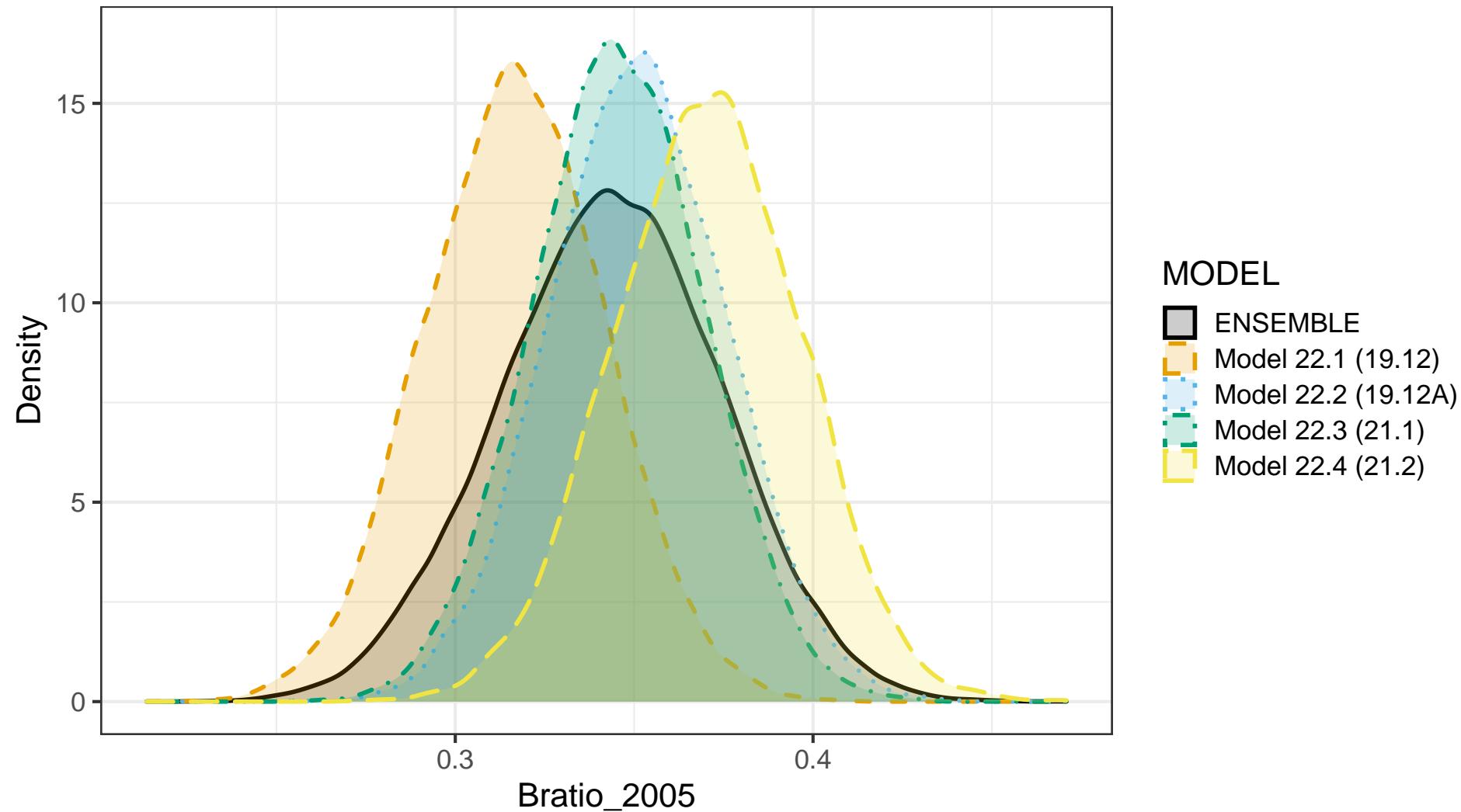
Bratio_2003



Bratio_2004



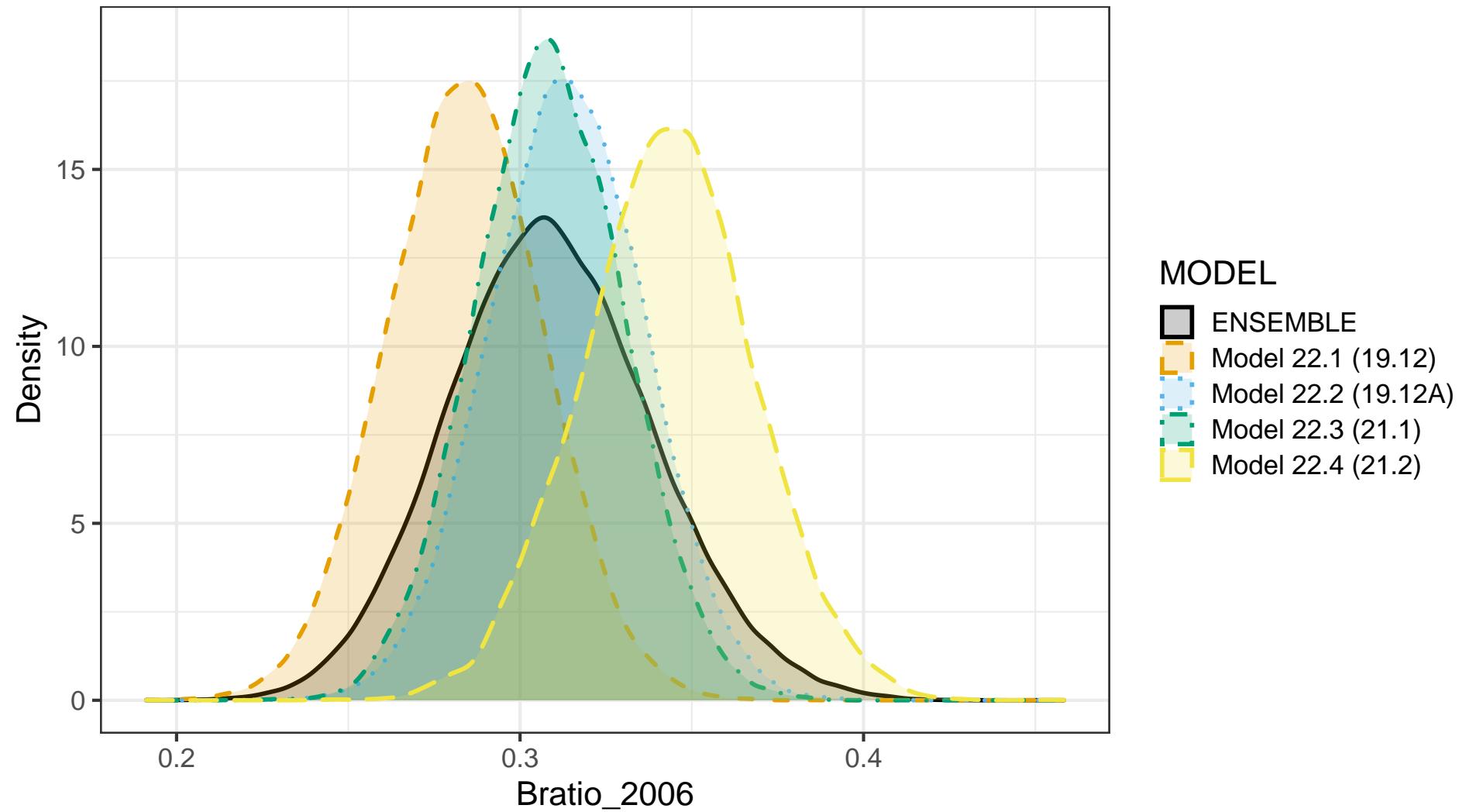
Bratio_2005



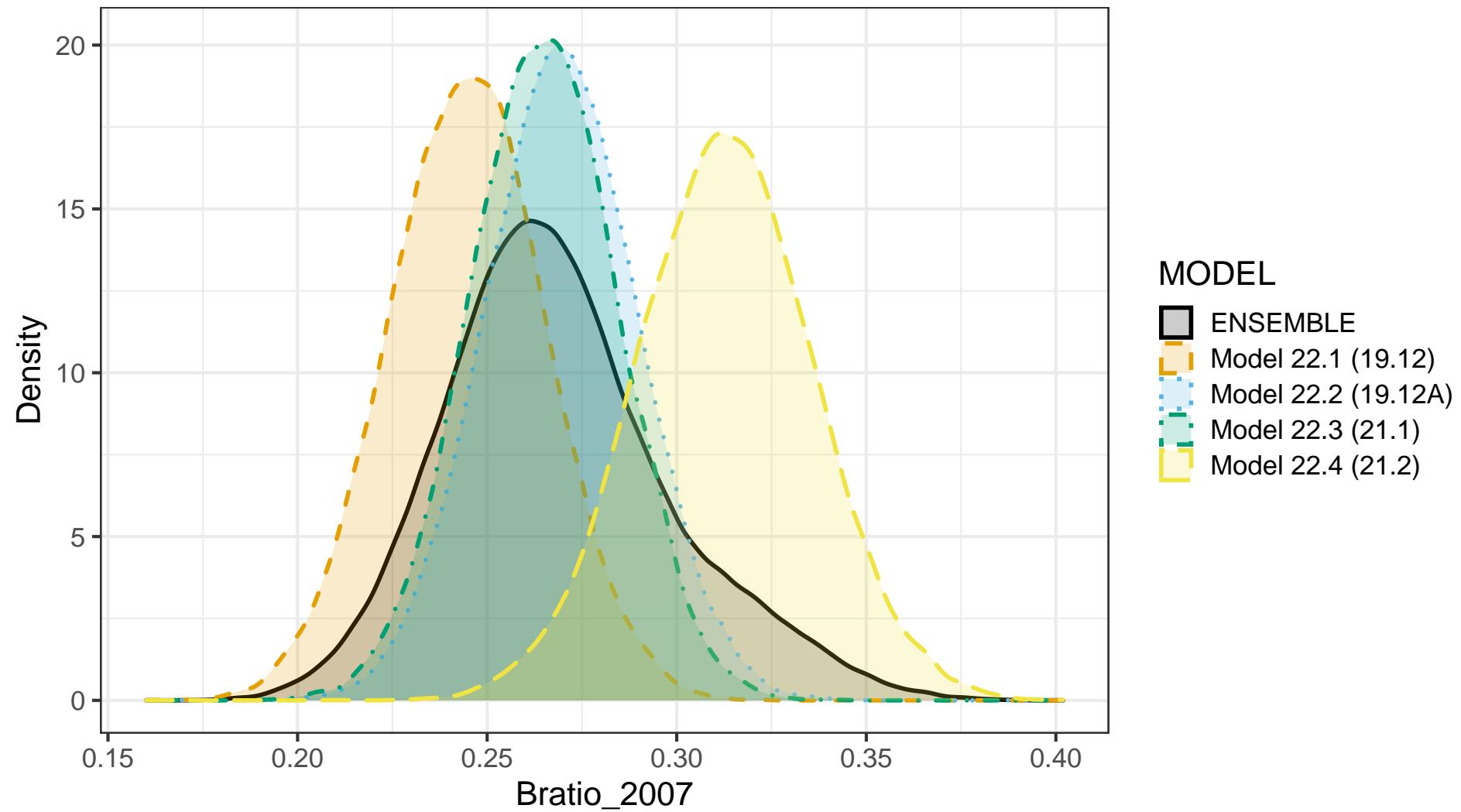
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

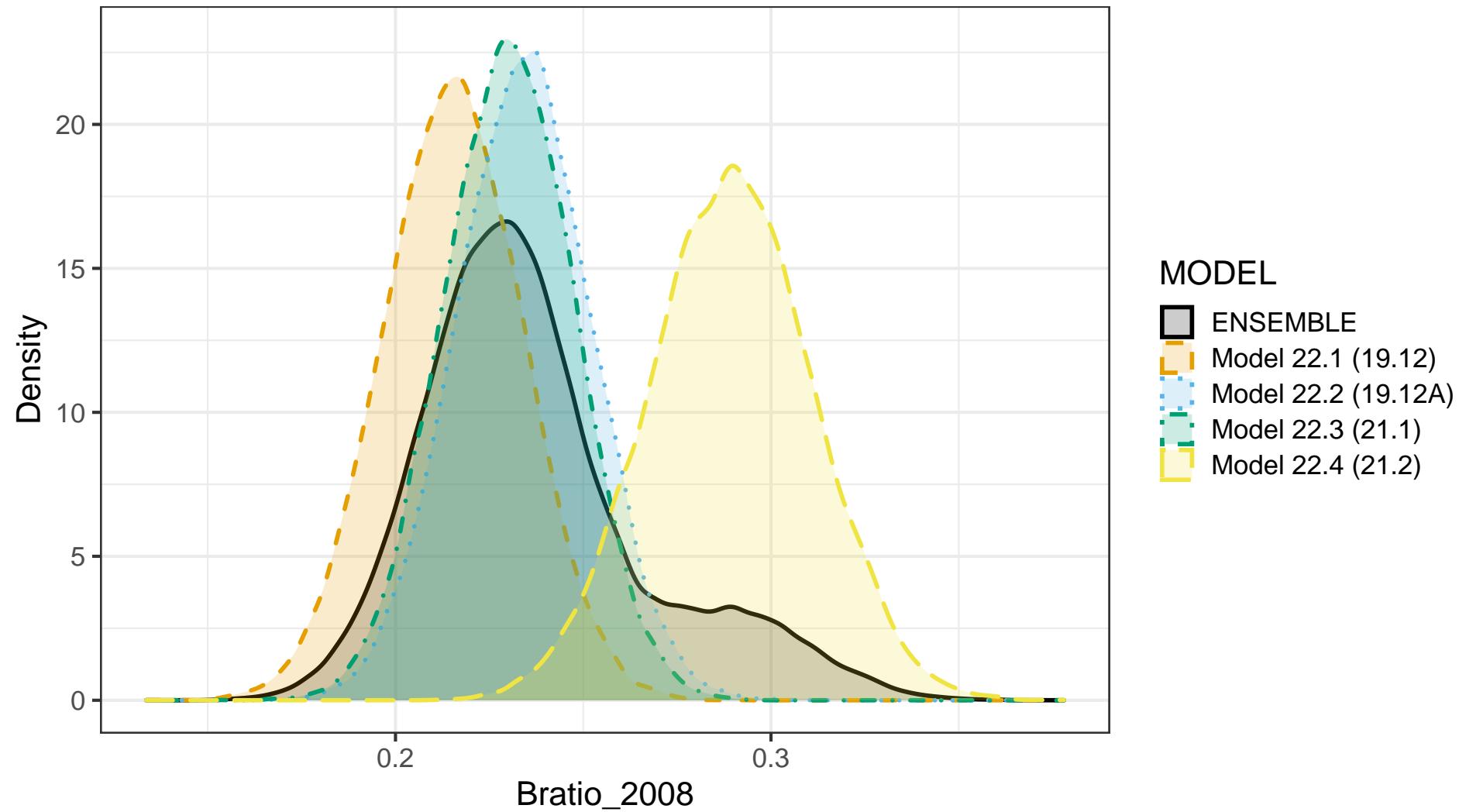
Bratio_2006



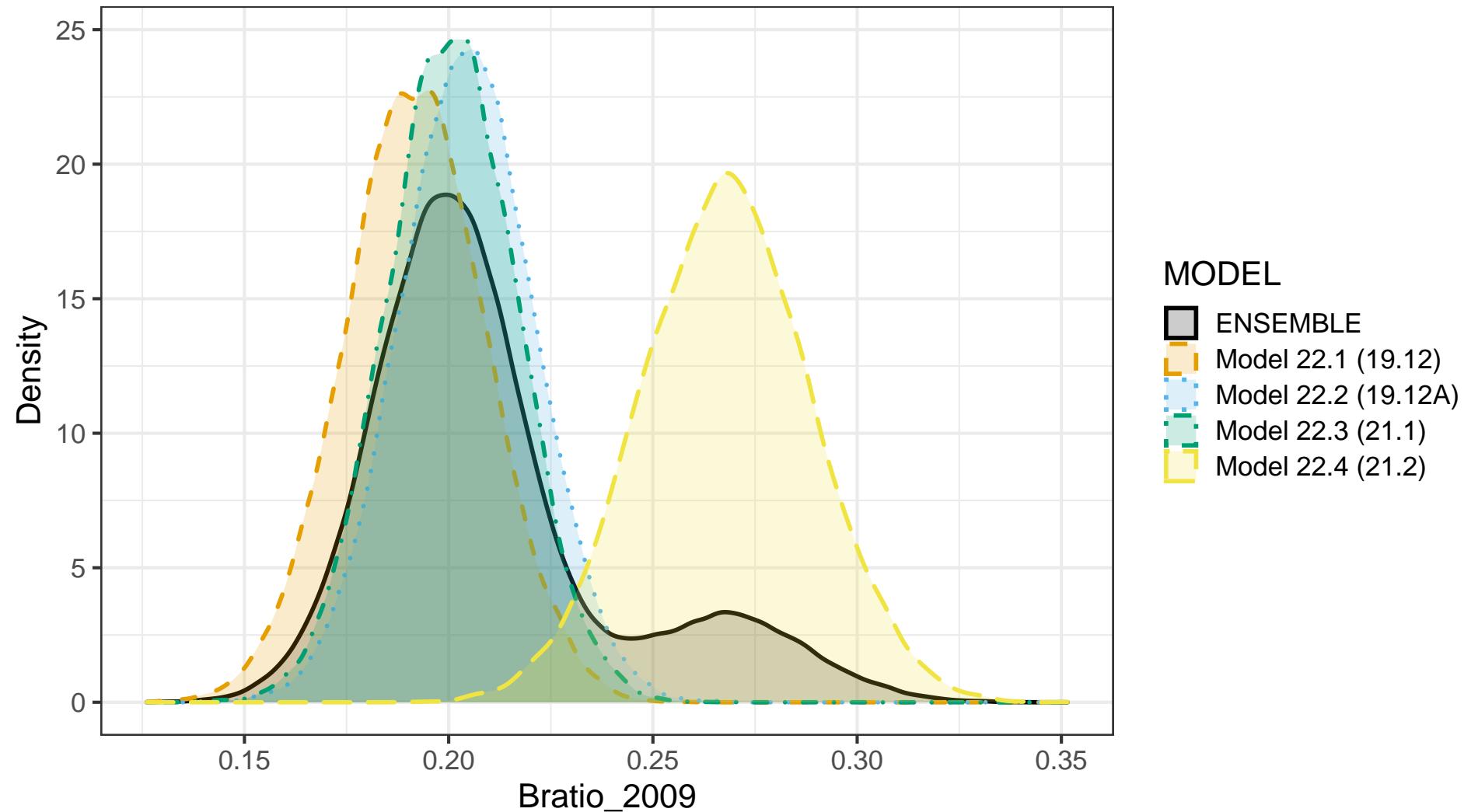
Bratio_2007



Bratio_2008



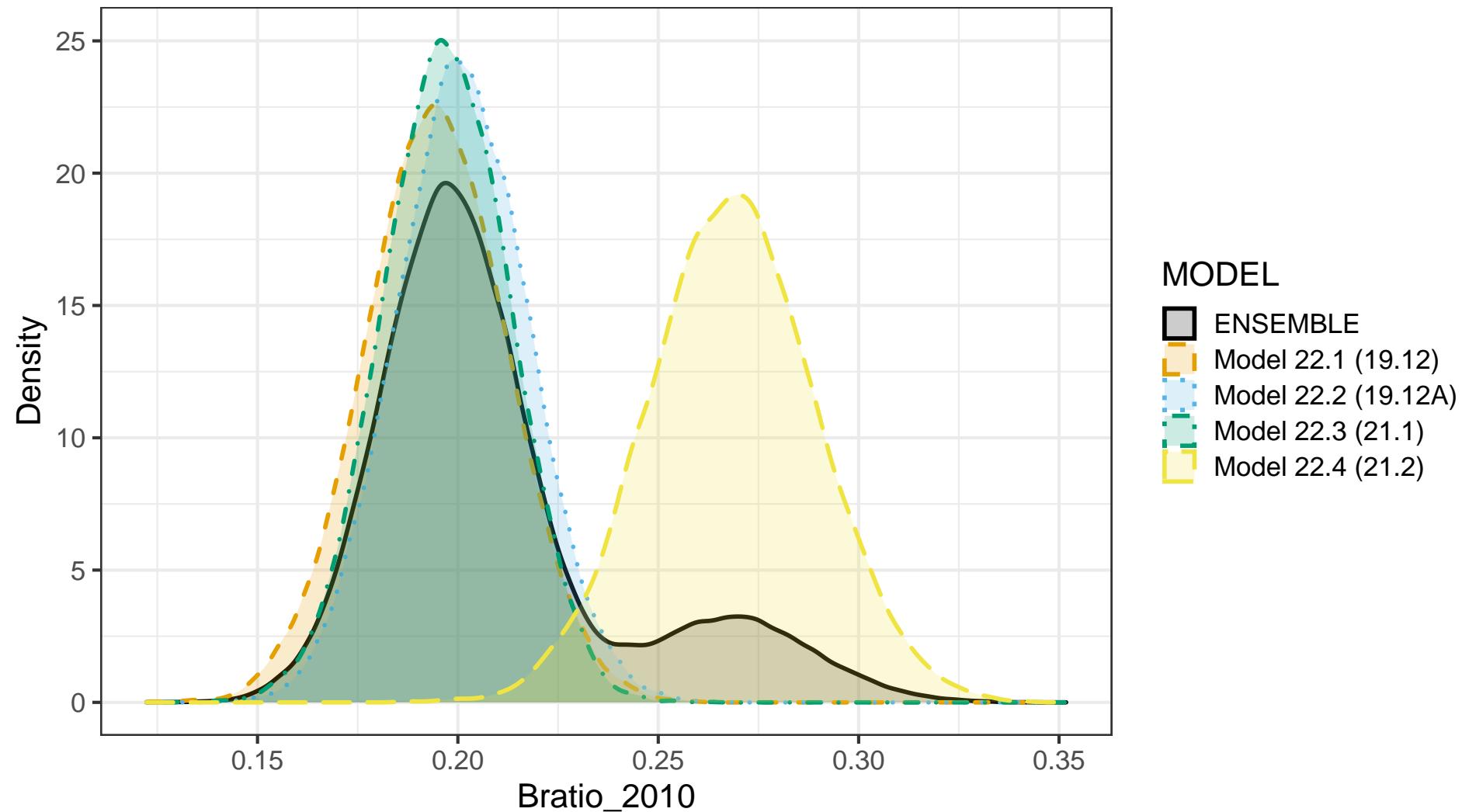
Bratio_2009



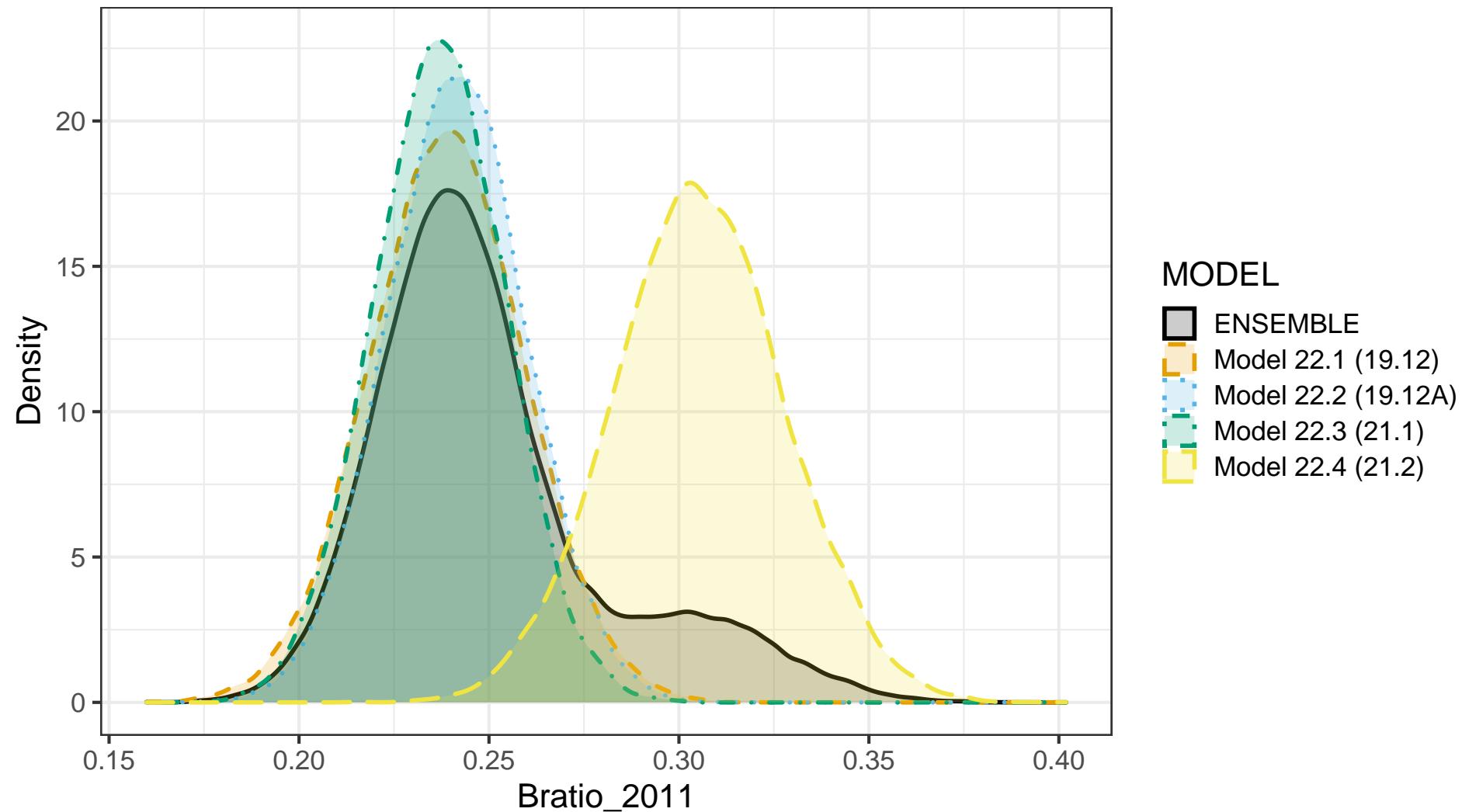
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

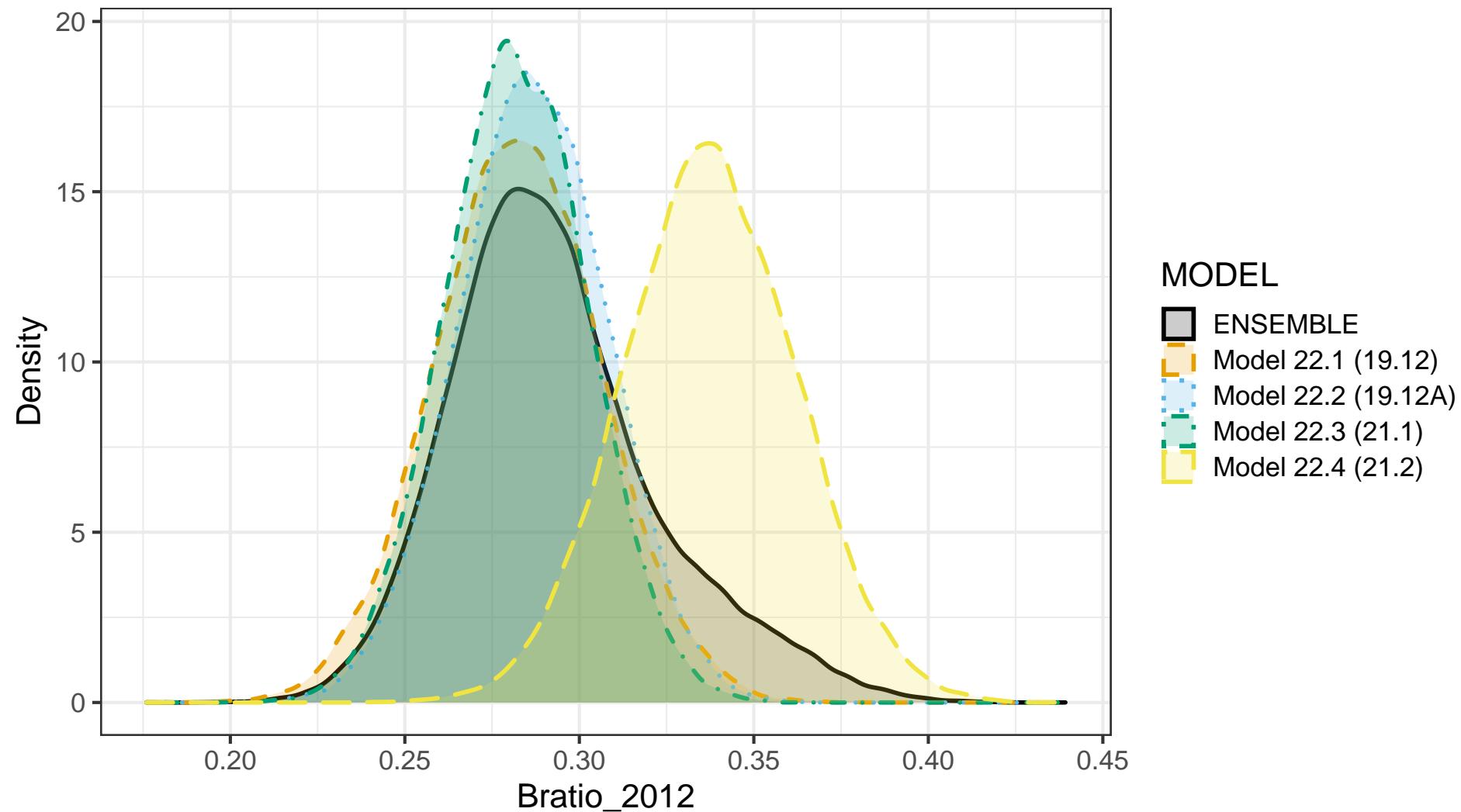
Bratio_2010



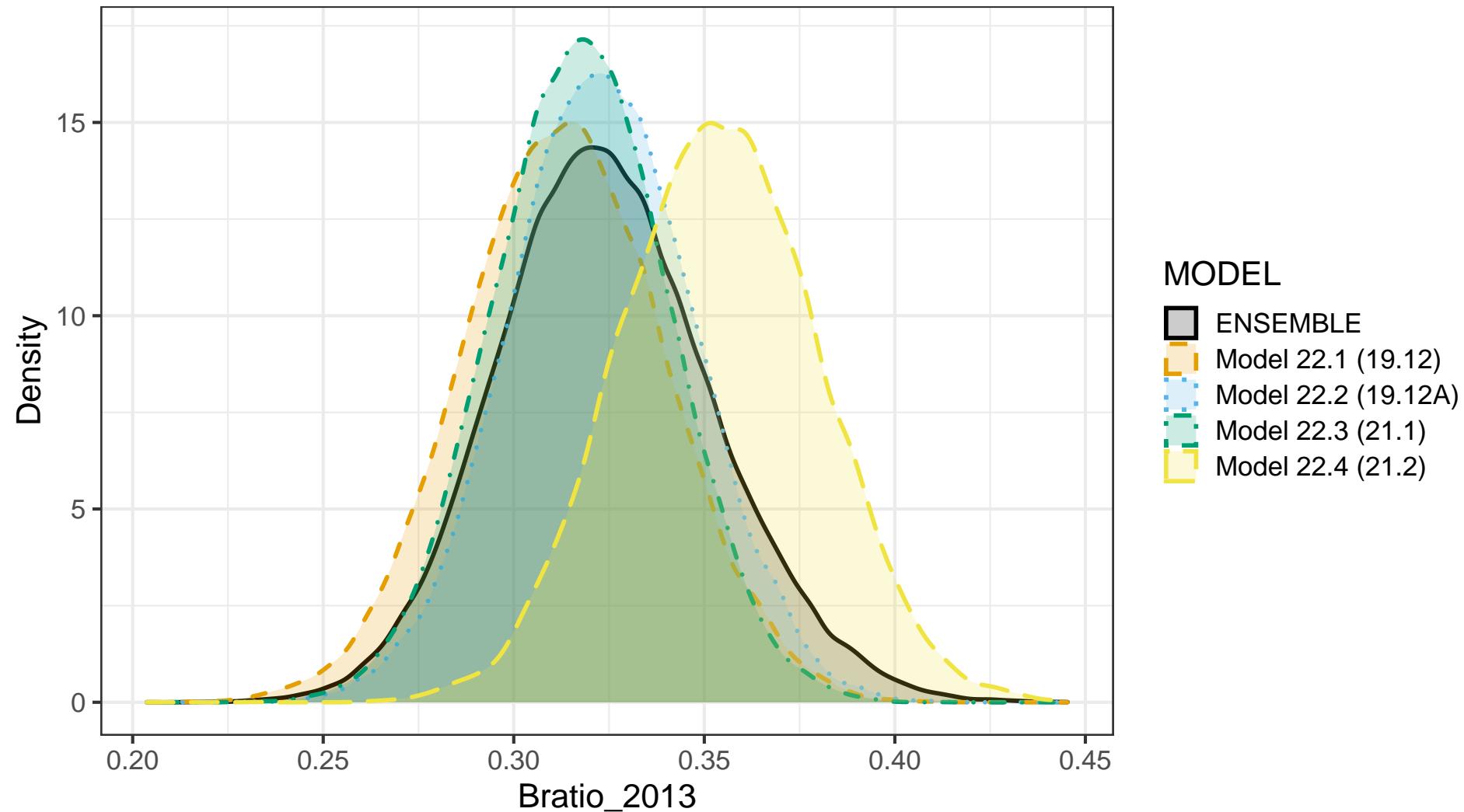
Bratio_2011



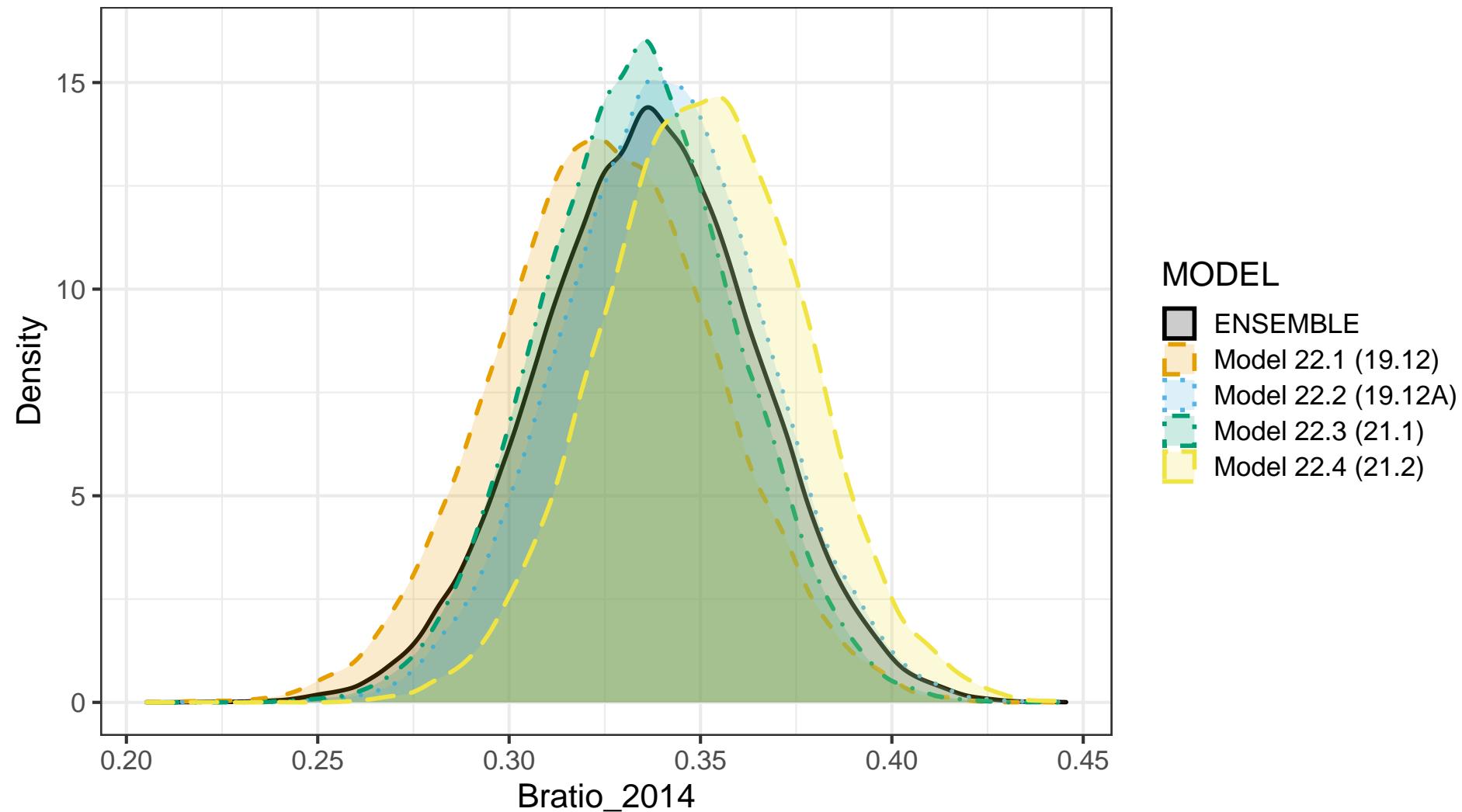
Bratio_2012



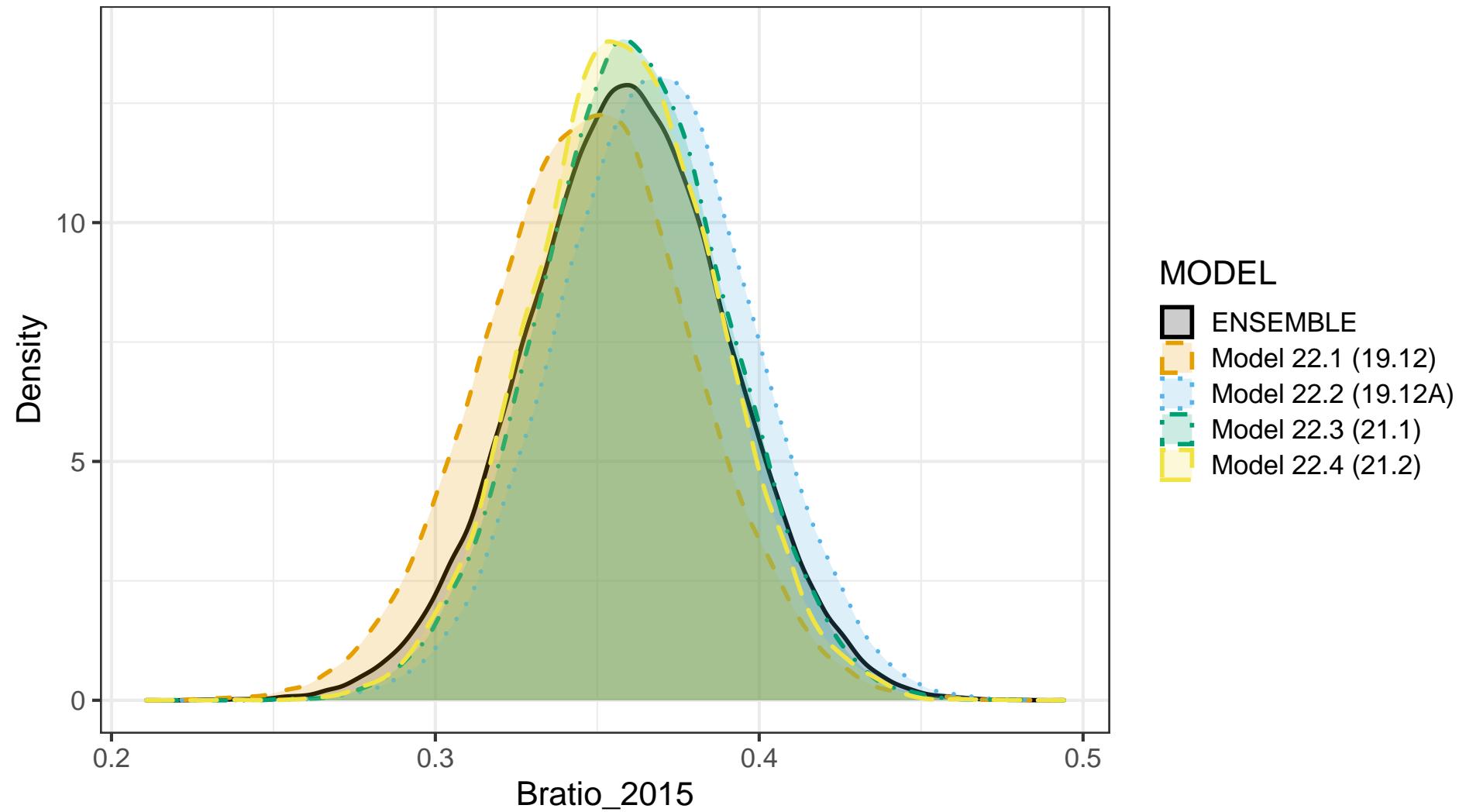
Bratio_2013



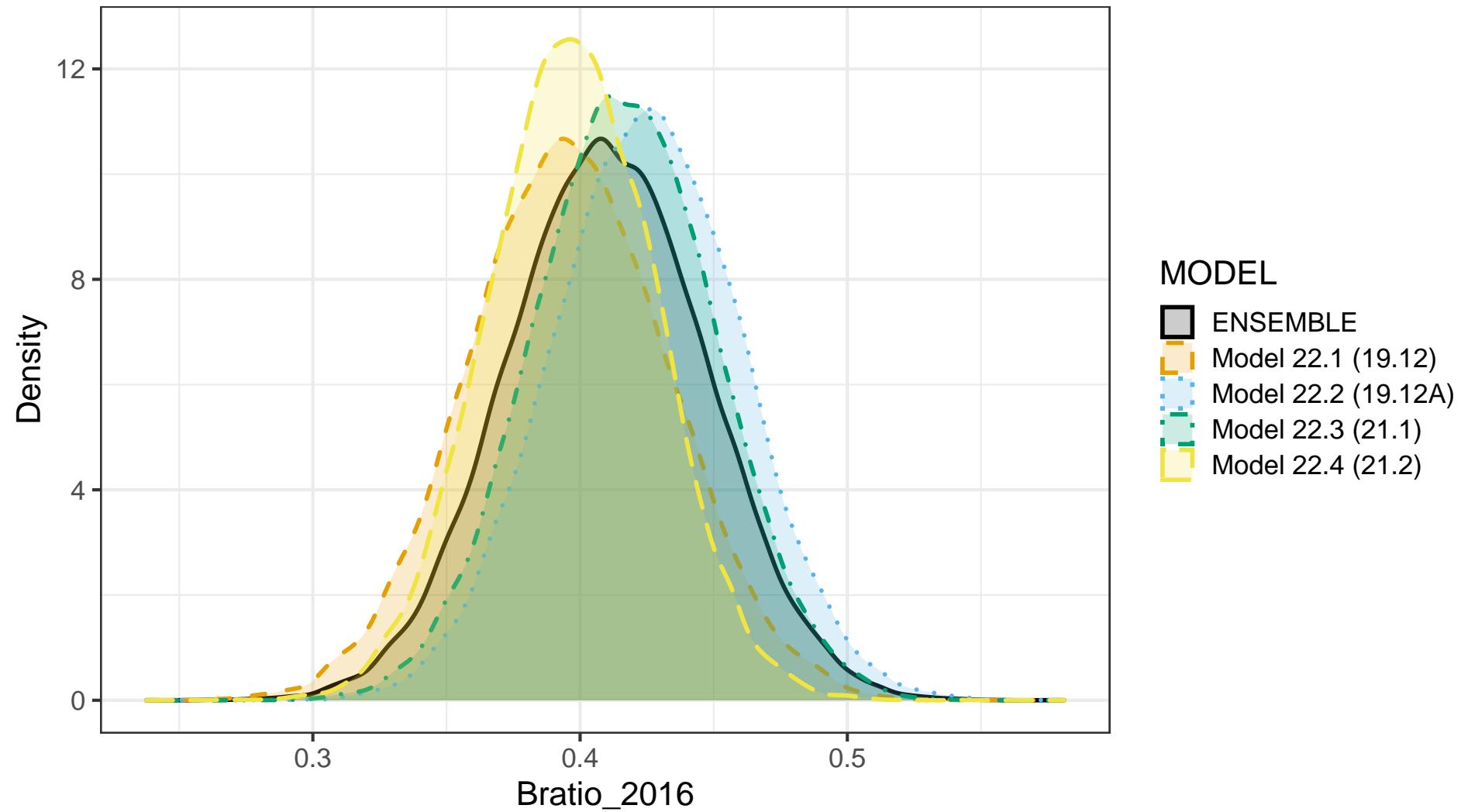
Bratio_2014



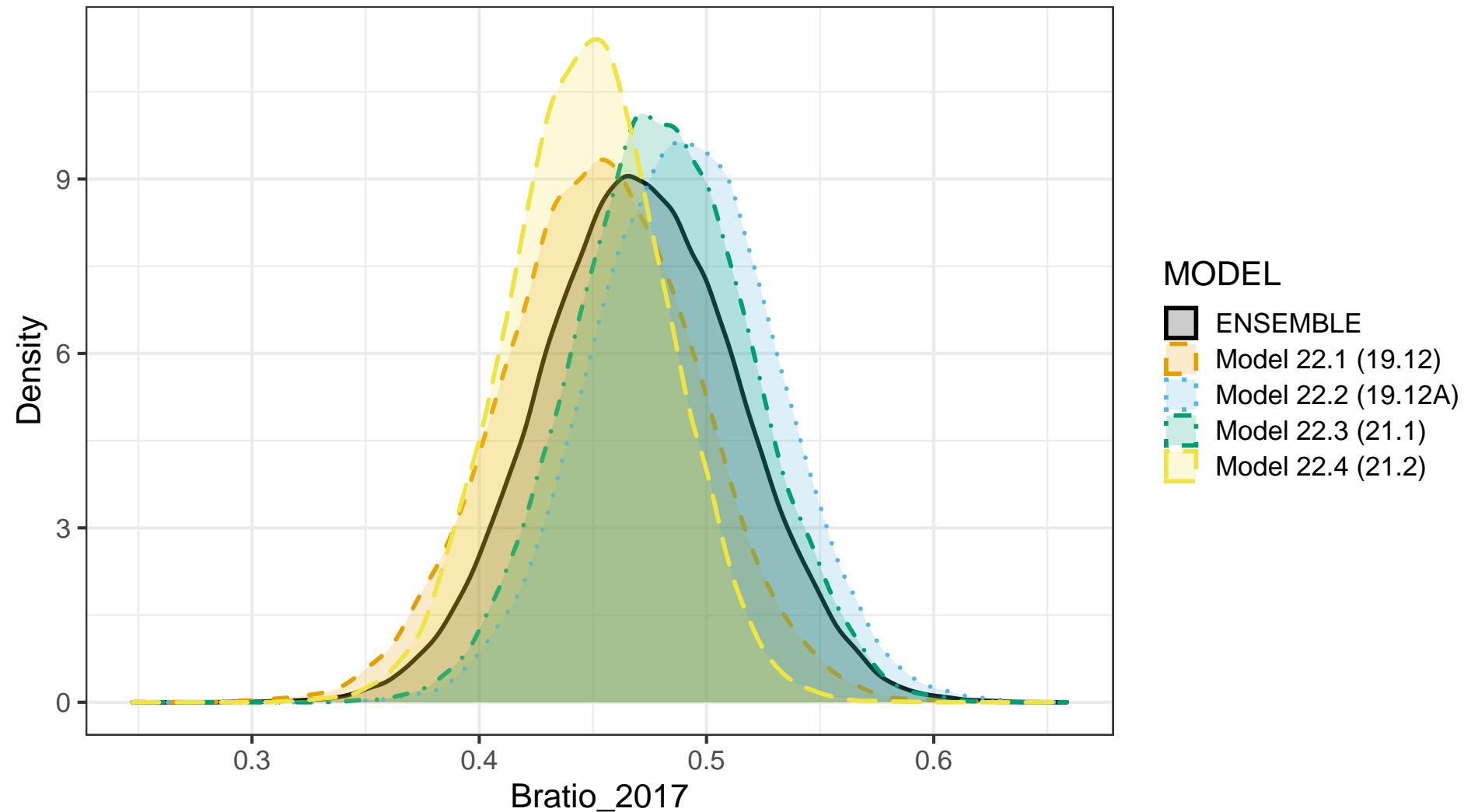
Bratio_2015



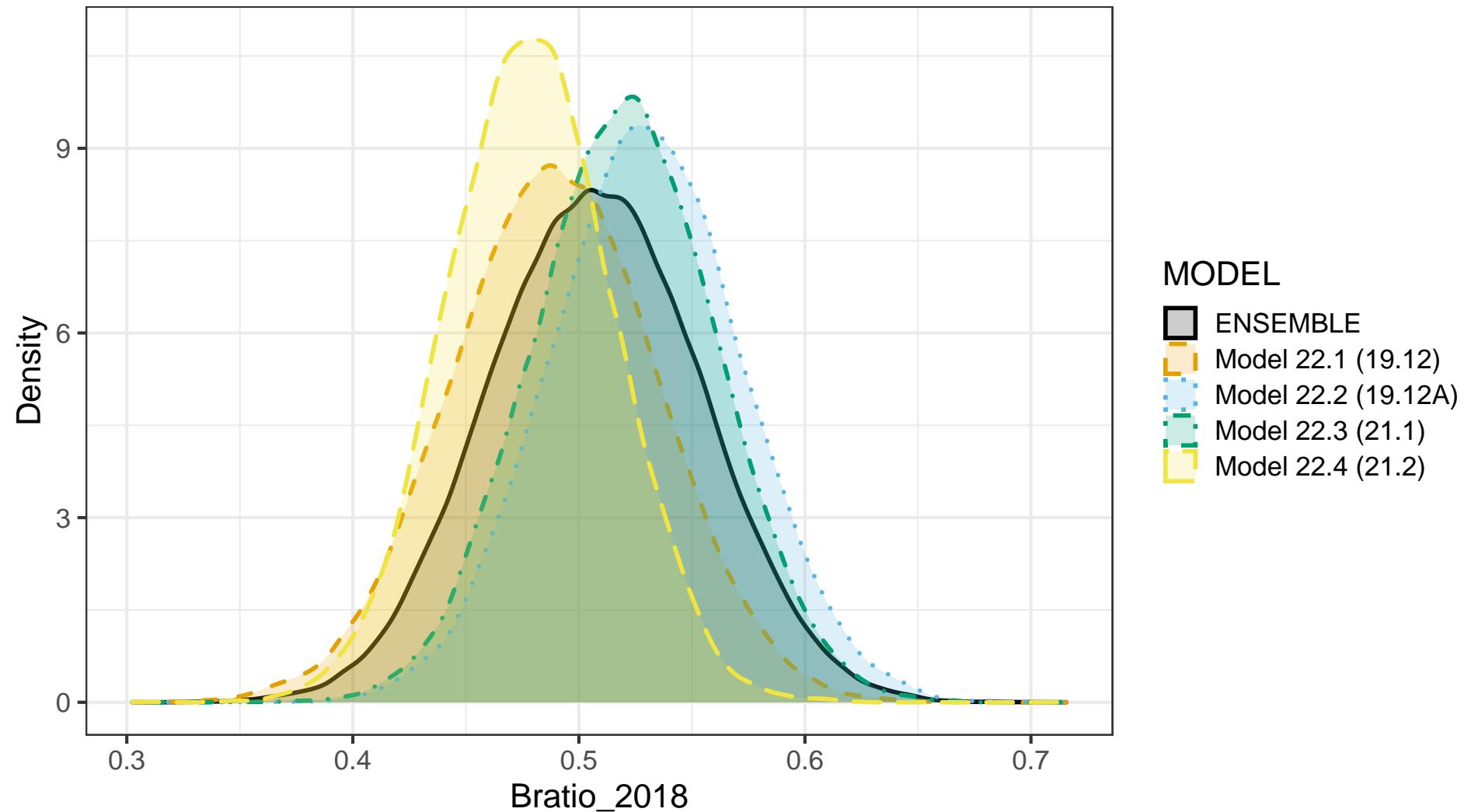
Bratio_2016



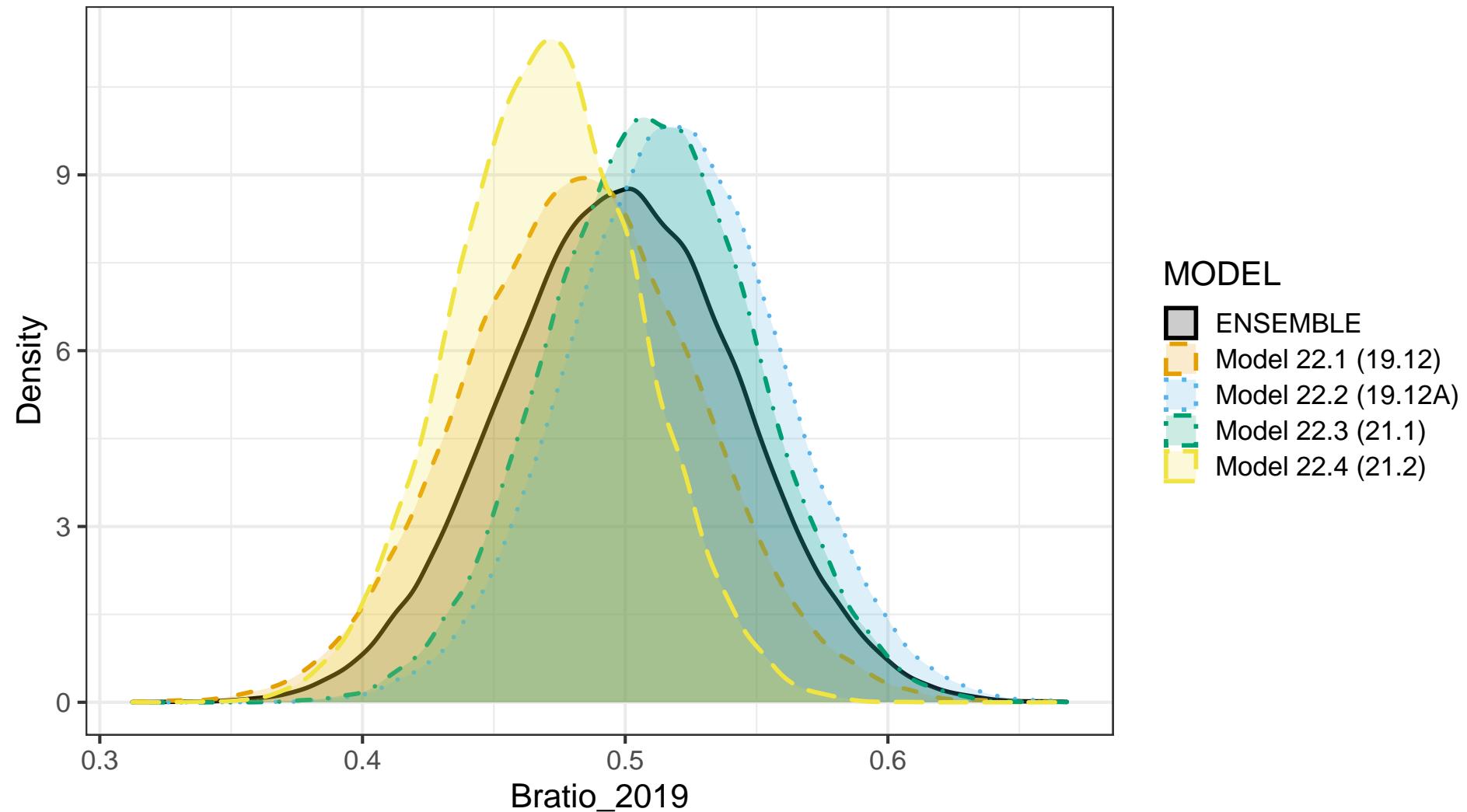
Bratio_2017



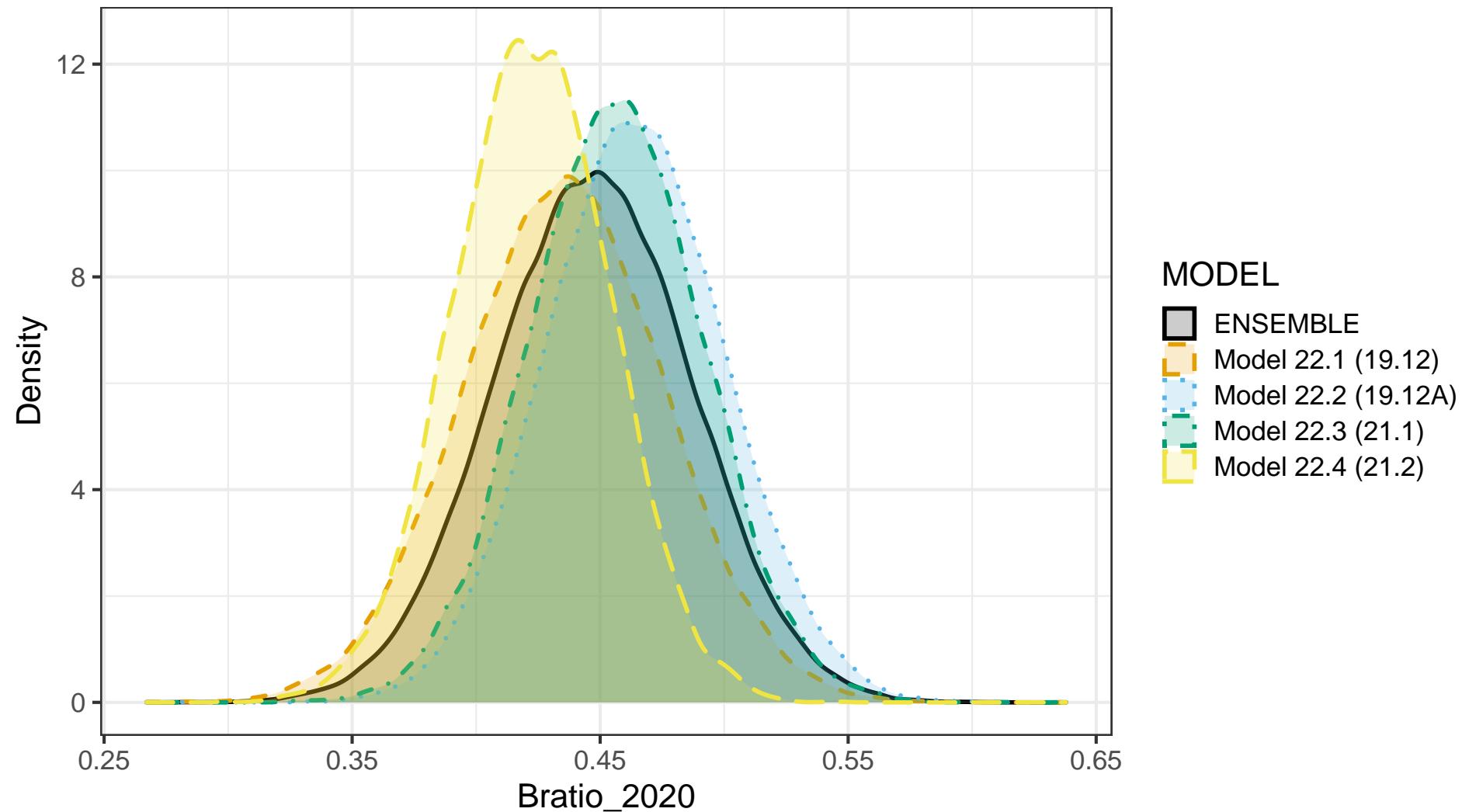
Bratio_2018



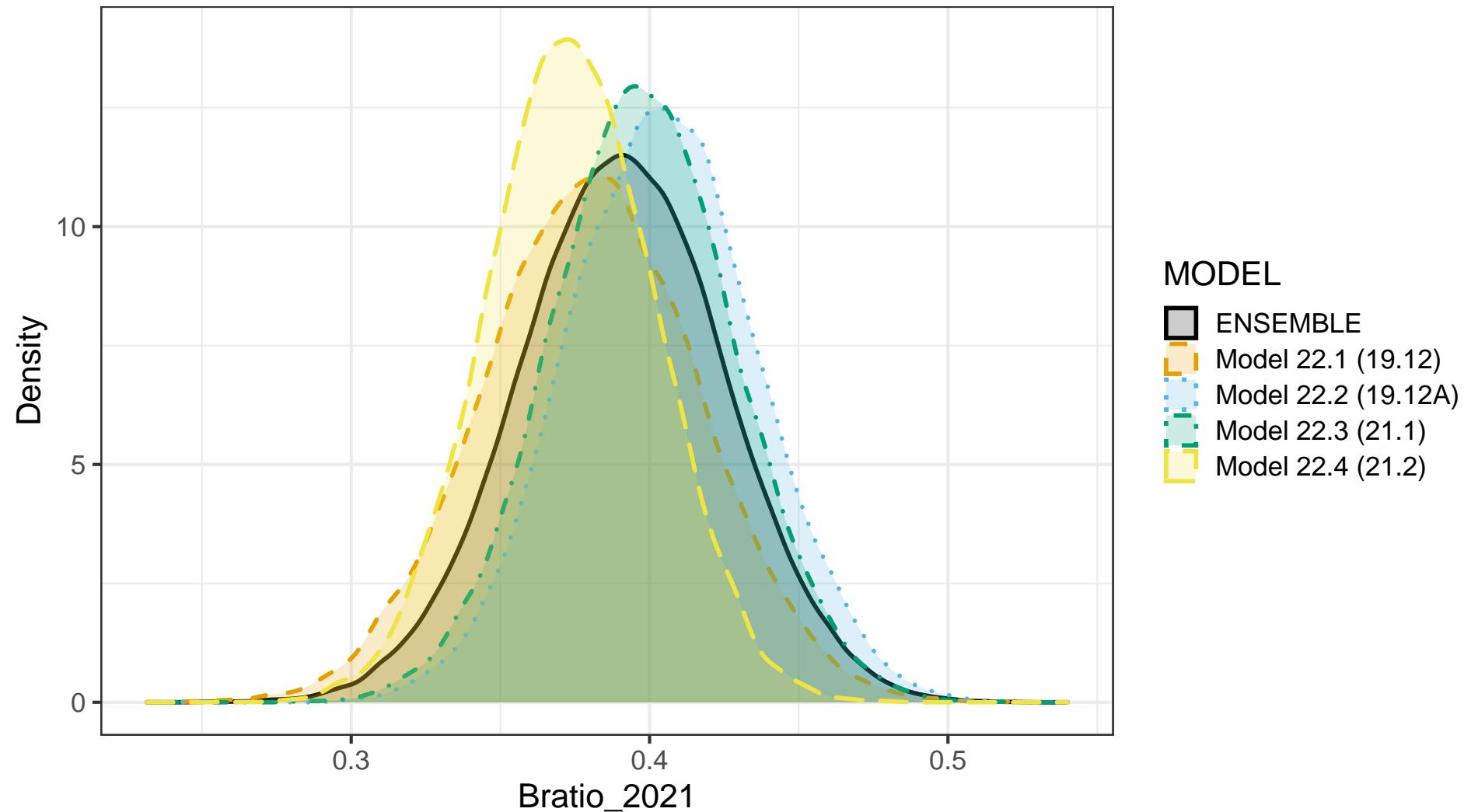
Bratio_2019



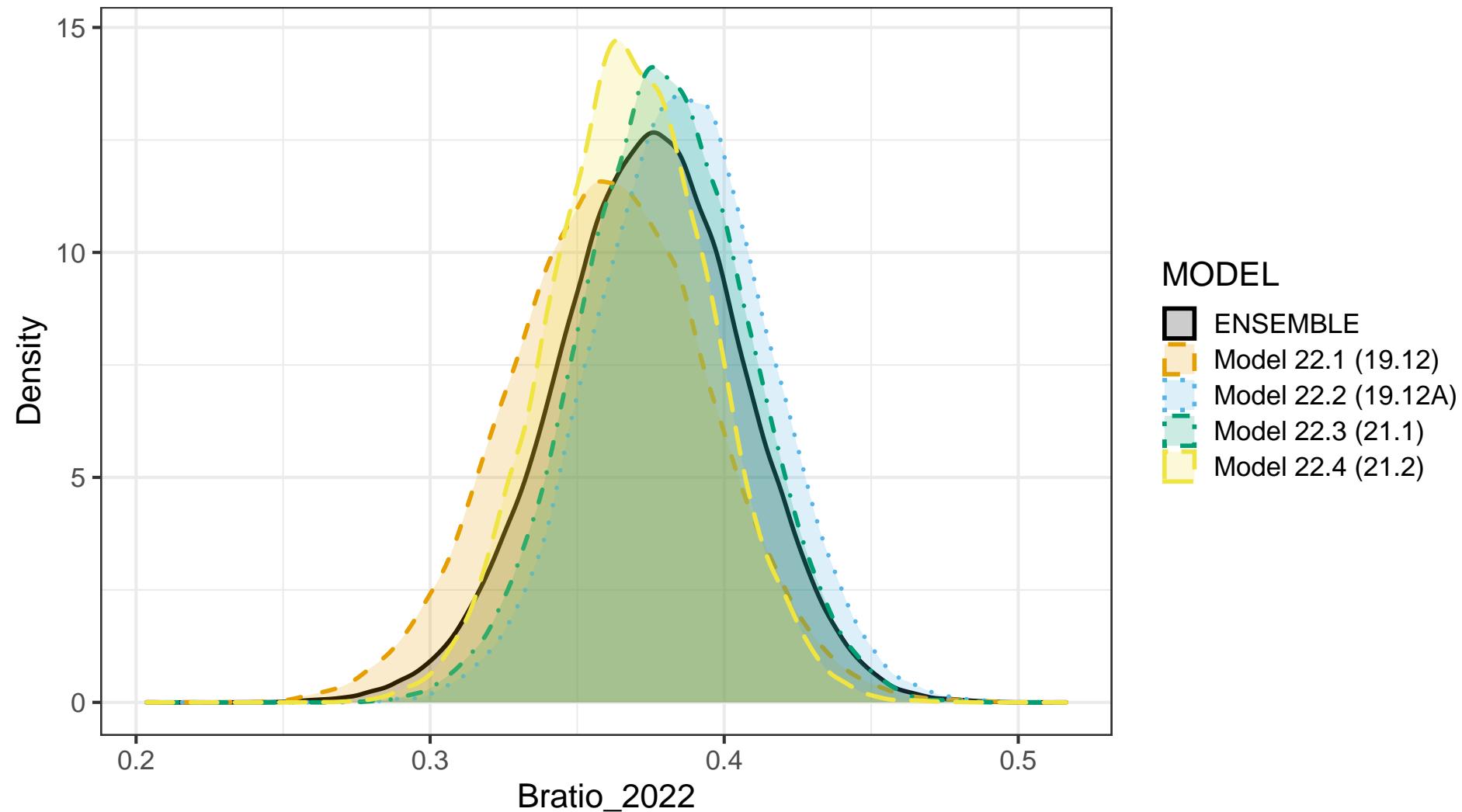
Bratio_2020



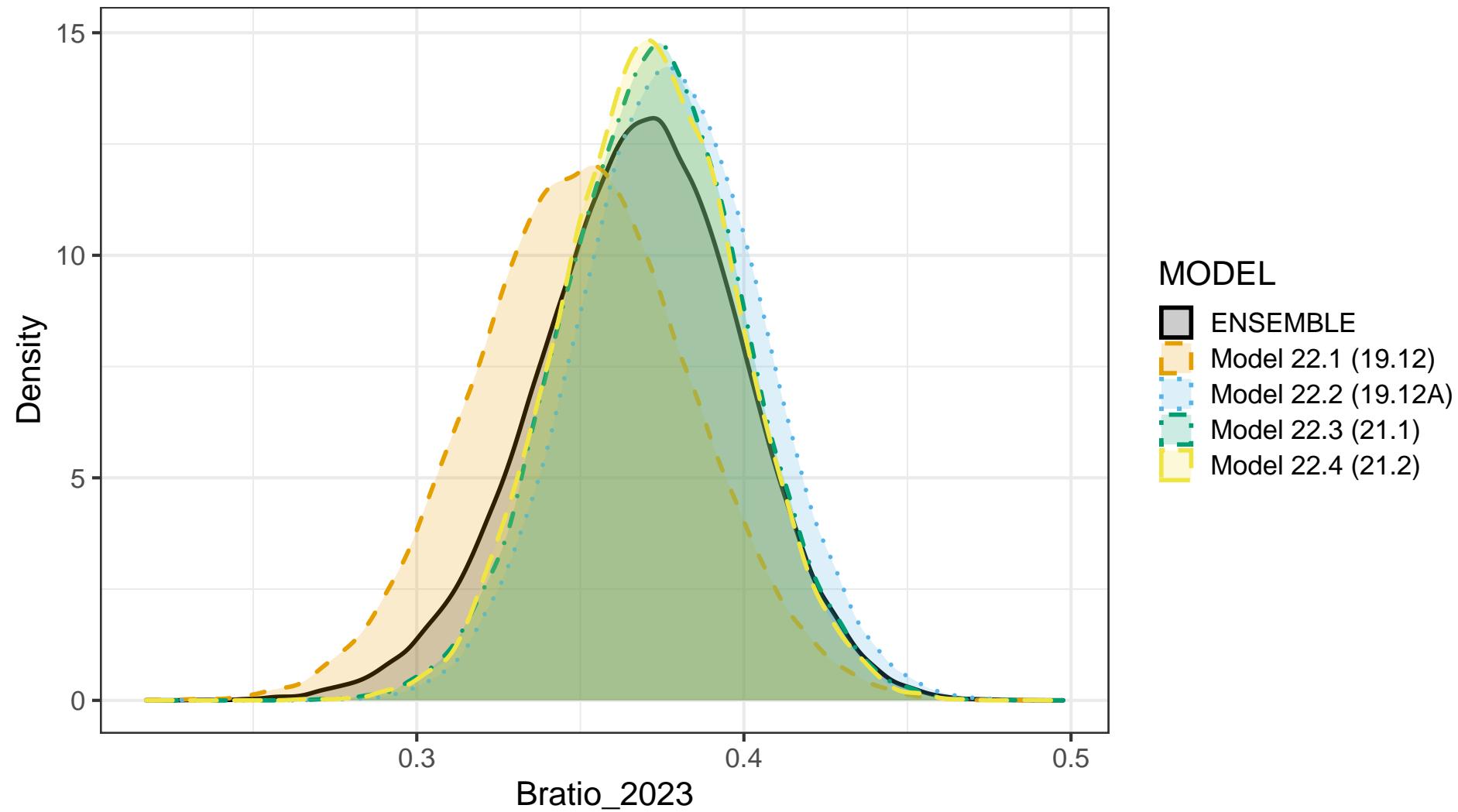
Bratio_2021



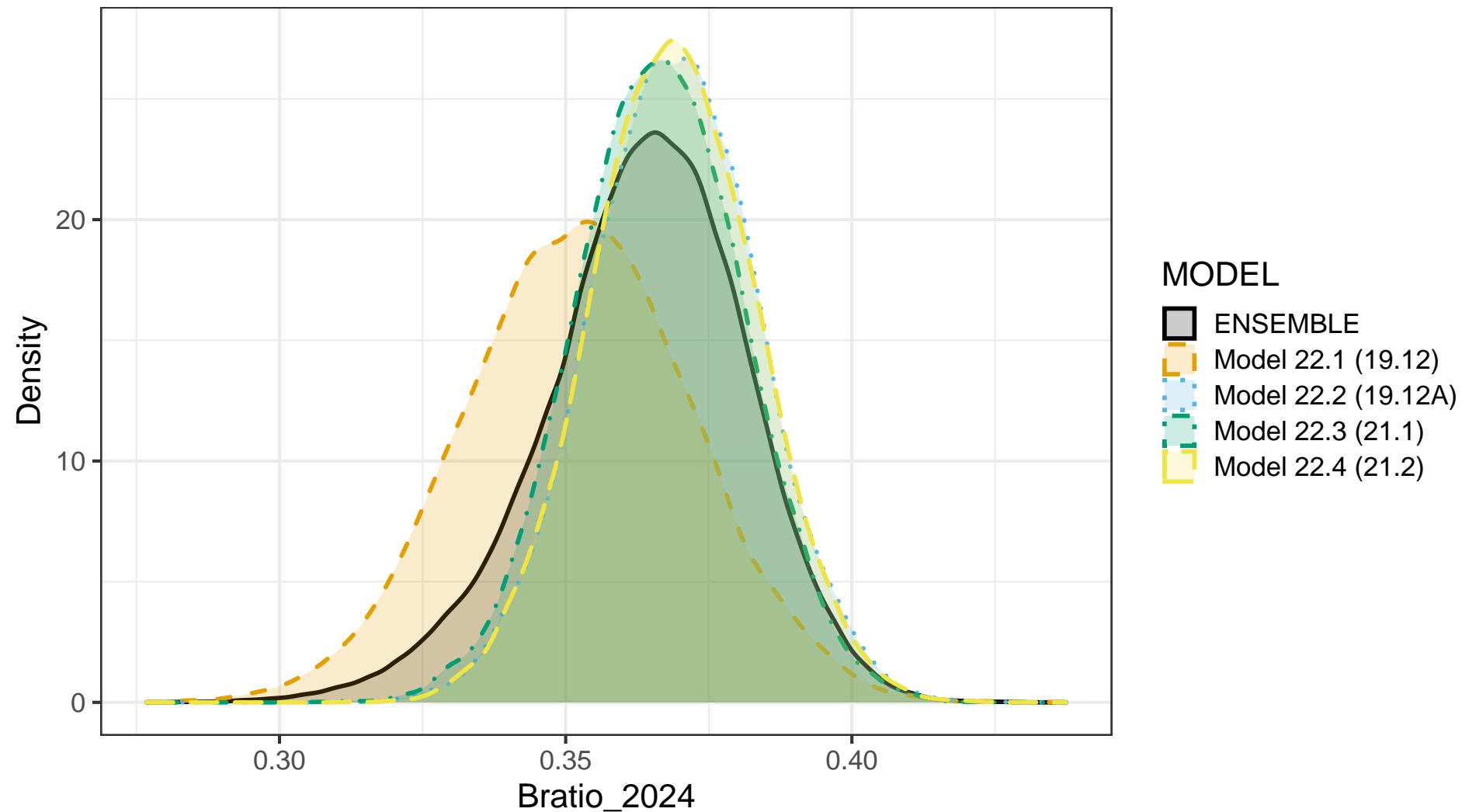
Bratio_2022



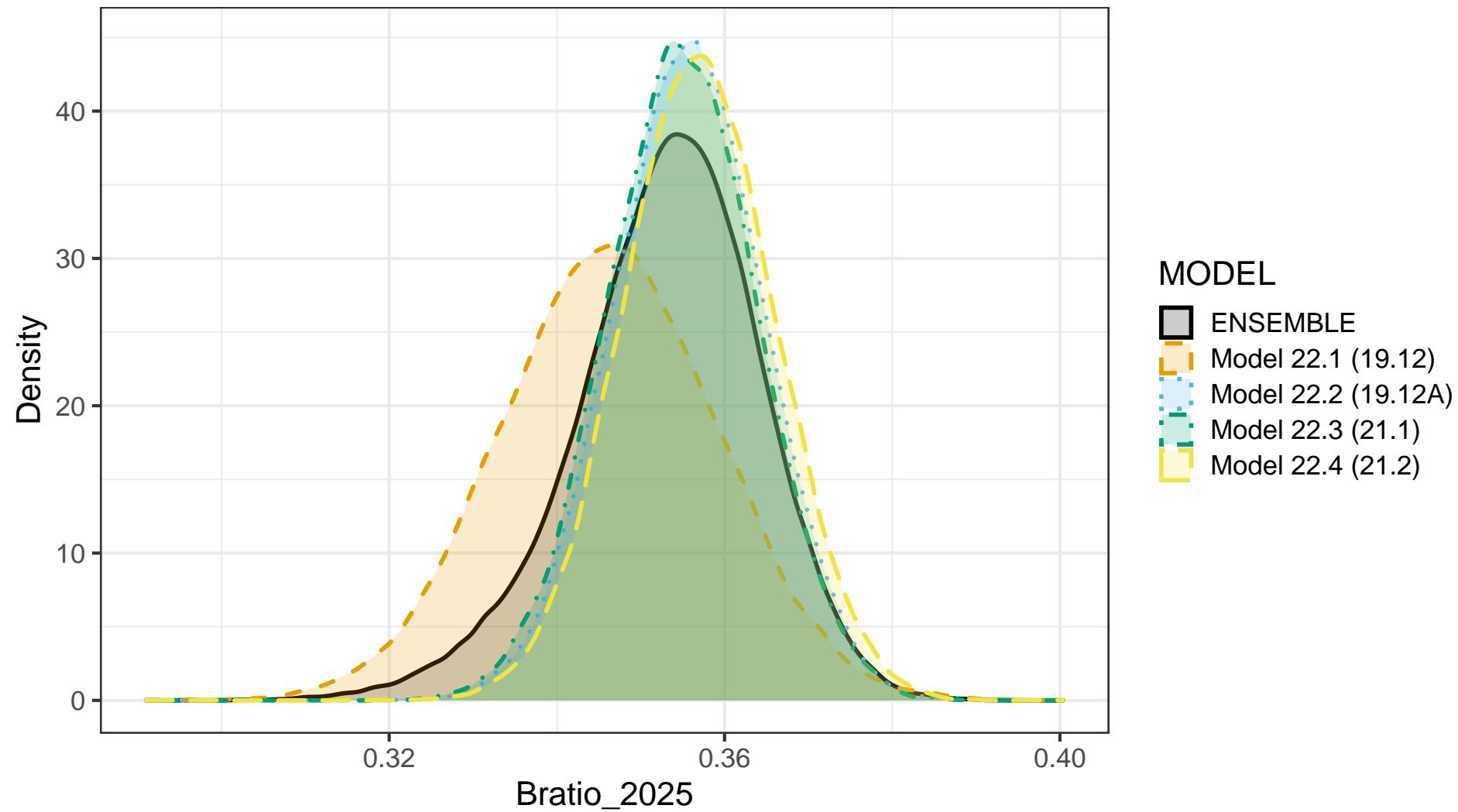
Bratio_2023



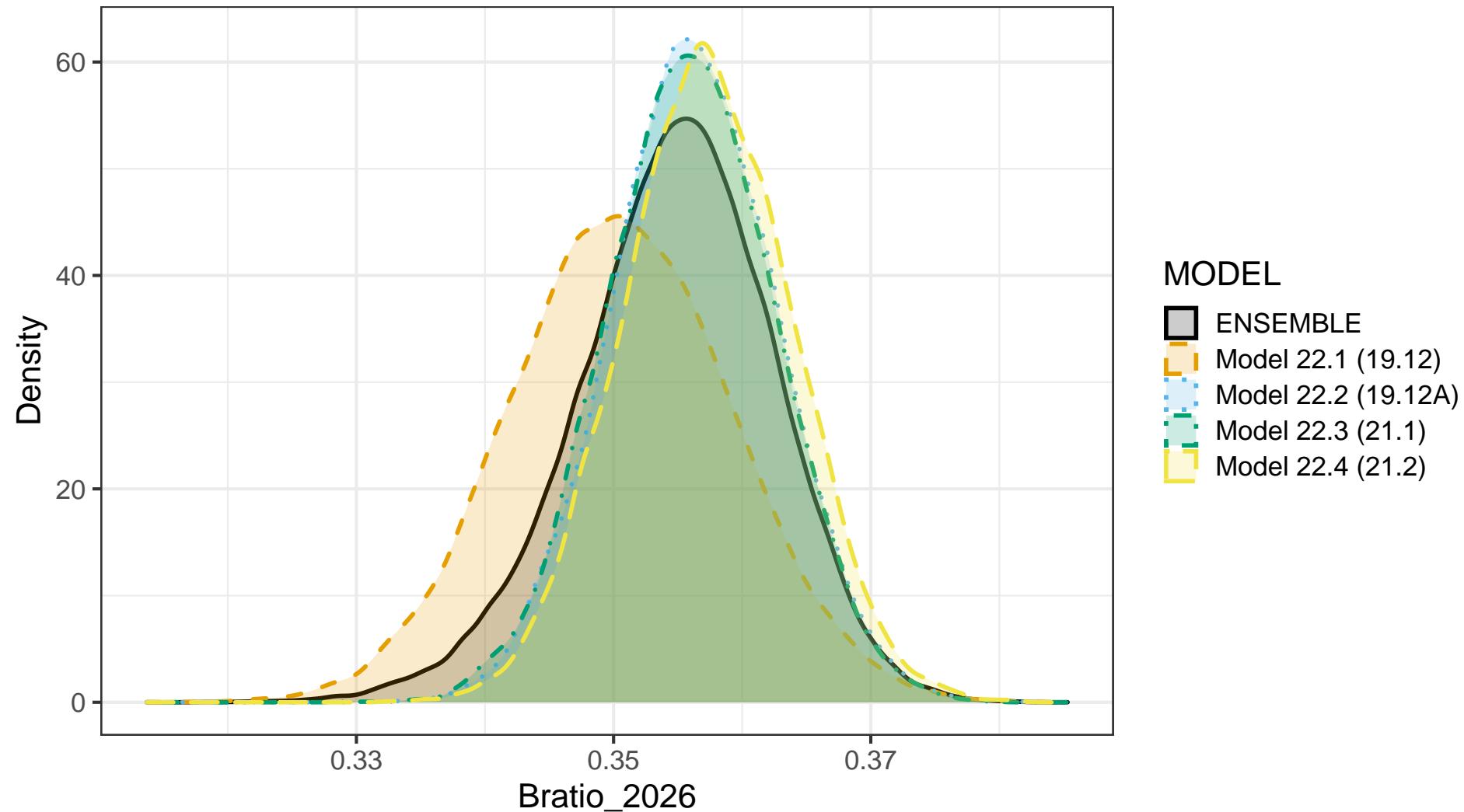
Bratio_2024



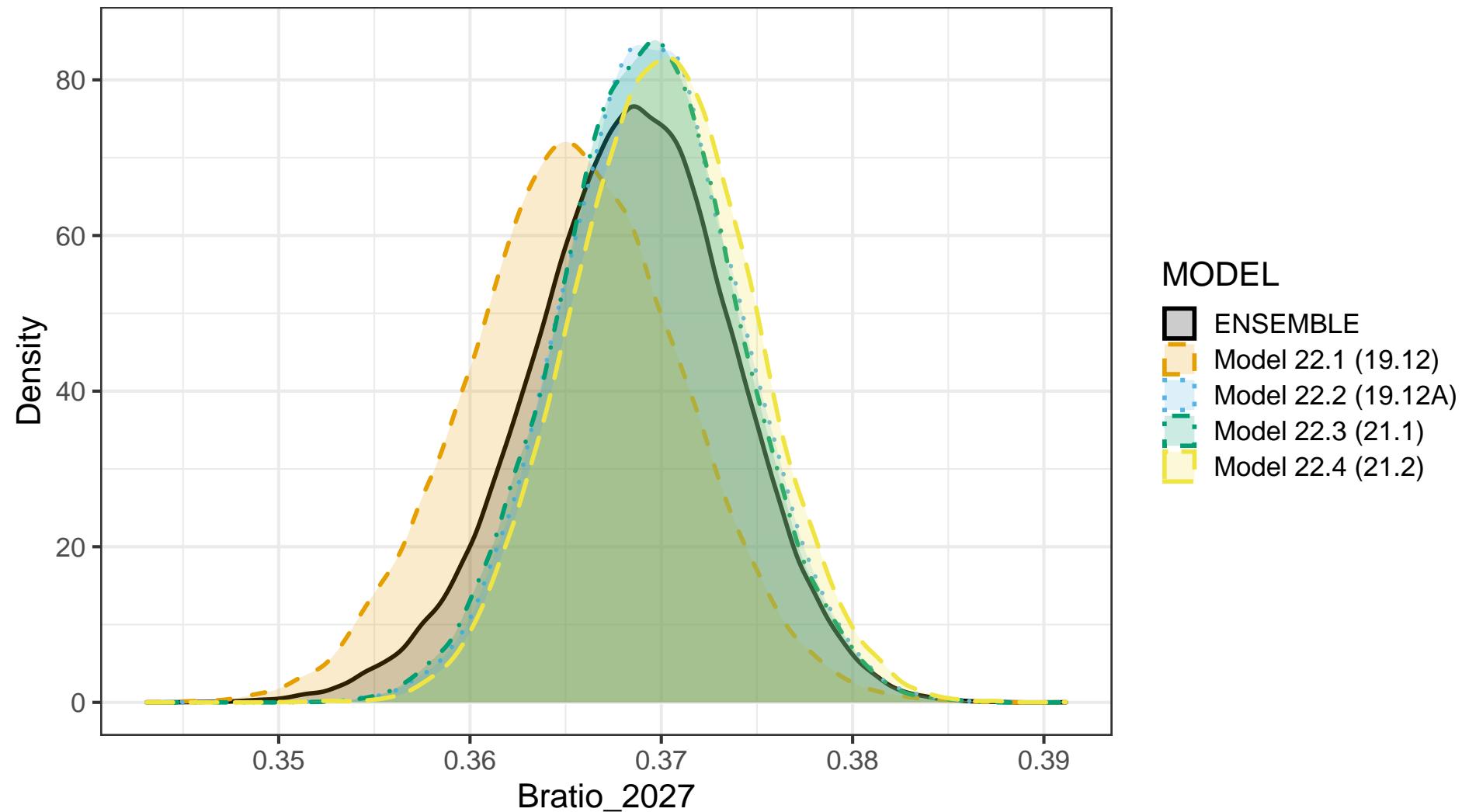
Bratio_2025



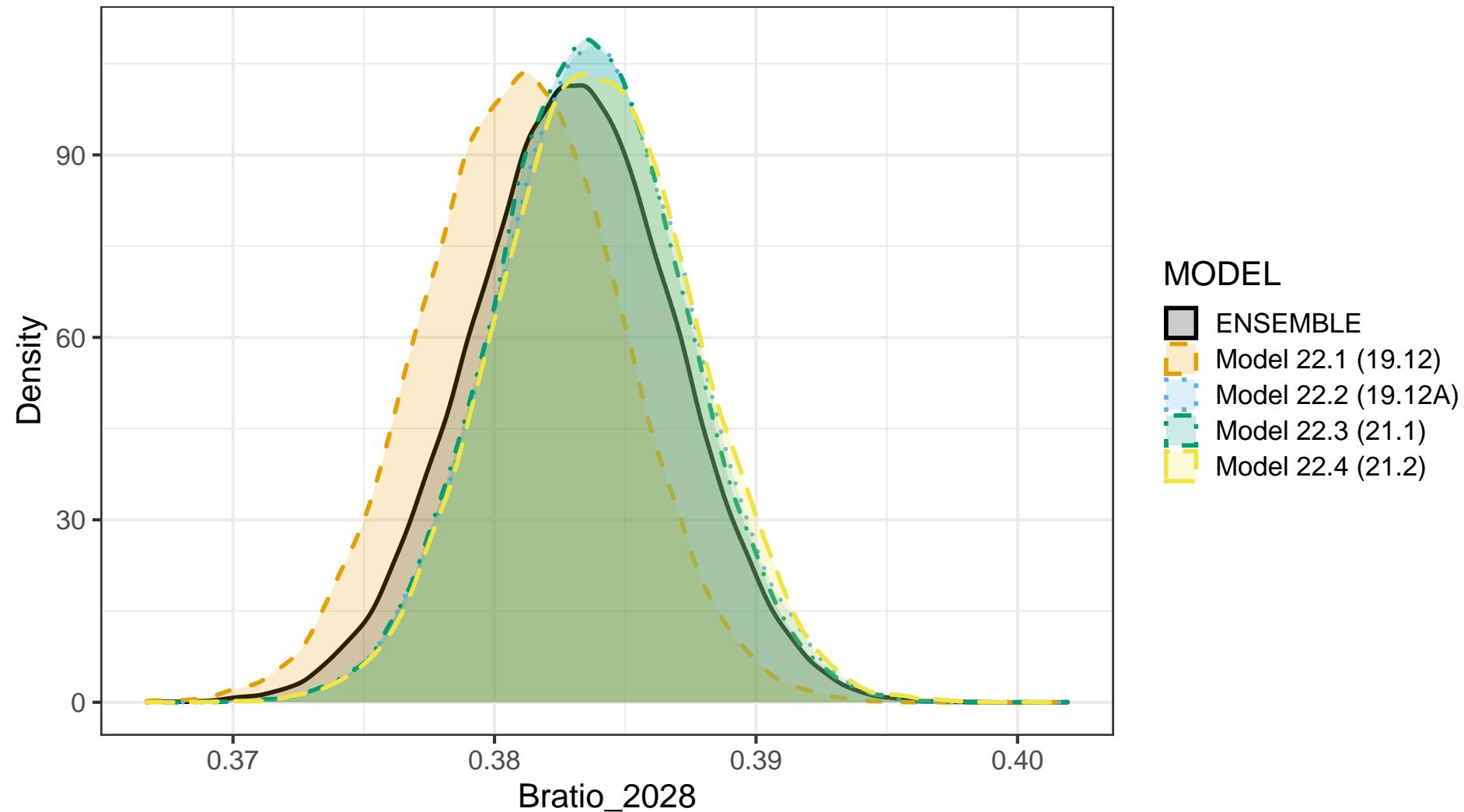
Bratio_2026



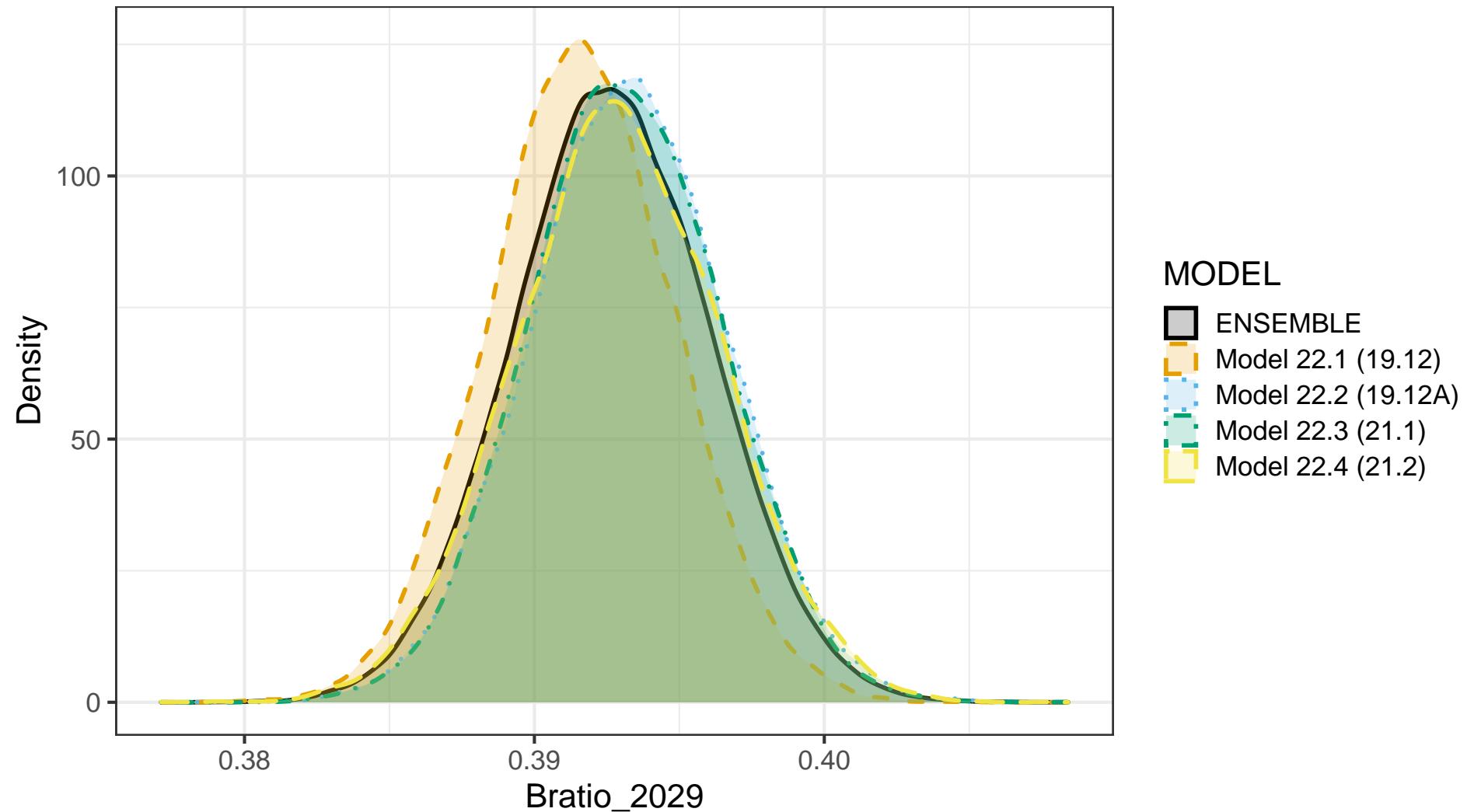
Bratio_2027



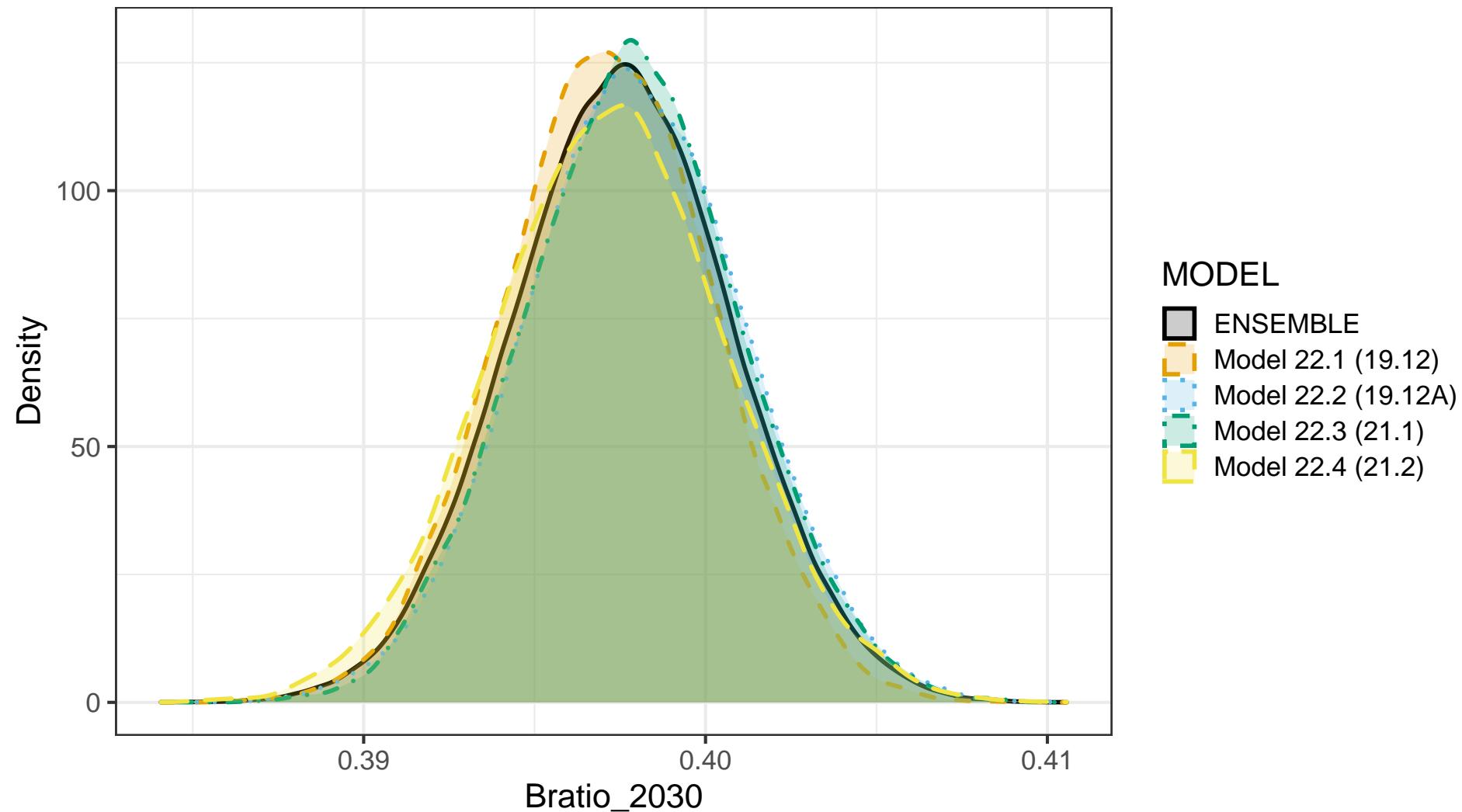
Bratio_2028



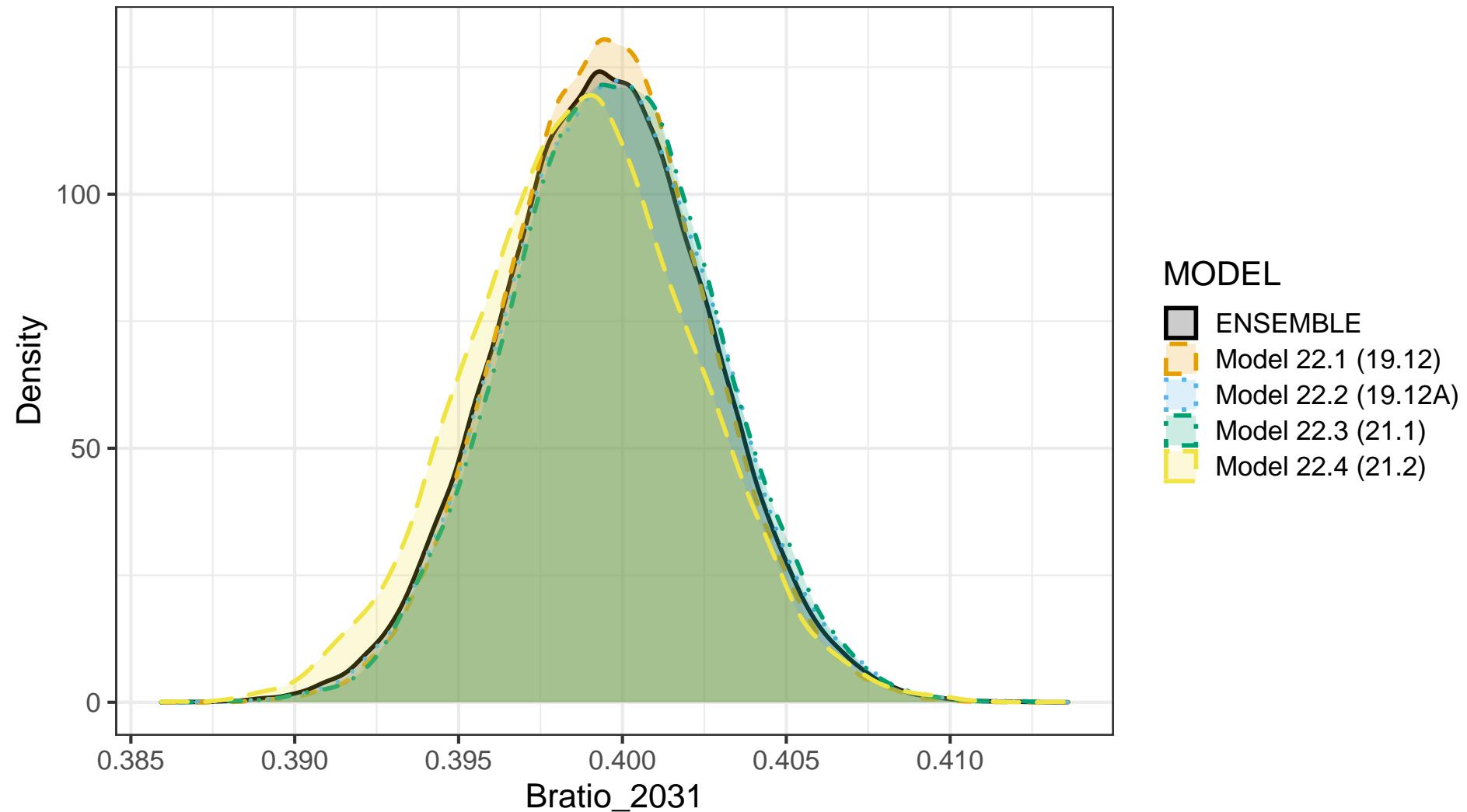
Bratio_2029



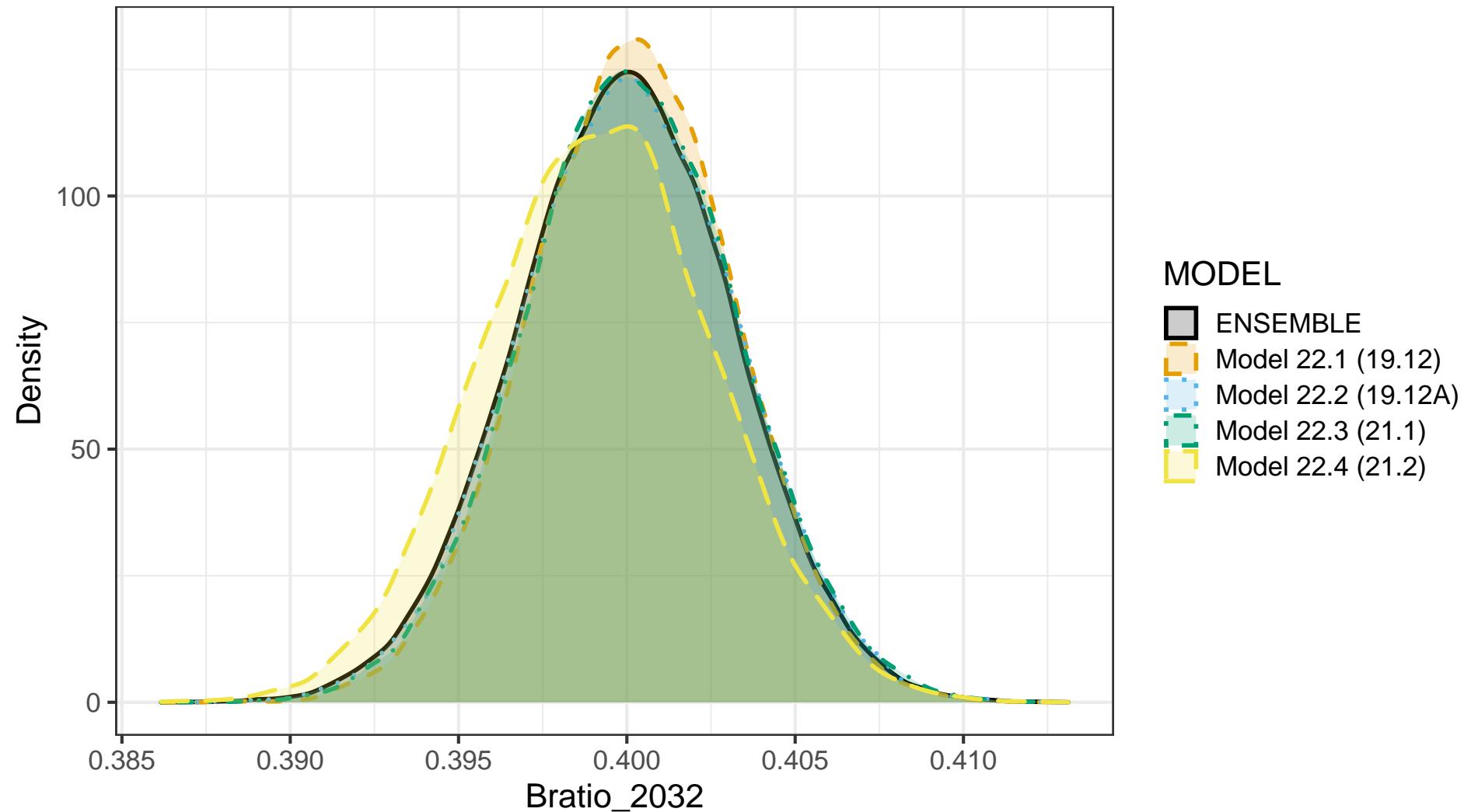
Bratio_2030



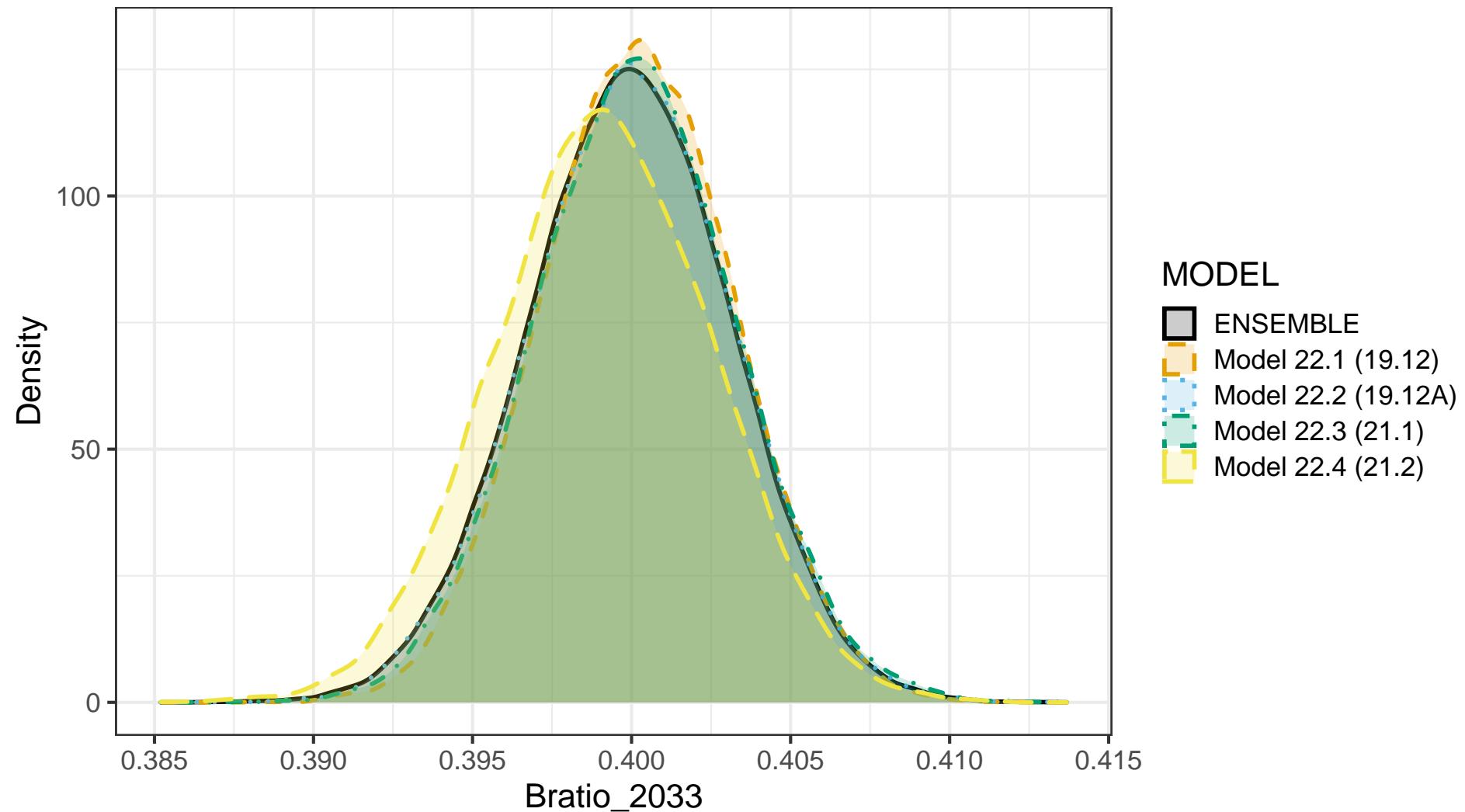
Bratio_2031



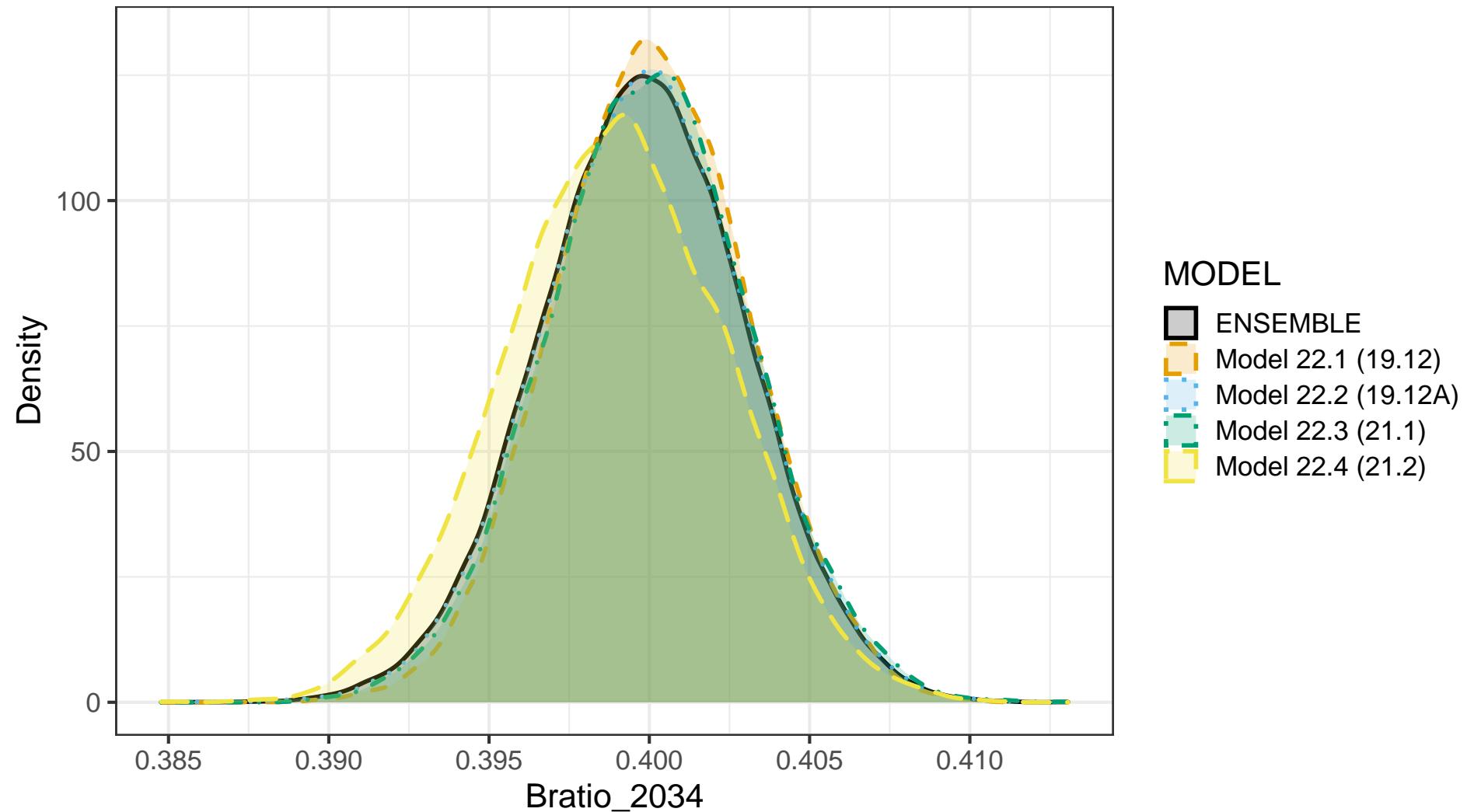
Bratio_2032



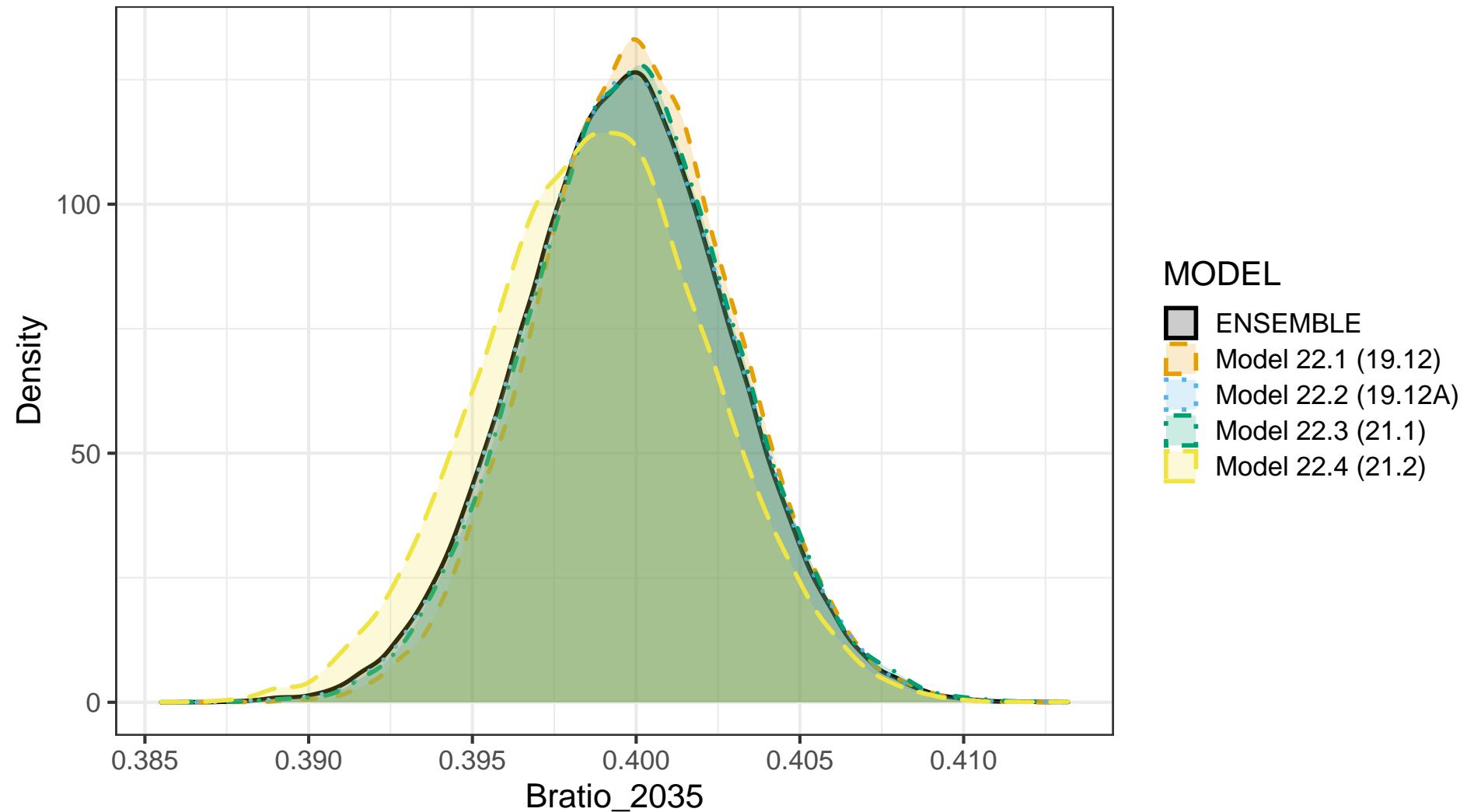
Bratio_2033



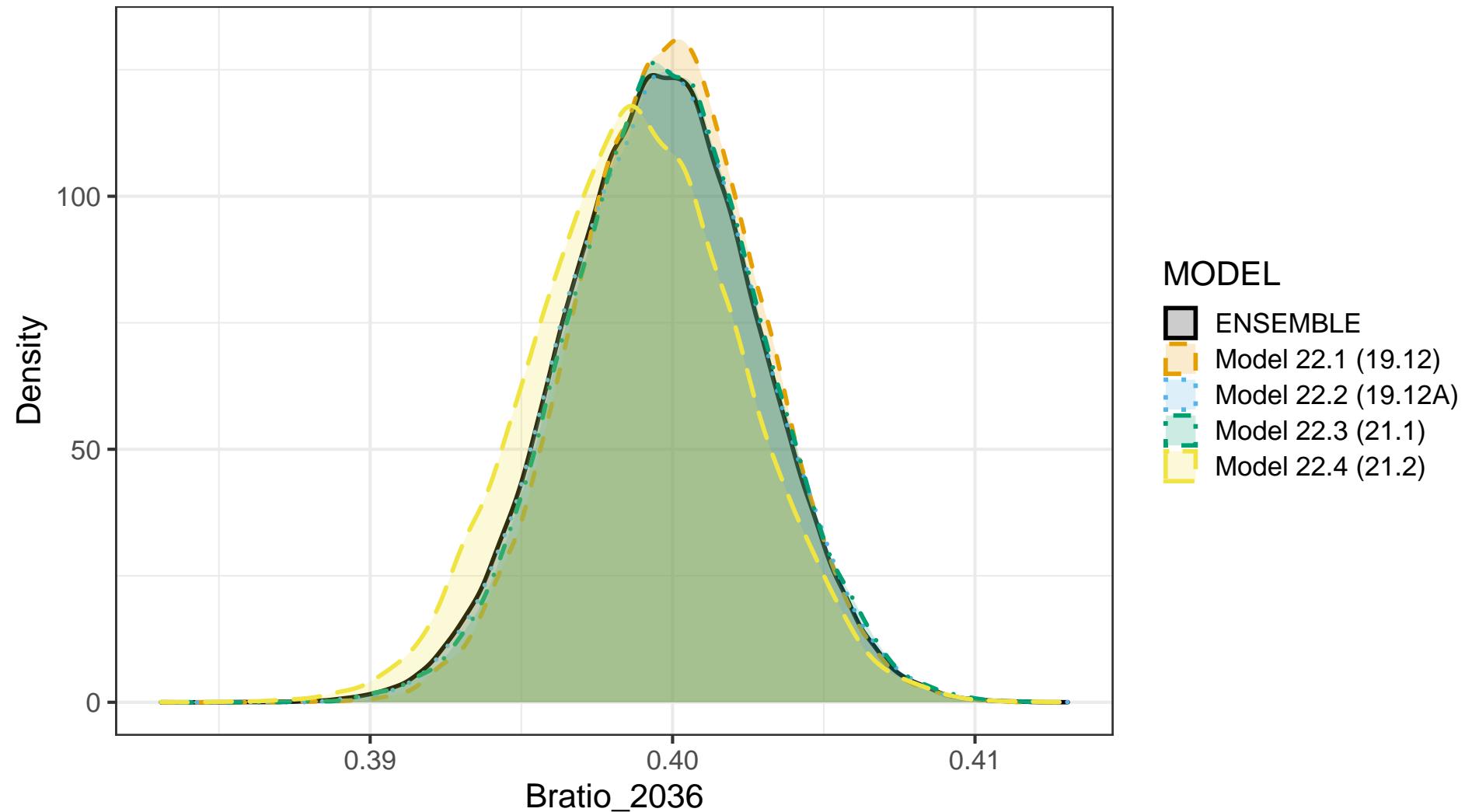
Bratio_2034



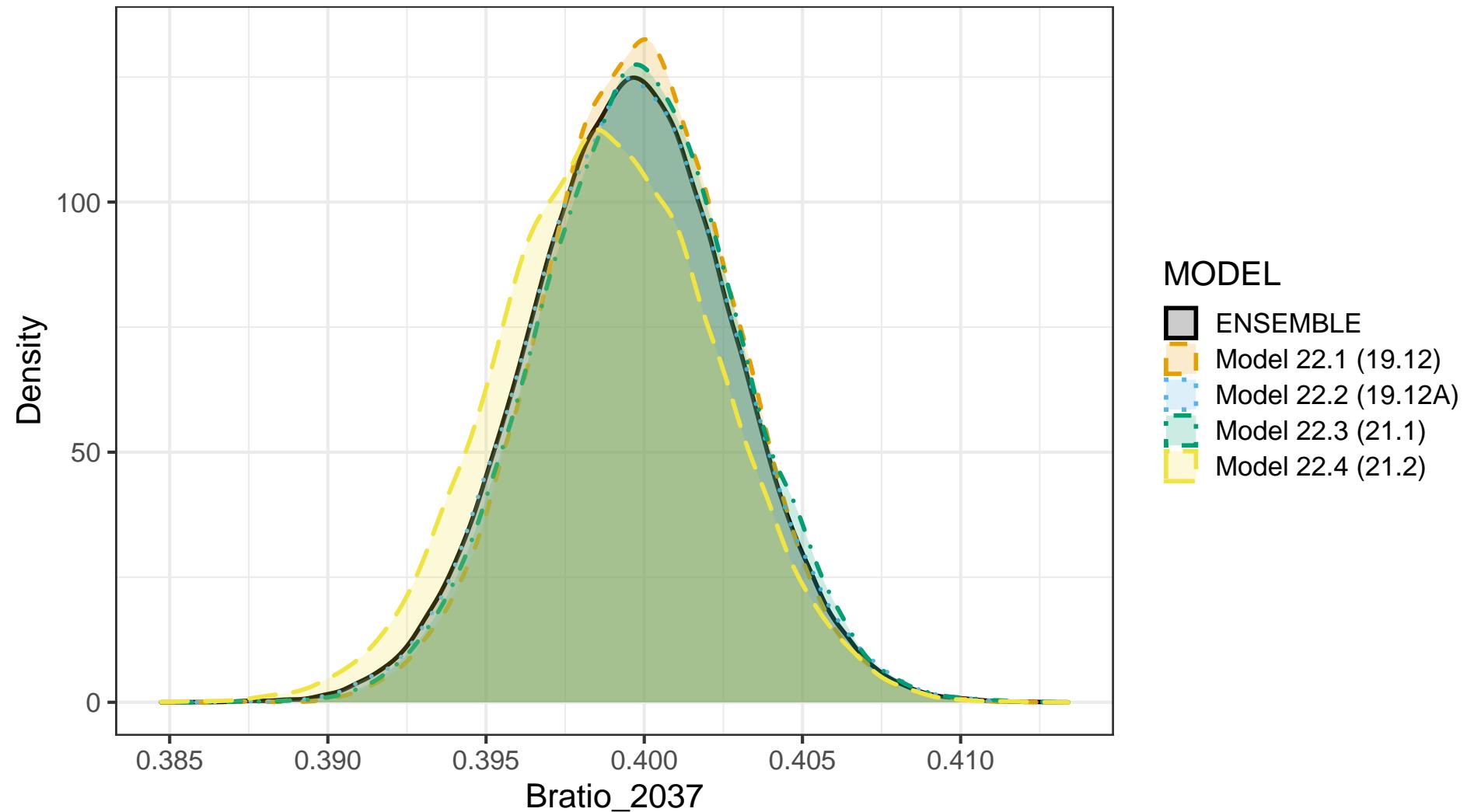
Bratio_2035



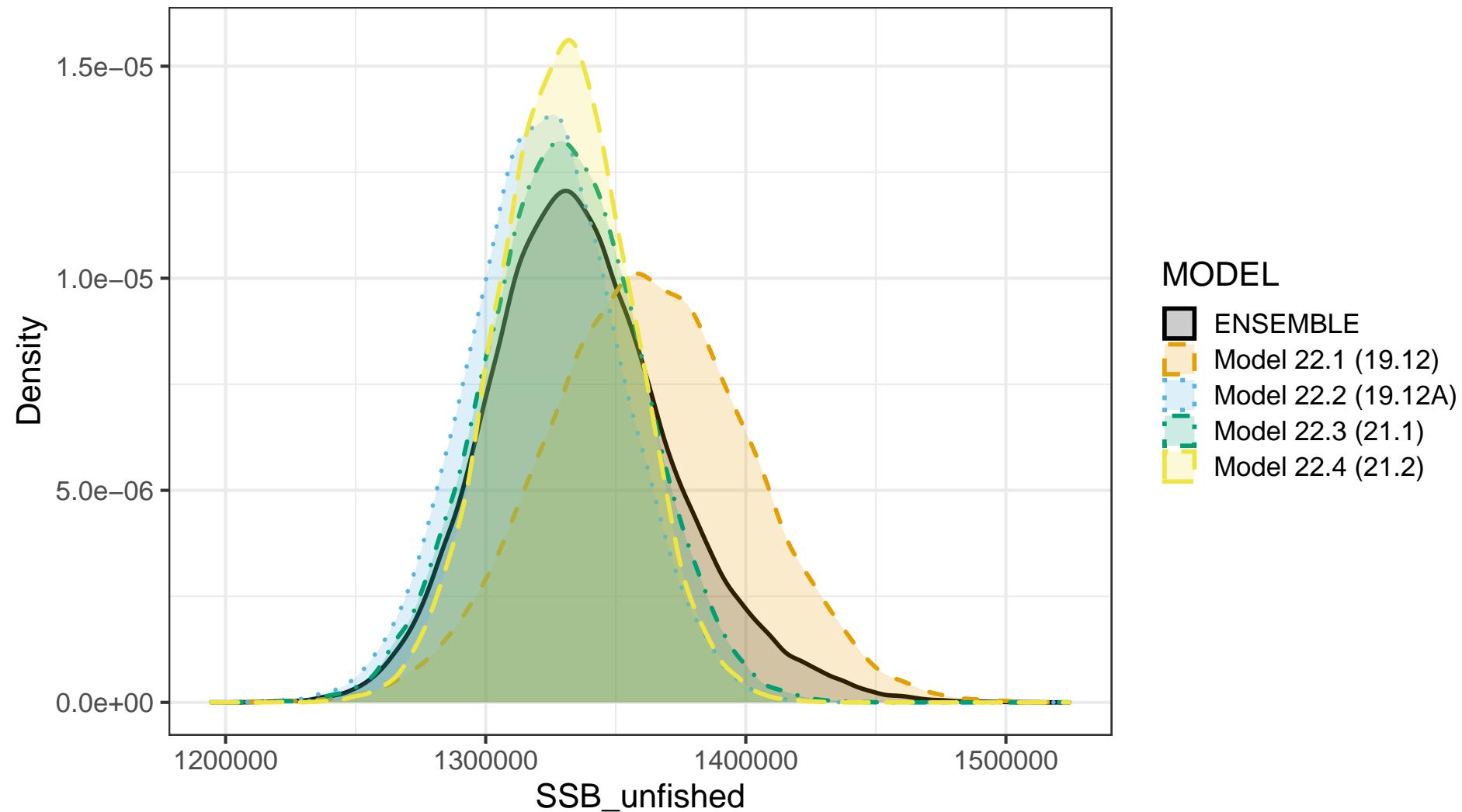
Bratio_2036



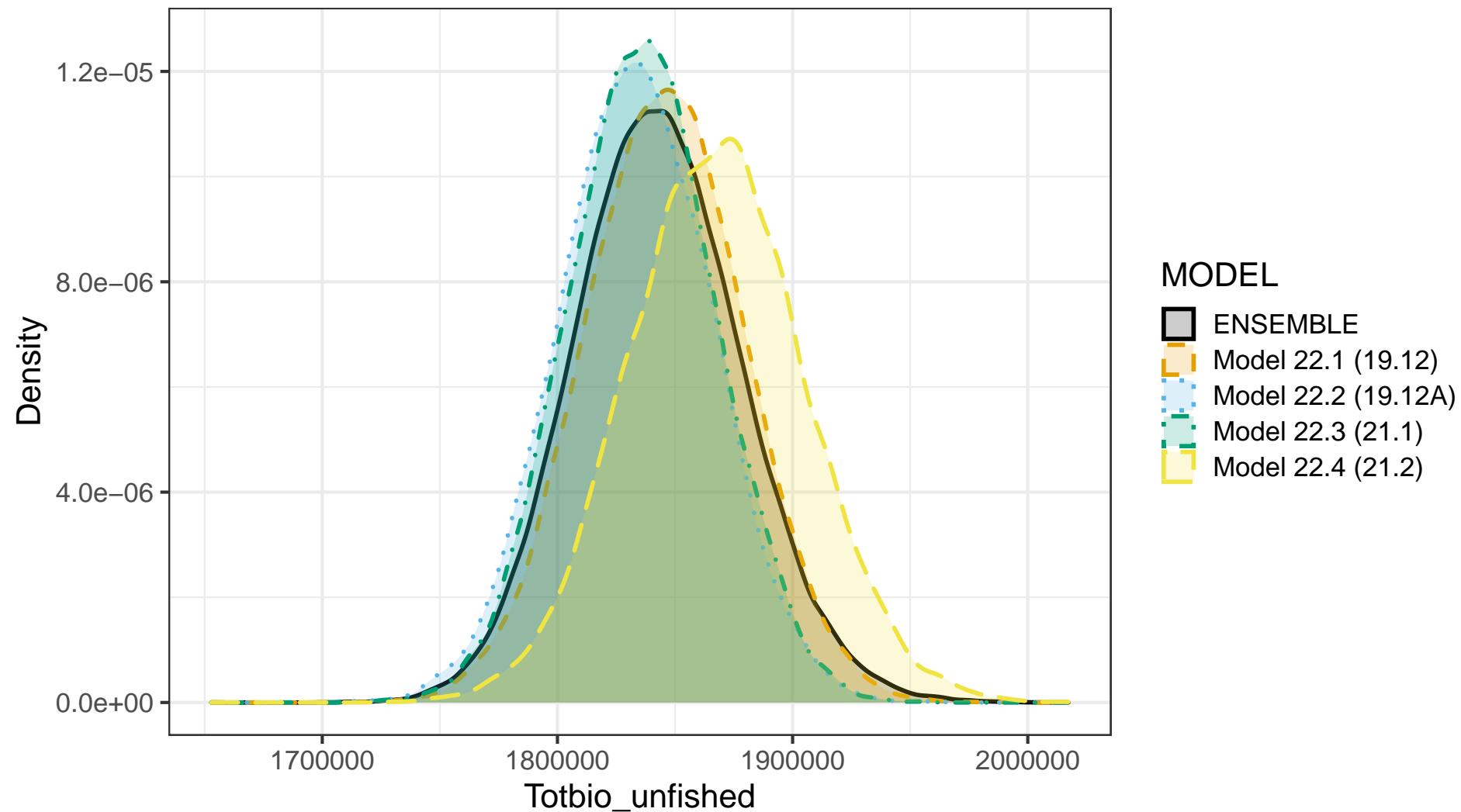
Bratio_2037



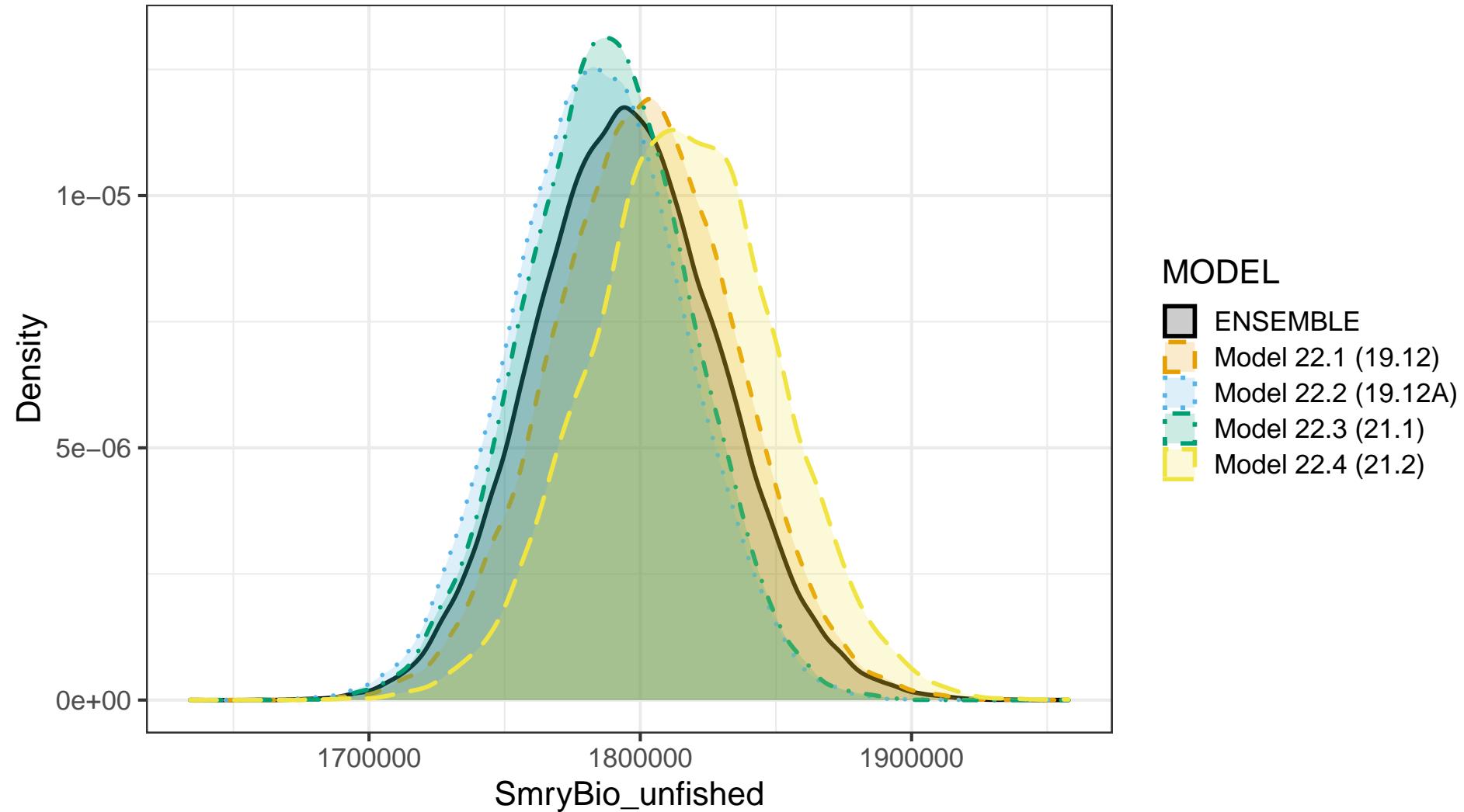
SSB_unfished



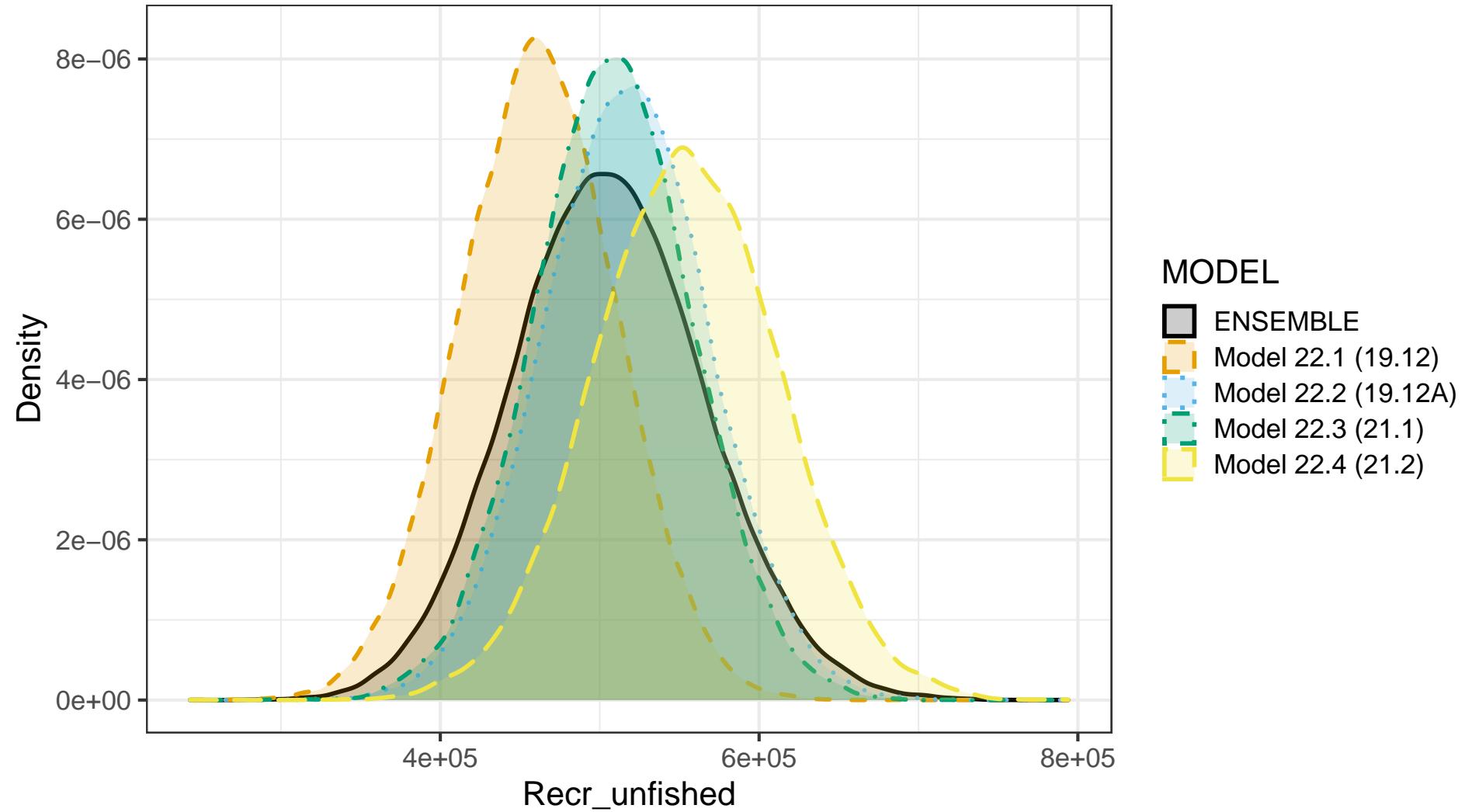
Totbio_unfished



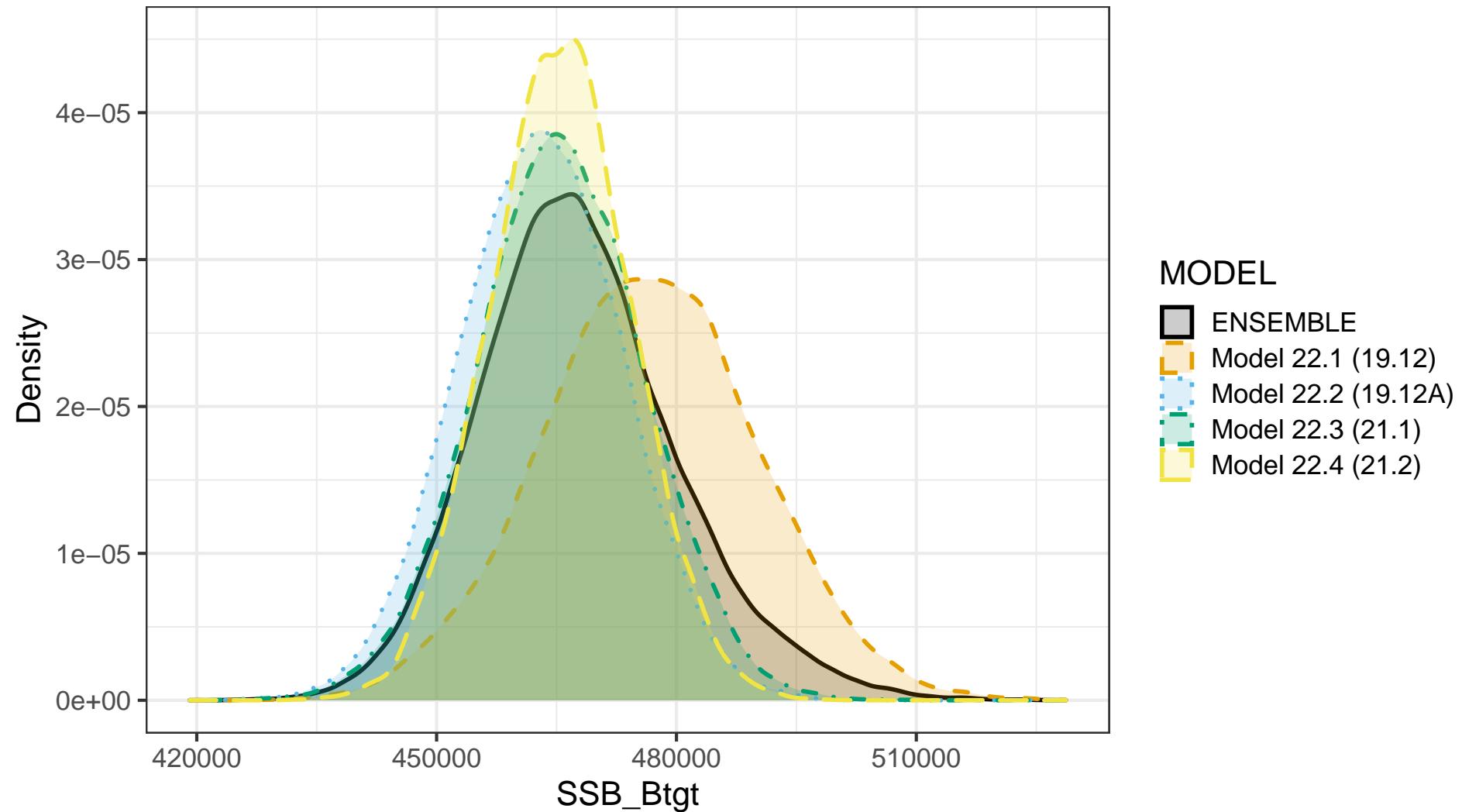
SmryBio_unfished



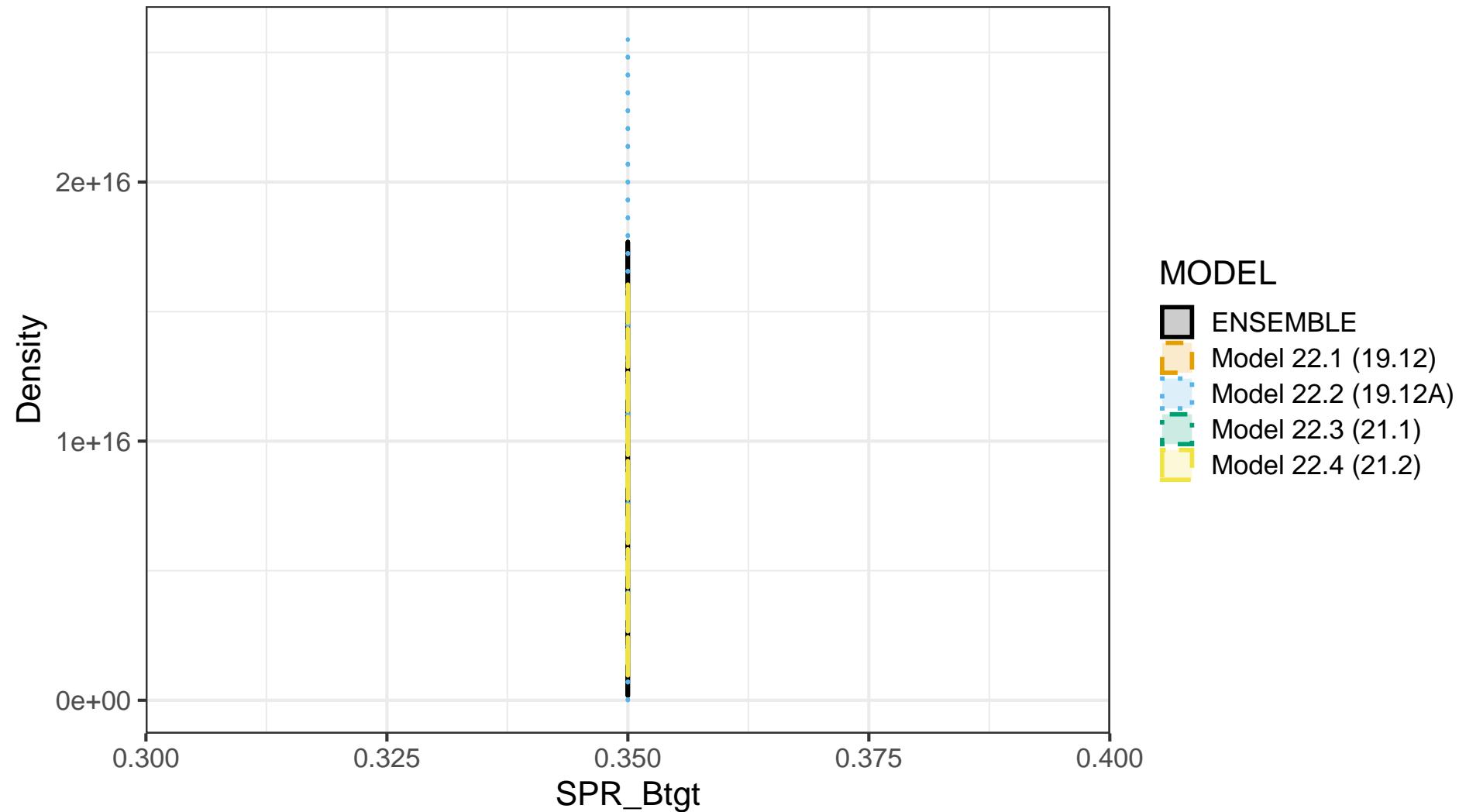
Recr_unfished



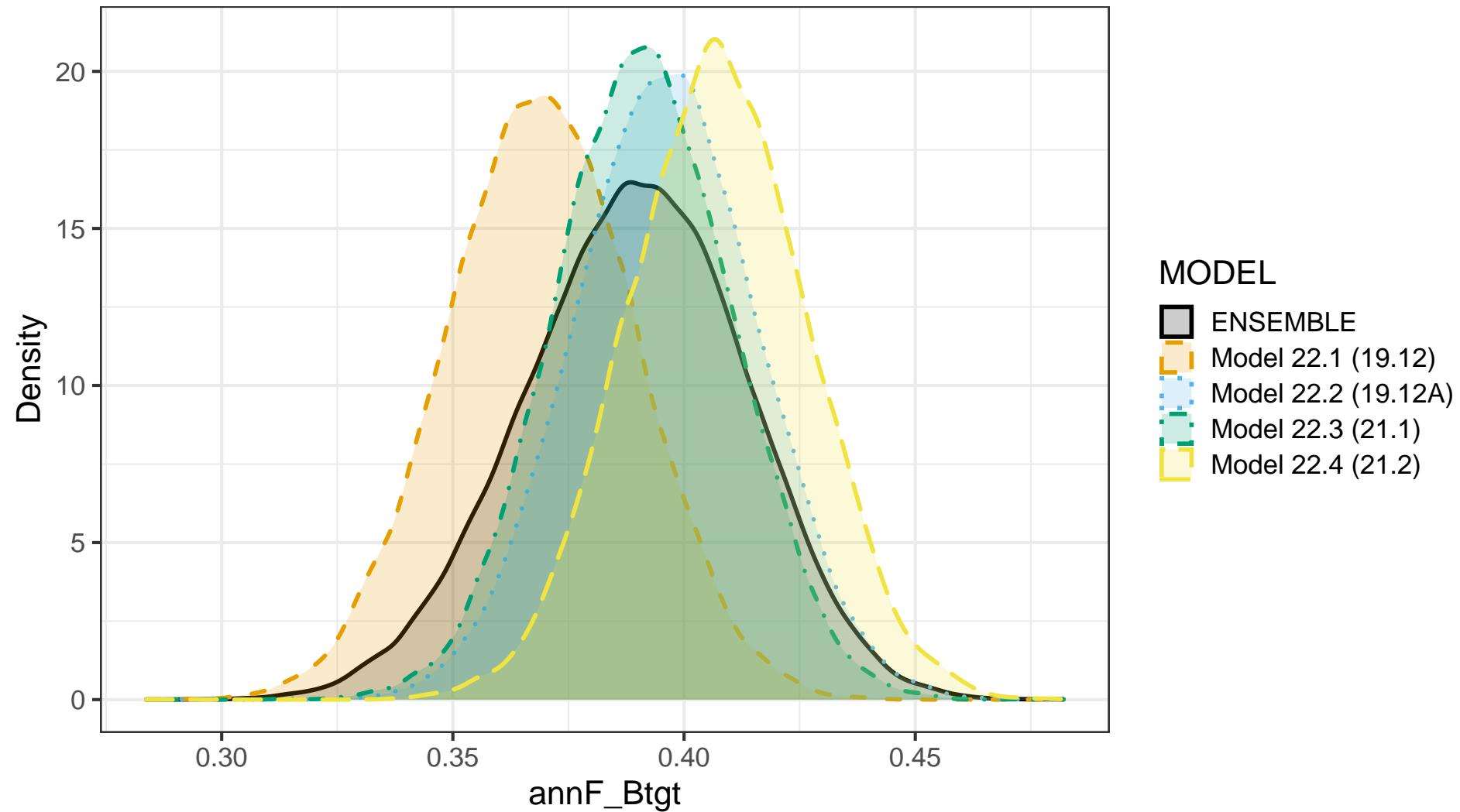
SSB_Btgt



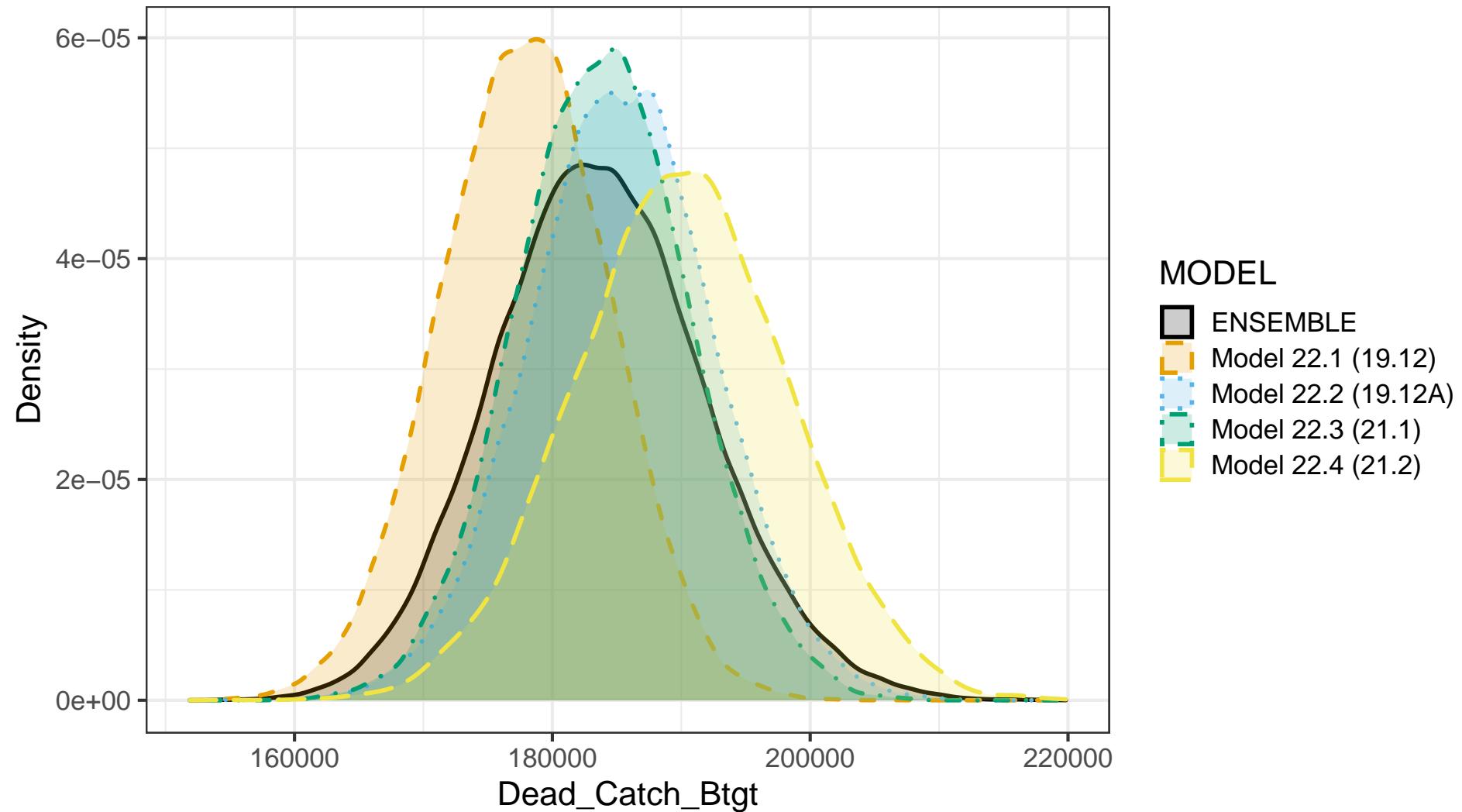
SPR_Btgt



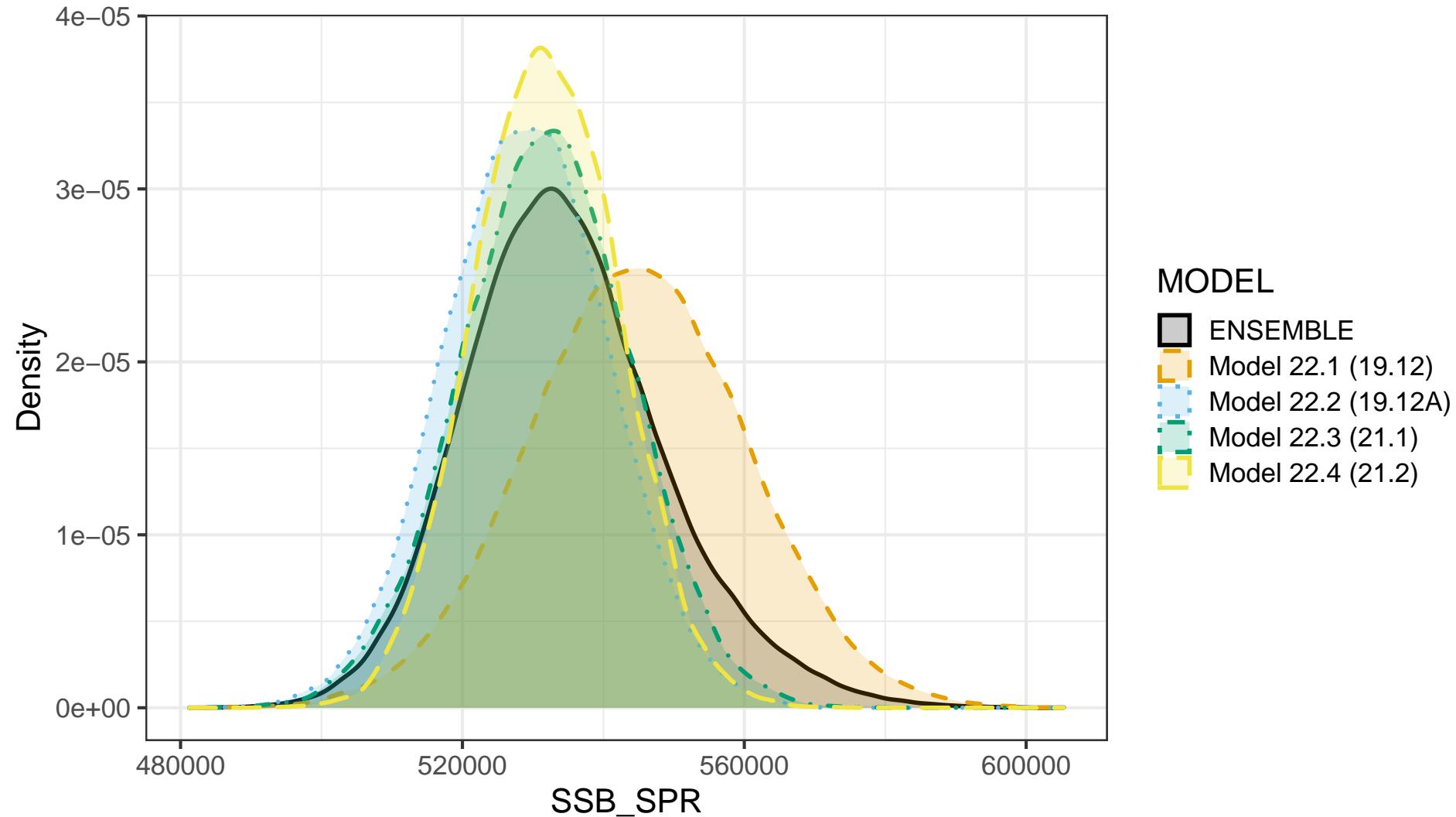
annF_Btgt



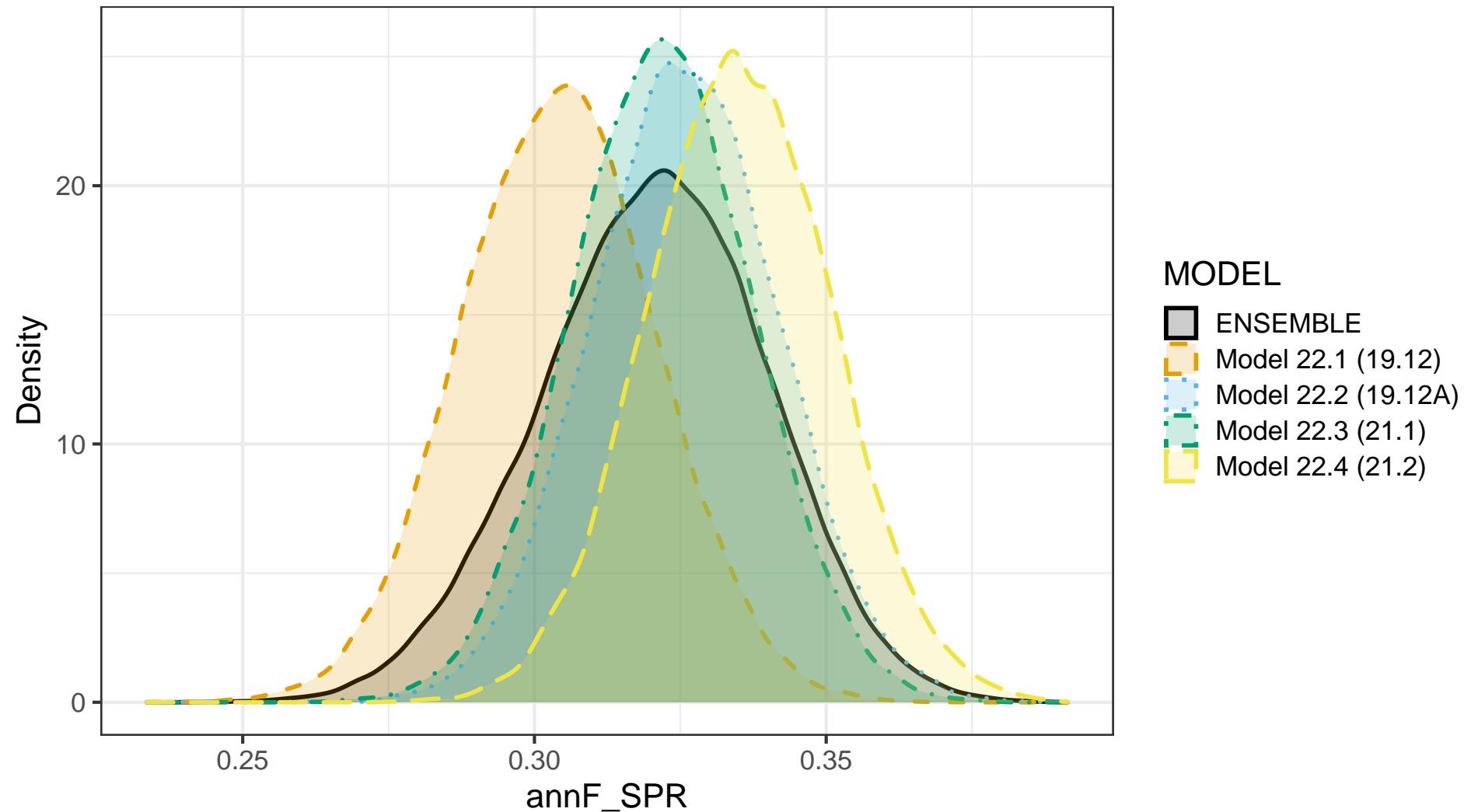
Dead_Catch_Btgt



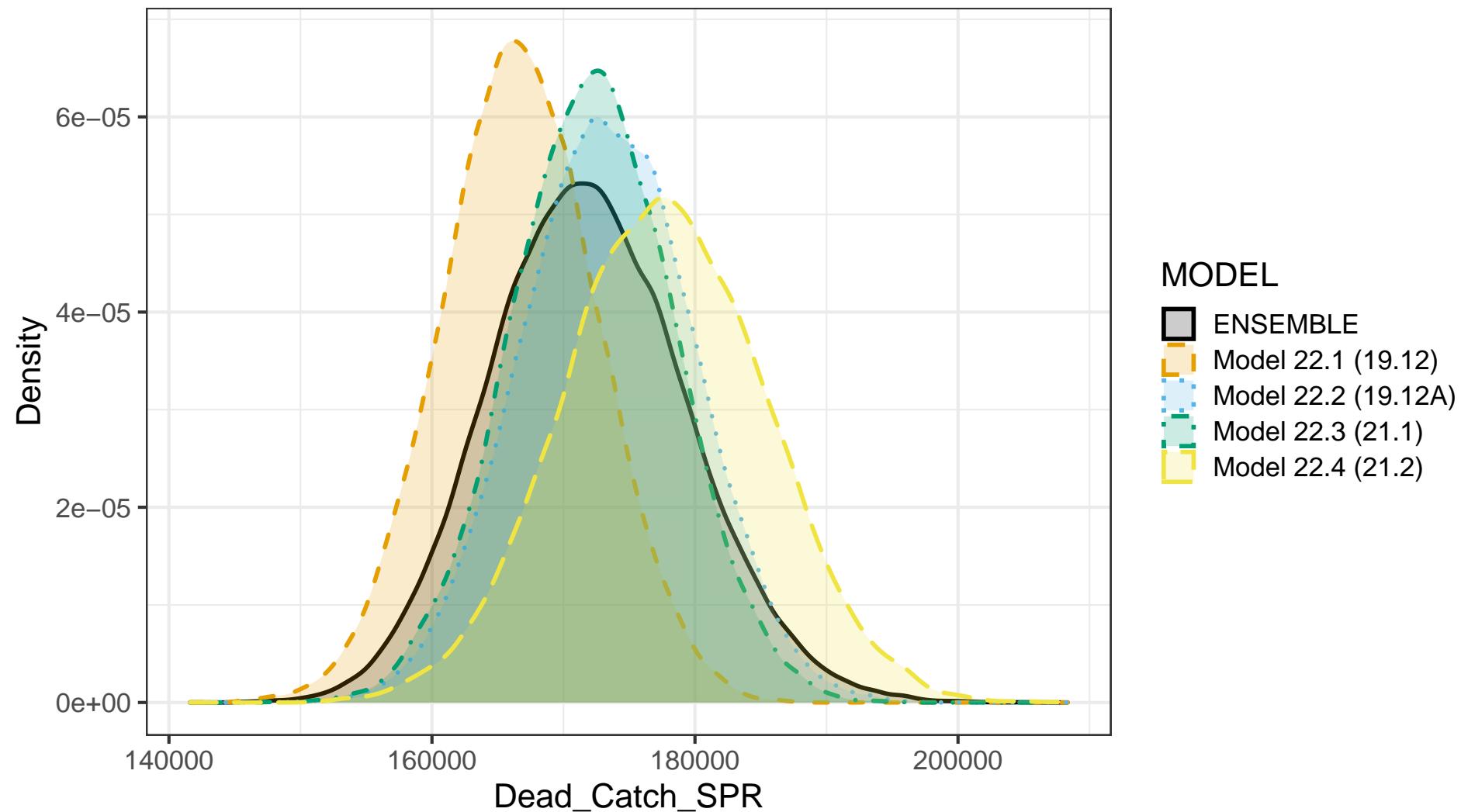
SSB_SPR



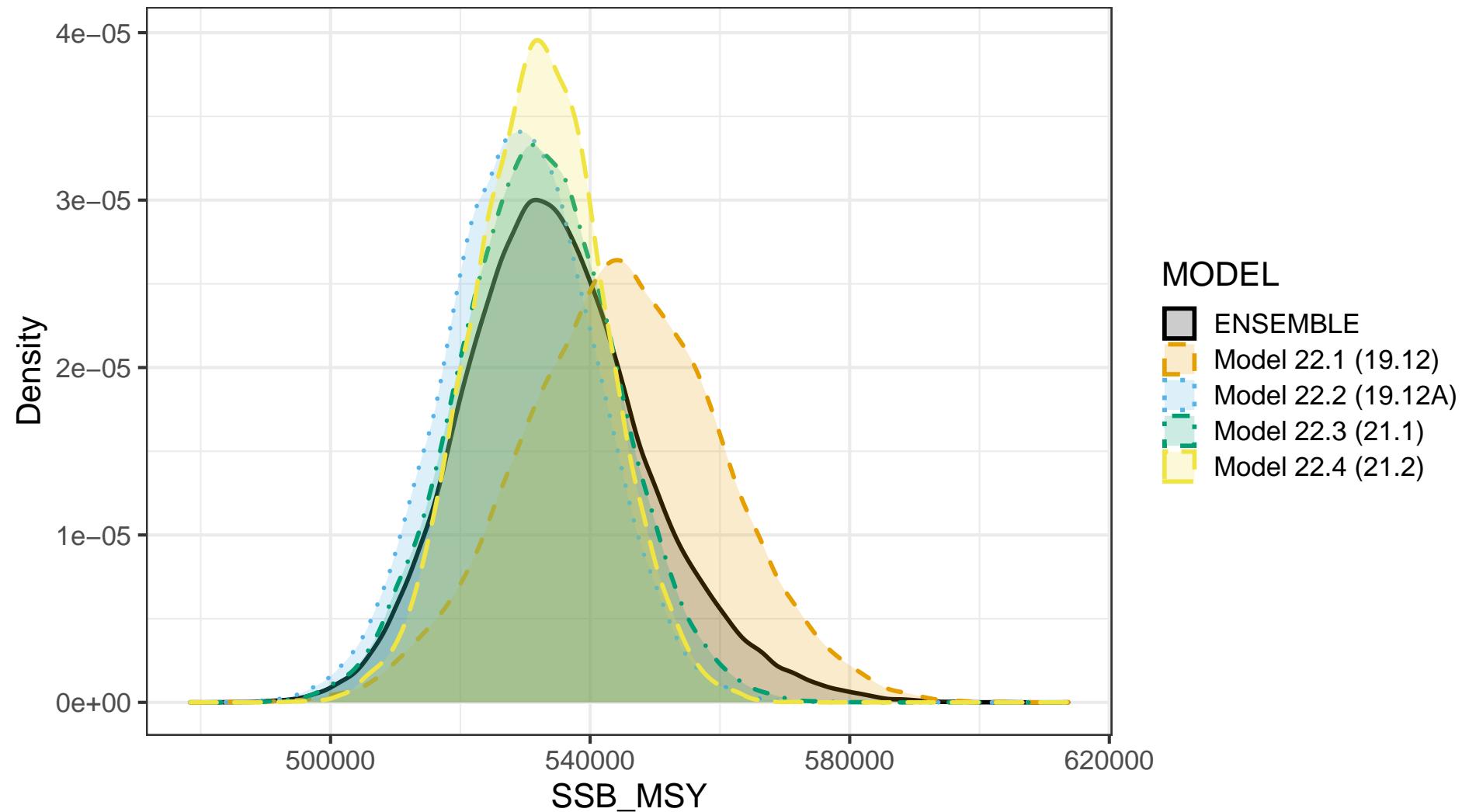
annF_SPR



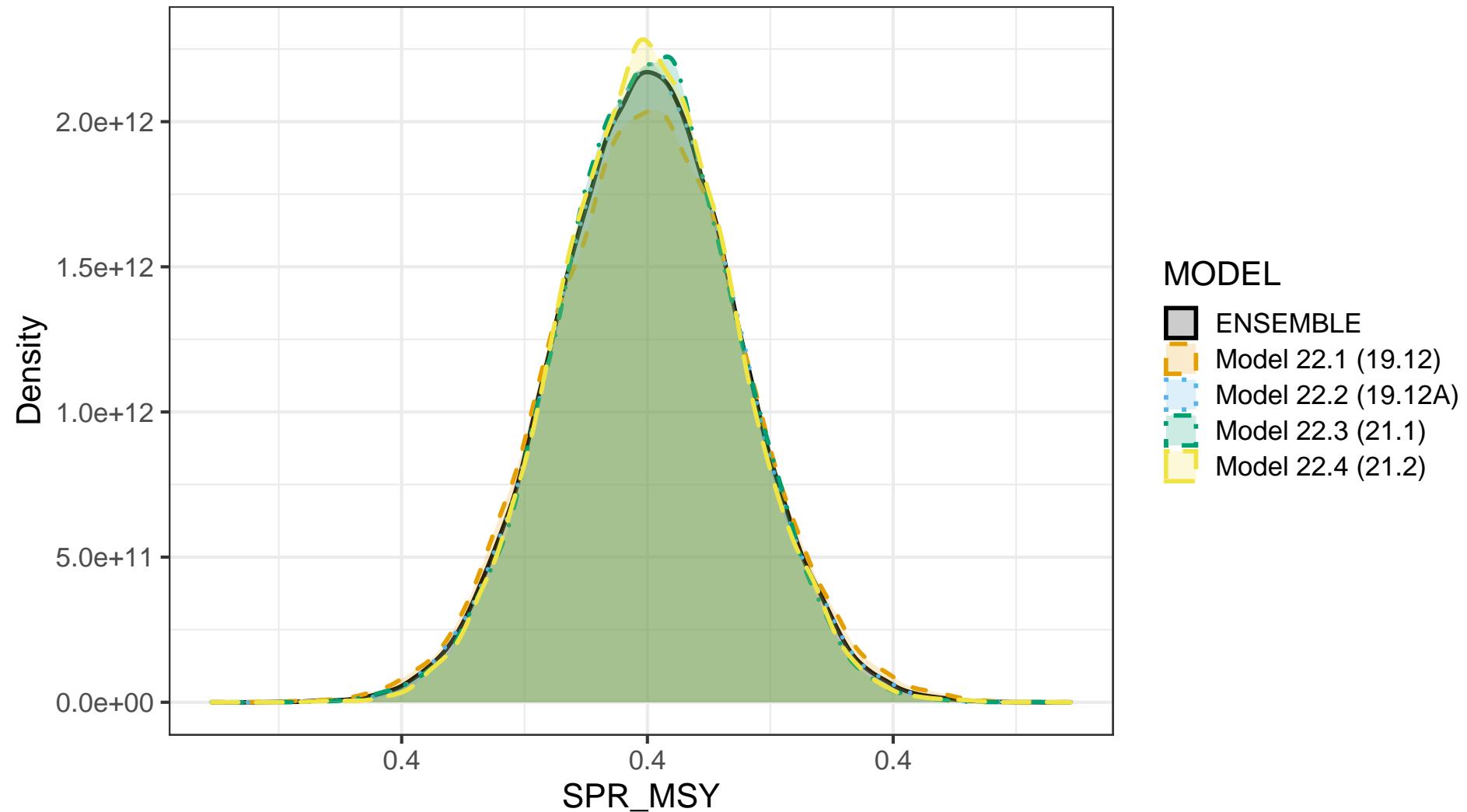
Dead_Catch_SPR



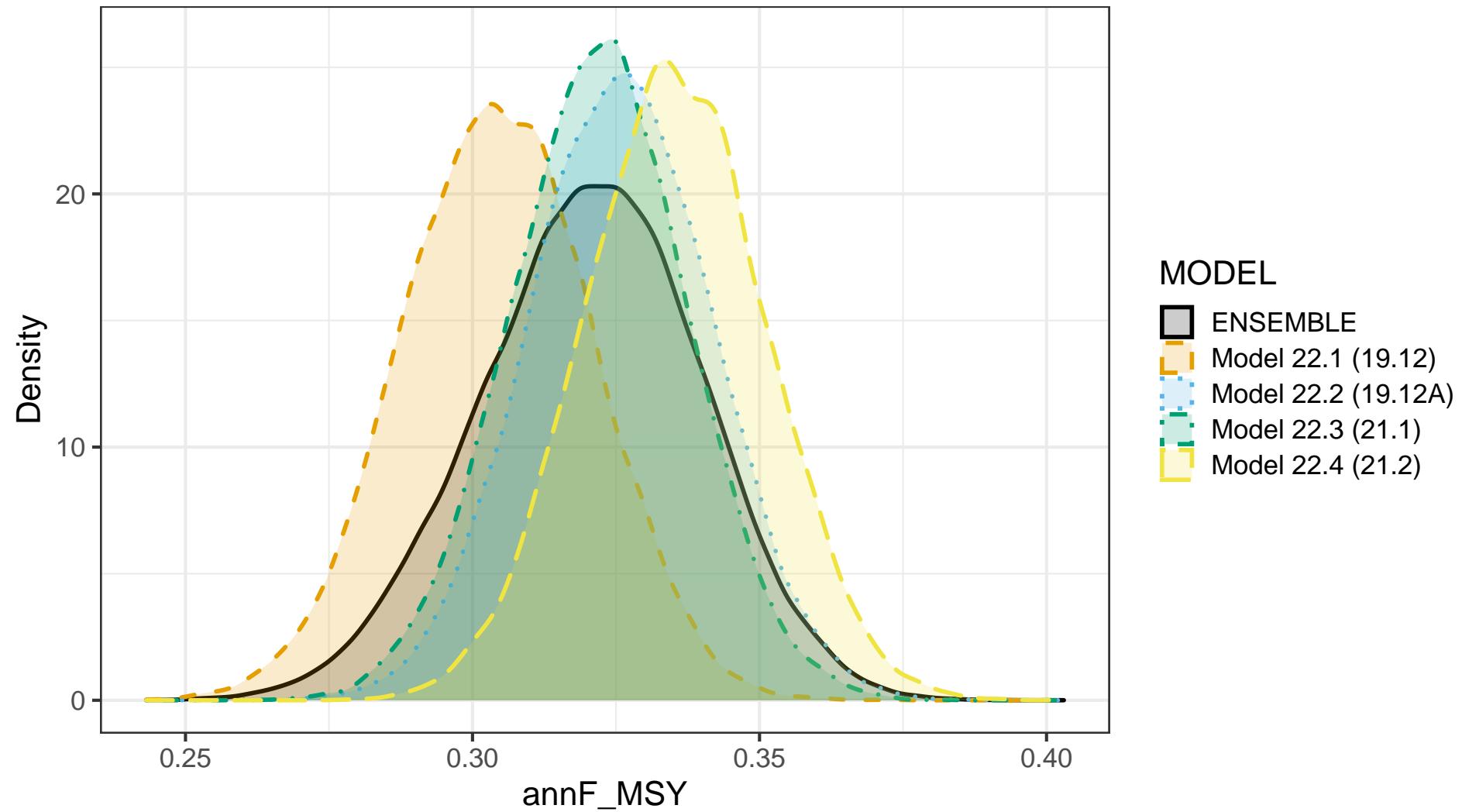
SSB_MSY



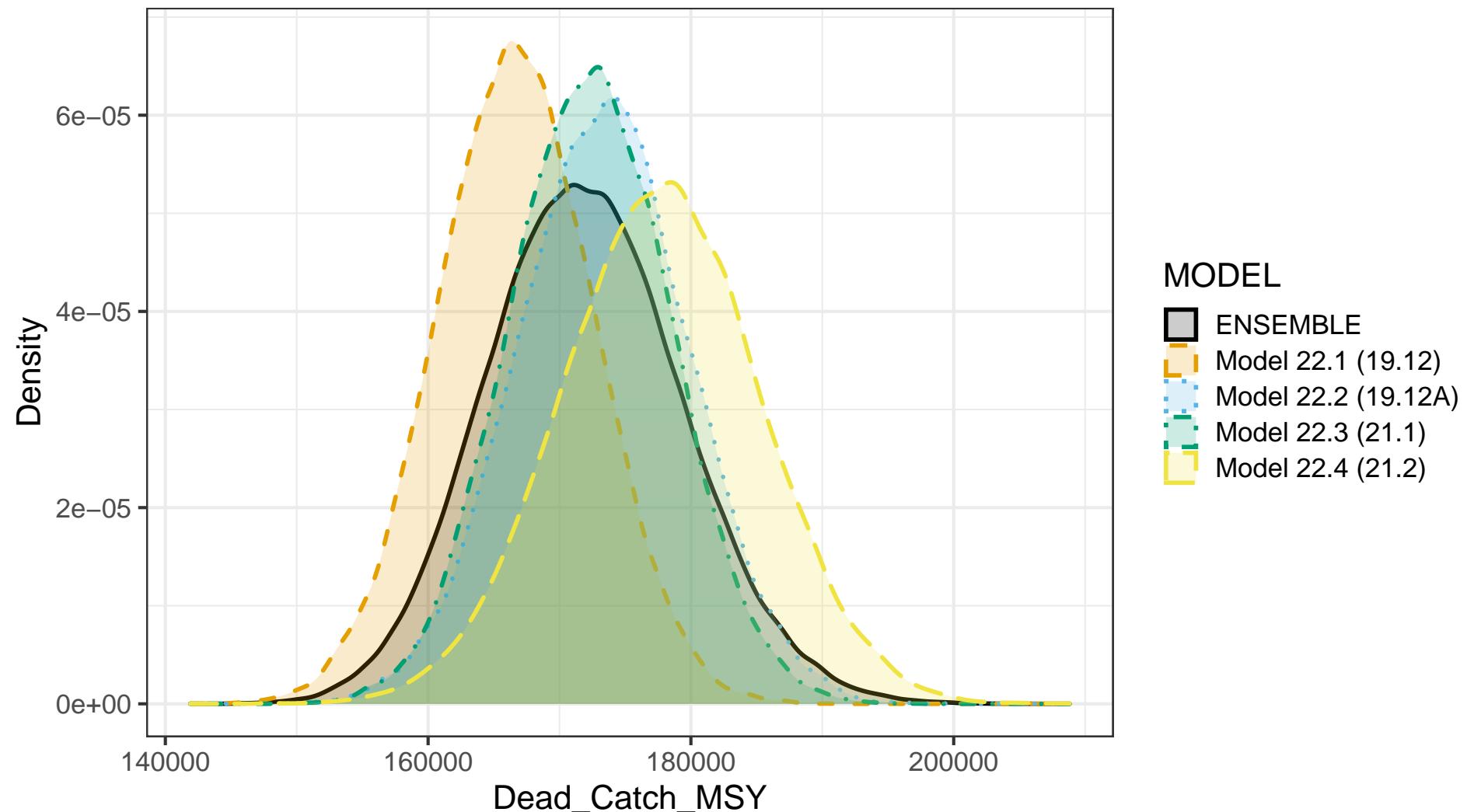
SPR_MSY



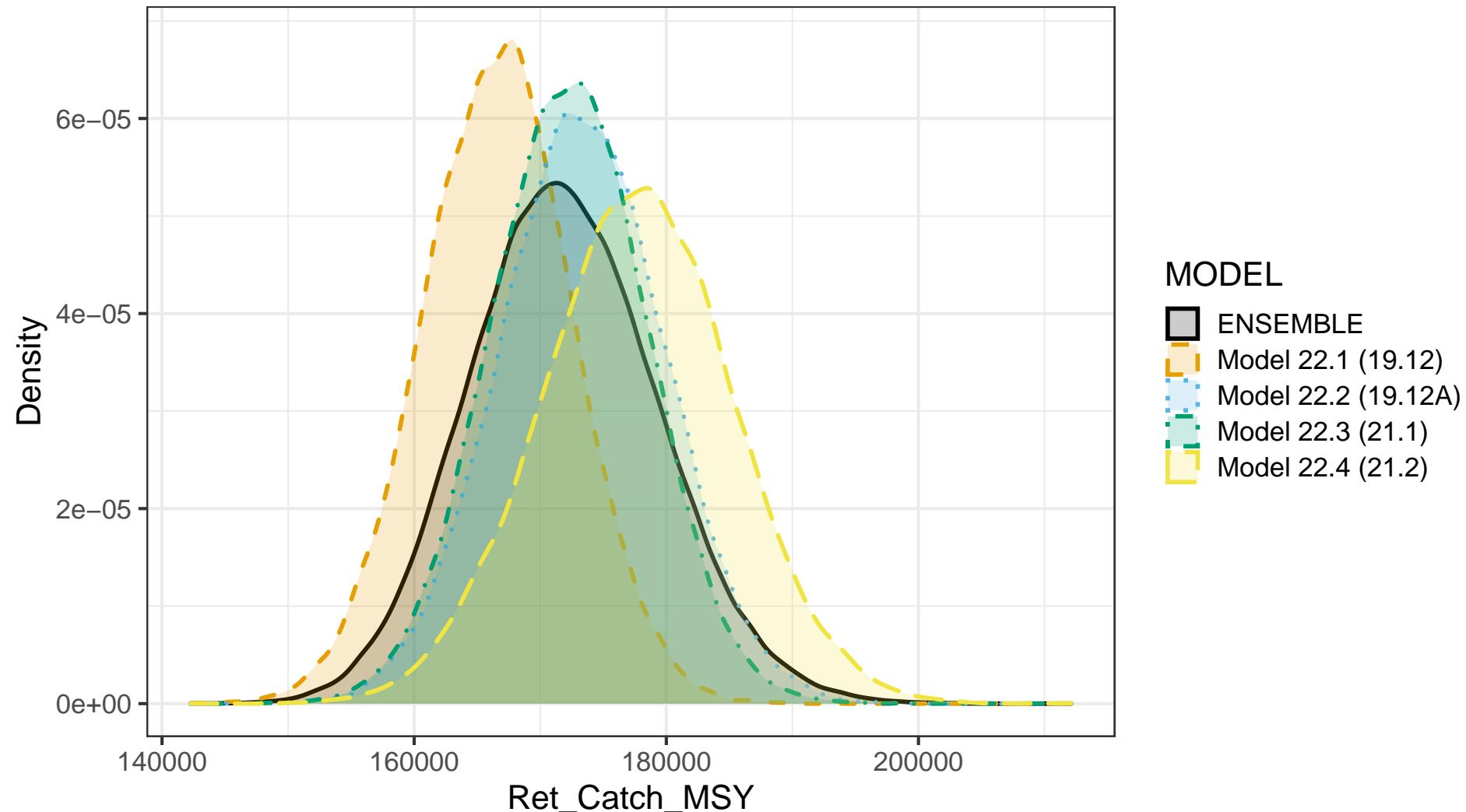
annF_MSY



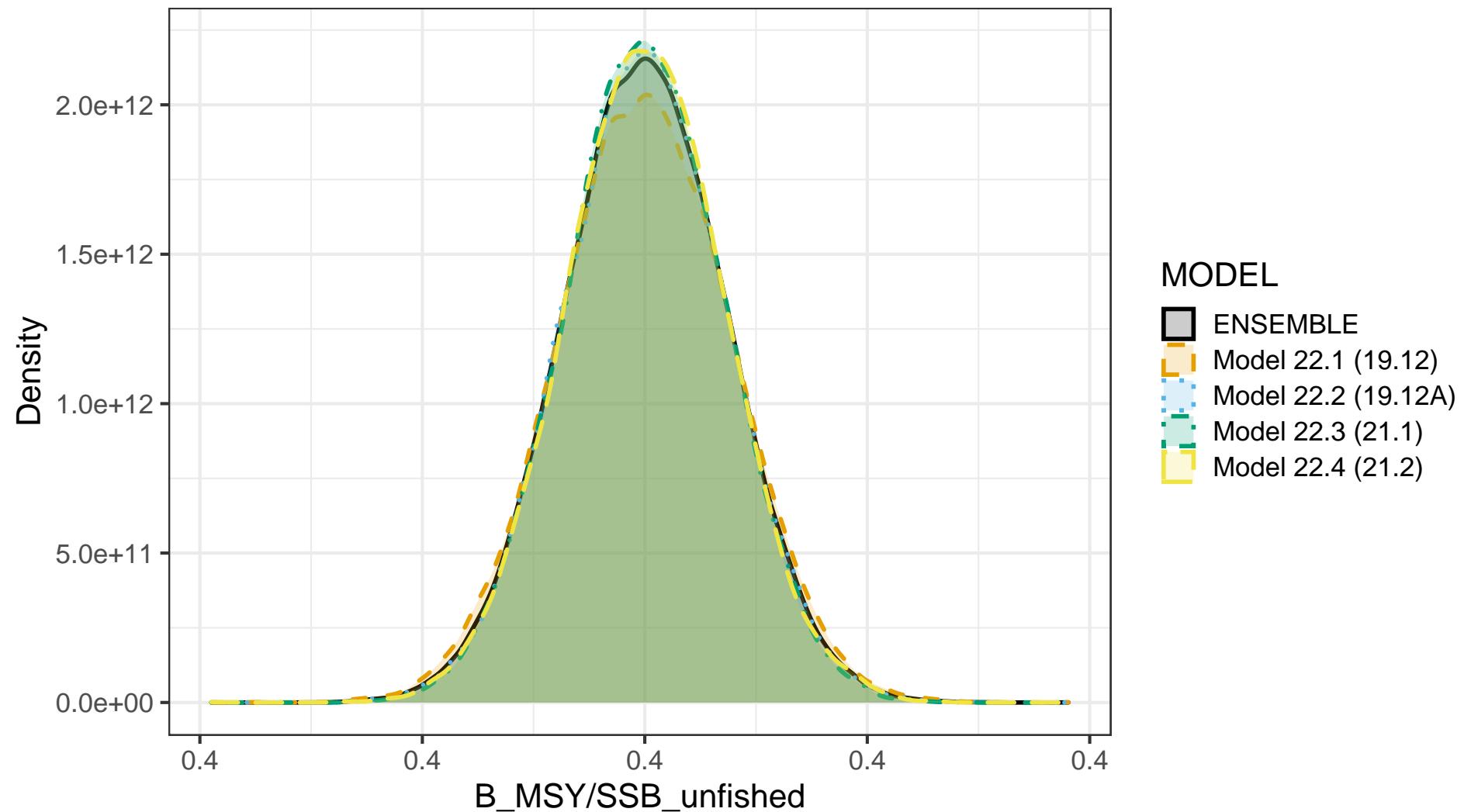
Dead_Catch_MSY



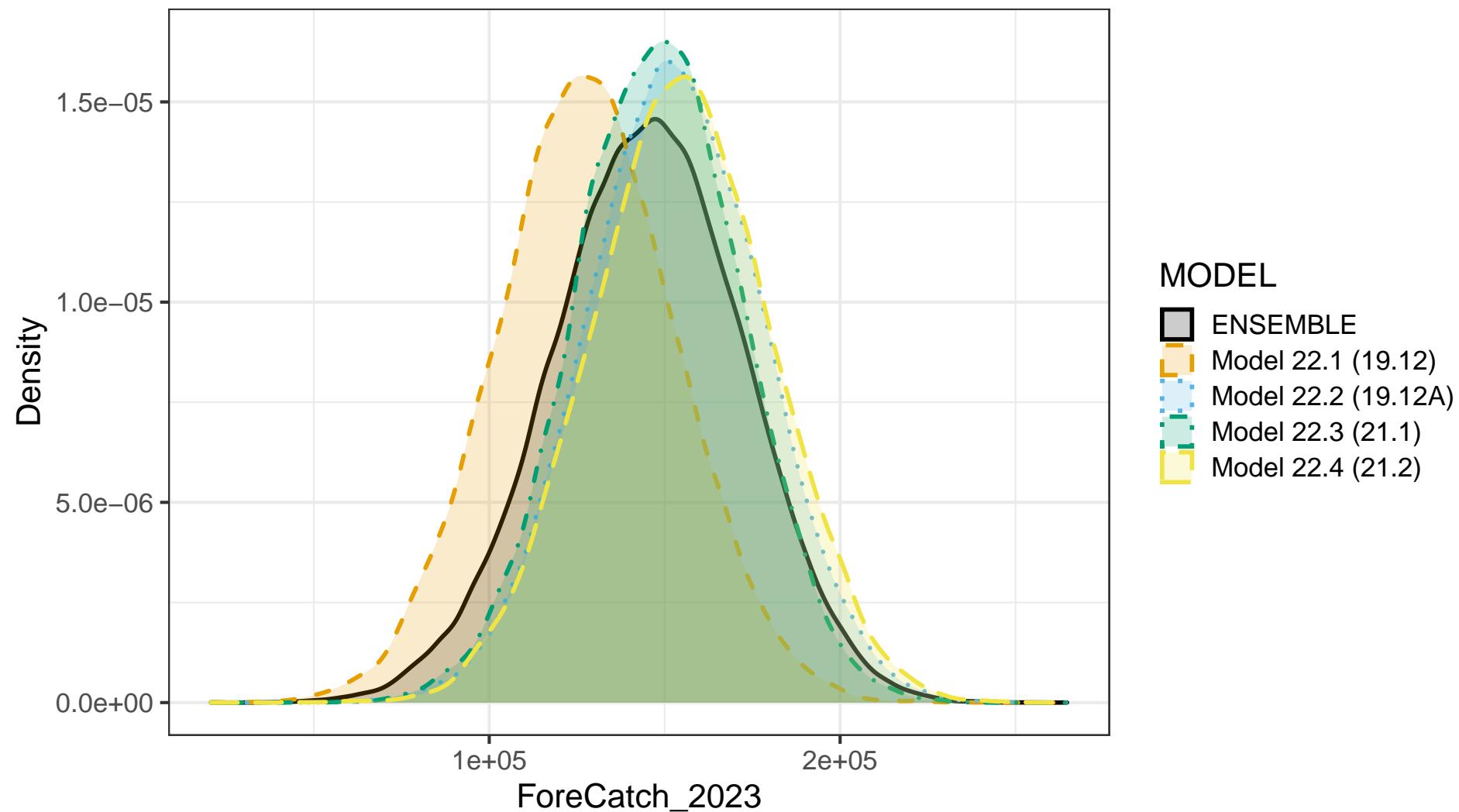
Ret_Catch_MSY



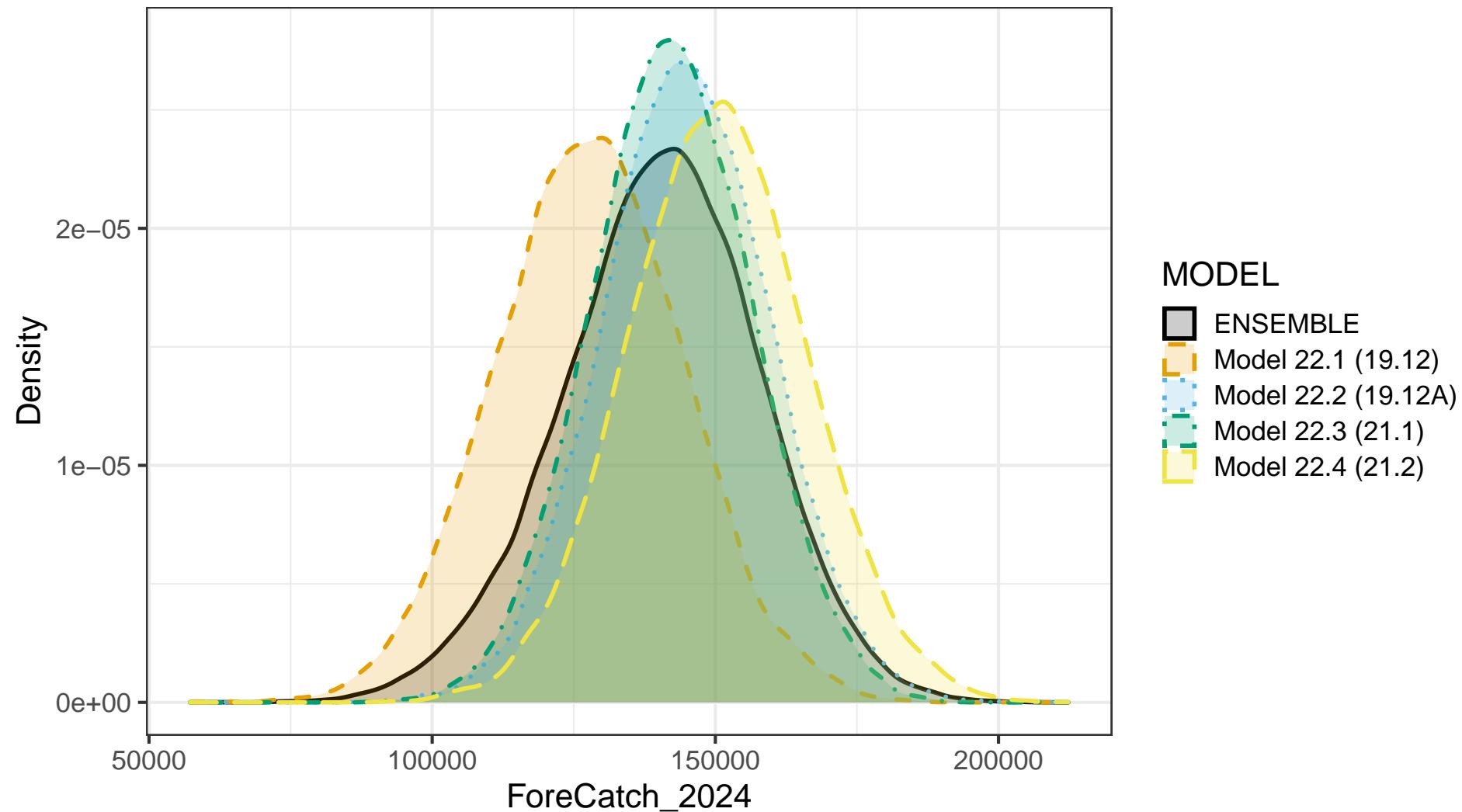
B_MSY/SSB_unfished



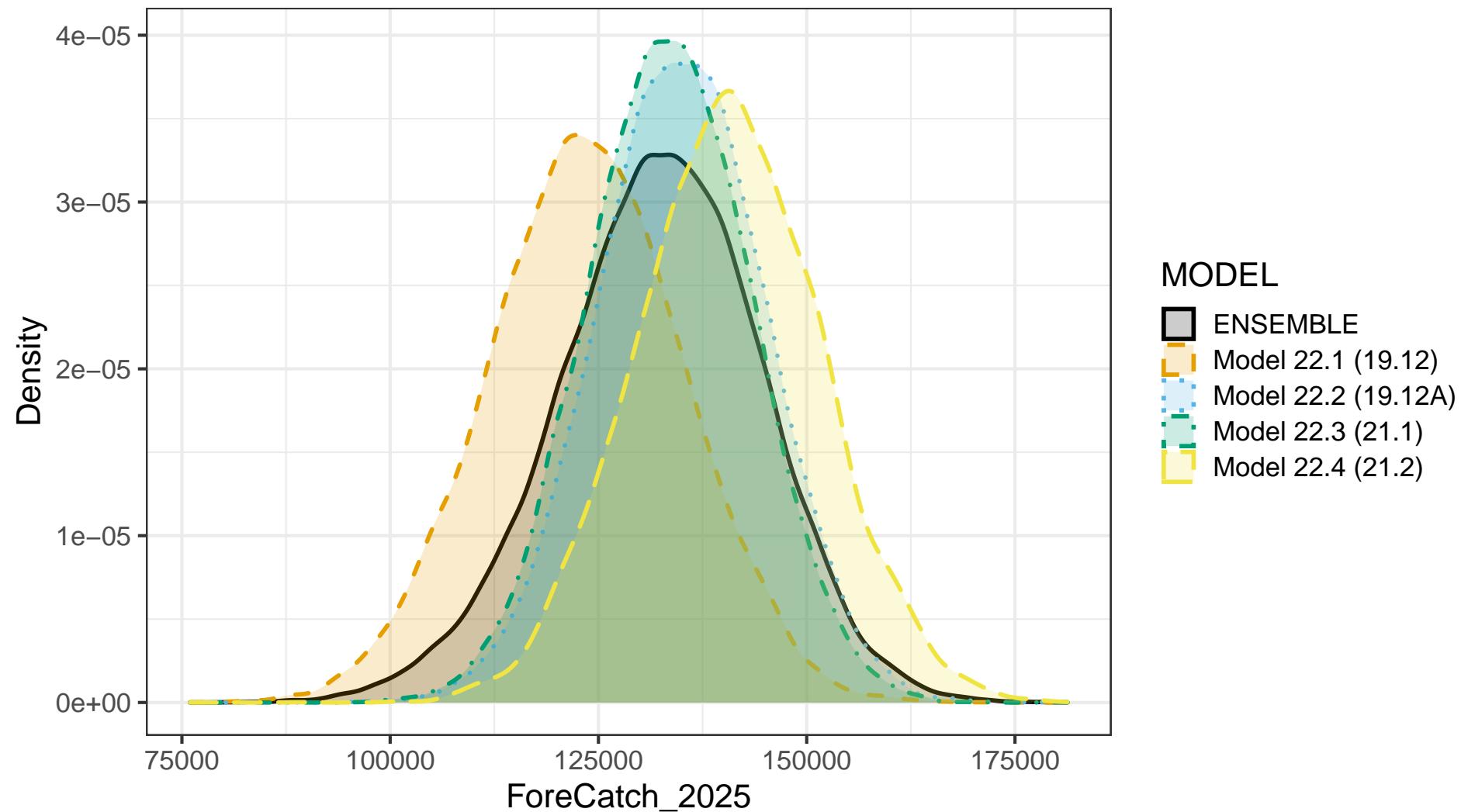
ForeCatch_2023



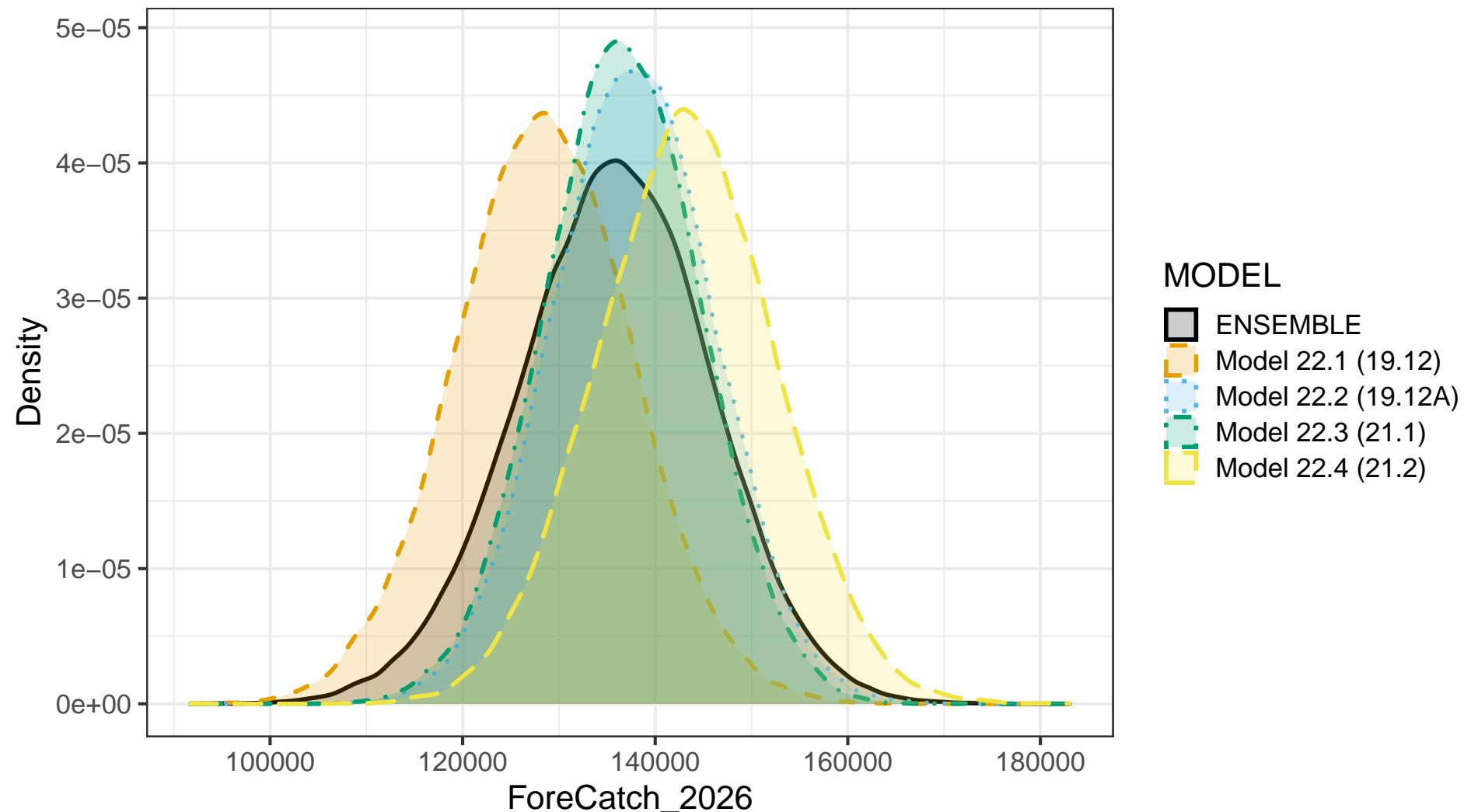
ForeCatch_2024



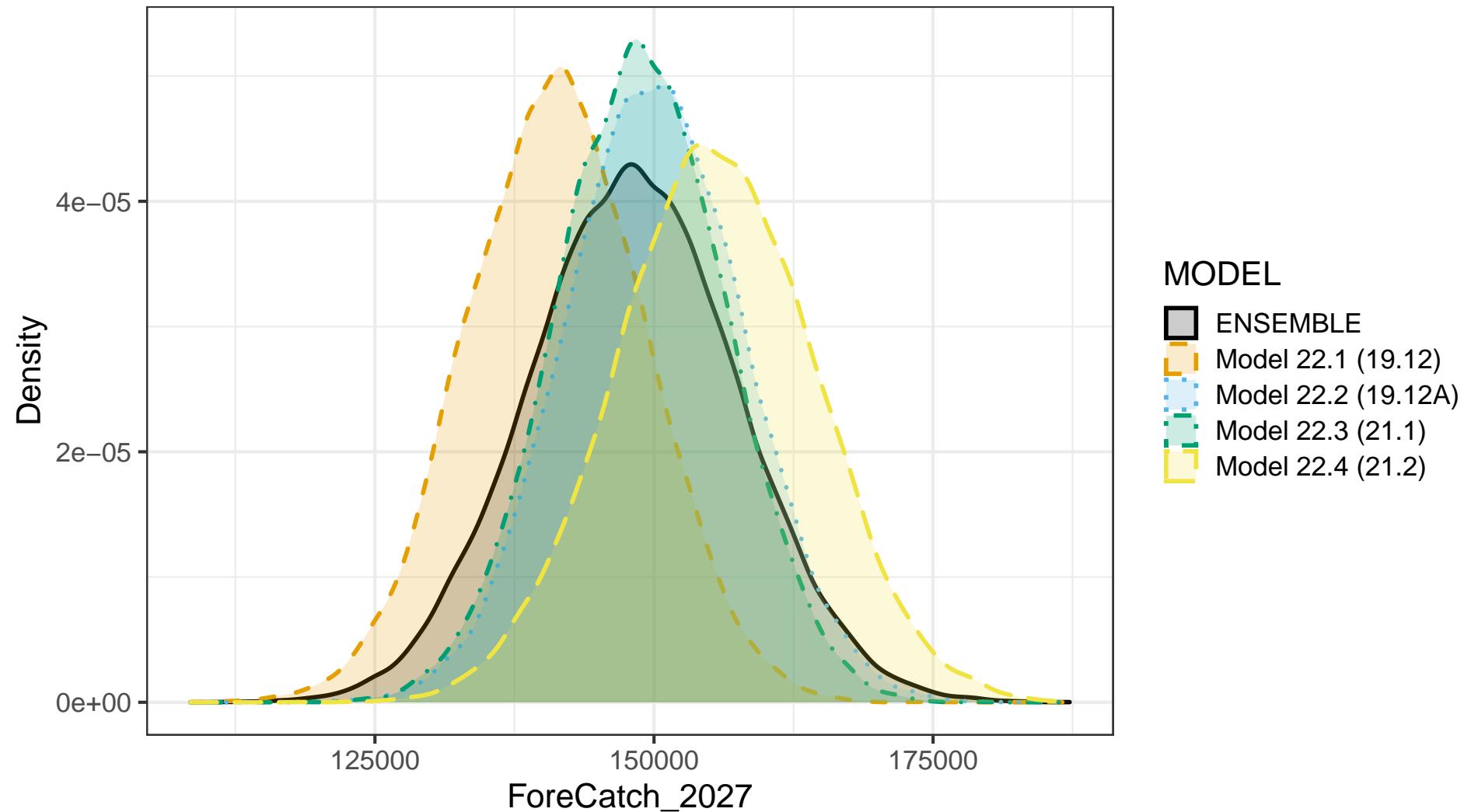
ForeCatch_2025



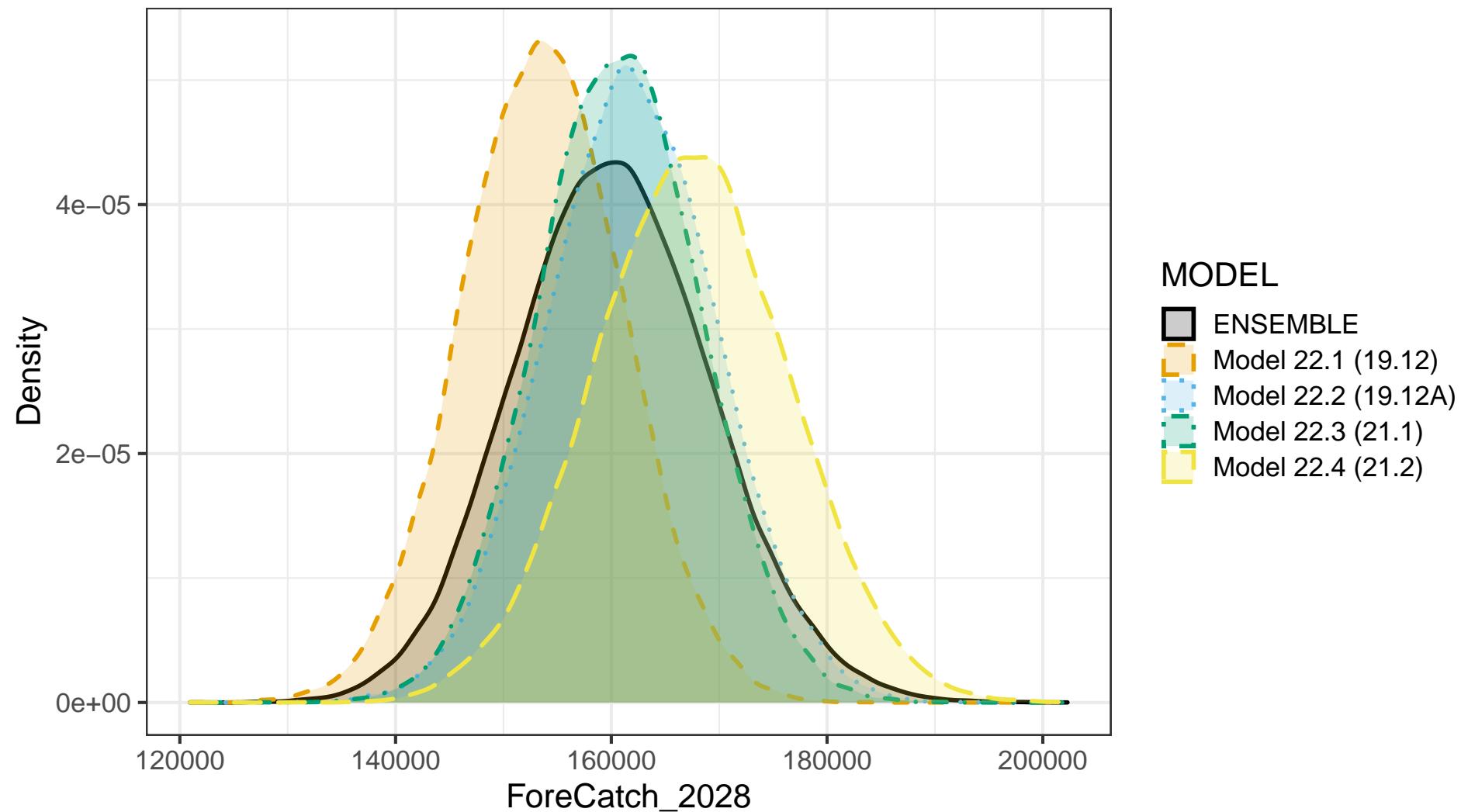
ForeCatch_2026



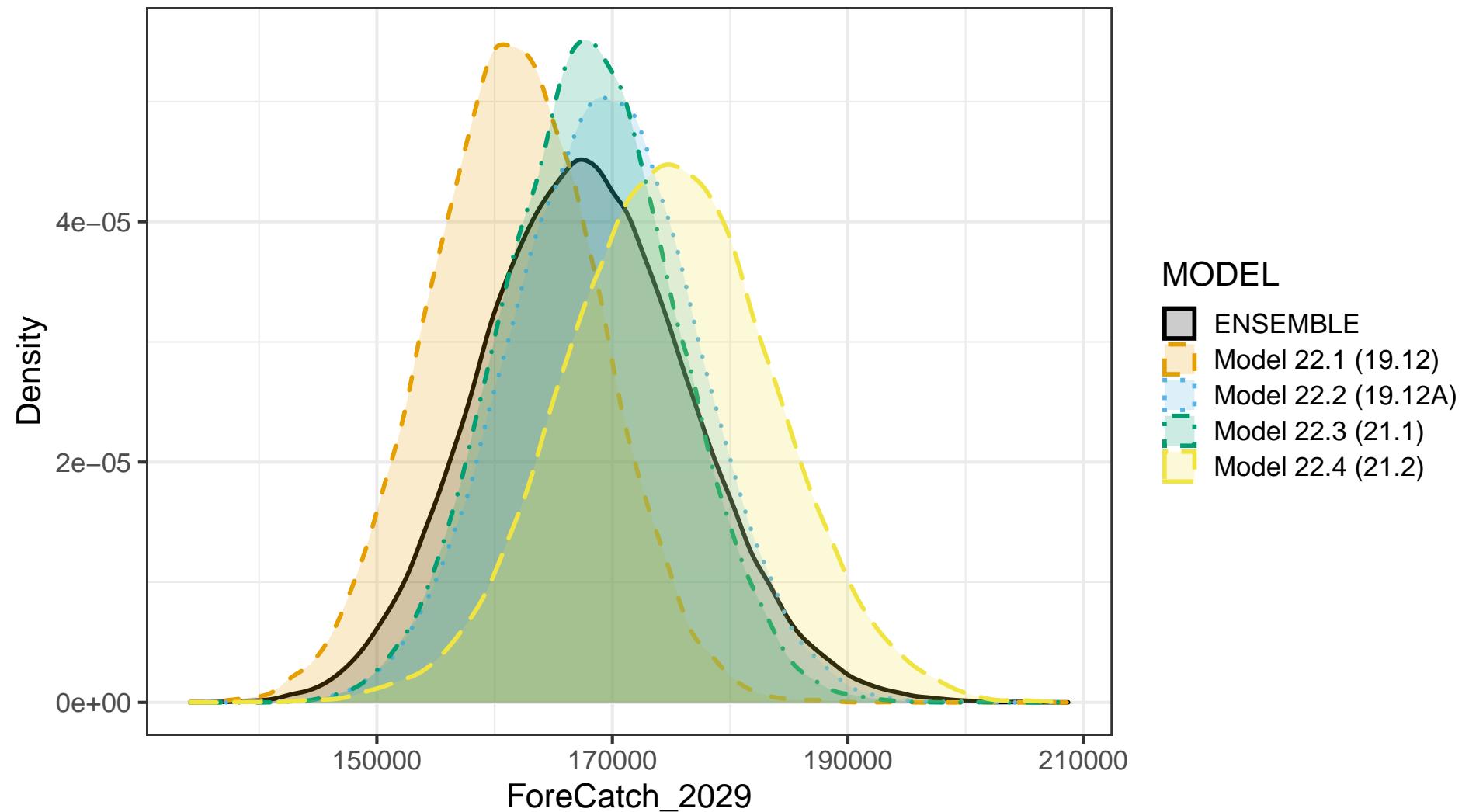
ForeCatch_2027



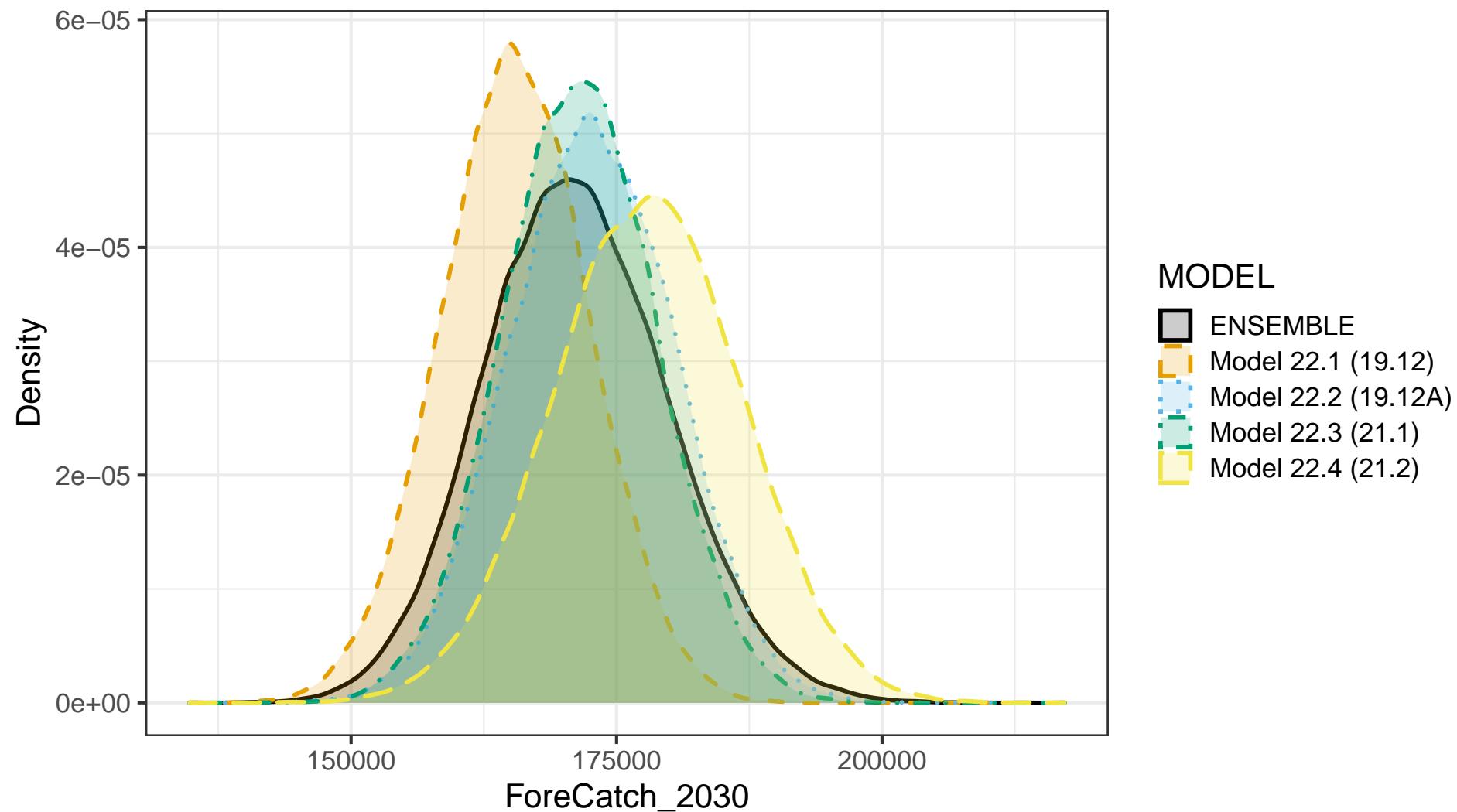
ForeCatch_2028



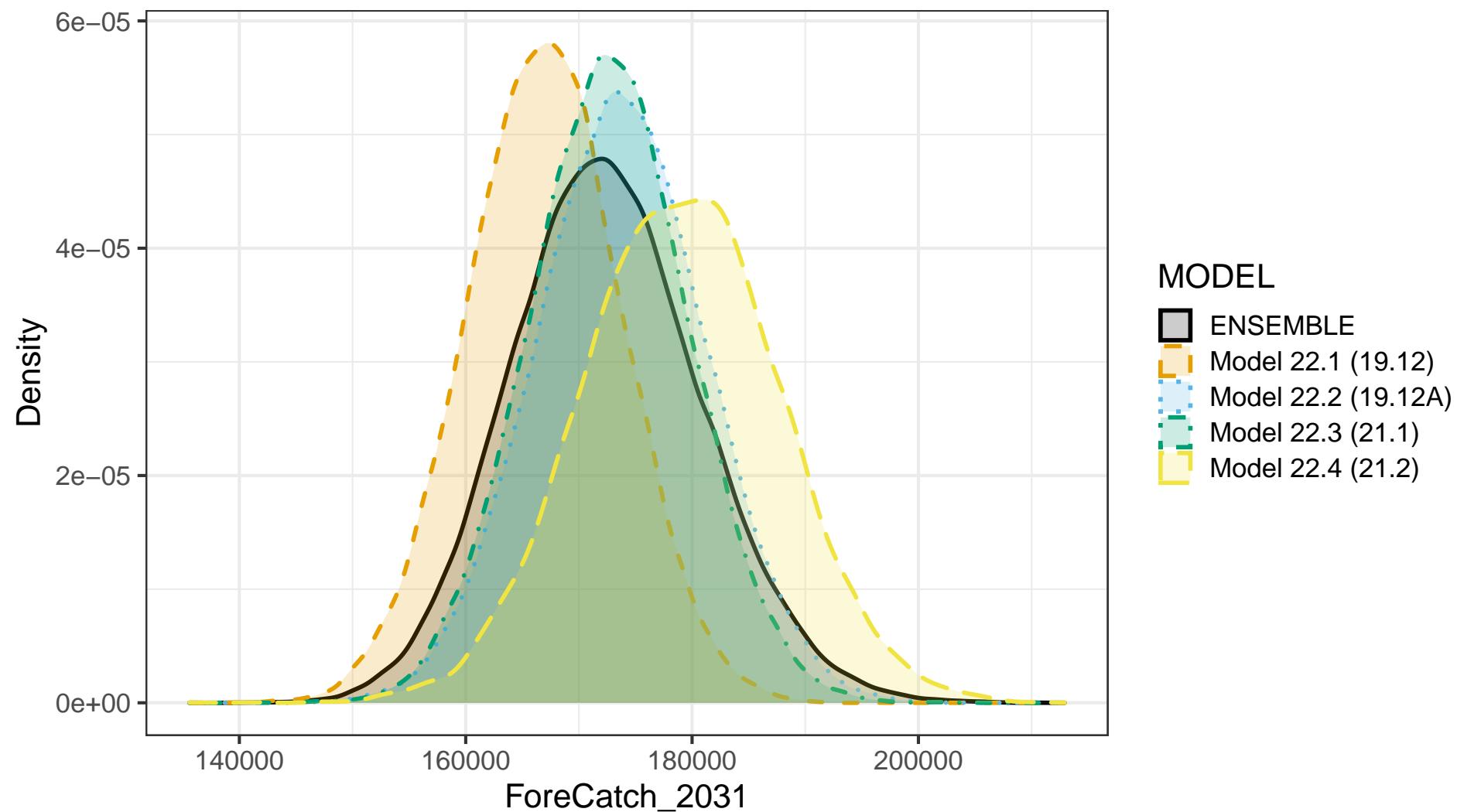
ForeCatch_2029



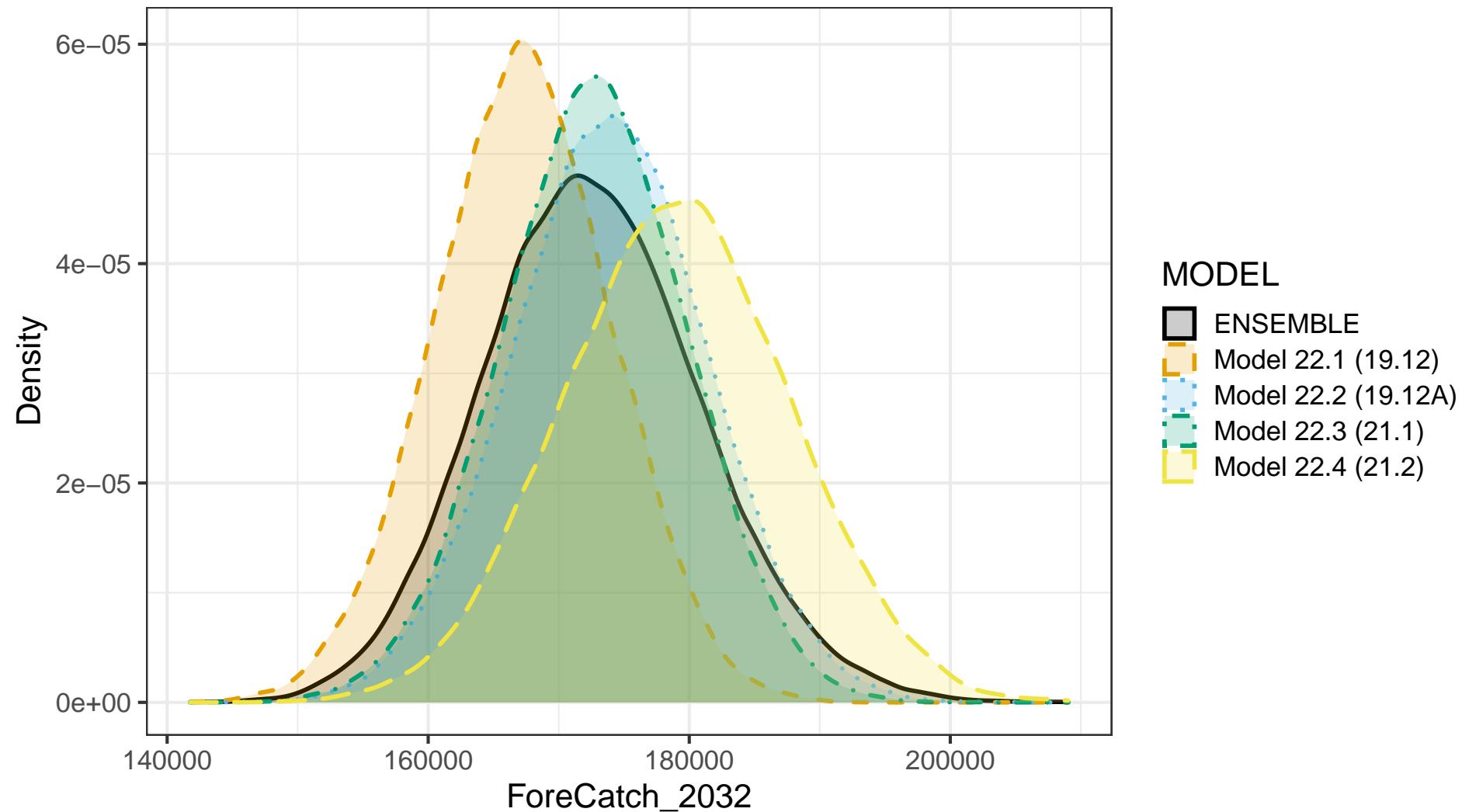
ForeCatch_2030



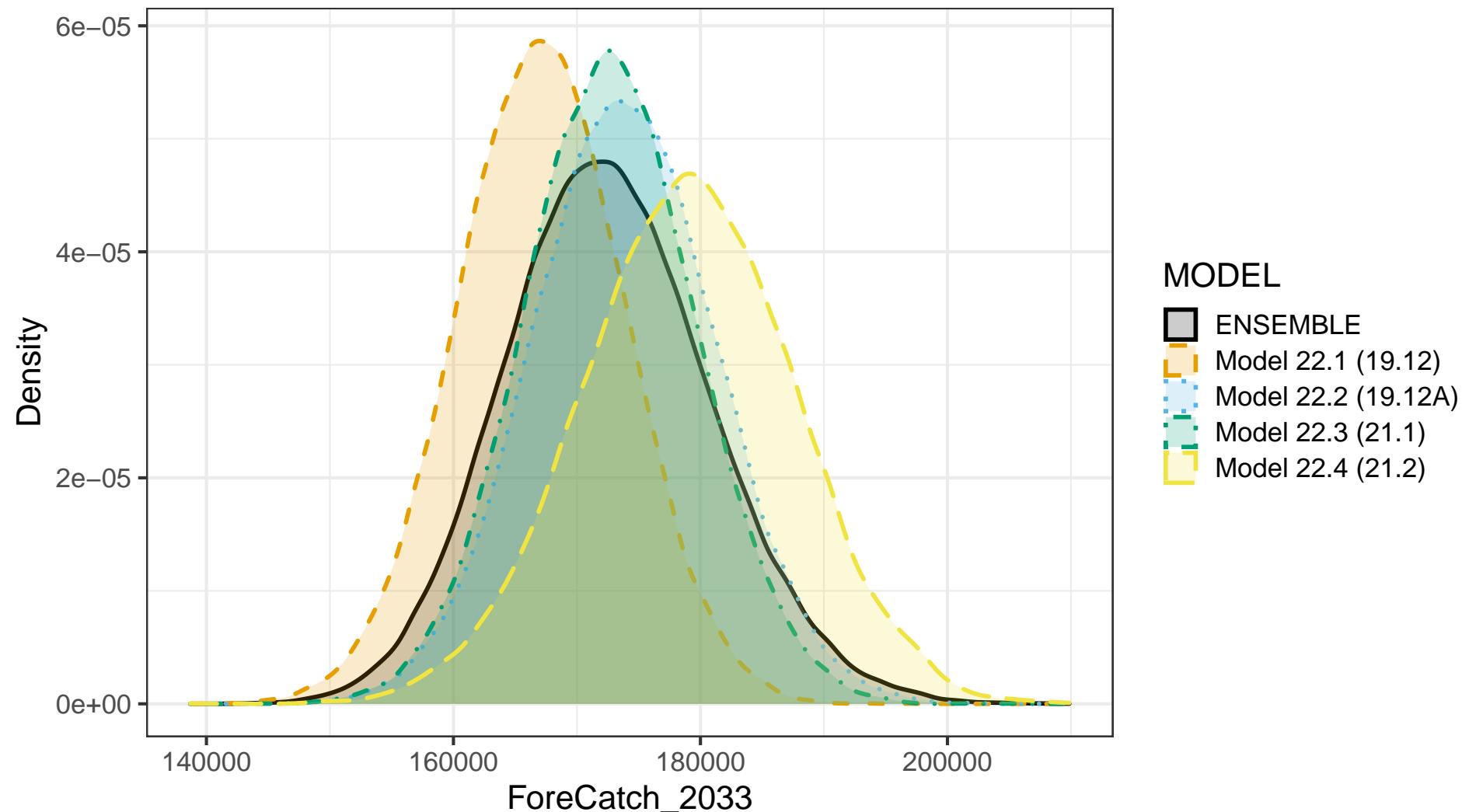
ForeCatch_2031



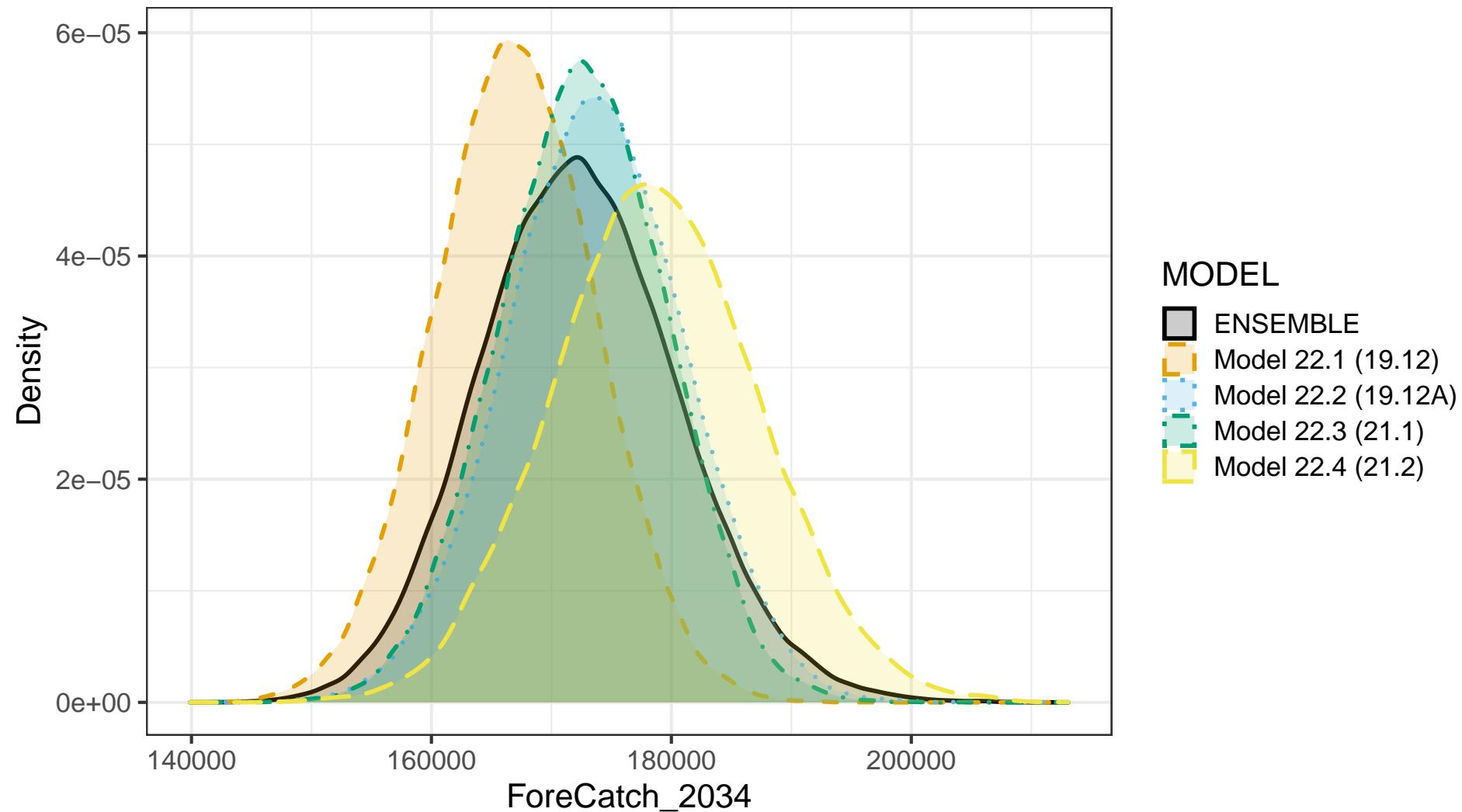
ForeCatch_2032



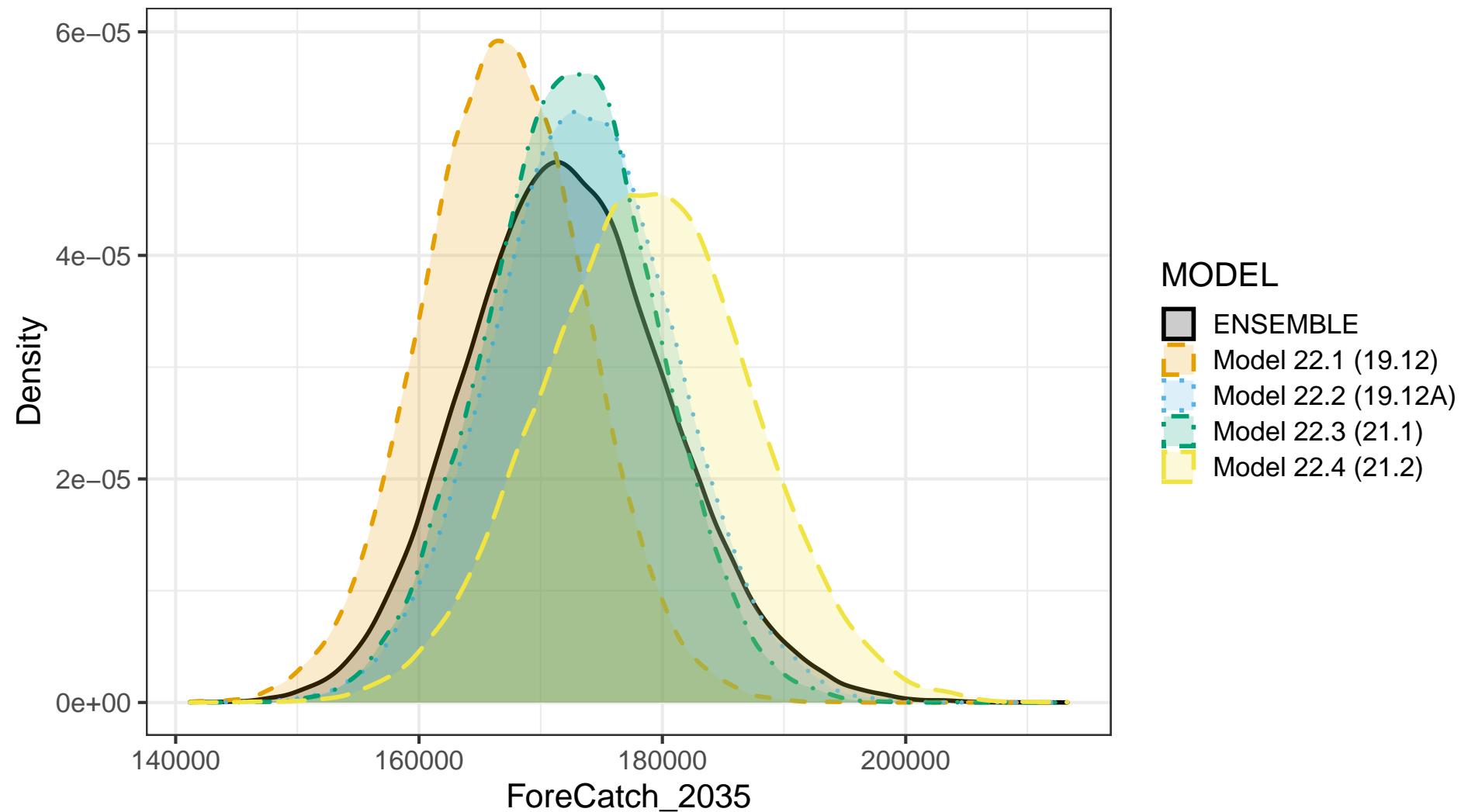
ForeCatch_2033



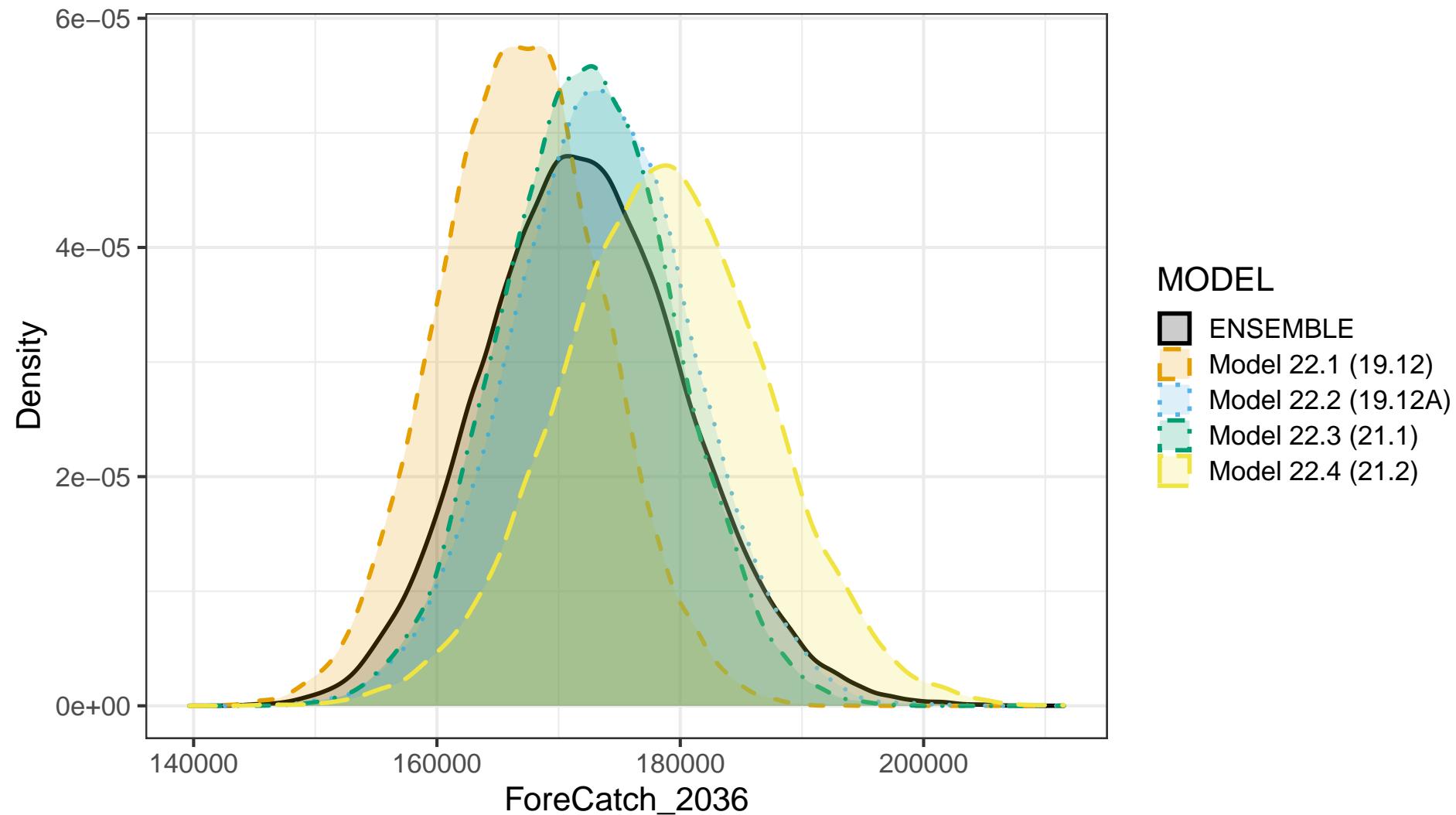
ForeCatch_2034



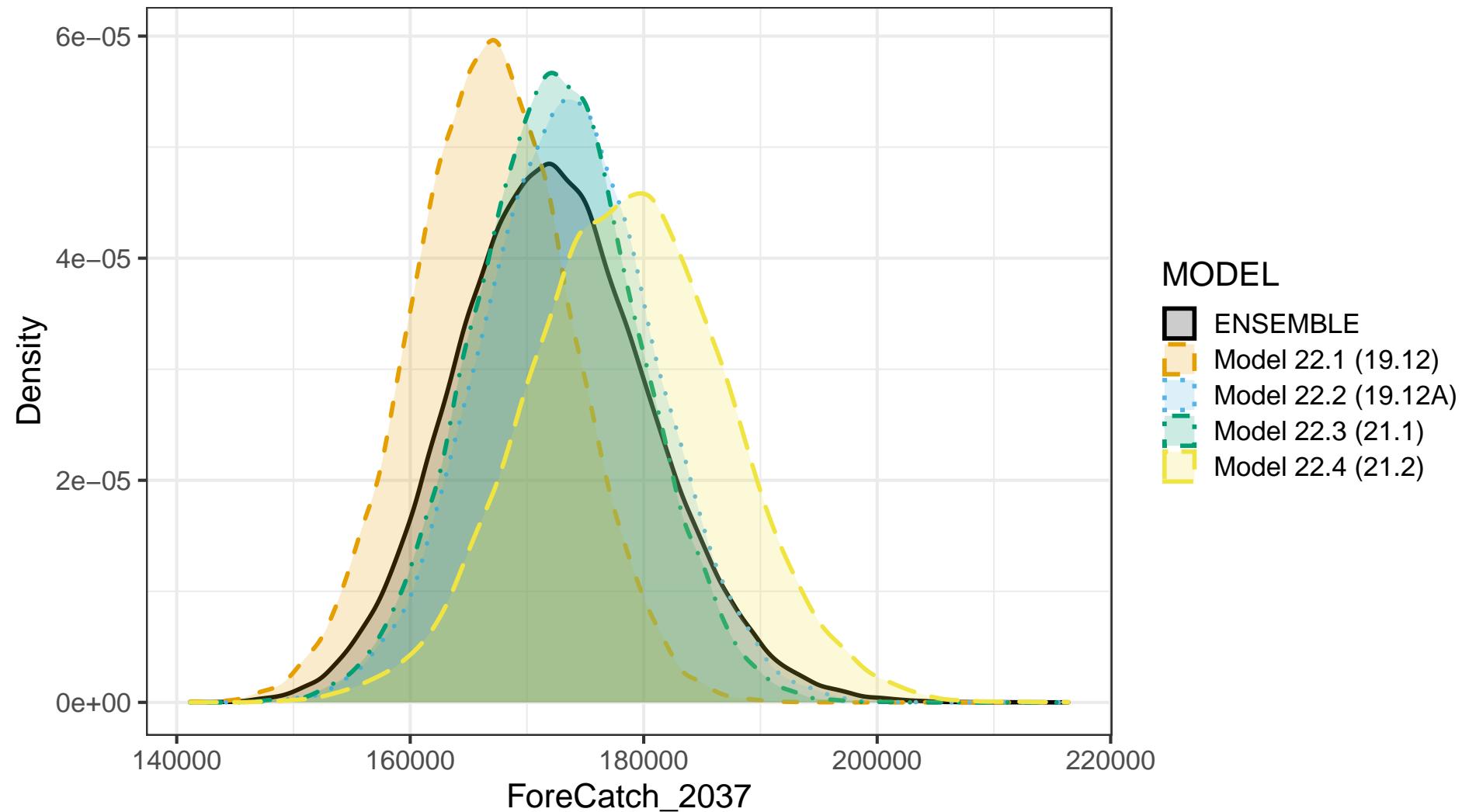
ForeCatch_2035



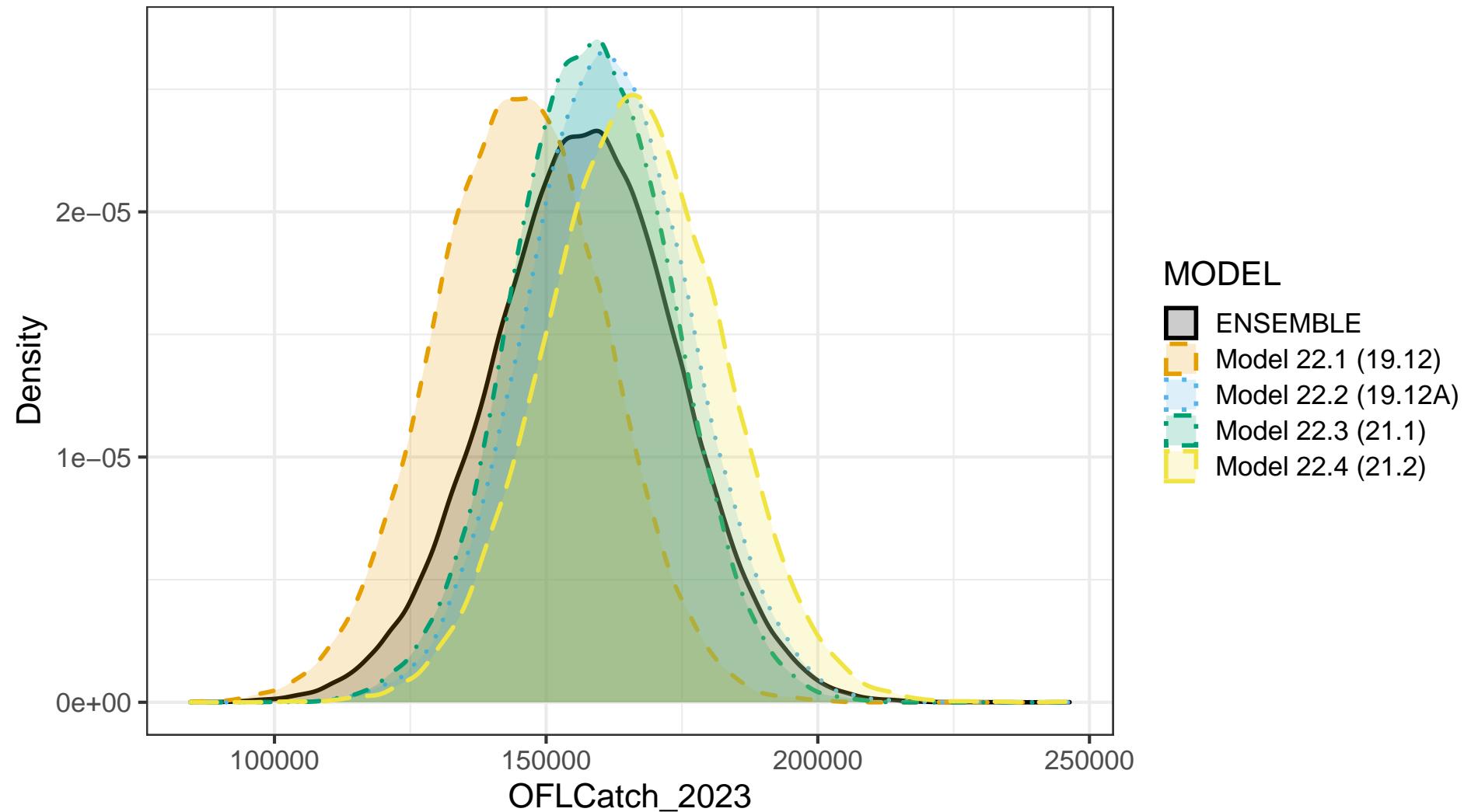
ForeCatch_2036



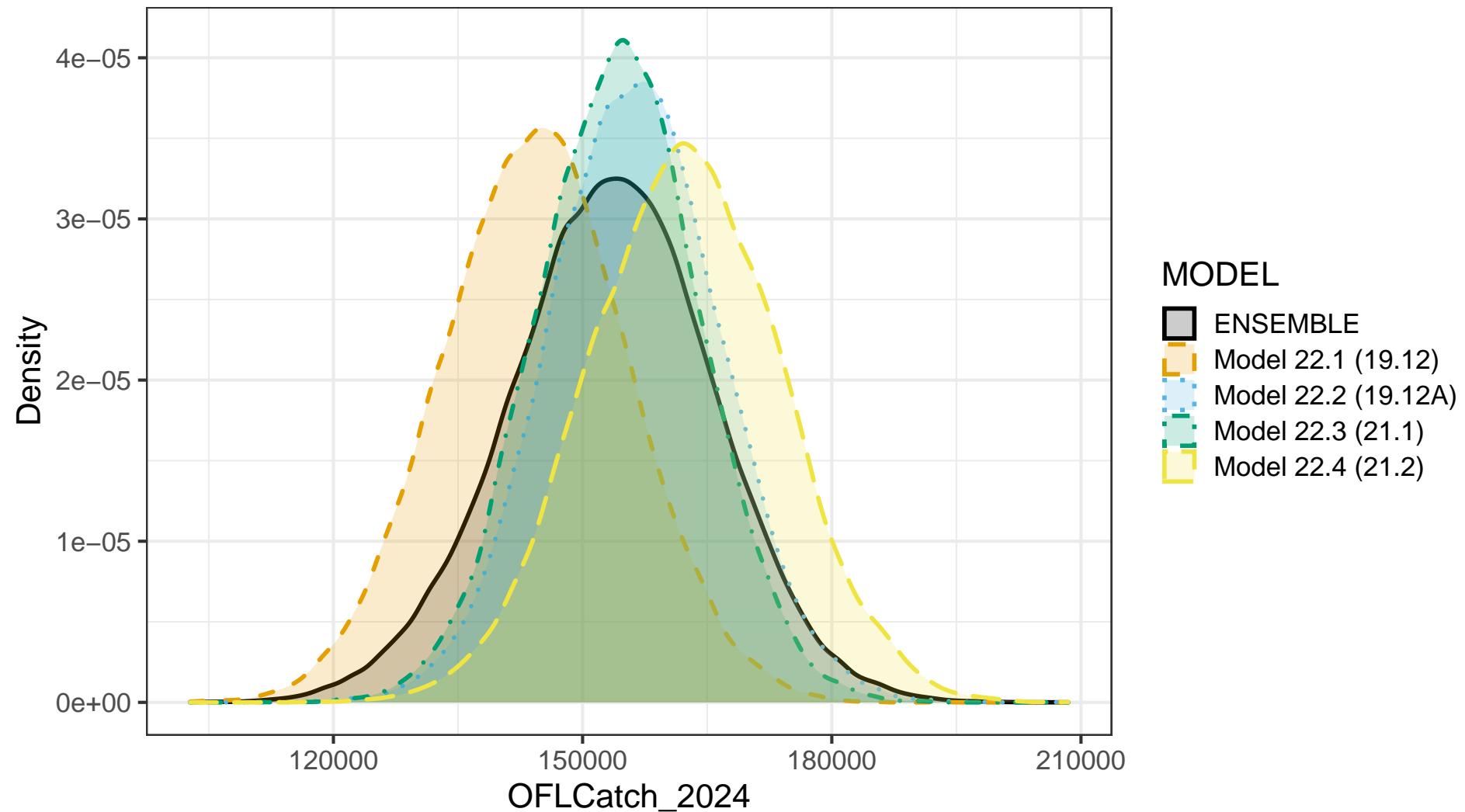
ForeCatch_2037



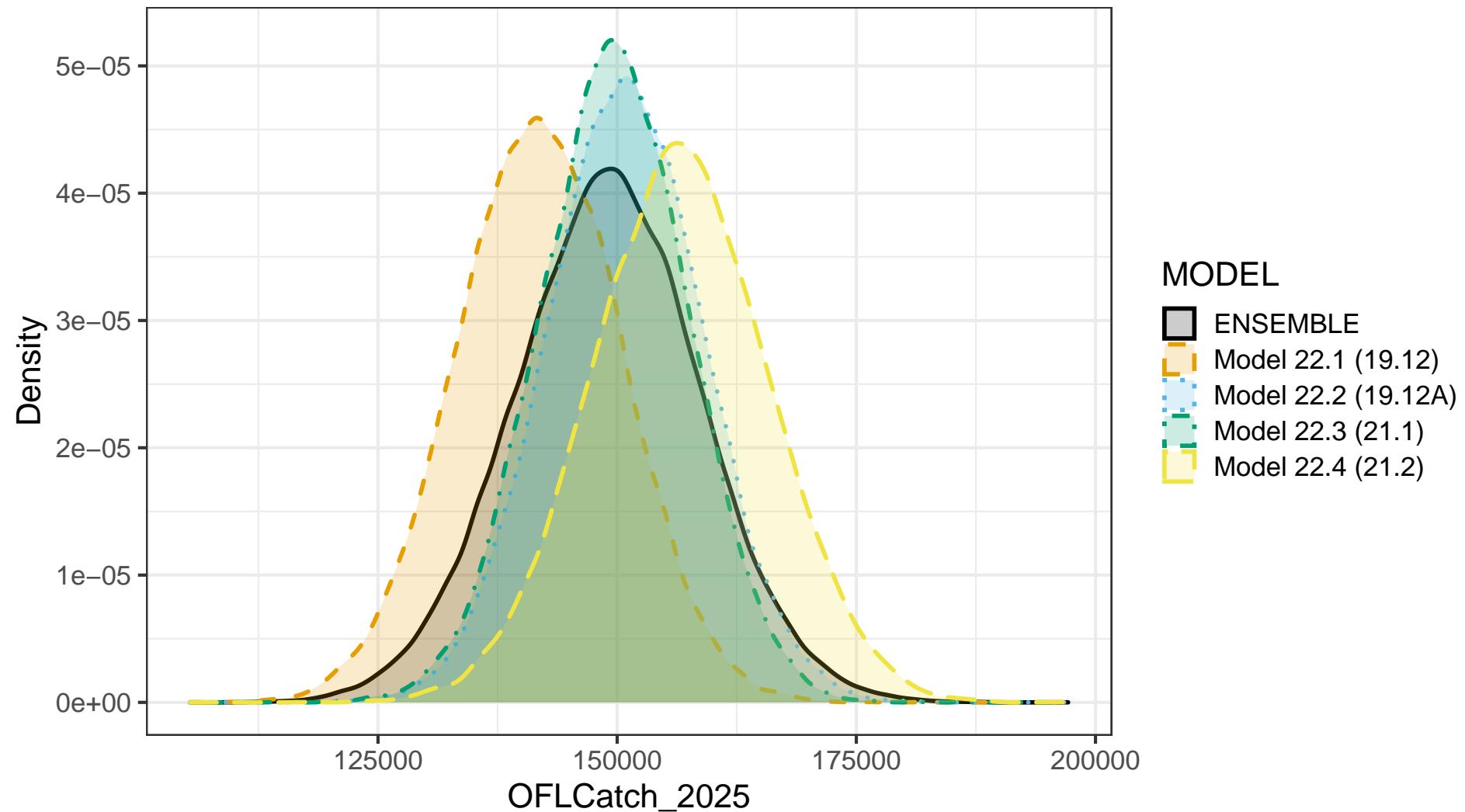
OFLCatch_2023



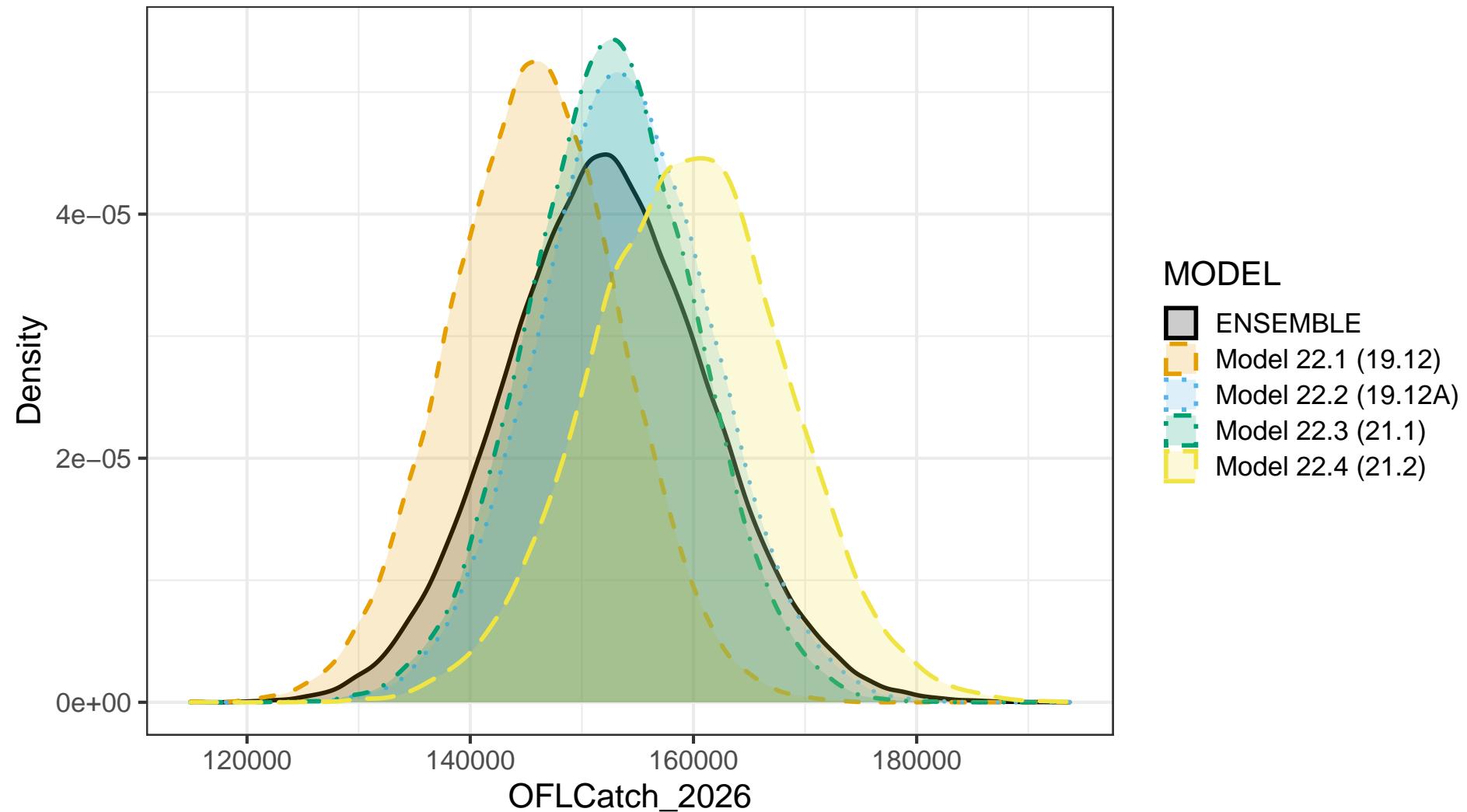
OFLCatch_2024



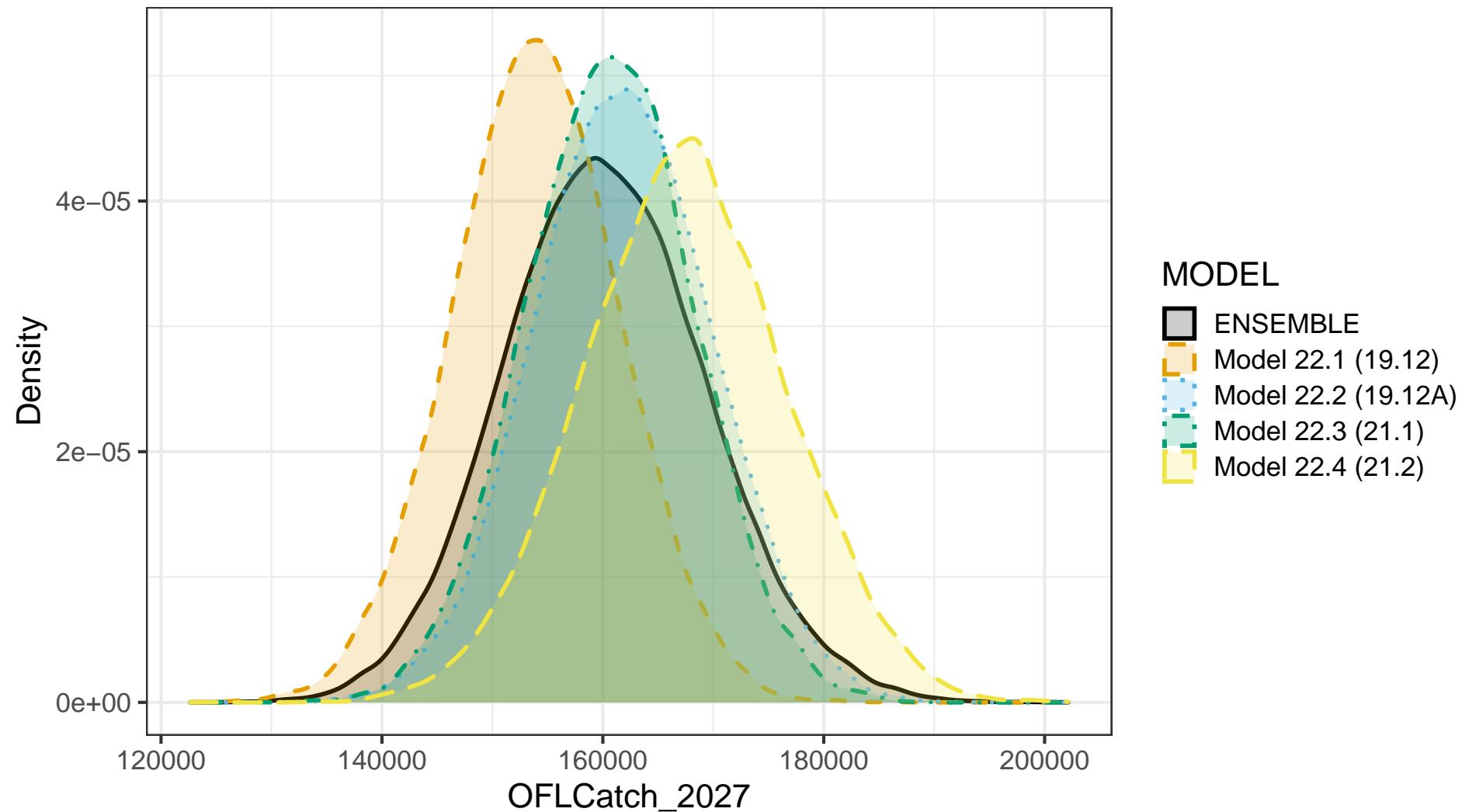
OFLCatch_2025



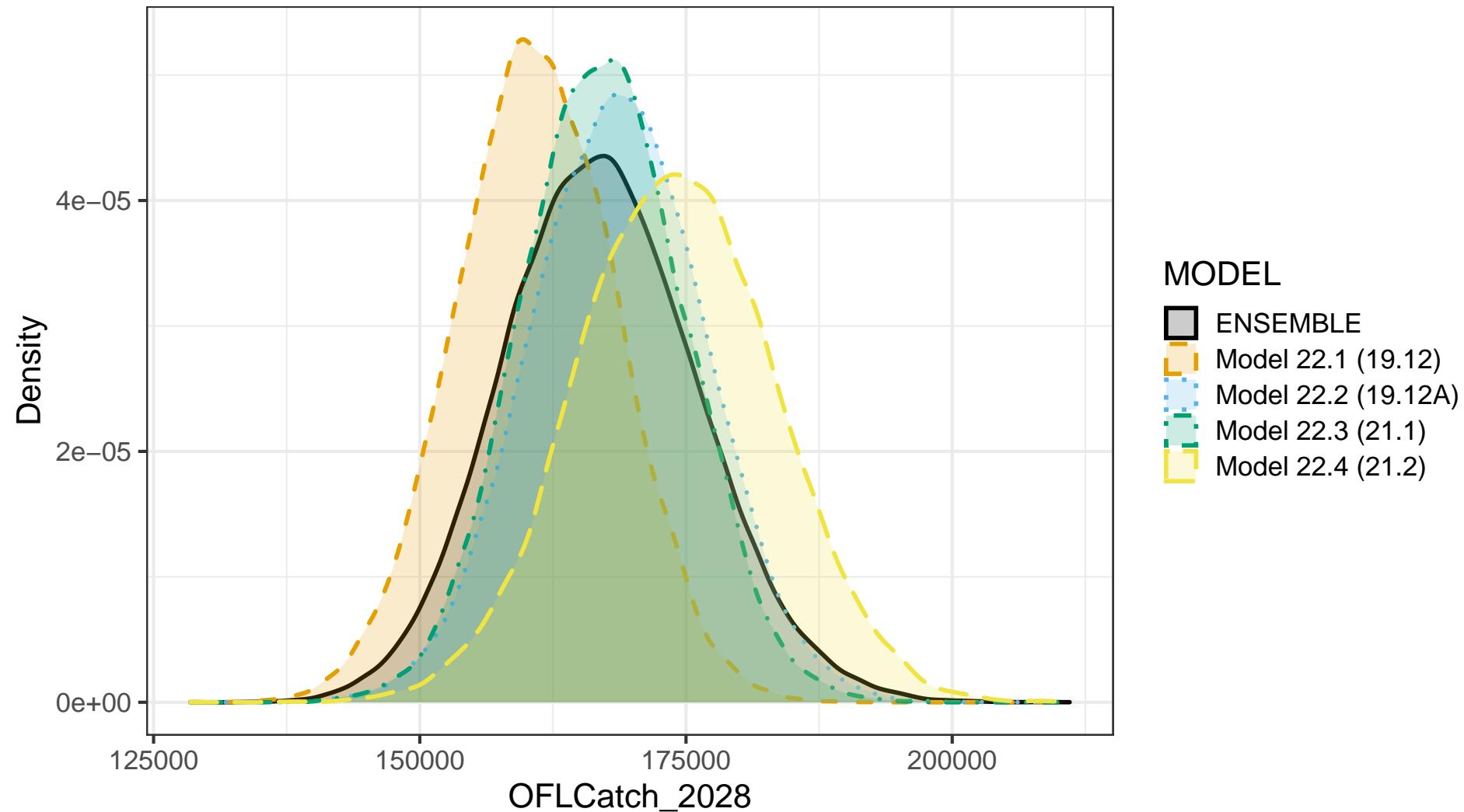
OFLCatch_2026



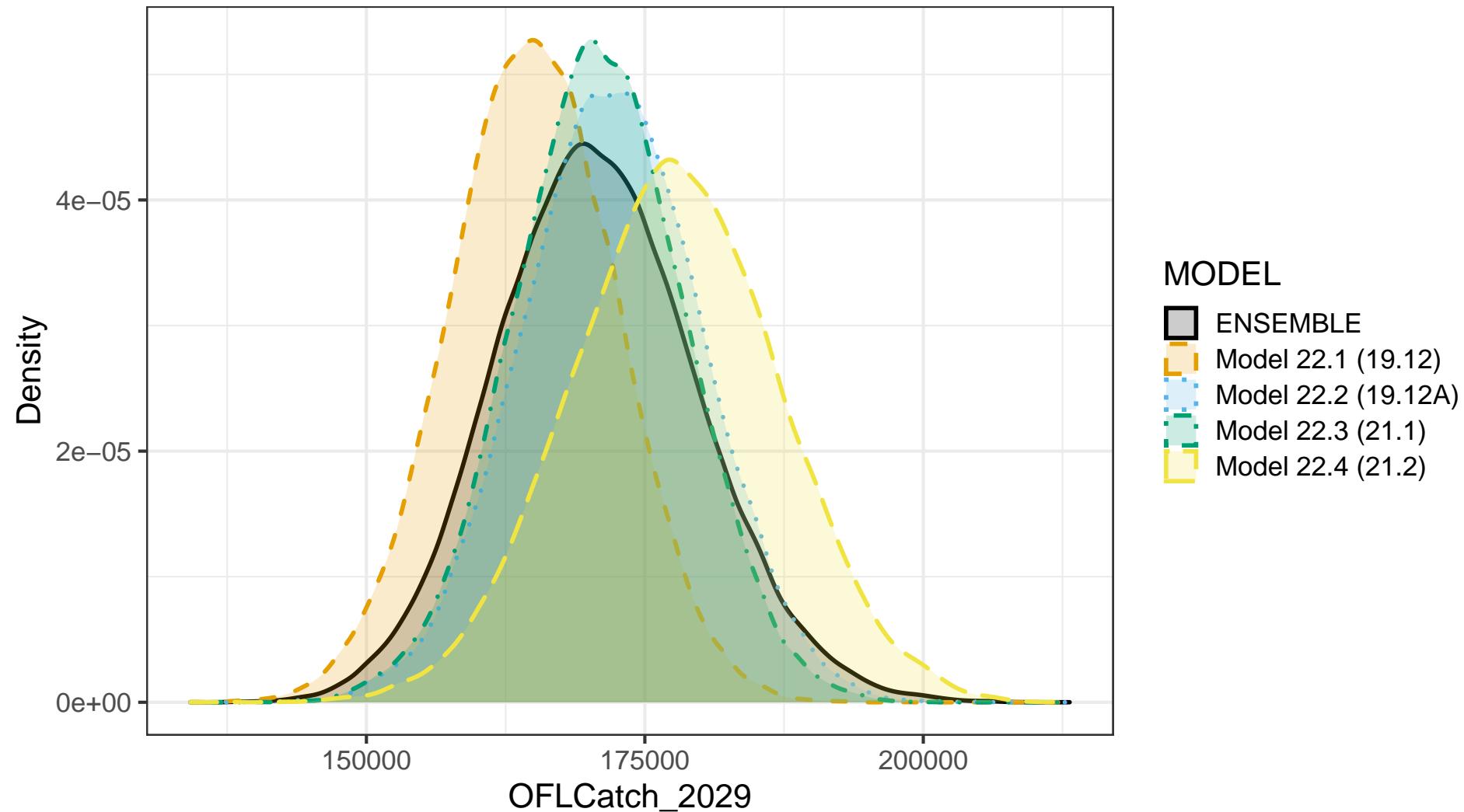
OFLCatch_2027



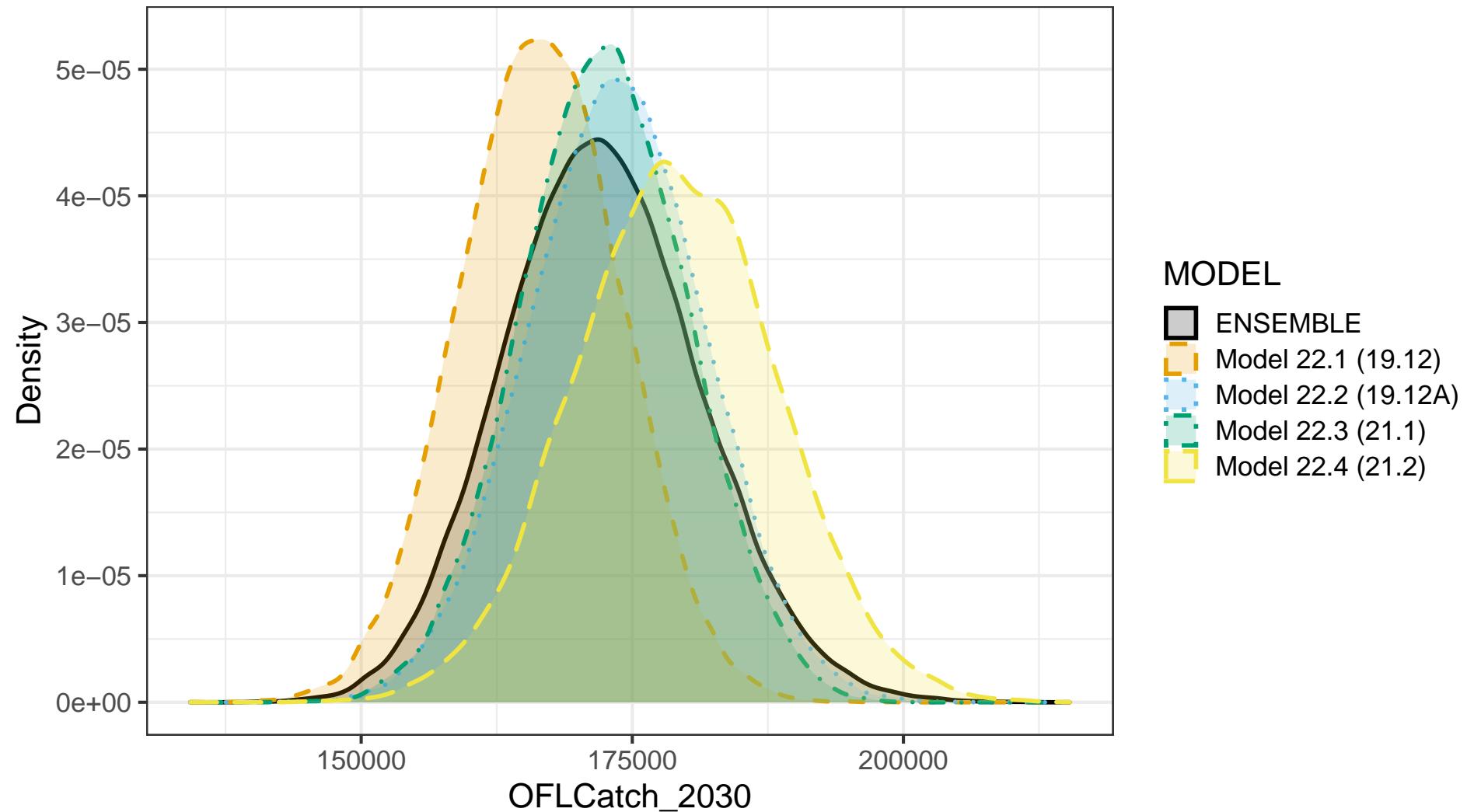
OFLCatch_2028



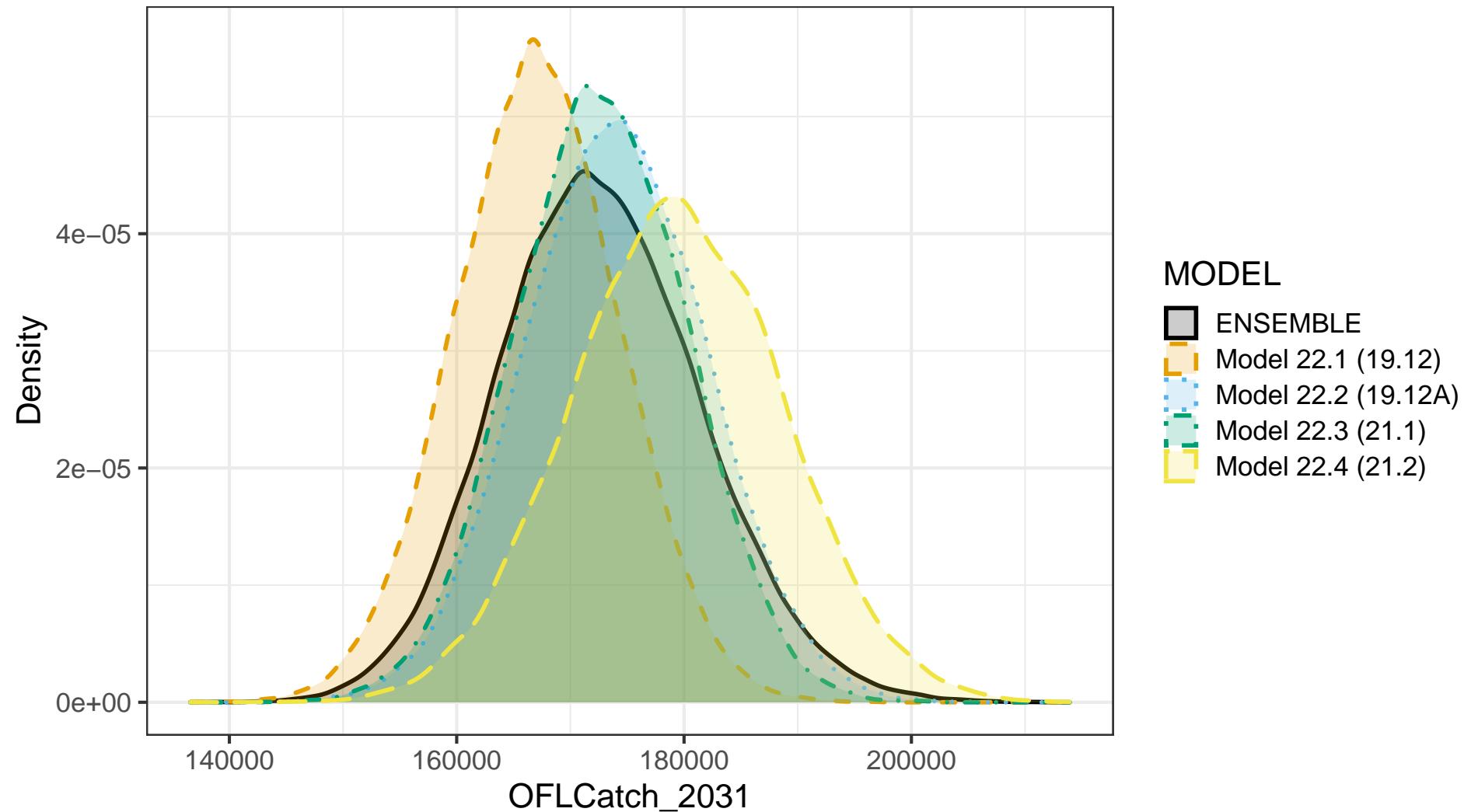
OFLCatch_2029



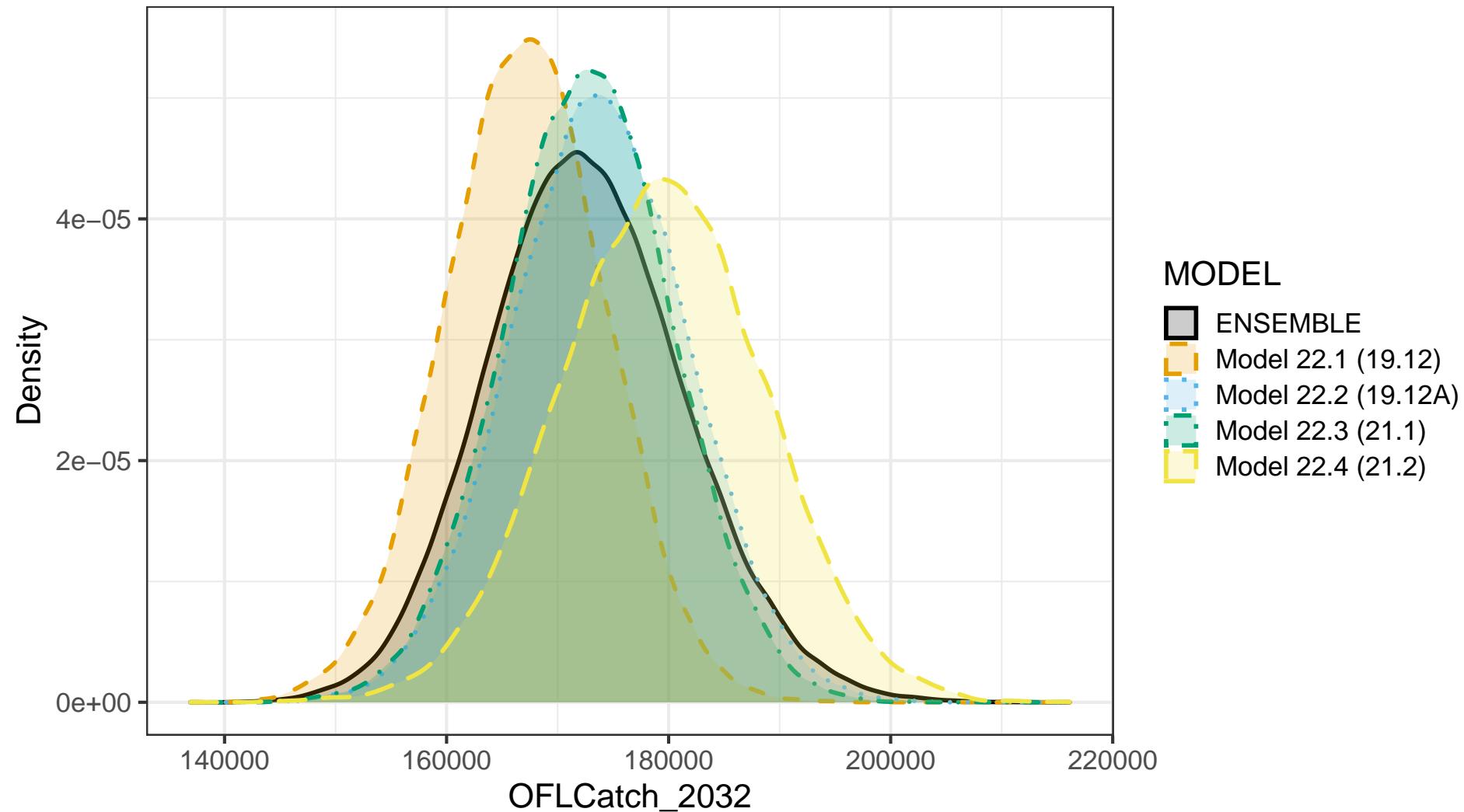
OFLCatch_2030



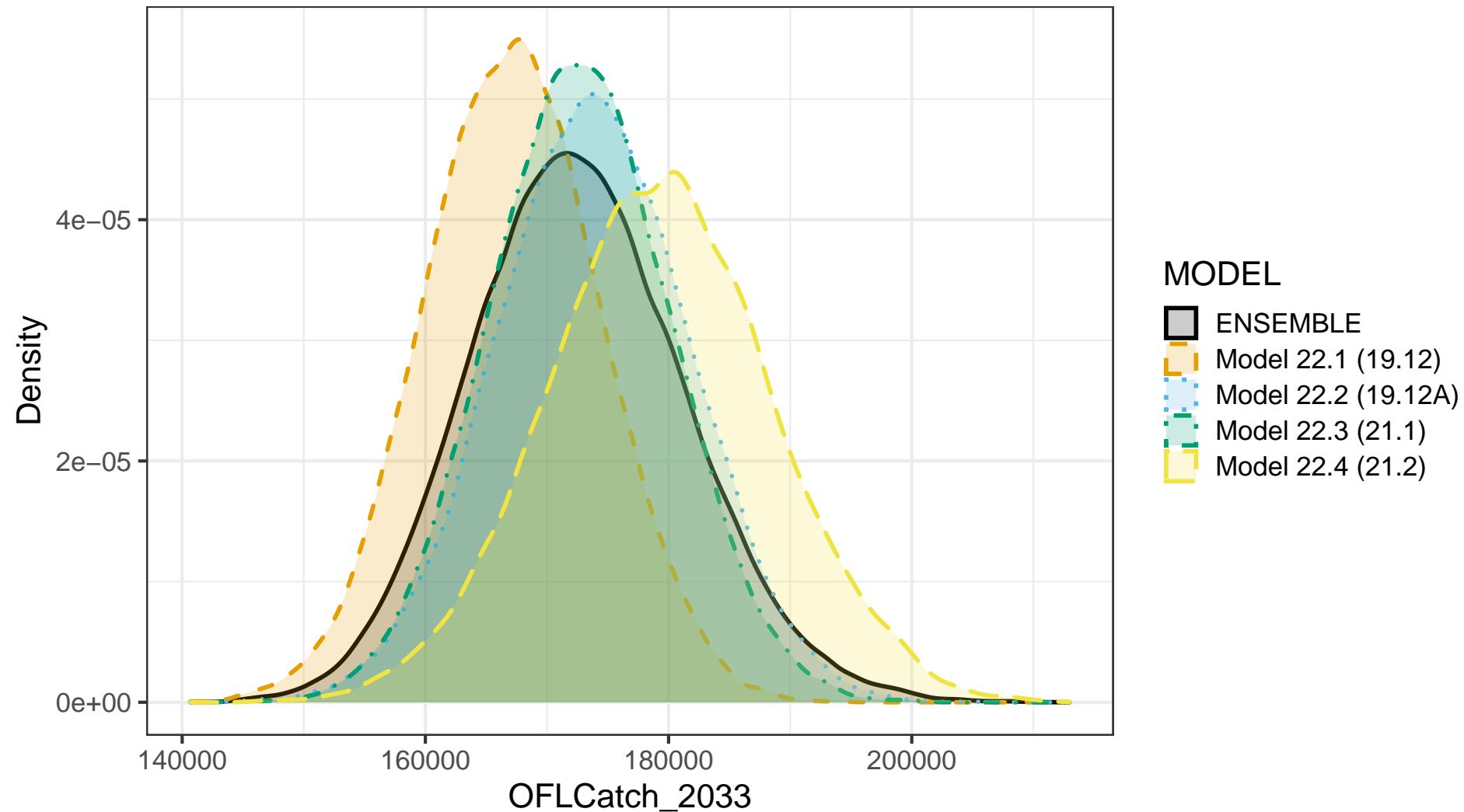
OFLCatch_2031



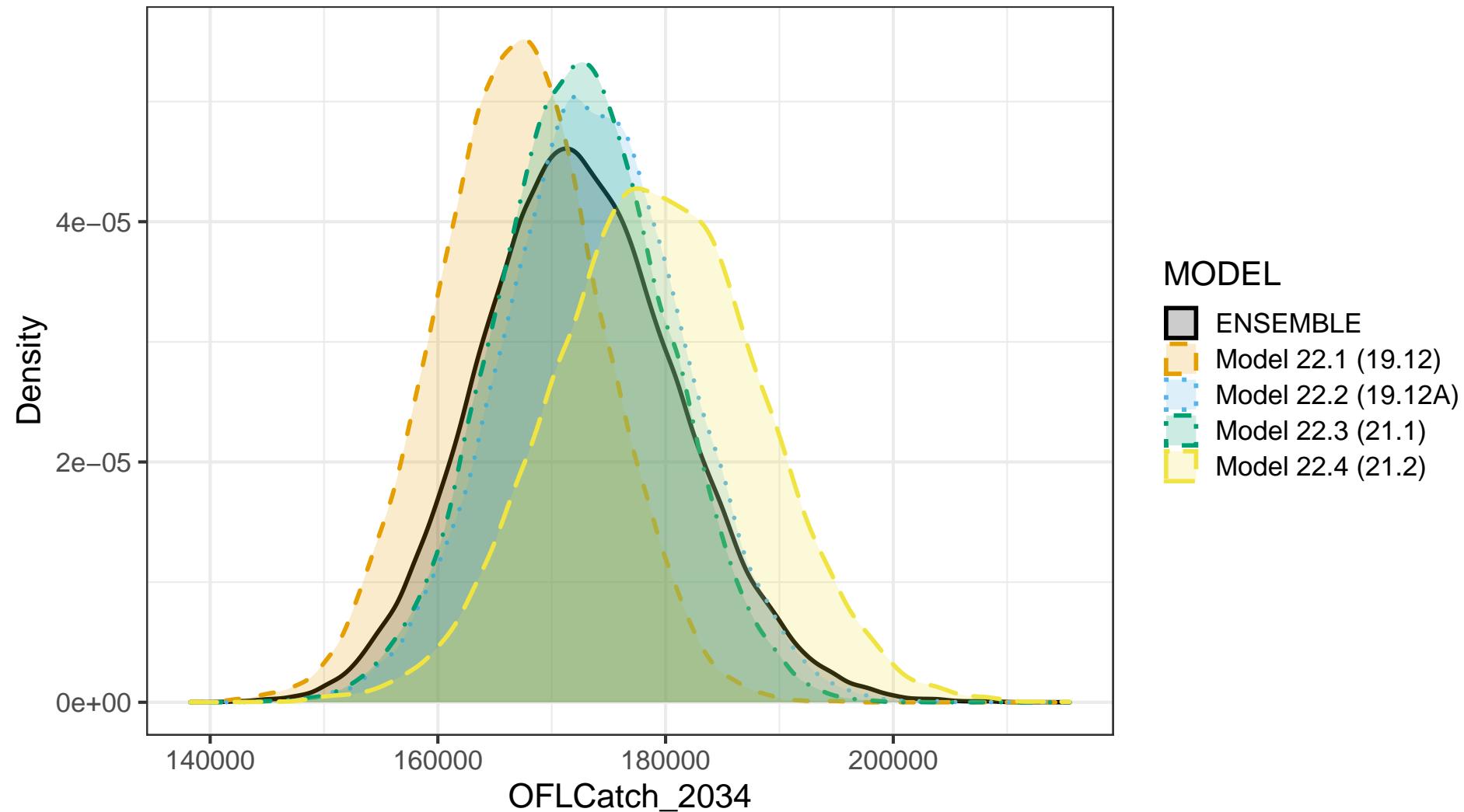
OFLCatch_2032



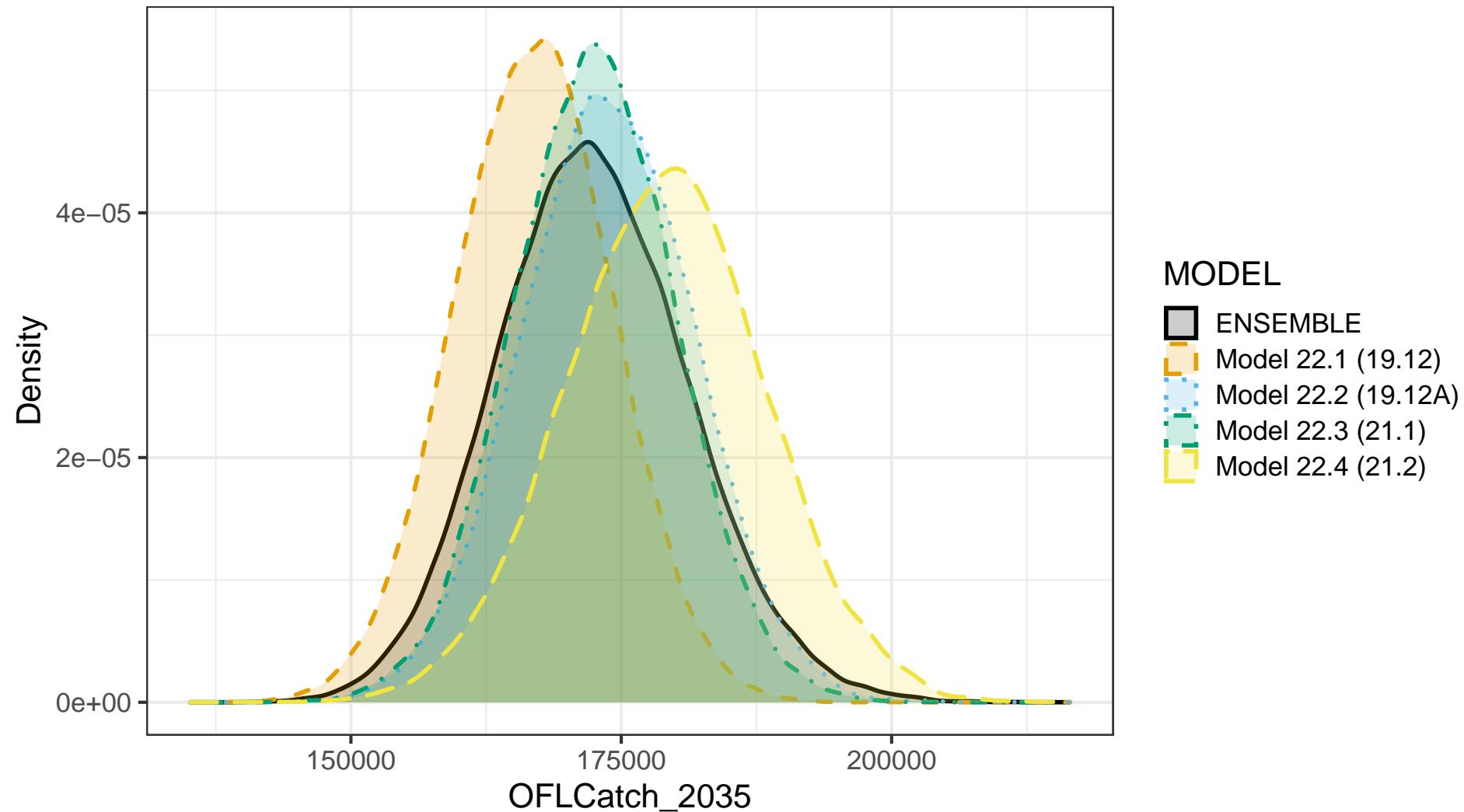
OFLCatch_2033



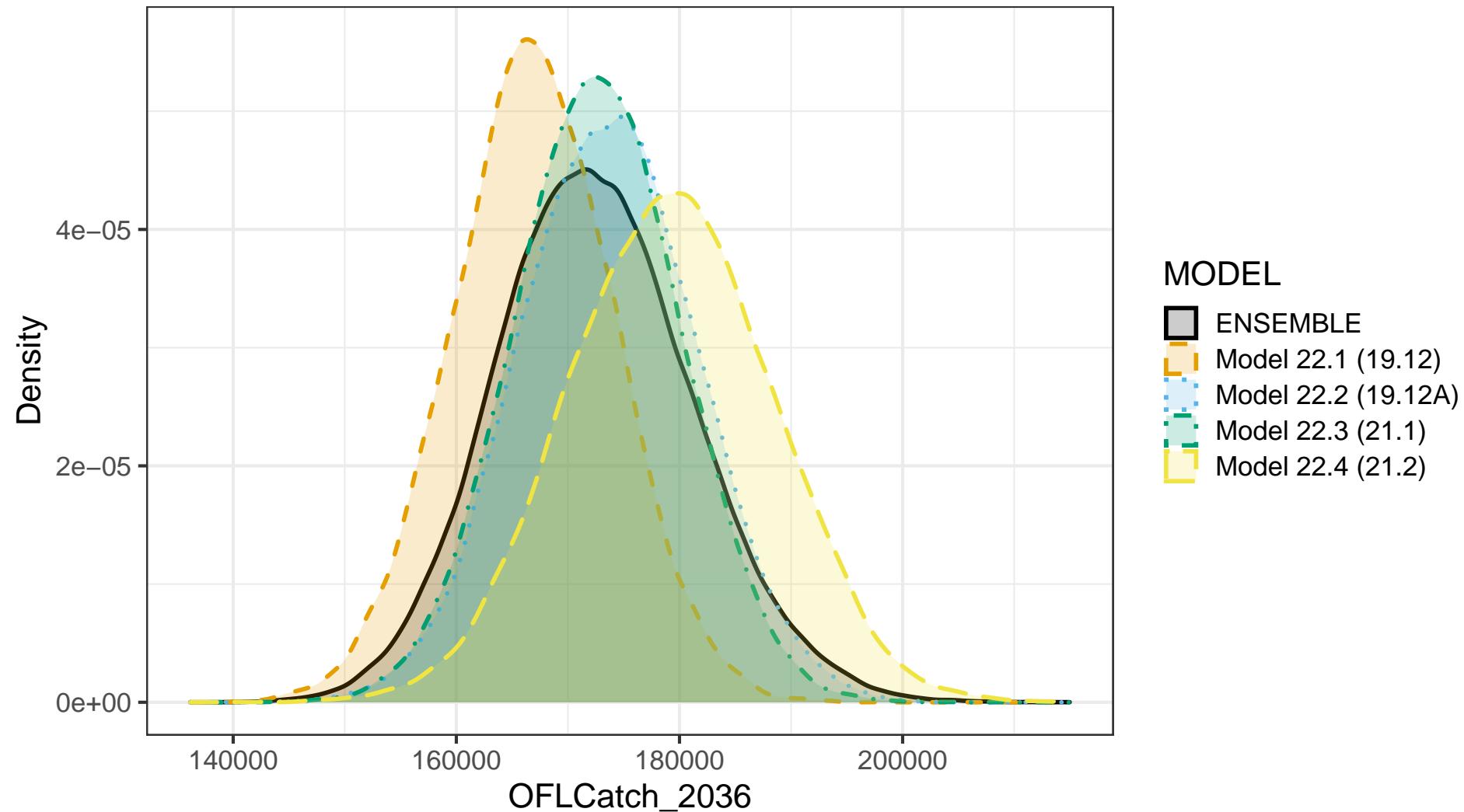
OFLCatch_2034



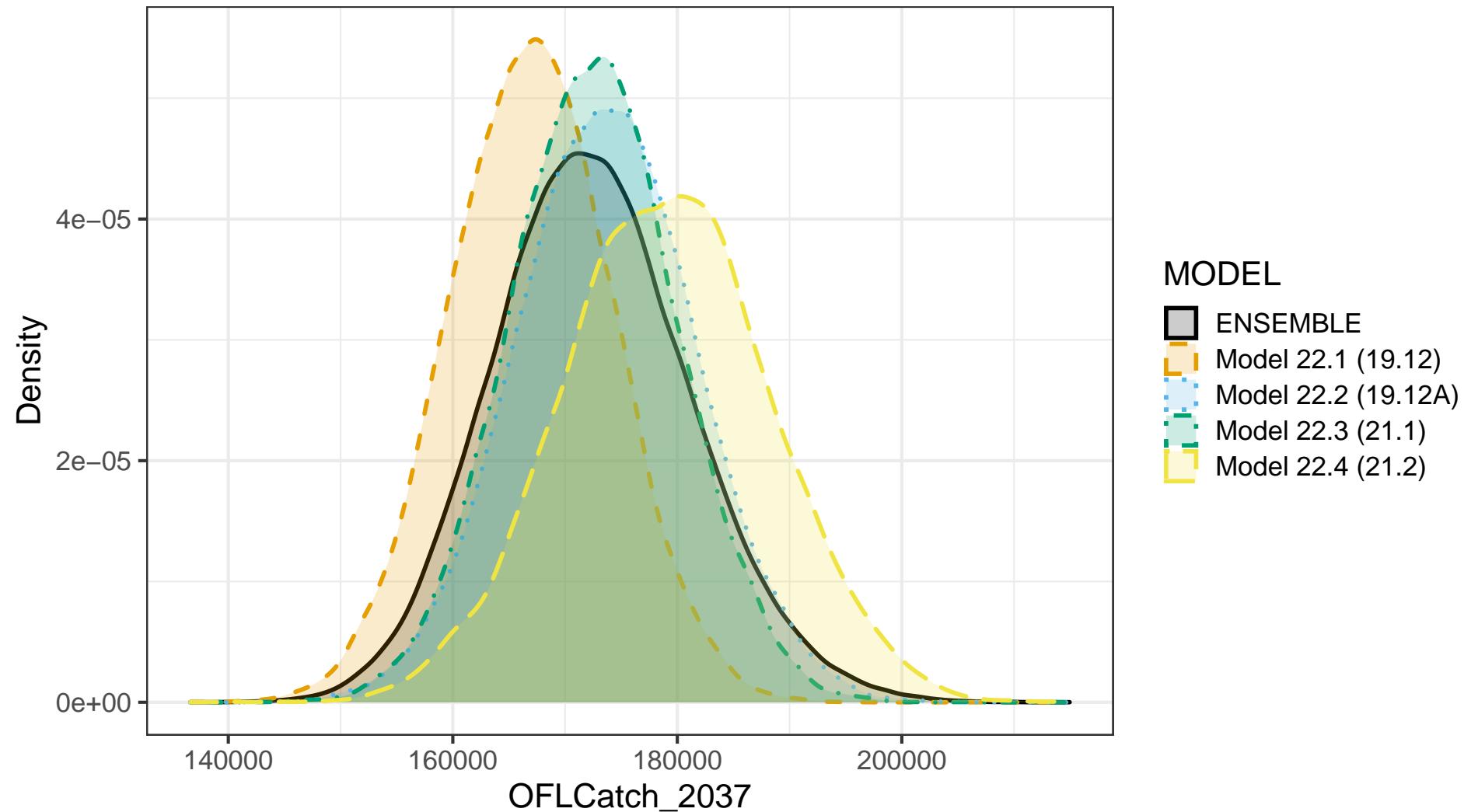
OFLCatch_2035



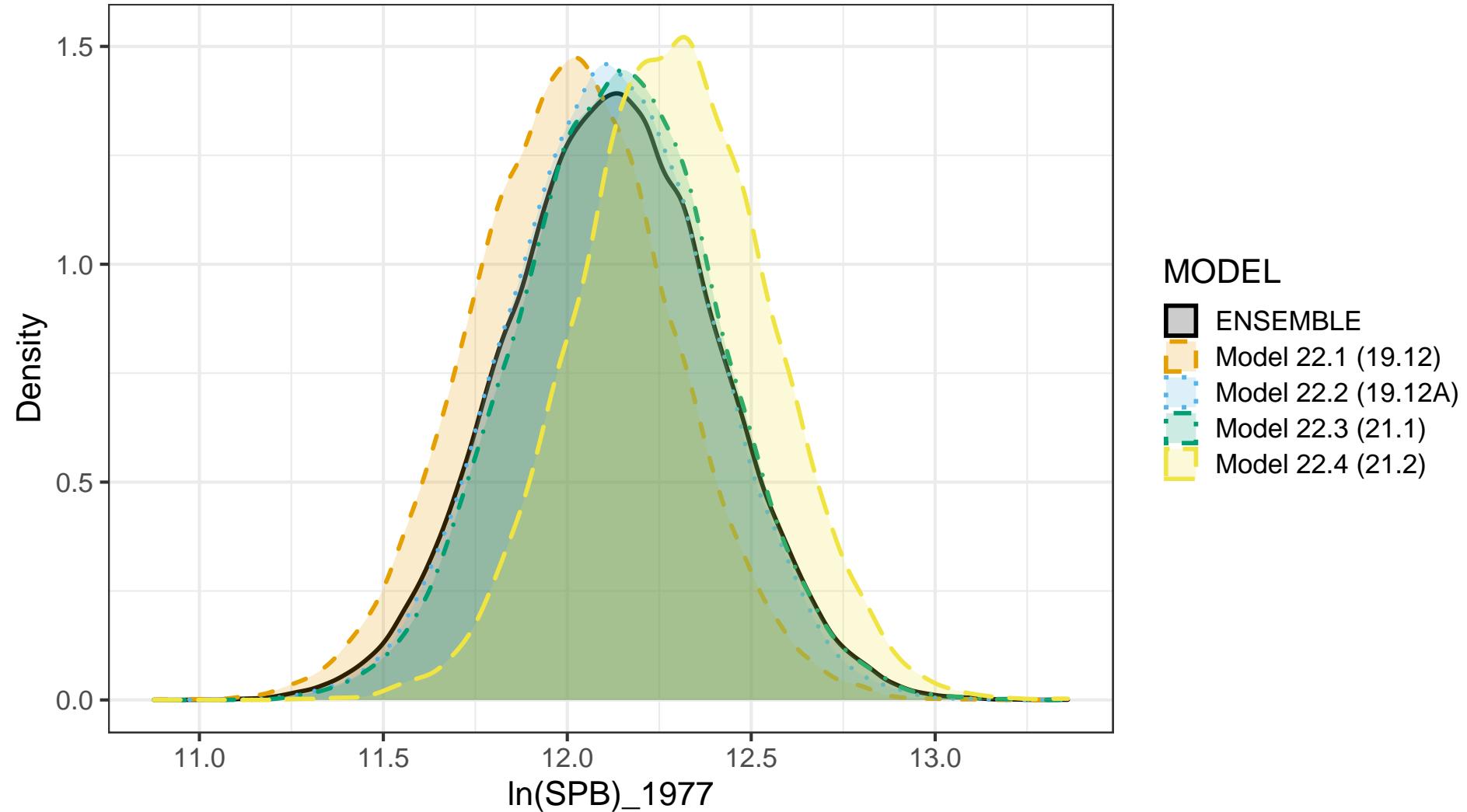
OFLCatch_2036



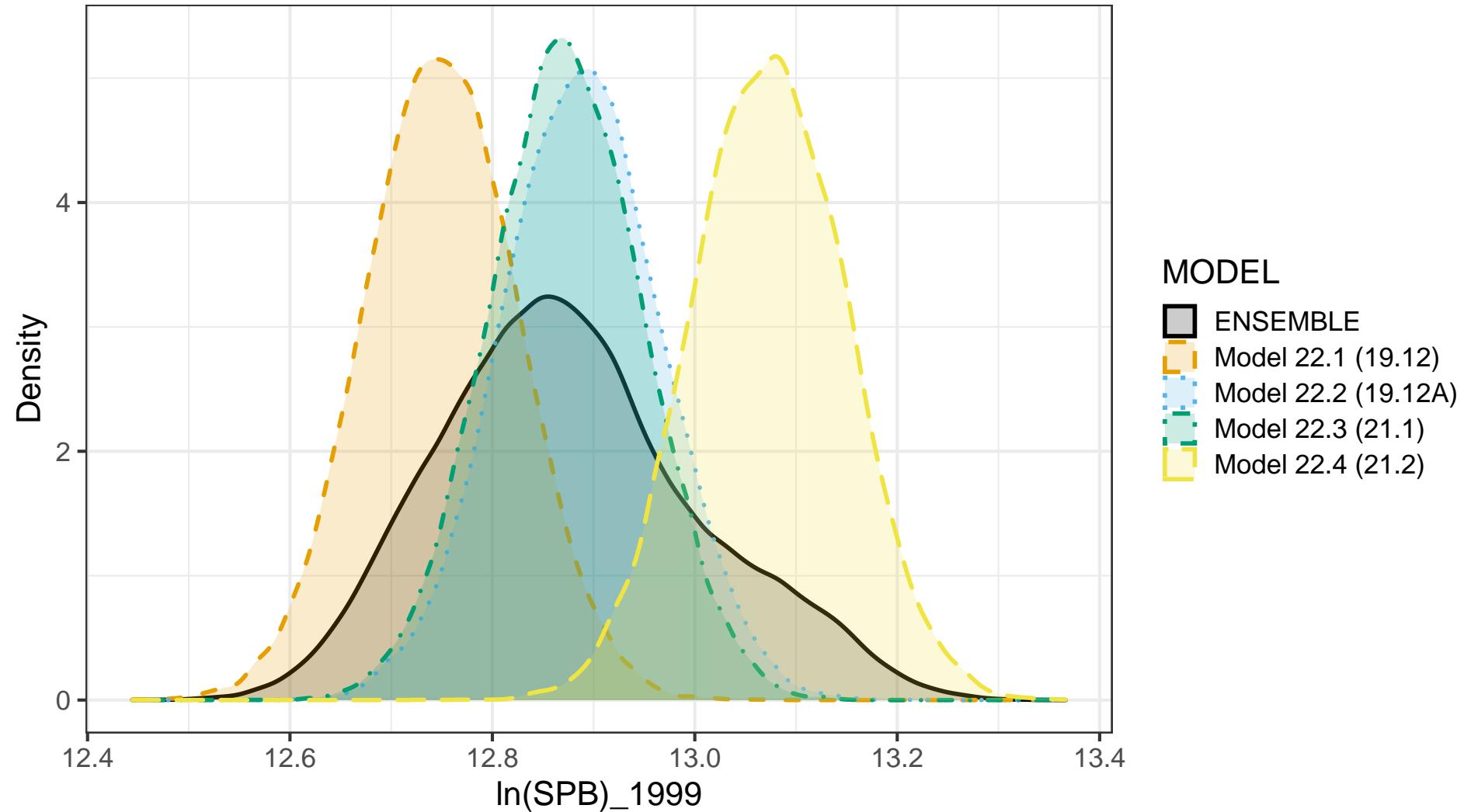
OFLCatch_2037



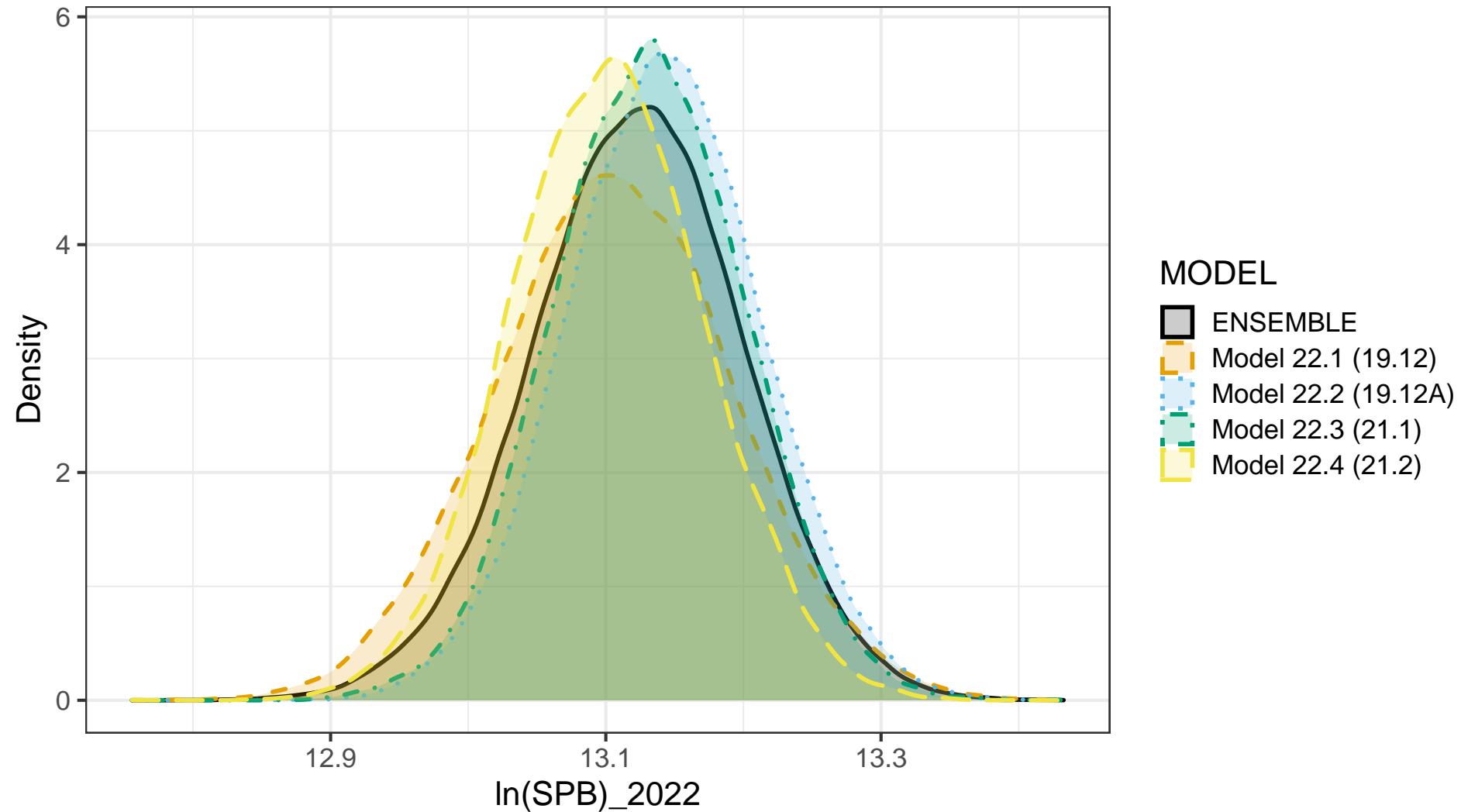
$\ln(\text{SPB})_{1977}$



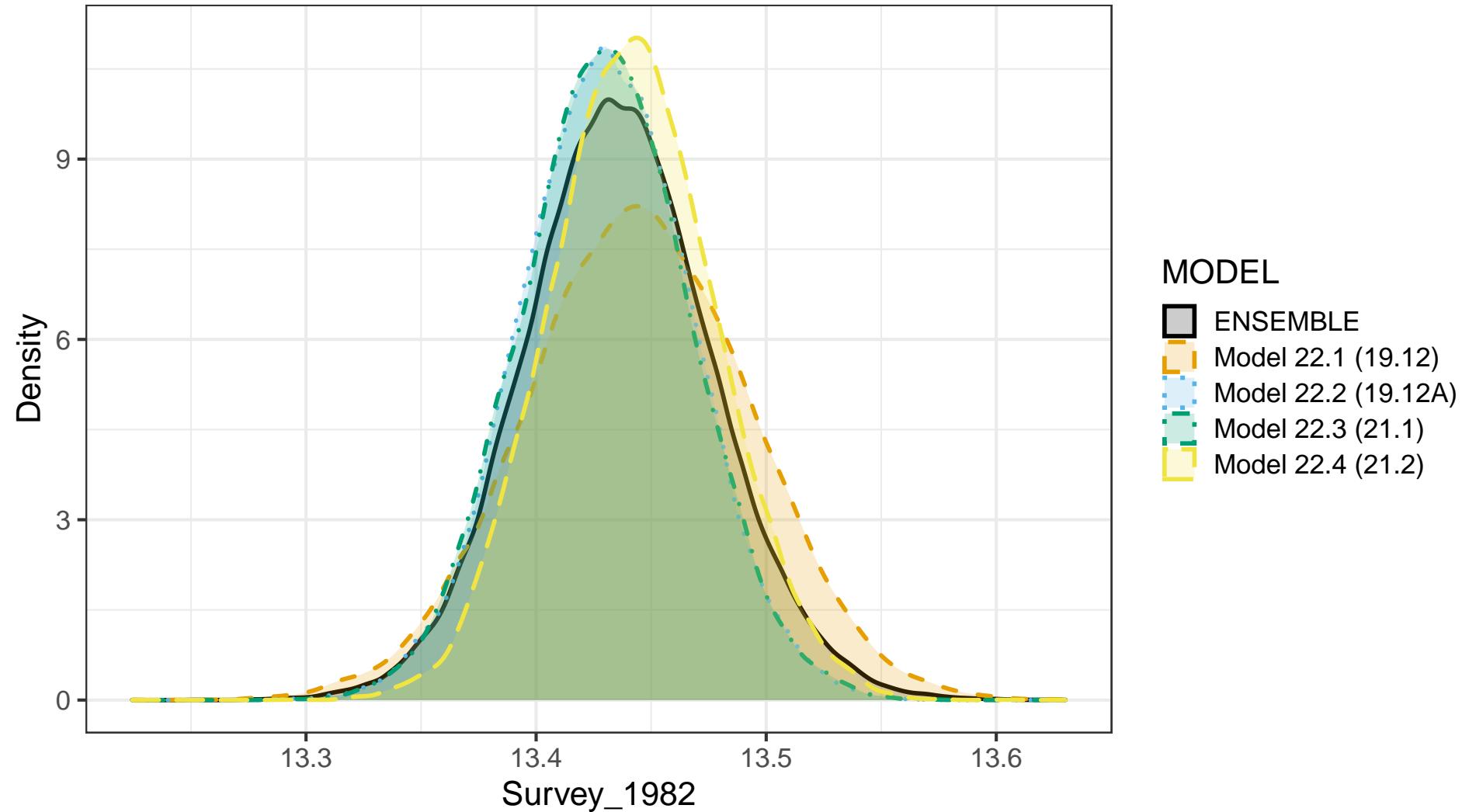
$\ln(\text{SPB})_{1999}$



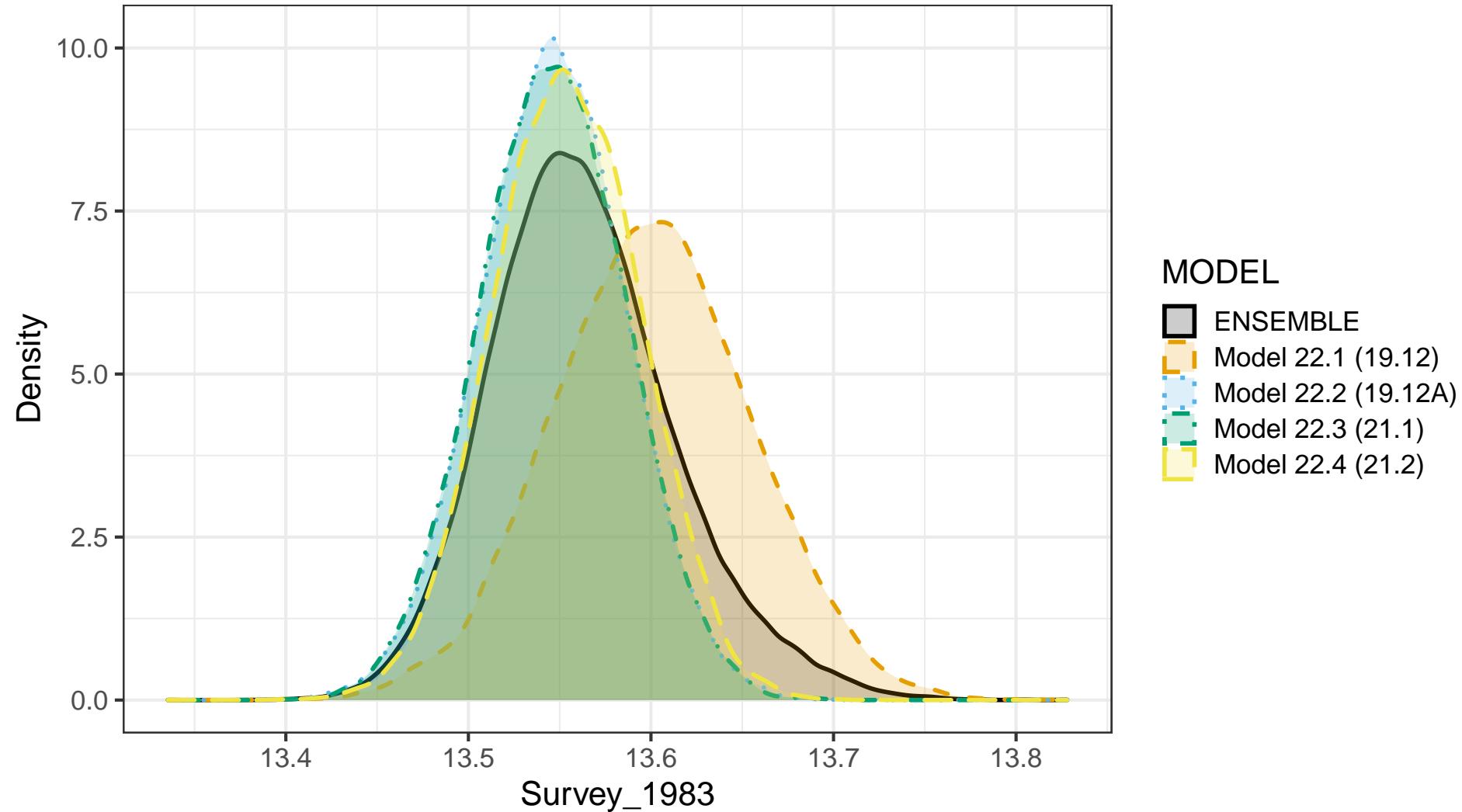
$\ln(\text{SPB})_{\text{2022}}$



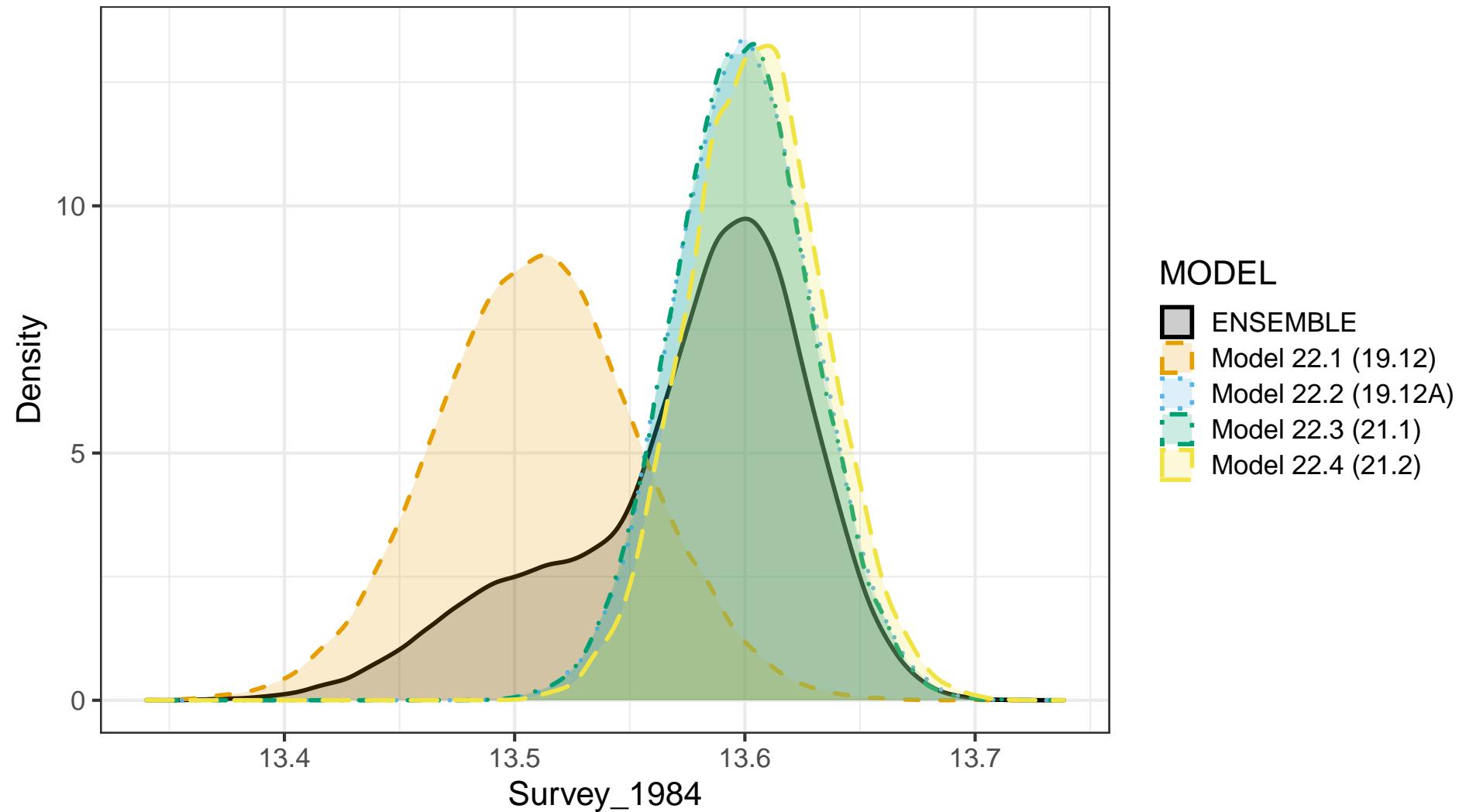
Survey_1982



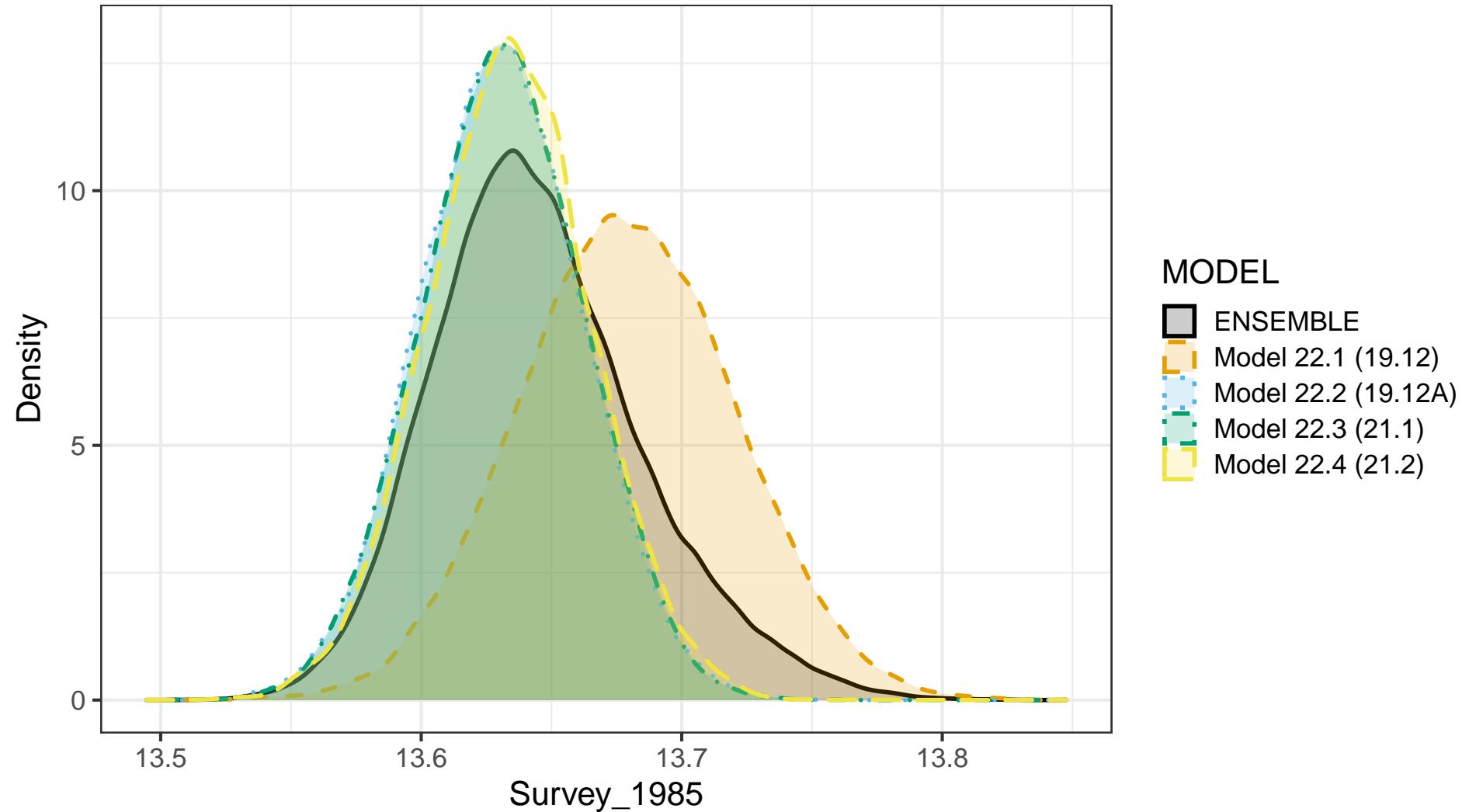
Survey_1983



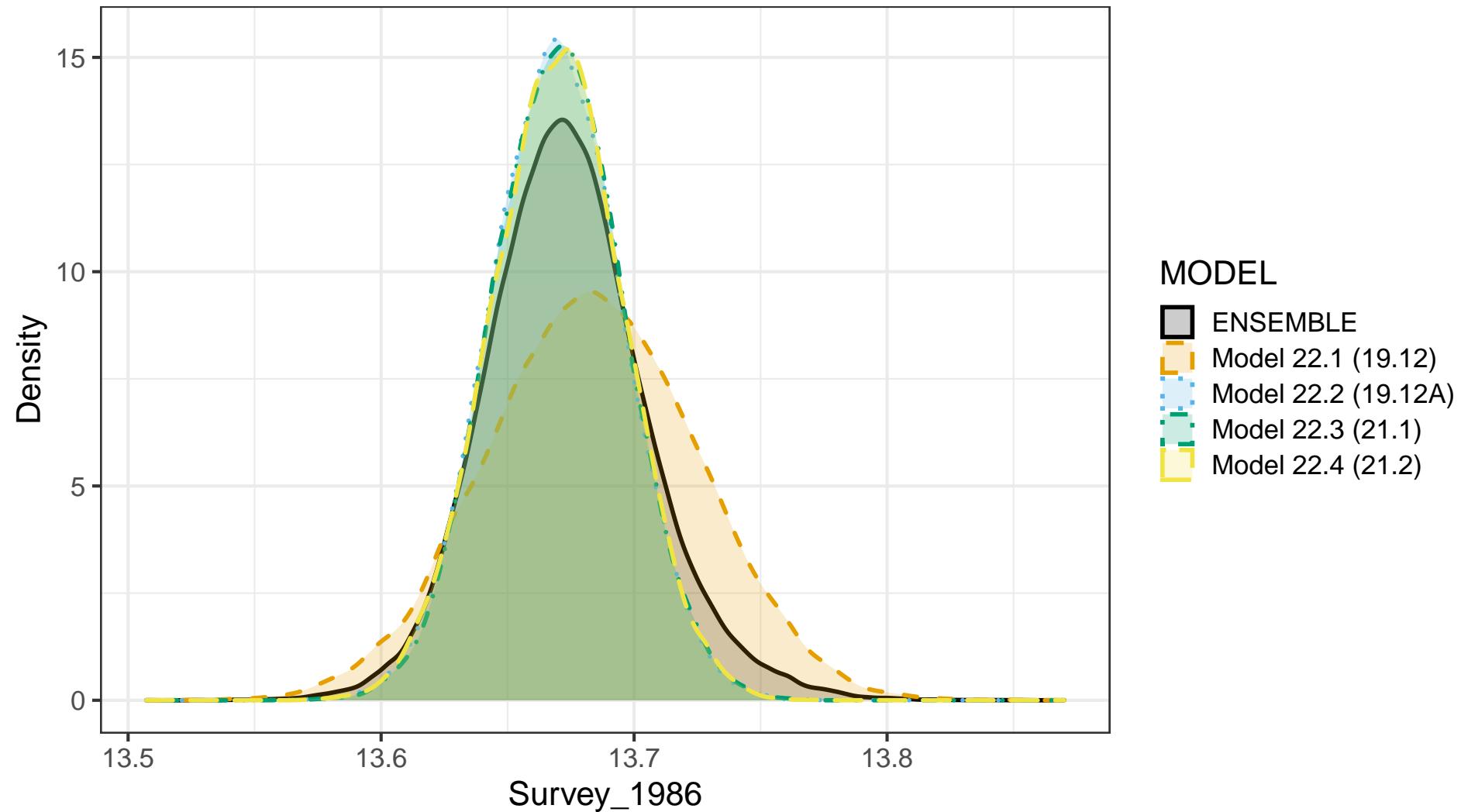
Survey_1984



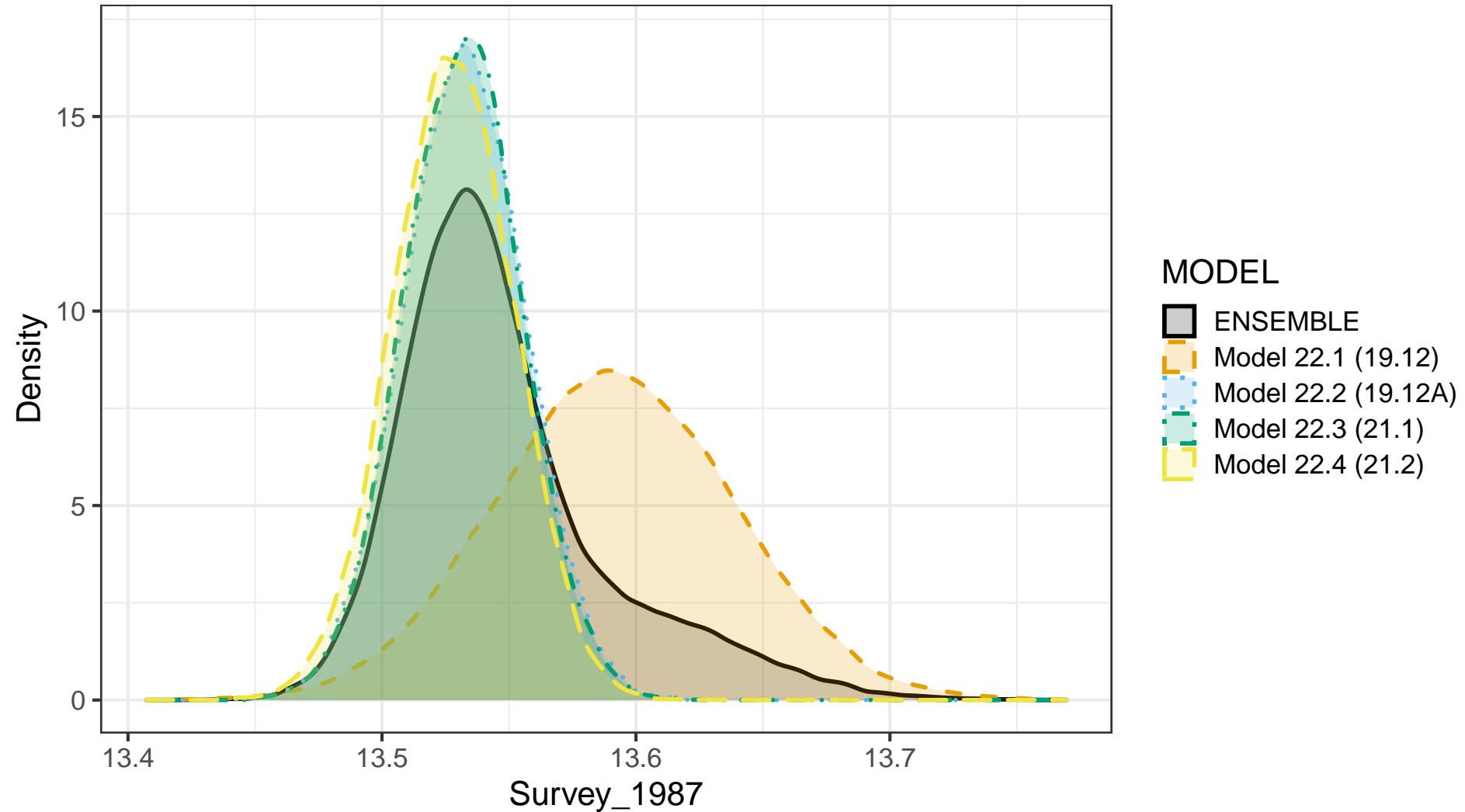
Survey_1985



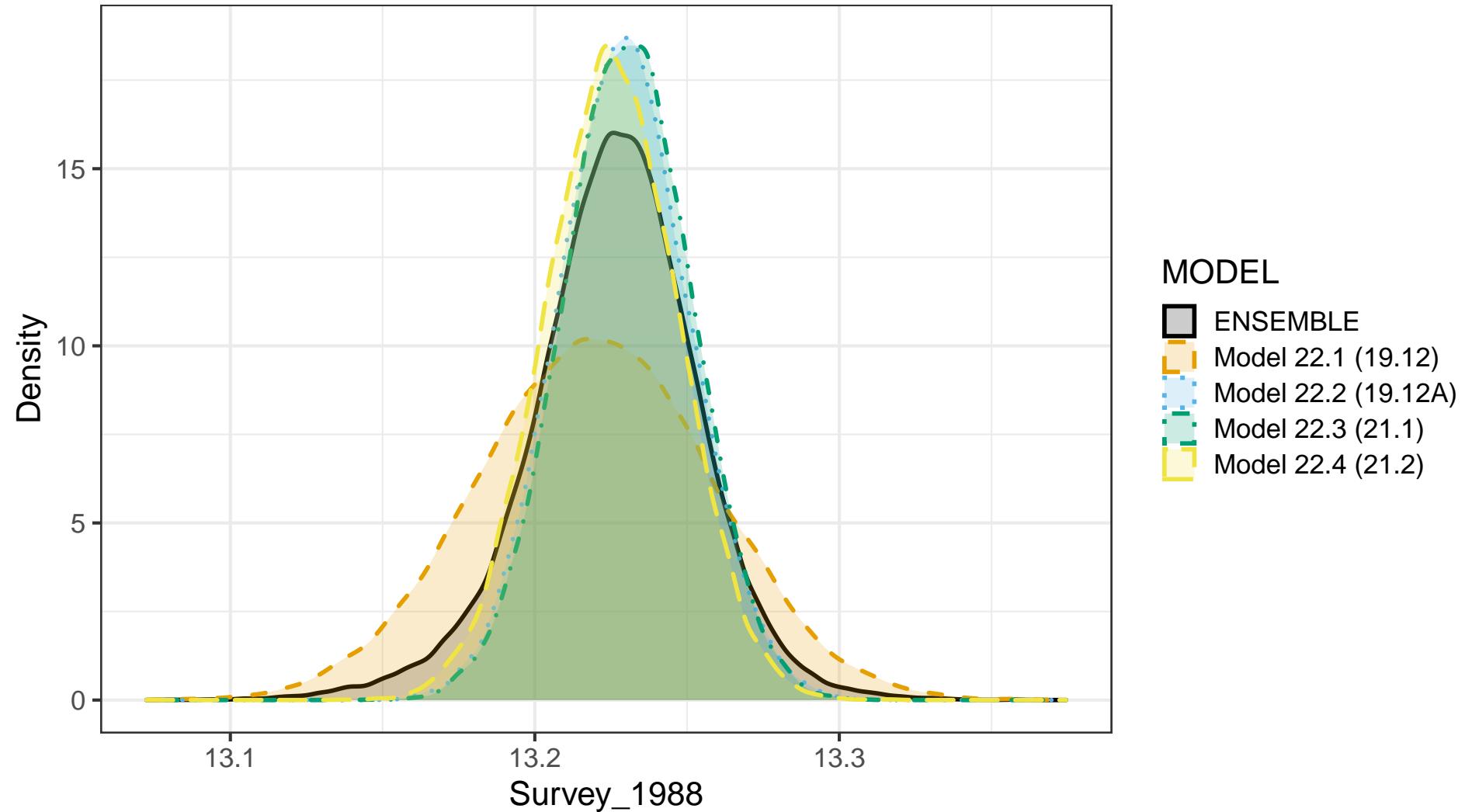
Survey_1986



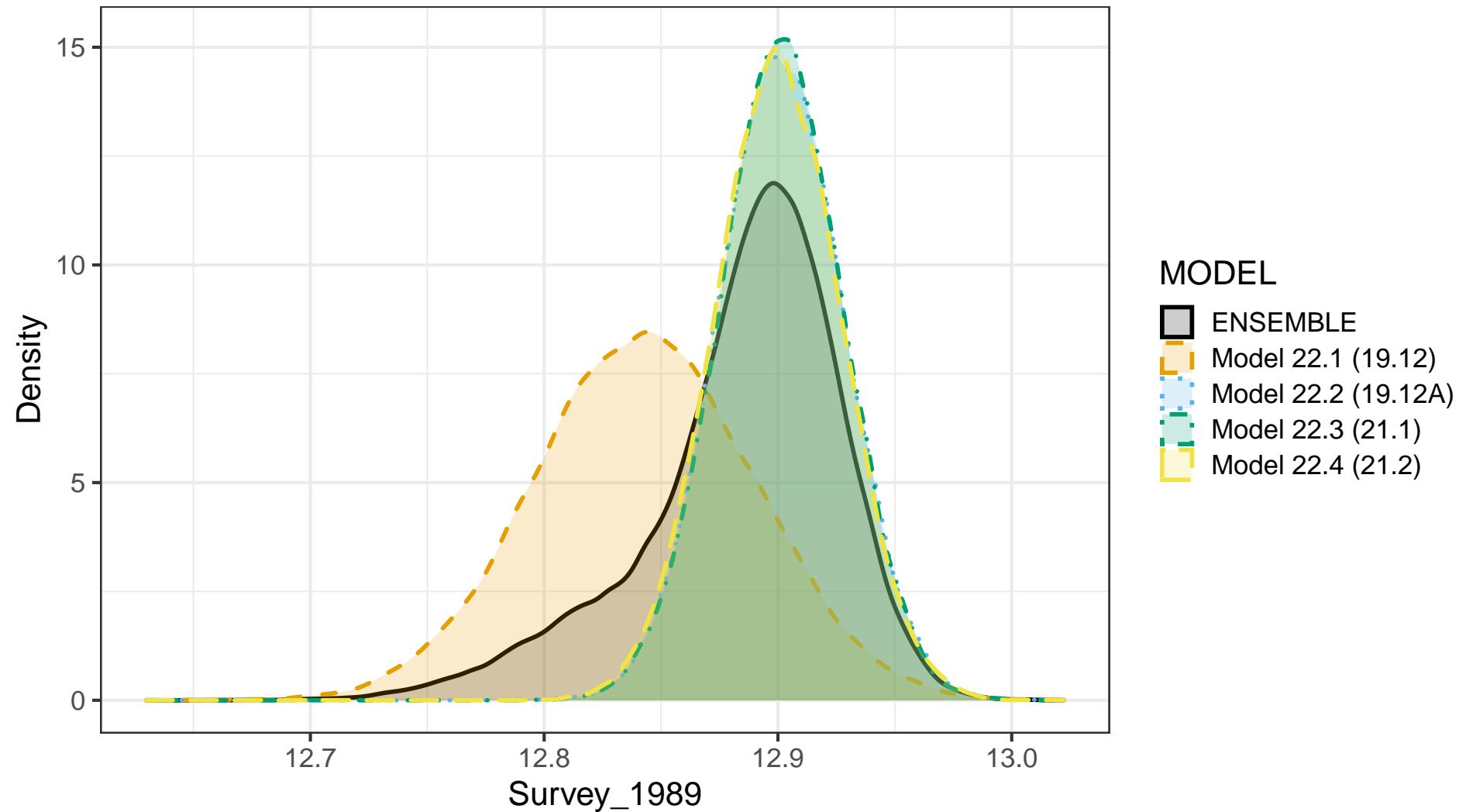
Survey_1987



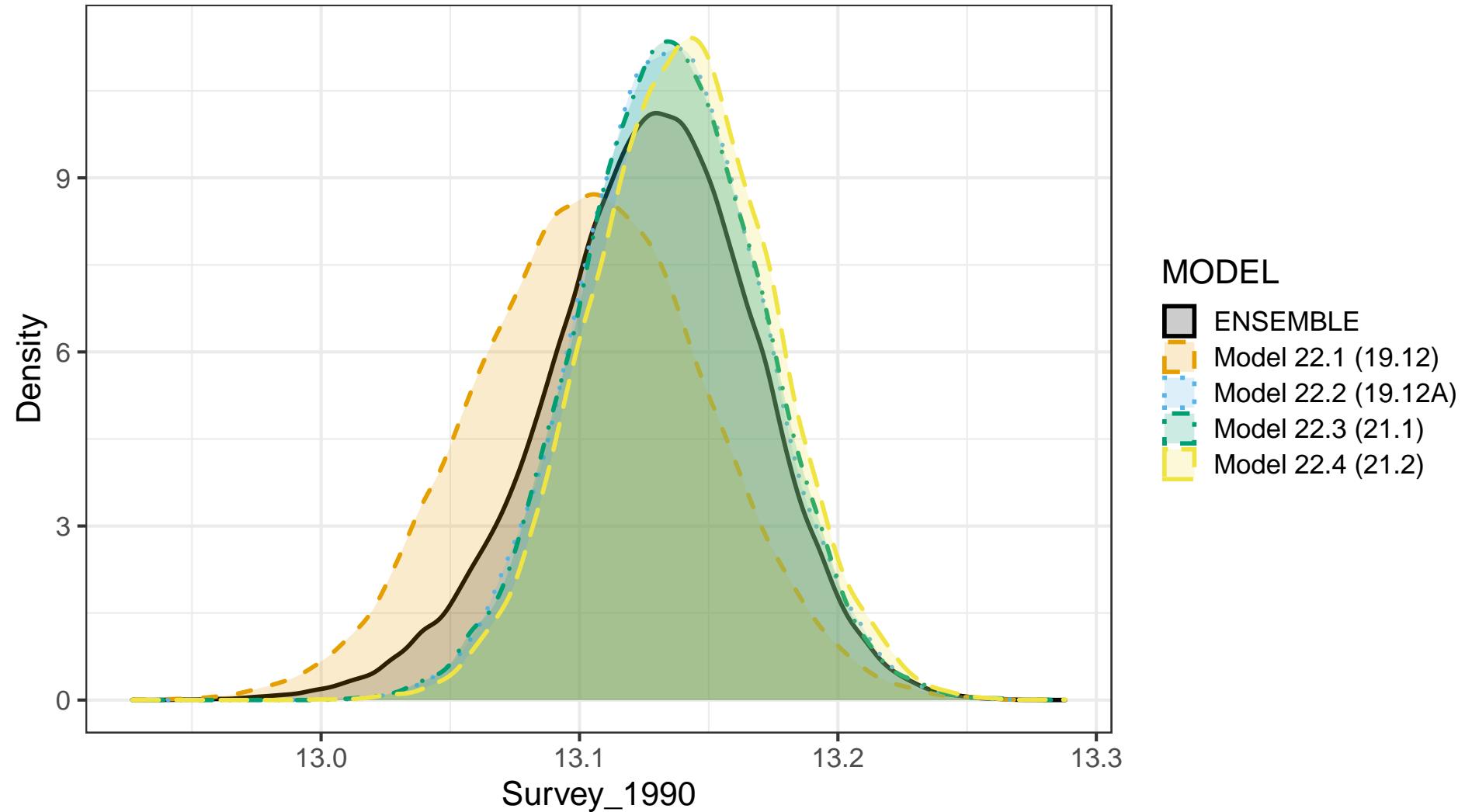
Survey_1988



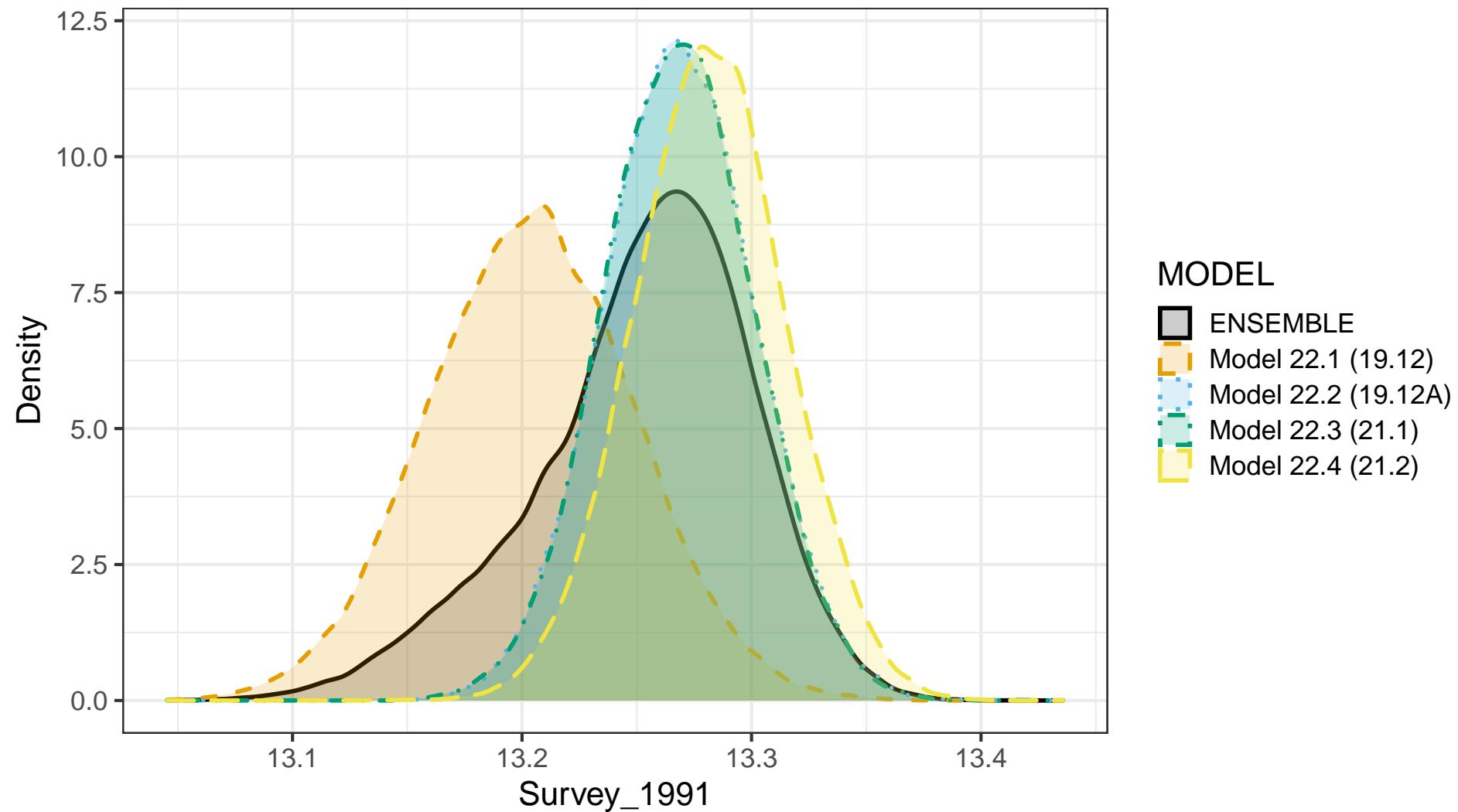
Survey_1989



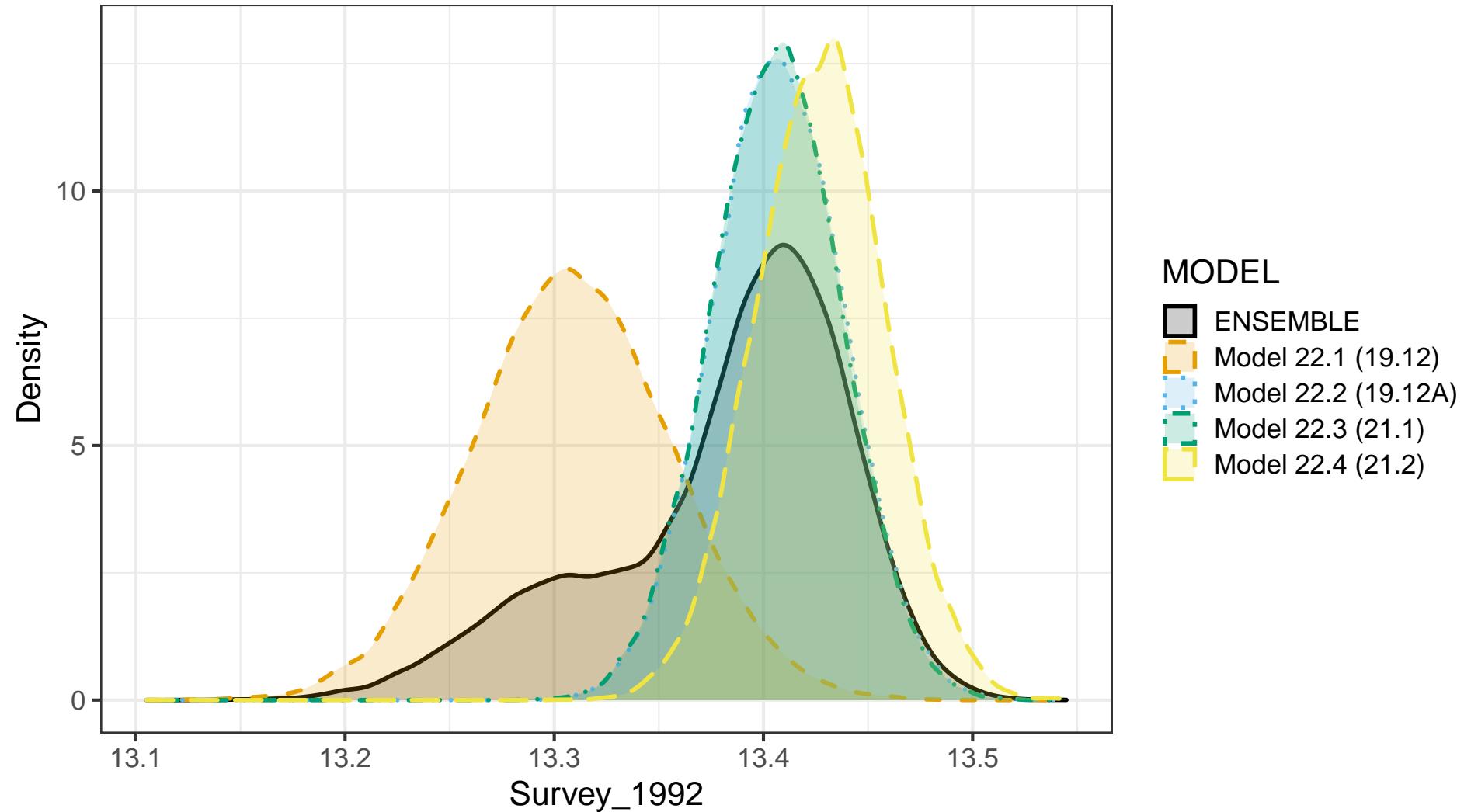
Survey_1990



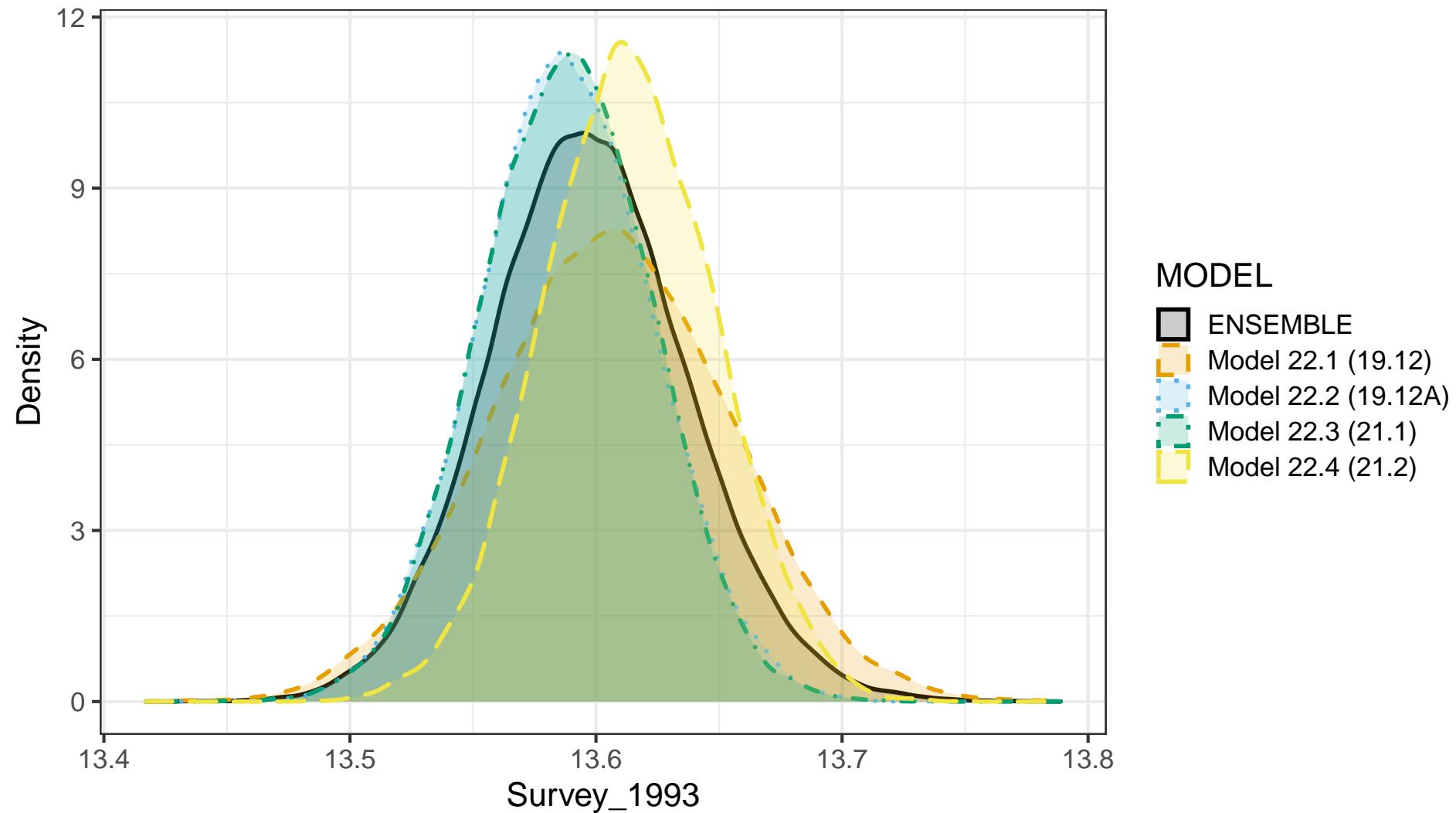
Survey_1991



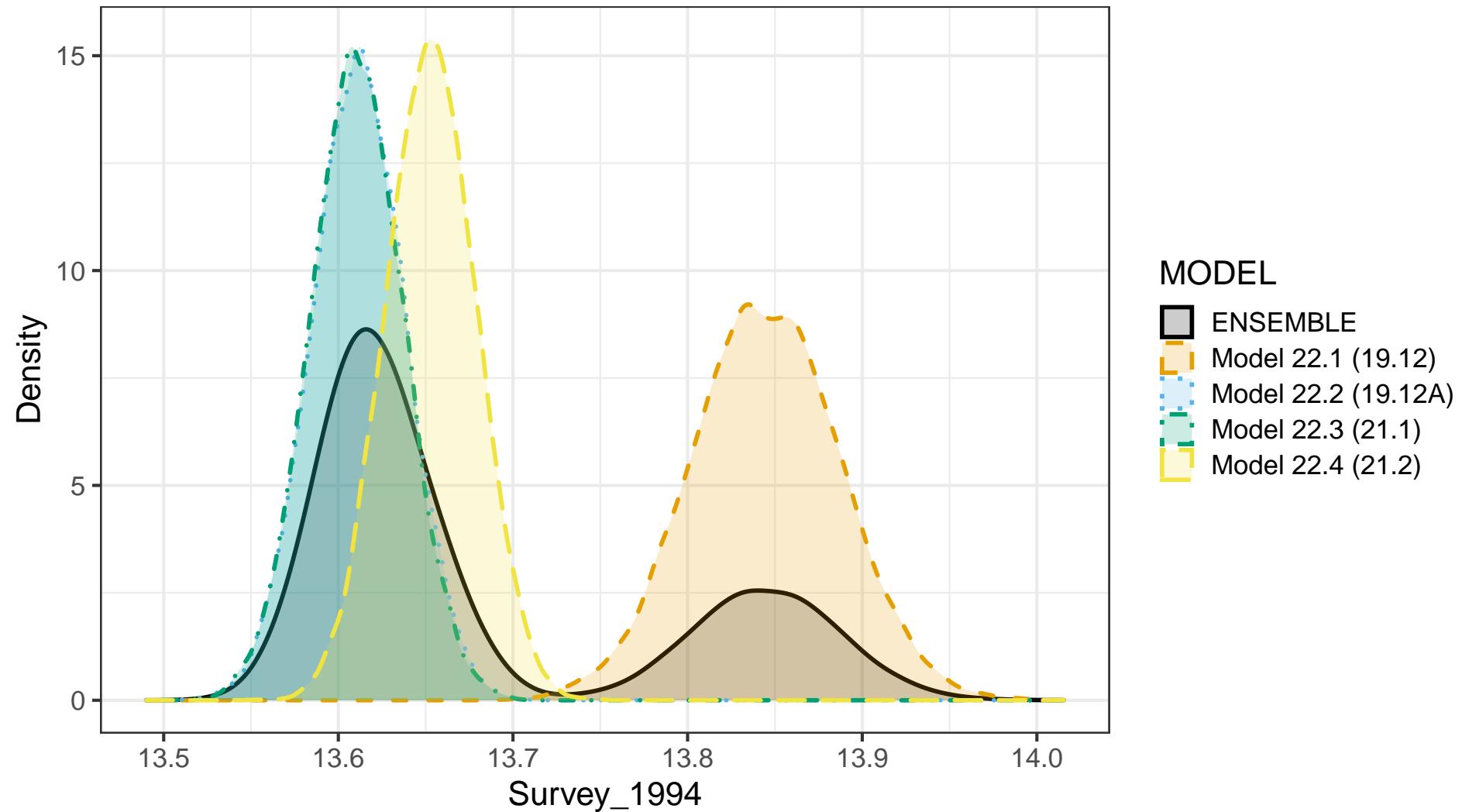
Survey_1992



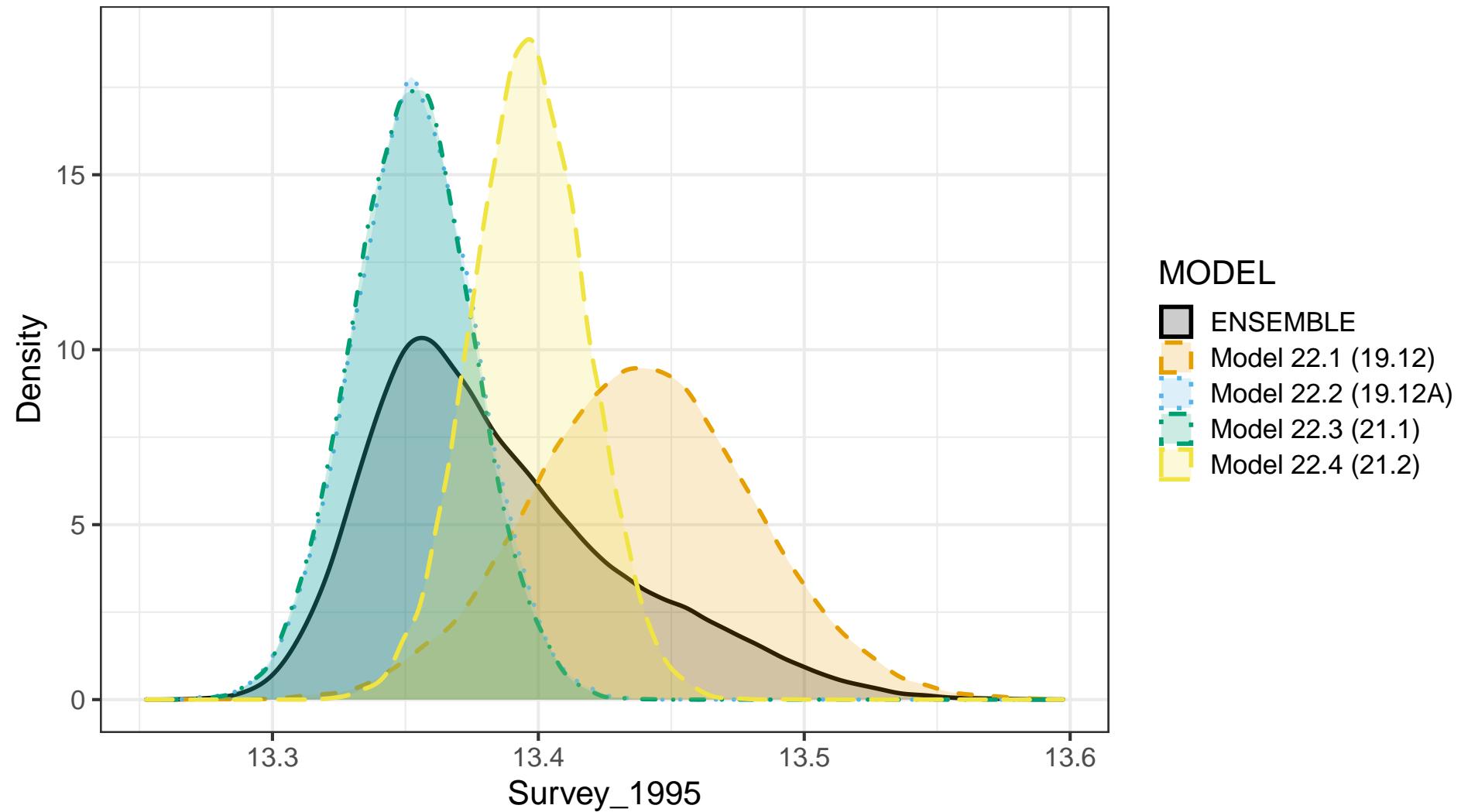
Survey_1993



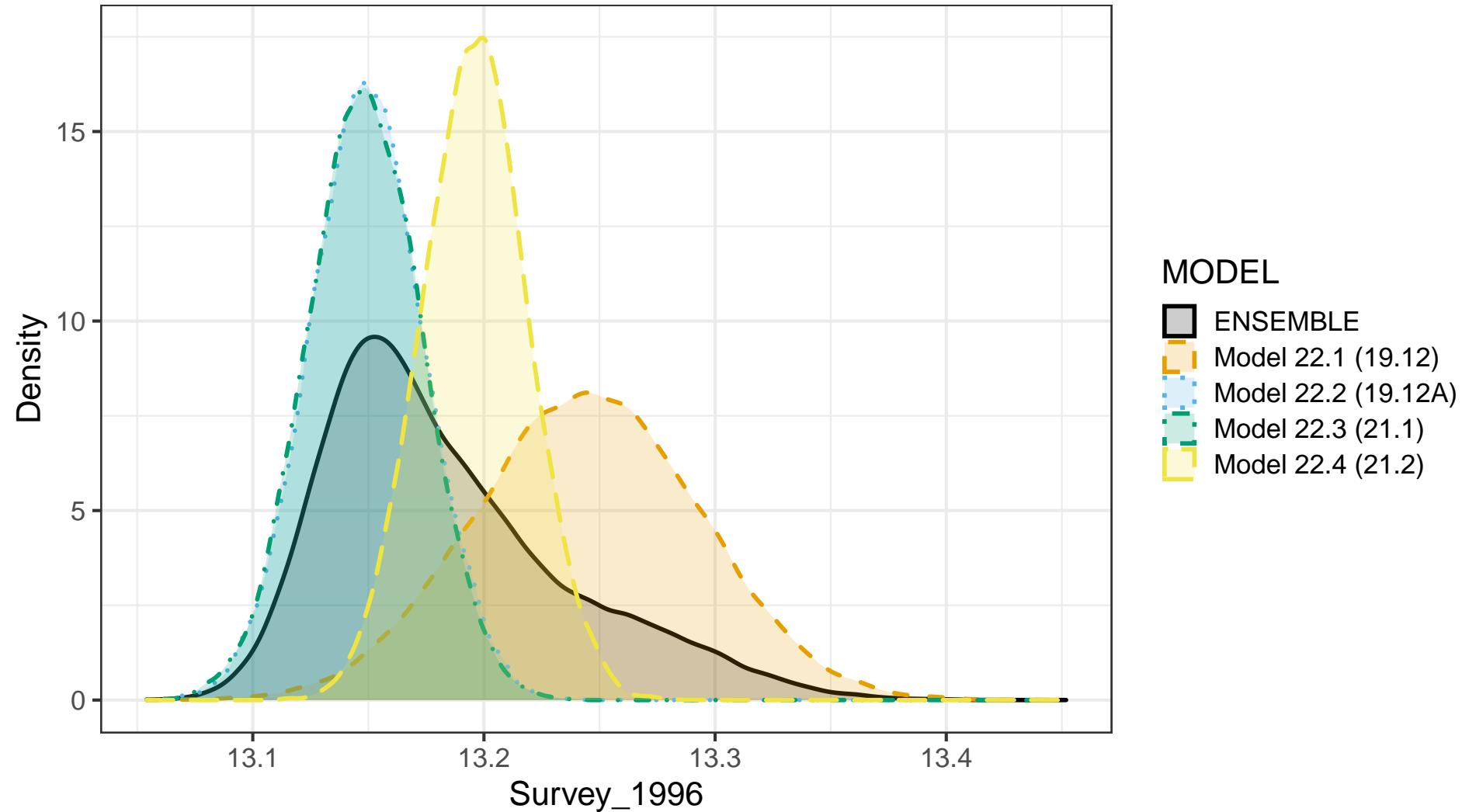
Survey_1994



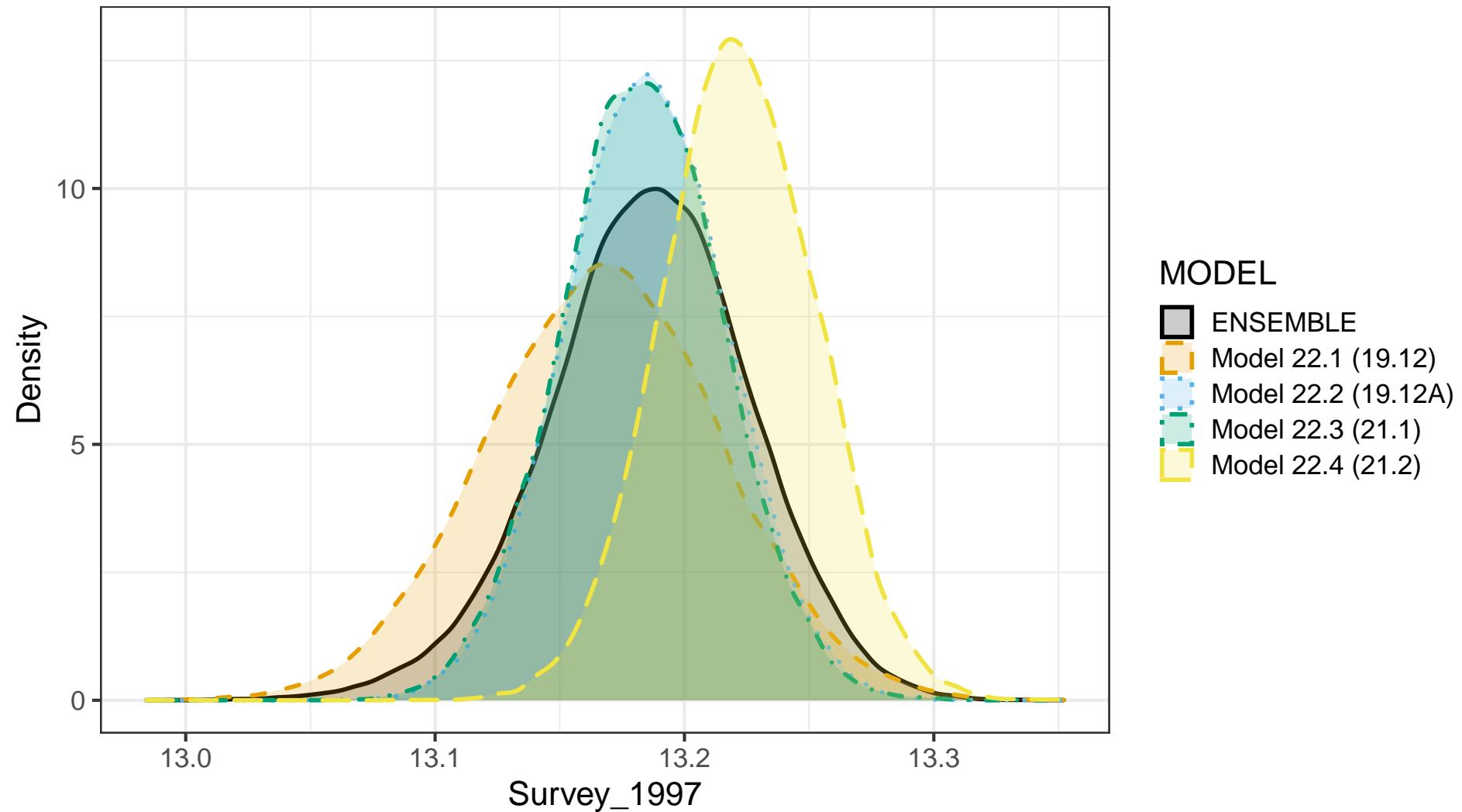
Survey_1995



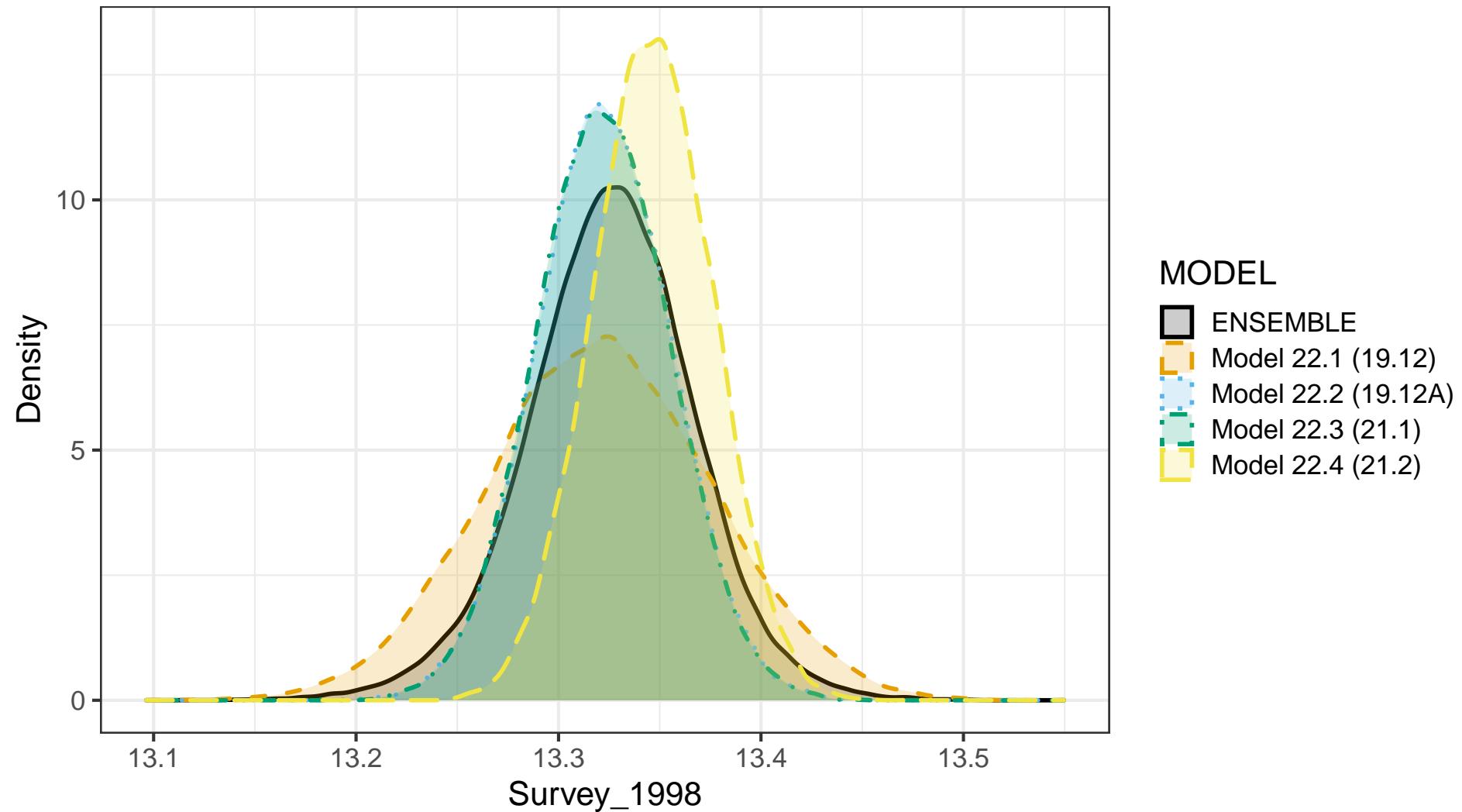
Survey_1996



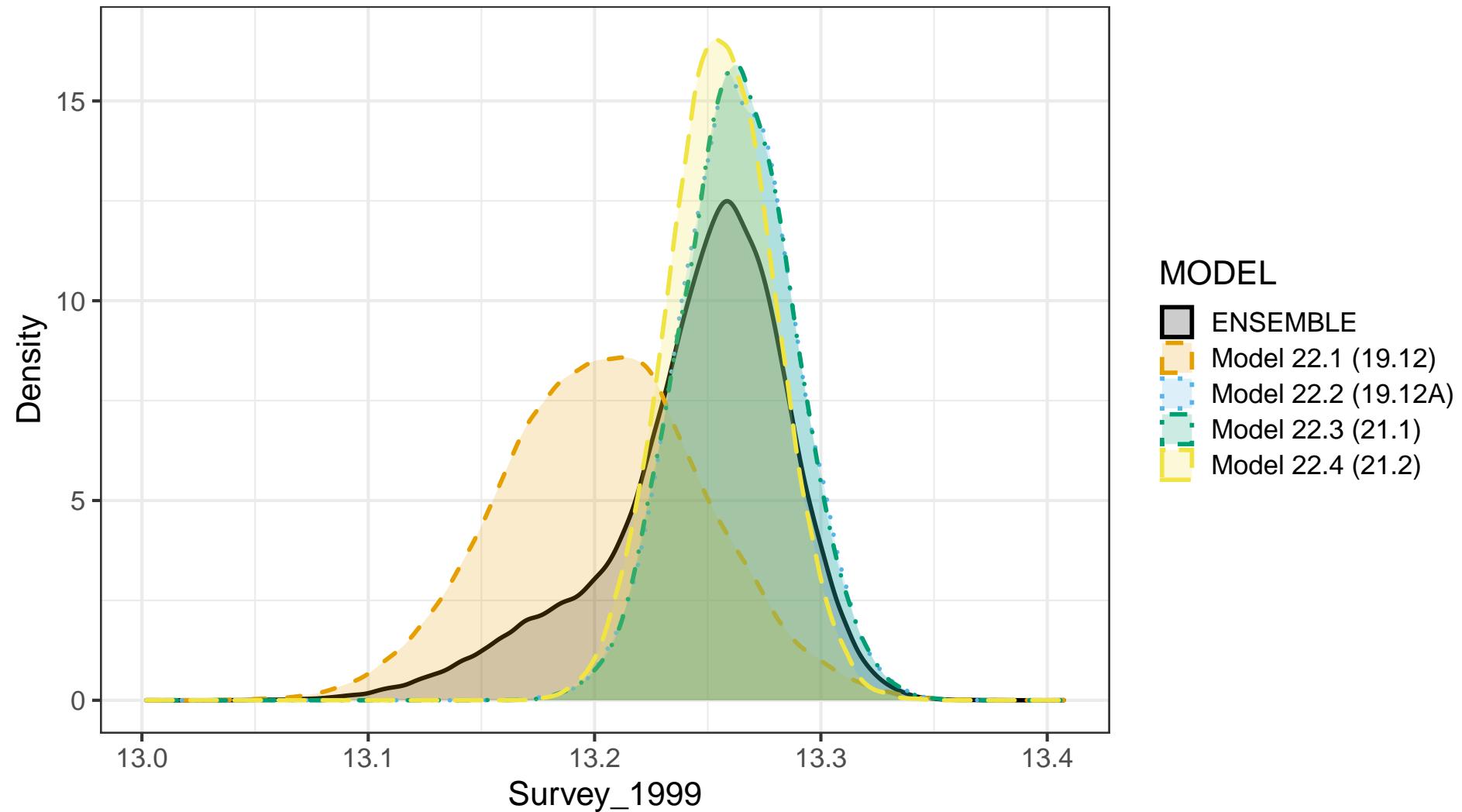
Survey_1997



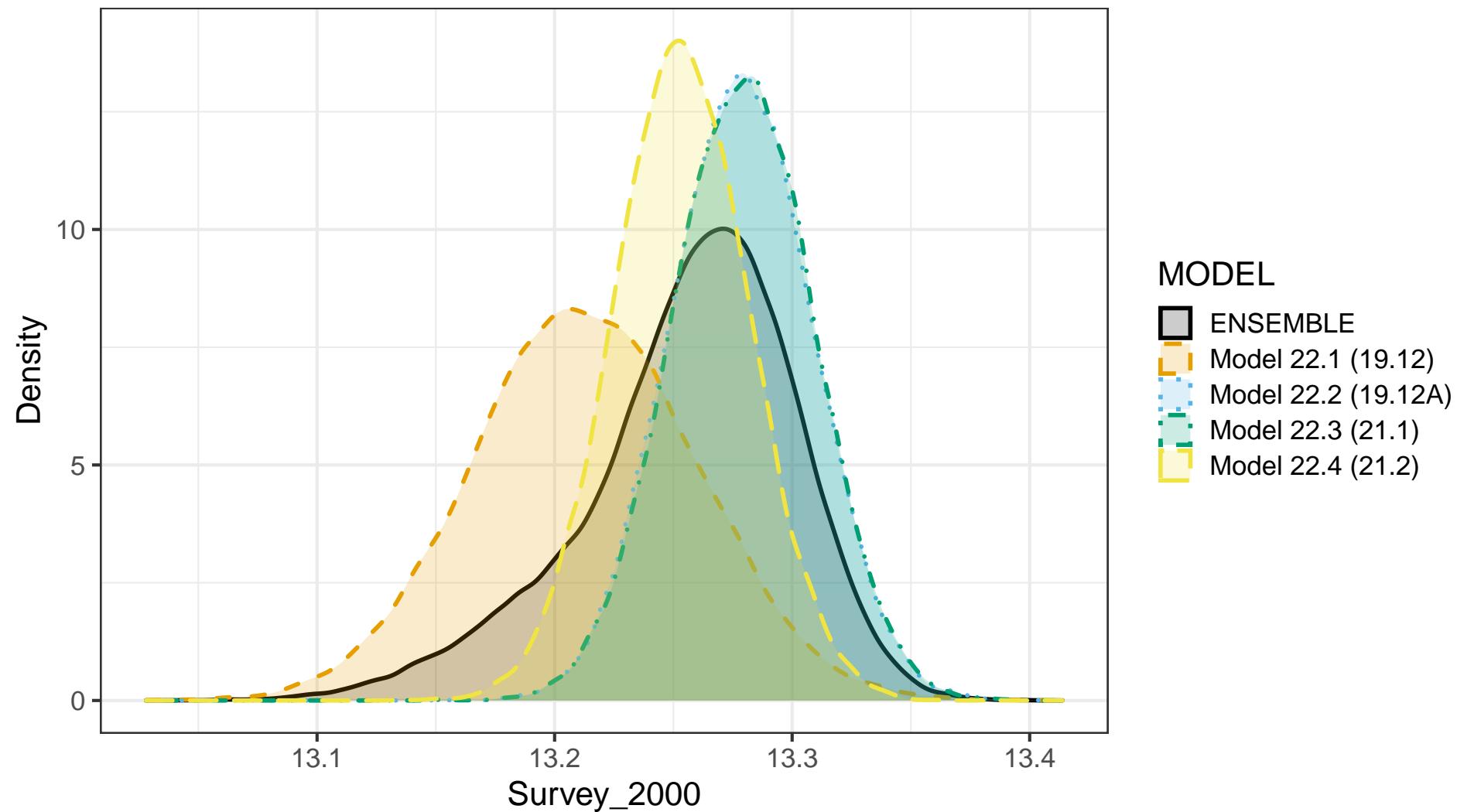
Survey_1998



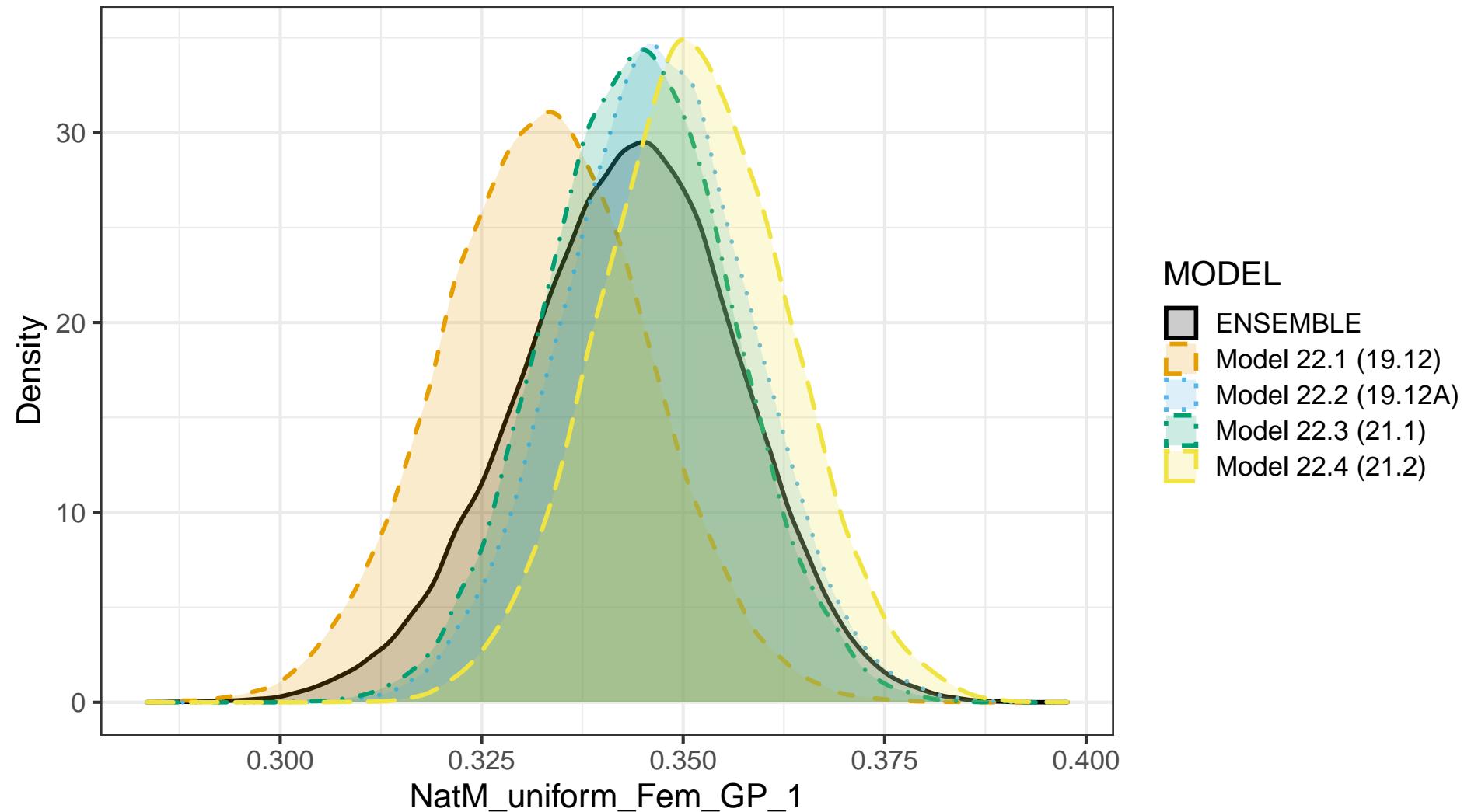
Survey_1999



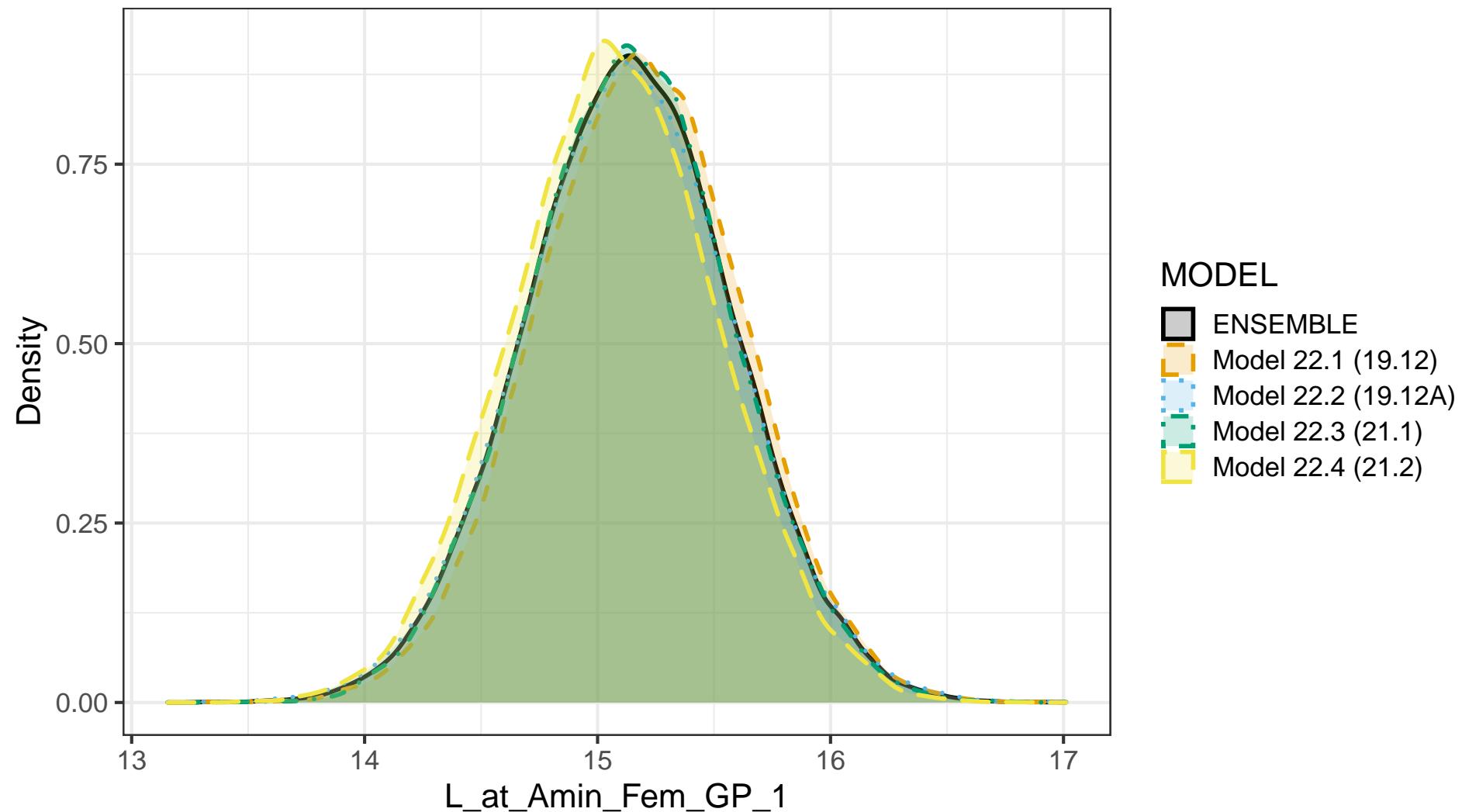
Survey_2000



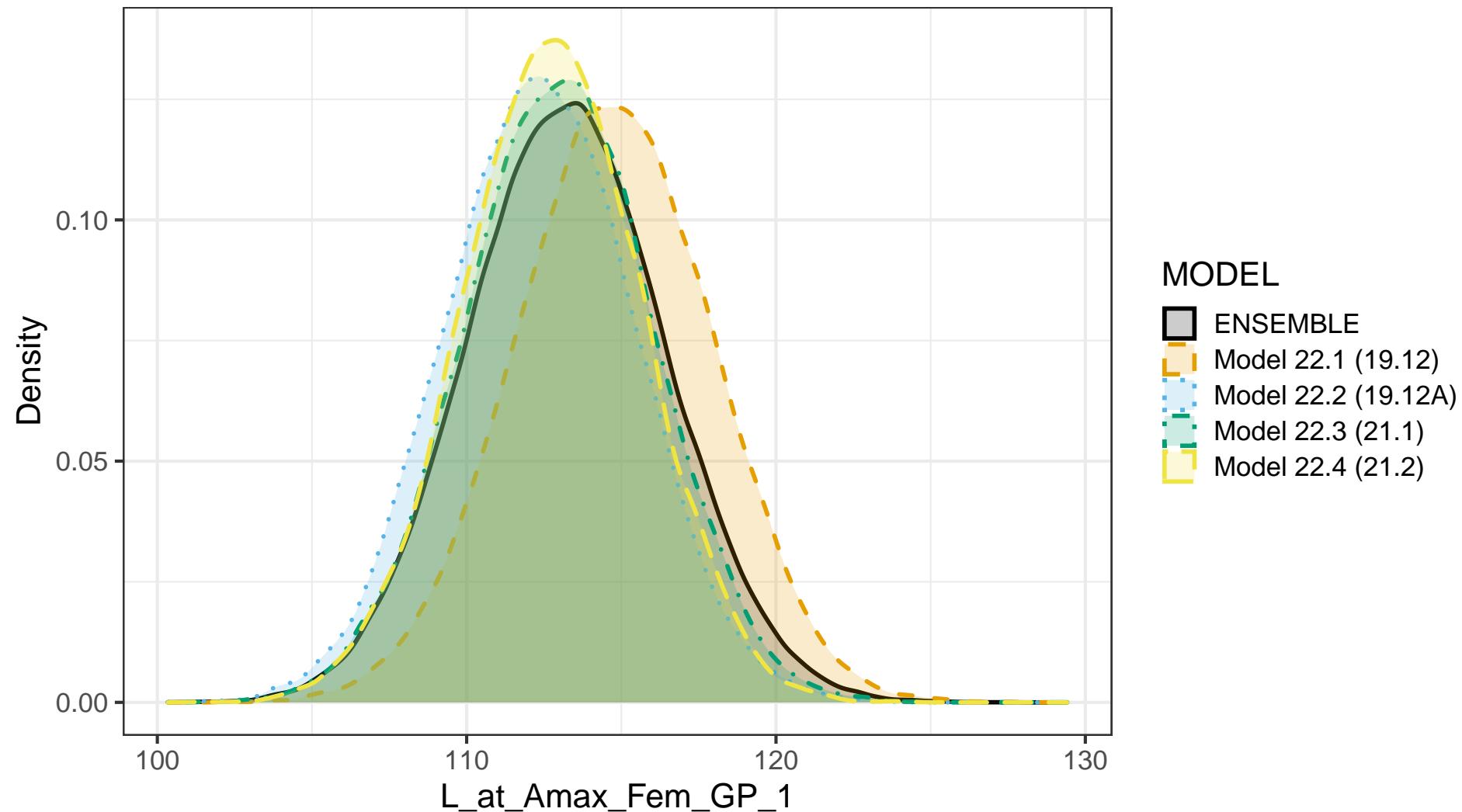
NatM_uniform_Fem_GP_1



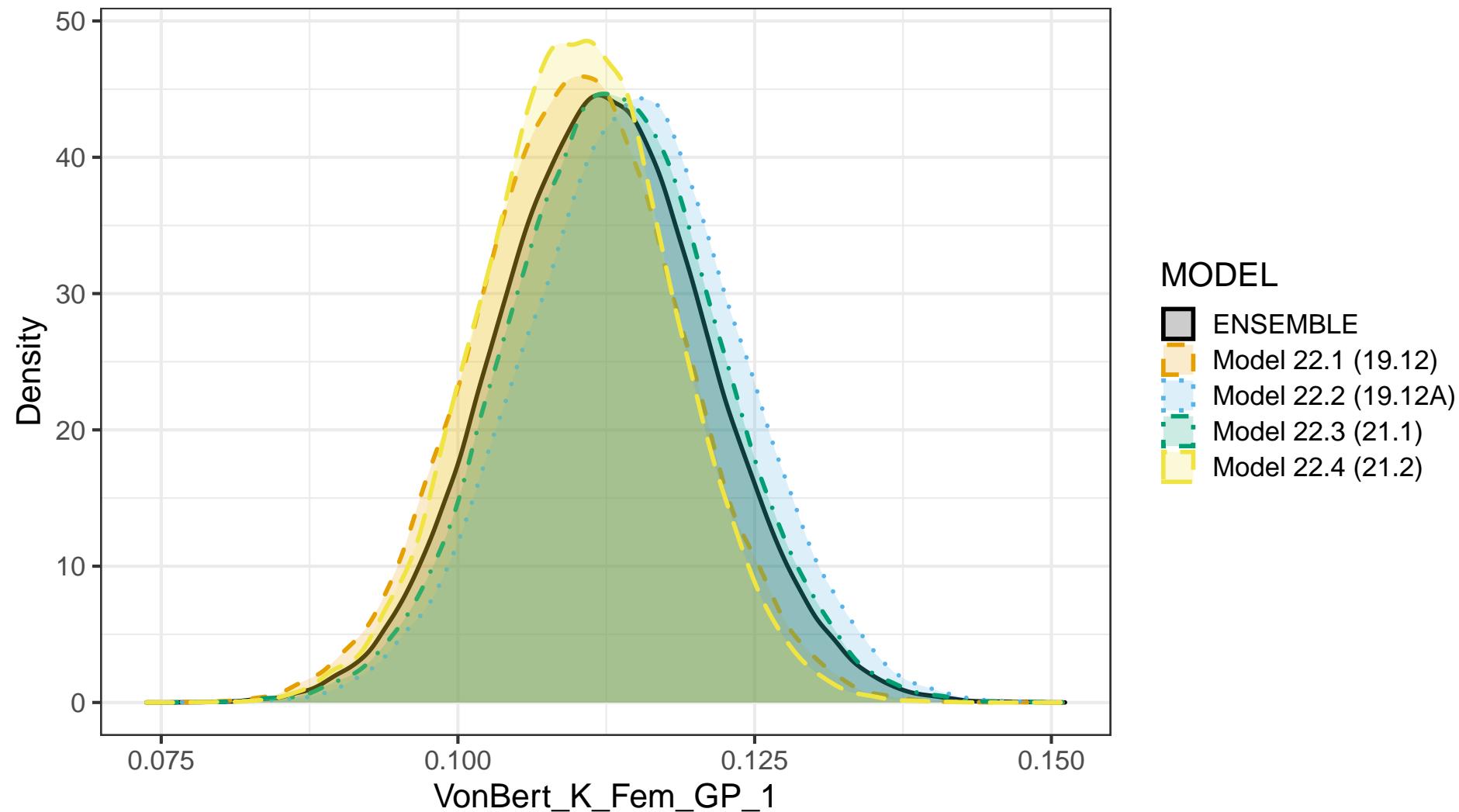
L_at_Amin_Fem_GP_1



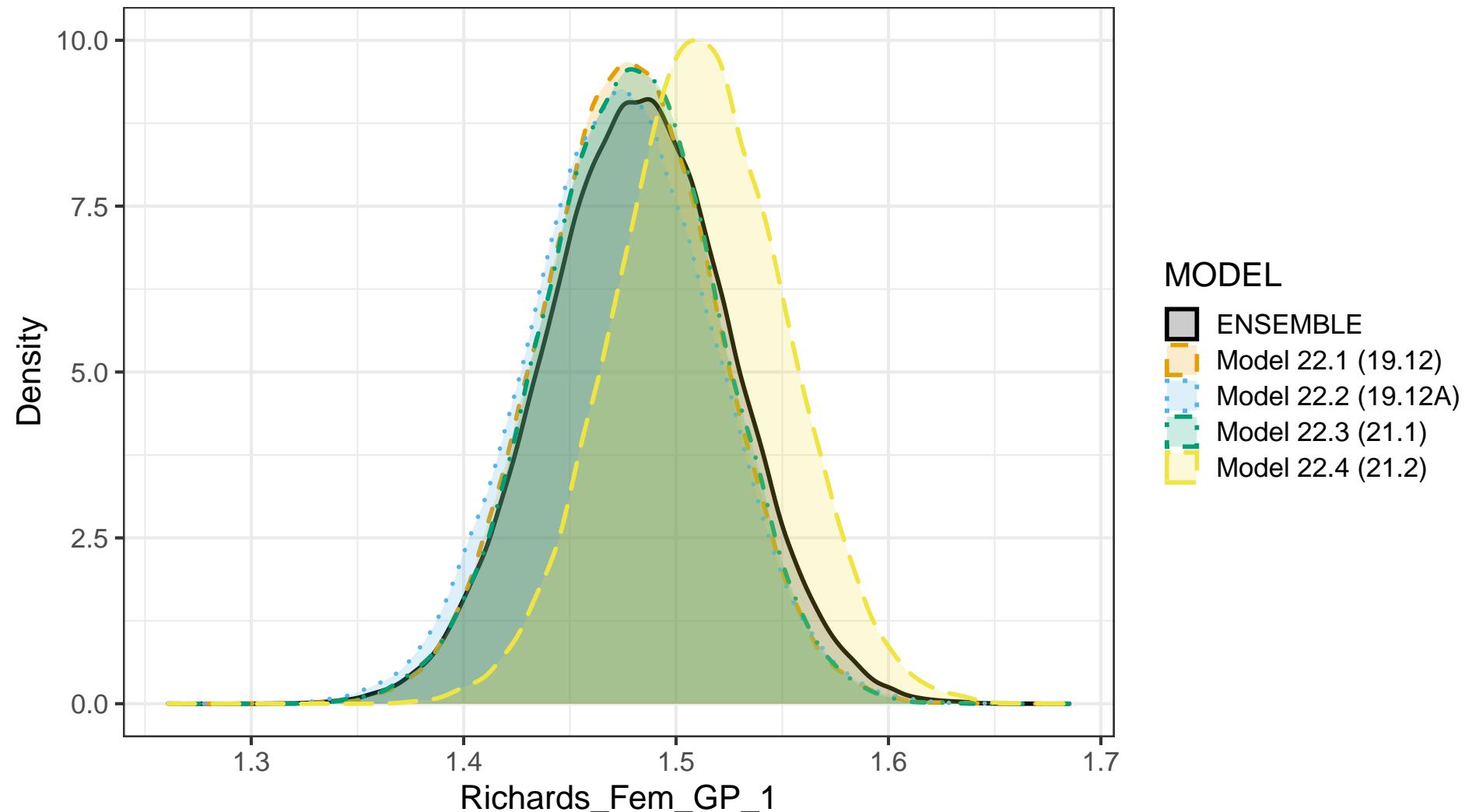
L_at_Amax_Fem_GP_1



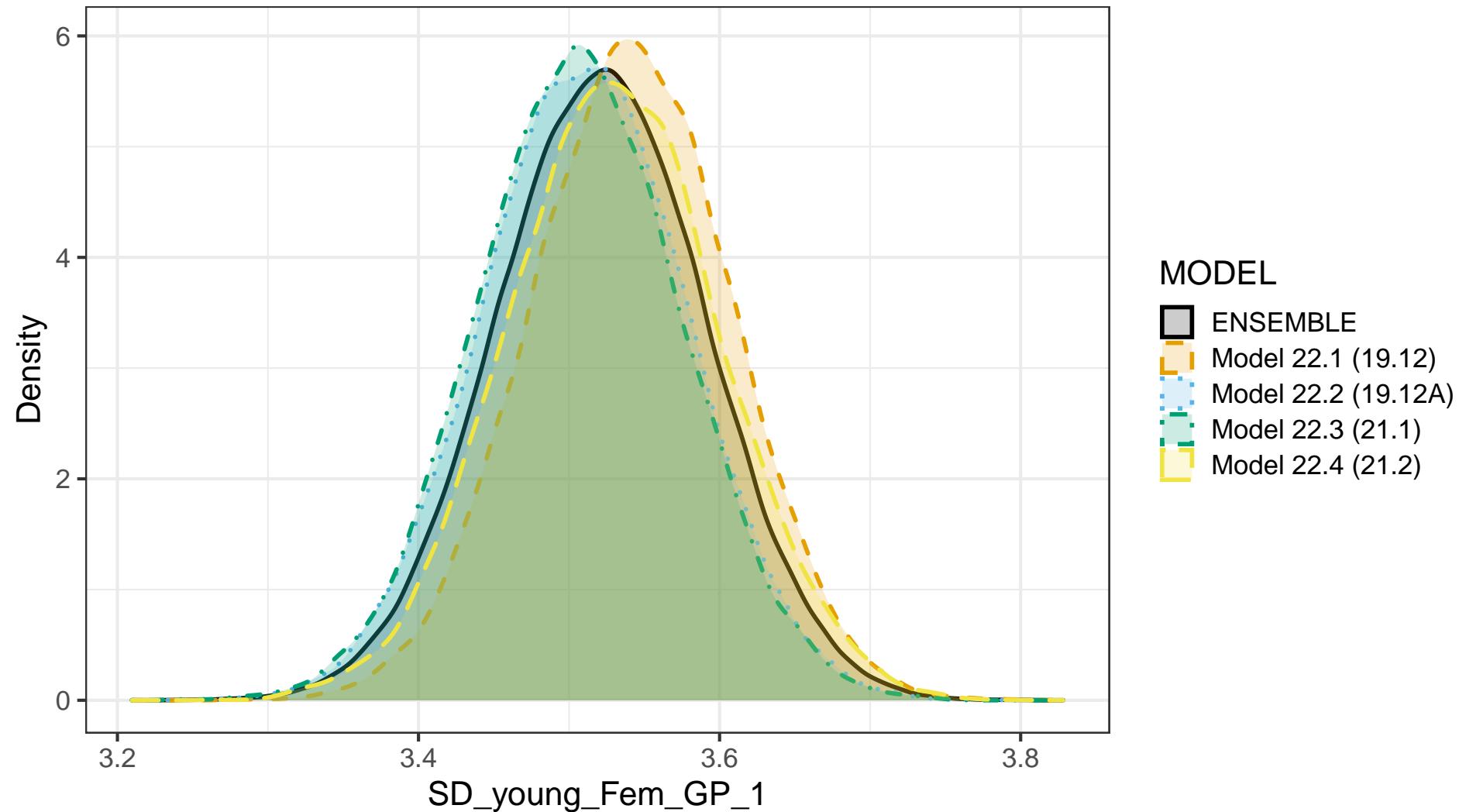
VonBert_K_Fem_GP_1



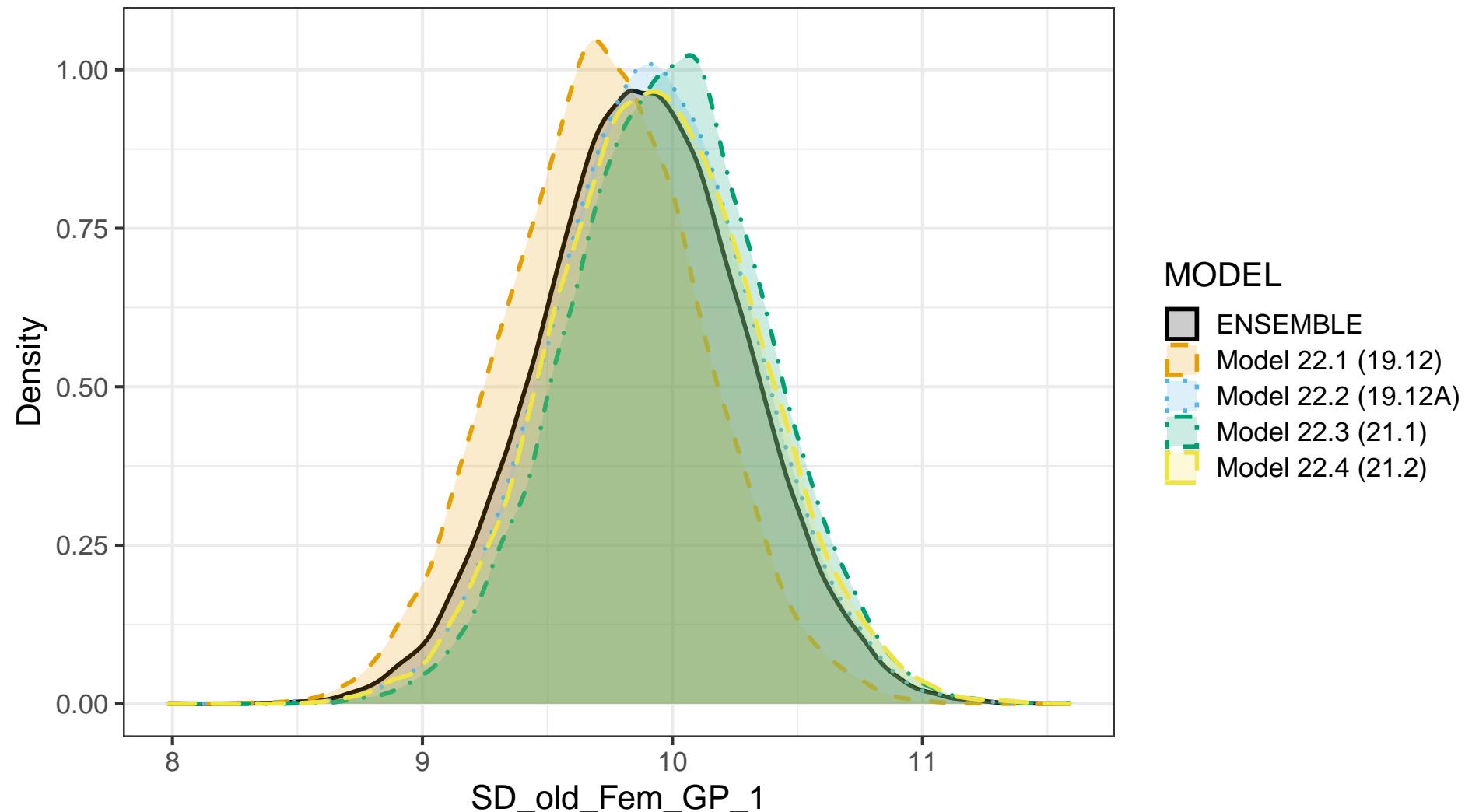
Richards_Fem_GP_1



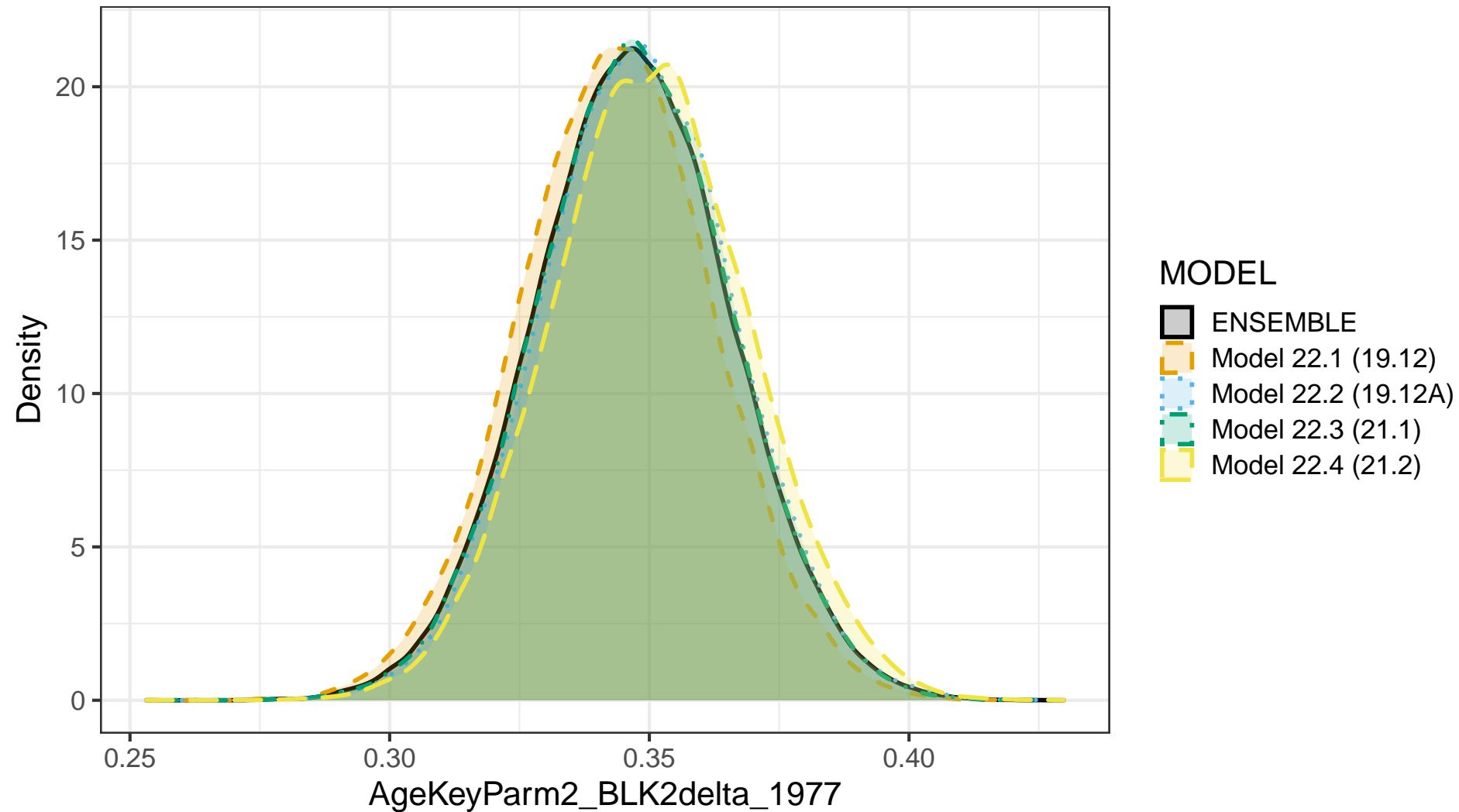
SD_young_Fem_GP_1



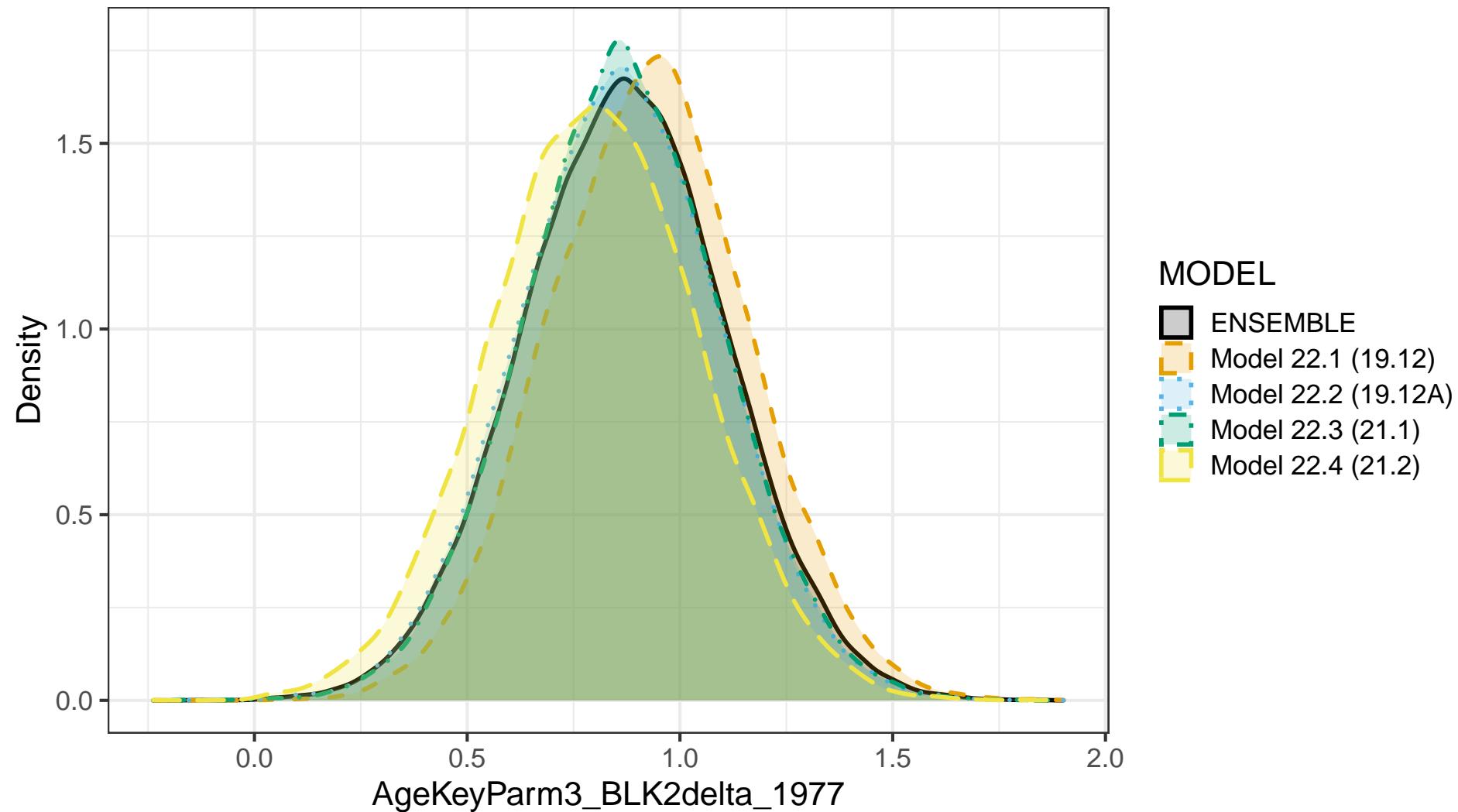
SD_old_Fem_GP_1



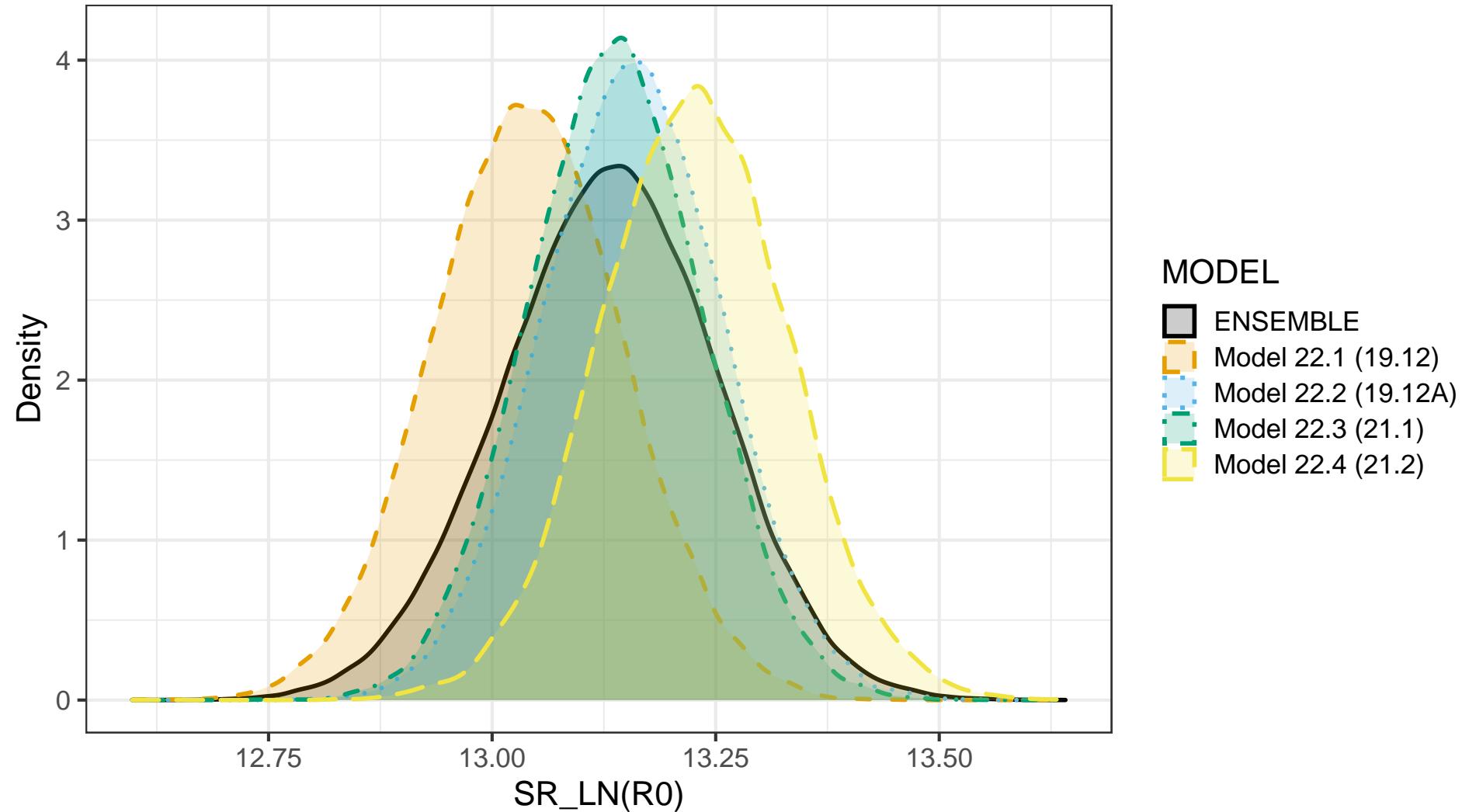
AgeKeyParm2_BLK2delta_1977



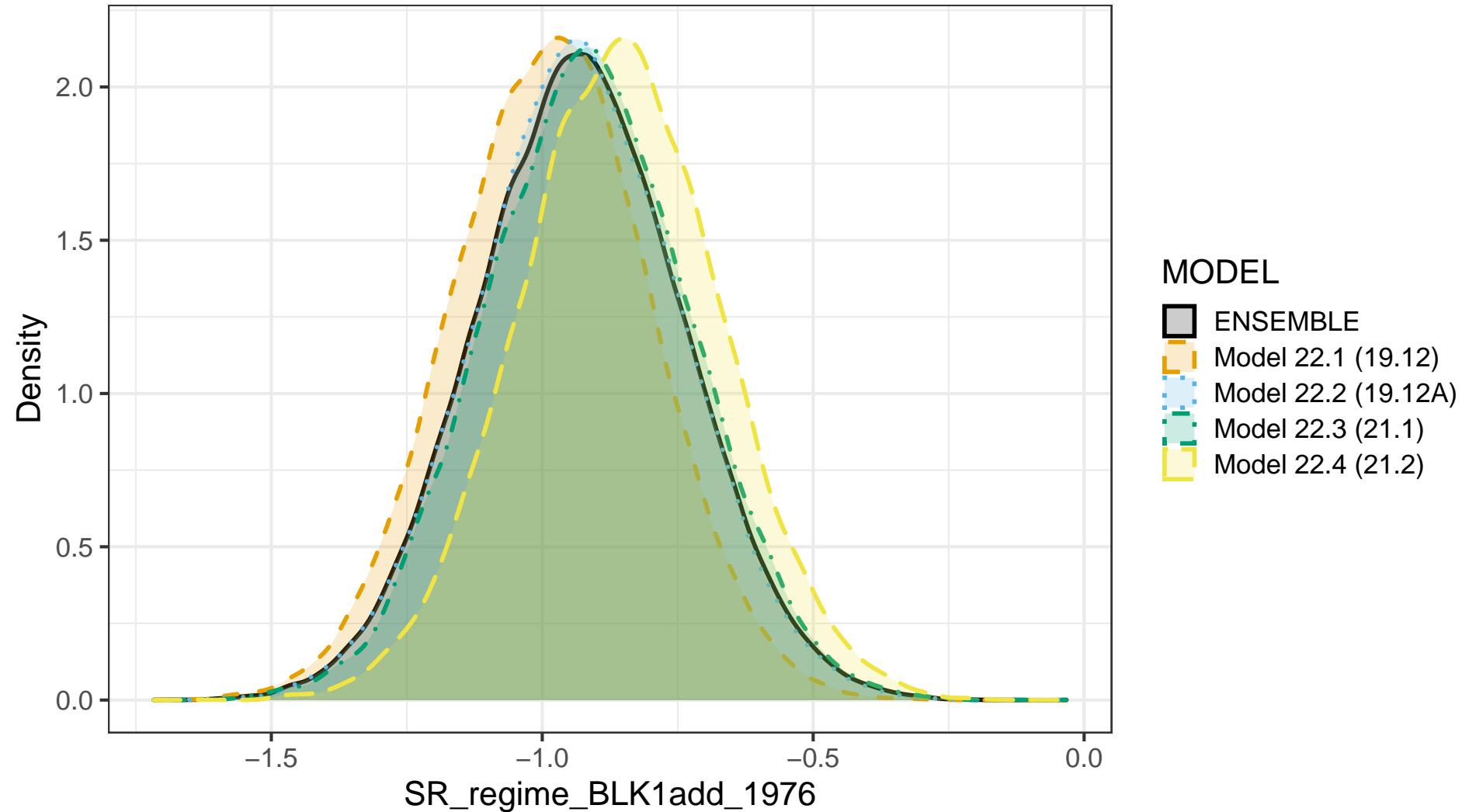
AgeKeyParm3_BLK2delta_1977



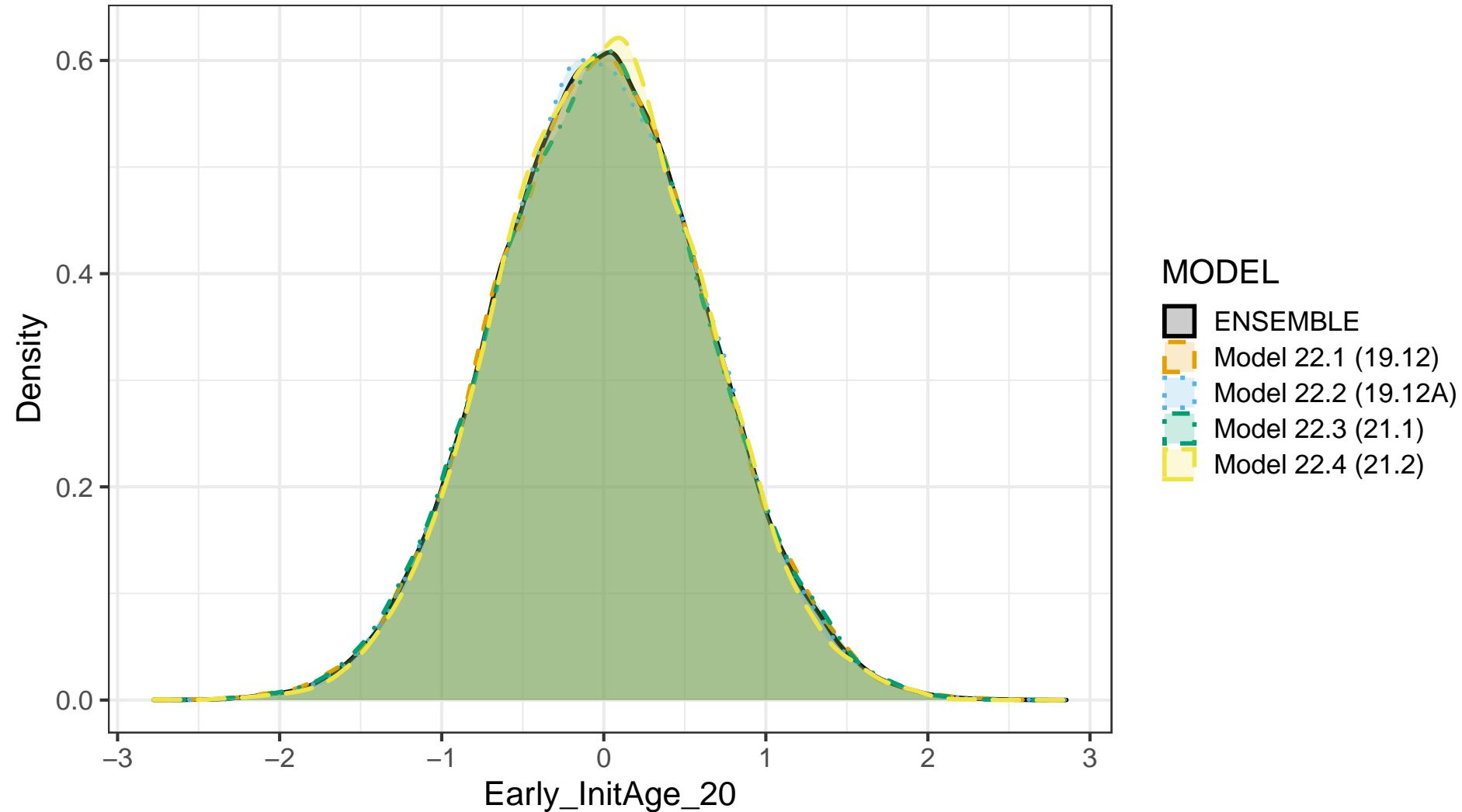
SR_LN(R0)



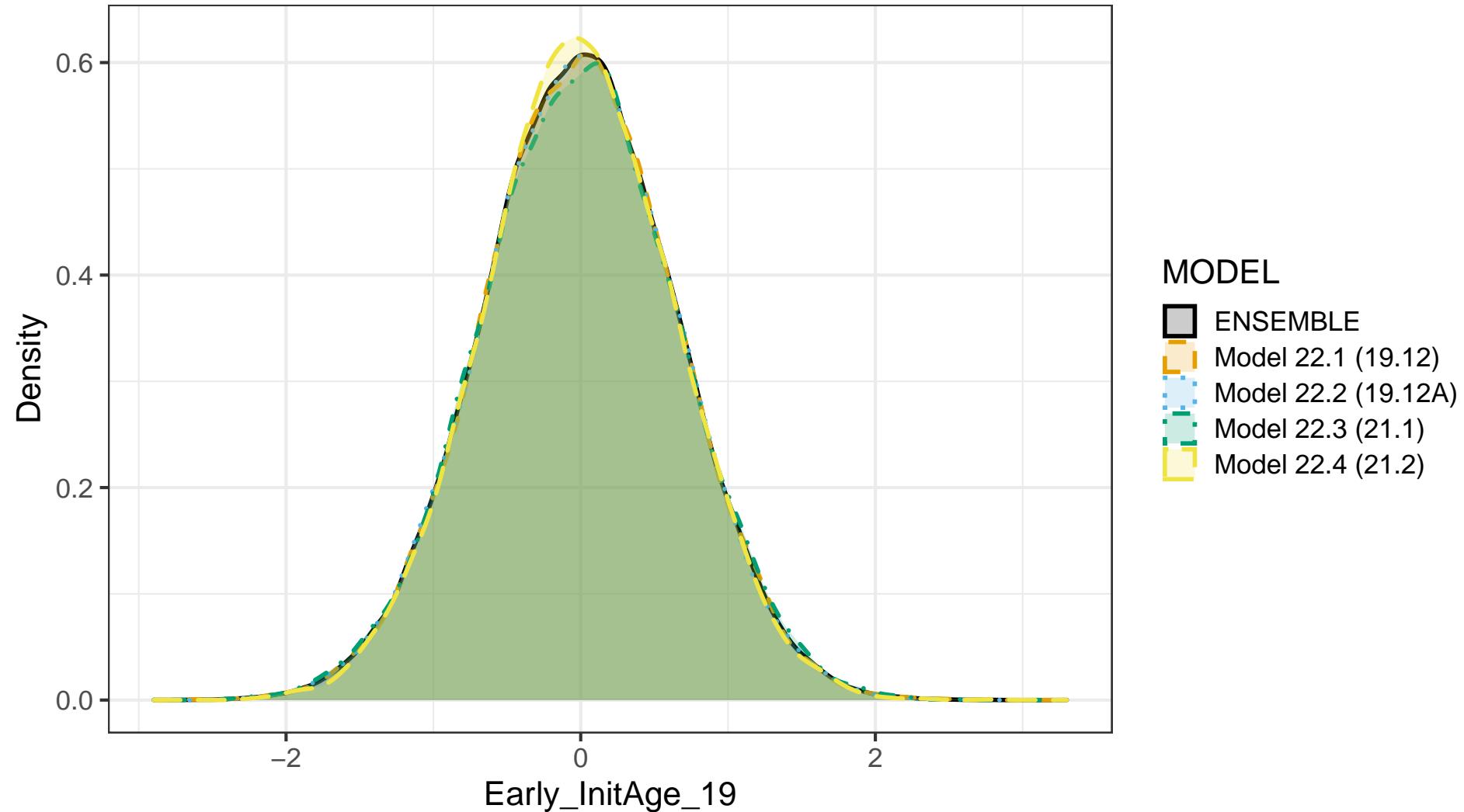
SR_regime_BLK1add_1976



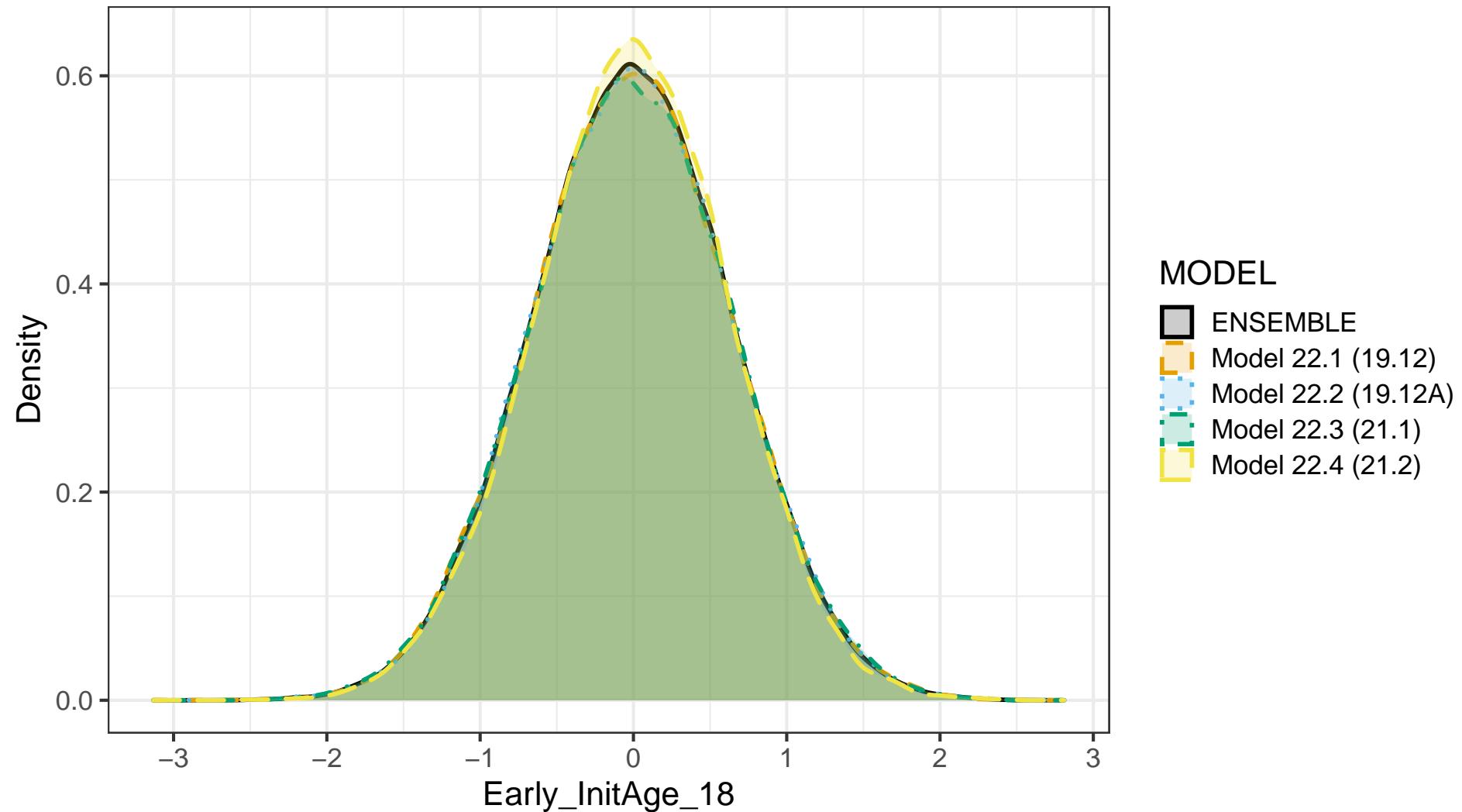
Early_InitAge_20



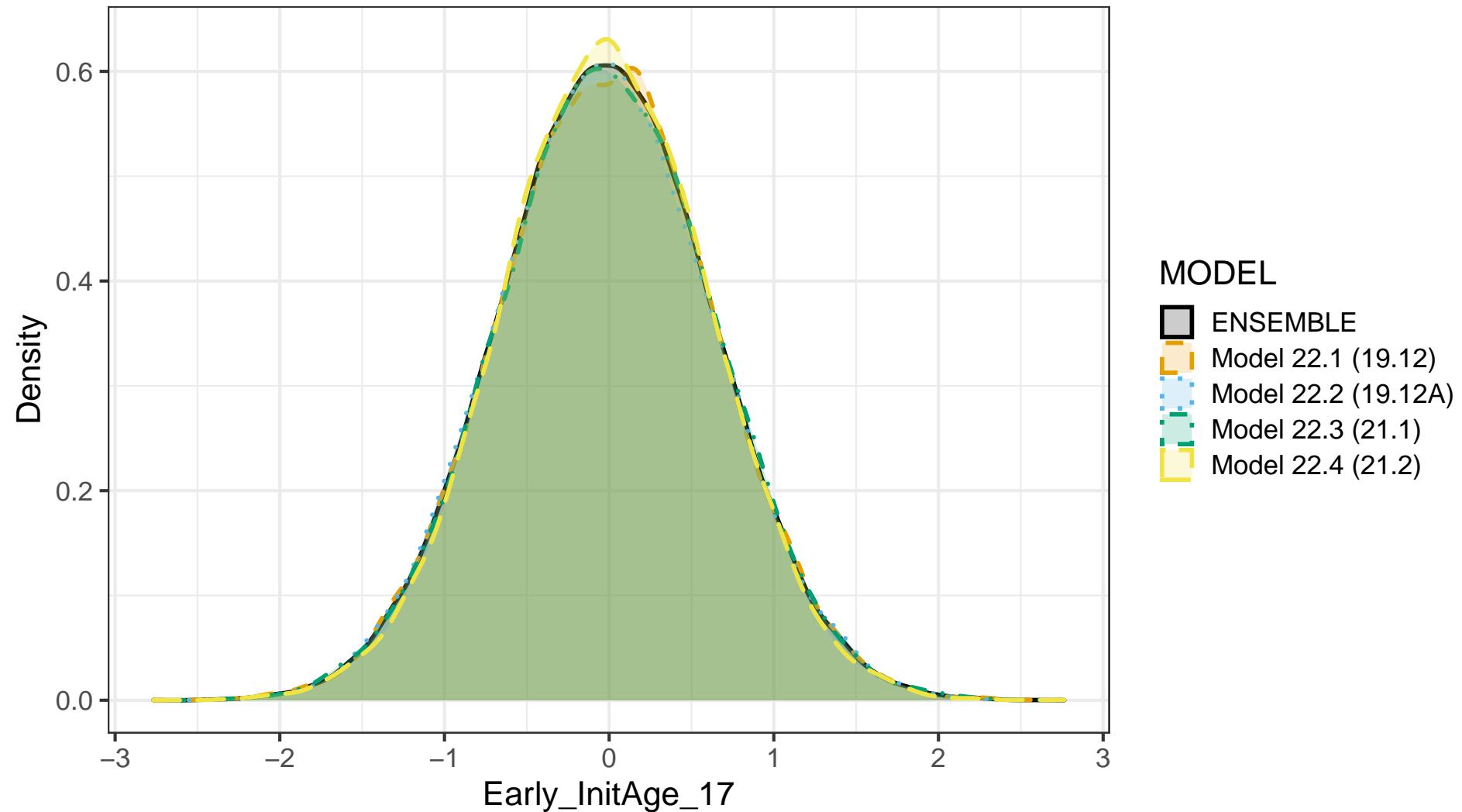
Early_InitAge_19



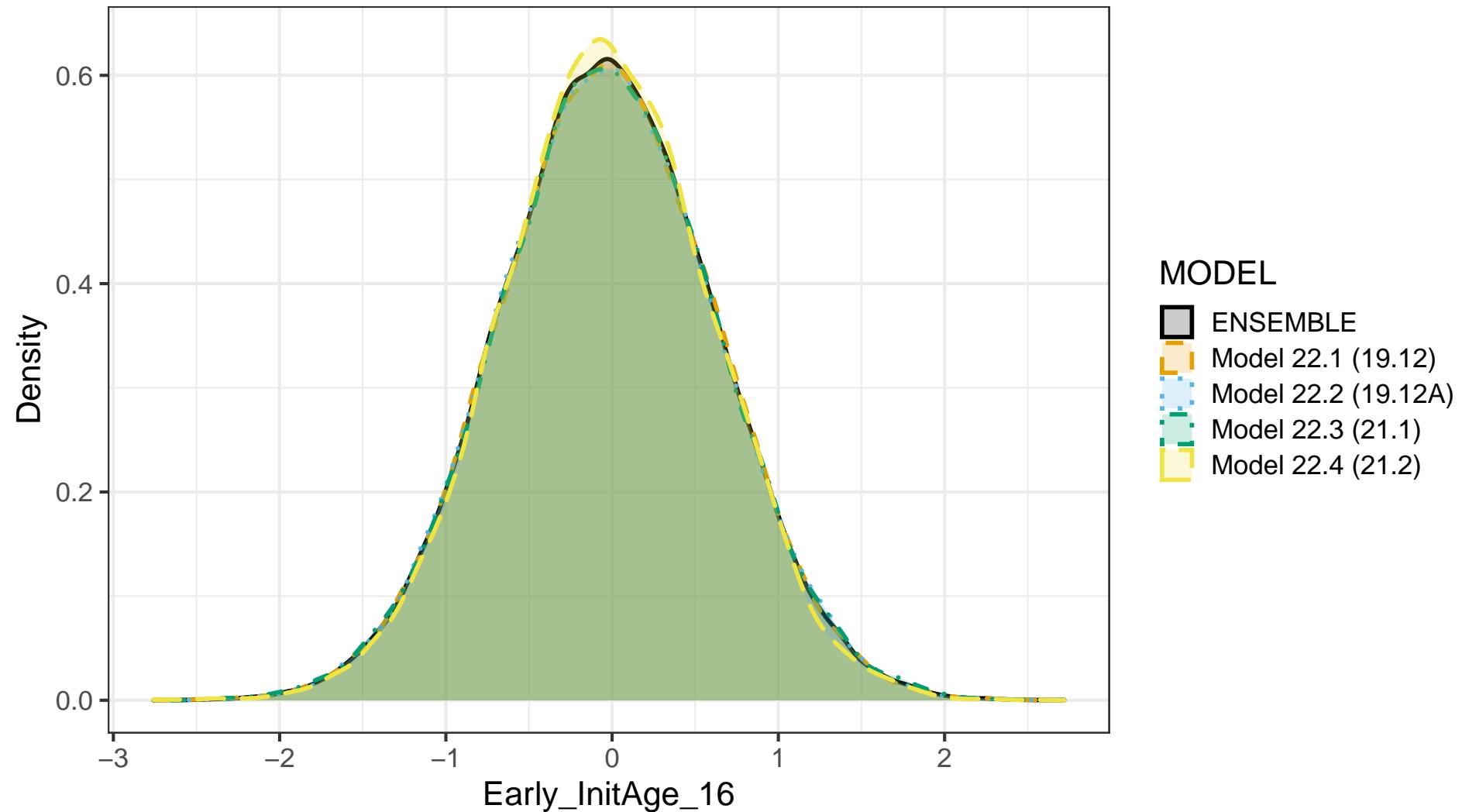
Early_InitAge_18



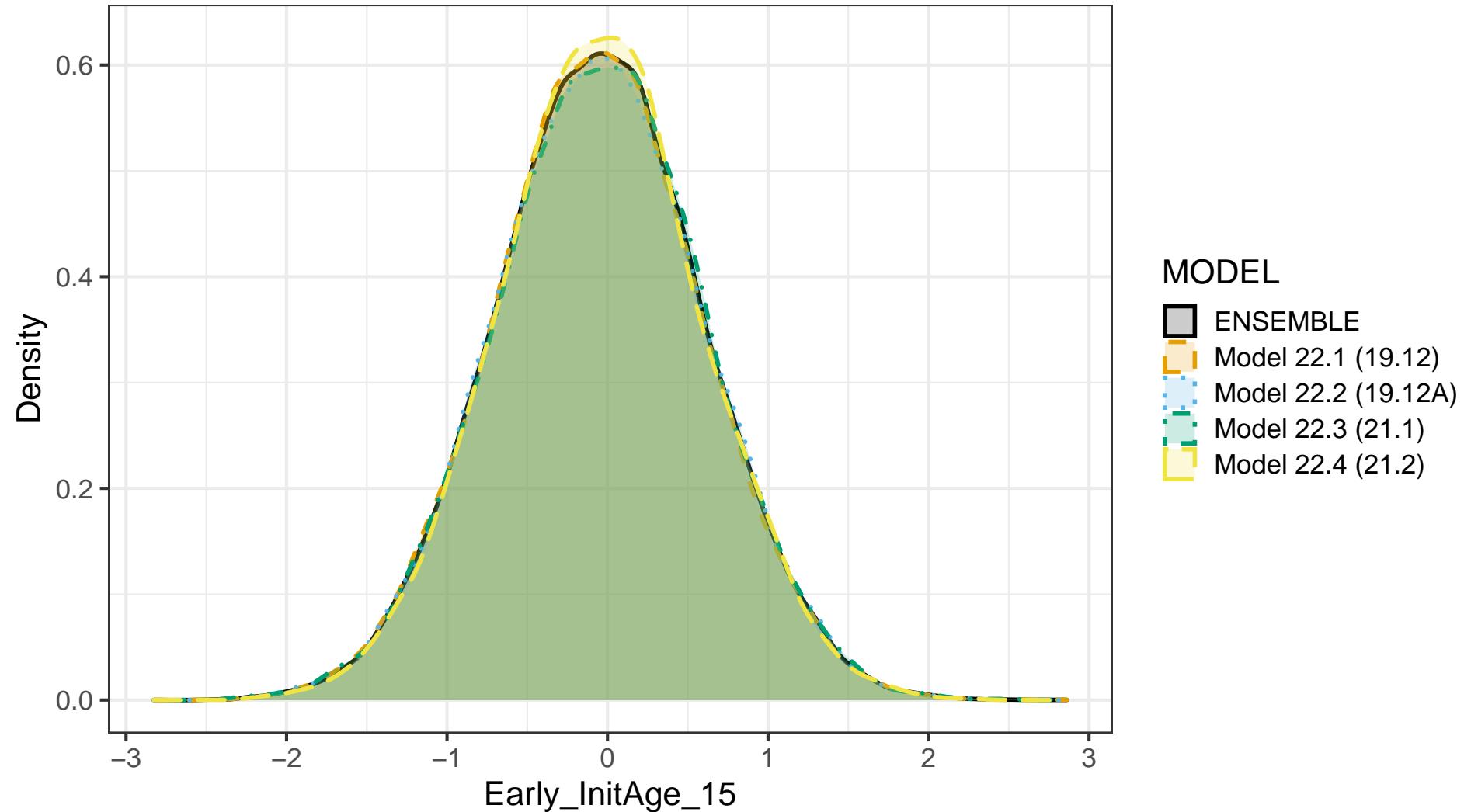
Early_InitAge_17



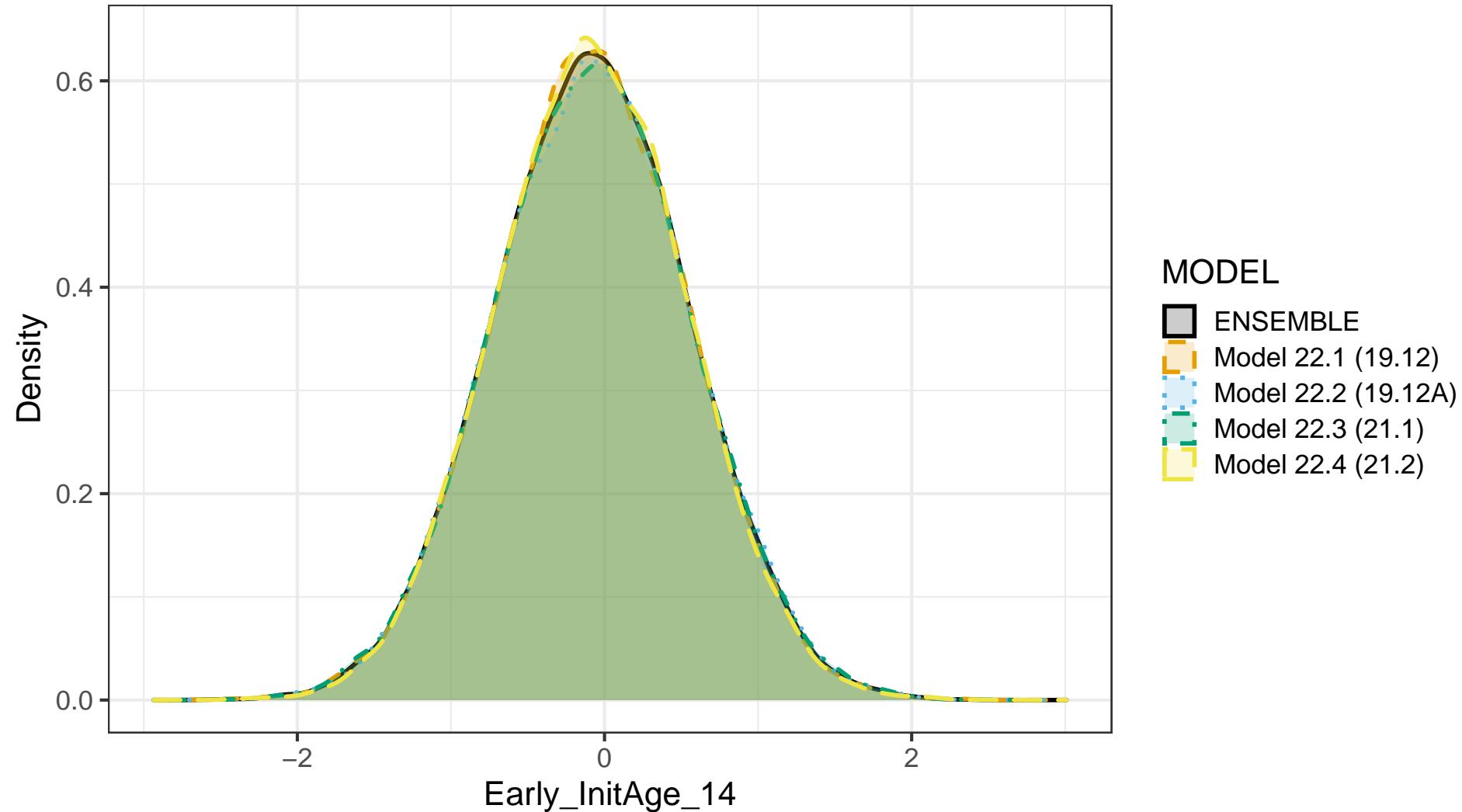
Early_InitAge_16



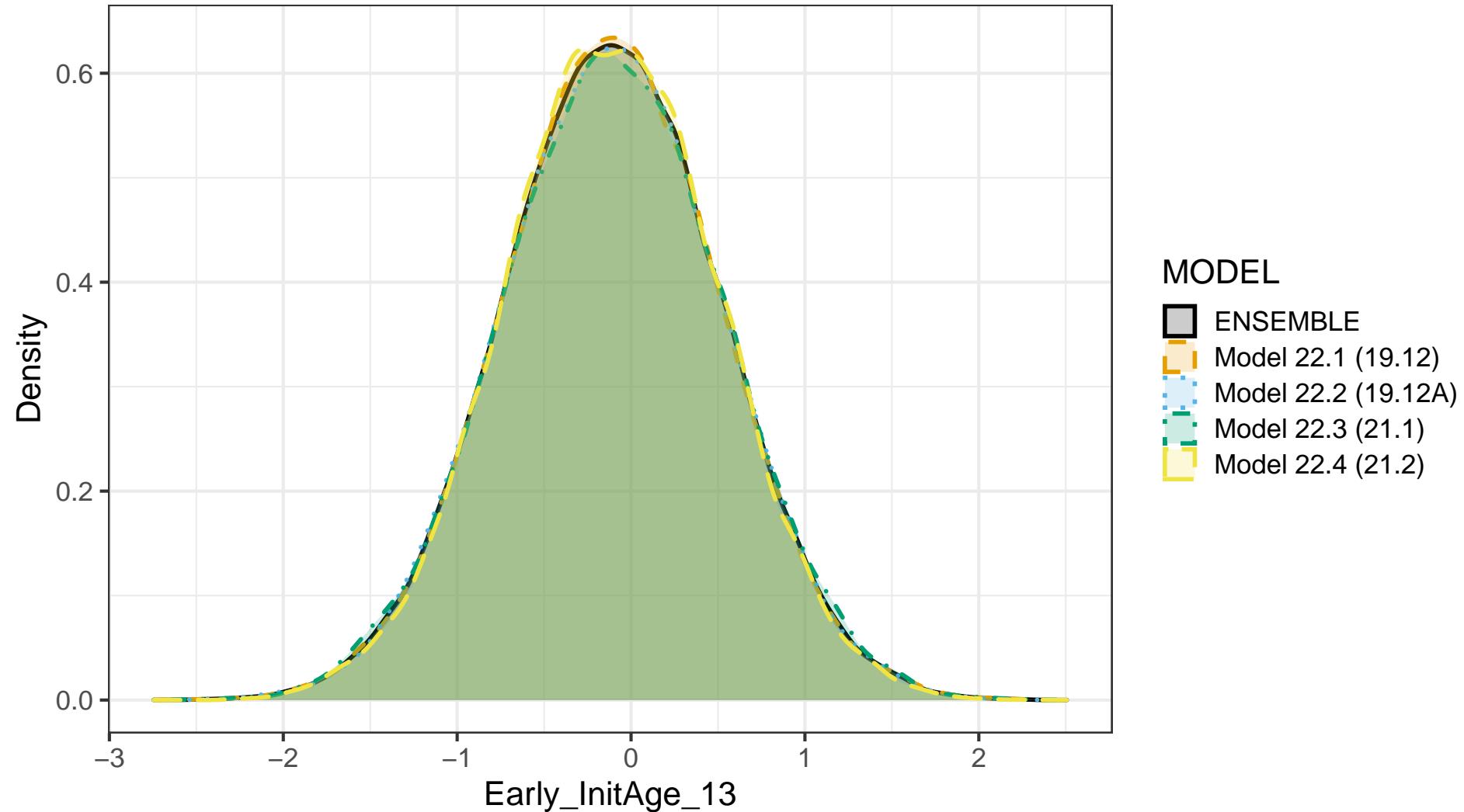
Early_InitAge_15



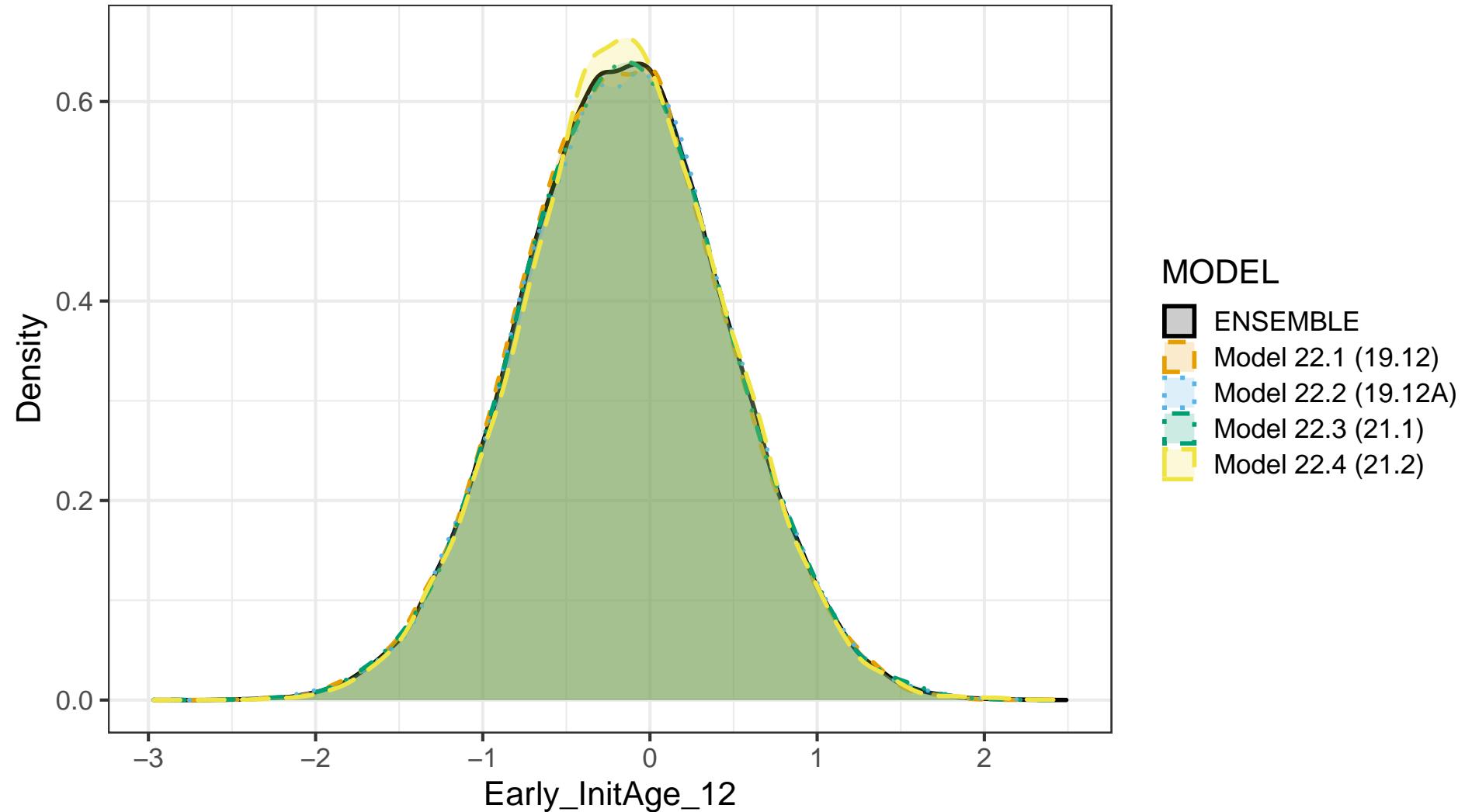
Early_InitAge_14



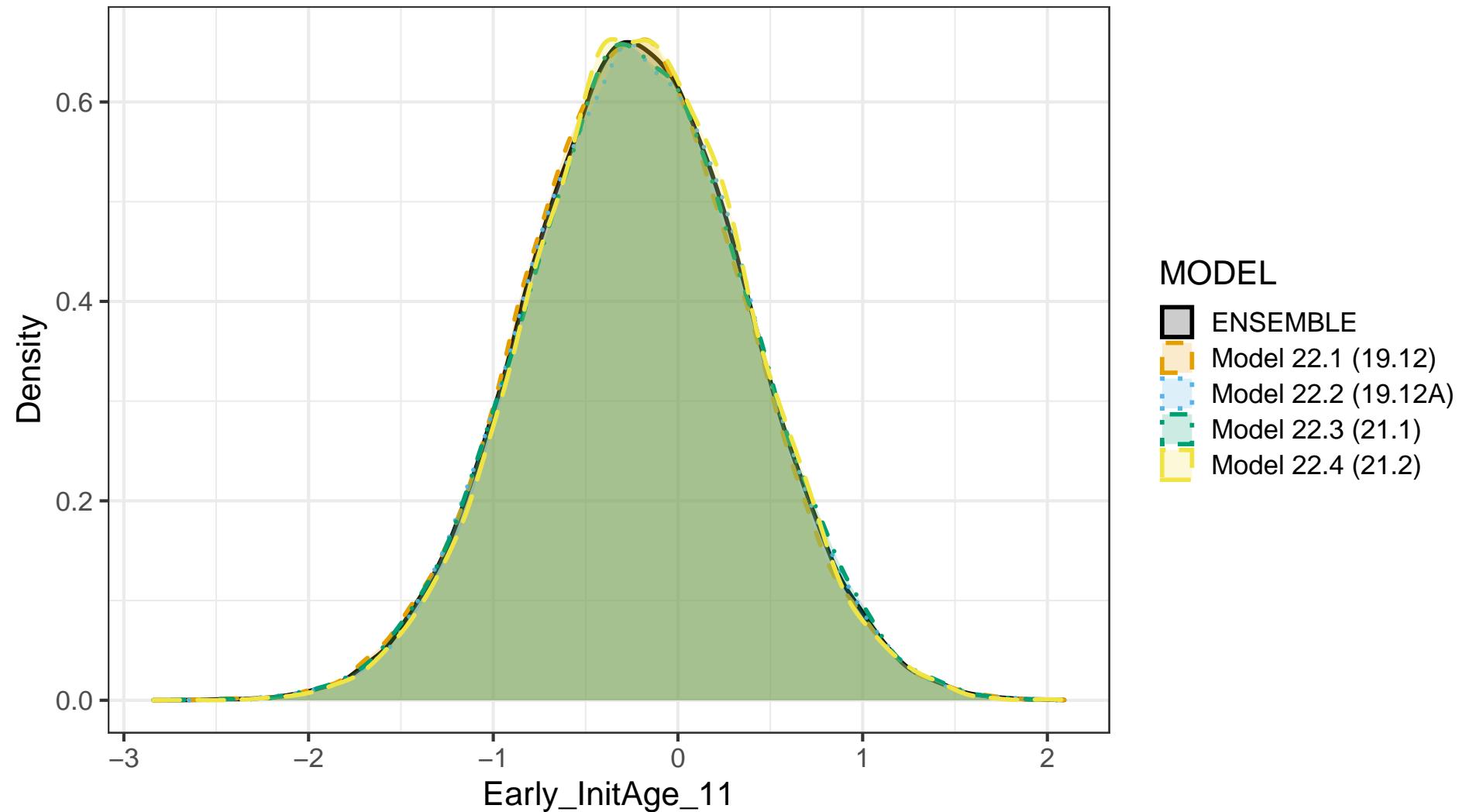
Early_InitAge_13



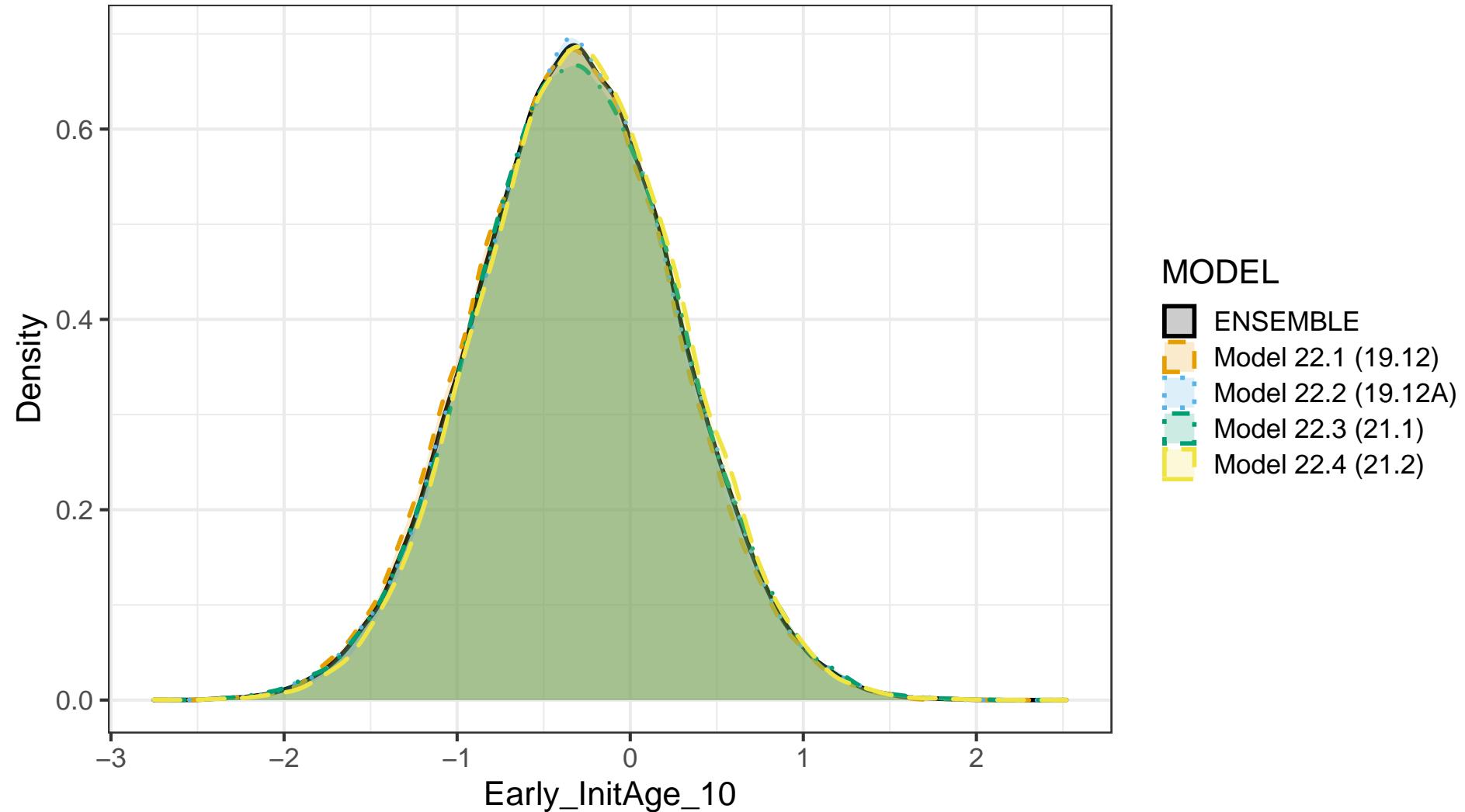
Early_InitAge_12



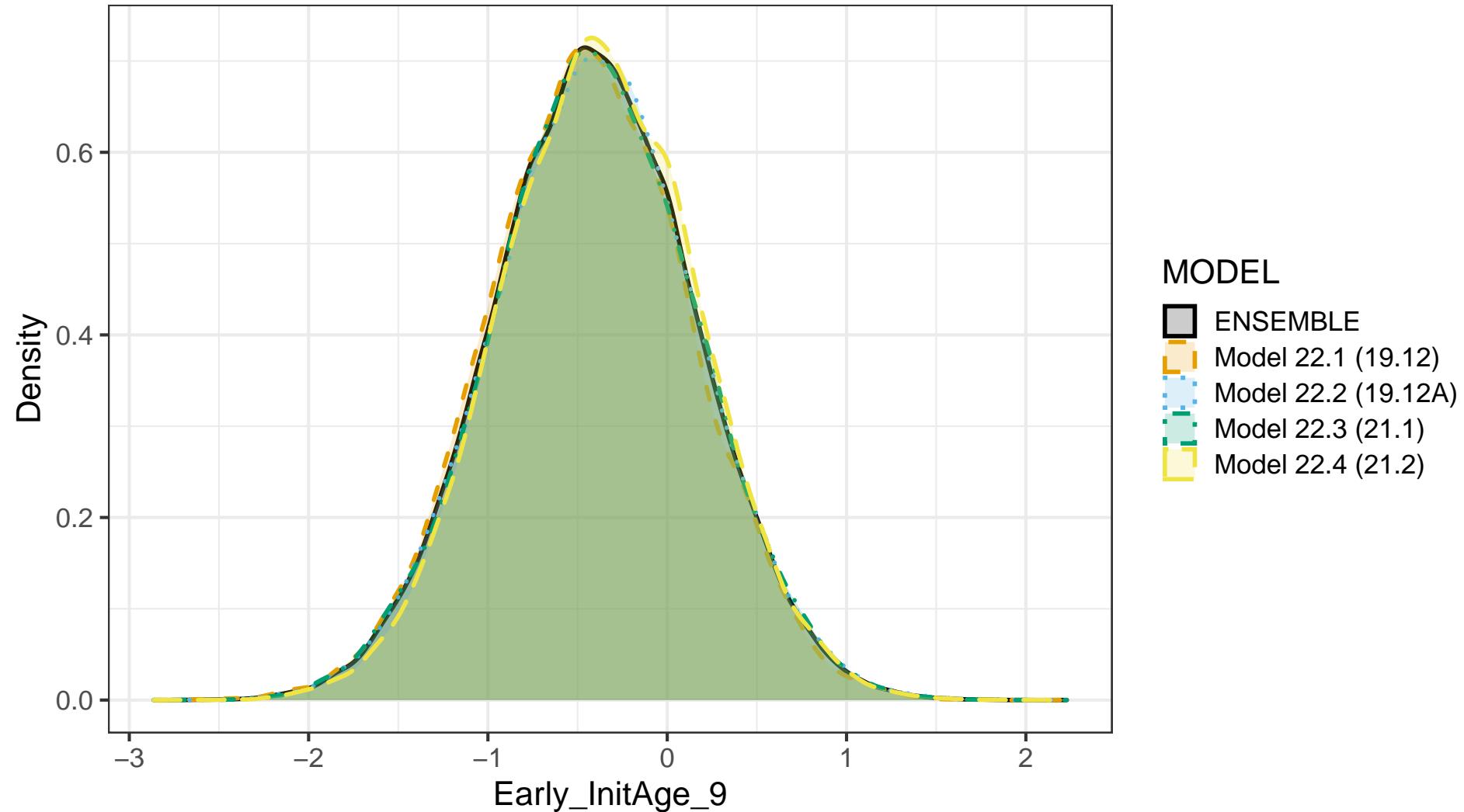
Early_InitAge_11



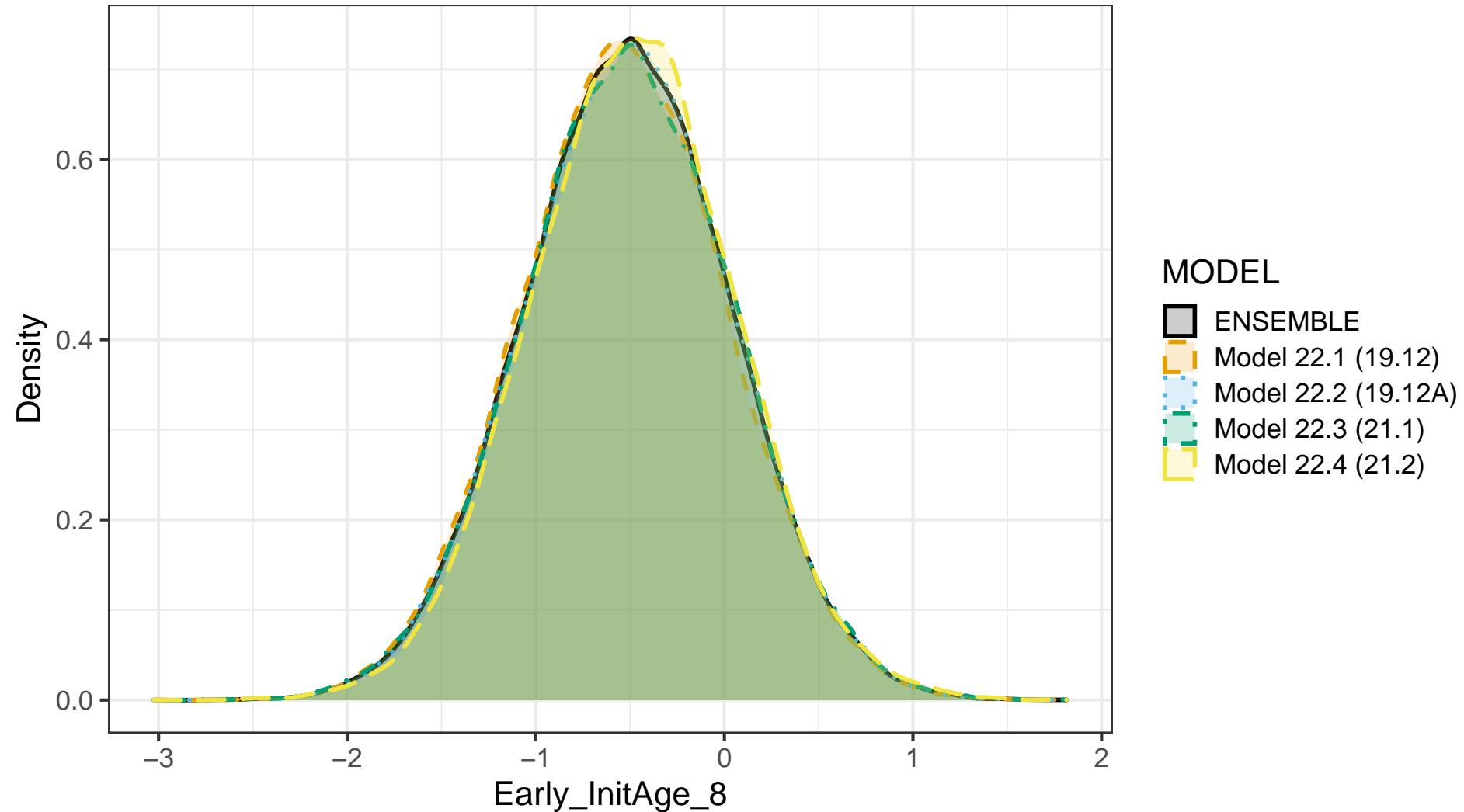
Early_InitAge_10



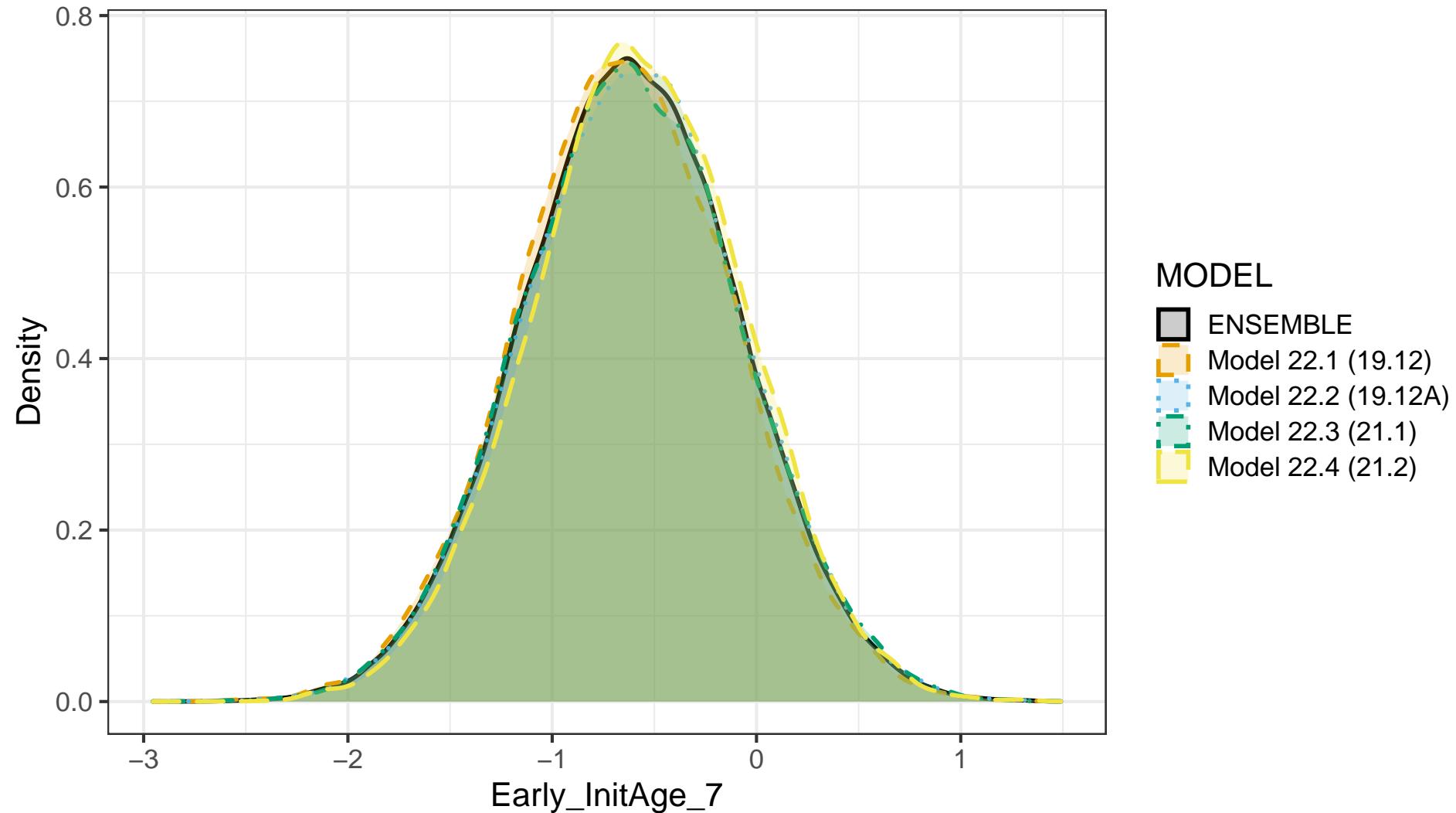
Early_InitAge_9



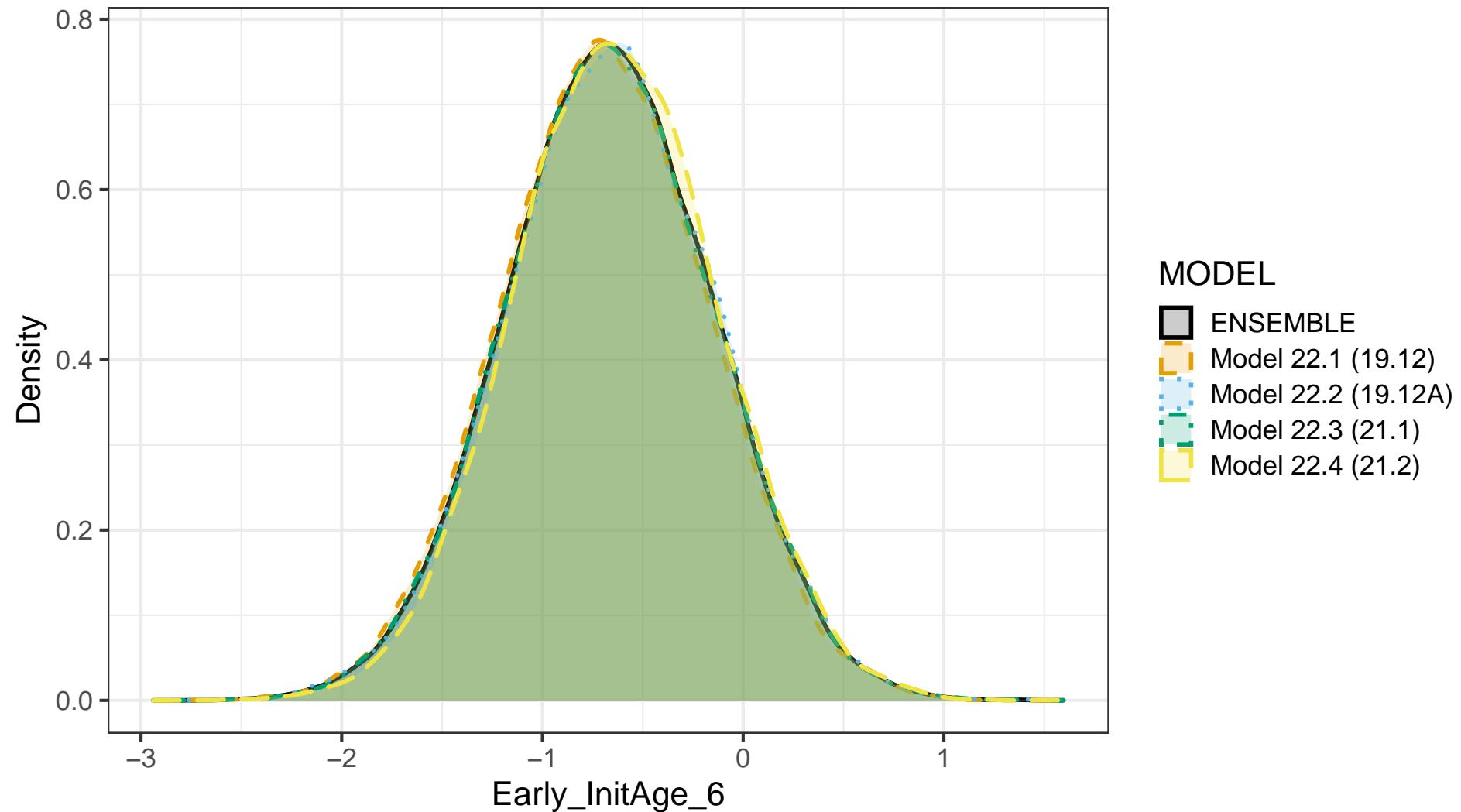
Early_InitAge_8



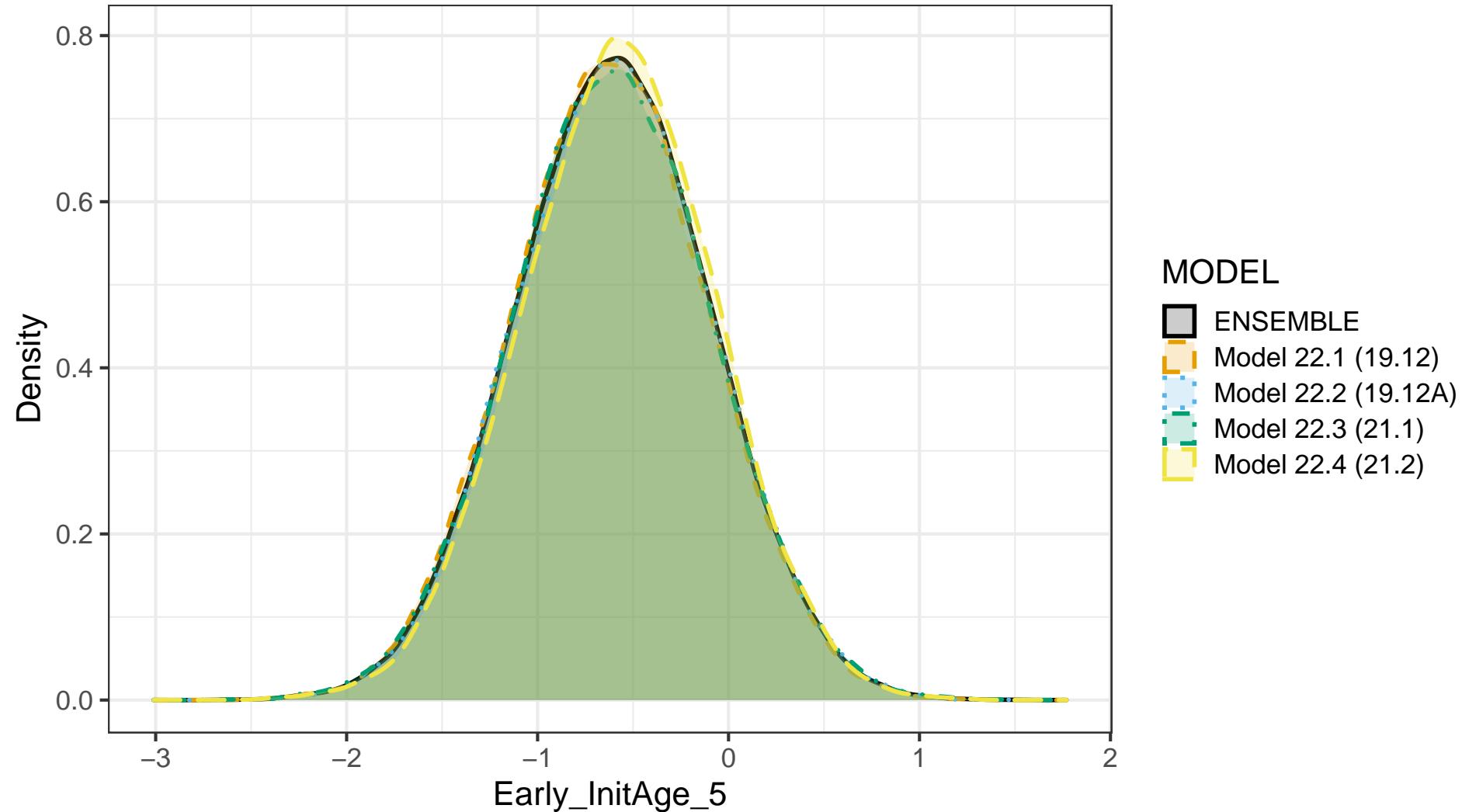
Early_InitAge_7



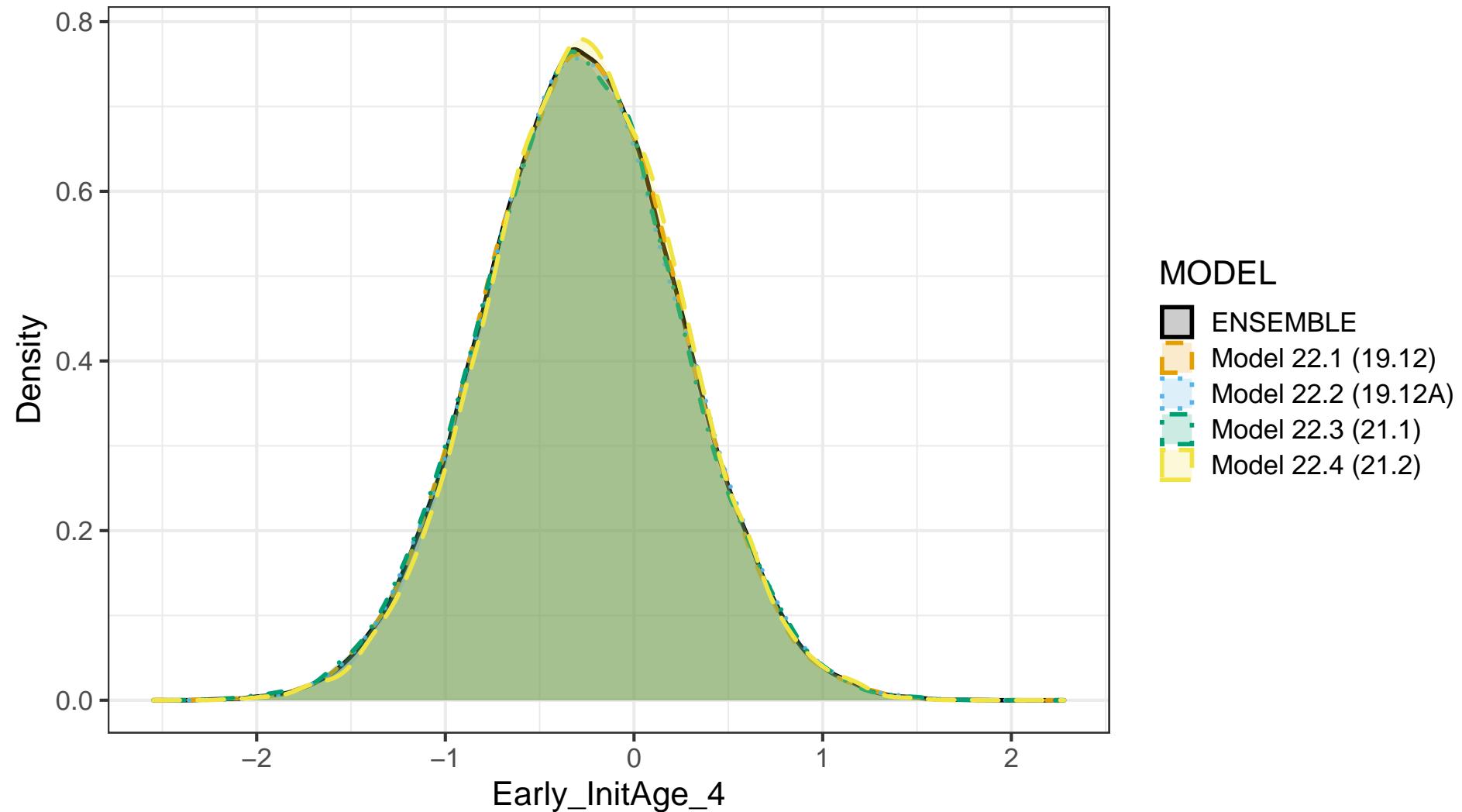
Early_InitAge_6



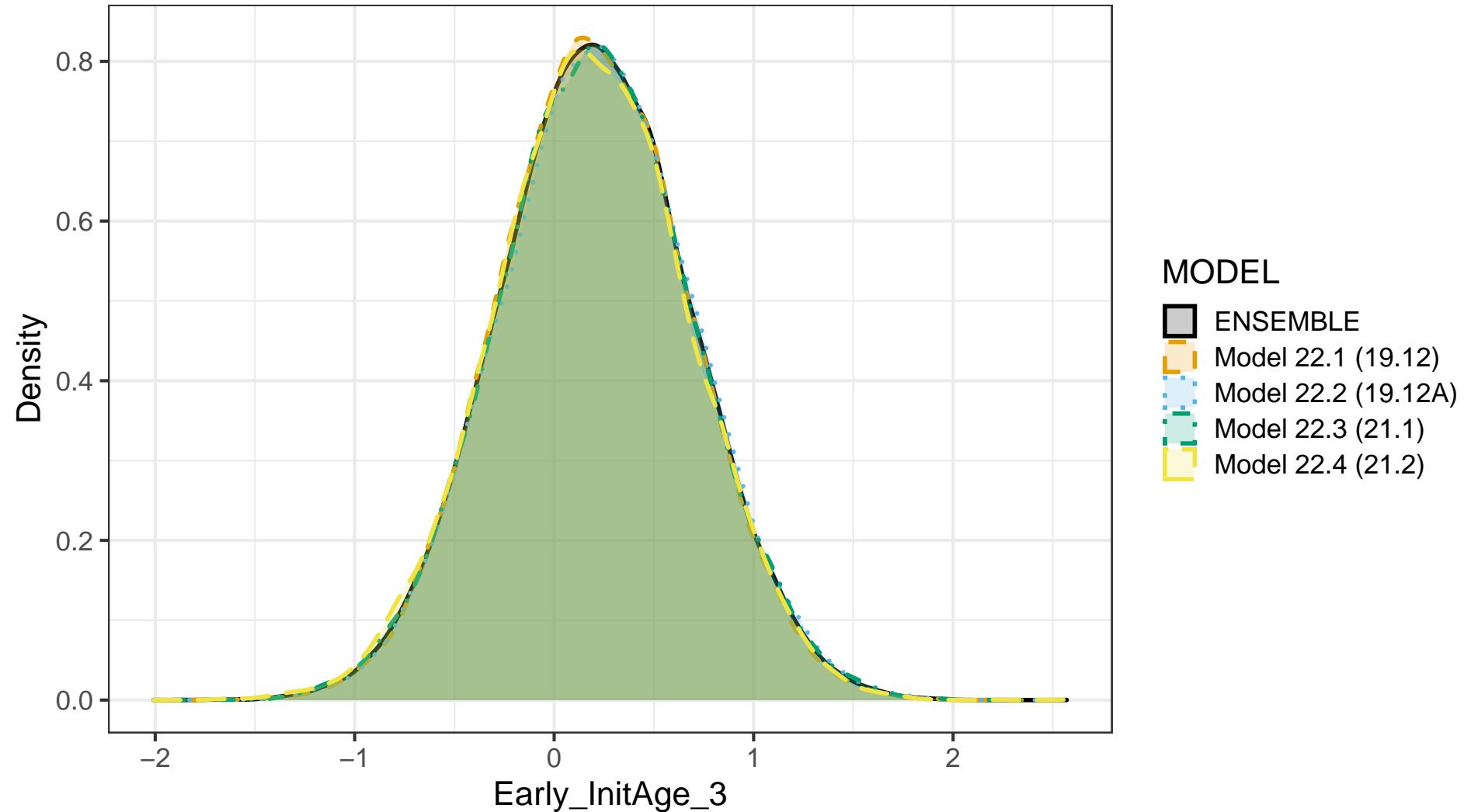
Early_InitAge_5



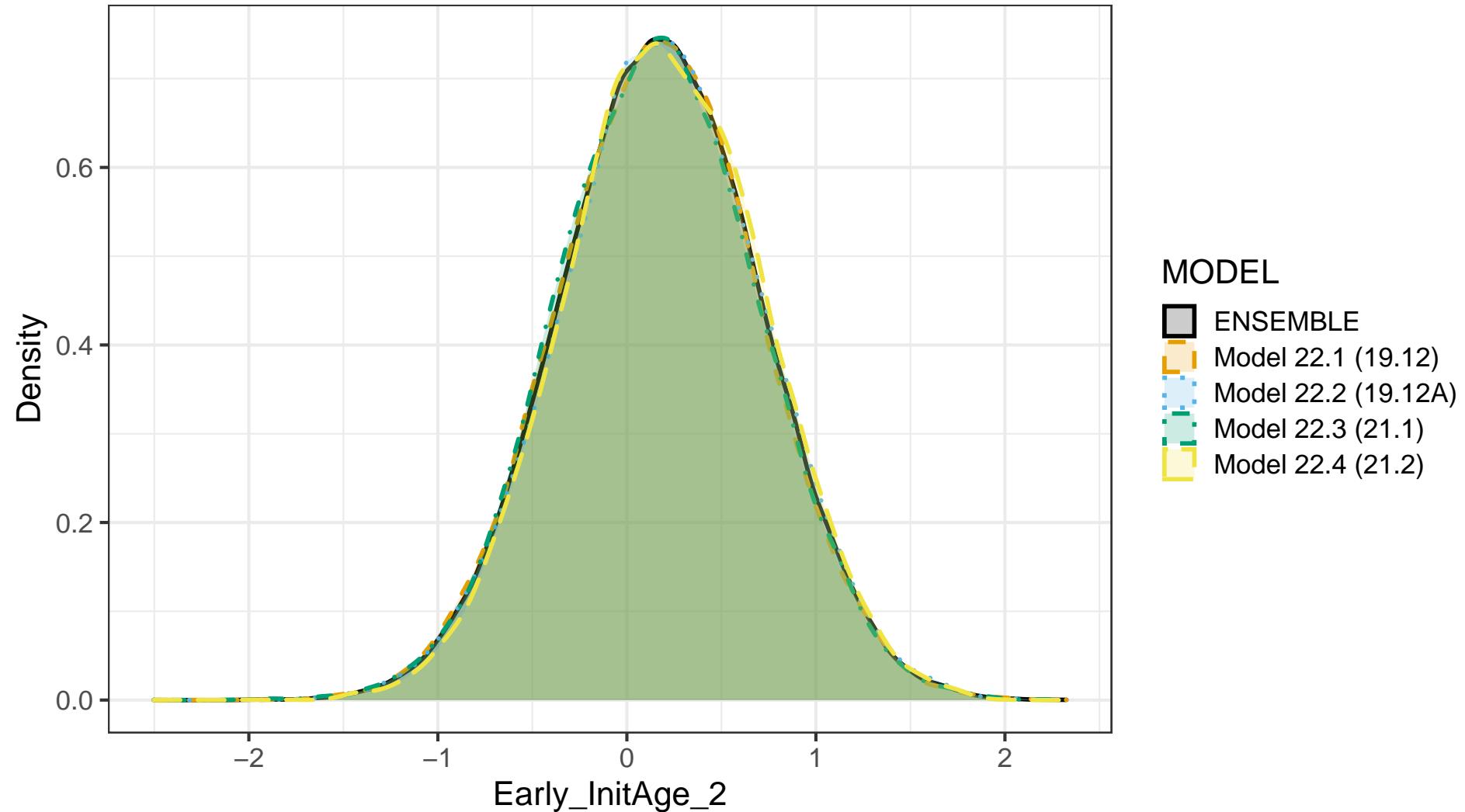
Early_InitAge_4



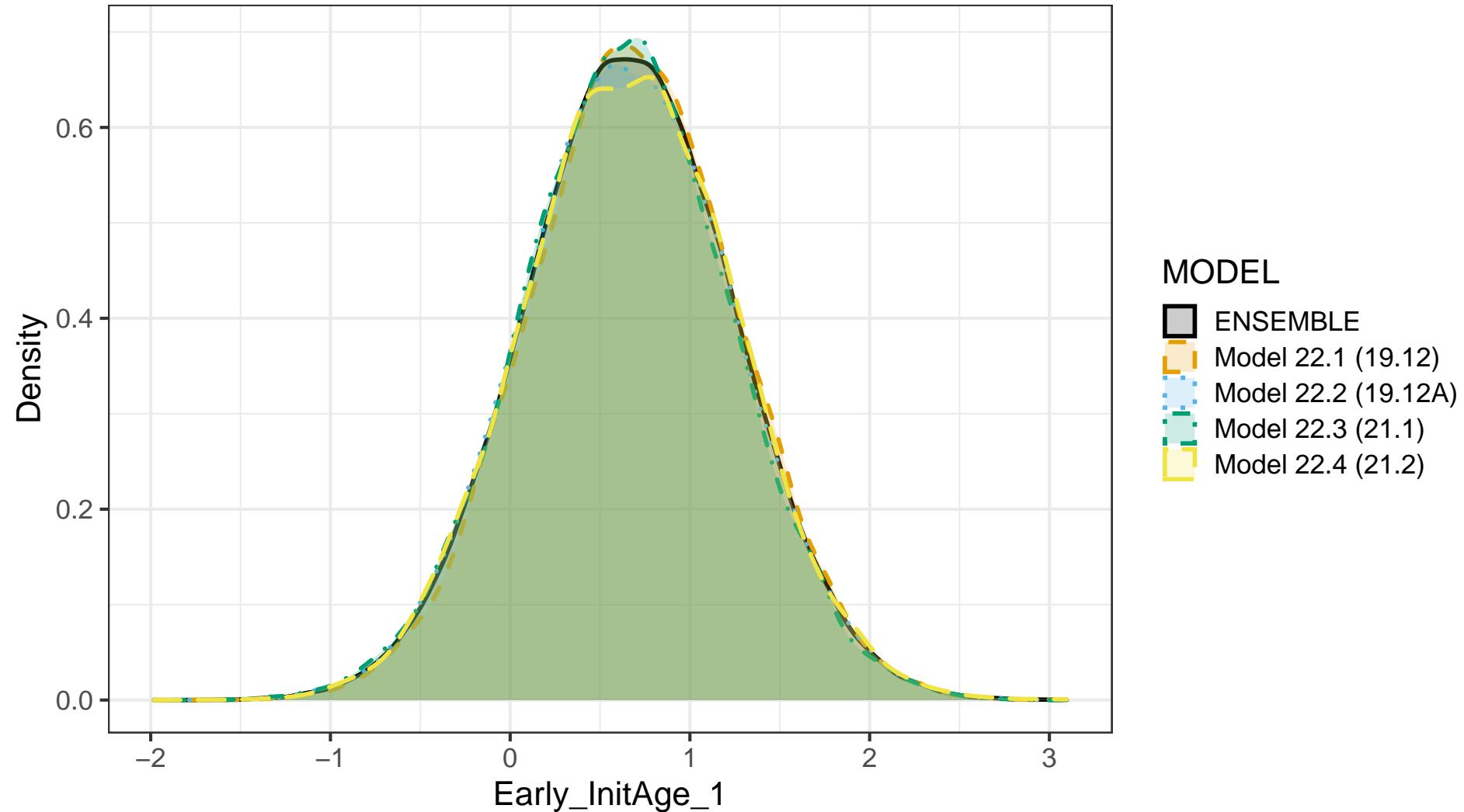
Early_InitAge_3



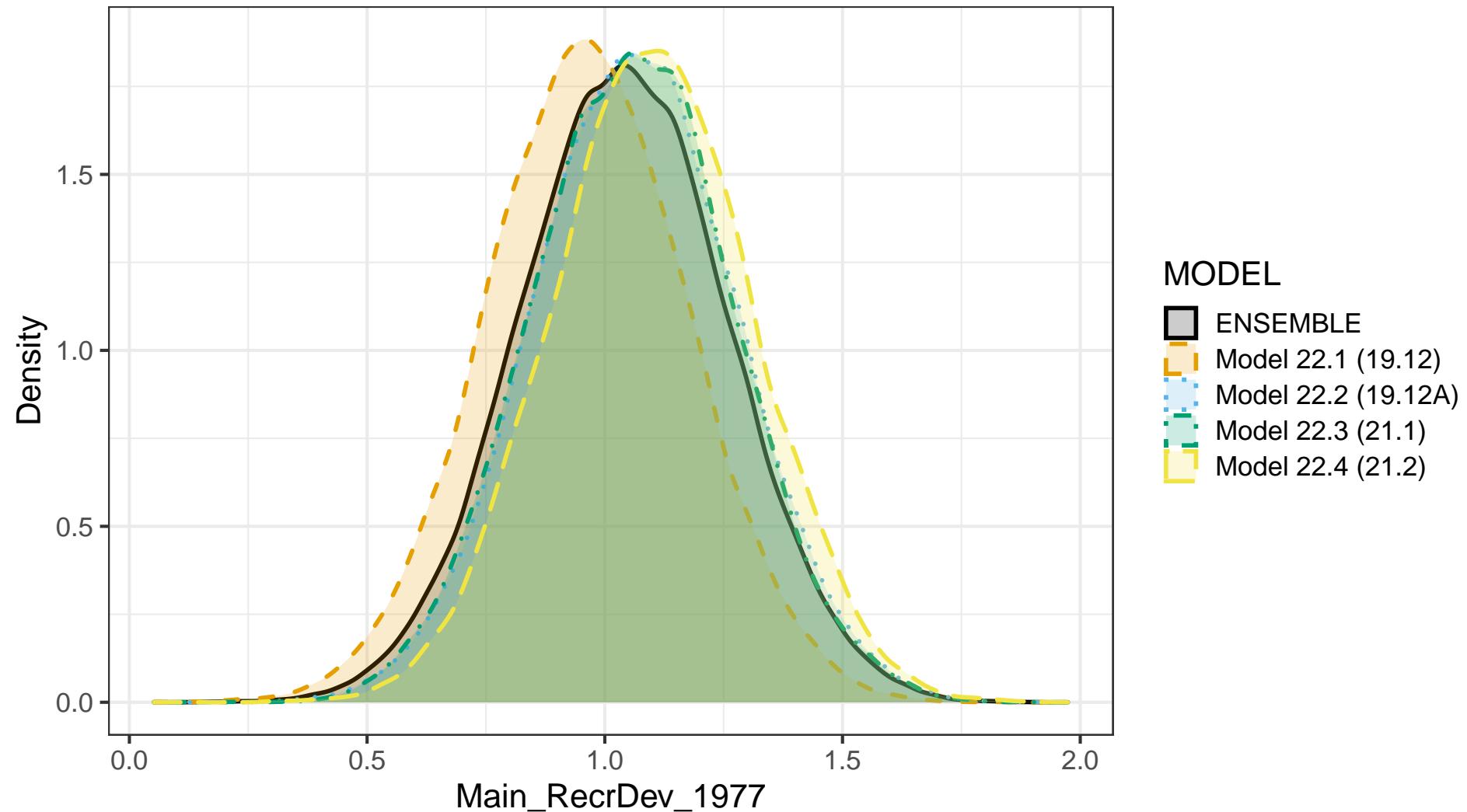
Early_InitAge_2



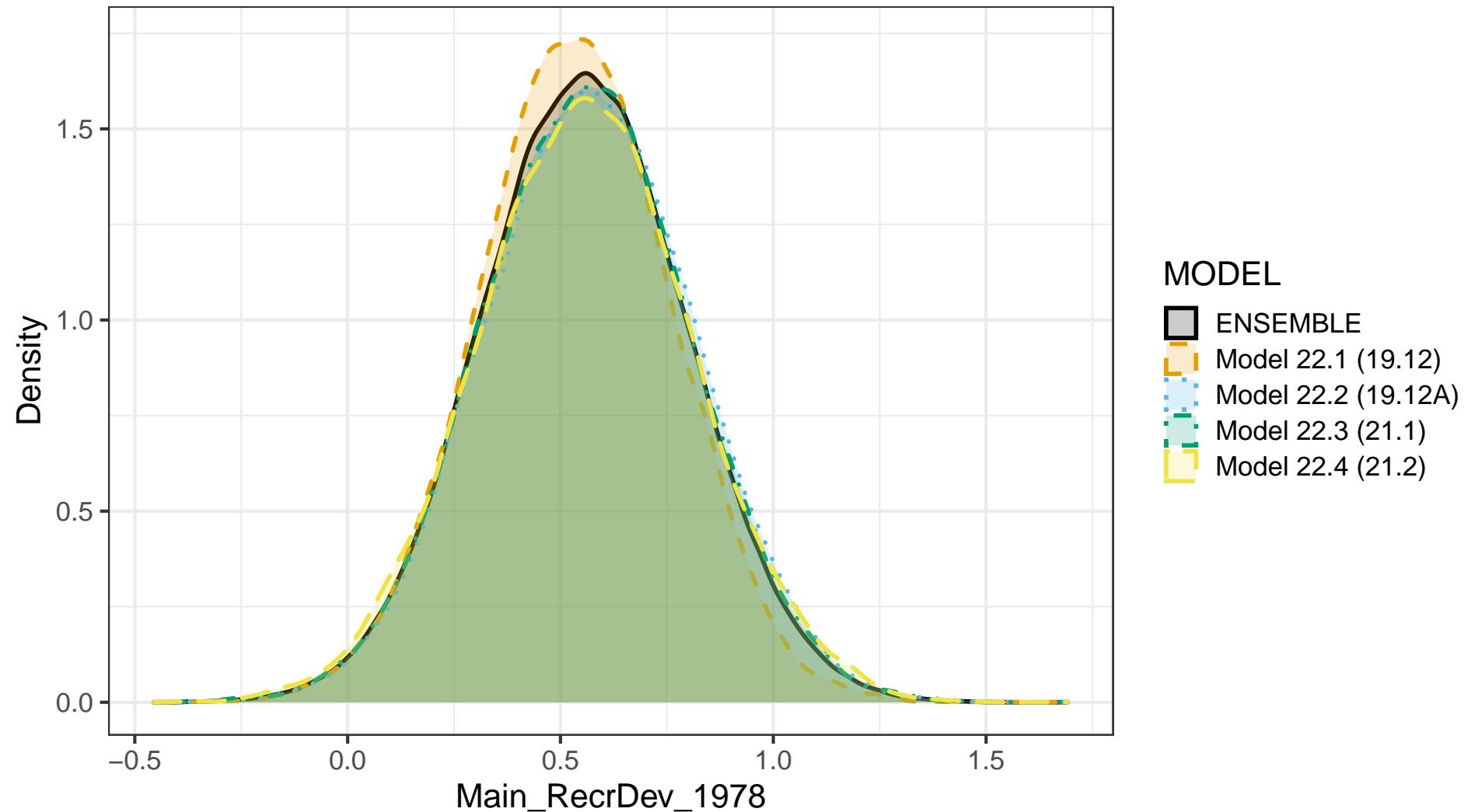
Early_InitAge_1



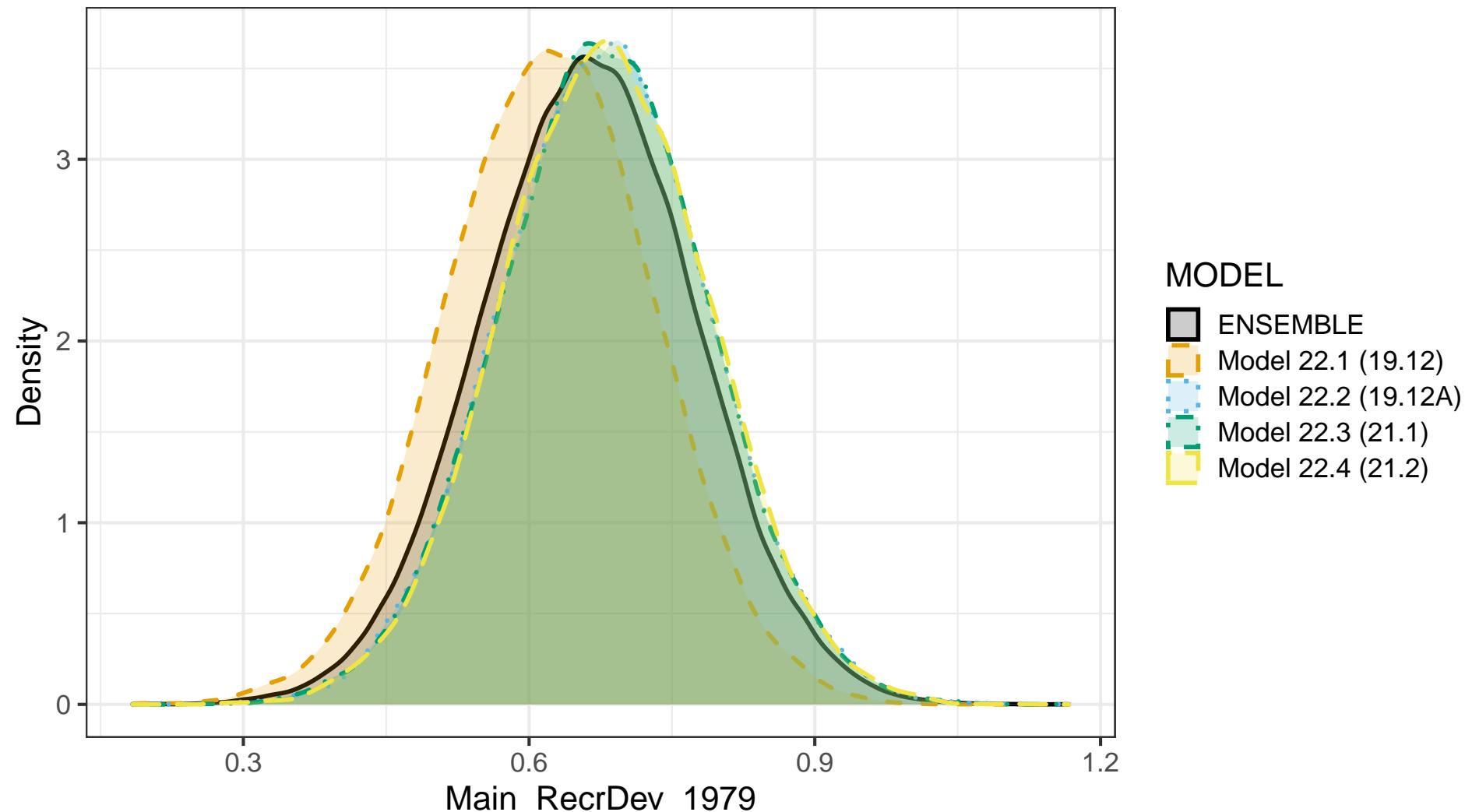
Main_RecrDev_1977



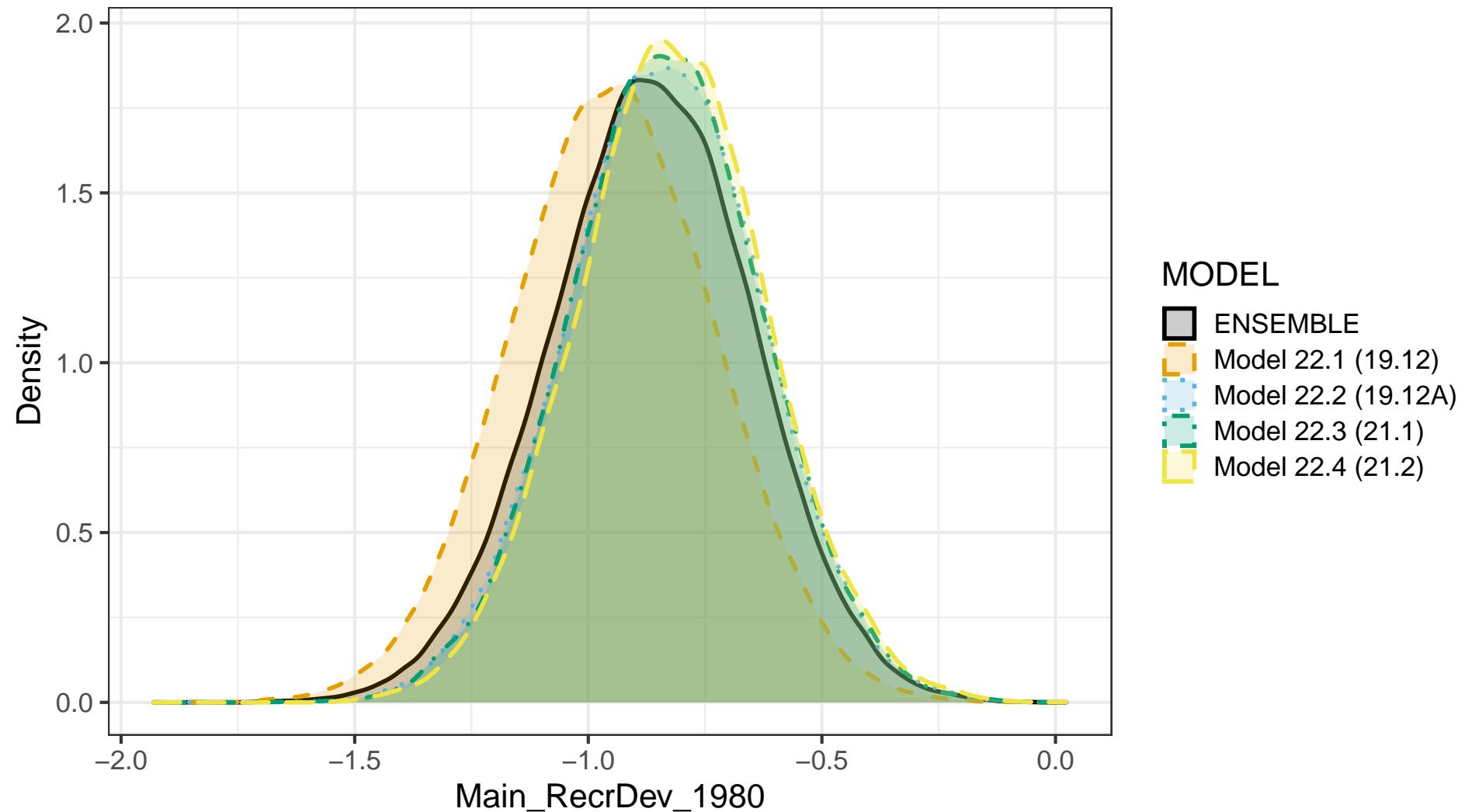
Main_RecrDev_1978



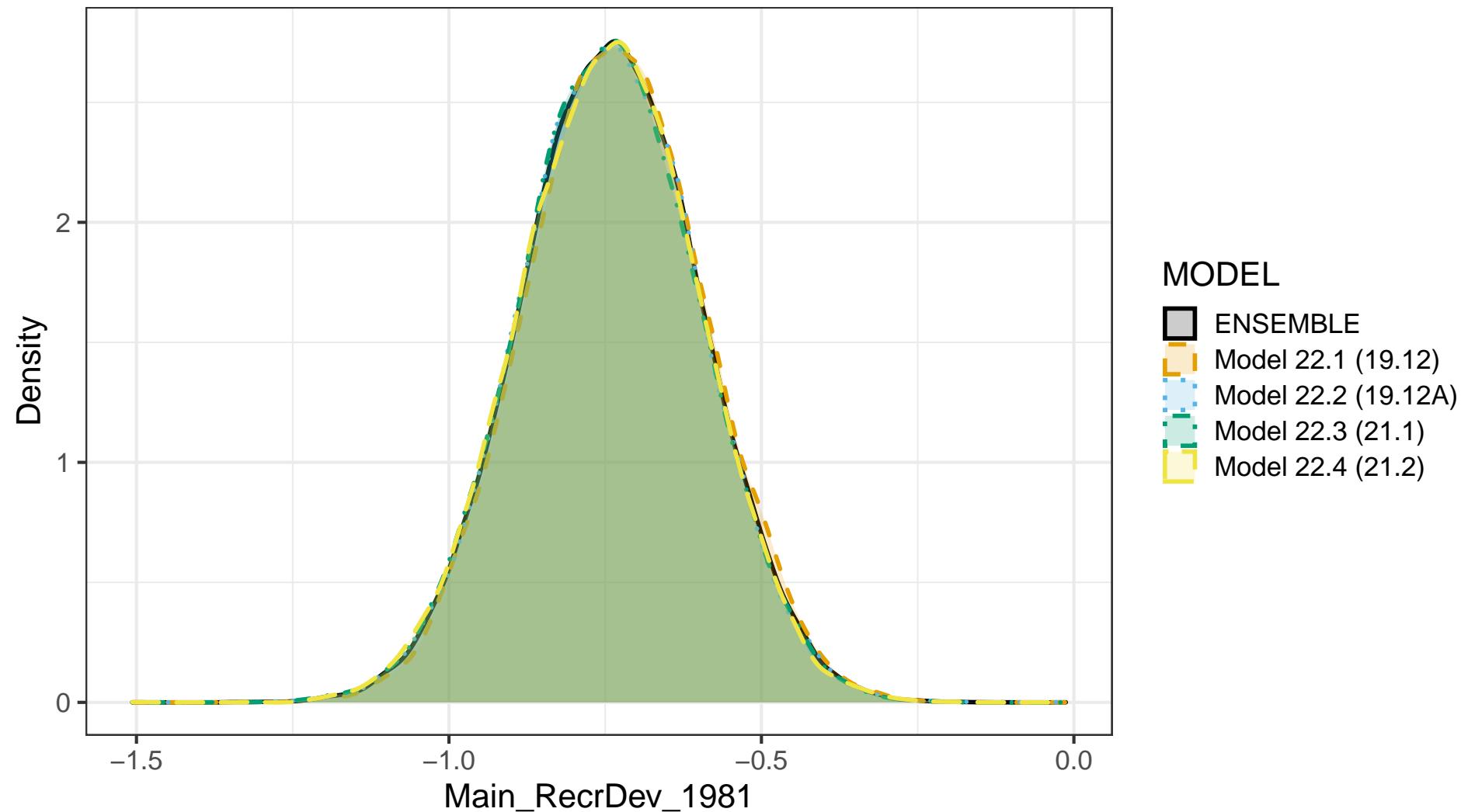
Main_RecrDev_1979



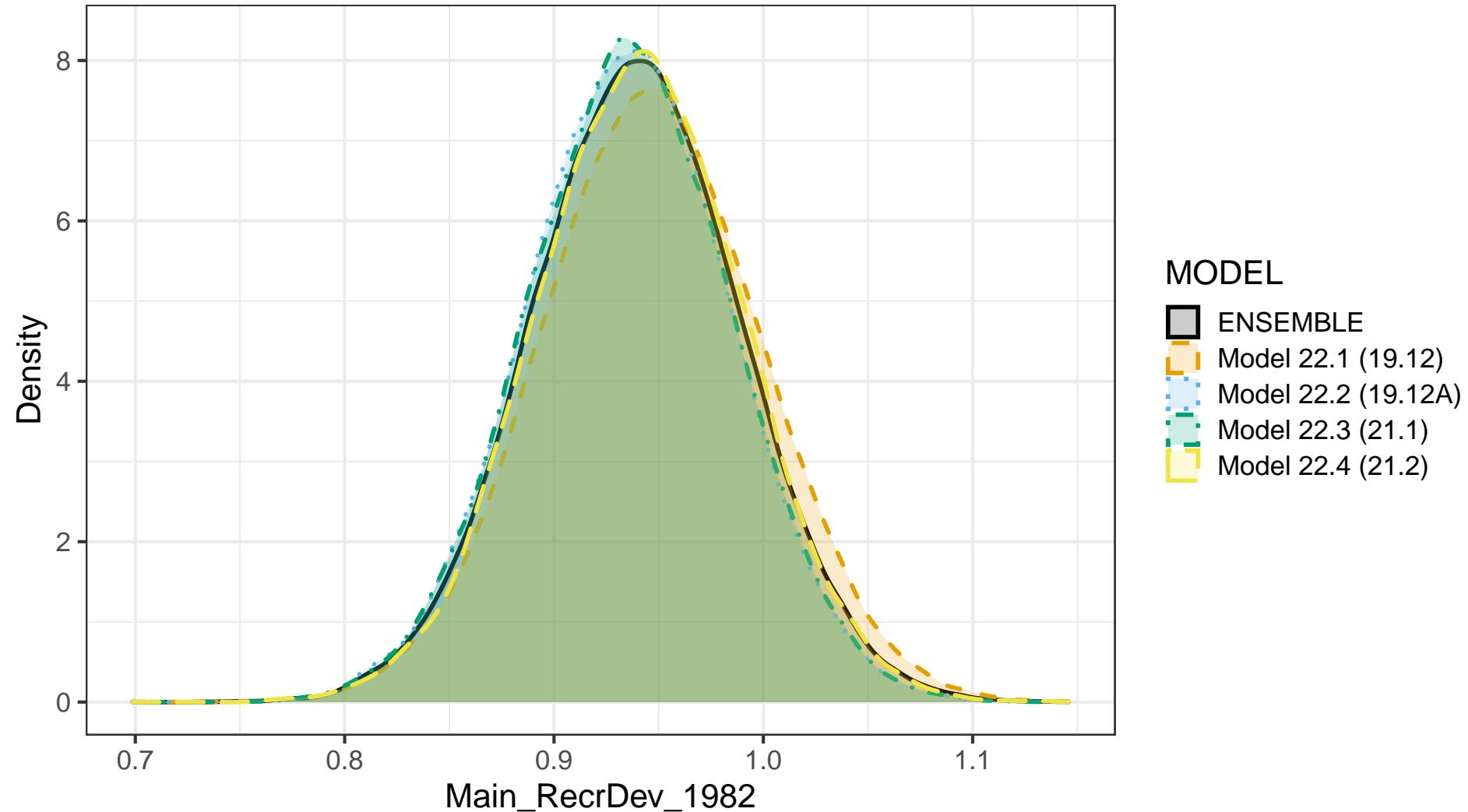
Main_RecrDev_1980



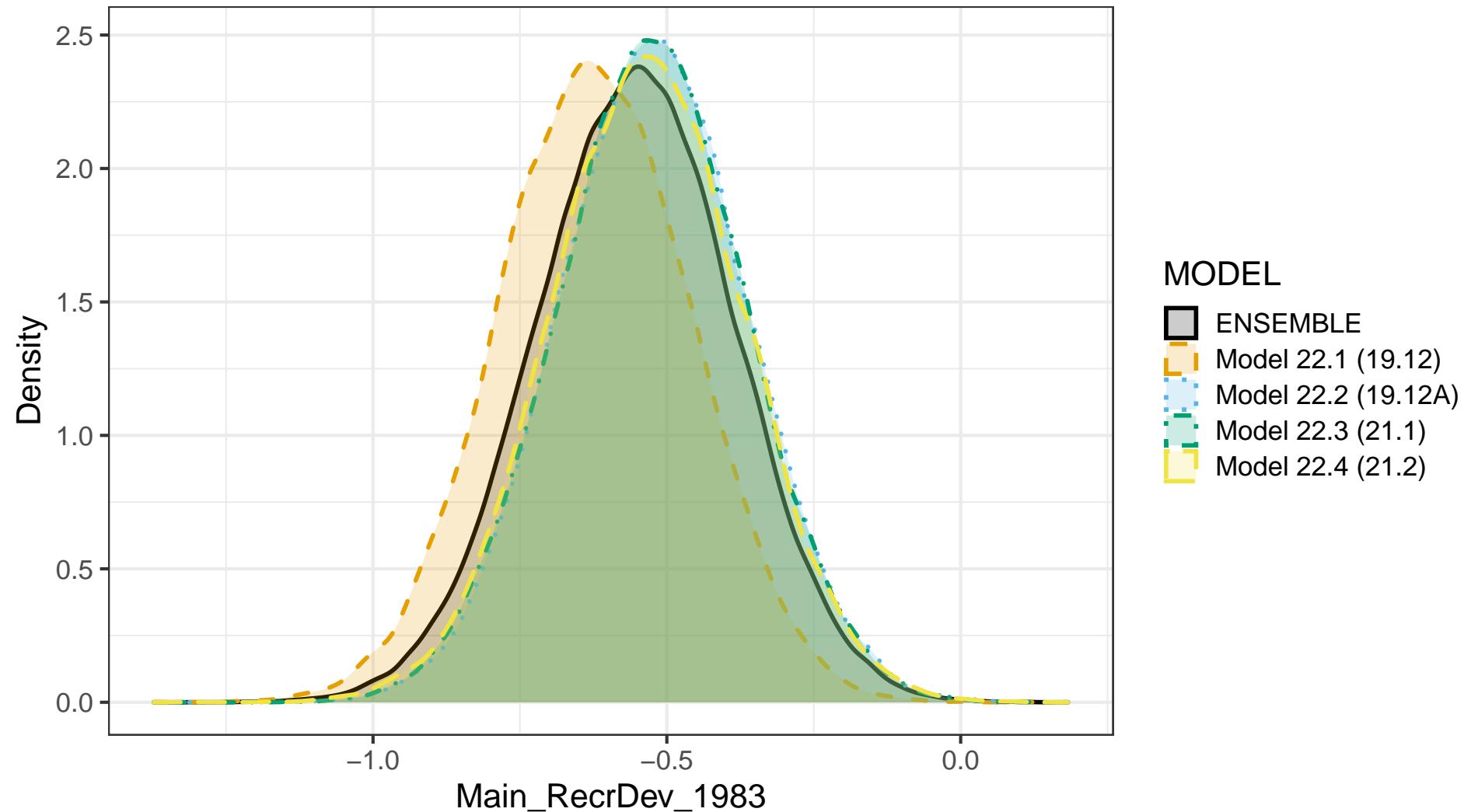
Main_RecrDev_1981



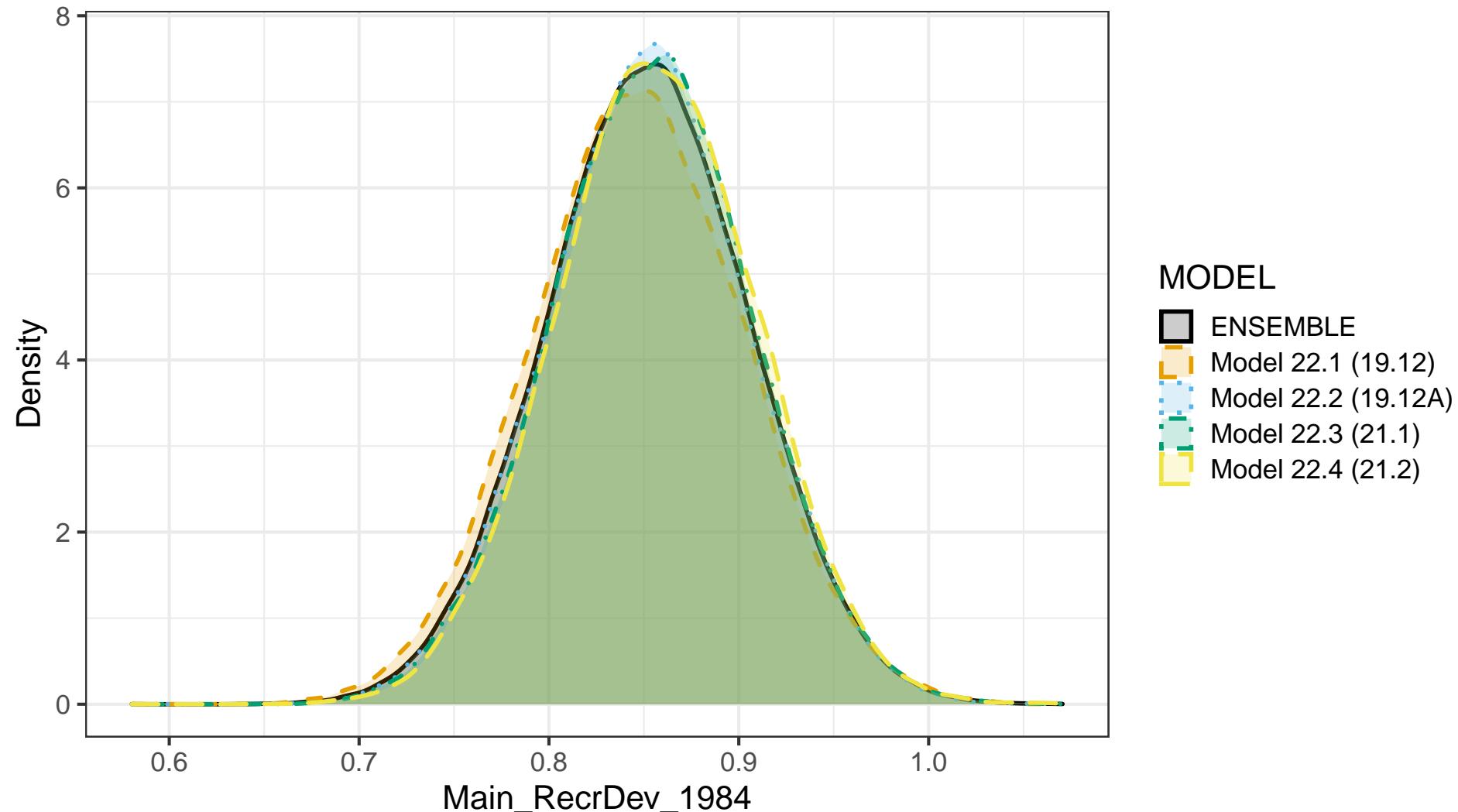
Main_RecrDev_1982



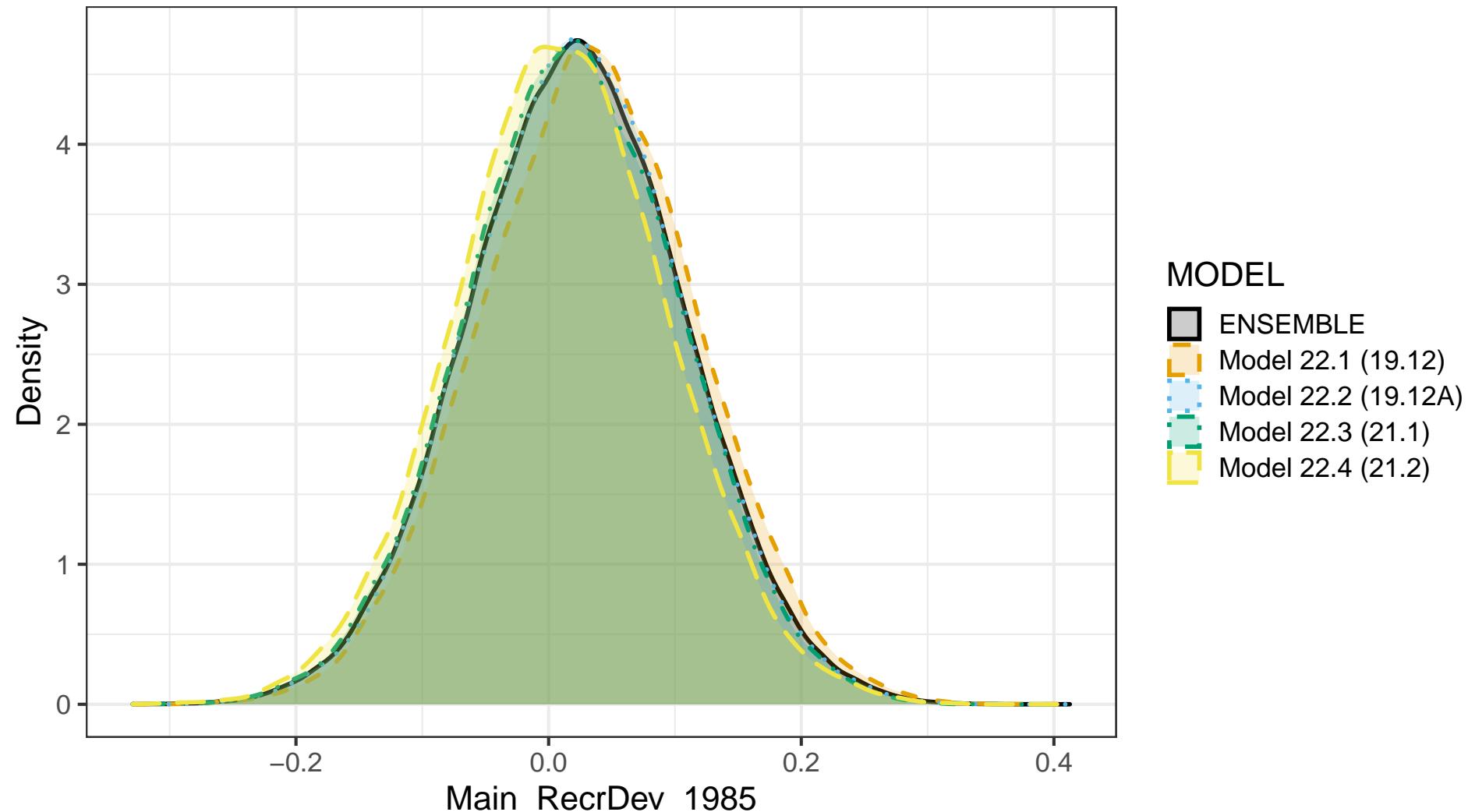
Main_RecrDev_1983



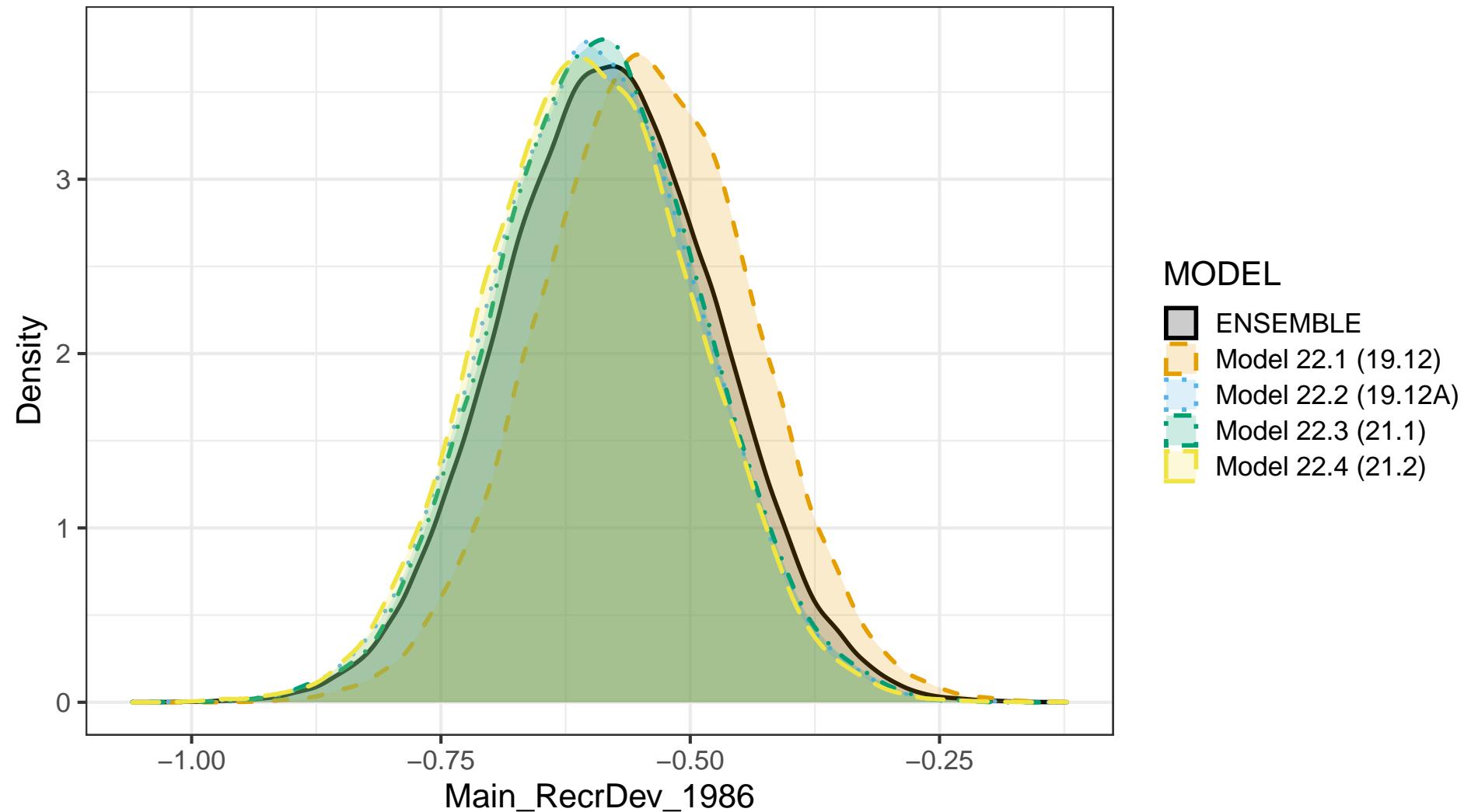
Main_RecrDev_1984



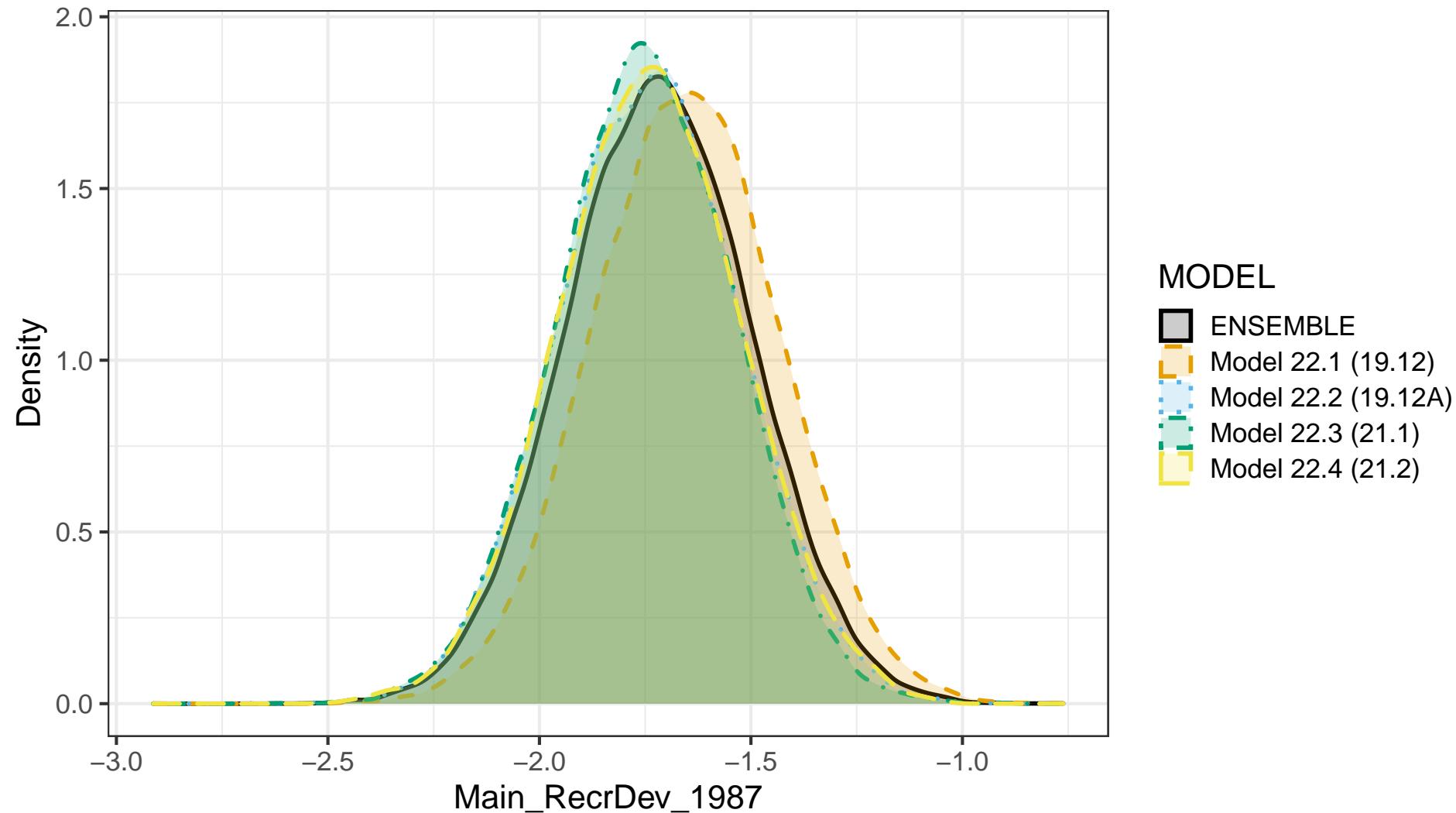
Main_RecrDev_1985



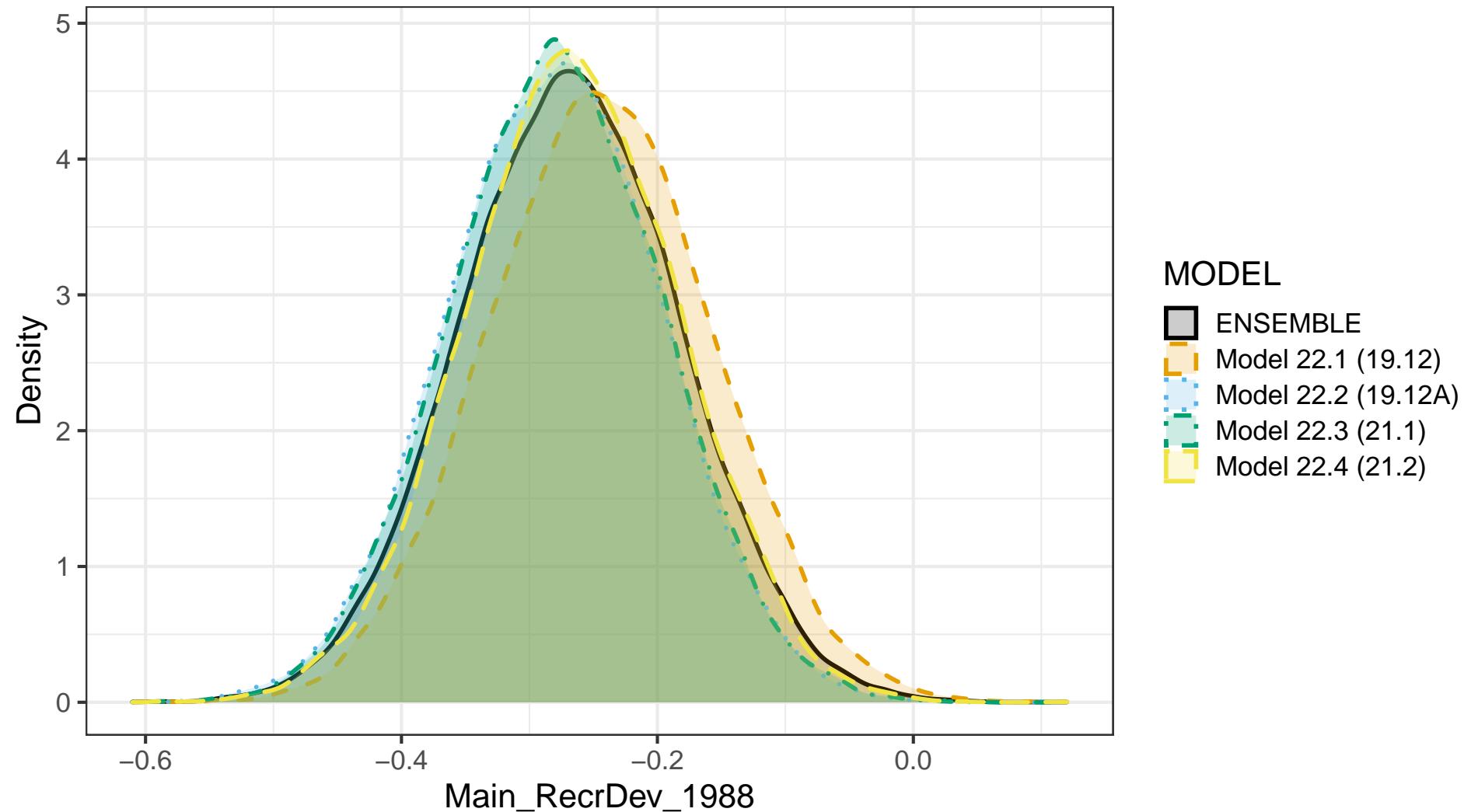
Main_RecrDev_1986



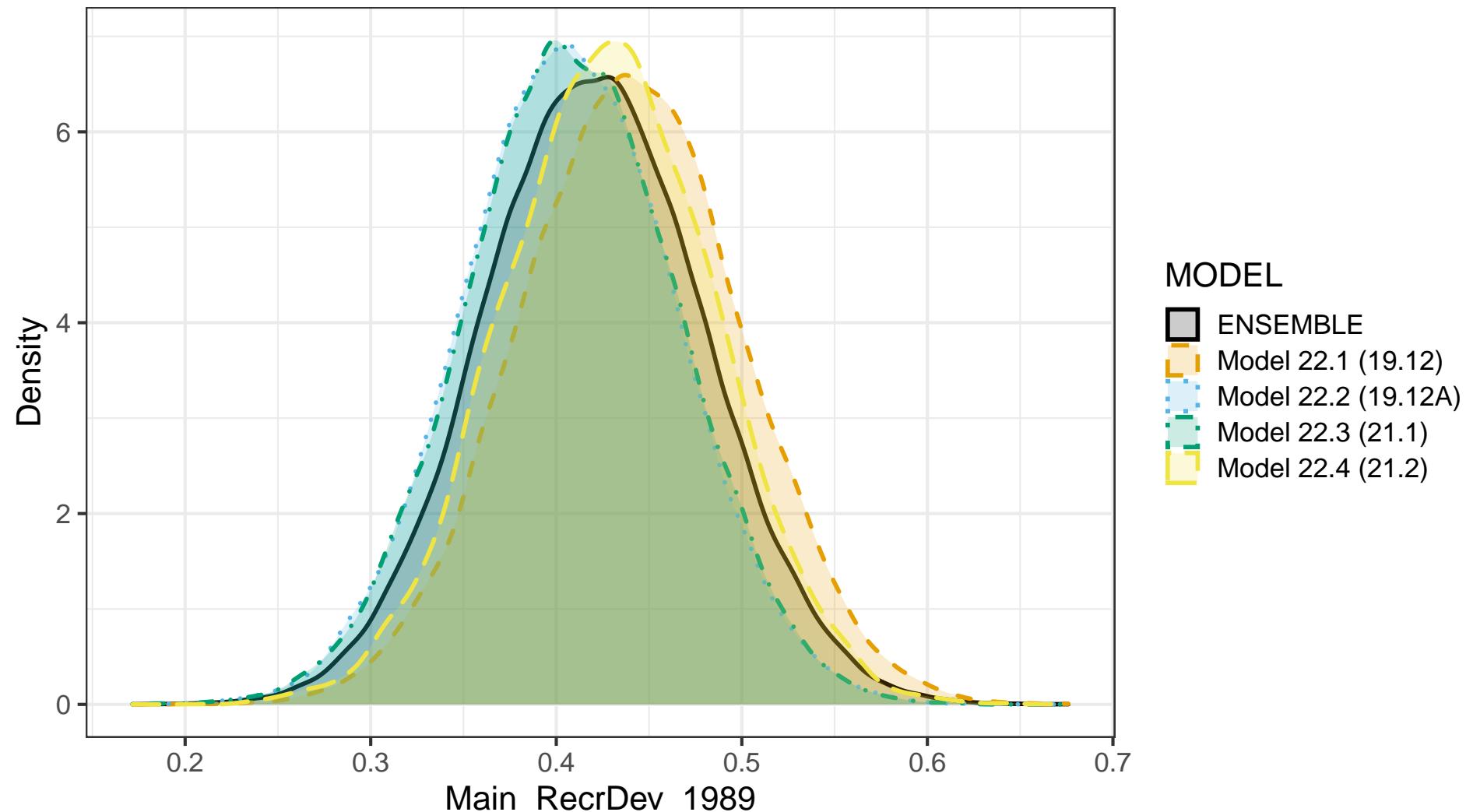
Main_RecrDev_1987



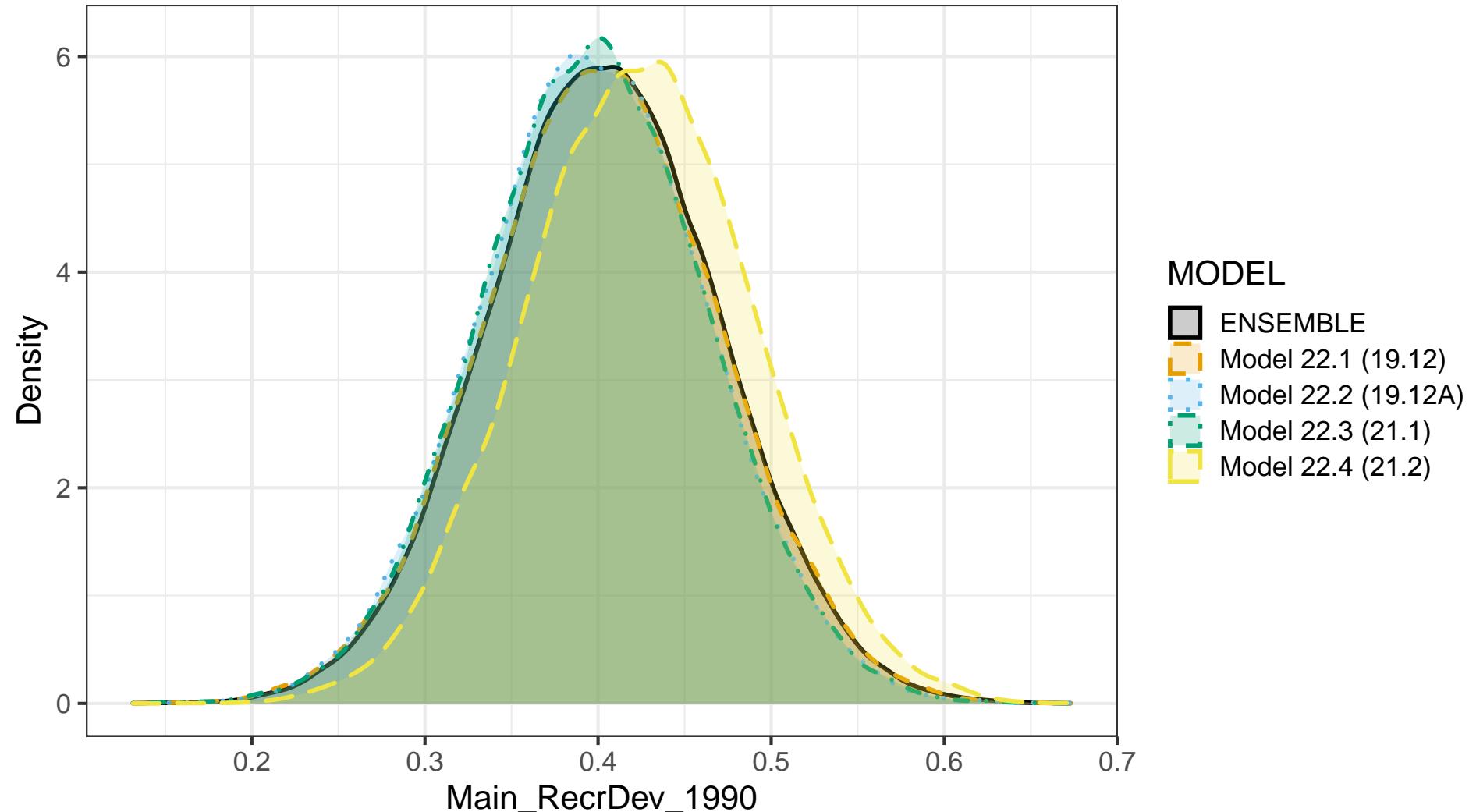
Main_RecrDev_1988



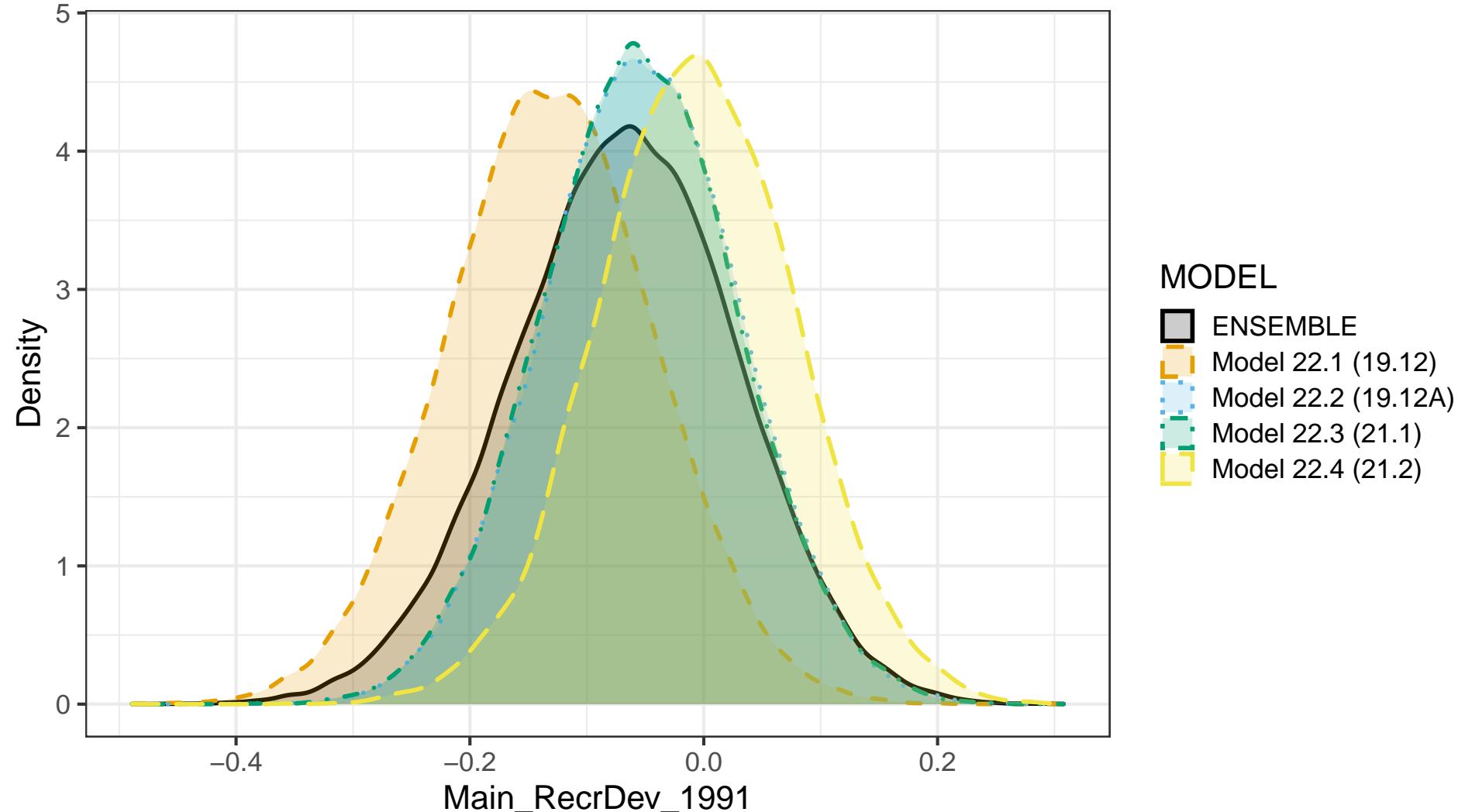
Main_RecrDev_1989



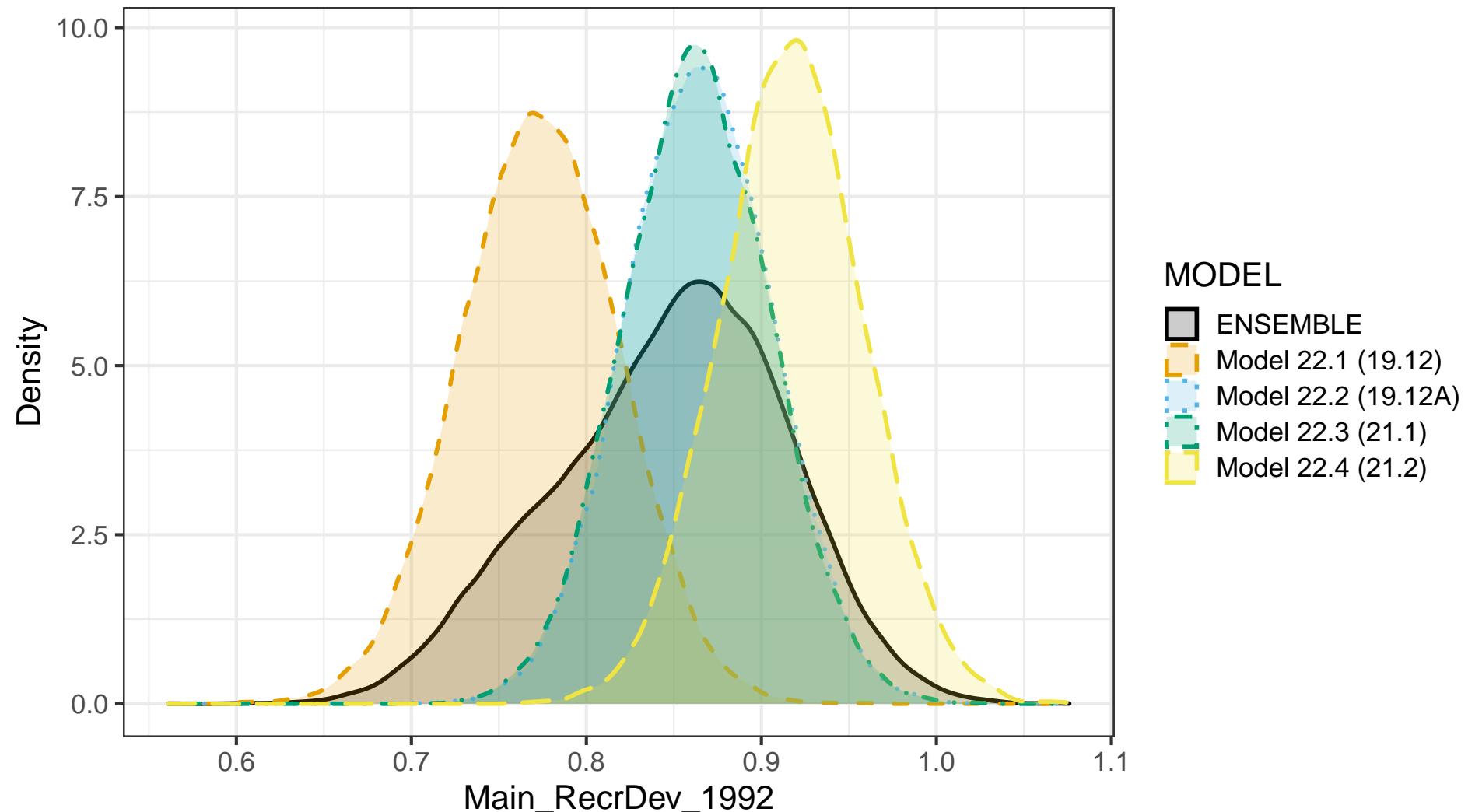
Main_RecrDev_1990



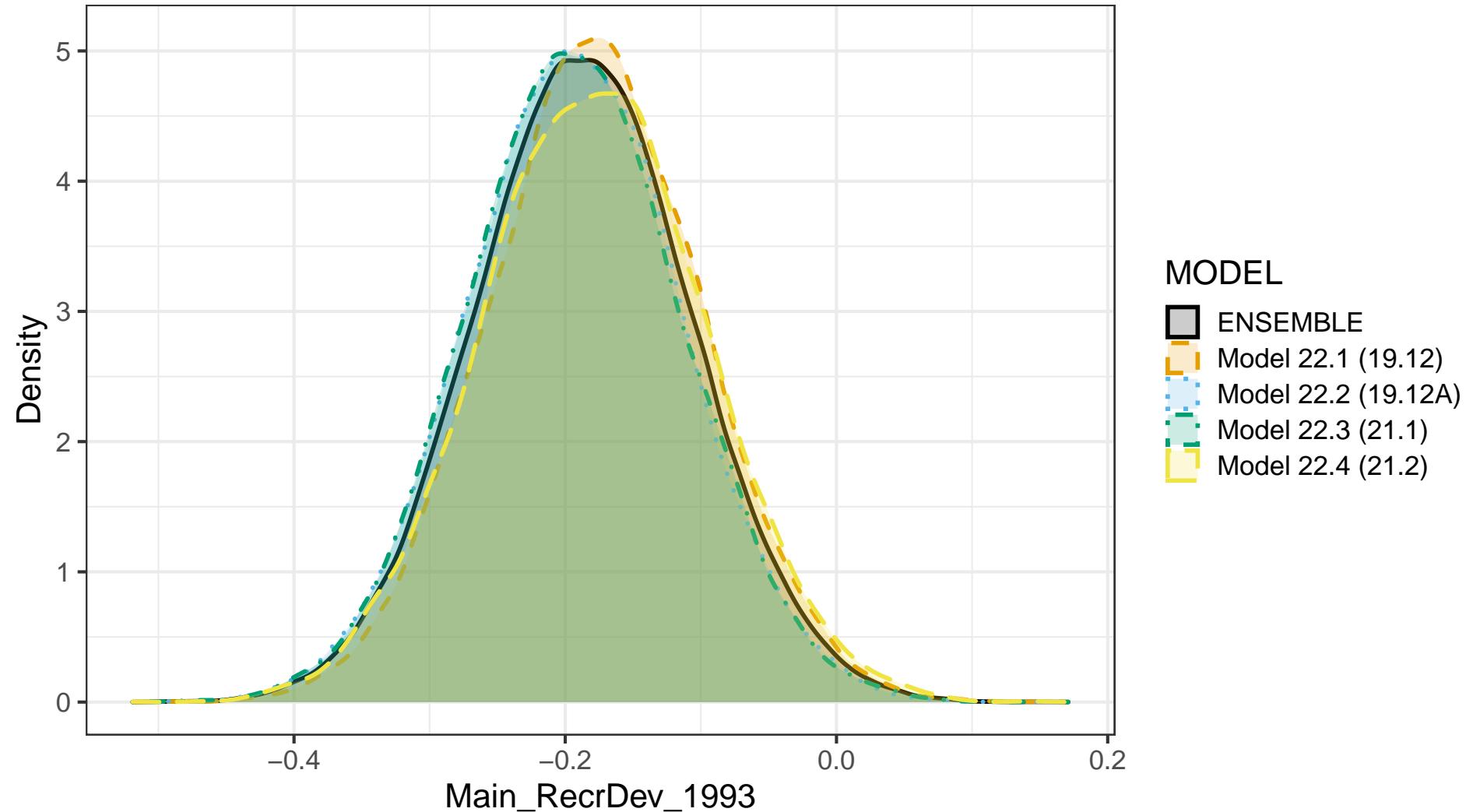
Main_RecrDev_1991



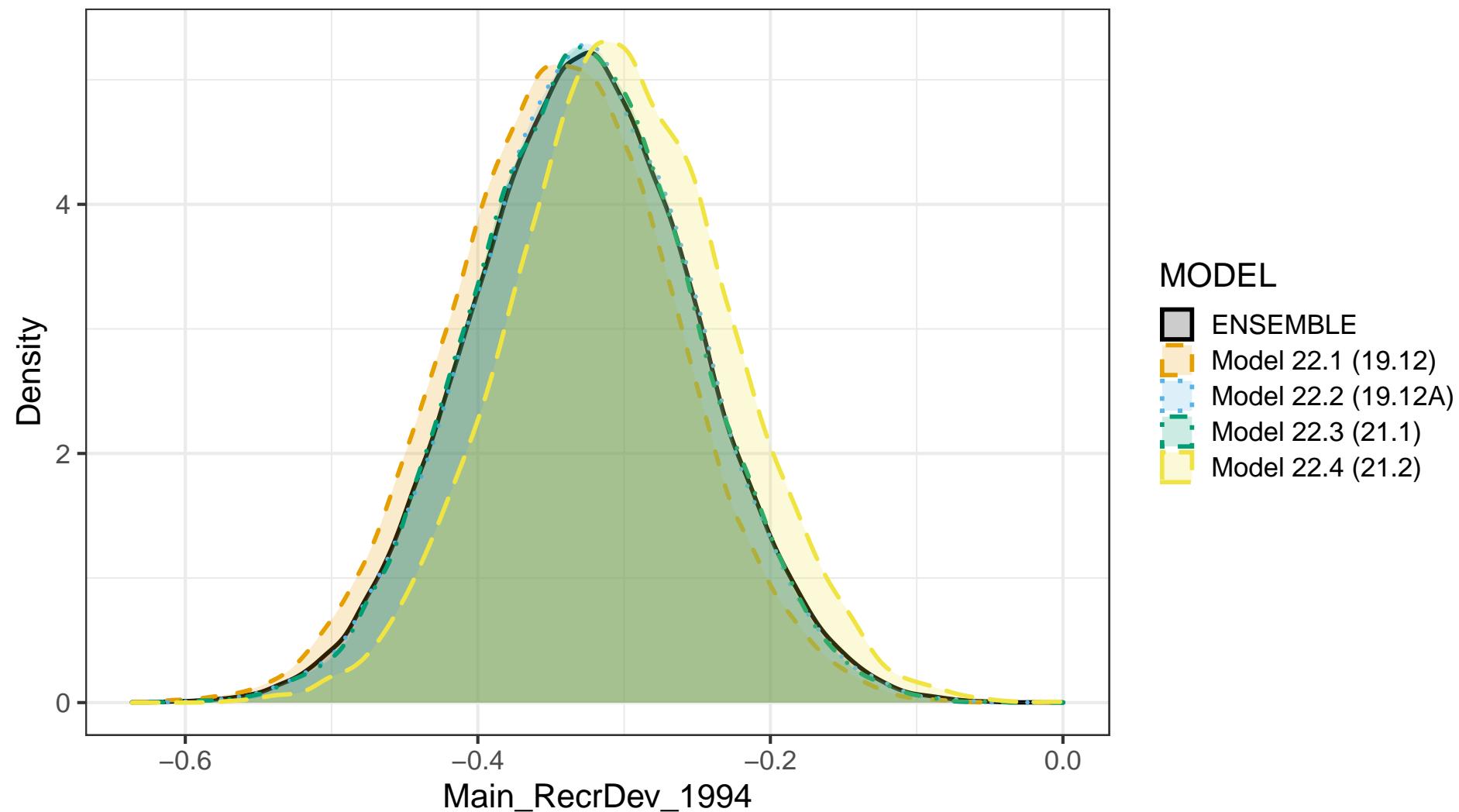
Main_RecrDev_1992



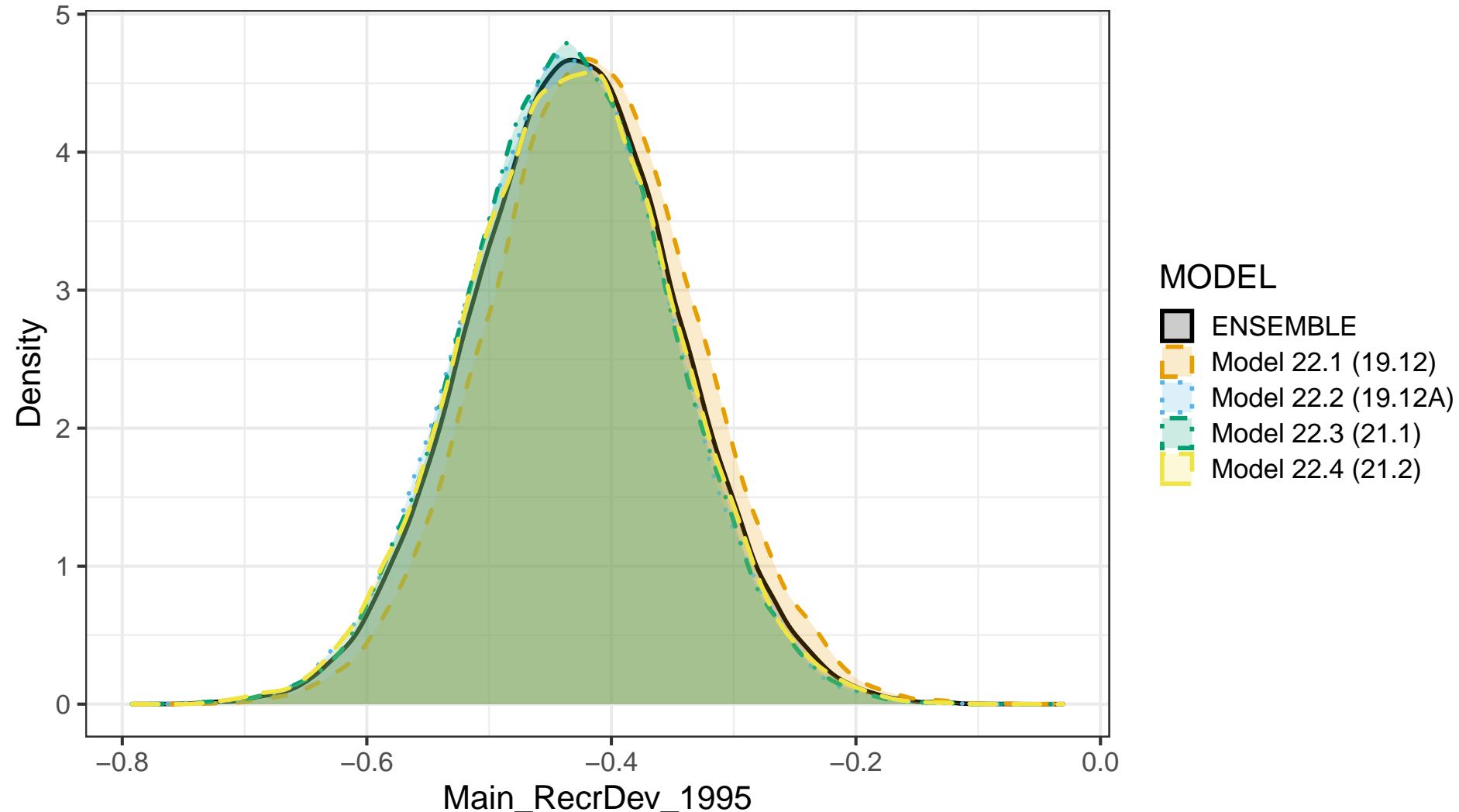
Main_RecrDev_1993



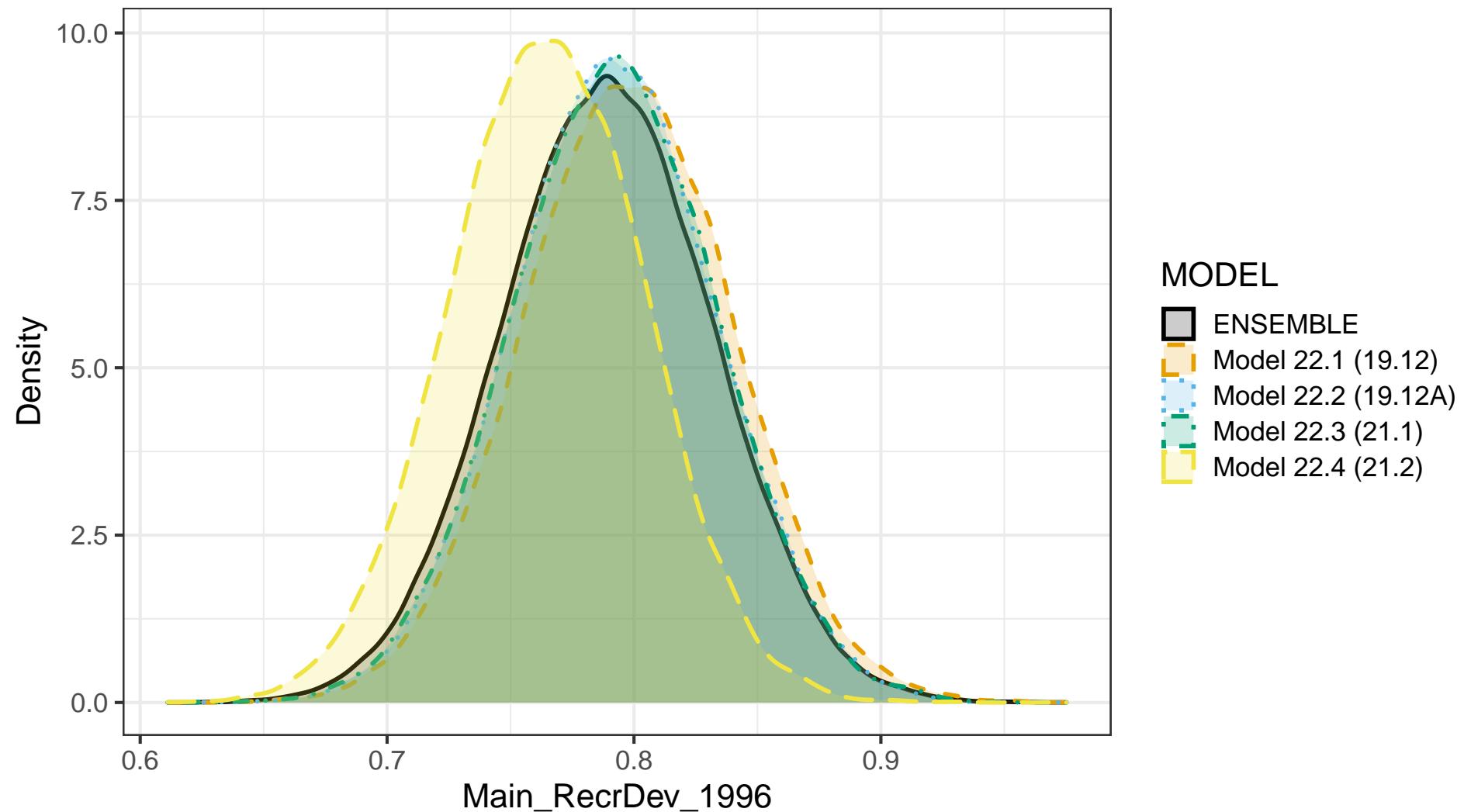
Main_RecrDev_1994



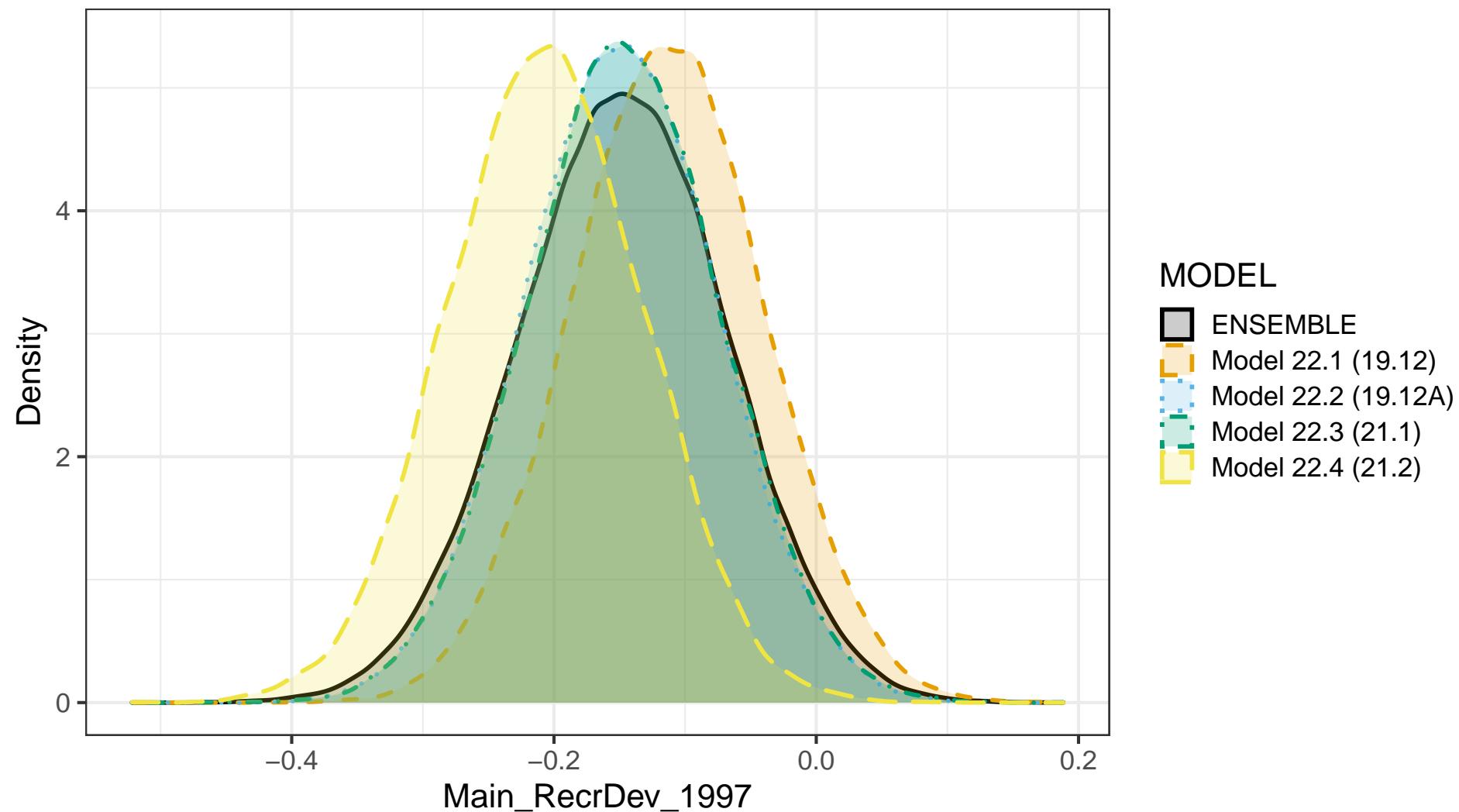
Main_RecrDev_1995



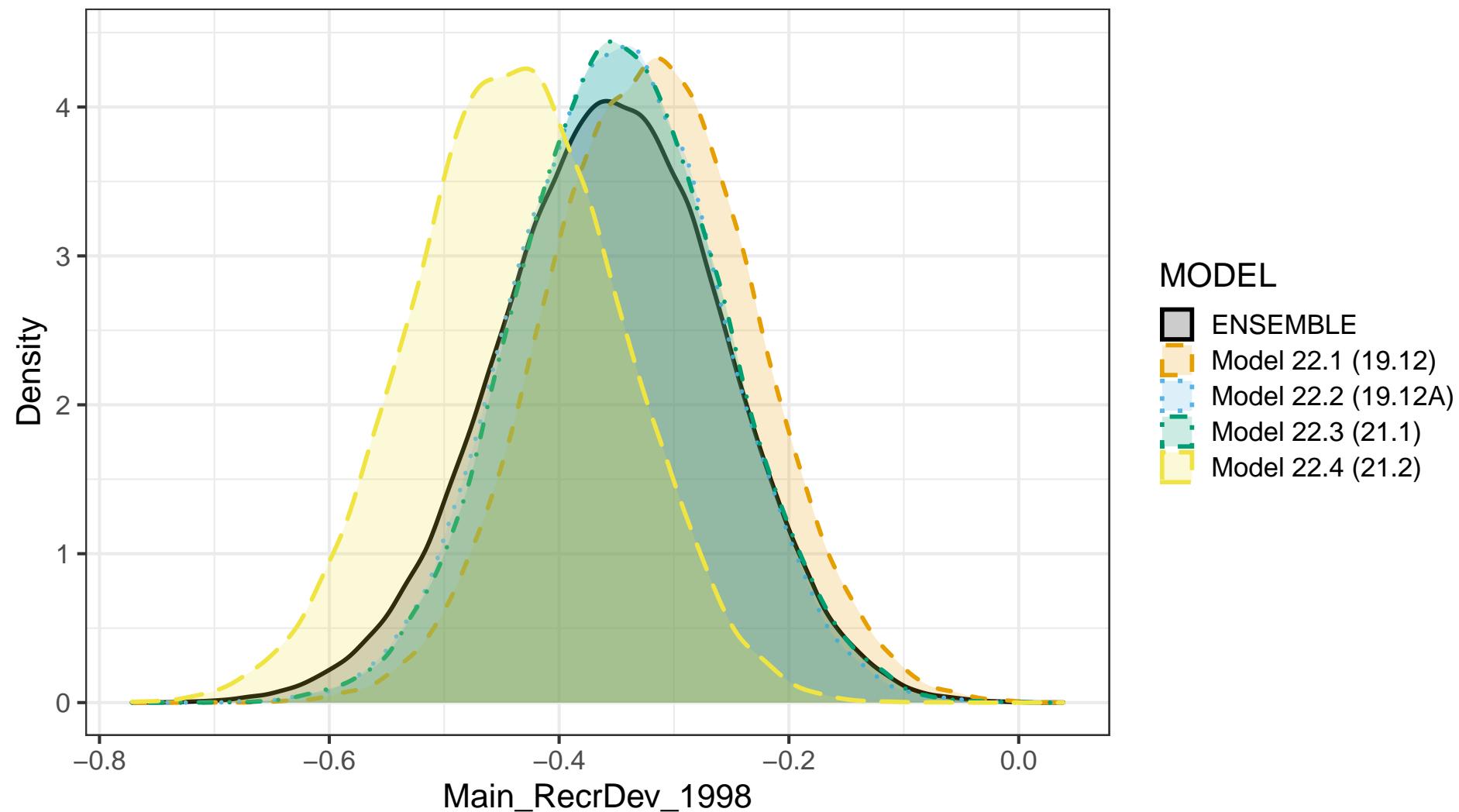
Main_RecrDev_1996



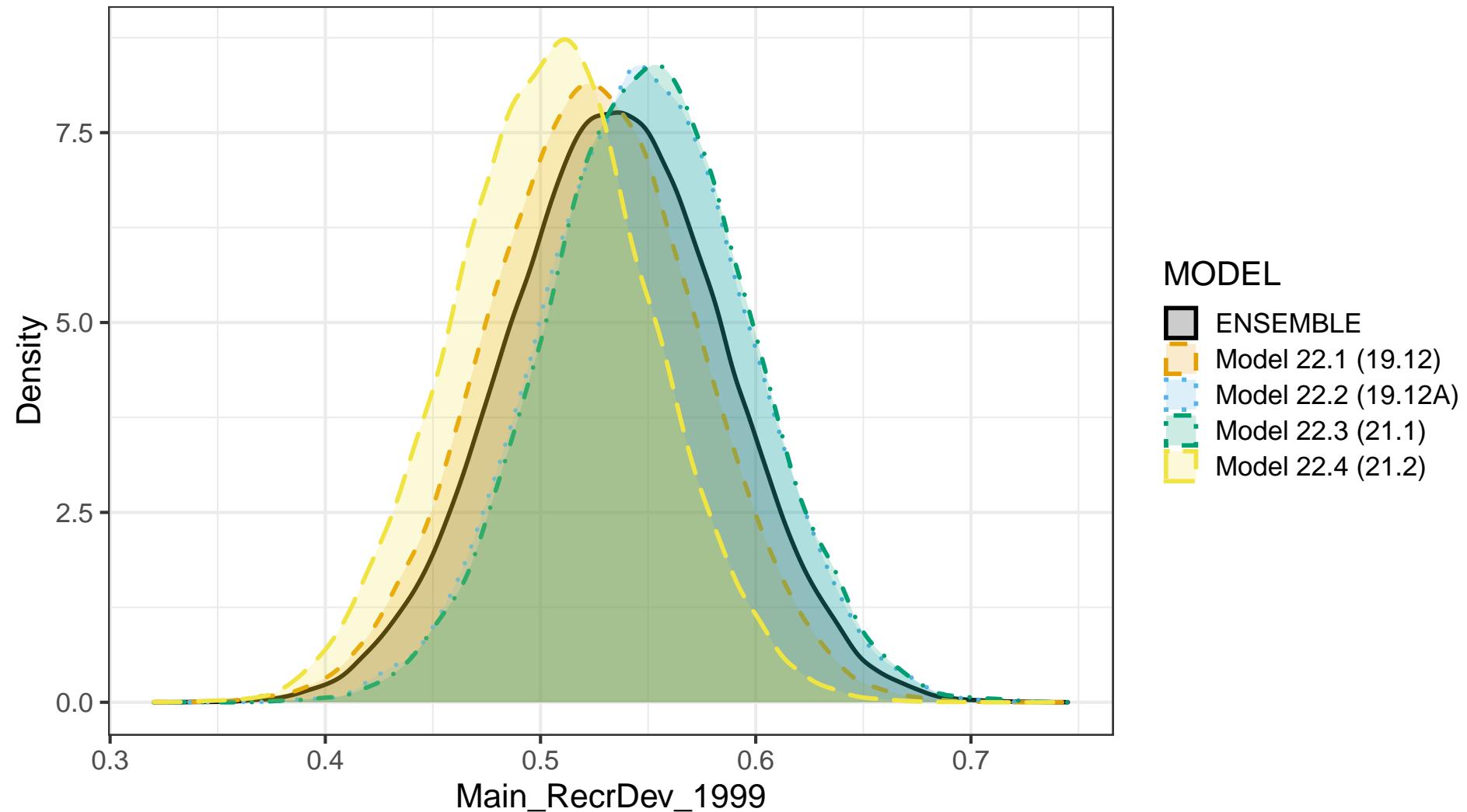
Main_RecrDev_1997



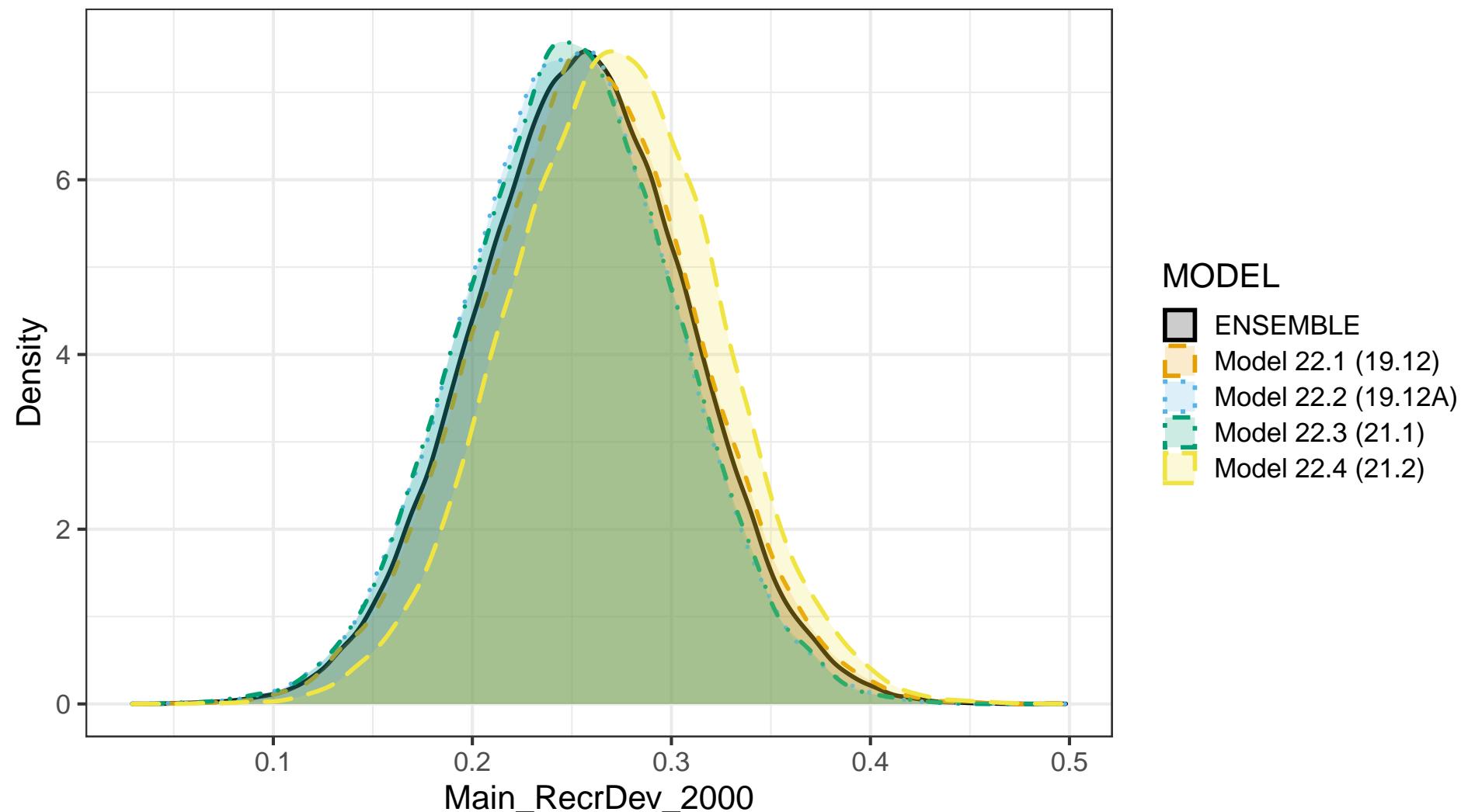
Main_RecrDev_1998



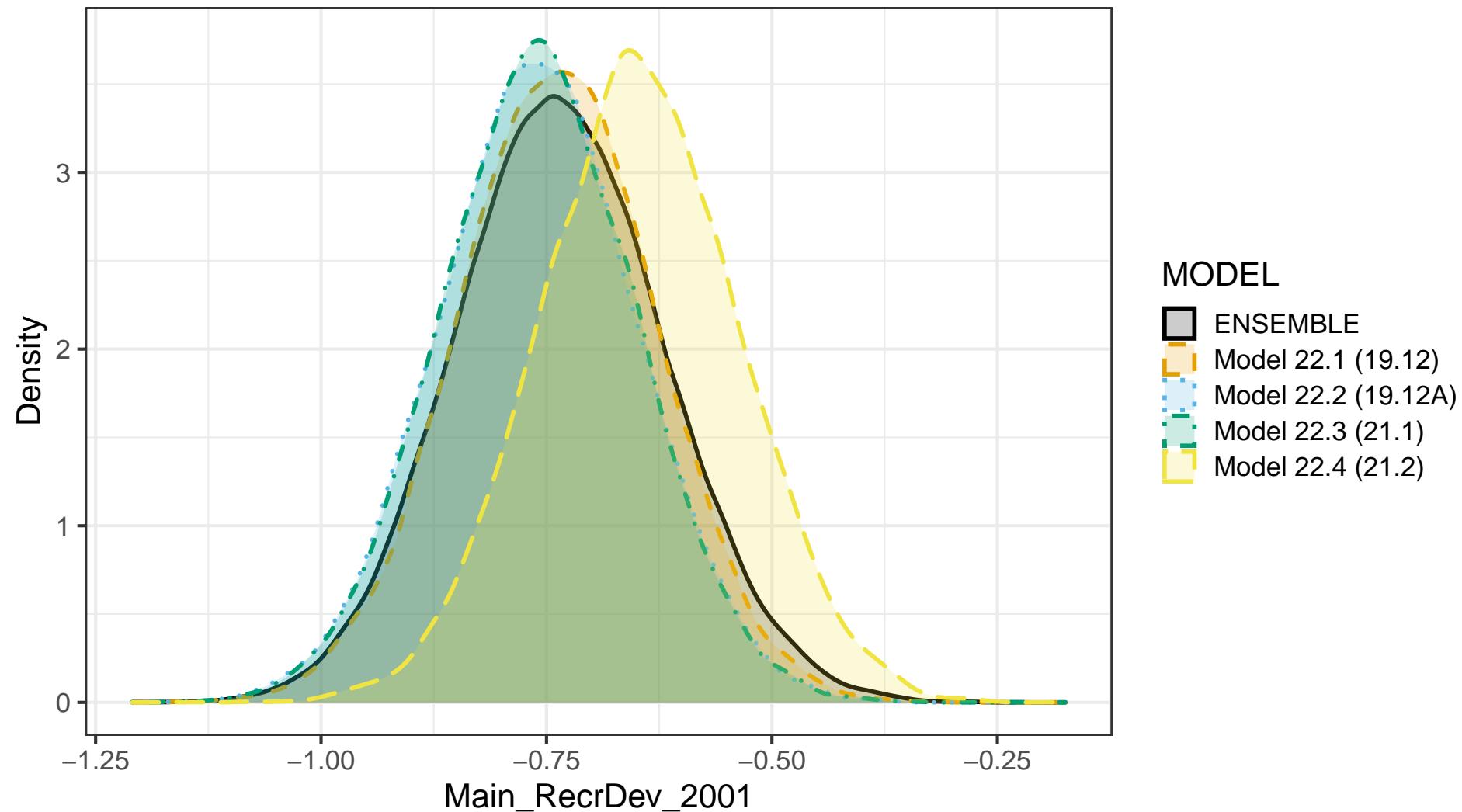
Main_RecrDev_1999



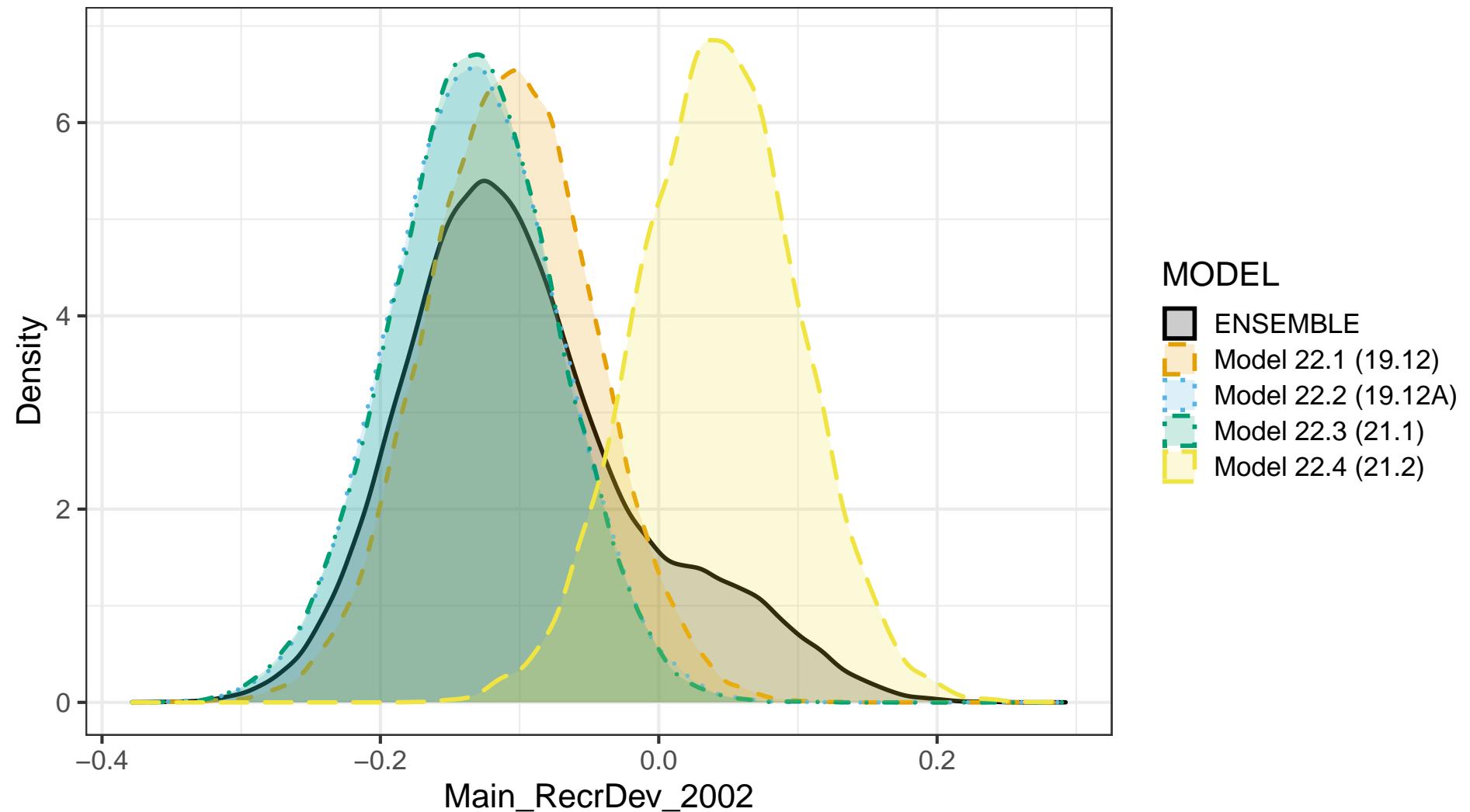
Main_RecrDev_2000



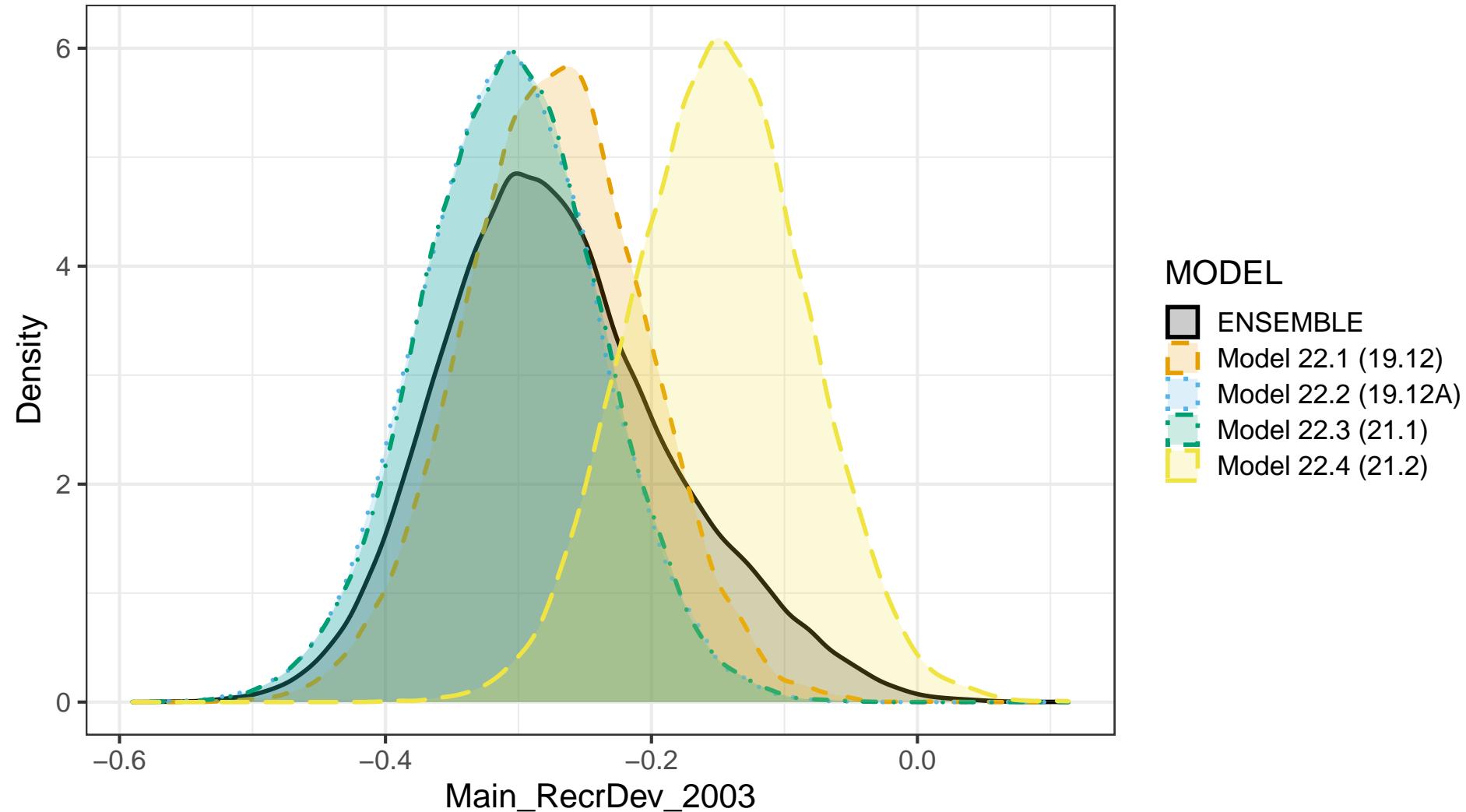
Main_RecrDev_2001



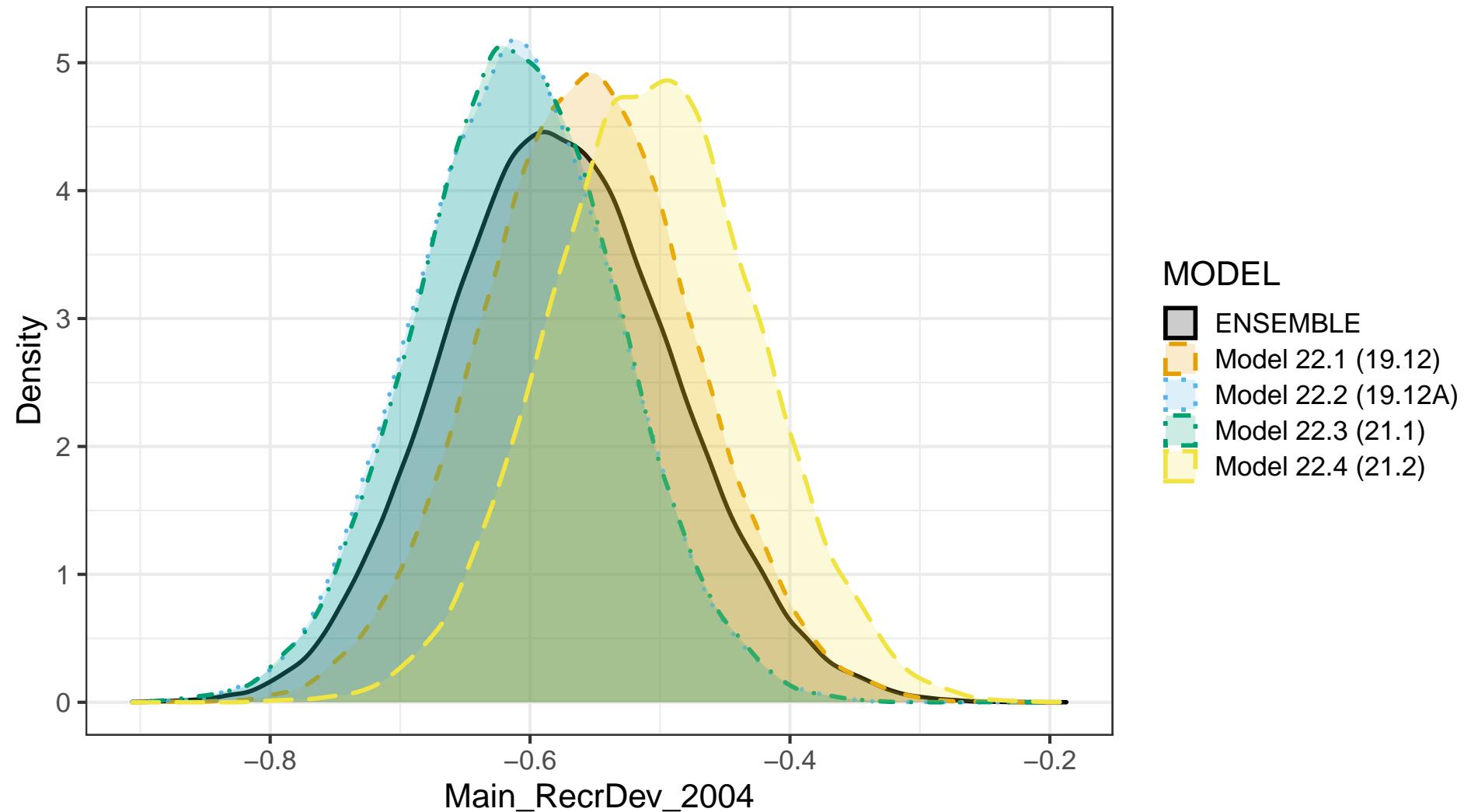
Main_RecrDev_2002



Main_RecrDev_2003



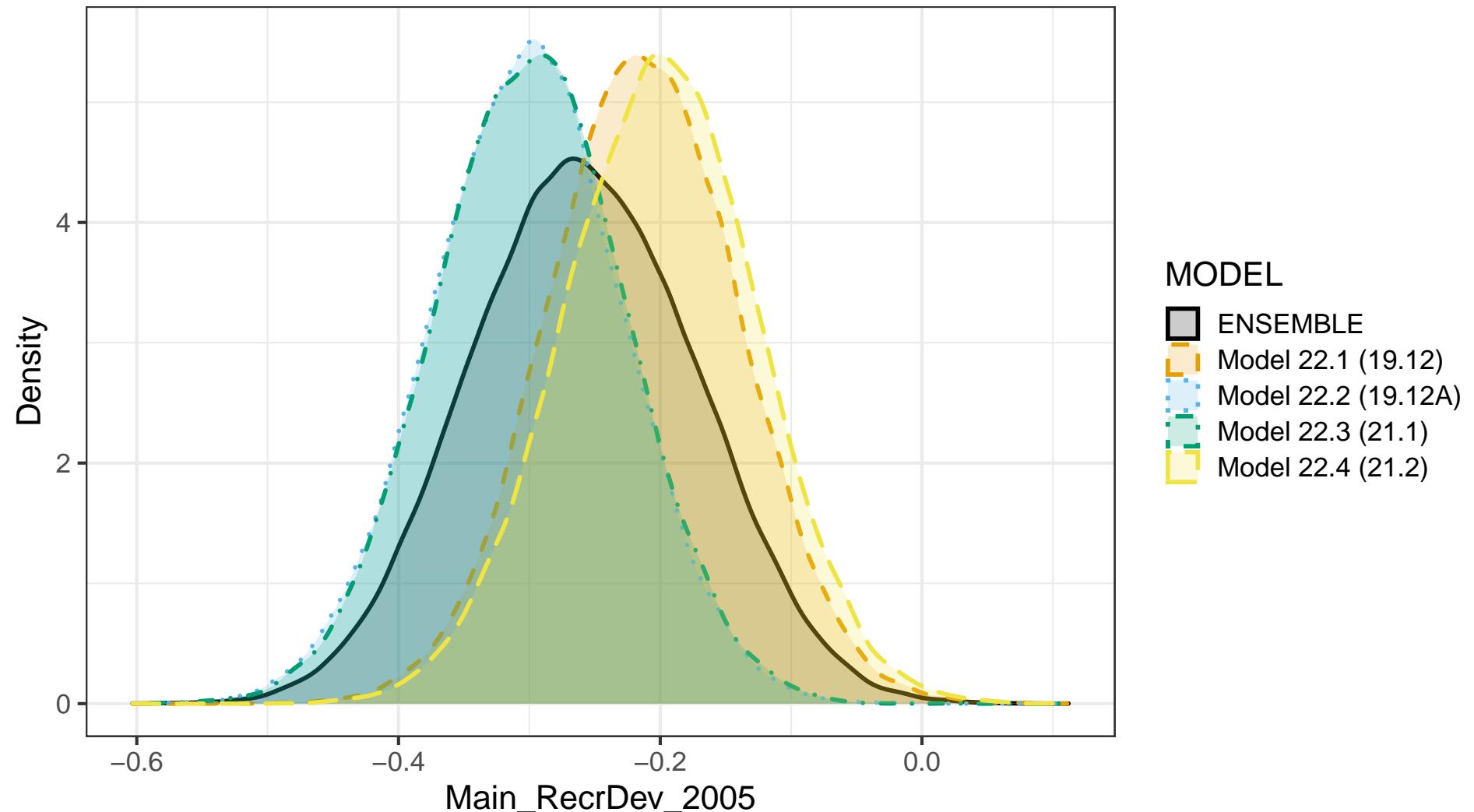
Main_RecrDev_2004



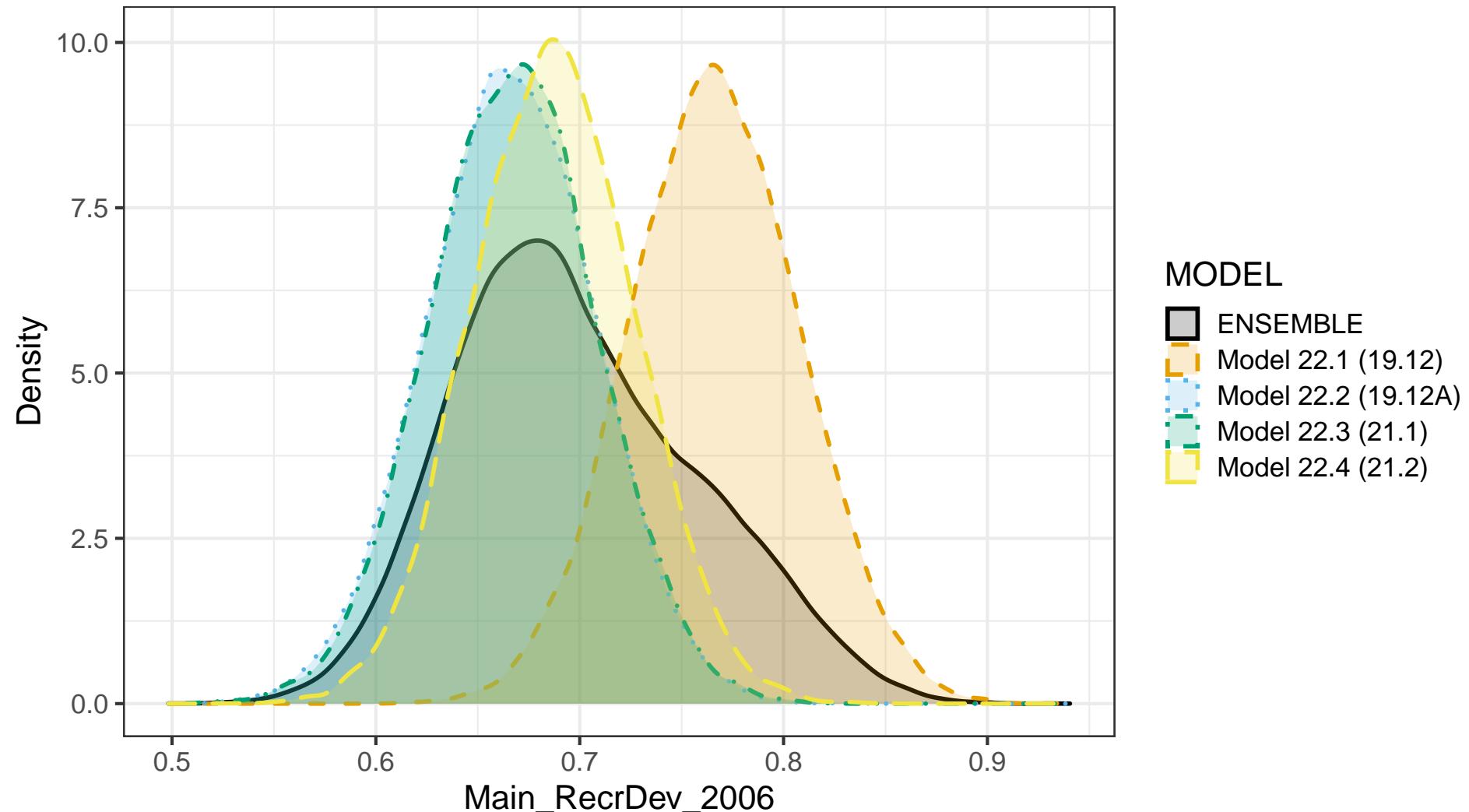
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

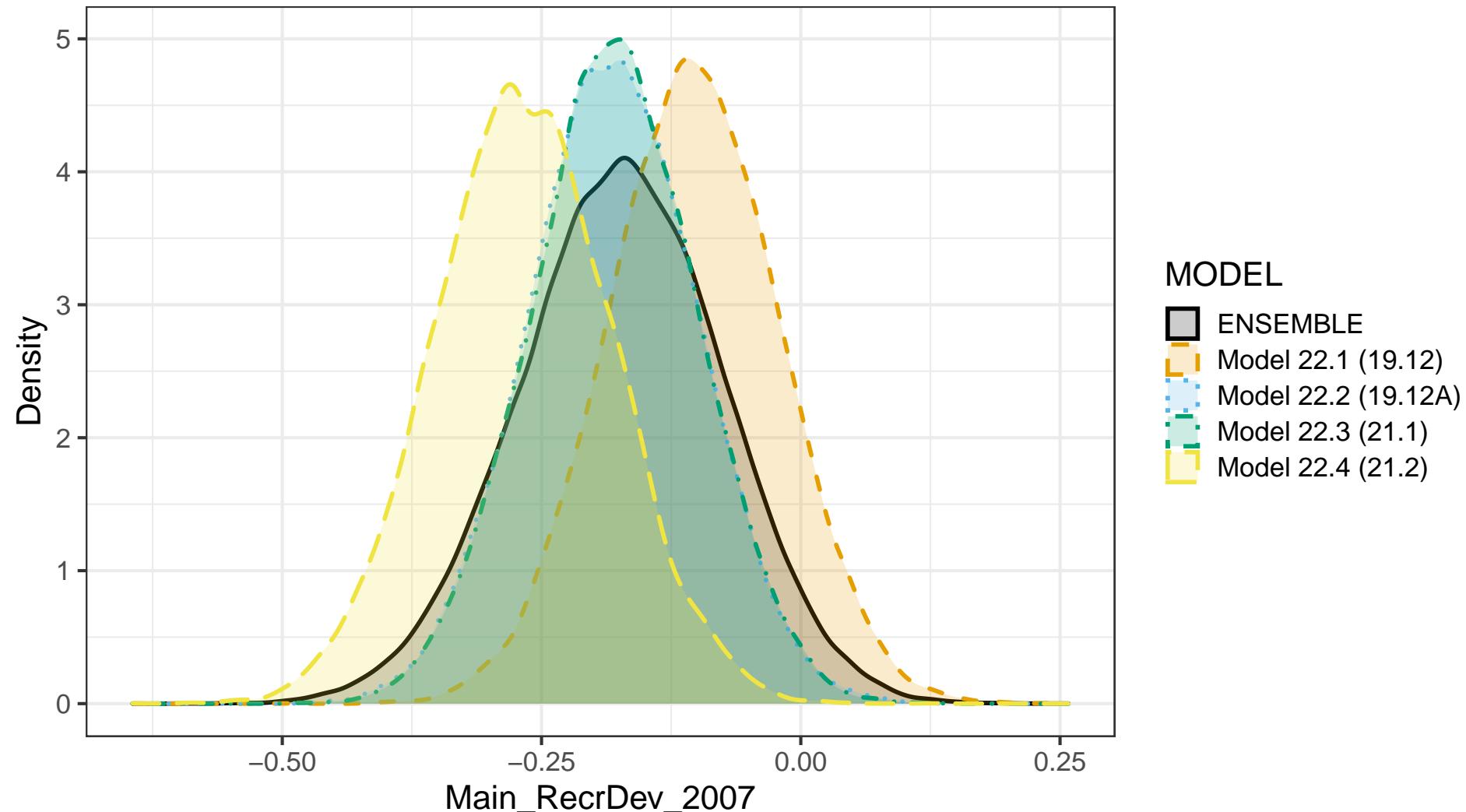
Main_RecrDev_2005



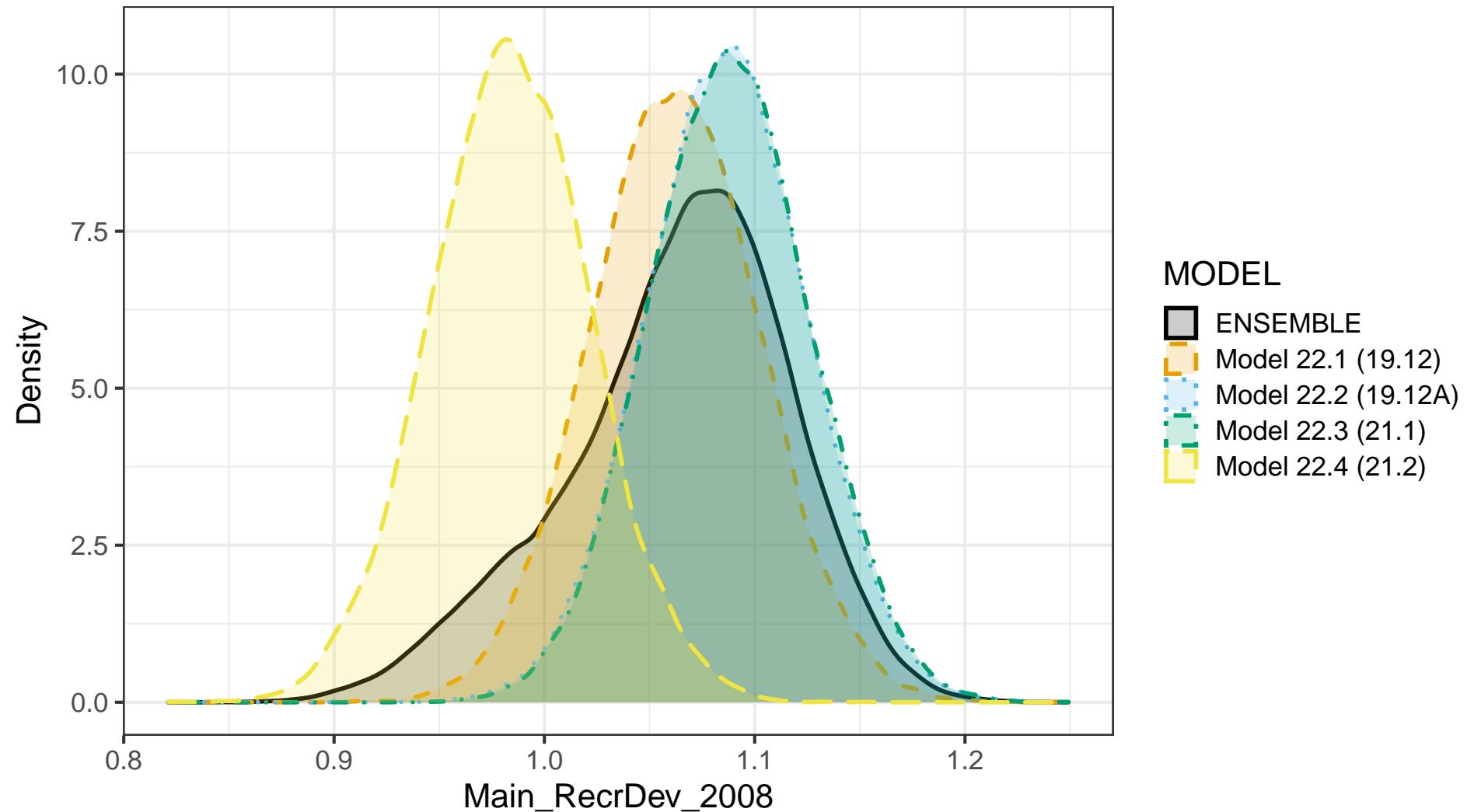
Main_RecrDev_2006



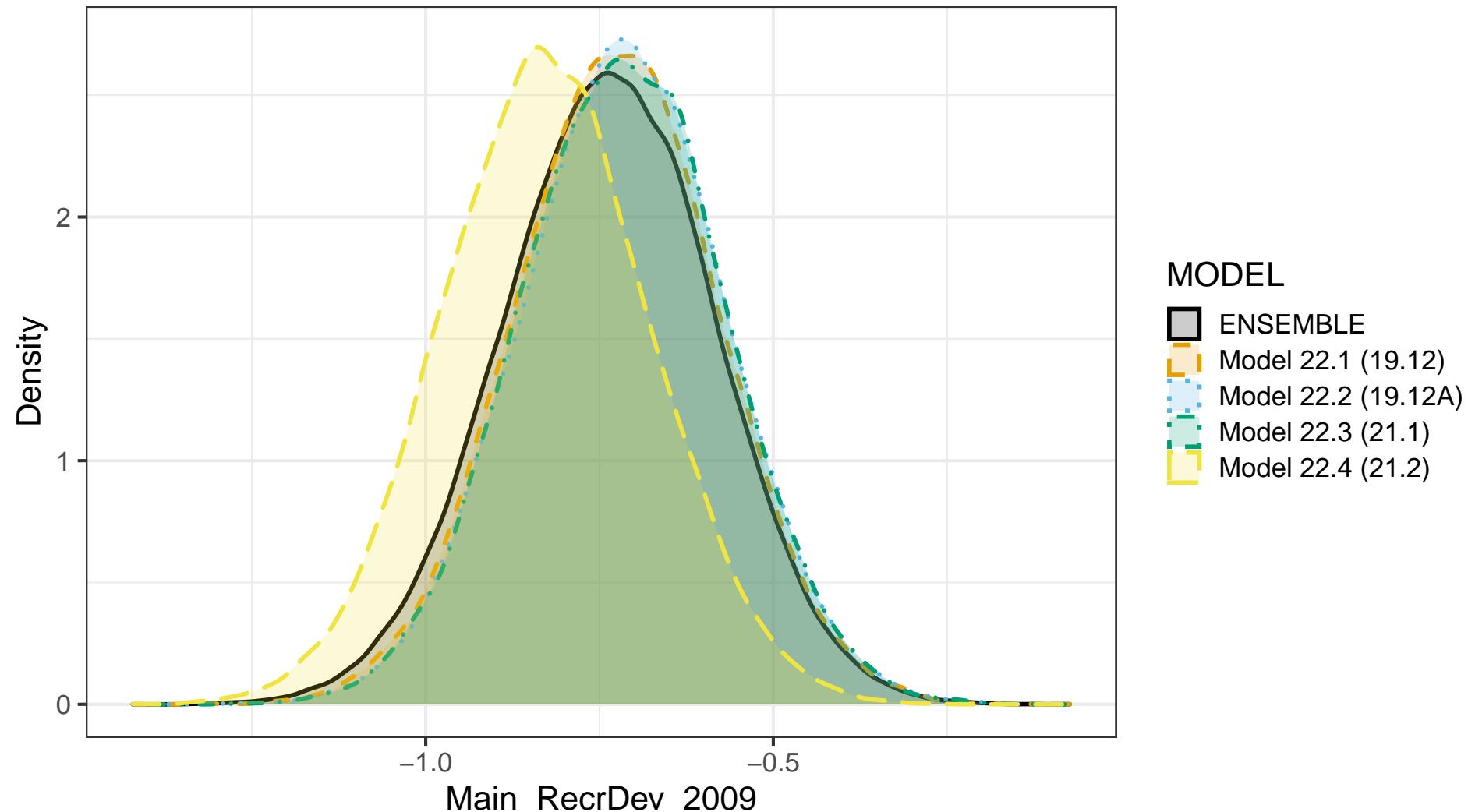
Main_RecrDev_2007



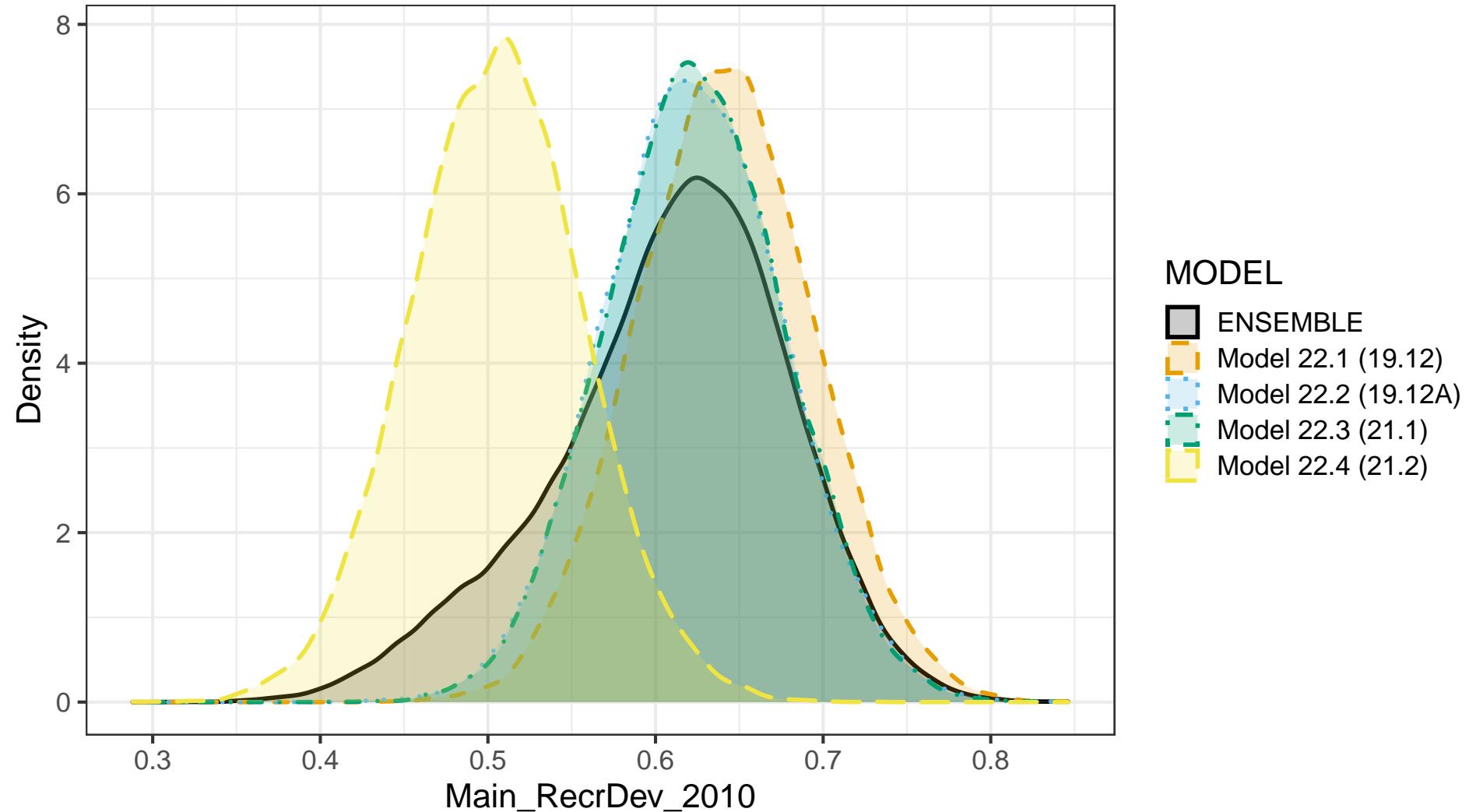
Main_RecrDev_2008



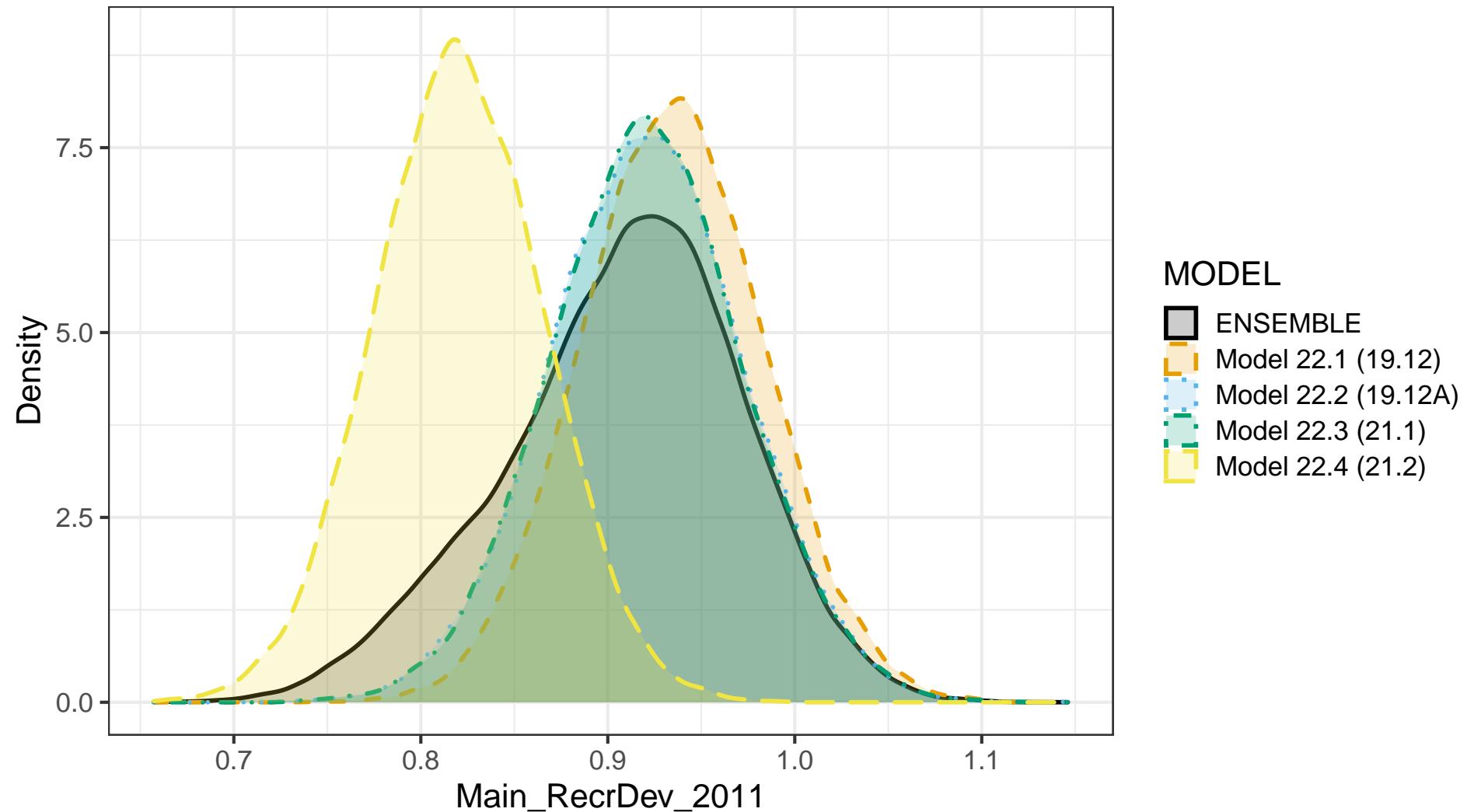
Main_RecrDev_2009



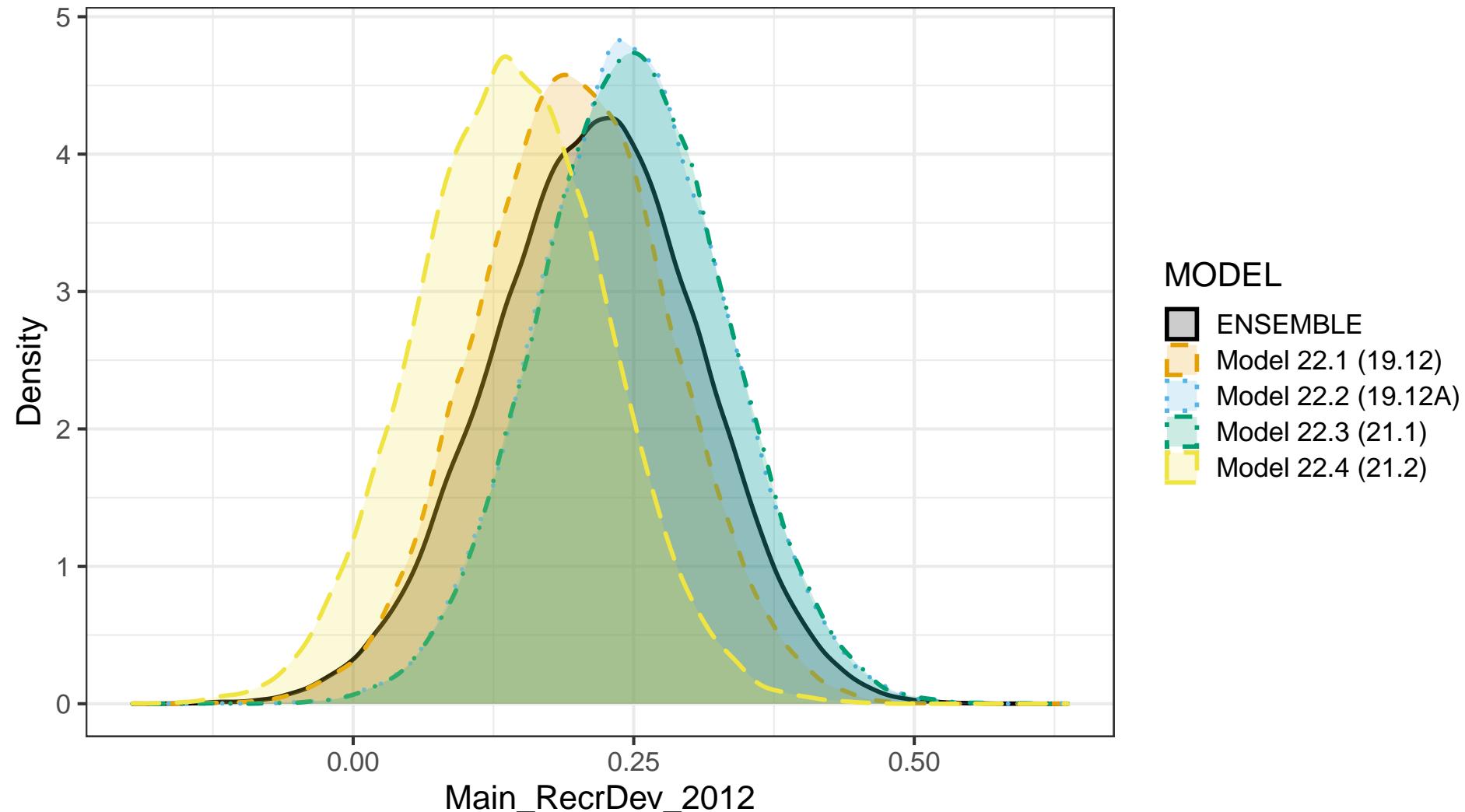
Main_RecrDev_2010



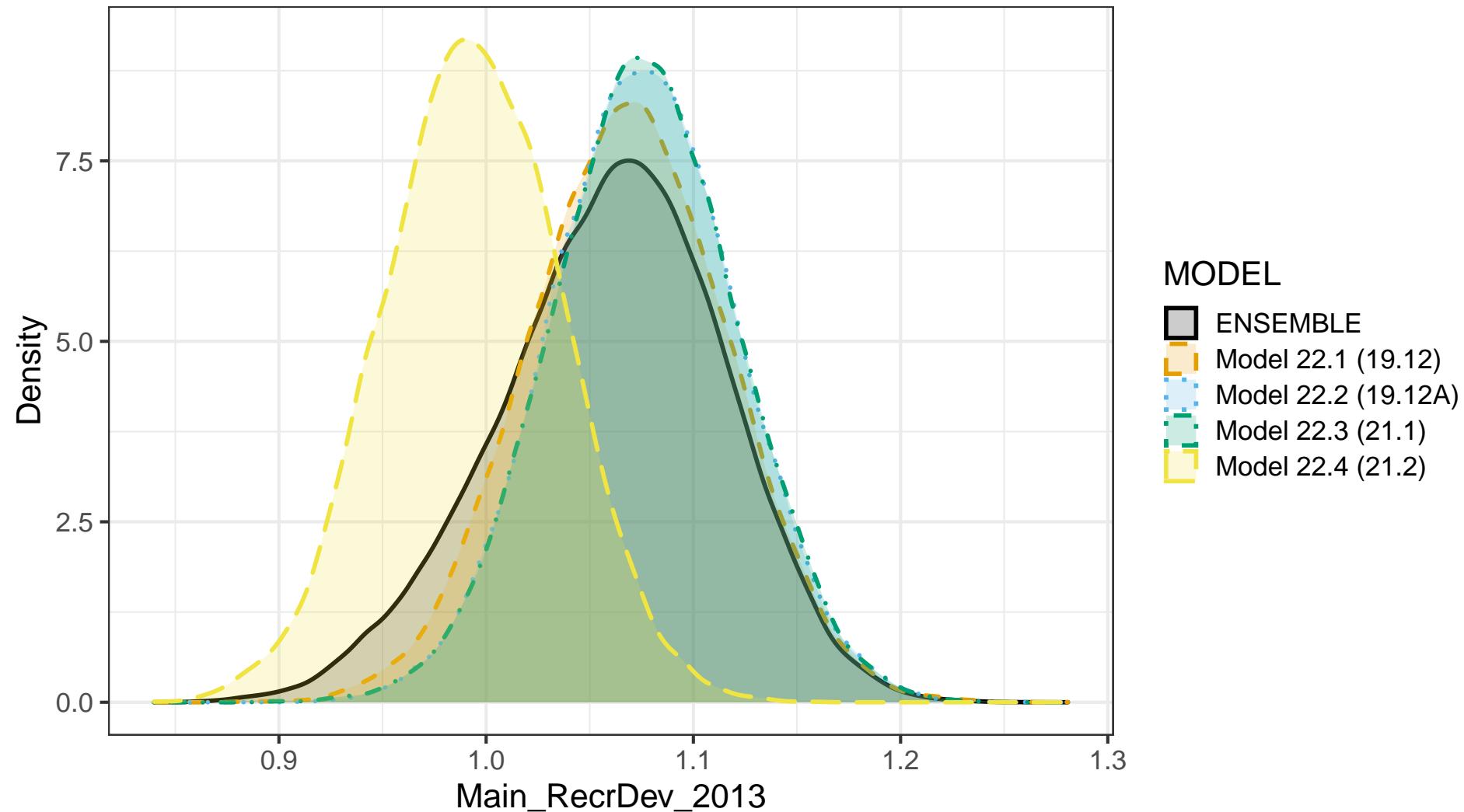
Main_RecrDev_2011



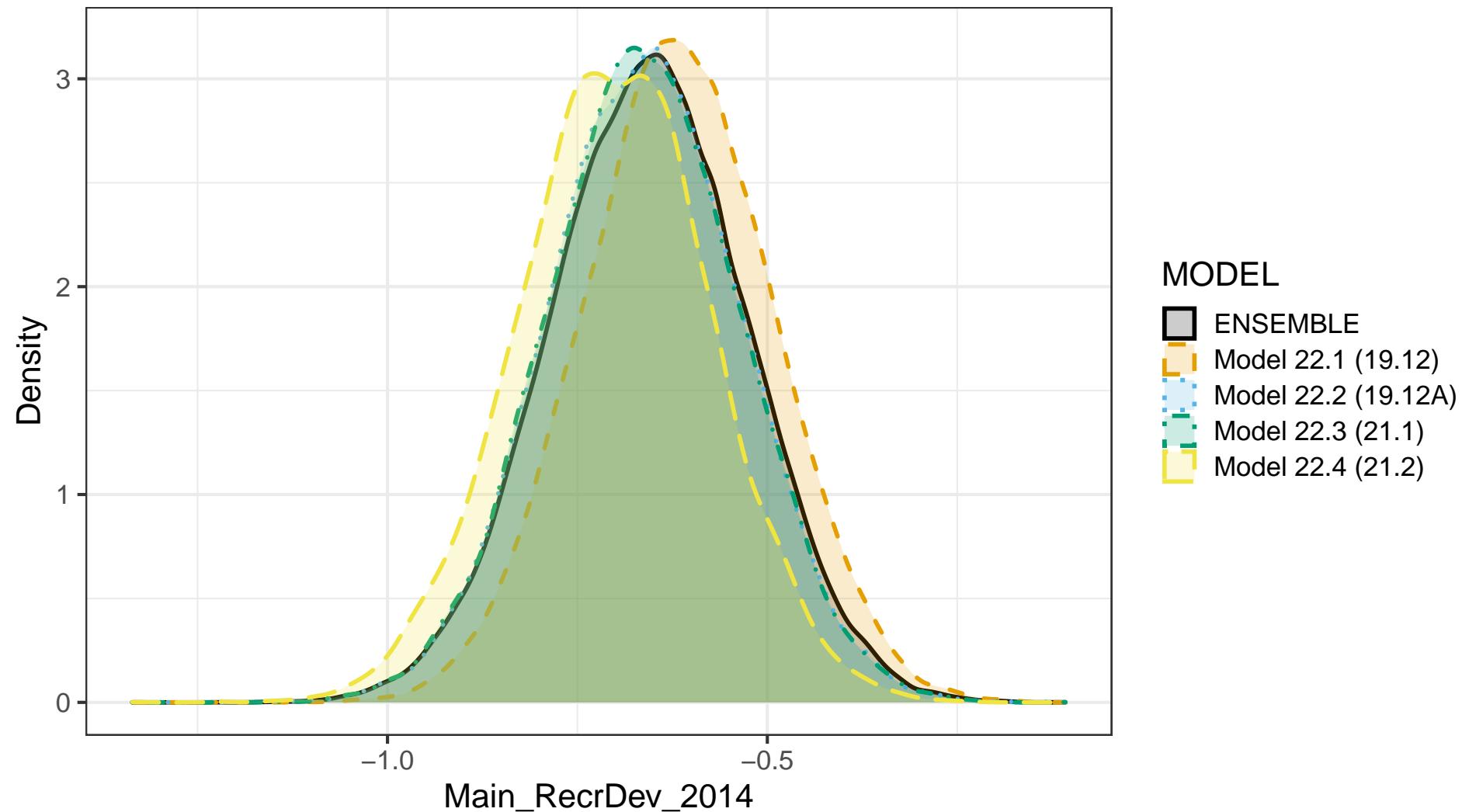
Main_RecrDev_2012



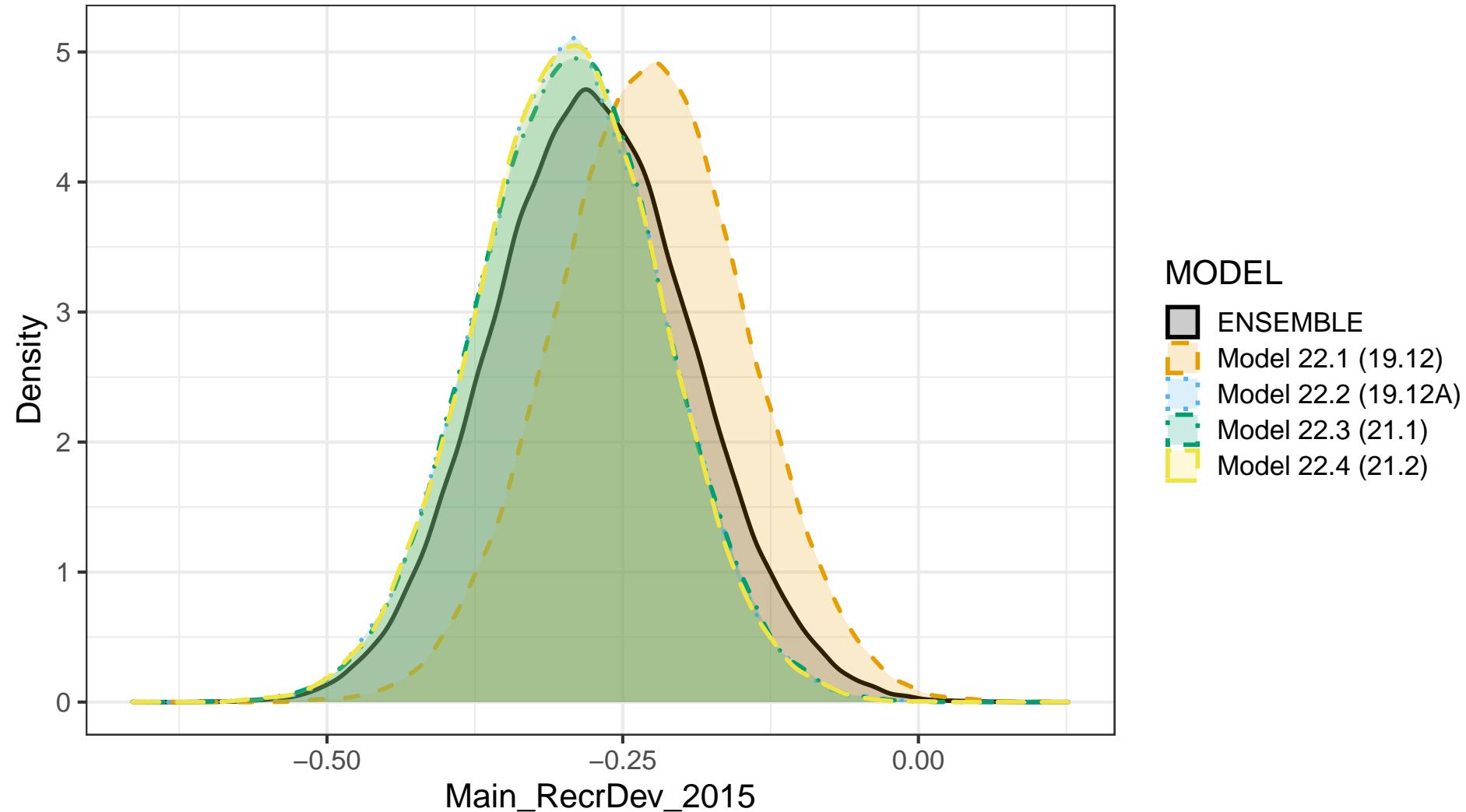
Main_RecrDev_2013



Main_RecrDev_2014



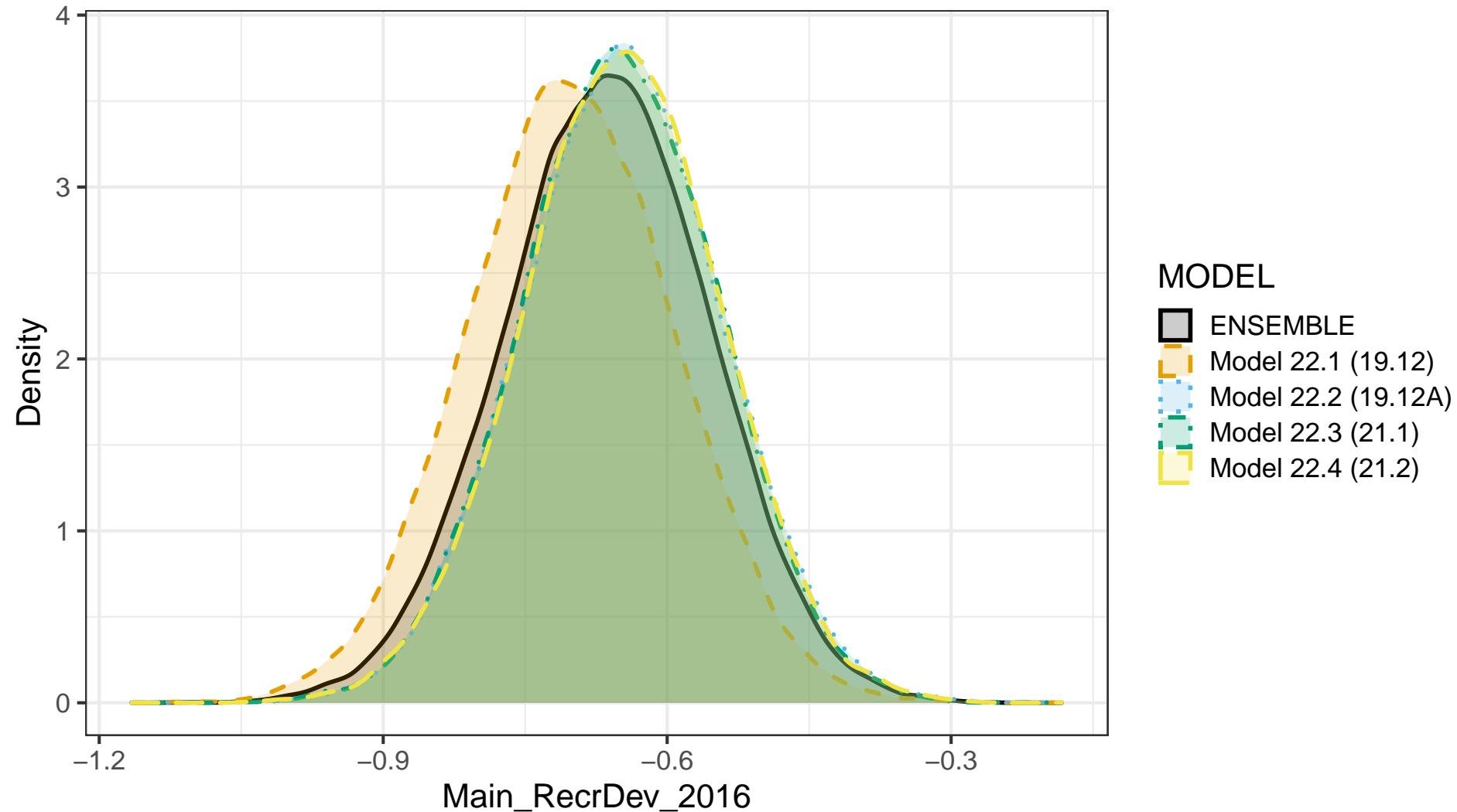
Main_RecrDev_2015



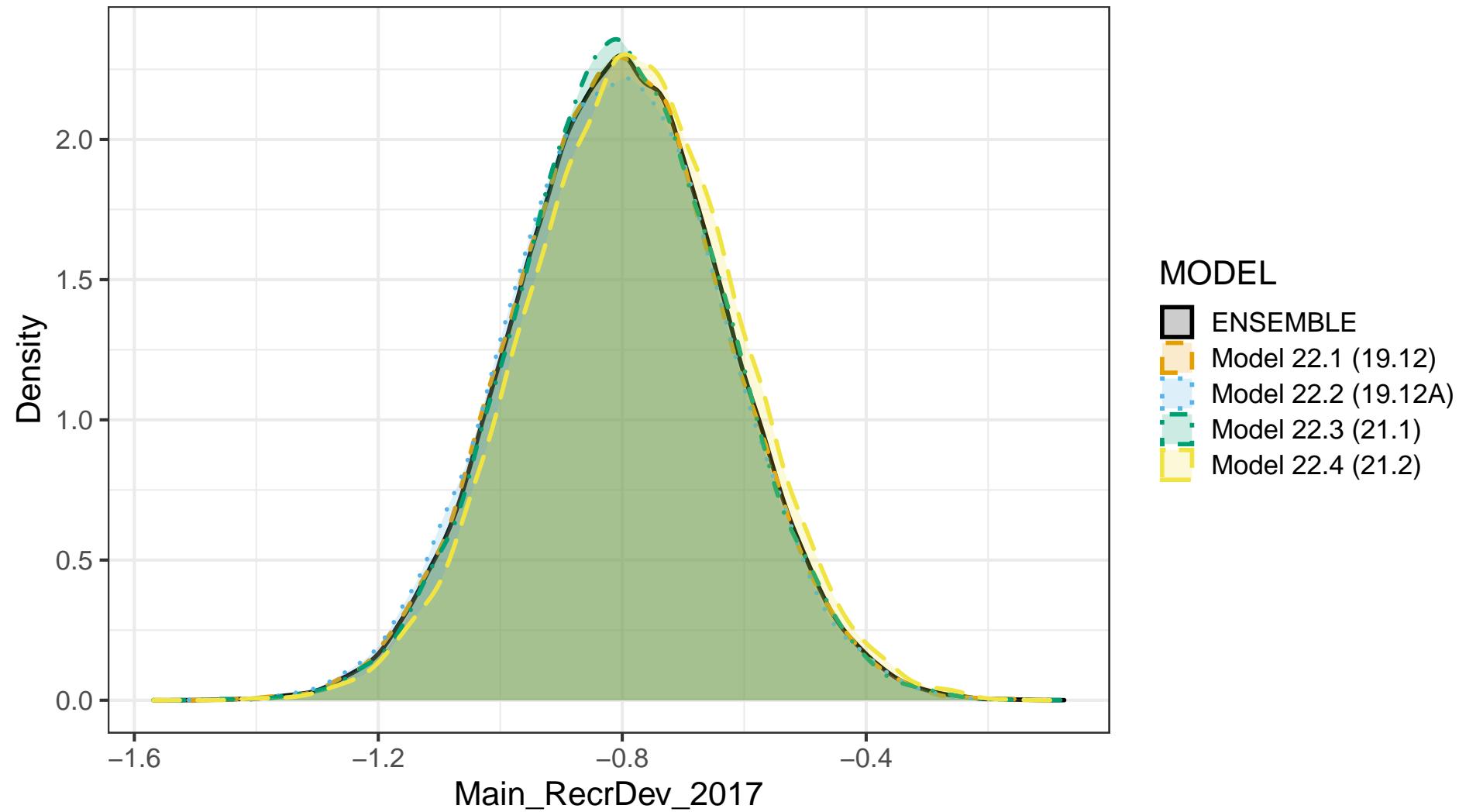
MODEL

- ENSEMBLE
- Model 22.1 (19.12)
- Model 22.2 (19.12A)
- Model 22.3 (21.1)
- Model 22.4 (21.2)

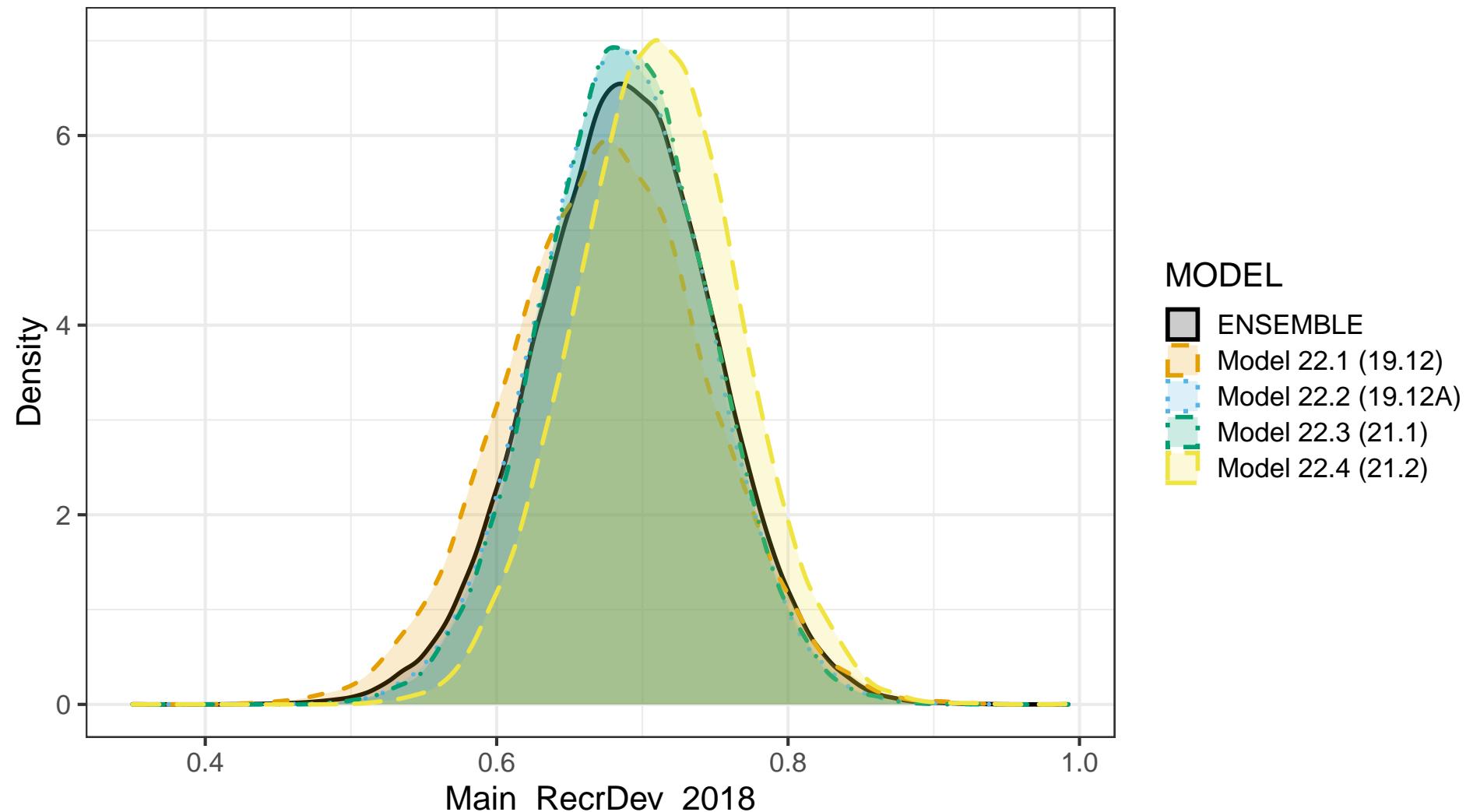
Main_RecrDev_2016



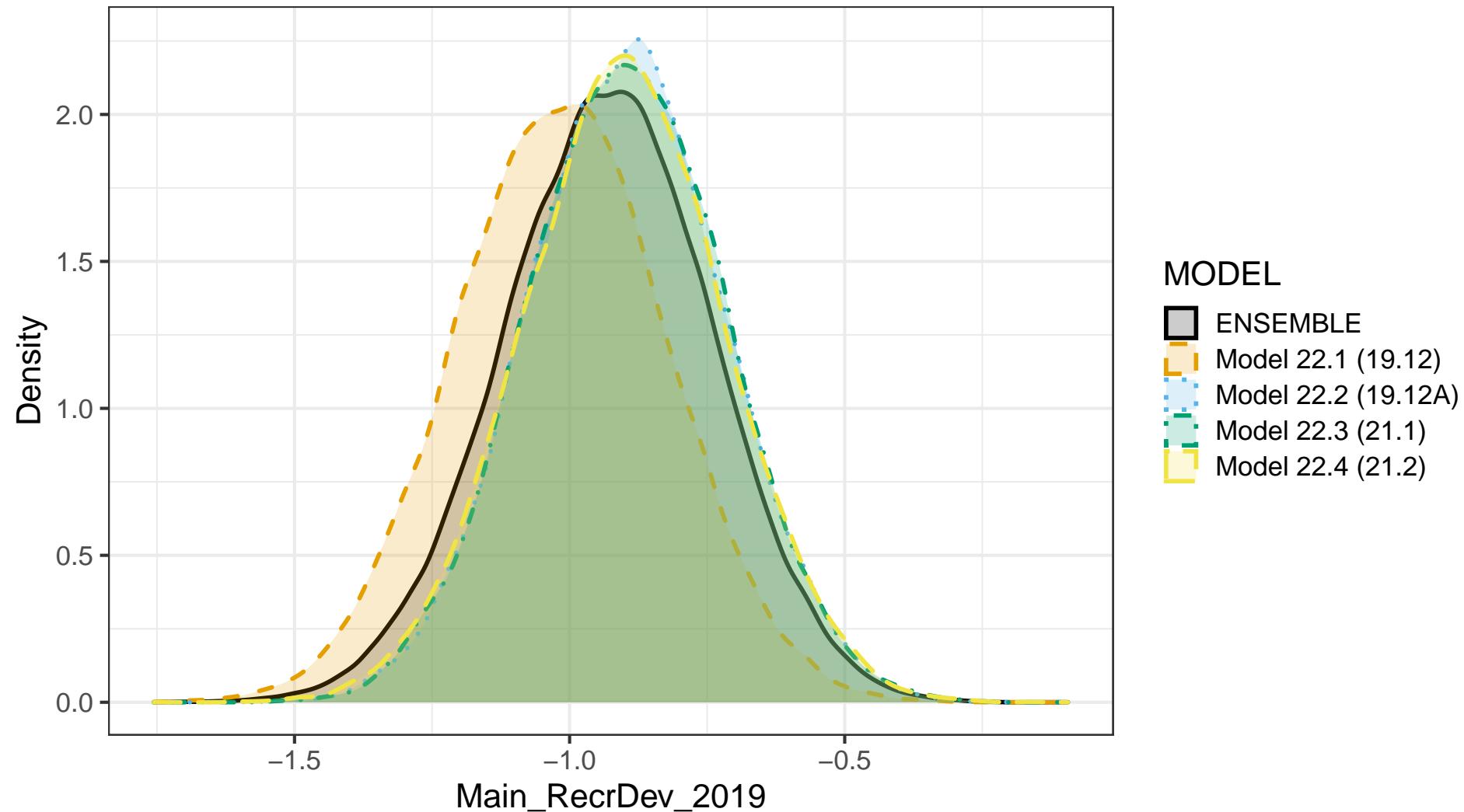
Main_RecrDev_2017



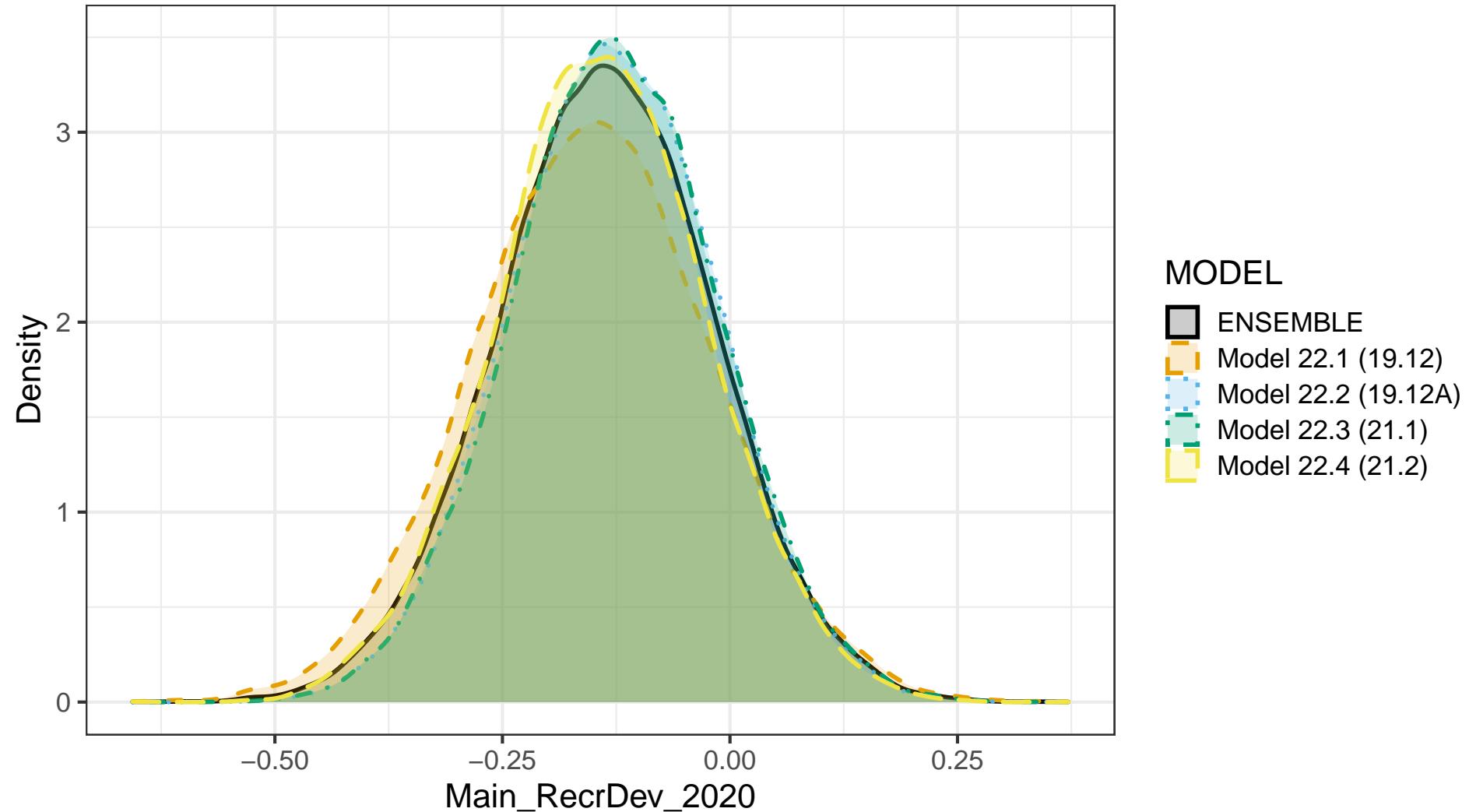
Main_RecrDev_2018



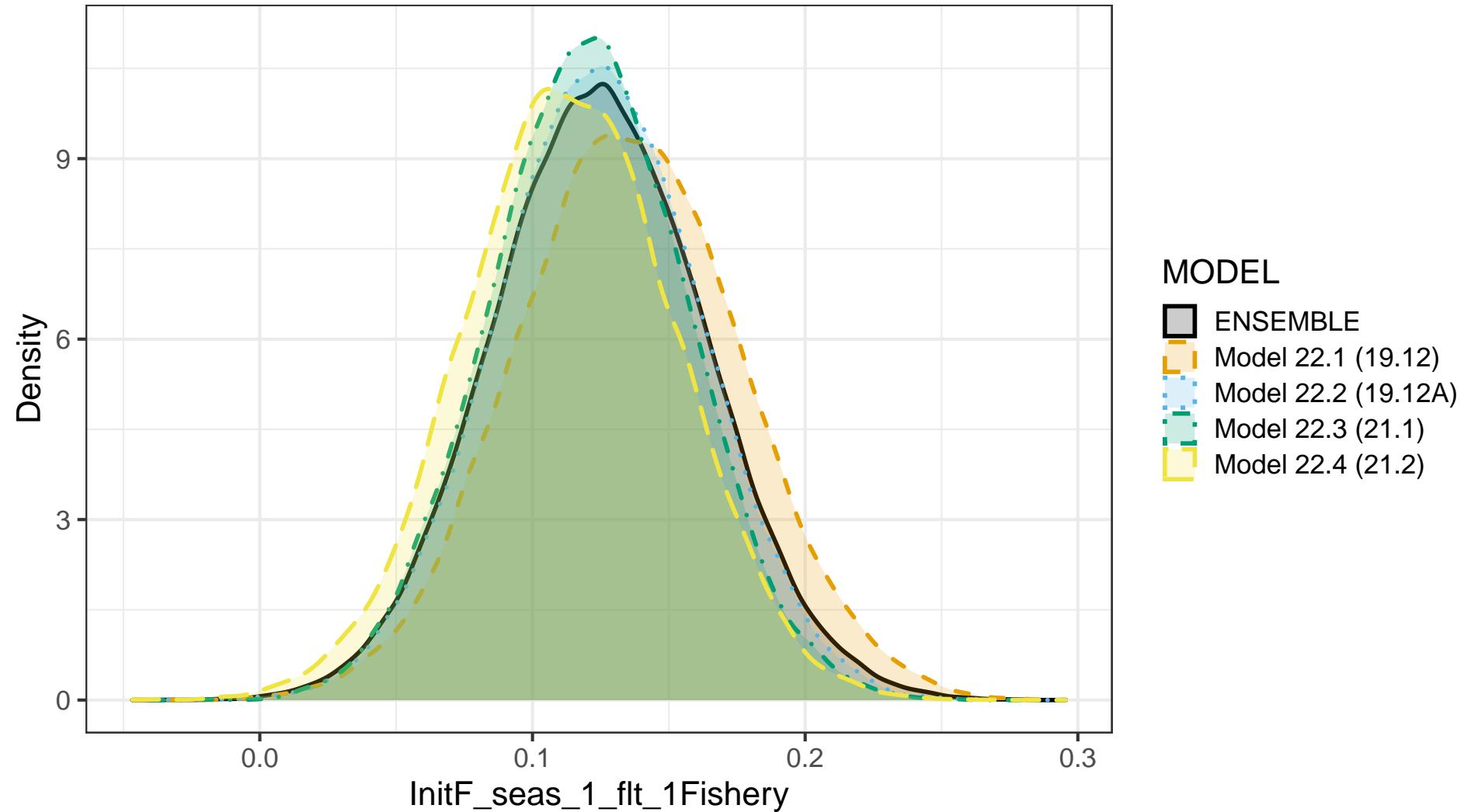
Main_RecrDev_2019



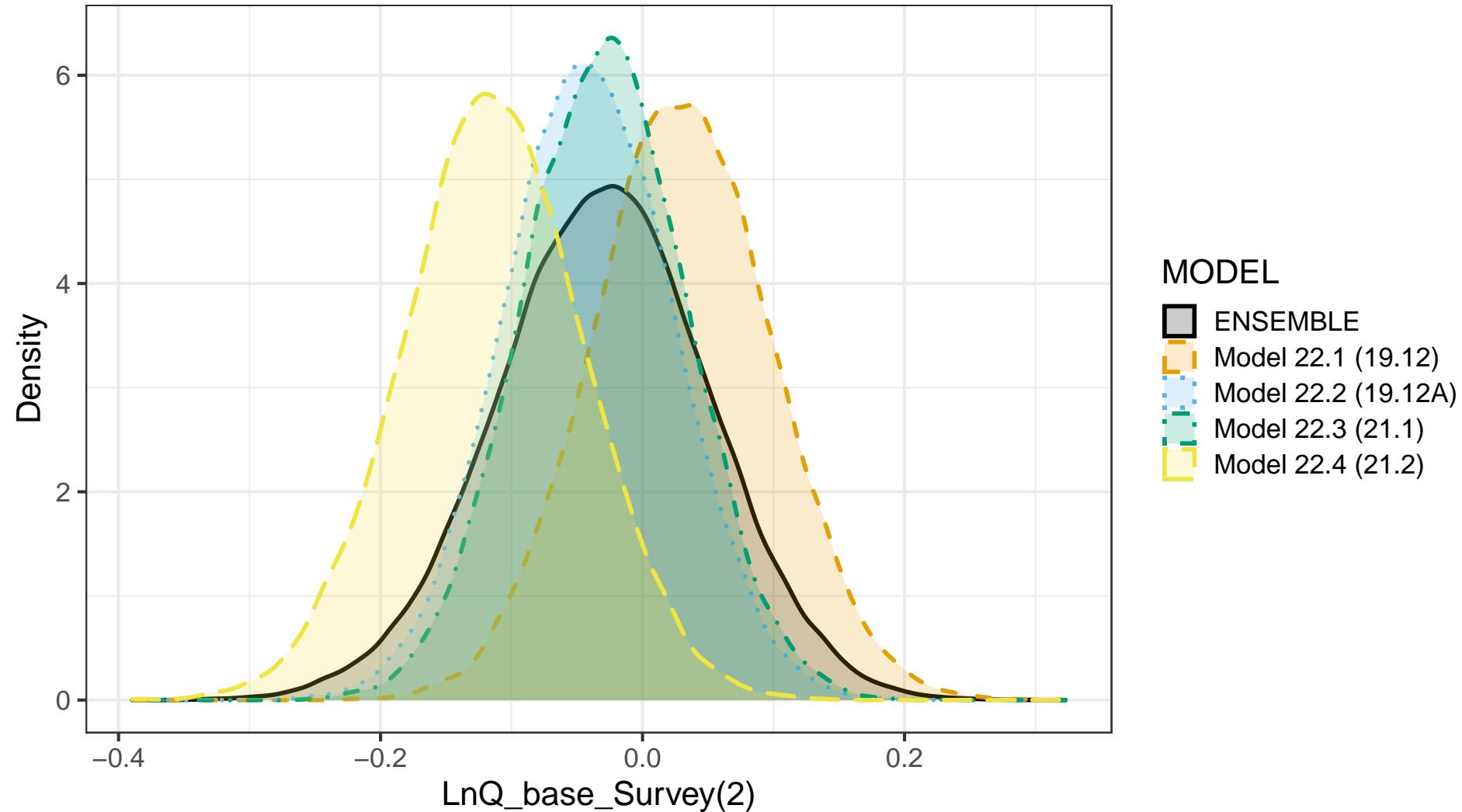
Main_RecrDev_2020



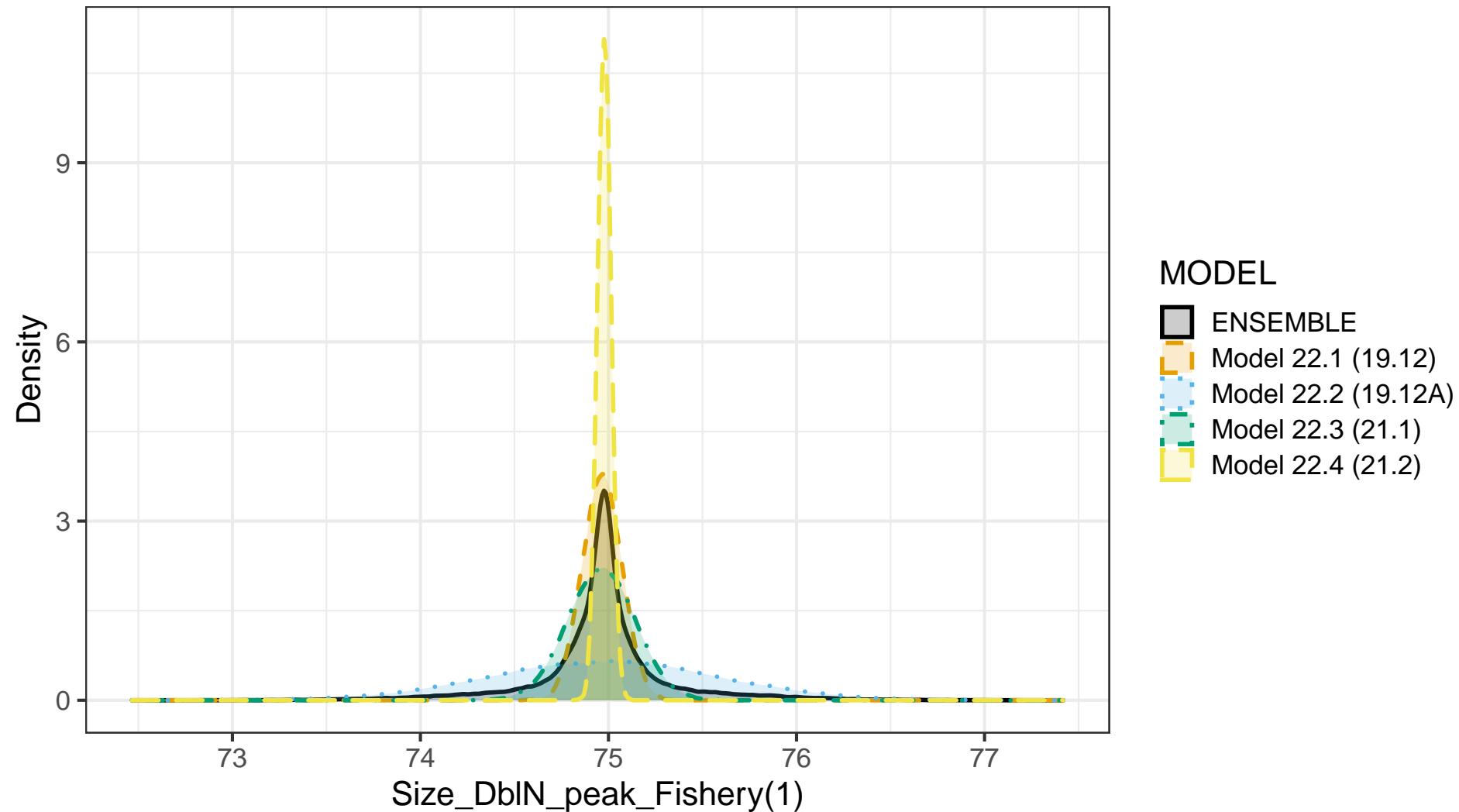
InitF_seas_1_flt_1Fishery



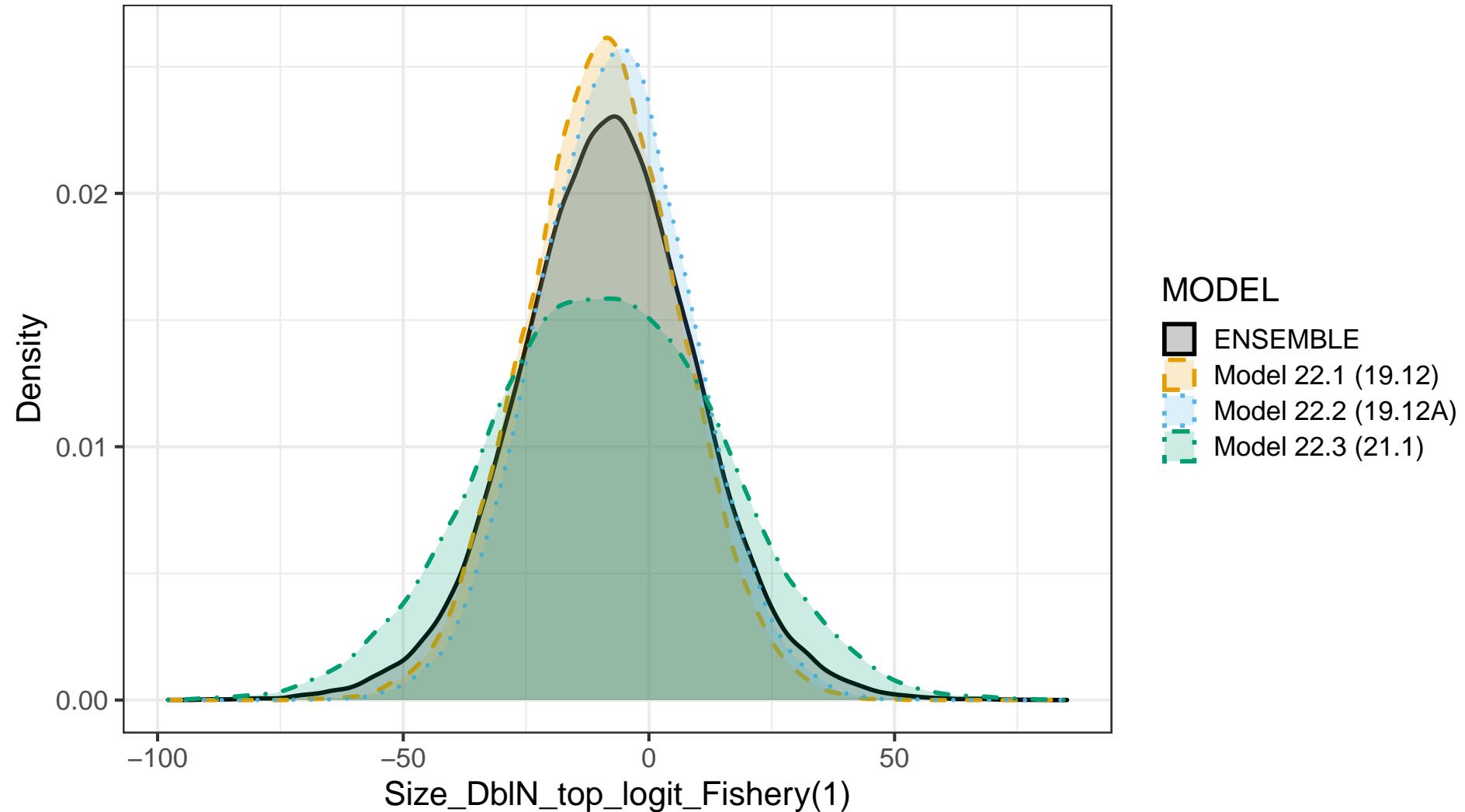
LnQ_base_Survey(2)



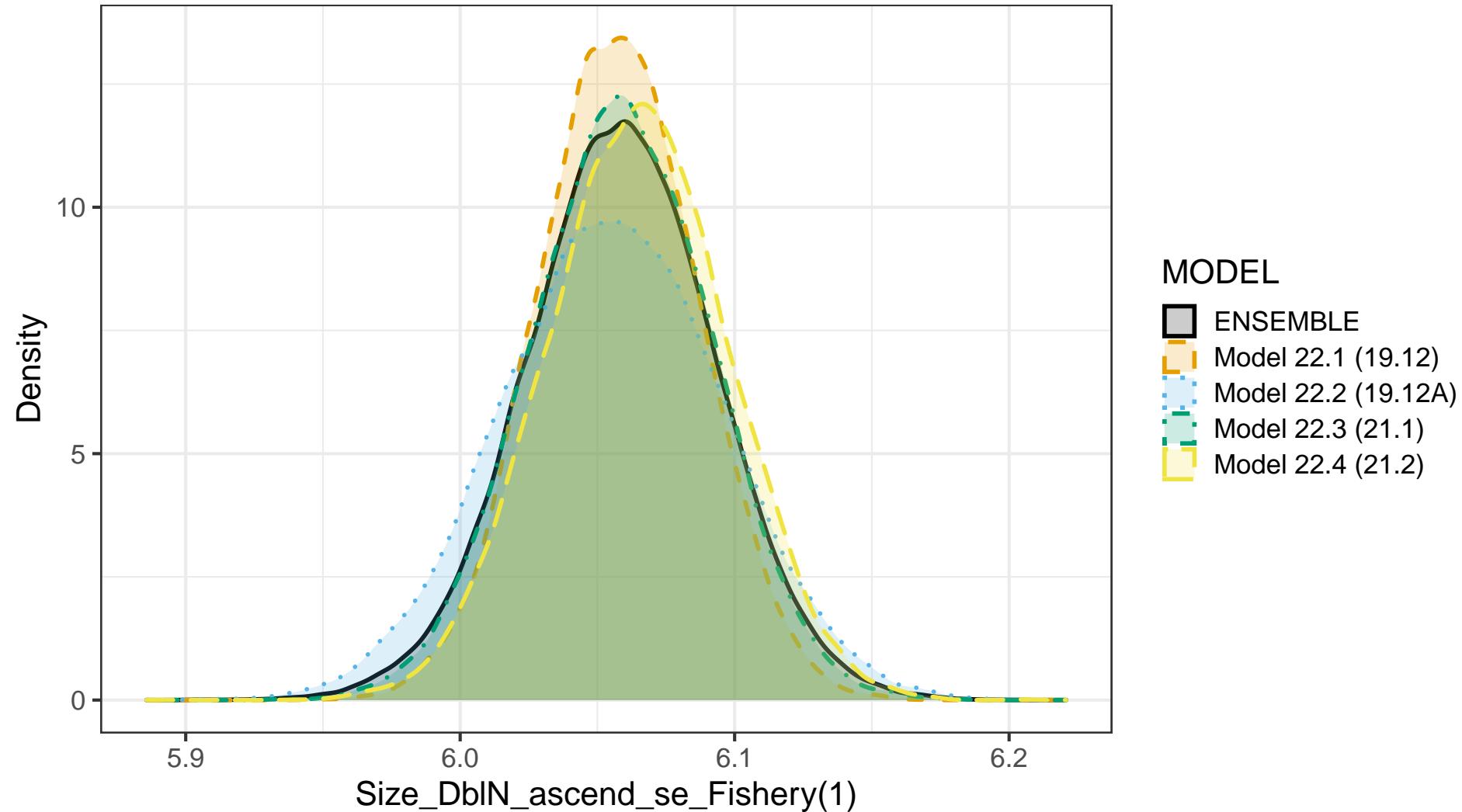
Size_DbIN_peak_Fishery(1)



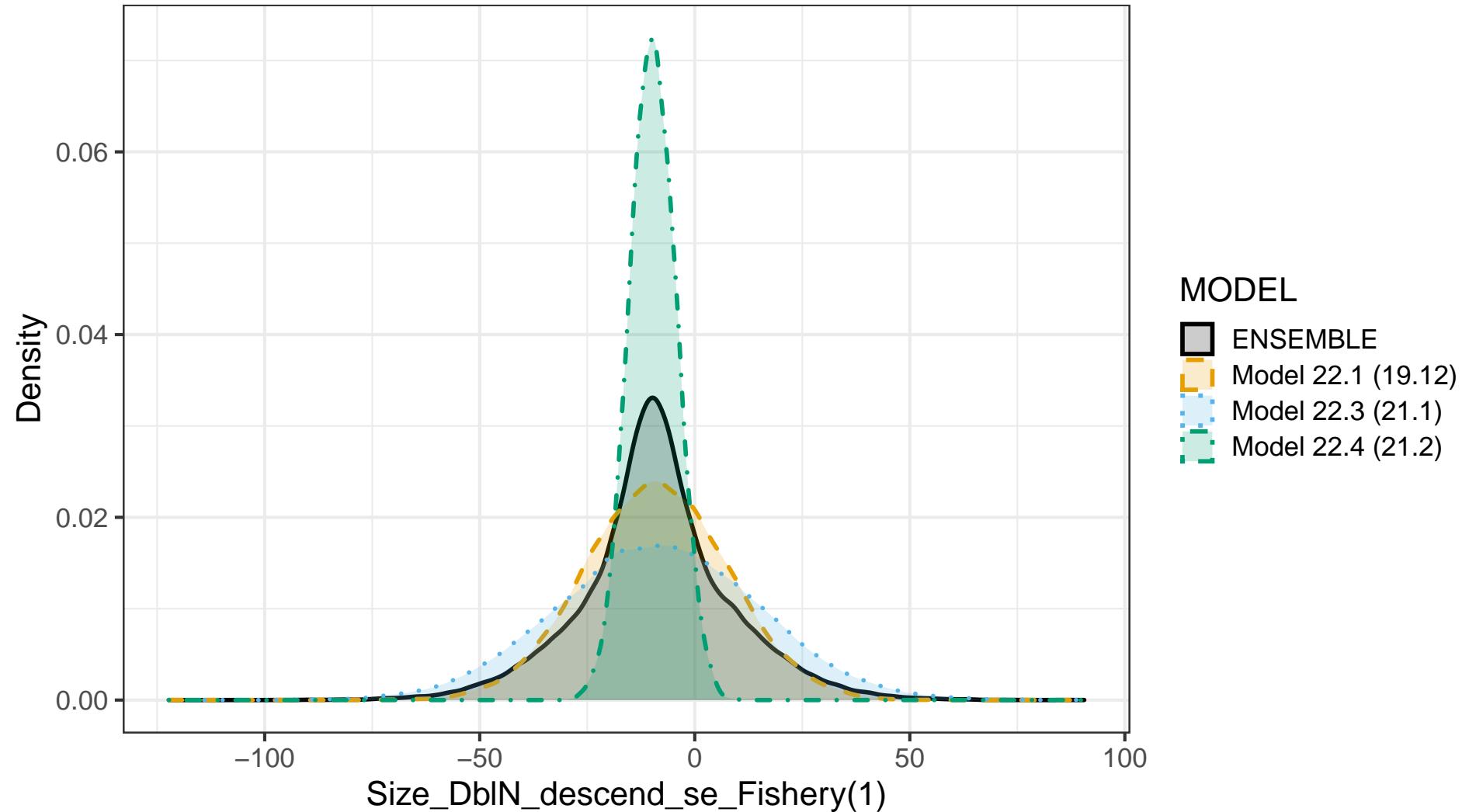
Size_DbIN_top_logit_Fishery(1)



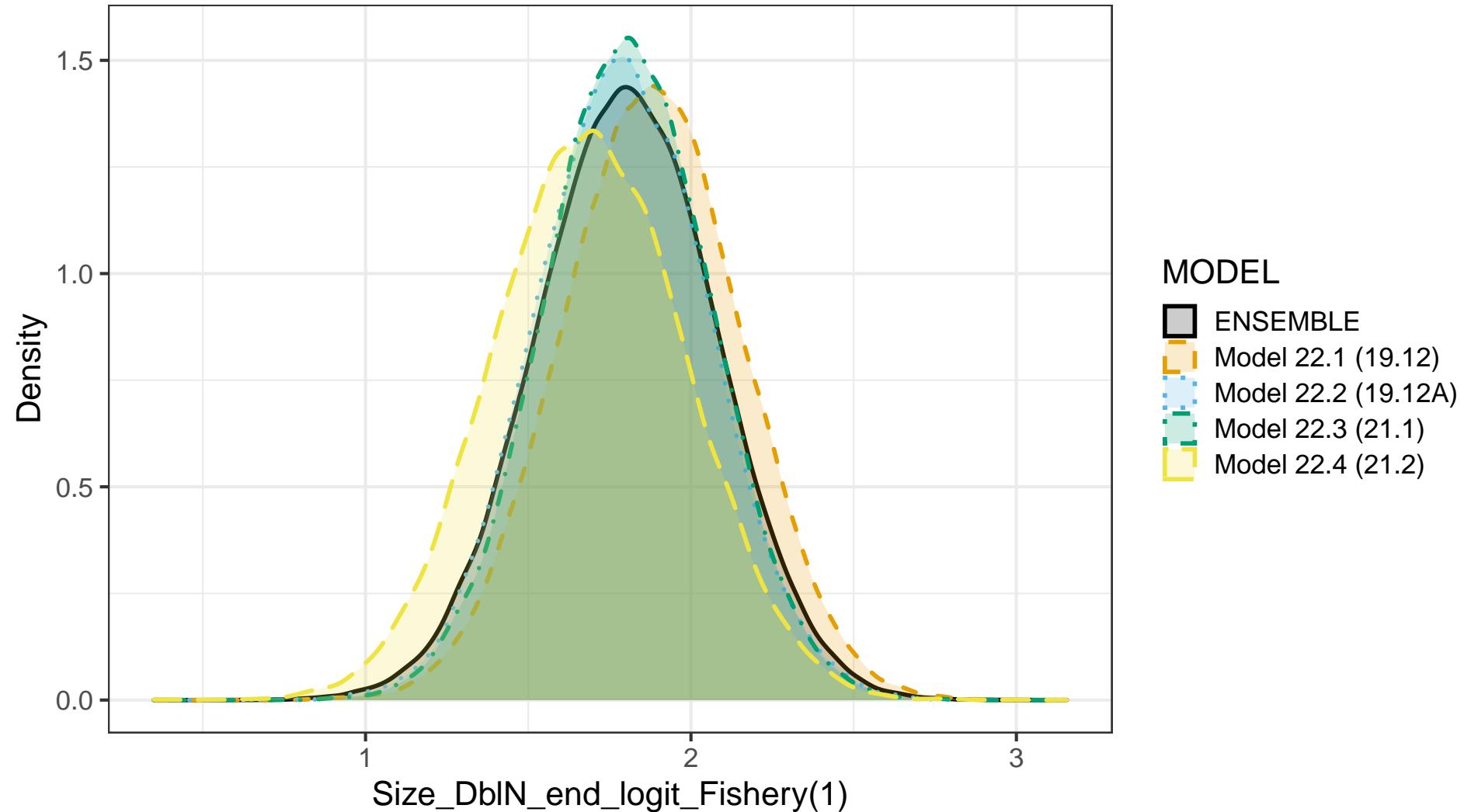
Size_DbIN_ascend_se_Fishery(1)



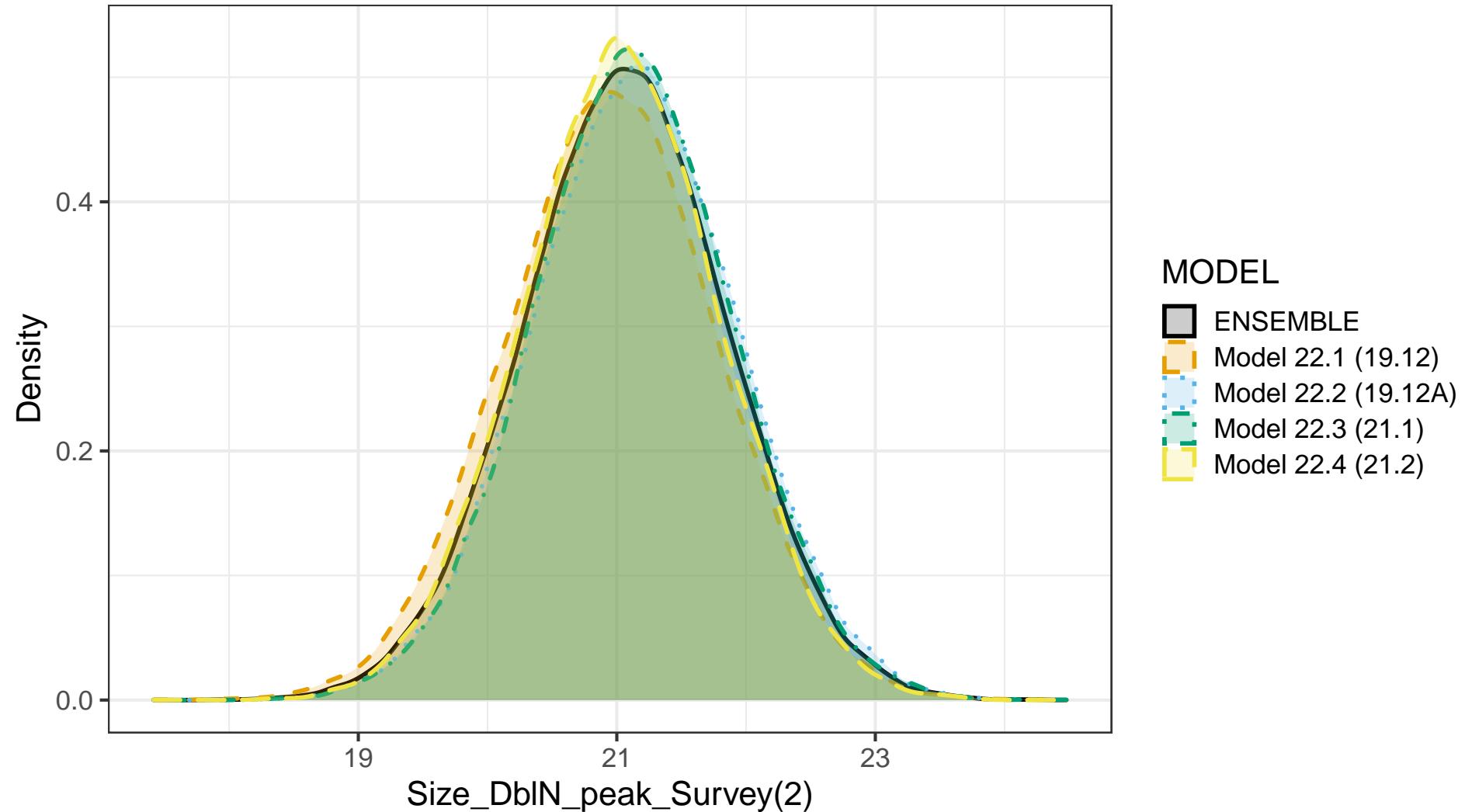
Size_DbIN_descend_se_Fishery(1)



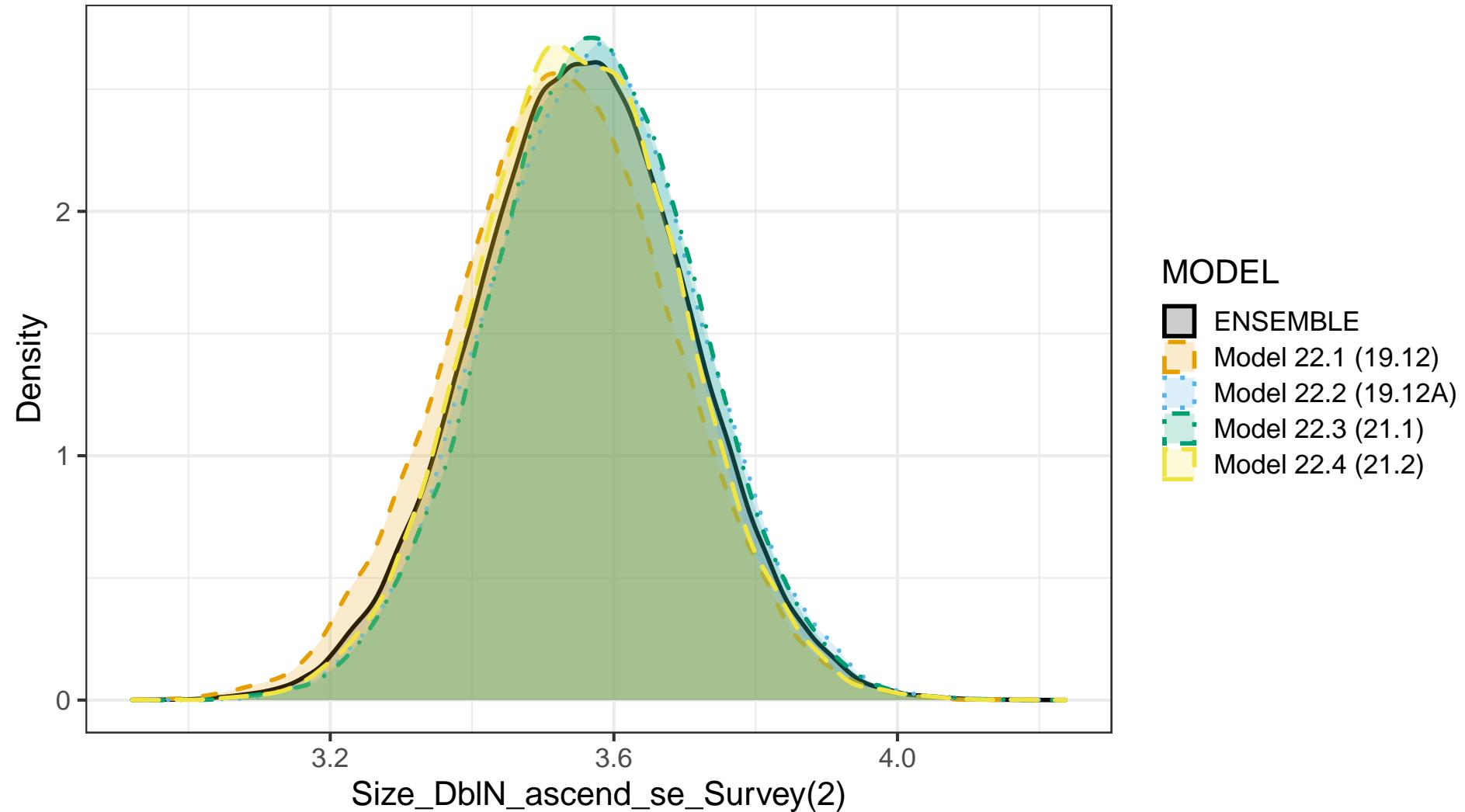
Size_DbIN_end_logit_Fishery(1)



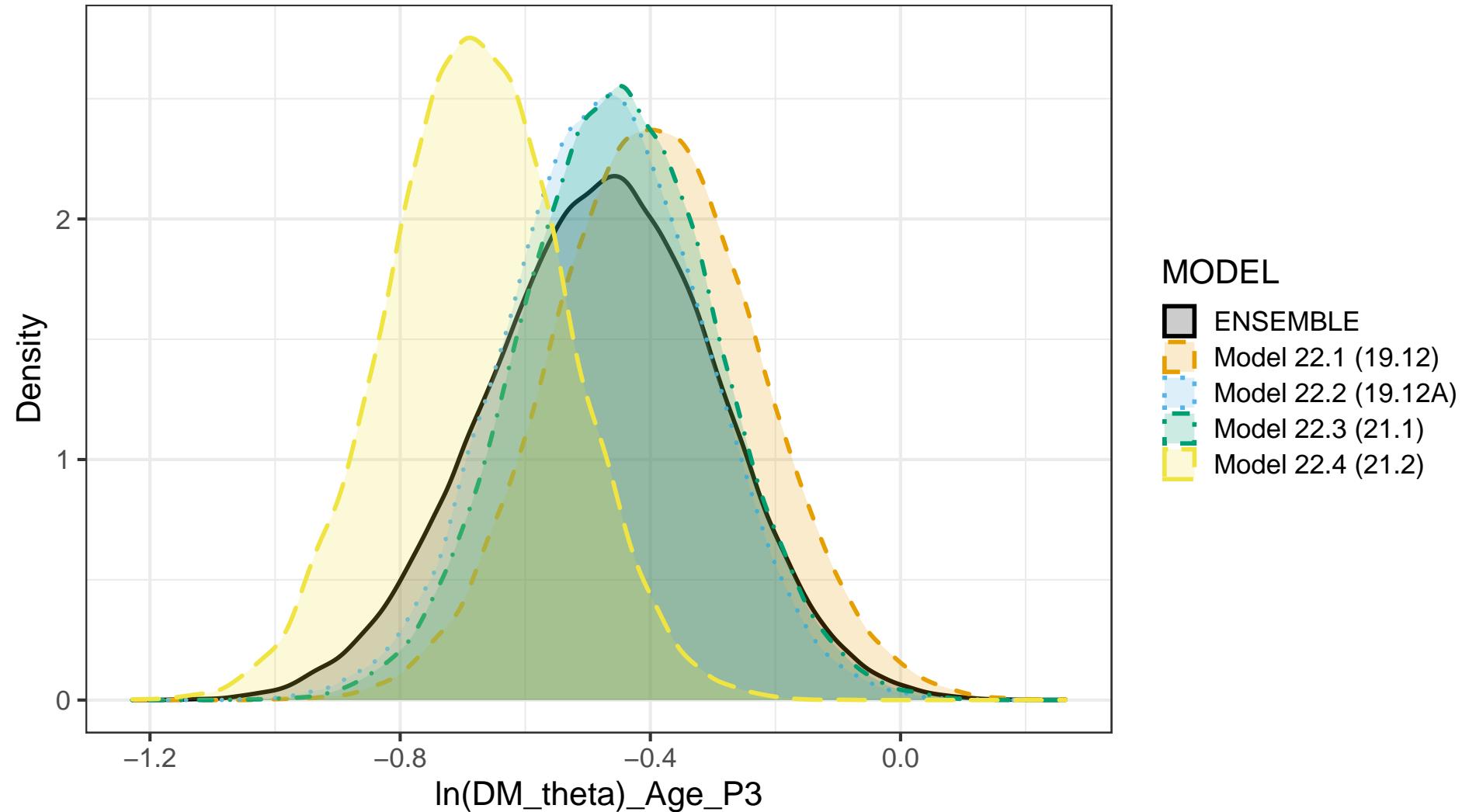
Size_DbIN_peak_Survey(2)



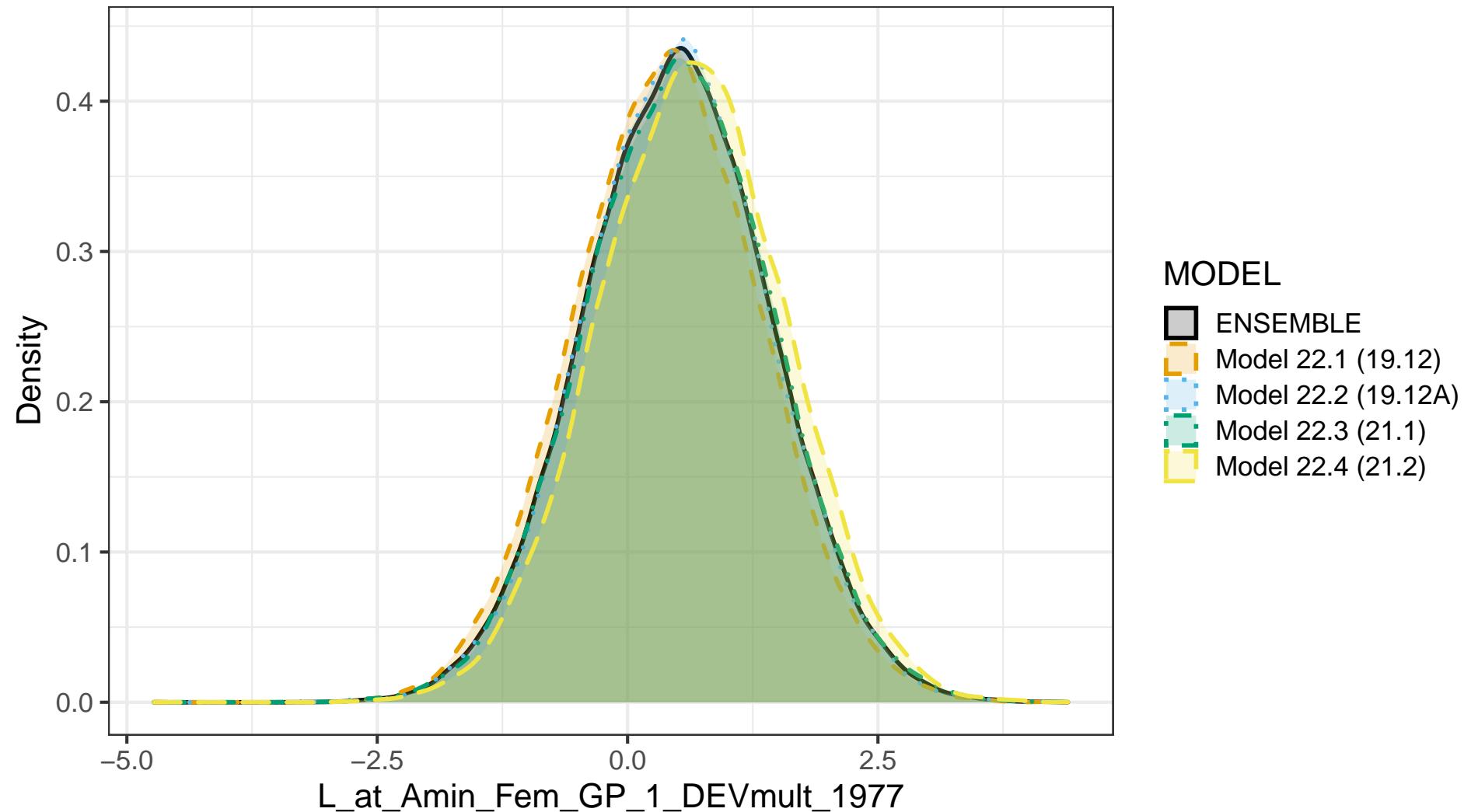
Size_DbIN_ascend_se_Survey(2)



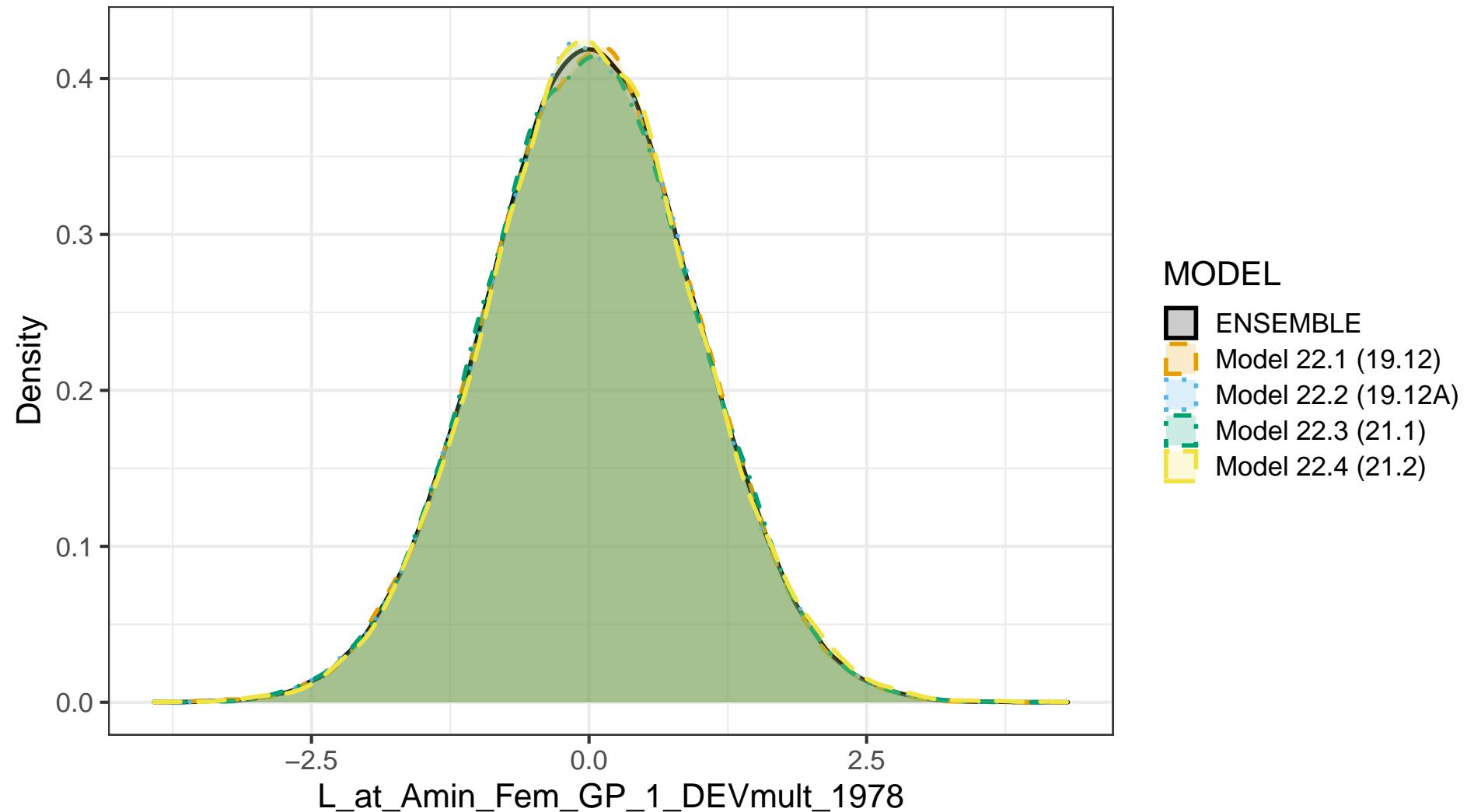
$\ln(\text{DM}_\theta)$ _Age_P3



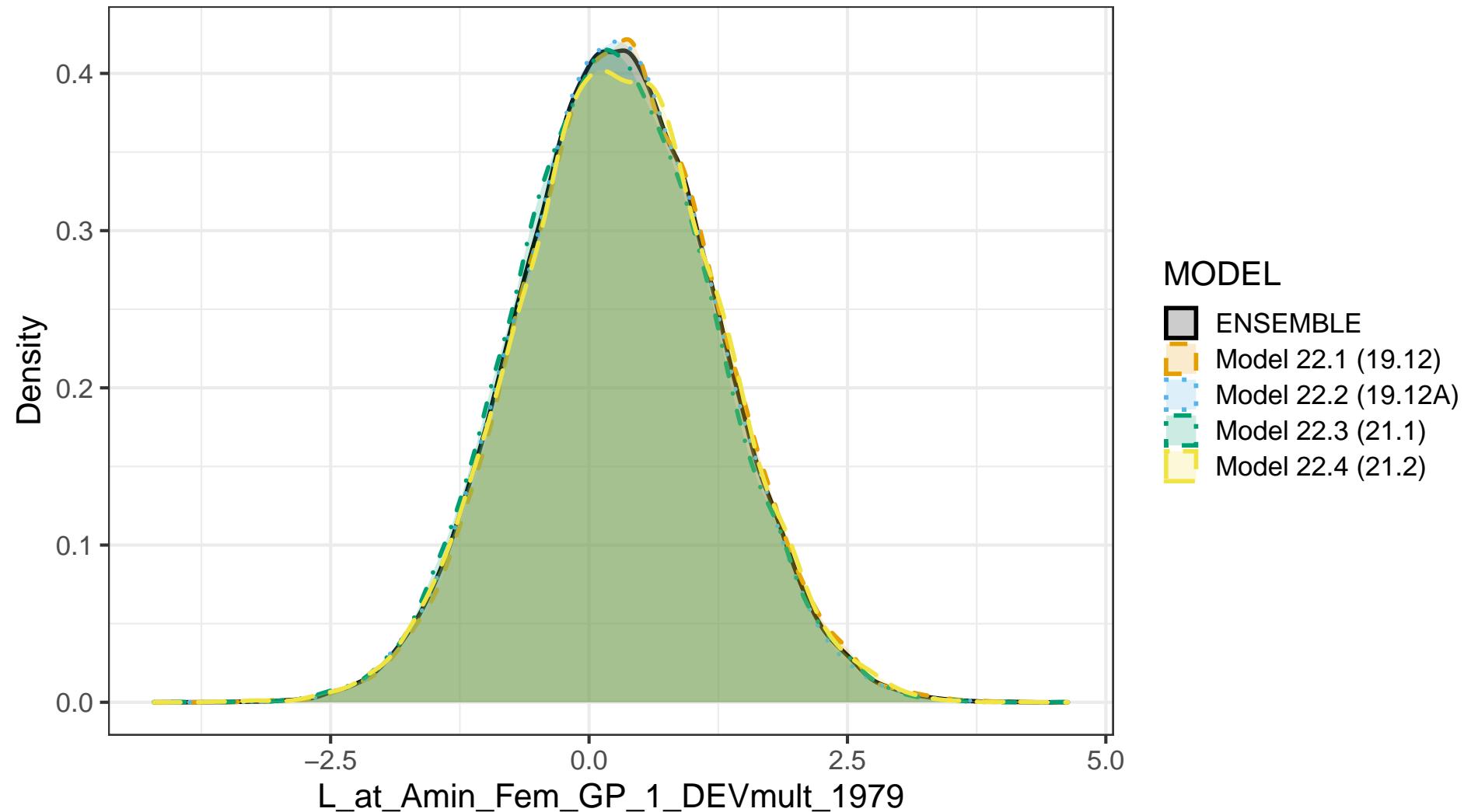
L_at_Amin_Fem_GP_1_DEVmult_1977



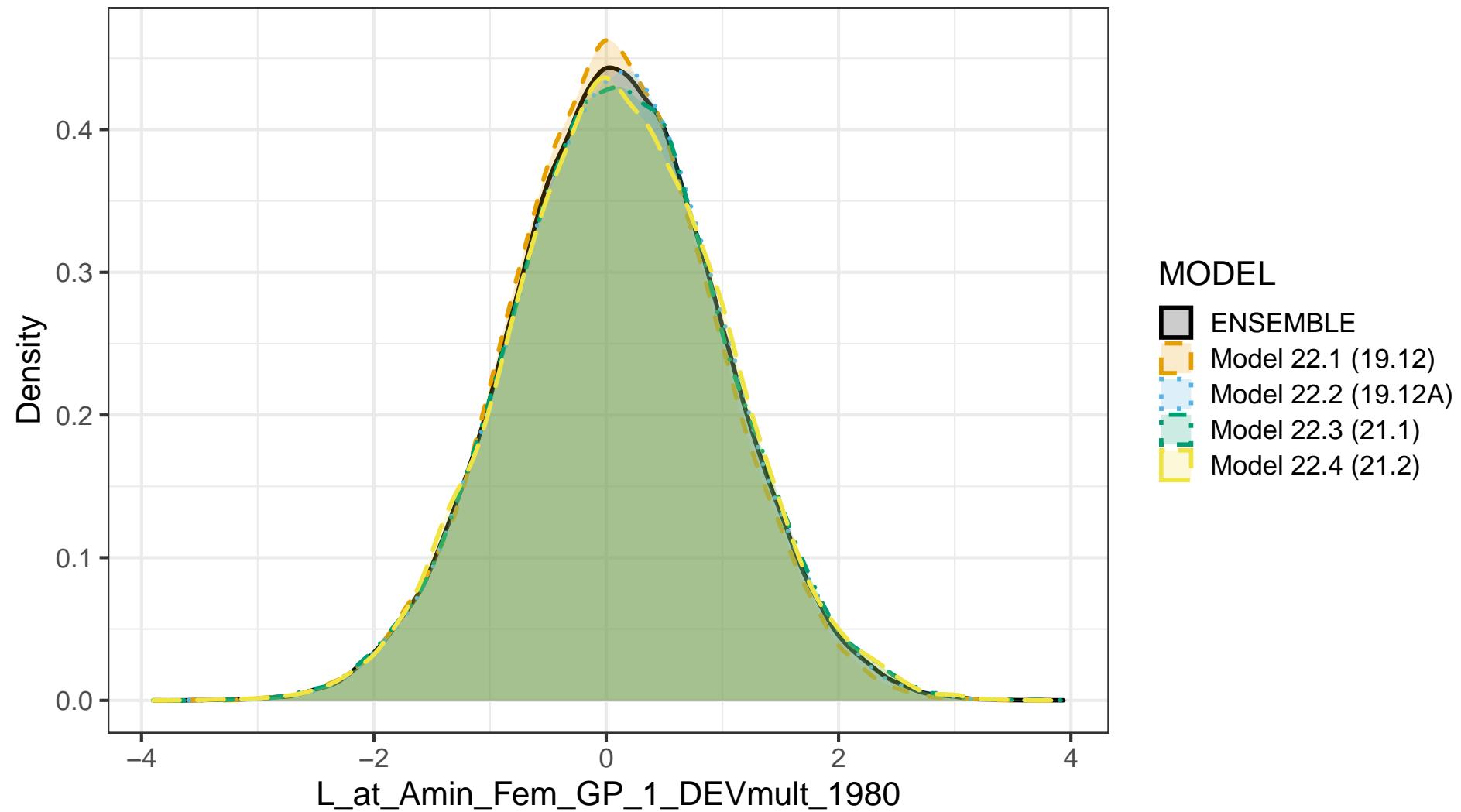
L_at_Amin_Fem_GP_1_DEVmult_1978



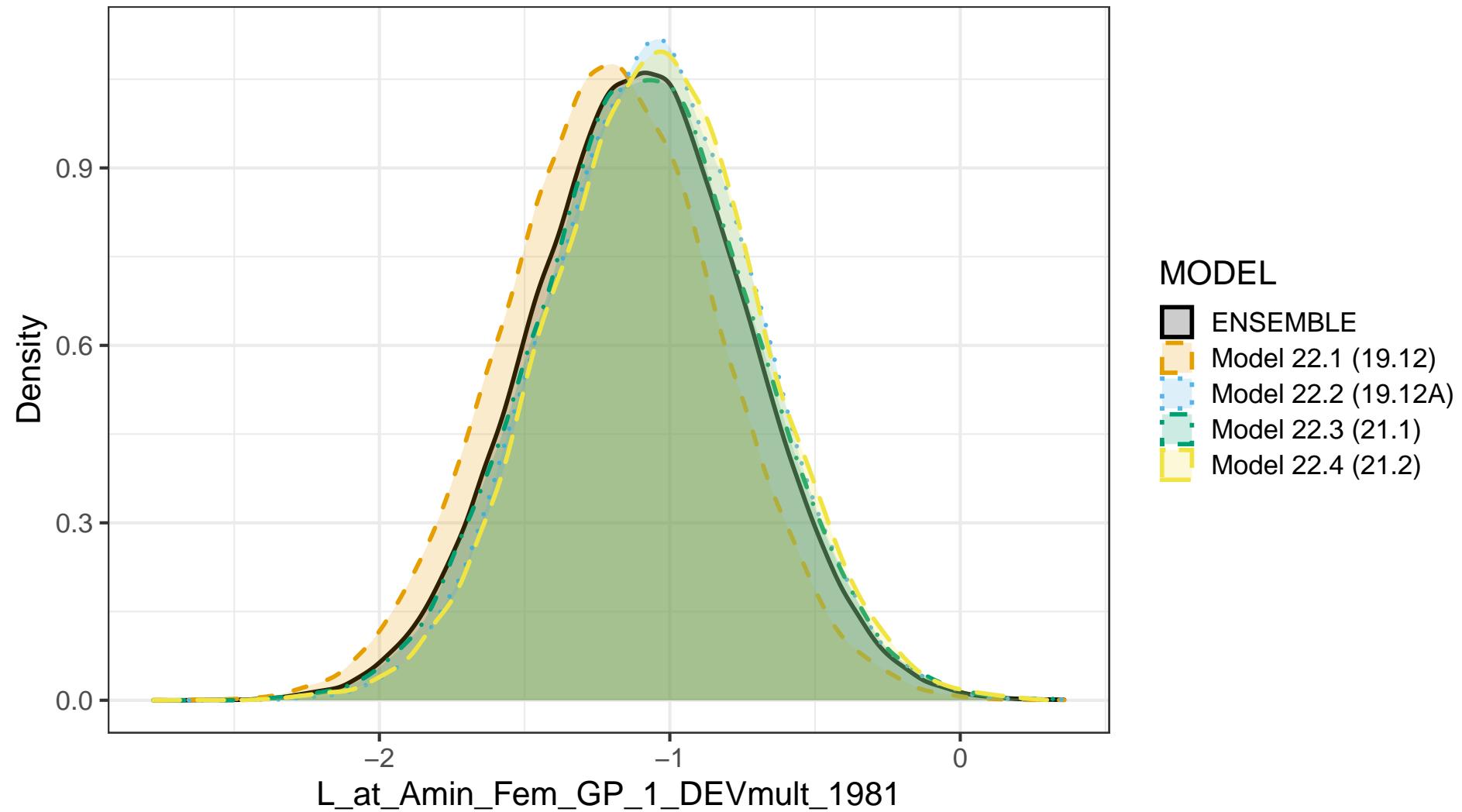
L_at_Amin_Fem_GP_1_DEVmult_1979



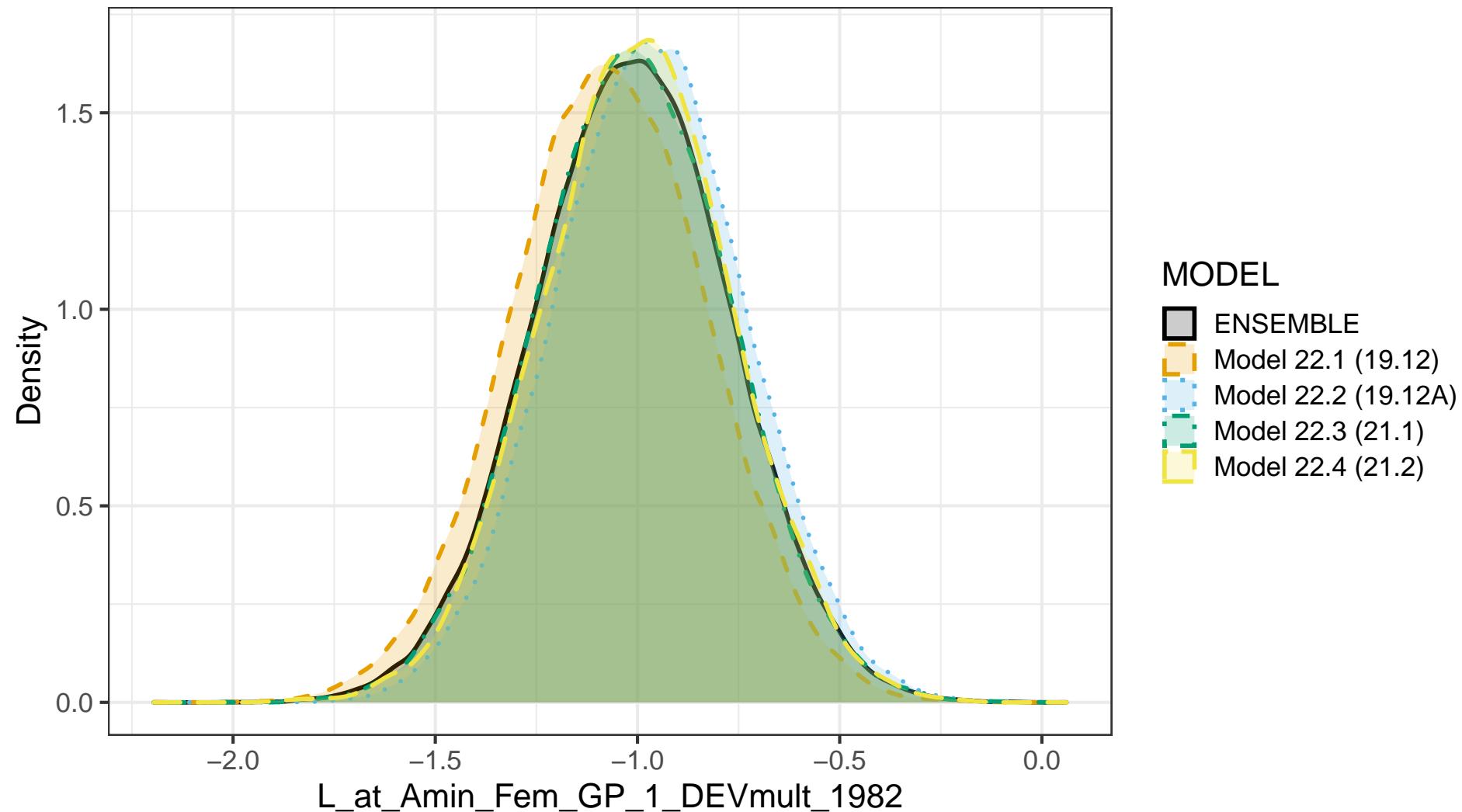
L_at_Amin_Fem_GP_1_DEVmult_1980



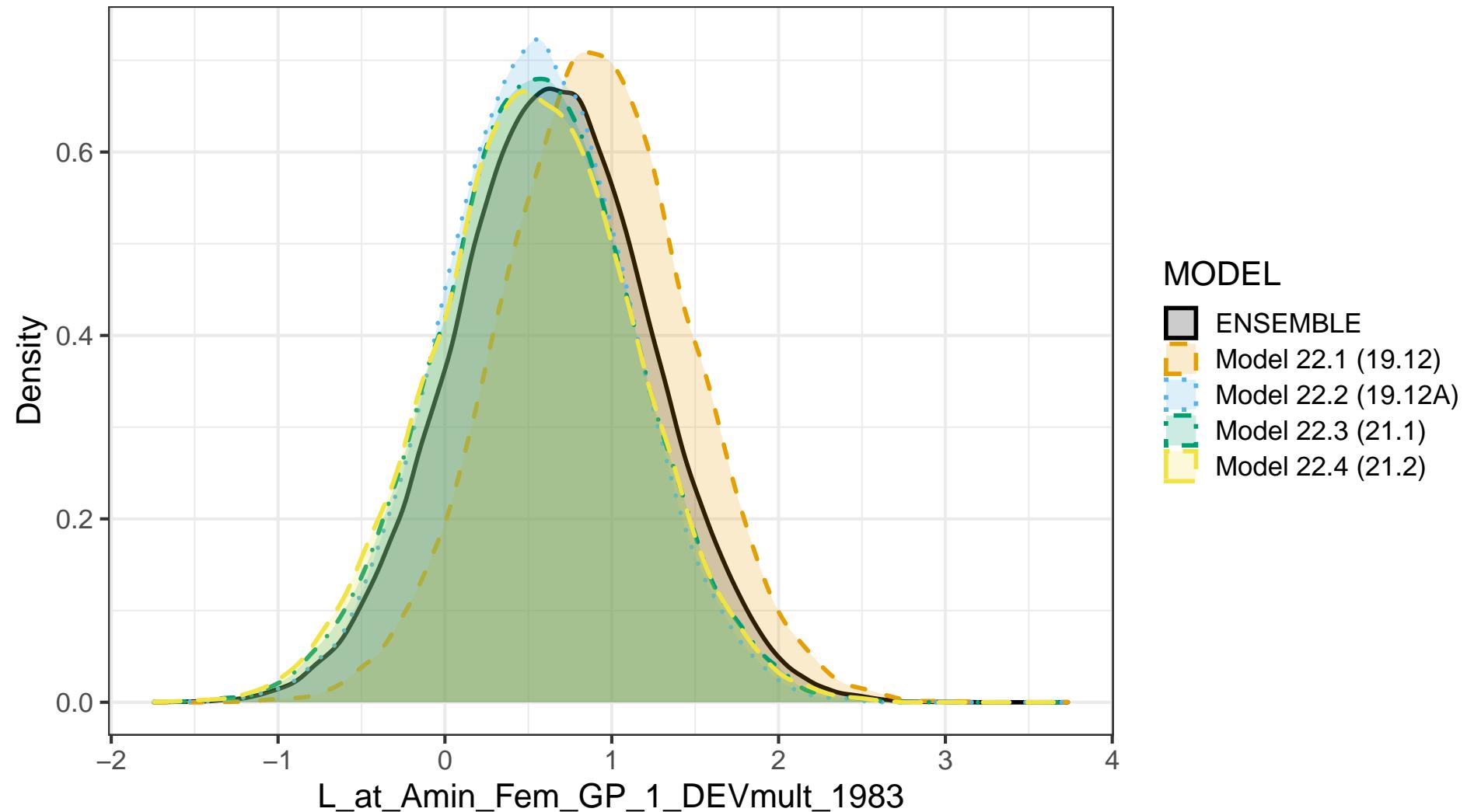
L_at_Amin_Fem_GP_1_DEVmult_1981



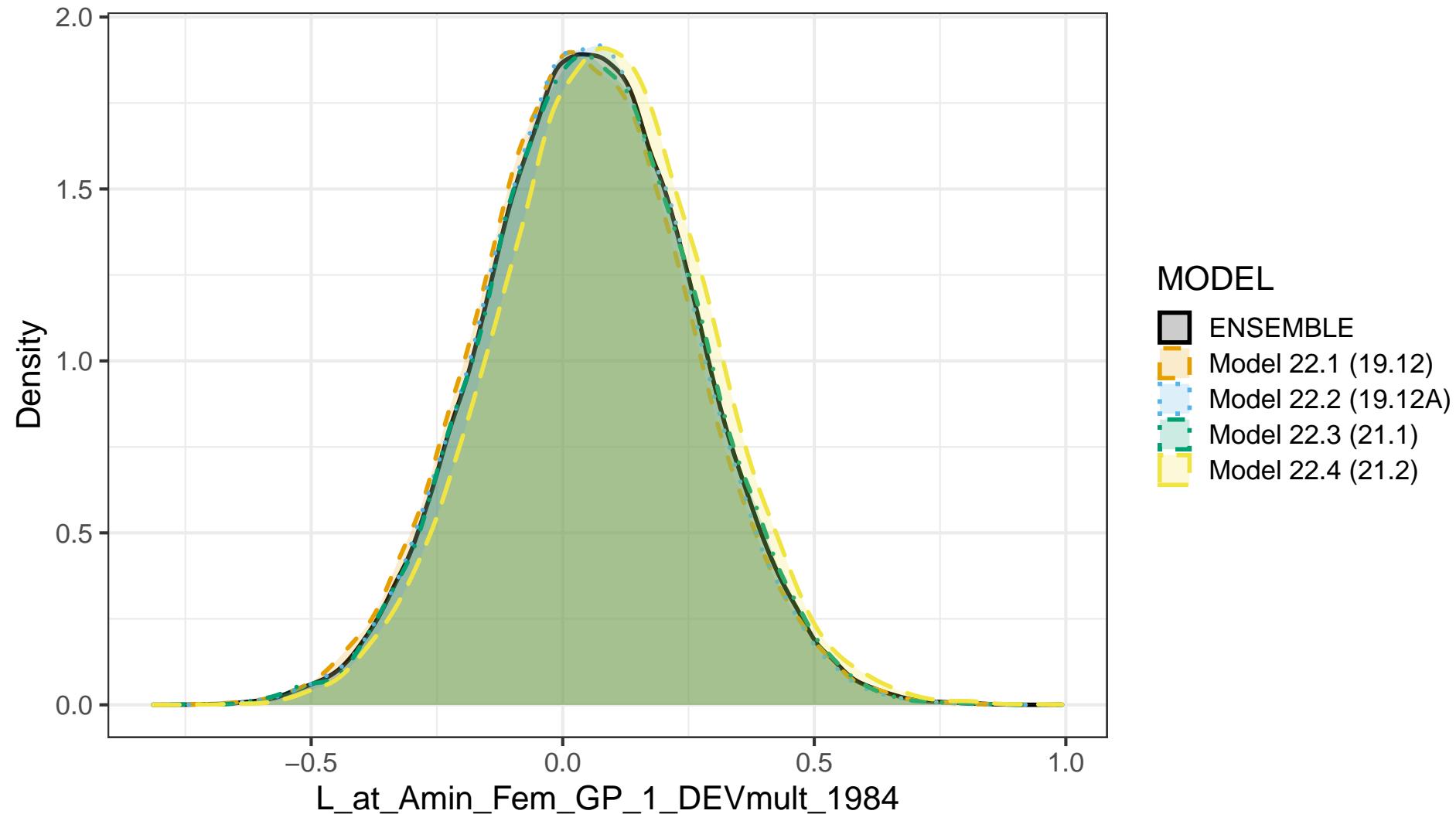
L_at_Amin_Fem_GP_1_DEVmult_1982



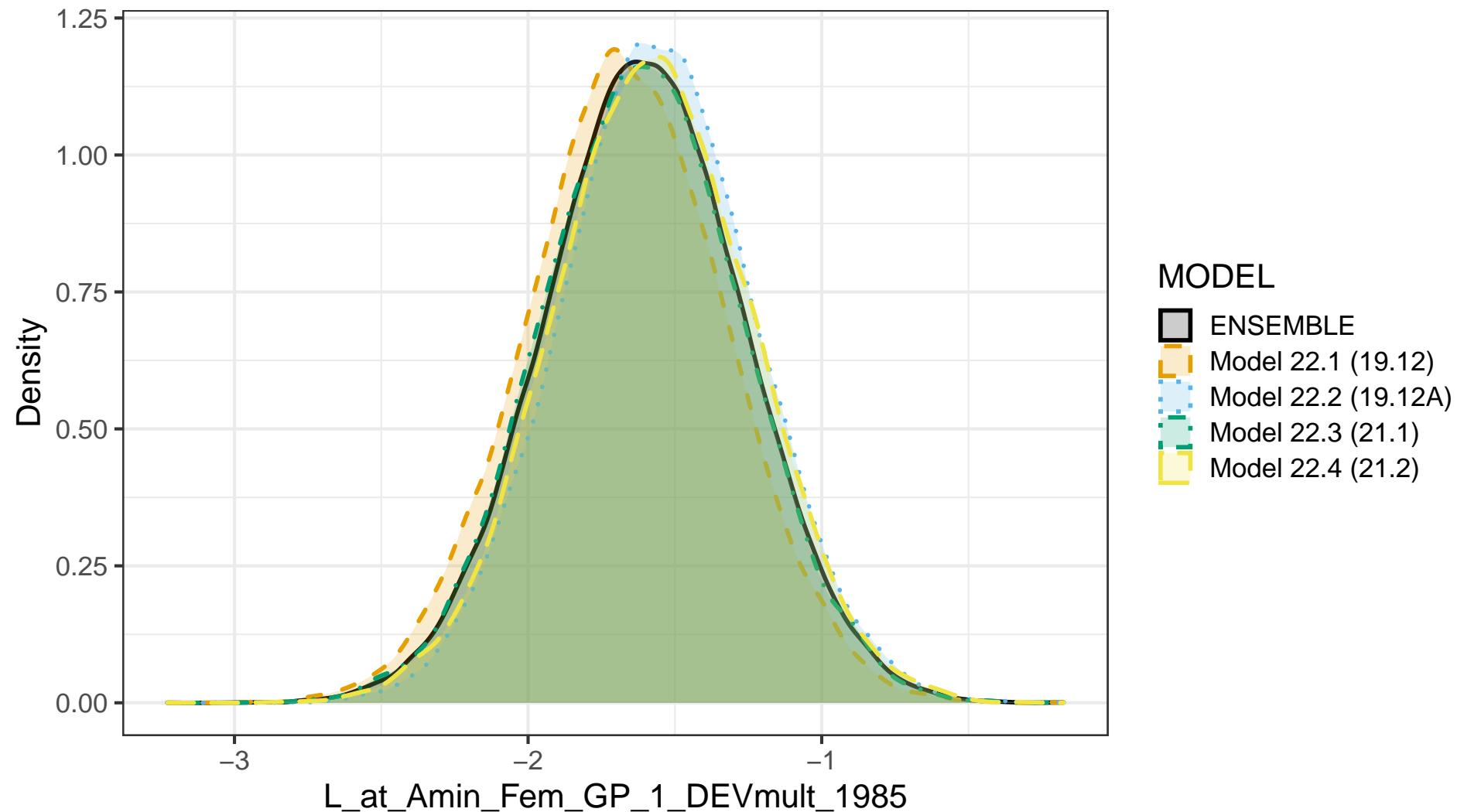
L_at_Amin_Fem_GP_1_DEVmult_1983



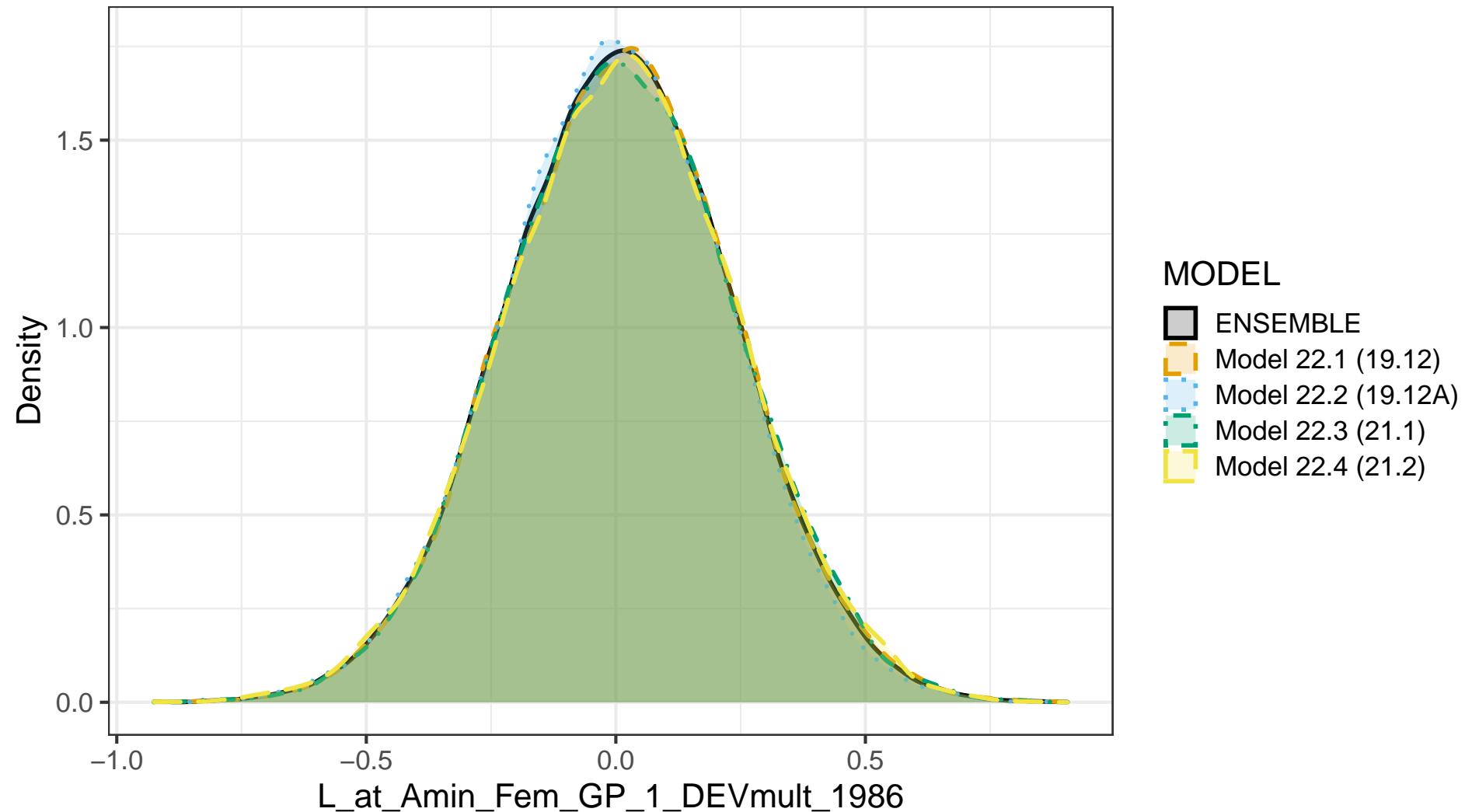
L_at_Amin_Fem_GP_1_DEVmult_1984



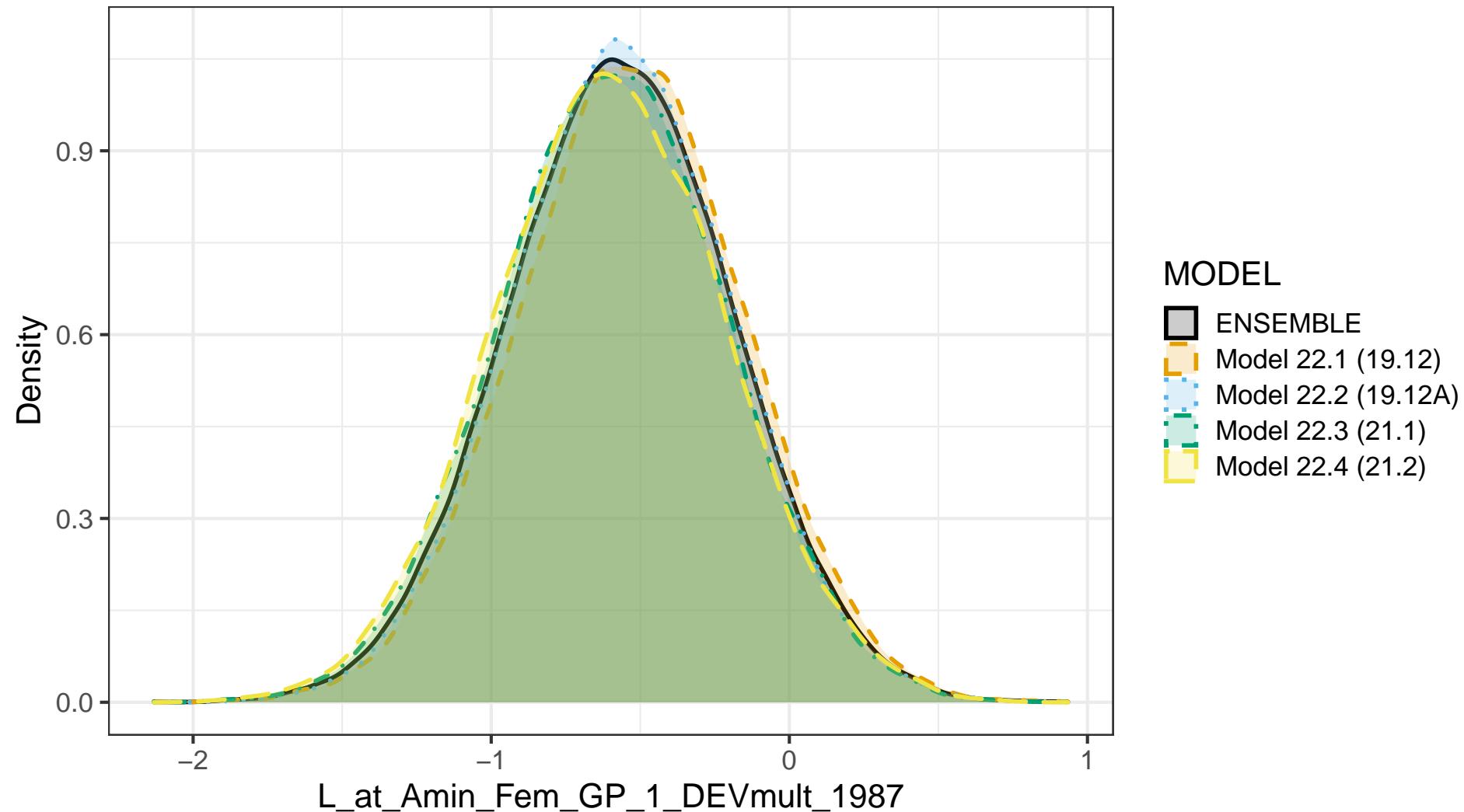
L_at_Amin_Fem_GP_1_DEVmult_1985



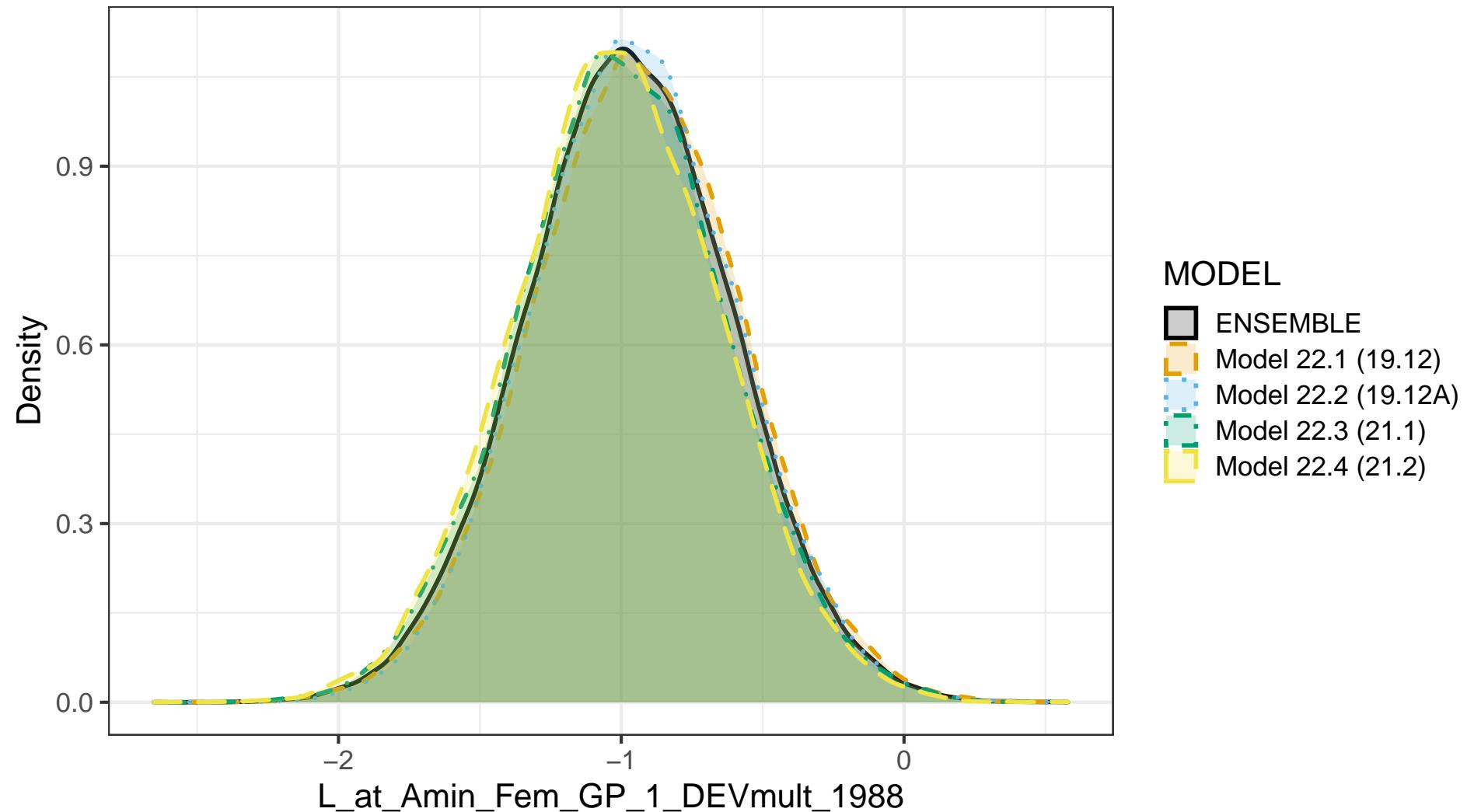
L_at_Amin_Fem_GP_1_DEVmult_1986



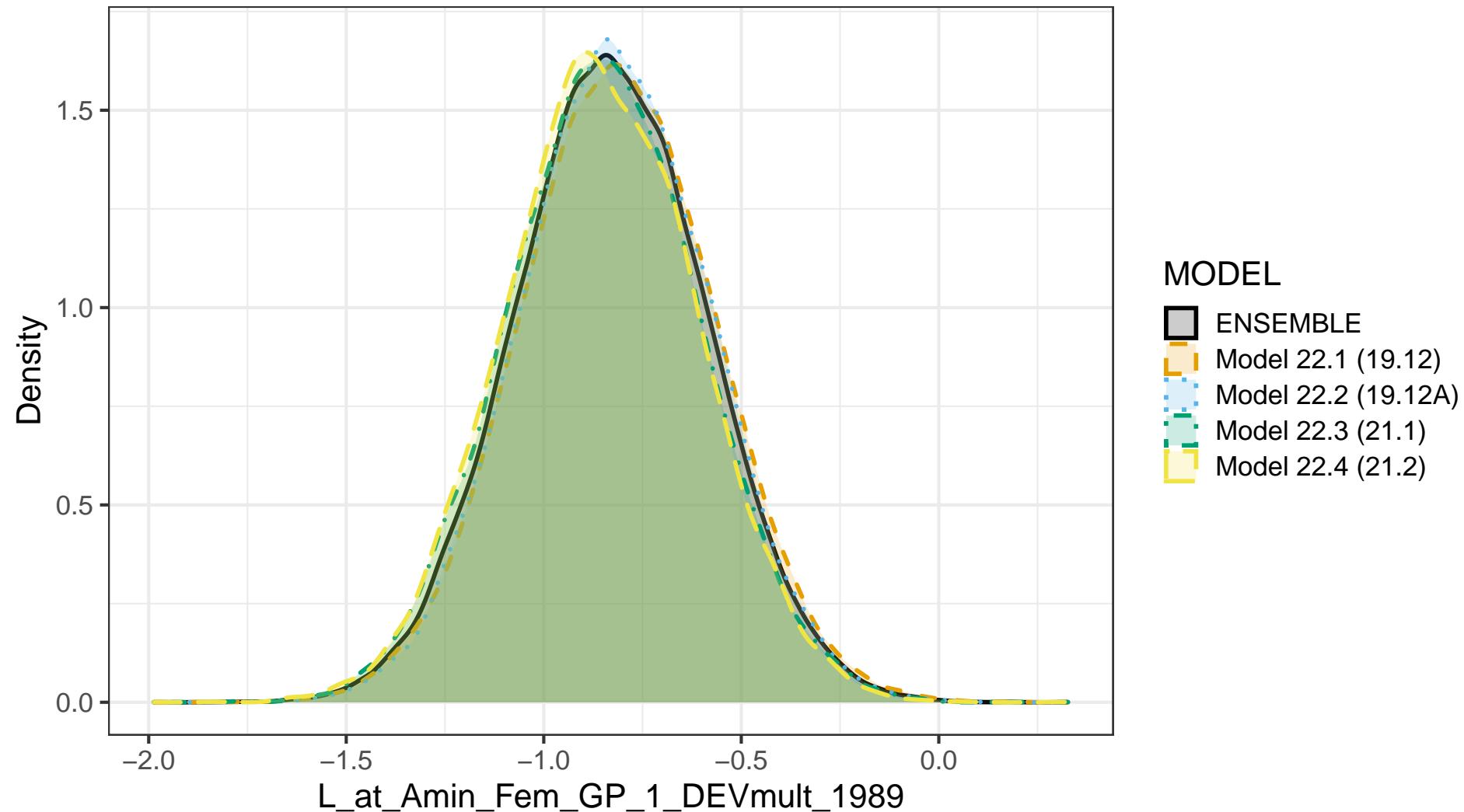
L_at_Amin_Fem_GP_1_DEVmult_1987



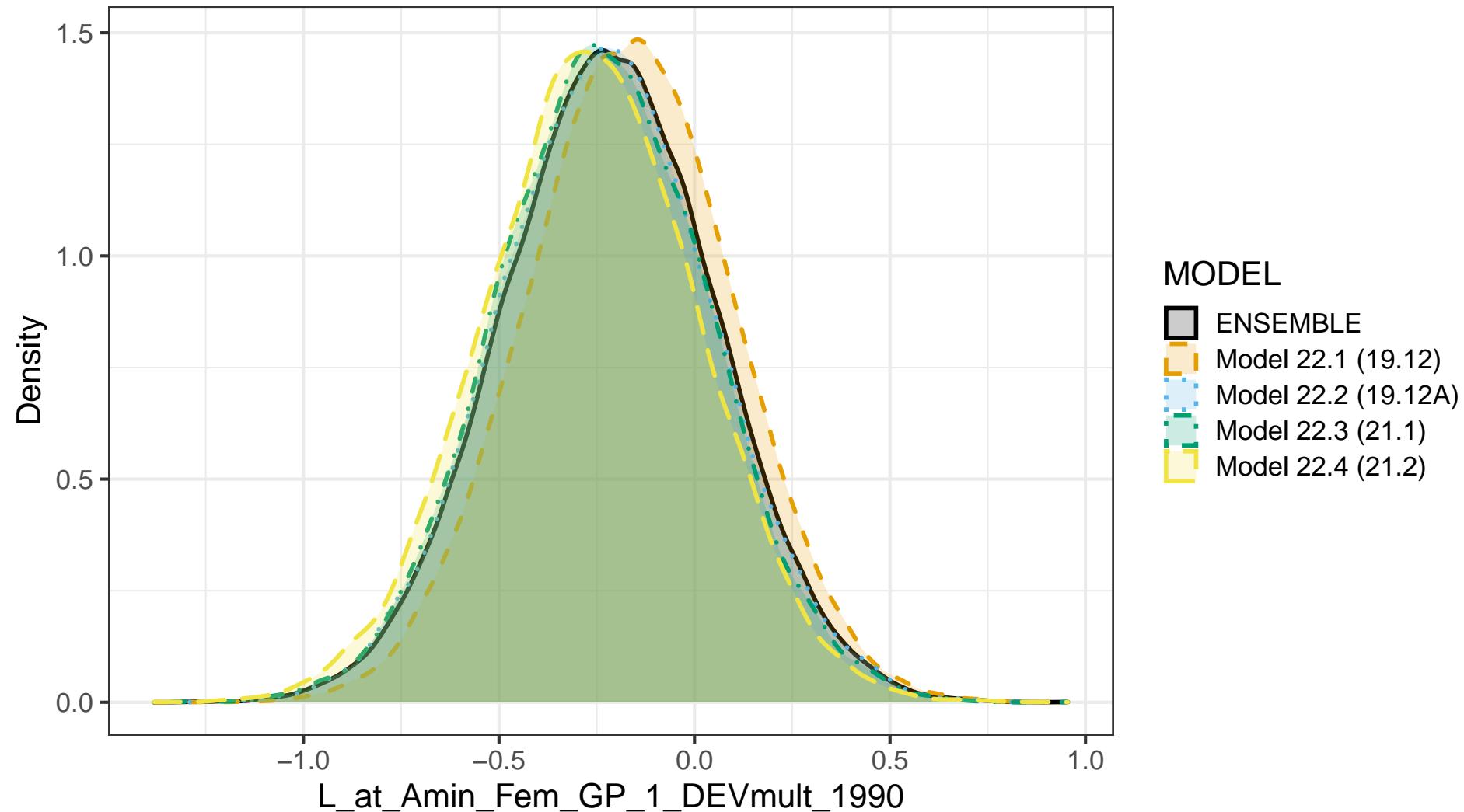
L_at_Amin_Fem_GP_1_DEVmult_1988



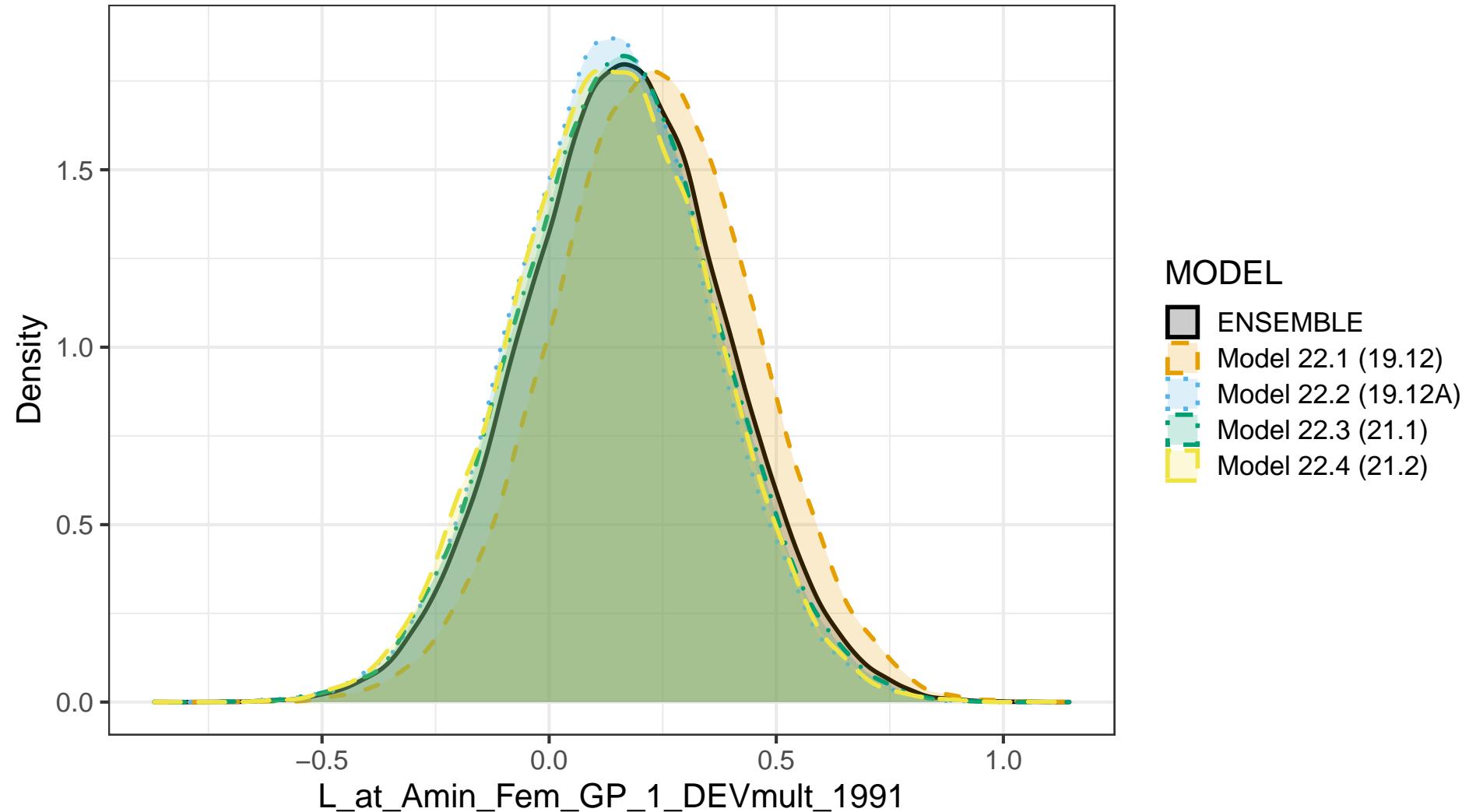
L_at_Amin_Fem_GP_1_DEVmult_1989



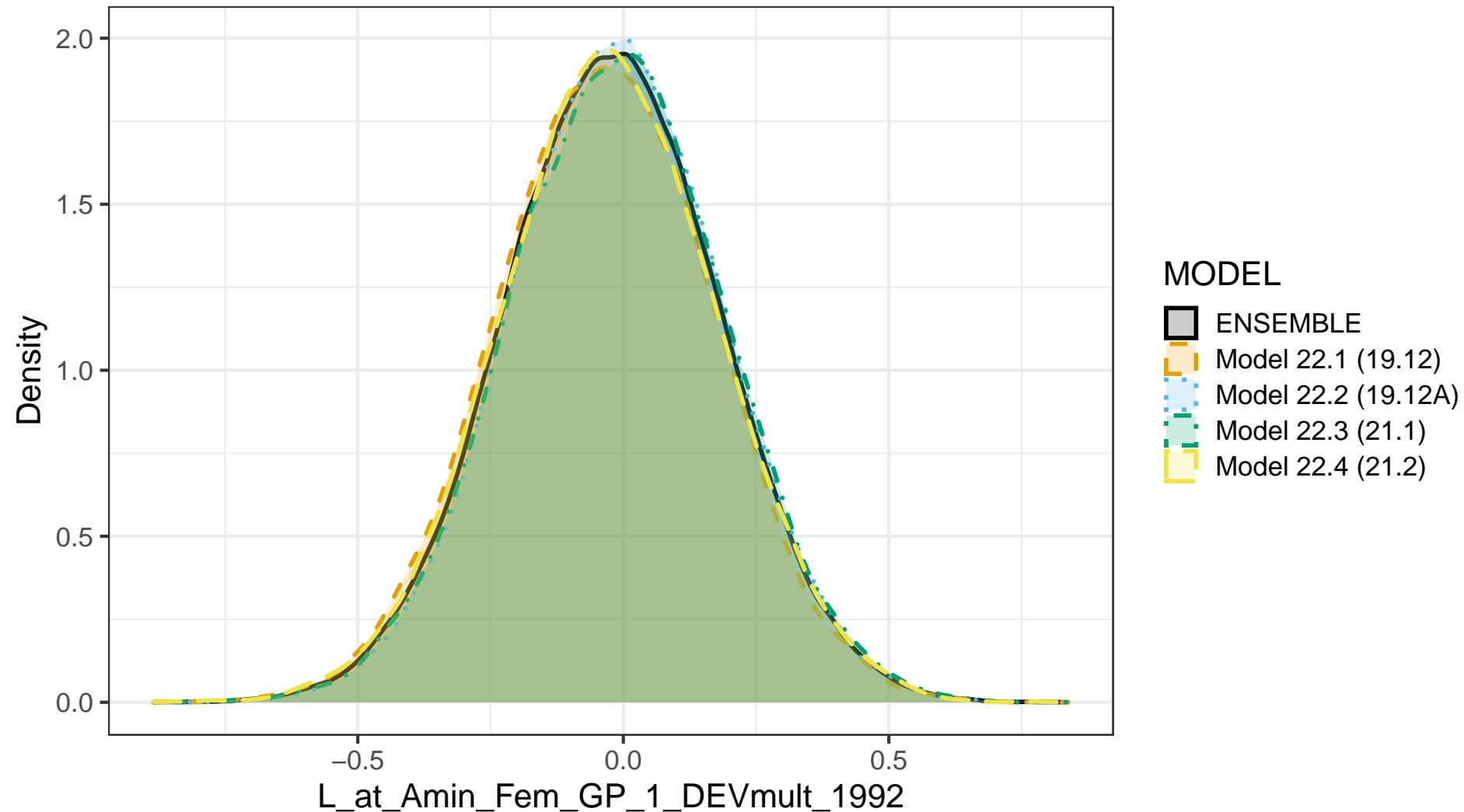
L_at_Amin_Fem_GP_1_DEVmult_1990



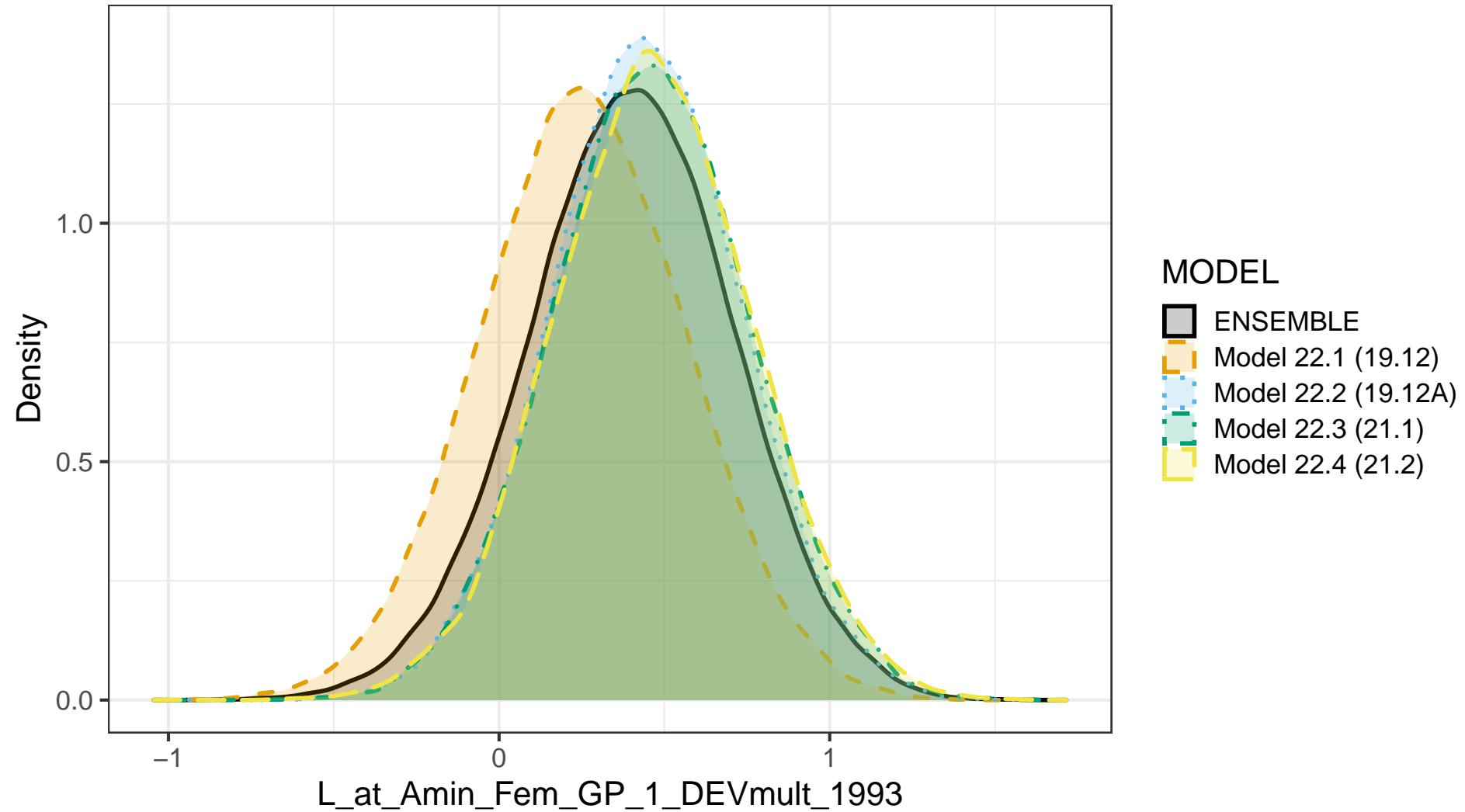
L_at_Amin_Fem_GP_1_DEVmult_1991



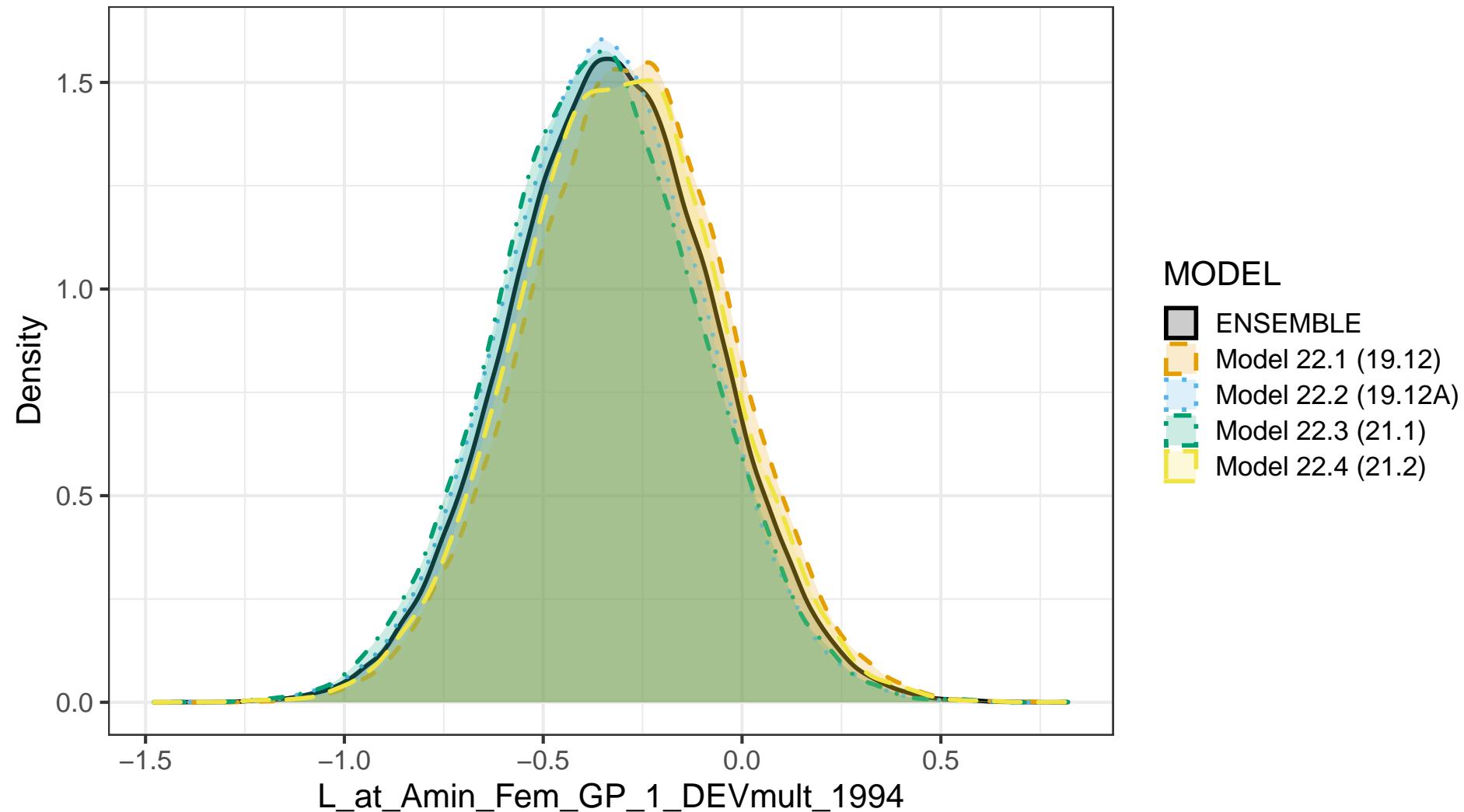
L_at_Amin_Fem_GP_1_DEVmult_1992



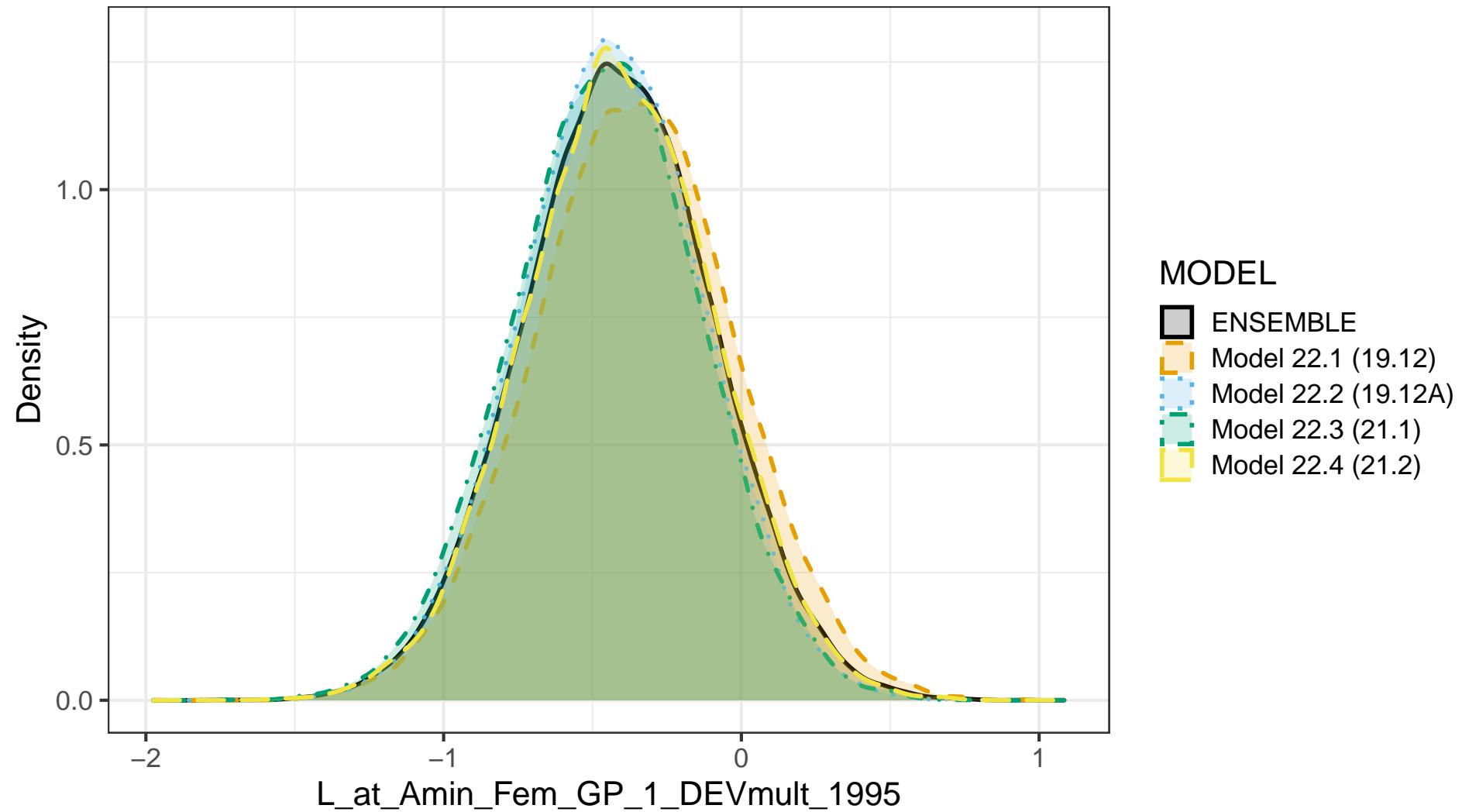
L_at_Amin_Fem_GP_1_DEVmult_1993



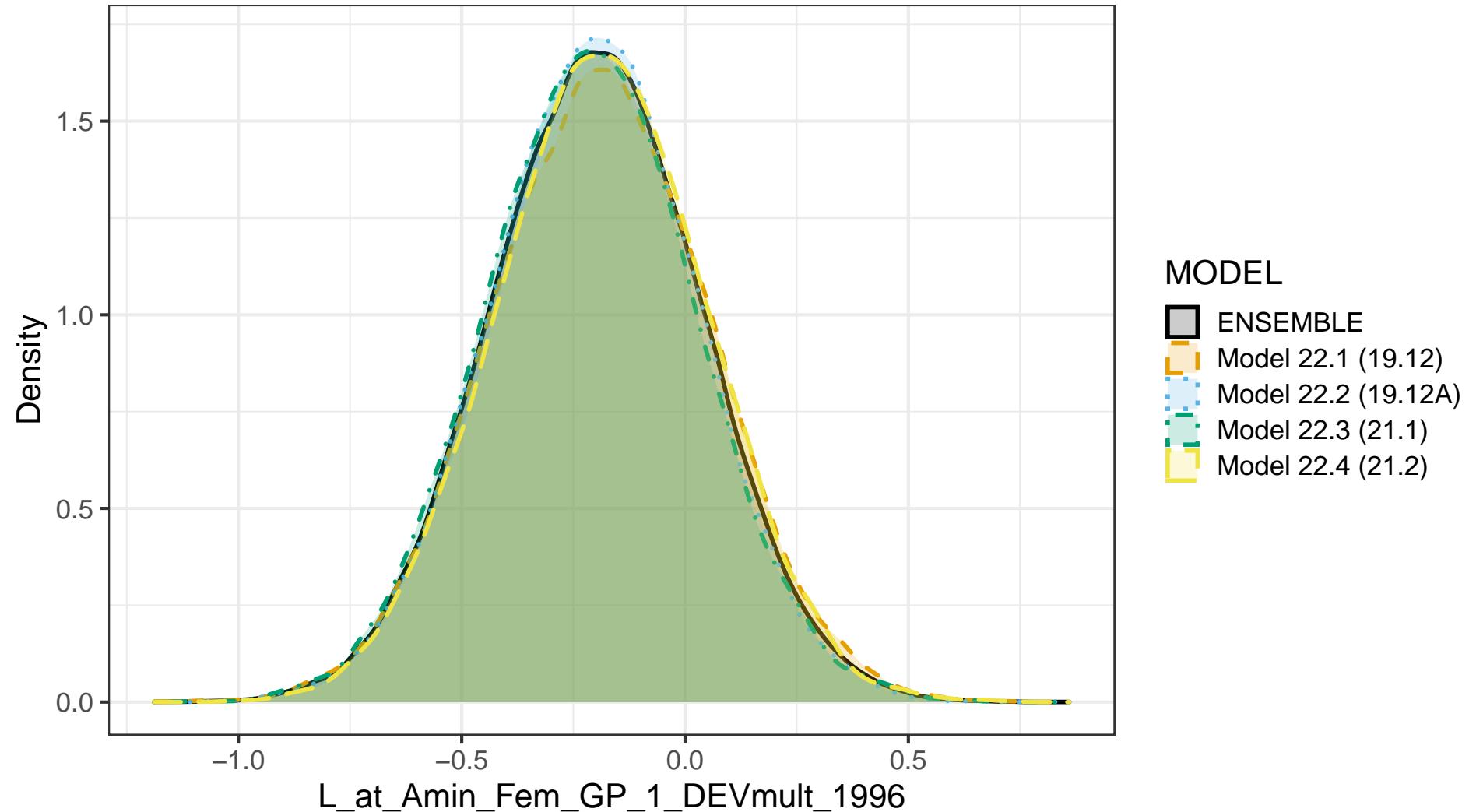
L_at_Amin_Fem_GP_1_DEVmult_1994



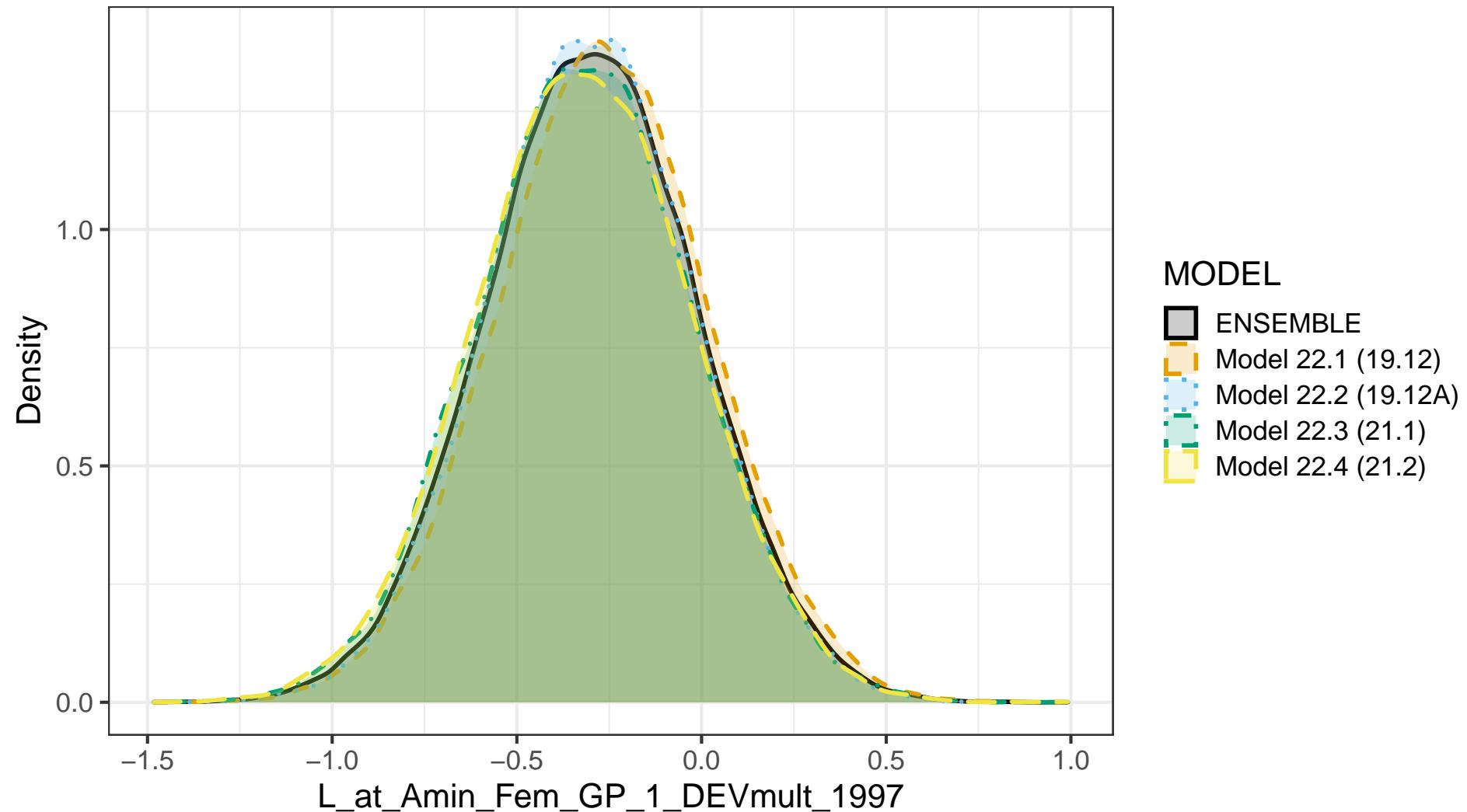
L_at_Amin_Fem_GP_1_DEVmult_1995



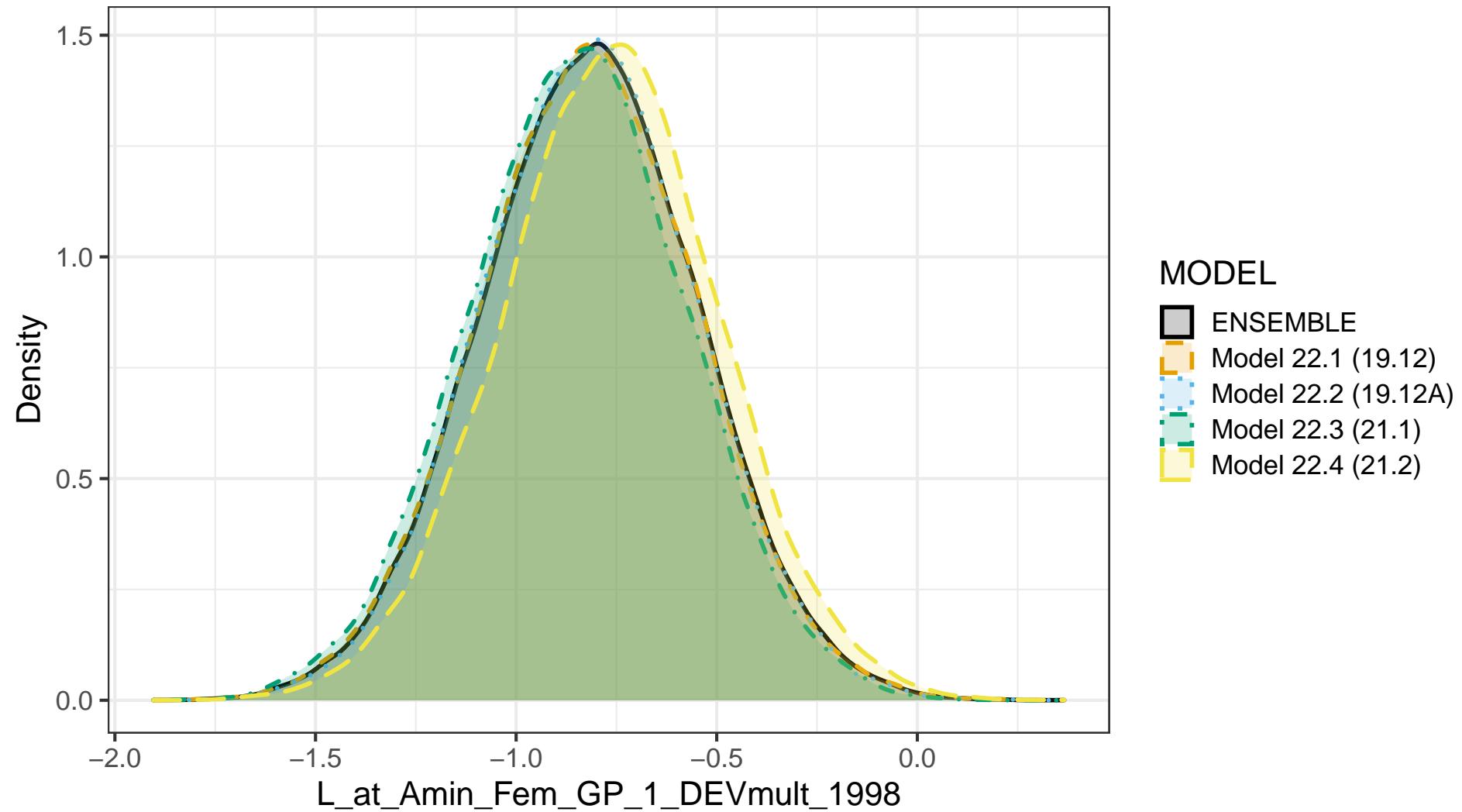
L_at_Amin_Fem_GP_1_DEVmult_1996



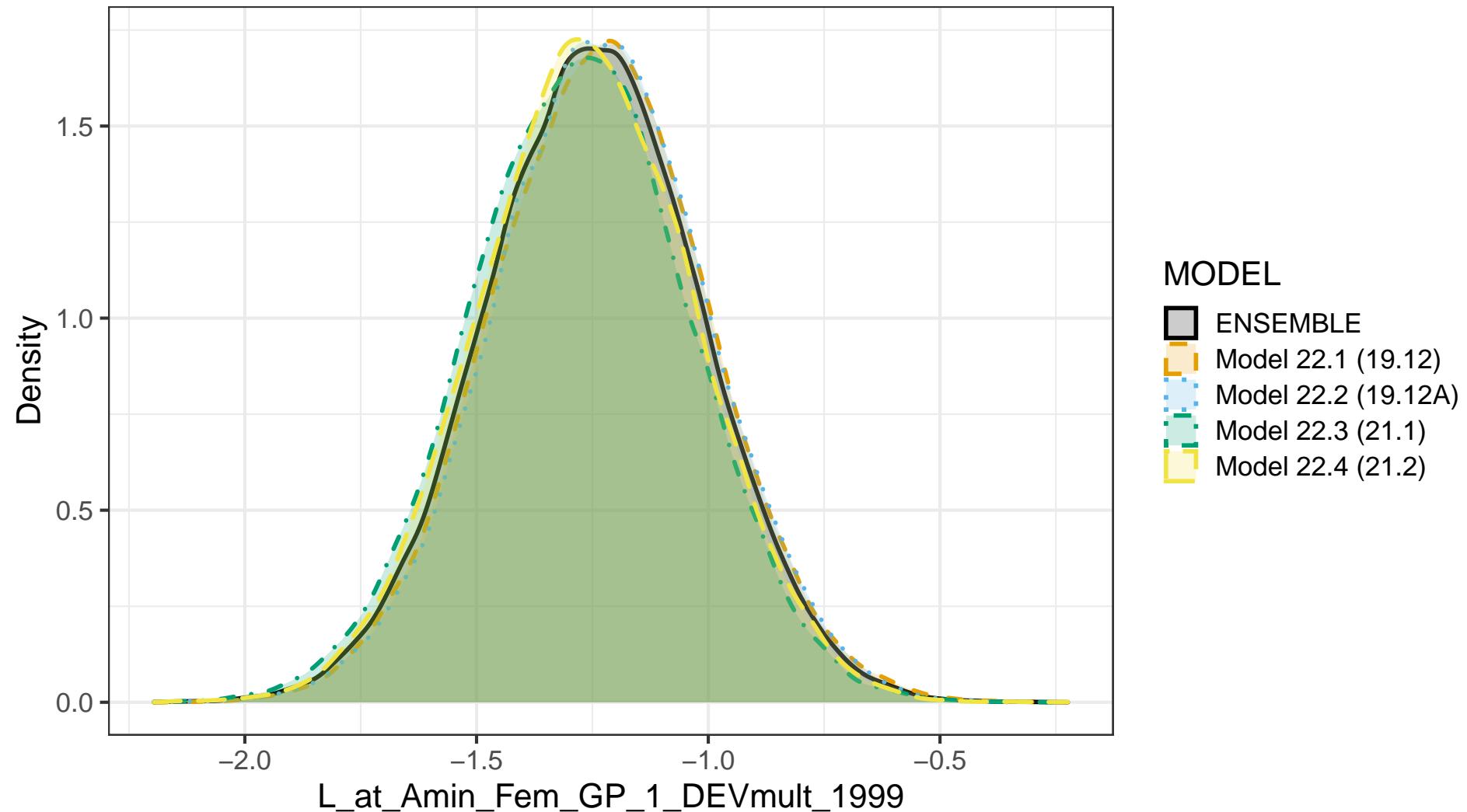
L_at_Amin_Fem_GP_1_DEVmult_1997



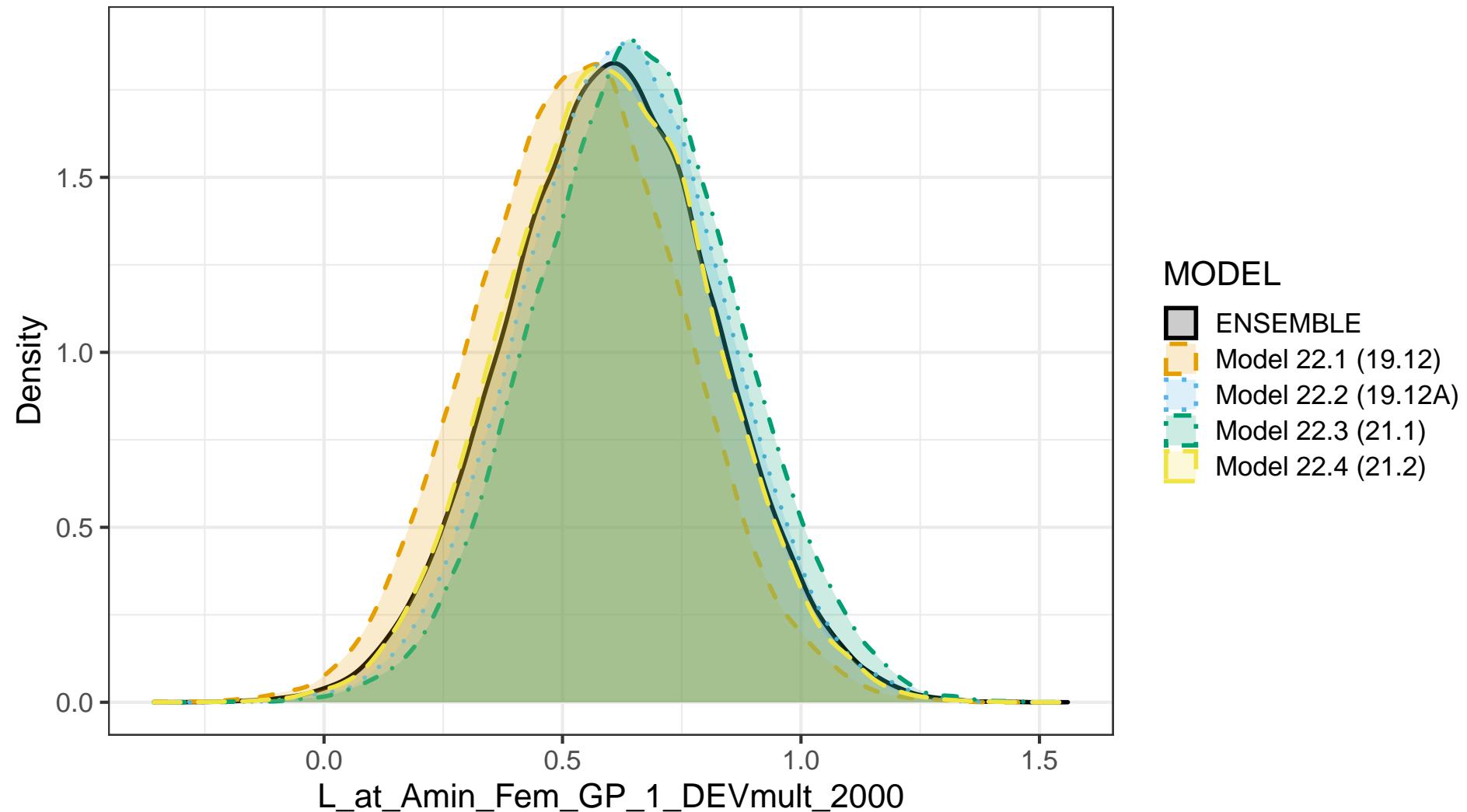
L_at_Amin_Fem_GP_1_DEVmult_1998



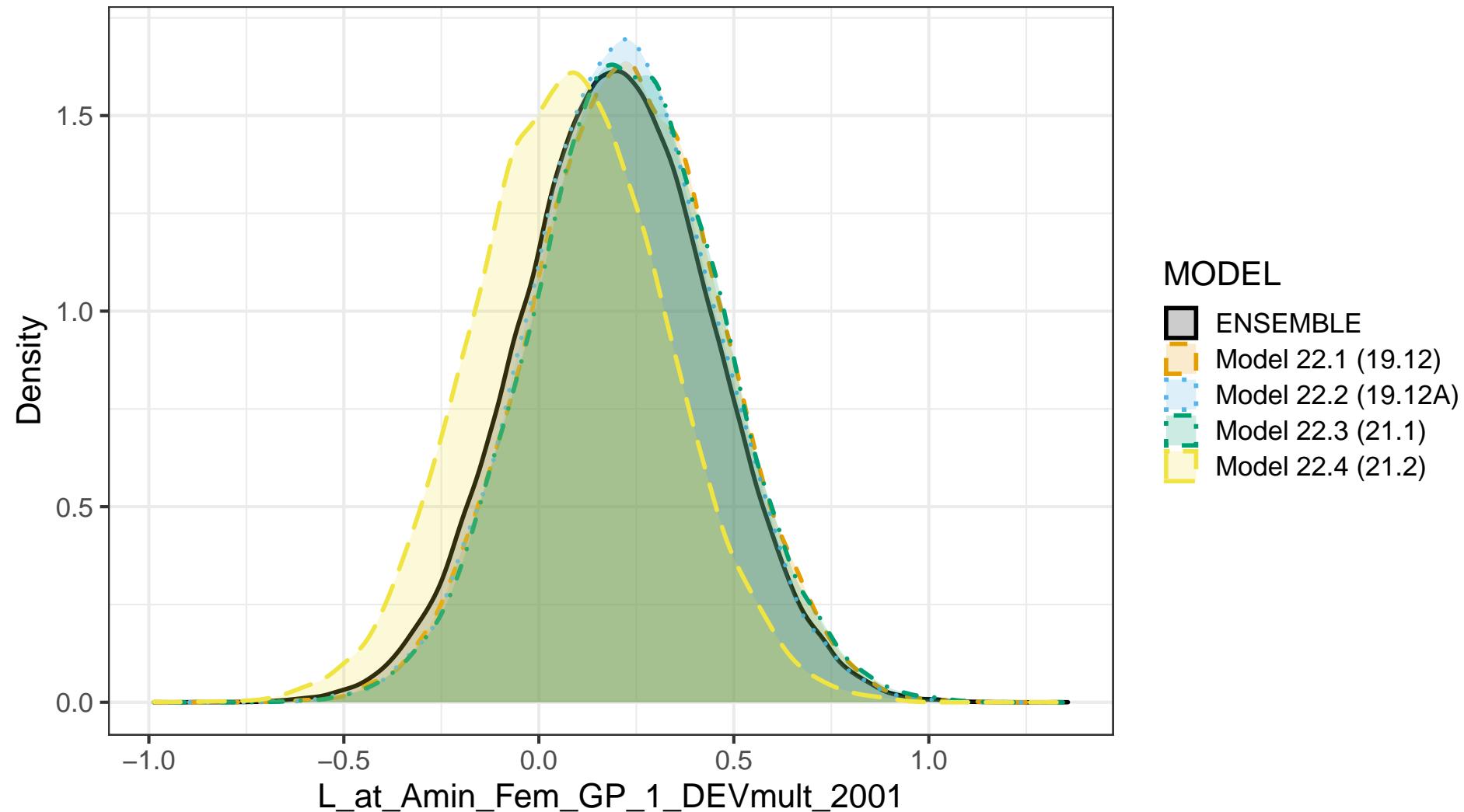
L_at_Amin_Fem_GP_1_DEVmult_1999



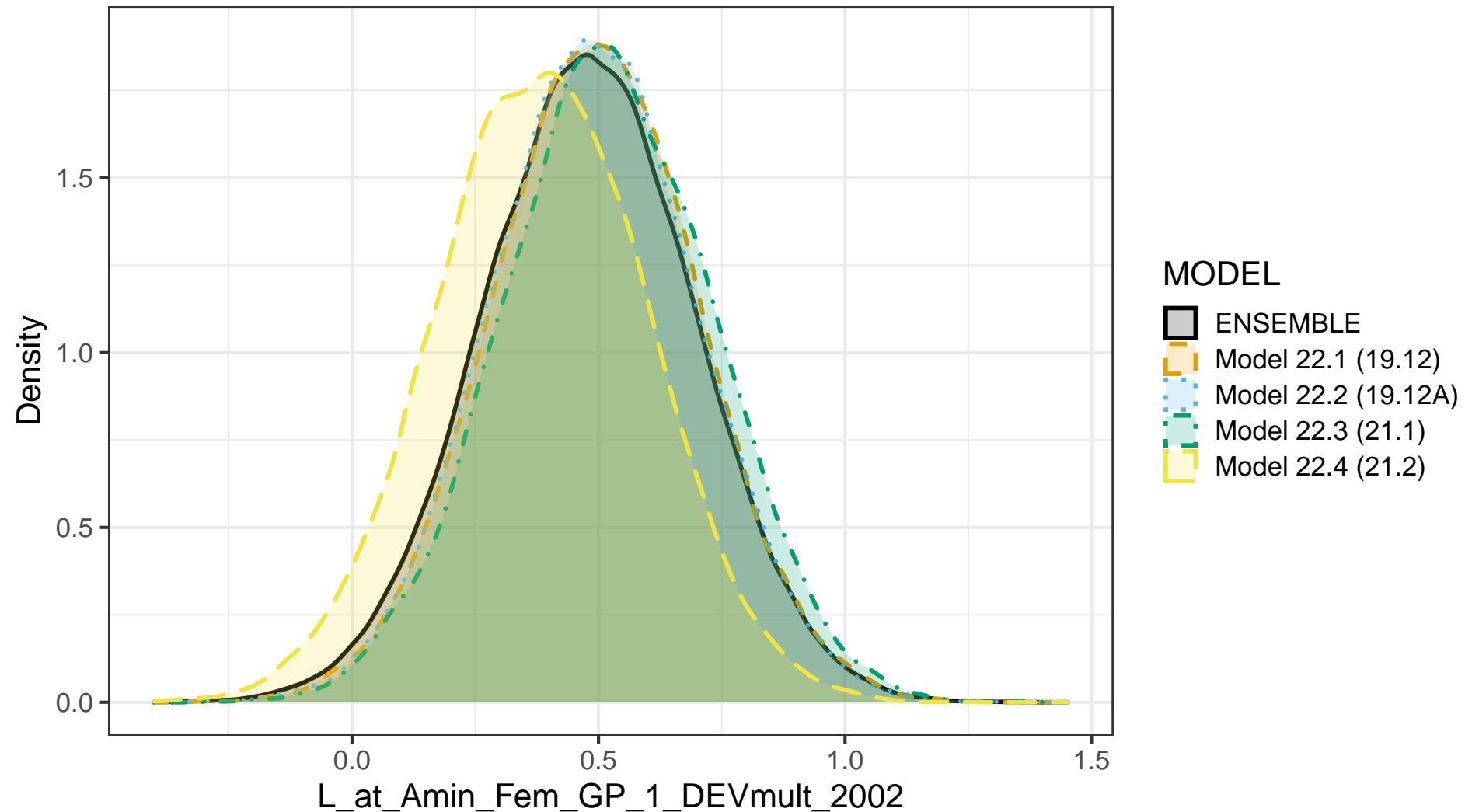
L_at_Amin_Fem_GP_1_DEVmult_2000



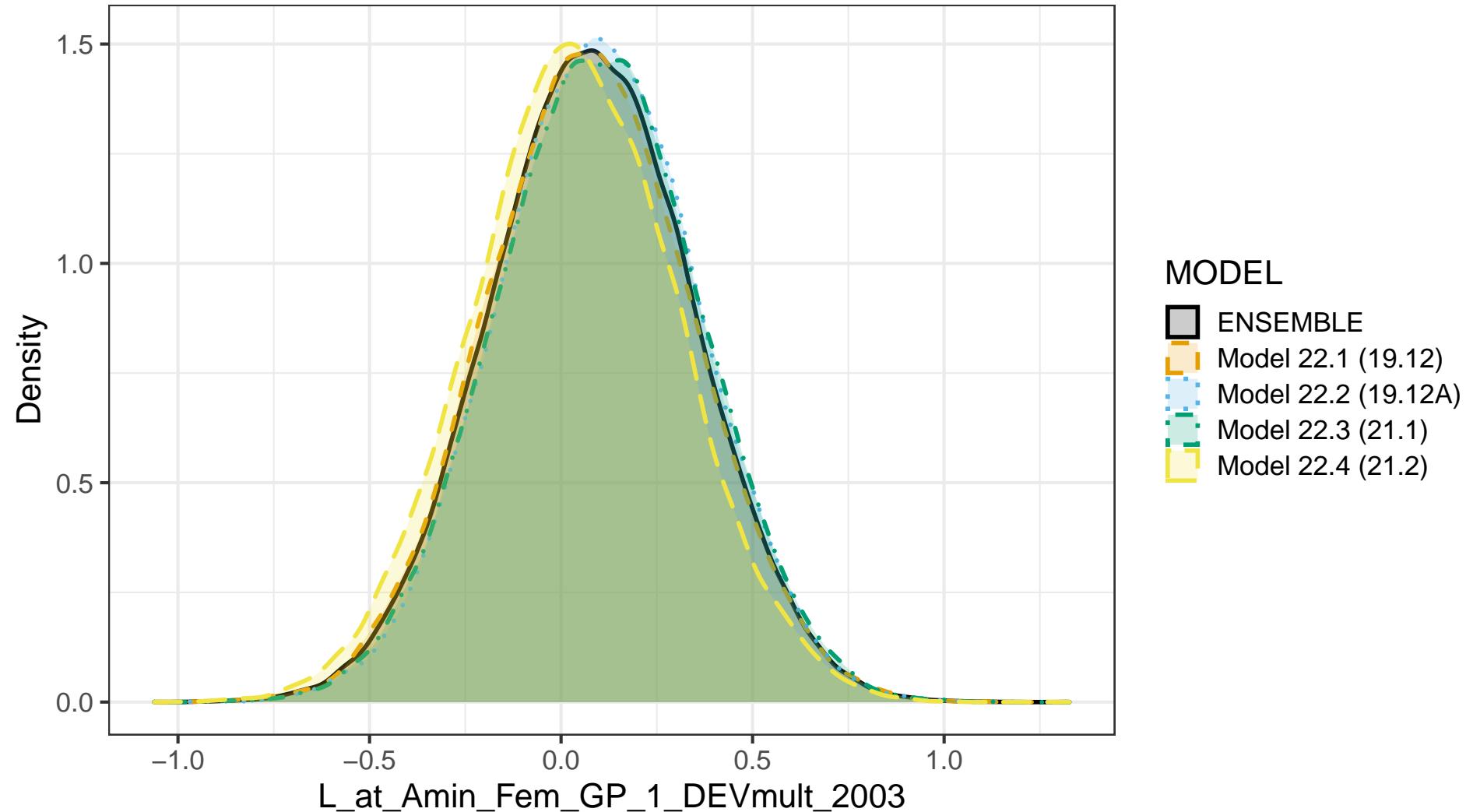
L_at_Amin_Fem_GP_1_DEVmult_2001



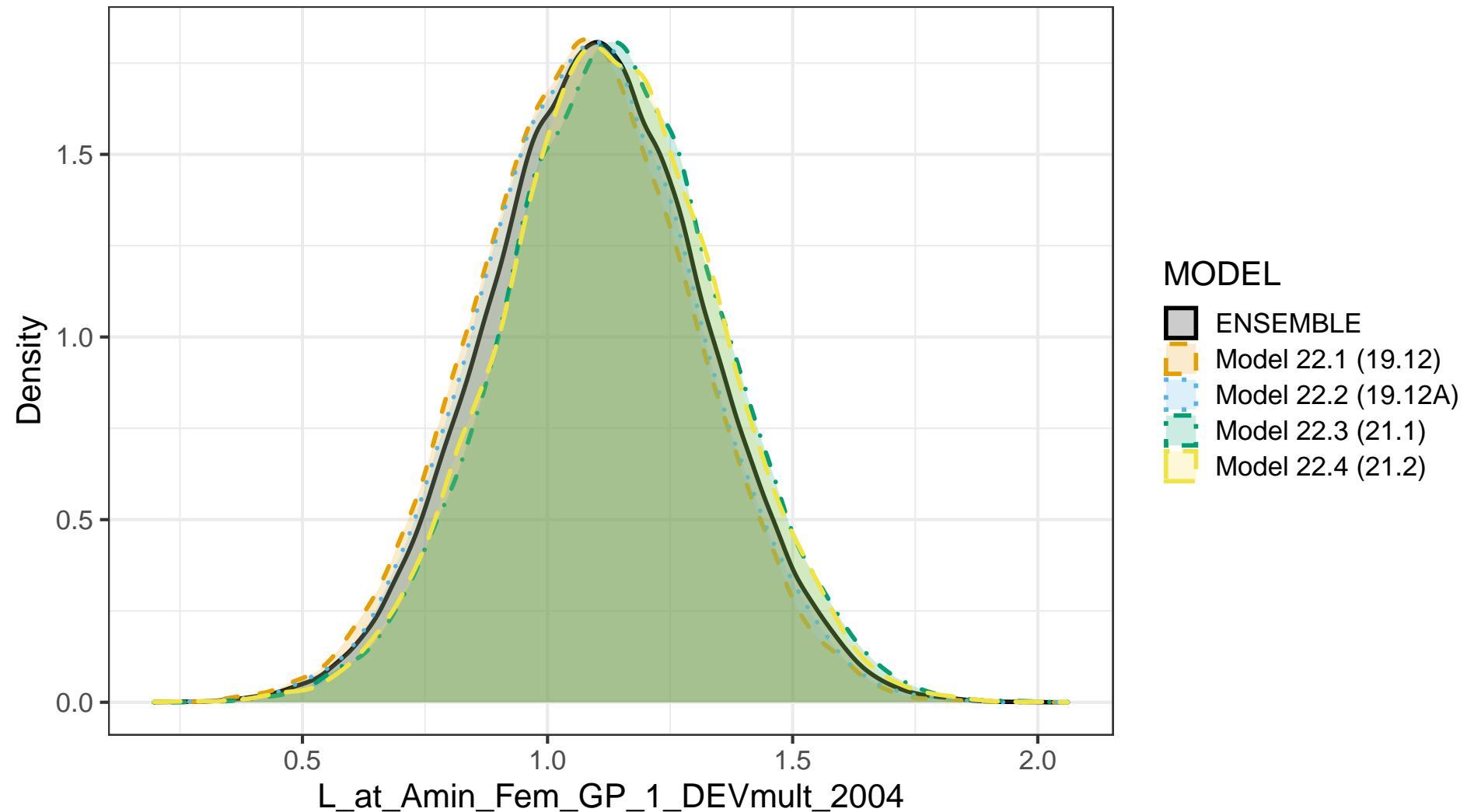
L_at_Amin_Fem_GP_1_DEVmult_2002



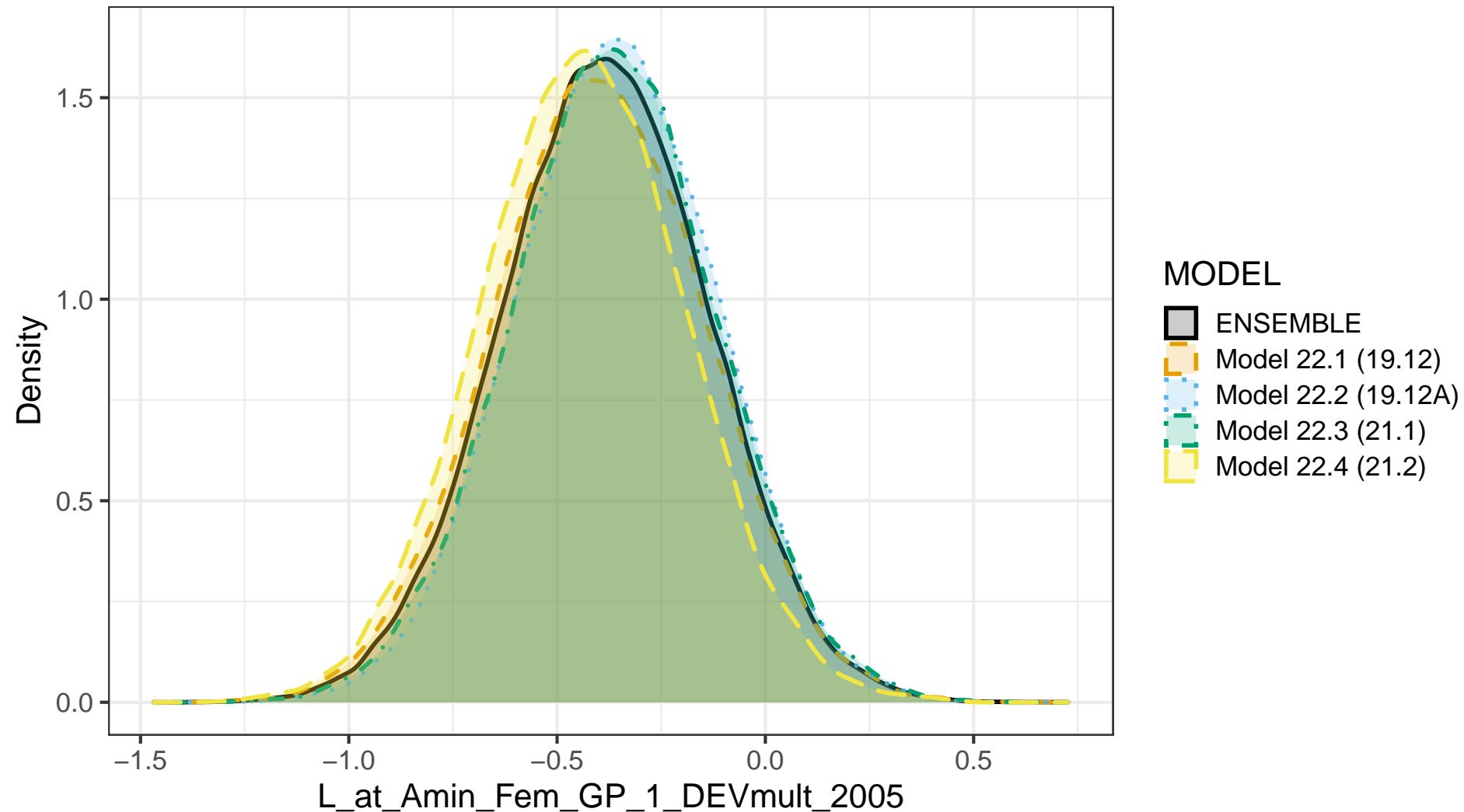
L_at_Amin_Fem_GP_1_DEVmult_2003



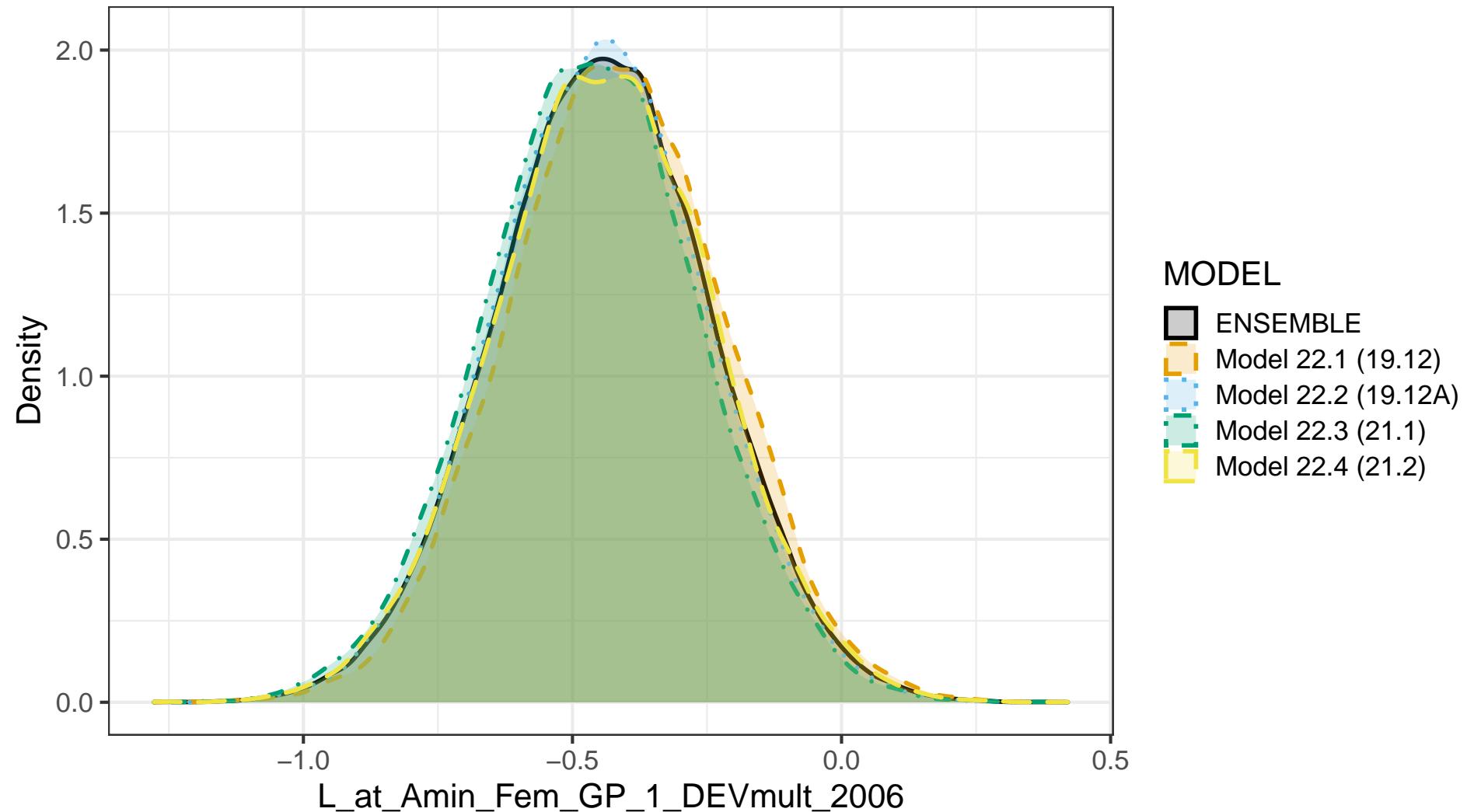
L_at_Amin_Fem_GP_1_DEVmult_2004



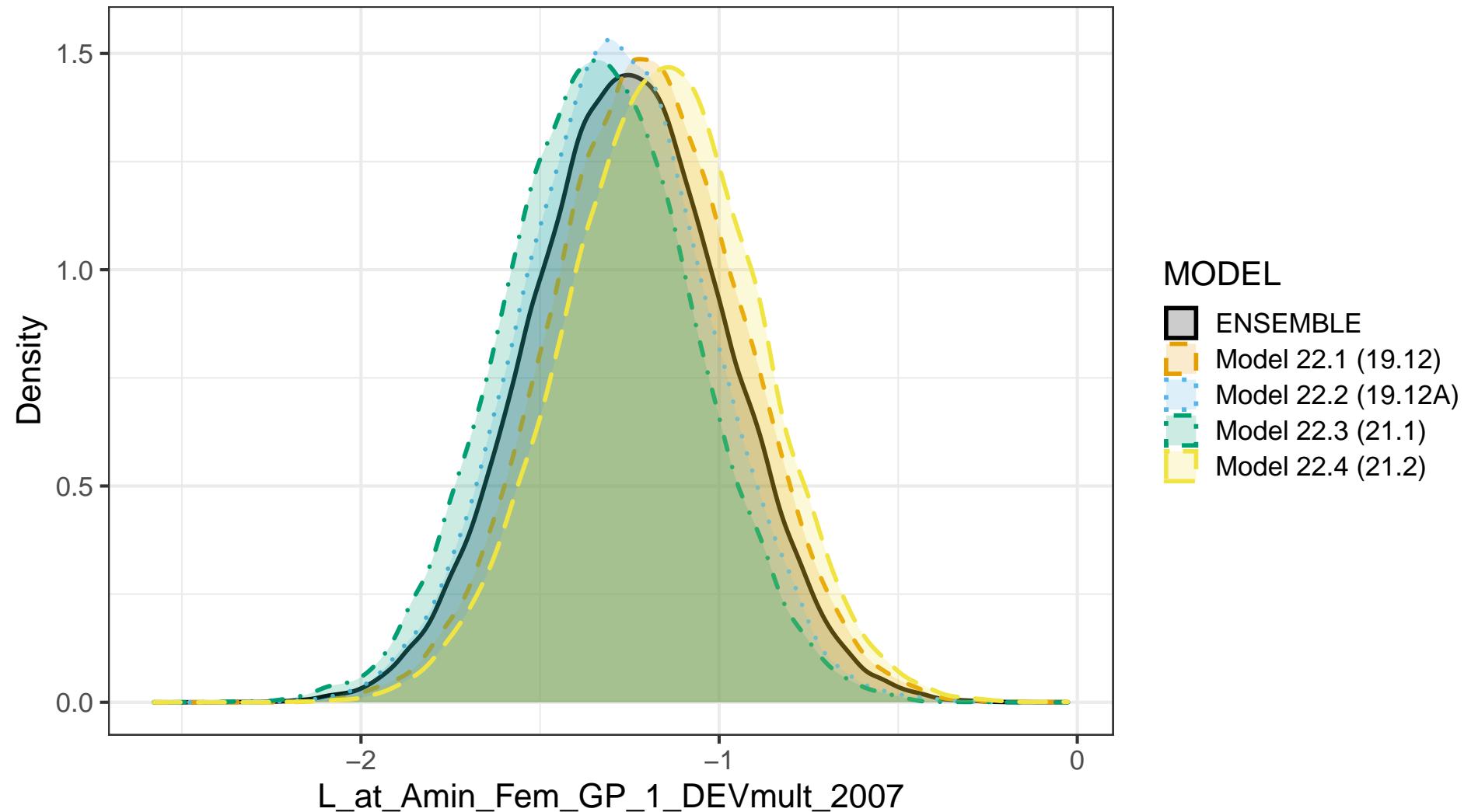
L_at_Amin_Fem_GP_1_DEVmult_2005



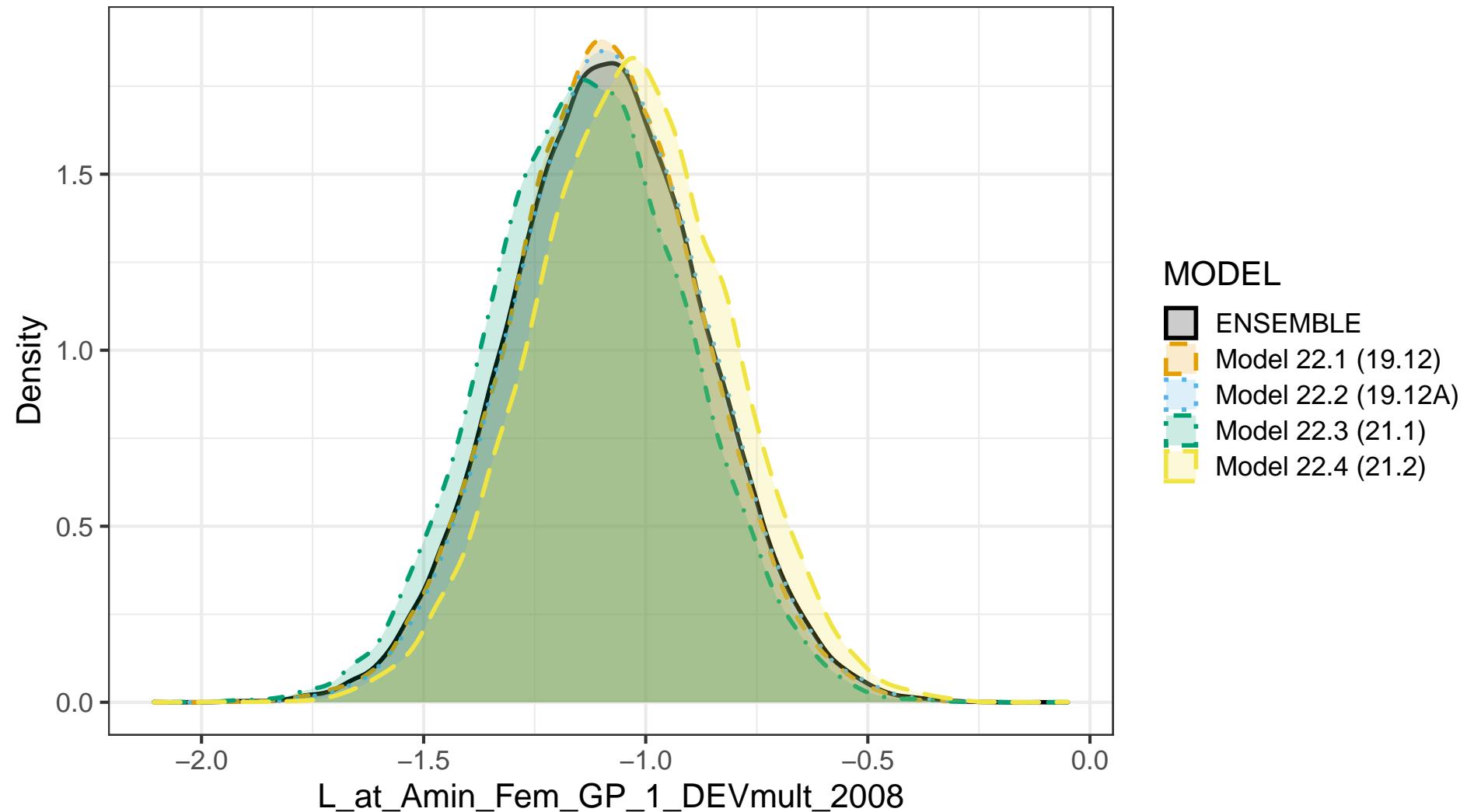
L_at_Amin_Fem_GP_1_DEVmult_2006



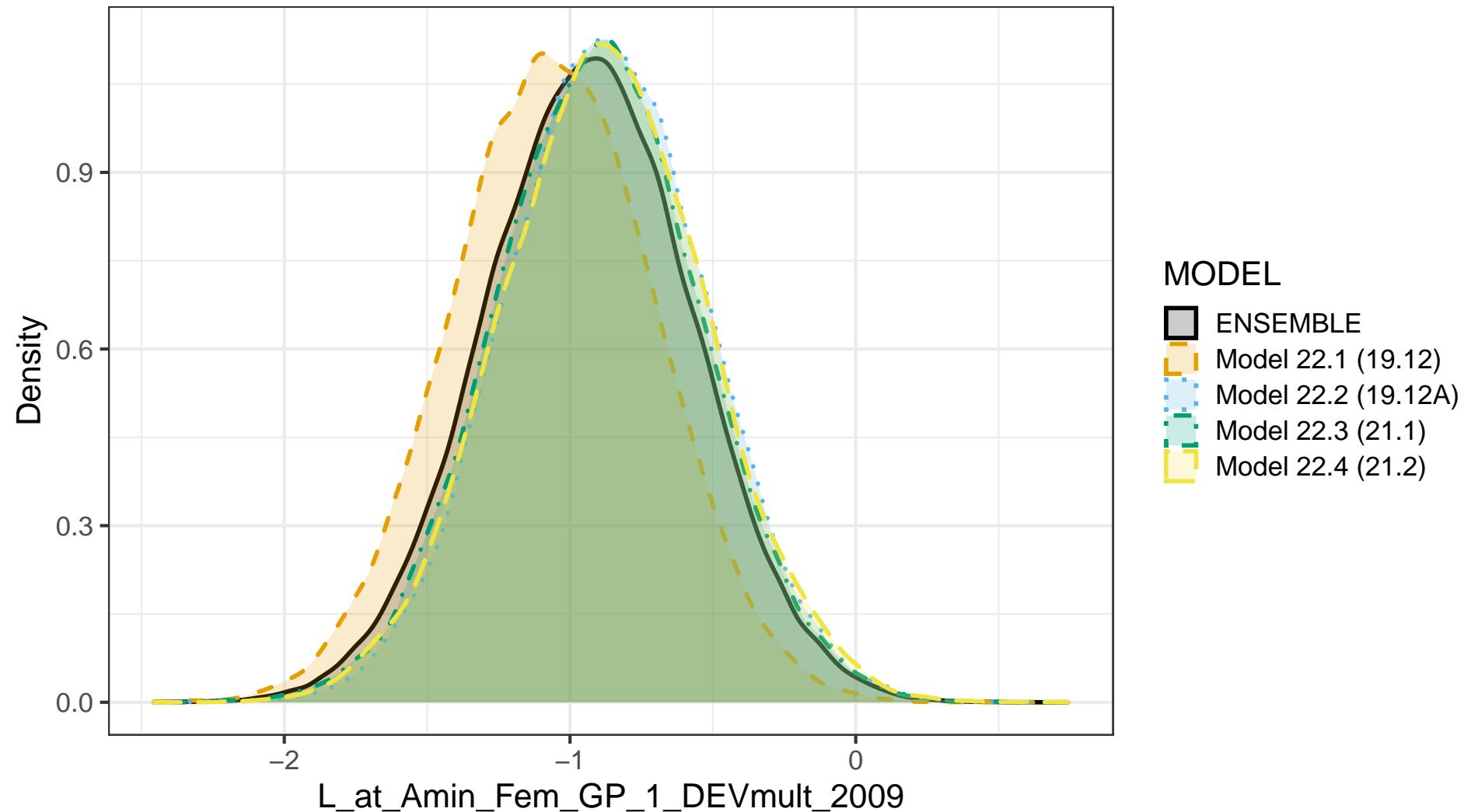
L_at_Amin_Fem_GP_1_DEVmult_2007



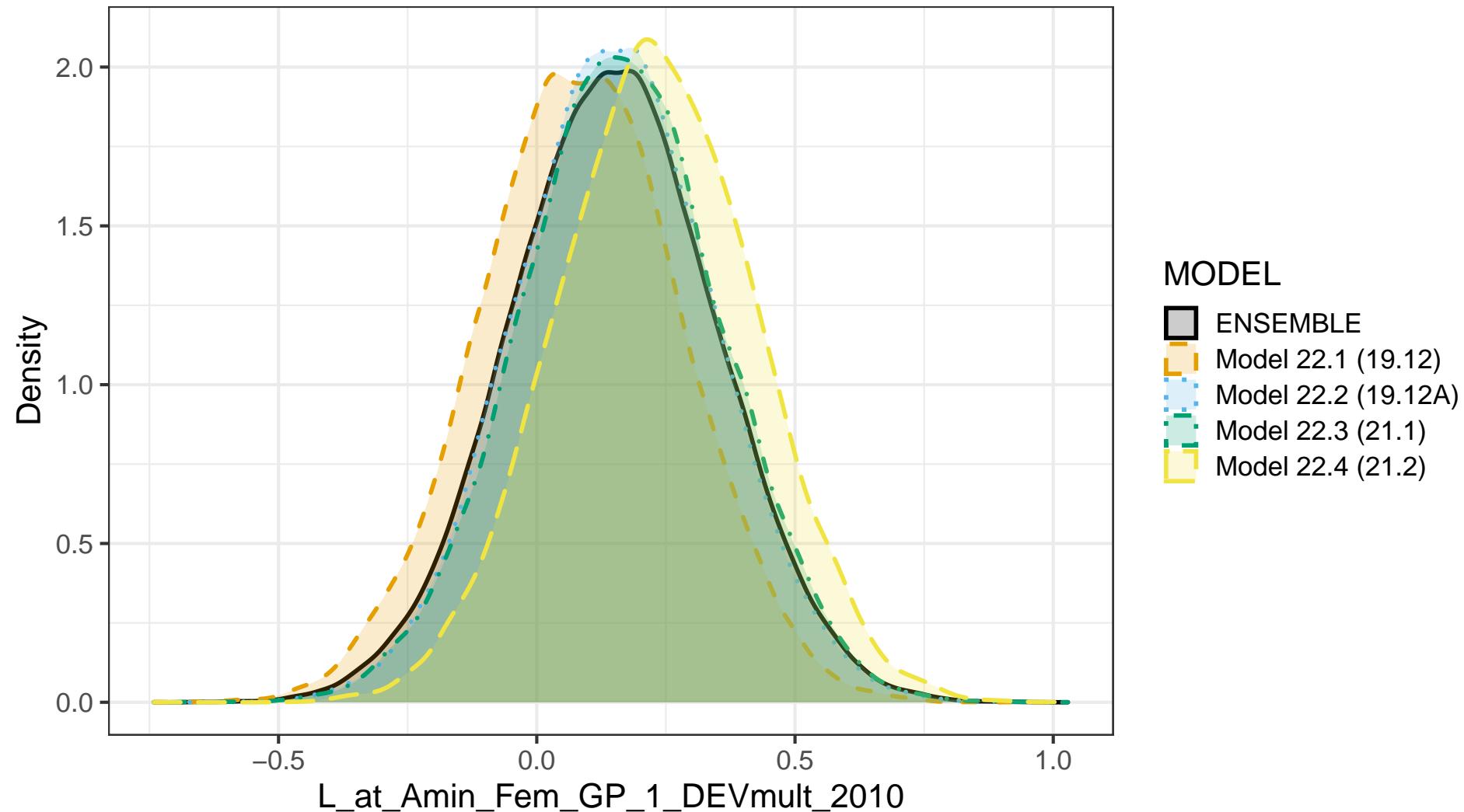
L_at_Amin_Fem_GP_1_DEVmult_2008



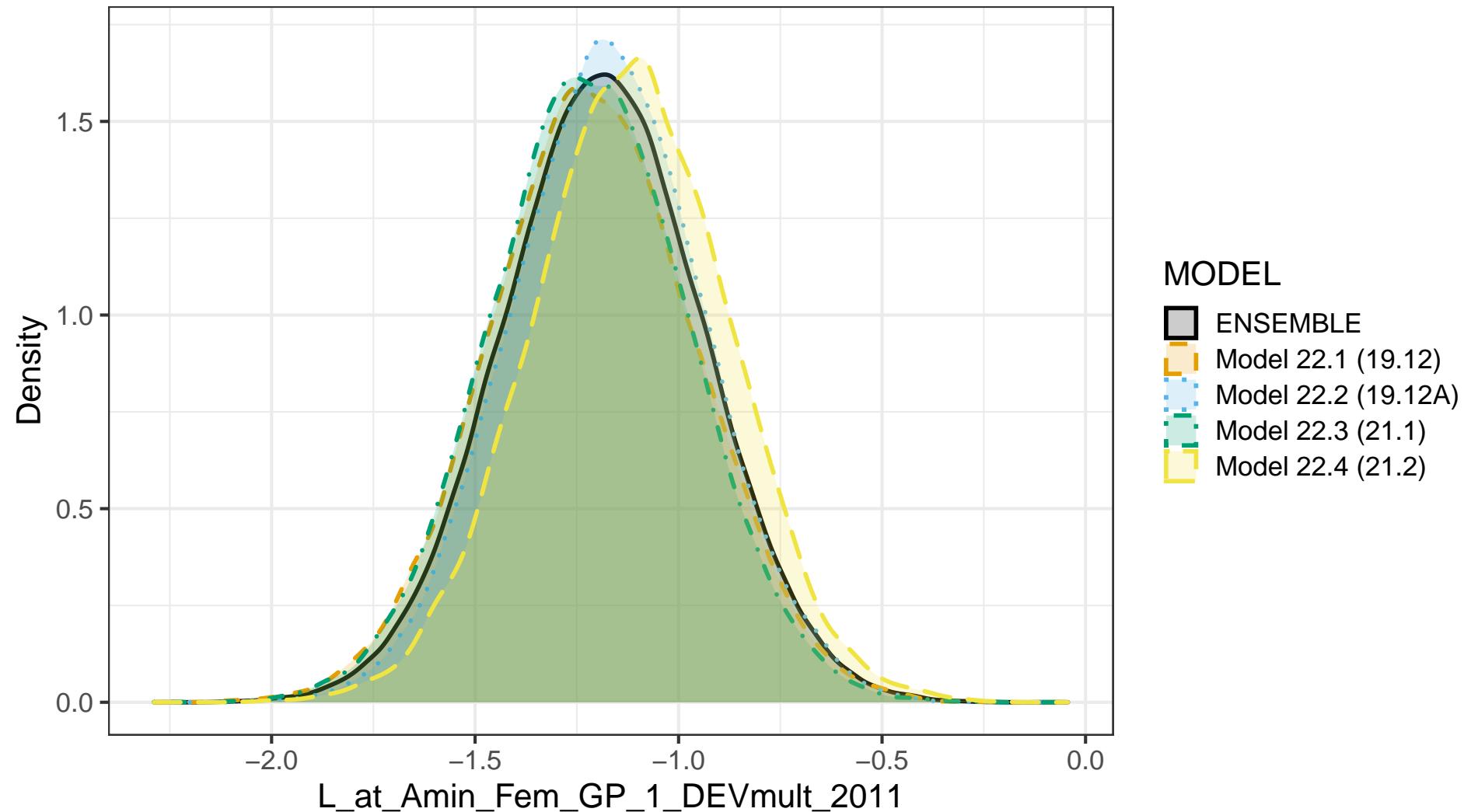
L_at_Amin_Fem_GP_1_DEVmult_2009



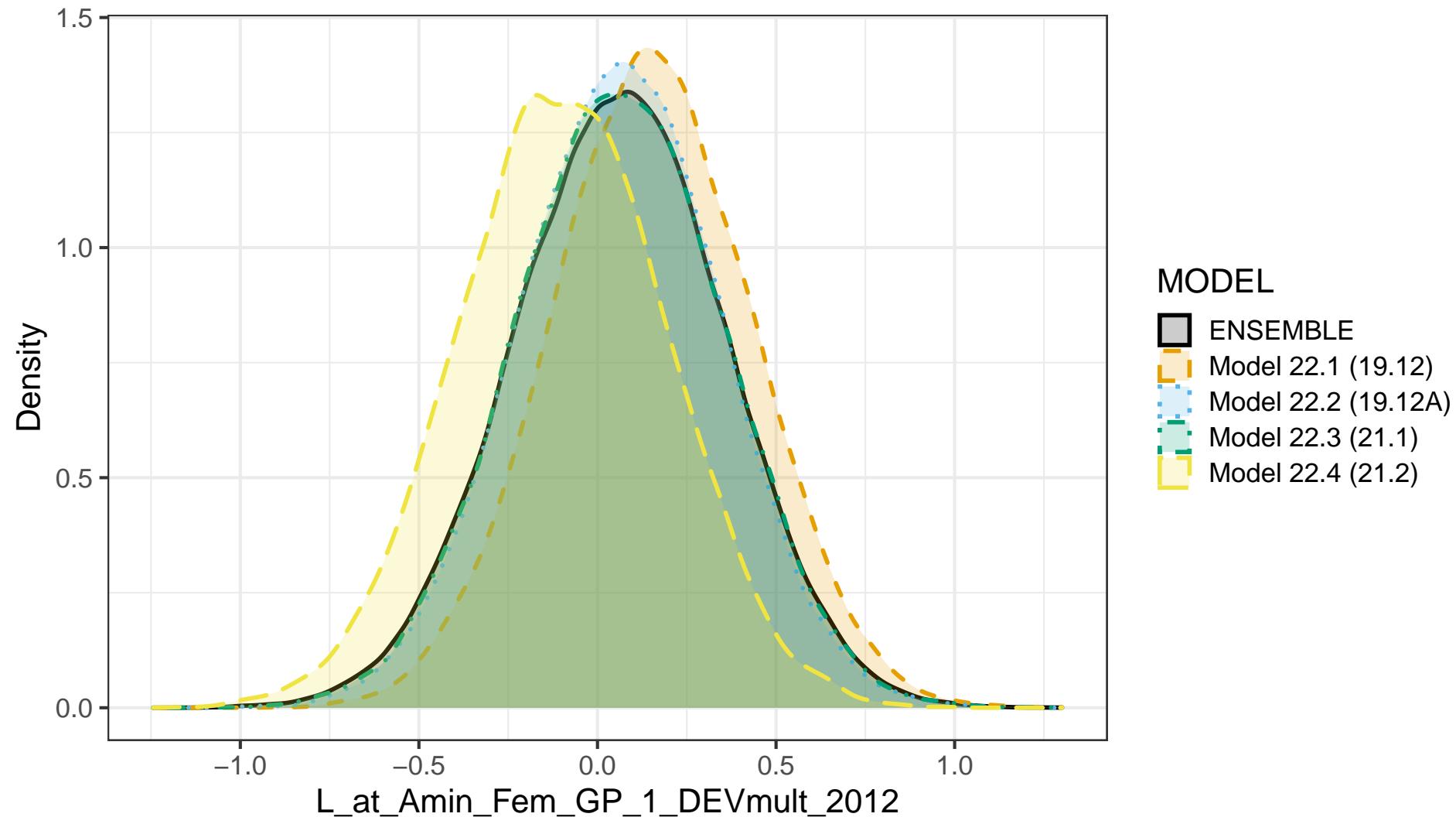
L_at_Amin_Fem_GP_1_DEVmult_2010



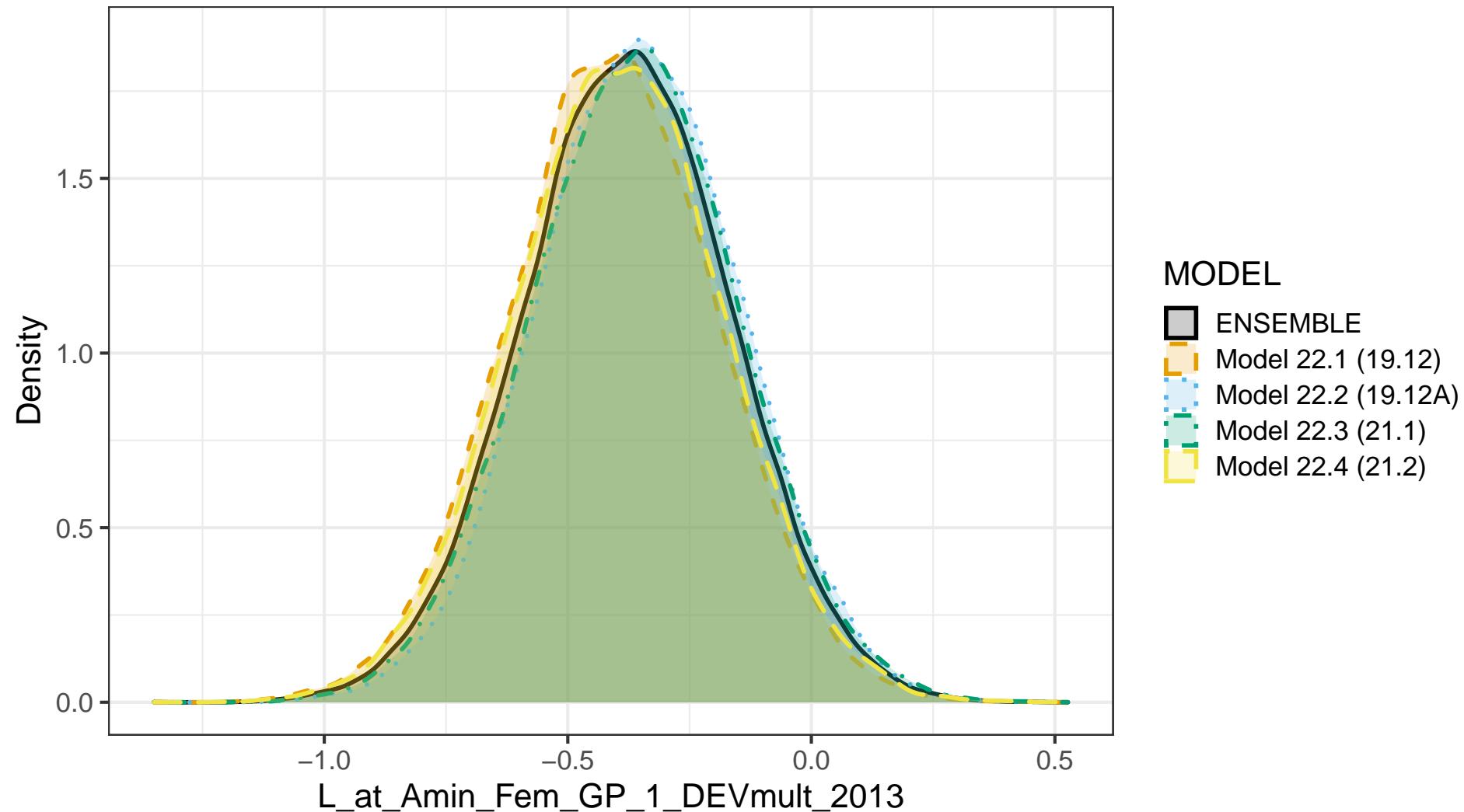
L_at_Amin_Fem_GP_1_DEVmult_2011



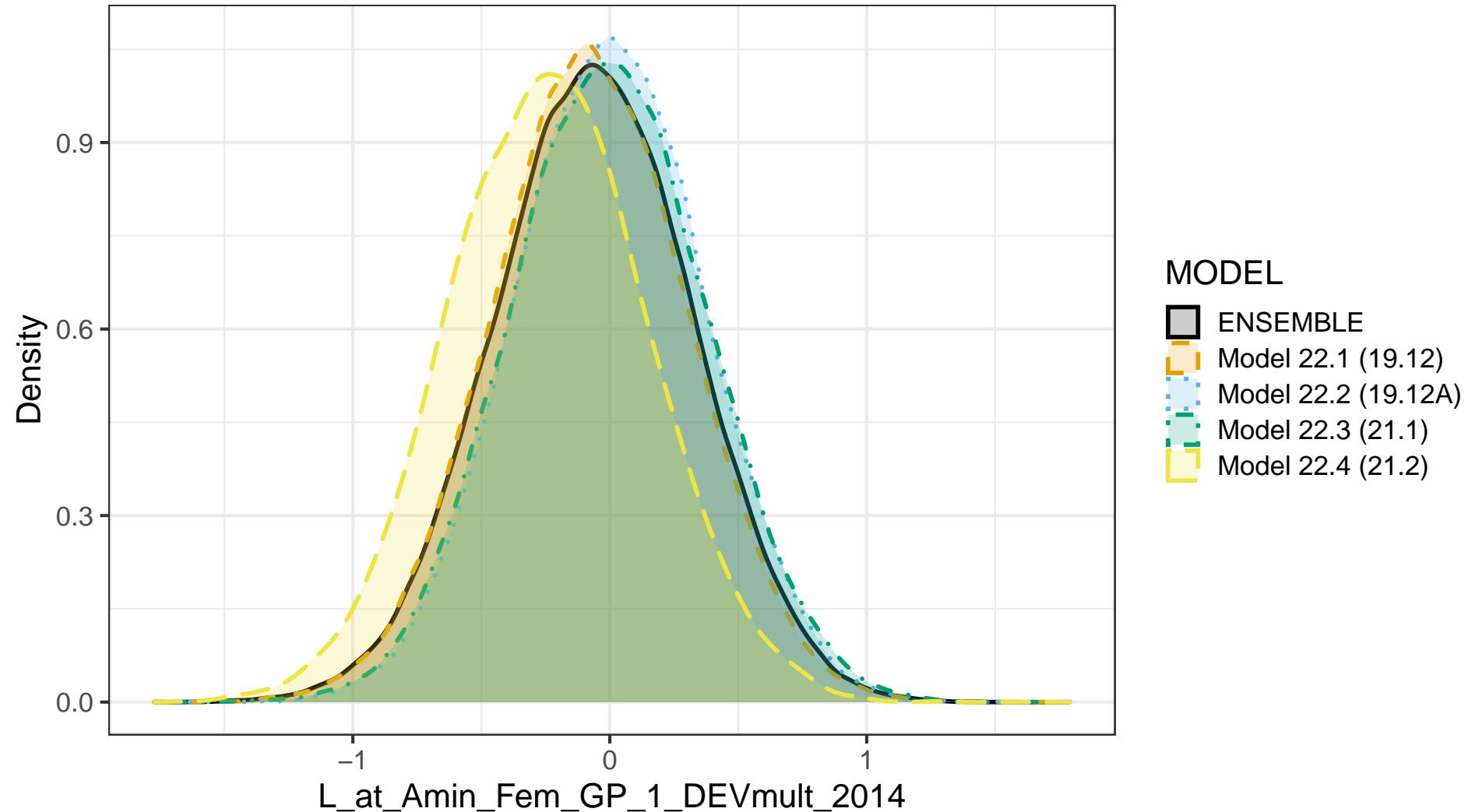
L_at_Amin_Fem_GP_1_DEVmult_2012



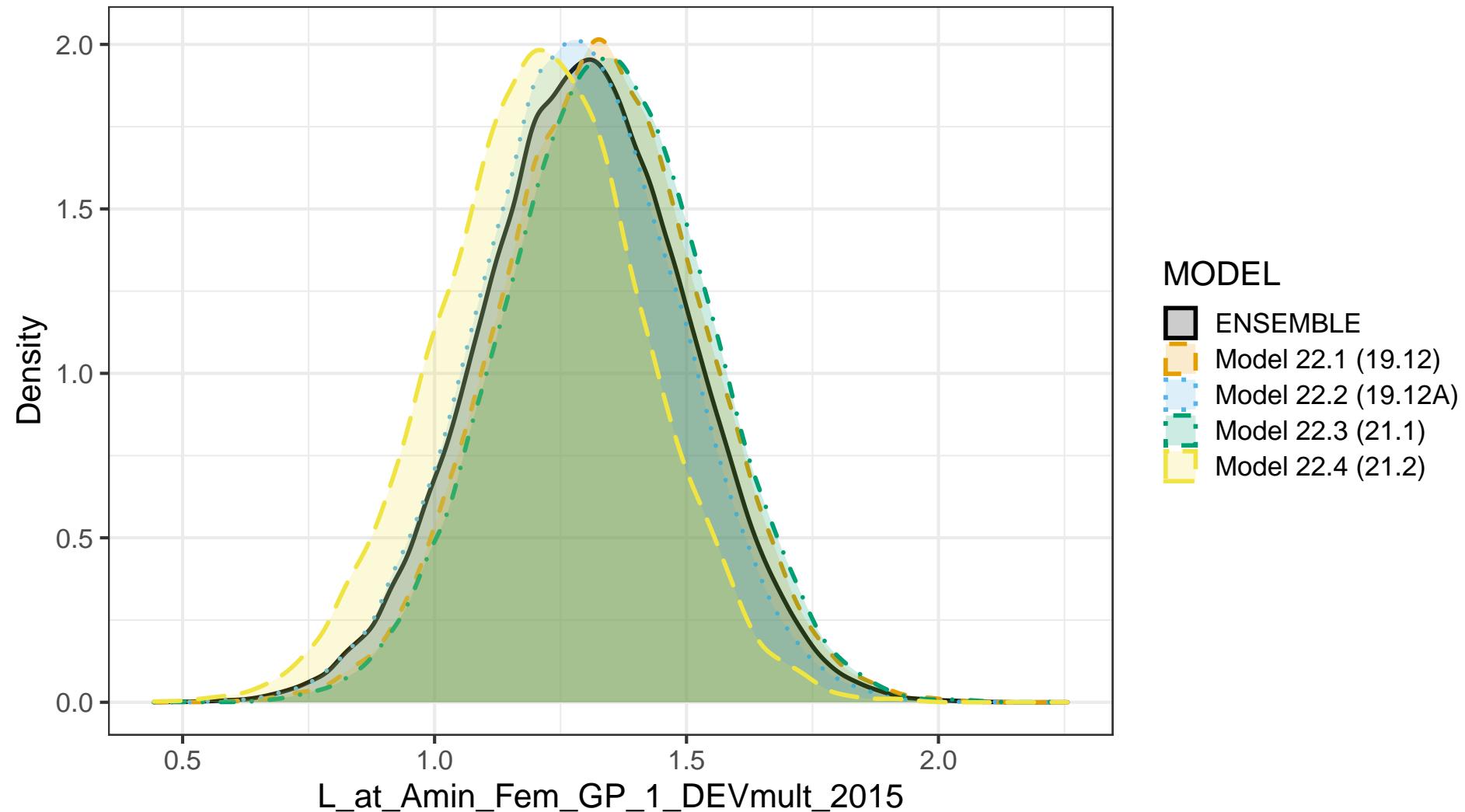
L_at_Amin_Fem_GP_1_DEVmult_2013



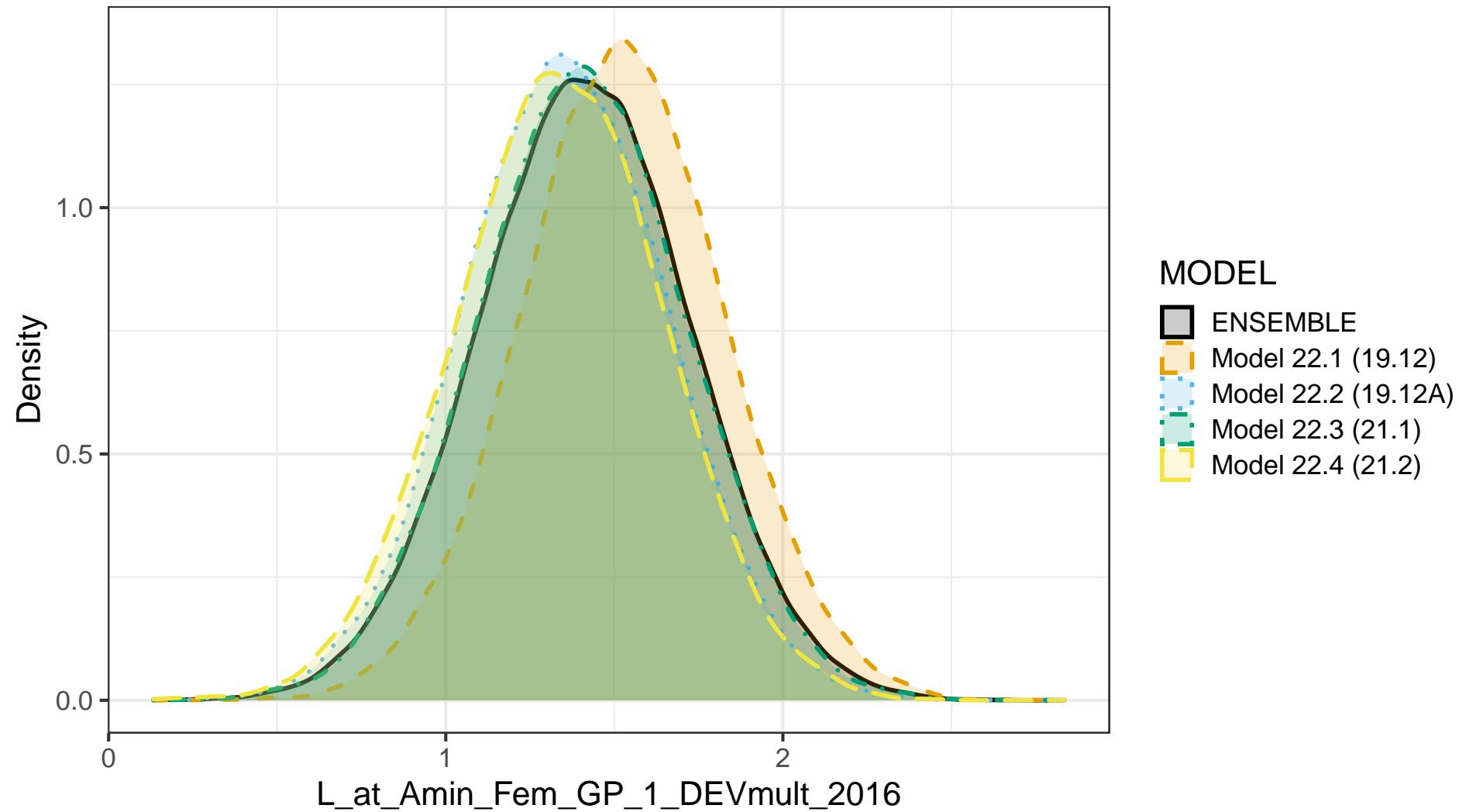
L_at_Amin_Fem_GP_1_DEVmult_2014



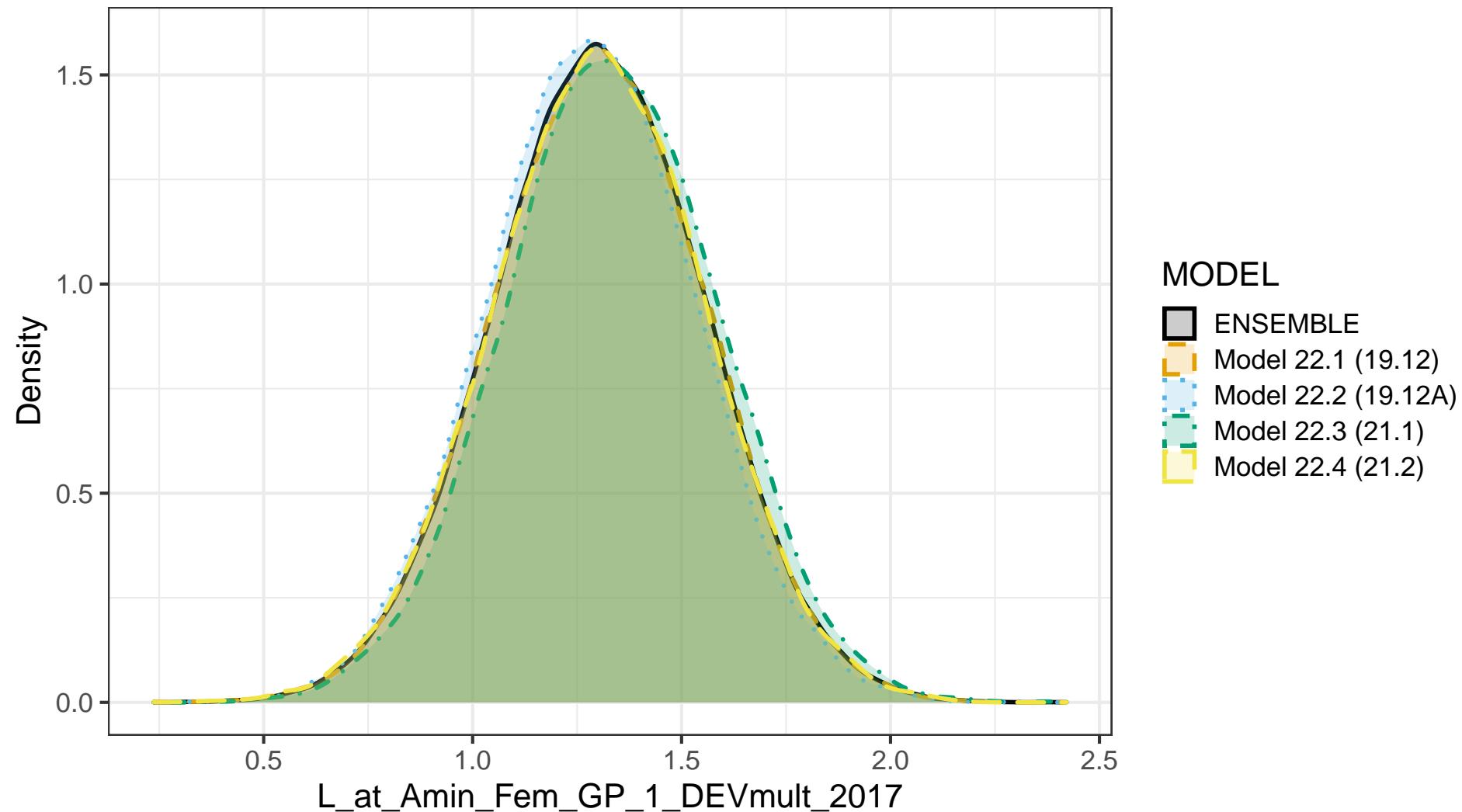
L_at_Amin_Fem_GP_1_DEVmult_2015



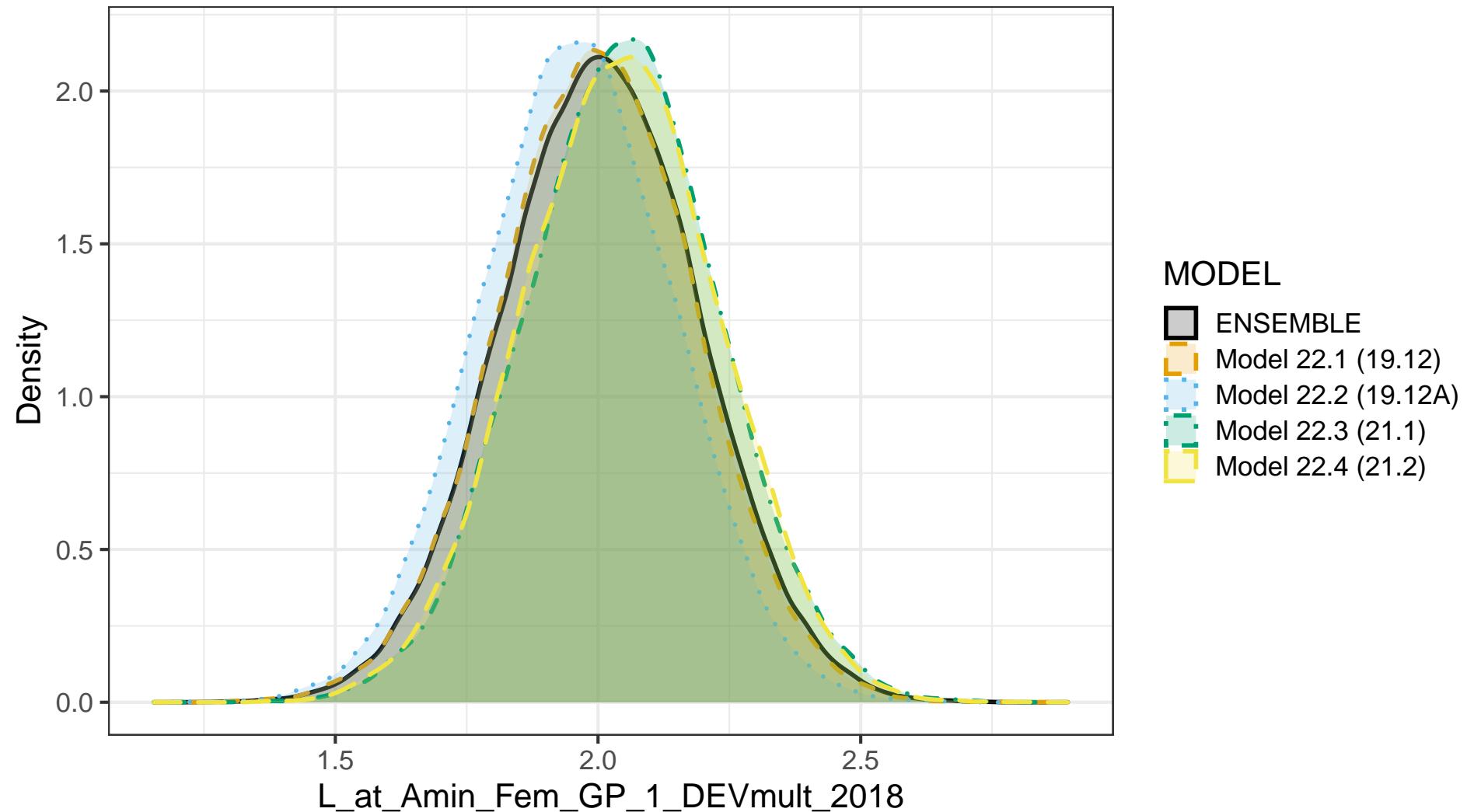
L_at_Amin_Fem_GP_1_DEVmult_2016



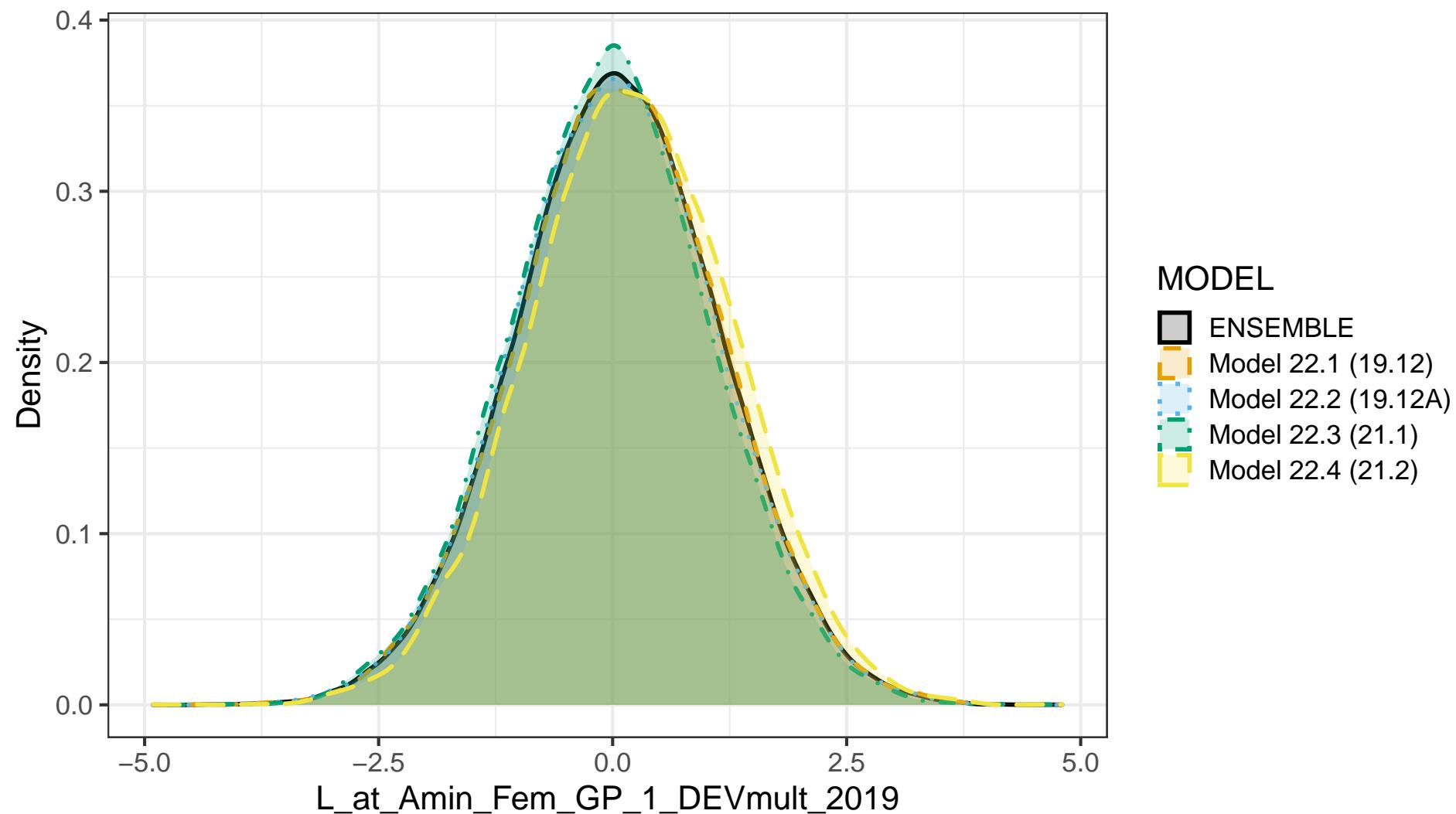
L_at_Amin_Fem_GP_1_DEVmult_2017



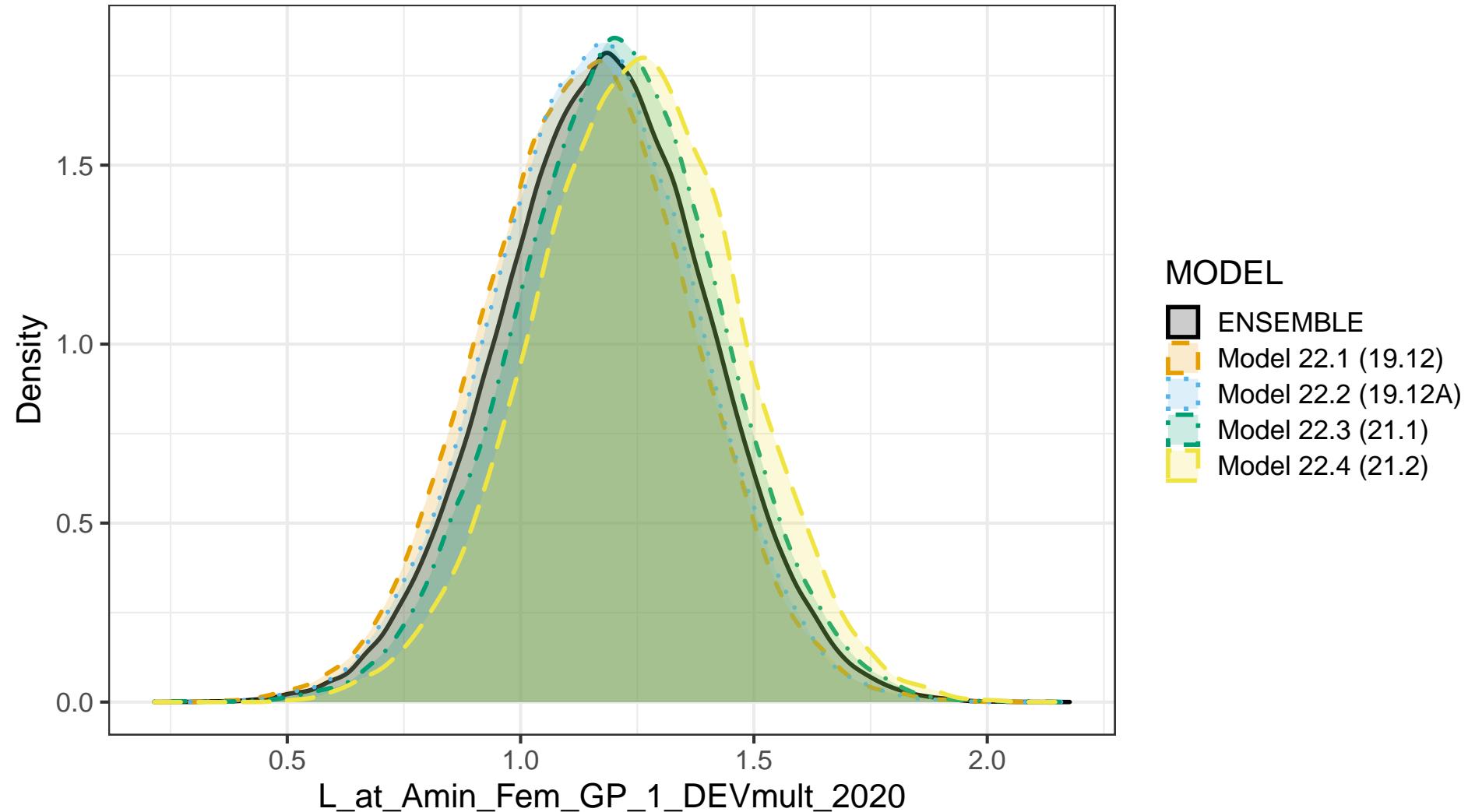
L_at_Amin_Fem_GP_1_DEVmult_2018



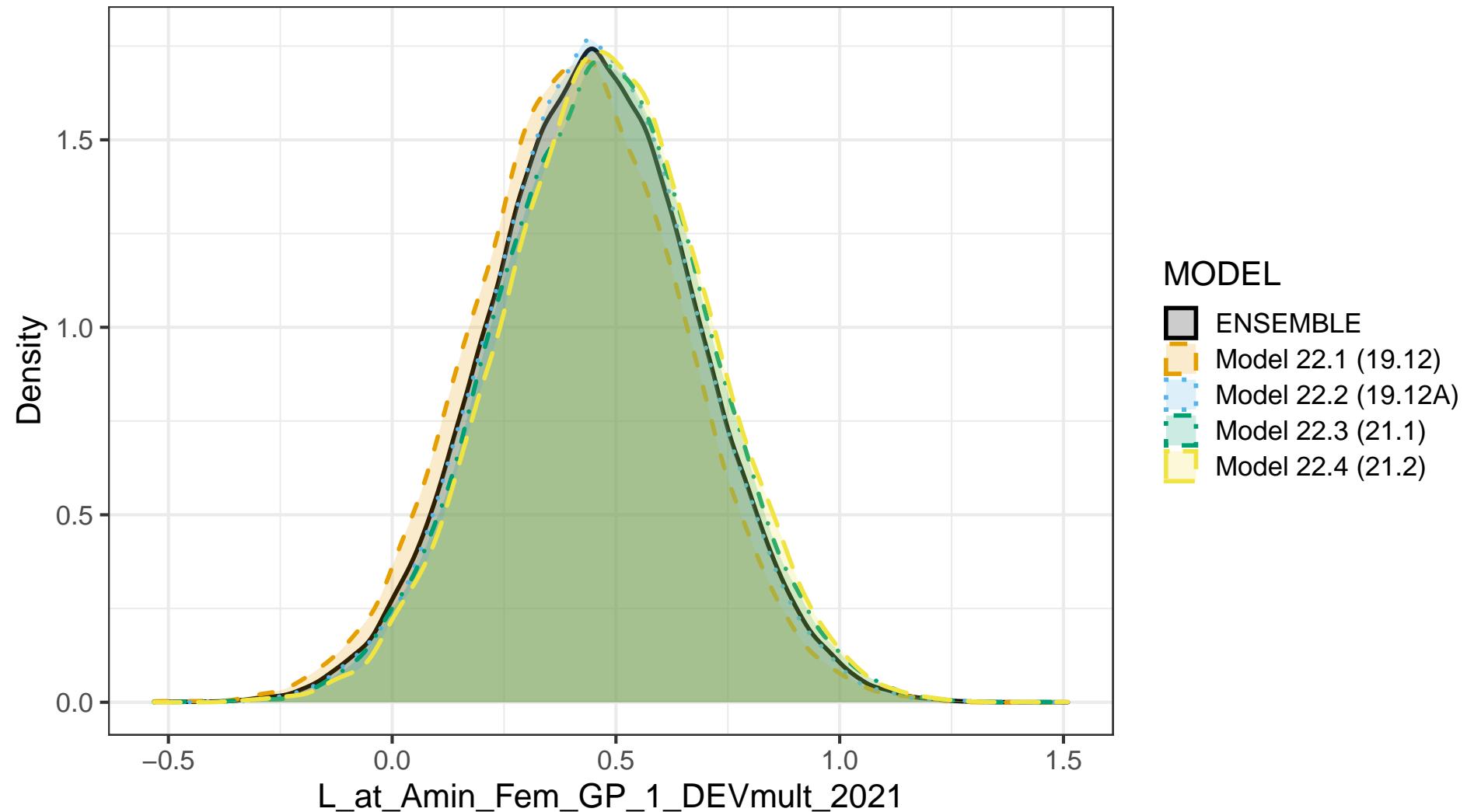
L_at_Amin_Fem_GP_1_DEVmult_2019



L_at_Amin_Fem_GP_1_DEVmult_2020



L_at_Amin_Fem_GP_1_DEVmult_2021



L_at_Amin_Fem_GP_1_DEVmult_2022

