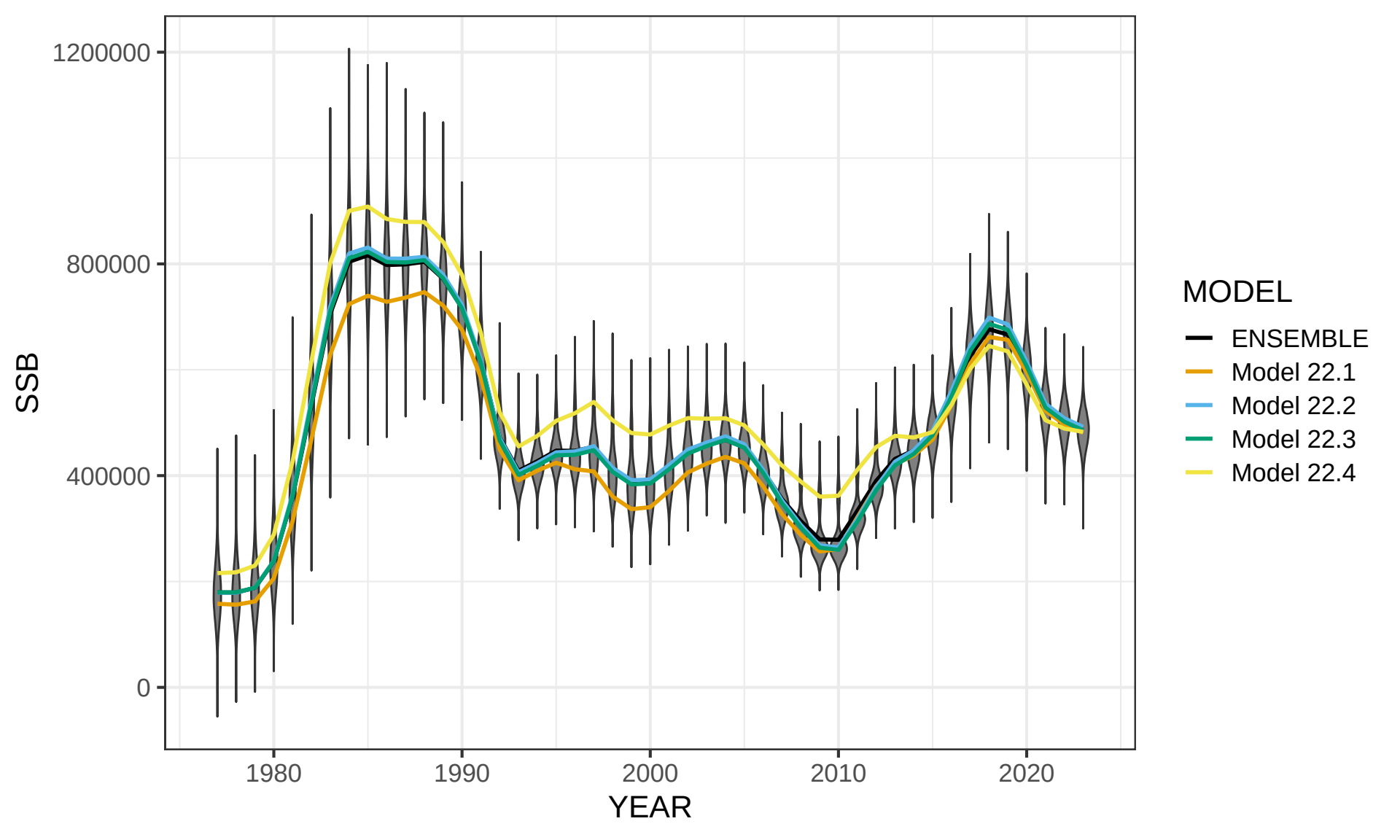
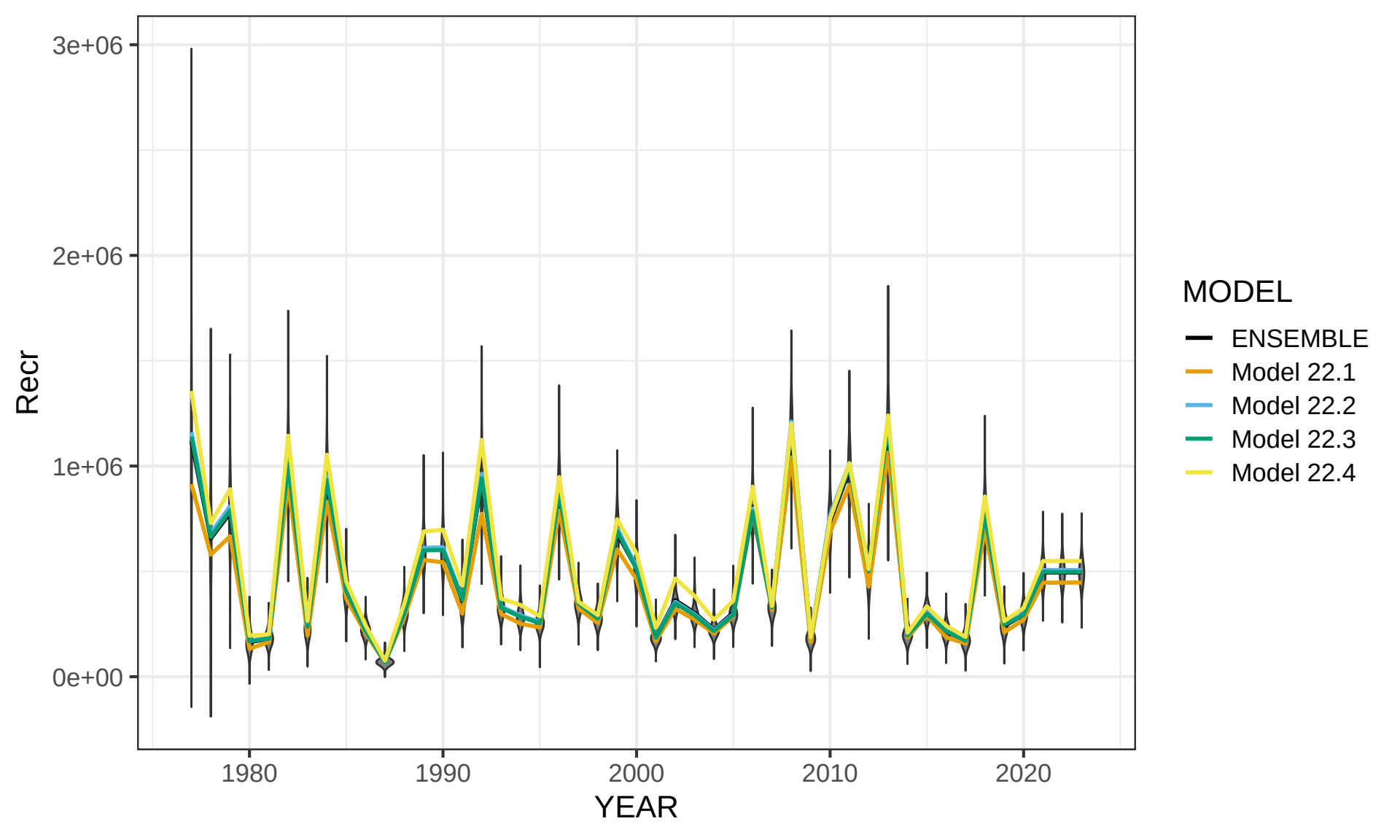
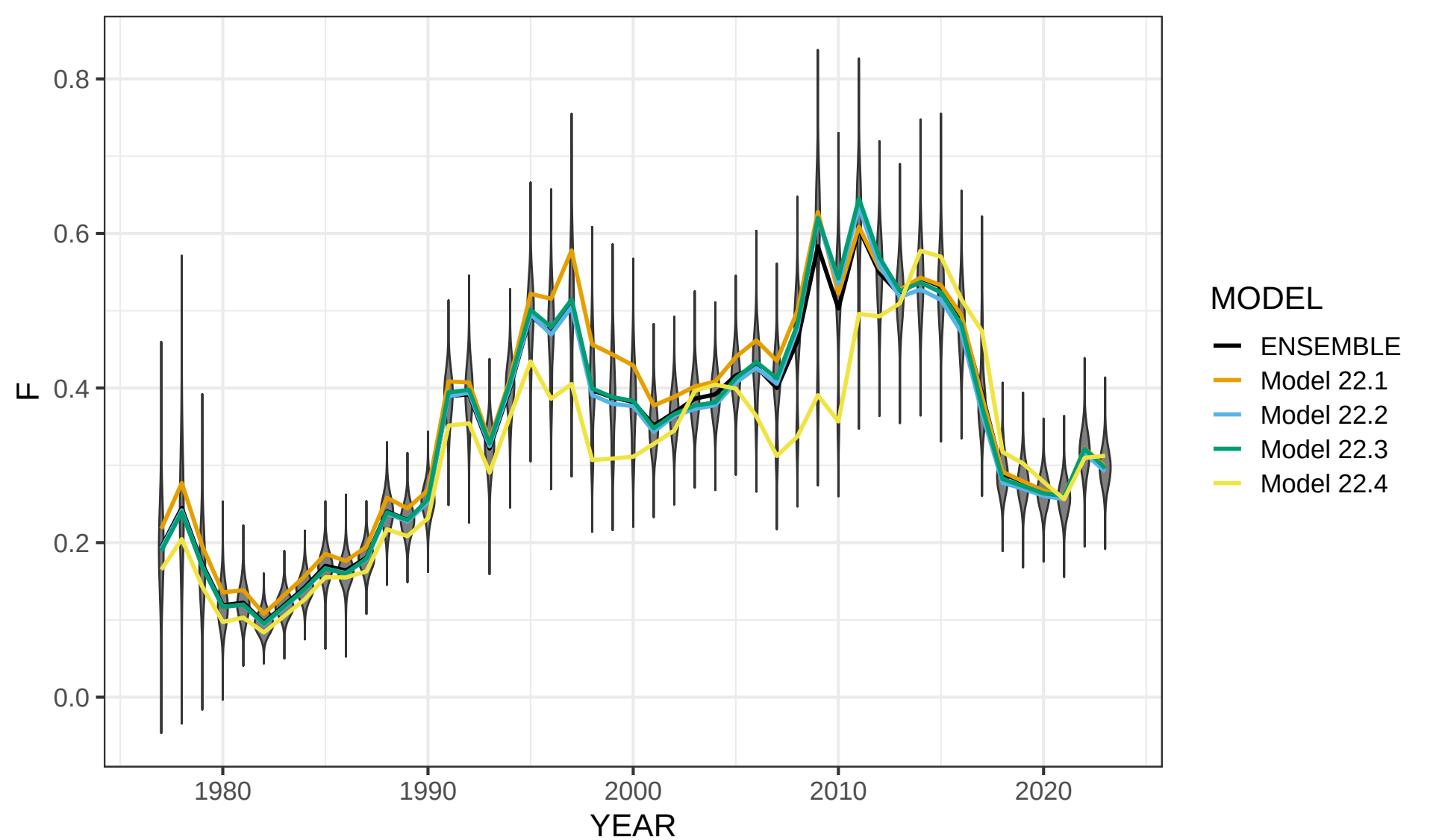
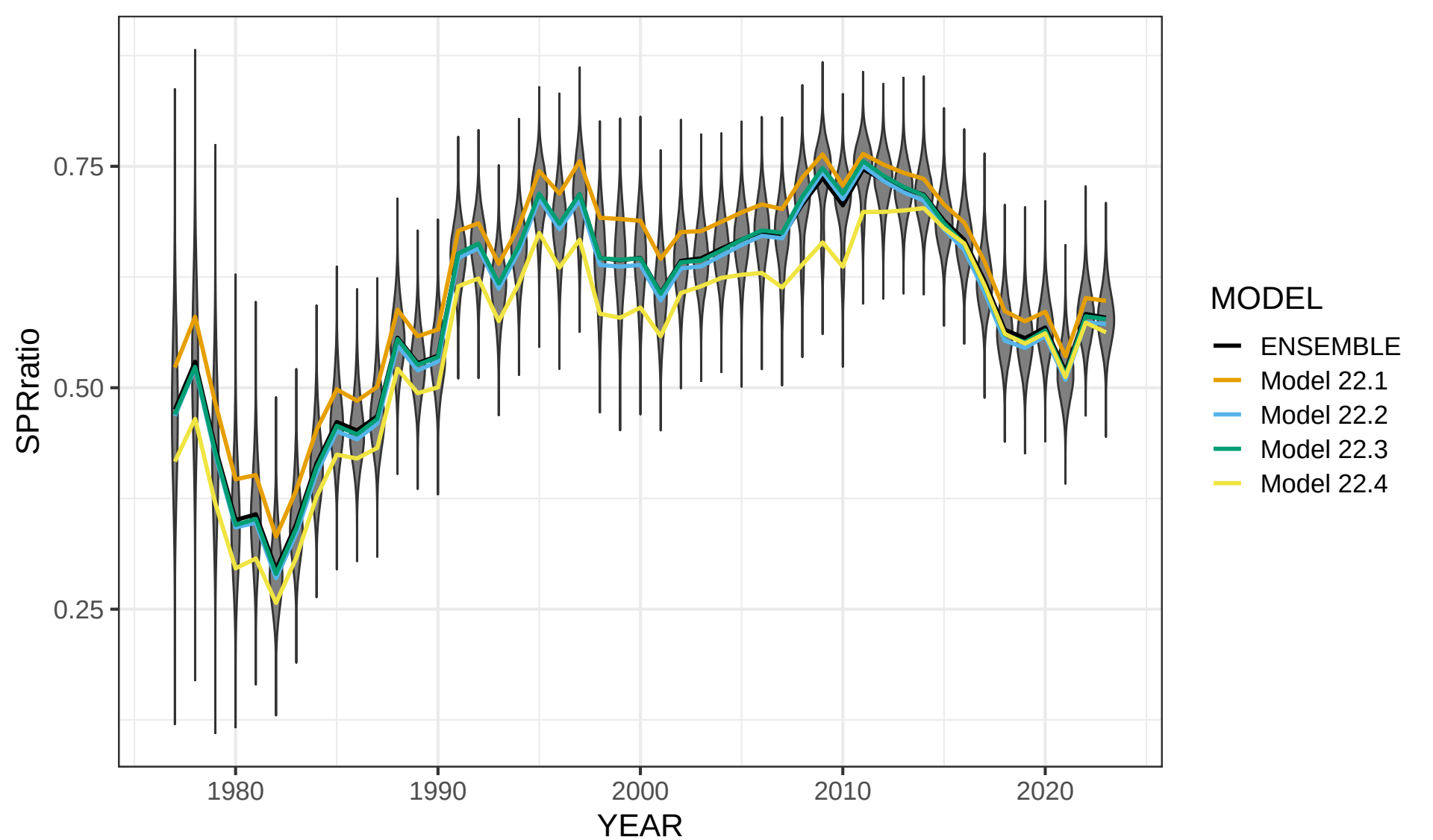
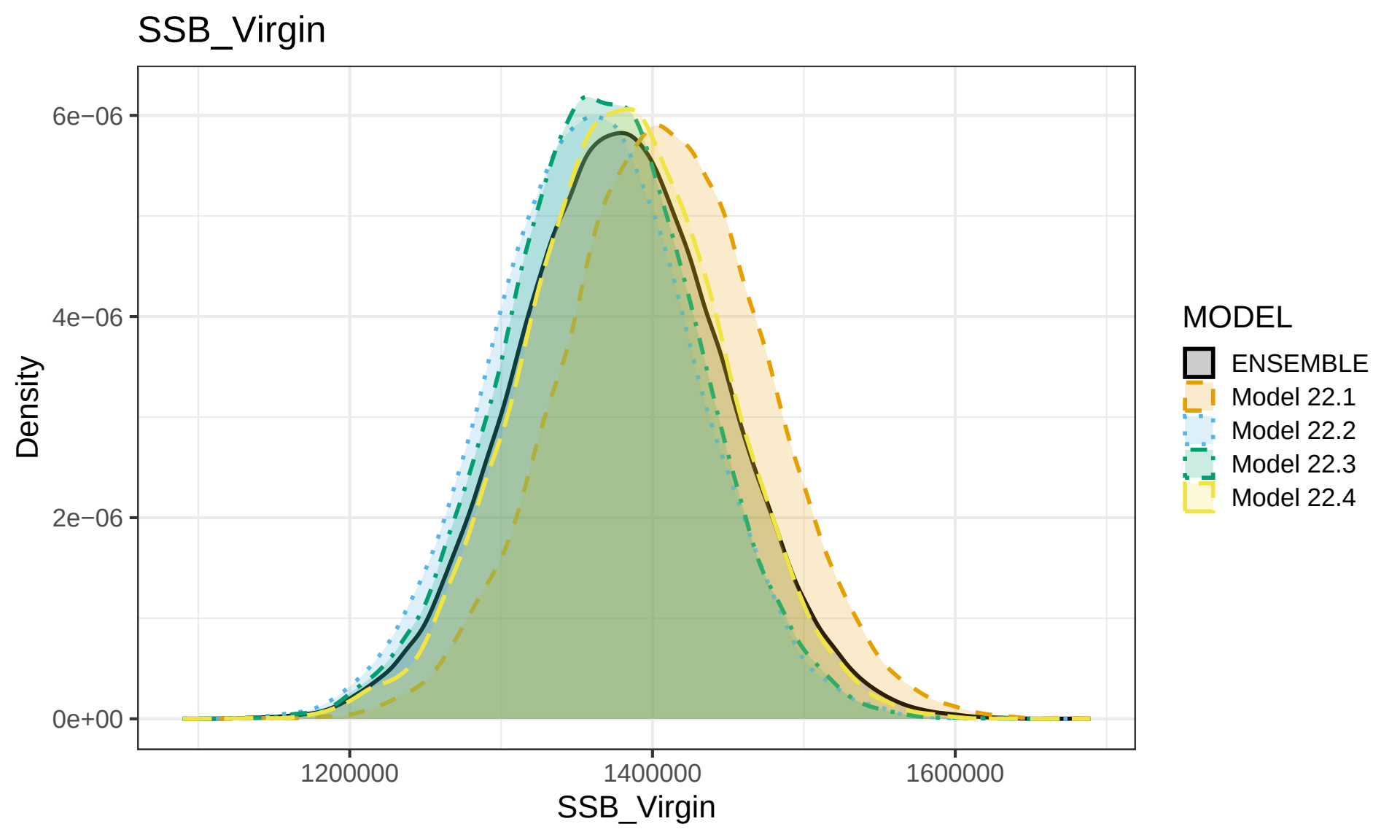
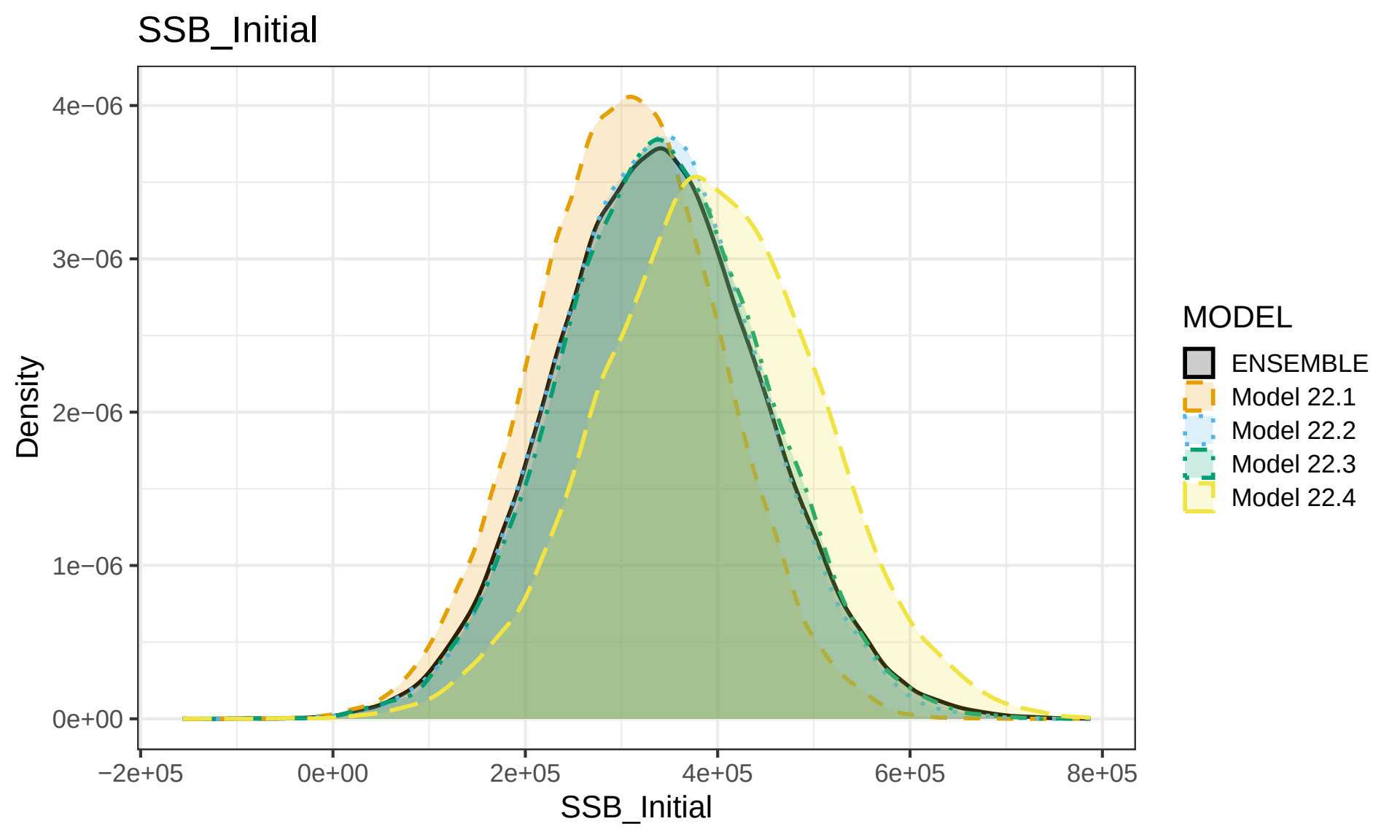

1200000
800000
400000
0
SSB
1980
1990
2000
2010
2020
YEAR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

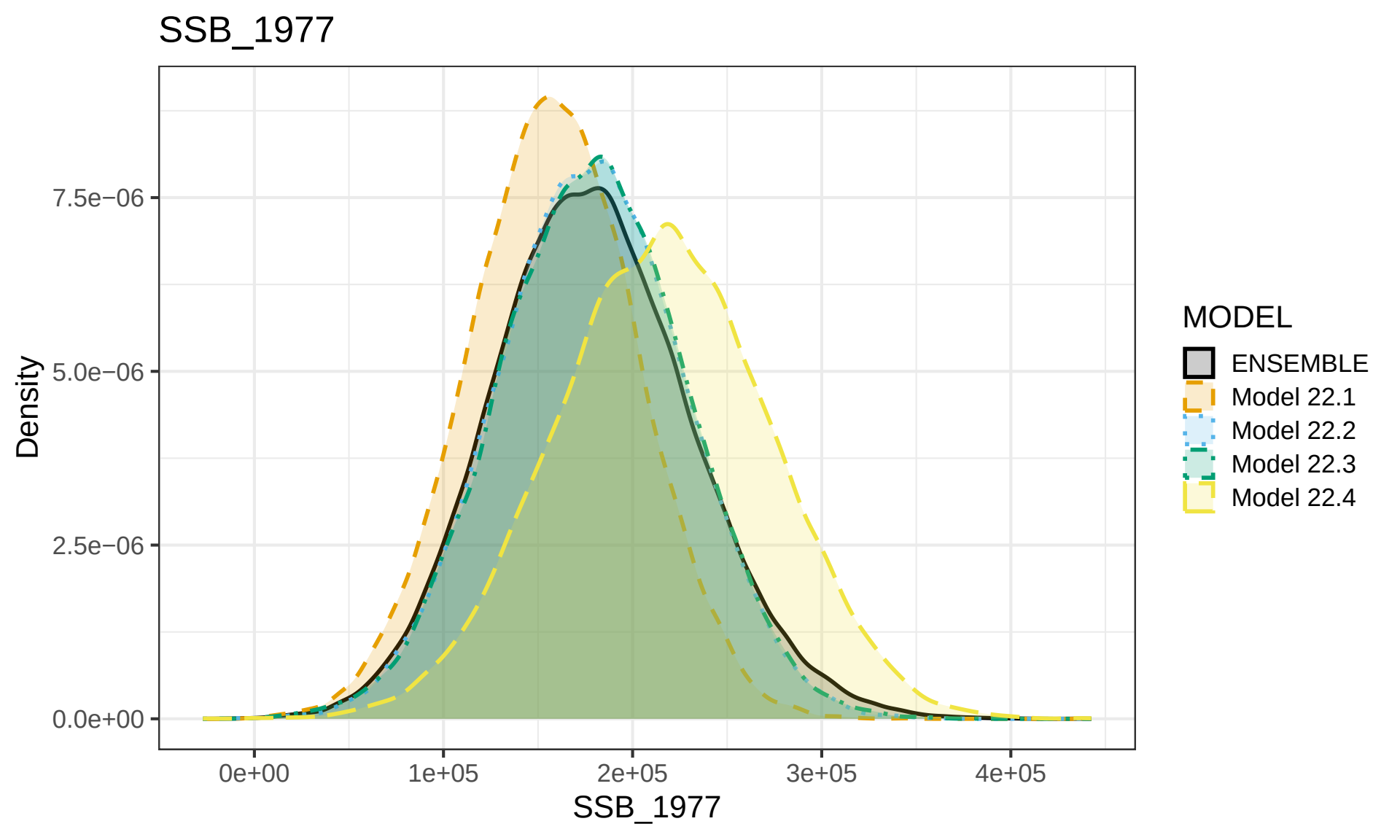

3e+06
2e+06
1e+06
0e+00
Recr
1980
1990
2000
2010
2020
YEAR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

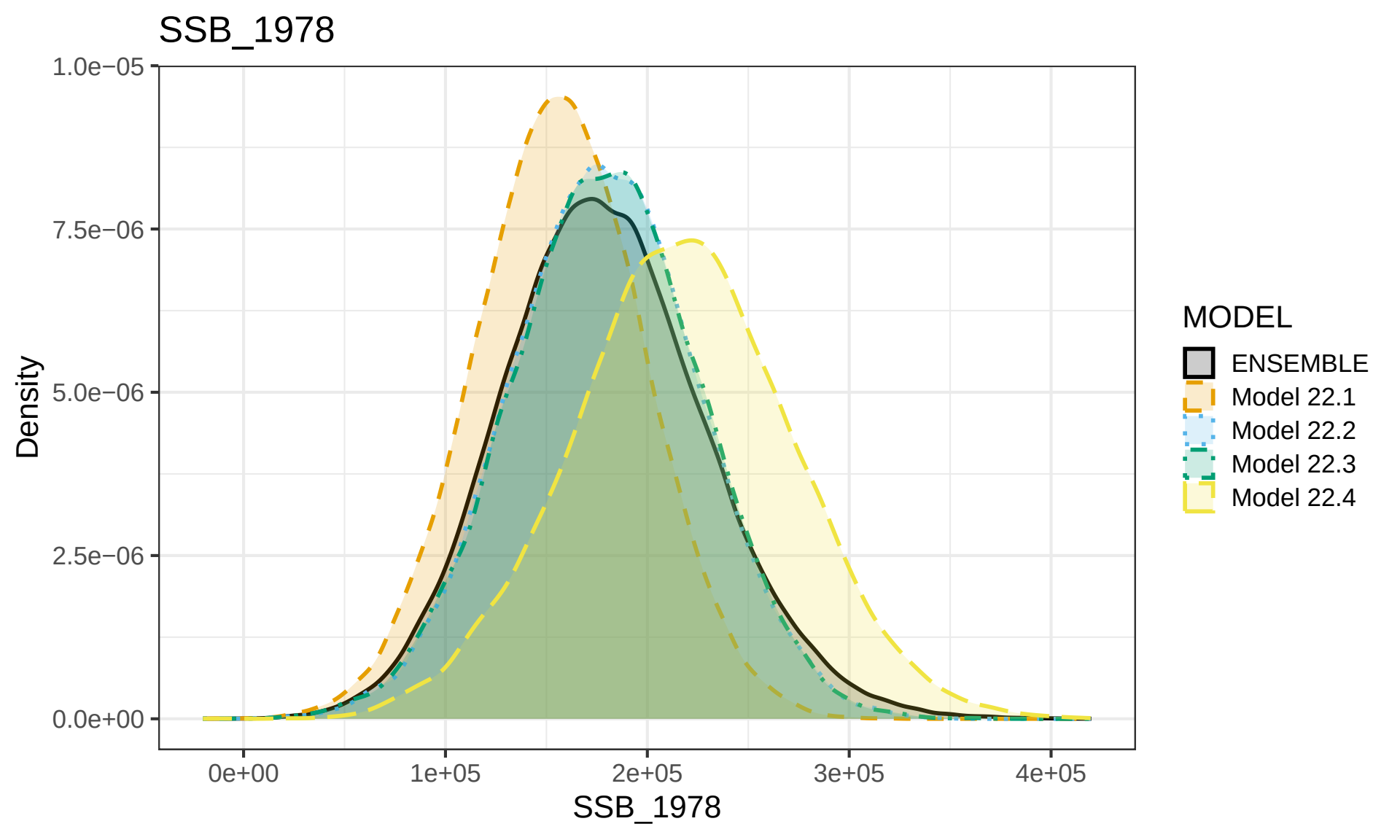

F
0.0
0.2
0.4
0.6
0.8
1980
1990
2000
2010
2020
YEAR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

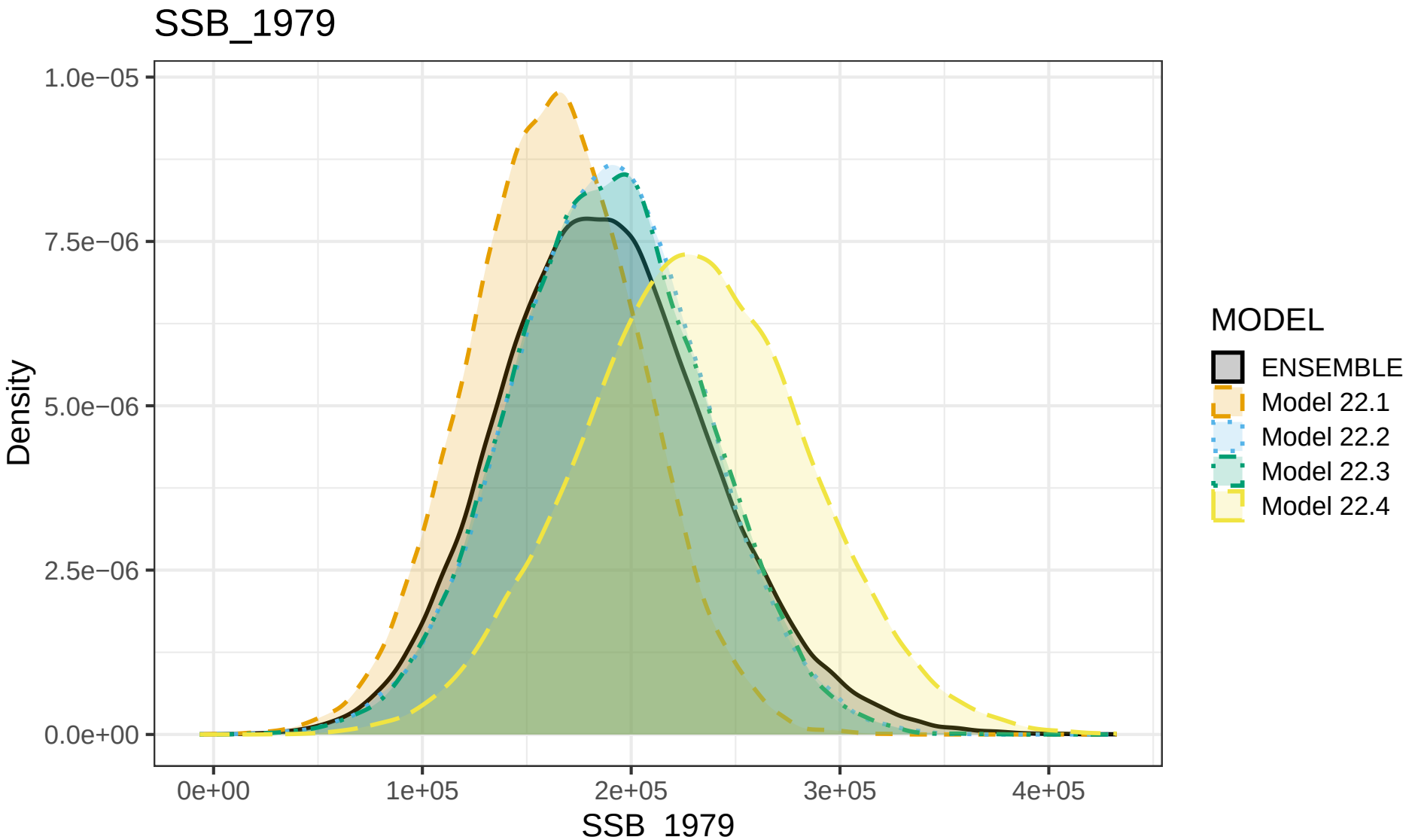

SPRratio
0.75
0.50
0.25
1980
1990
2000
2010
2020
YEAR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

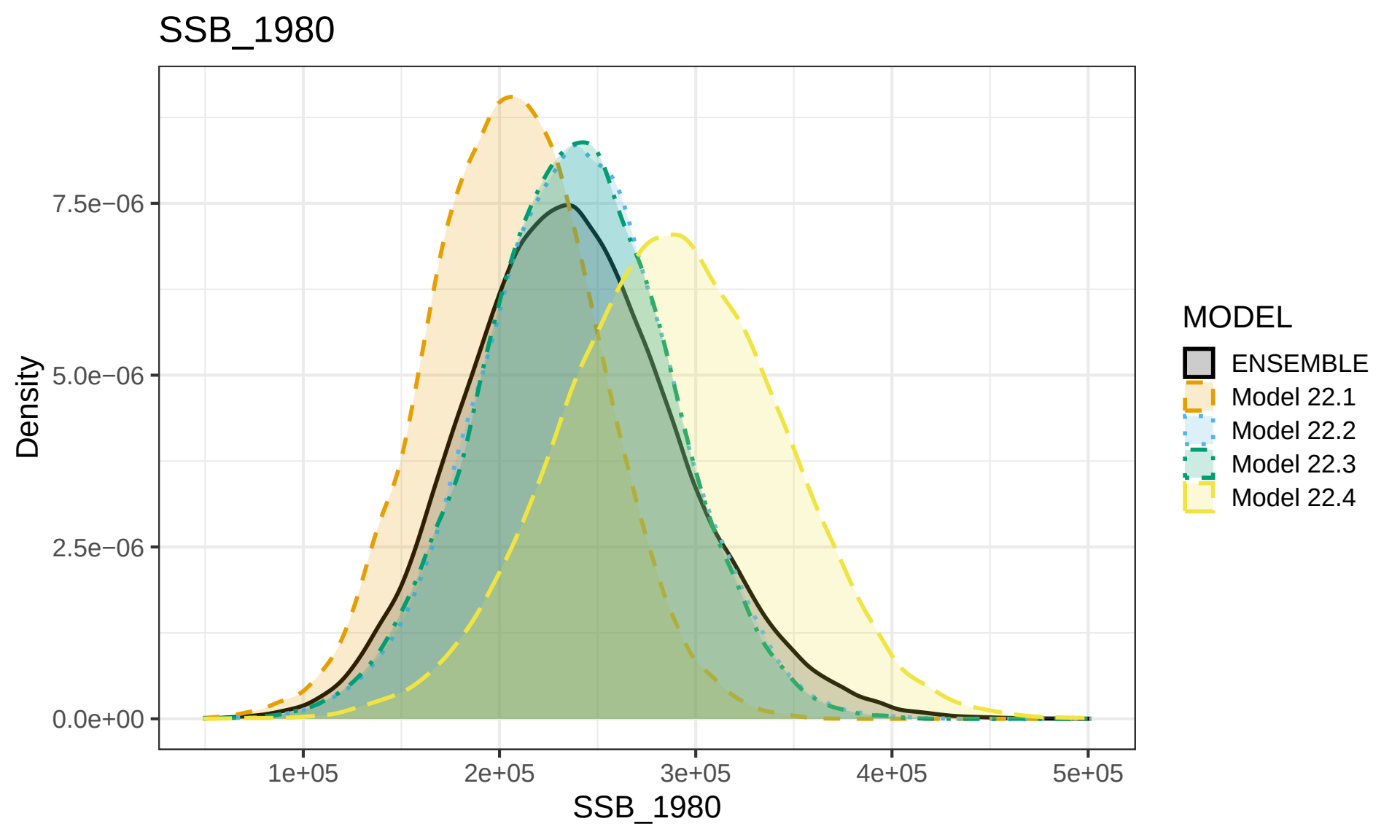

SSB_Virgin
6e−06
4e−06
2e−06
0e+00
Density
1200000
1400000
1600000
SSB_Virgin
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

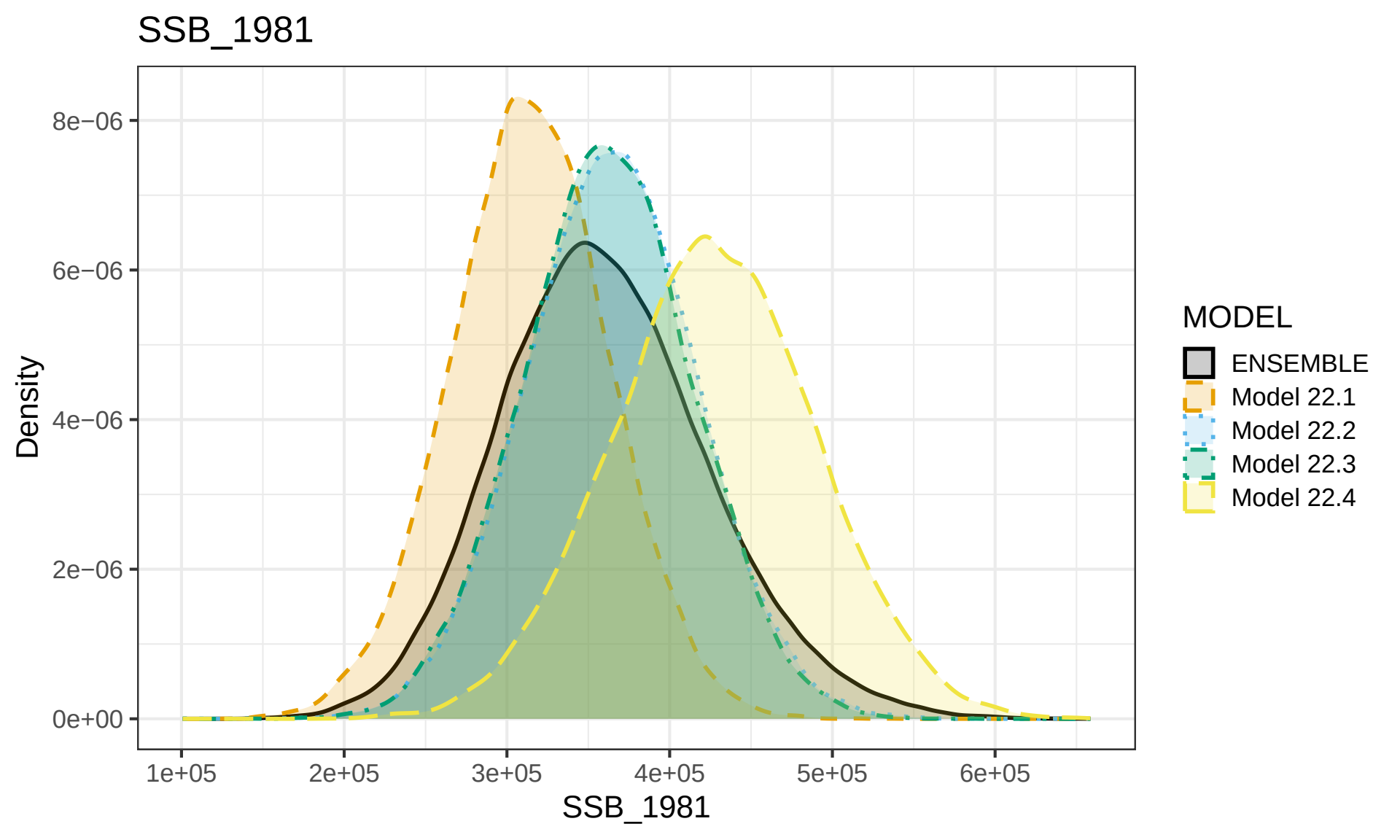

SSB_Initial
Density
4e−06
3e−06
2e−06
1e−06
0e+00
−2e+05
0e+00
2e+05
4e+05
6e+05
8e+05
SSB_Initial
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

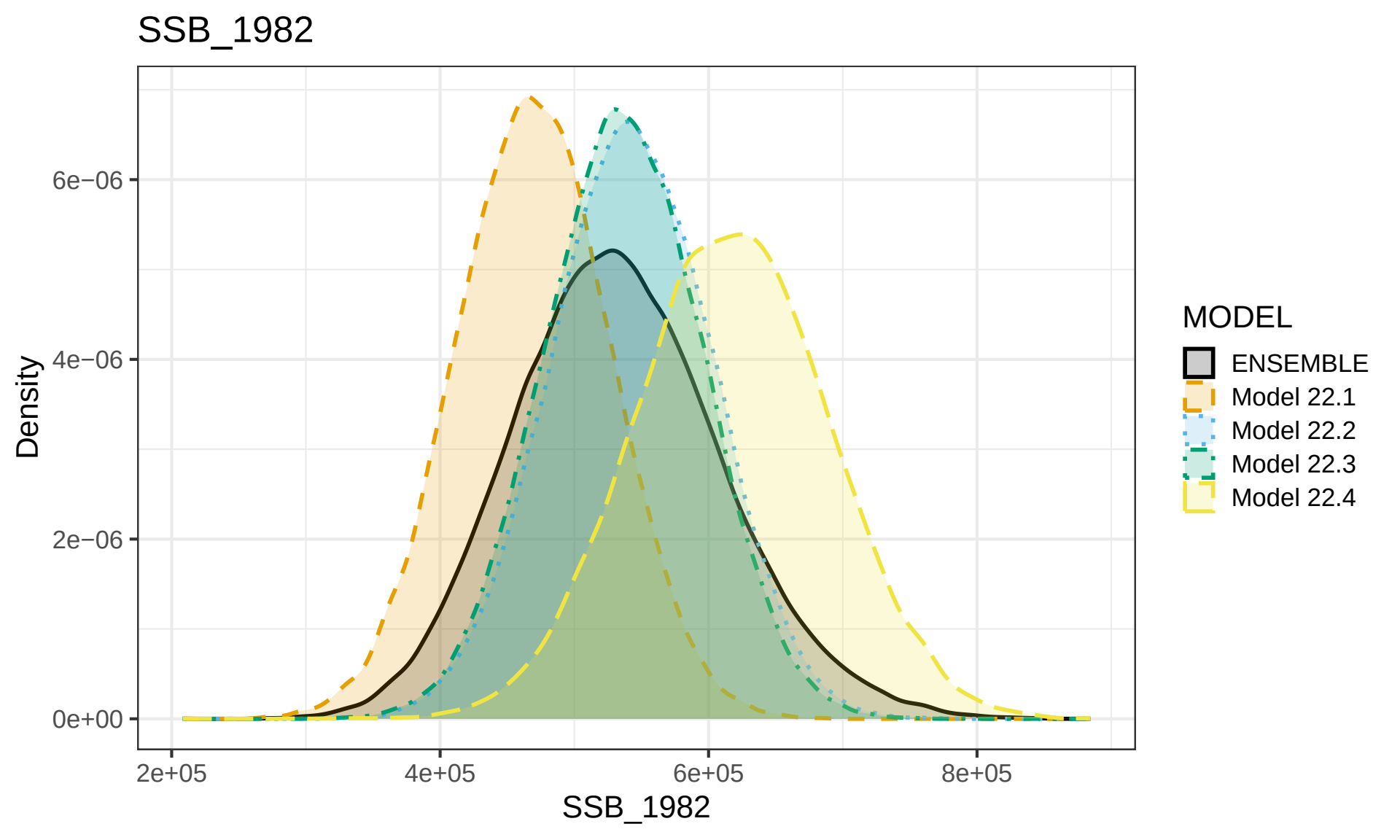

SSB_1977
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
0e+00
1e+05
2e+05
3e+05
4e+05
SSB_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

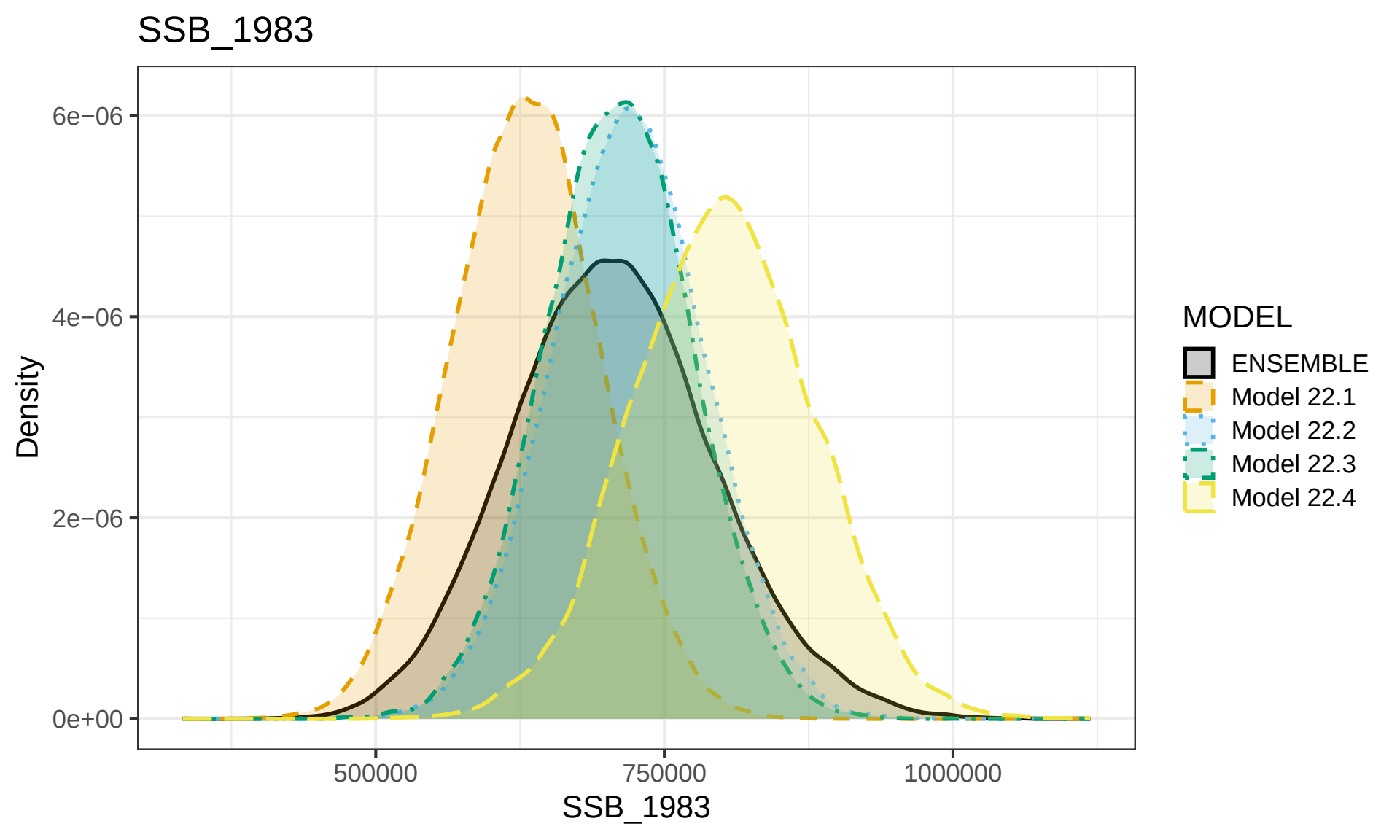

SSB_1978
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
0e+00
1e+05
2e+05
3e+05
4e+05
SSB_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

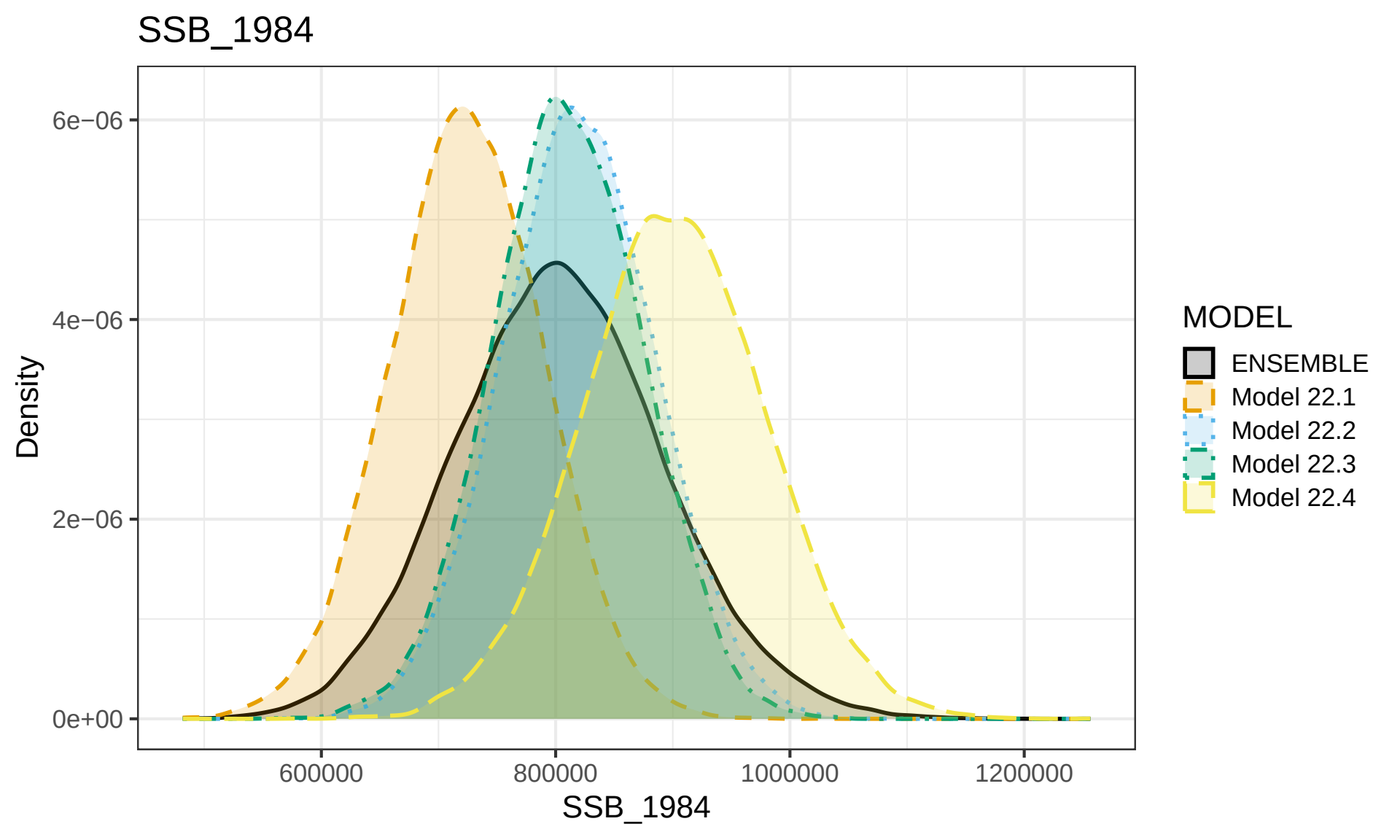

SSB_1979
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
0e+00
1e+05
2e+05
3e+05
4e+05
SSB_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

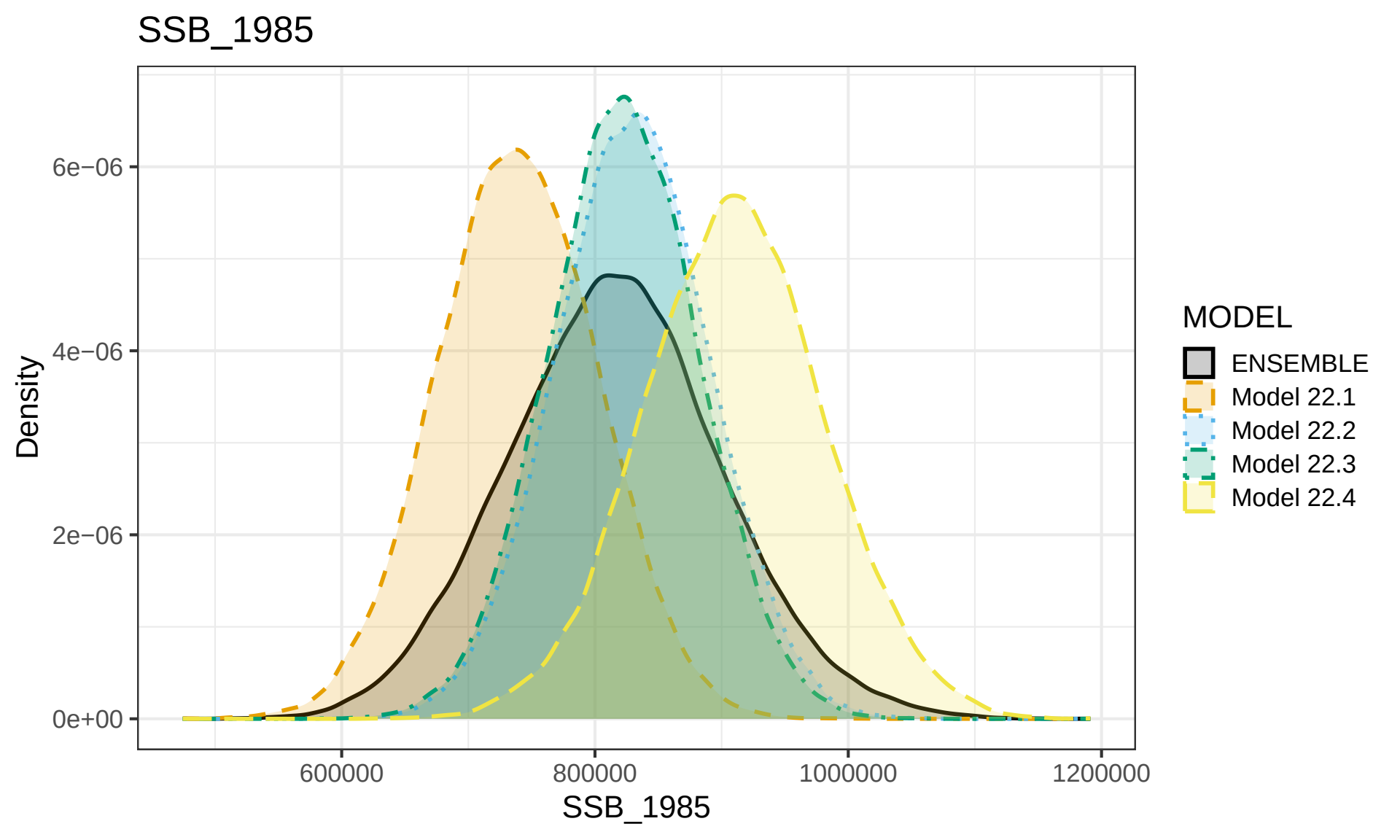

SSB_1980
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
SSB_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

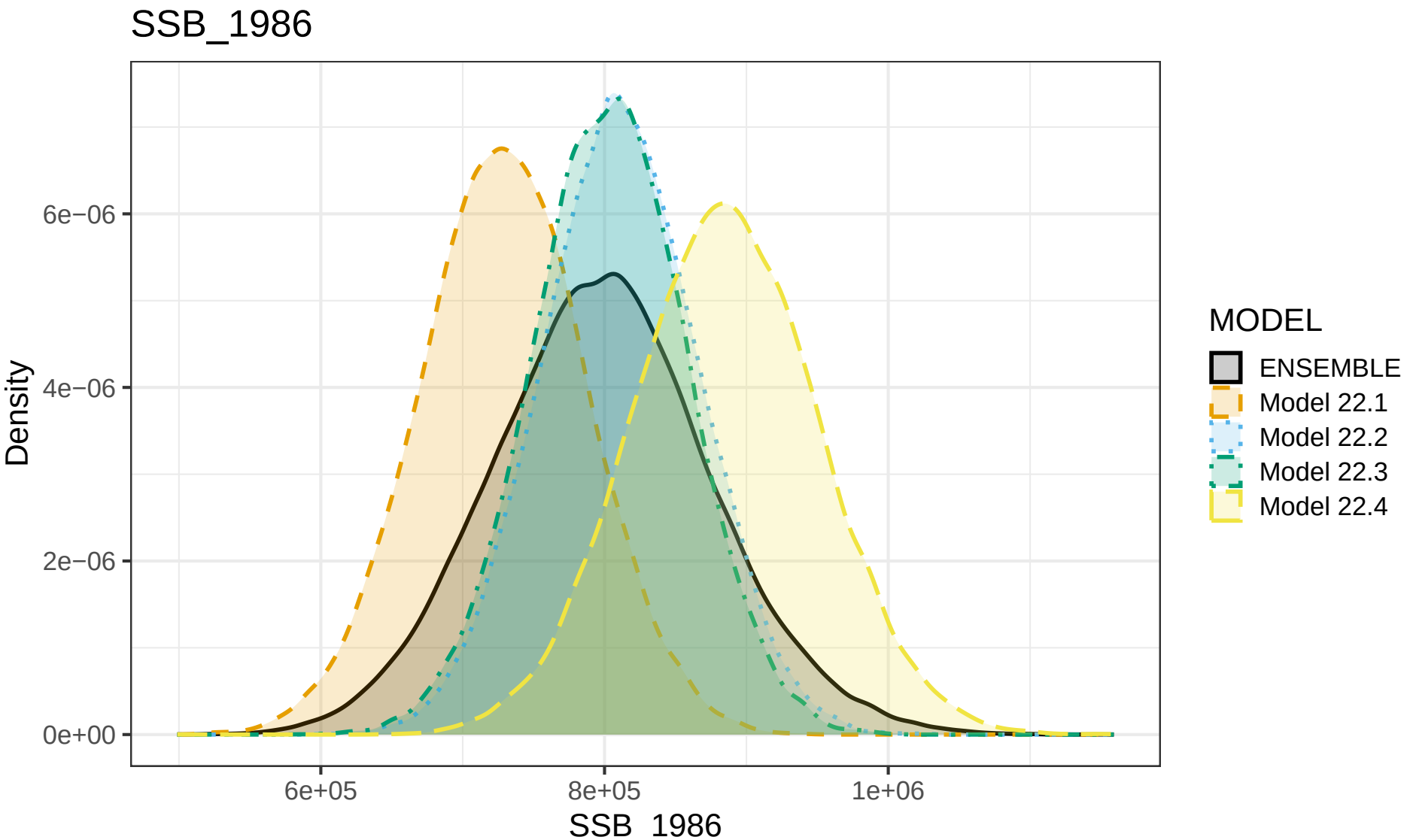

SSB_1981
8e−06
6e−06
4e−06
2e−06
0e+00
Density
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05
SSB_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

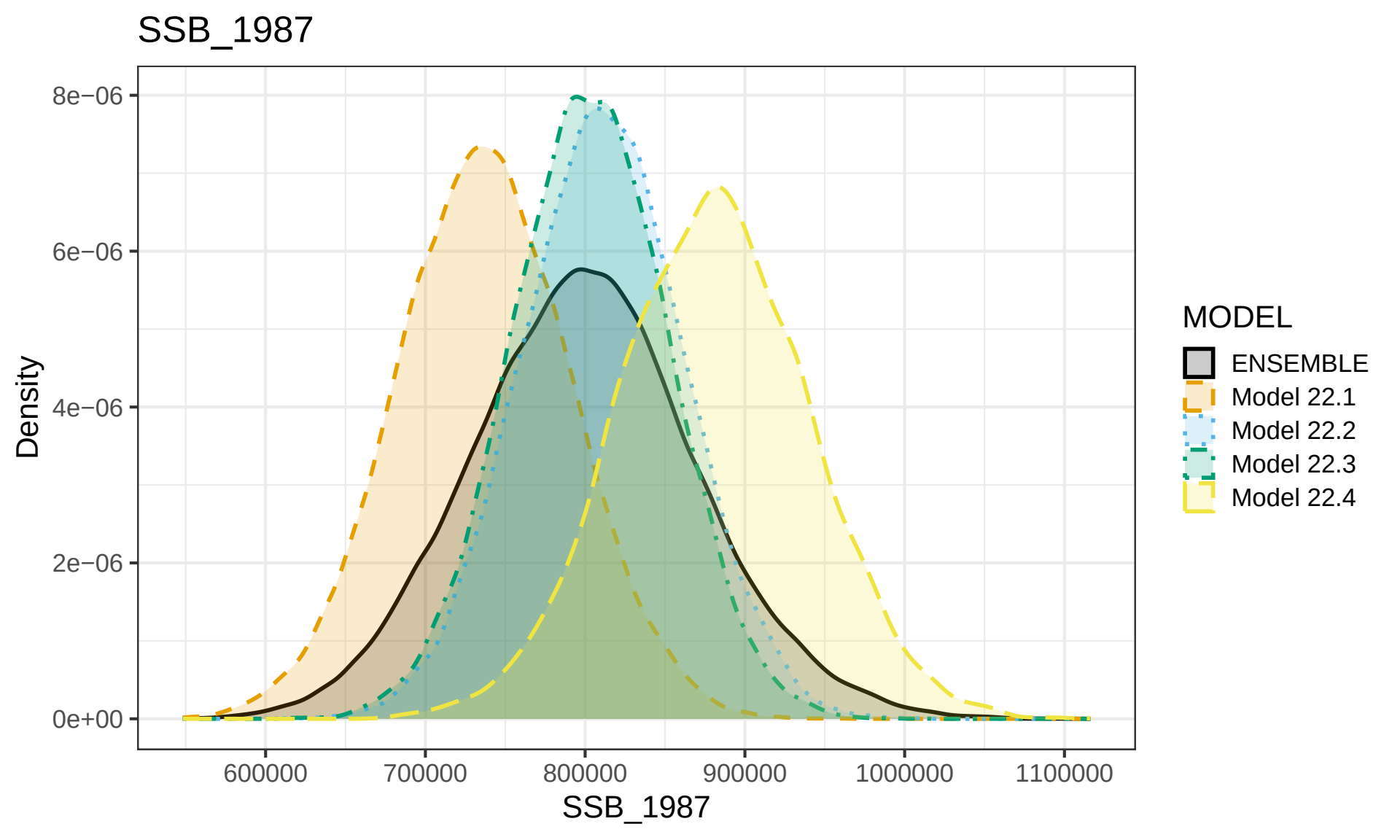

SSB_1982
Density
6e−06
4e−06
2e−06
0e+00
2e+05
4e+05
6e+05
8e+05
SSB_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

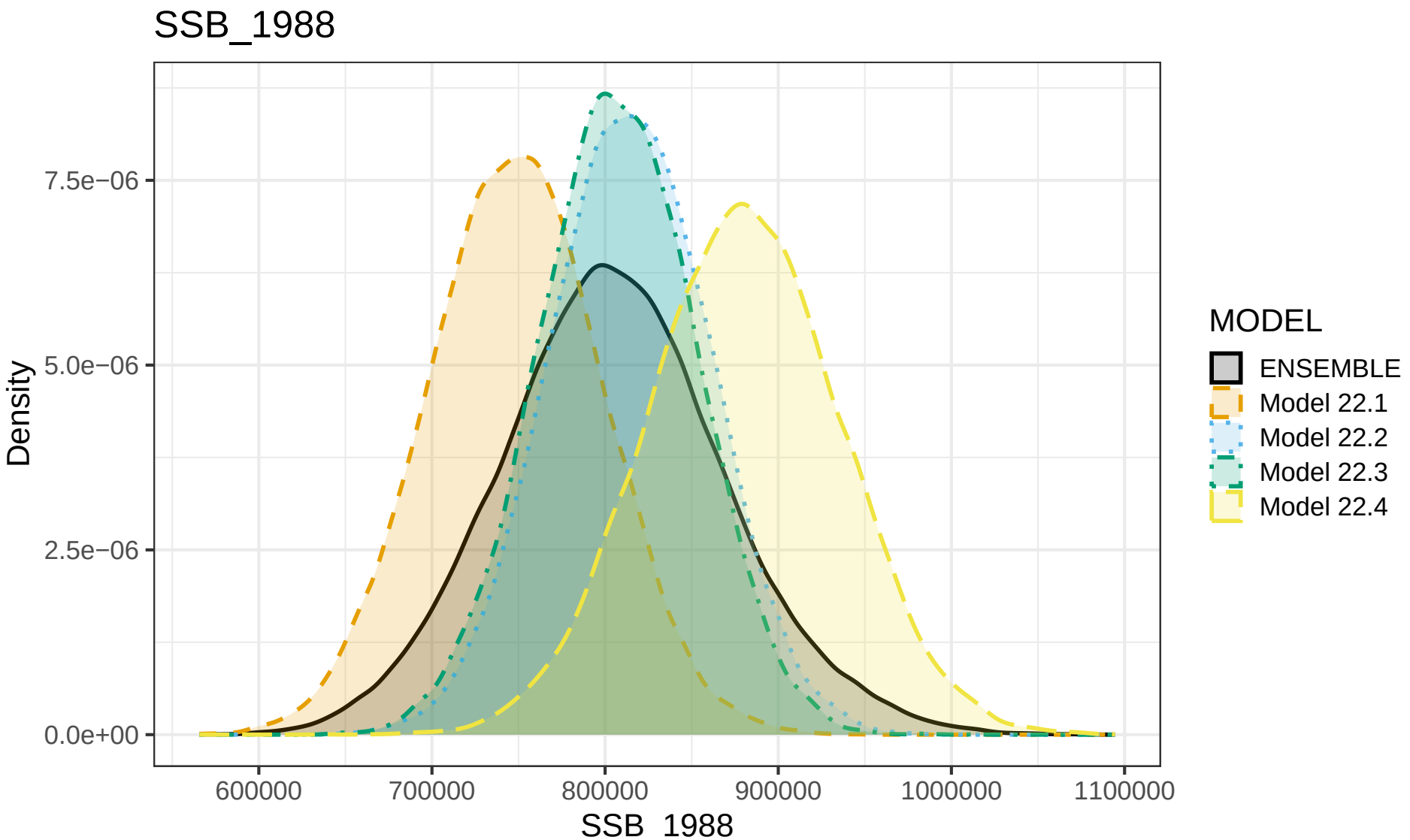

SSB_1983
6e−06
4e−06
2e−06
0e+00
Density
500000
750000
1000000
SSB_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

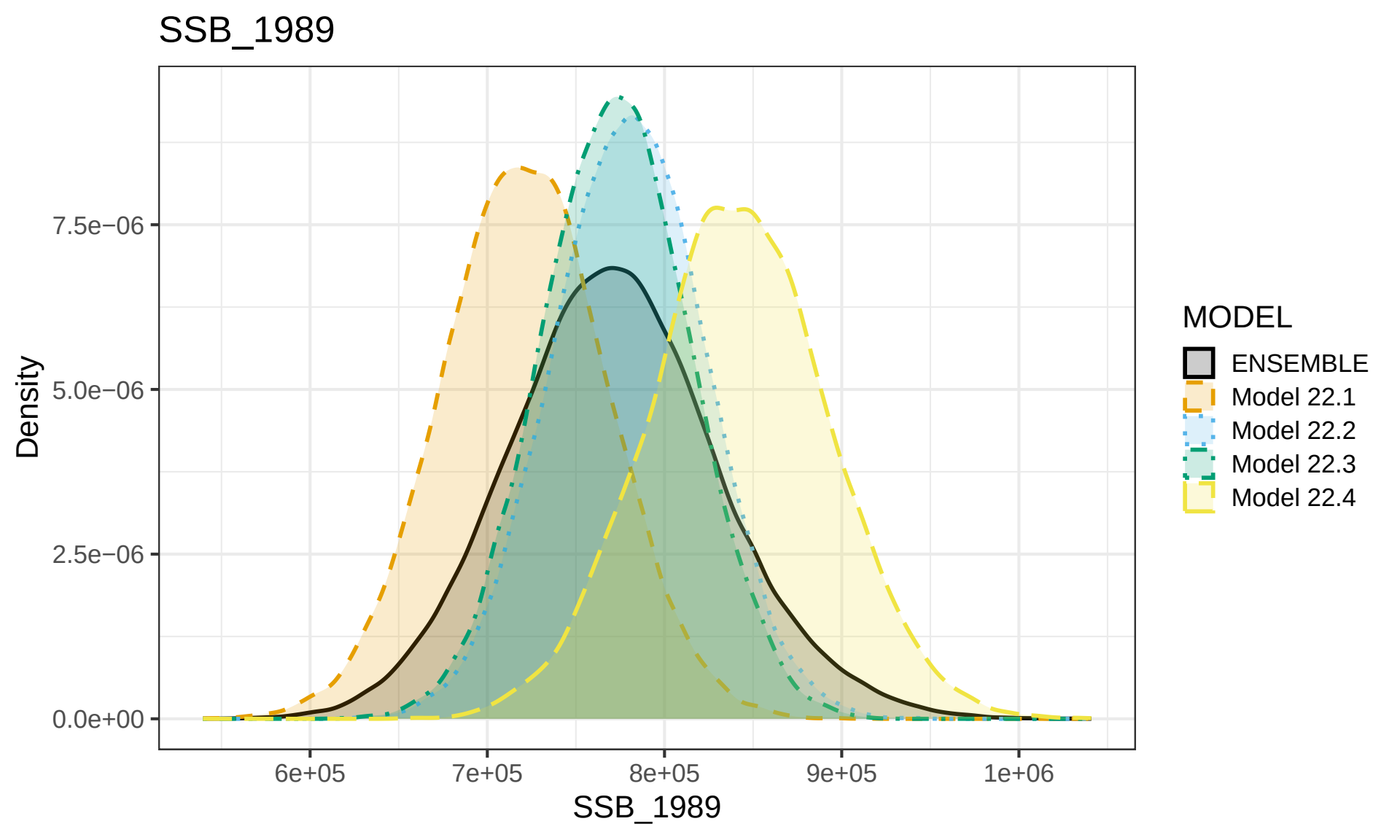

SSB_1984
6e−06
4e−06
2e−06
0e+00
Density
600000
800000
1000000
1200000
SSB_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

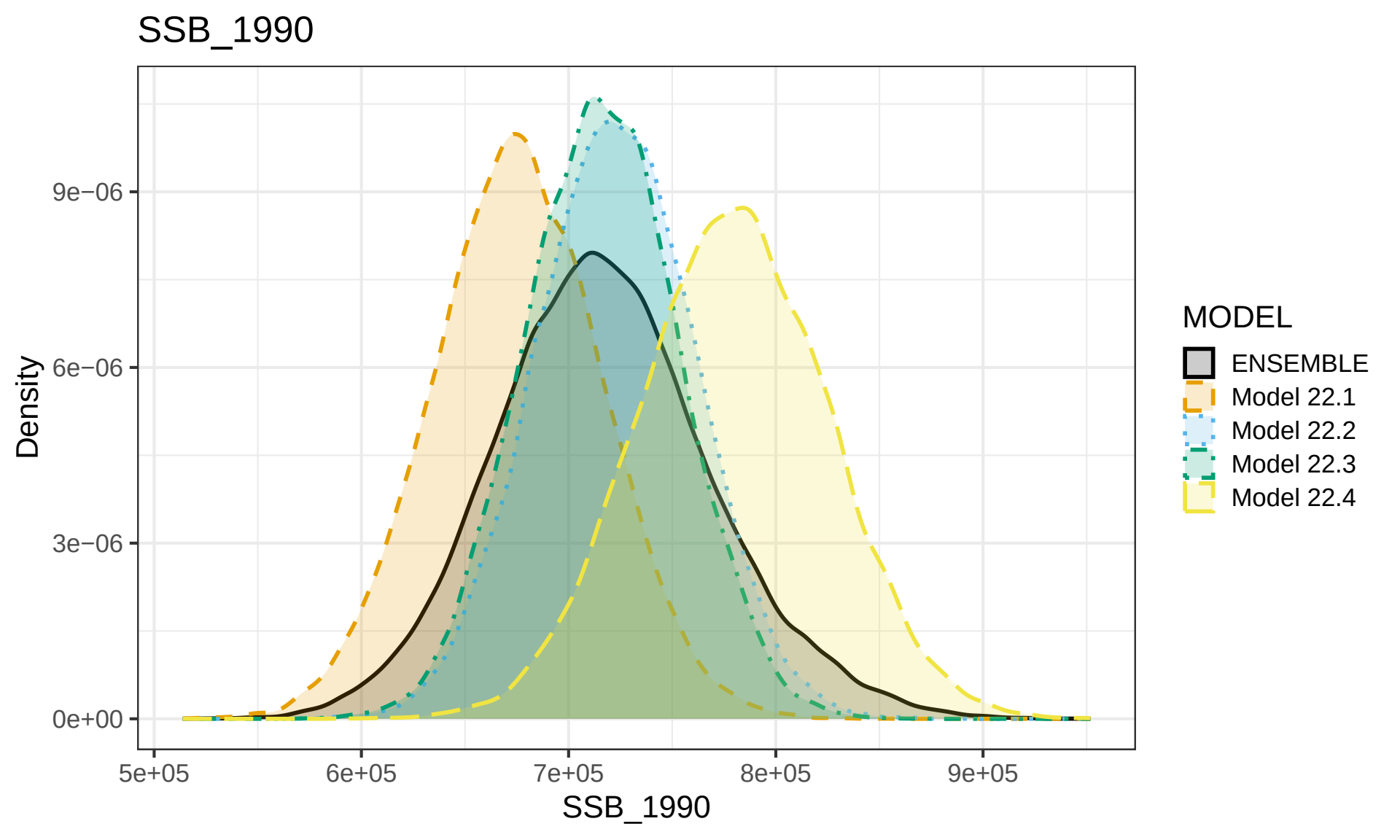

SSB_1985
Density
6e−06
4e−06
2e−06
0e+00
600000
800000
1000000
1200000
SSB_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

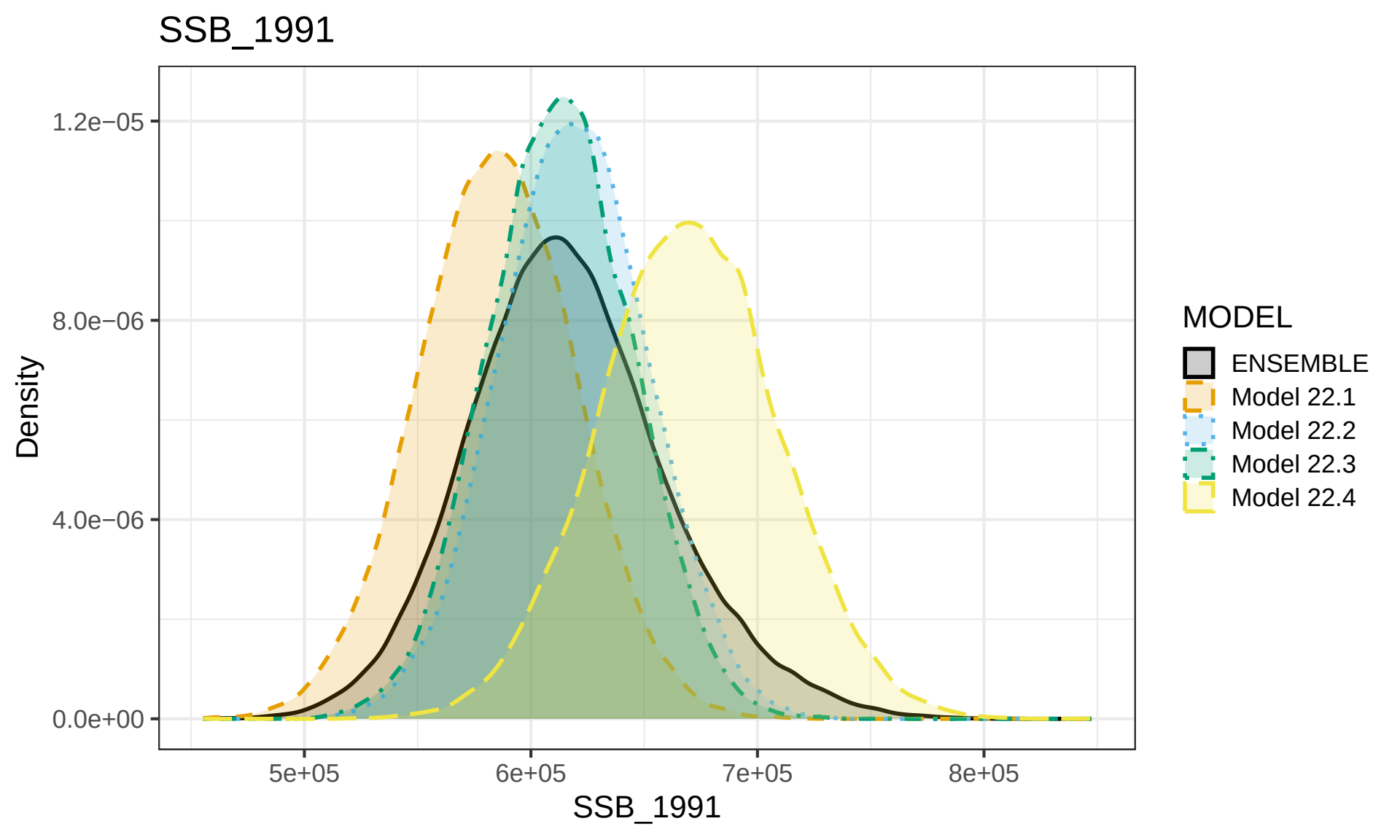

SSB_1986
Density
6e−06
4e−06
2e−06
0e+00
6e+05
8e+05
1e+06
SSB_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

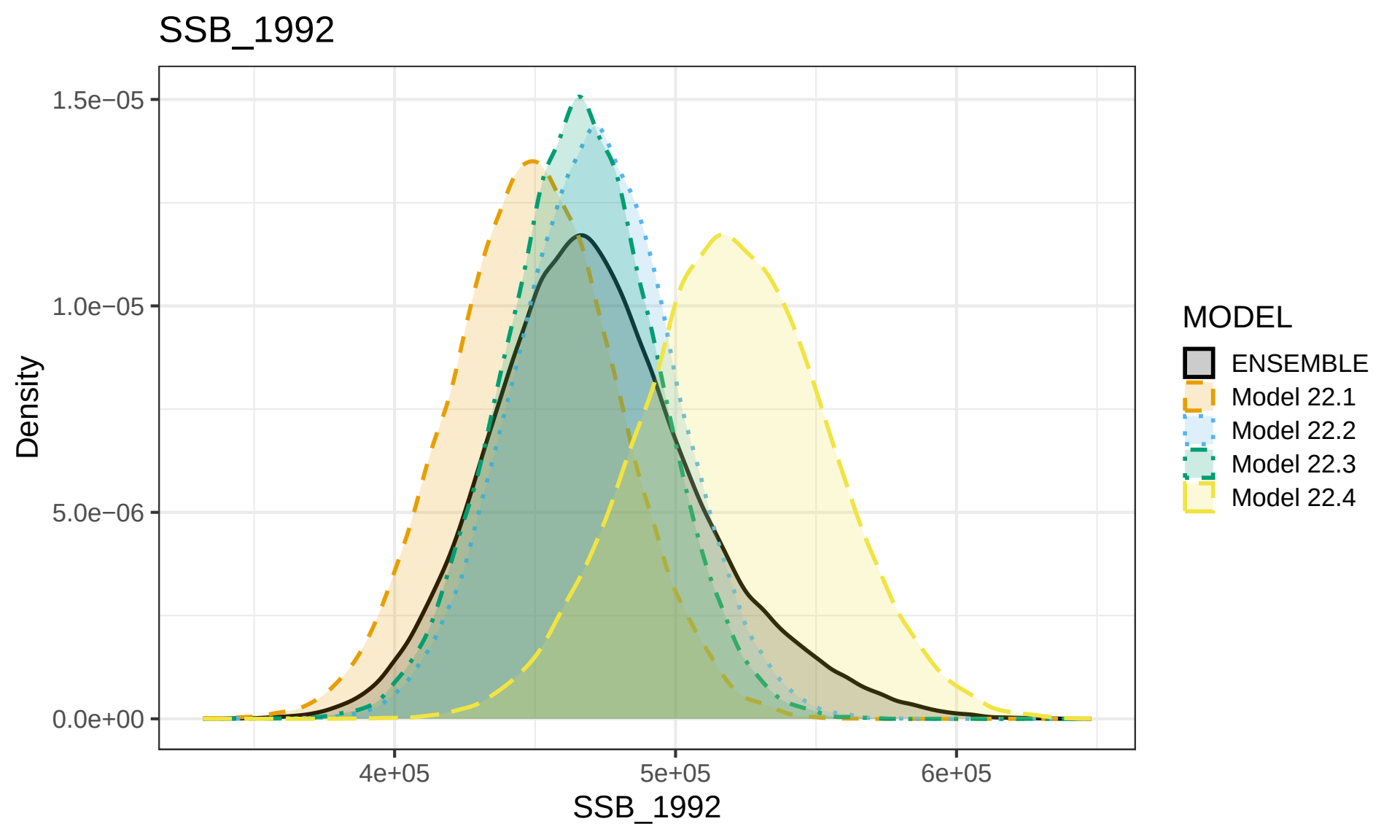

SSB_1987
8e−06
6e−06
4e−06
2e−06
0e+00
Density
600000
700000
800000
900000
1000000
1100000
SSB_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

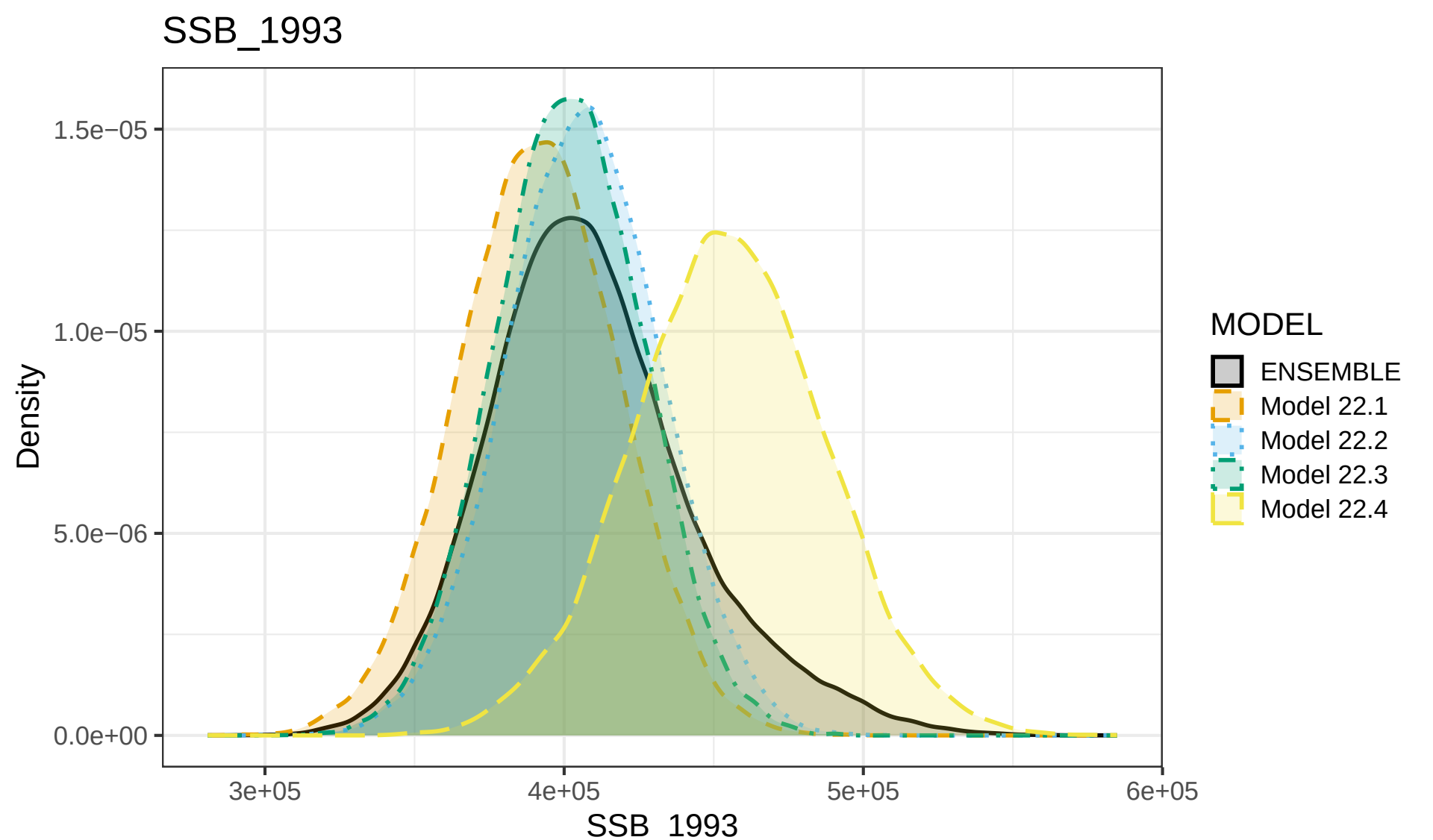

SSB_1988
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
600000
700000
800000
900000
1000000
1100000
SSB_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

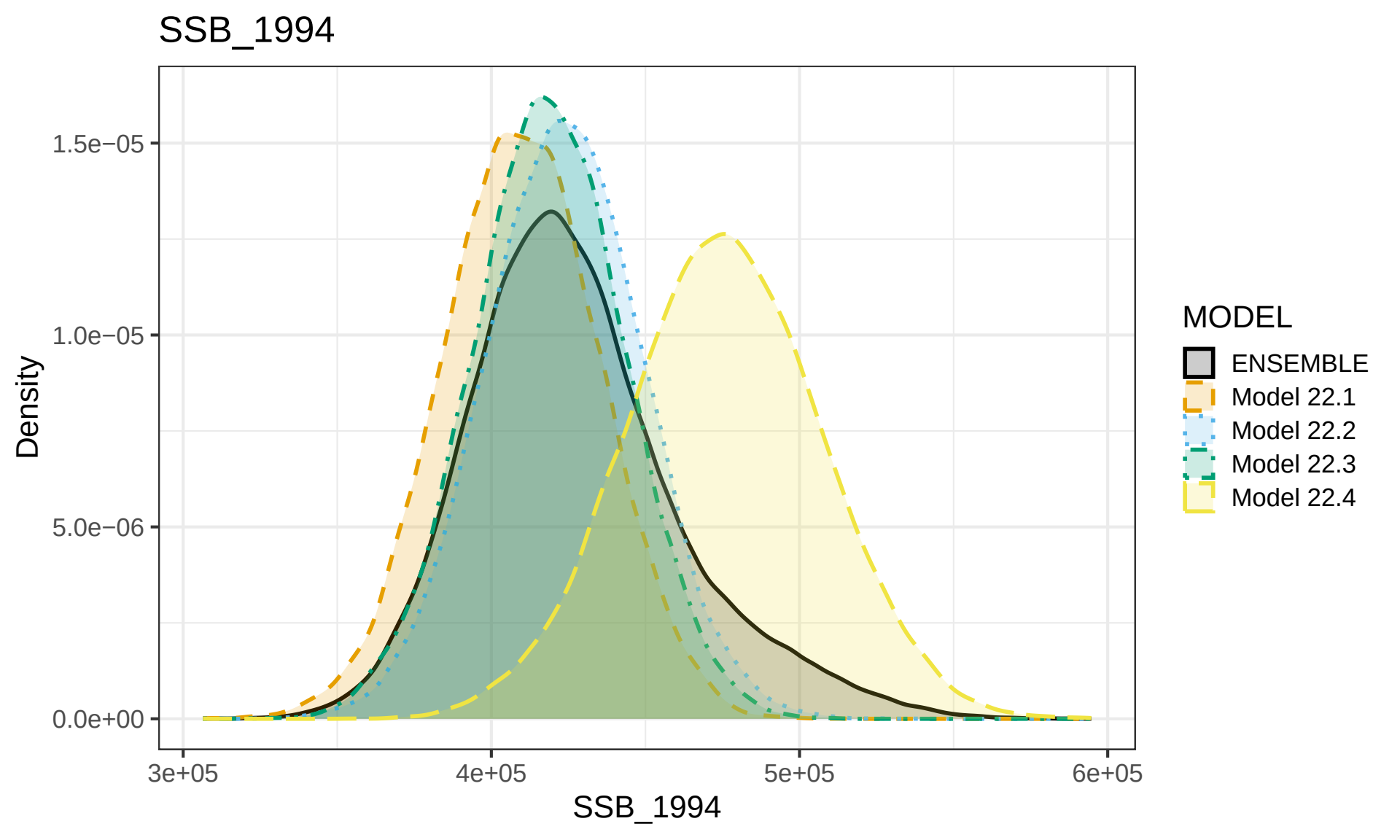

SSB_1989
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
6e+05
7e+05
8e+05
9e+05
1e+06
SSB_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

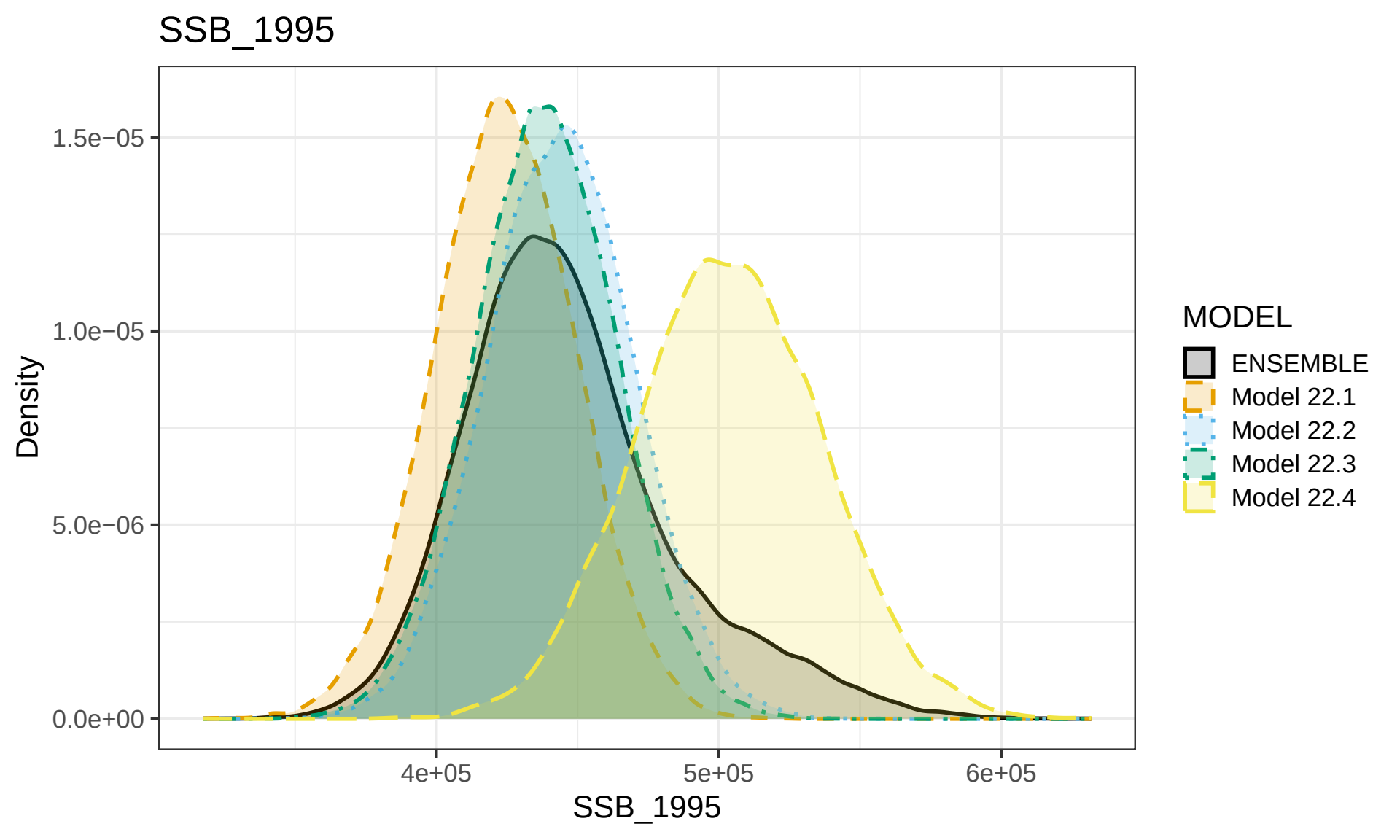

SSB_1990
Density
9e−06
6e−06
3e−06
0e+00
5e+05
6e+05
7e+05
8e+05
9e+05
SSB_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

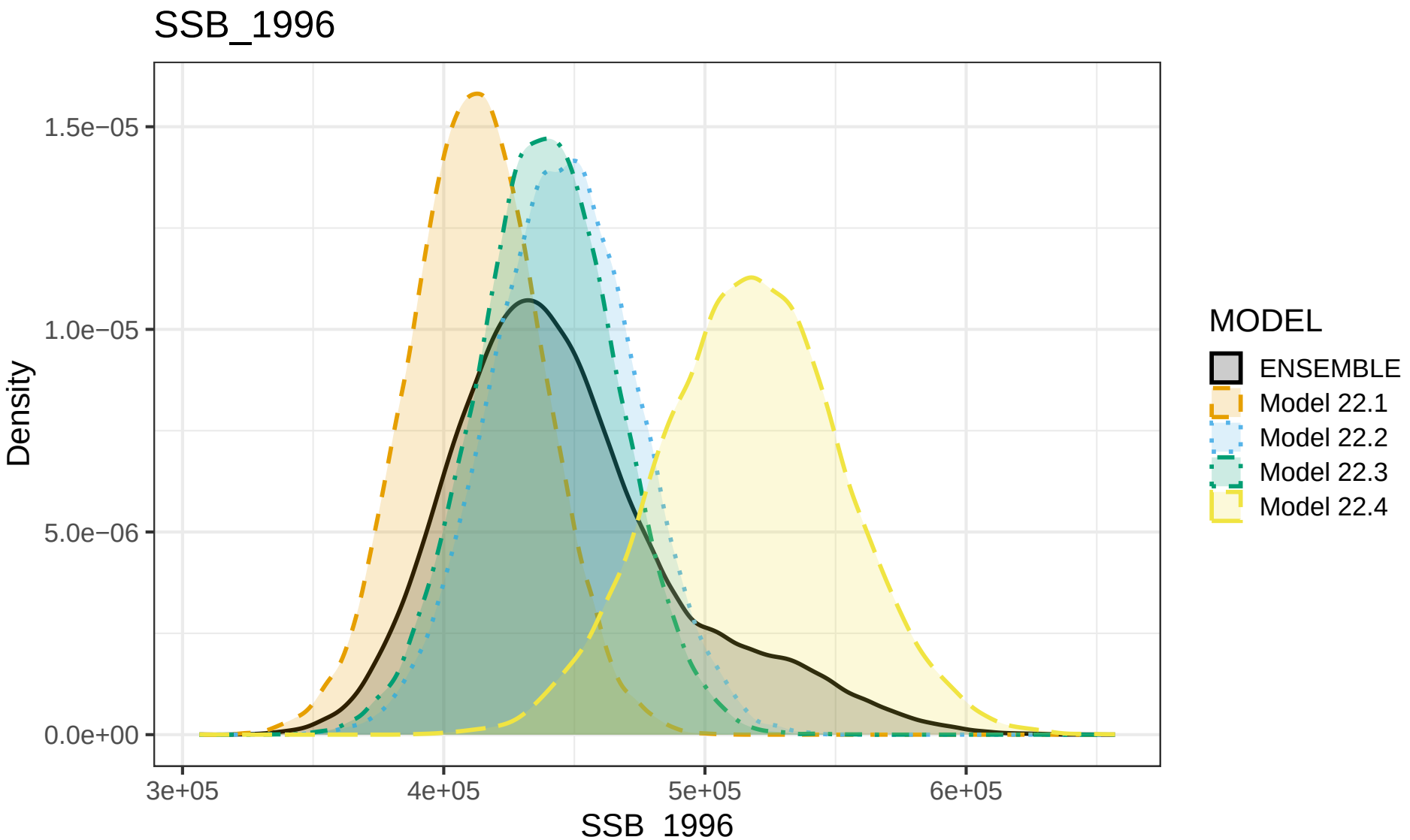

SSB_1991
1.2e−05
8.0e−06
4.0e−06
0.0e+00
Density
5e+05
6e+05
7e+05
8e+05
SSB_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

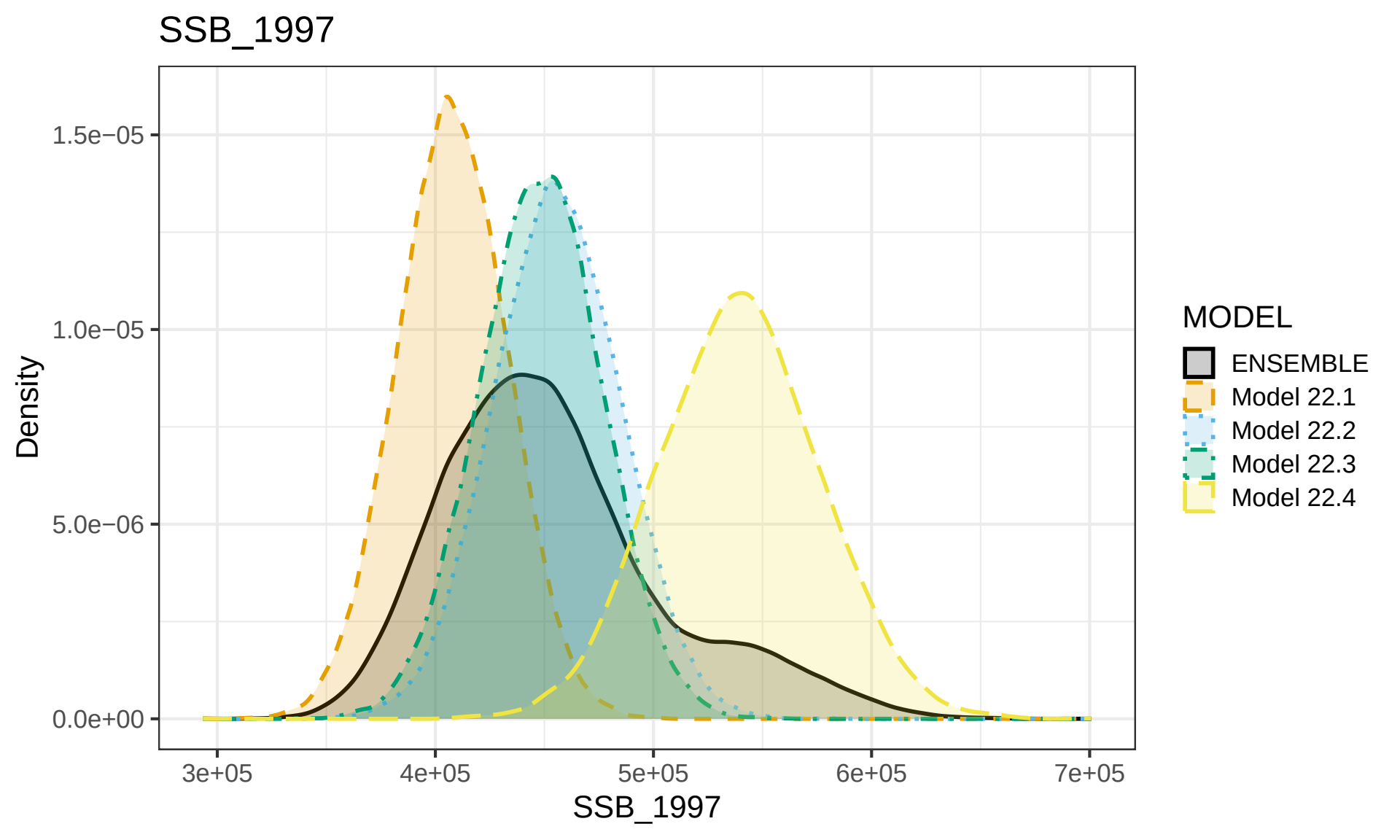

SSB_1992
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
4e+05
5e+05
6e+05
SSB_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

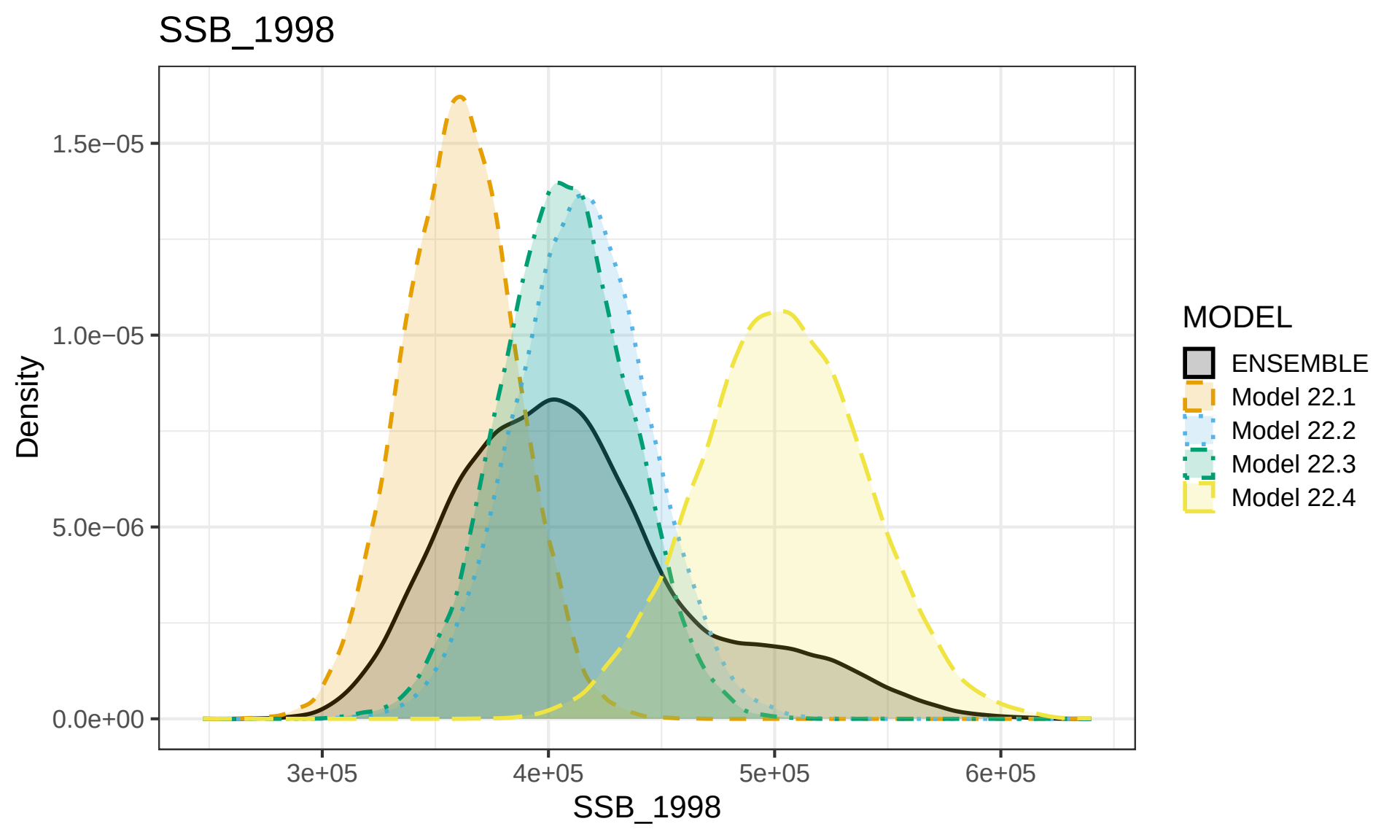

SSB_1993
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

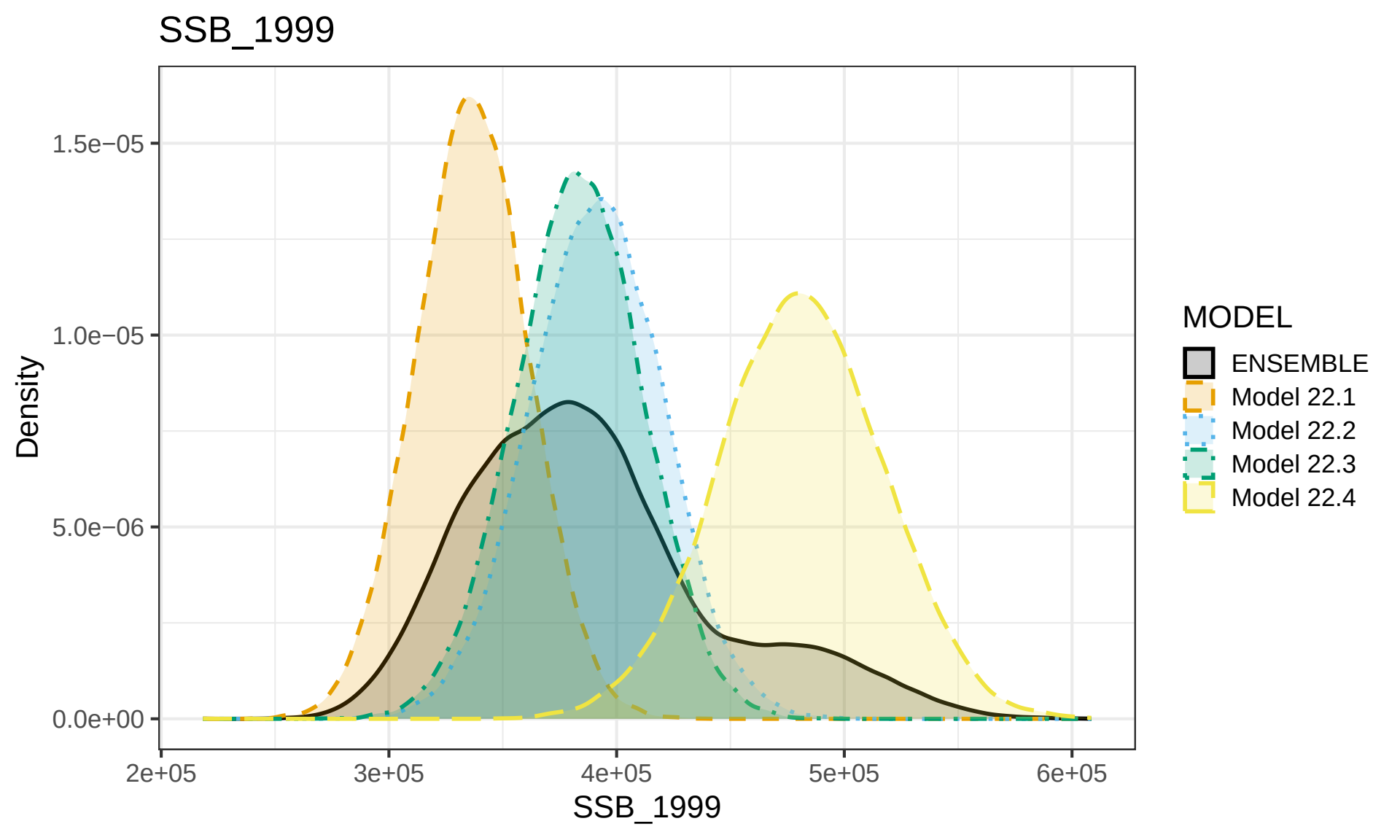

SSB_1994
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

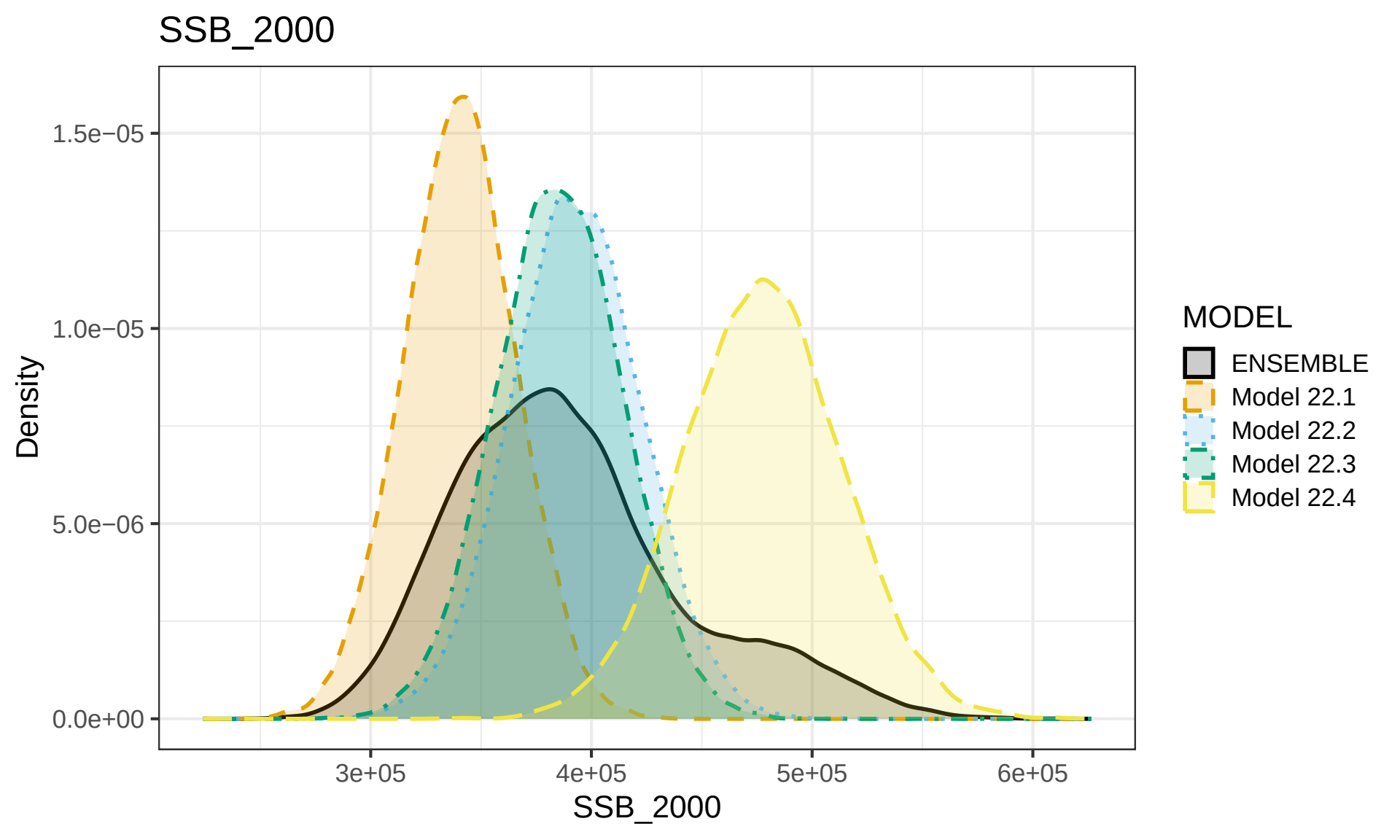

SSB_1995
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
4e+05
5e+05
6e+05
SSB_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

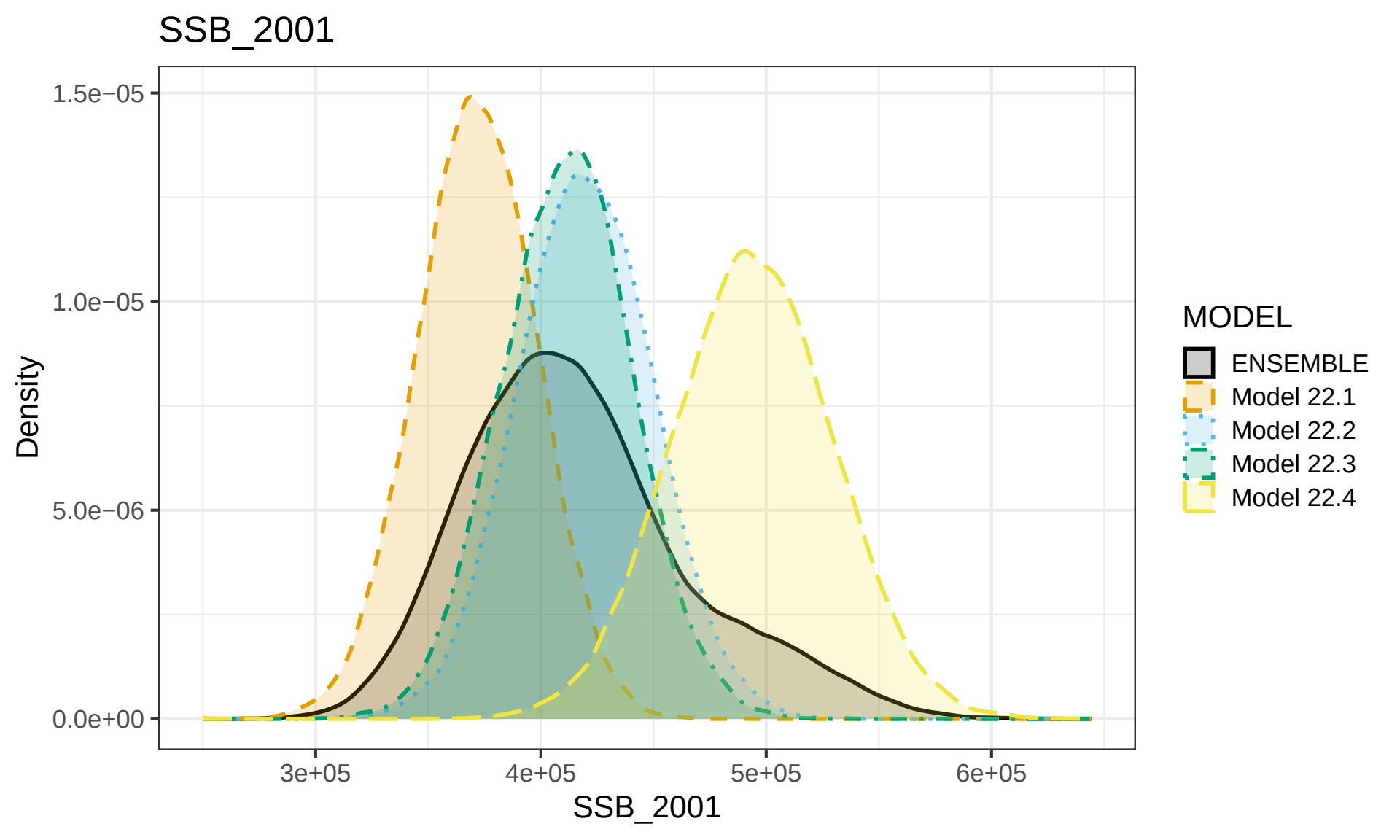

SSB_1996
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

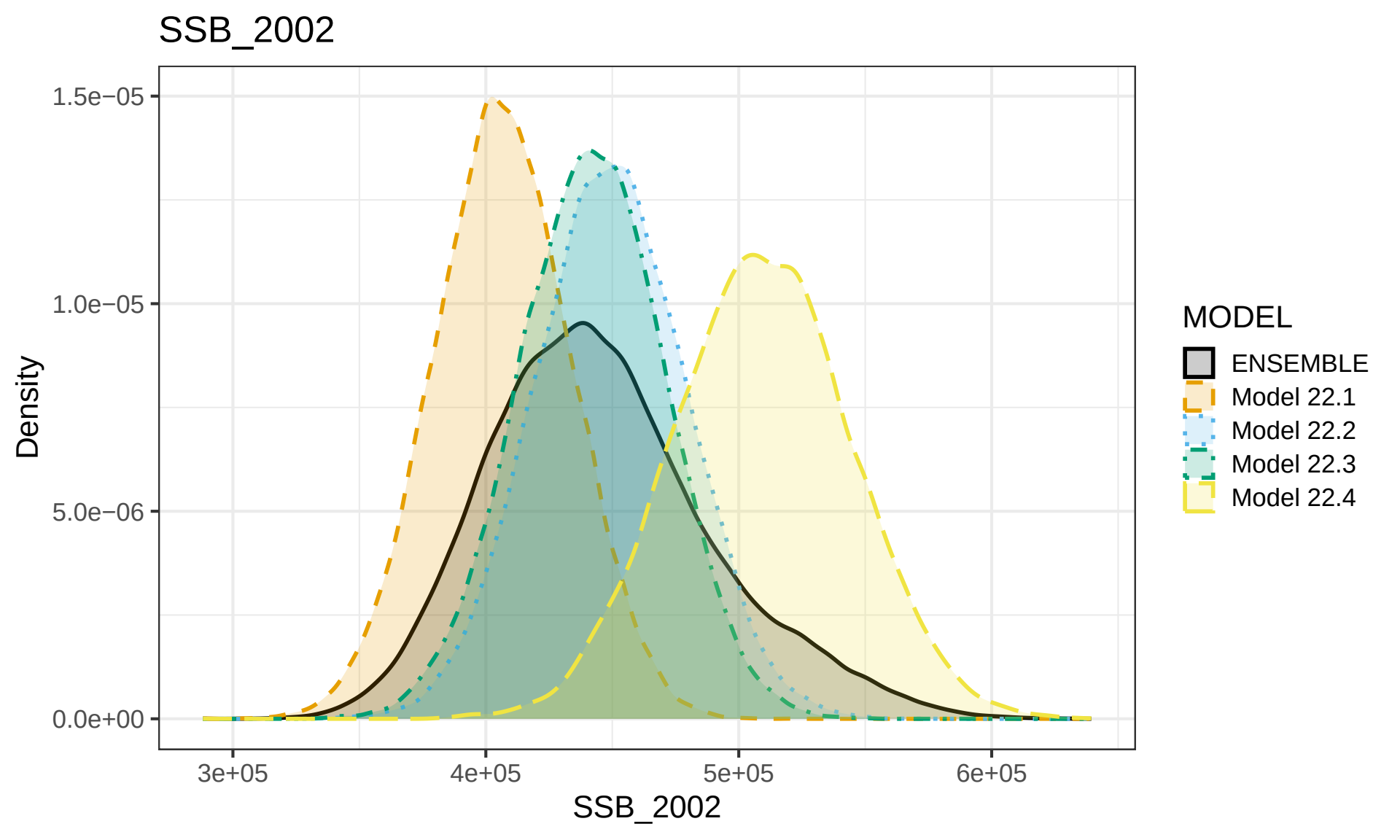

SSB_1997
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
7e+05
SSB_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

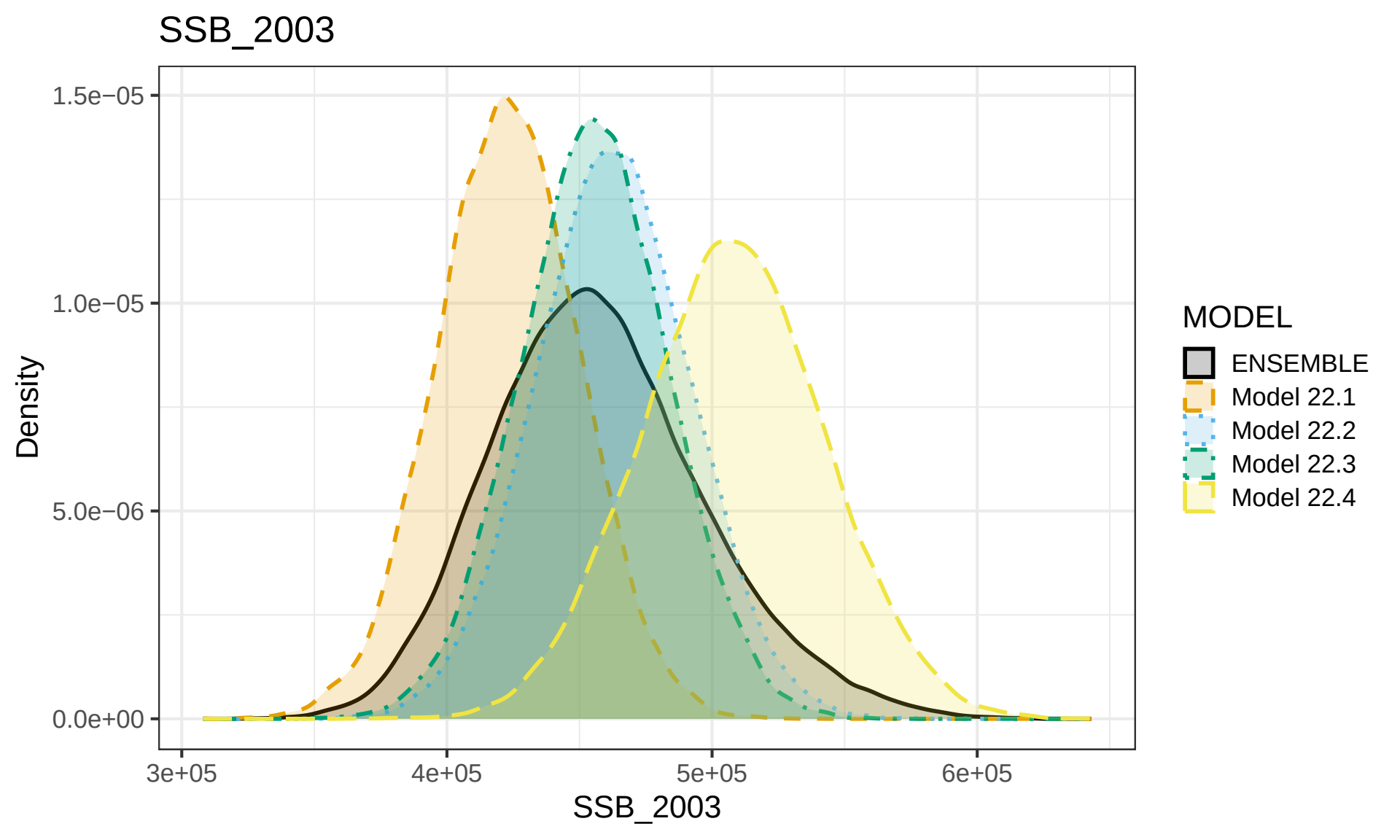

SSB_1998
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

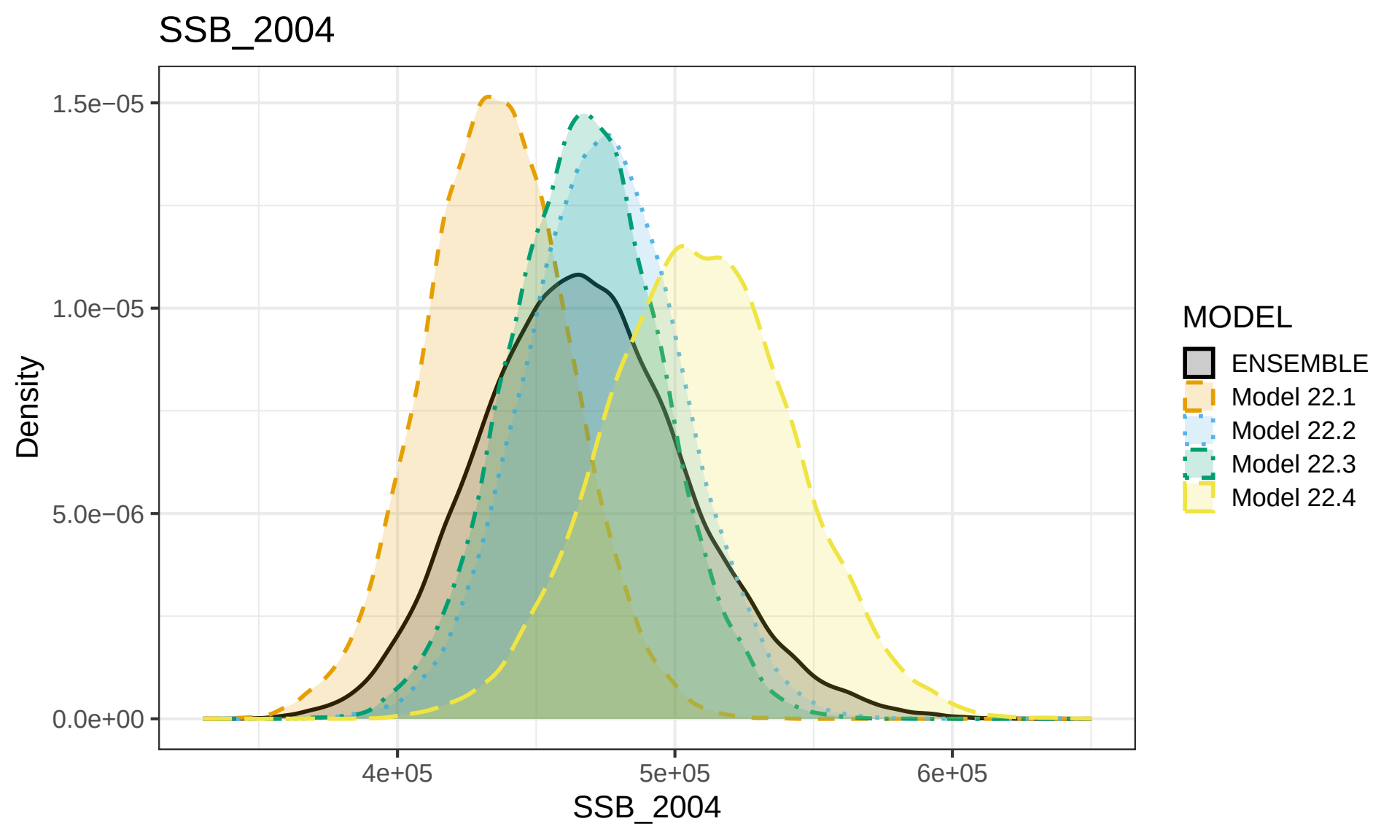

SSB_1999
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
6e+05
SSB_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

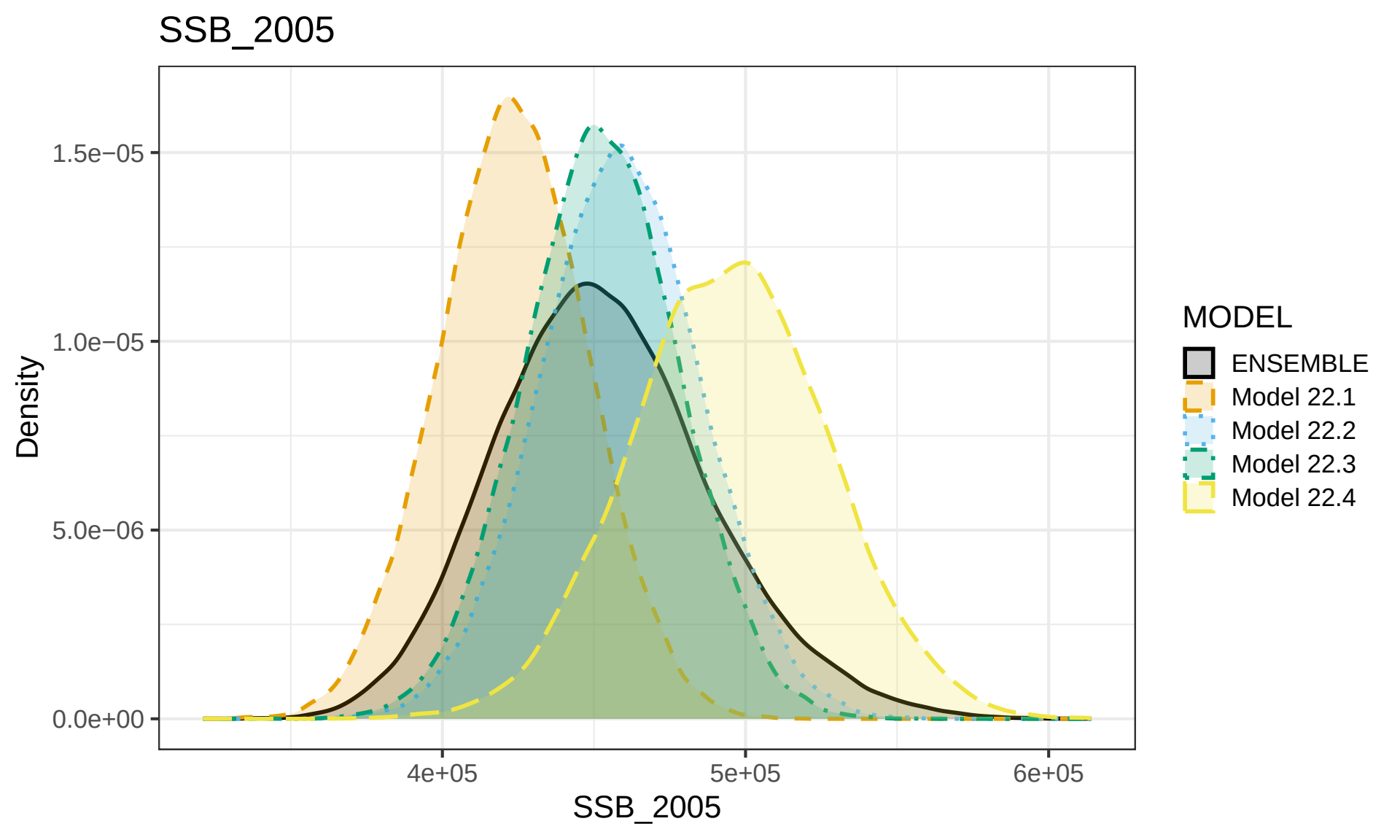

SSB_2000
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

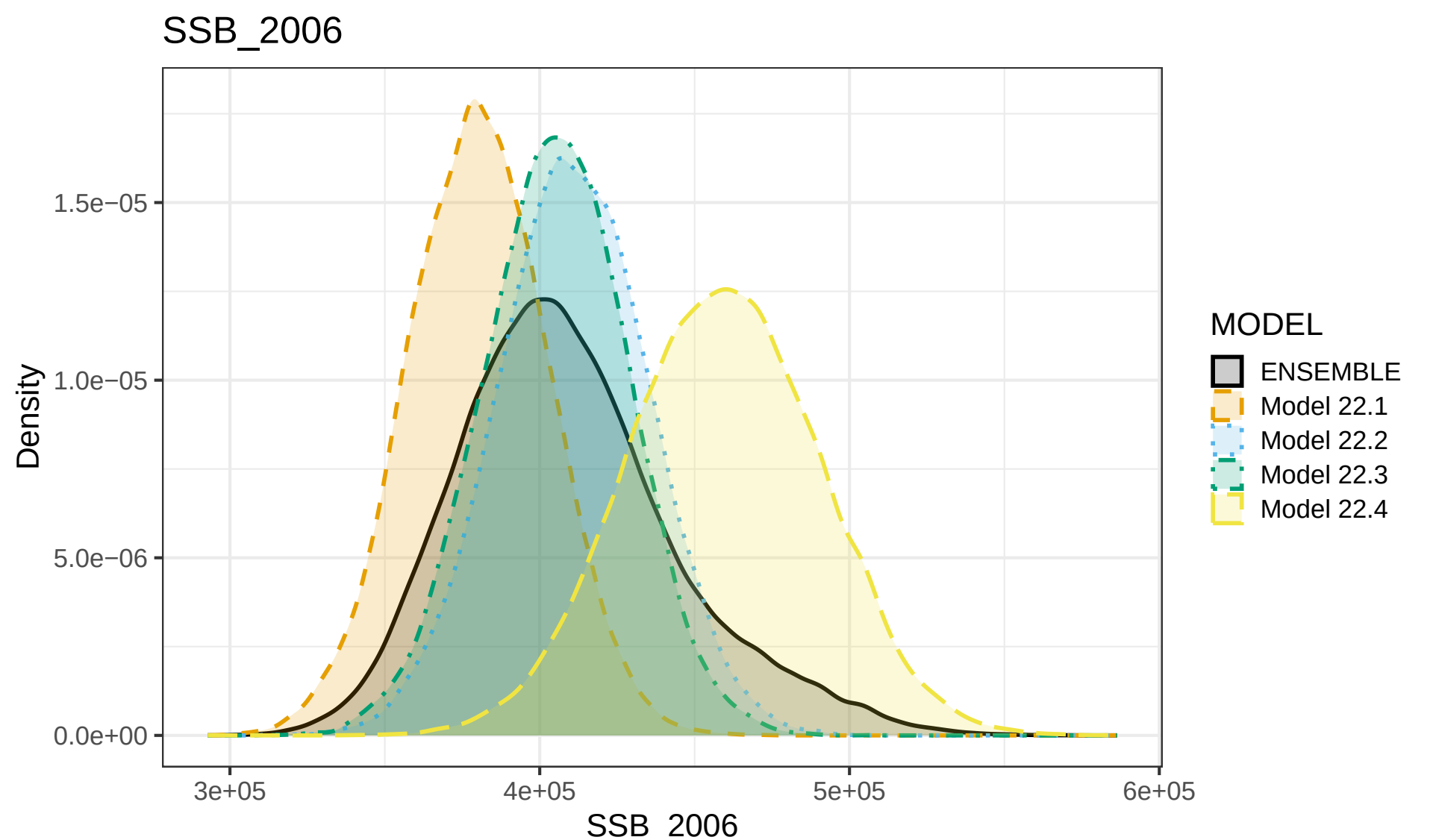

SSB_2001
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

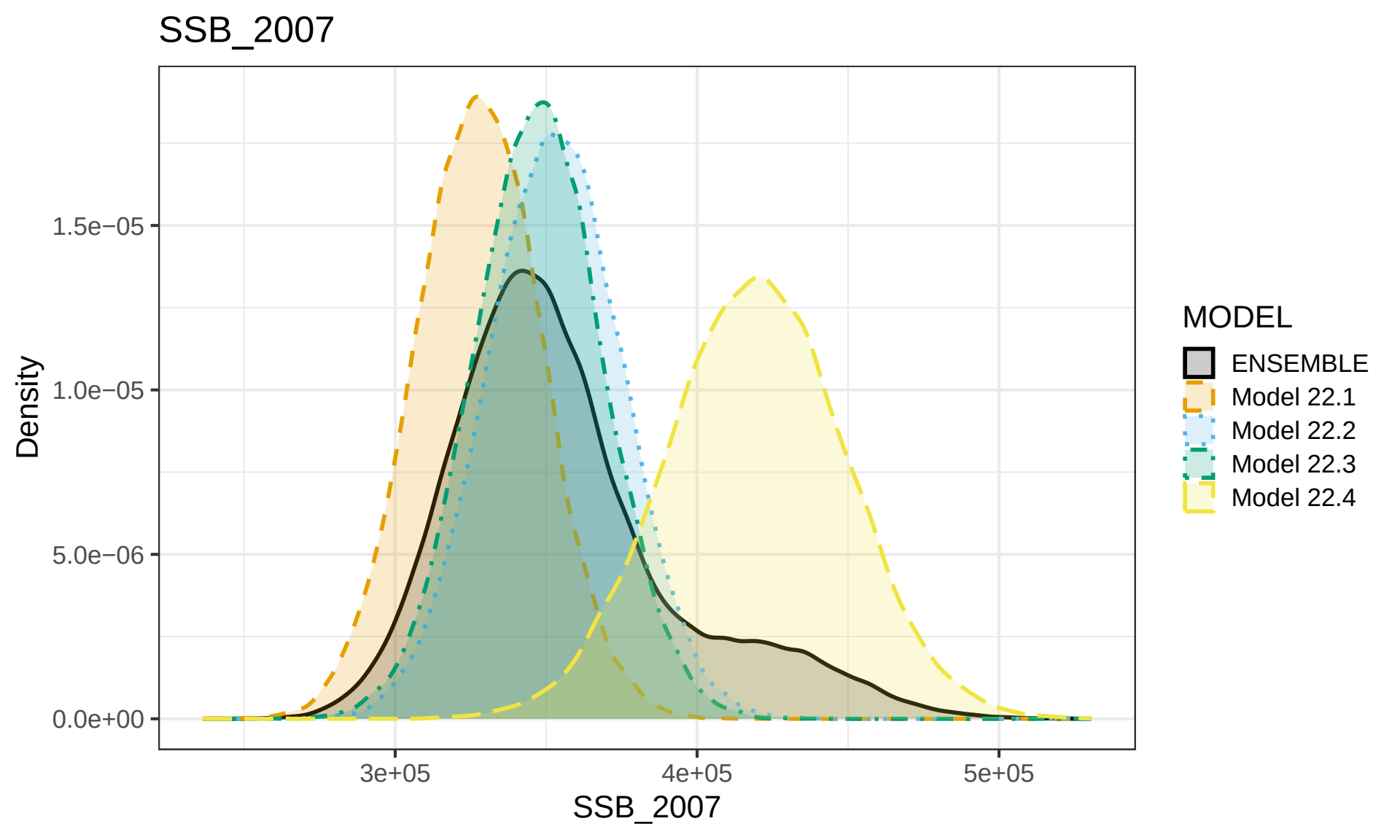

SSB_2002
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

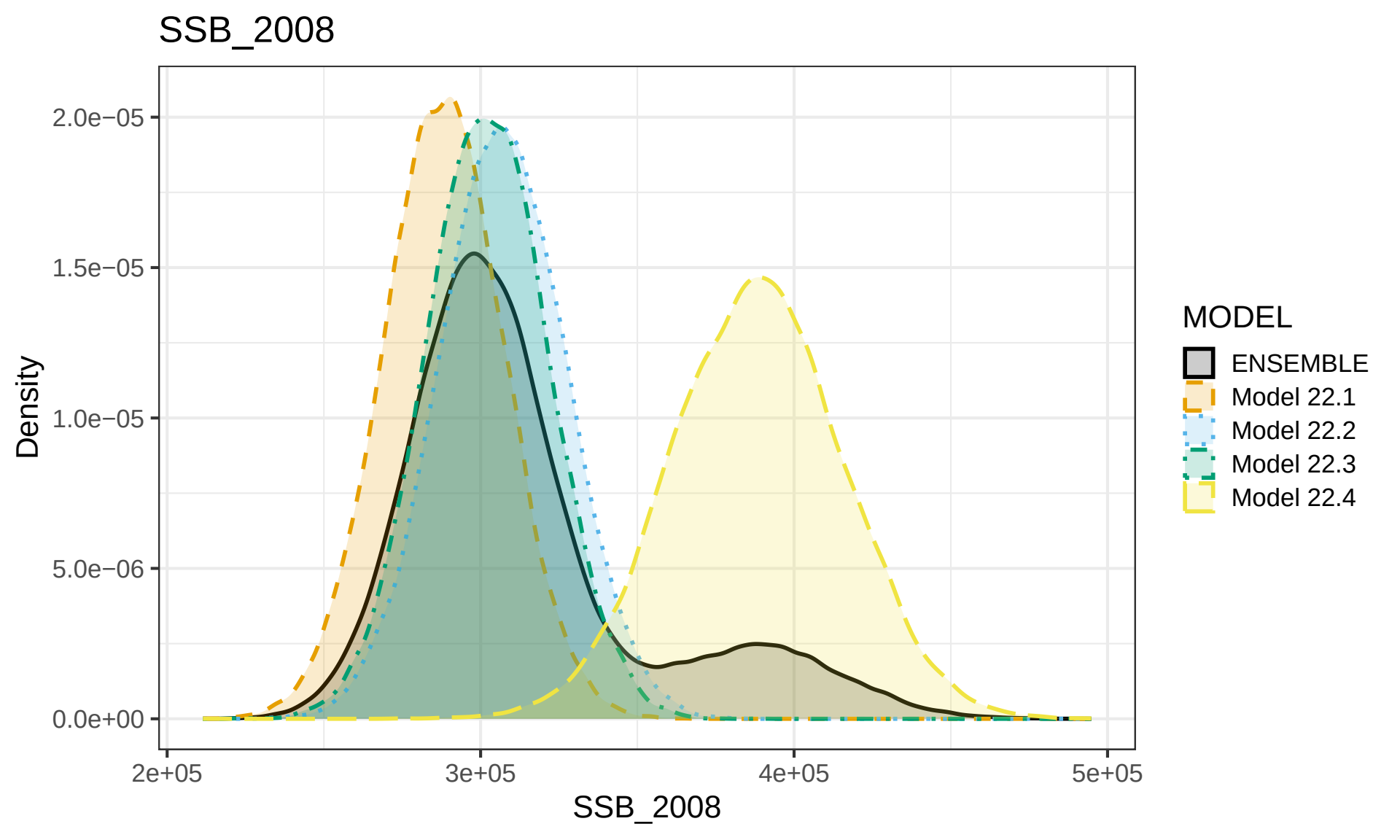

SSB_2003
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

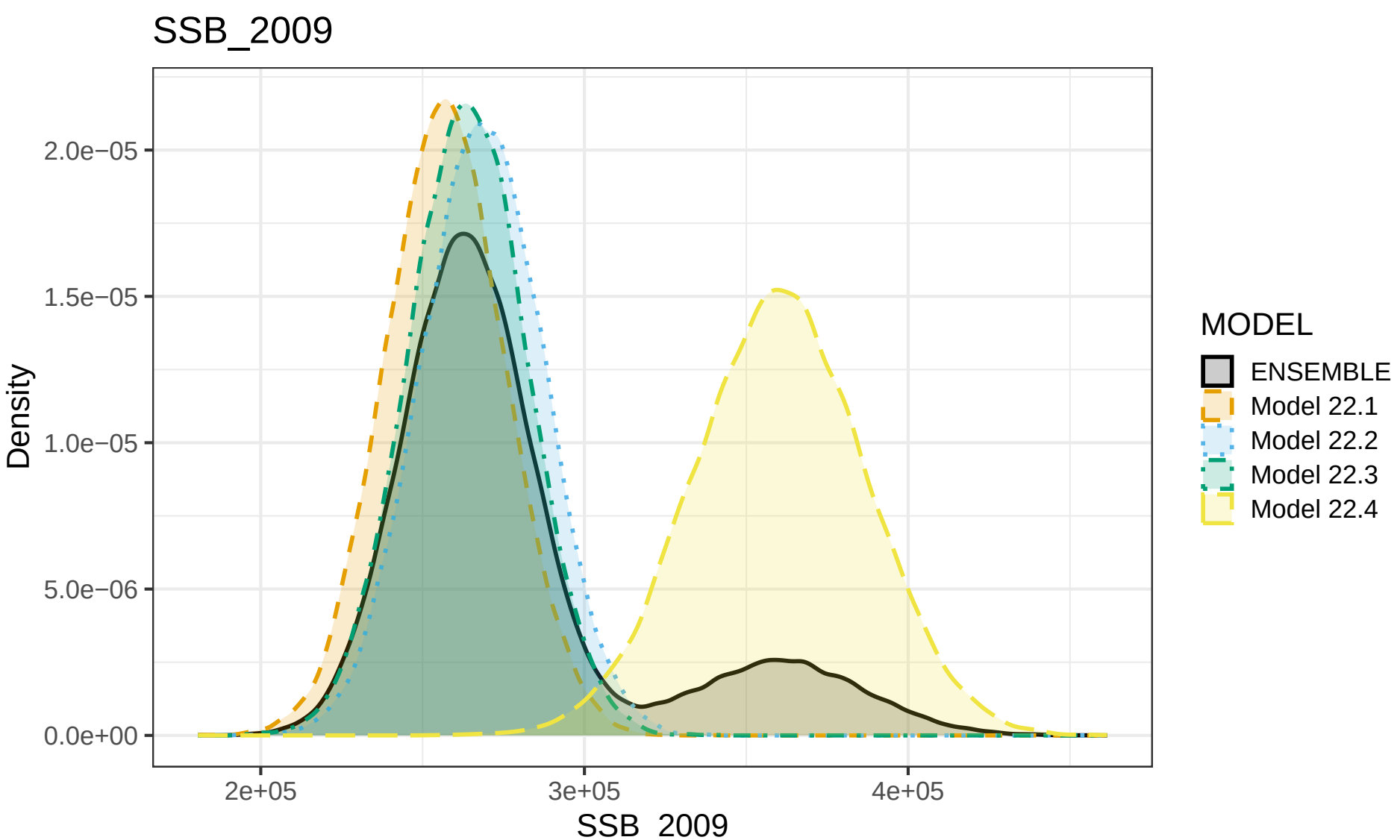

SSB_2004
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
4e+05
5e+05
6e+05
SSB_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

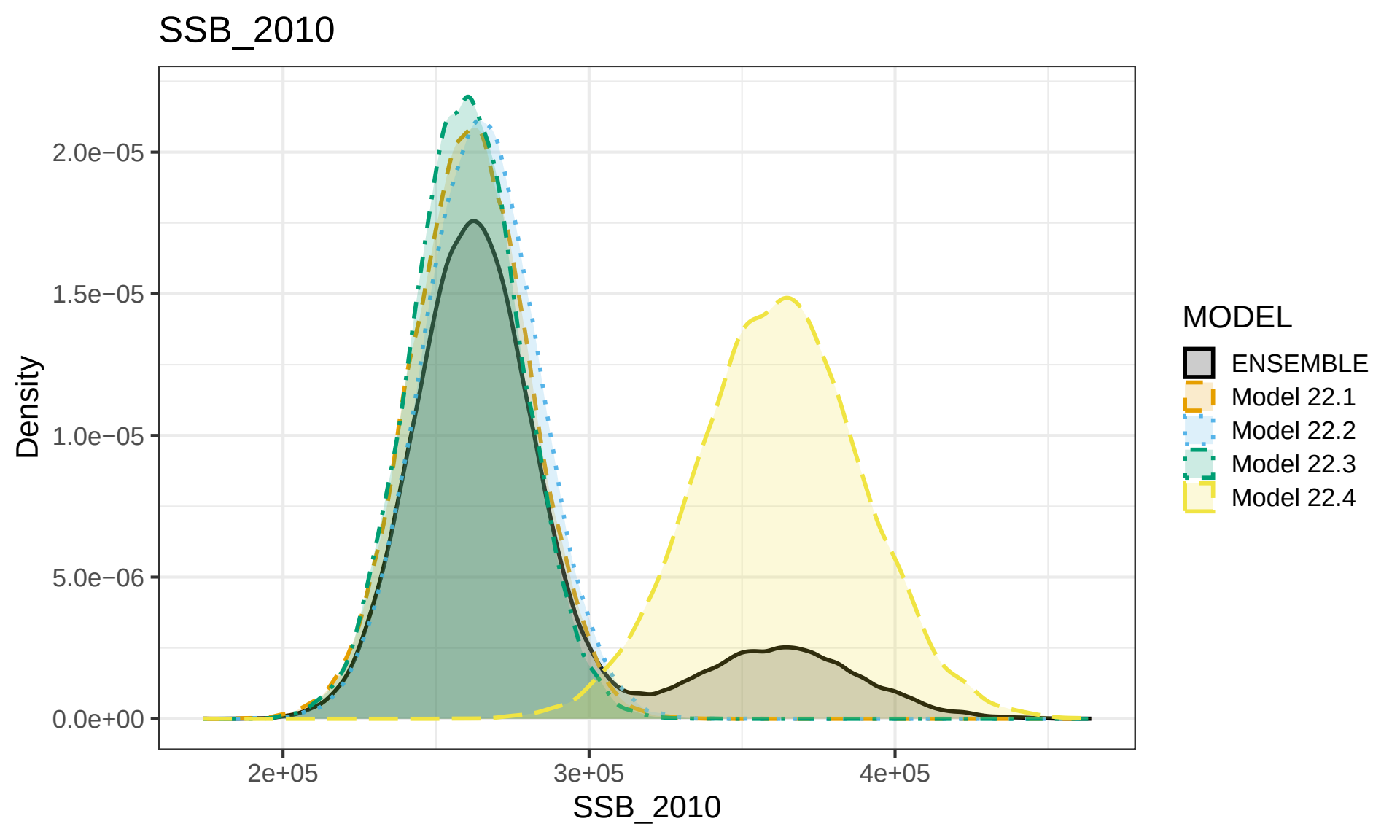

SSB_2005
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
4e+05
5e+05
6e+05
SSB_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

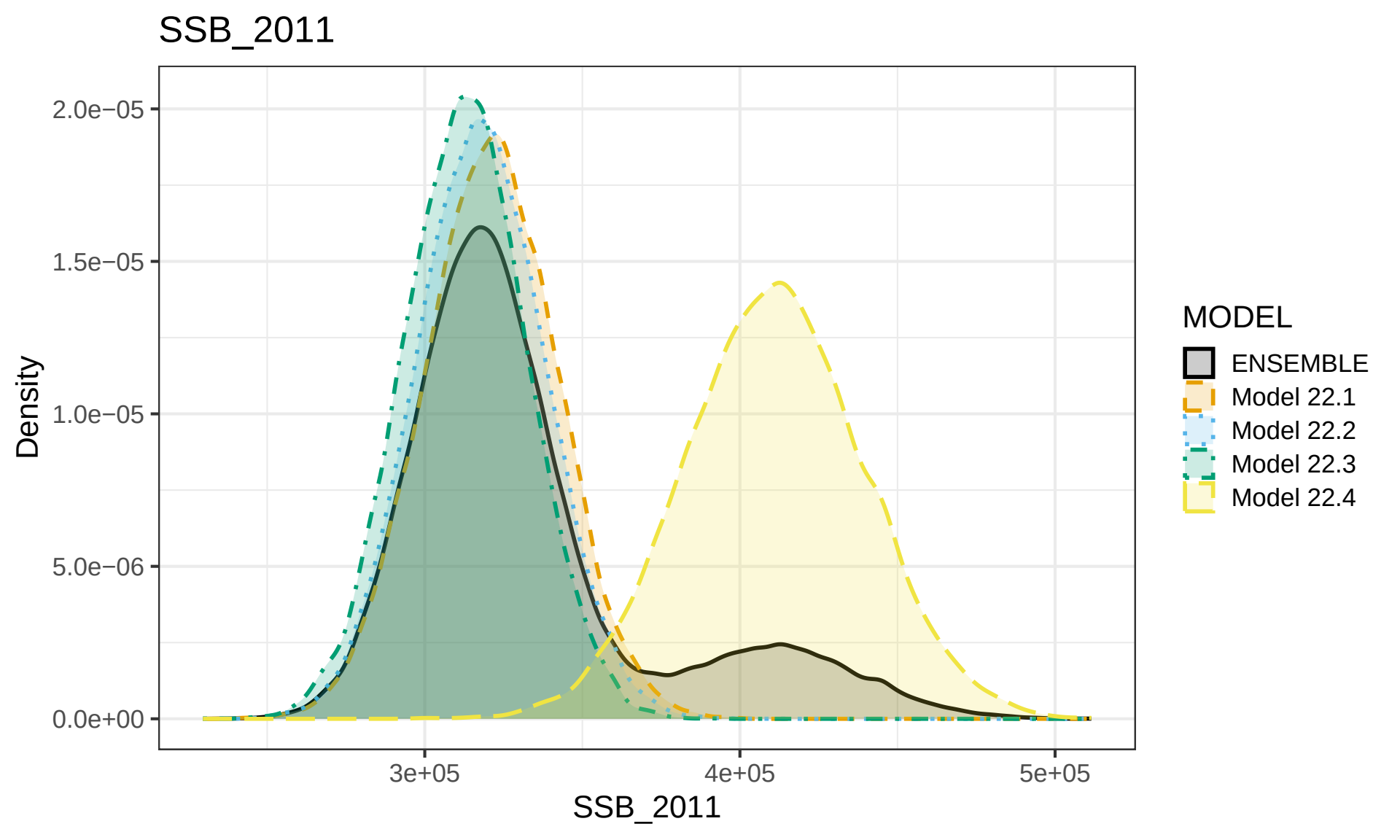

SSB_2006
Density
1.5e−05
1.0e−05
5.0e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
SSB_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

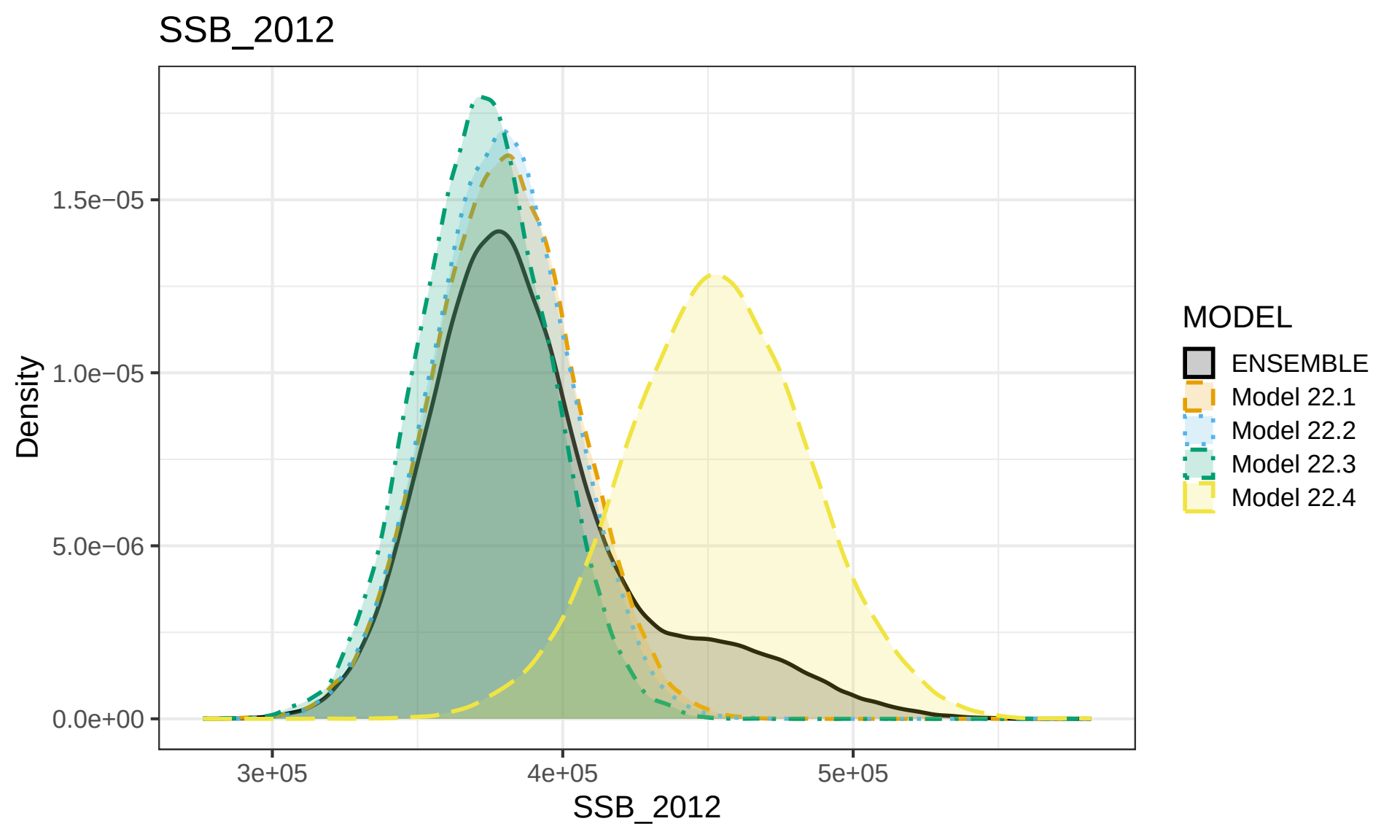

SSB_2007
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
SSB_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

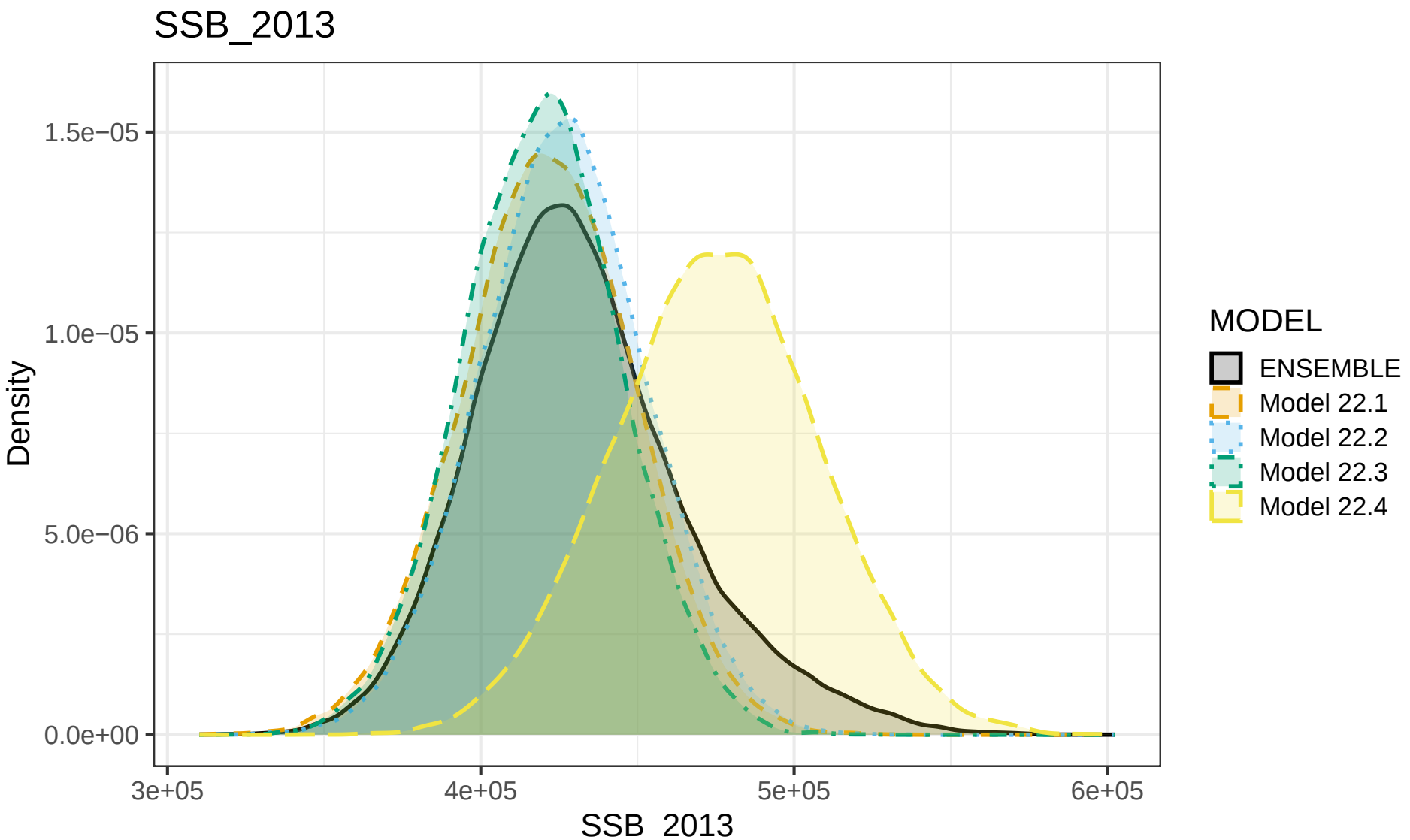

SSB_2008
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
SSB_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

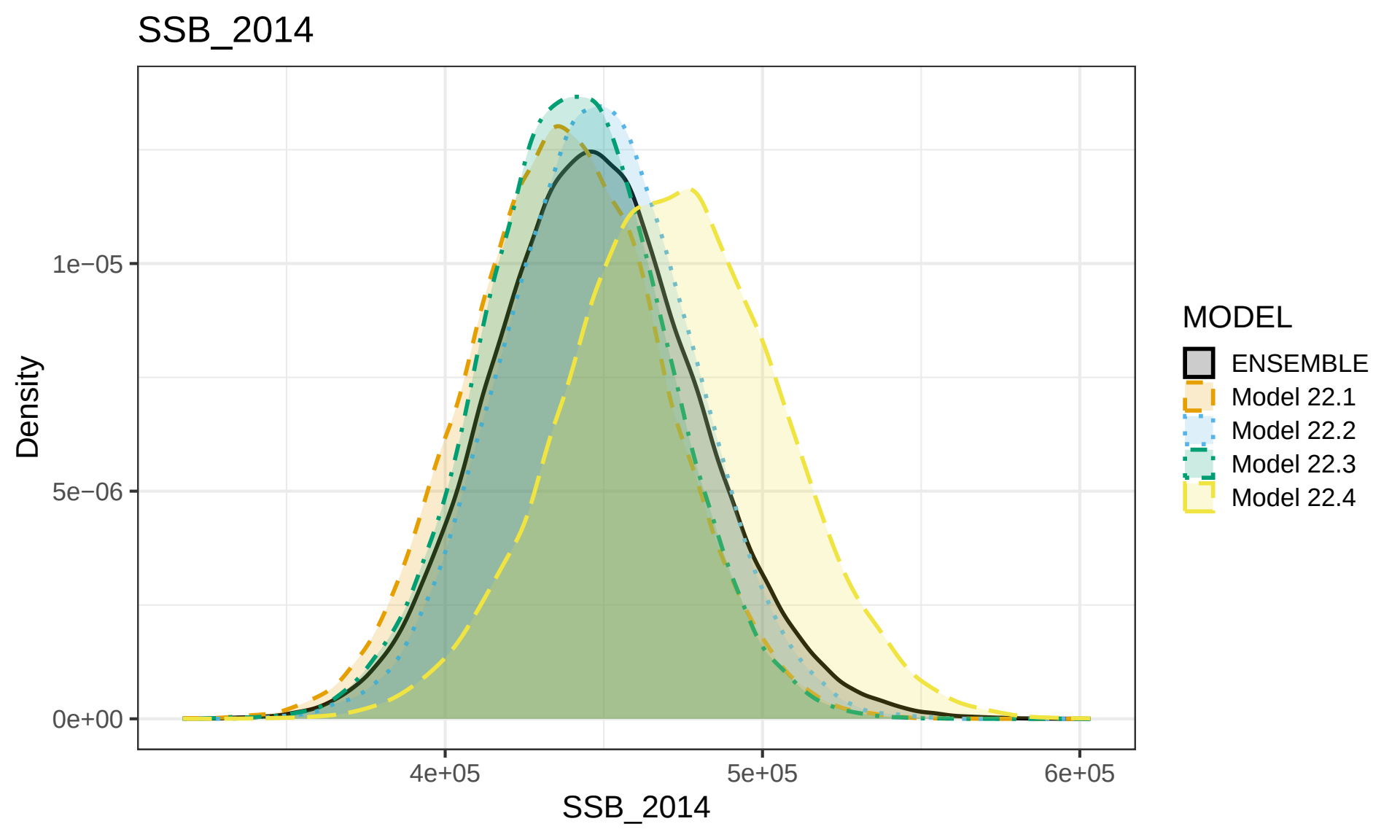

SSB_2009
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
2e+05
3e+05
4e+05
SSB_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

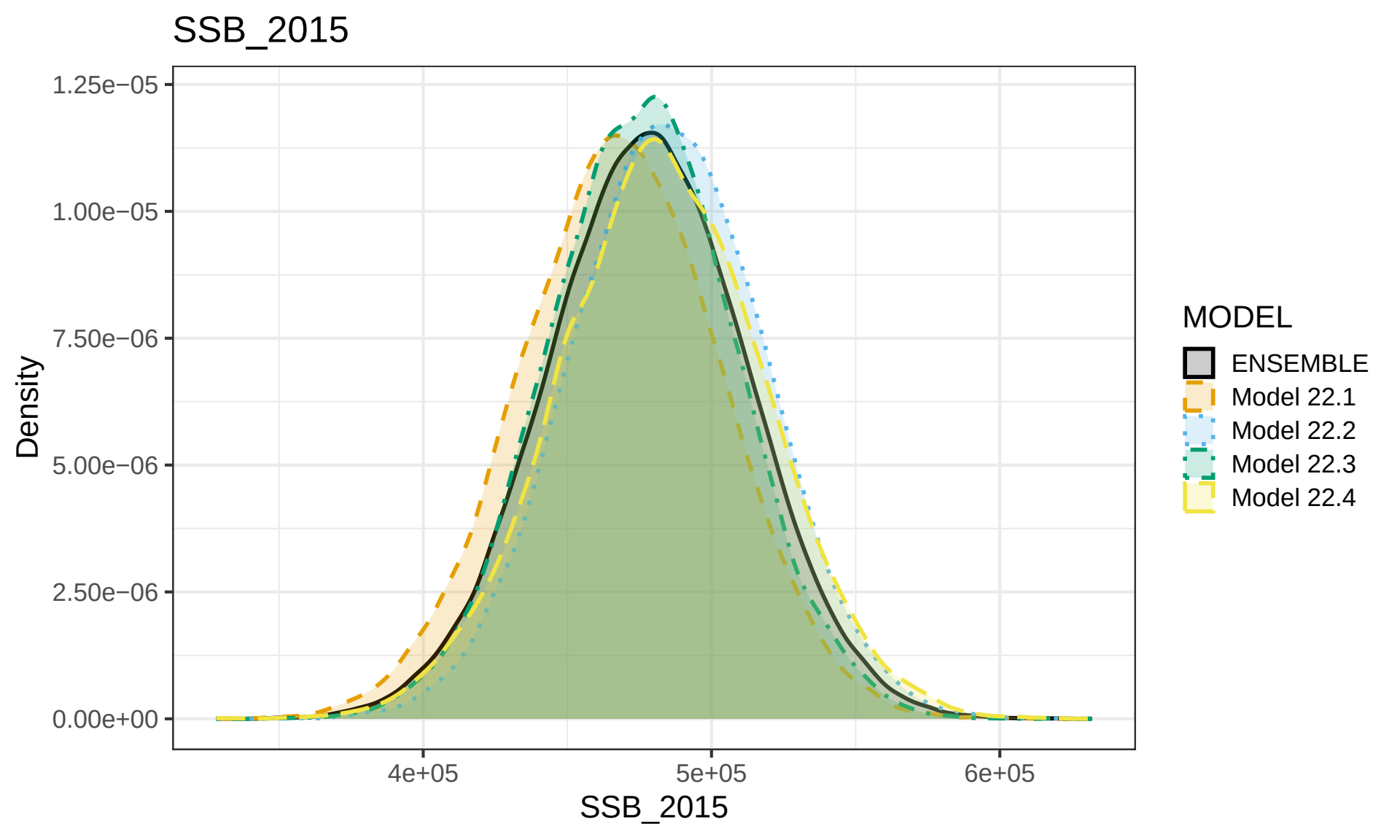

SSB_2010
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
2e+05
3e+05
4e+05
SSB_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

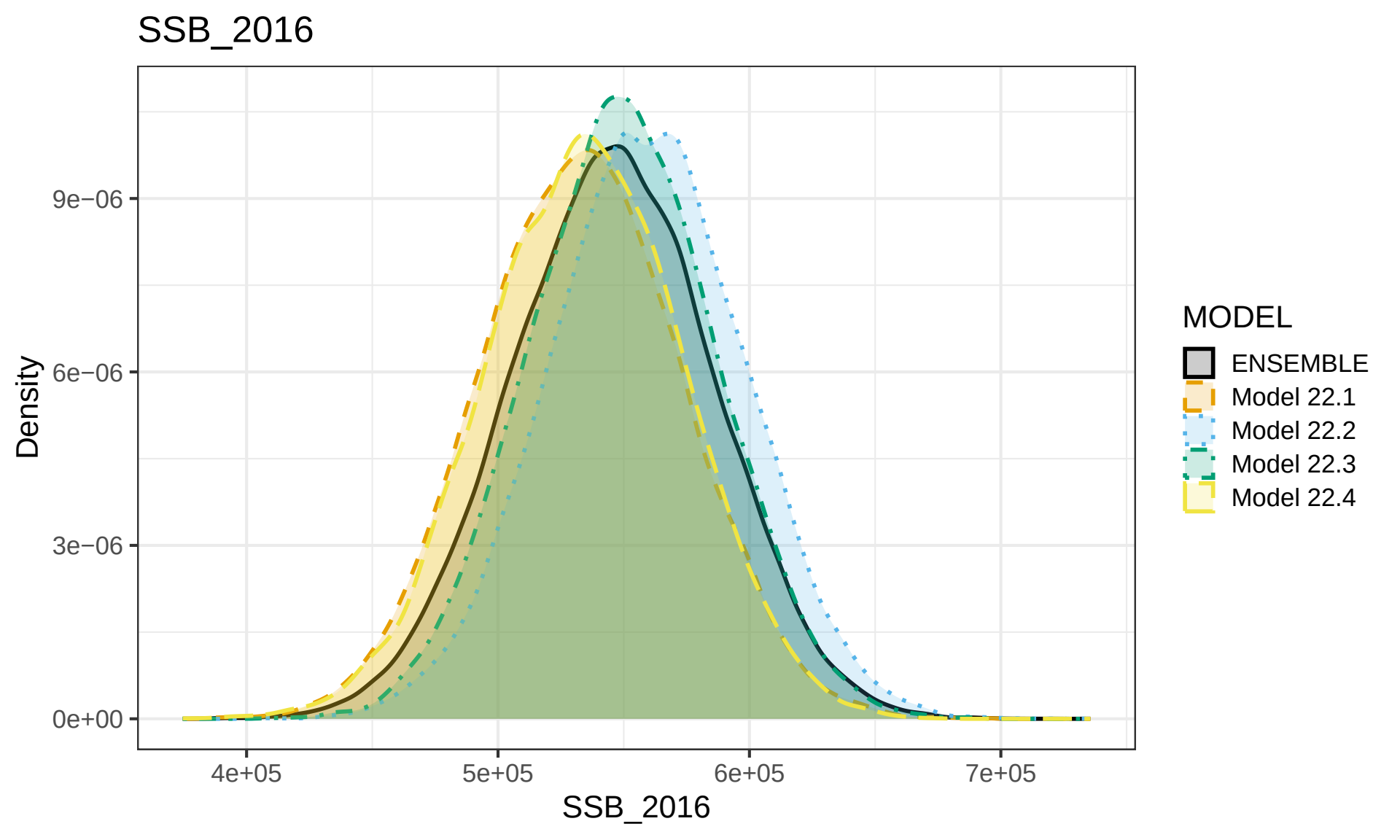

SSB_2011
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
SSB_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

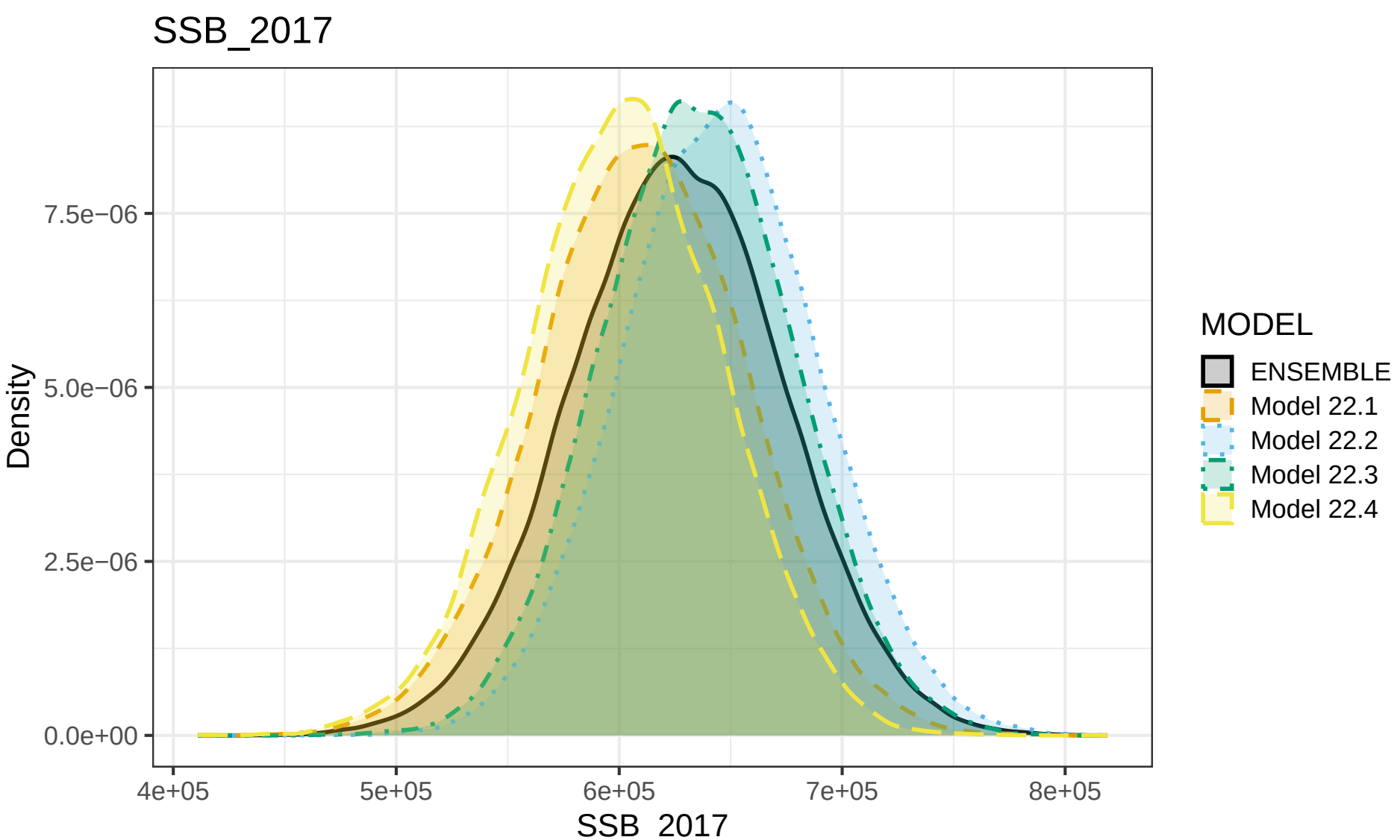

SSB_2012
Density
1.5e−05
1.0e−05
5.0e−06
0.0e+00
3e+05
4e+05
5e+05
SSB_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

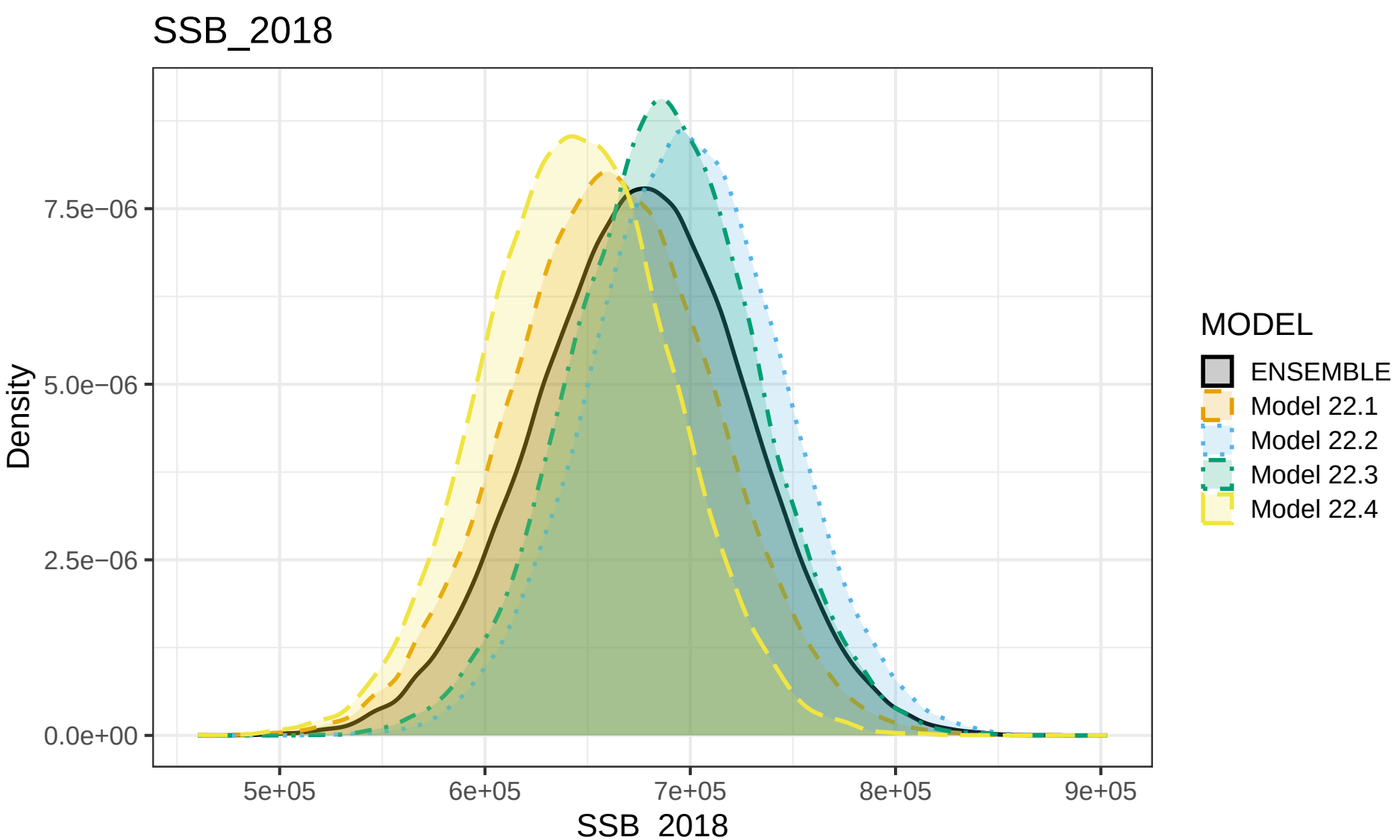

SSB_2013
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

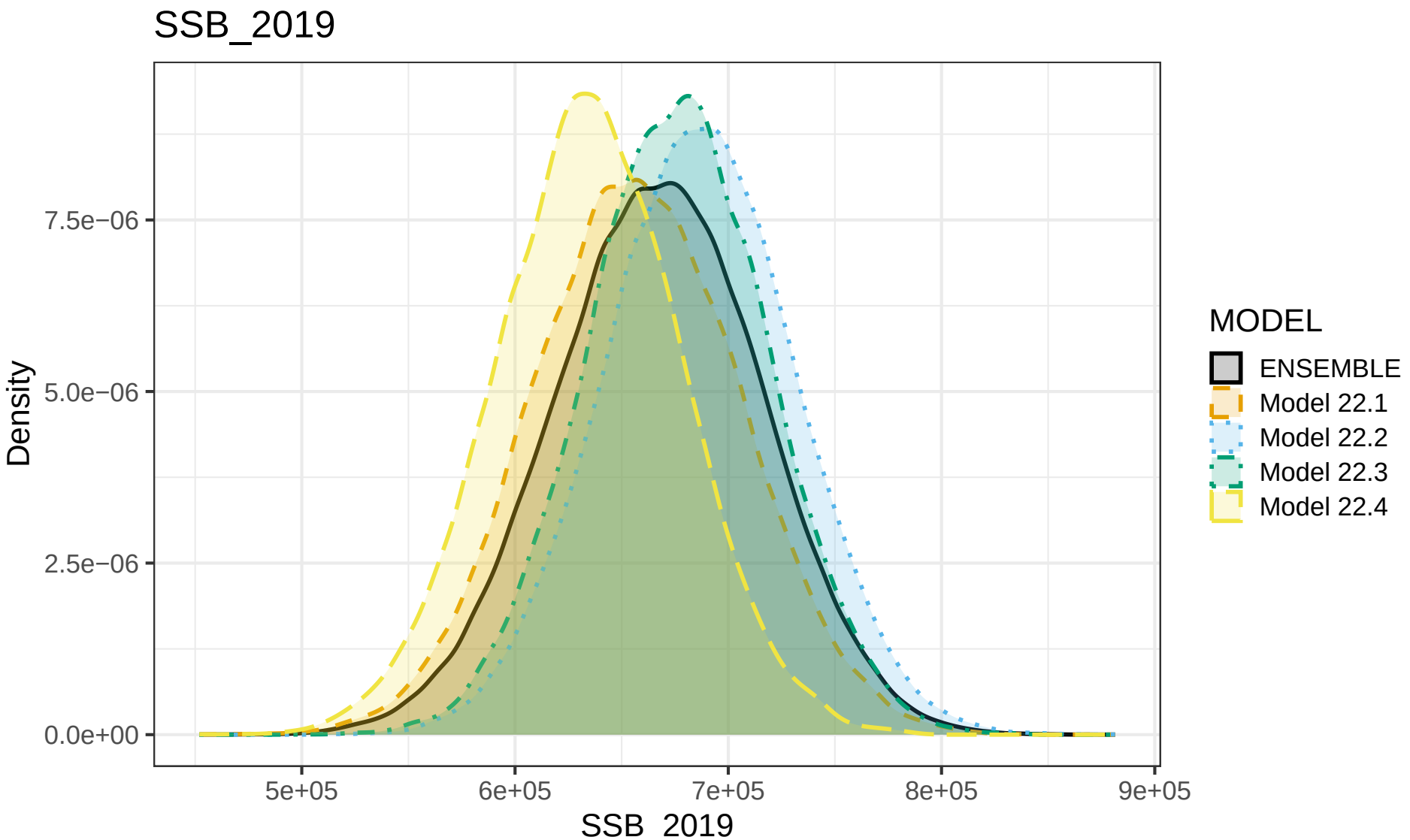

SSB_2014
Density
1e−05
5e−06
0e+00
4e+05
5e+05
6e+05
SSB_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

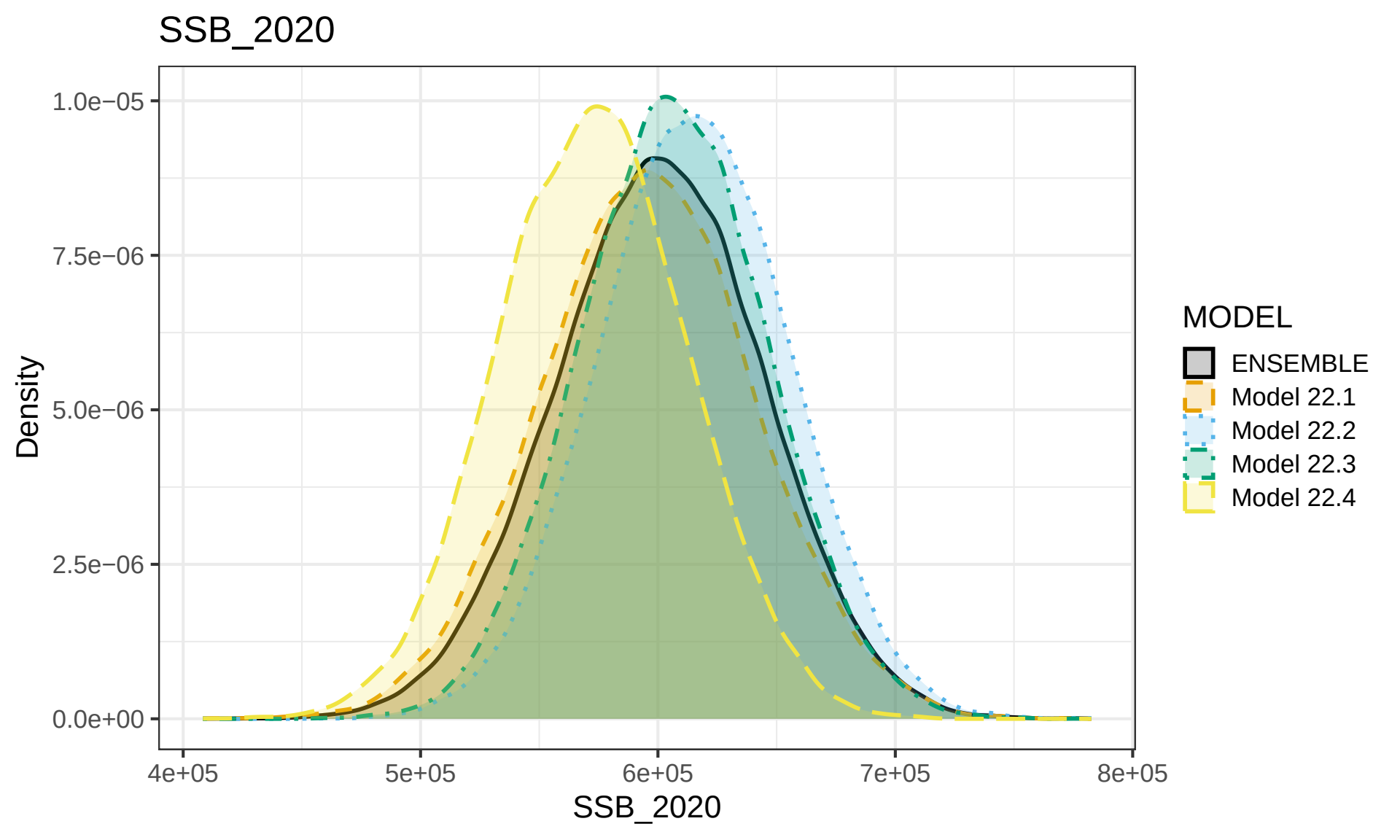

SSB_2015
1.25e−05
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
Density
4e+05
5e+05
6e+05
SSB_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

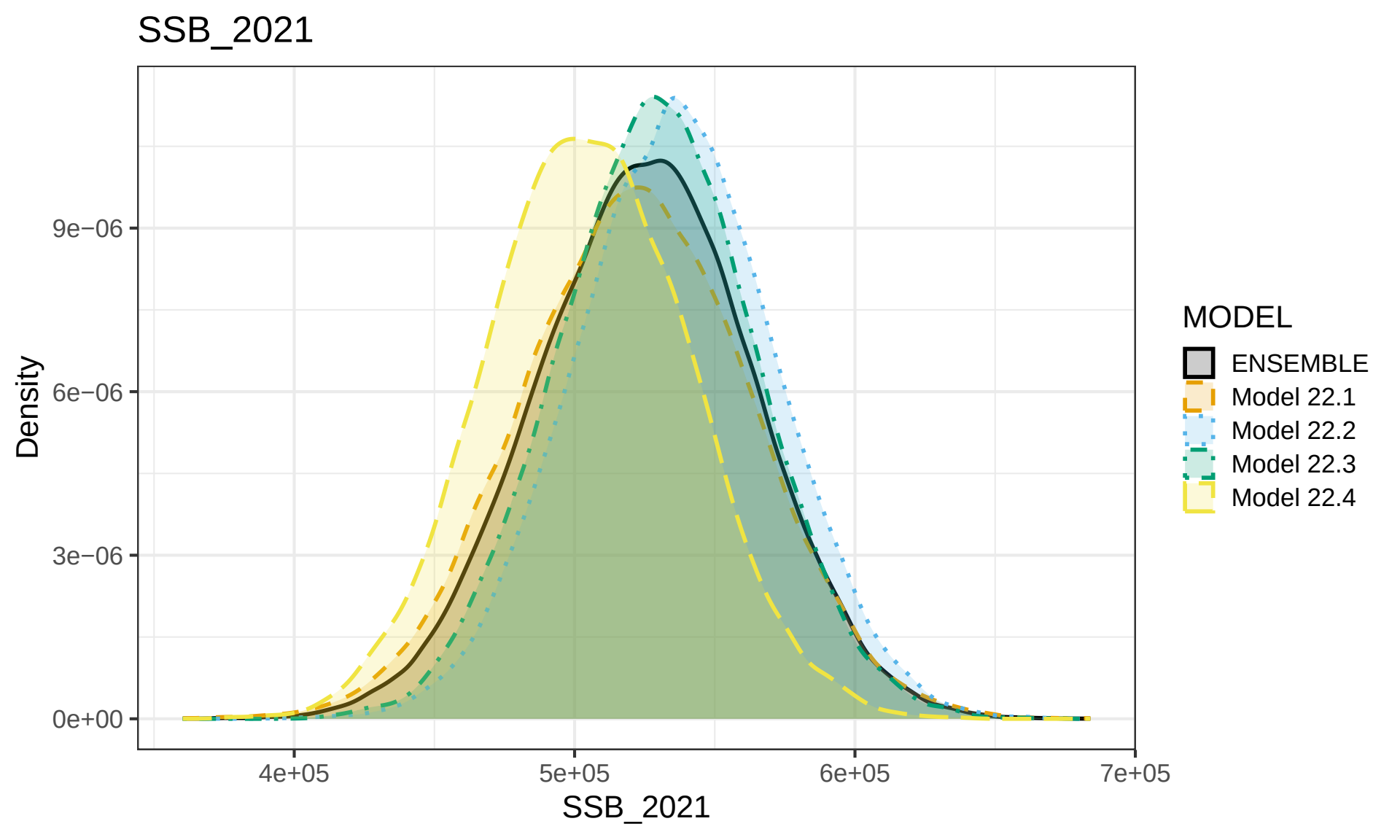

SSB_2016
Density
9e−06
6e−06
3e−06
0e+00
4e+05
5e+05
6e+05
7e+05
SSB_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

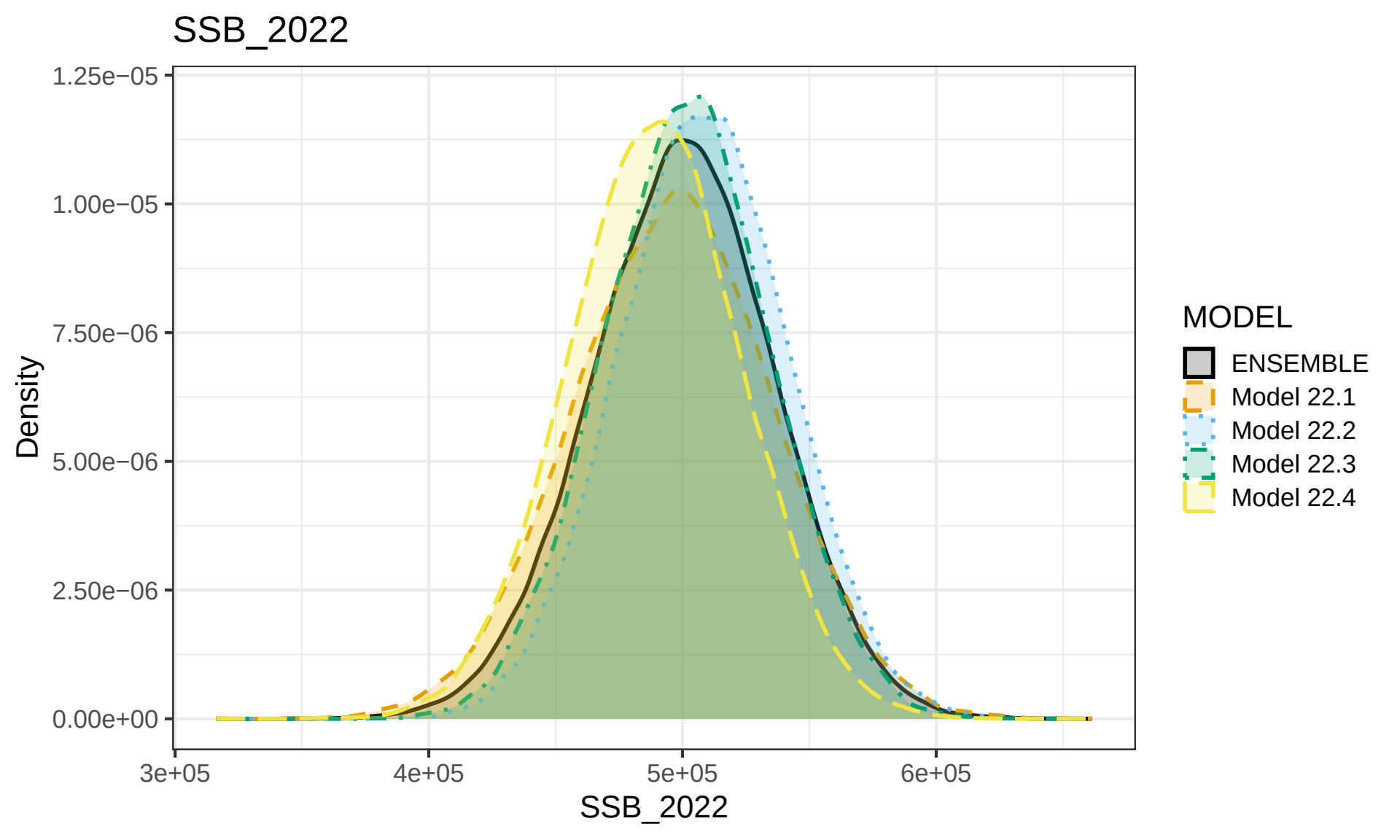

SSB_2017
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
4e+05
5e+05
6e+05
7e+05
8e+05
SSB_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_2018
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
5e+05
6e+05
7e+05
8e+05
9e+05
SSB_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_2019
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
5e+05
6e+05
7e+05
8e+05
9e+05
SSB_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_2020
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
4e+05
5e+05
6e+05
7e+05
8e+05
SSB_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_2021
Density
9e−06
6e−06
3e−06
0e+00
4e+05
5e+05
6e+05
7e+05
SSB_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_2022
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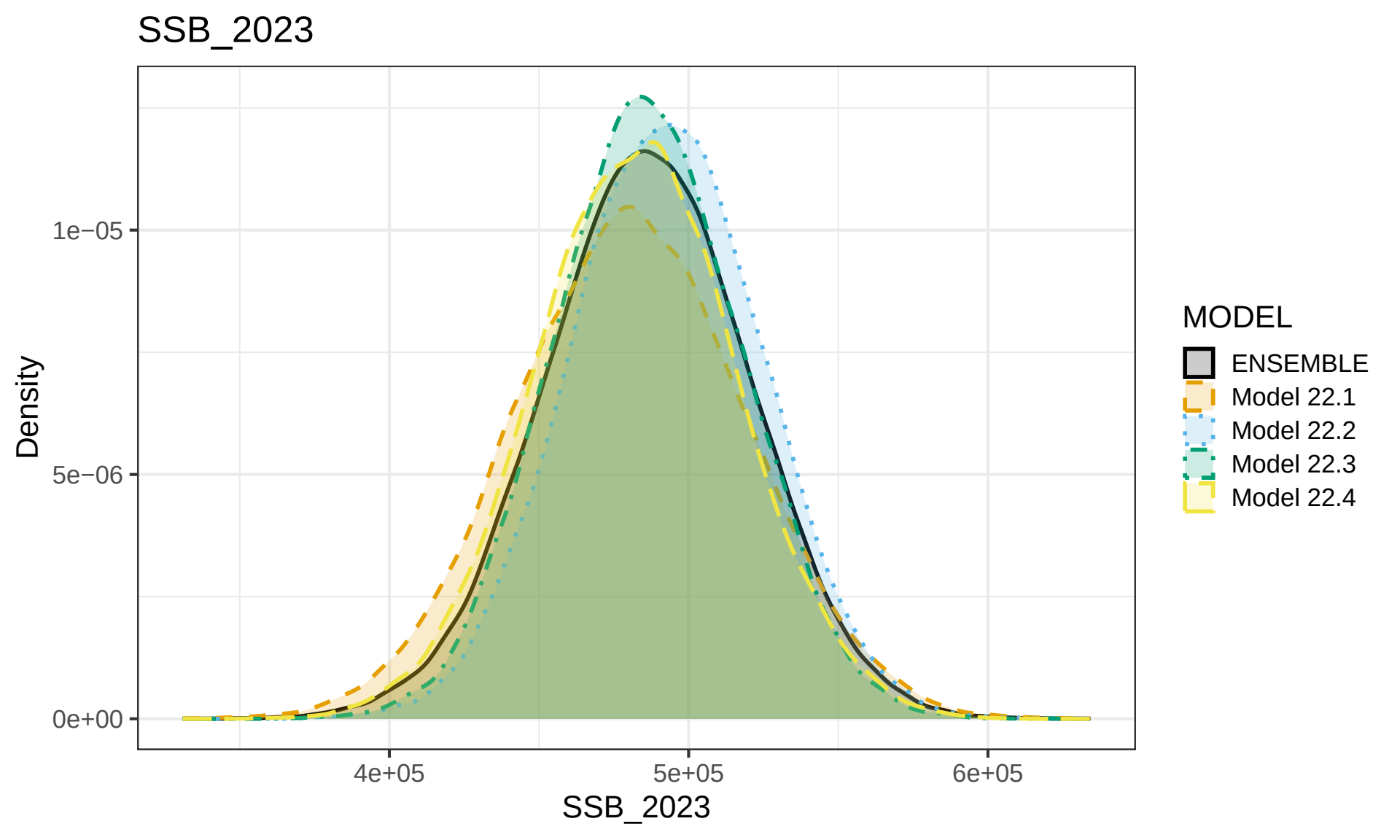
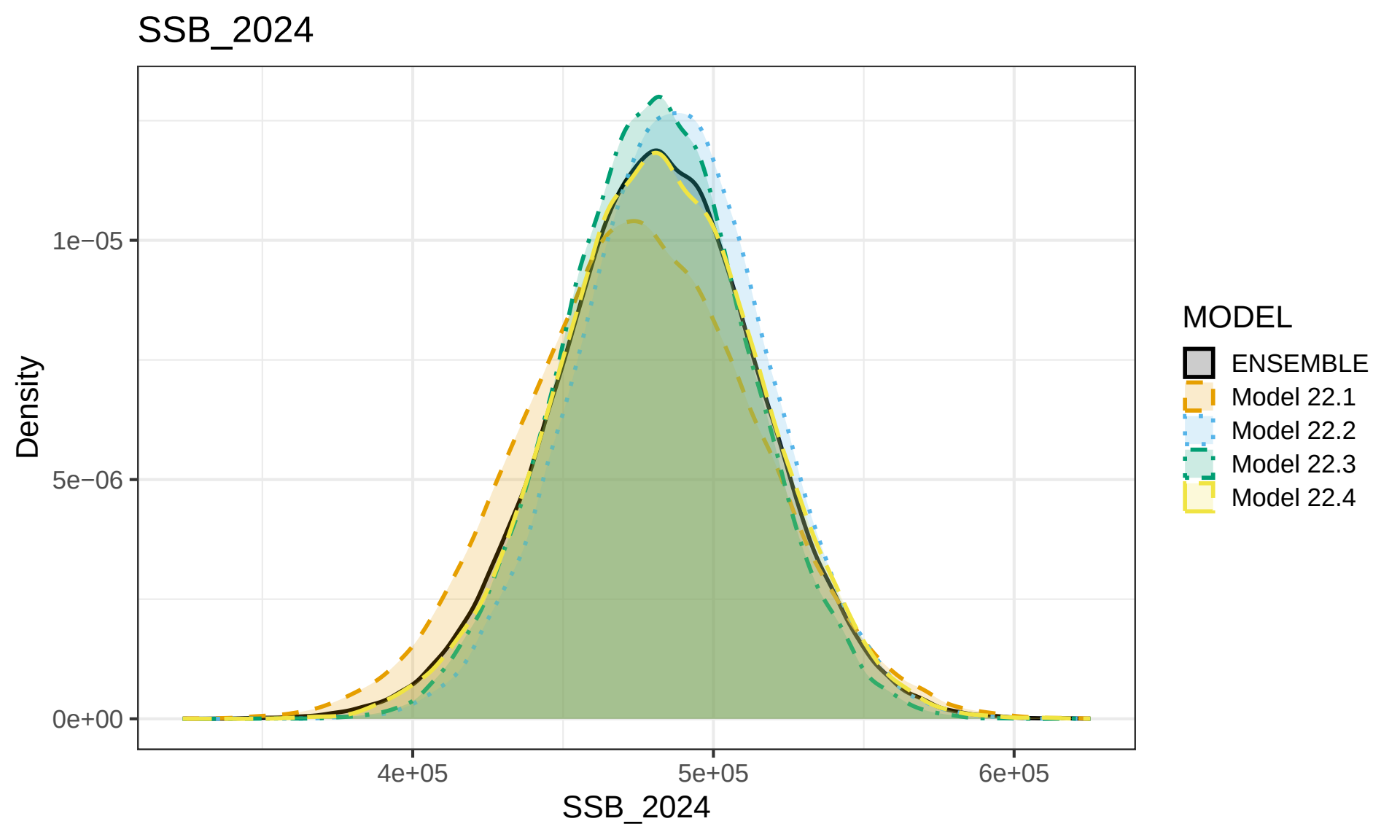
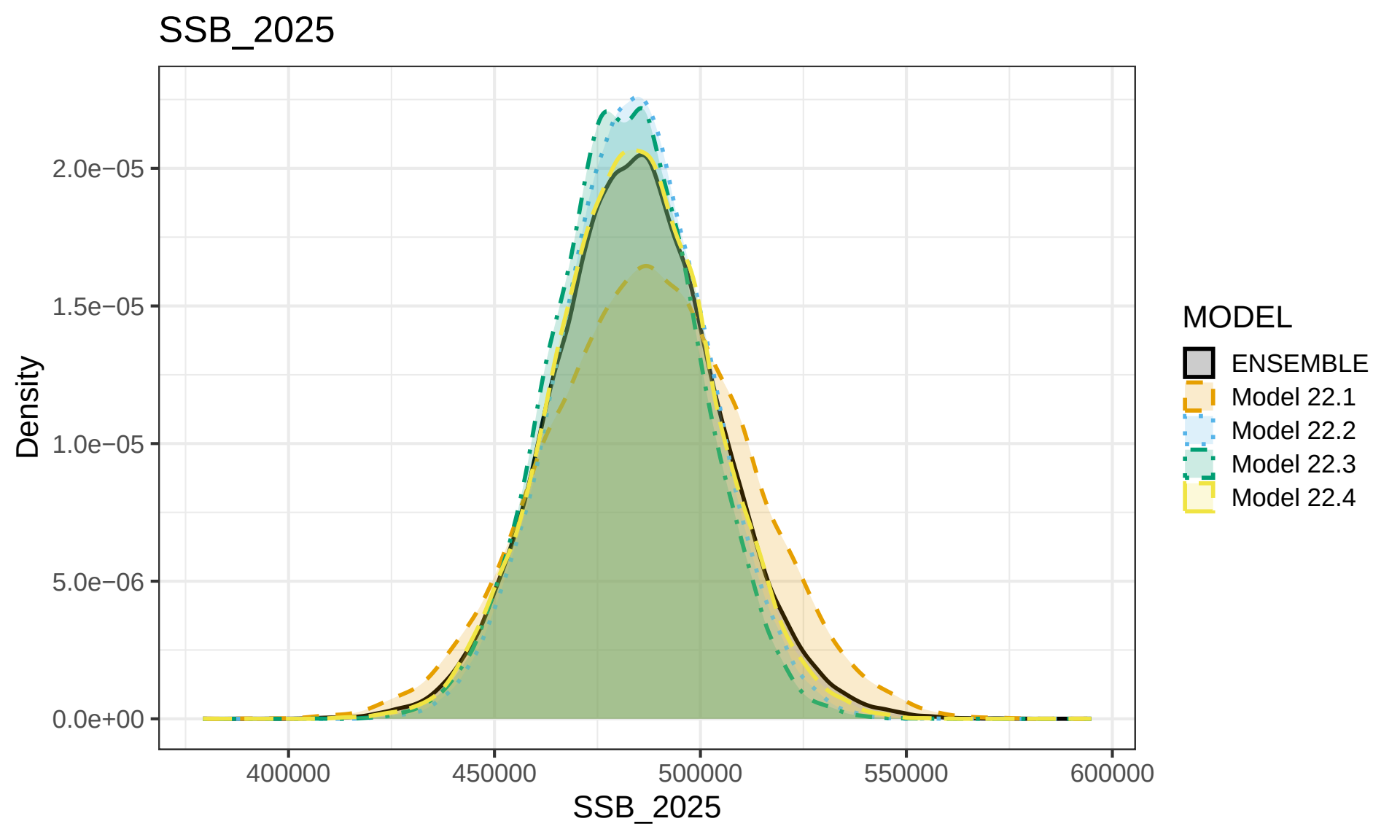
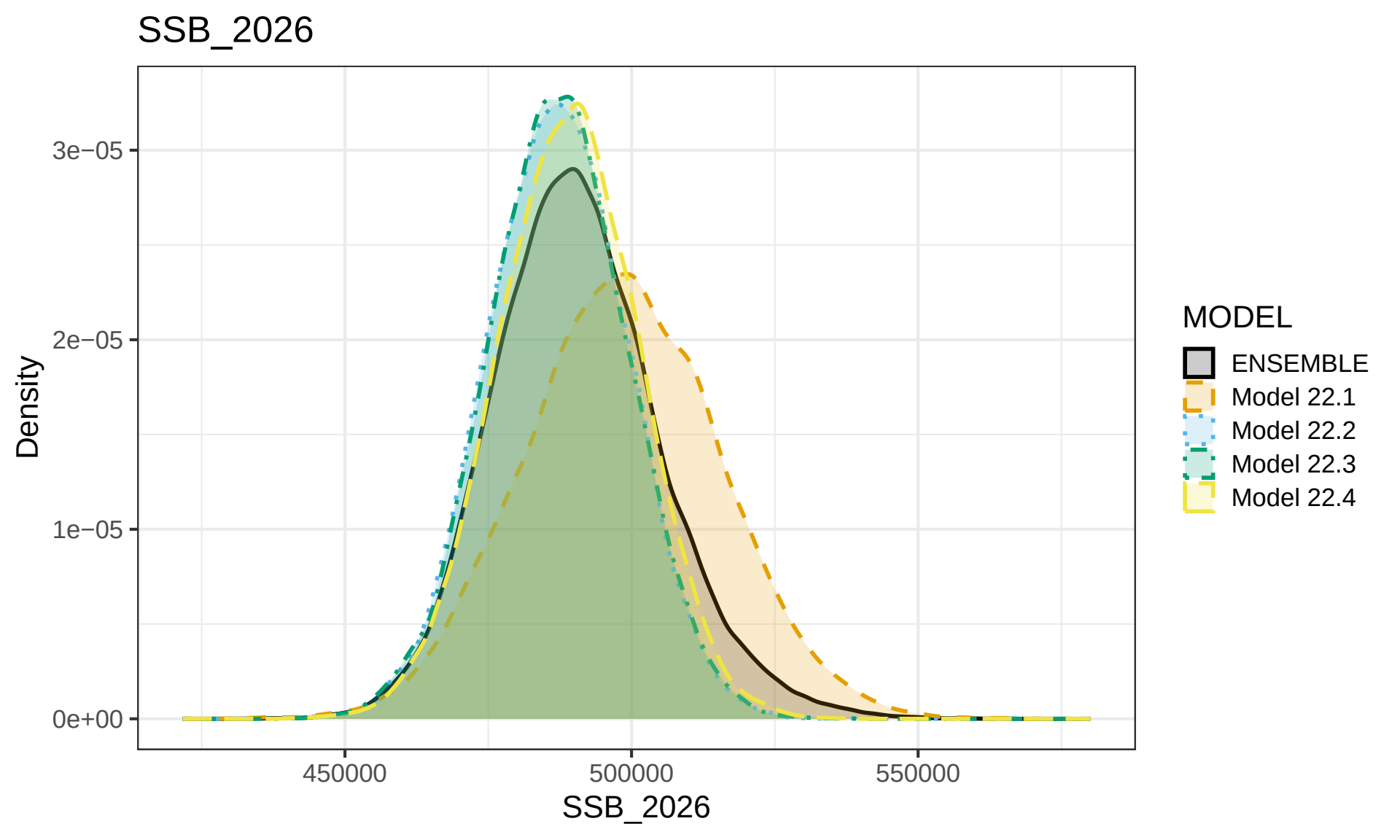
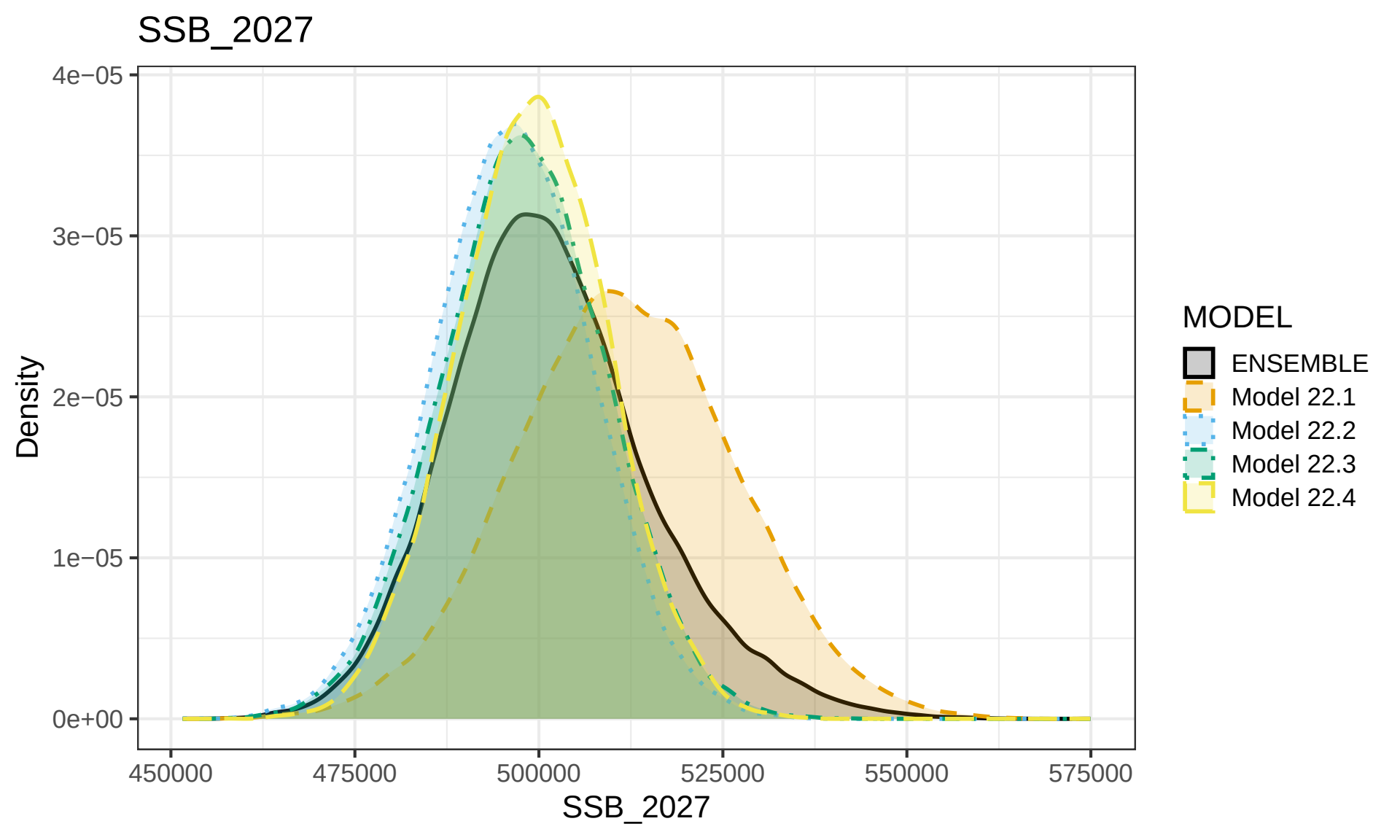
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
Density
3e+05
4e+05
5e+05
6e+05
SSB_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

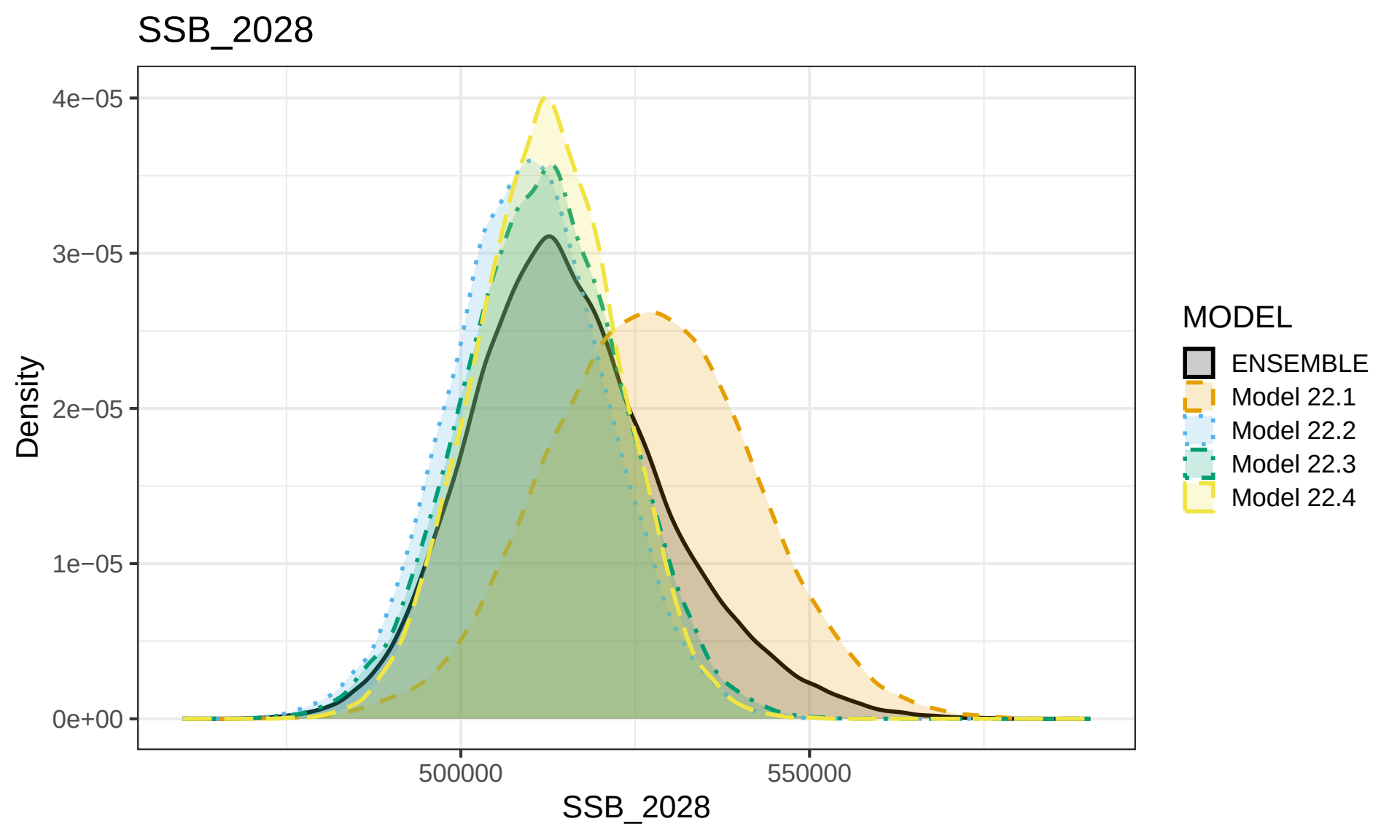

SSB_2023
Density
1e−05
5e−06
0e+00
4e+05
5e+05
6e+05
SSB_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

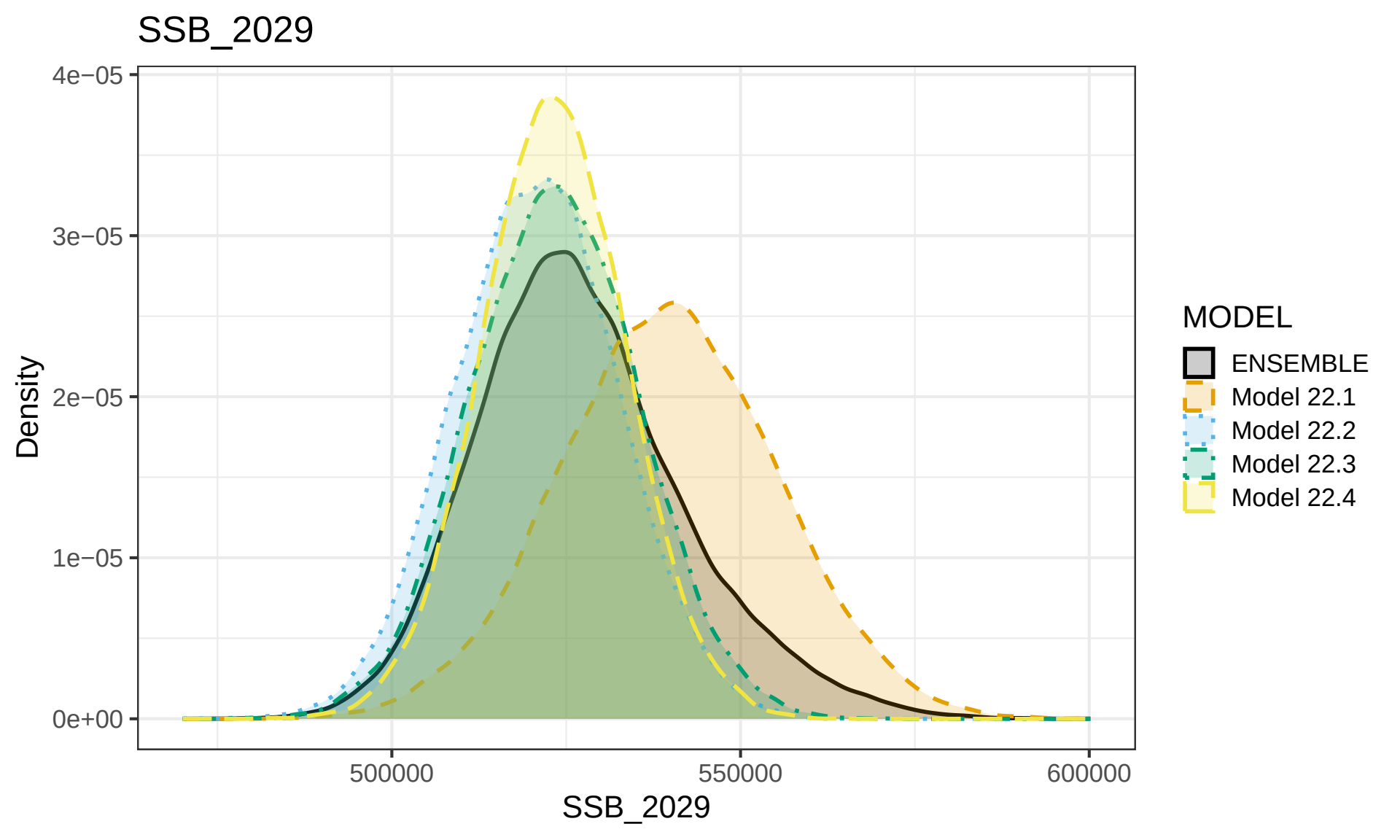

SSB_2024
Density
1e−05
5e−06
0e+00
4e+05
5e+05
6e+05
SSB_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

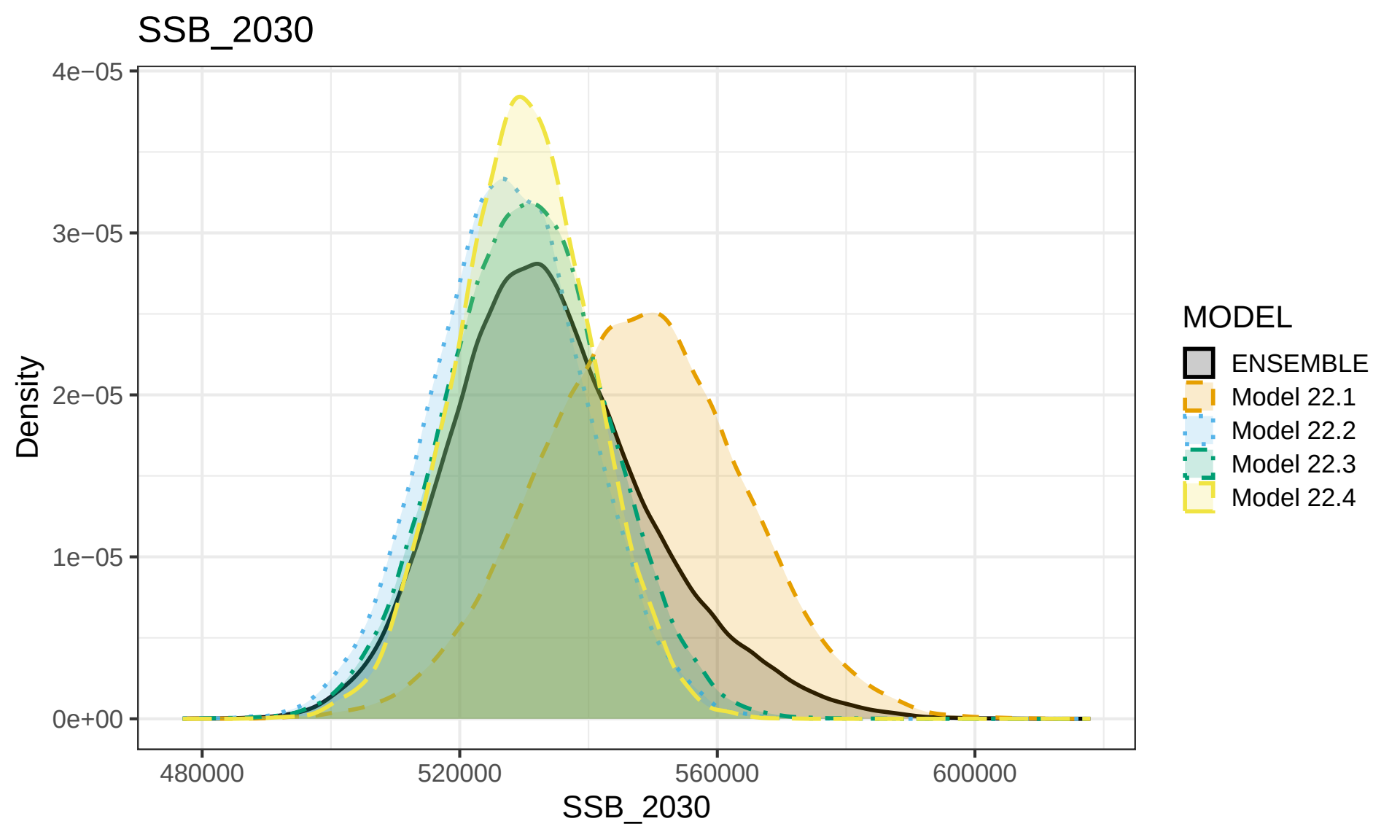

SSB_2025
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
400000
450000
500000
550000
600000
SSB_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

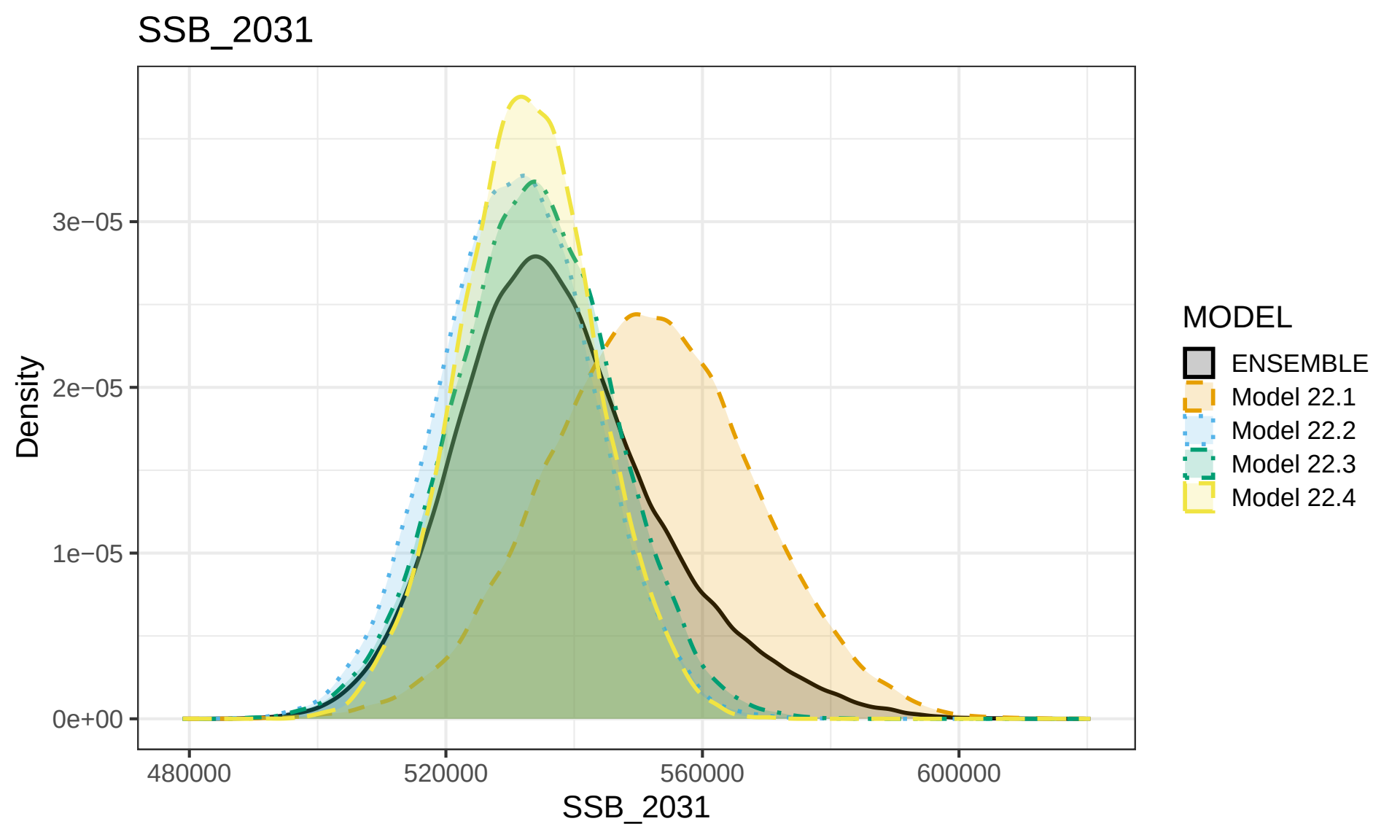

SSB_2026
3e−05
2e−05
1e−05
0e+00
Density
450000
500000
550000
SSB_2026
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

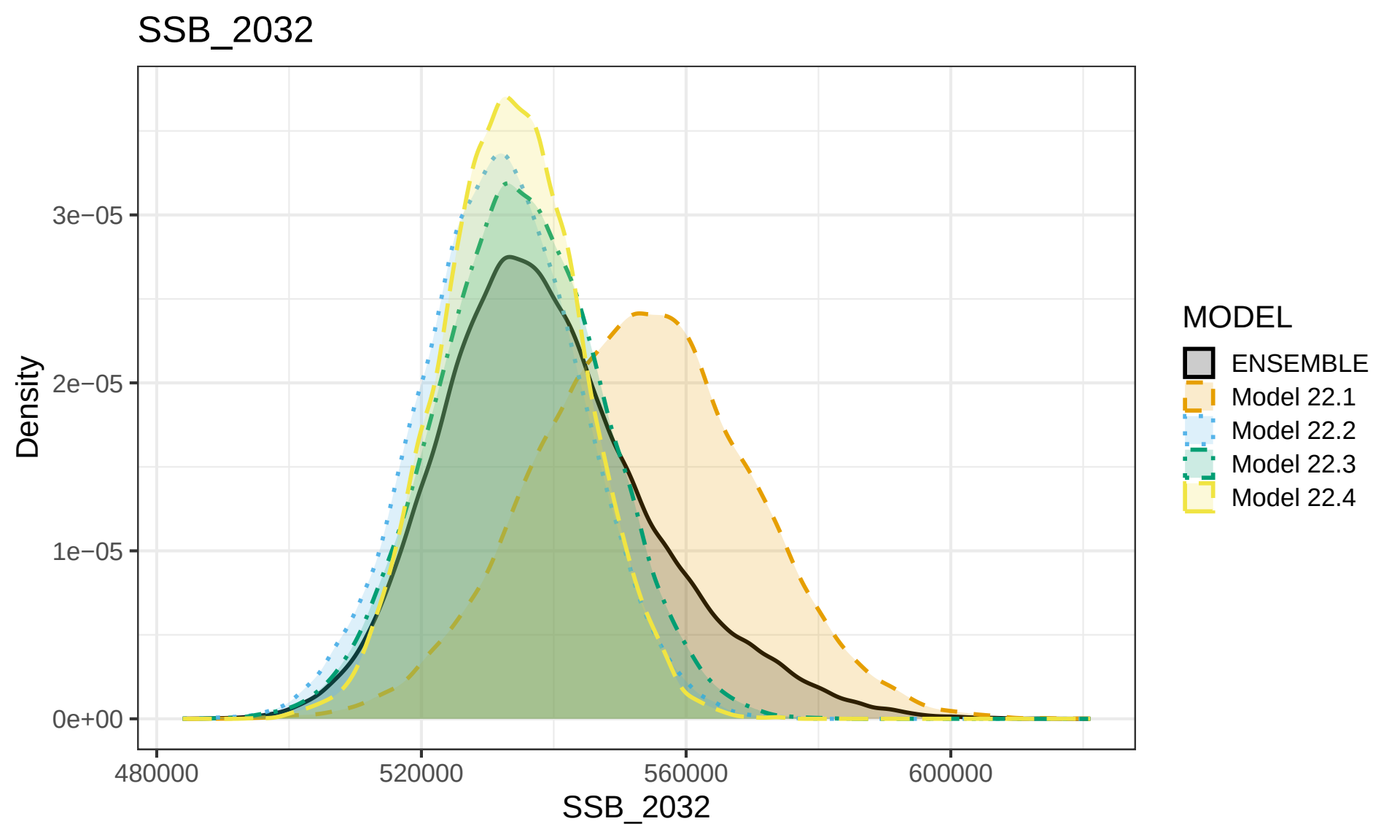

SSB_2027
4e−05
3e−05
2e−05
1e−05
0e+00
Density
450000
475000
500000
525000
550000
575000
SSB_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

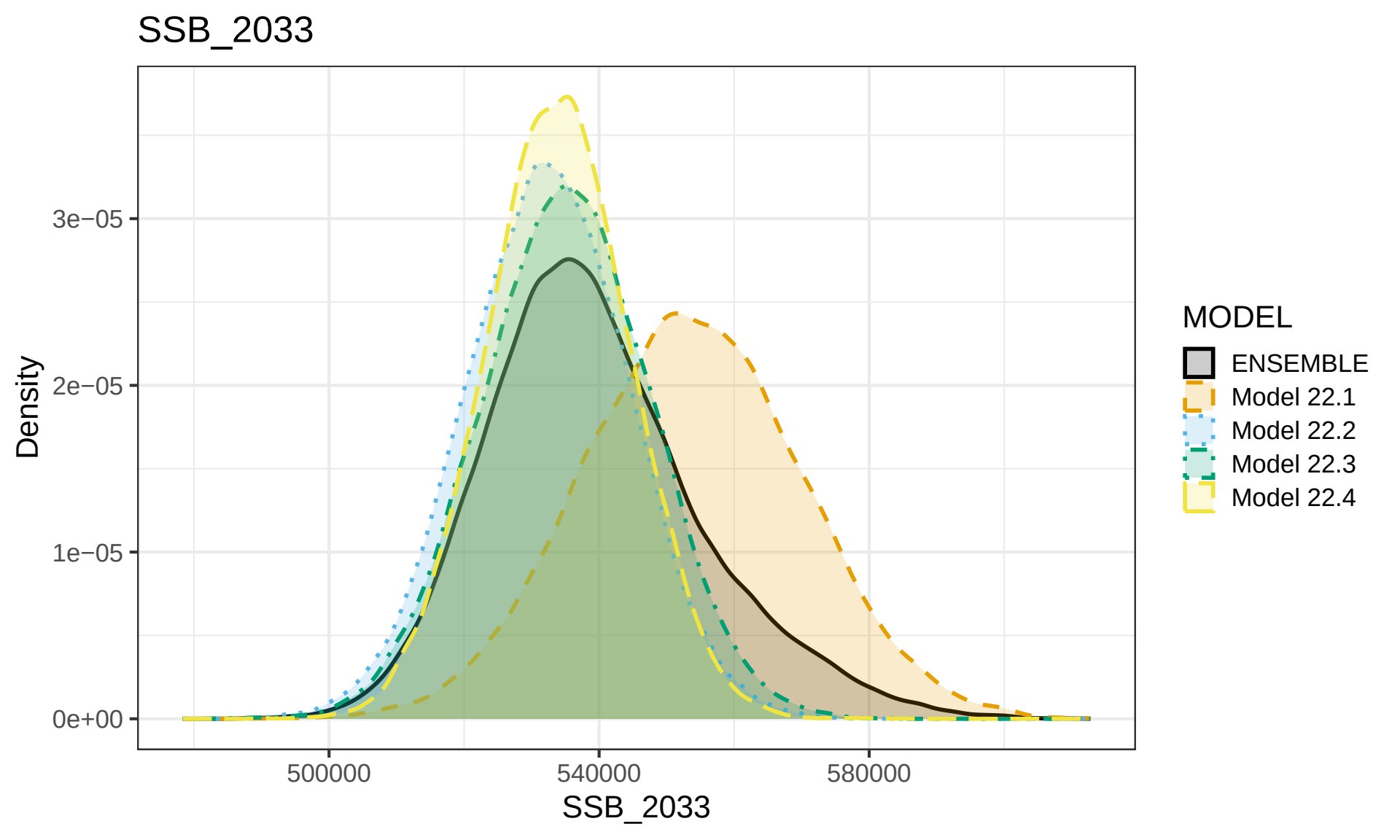

SSB_2028
4e−05
3e−05
2e−05
1e−05
0e+00
Density
500000
550000
SSB_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

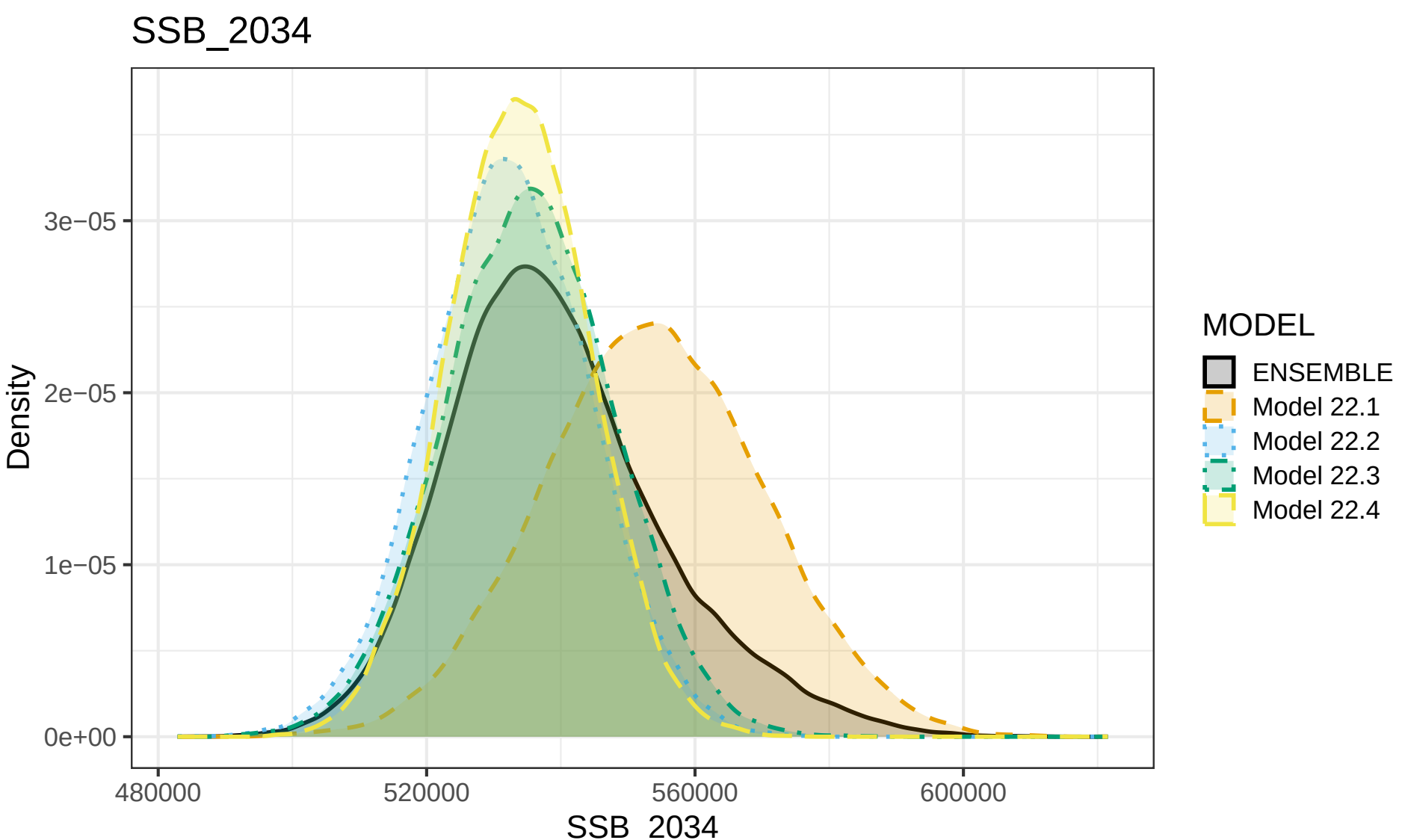

SSB_2029
4e−05
3e−05
2e−05
1e−05
0e+00
Density
500000
550000
600000
SSB_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

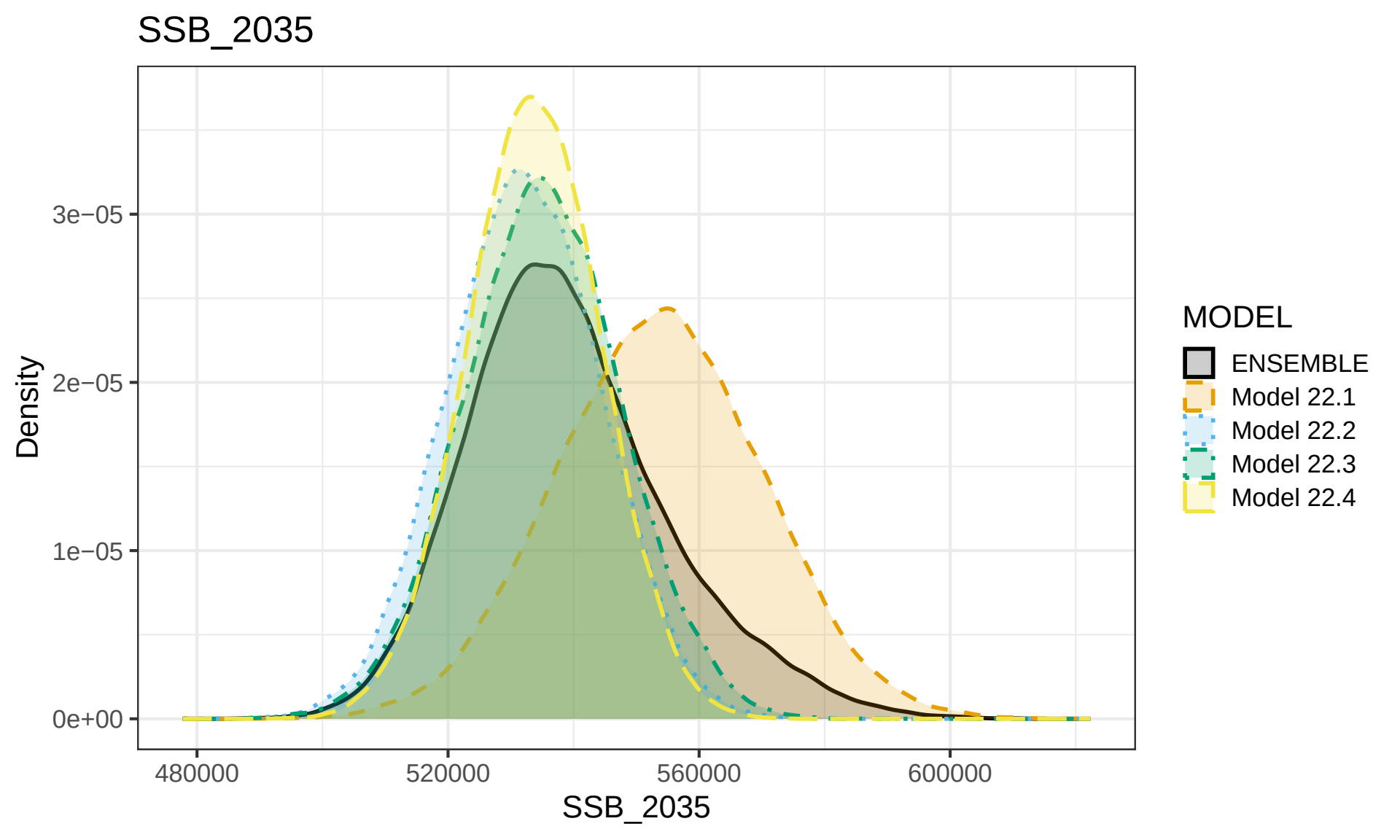

SSB_2030
4e−05
3e−05
2e−05
1e−05
0e+00
Density
480000
520000
560000
600000
SSB_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

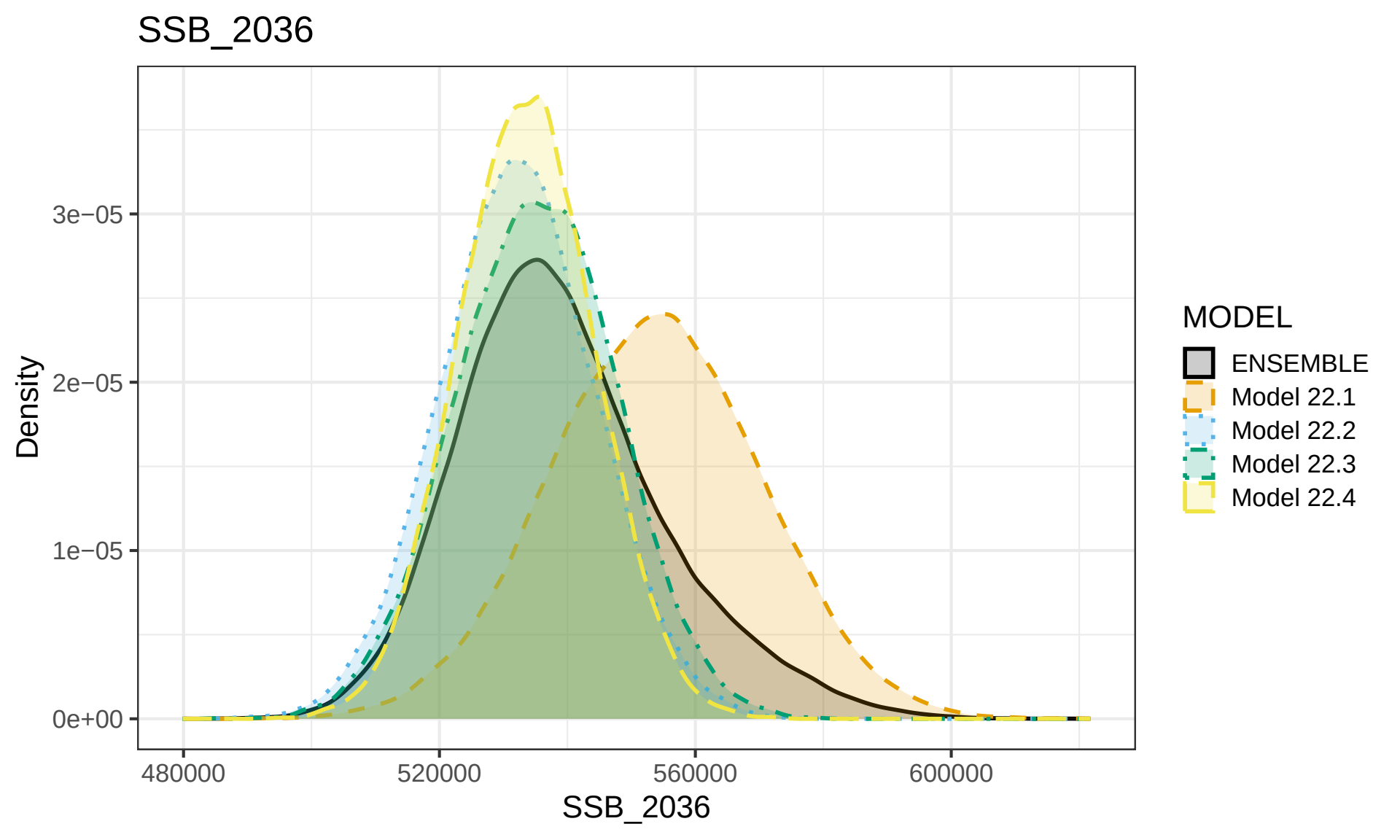

SSB_2031
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

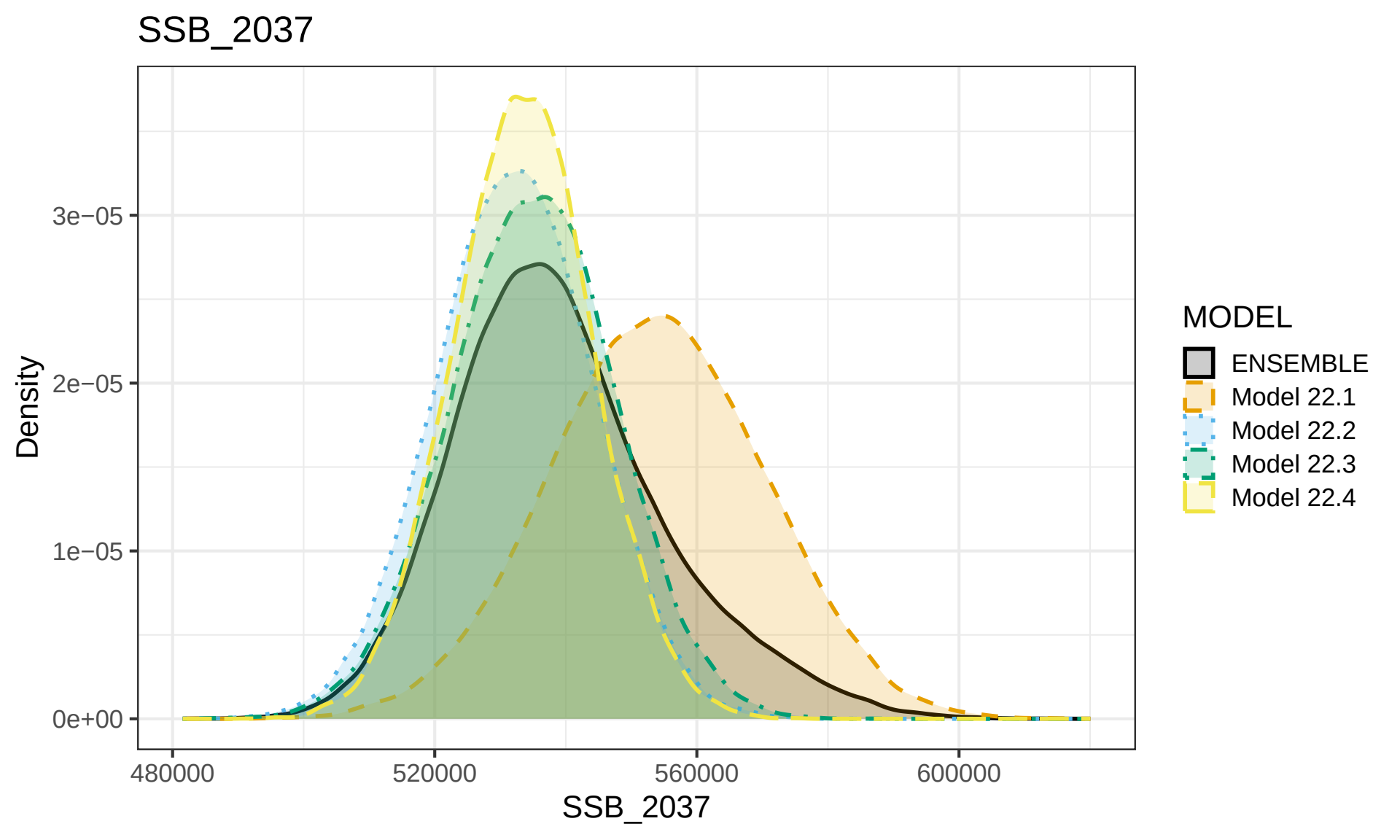

SSB_2032
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

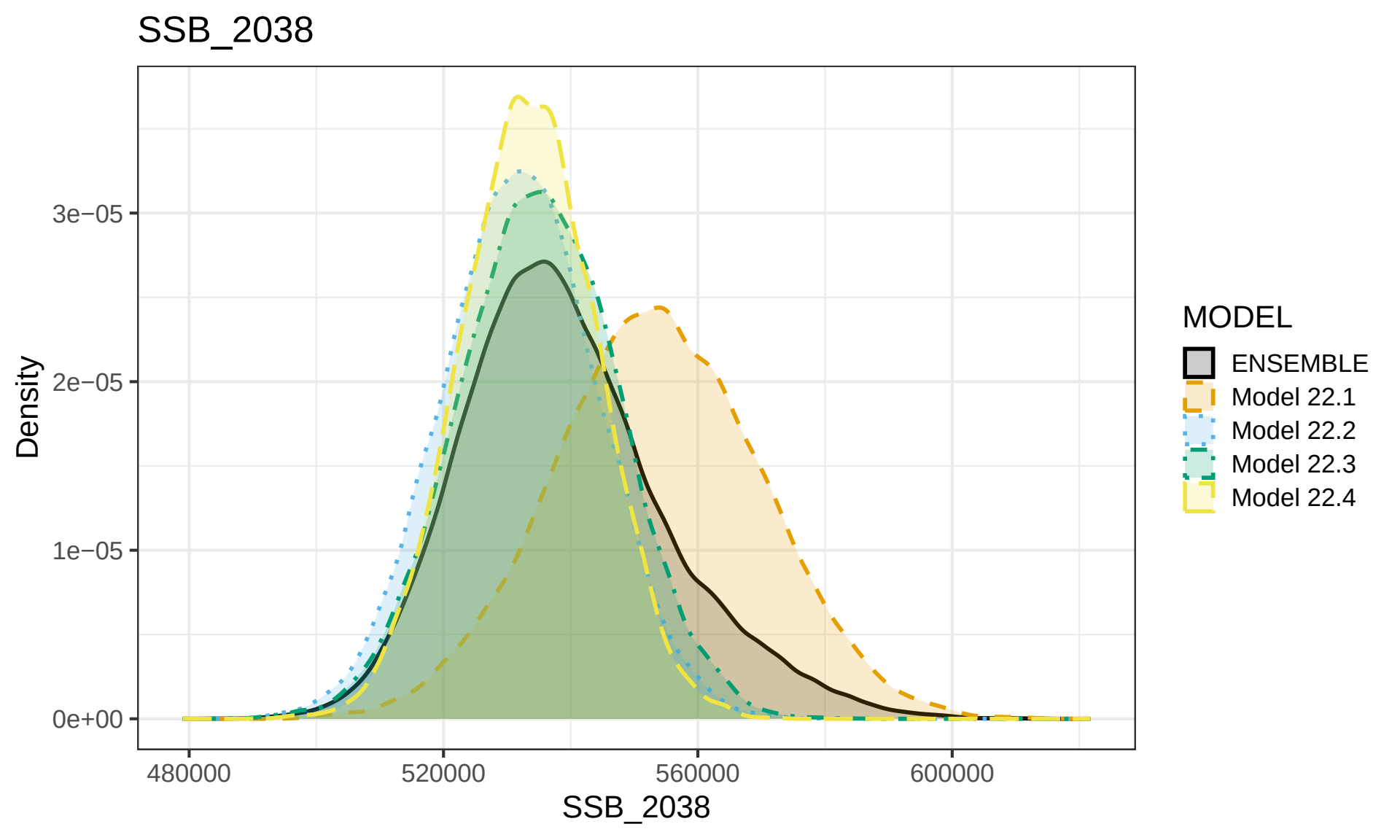

SSB_2033
Density
3e−05
2e−05
1e−05
0e+00
500000
540000
580000
SSB_2033
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

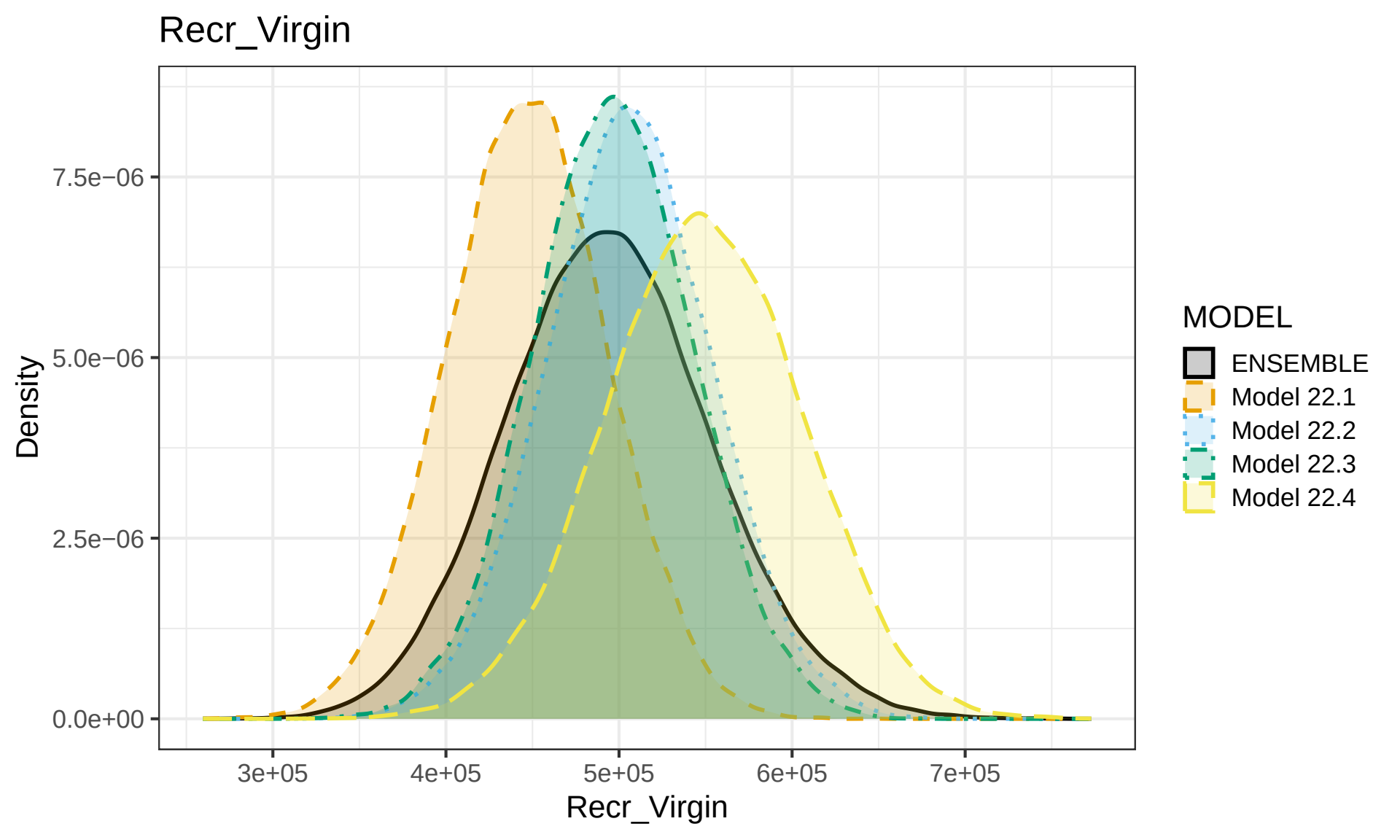

SSB_2034
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

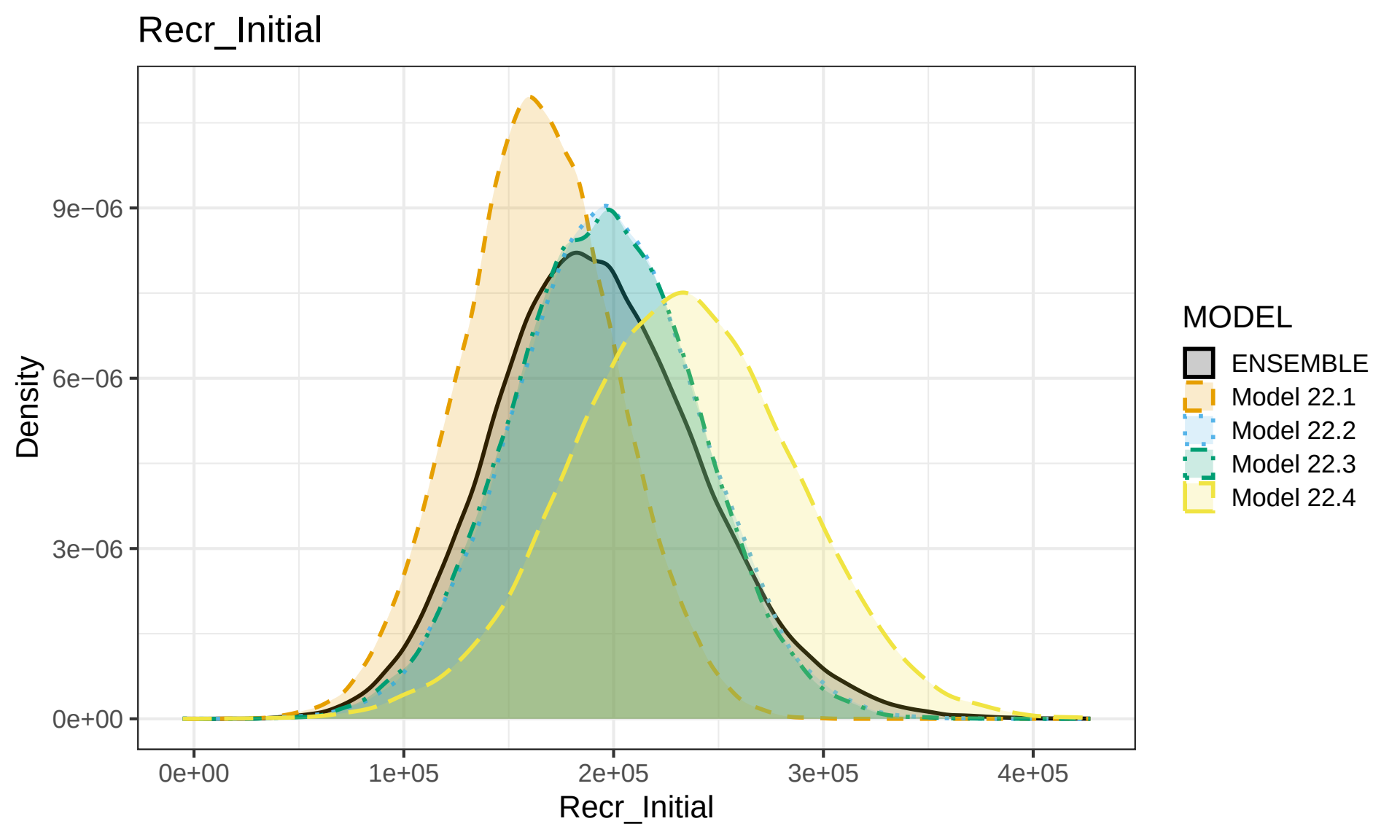

SSB_2035
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

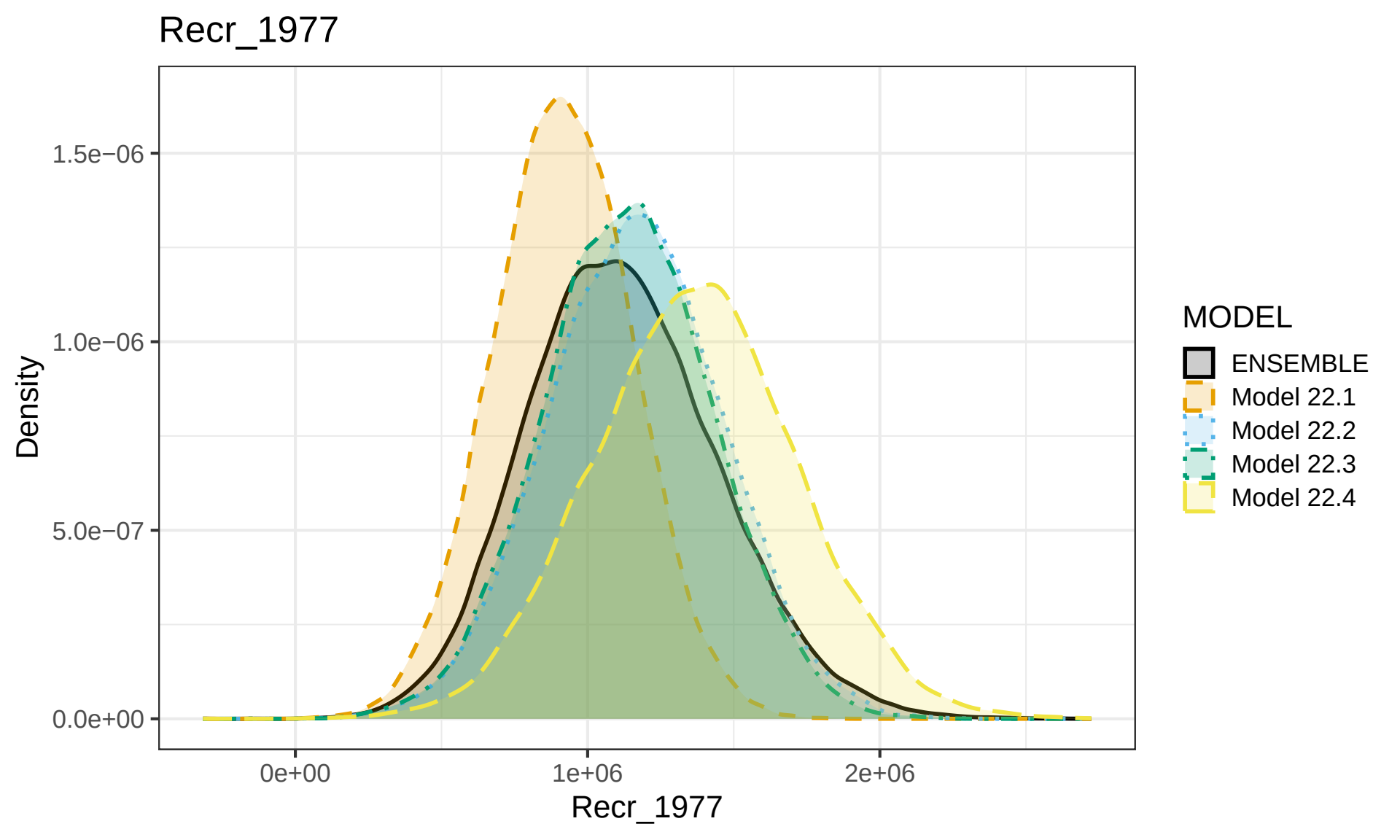

SSB_2036
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

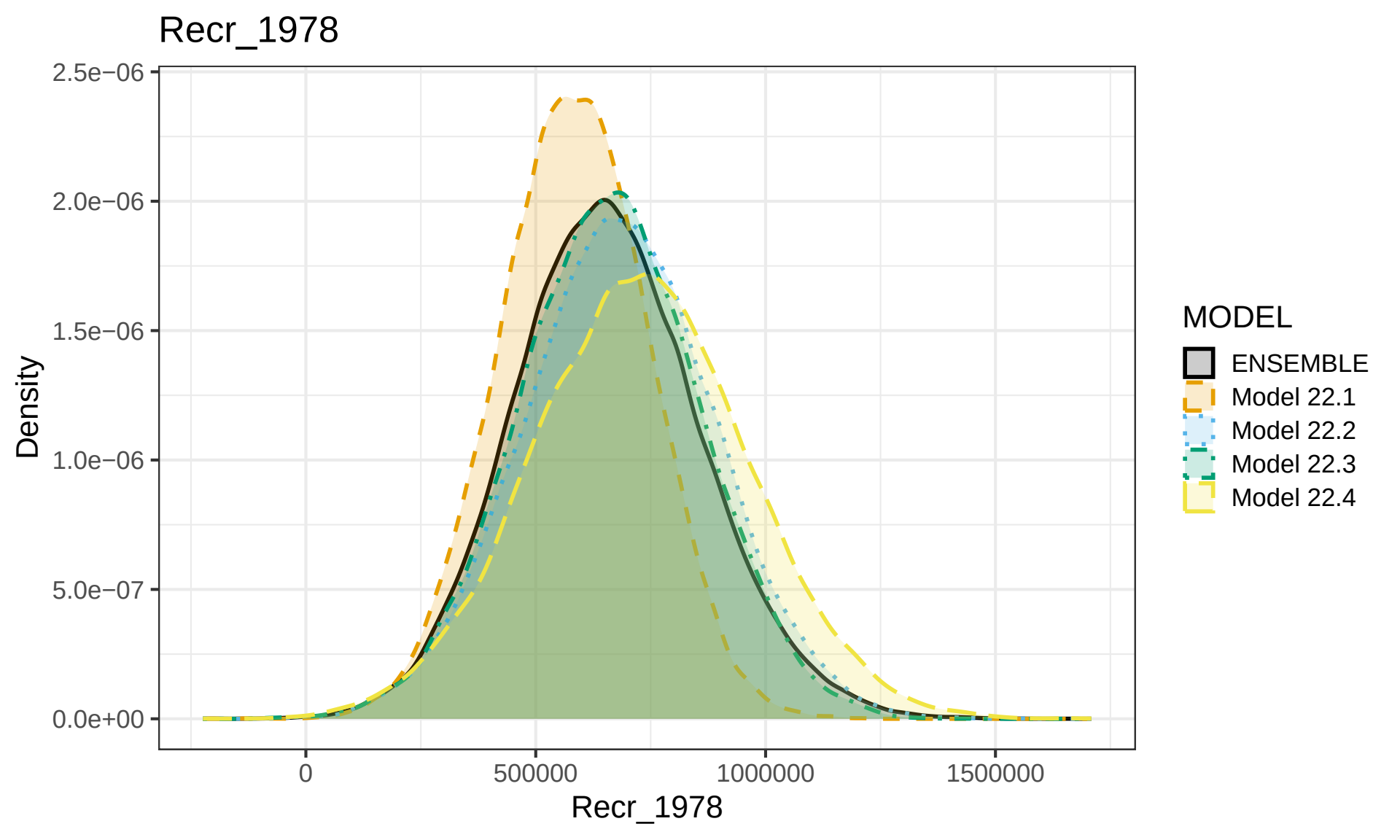

SSB_2037
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

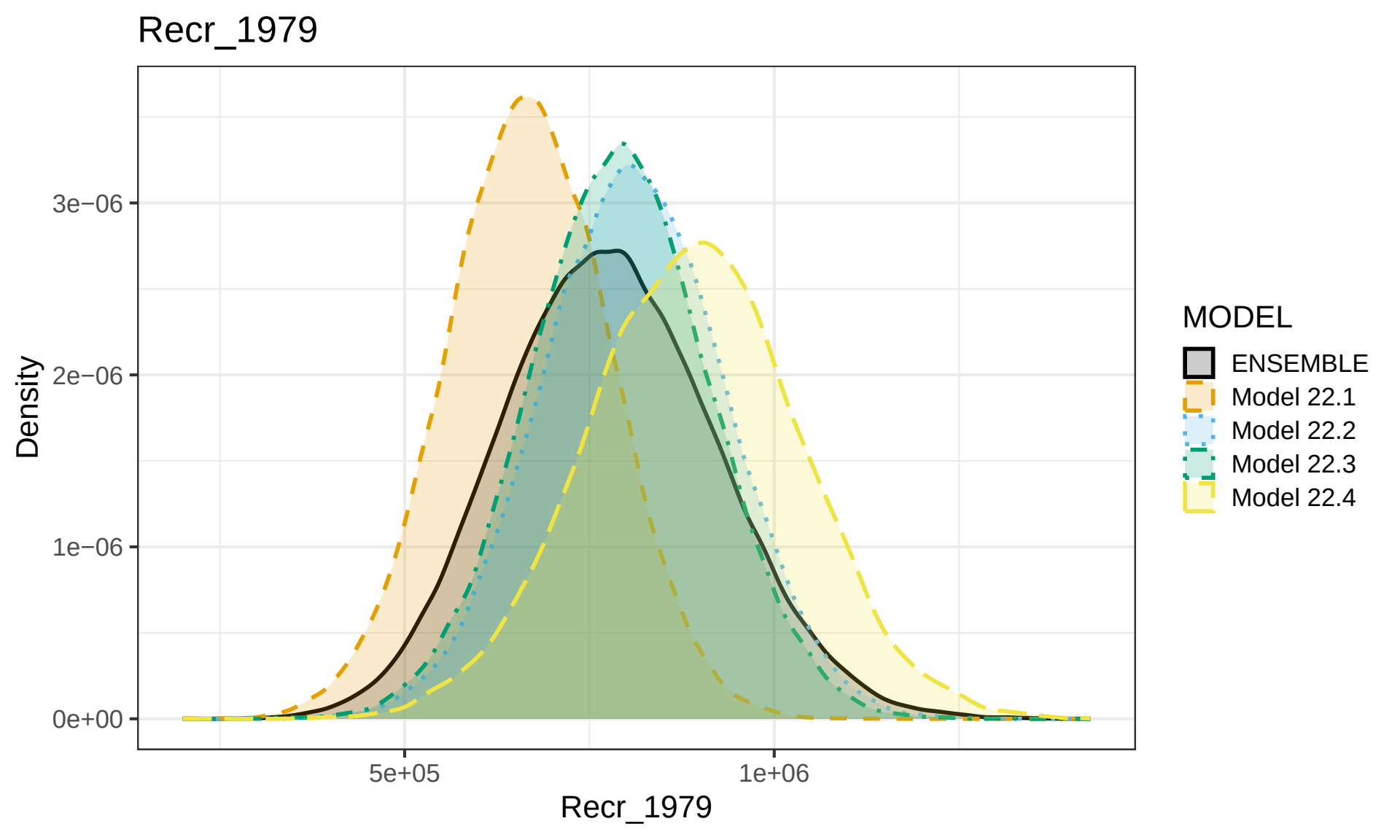

SSB_2038
Density
3e−05
2e−05
1e−05
0e+00
480000
520000
560000
600000
SSB_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

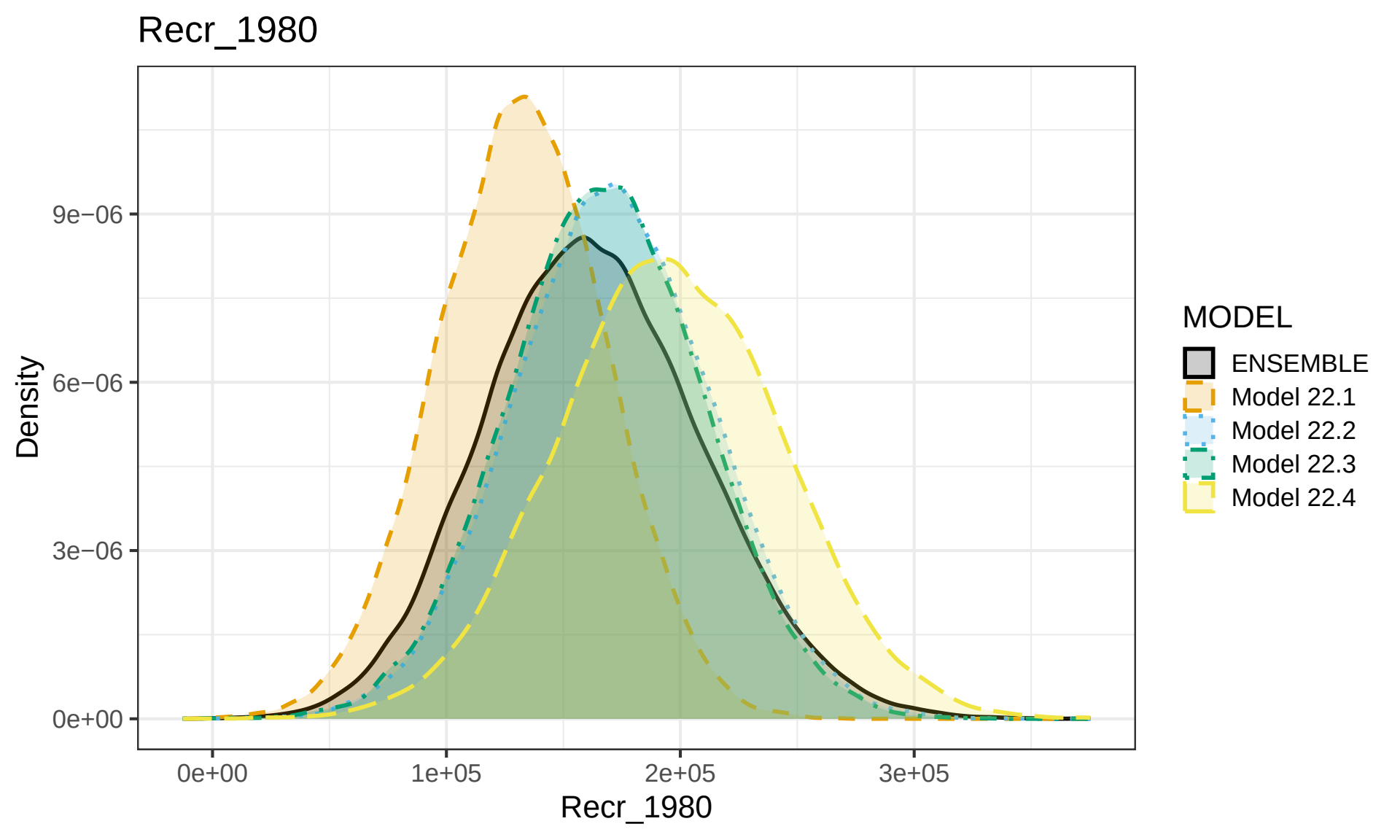

Recr_Virgin
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_Virgin
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

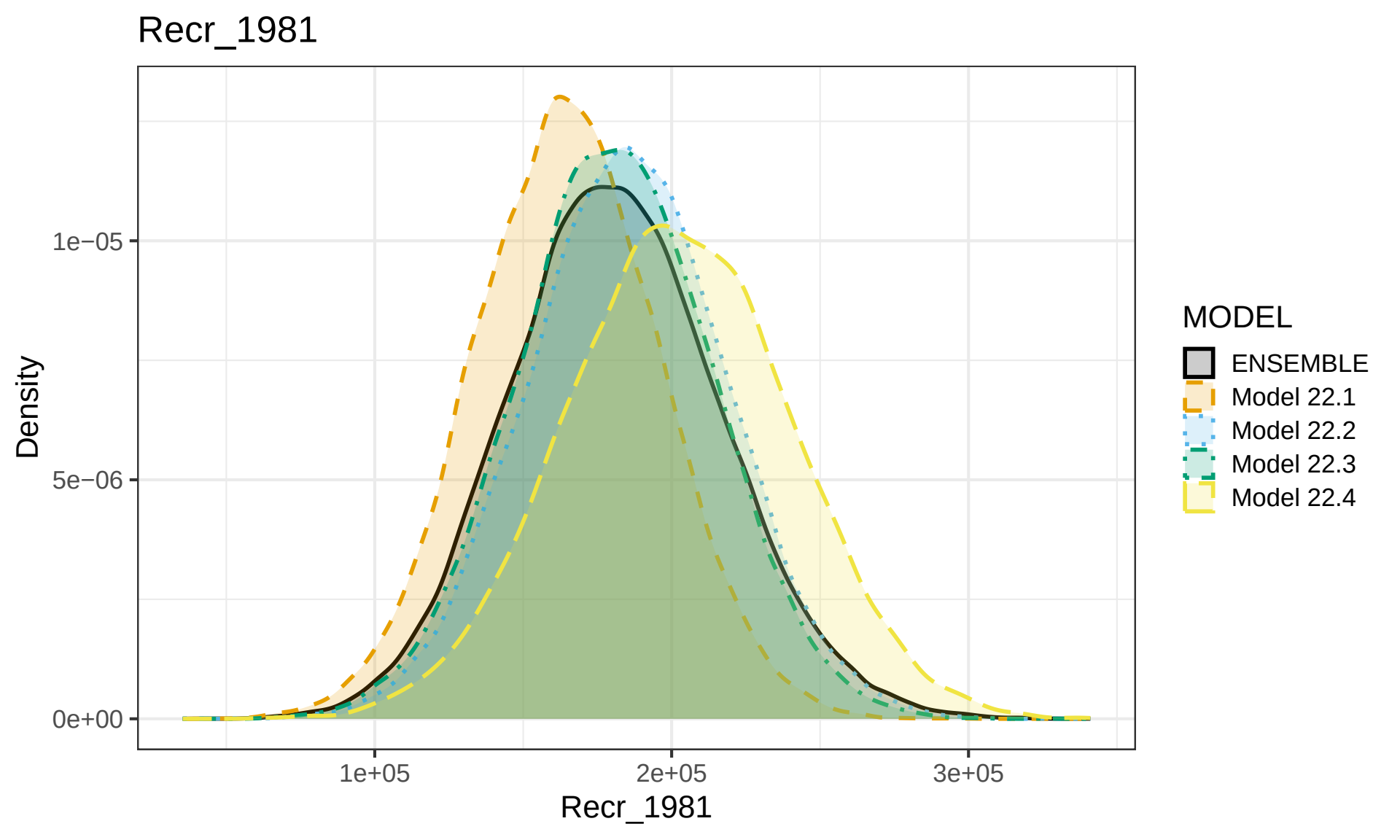

Recr_Initial
Density
9e−06
6e−06
3e−06
0e+00
0e+00
1e+05
2e+05
3e+05
4e+05
Recr_Initial
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

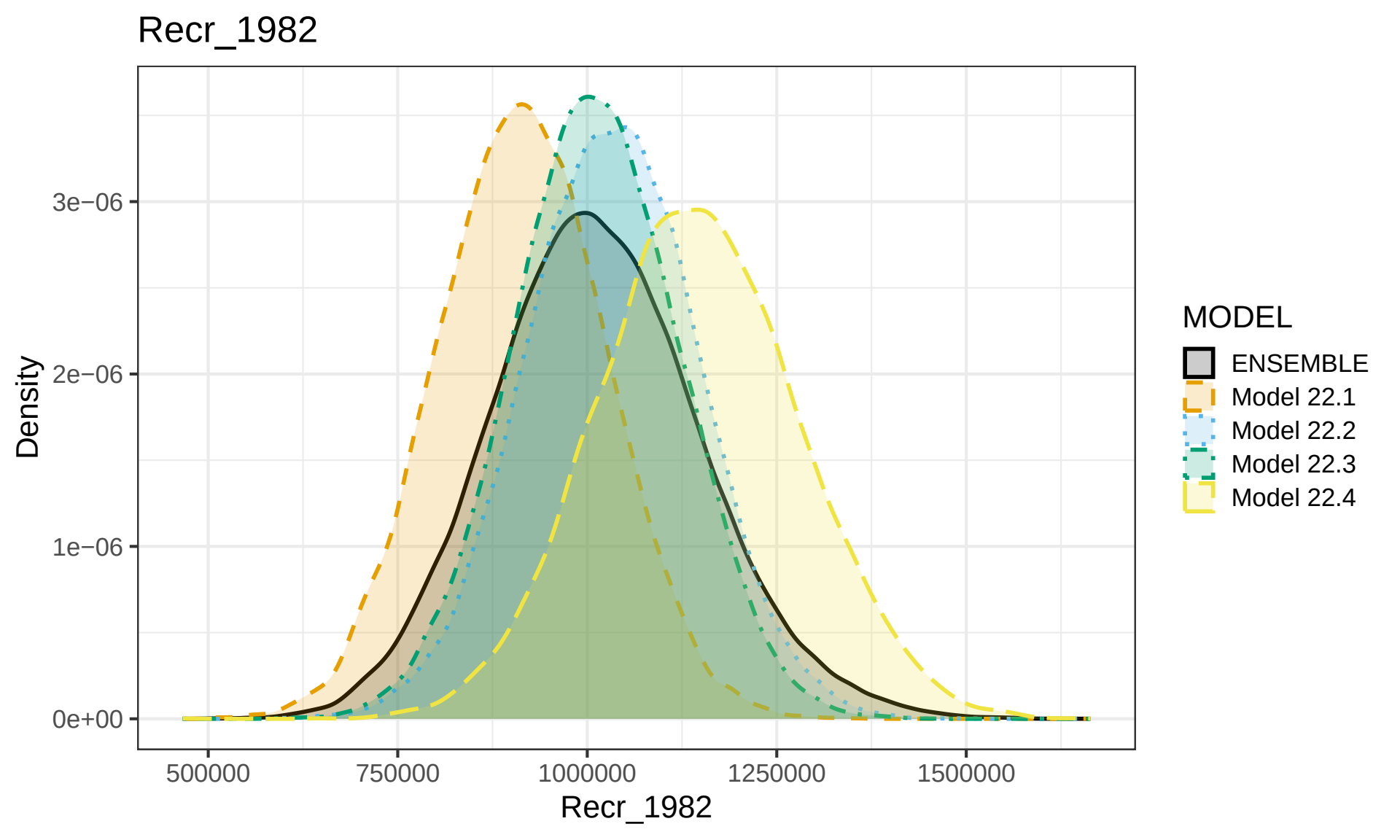

Recr_1977
1.5e−06
1.0e−06
5.0e−07
0.0e+00
Density
0e+00
1e+06
2e+06
Recr_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

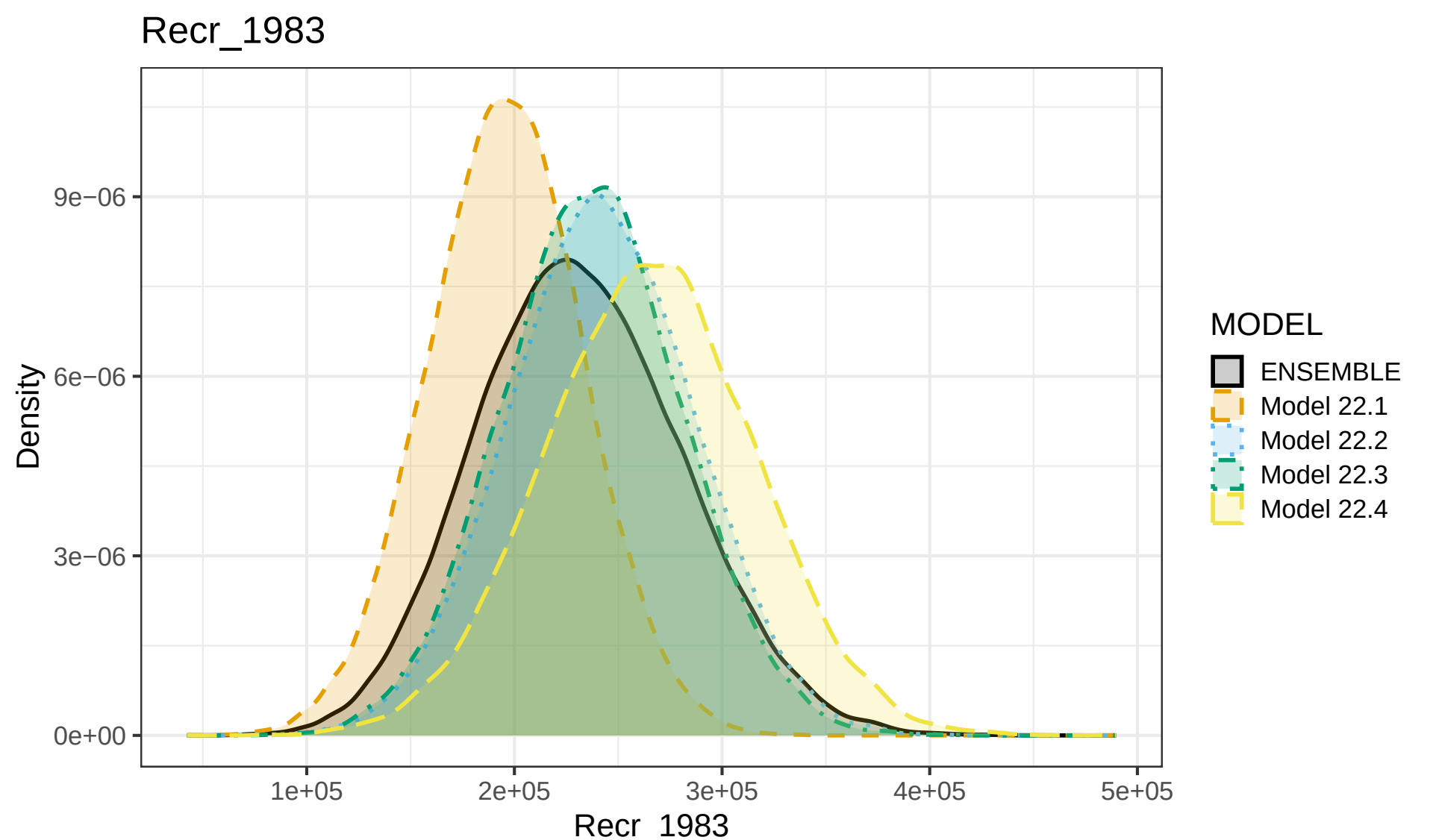

Recr_1978
2.5e−06
2.0e−06
1.5e−06
1.0e−06
5.0e−07
0.0e+00
Density
0
500000
1000000
1500000
Recr_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

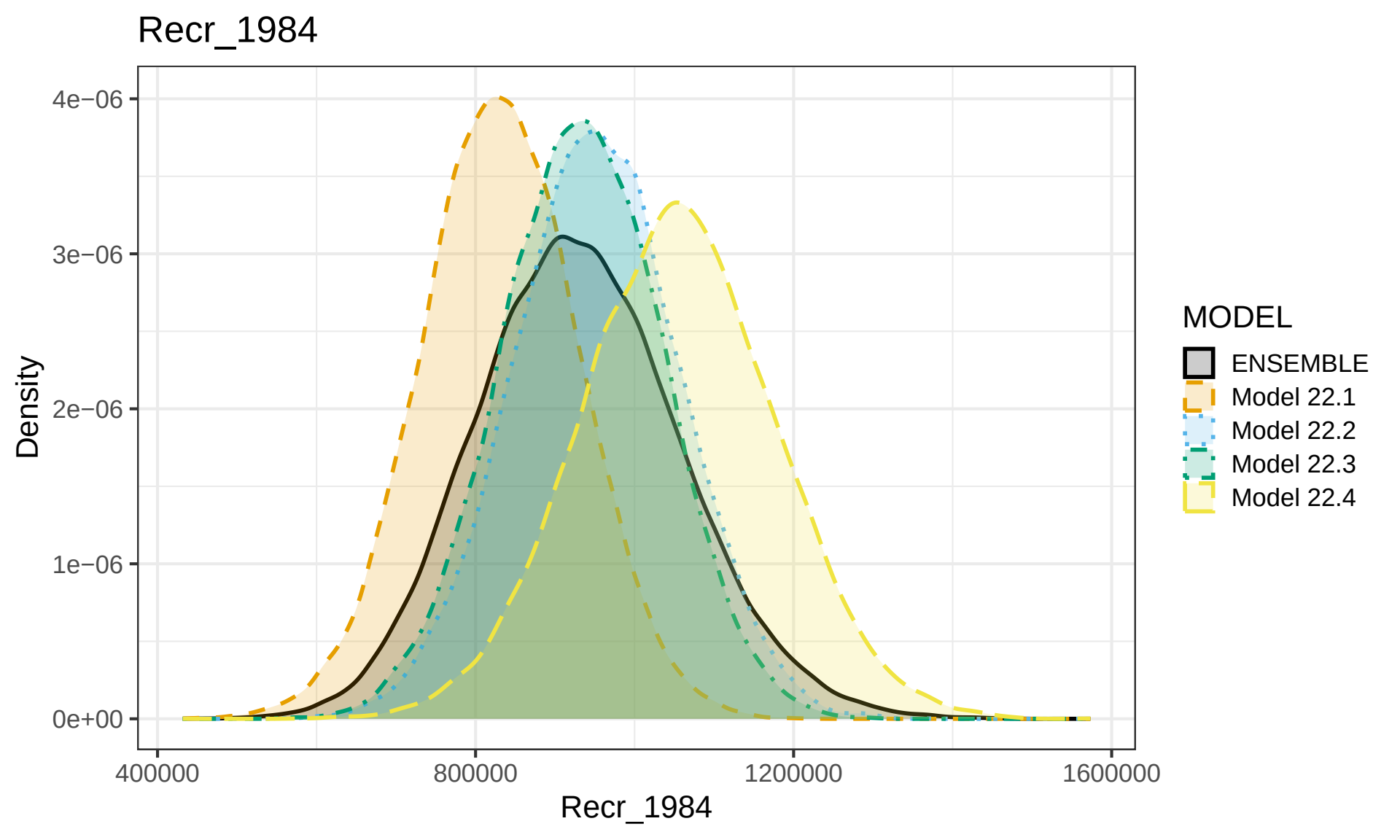

Recr_1979
Density
3e−06
2e−06
1e−06
0e+00
5e+05
1e+06
Recr_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

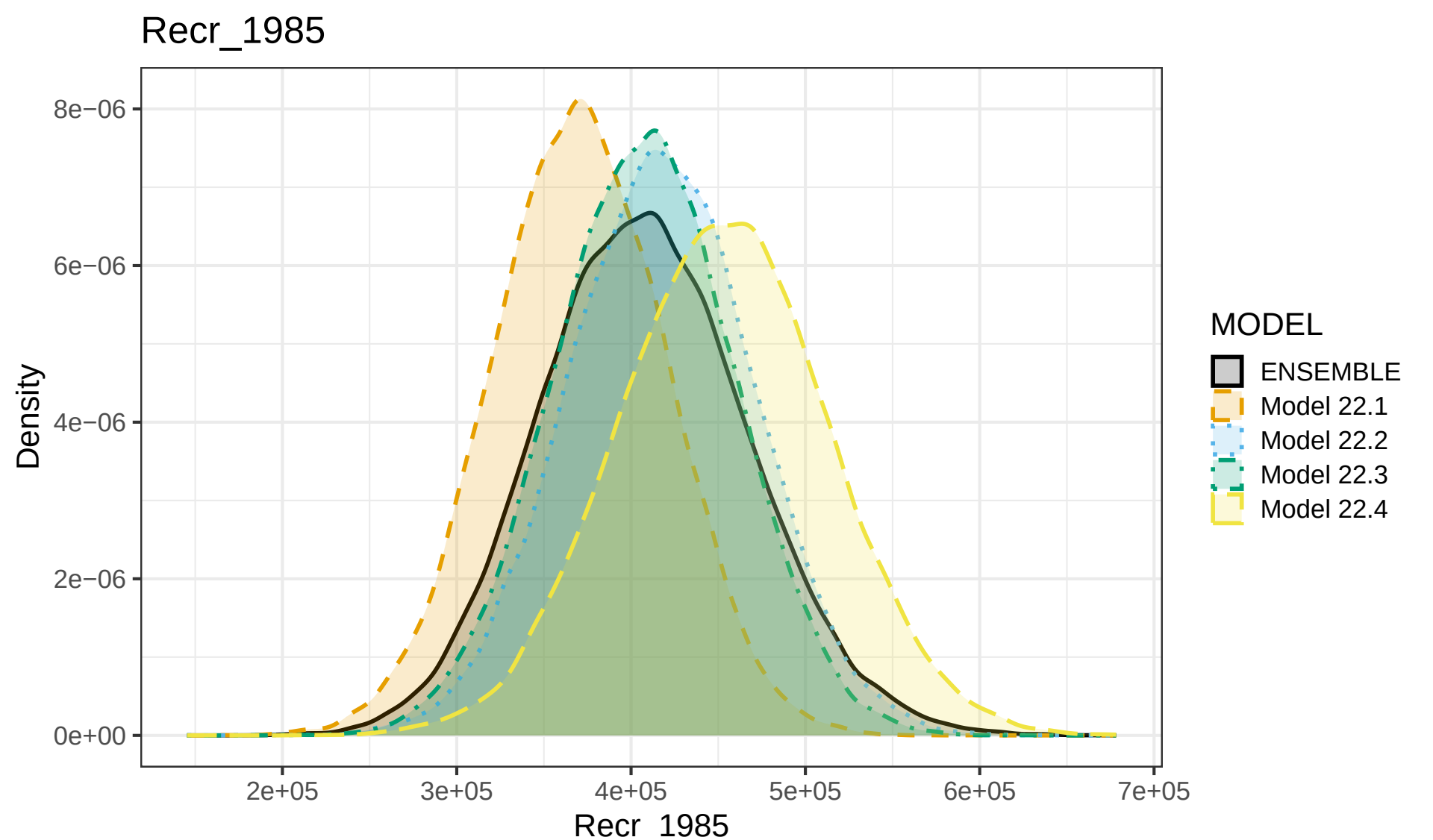

Recr_1980
Density
9e−06
6e−06
3e−06
0e+00
0e+00
1e+05
2e+05
3e+05
Recr_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

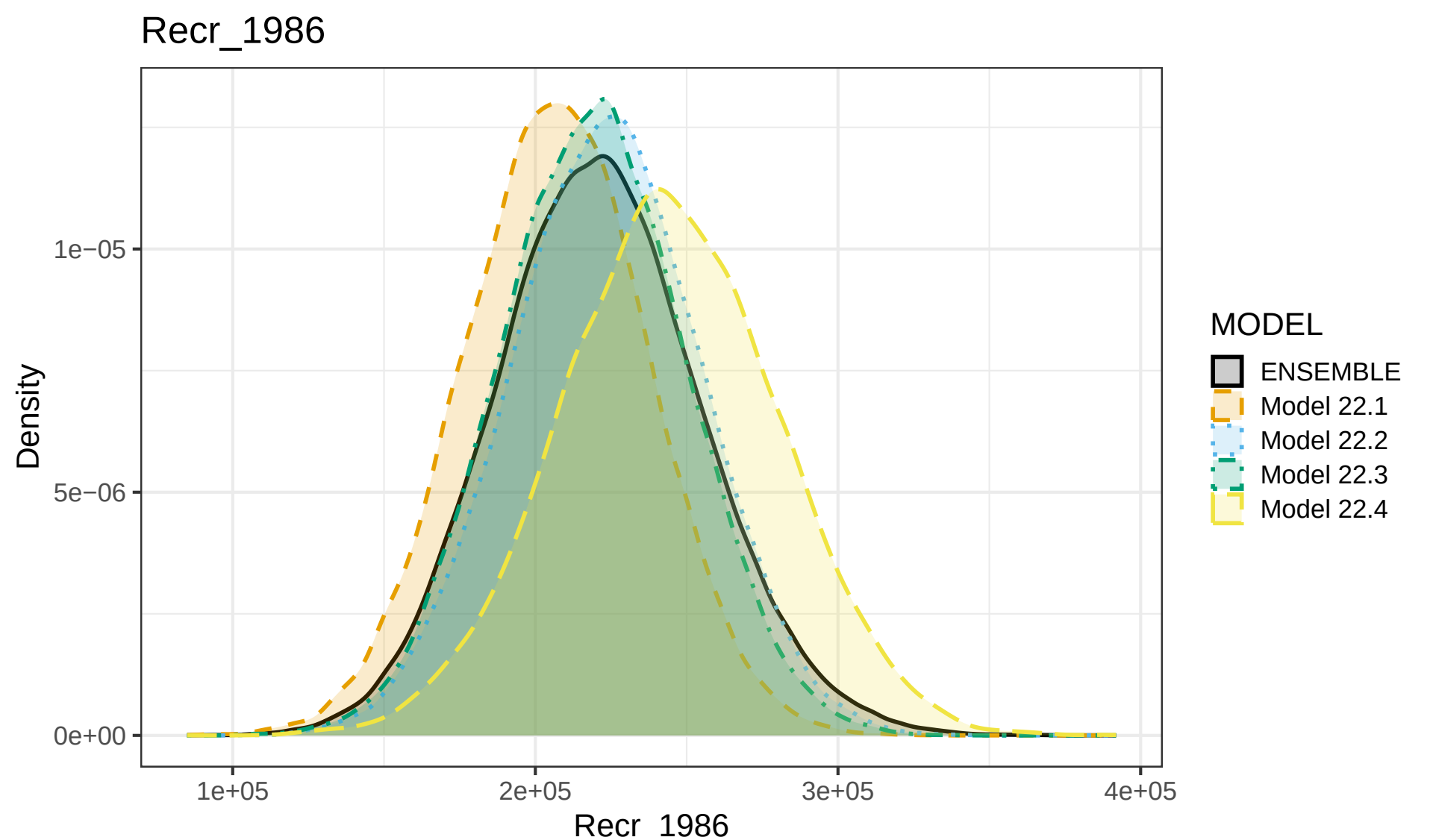

Recr_1981
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
Recr_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

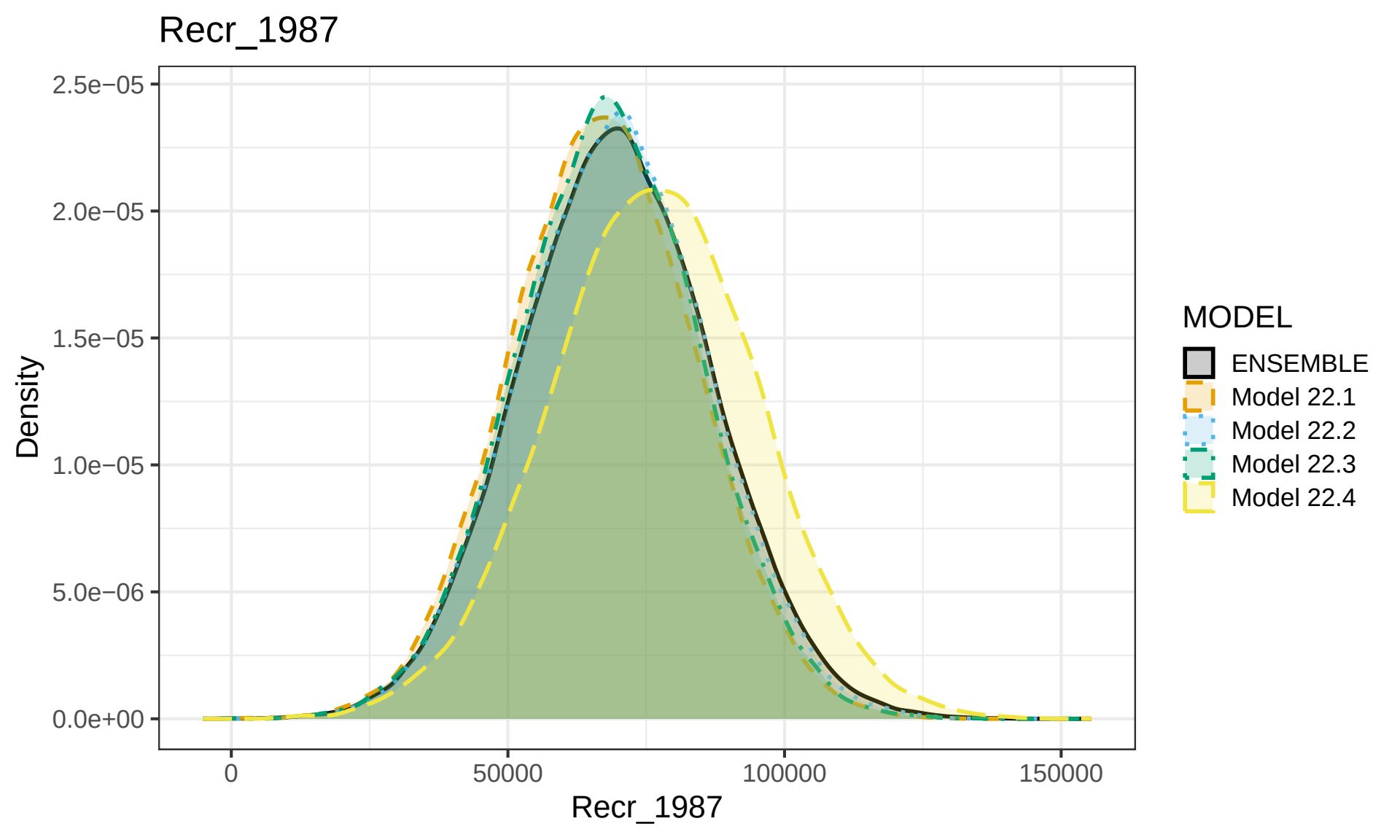

Recr_1982
Density
3e−06
2e−06
1e−06
0e+00
500000
750000
1000000
1250000
1500000
Recr_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

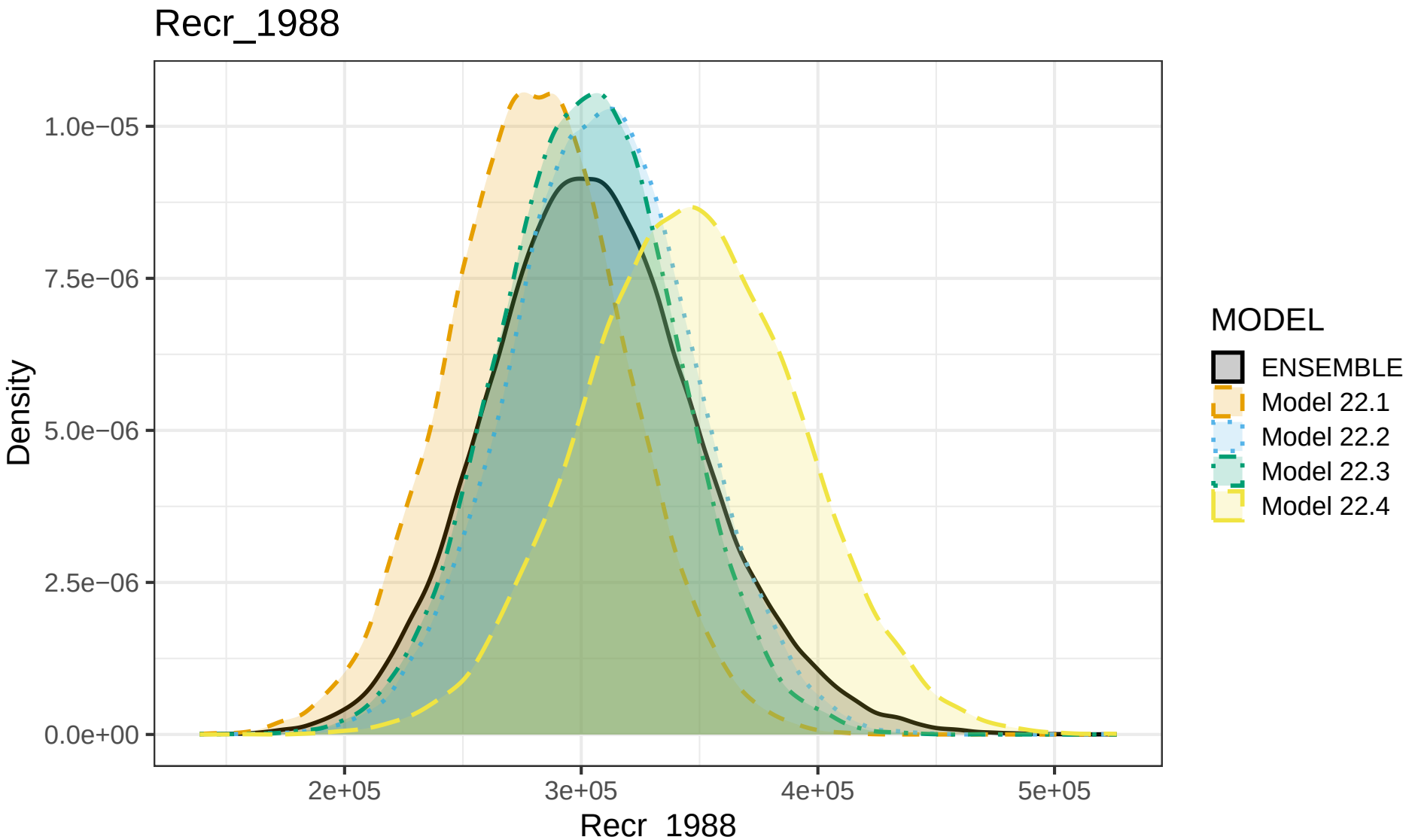

Recr_1983
Density
9e−06
6e−06
3e−06
0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
Recr_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

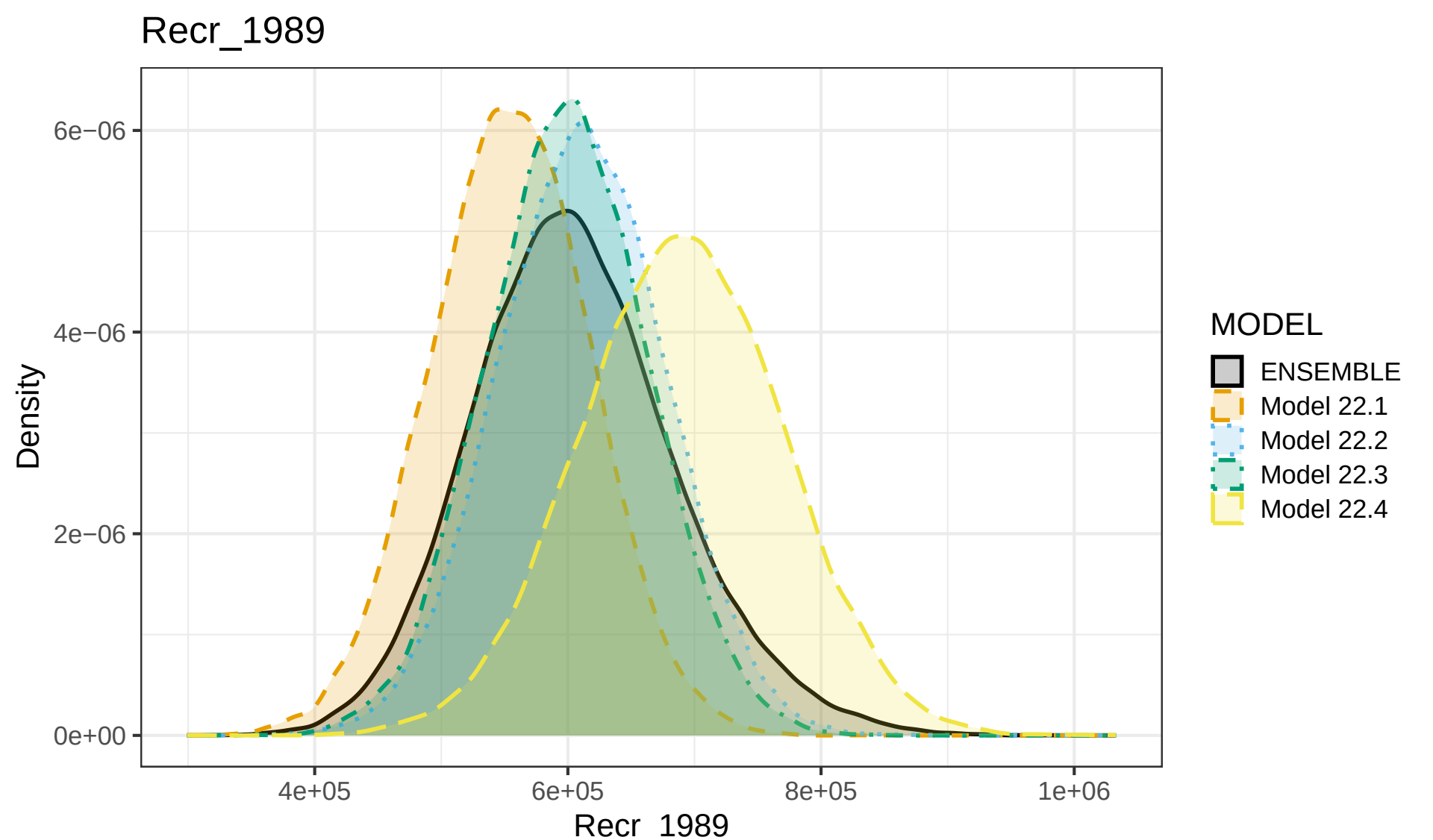

Recr_1984
4e−06
3e−06
2e−06
1e−06
0e+00
Density
400000
800000
1200000
1600000
Recr_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

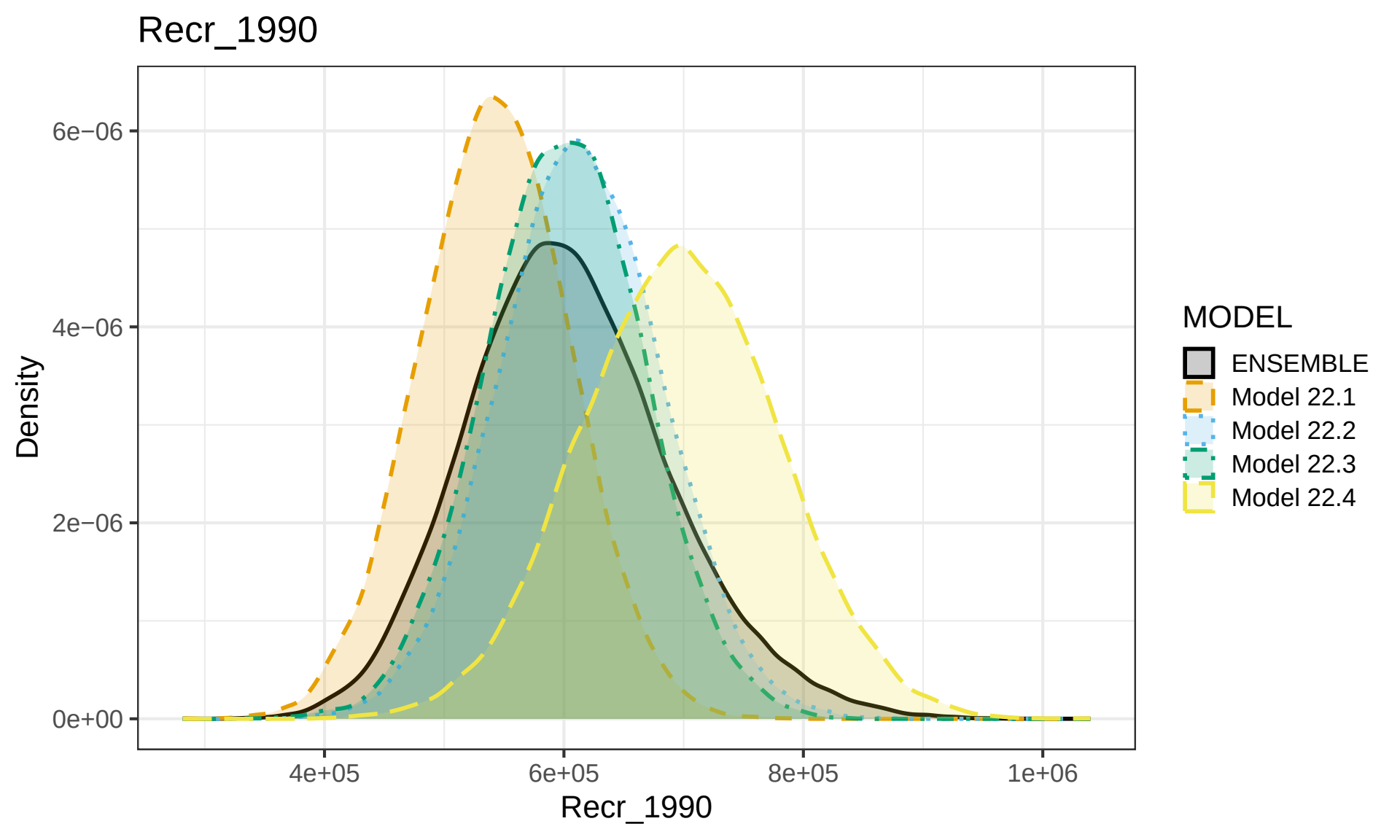

Recr_1985
8e−06
6e−06
4e−06
2e−06
0e+00
Density
2e+05
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

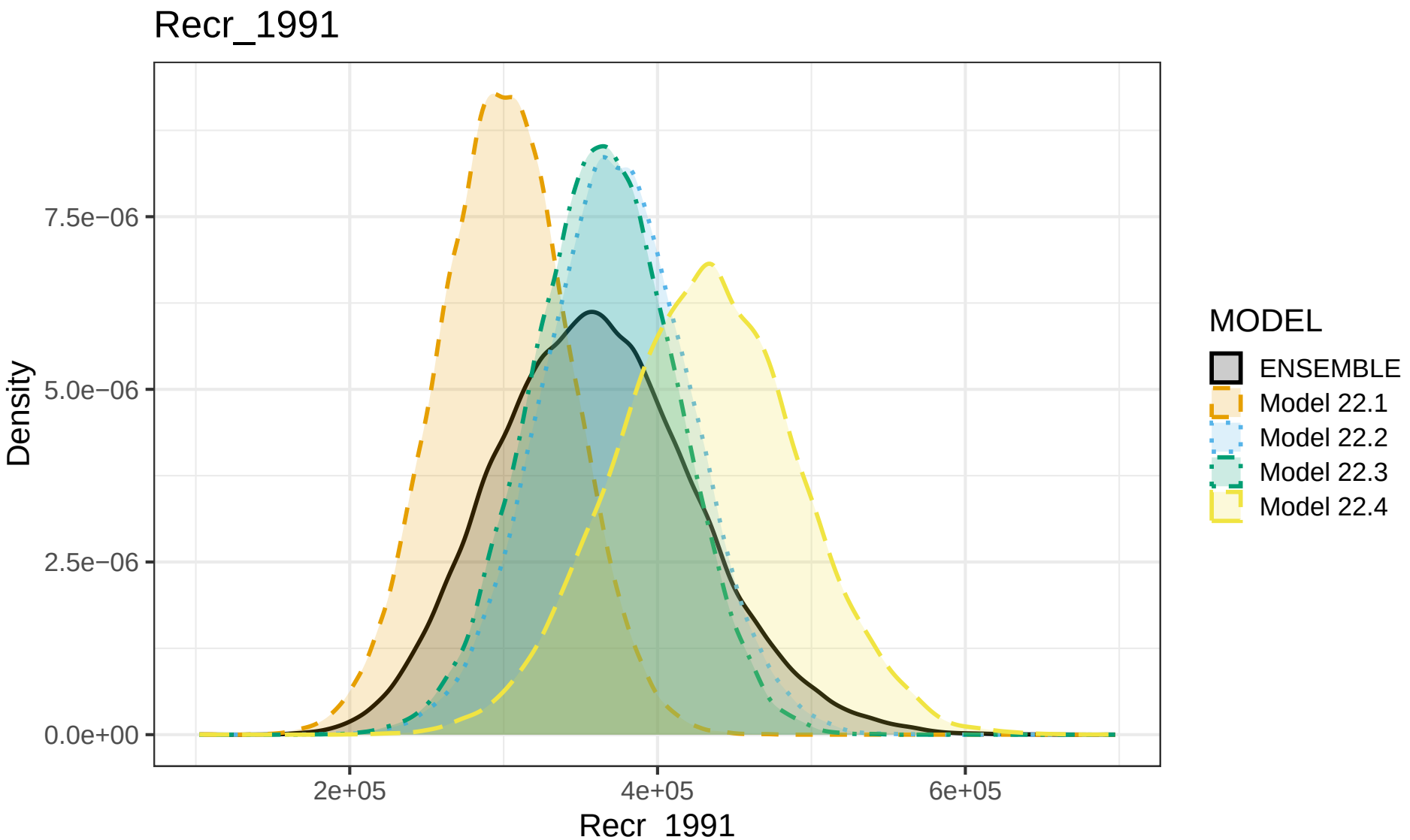

Recr_1986
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
4e+05
Recr_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

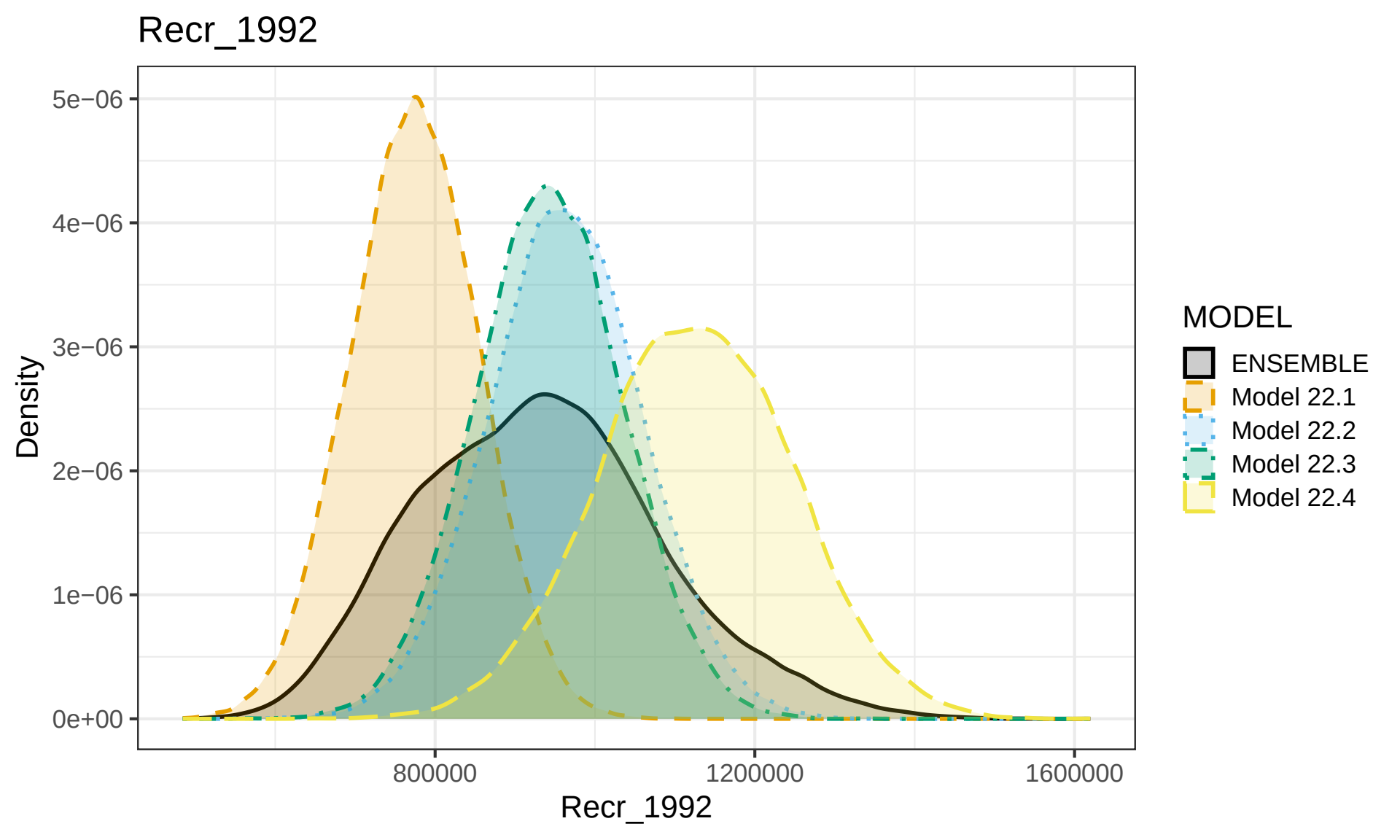

Recr_1987
2.5e−05
2.0e−05
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
0
50000
100000
150000
Recr_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

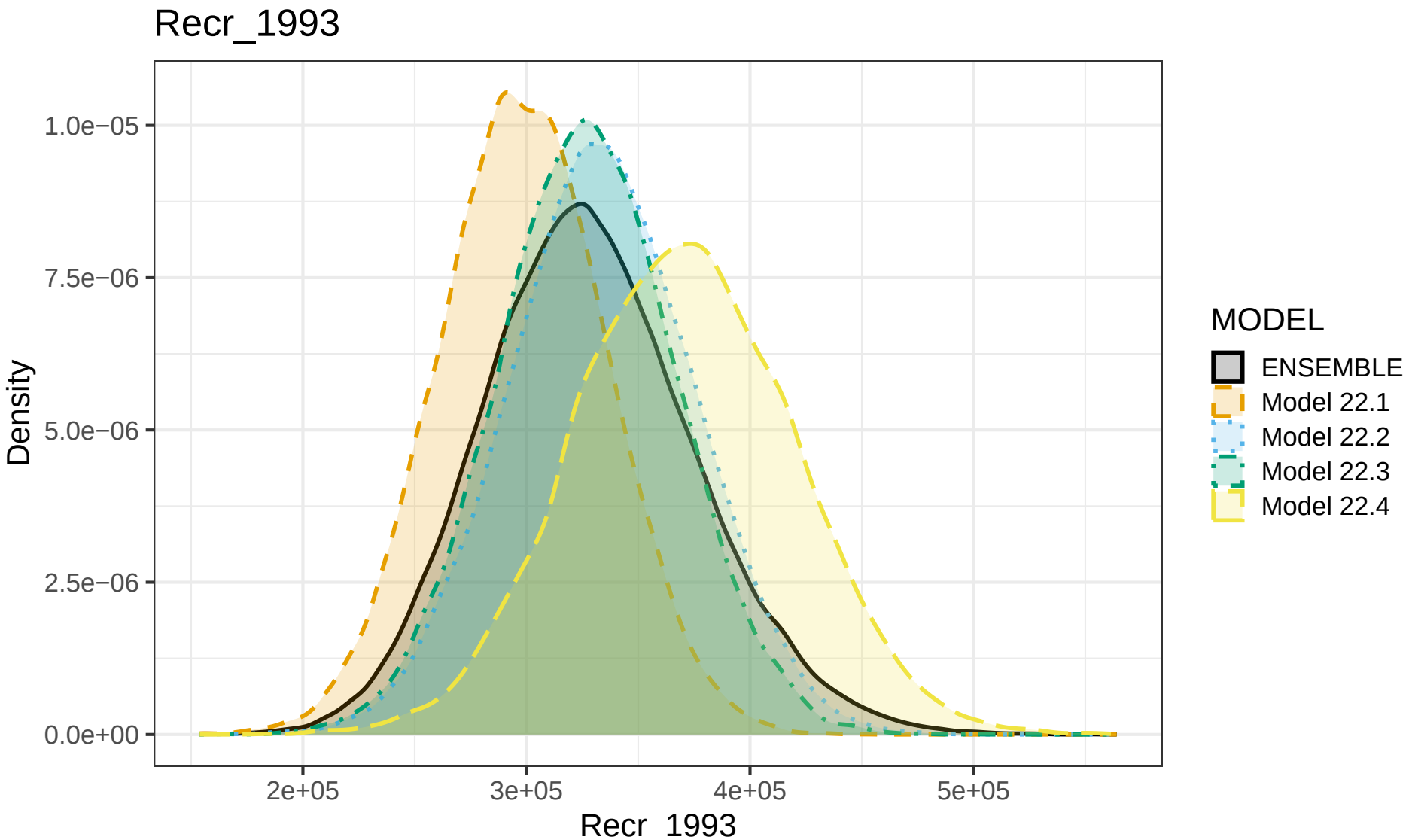

Recr_1988
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
Recr_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

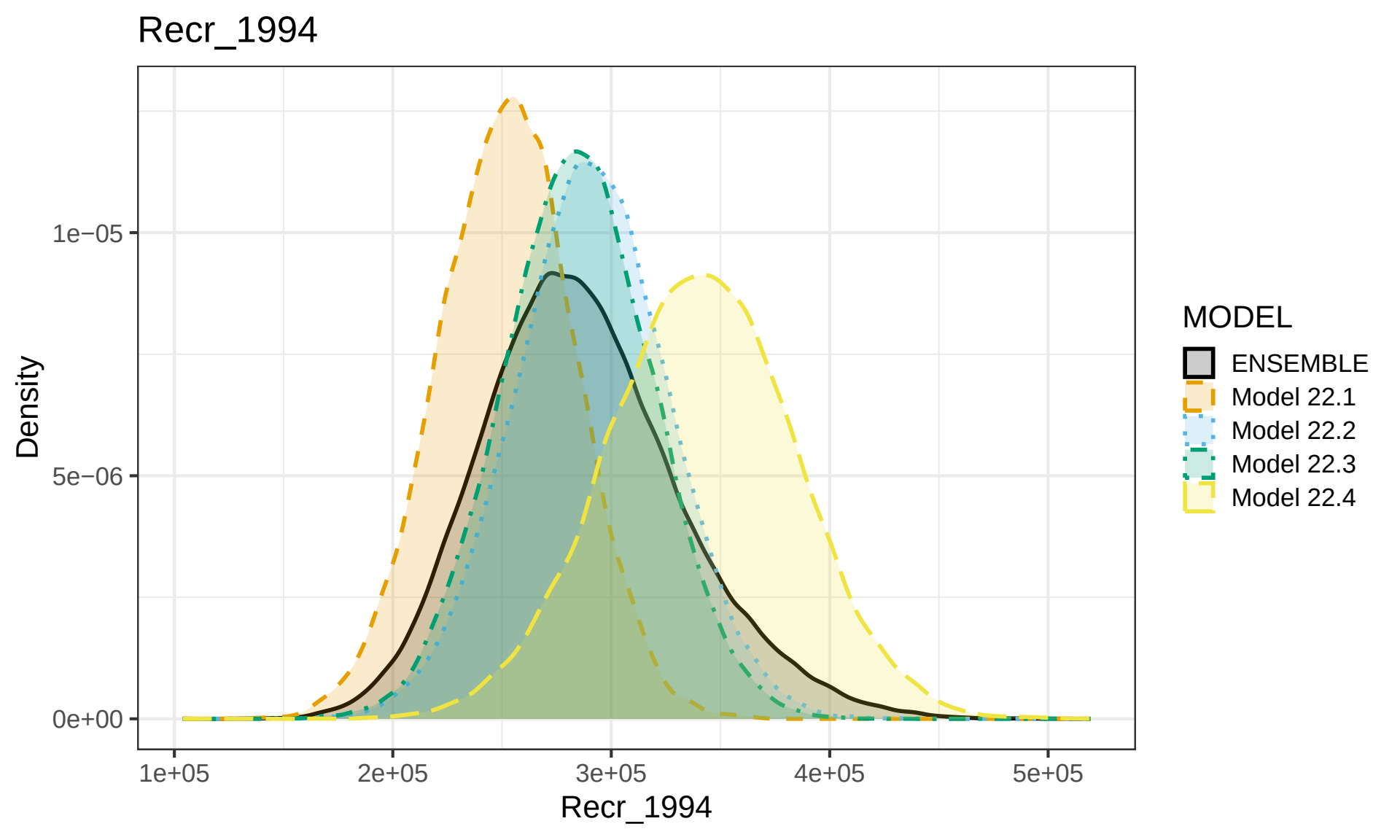

Recr_1989
6e−06
4e−06
2e−06
0e+00
Density
4e+05
6e+05
8e+05
1e+06
Recr_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

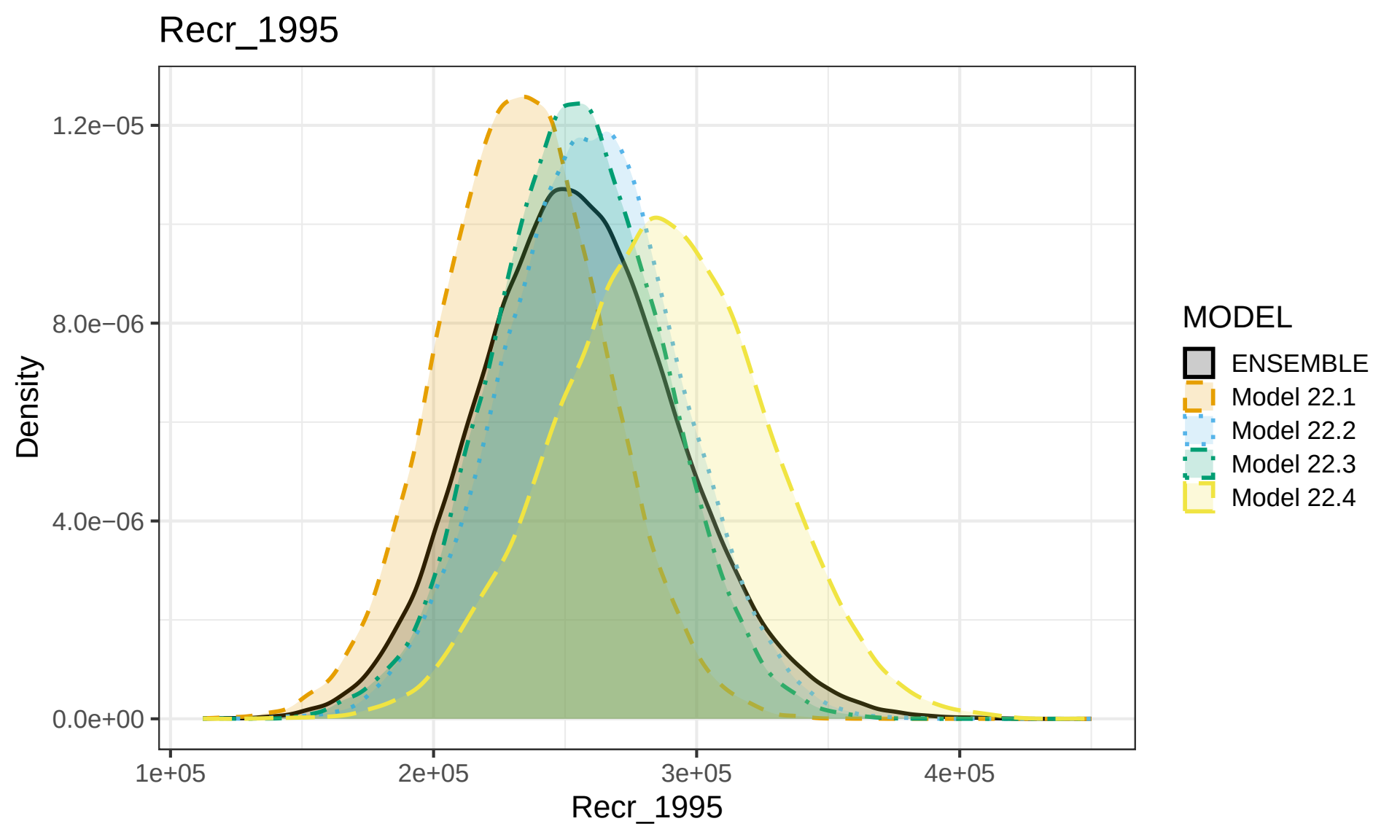

Recr_1990
6e−06
4e−06
2e−06
0e+00
Density
4e+05
6e+05
8e+05
1e+06
Recr_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

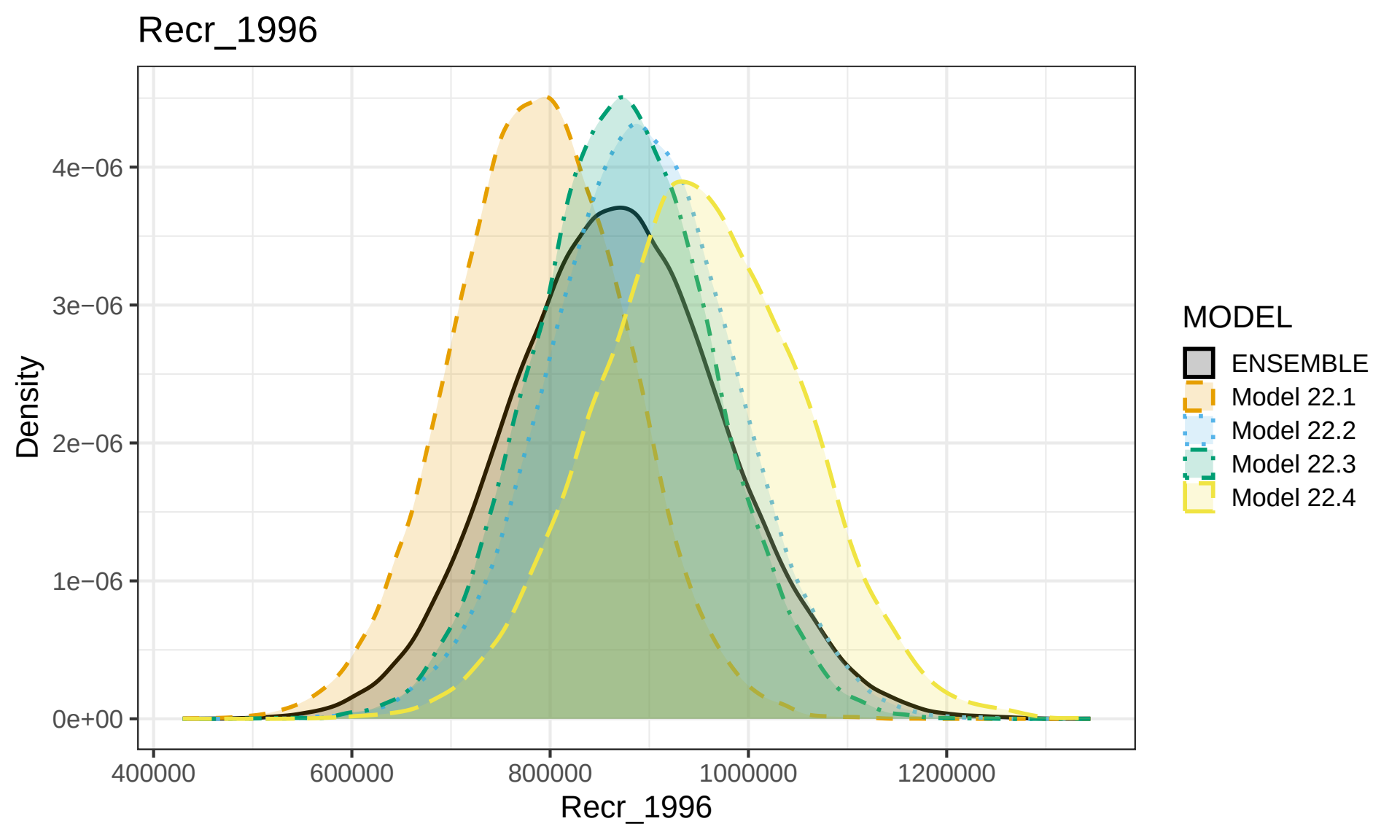

Recr_1991
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
2e+05
4e+05
6e+05
Recr_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

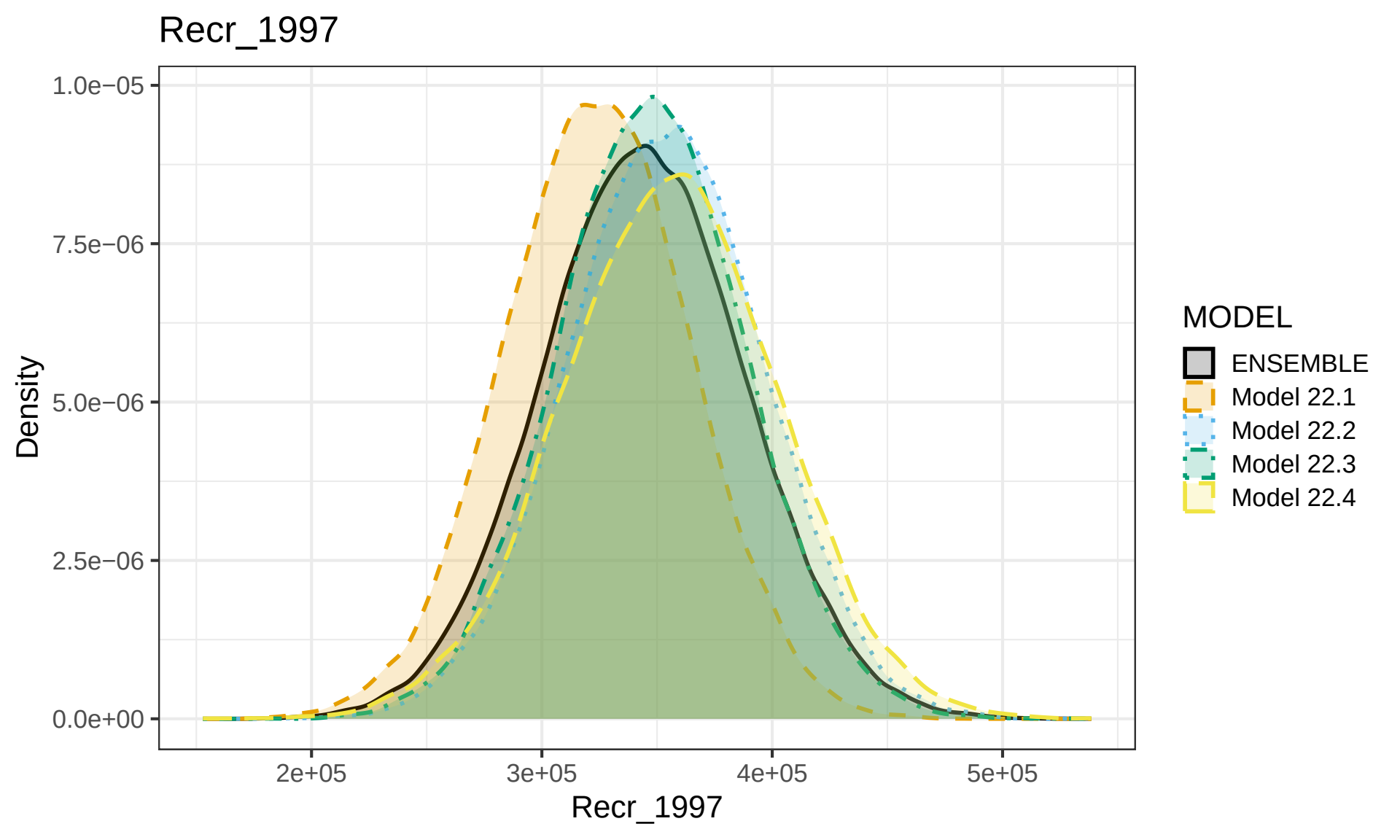

Recr_1992
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
Density
800000
1200000
1600000
Recr_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

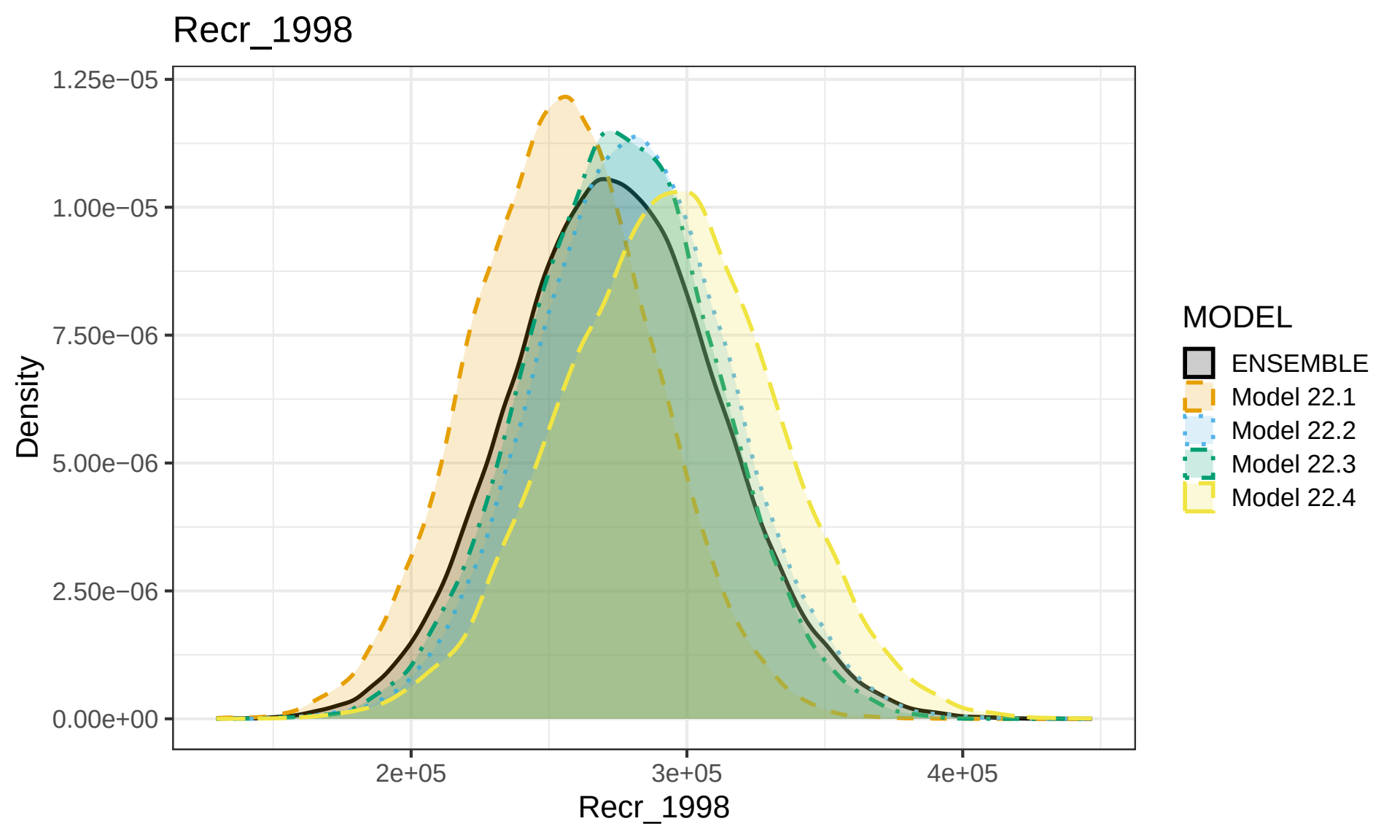

Recr_1993
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
Recr_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

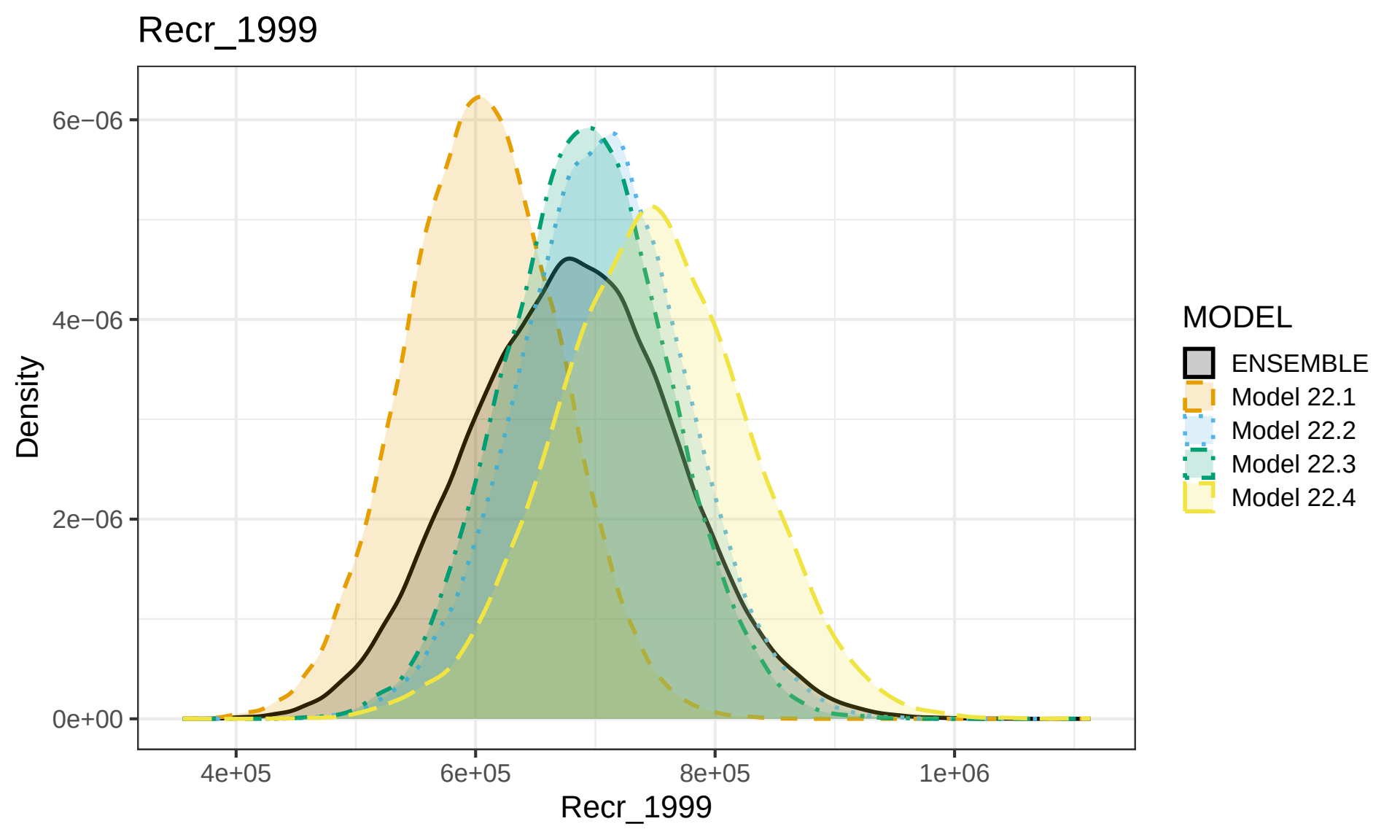

Recr_1994
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
Recr_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

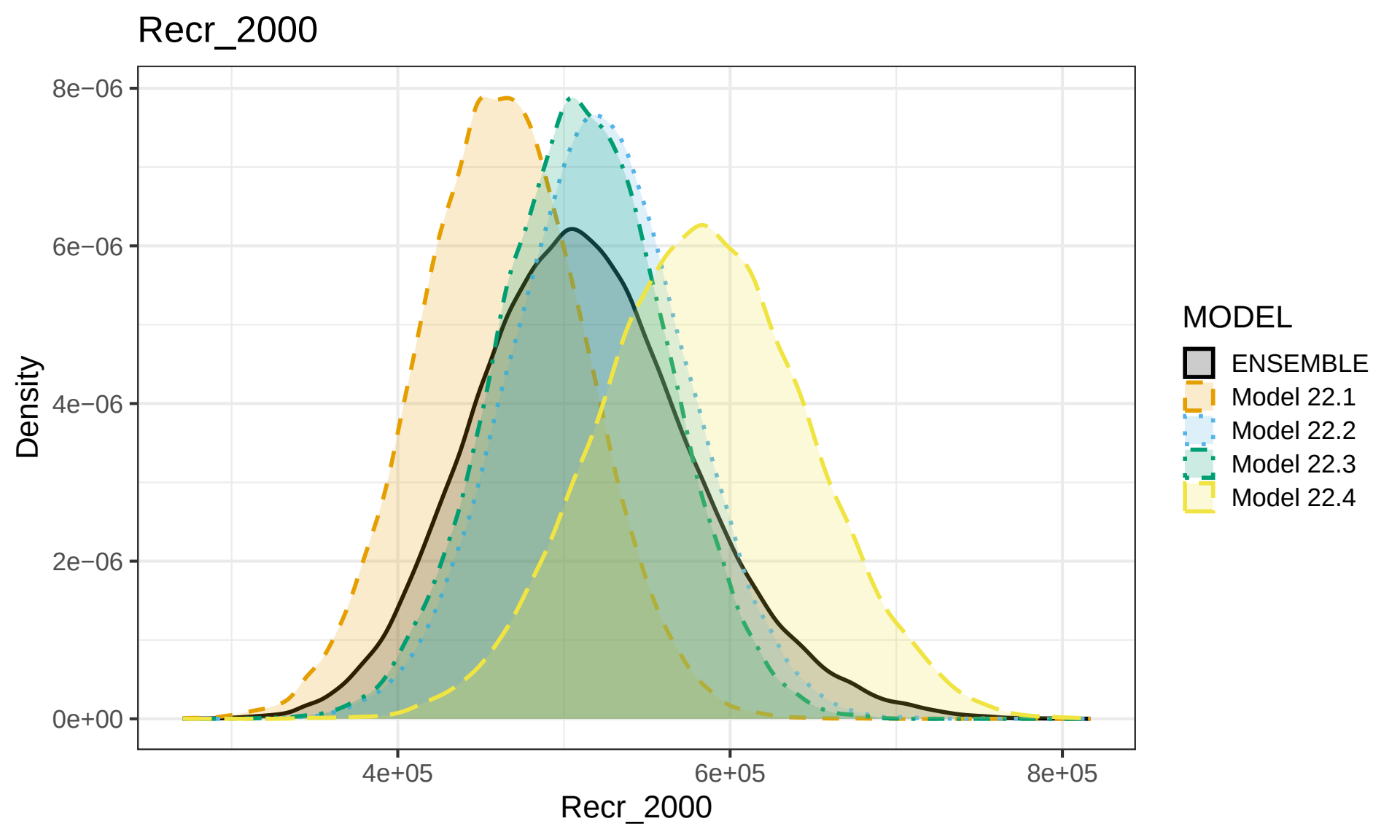

Recr_1995
1.2e−05
8.0e−06
4.0e−06
0.0e+00
Density
1e+05
2e+05
3e+05
4e+05
Recr_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

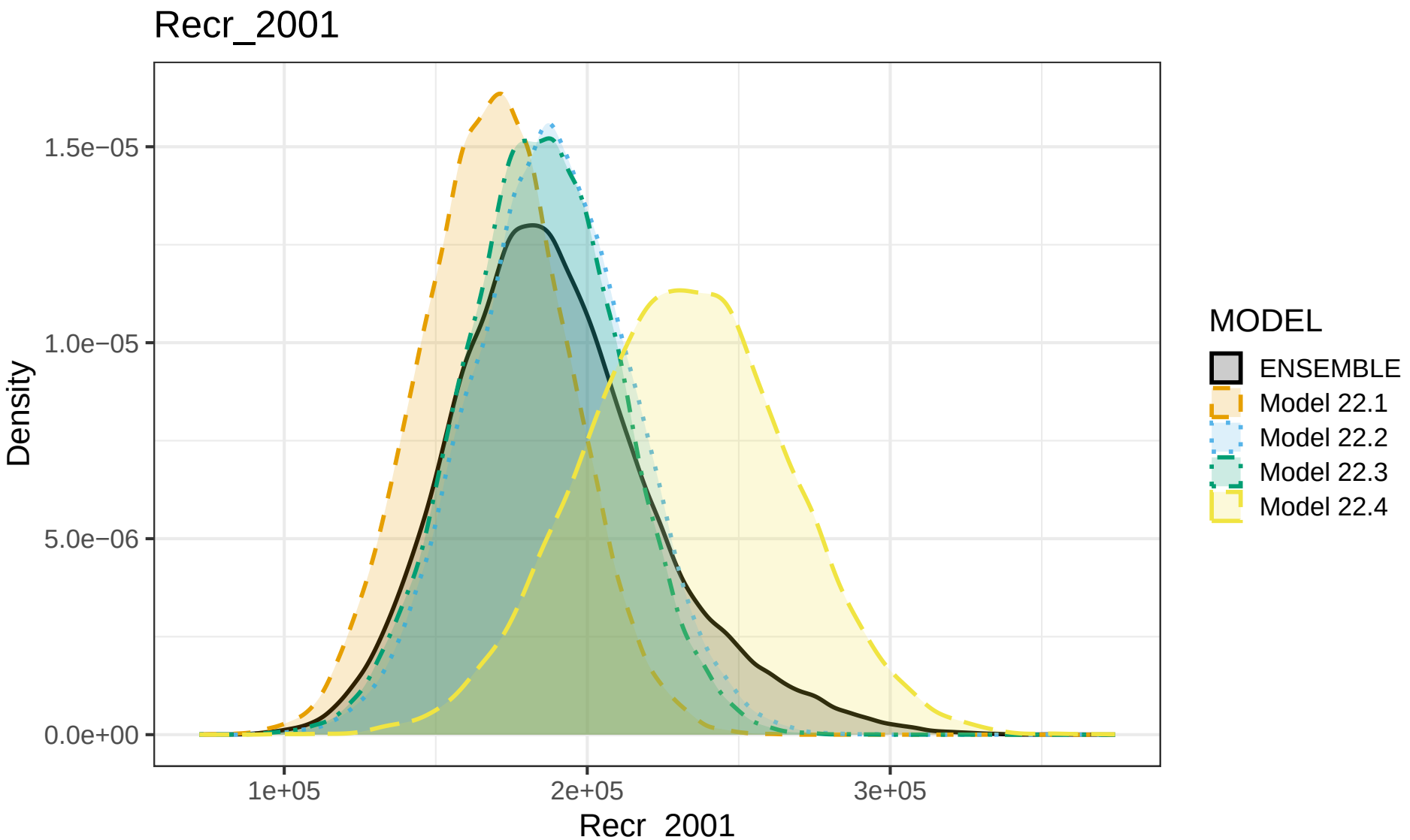

Recr_1996
Density
4e−06
3e−06
2e−06
1e−06
0e+00
400000
600000
800000
1000000
1200000
Recr_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

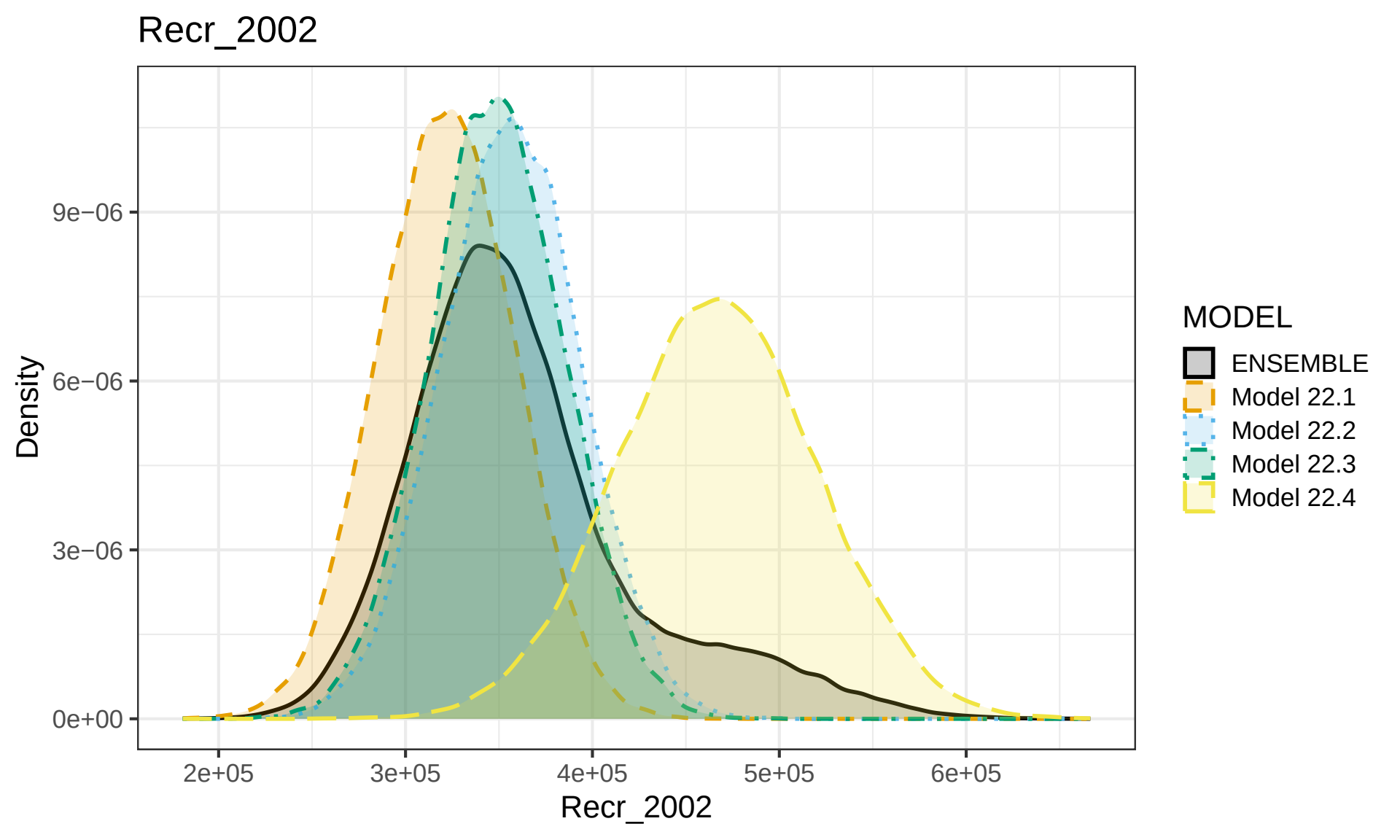

Recr_1997
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
Recr_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

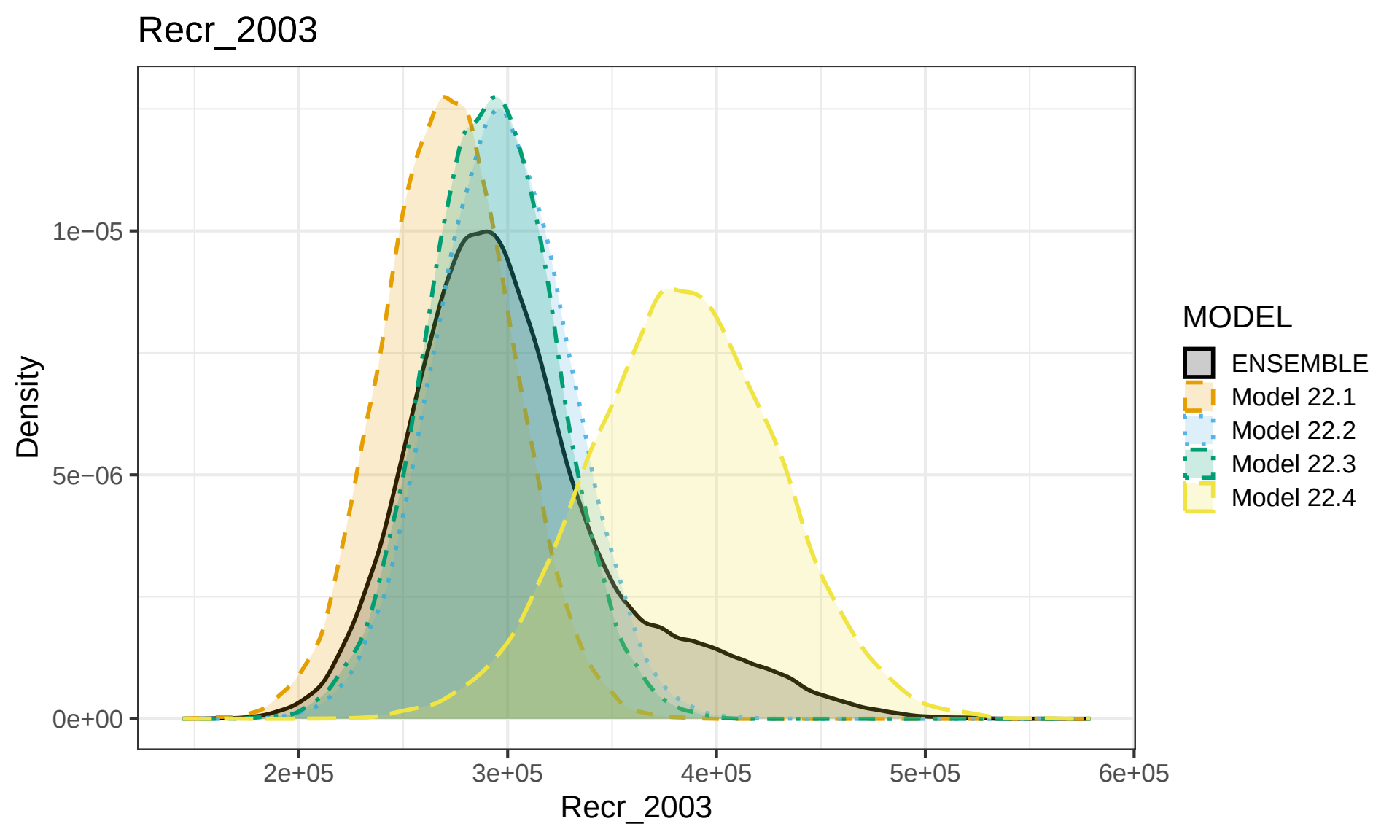

Recr_1998
1.25e−05
1.00e−05
7.50e−06
5.00e−06
2.50e−06
0.00e+00
Density
2e+05
3e+05
4e+05
Recr_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

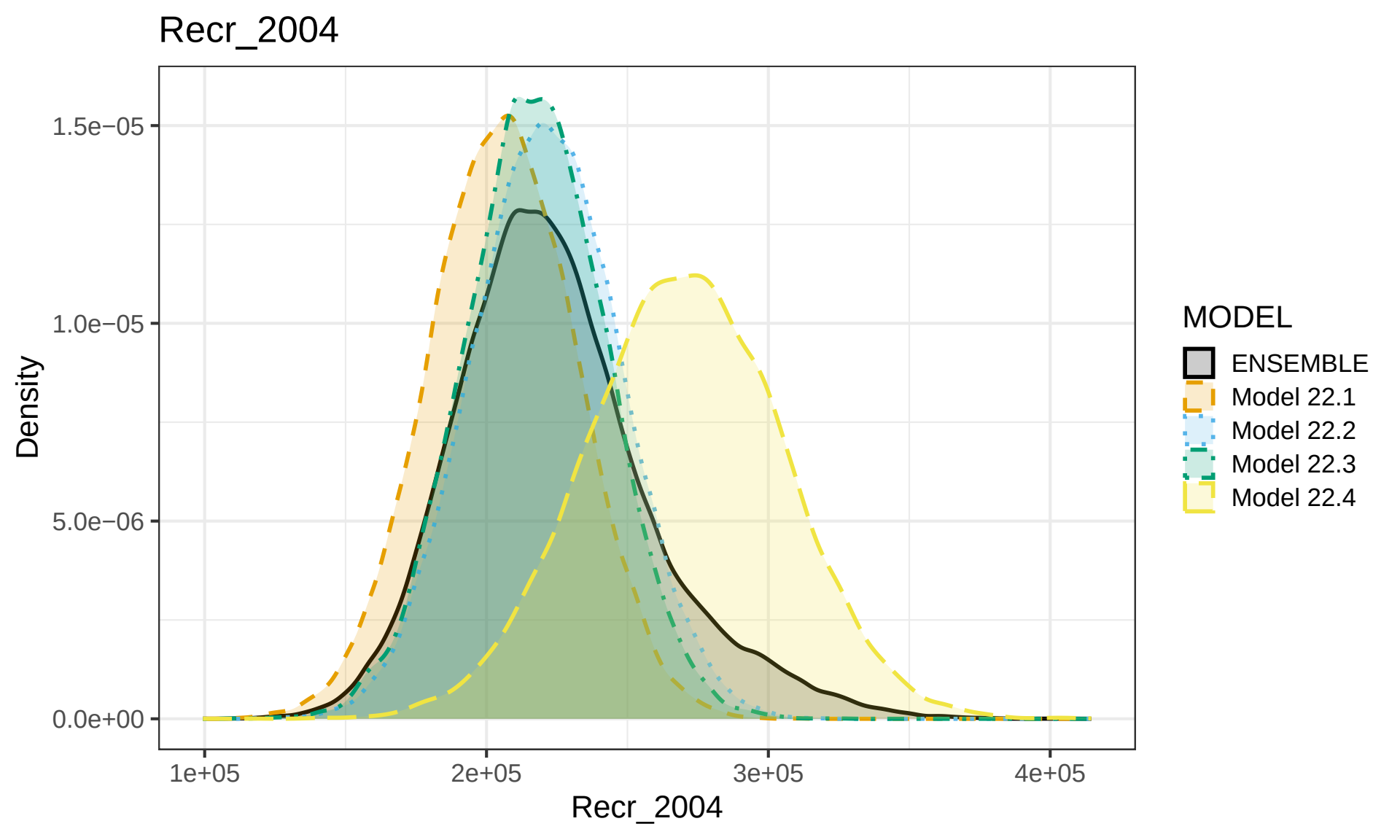

Recr_1999
6e−06
4e−06
2e−06
0e+00
Density
4e+05
6e+05
8e+05
1e+06
Recr_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

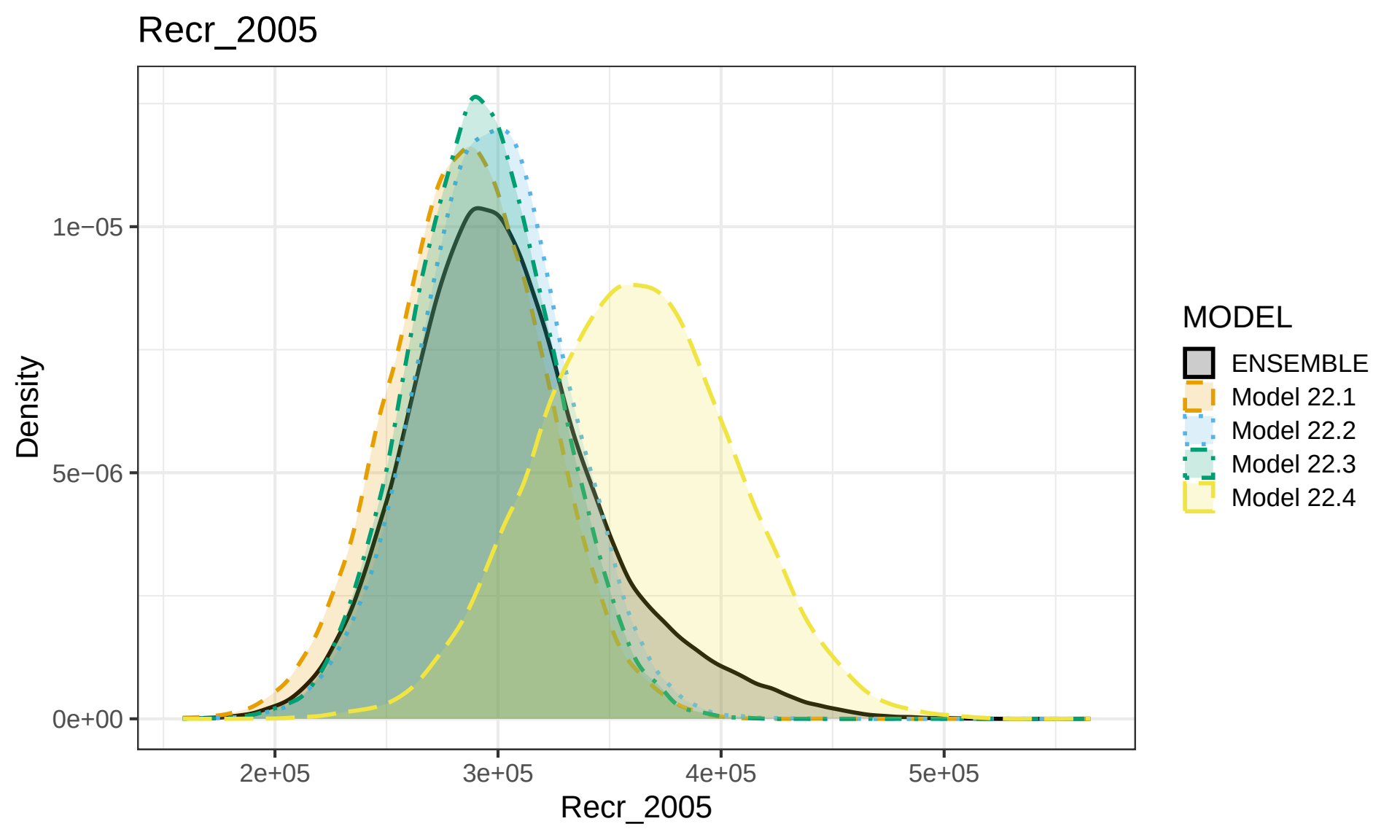

Recr_2000
8e−06
6e−06
4e−06
2e−06
0e+00
Density
4e+05
6e+05
8e+05
Recr_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

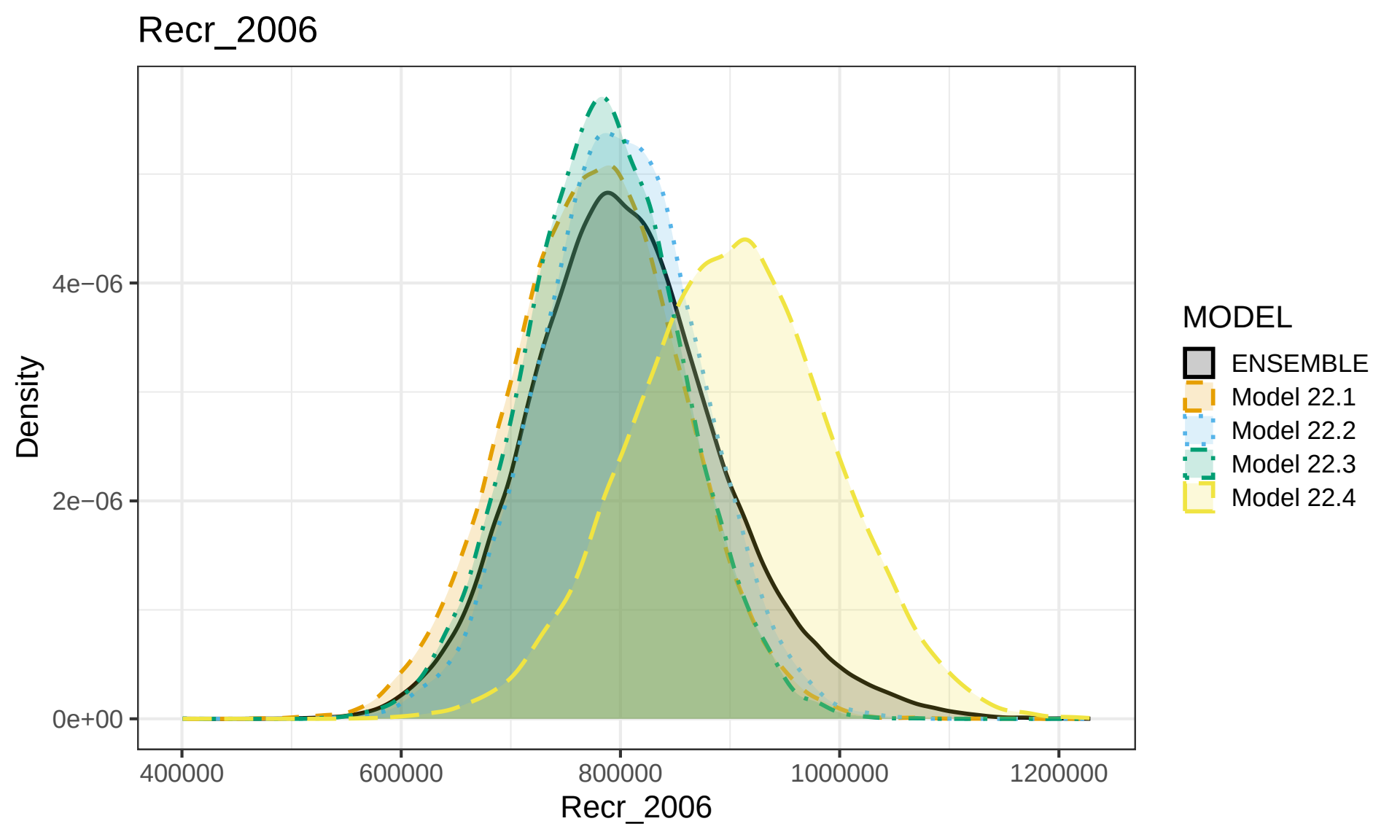

Recr_2001
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
1e+05
2e+05
3e+05
Recr_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

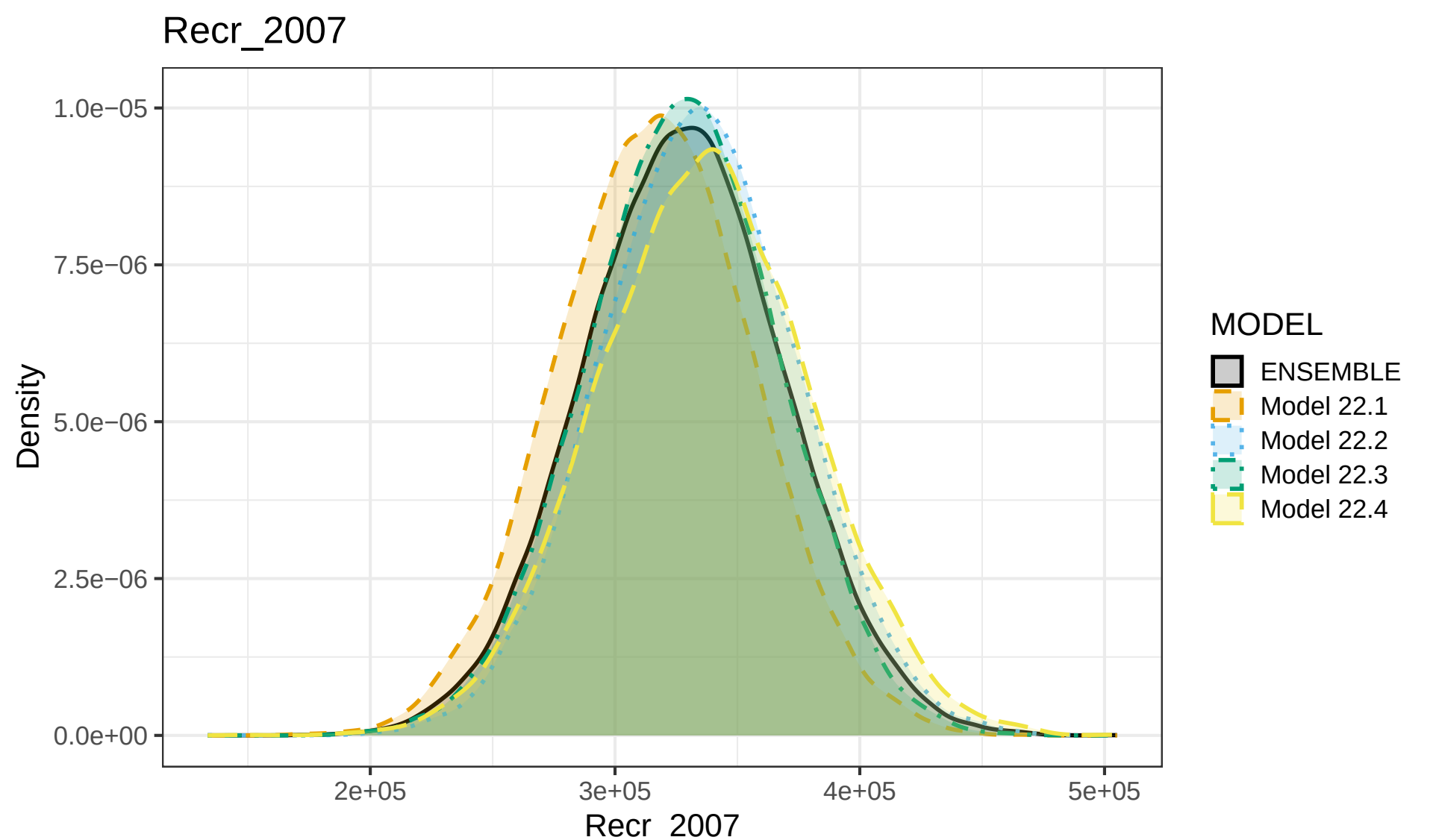

Recr_2002
Density
9e−06
6e−06
3e−06
0e+00
2e+05
3e+05
4e+05
5e+05
6e+05
Recr_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

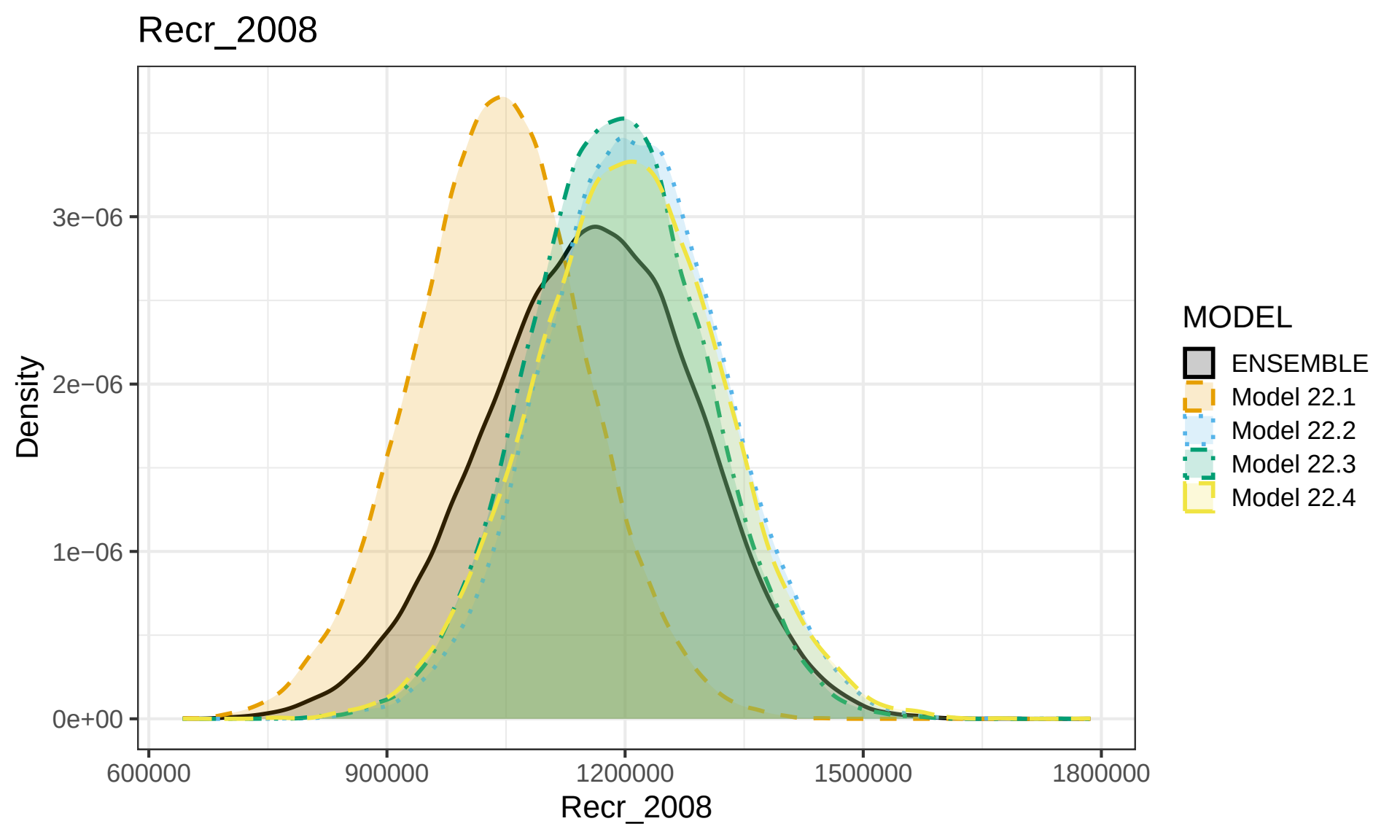

Recr_2003
Density
1e−05
5e−06
0e+00
2e+05
3e+05
4e+05
5e+05
6e+05
Recr_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

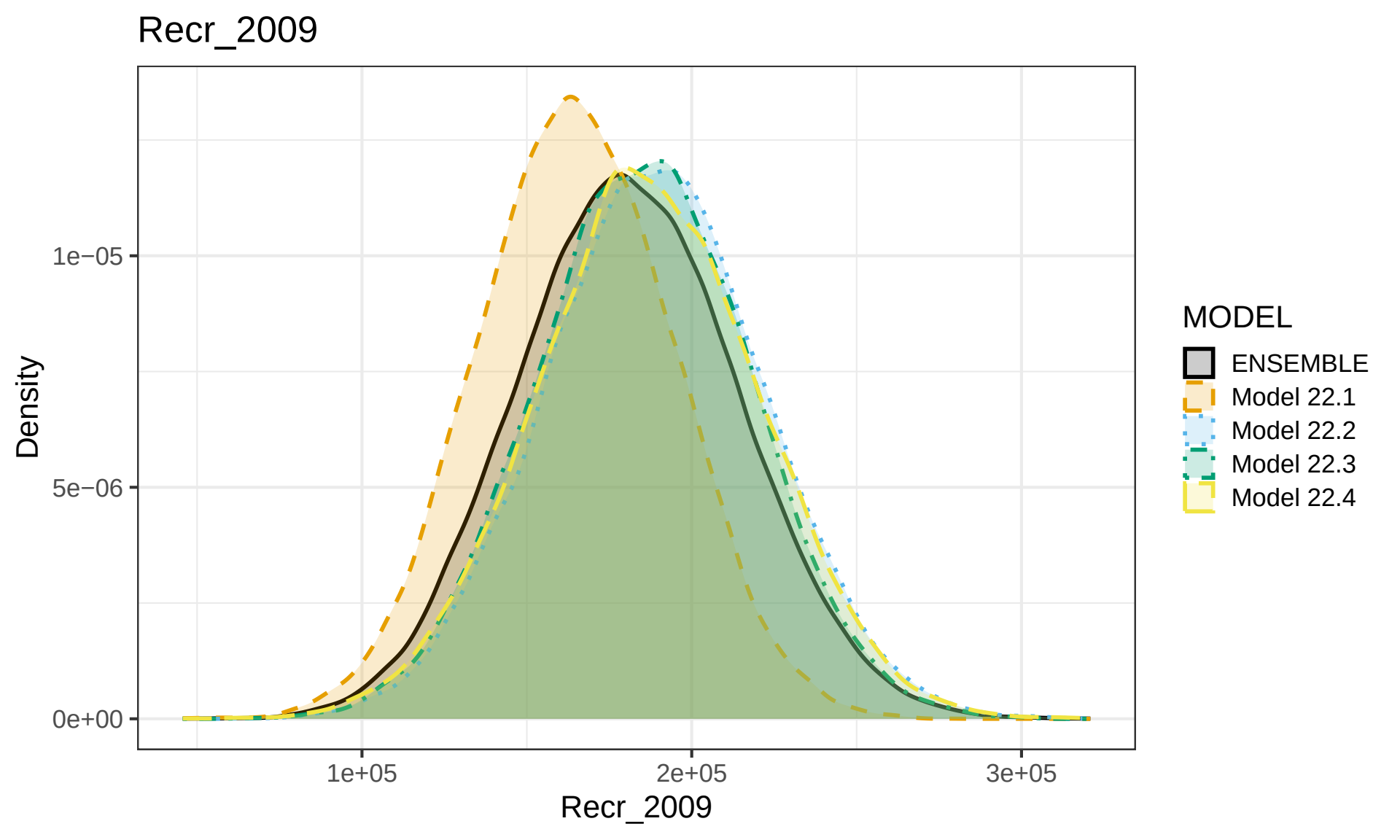

Recr_2004
1.5e−05
1.0e−05
5.0e−06
0.0e+00
Density
1e+05
2e+05
3e+05
4e+05
Recr_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

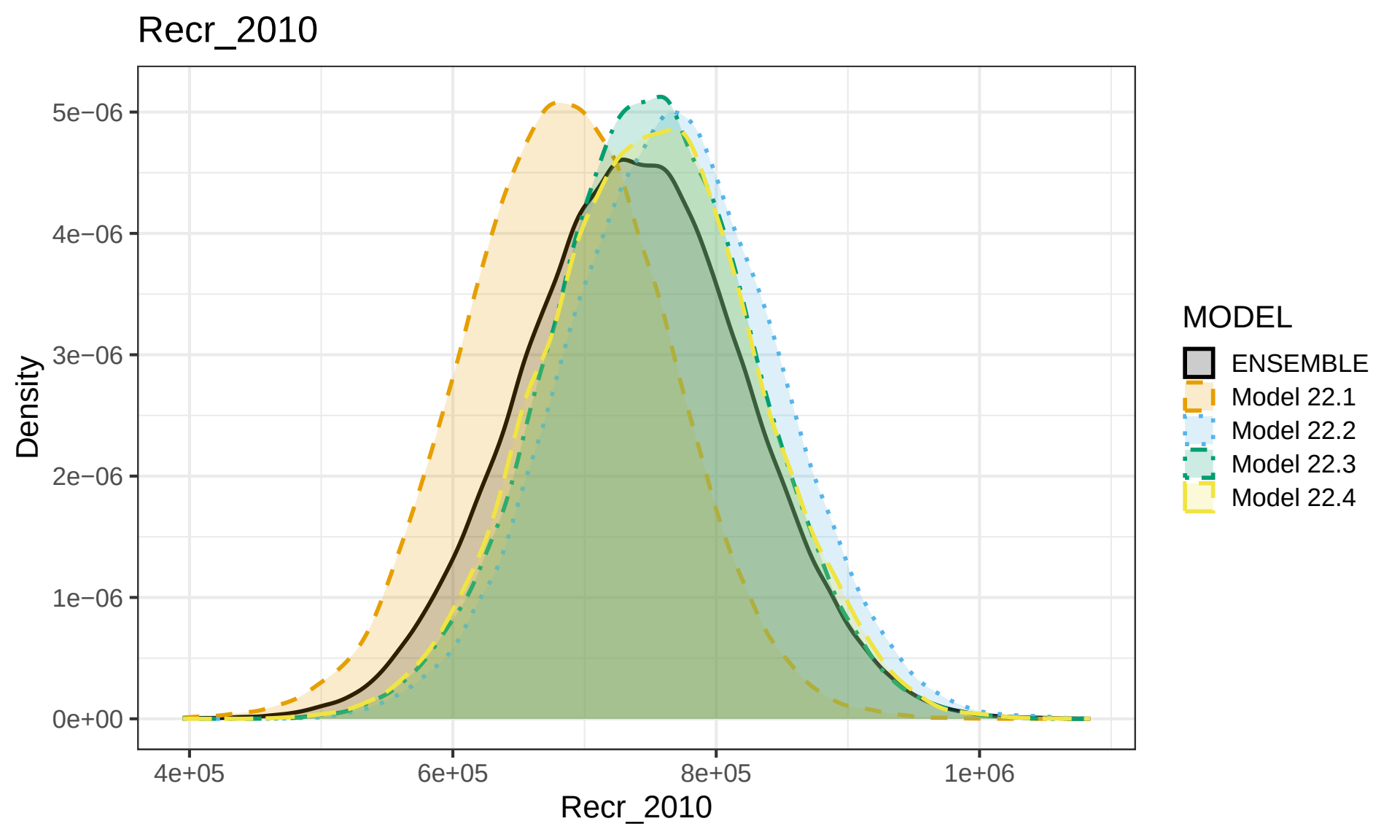

Recr_2005
Density
1e−05
5e−06
0e+00
2e+05
3e+05
4e+05
5e+05
Recr_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

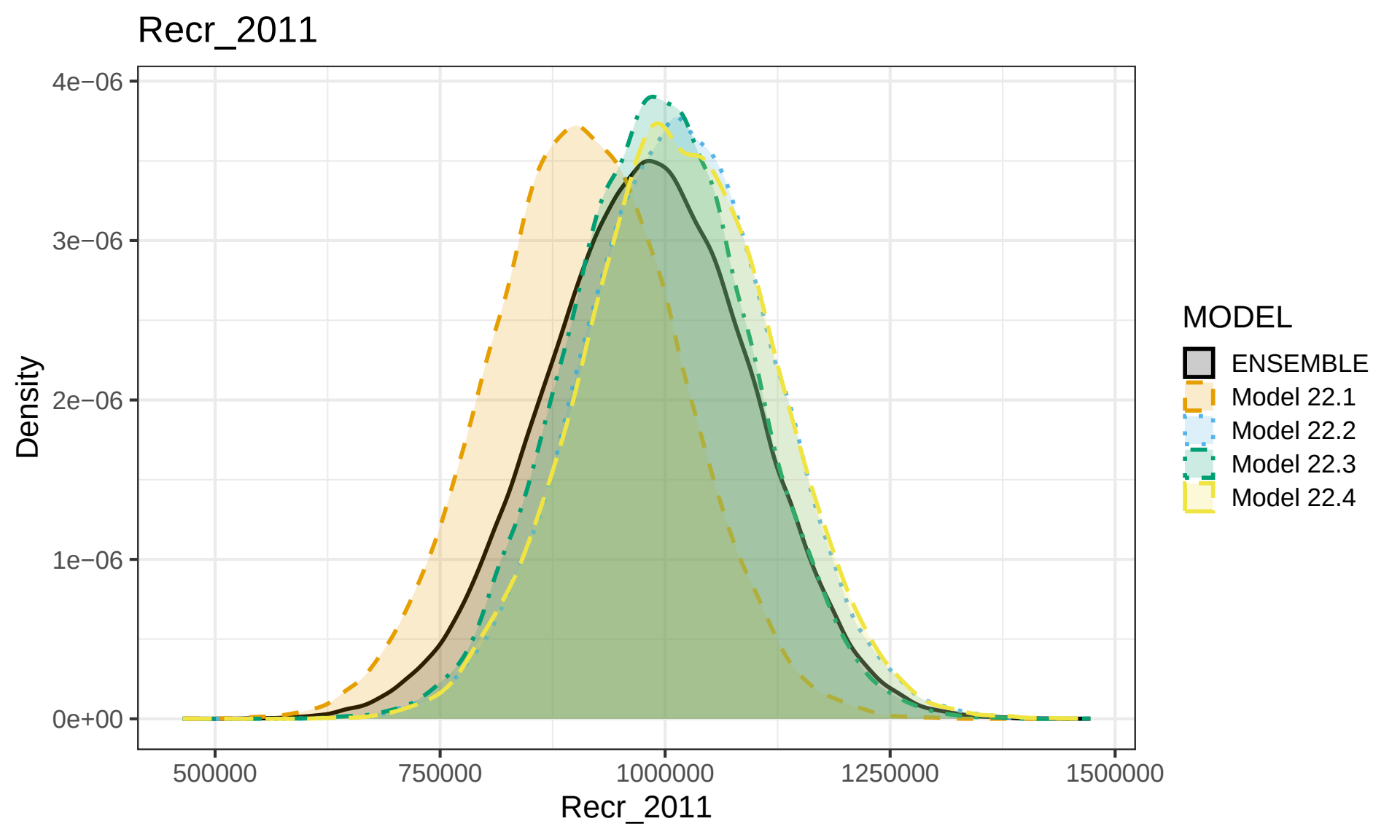

Recr_2006
Density
4e−06
2e−06
0e+00
400000
600000
800000
1000000
1200000
Recr_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

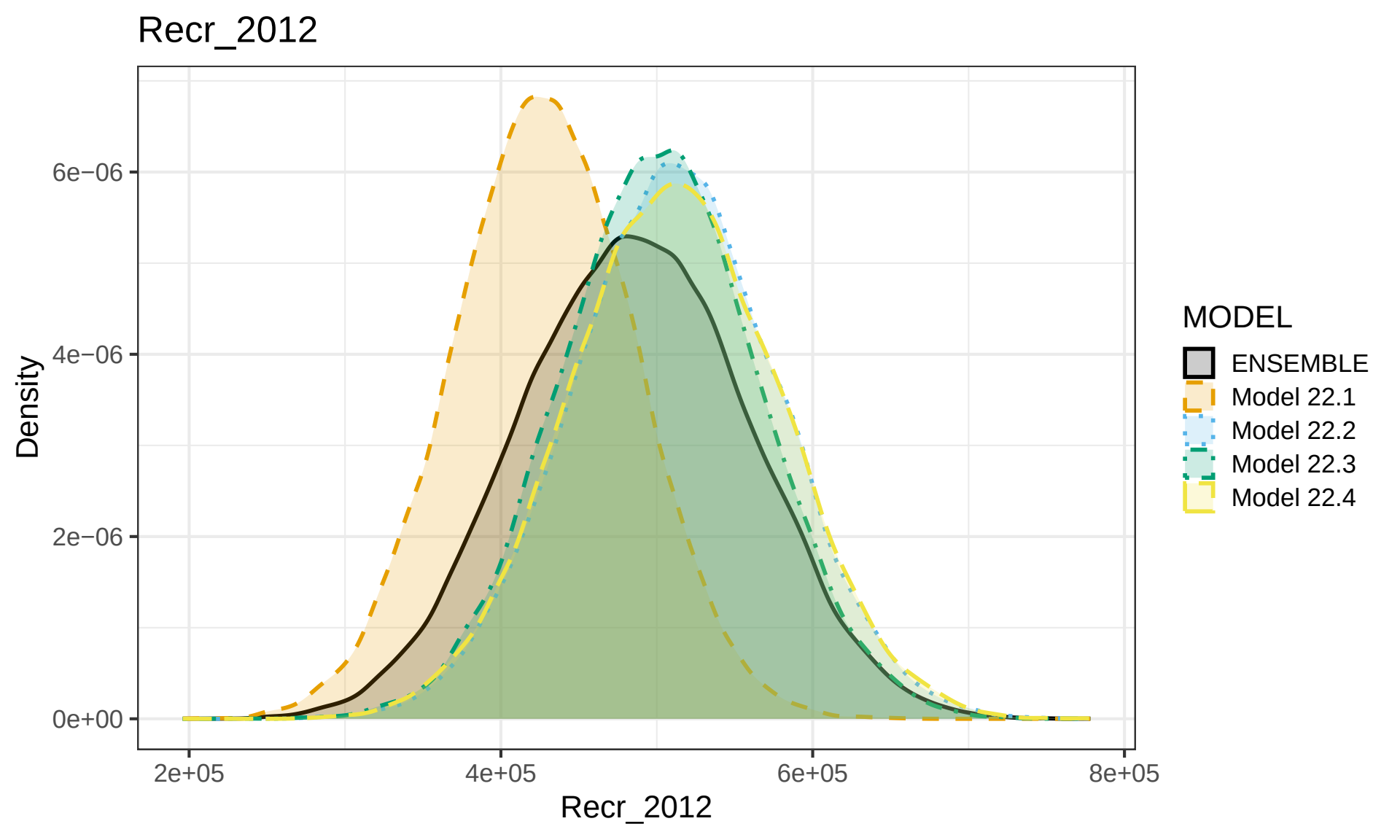

Recr_2007
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
Recr_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

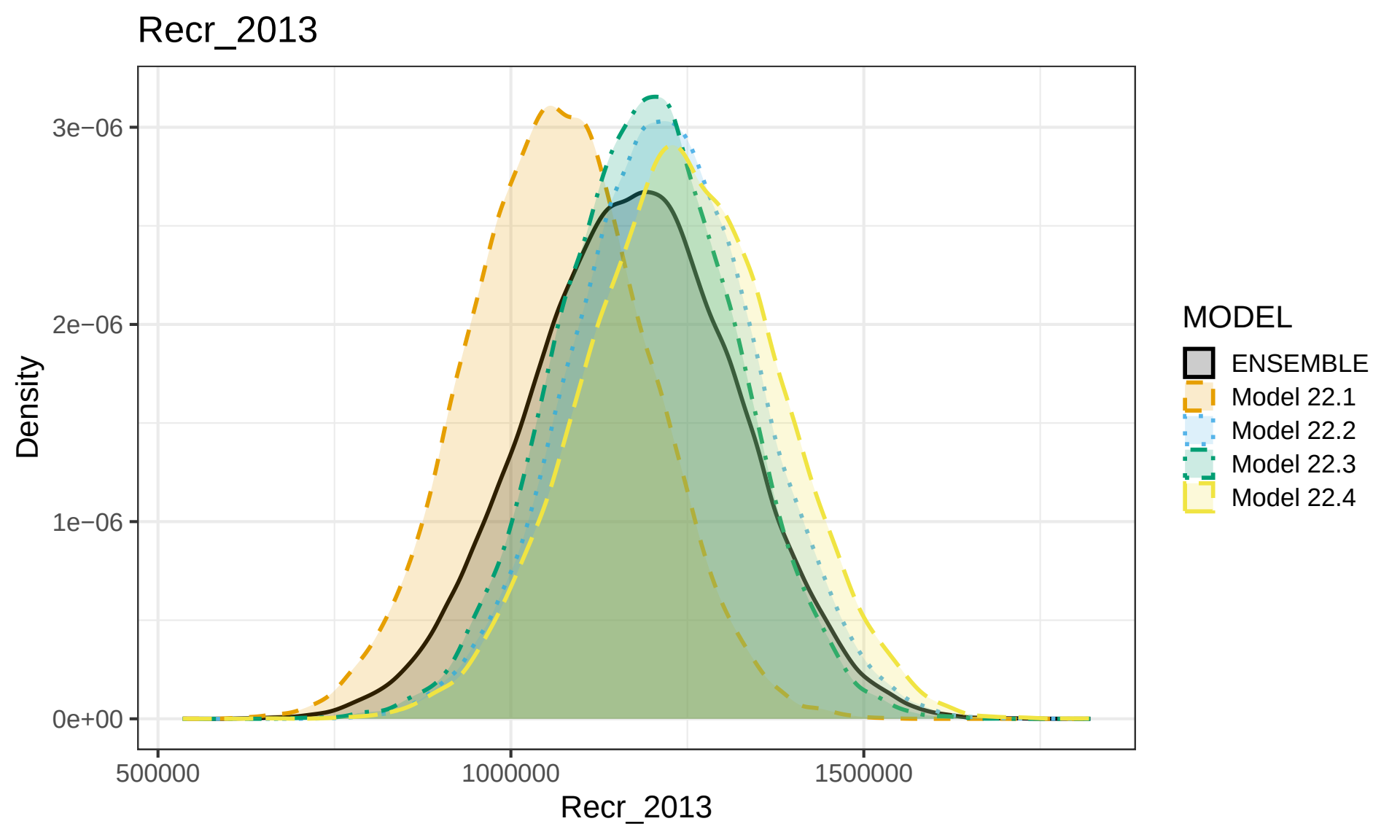

Recr_2008
Density
3e−06
2e−06
1e−06
0e+00
600000
900000
1200000
1500000
1800000
Recr_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

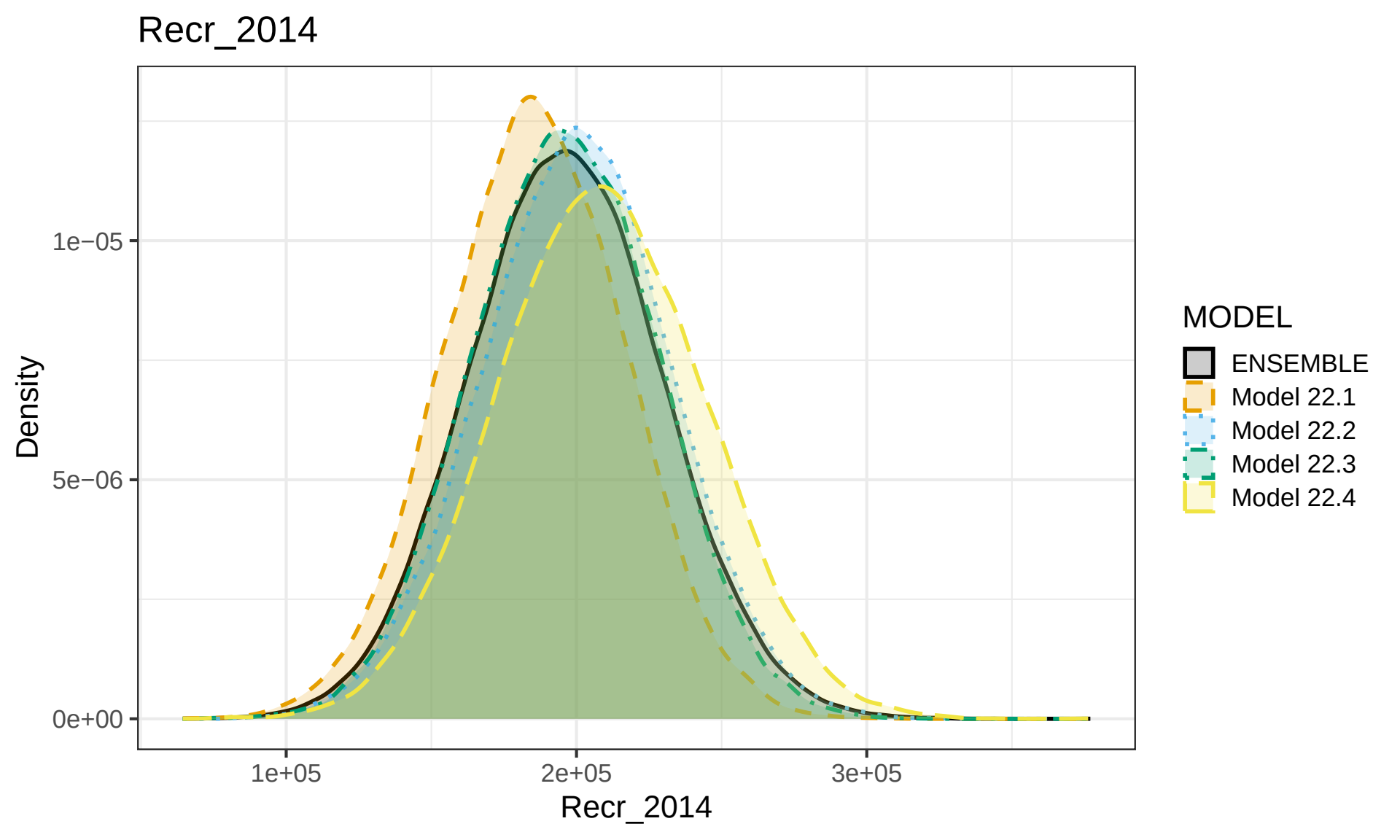

Recr_2009
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
Recr_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

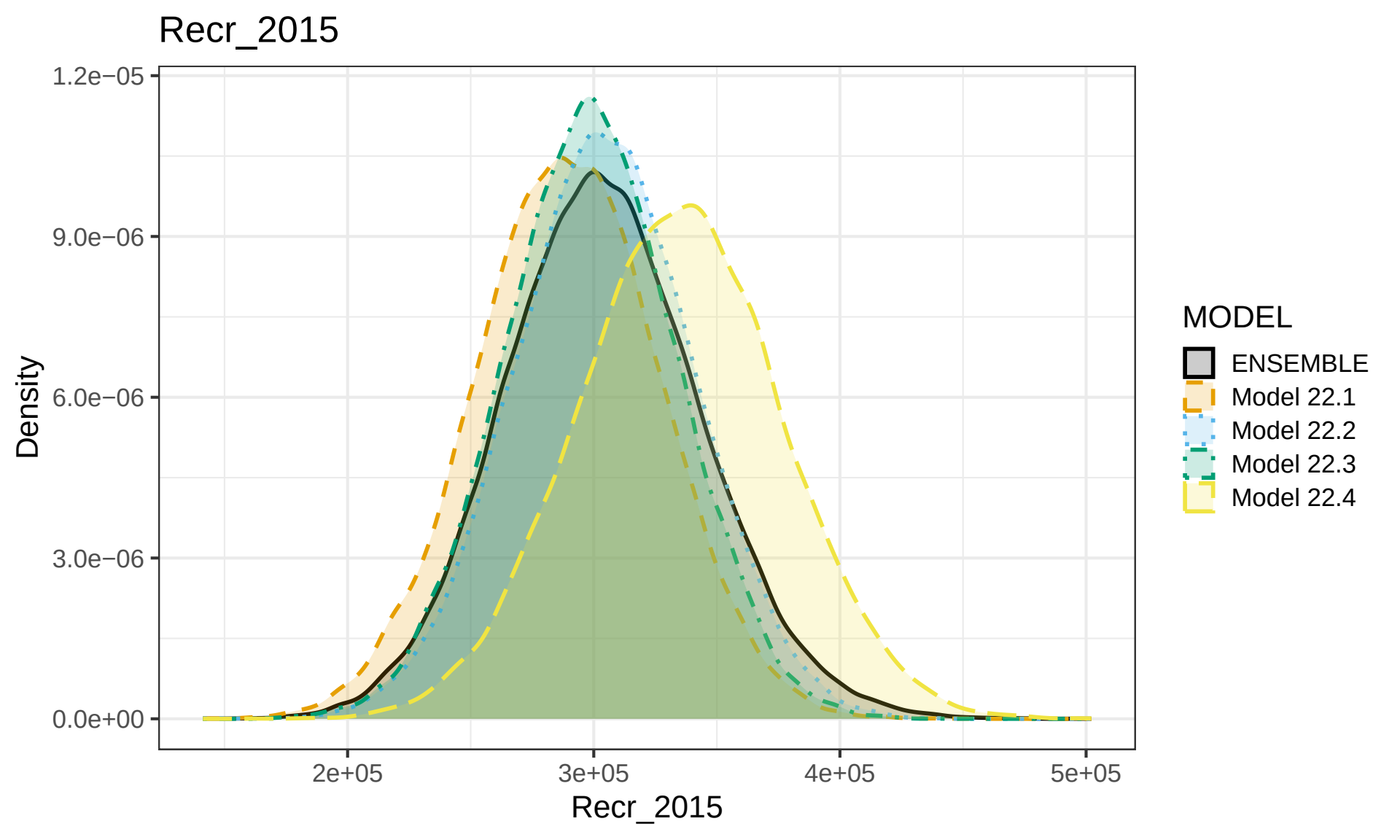

Recr_2010
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
Density
4e+05
6e+05
8e+05
1e+06
Recr_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

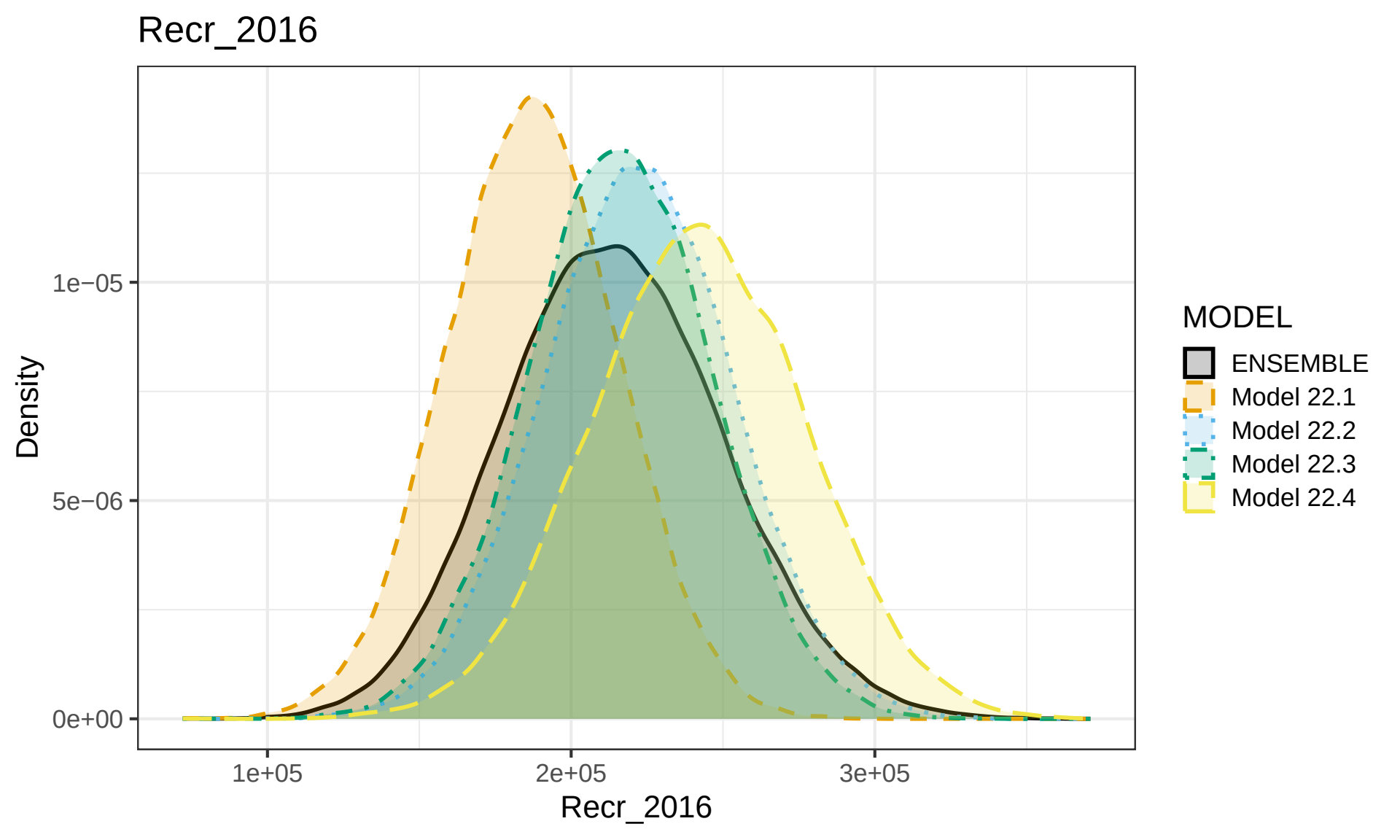

Recr_2011
4e−06
3e−06
2e−06
1e−06
0e+00
Density
500000
750000
1000000
1250000
1500000
Recr_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

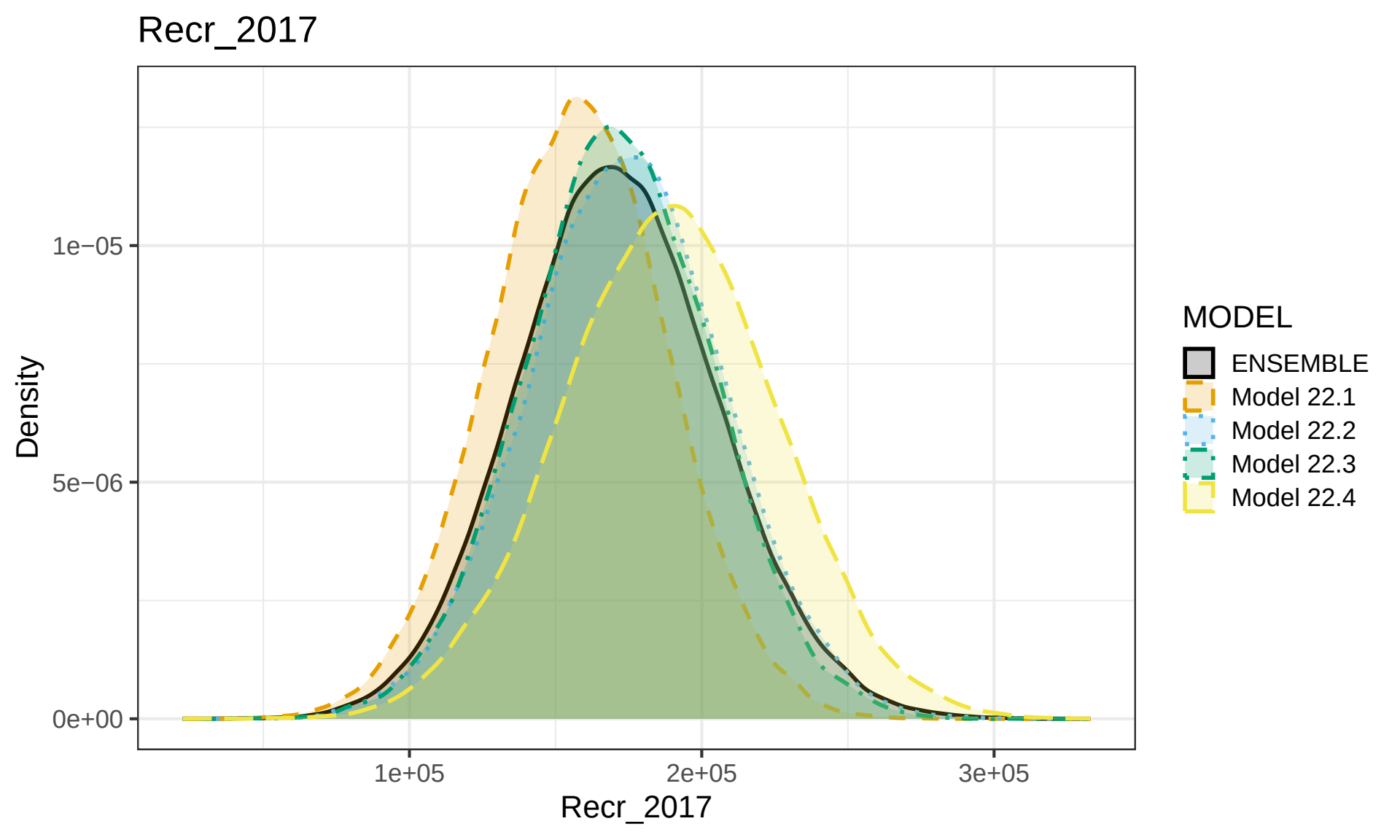

Recr_2012
Density
6e−06
4e−06
2e−06
0e+00
2e+05
4e+05
6e+05
8e+05
Recr_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

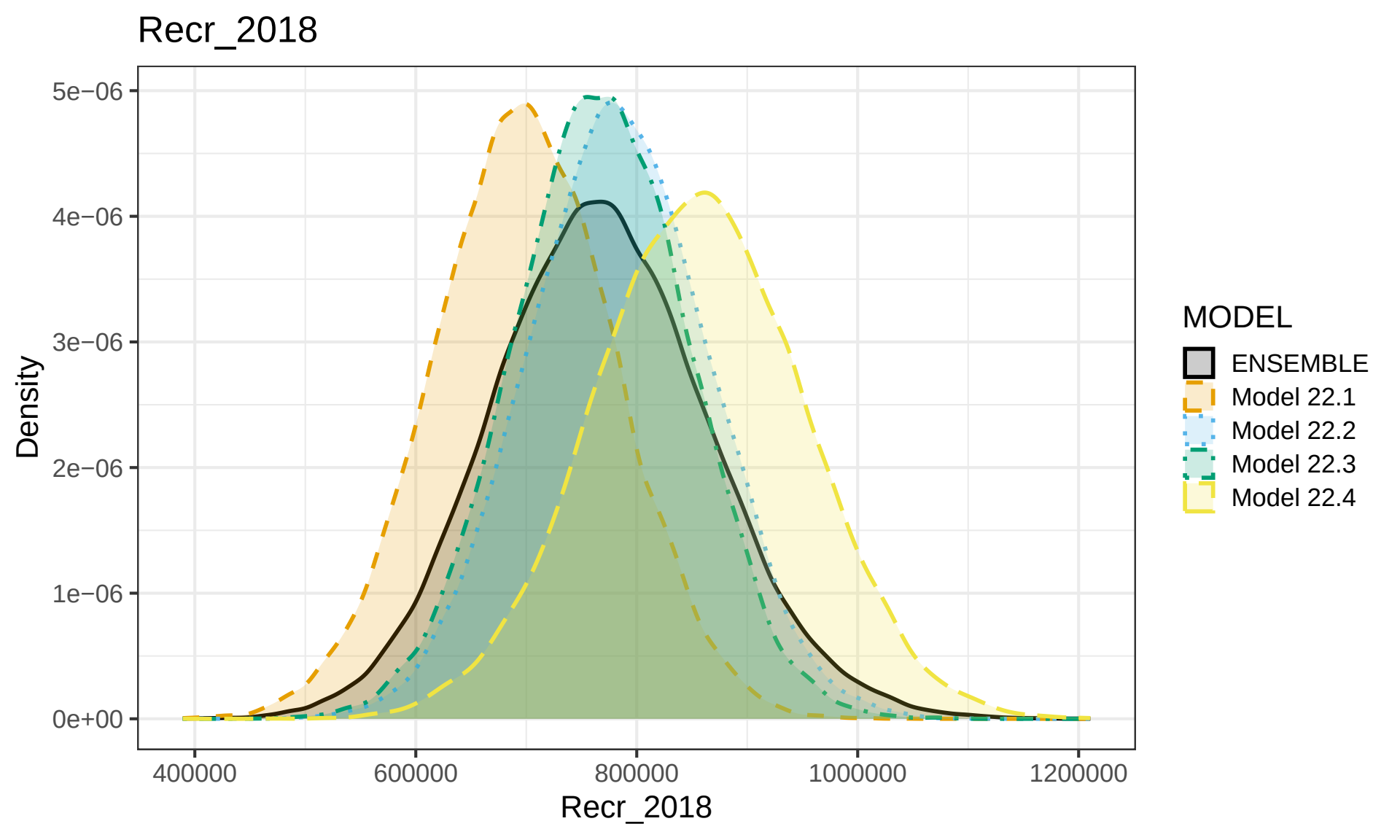

Recr_2013
3e−06
2e−06
1e−06
0e+00
Density
500000
1000000
1500000
Recr_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

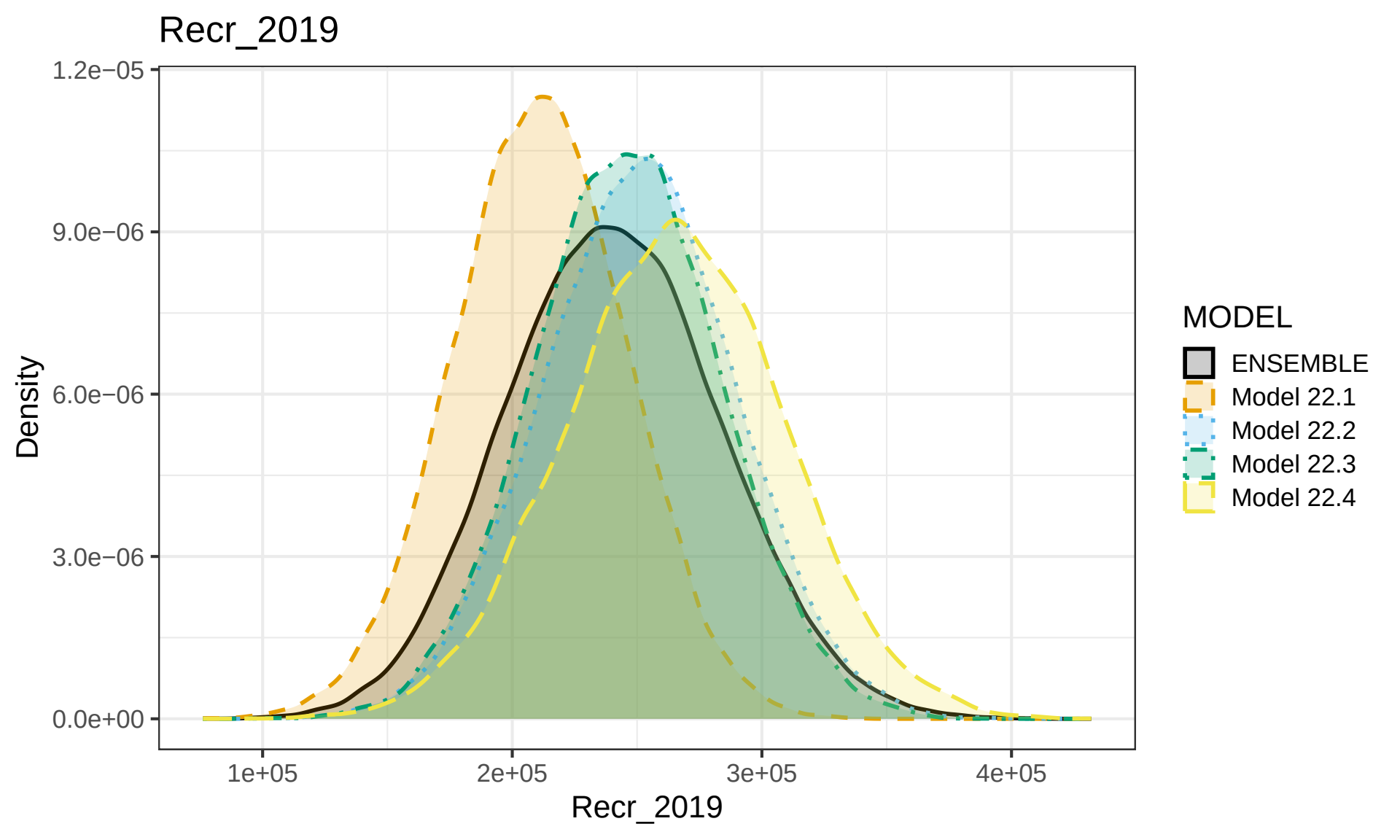

Recr_2014
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
Recr_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

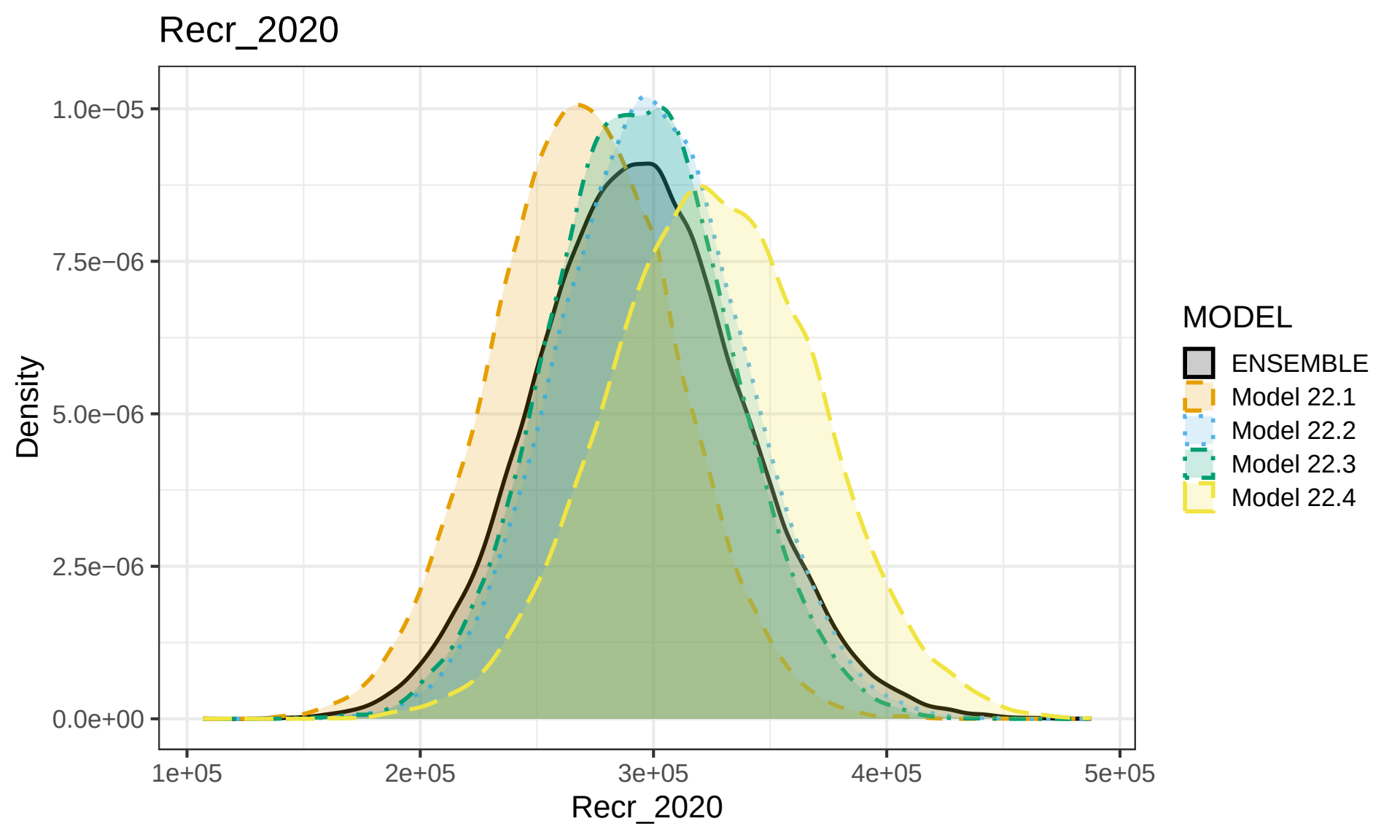

Recr_2015
1.2e−05
9.0e−06
6.0e−06
3.0e−06
0.0e+00
Density
2e+05
3e+05
4e+05
5e+05
Recr_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

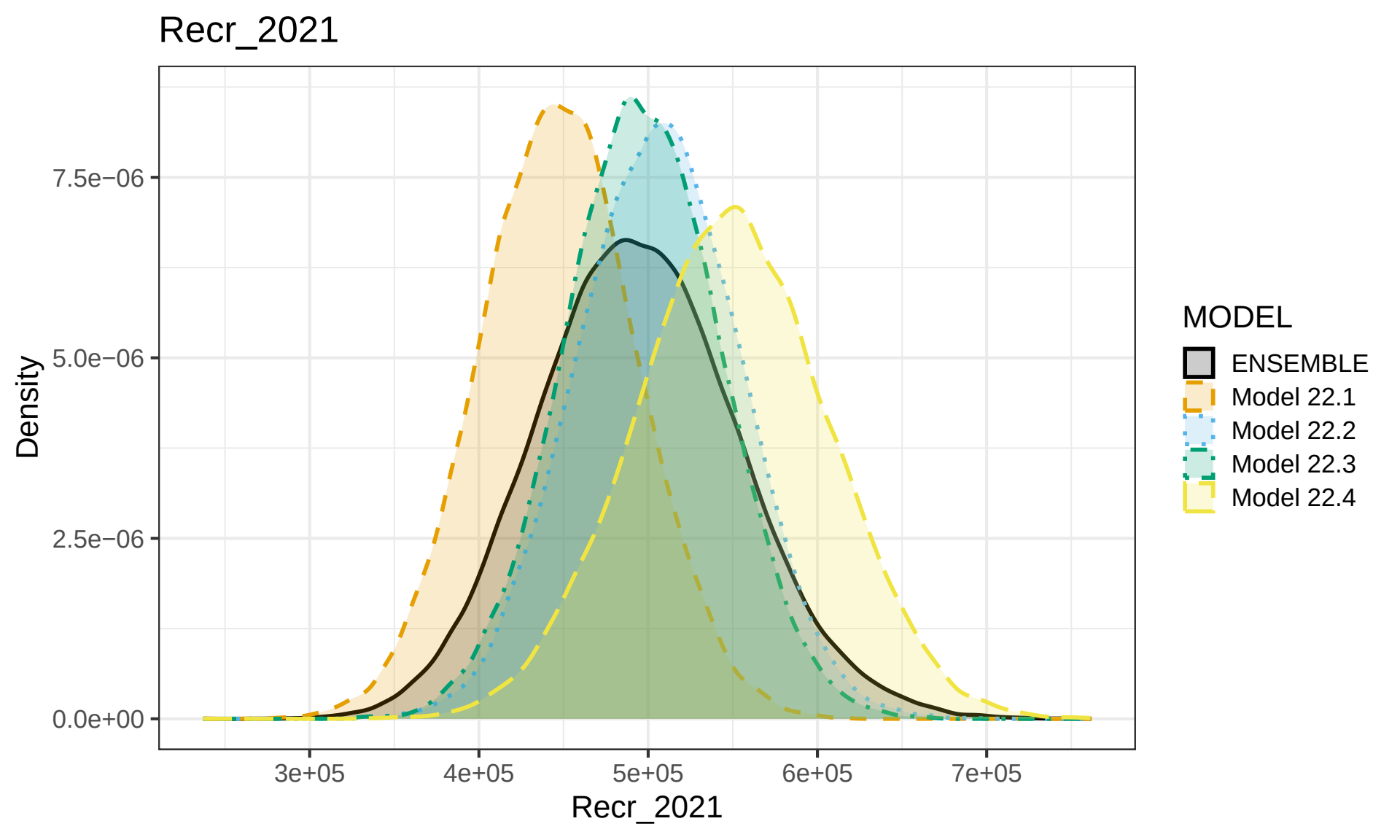

Recr_2016
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
Recr_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

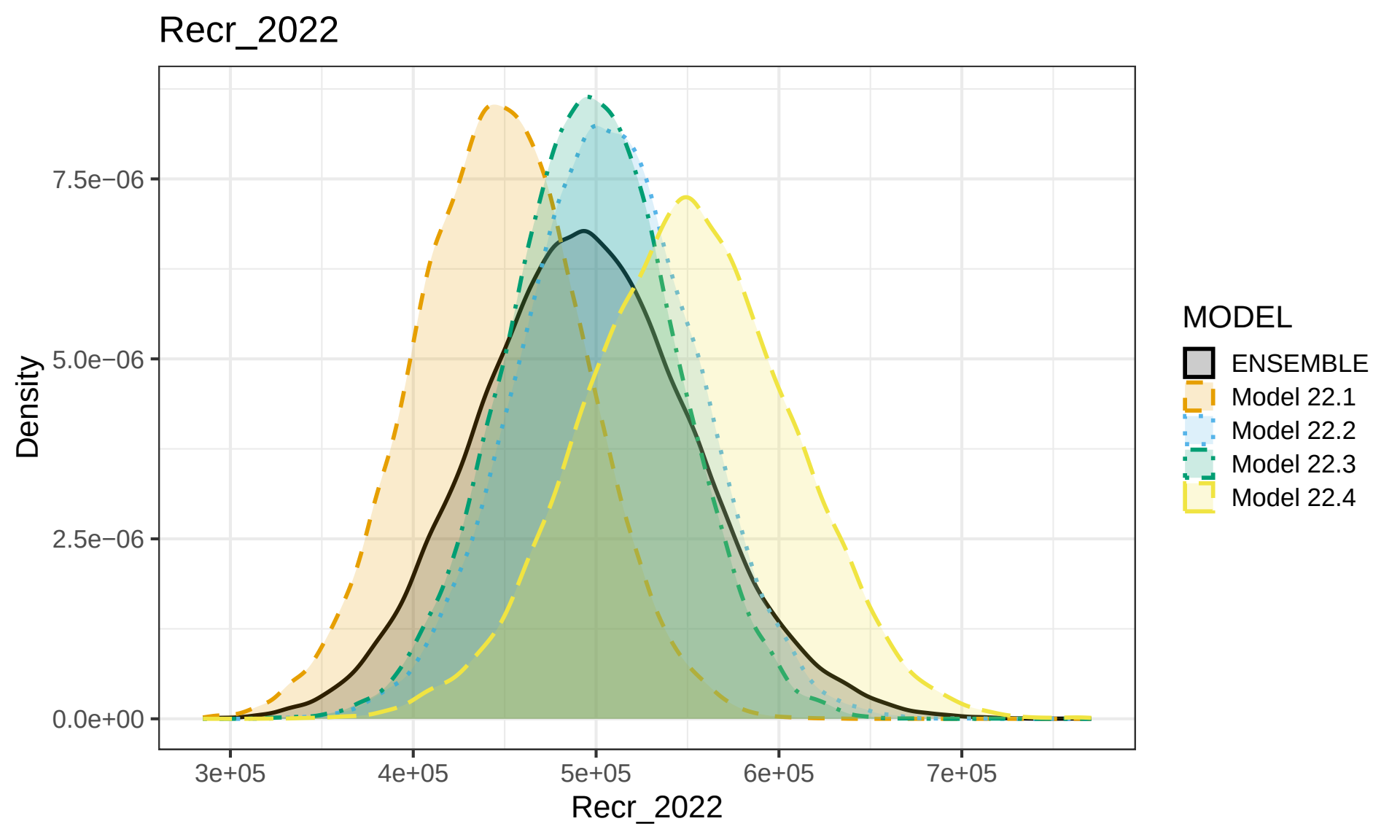

Recr_2017
Density
1e−05
5e−06
0e+00
1e+05
2e+05
3e+05
Recr_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

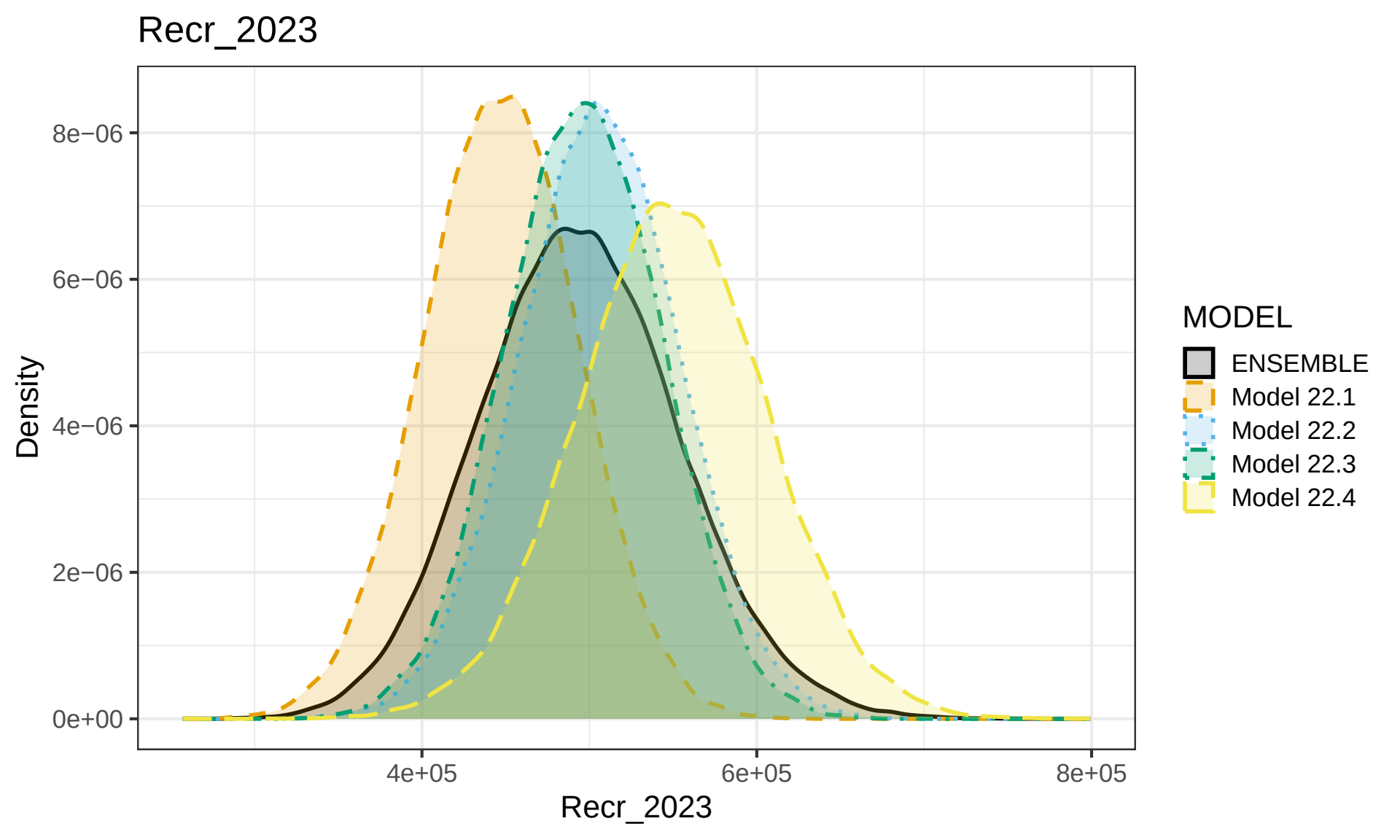

Recr_2018
5e−06
4e−06
3e−06
2e−06
1e−06
0e+00
Density
400000
600000
800000
1000000
1200000
Recr_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

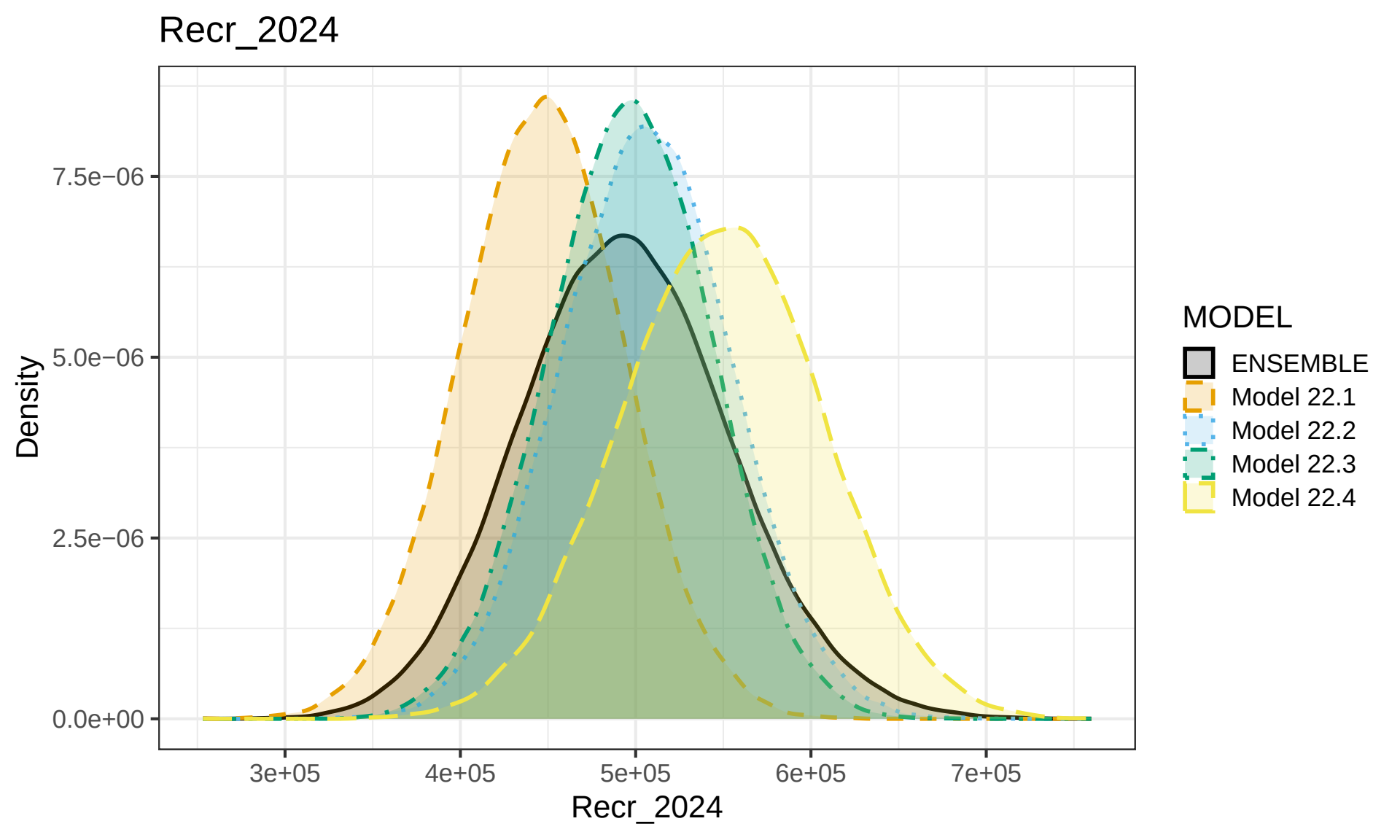

Recr_2019
1.2e−05
9.0e−06
6.0e−06
3.0e−06
0.0e+00
Density
1e+05
2e+05
3e+05
4e+05
Recr_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

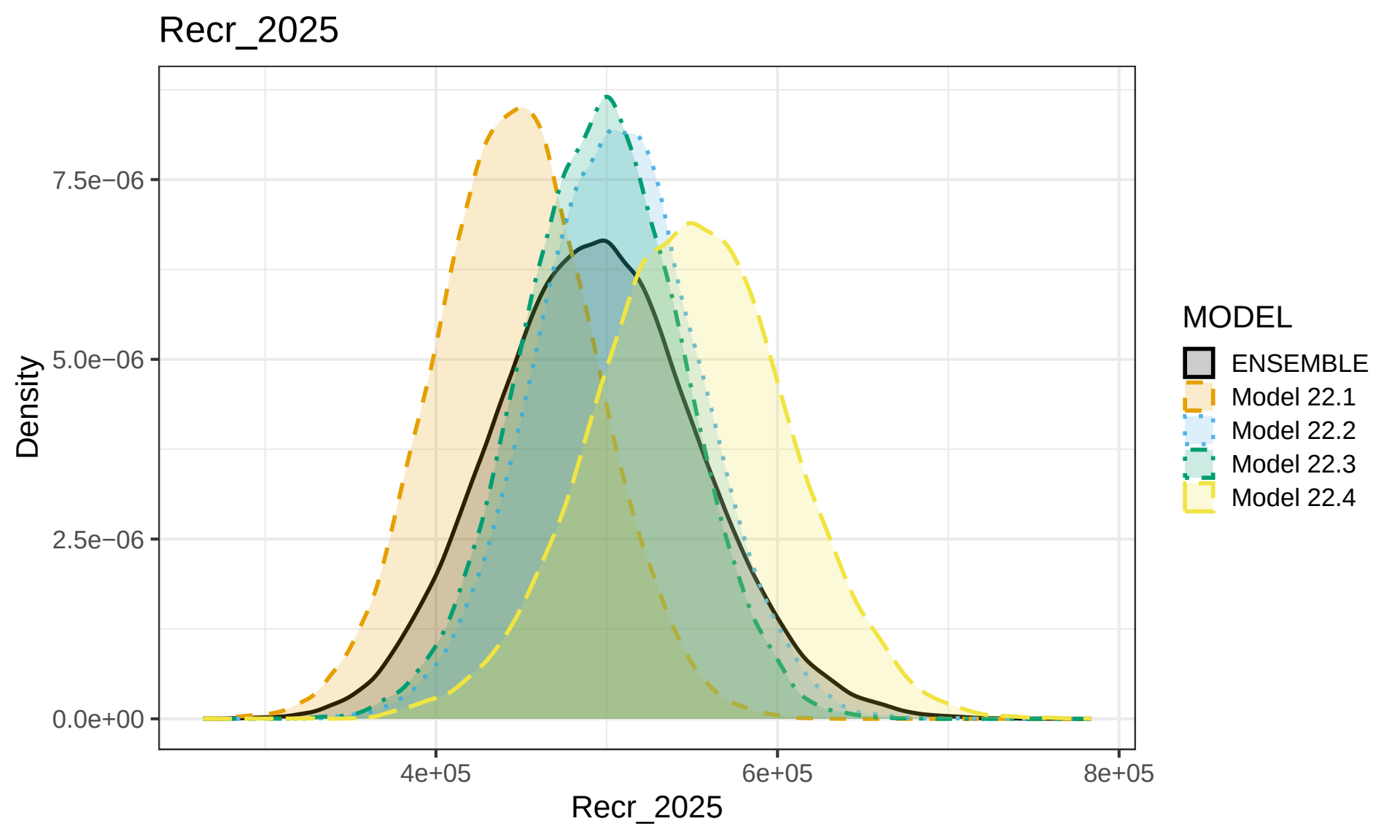

Recr_2020
1.0e−05
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
1e+05
2e+05
3e+05
4e+05
5e+05
Recr_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

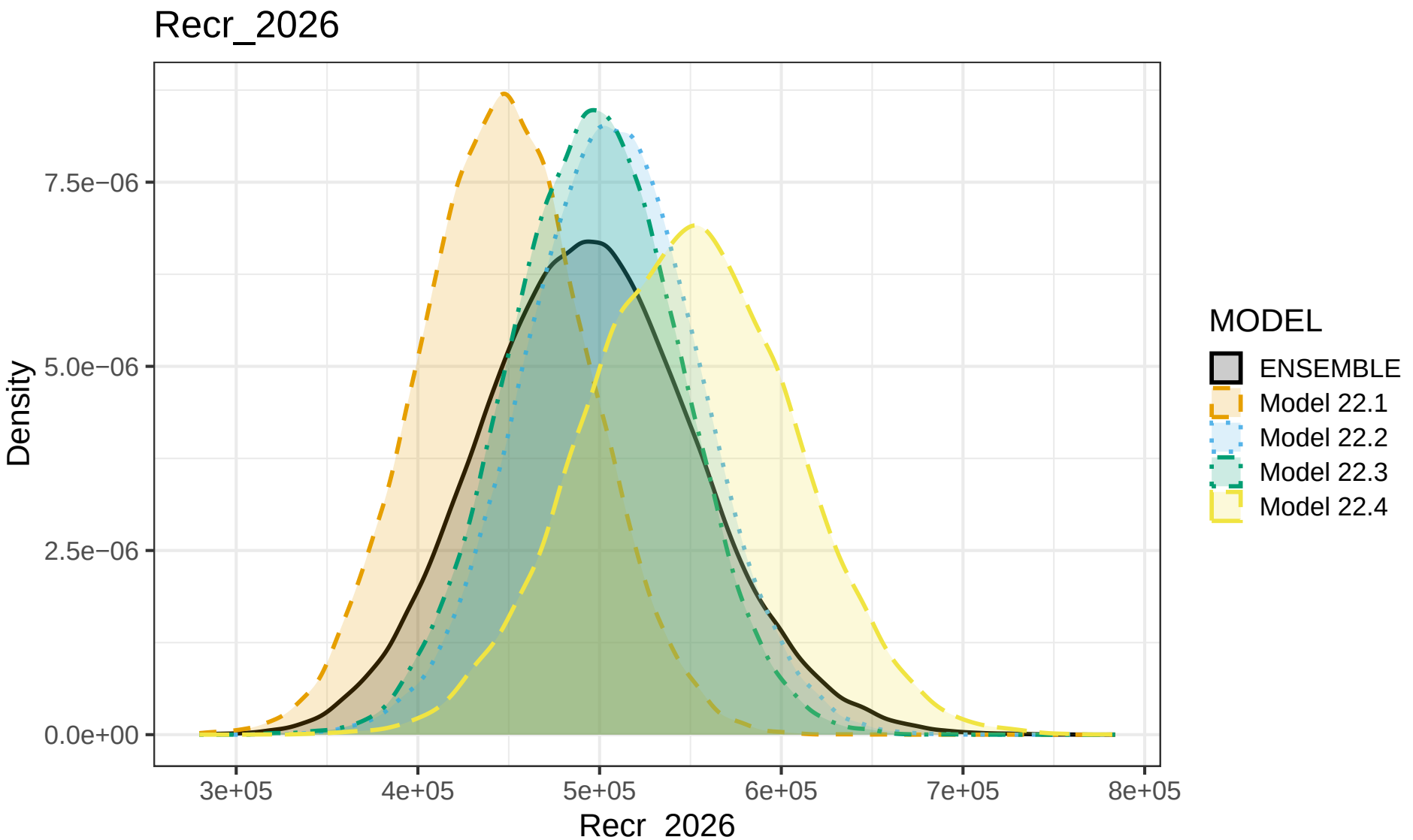

Recr_2021
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

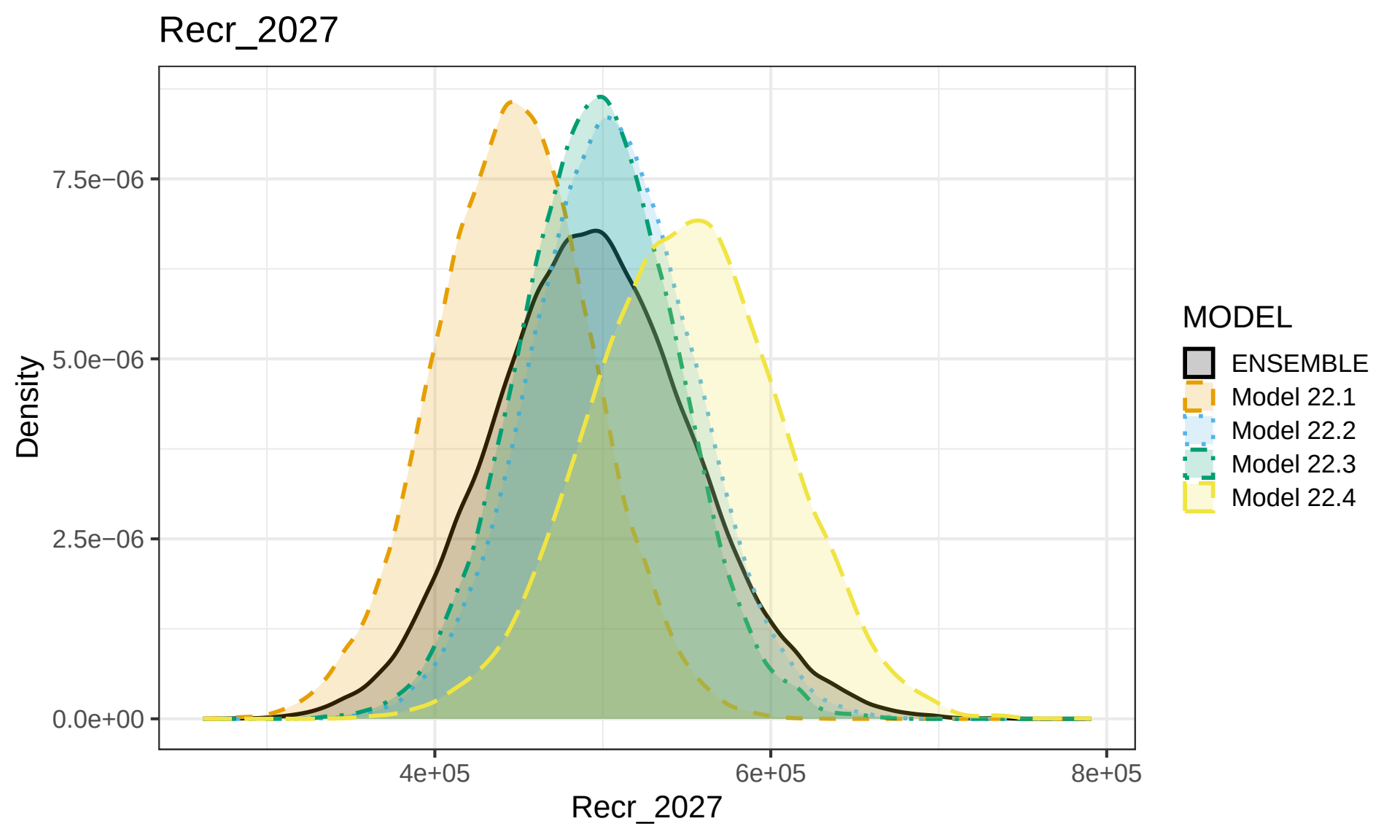

Recr_2022
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

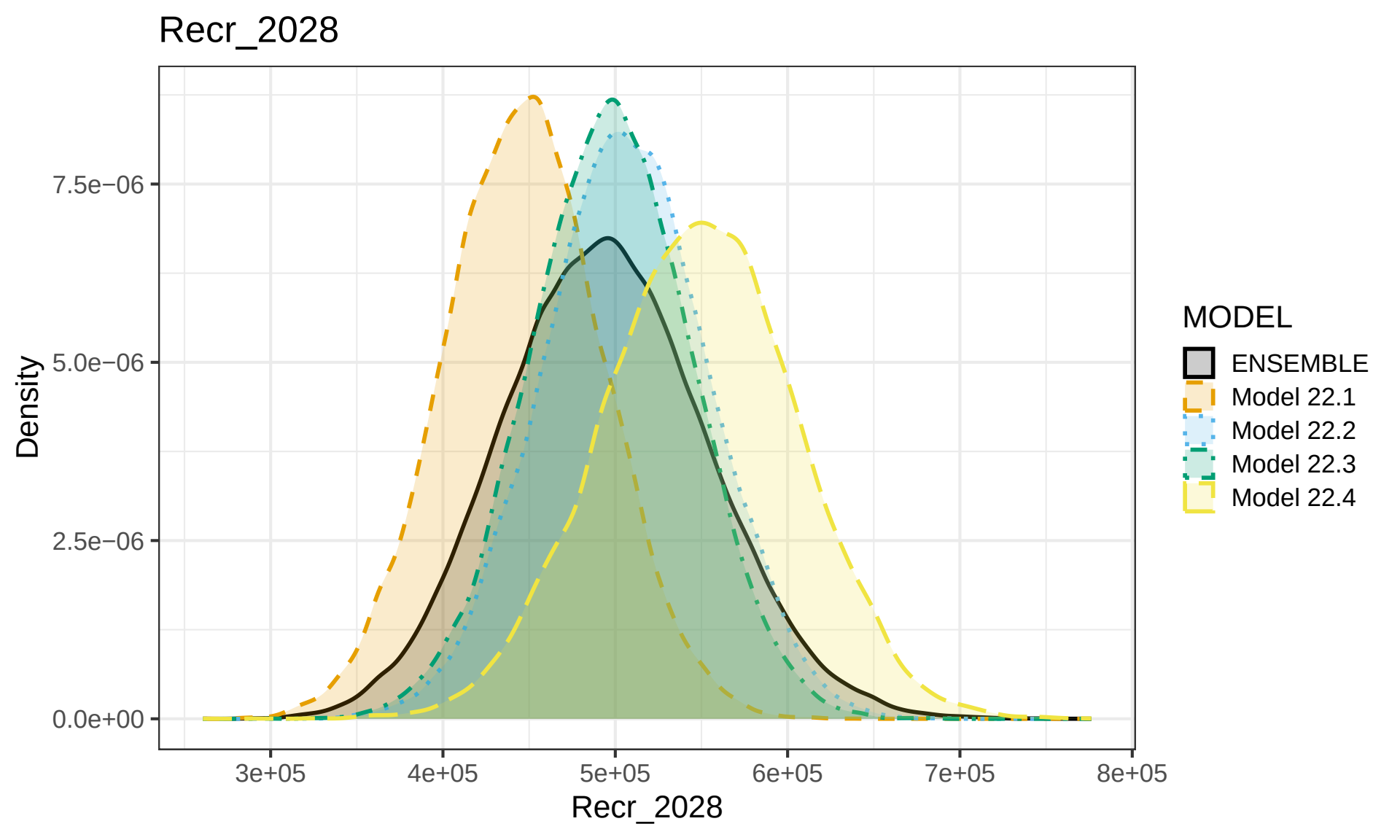

Recr_2023
8e−06
6e−06
4e−06
2e−06
0e+00
Density
4e+05
6e+05
8e+05
Recr_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

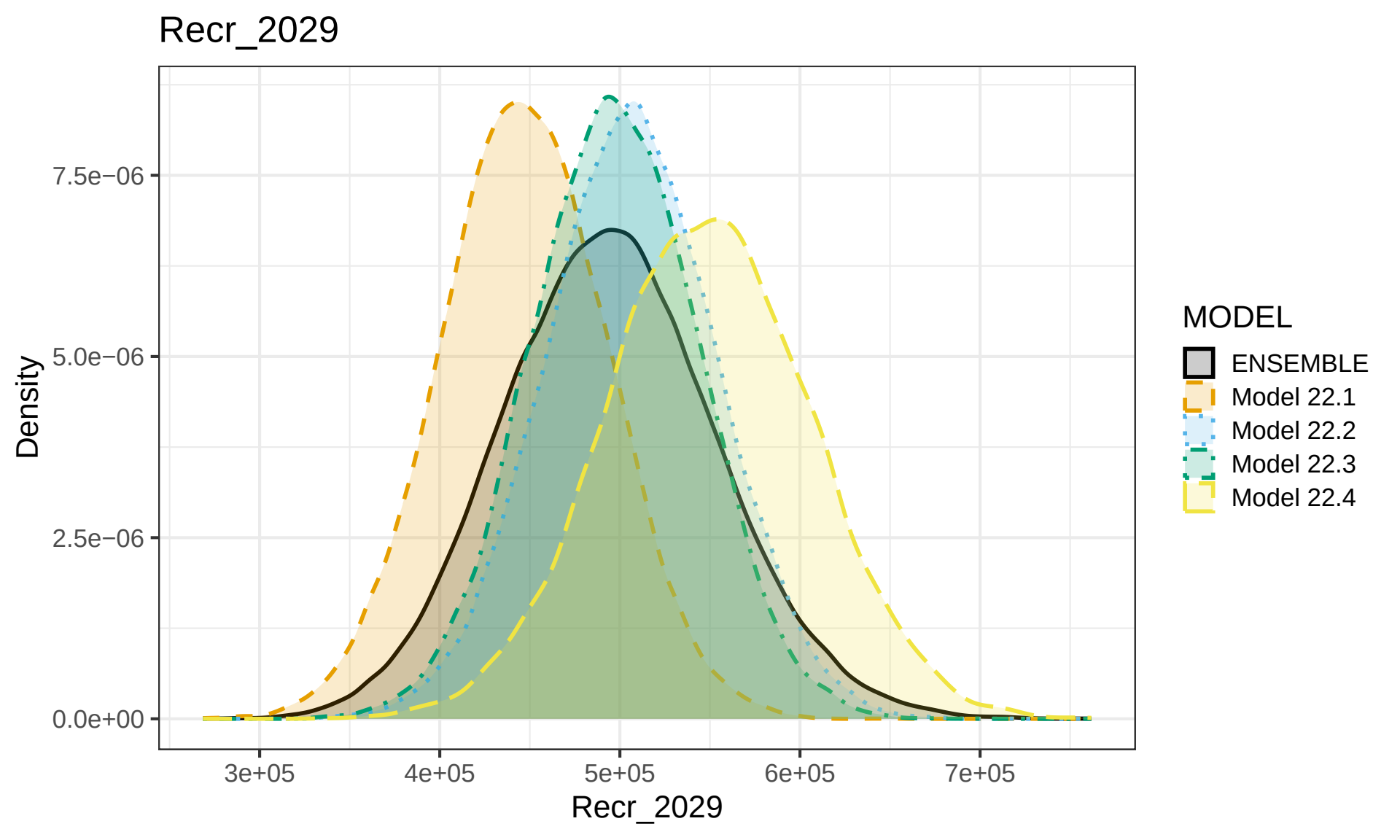

Recr_2024
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

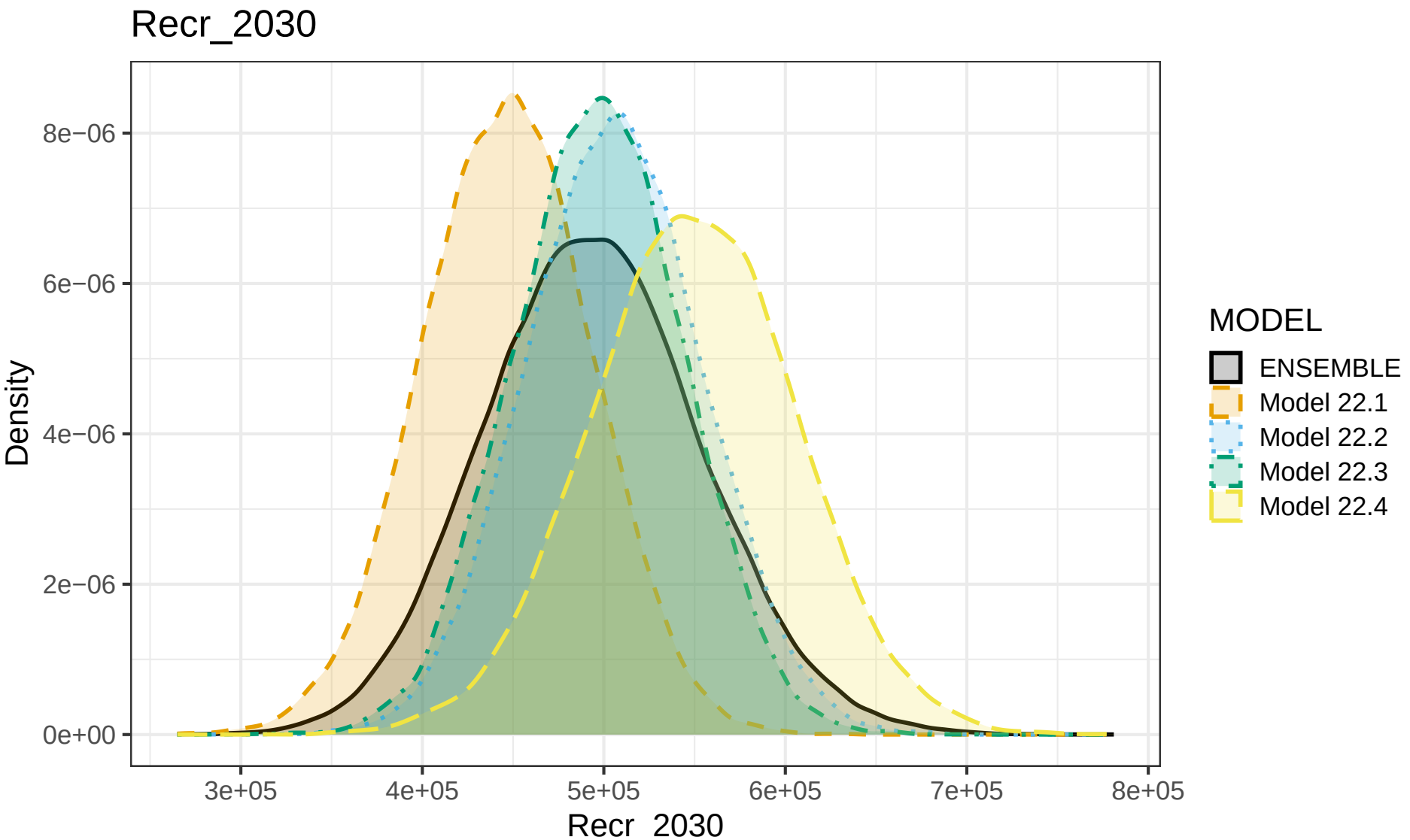

Recr_2025
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
4e+05
6e+05
8e+05
Recr_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

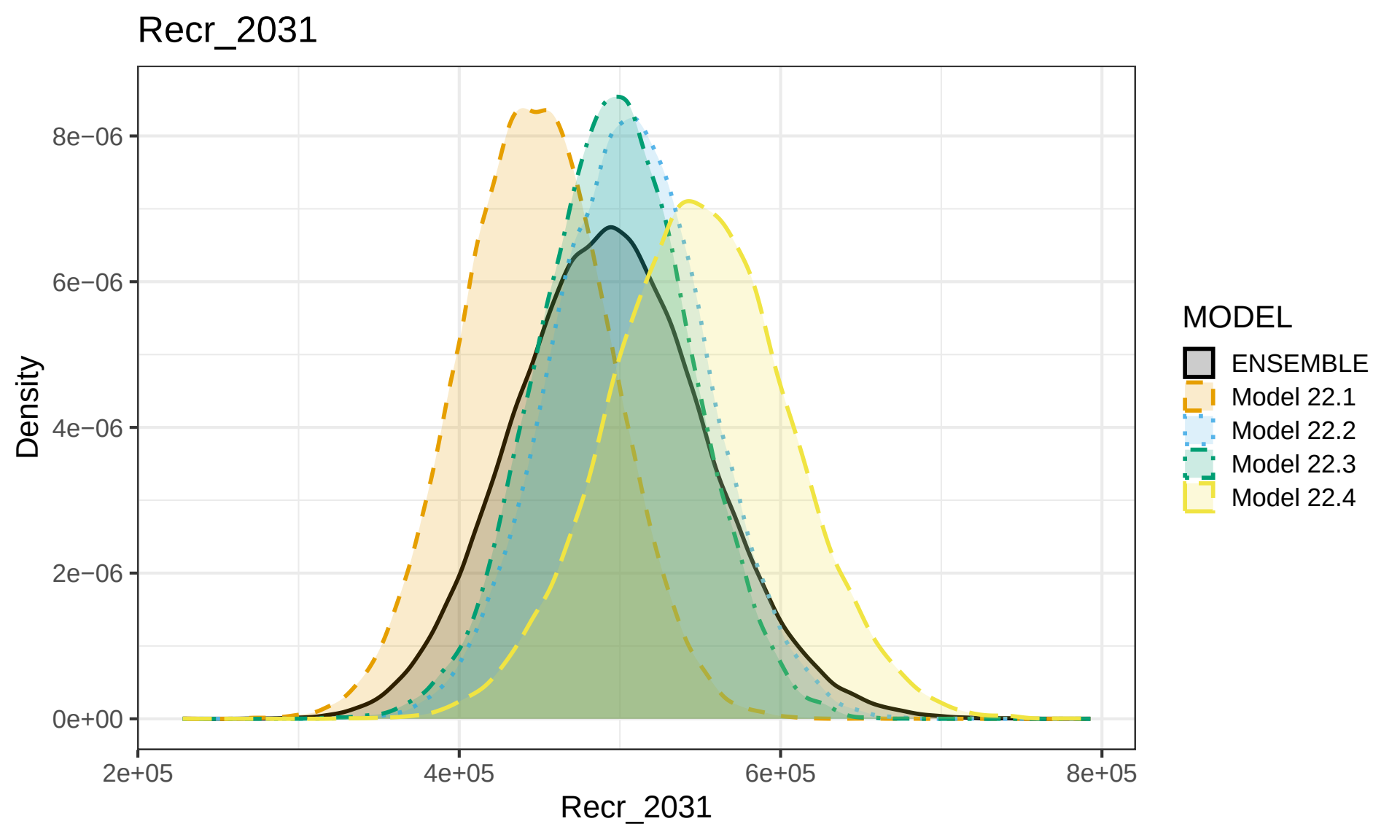

Recr_2026
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
8e+05
Recr_2026
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

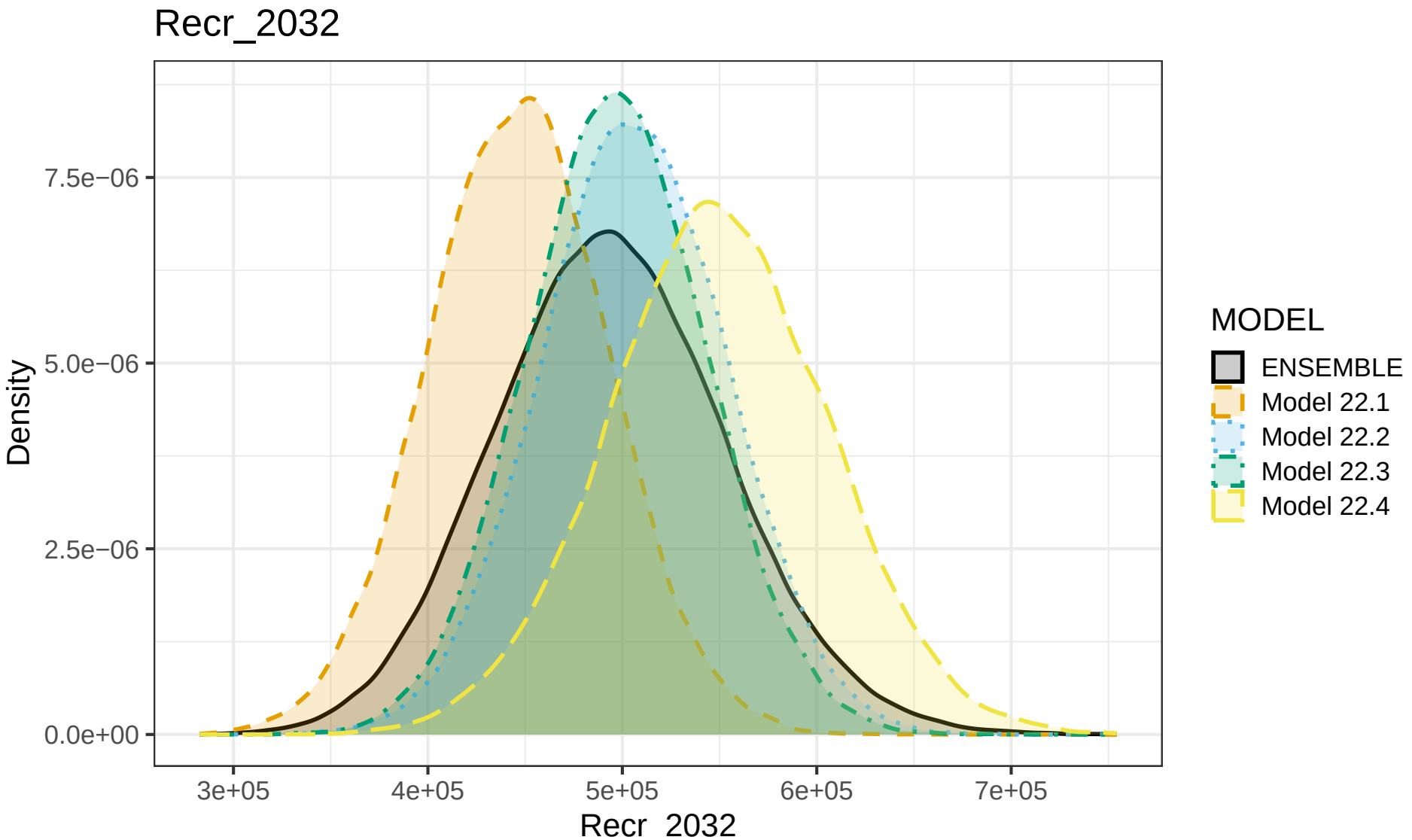

Recr_2027
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
4e+05
6e+05
8e+05
Recr_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

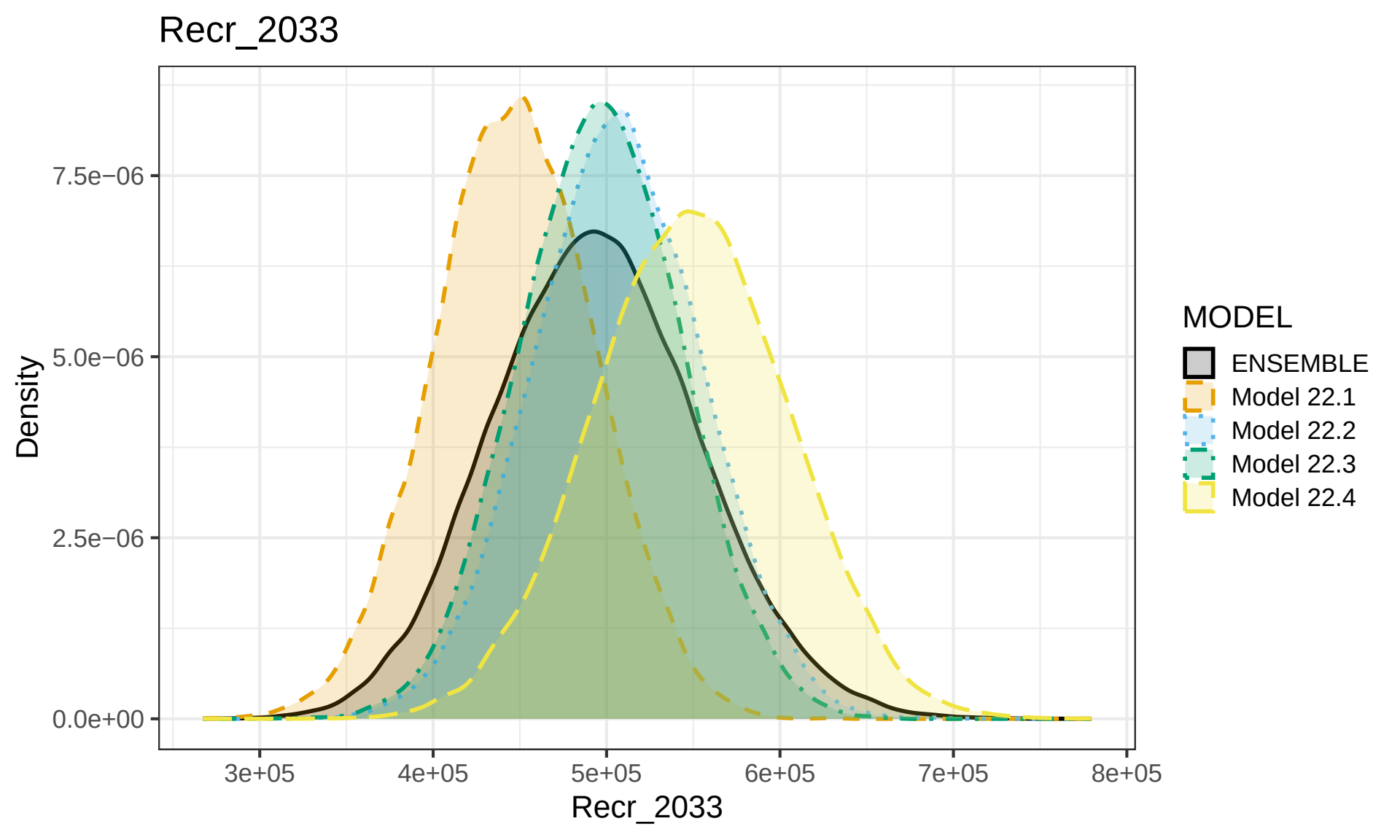

Recr_2028
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
8e+05
Recr_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

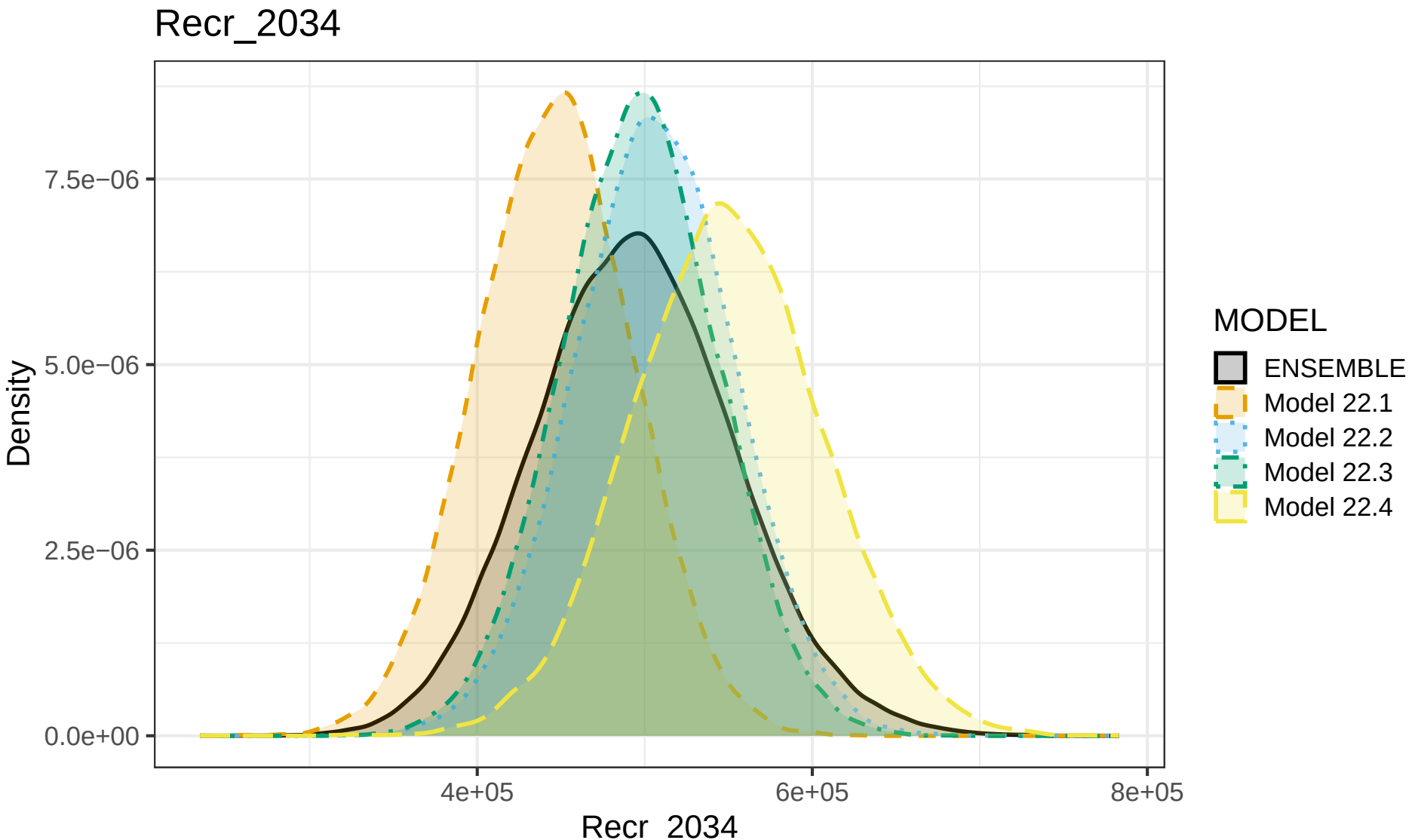

Recr_2029
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

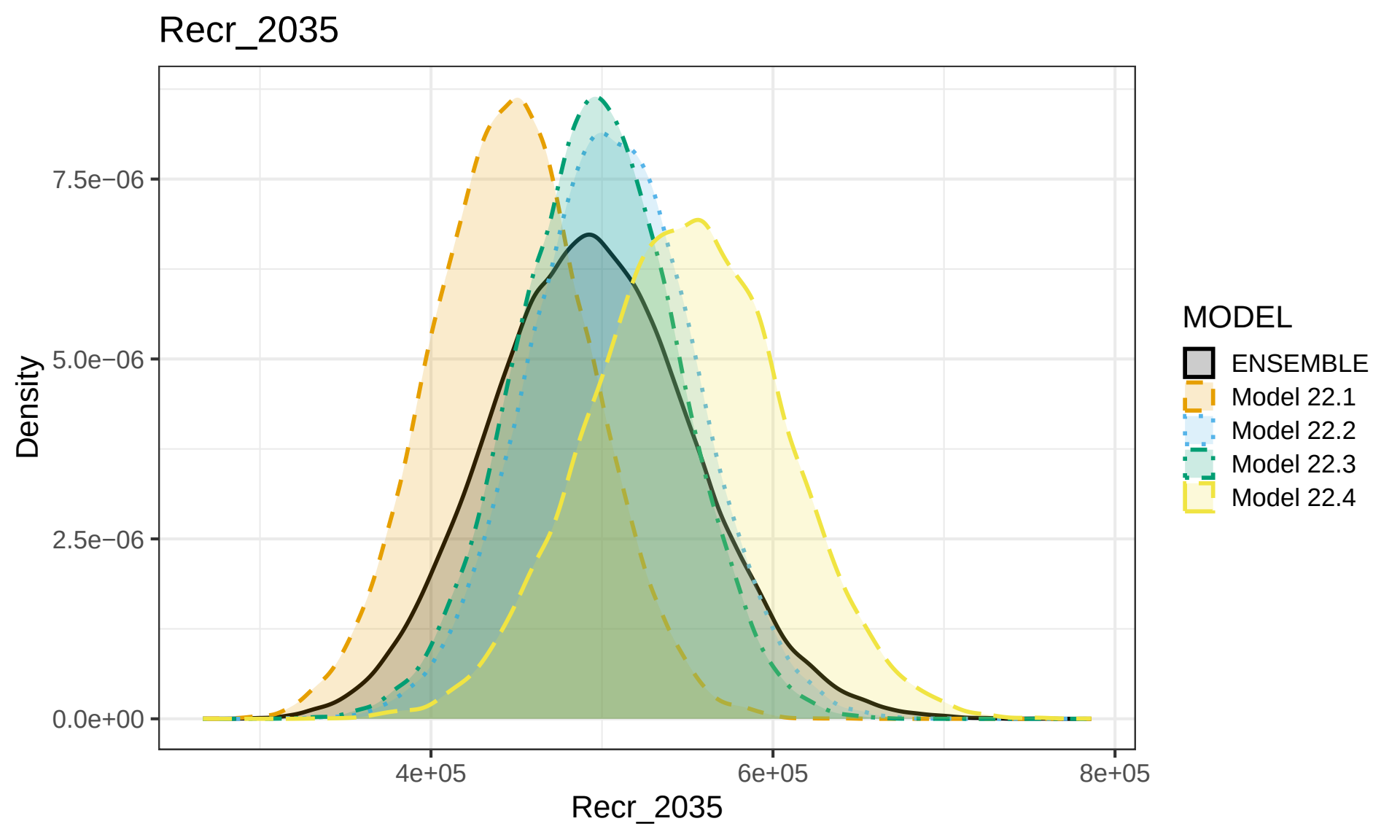

Recr_2030
8e−06
6e−06
4e−06
2e−06
0e+00
Density
3e+05
4e+05
5e+05
6e+05
7e+05
8e+05
Recr_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

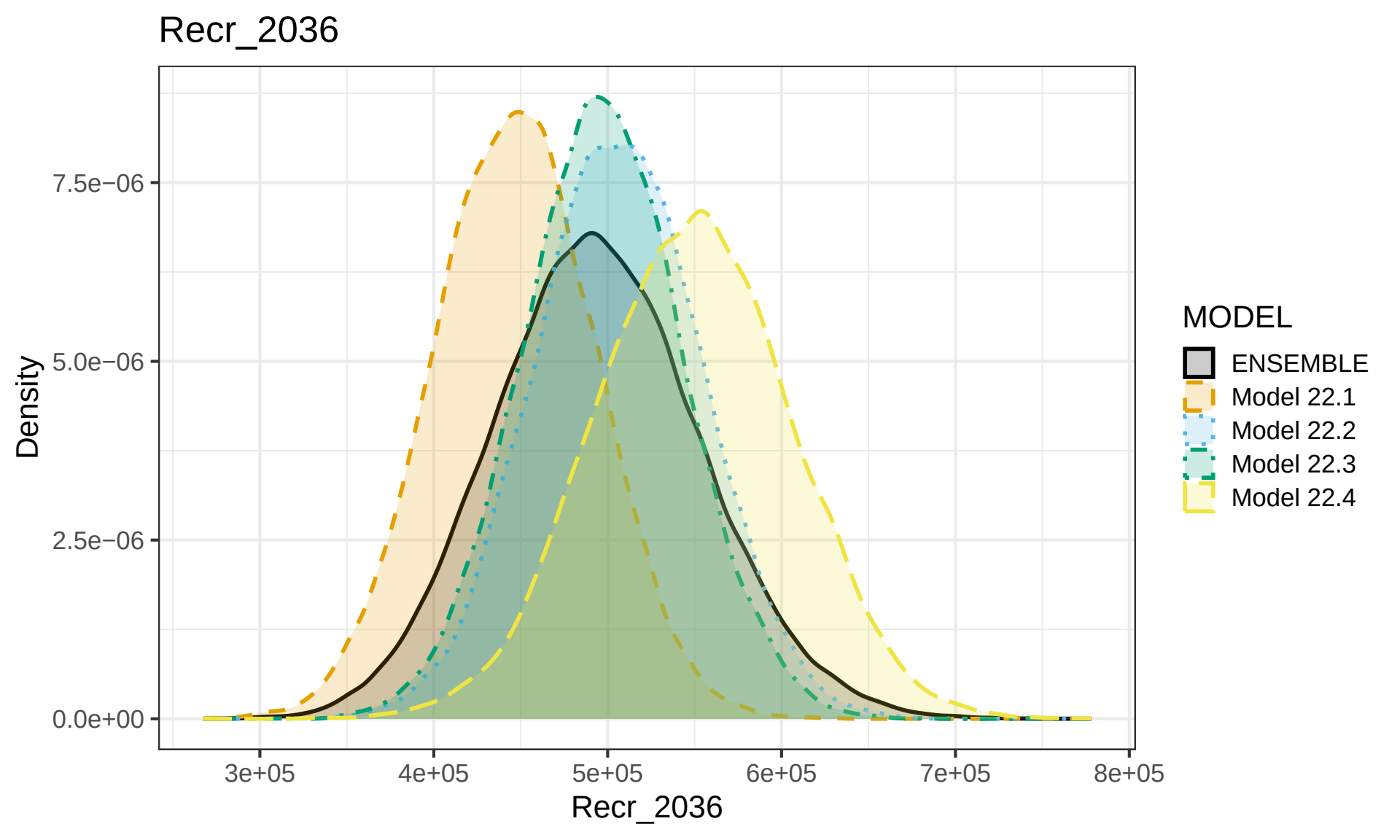

Recr_2031
8e−06
6e−06
4e−06
2e−06
0e+00
Density
2e+05
4e+05
6e+05
8e+05
Recr_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

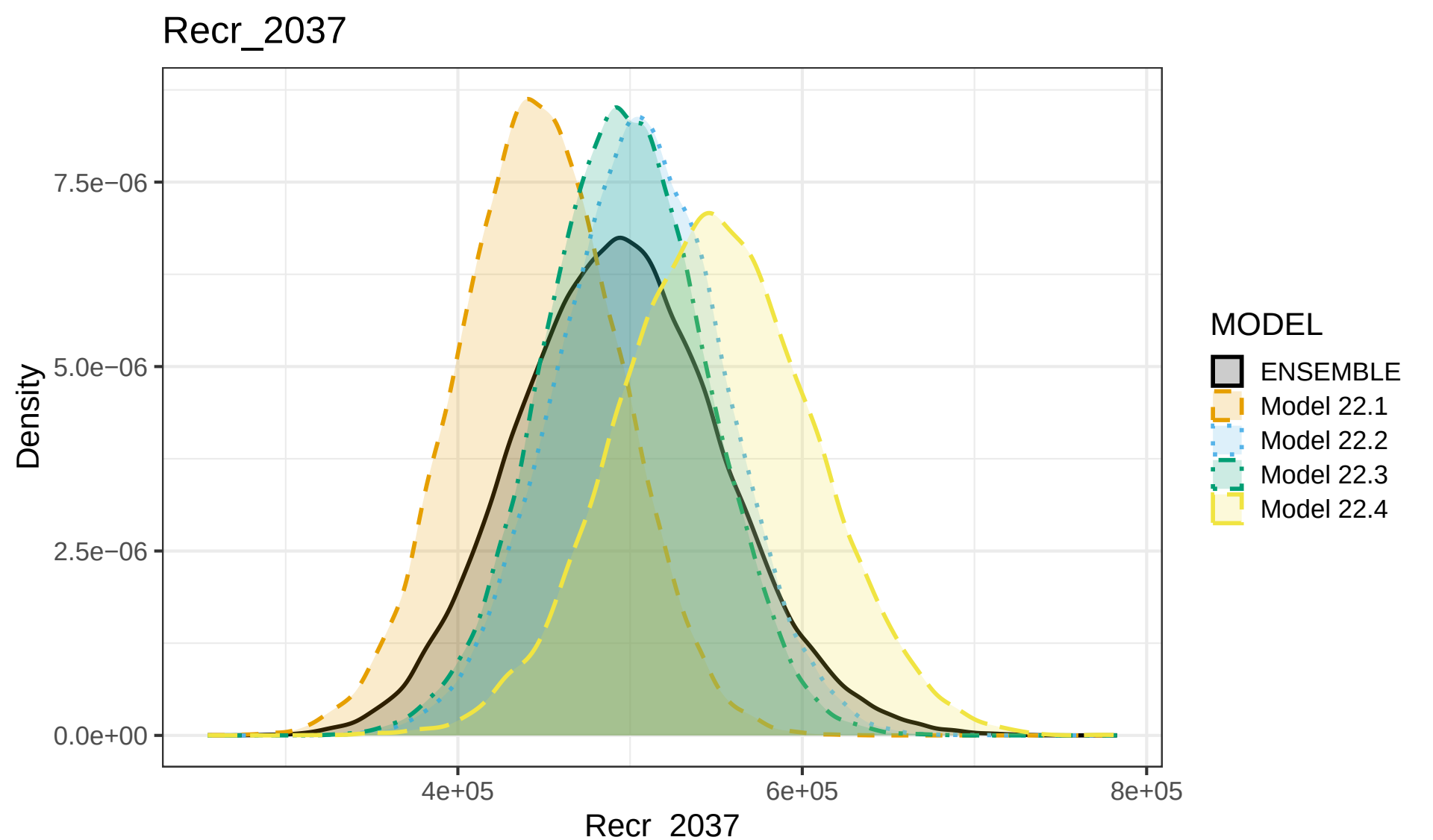

Recr_2032
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

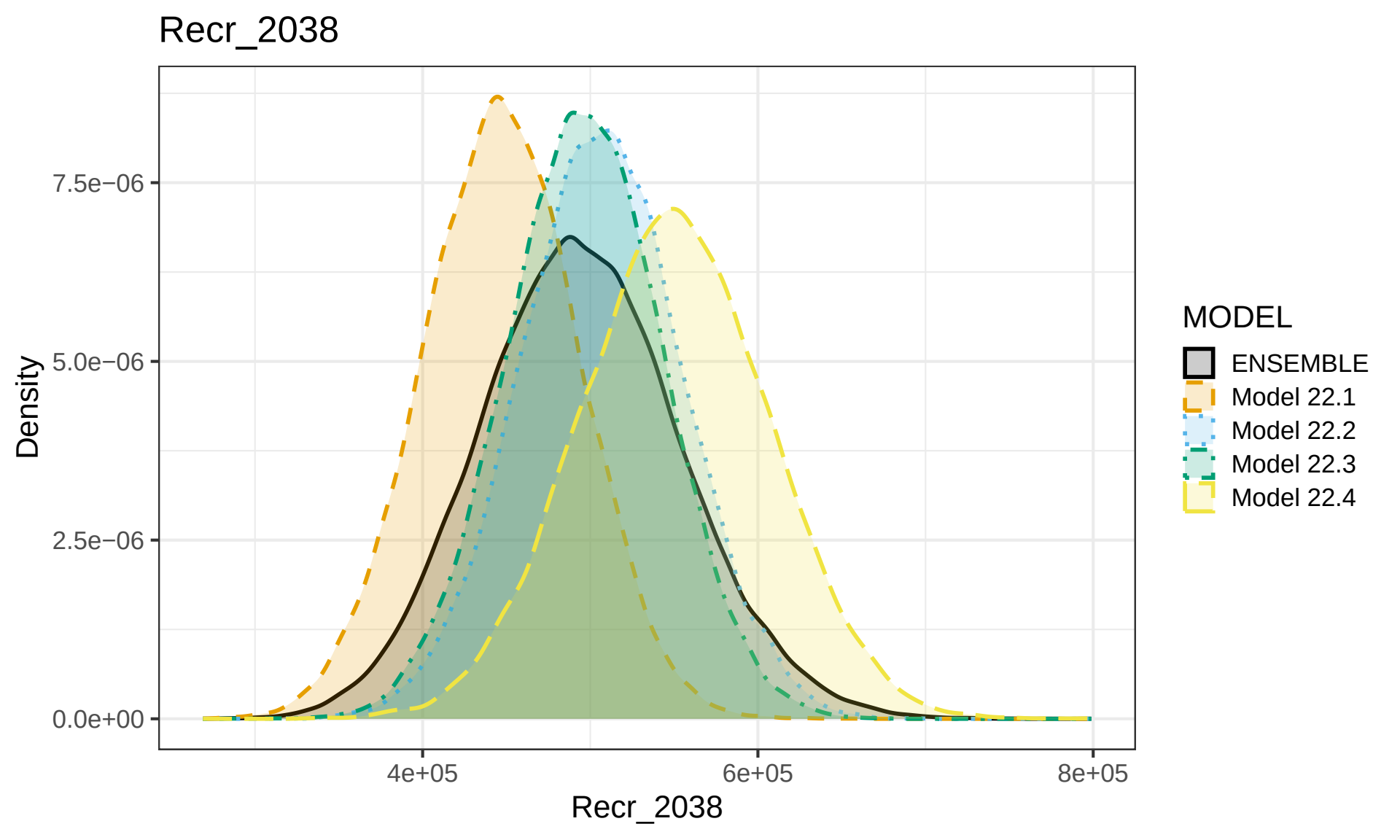

Recr_2033
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
3e+05
4e+05
5e+05
6e+05
7e+05
8e+05
Recr_2033
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

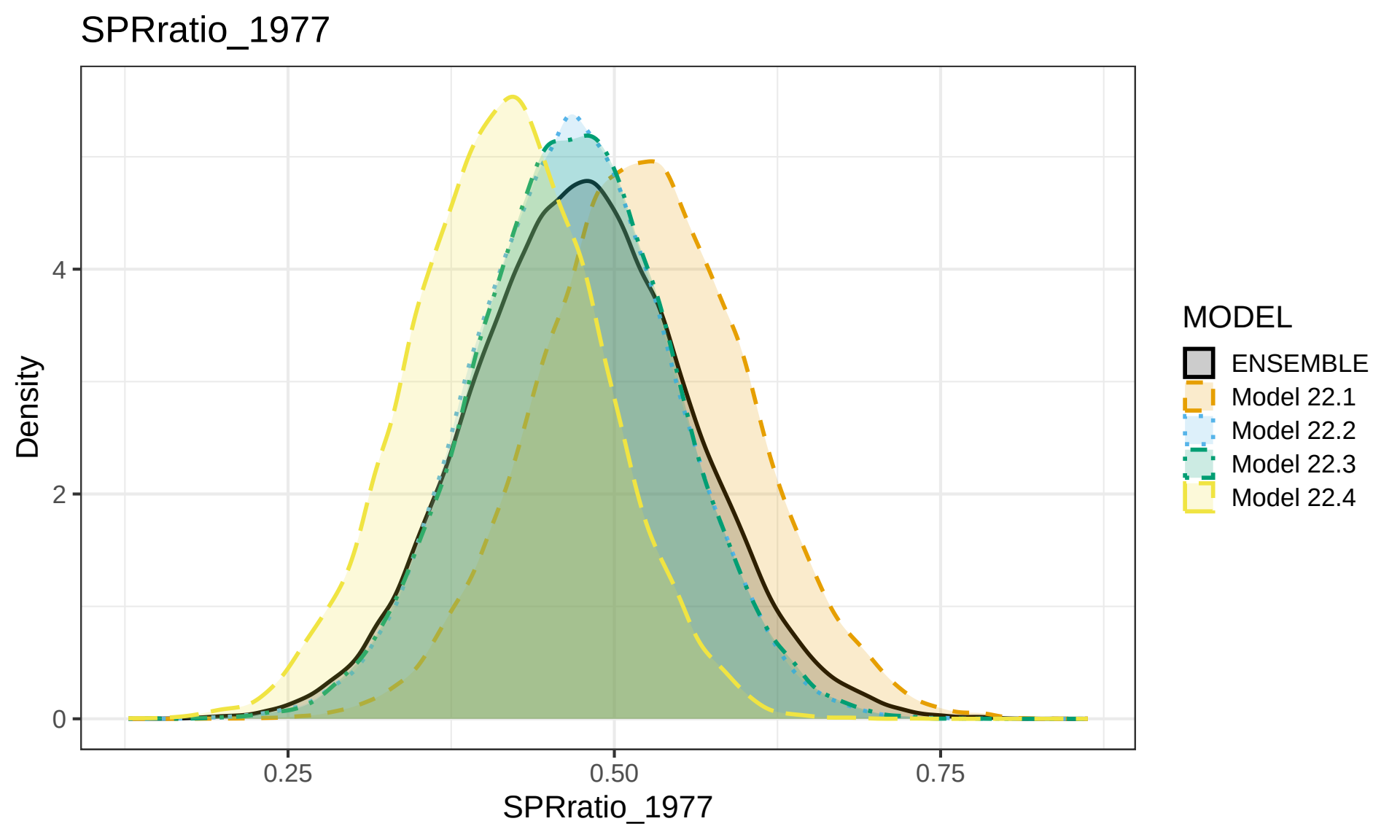

Recr_2034
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
4e+05
6e+05
8e+05
Recr_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

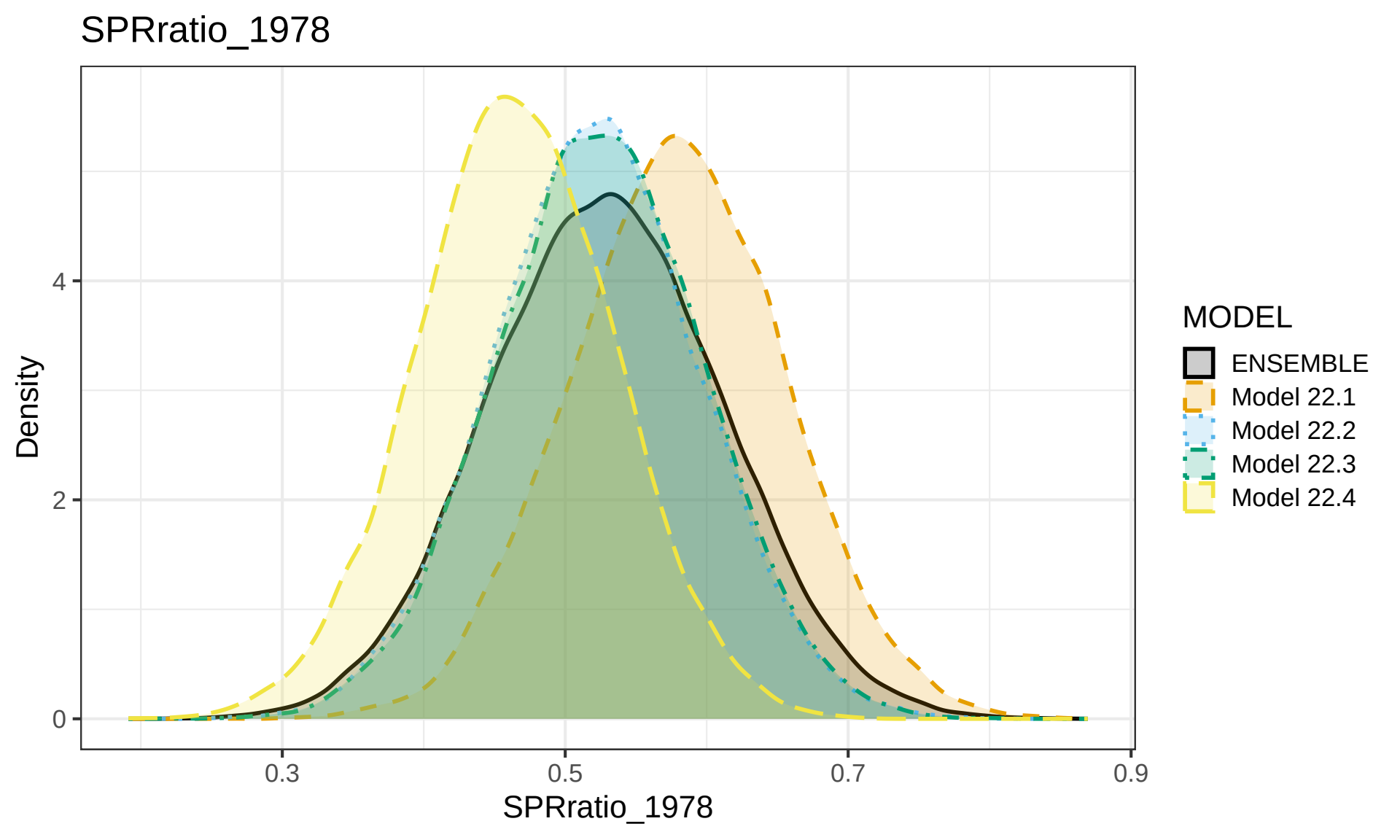

Recr_2035
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
4e+05
6e+05
8e+05
Recr_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

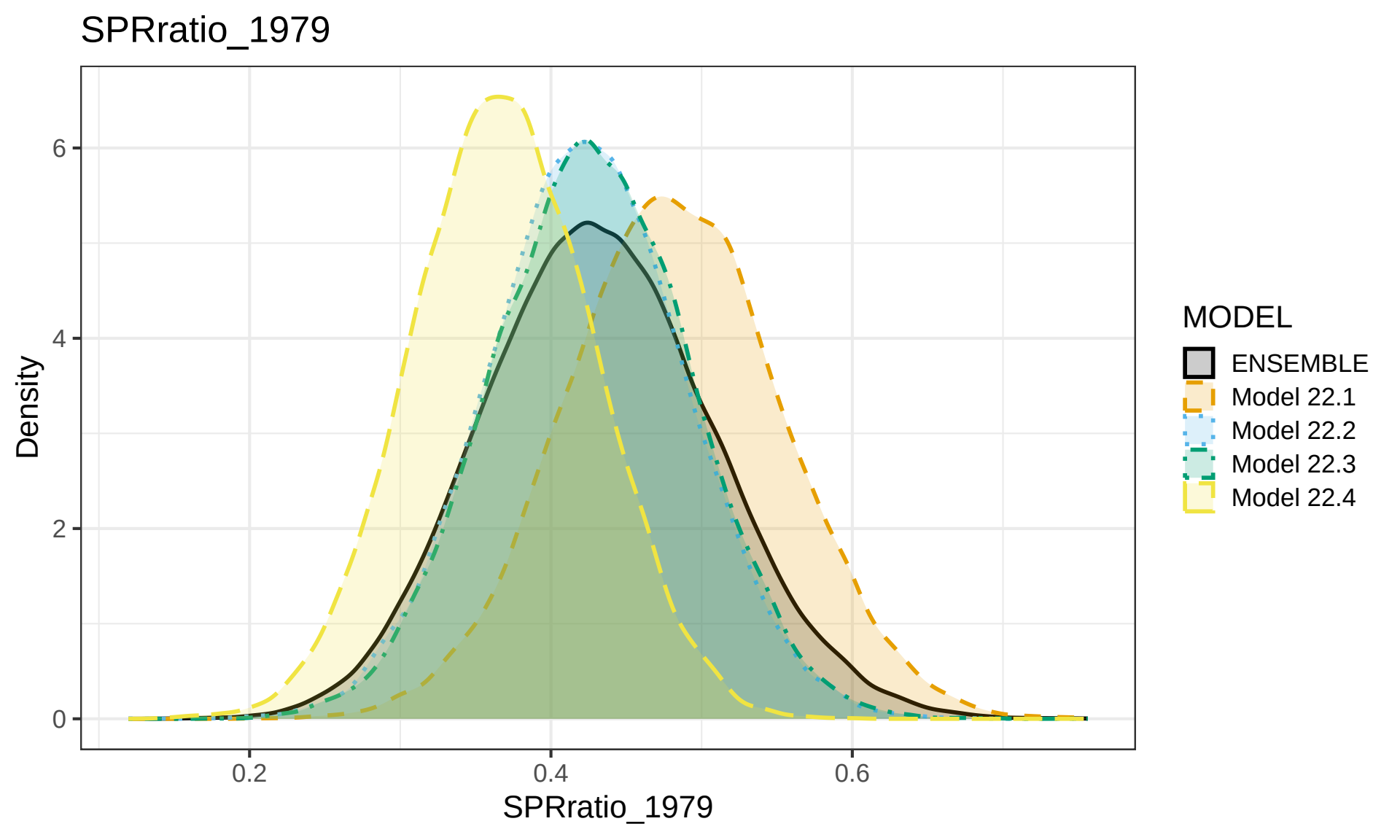

Recr_2036
Density
7.5e−06
5.0e−06
2.5e−06
0.0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
8e+05
Recr_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

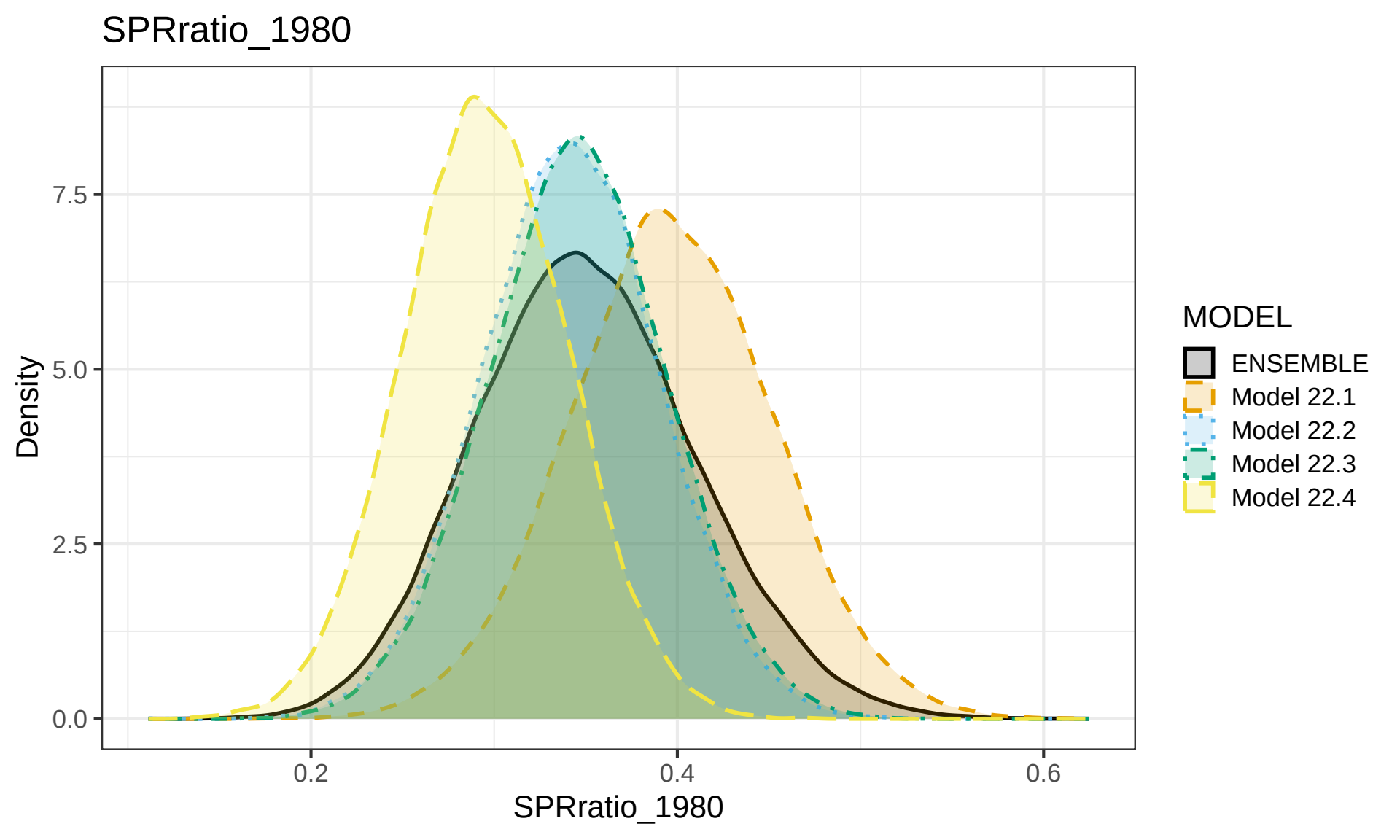

Recr_2037
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
4e+05
6e+05
8e+05
Recr_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

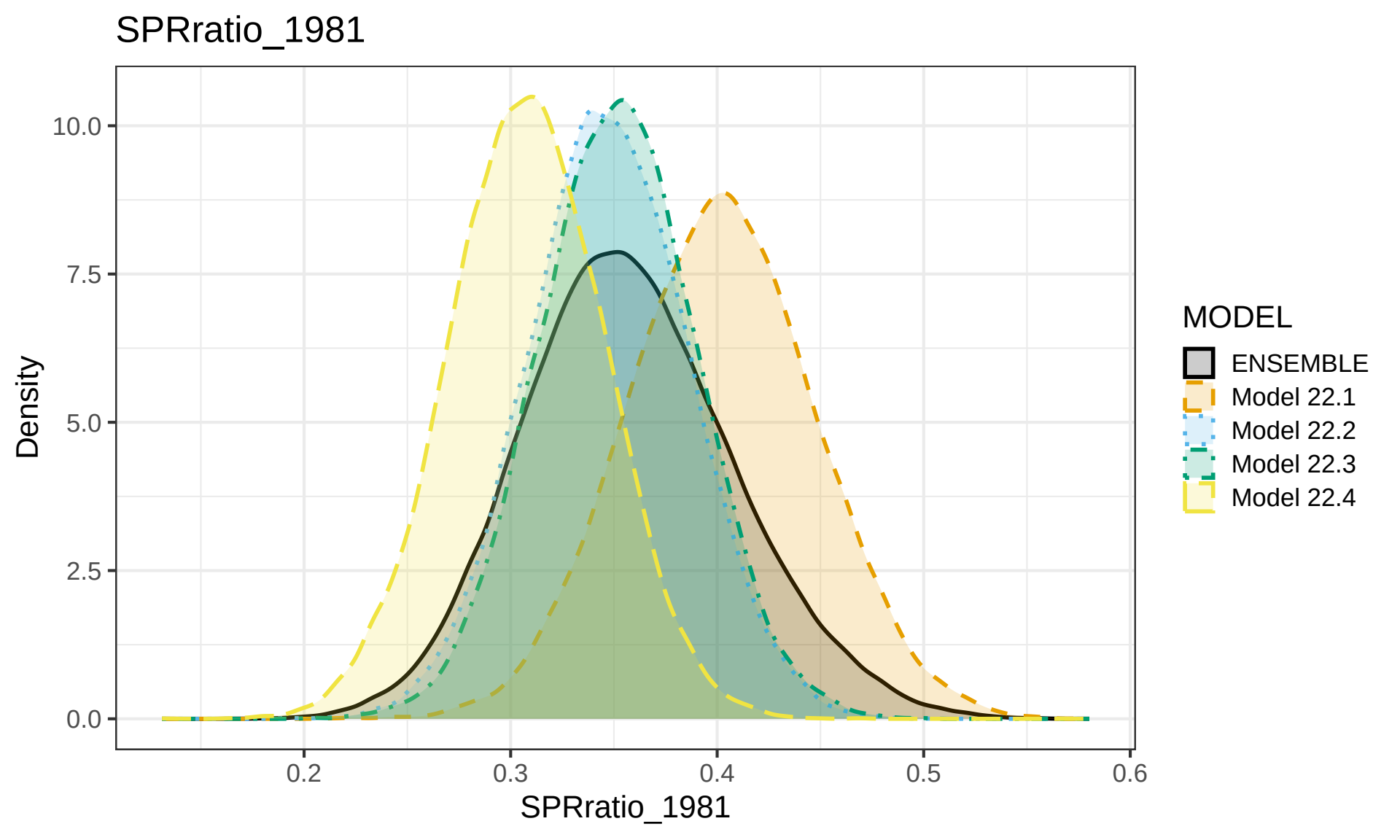

Recr_2038
7.5e−06
5.0e−06
2.5e−06
0.0e+00
Density
4e+05
6e+05
8e+05
Recr_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_1977
Density
4
2
0
0.25
0.50
0.75
SPRratio_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_1978
Density
4
2
0
0.3
0.5
0.7
0.9
SPRratio_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_1979
Density
6
4
2
0
0.2
0.4
0.6
SPRratio_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_1980
Density
7.5
5.0
2.5
0.0
0.2
0.4
0.6
SPRratio_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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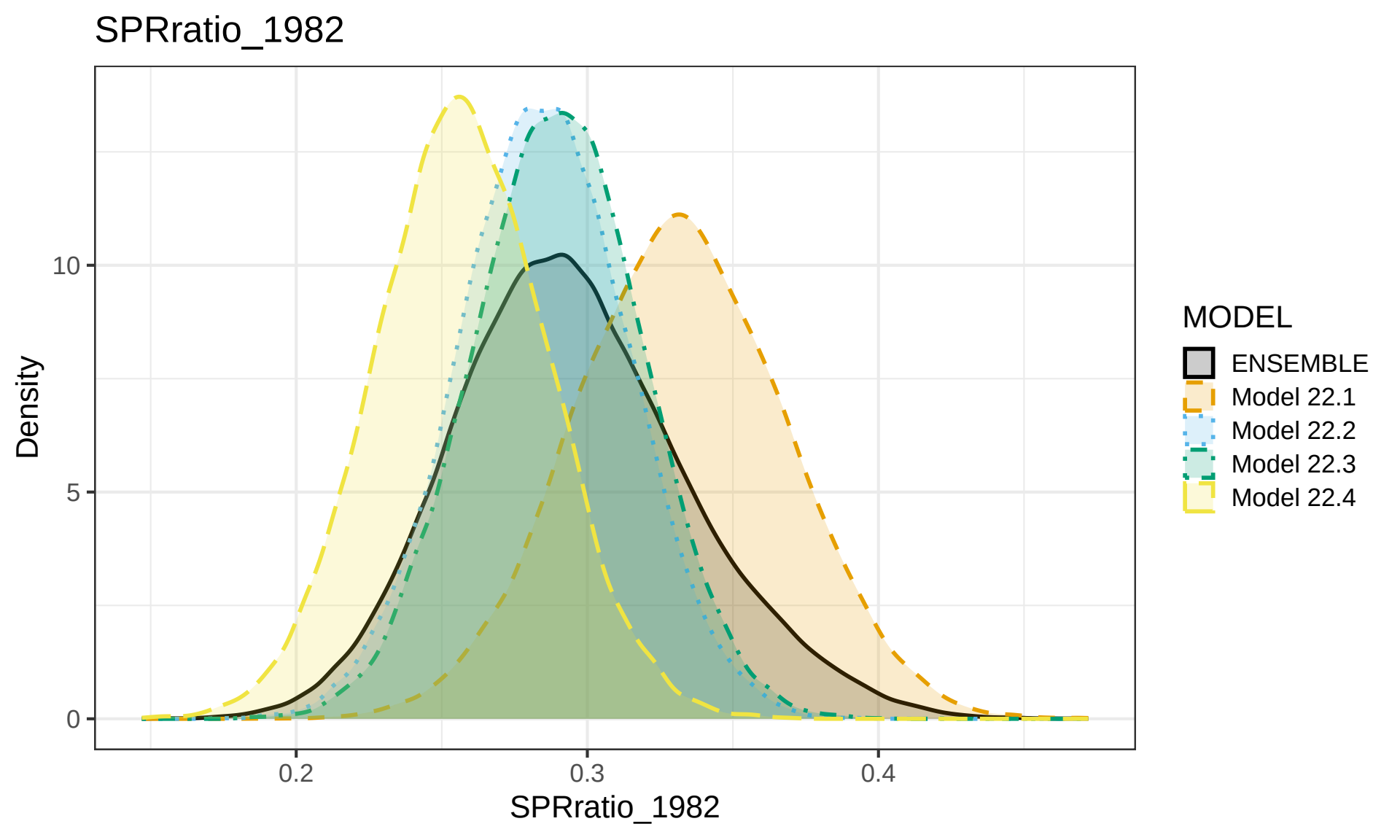
0.6
SPRratio_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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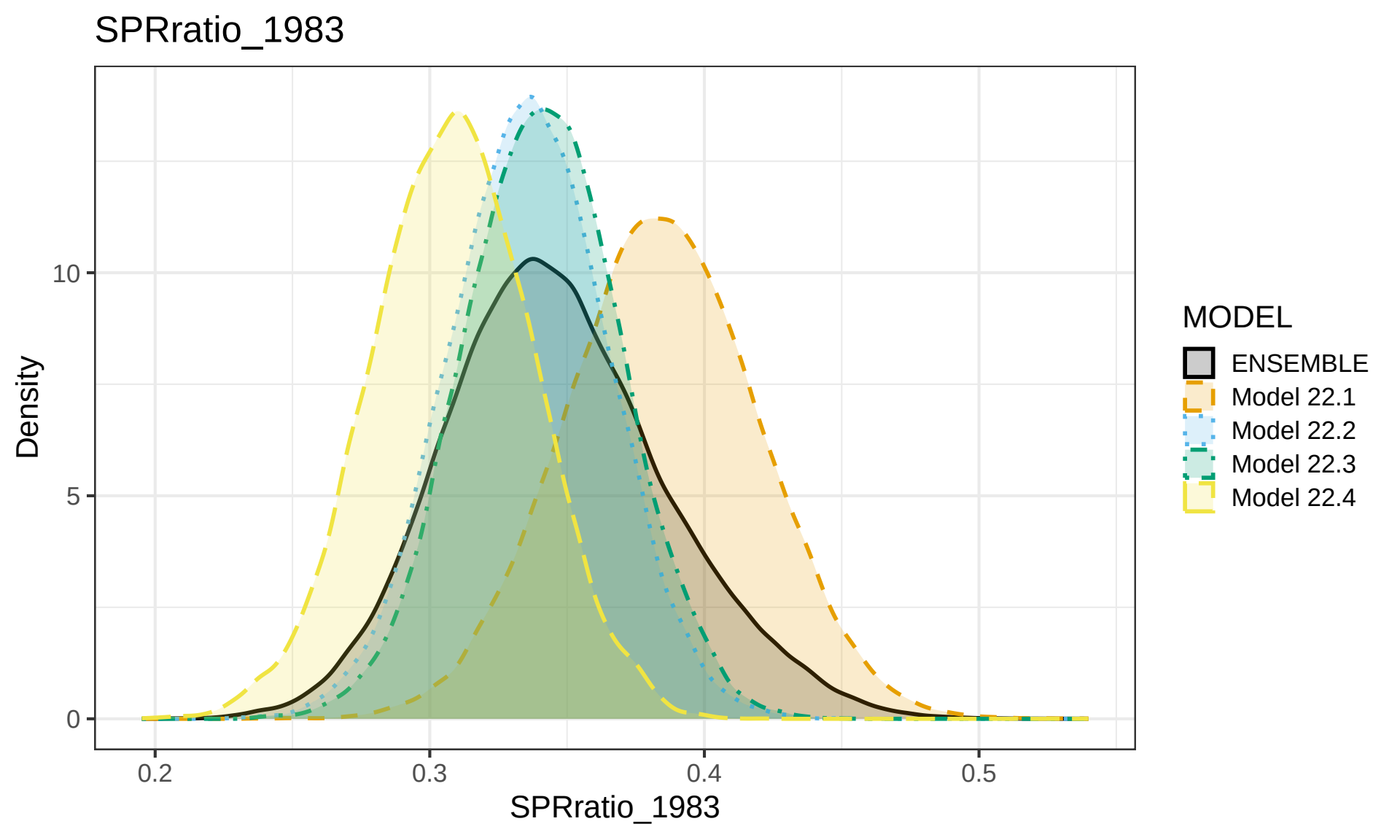
SPRratio_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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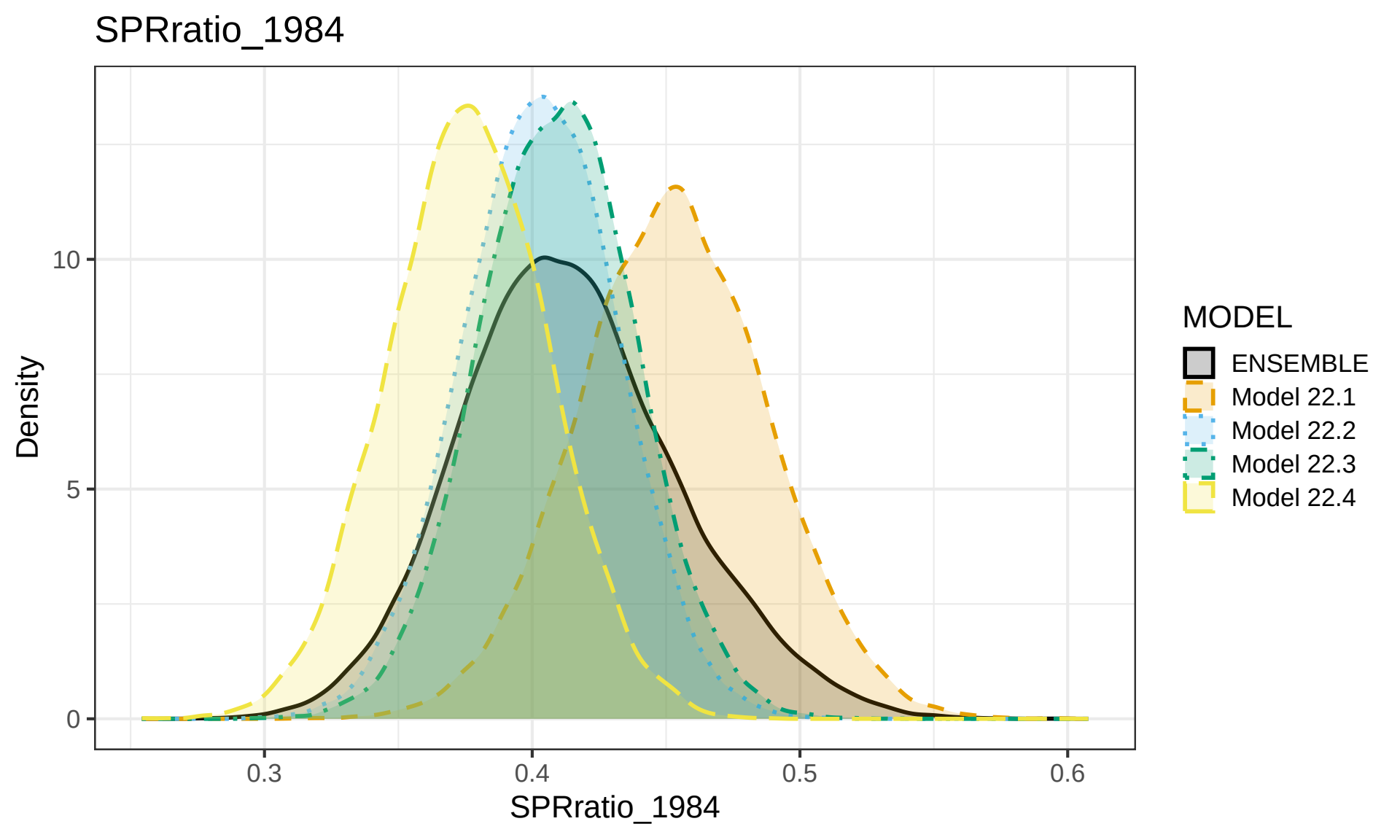
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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MODEL
ENSEMBLE
Model 22.1
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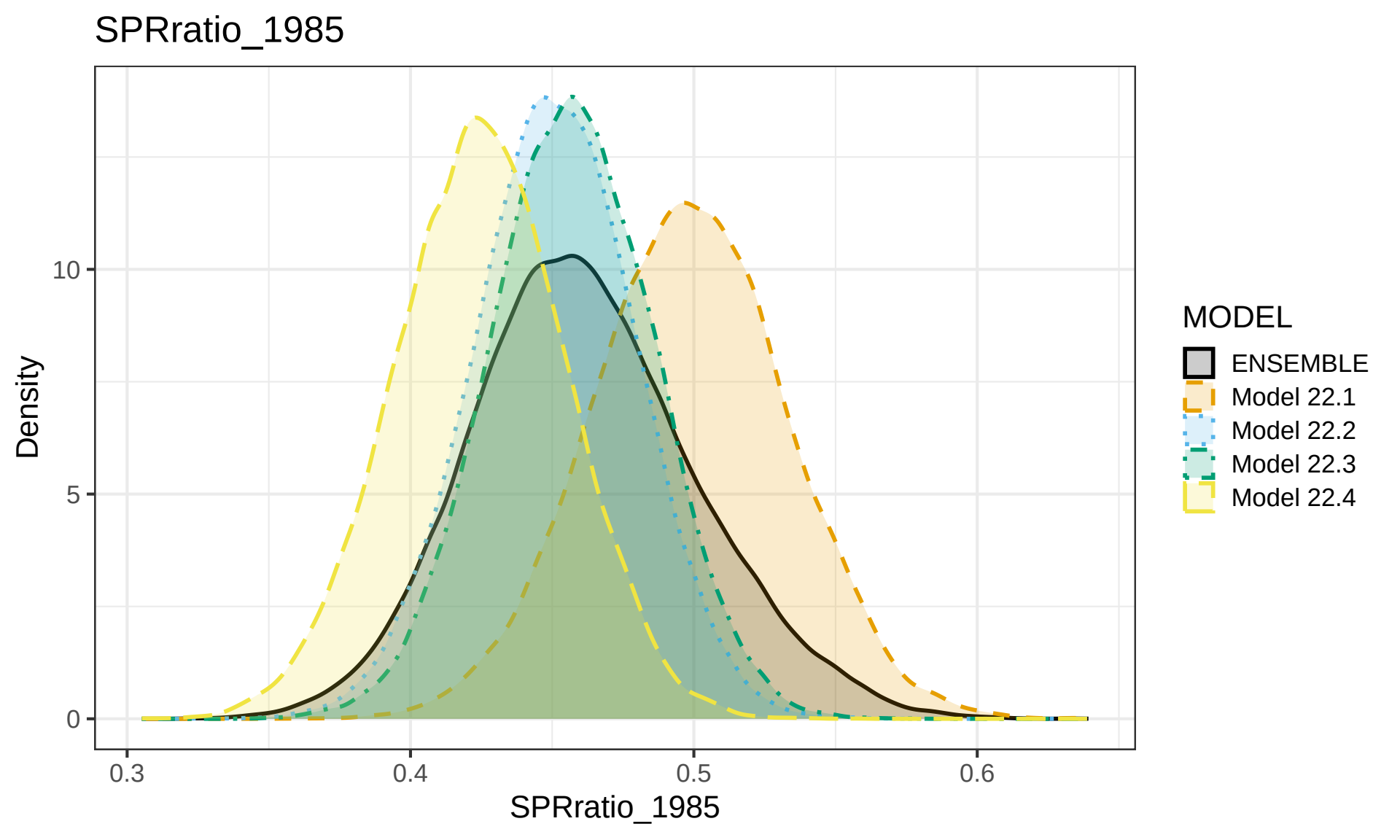
Model 22.3
Model 22.4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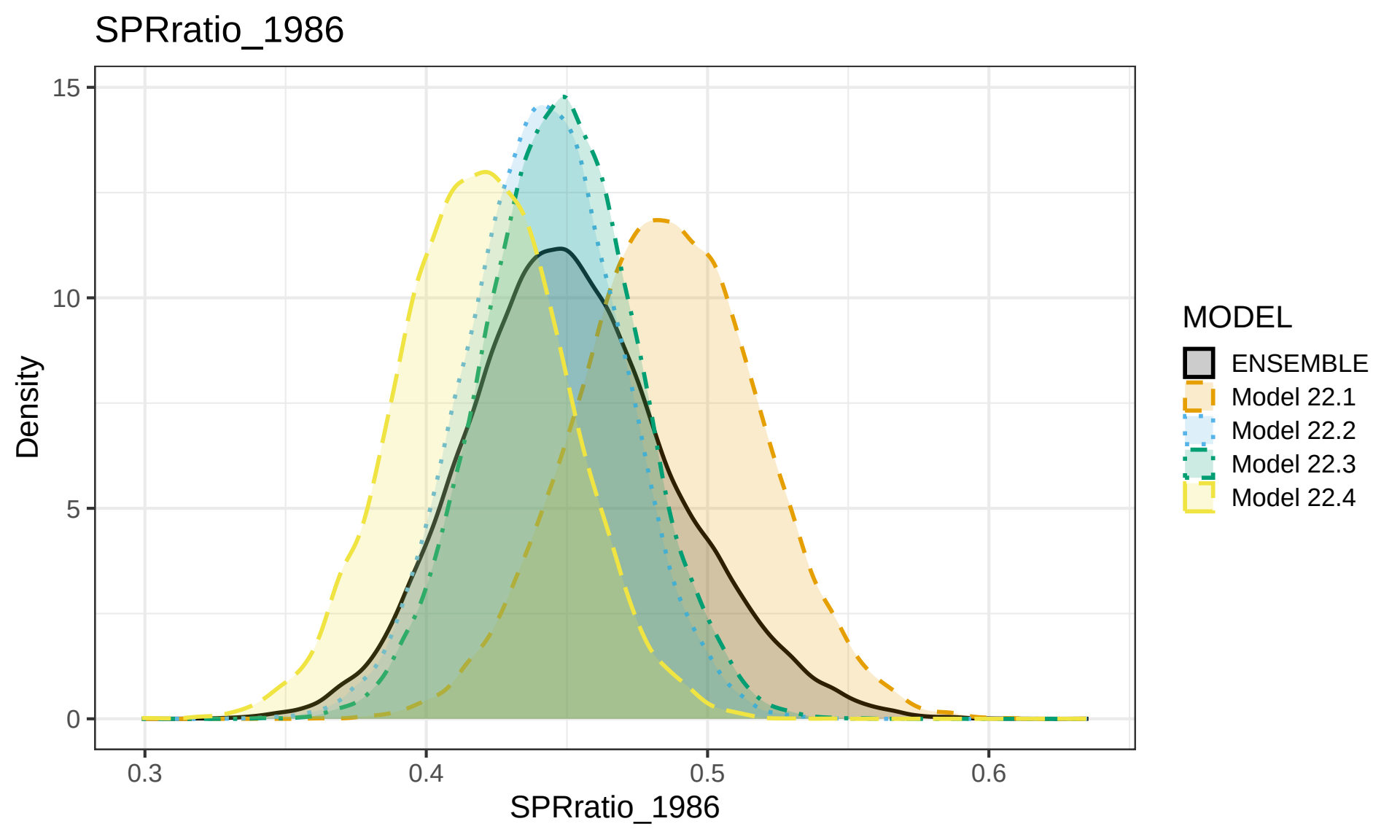
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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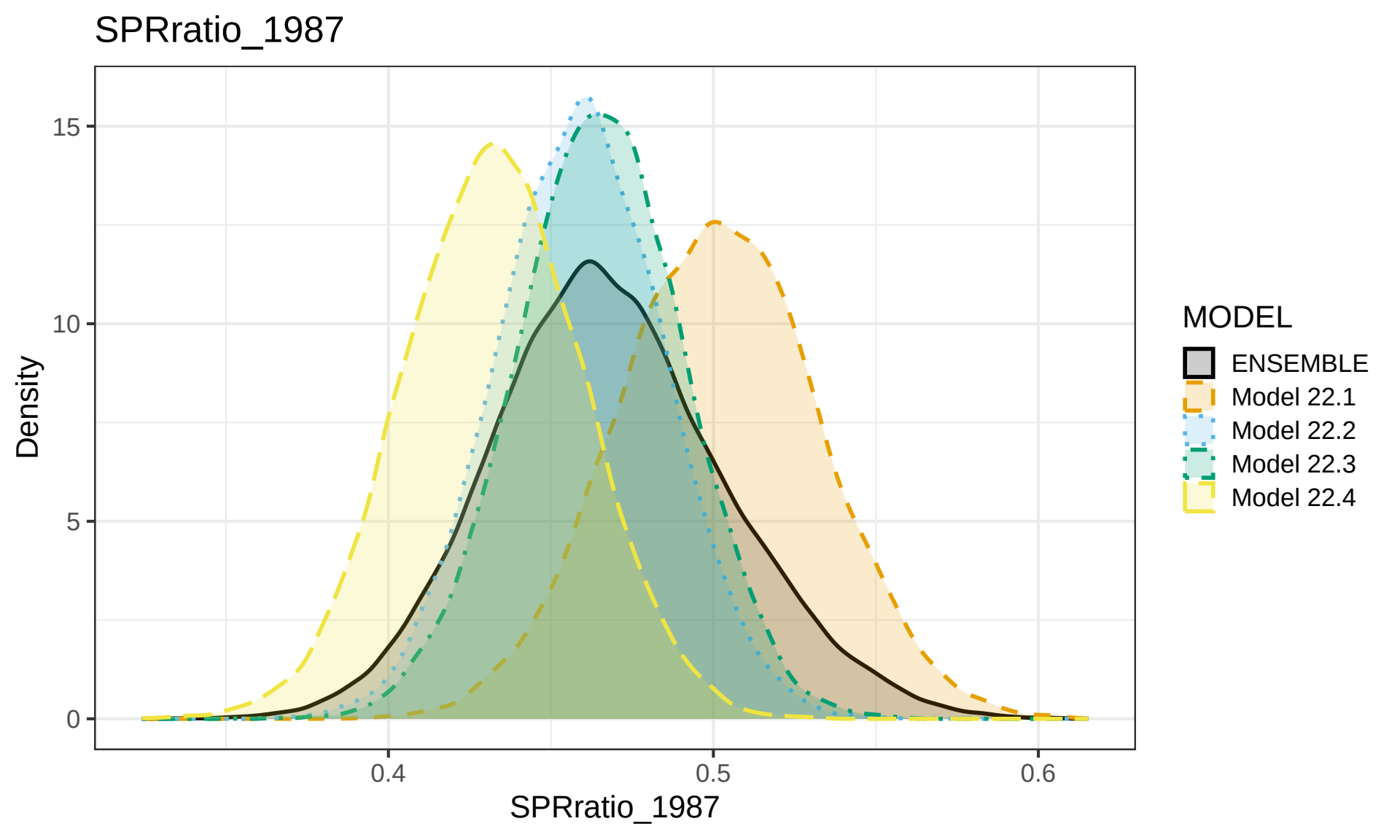
SPRratio_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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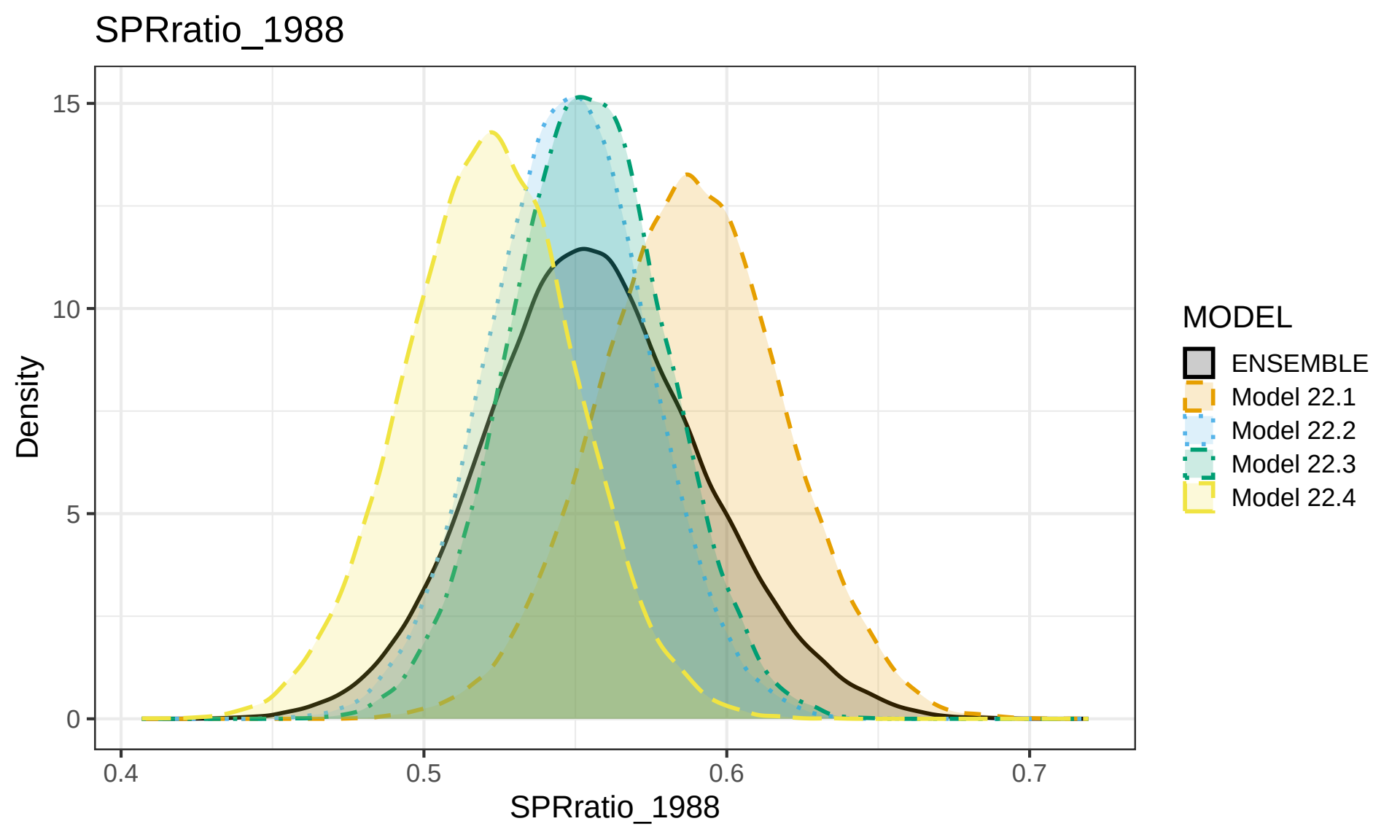
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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SPRratio_1988
MODEL
ENSEMBLE
Model 22.1
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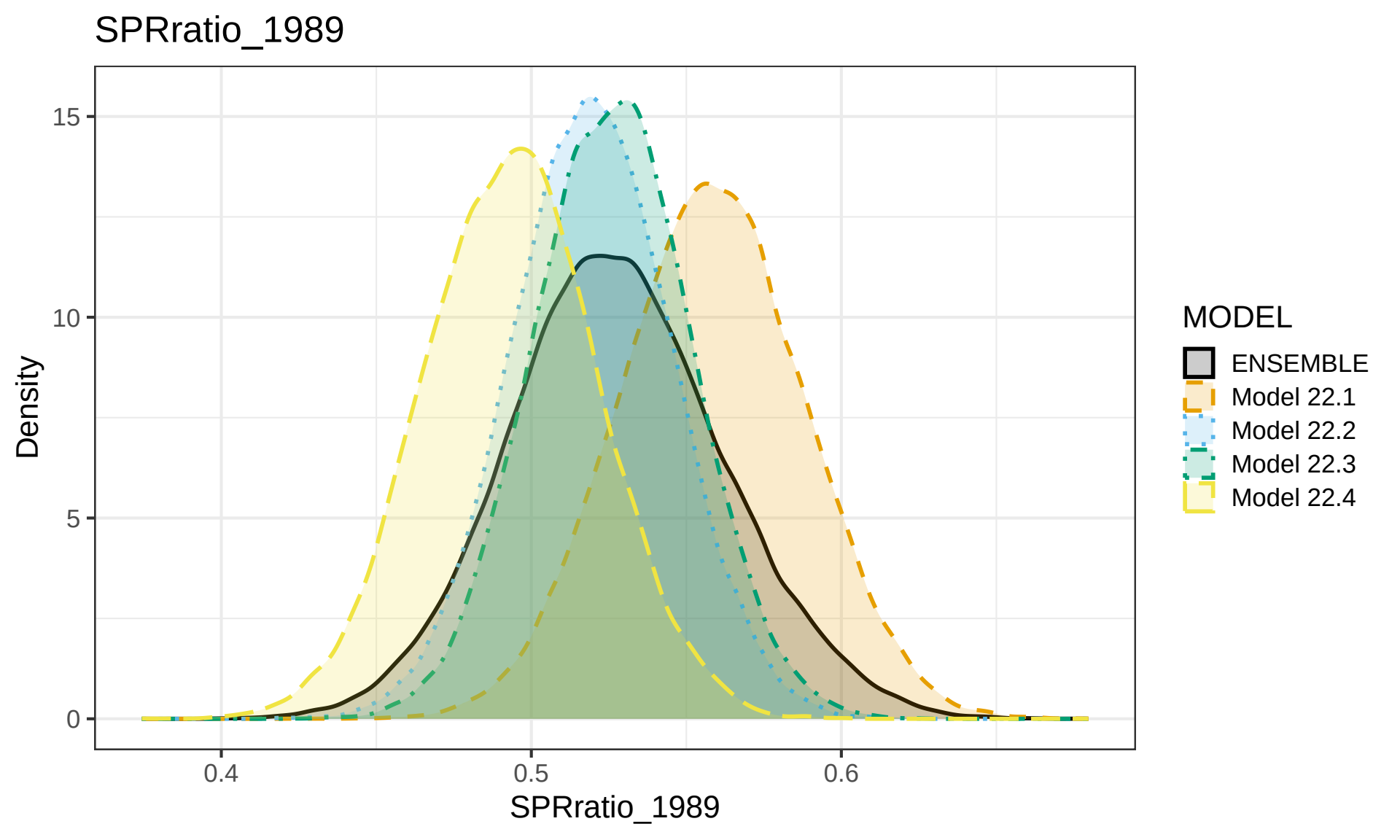
Model 22.3
Model 22.4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MODEL
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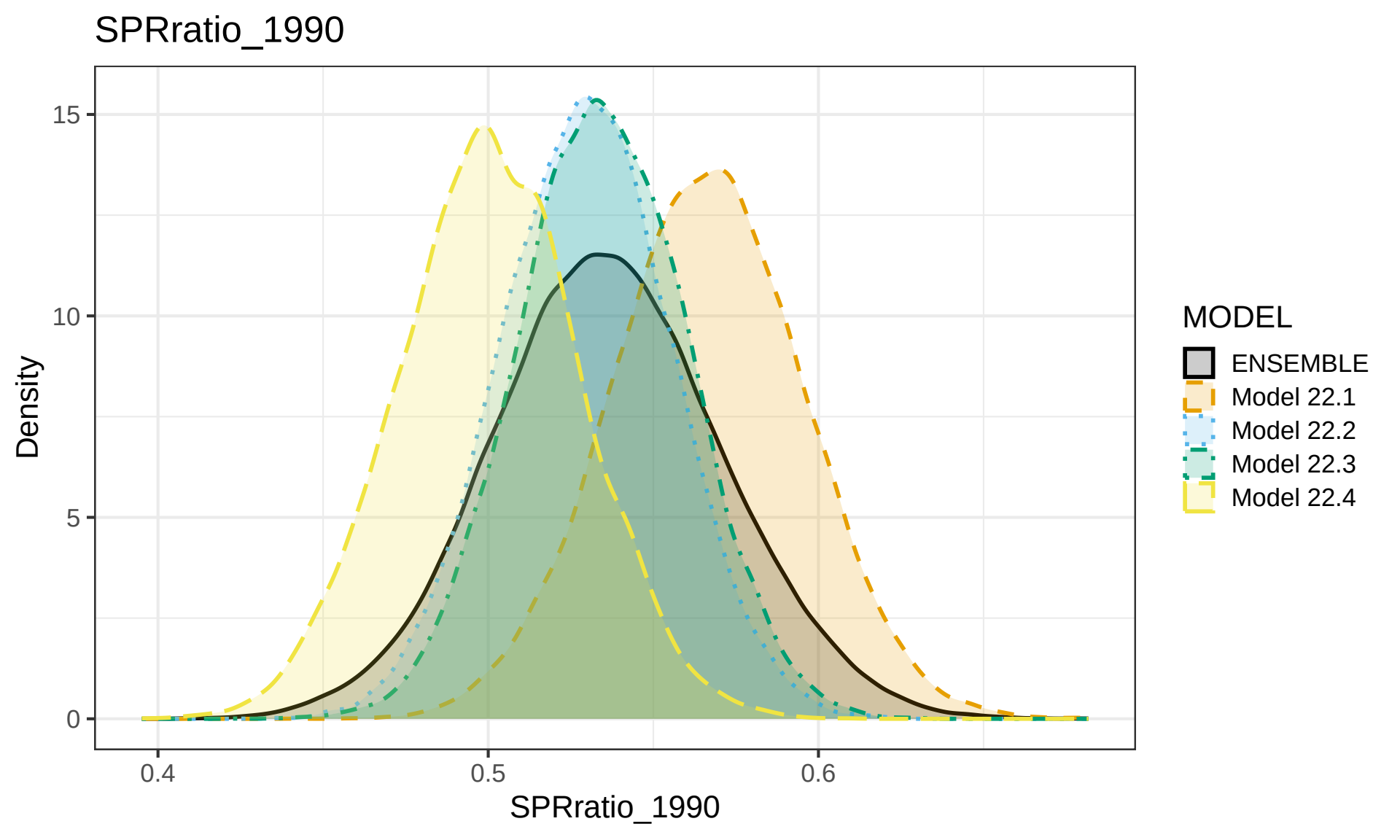
Model 22.1
Model 22.2
Model 22.3
Model 22.4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SPRratio_1990
MODEL
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Model 22.1
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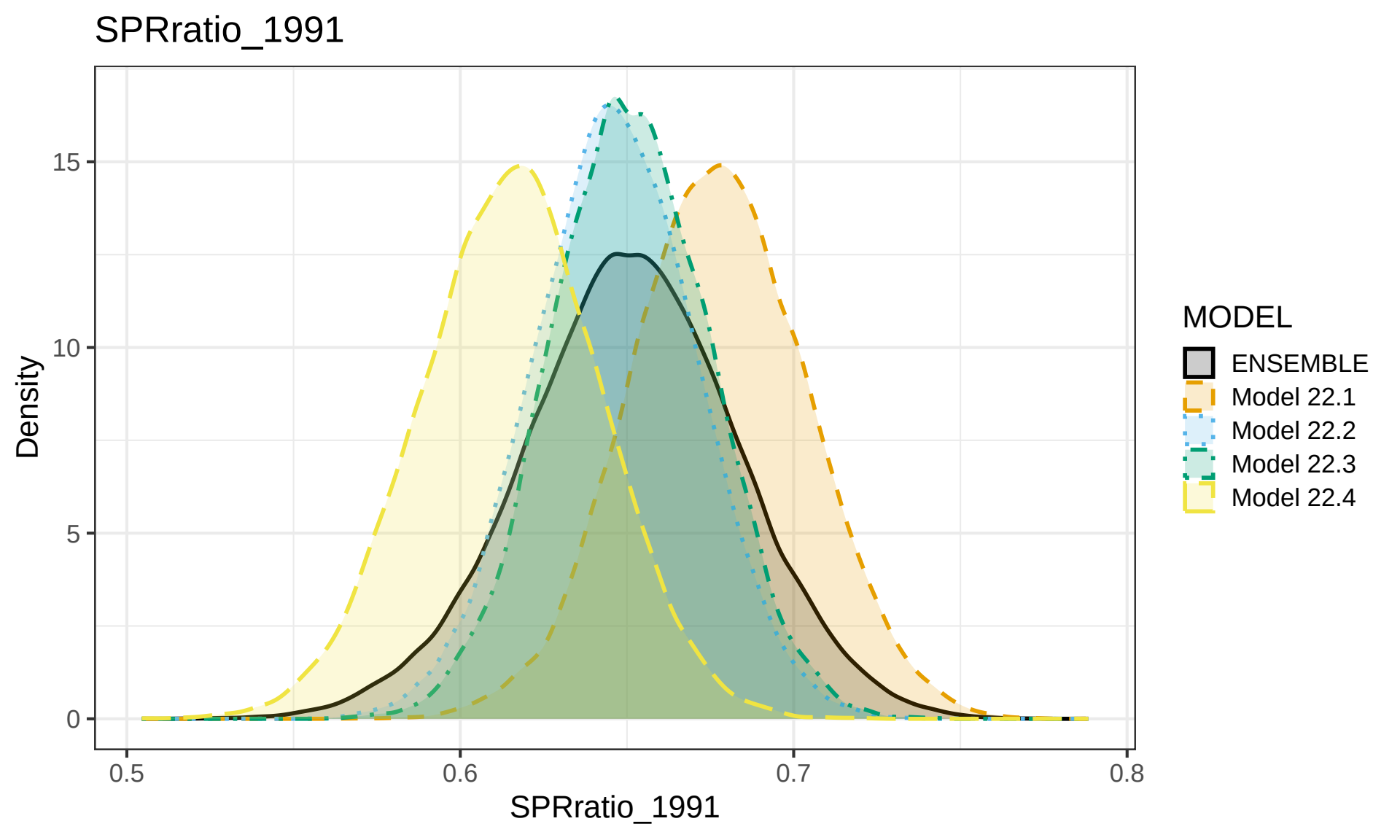
Model 22.3
Model 22.4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SPRratio_1991
MODEL
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Model 22.1
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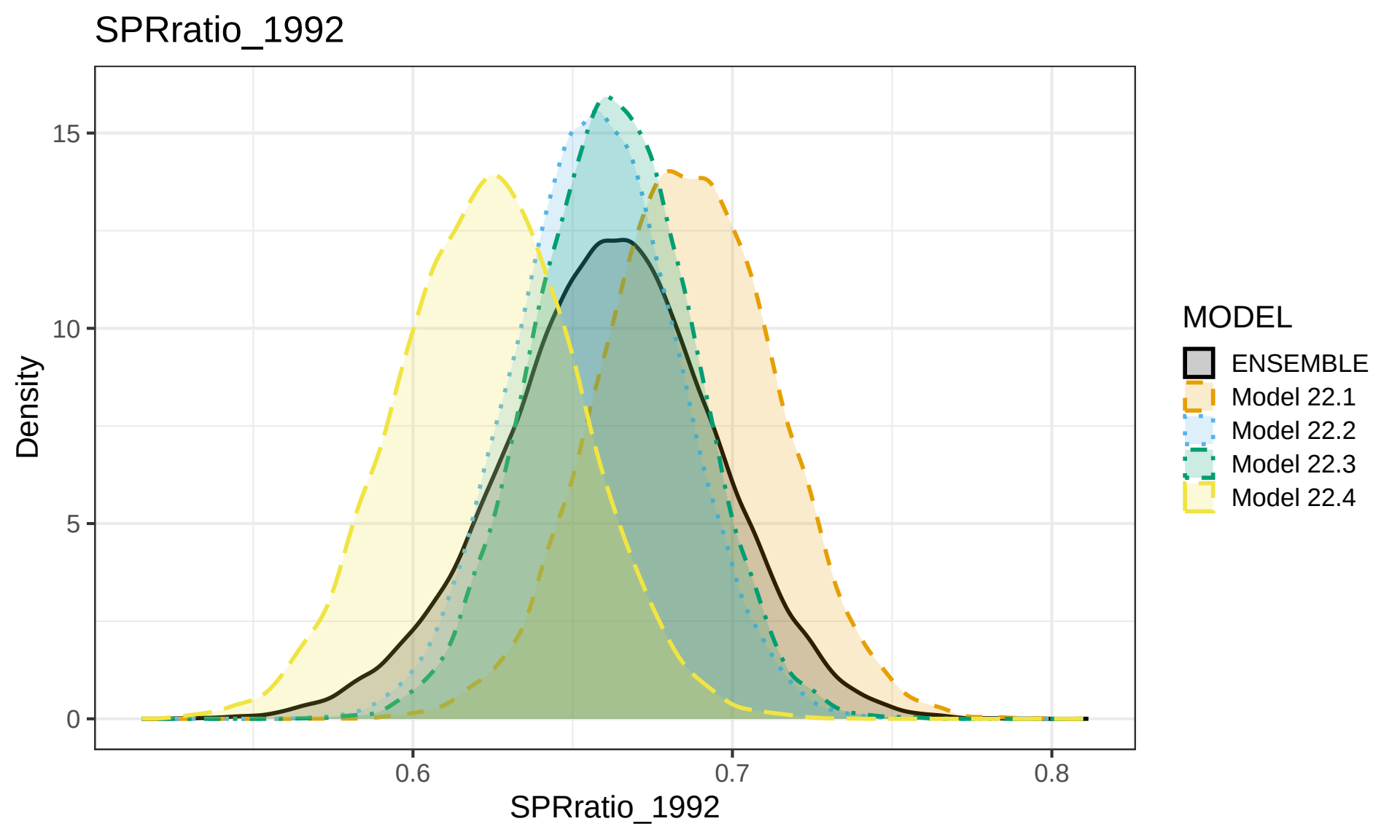
Model 22.3
Model 22.4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MODEL
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Model 22.1
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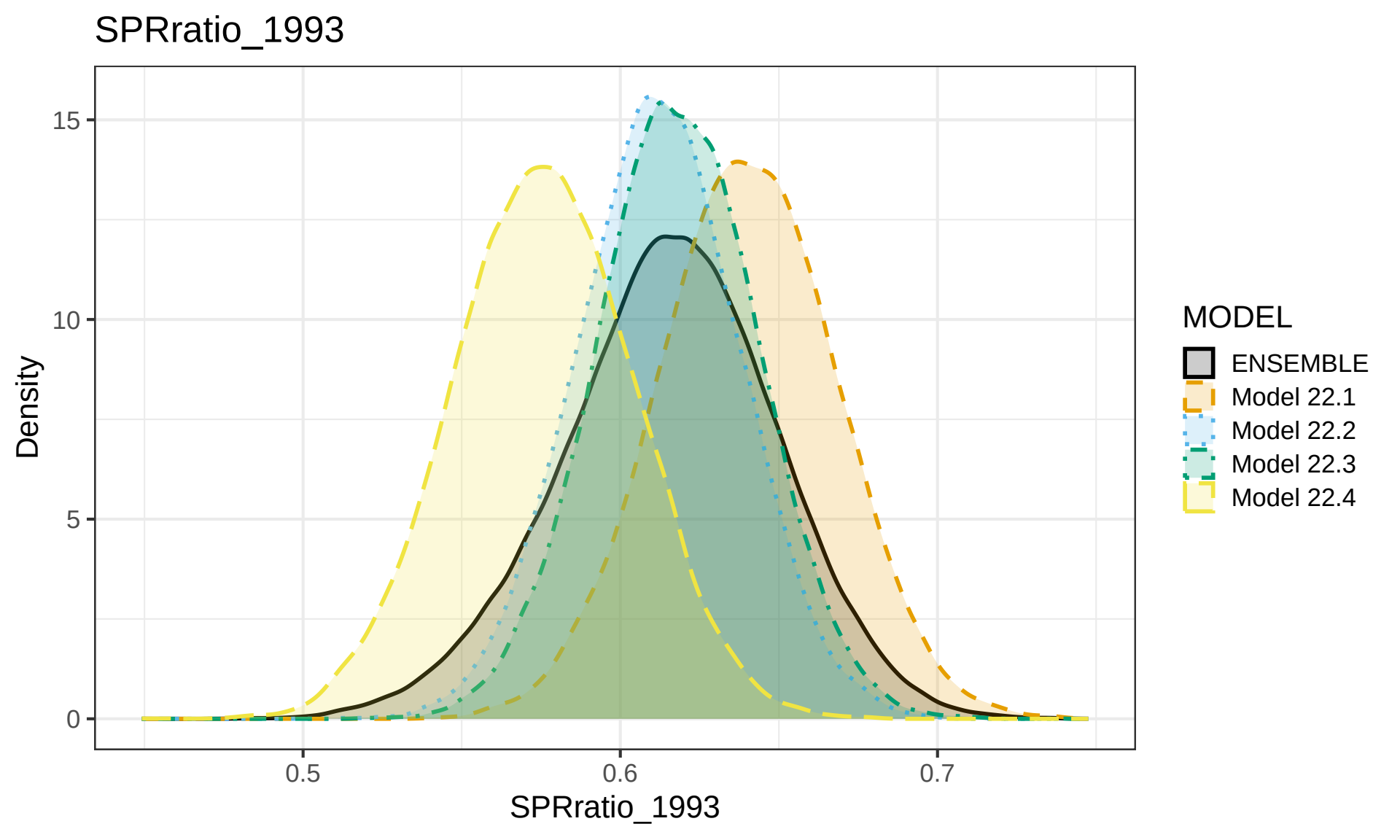
Model 22.4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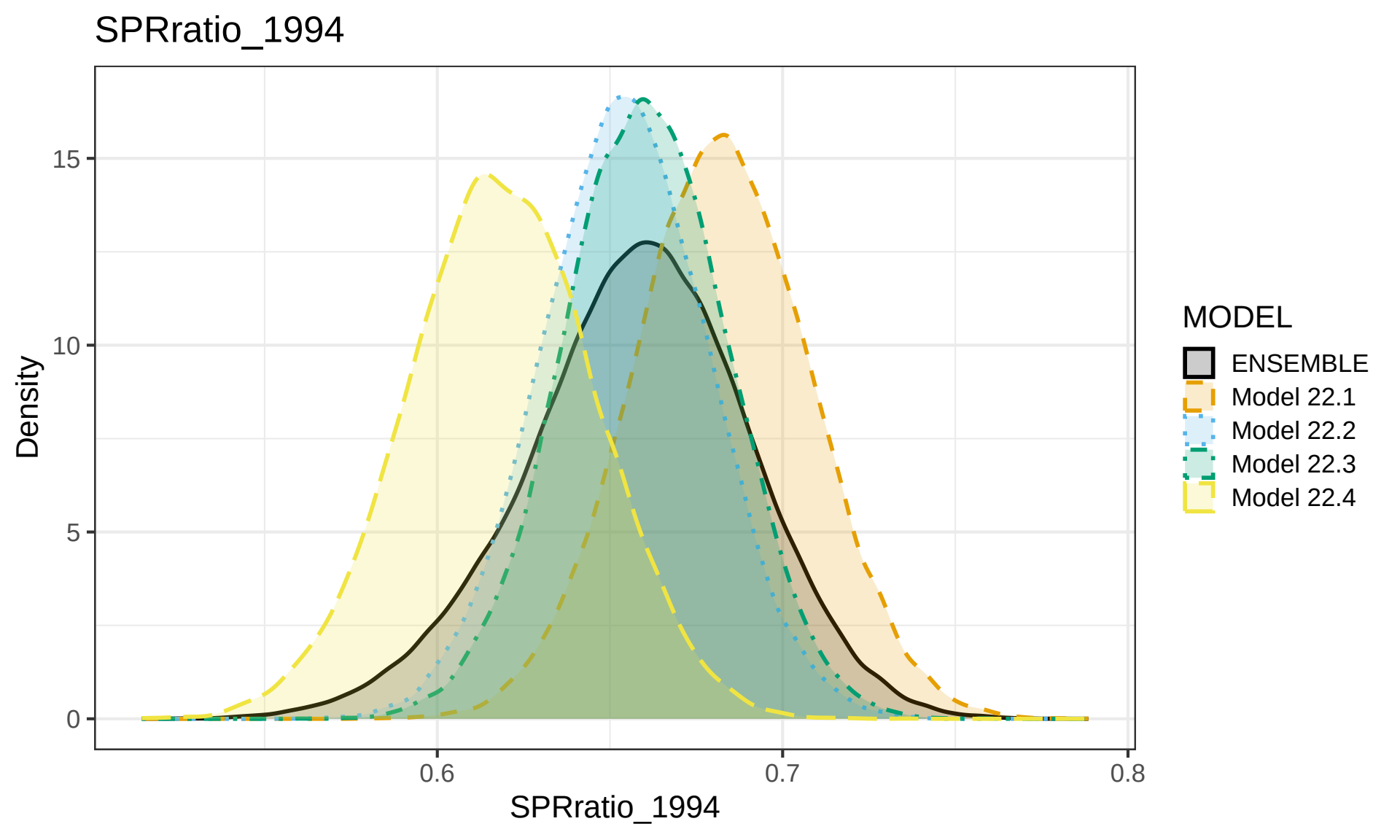
Model 22.4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SPRratio_1994
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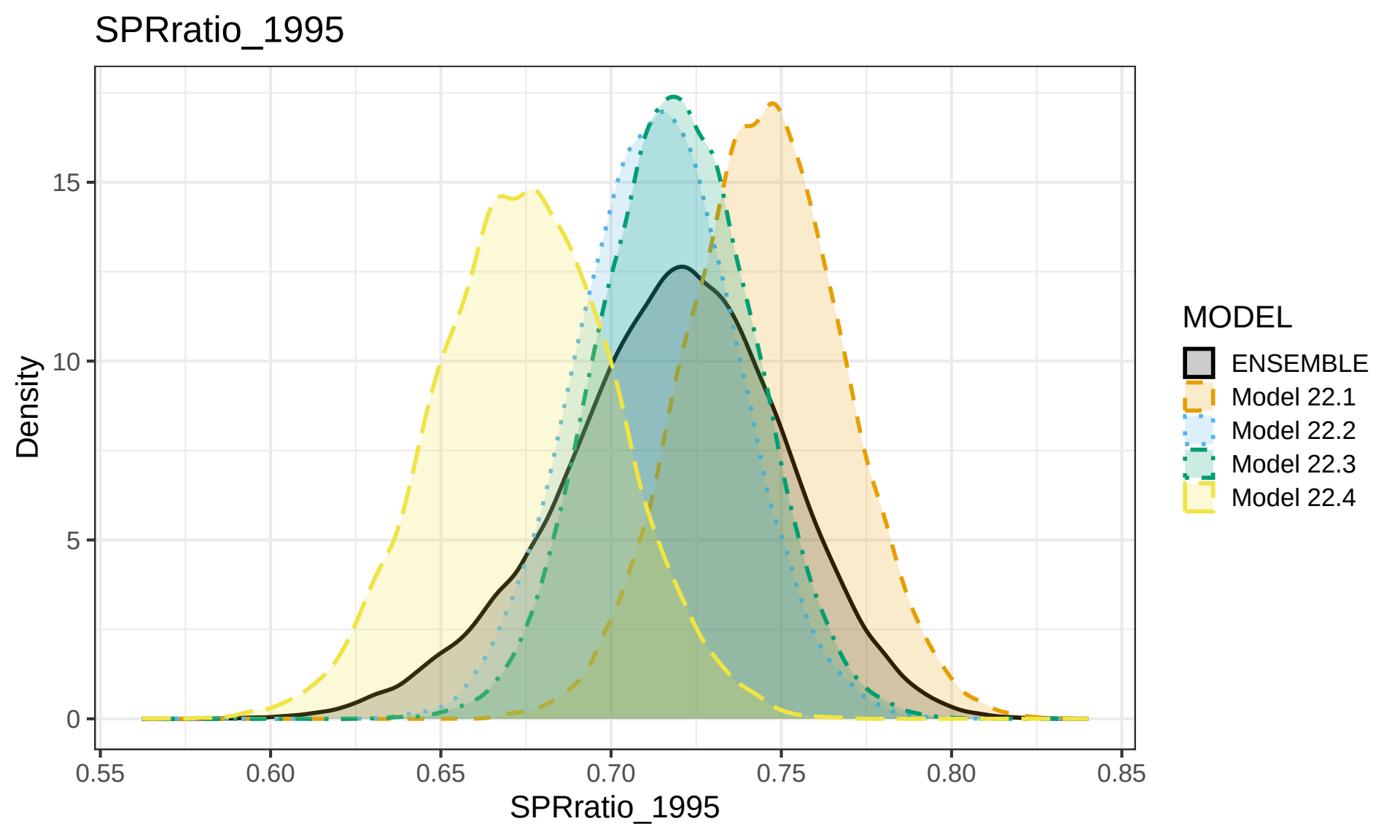
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MODEL
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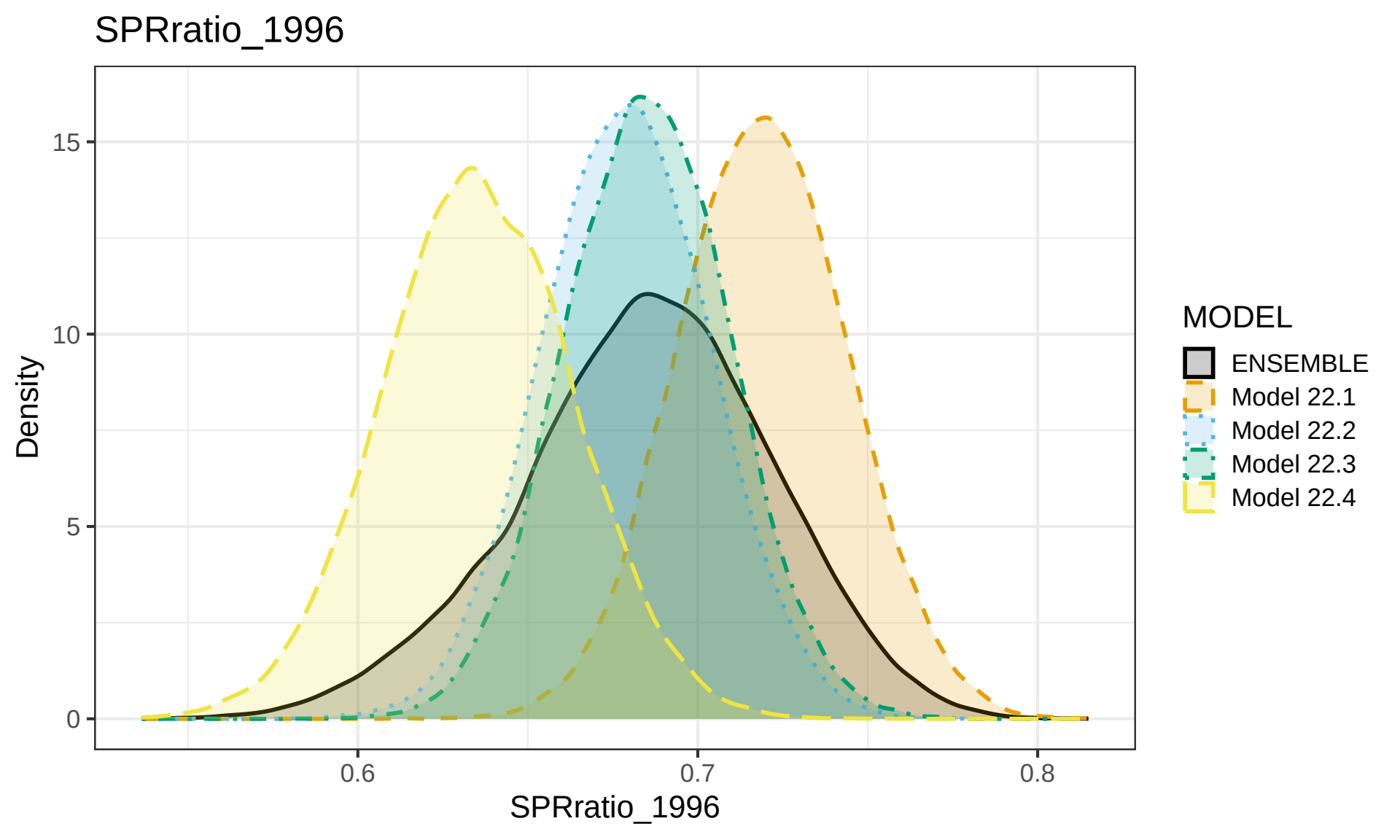
Model 22.4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MODEL
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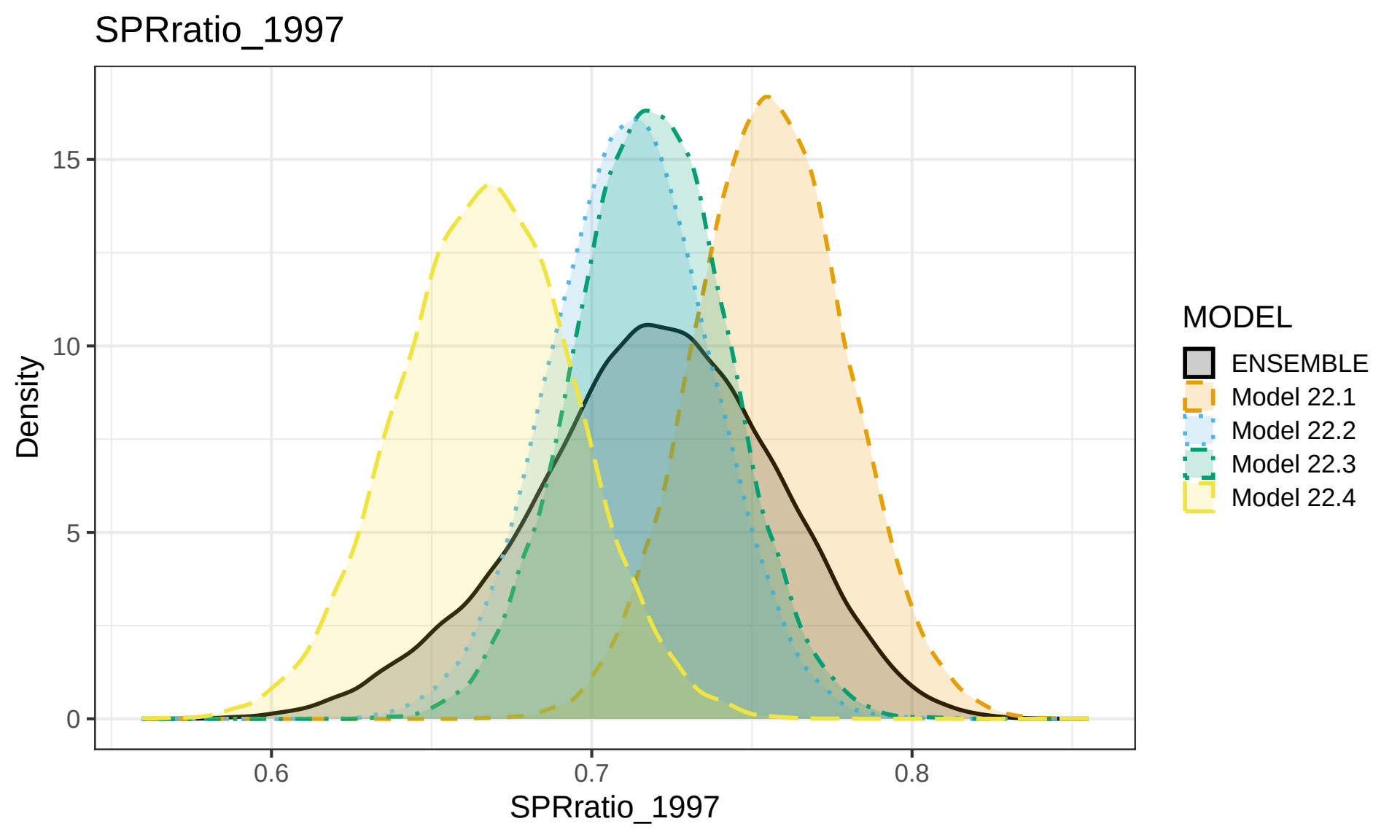
Model 22.4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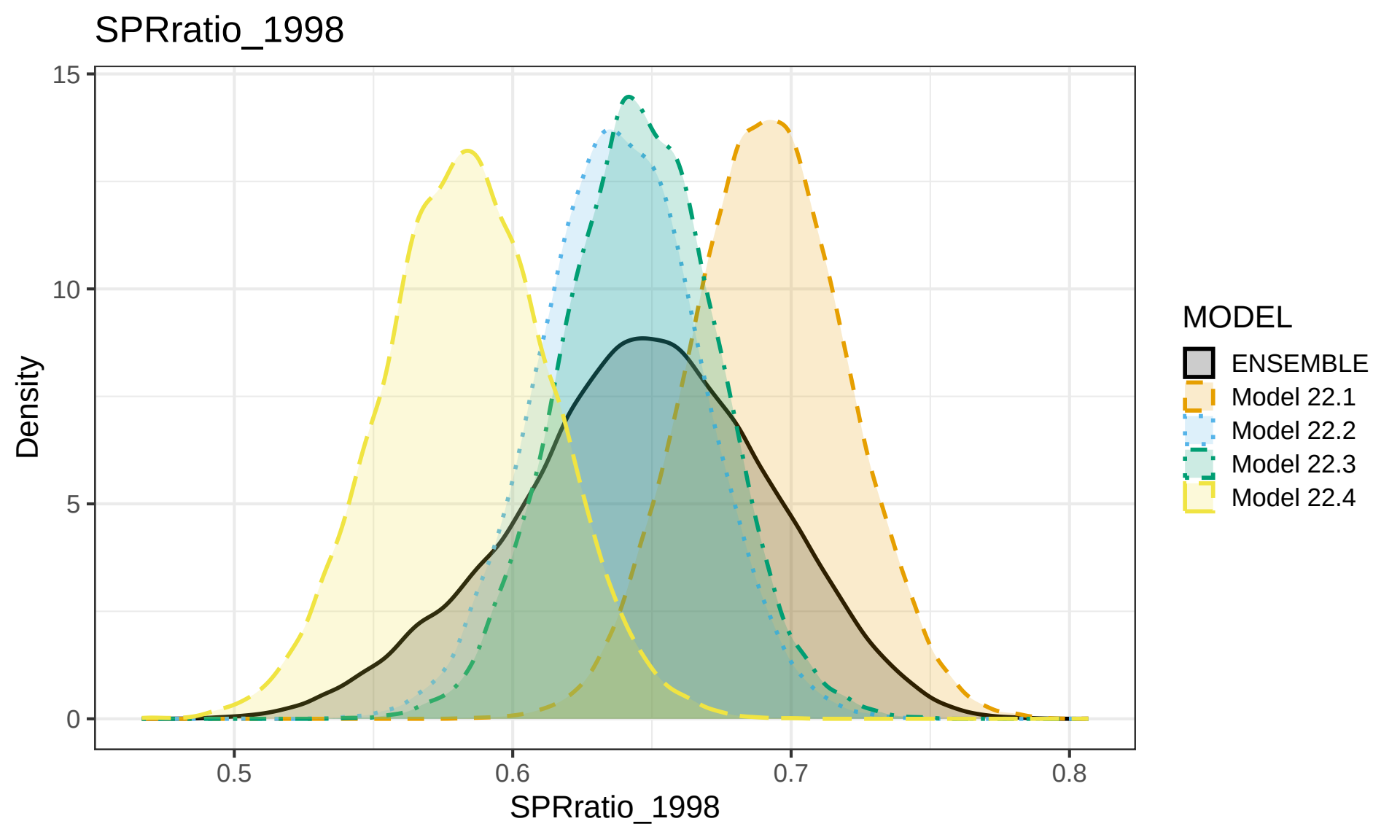
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MODEL
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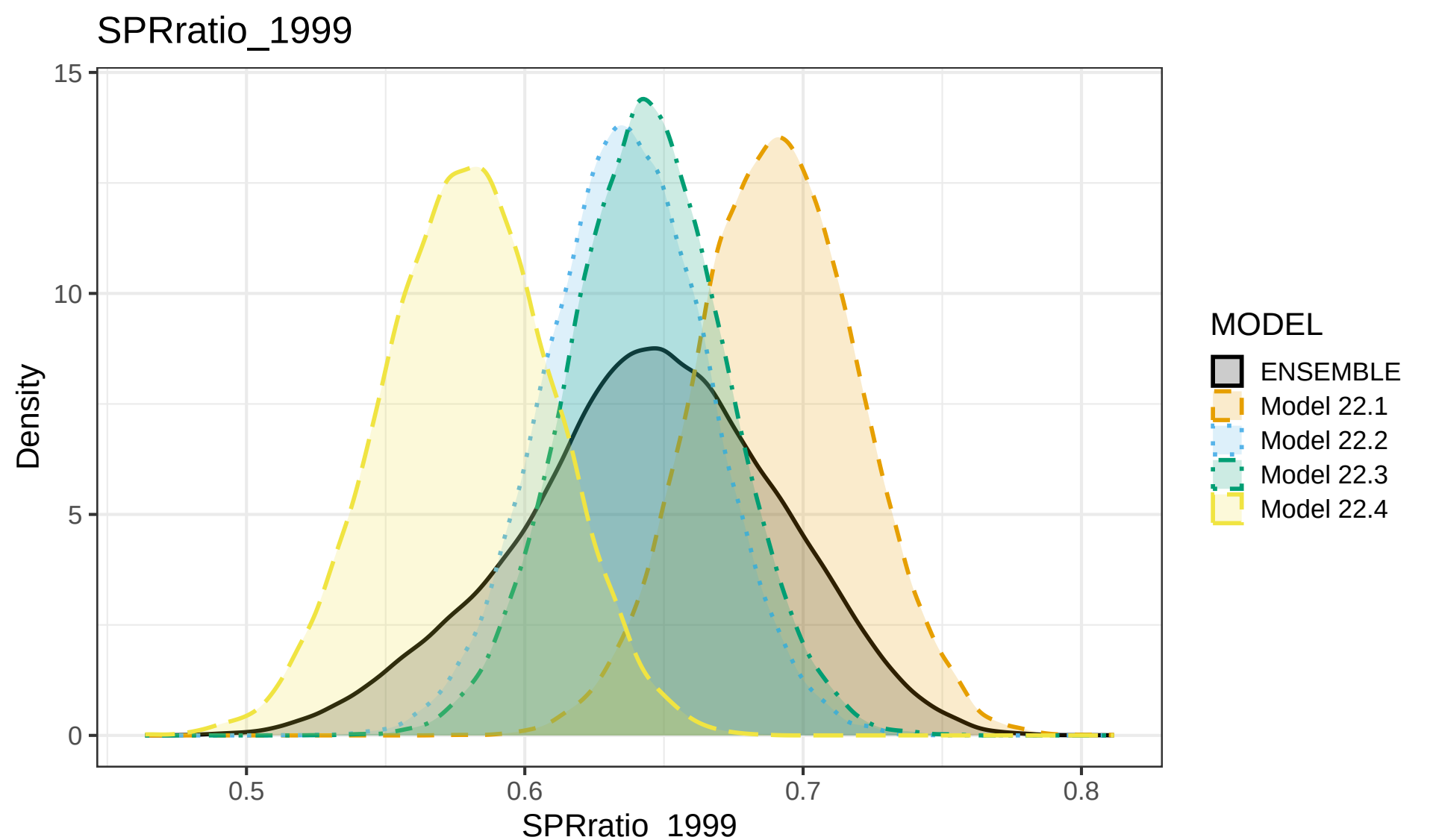
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MODEL
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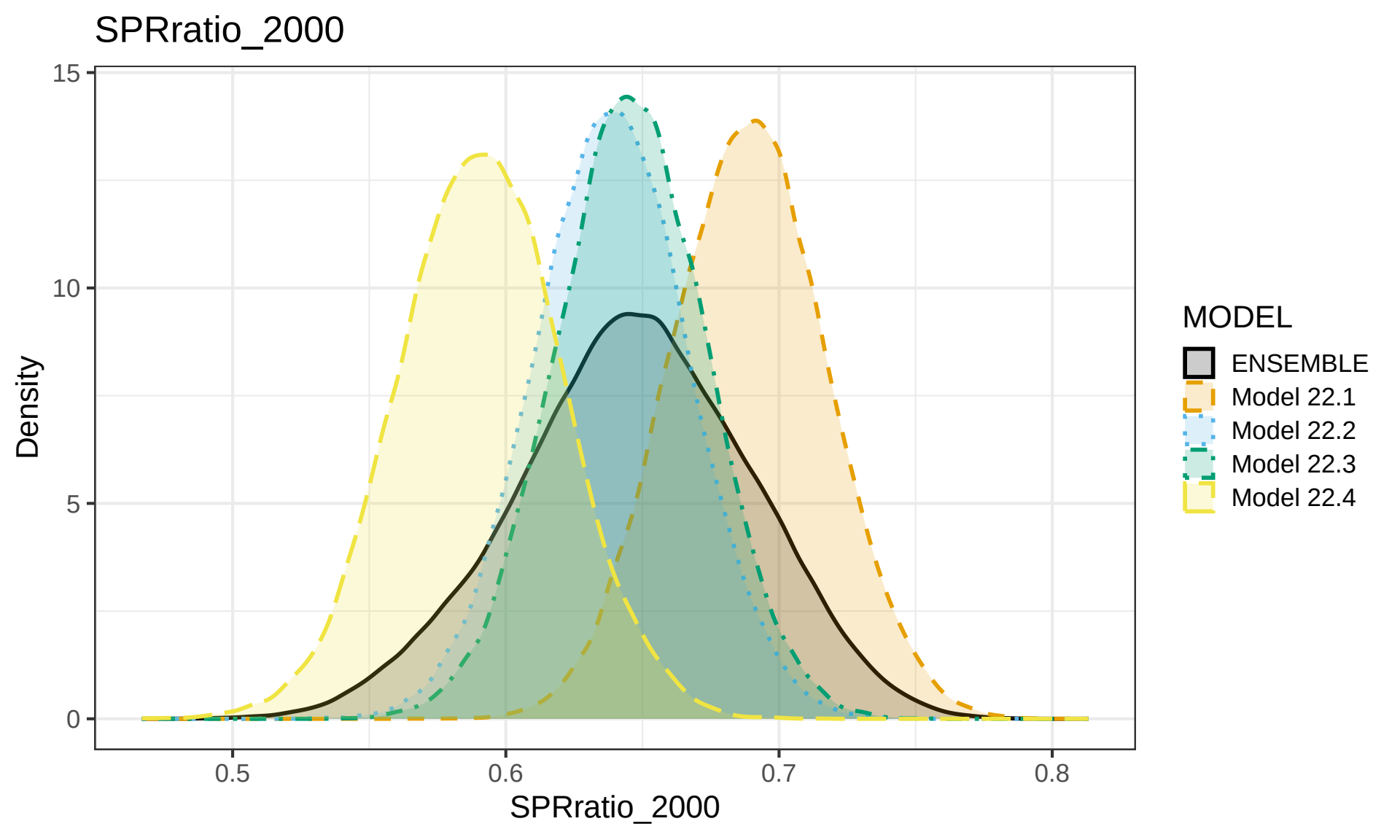
Model 22.4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SPRratio_2000
MODEL
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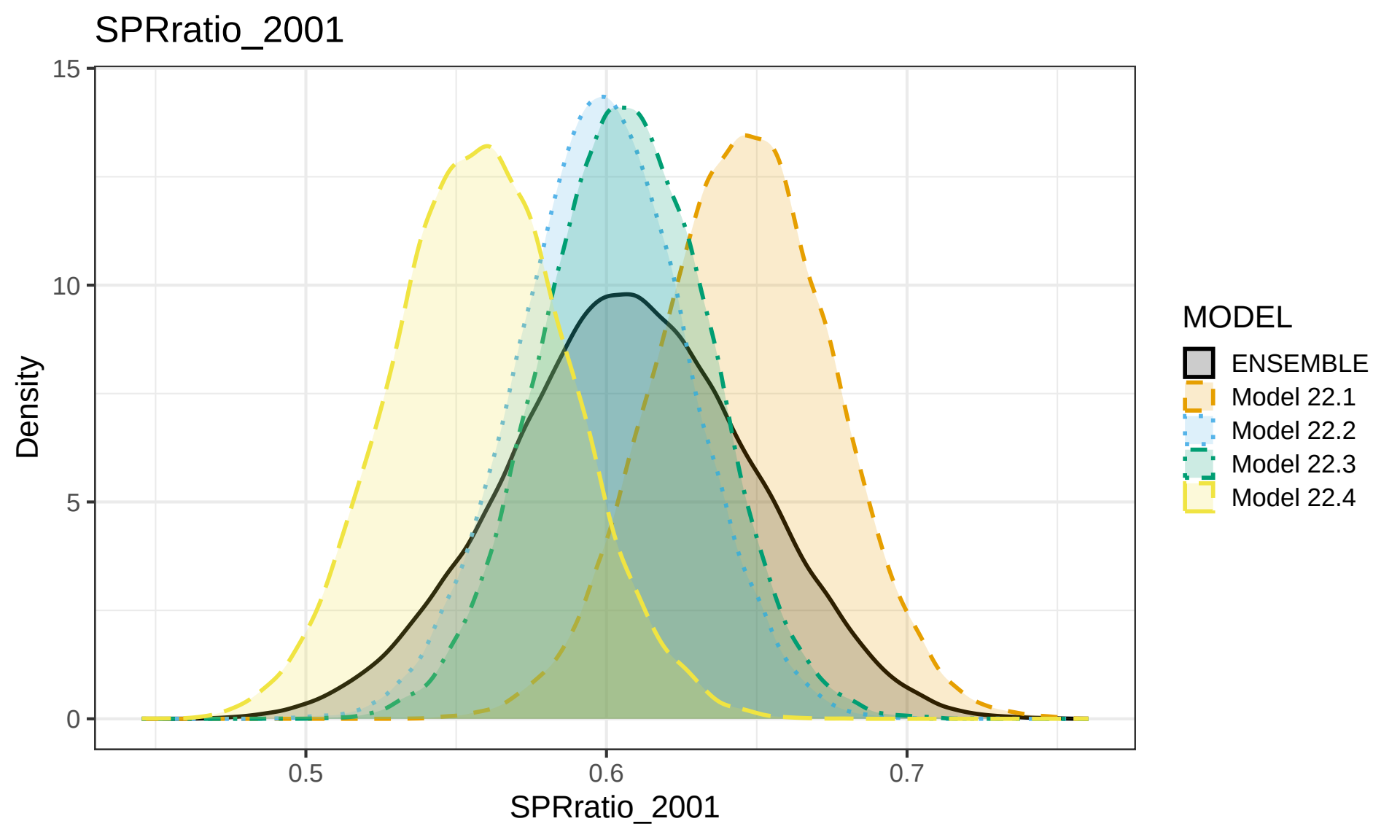
Model 22.4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Model 22.1
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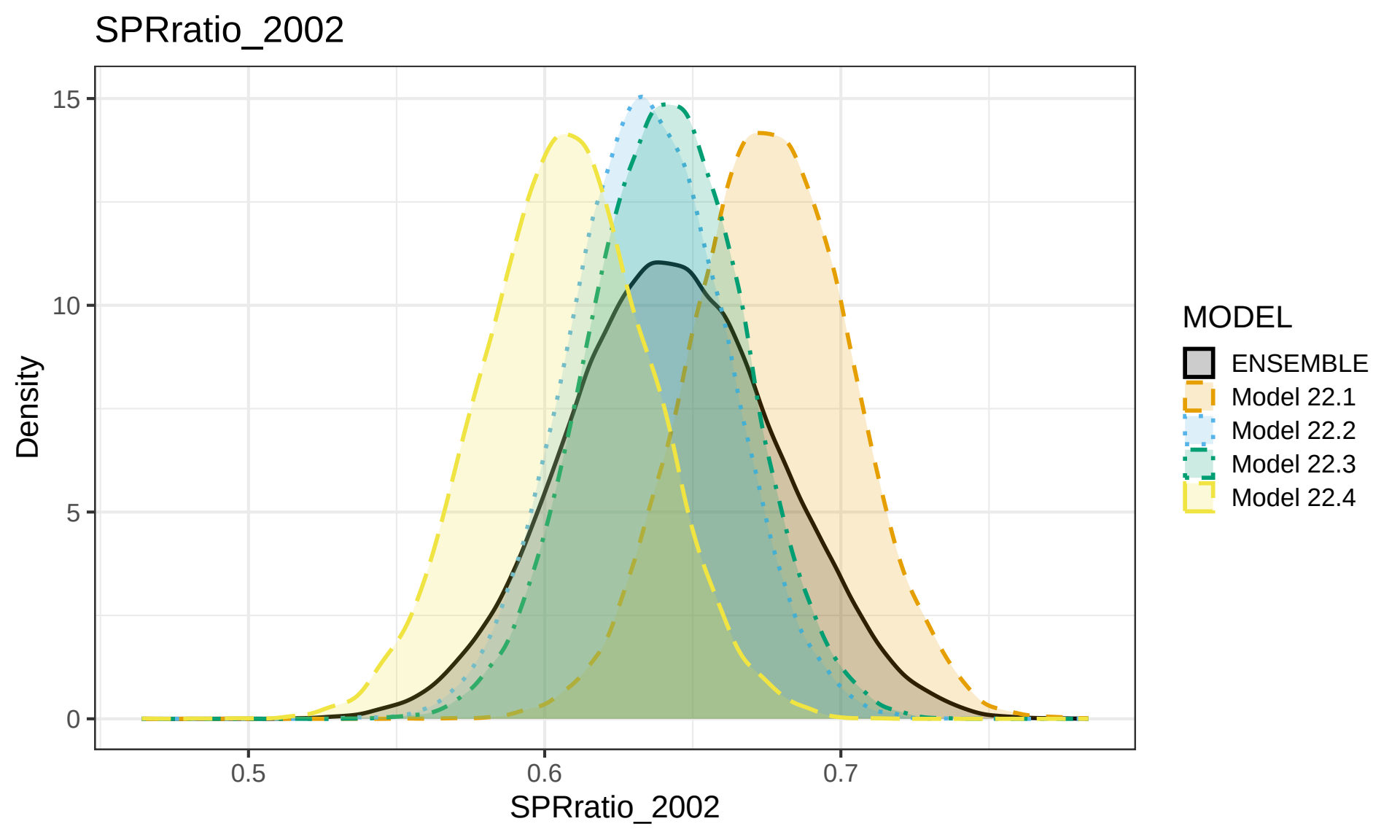
Model 22.4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SPRratio_2002
MODEL
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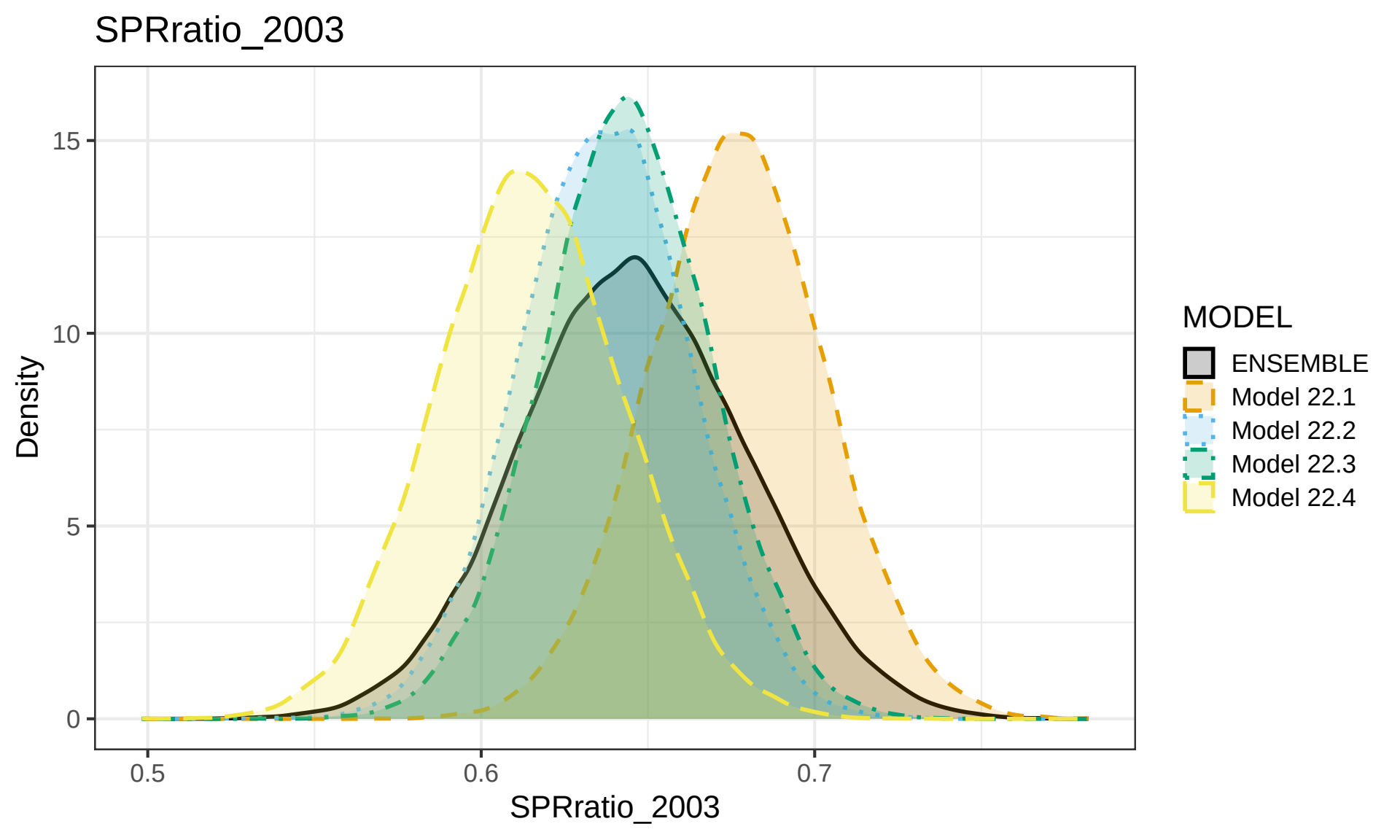
Model 22.4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MODEL
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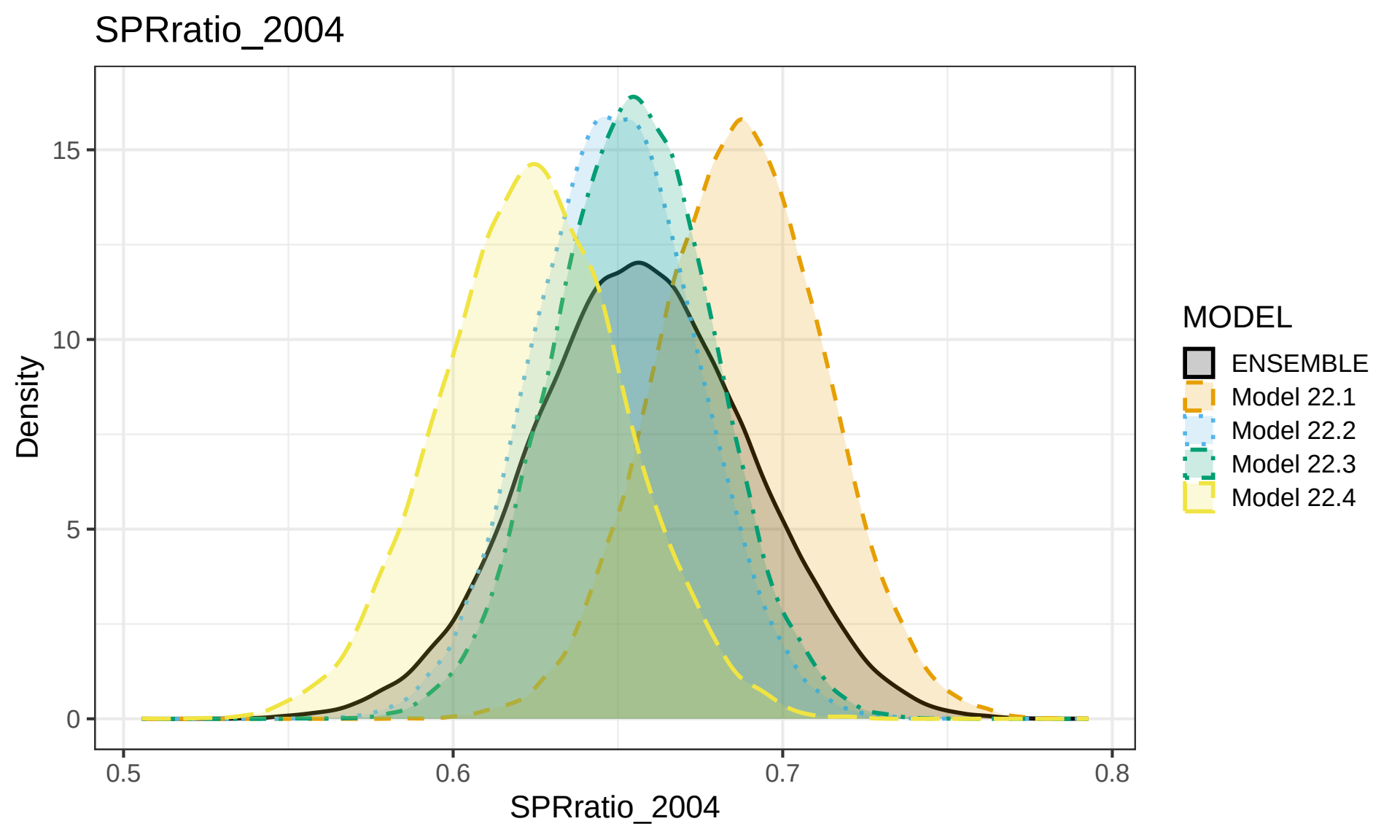
Model 22.4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SPRratio_2004
MODEL
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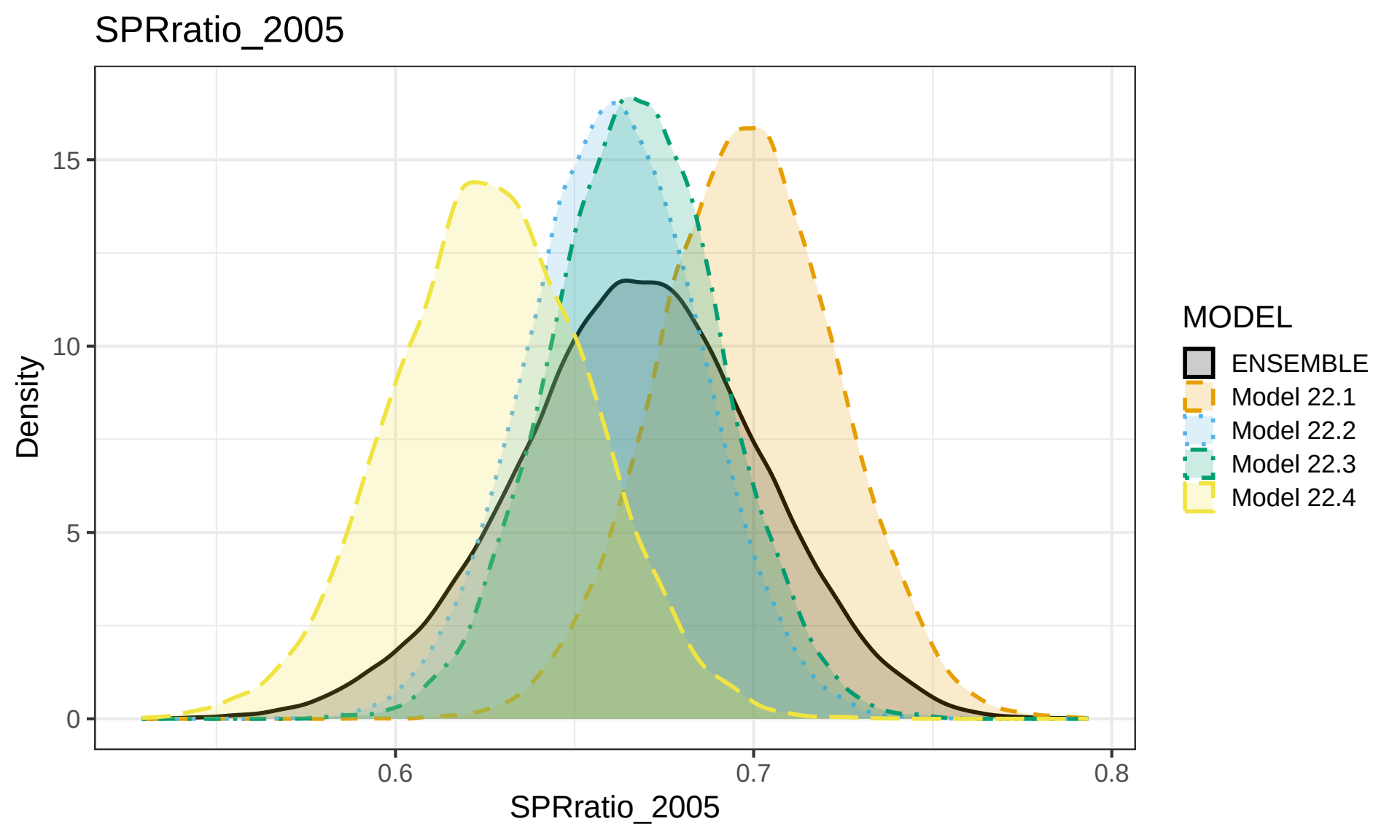
Model 22.4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SPRratio_2005
MODEL
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Model 22.1
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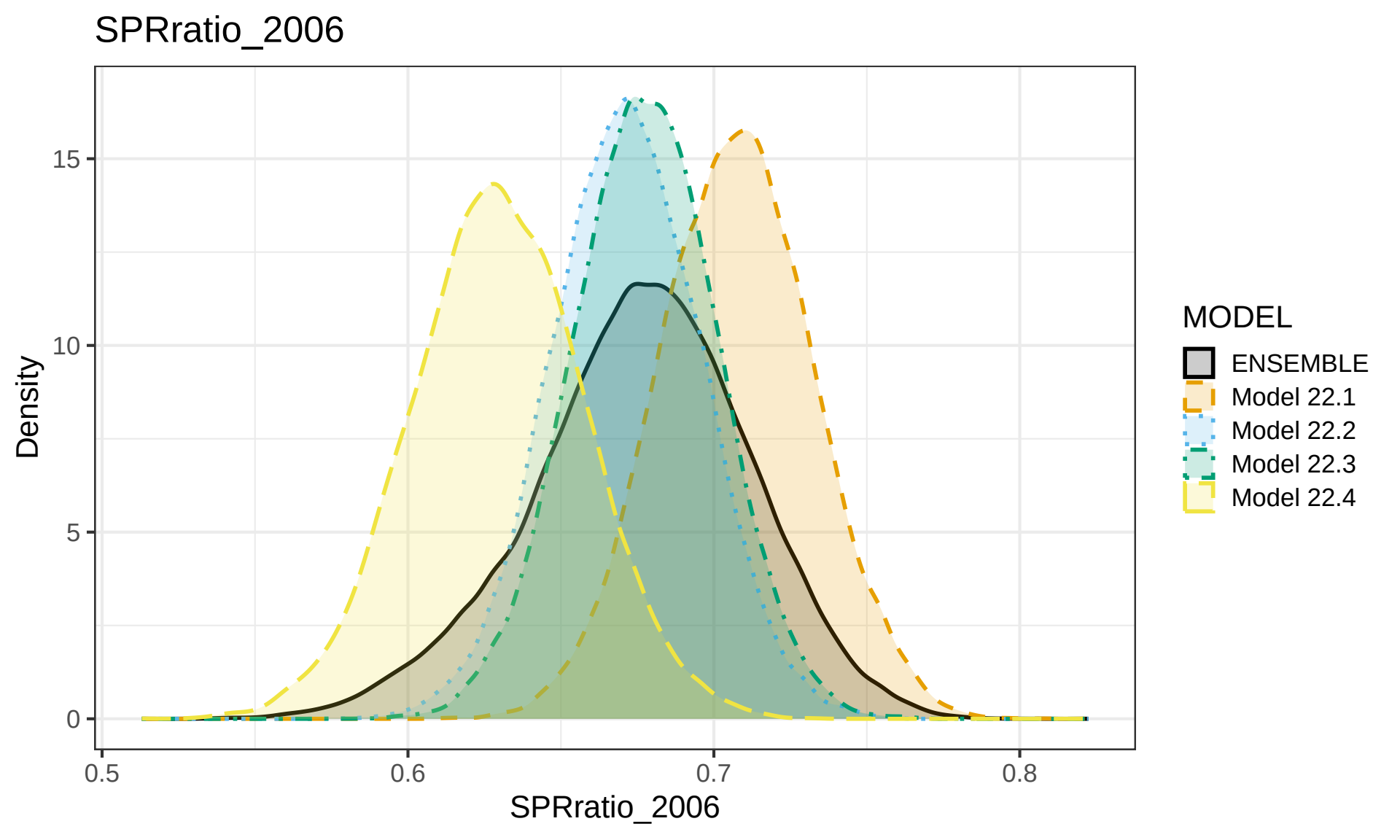
Model 22.4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SPRratio_2006
MODEL
ENSEMBLE
Model 22.1
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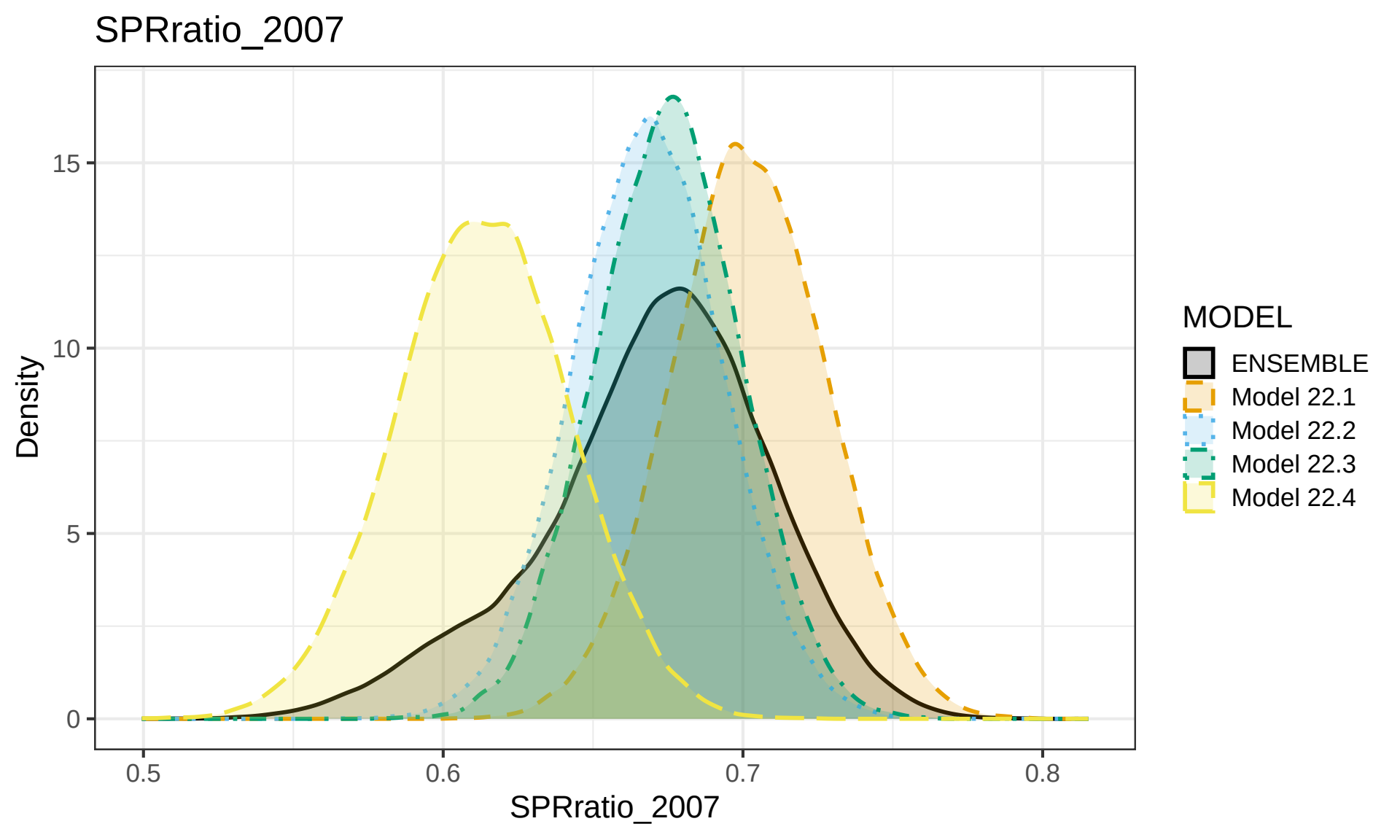
Model 22.3
Model 22.4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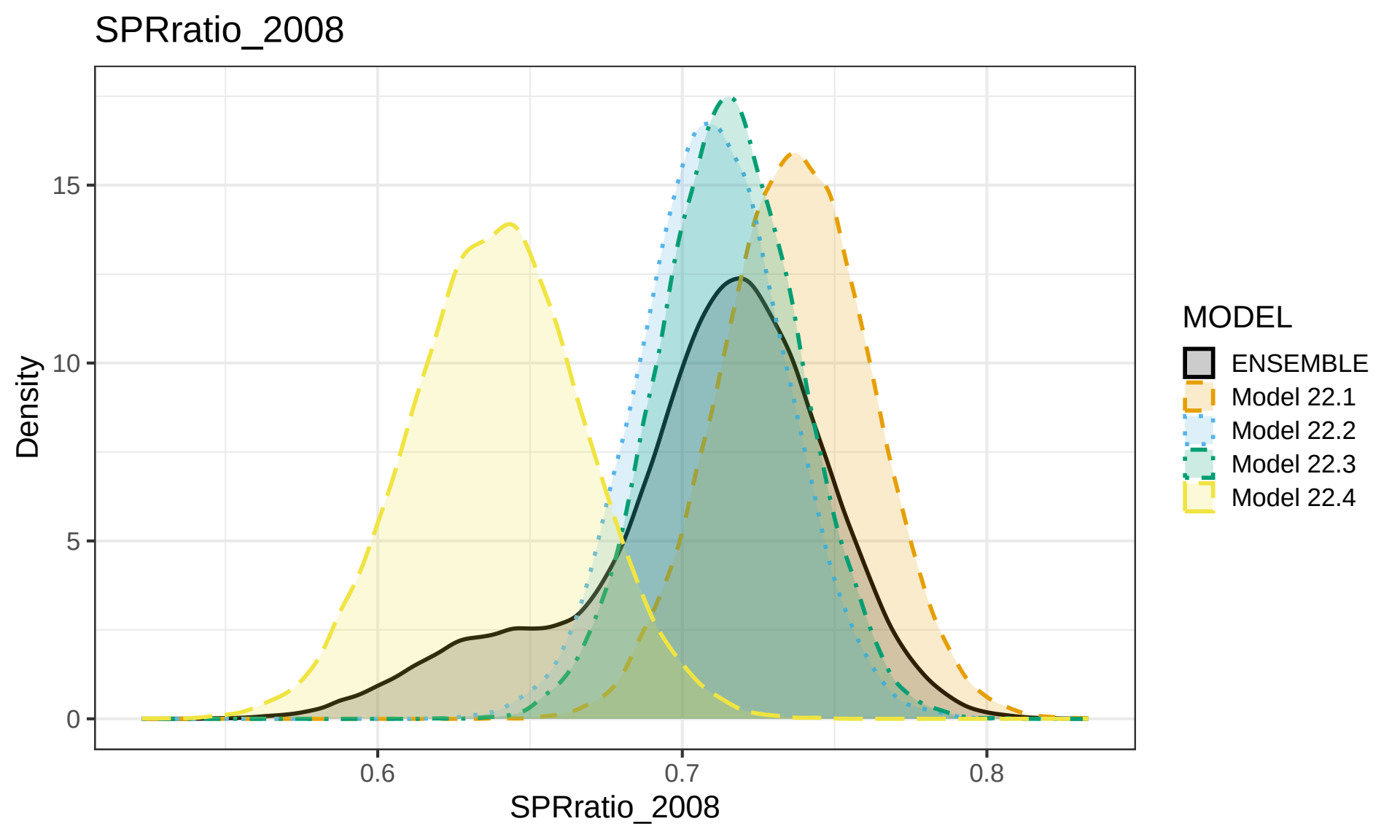
SPRratio_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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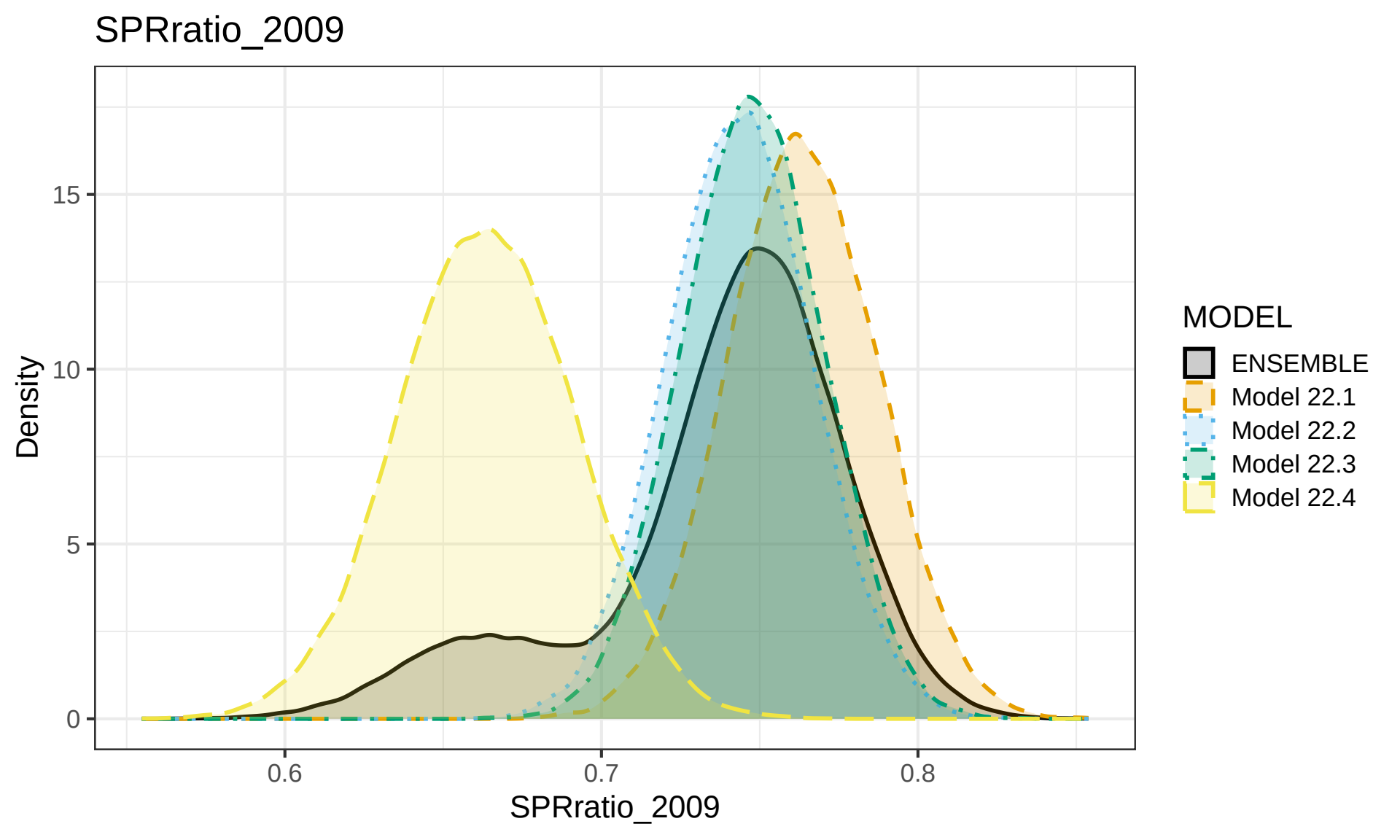
SPRratio_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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SPRratio_2009
MODEL
ENSEMBLE
Model 22.1
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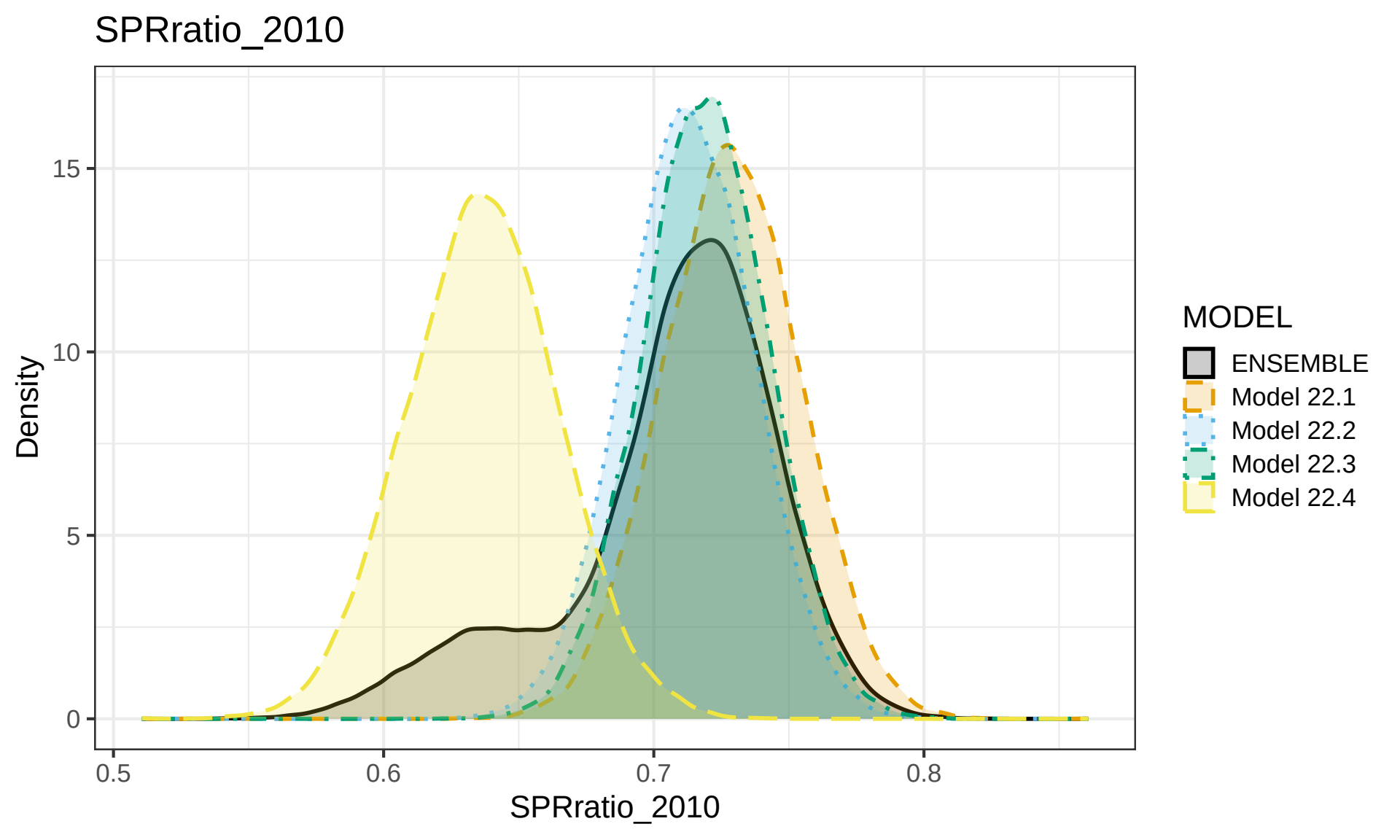
Model 22.3
Model 22.4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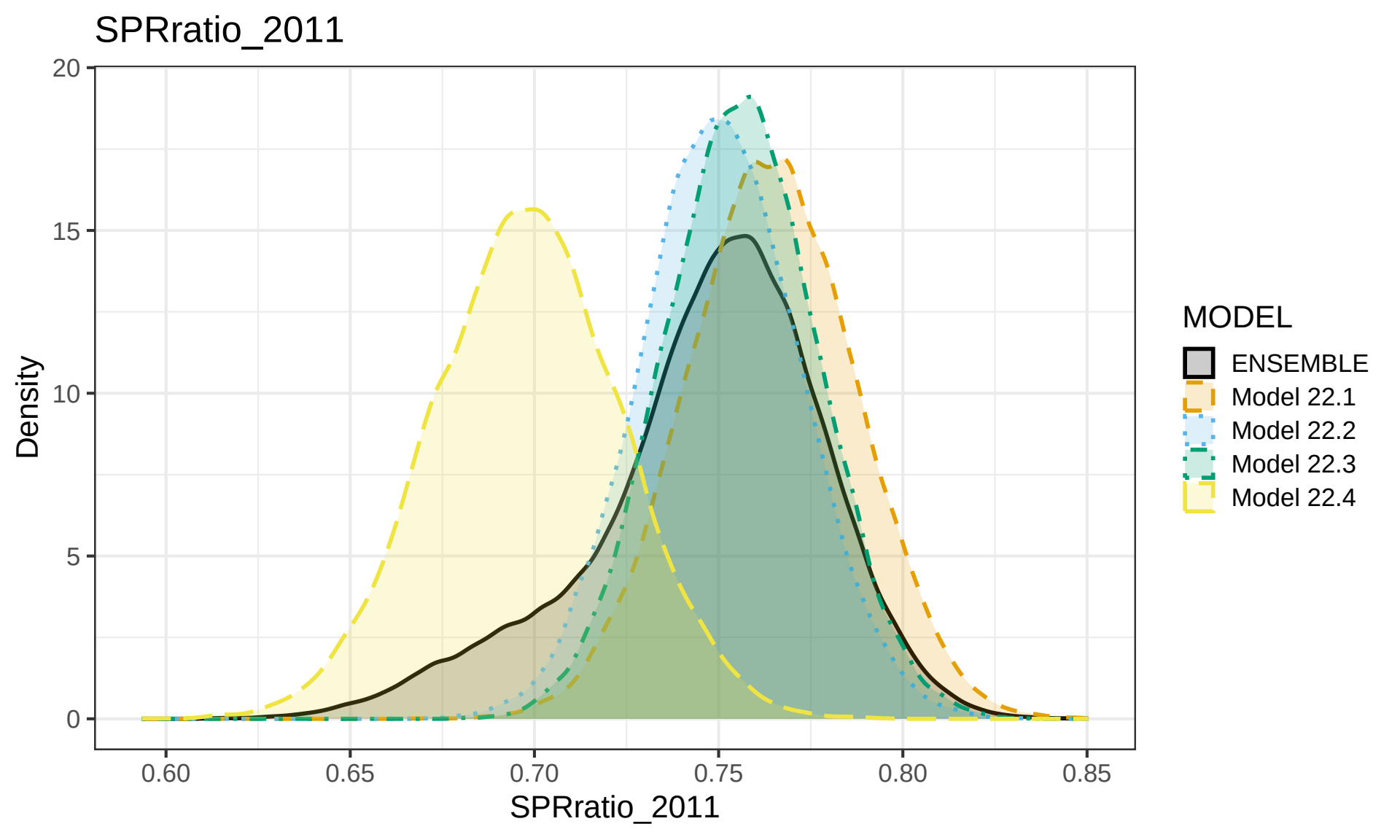
SPRratio_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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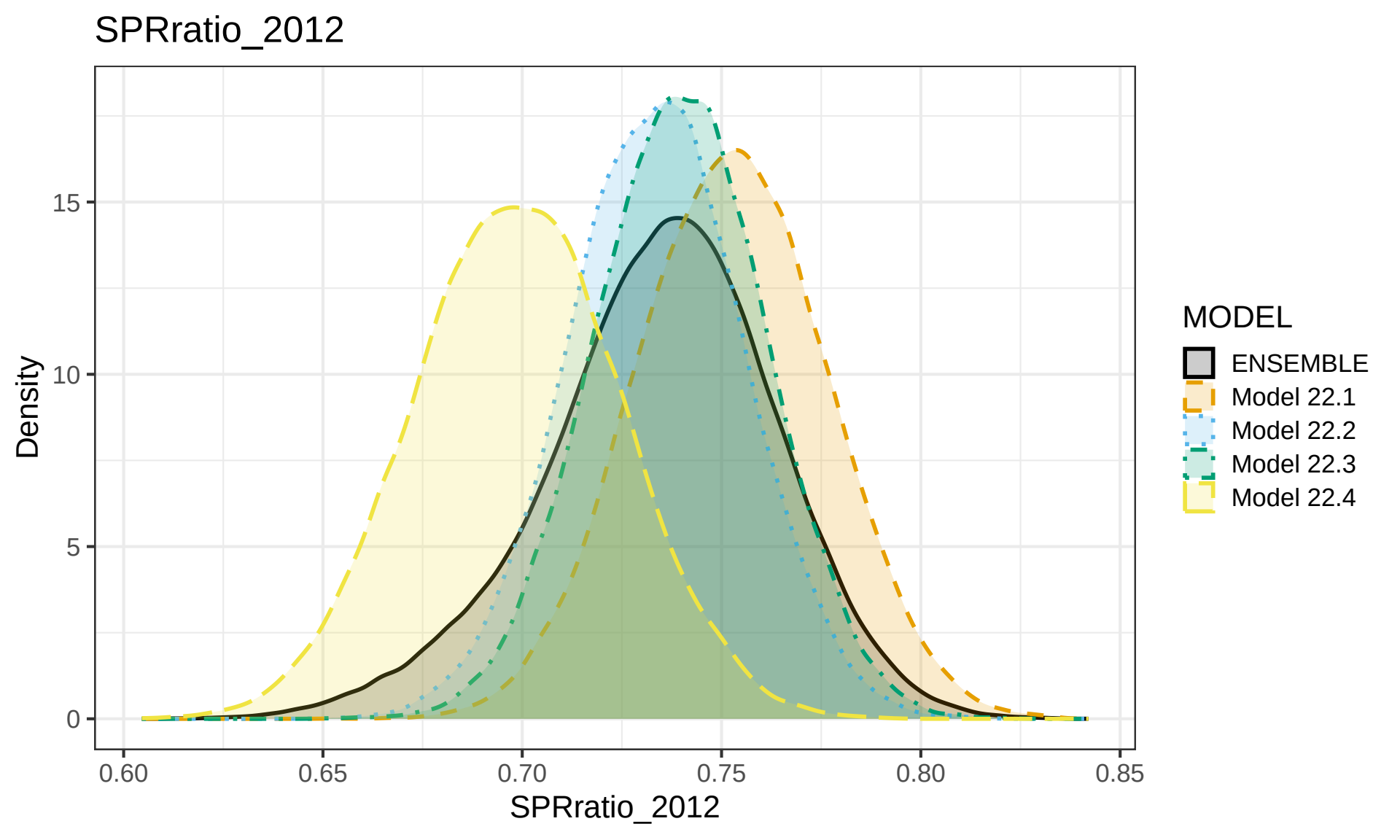
SPRratio_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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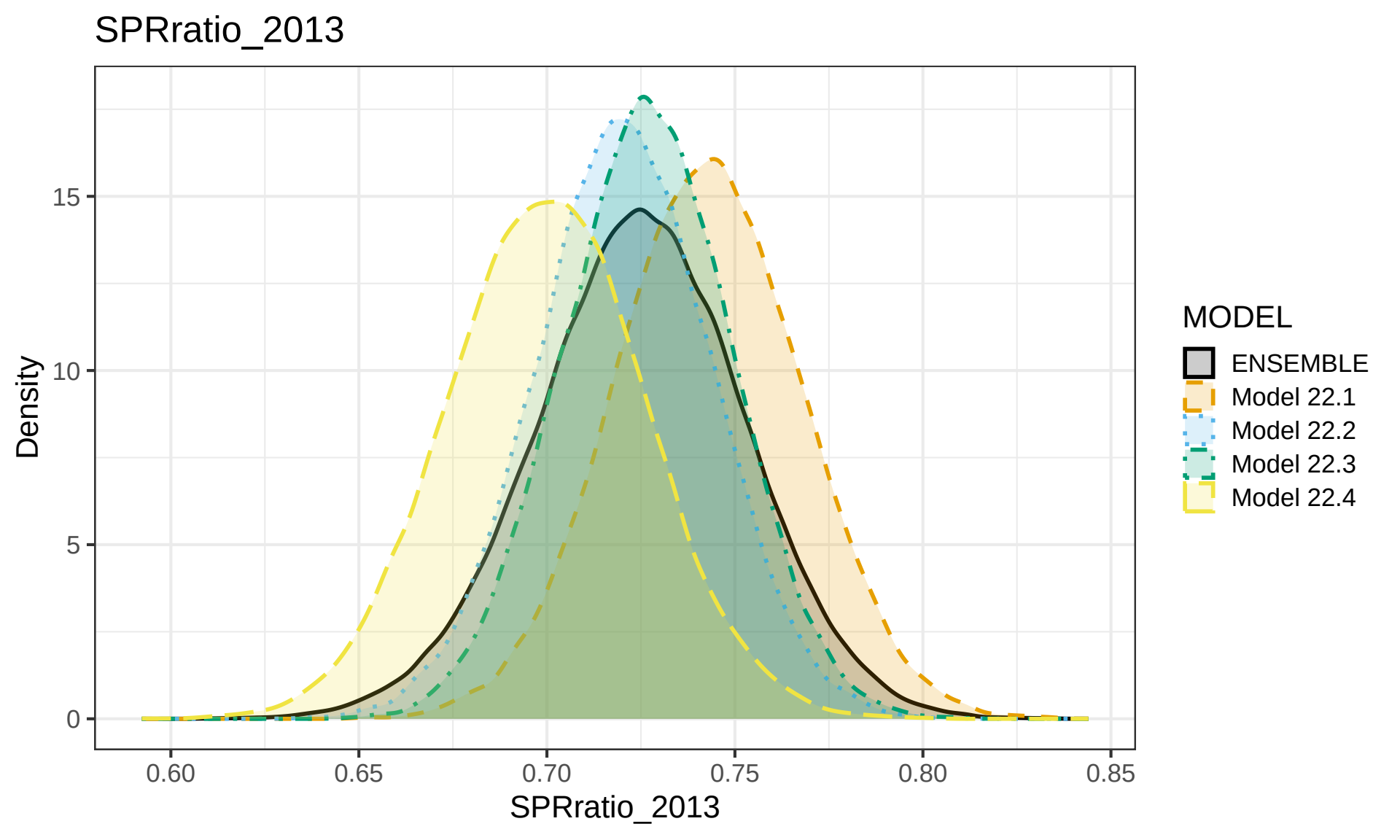
SPRratio_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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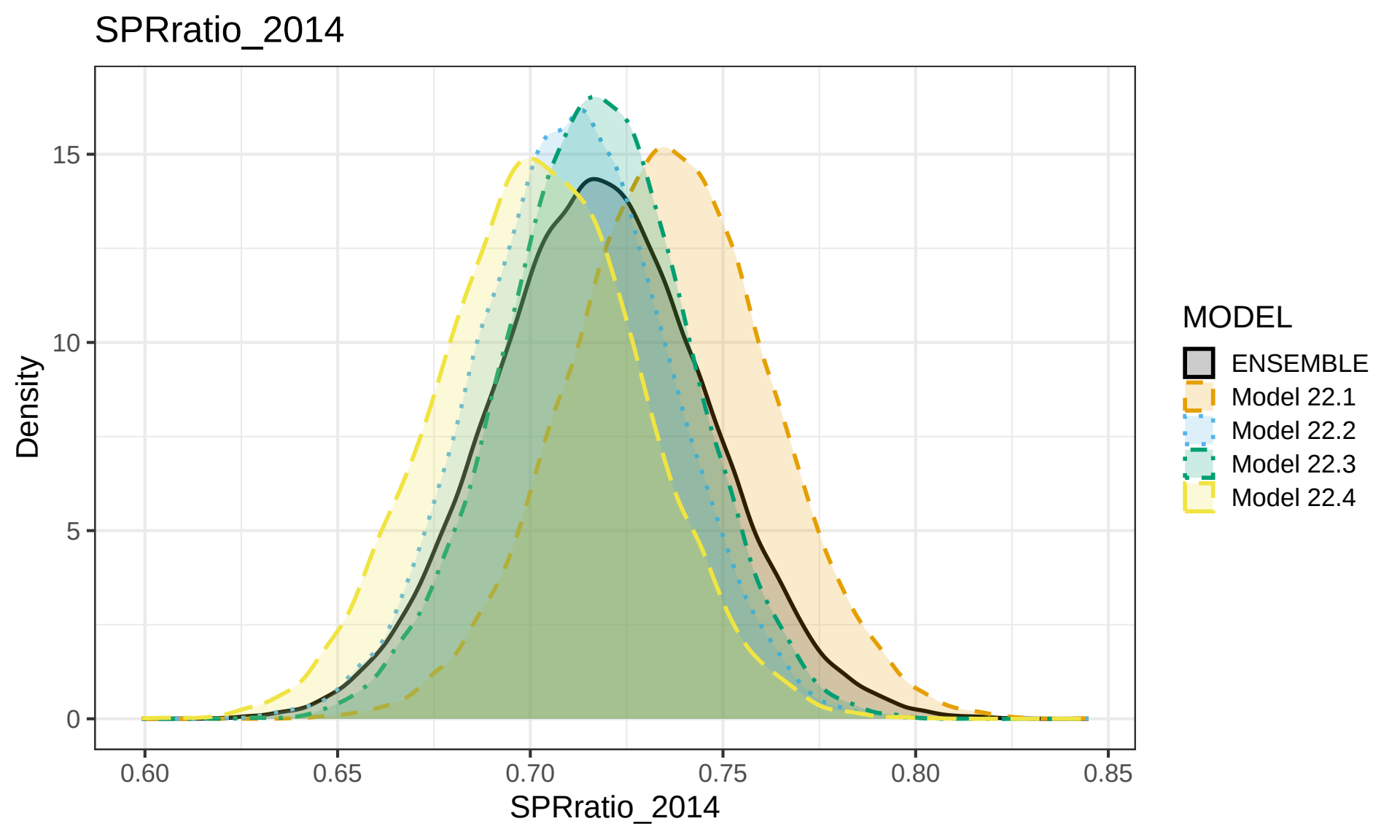
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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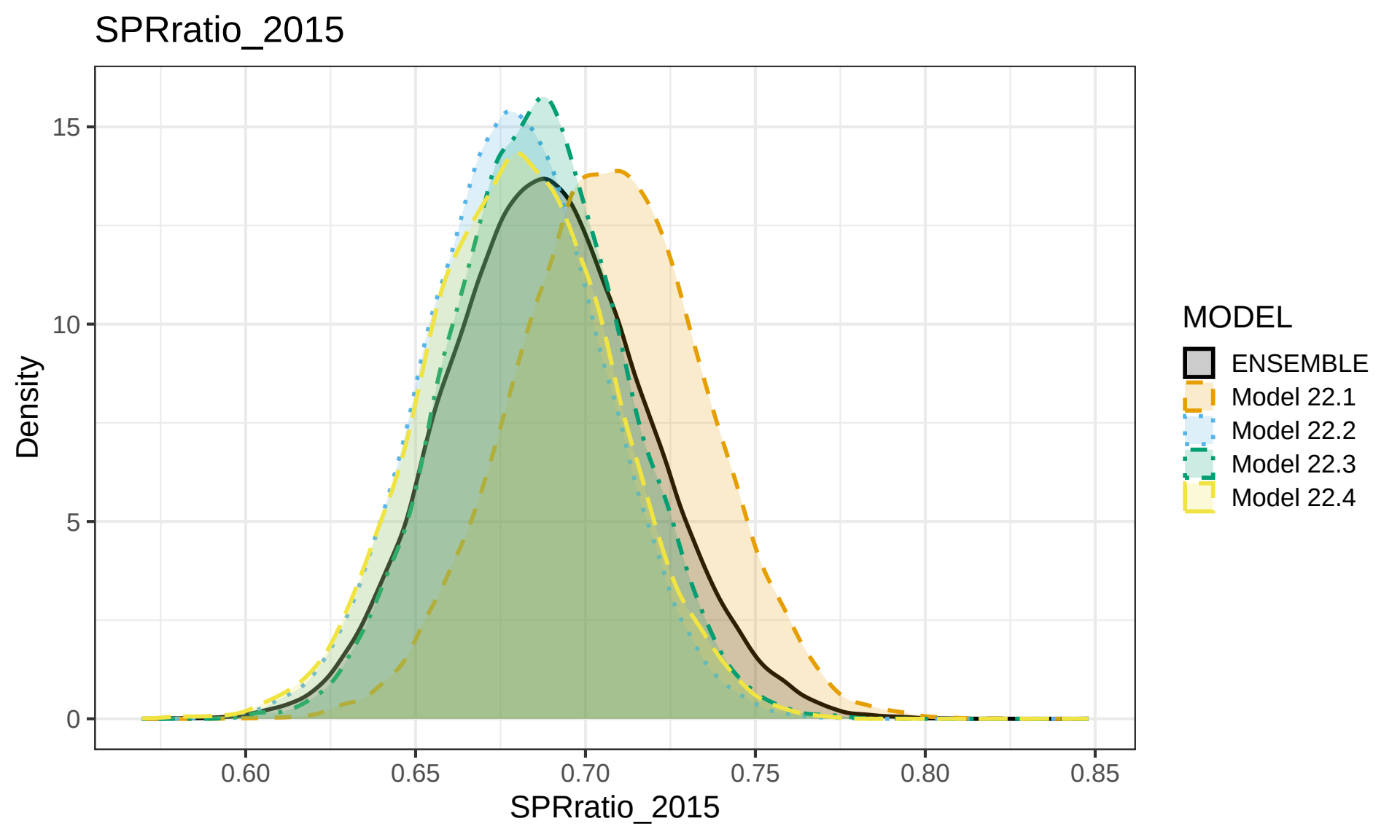
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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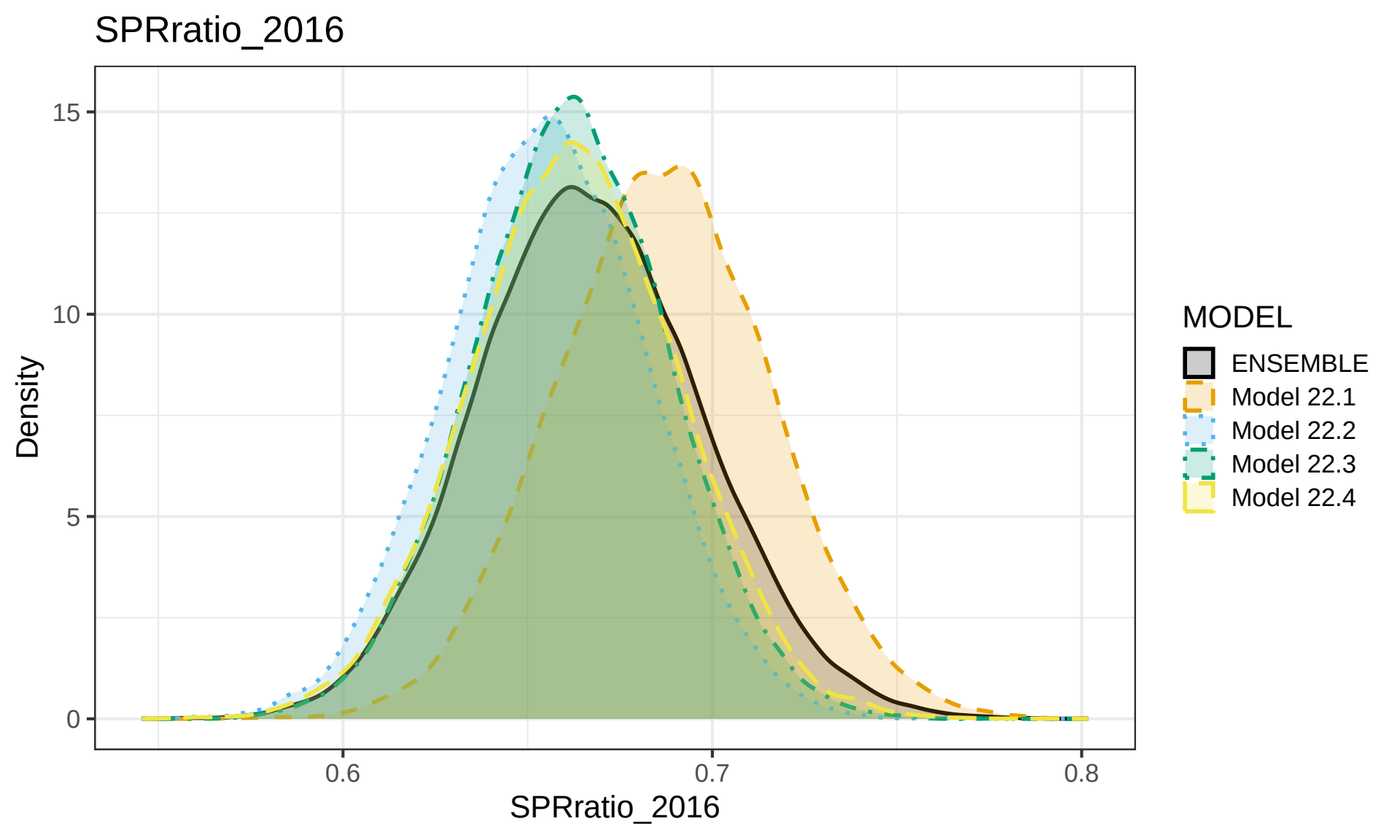
SPRratio_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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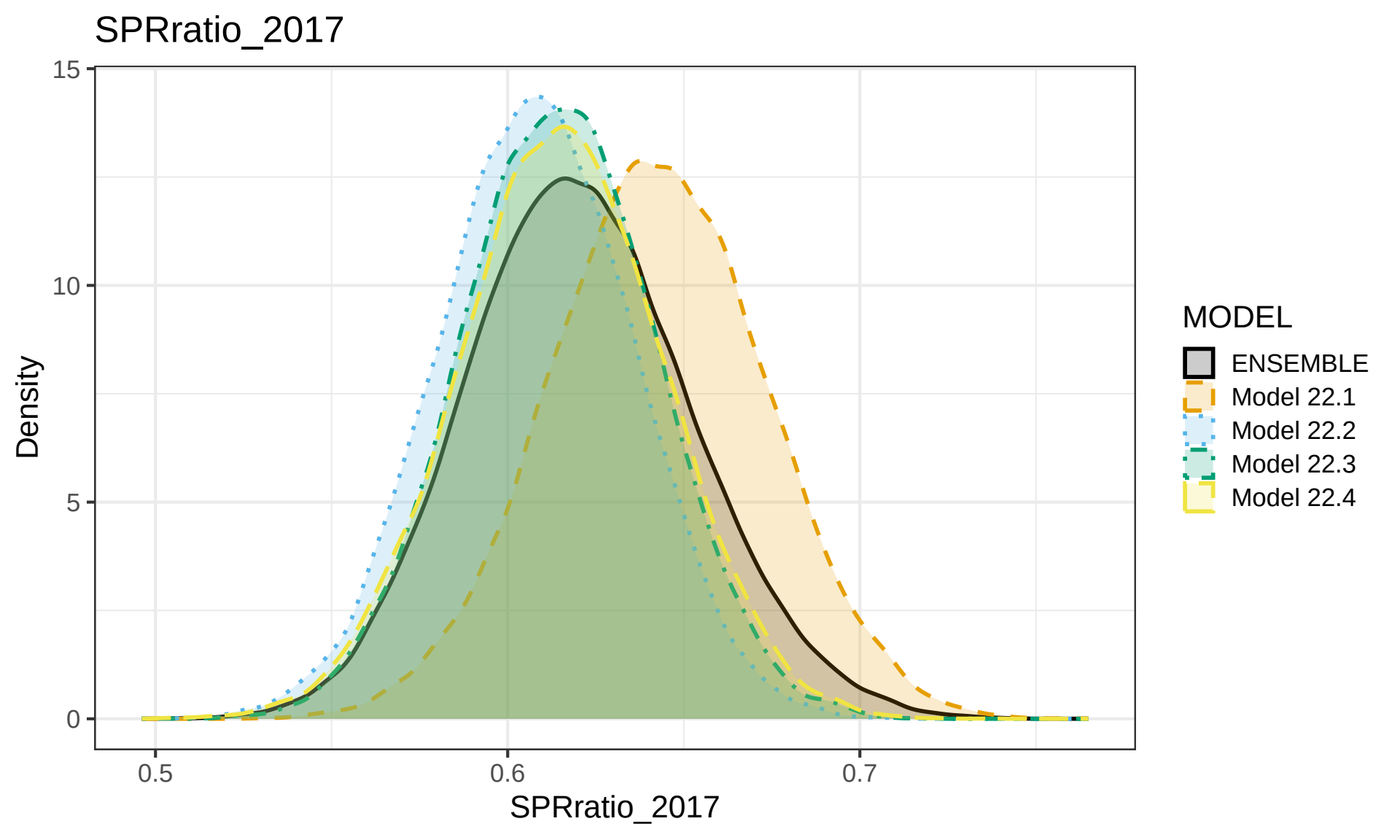
SPRratio_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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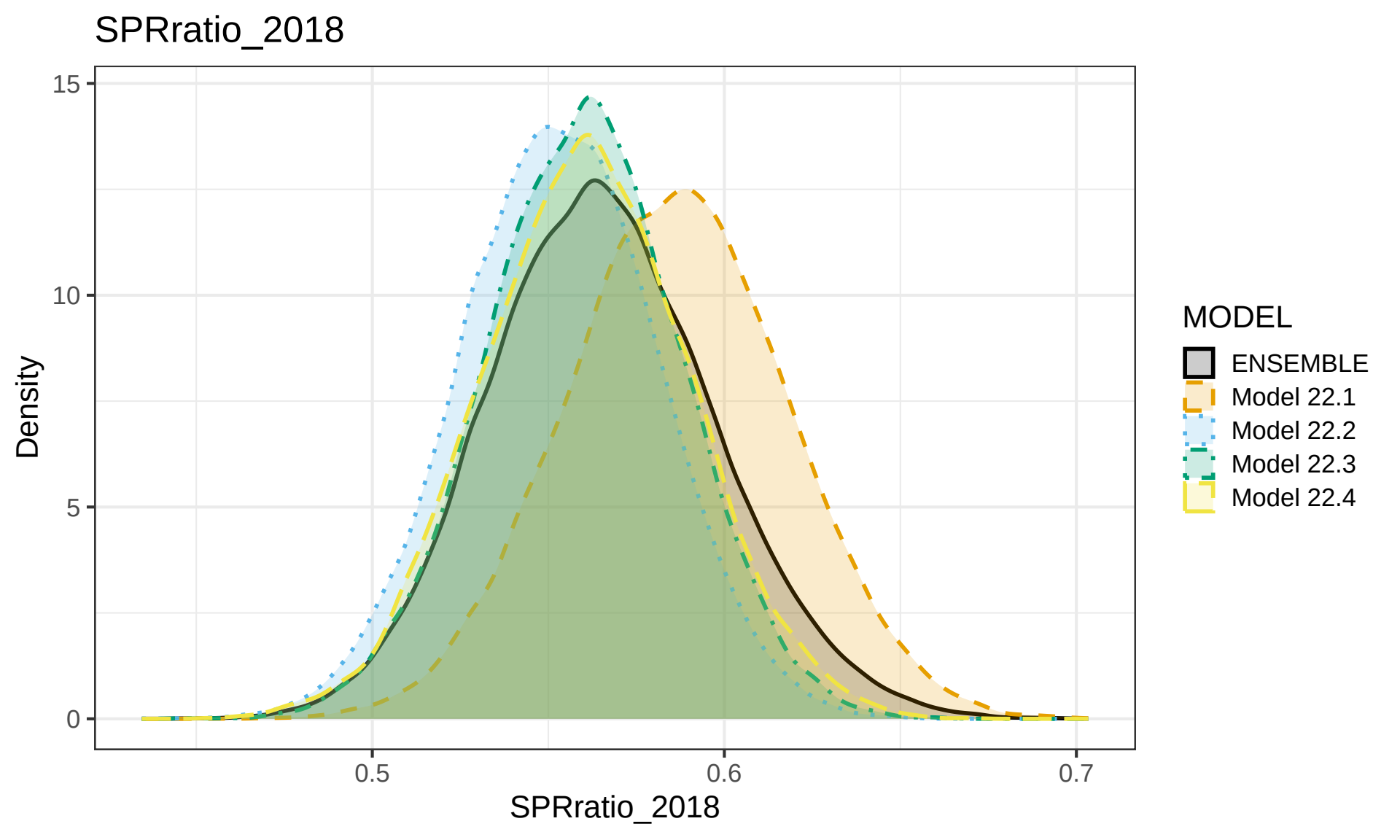
SPRratio_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2018
15
10
5
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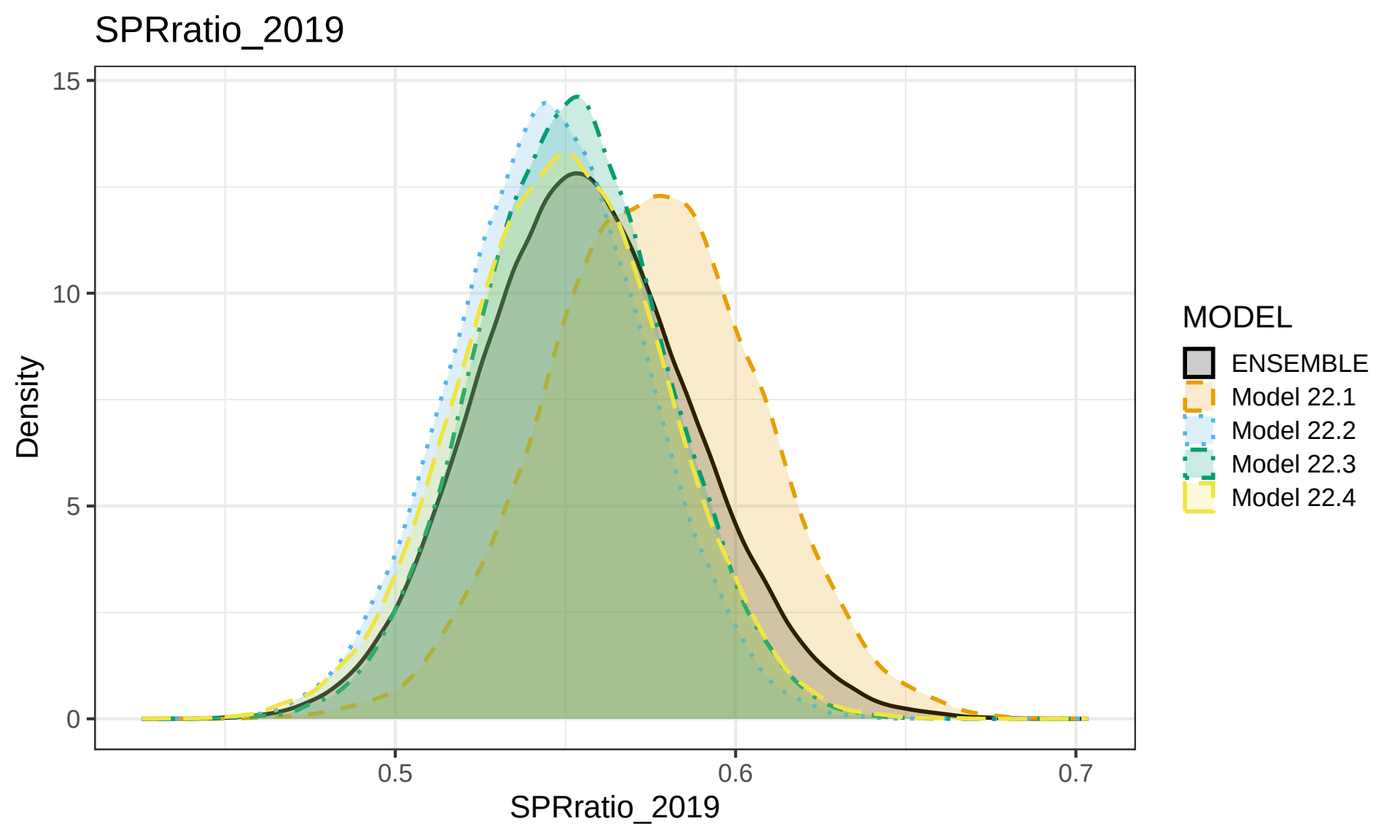
Density
0.5
0.6
0.7
SPRratio_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2019
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Density
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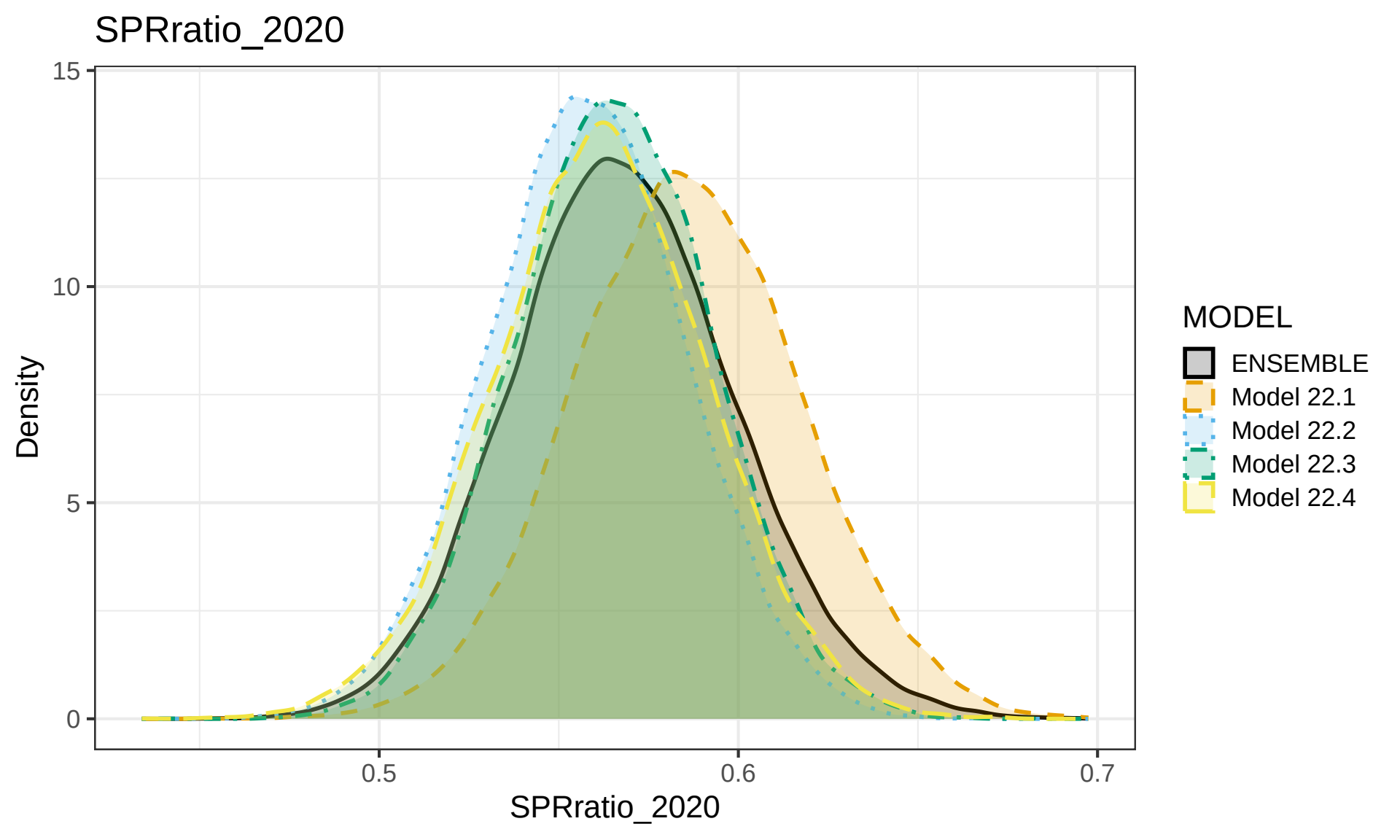
0.6
0.7
SPRratio_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2020
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Density
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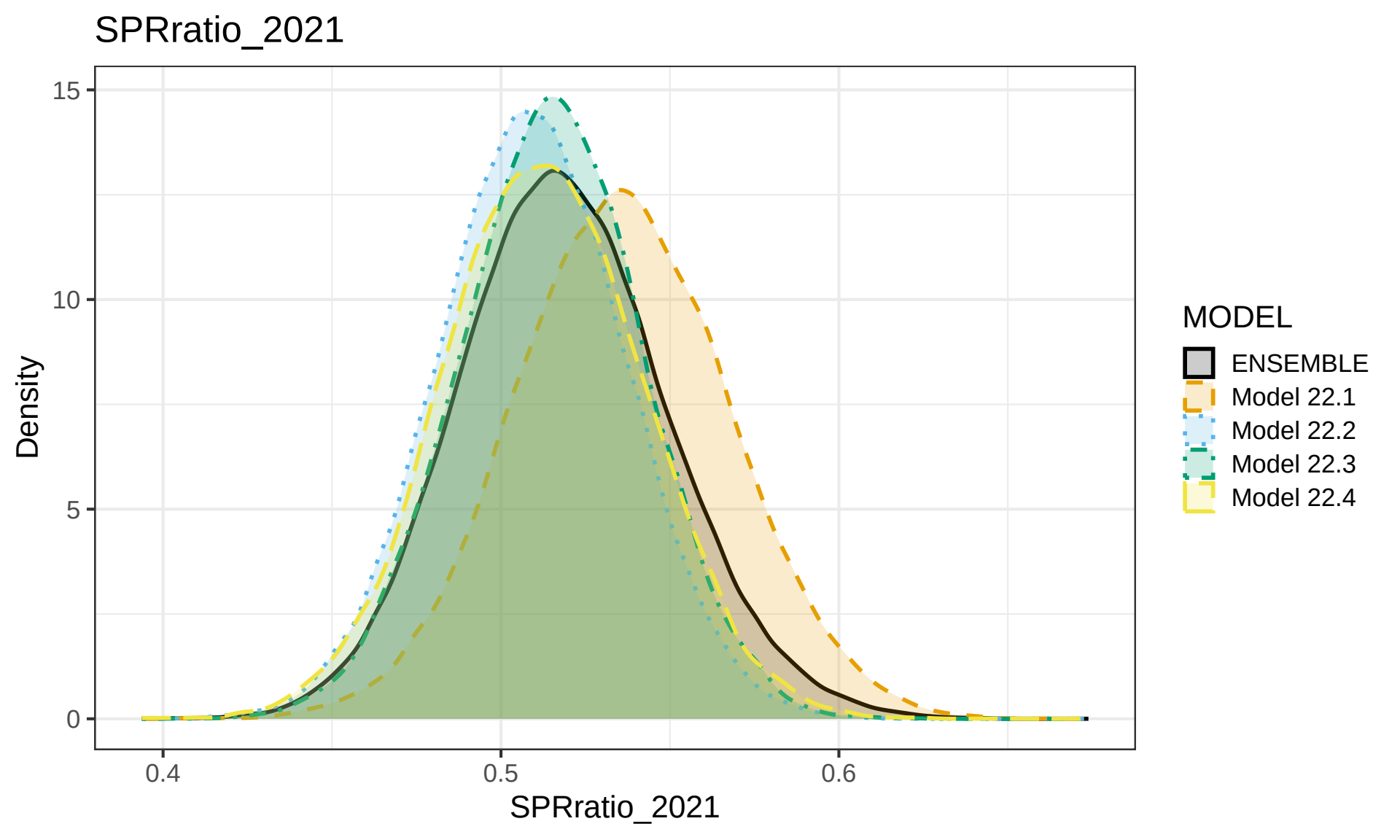
SPRratio_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2021
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Density
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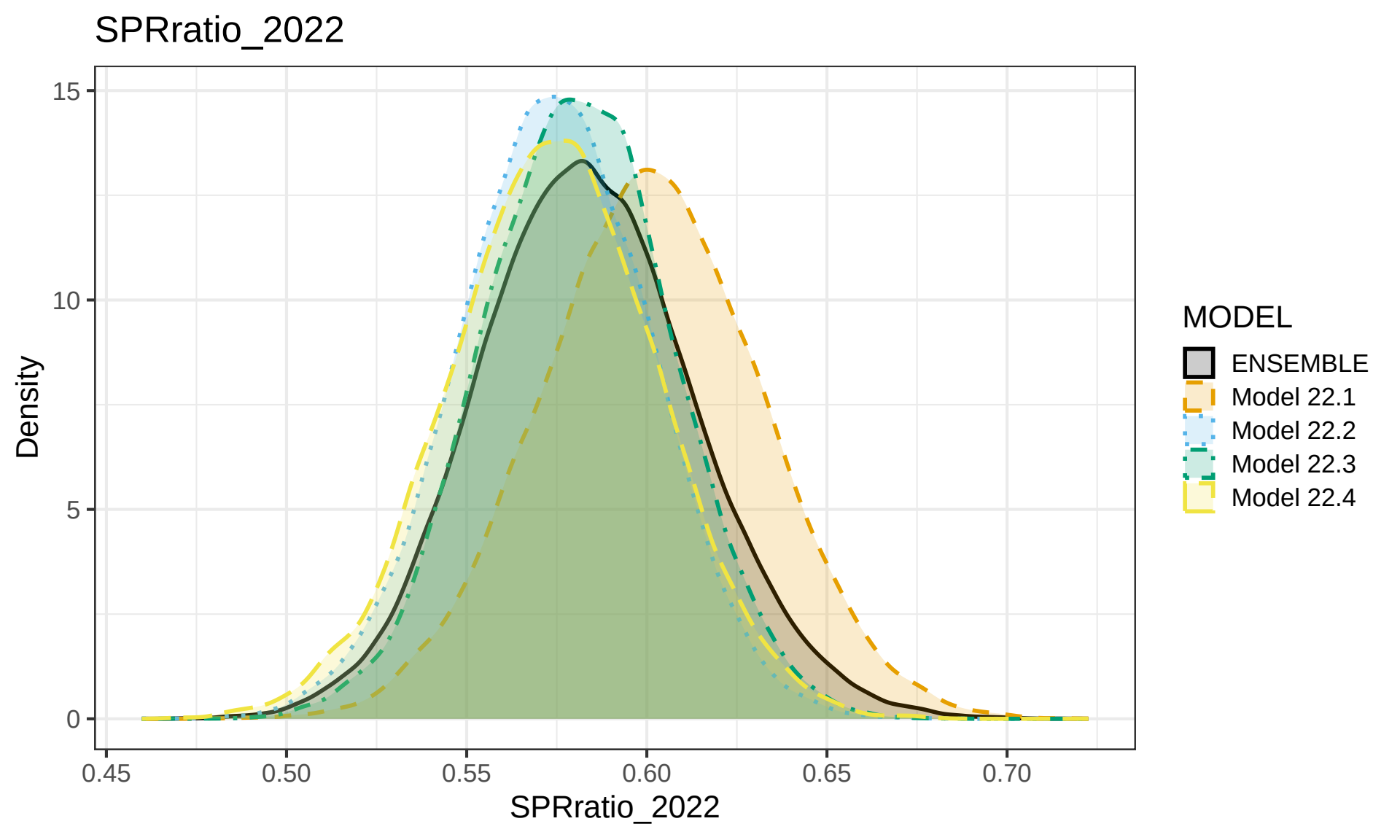
SPRratio_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2022
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Density
0.45
0.50
0.55
0.60
0.65
0.70
SPRratio_2022
MODEL
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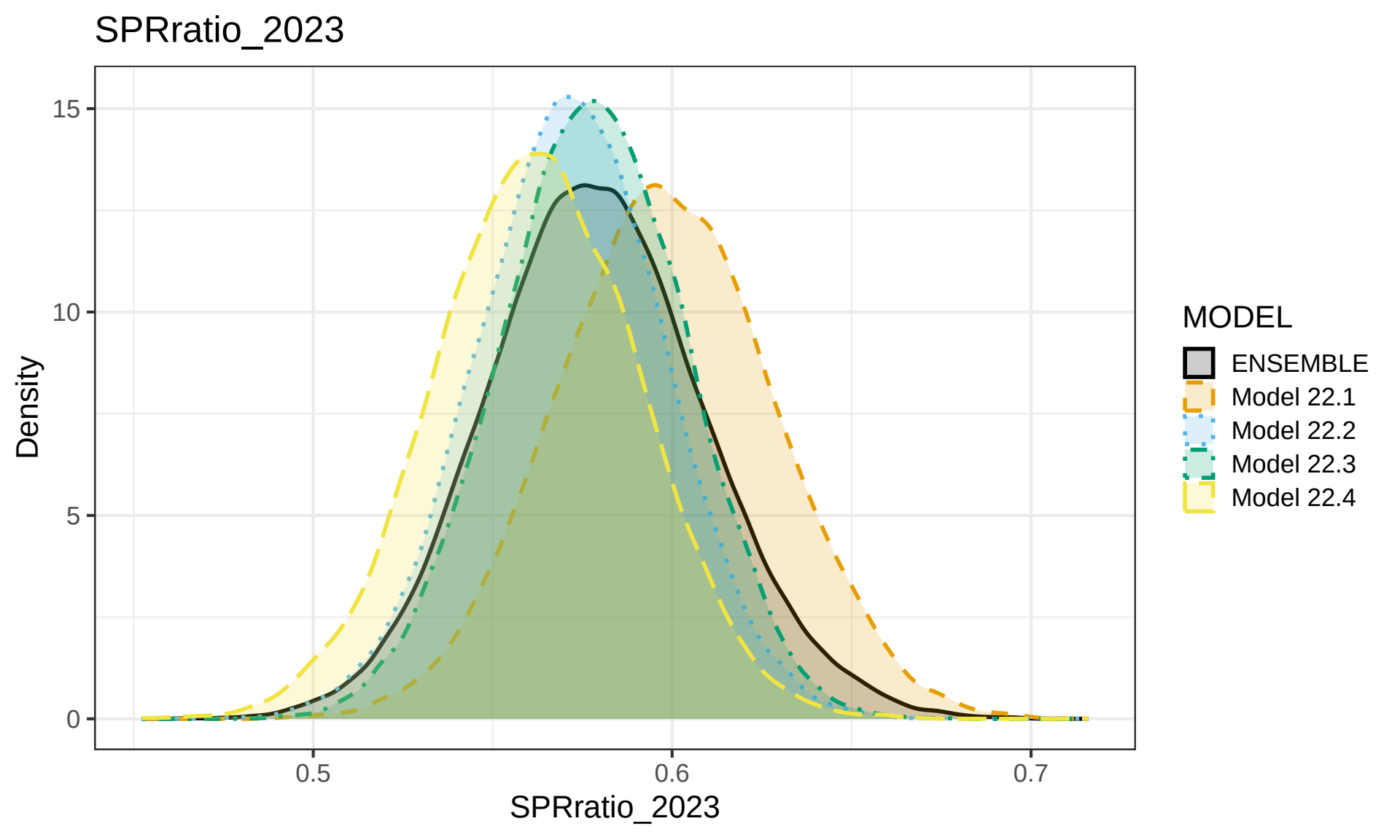
Model 22.3
Model 22.4


SPRratio_2023
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10
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Density
0.5
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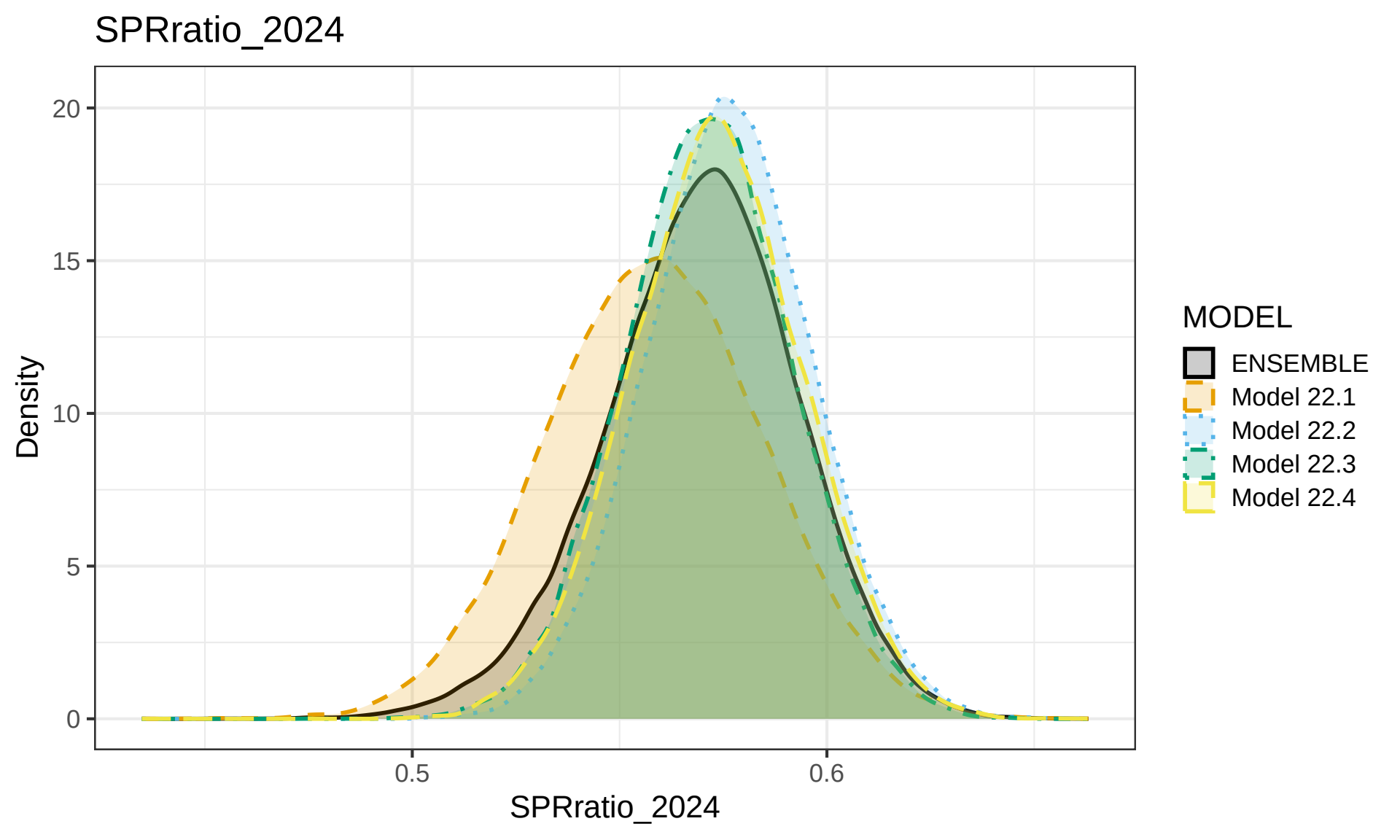
0.7
SPRratio_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2024
20
15
10
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Density
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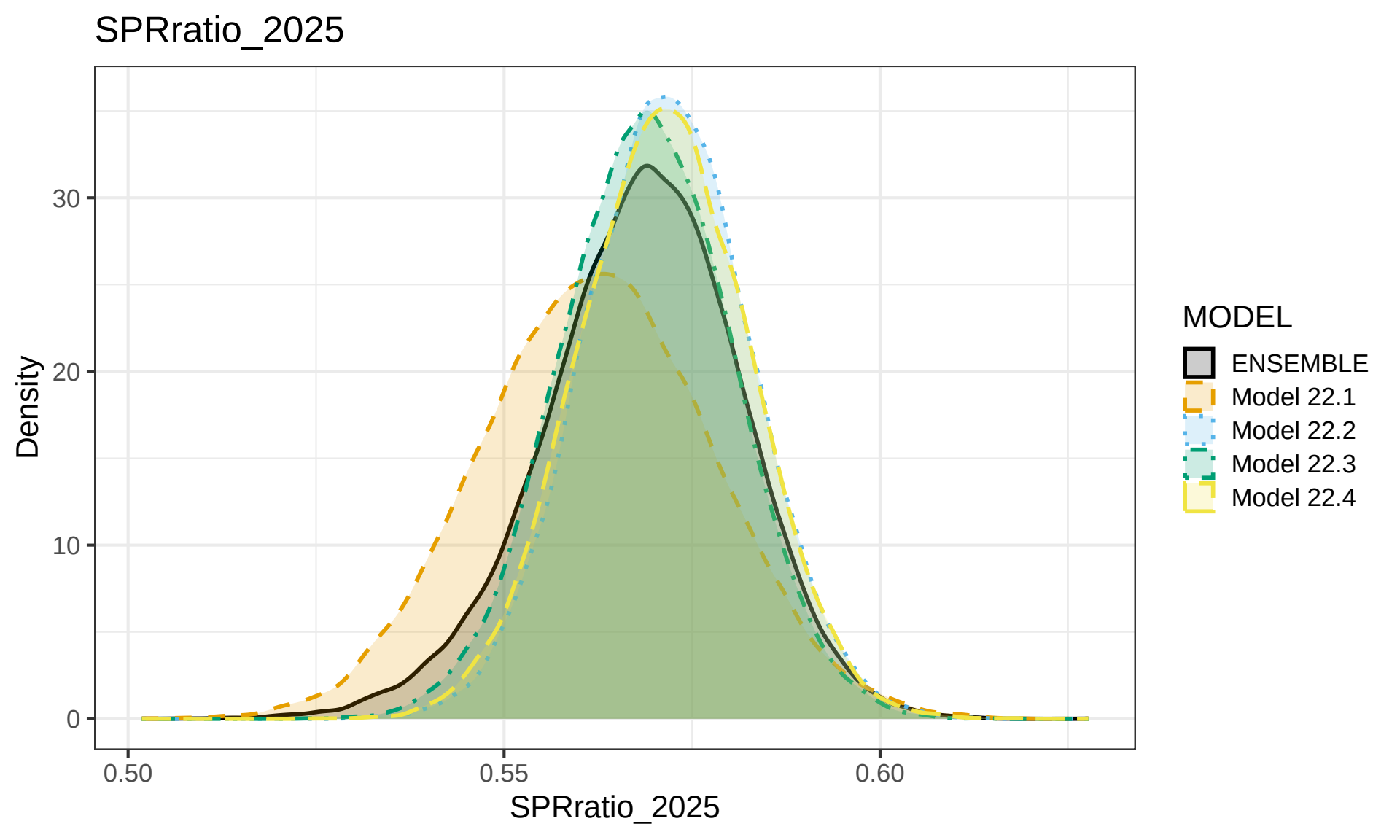
0.6
SPRratio_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2025
Density
30
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0.50
0.55
0.60
SPRratio_2025
MODEL
ENSEMBLE
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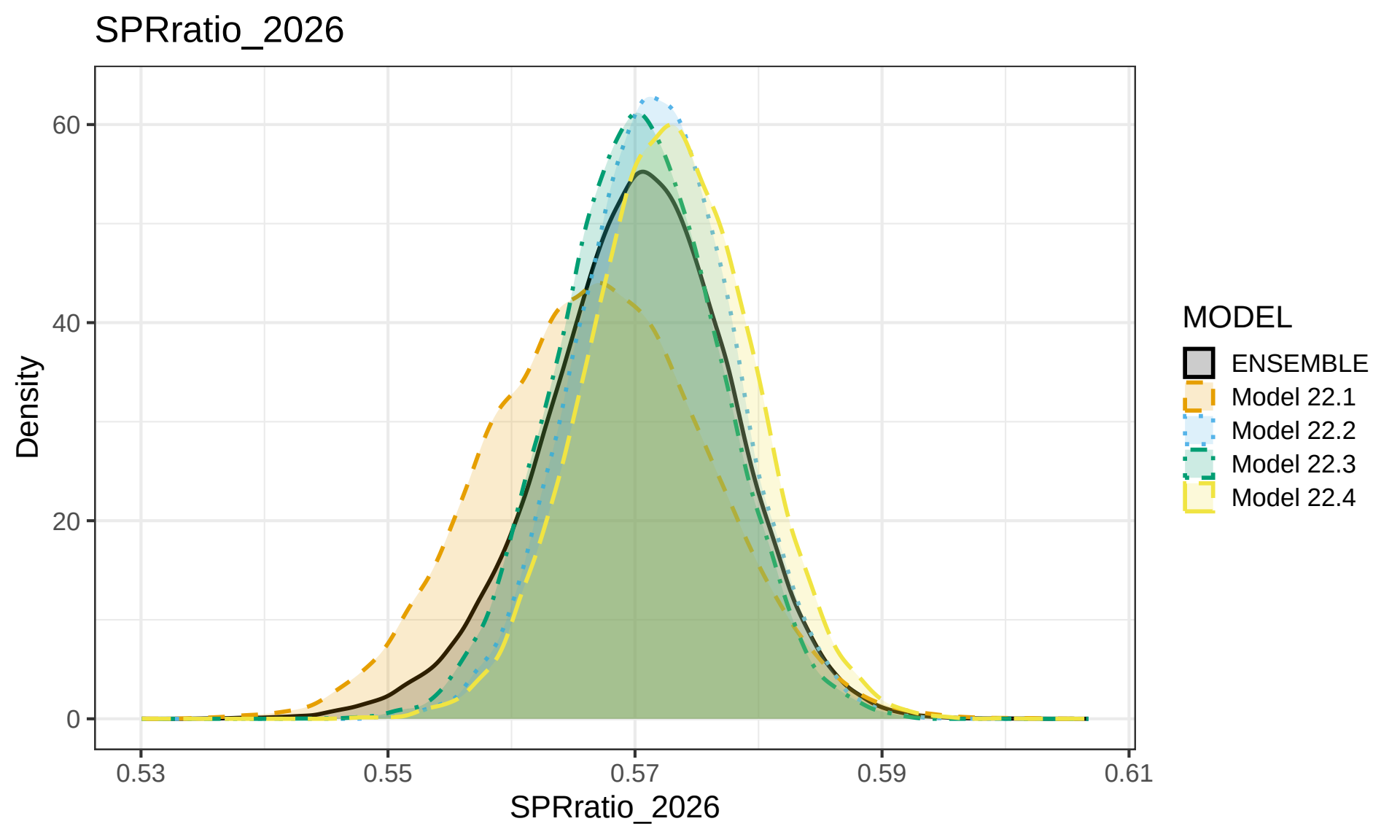
Model 22.3
Model 22.4


SPRratio_2026
Density
60
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0.53
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0.57
0.59
0.61
SPRratio_2026
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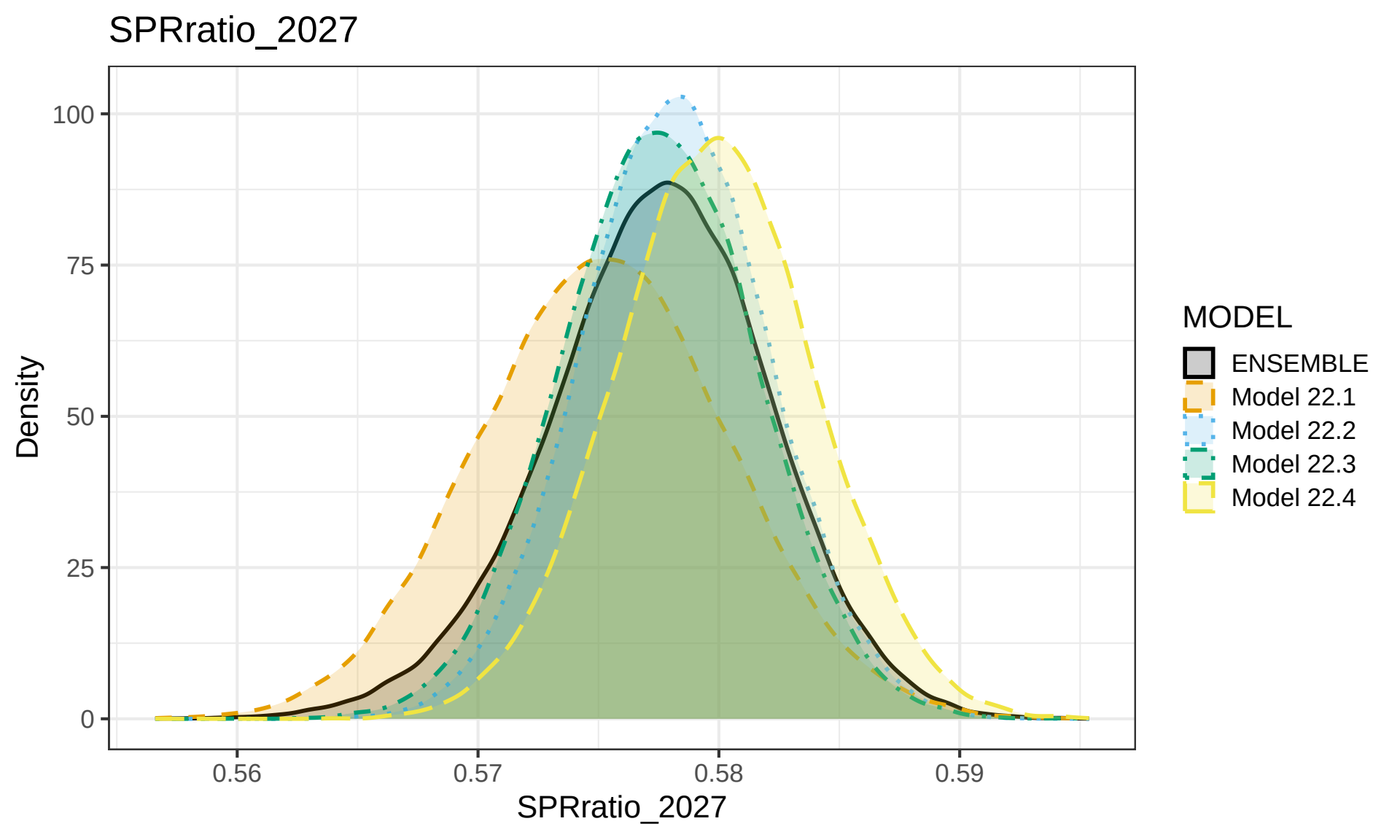
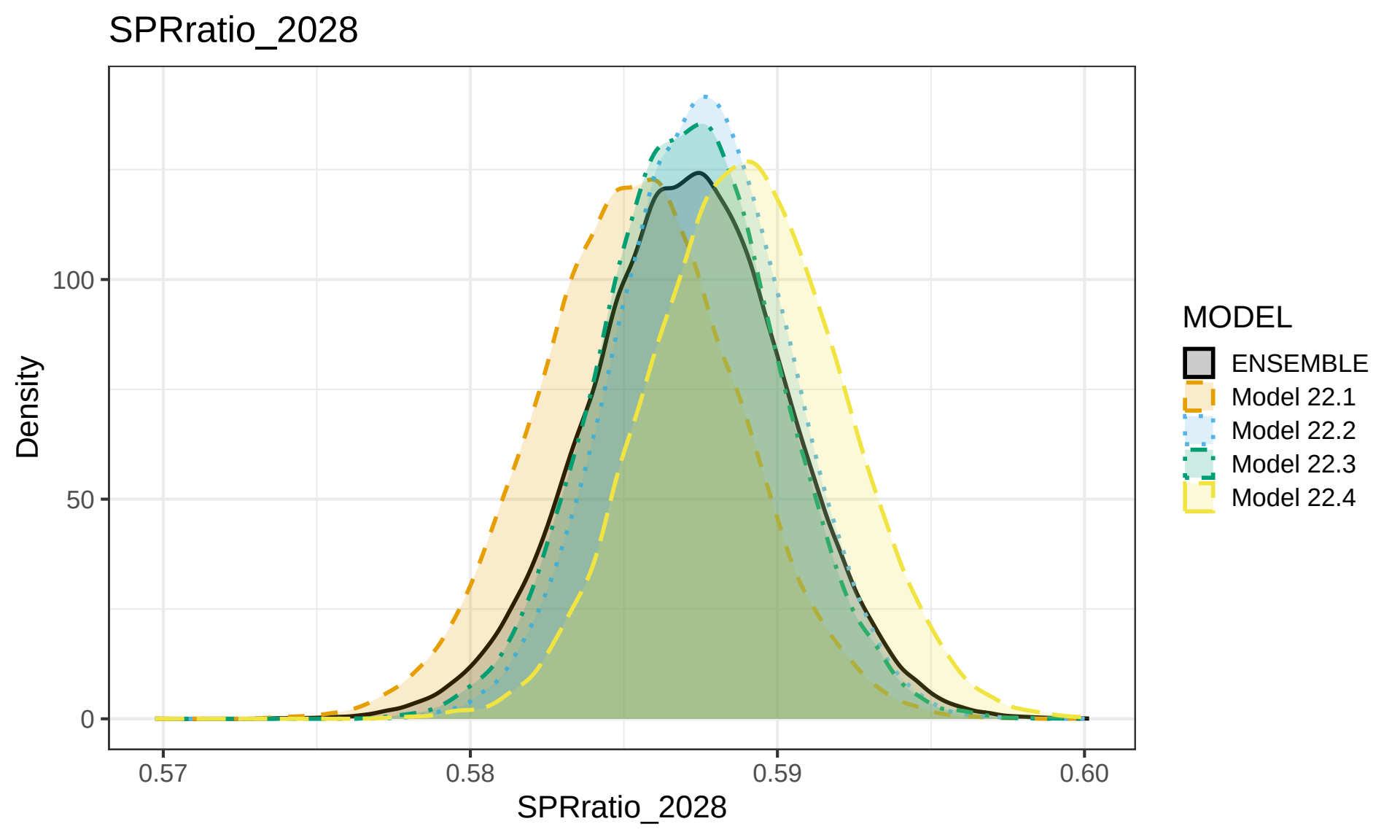
Model 22.3
Model 22.4


SPRratio_2027
Density
100
75
50
25
0
0.56
0.57
0.58
0.59
SPRratio_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2028
Density
100
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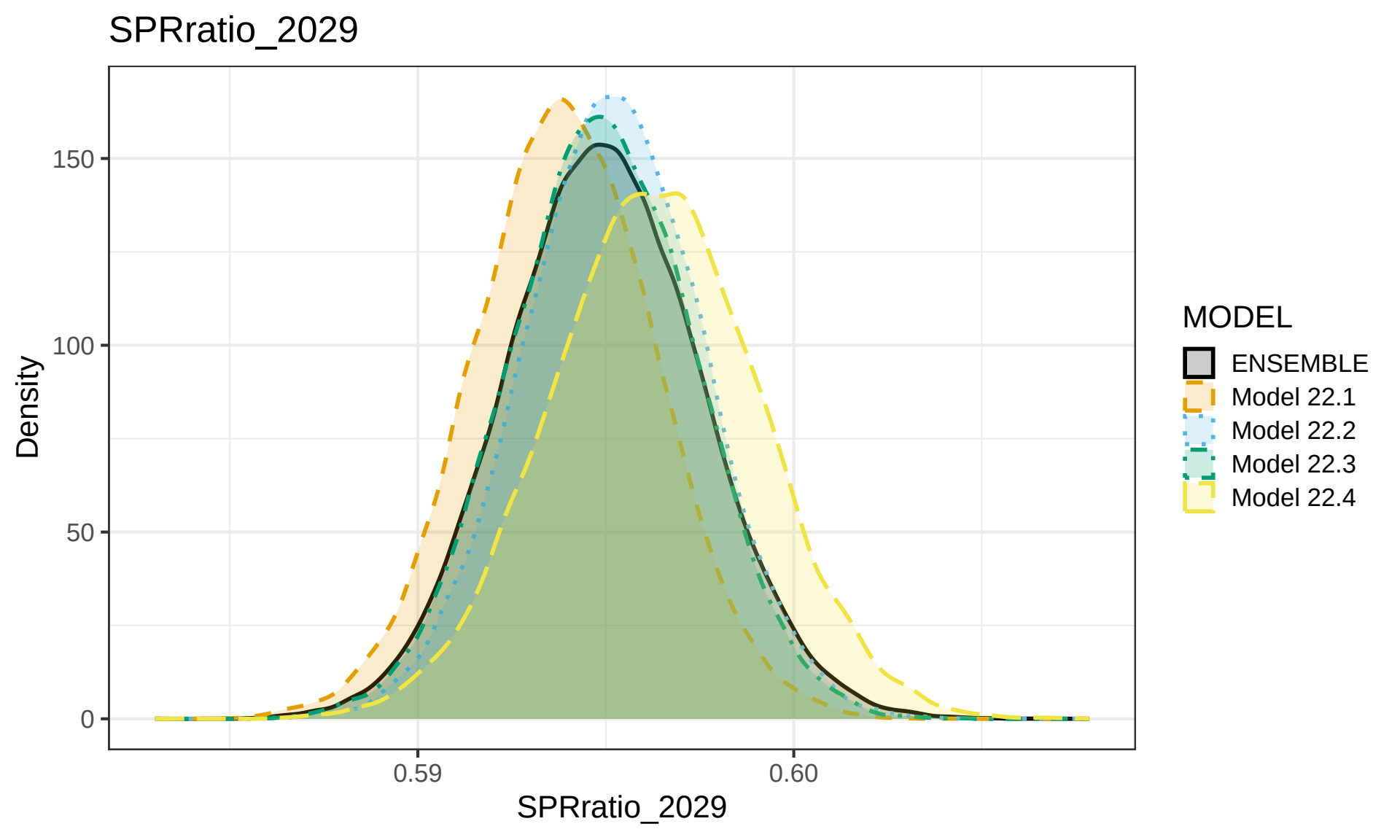
0.58
0.59
0.60
SPRratio_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2029
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Density
0.59
0.60
SPRratio_2029
MODEL
ENSEMBLE
Model 22.1
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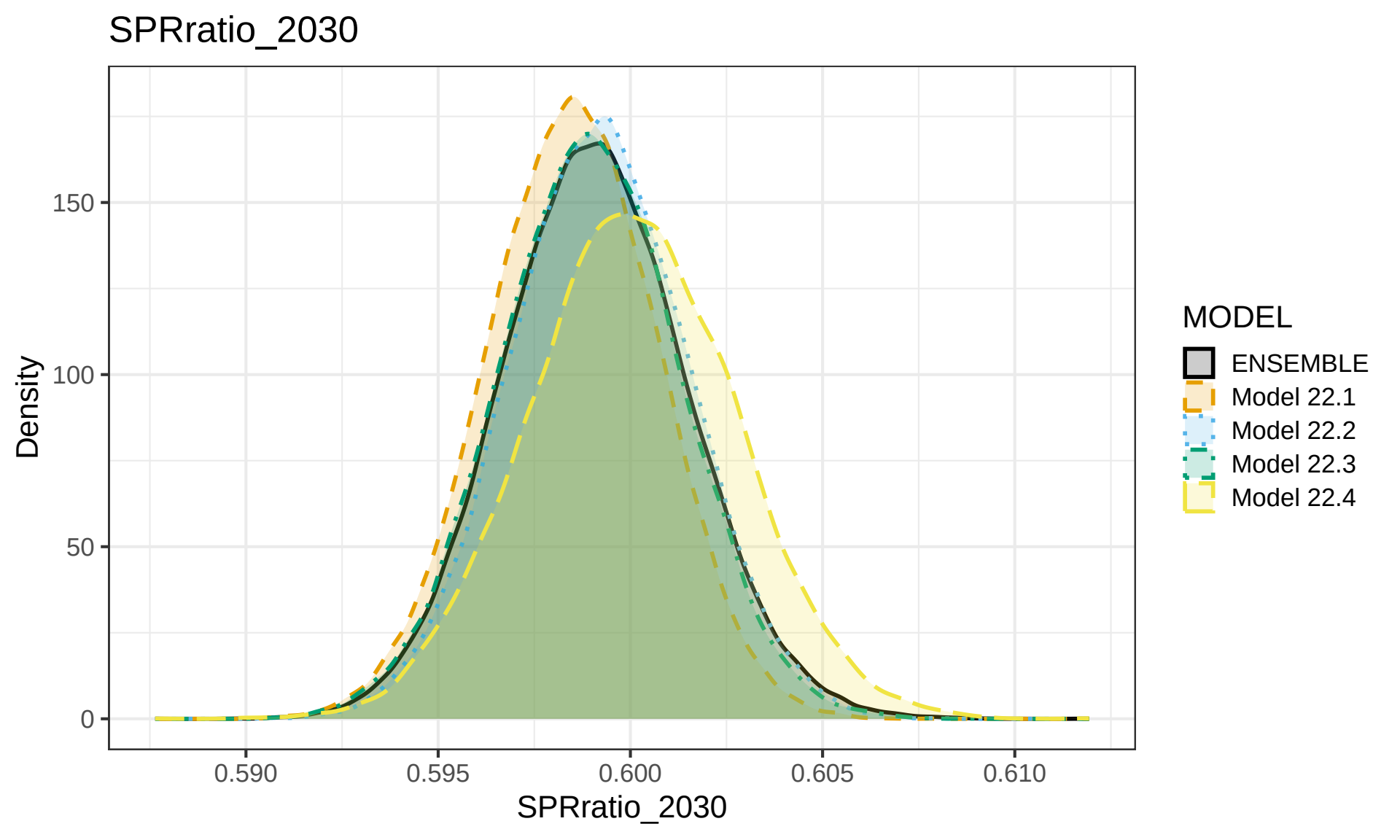
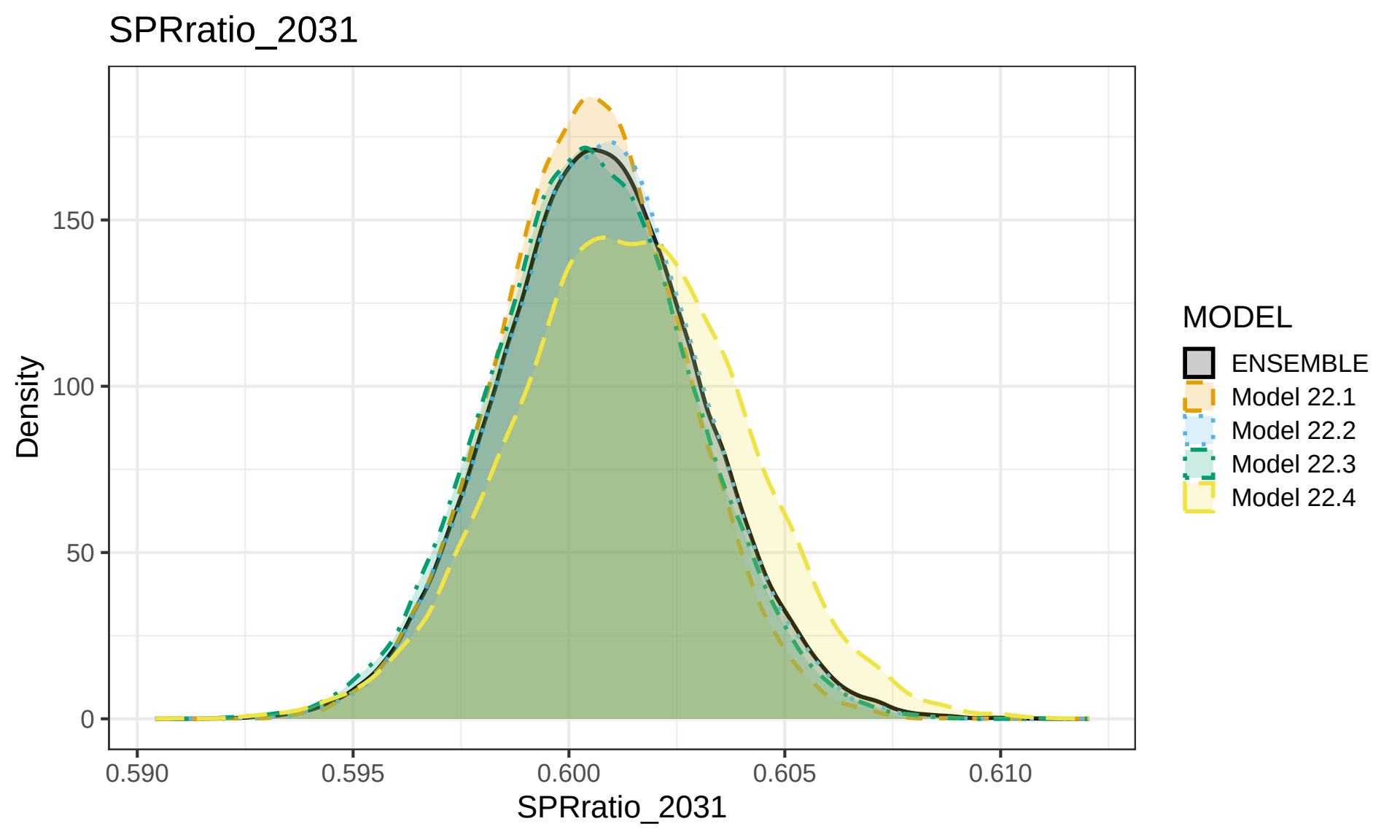
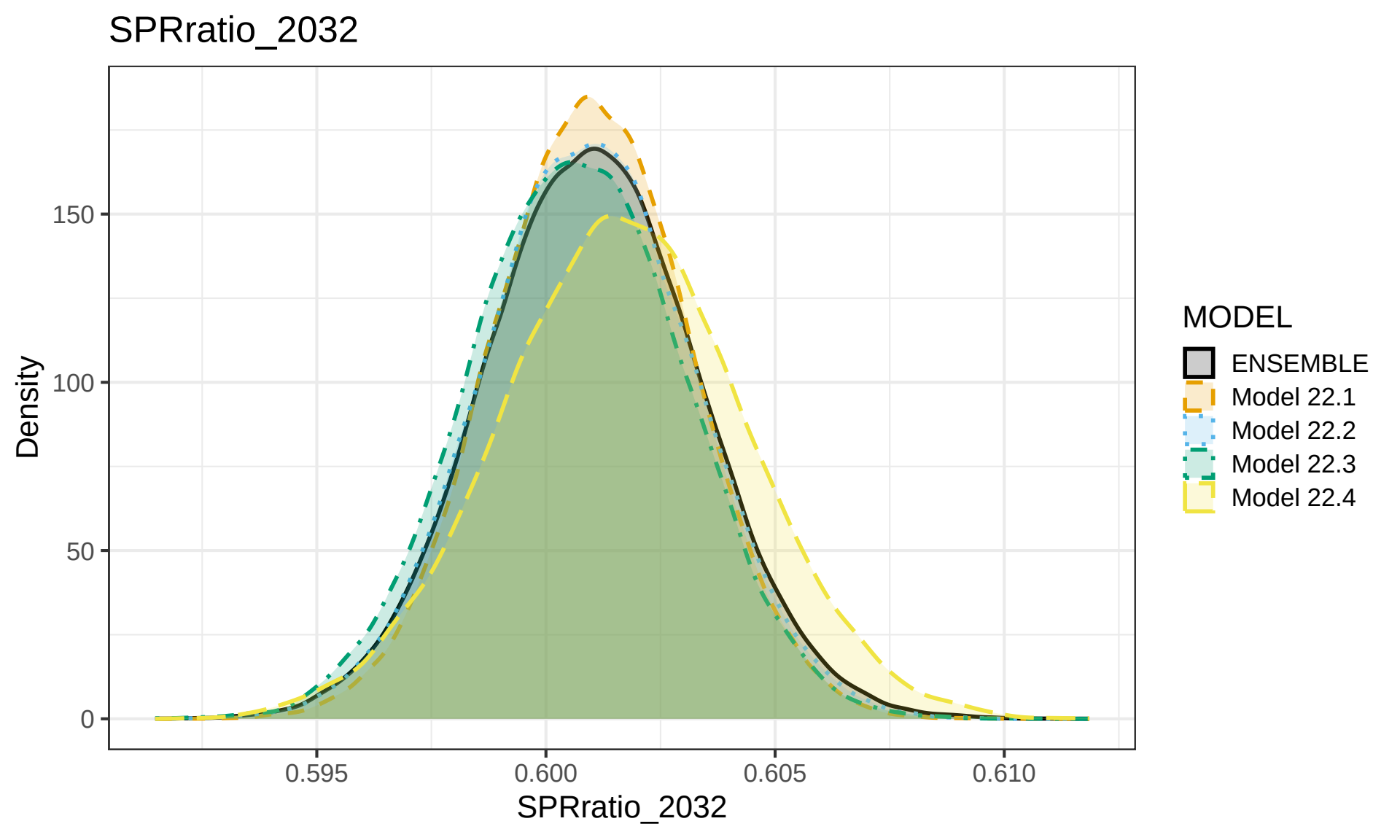
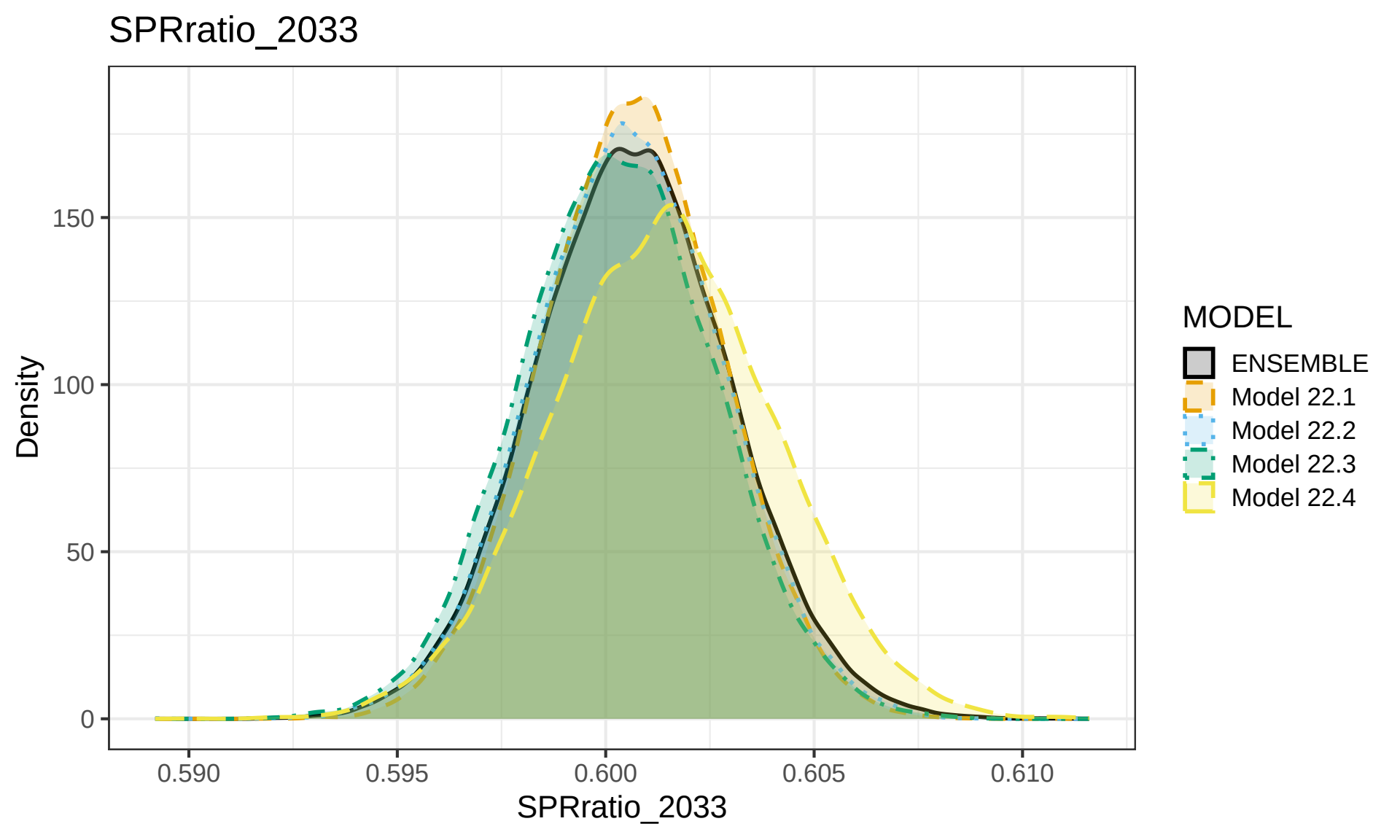
Model 22.3
Model 22.4


SPRratio_2030
Density
150
100
50
0
0.590
0.595
0.600
0.605
0.610
SPRratio_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2031
Density
150
100
50
0
0.590
0.595
0.600
0.605
0.610
SPRratio_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2032
Density
150
100
50
0
0.595
0.600
0.605
0.610
SPRratio_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
150
100
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0
0.590
0.595
0.600
0.605
0.610
SPRratio_2033
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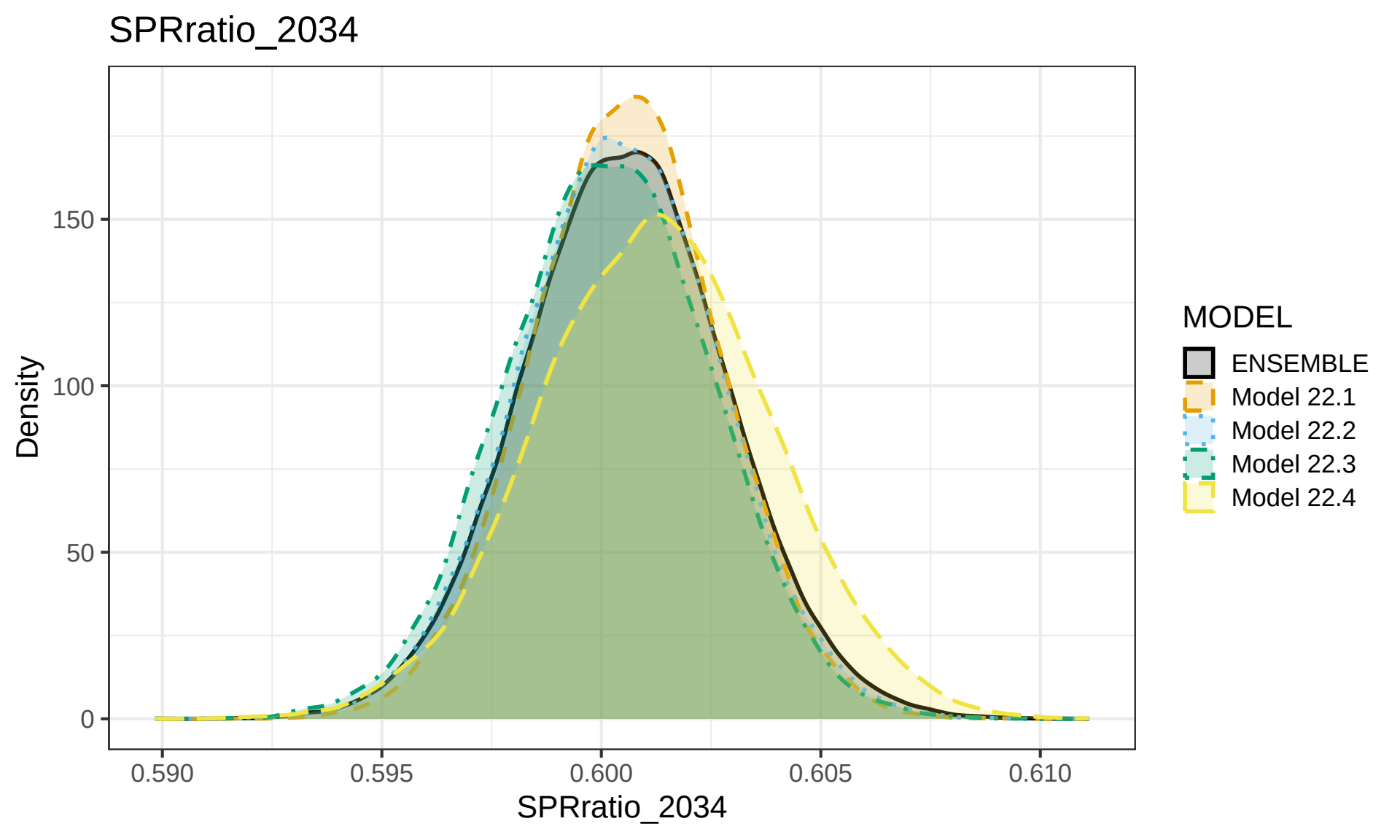
Model 22.3
Model 22.4


SPRratio_2034
Density
150
100
50
0
0.590
0.595
0.600
0.605
0.610
SPRratio_2034
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Model 22.1
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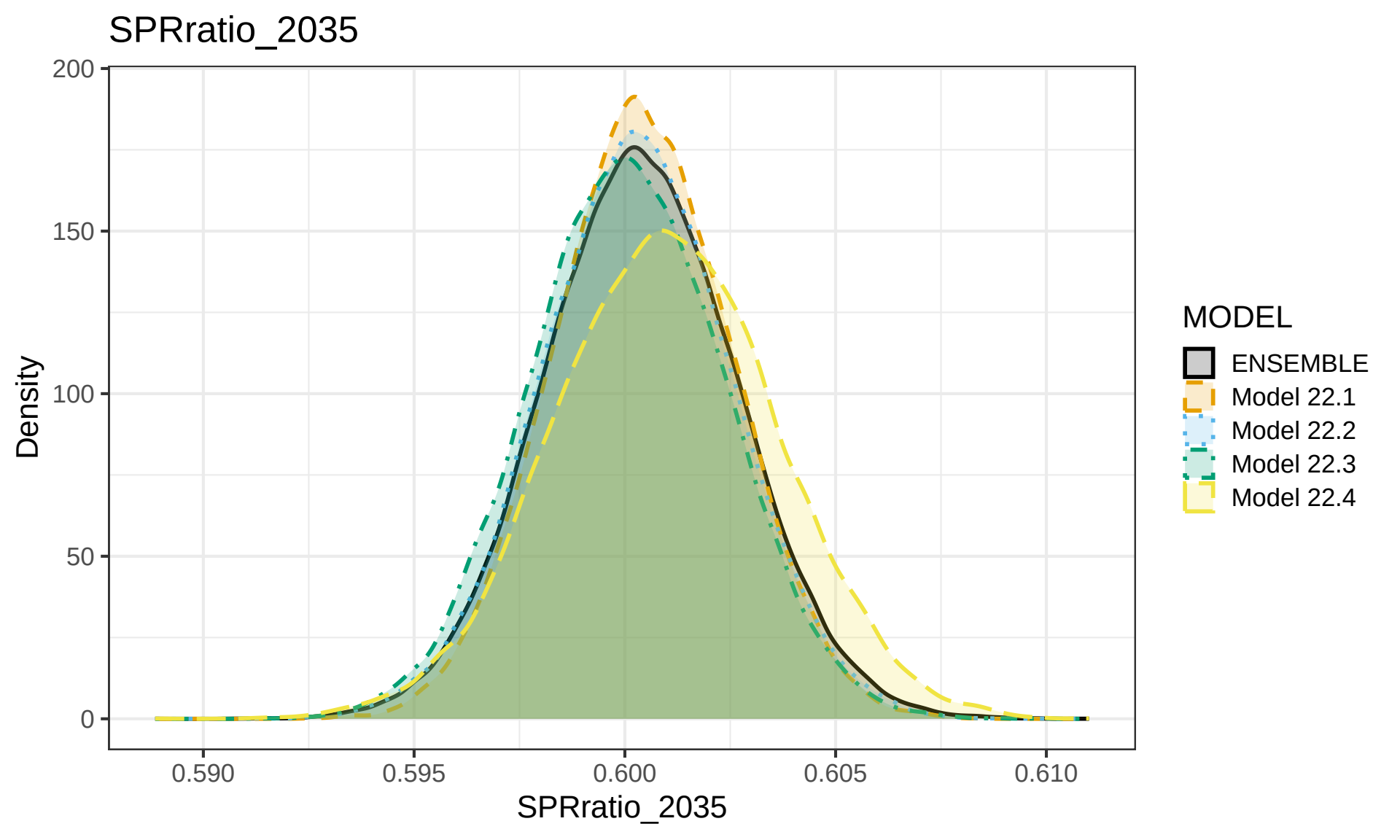
Model 22.3
Model 22.4


SPRratio_2035
200
150
100
50
0
Density
0.590
0.595
0.600
0.605
0.610
SPRratio_2035
MODEL
ENSEMBLE
Model 22.1
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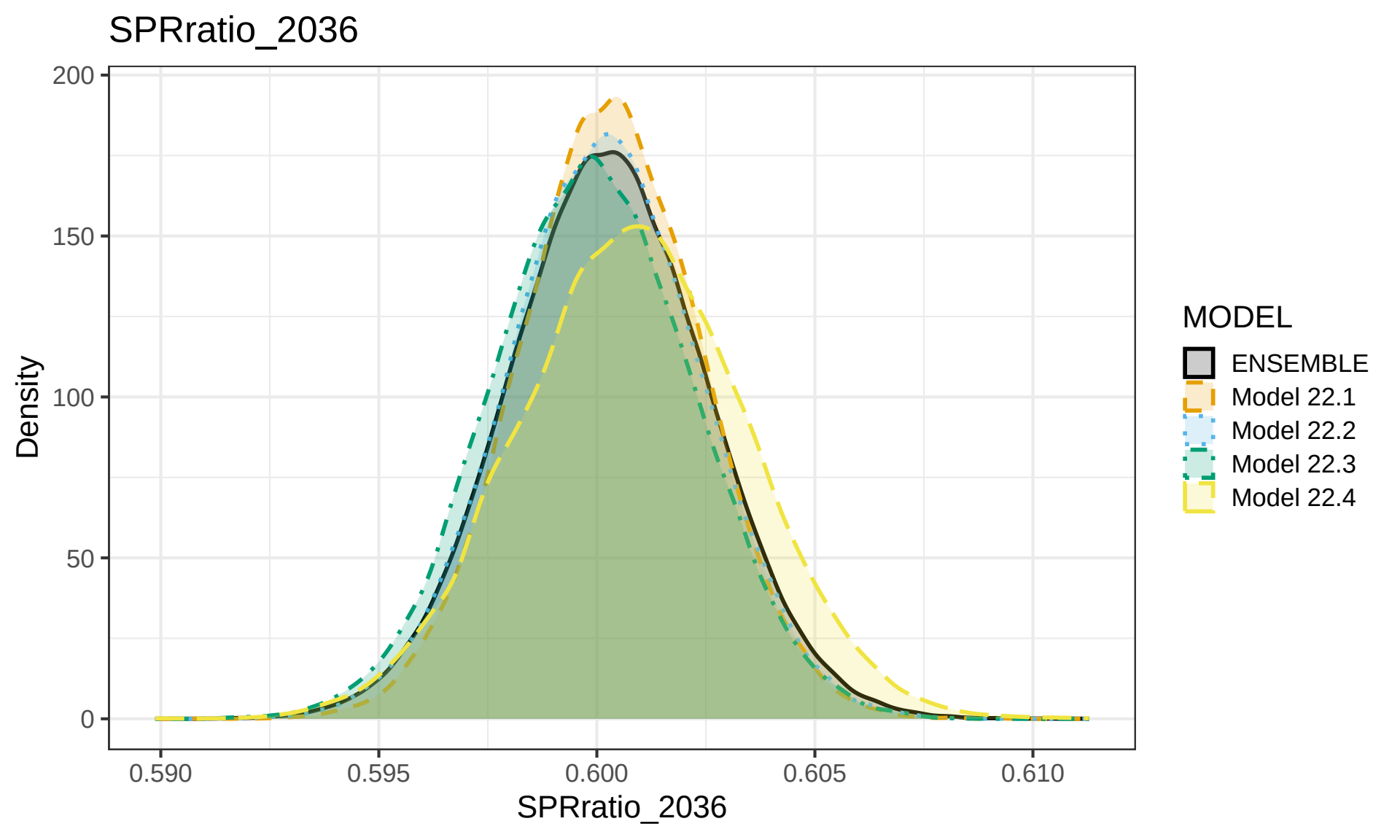
Model 22.3
Model 22.4


SPRratio_2036
200
150
100
50
0
Density
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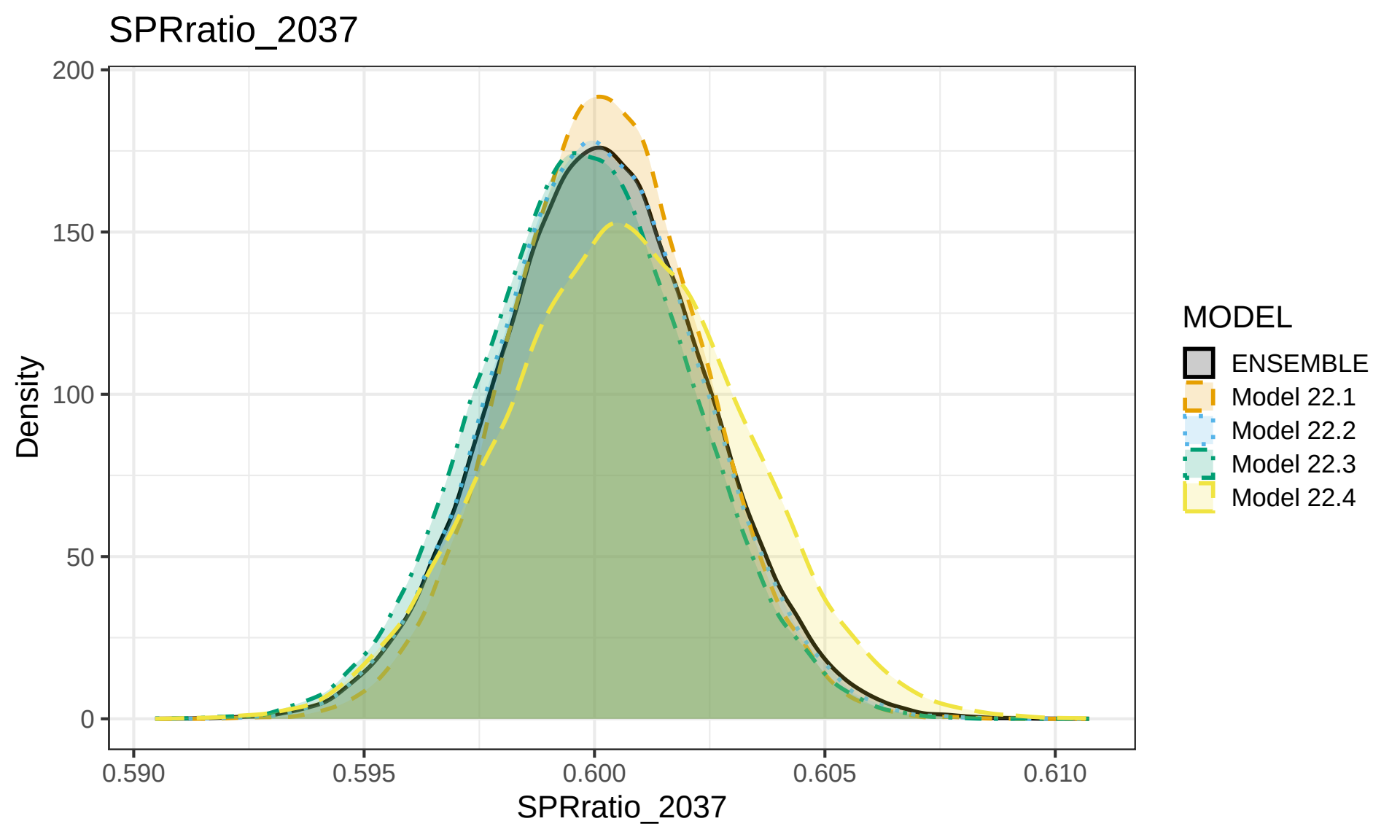
0.595
0.600
0.605
0.610
SPRratio_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2037
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100
50
0
Density
0.590
0.595
0.600
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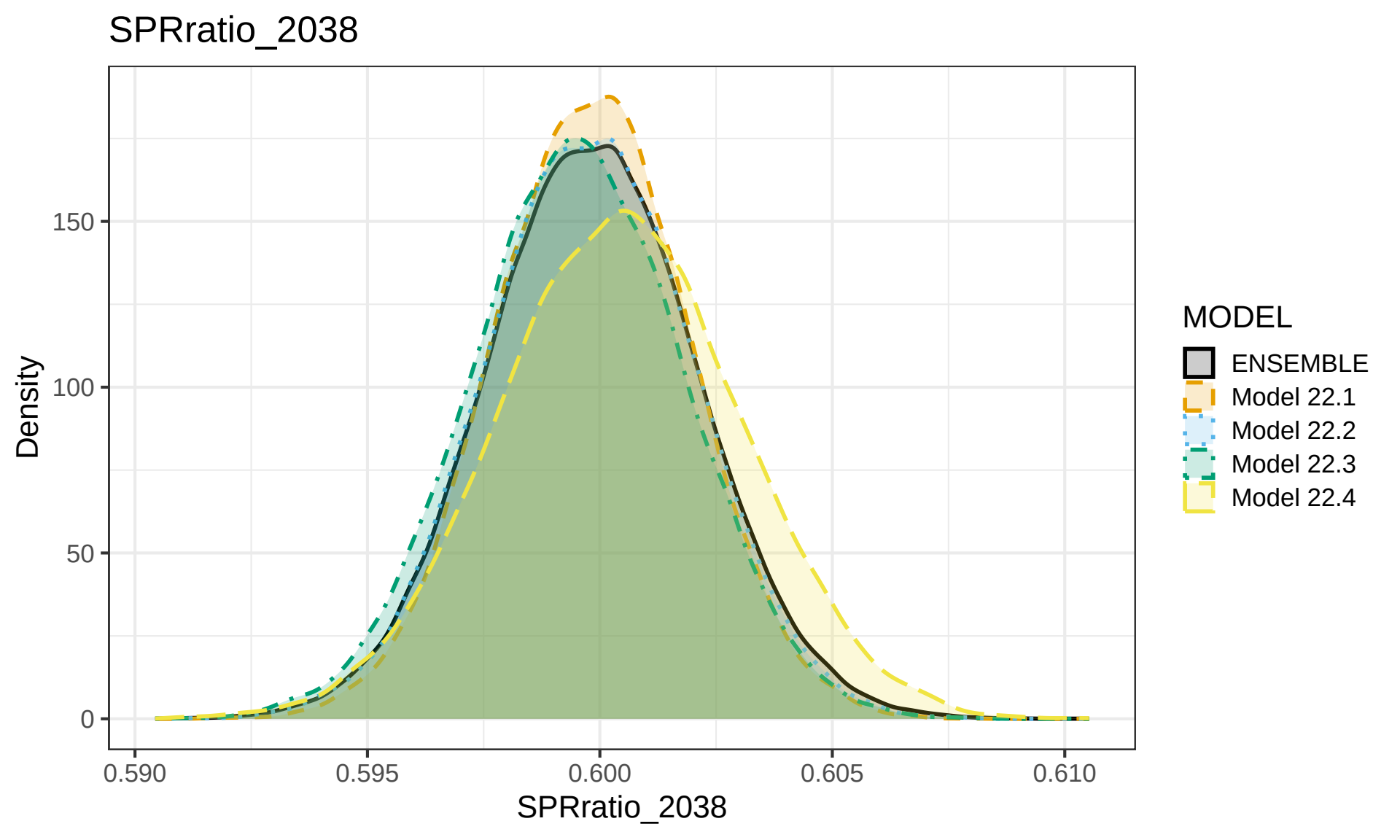
0.610
SPRratio_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SPRratio_2038
Density
150
100
50
0
0.590
0.595
0.600
0.605
0.610
SPRratio_2038
MODEL
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Model 22.1
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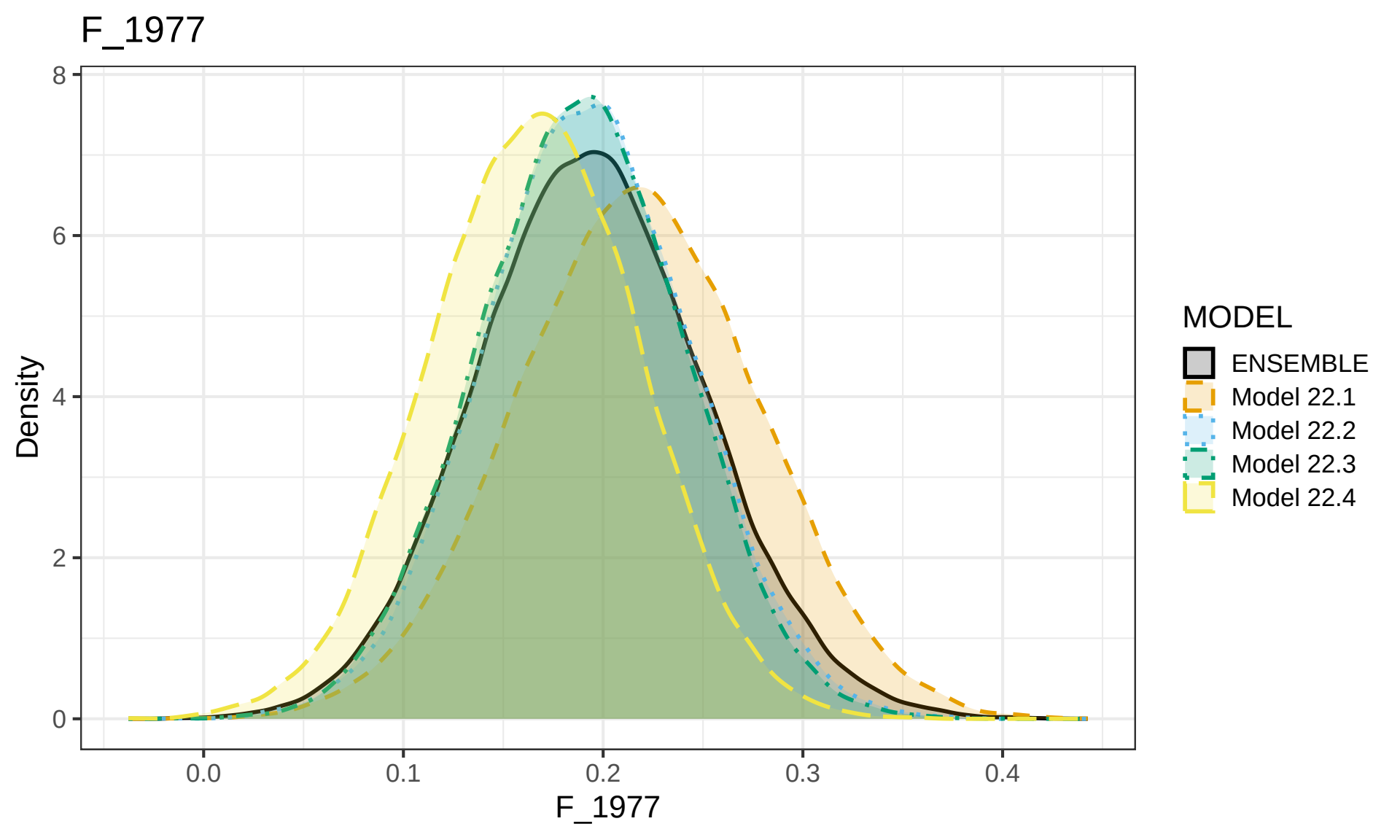
Model 22.3
Model 22.4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Density
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6
4
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0.1
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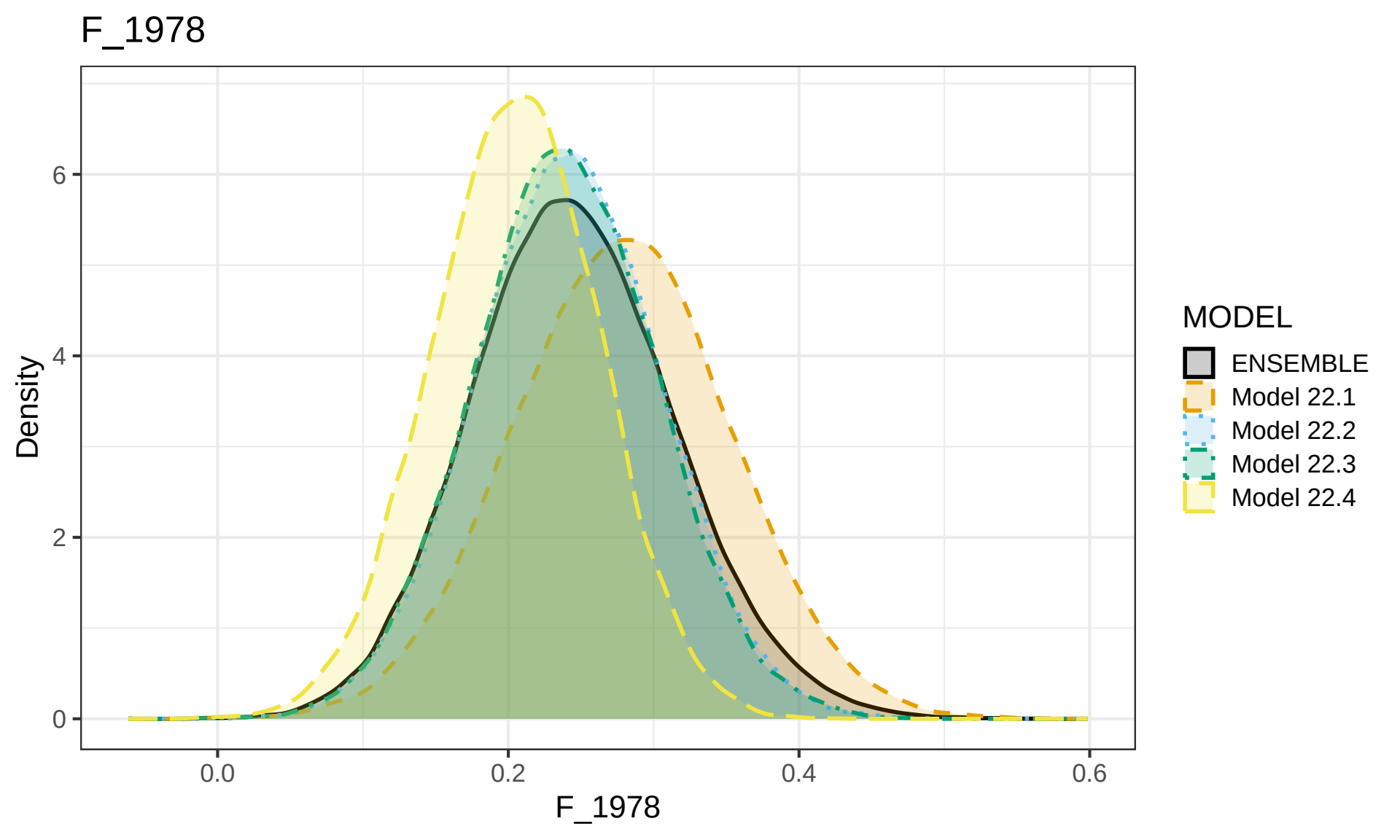
0.3
0.4
F_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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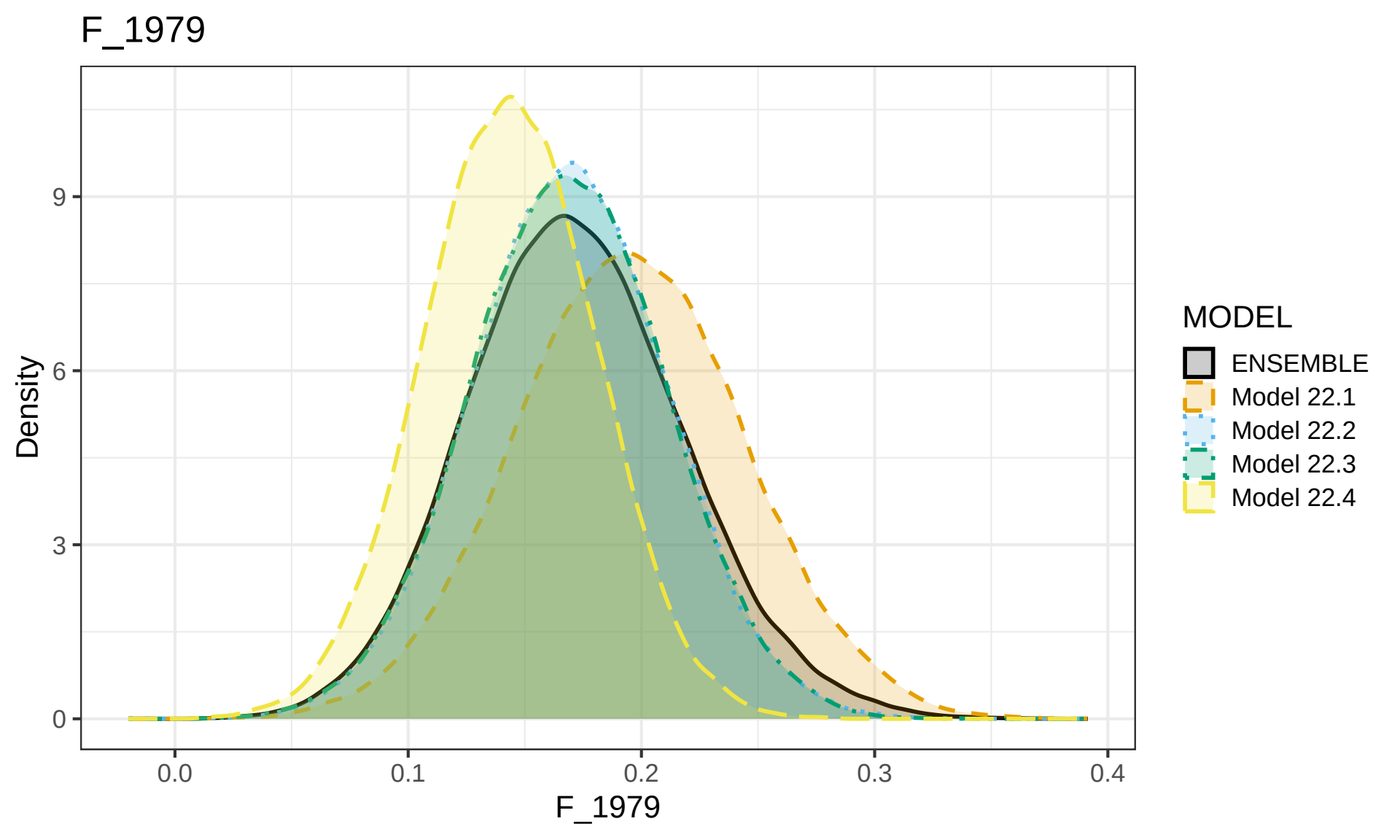
0.4
0.6
F_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
9
6
3
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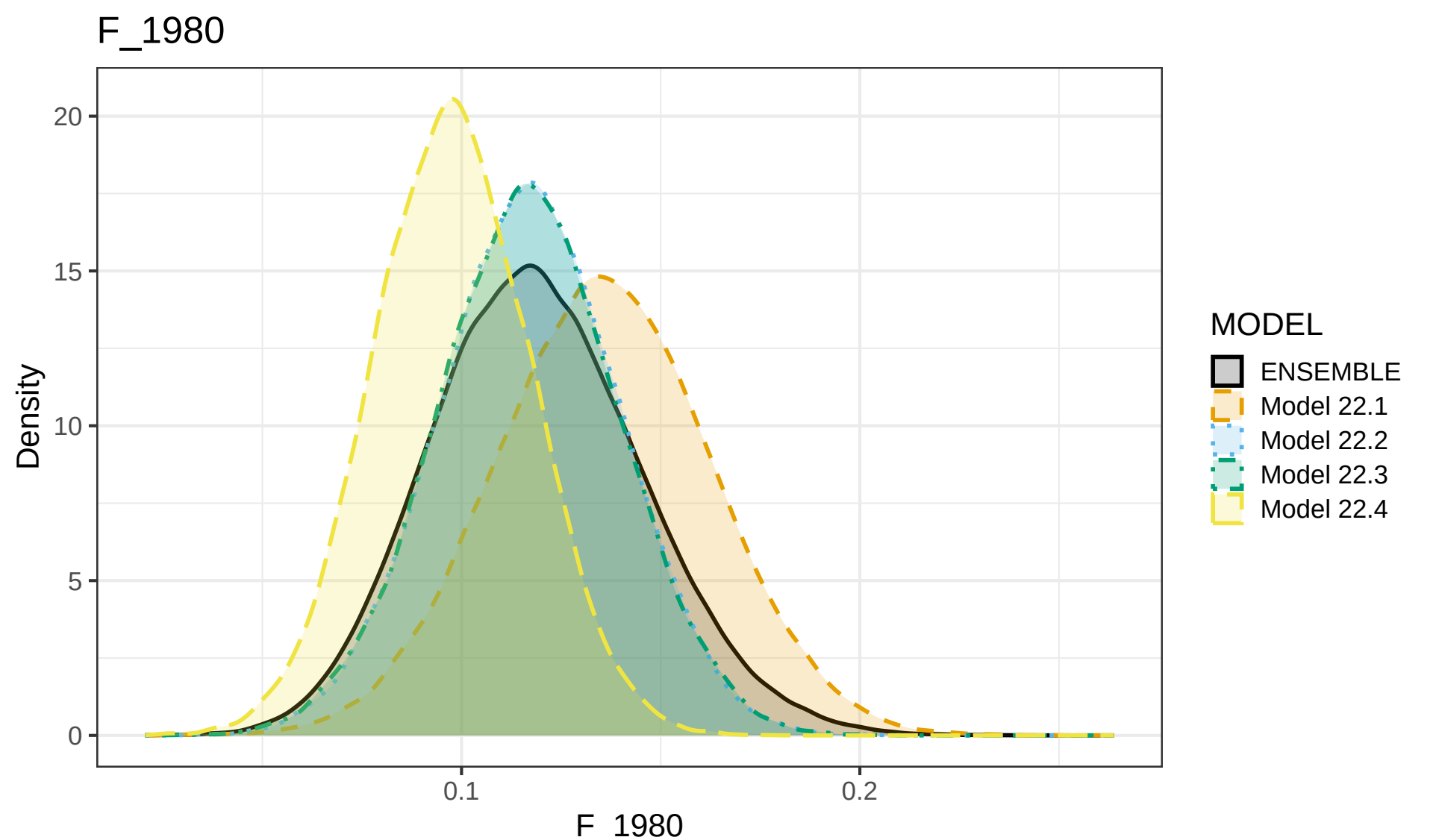
0.1
0.2
0.3
0.4
F_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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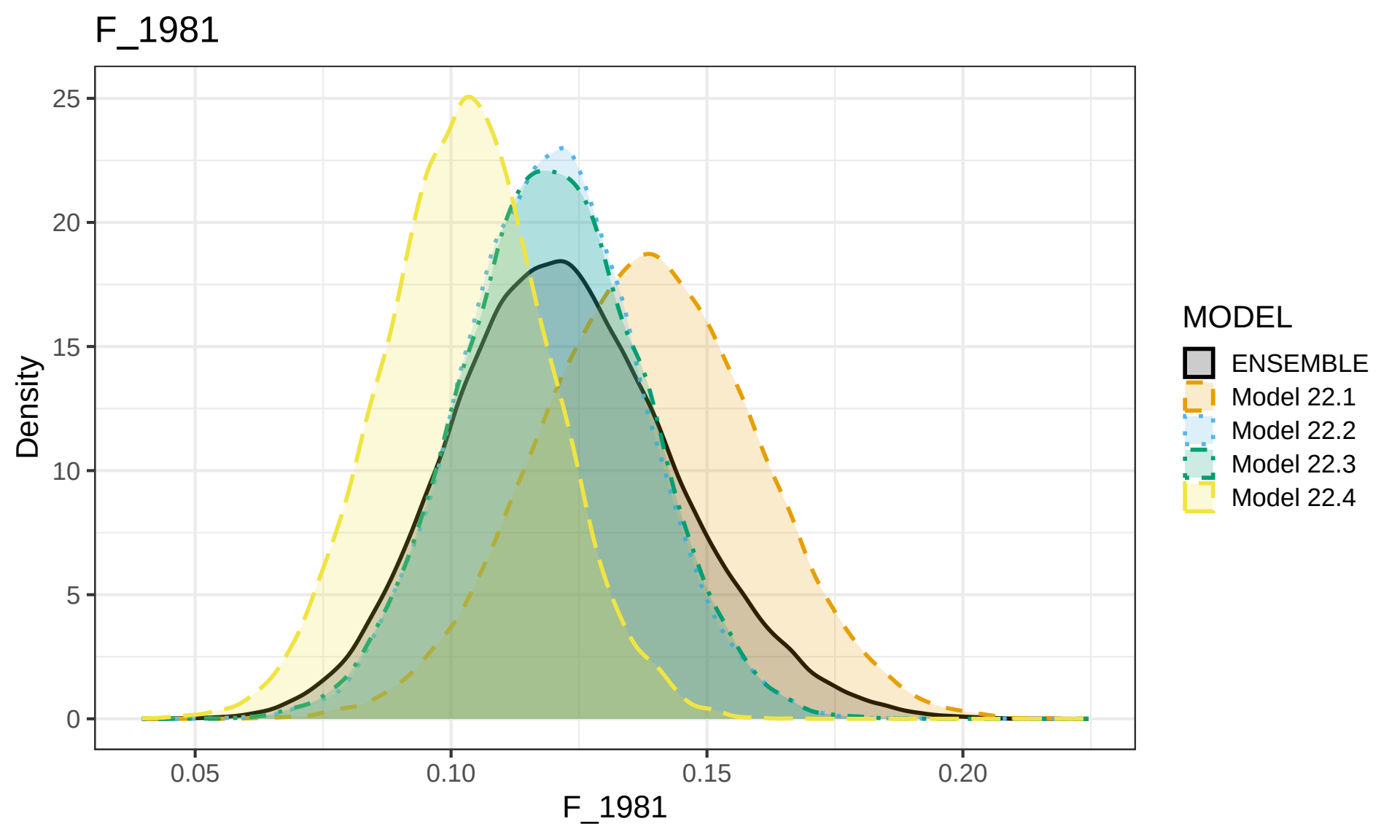
0.2
F_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1981
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Density
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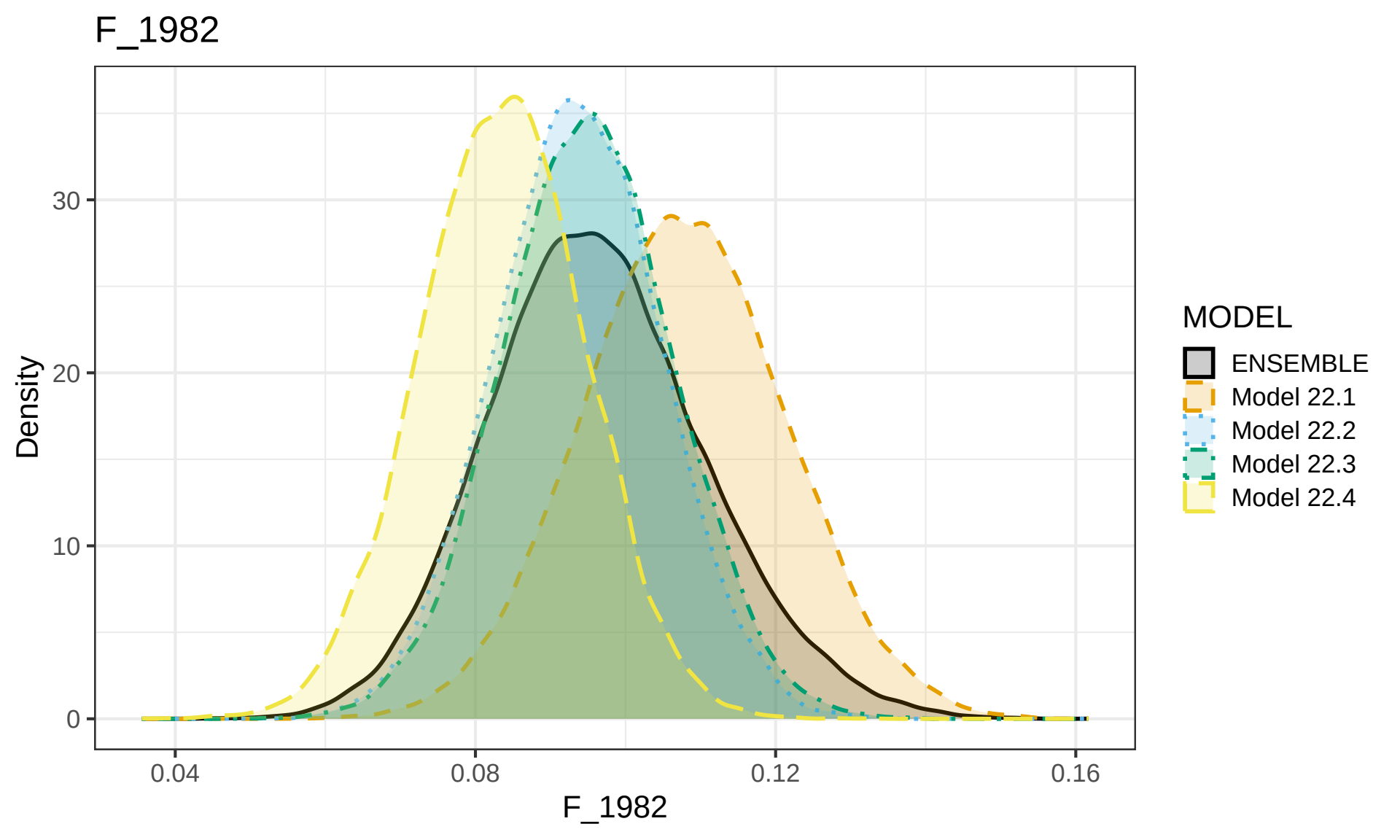
0.15
0.20
F_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1982
Density
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0.12
0.16
F_1982
MODEL
ENSEMBLE
Model 22.1
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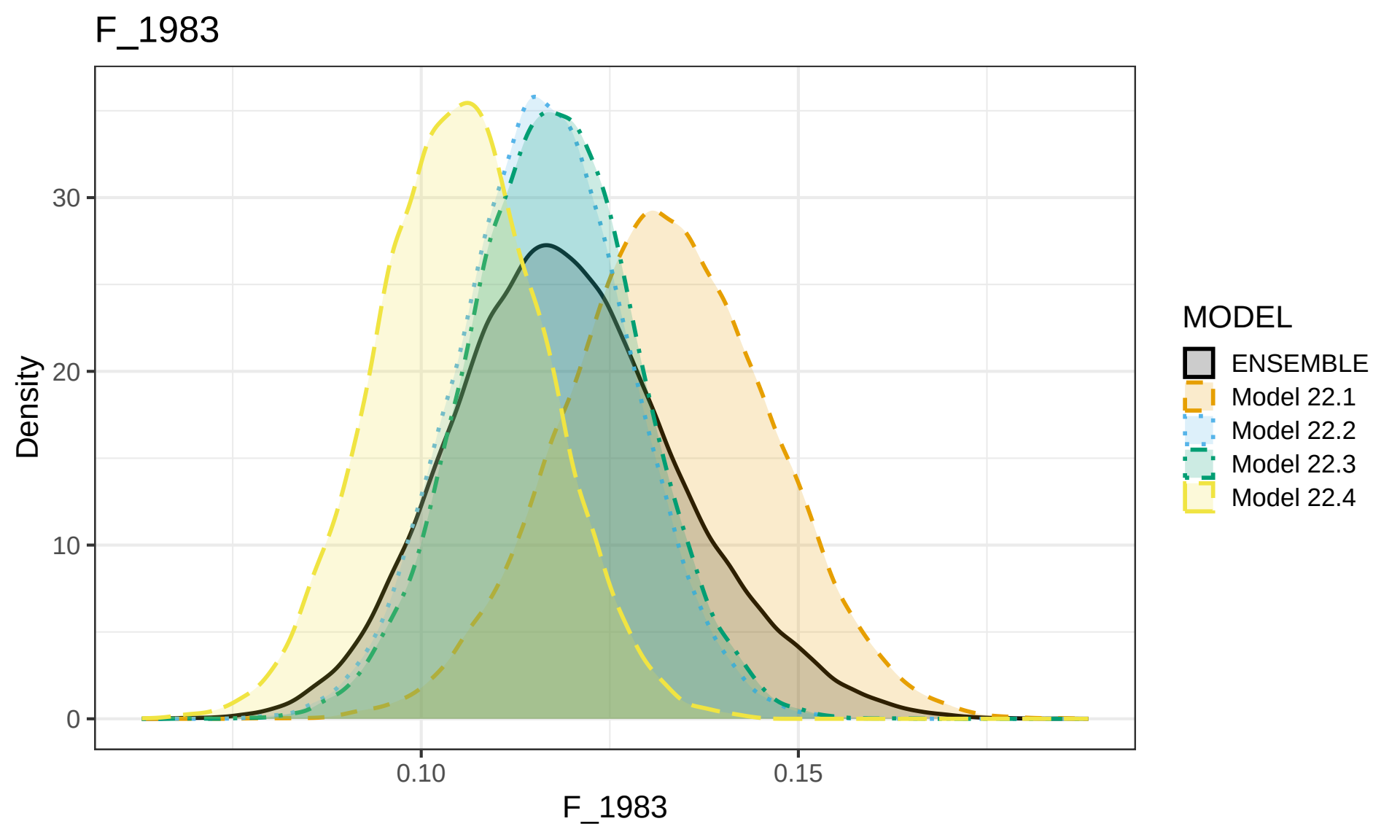
Model 22.3
Model 22.4


F_1983
Density
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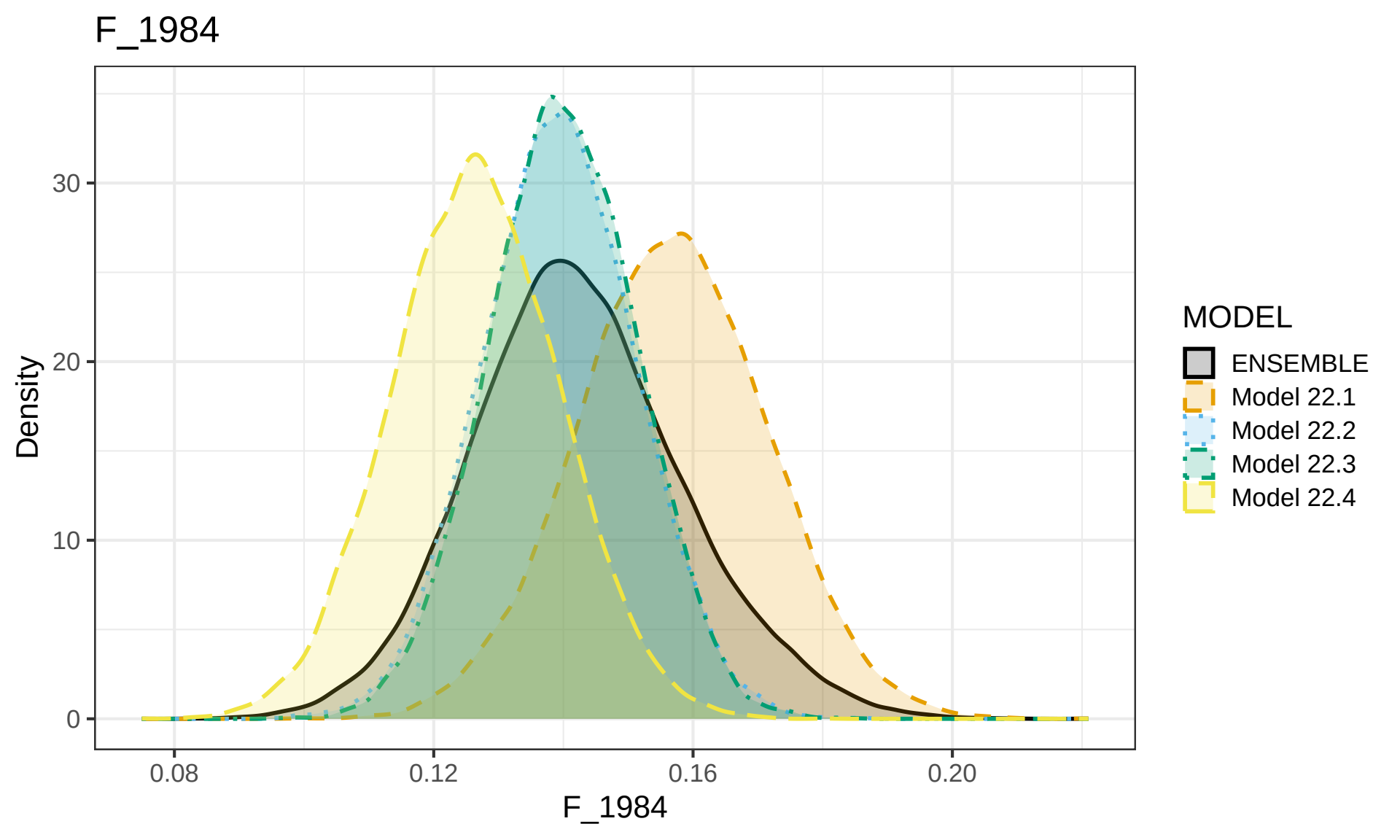
0.10
0.15
F_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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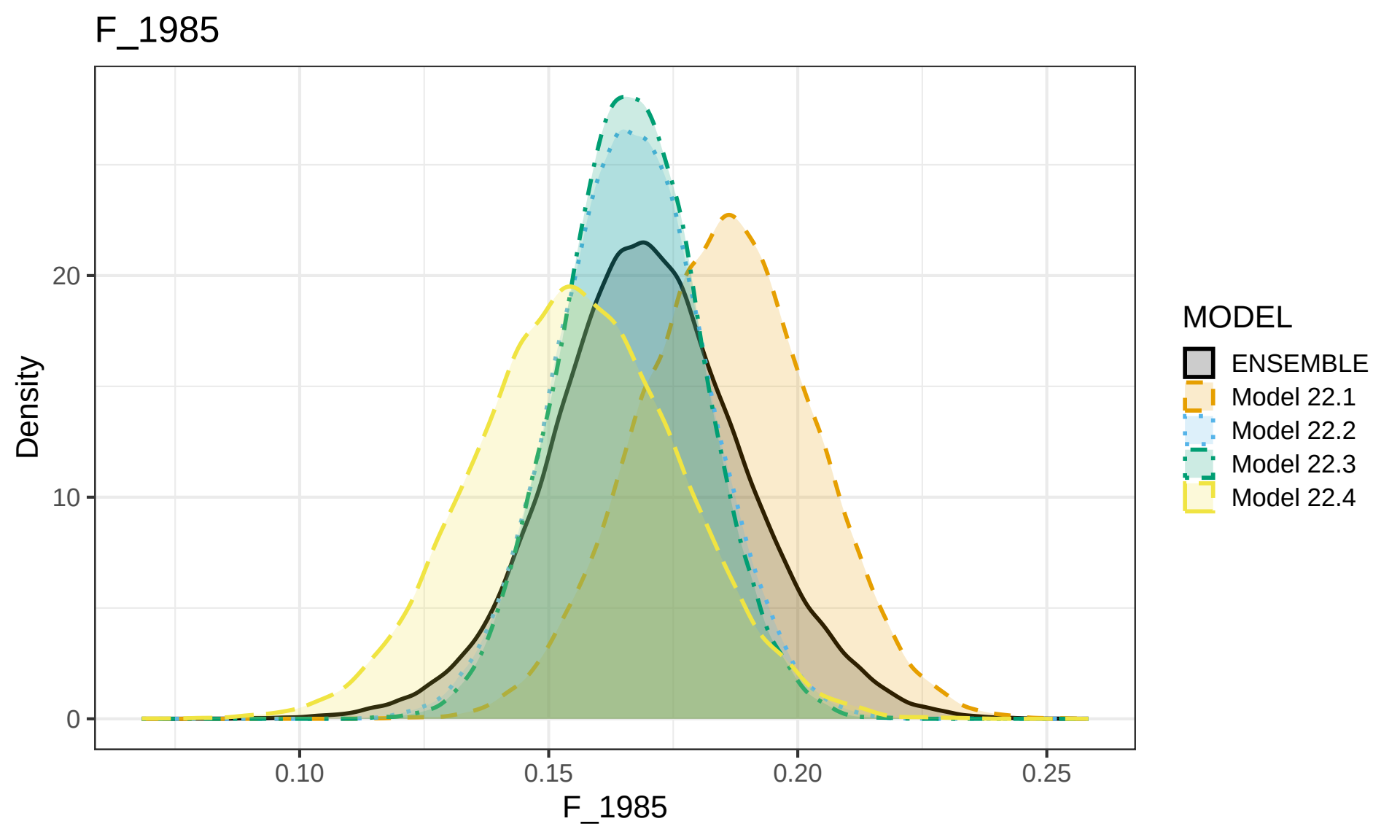
0.16
0.20
F_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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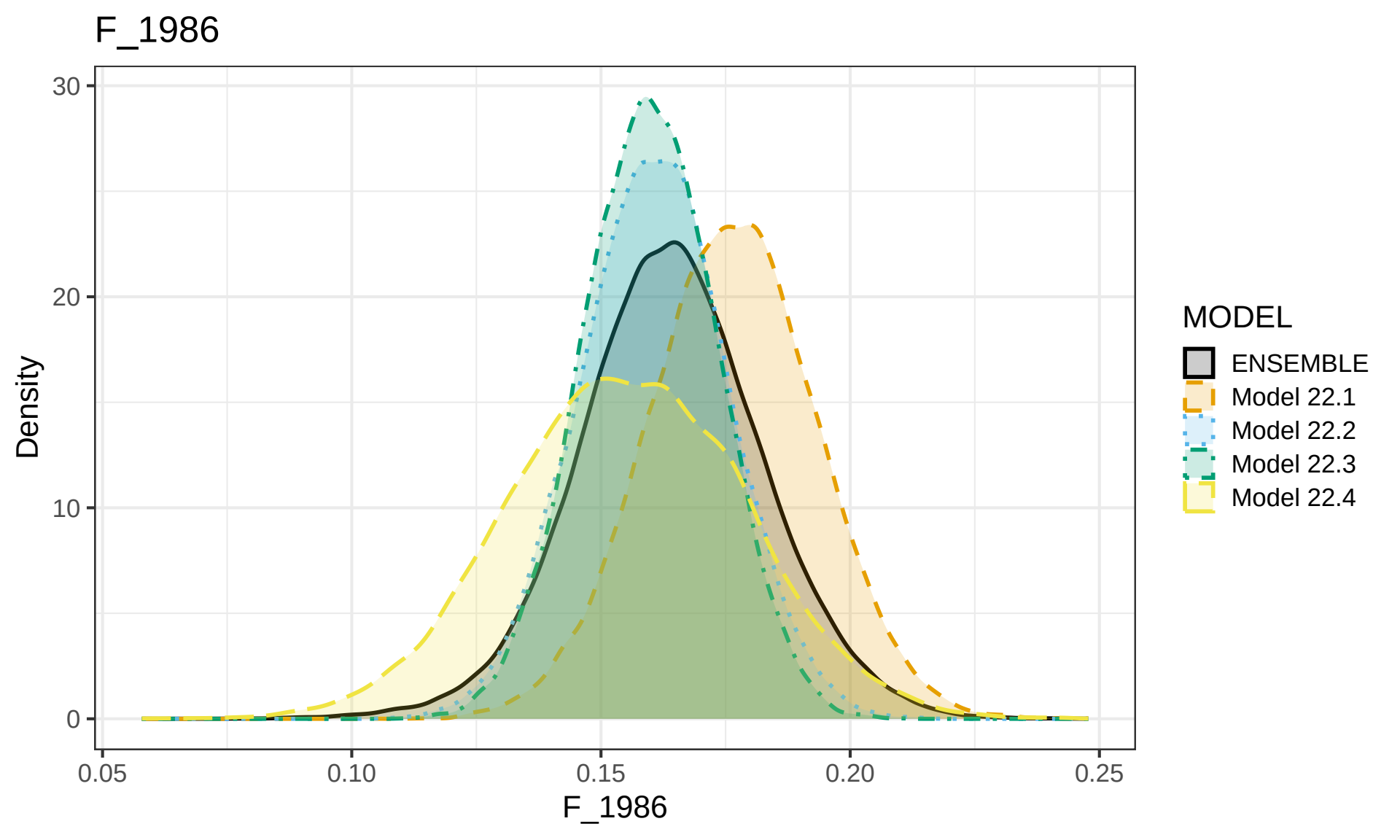
F_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1986
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Density
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0.10
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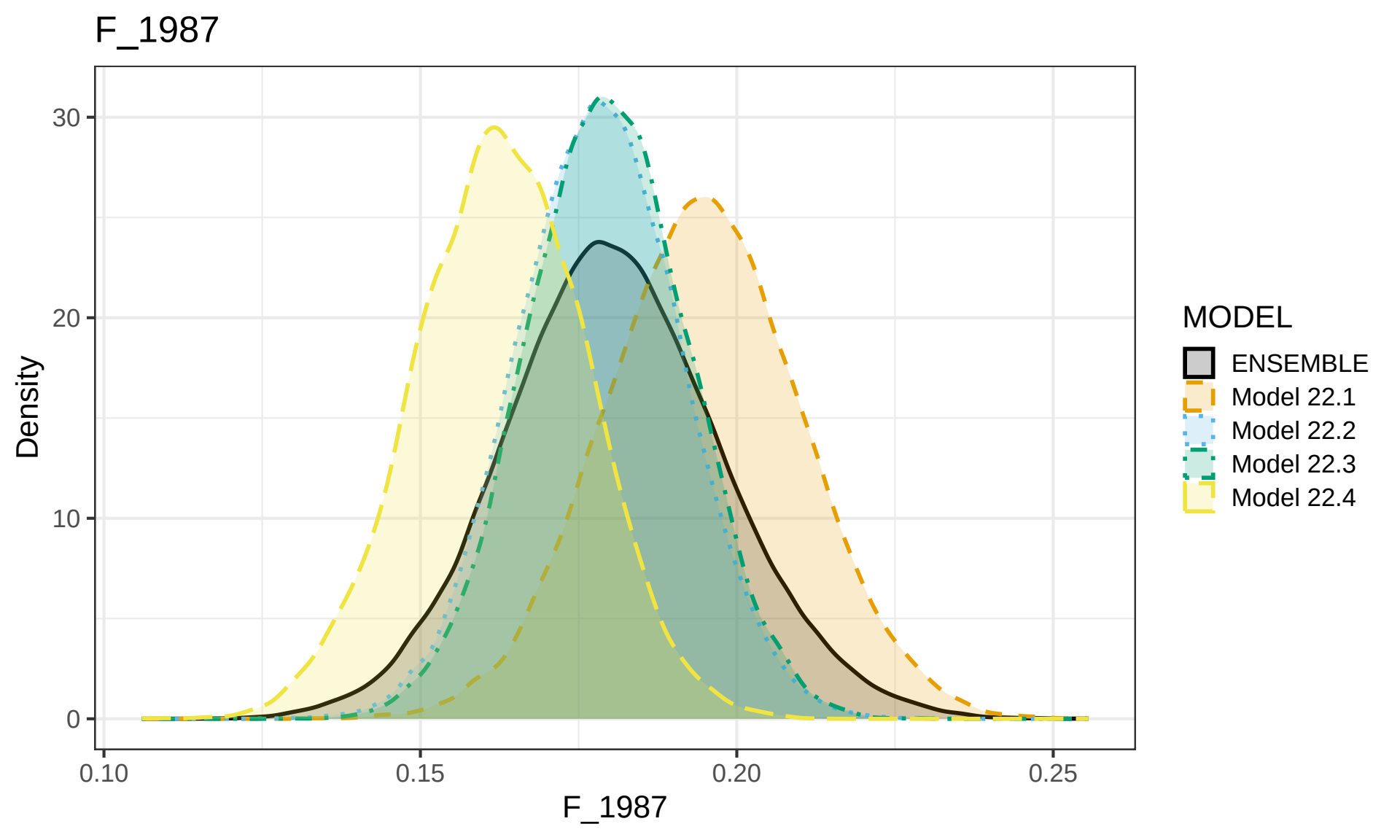
0.20
0.25
F_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1987
Density
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10
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0.10
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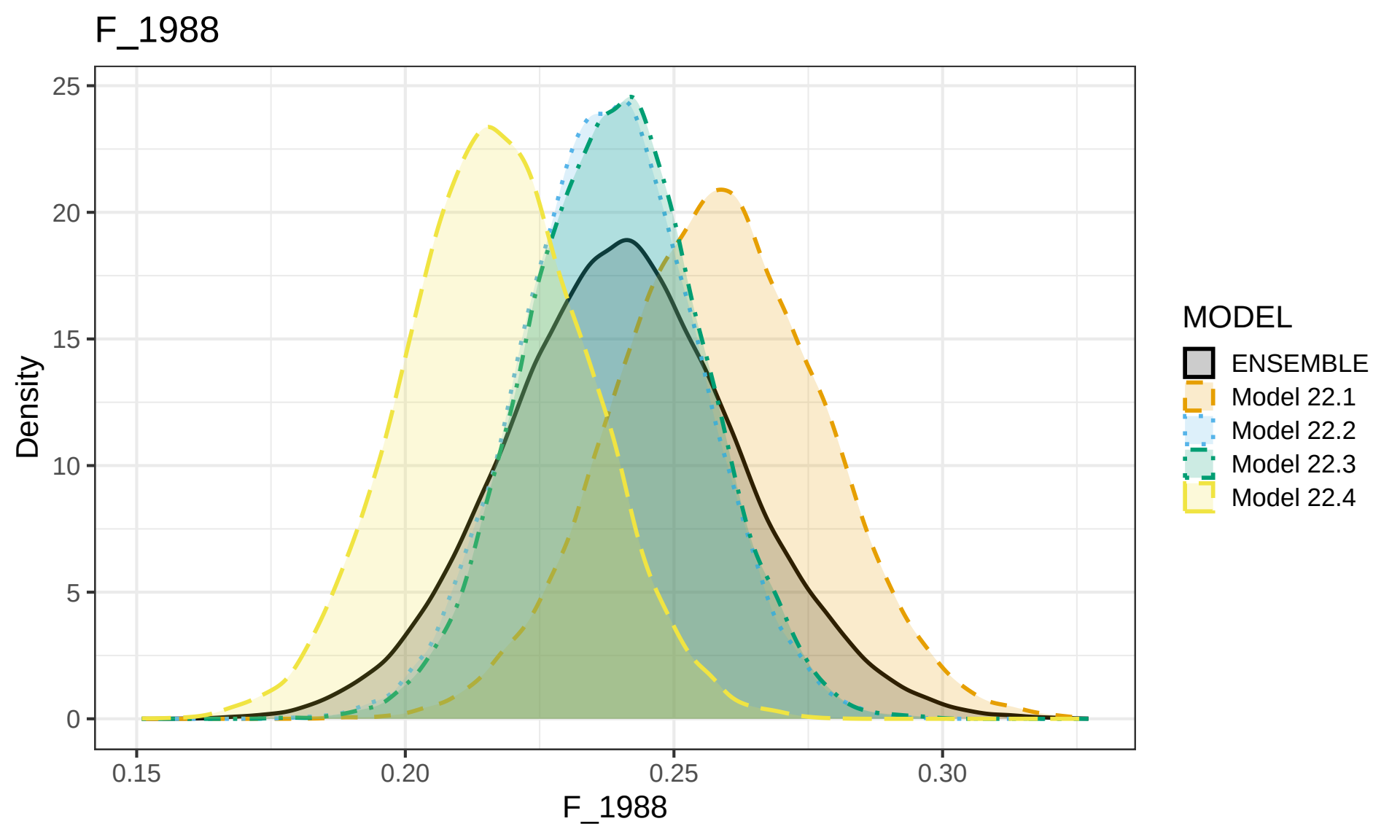
0.20
0.25
F_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1988
25
20
15
10
5
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Density
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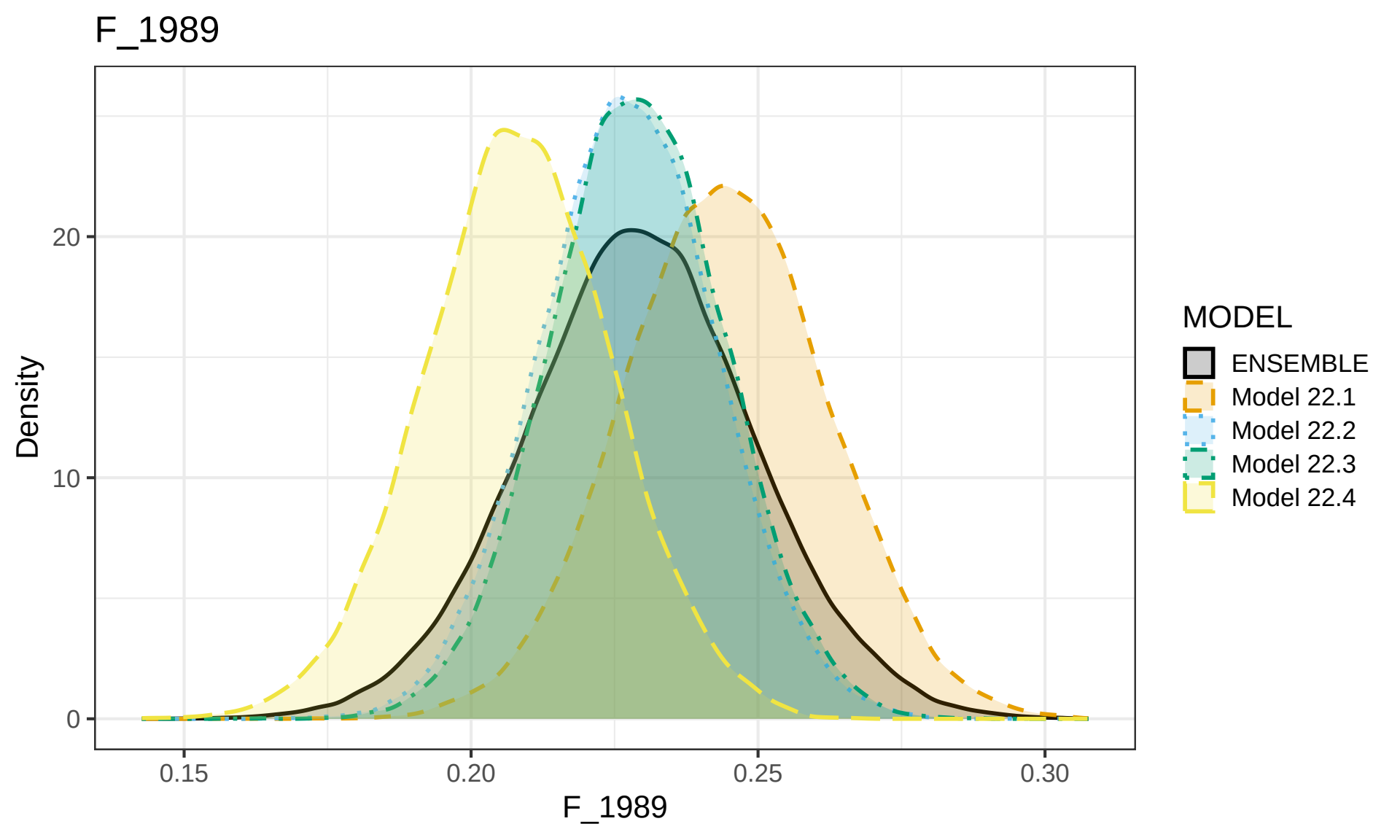
0.25
0.30
F_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1989
Density
20
10
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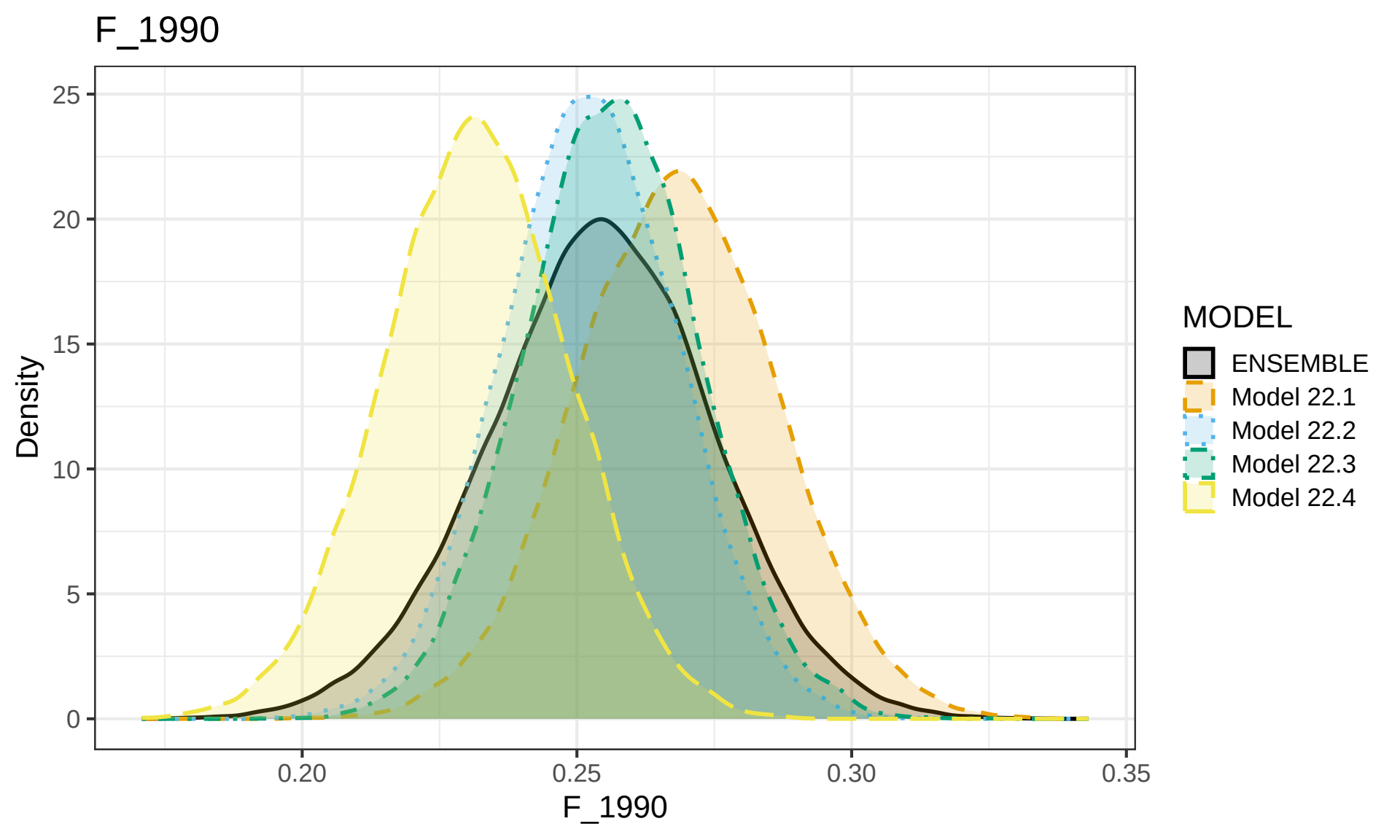
0.15
0.20
0.25
0.30
F_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1990
Density
25
20
15
10
5
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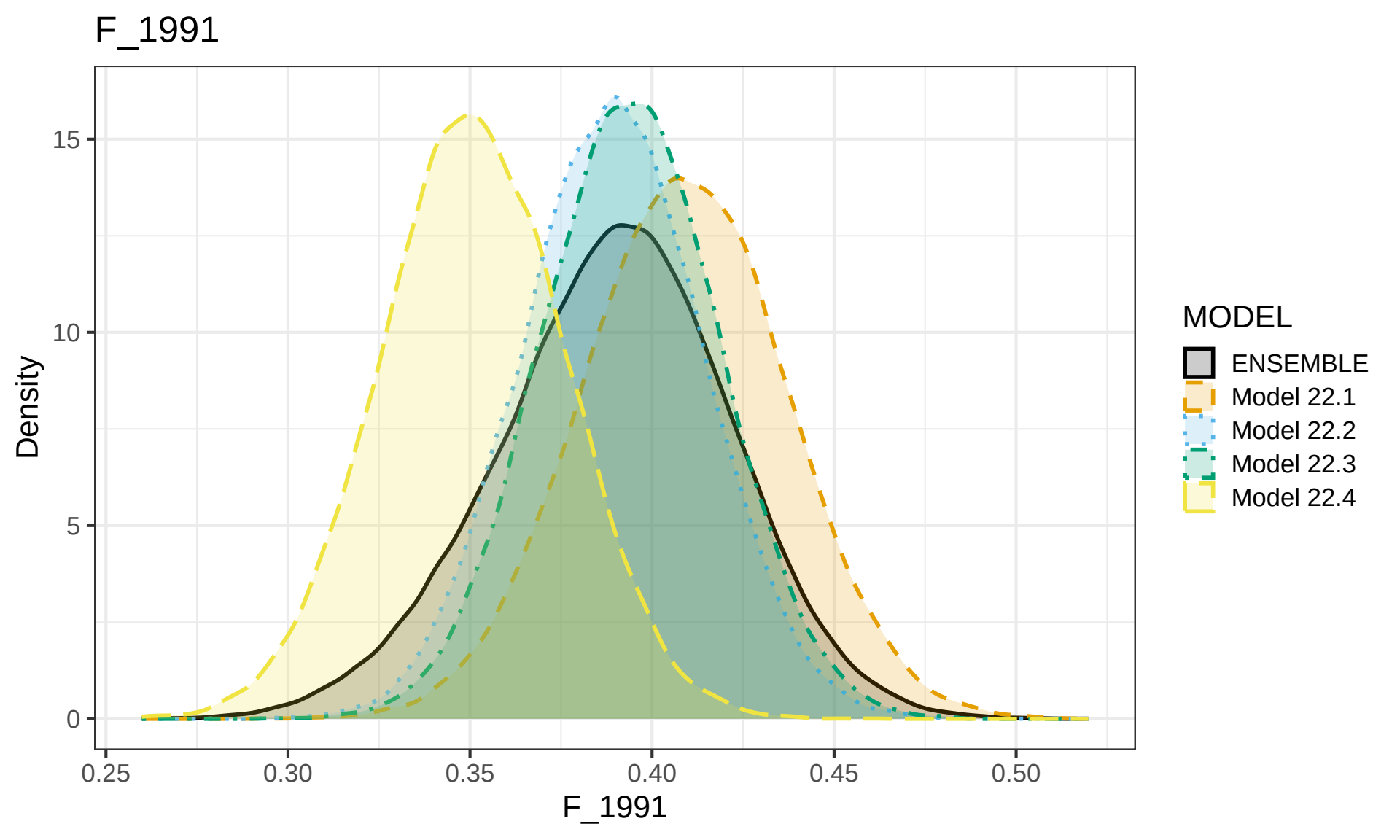
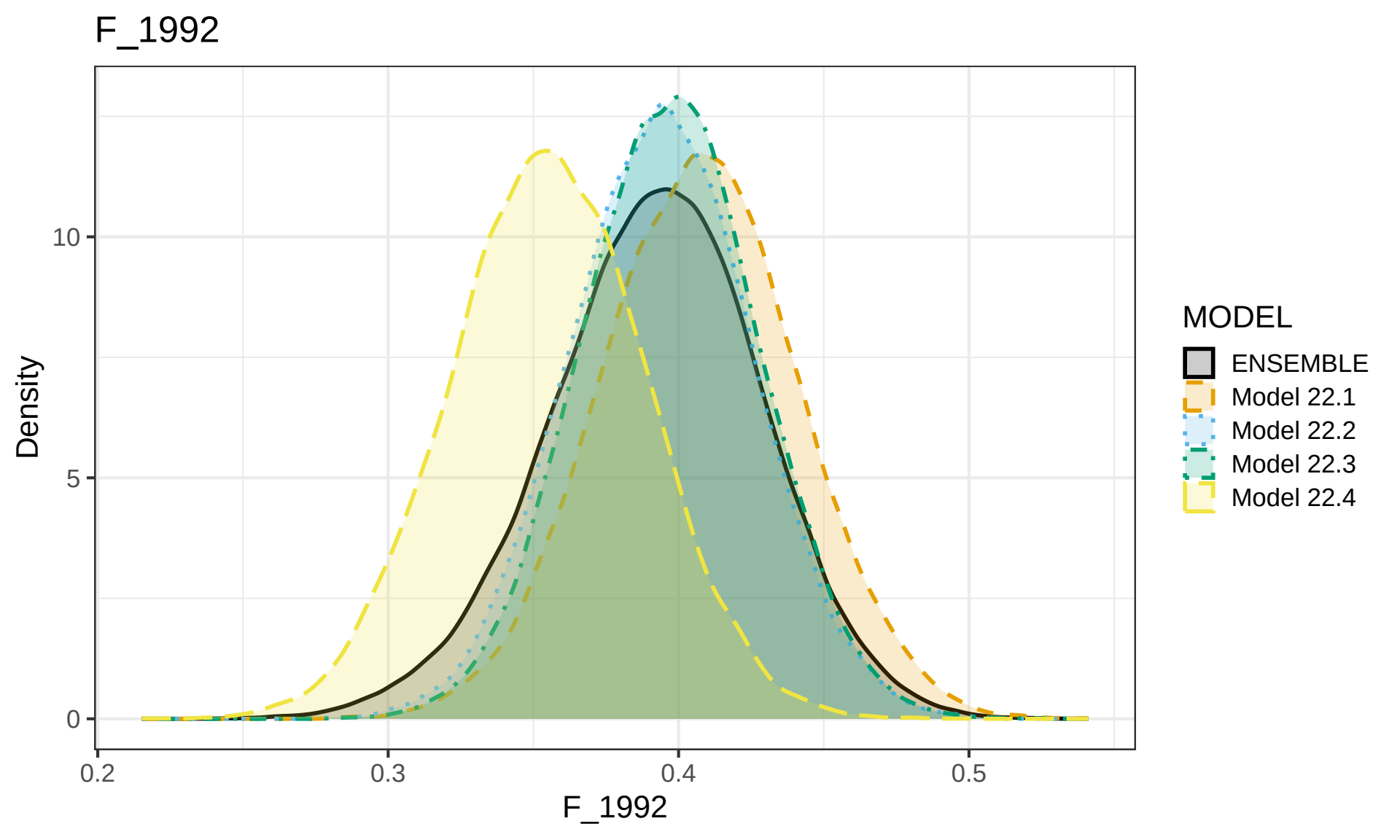
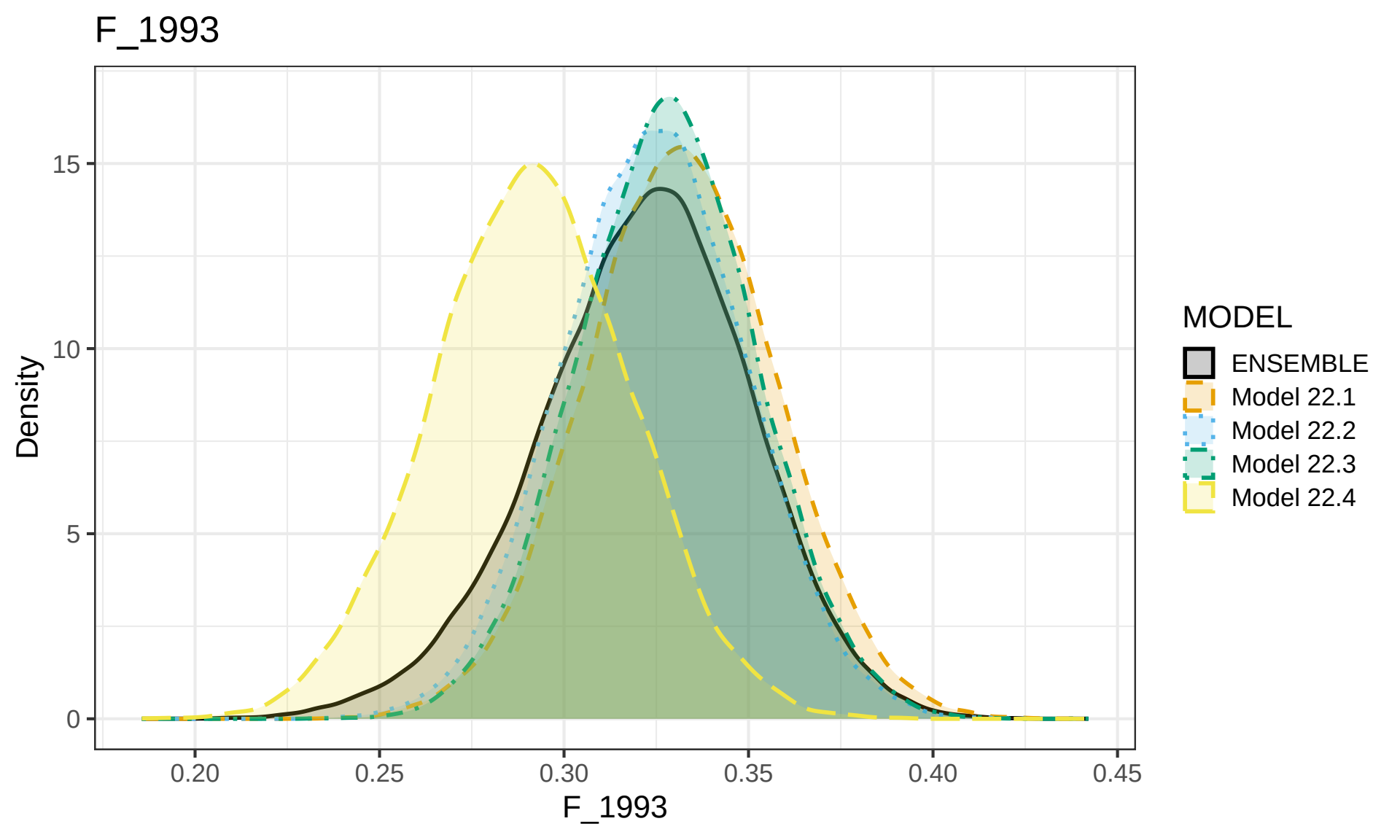
0.30
0.35
F_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1991
Density
15
10
5
0
0.25
0.30
0.35
0.40
0.45
0.50
F_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_1992
Density
10
5
0
0.2
0.3
0.4
0.5
F_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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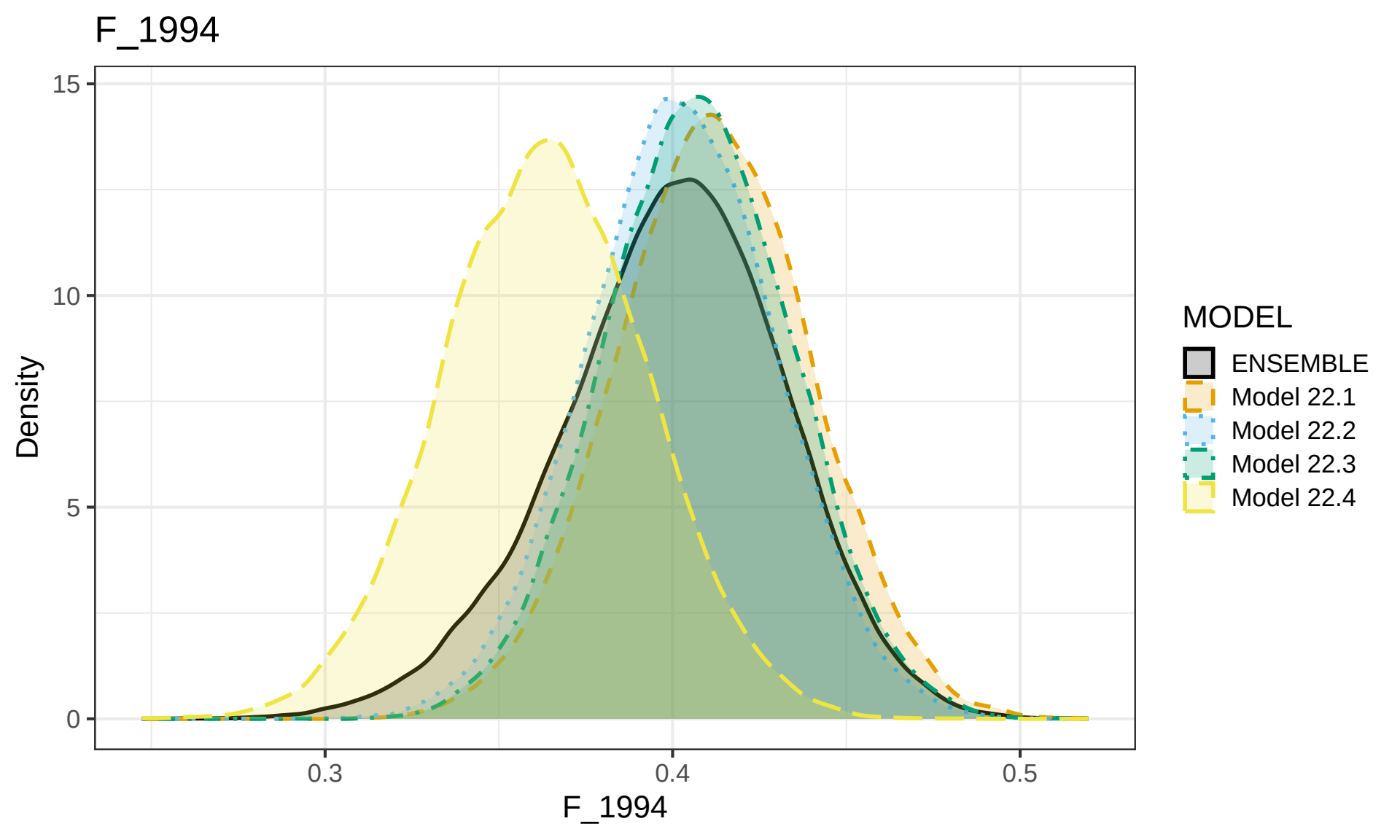
F_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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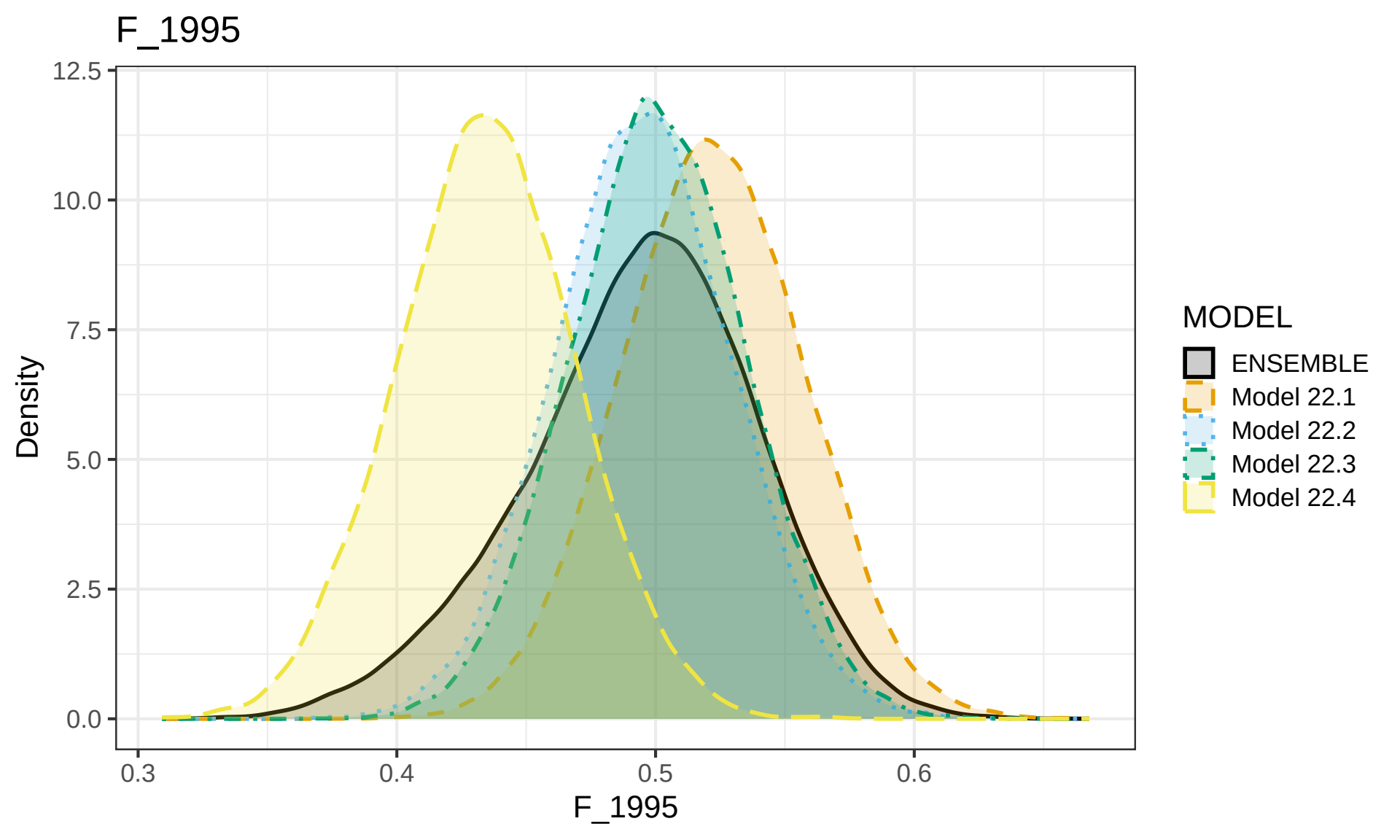
F_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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F_1995
MODEL
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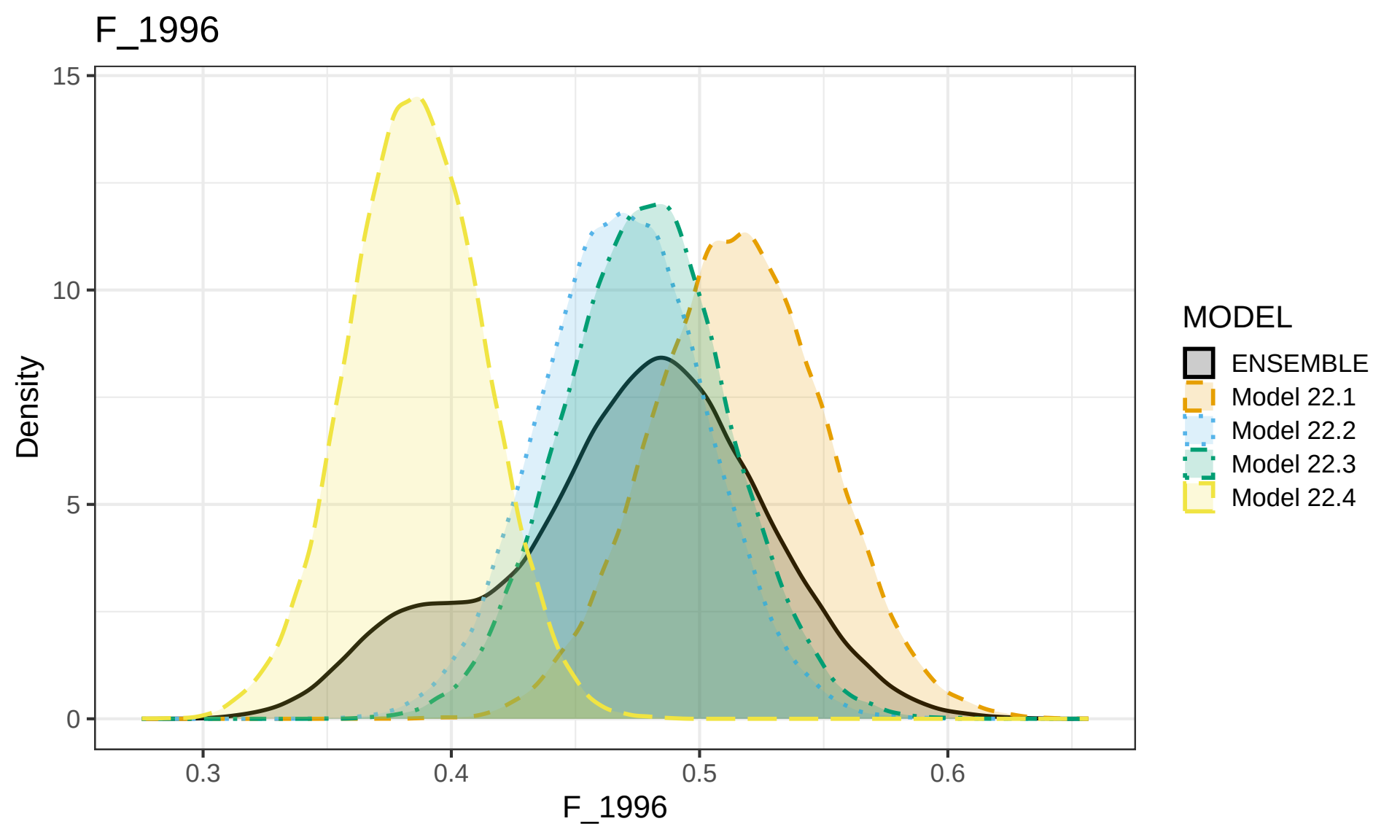
Model 22.1
Model 22.2
Model 22.3
Model 22.4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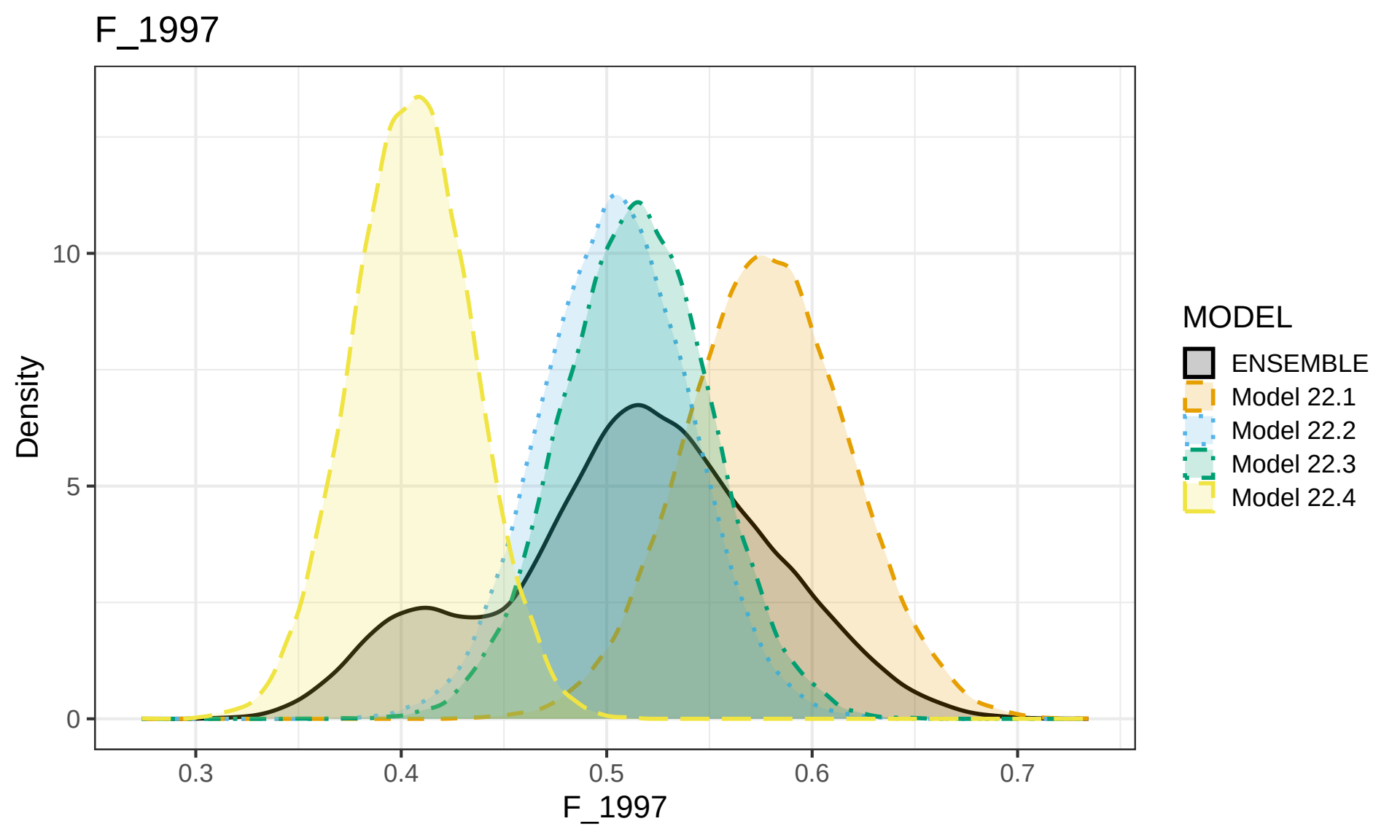
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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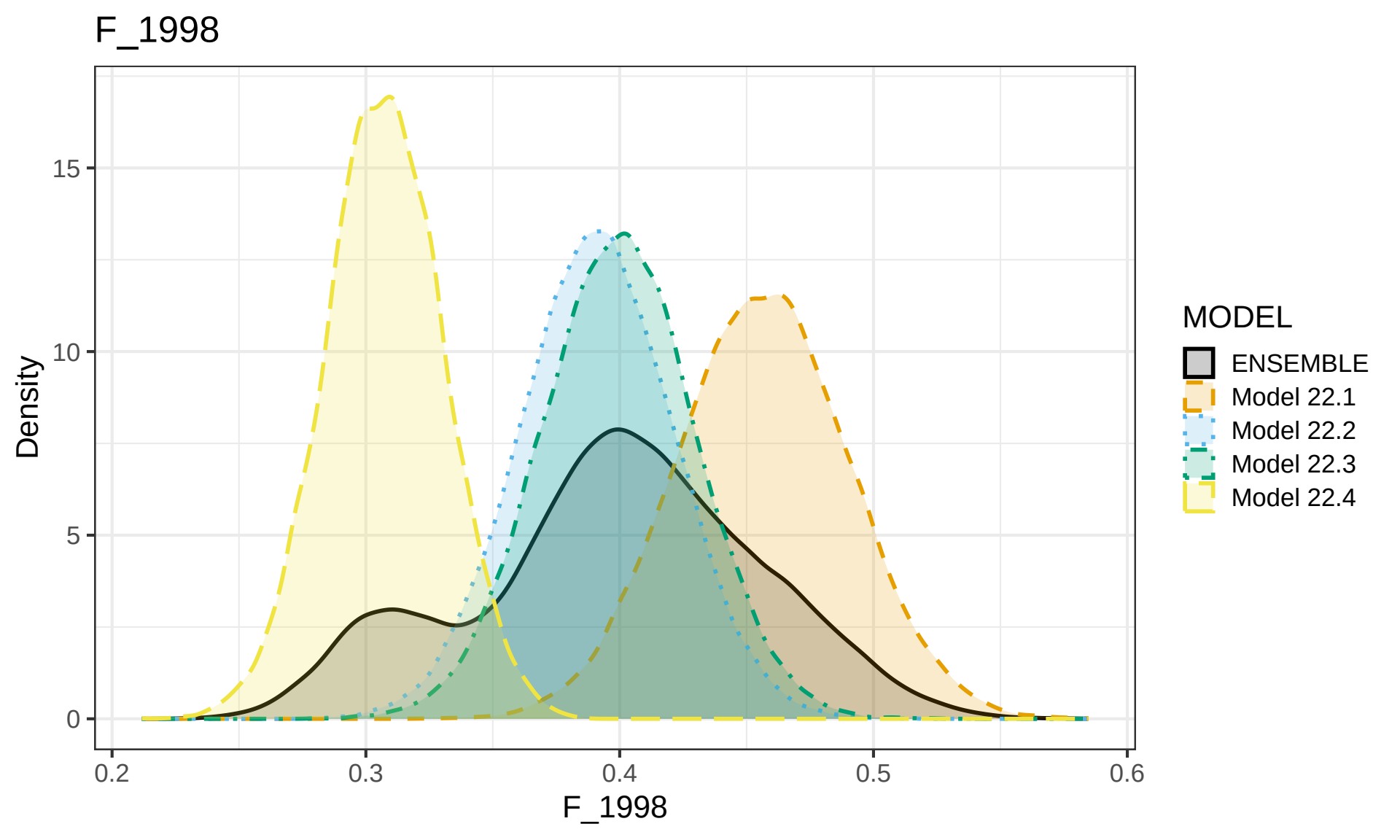
F_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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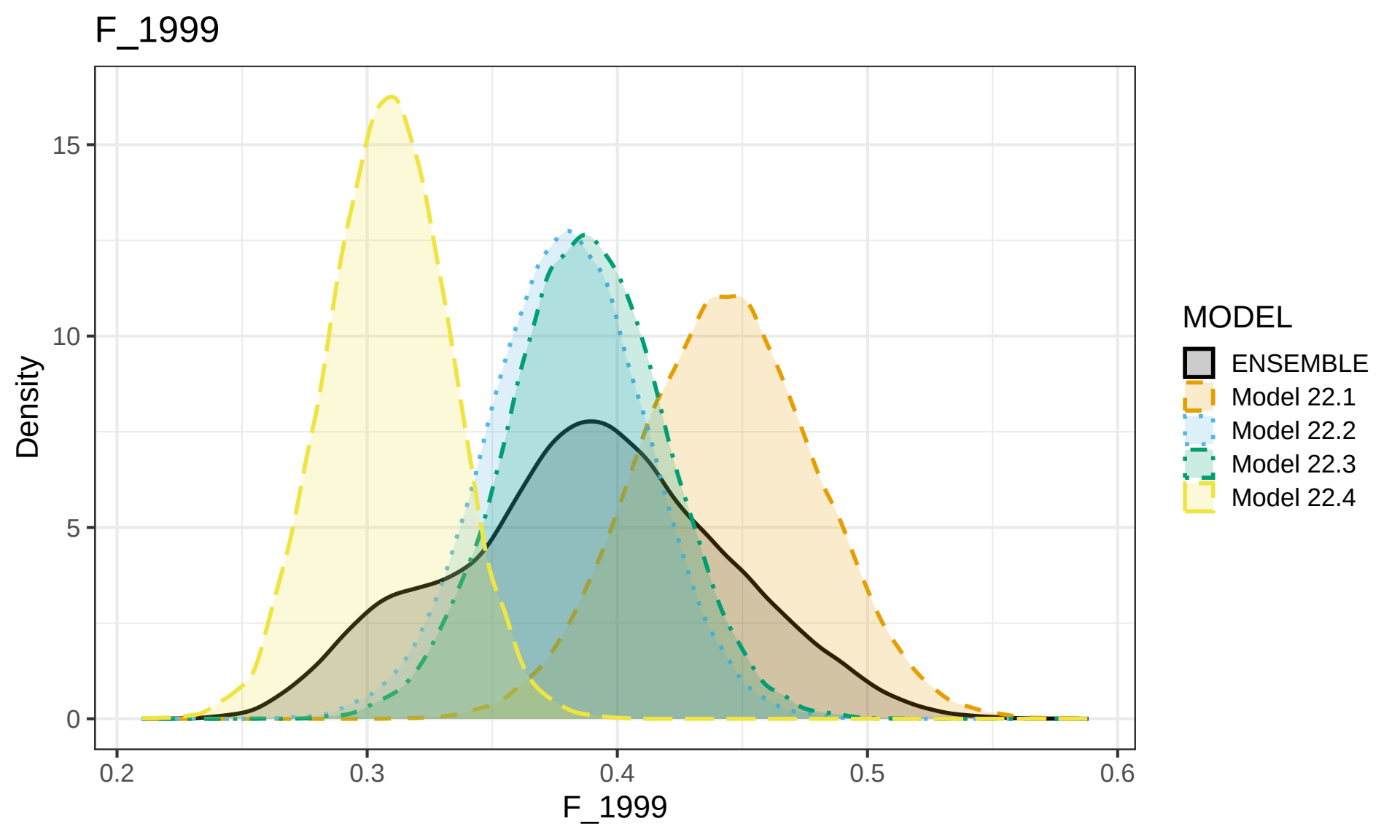
F_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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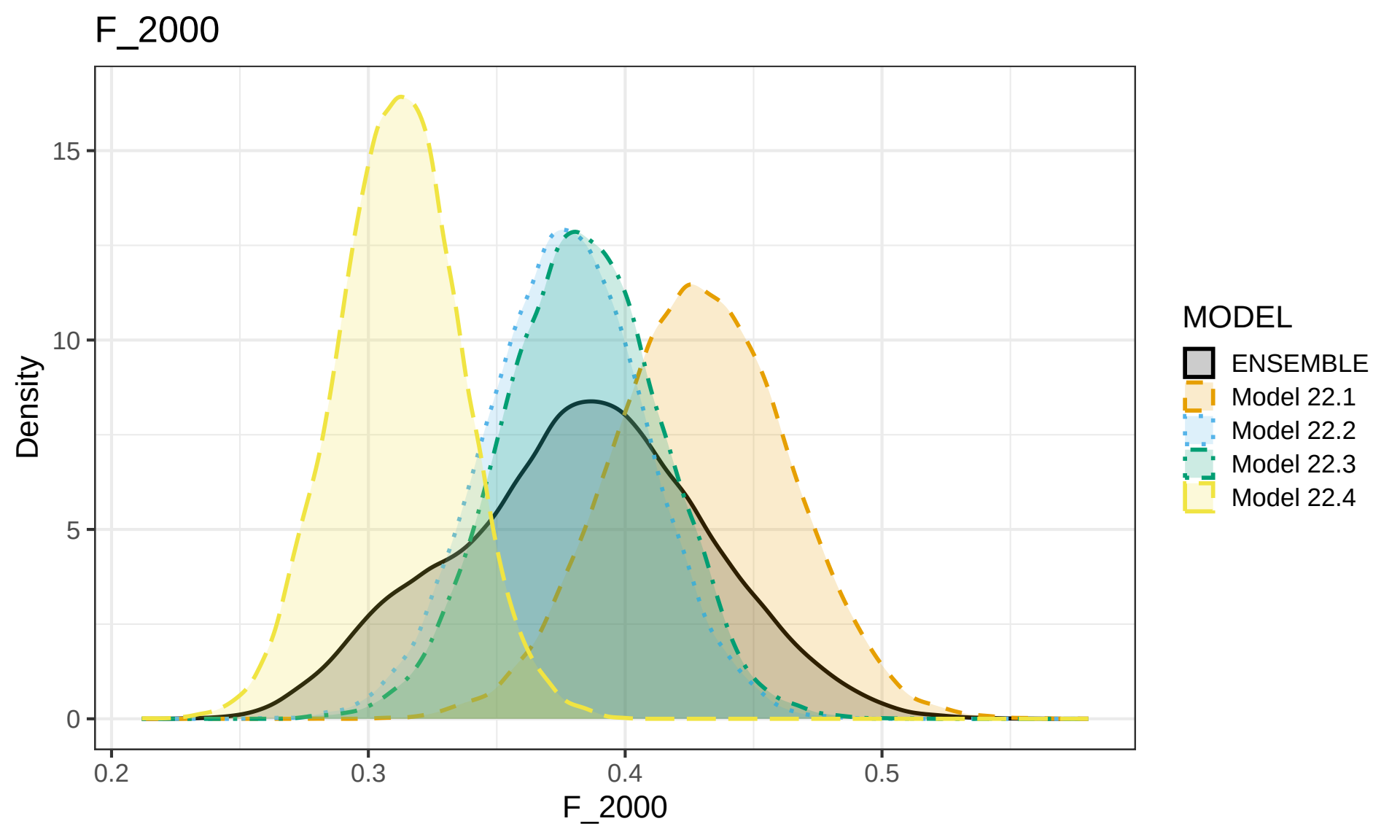
F_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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15
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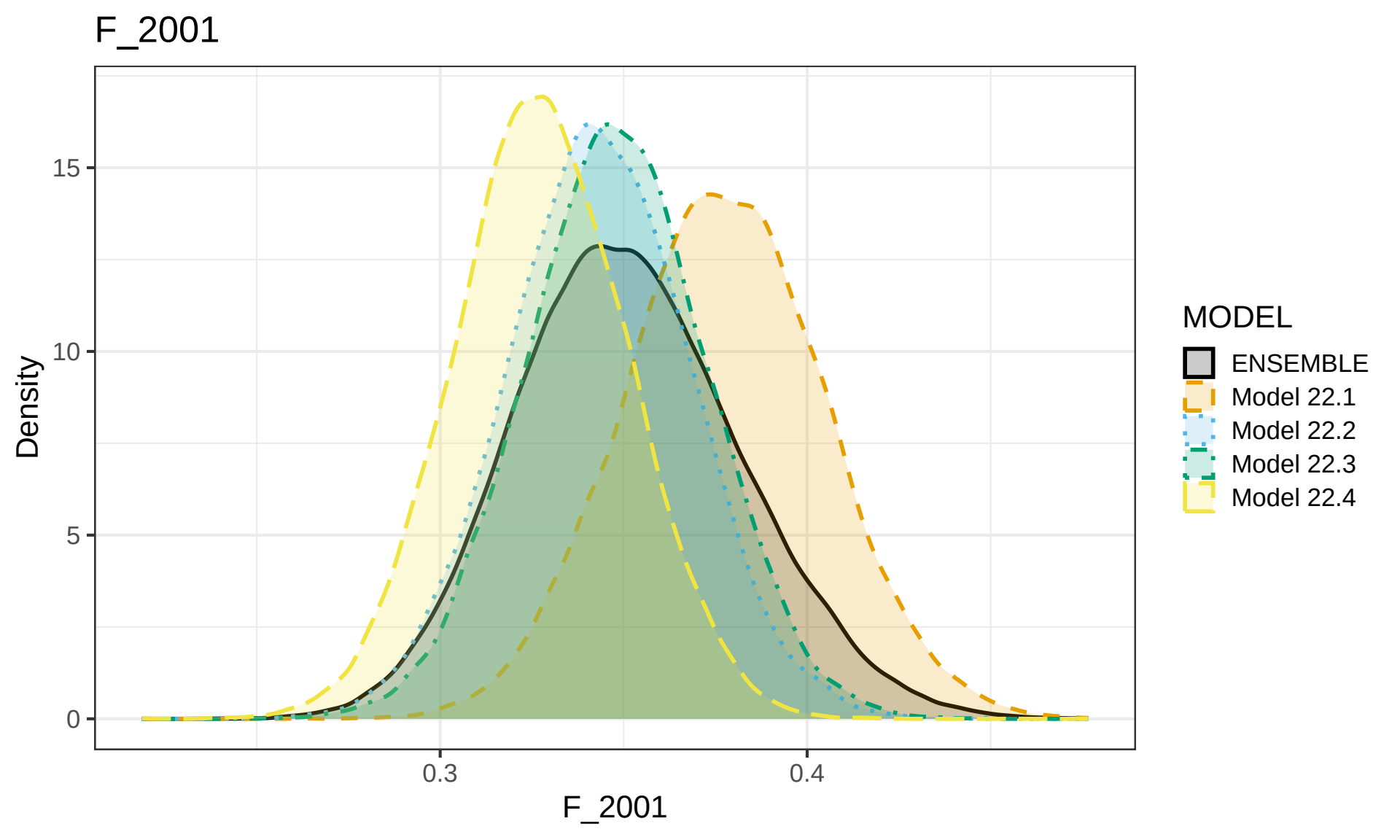
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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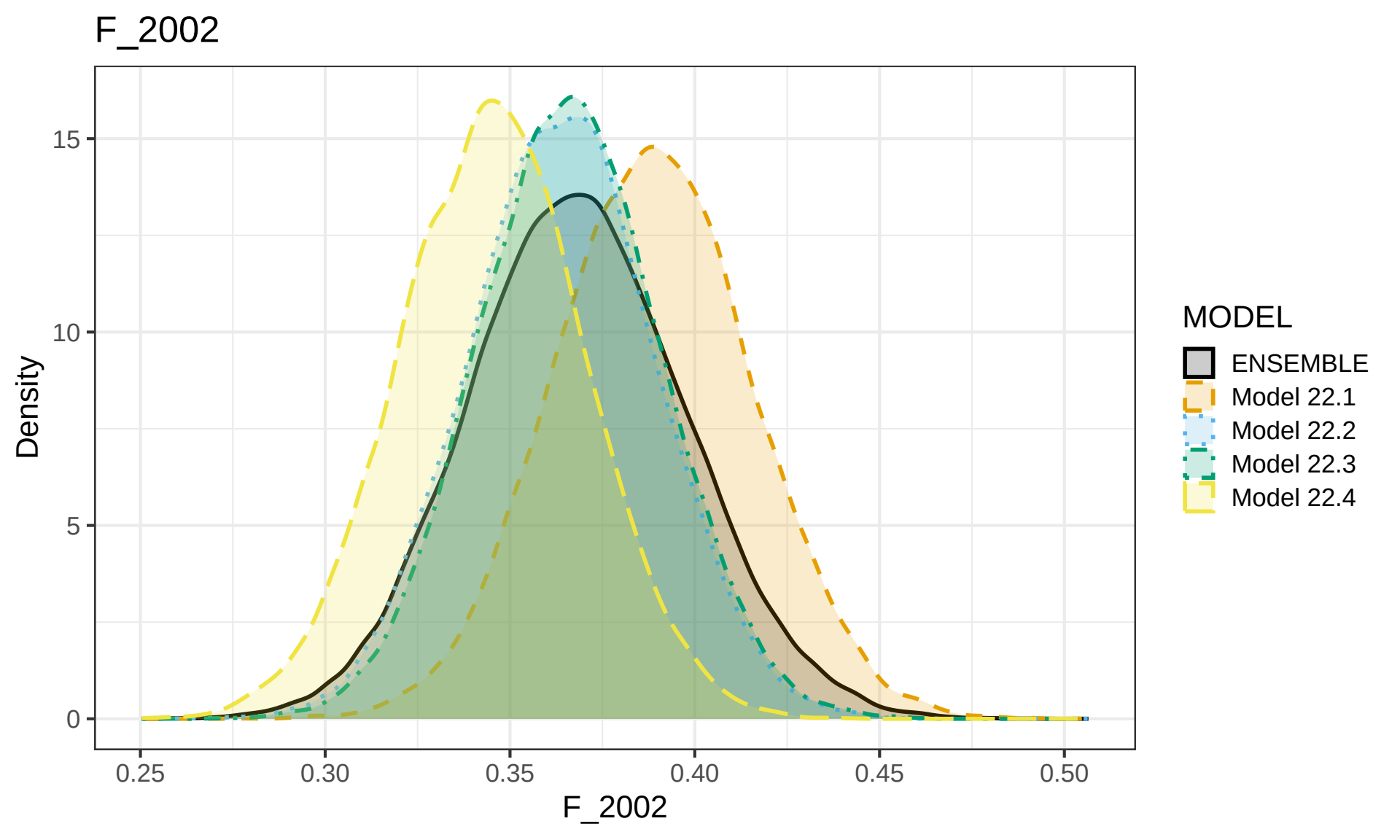
F_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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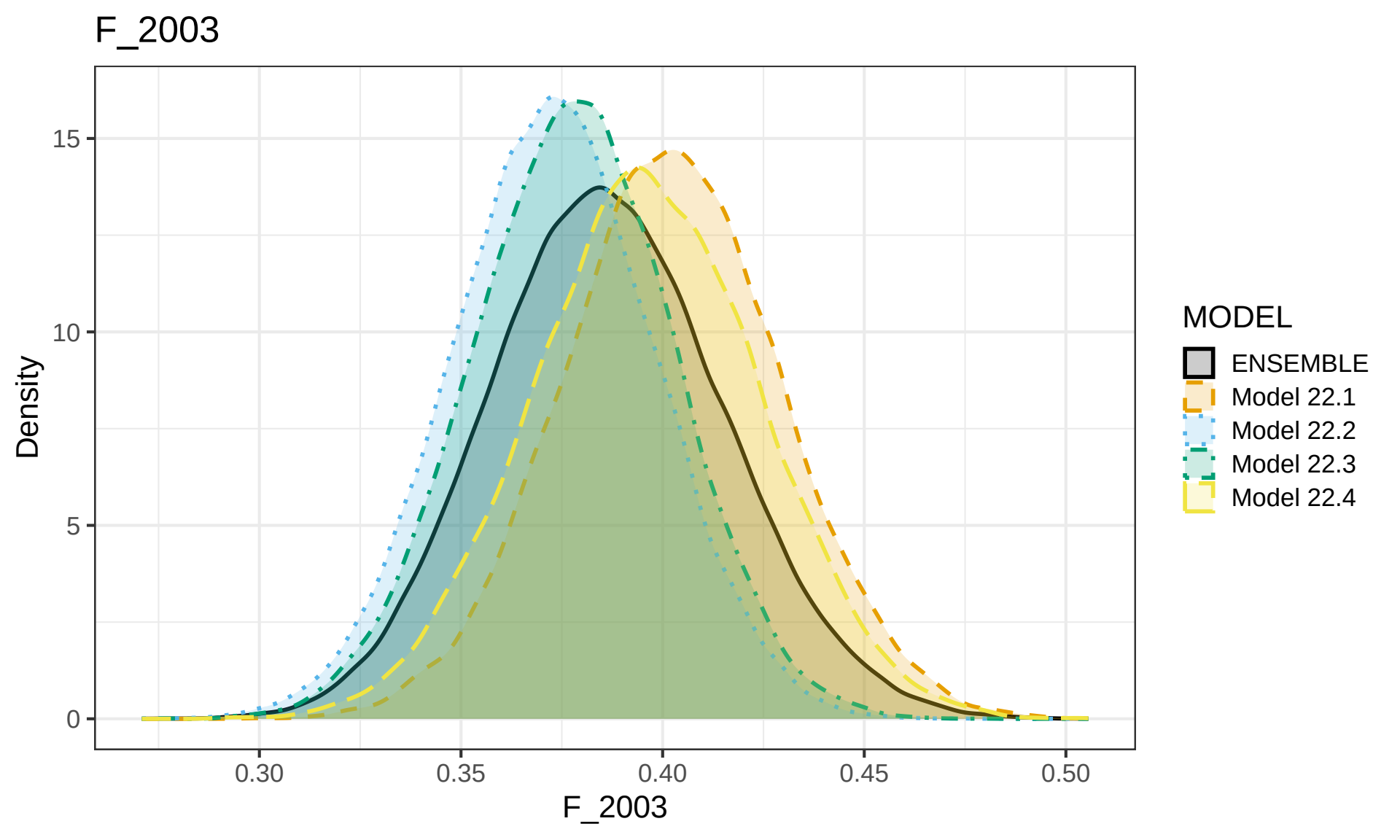
F_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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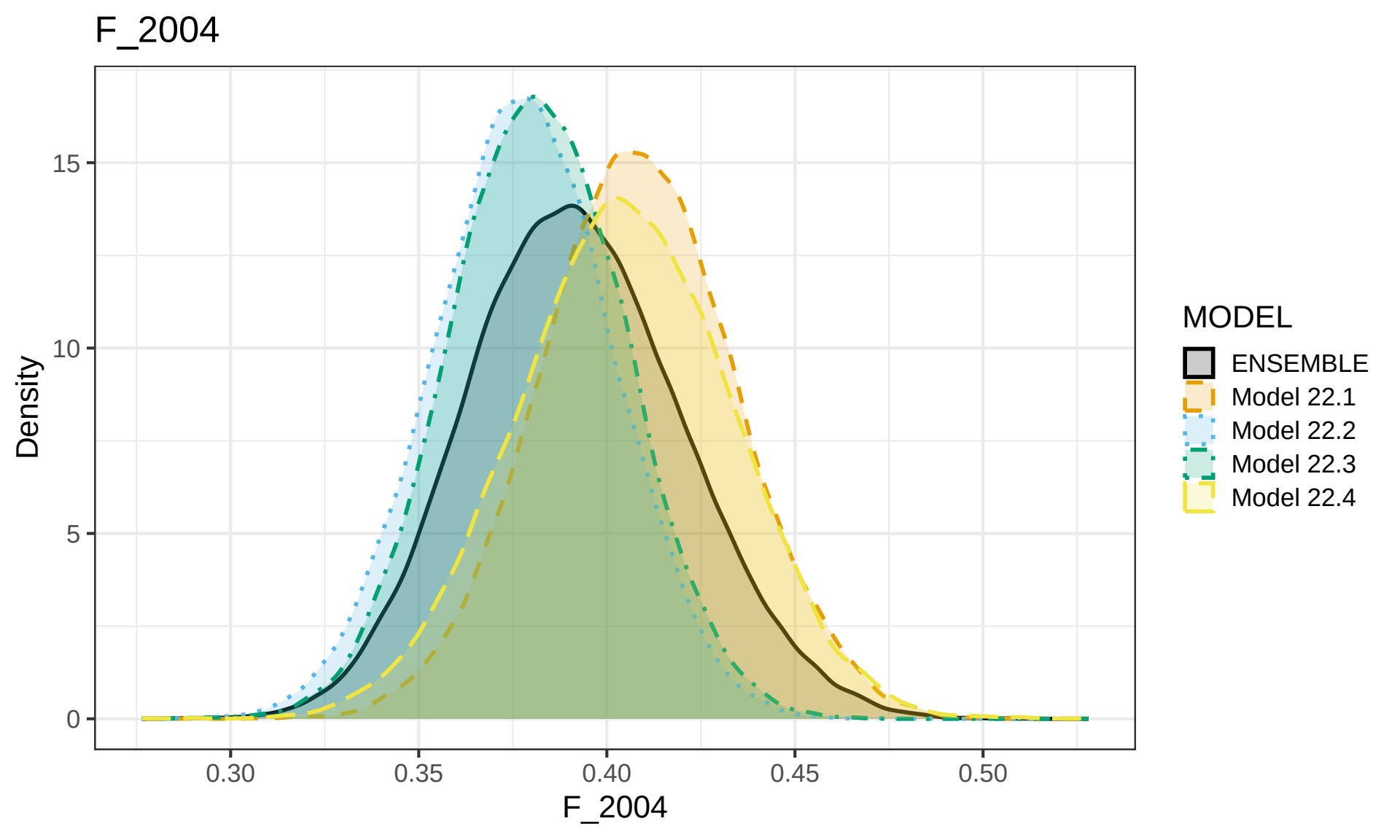
F_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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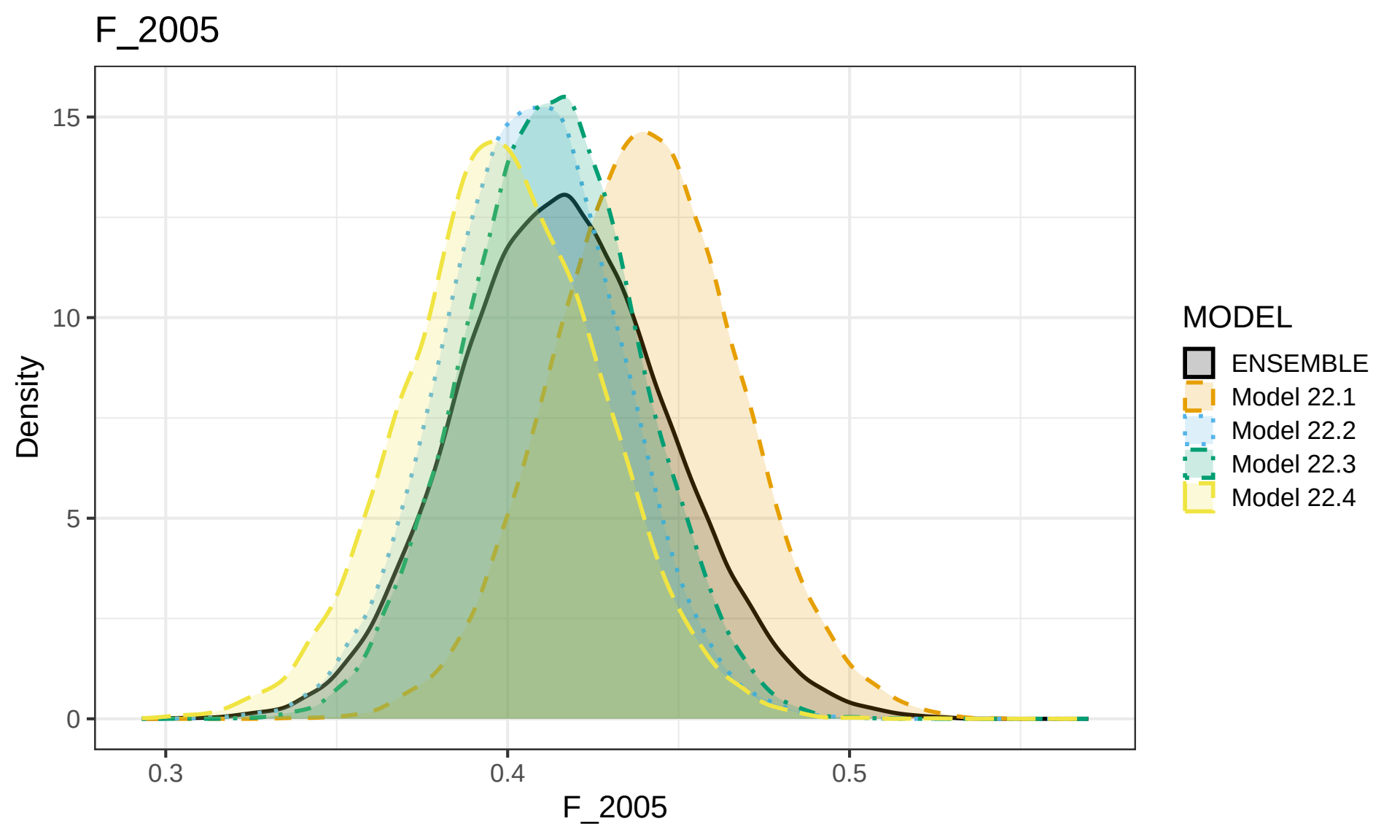
F_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2005
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Density
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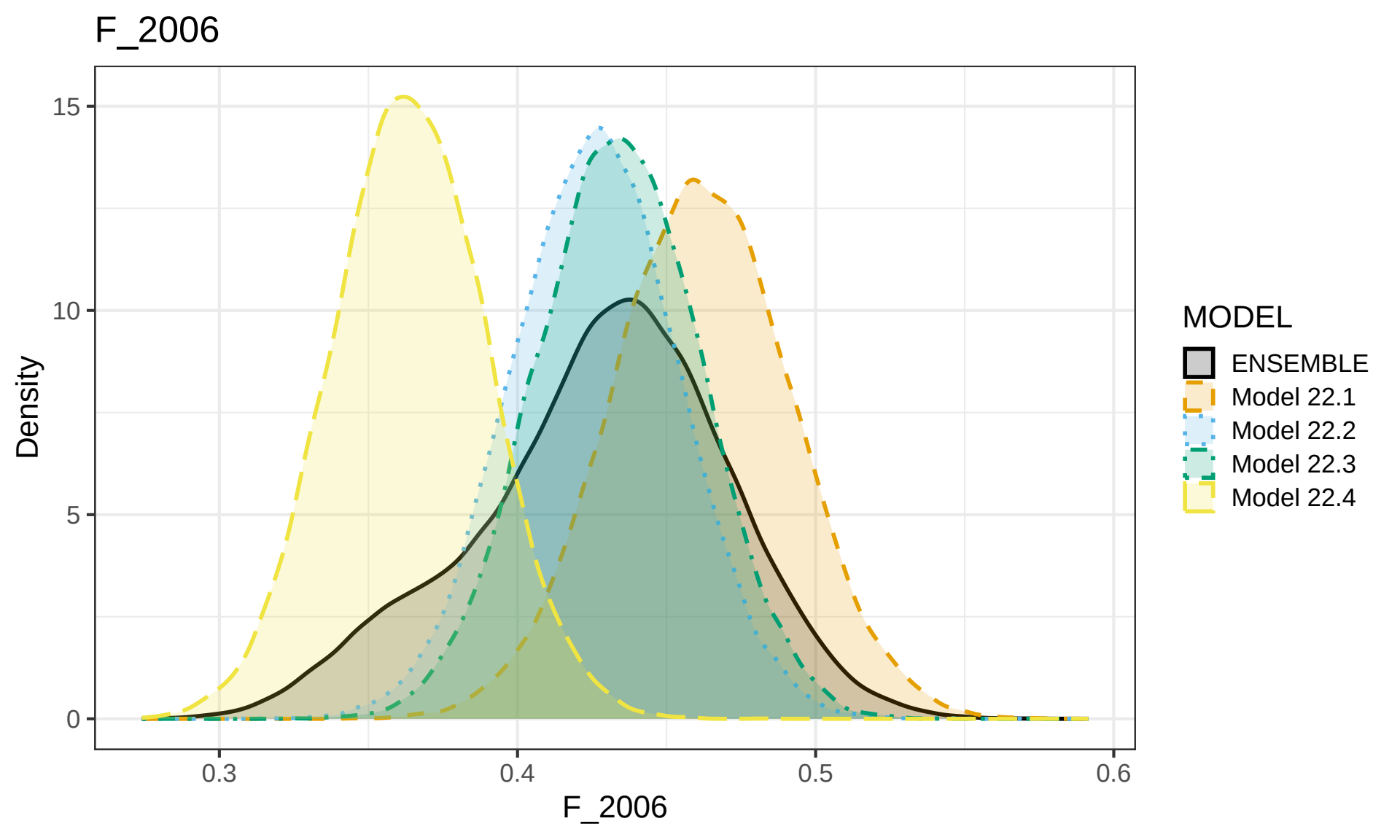
F_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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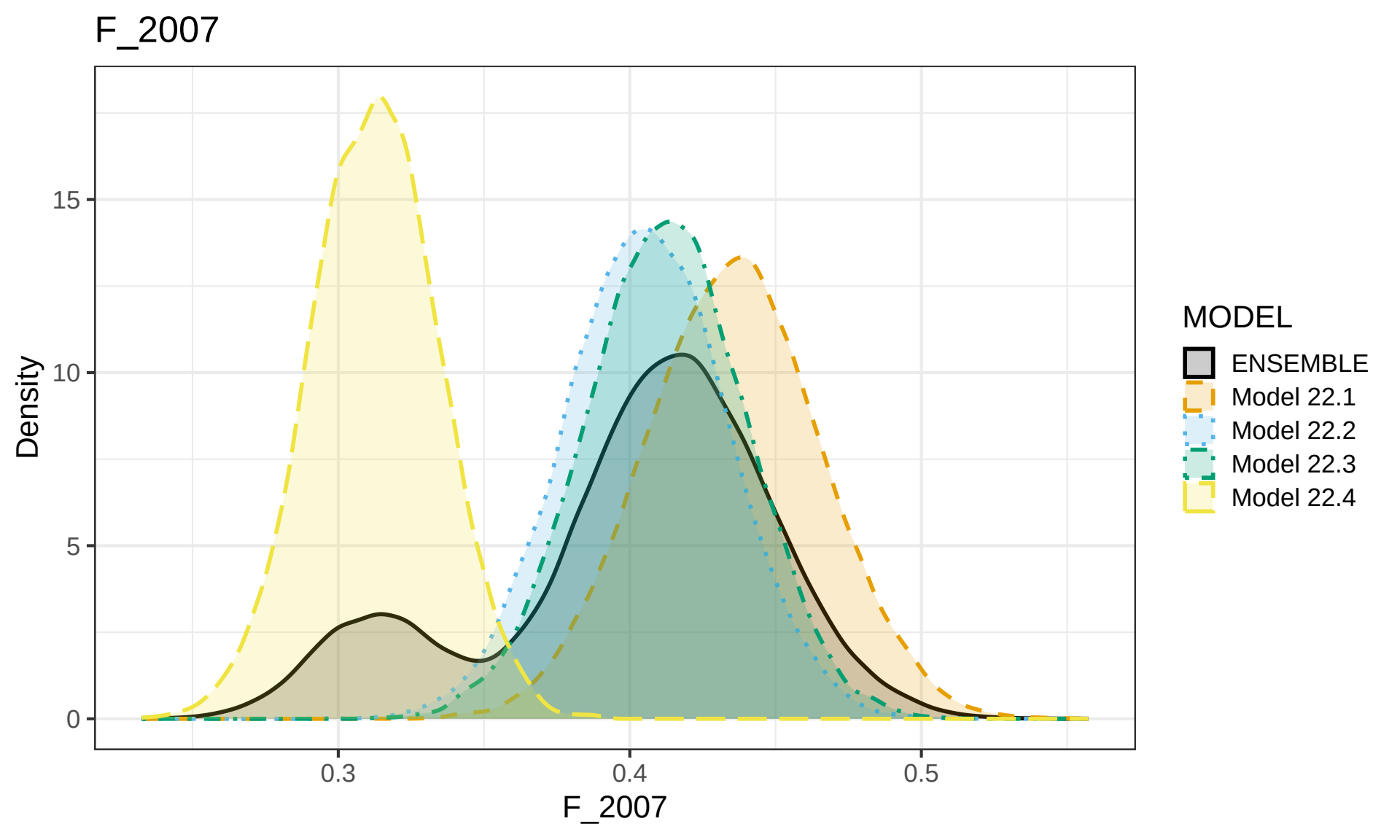
F_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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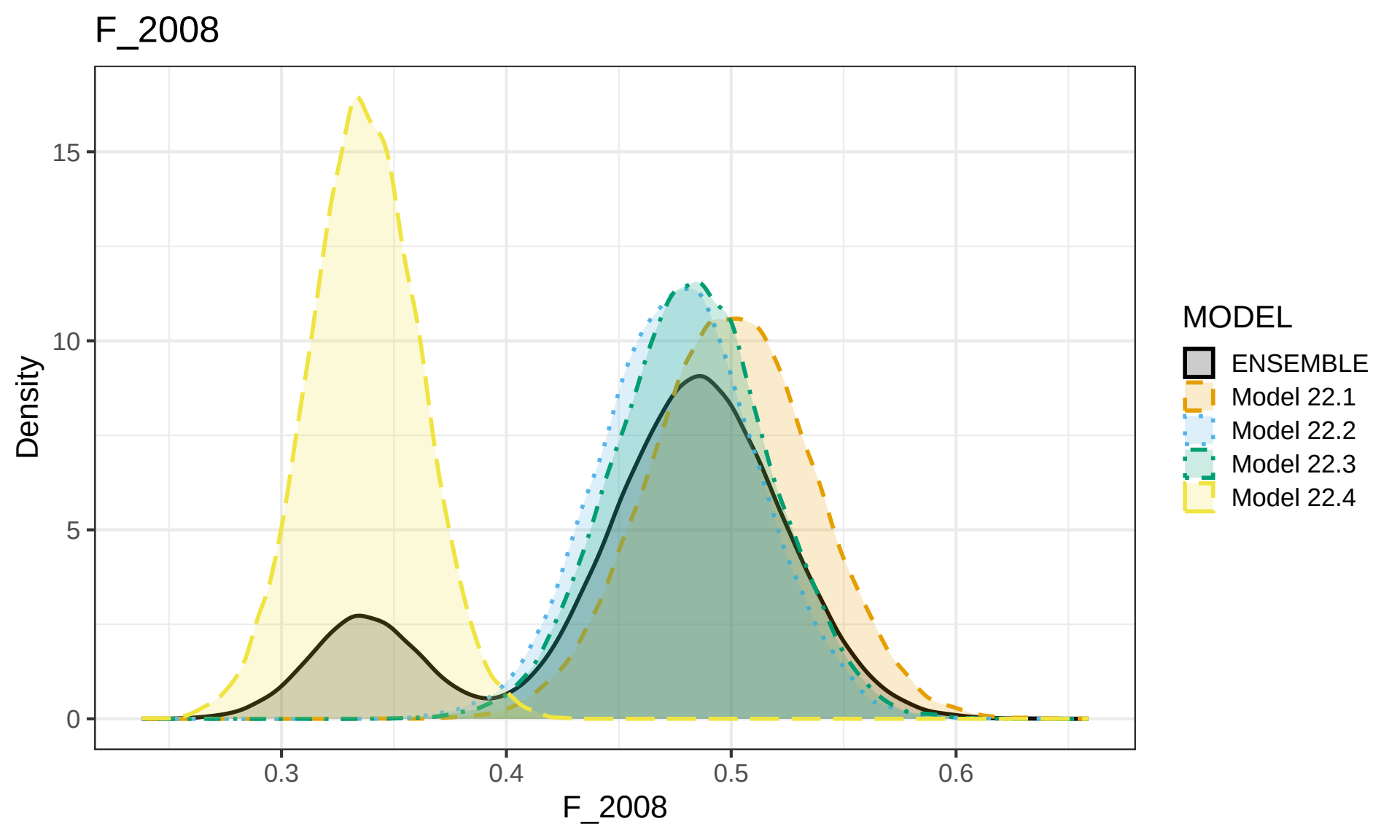
F_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2008
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Density
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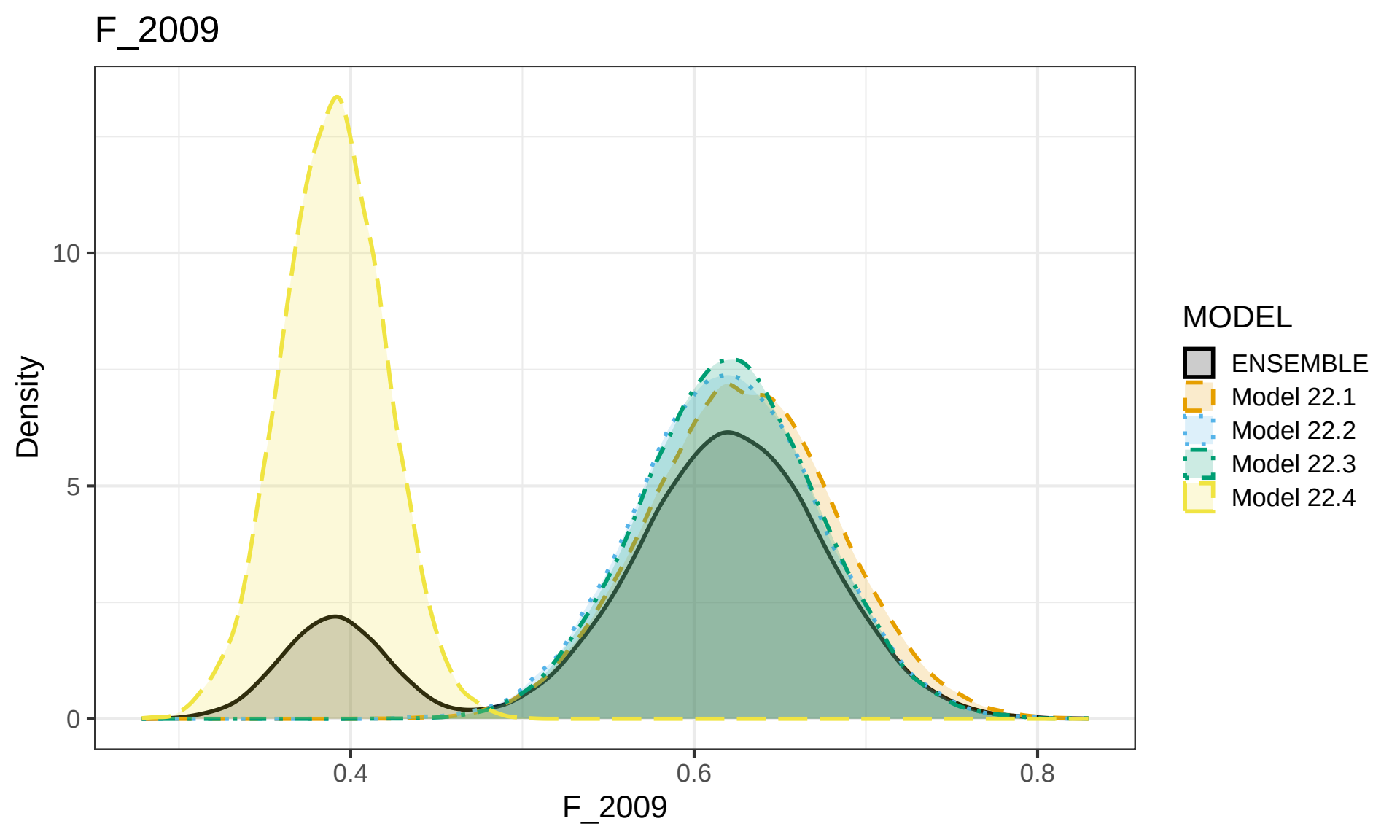
F_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2009
Density
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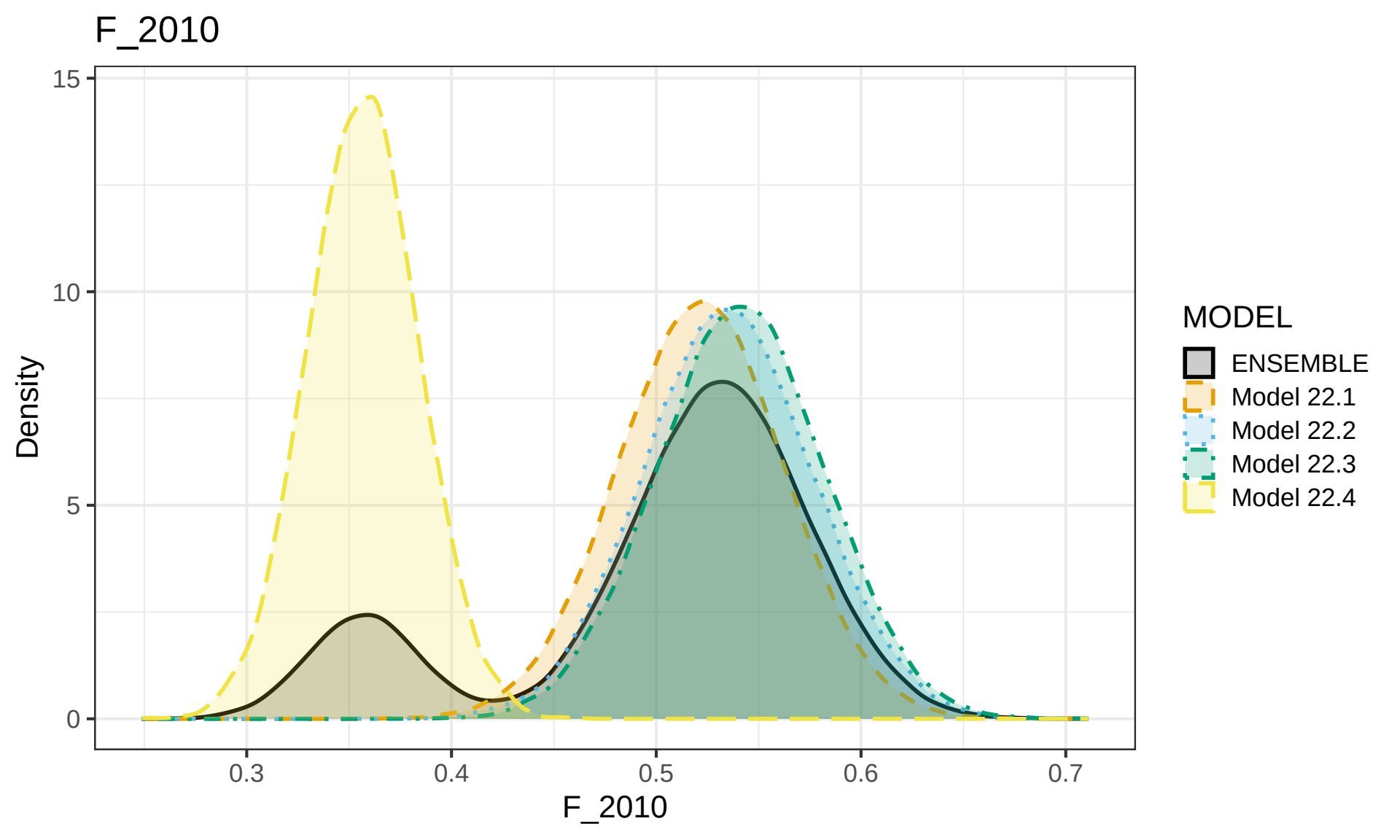
F_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2010
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Density
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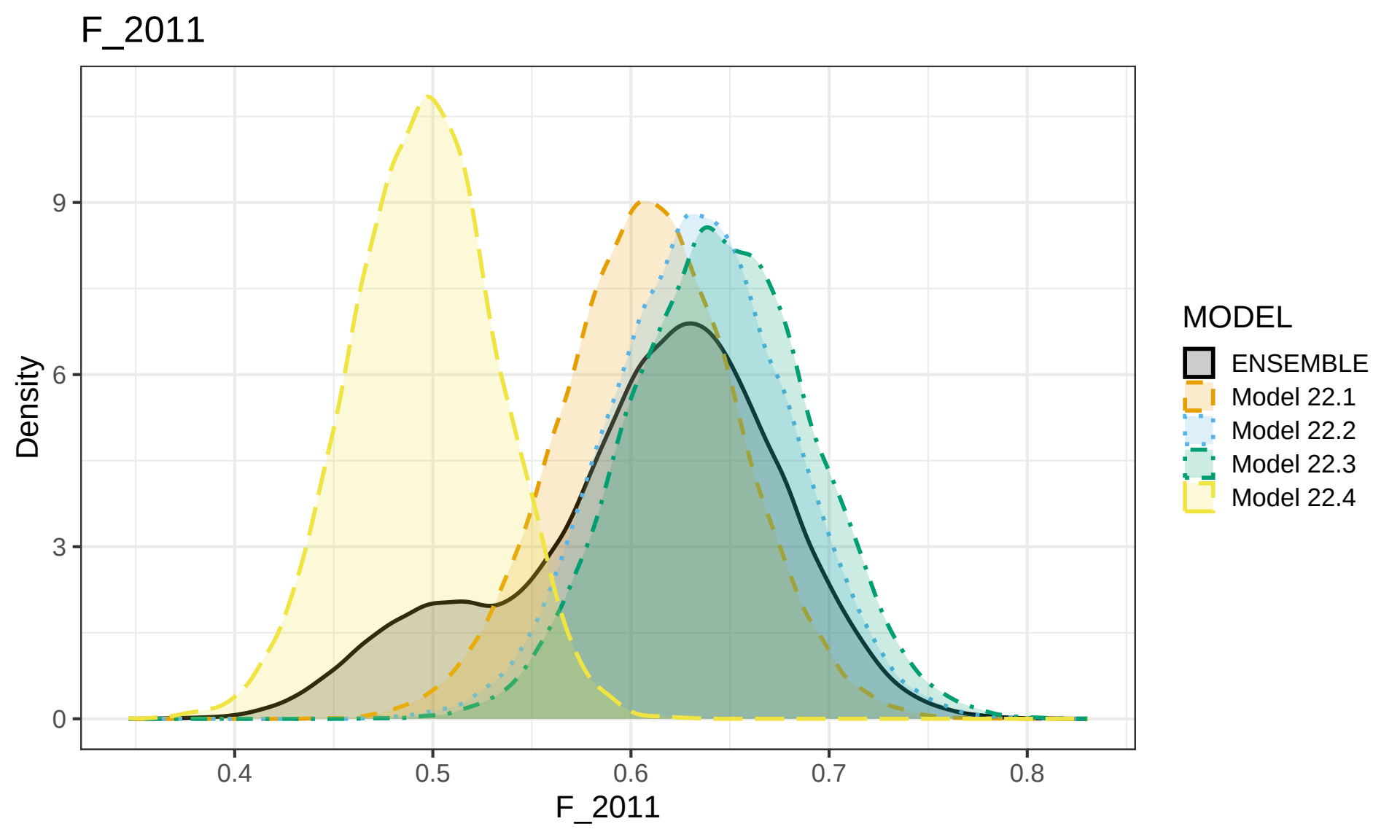
F_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2011
Density
9
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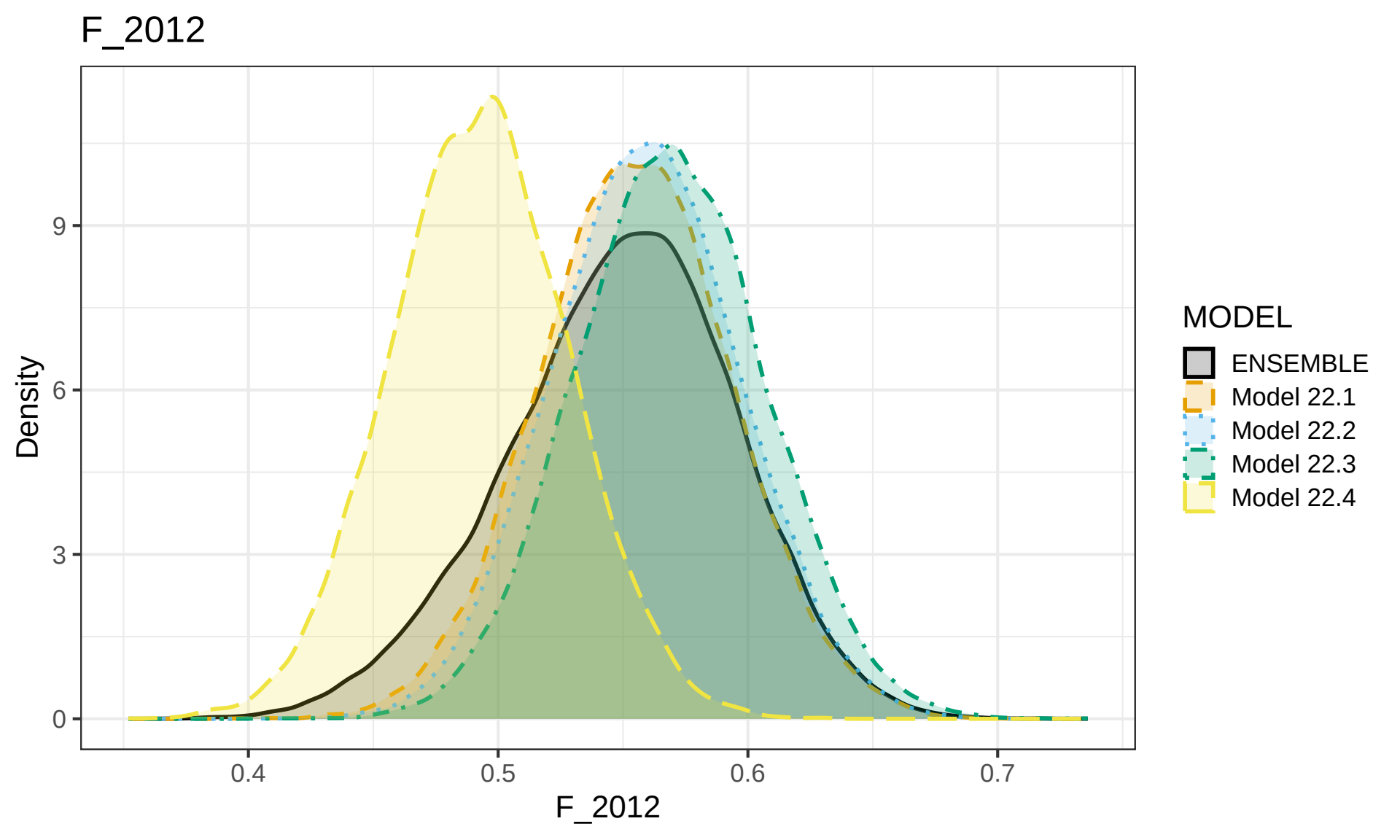
0.8
F_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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F_2012
MODEL
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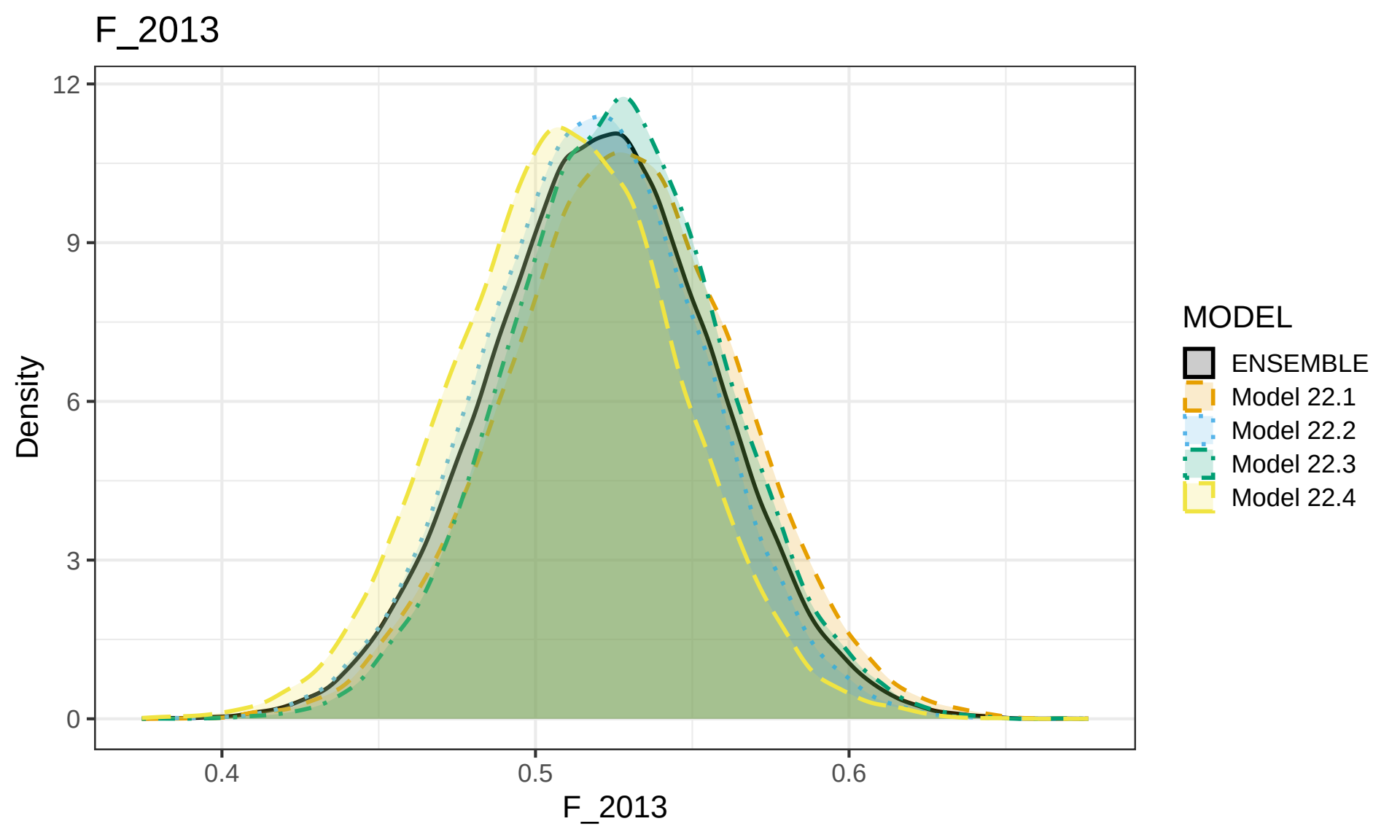
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2013
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Density
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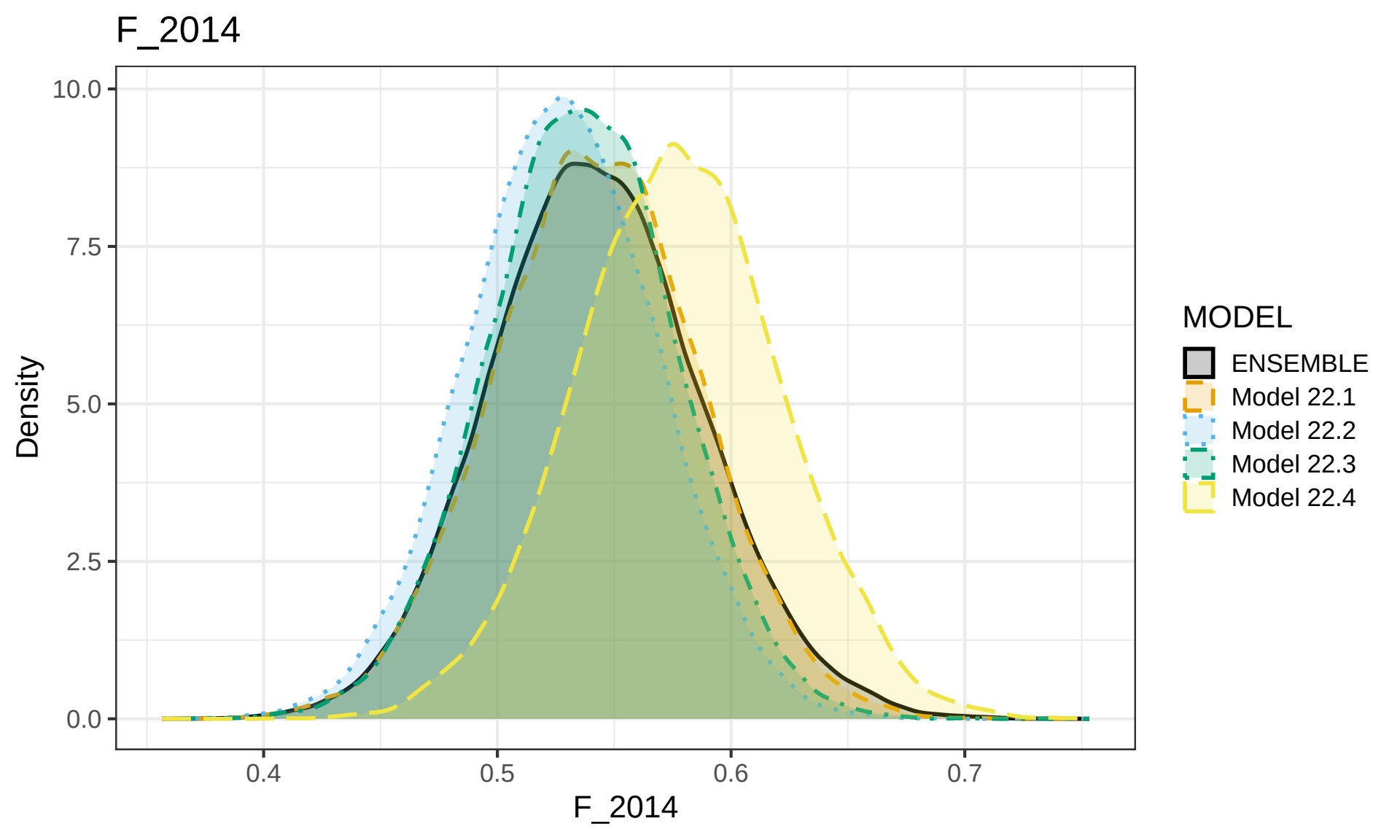
F_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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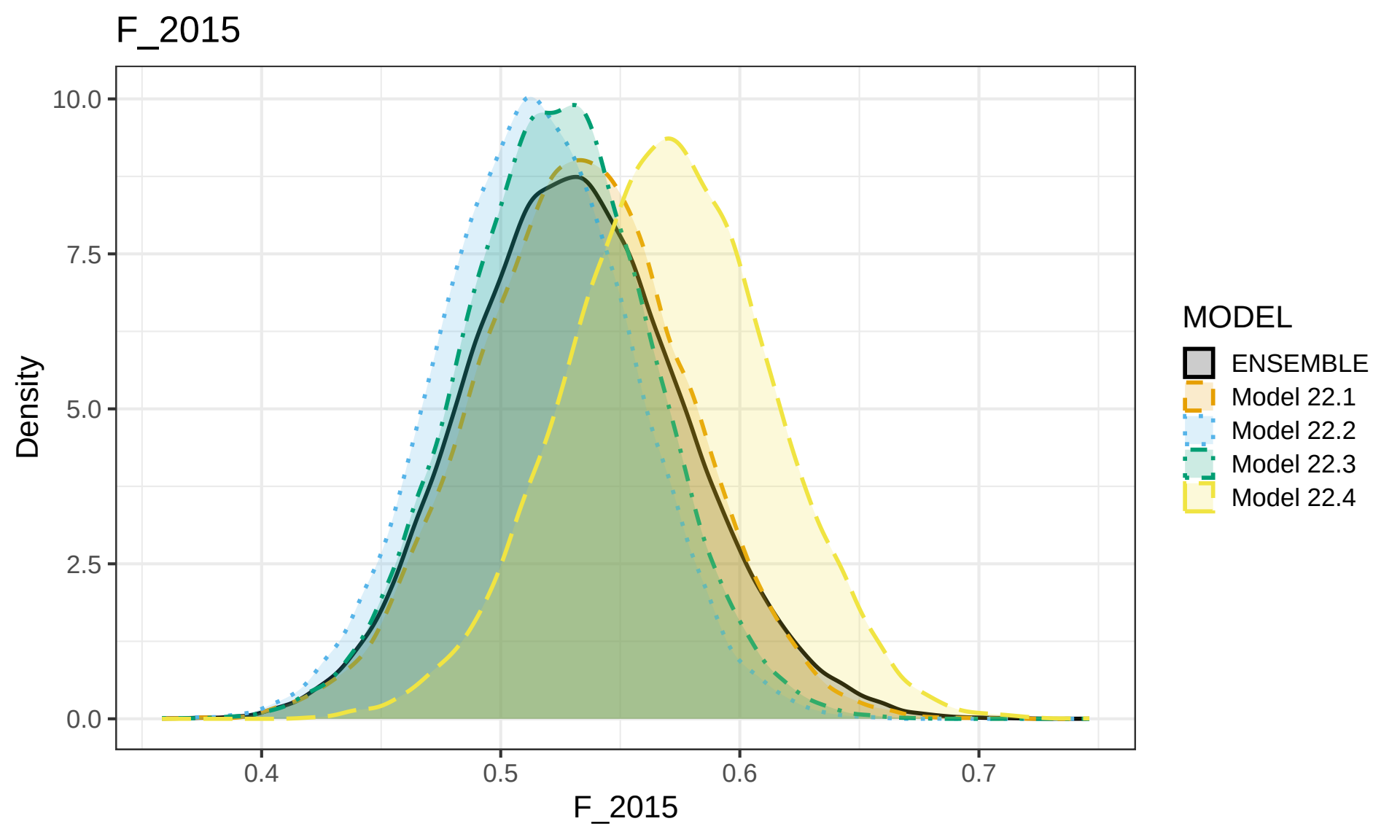
F_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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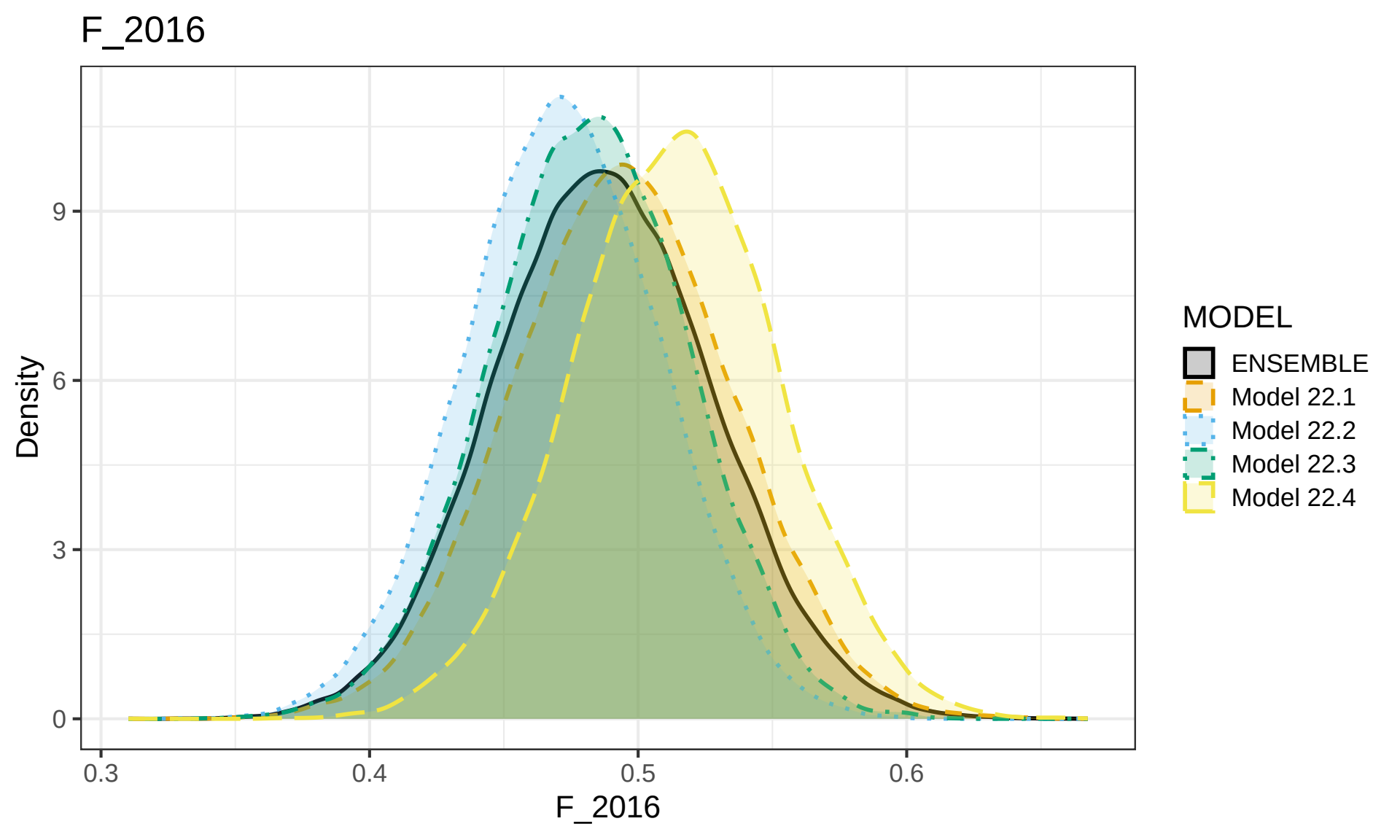
F_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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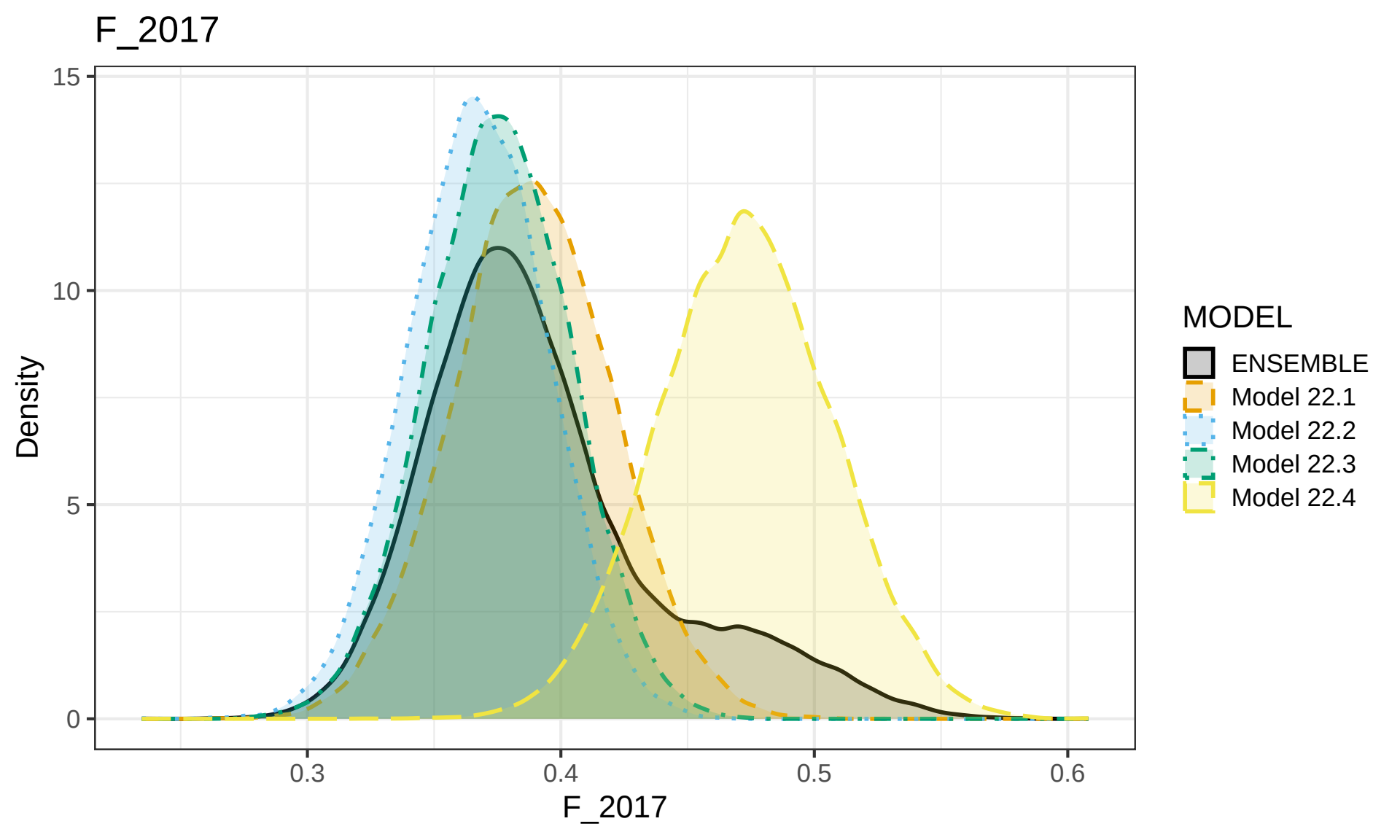
F_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2017
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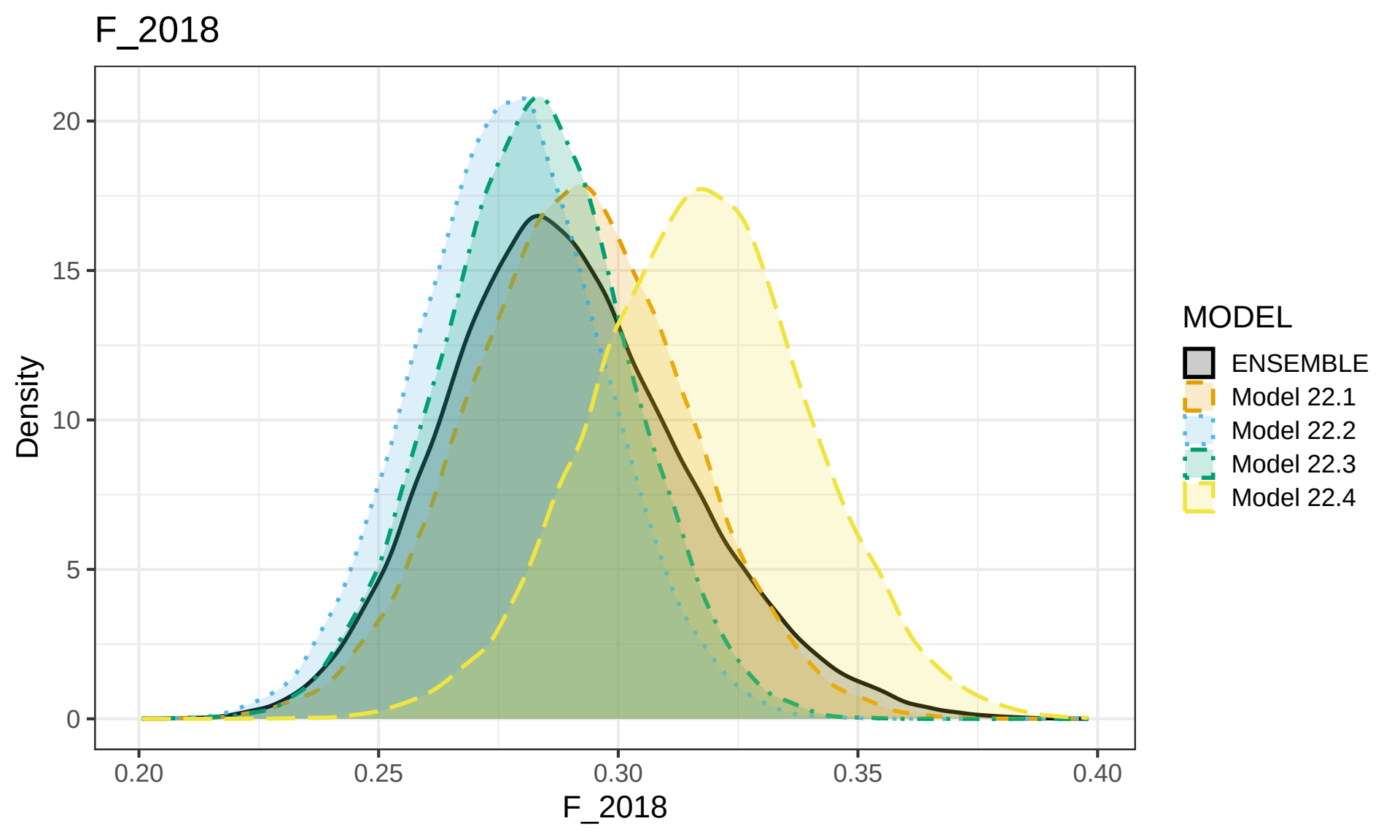
F_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2018
Density
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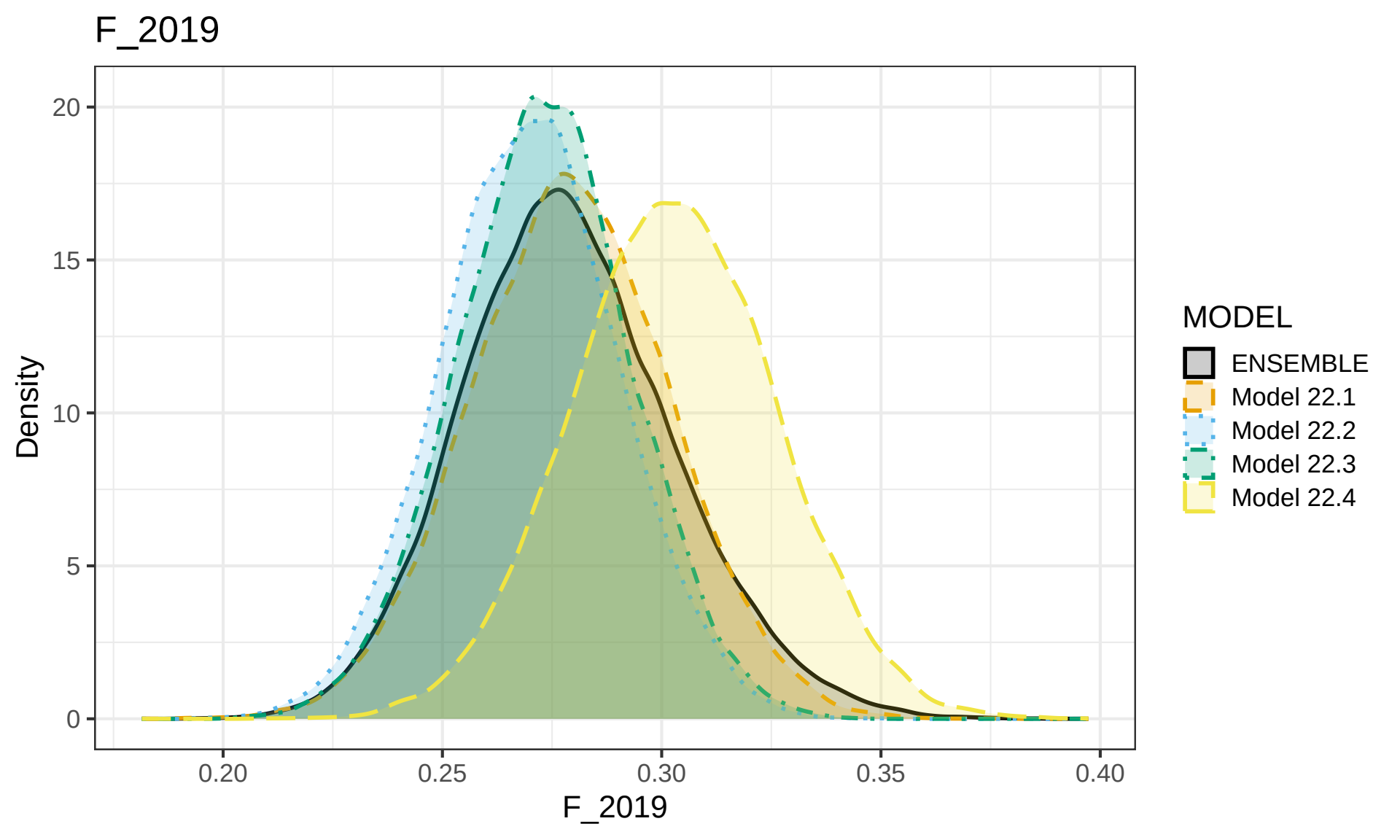
F_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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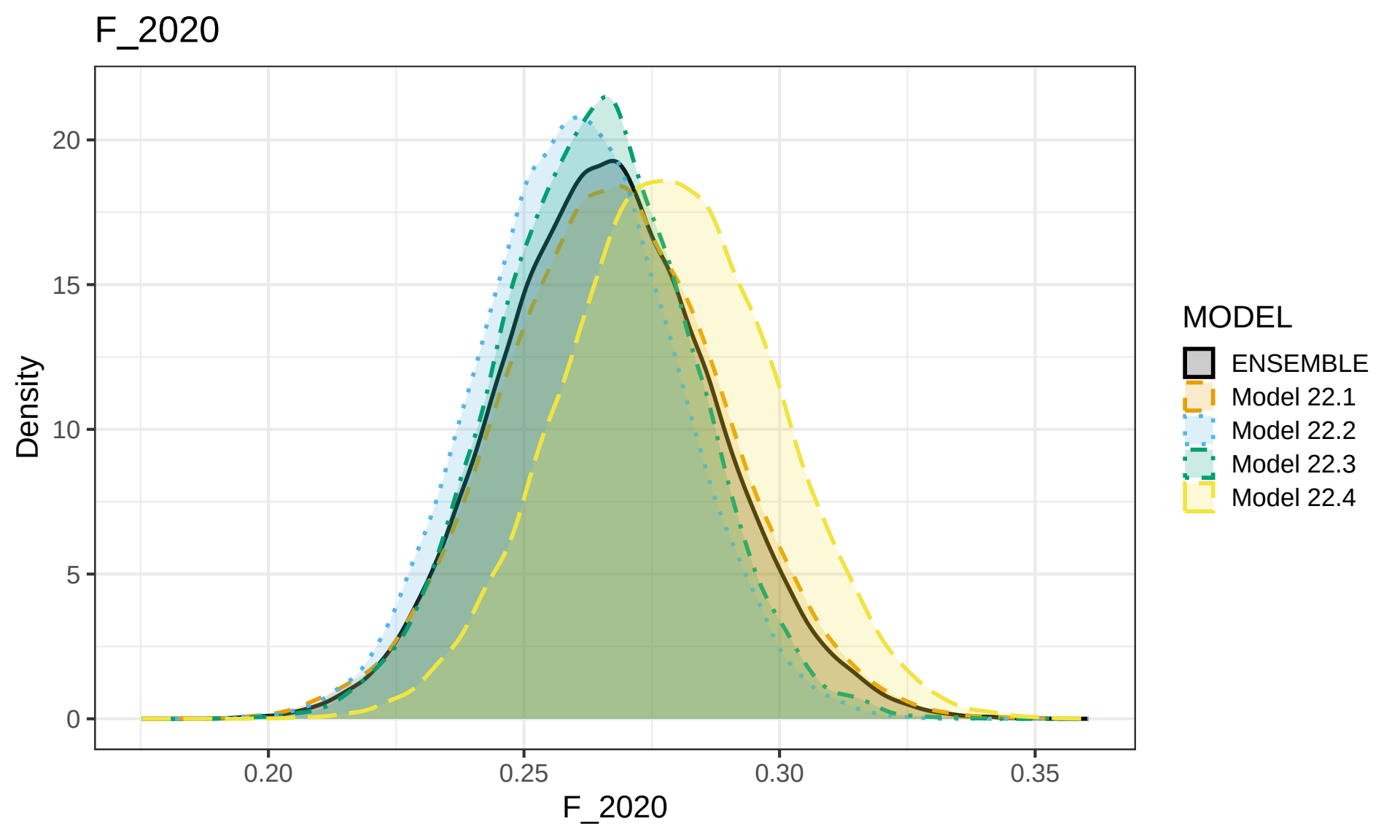
F_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2020
Density
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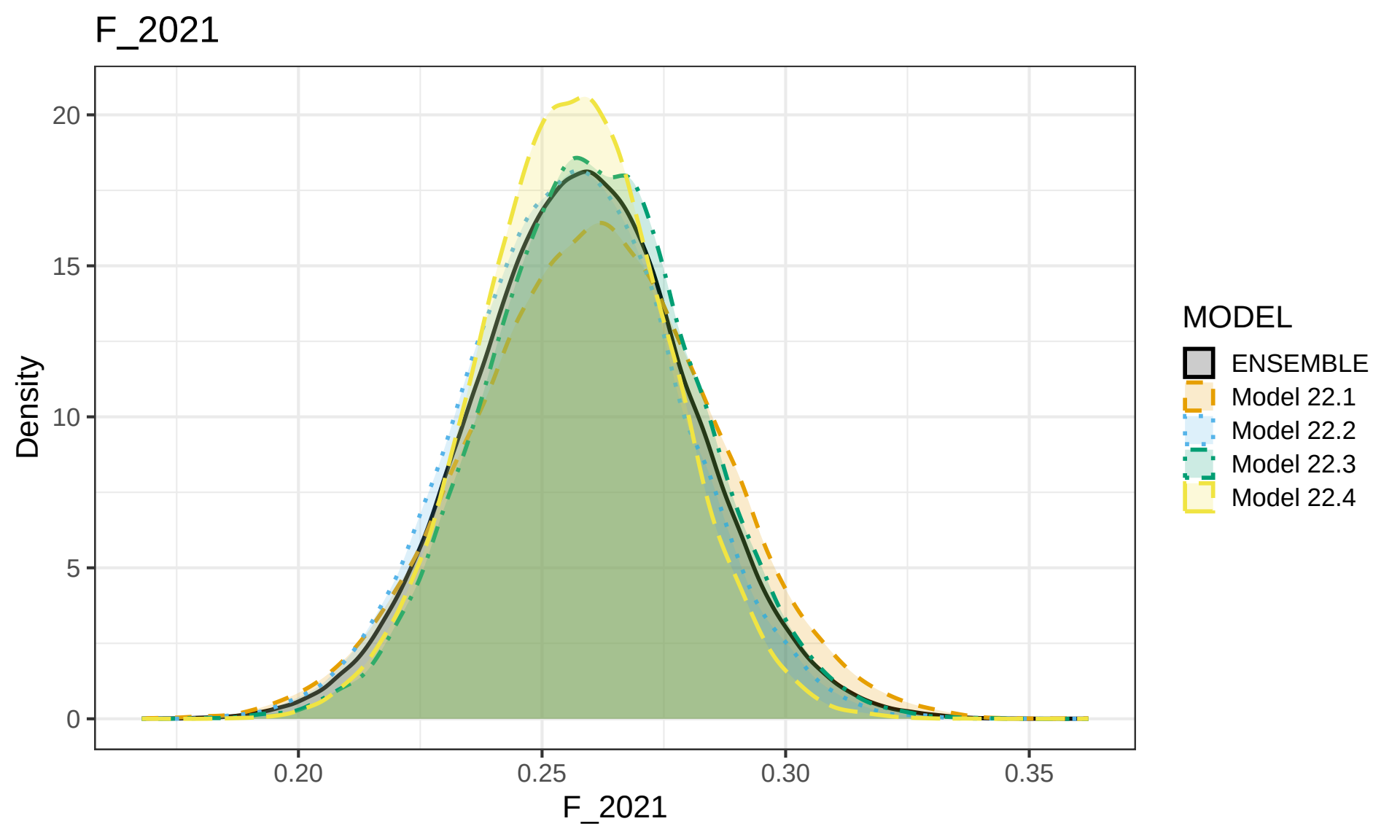
F_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2021
Density
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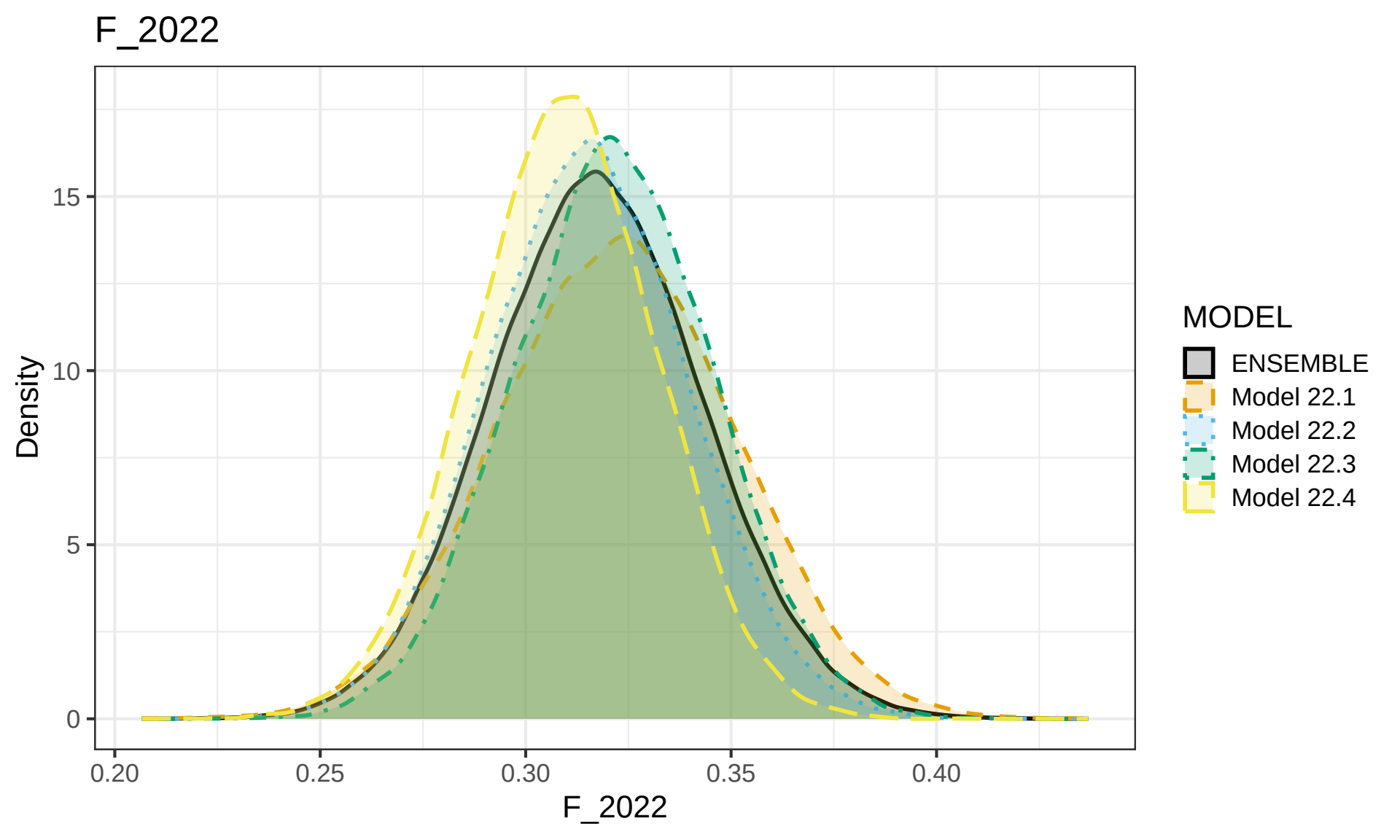
F_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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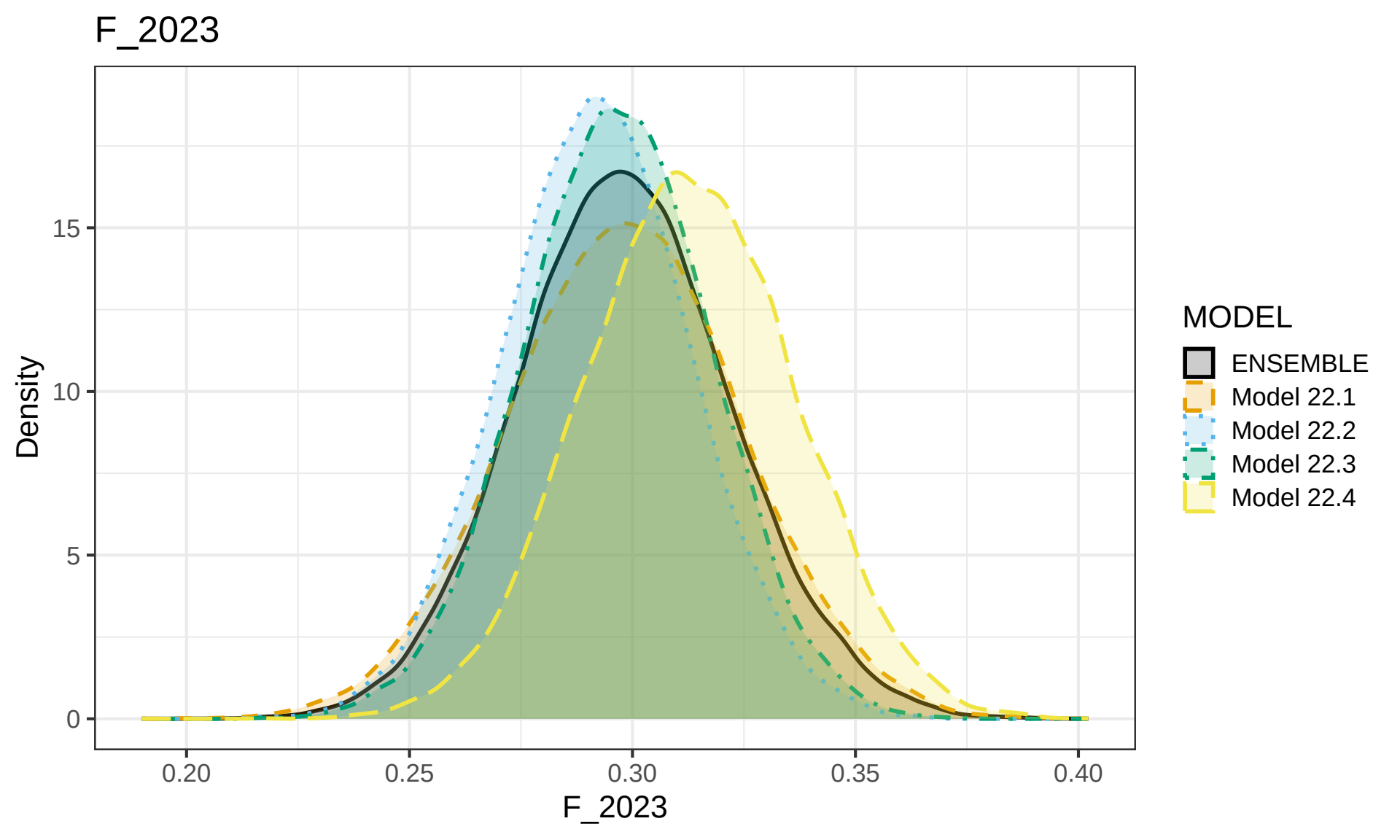
F_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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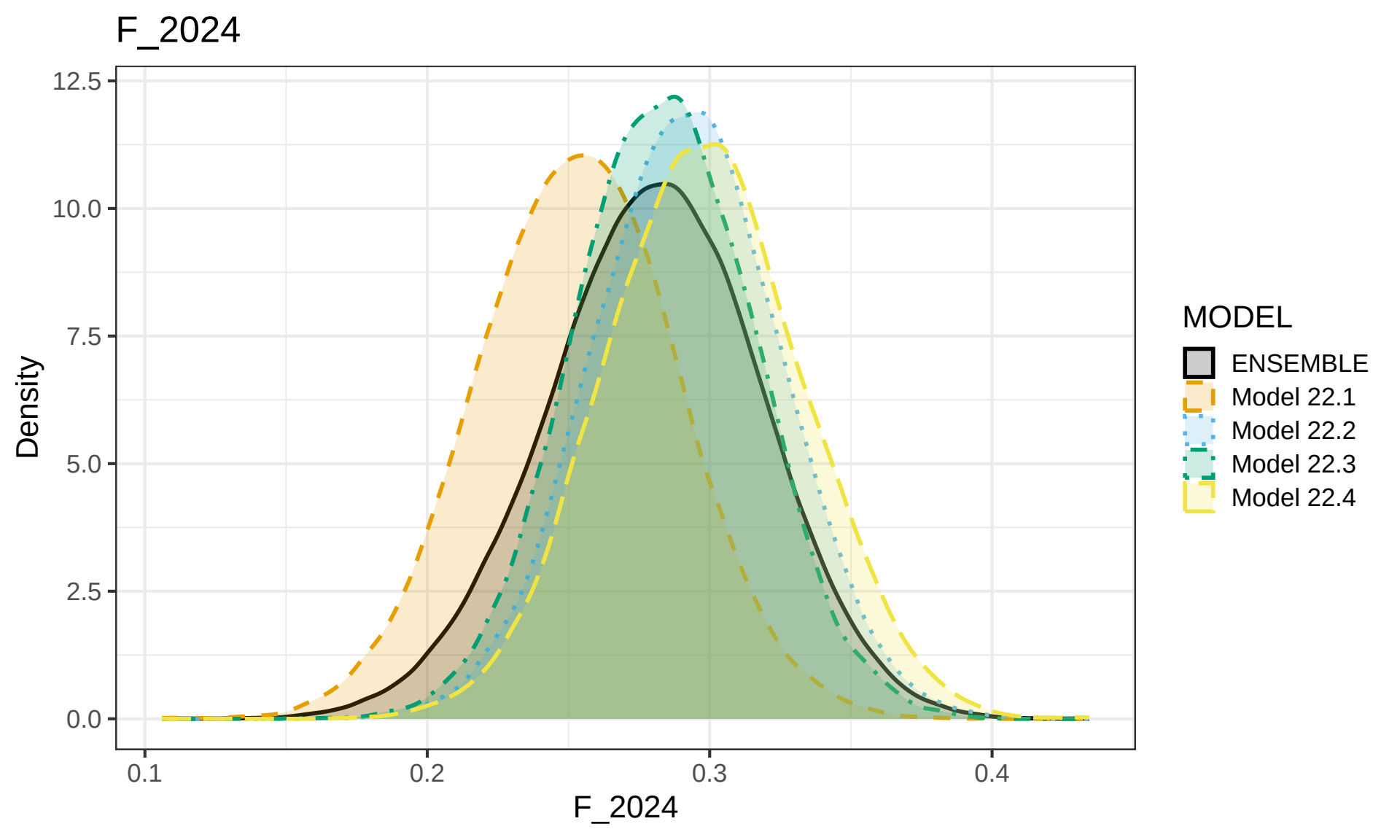
F_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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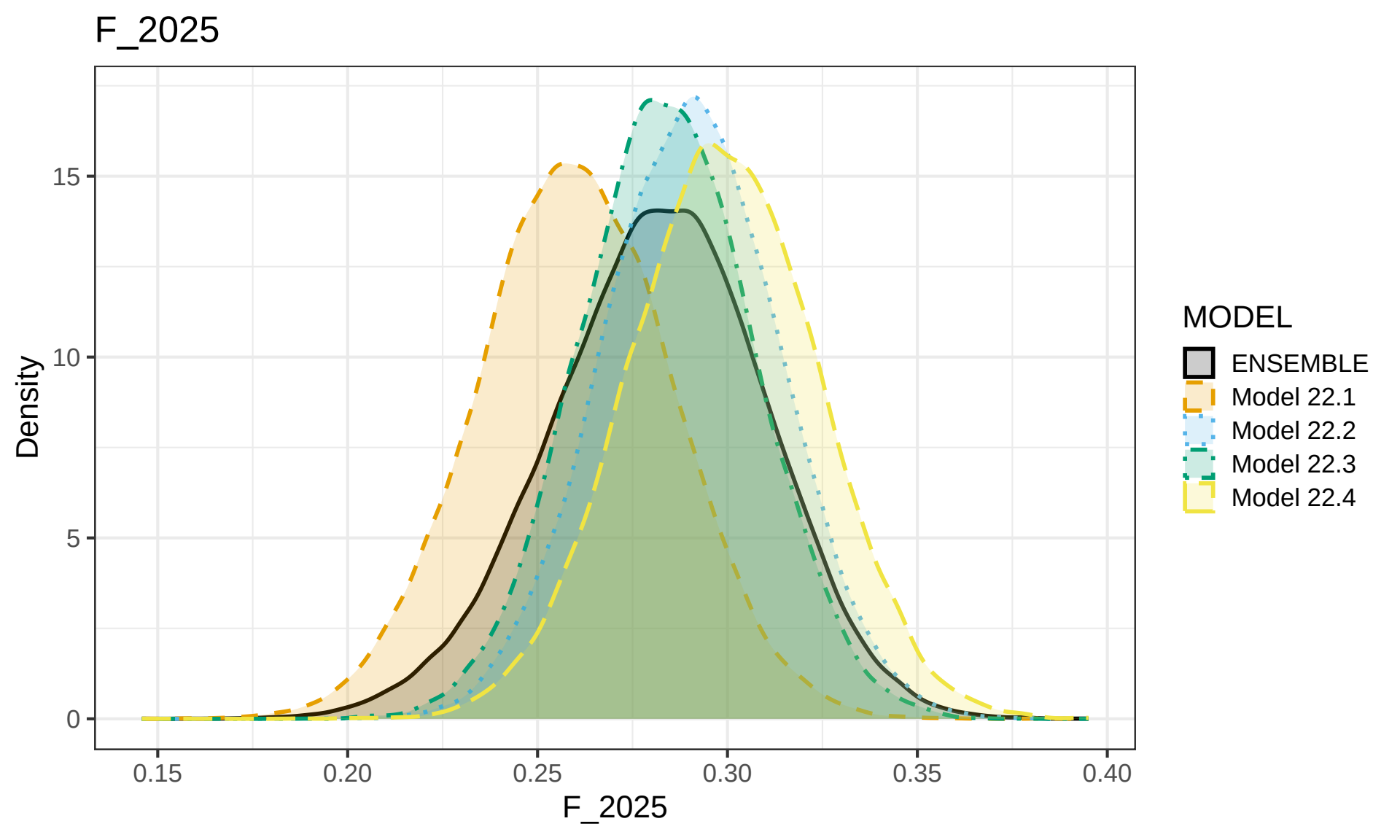
0.3
0.4
F_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2025
Density
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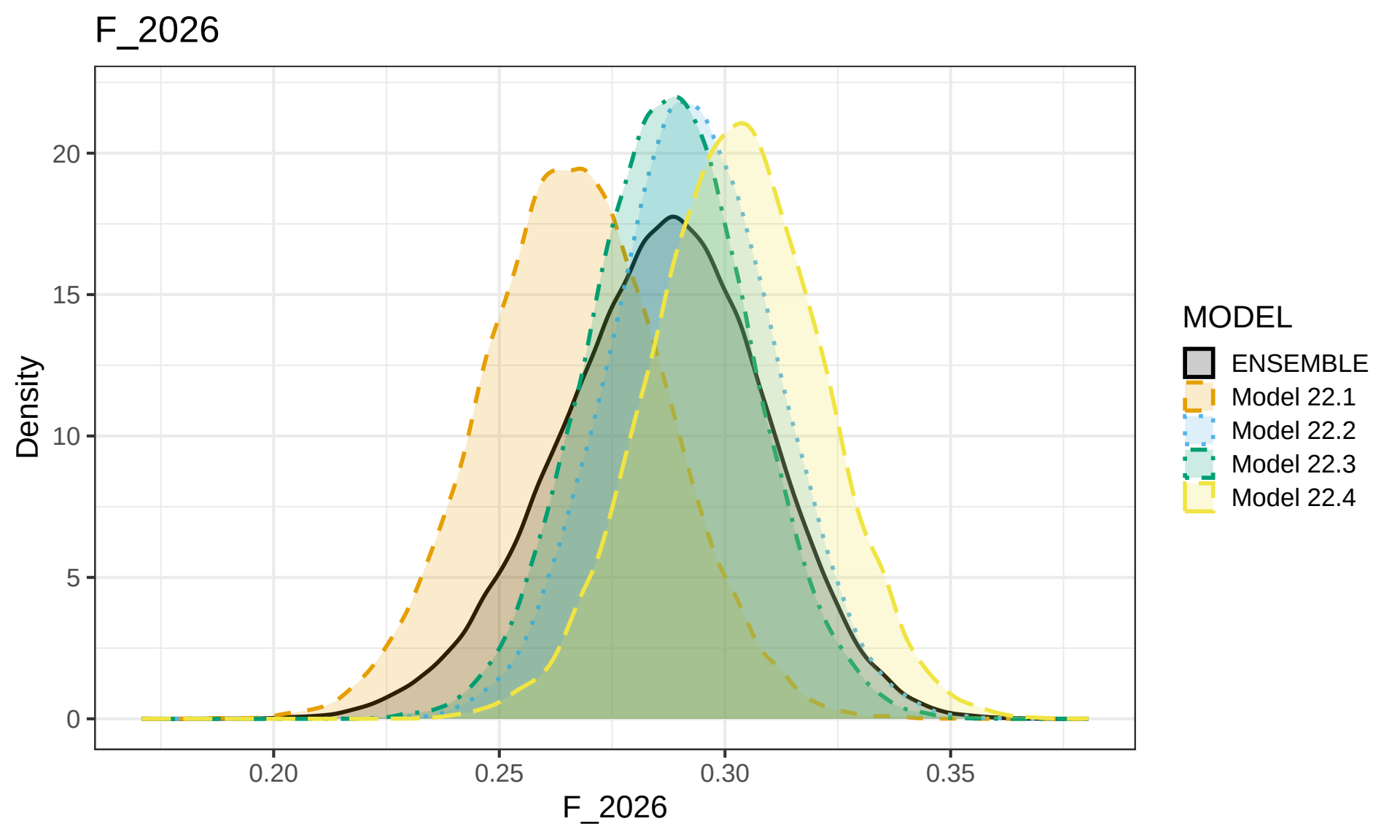
0.35
0.40
F_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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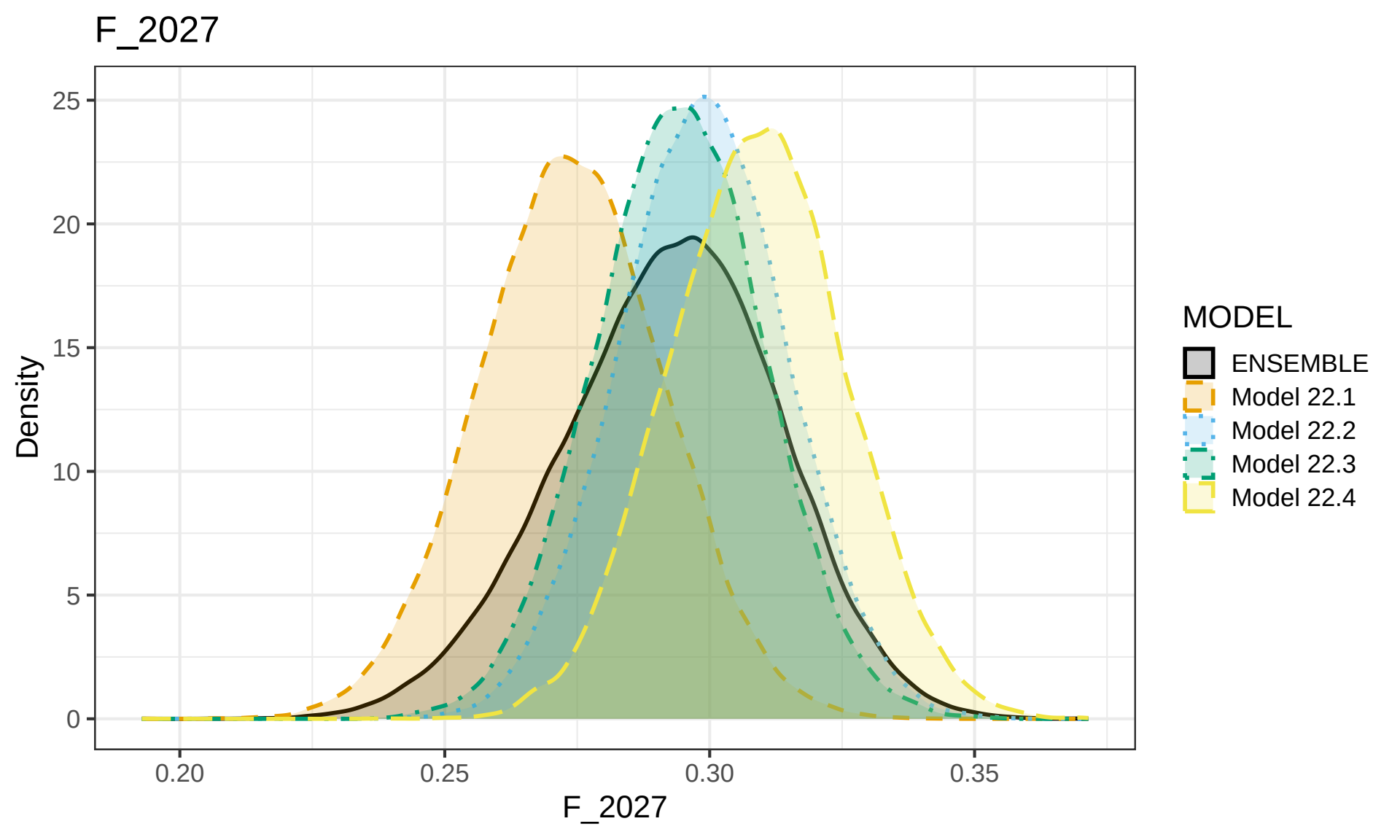
F_2026
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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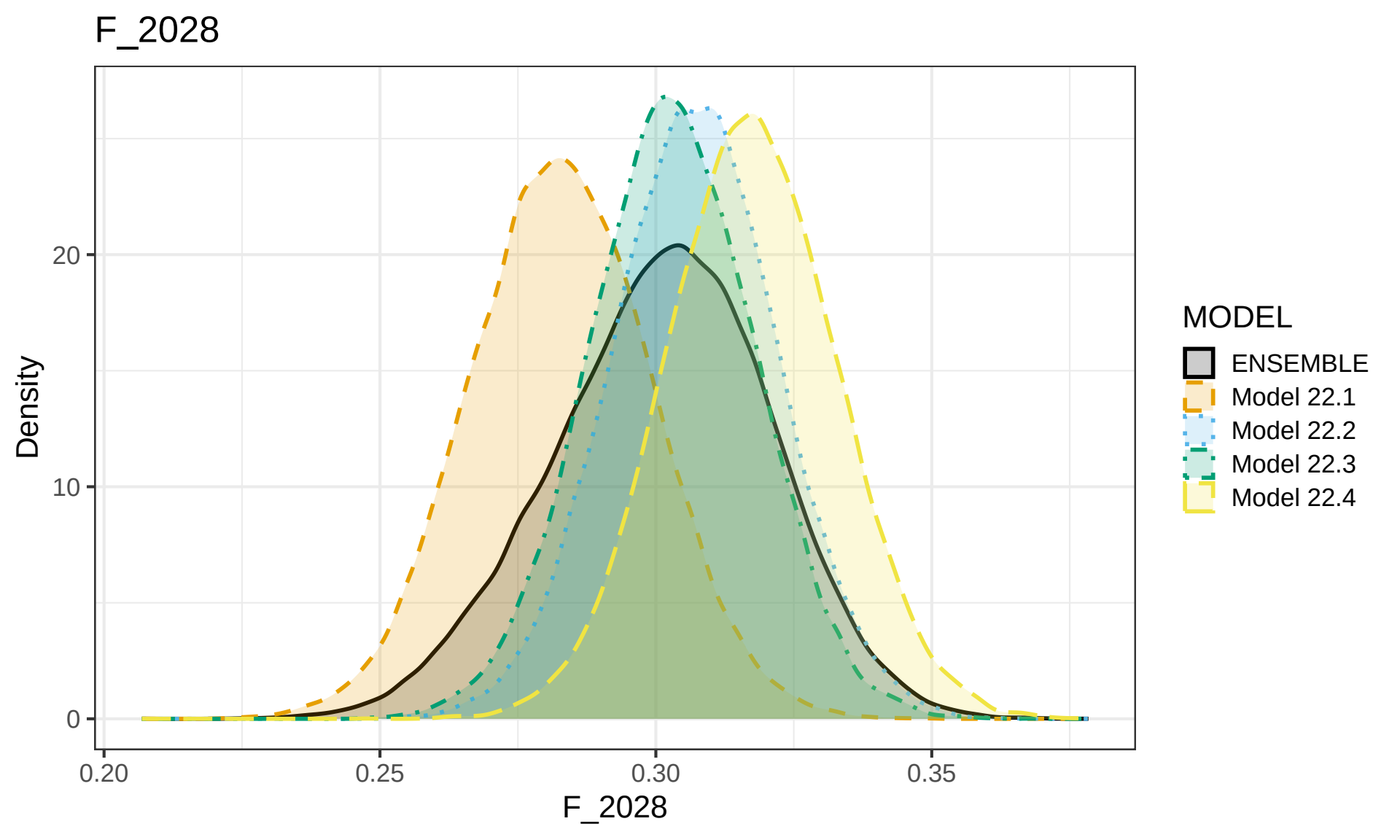
0.30
0.35
F_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2028
Density
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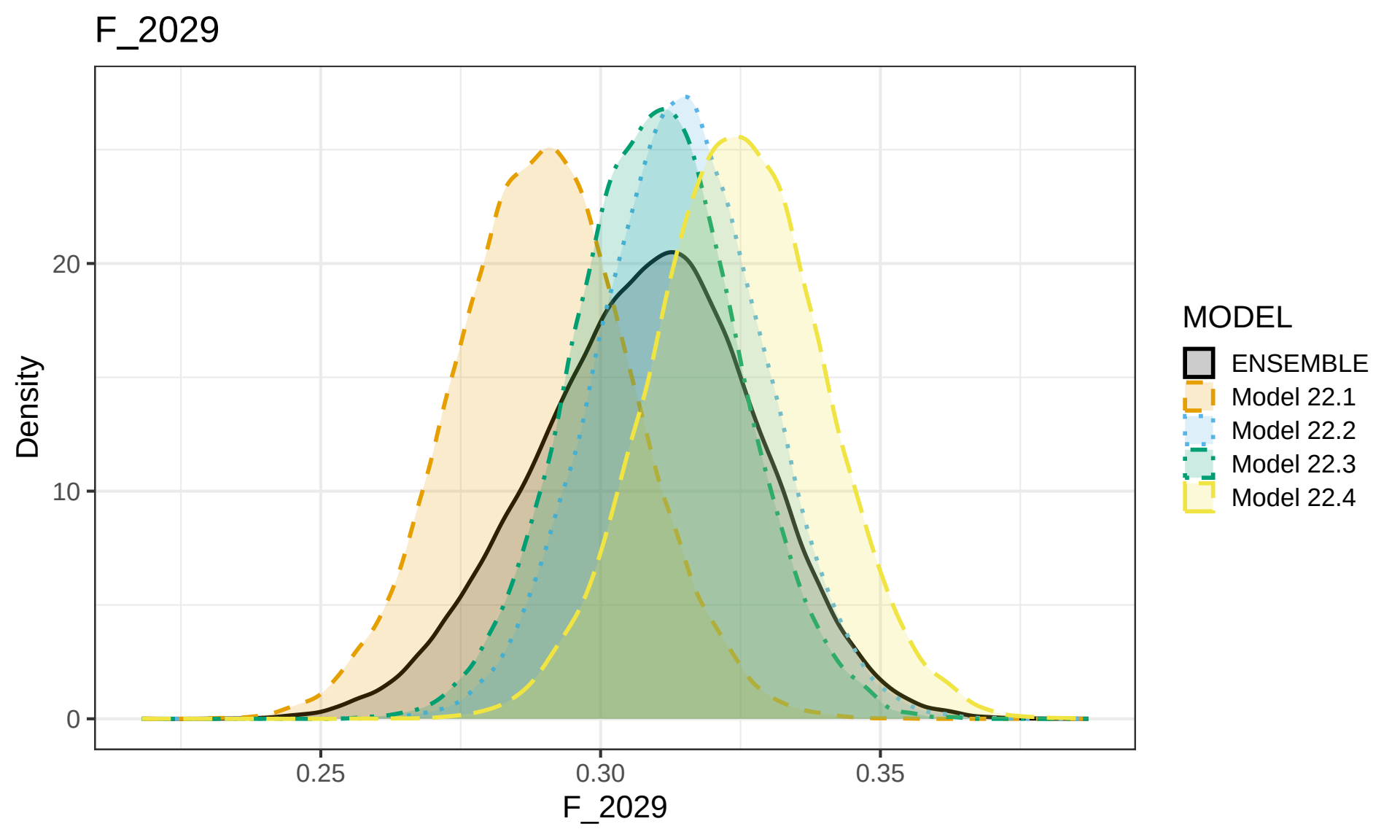
0.35
F_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2029
Density
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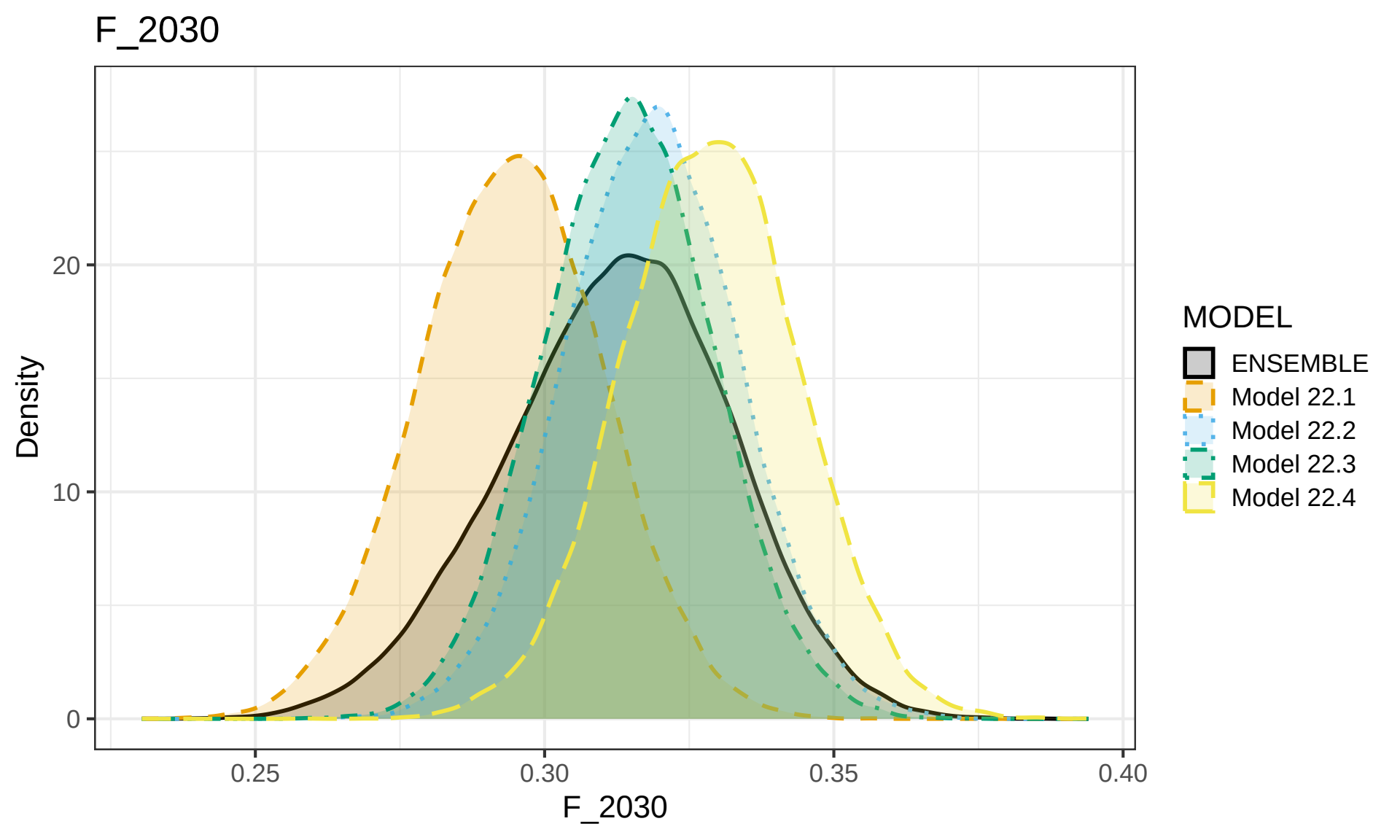
0.30
0.35
F_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


F_2030
Density
20
10
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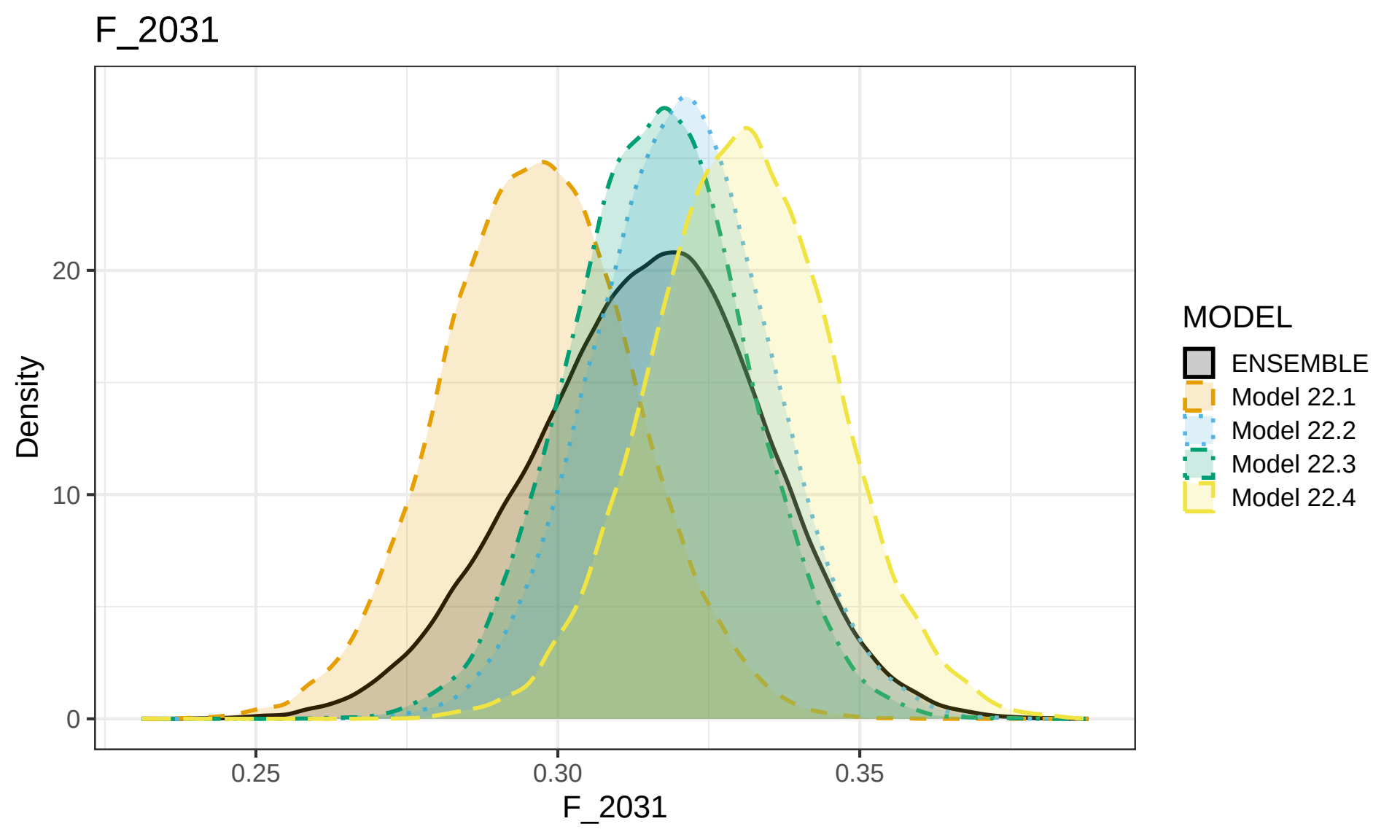
0.35
0.40
F_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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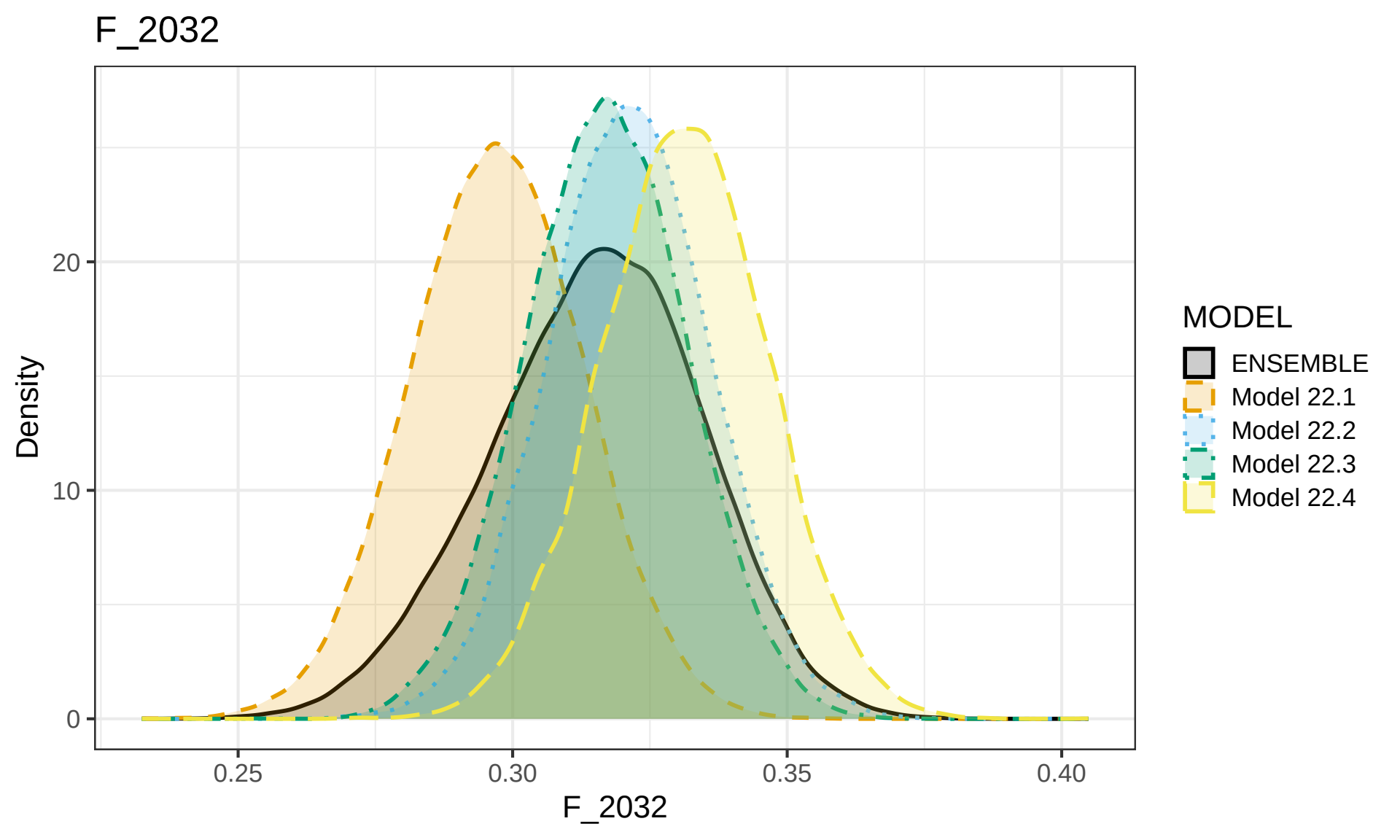
F_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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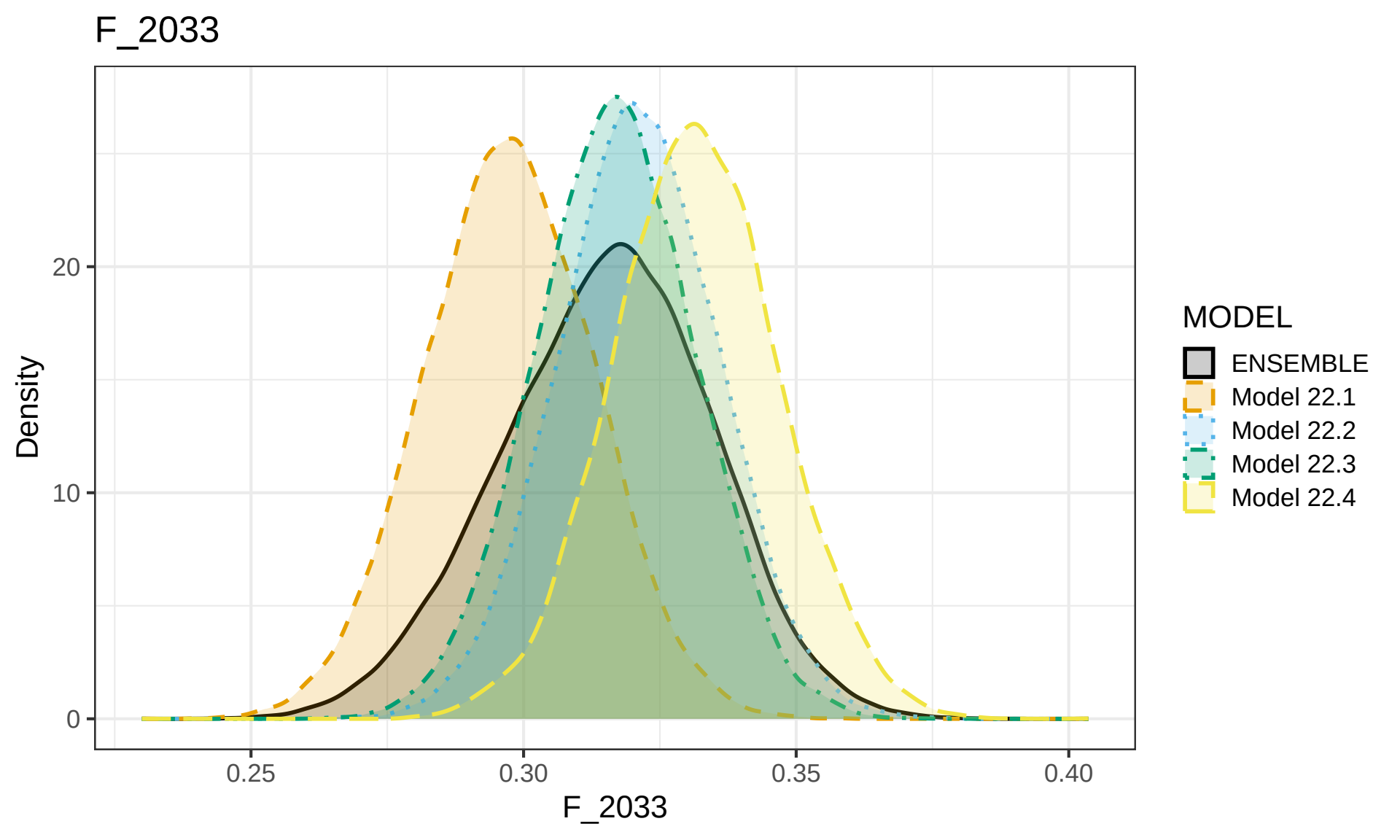
F_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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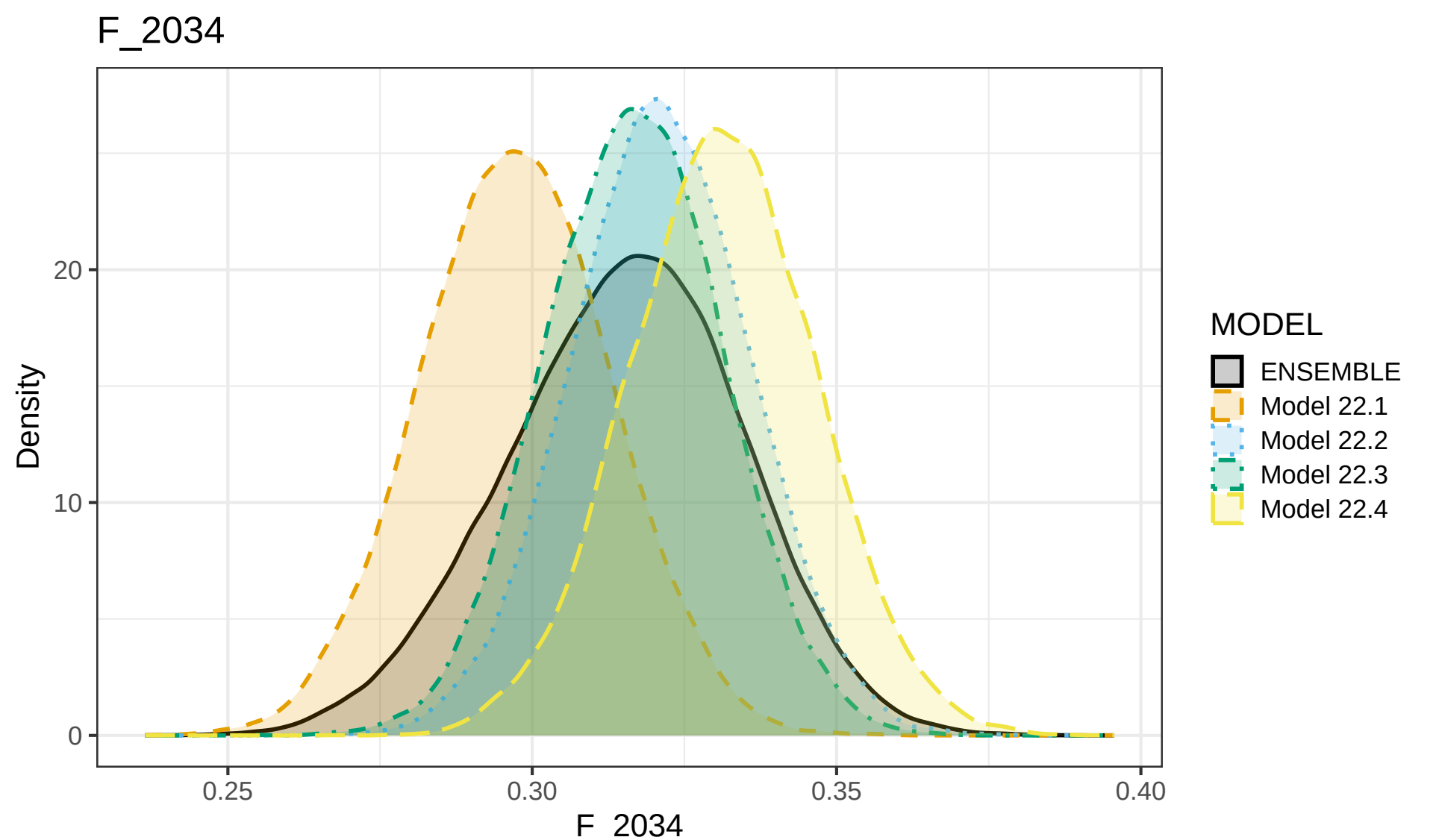
0.35
0.40
F_2033
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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0.25
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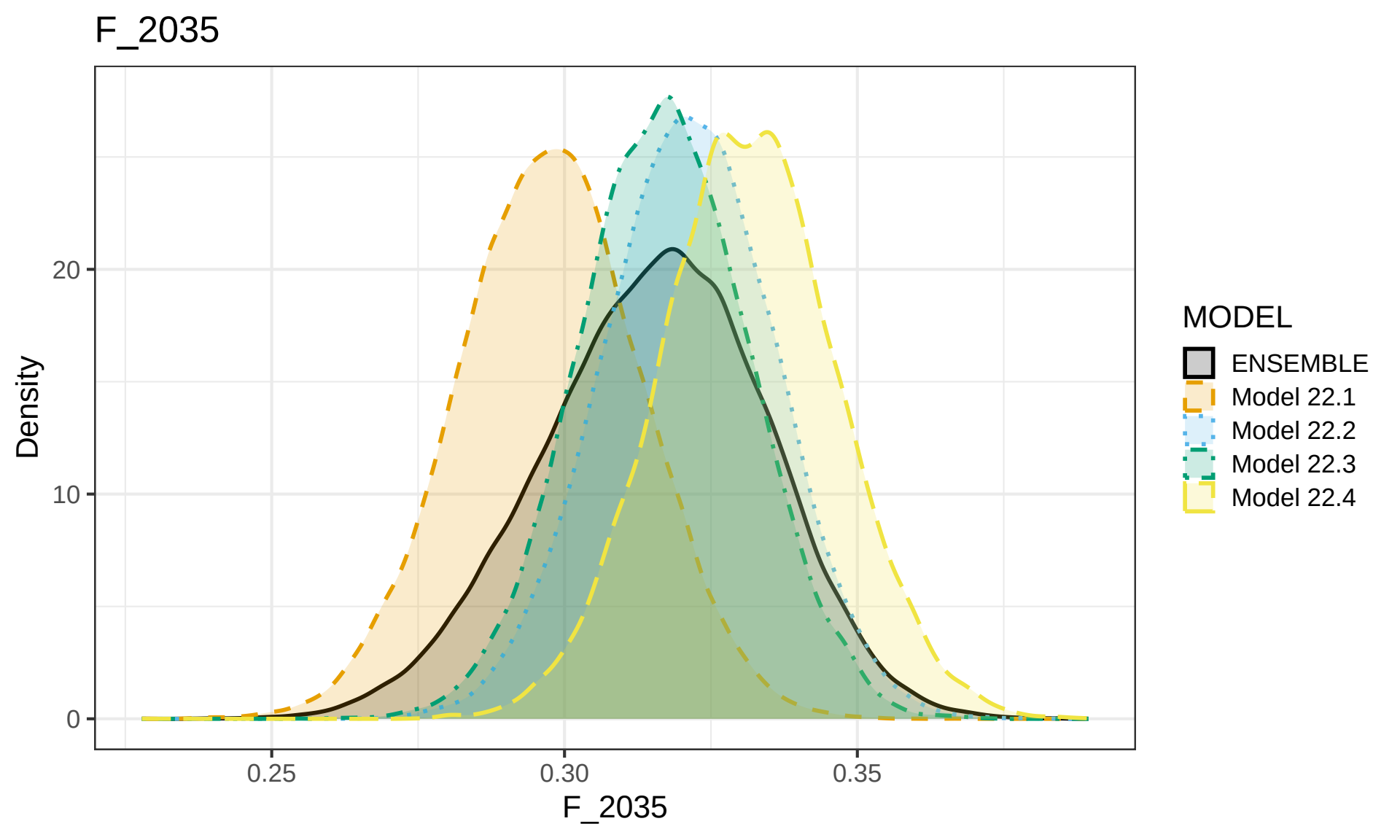
0.35
0.40
F_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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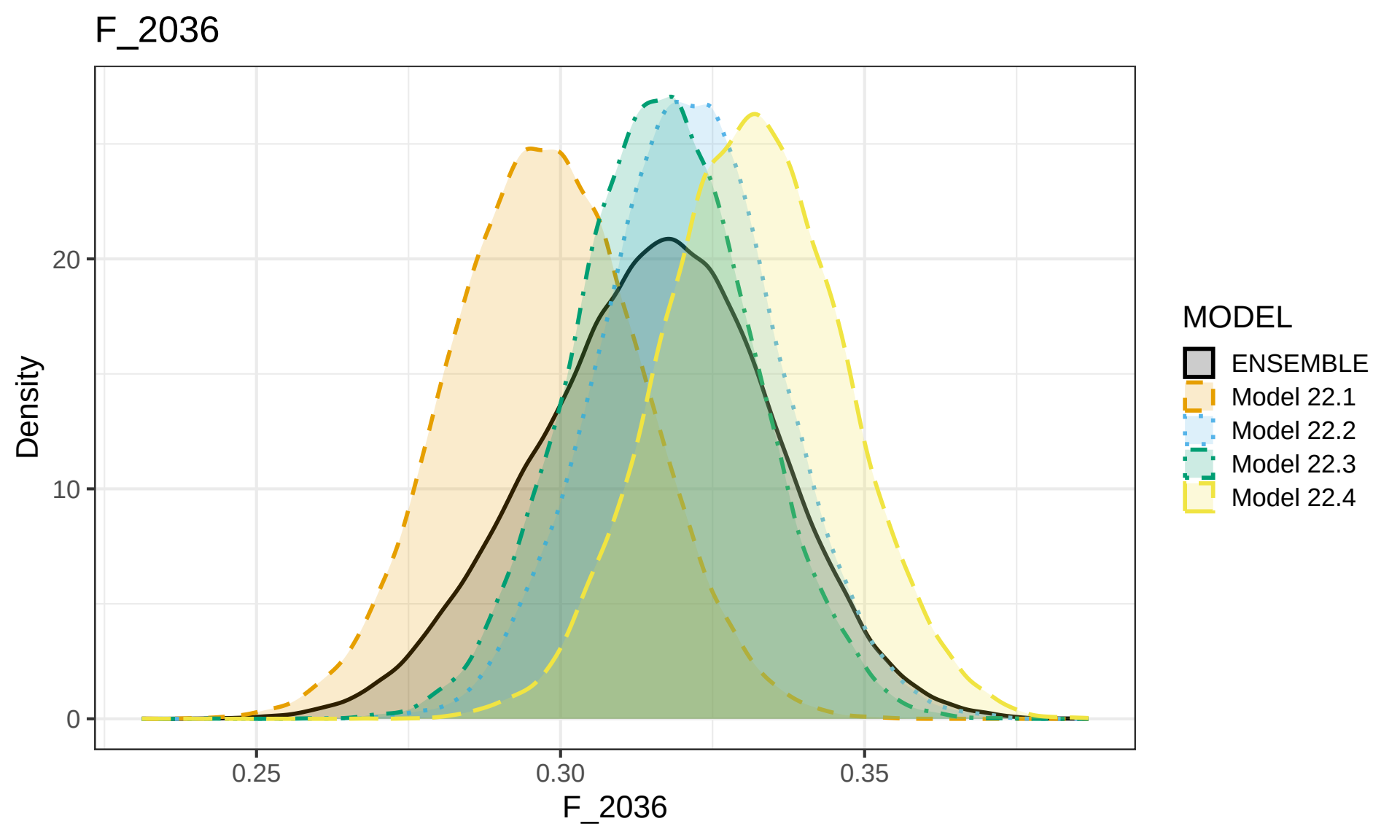
0.30
0.35
F_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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0.30
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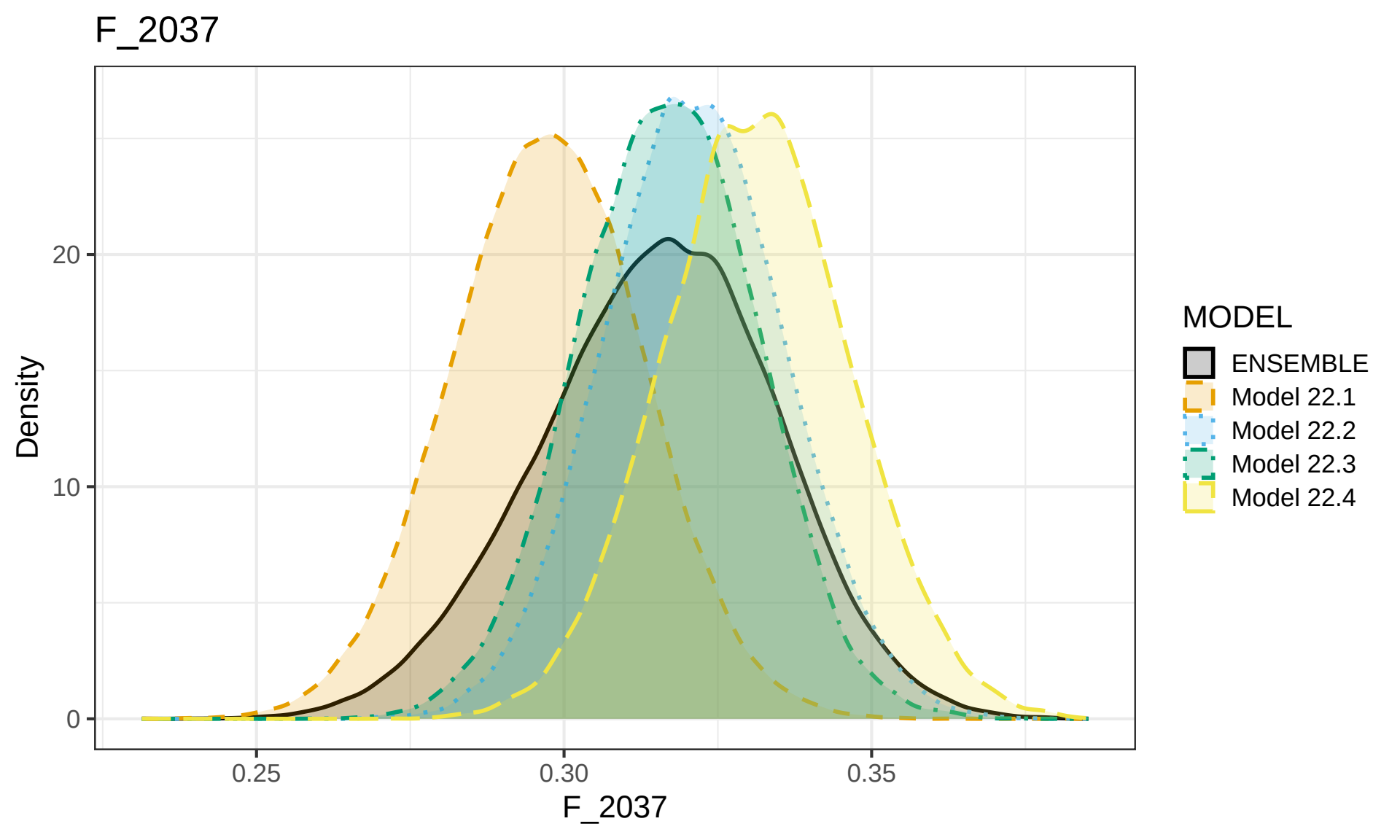
F_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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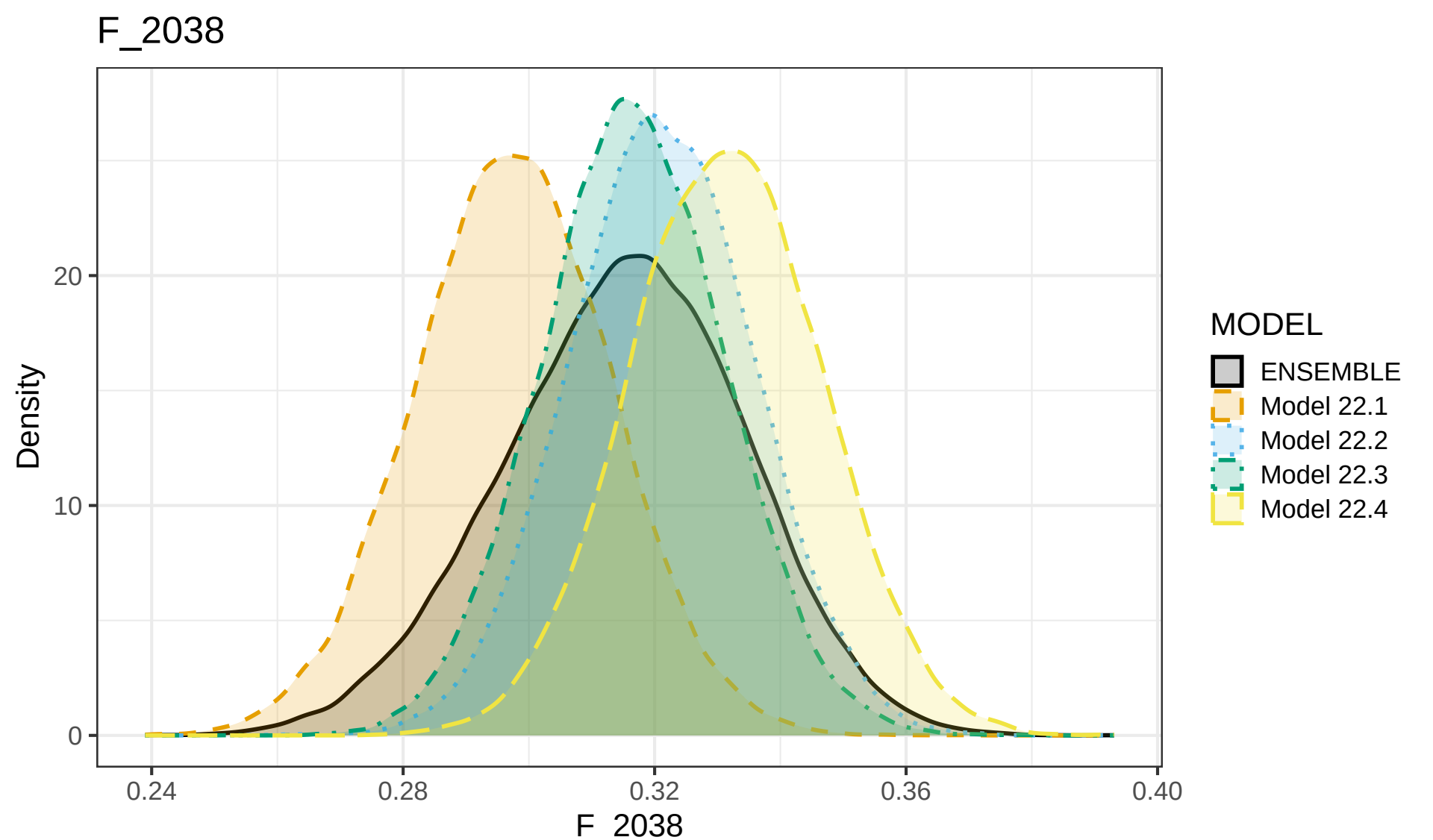
F_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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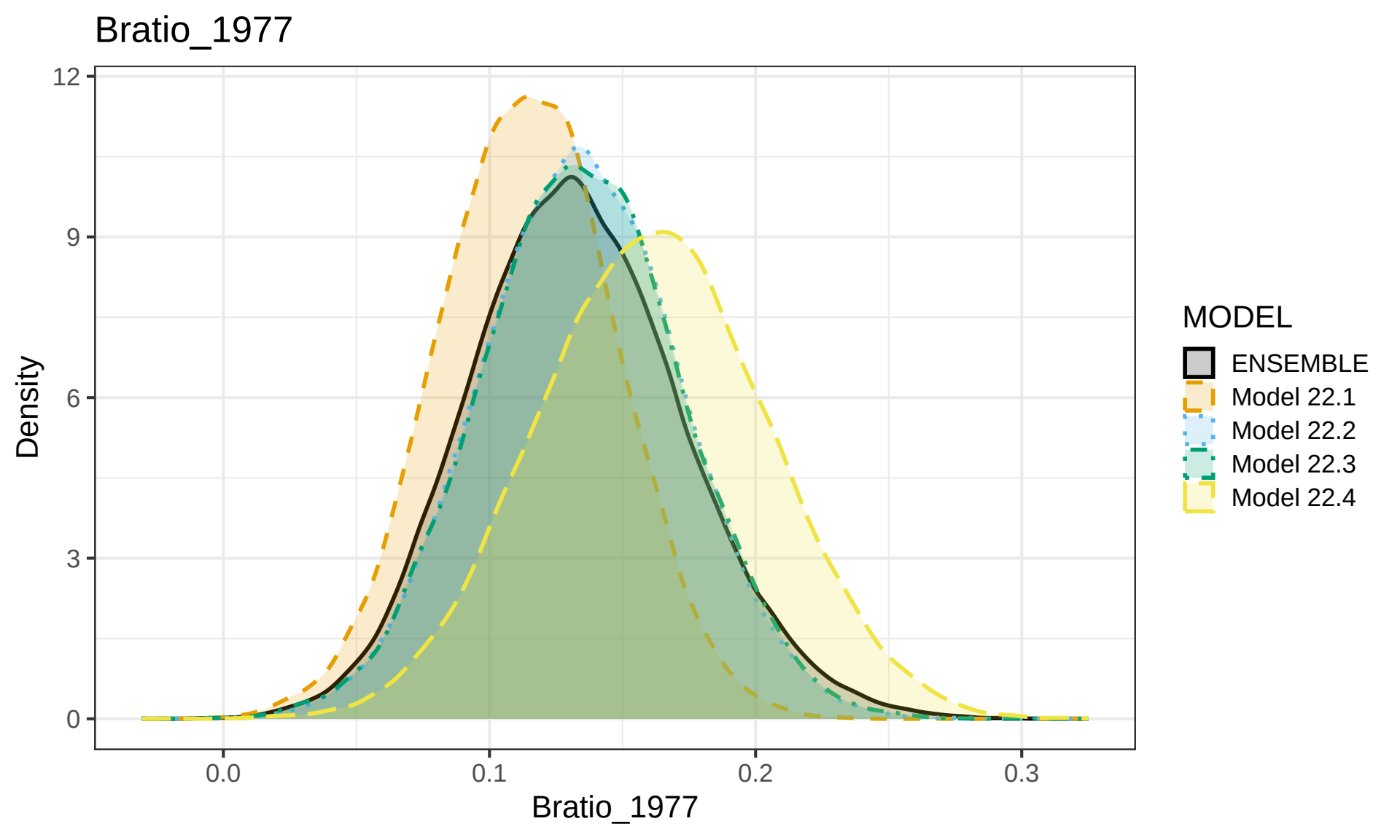
0.36
0.40
F_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1977
12
9
6
3
0
Density
0.0
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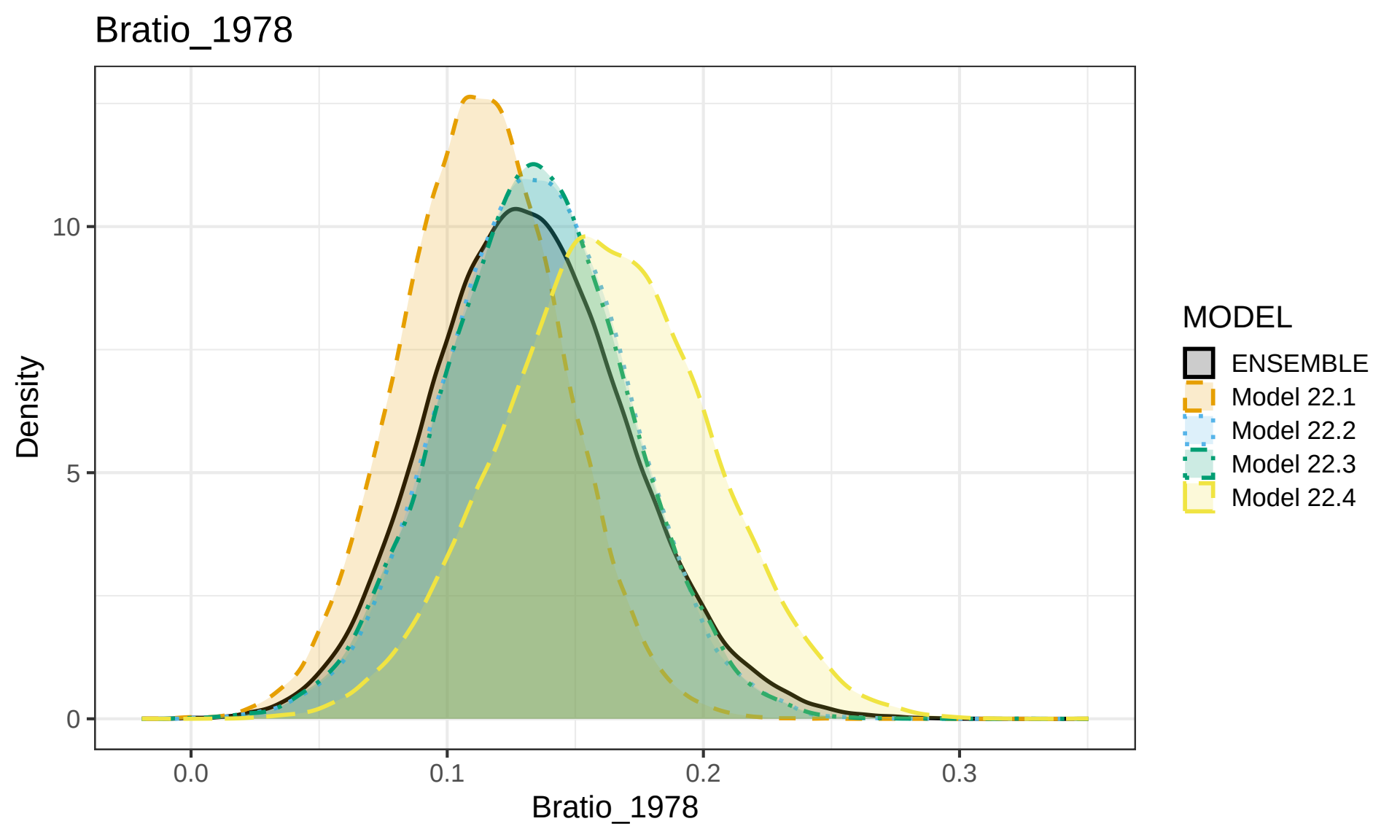
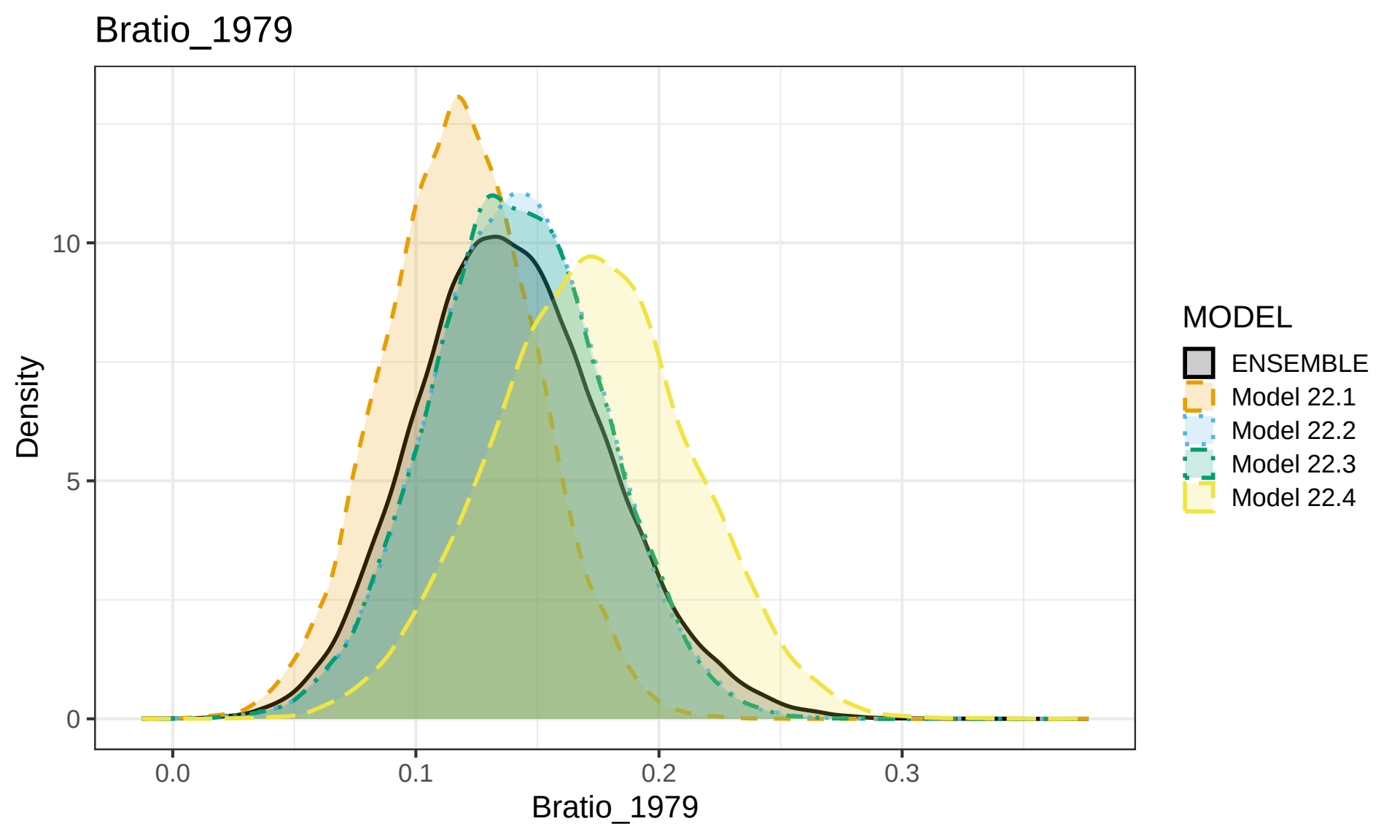
0.2
0.3
Bratio_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1978
Density
10
5
0
0.0
0.1
0.2
0.3
Bratio_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
10
5
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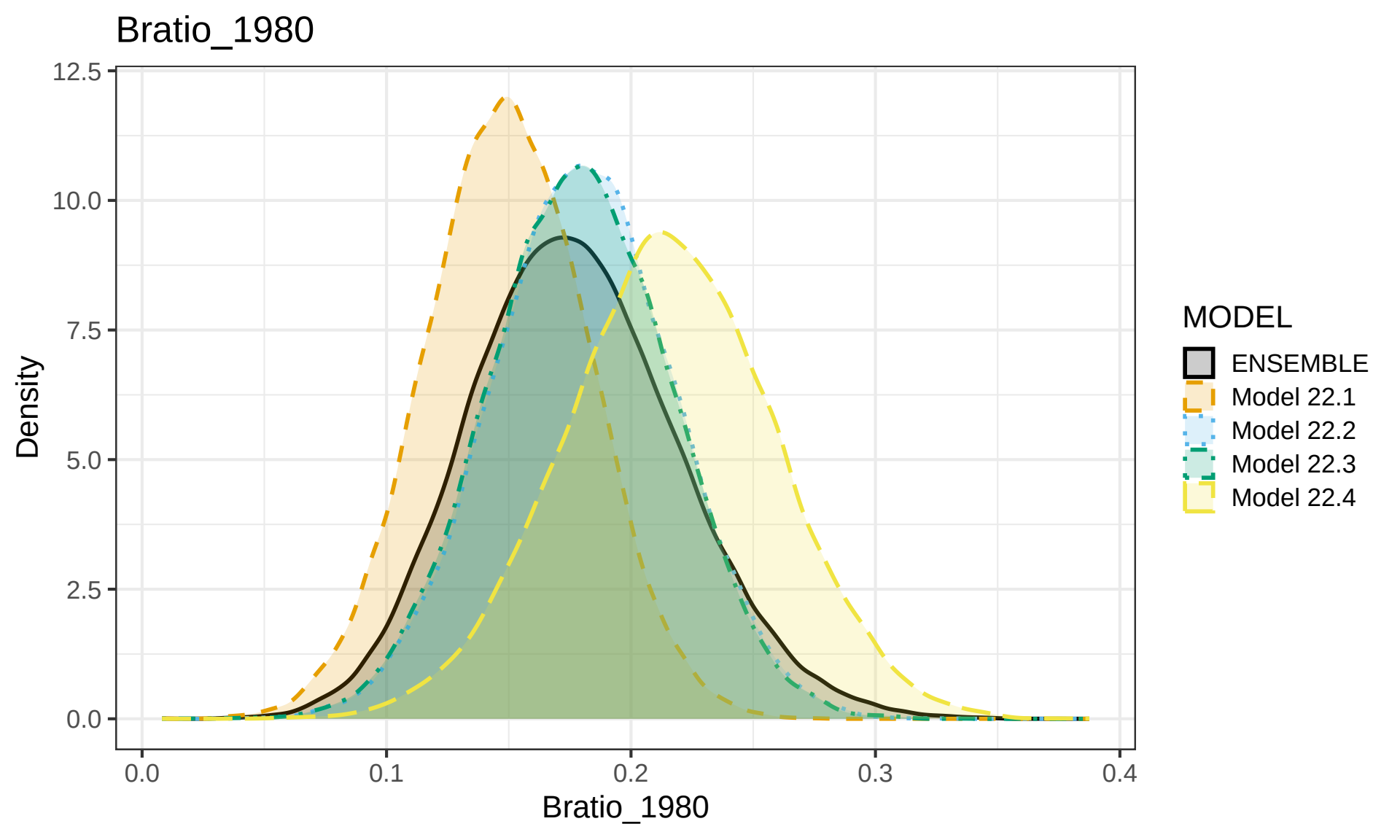
0.2
0.3
Bratio_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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12.5
10.0
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5.0
2.5
0.0
Density
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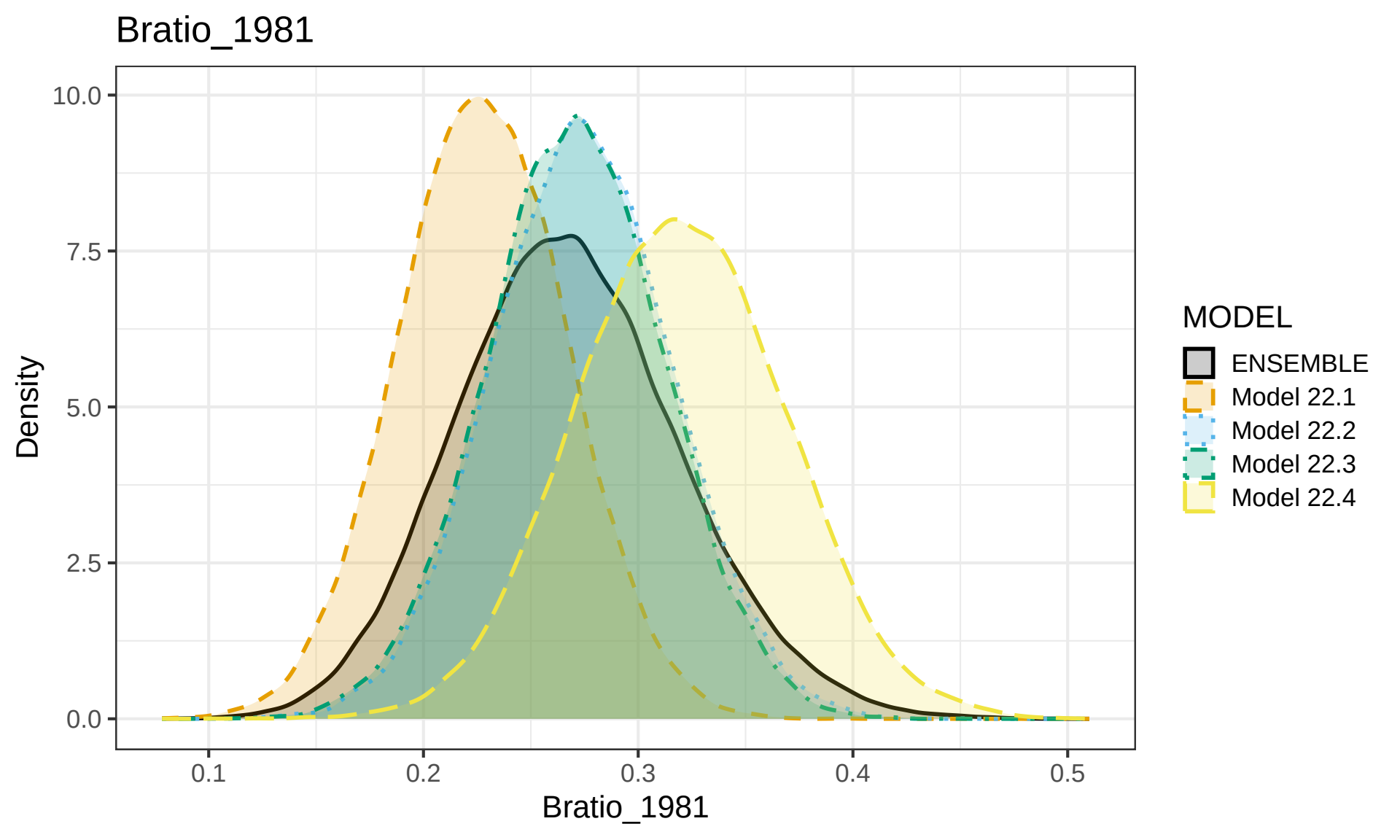
0.1
0.2
0.3
0.4
Bratio_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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2.5
0.0
Density
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0.2
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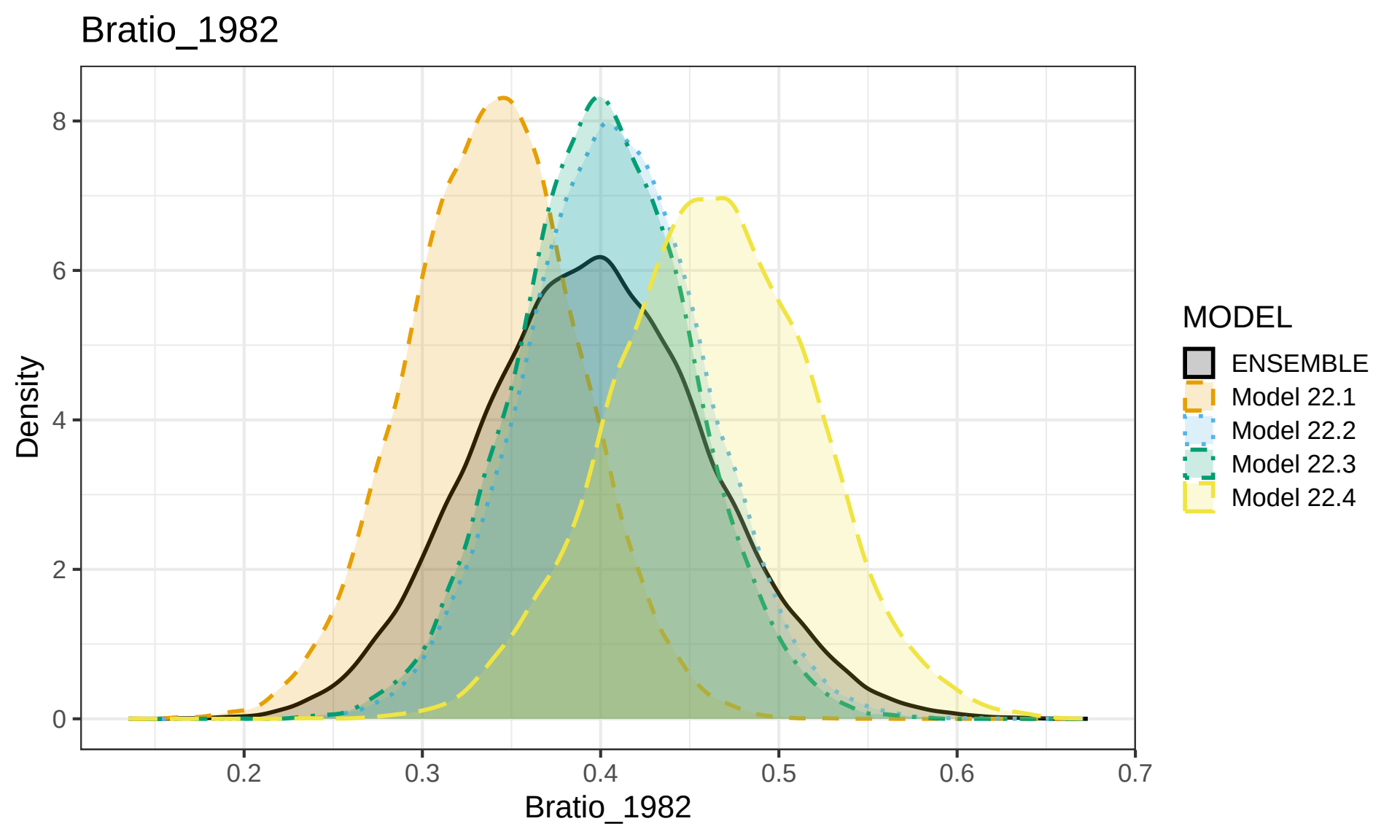
0.4
0.5
Bratio_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1982
Density
8
6
4
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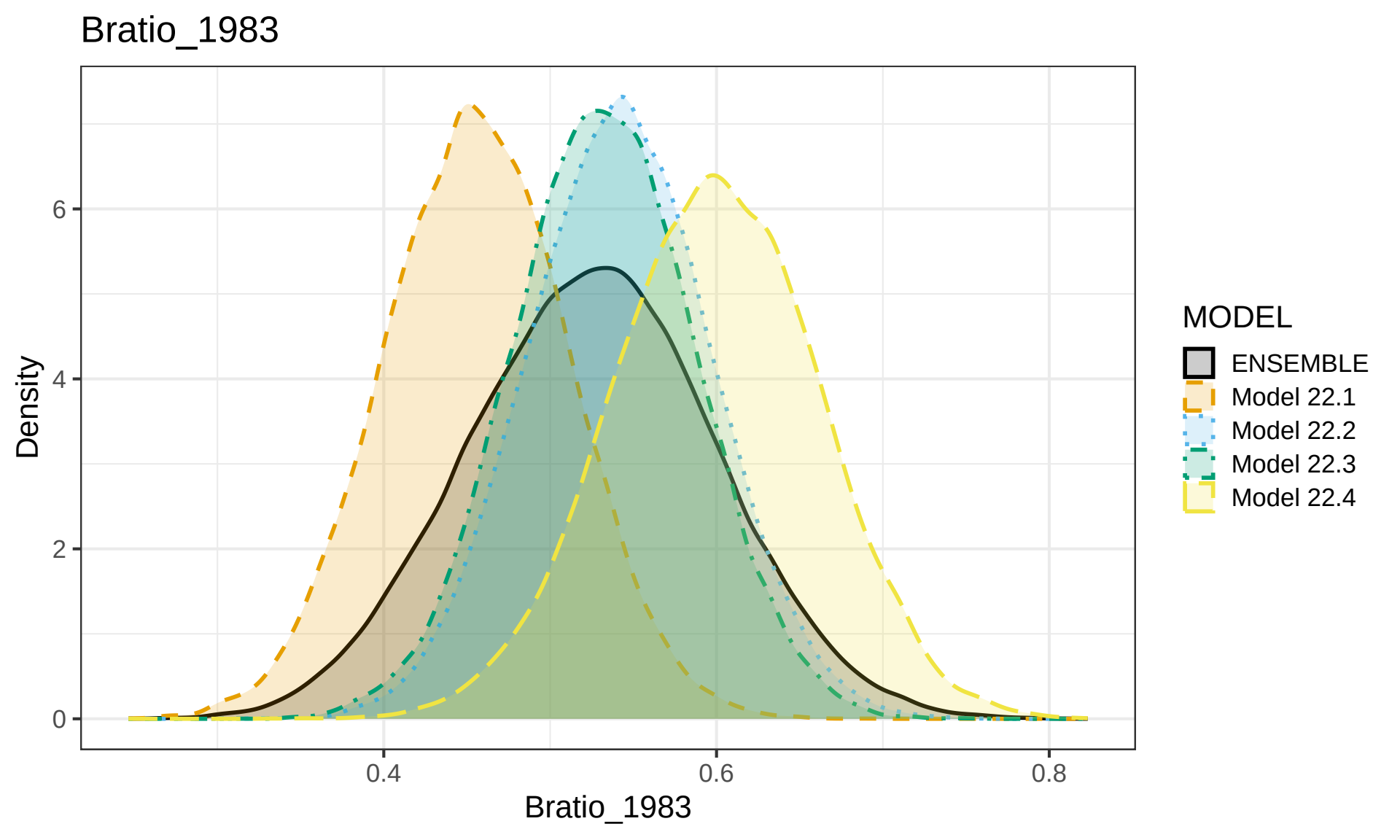
0.2
0.3
0.4
0.5
0.6
0.7
Bratio_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1983
Density
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0.6
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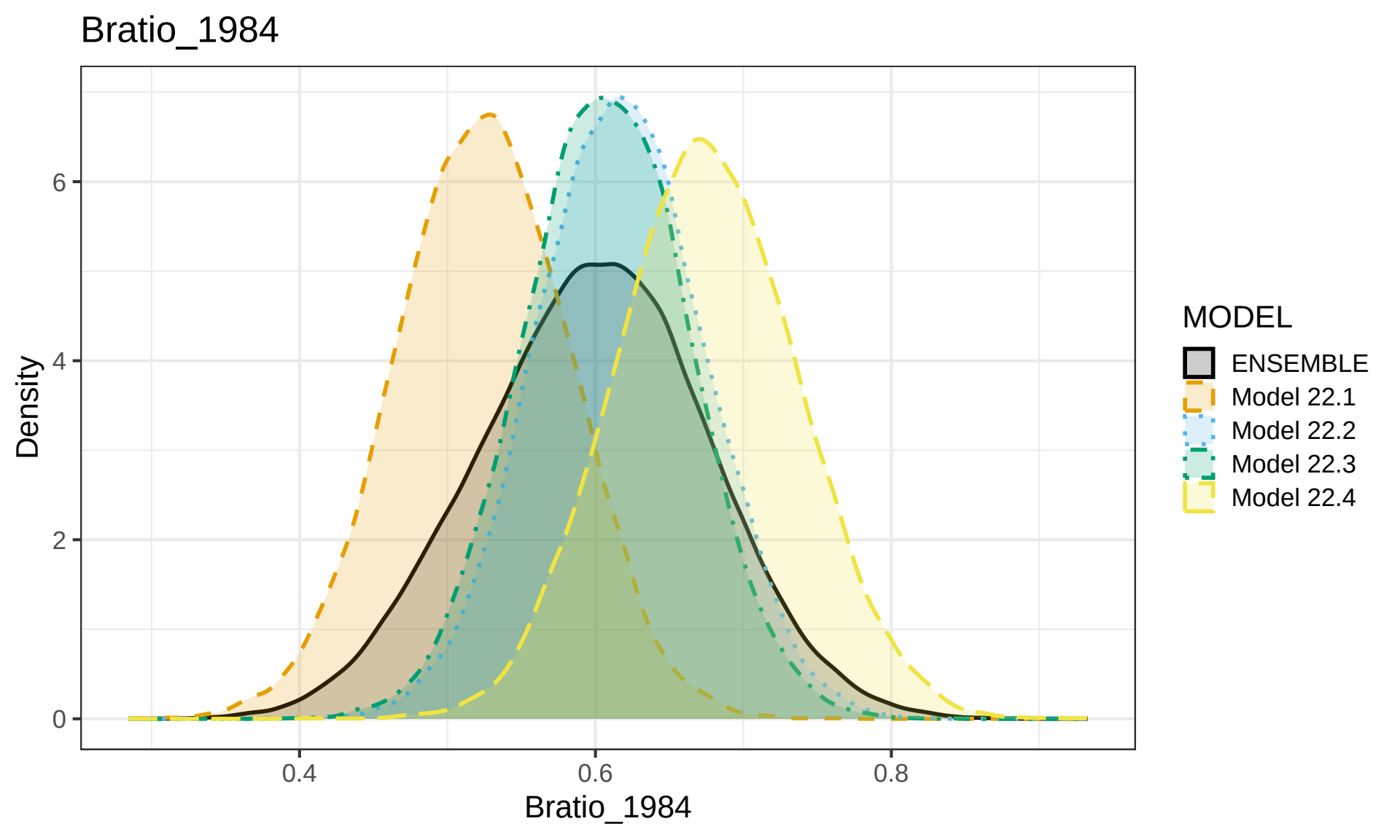
Bratio_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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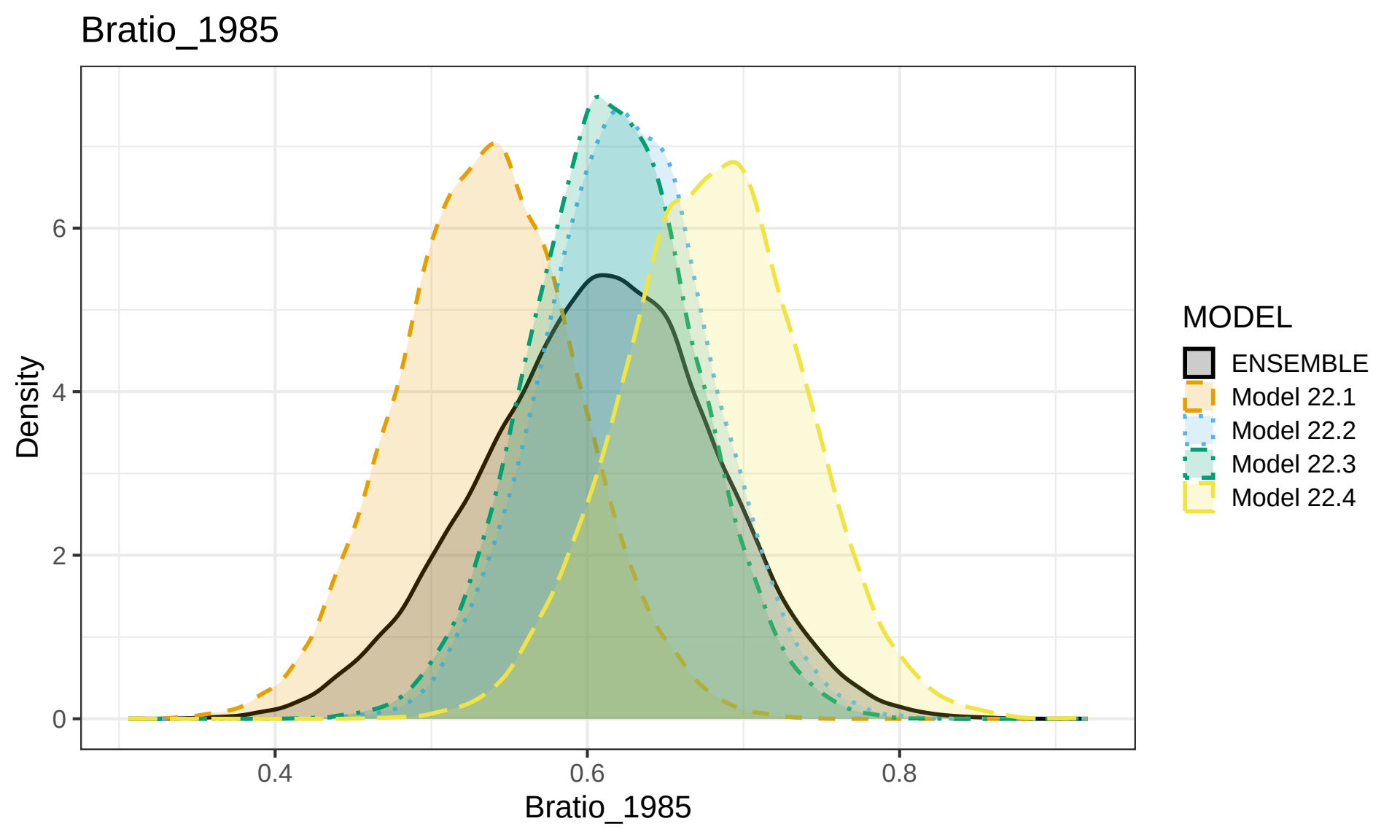
0.6
0.8
Bratio_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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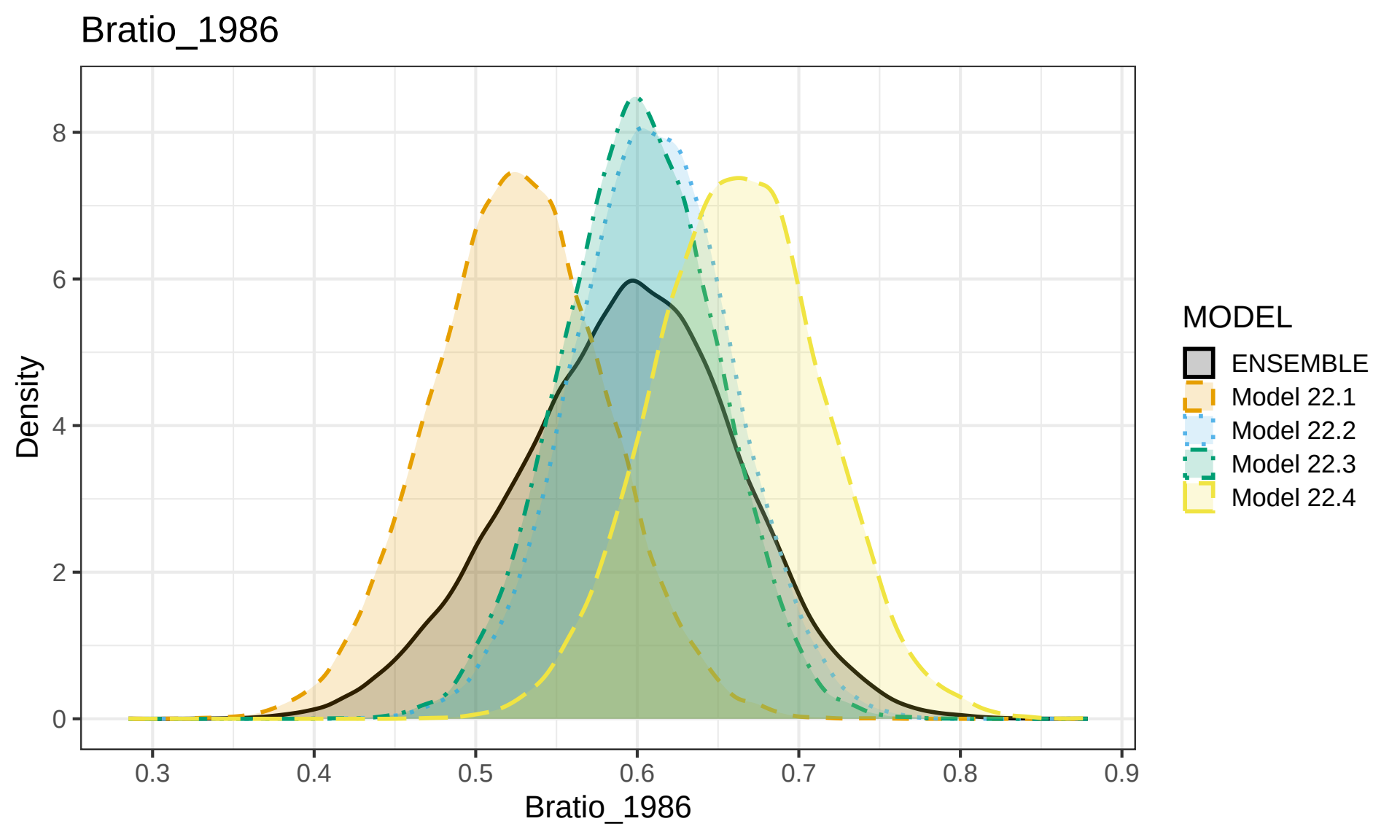
0.8
Bratio_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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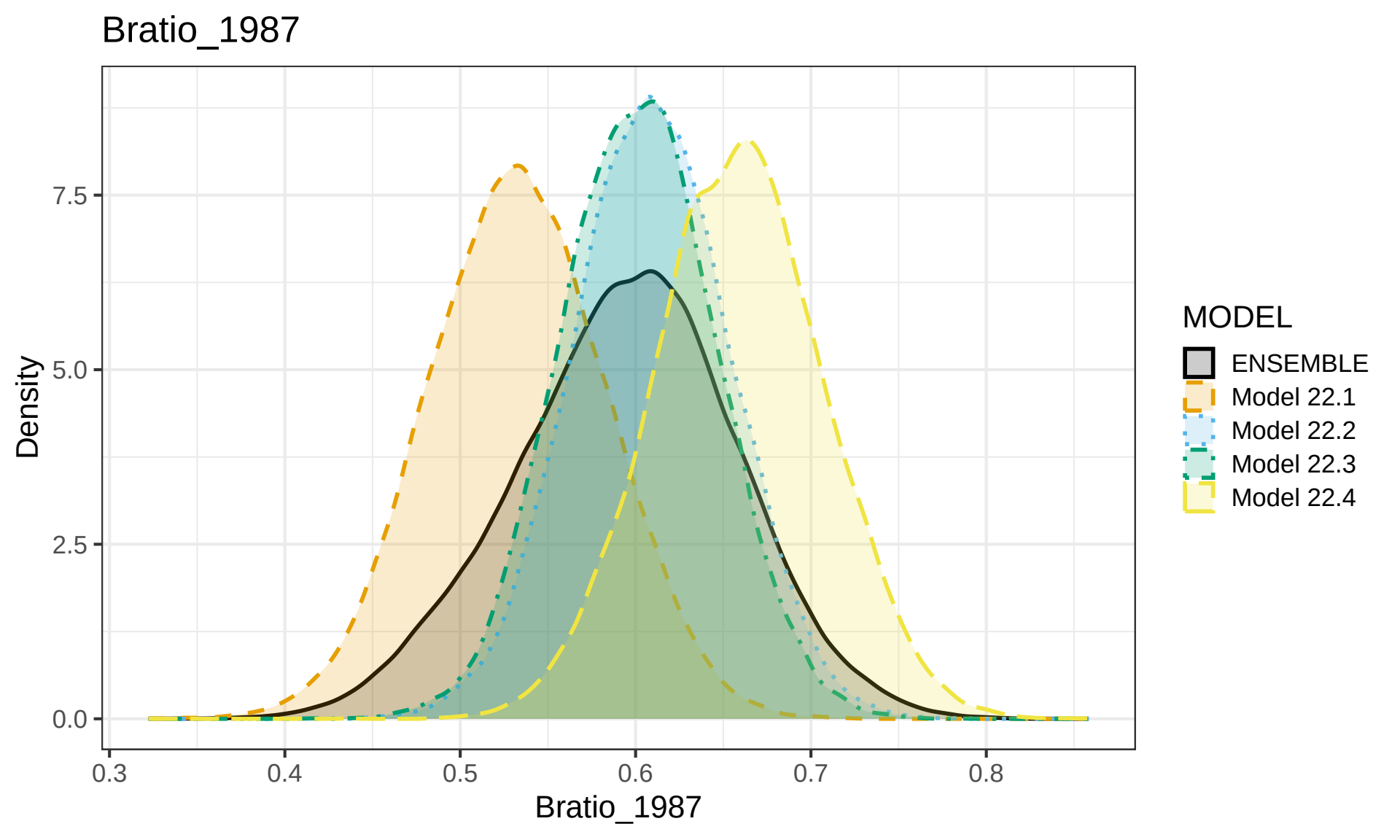
Bratio_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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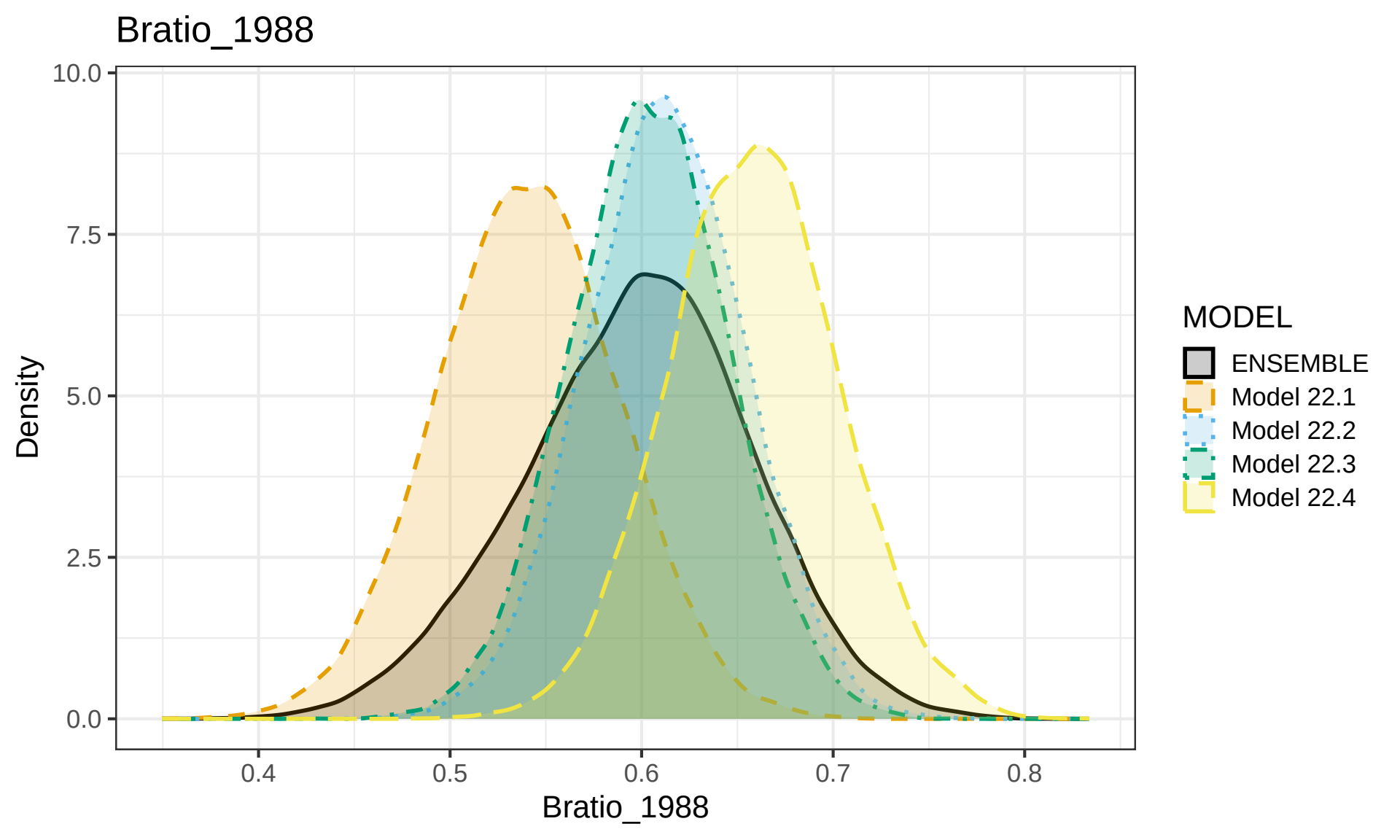
Bratio_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1988
10.0
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2.5
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Density
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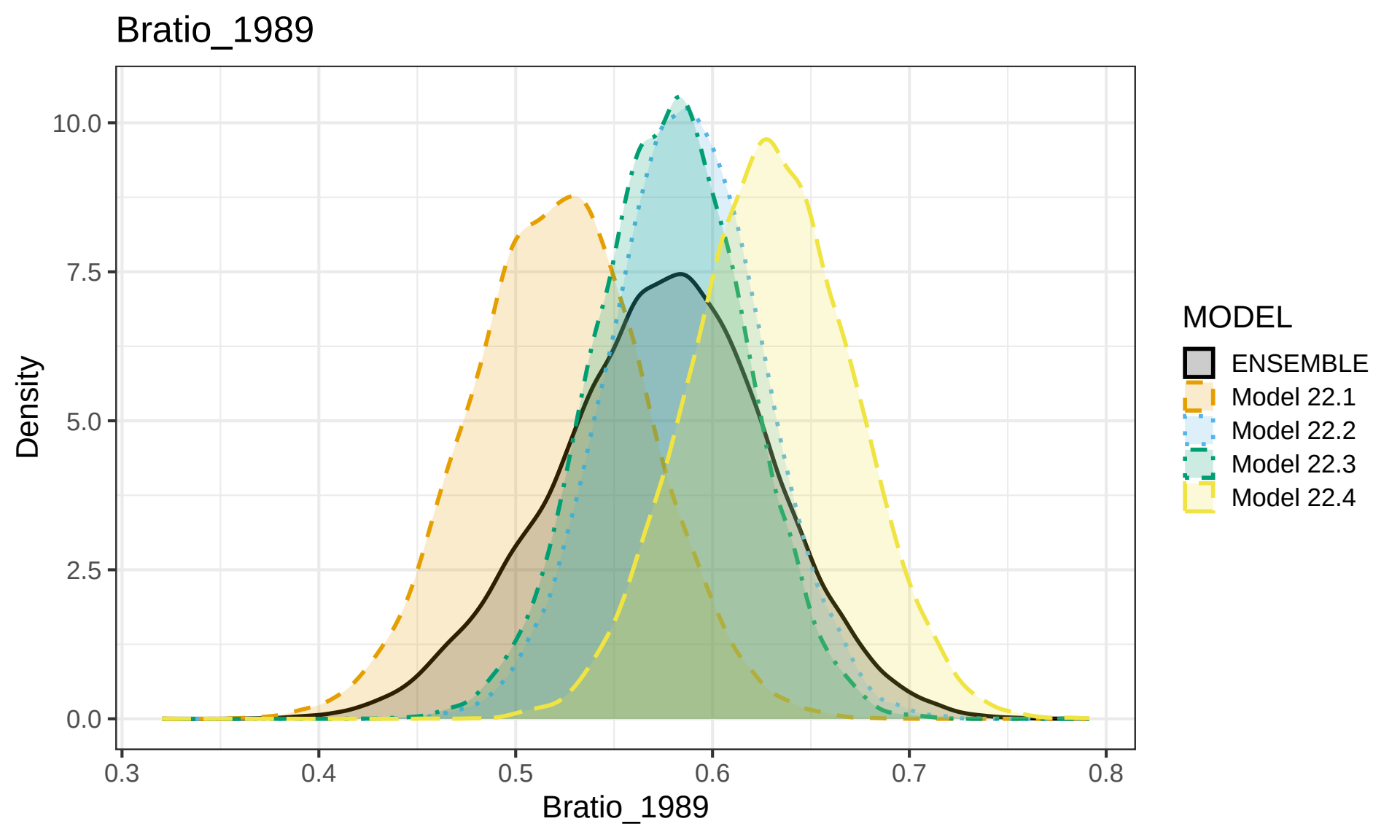
Bratio_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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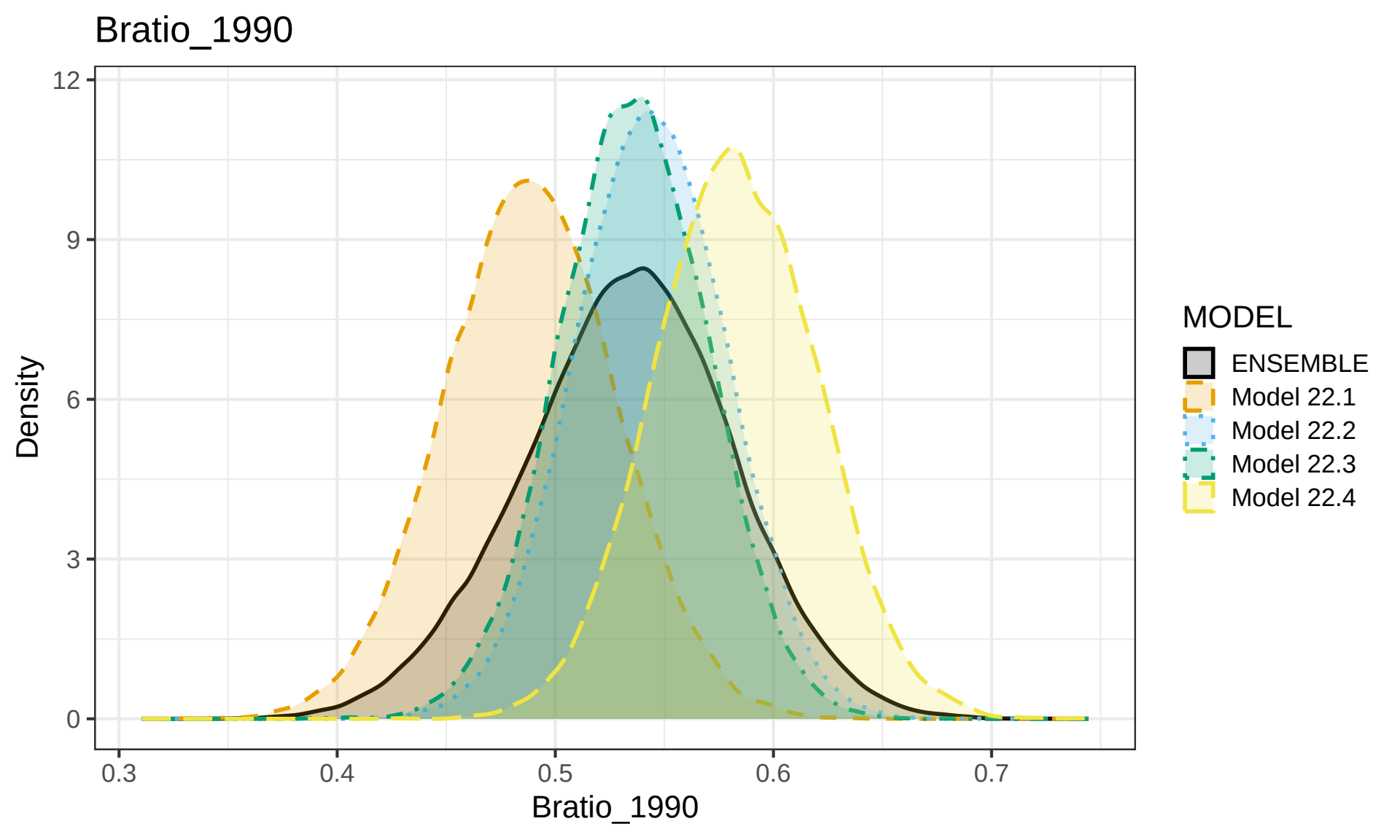
Bratio_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1990
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Density
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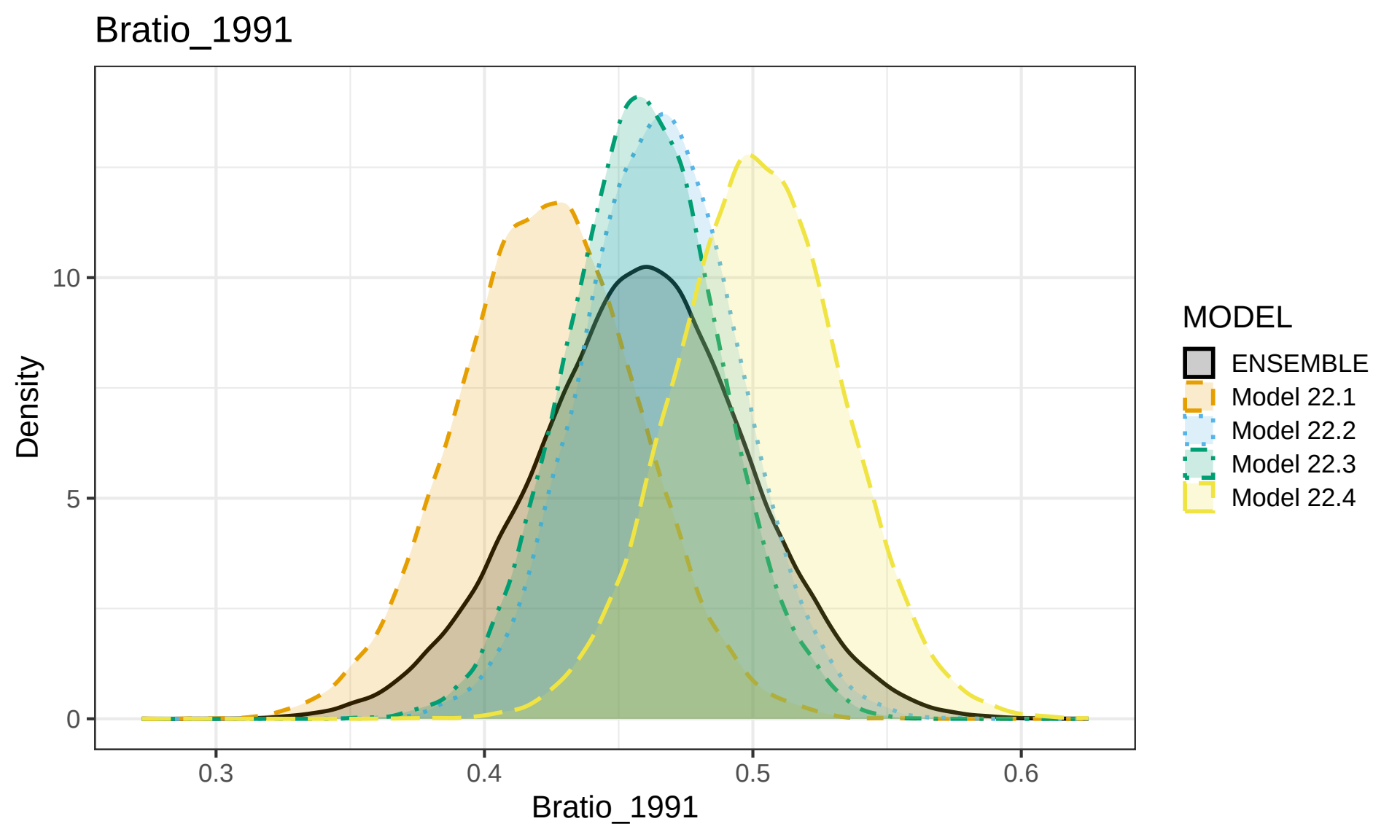
Bratio_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1991
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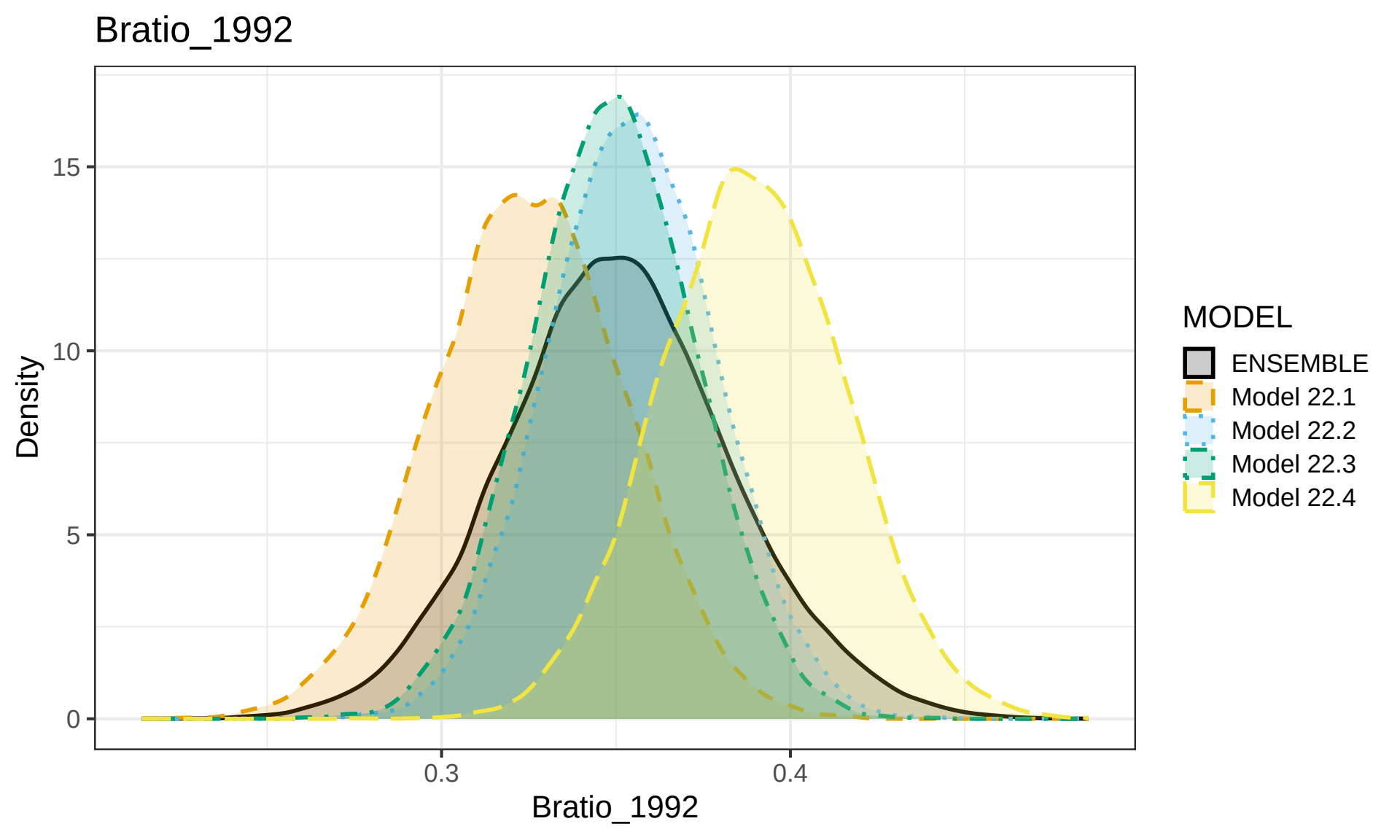
Bratio_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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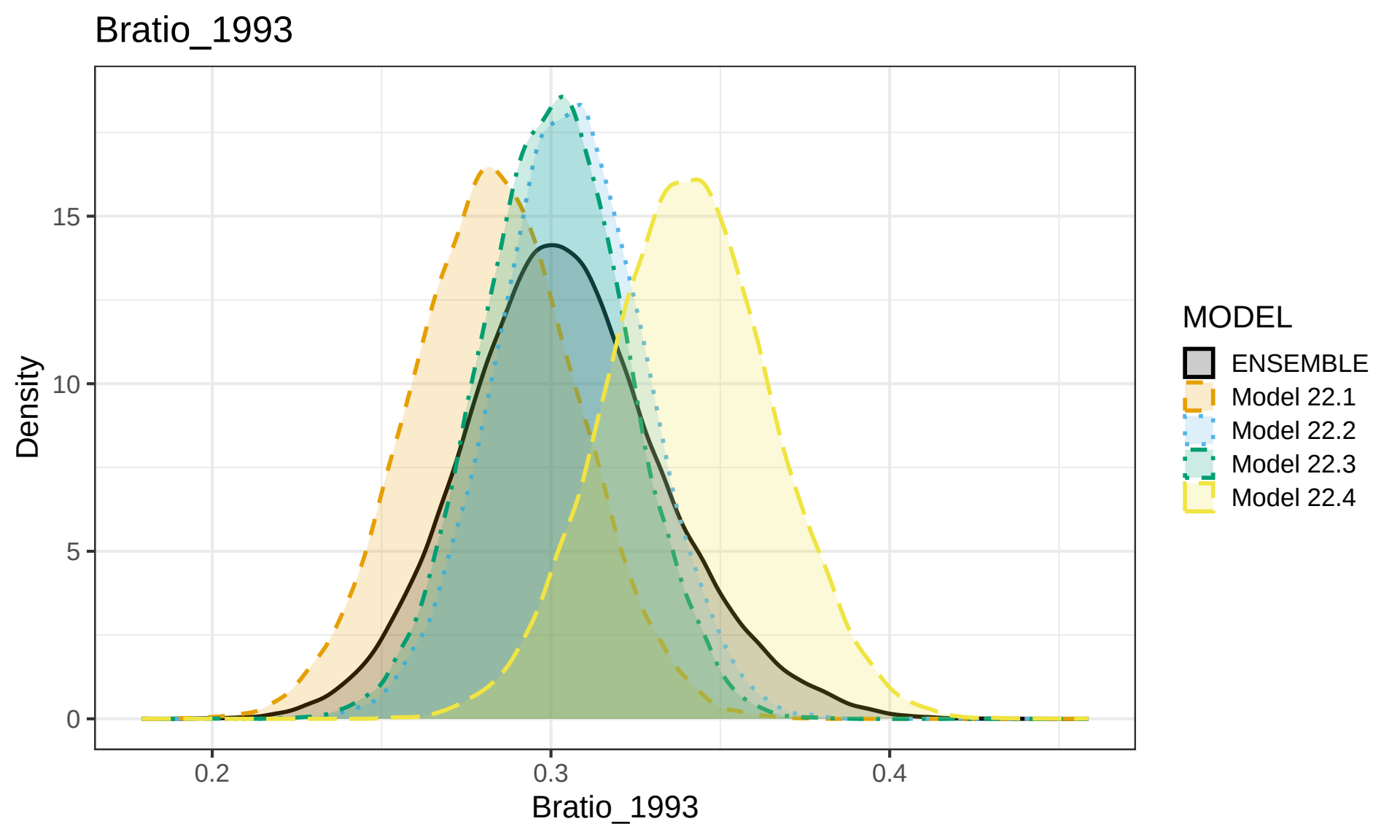
Bratio_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1993
Density
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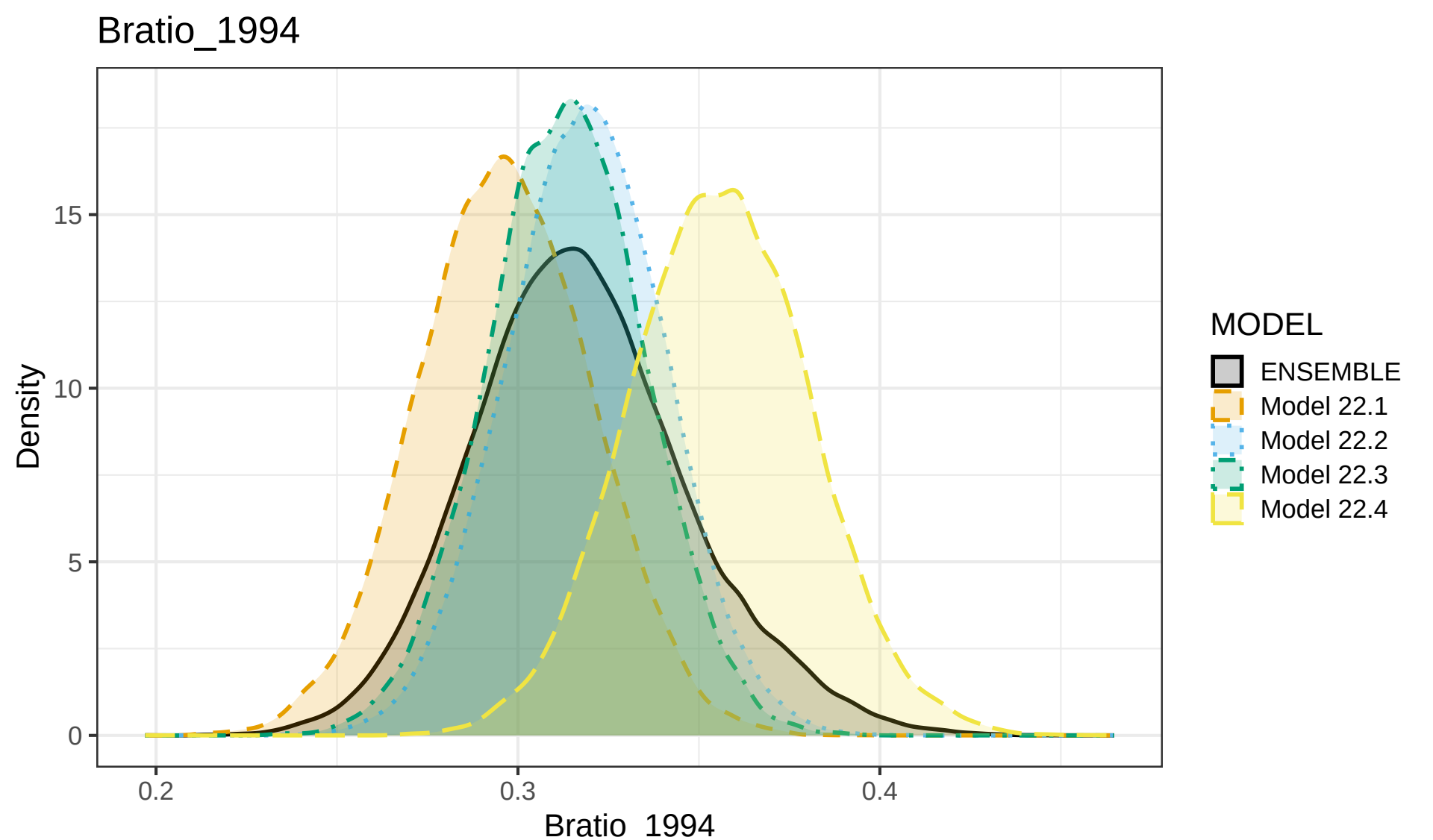
0.3
0.4
Bratio_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1994
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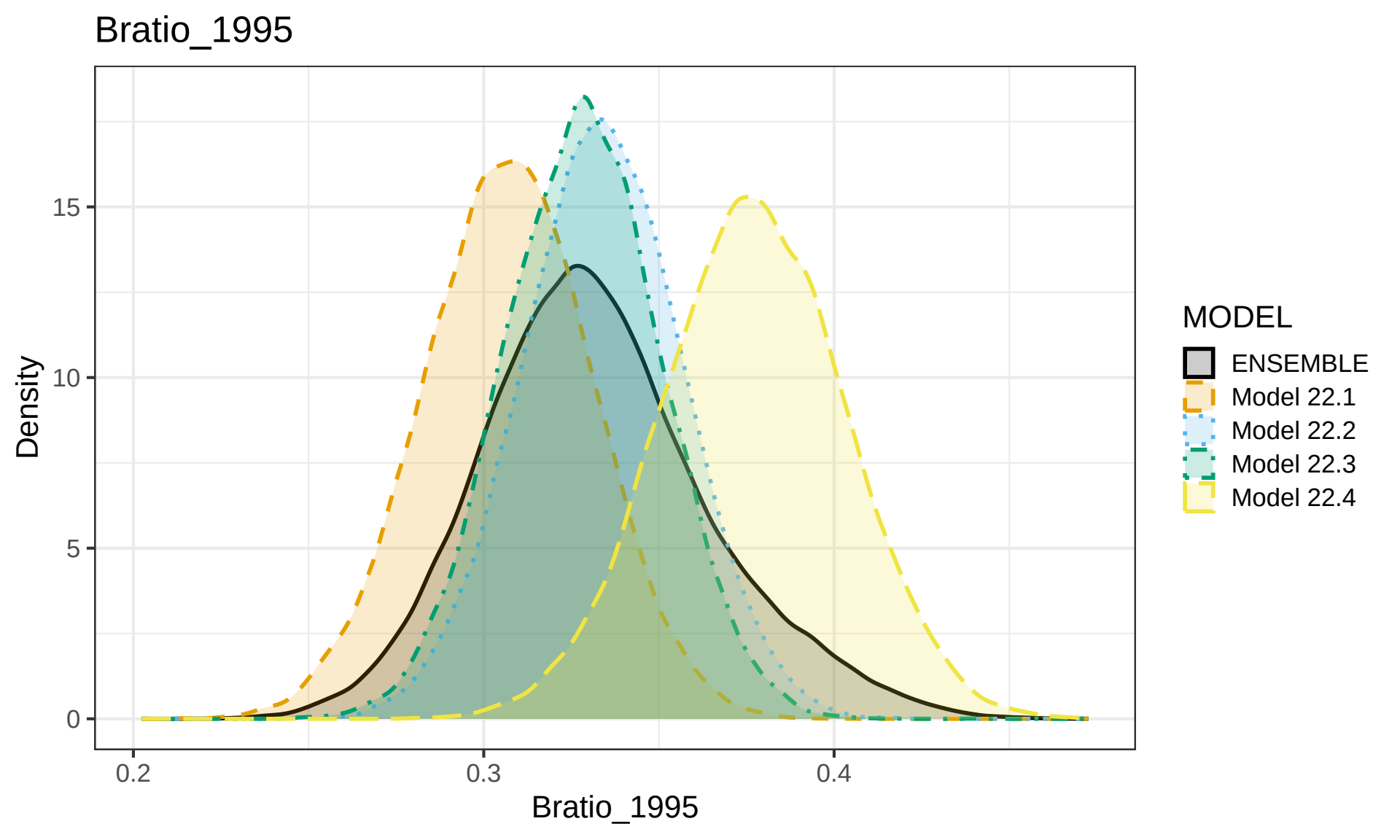
Bratio_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1995
Density
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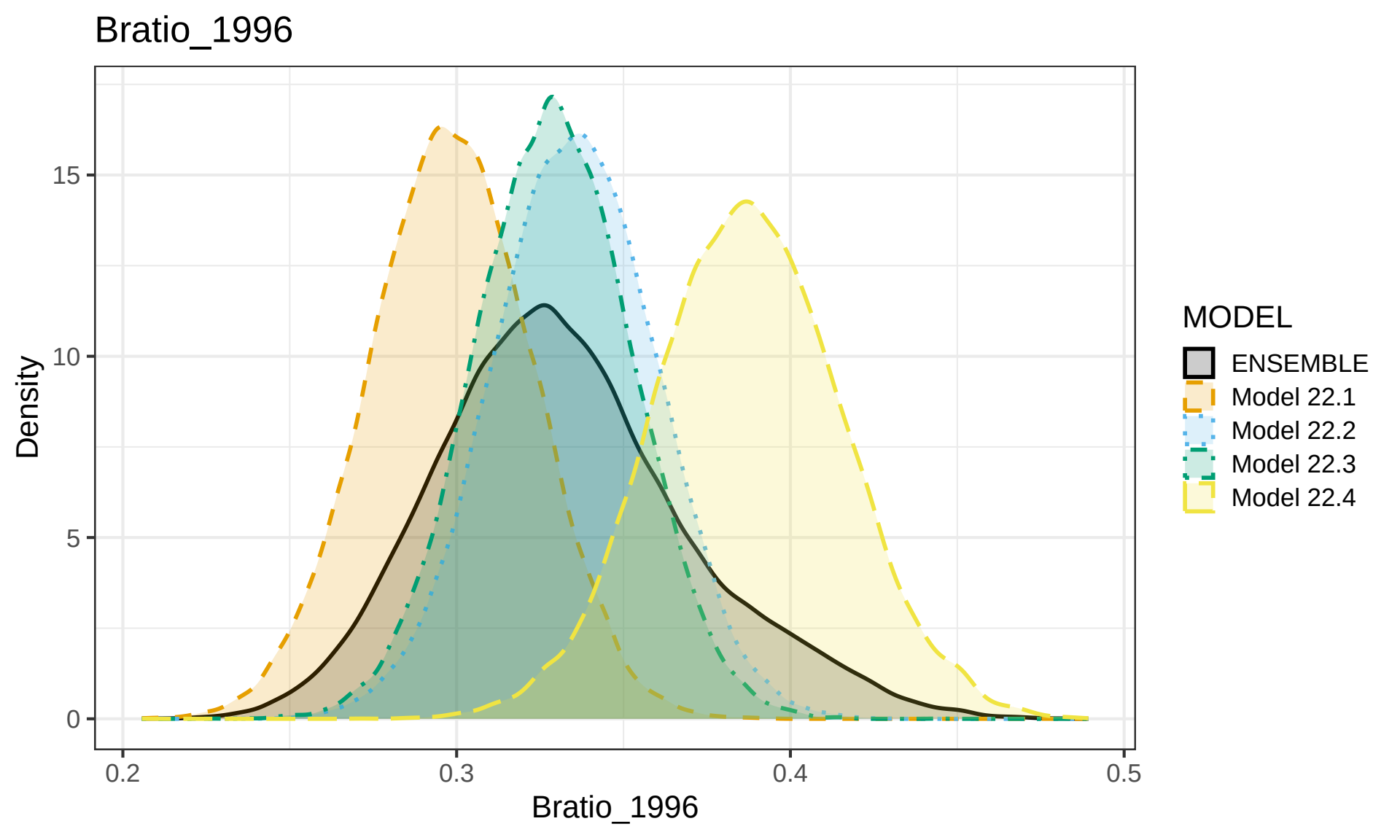
Bratio_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1996
Density
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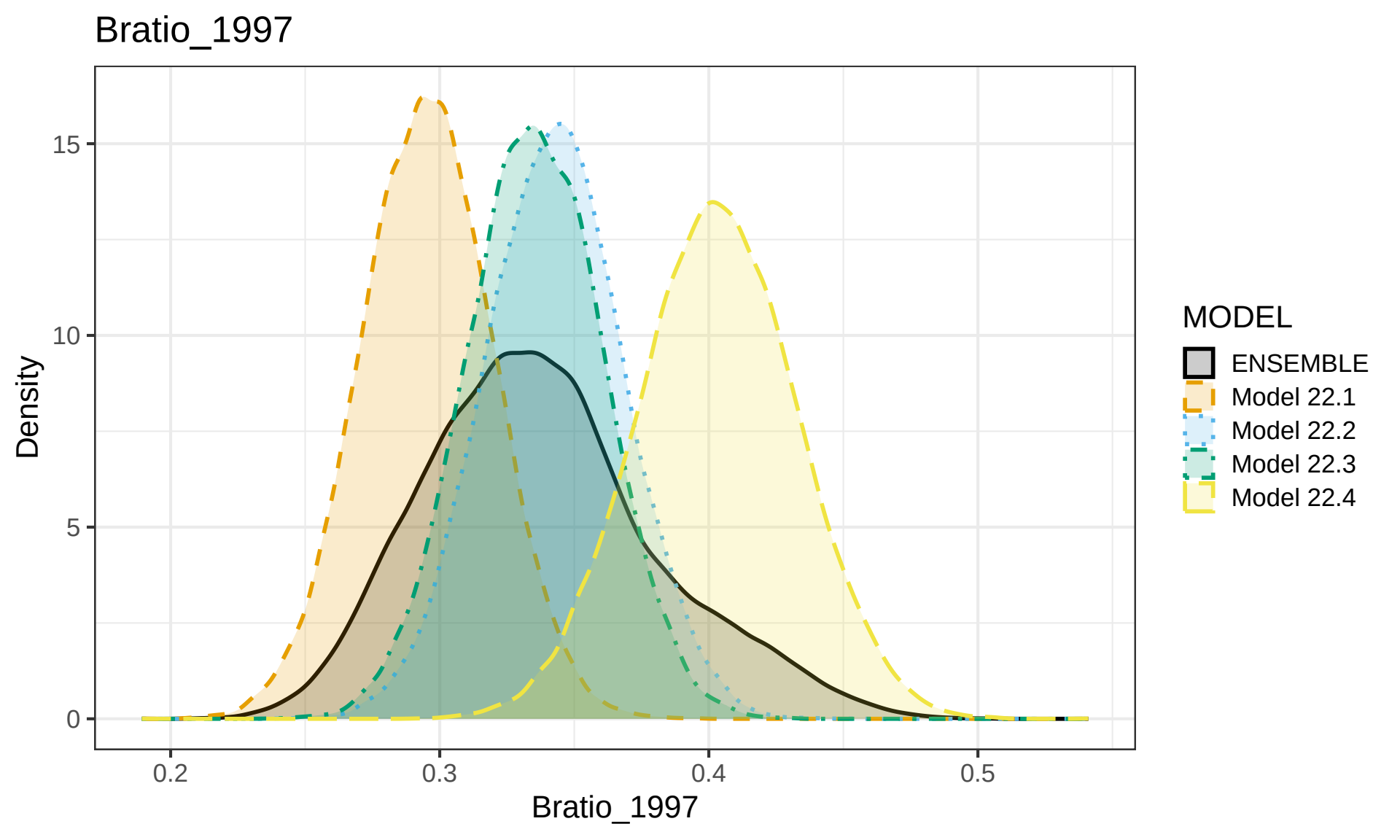
Bratio_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1997
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Density
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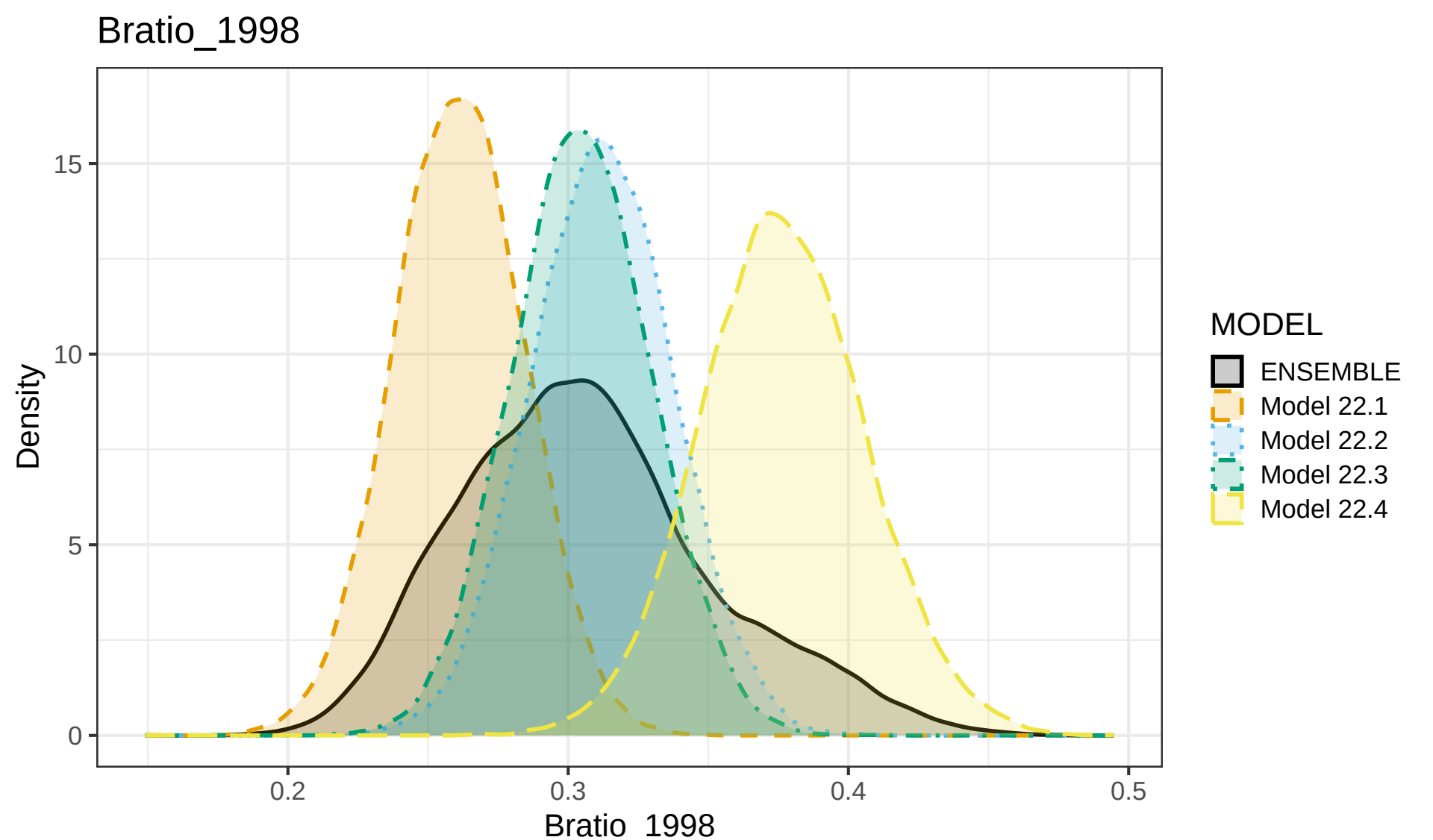
Bratio_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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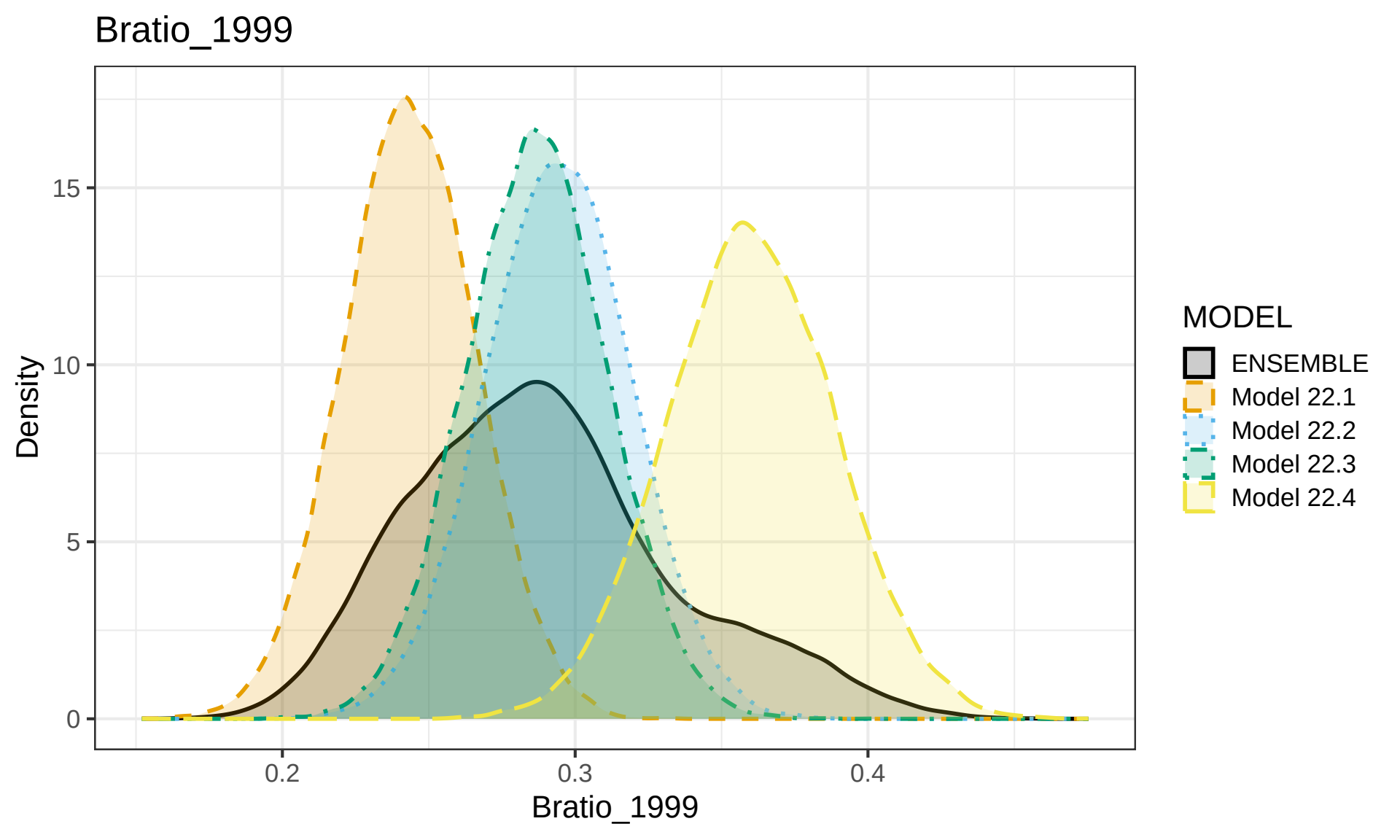
Bratio_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_1999
Density
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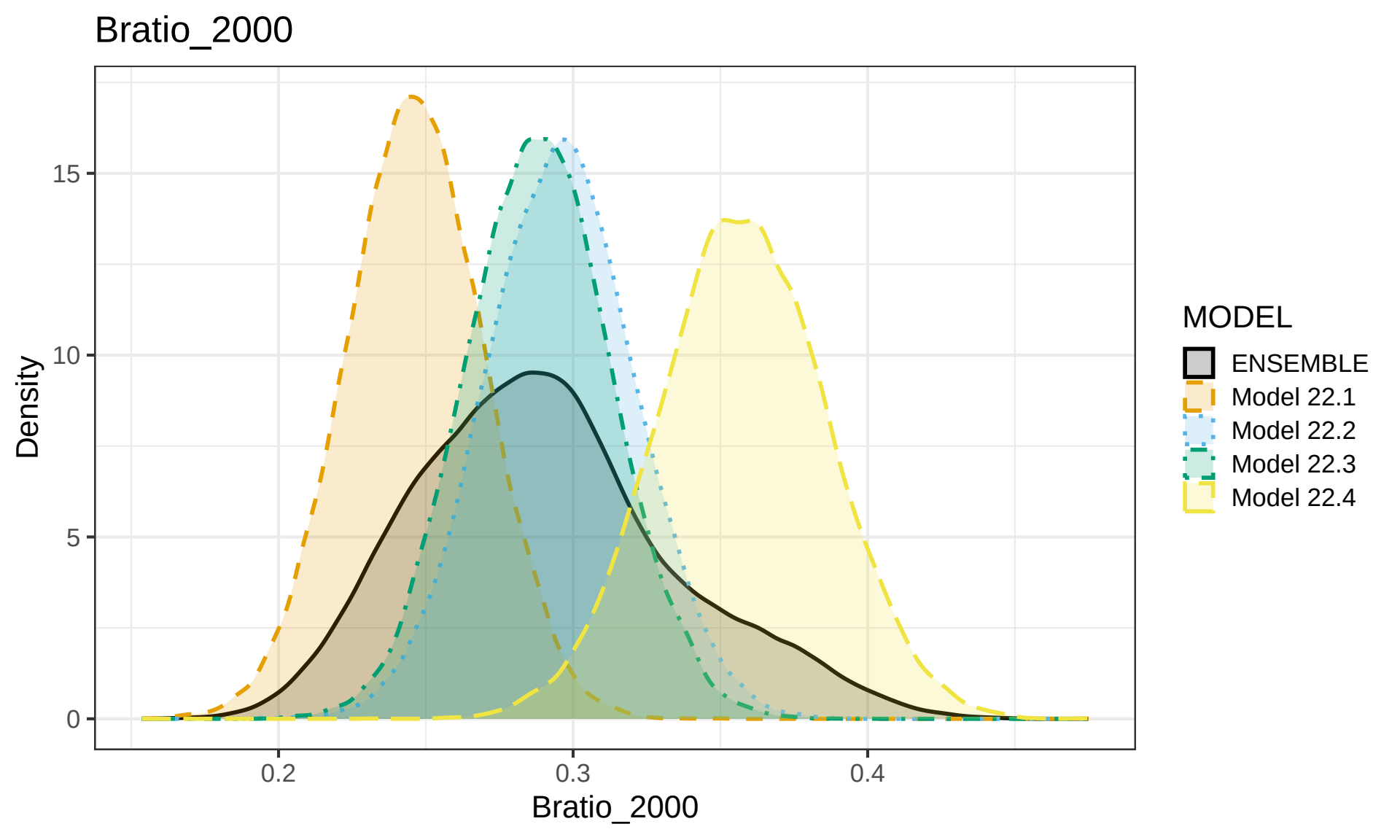
Bratio_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2000
Density
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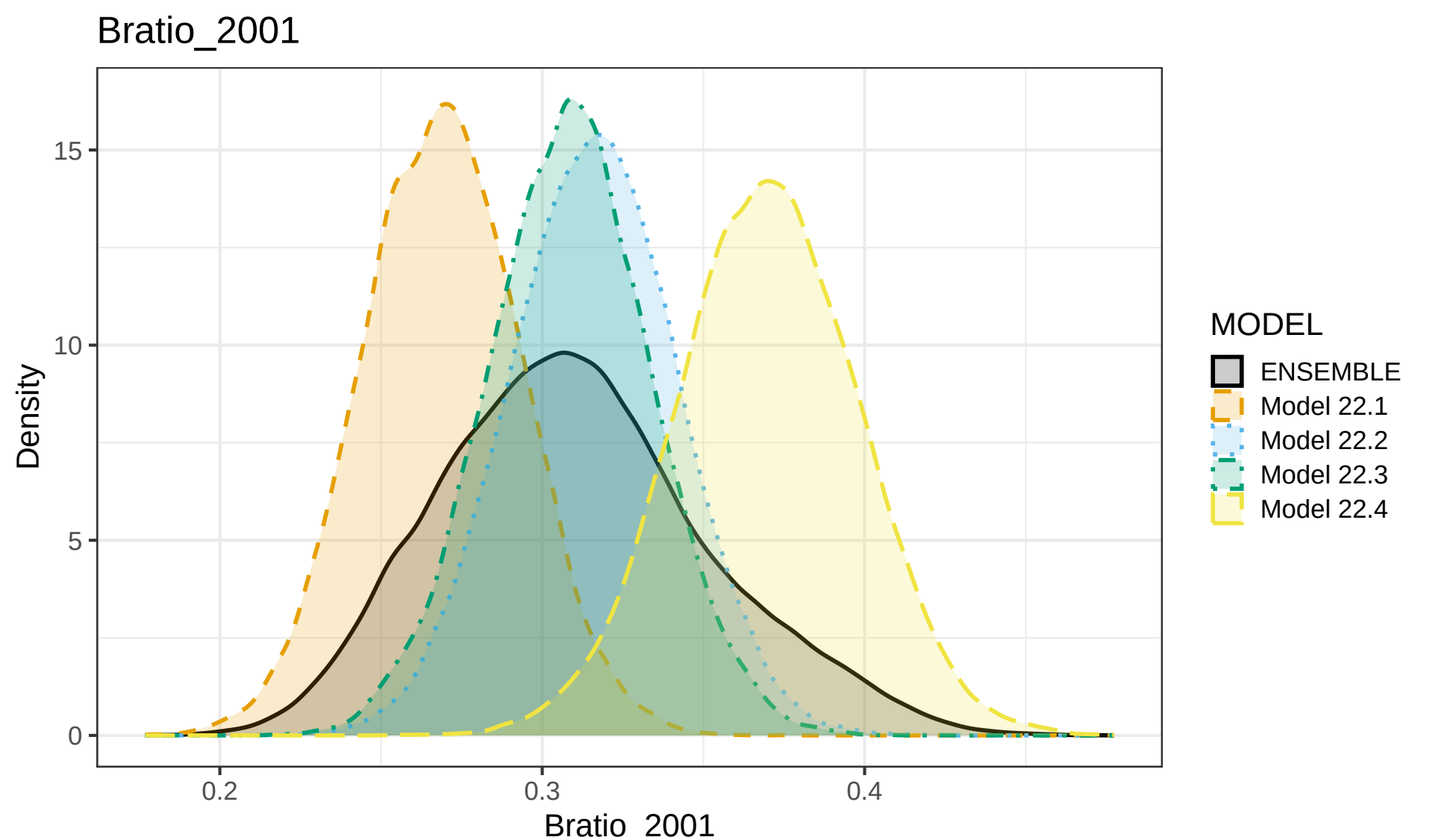
0.4
Bratio_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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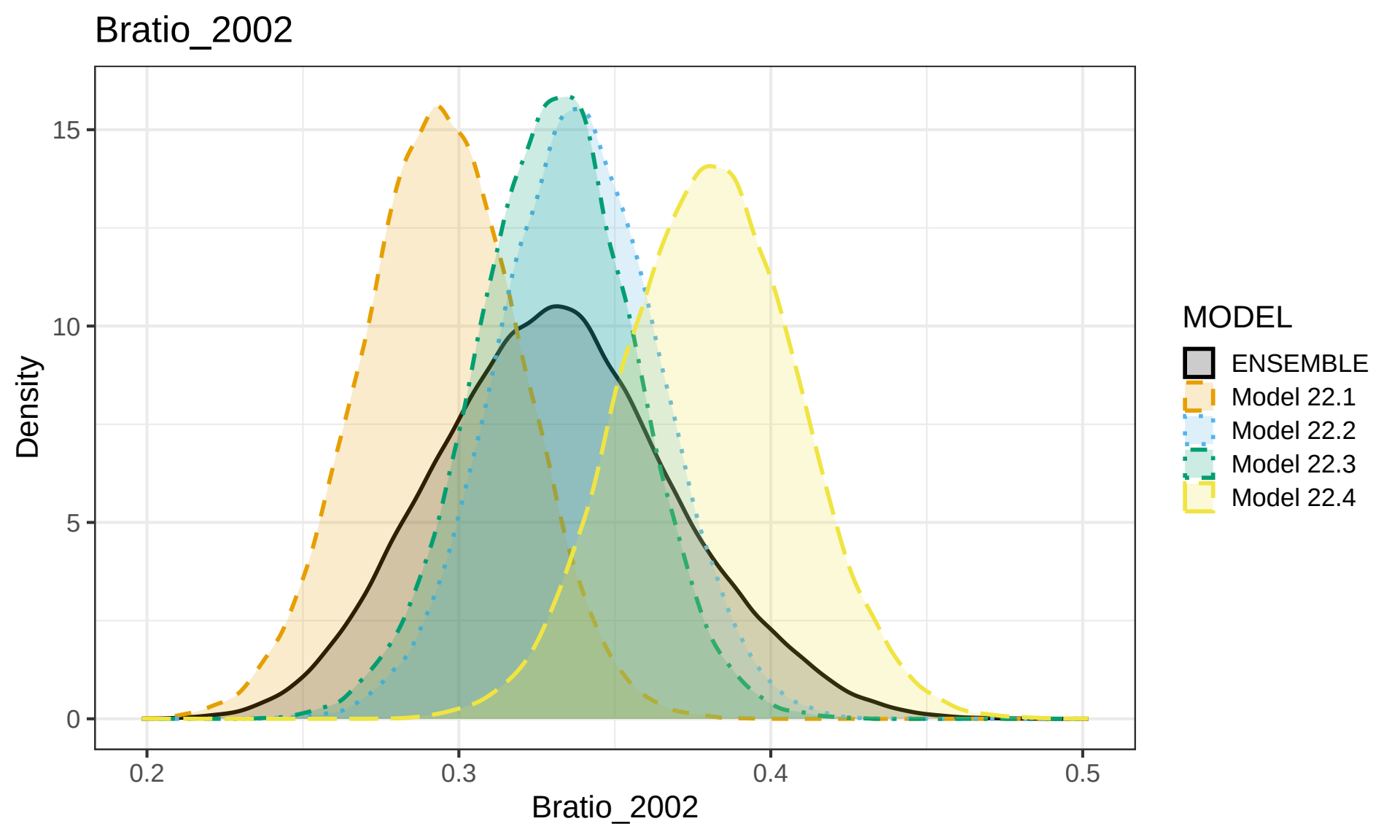
Bratio_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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0.4
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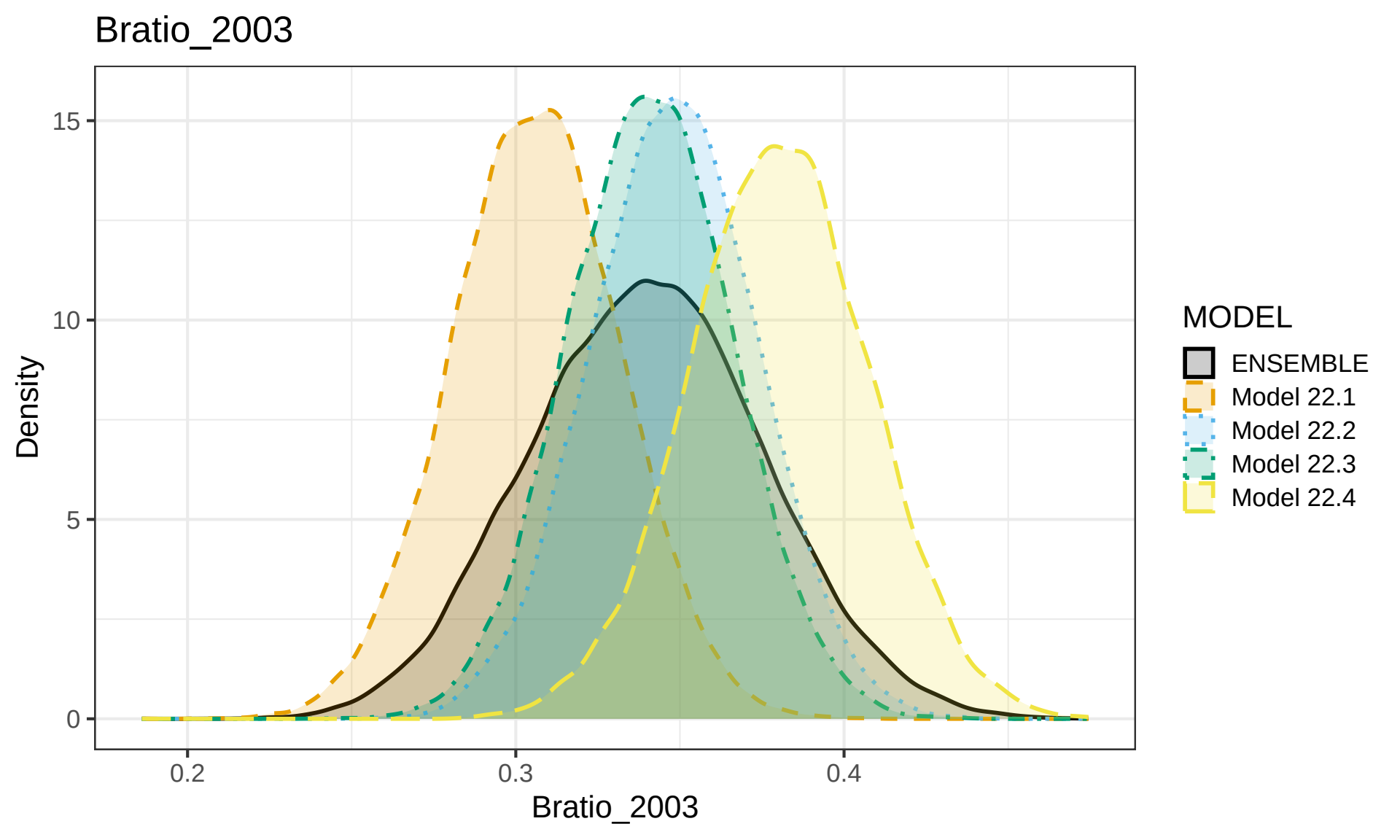
Bratio_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2003
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Density
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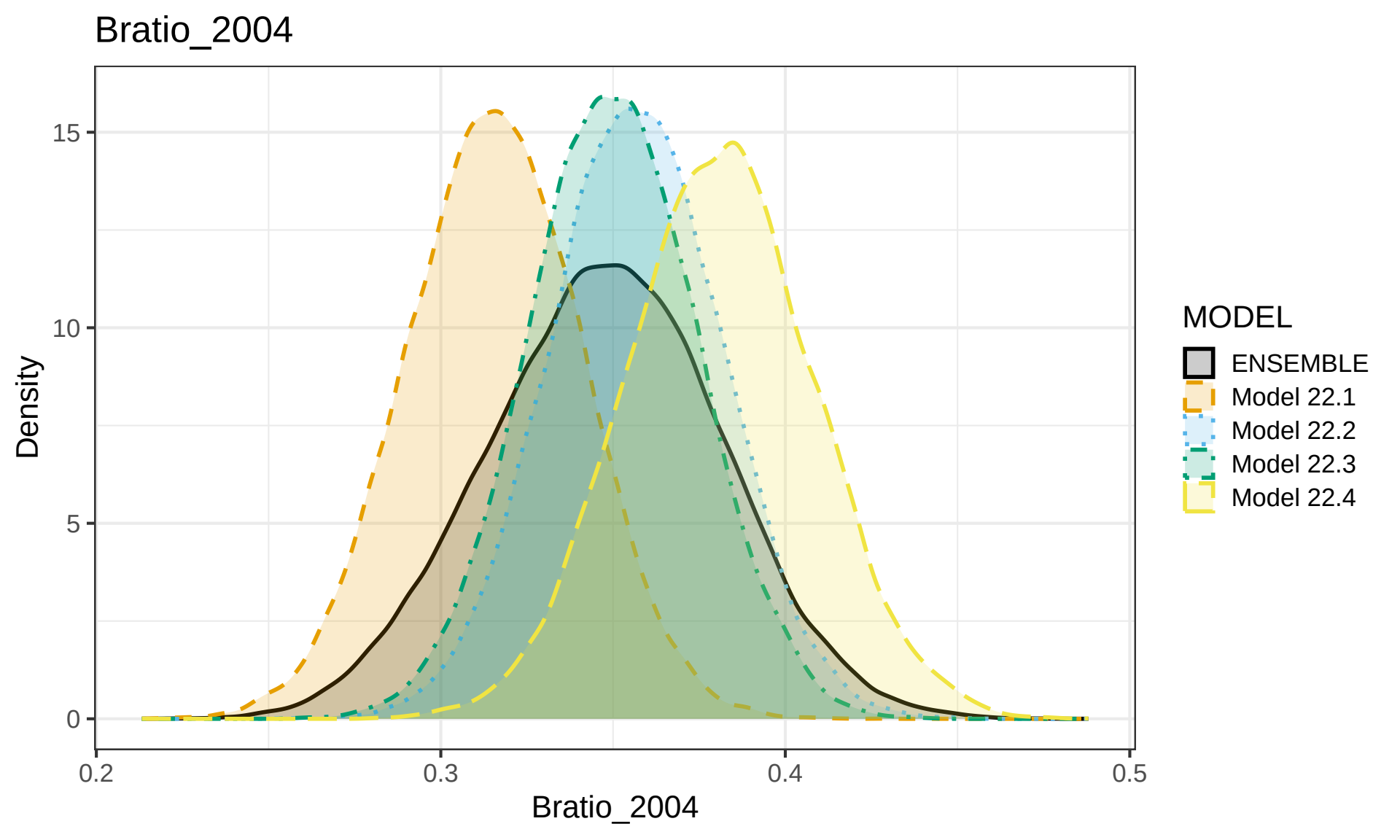
0.4
Bratio_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2004
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Density
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0.4
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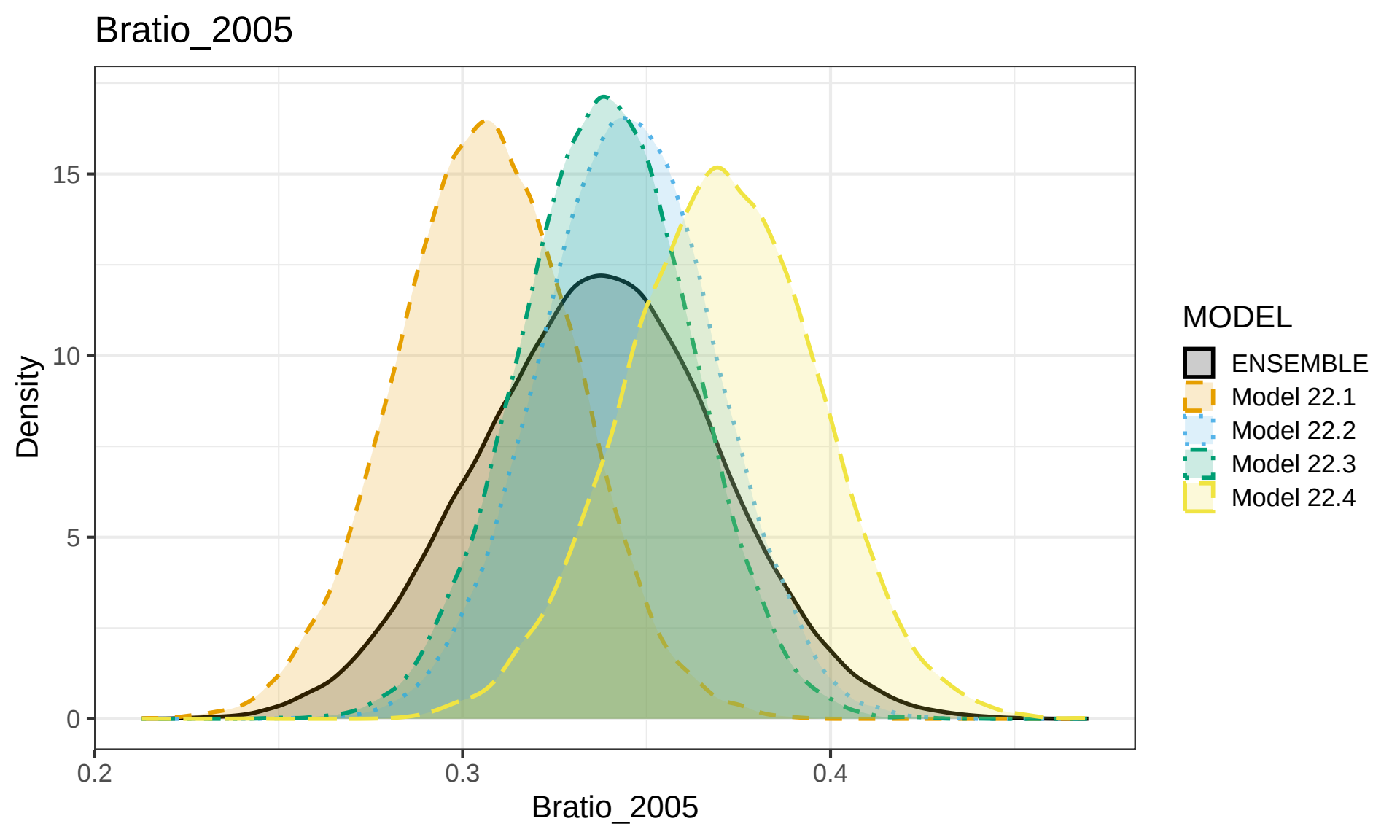
Bratio_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2005
Density
15
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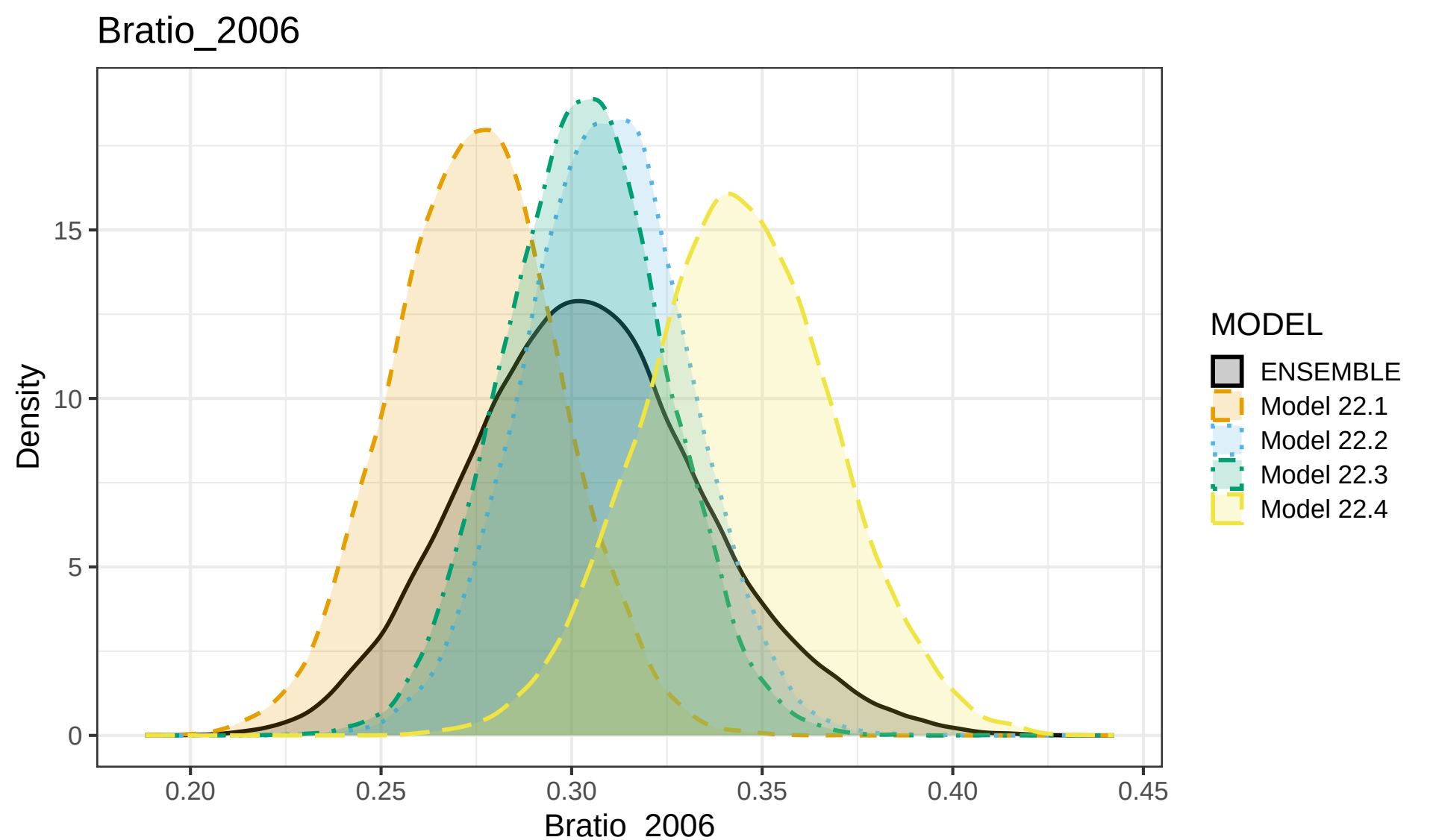
0.2
0.3
0.4
Bratio_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2006
Density
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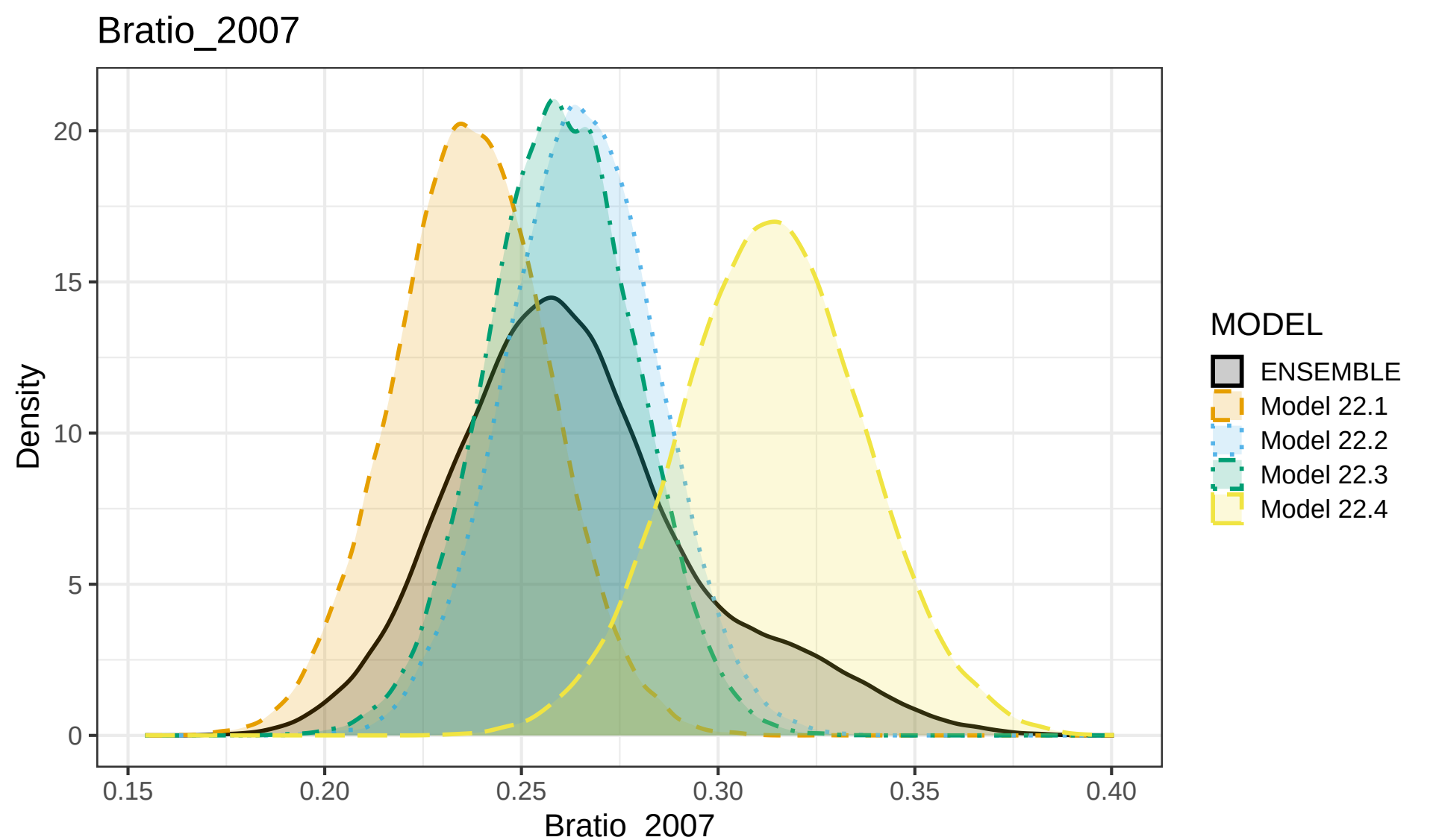
0.45
Bratio_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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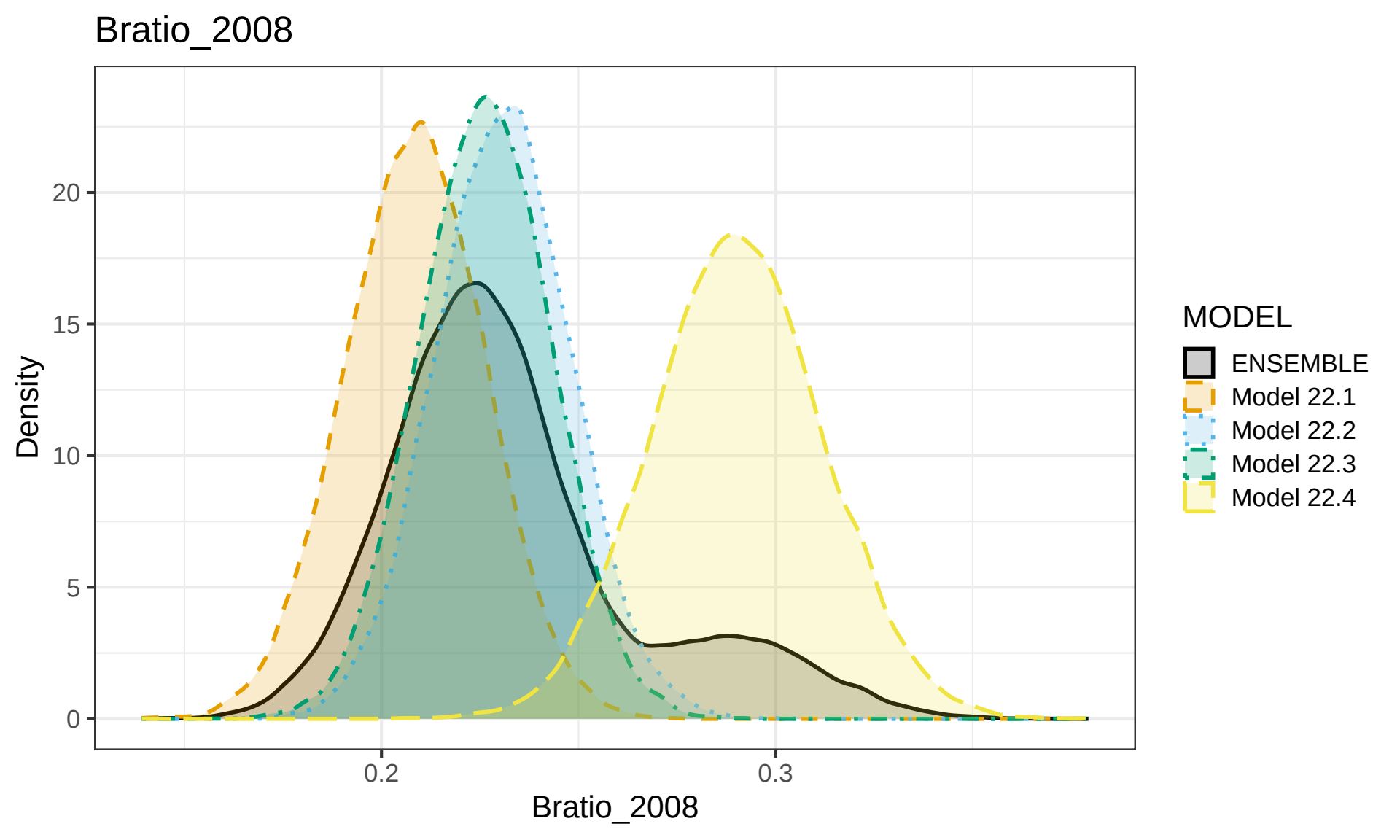
0.35
0.40
Bratio_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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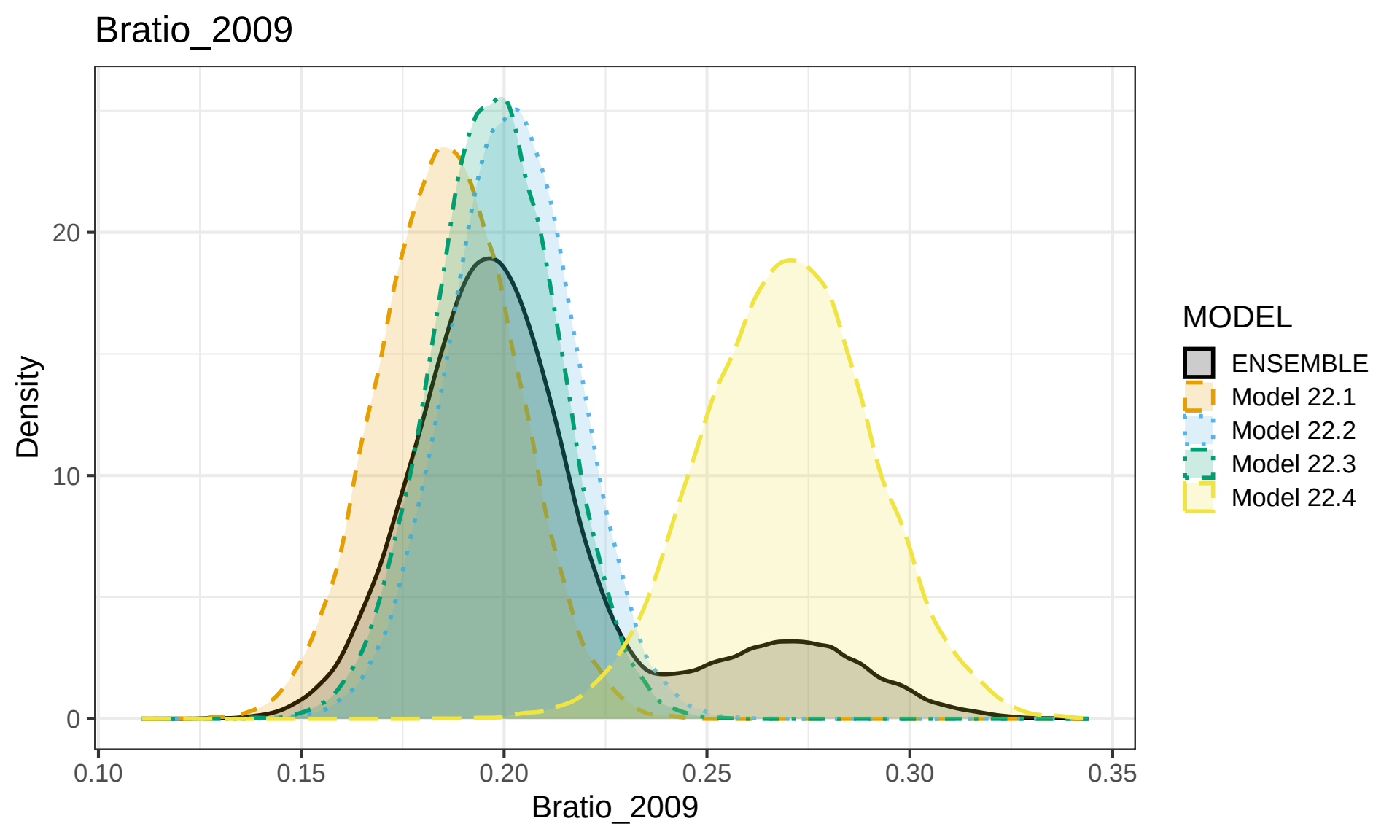
Bratio_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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10
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0.10
0.15
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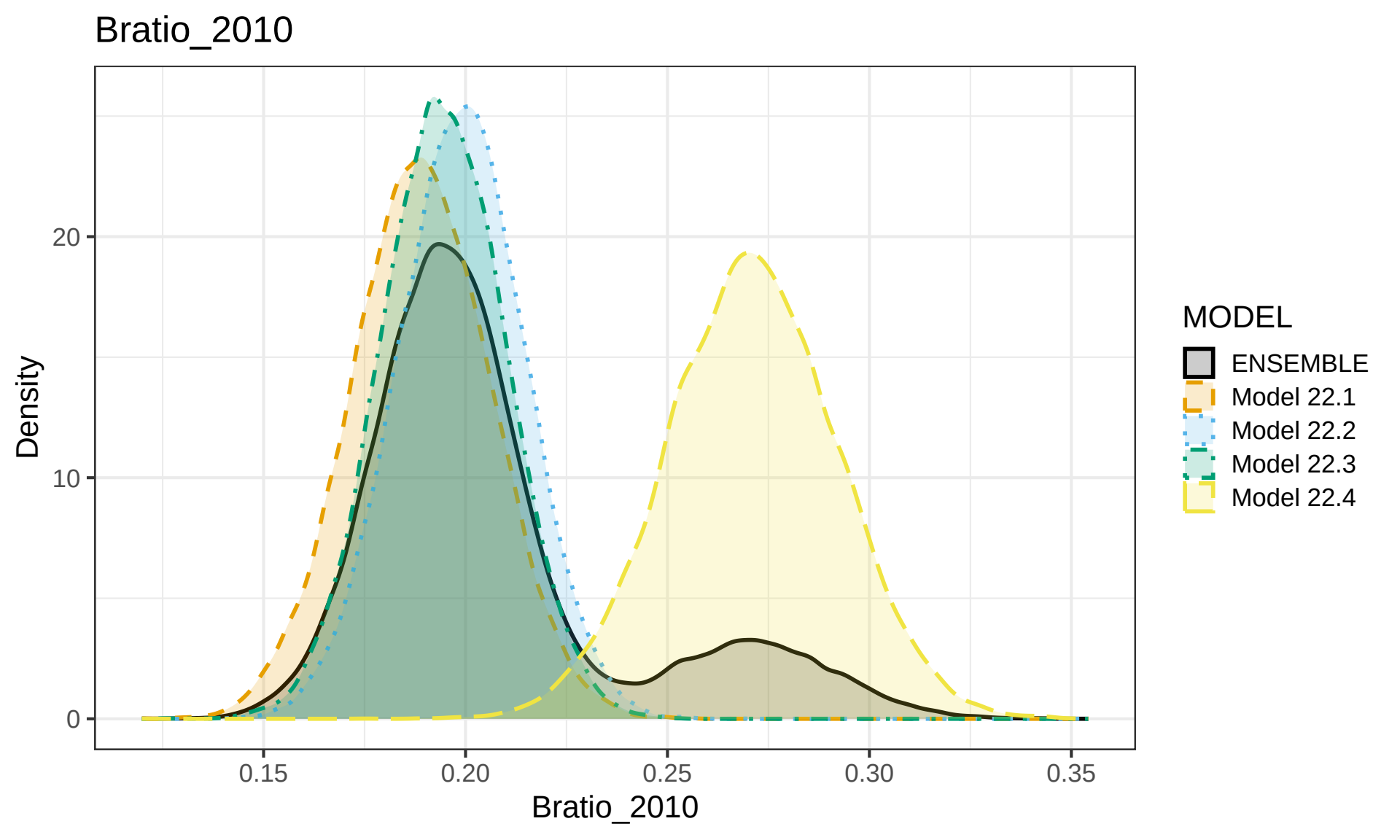
0.30
0.35
Bratio_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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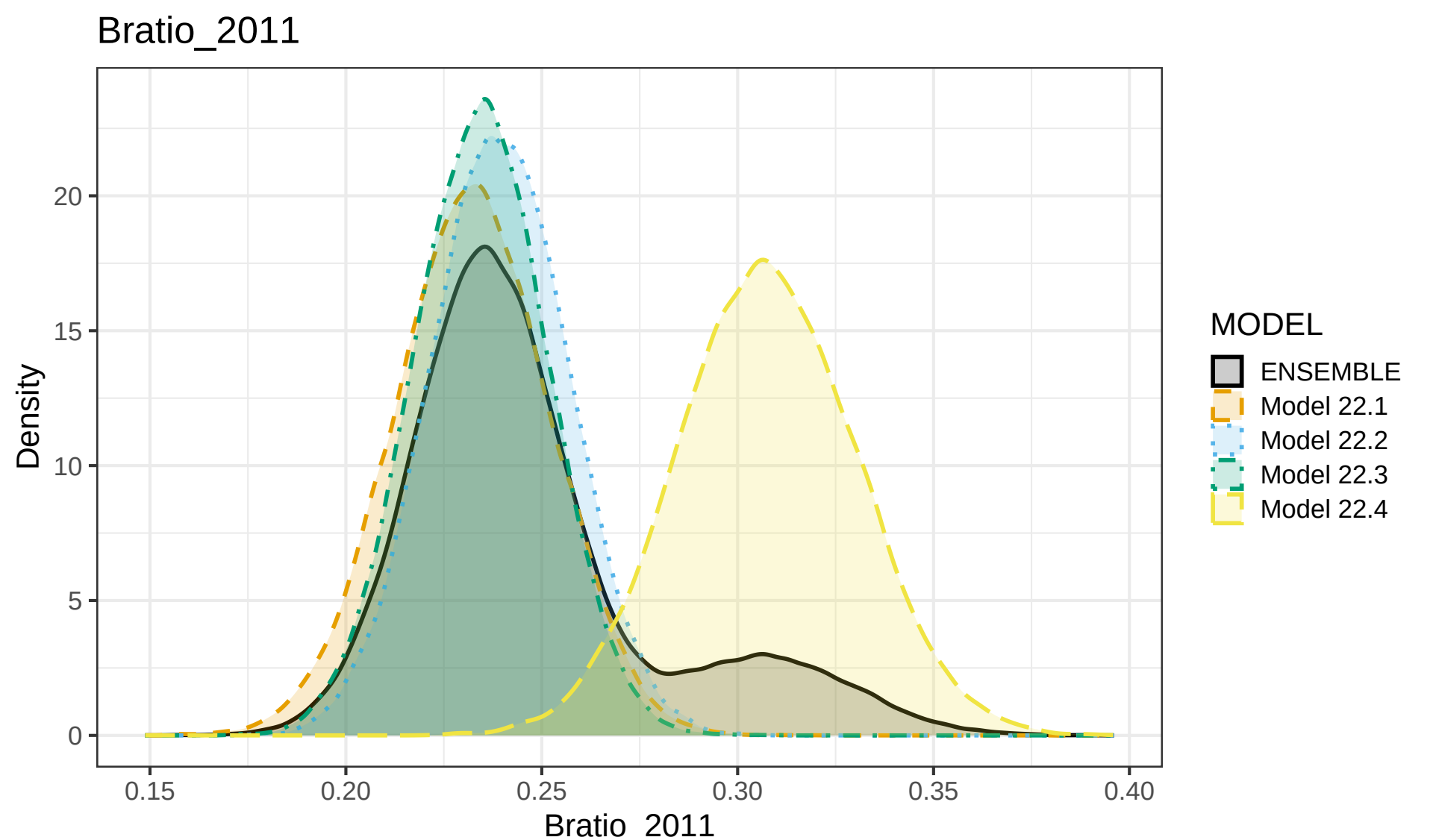
0.30
0.35
Bratio_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2011
Density
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0.20
0.25
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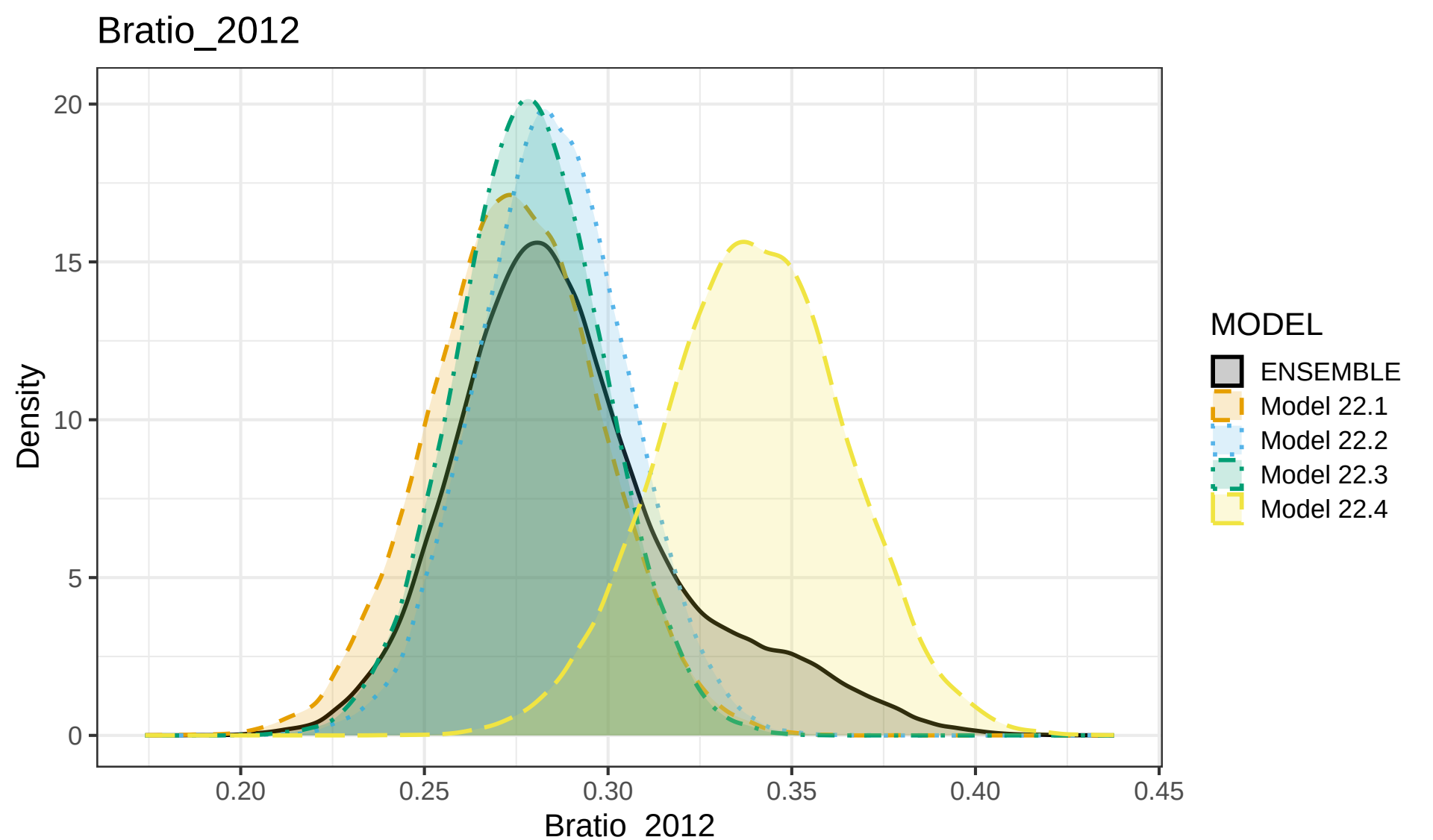
0.35
0.40
Bratio_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2012
Density
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0.20
0.25
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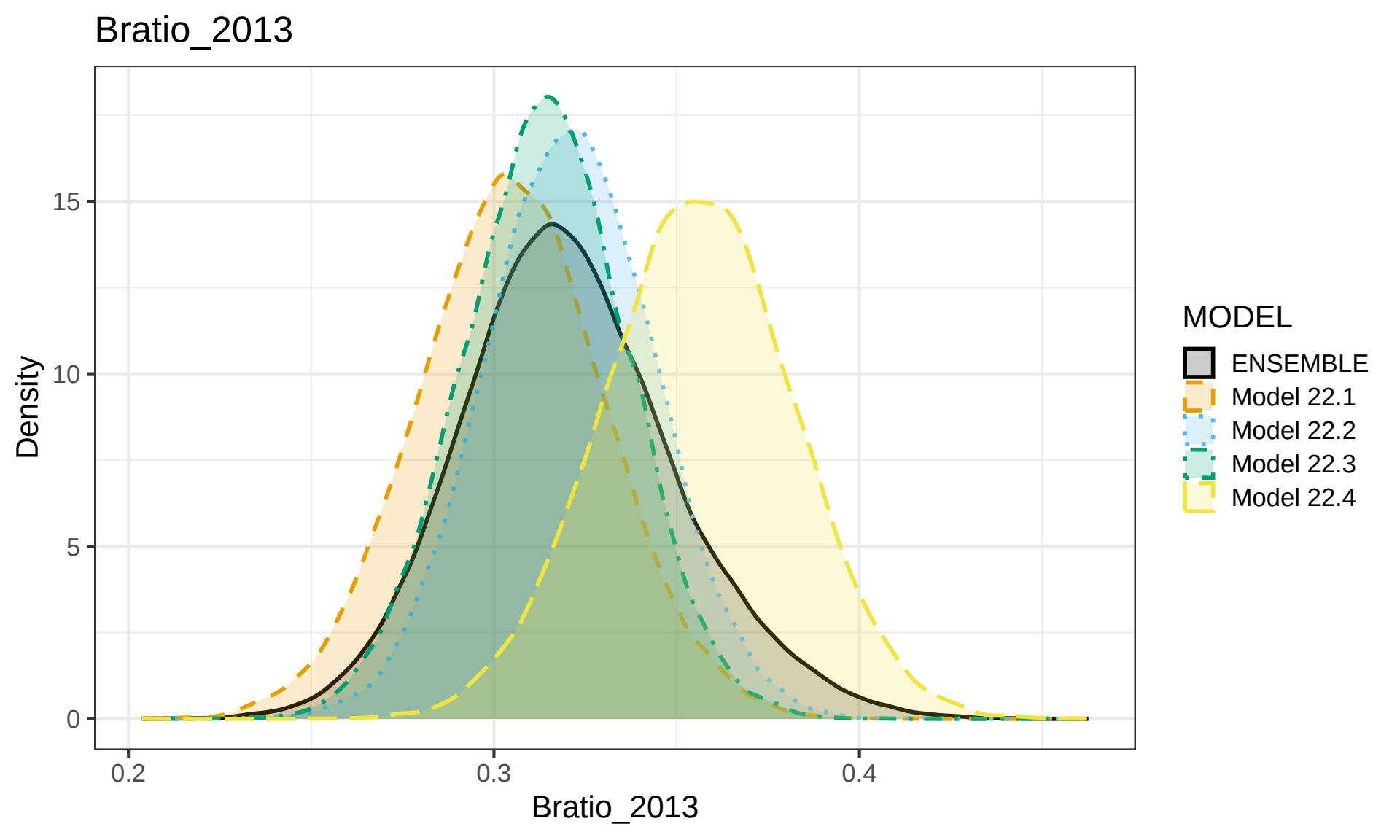
Bratio_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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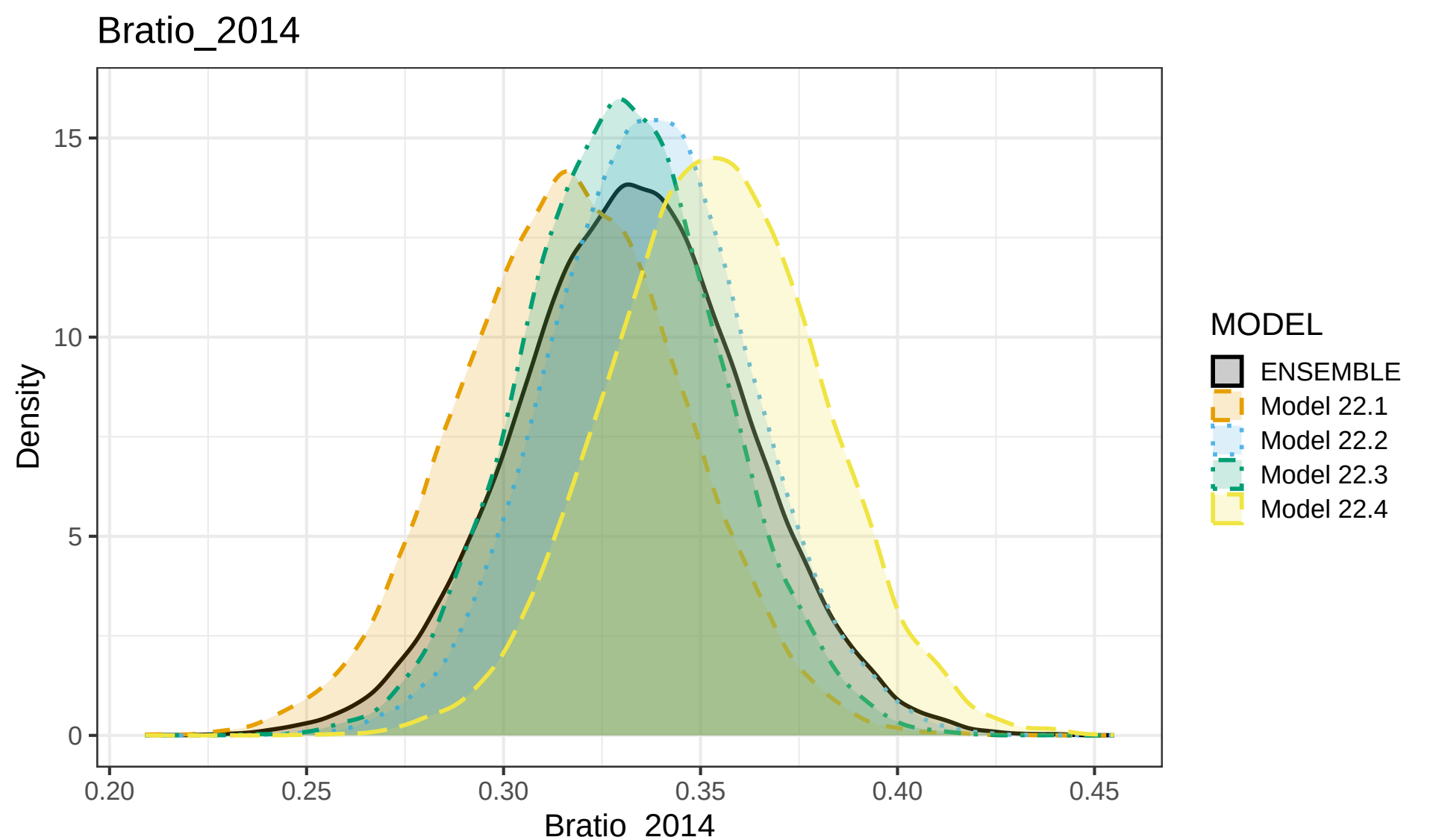
Bratio_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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0.25
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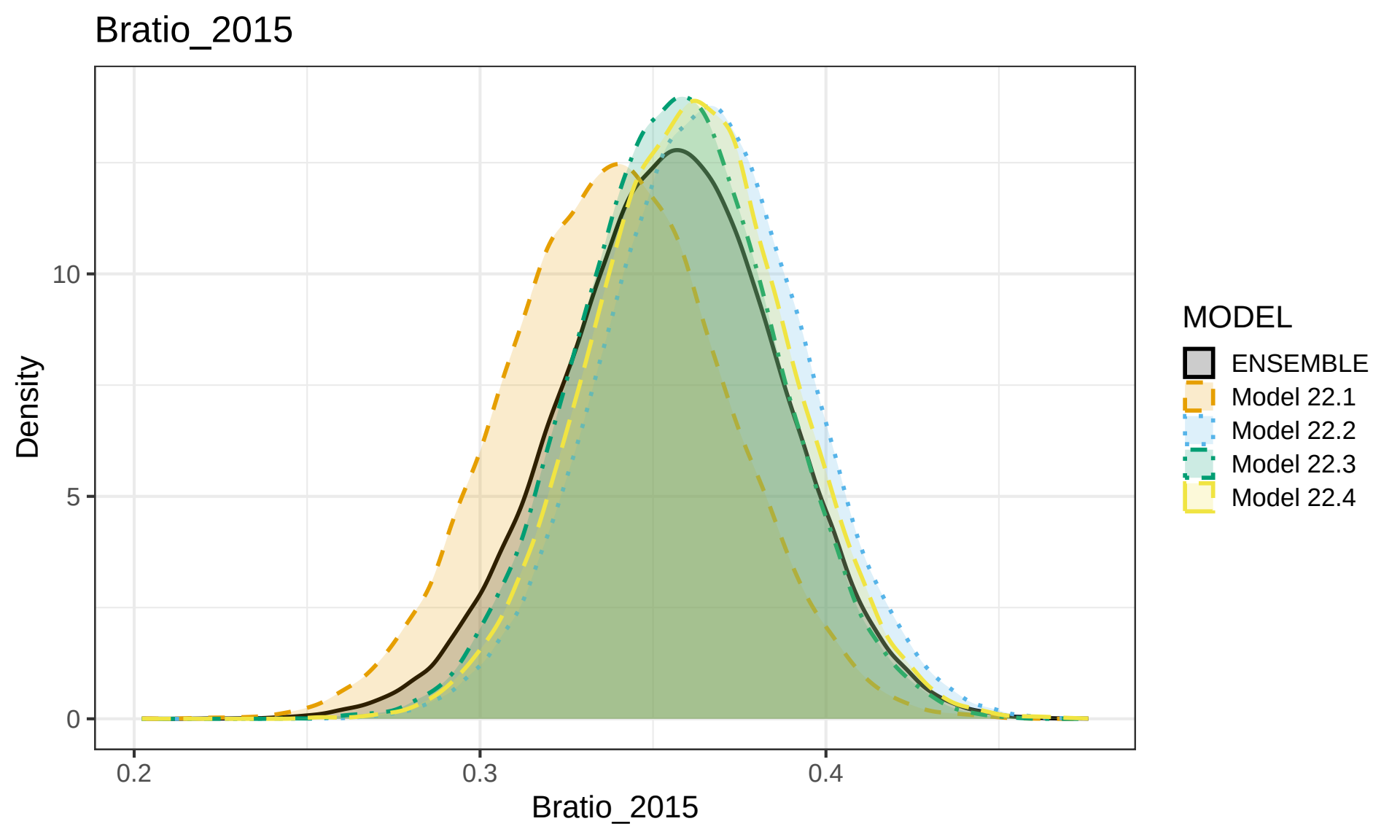
Bratio_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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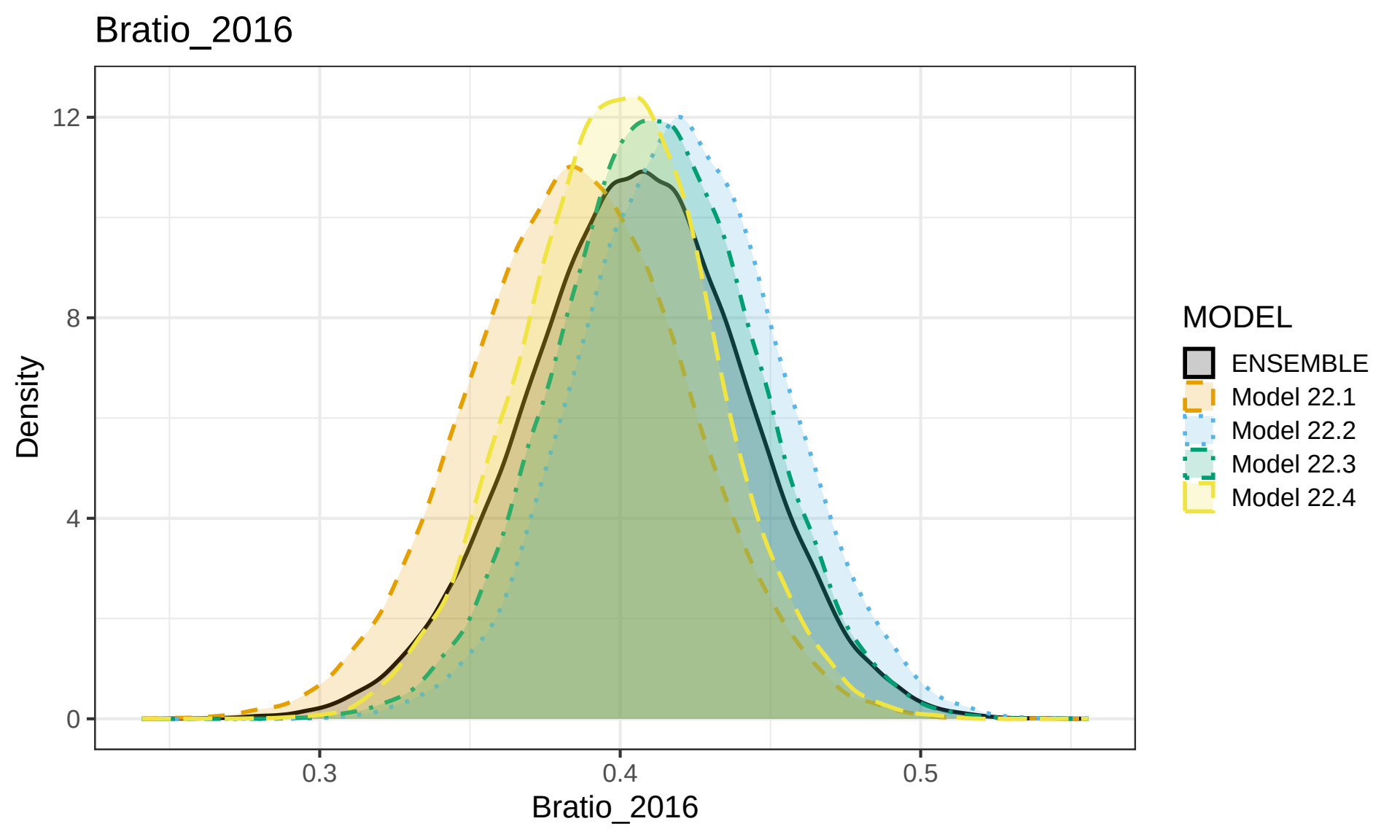
0.4
Bratio_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2016
12
8
4
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Density
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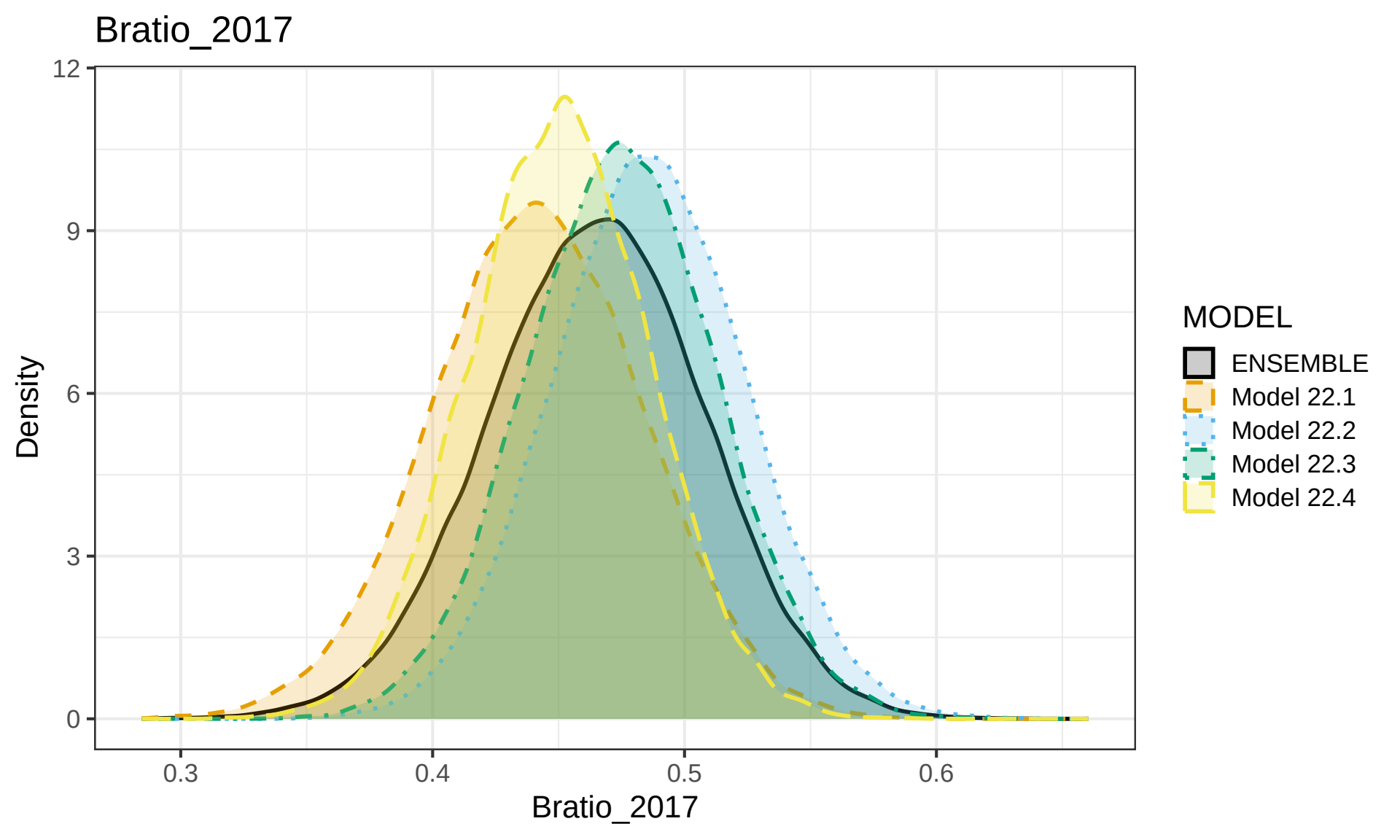
0.4
0.5
Bratio_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2017
12
9
6
3
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Density
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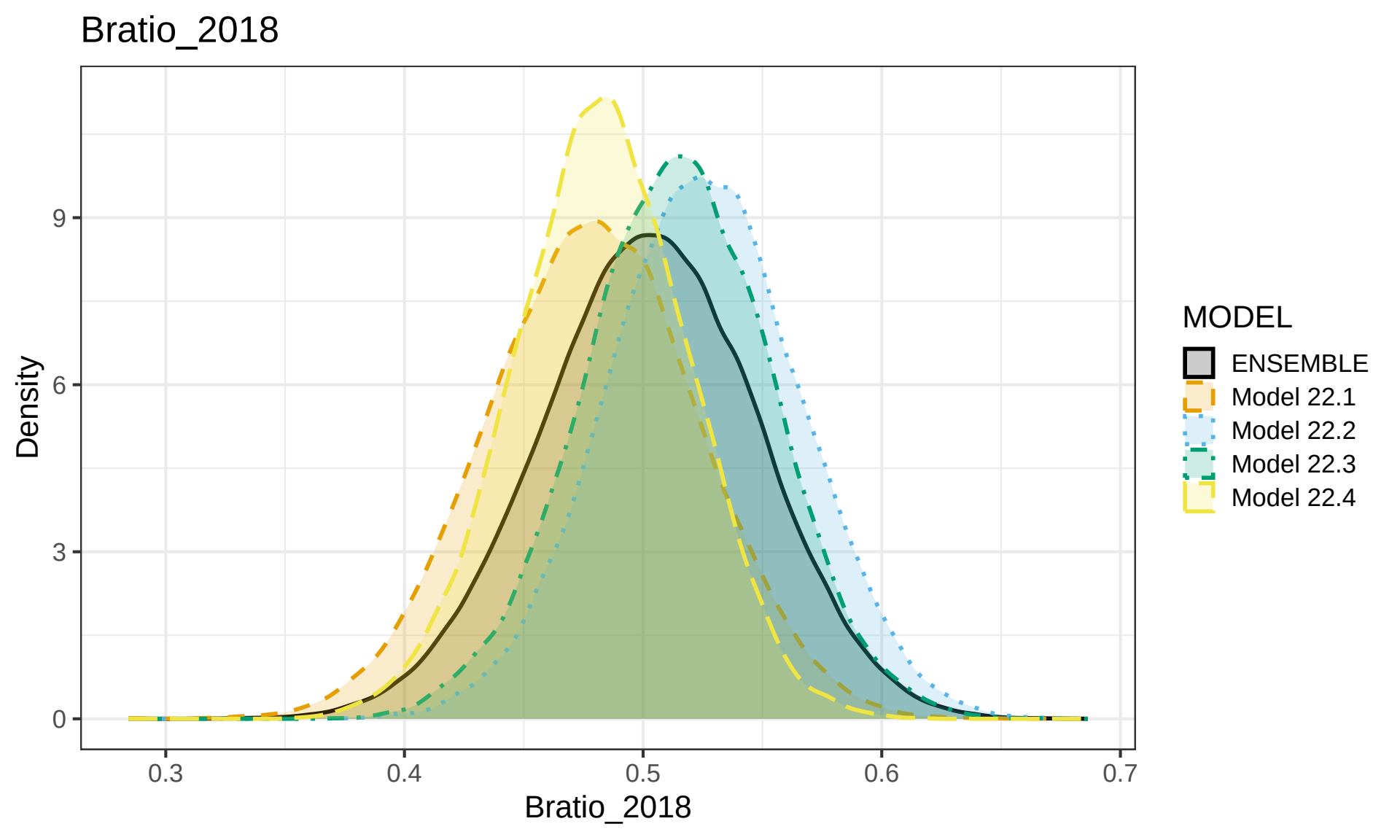
0.5
0.6
Bratio_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2018
Density
9
6
3
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0.3
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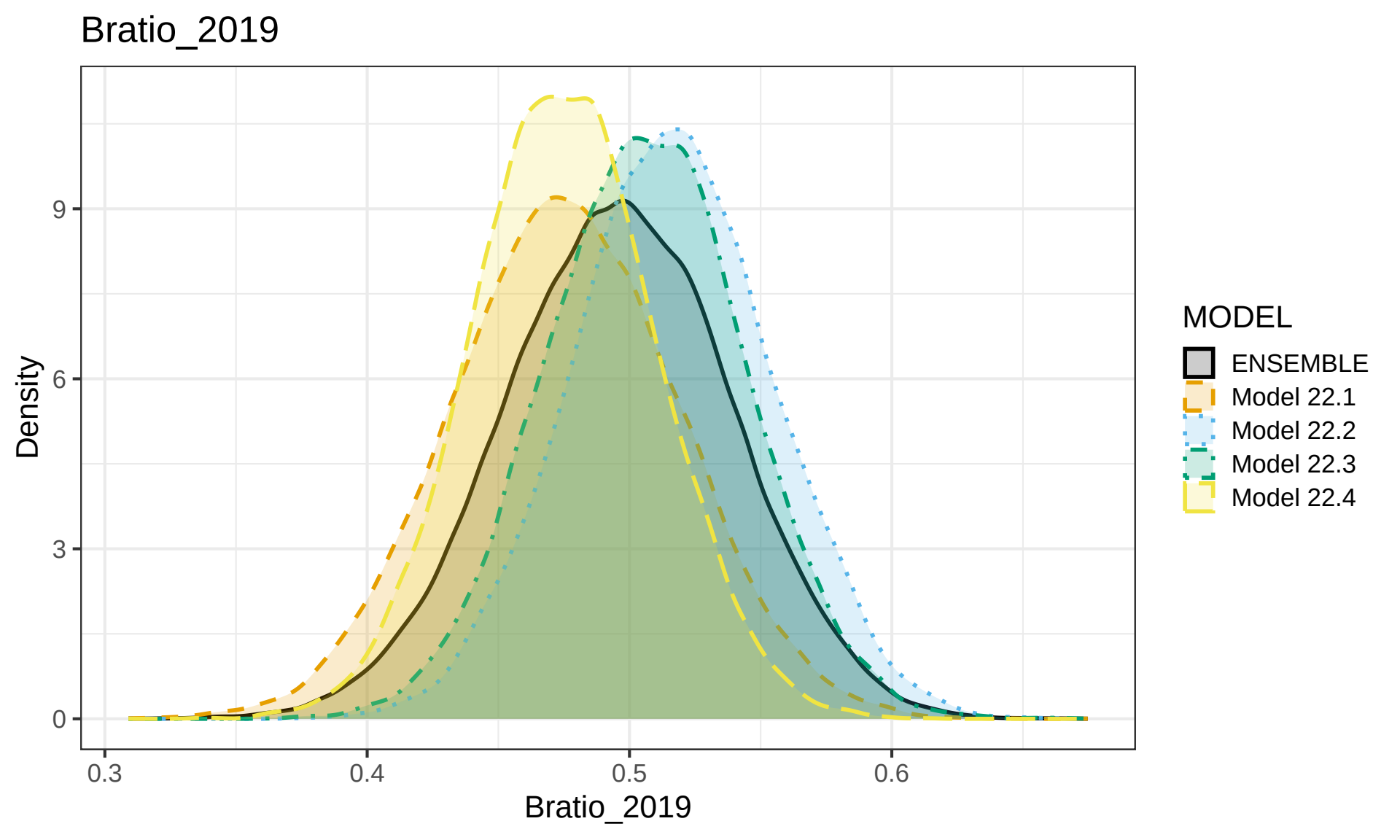
Bratio_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2019
Density
9
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3
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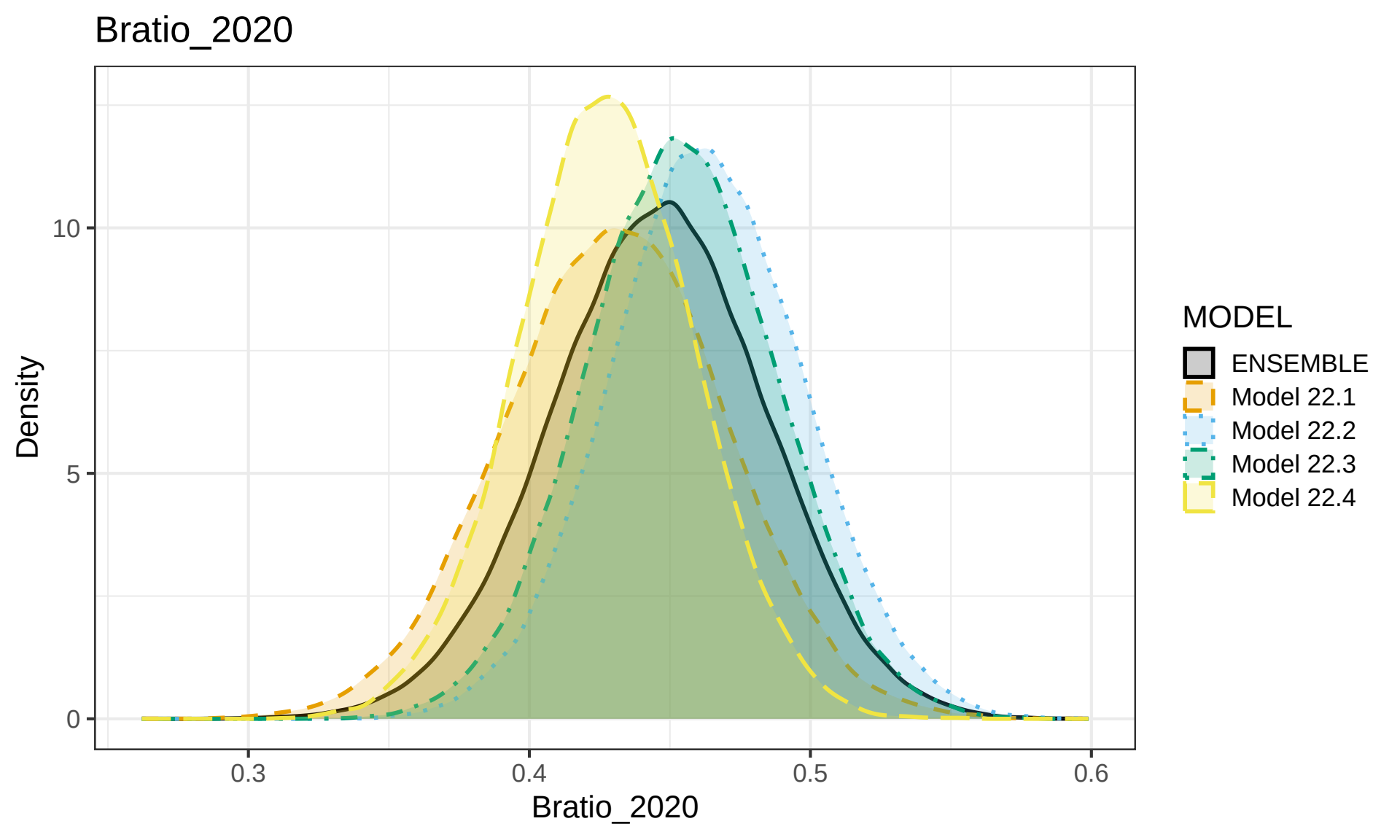
Bratio_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2020
Density
10
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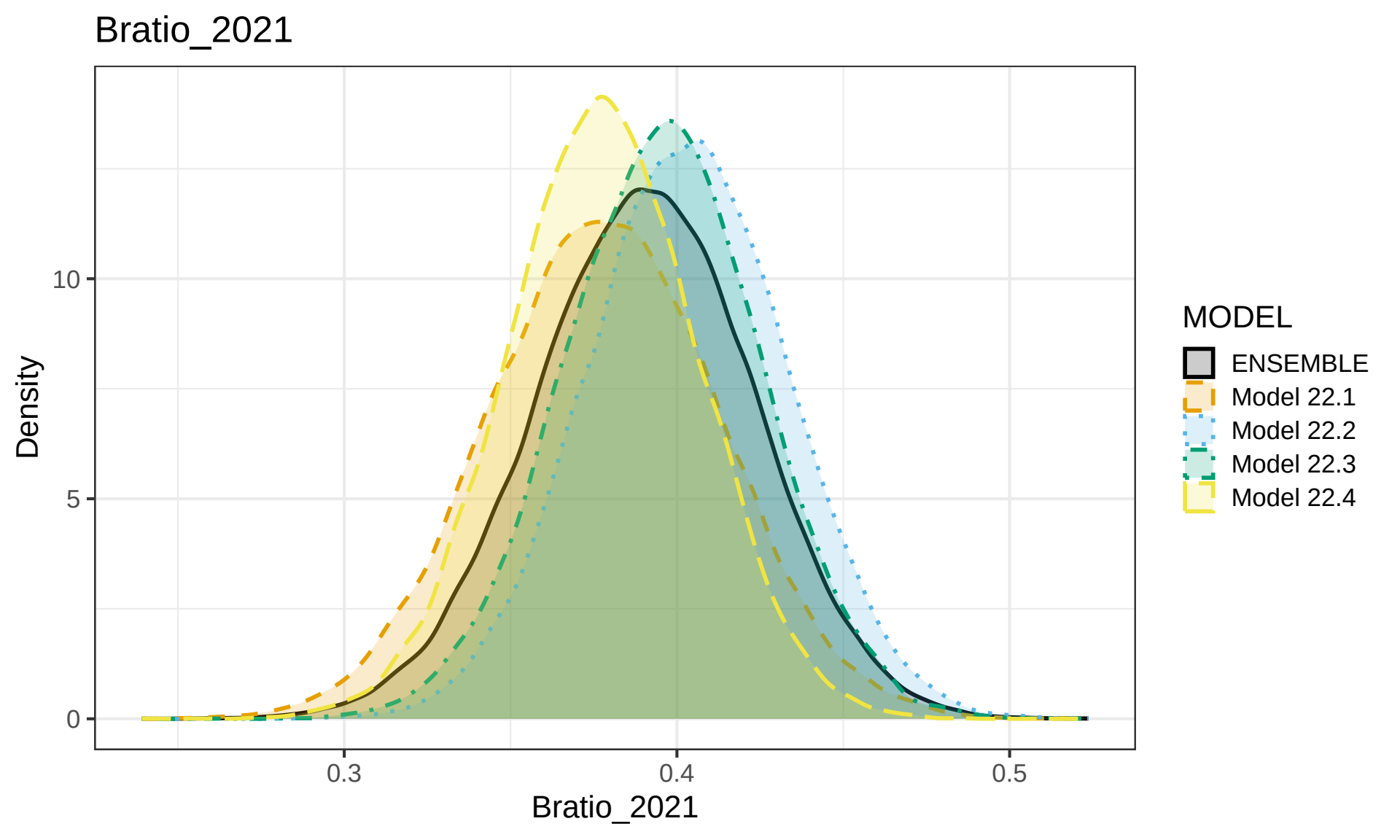
Bratio_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2021
Density
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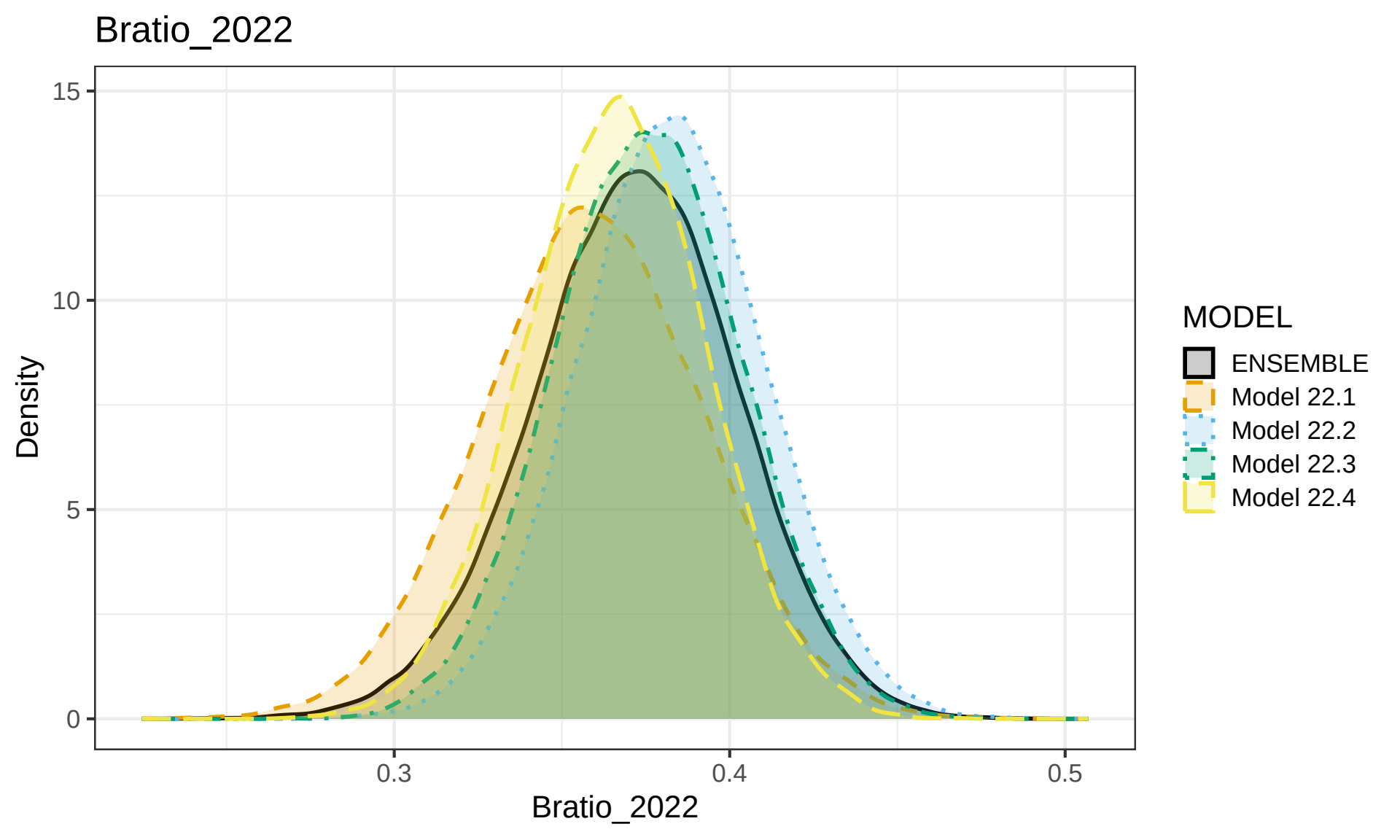
Bratio_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2022
15
10
5
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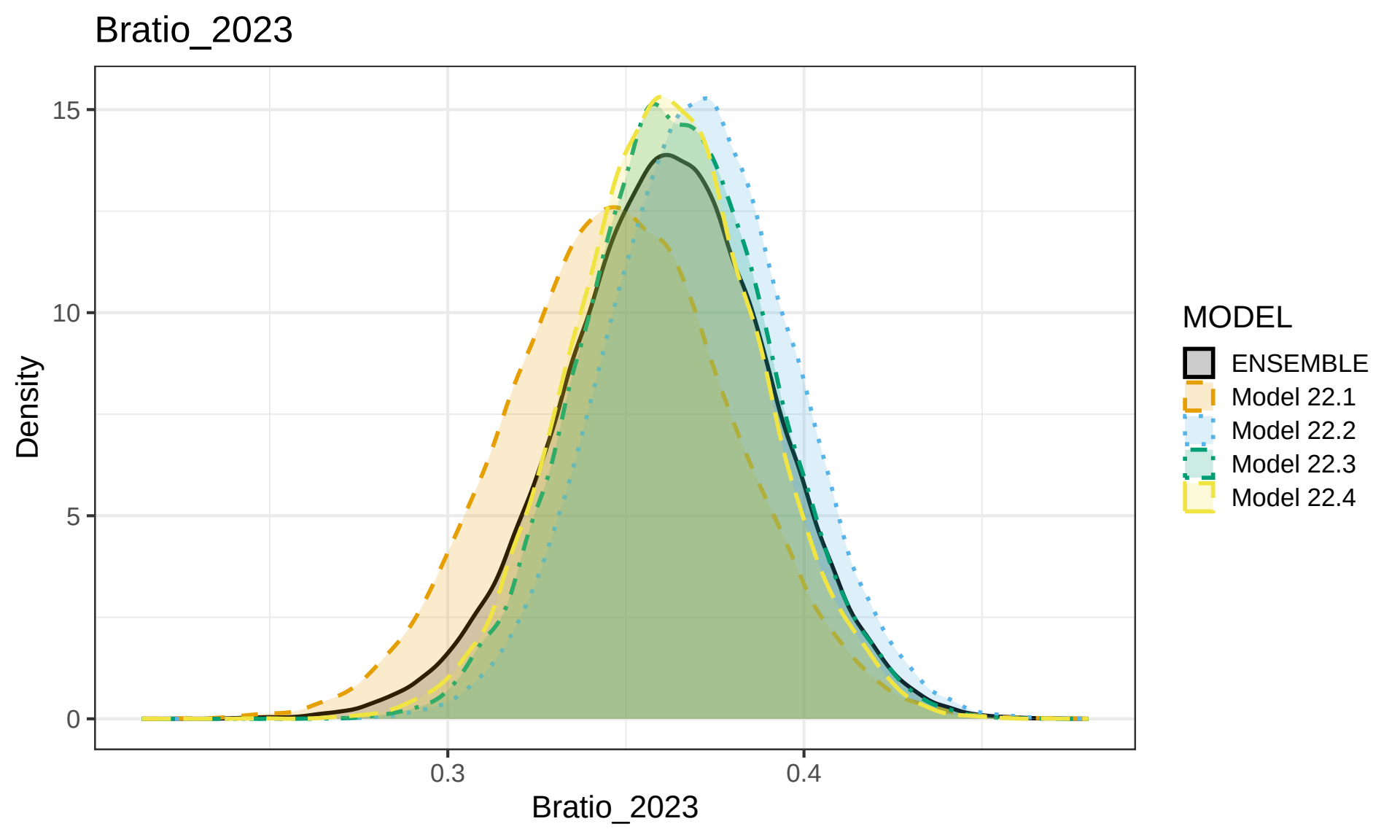
Density
0.3
0.4
0.5
Bratio_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2023
15
10
5
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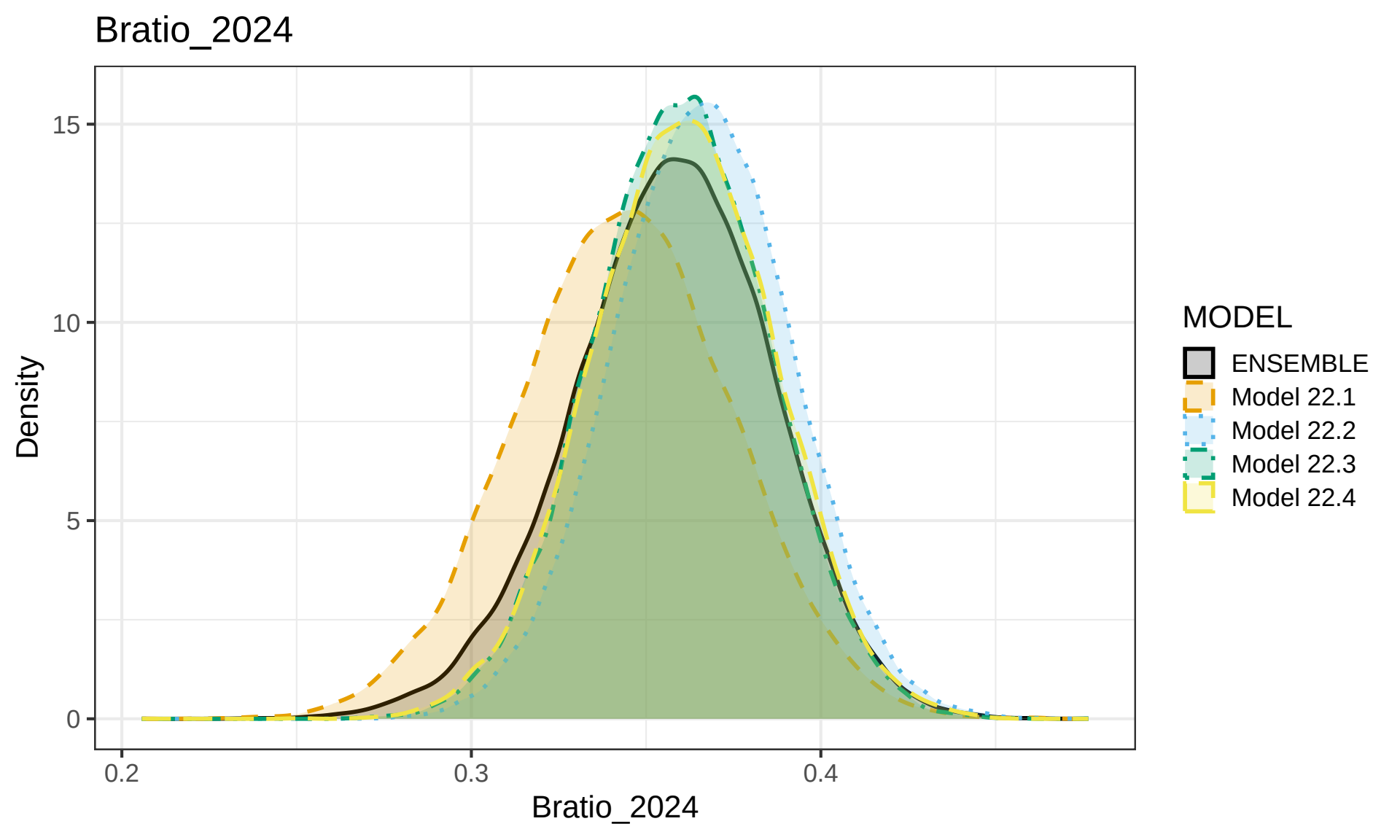
Density
0.3
0.4
Bratio_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2024
15
10
5
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Density
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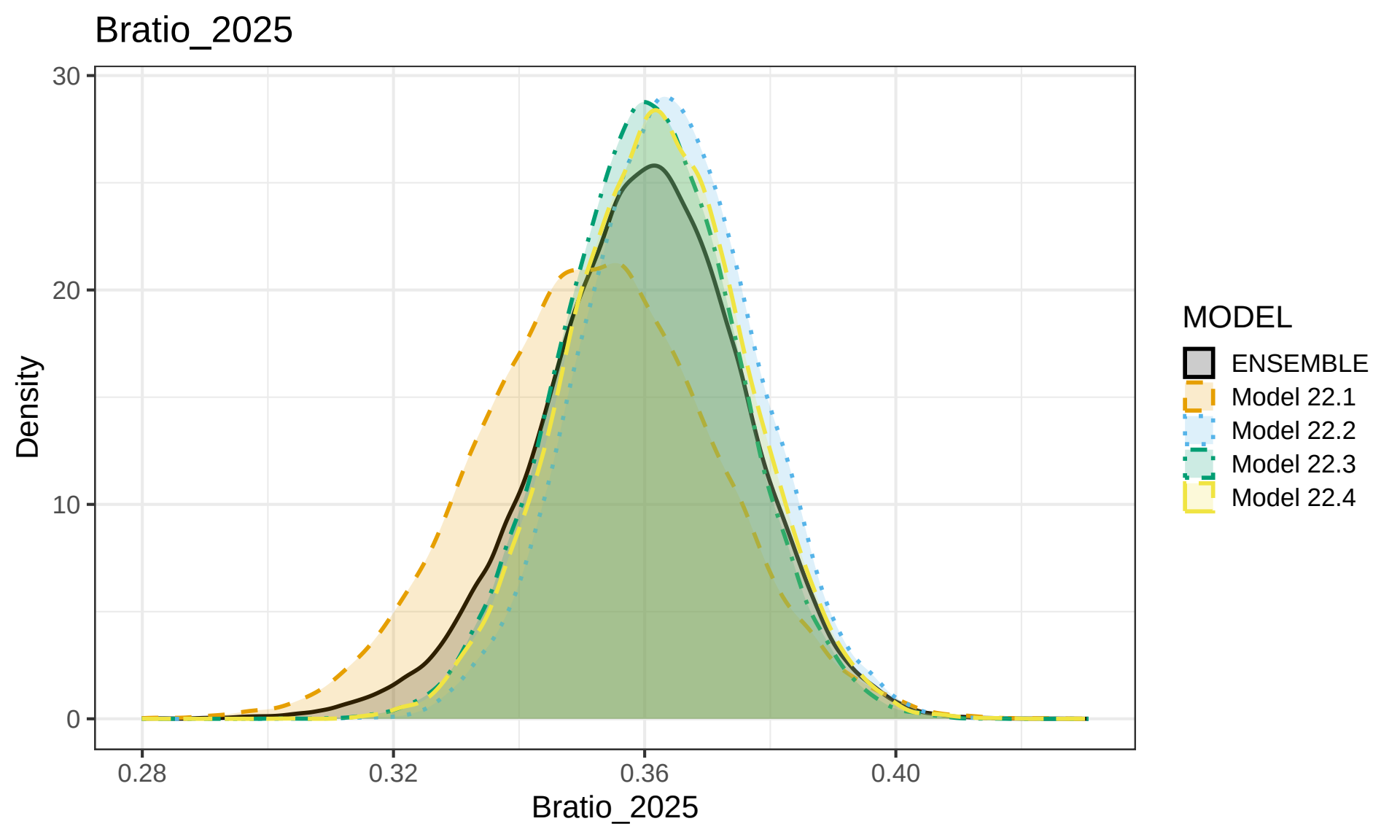
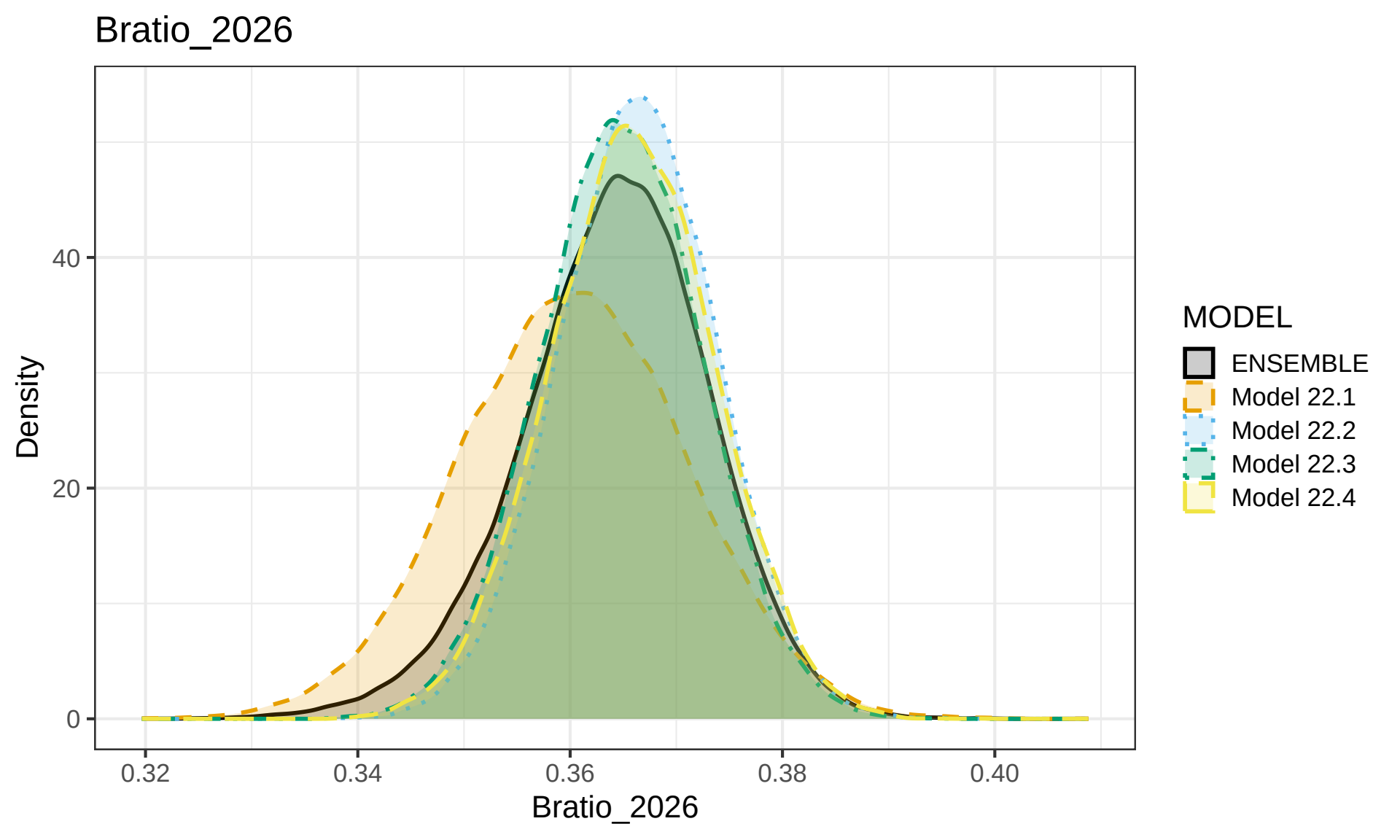
0.3
0.4
Bratio_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2025
30
20
10
0
Density
0.28
0.32
0.36
0.40
Bratio_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2026
Density
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0.38
0.40
Bratio_2026
MODEL
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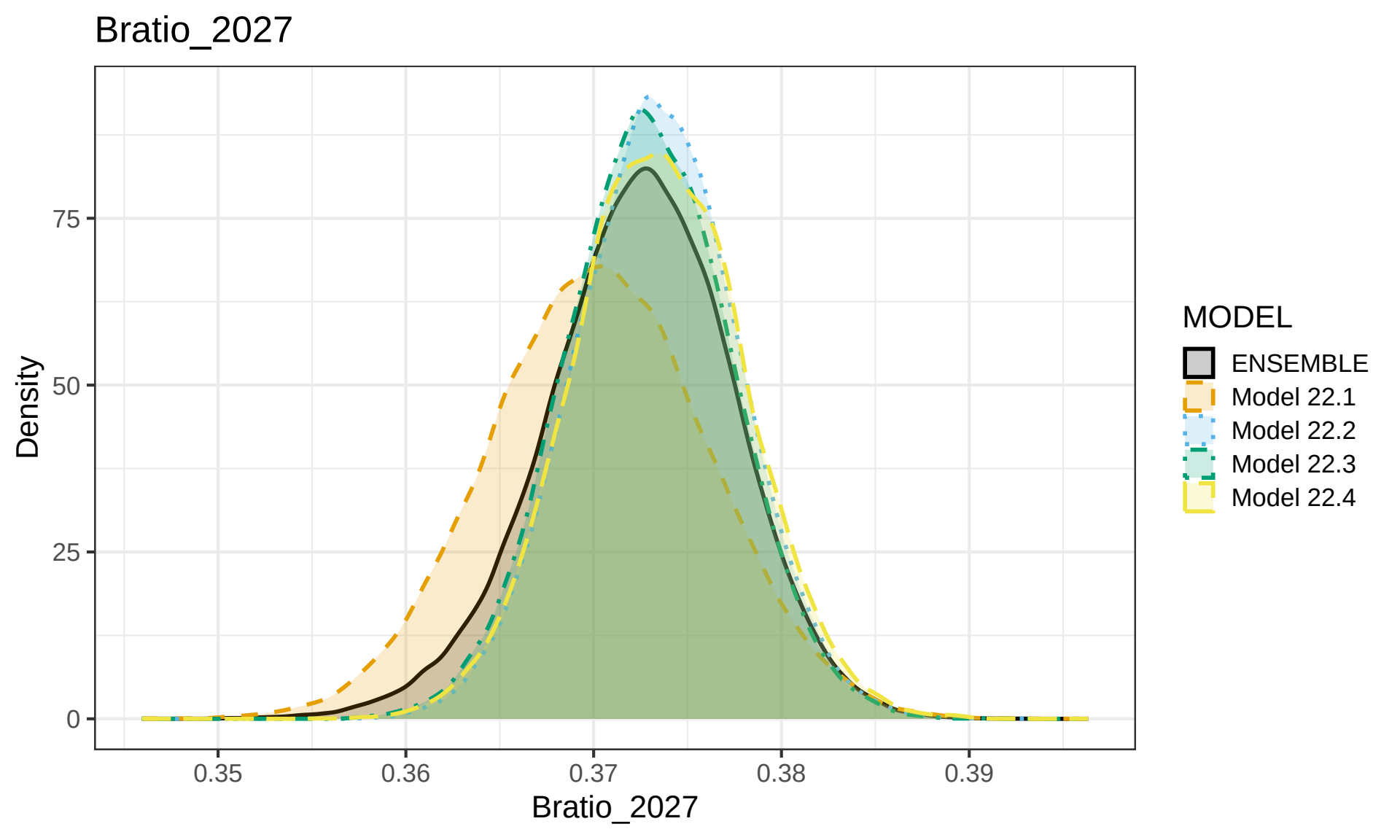
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2027
Density
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Bratio_2027
MODEL
ENSEMBLE
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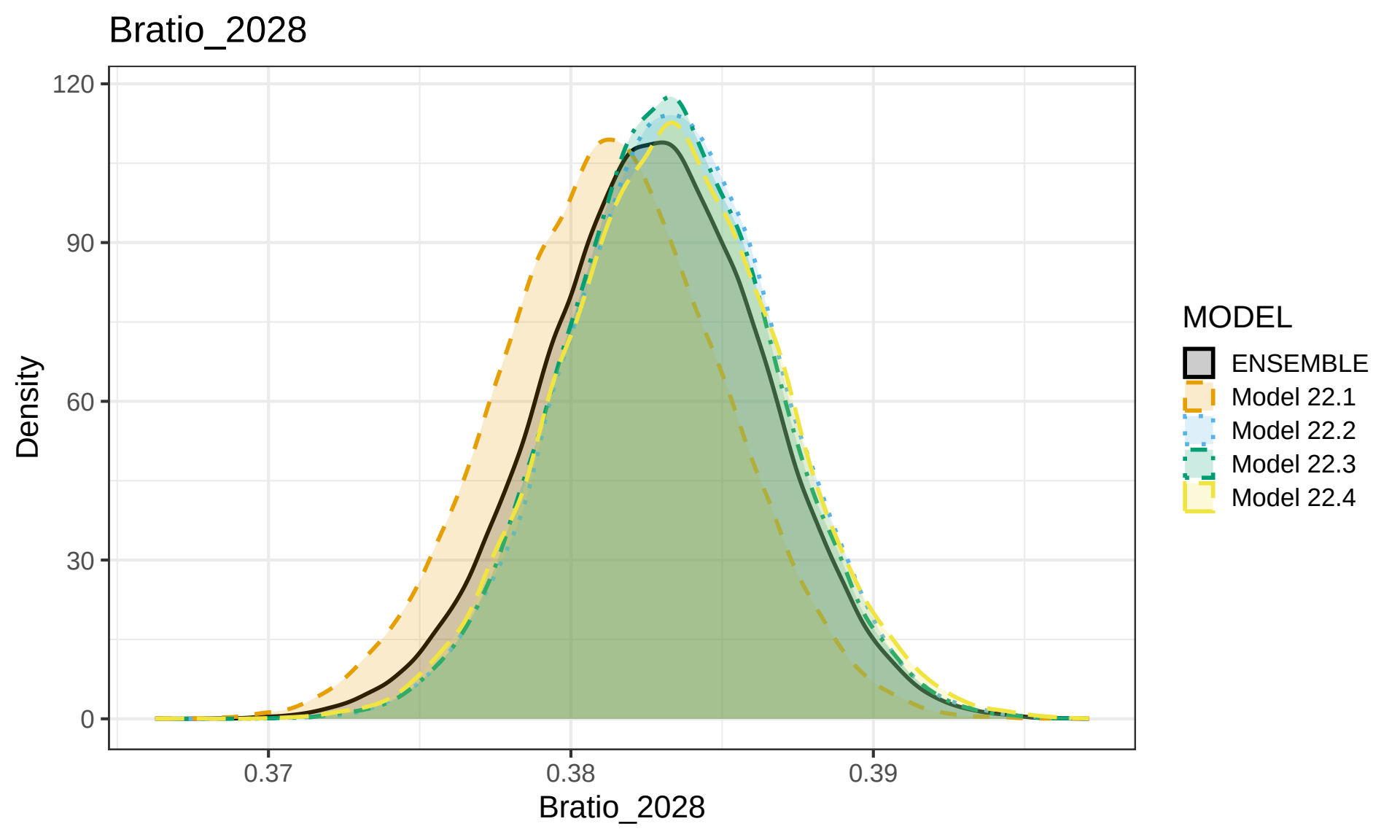
Model 22.3
Model 22.4


Bratio_2028
120
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60
30
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Density
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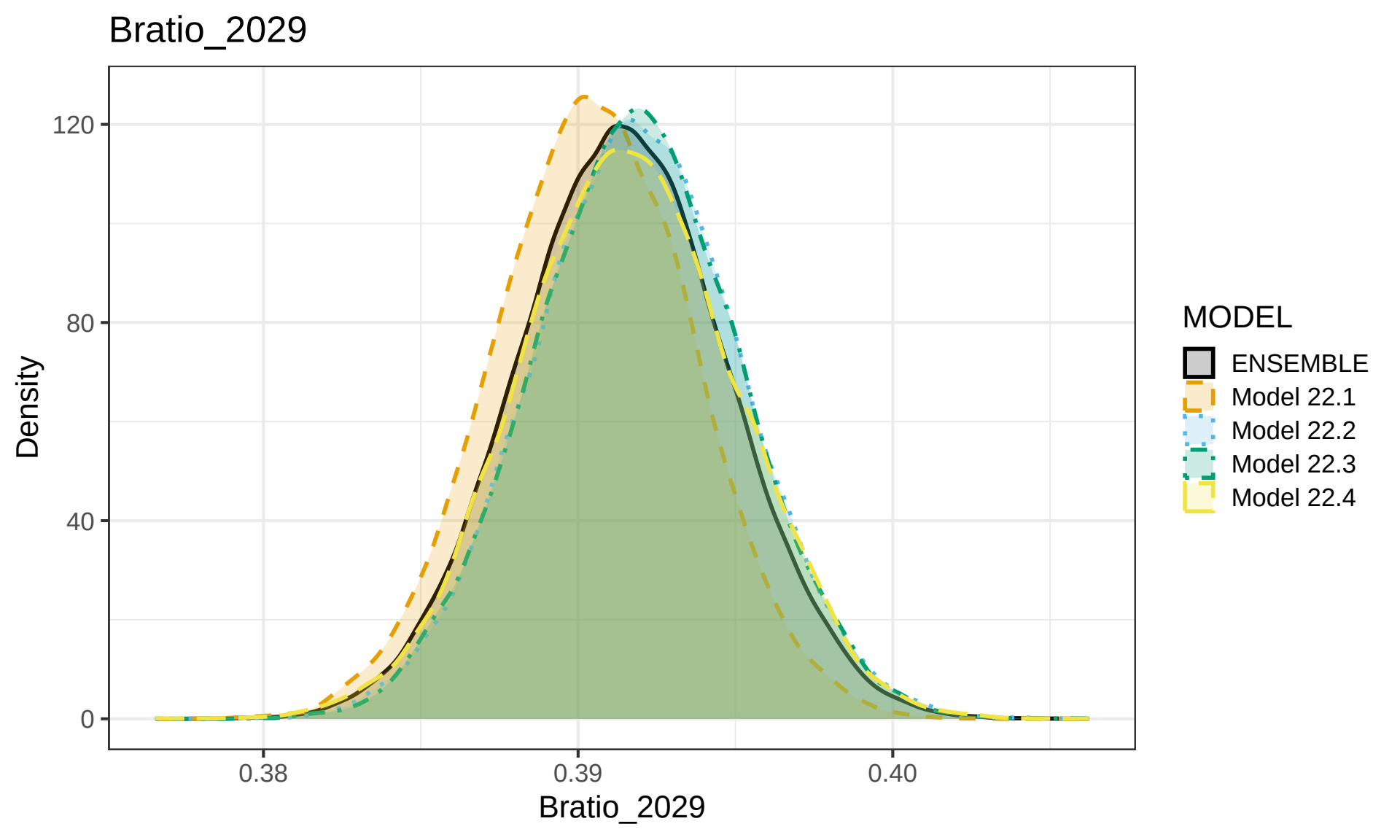
0.39
Bratio_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2029
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Density
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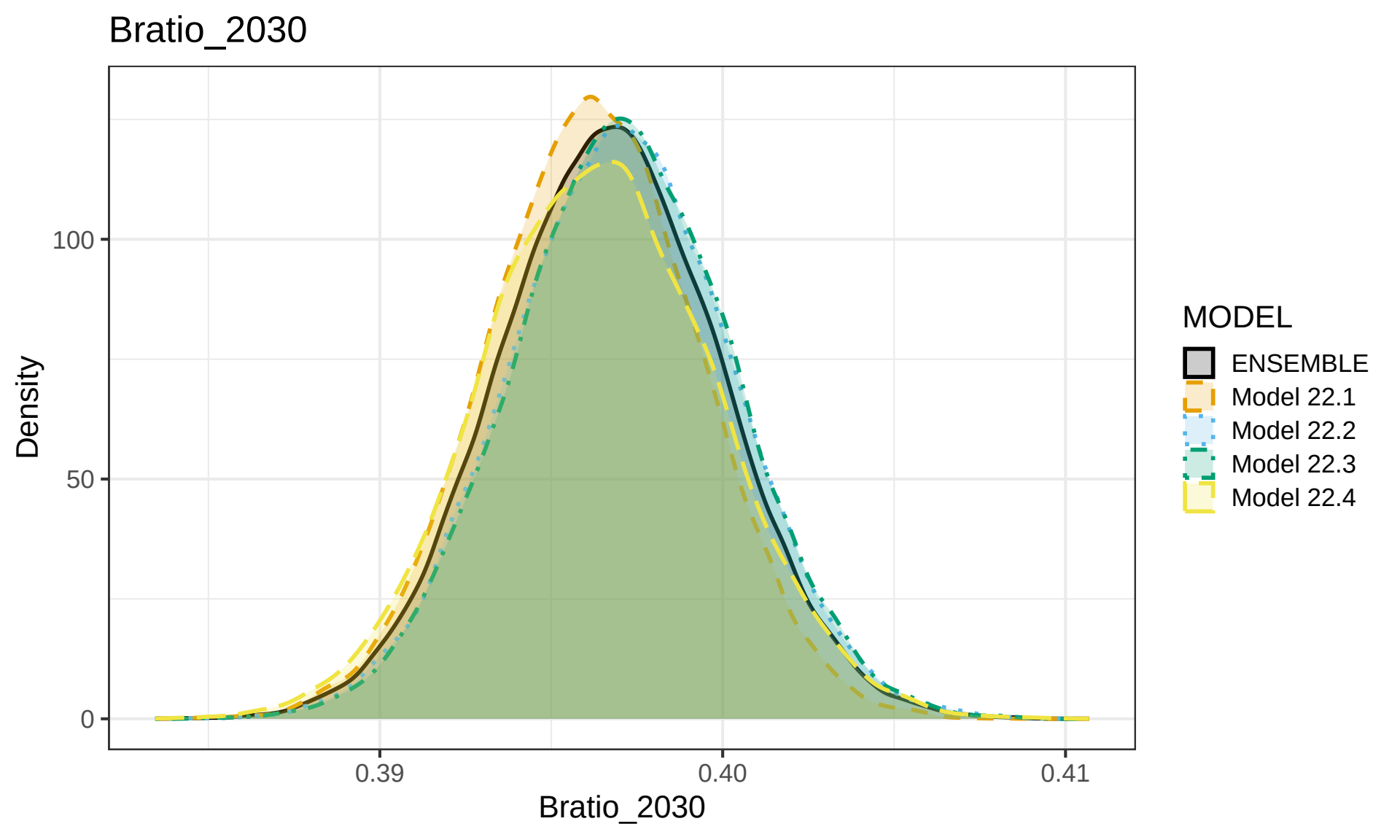
Bratio_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2030
Density
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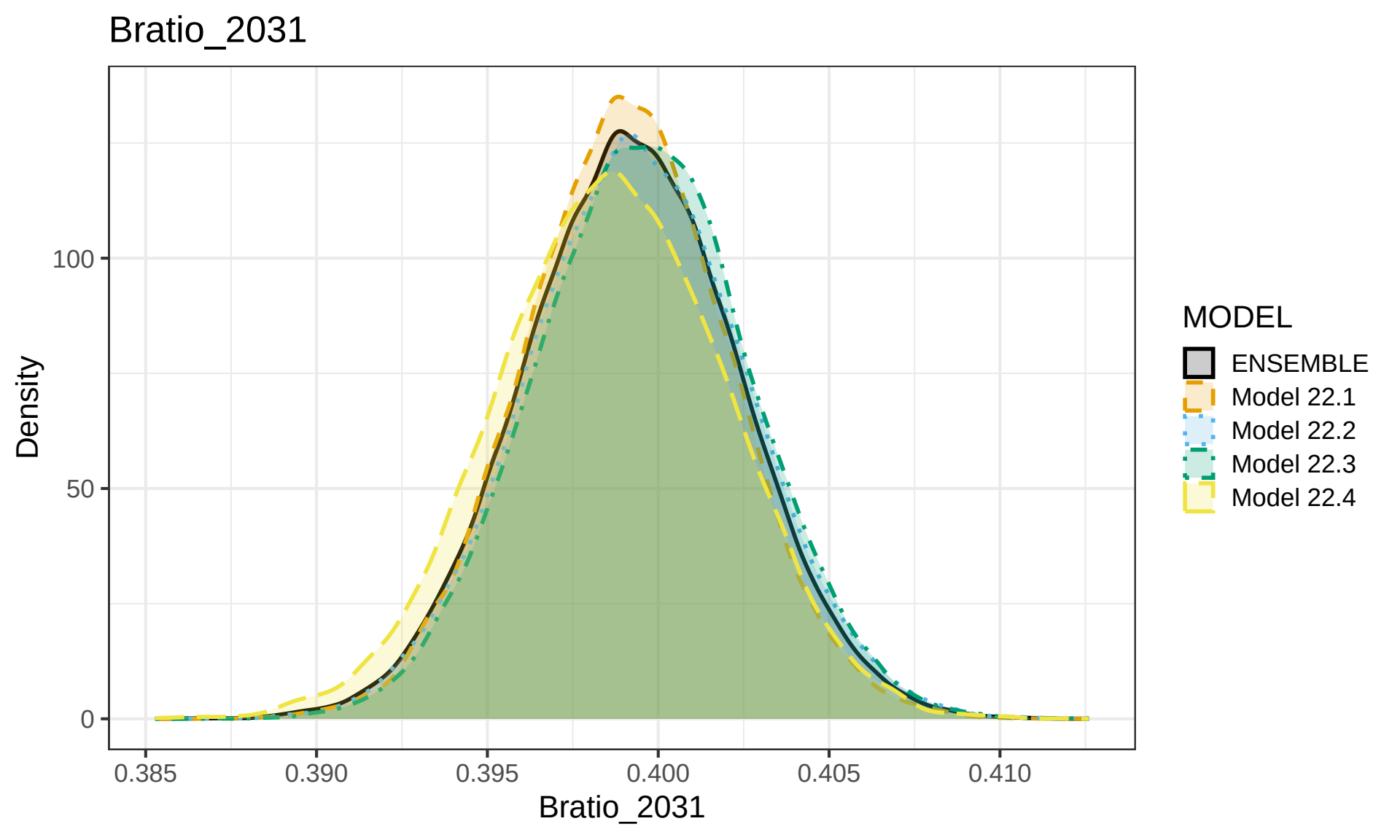
0.40
0.41
Bratio_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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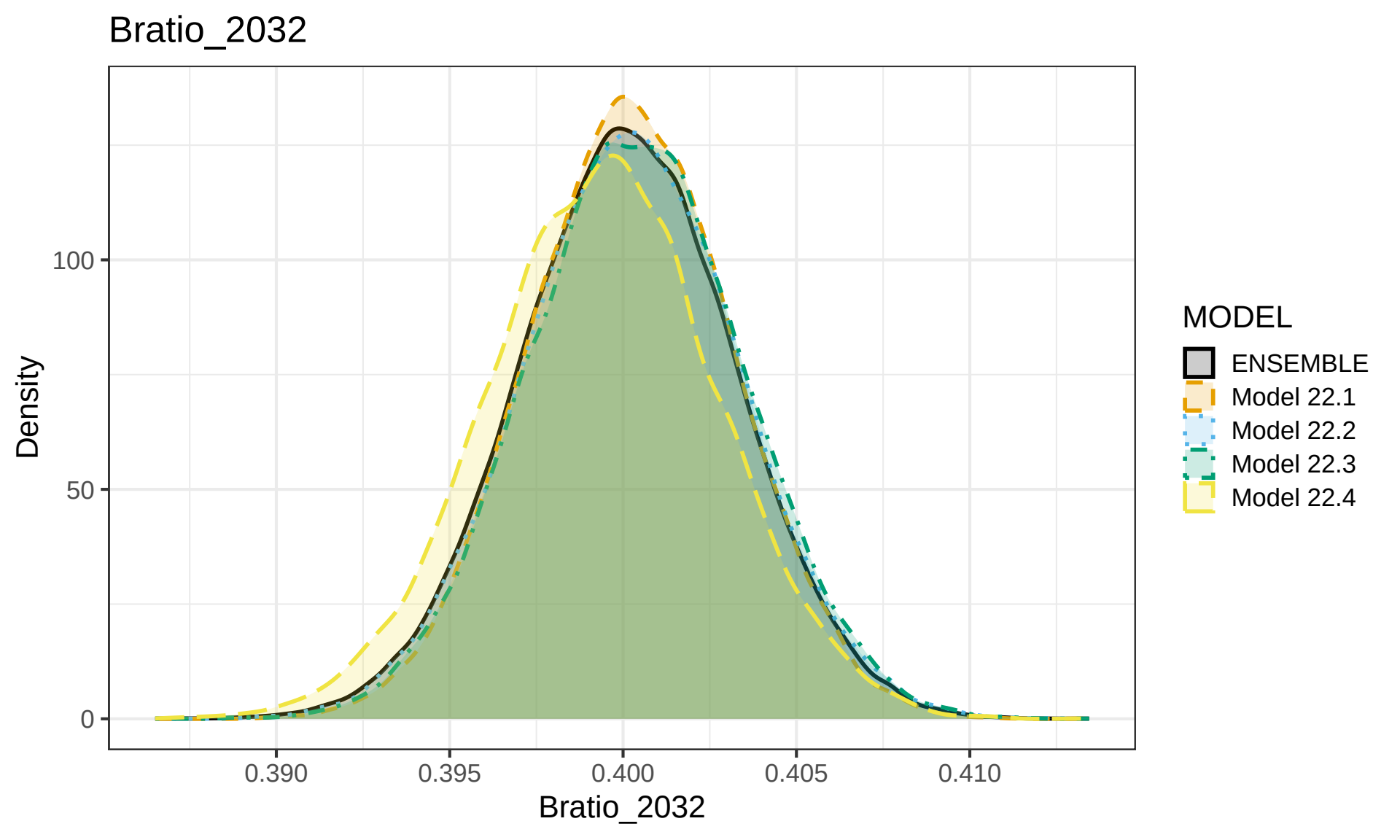
0.405
0.410
Bratio_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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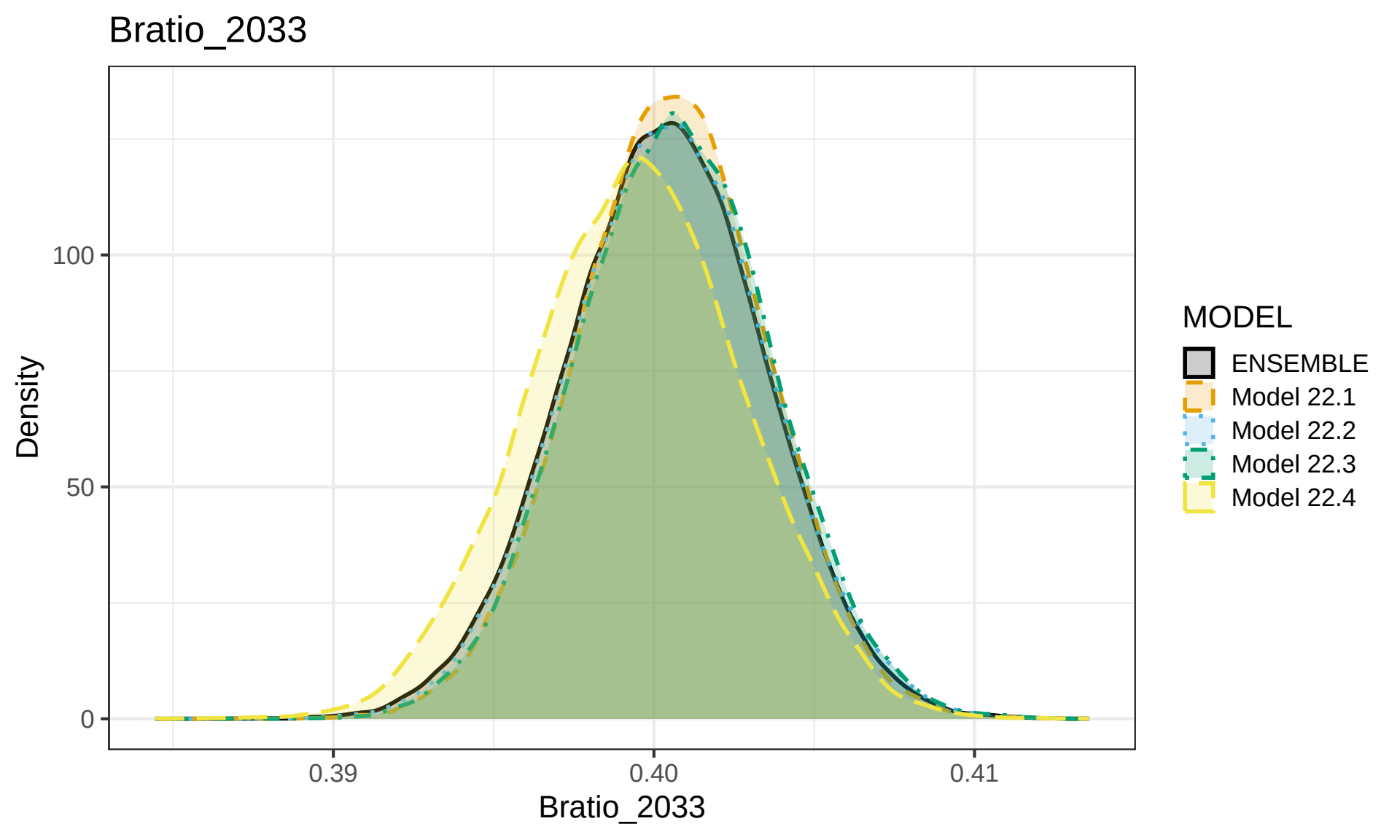
0.395
0.400
0.405
0.410
Bratio_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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0.40
0.41
Bratio_2033
MODEL
ENSEMBLE
Model 22.1
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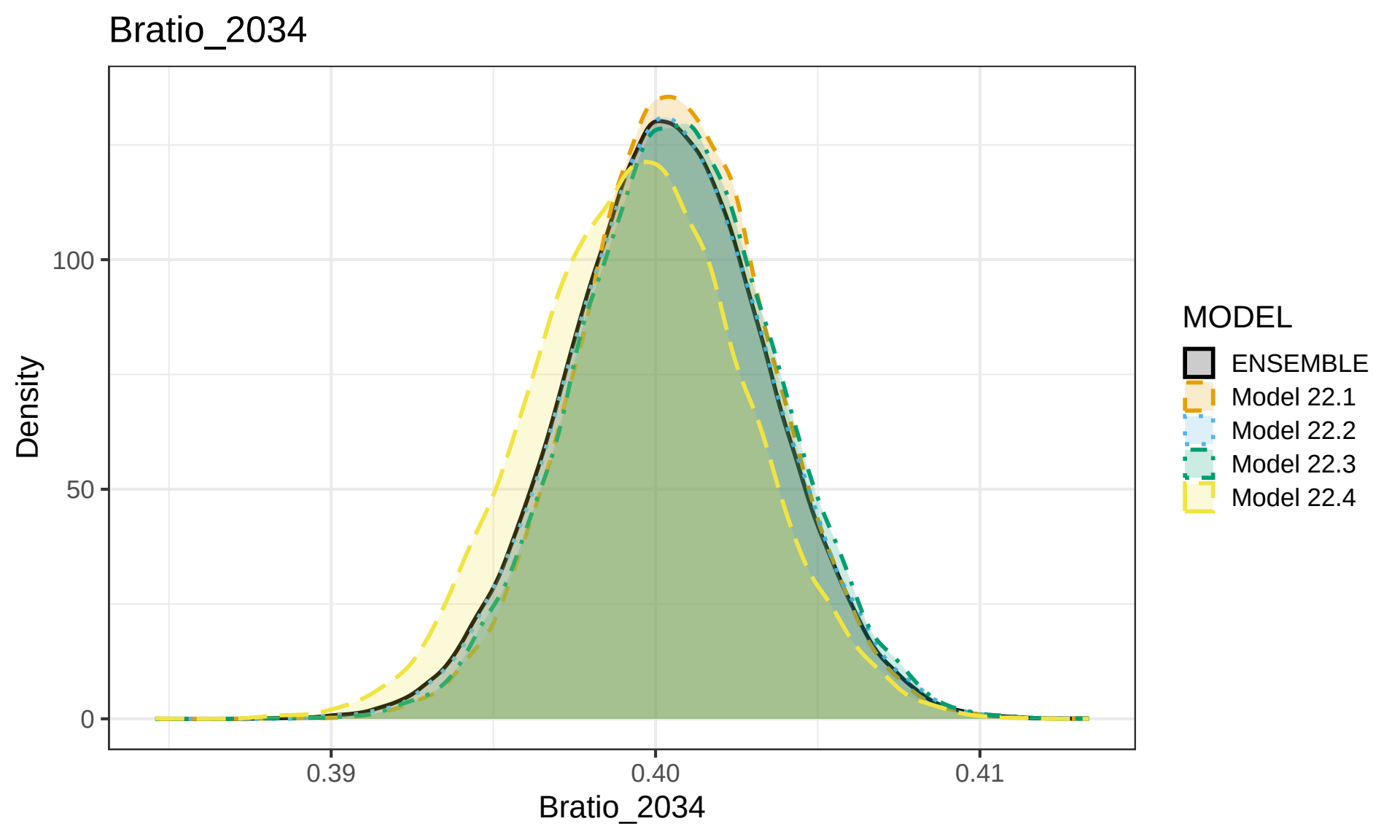
Model 22.3
Model 22.4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Density
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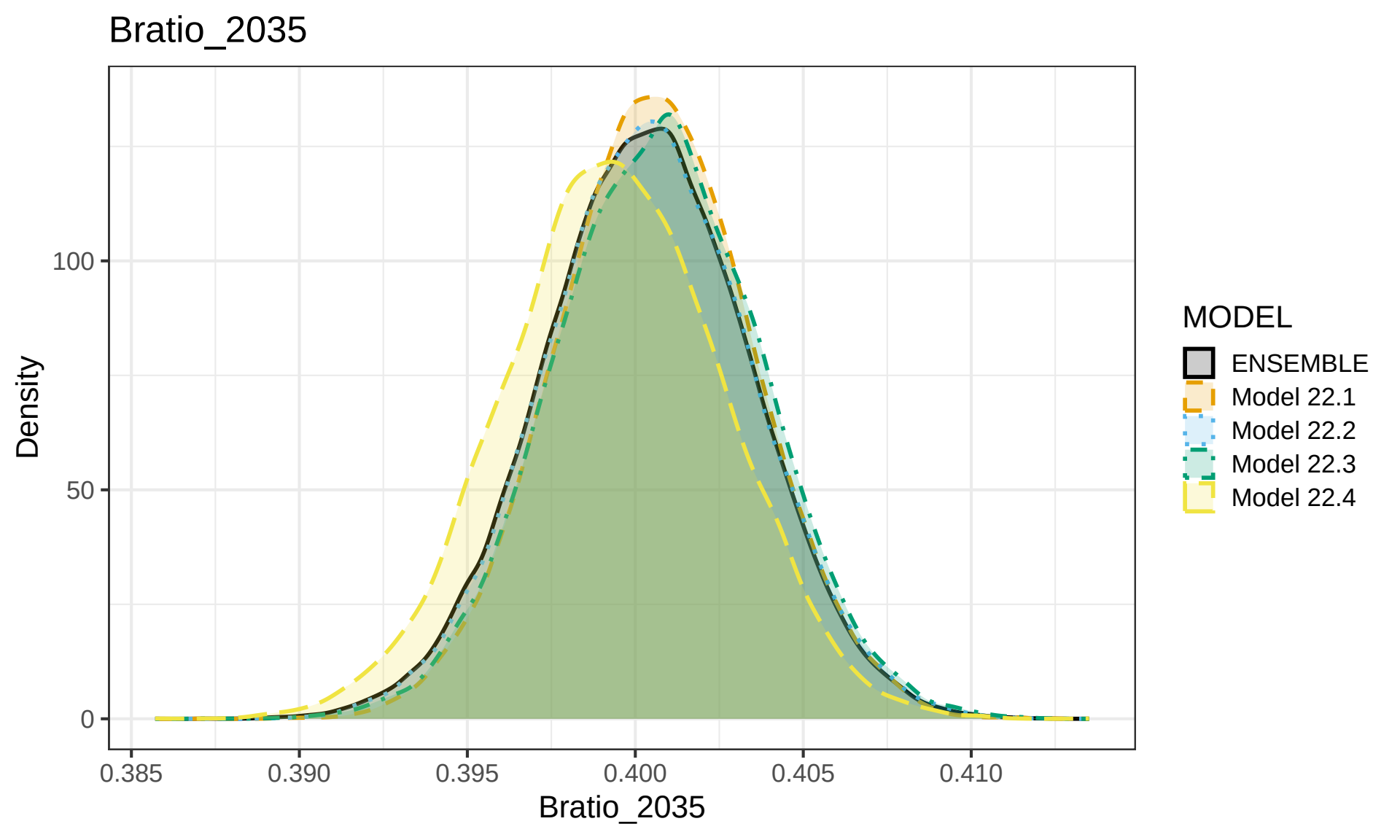
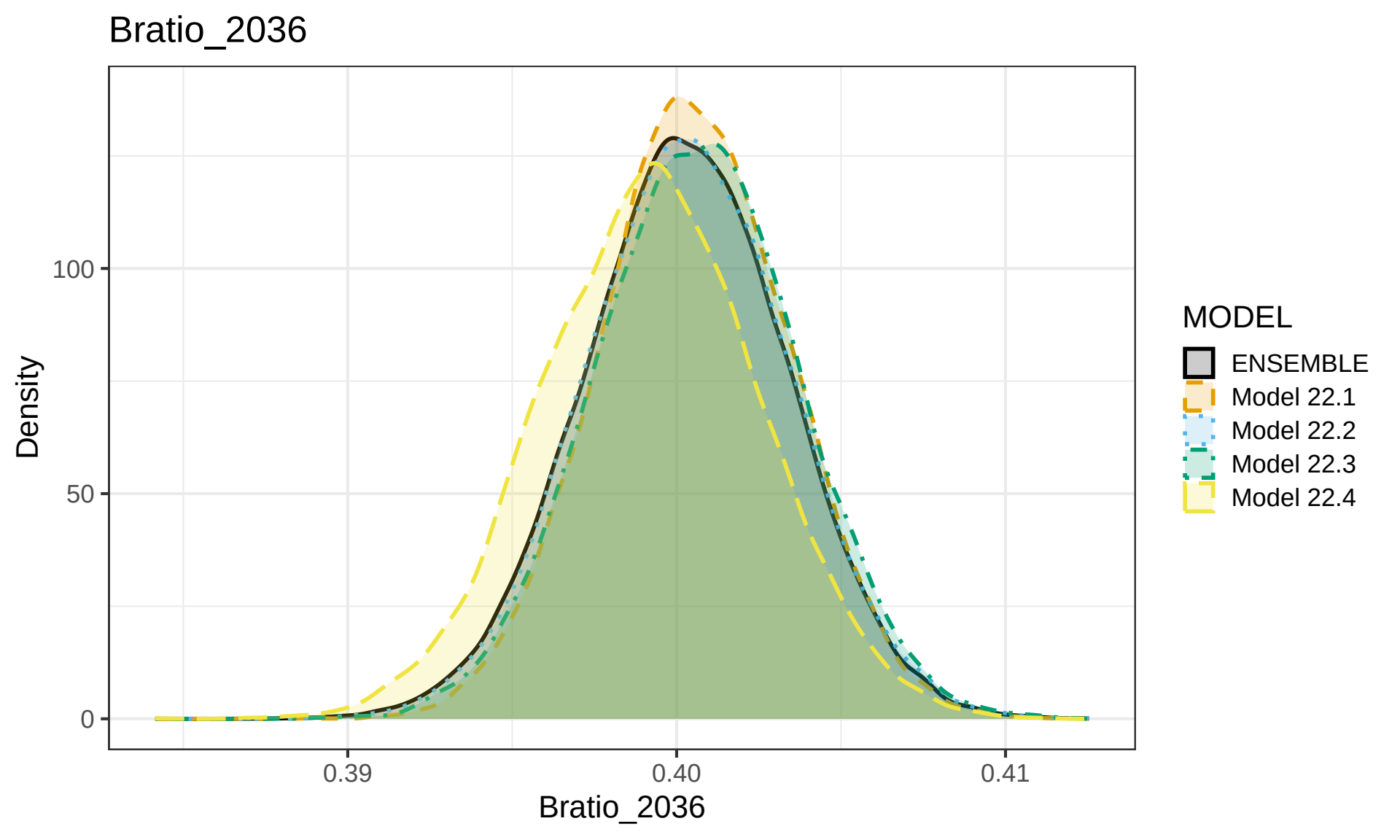
0.39
0.40
0.41
Bratio_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2035
Density
100
50
0
0.385
0.390
0.395
0.400
0.405
0.410
Bratio_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
100
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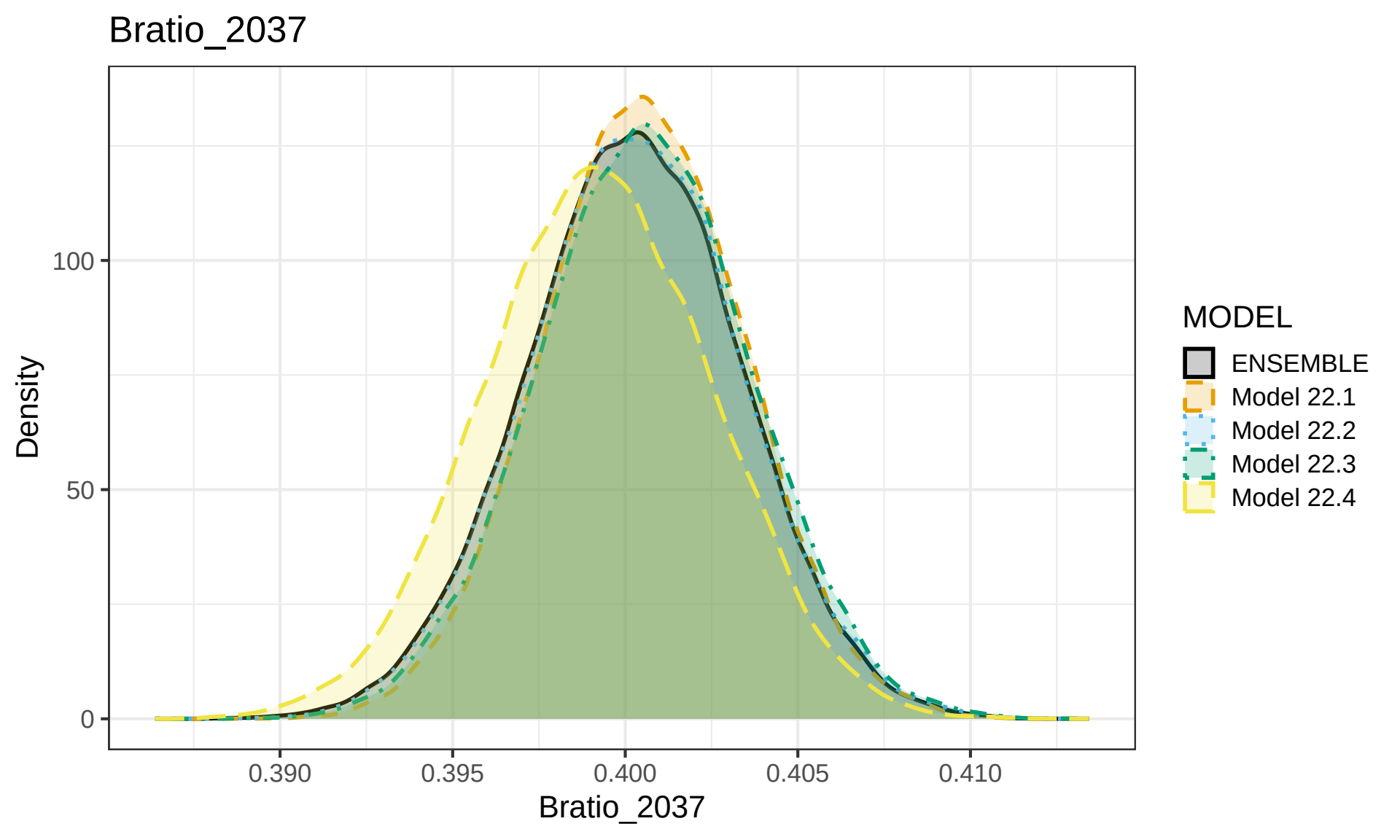
0.39
0.40
0.41
Bratio_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4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Density
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0.395
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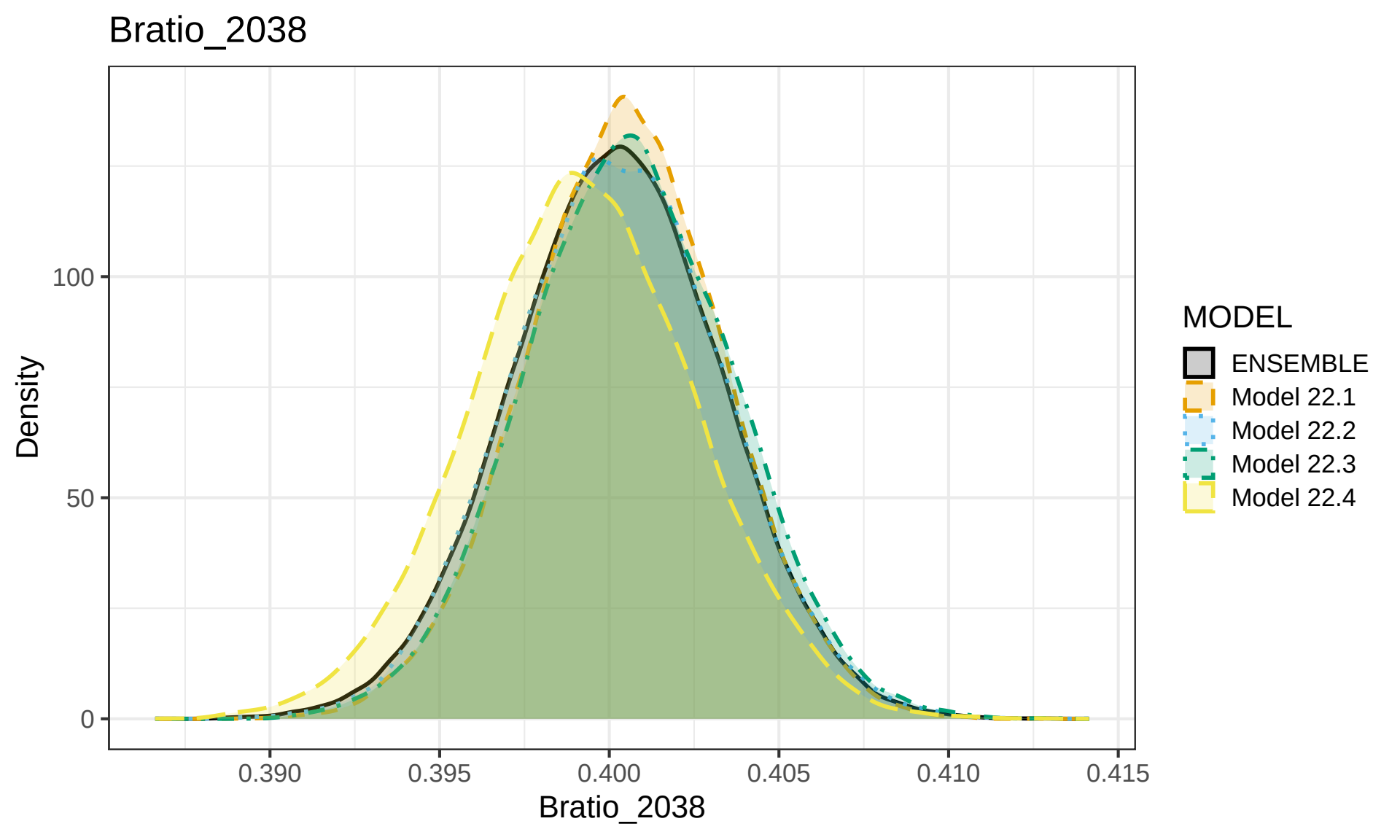
0.405
0.410
Bratio_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Bratio_2038
Density
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50
0
0.390
0.395
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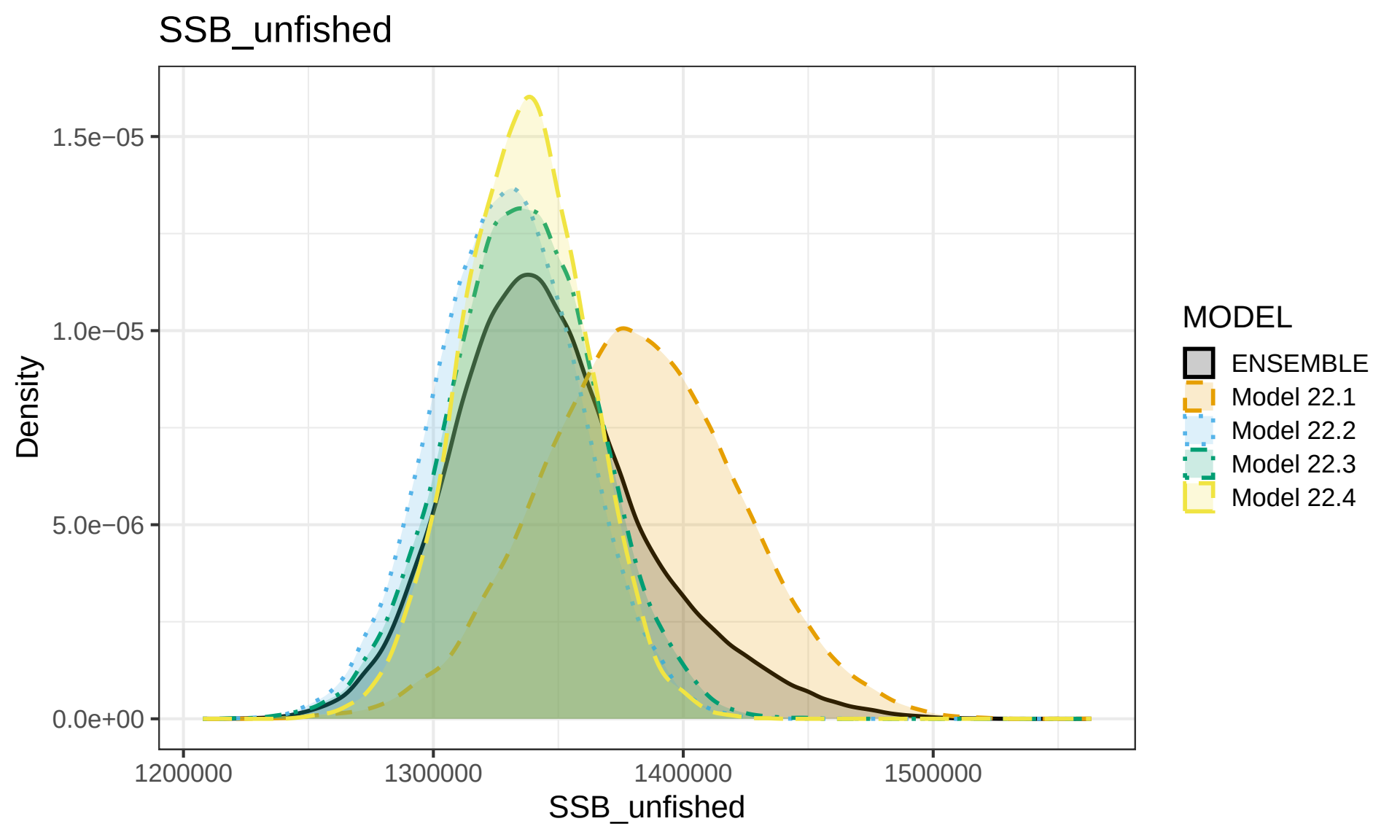
0.410
0.415
Bratio_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


SSB_unfished
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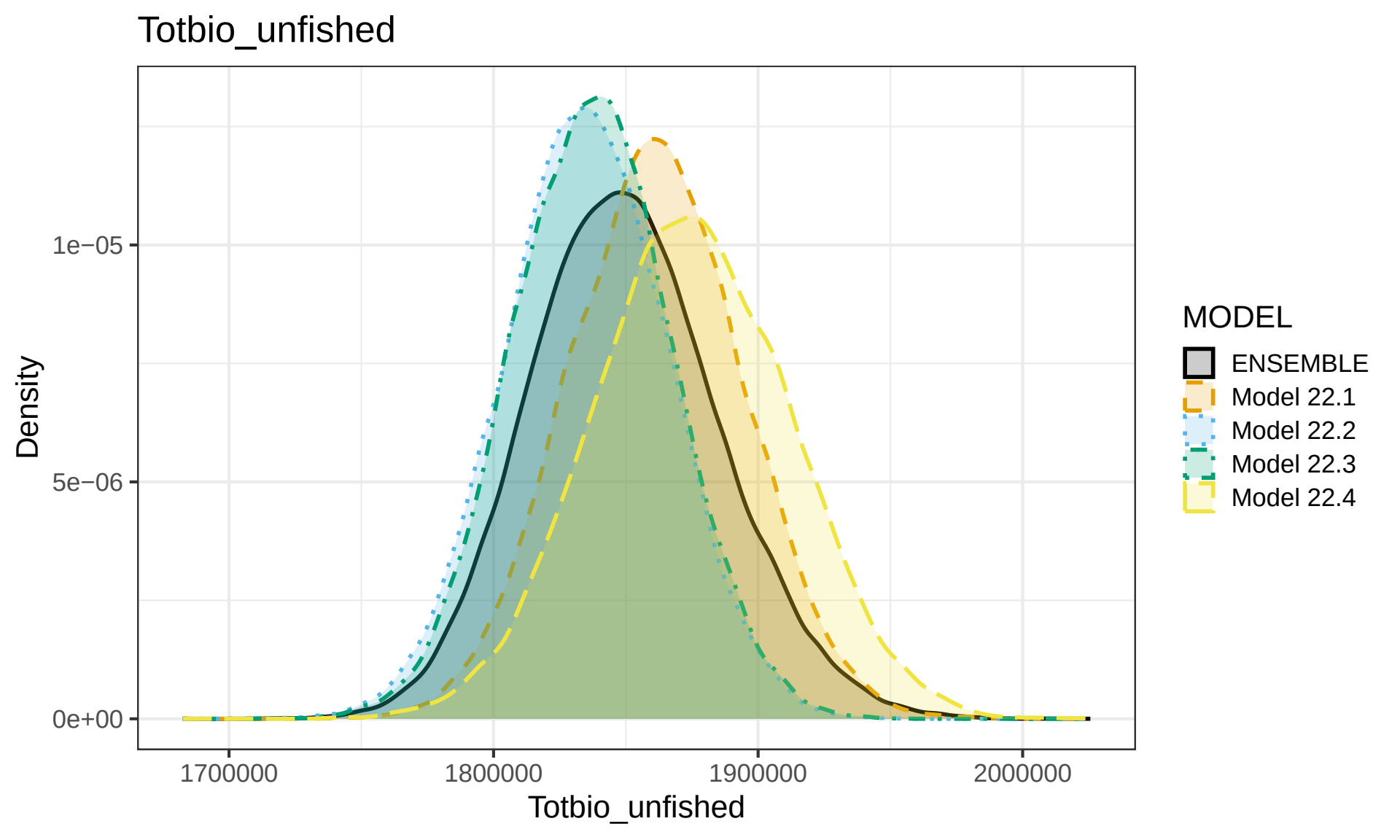
1.0e−05
5.0e−06
0.0e+00
Density
1200000
1300000
1400000
1500000
SSB_unfished
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Totbio_unfished
Density
1e−05
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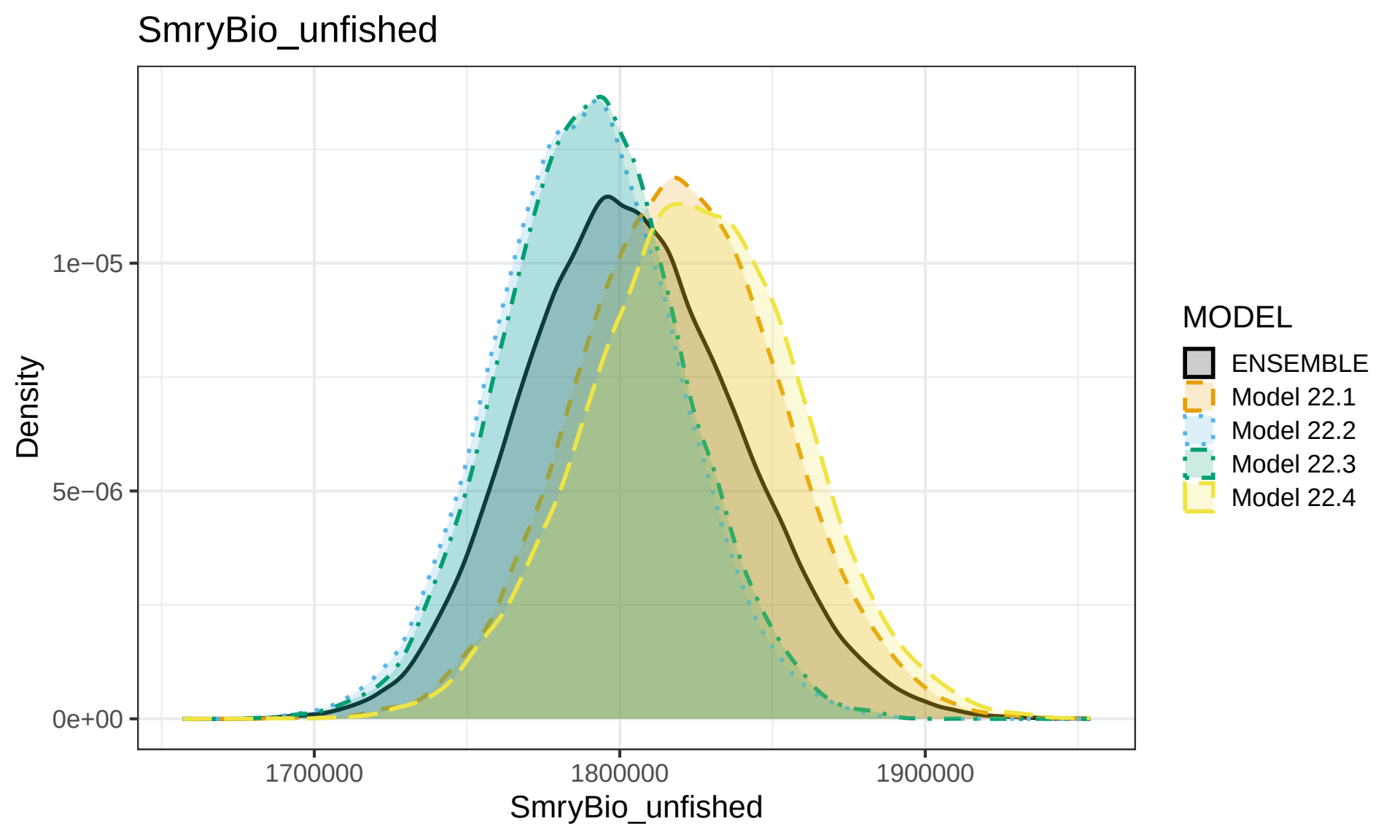
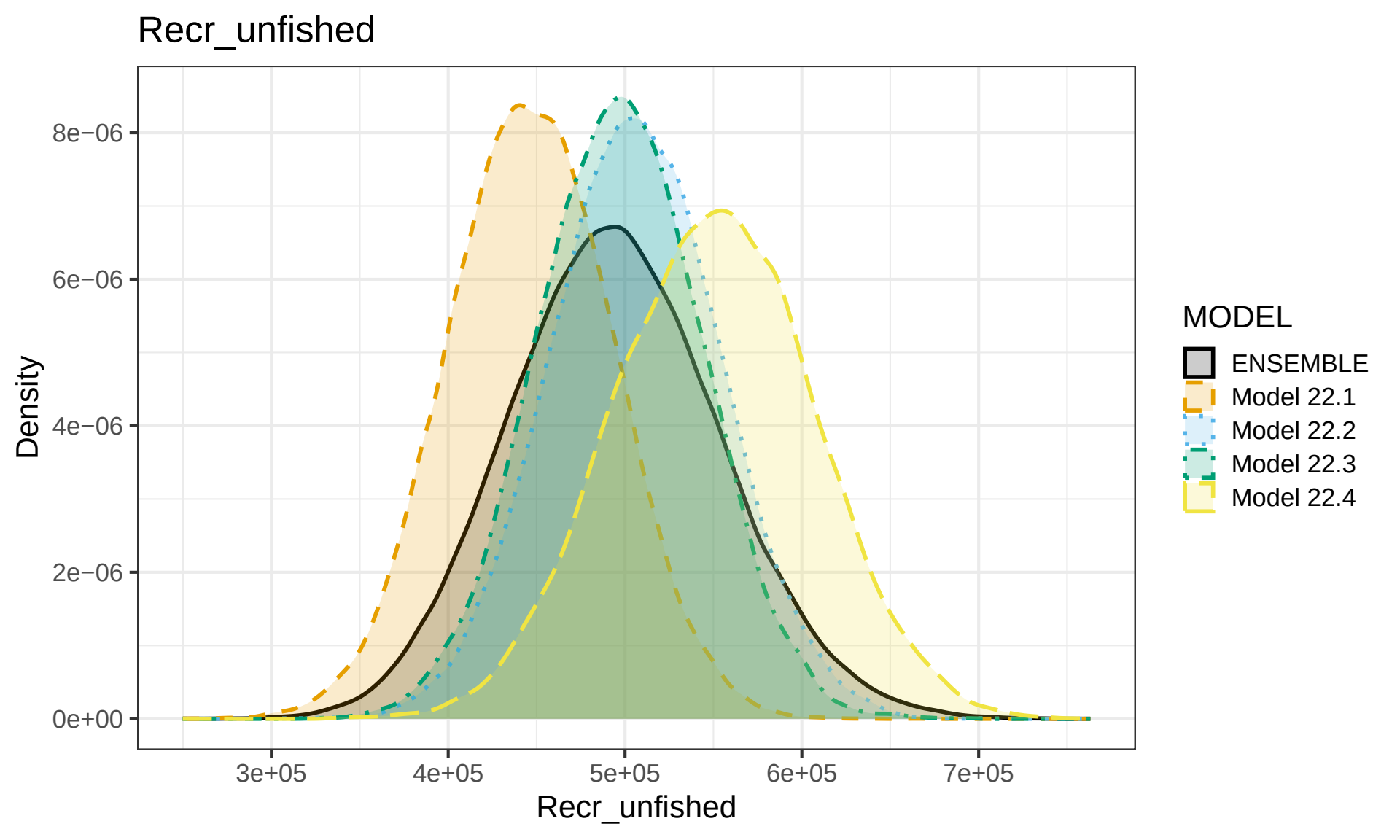
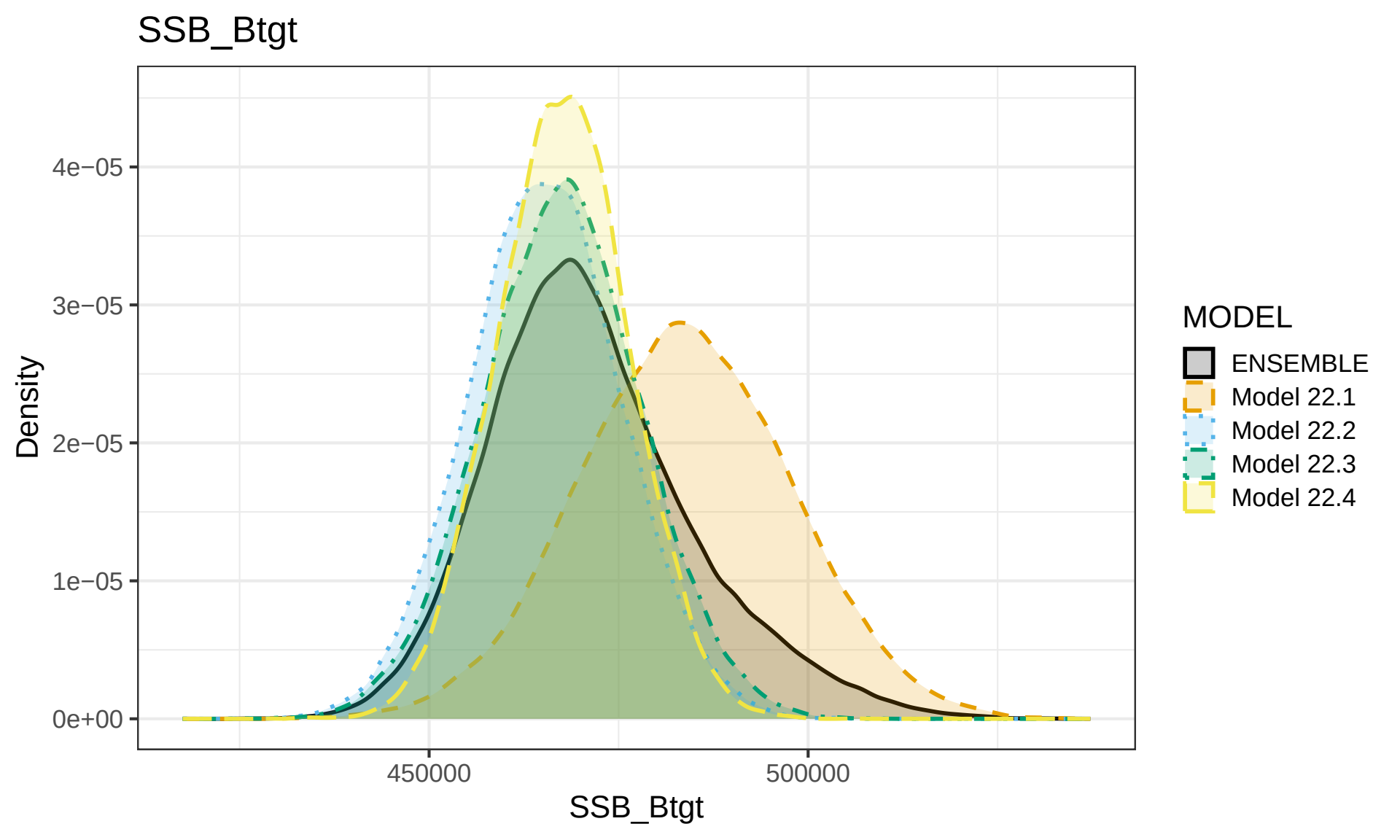
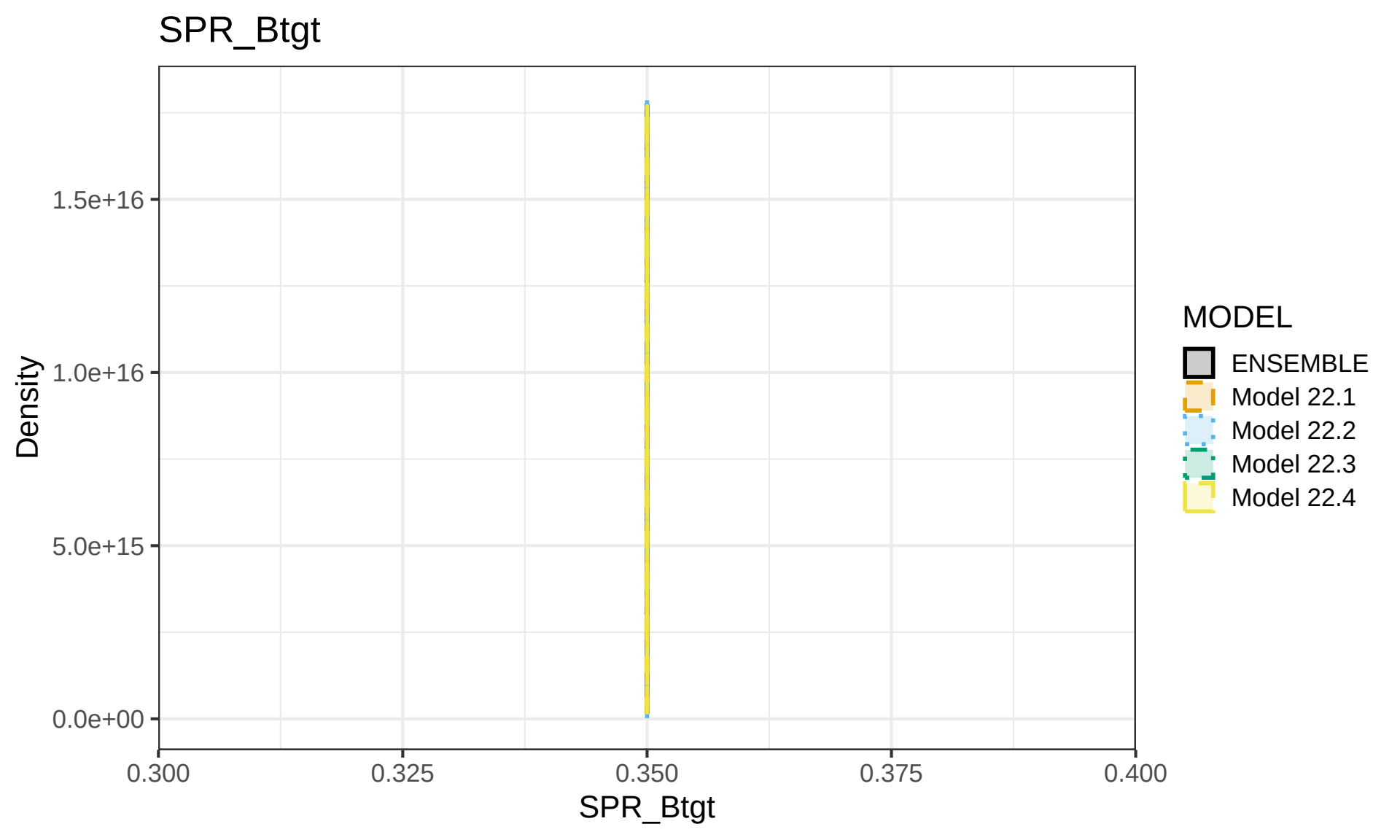
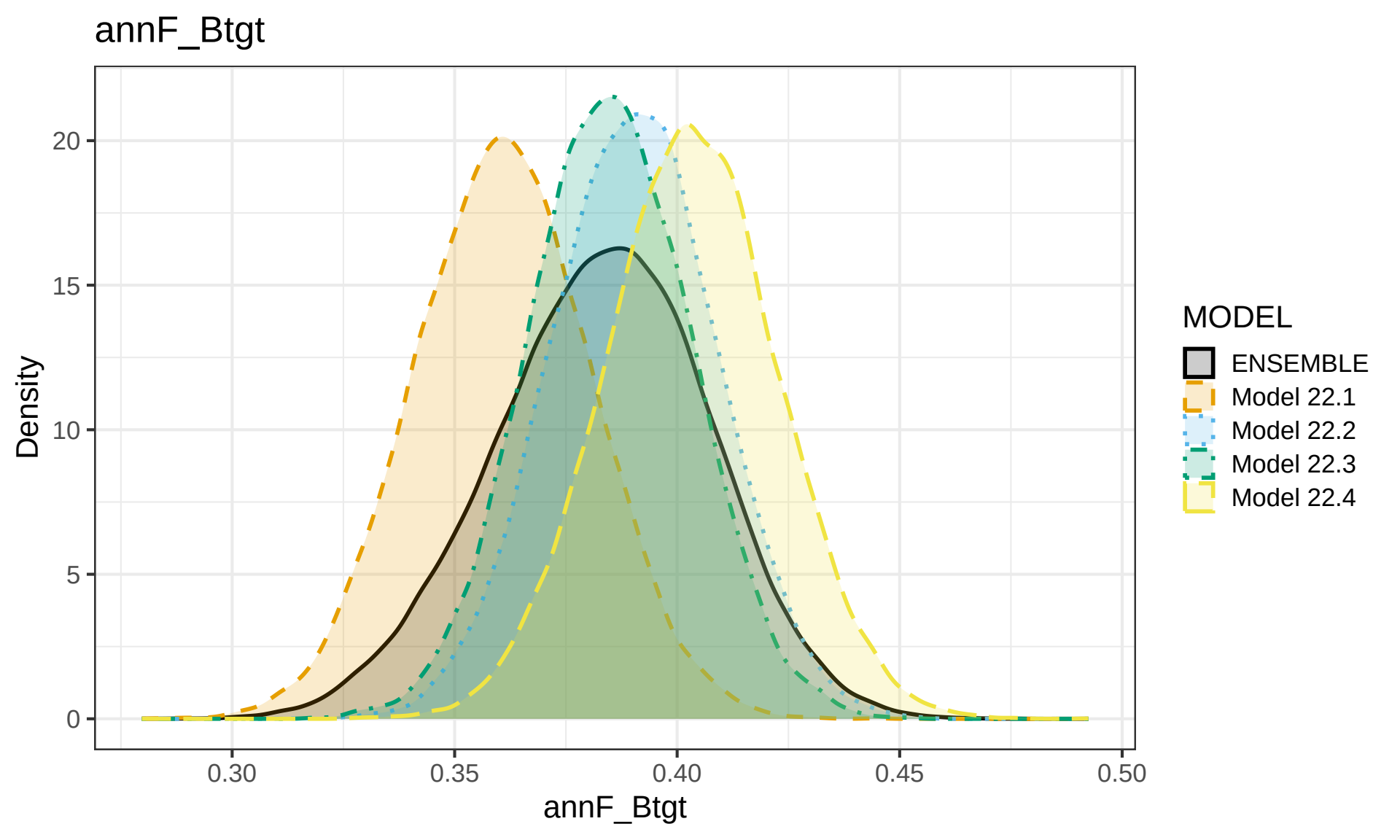
1900000
2000000
Totbio_unfished
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

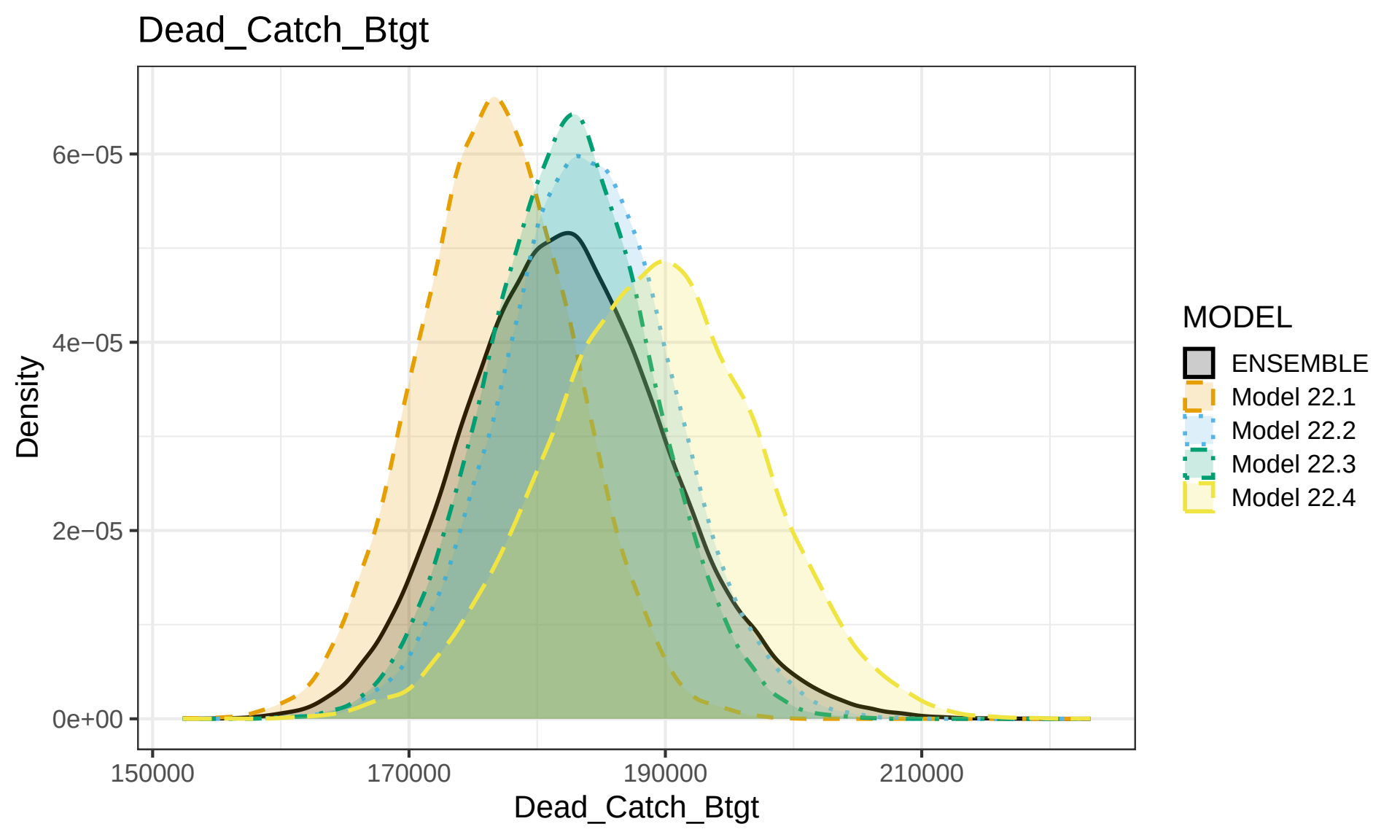

SmryBio_unfished
Density
1e−05
5e−06
0e+00
1700000
1800000
1900000
SmryBio_unfished
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

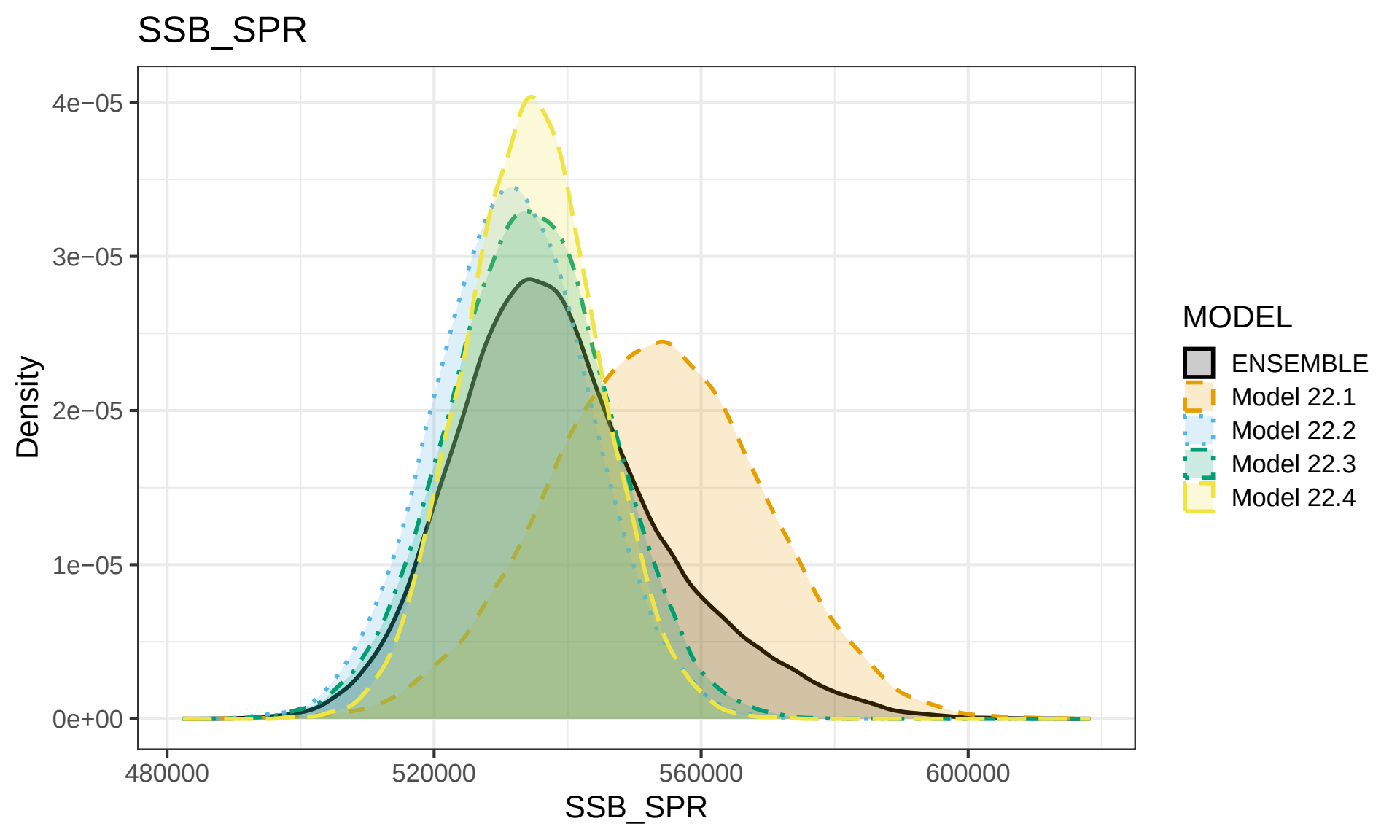

Recr_unfished
Density
8e−06
6e−06
4e−06
2e−06
0e+00
3e+05
4e+05
5e+05
6e+05
7e+05
Recr_unfished
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

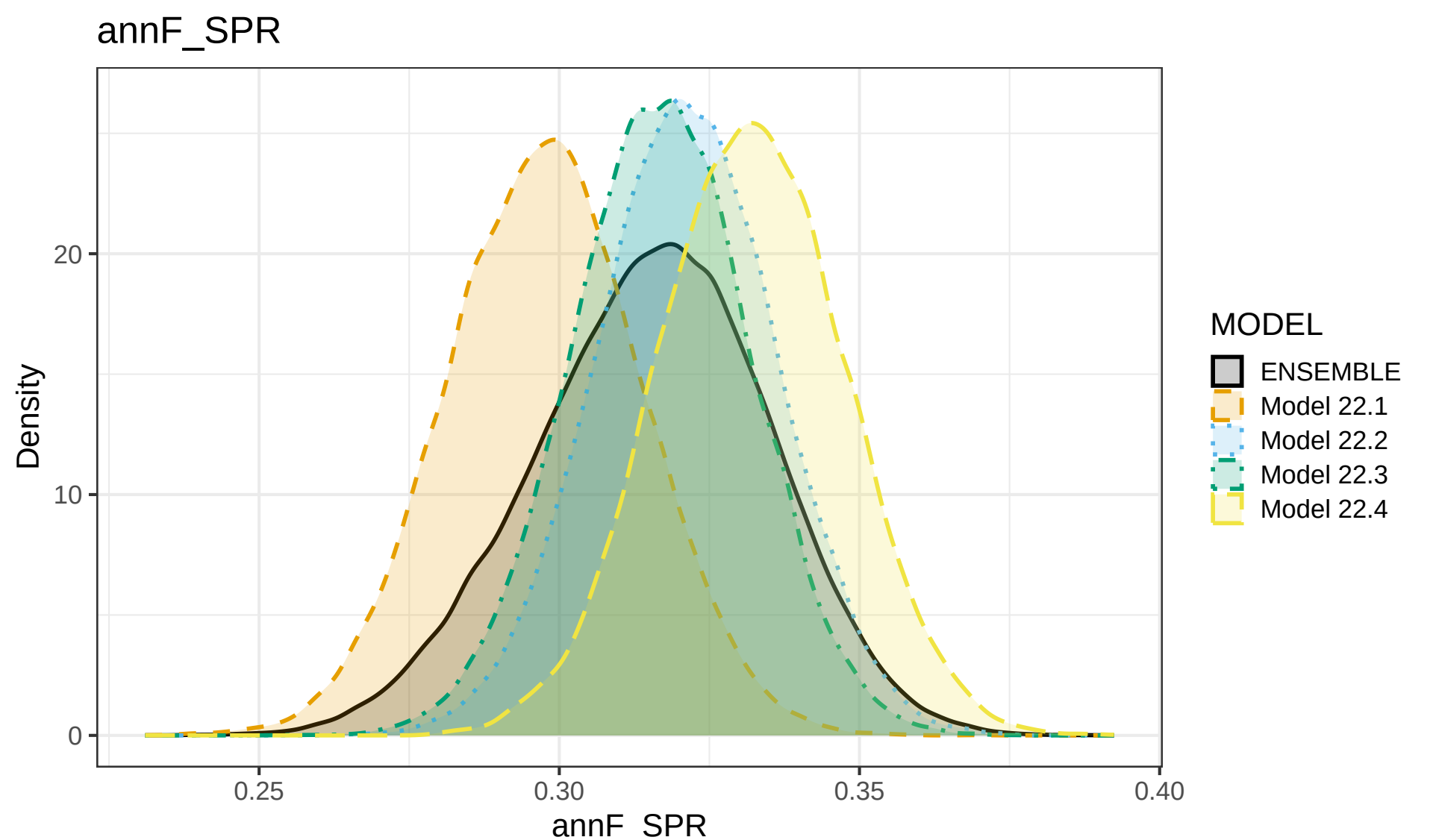

SSB_Btgt
4e−05
3e−05
2e−05
1e−05
0e+00
Density
450000
500000
SSB_Btgt
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

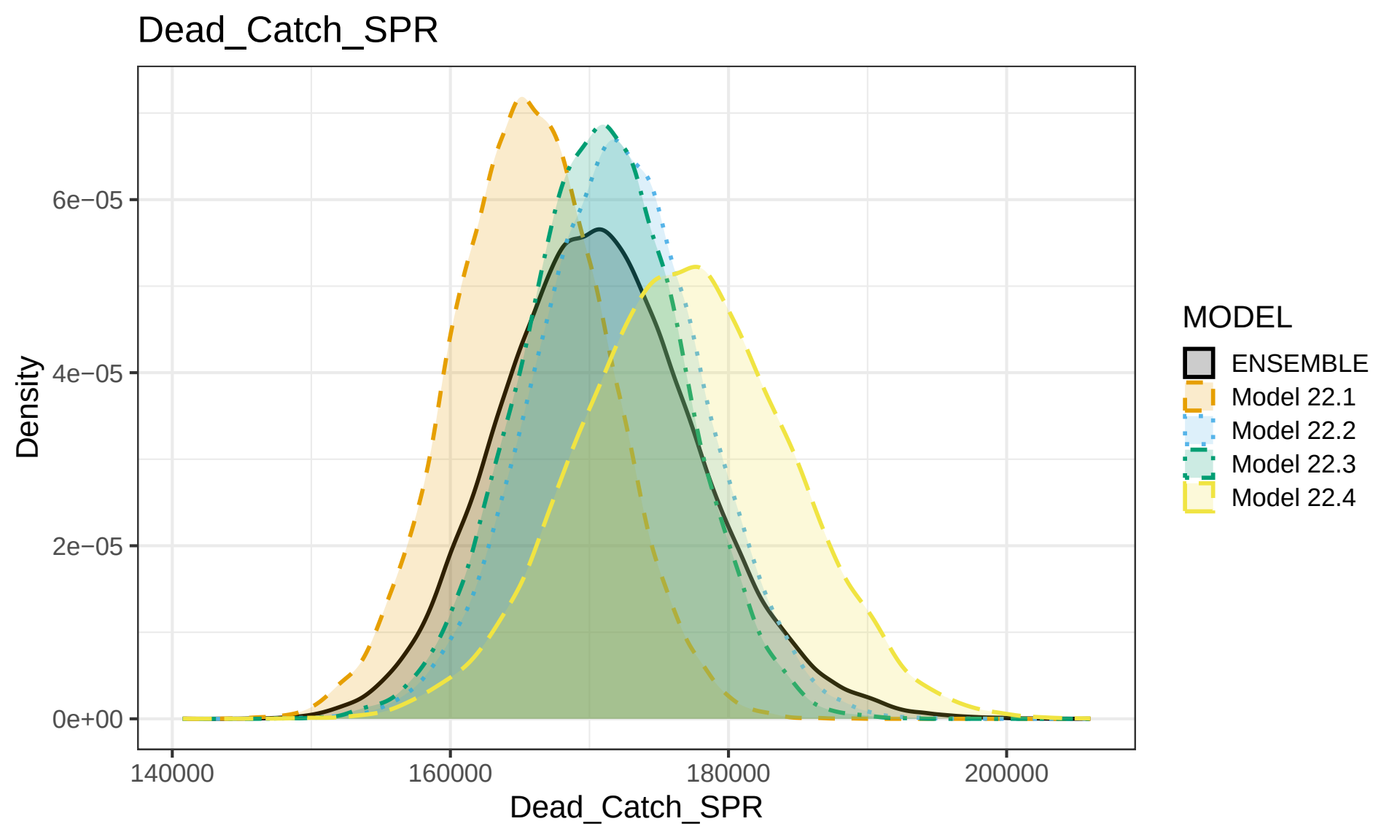

SPR_Btgt
1.5e+16
1.0e+16
5.0e+15
0.0e+00
Density
0.300
0.325
0.350
0.375
0.400
SPR_Btgt
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

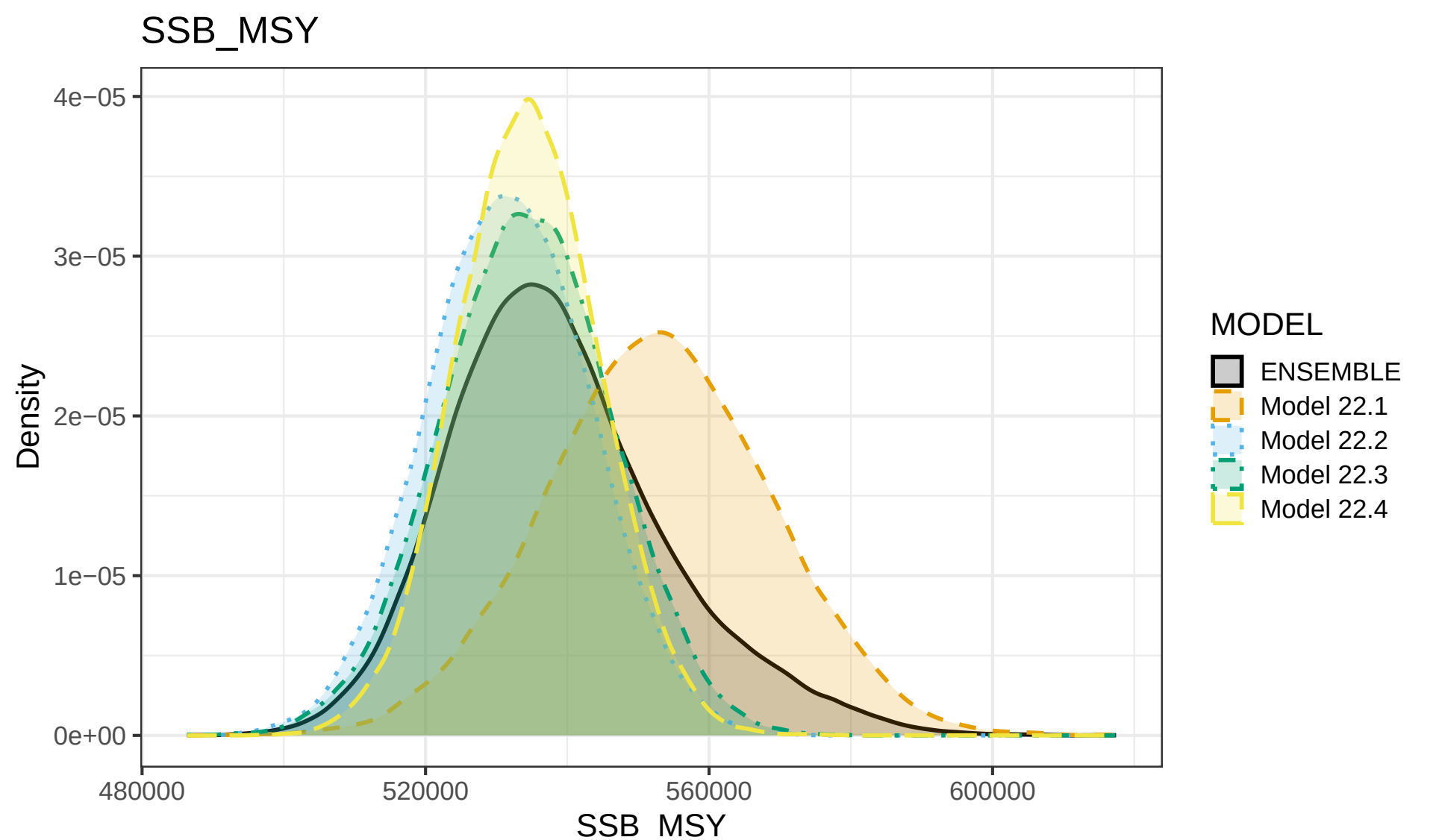

annF_Btgt
Density
20
15
10
5
0
0.30
0.35
0.40
0.45
0.50
annF_Btgt
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

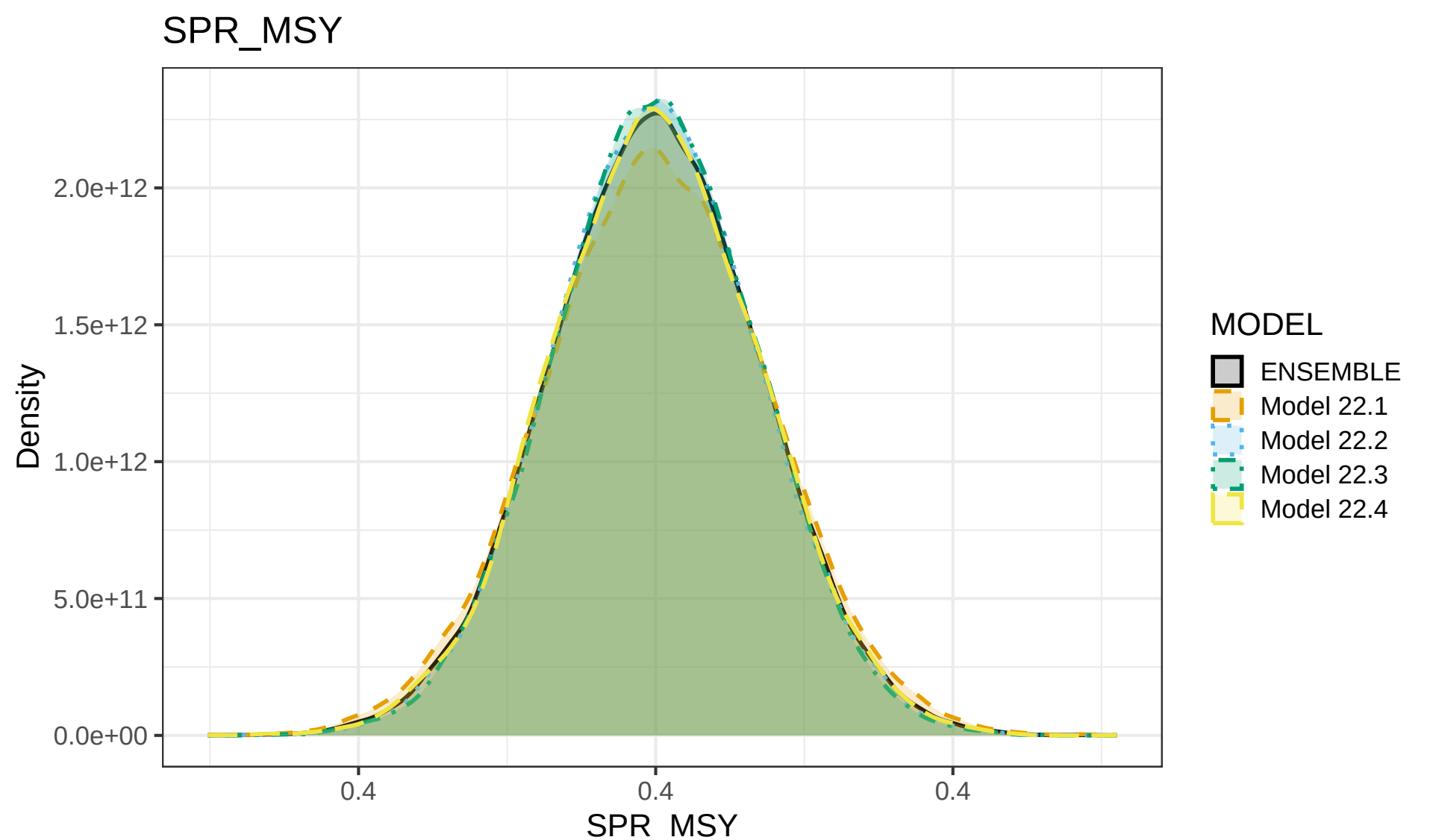

Dead_Catch_Btgt
6e−05
4e−05
2e−05
0e+00
Density
150000
170000
190000
210000
Dead_Catch_Btgt
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

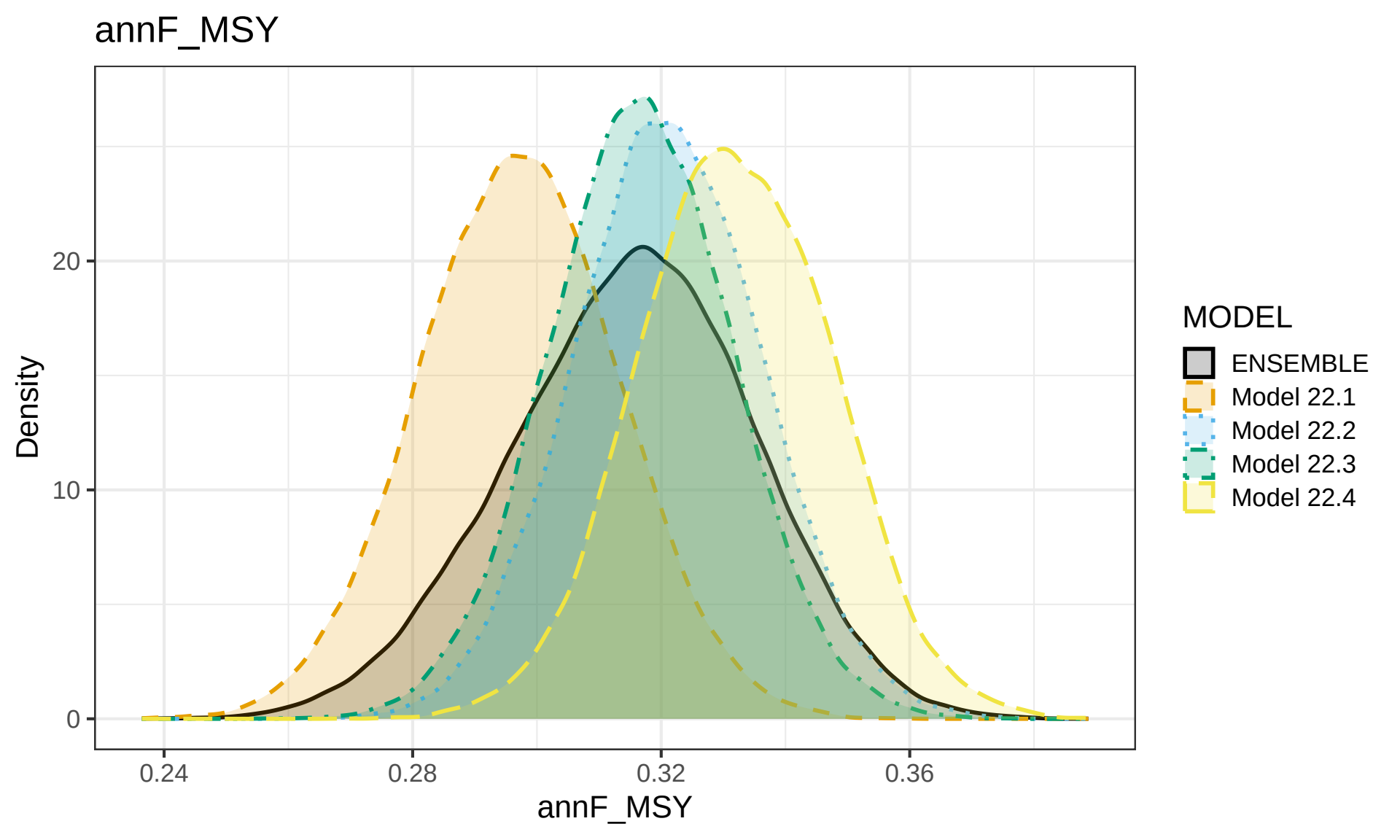

SSB_SPR
4e−05
3e−05
2e−05
1e−05
0e+00
Density
480000
520000
560000
600000
SSB_SPR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

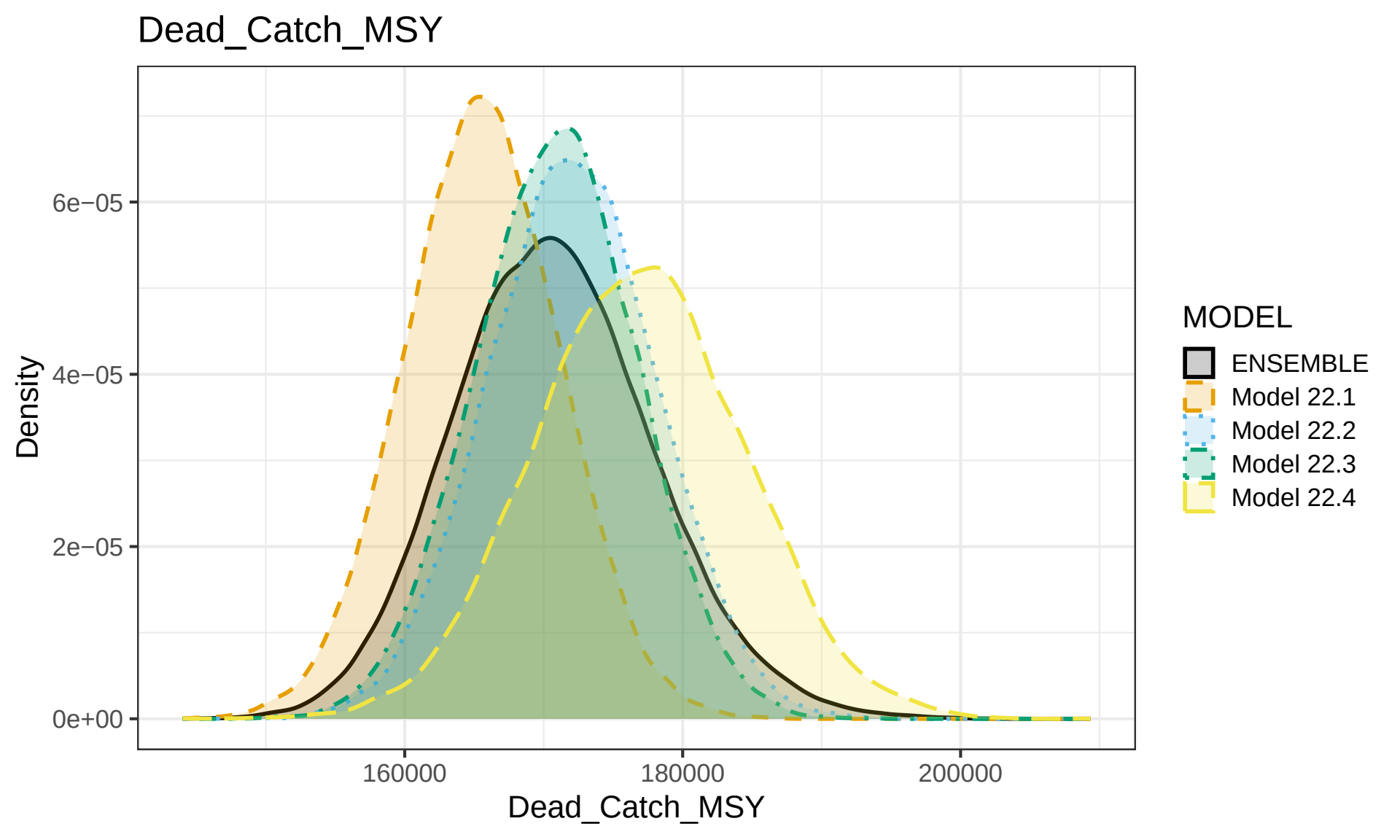

annF_SPR
Density
20
10
0
0.25
0.30
0.35
0.40
annF_SPR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

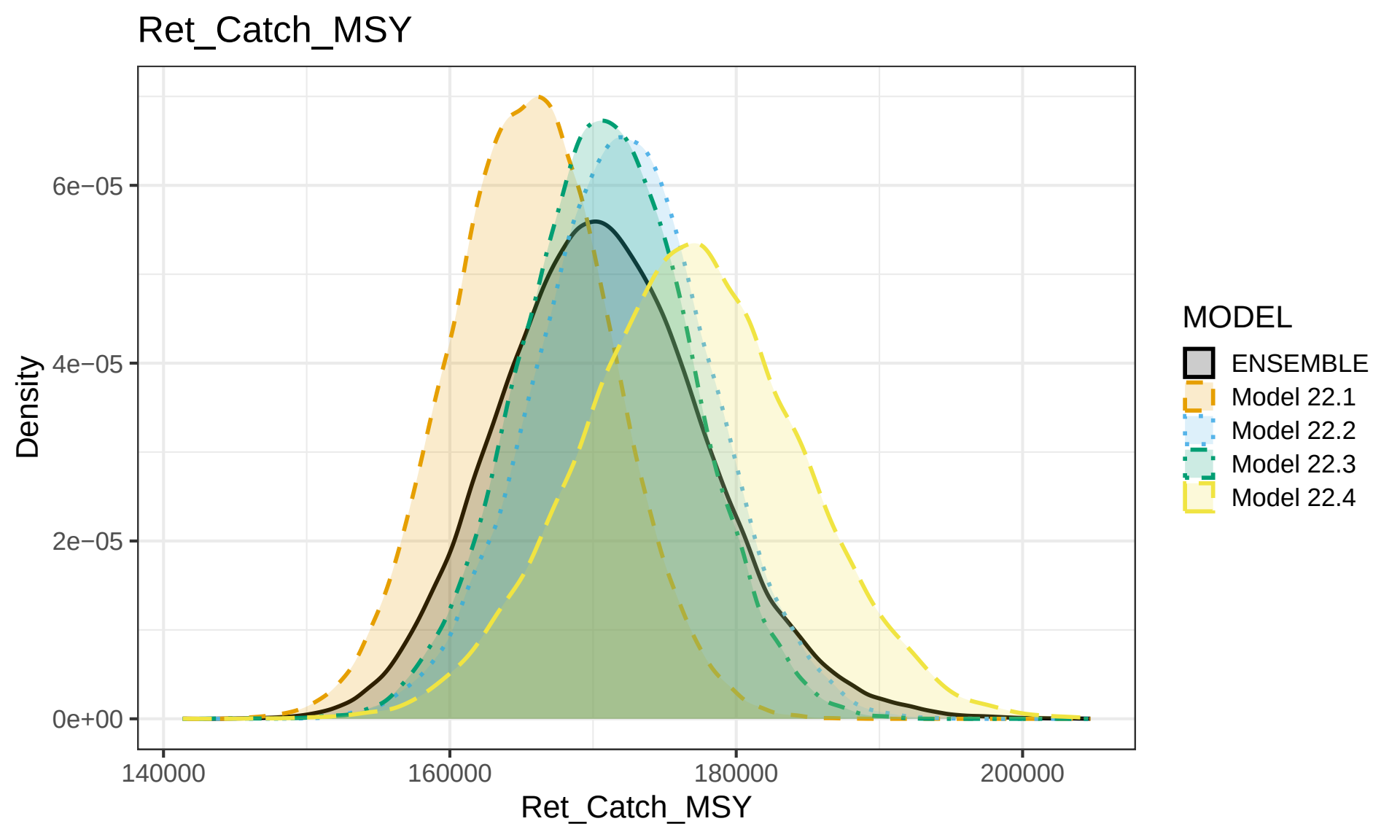

Dead_Catch_SPR
Density
6e−05
4e−05
2e−05
0e+00
140000
160000
180000
200000
Dead_Catch_SPR
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

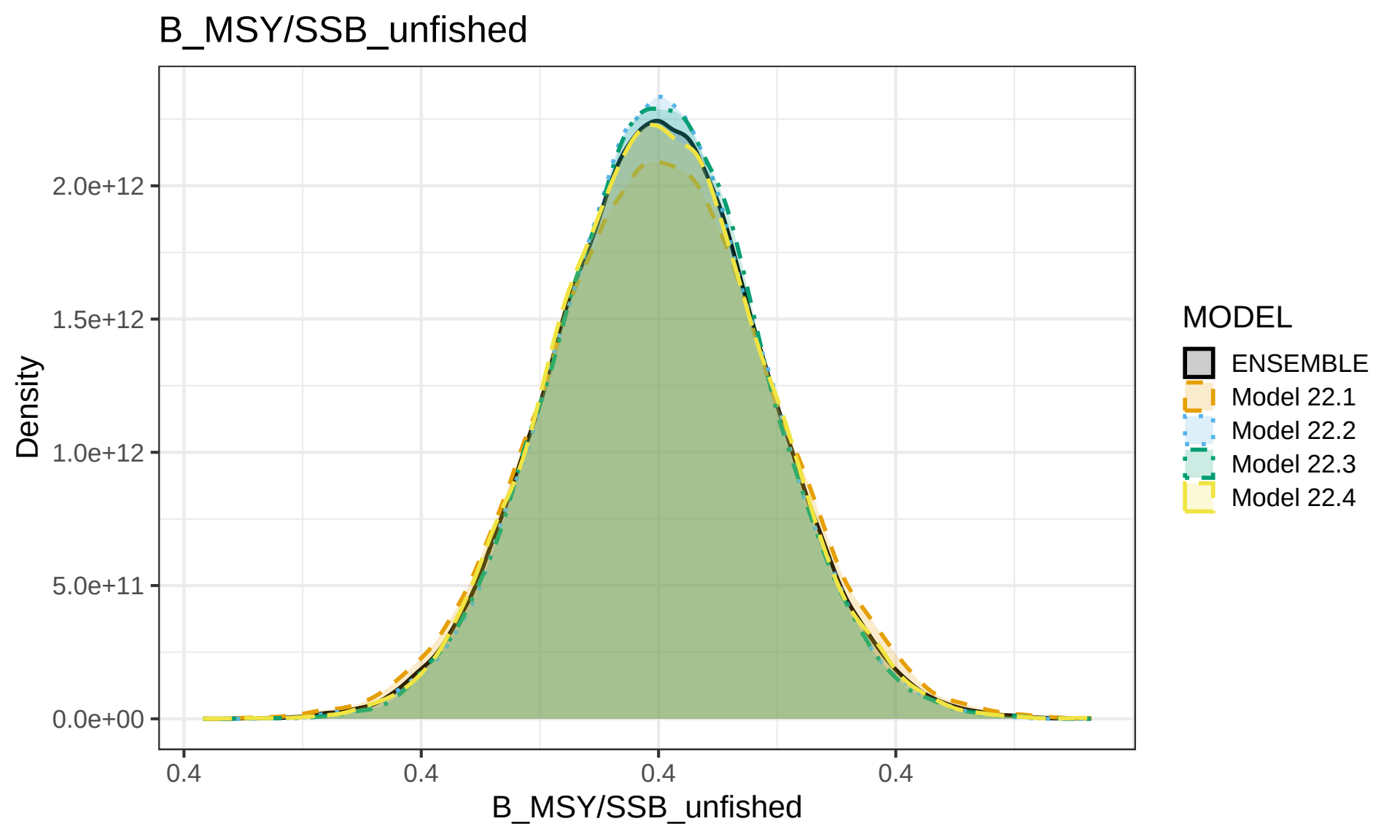

SSB_MSY
4e−05
3e−05
2e−05
1e−05
0e+00
Density
480000
520000
560000
600000
SSB_MSY
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

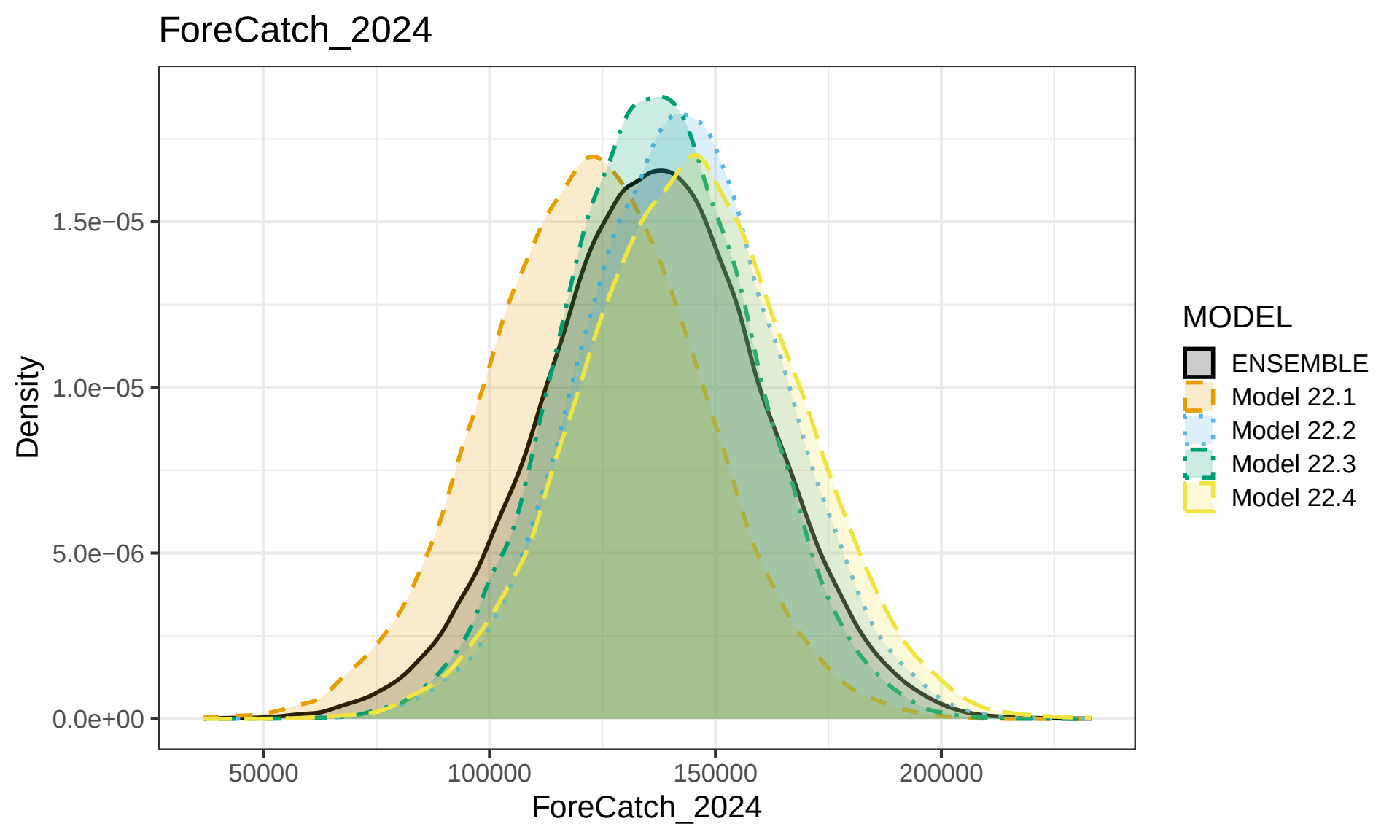

SPR_MSY
2.0e+12
1.5e+12
1.0e+12
5.0e+11
0.0e+00
Density
0.4
0.4
0.4
SPR_MSY
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

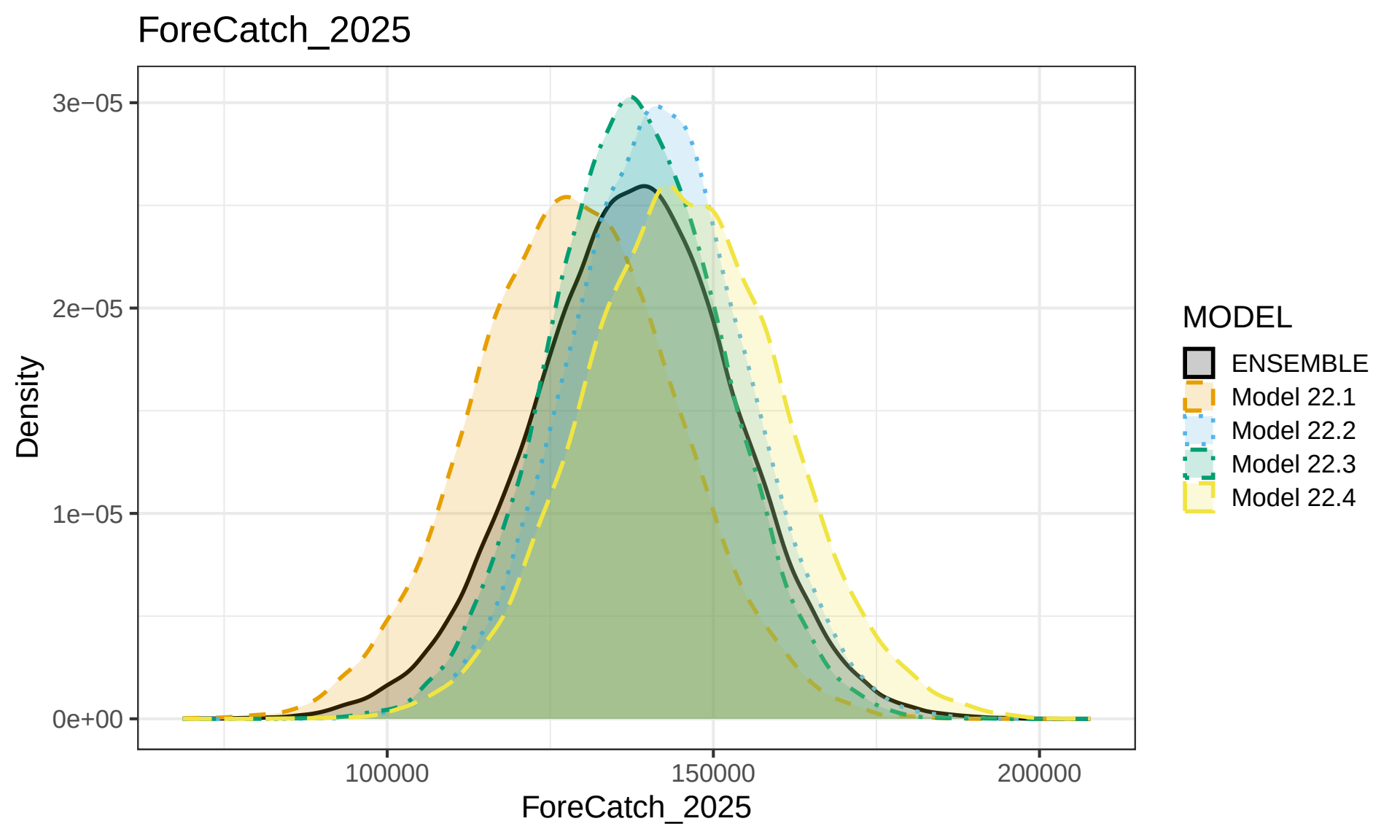

annF_MSY
Density
20
10
0
0.24
0.28
0.32
0.36
annF_MSY
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

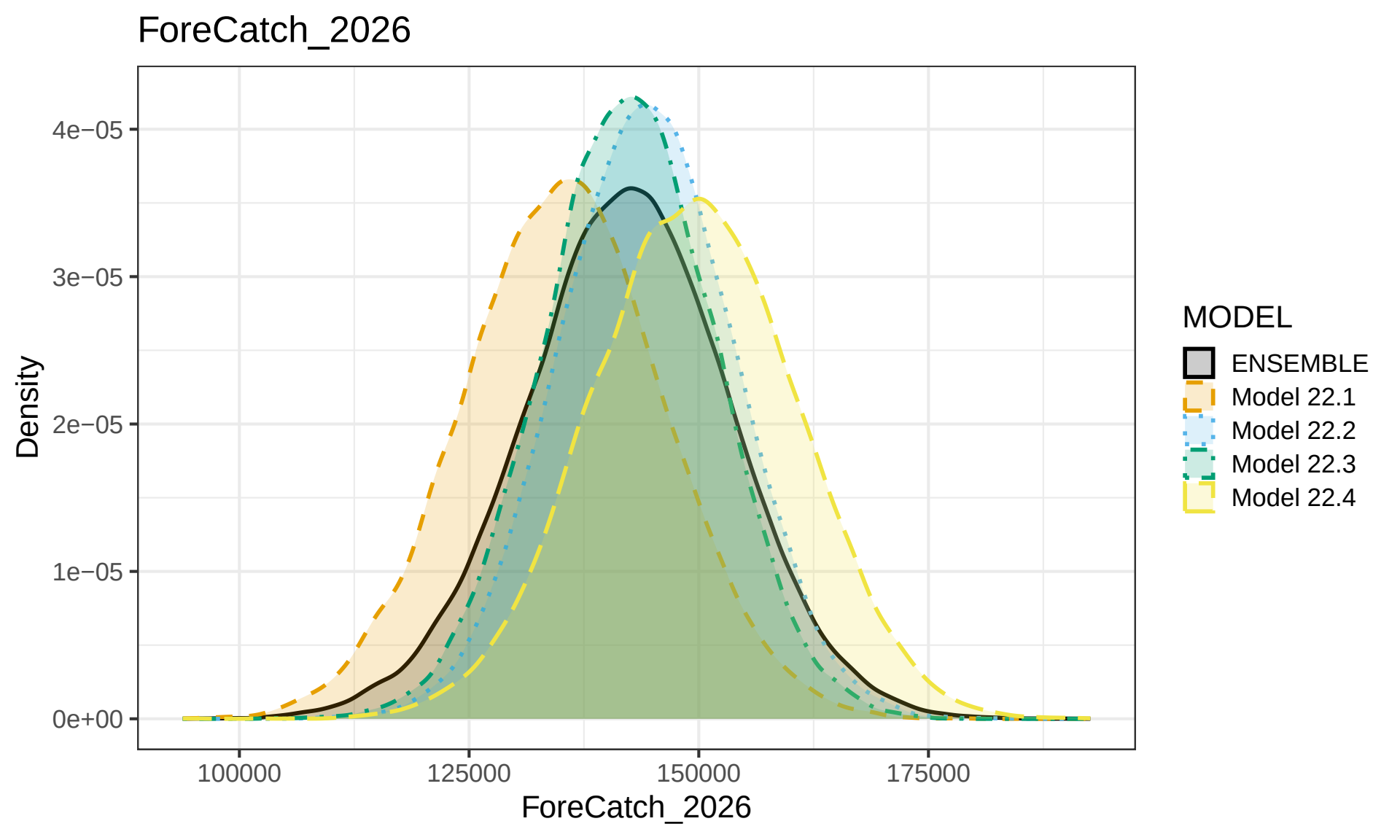

Dead_Catch_MSY
Density
6e−05
4e−05
2e−05
0e+00
160000
180000
200000
Dead_Catch_MSY
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

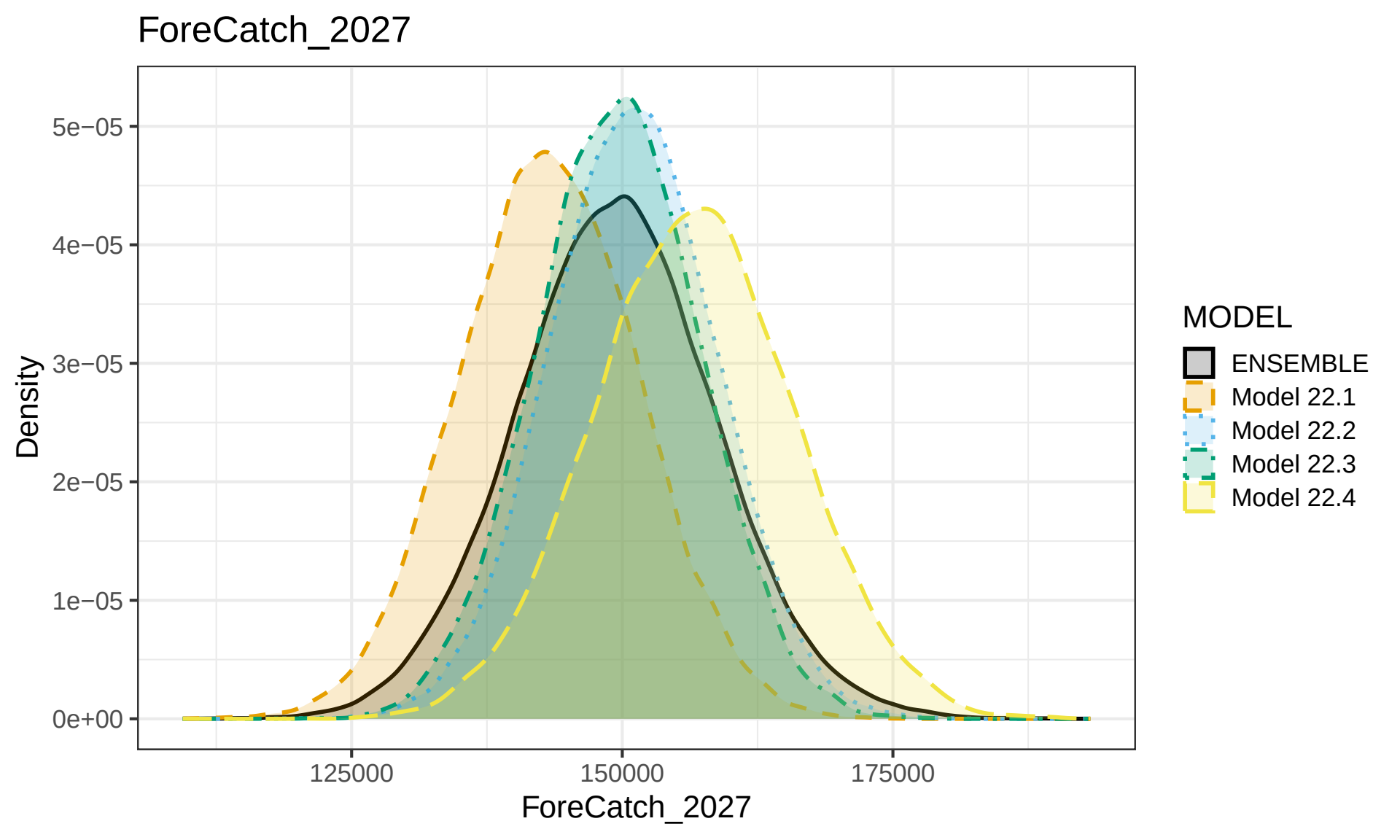

Ret_Catch_MSY
Density
6e−05
4e−05
2e−05
0e+00
140000
160000
180000
200000
Ret_Catch_MSY
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

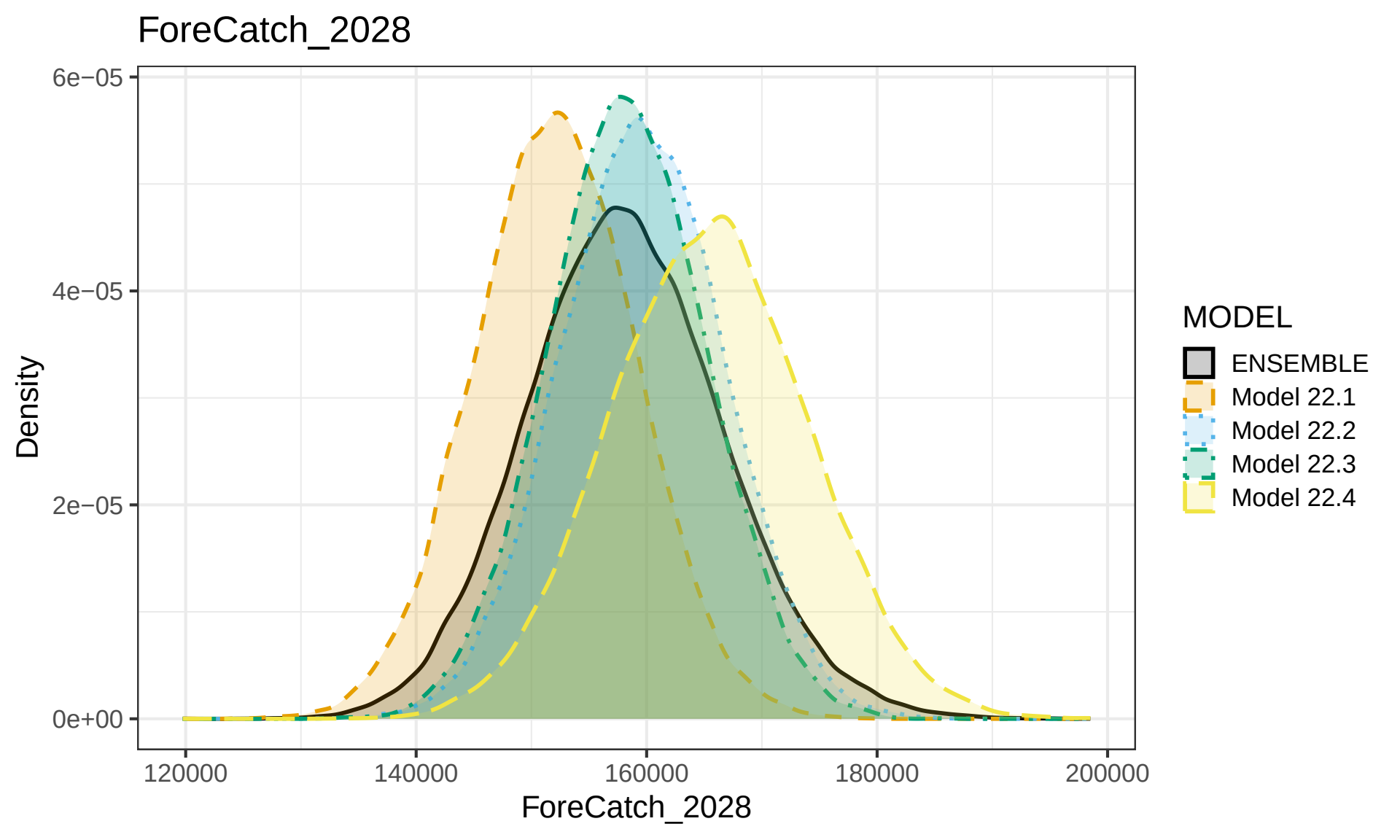

B_MSY/SSB_unfished
Density
2.0e+12
1.5e+12
1.0e+12
5.0e+11
0.0e+00
0.4
0.4
0.4
0.4
B_MSY/SSB_unfished
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

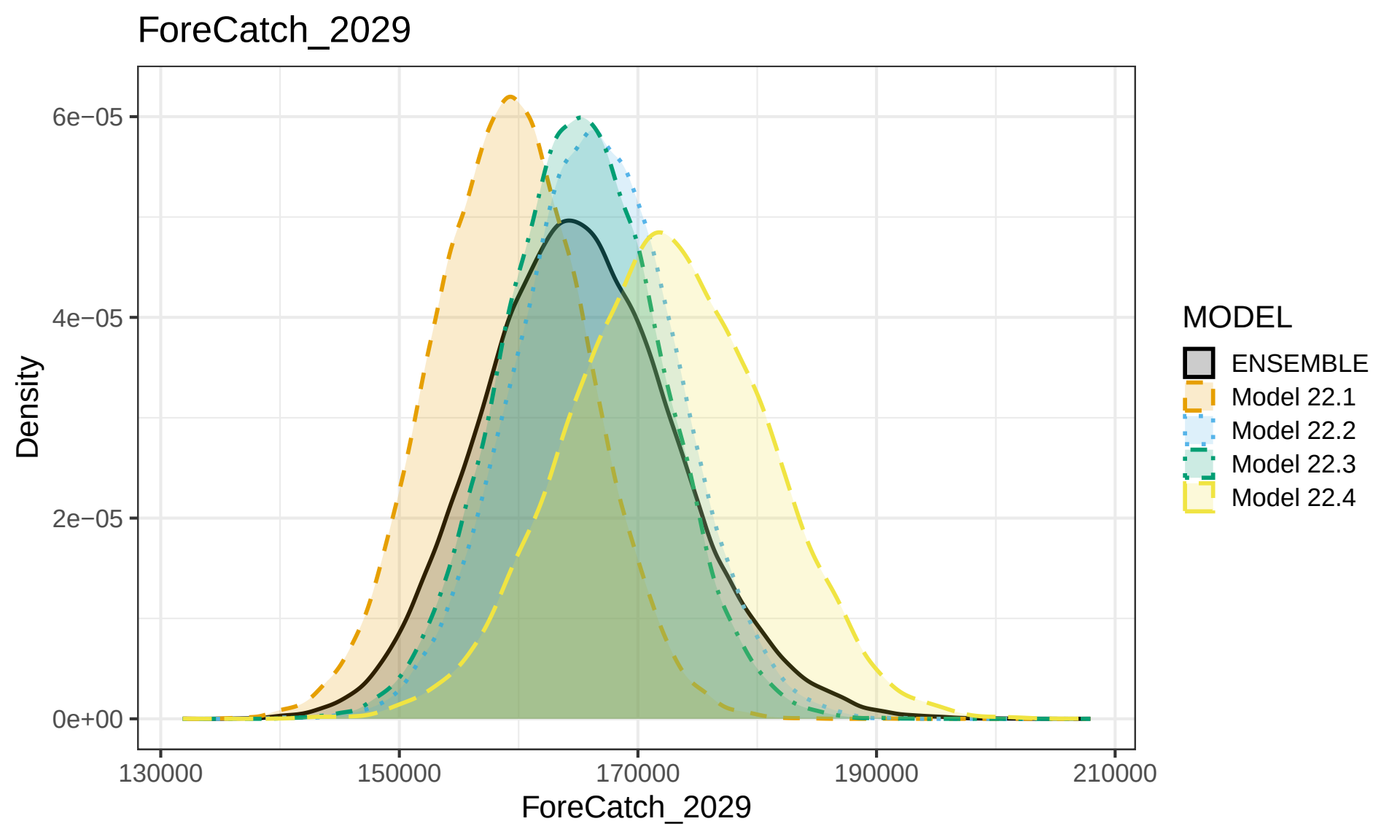

ForeCatch_2024
Density
1.5e−05
1.0e−05
5.0e−06
0.0e+00
50000
100000
150000
200000
ForeCatch_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

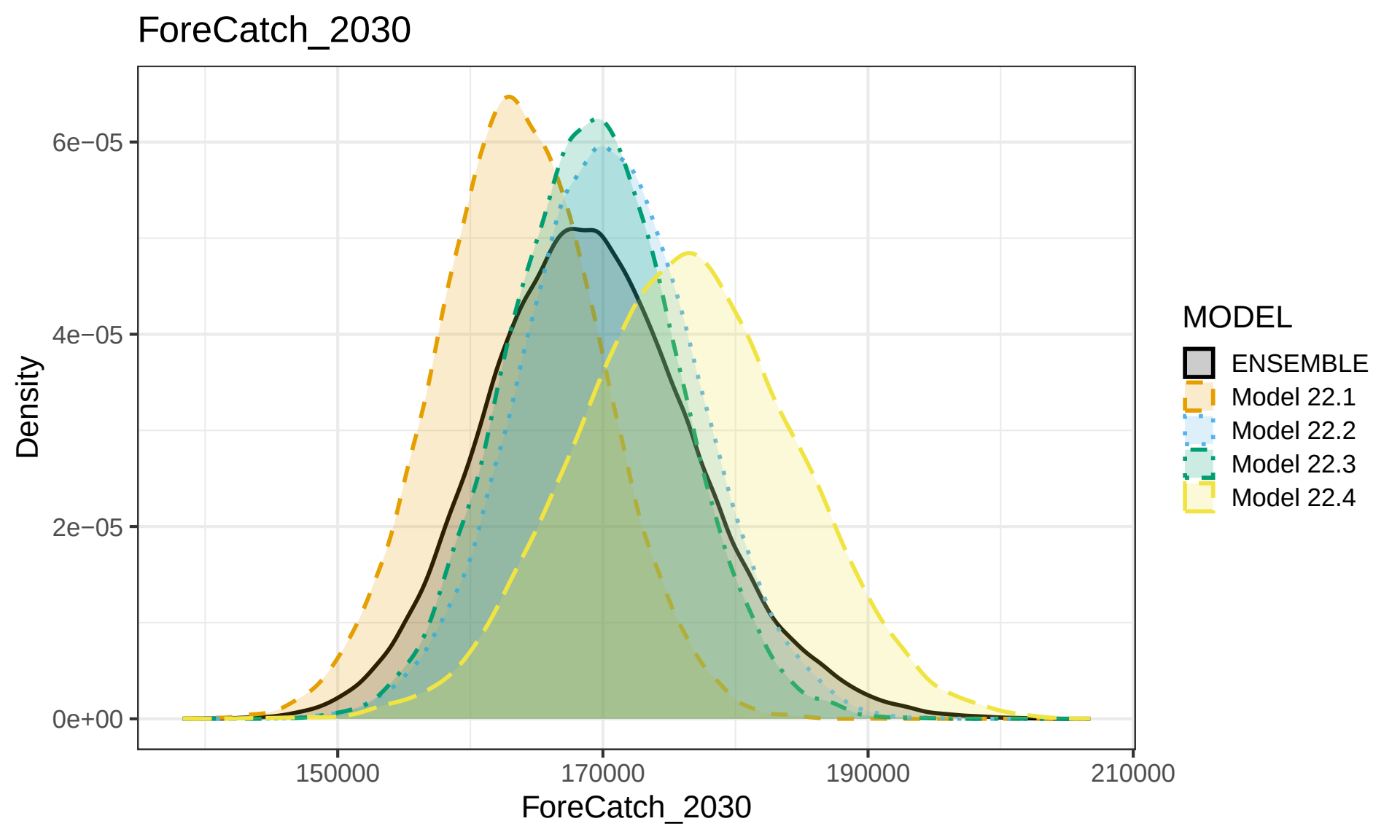

ForeCatch_2025
3e−05
2e−05
1e−05
0e+00
Density
100000
150000
200000
ForeCatch_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

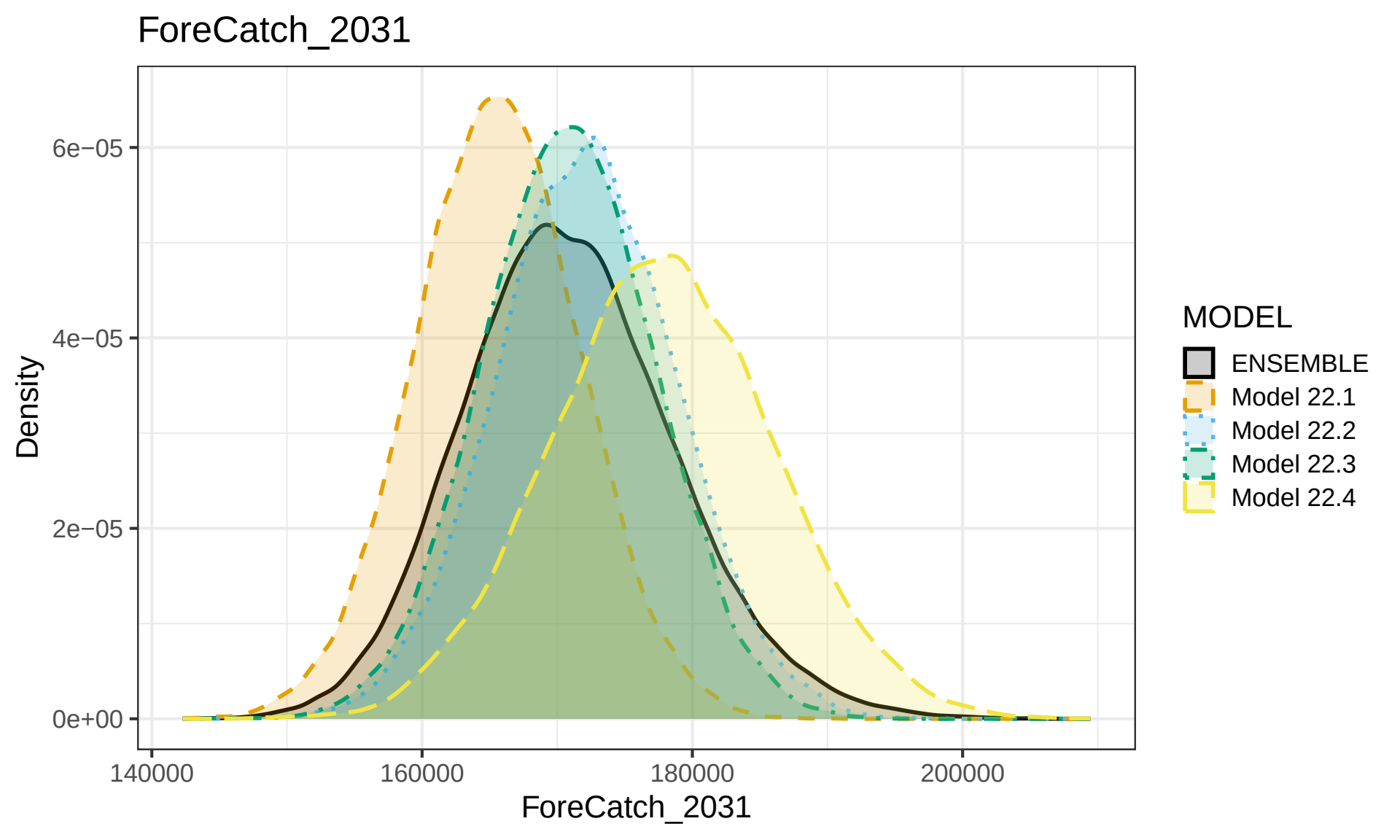

ForeCatch_2026
4e−05
3e−05
2e−05
1e−05
0e+00
Density
100000
125000
150000
175000
ForeCatch_2026
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

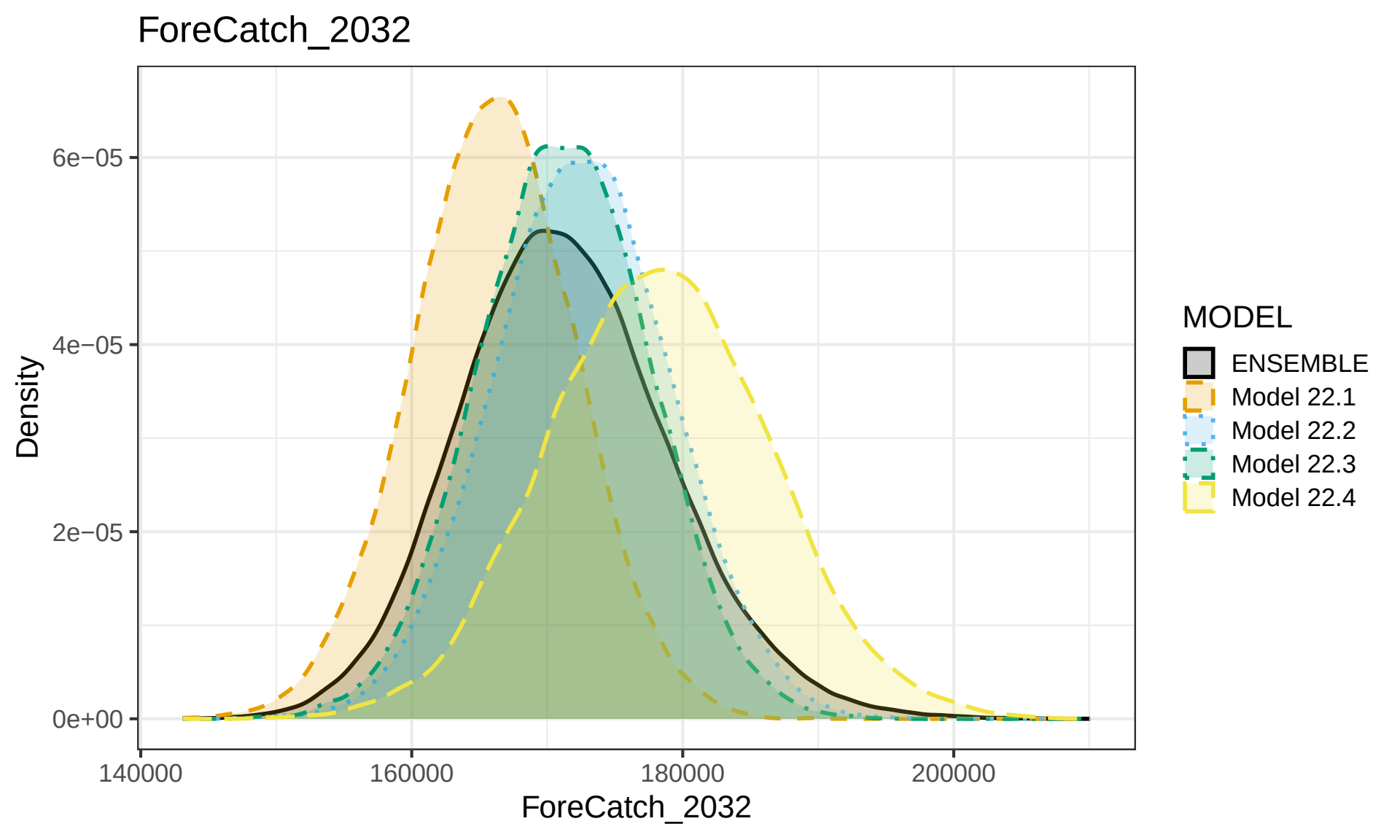

ForeCatch_2027
5e−05
4e−05
3e−05
2e−05
1e−05
0e+00
Density
125000
150000
175000
ForeCatch_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

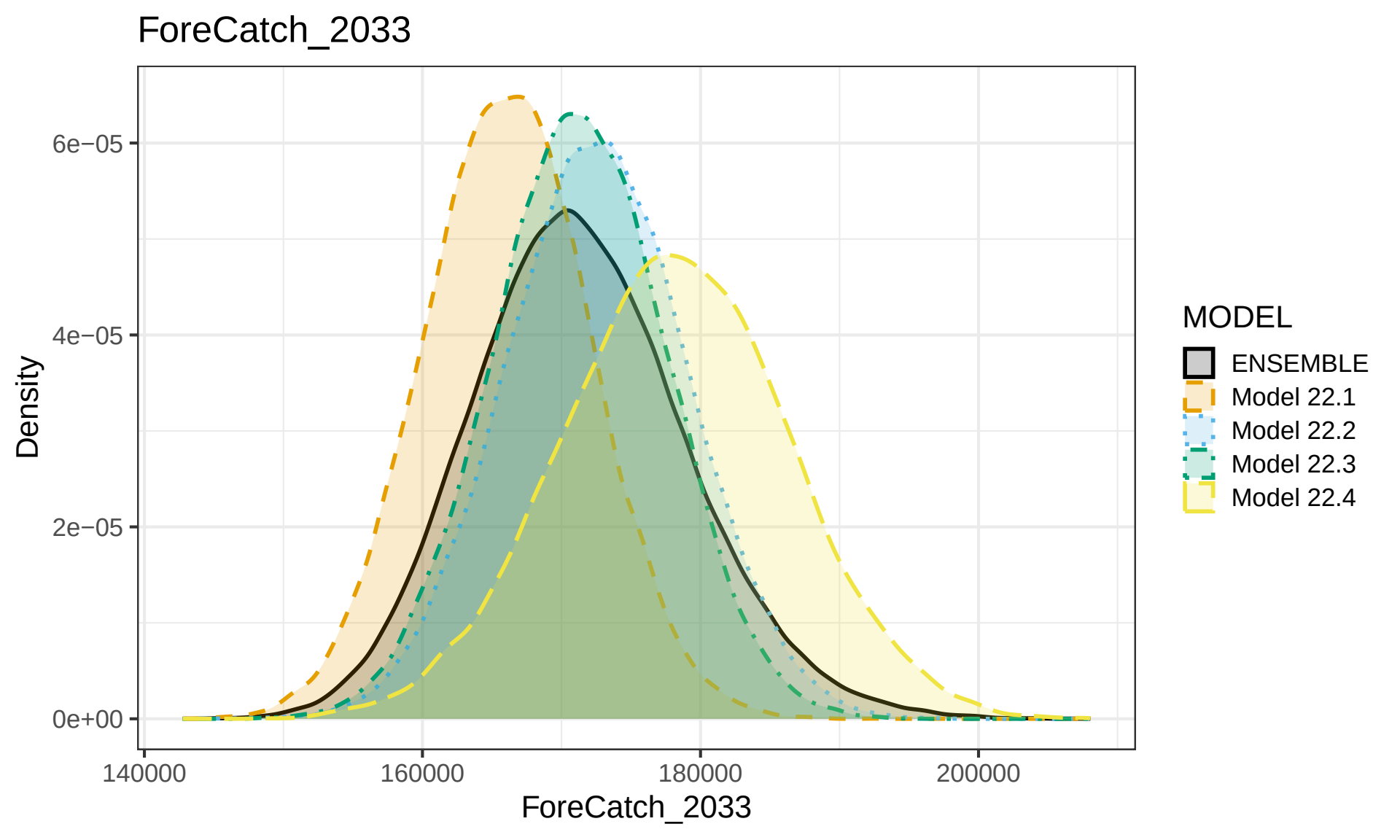

ForeCatch_2028
6e−05
4e−05
2e−05
0e+00
Density
120000
140000
160000
180000
200000
ForeCatch_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

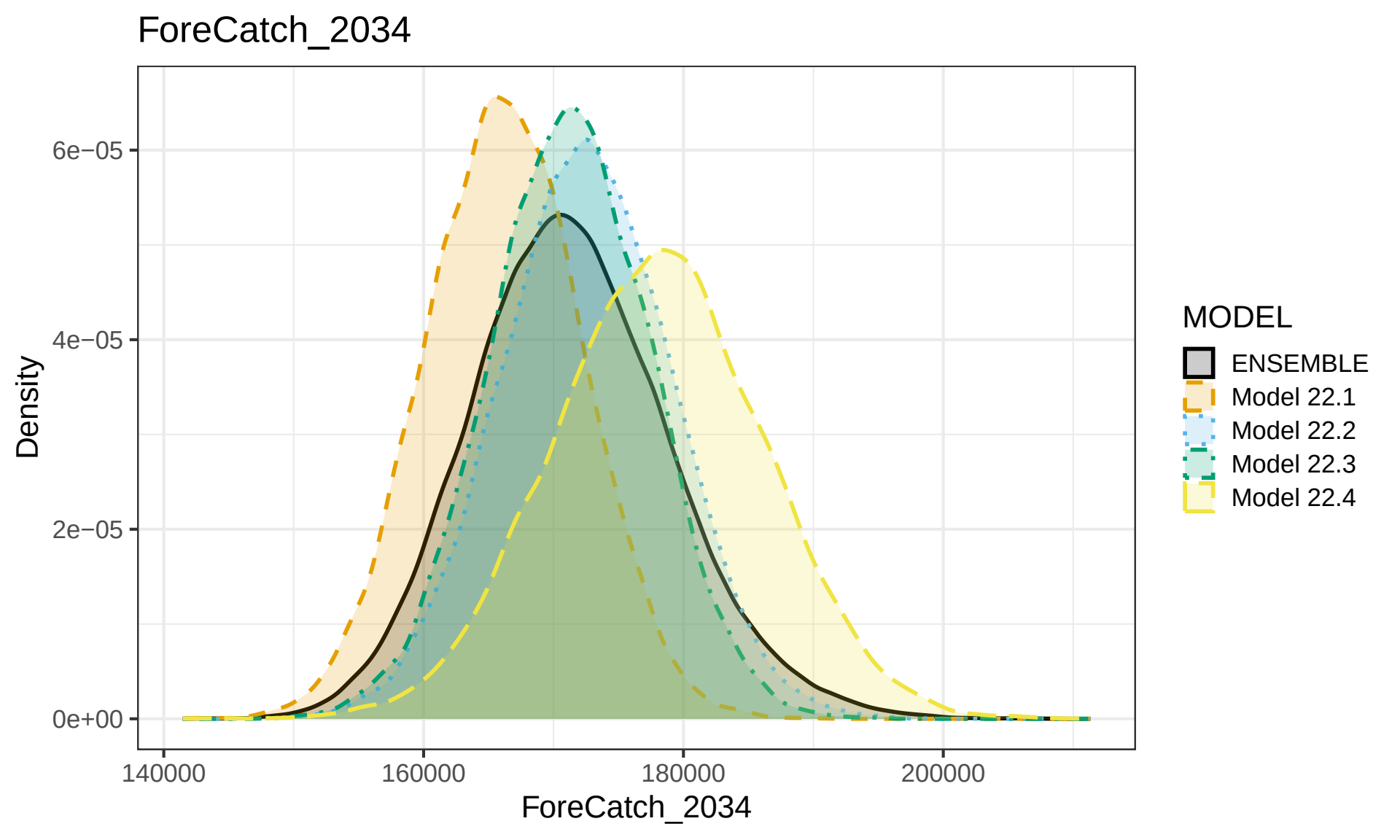

ForeCatch_2029
6e−05
4e−05
2e−05
0e+00
Density
130000
150000
170000
190000
210000
ForeCatch_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

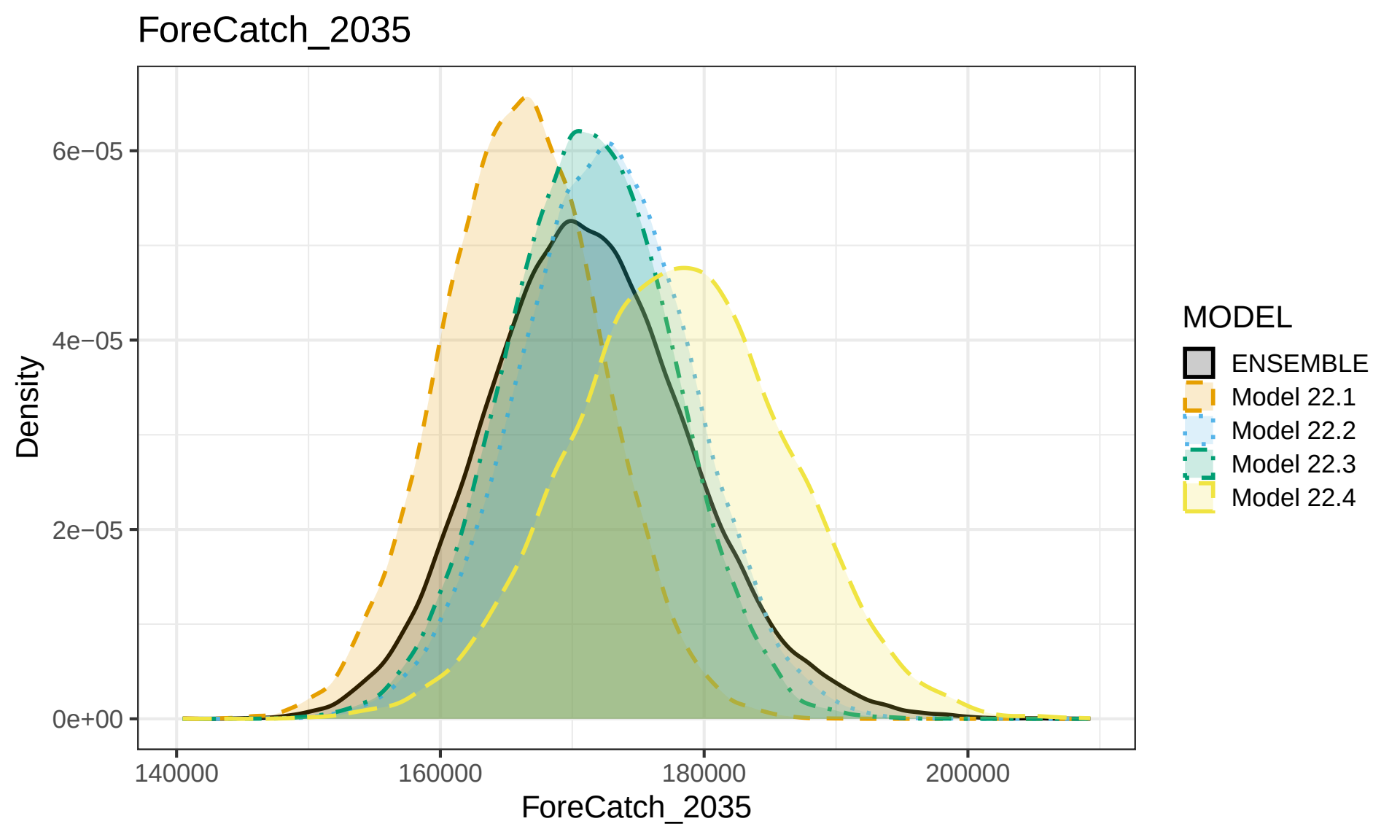

ForeCatch_2030
6e−05
4e−05
2e−05
0e+00
Density
150000
170000
190000
210000
ForeCatch_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

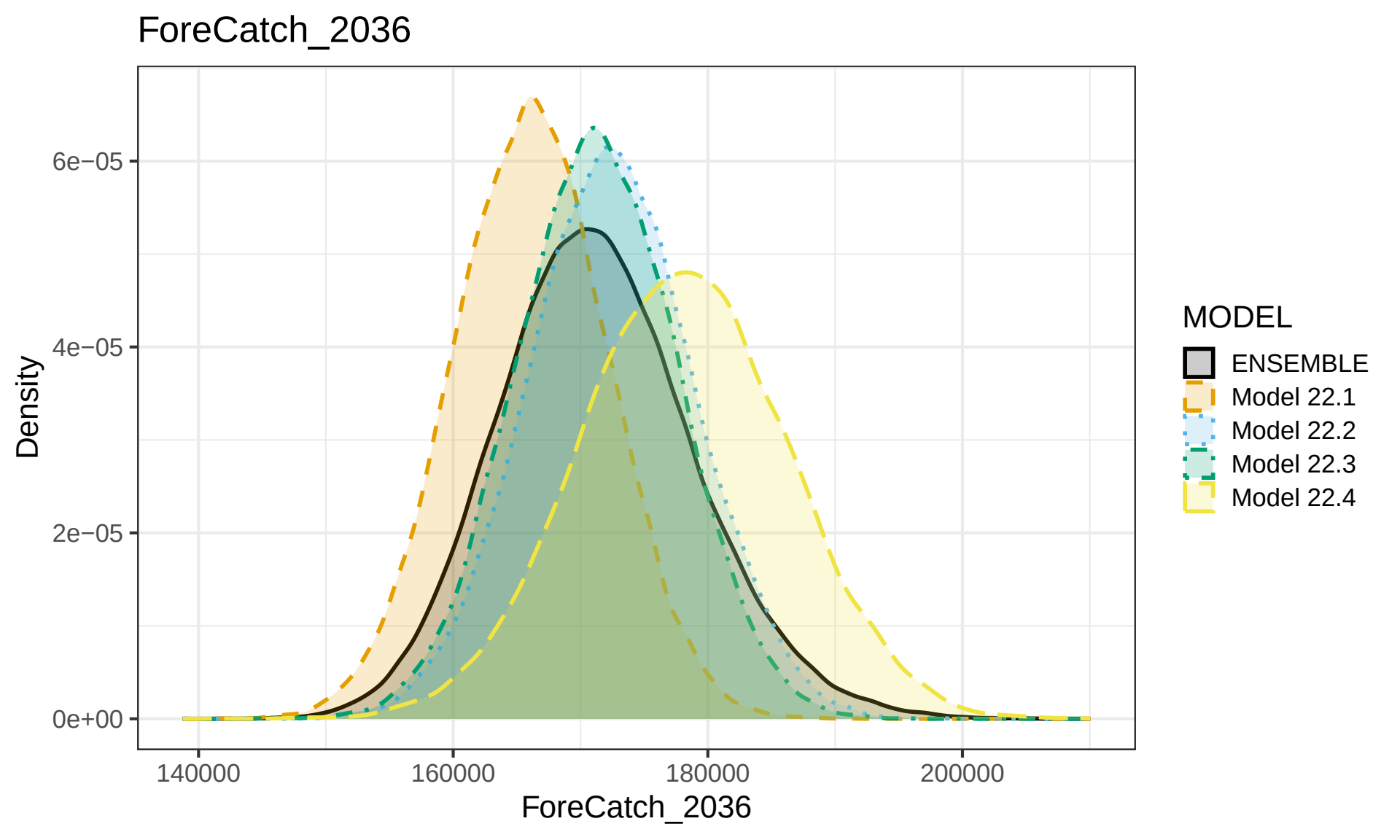

ForeCatch_2031
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

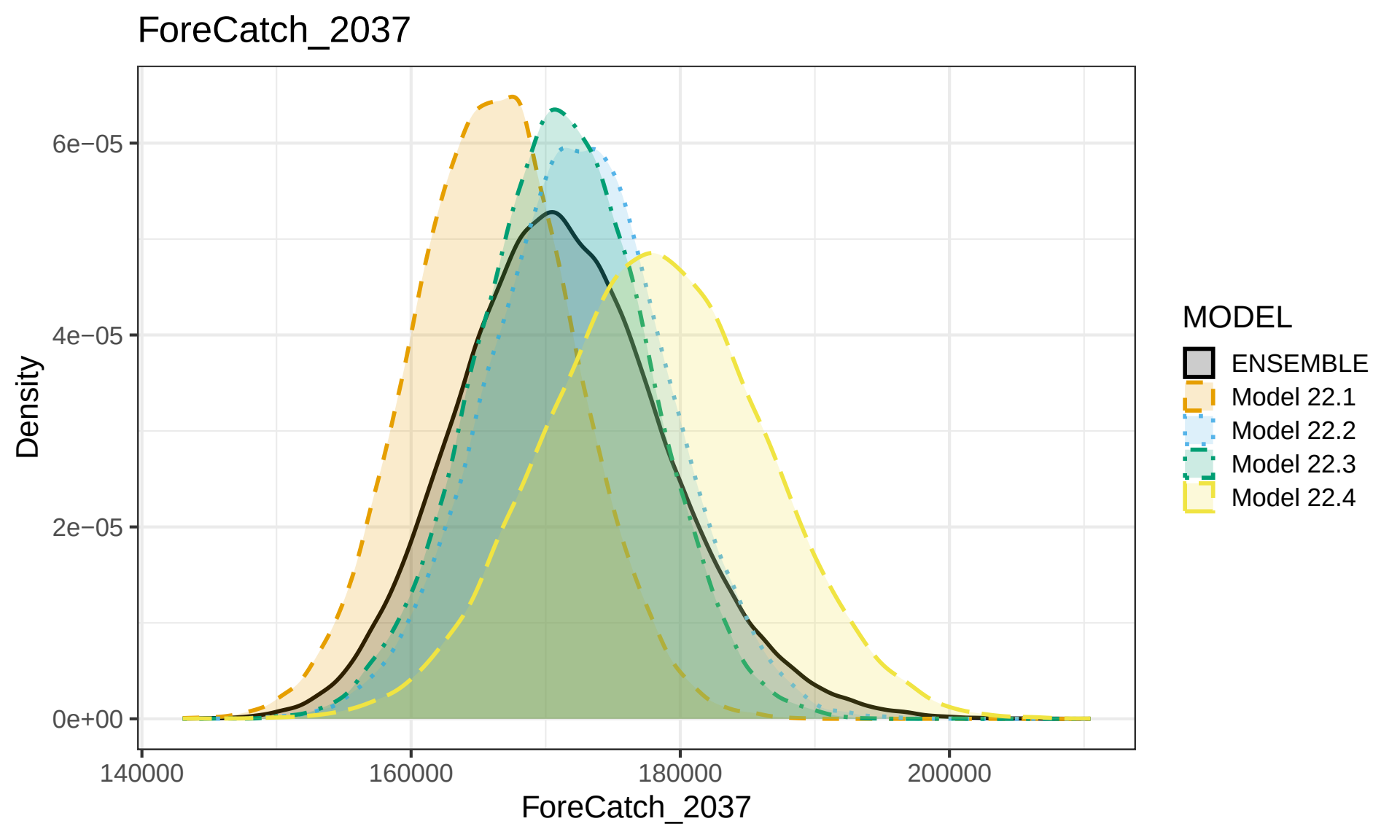

ForeCatch_2032
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

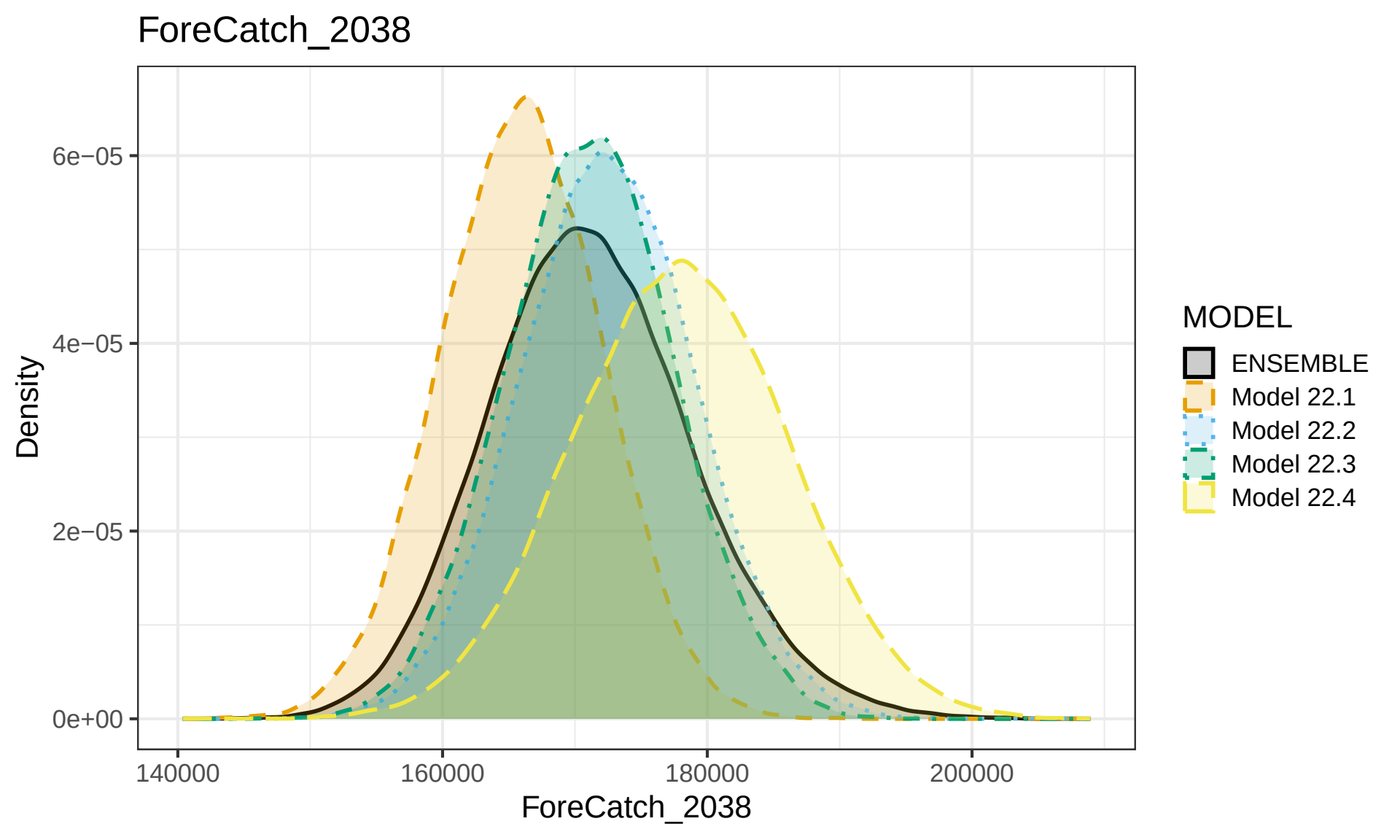

ForeCatch_2033
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2033
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

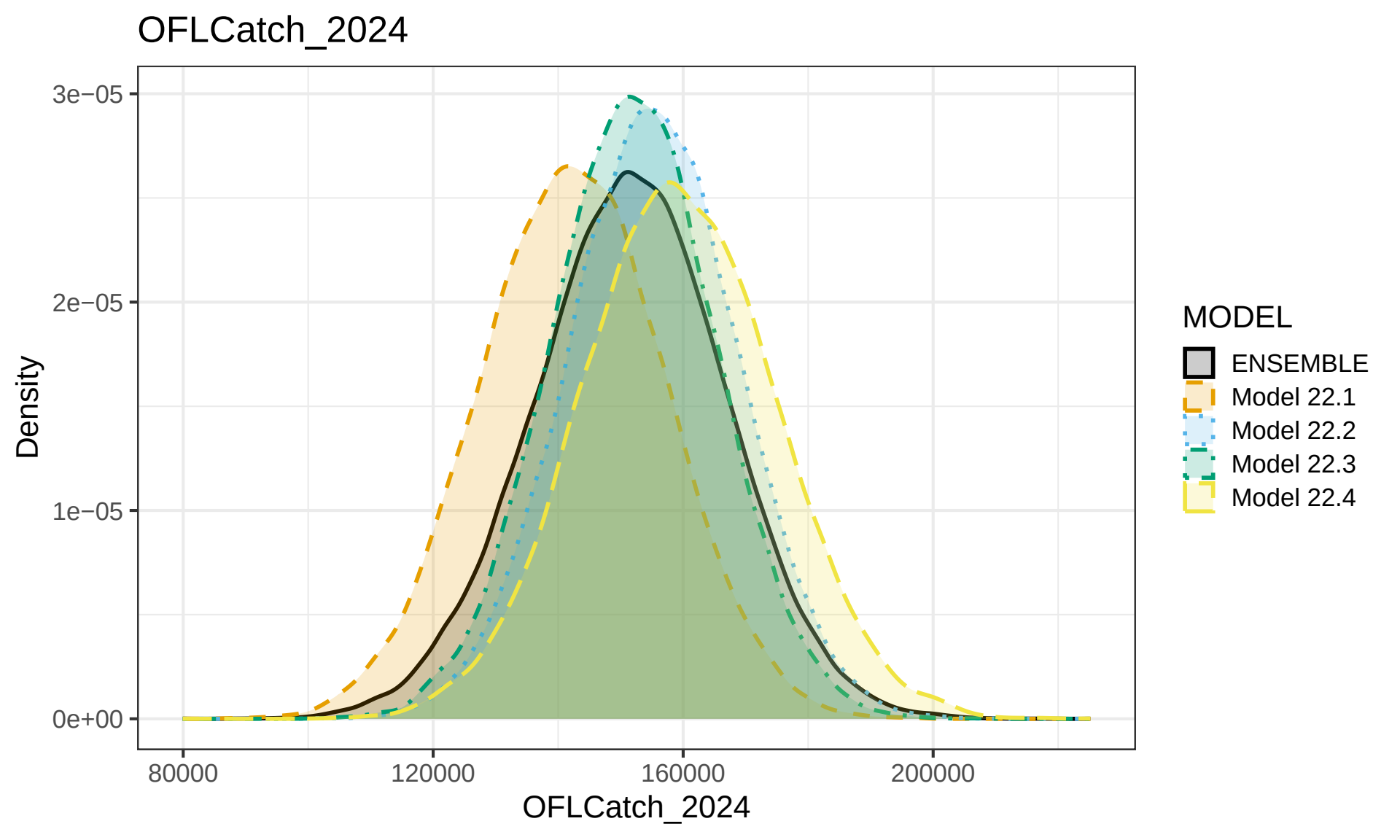

ForeCatch_2034
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

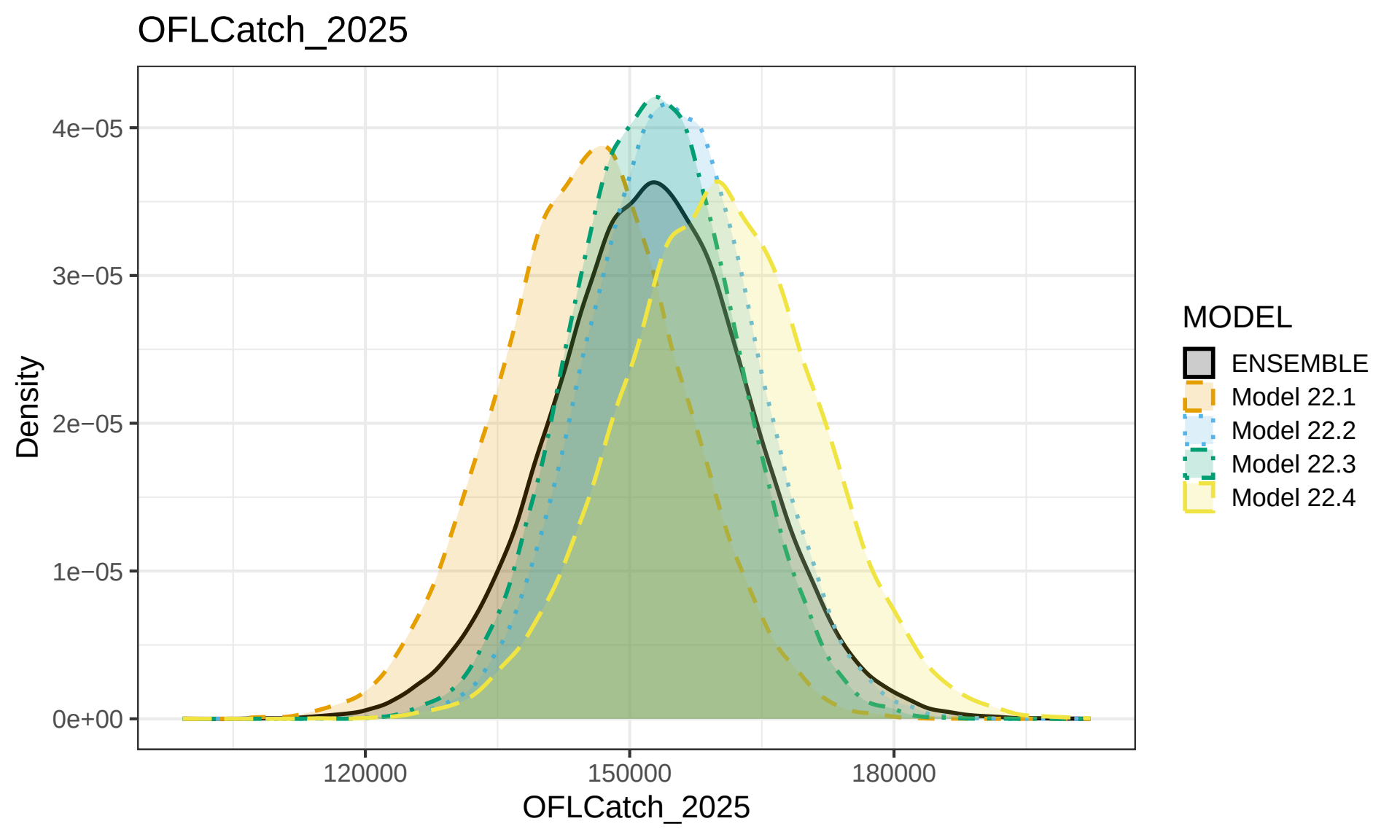

ForeCatch_2035
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

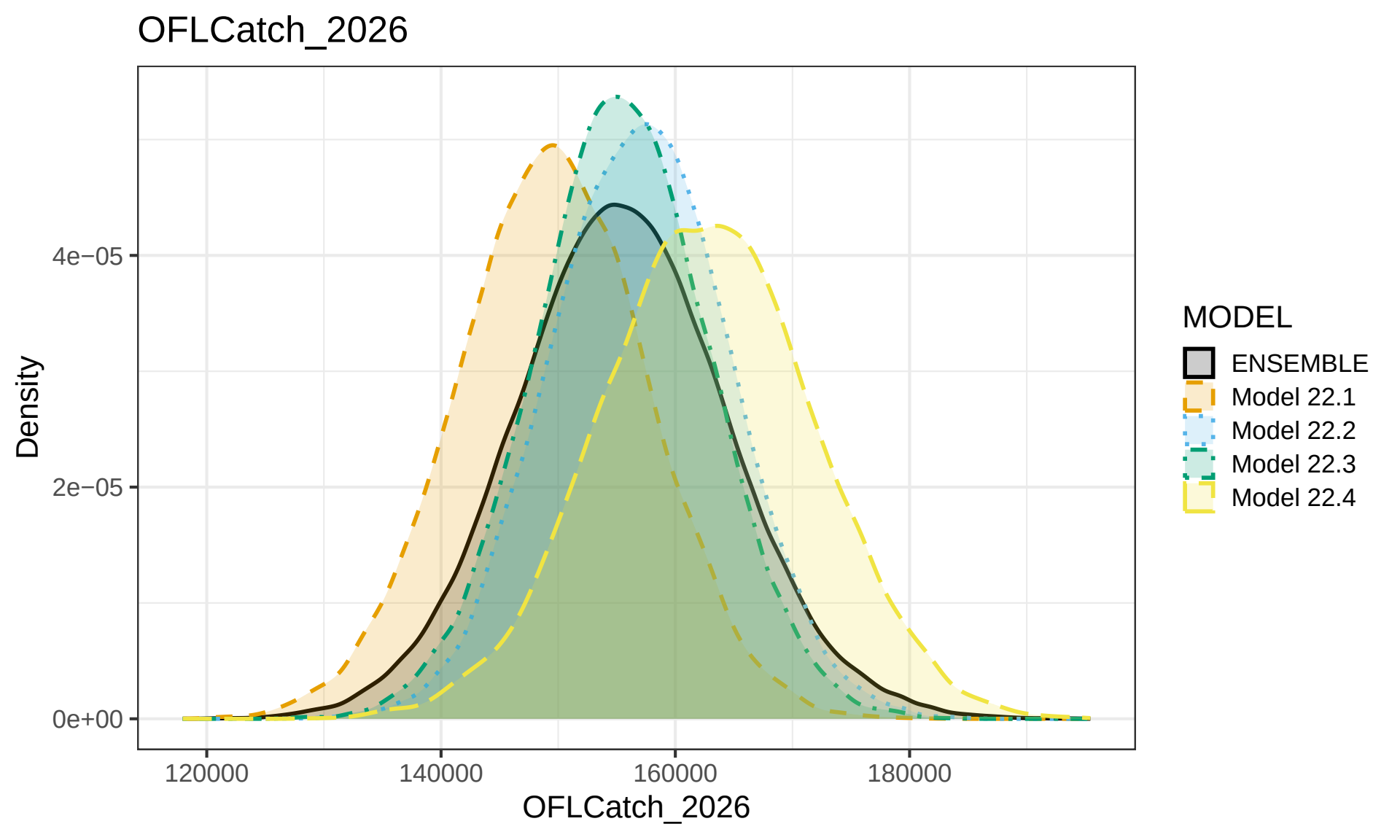

ForeCatch_2036
Density
6e−05
4e−05
2e−05
0e+00
140000
160000
180000
200000
ForeCatch_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

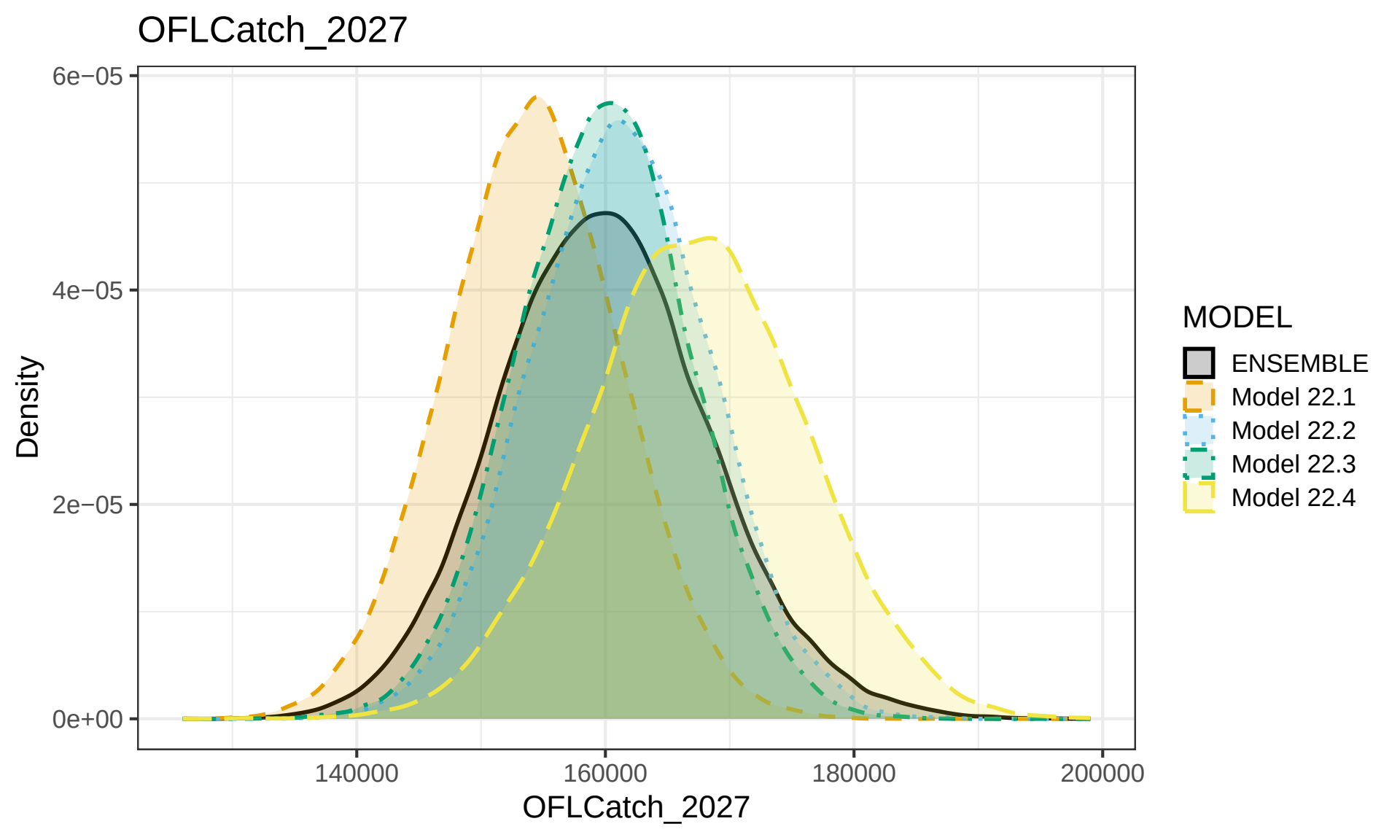

ForeCatch_2037
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

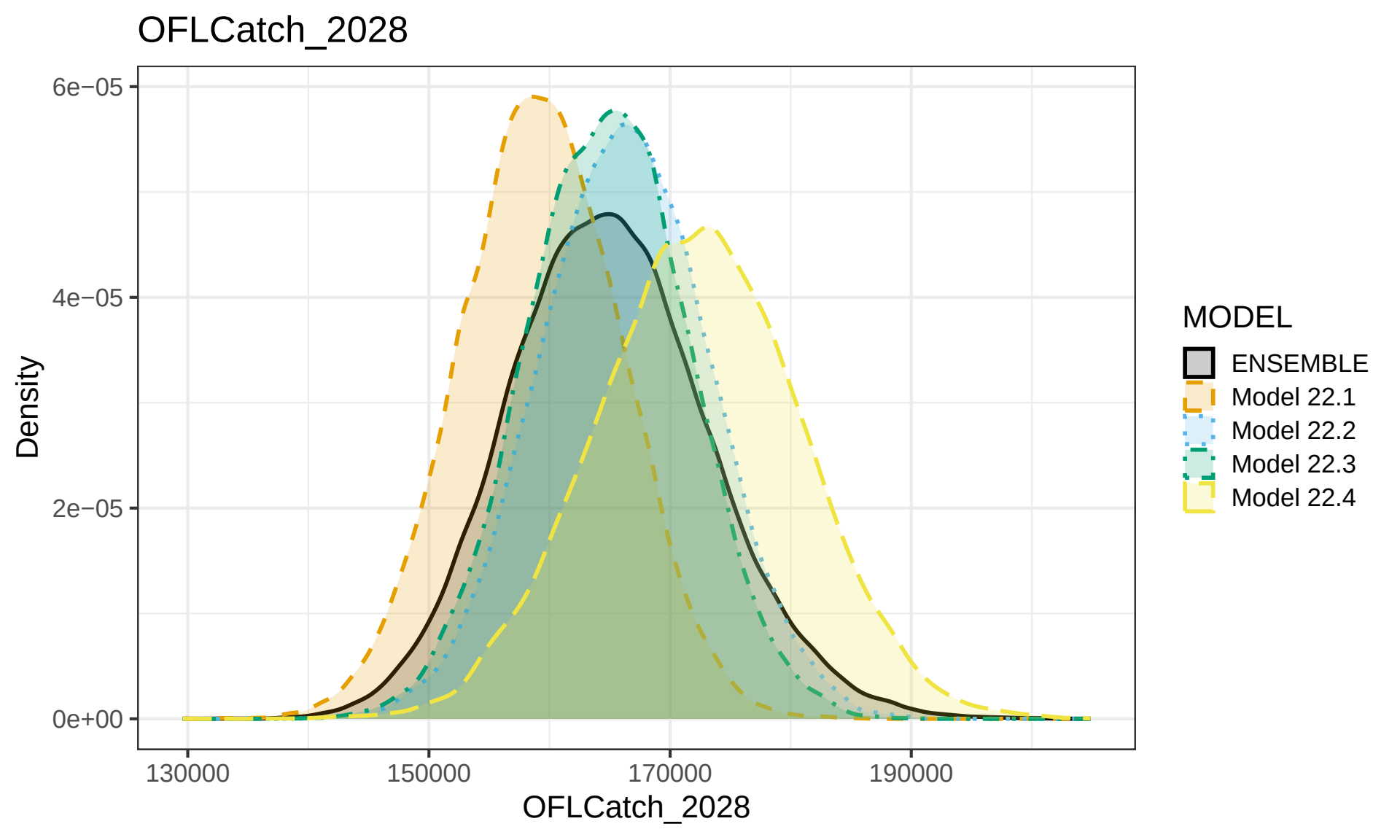

ForeCatch_2038
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
ForeCatch_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

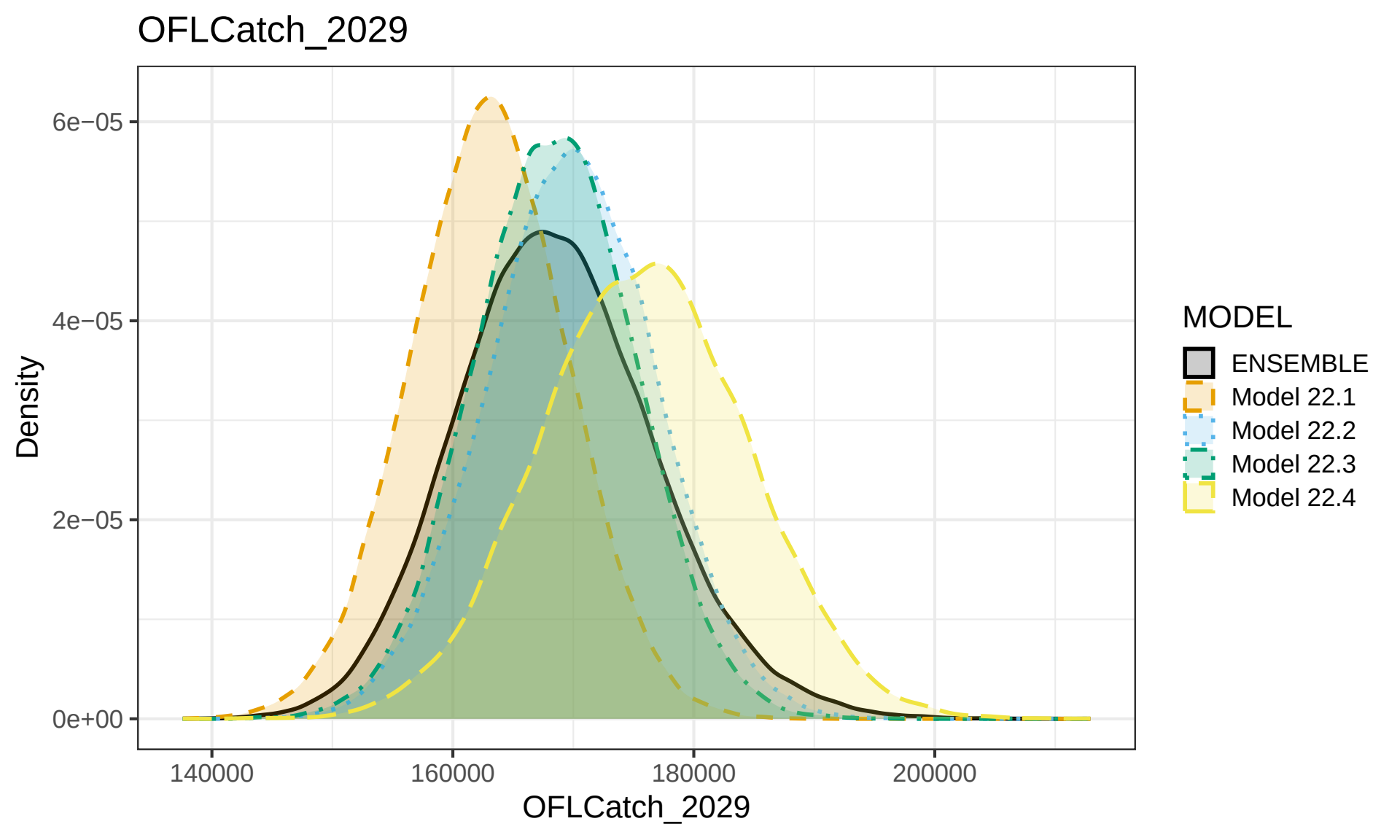

OFLCatch_2024
3e−05
2e−05
1e−05
0e+00
Density
80000
120000
160000
200000
OFLCatch_2024
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

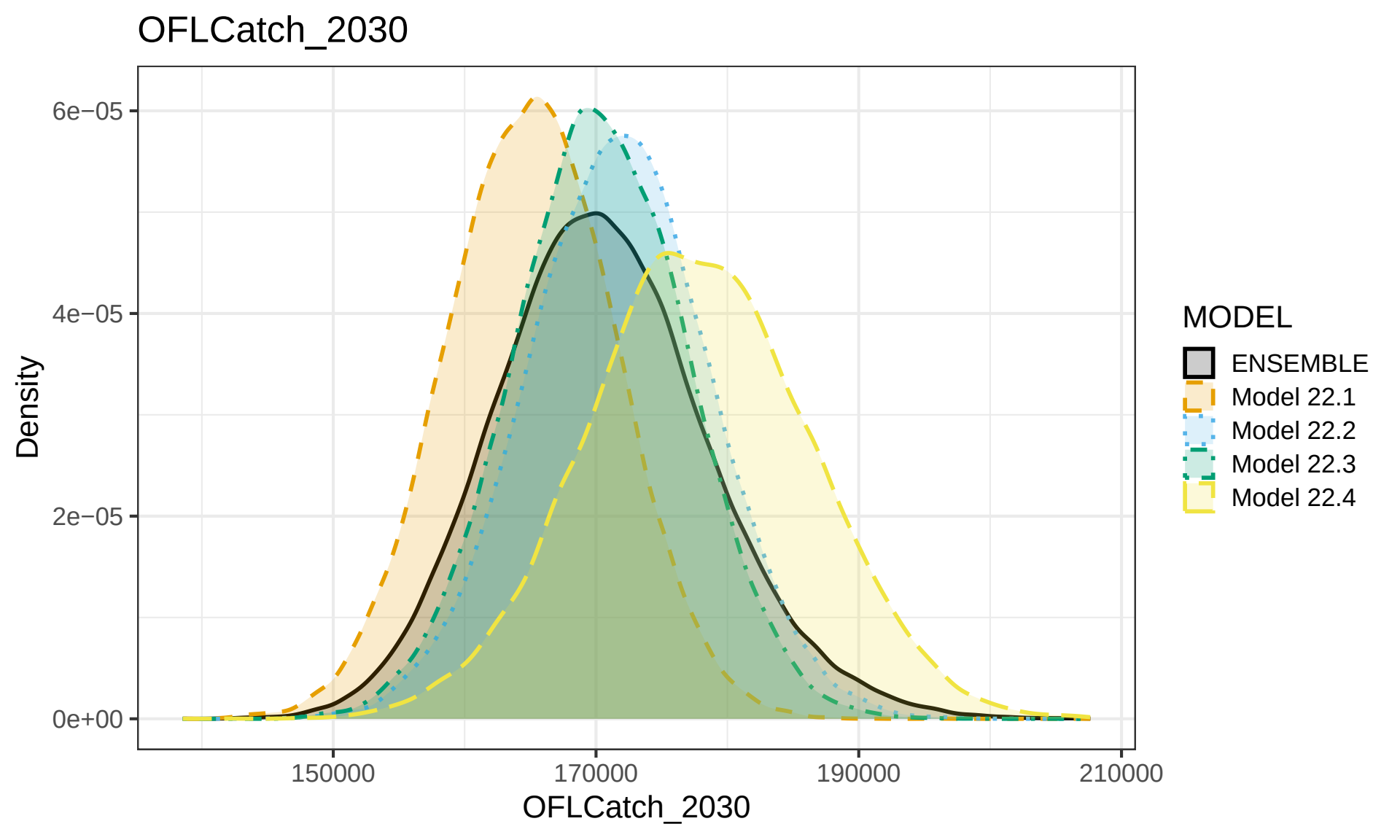

OFLCatch_2025
4e−05
3e−05
2e−05
1e−05
0e+00
Density
120000
150000
180000
OFLCatch_2025
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

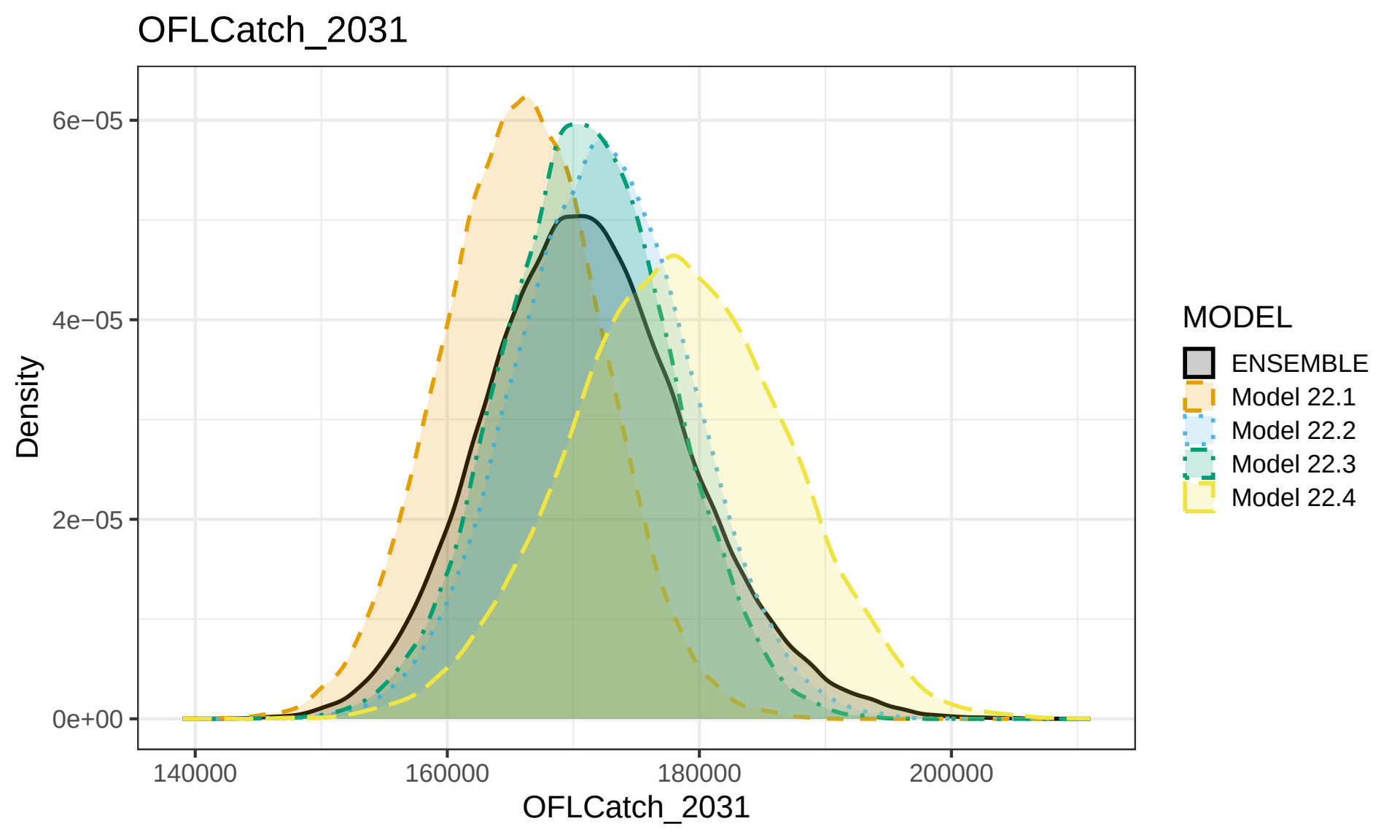

OFLCatch_2026
Density
4e−05
2e−05
0e+00
120000
140000
160000
180000
OFLCatch_2026
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2027
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2027
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2028
6e−05
4e−05
2e−05
0e+00
Density
130000
150000
170000
190000
OFLCatch_2028
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2029
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2029
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2030
6e−05
4e−05
2e−05
0e+00
Density
150000
170000
190000
210000
OFLCatch_2030
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2031
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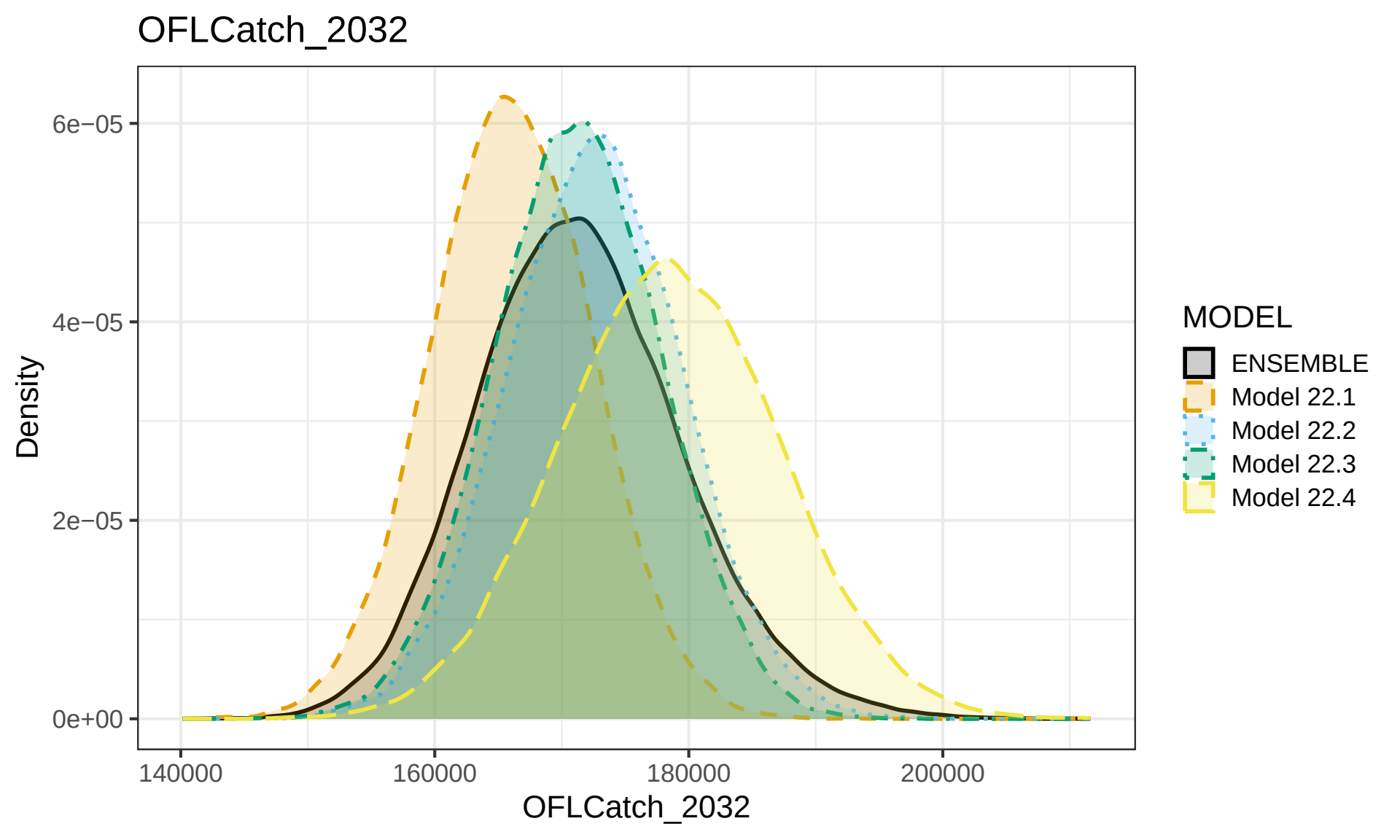
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2031
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2032
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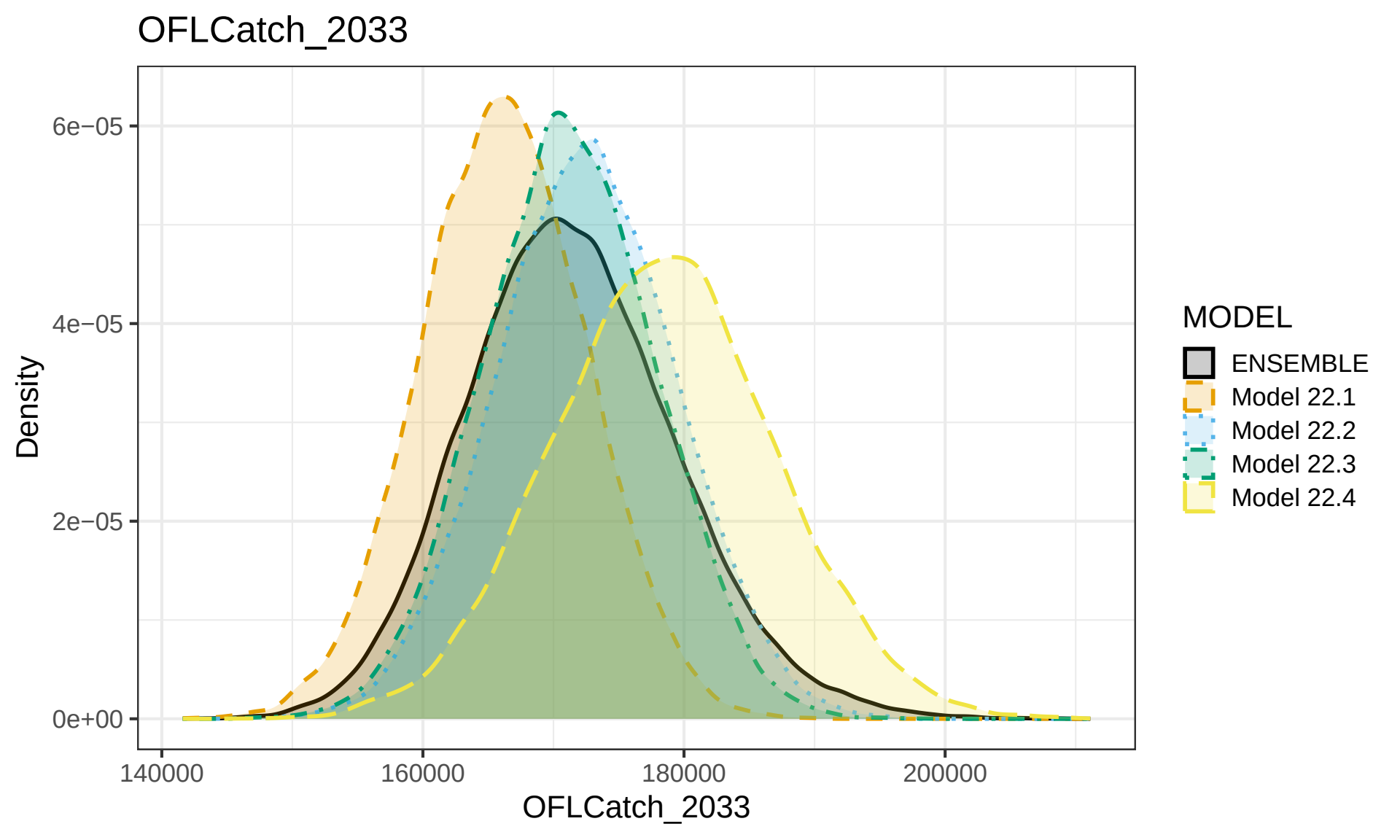
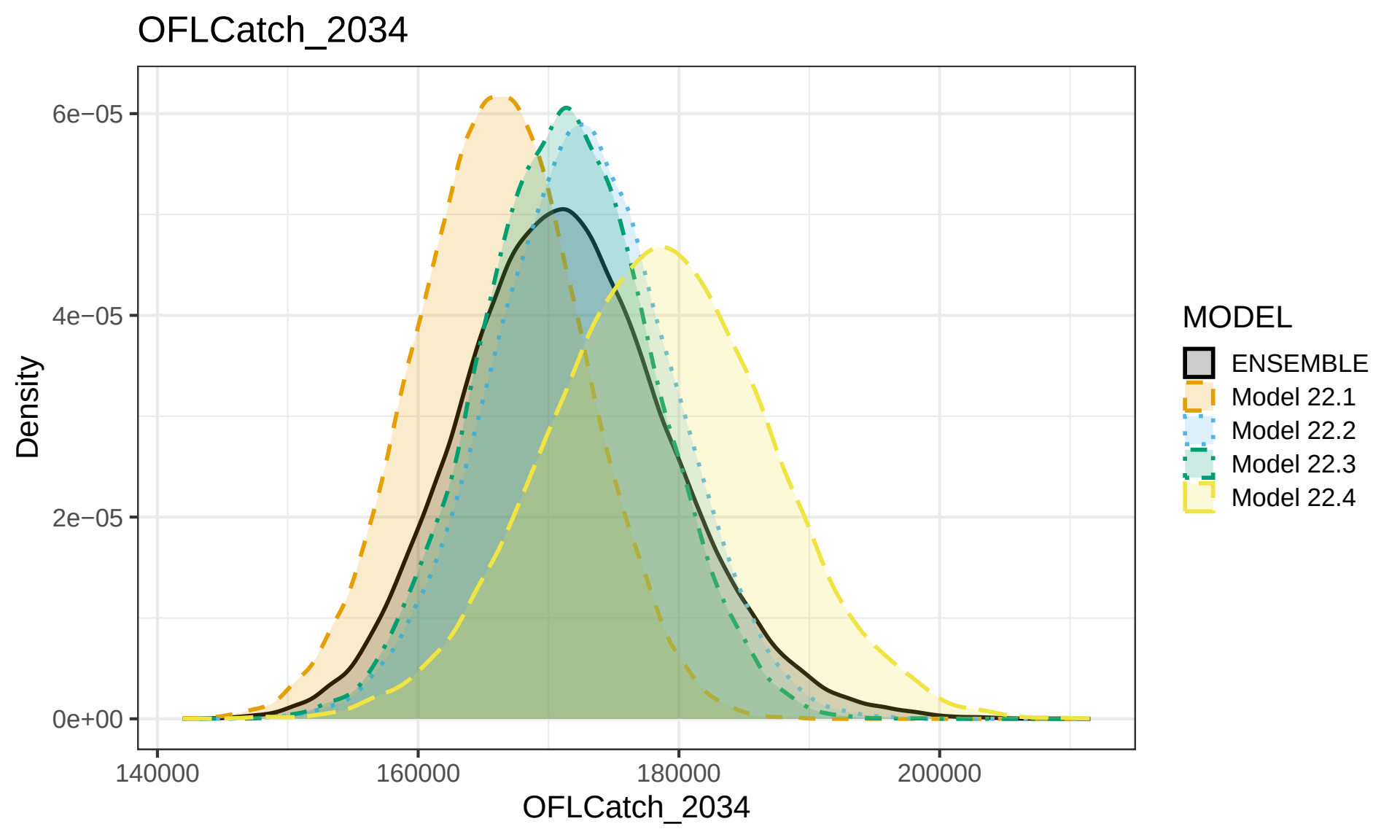
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2032
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2033
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2033
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


OFLCatch_2034
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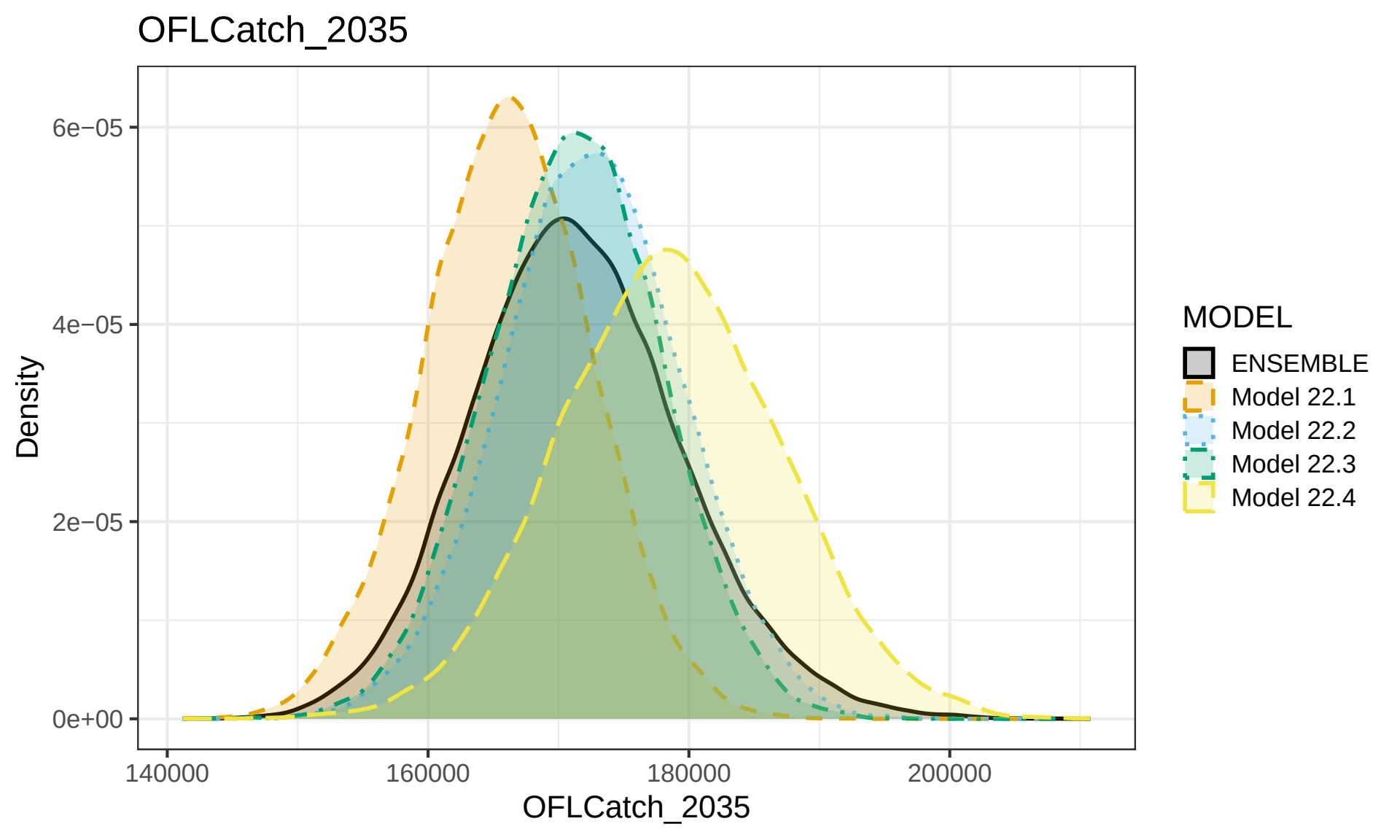
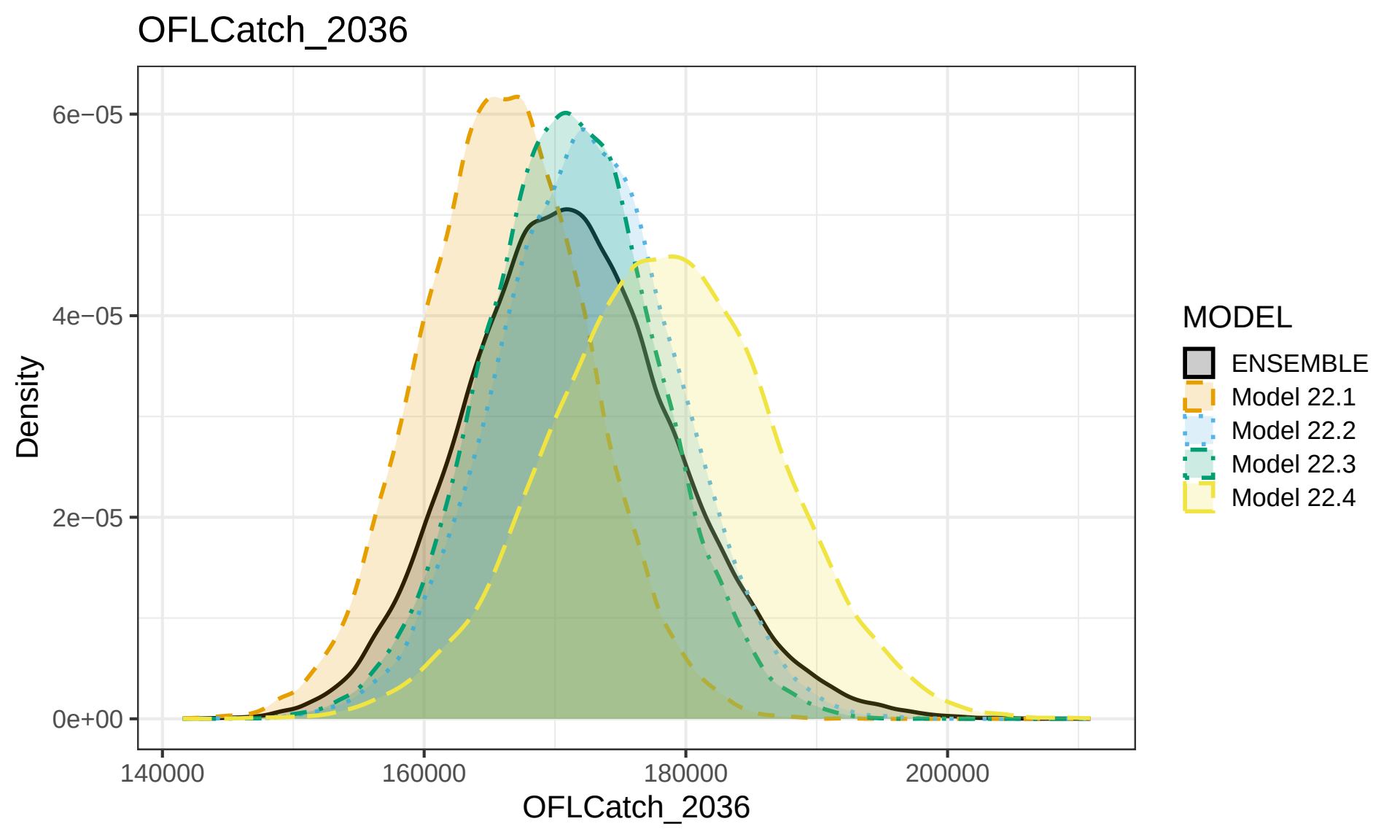
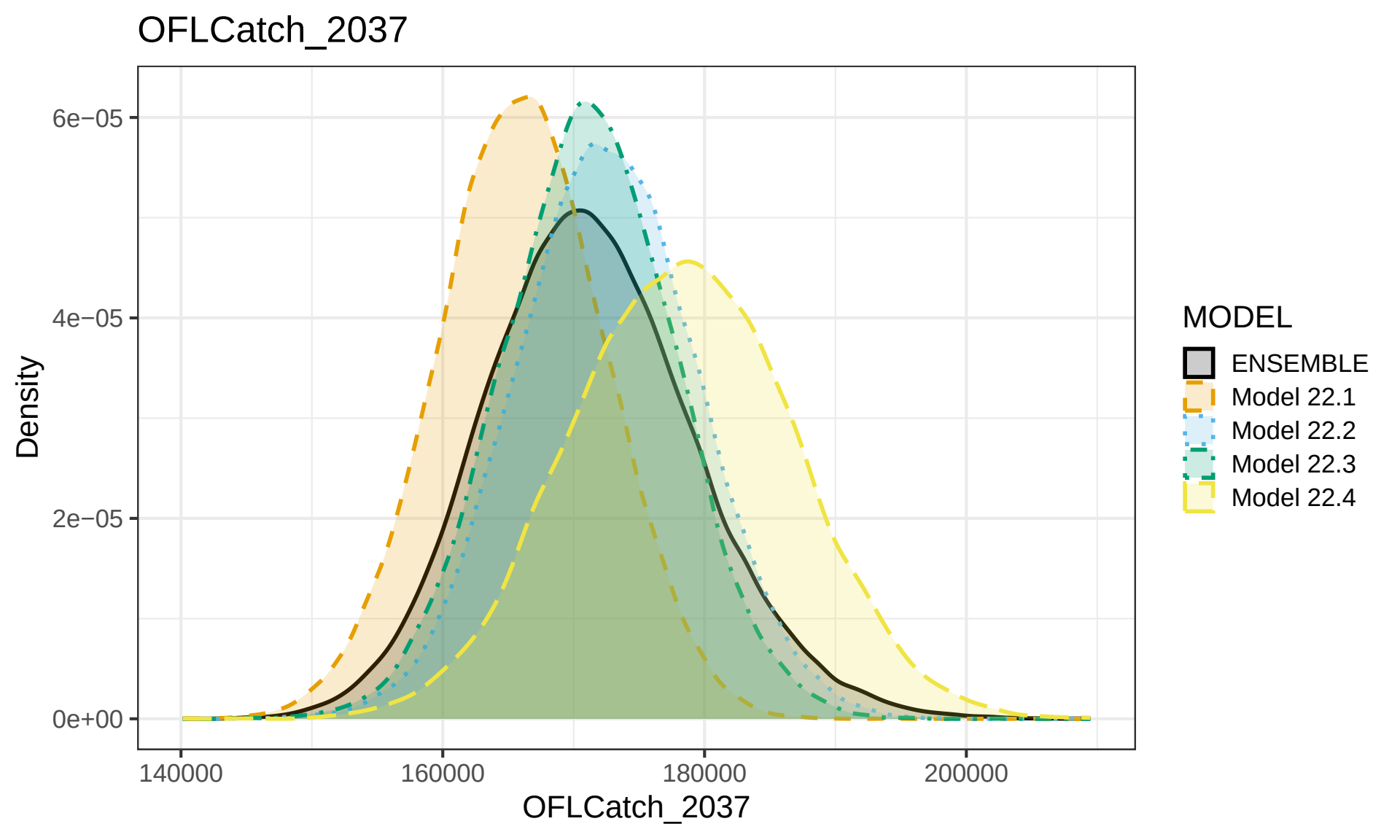
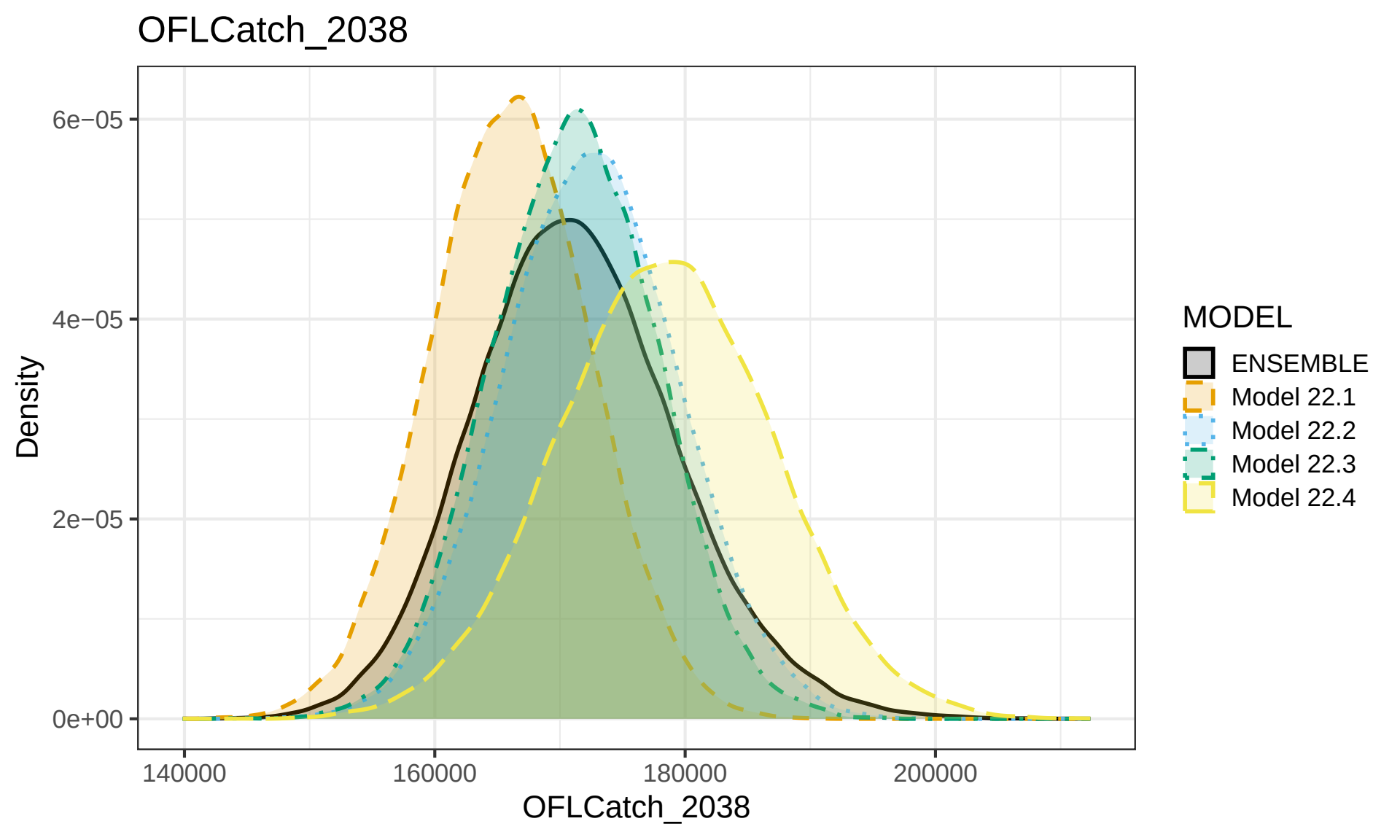
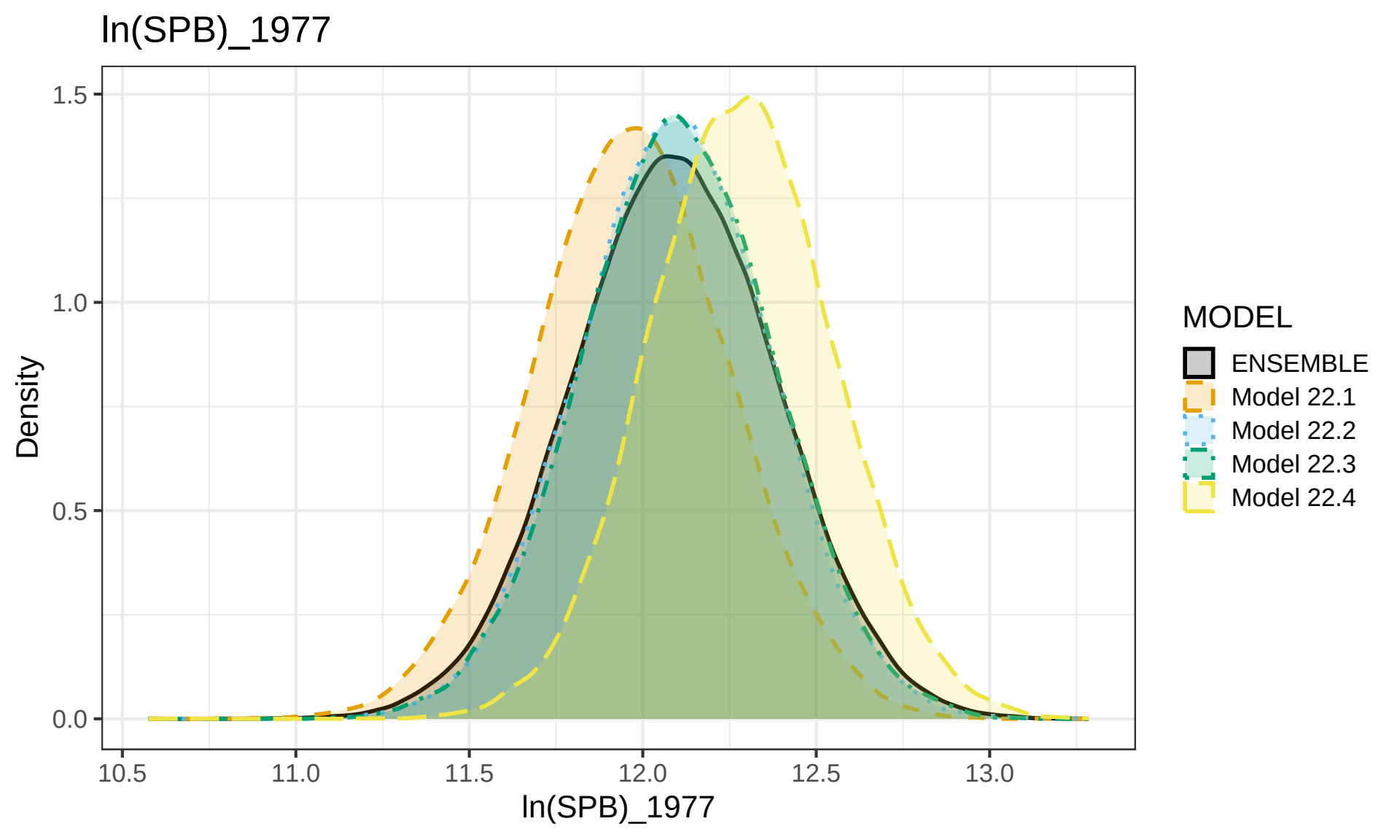
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2034
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

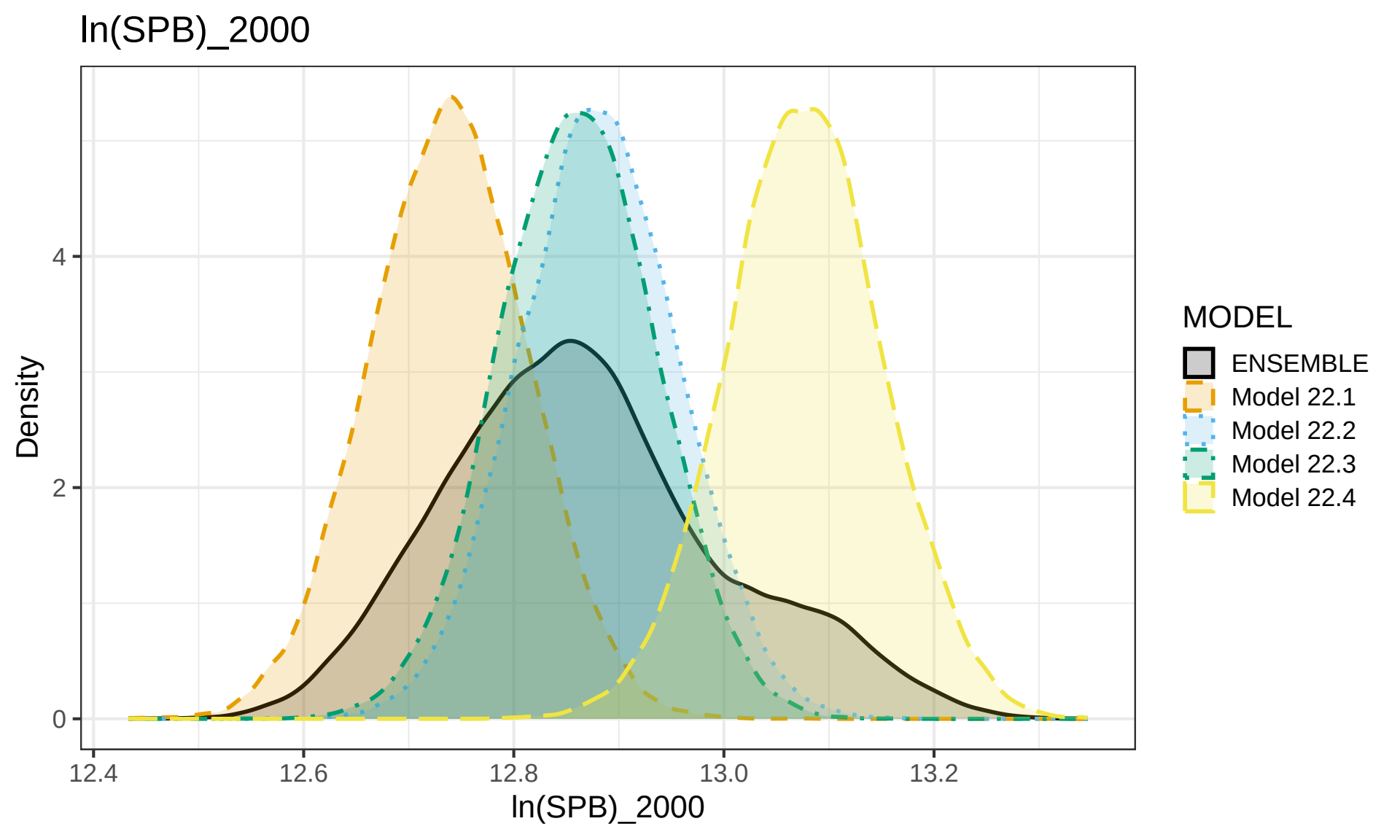

OFLCatch_2035
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2035
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

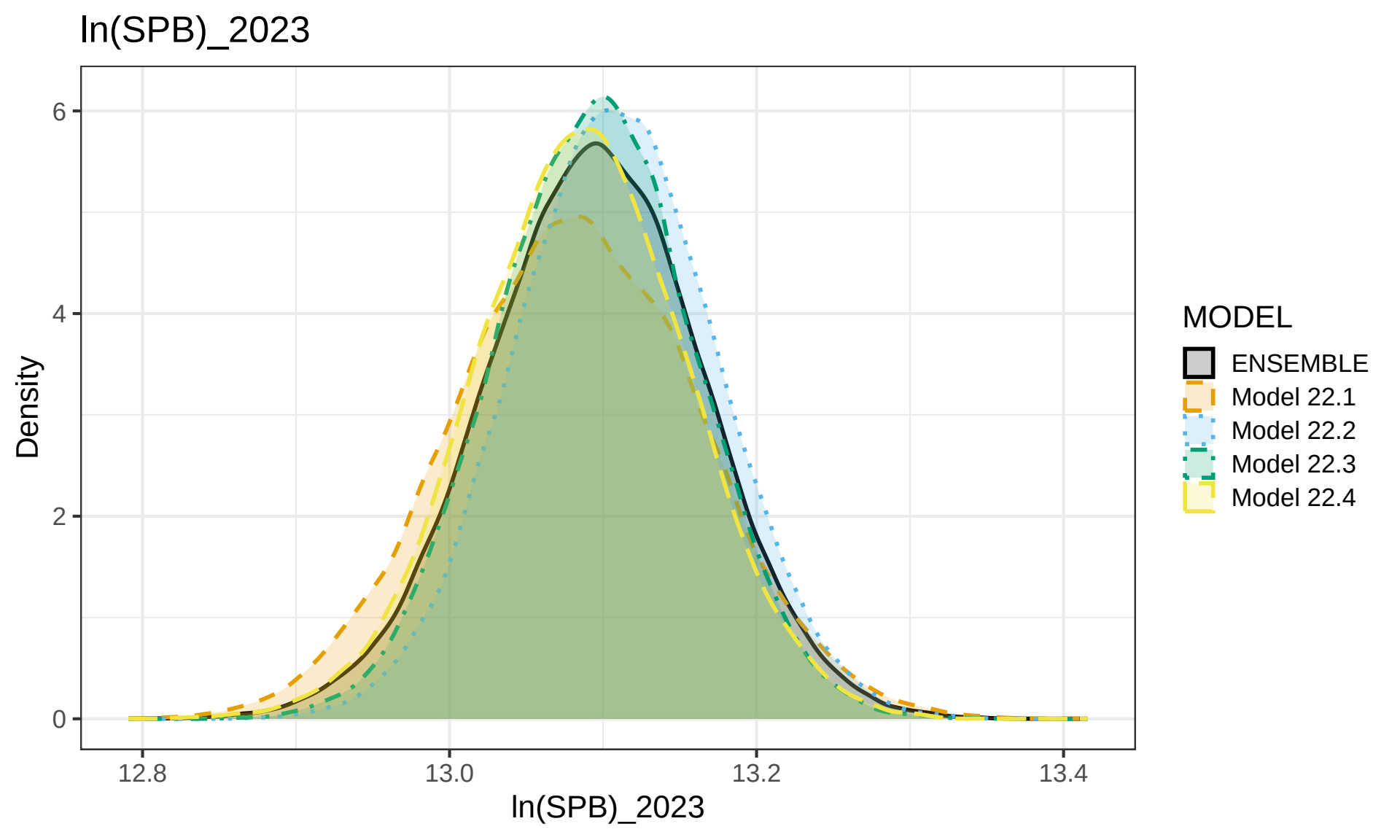

OFLCatch_2036
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2036
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

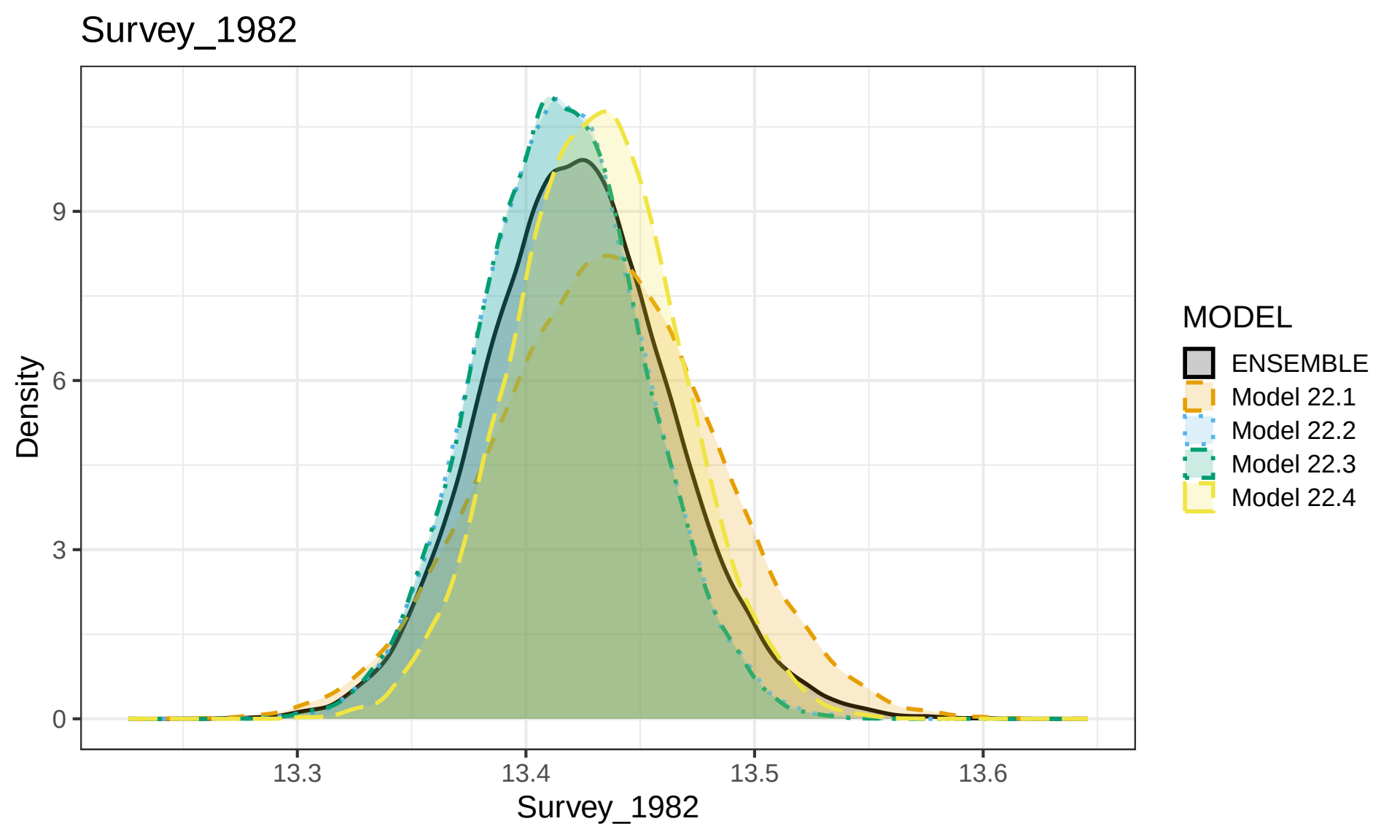

OFLCatch_2037
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2037
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

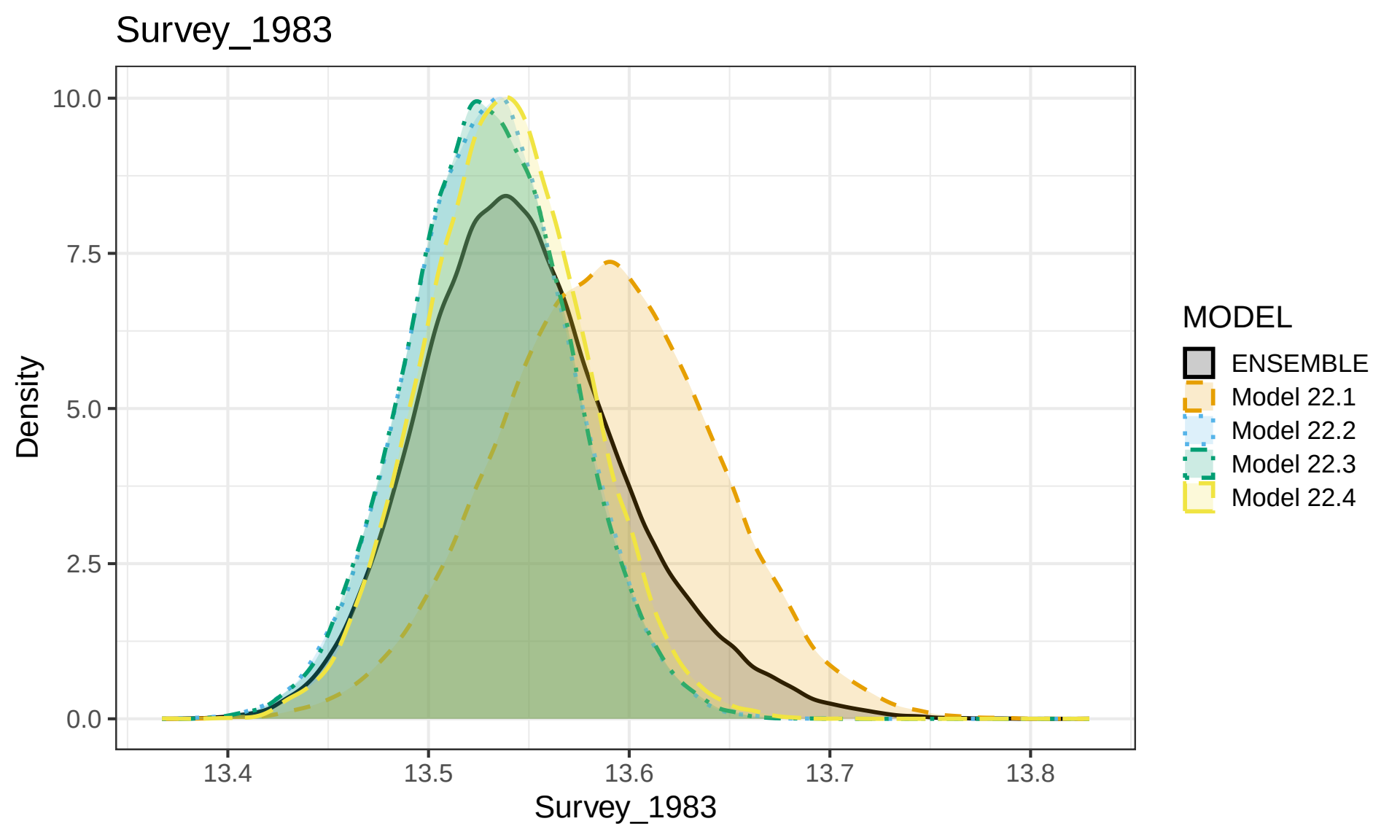

OFLCatch_2038
6e−05
4e−05
2e−05
0e+00
Density
140000
160000
180000
200000
OFLCatch_2038
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

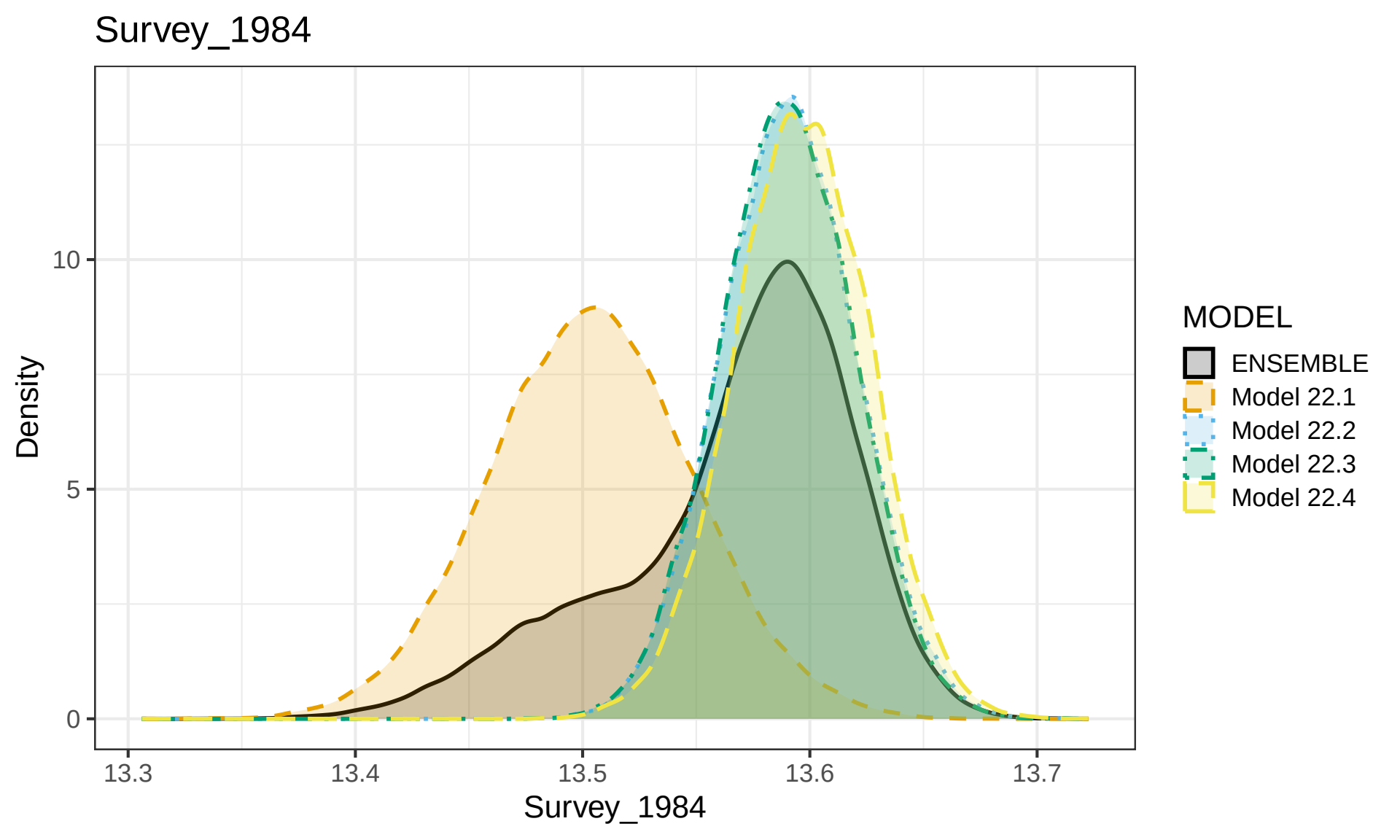

ln(SPB)_1977
1.5
1.0
0.5
0.0
Density
10.5
11.0
11.5
12.0
12.5
13.0
ln(SPB)_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

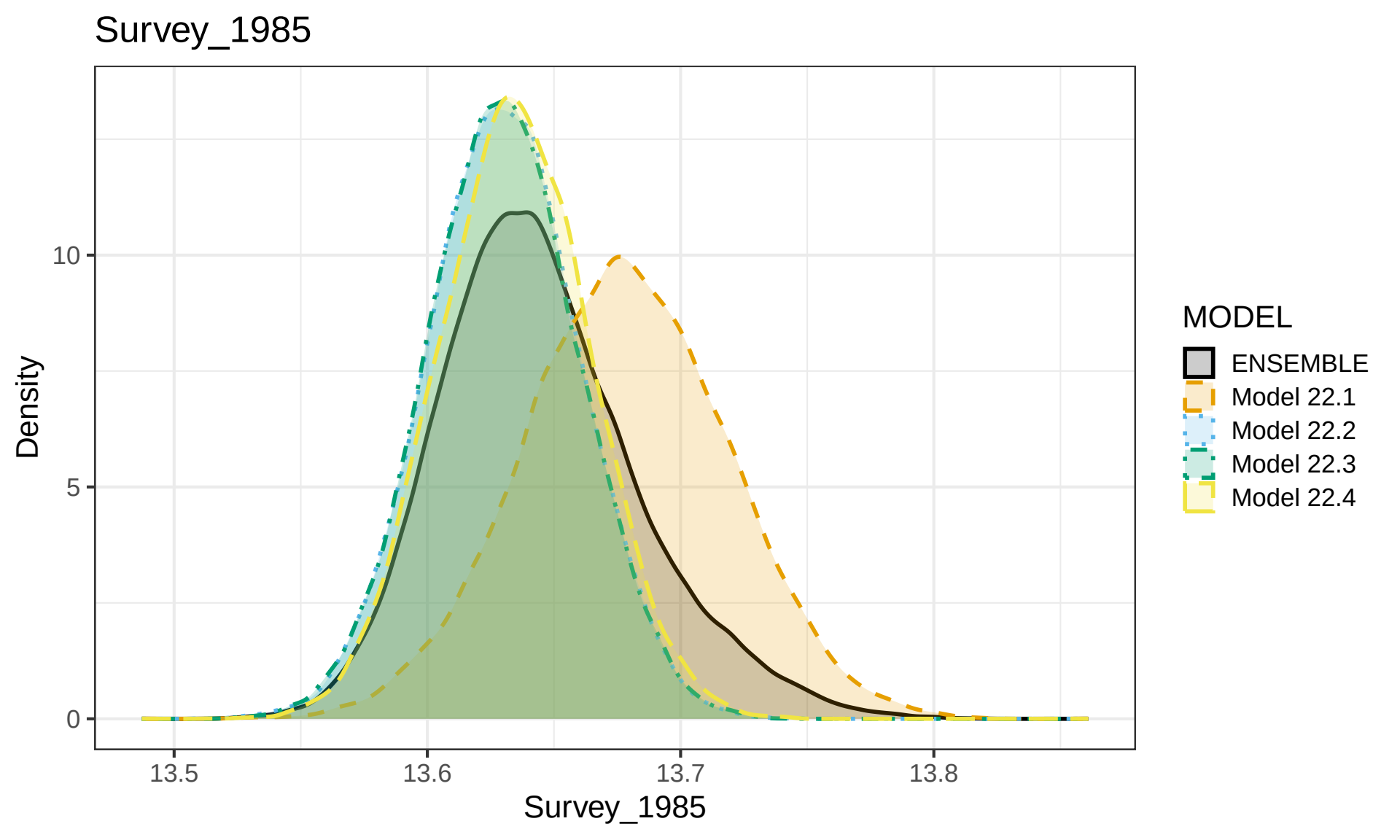

ln(SPB)_2000
Density
4
2
0
12.4
12.6
12.8
13.0
13.2
ln(SPB)_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


ln(SPB)_2023
Density
6
4
2
0
12.8
13.0
13.2
13.4
ln(SPB)_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1982
Density
9
6
3
0
13.3
13.4
13.5
13.6
Survey_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1983
10.0
7.5
5.0
2.5
0.0
Density
13.4
13.5
13.6
13.7
13.8
Survey_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1984
Density
10
5
0
13.3
13.4
13.5
13.6
13.7
Survey_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1985
Density
10
5
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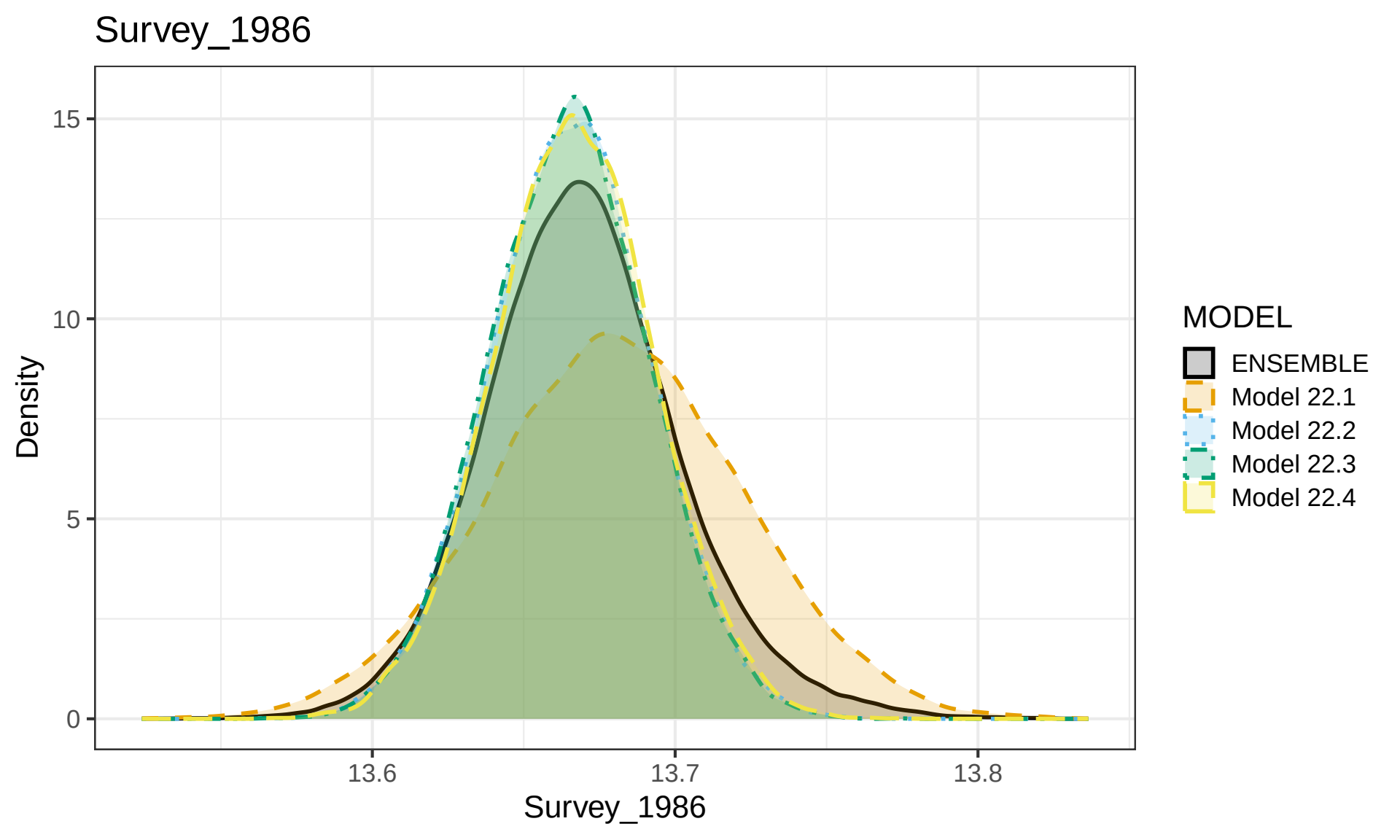
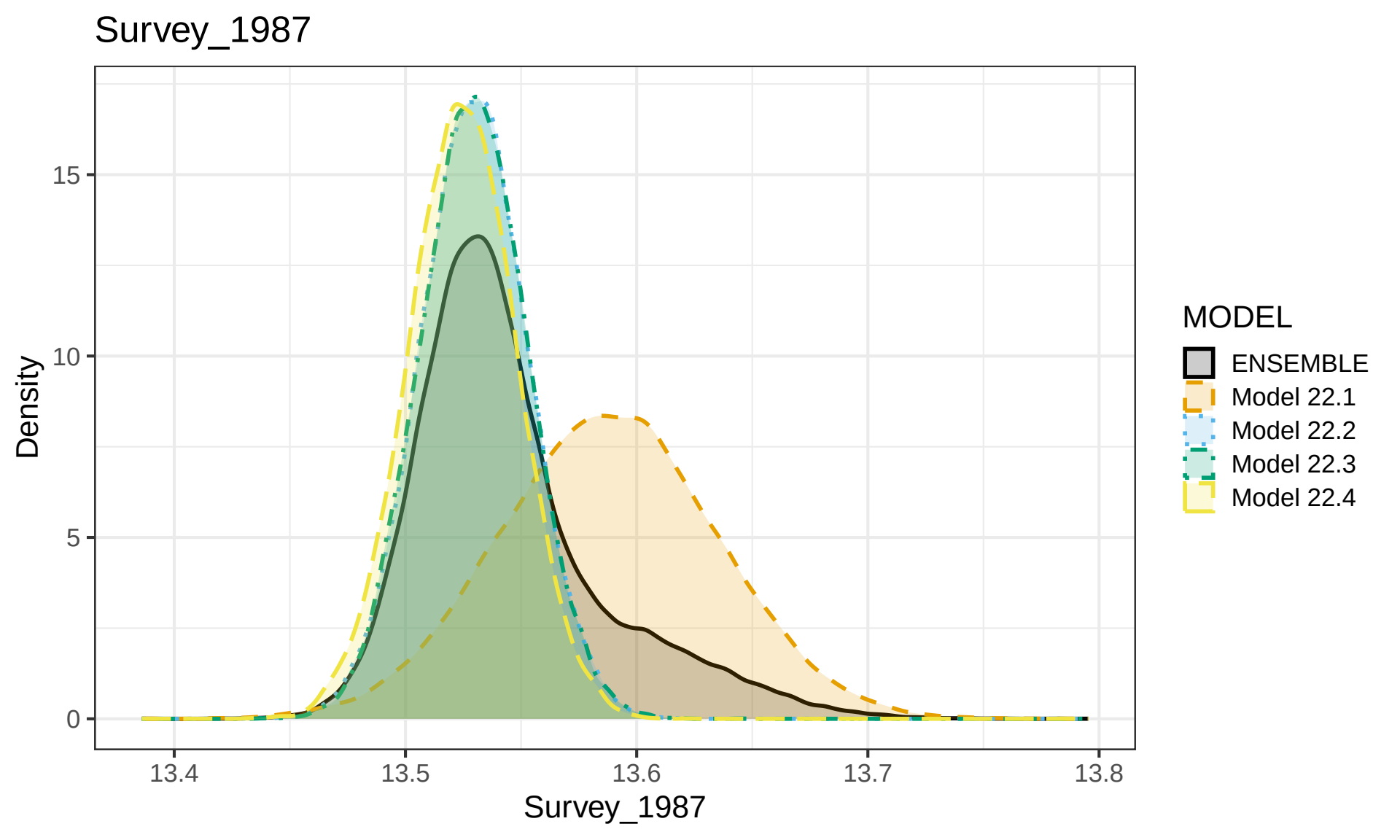
13.5
13.6
13.7
13.8
Survey_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1986
15
10
5
0
Density
13.6
13.7
13.8
Survey_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1987
Density
15
10
5
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13.4
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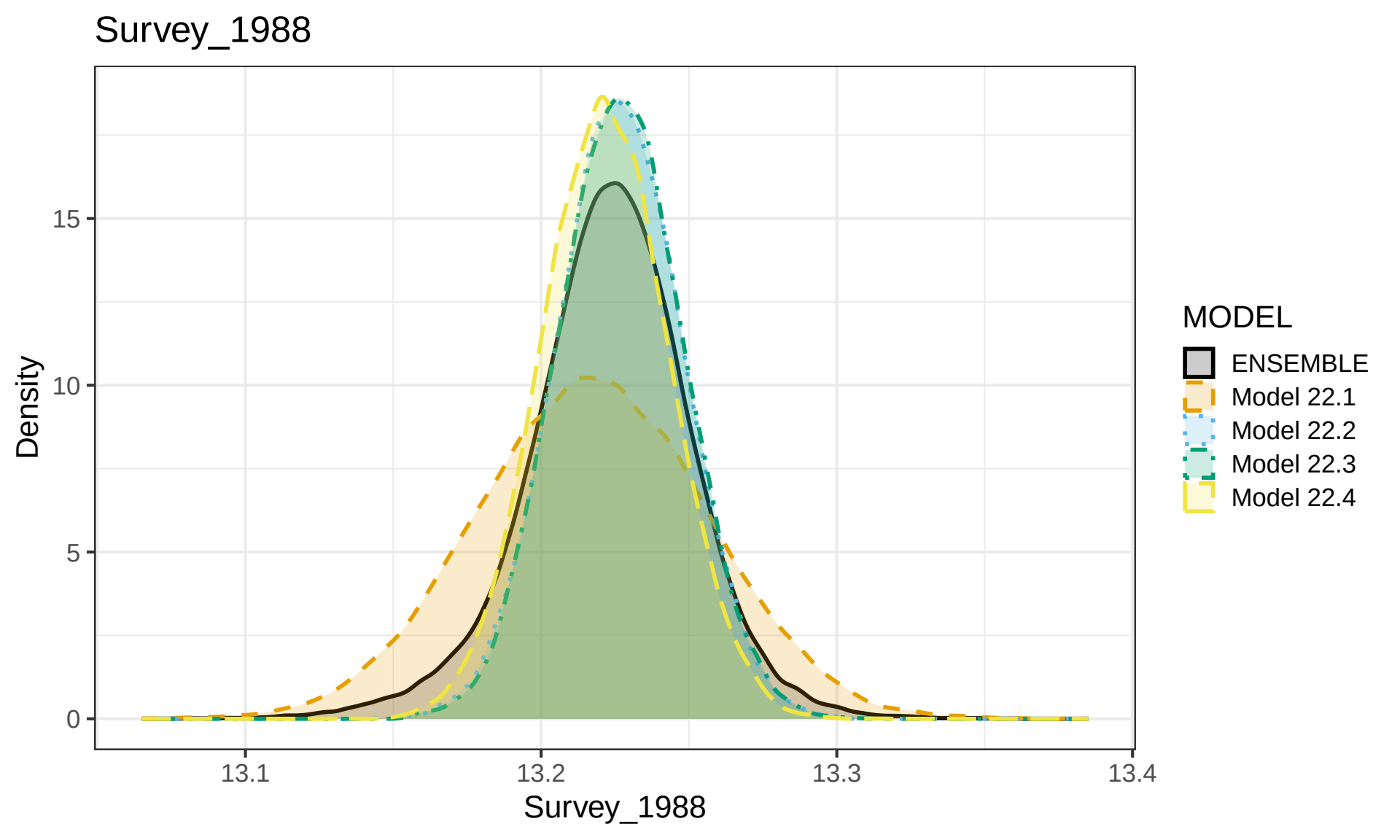
13.7
13.8
Survey_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1988
Density
15
10
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13.3
13.4
Survey_1988
MODEL
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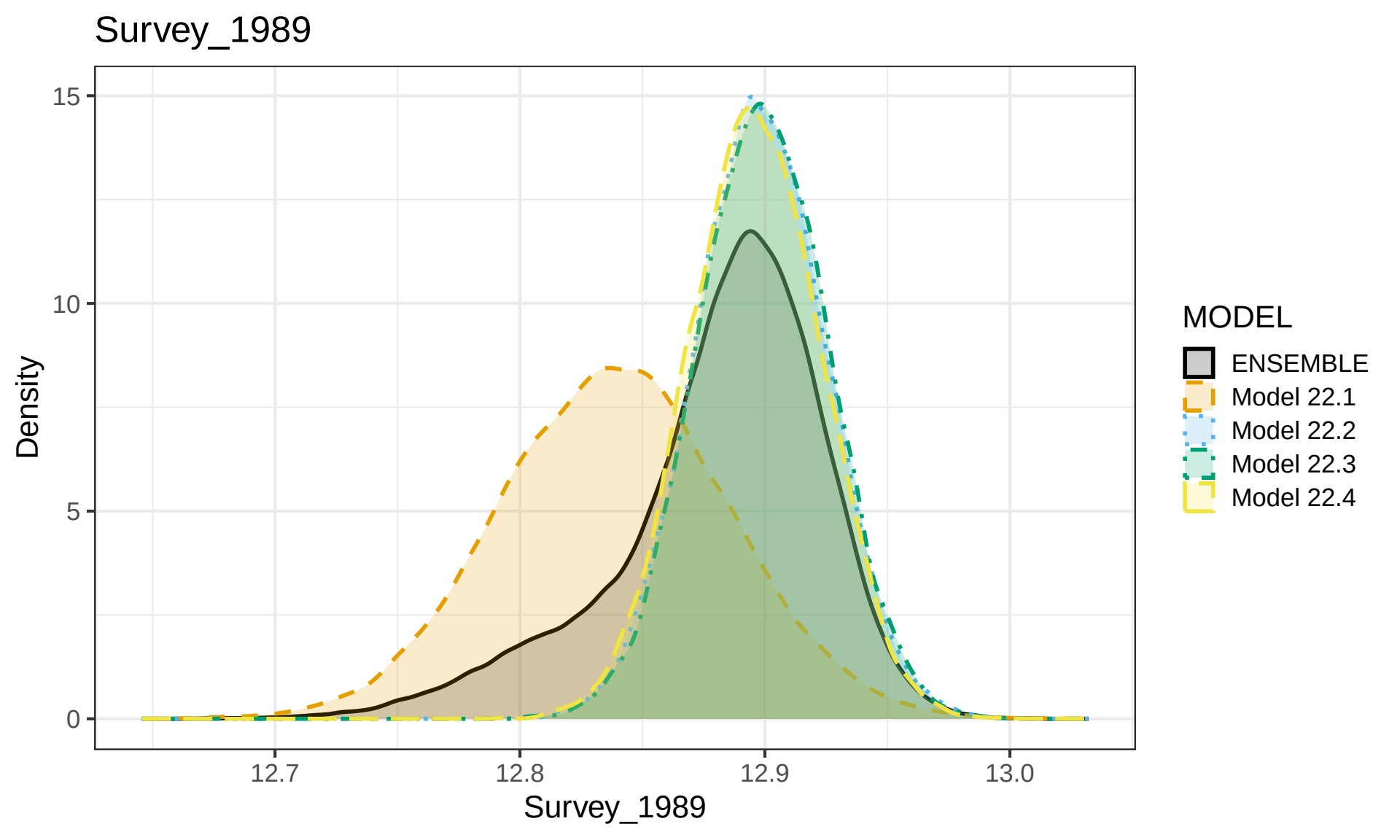
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1989
15
10
5
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Density
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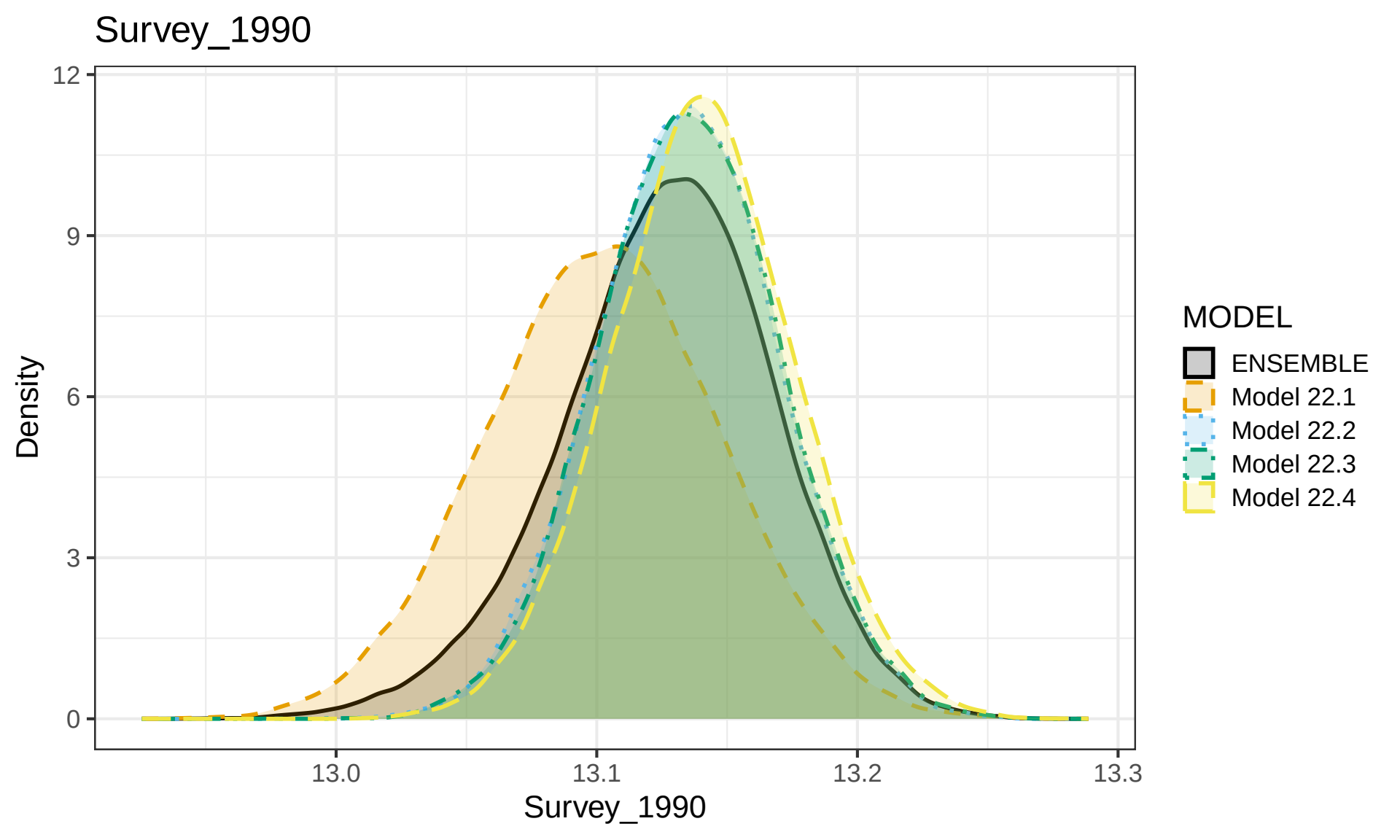
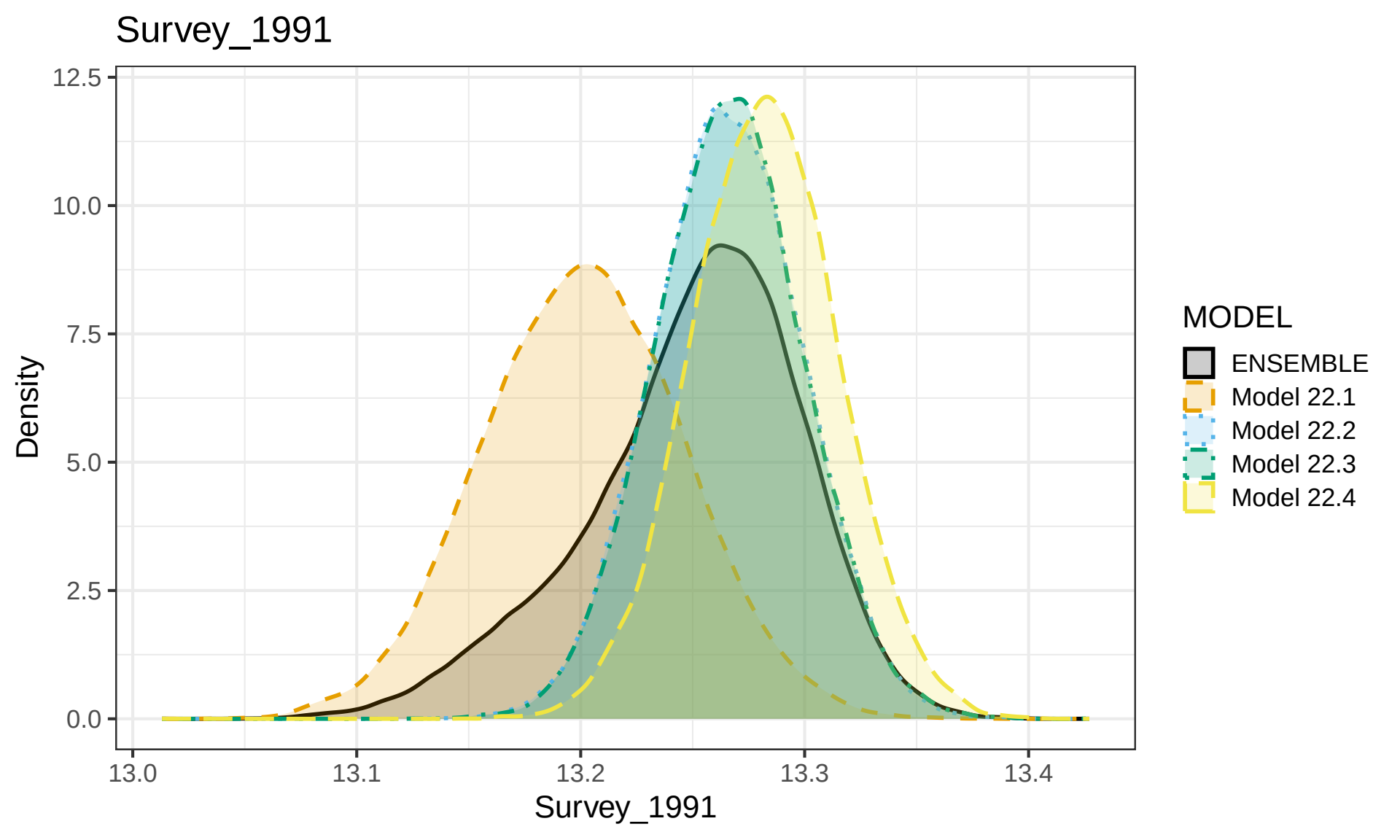
12.8
12.9
13.0
Survey_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1990
12
9
6
3
0
Density
13.0
13.1
13.2
13.3
Survey_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1991
12.5
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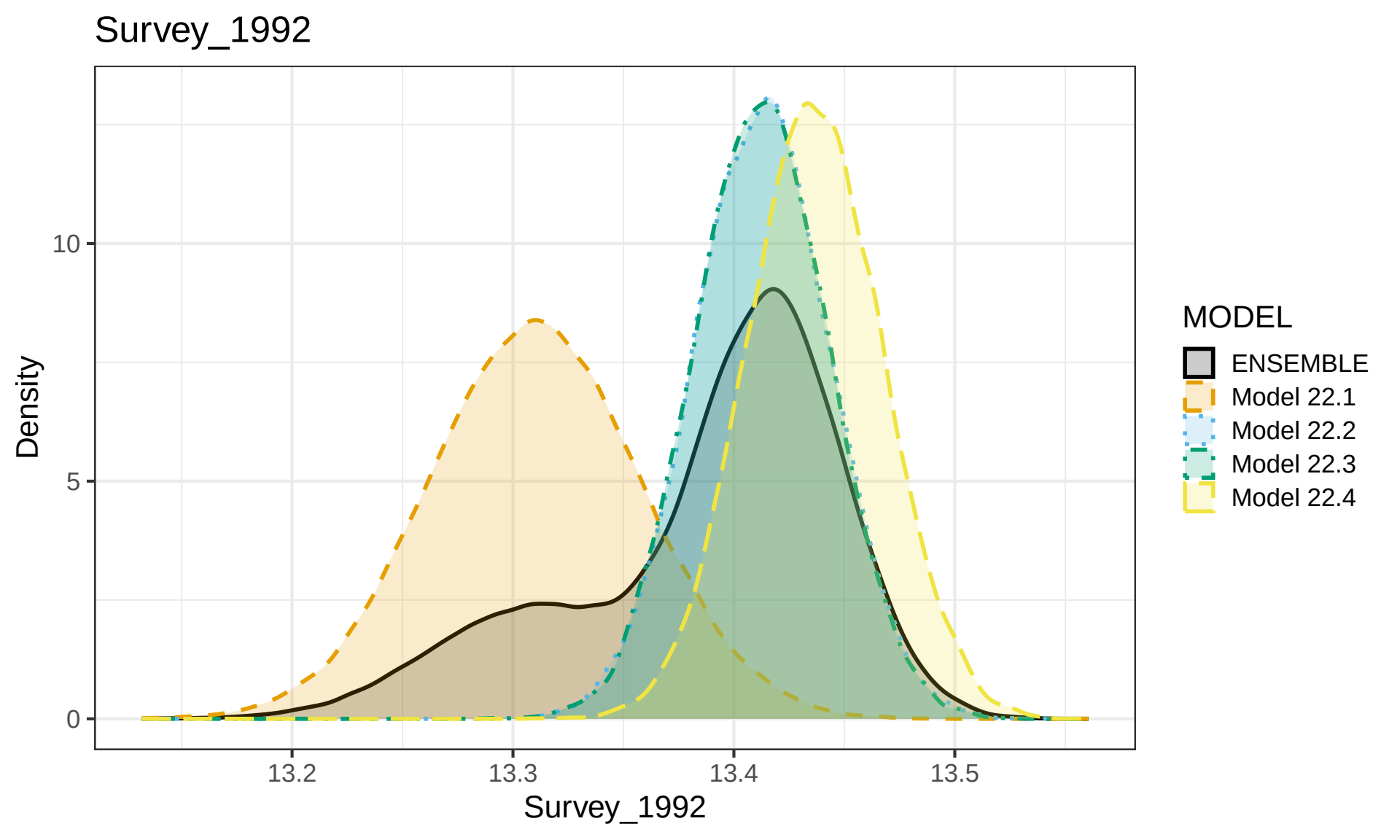
7.5
5.0
2.5
0.0
Density
13.0
13.1
13.2
13.3
13.4
Survey_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1992
Density
10
5
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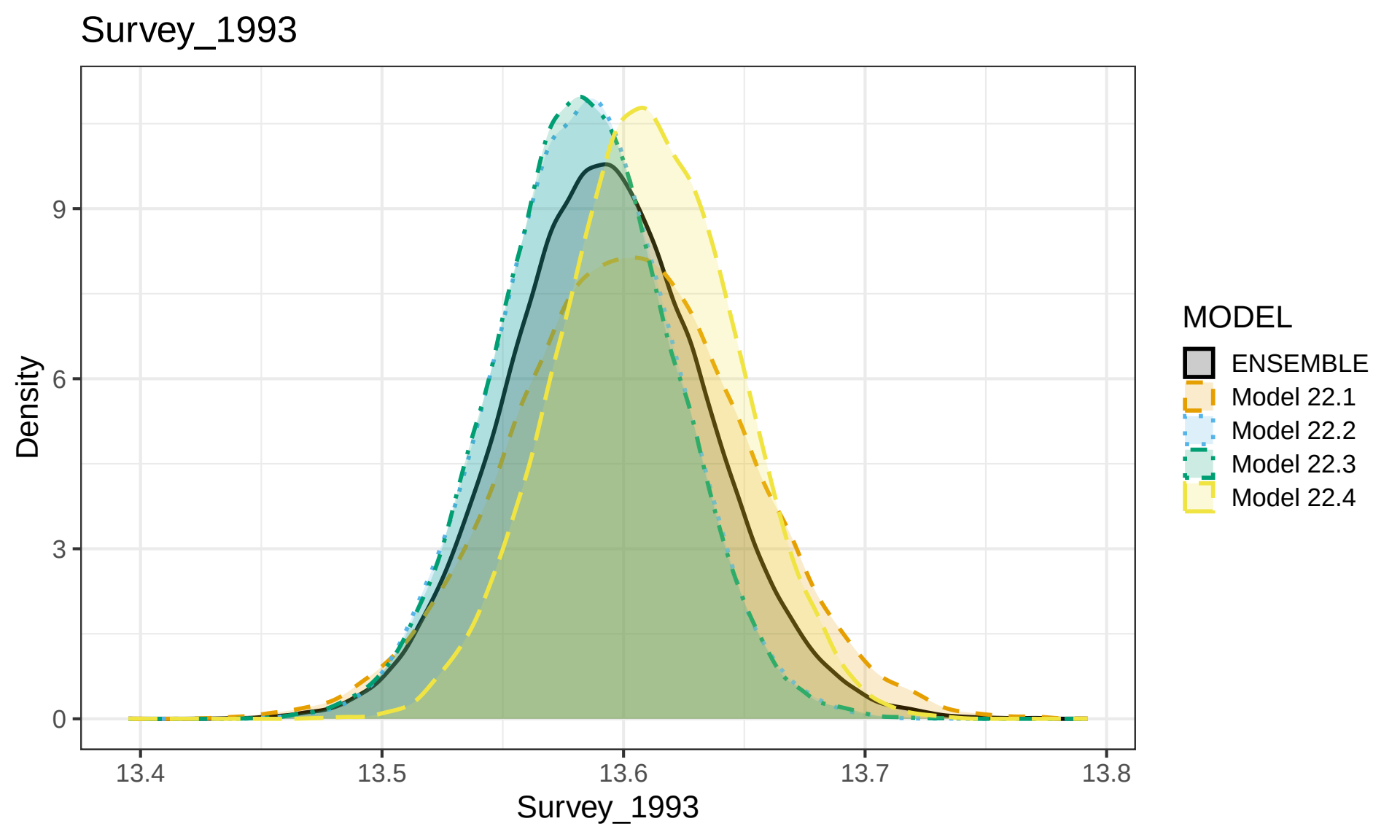
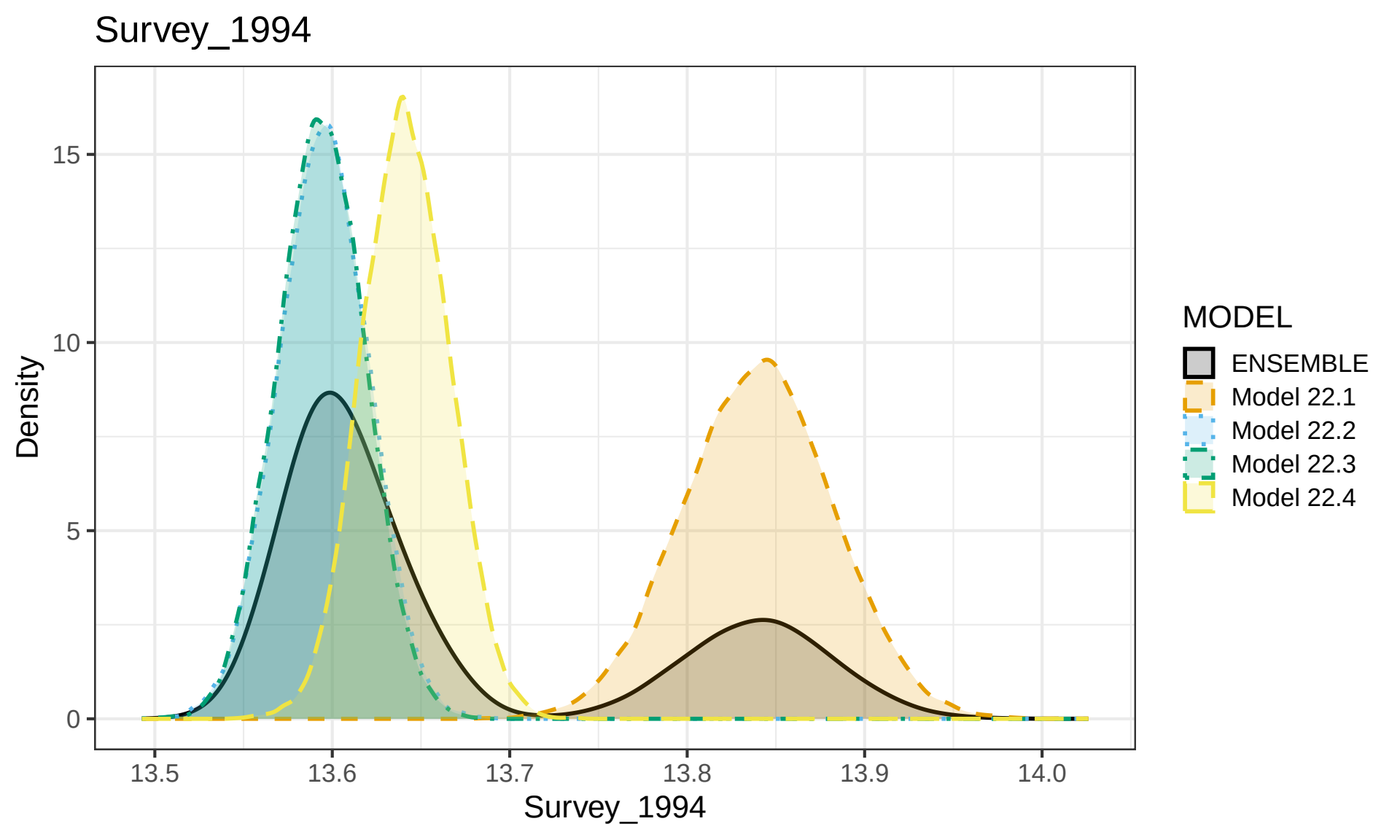
13.2
13.3
13.4
13.5
Survey_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1993
Density
0
3
6
9
13.4
13.5
13.6
13.7
13.8
Survey_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1994
Density
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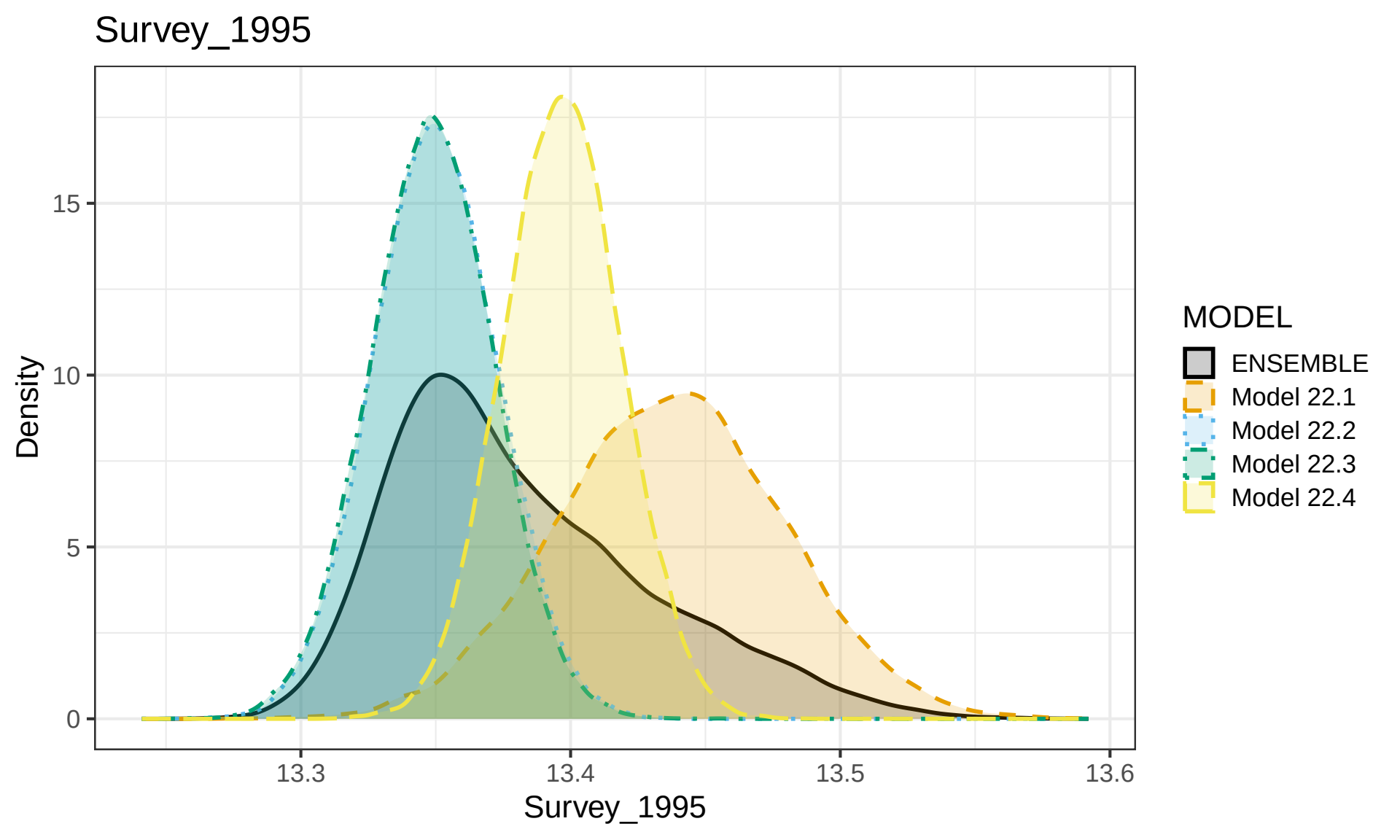
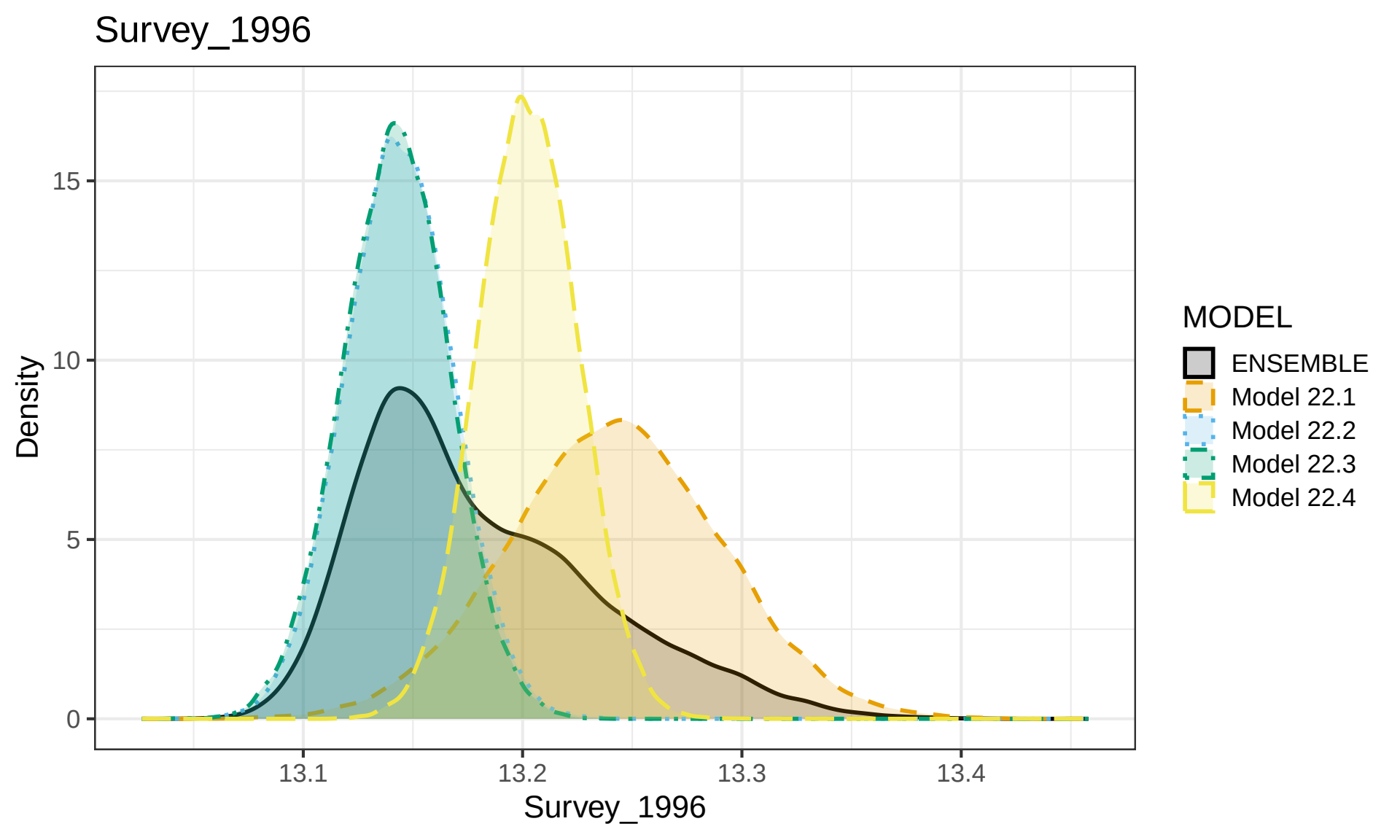
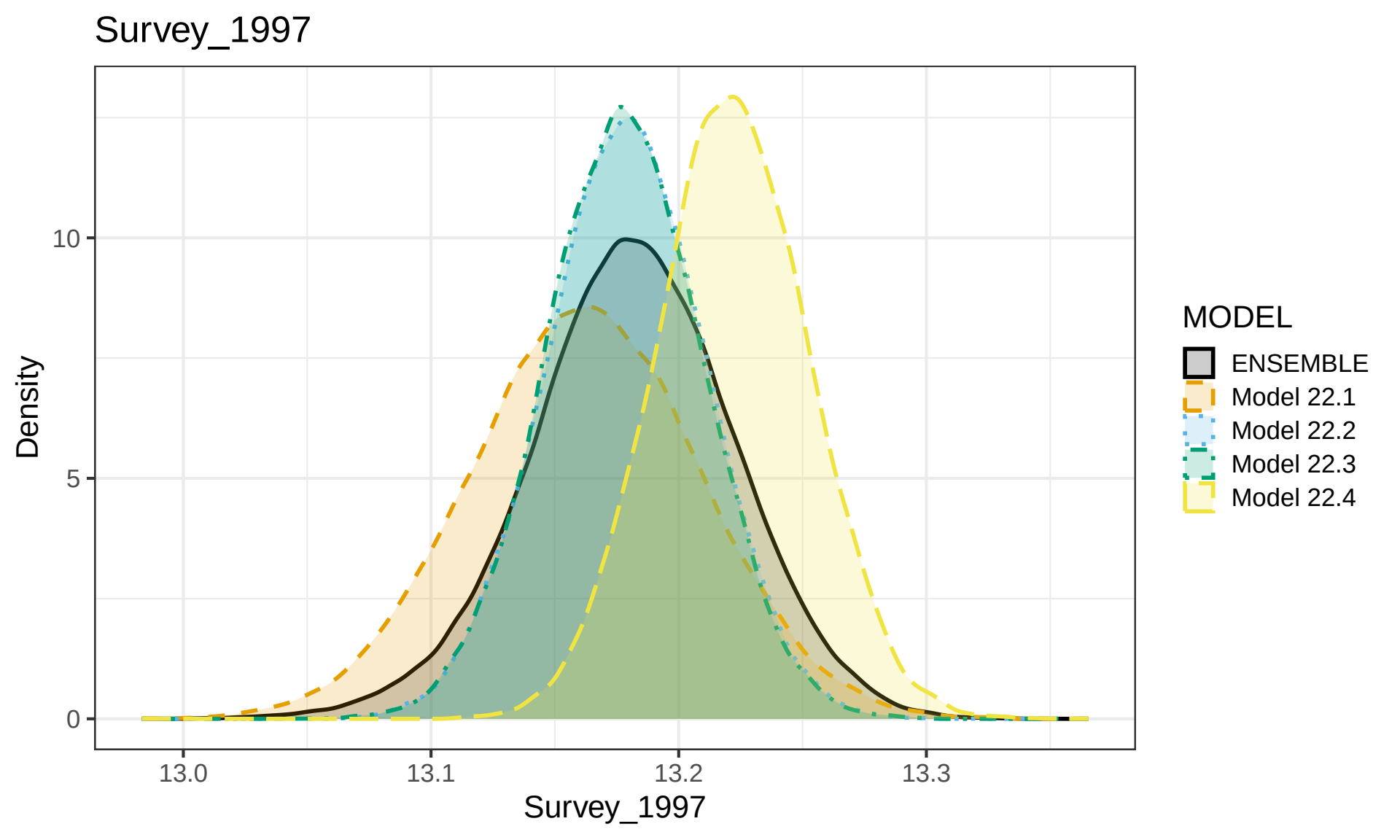
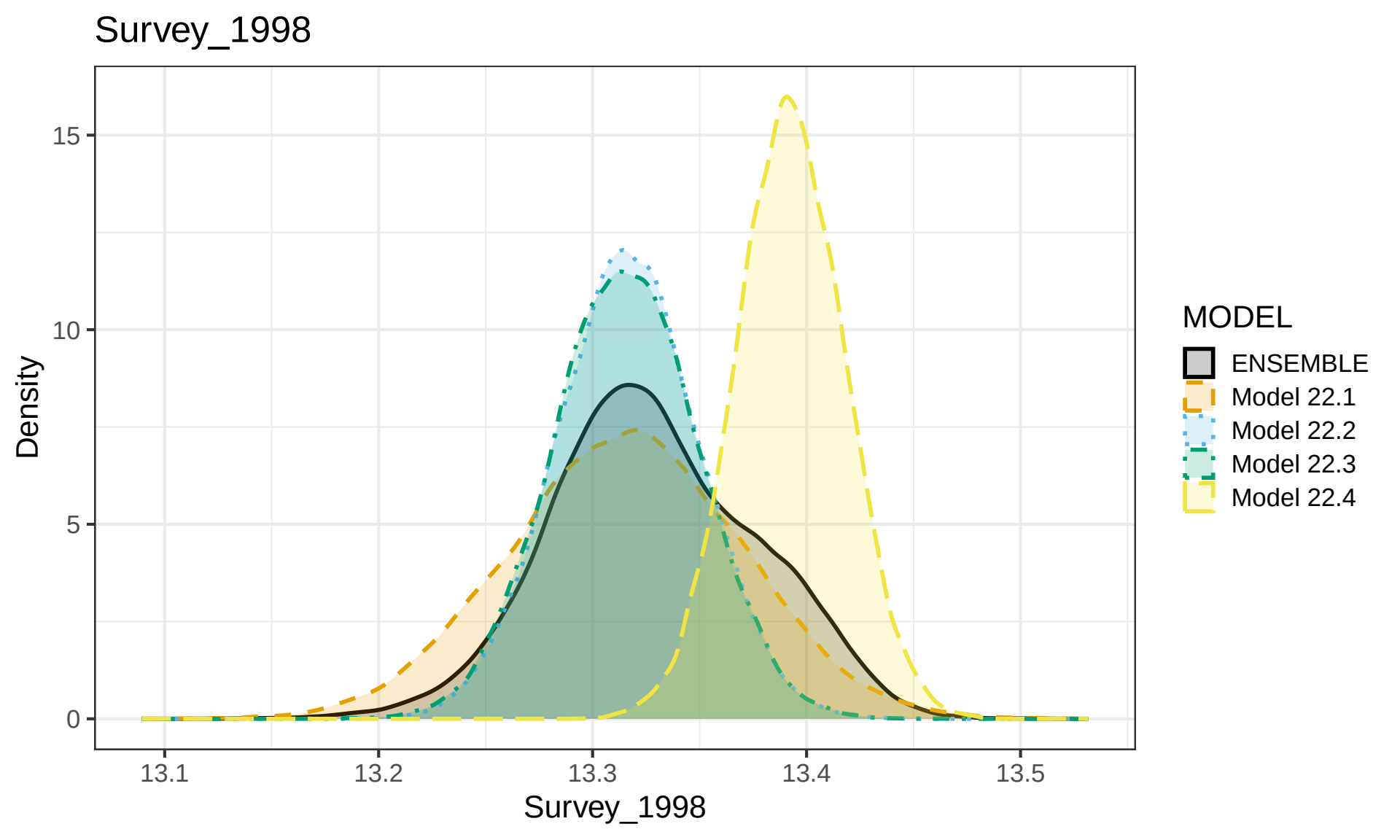
13.5
13.6
13.7
13.8
13.9
14.0
Survey_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1995
Density
15
10
5
0
13.3
13.4
13.5
13.6
Survey_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1996
Density
15
10
5
0
13.1
13.2
13.3
13.4
Survey_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1997
Density
10
5
0
13.0
13.1
13.2
13.3
Survey_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Survey_1998
15
10
5
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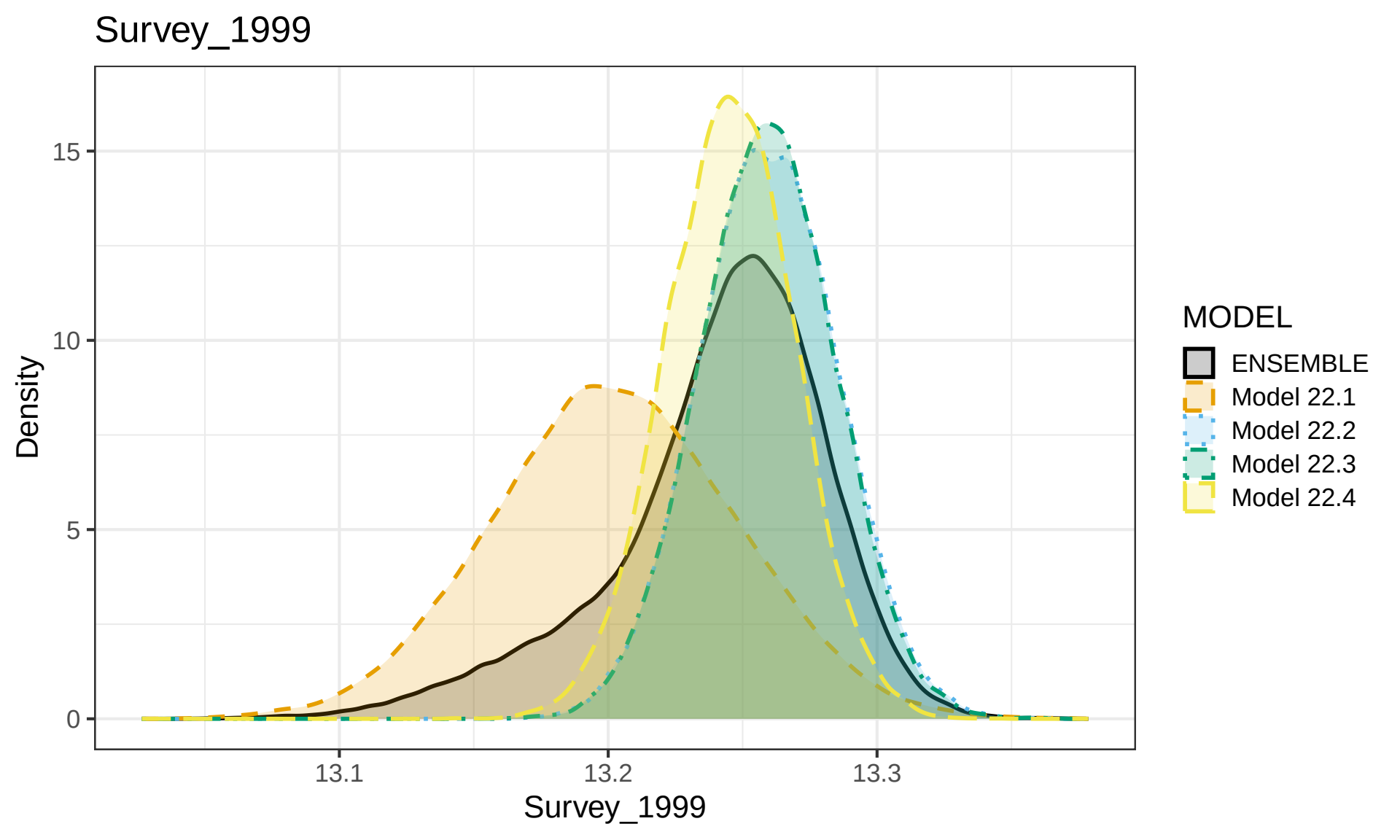
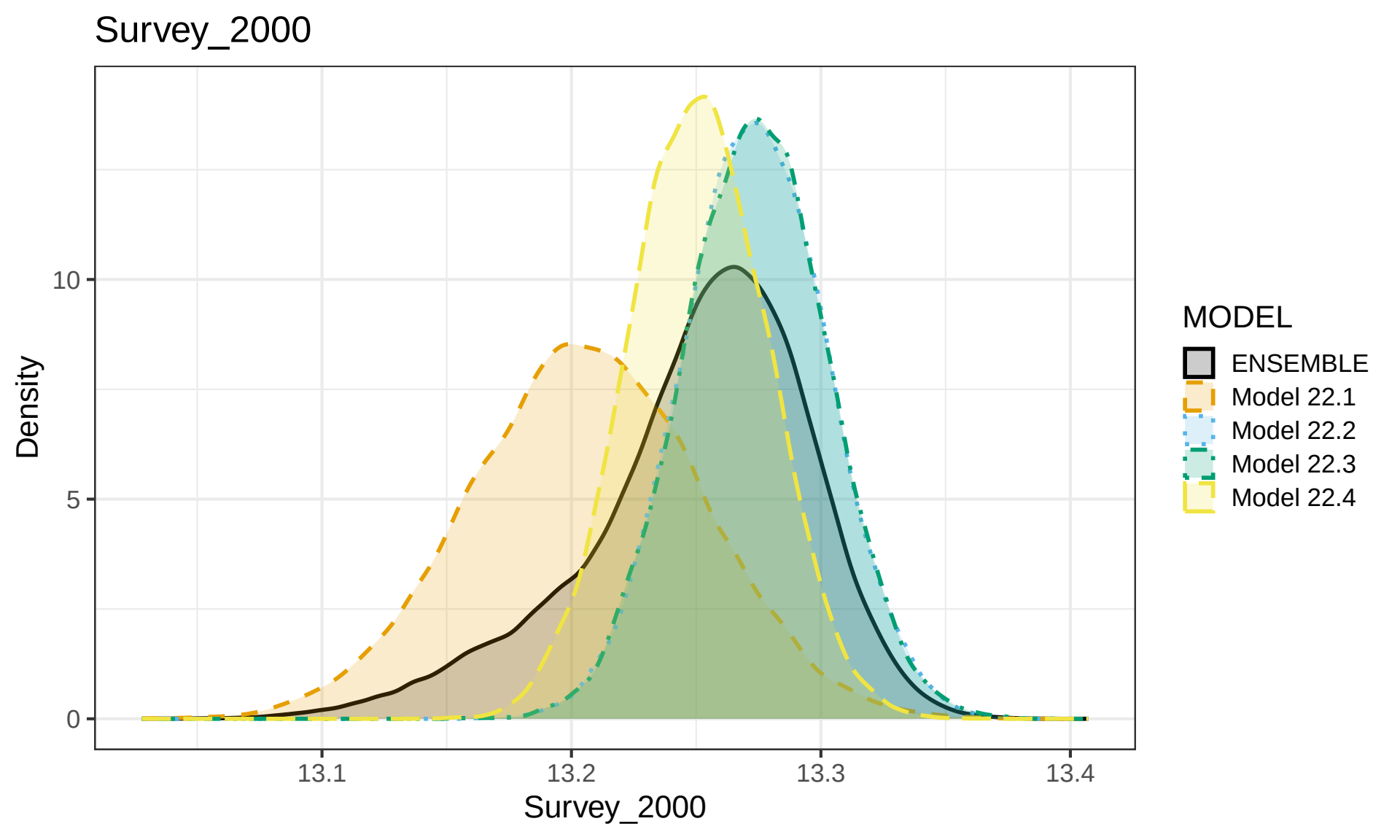
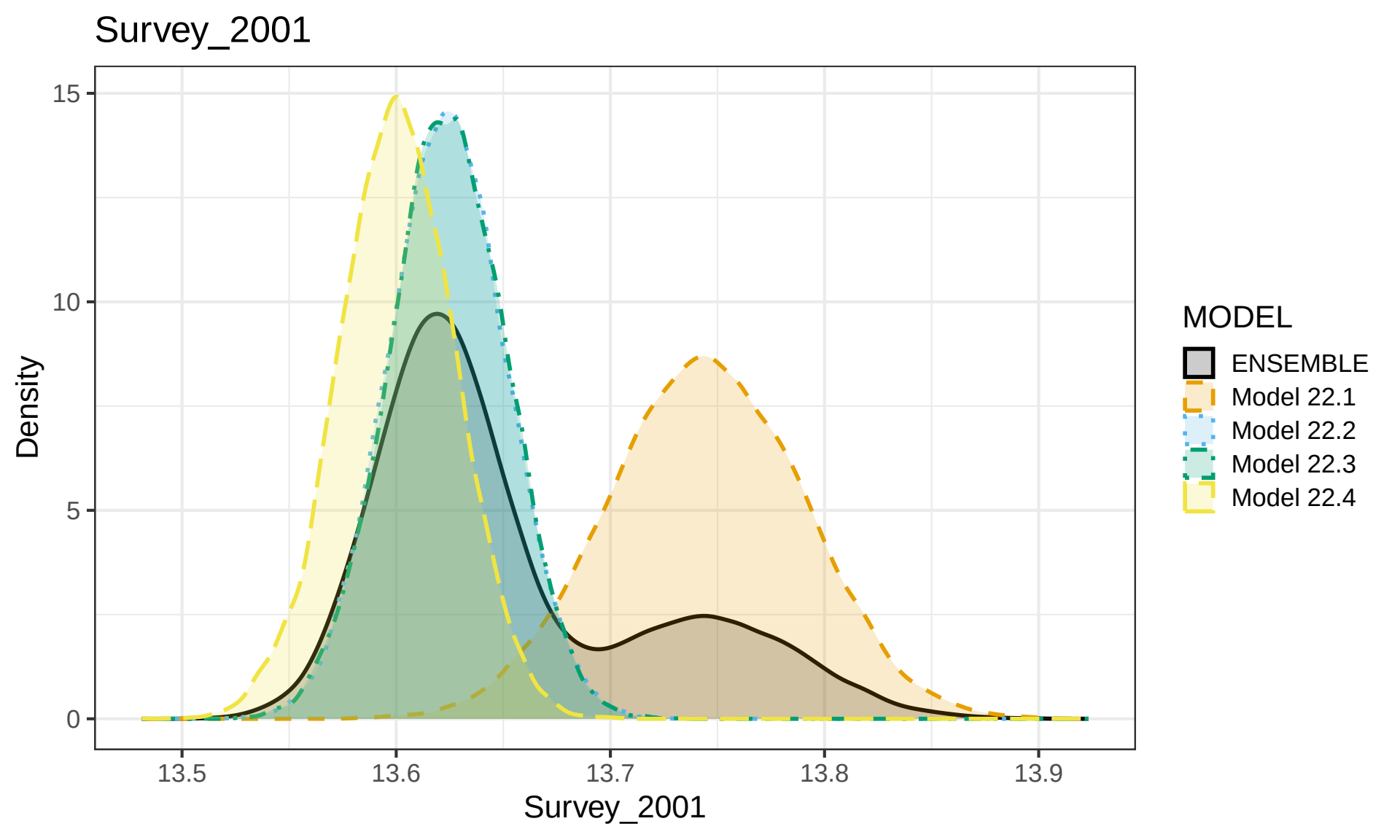
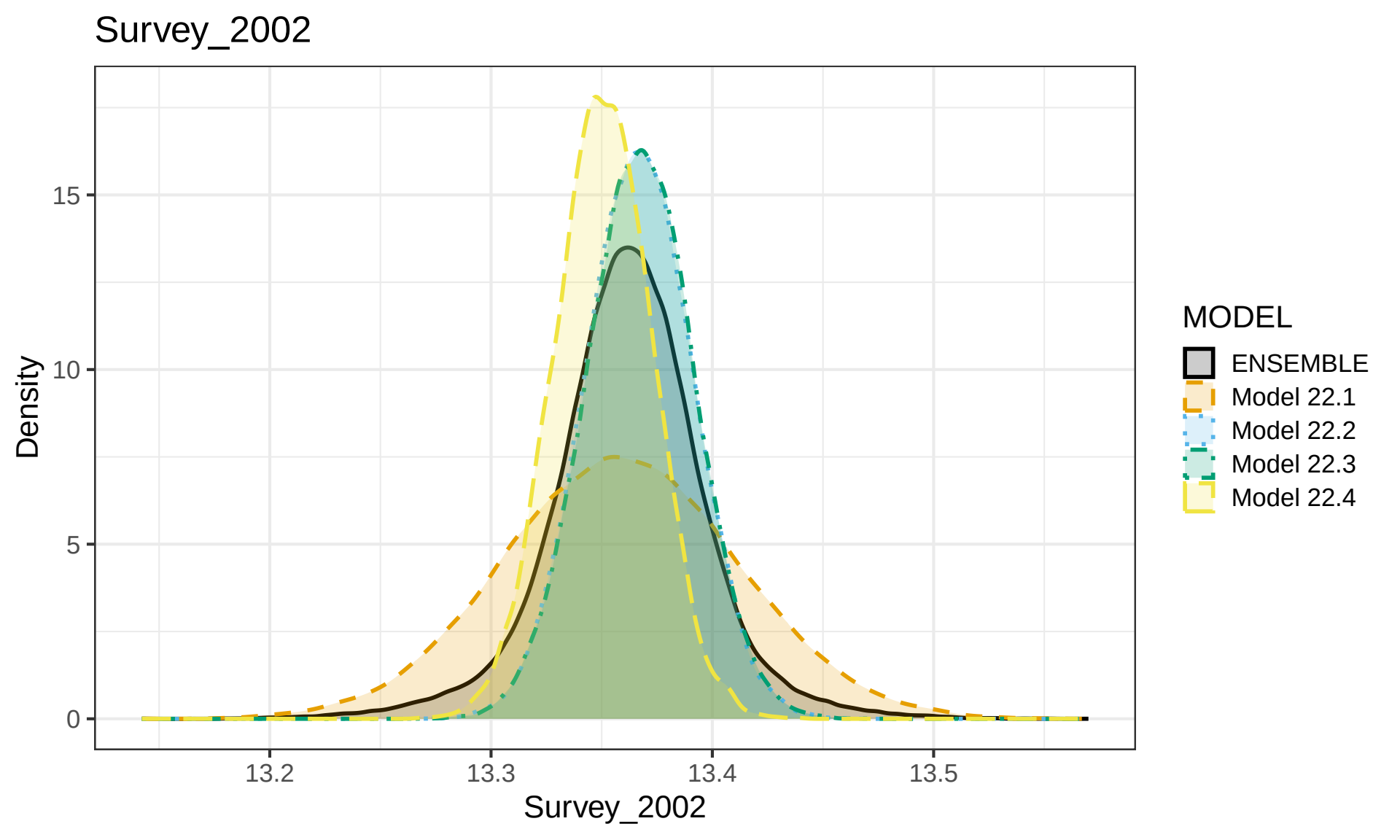
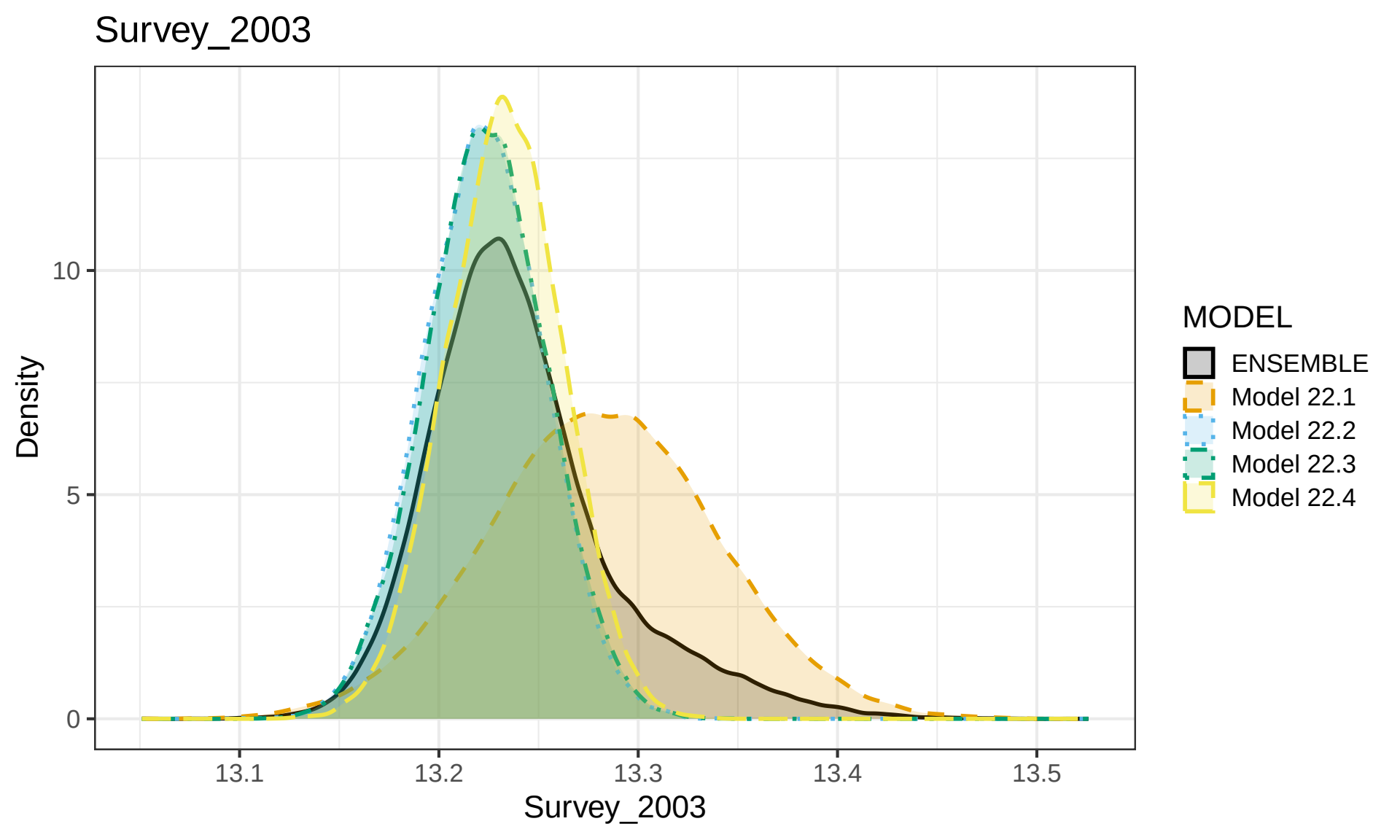
Density
13.1
13.2
13.3
13.4
13.5
Survey_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

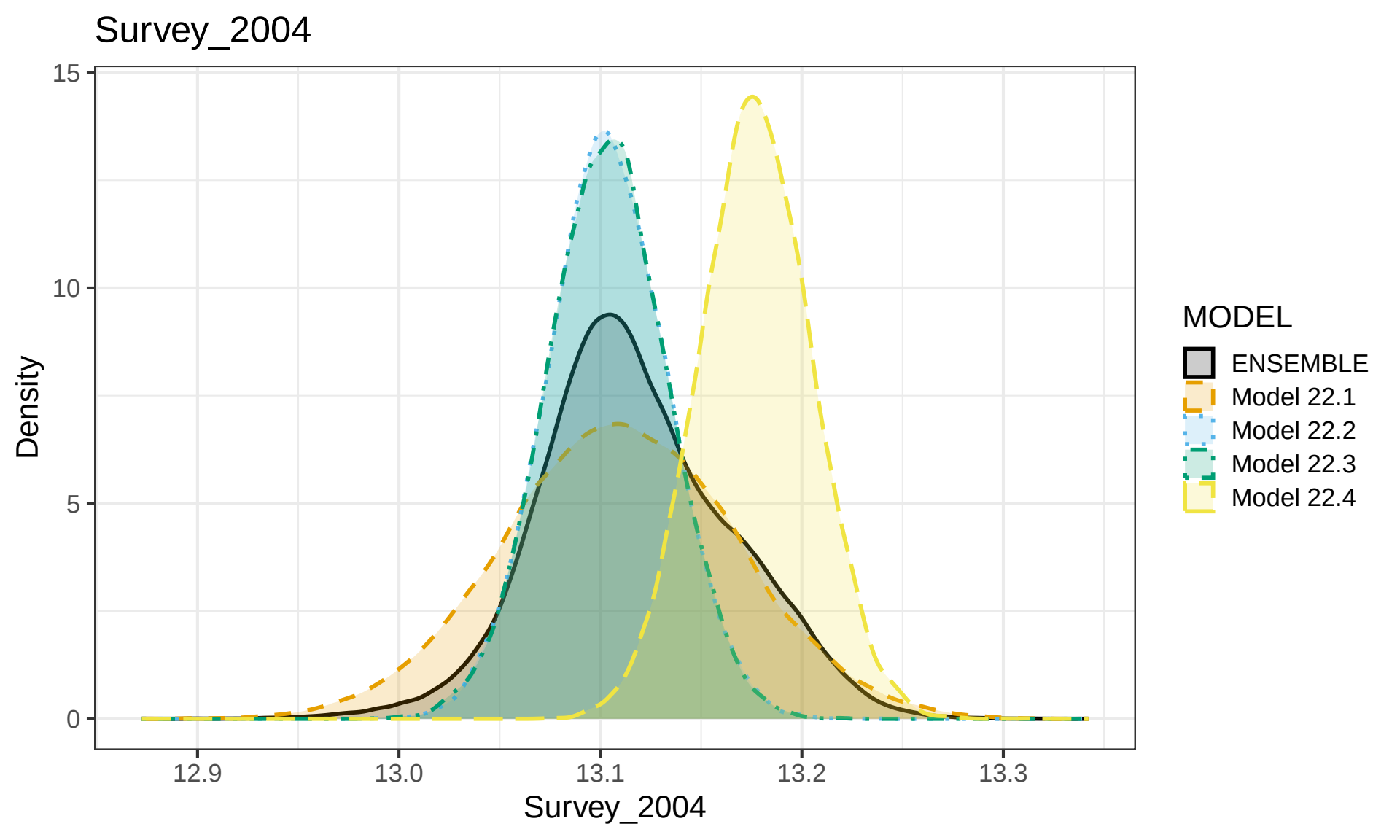

Survey_1999
15
10
5
0
Density
13.1
13.2
13.3
Survey_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

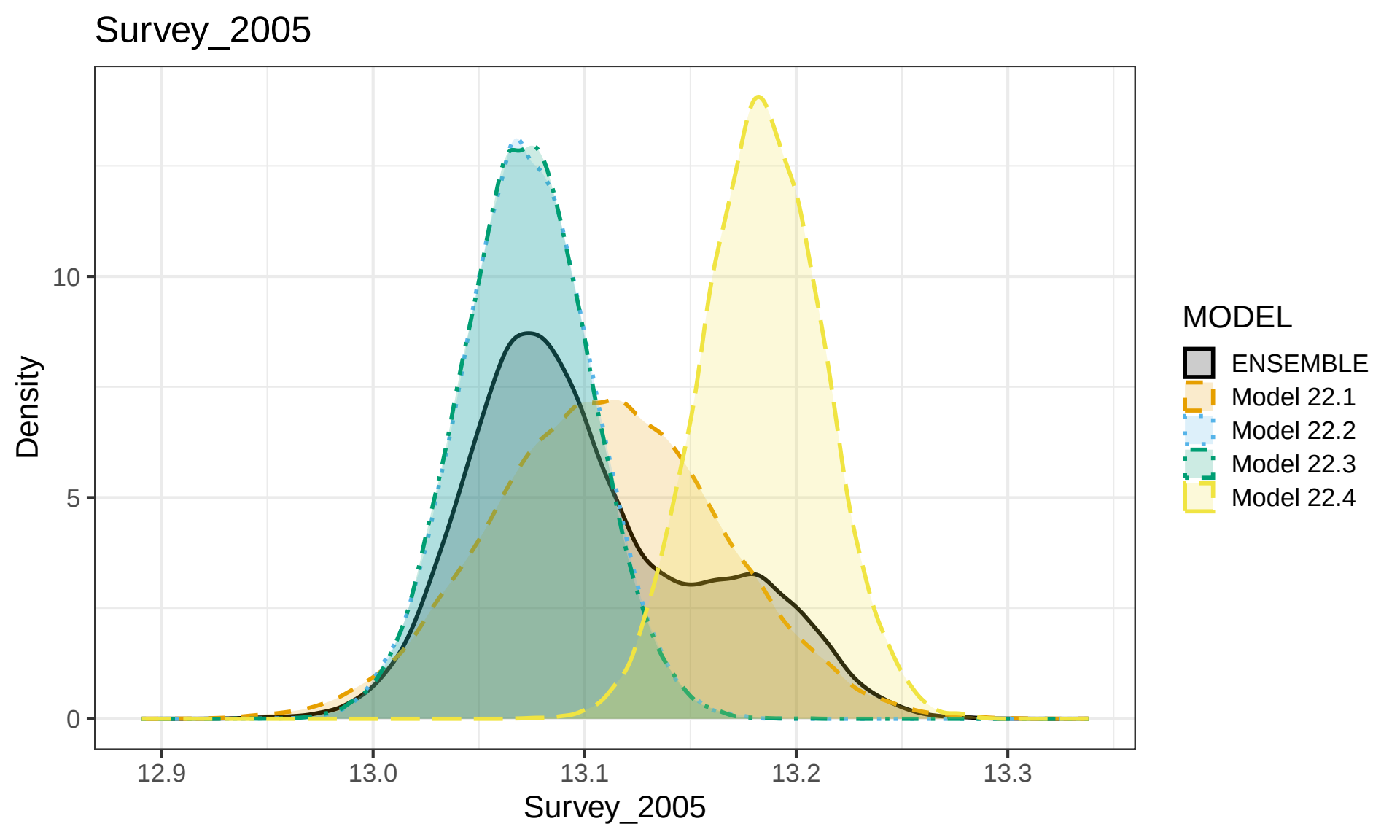

Survey_2000
Density
10
5
0
13.1
13.2
13.3
13.4
Survey_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

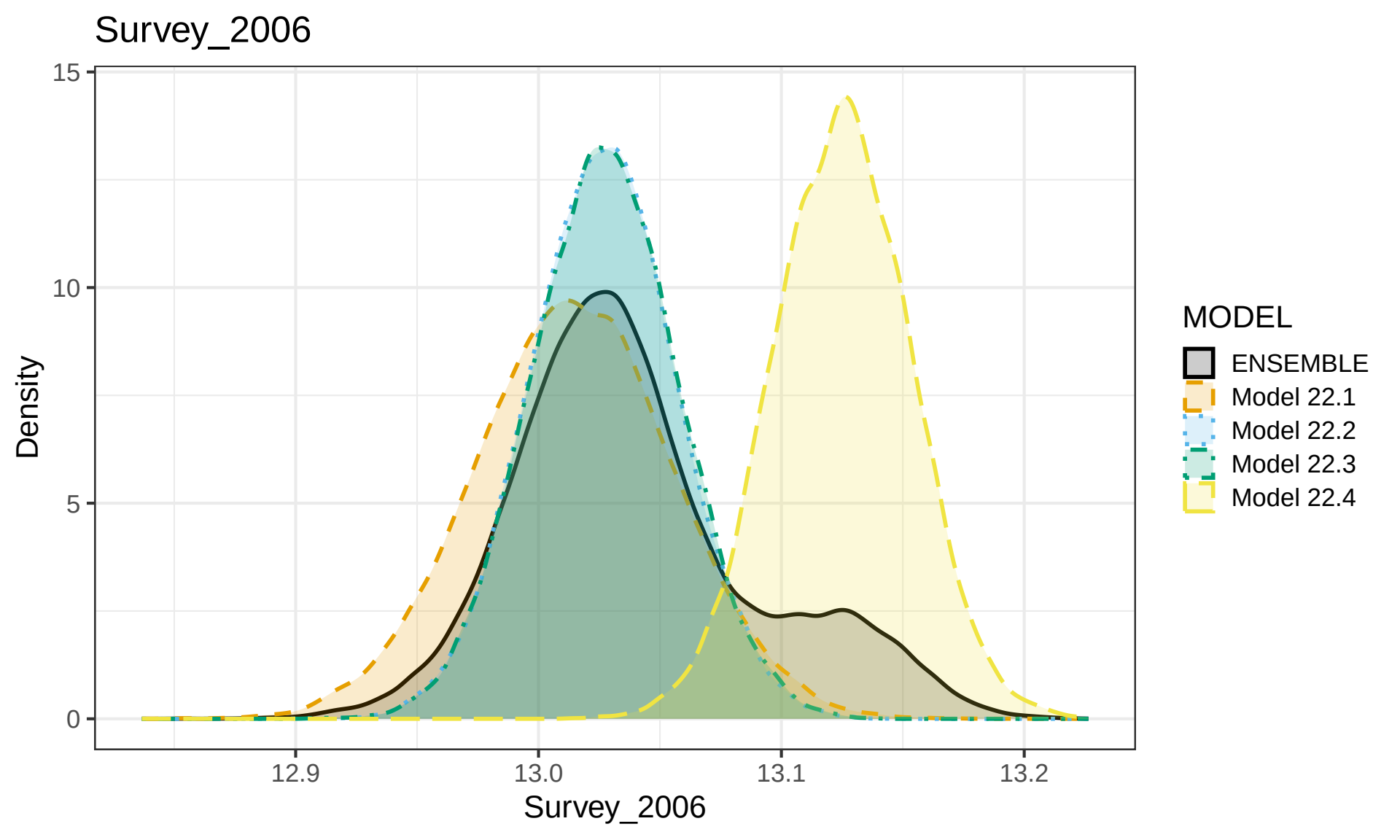

Survey_2001
15
10
5
0
Density
13.5
13.6
13.7
13.8
13.9
Survey_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

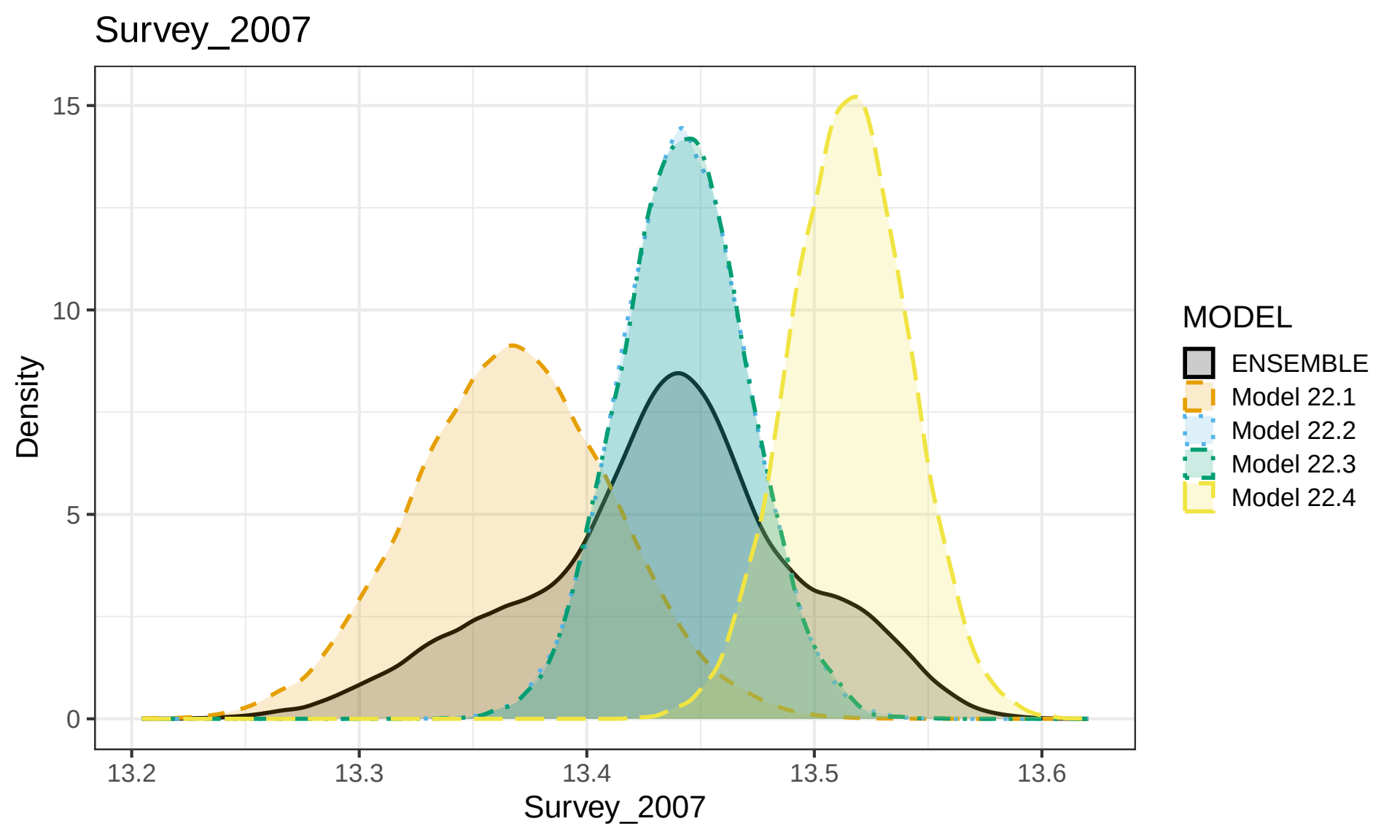

Survey_2002
Density
15
10
5
0
13.2
13.3
13.4
13.5
Survey_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

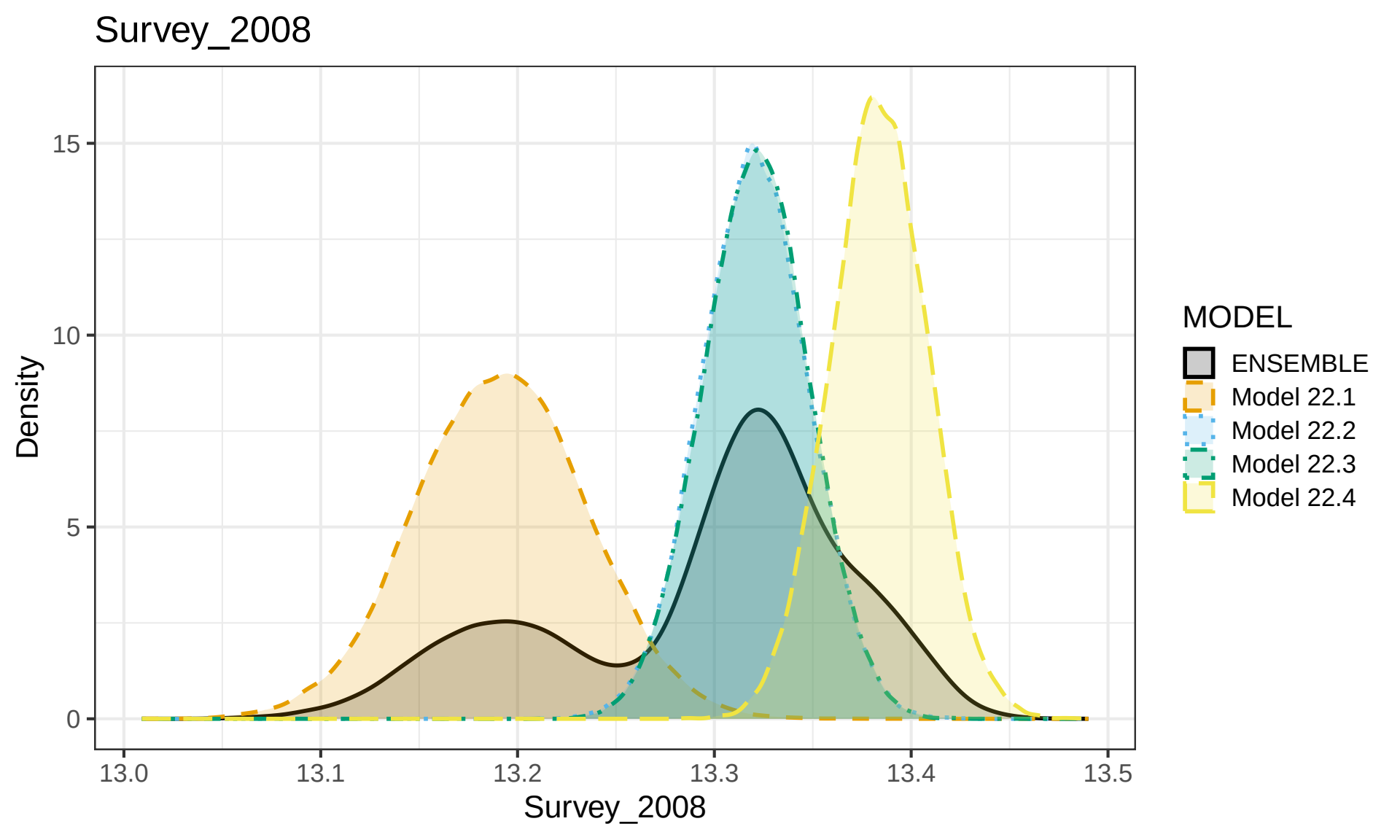

Survey_2003
Density
10
5
0
13.1
13.2
13.3
13.4
13.5
Survey_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

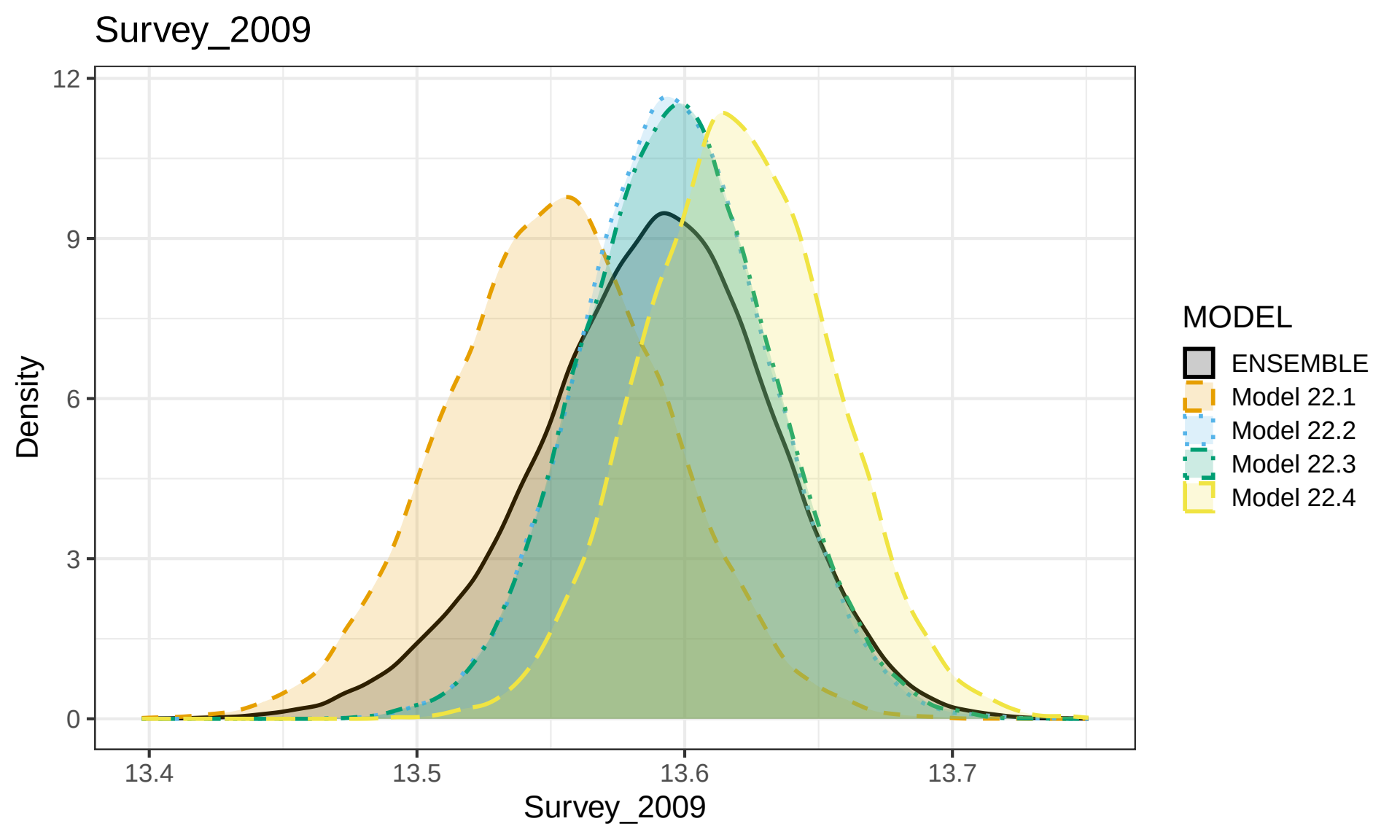

Survey_2004
15
10
5
0
Density
12.9
13.0
13.1
13.2
13.3
Survey_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

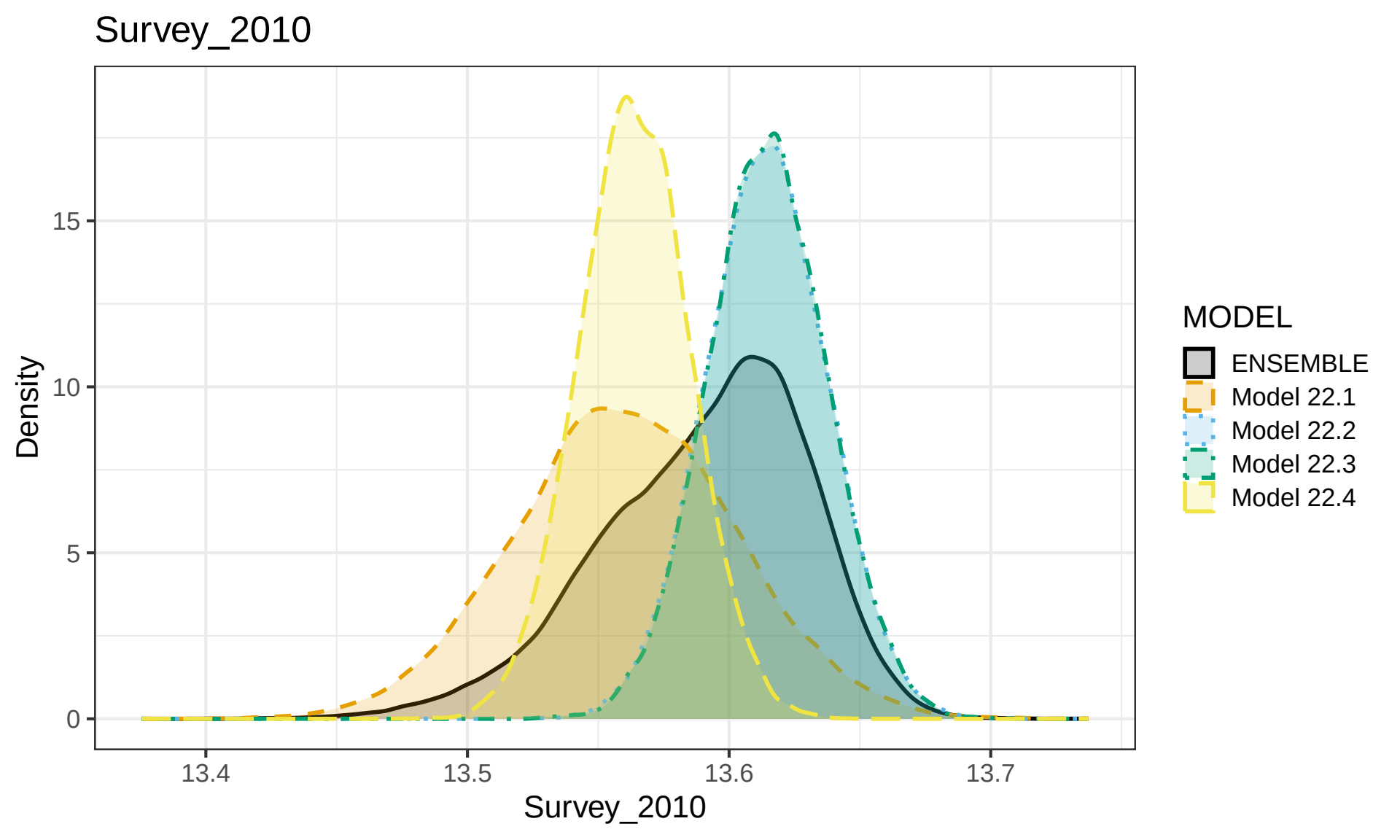

Survey_2005
Density
10
5
0
12.9
13.0
13.1
13.2
13.3
Survey_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

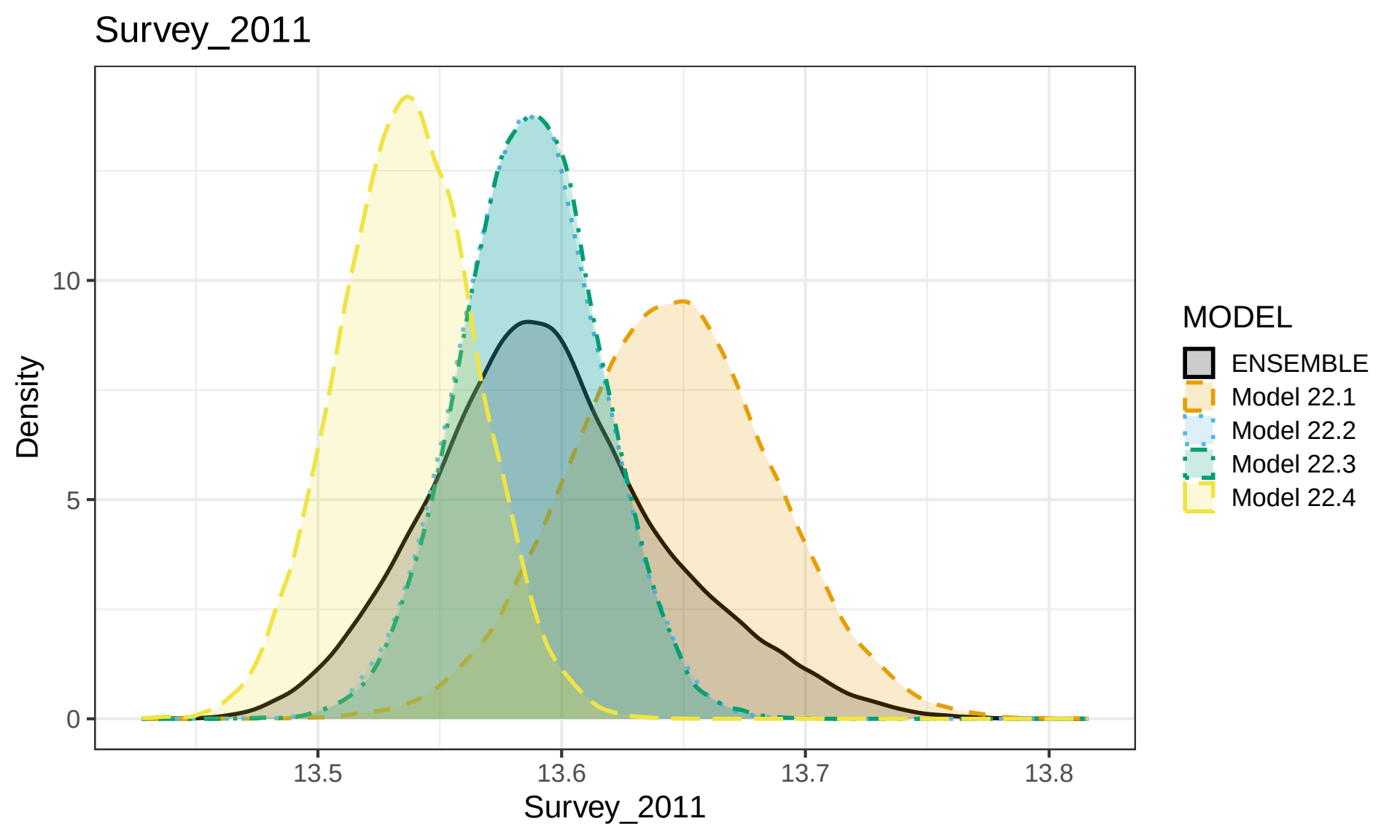

Survey_2006
15
10
5
0
Density
12.9
13.0
13.1
13.2
Survey_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

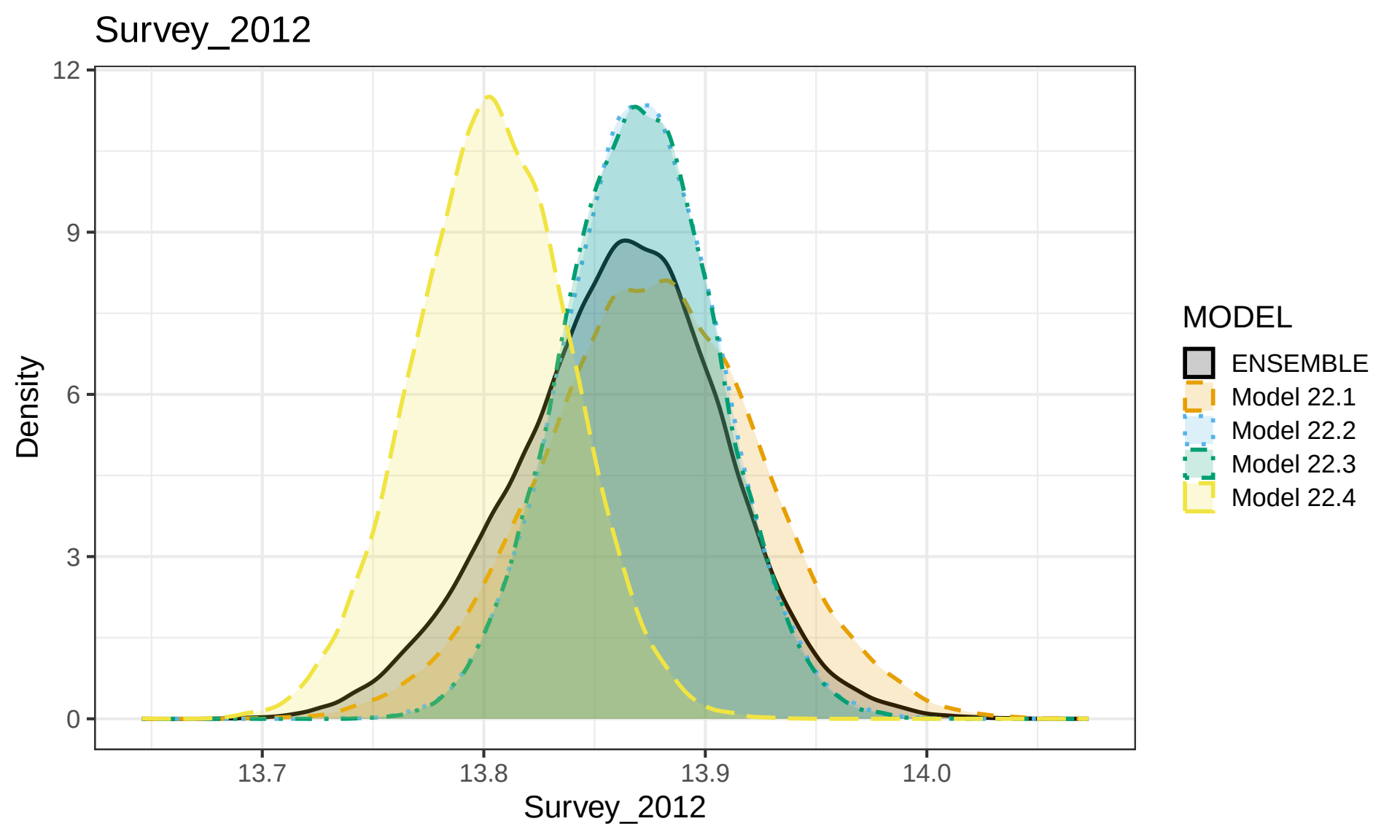

Survey_2007
15
10
5
0
Density
13.2
13.3
13.4
13.5
13.6
Survey_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

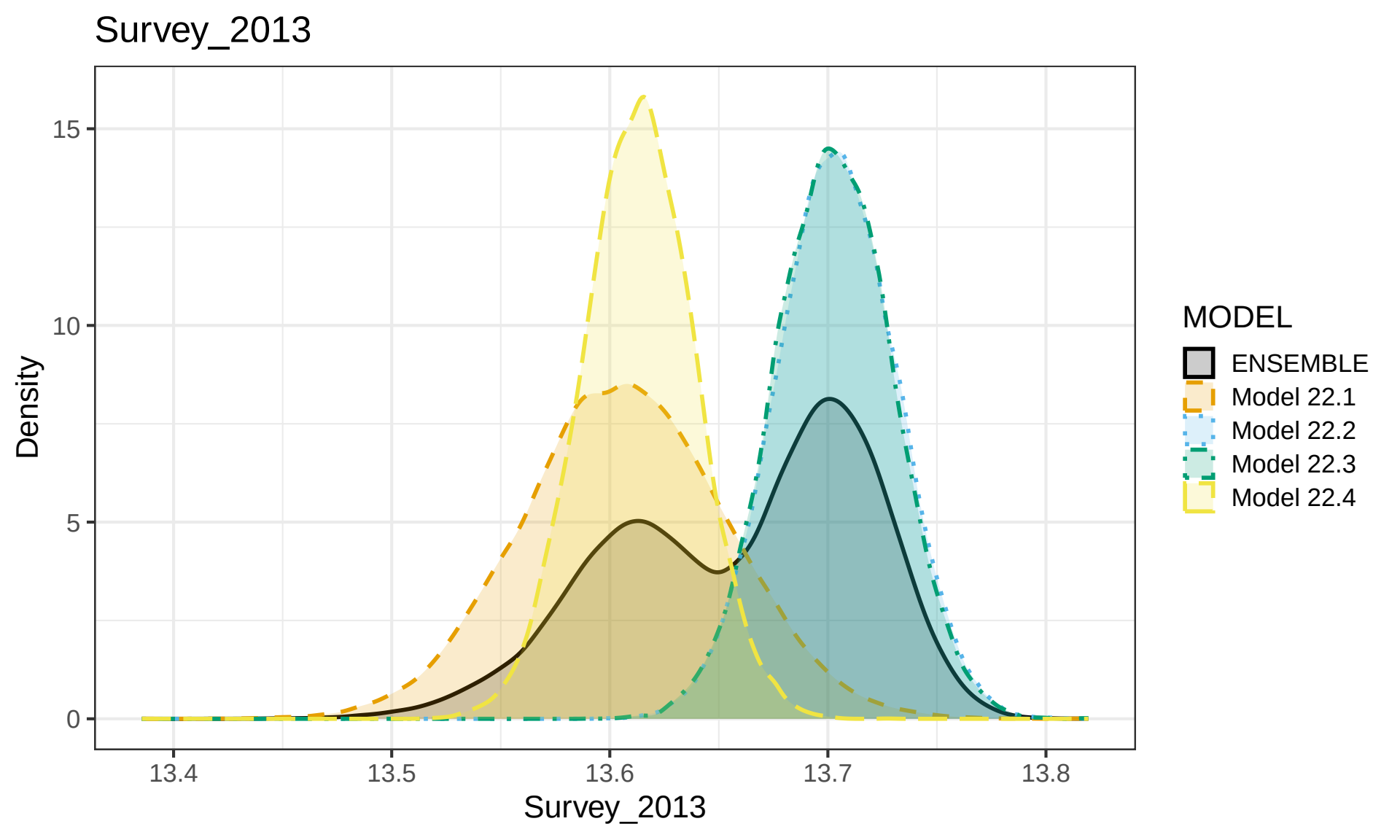

Survey_2008
Density
15
10
5
0
13.0
13.1
13.2
13.3
13.4
13.5
Survey_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

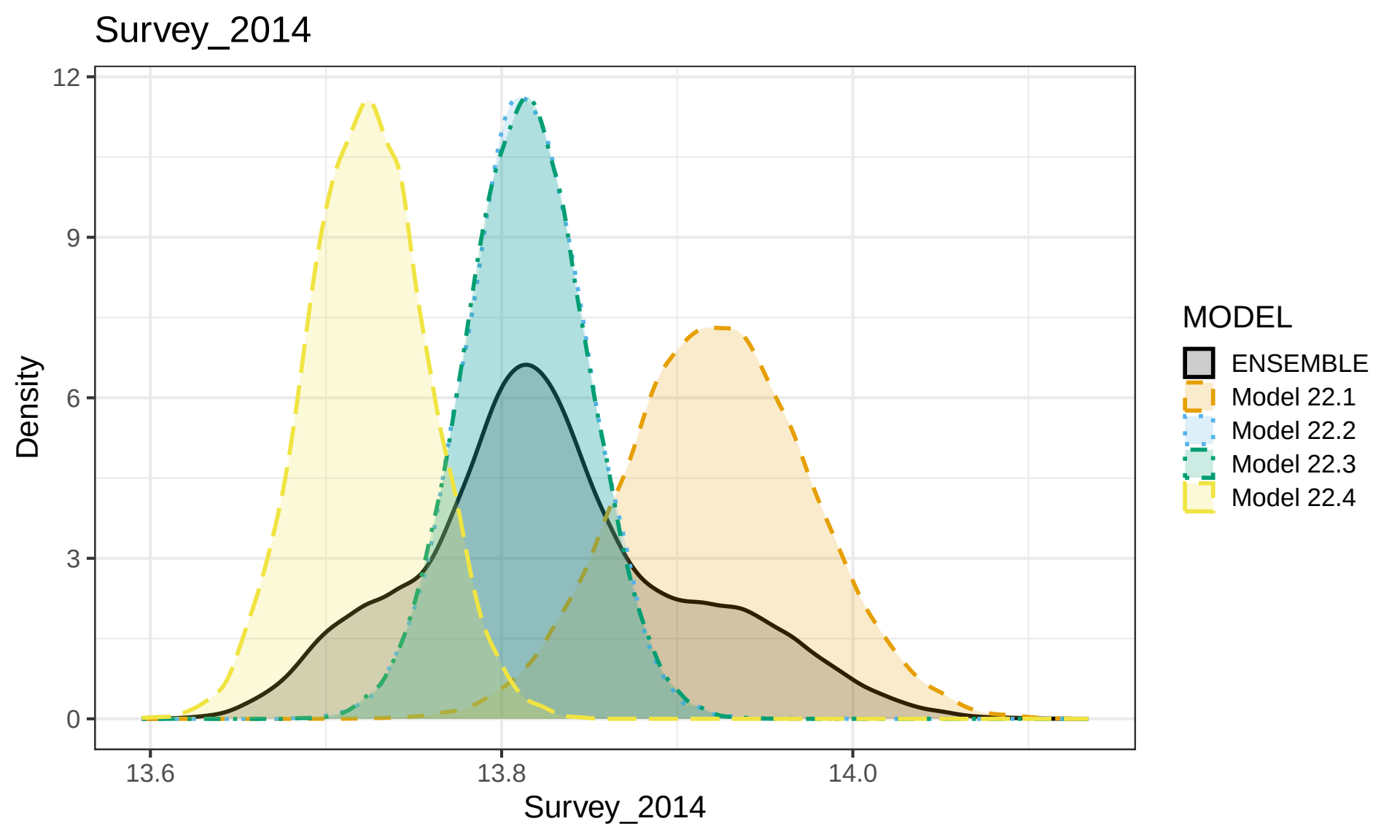

Survey_2009
12
9
6
3
0
Density
13.4
13.5
13.6
13.7
Survey_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

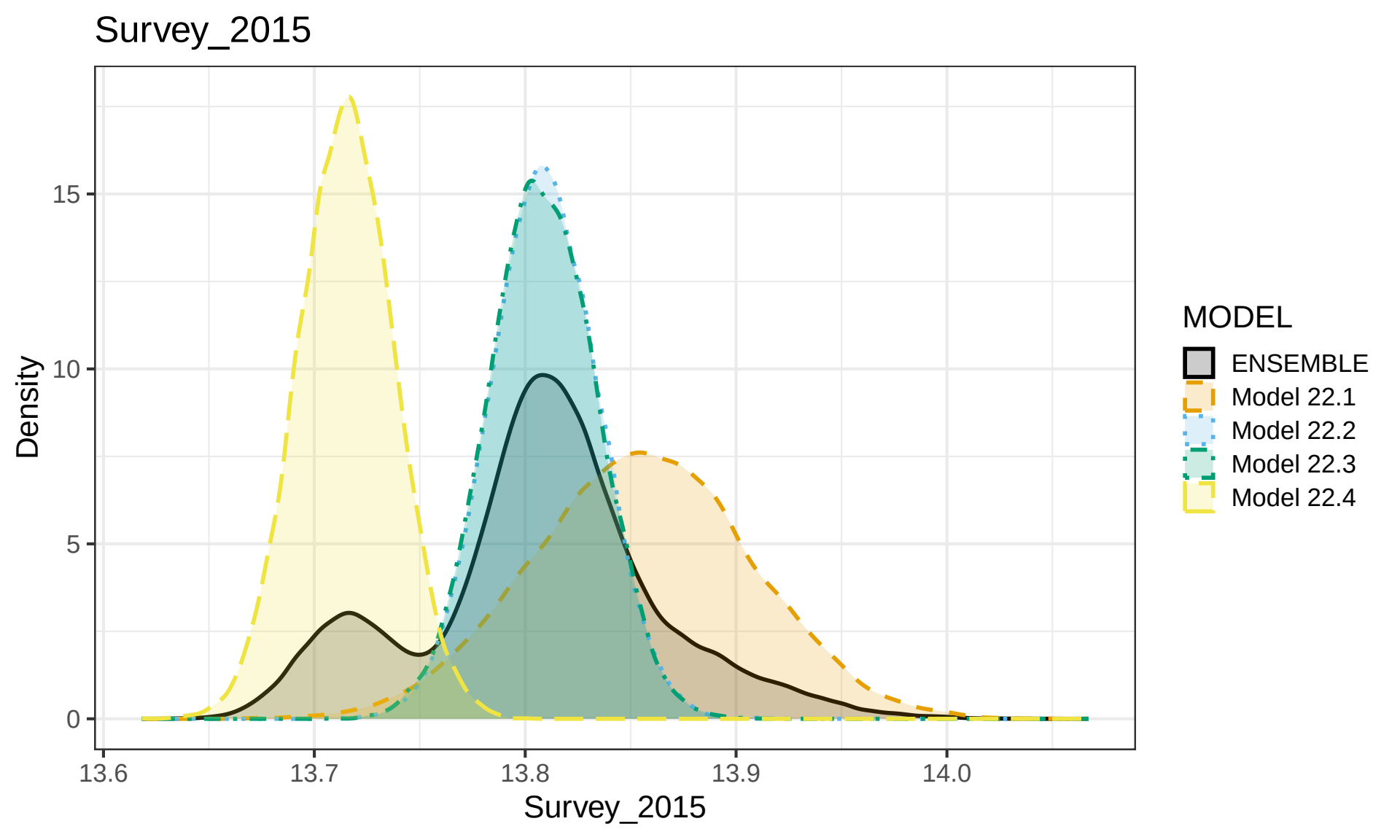

Survey_2010
Density
15
10
5
0
13.4
13.5
13.6
13.7
Survey_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

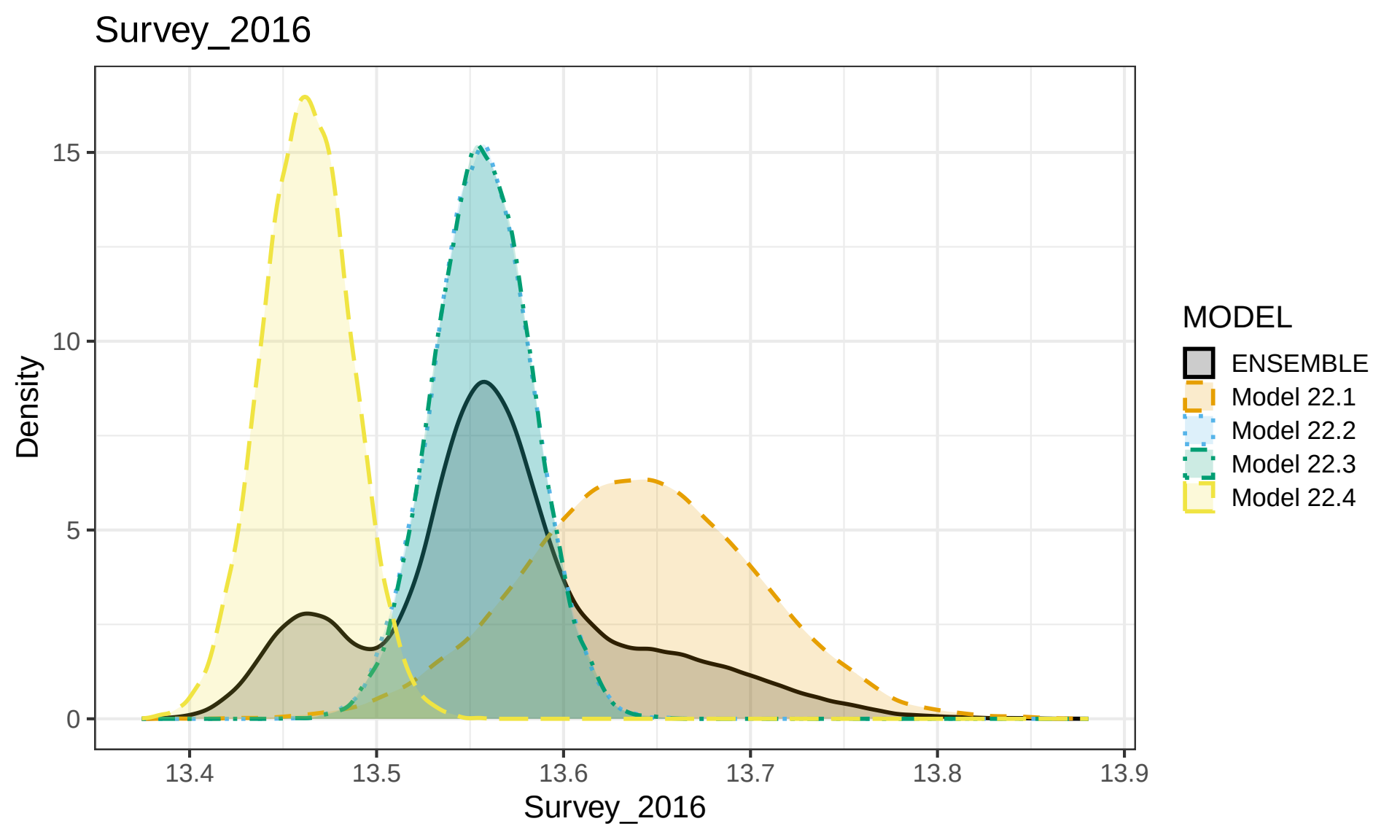

Survey_2011
Density
10
5
0
13.5
13.6
13.7
13.8
Survey_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

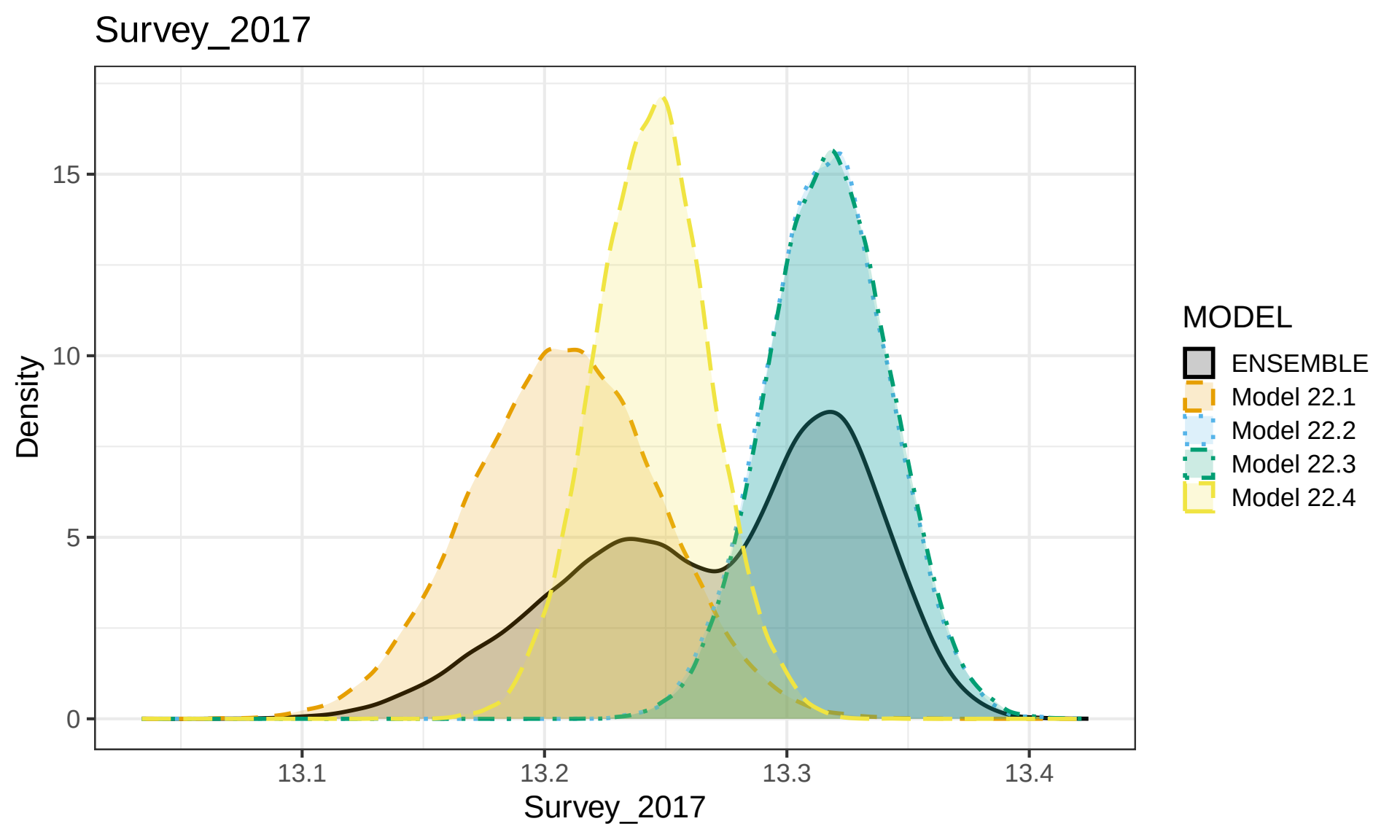

Survey_2012
12
9
6
3
0
Density
13.7
13.8
13.9
14.0
Survey_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

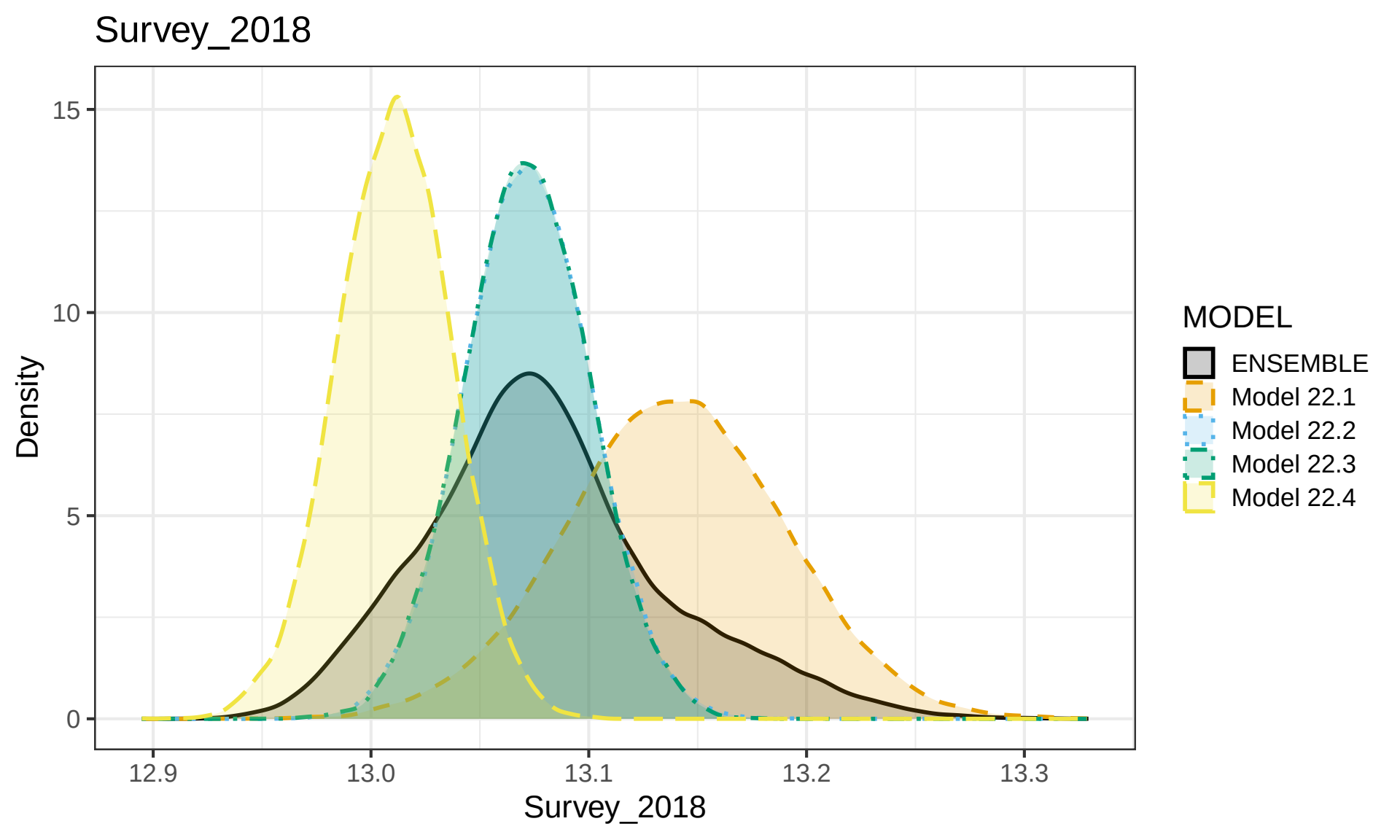

Survey_2013
15
10
5
0
Density
13.4
13.5
13.6
13.7
13.8
Survey_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

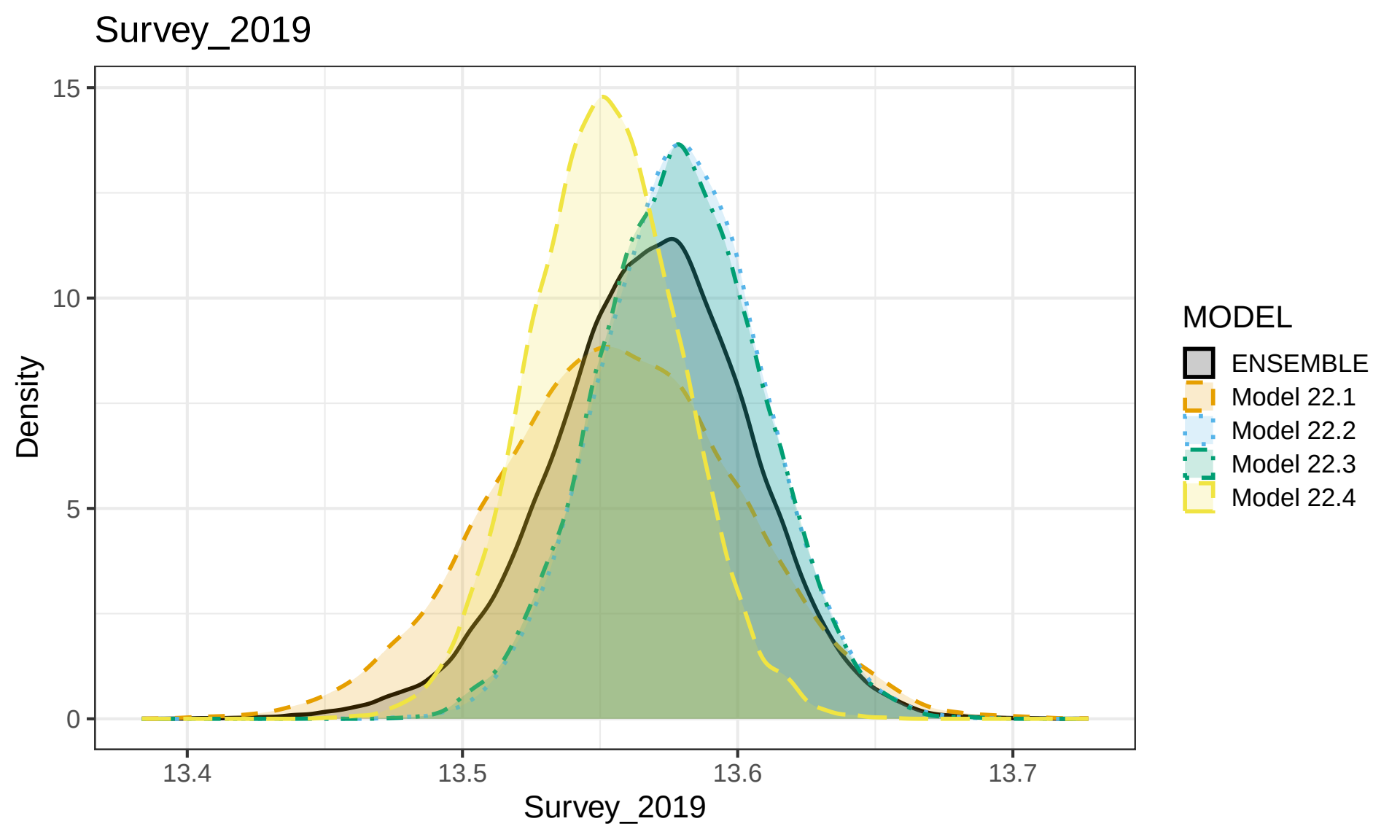

Survey_2014
12
9
6
3
0
Density
13.6
13.8
14.0
Survey_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

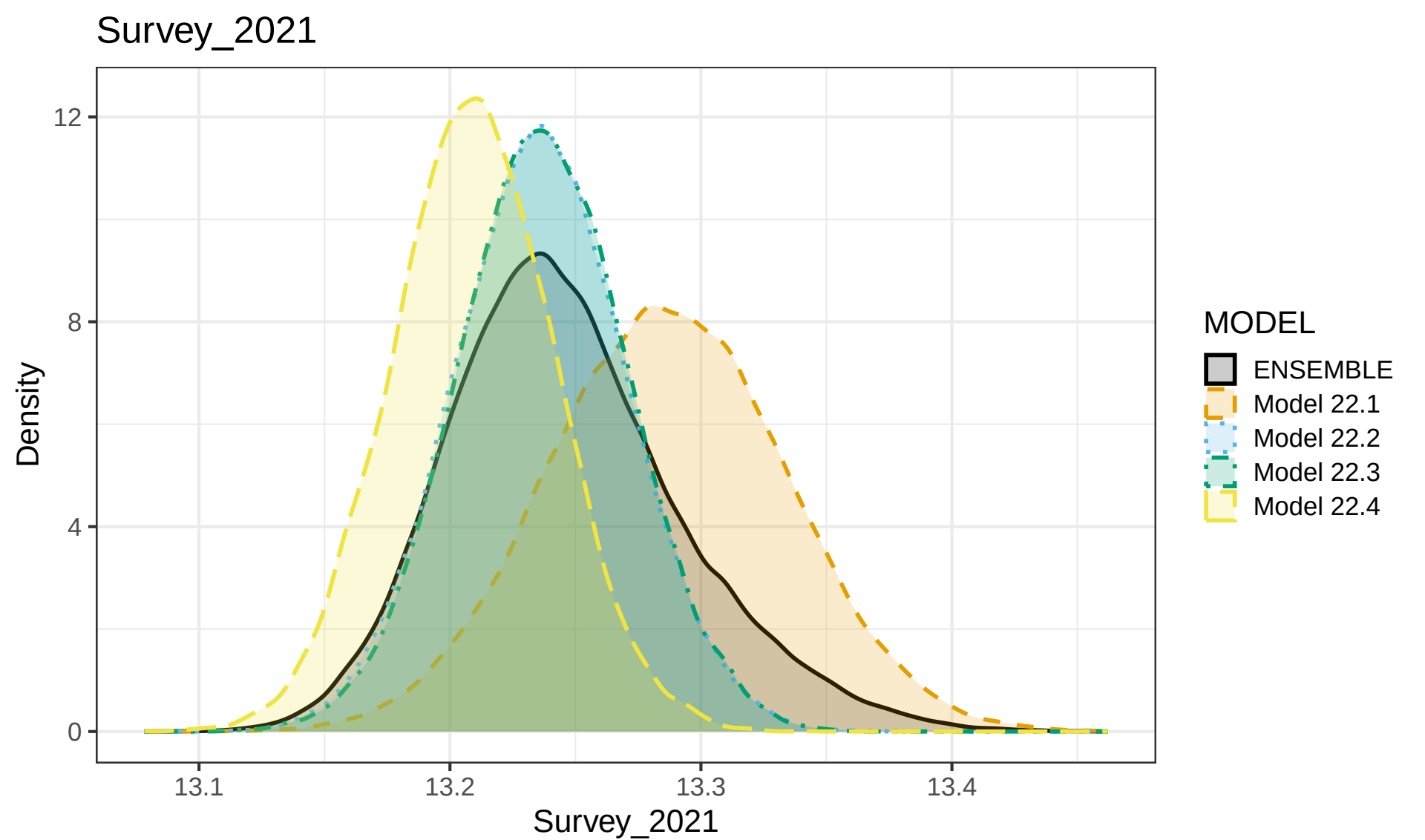

Survey_2015
Density
15
10
5
0
13.6
13.7
13.8
13.9
14.0
Survey_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

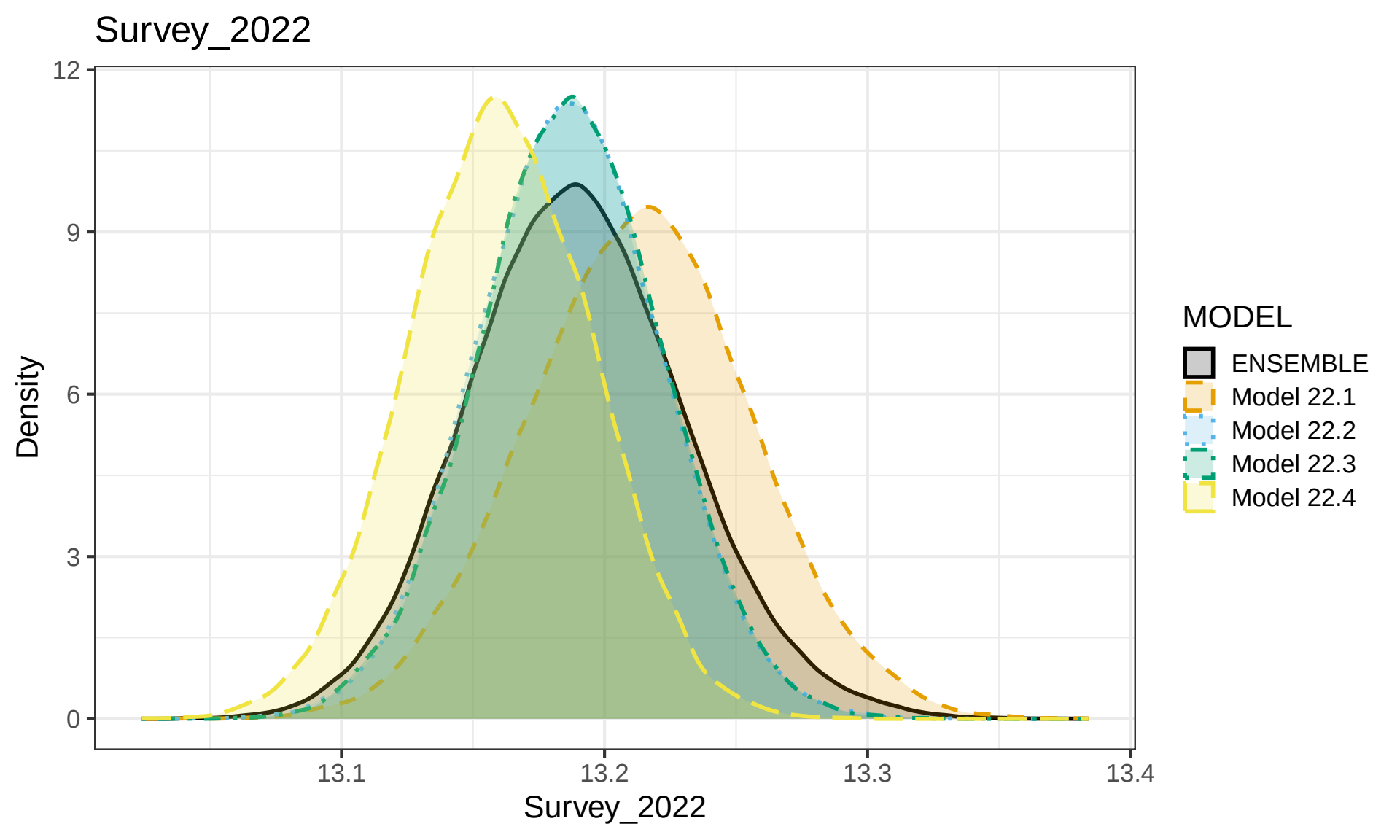

Survey_2016
Density
15
10
5
0
13.4
13.5
13.6
13.7
13.8
13.9
Survey_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

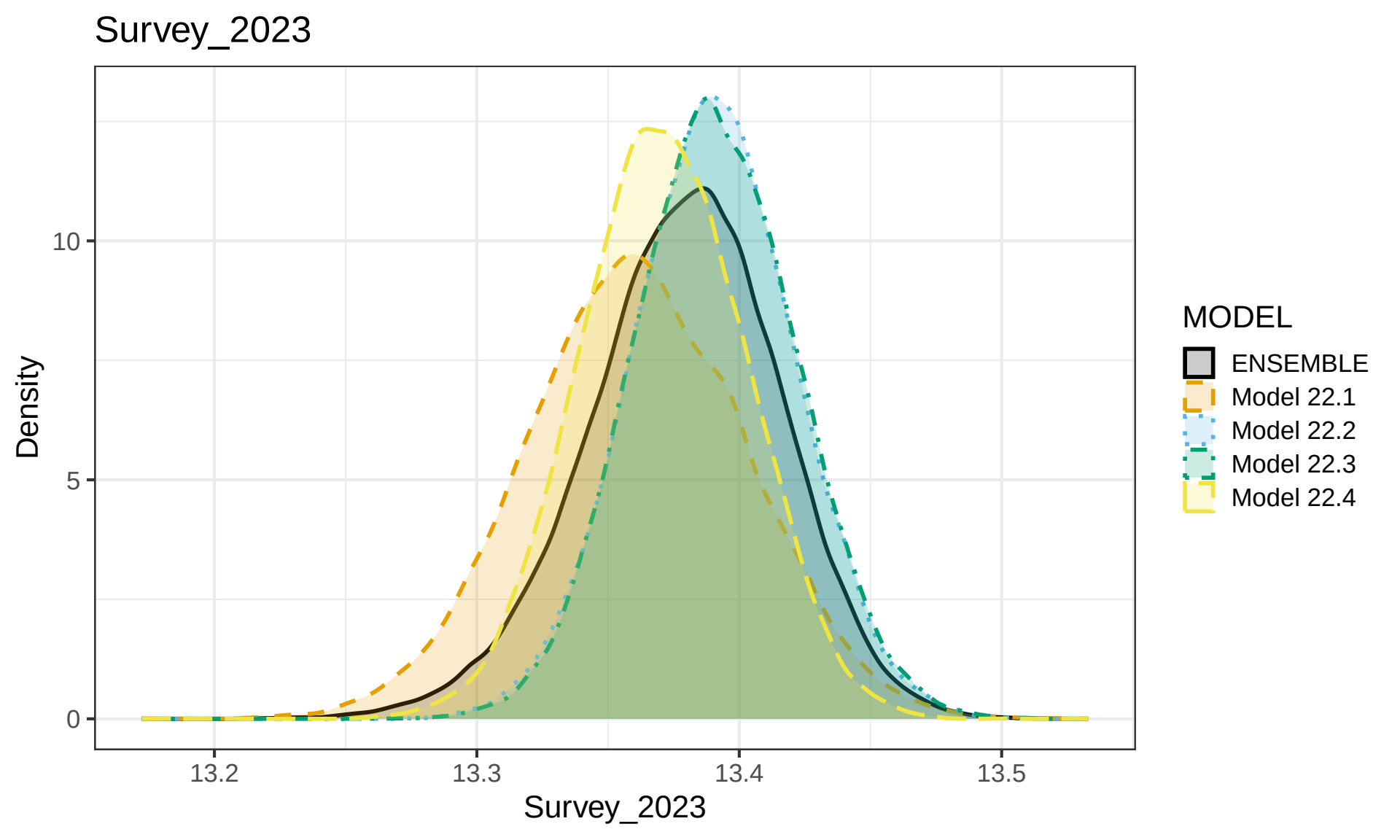

Survey_2017
Density
15
10
5
0
13.1
13.2
13.3
13.4
Survey_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

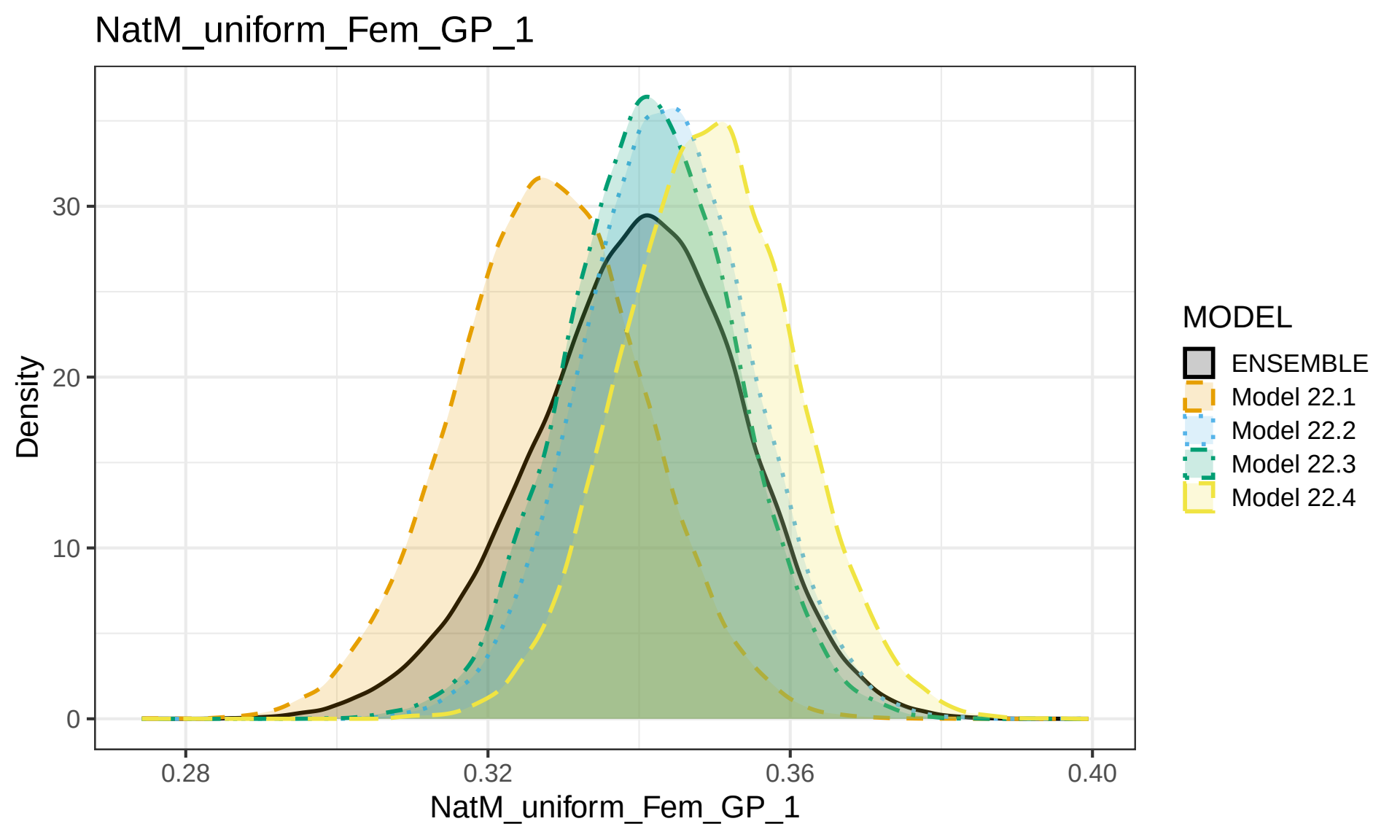

Survey_2018
15
10
5
0
Density
12.9
13.0
13.1
13.2
13.3
Survey_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

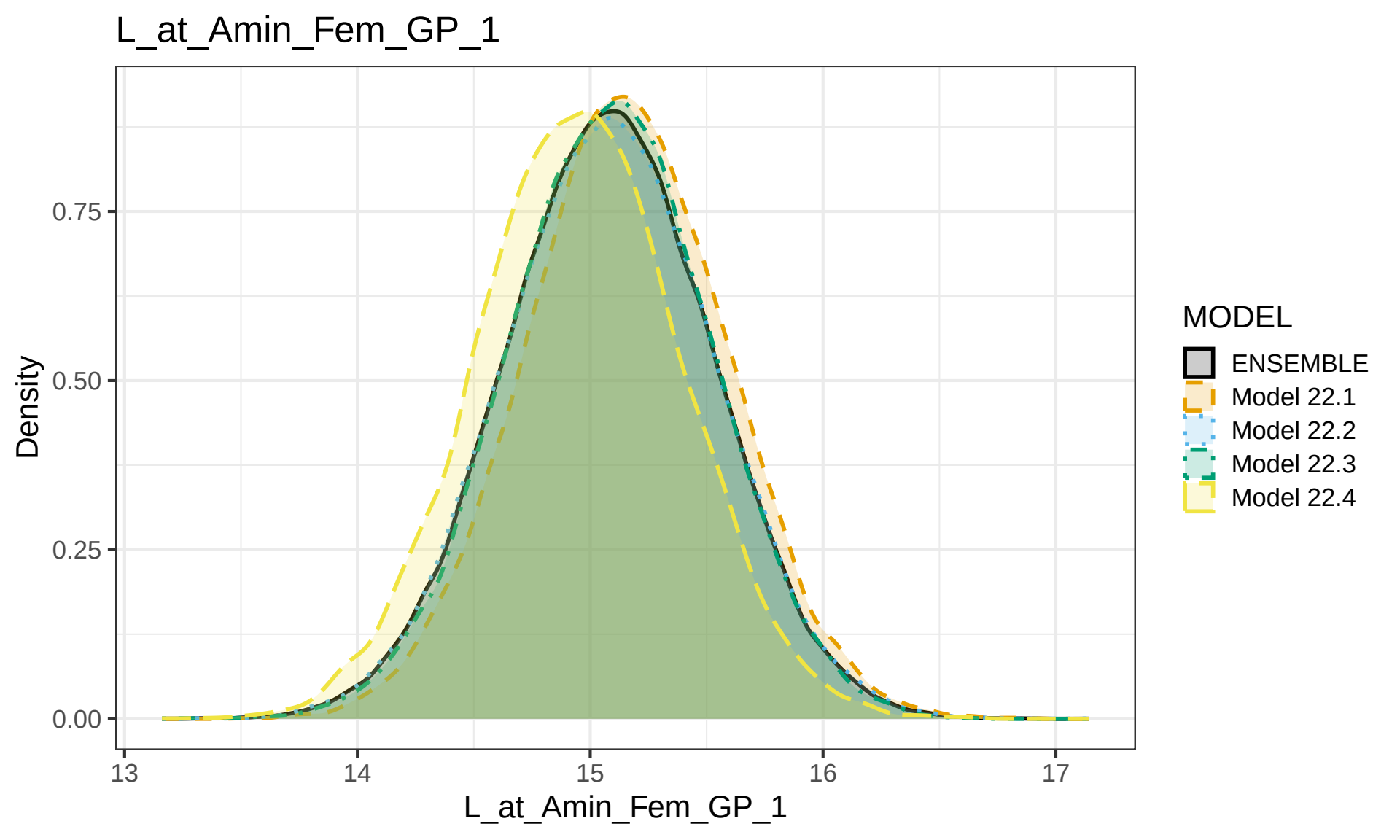

Survey_2019
15
10
5
0
Density
13.4
13.5
13.6
13.7
Survey_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

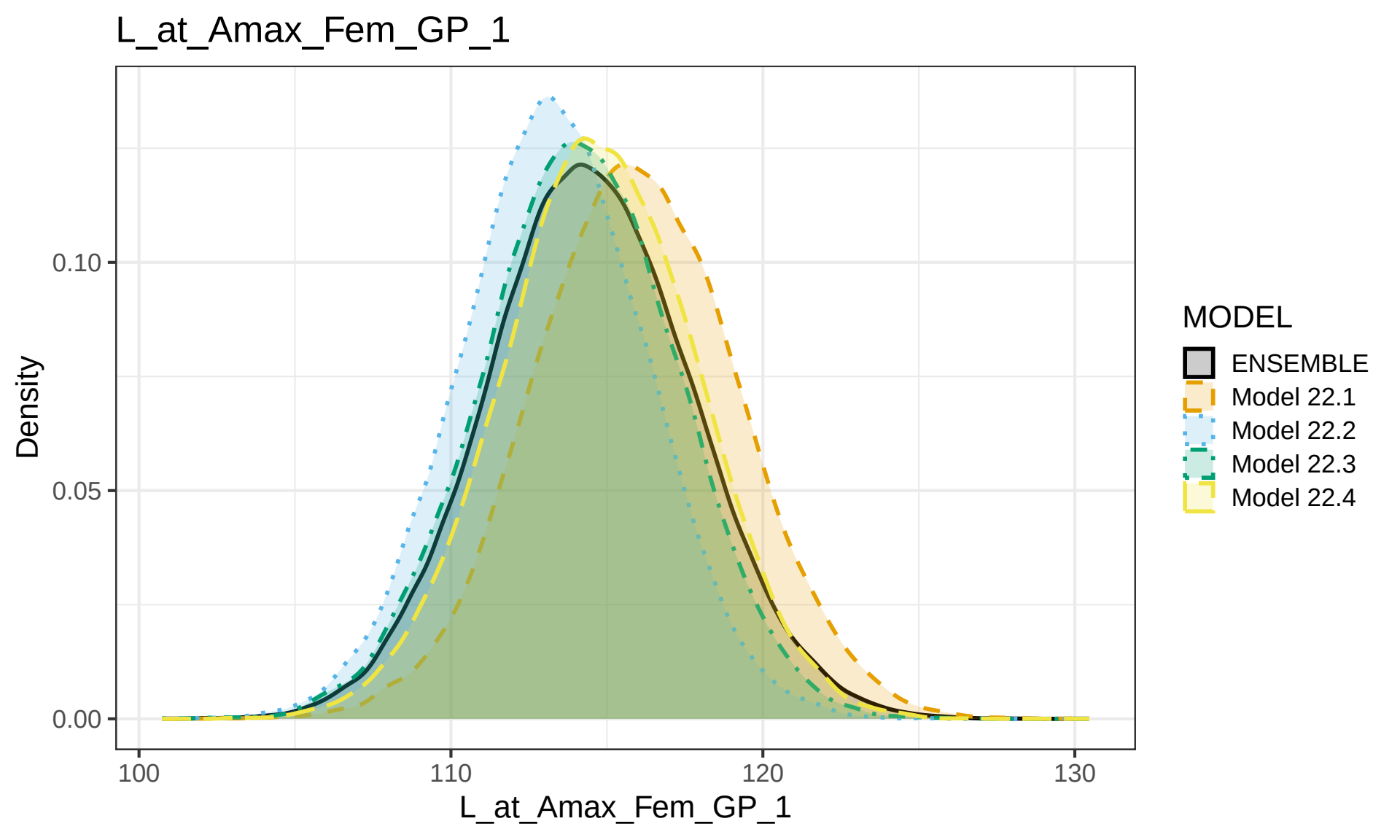

Survey_2021
12
8
4
0
Density
13.1
13.2
13.3
13.4
Survey_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

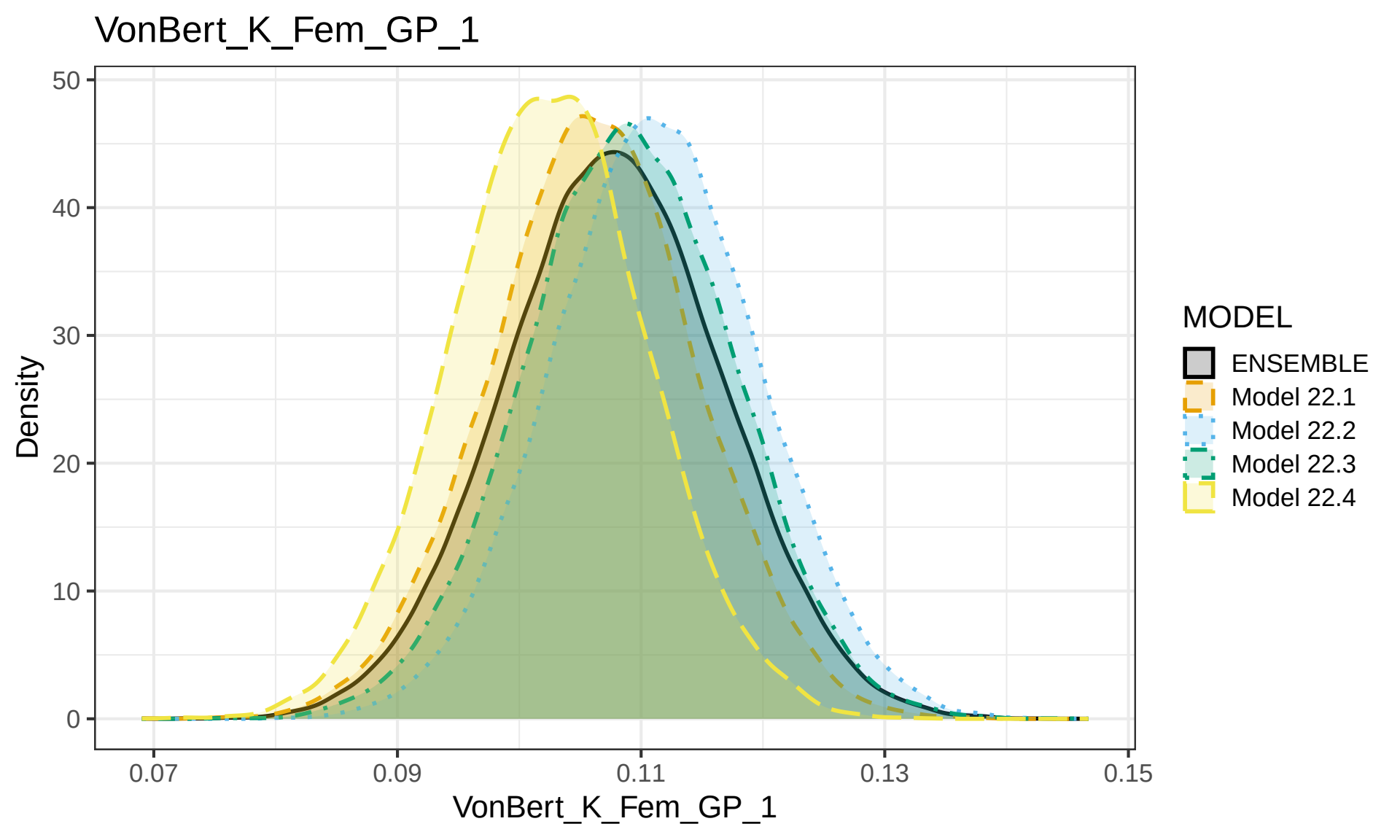

Survey_2022
12
9
6
3
0
Density
13.1
13.2
13.3
13.4
Survey_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

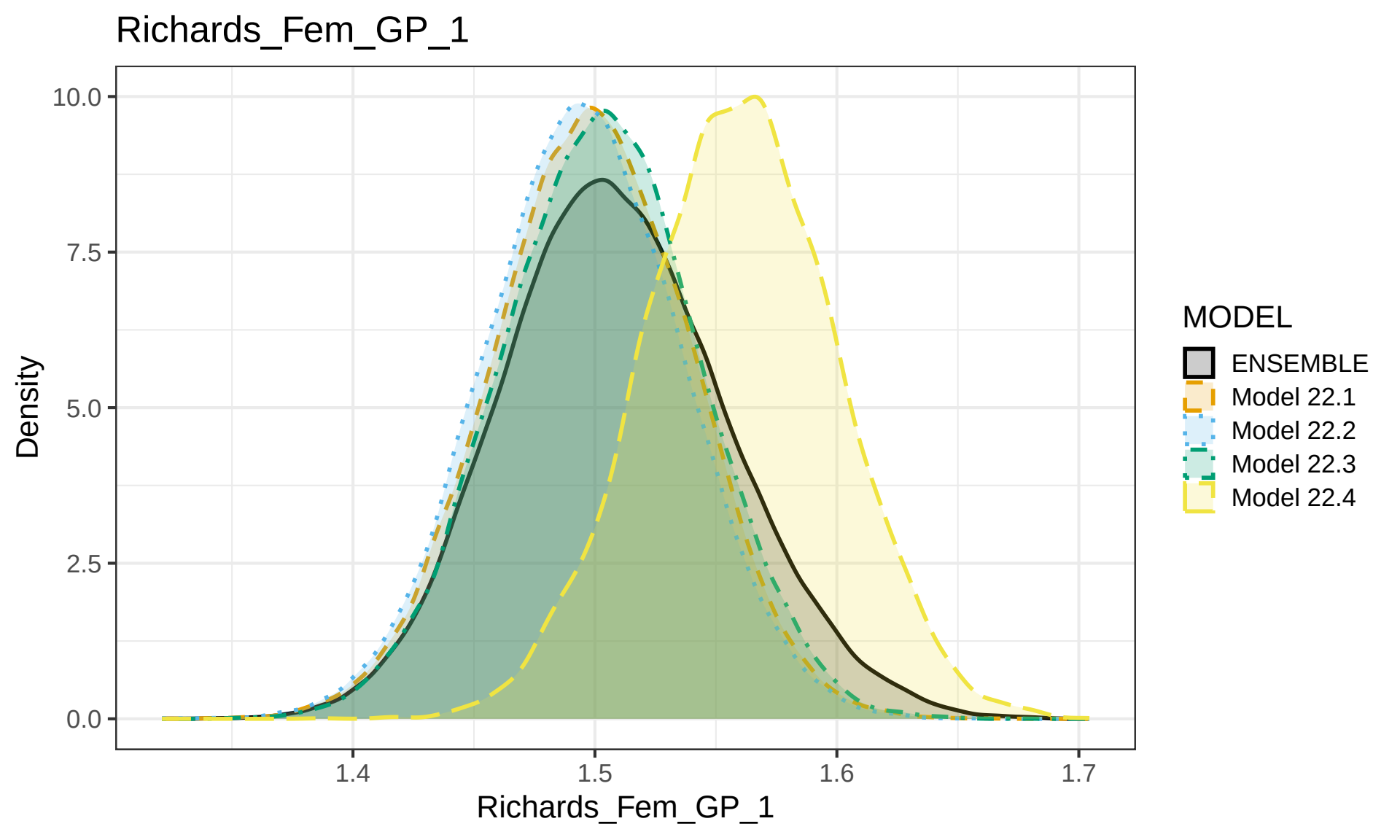

Survey_2023
Density
10
5
0
13.2
13.3
13.4
13.5
Survey_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

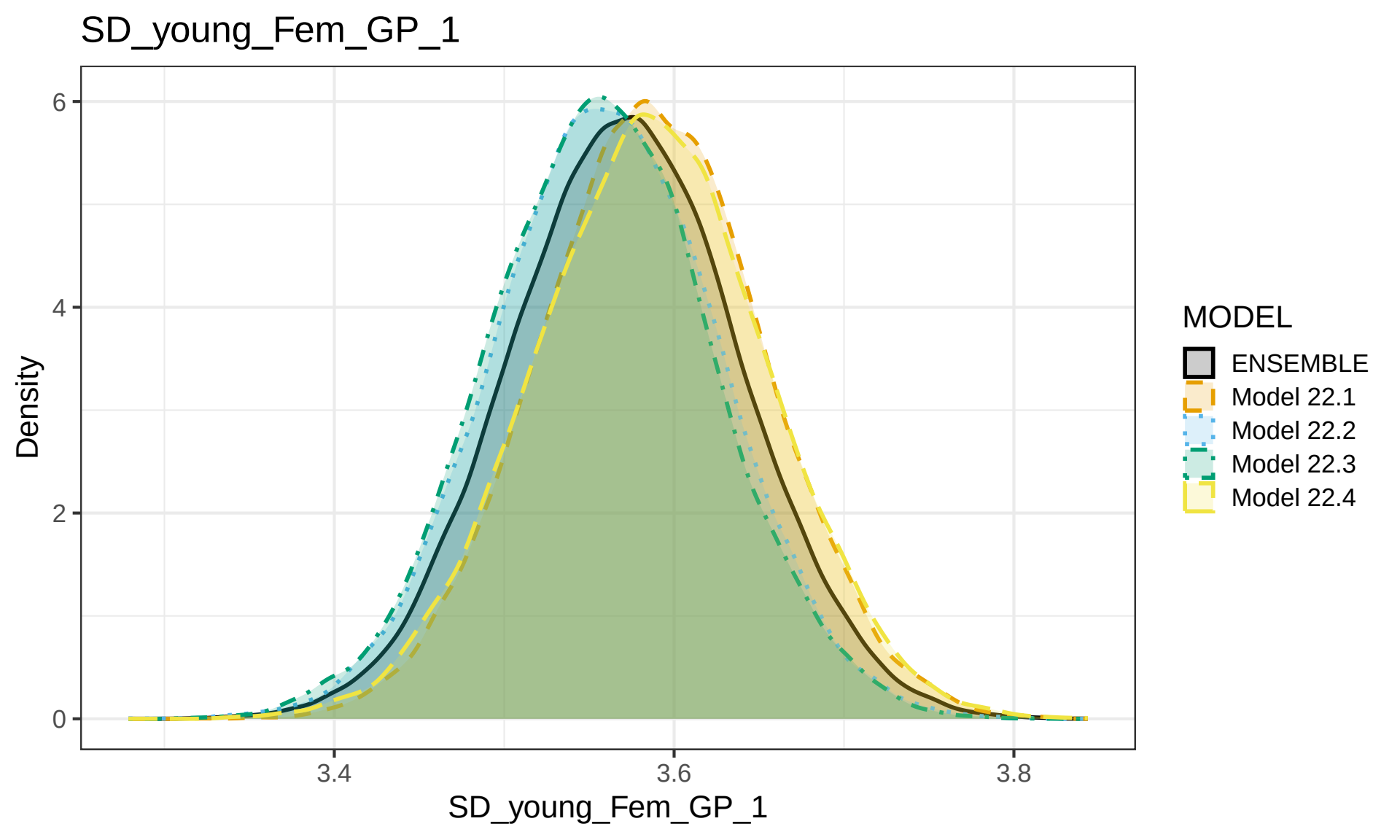

NatM_uniform_Fem_GP_1
Density
30
20
10
0
0.28
0.32
0.36
0.40
NatM_uniform_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

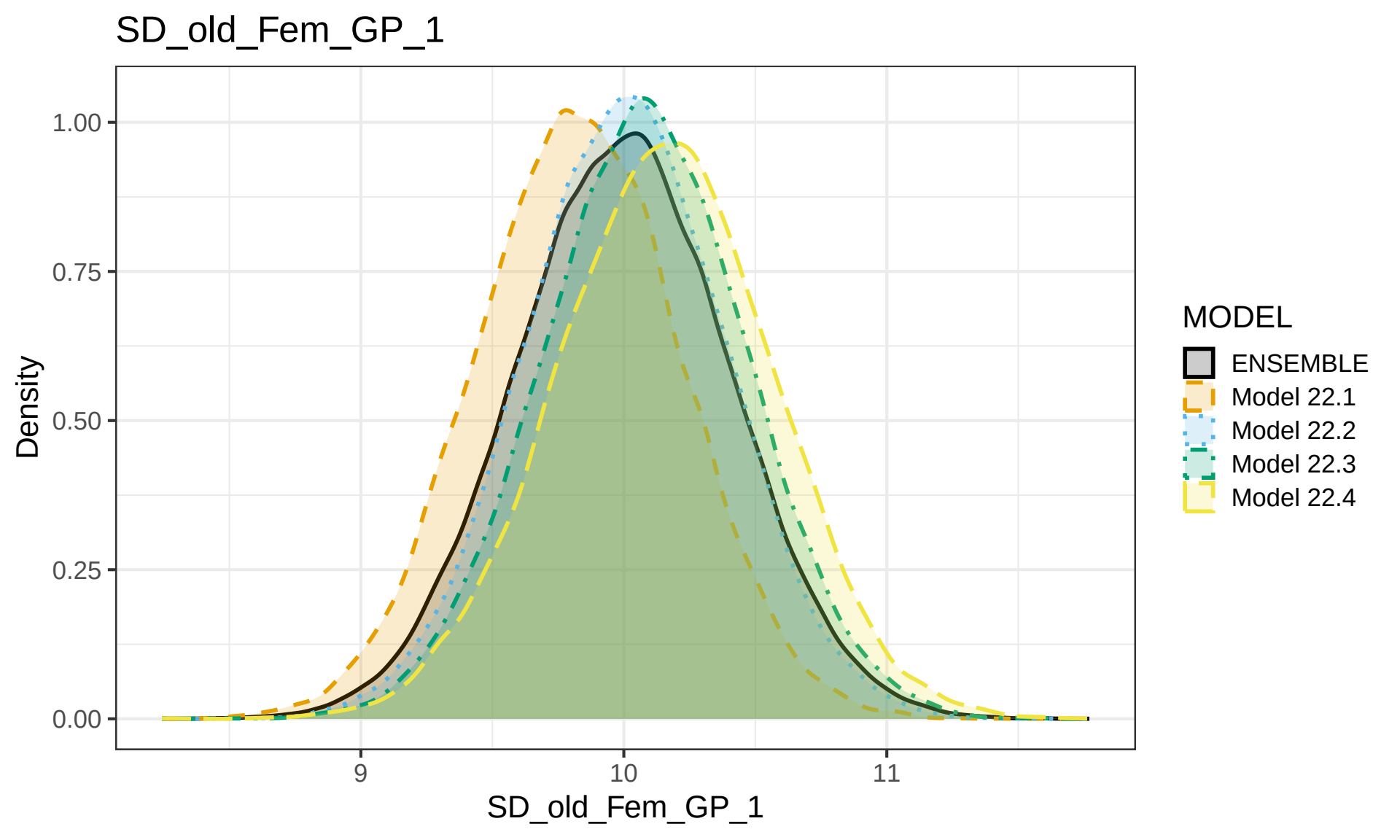

L_at_Amin_Fem_GP_1
Density
0.00
0.25
0.50
0.75
13
14
15
16
17
L_at_Amin_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

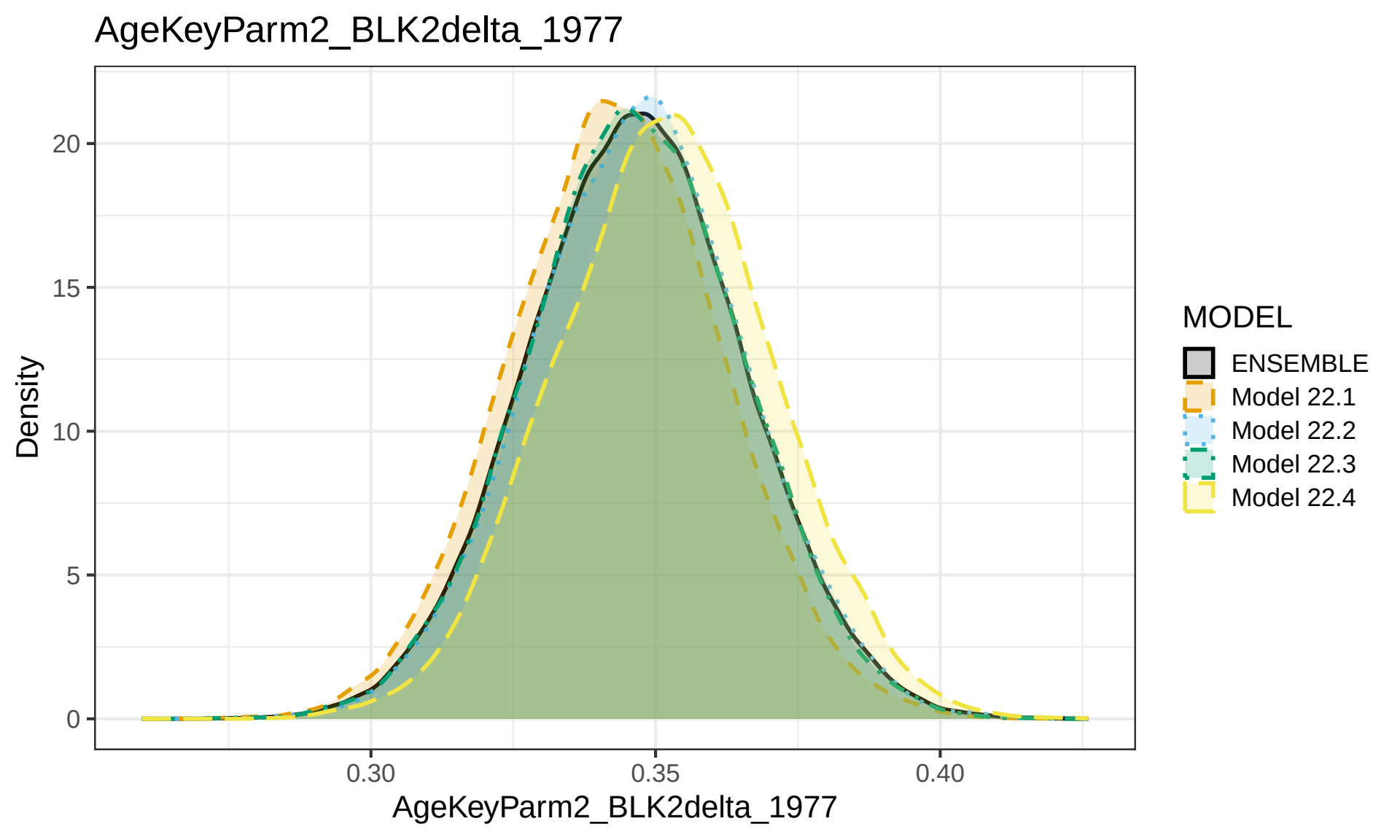

L_at_Amax_Fem_GP_1
Density
0.10
0.05
0.00
100
110
120
130
L_at_Amax_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

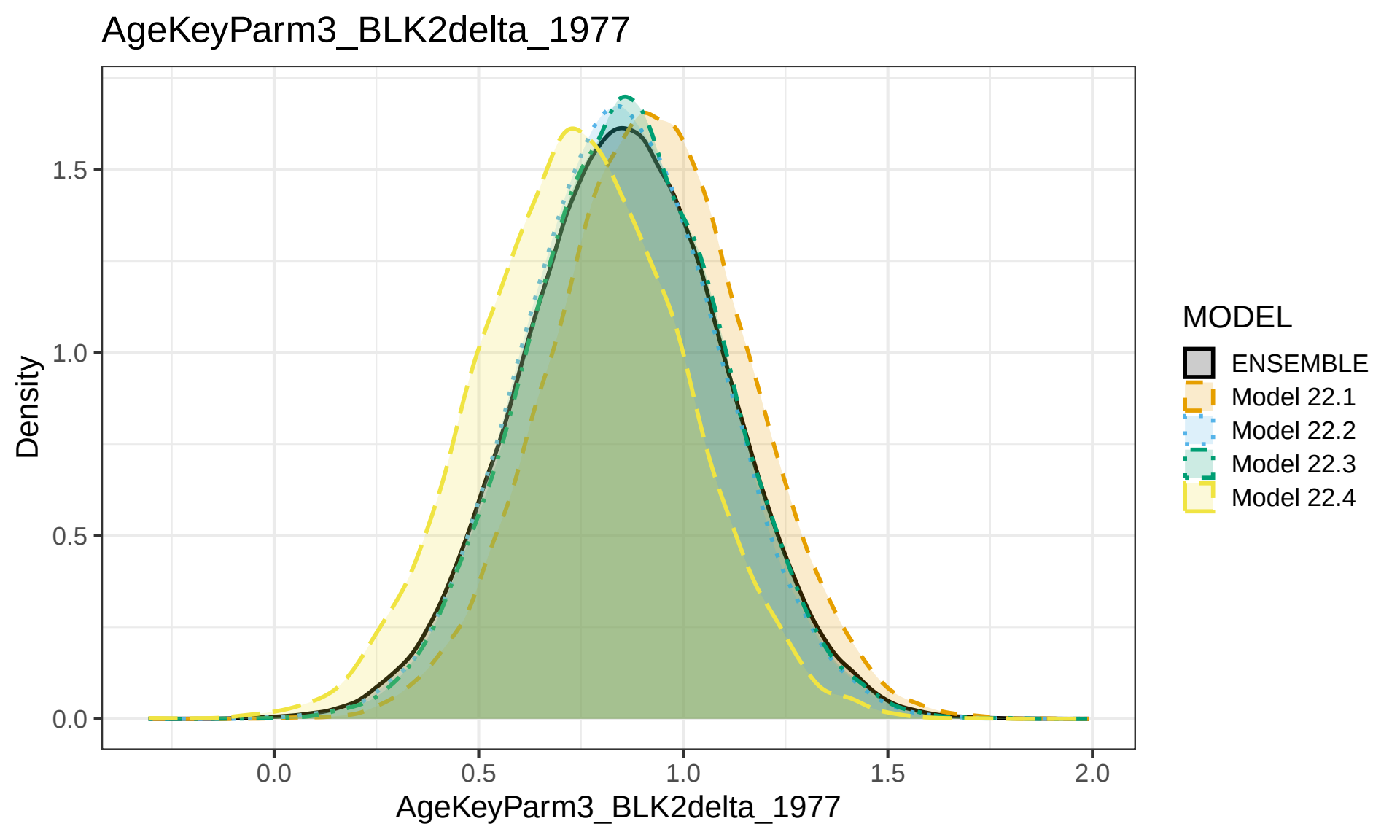

VonBert_K_Fem_GP_1
Density
50
40
30
20
10
0
0.07
0.09
0.11
0.13
0.15
VonBert_K_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

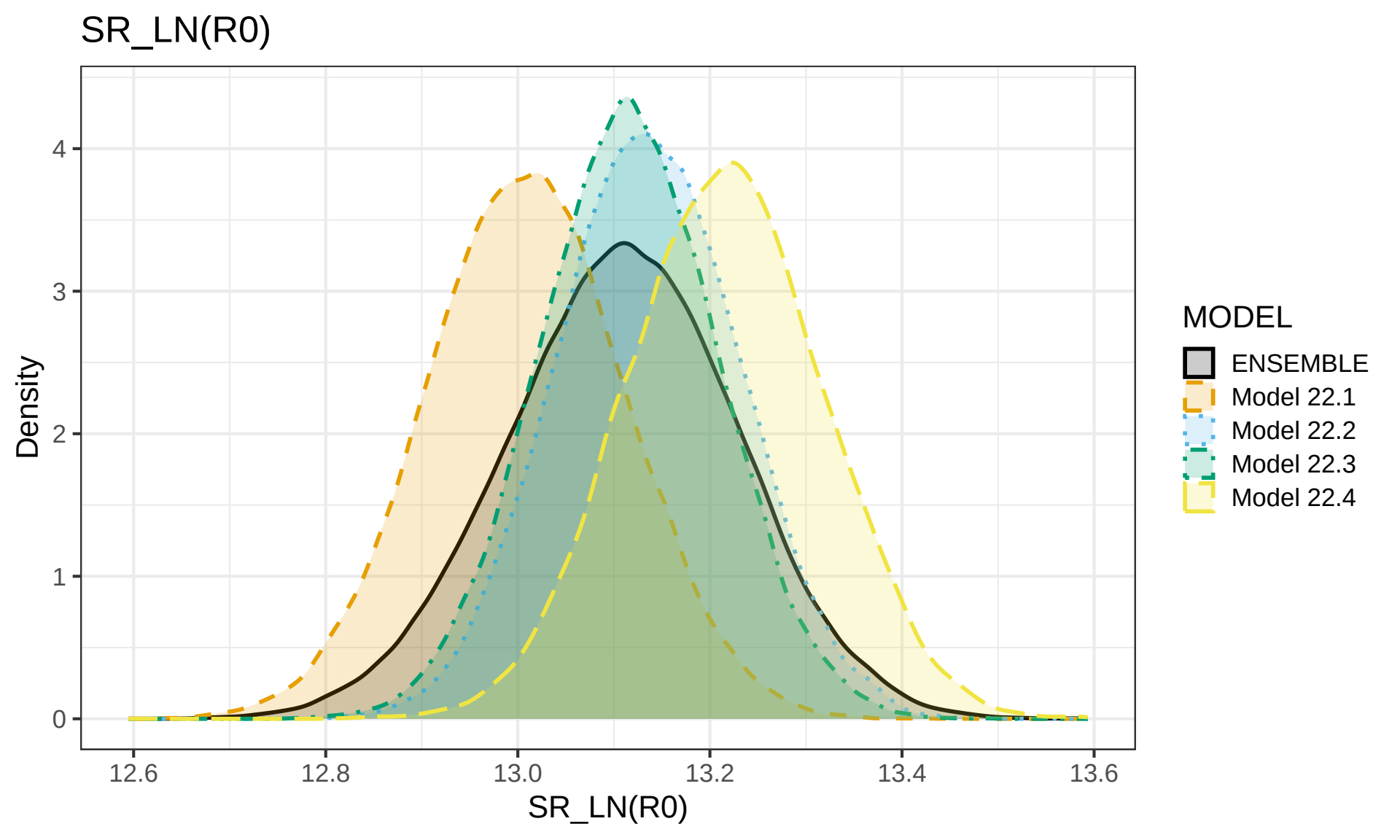

Richards_Fem_GP_1
10.0
7.5
5.0
2.5
0.0
Density
1.4
1.5
1.6
1.7
Richards_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

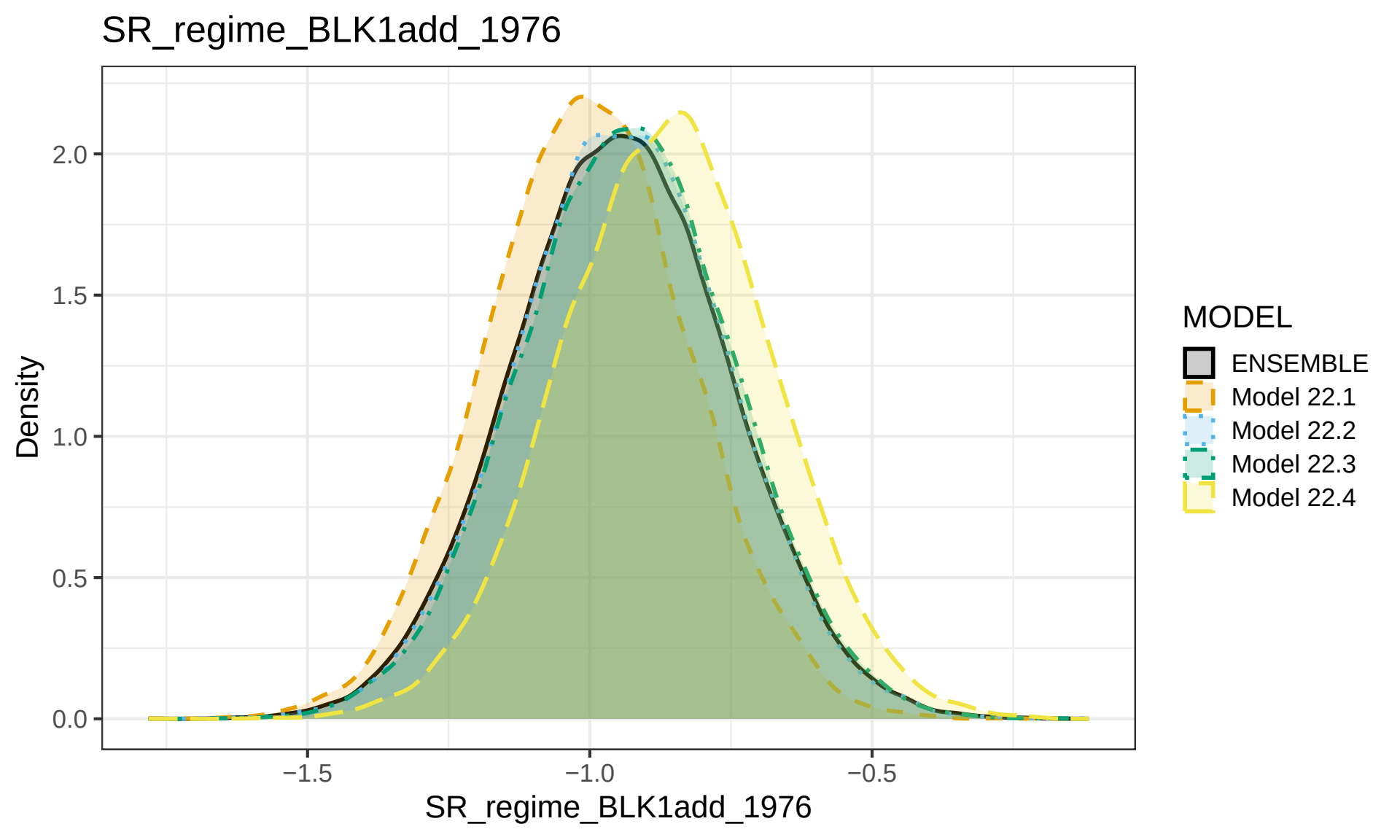

SD_young_Fem_GP_1
Density
6
4
2
0
3.4
3.6
3.8
SD_young_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

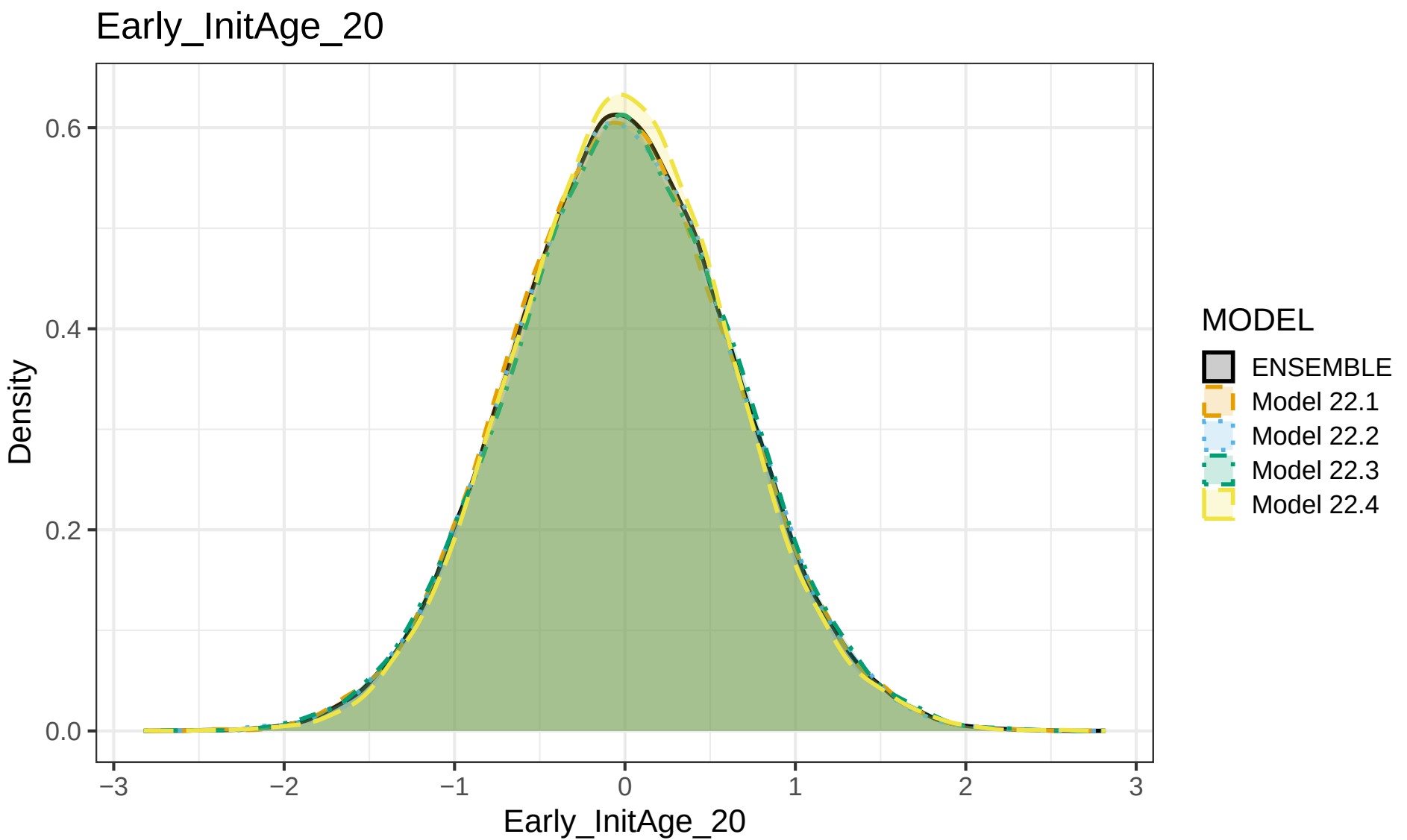

SD_old_Fem_GP_1
1.00
0.75
0.50
0.25
0.00
Density
9
10
11
SD_old_Fem_GP_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

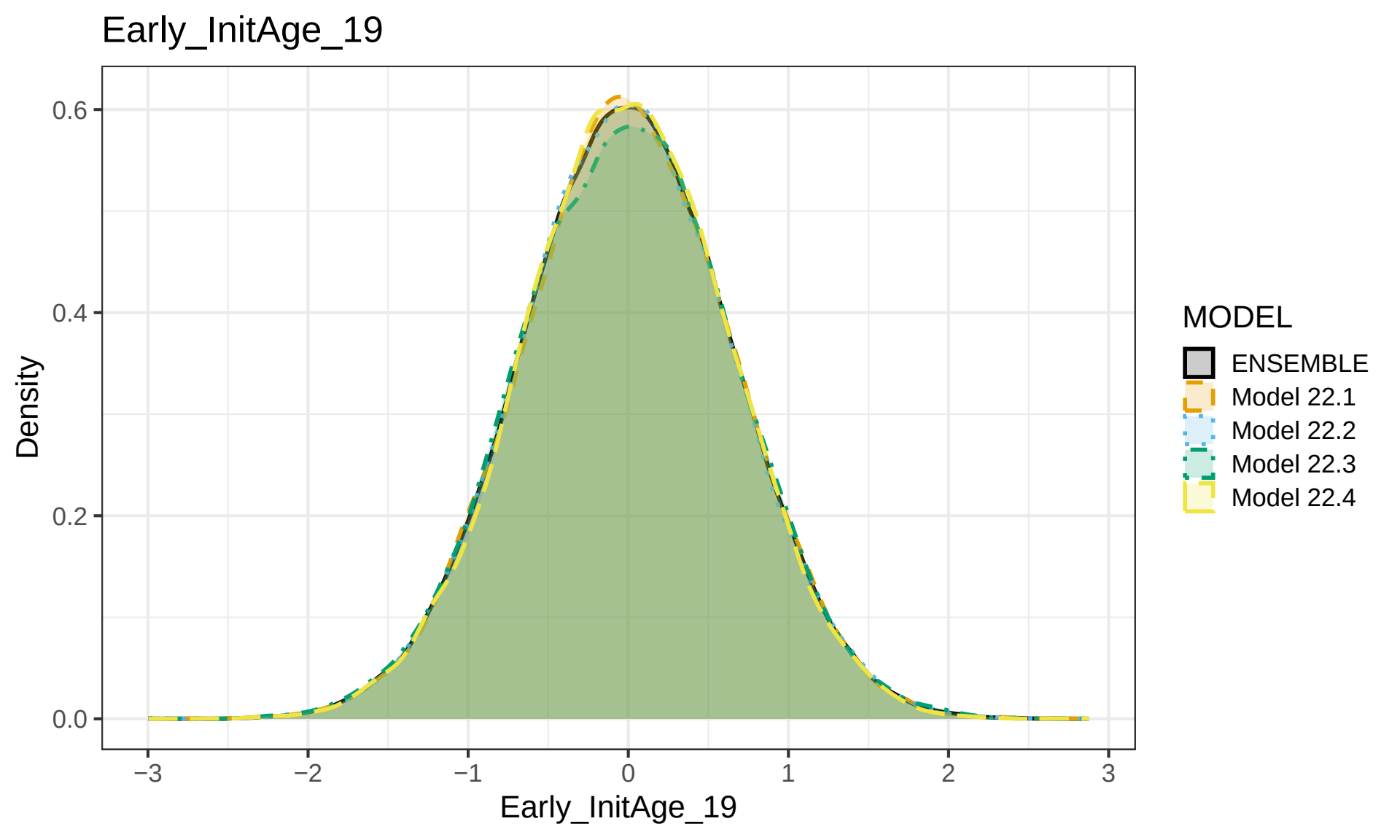

AgeKeyParm2_BLK2delta_1977
Density
20
15
10
5
0
0.30
0.35
0.40
AgeKeyParm2_BLK2delta_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

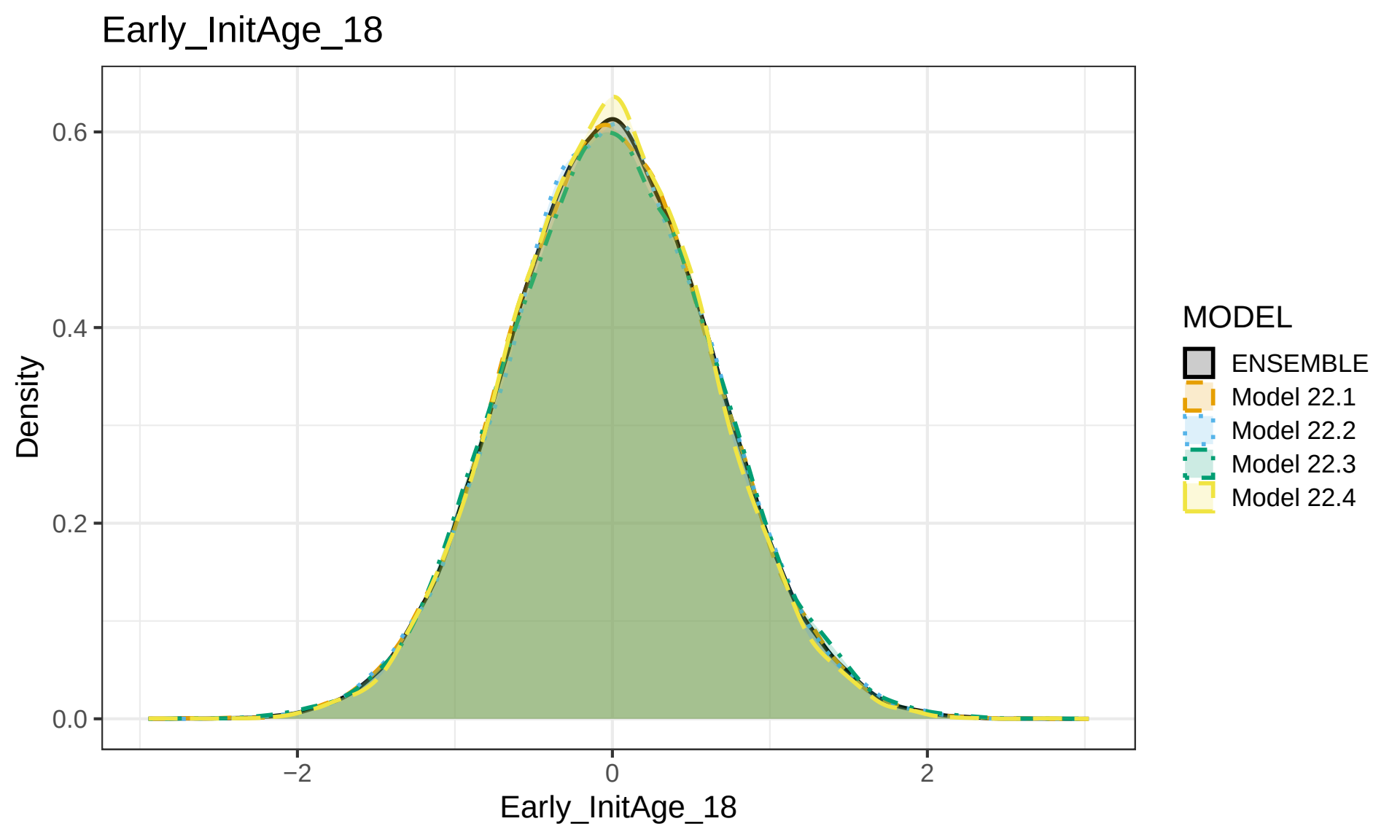

AgeKeyParm3_BLK2delta_1977
Density
1.5
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
AgeKeyParm3_BLK2delta_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

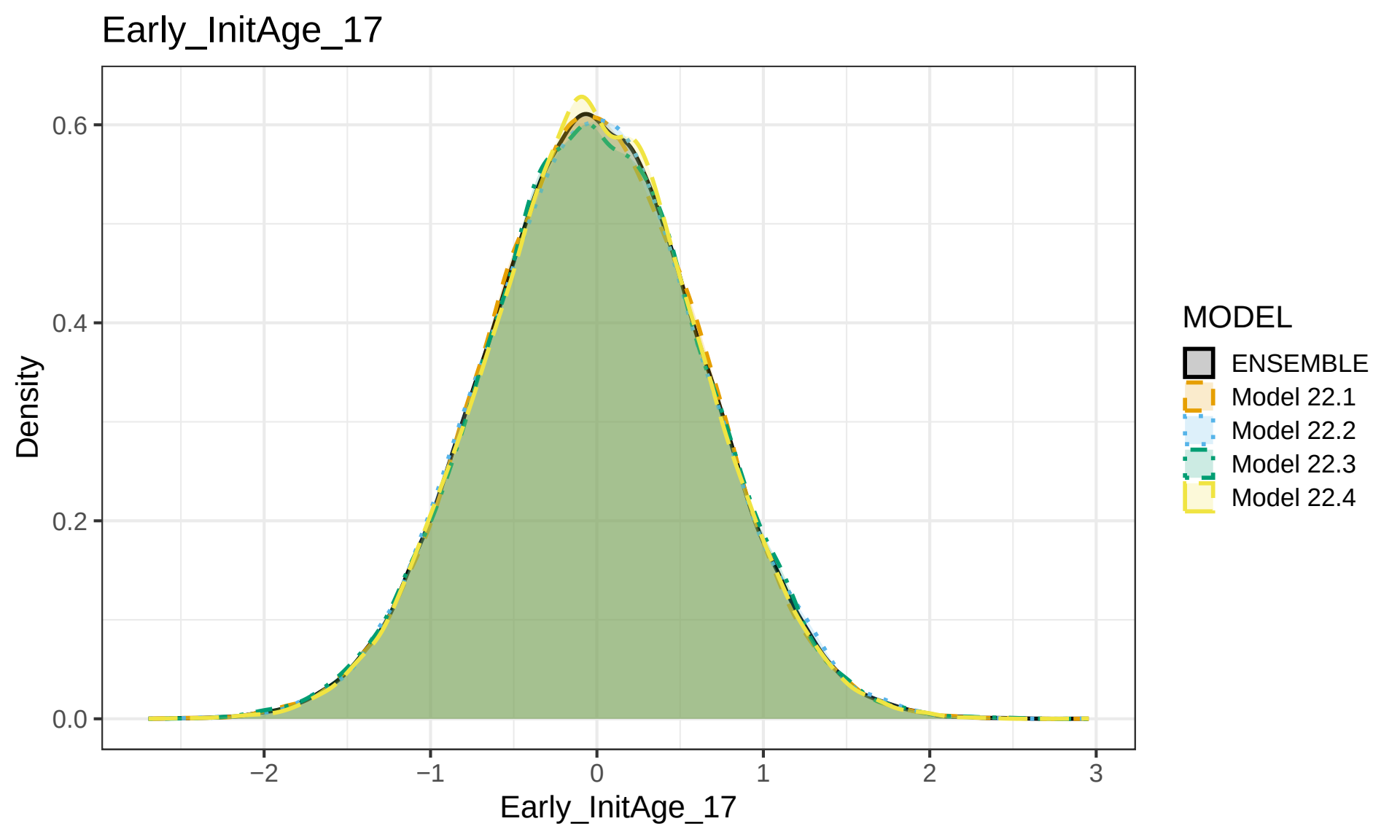

SR_LN(R0)
Density
0
1
2
3
4
12.6
12.8
13.0
13.2
13.4
13.6
SR_LN(R0)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

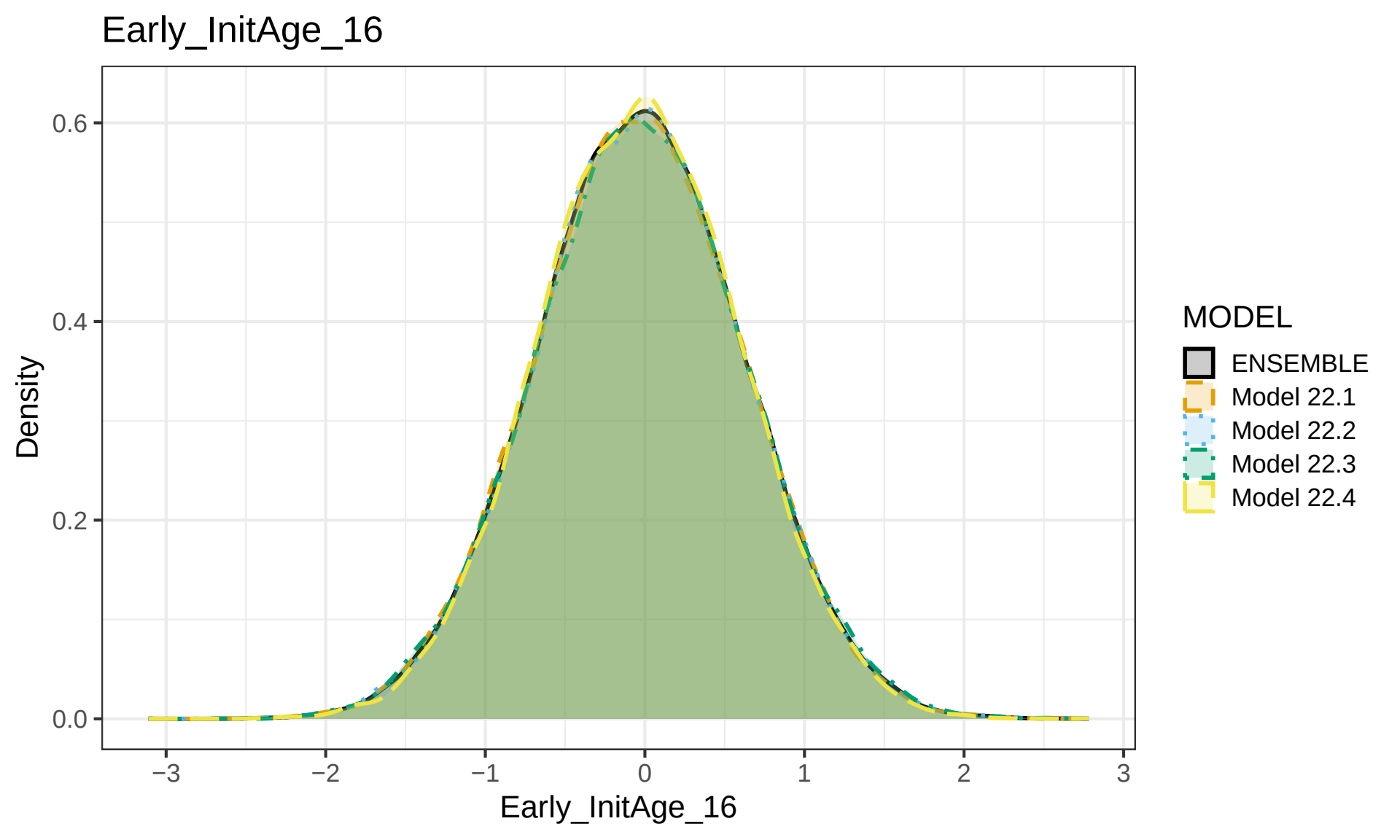

SR_regime_BLK1add_1976
Density
2.0
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
SR_regime_BLK1add_1976
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

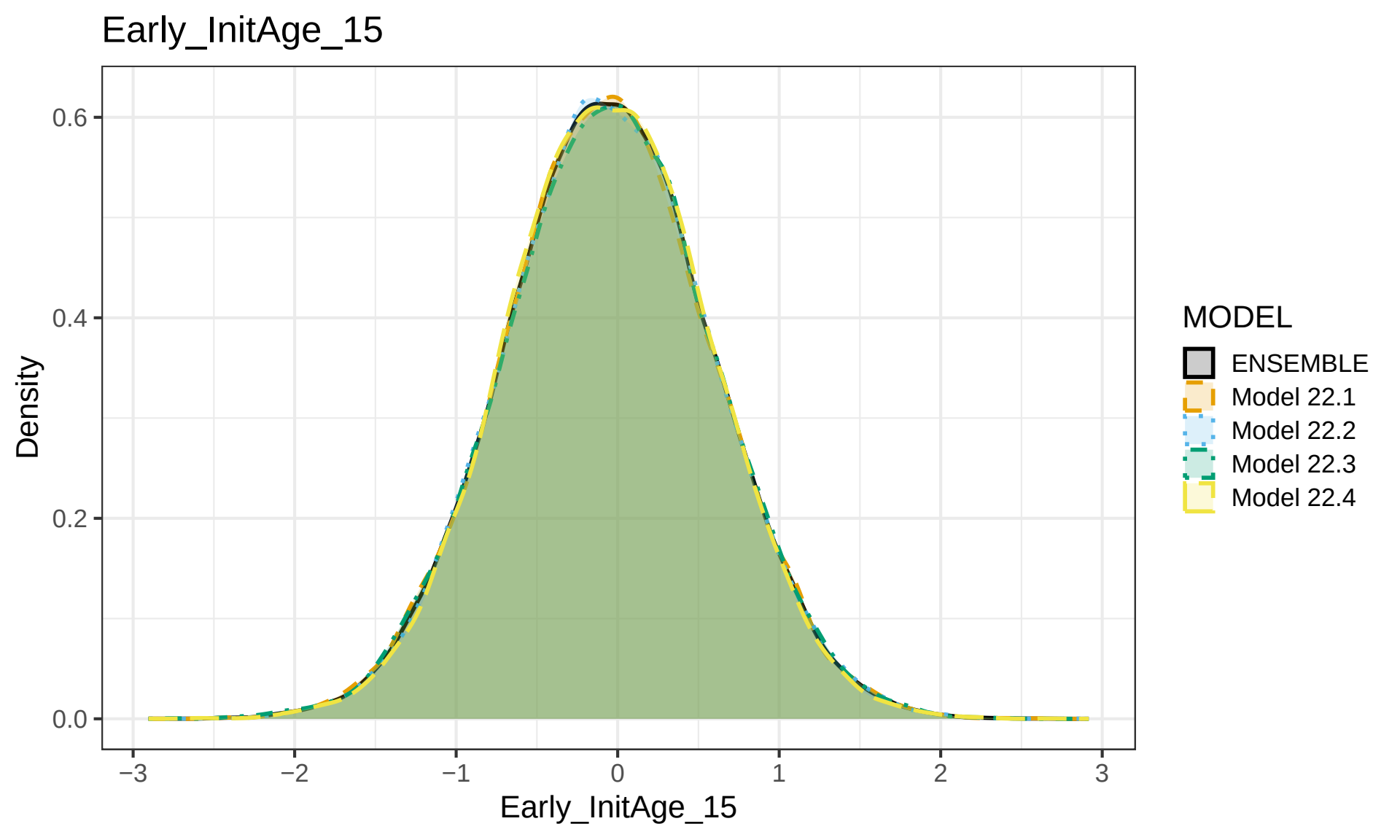

Early_InitAge_20
Density
0.6
0.4
0.2
0.0
−3
−2
−1
0
1
2
3
Early_InitAge_20
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

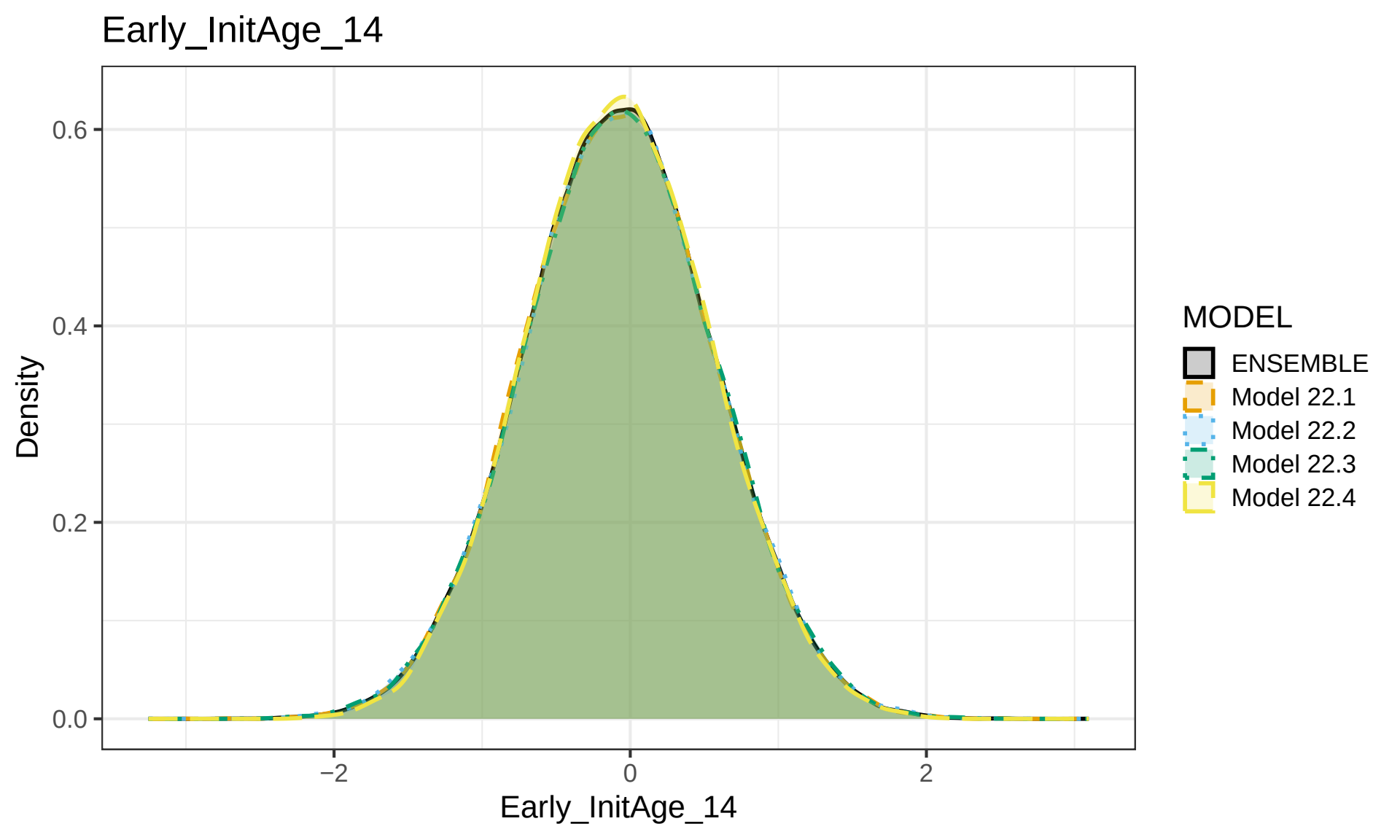

Early_InitAge_19
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
3
Early_InitAge_19
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

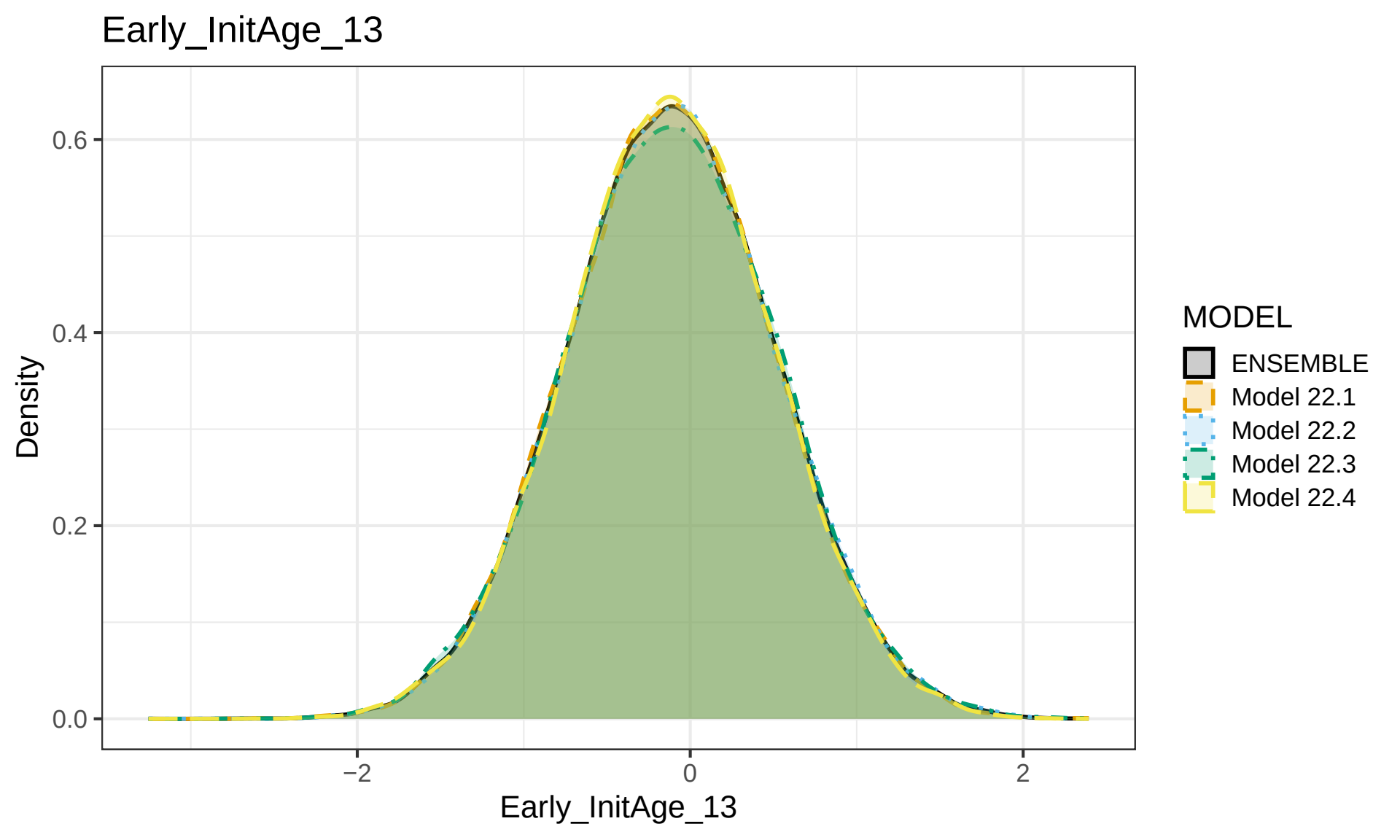

Early_InitAge_18
Density
0.6
0.4
0.2
0.0
−2
0
2
Early_InitAge_18
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

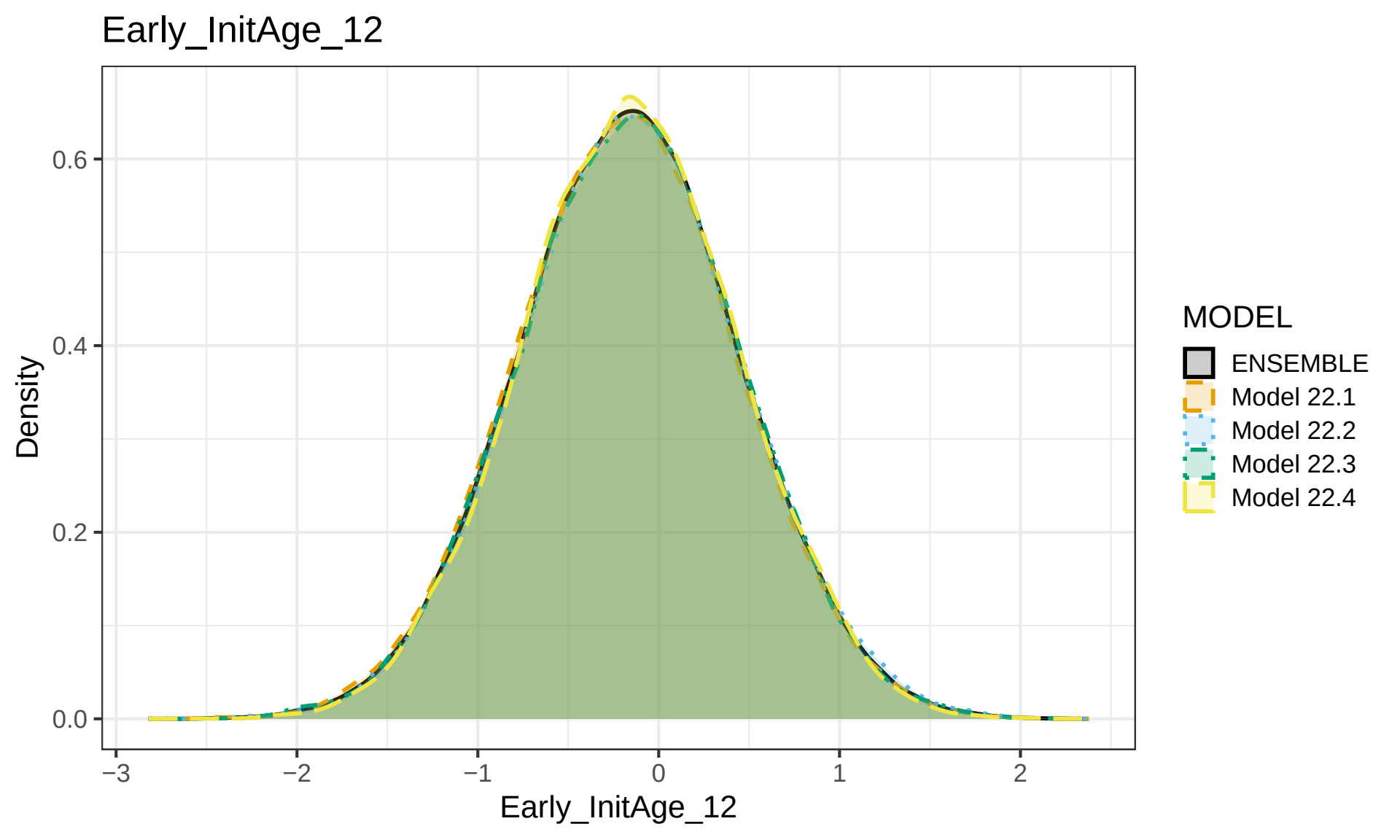

Early_InitAge_17
Density
0.6
0.4
0.2
0.0
−2
−1
0
1
2
3
Early_InitAge_17
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

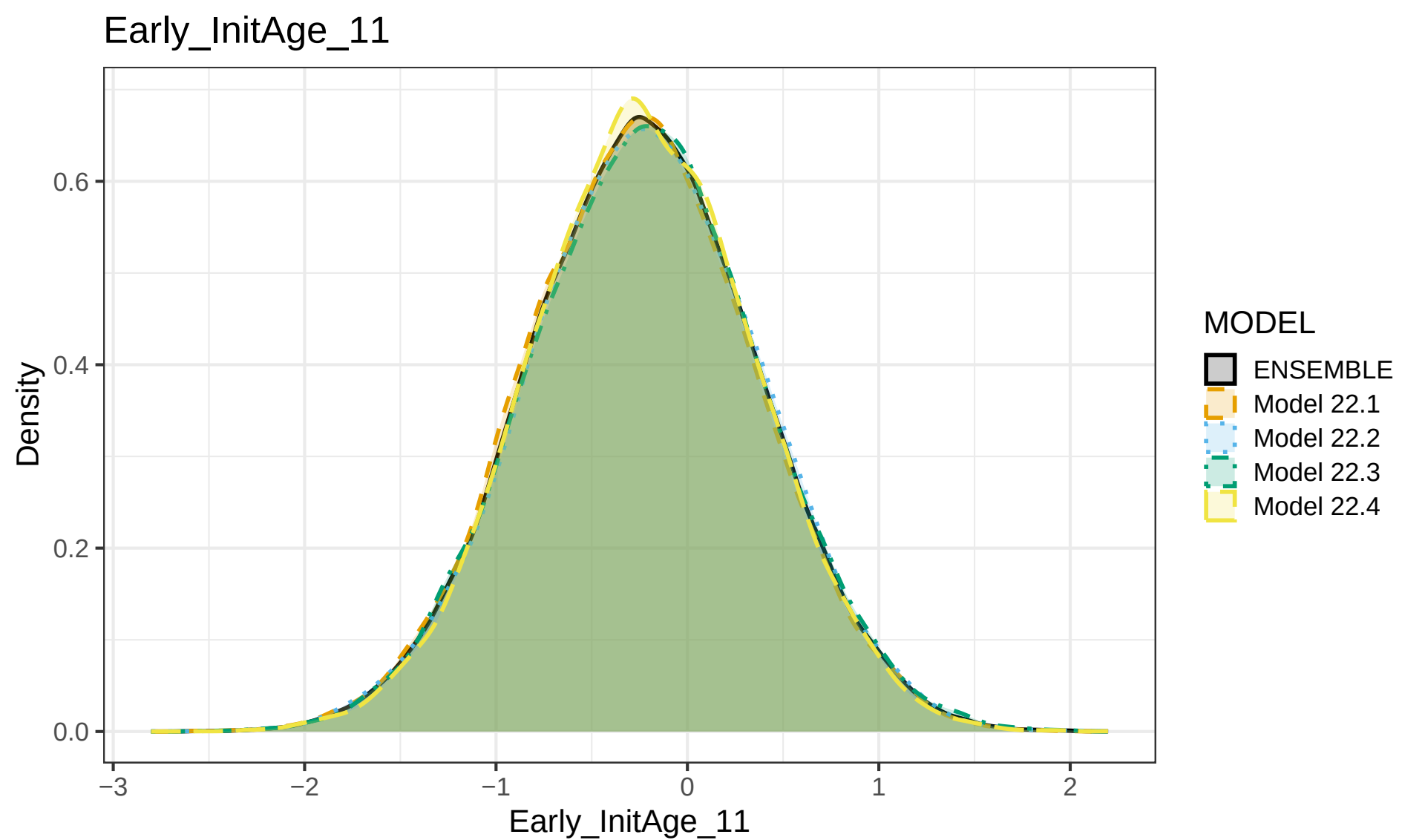

Early_InitAge_16
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
3
Early_InitAge_16
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

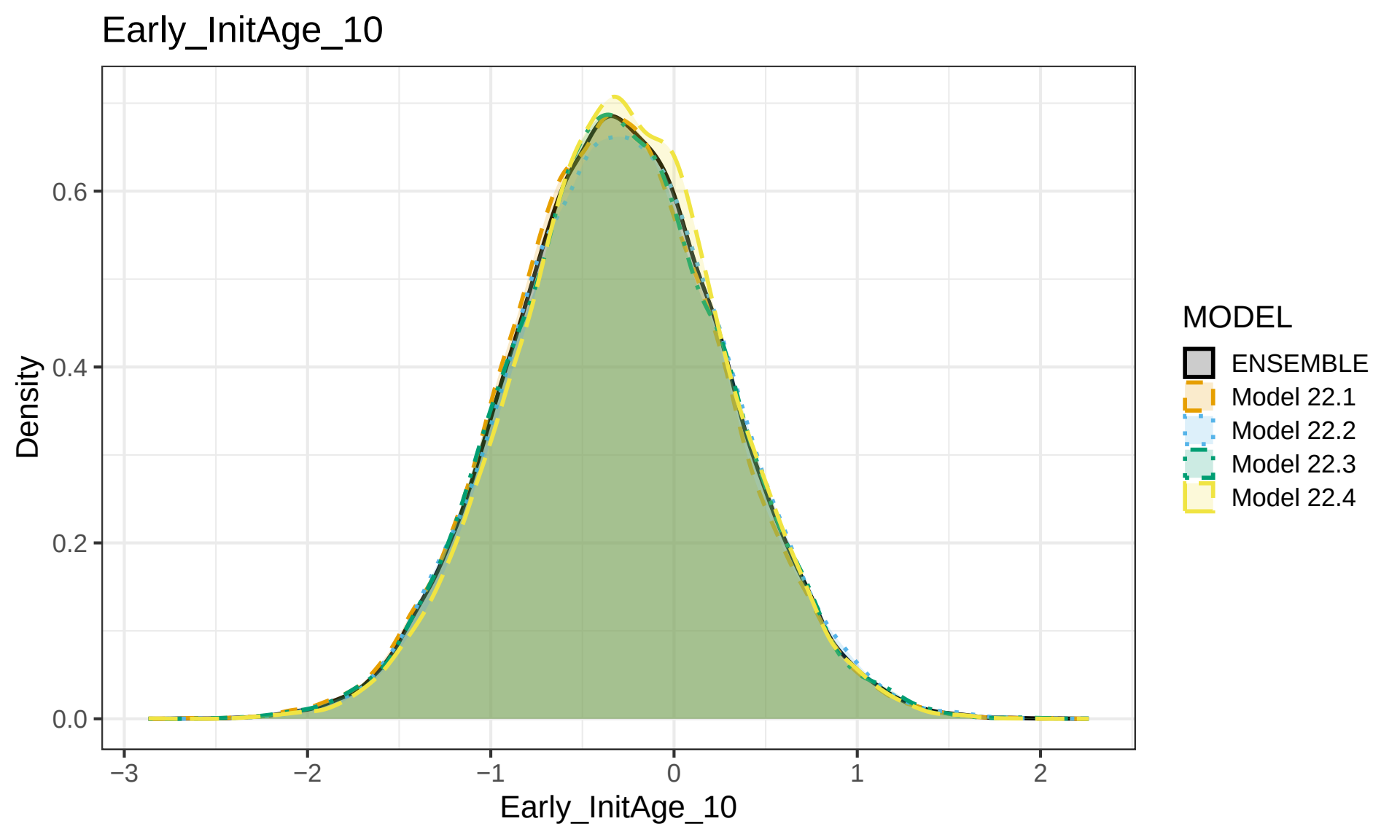

Early_InitAge_15
Density
0.6
0.4
0.2
0.0
−3
−2
−1
0
1
2
3
Early_InitAge_15
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

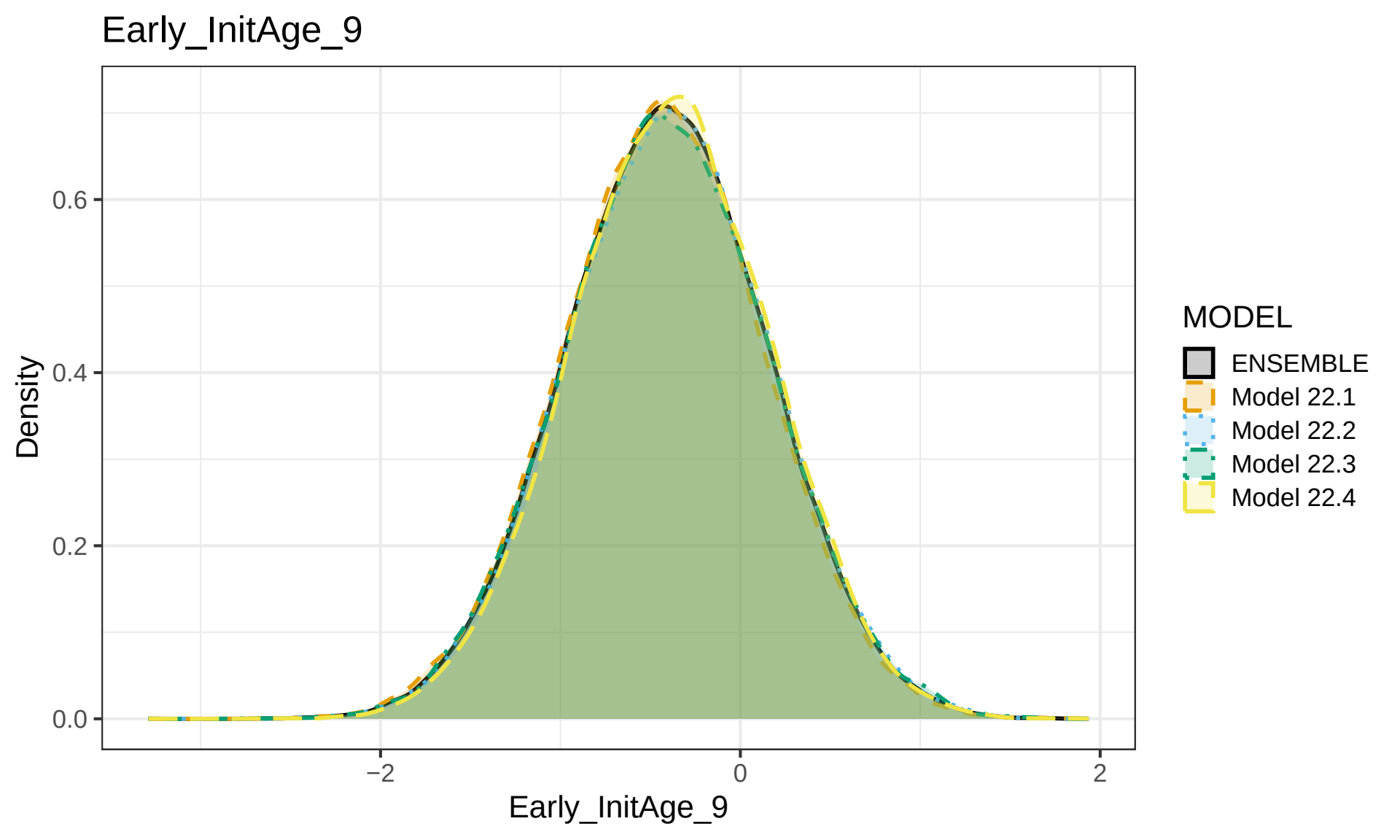

Early_InitAge_14
0.6
0.4
0.2
0.0
Density
−2
0
2
Early_InitAge_14
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

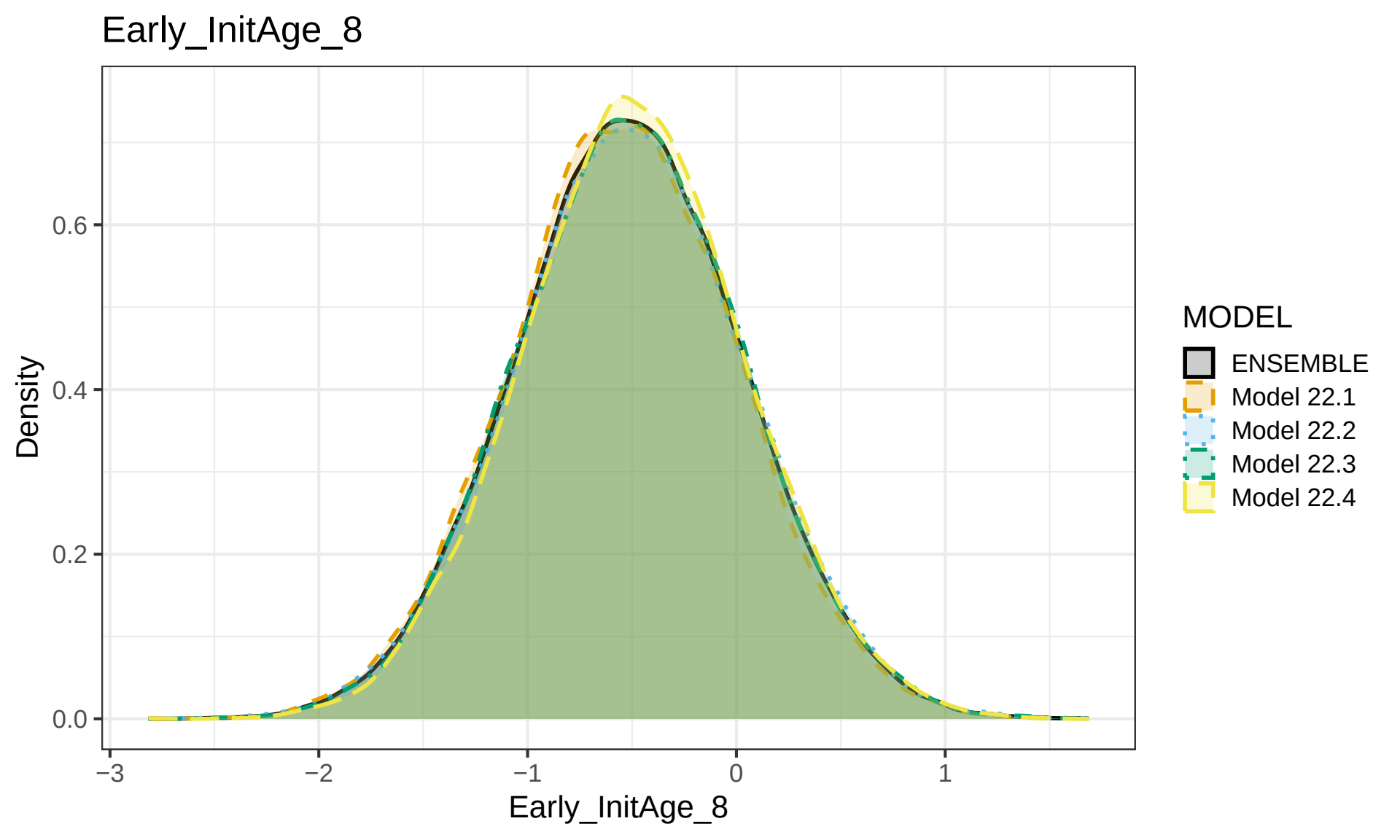

Early_InitAge_13
Density
0.6
0.4
0.2
0.0
−2
0
2
Early_InitAge_13
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

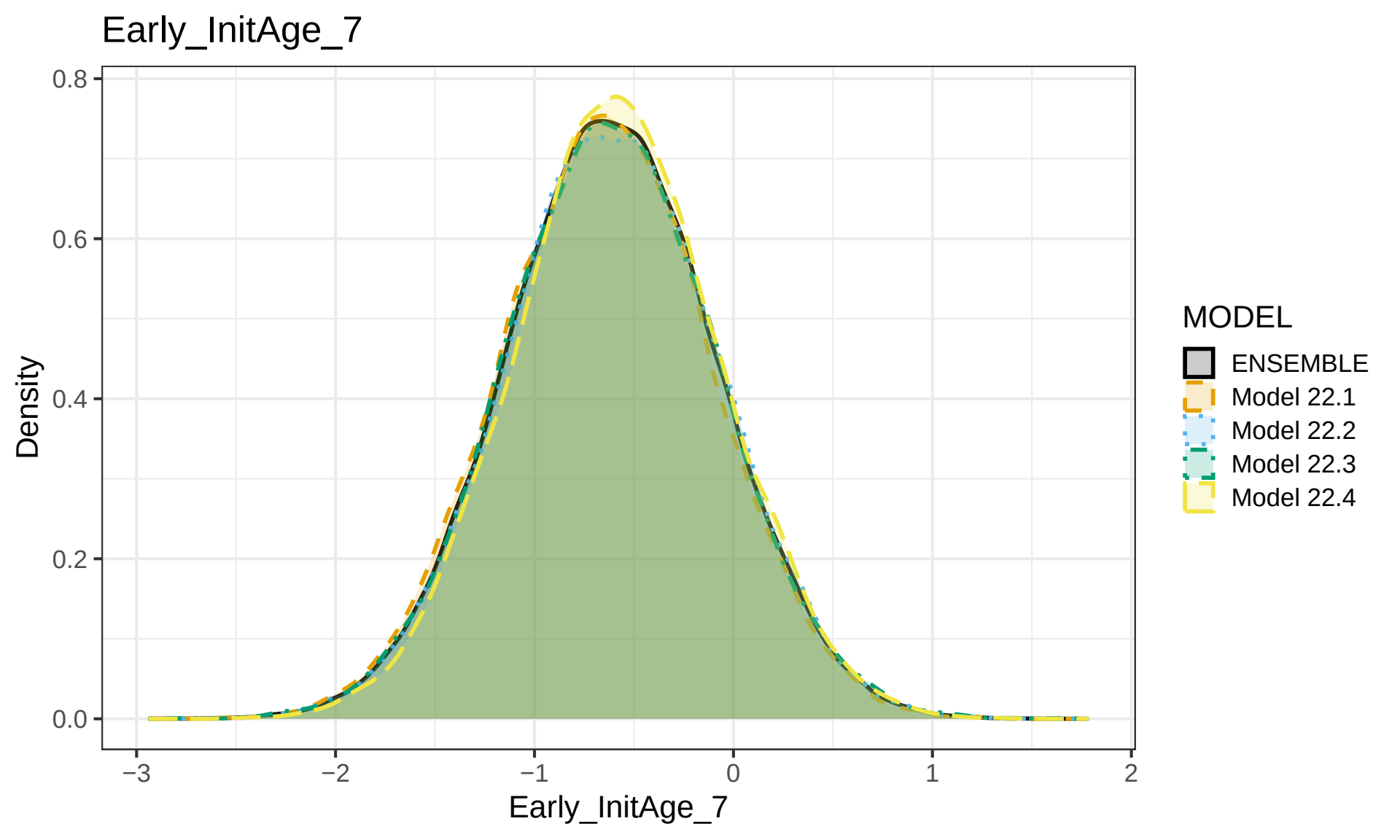

Early_InitAge_12
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
Early_InitAge_12
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

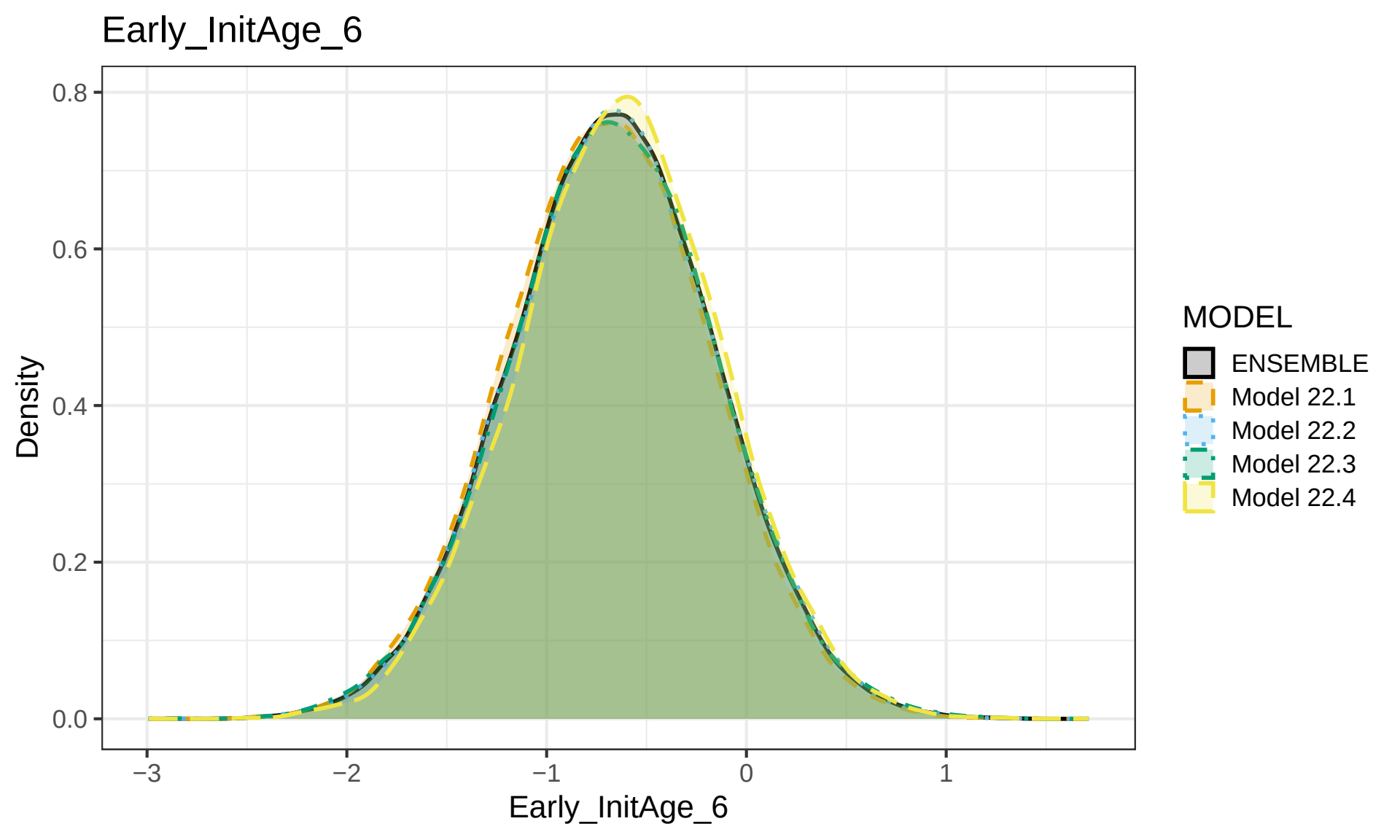

Early_InitAge_11
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
Early_InitAge_11
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

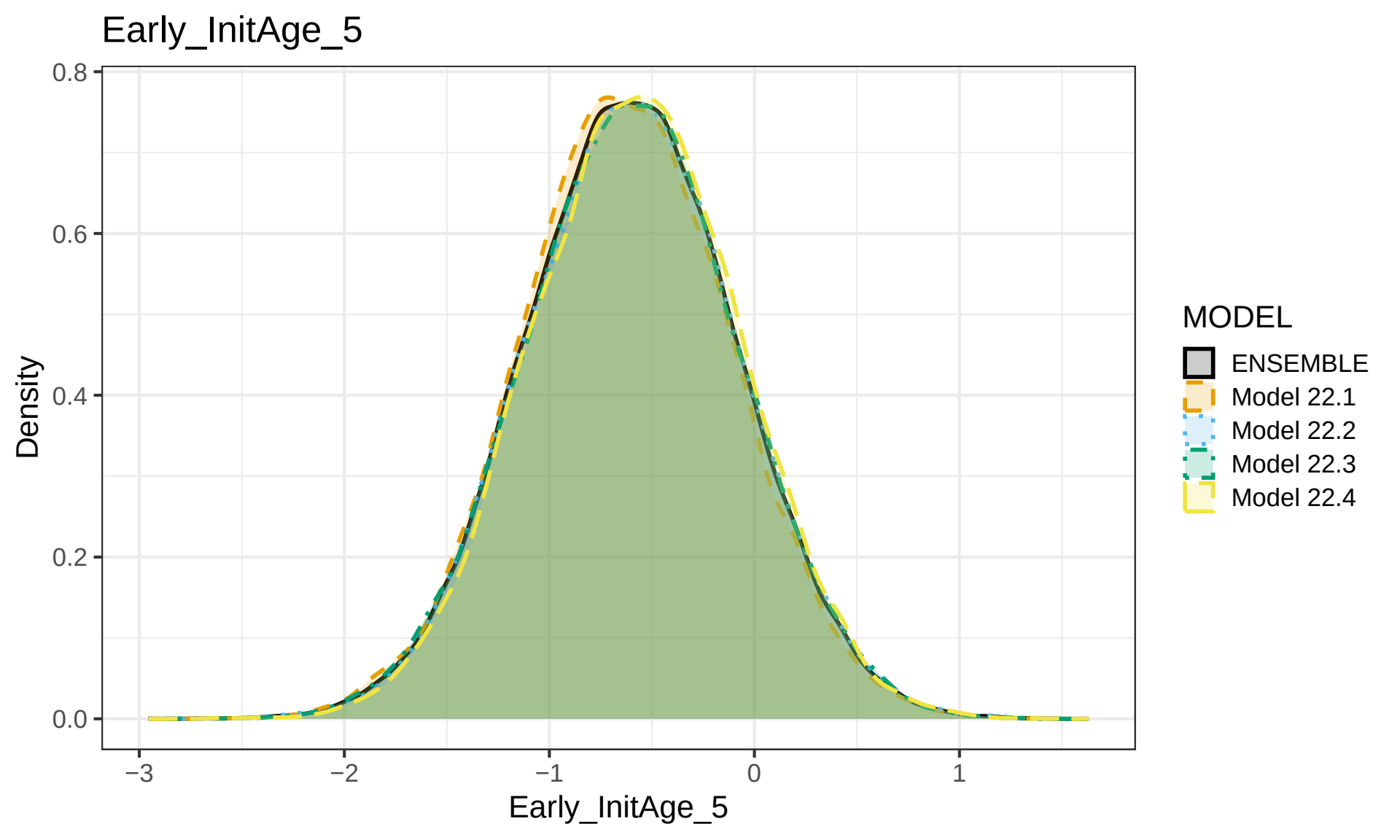

Early_InitAge_10
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
Early_InitAge_10
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

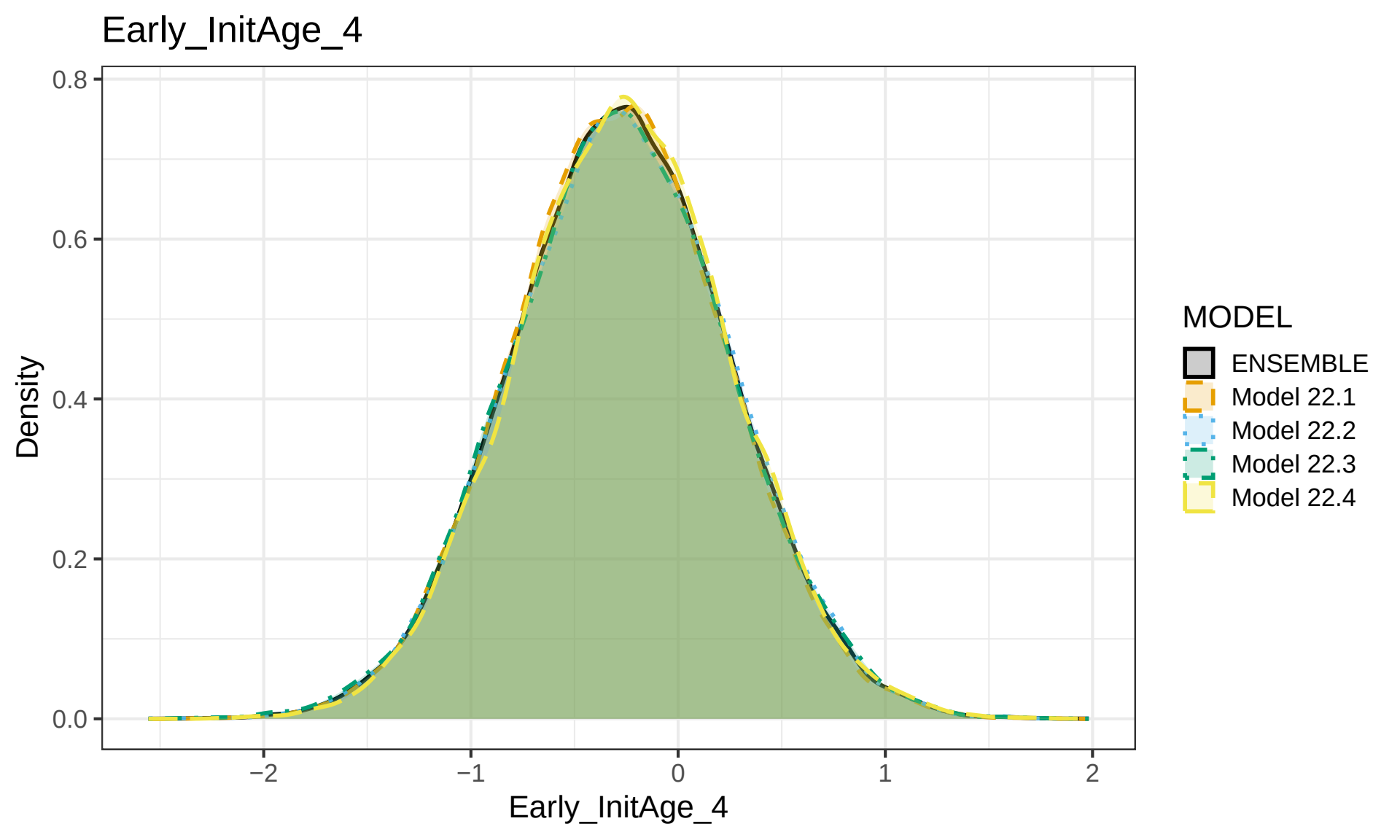

Early_InitAge_9
Density
0.0
0.2
0.4
0.6
−2
0
2
Early_InitAge_9
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

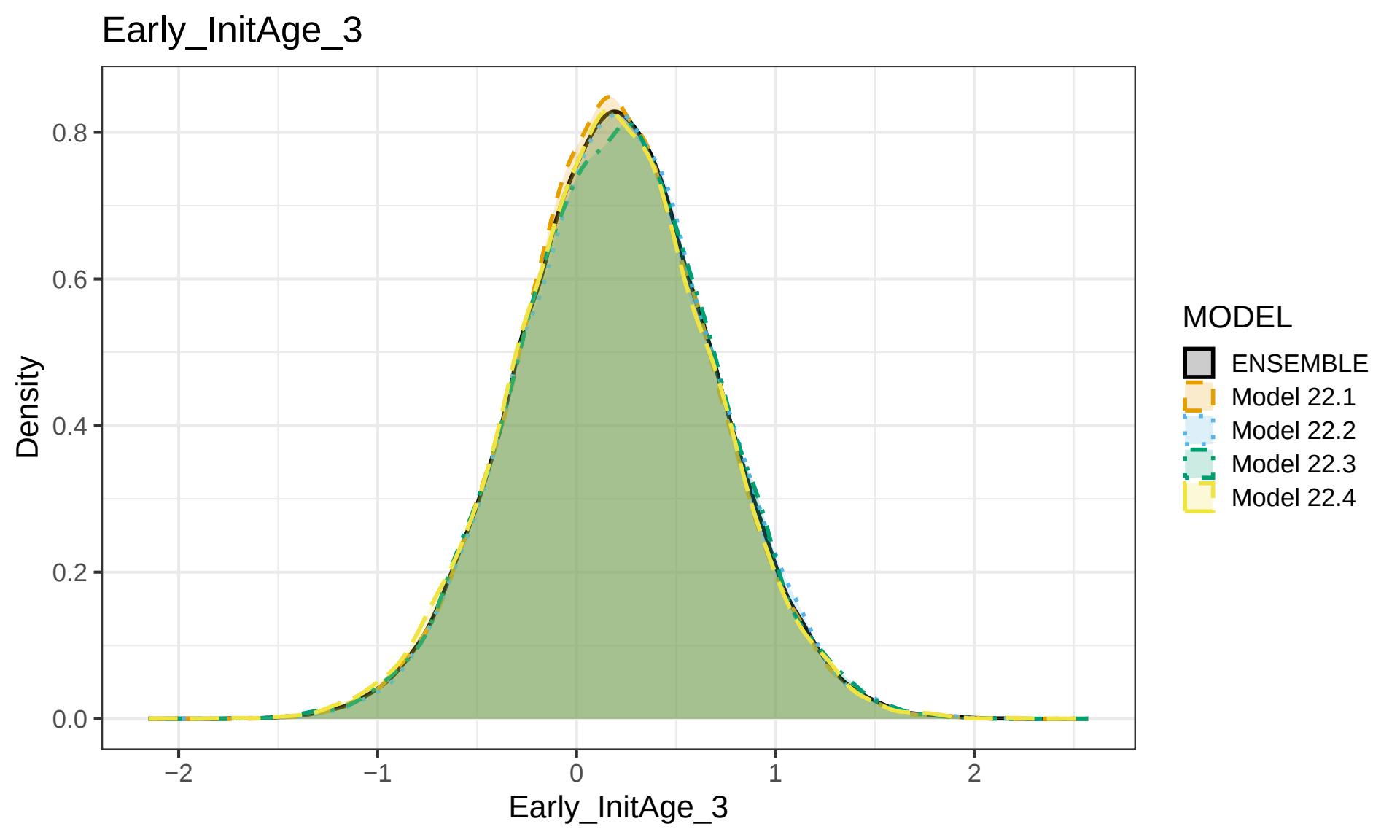

Early_InitAge_8
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
Early_InitAge_8
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

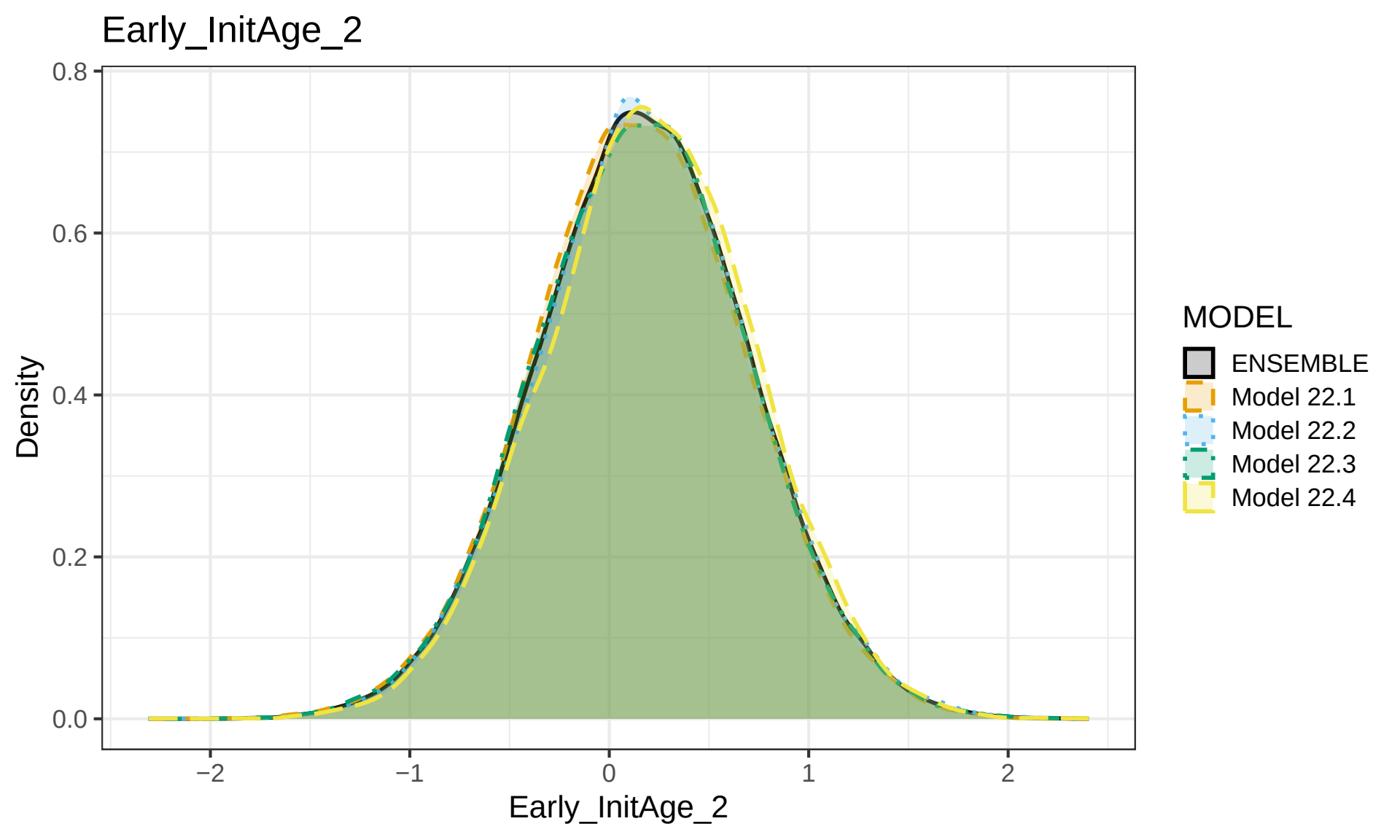

Early_InitAge_7
0.8
0.6
0.4
0.2
0.0
Density
−3
−2
−1
0
1
2
Early_InitAge_7
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

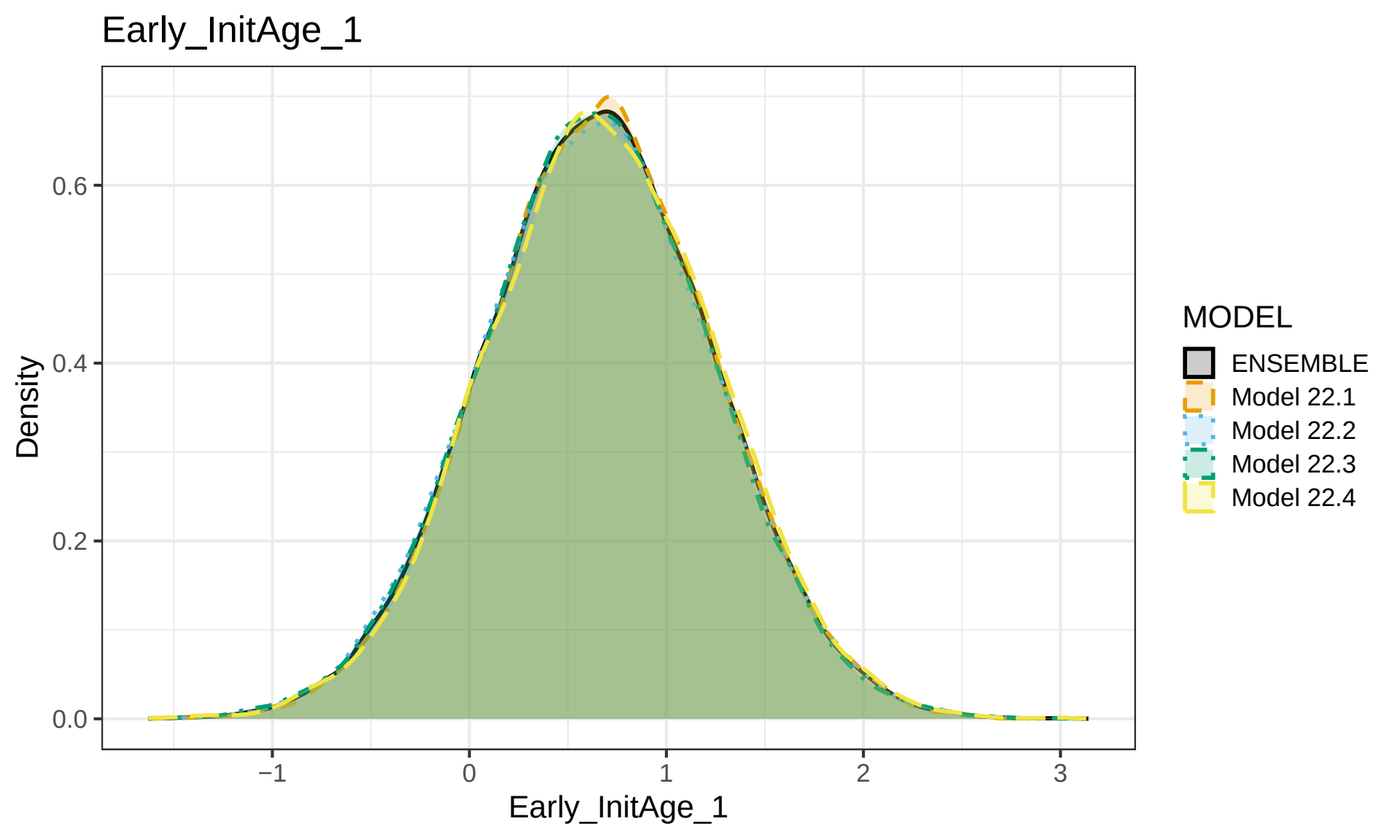

Early_InitAge_6
0.8
0.6
0.4
0.2
0.0
Density
−3
−2
−1
0
1
Early_InitAge_6
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

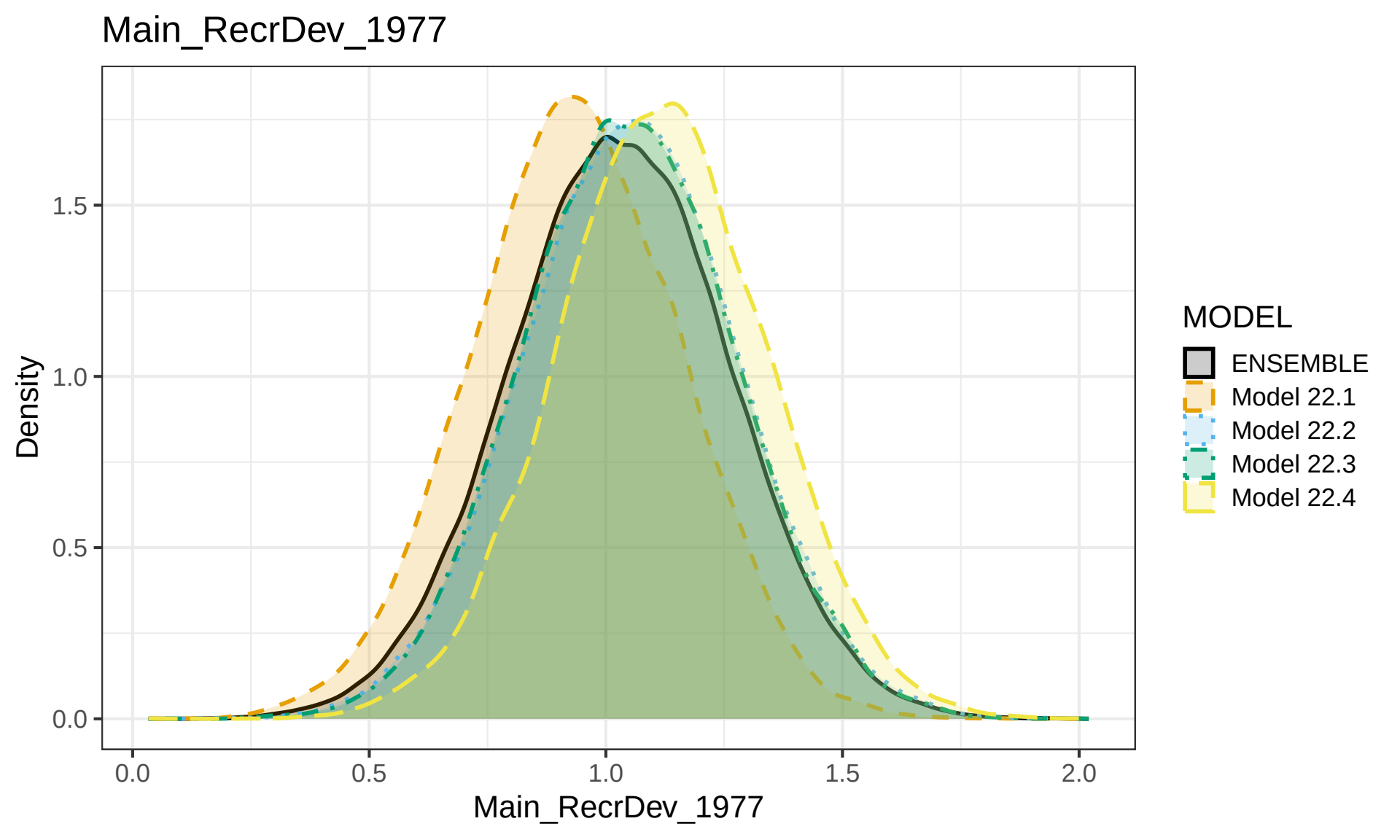

Early_InitAge_5
0.8
0.6
0.4
0.2
0.0
Density
−3
−2
−1
0
1
Early_InitAge_5
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

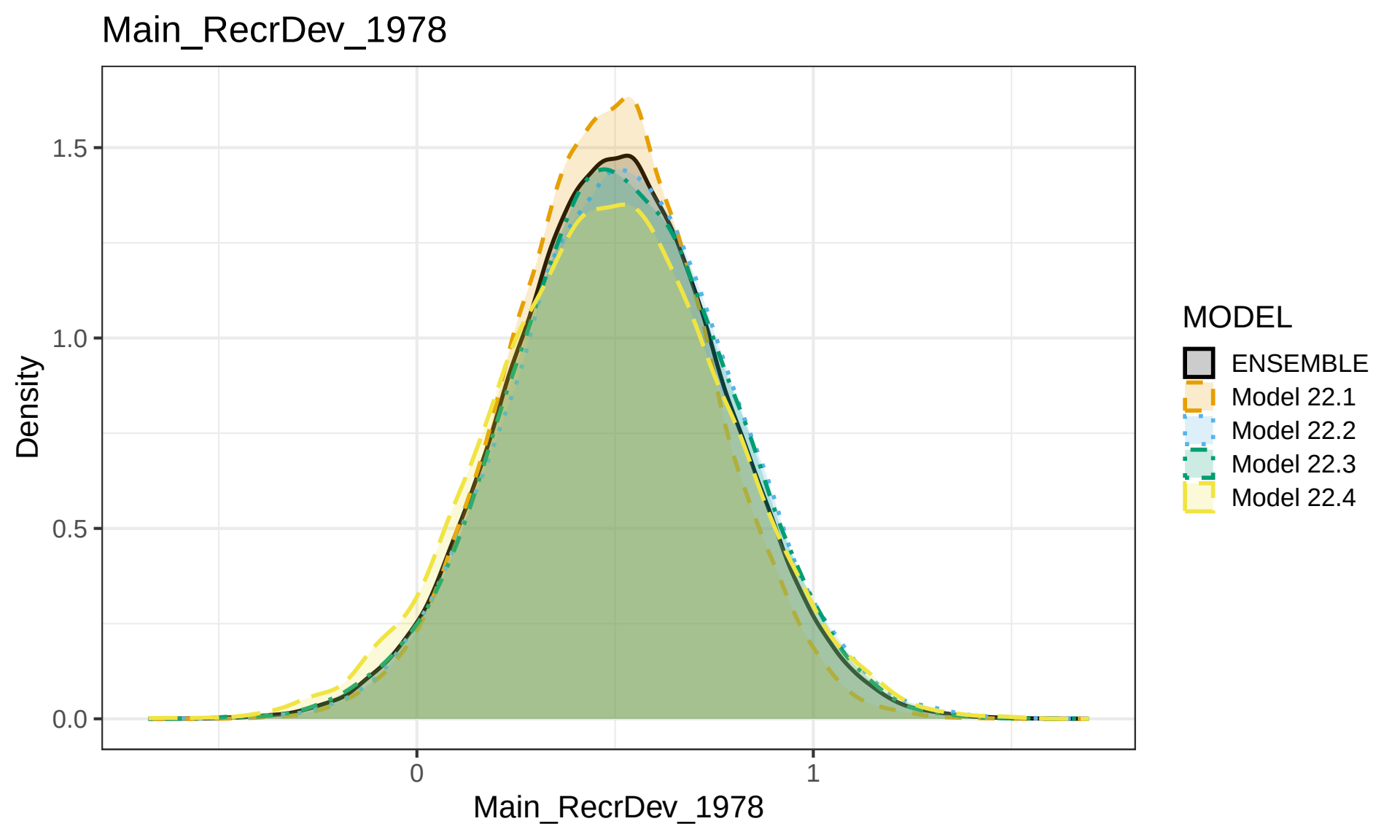

Early_InitAge_4
0.8
0.6
0.4
0.2
0.0
Density
−2
−1
0
1
2
Early_InitAge_4
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

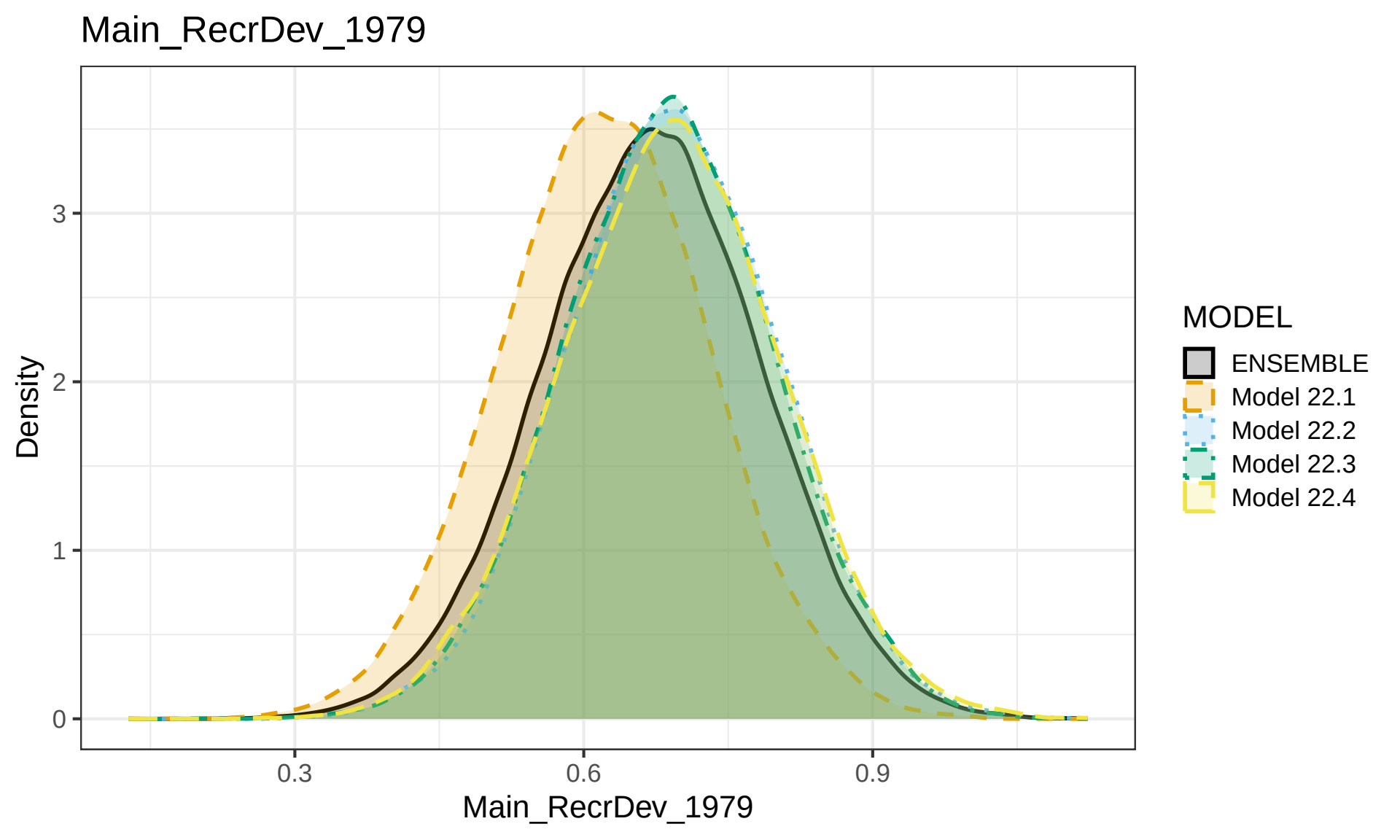

Early_InitAge_3
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Early_InitAge_3
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

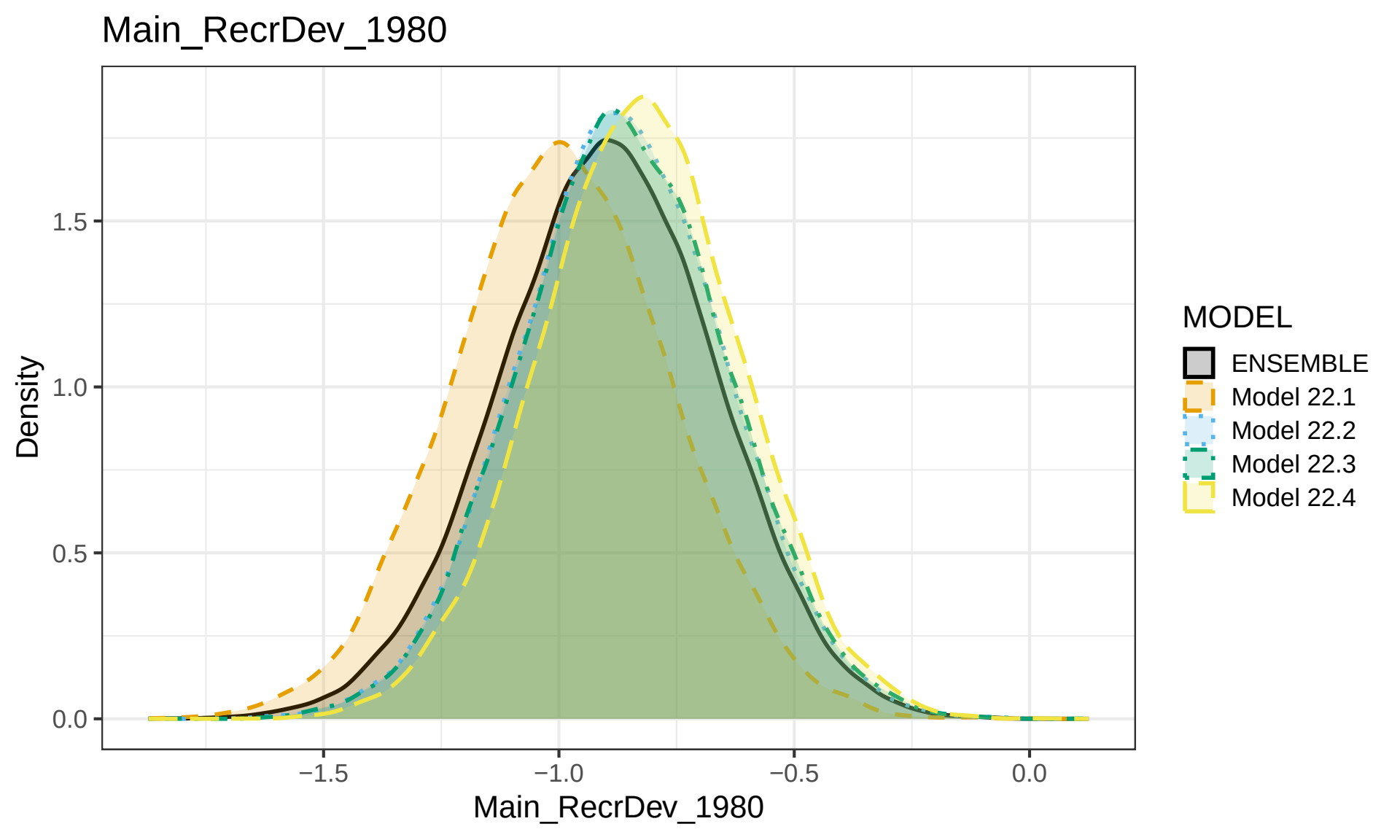

Early_InitAge_2
0.8
0.6
0.4
0.2
0.0
Density
−2
−1
0
1
2
Early_InitAge_2
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

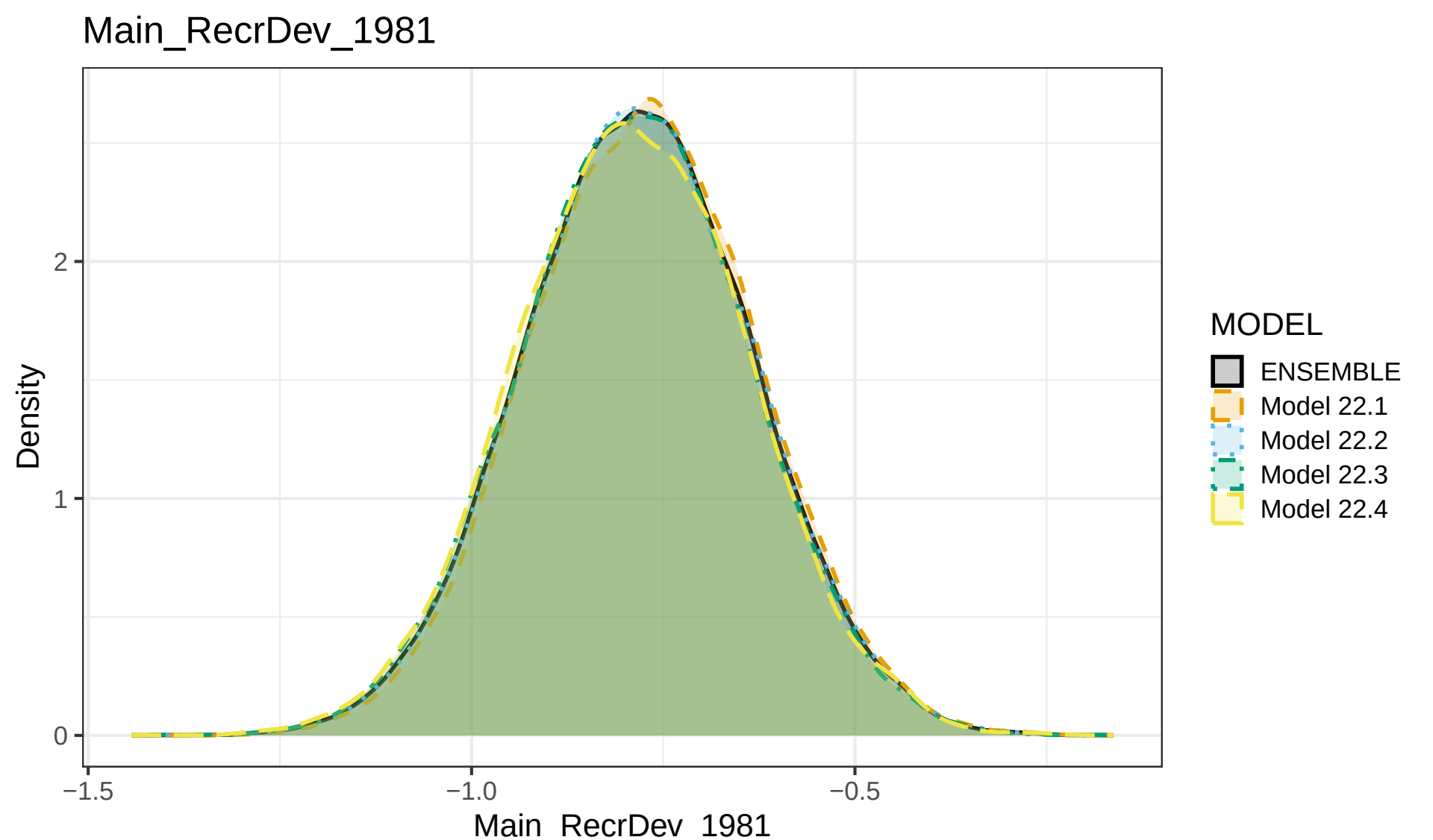

Early_InitAge_1
Density
0.0
0.2
0.4
0.6
−1
0
1
2
3
Early_InitAge_1
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

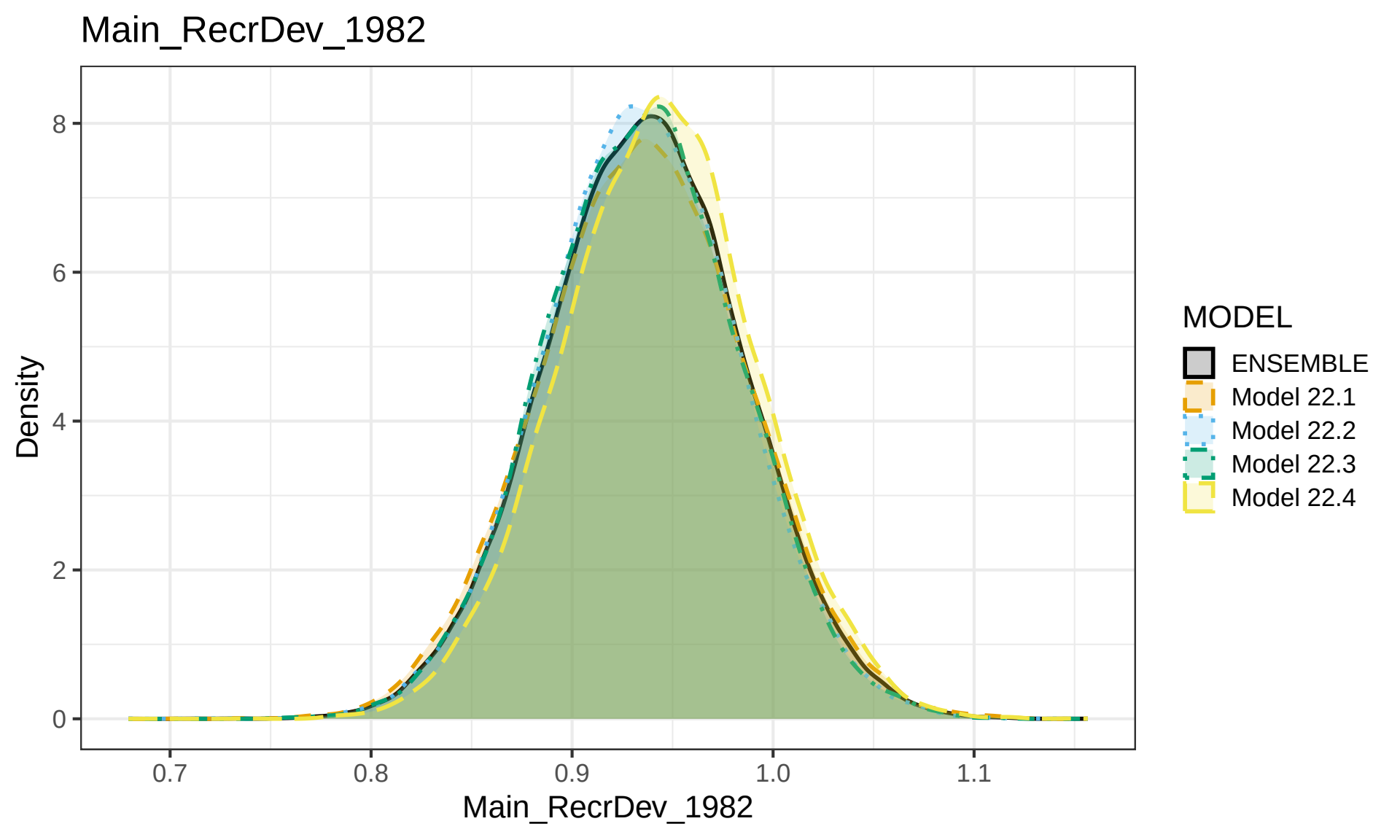

Main_RecrDev_1977
Density
1.5
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
Main_RecrDev_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

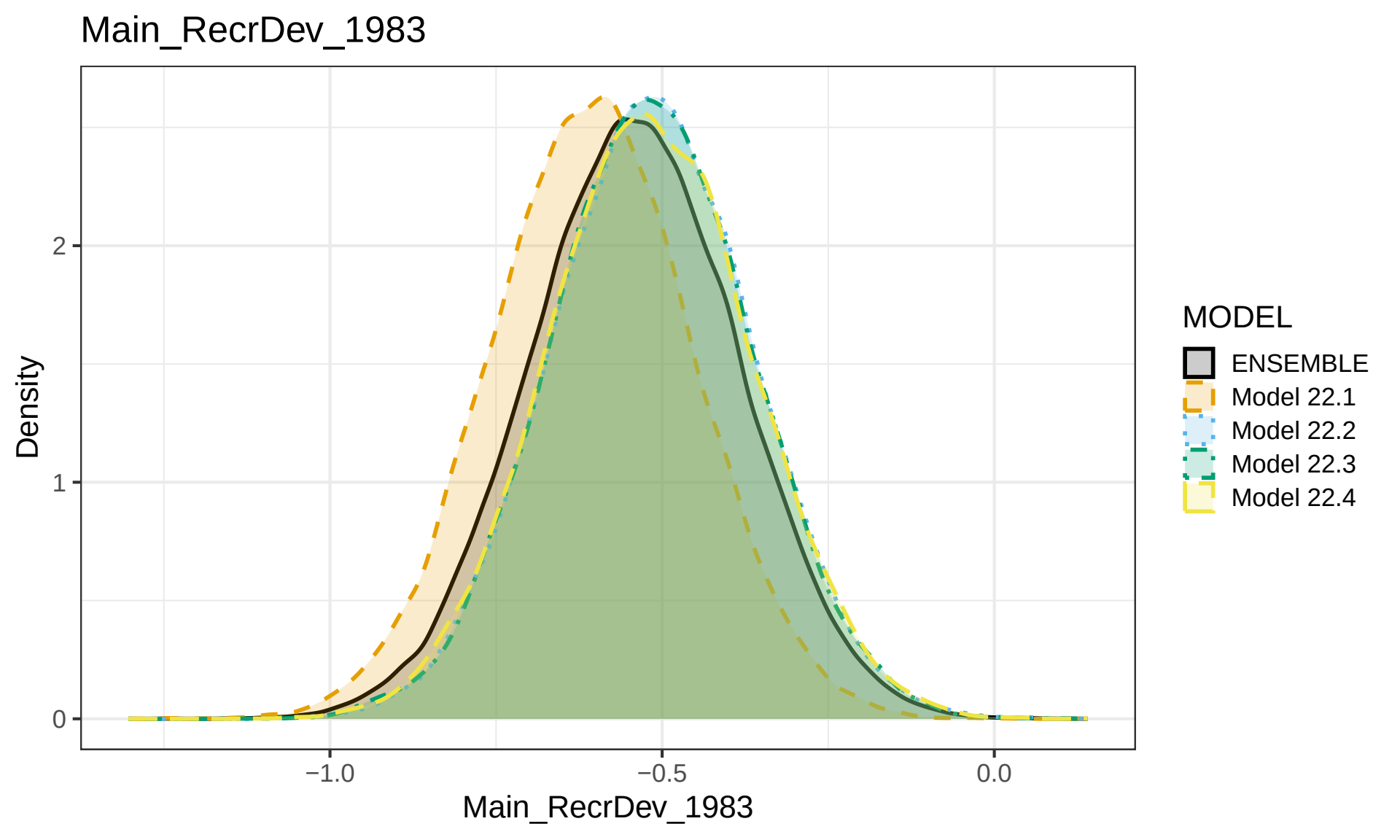

Main_RecrDev_1978
Density
1.5
1.0
0.5
0.0
0
1
Main_RecrDev_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

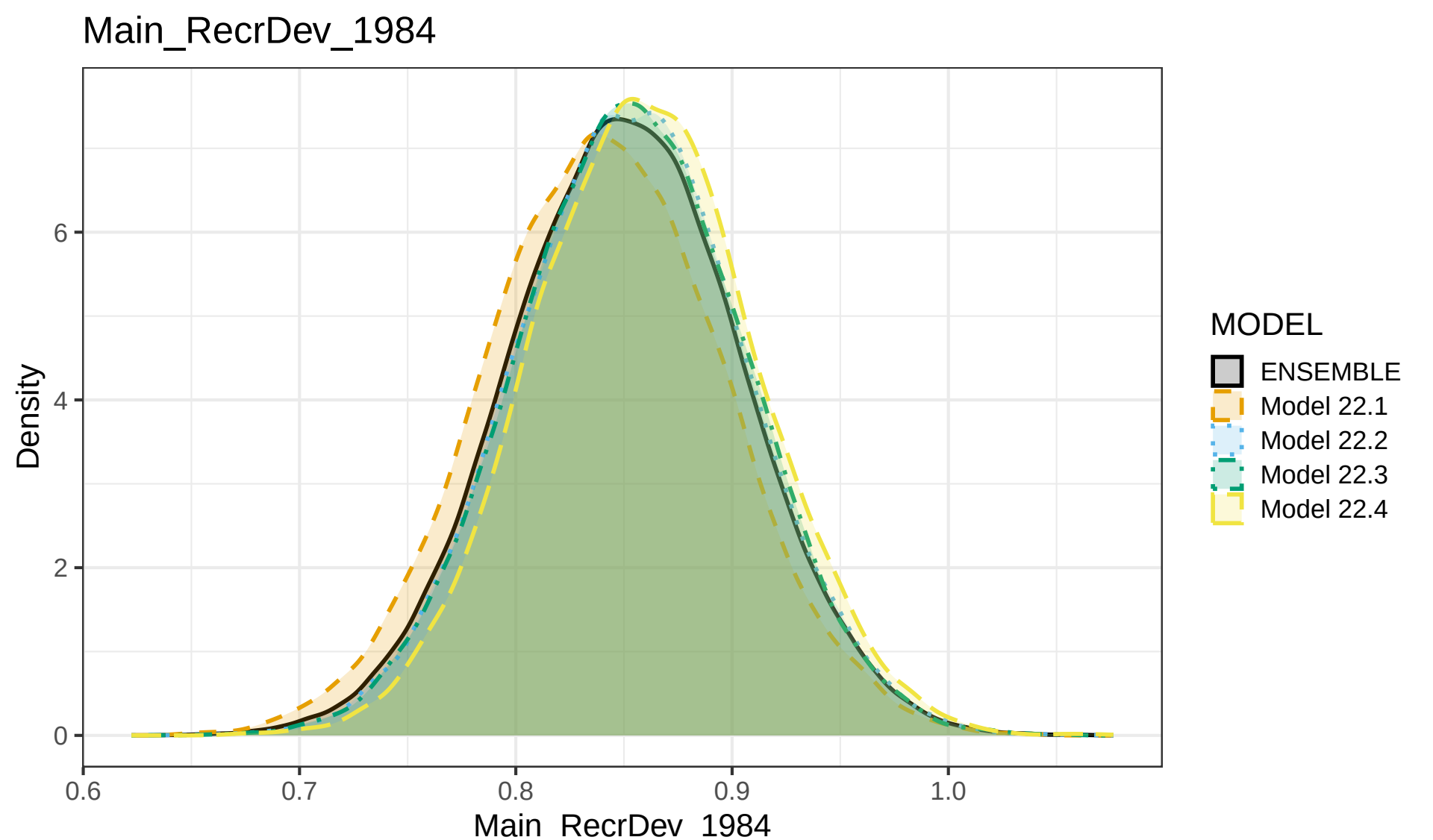

Main_RecrDev_1979
Density
0
1
2
3
0.3
0.6
0.9
Main_RecrDev_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

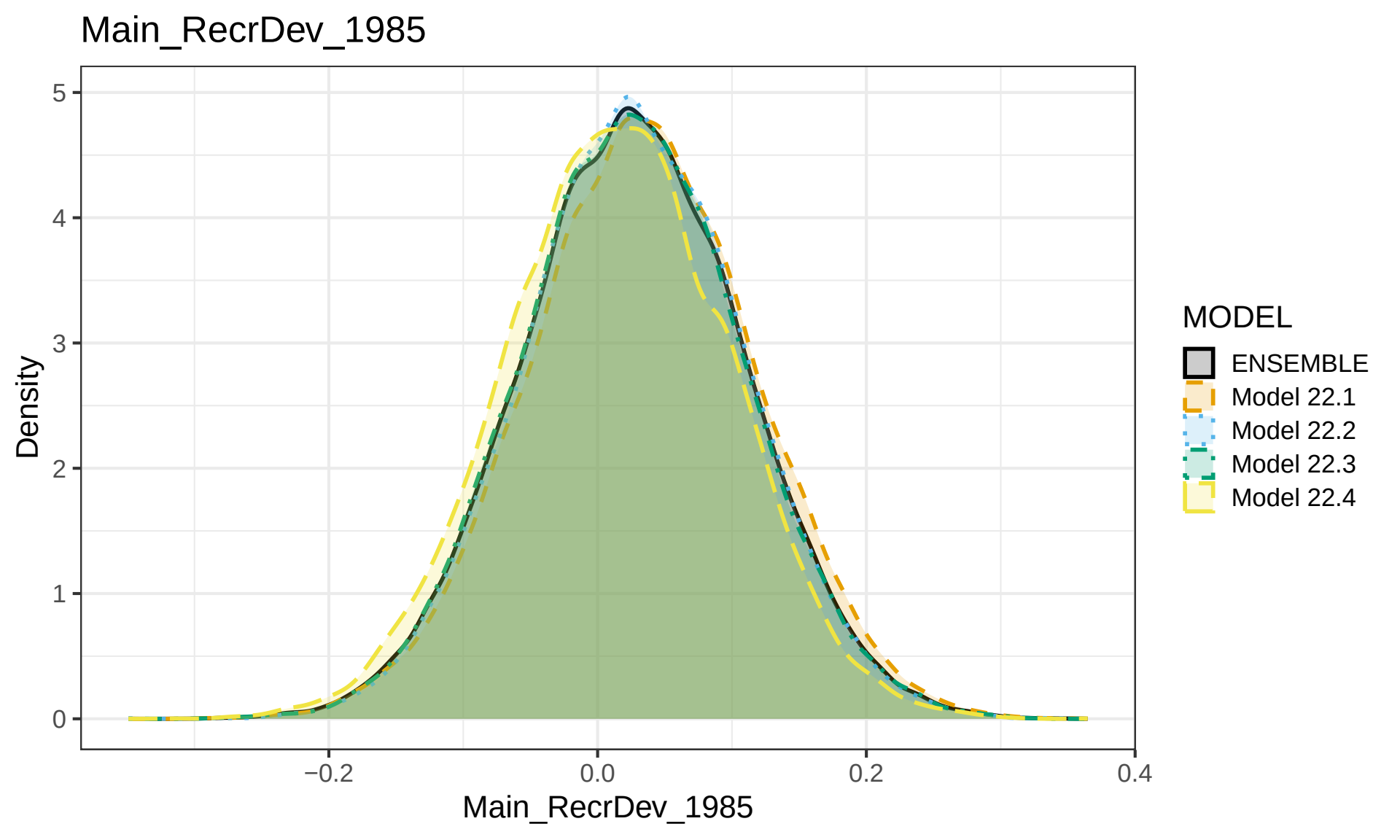

Main_RecrDev_1980
Density
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
Main_RecrDev_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

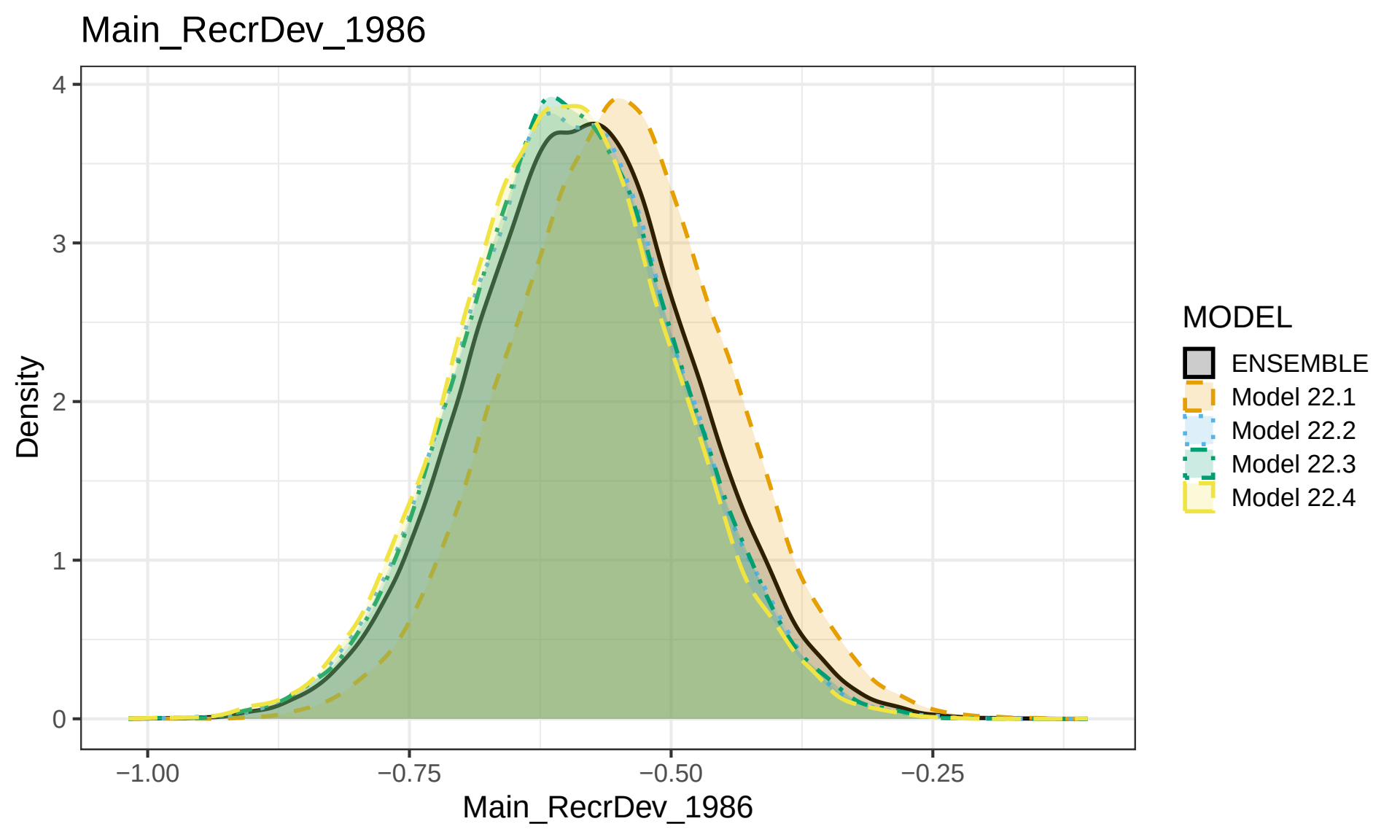

Main_RecrDev_1981
Density
2
1
0
−1.5
−1.0
−0.5
Main_RecrDev_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

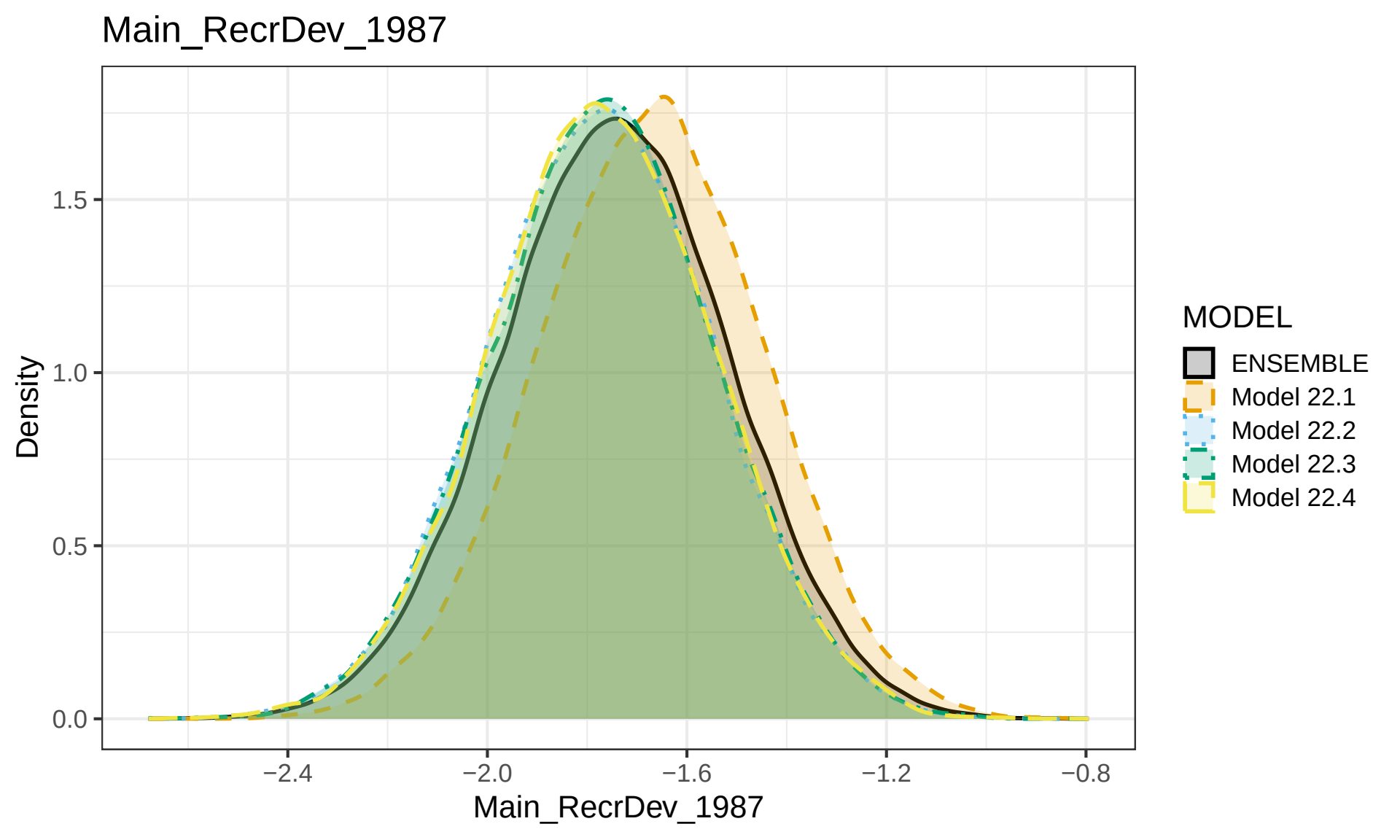

Main_RecrDev_1982
Density
8
6
4
2
0
0.7
0.8
0.9
1.0
1.1
Main_RecrDev_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

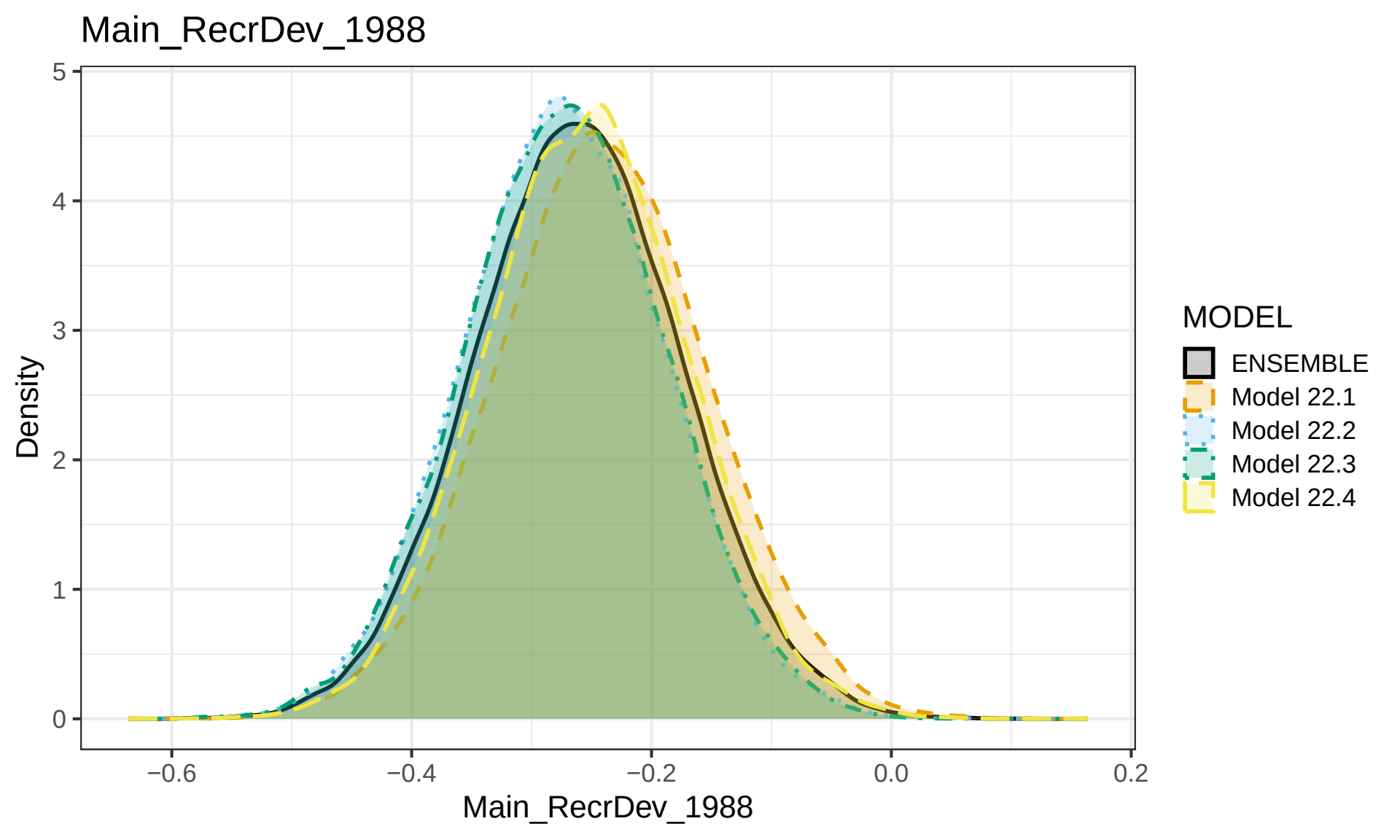

Main_RecrDev_1983
Density
2
1
0
−1.0
−0.5
0.0
Main_RecrDev_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

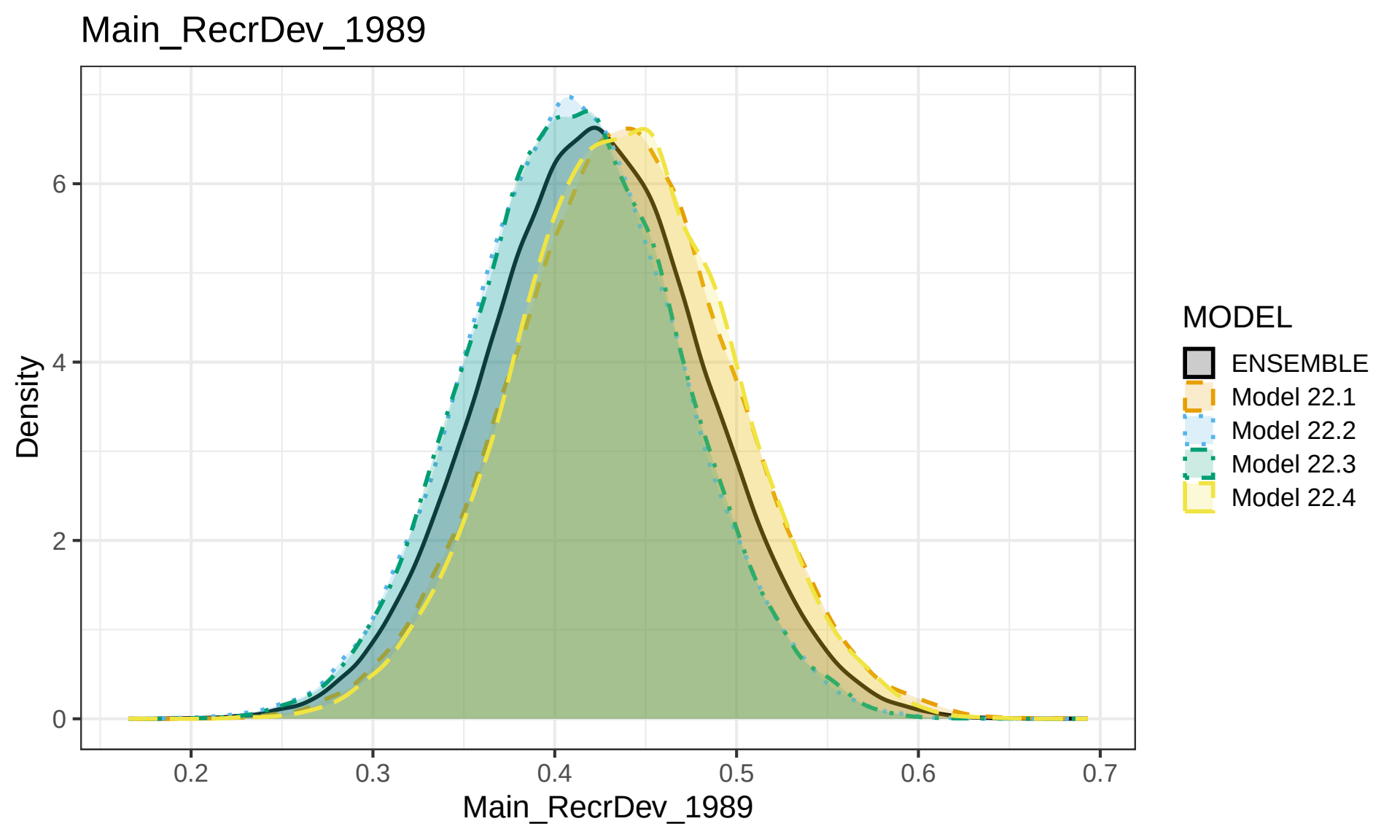

Main_RecrDev_1984
Density
6
4
2
0
0.6
0.7
0.8
0.9
1.0
Main_RecrDev_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

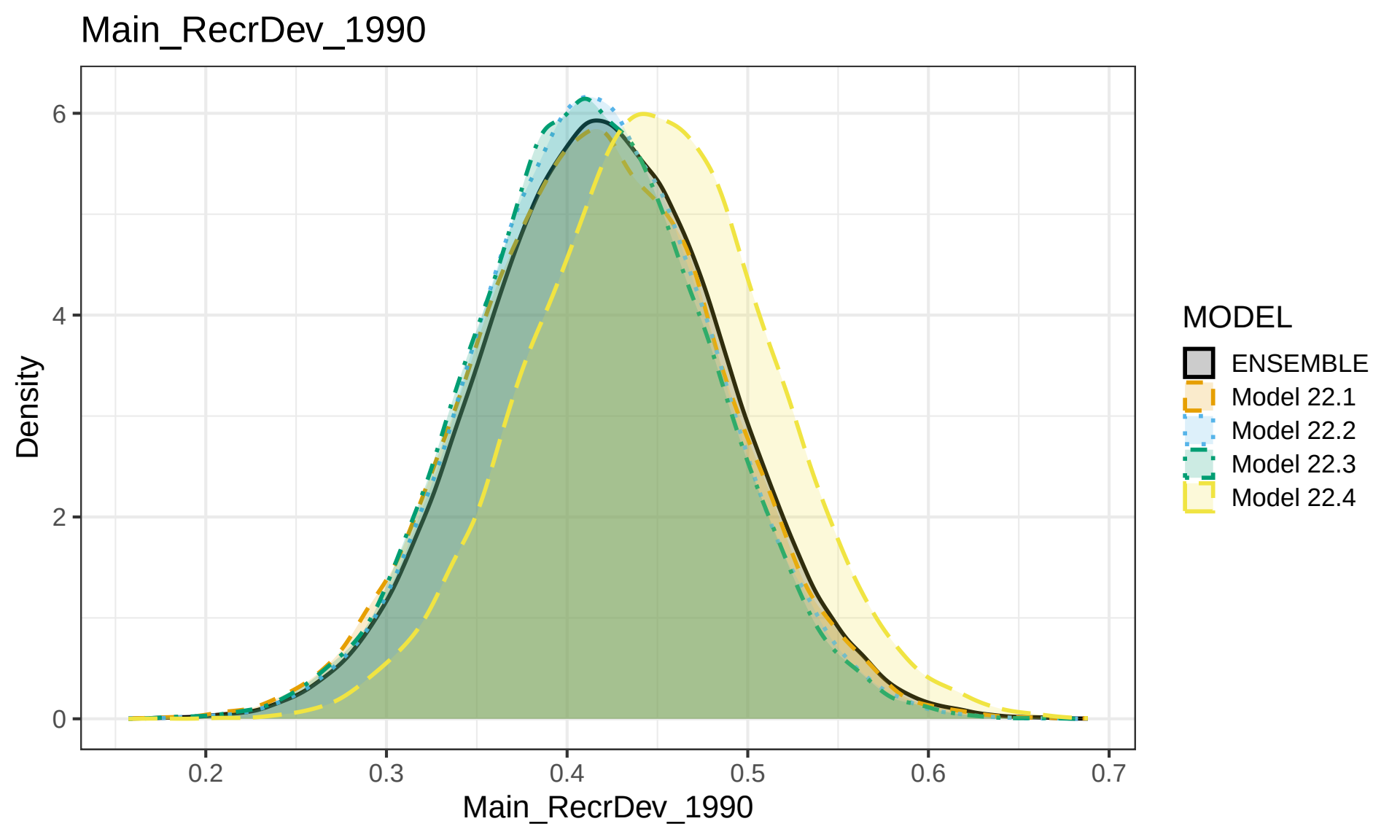

Main_RecrDev_1985
Density
5
4
3
2
1
0
−0.2
0.0
0.2
0.4
Main_RecrDev_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

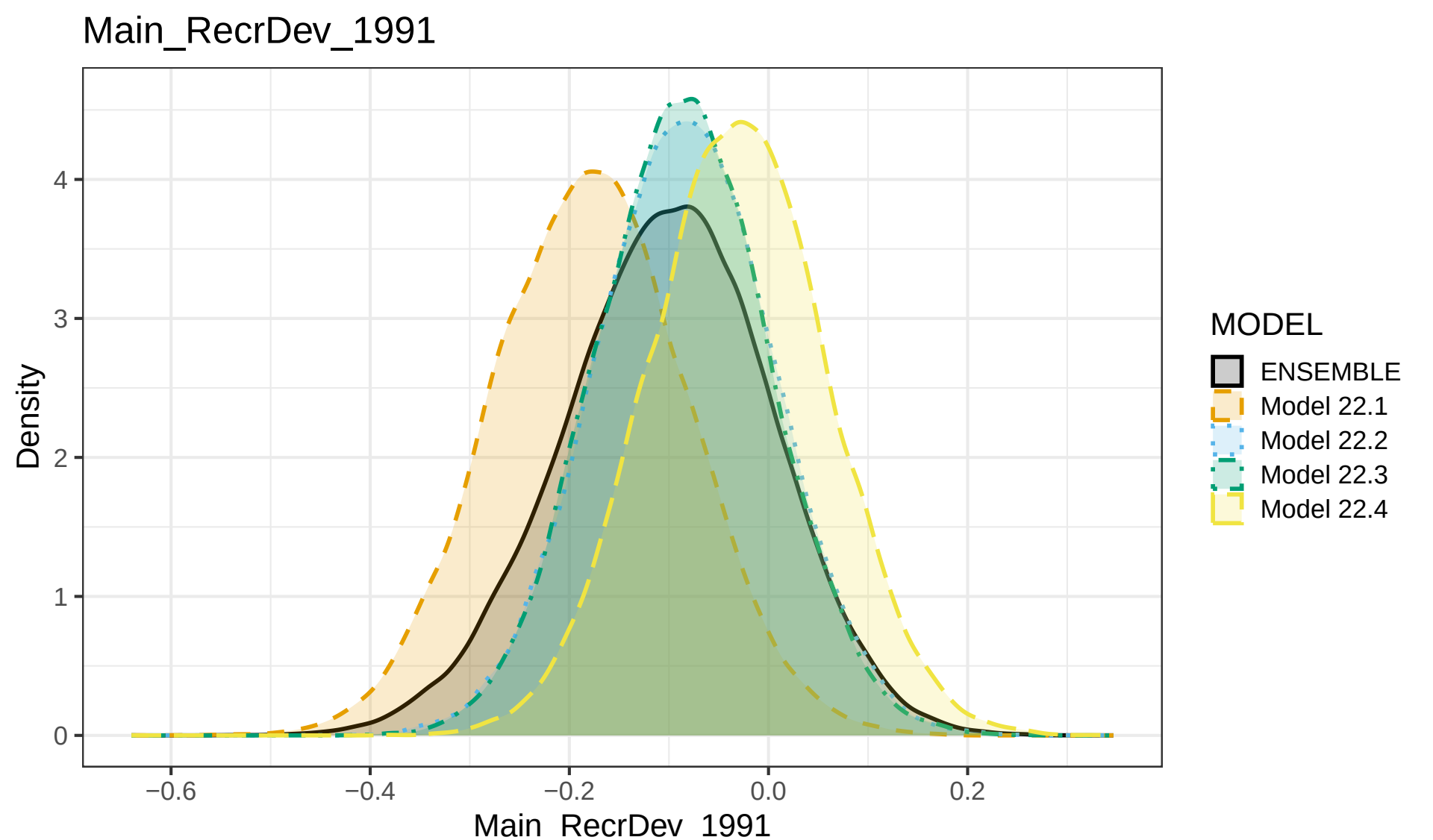

Main_RecrDev_1986
Density
4
3
2
1
0
−1.00
−0.75
−0.50
−0.25
Main_RecrDev_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

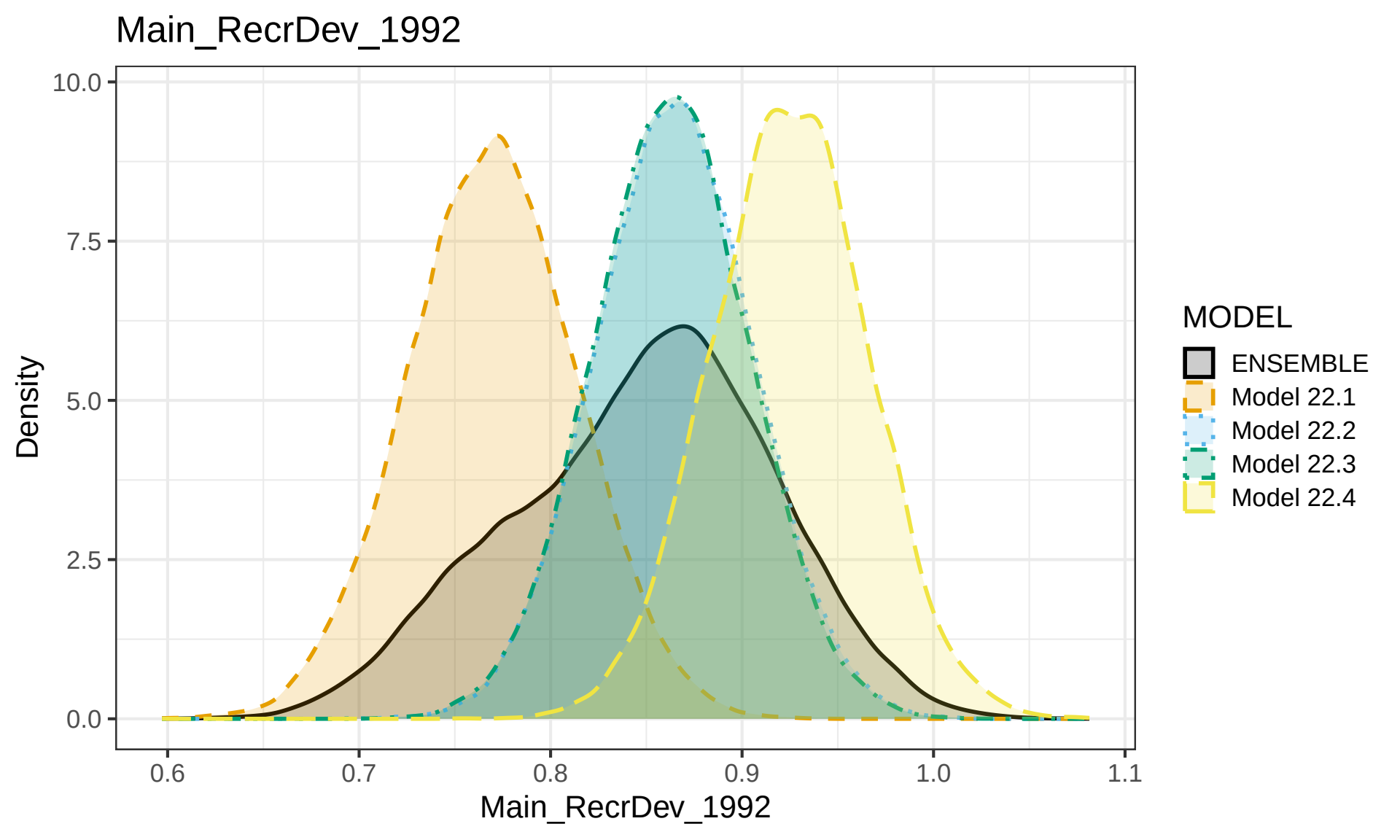

Main_RecrDev_1987
Density
1.5
1.0
0.5
0.0
−2.4
−2.0
−1.6
−1.2
−0.8
Main_RecrDev_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

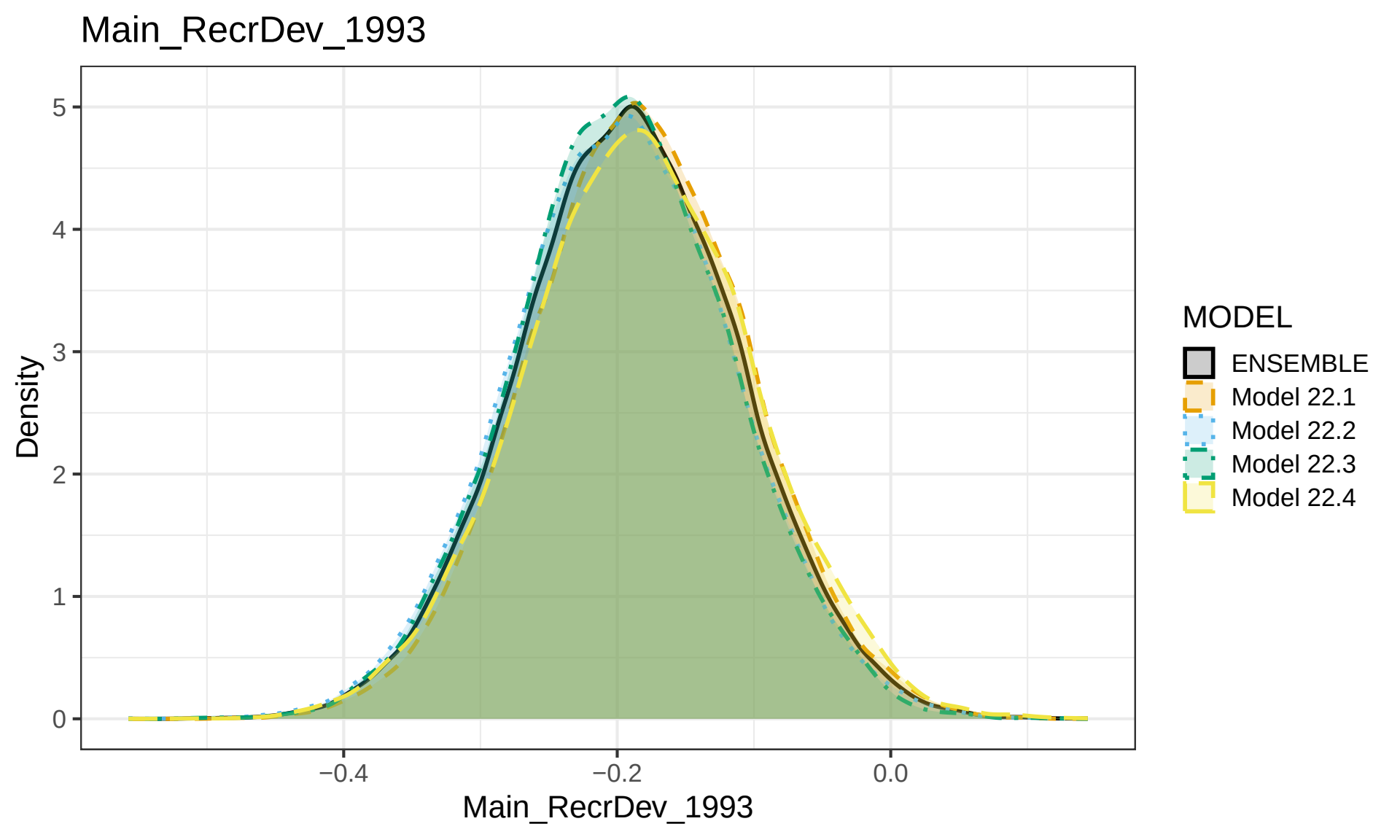

Main_RecrDev_1988
Density
0
1
2
3
4
5
−0.6
−0.4
−0.2
0.0
0.2
Main_RecrDev_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

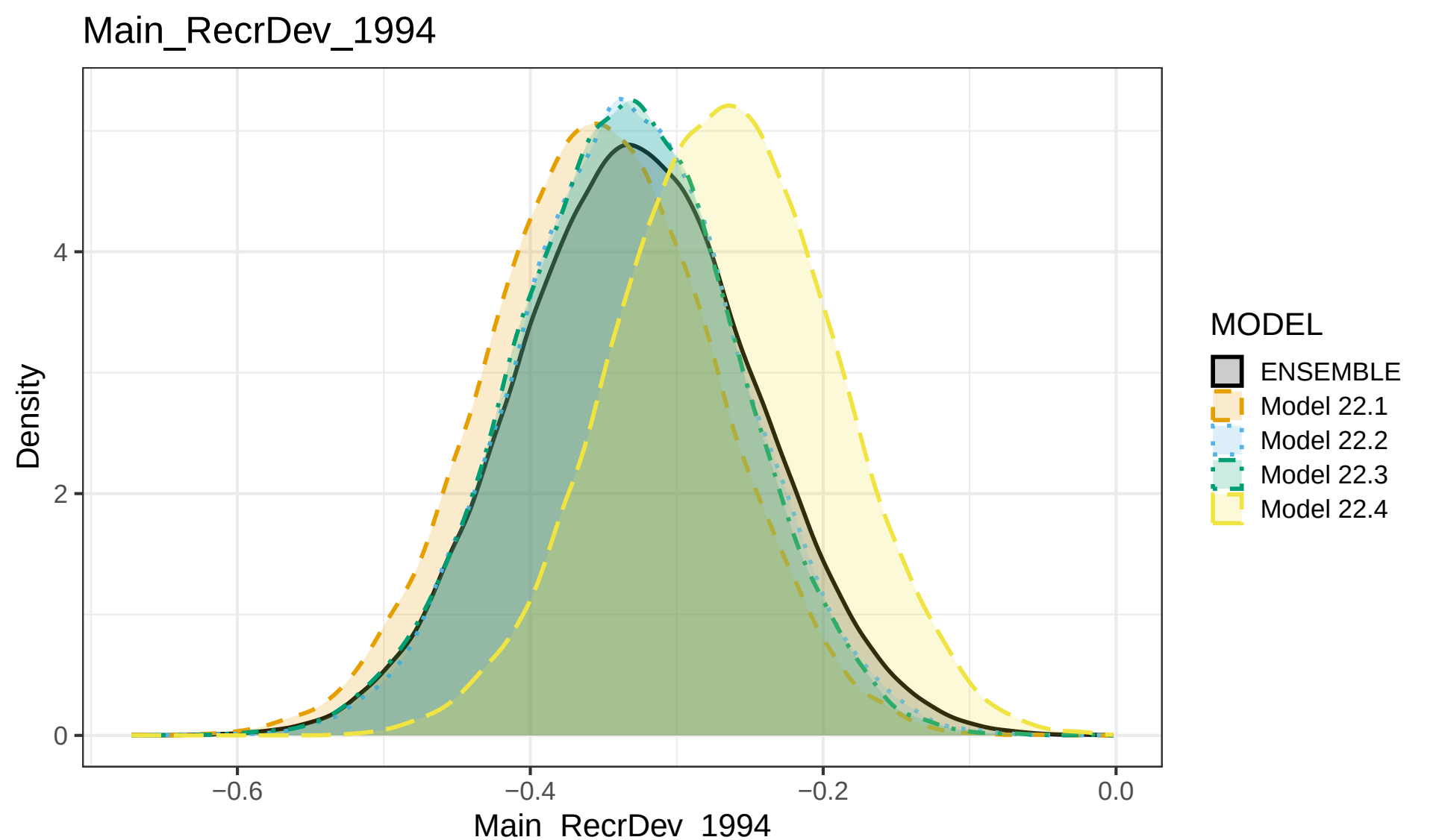

Main_RecrDev_1989
Density
0
2
4
6
0.2
0.3
0.4
0.5
0.6
0.7
Main_RecrDev_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

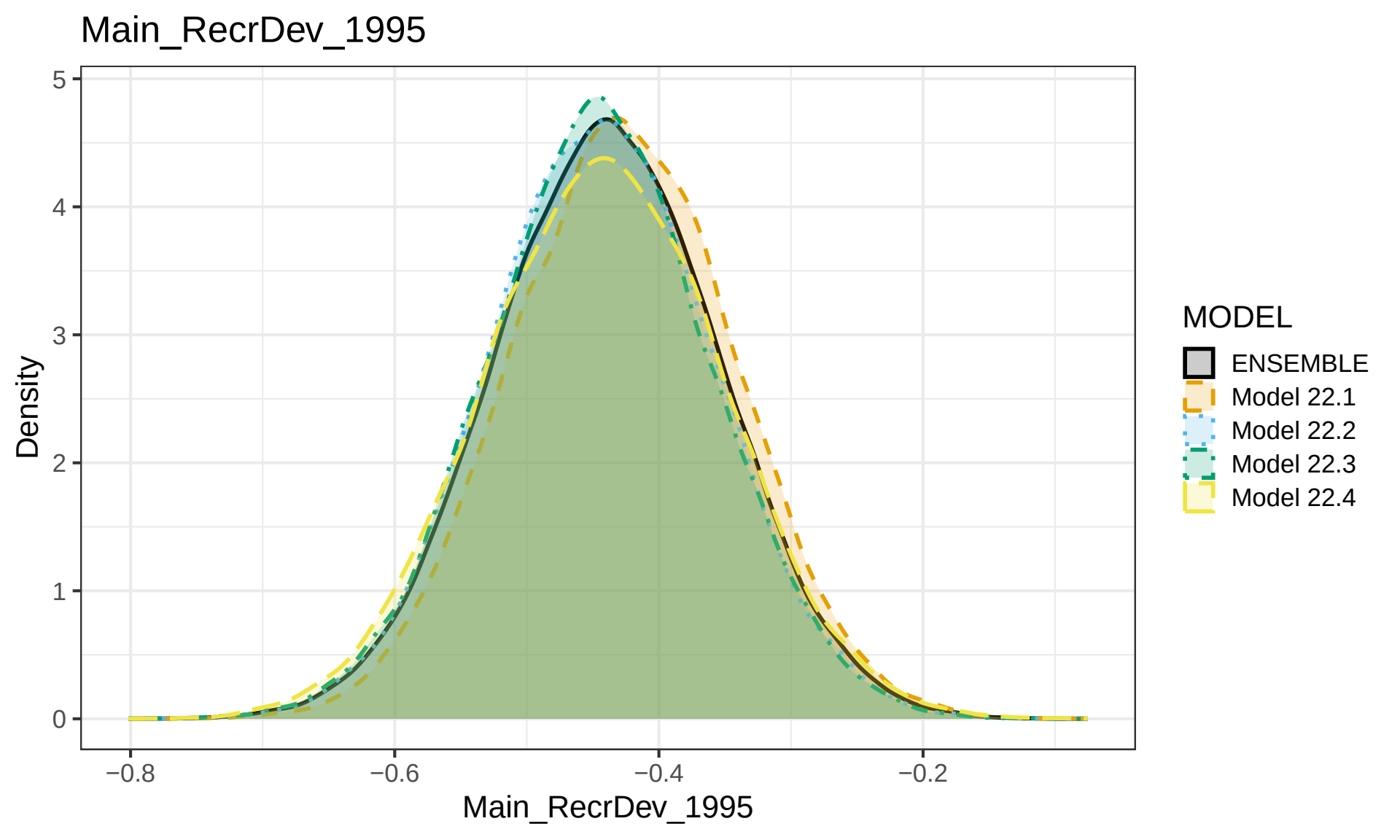

Main_RecrDev_1990
Density
0
2
4
6
0.2
0.3
0.4
0.5
0.6
0.7
Main_RecrDev_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

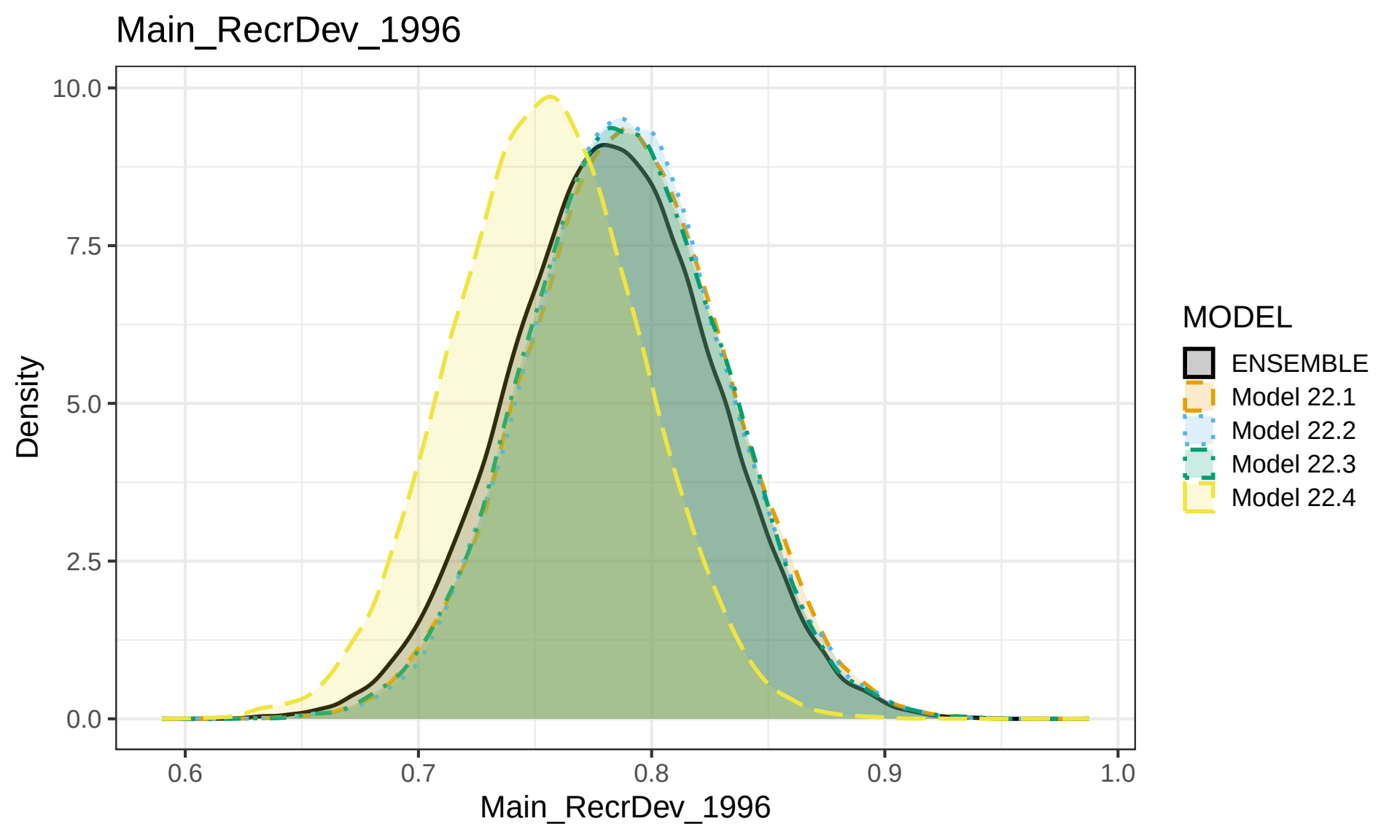

Main_RecrDev_1991
Density
0
1
2
3
4
−0.6
−0.4
−0.2
0.0
0.2
Main_RecrDev_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

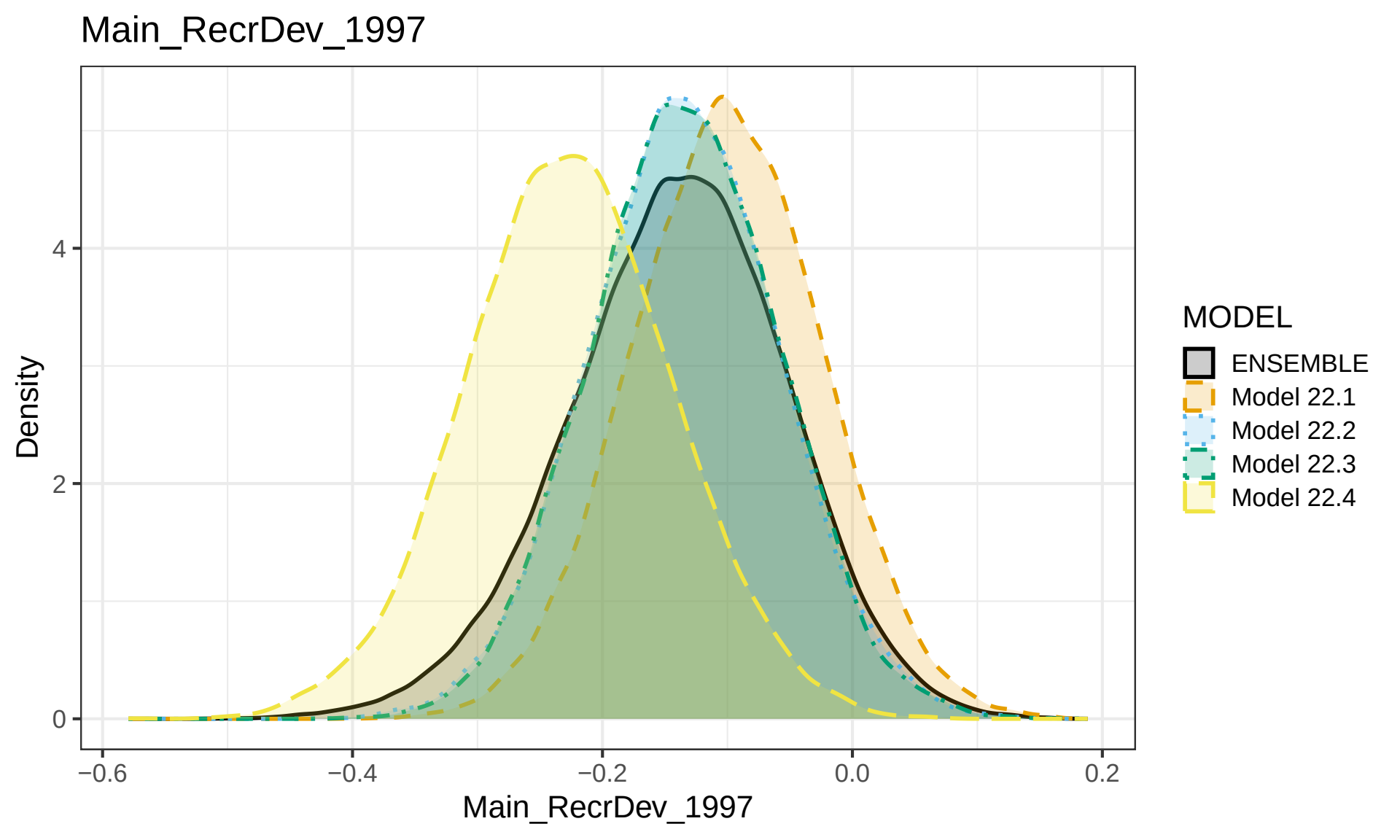

Main_RecrDev_1992
10.0
7.5
5.0
2.5
0.0
Density
0.6
0.7
0.8
0.9
1.0
1.1
Main_RecrDev_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

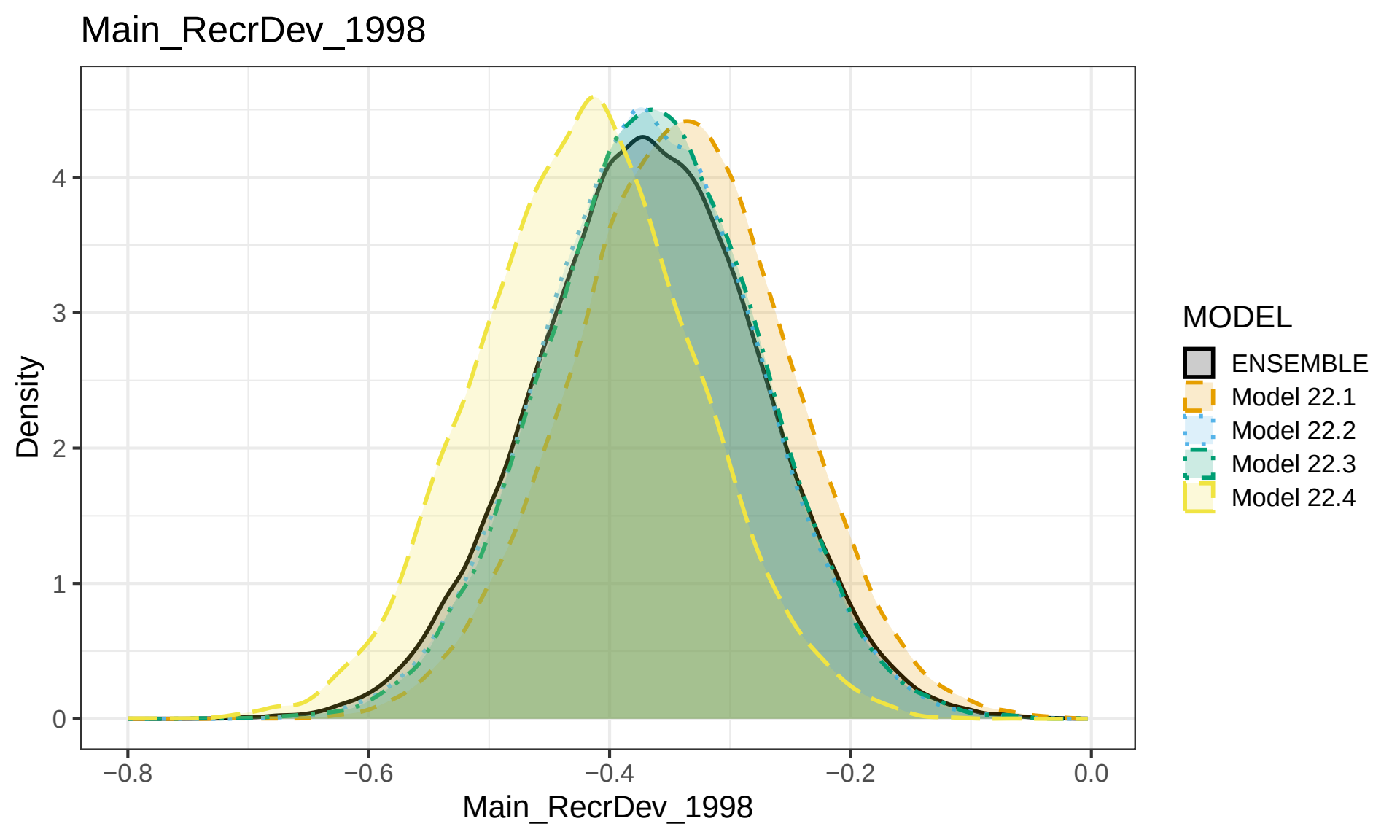

Main_RecrDev_1993
Density
5
4
3
2
1
0
−0.4
−0.2
0.0
Main_RecrDev_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

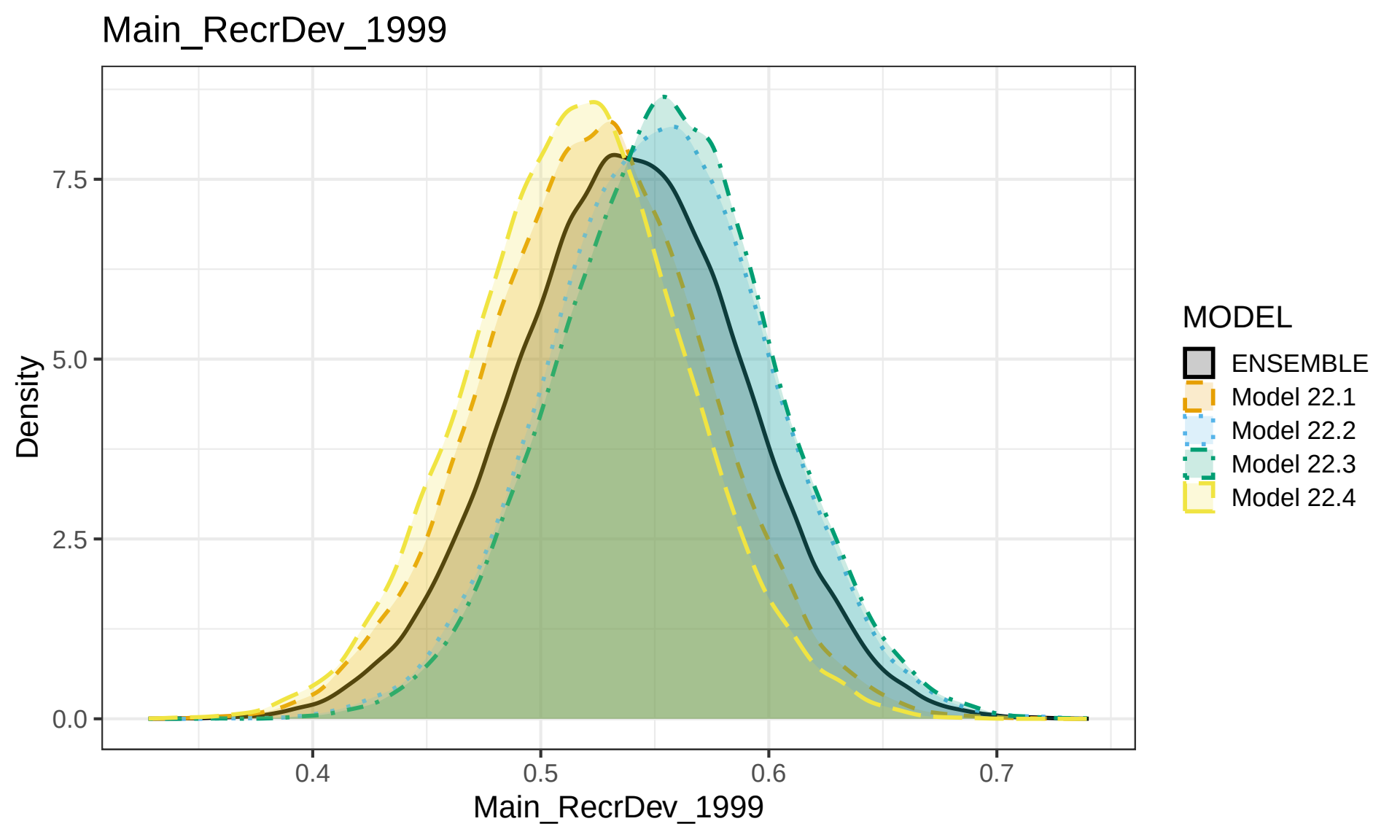

Main_RecrDev_1994
Density
4
2
0
−0.6
−0.4
−0.2
0.0
Main_RecrDev_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

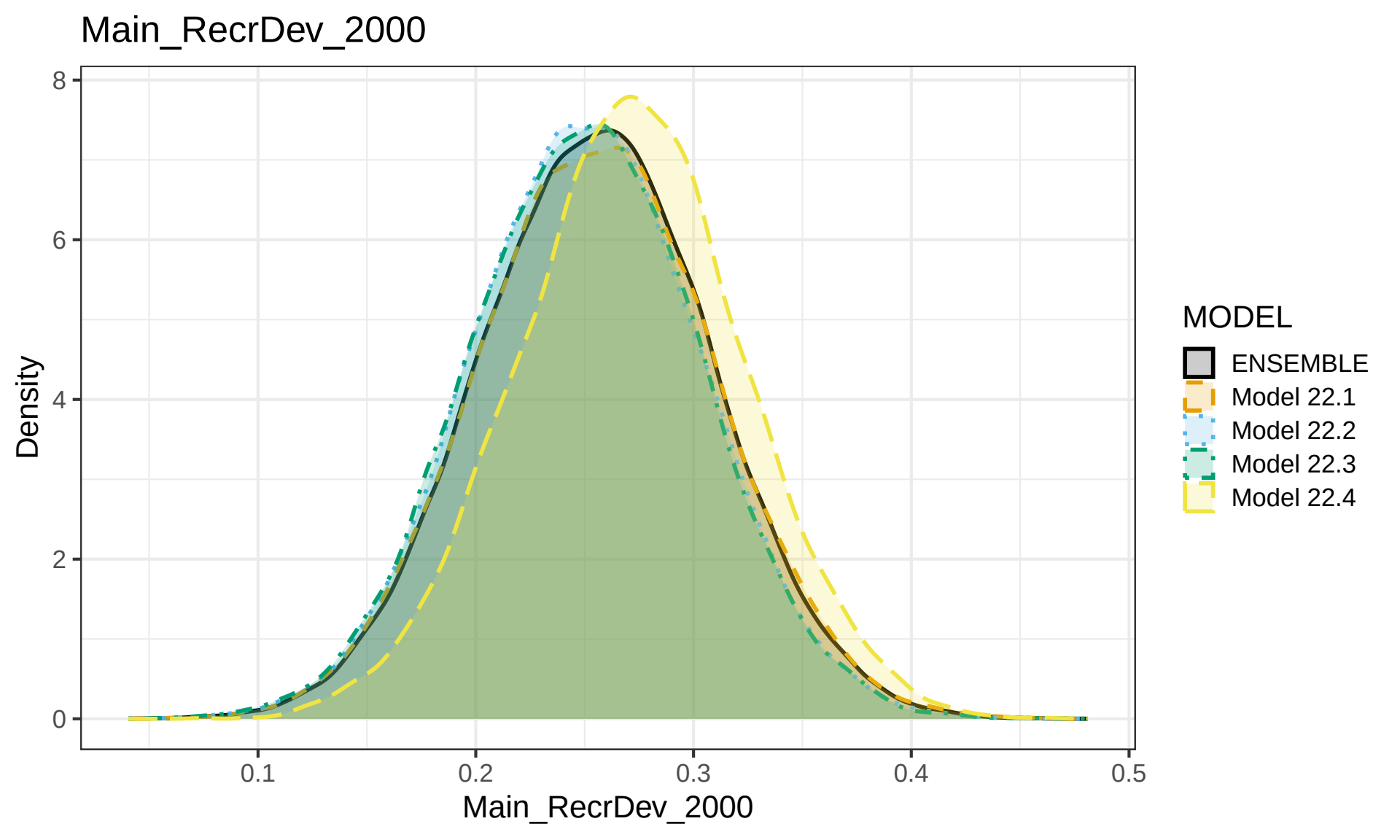

Main_RecrDev_1995
Density
5
4
3
2
1
0
−0.8
−0.6
−0.4
−0.2
Main_RecrDev_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

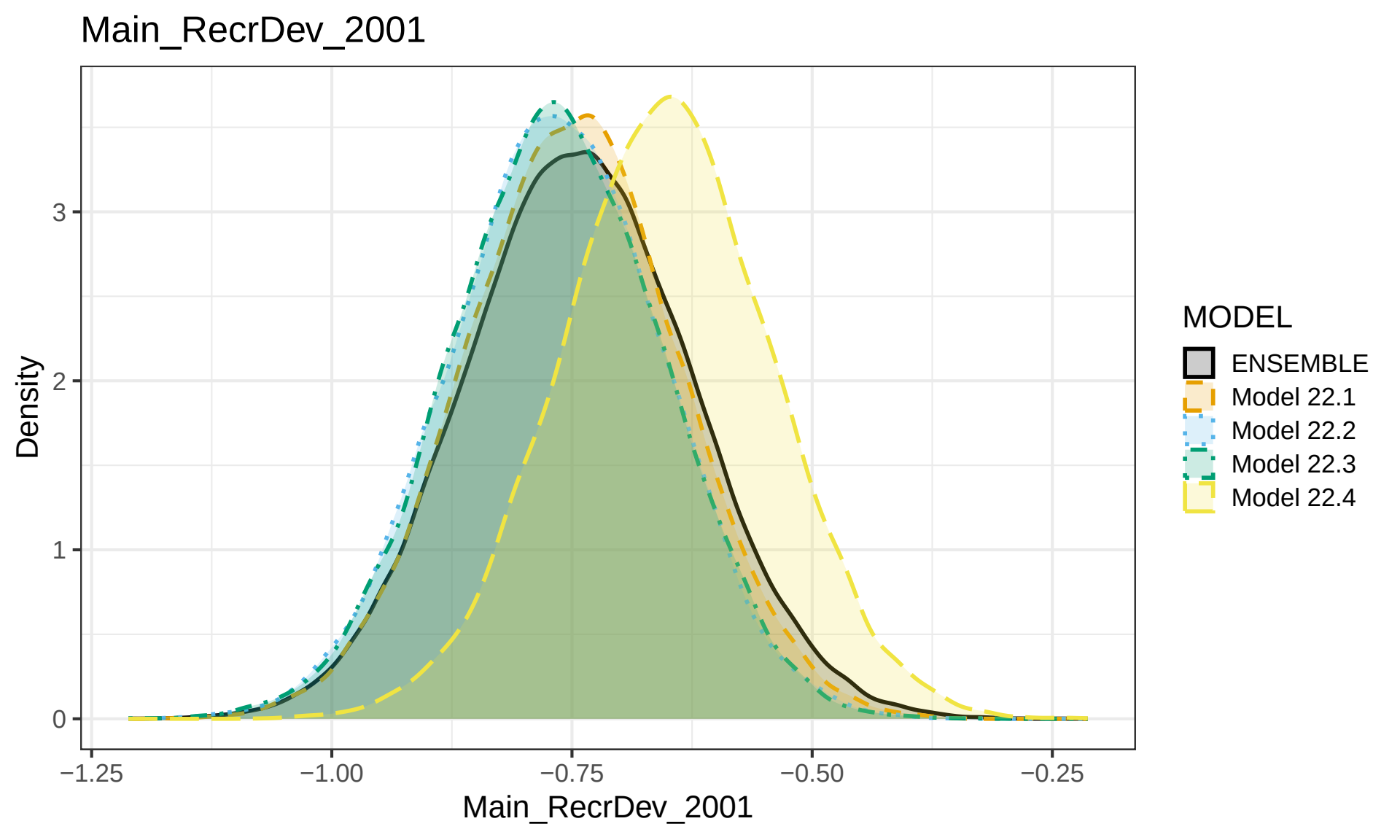

Main_RecrDev_1996
10.0
7.5
5.0
2.5
0.0
Density
0.6
0.7
0.8
0.9
1.0
Main_RecrDev_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

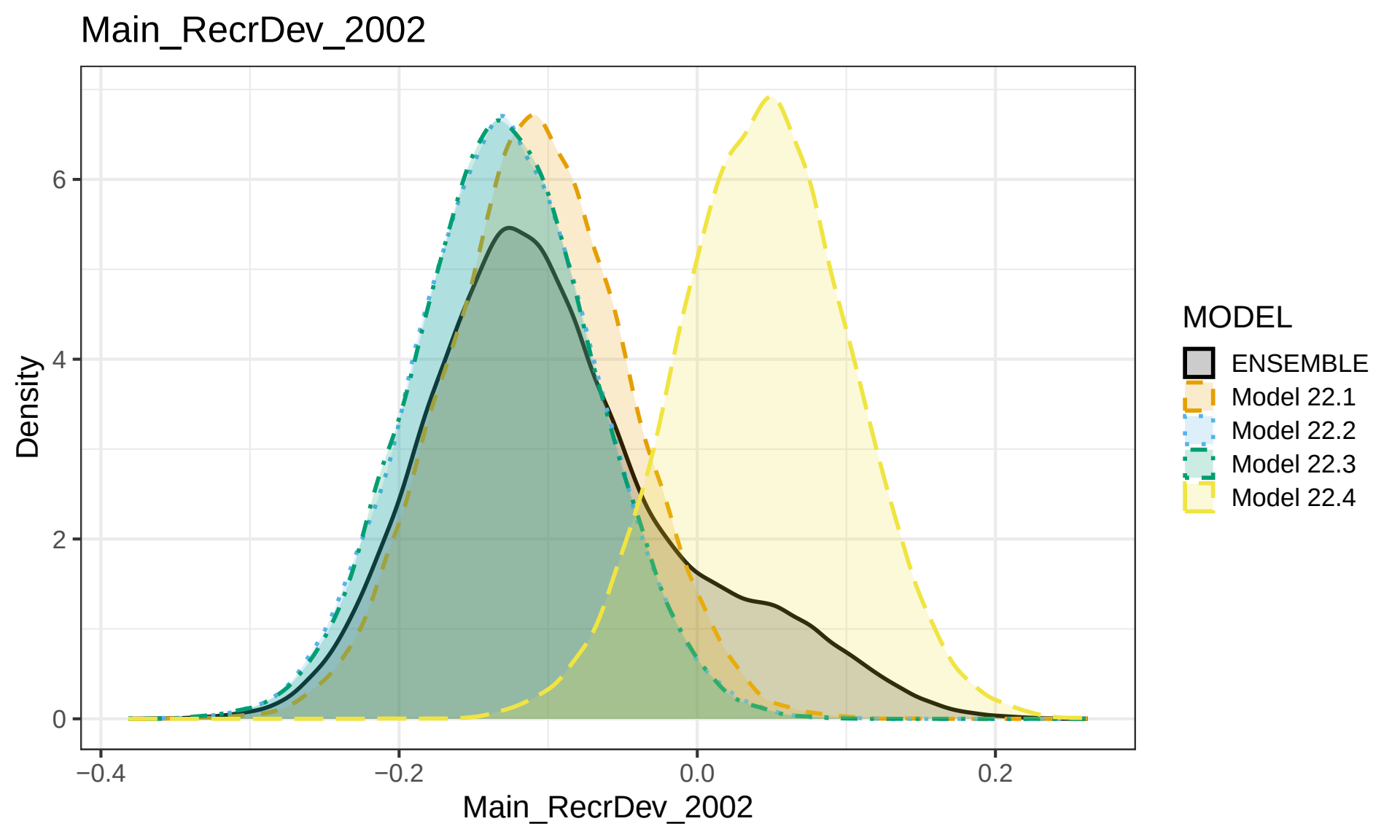

Main_RecrDev_1997
Density
4
2
0
−0.6
−0.4
−0.2
0.0
0.2
Main_RecrDev_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

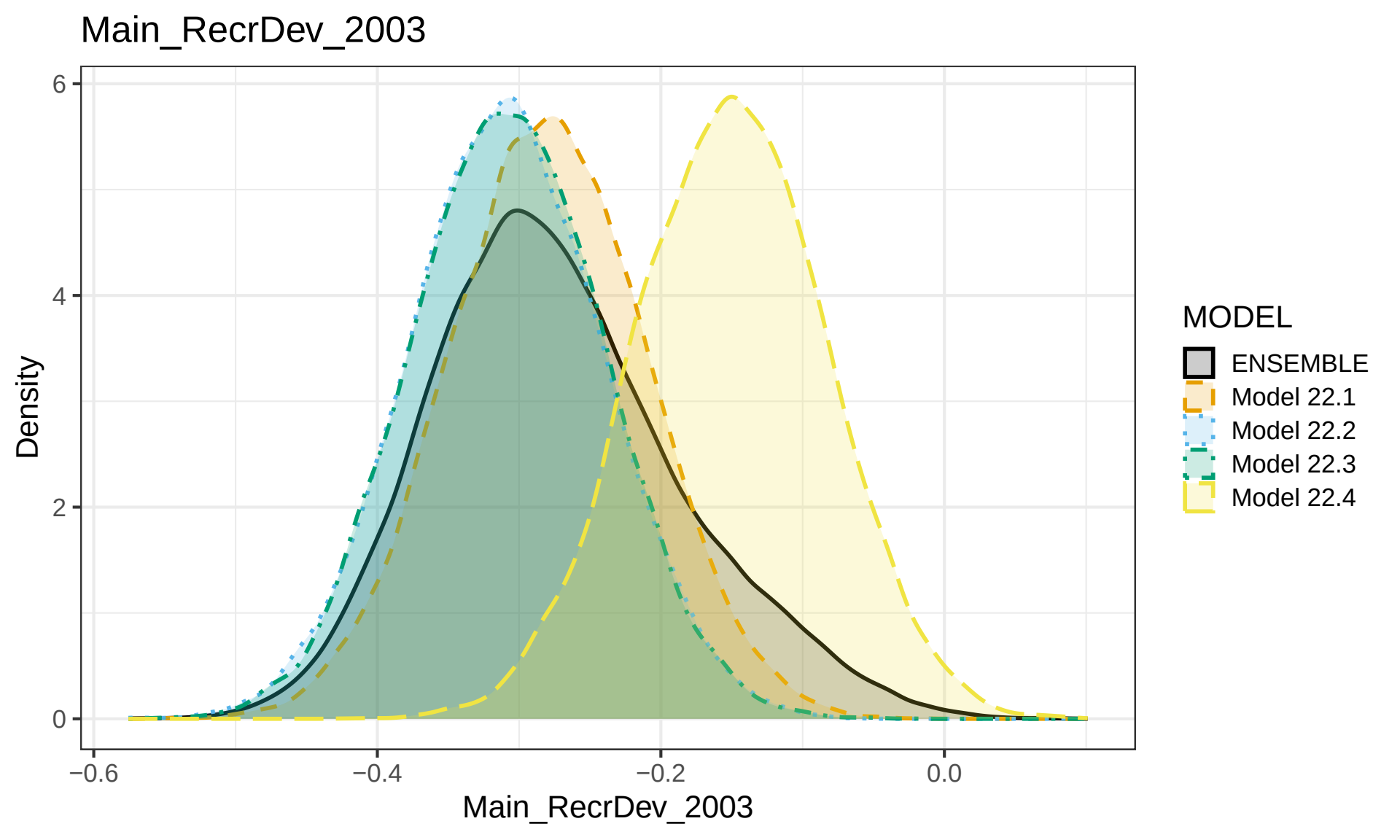

Main_RecrDev_1998
Density
0
1
2
3
4
−0.8
−0.6
−0.4
−0.2
0.0
Main_RecrDev_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

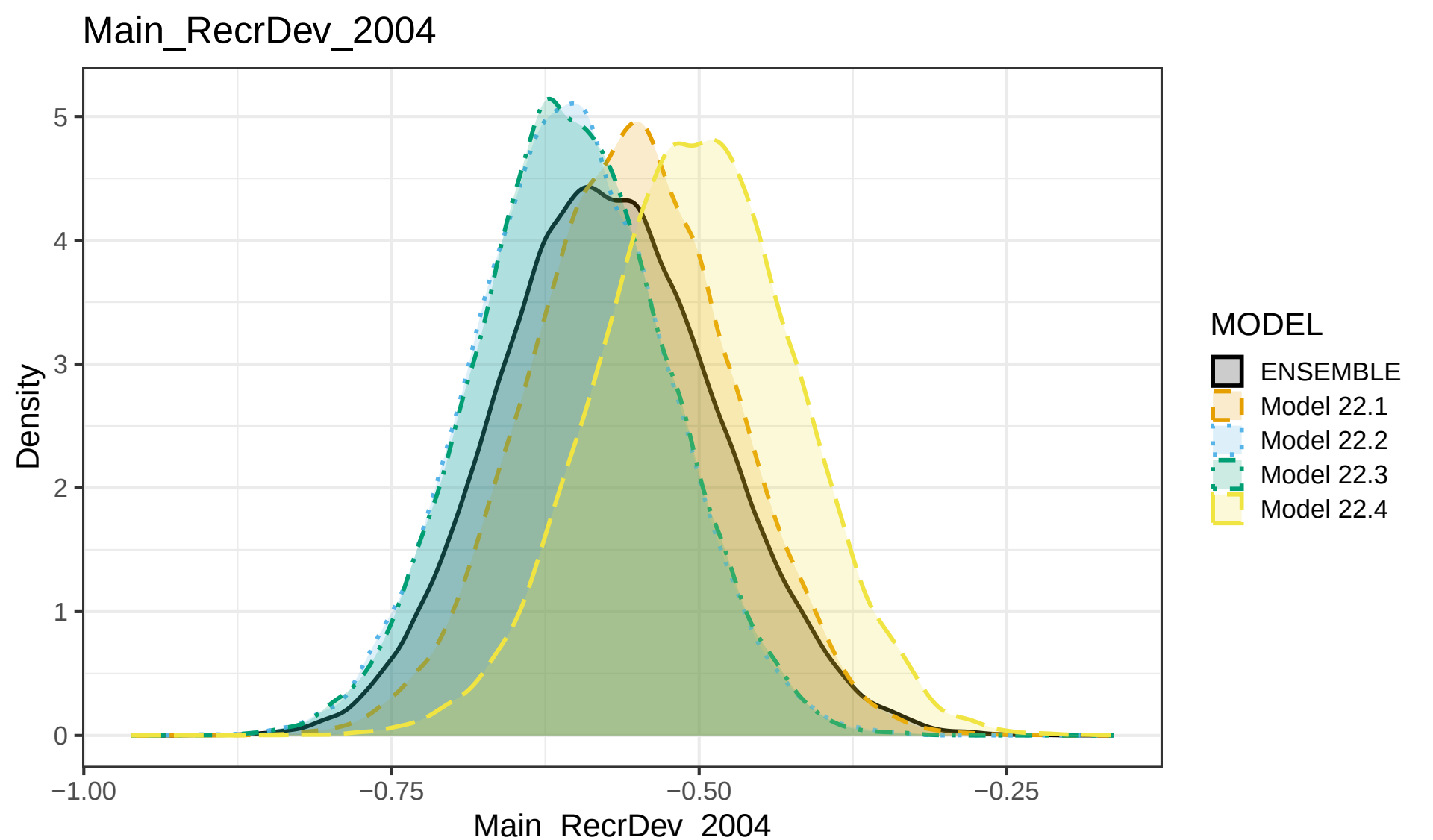

Main_RecrDev_1999
Density
7.5
5.0
2.5
0.0
0.4
0.5
0.6
0.7
Main_RecrDev_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

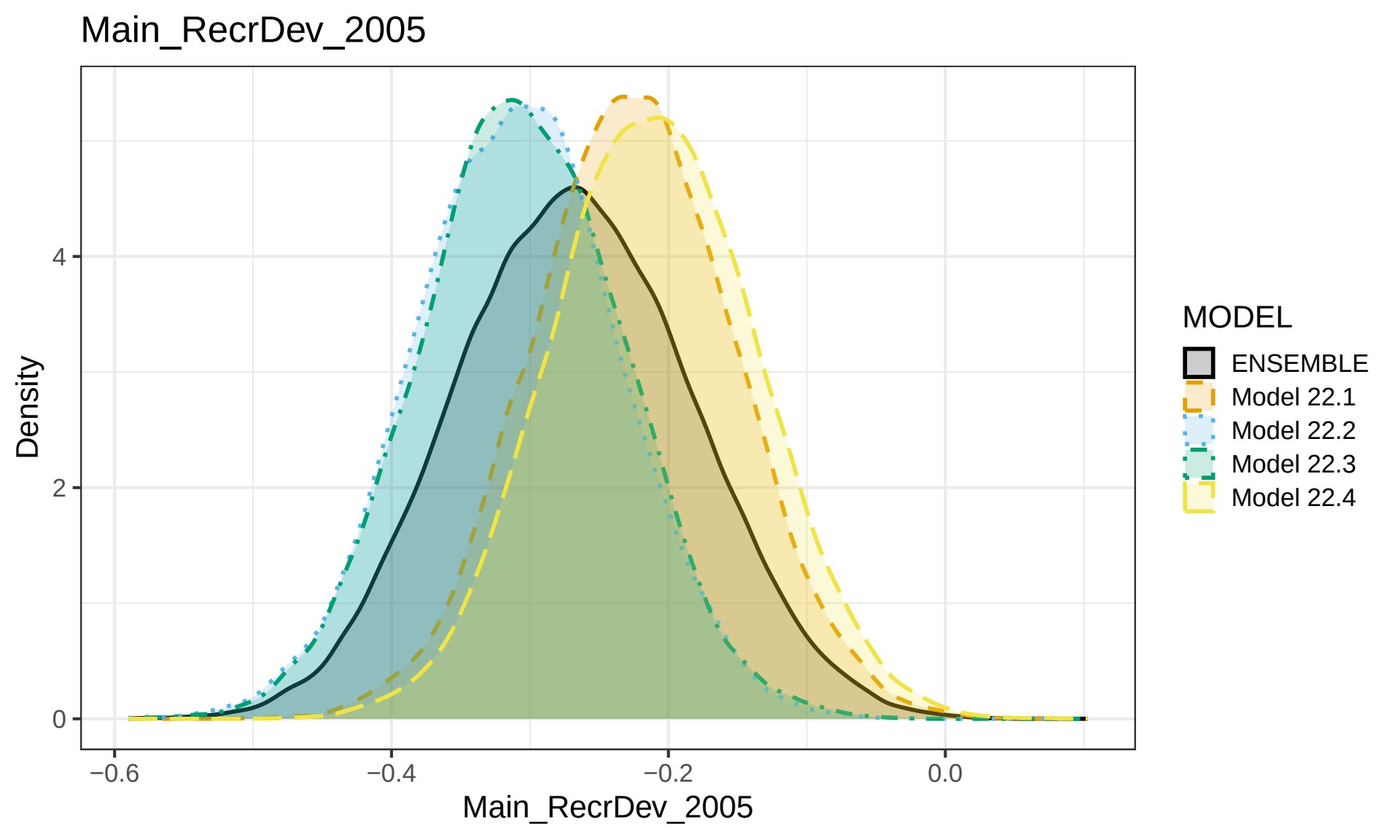

Main_RecrDev_2000
Density
8
6
4
2
0
0.1
0.2
0.3
0.4
0.5
Main_RecrDev_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

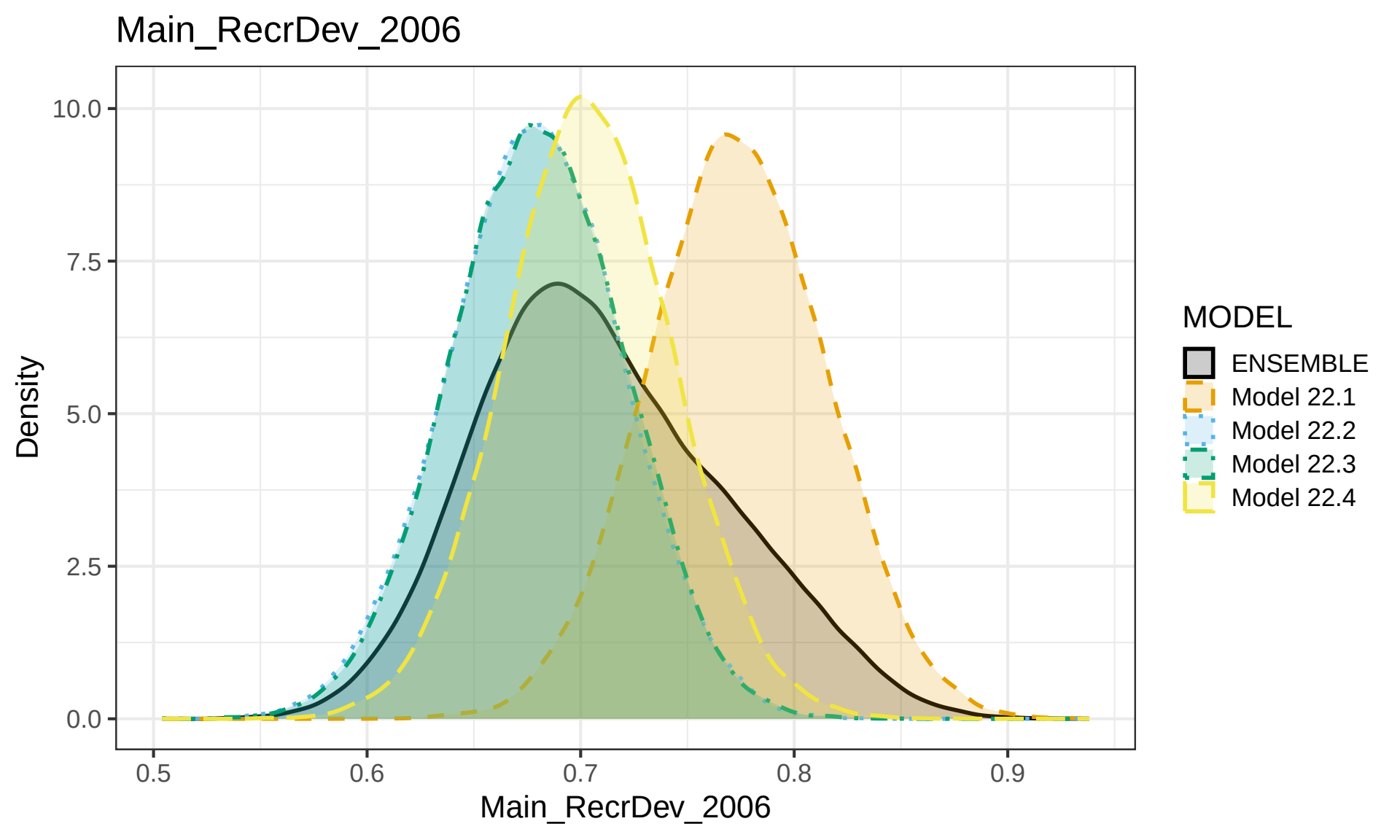

Main_RecrDev_2001
Density
3
2
1
0
−1.25
−1.00
−0.75
−0.50
−0.25
Main_RecrDev_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

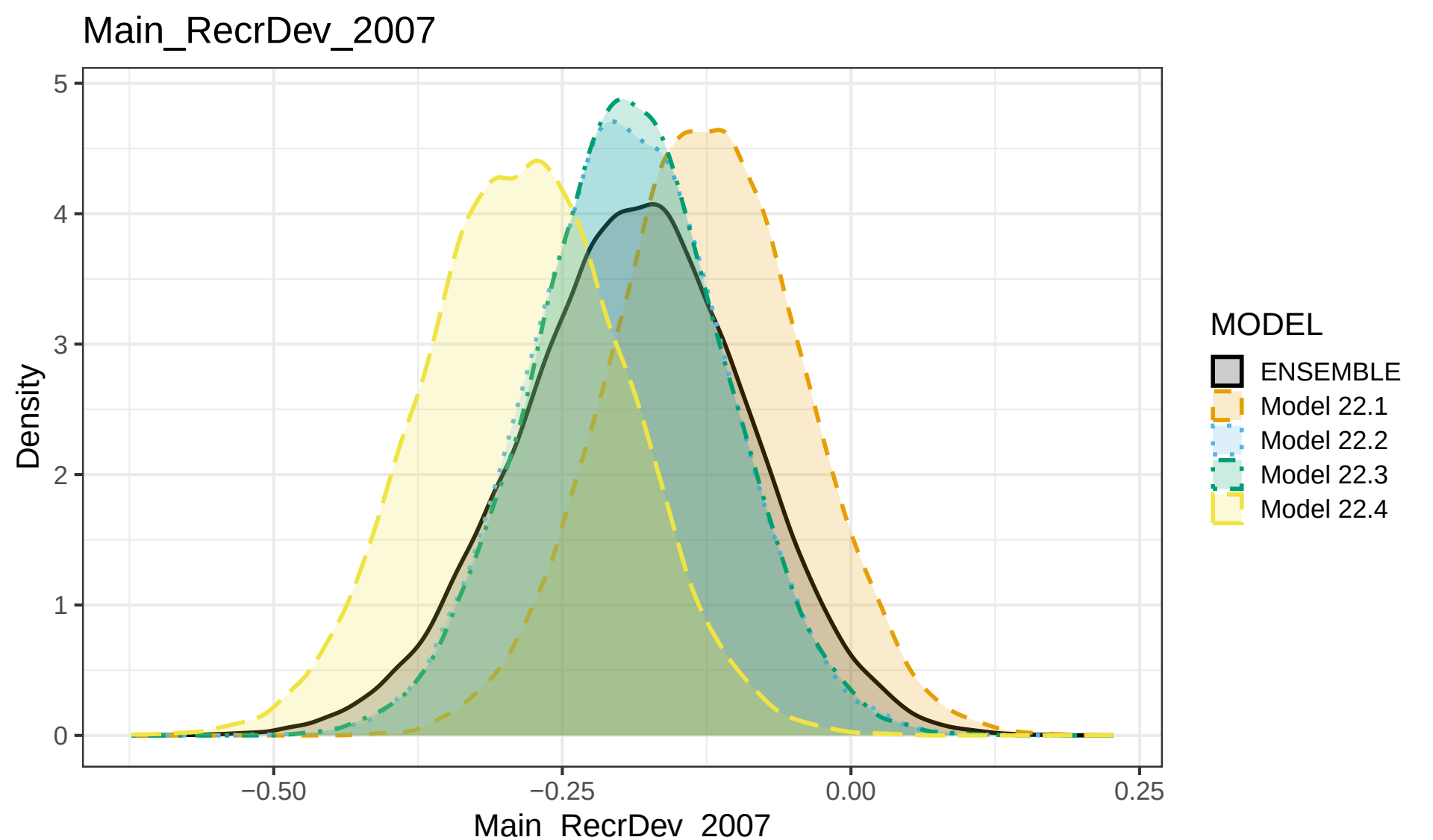

Main_RecrDev_2002
Density
6
4
2
0
−0.4
−0.2
0.0
0.2
Main_RecrDev_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

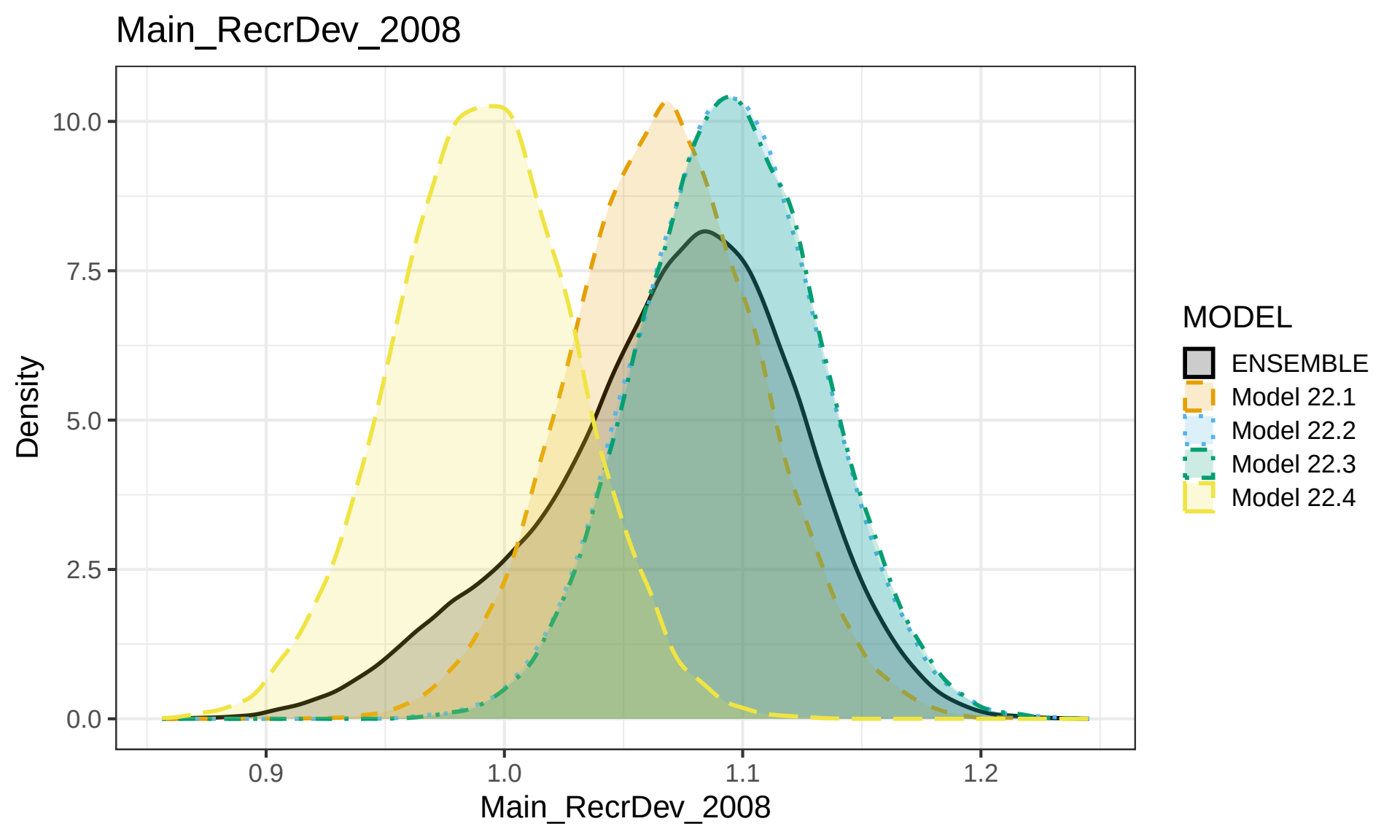

Main_RecrDev_2003
Density
6
4
2
0
−0.6
−0.4
−0.2
0.0
Main_RecrDev_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

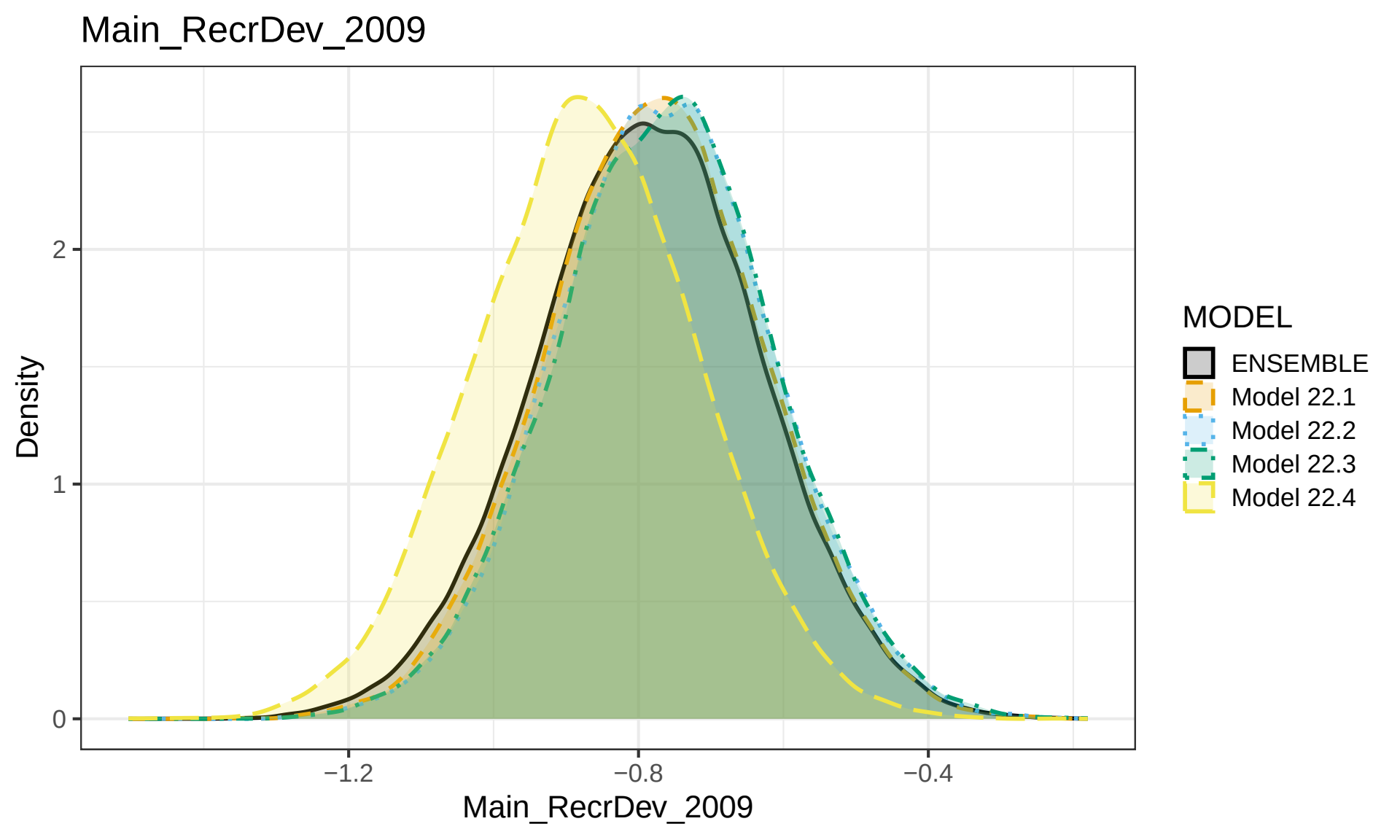

Main_RecrDev_2004
Density
0
1
2
3
4
5
−1.00
−0.75
−0.50
−0.25
Main_RecrDev_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

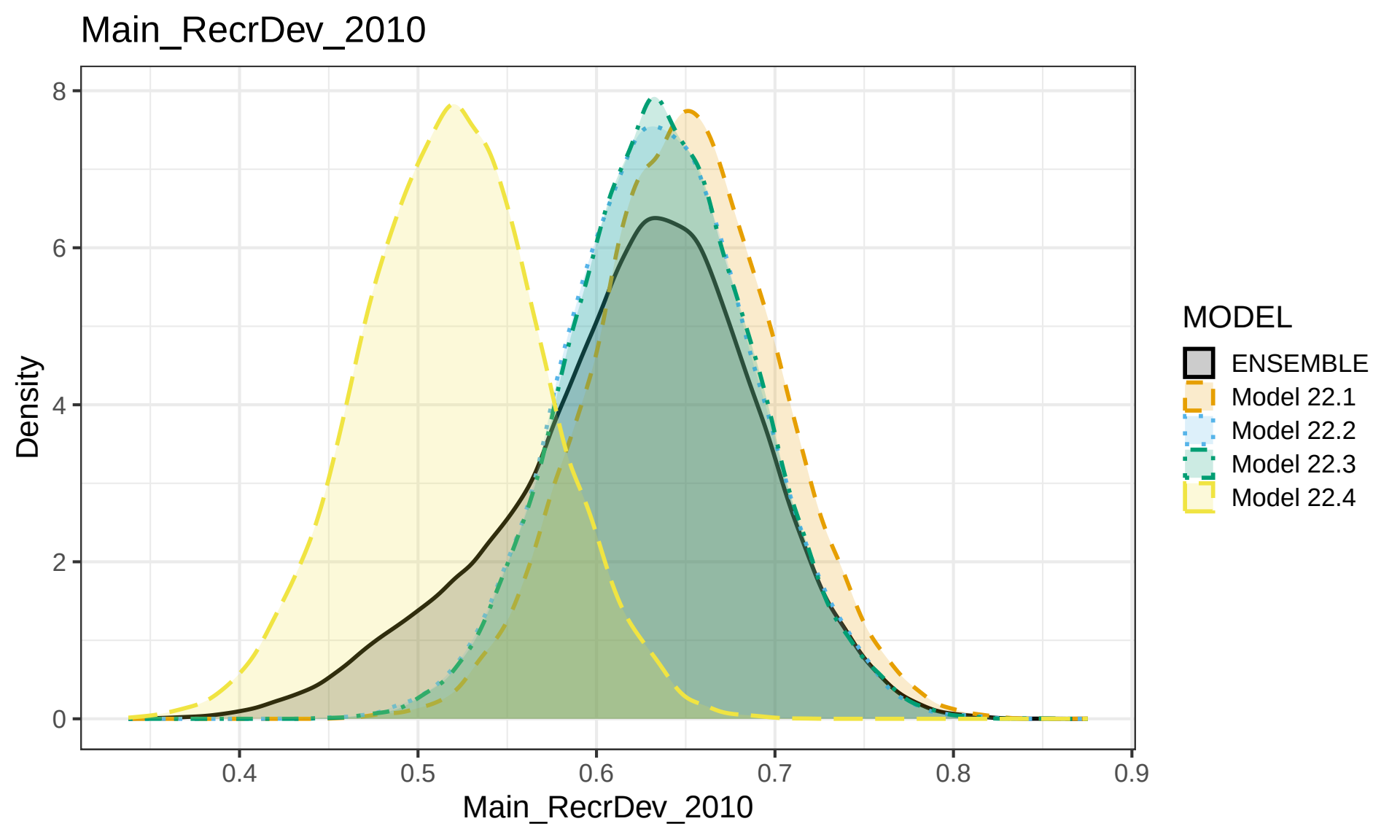

Main_RecrDev_2005
Density
4
2
0
−0.6
−0.4
−0.2
0.0
Main_RecrDev_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

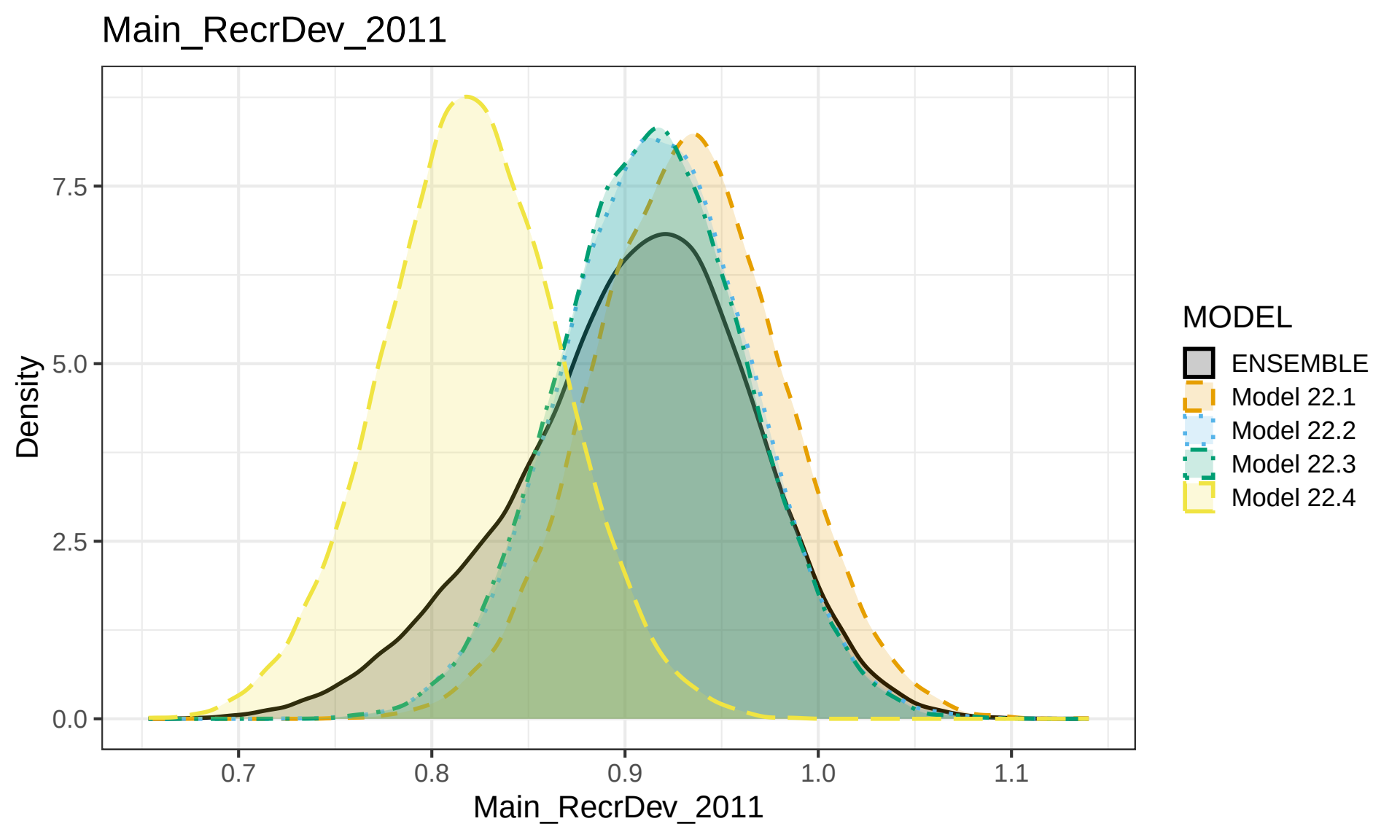

Main_RecrDev_2006
10.0
7.5
5.0
2.5
0.0
Density
0.5
0.6
0.7
0.8
0.9
Main_RecrDev_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

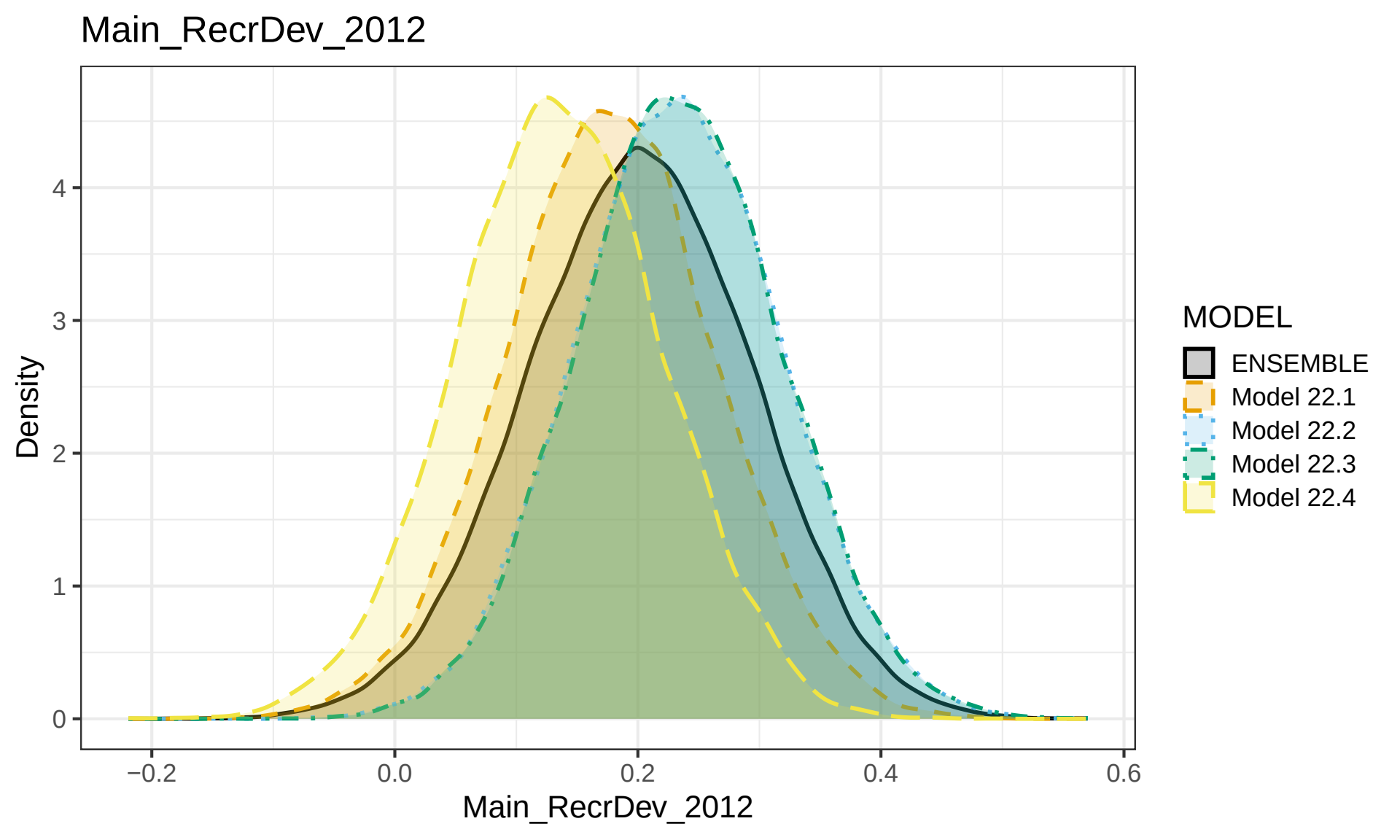

Main_RecrDev_2007
Density
5
4
3
2
1
0
−0.50
−0.25
0.00
0.25
Main_RecrDev_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

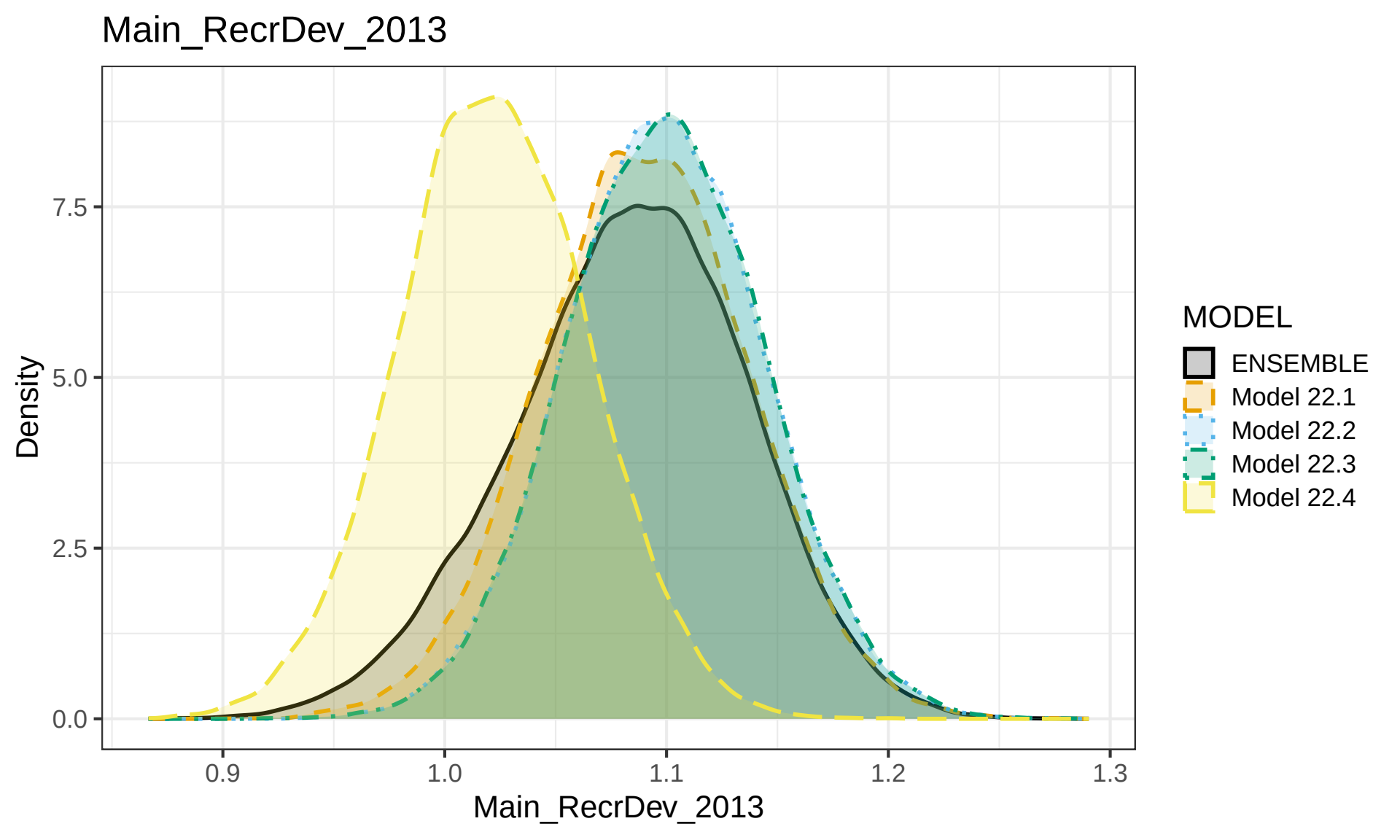

Main_RecrDev_2008
10.0
7.5
5.0
2.5
0.0
Density
0.9
1.0
1.1
1.2
Main_RecrDev_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

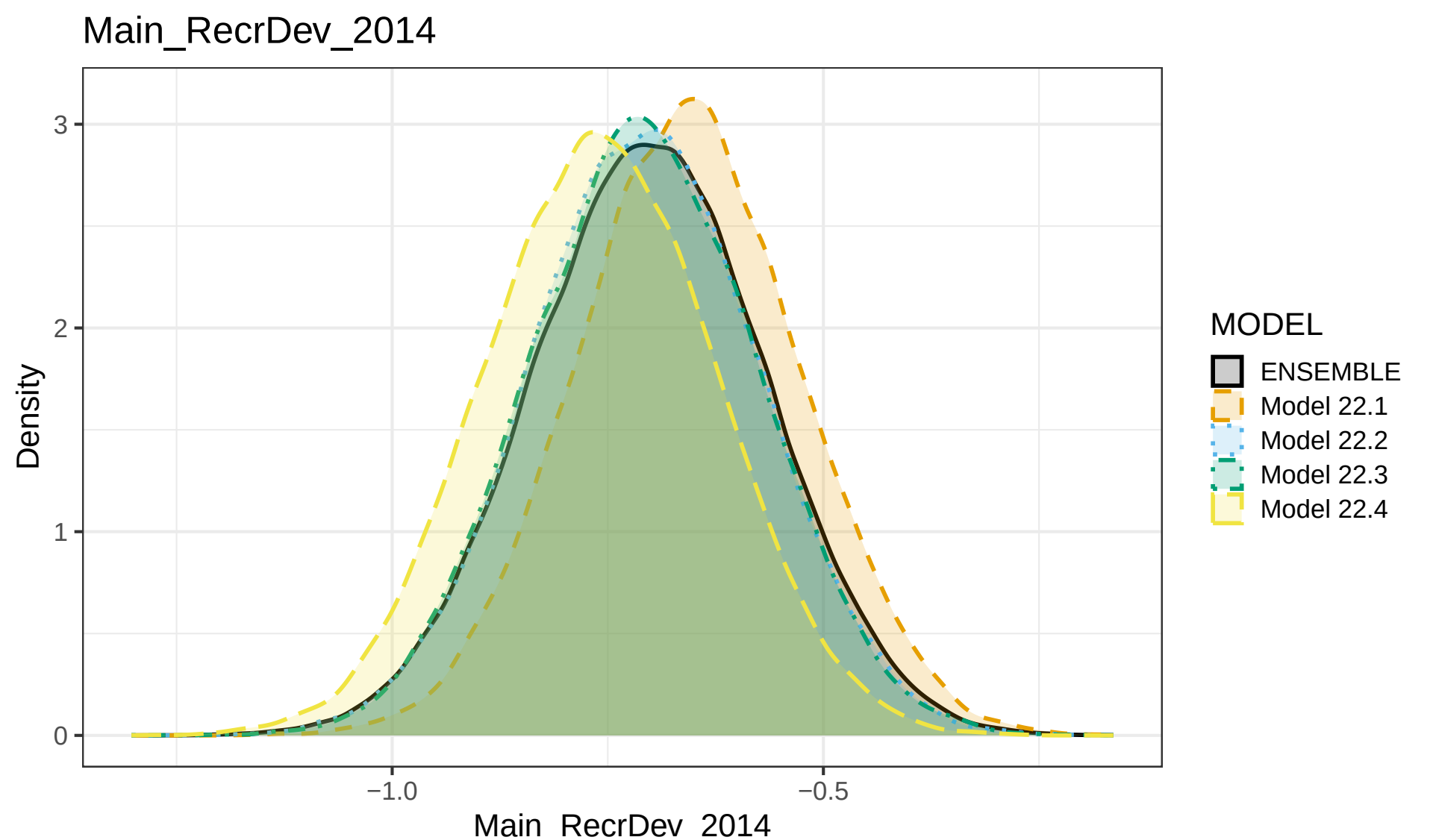

Main_RecrDev_2009
Density
2
1
0
−1.2
−0.8
−0.4
Main_RecrDev_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

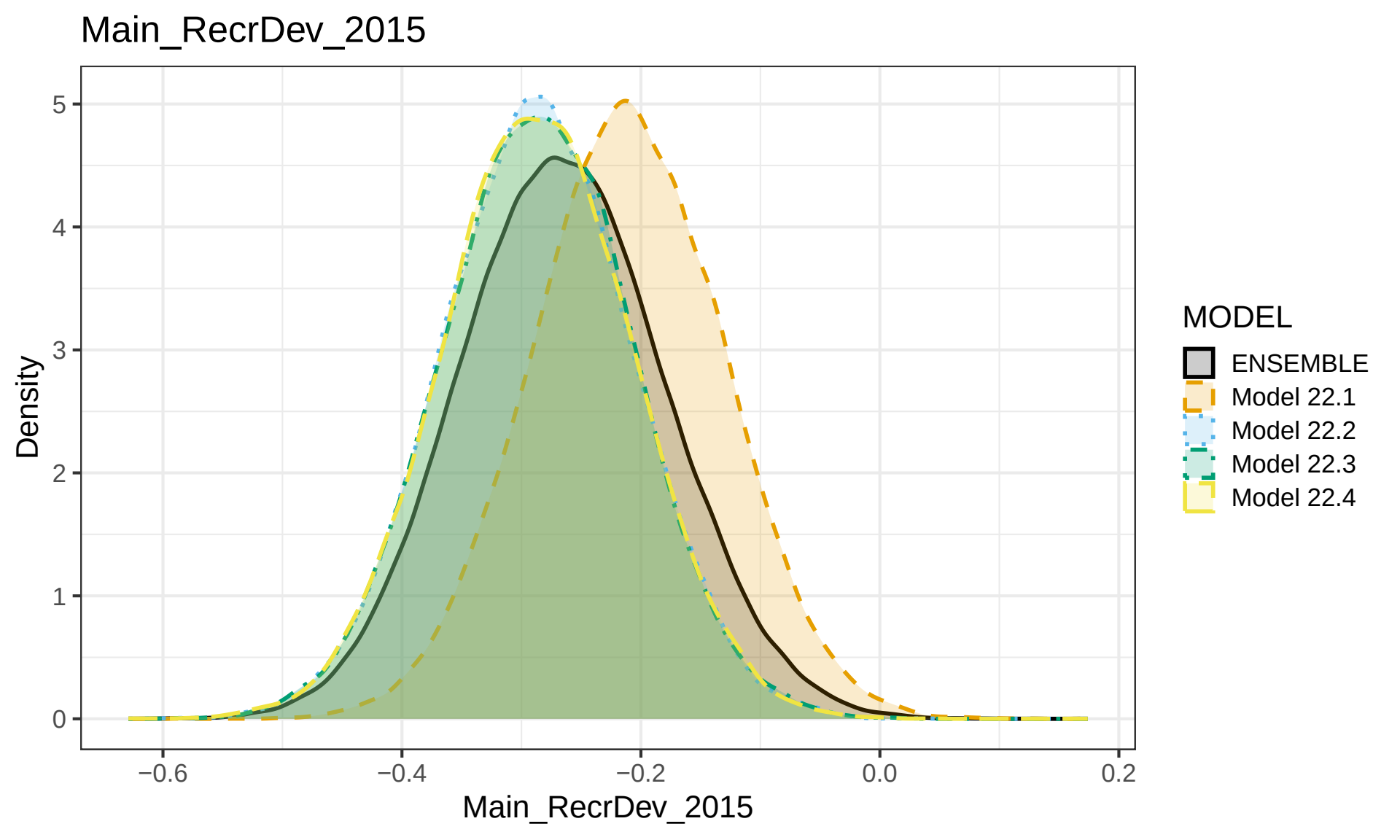

Main_RecrDev_2010
Density
8
6
4
2
0
0.4
0.5
0.6
0.7
0.8
0.9
Main_RecrDev_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

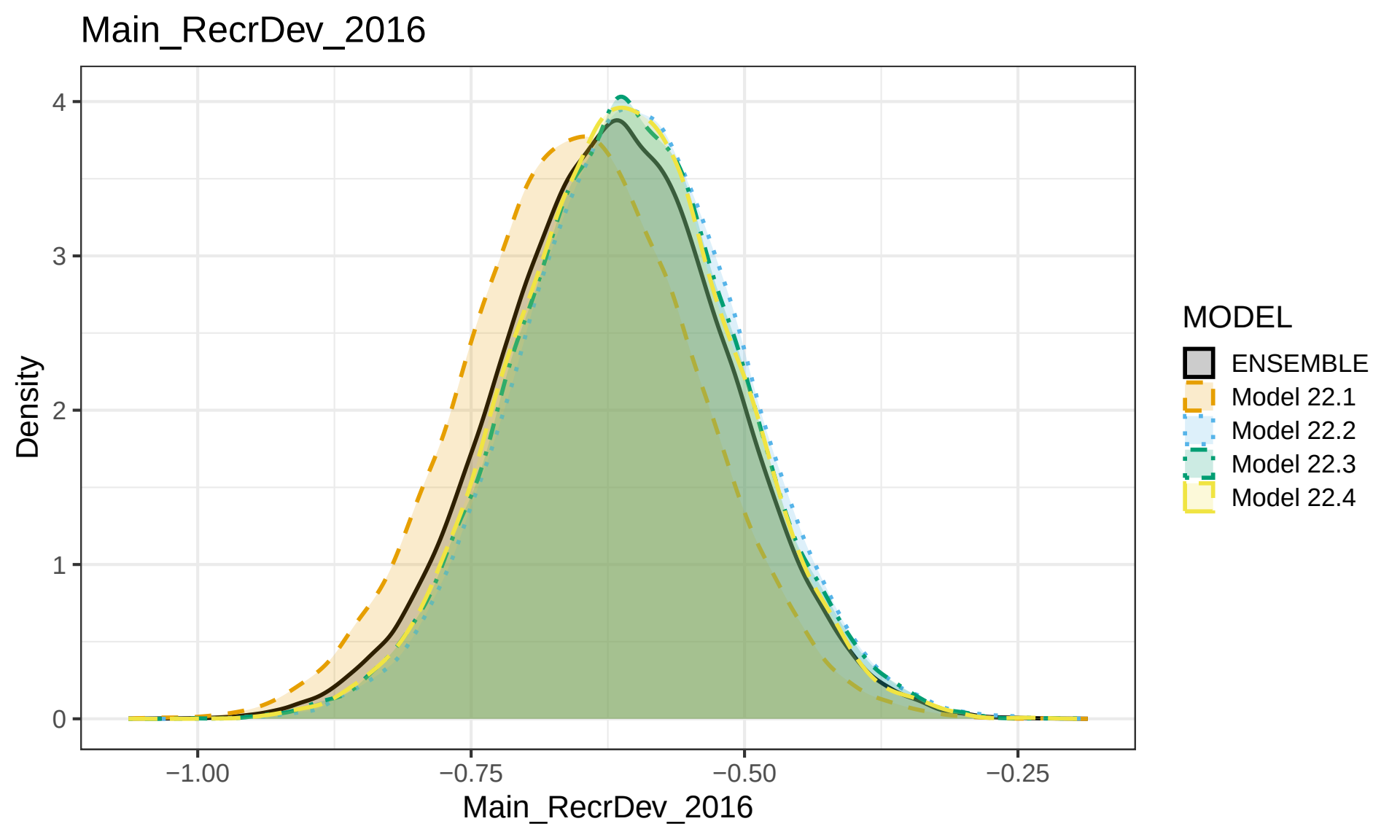

Main_RecrDev_2011
Density
7.5
5.0
2.5
0.0
0.7
0.8
0.9
1.0
1.1
Main_RecrDev_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

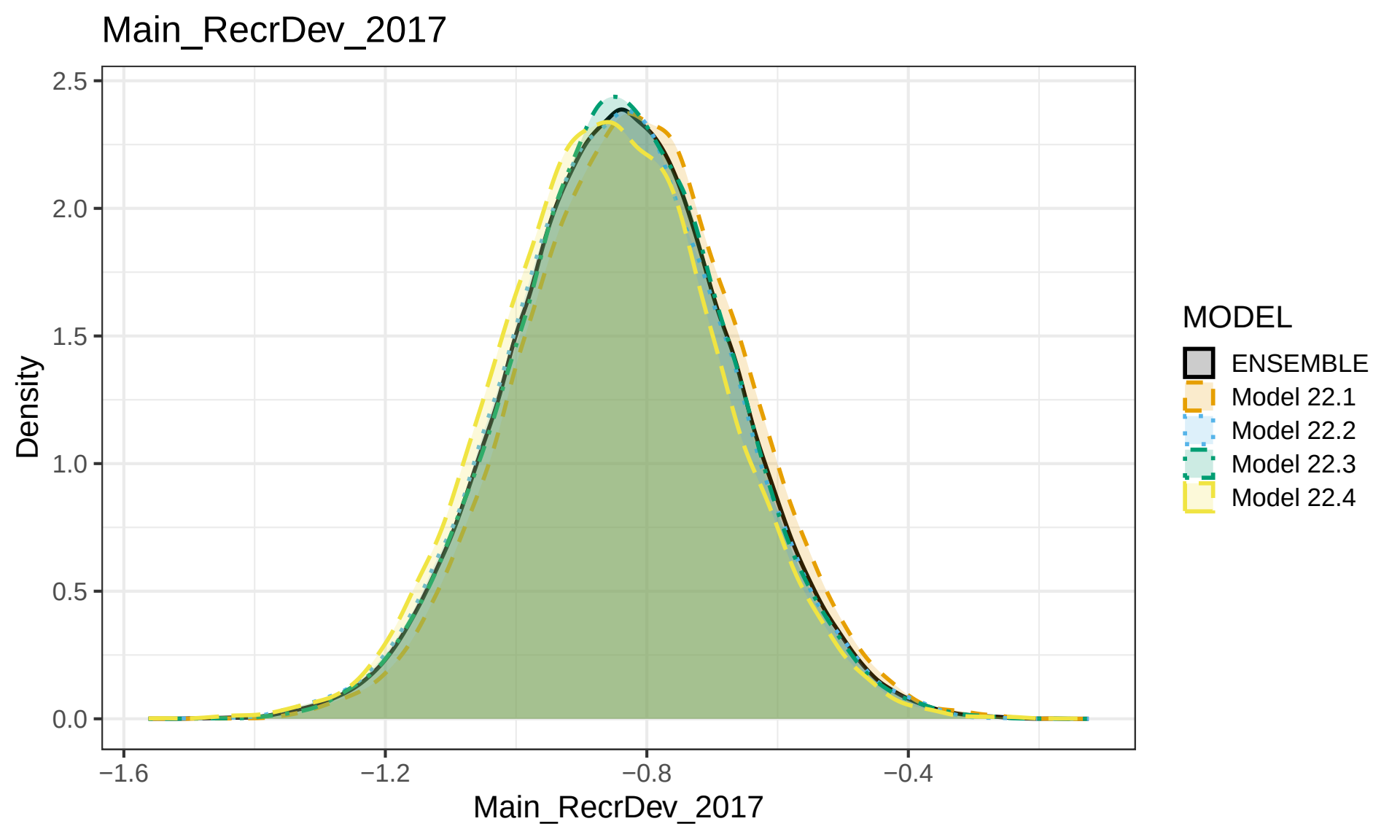

Main_RecrDev_2012
Density
0
1
2
3
4
−0.2
0.0
0.2
0.4
0.6
Main_RecrDev_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

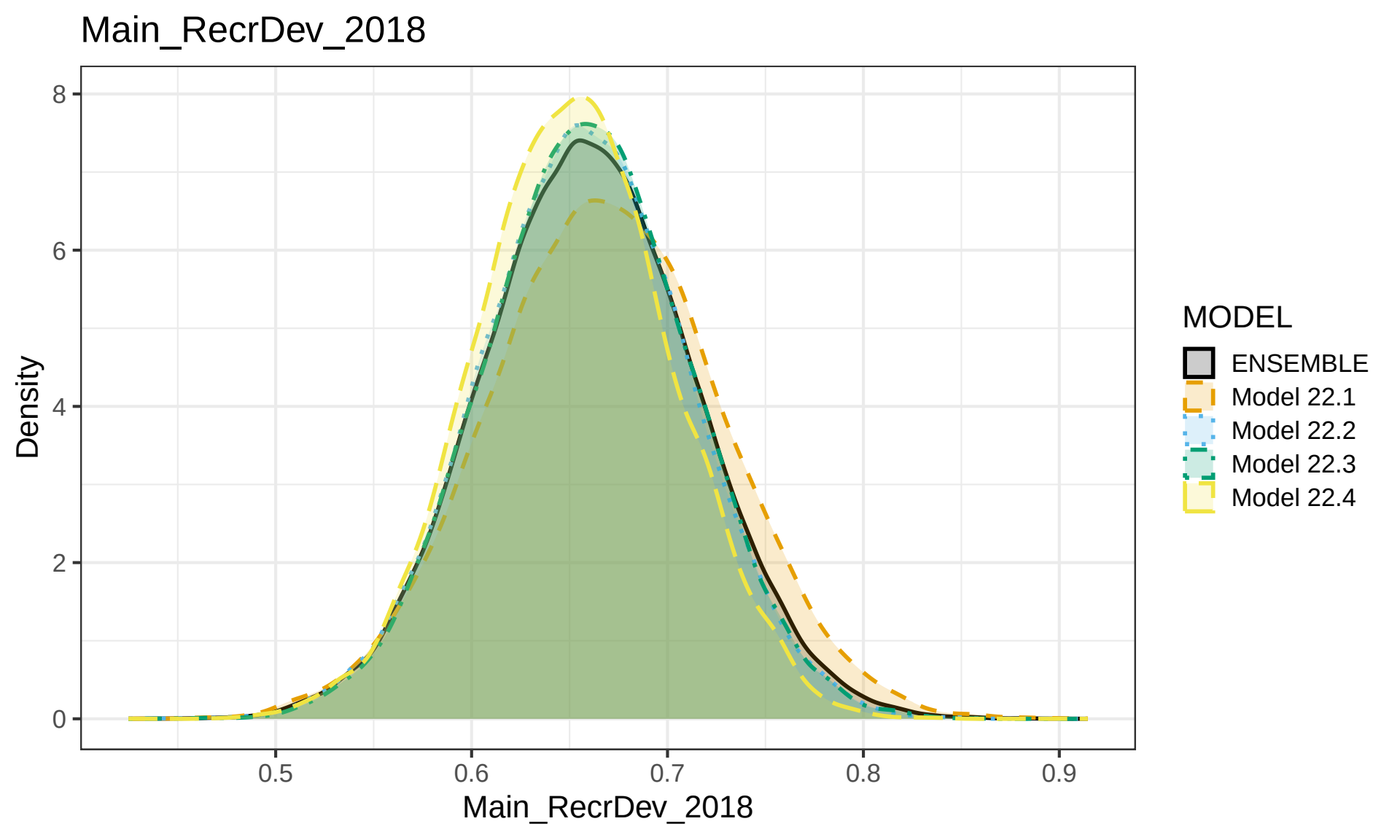

Main_RecrDev_2013
Density
7.5
5.0
2.5
0.0
0.9
1.0
1.1
1.2
1.3
Main_RecrDev_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

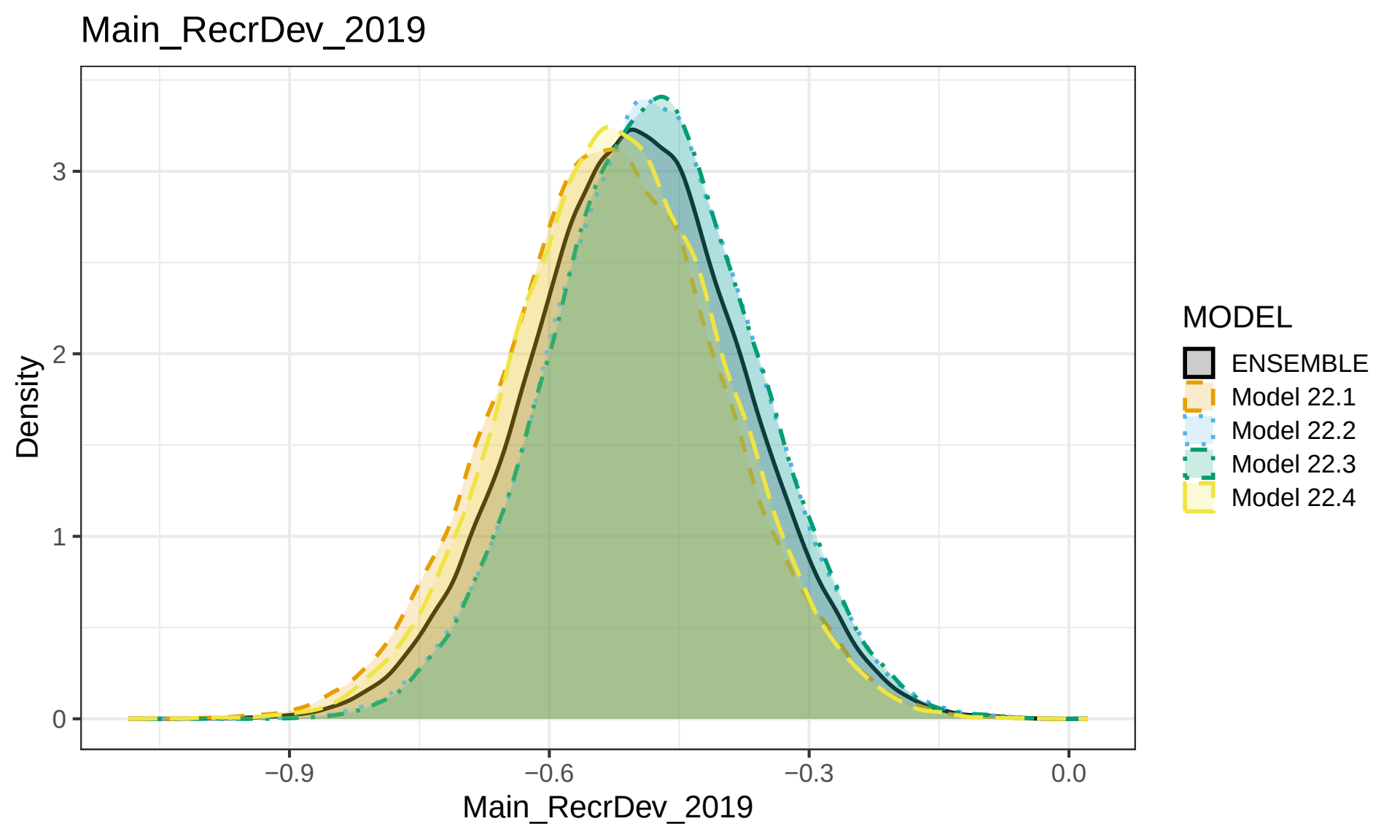

Main_RecrDev_2014
Density
3
2
1
0
−1.0
−0.5
Main_RecrDev_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

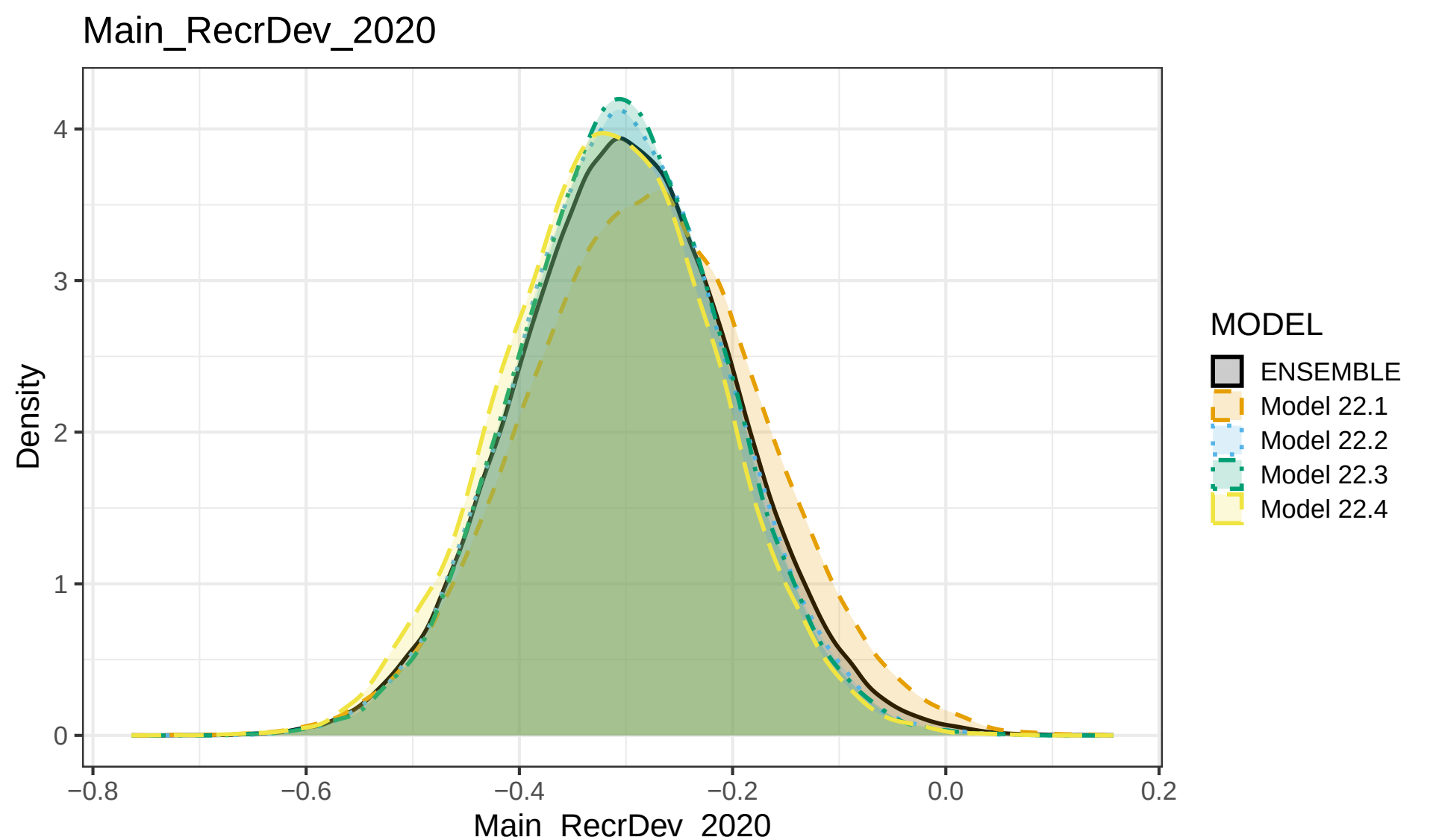

Main_RecrDev_2015
Density
5
4
3
2
1
0
−0.6
−0.4
−0.2
0.0
0.2
Main_RecrDev_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

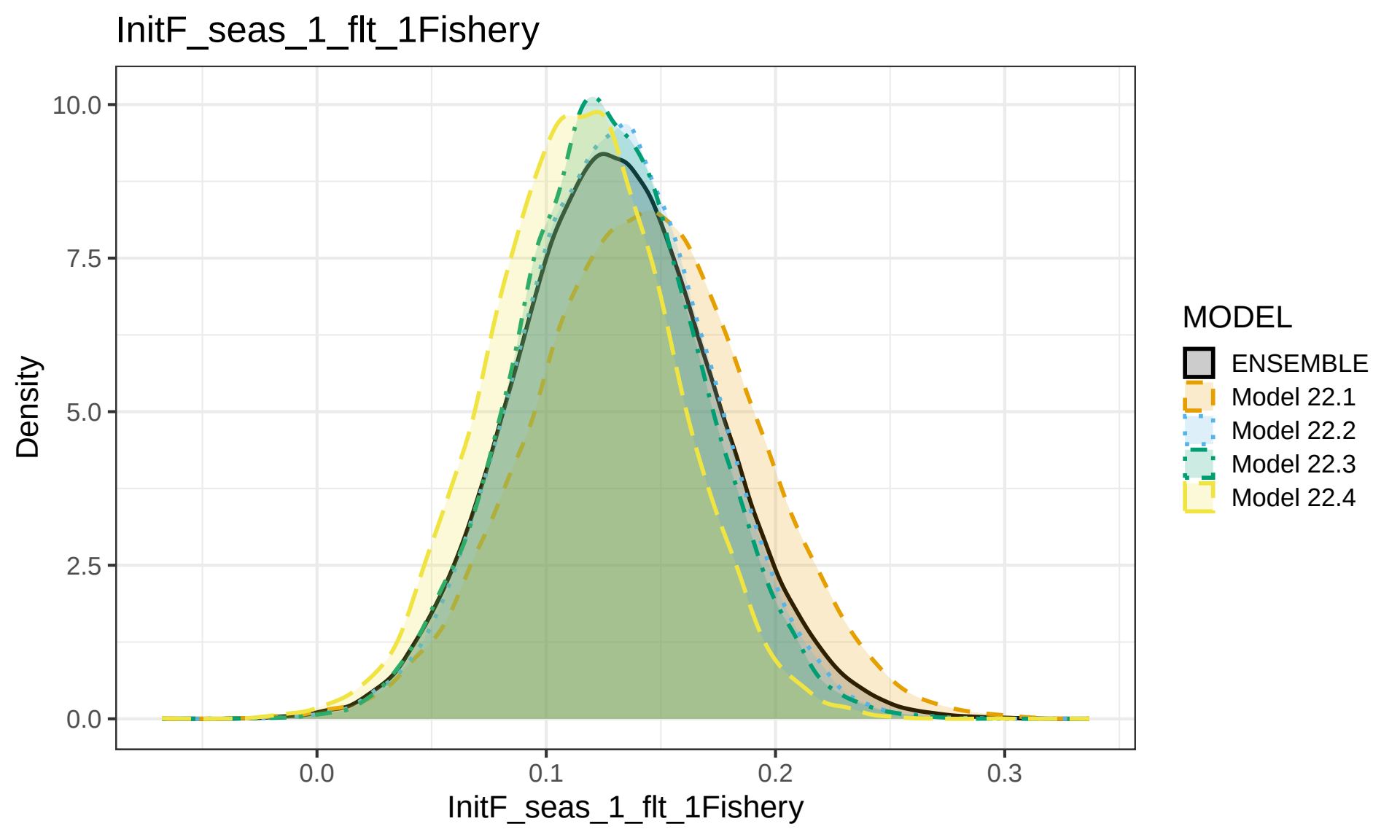

Main_RecrDev_2016
Density
4
3
2
1
0
−1.00
−0.75
−0.50
−0.25
Main_RecrDev_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

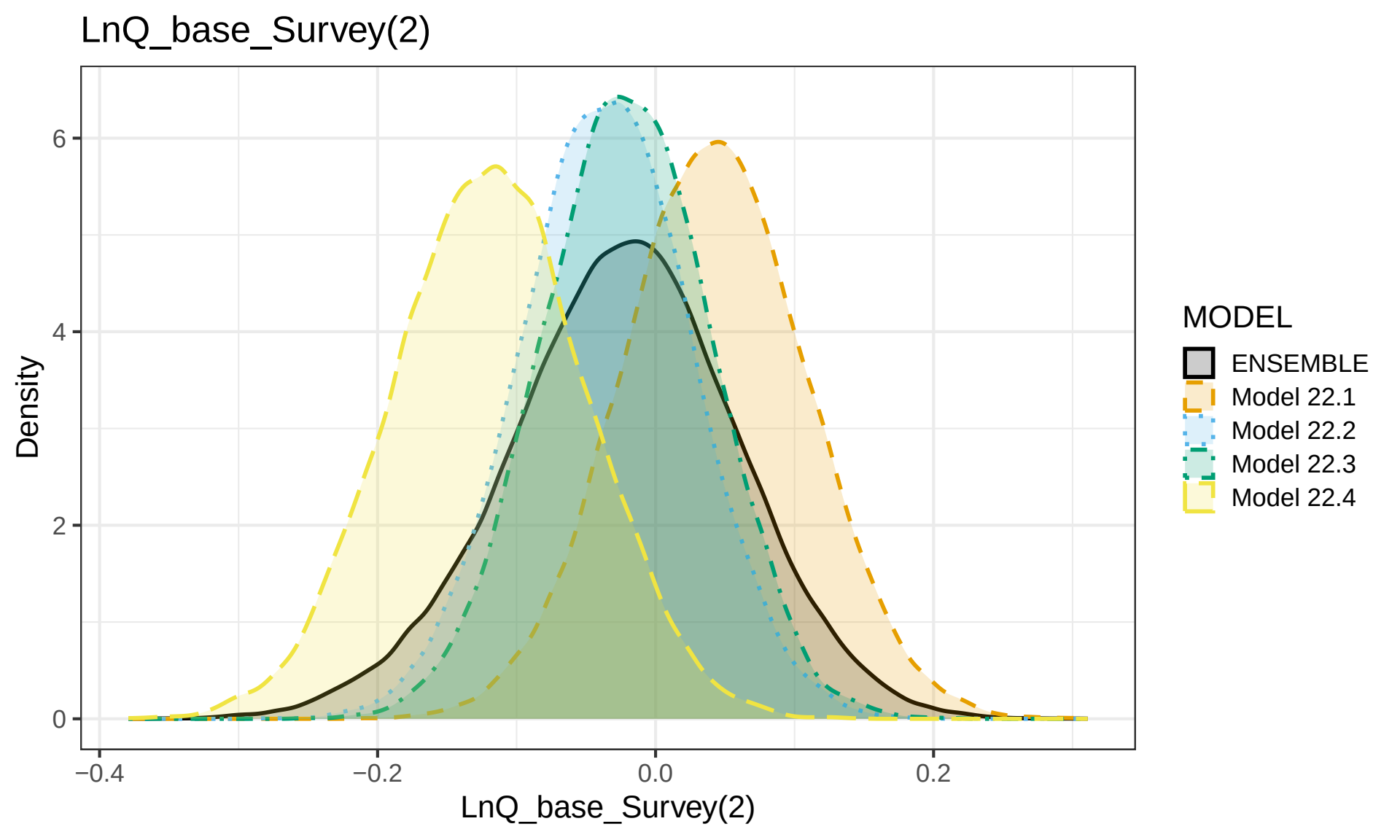

Main_RecrDev_2017
2.5
2.0
1.5
1.0
0.5
0.0
Density
−1.6
−1.2
−0.8
−0.4
Main_RecrDev_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

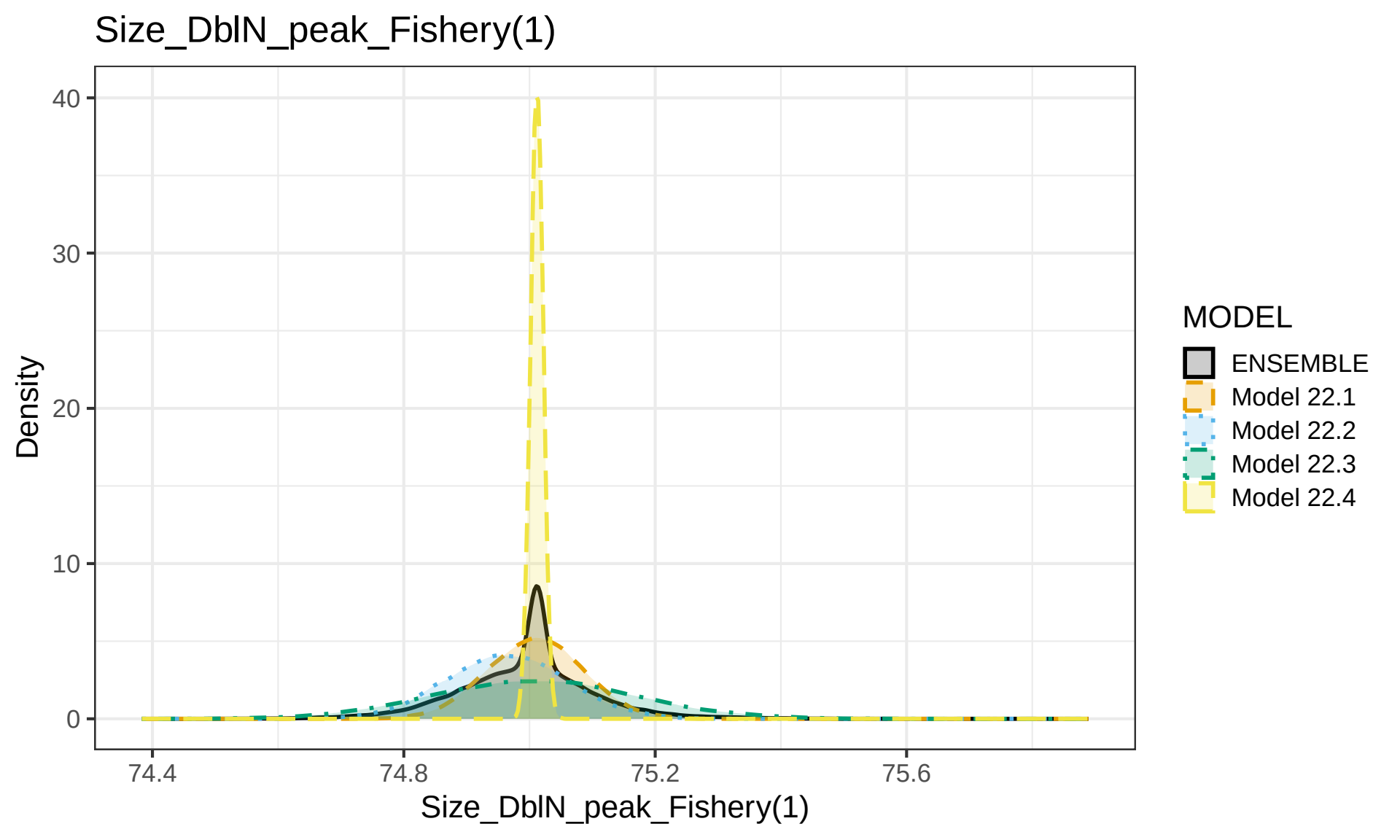

Main_RecrDev_2018
Density
8
6
4
2
0
0.5
0.6
0.7
0.8
0.9
Main_RecrDev_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

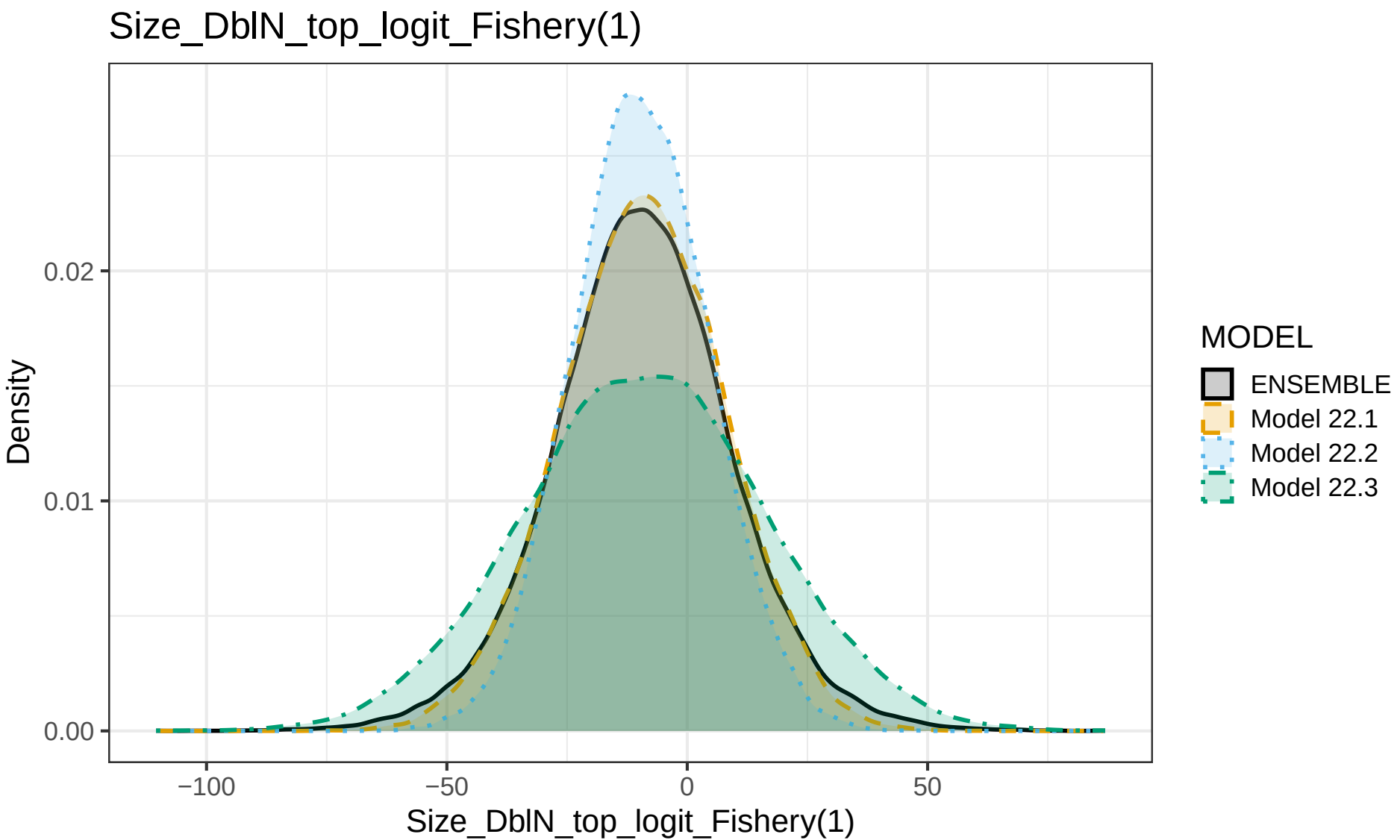

Main_RecrDev_2019
Density
3
2
1
0
−0.9
−0.6
−0.3
0.0
Main_RecrDev_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

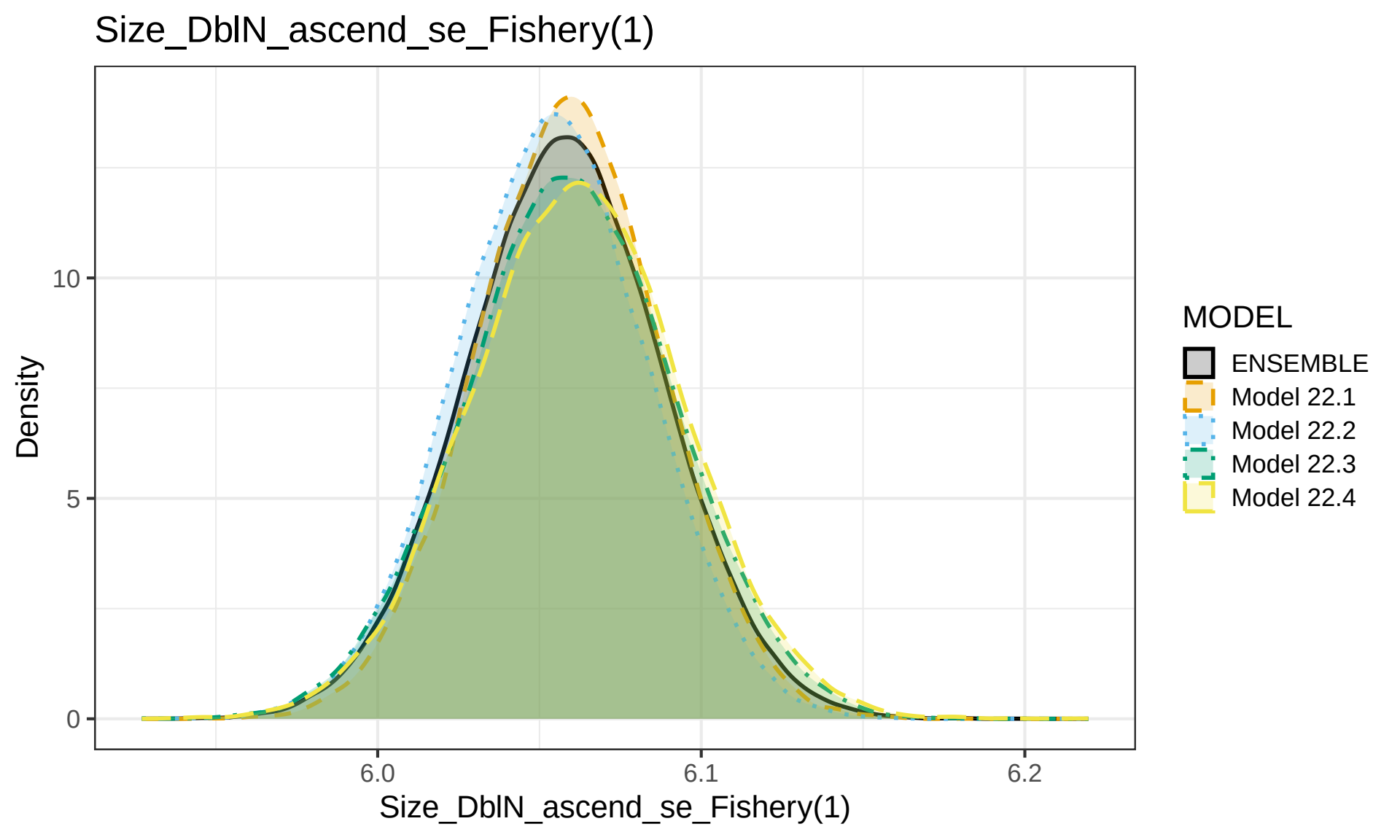

Main_RecrDev_2020
Density
4
3
2
1
0
−0.8
−0.6
−0.4
−0.2
0.0
0.2
Main_RecrDev_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

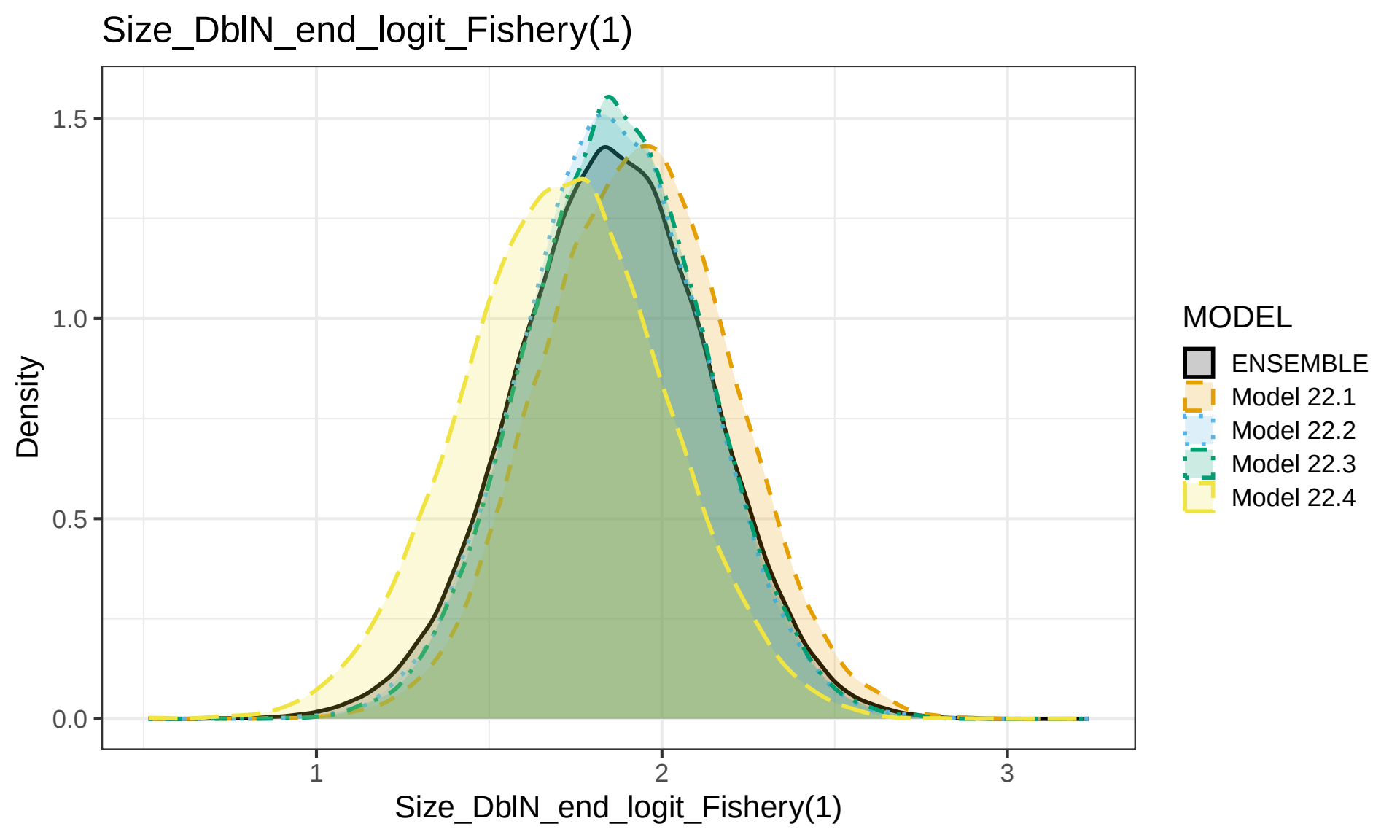

InitF_seas_1_flt_1Fishery
Density
10.0
7.5
5.0
2.5
0.0
0.0
0.1
0.2
0.3
InitF_seas_1_flt_1Fishery
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

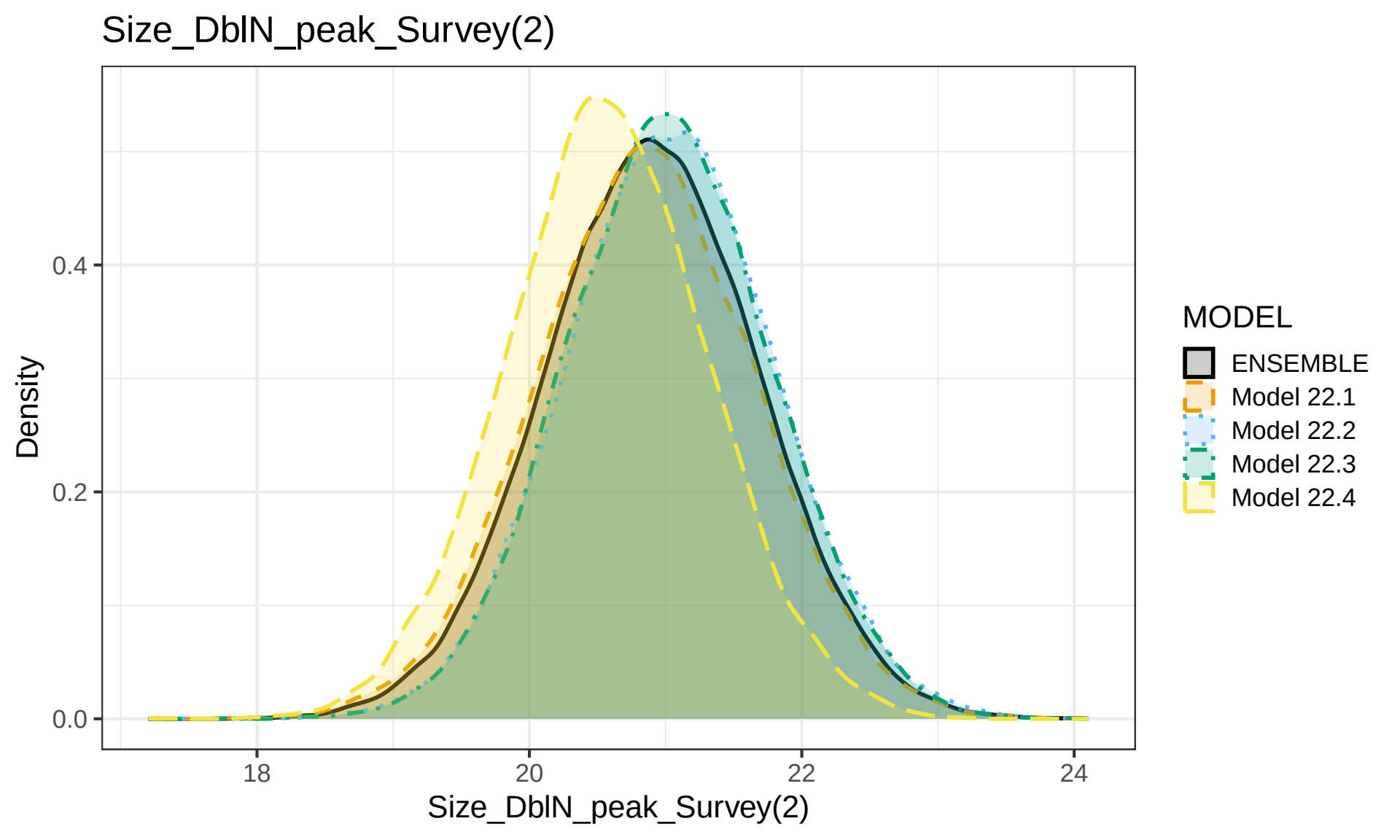

LnQ_base_Survey(2)
Density
6
4
2
0
−0.4
−0.2
0.0
0.2
LnQ_base_Survey(2)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

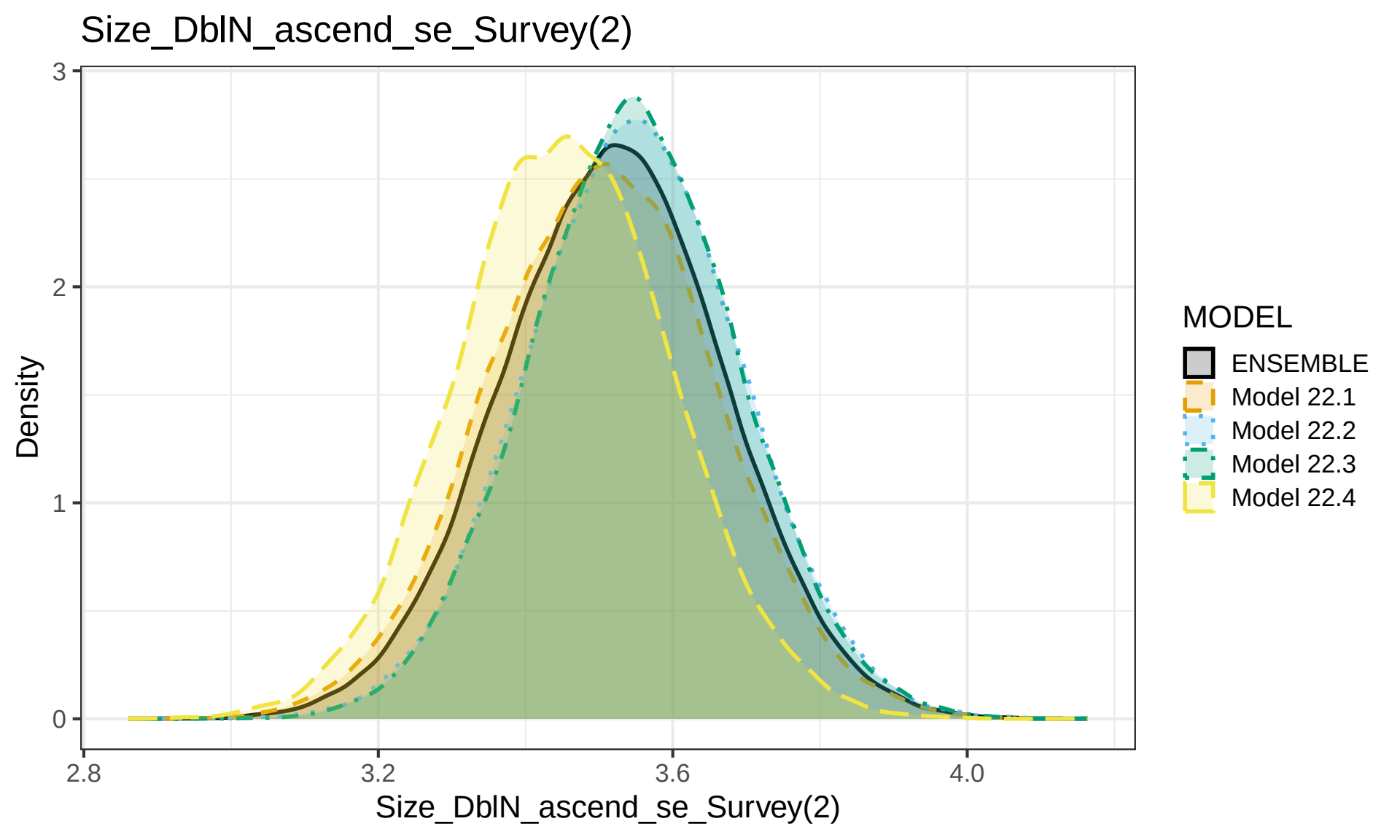

Size_DblN_peak_Fishery(1)
Density
40
30
20
10
0
74.4
74.8
75.2
75.6
Size_DblN_peak_Fishery(1)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

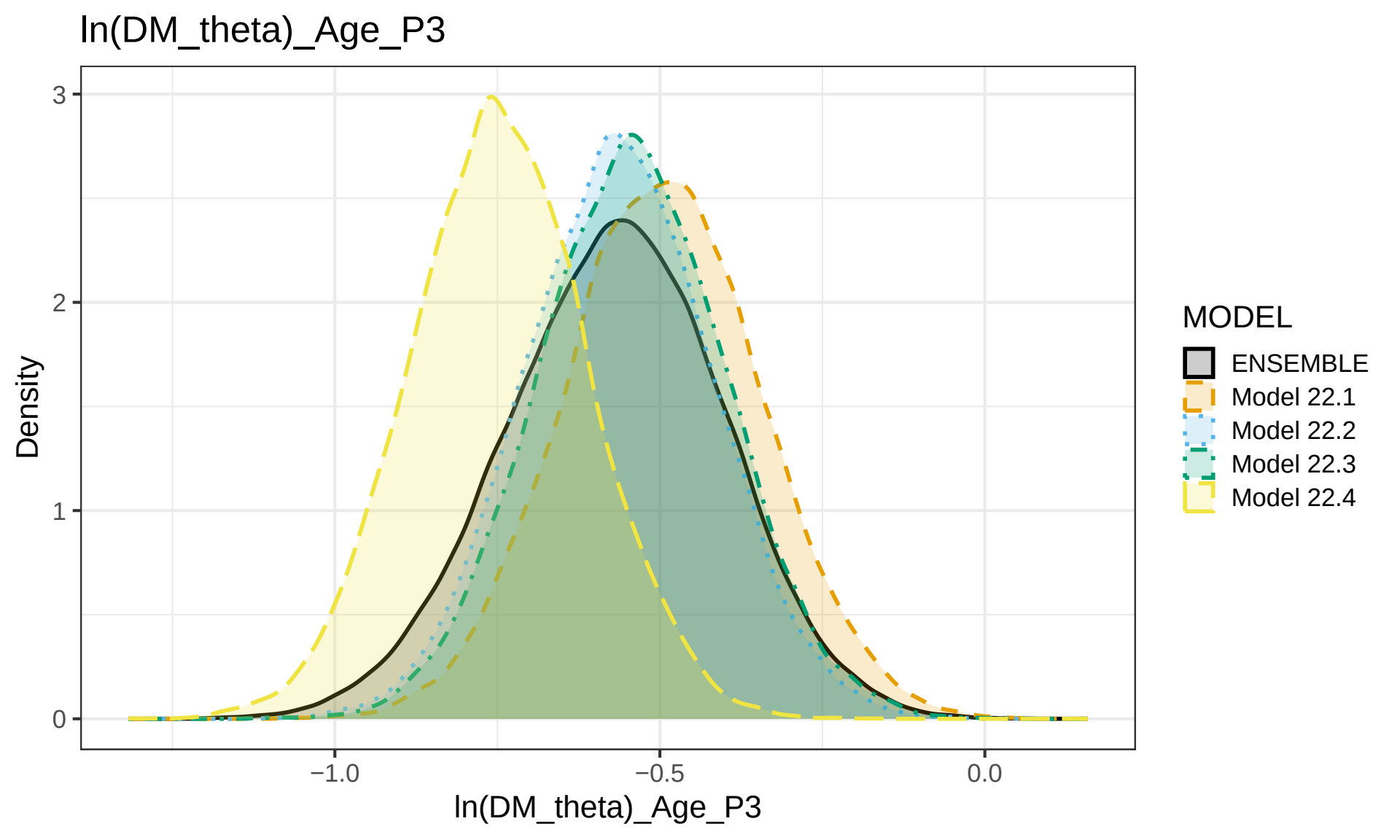

Size_DblN_top_logit_Fishery(1)
Density
0.02
0.01
0.00
−100
−50
0
50
Size_DblN_top_logit_Fishery(1)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3

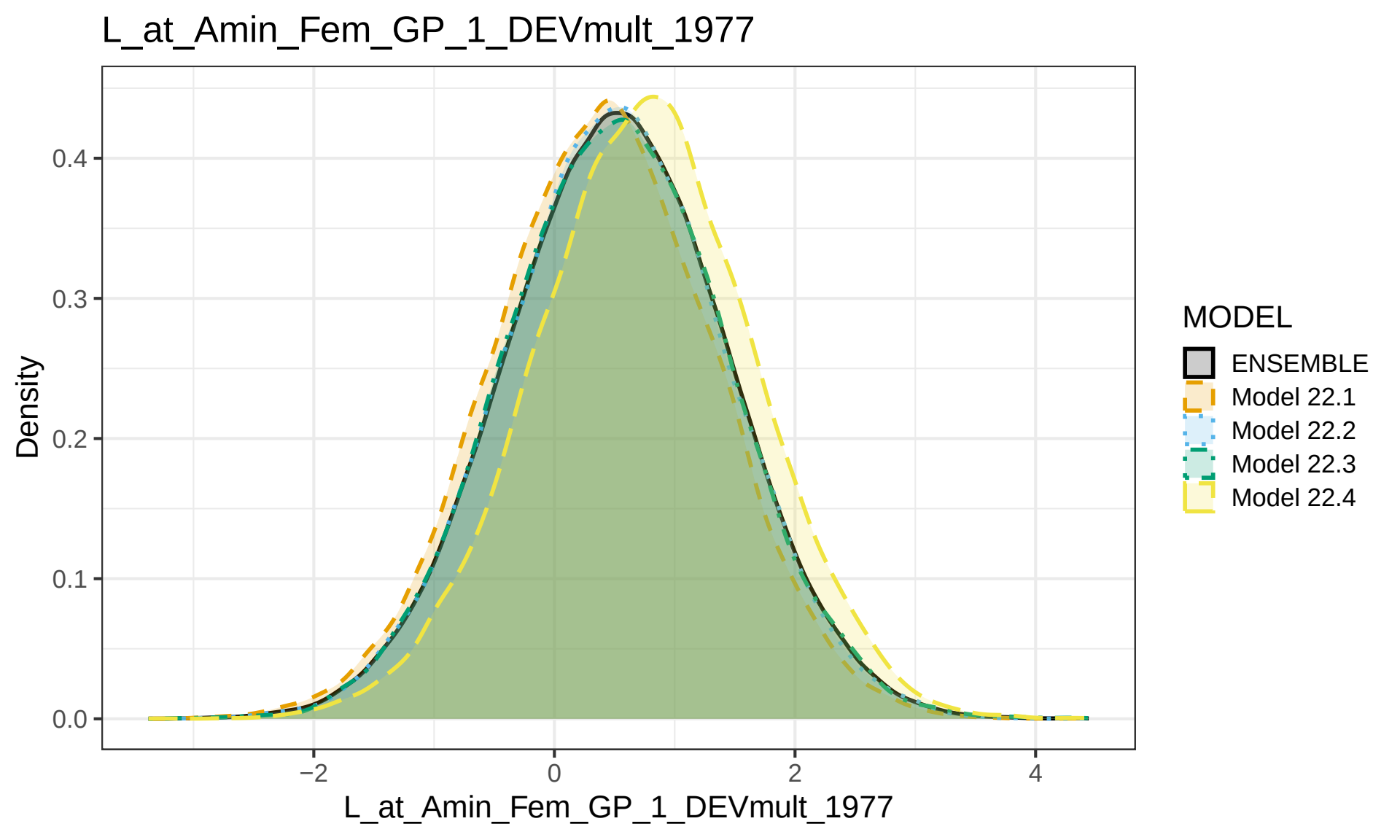

Size_DblN_ascend_se_Fishery(1)
Density
10
5
0
6.0
6.1
6.2
Size_DblN_ascend_se_Fishery(1)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

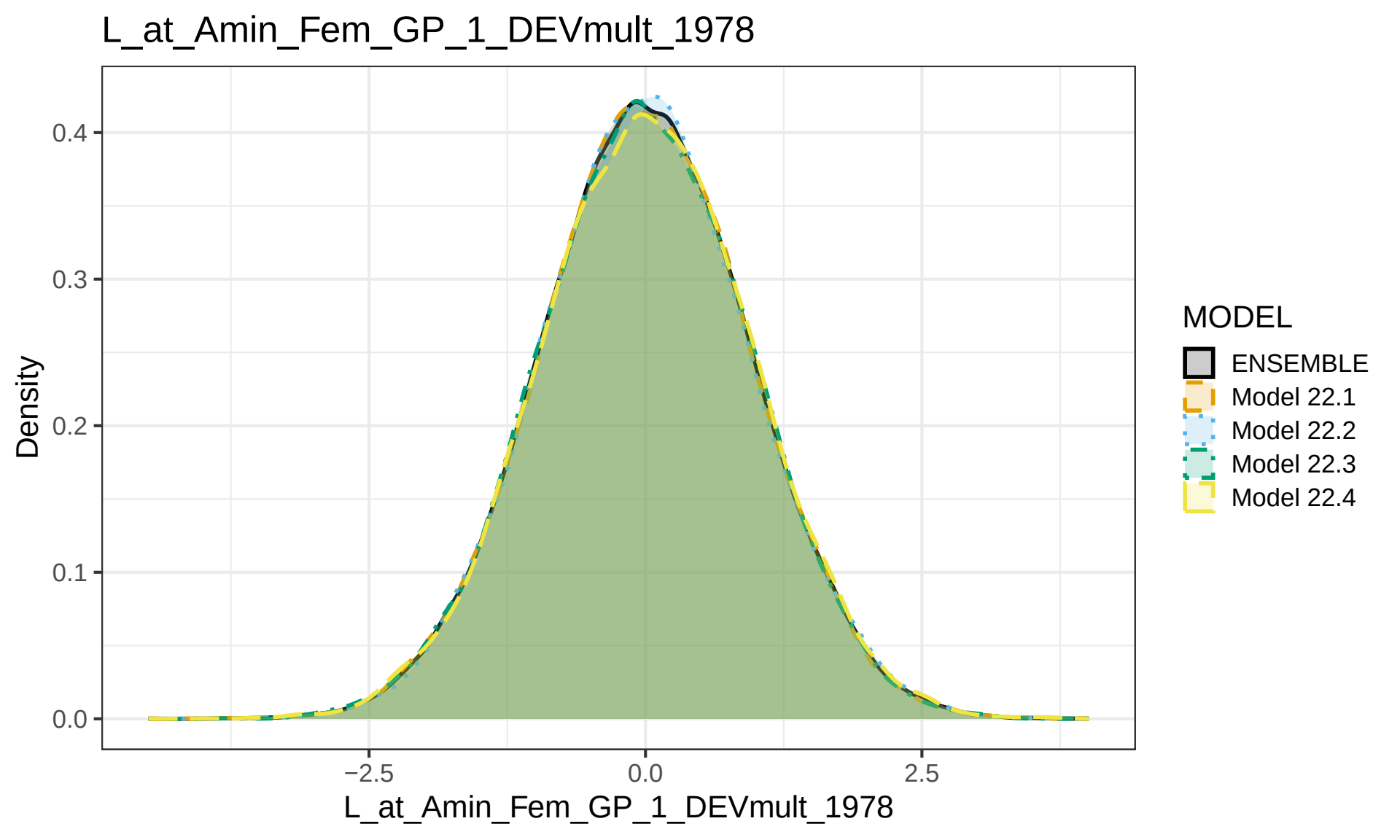

Size_DblN_end_logit_Fishery(1)
Density
1.5
1.0
0.5
0.0
1
2
3
Size_DblN_end_logit_Fishery(1)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

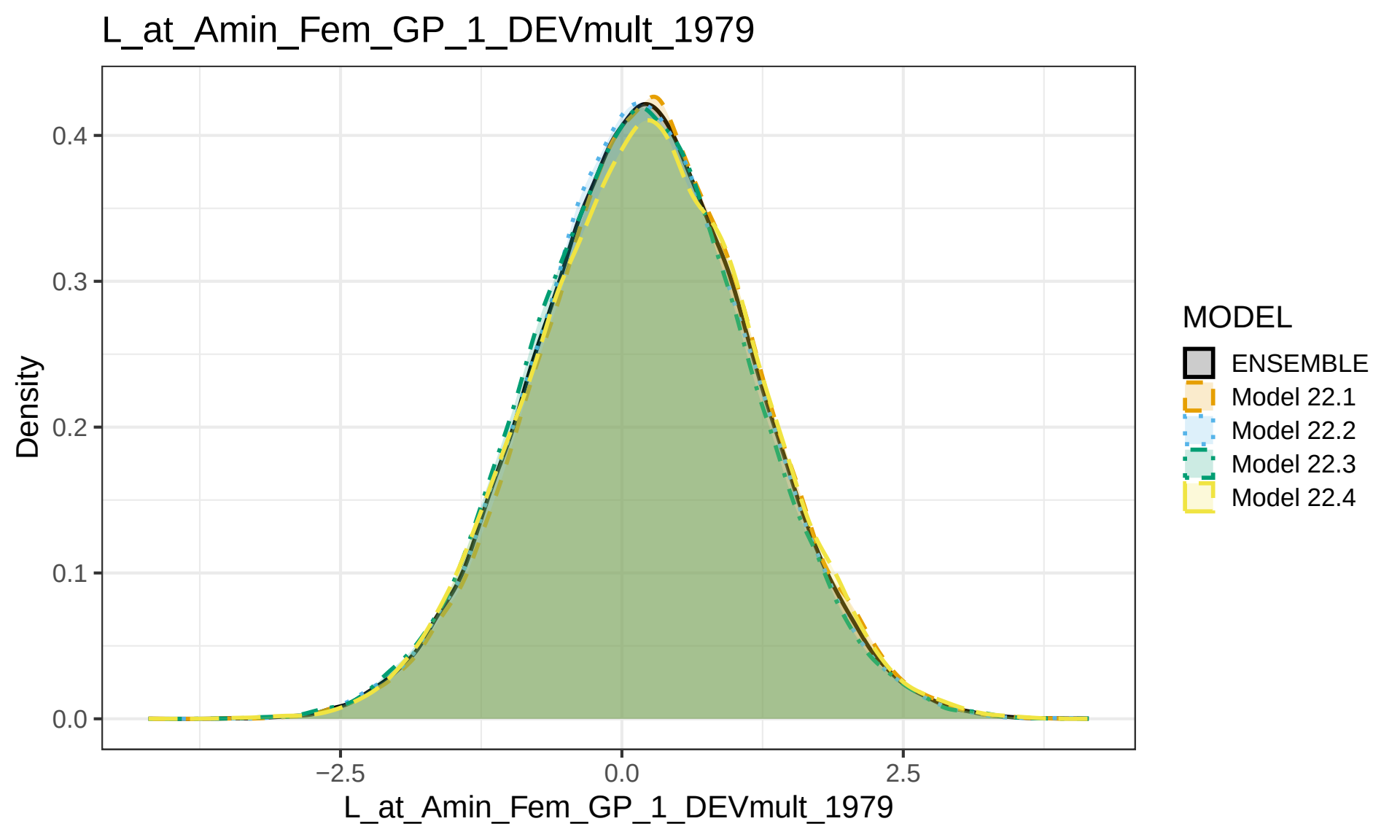

Size_DblN_peak_Survey(2)
Density
0.0
0.2
0.4
18
20
22
24
Size_DblN_peak_Survey(2)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

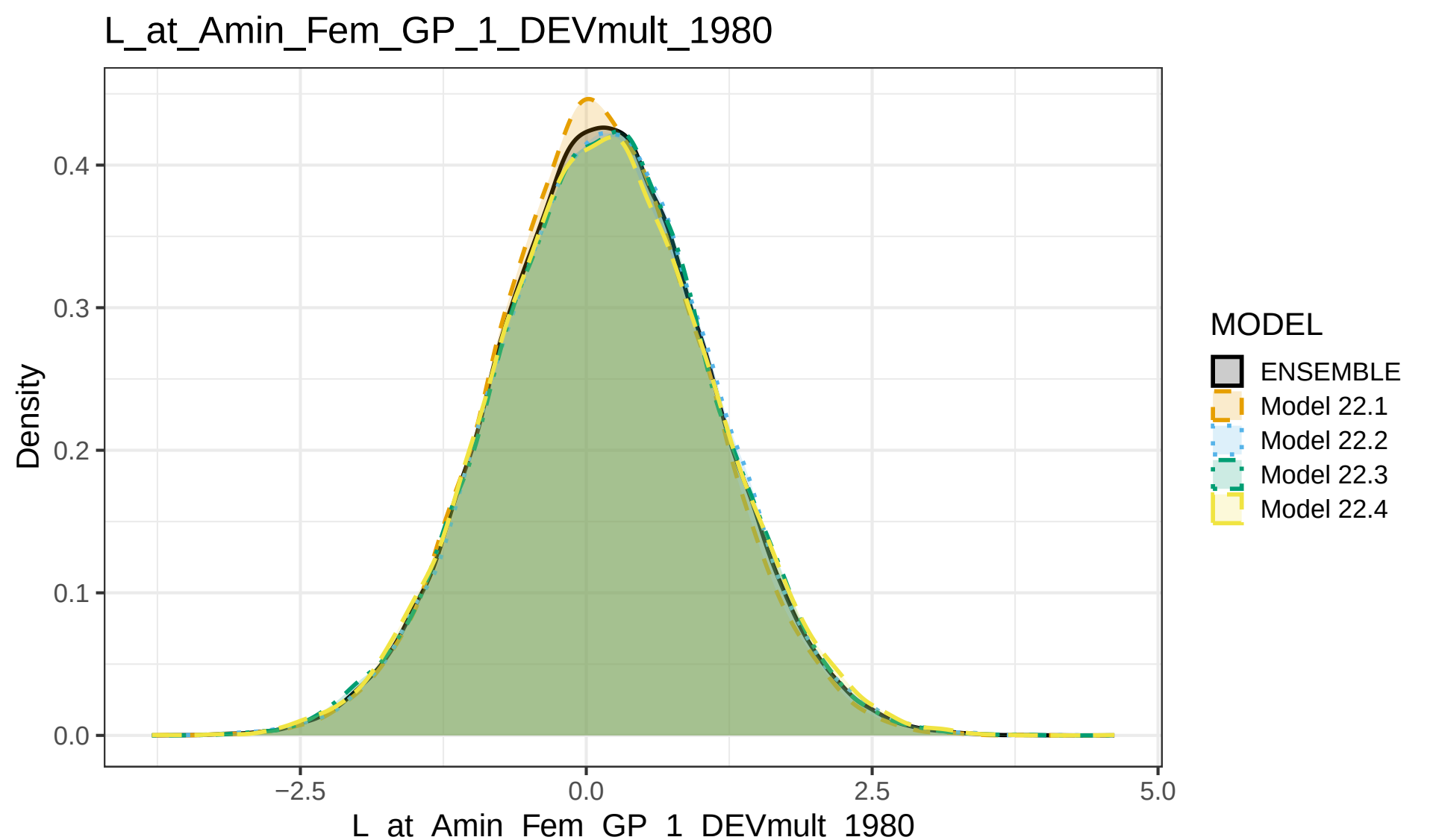

Size_DblN_ascend_se_Survey(2)
Density
3
2
1
0
2.8
3.2
3.6
4.0
Size_DblN_ascend_se_Survey(2)
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

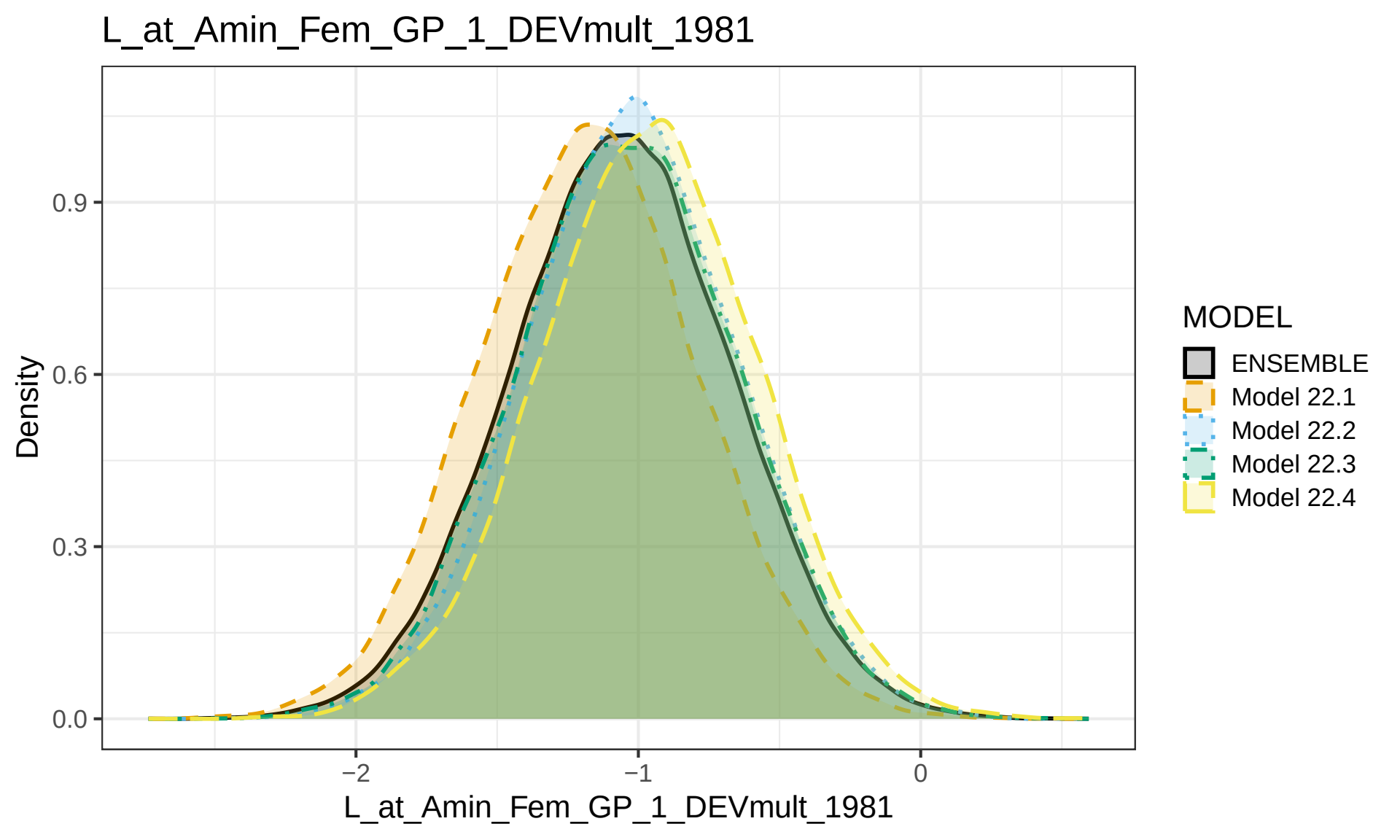

ln(DM_theta)_Age_P3
Density
3
2
1
0
−1.0
−0.5
0.0
ln(DM_theta)_Age_P3
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

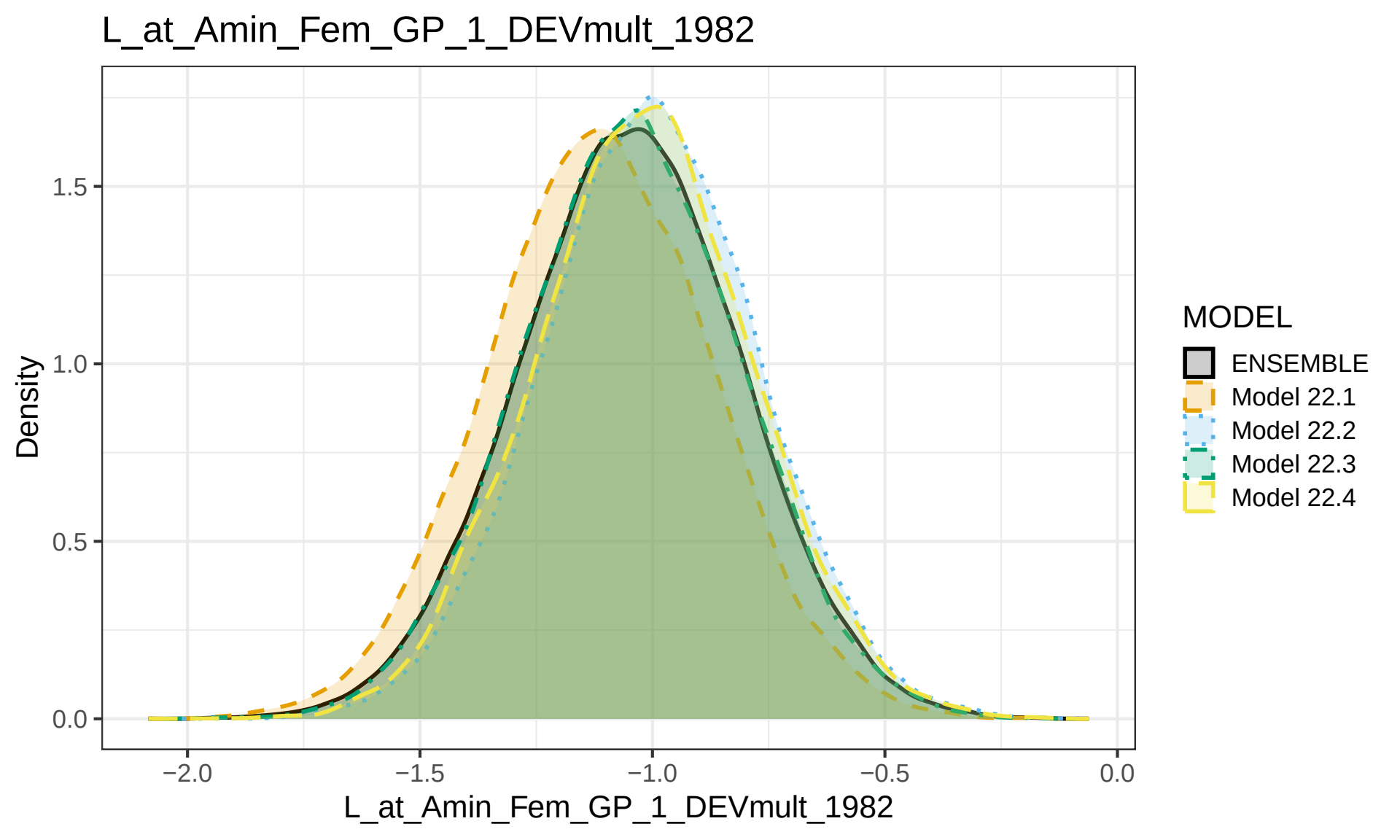

L_at_Amin_Fem_GP_1_DEVmult_1977
Density
0.0
0.1
0.2
0.3
0.4
−2
0
2
4
L_at_Amin_Fem_GP_1_DEVmult_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

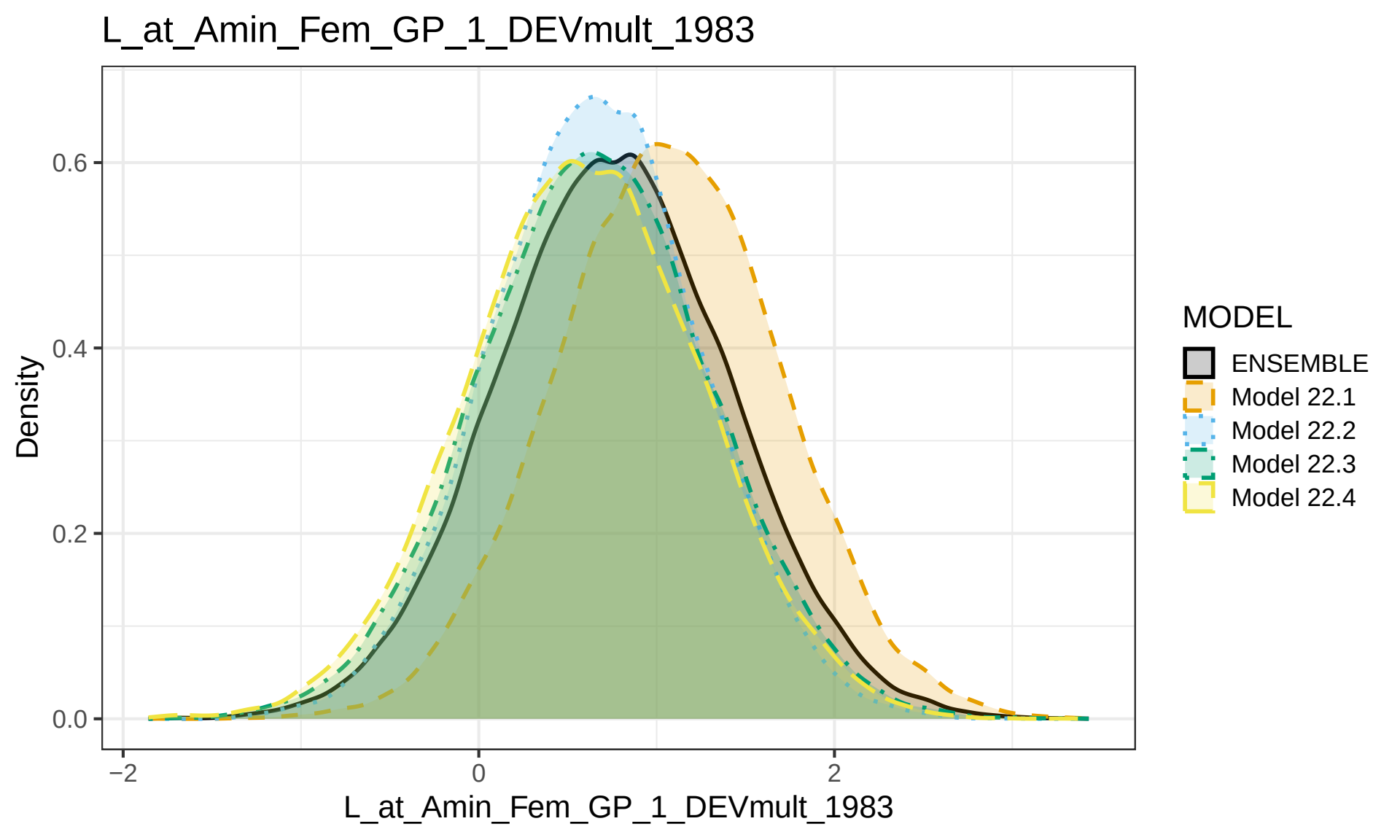

L_at_Amin_Fem_GP_1_DEVmult_1978
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
L_at_Amin_Fem_GP_1_DEVmult_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

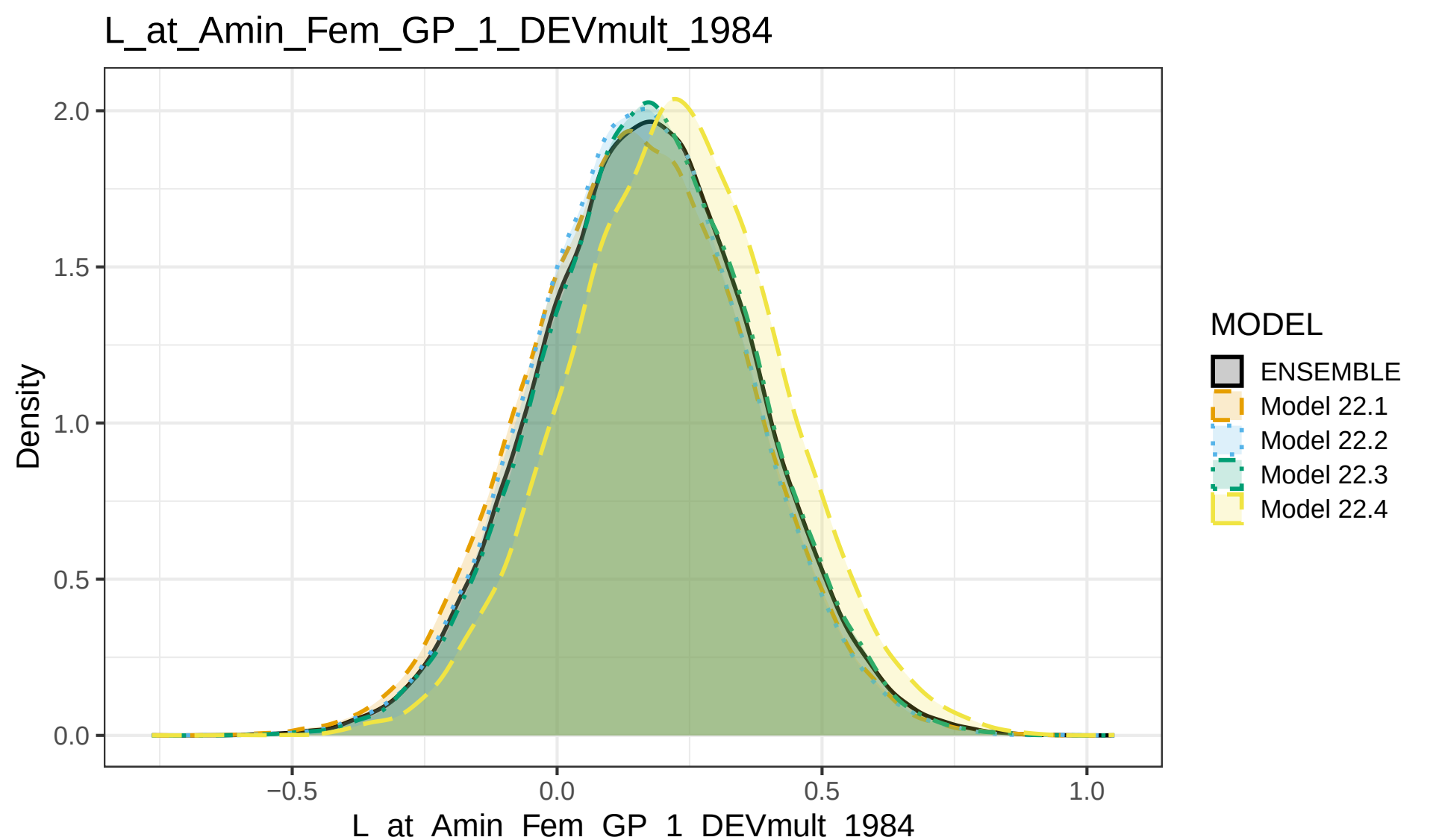

L_at_Amin_Fem_GP_1_DEVmult_1979
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
L_at_Amin_Fem_GP_1_DEVmult_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

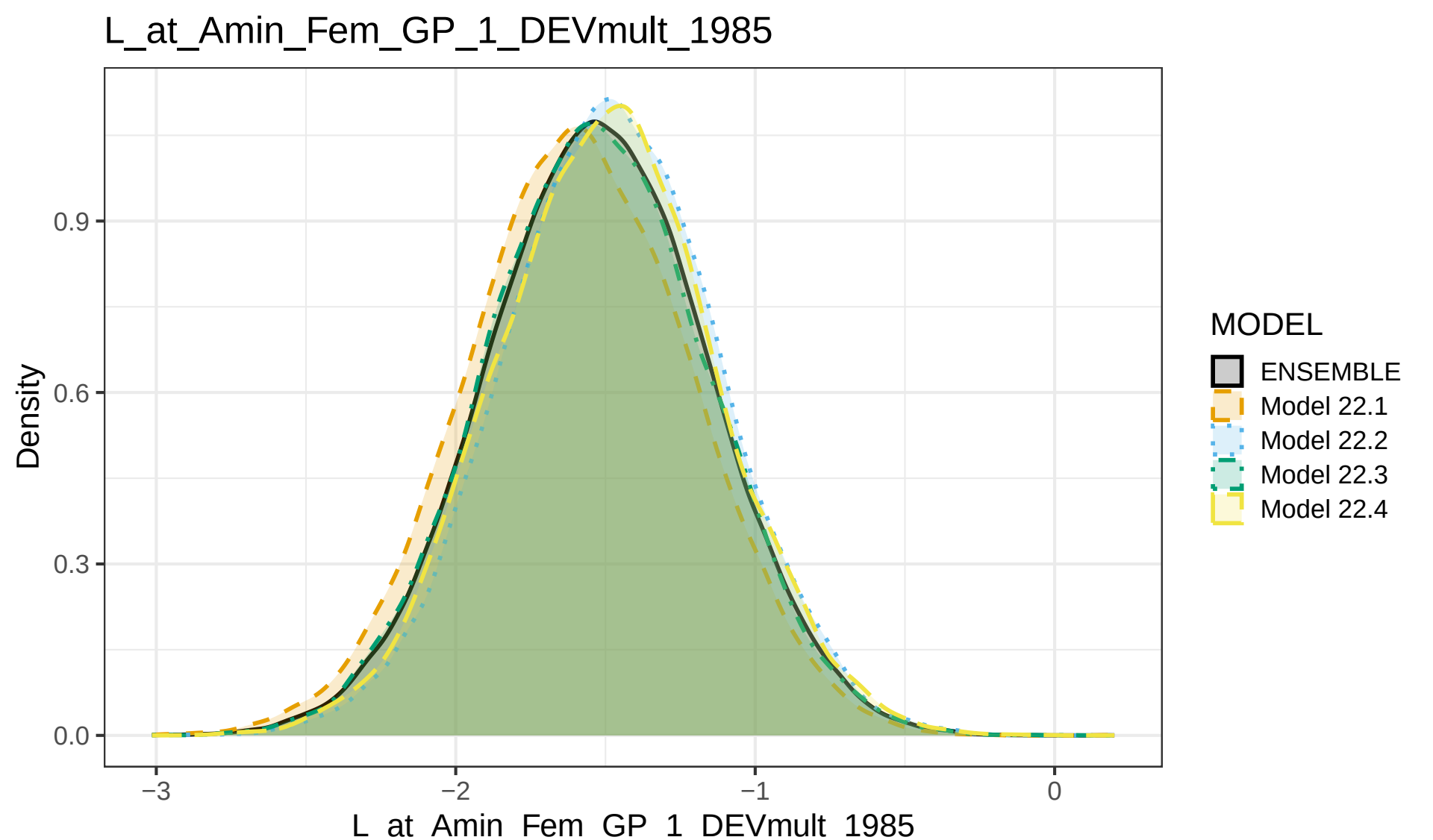

L_at_Amin_Fem_GP_1_DEVmult_1980
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
5.0
L_at_Amin_Fem_GP_1_DEVmult_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

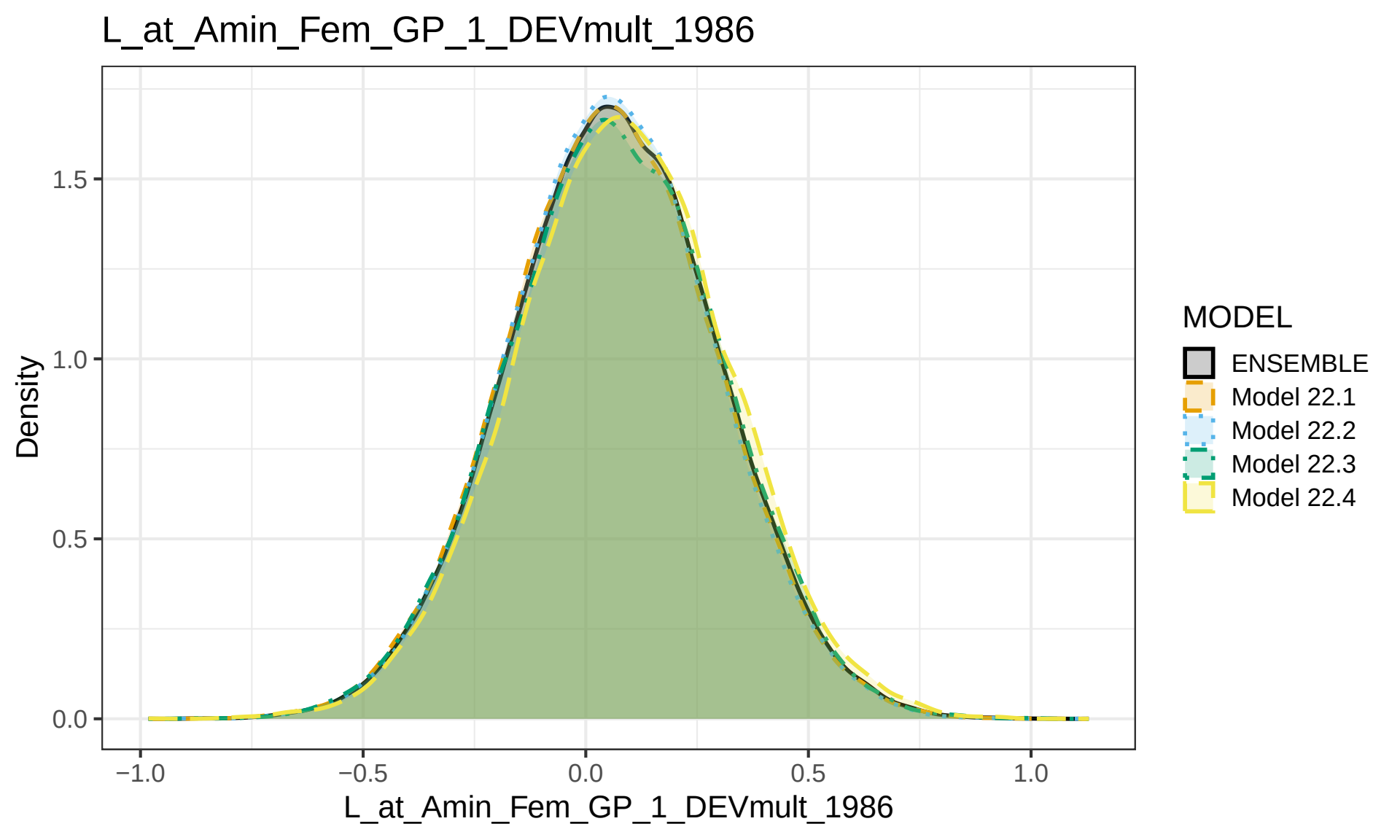

L_at_Amin_Fem_GP_1_DEVmult_1981
Density
0.0
0.3
0.6
0.9
−2
−1
0
L_at_Amin_Fem_GP_1_DEVmult_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

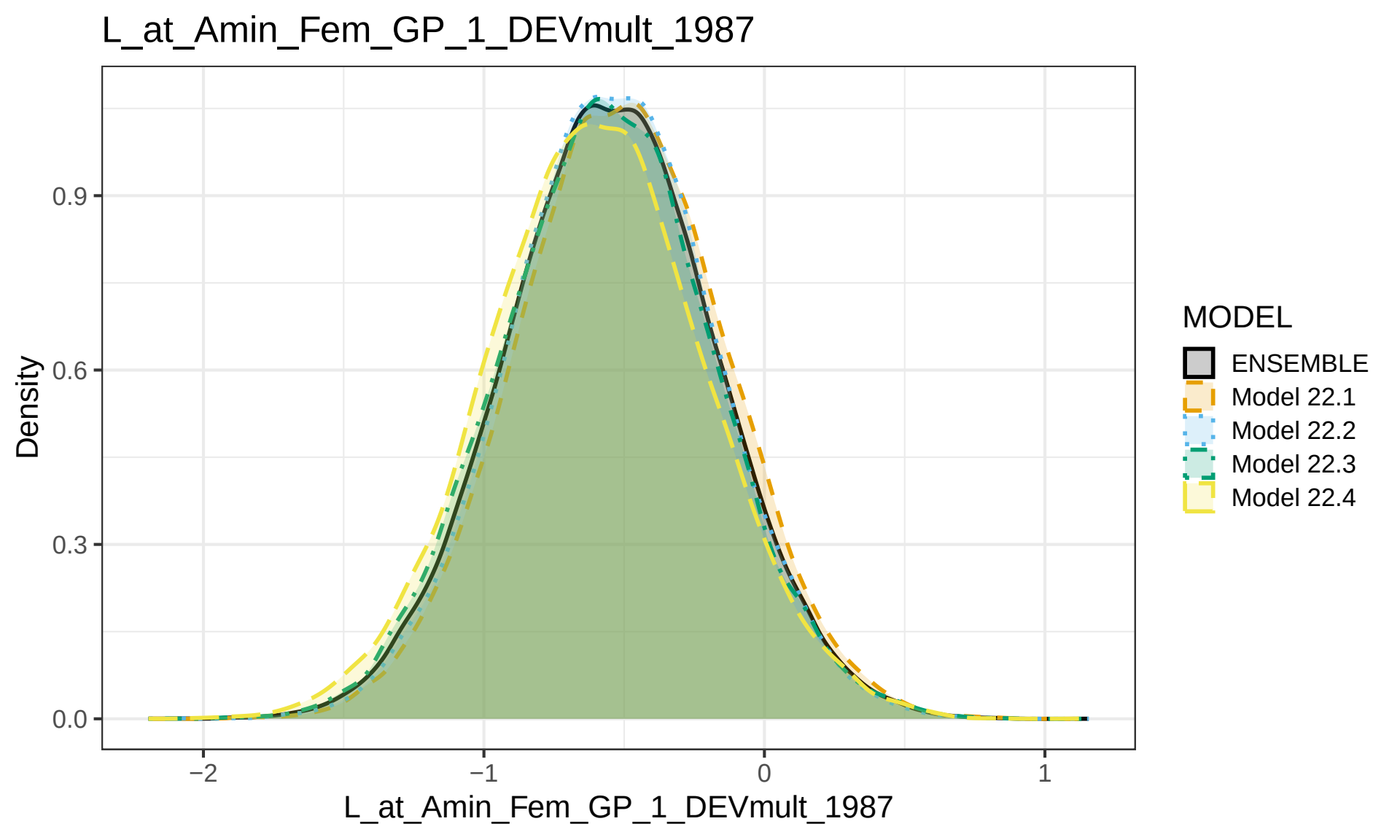

L_at_Amin_Fem_GP_1_DEVmult_1982
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
0.0
L_at_Amin_Fem_GP_1_DEVmult_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

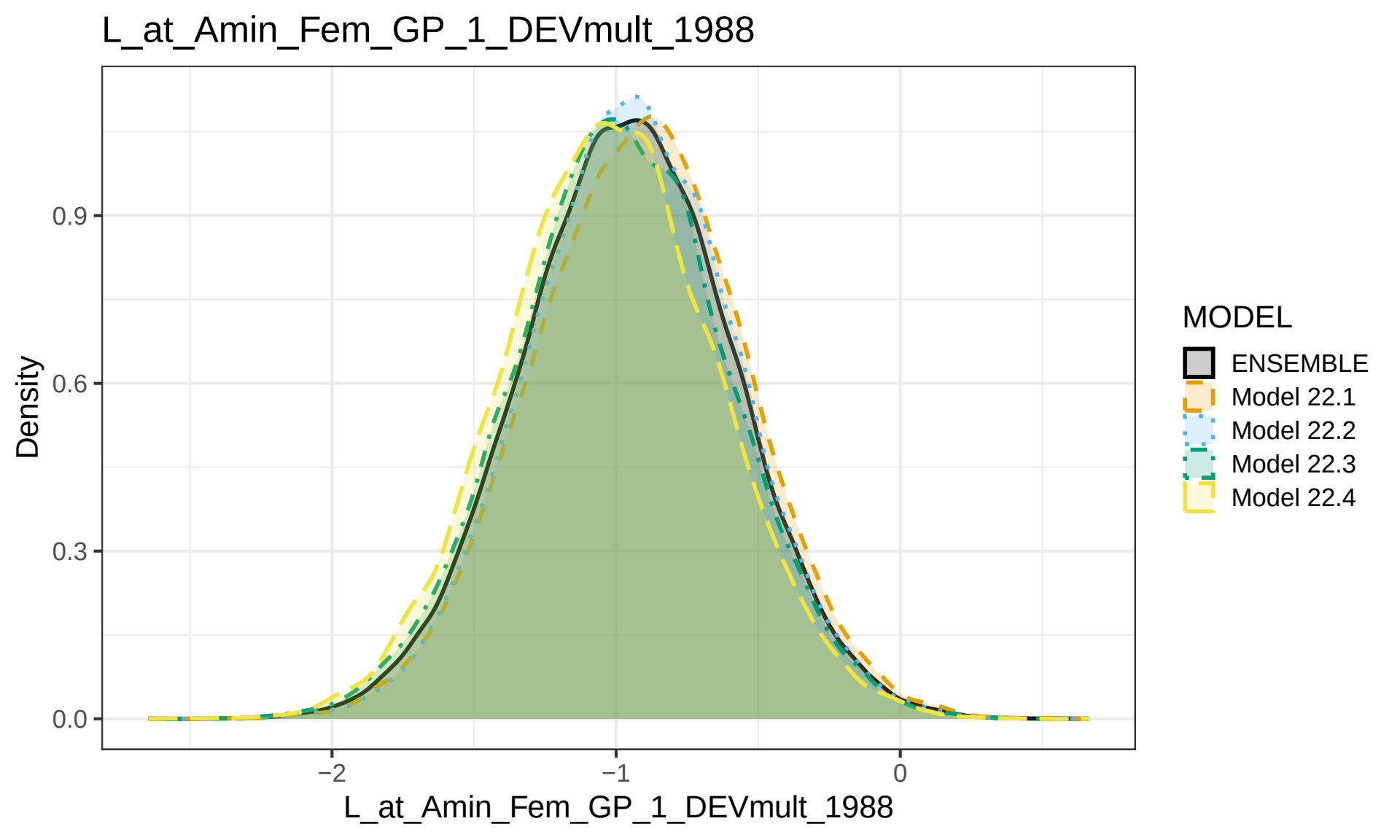

L_at_Amin_Fem_GP_1_DEVmult_1983
Density
0.0
0.2
0.4
0.6
−2
0
2
L_at_Amin_Fem_GP_1_DEVmult_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

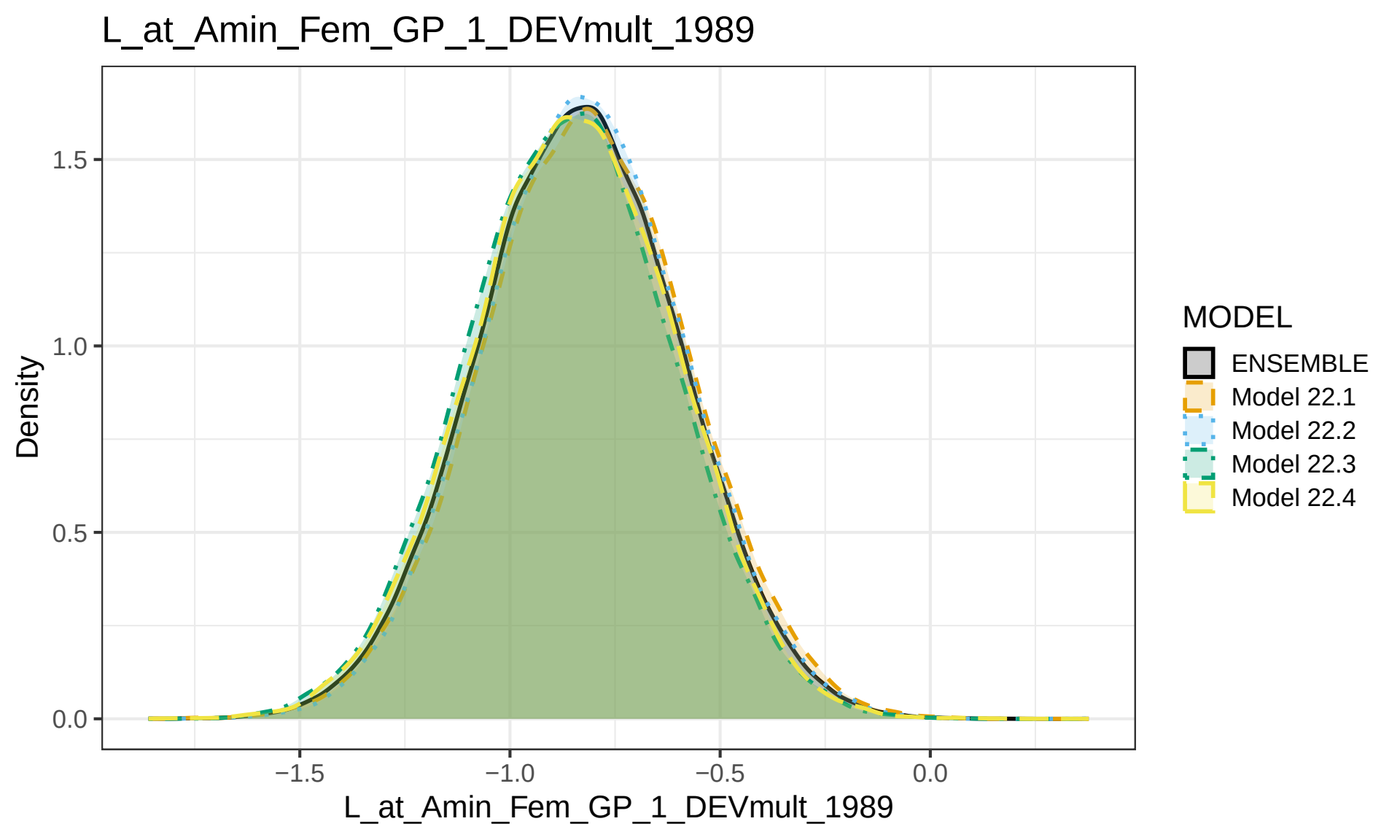

L_at_Amin_Fem_GP_1_DEVmult_1984
Density
2.0
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

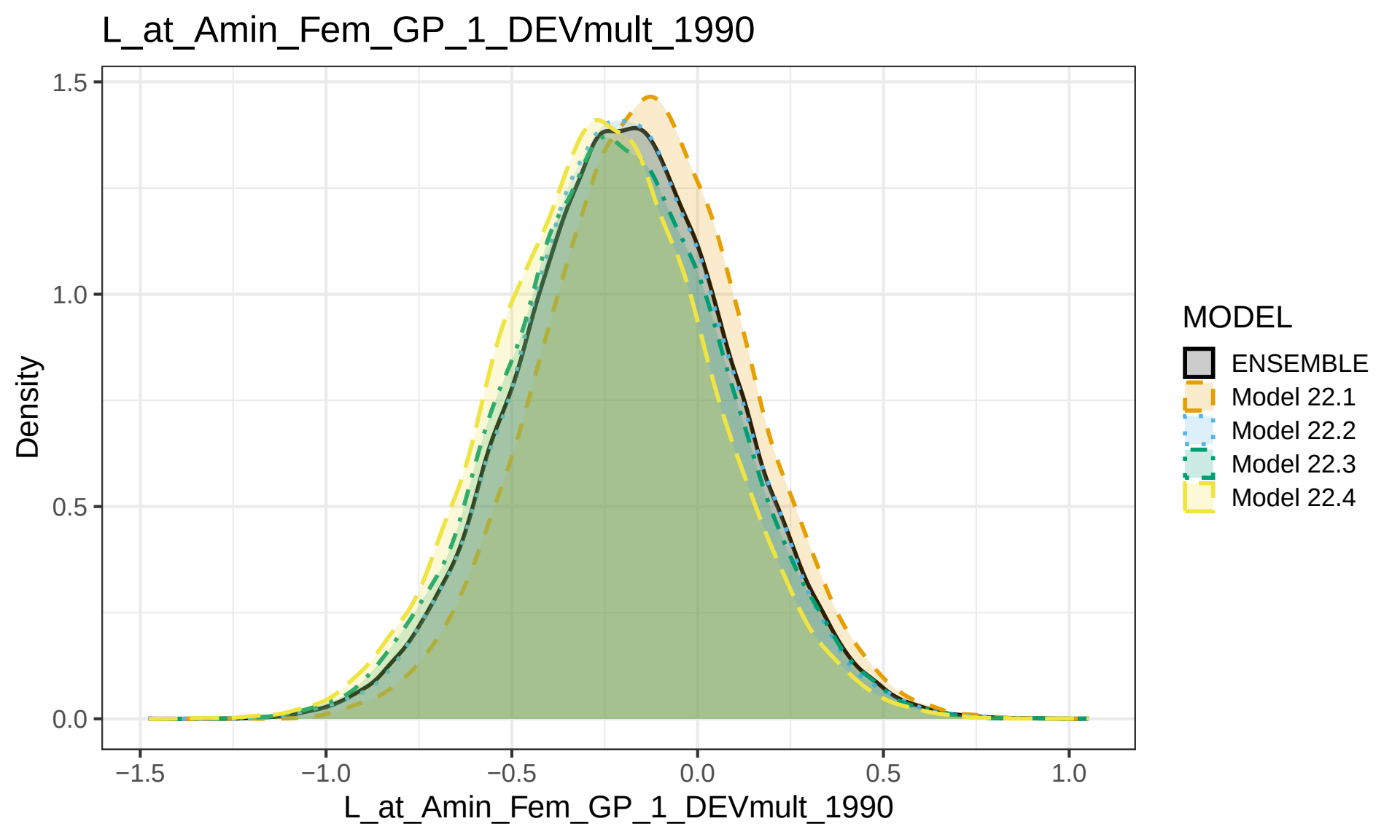

L_at_Amin_Fem_GP_1_DEVmult_1985
Density
0.0
0.3
0.6
0.9
−3
−2
−1
0
L_at_Amin_Fem_GP_1_DEVmult_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

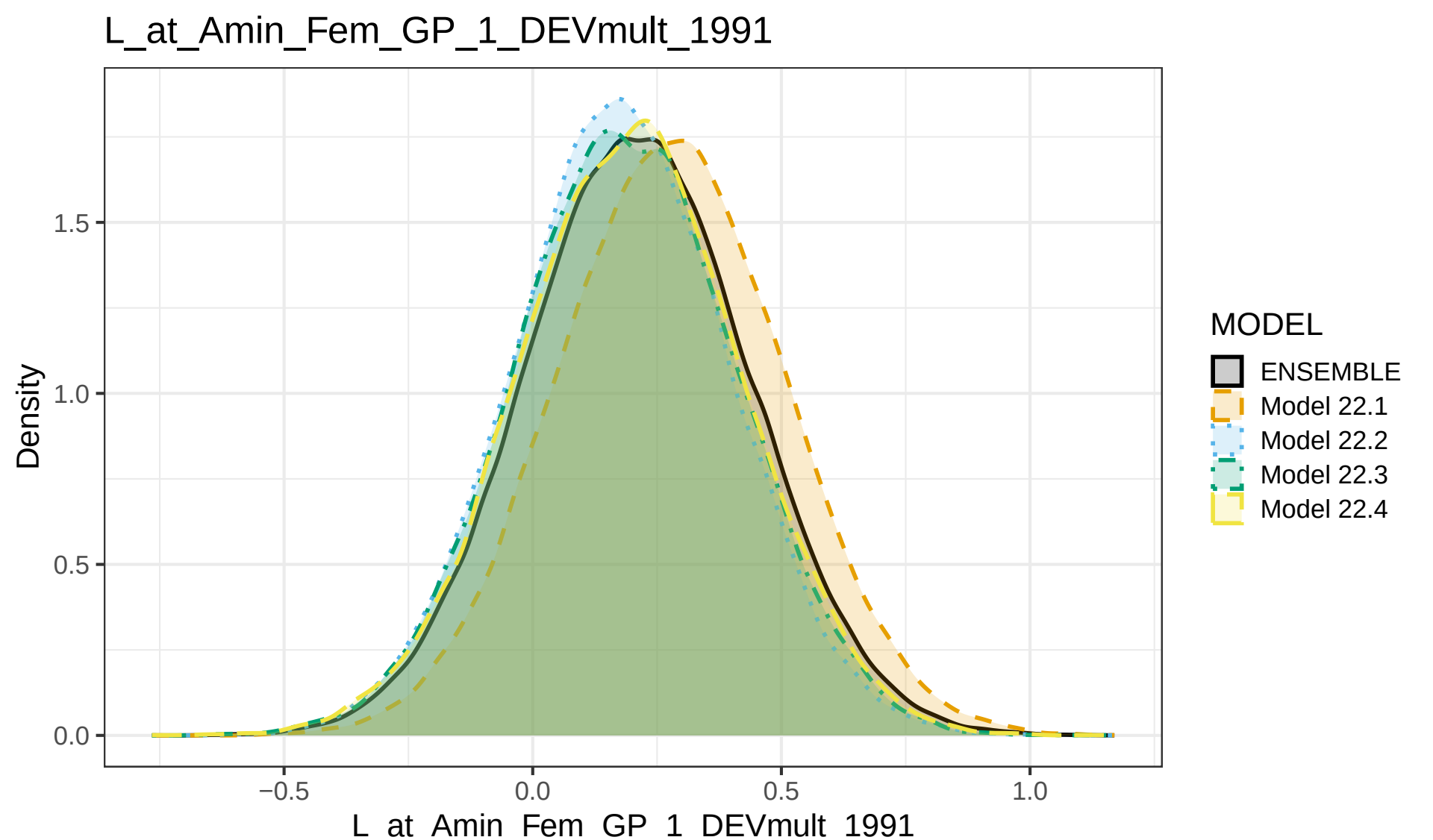

L_at_Amin_Fem_GP_1_DEVmult_1986
Density
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

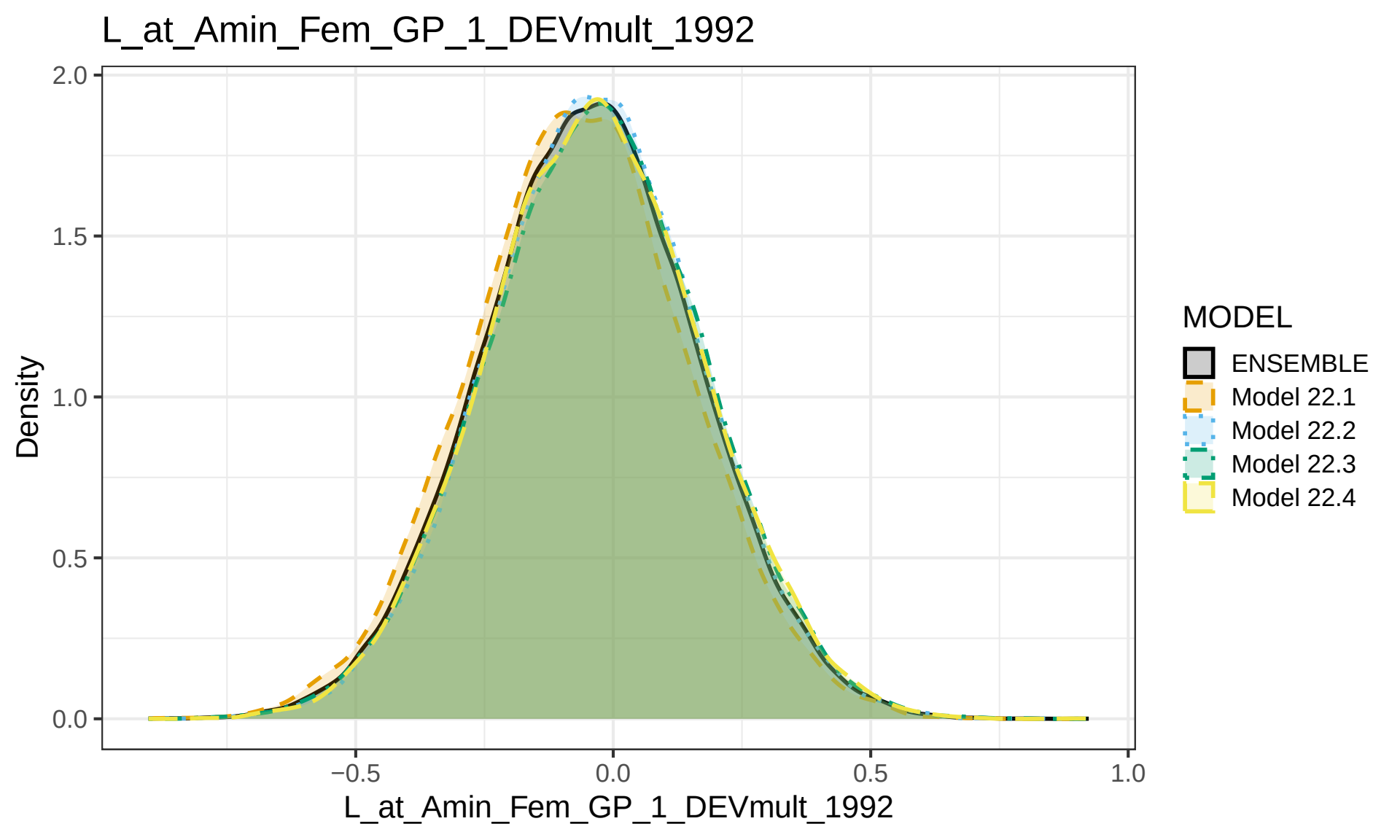

L_at_Amin_Fem_GP_1_DEVmult_1987
Density
0.0
0.3
0.6
0.9
−2
−1
0
1
L_at_Amin_Fem_GP_1_DEVmult_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

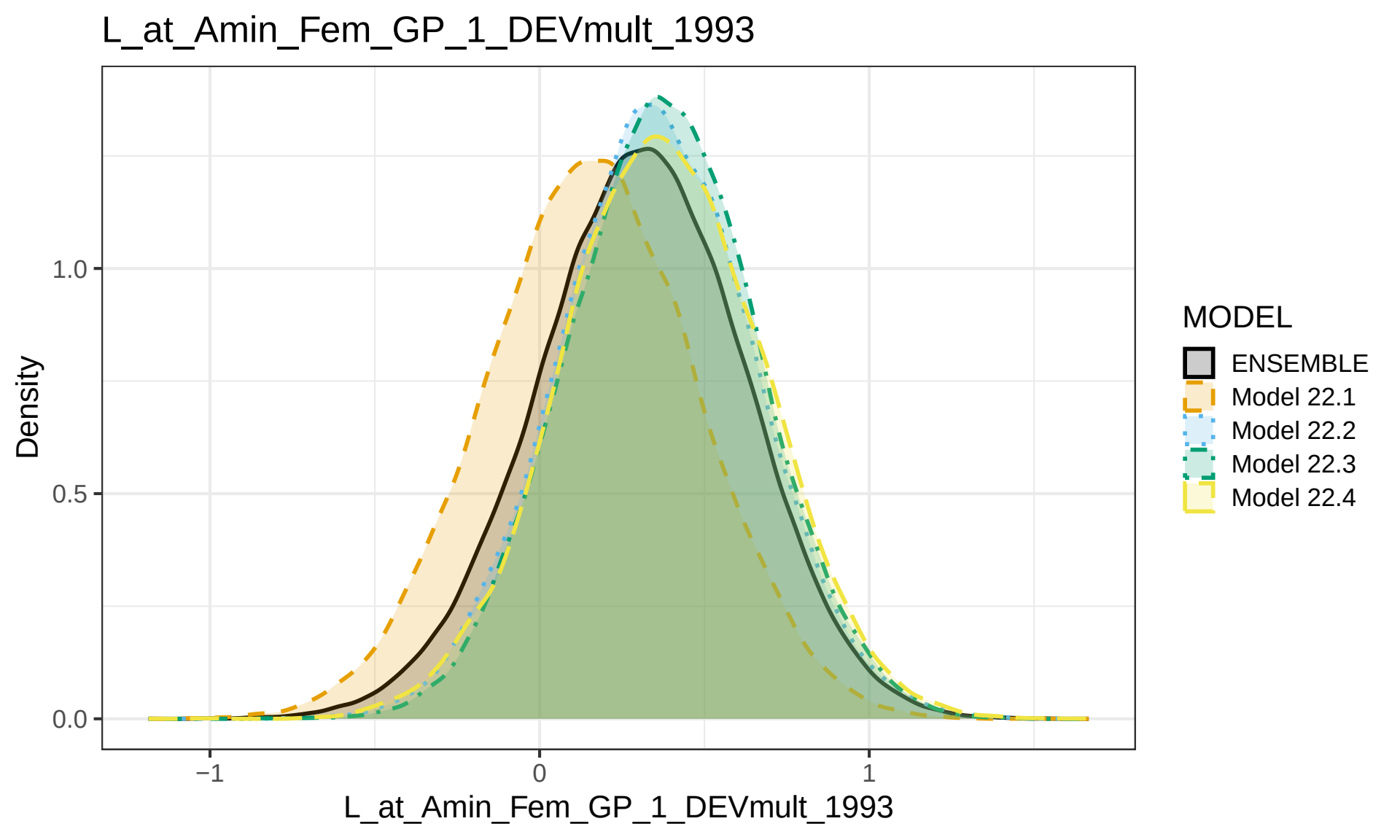

L_at_Amin_Fem_GP_1_DEVmult_1988
Density
0.0
0.3
0.6
0.9
−2
−1
0
L_at_Amin_Fem_GP_1_DEVmult_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

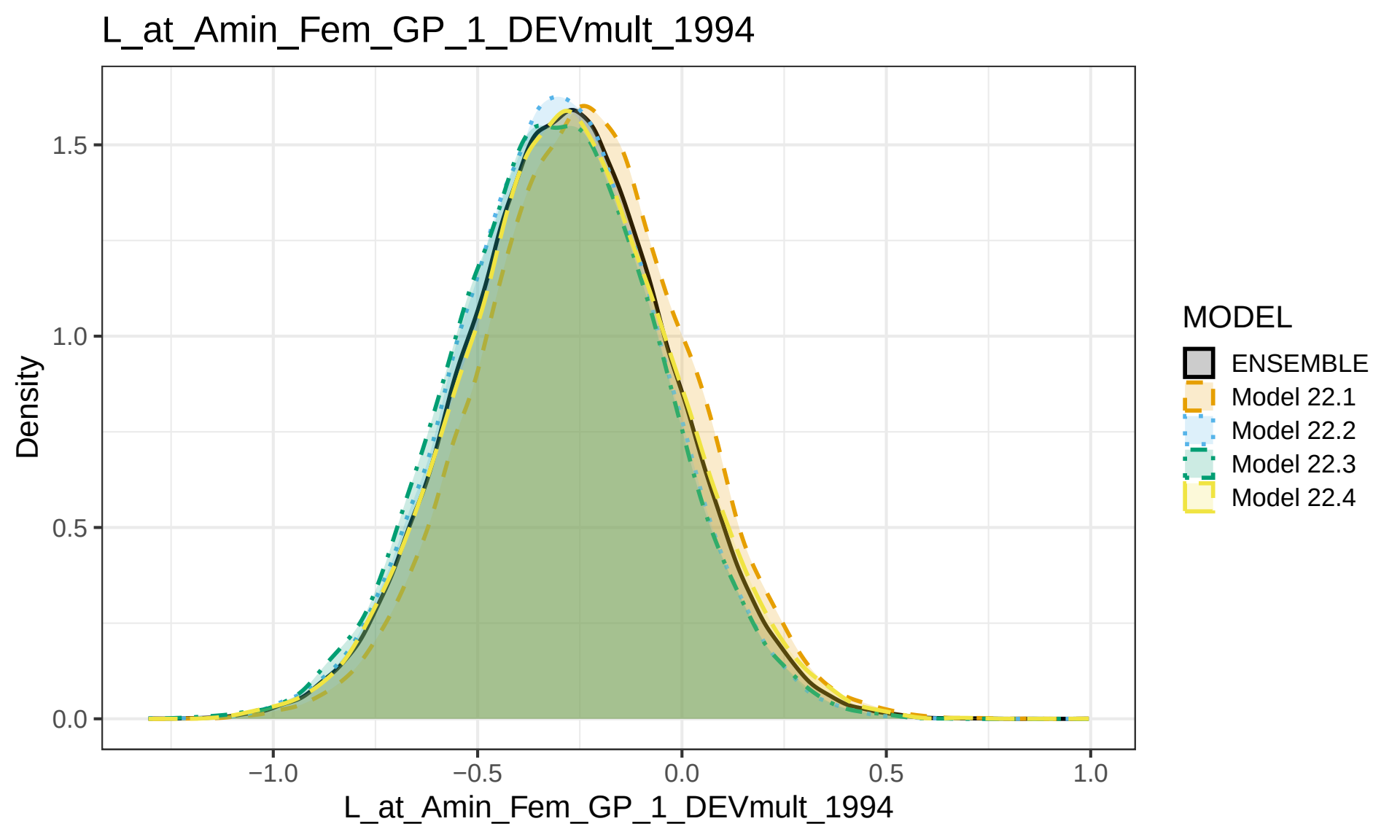

L_at_Amin_Fem_GP_1_DEVmult_1989
Density
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
L_at_Amin_Fem_GP_1_DEVmult_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

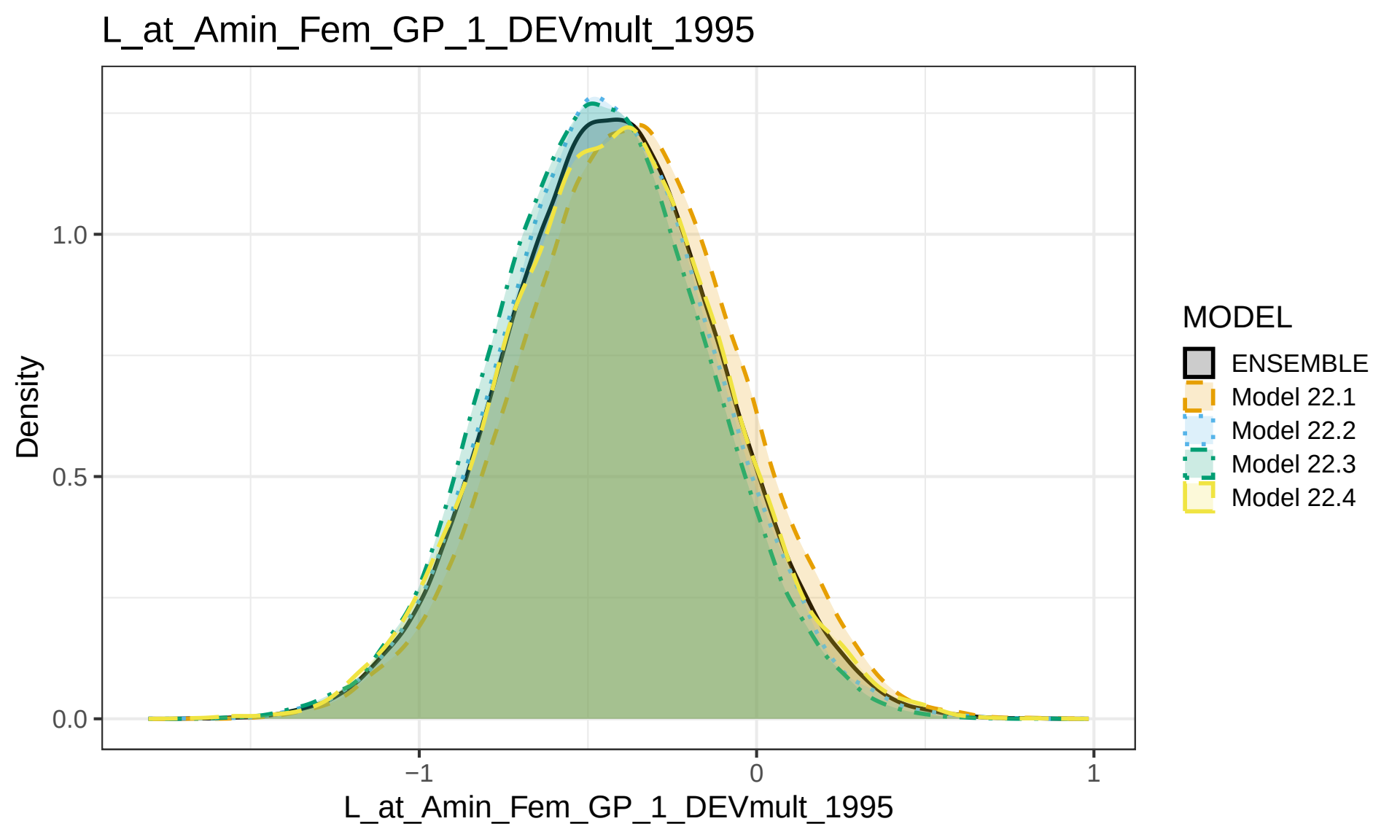

L_at_Amin_Fem_GP_1_DEVmult_1990
Density
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

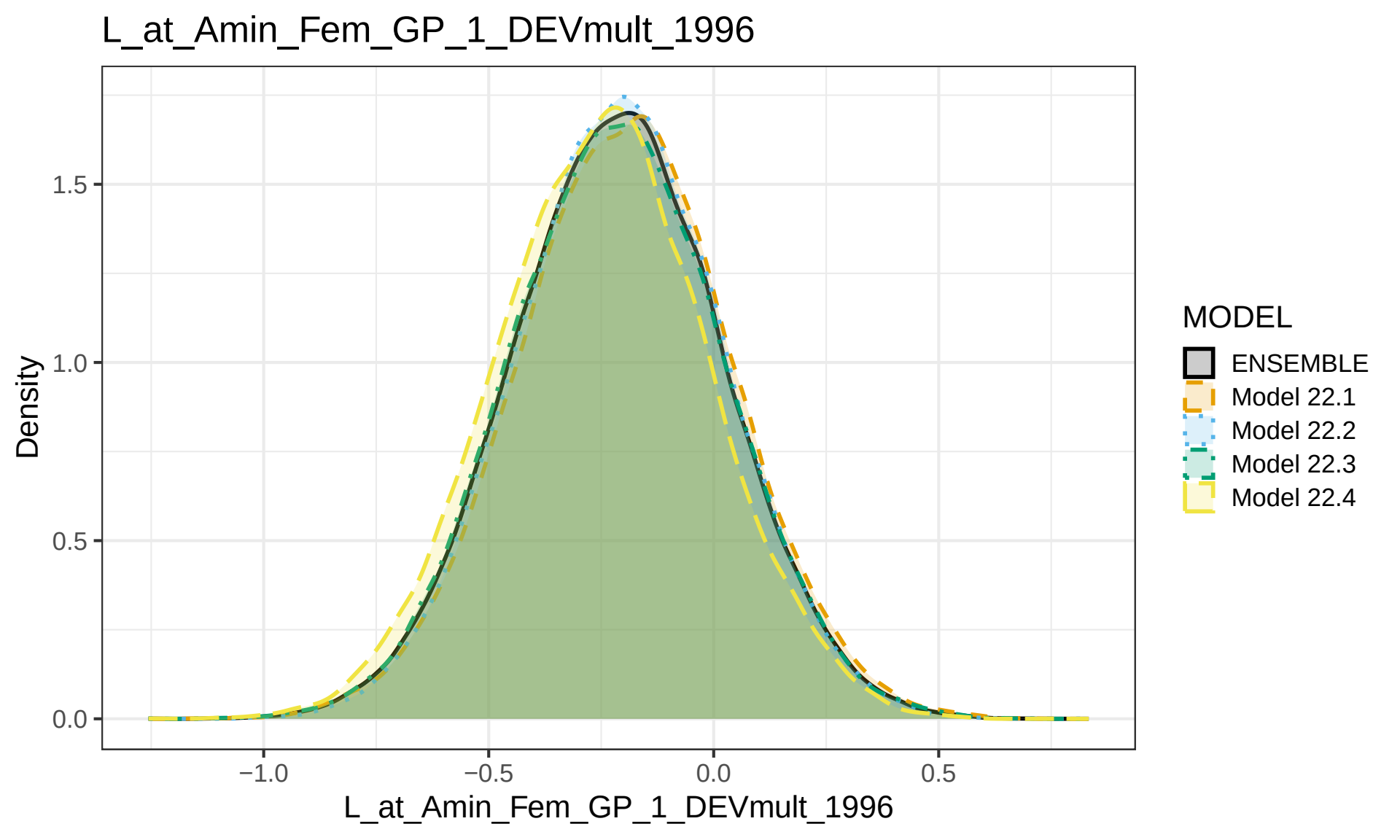

L_at_Amin_Fem_GP_1_DEVmult_1991
Density
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

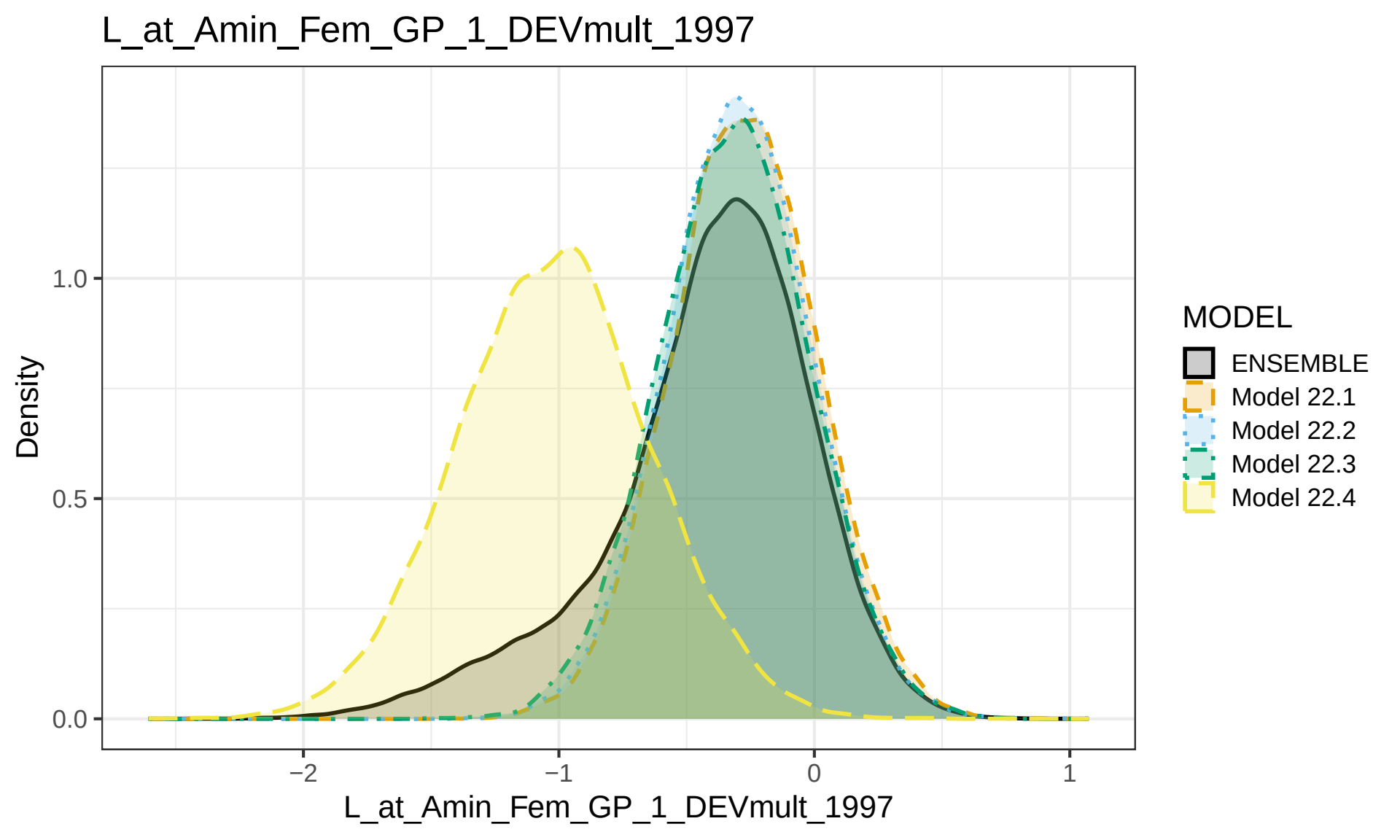

L_at_Amin_Fem_GP_1_DEVmult_1992
Density
2.0
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

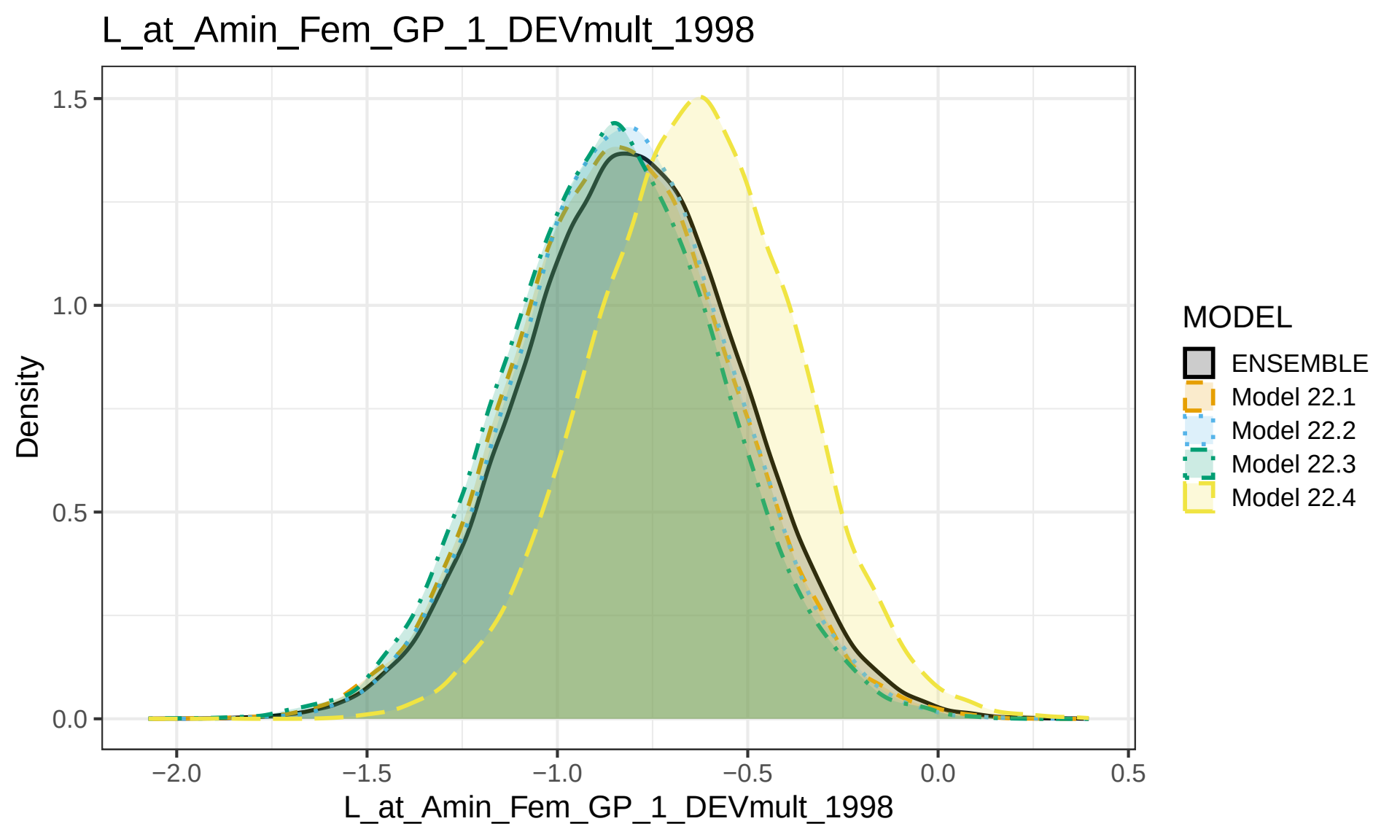

L_at_Amin_Fem_GP_1_DEVmult_1993
Density
1.0
0.5
0.0
−1
0
1
L_at_Amin_Fem_GP_1_DEVmult_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

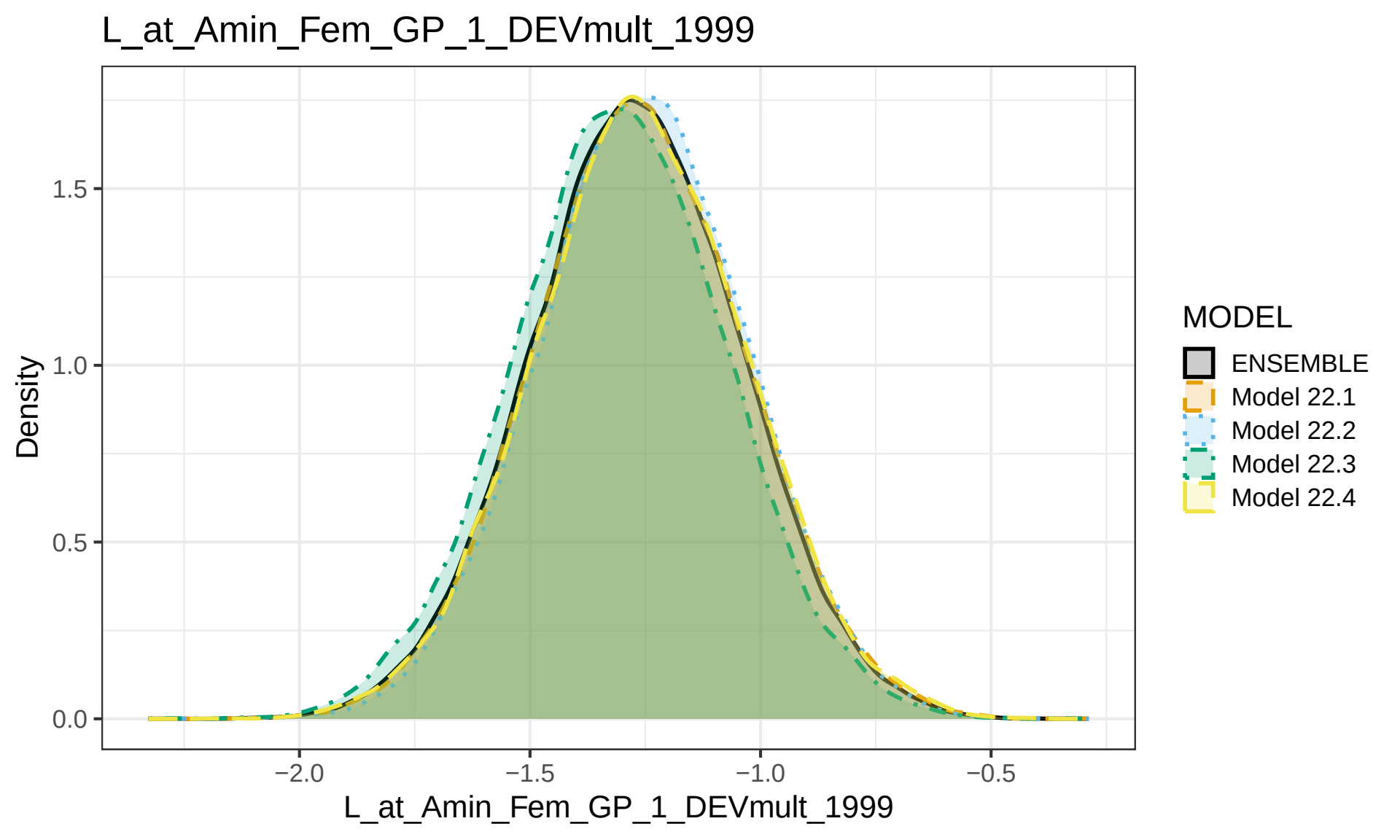

L_at_Amin_Fem_GP_1_DEVmult_1994
Density
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

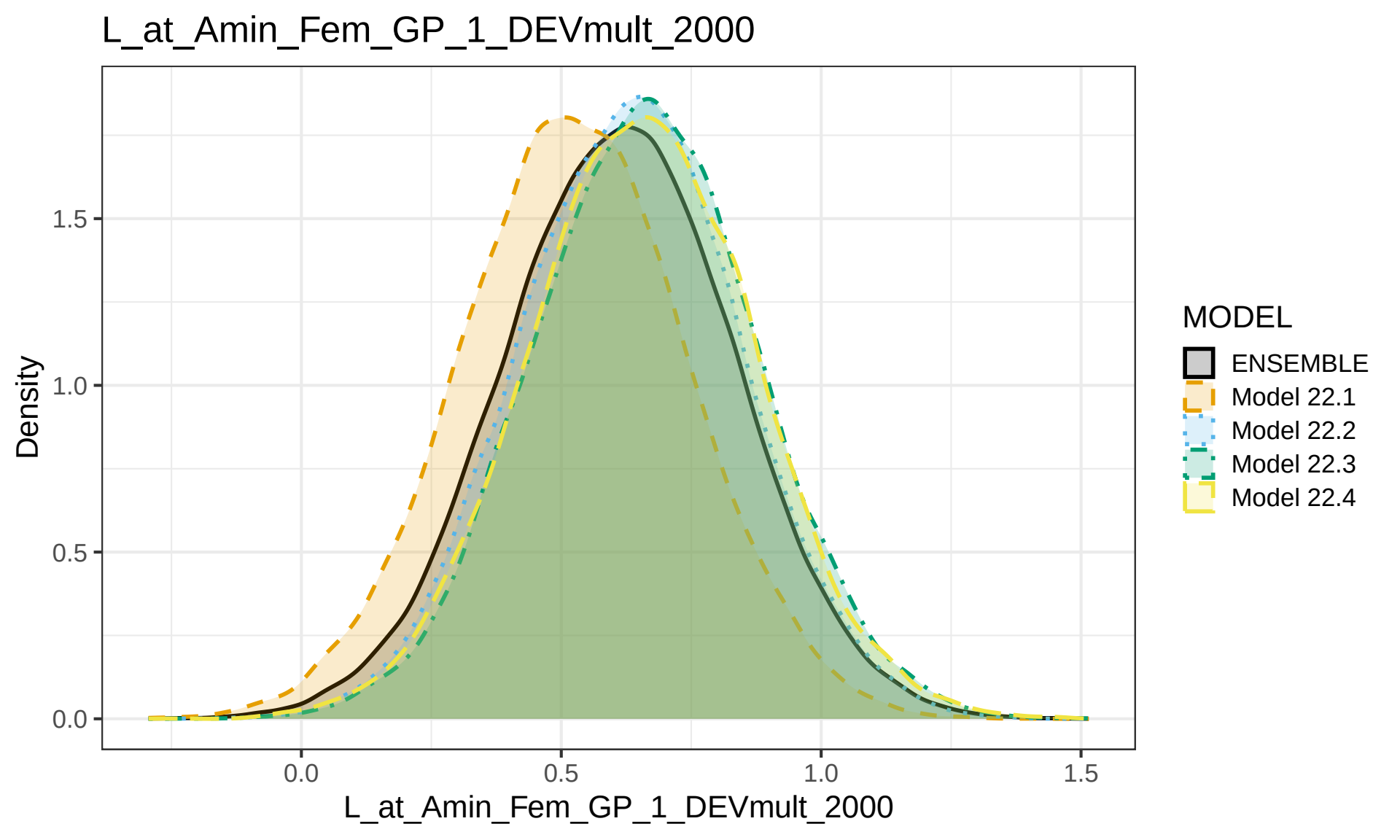

L_at_Amin_Fem_GP_1_DEVmult_1995
Density
1.0
0.5
0.0
−1
0
1
L_at_Amin_Fem_GP_1_DEVmult_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

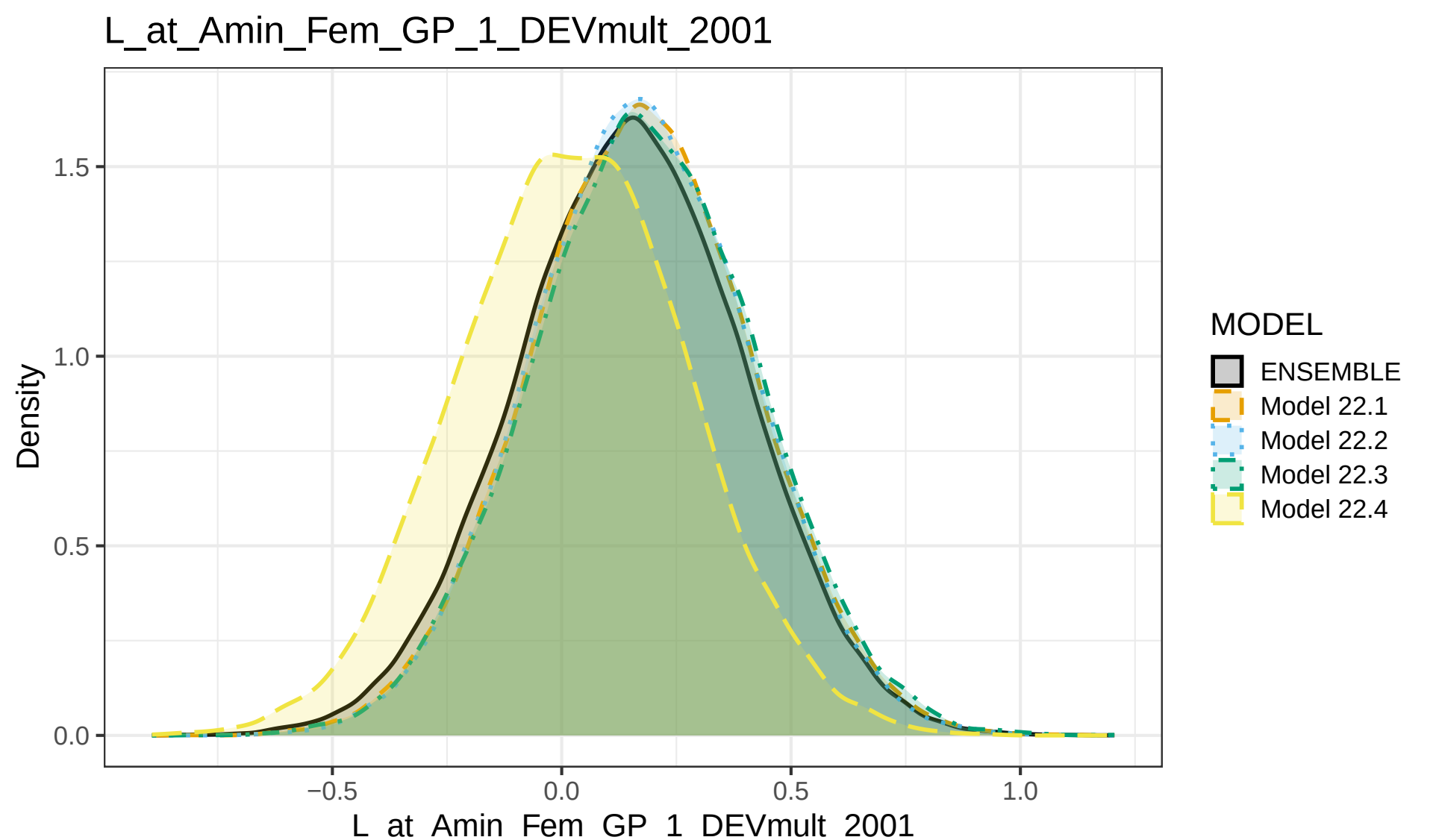

L_at_Amin_Fem_GP_1_DEVmult_1996
Density
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
L_at_Amin_Fem_GP_1_DEVmult_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

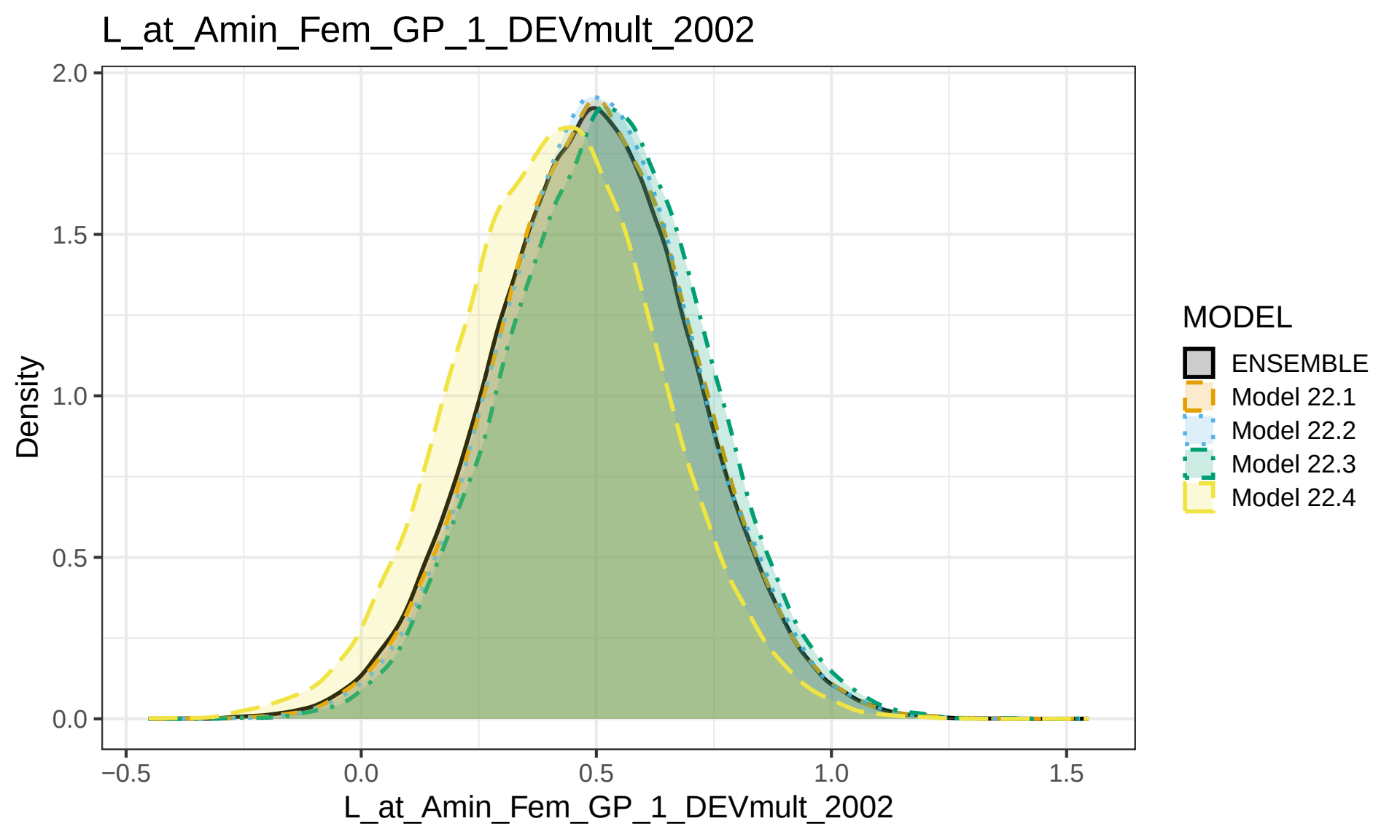

L_at_Amin_Fem_GP_1_DEVmult_1997
Density
1.0
0.5
0.0
−2
−1
0
1
L_at_Amin_Fem_GP_1_DEVmult_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

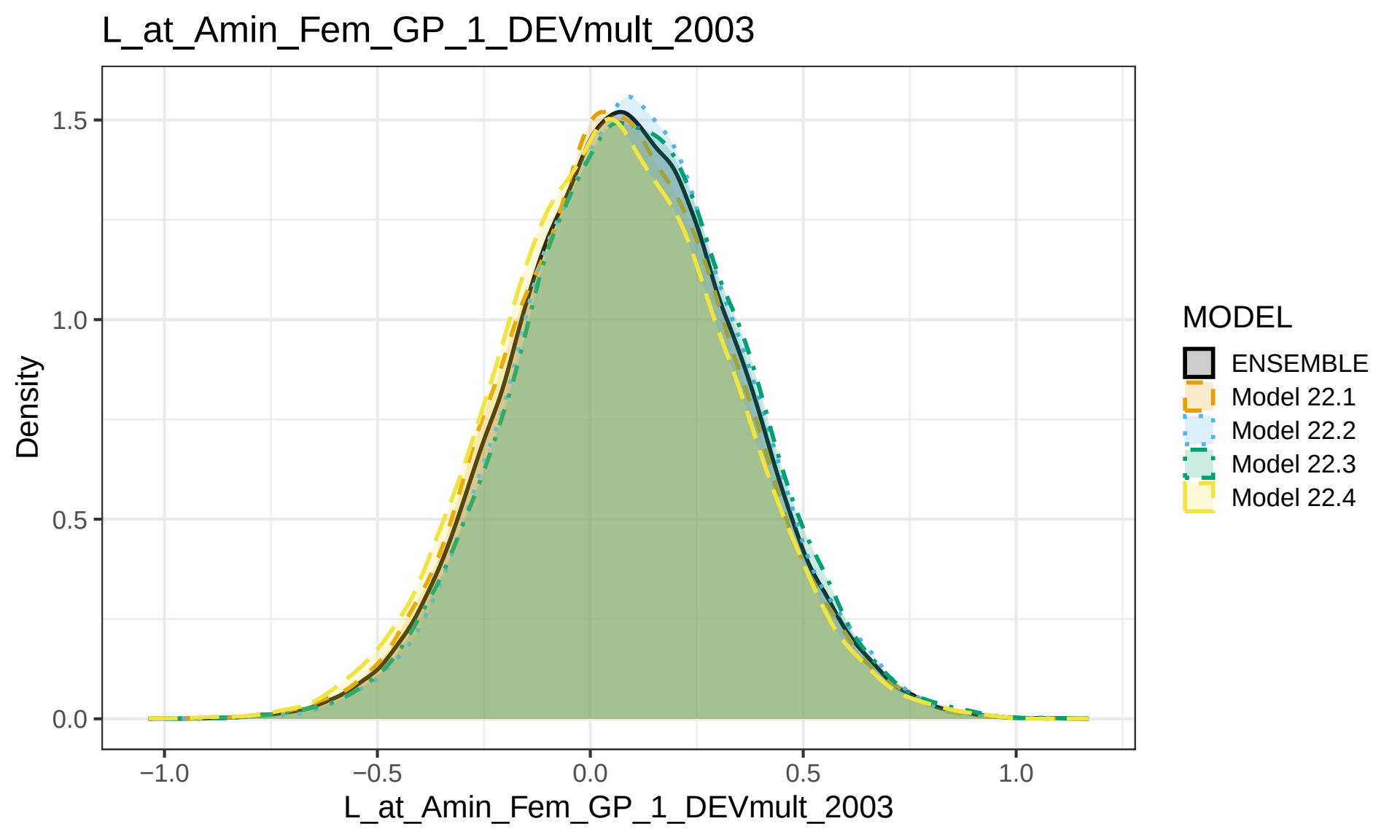

L_at_Amin_Fem_GP_1_DEVmult_1998
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
L_at_Amin_Fem_GP_1_DEVmult_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

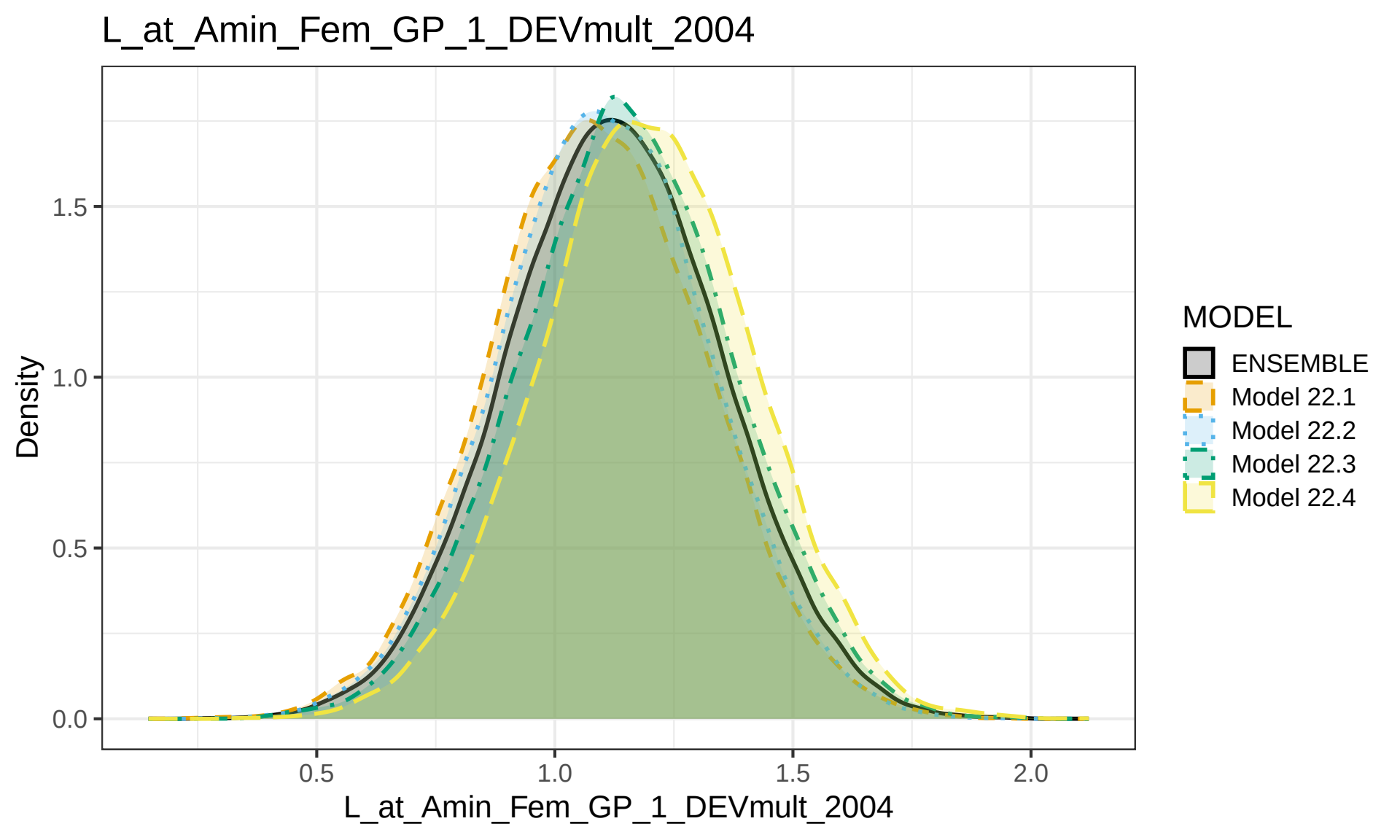

L_at_Amin_Fem_GP_1_DEVmult_1999
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
L_at_Amin_Fem_GP_1_DEVmult_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

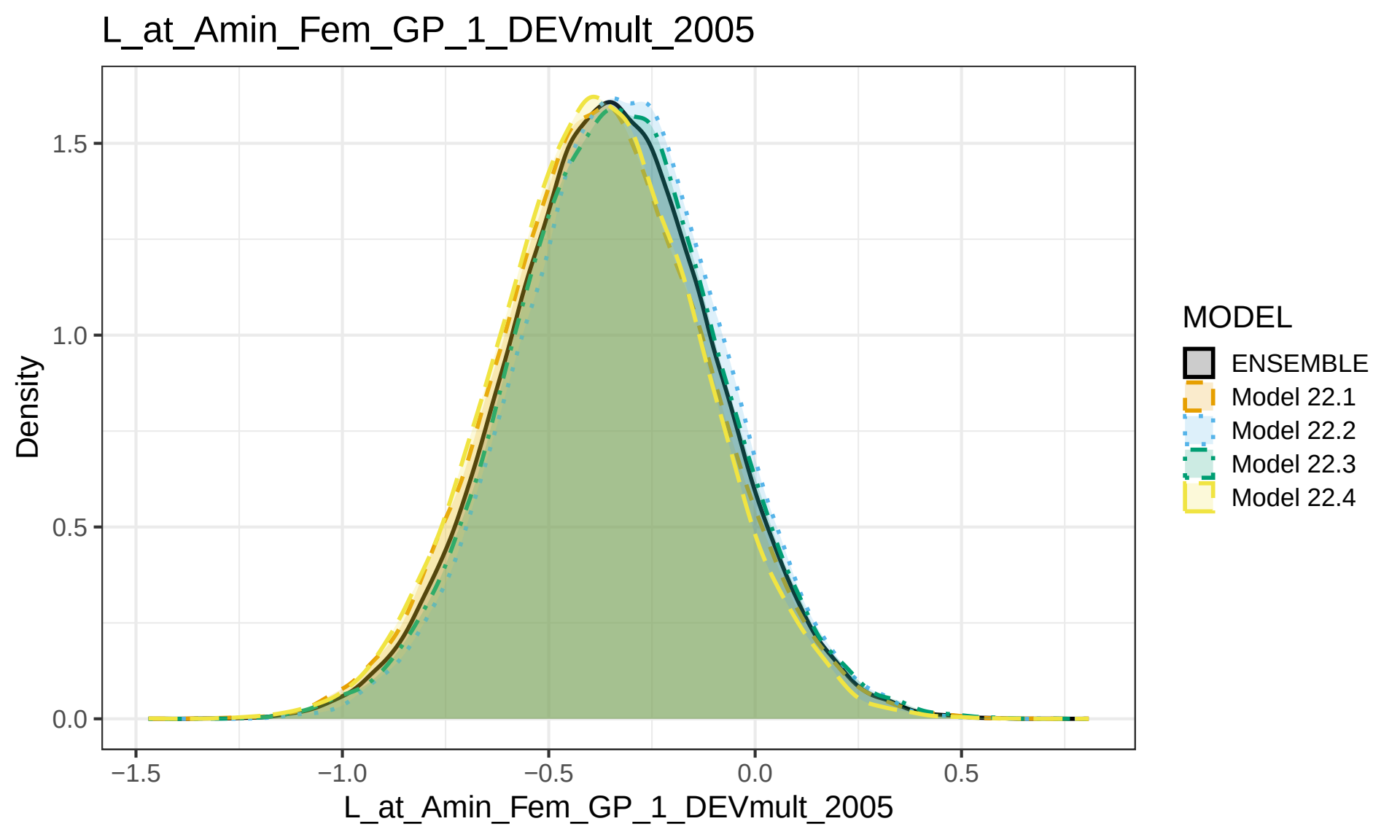

L_at_Amin_Fem_GP_1_DEVmult_2000
Density
0.0
0.5
1.0
1.5
0.0
0.5
1.0
1.5
L_at_Amin_Fem_GP_1_DEVmult_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

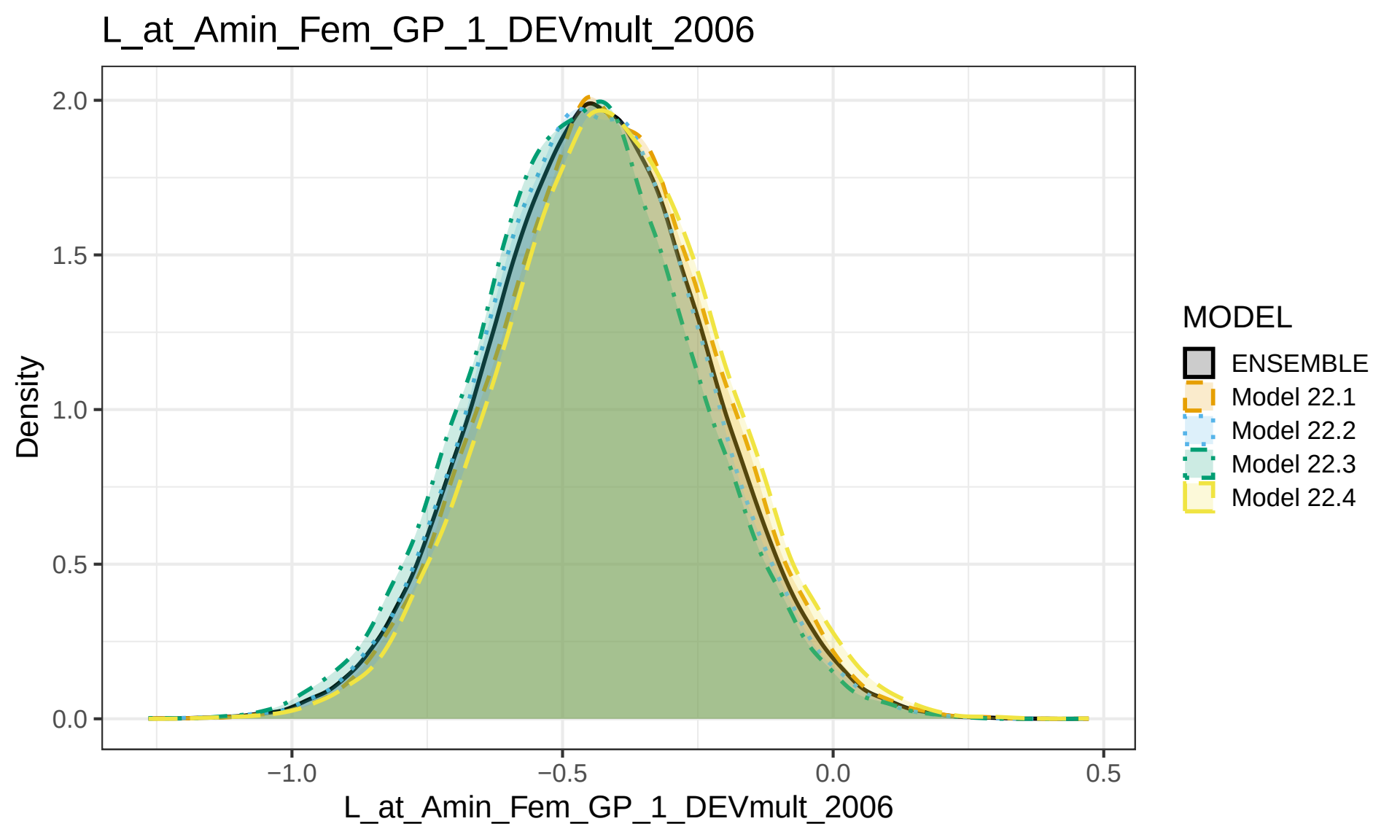

L_at_Amin_Fem_GP_1_DEVmult_2001
Density
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

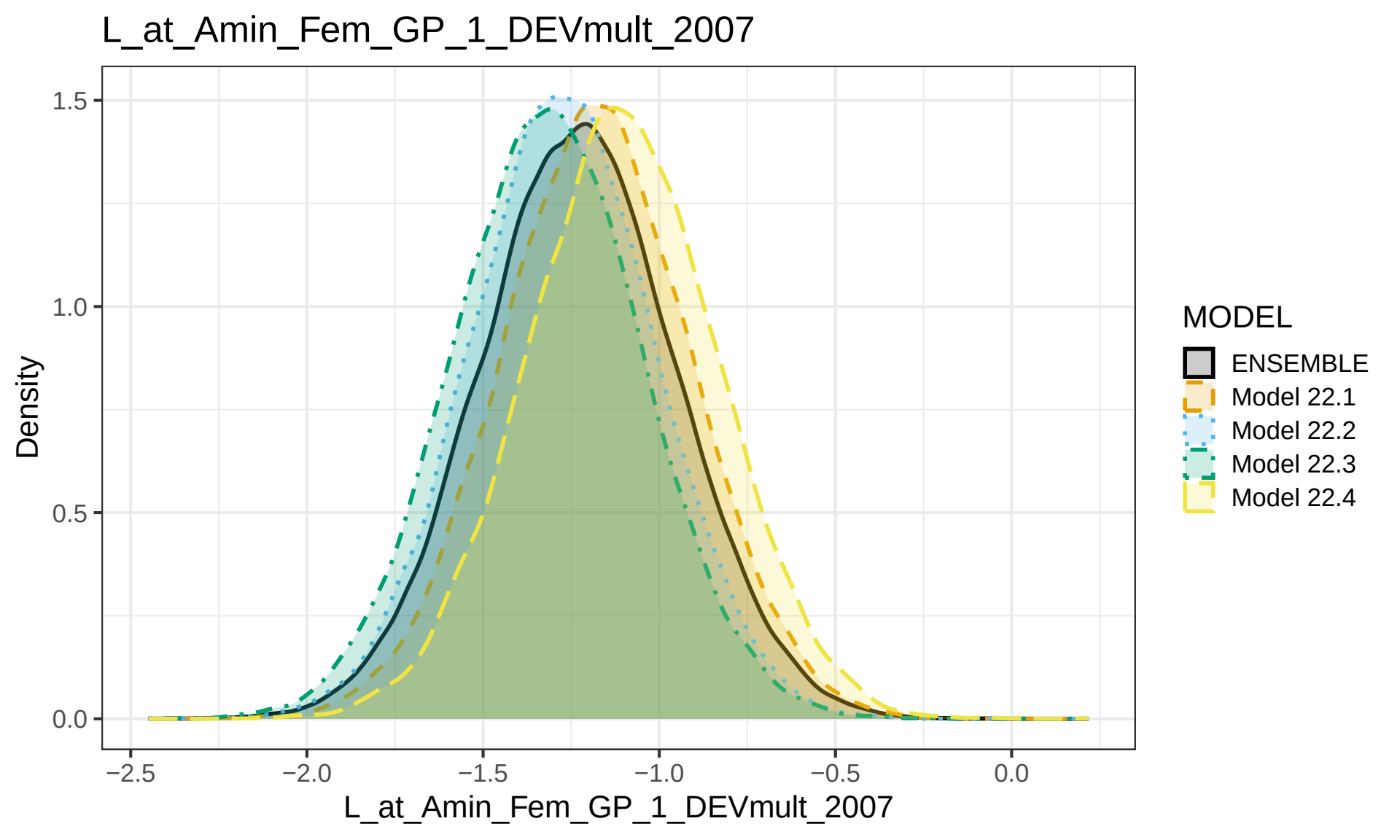

L_at_Amin_Fem_GP_1_DEVmult_2002
Density
2.0
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
1.5
L_at_Amin_Fem_GP_1_DEVmult_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

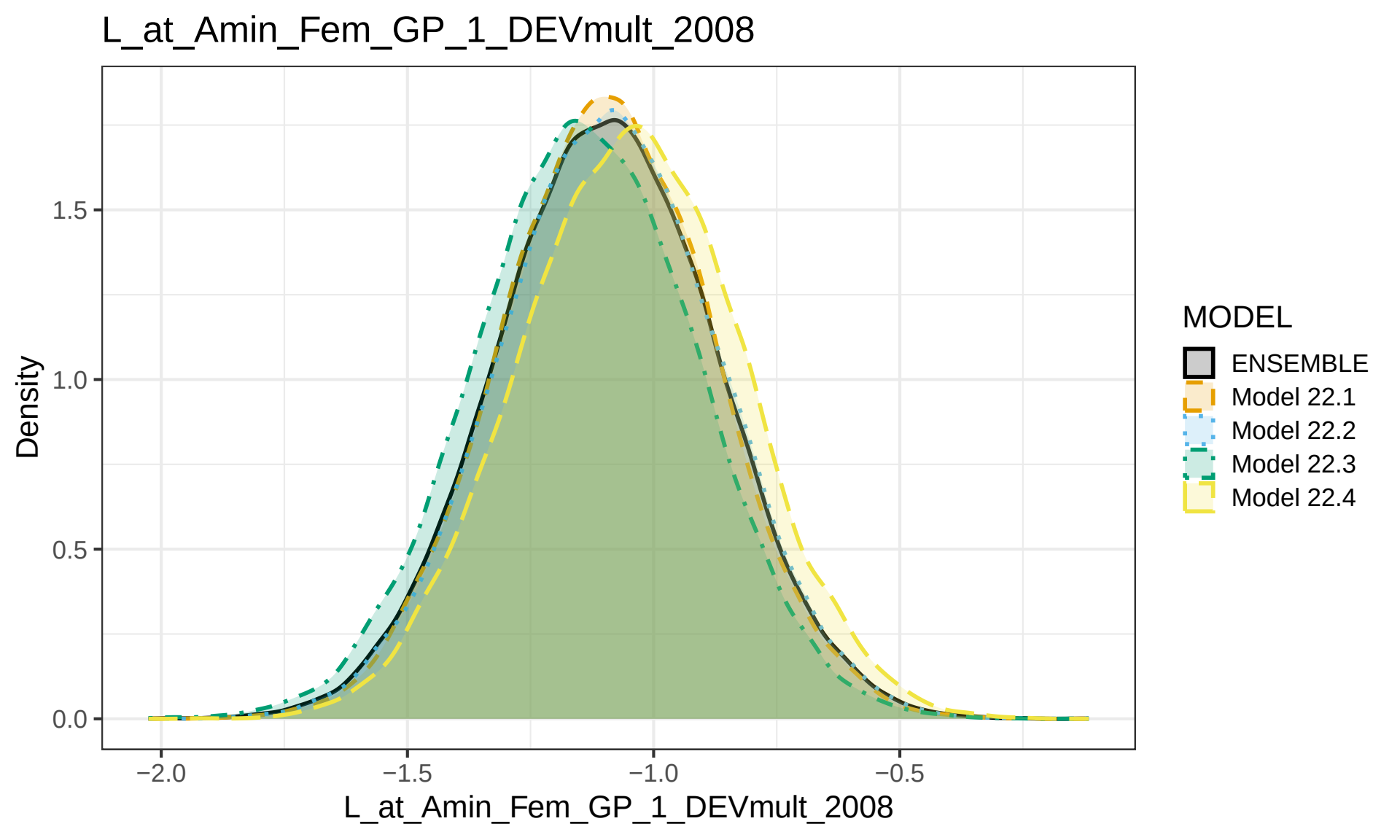

L_at_Amin_Fem_GP_1_DEVmult_2003
Density
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

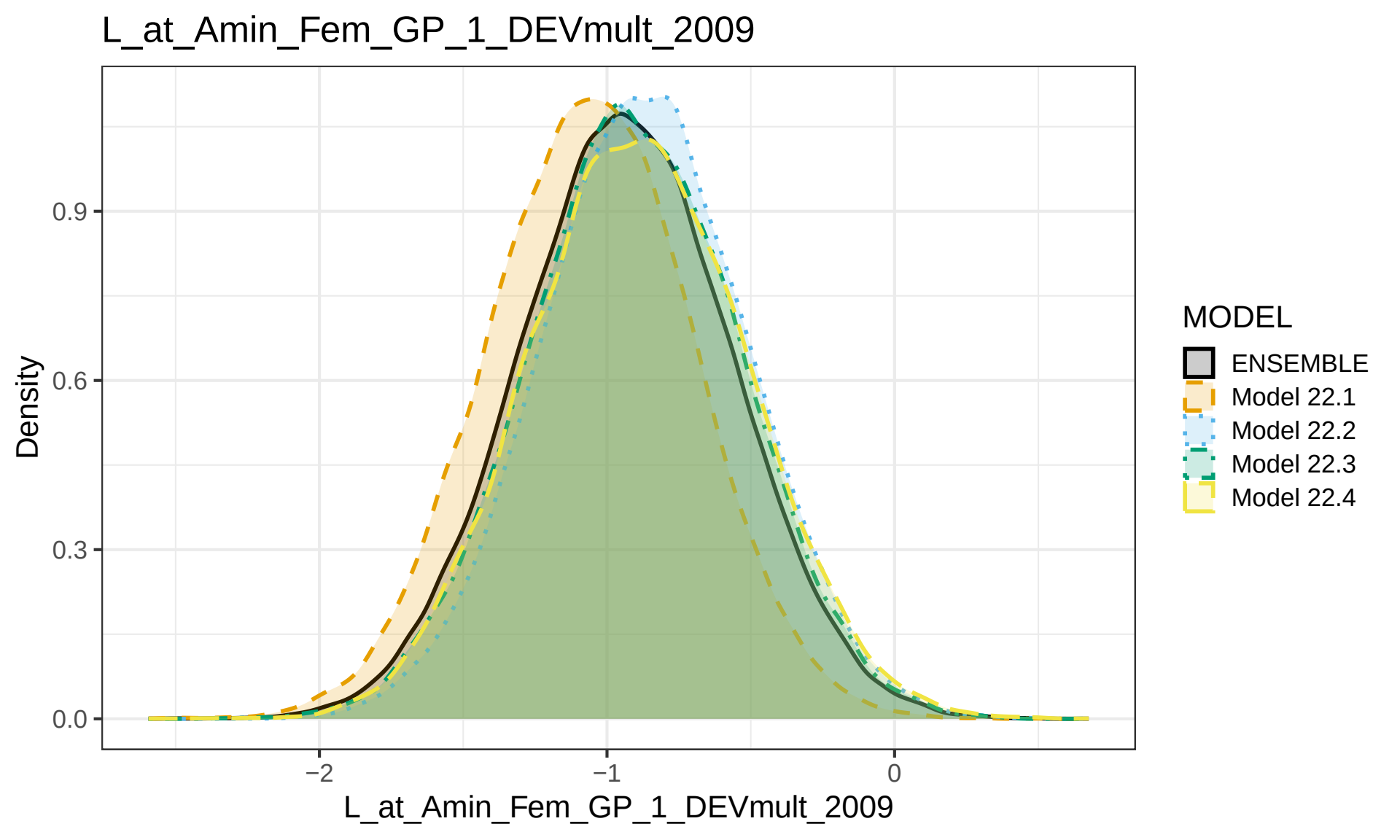

L_at_Amin_Fem_GP_1_DEVmult_2004
Density
0.0
0.5
1.0
1.5
0.5
1.0
1.5
2.0
L_at_Amin_Fem_GP_1_DEVmult_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

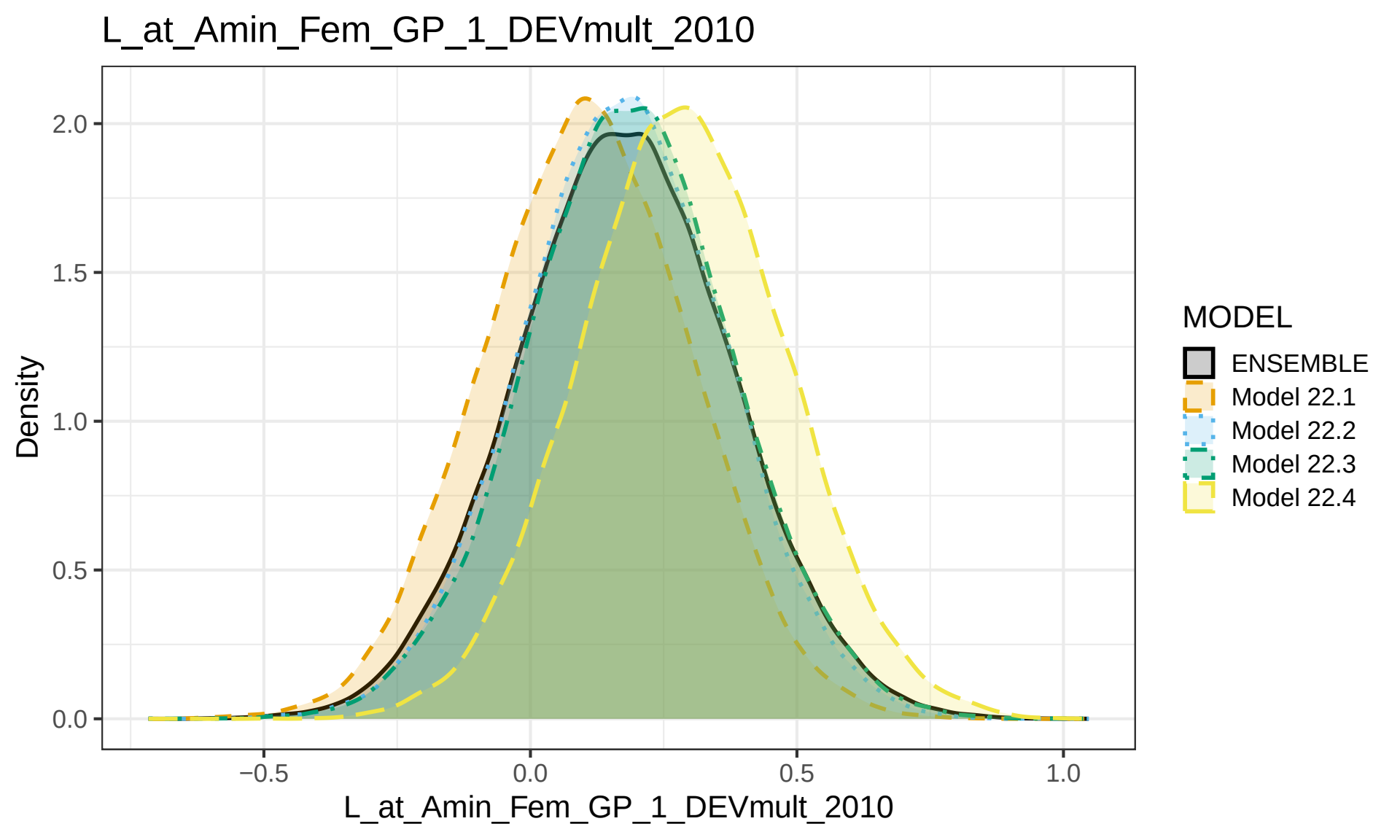

L_at_Amin_Fem_GP_1_DEVmult_2005
Density
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
0.5
L_at_Amin_Fem_GP_1_DEVmult_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

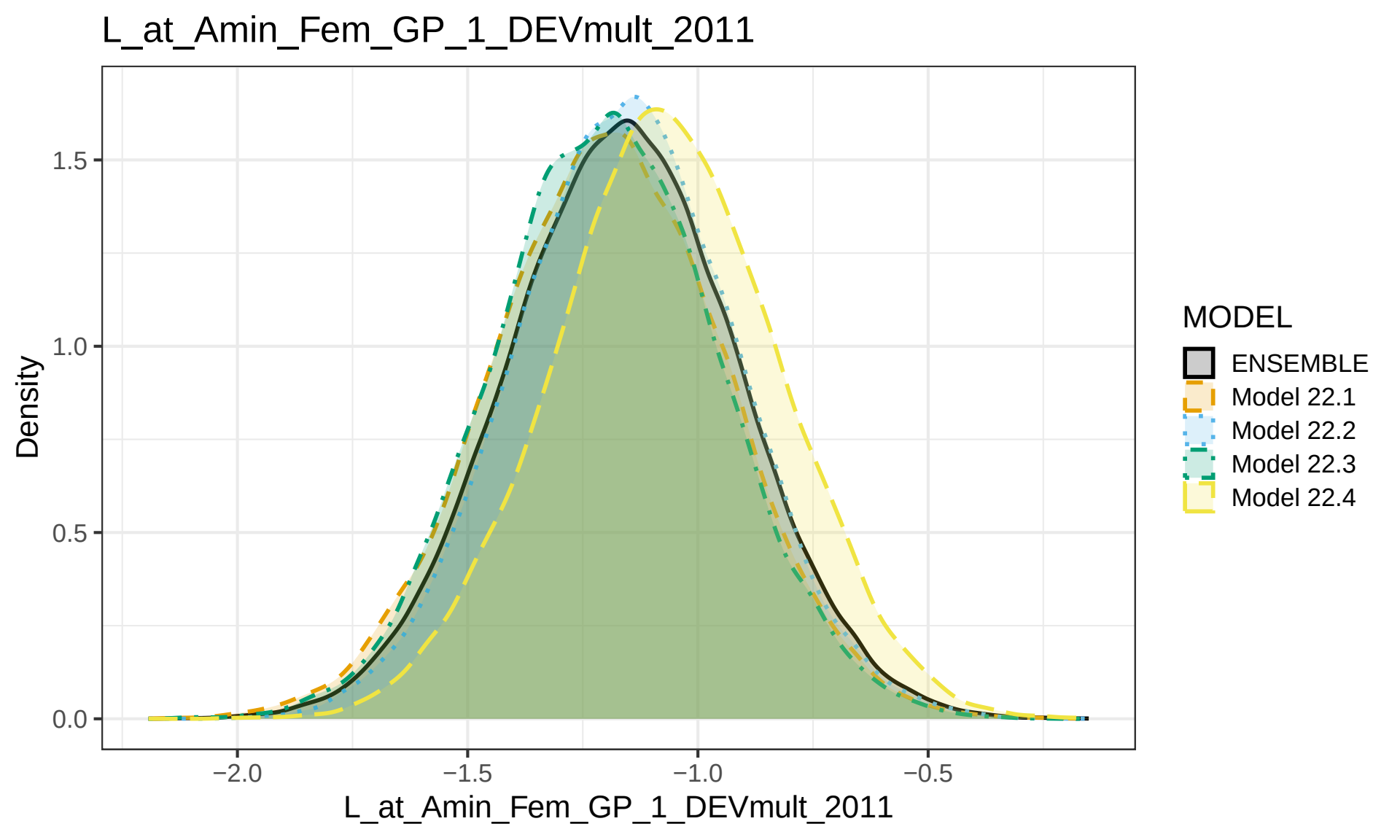

L_at_Amin_Fem_GP_1_DEVmult_2006
Density
2.0
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
L_at_Amin_Fem_GP_1_DEVmult_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

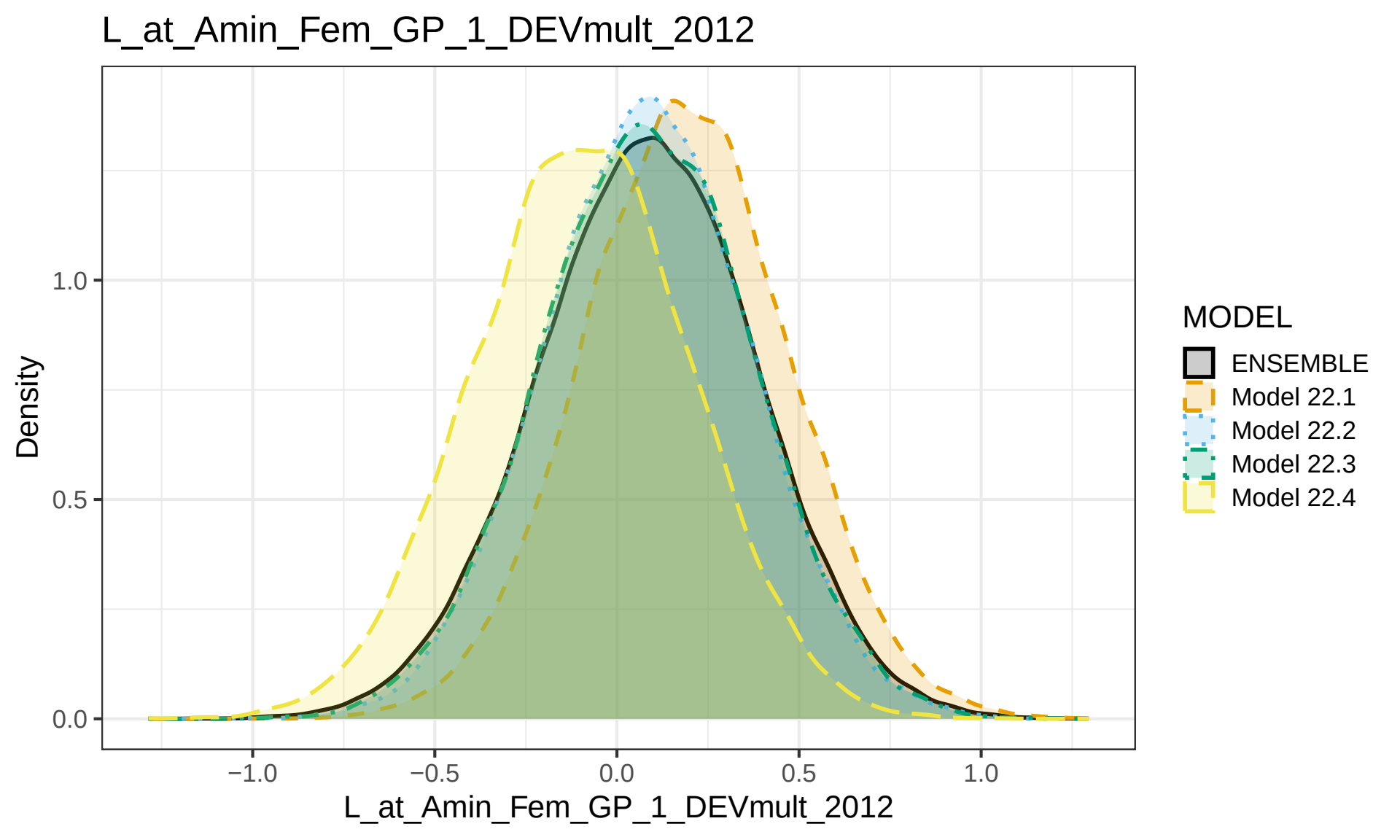

L_at_Amin_Fem_GP_1_DEVmult_2007
Density
1.5
1.0
0.5
0.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
L_at_Amin_Fem_GP_1_DEVmult_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

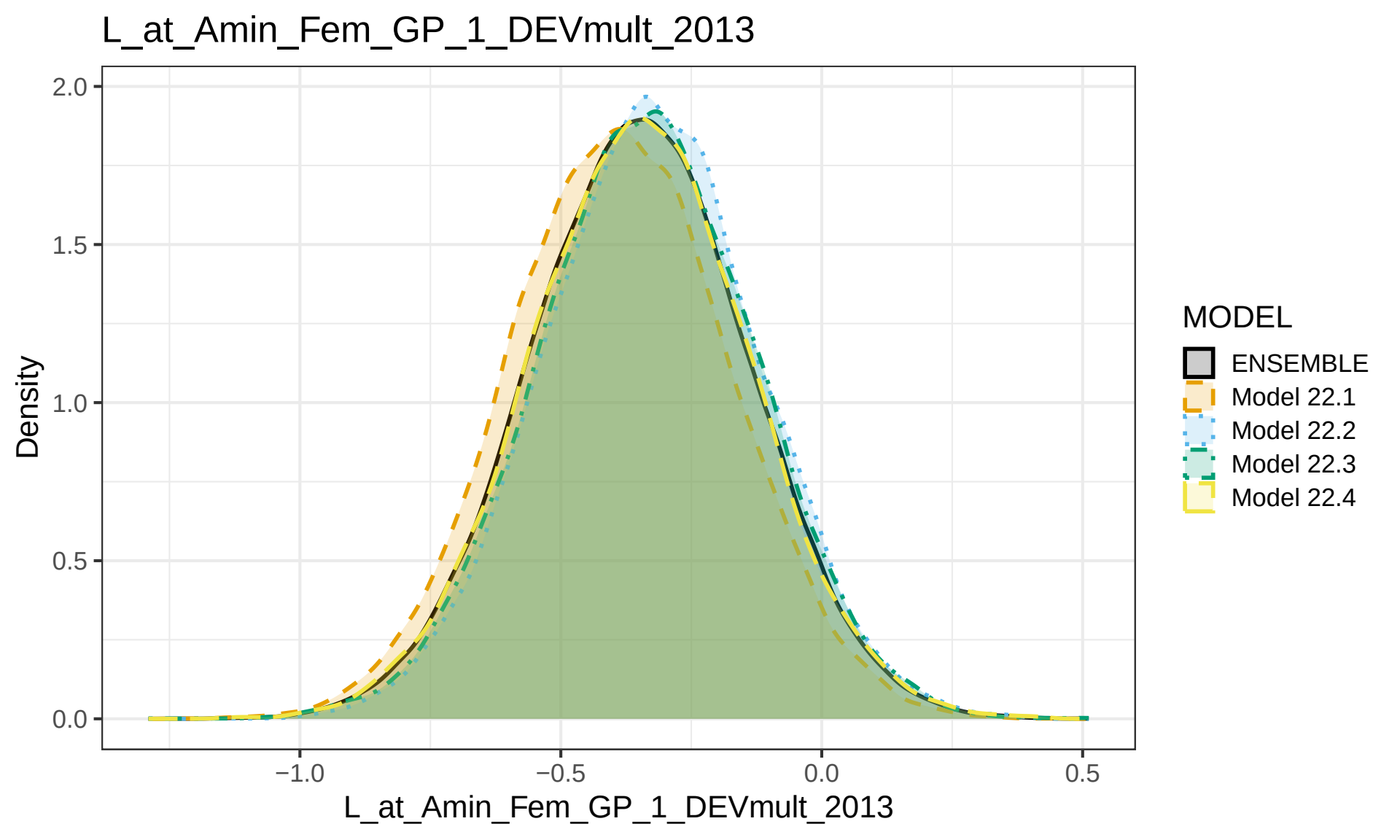

L_at_Amin_Fem_GP_1_DEVmult_2008
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
L_at_Amin_Fem_GP_1_DEVmult_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

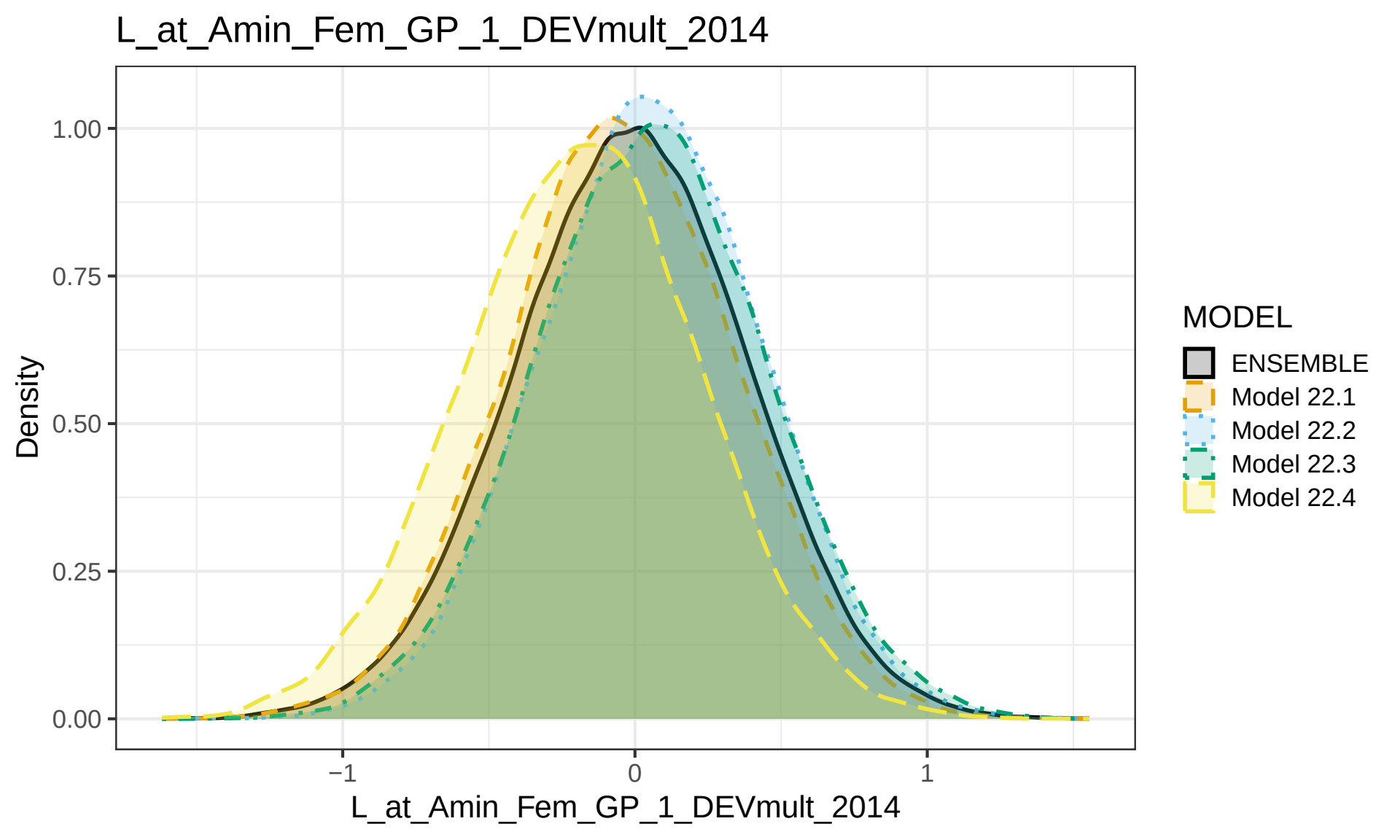

L_at_Amin_Fem_GP_1_DEVmult_2009
Density
0.0
0.3
0.6
0.9
−2
−1
0
L_at_Amin_Fem_GP_1_DEVmult_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

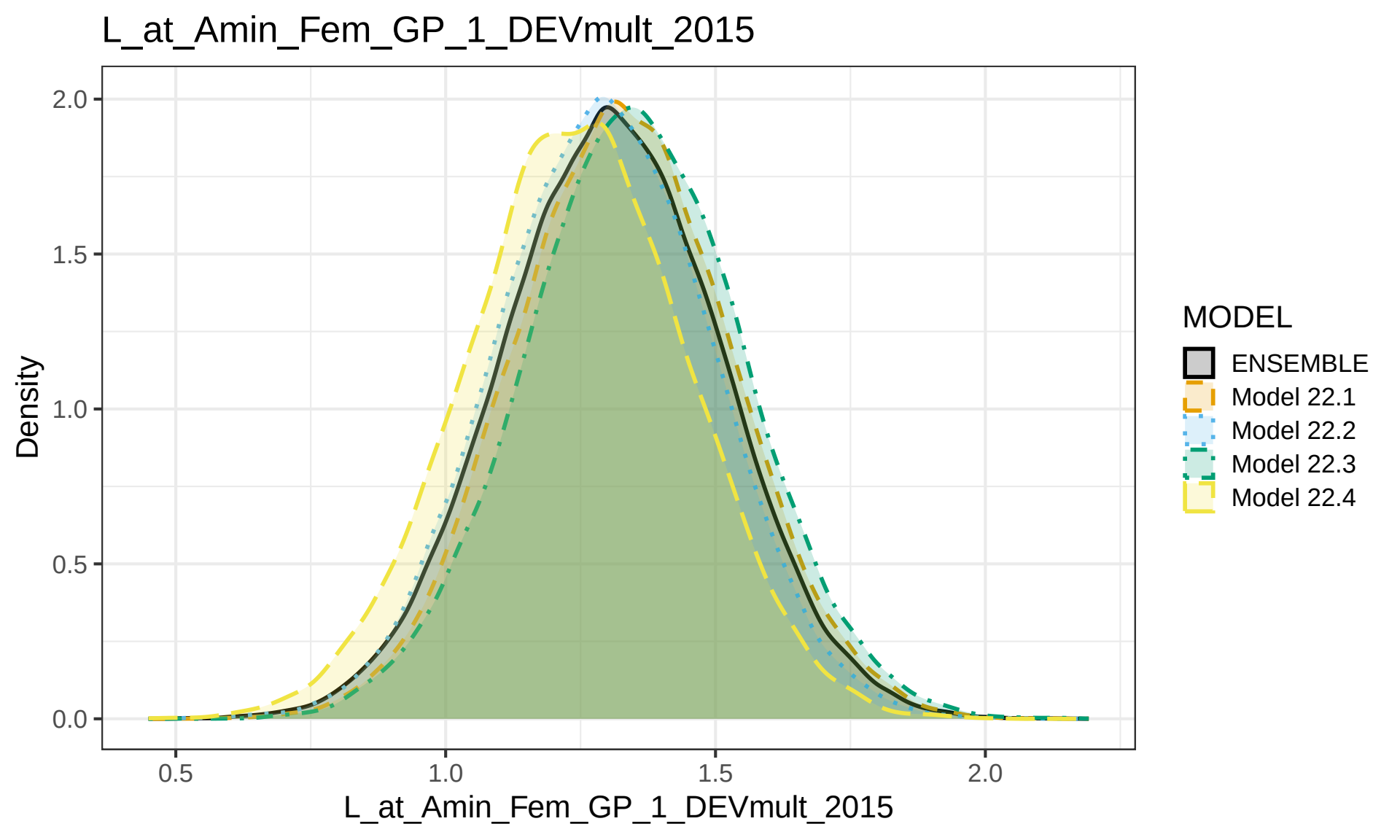

L_at_Amin_Fem_GP_1_DEVmult_2010
Density
2.0
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

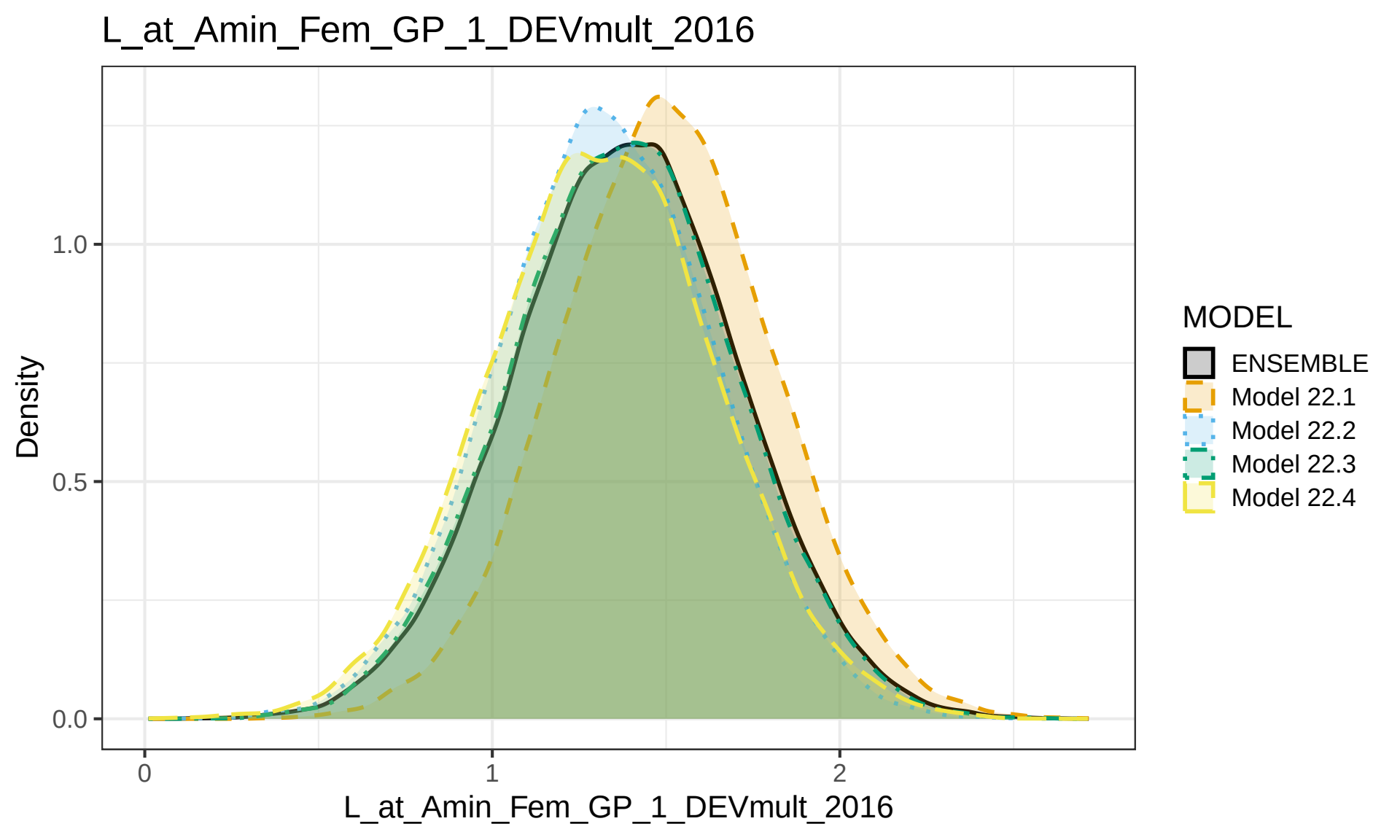

L_at_Amin_Fem_GP_1_DEVmult_2011
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
L_at_Amin_Fem_GP_1_DEVmult_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

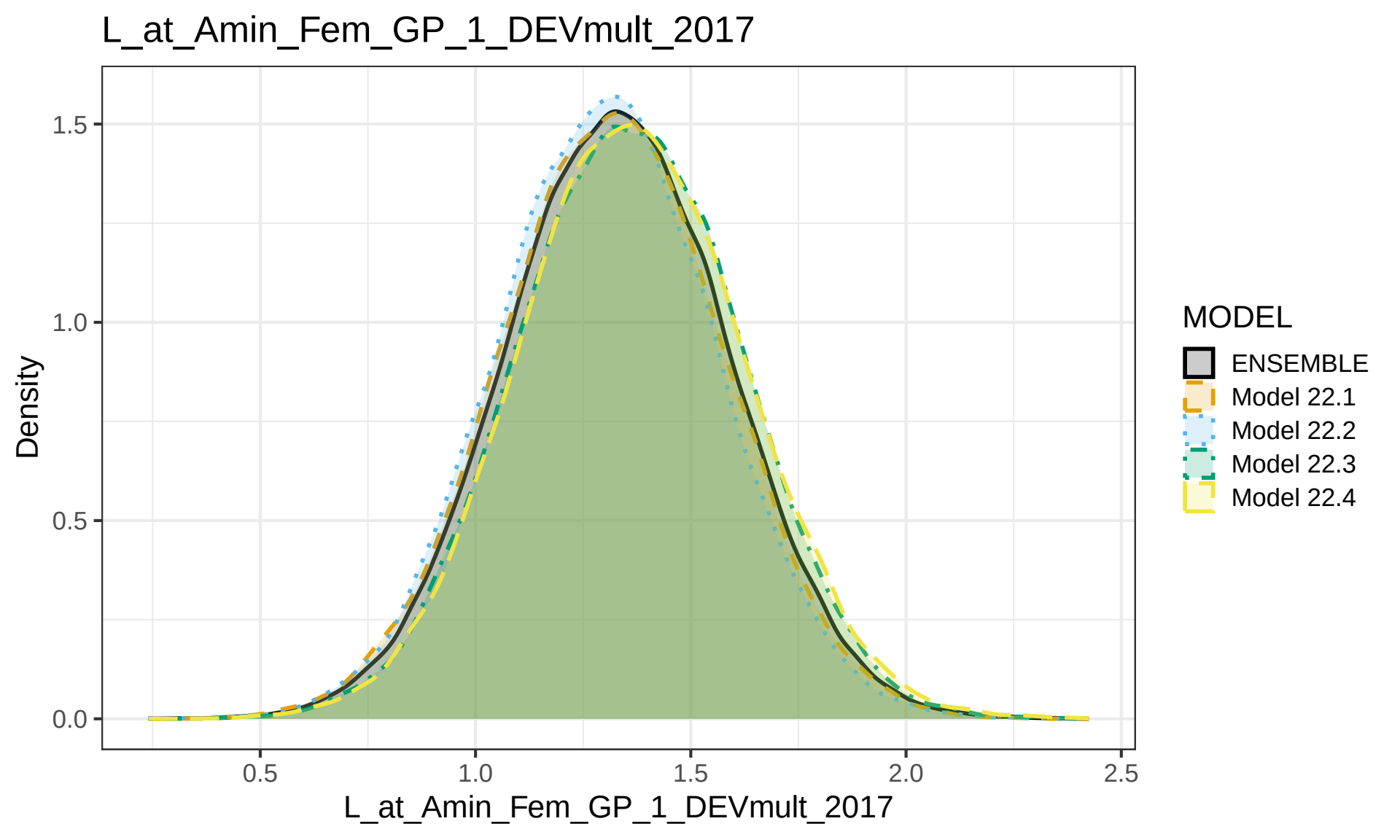

L_at_Amin_Fem_GP_1_DEVmult_2012
Density
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
L_at_Amin_Fem_GP_1_DEVmult_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

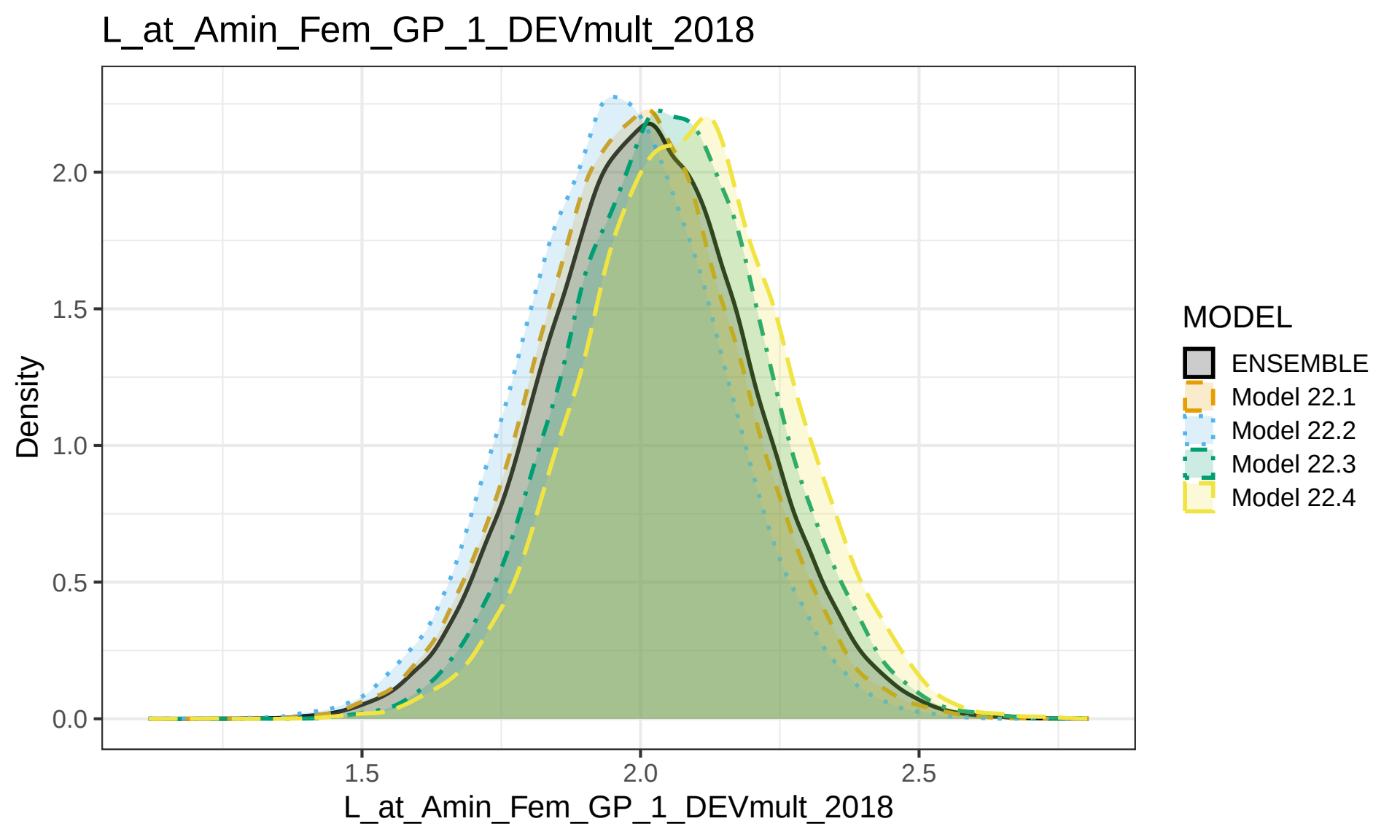

L_at_Amin_Fem_GP_1_DEVmult_2013
Density
2.0
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
L_at_Amin_Fem_GP_1_DEVmult_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

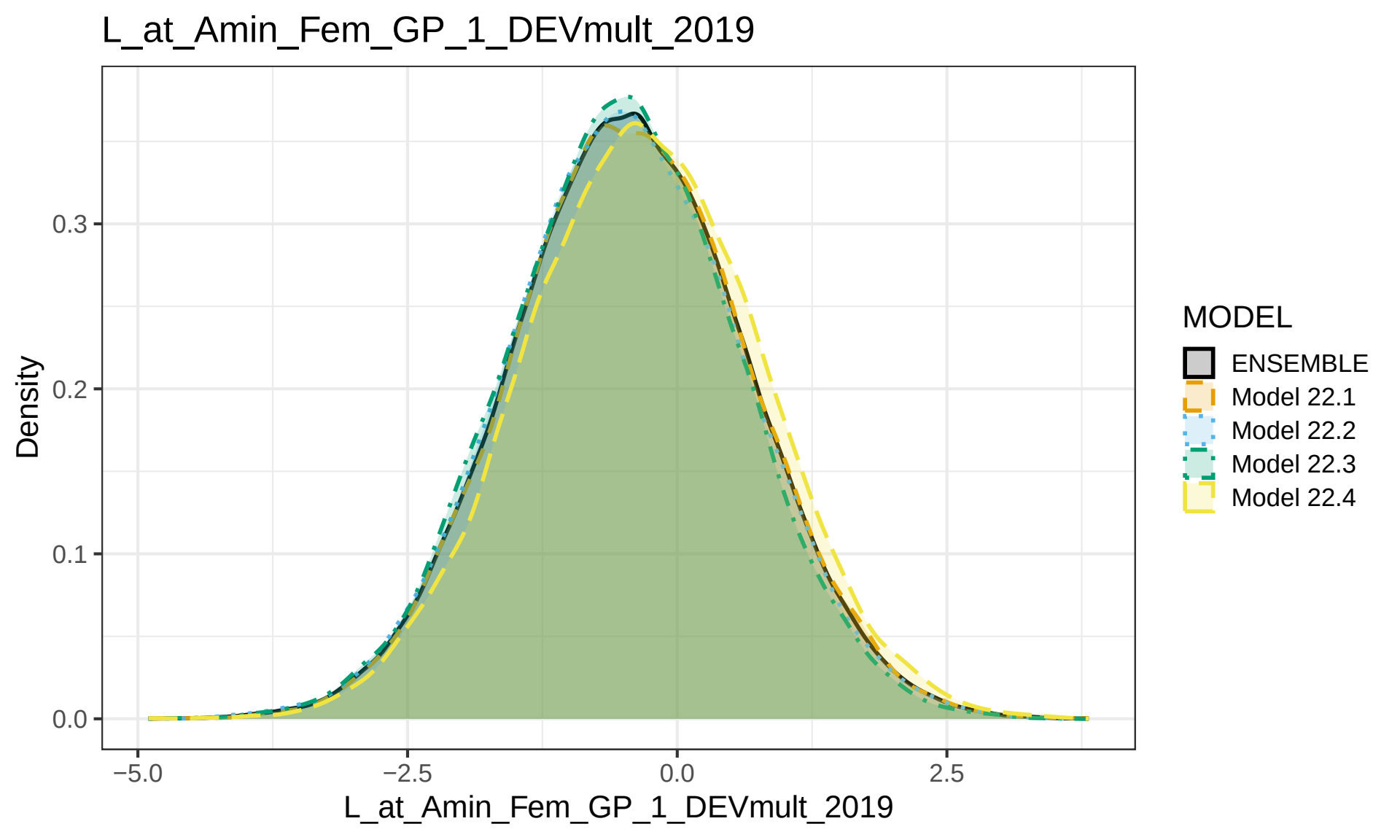

L_at_Amin_Fem_GP_1_DEVmult_2014
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
L_at_Amin_Fem_GP_1_DEVmult_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

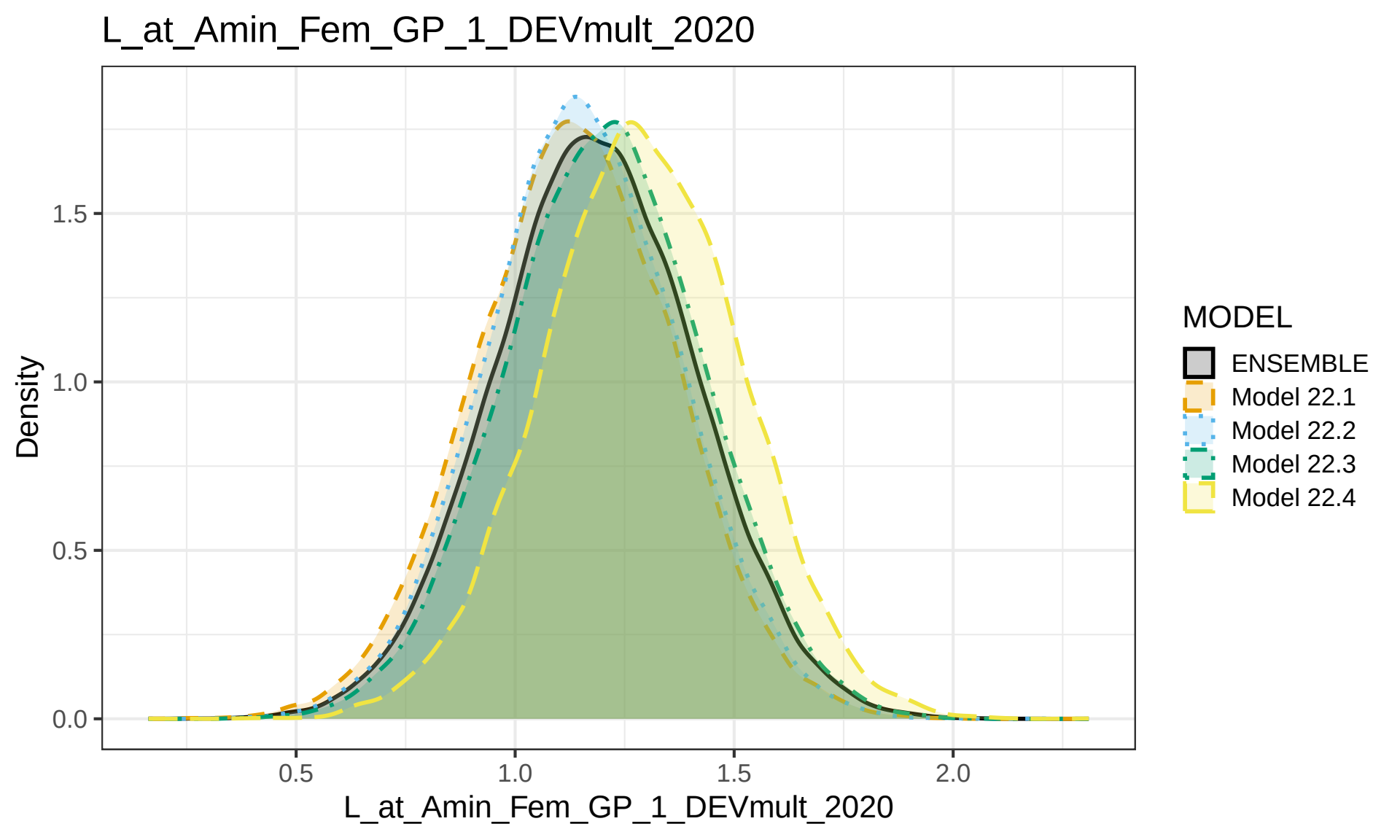

L_at_Amin_Fem_GP_1_DEVmult_2015
Density
2.0
1.5
1.0
0.5
0.0
0.5
1.0
1.5
2.0
L_at_Amin_Fem_GP_1_DEVmult_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

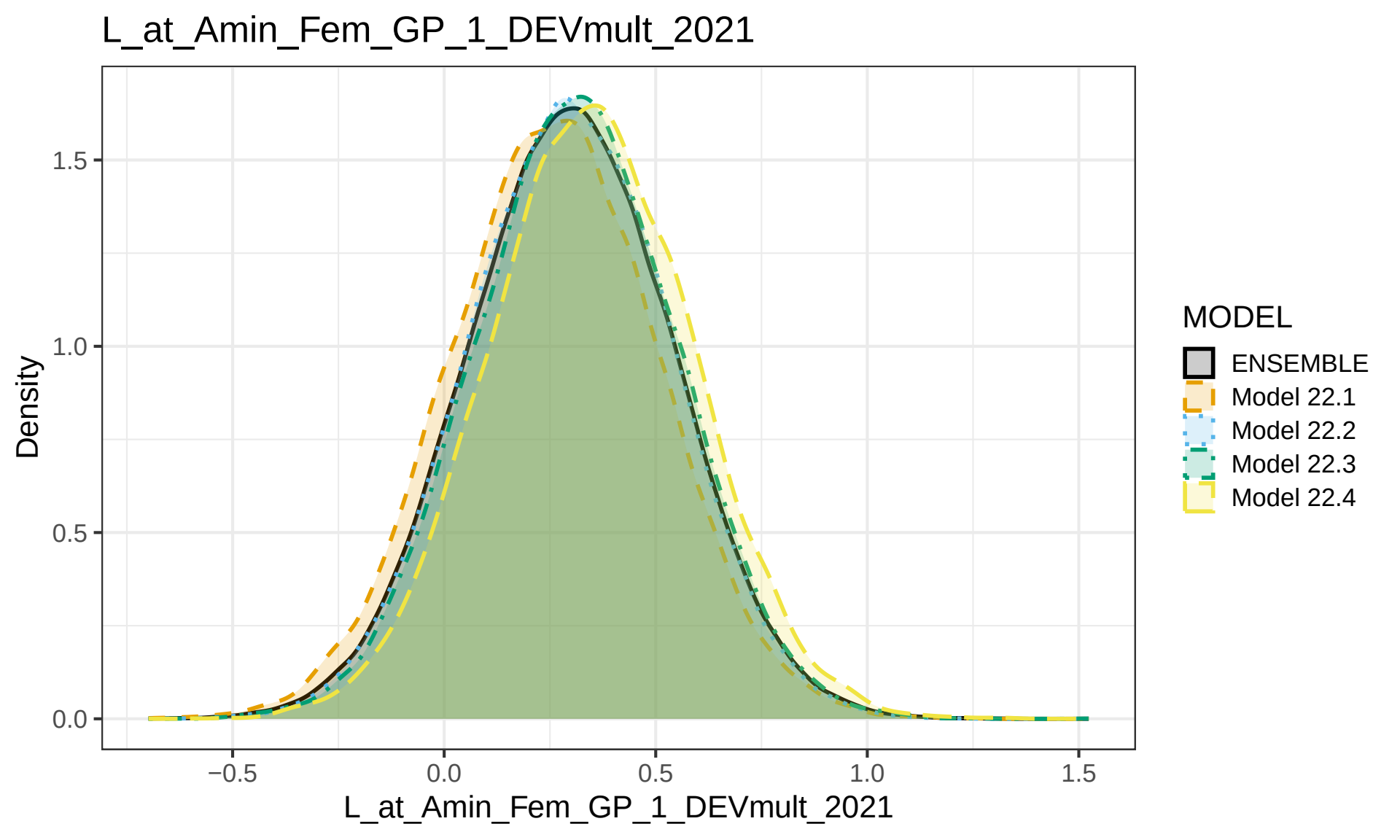

L_at_Amin_Fem_GP_1_DEVmult_2016
Density
1.0
0.5
0.0
0
1
2
L_at_Amin_Fem_GP_1_DEVmult_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

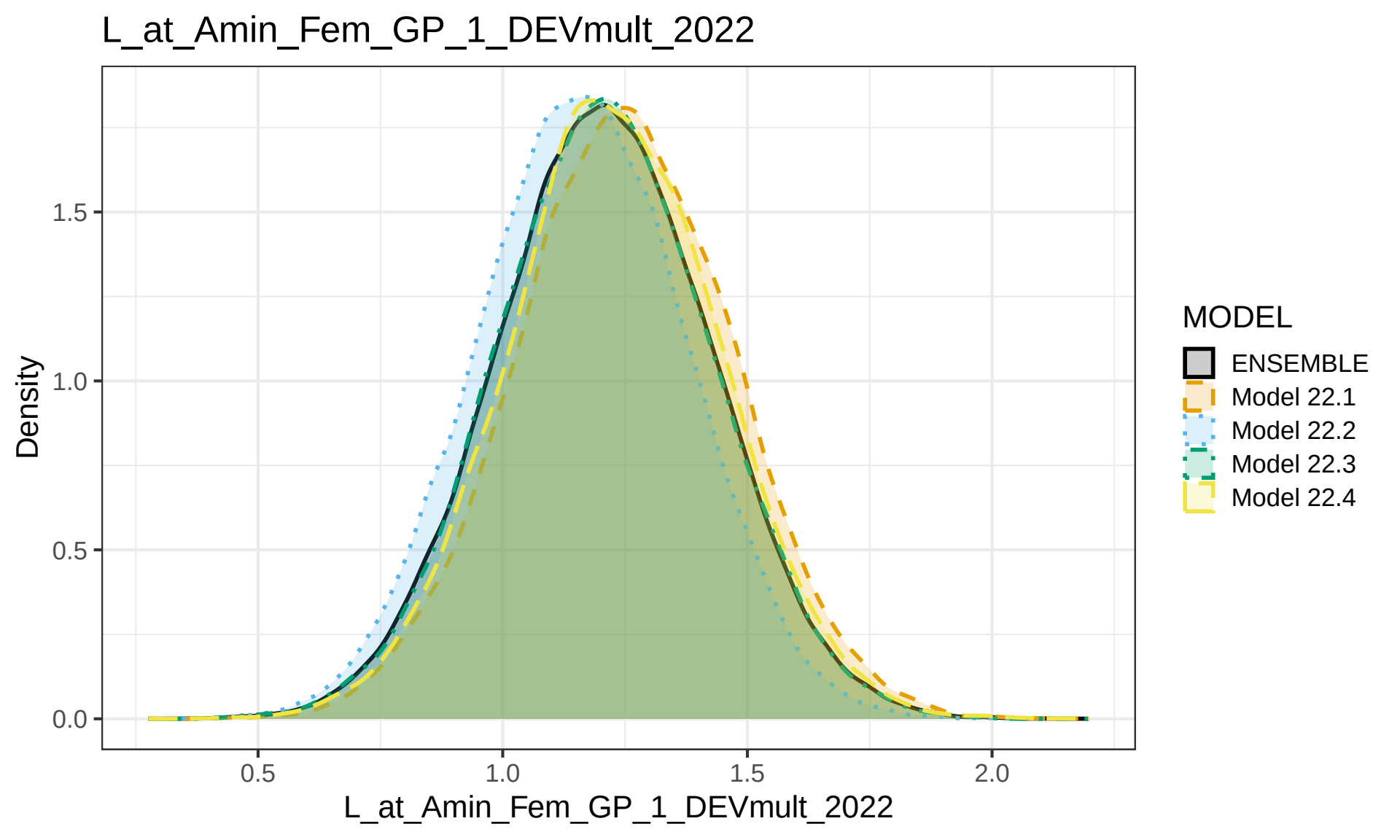

L_at_Amin_Fem_GP_1_DEVmult_2017
Density
1.5
1.0
0.5
0.0
0.5
1.0
1.5
2.0
2.5
L_at_Amin_Fem_GP_1_DEVmult_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

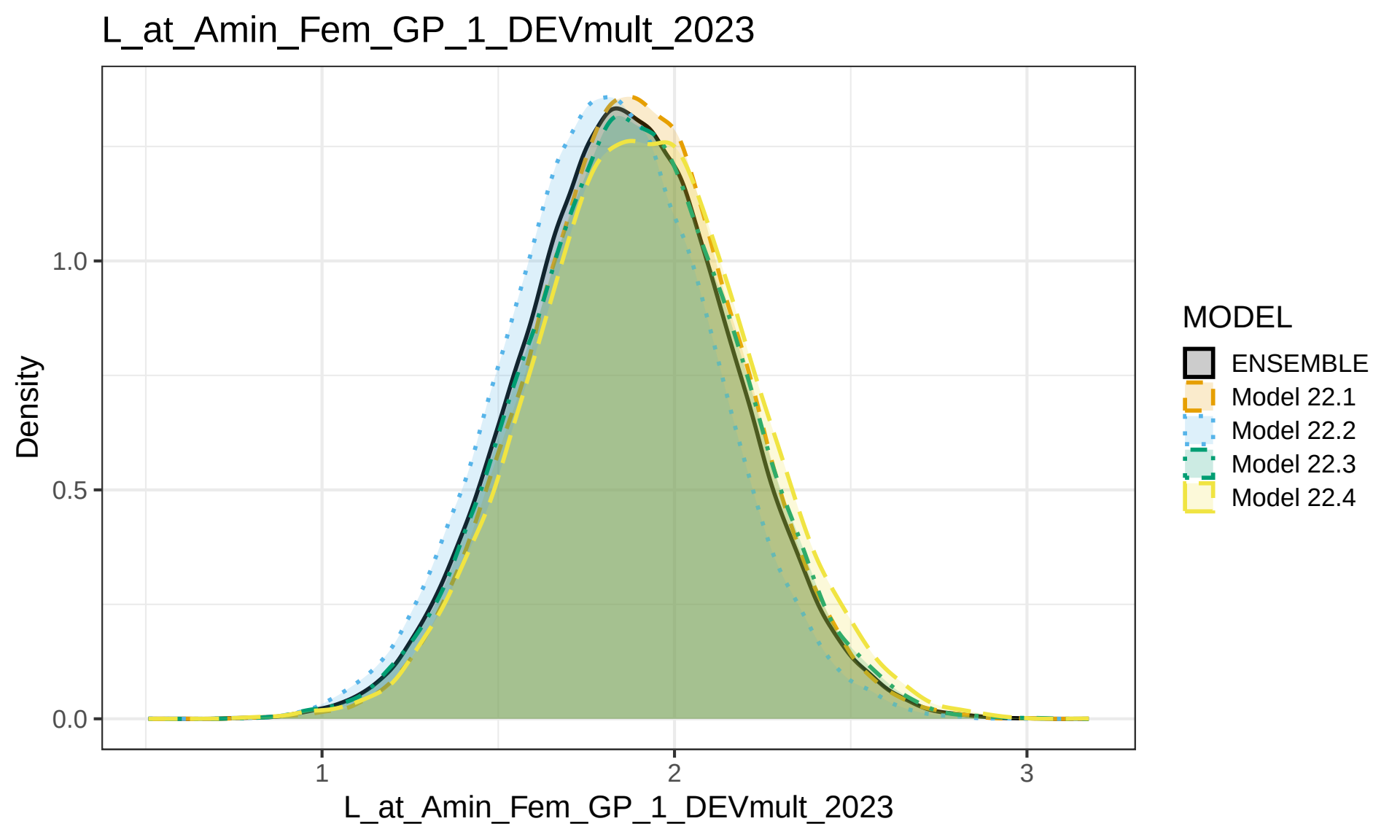

L_at_Amin_Fem_GP_1_DEVmult_2018
Density
2.0
1.5
1.0
0.5
0.0
1.5
2.0
2.5
L_at_Amin_Fem_GP_1_DEVmult_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

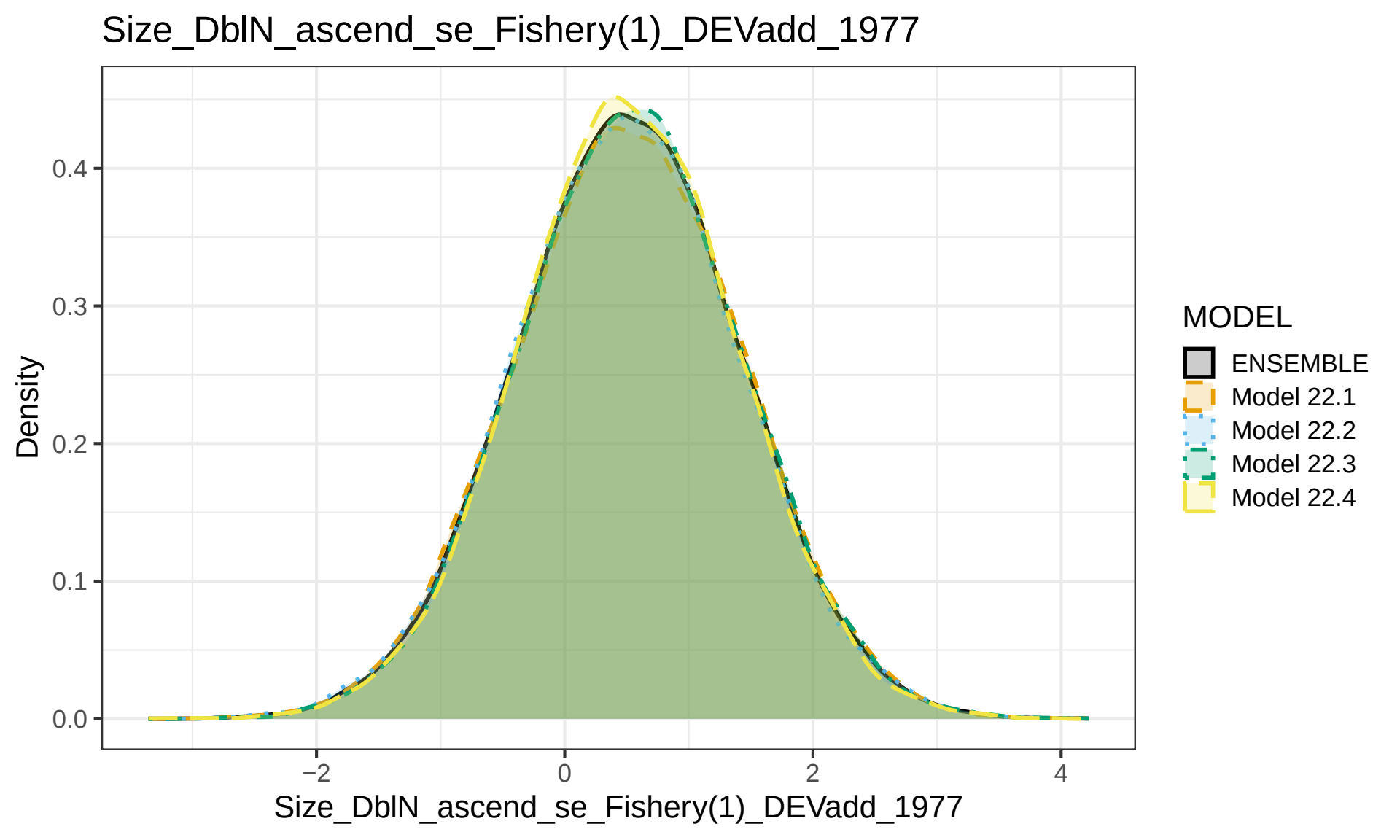

L_at_Amin_Fem_GP_1_DEVmult_2019
Density
0.0
0.1
0.2
0.3
−5.0
−2.5
0.0
2.5
L_at_Amin_Fem_GP_1_DEVmult_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

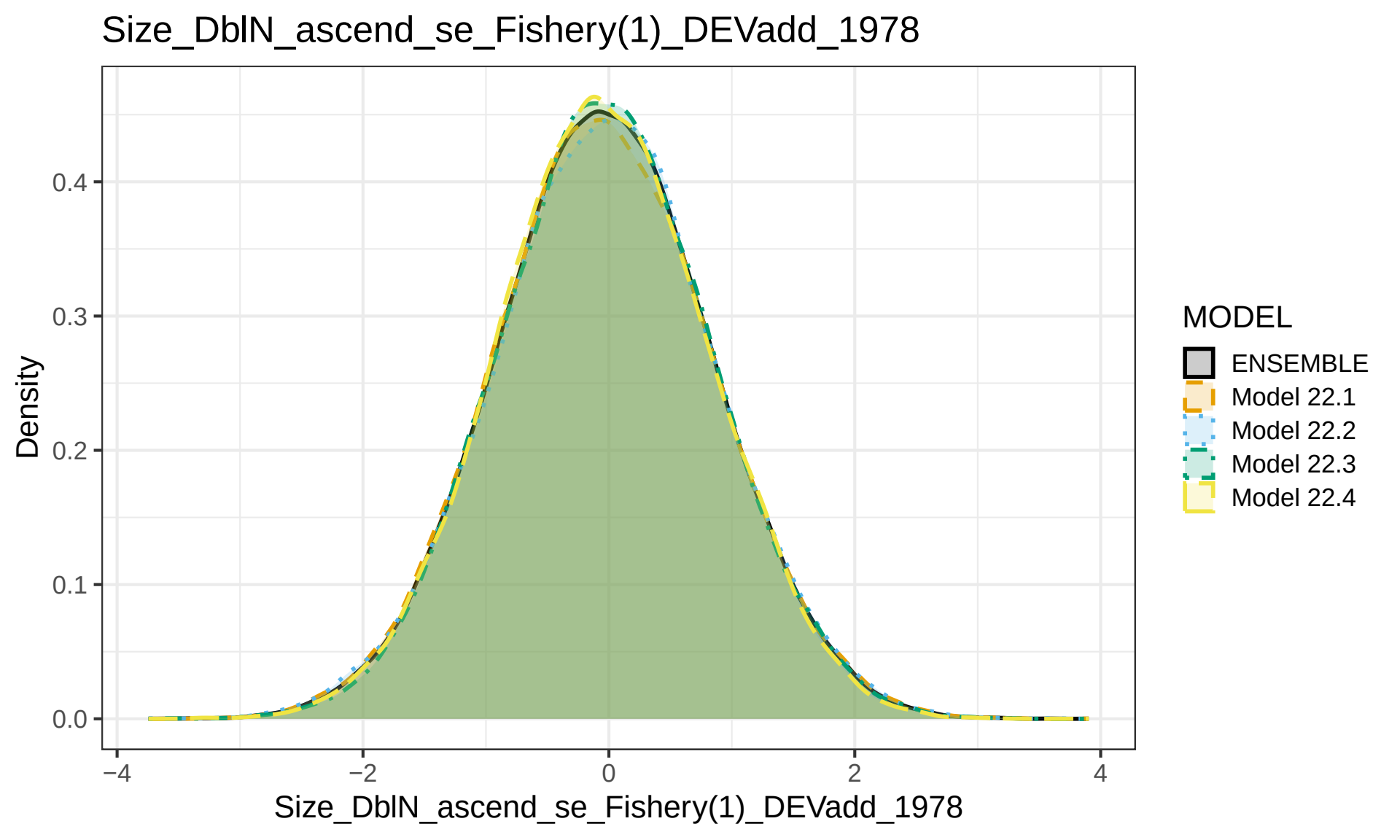

L_at_Amin_Fem_GP_1_DEVmult_2020
Density
0.0
0.5
1.0
1.5
0.5
1.0
1.5
2.0
L_at_Amin_Fem_GP_1_DEVmult_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

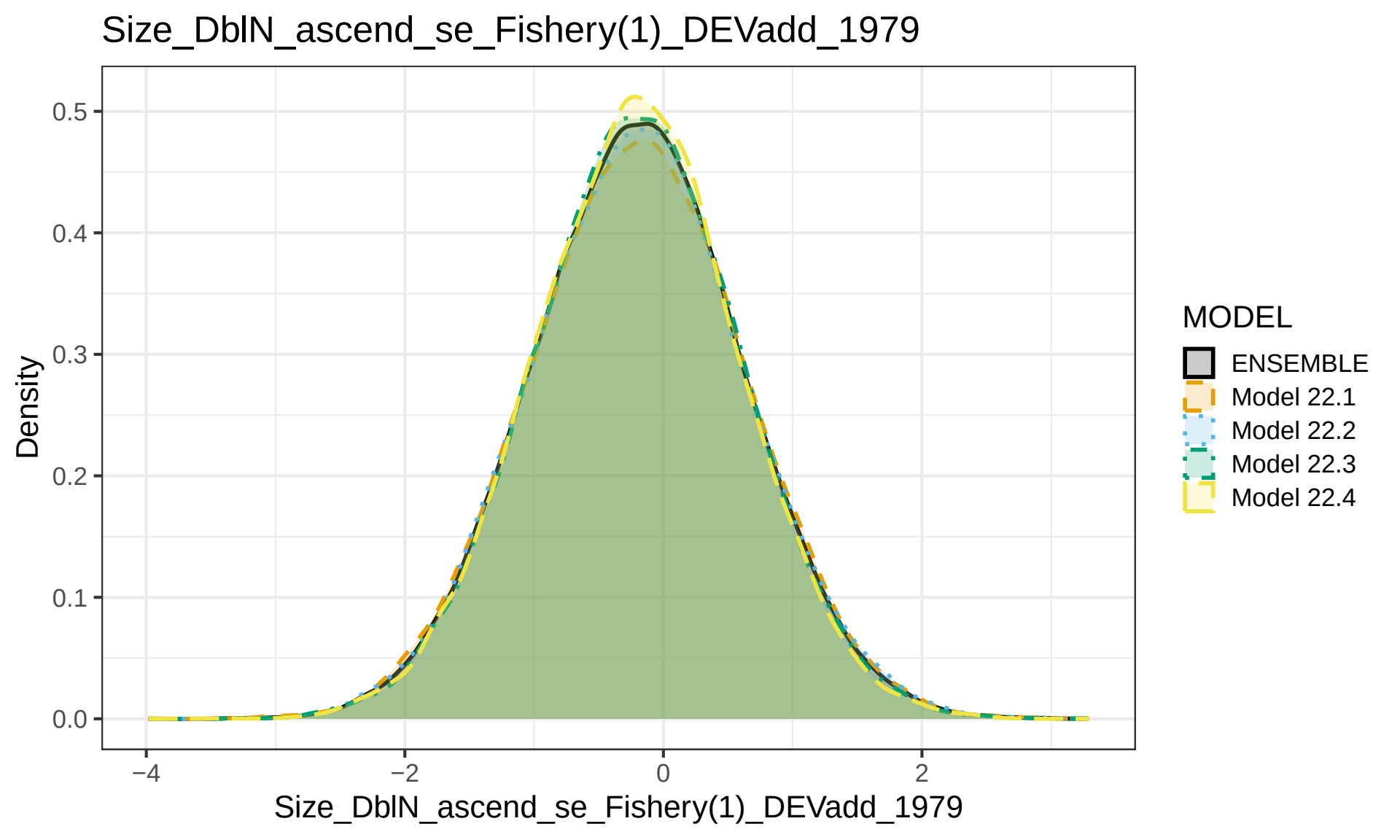

L_at_Amin_Fem_GP_1_DEVmult_2021
Density
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
1.5
L_at_Amin_Fem_GP_1_DEVmult_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

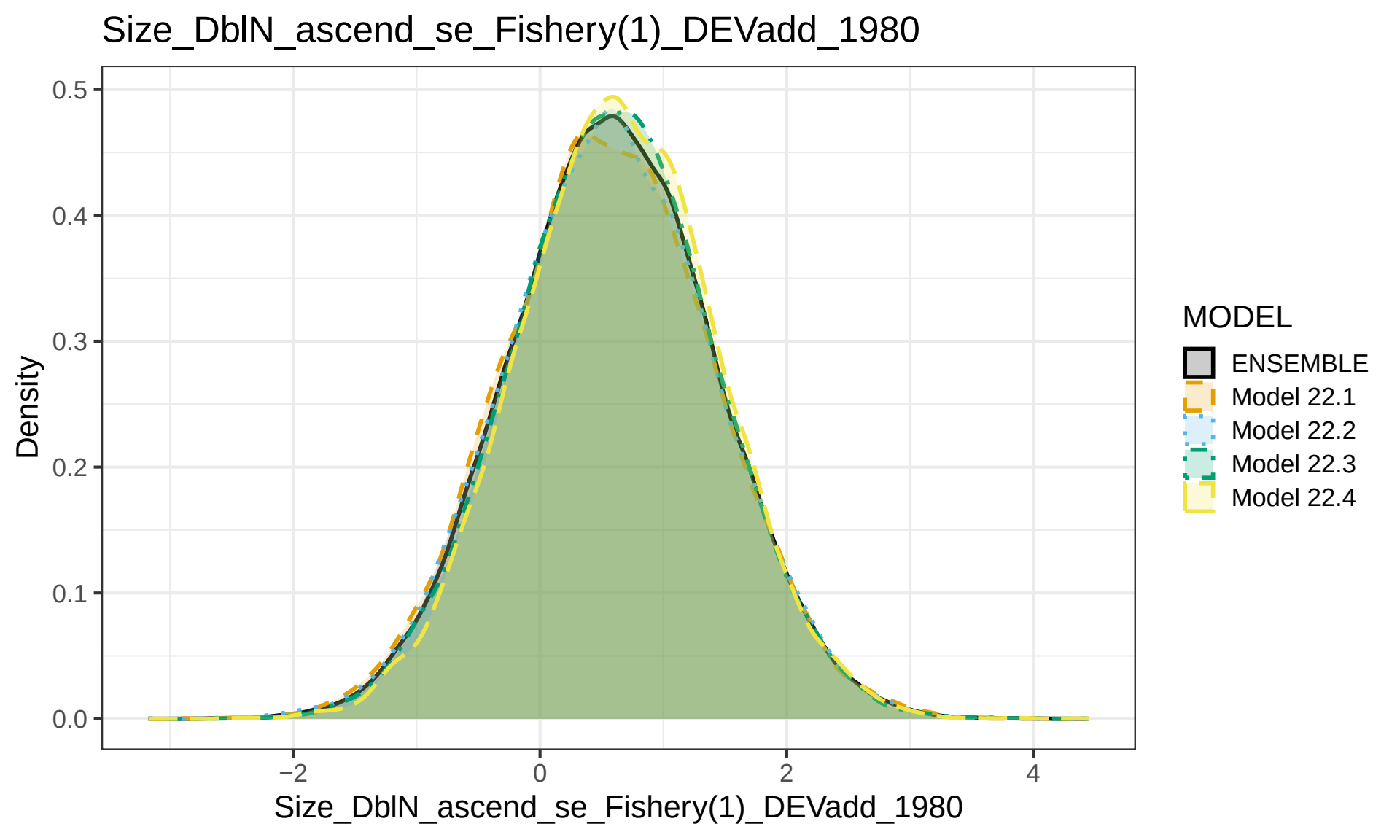

L_at_Amin_Fem_GP_1_DEVmult_2022
Density
0.0
0.5
1.0
1.5
0.5
1.0
1.5
2.0
L_at_Amin_Fem_GP_1_DEVmult_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

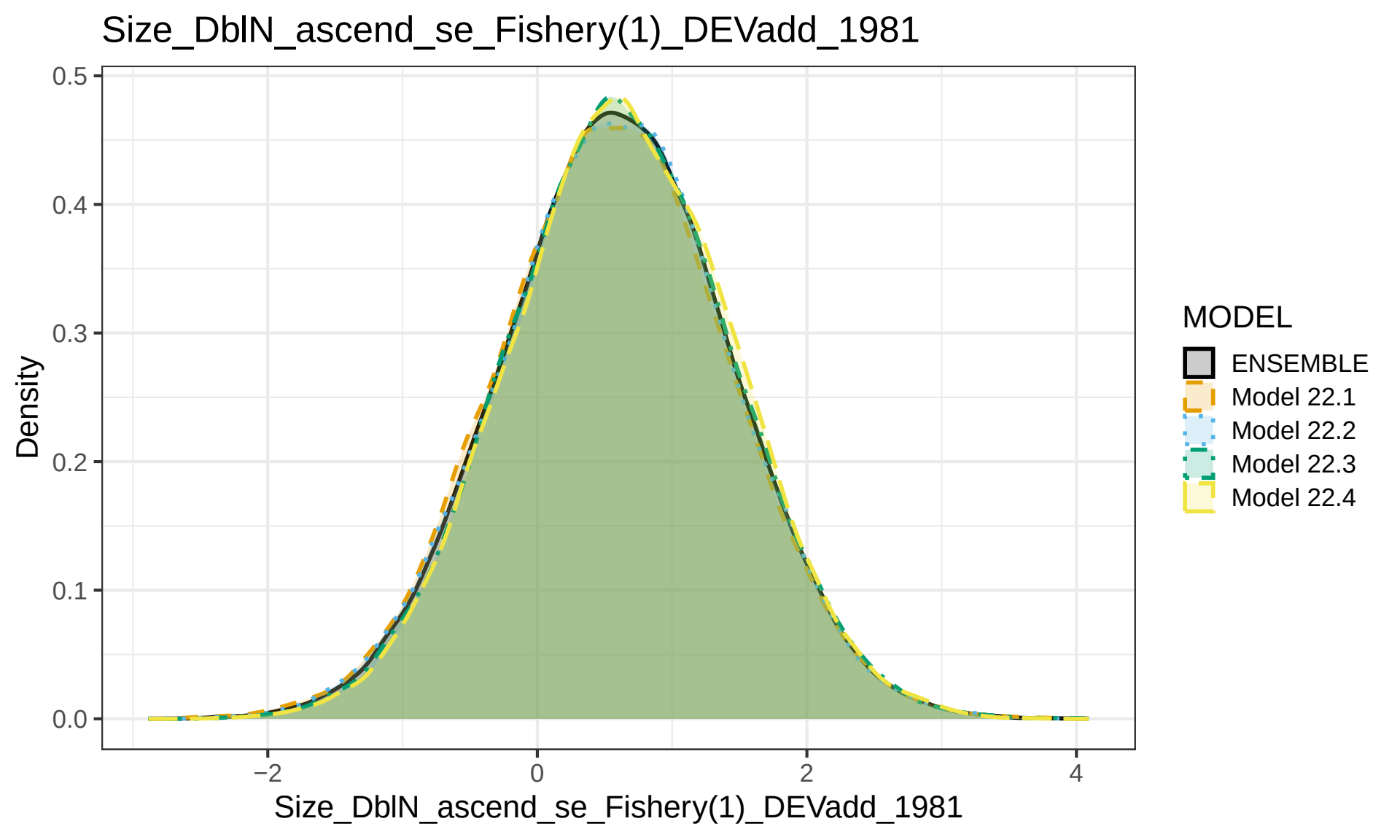

L_at_Amin_Fem_GP_1_DEVmult_2023
Density
1.0
0.5
0.0
1
2
3
L_at_Amin_Fem_GP_1_DEVmult_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

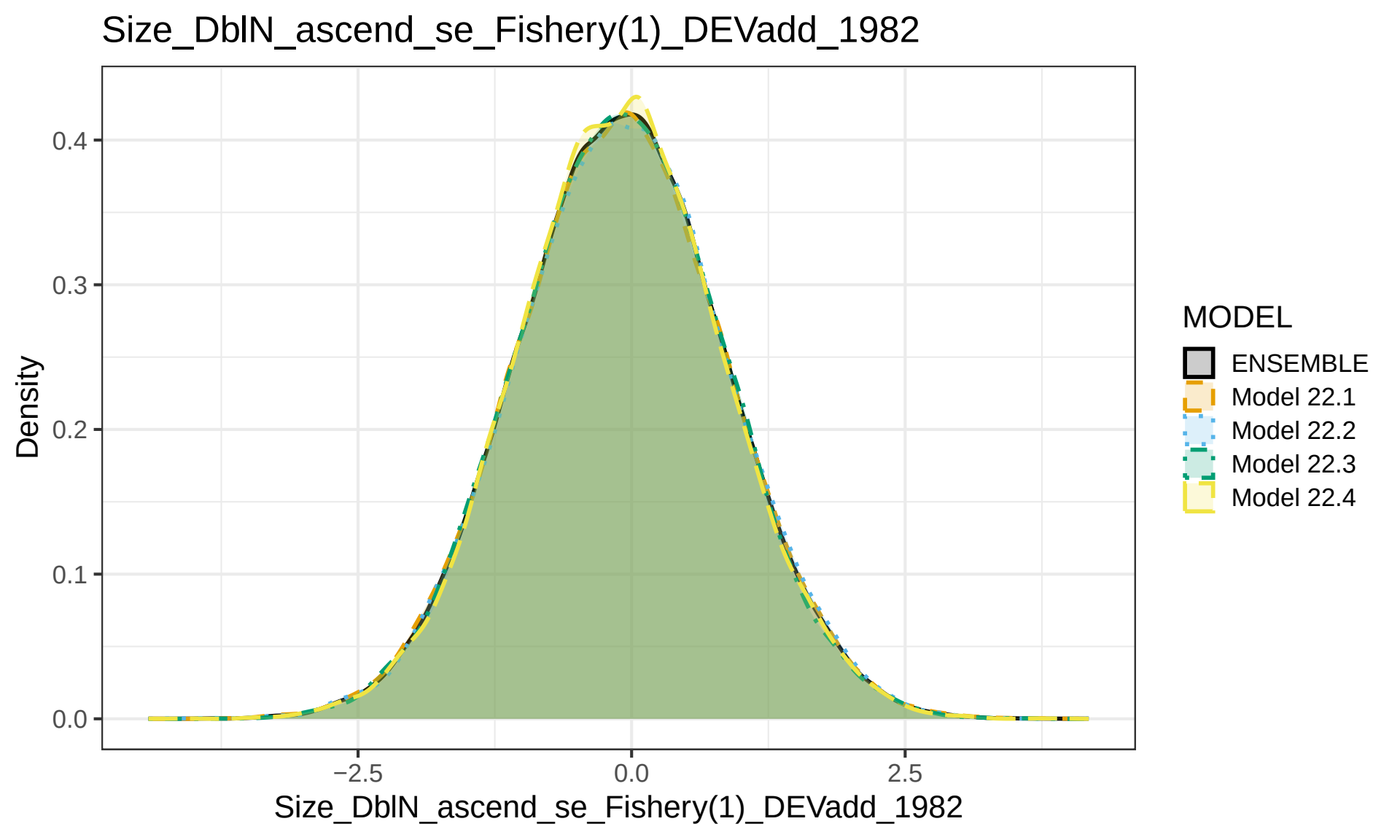

Size_DblN_ascend_se_Fishery(1)_DEVadd_1977
Density
0.0
0.1
0.2
0.3
0.4
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

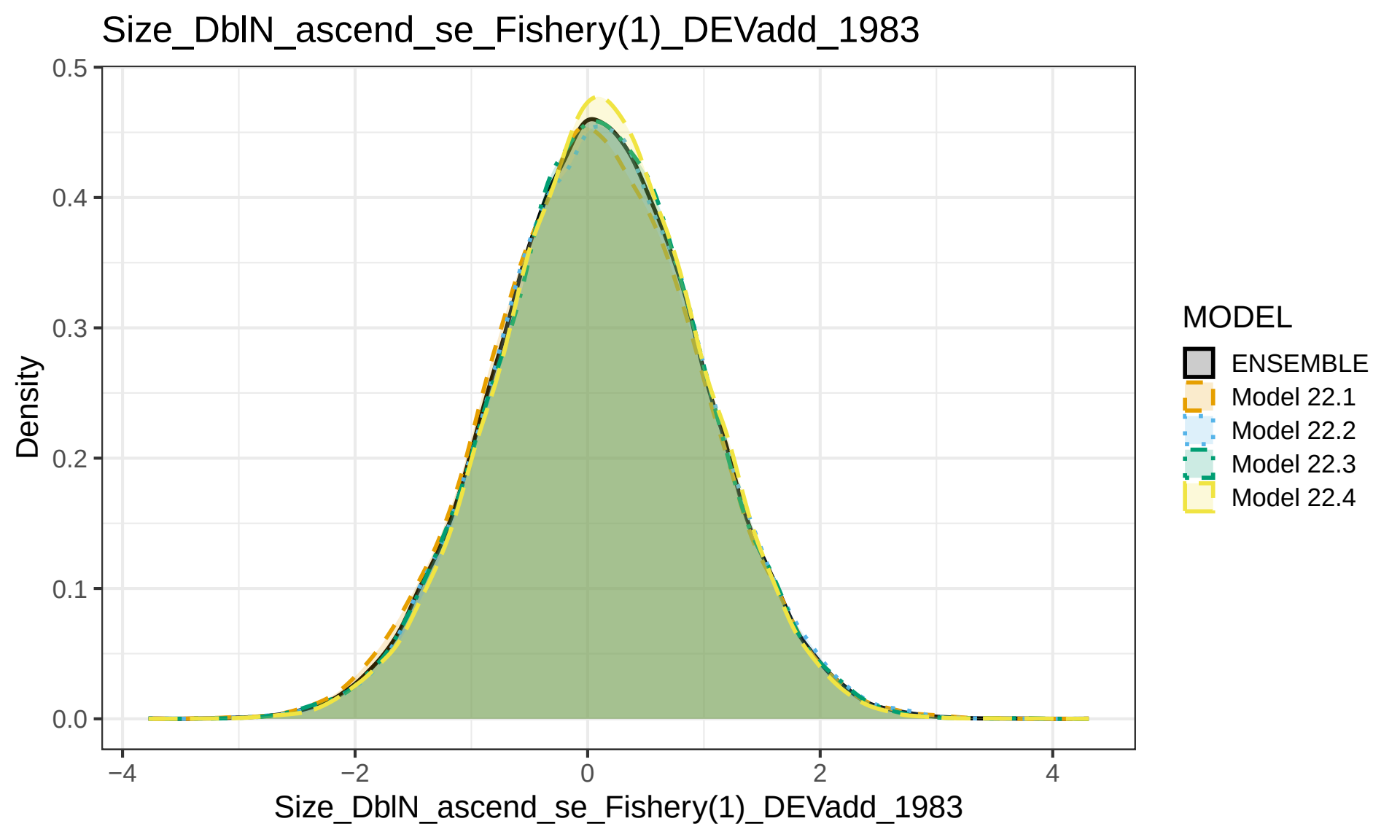

Size_DblN_ascend_se_Fishery(1)_DEVadd_1978
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

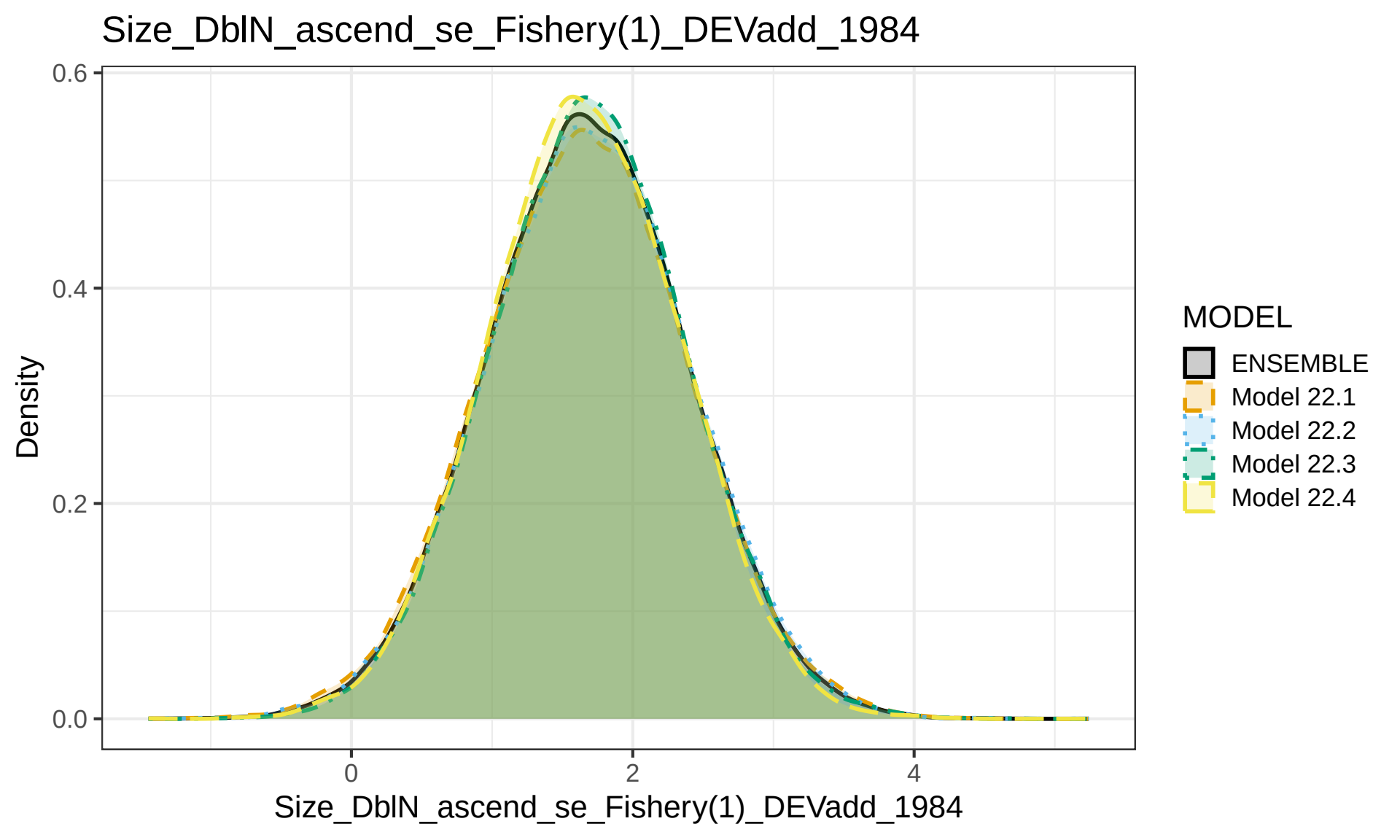

Size_DblN_ascend_se_Fishery(1)_DEVadd_1979
Density
0.0
0.1
0.2
0.3
0.4
0.5
−4
−2
0
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

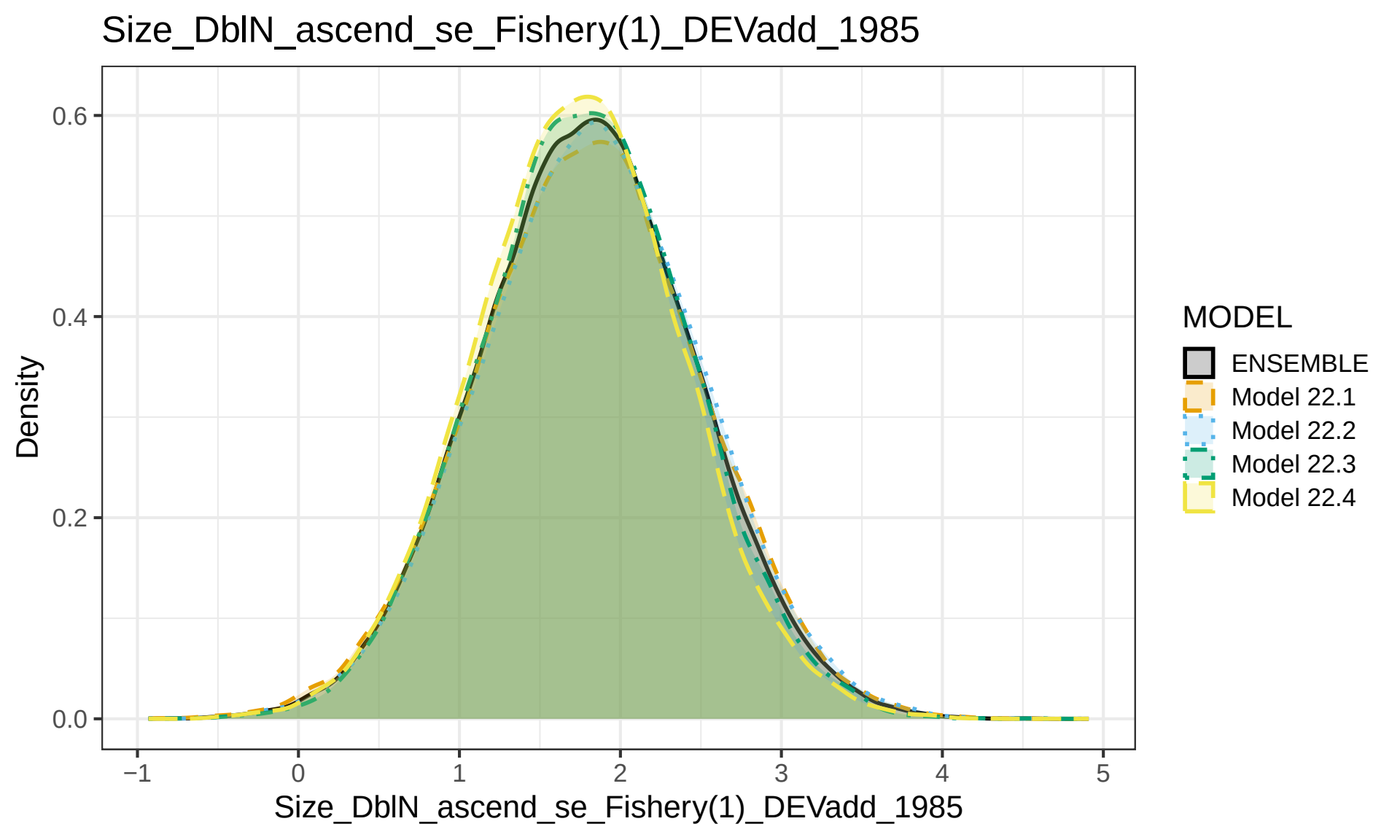

Size_DblN_ascend_se_Fishery(1)_DEVadd_1980
Density
0.5
0.4
0.3
0.2
0.1
0.0
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

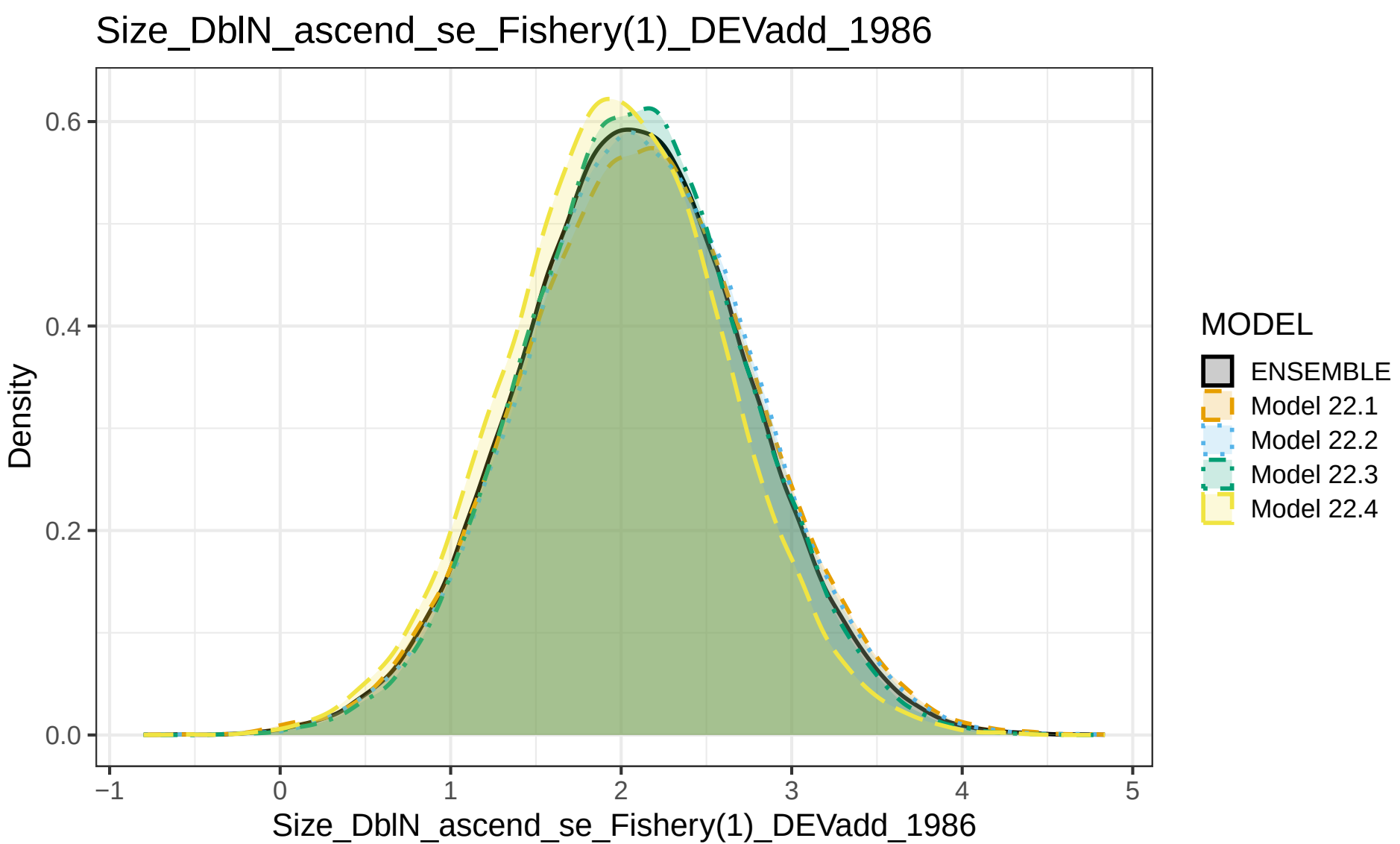

Size_DblN_ascend_se_Fishery(1)_DEVadd_1981
Density
0.5
0.4
0.3
0.2
0.1
0.0
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

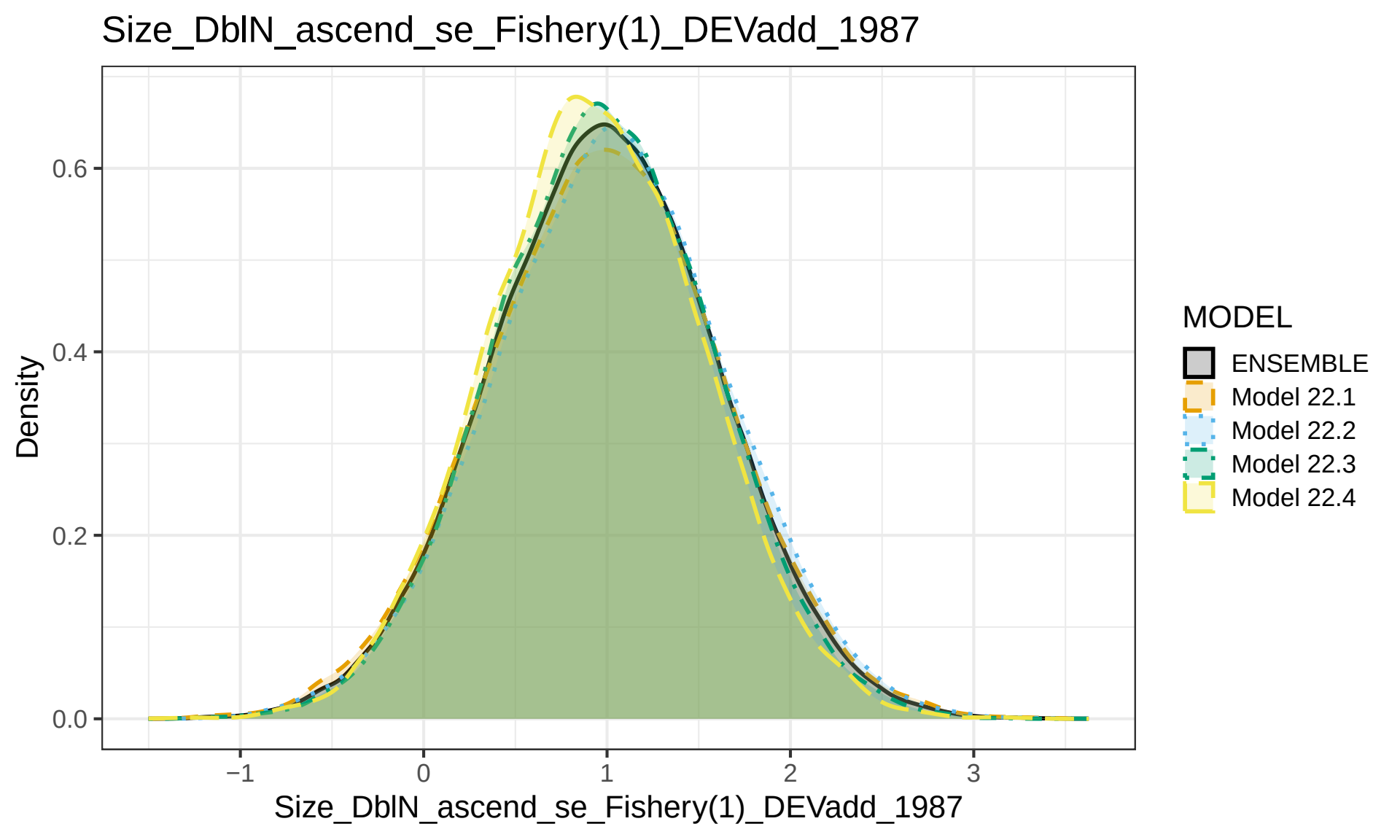

Size_DblN_ascend_se_Fishery(1)_DEVadd_1982
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
Size_DblN_ascend_se_Fishery(1)_DEVadd_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

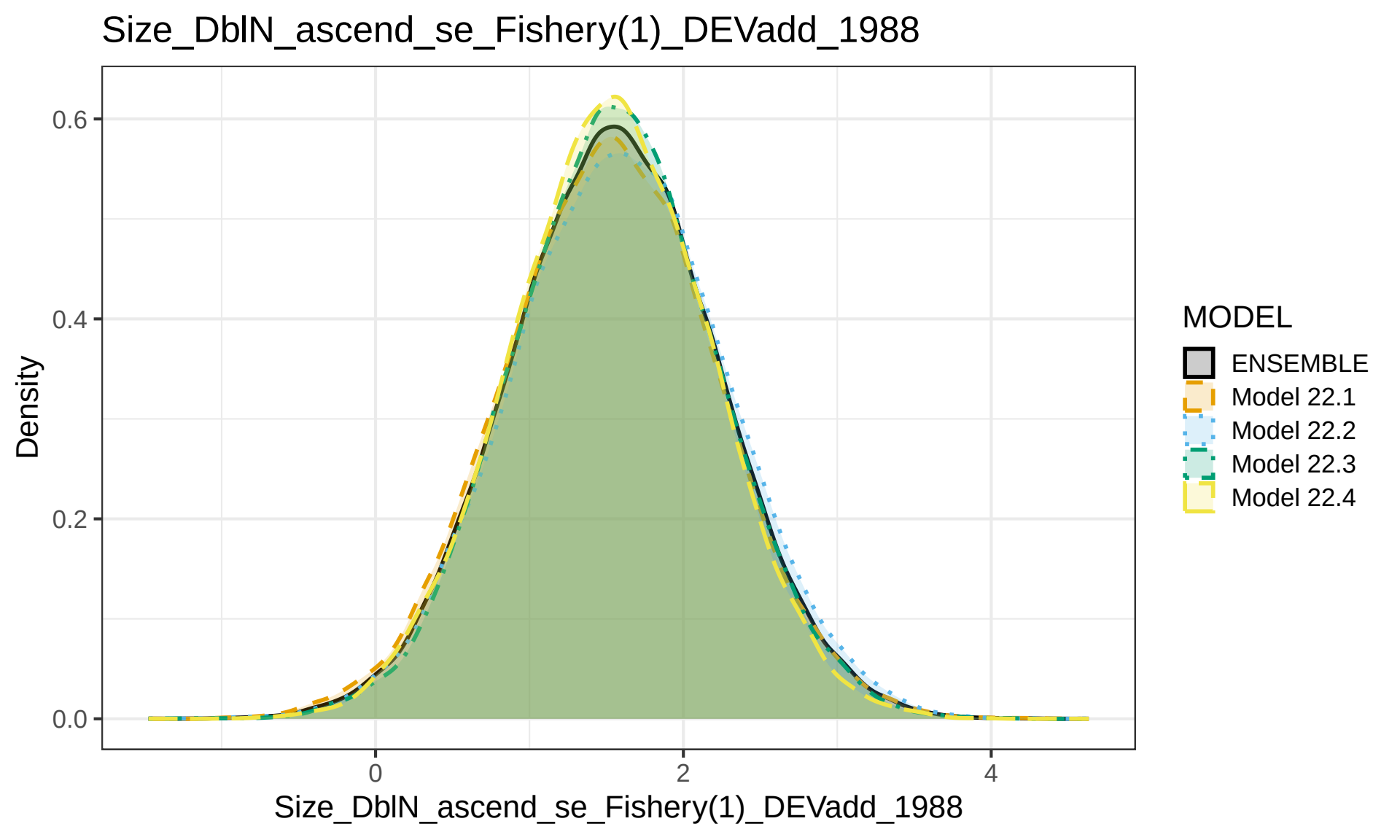

Size_DblN_ascend_se_Fishery(1)_DEVadd_1983
Density
0.5
0.4
0.3
0.2
0.1
0.0
−4
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

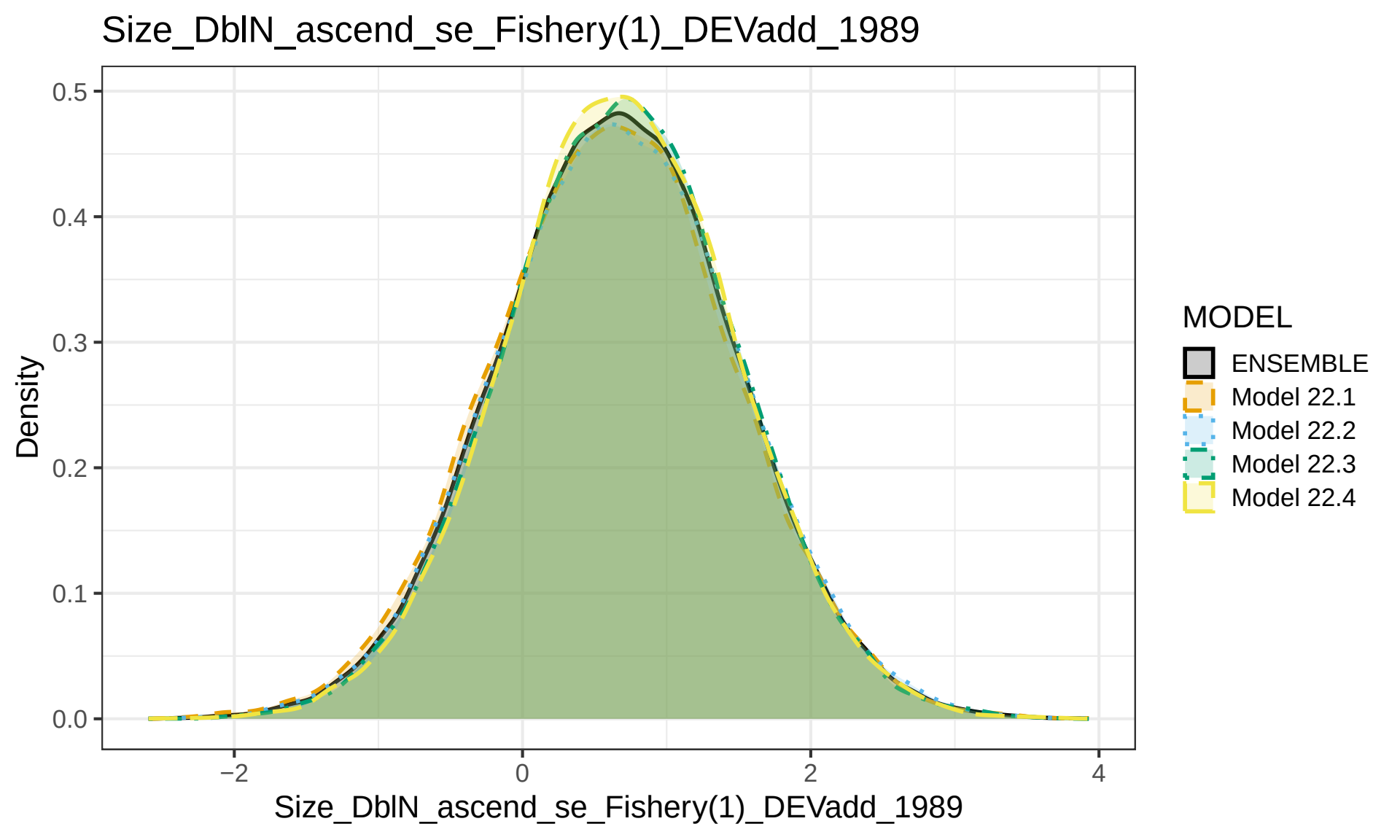

Size_DblN_ascend_se_Fishery(1)_DEVadd_1984
0.6
0.4
0.2
0.0
Density
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

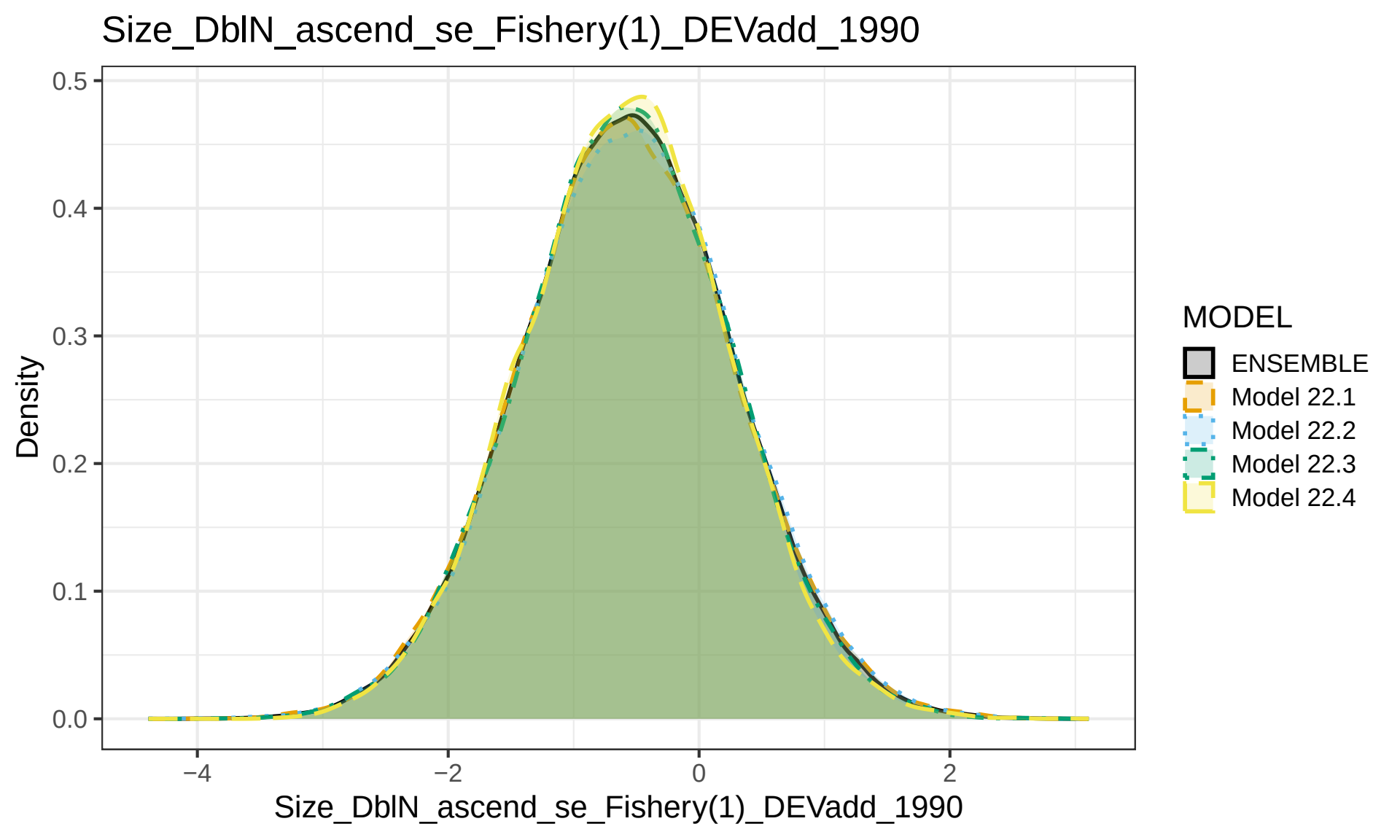

Size_DblN_ascend_se_Fishery(1)_DEVadd_1985
Density
0.0
0.2
0.4
0.6
−1
0
1
2
3
4
5
Size_DblN_ascend_se_Fishery(1)_DEVadd_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

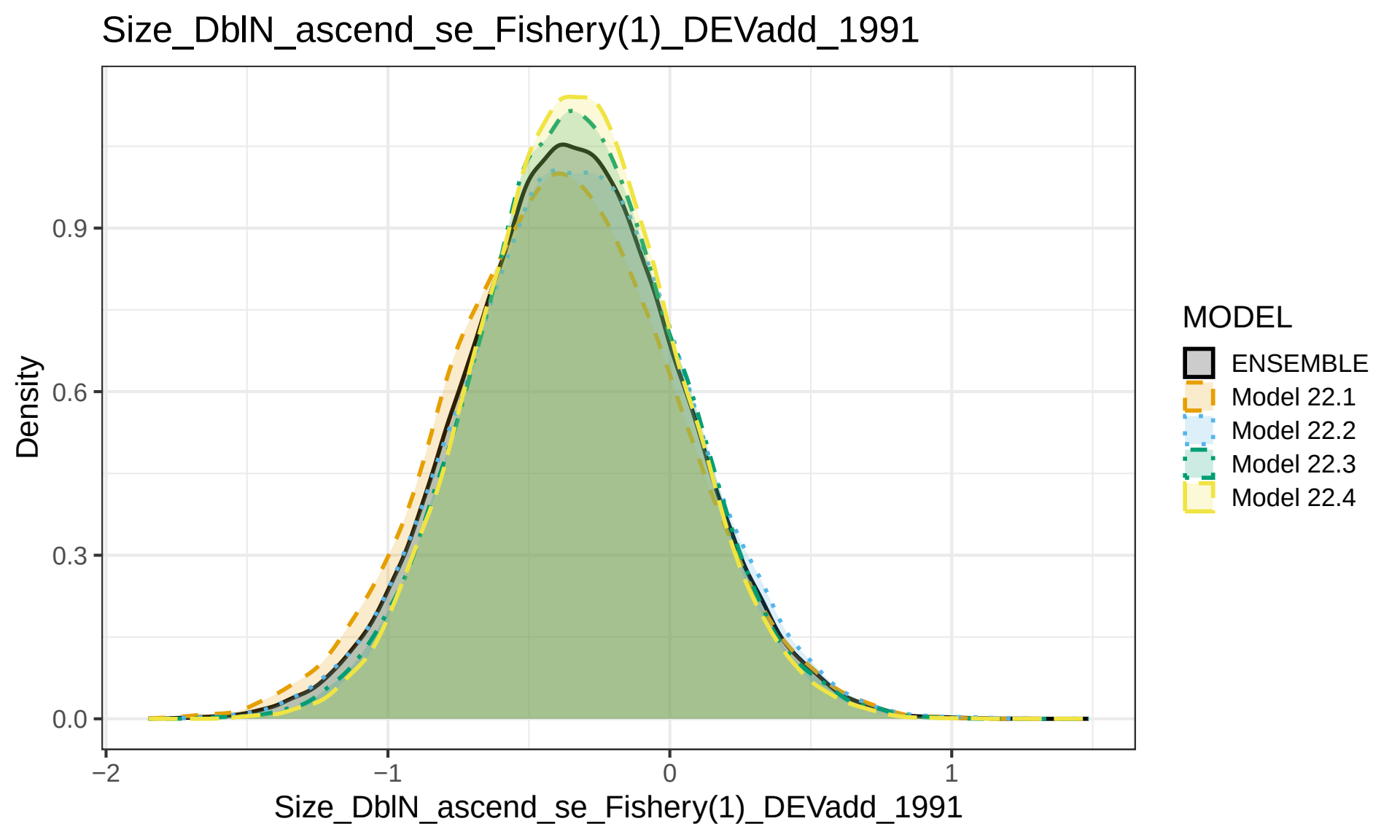

Size_DblN_ascend_se_Fishery(1)_DEVadd_1986
Density
0.0
0.2
0.4
0.6
−1
0
1
2
3
4
5
Size_DblN_ascend_se_Fishery(1)_DEVadd_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

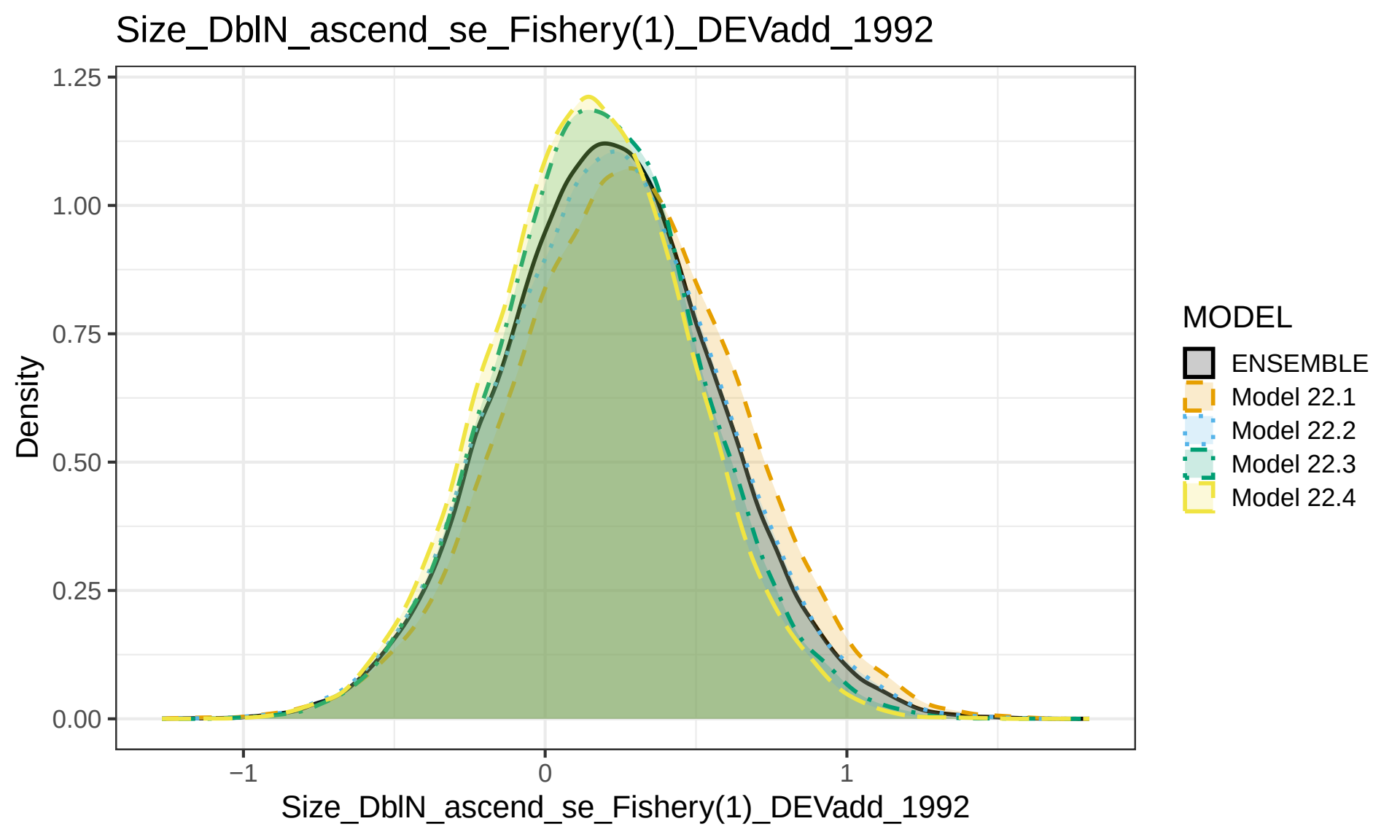

Size_DblN_ascend_se_Fishery(1)_DEVadd_1987
Density
0.0
0.2
0.4
0.6
−1
0
1
2
3
Size_DblN_ascend_se_Fishery(1)_DEVadd_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

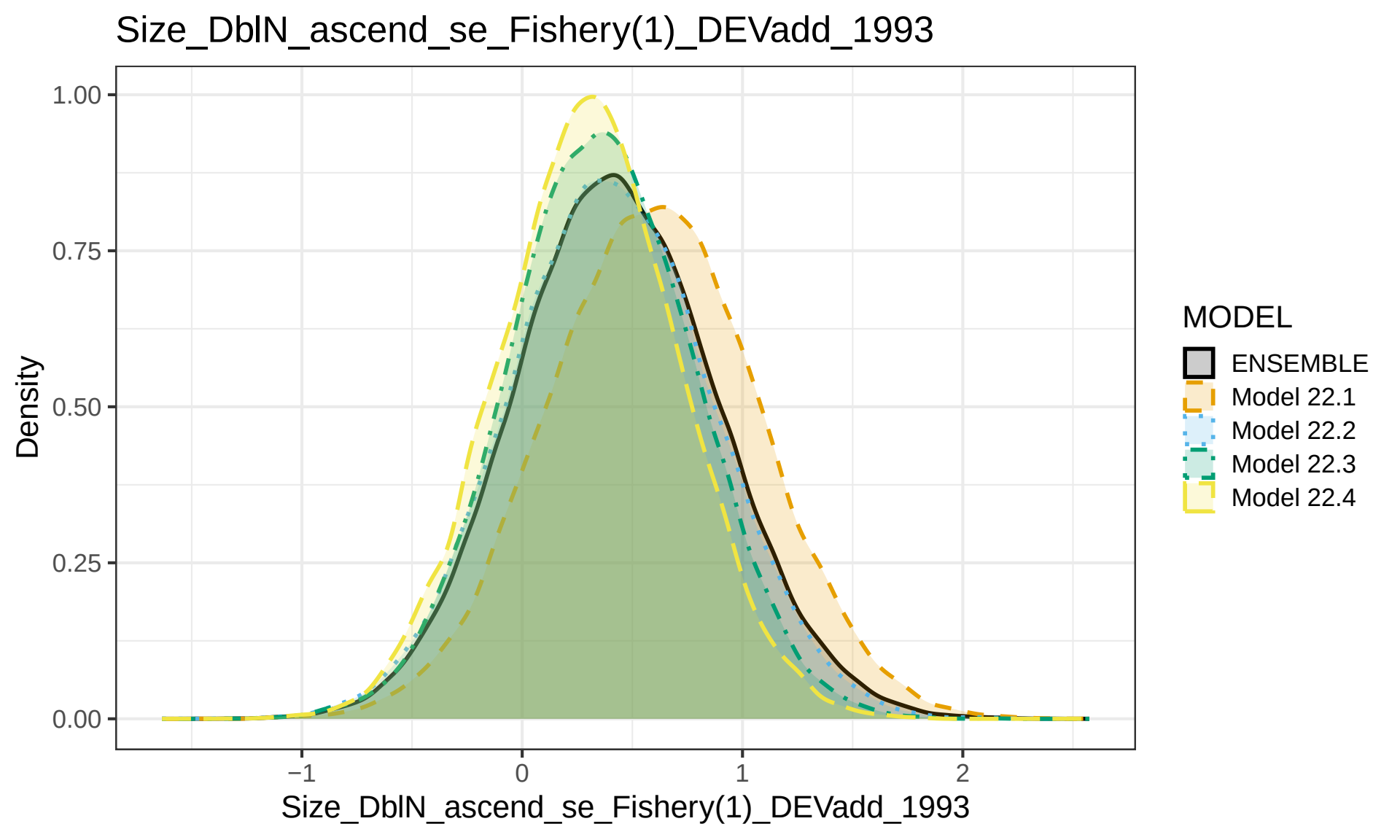

Size_DblN_ascend_se_Fishery(1)_DEVadd_1988
Density
0.6
0.4
0.2
0.0
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

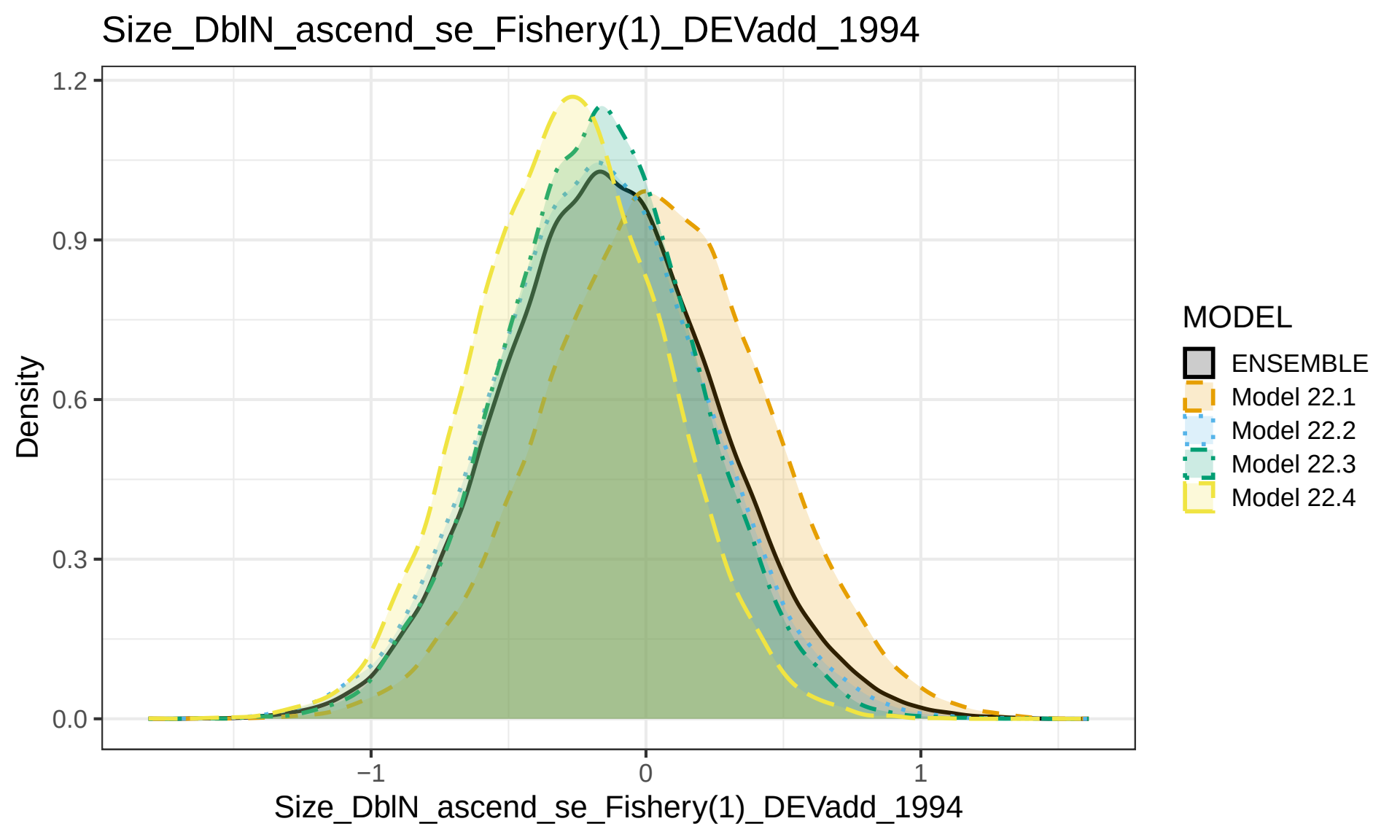

Size_DblN_ascend_se_Fishery(1)_DEVadd_1989
Density
0.0
0.1
0.2
0.3
0.4
0.5
−2
0
2
4
Size_DblN_ascend_se_Fishery(1)_DEVadd_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

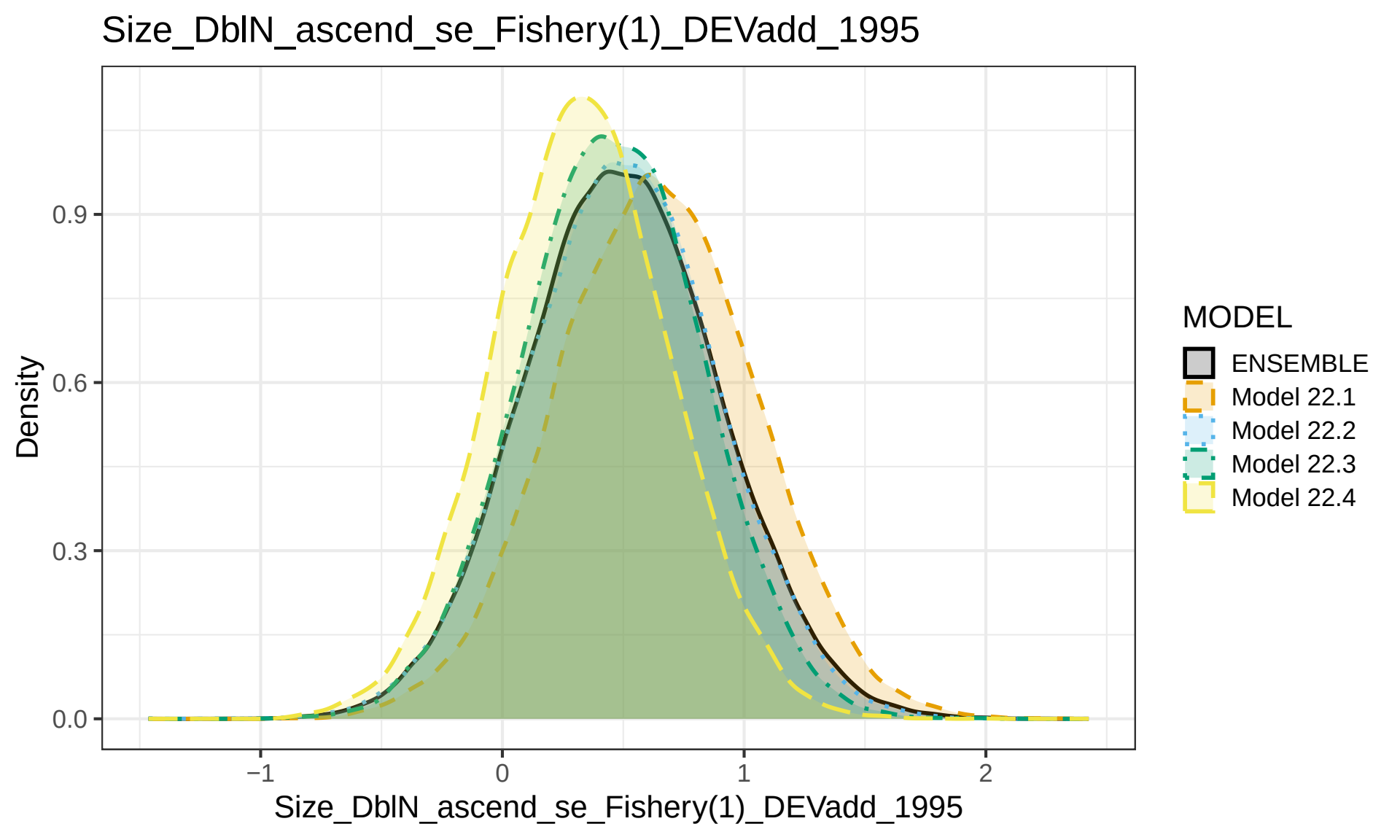

Size_DblN_ascend_se_Fishery(1)_DEVadd_1990
Density
0.5
0.4
0.3
0.2
0.1
0.0
−4
−2
0
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

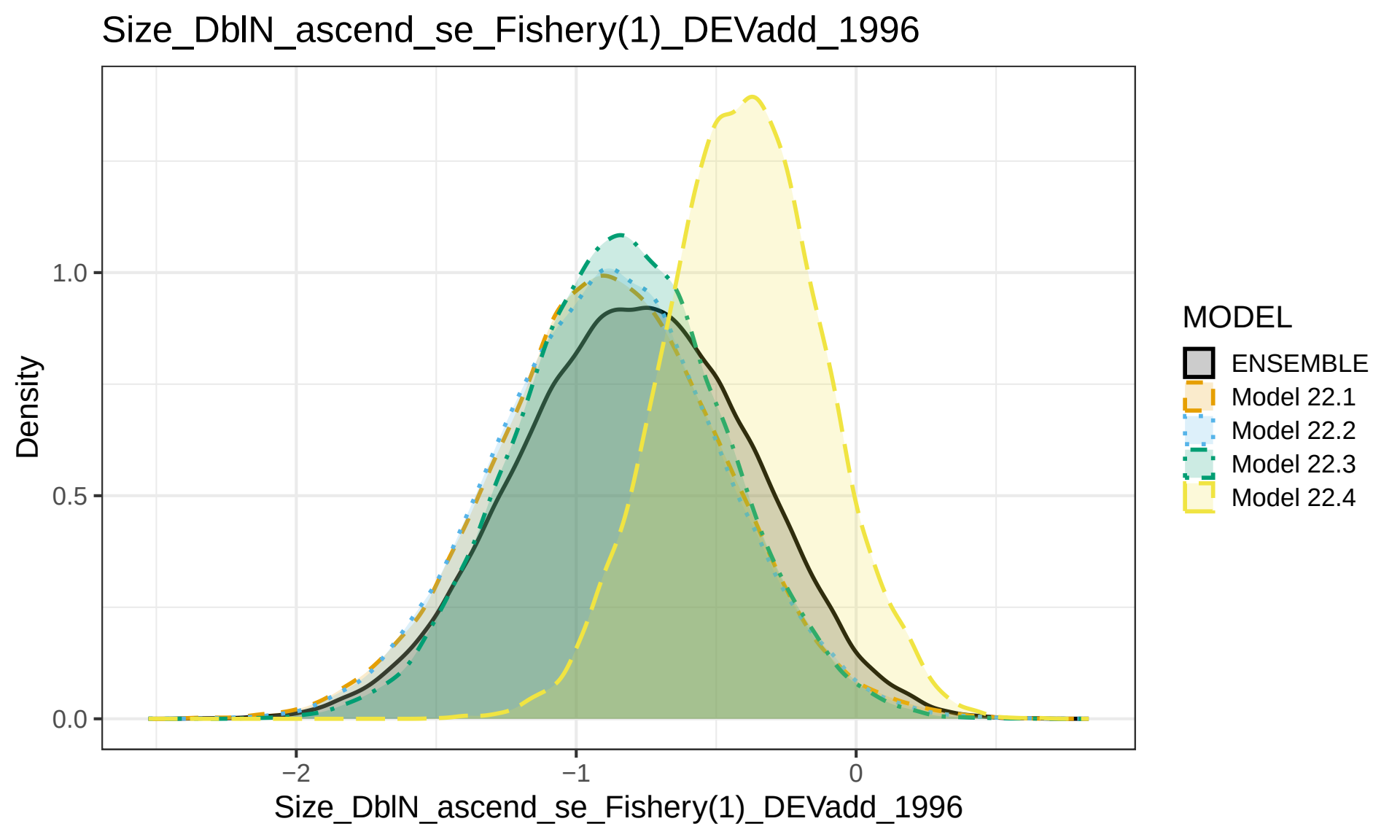

Size_DblN_ascend_se_Fishery(1)_DEVadd_1991
Density
0.0
0.3
0.6
0.9
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

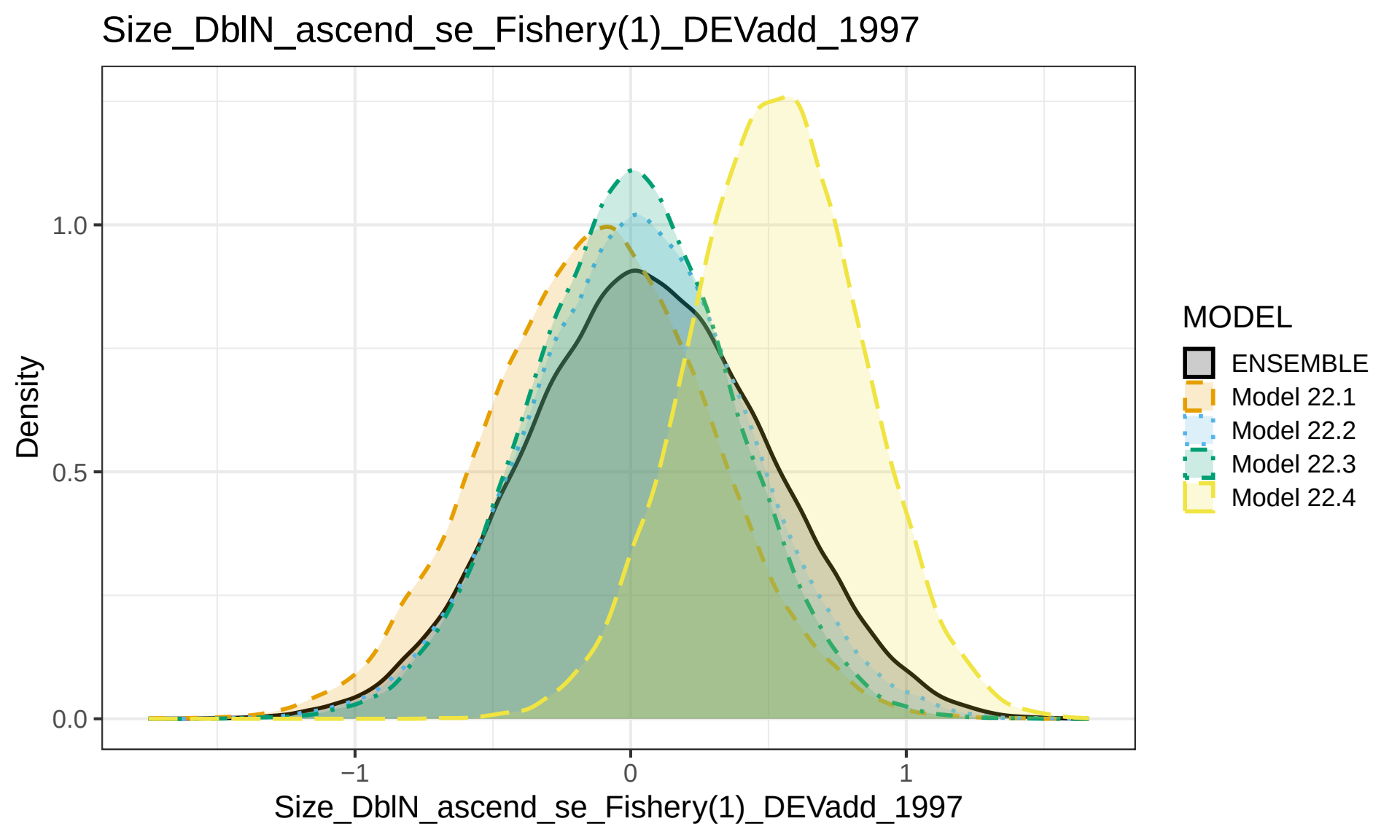

Size_DblN_ascend_se_Fishery(1)_DEVadd_1992
Density
1.25
1.00
0.75
0.50
0.25
0.00
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

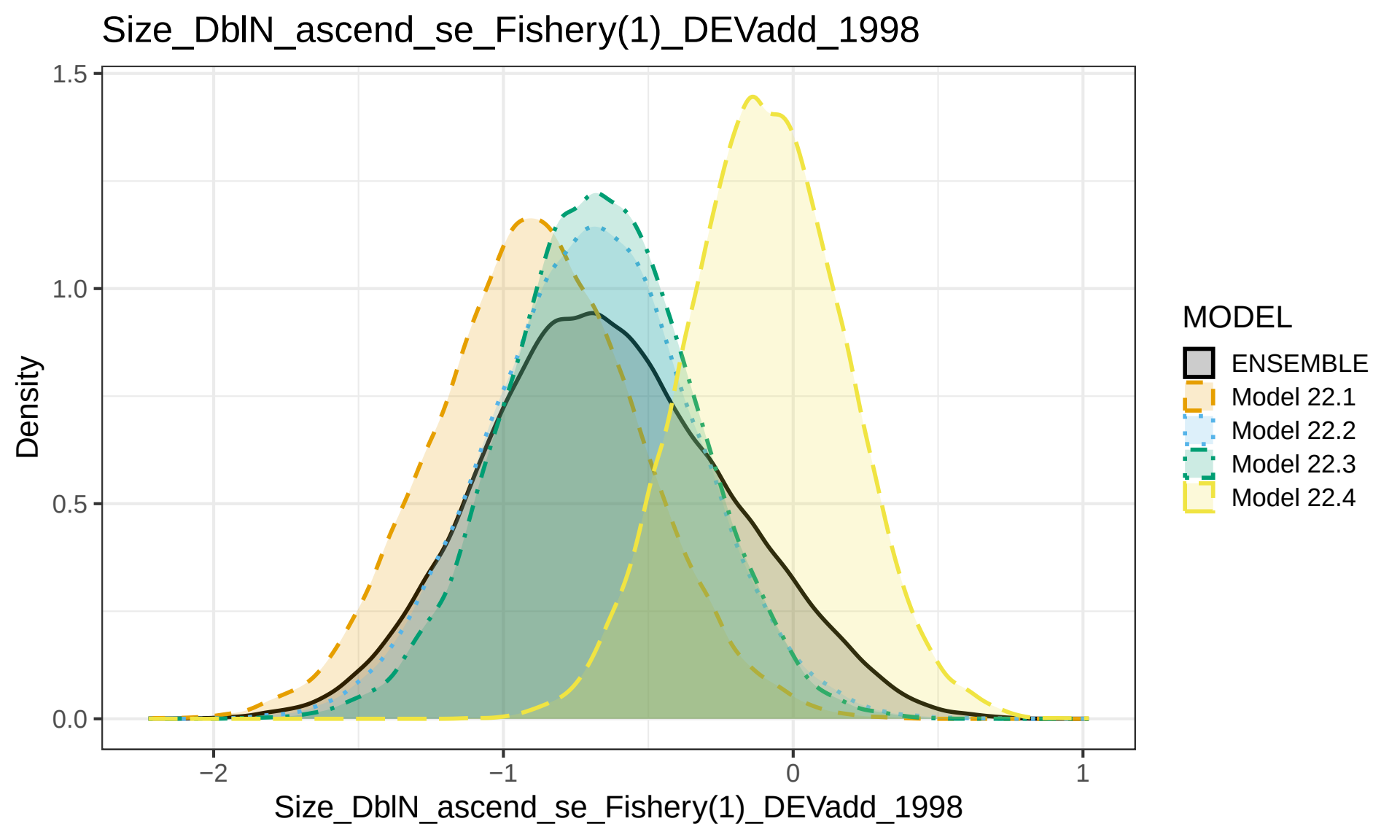

Size_DblN_ascend_se_Fishery(1)_DEVadd_1993
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

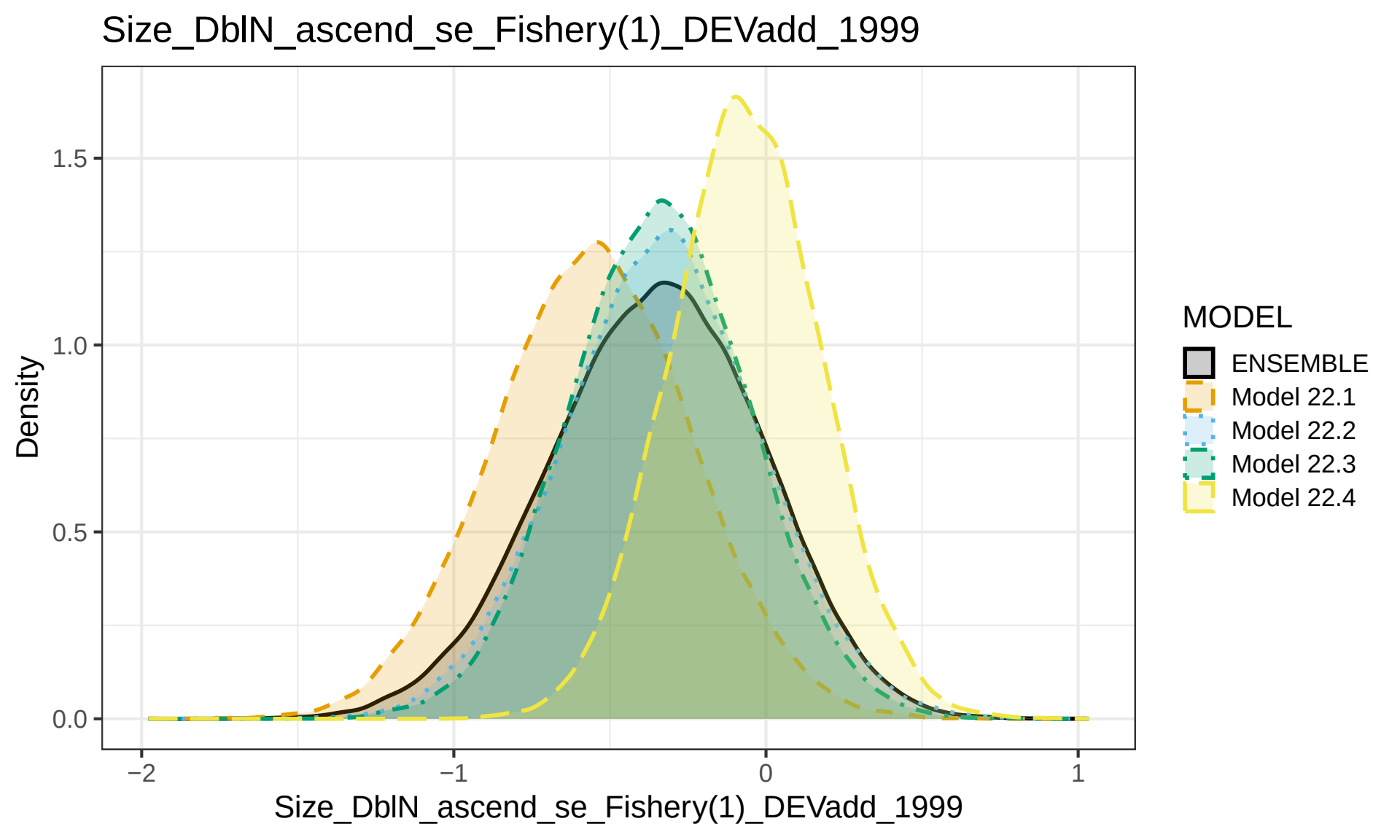

Size_DblN_ascend_se_Fishery(1)_DEVadd_1994
1.2
0.9
0.6
0.3
0.0
Density
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

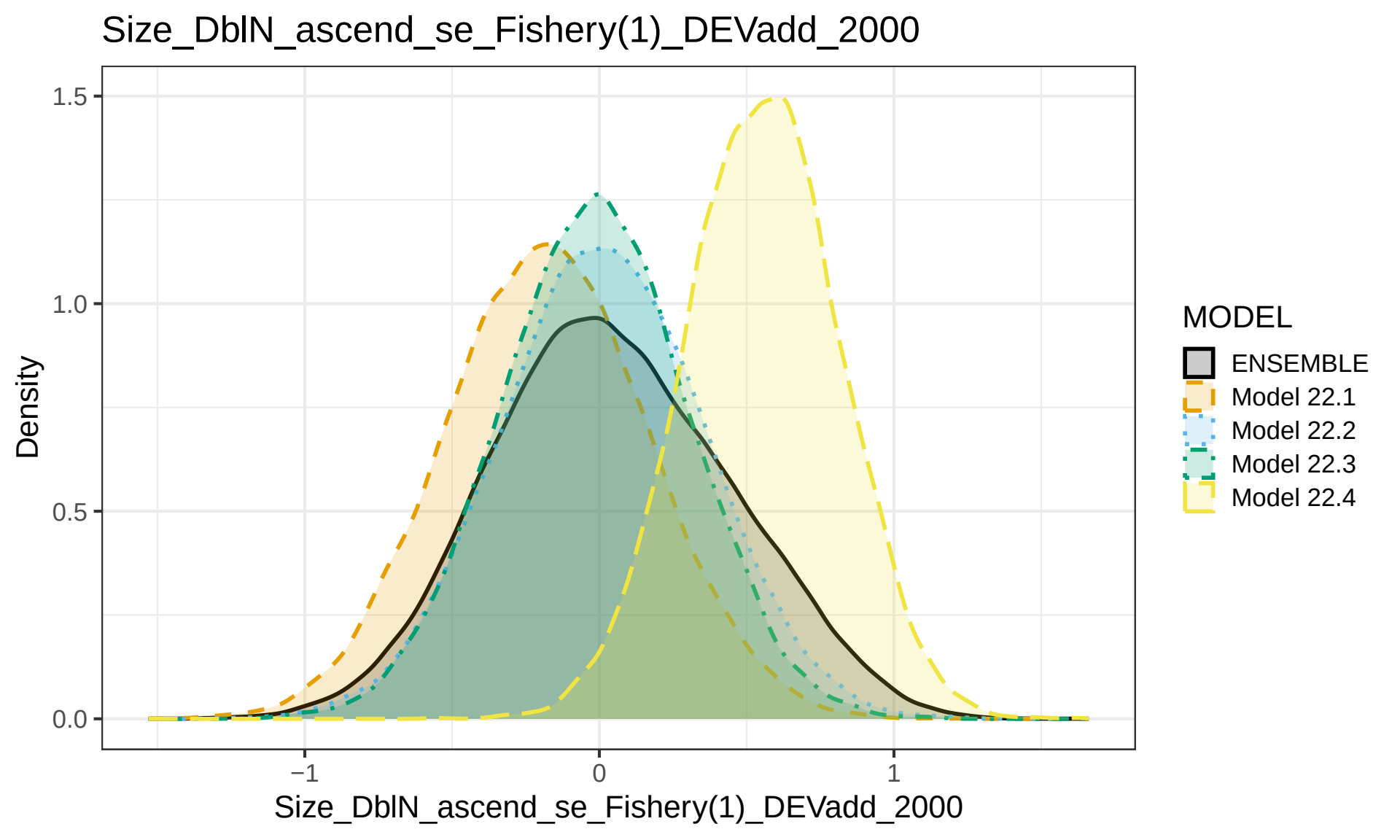

Size_DblN_ascend_se_Fishery(1)_DEVadd_1995
Density
0.0
0.3
0.6
0.9
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

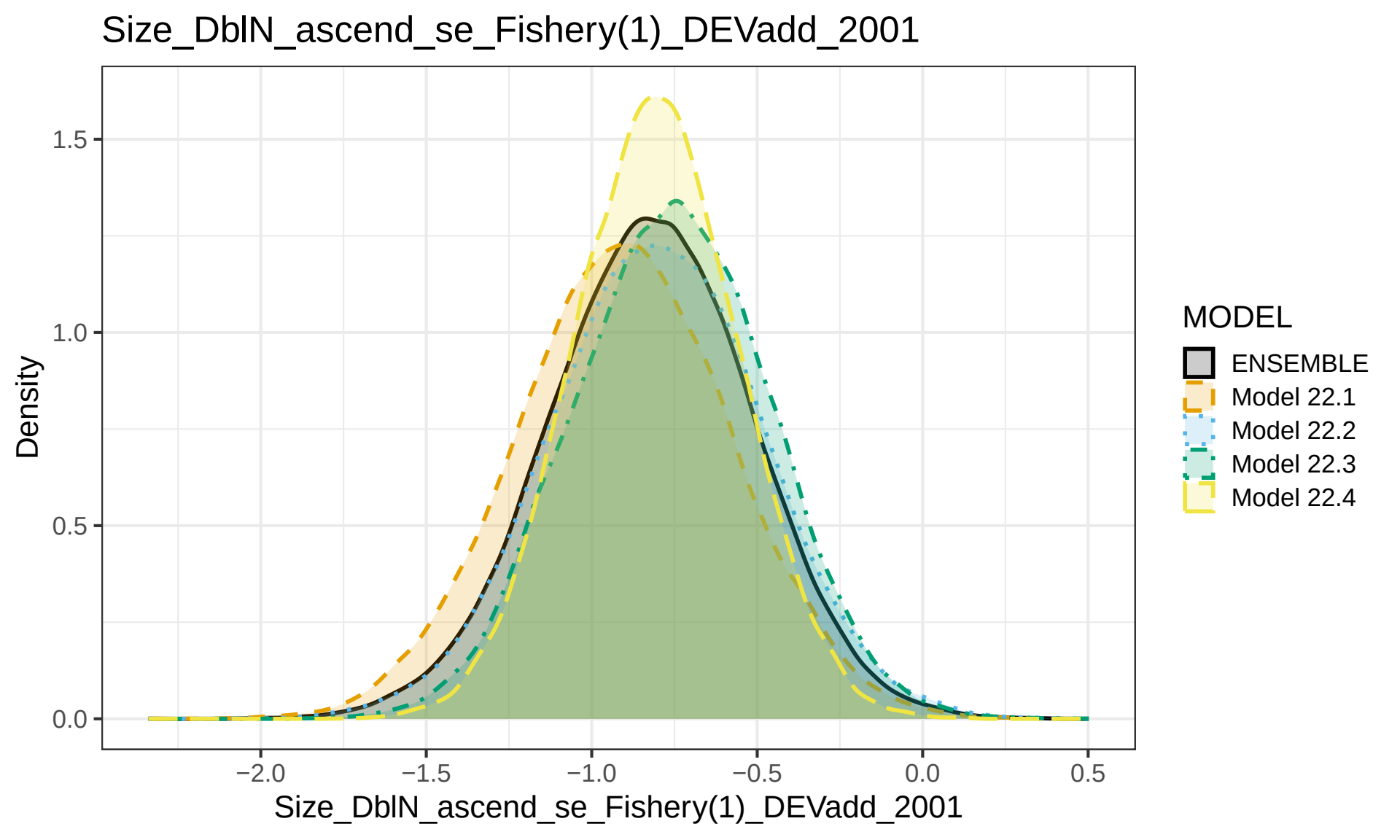

Size_DblN_ascend_se_Fishery(1)_DEVadd_1996
Density
1.0
0.5
0.0
−2
−1
0
Size_DblN_ascend_se_Fishery(1)_DEVadd_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

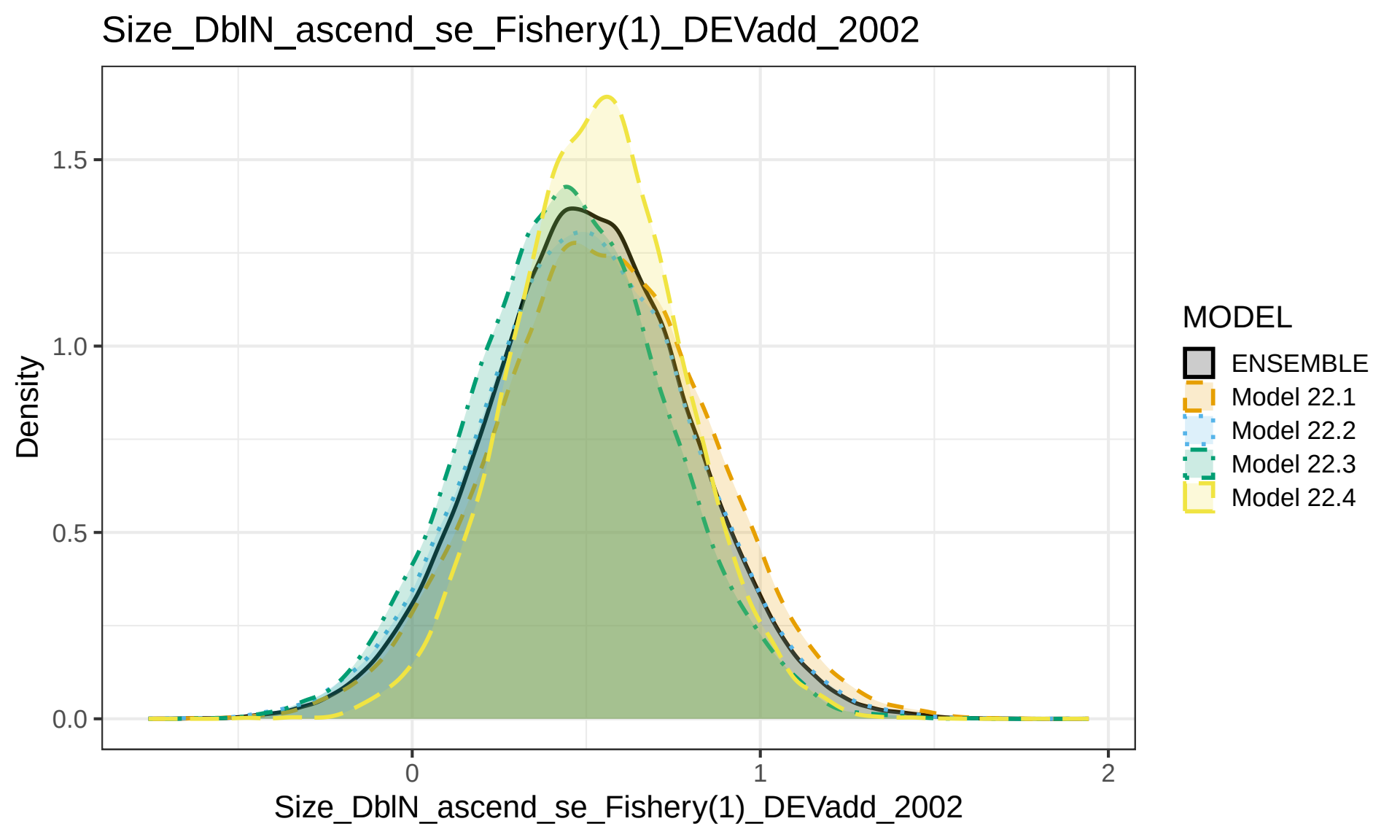

Size_DblN_ascend_se_Fishery(1)_DEVadd_1997
Density
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

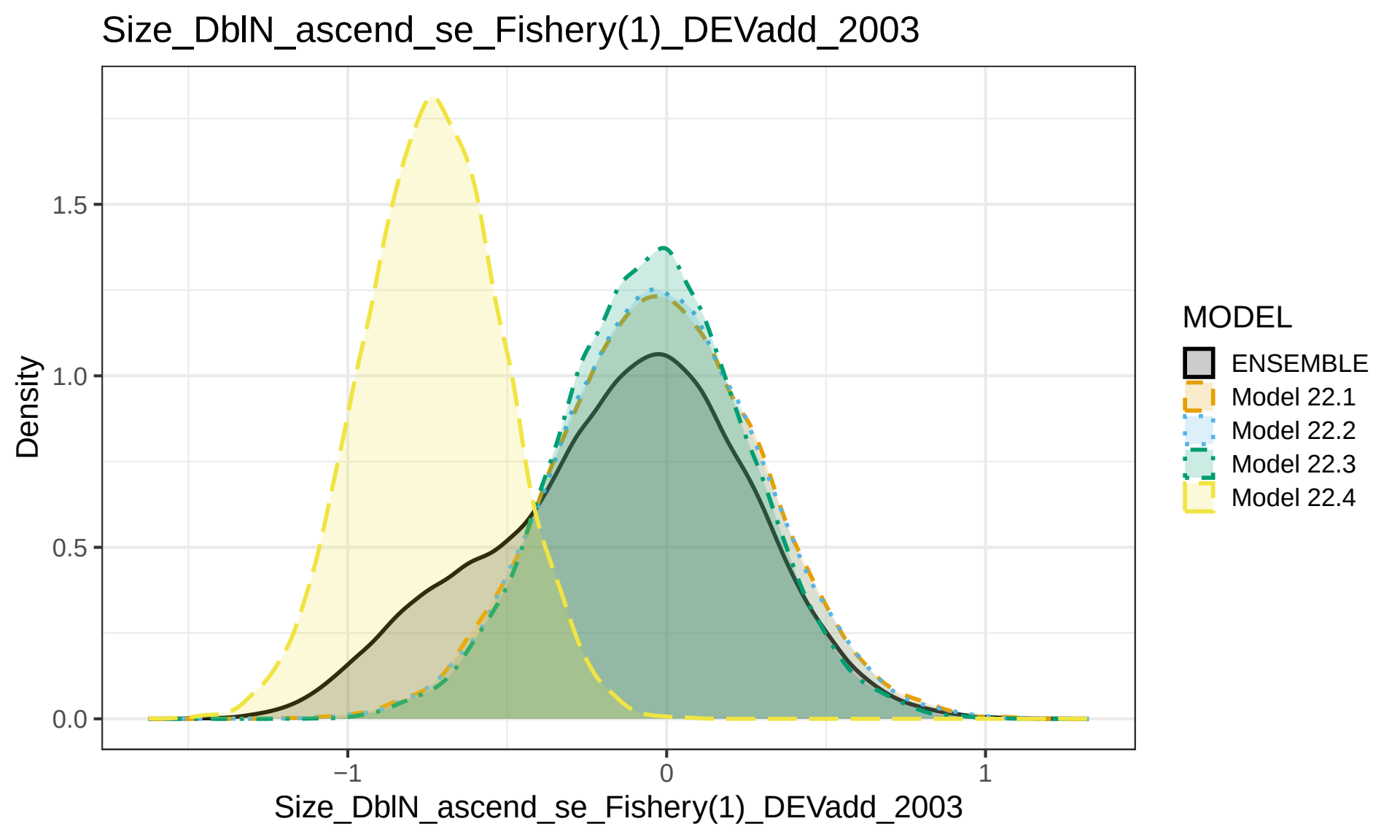

Size_DblN_ascend_se_Fishery(1)_DEVadd_1998
1.5
1.0
0.5
0.0
Density
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

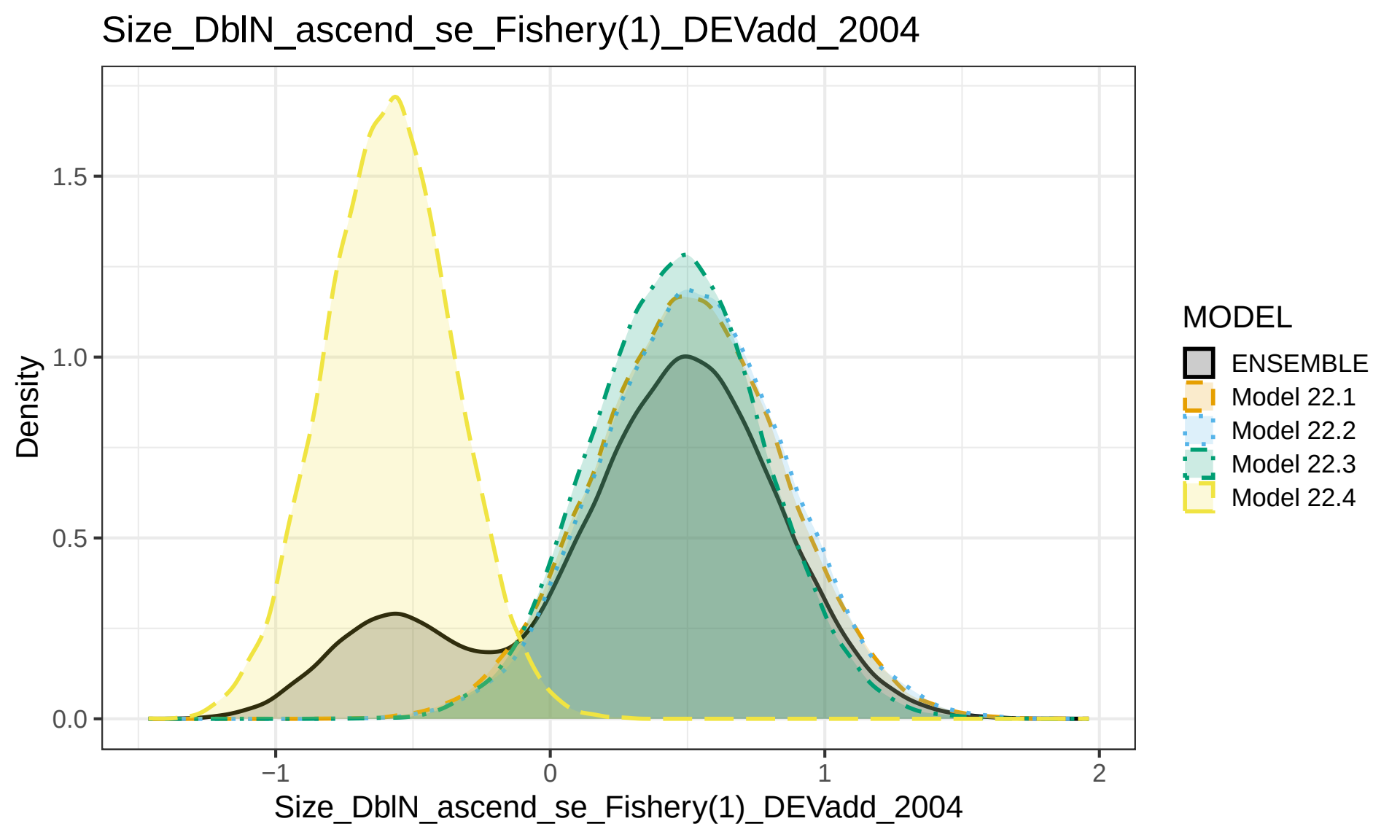

Size_DblN_ascend_se_Fishery(1)_DEVadd_1999
Density
1.5
1.0
0.5
0.0
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

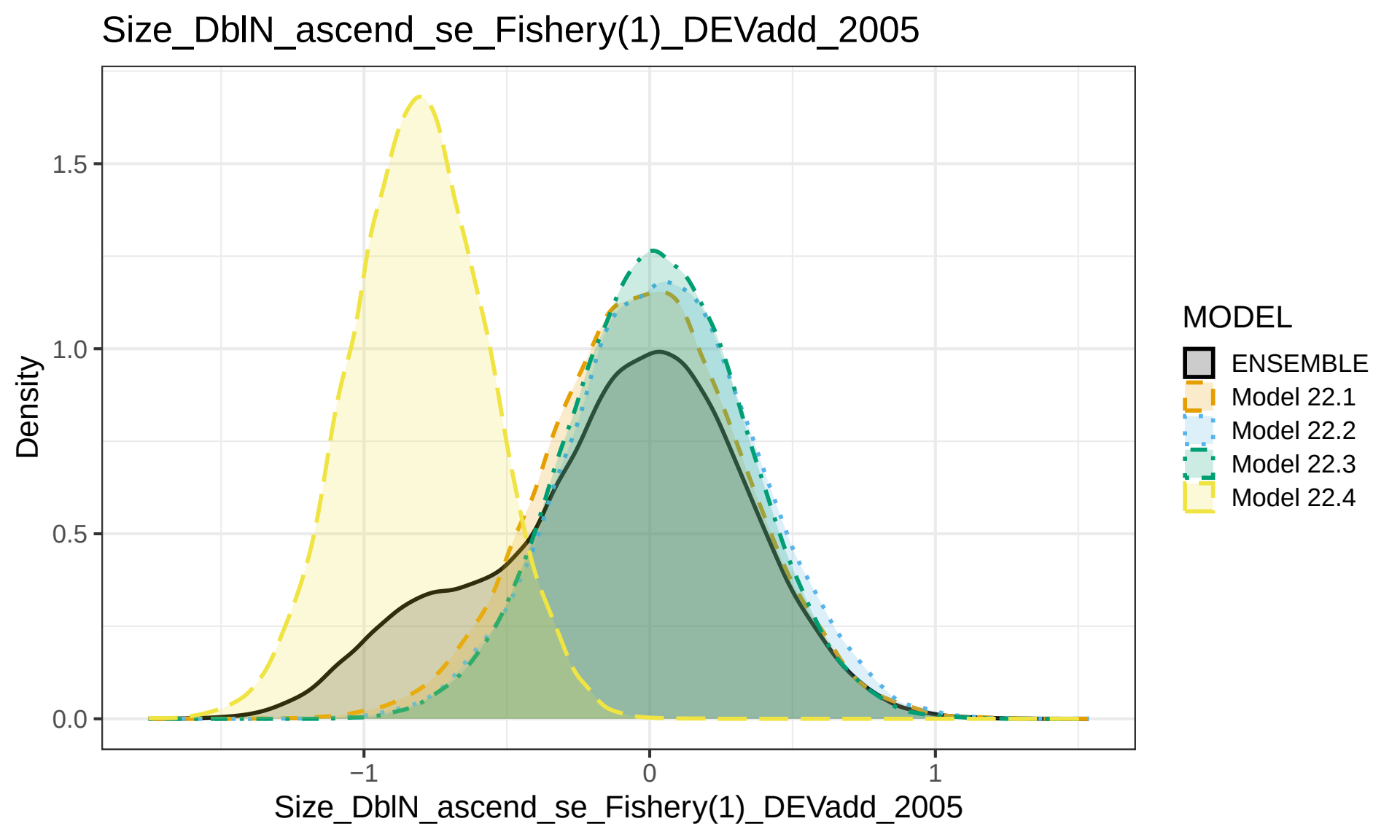

Size_DblN_ascend_se_Fishery(1)_DEVadd_2000
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

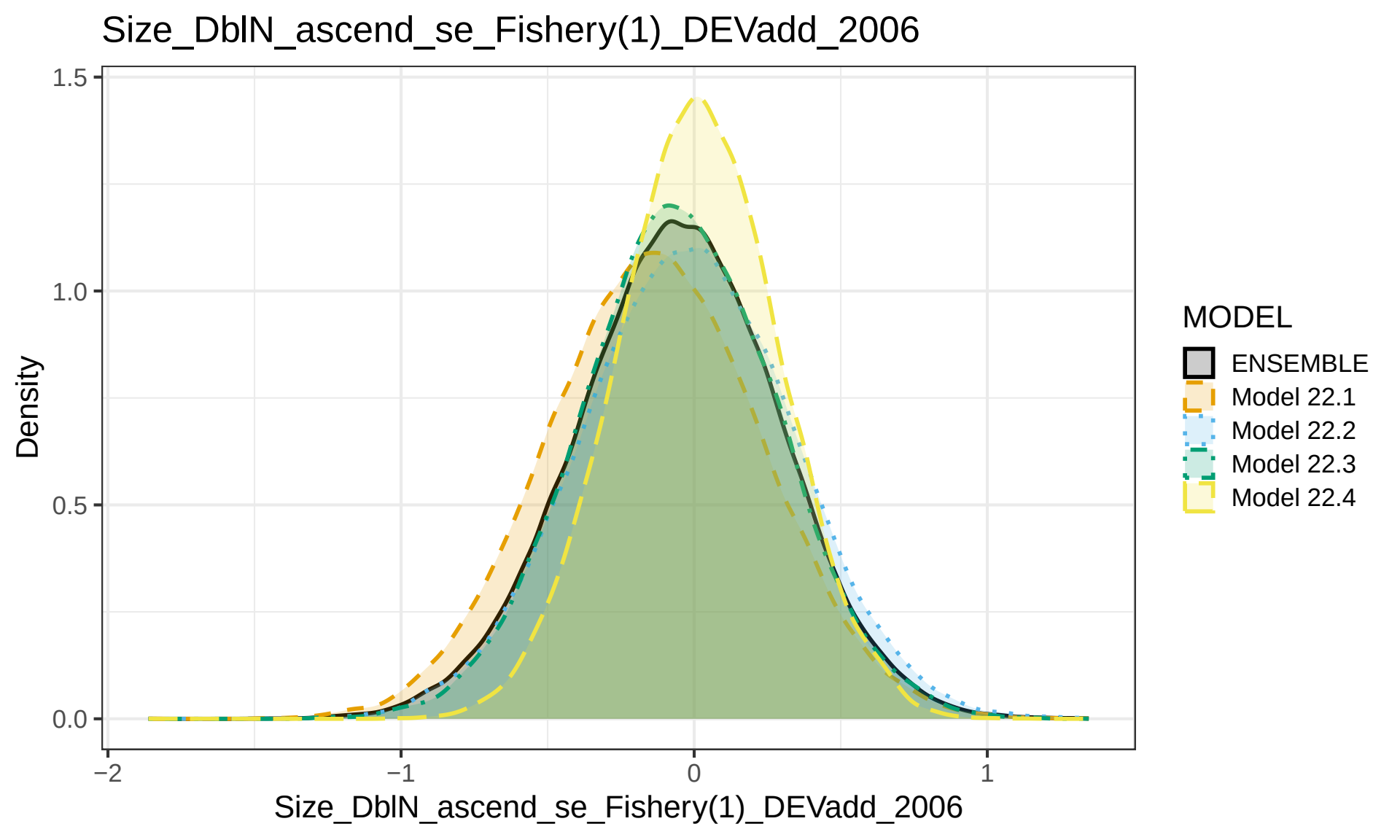

Size_DblN_ascend_se_Fishery(1)_DEVadd_2001
Density
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
Size_DblN_ascend_se_Fishery(1)_DEVadd_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

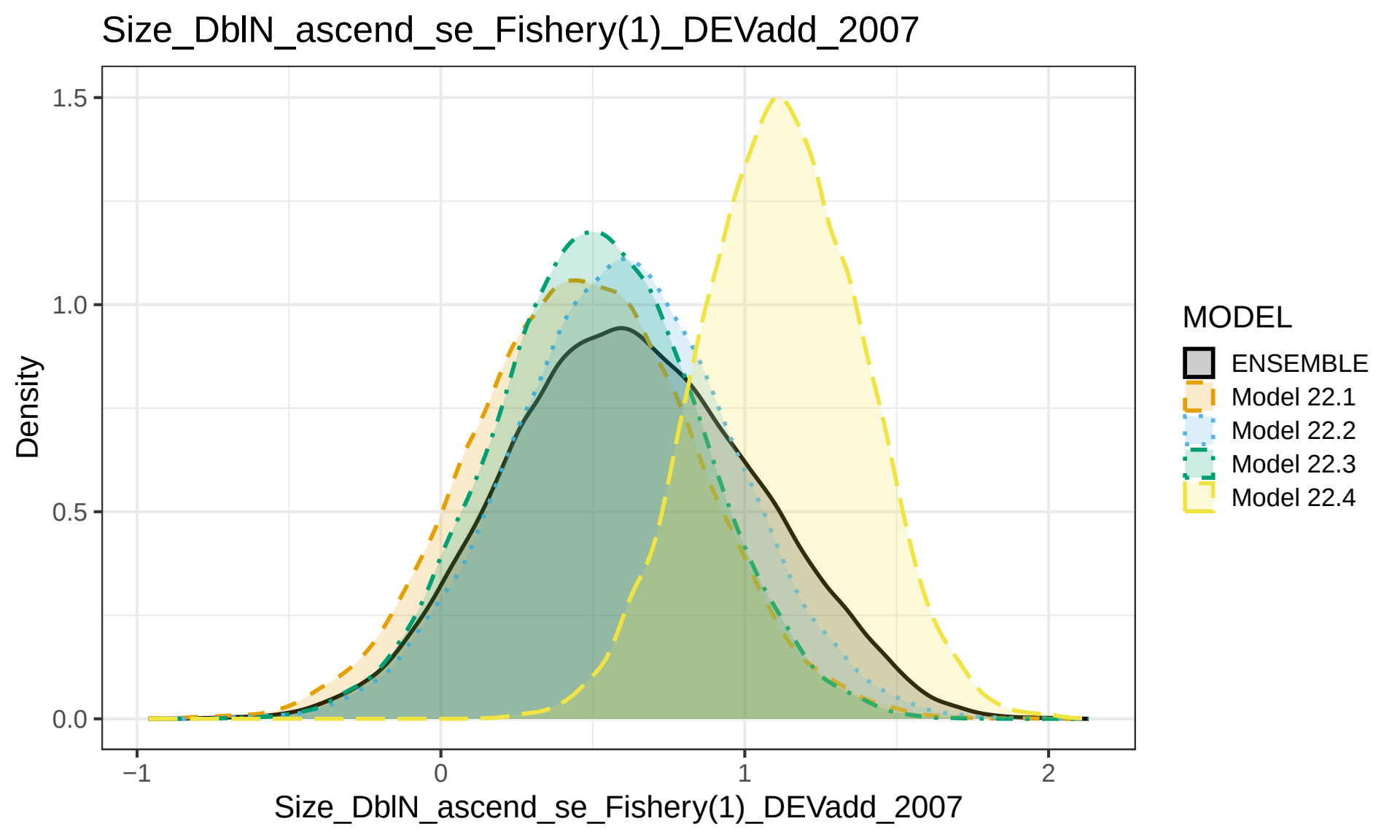

Size_DblN_ascend_se_Fishery(1)_DEVadd_2002
Density
1.5
1.0
0.5
0.0
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

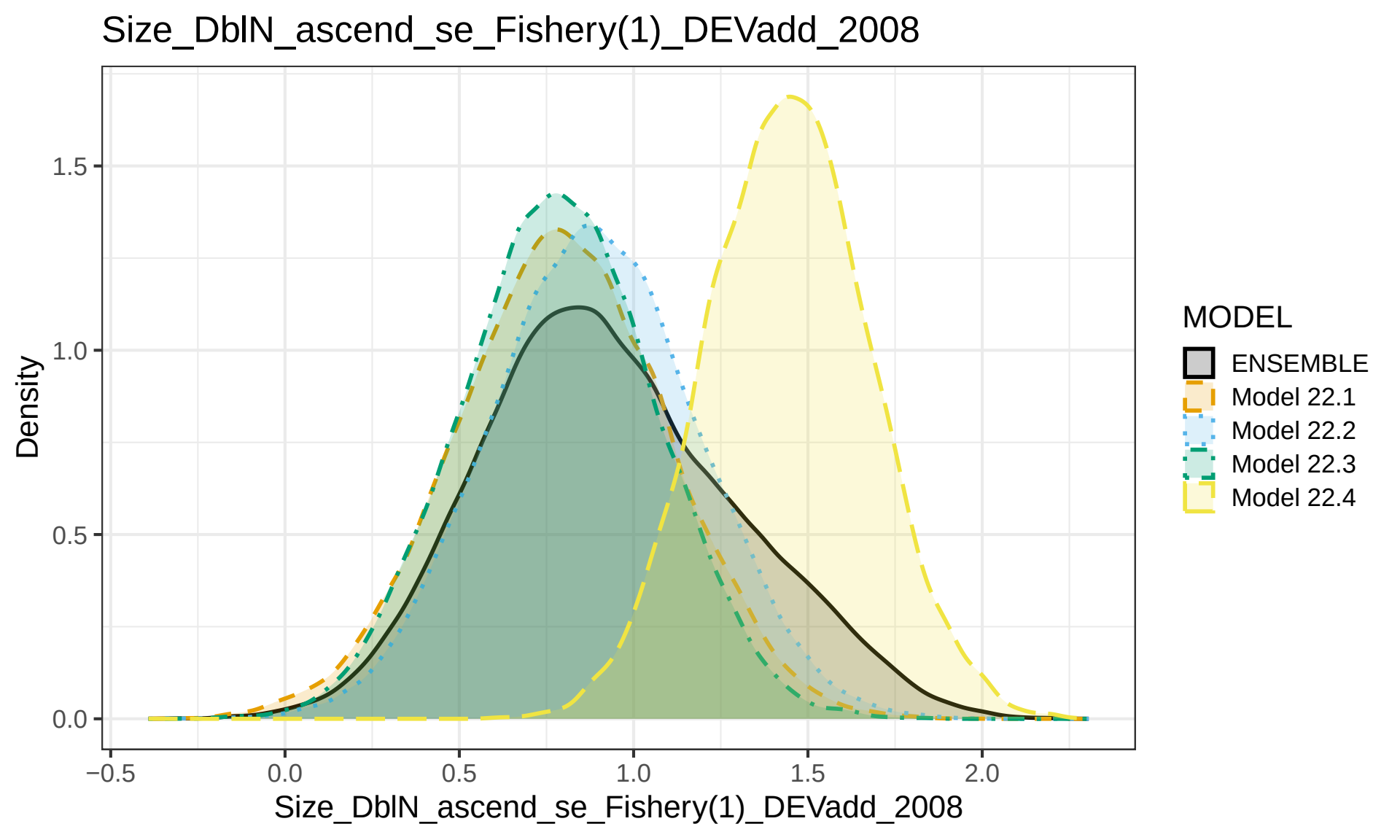

Size_DblN_ascend_se_Fishery(1)_DEVadd_2003
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

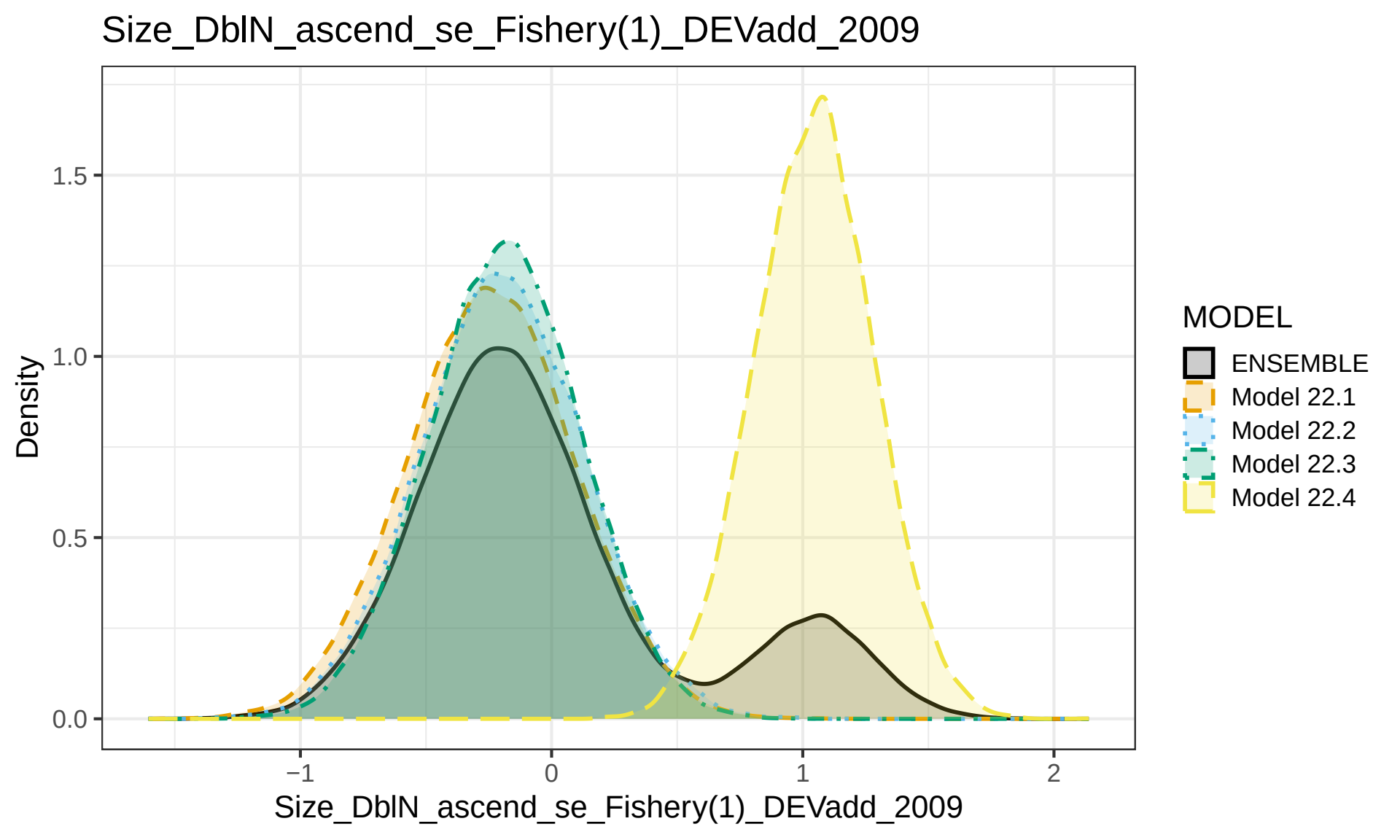

Size_DblN_ascend_se_Fishery(1)_DEVadd_2004
Density
1.5
1.0
0.5
0.0
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

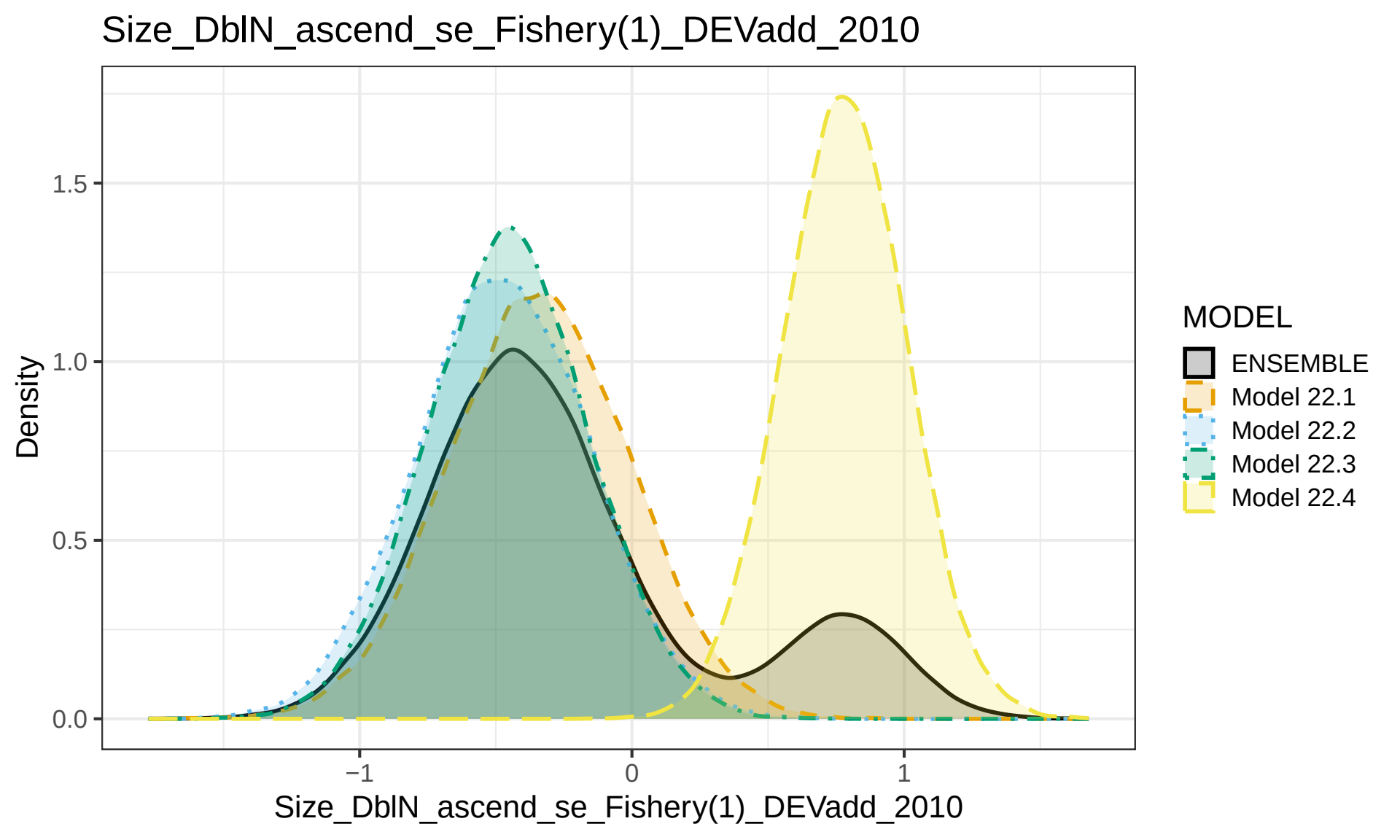

Size_DblN_ascend_se_Fishery(1)_DEVadd_2005
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

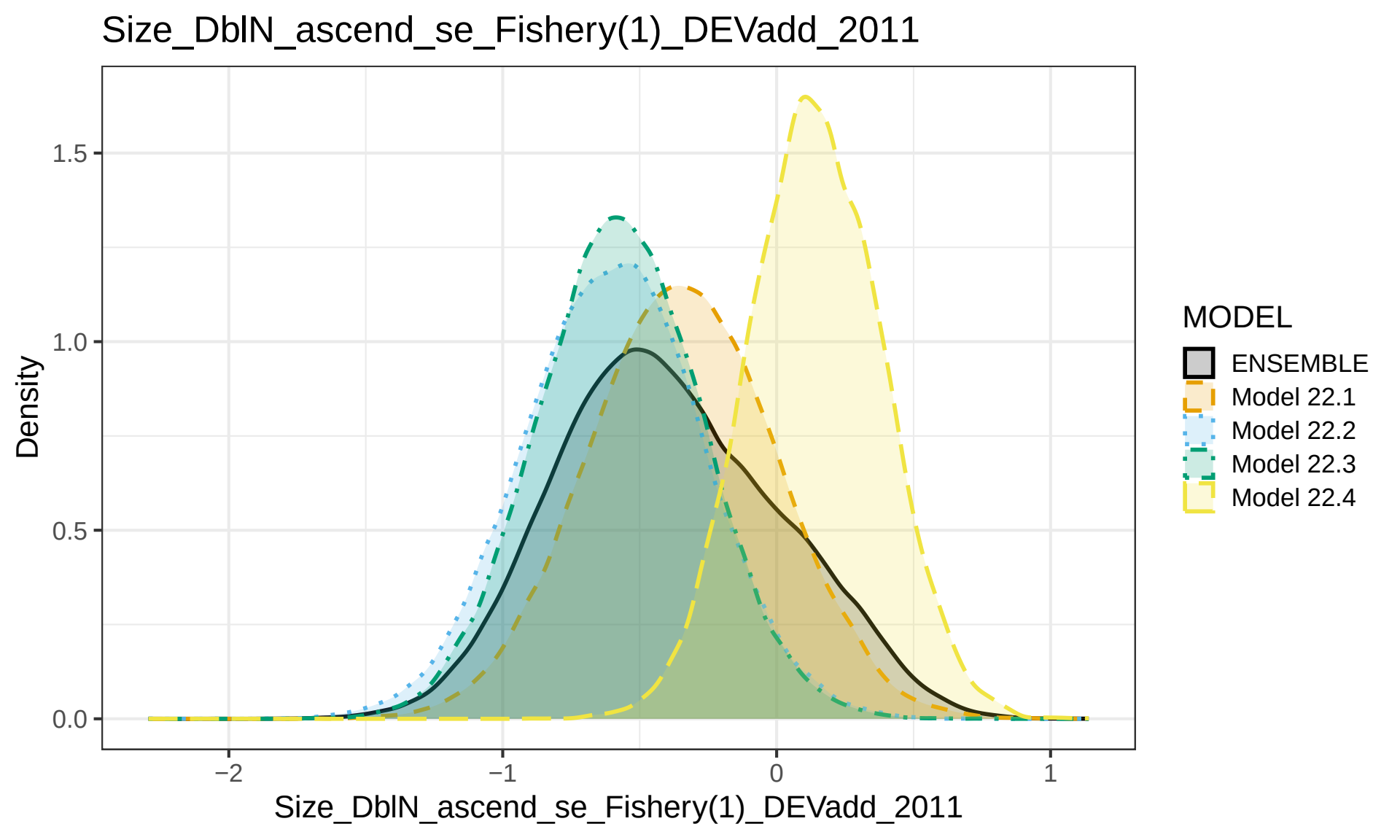

Size_DblN_ascend_se_Fishery(1)_DEVadd_2006
Density
1.5
1.0
0.5
0.0
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

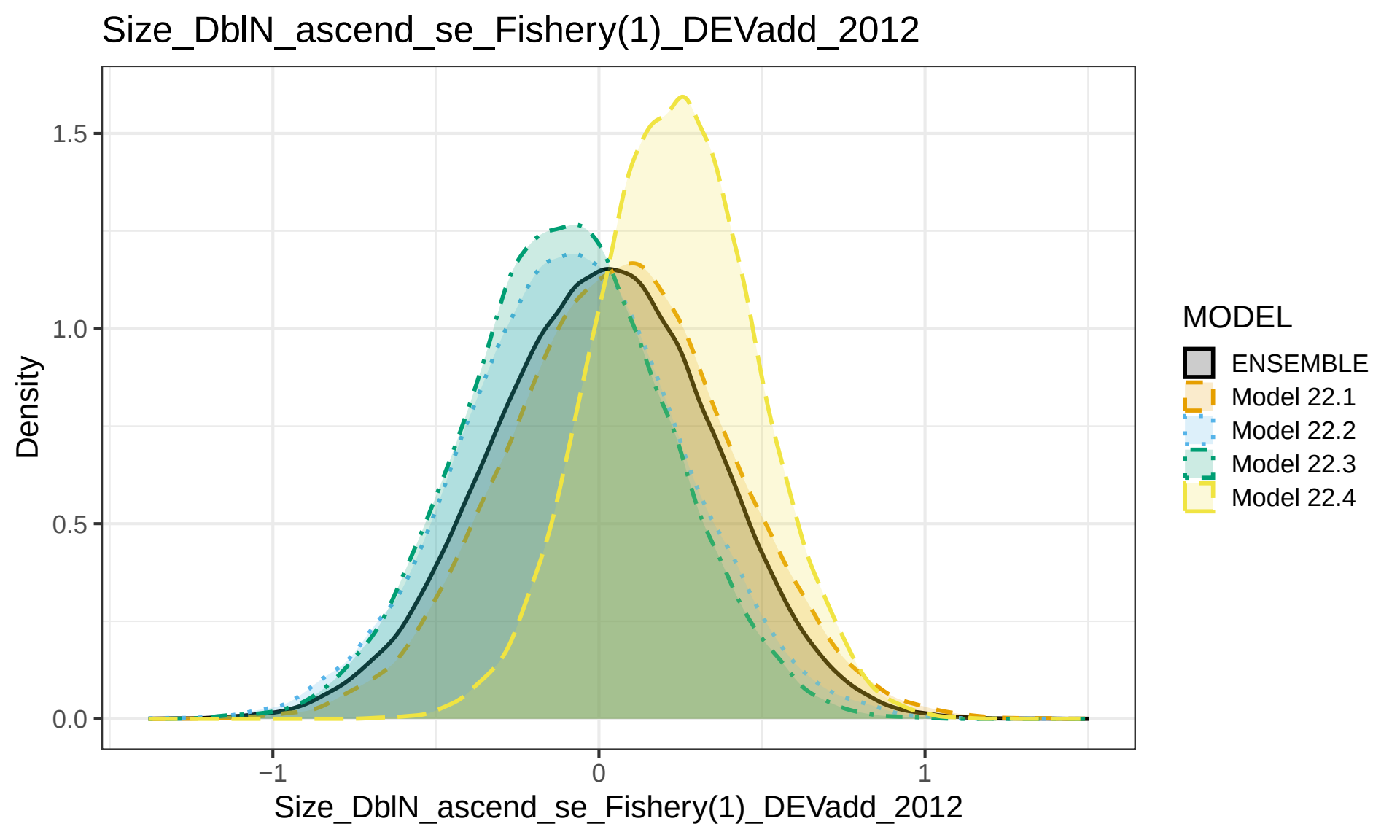

Size_DblN_ascend_se_Fishery(1)_DEVadd_2007
Density
1.5
1.0
0.5
0.0
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

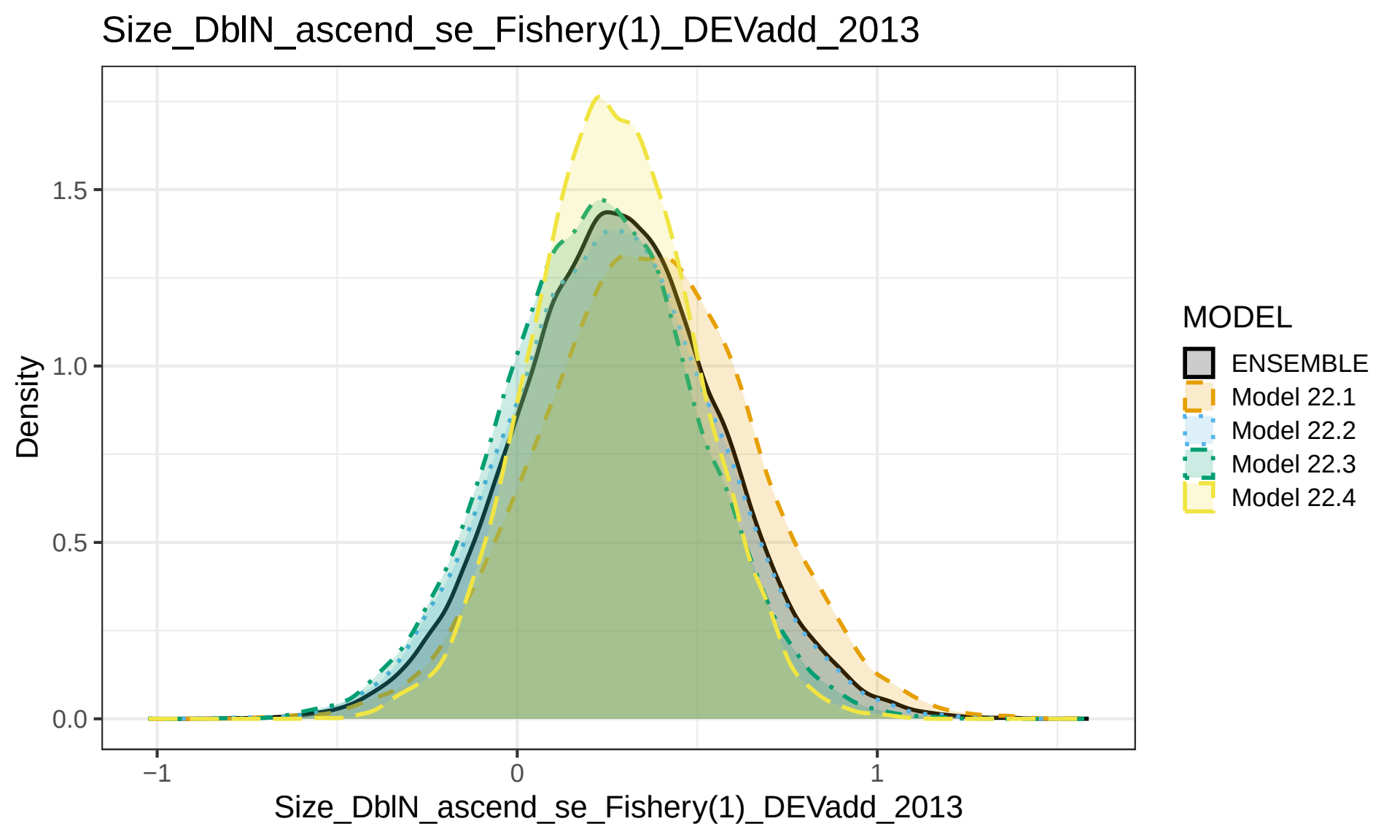

Size_DblN_ascend_se_Fishery(1)_DEVadd_2008
Density
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
1.5
2.0
Size_DblN_ascend_se_Fishery(1)_DEVadd_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

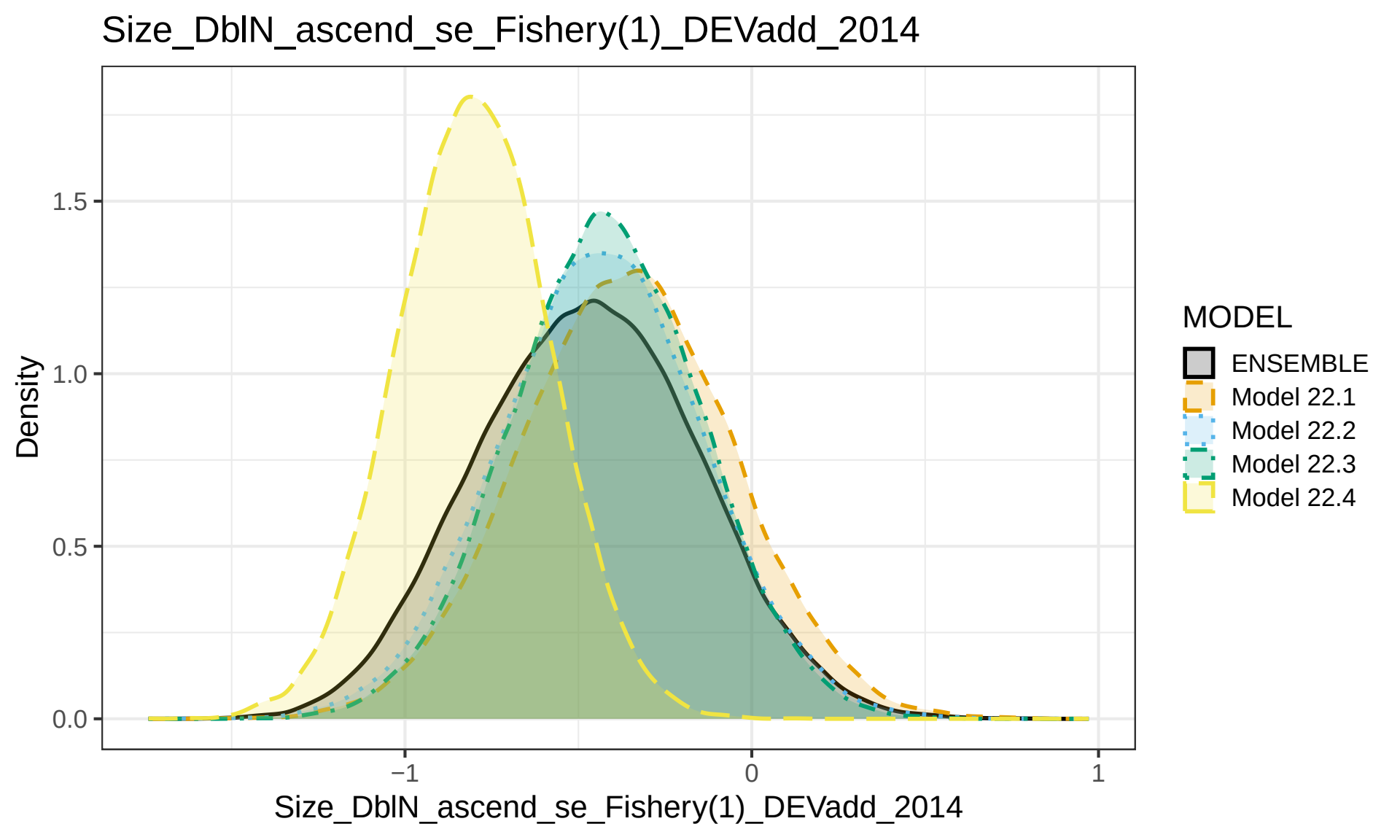

Size_DblN_ascend_se_Fishery(1)_DEVadd_2009
Density
1.5
1.0
0.5
0.0
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

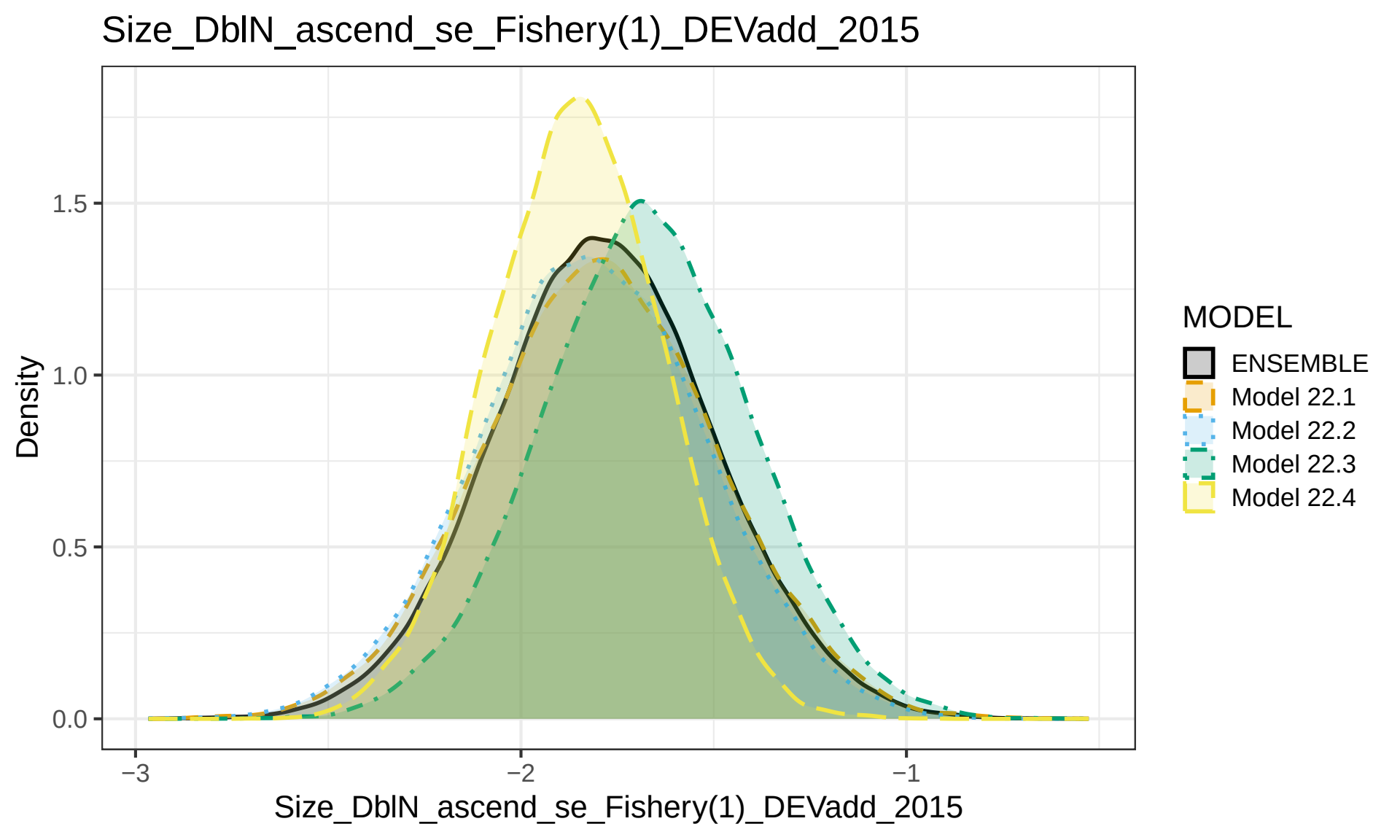

Size_DblN_ascend_se_Fishery(1)_DEVadd_2010
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

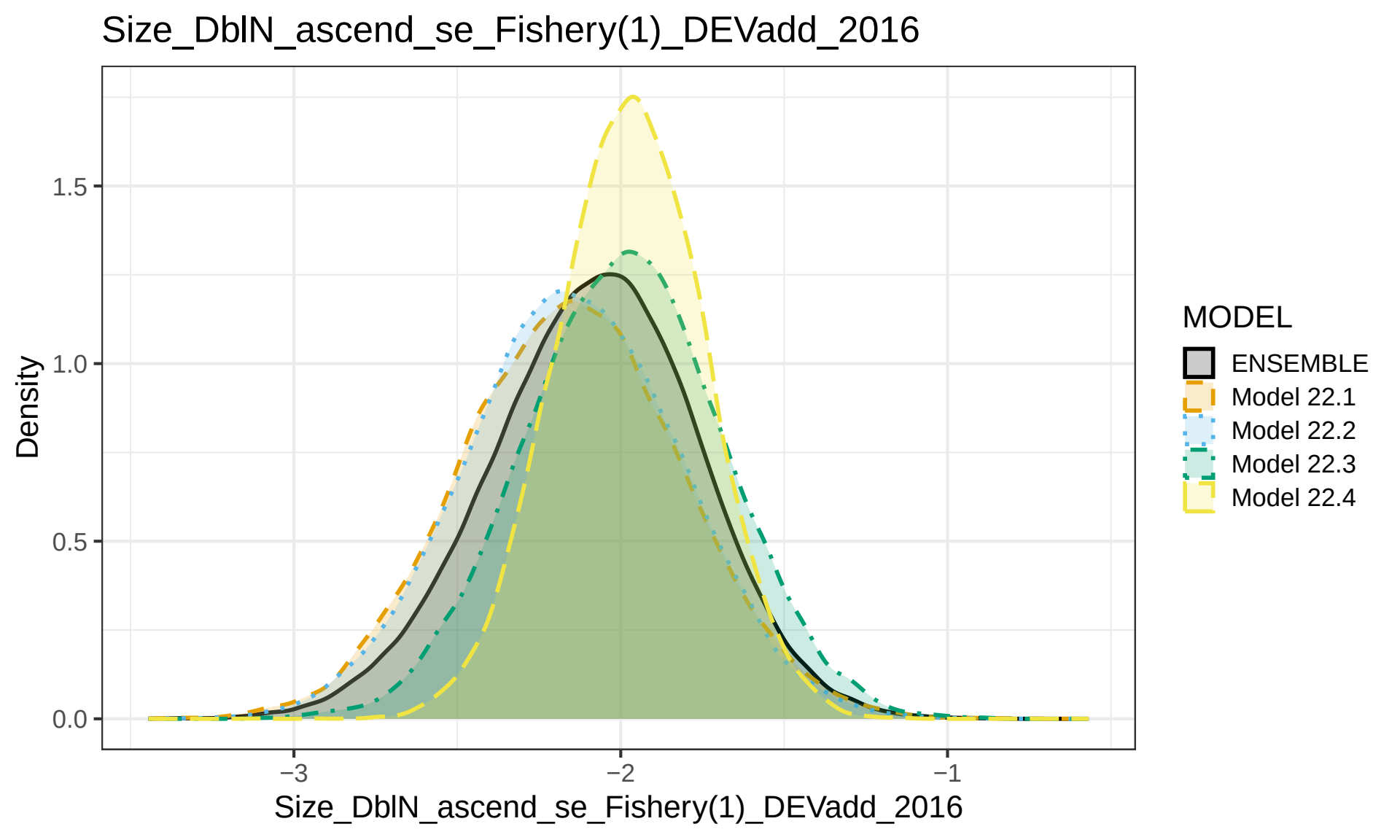

Size_DblN_ascend_se_Fishery(1)_DEVadd_2011
Density
1.5
1.0
0.5
0.0
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

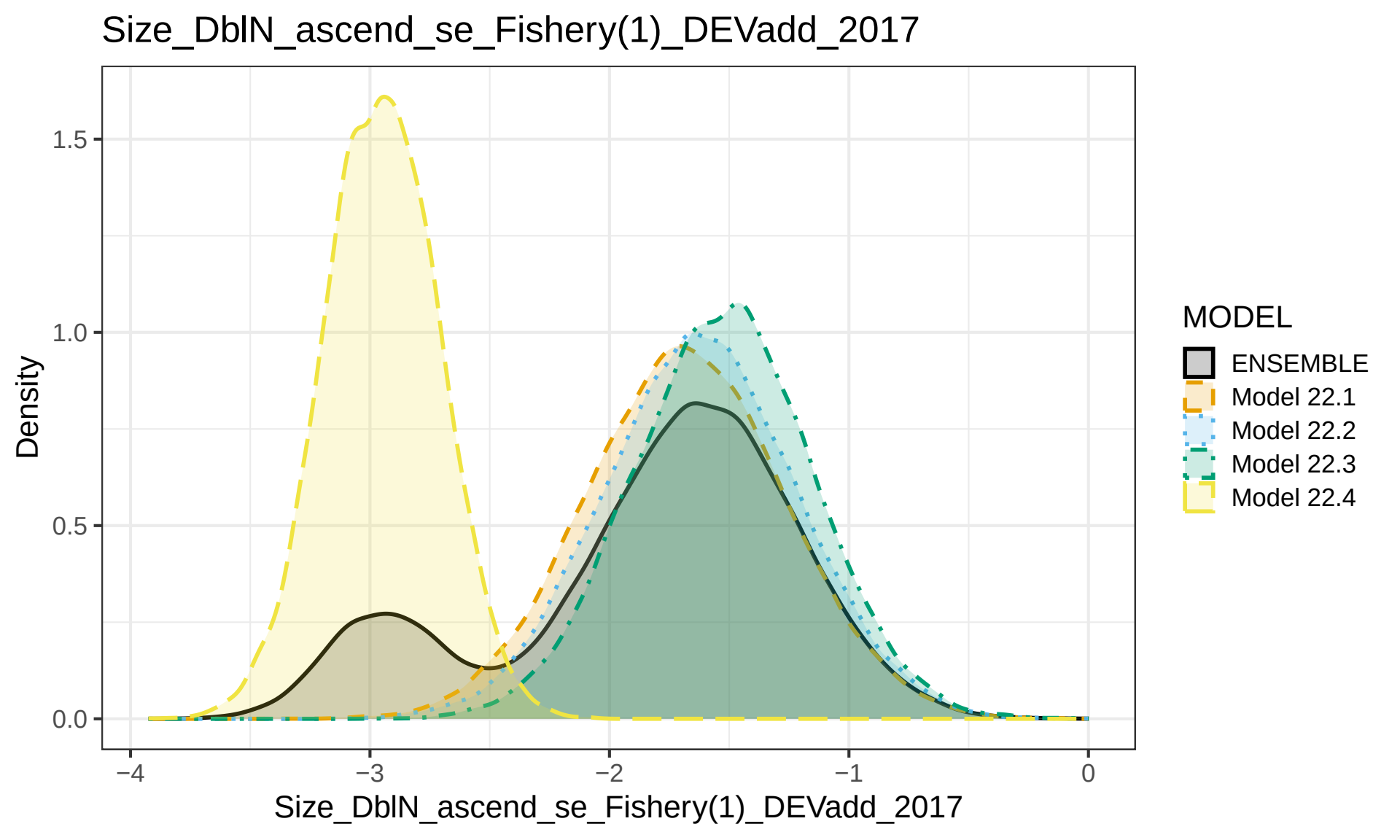

Size_DblN_ascend_se_Fishery(1)_DEVadd_2012
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

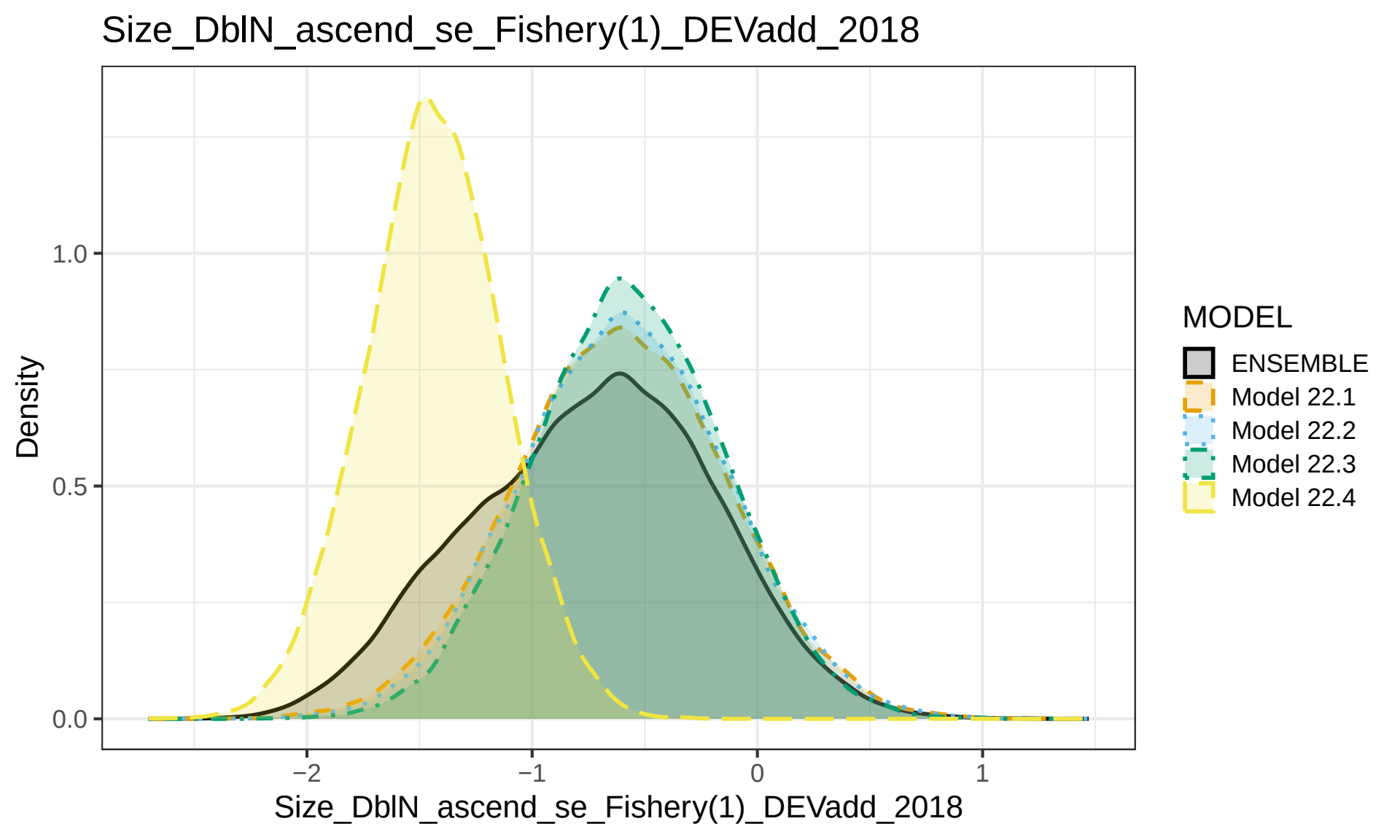

Size_DblN_ascend_se_Fishery(1)_DEVadd_2013
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

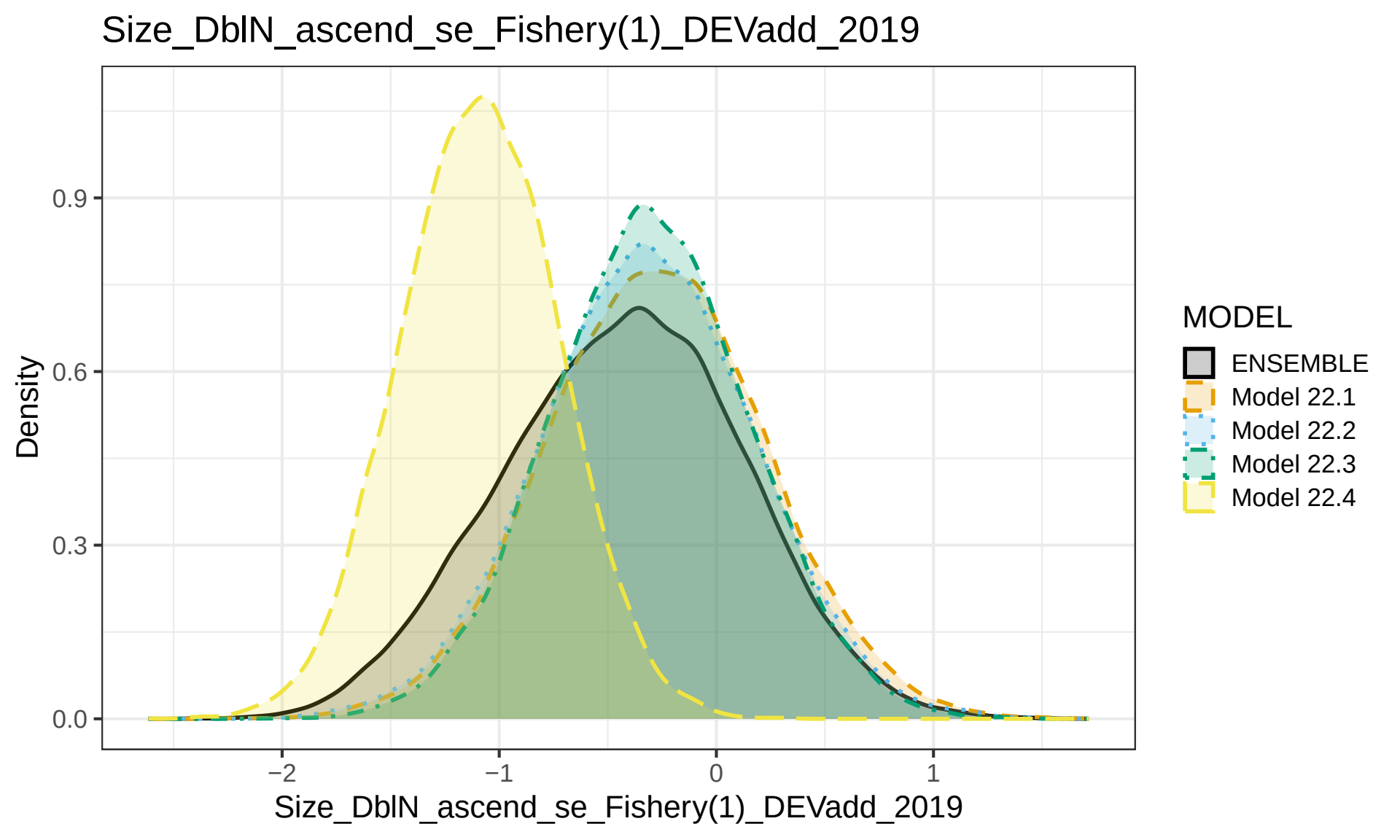

Size_DblN_ascend_se_Fishery(1)_DEVadd_2014
Density
1.5
1.0
0.5
0.0
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

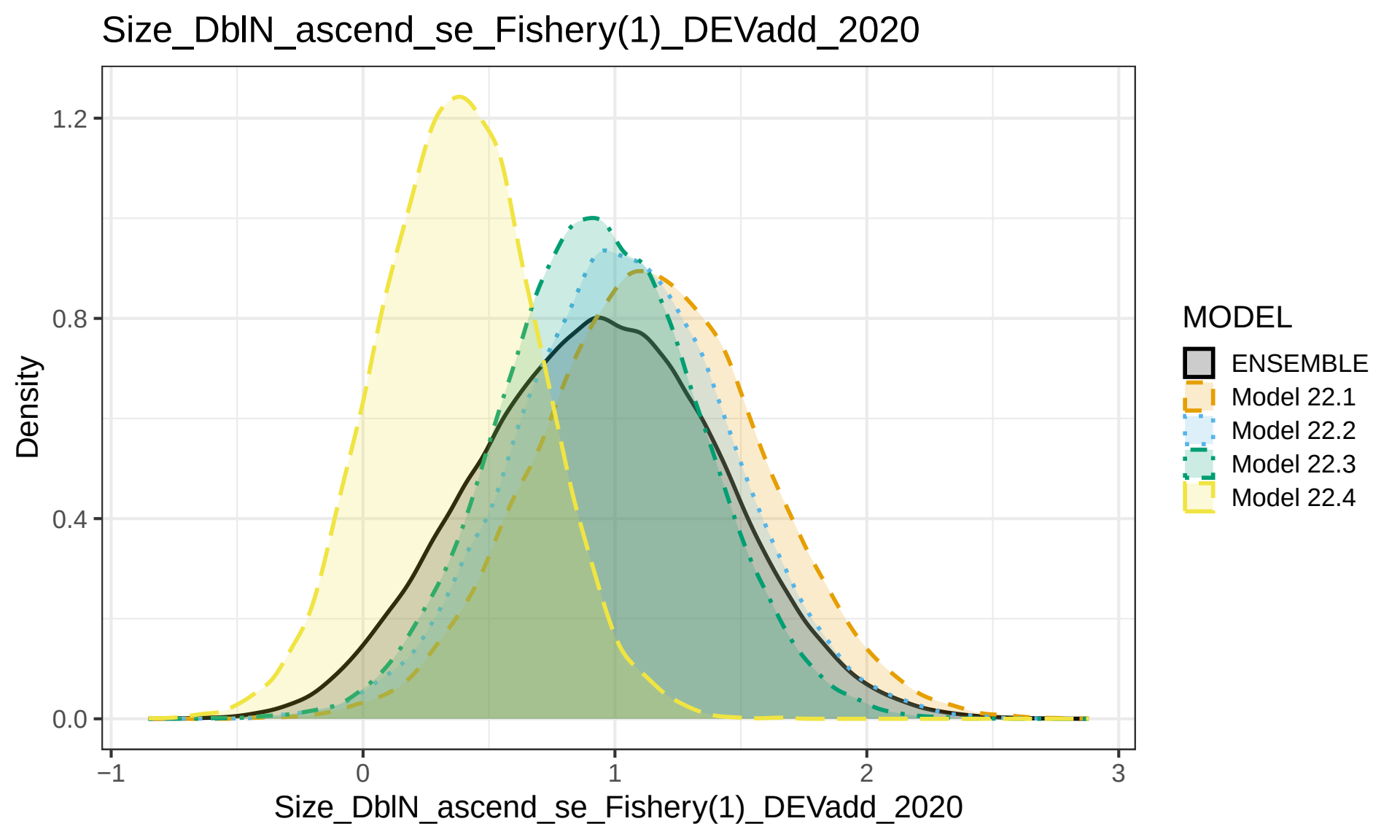

Size_DblN_ascend_se_Fishery(1)_DEVadd_2015
Density
1.5
1.0
0.5
0.0
−3
−2
−1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

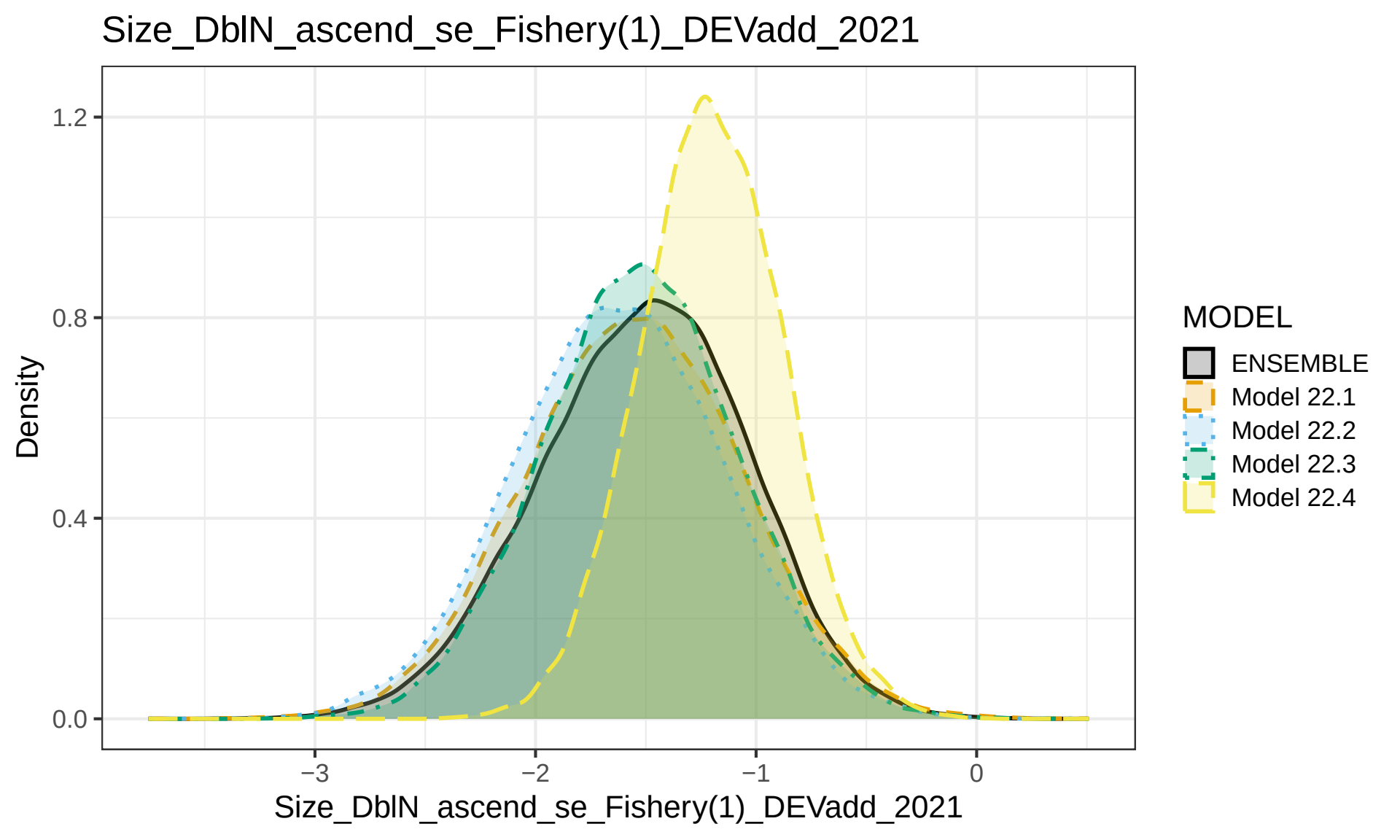

Size_DblN_ascend_se_Fishery(1)_DEVadd_2016
Density
1.5
1.0
0.5
0.0
−3
−2
−1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

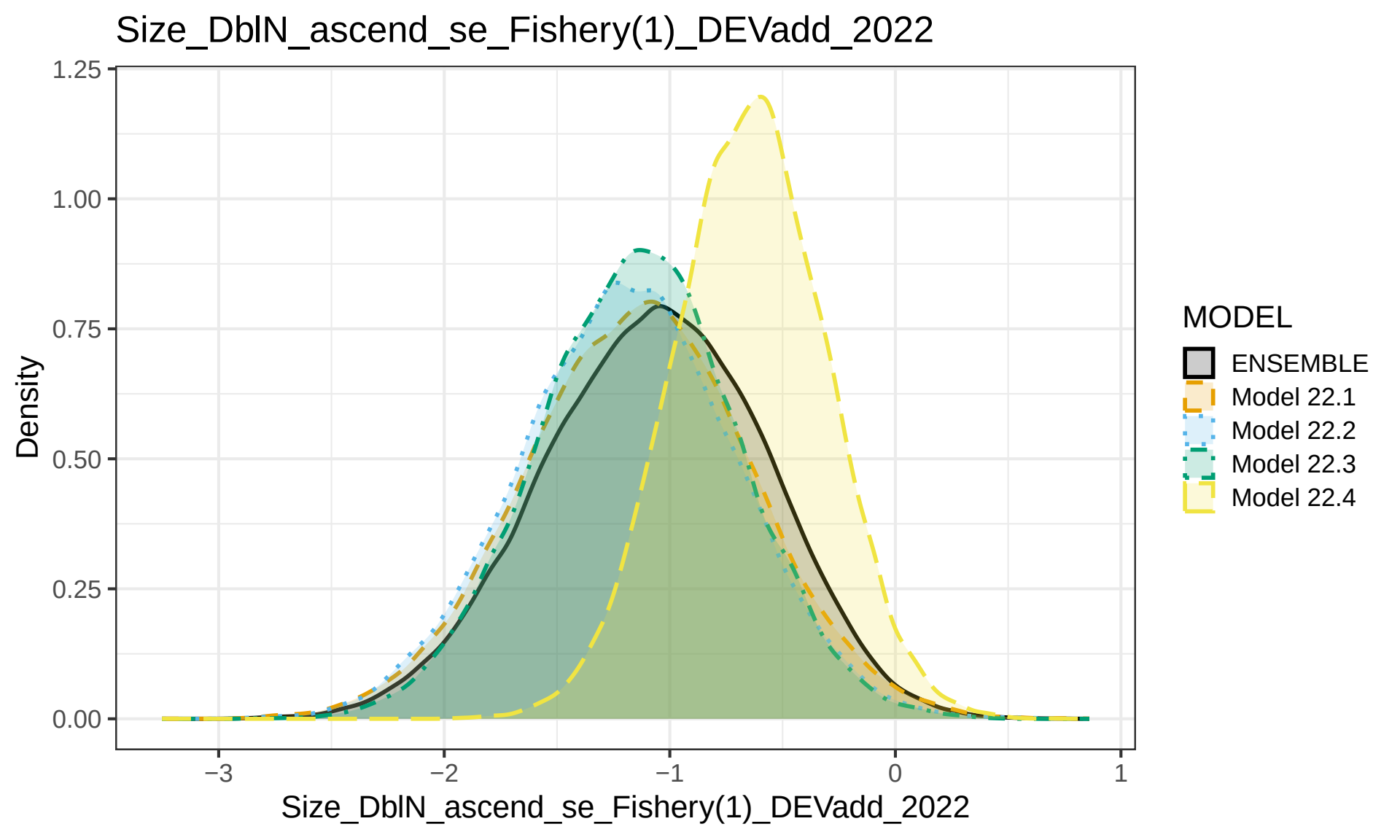

Size_DblN_ascend_se_Fishery(1)_DEVadd_2017
Density
1.5
1.0
0.5
0.0
−4
−3
−2
−1
0
Size_DblN_ascend_se_Fishery(1)_DEVadd_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

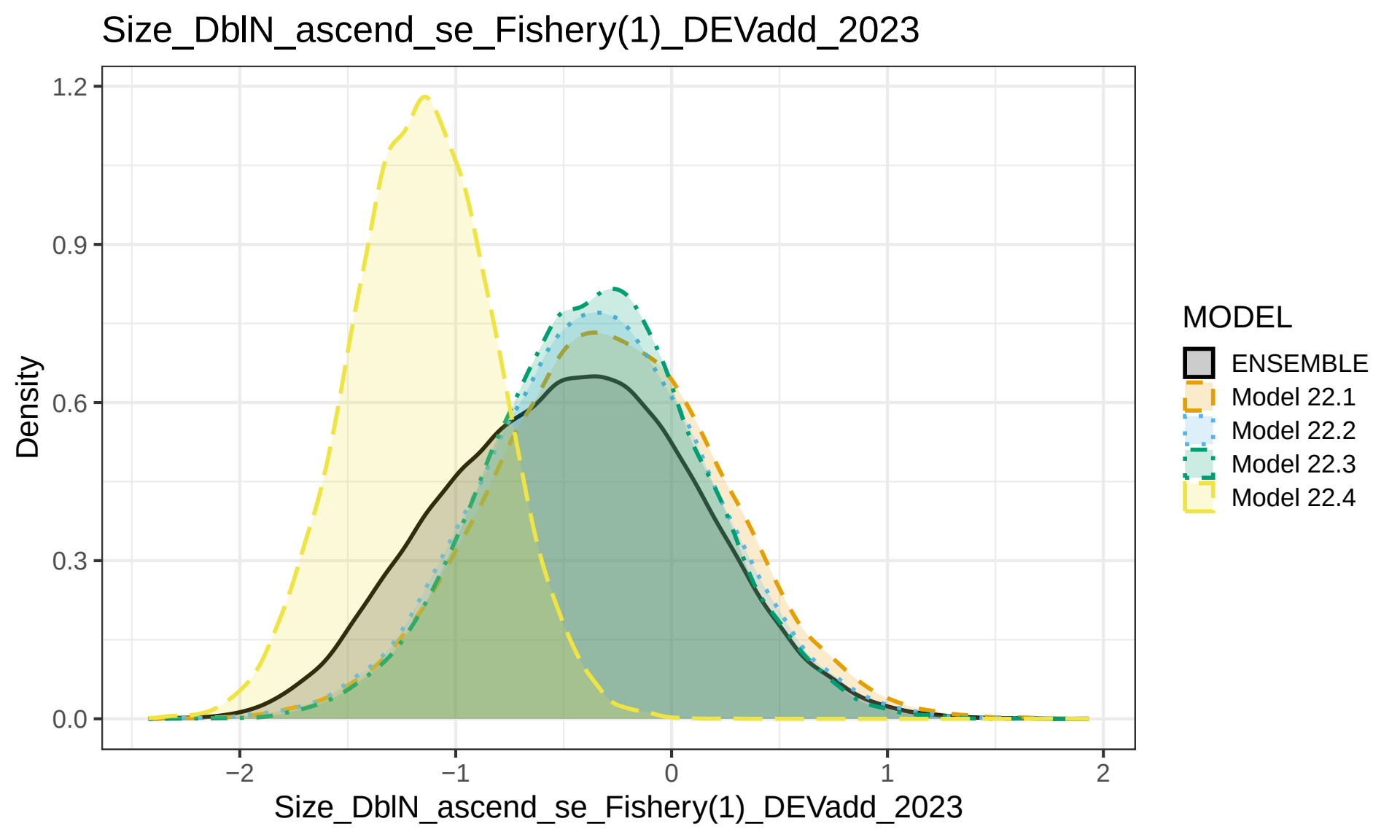

Size_DblN_ascend_se_Fishery(1)_DEVadd_2018
Density
1.0
0.5
0.0
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

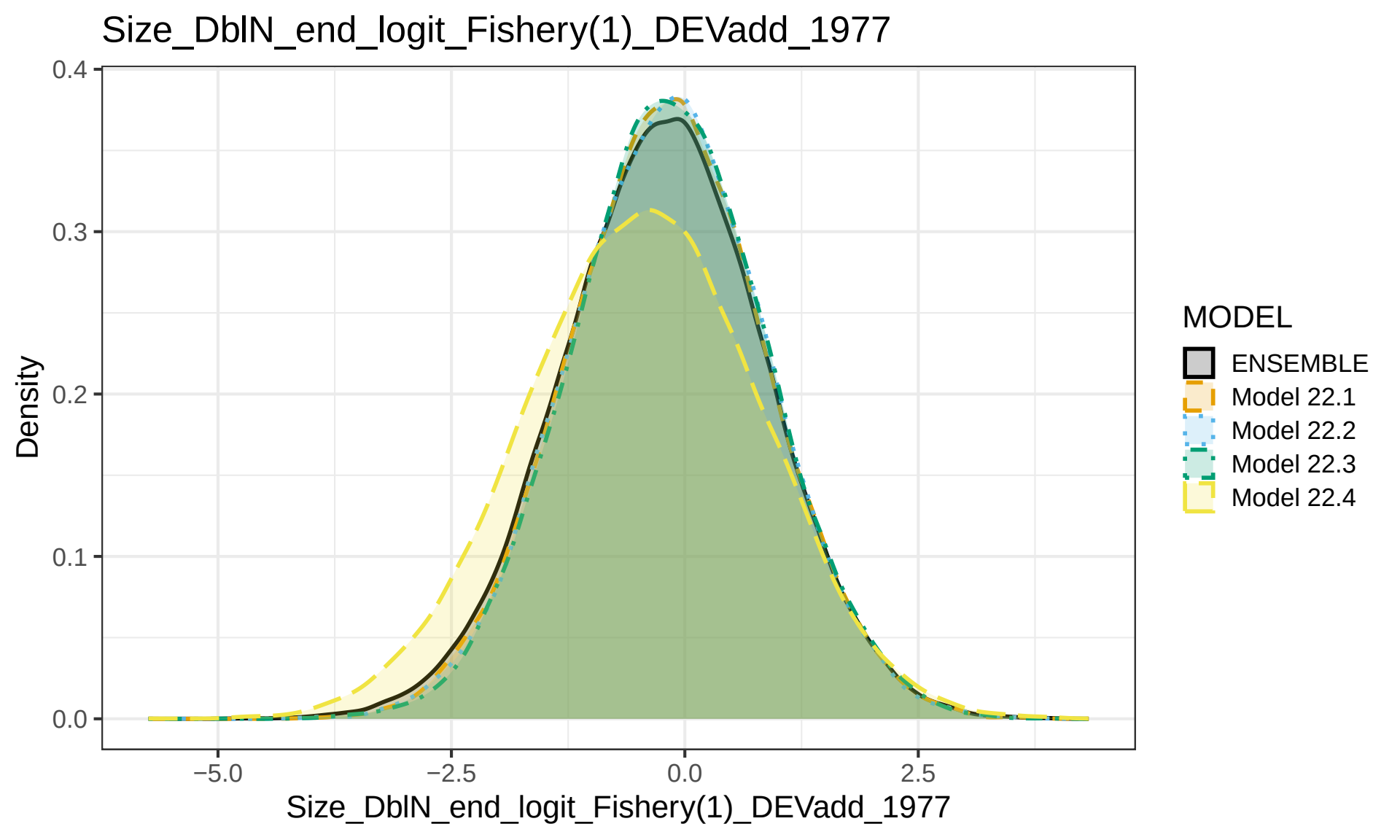

Size_DblN_ascend_se_Fishery(1)_DEVadd_2019
Density
0.0
0.3
0.6
0.9
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

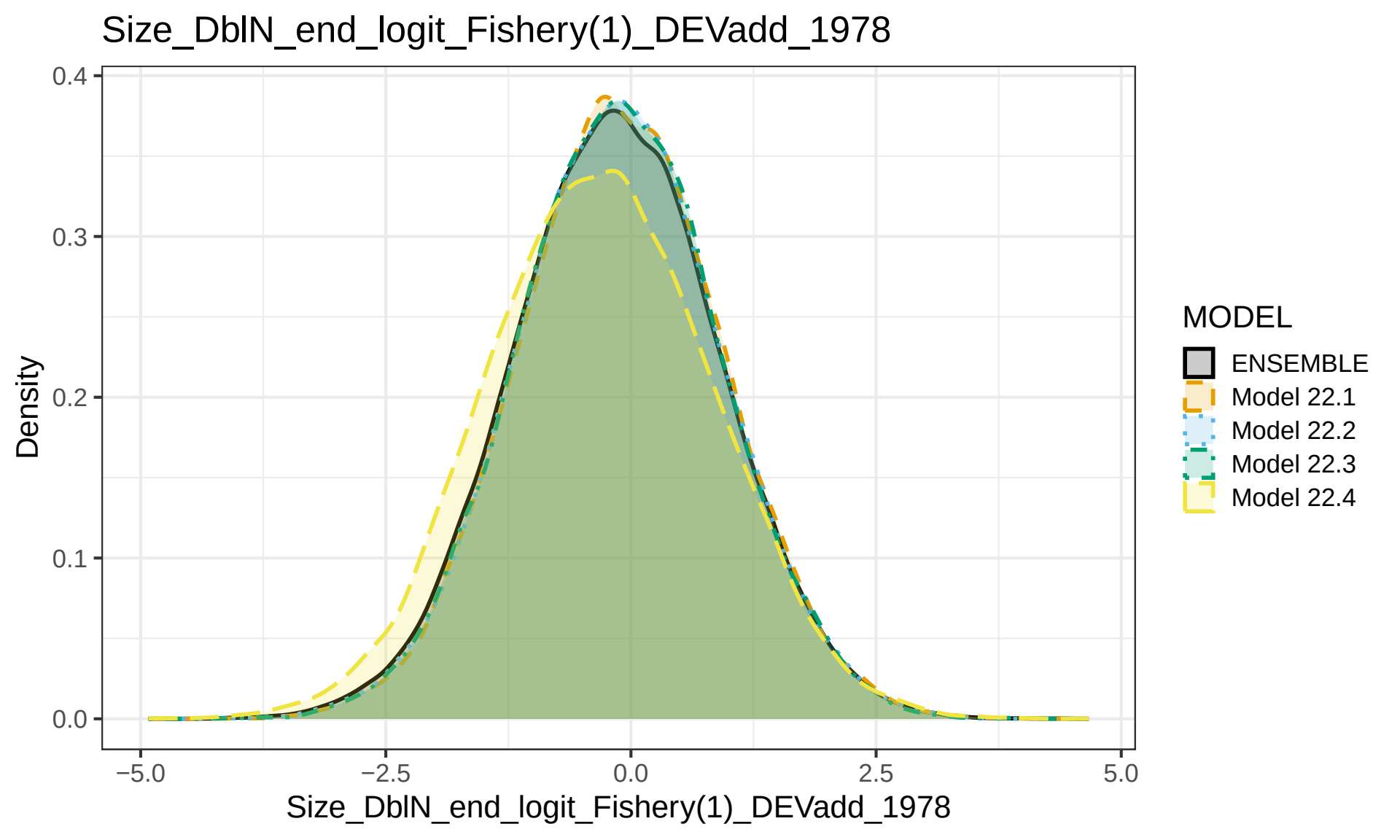

Size_DblN_ascend_se_Fishery(1)_DEVadd_2020
Density
1.2
0.8
0.4
0.0
−1
0
1
2
3
Size_DblN_ascend_se_Fishery(1)_DEVadd_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

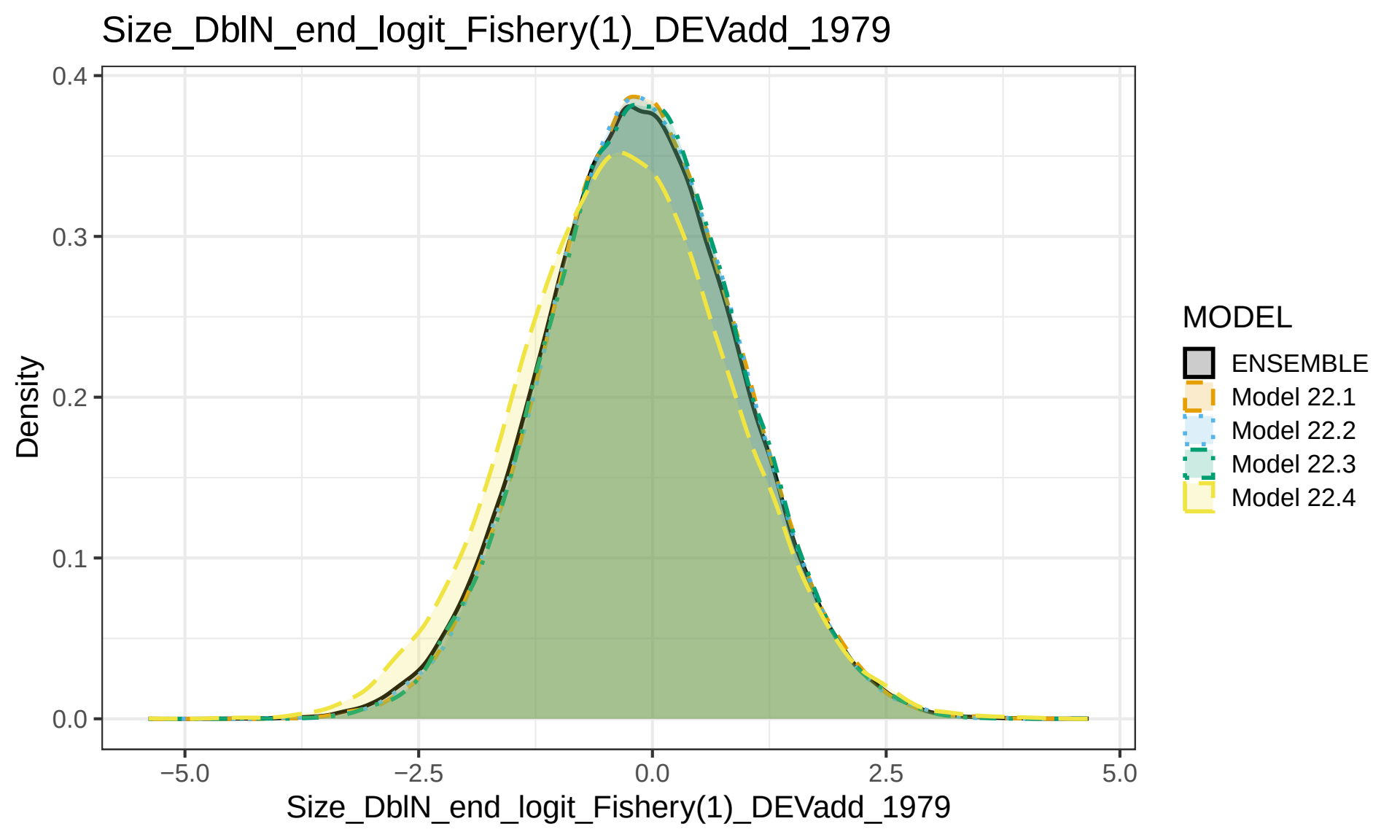

Size_DblN_ascend_se_Fishery(1)_DEVadd_2021
Density
1.2
0.8
0.4
0.0
−3
−2
−1
0
Size_DblN_ascend_se_Fishery(1)_DEVadd_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

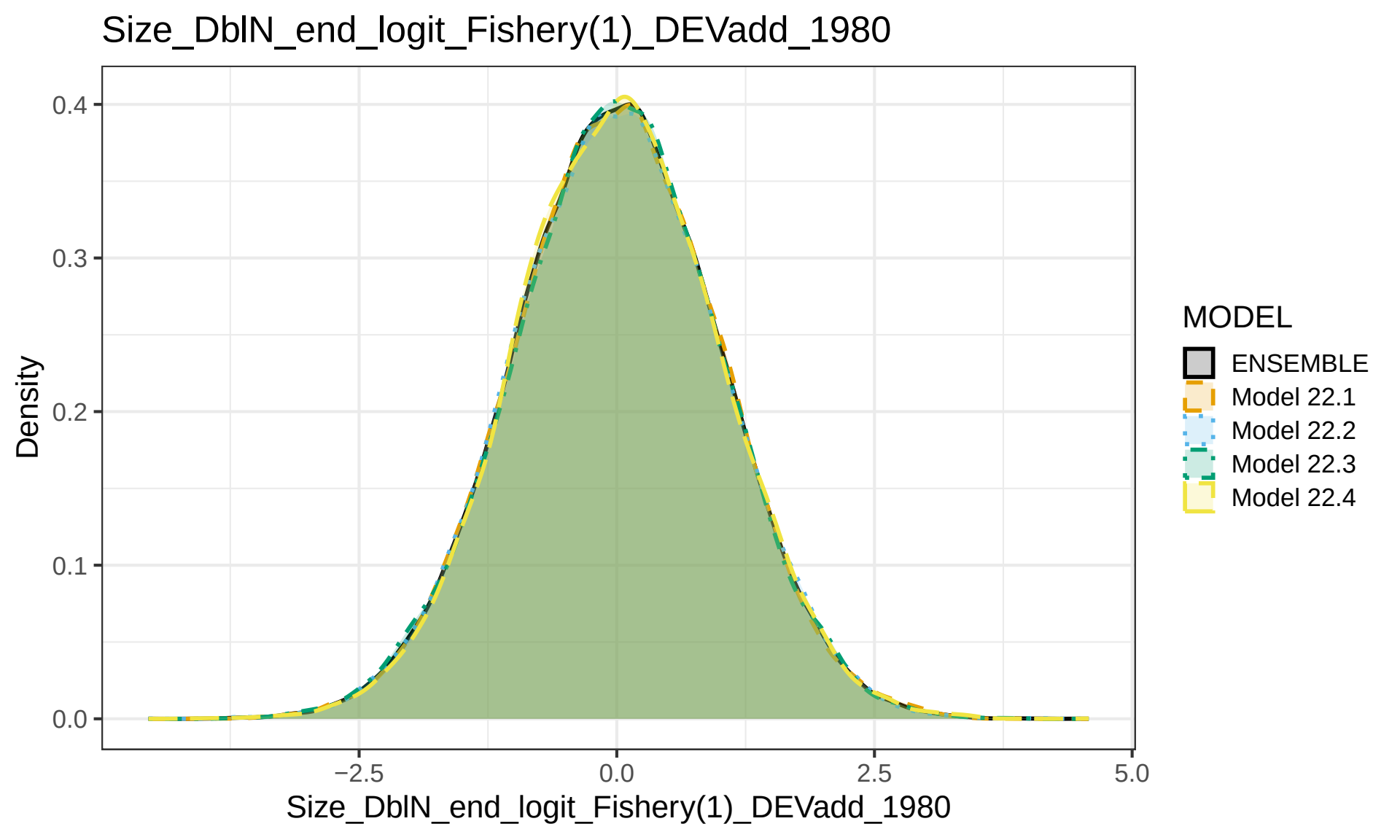

Size_DblN_ascend_se_Fishery(1)_DEVadd_2022
1.25
1.00
0.75
0.50
0.25
0.00
Density
−3
−2
−1
0
1
Size_DblN_ascend_se_Fishery(1)_DEVadd_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

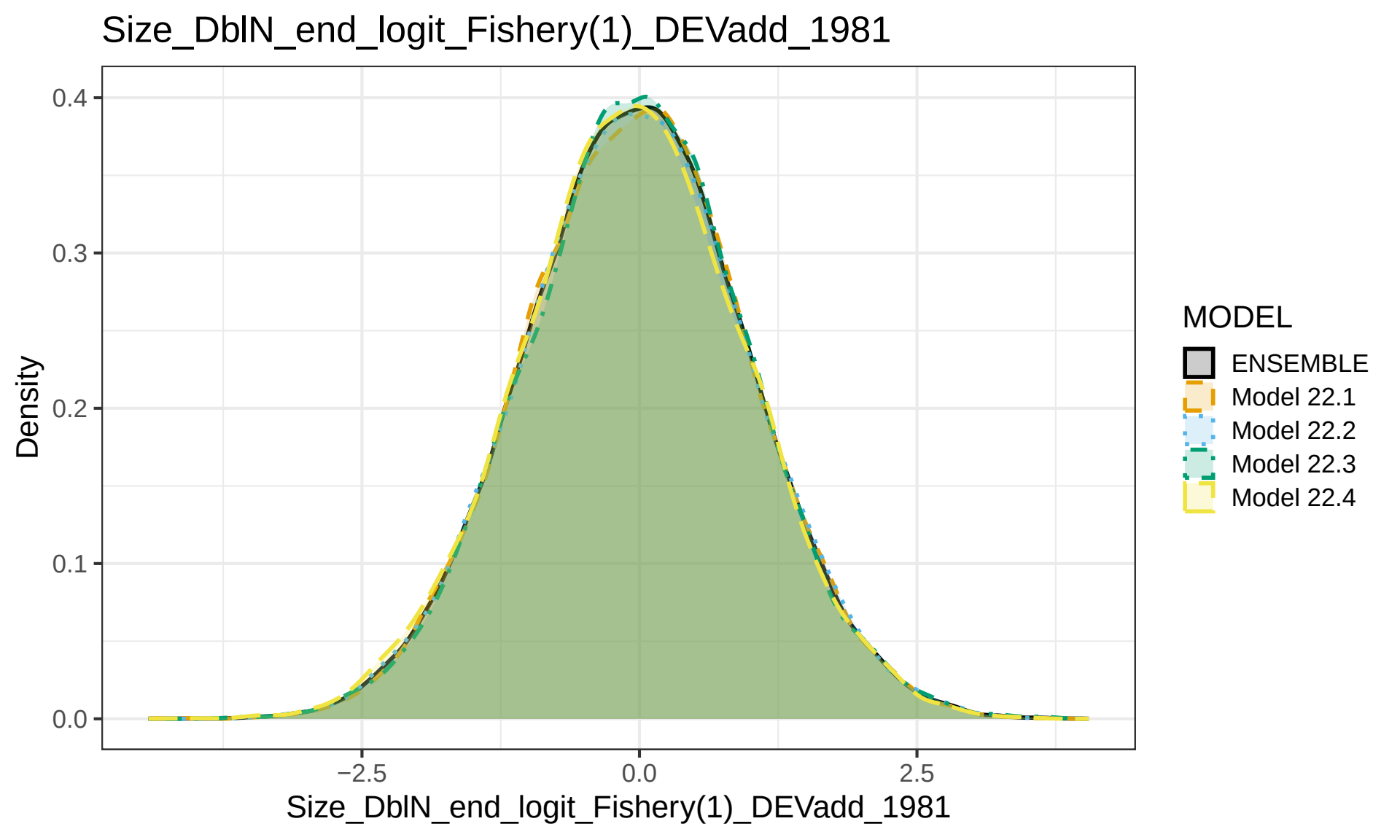

Size_DblN_ascend_se_Fishery(1)_DEVadd_2023
Density
1.2
0.9
0.6
0.3
0.0
−2
−1
0
1
2
Size_DblN_ascend_se_Fishery(1)_DEVadd_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

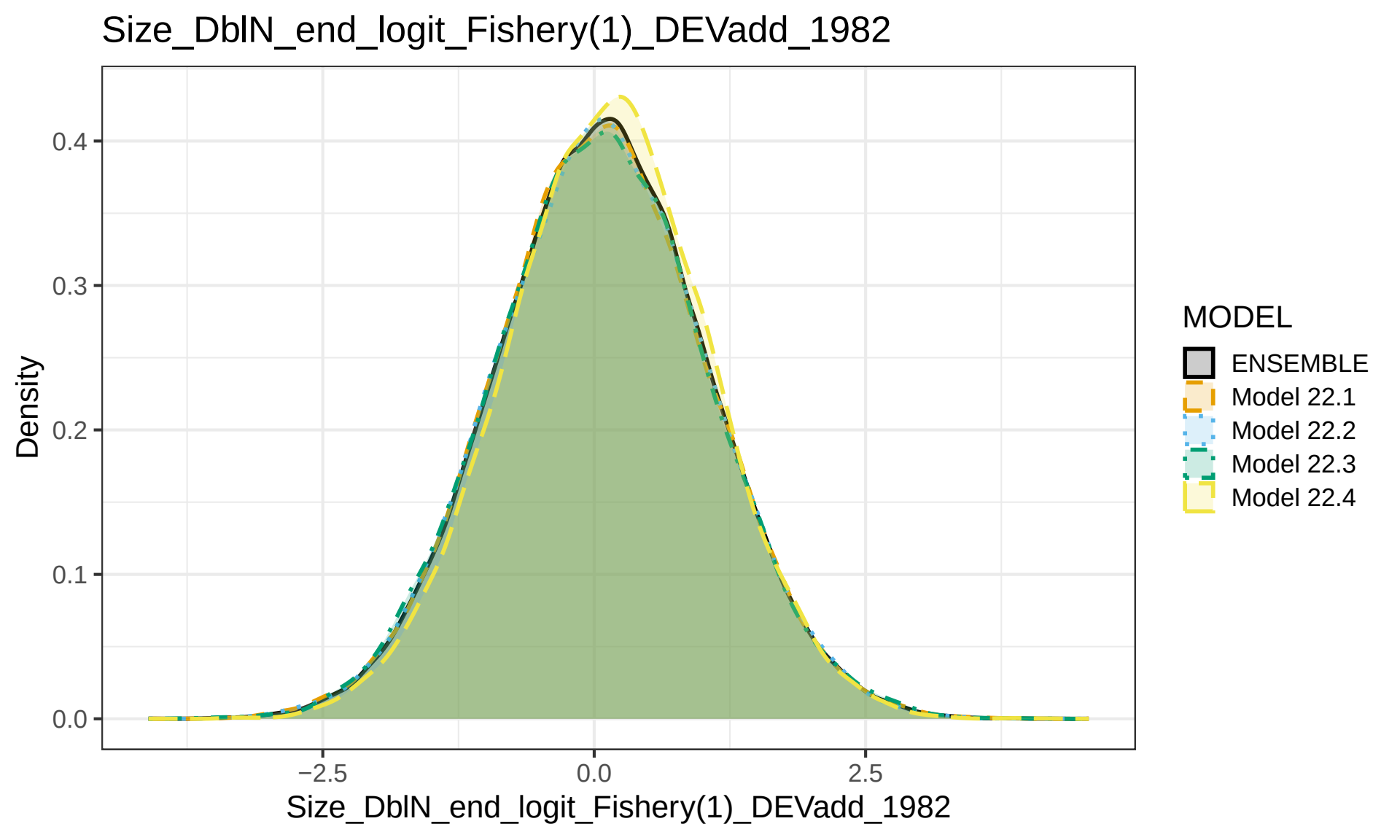

Size_DblN_end_logit_Fishery(1)_DEVadd_1977
Density
0.4
0.3
0.2
0.1
0.0
−5.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1977
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

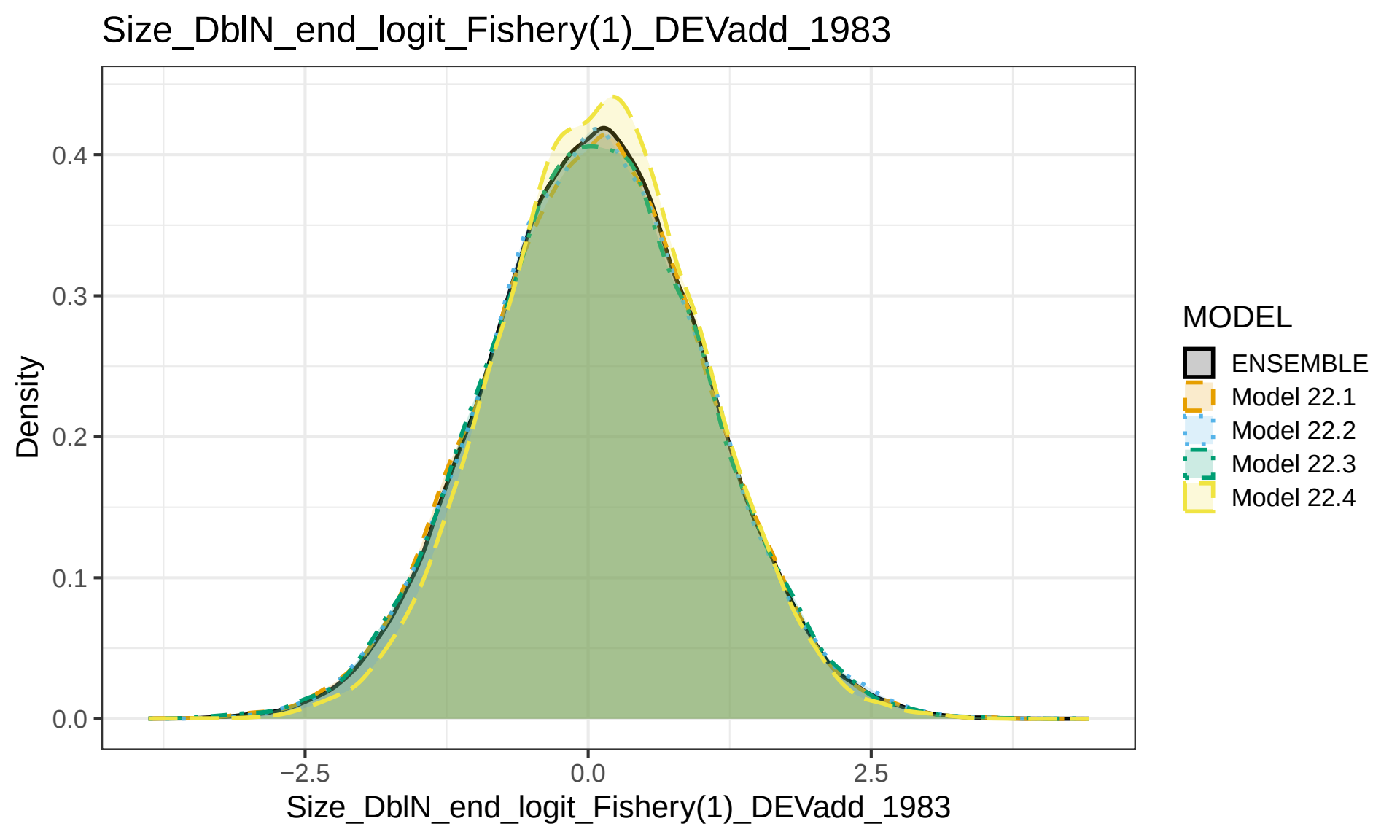

Size_DblN_end_logit_Fishery(1)_DEVadd_1978
Density
0.4
0.3
0.2
0.1
0.0
−5.0
−2.5
0.0
2.5
5.0
Size_DblN_end_logit_Fishery(1)_DEVadd_1978
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

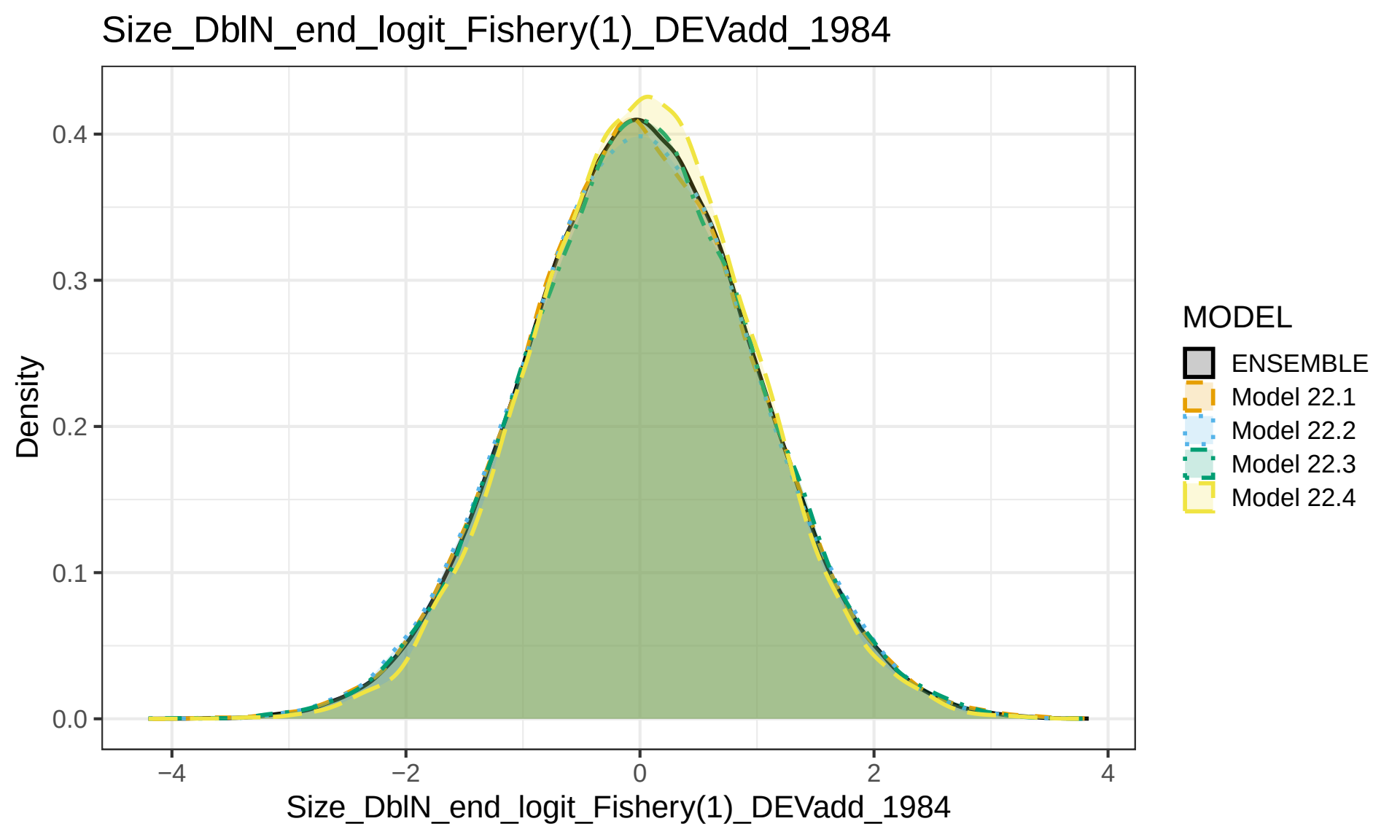

Size_DblN_end_logit_Fishery(1)_DEVadd_1979
Density
0.4
0.3
0.2
0.1
0.0
−5.0
−2.5
0.0
2.5
5.0
Size_DblN_end_logit_Fishery(1)_DEVadd_1979
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

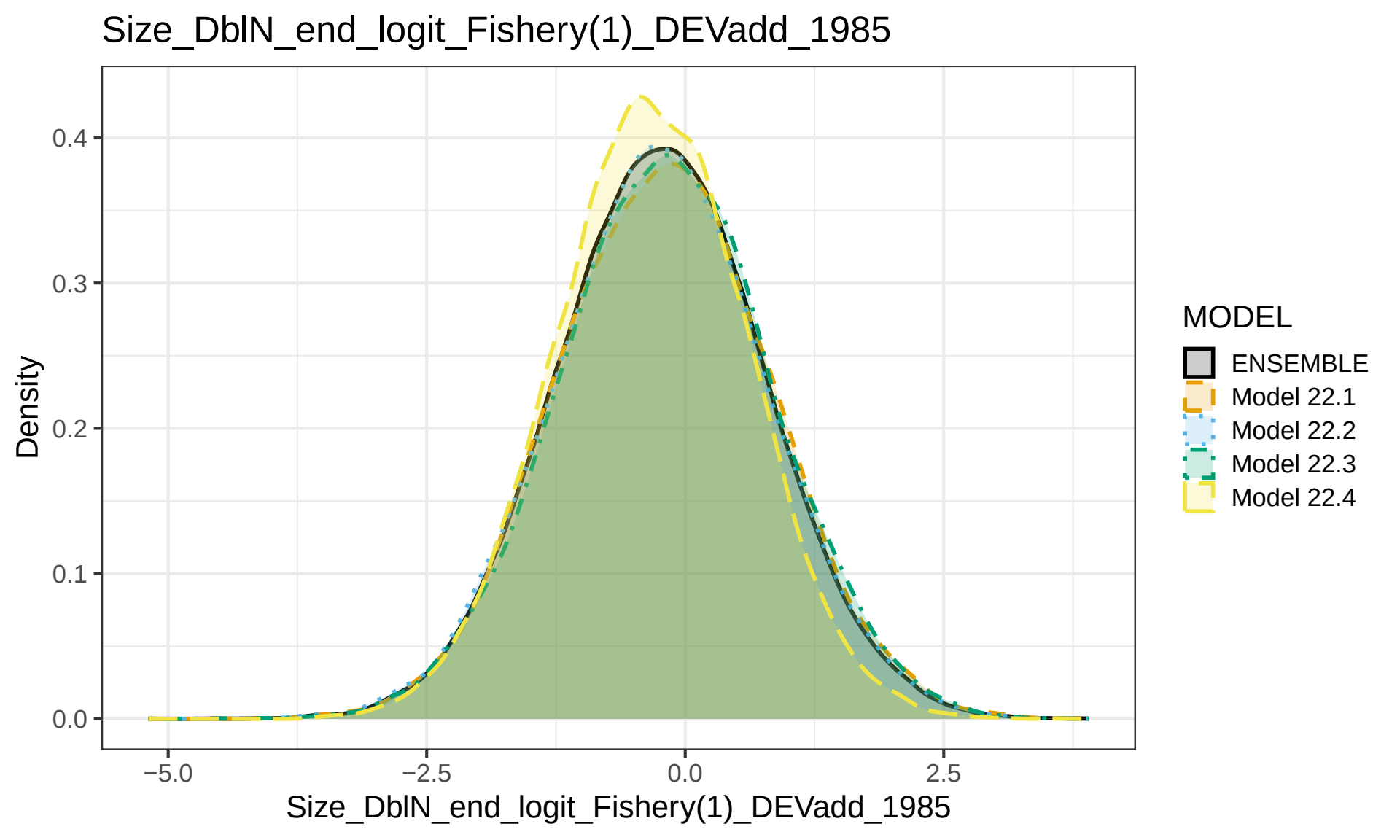

Size_DblN_end_logit_Fishery(1)_DEVadd_1980
Density
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
5.0
Size_DblN_end_logit_Fishery(1)_DEVadd_1980
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

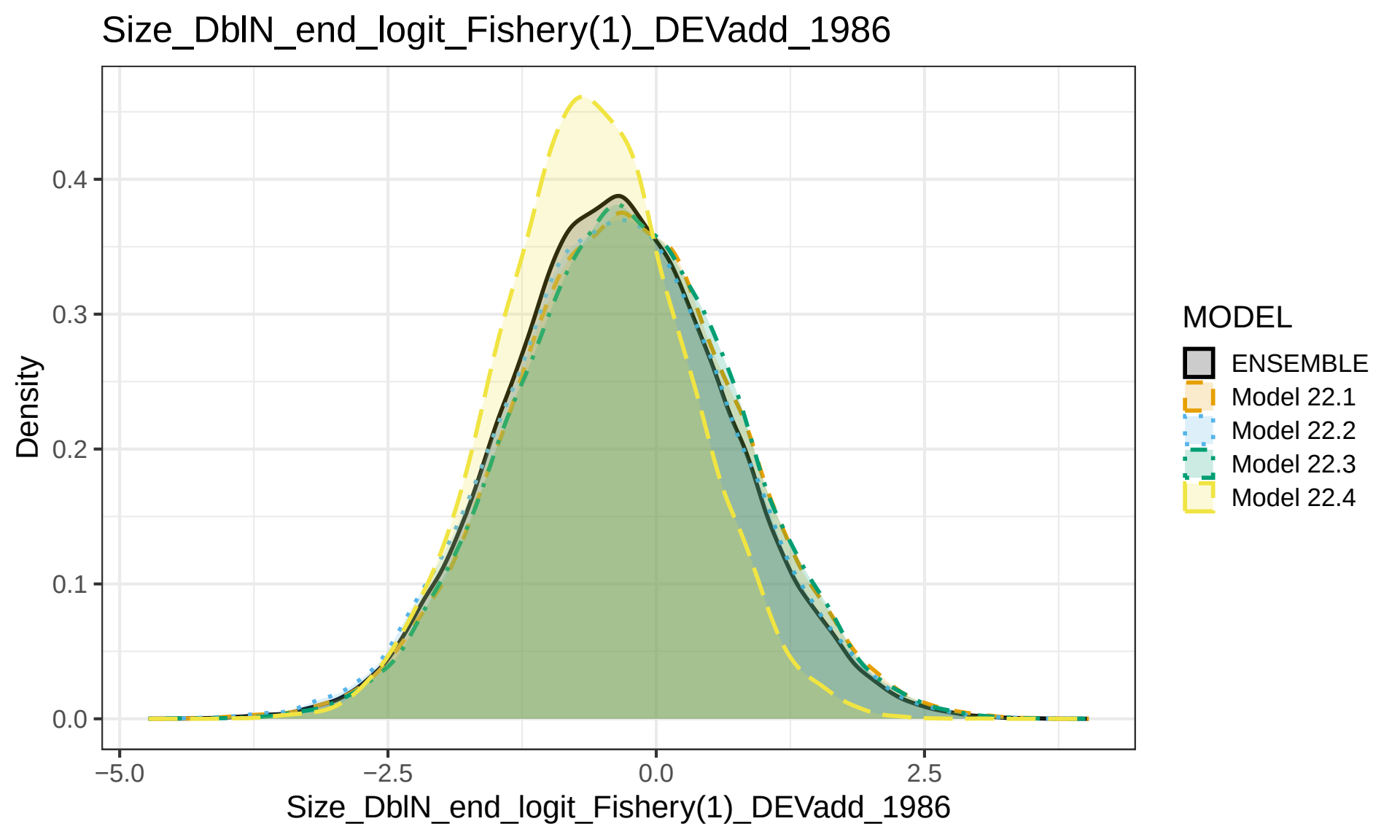

Size_DblN_end_logit_Fishery(1)_DEVadd_1981
Density
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1981
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

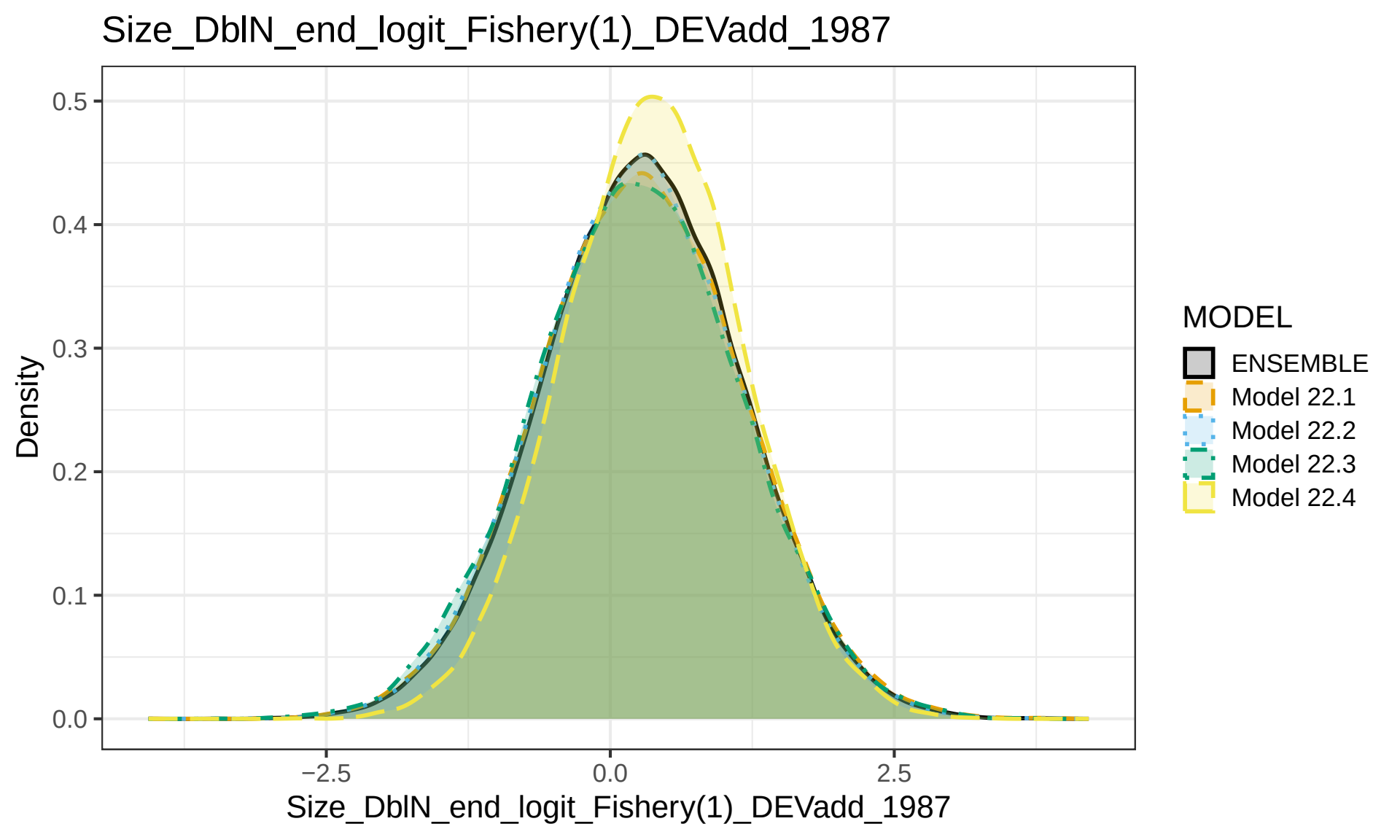

Size_DblN_end_logit_Fishery(1)_DEVadd_1982
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

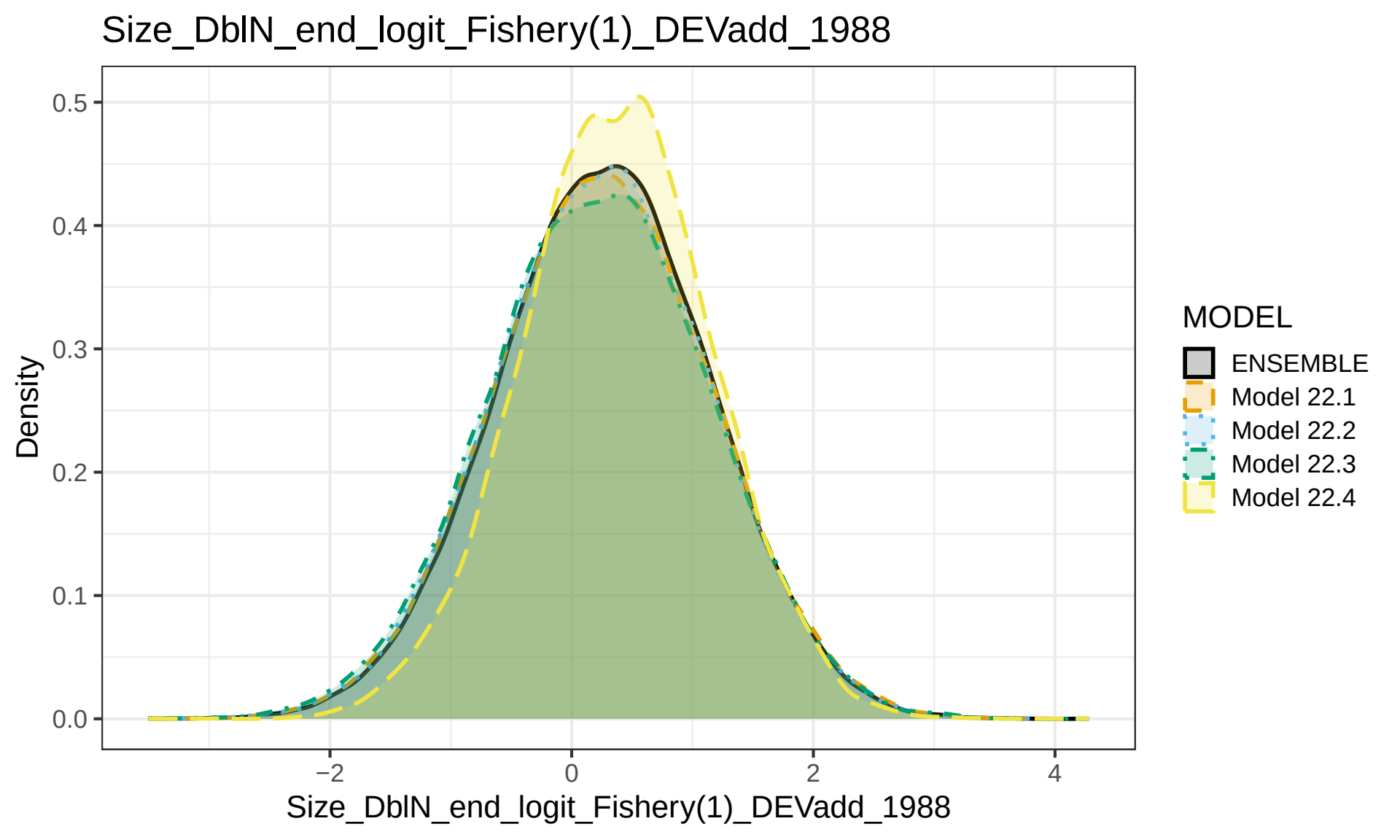

Size_DblN_end_logit_Fishery(1)_DEVadd_1983
Density
0.0
0.1
0.2
0.3
0.4
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

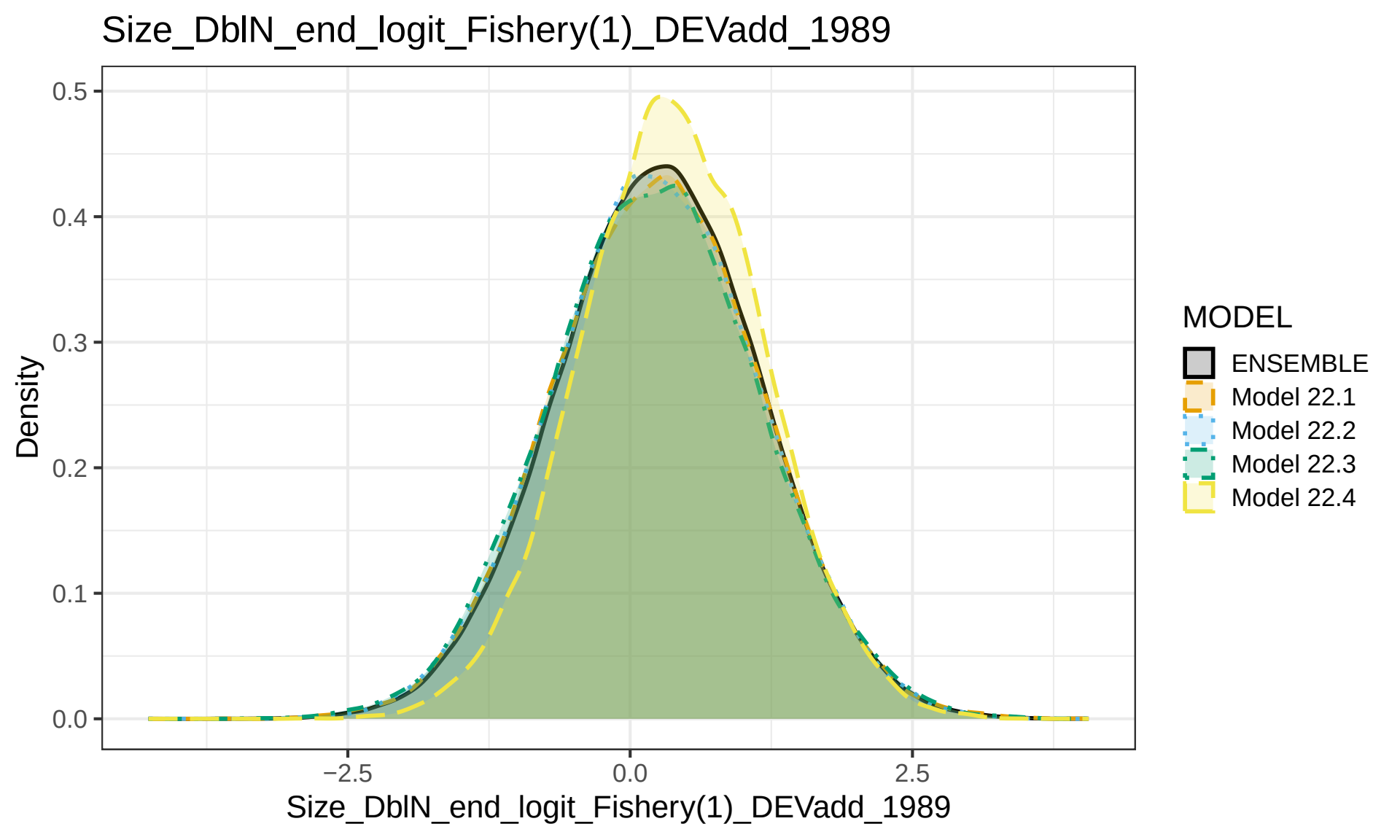

Size_DblN_end_logit_Fishery(1)_DEVadd_1984
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

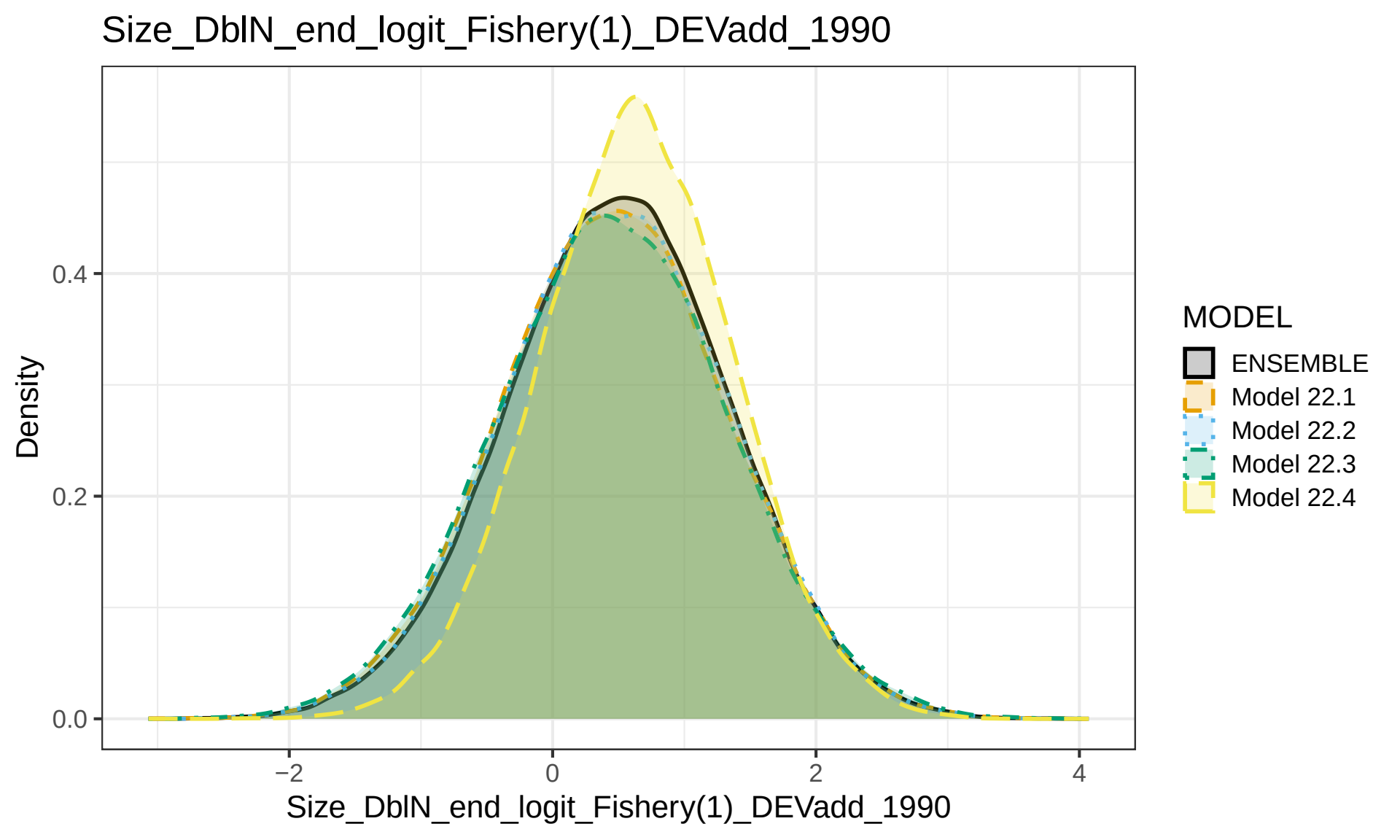

Size_DblN_end_logit_Fishery(1)_DEVadd_1985
Density
0.0
0.1
0.2
0.3
0.4
−5.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

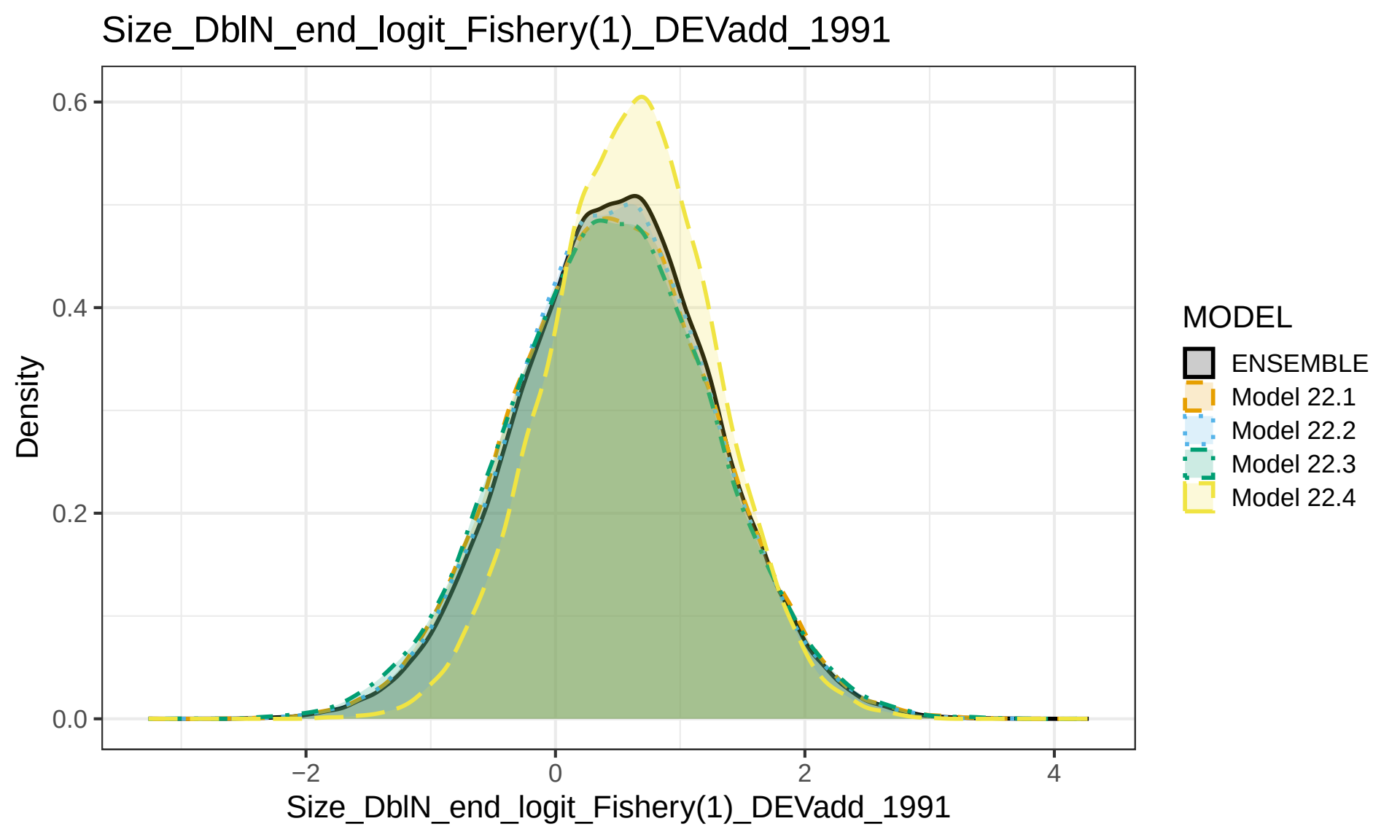

Size_DblN_end_logit_Fishery(1)_DEVadd_1986
Density
0.0
0.1
0.2
0.3
0.4
−5.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

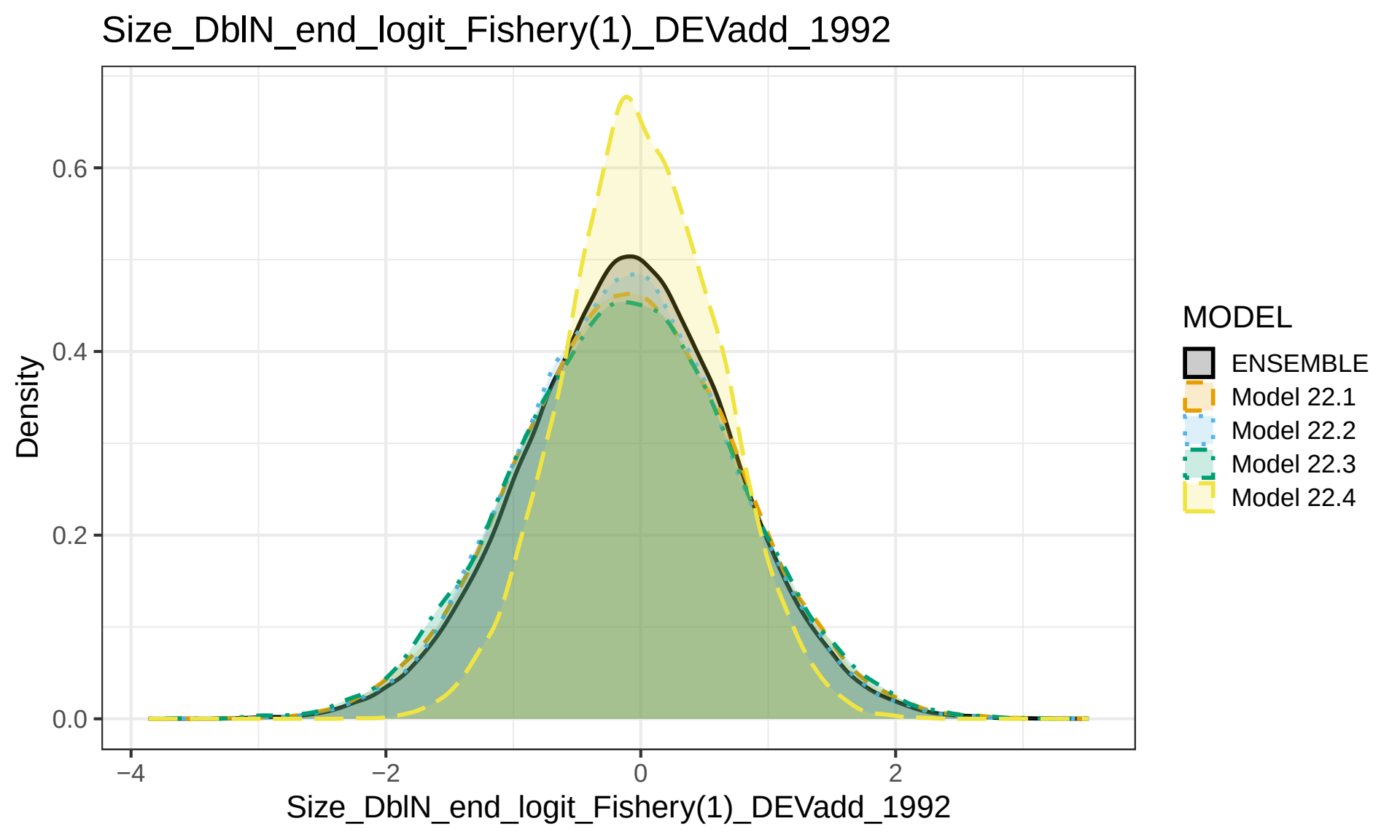

Size_DblN_end_logit_Fishery(1)_DEVadd_1987
Density
0.5
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

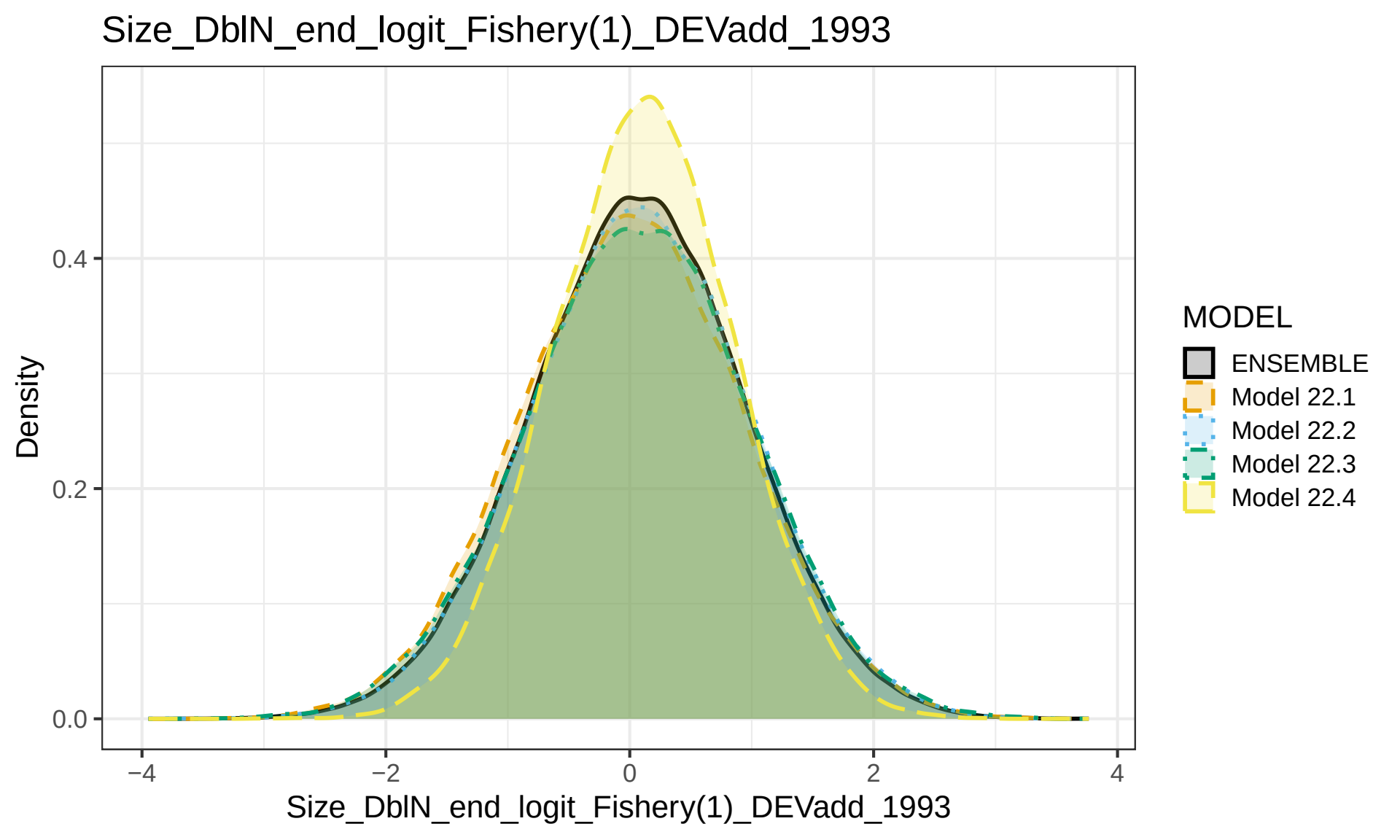

Size_DblN_end_logit_Fishery(1)_DEVadd_1988
Density
0.0
0.1
0.2
0.3
0.4
0.5
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

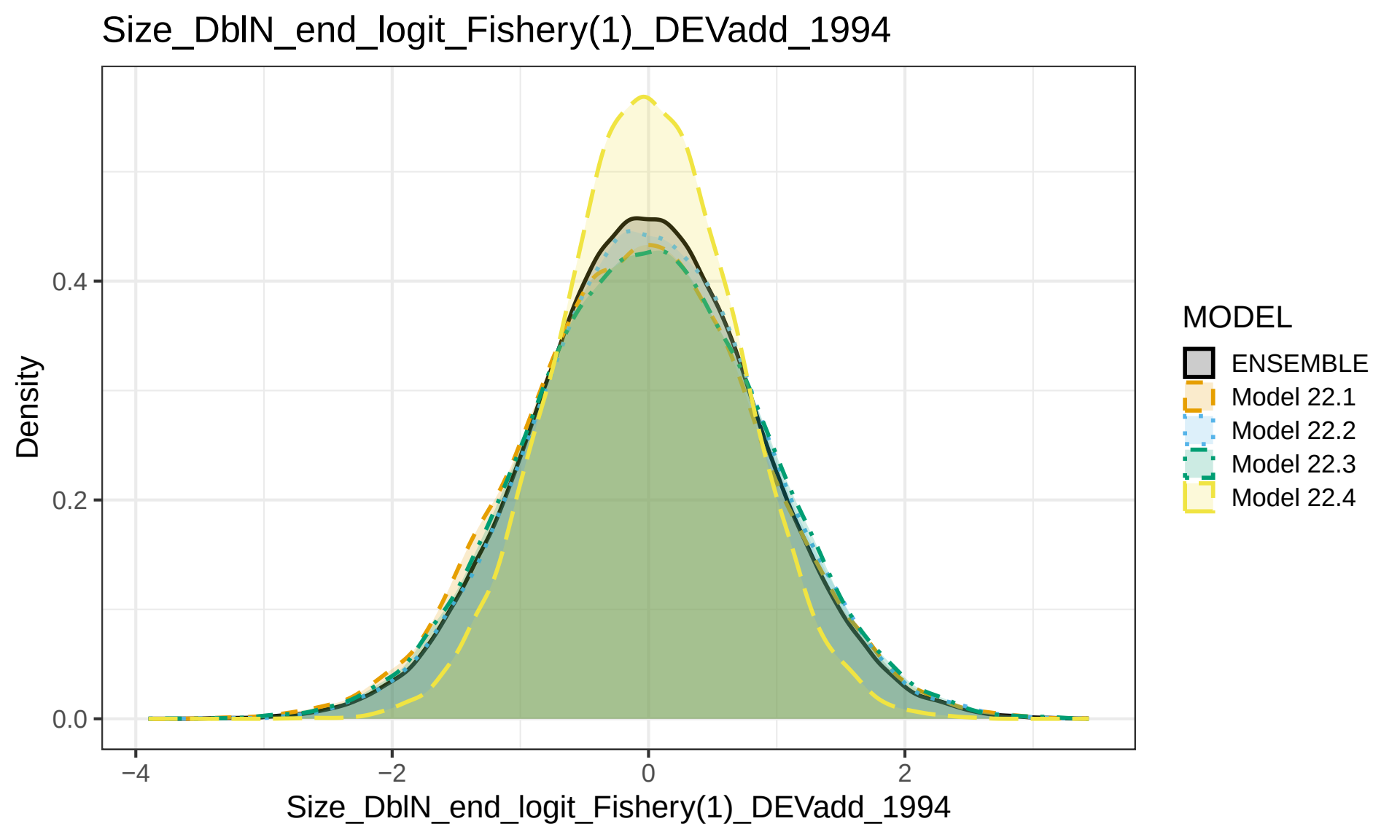

Size_DblN_end_logit_Fishery(1)_DEVadd_1989
Density
0.5
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

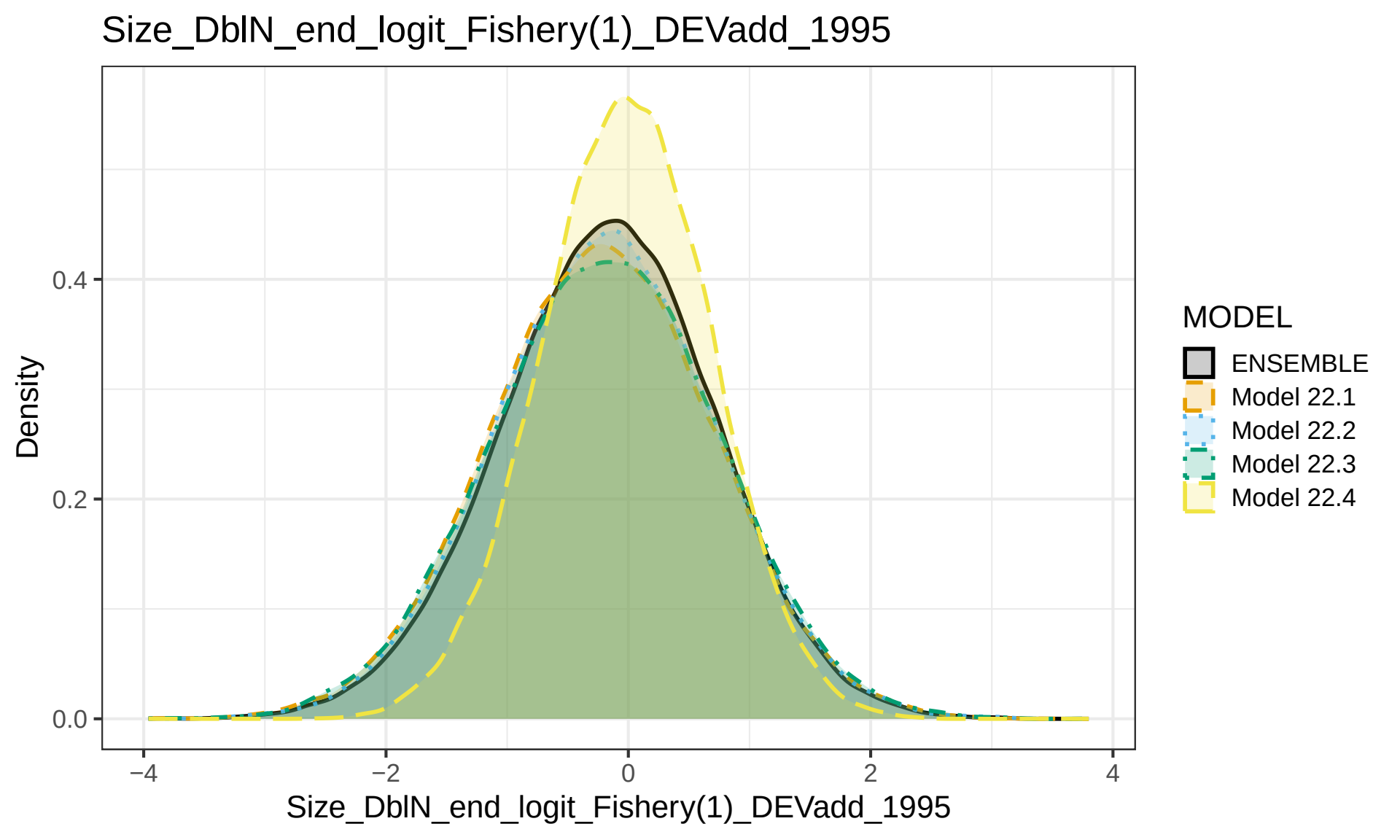

Size_DblN_end_logit_Fishery(1)_DEVadd_1990
Density
0.0
0.2
0.4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

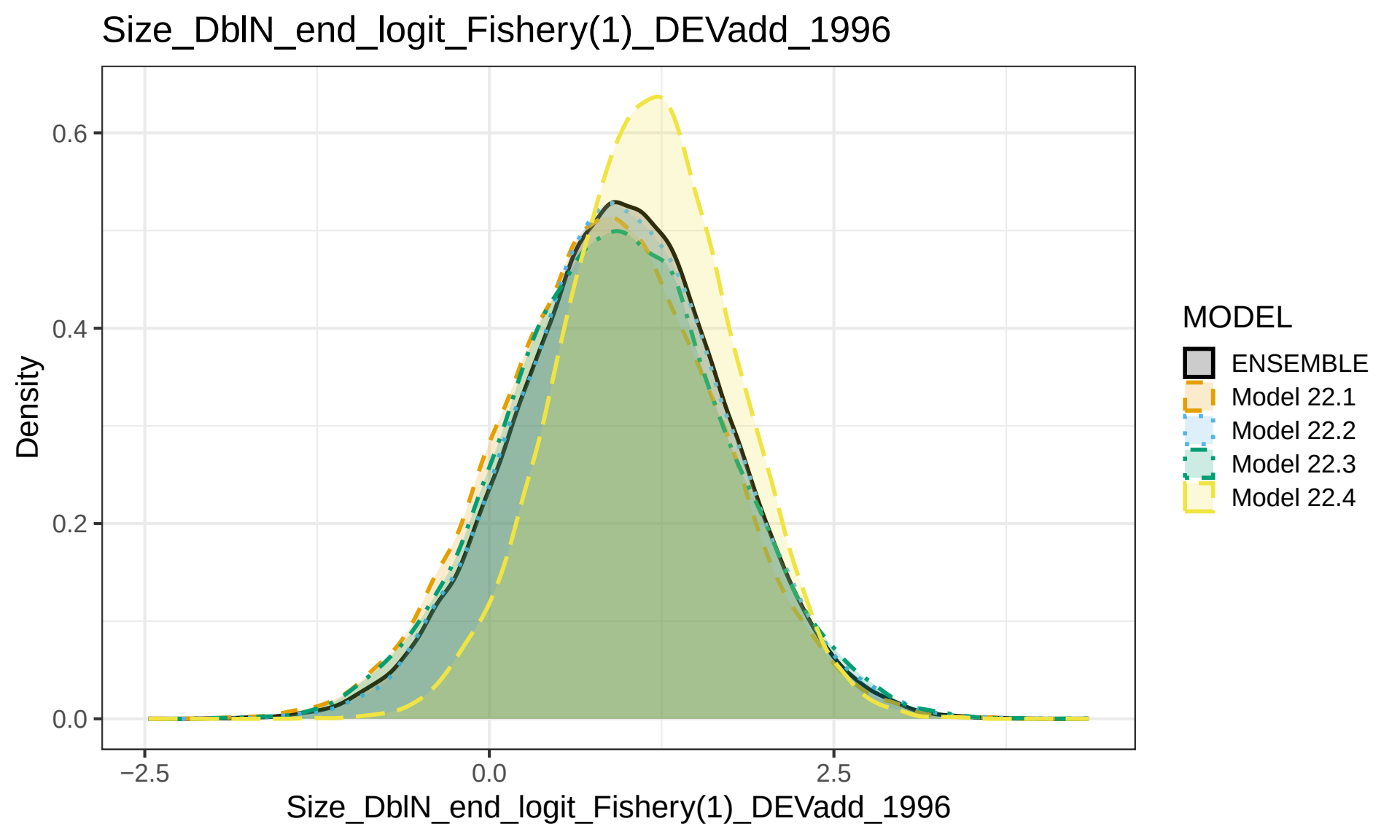

Size_DblN_end_logit_Fishery(1)_DEVadd_1991
Density
0.0
0.2
0.4
0.6
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

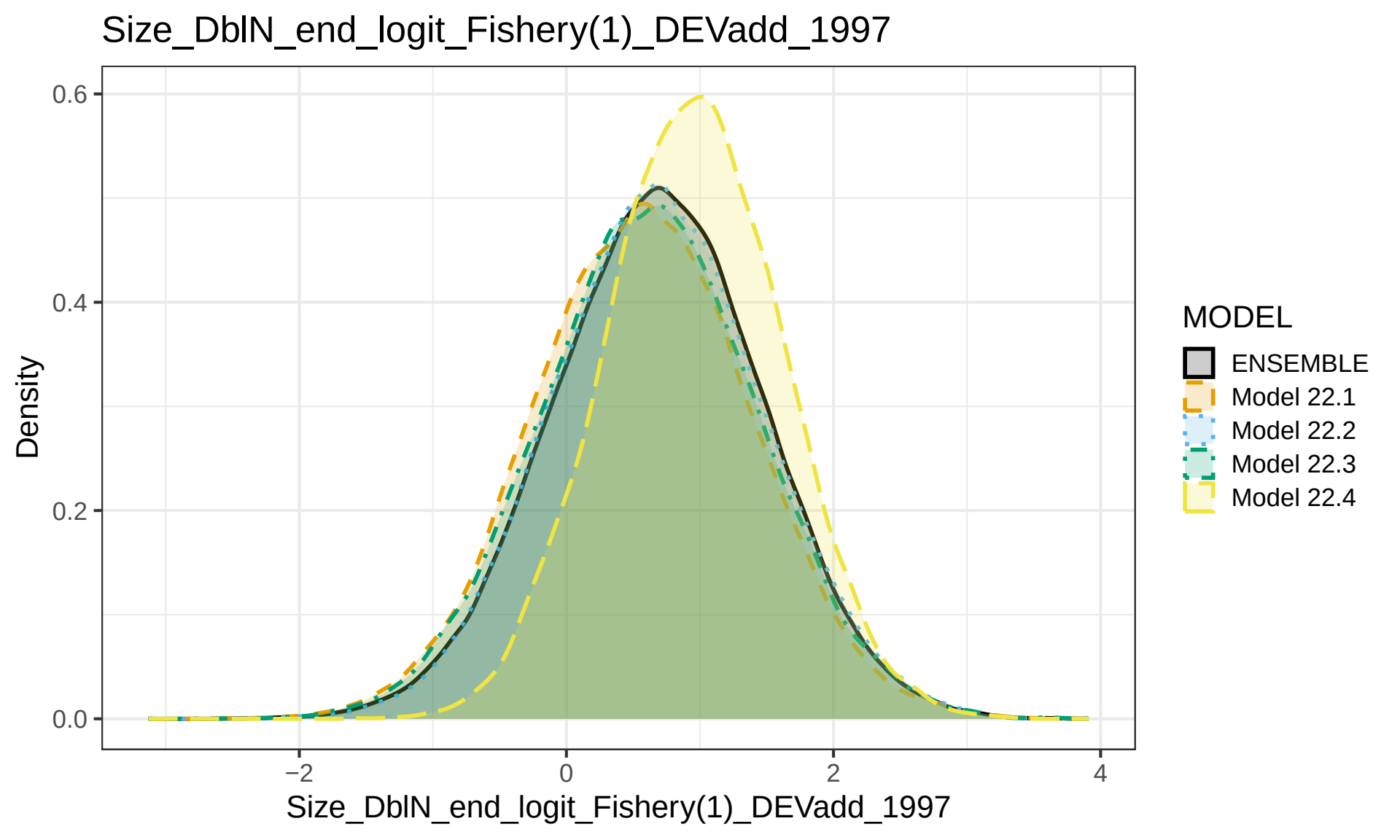

Size_DblN_end_logit_Fishery(1)_DEVadd_1992
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

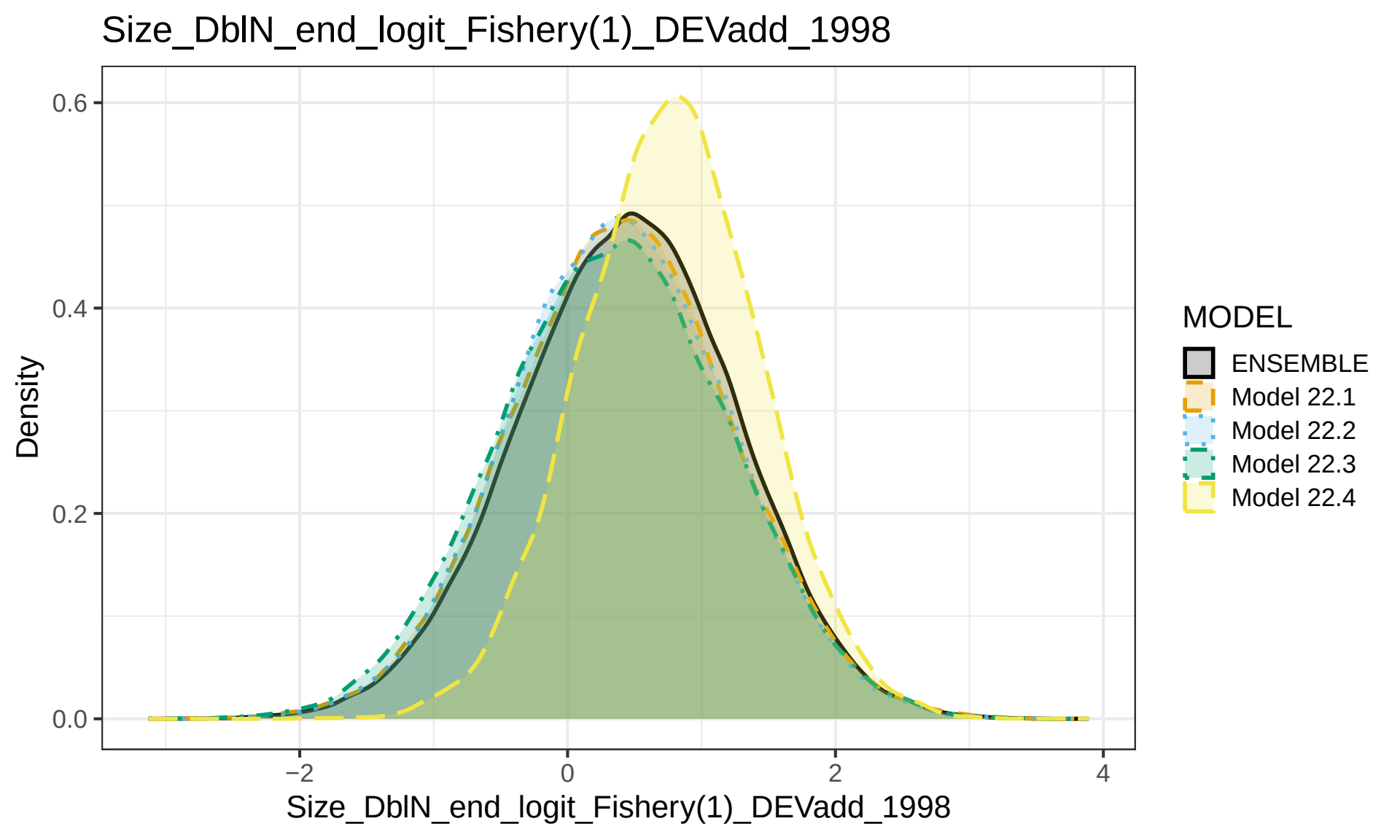

Size_DblN_end_logit_Fishery(1)_DEVadd_1993
Density
0.0
0.2
0.4
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

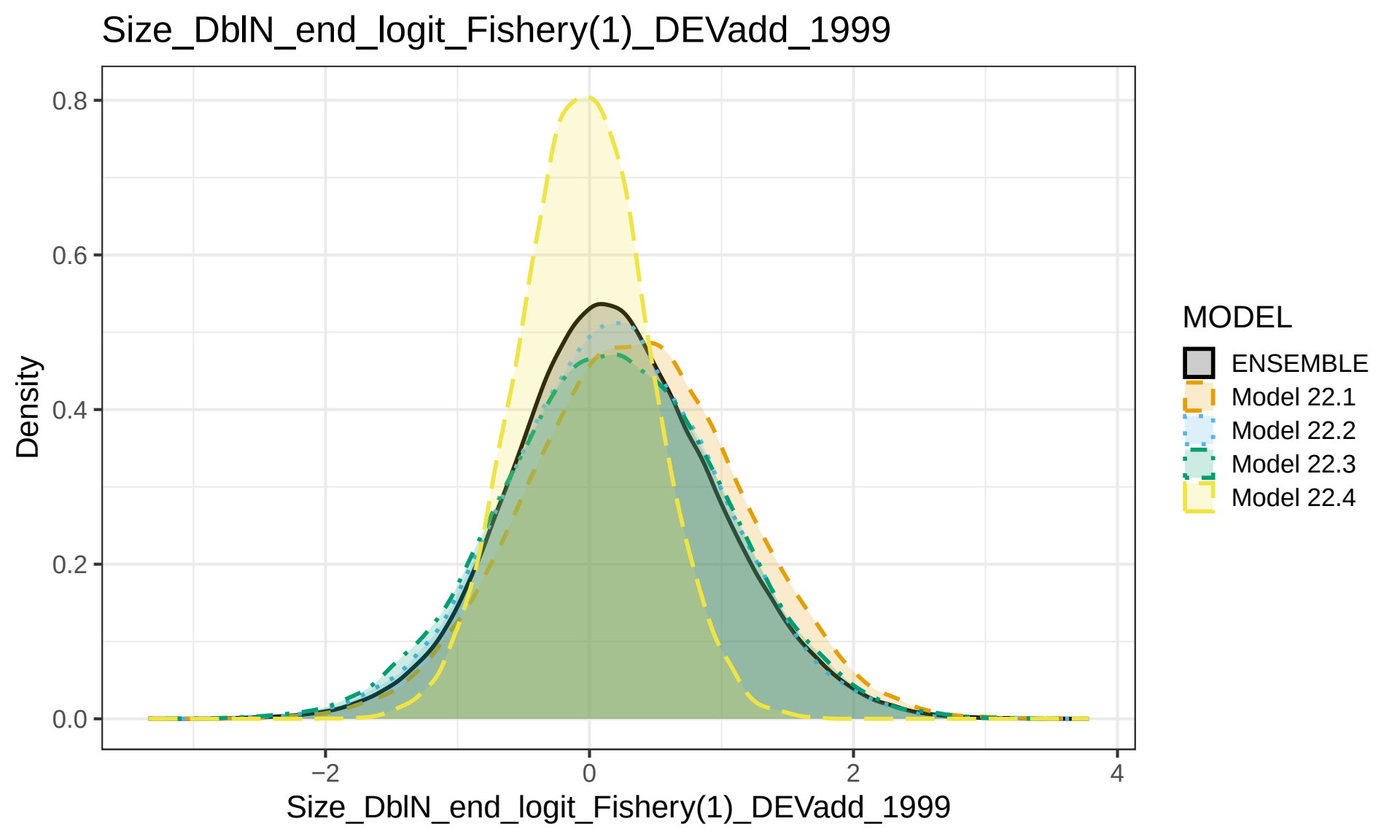

Size_DblN_end_logit_Fishery(1)_DEVadd_1994
Density
0.0
0.2
0.4
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

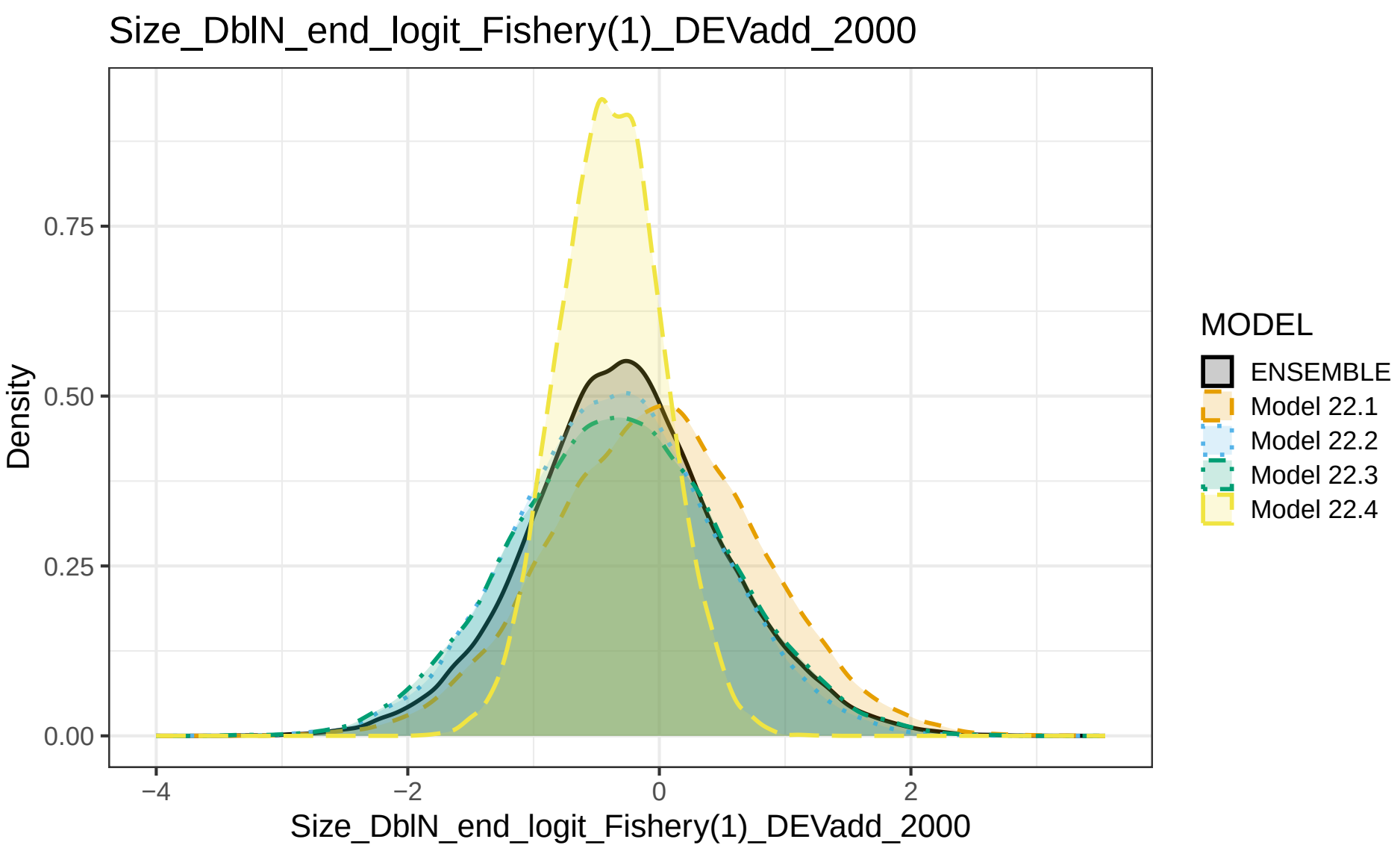

Size_DblN_end_logit_Fishery(1)_DEVadd_1995
Density
0.0
0.2
0.4
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

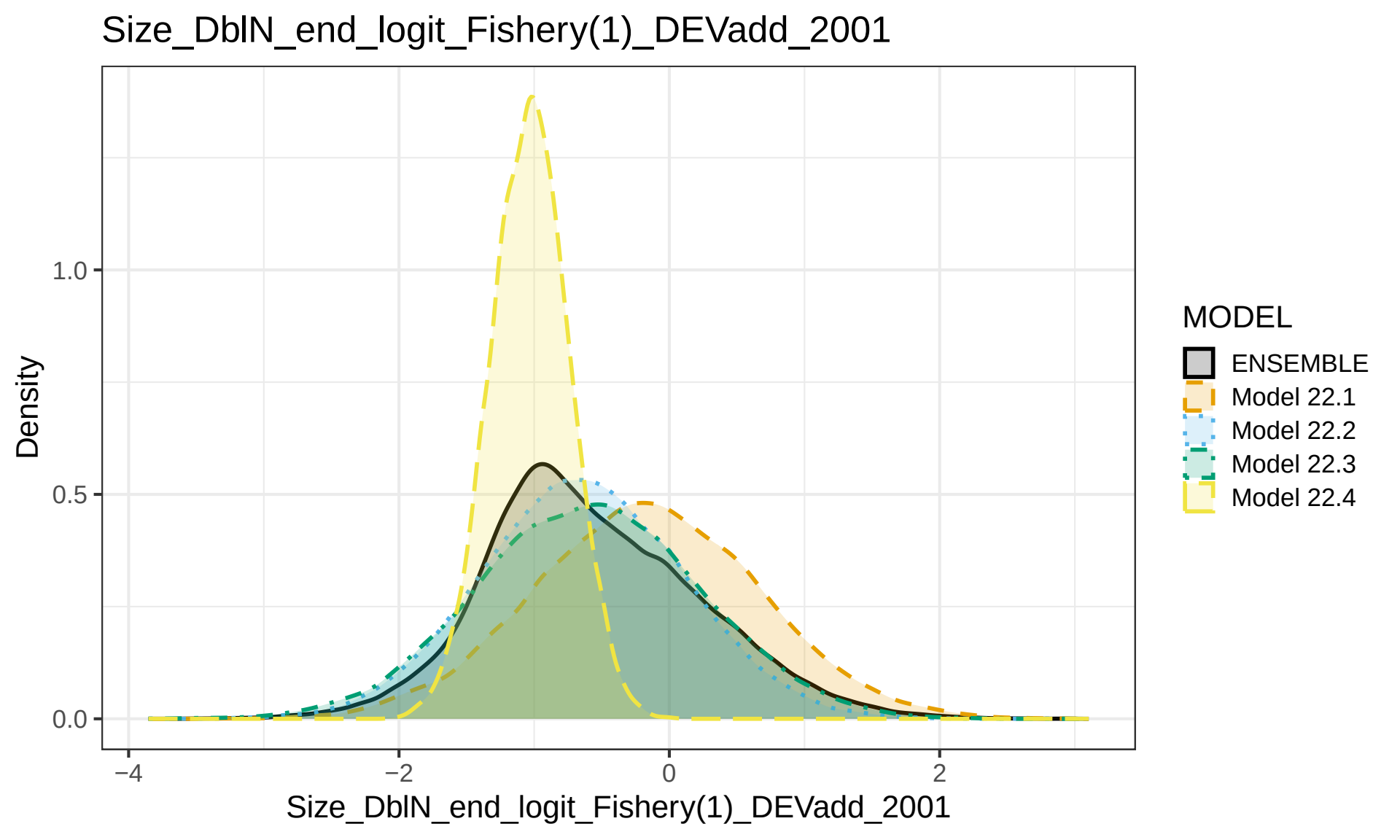

Size_DblN_end_logit_Fishery(1)_DEVadd_1996
0.6
0.4
0.2
0.0
Density
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

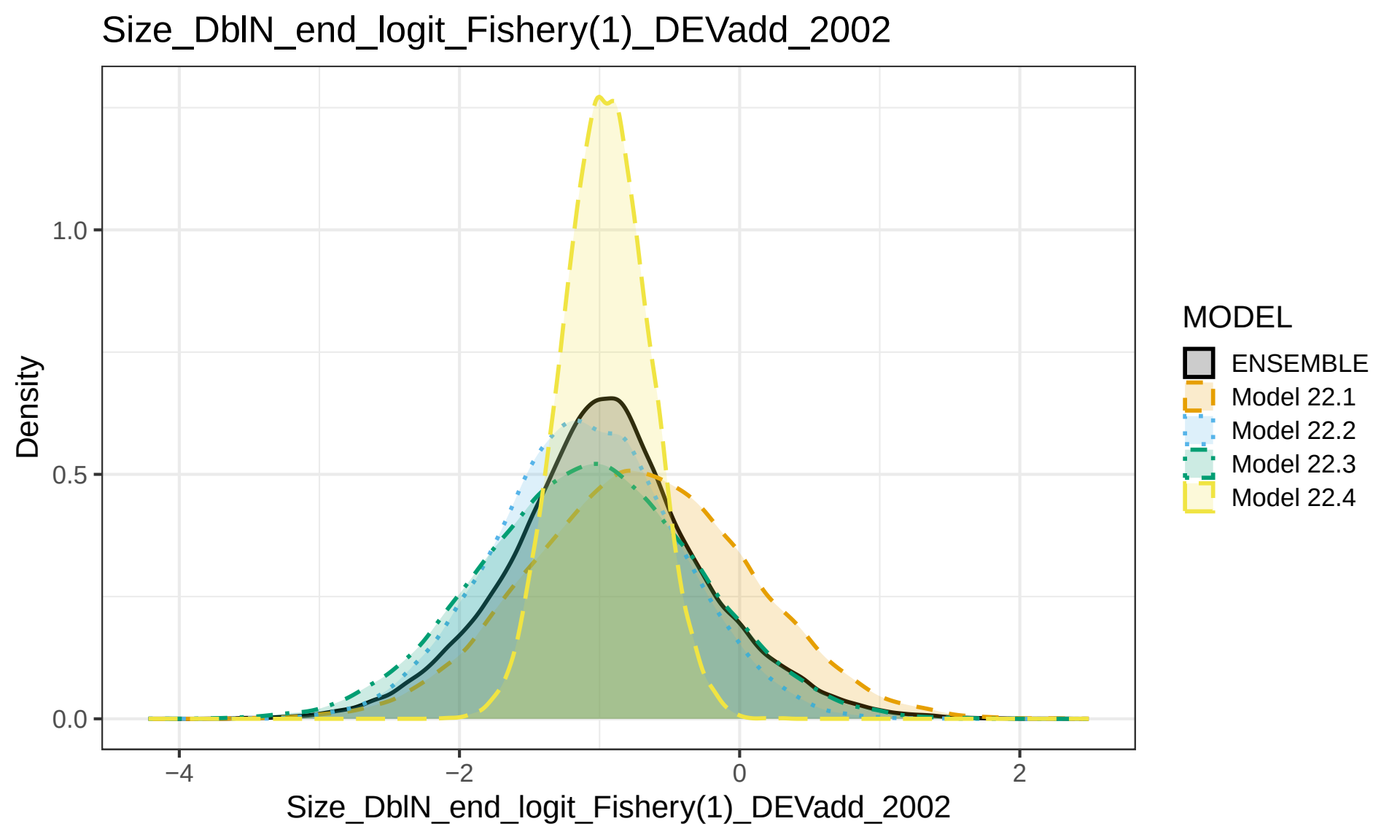

Size_DblN_end_logit_Fishery(1)_DEVadd_1997
Density
0.6
0.4
0.2
0.0
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

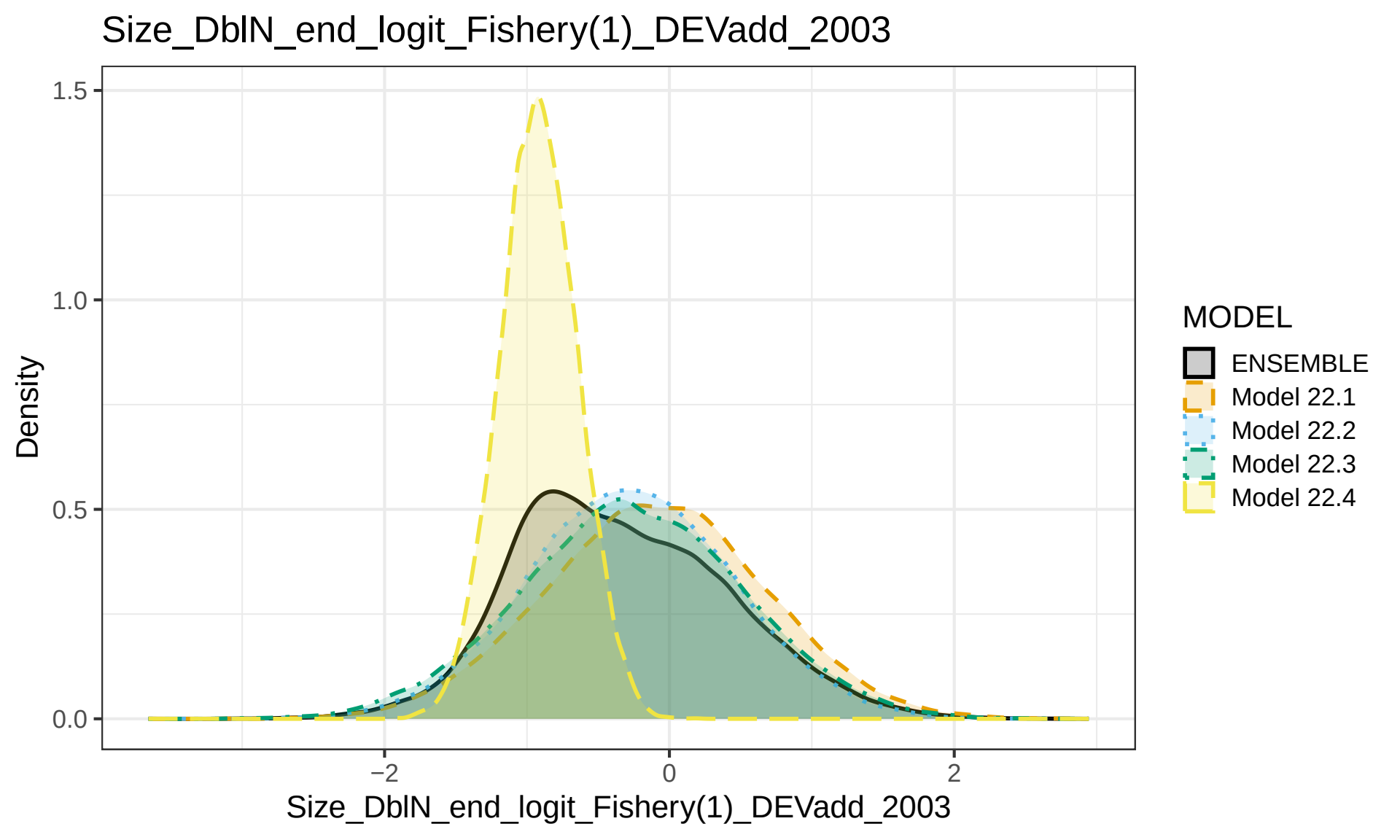

Size_DblN_end_logit_Fishery(1)_DEVadd_1998
Density
0.0
0.2
0.4
0.6
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

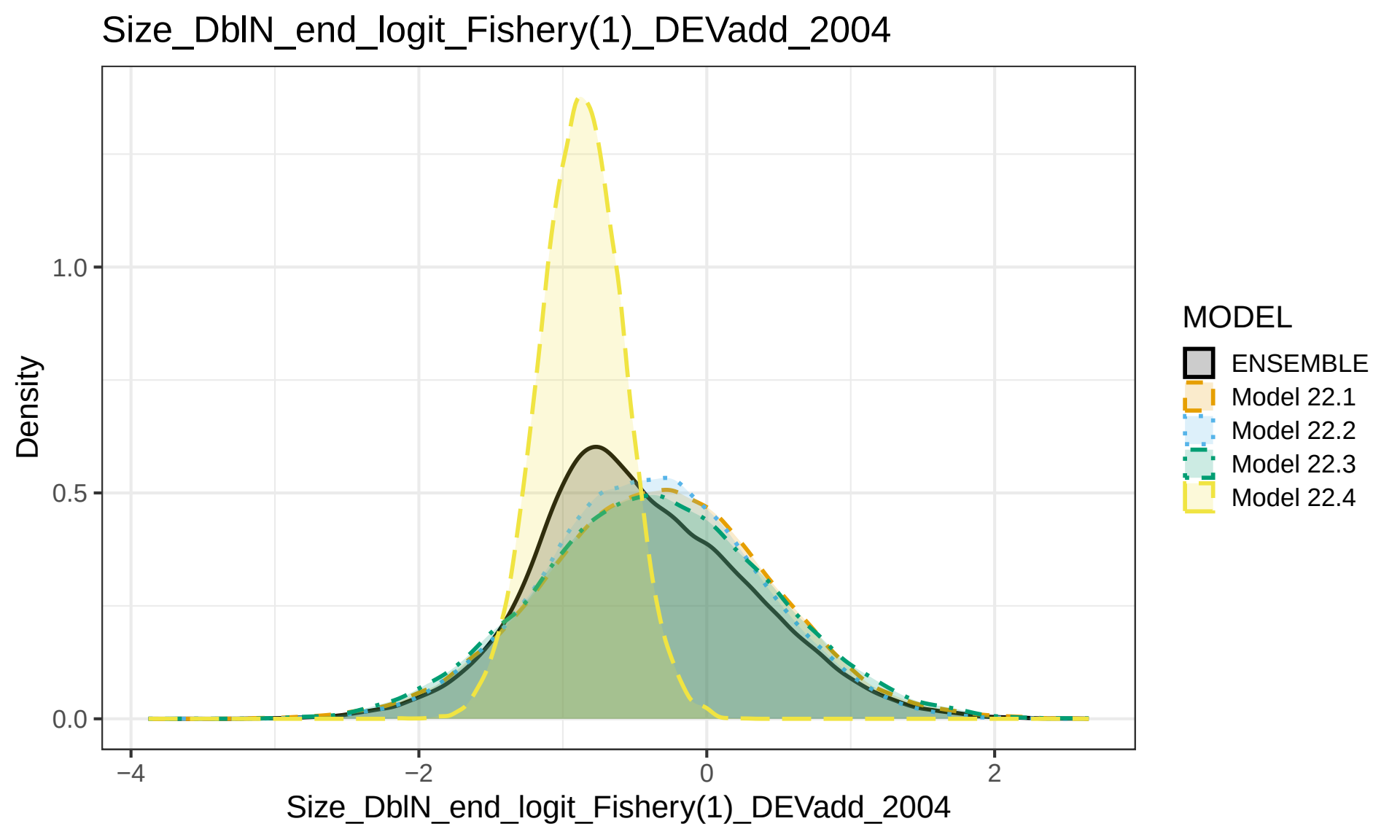

Size_DblN_end_logit_Fishery(1)_DEVadd_1999
Density
0.0
0.2
0.4
0.6
0.8
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

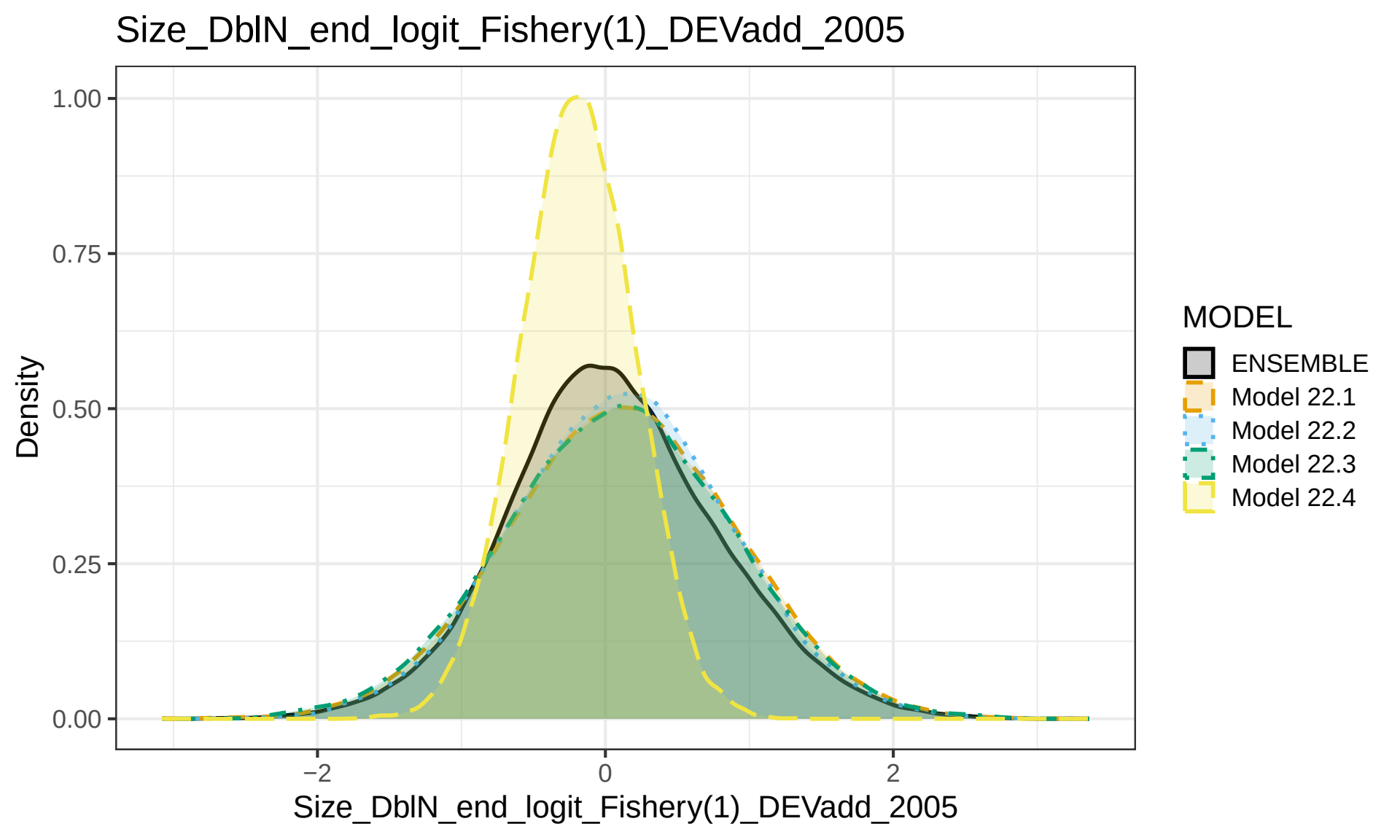

Size_DblN_end_logit_Fishery(1)_DEVadd_2000
Density
0.75
0.50
0.25
0.00
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

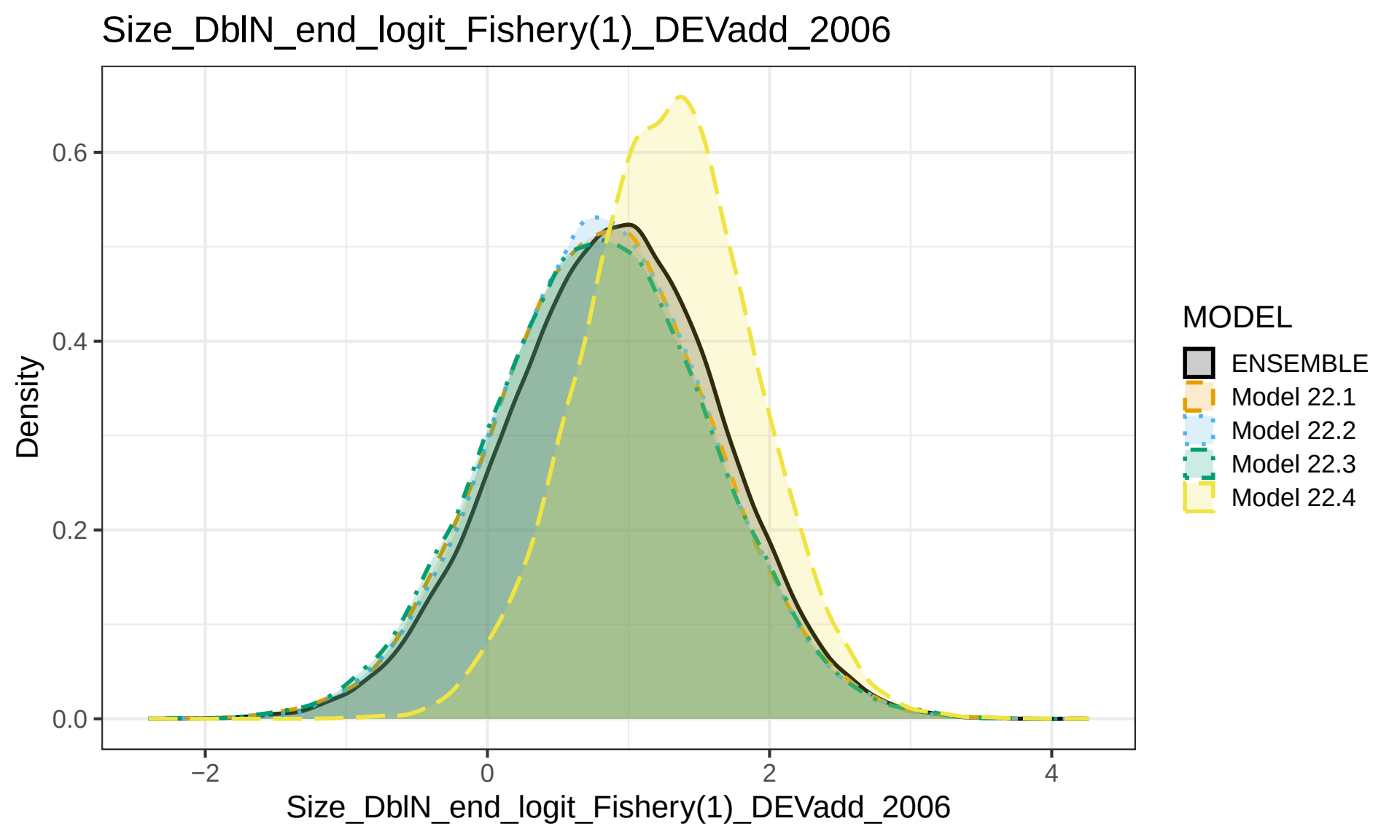

Size_DblN_end_logit_Fishery(1)_DEVadd_2001
Density
1.0
0.5
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

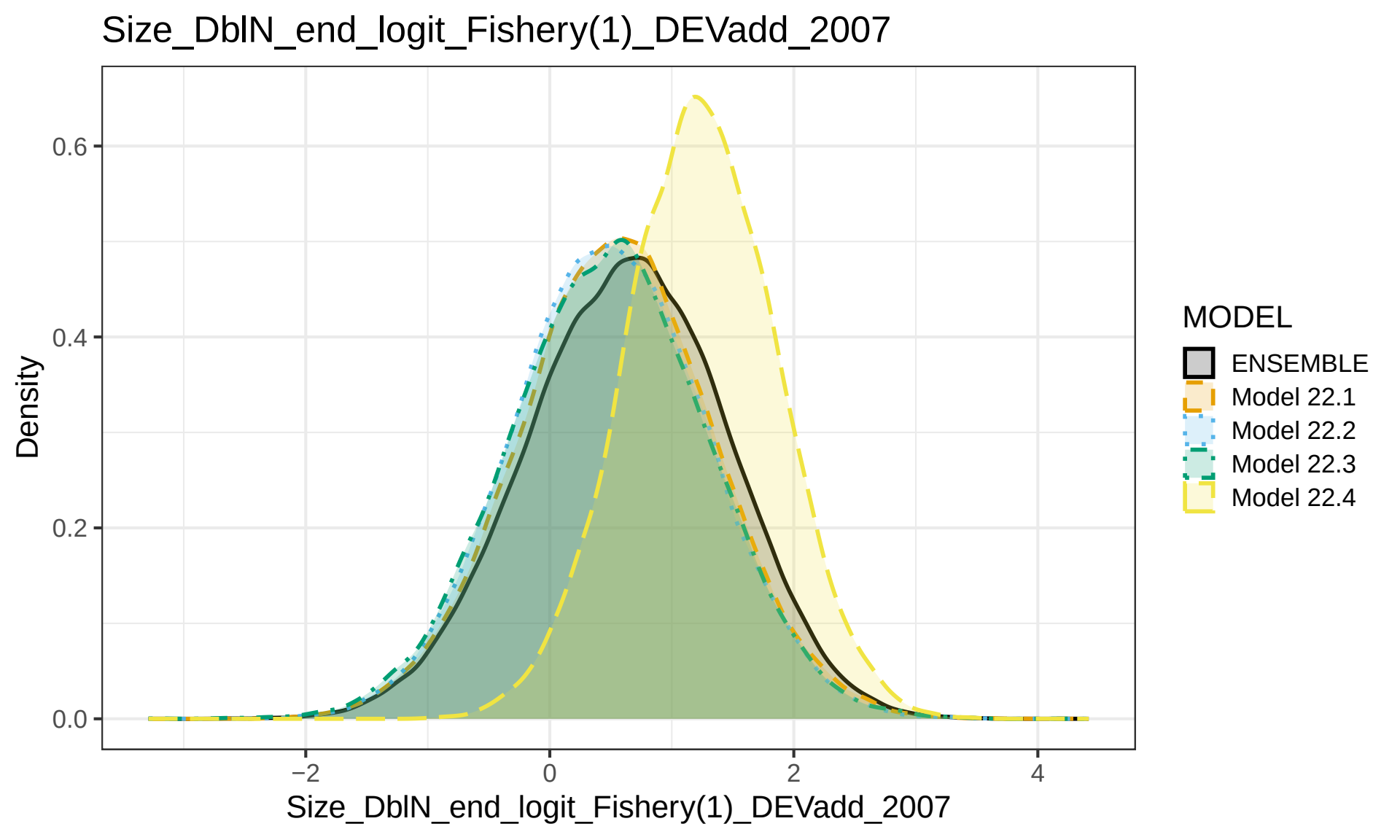

Size_DblN_end_logit_Fishery(1)_DEVadd_2002
Density
1.0
0.5
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

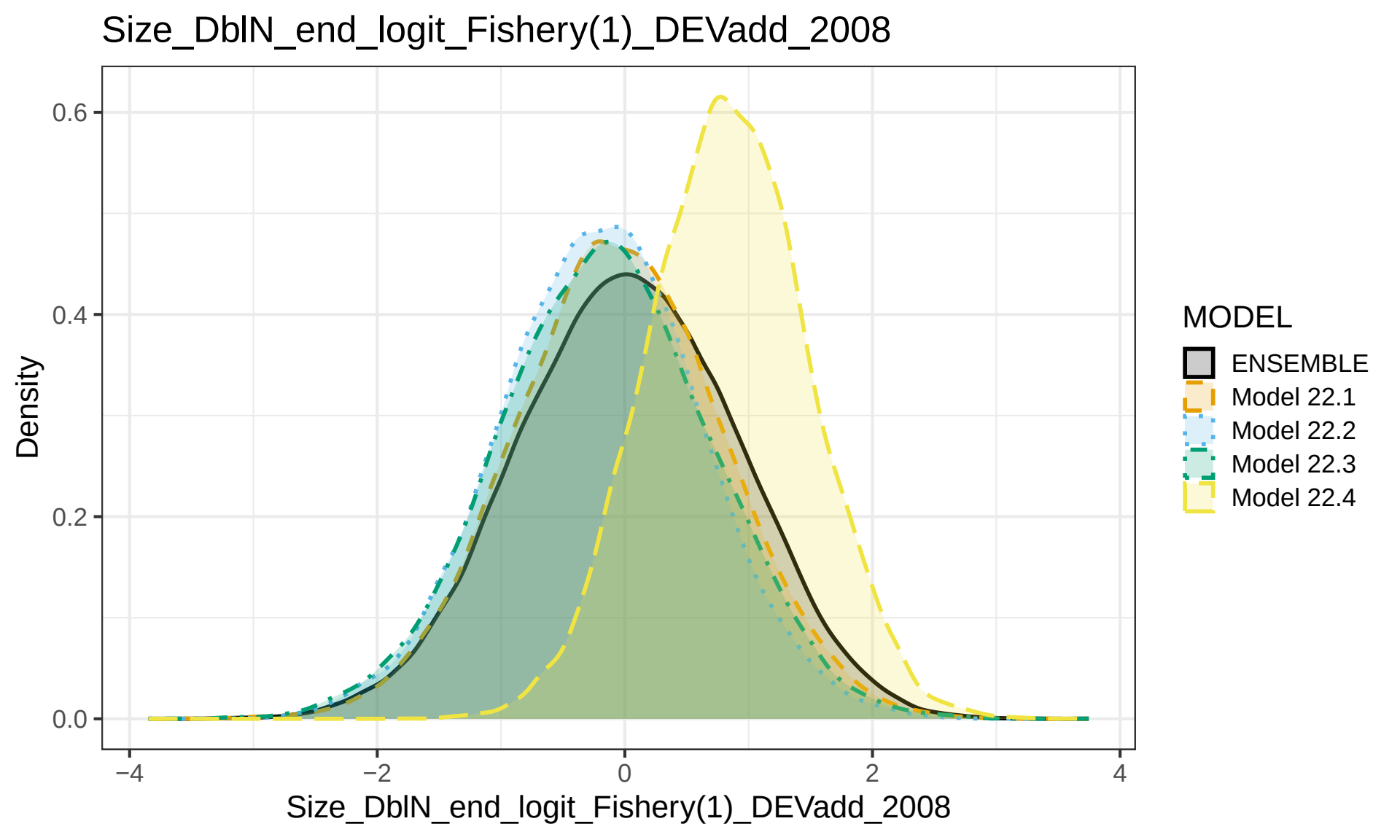

Size_DblN_end_logit_Fishery(1)_DEVadd_2003
1.5
1.0
0.5
0.0
Density
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

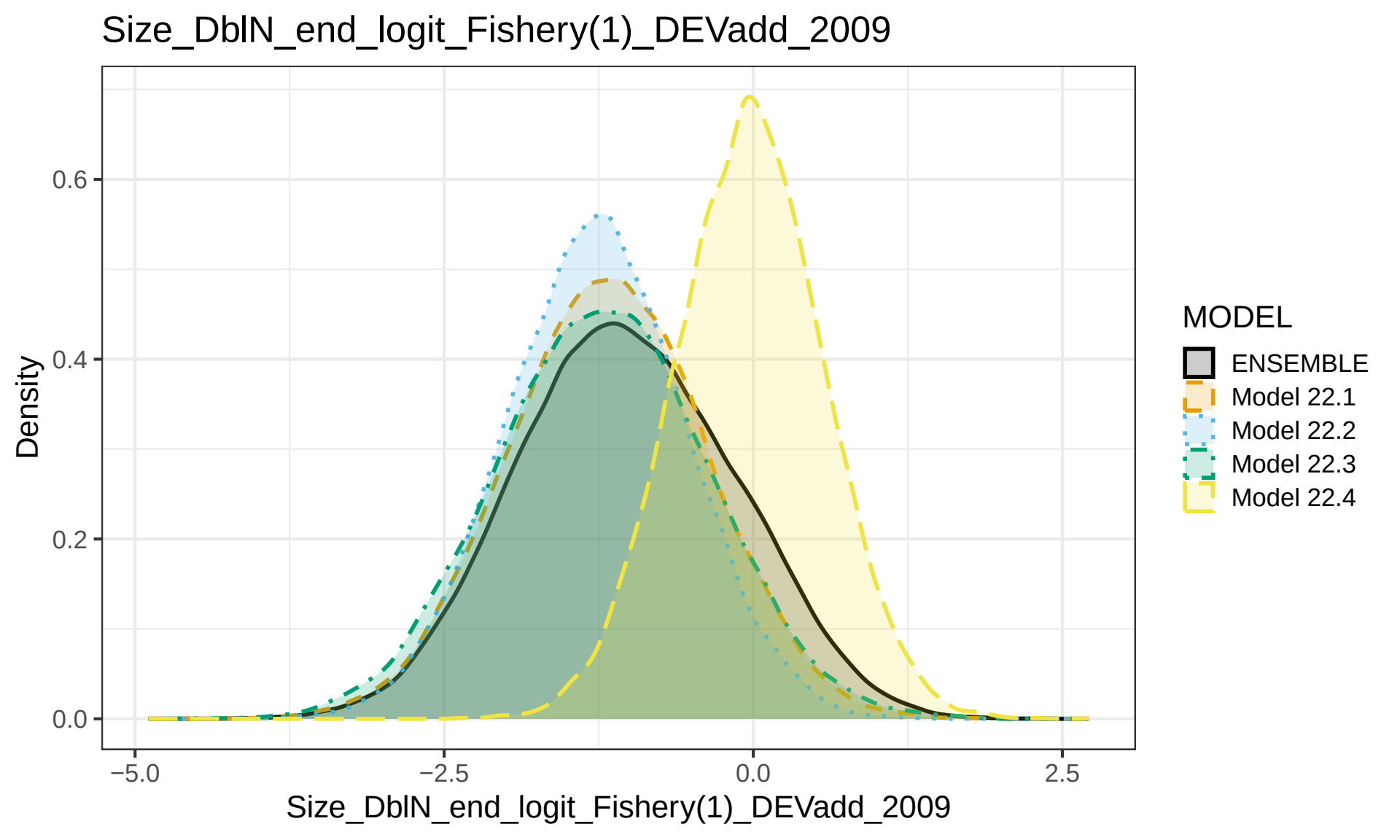

Size_DblN_end_logit_Fishery(1)_DEVadd_2004
Density
1.0
0.5
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

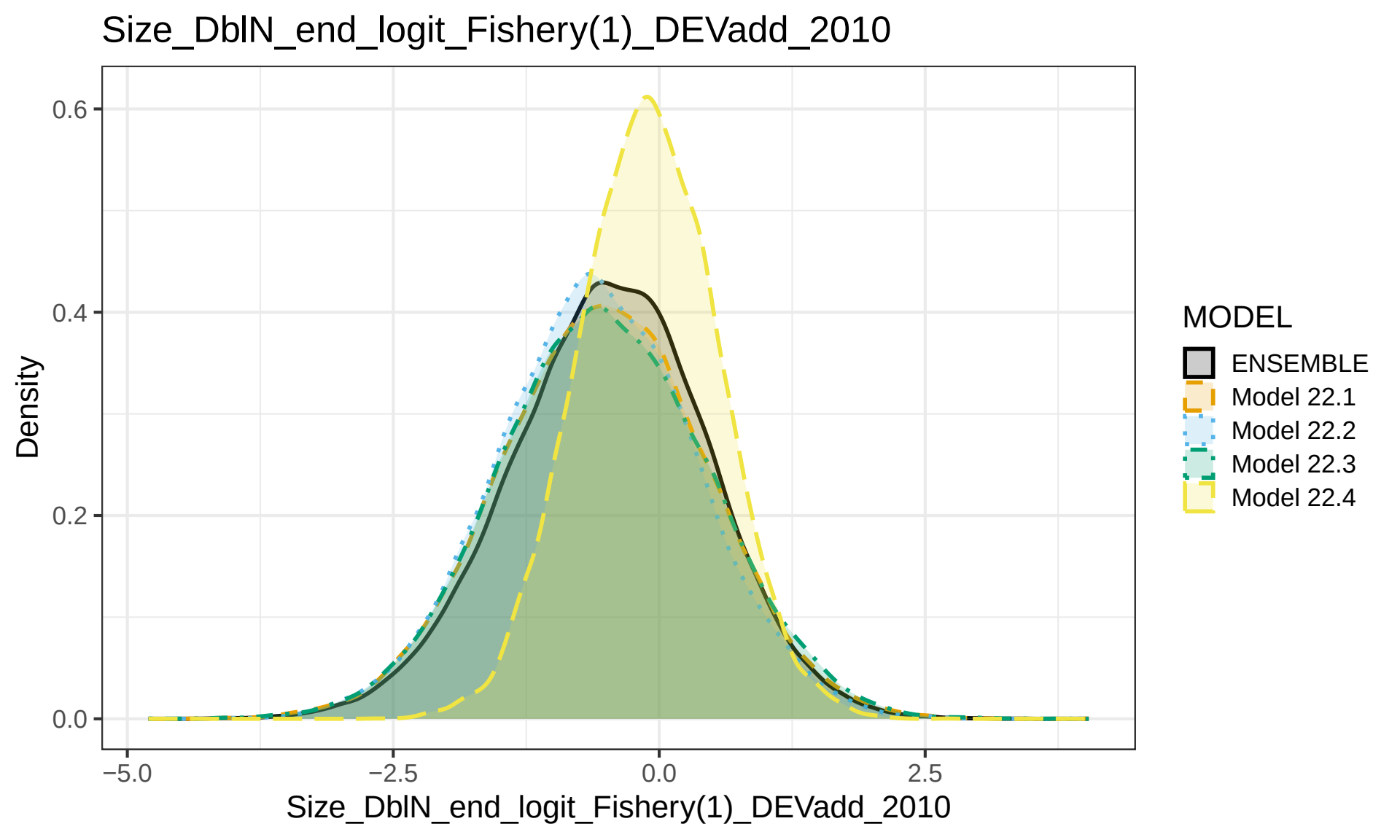

Size_DblN_end_logit_Fishery(1)_DEVadd_2005
1.00
0.75
0.50
0.25
0.00
Density
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

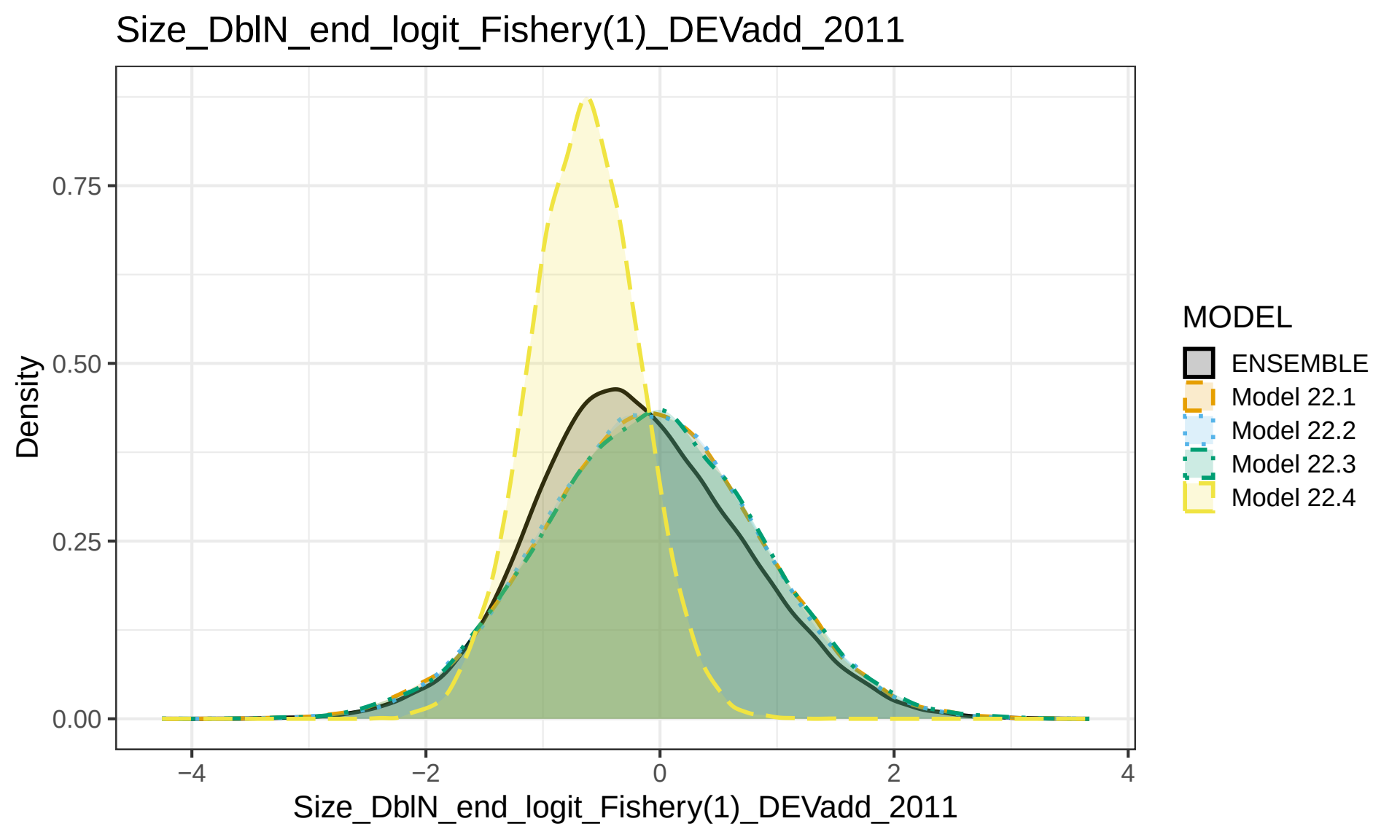

Size_DblN_end_logit_Fishery(1)_DEVadd_2006
Density
0.0
0.2
0.4
0.6
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

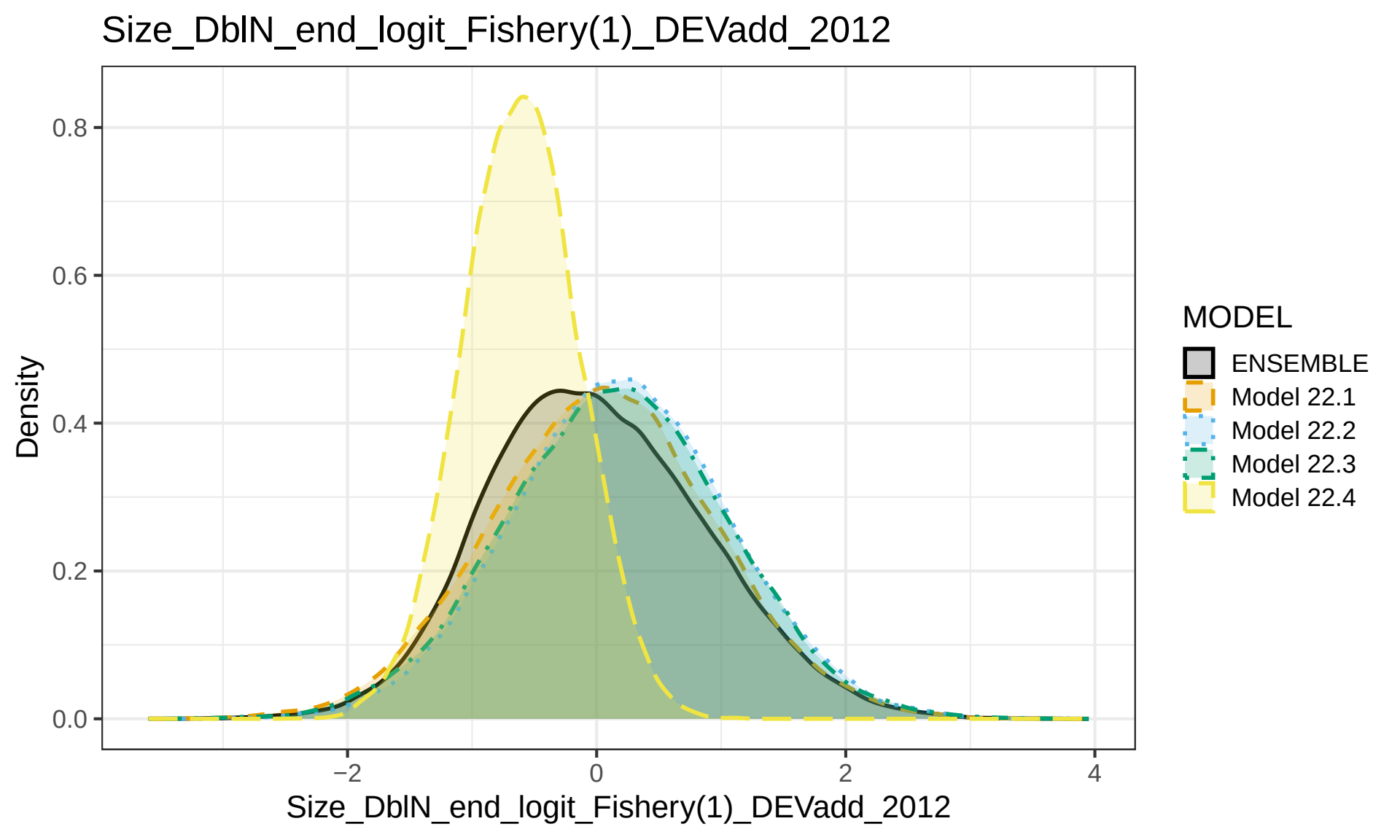

Size_DblN_end_logit_Fishery(1)_DEVadd_2007
Density
0.0
0.2
0.4
0.6
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

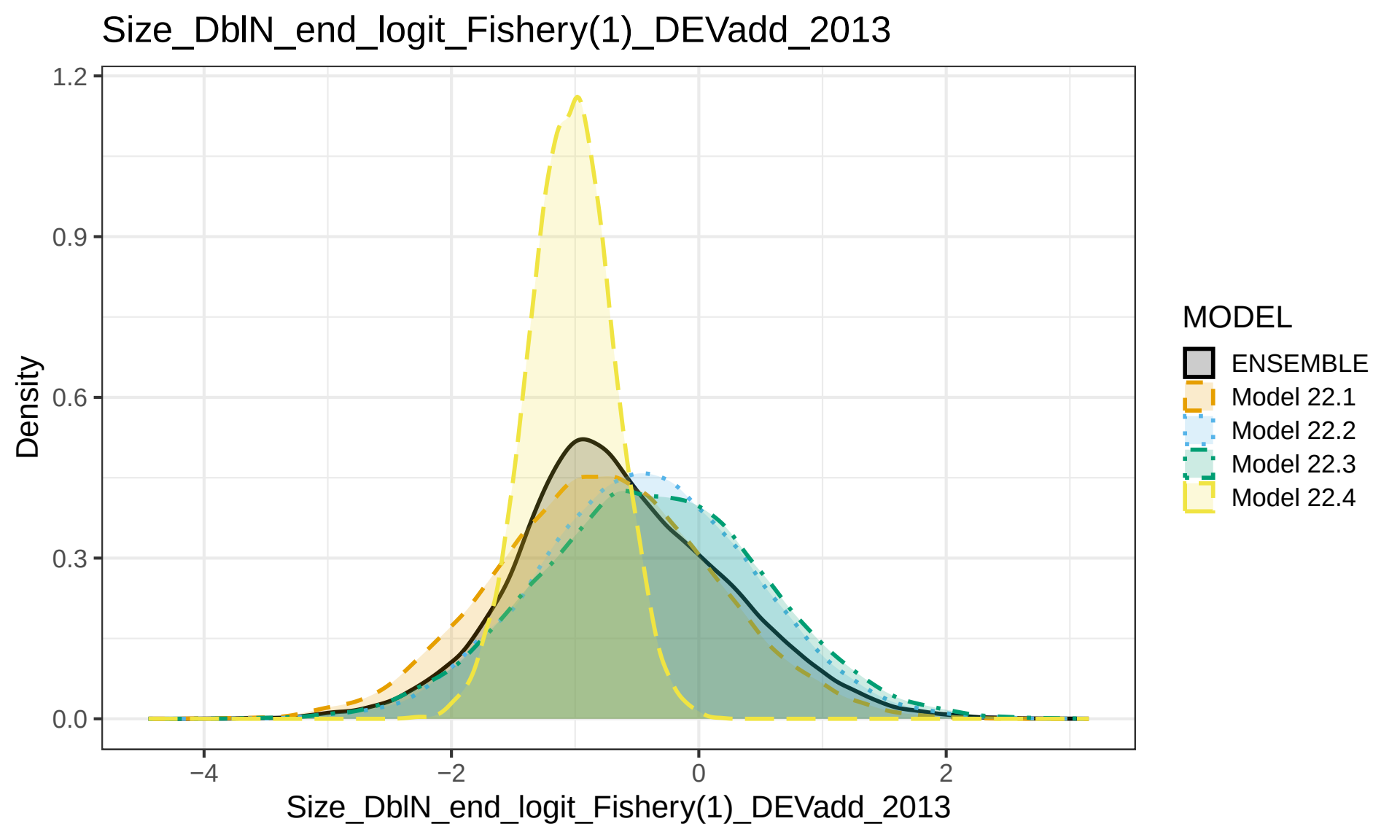

Size_DblN_end_logit_Fishery(1)_DEVadd_2008
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

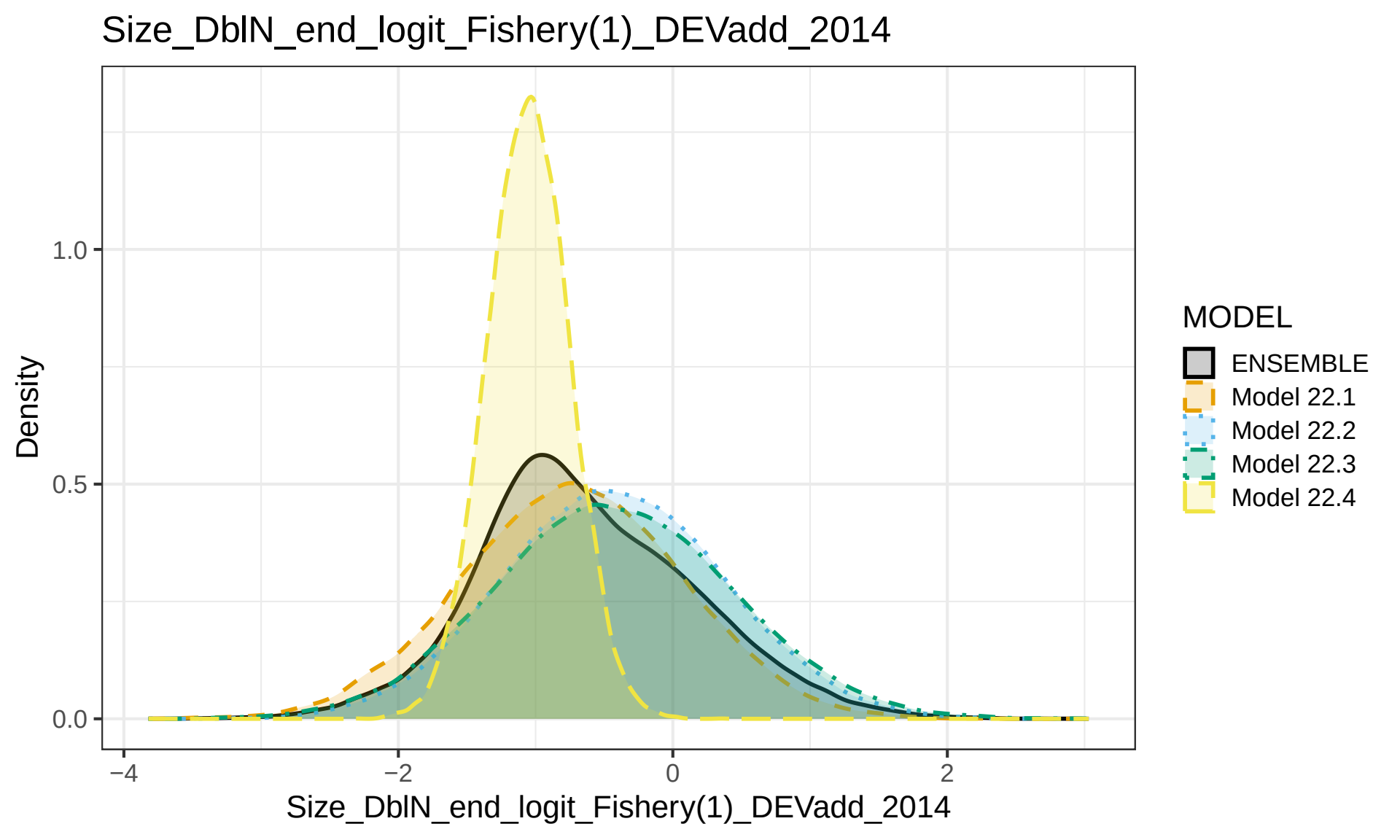

Size_DblN_end_logit_Fishery(1)_DEVadd_2009
Density
0.0
0.2
0.4
0.6
−5.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

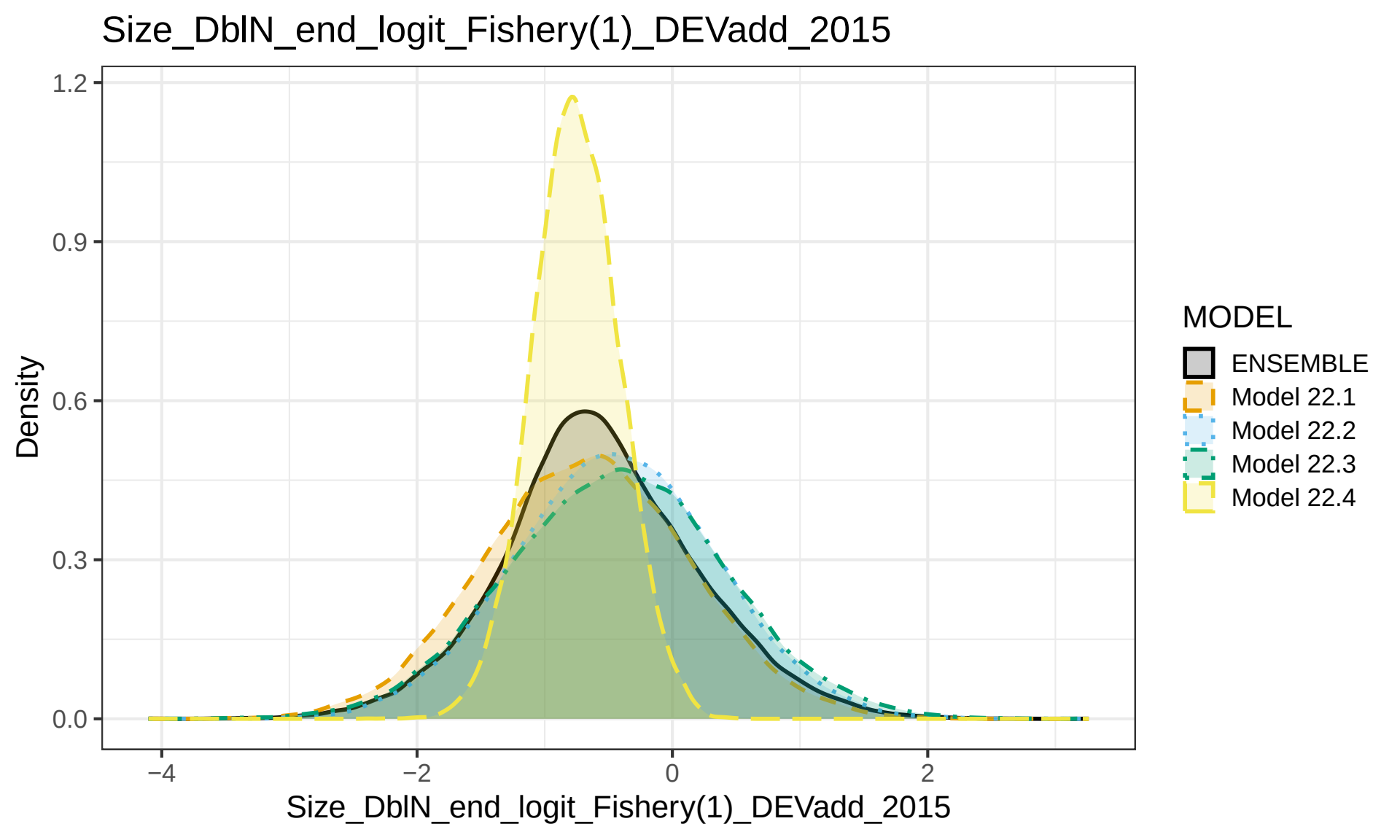

Size_DblN_end_logit_Fishery(1)_DEVadd_2010
Density
0.6
0.4
0.2
0.0
−5.0
−2.5
0.0
2.5
Size_DblN_end_logit_Fishery(1)_DEVadd_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

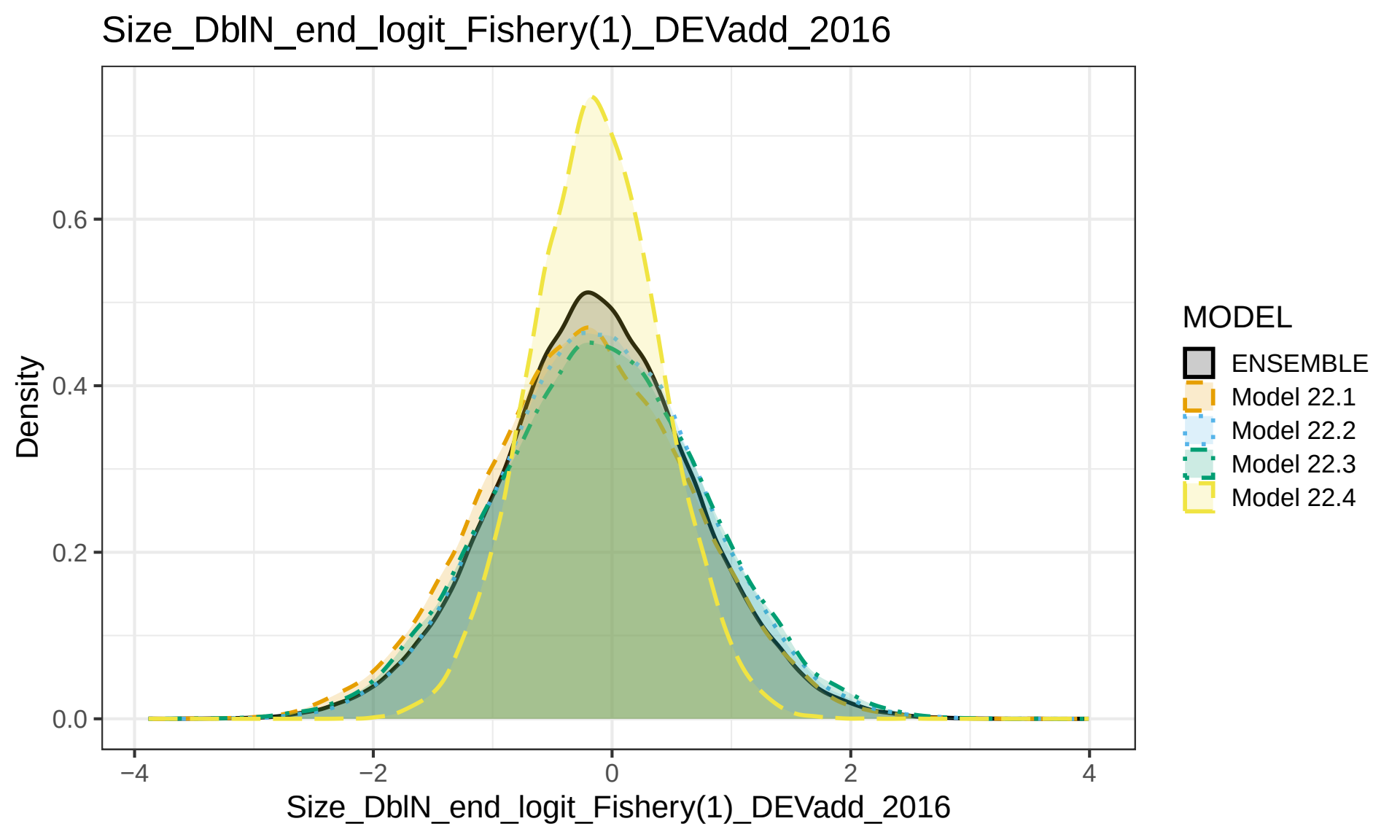

Size_DblN_end_logit_Fishery(1)_DEVadd_2011
Density
0.75
0.50
0.25
0.00
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

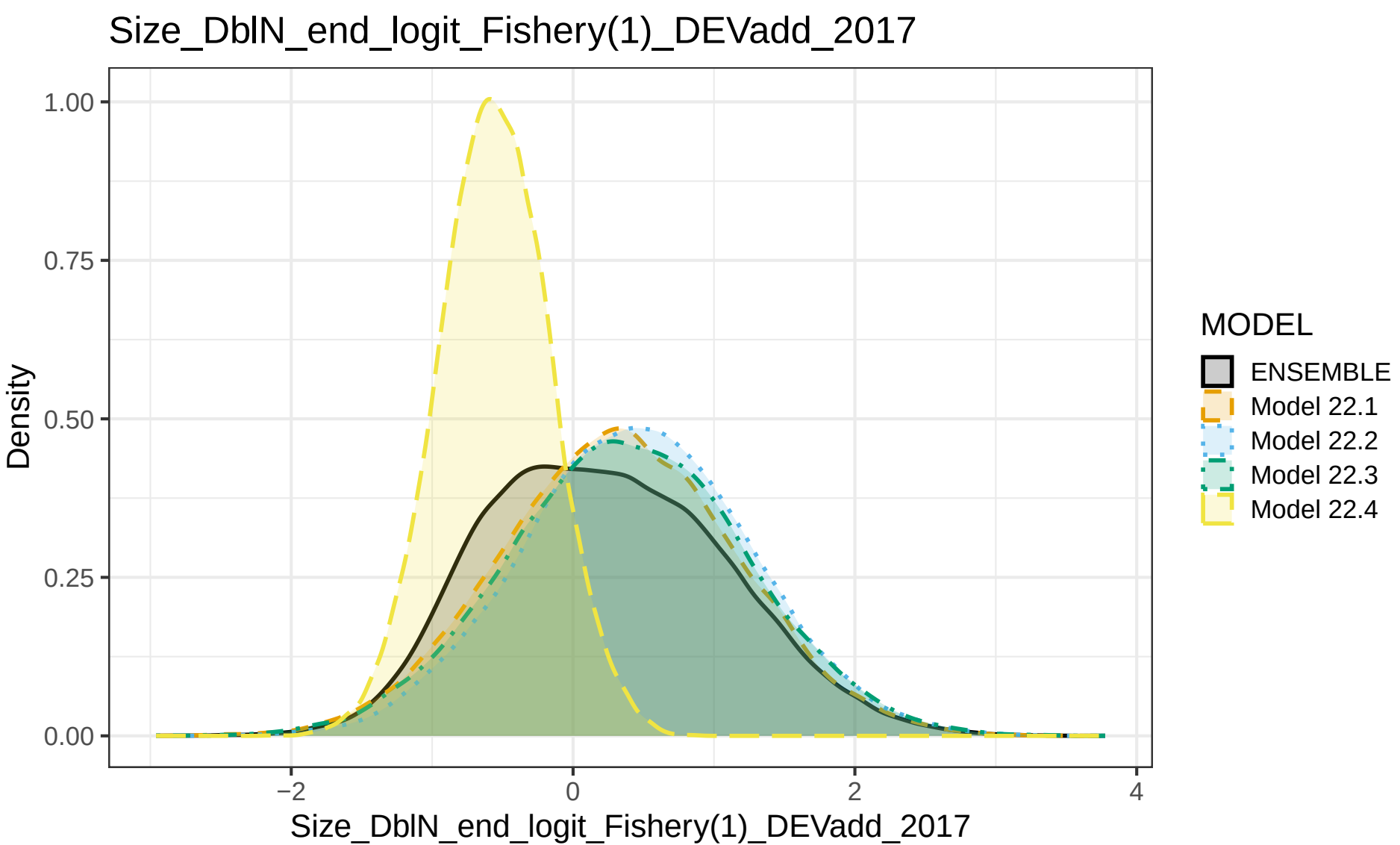

Size_DblN_end_logit_Fishery(1)_DEVadd_2012
Density
0.0
0.2
0.4
0.6
0.8
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

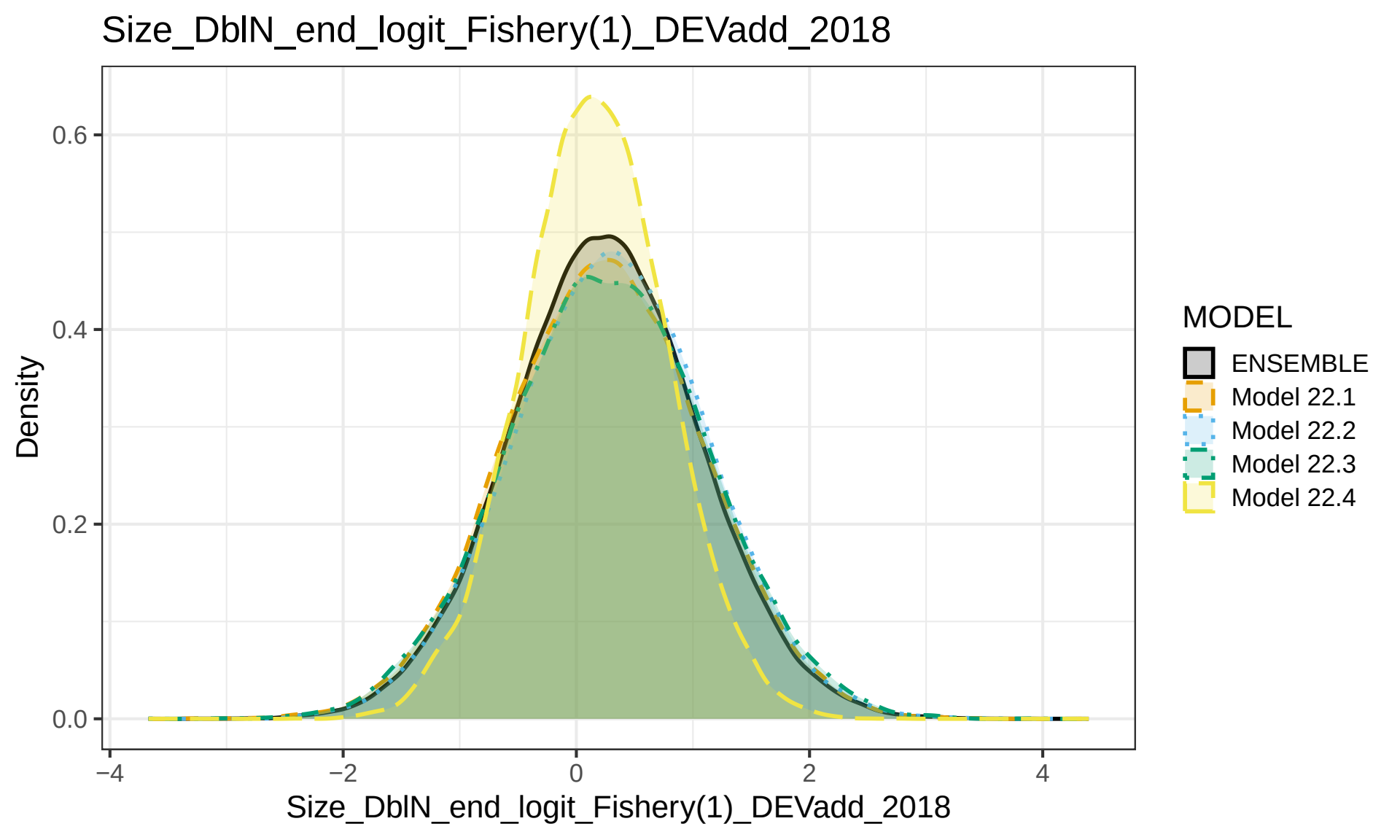

Size_DblN_end_logit_Fishery(1)_DEVadd_2013
Density
1.2
0.9
0.6
0.3
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

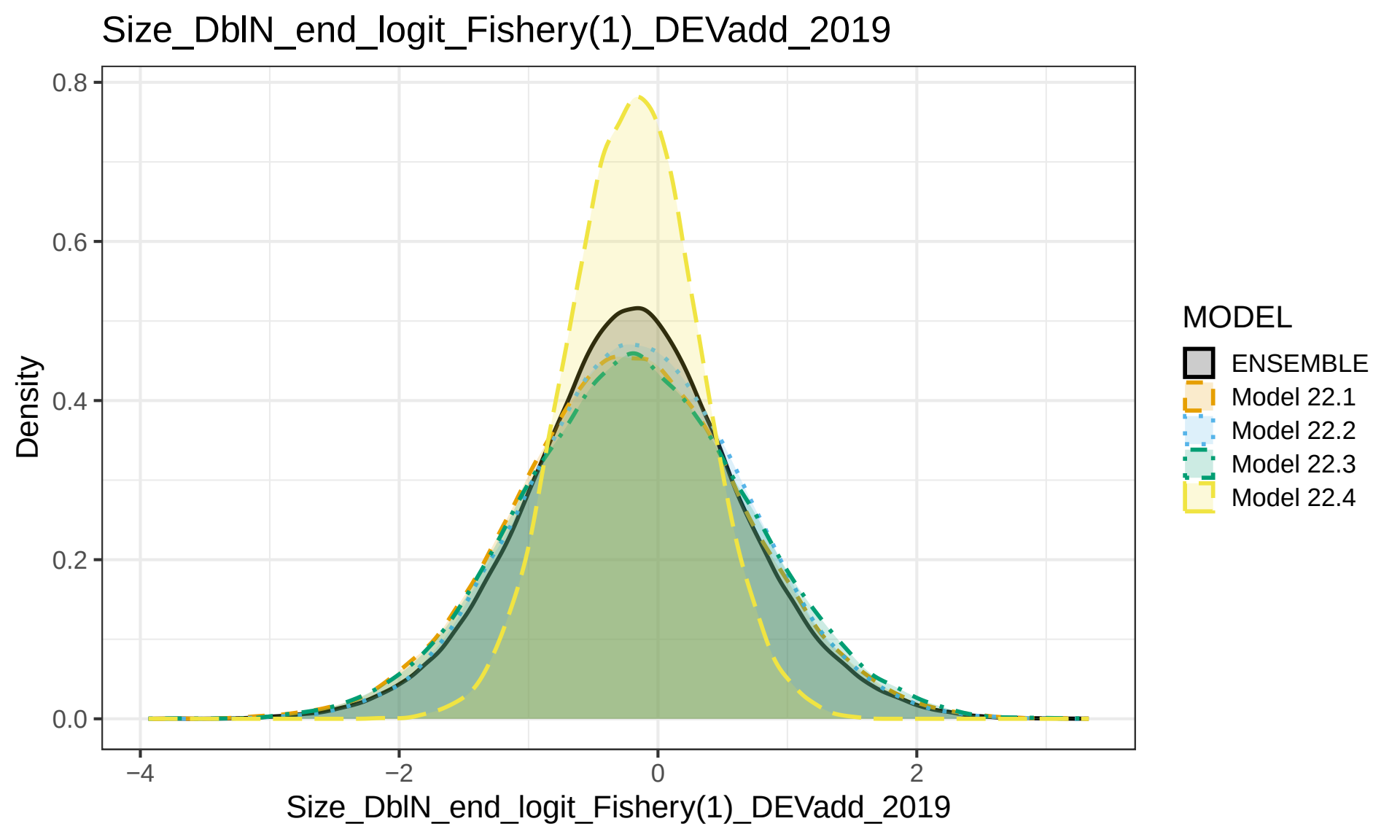

Size_DblN_end_logit_Fishery(1)_DEVadd_2014
Density
1.0
0.5
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

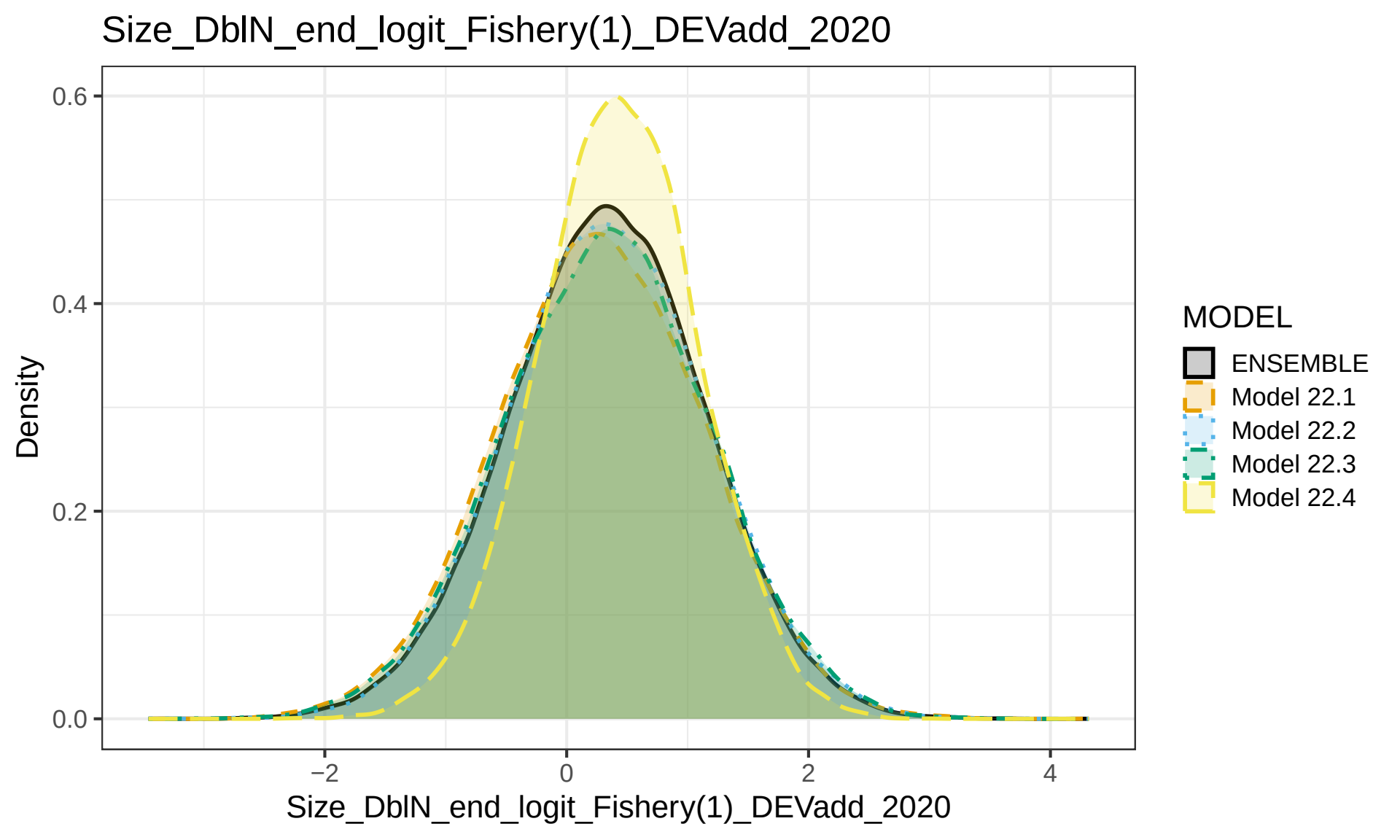

Size_DblN_end_logit_Fishery(1)_DEVadd_2015
1.2
0.9
0.6
0.3
0.0
Density
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

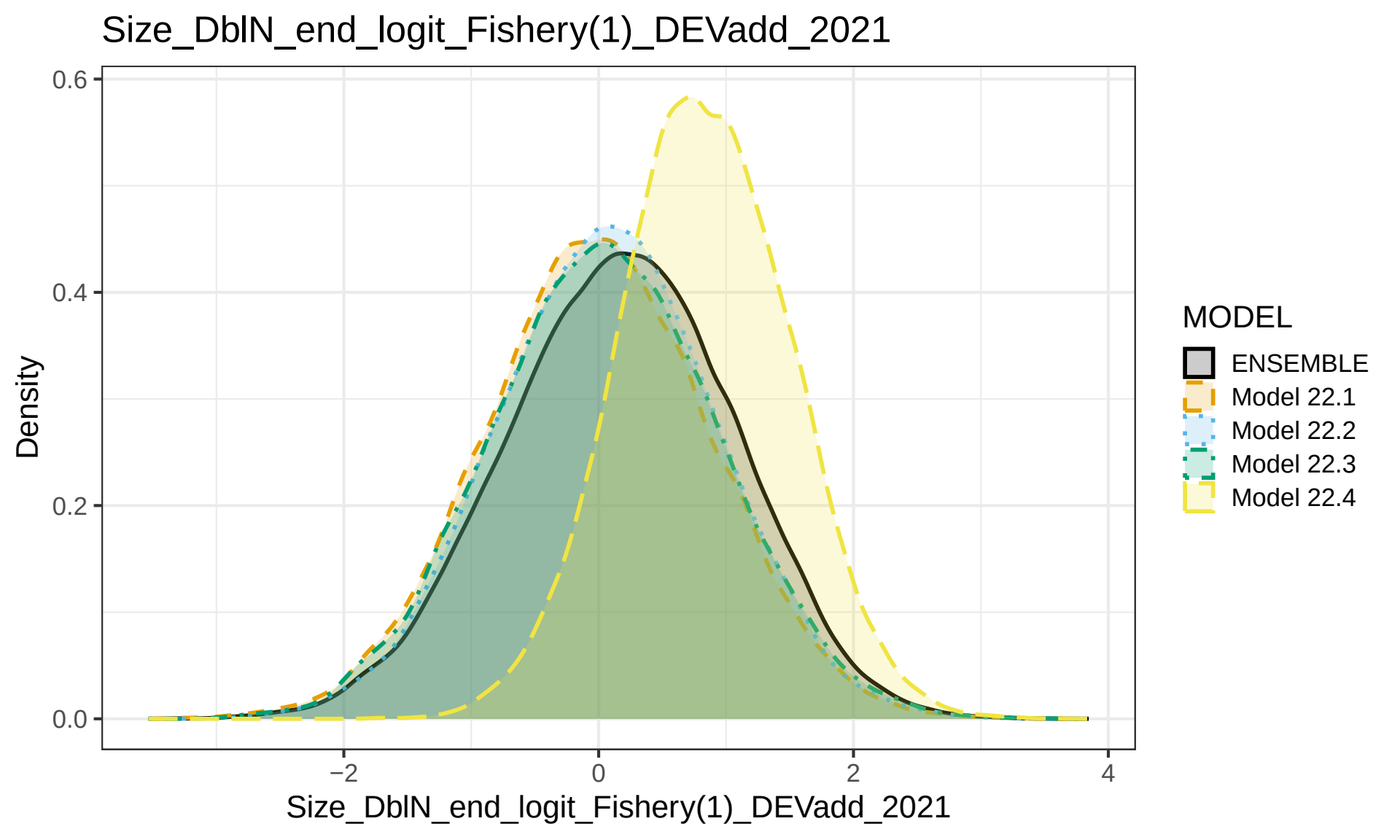

Size_DblN_end_logit_Fishery(1)_DEVadd_2016
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

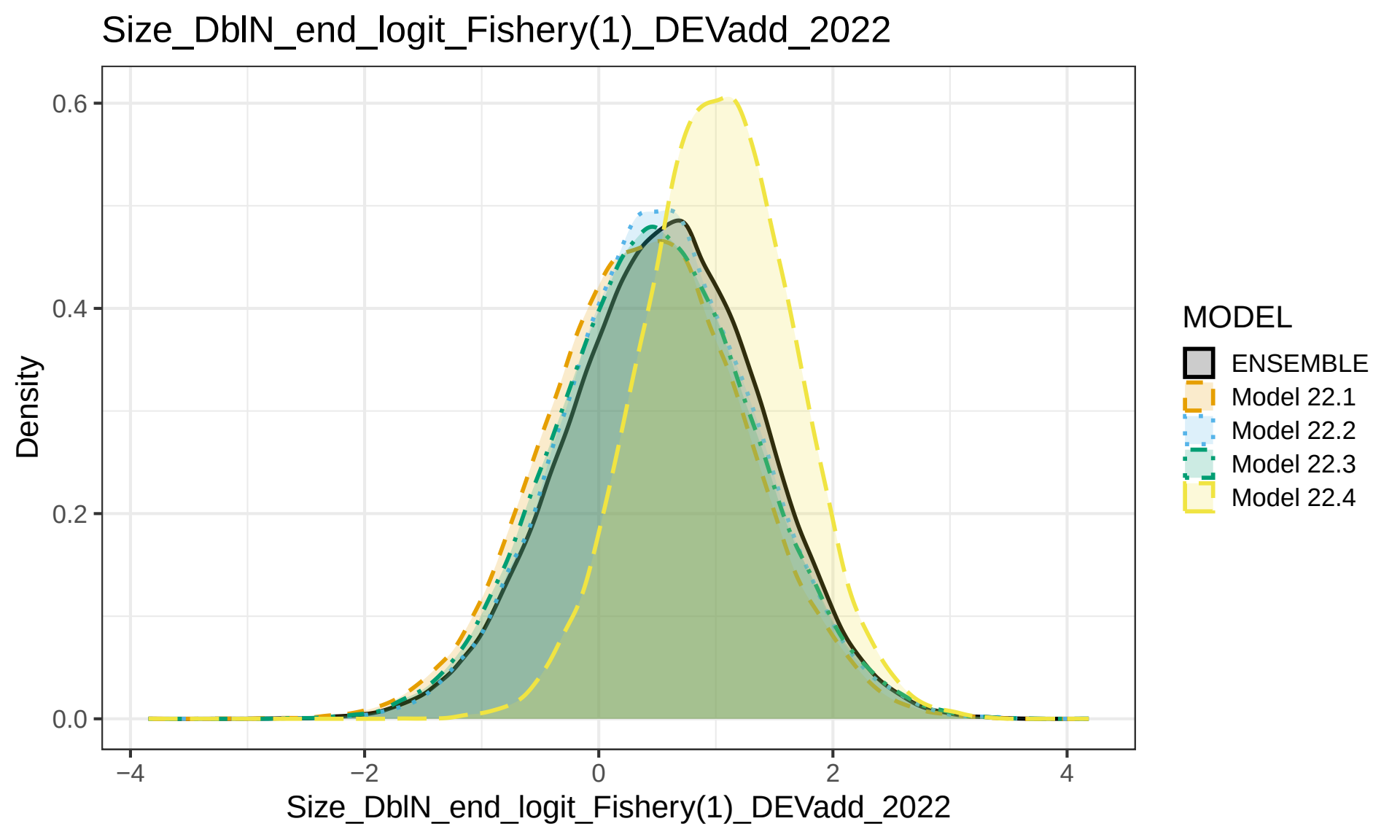

Size_DblN_end_logit_Fishery(1)_DEVadd_2017
1.00
0.75
0.50
0.25
0.00
Density
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

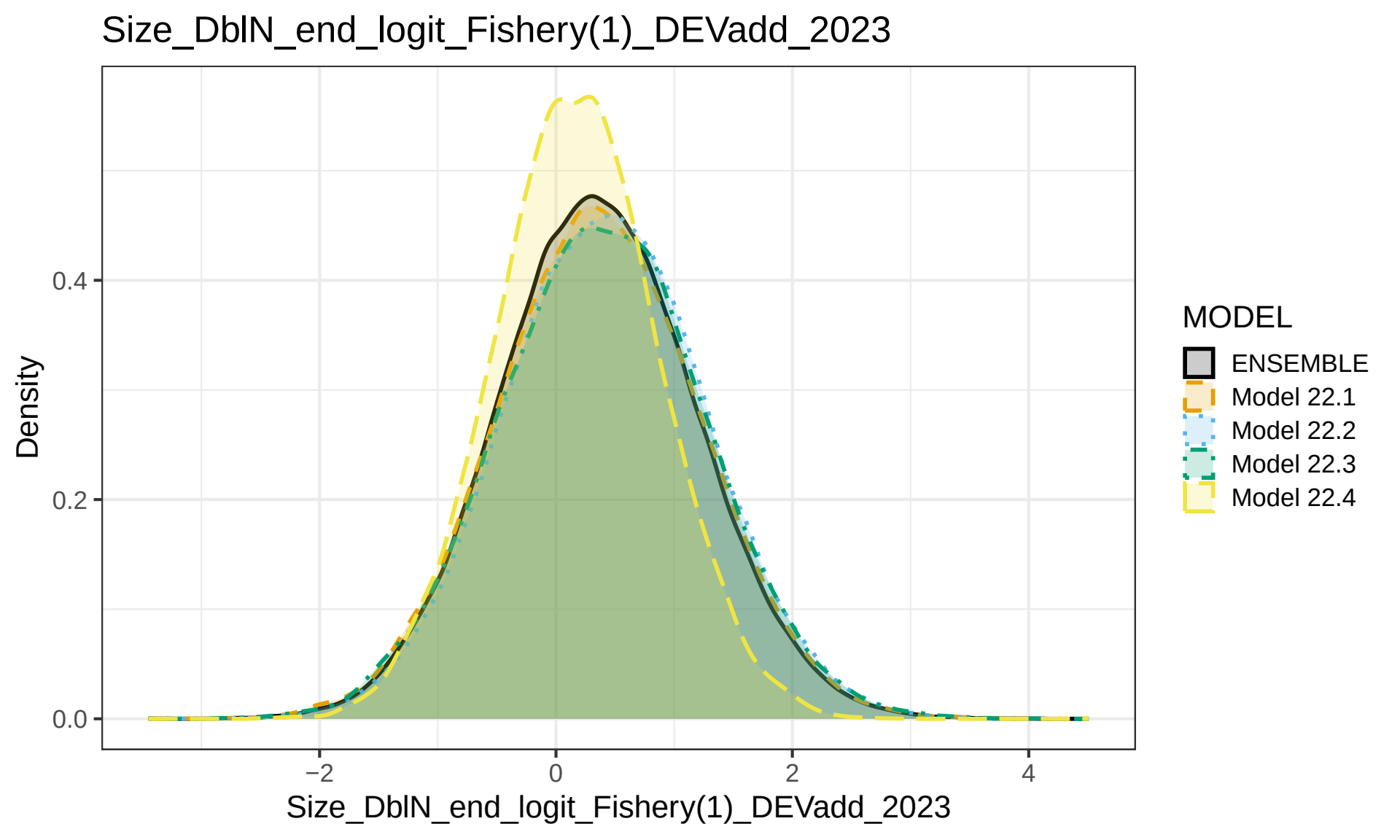

Size_DblN_end_logit_Fishery(1)_DEVadd_2018
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

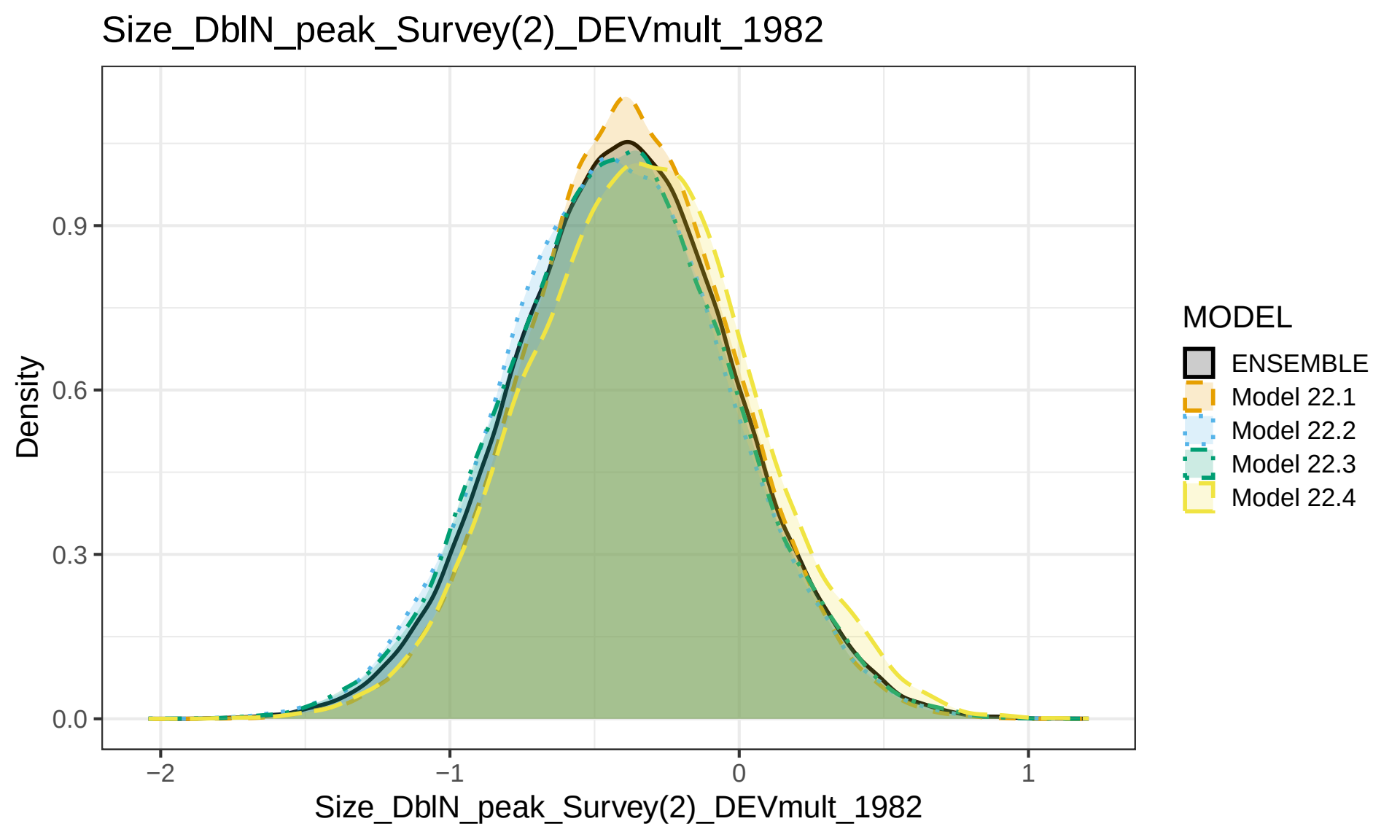

Size_DblN_end_logit_Fishery(1)_DEVadd_2019
Density
0.8
0.6
0.4
0.2
0.0
−4
−2
0
2
Size_DblN_end_logit_Fishery(1)_DEVadd_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

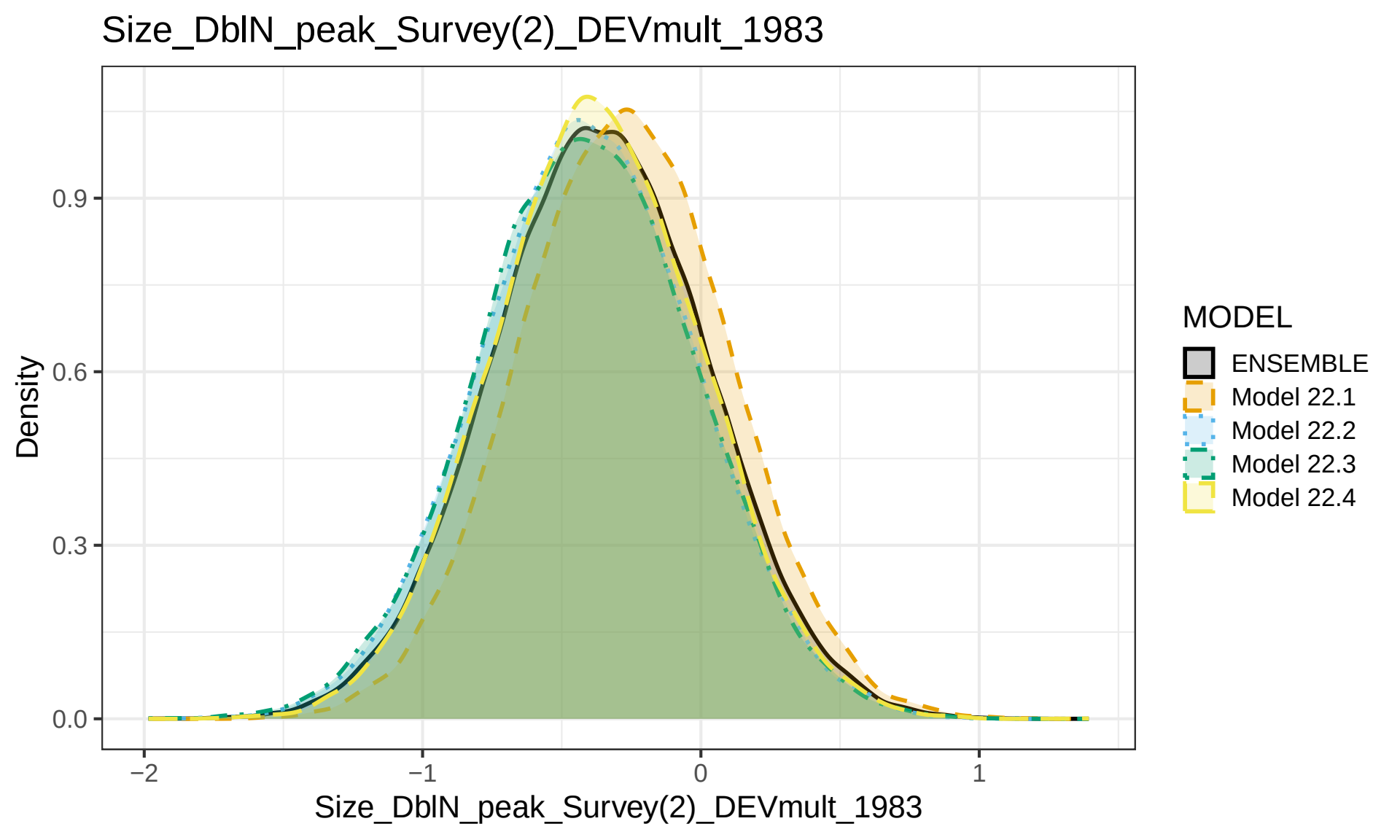

Size_DblN_end_logit_Fishery(1)_DEVadd_2020
Density
0.6
0.4
0.2
0.0
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

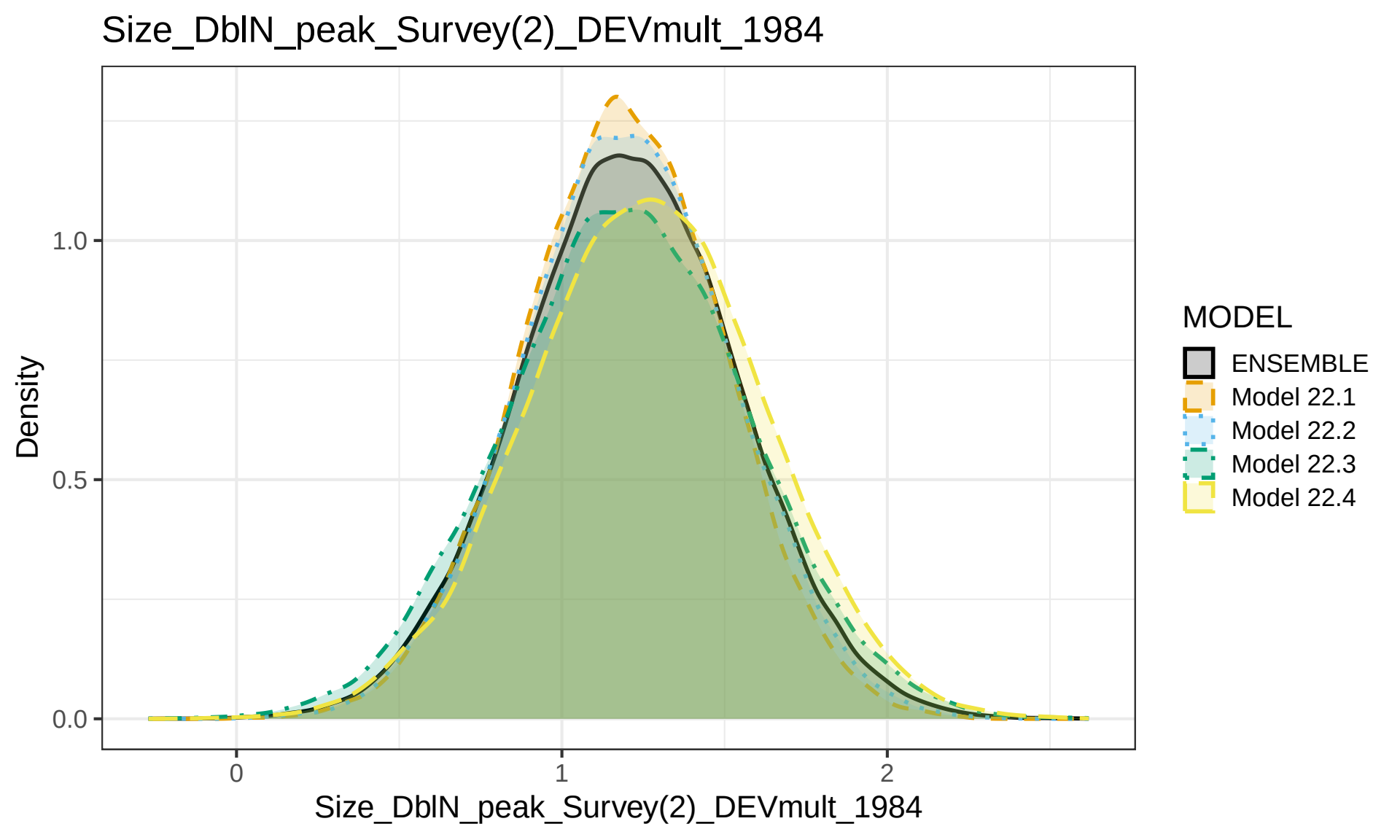

Size_DblN_end_logit_Fishery(1)_DEVadd_2021
0.6
0.4
0.2
0.0
Density
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

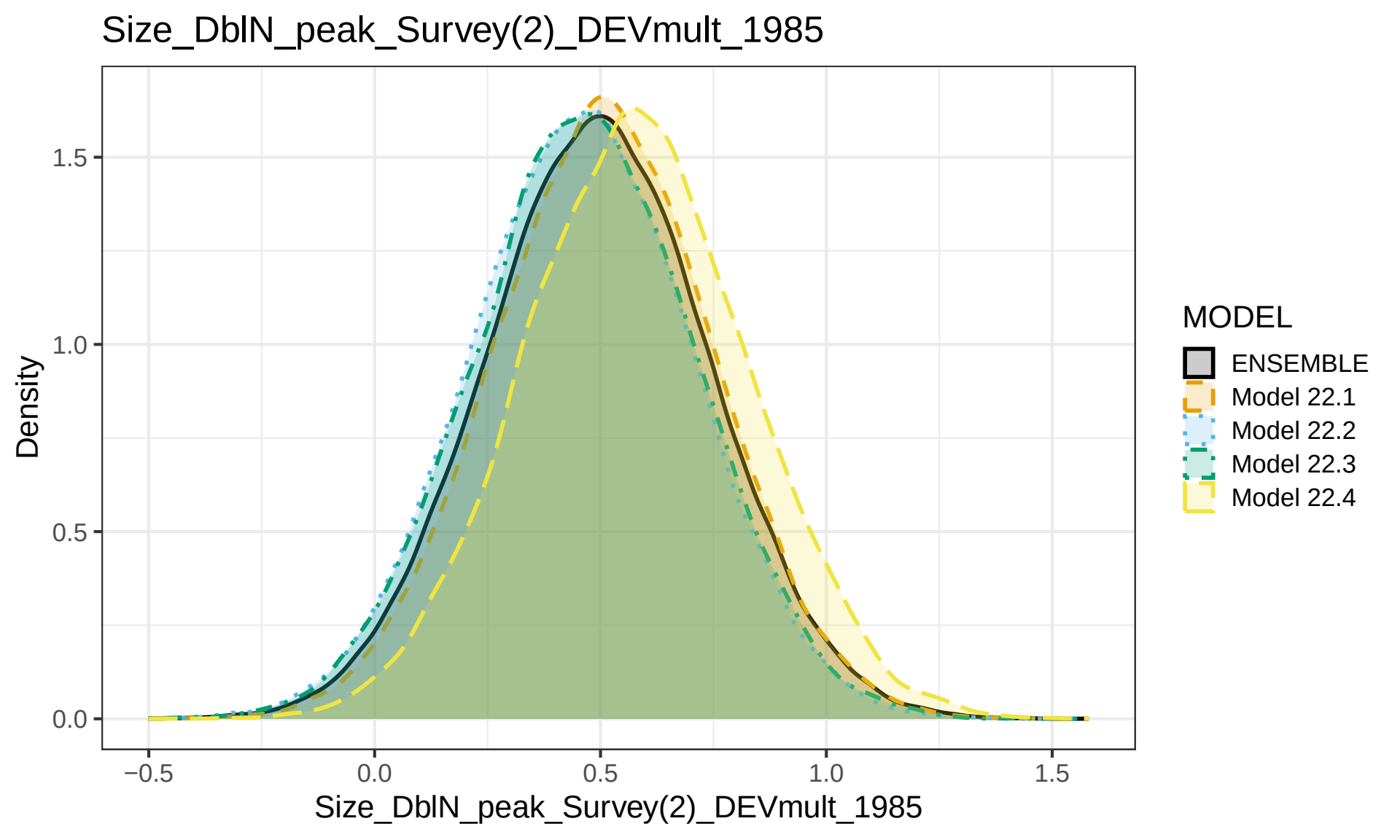

Size_DblN_end_logit_Fishery(1)_DEVadd_2022
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

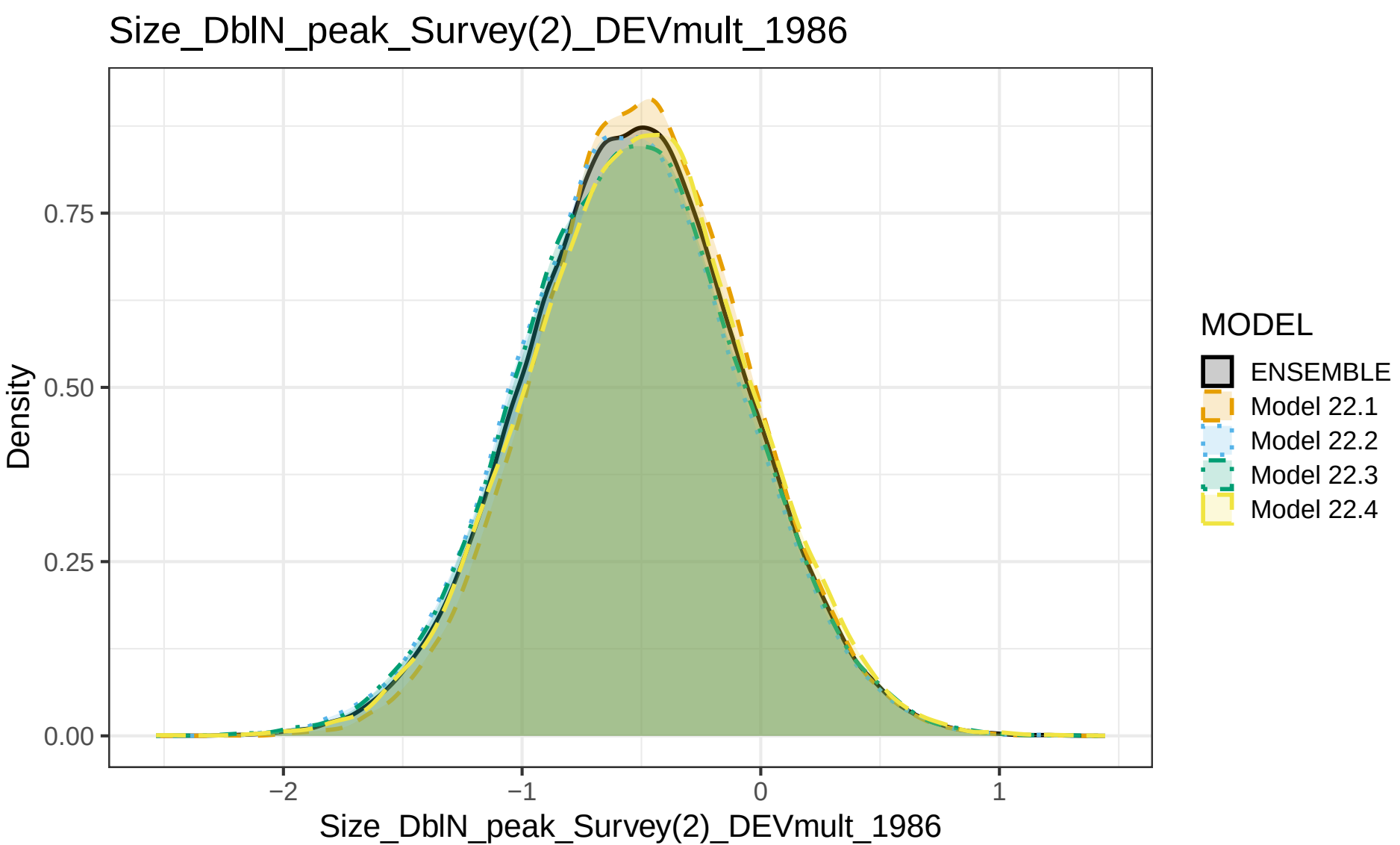

Size_DblN_end_logit_Fishery(1)_DEVadd_2023
Density
0.0
0.2
0.4
−2
0
2
4
Size_DblN_end_logit_Fishery(1)_DEVadd_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

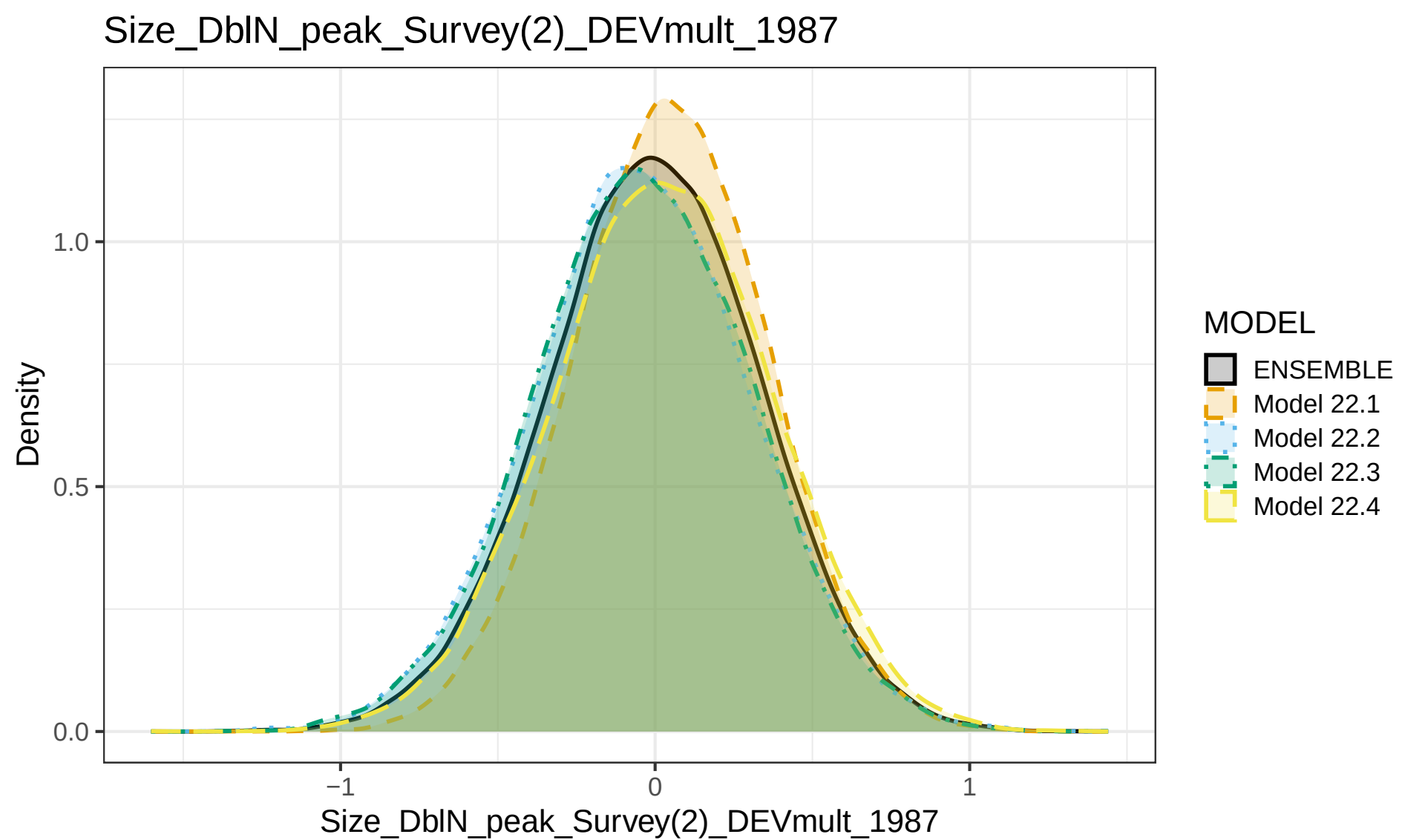

Size_DblN_peak_Survey(2)_DEVmult_1982
Density
0.0
0.3
0.6
0.9
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

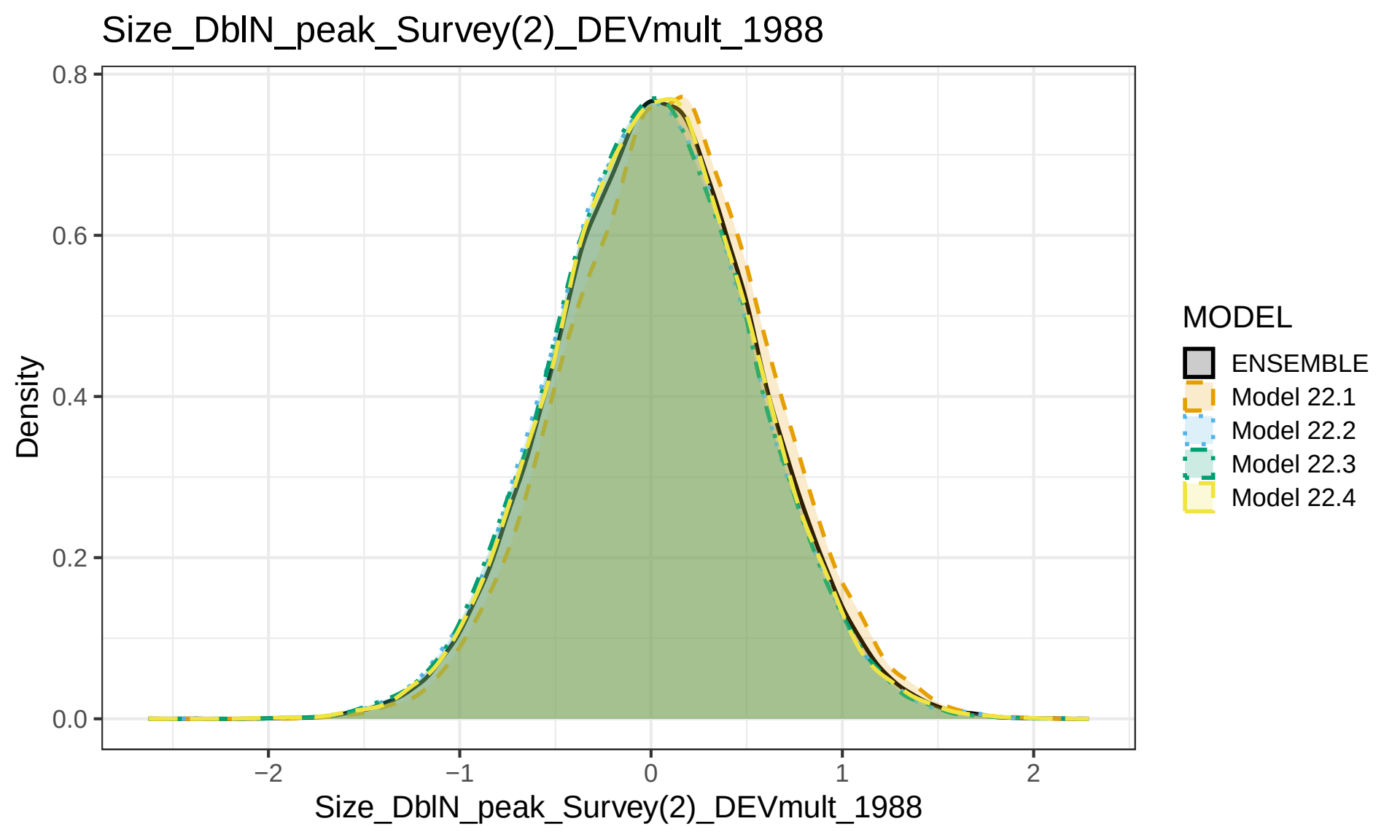

Size_DblN_peak_Survey(2)_DEVmult_1983
Density
0.0
0.3
0.6
0.9
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

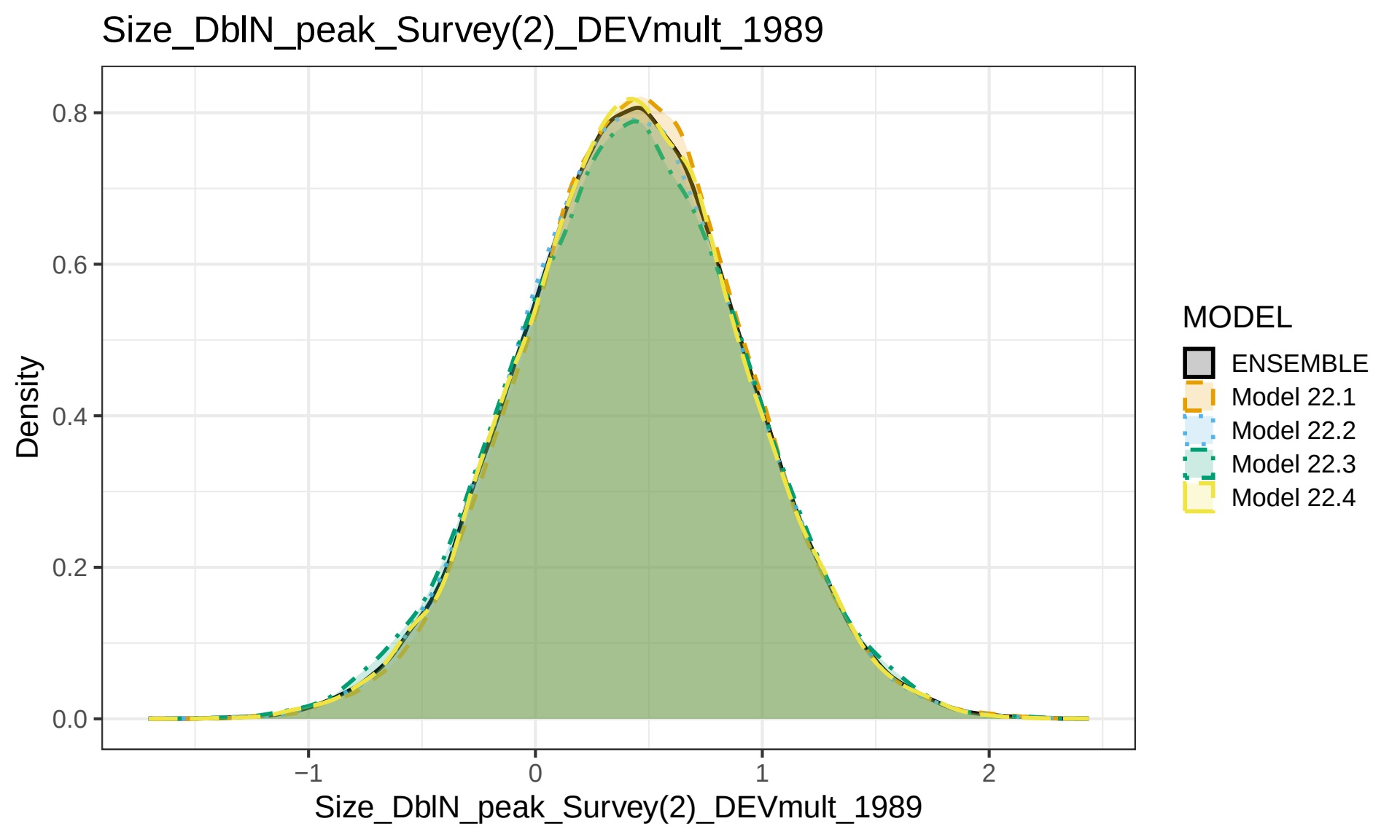

Size_DblN_peak_Survey(2)_DEVmult_1984
Density
1.0
0.5
0.0
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

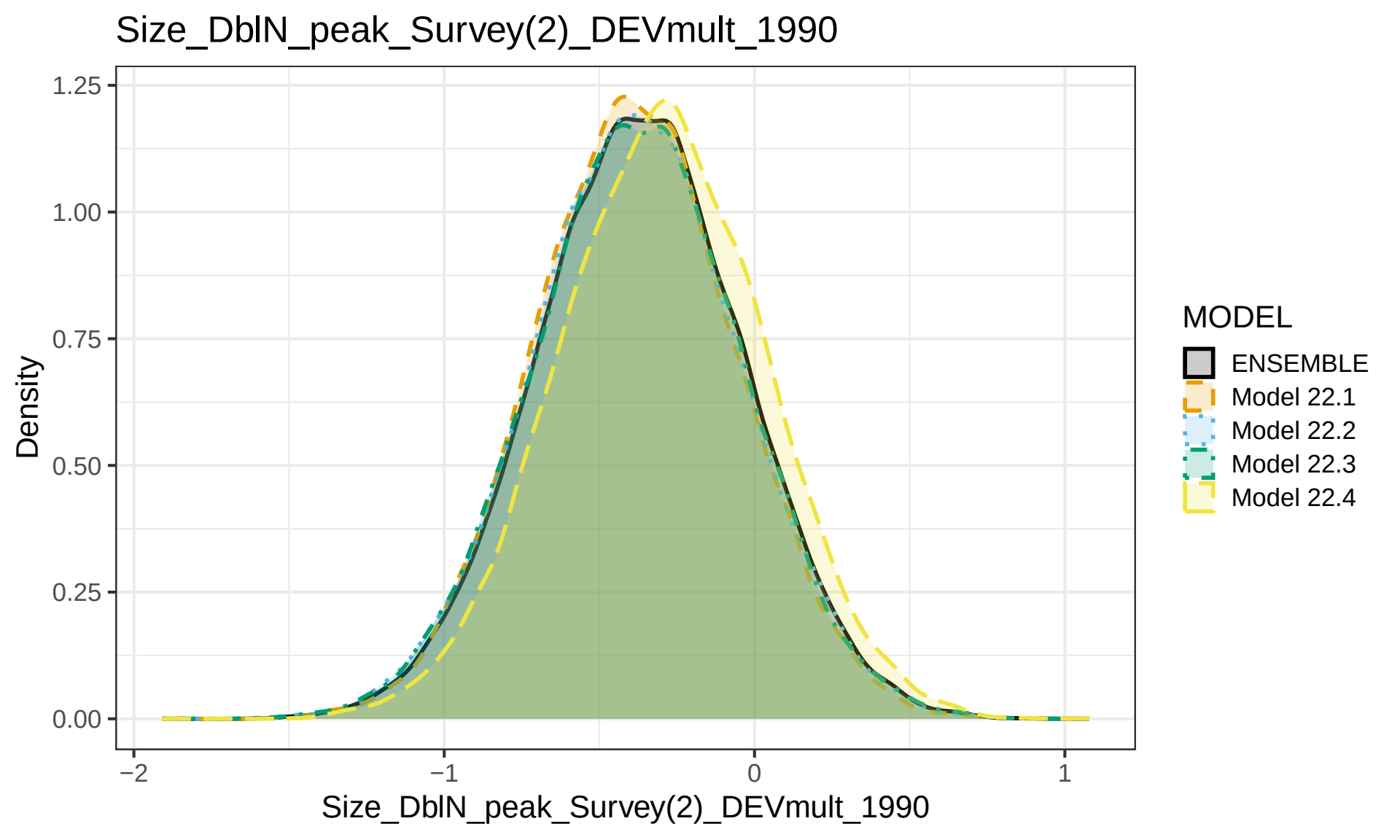

Size_DblN_peak_Survey(2)_DEVmult_1985
Density
1.5
1.0
0.5
0.0
−0.5
0.0
0.5
1.0
1.5
Size_DblN_peak_Survey(2)_DEVmult_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

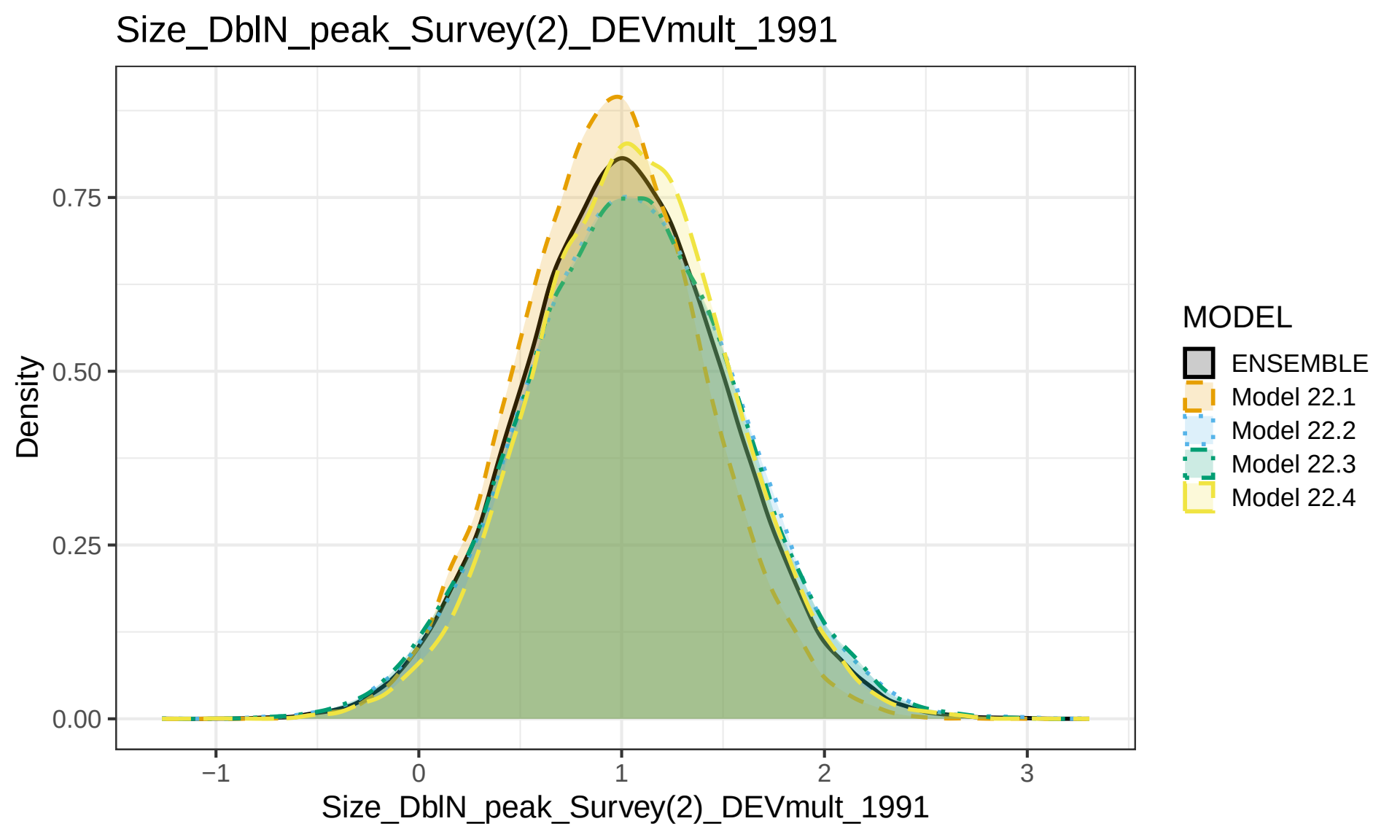

Size_DblN_peak_Survey(2)_DEVmult_1986
Density
0.00
0.25
0.50
0.75
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

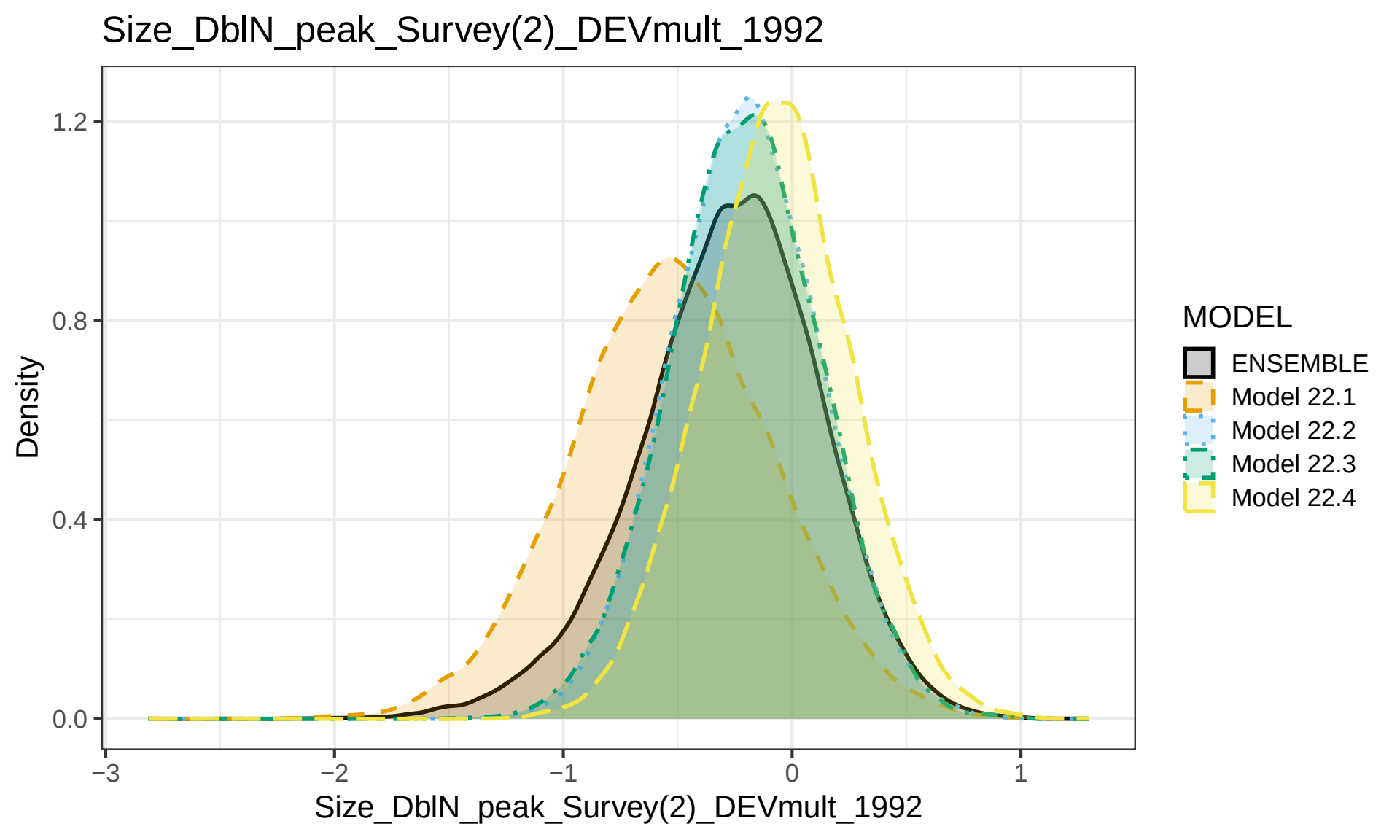

Size_DblN_peak_Survey(2)_DEVmult_1987
Density
1.0
0.5
0.0
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

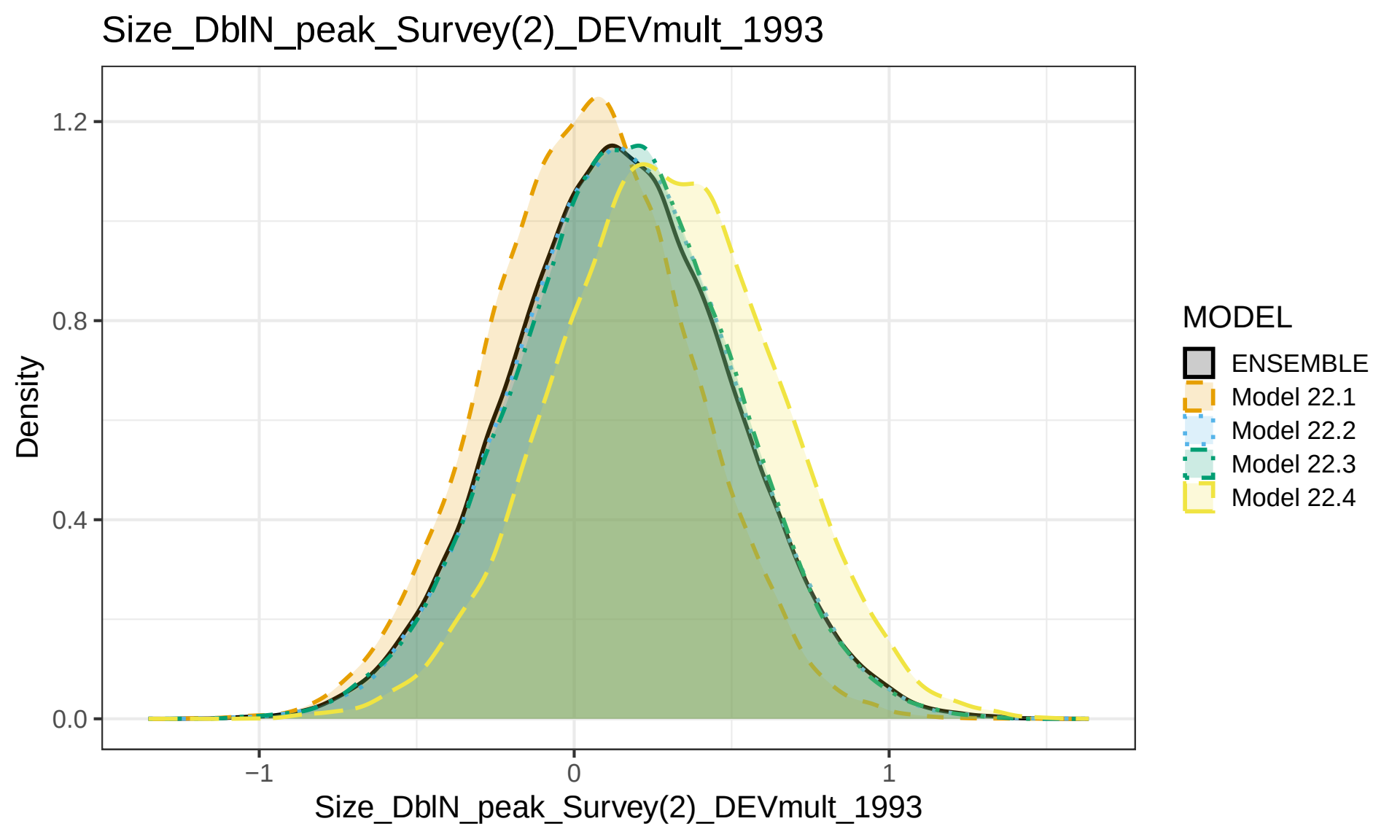

Size_DblN_peak_Survey(2)_DEVmult_1988
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

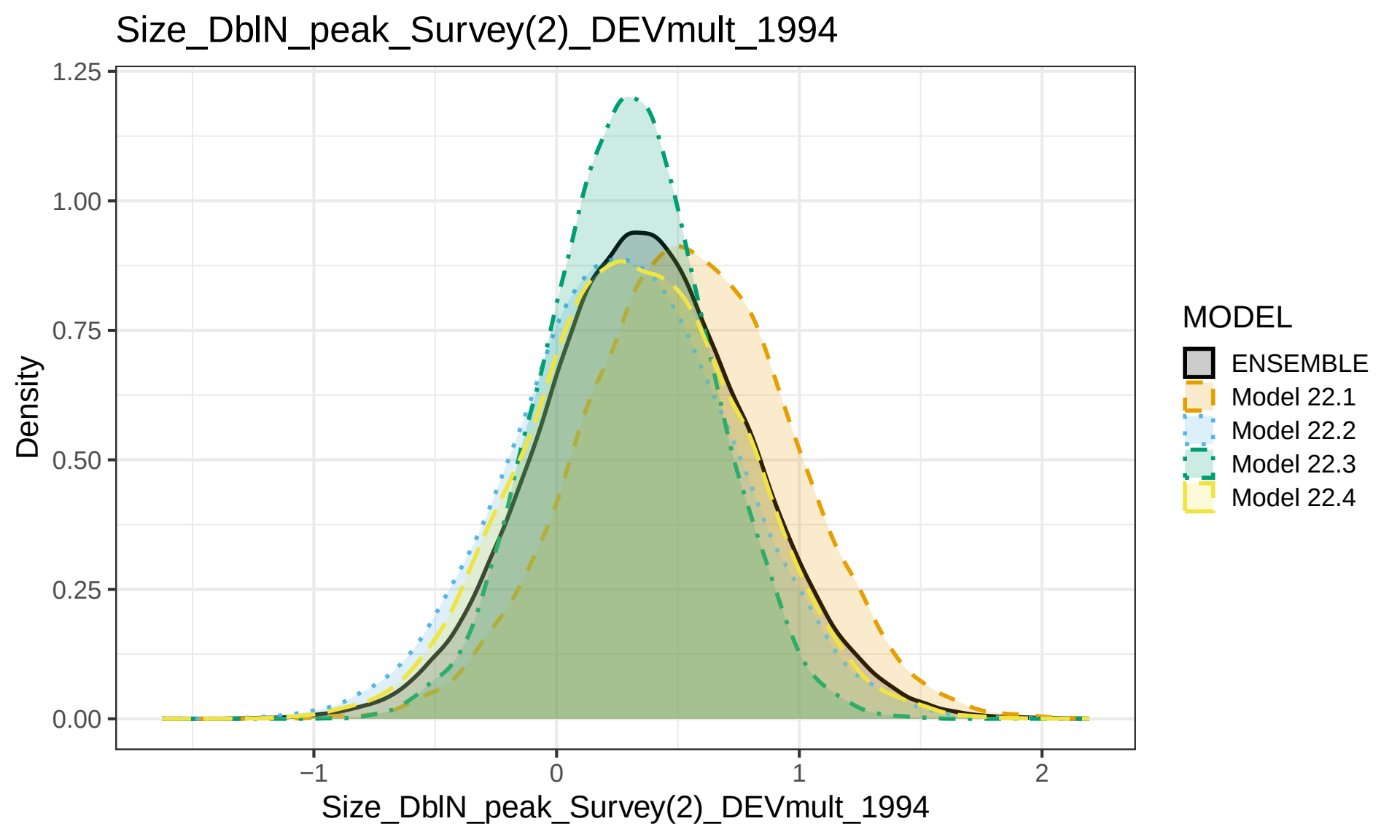

Size_DblN_peak_Survey(2)_DEVmult_1989
Density
0.0
0.2
0.4
0.6
0.8
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

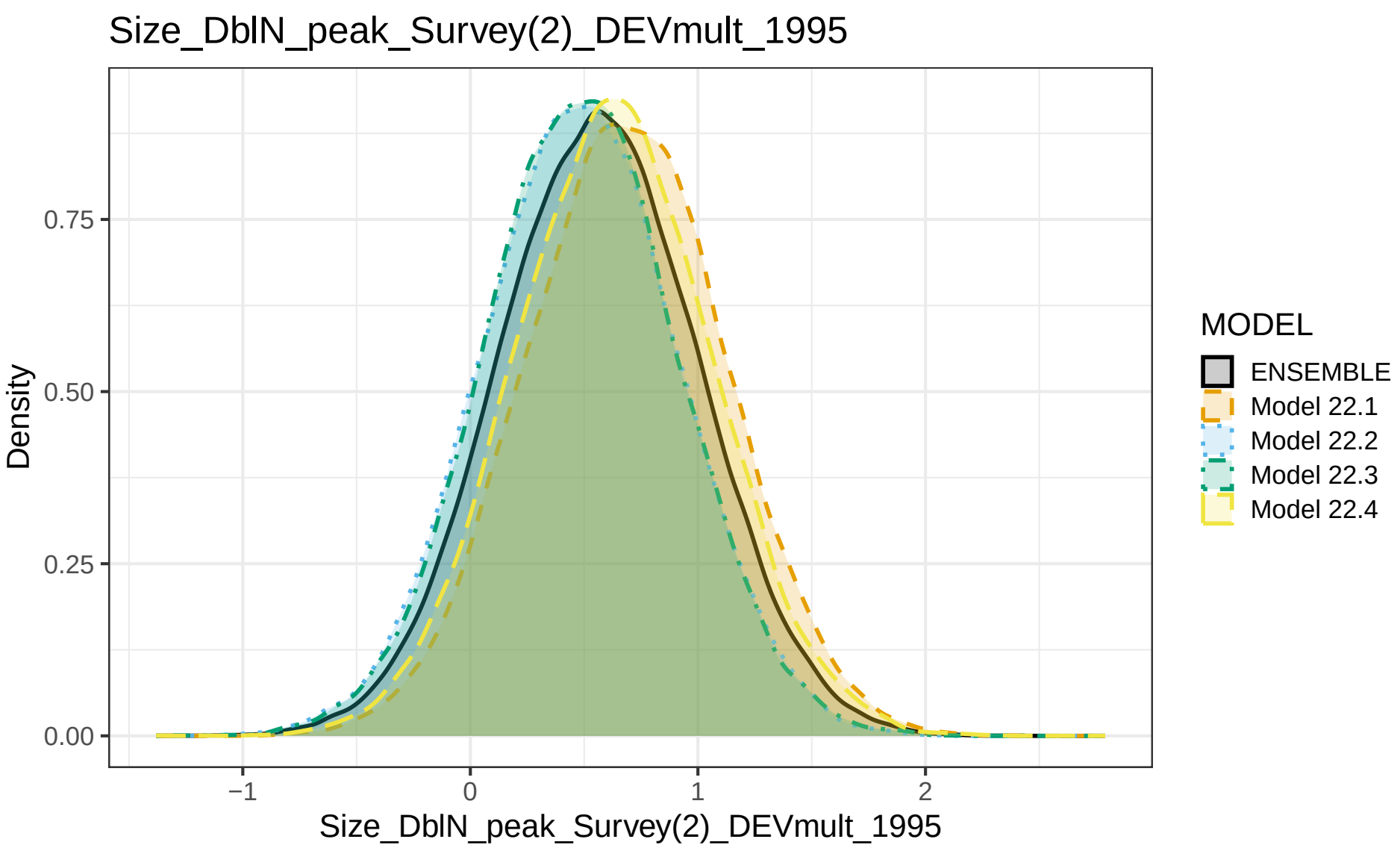

Size_DblN_peak_Survey(2)_DEVmult_1990
1.25
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

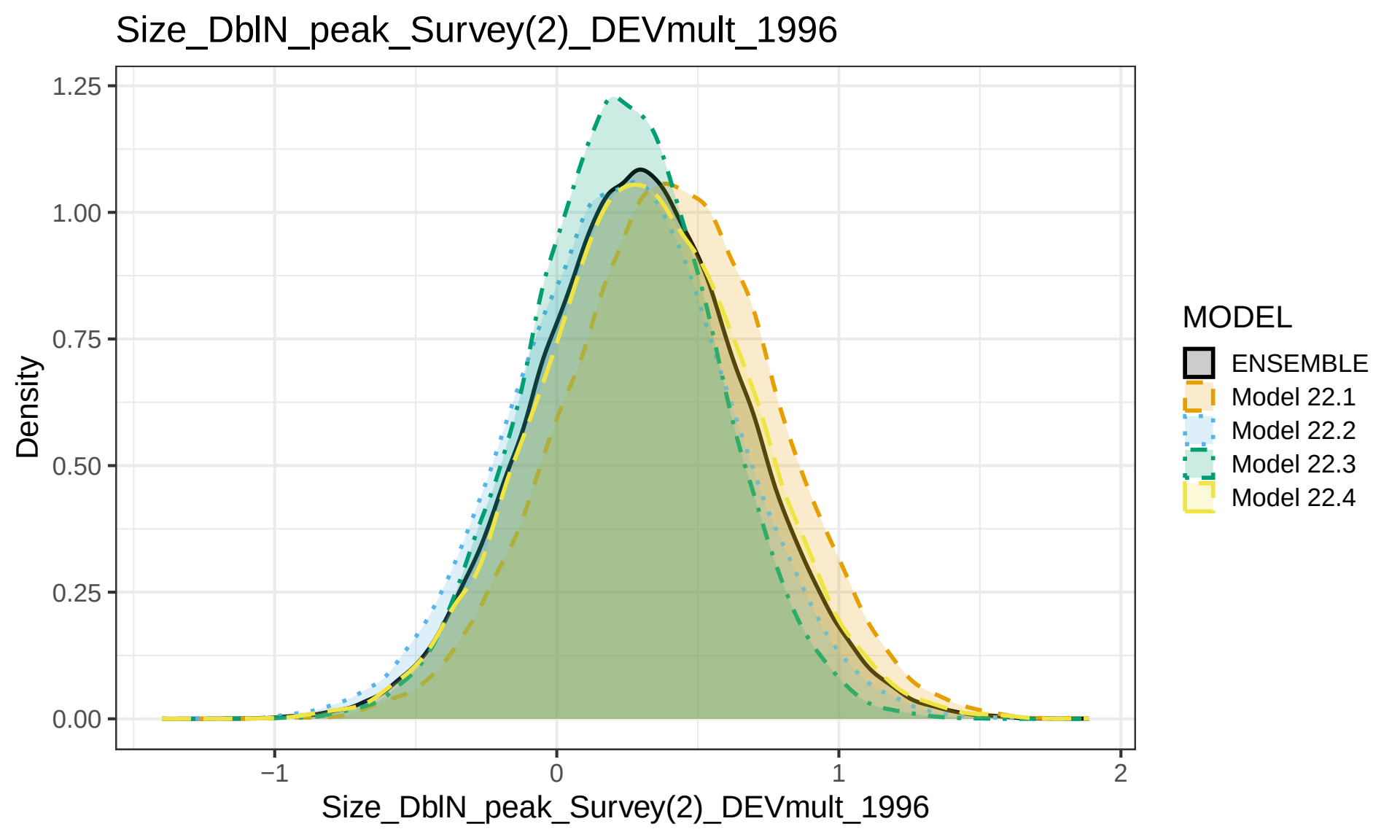

Size_DblN_peak_Survey(2)_DEVmult_1991
Density
0.00
0.25
0.50
0.75
−1
0
1
2
3
Size_DblN_peak_Survey(2)_DEVmult_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

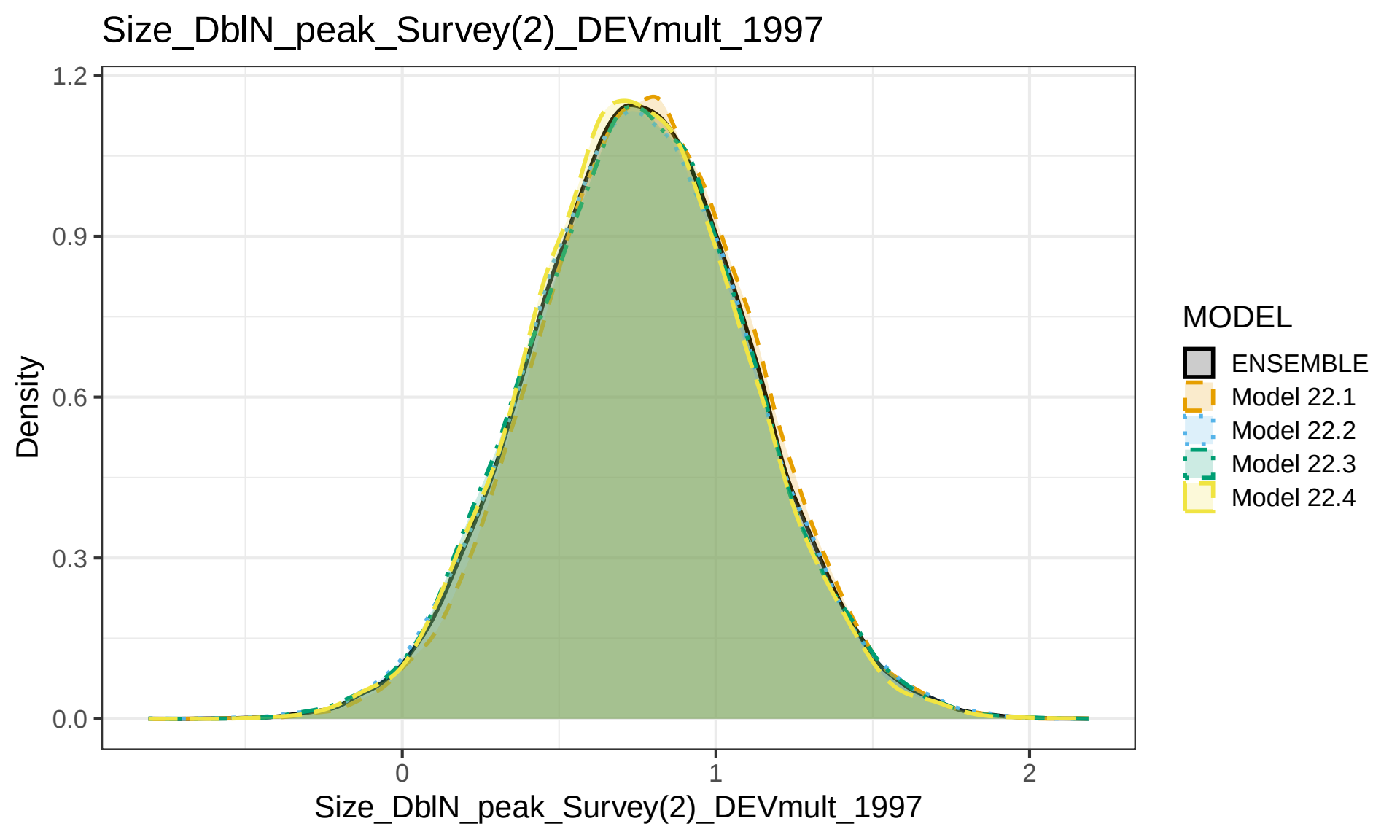

Size_DblN_peak_Survey(2)_DEVmult_1992
Density
1.2
0.8
0.4
0.0
−3
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

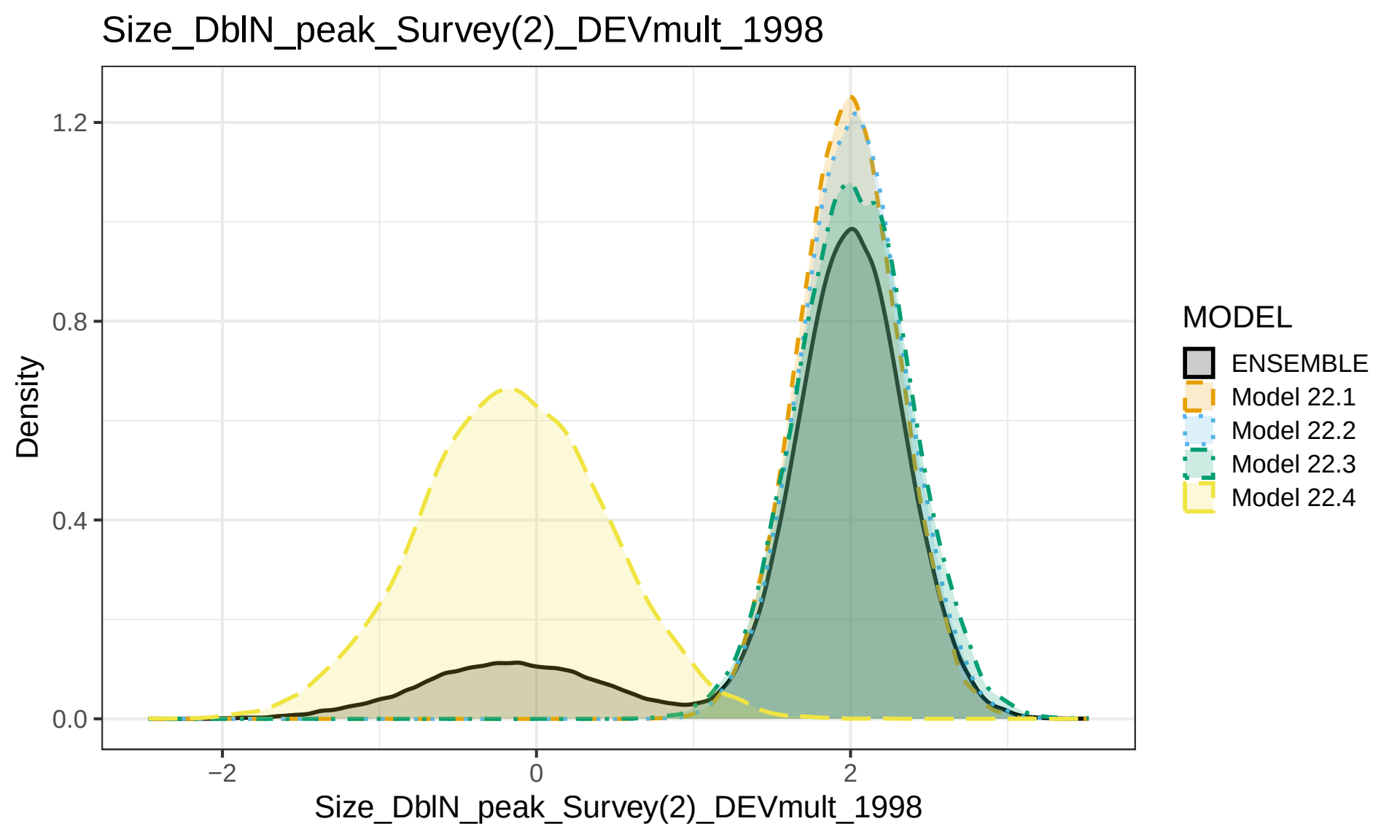

Size_DblN_peak_Survey(2)_DEVmult_1993
1.2
0.8
0.4
0.0
Density
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

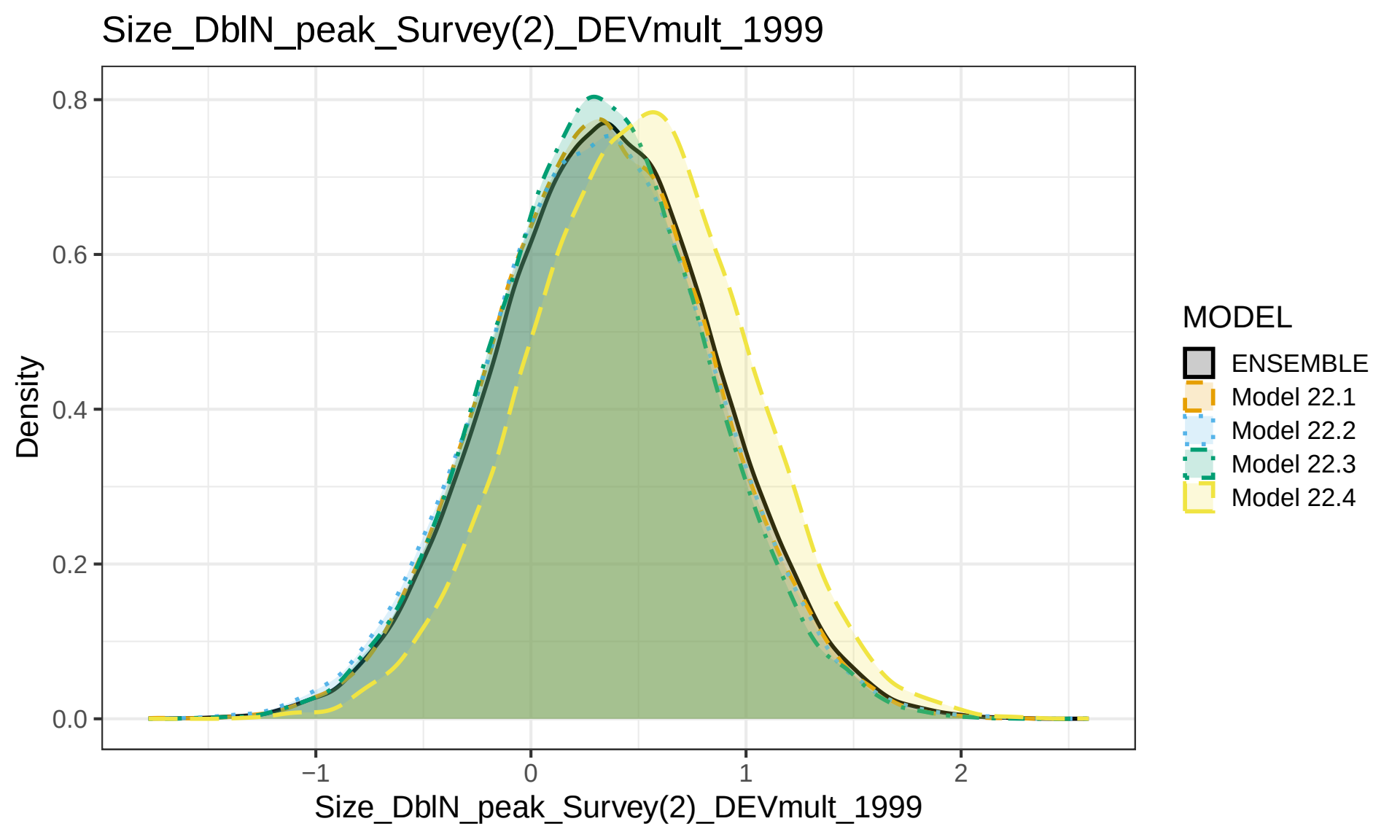

Size_DblN_peak_Survey(2)_DEVmult_1994
1.25
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

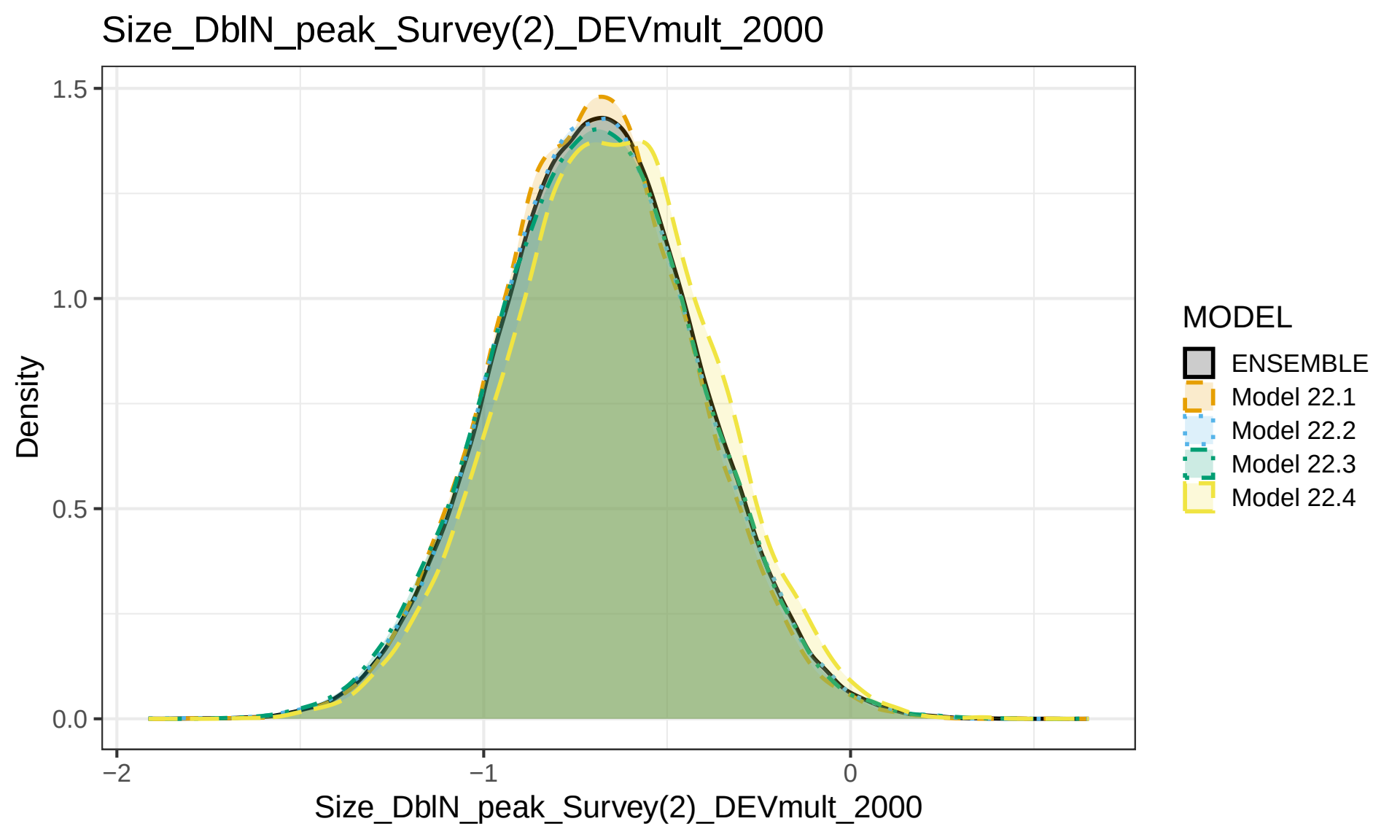

Size_DblN_peak_Survey(2)_DEVmult_1995
Density
0.00
0.25
0.50
0.75
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

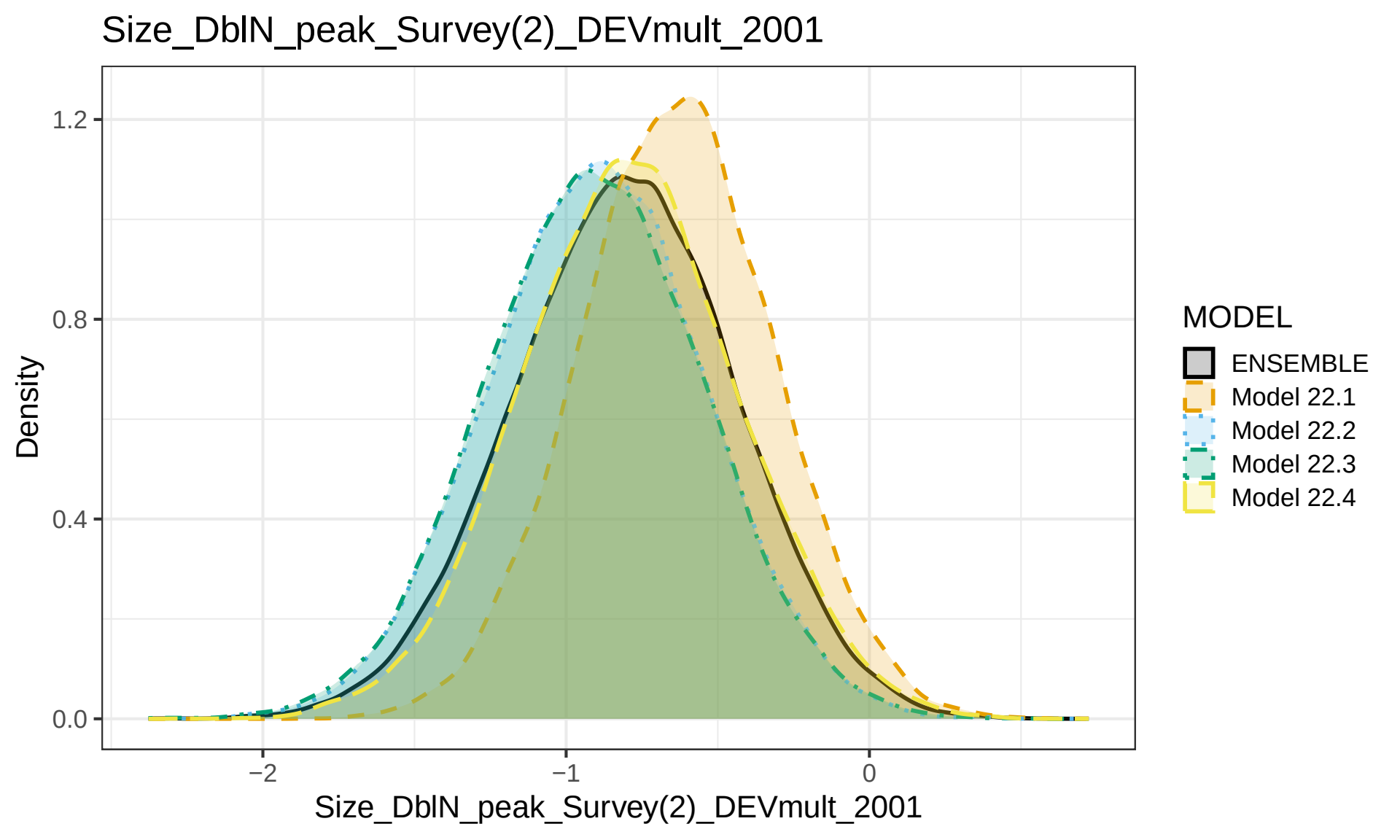

Size_DblN_peak_Survey(2)_DEVmult_1996
1.25
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

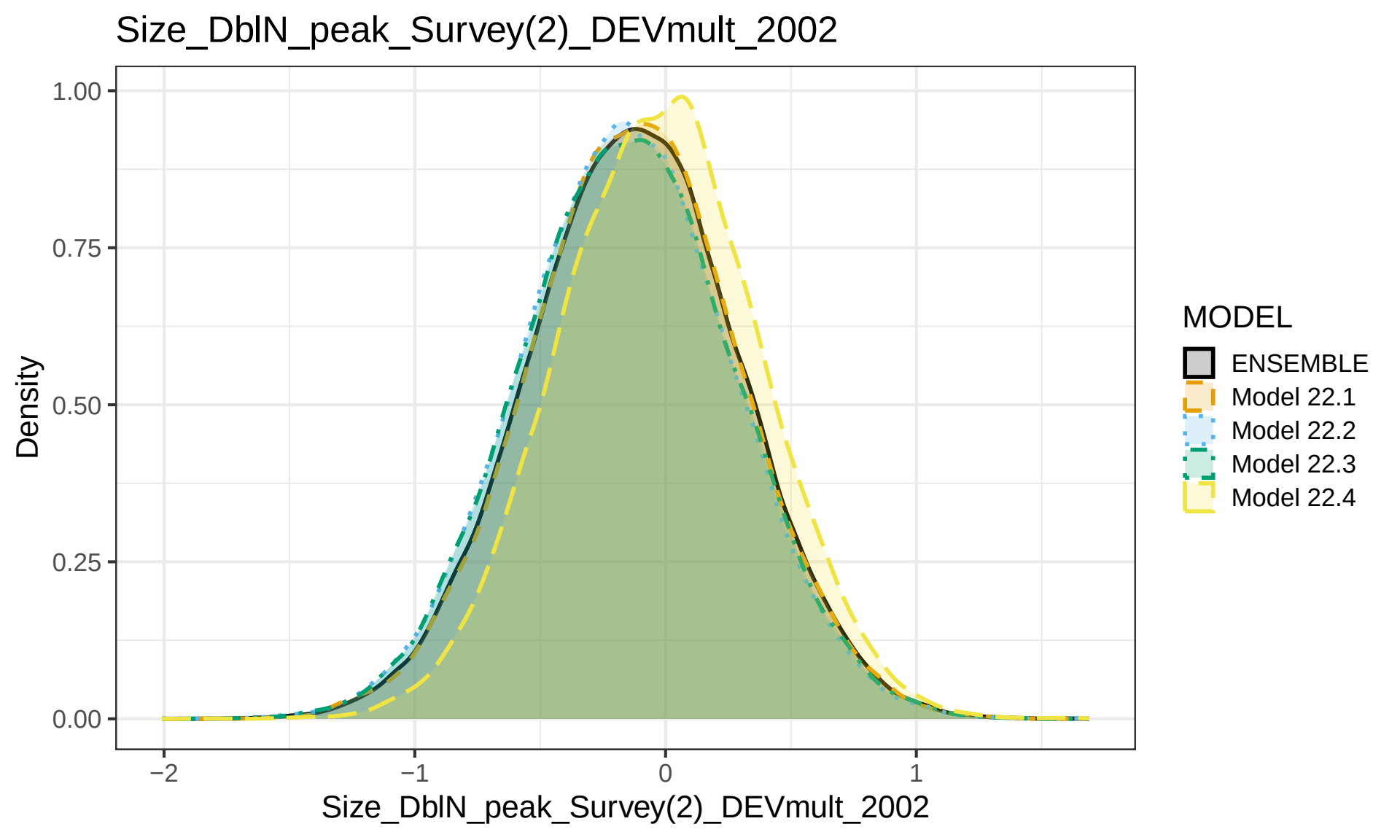

Size_DblN_peak_Survey(2)_DEVmult_1997
1.2
0.9
0.6
0.3
0.0
Density
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

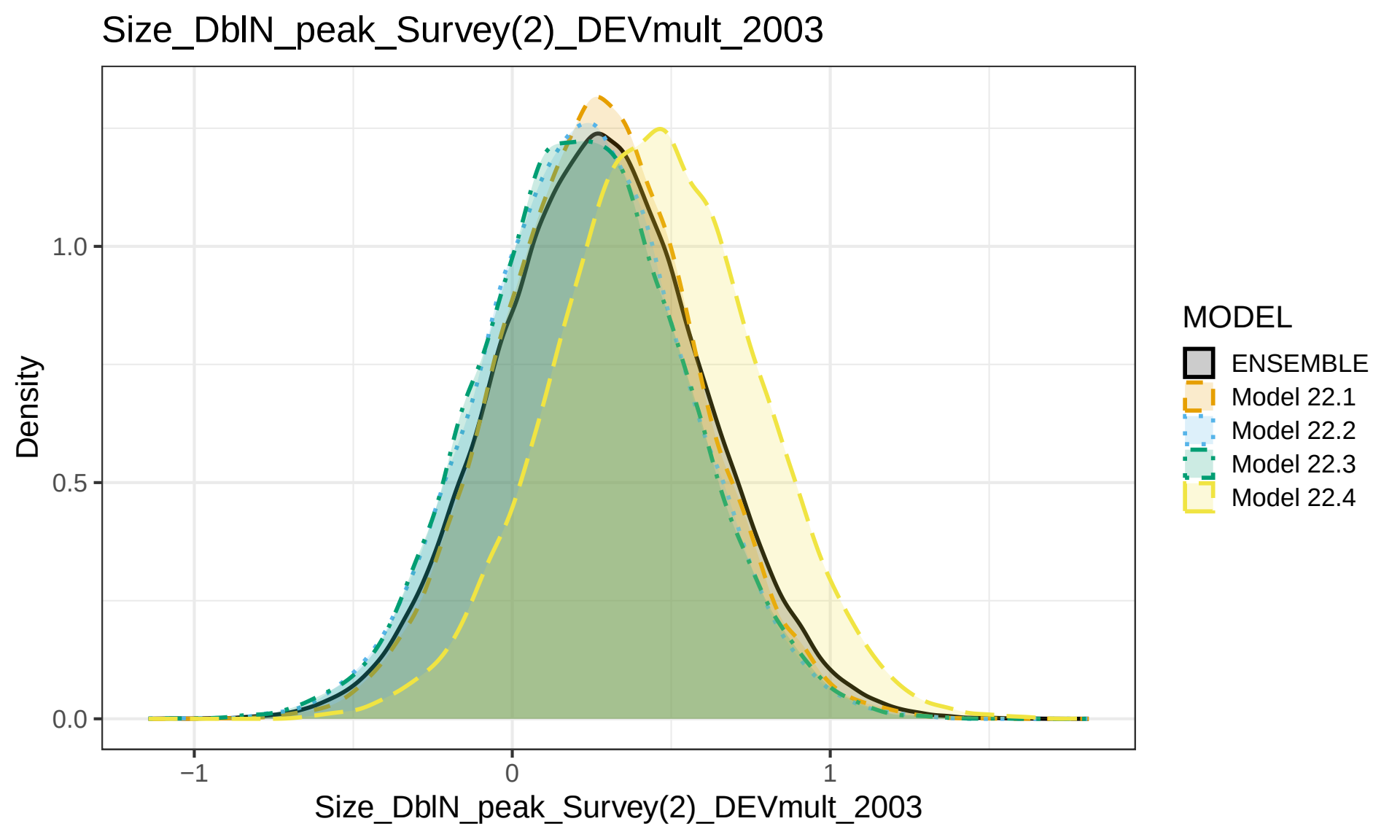

Size_DblN_peak_Survey(2)_DEVmult_1998
1.2
0.8
0.4
0.0
Density
−2
0
2
Size_DblN_peak_Survey(2)_DEVmult_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

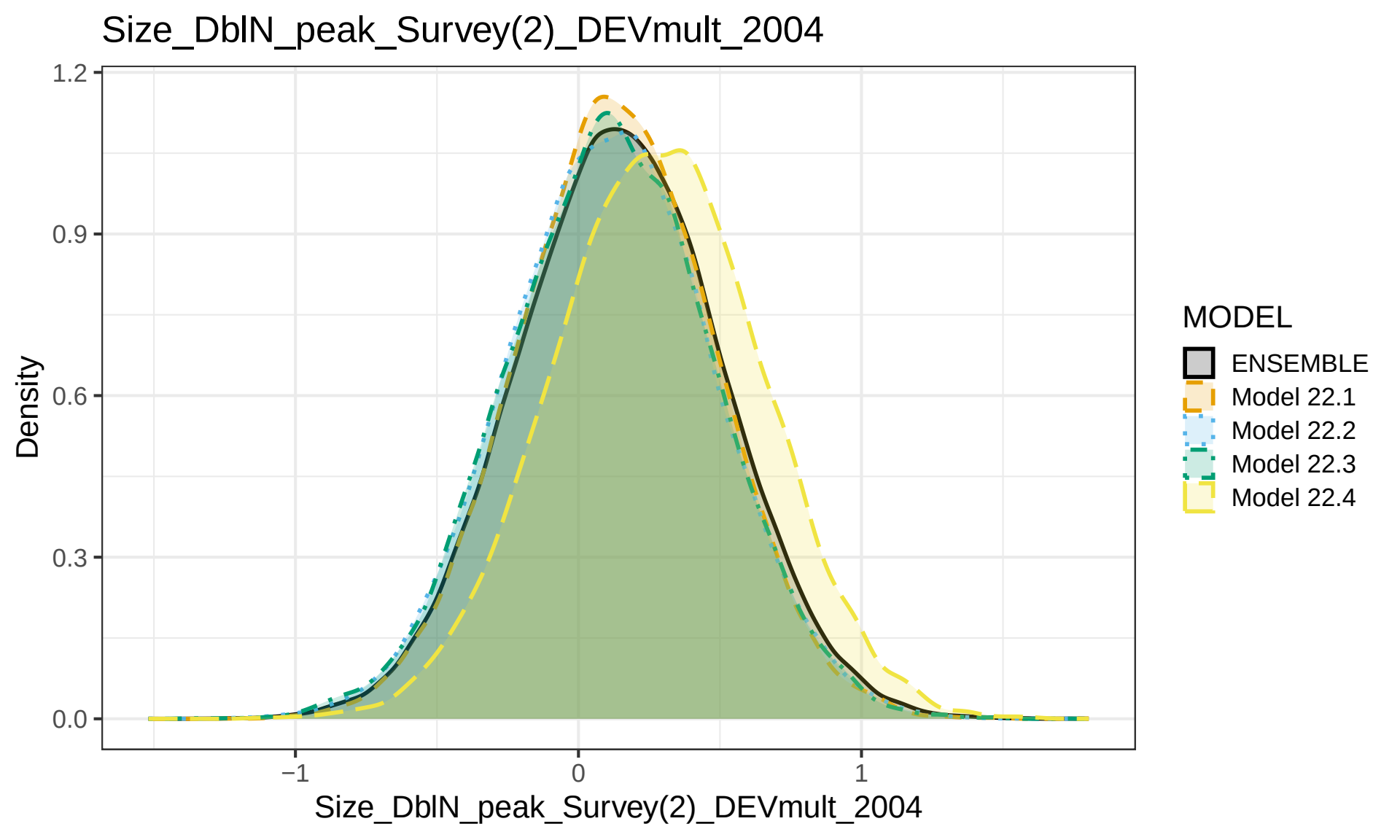

Size_DblN_peak_Survey(2)_DEVmult_1999
Density
0.0
0.2
0.4
0.6
0.8
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

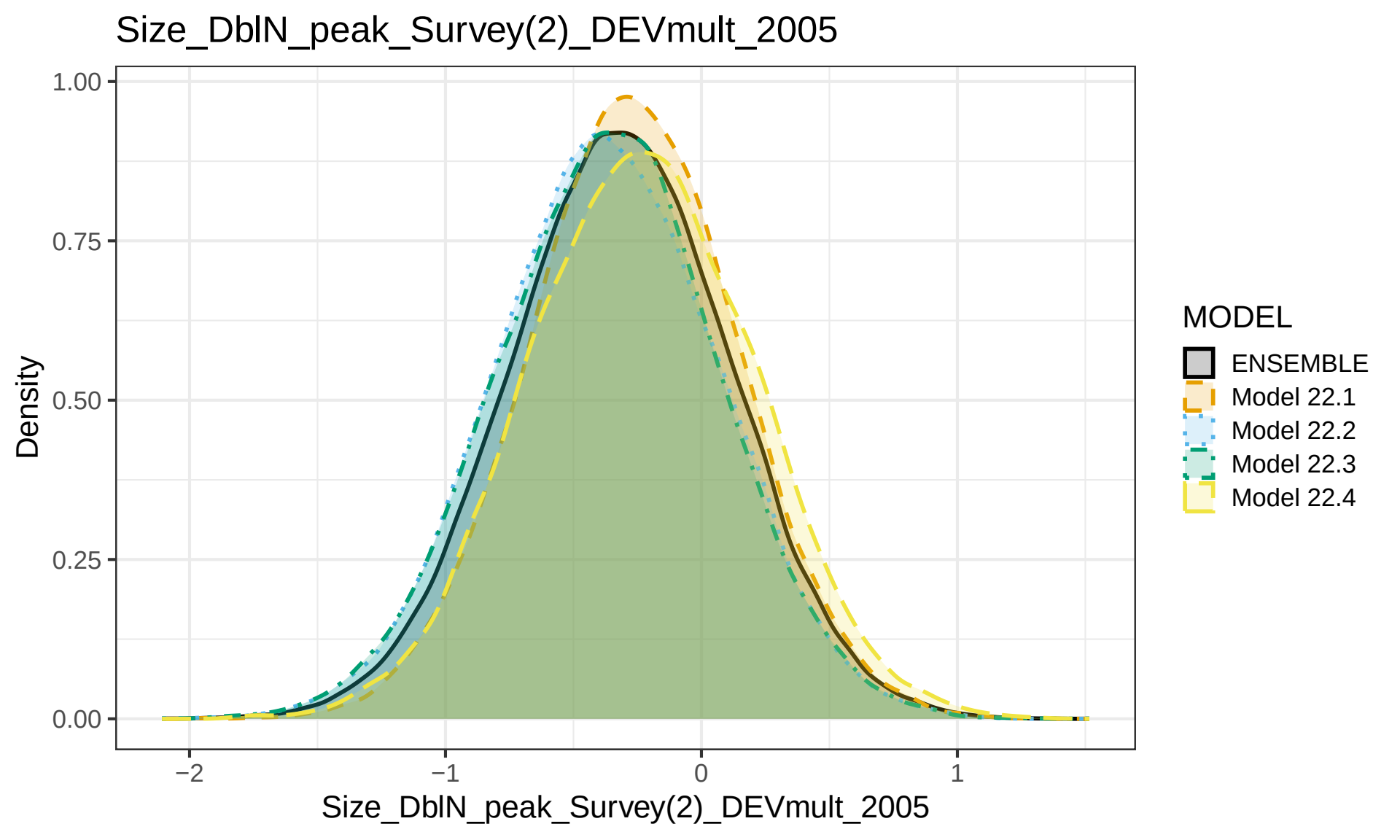

Size_DblN_peak_Survey(2)_DEVmult_2000
1.5
1.0
0.5
0.0
Density
−2
−1
0
Size_DblN_peak_Survey(2)_DEVmult_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

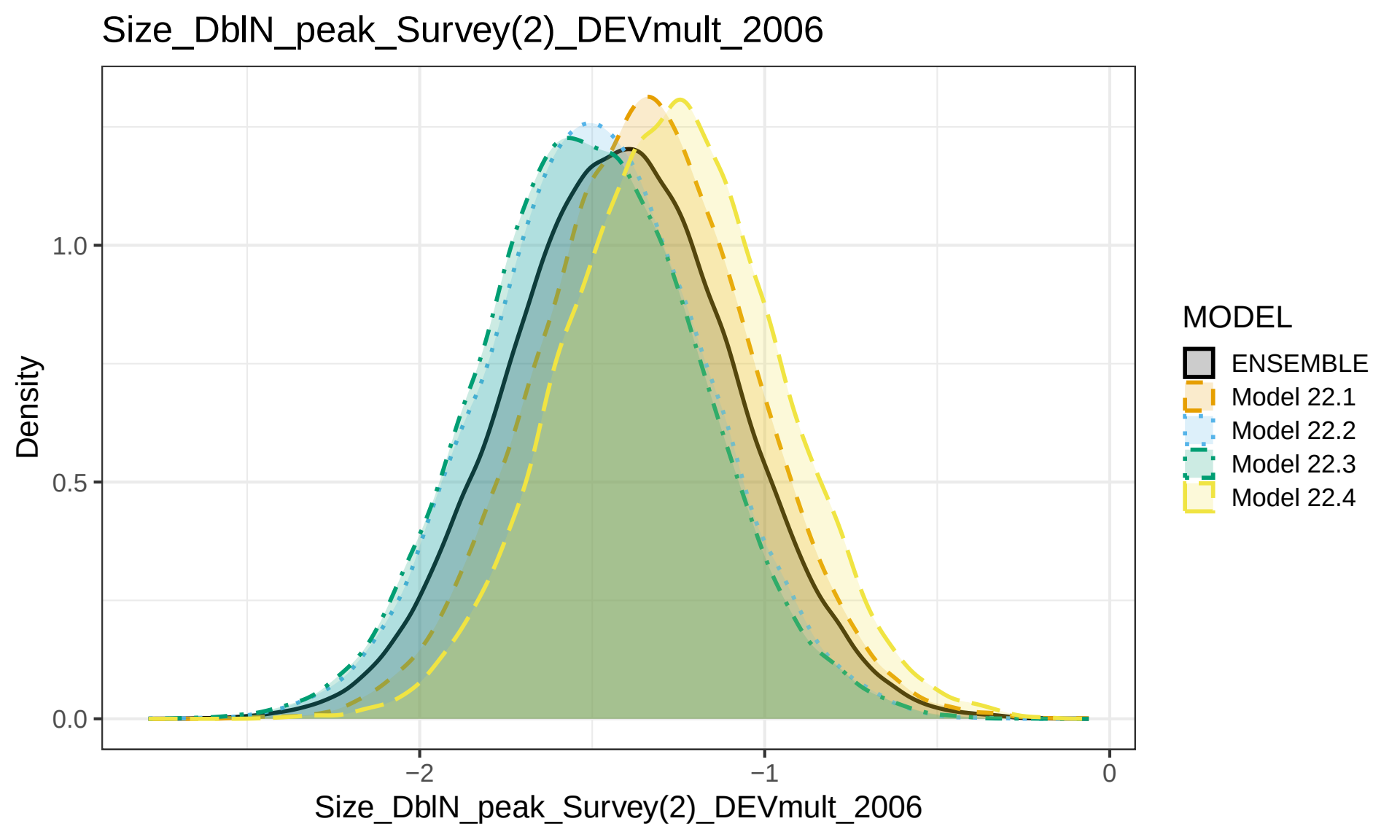

Size_DblN_peak_Survey(2)_DEVmult_2001
1.2
0.8
0.4
0.0
Density
−2
−1
0
Size_DblN_peak_Survey(2)_DEVmult_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

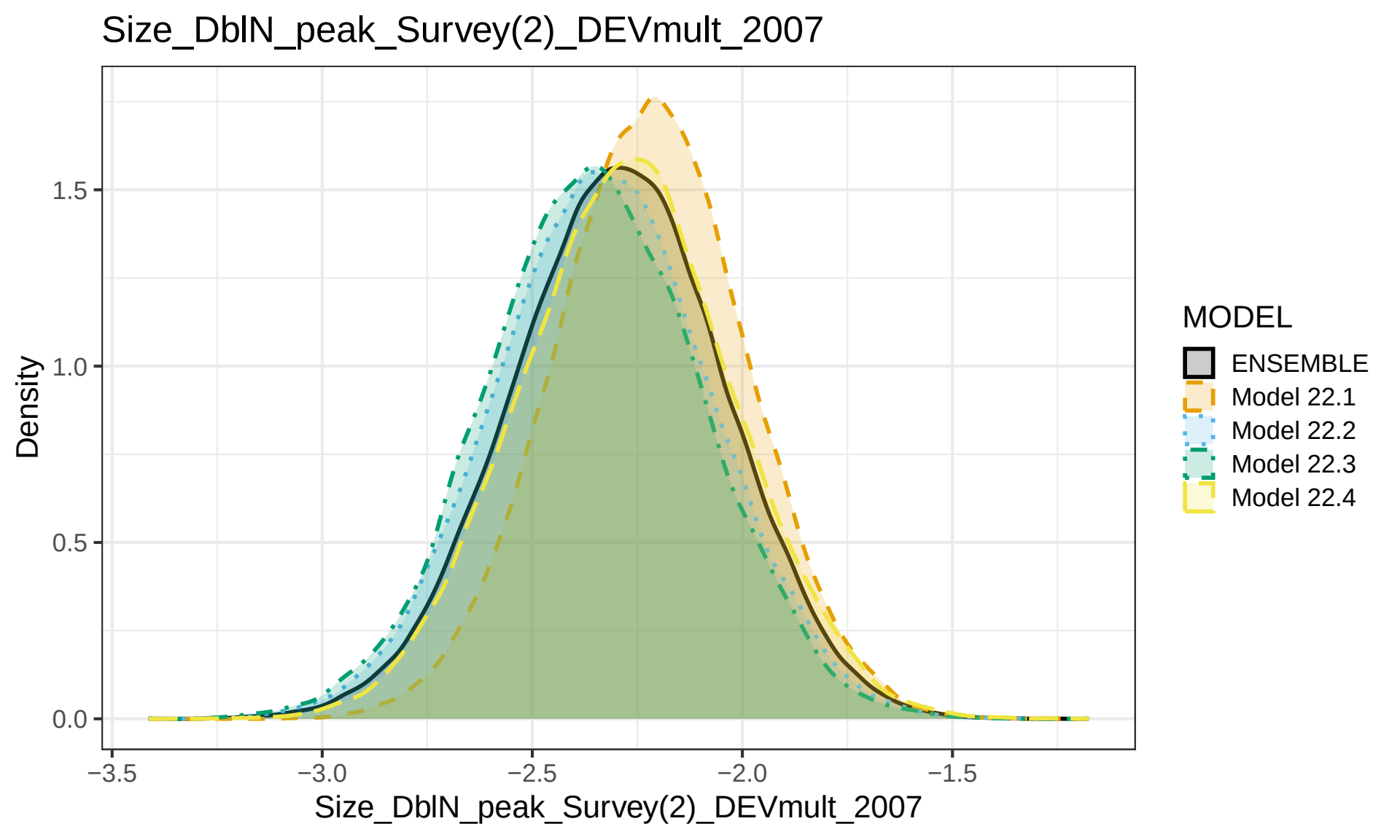

Size_DblN_peak_Survey(2)_DEVmult_2002
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

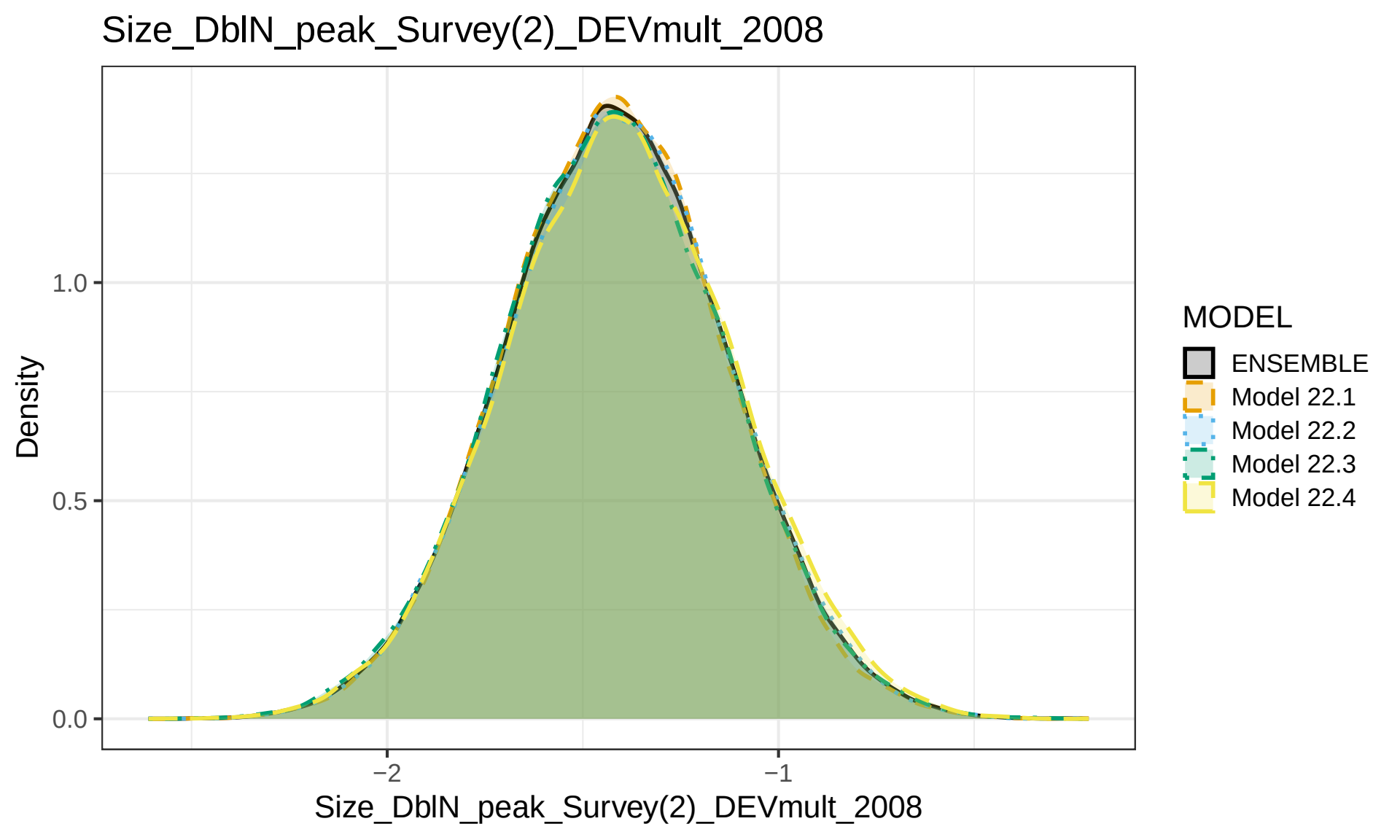

Size_DblN_peak_Survey(2)_DEVmult_2003
Density
1.0
0.5
0.0
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

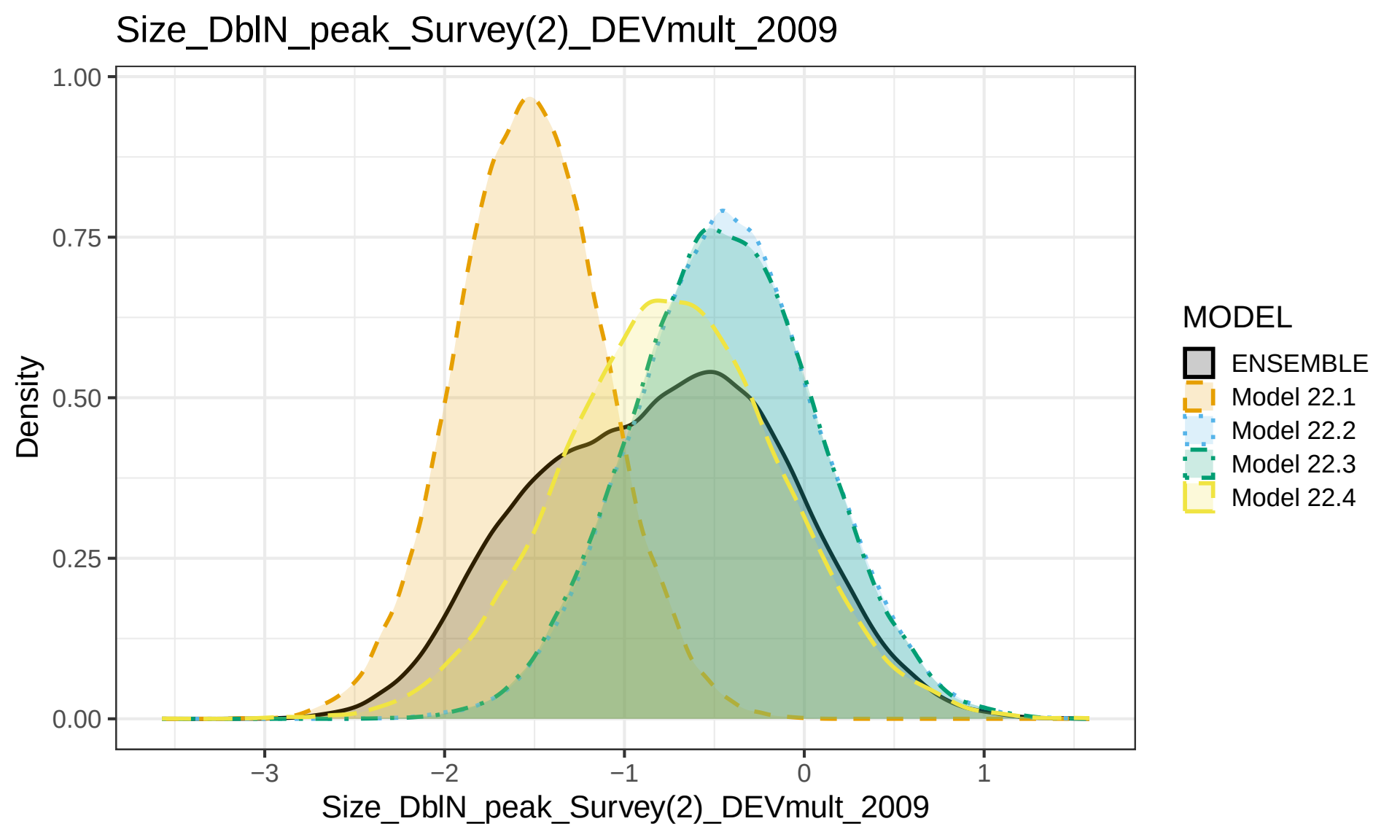

Size_DblN_peak_Survey(2)_DEVmult_2004
1.2
0.9
0.6
0.3
0.0
Density
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

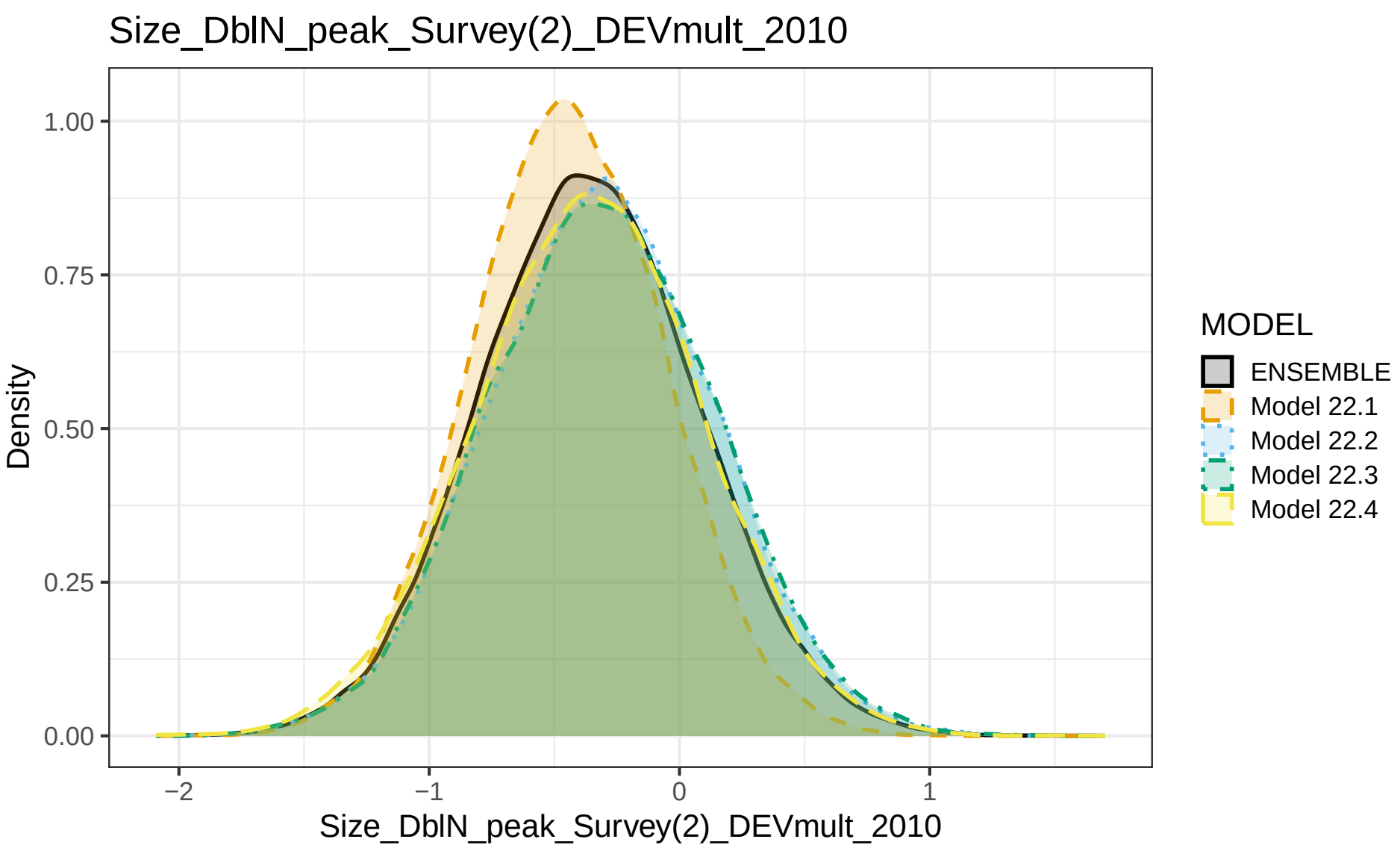

Size_DblN_peak_Survey(2)_DEVmult_2005
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

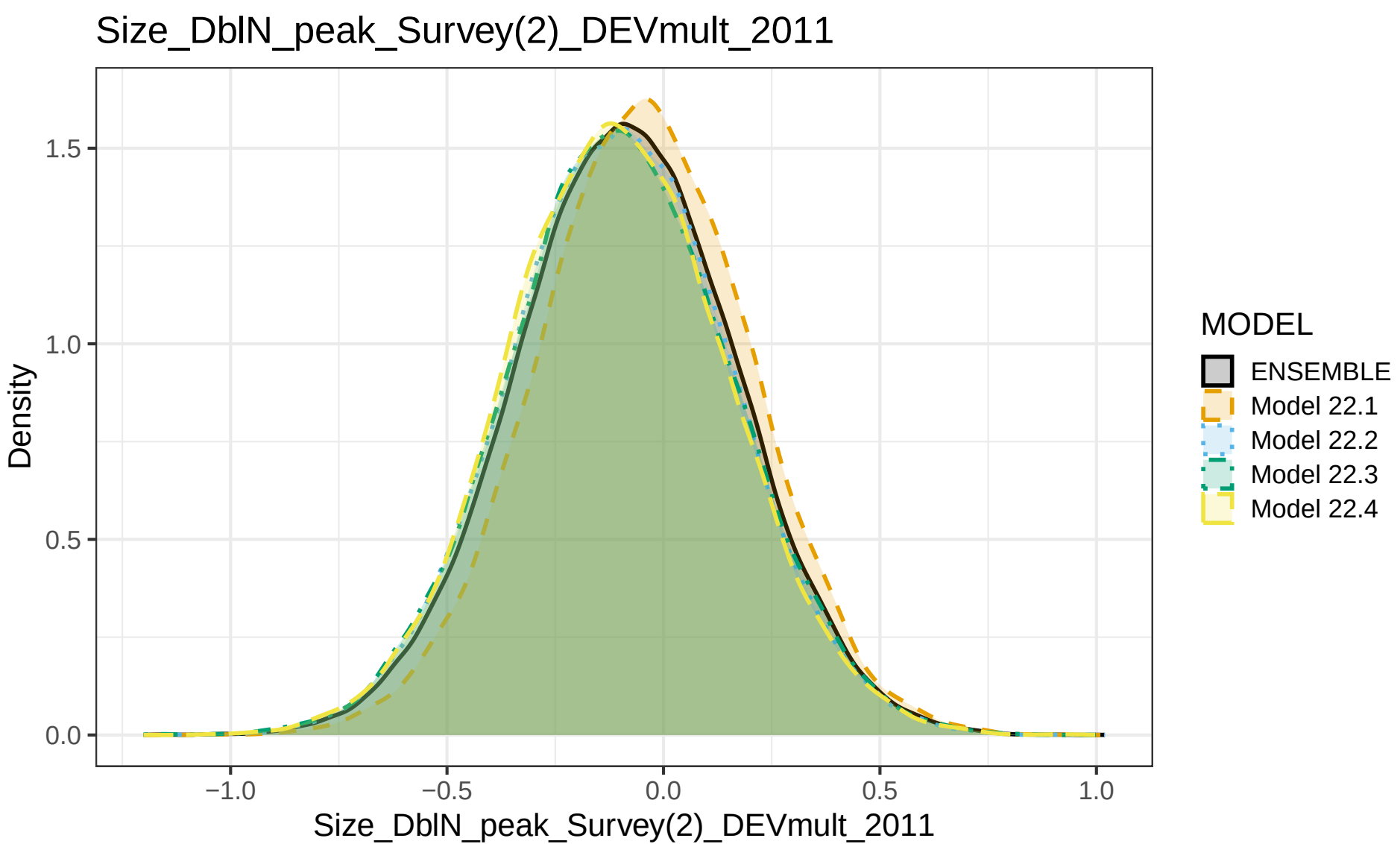

Size_DblN_peak_Survey(2)_DEVmult_2006
Density
1.0
0.5
0.0
−2
−1
0
Size_DblN_peak_Survey(2)_DEVmult_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

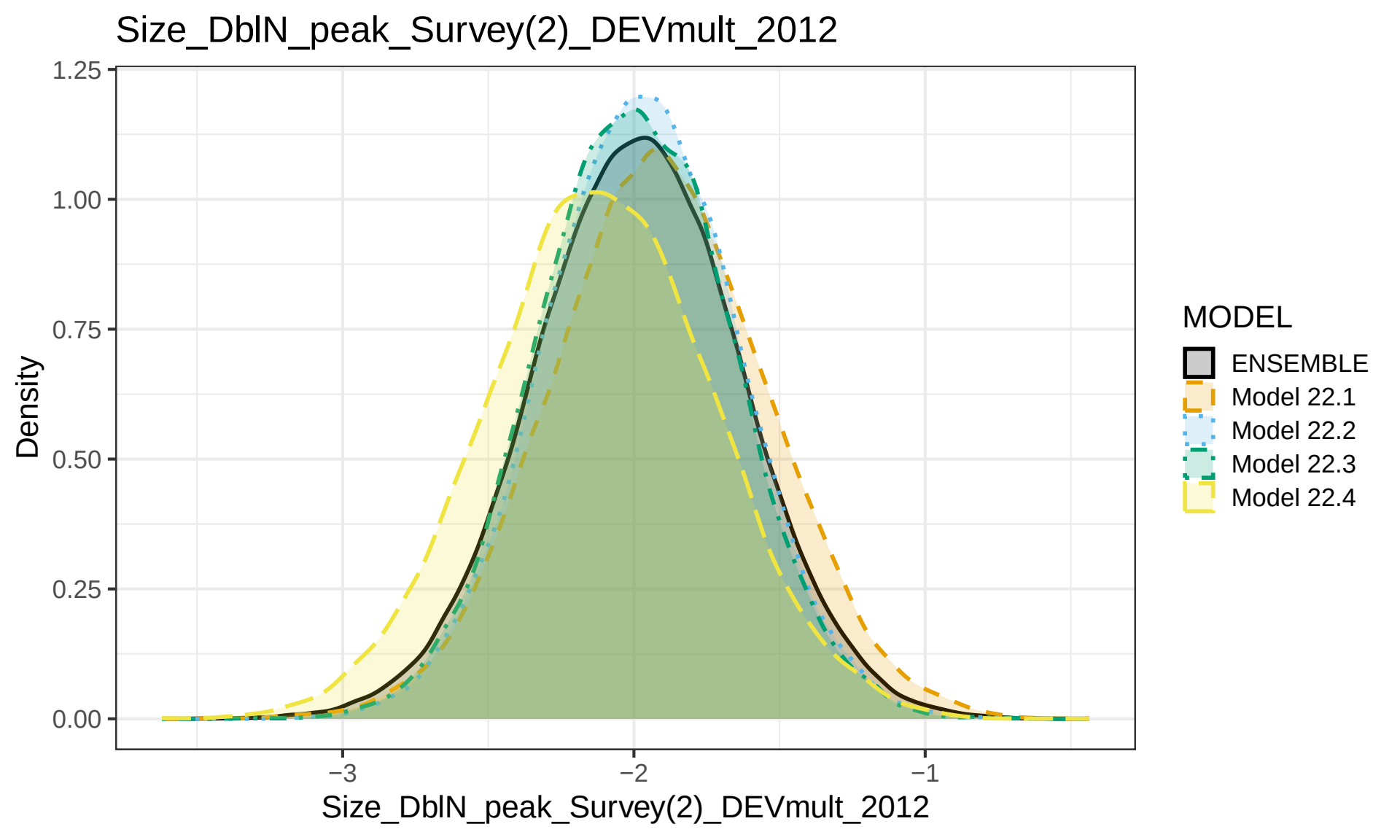

Size_DblN_peak_Survey(2)_DEVmult_2007
Density
1.5
1.0
0.5
0.0
−3.5
−3.0
−2.5
−2.0
−1.5
Size_DblN_peak_Survey(2)_DEVmult_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

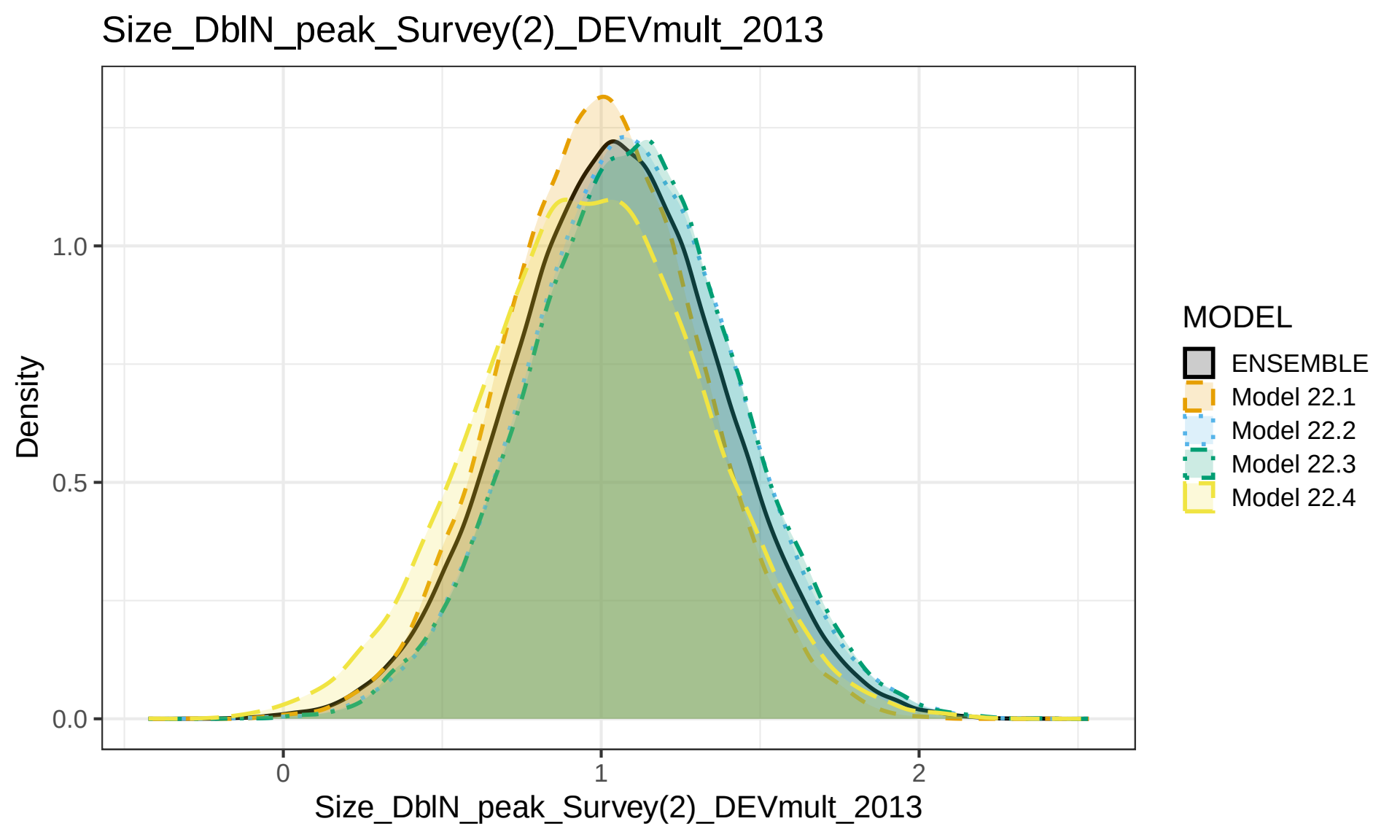

Size_DblN_peak_Survey(2)_DEVmult_2008
Density
1.0
0.5
0.0
−2
−1
Size_DblN_peak_Survey(2)_DEVmult_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

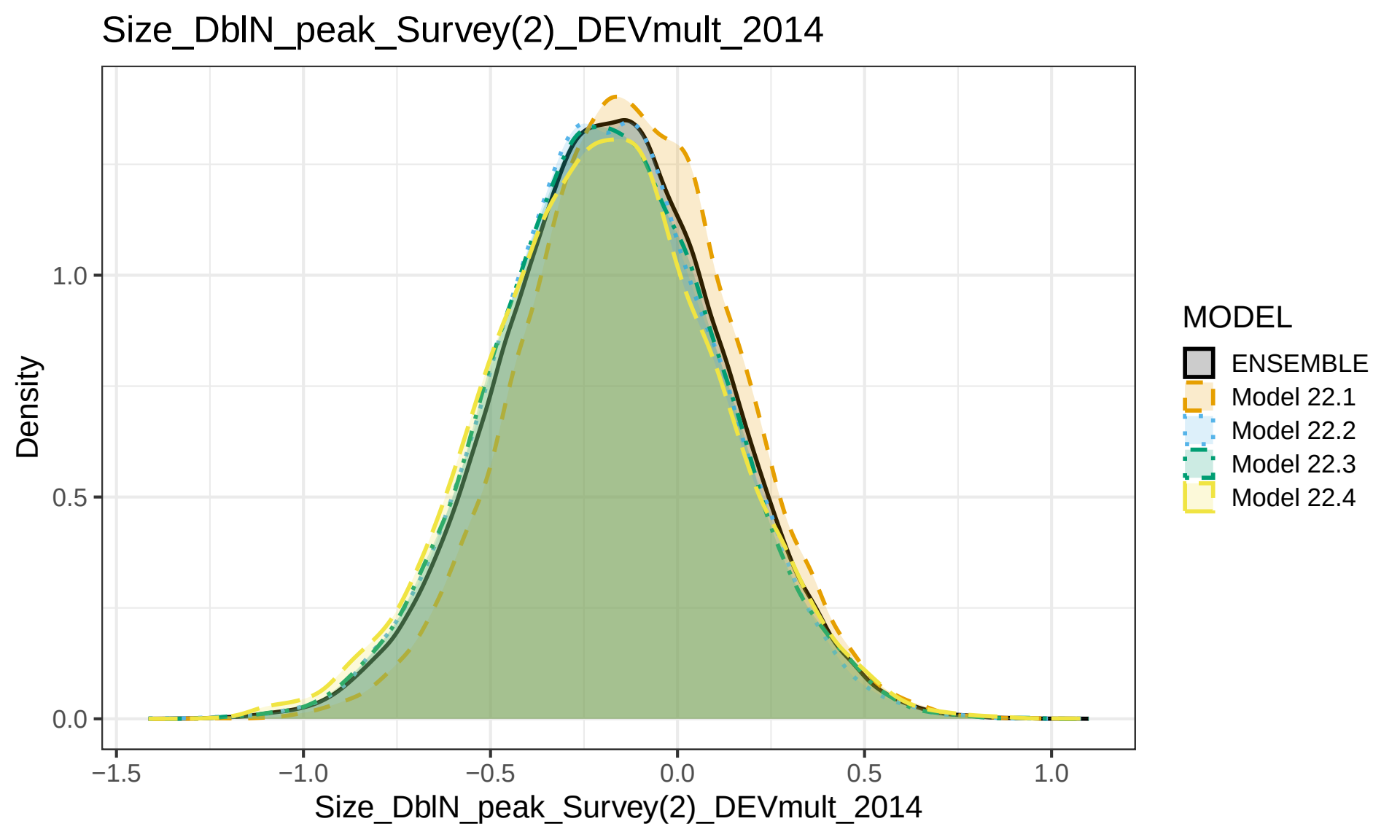

Size_DblN_peak_Survey(2)_DEVmult_2009
1.00
0.75
0.50
0.25
0.00
Density
−3
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

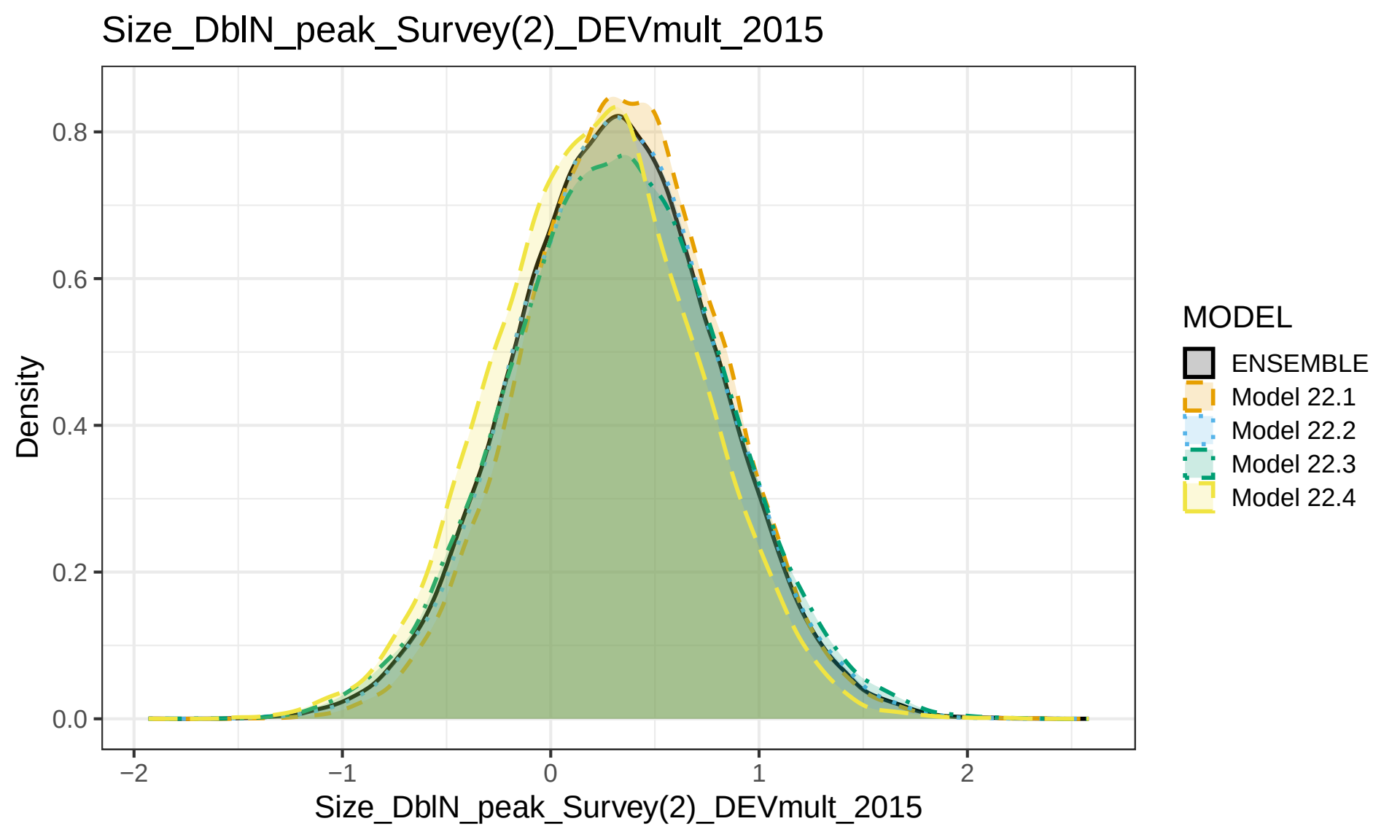

Size_DblN_peak_Survey(2)_DEVmult_2010
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

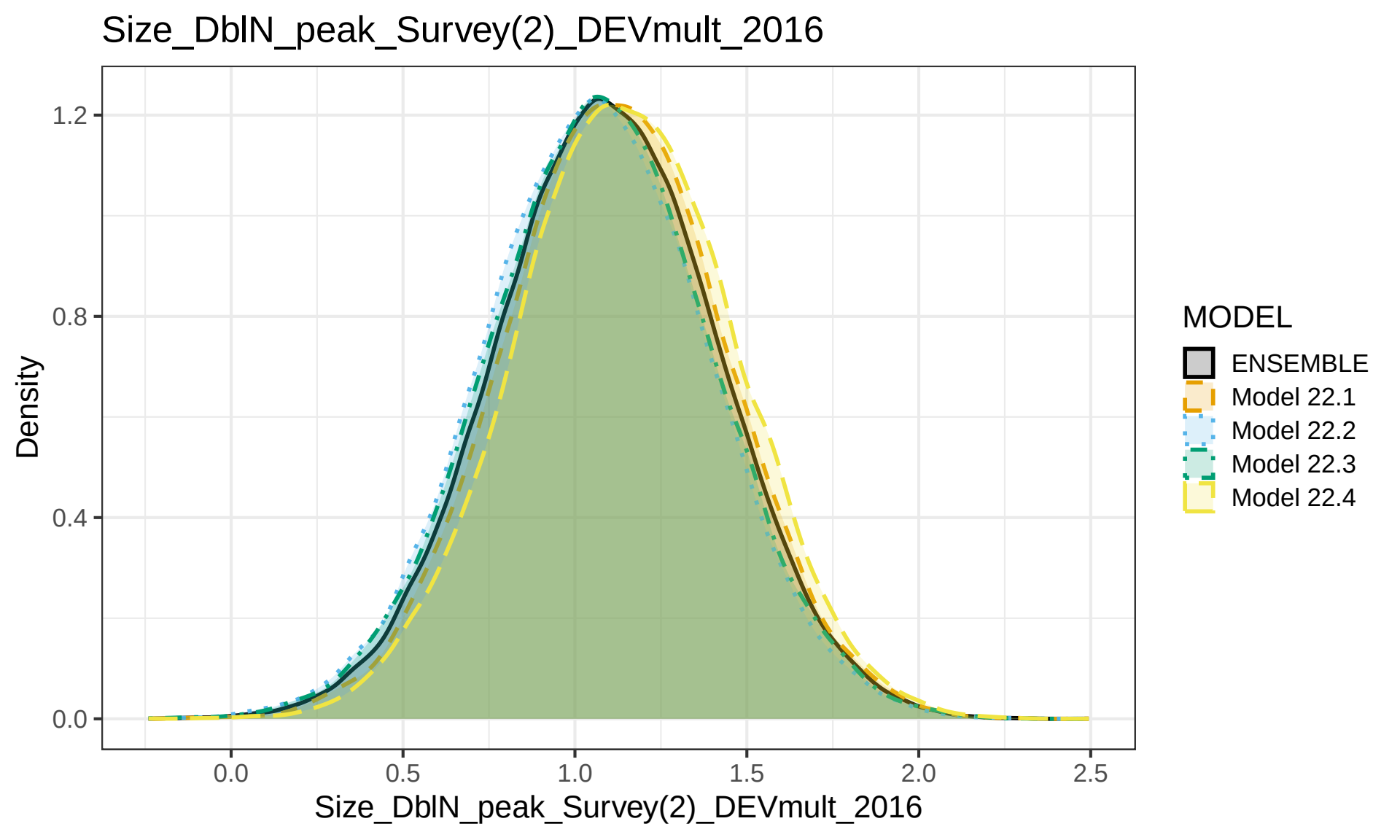

Size_DblN_peak_Survey(2)_DEVmult_2011
Density
1.5
1.0
0.5
0.0
−1.0
−0.5
0.0
0.5
1.0
Size_DblN_peak_Survey(2)_DEVmult_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

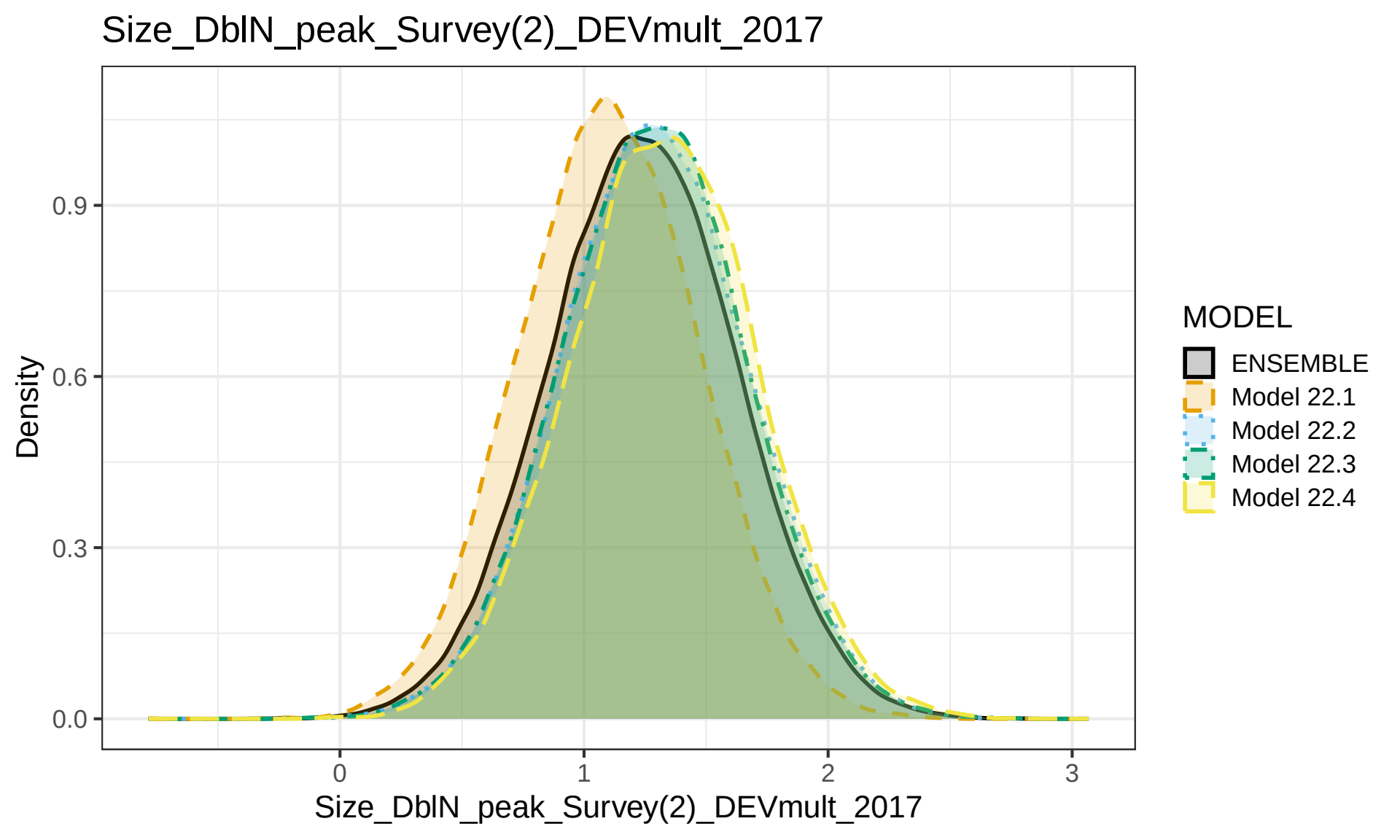

Size_DblN_peak_Survey(2)_DEVmult_2012
1.25
1.00
0.75
0.50
0.25
0.00
Density
−3
−2
−1
Size_DblN_peak_Survey(2)_DEVmult_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

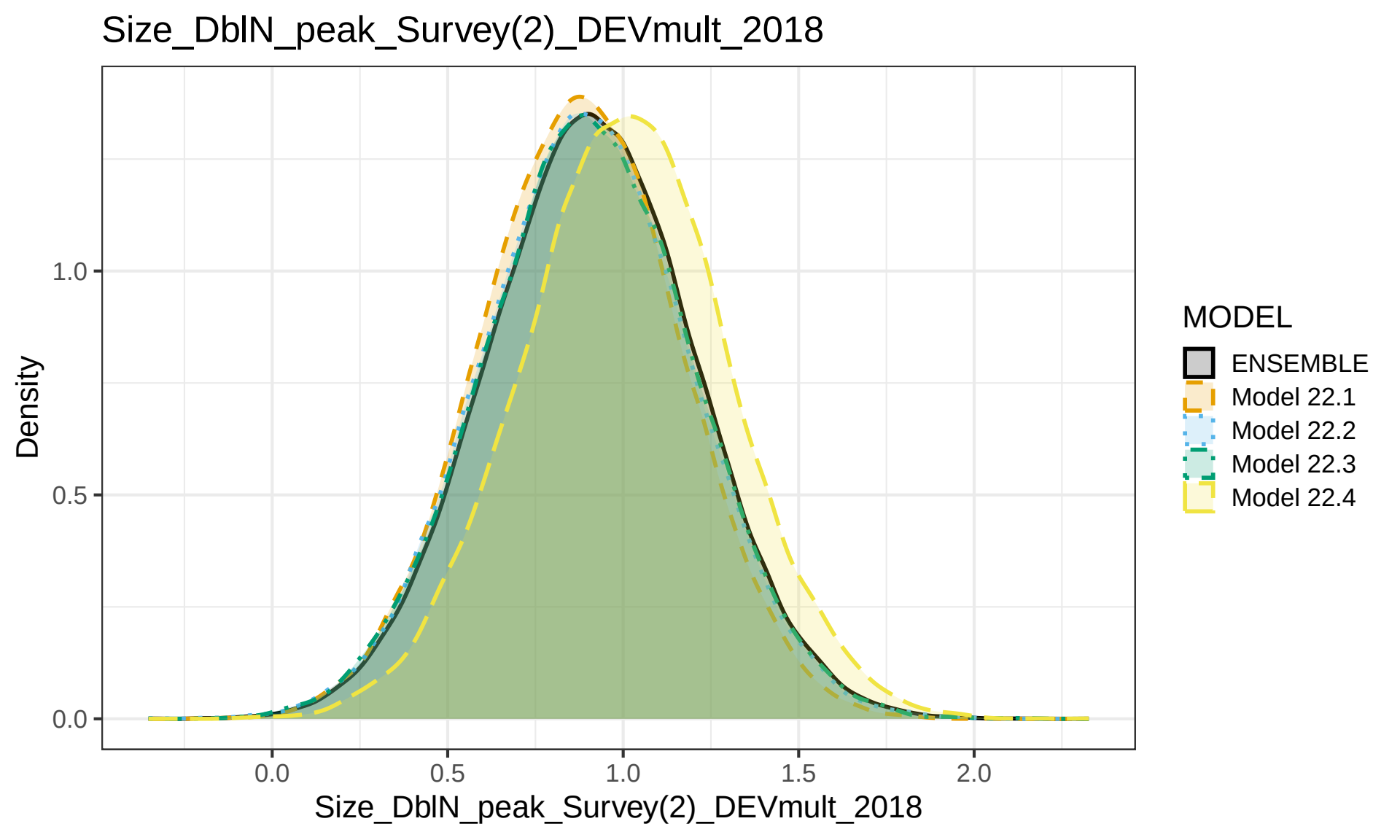

Size_DblN_peak_Survey(2)_DEVmult_2013
Density
1.0
0.5
0.0
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

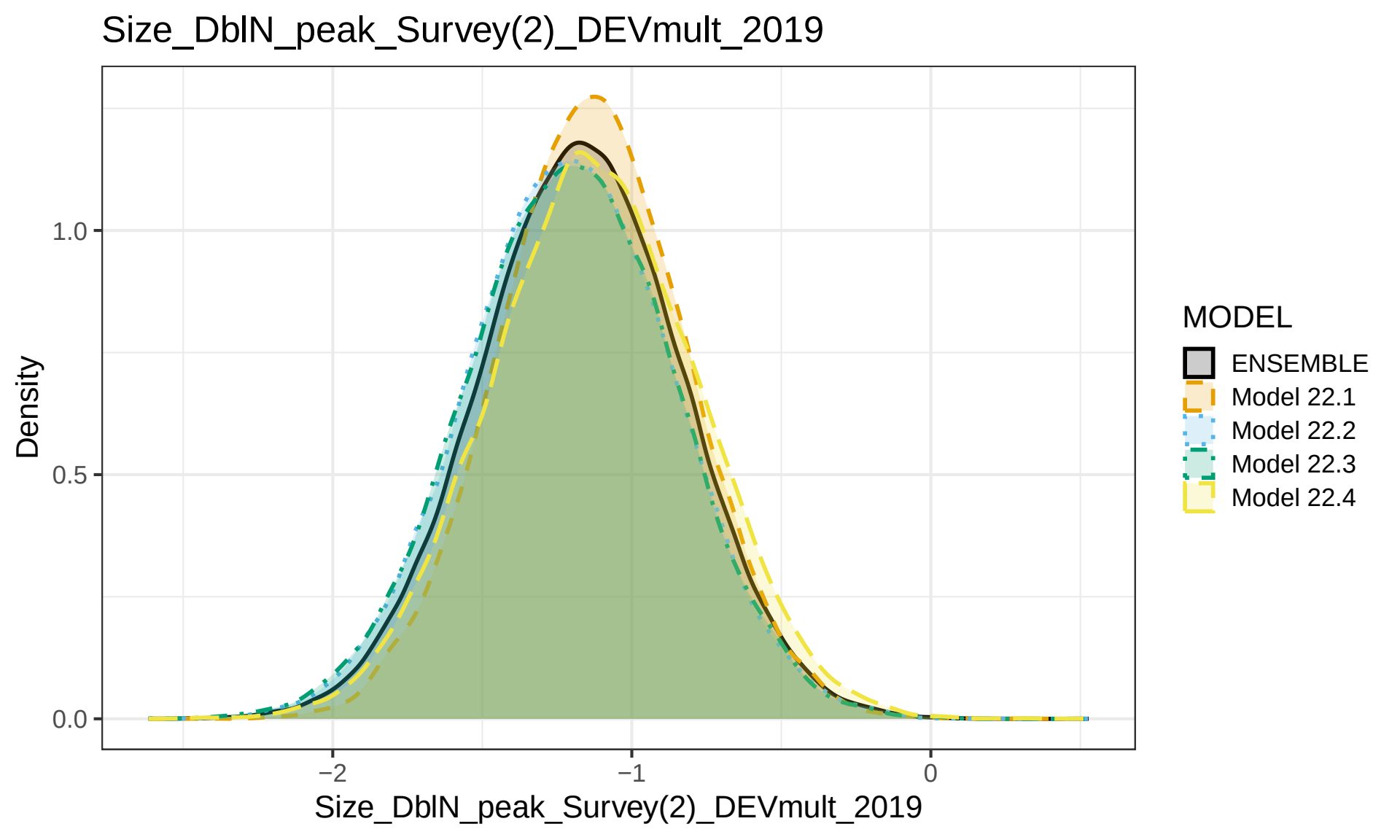

Size_DblN_peak_Survey(2)_DEVmult_2014
Density
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
Size_DblN_peak_Survey(2)_DEVmult_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

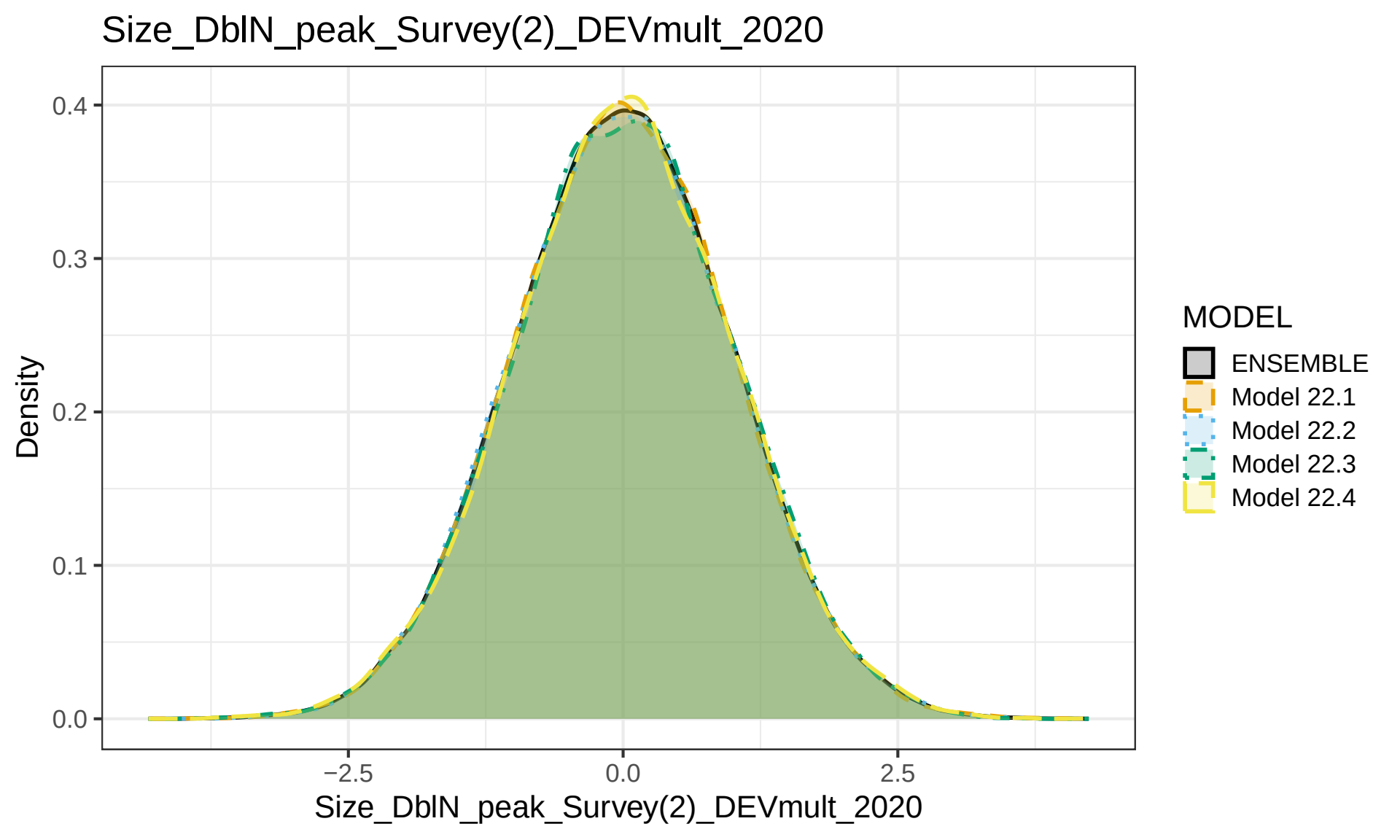

Size_DblN_peak_Survey(2)_DEVmult_2015
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

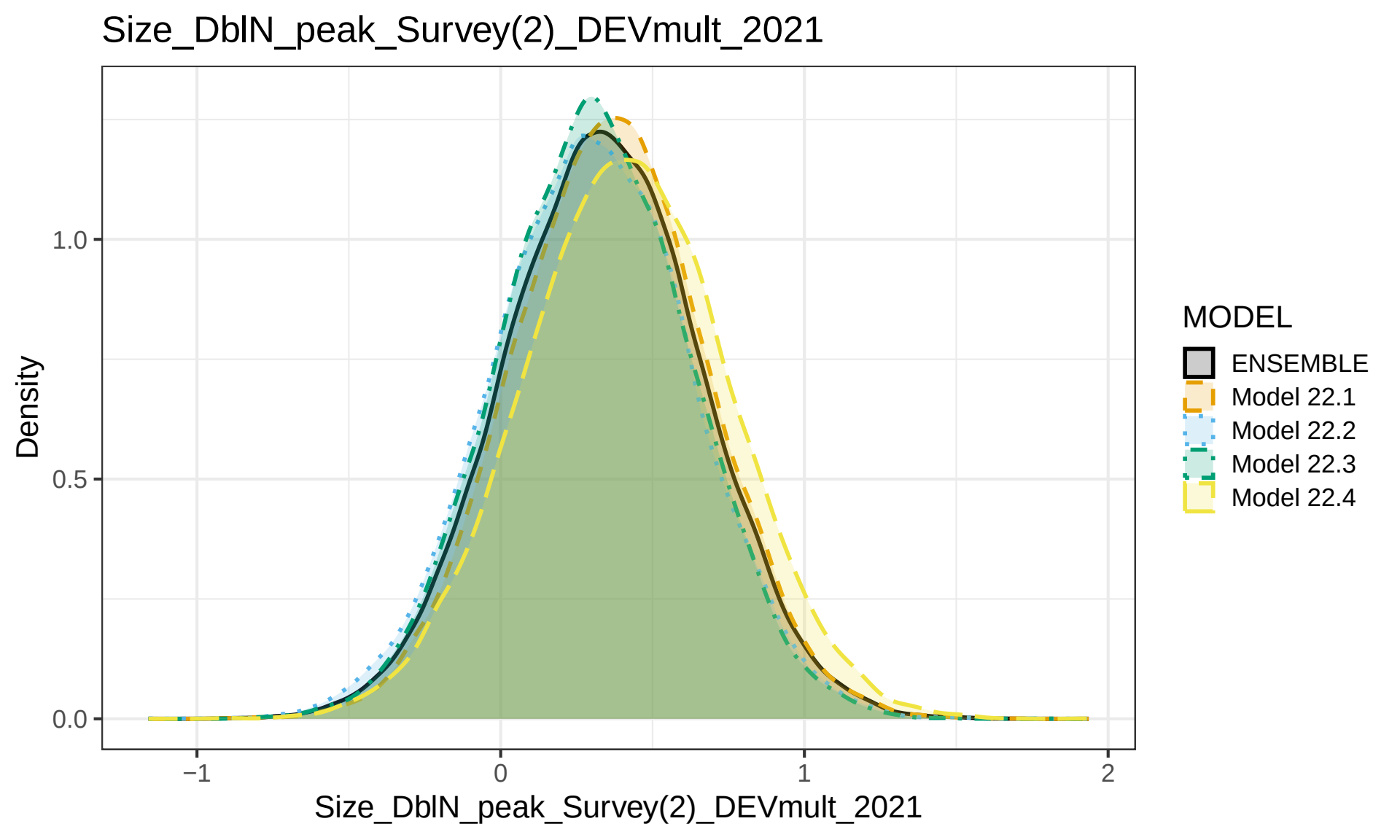

Size_DblN_peak_Survey(2)_DEVmult_2016
Density
1.2
0.8
0.4
0.0
0.0
0.5
1.0
1.5
2.0
2.5
Size_DblN_peak_Survey(2)_DEVmult_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

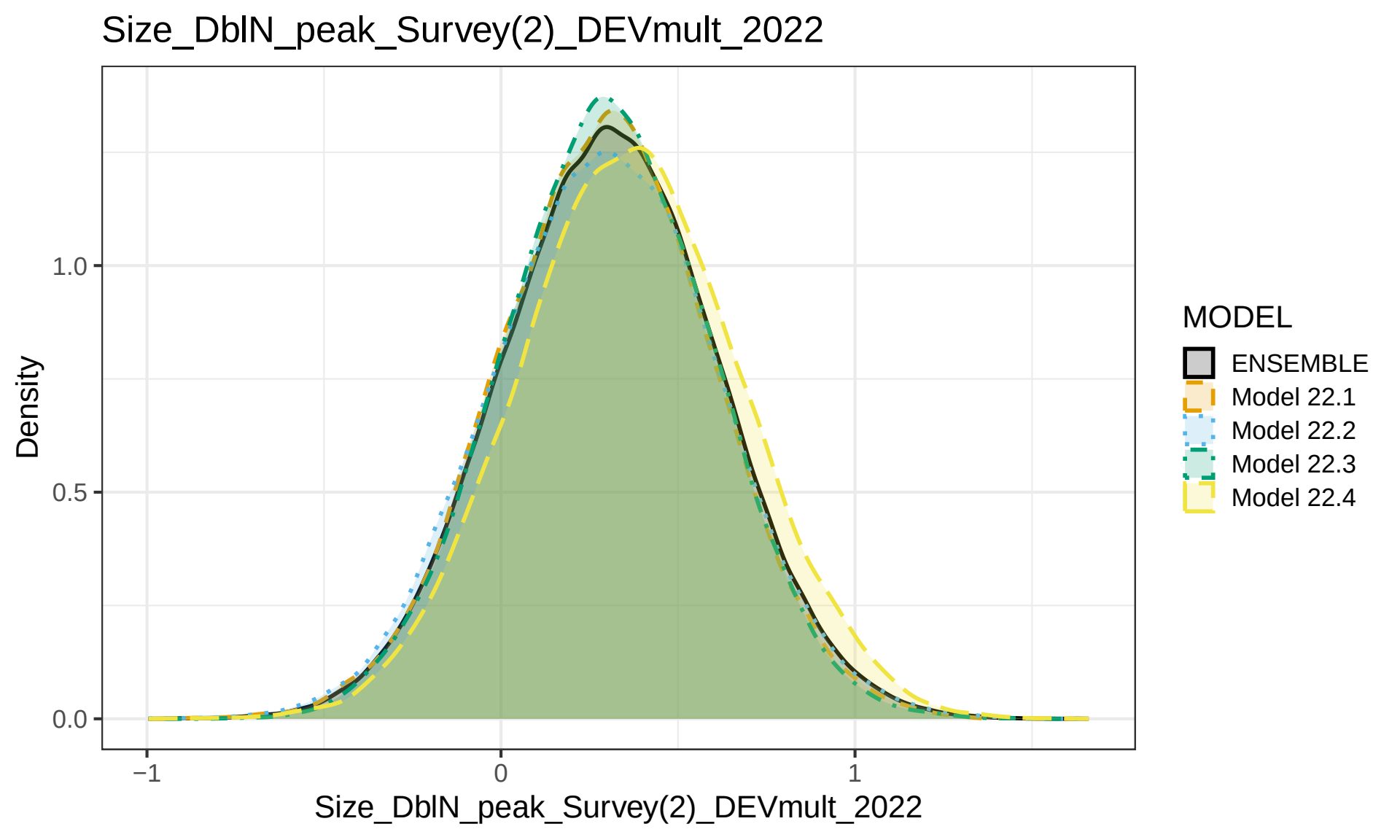

Size_DblN_peak_Survey(2)_DEVmult_2017
Density
0.0
0.3
0.6
0.9
0
1
2
3
Size_DblN_peak_Survey(2)_DEVmult_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

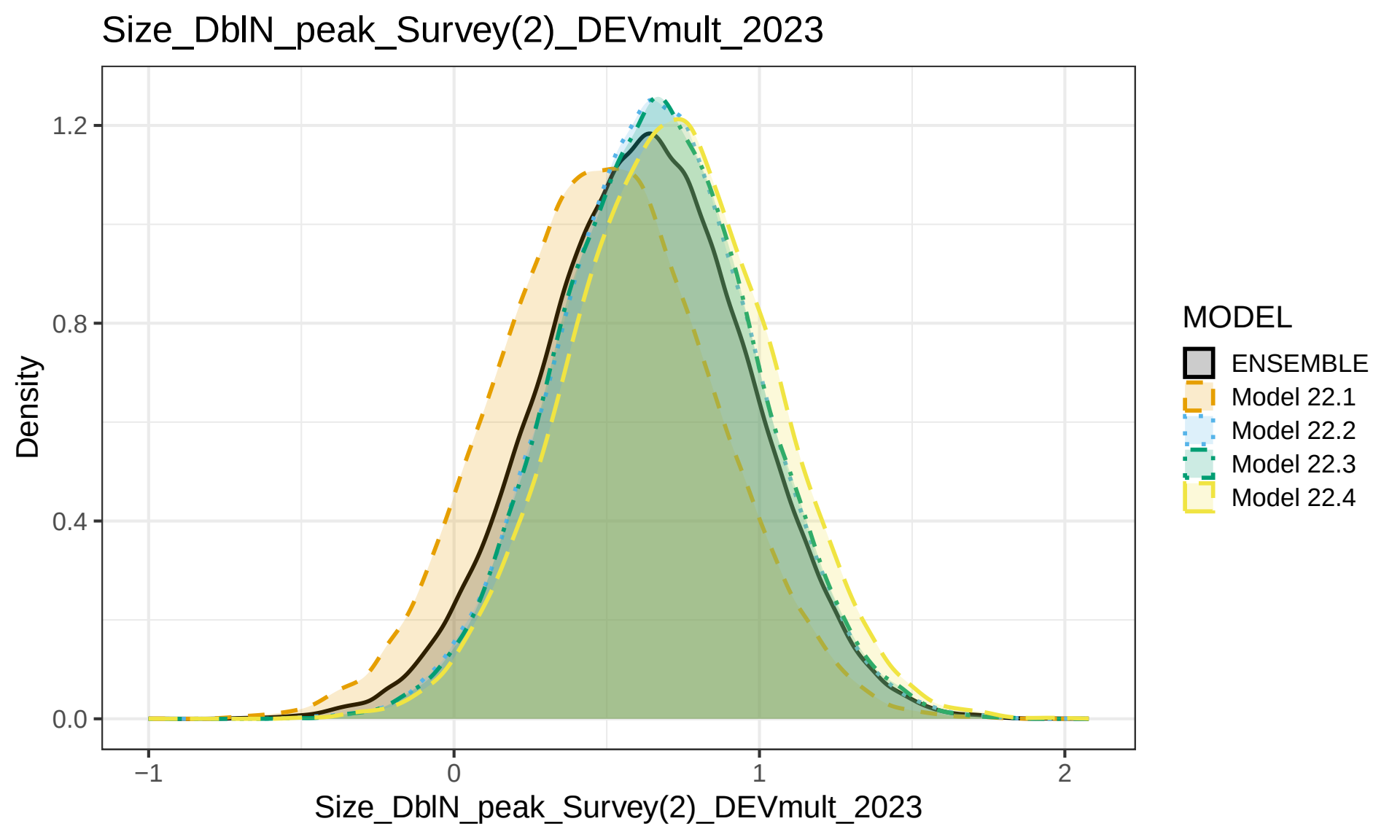

Size_DblN_peak_Survey(2)_DEVmult_2018
Density
1.0
0.5
0.0
0.0
0.5
1.0
1.5
2.0
Size_DblN_peak_Survey(2)_DEVmult_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

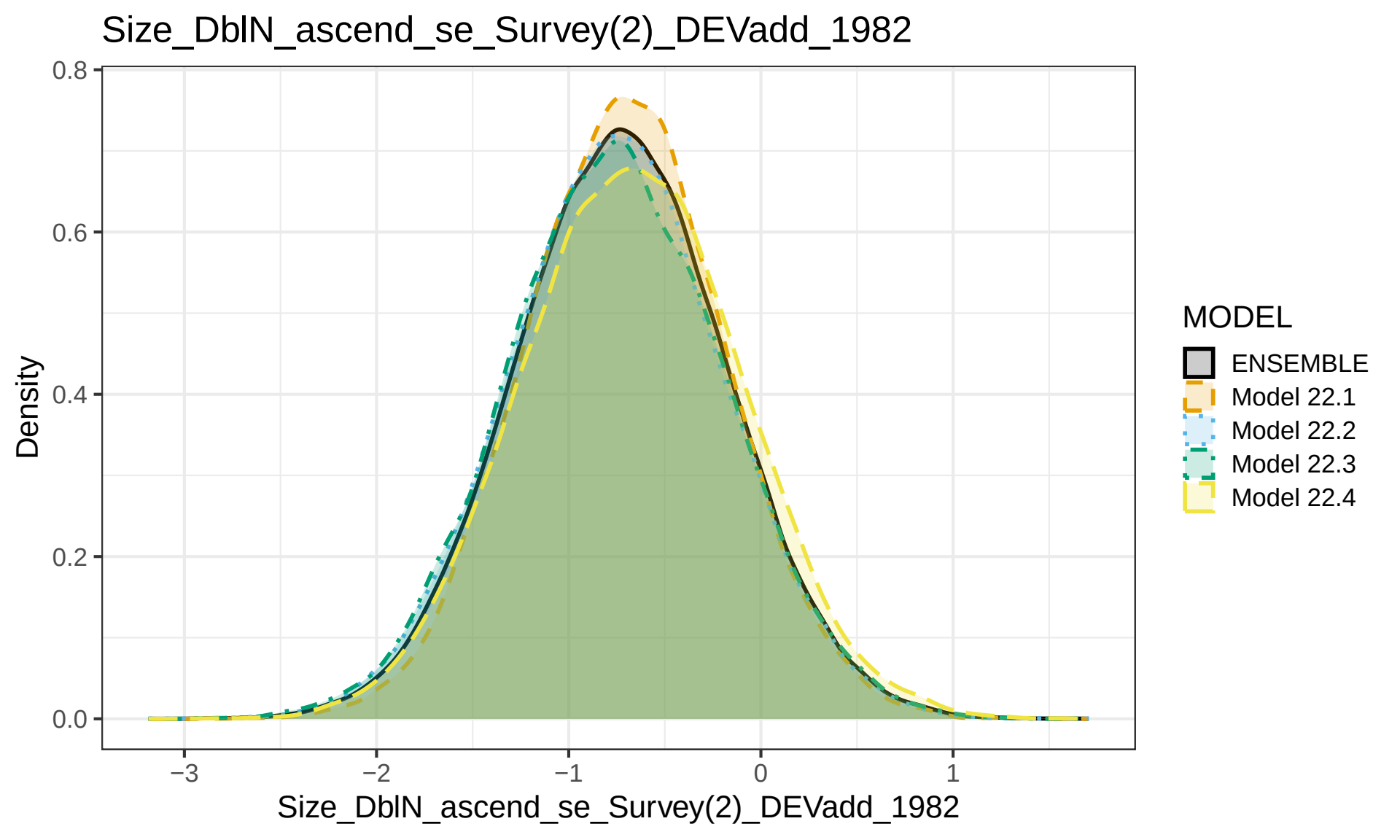

Size_DblN_peak_Survey(2)_DEVmult_2019
Density
1.0
0.5
0.0
−2
−1
0
Size_DblN_peak_Survey(2)_DEVmult_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

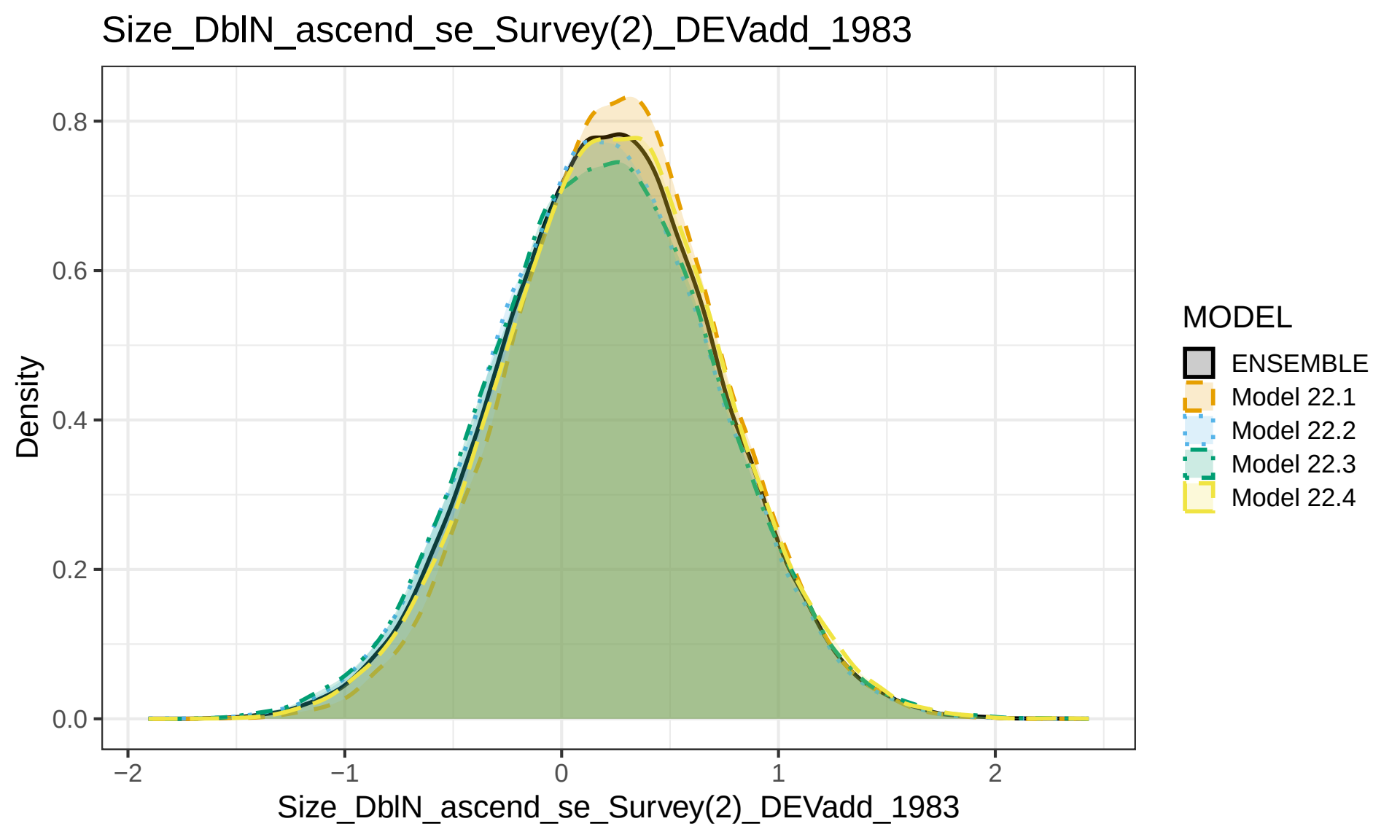

Size_DblN_peak_Survey(2)_DEVmult_2020
Density
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
Size_DblN_peak_Survey(2)_DEVmult_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

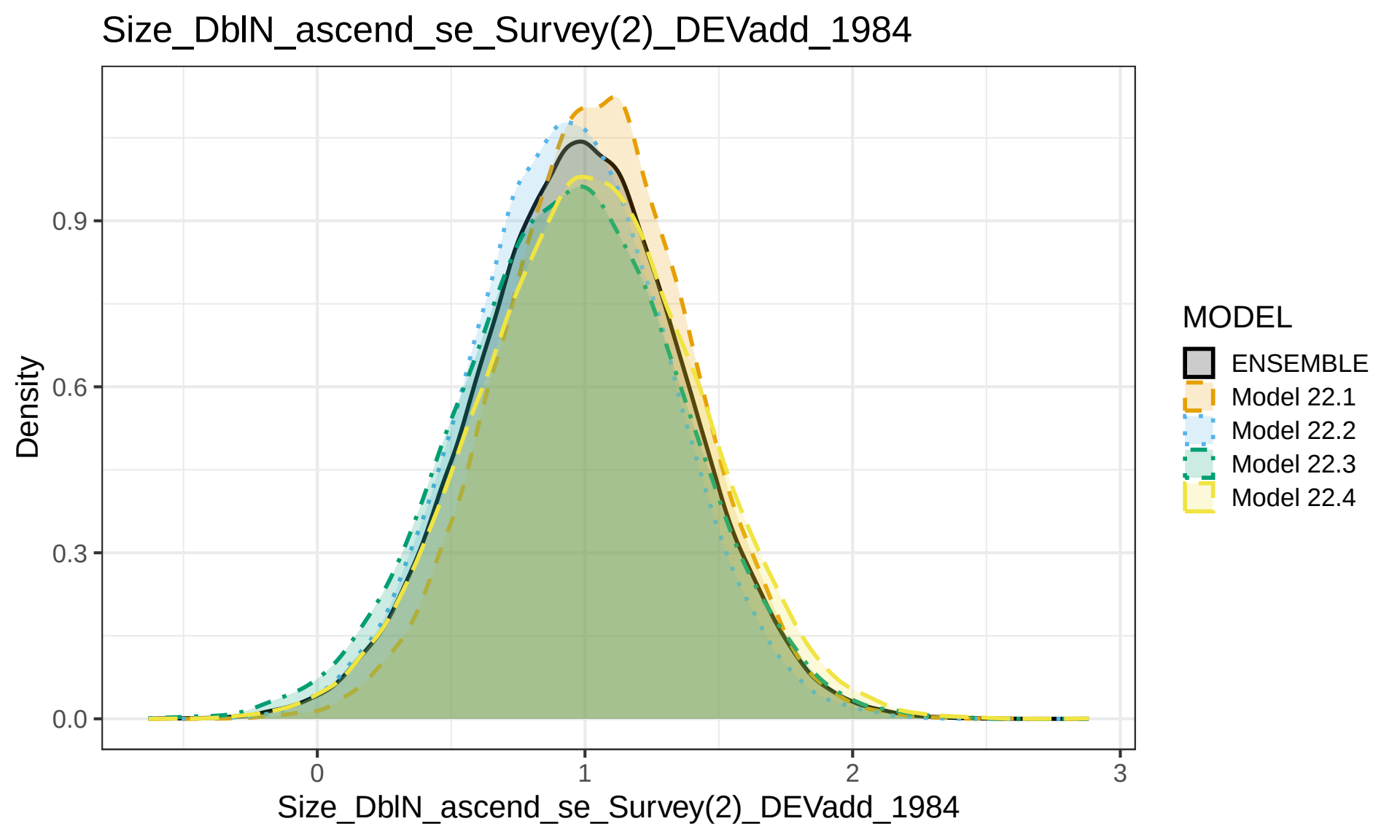

Size_DblN_peak_Survey(2)_DEVmult_2021
Density
1.0
0.5
0.0
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

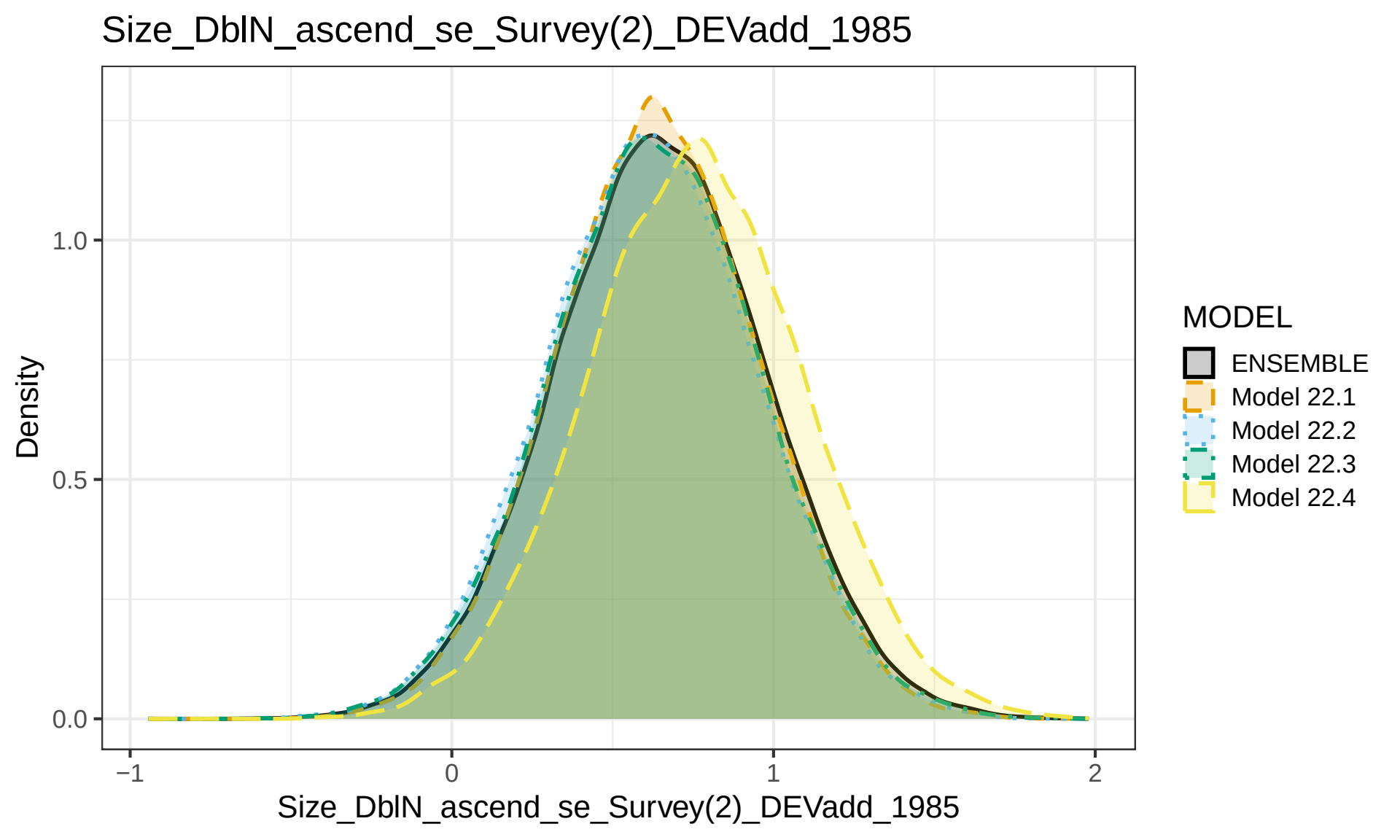

Size_DblN_peak_Survey(2)_DEVmult_2022
Density
1.0
0.5
0.0
−1
0
1
Size_DblN_peak_Survey(2)_DEVmult_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

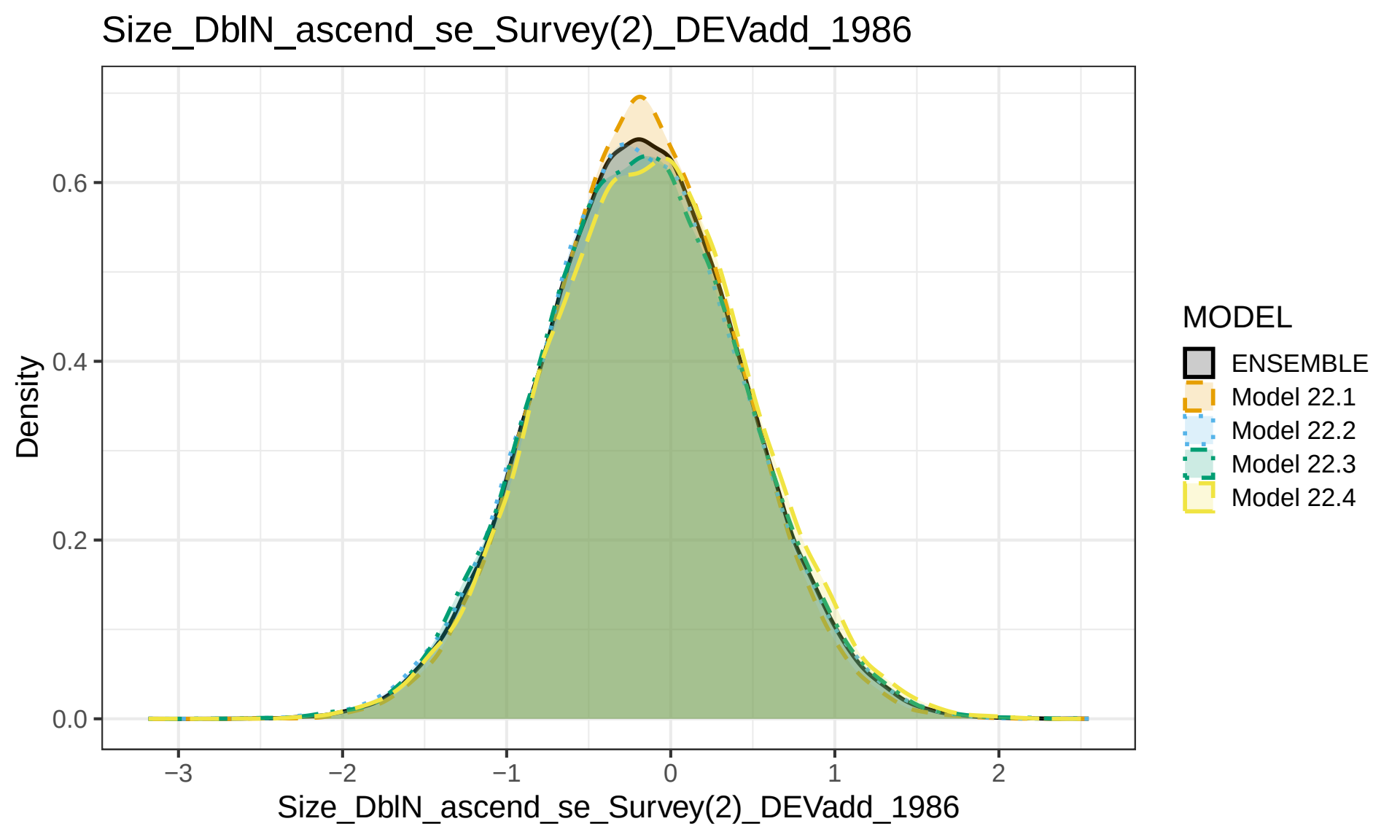

Size_DblN_peak_Survey(2)_DEVmult_2023
Density
1.2
0.8
0.4
0.0
−1
0
1
2
Size_DblN_peak_Survey(2)_DEVmult_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

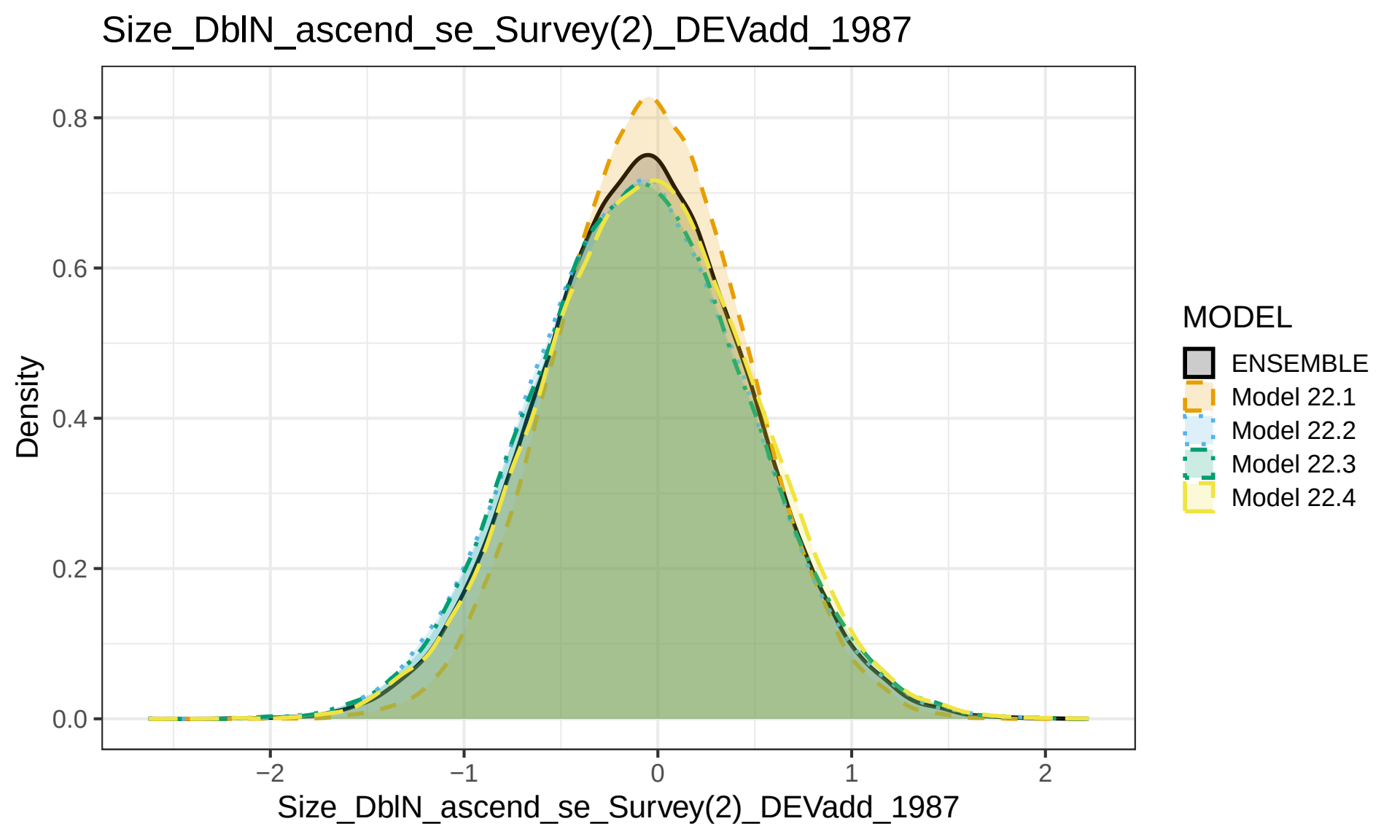

Size_DblN_ascend_se_Survey(2)_DEVadd_1982
Density
0.0
0.2
0.4
0.6
0.8
−3
−2
−1
0
1
Size_DblN_ascend_se_Survey(2)_DEVadd_1982
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

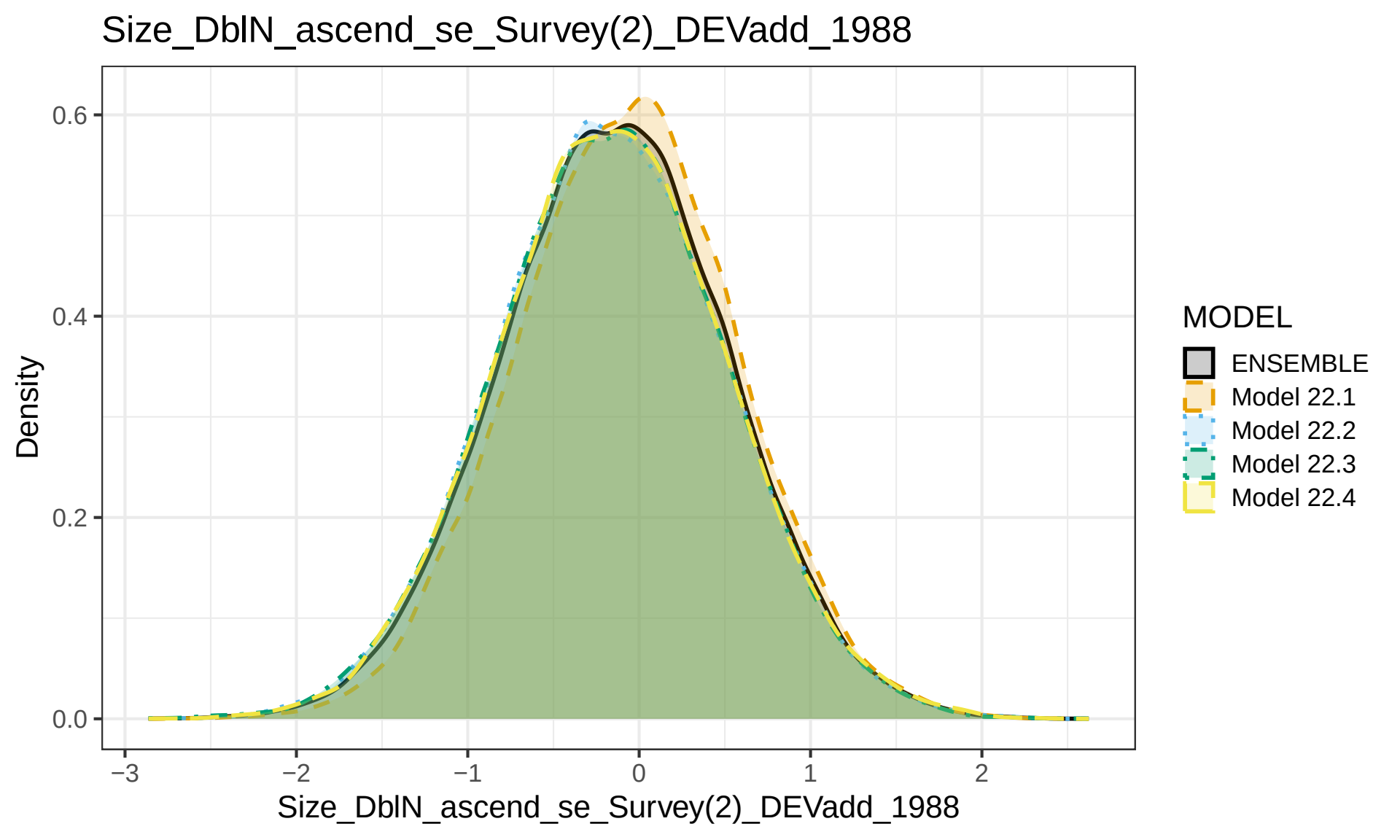

Size_DblN_ascend_se_Survey(2)_DEVadd_1983
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1983
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

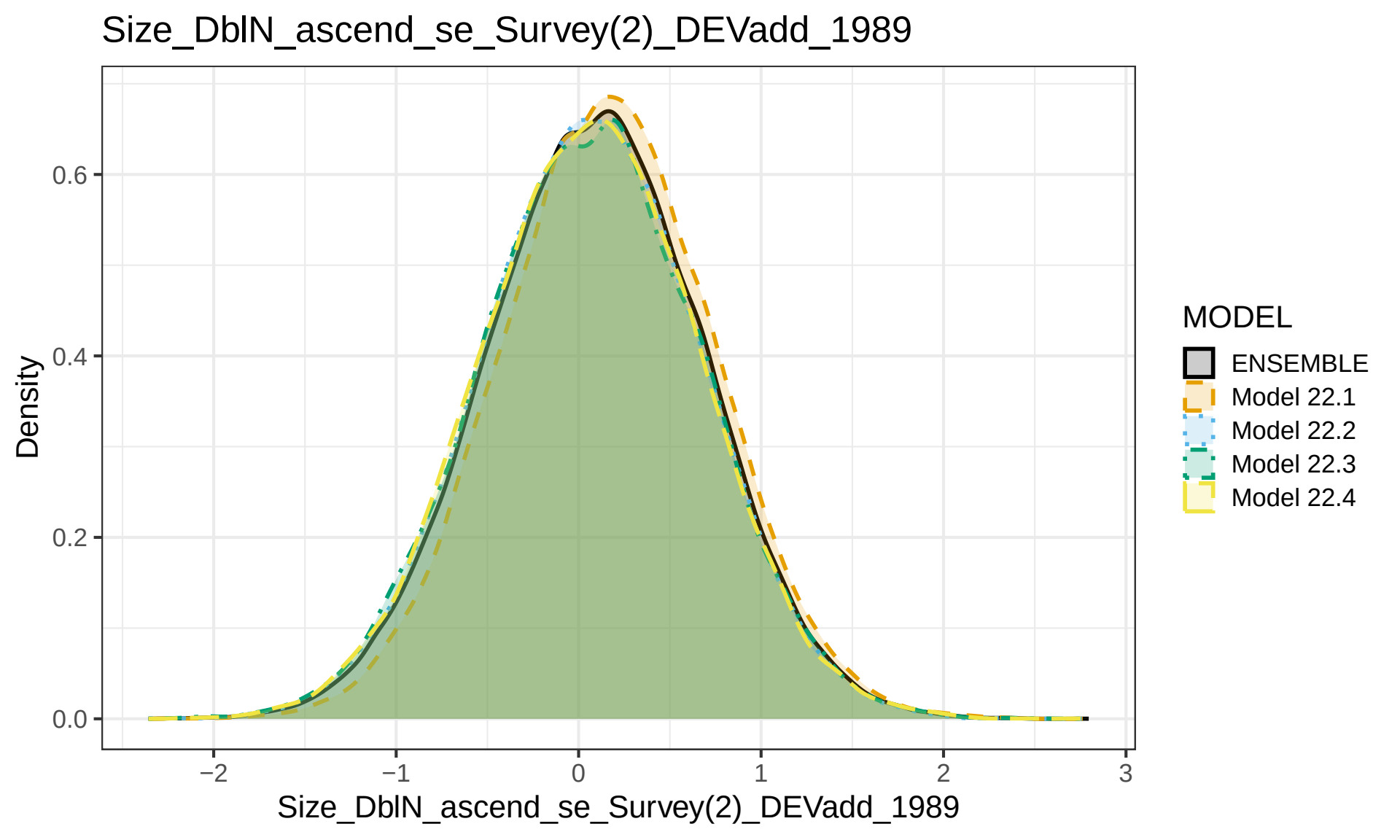

Size_DblN_ascend_se_Survey(2)_DEVadd_1984
Density
0.0
0.3
0.6
0.9
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_1984
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

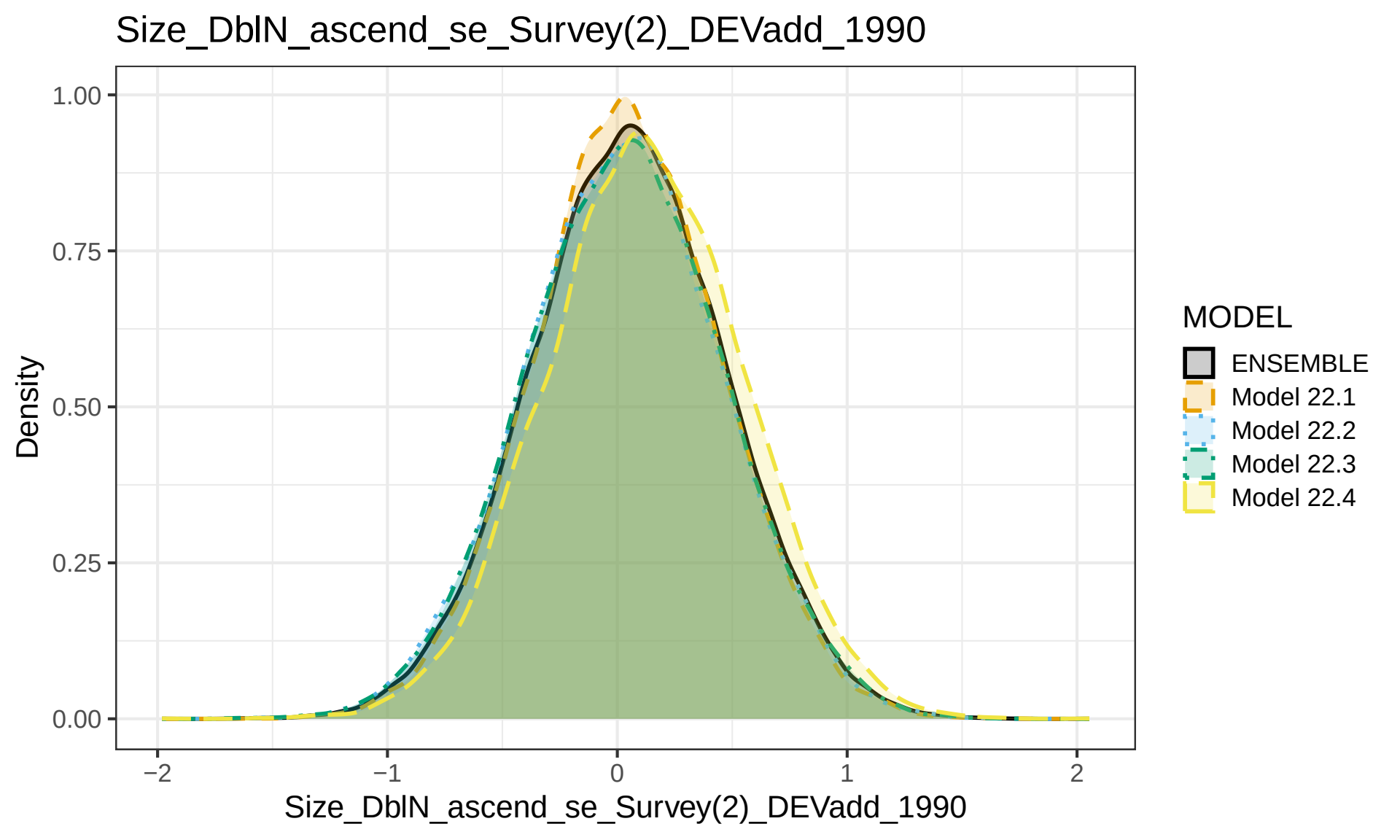

Size_DblN_ascend_se_Survey(2)_DEVadd_1985
Density
1.0
0.5
0.0
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1985
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

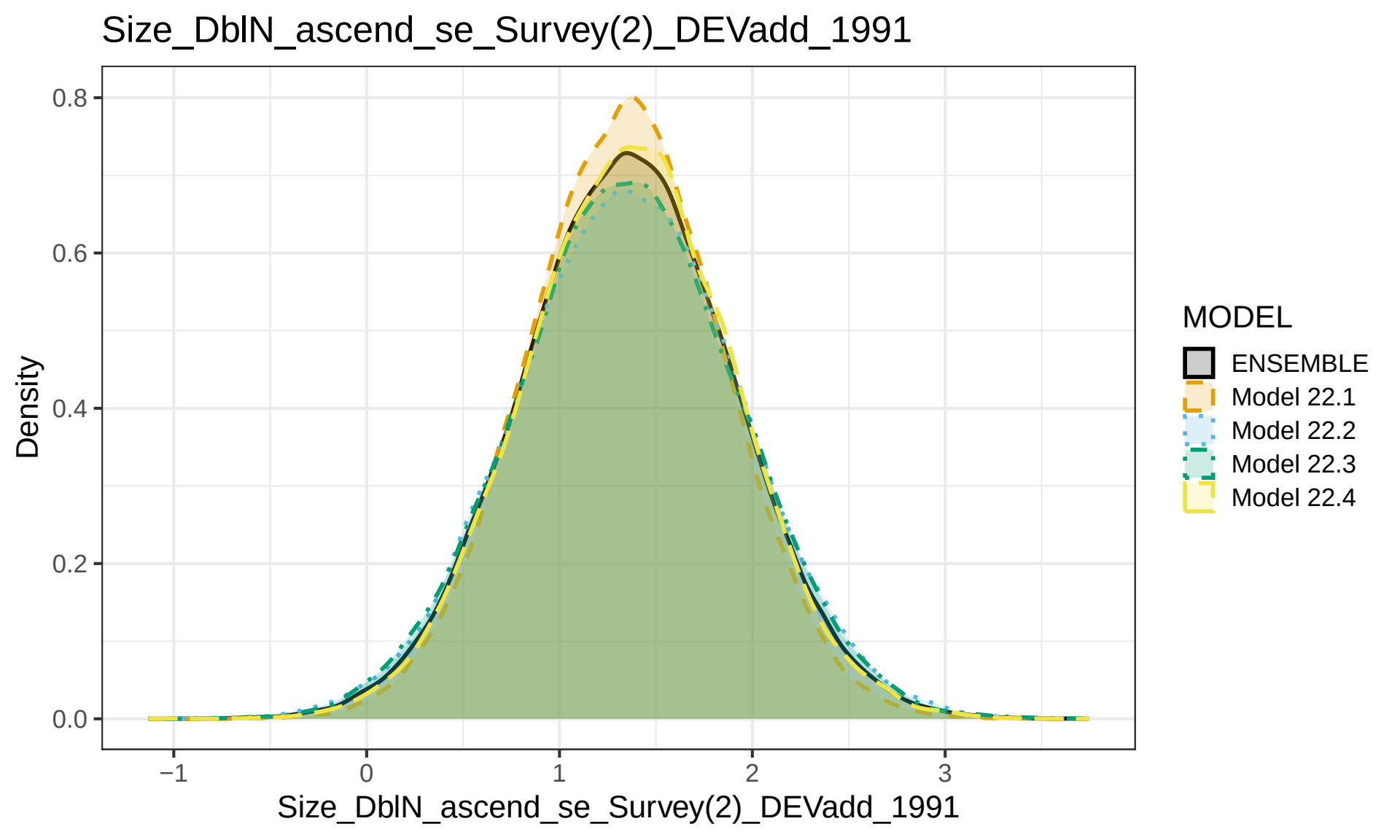

Size_DblN_ascend_se_Survey(2)_DEVadd_1986
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1986
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

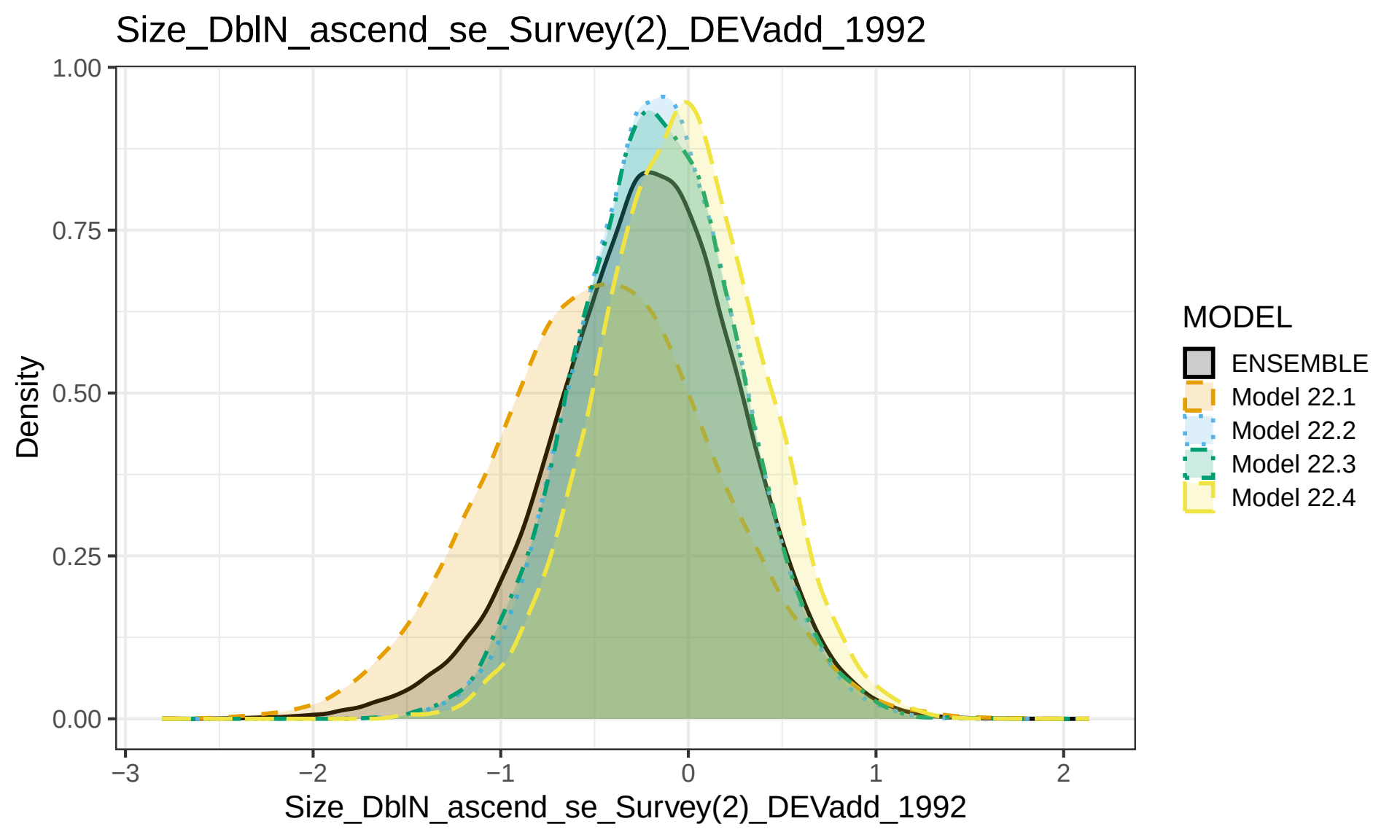

Size_DblN_ascend_se_Survey(2)_DEVadd_1987
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1987
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

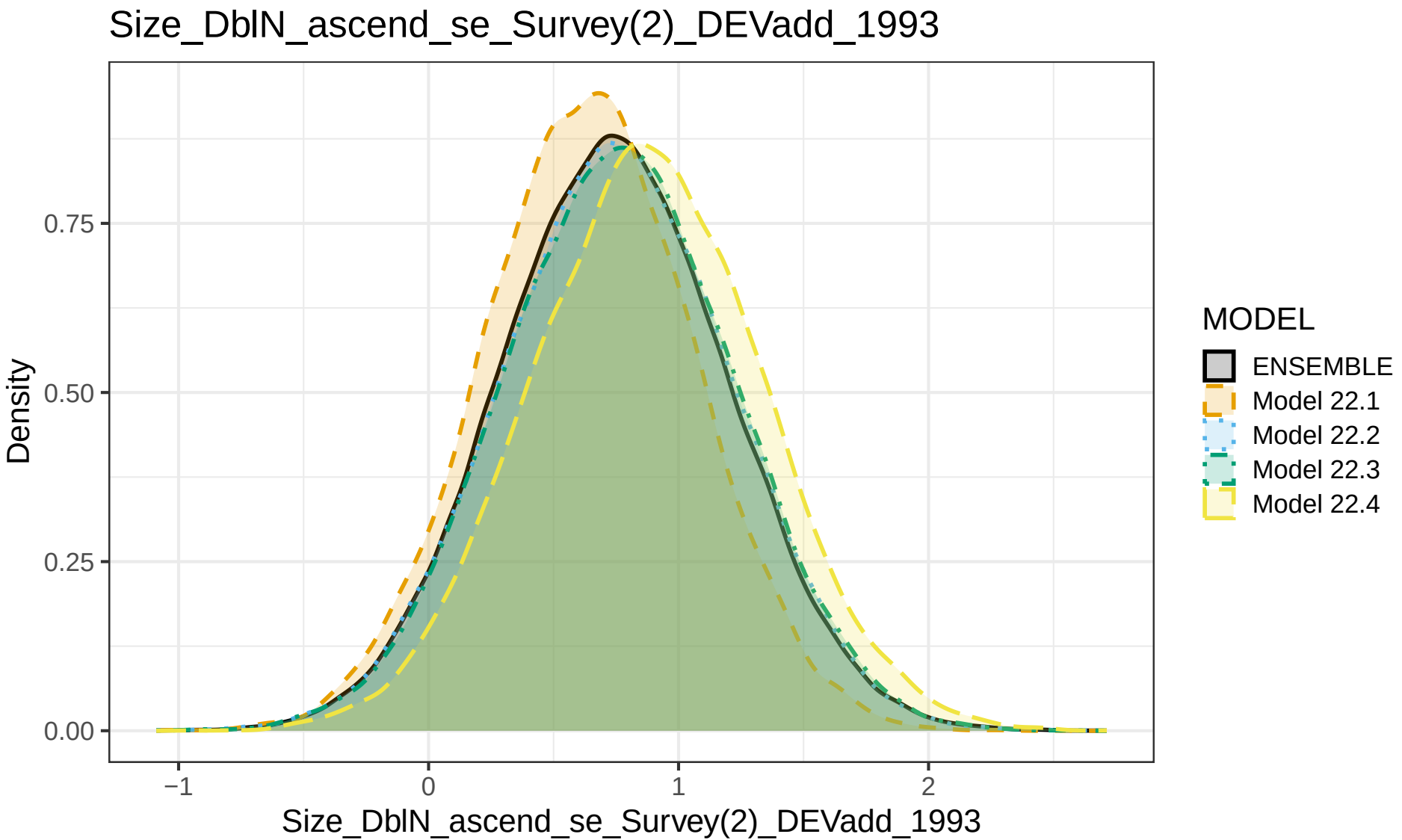

Size_DblN_ascend_se_Survey(2)_DEVadd_1988
Density
0.0
0.2
0.4
0.6
−3
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1988
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

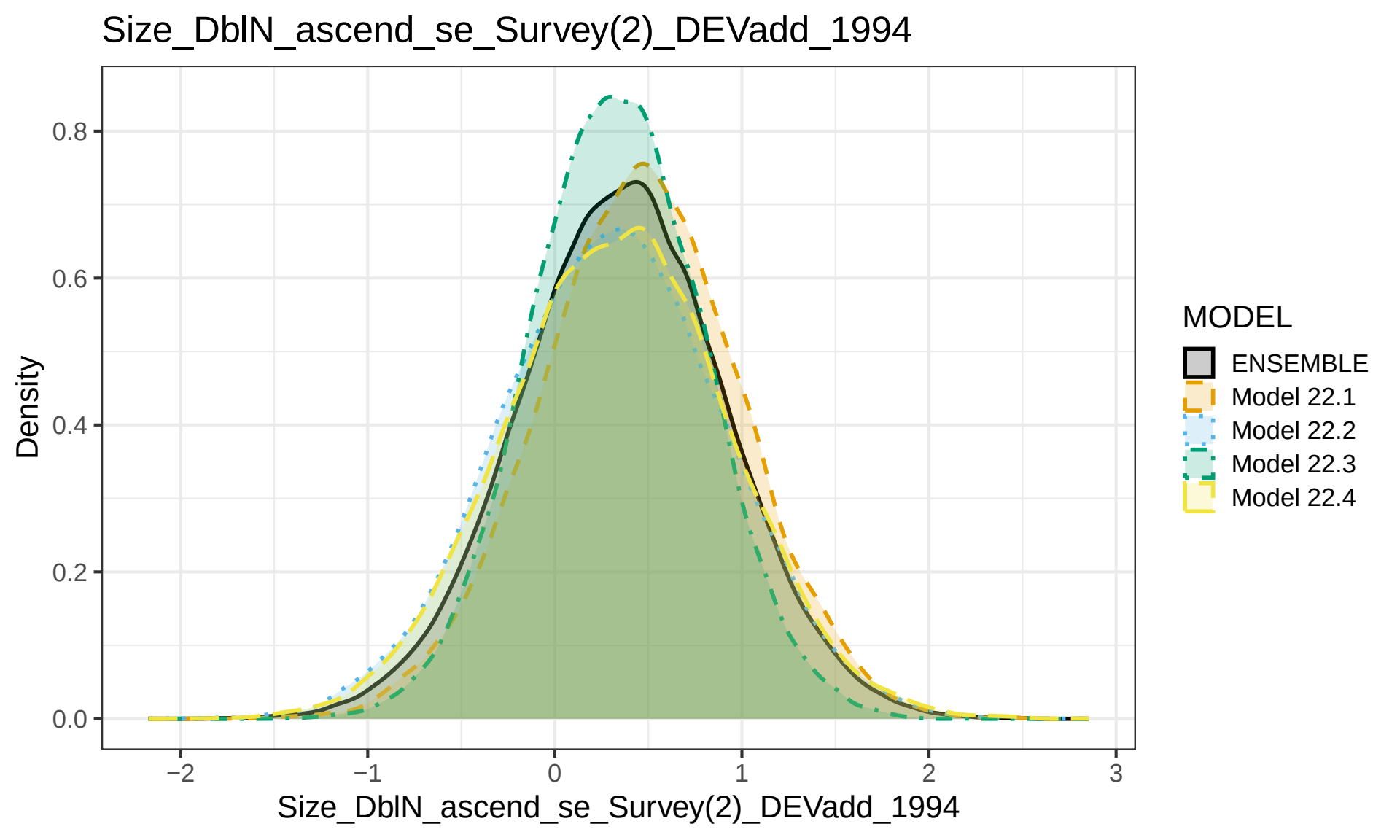

Size_DblN_ascend_se_Survey(2)_DEVadd_1989
Density
0.0
0.2
0.4
0.6
−2
−1
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_1989
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

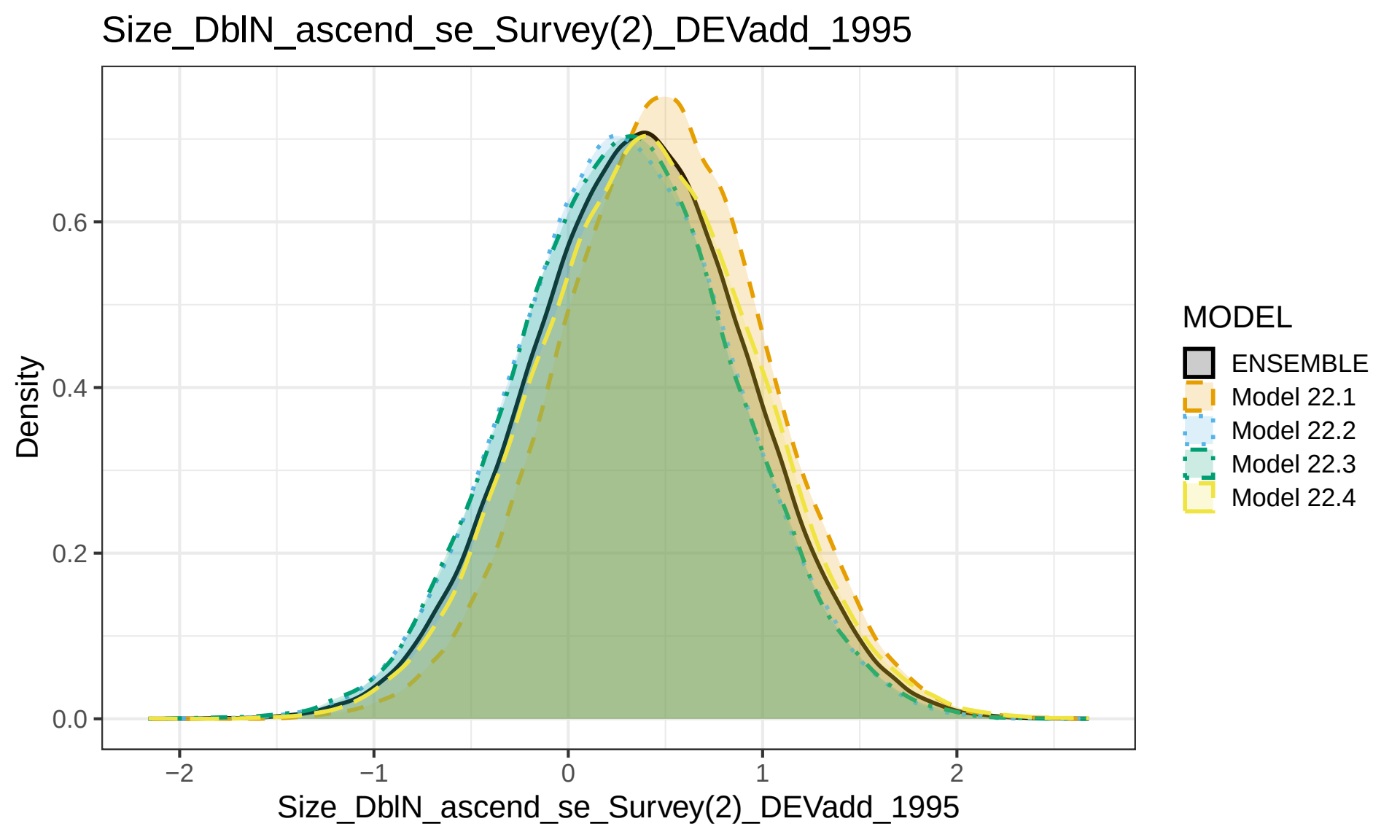

Size_DblN_ascend_se_Survey(2)_DEVadd_1990
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1990
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

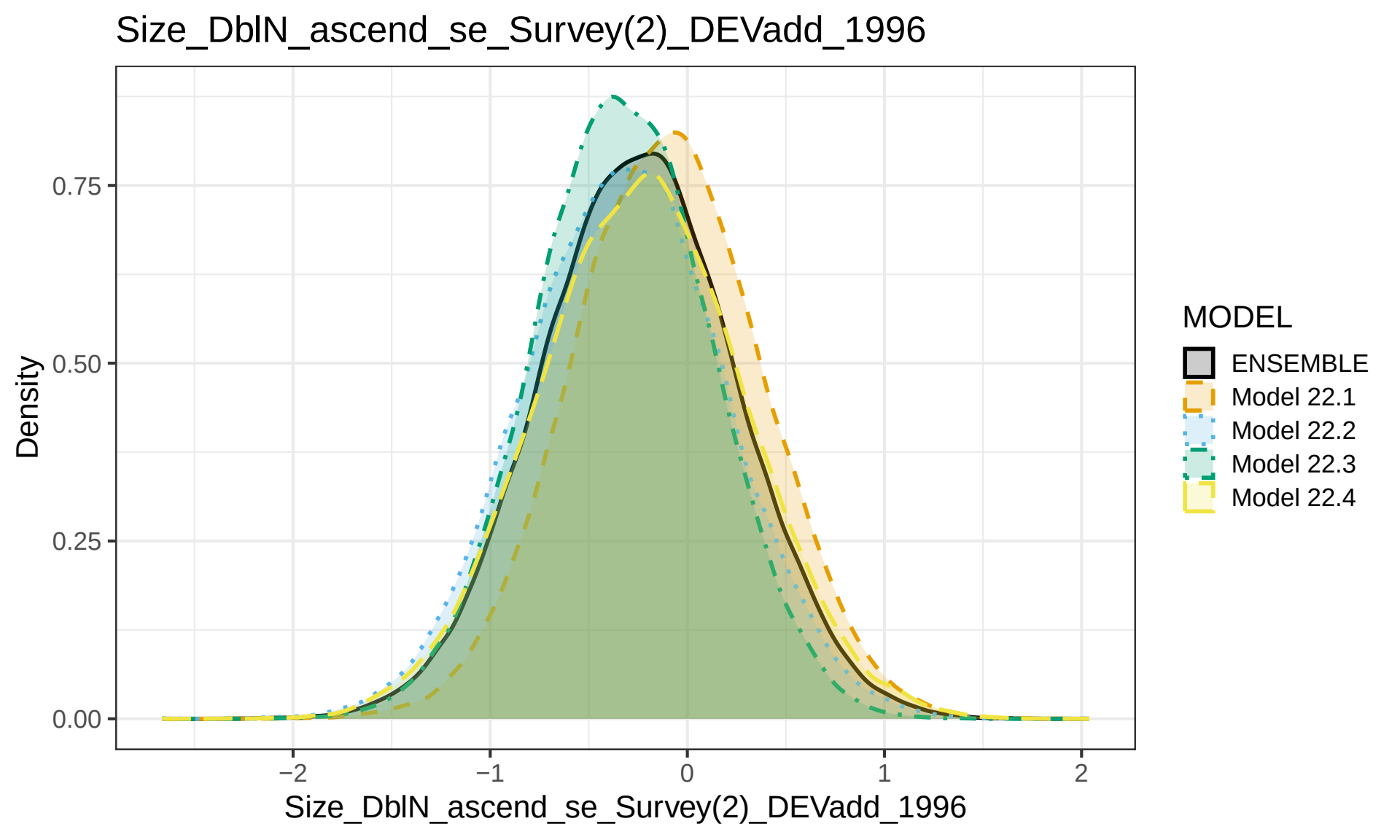

Size_DblN_ascend_se_Survey(2)_DEVadd_1991
Density
0.0
0.2
0.4
0.6
0.8
−1
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_1991
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

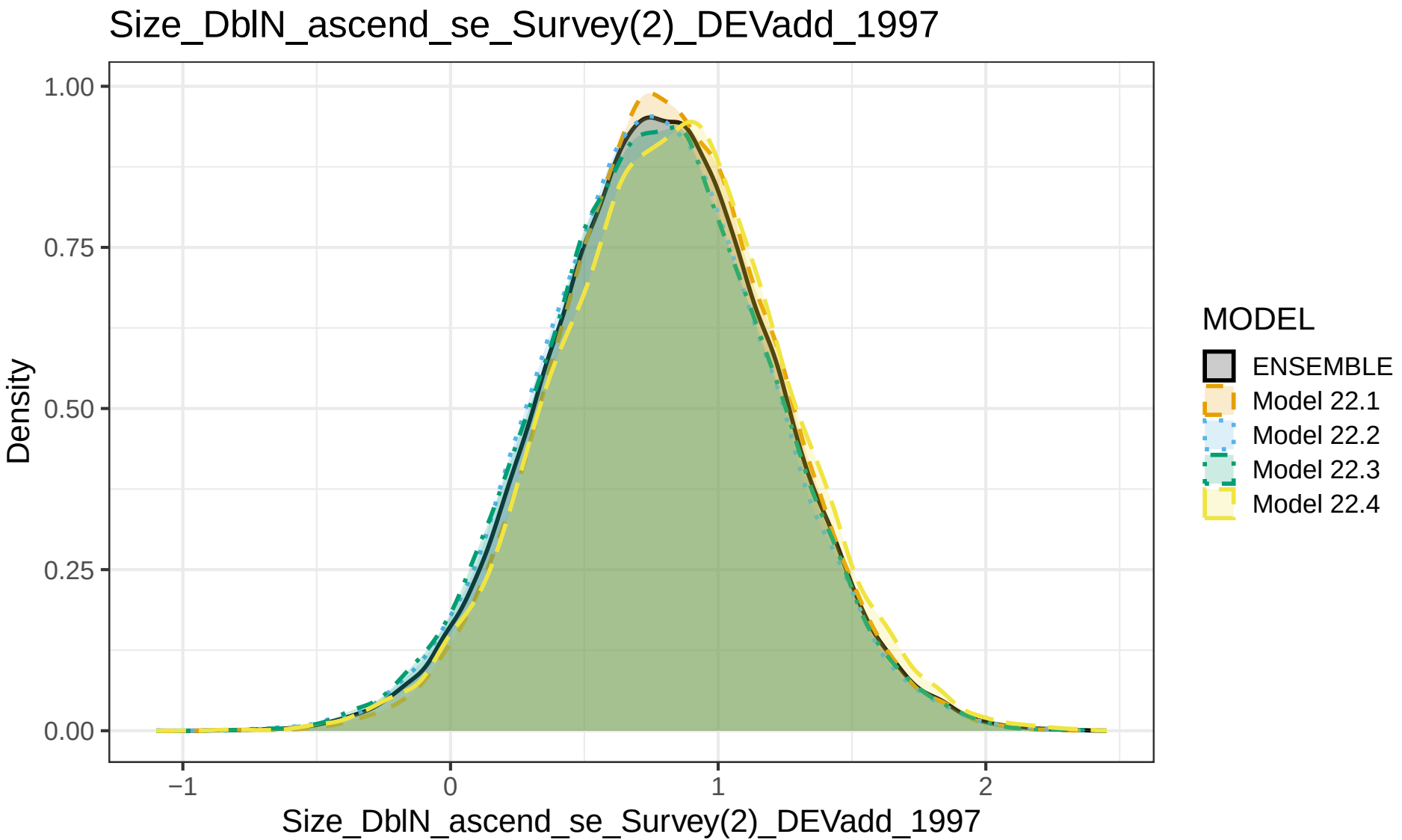

Size_DblN_ascend_se_Survey(2)_DEVadd_1992
1.00
0.75
0.50
0.25
0.00
Density
−3
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1992
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

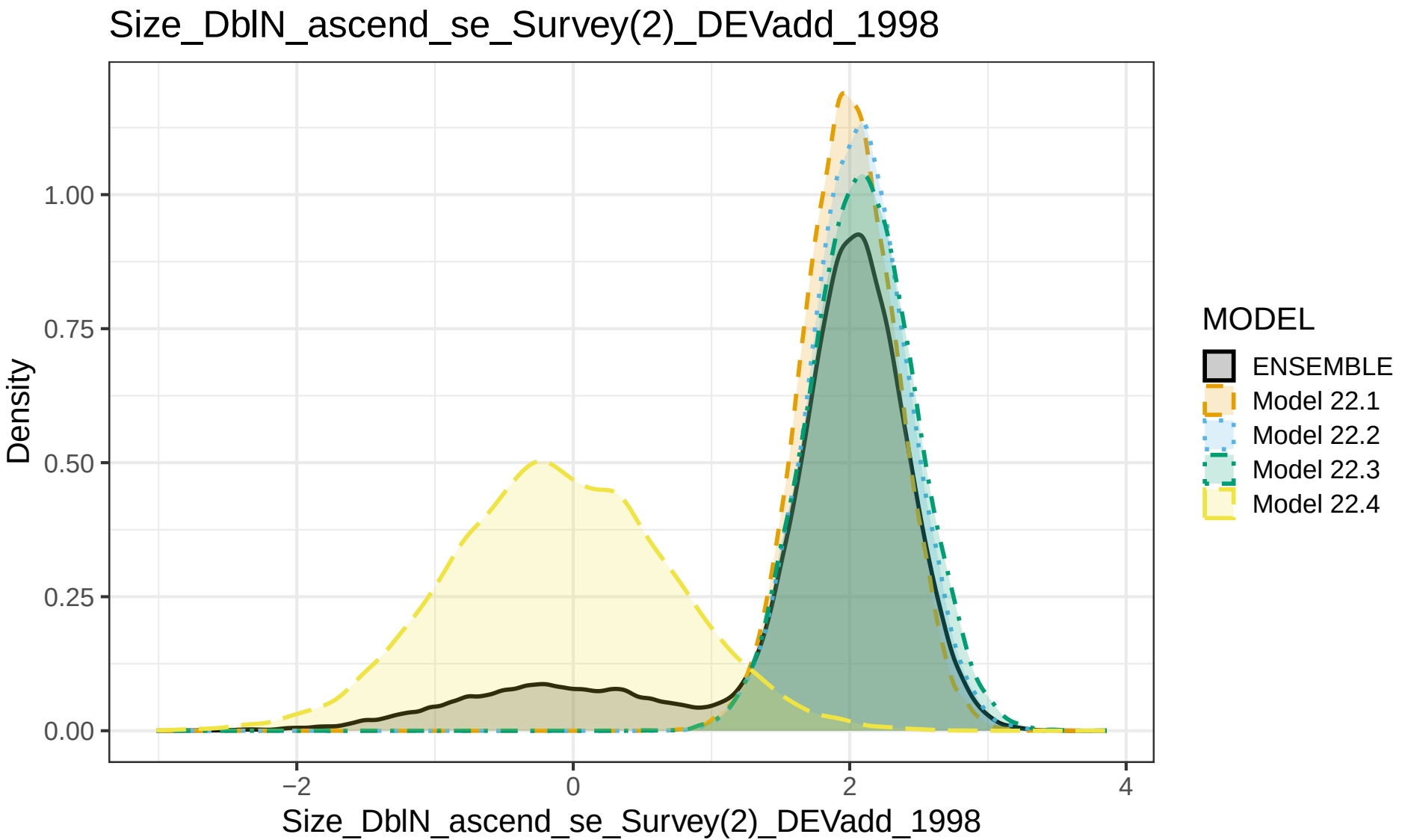

Size_DblN_ascend_se_Survey(2)_DEVadd_1993
Density
0.00
0.25
0.50
0.75
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1993
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

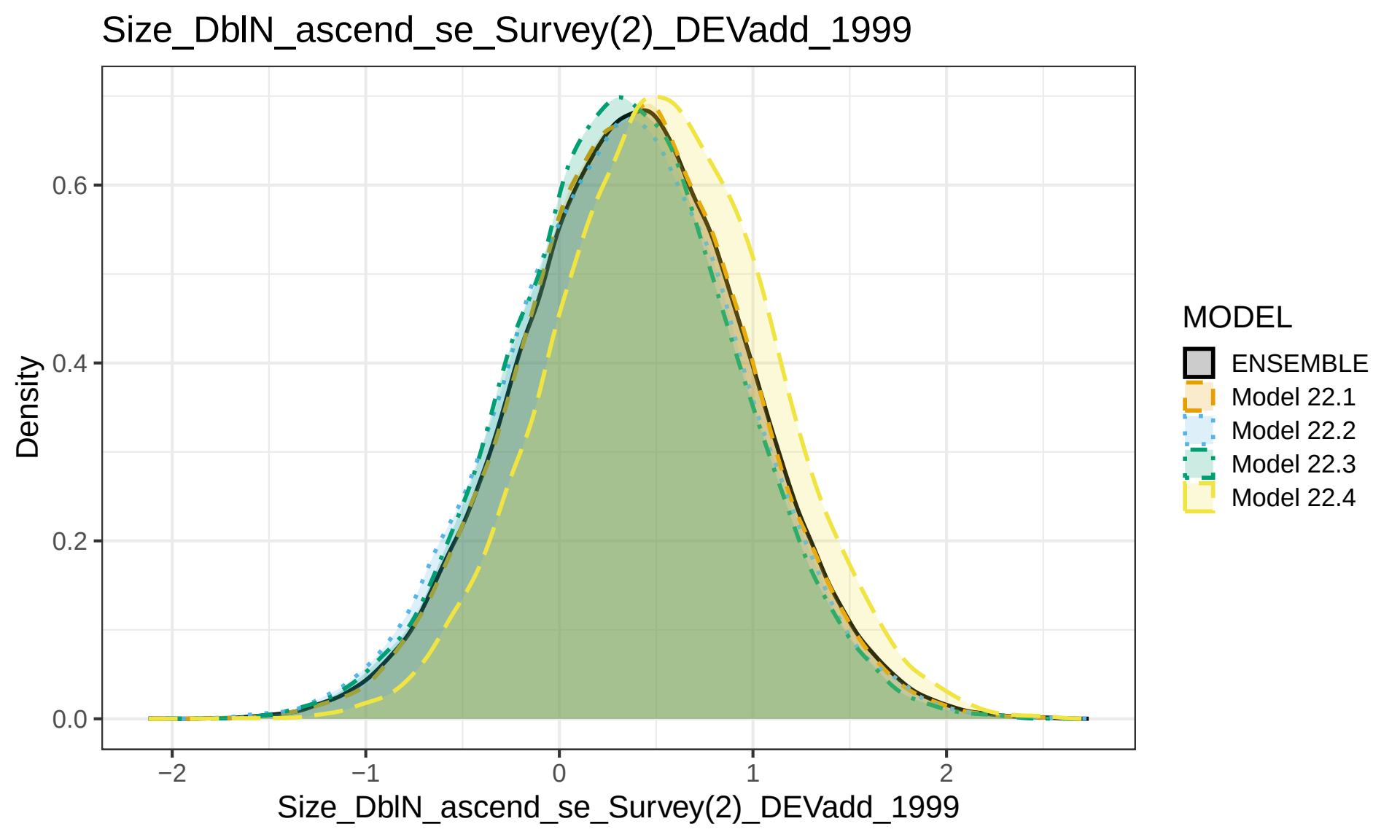

Size_DblN_ascend_se_Survey(2)_DEVadd_1994
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_1994
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

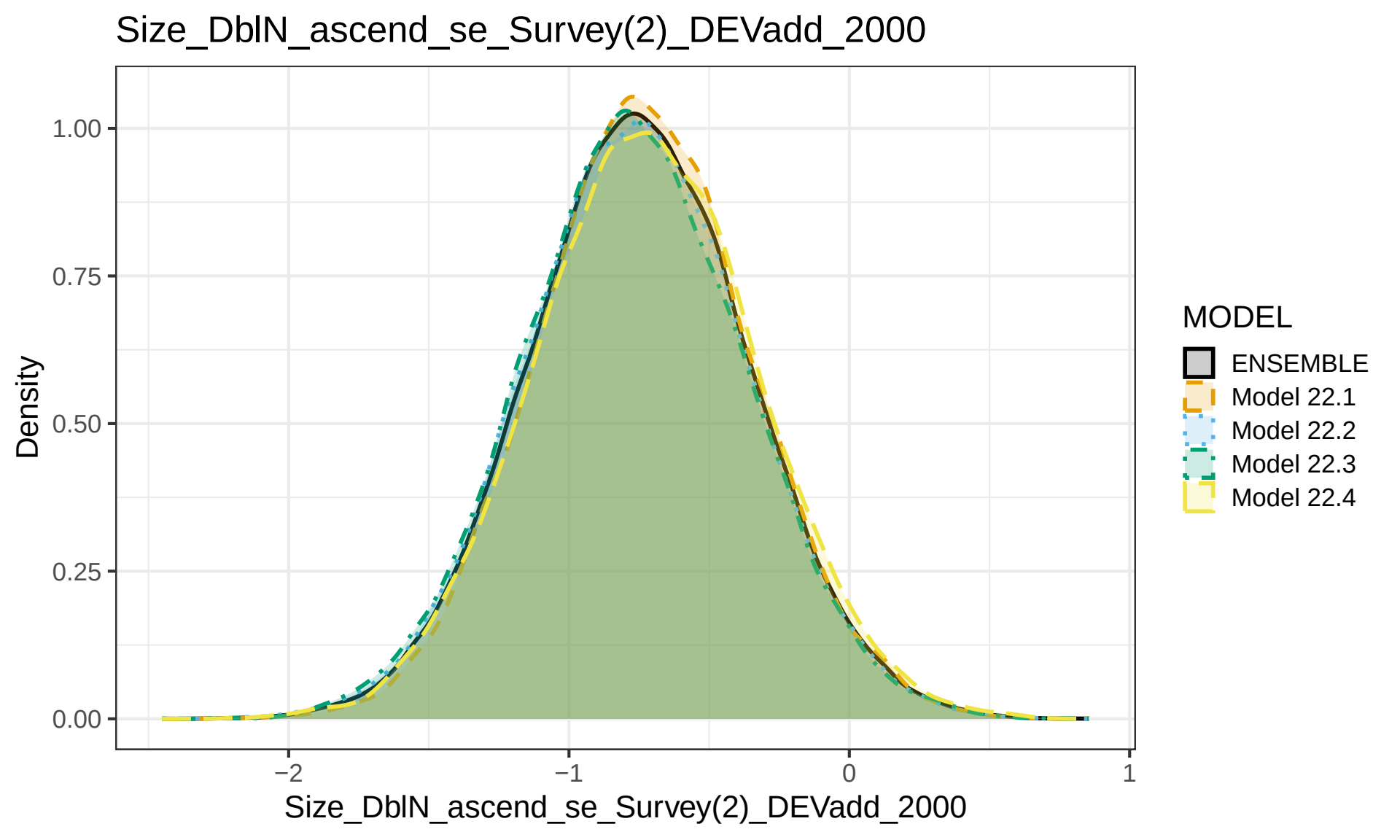

Size_DblN_ascend_se_Survey(2)_DEVadd_1995
Density
0.0
0.2
0.4
0.6
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1995
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_1996
Density
0.00
0.25
0.50
0.75
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1996
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_1997
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1997
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_1998
Density
1.00
0.75
0.50
0.25
0.00
−2
0
2
4
Size_DblN_ascend_se_Survey(2)_DEVadd_1998
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_1999
Density
0.0
0.2
0.4
0.6
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_1999
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2000
Density
1.00
0.75
0.50
0.25
0.00
−2
−1
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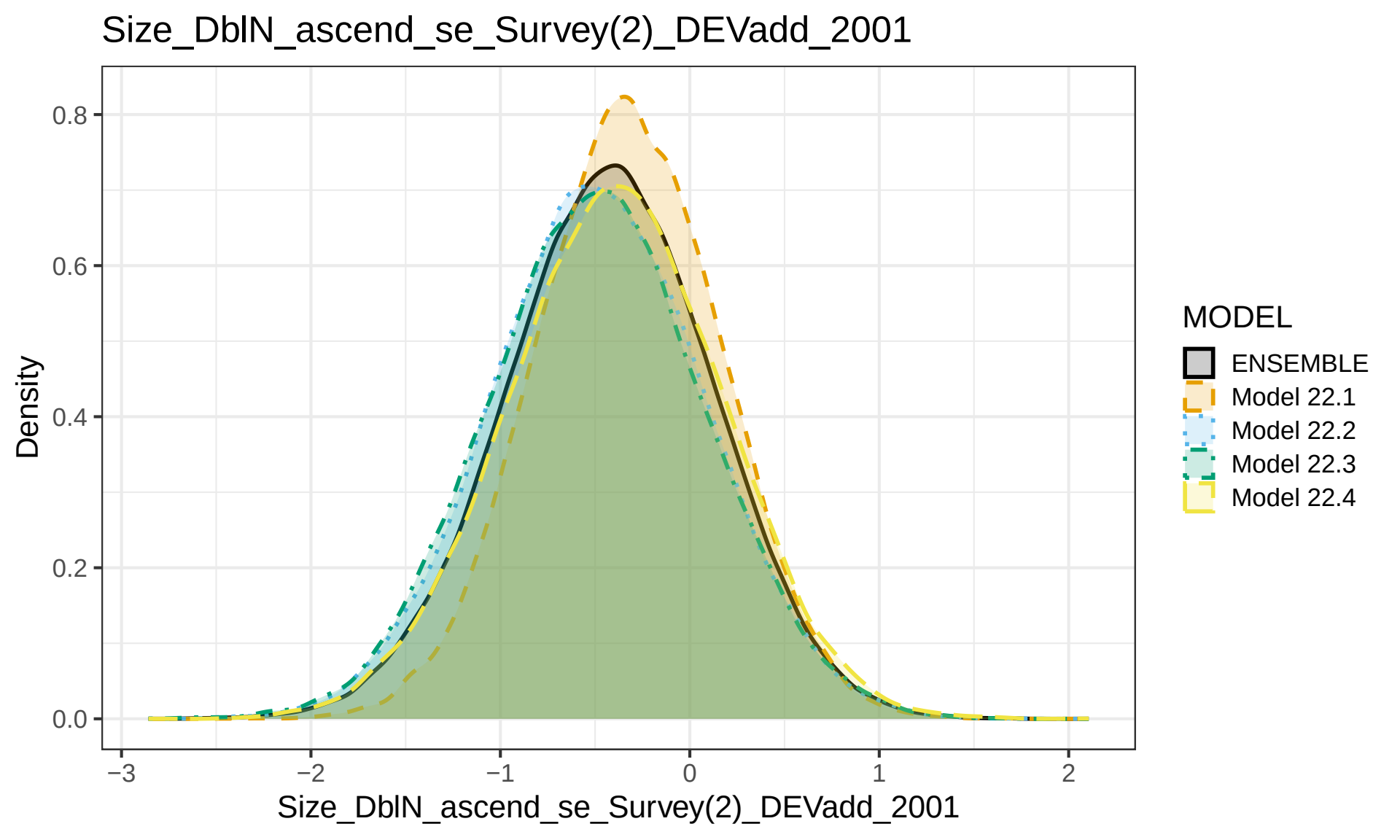
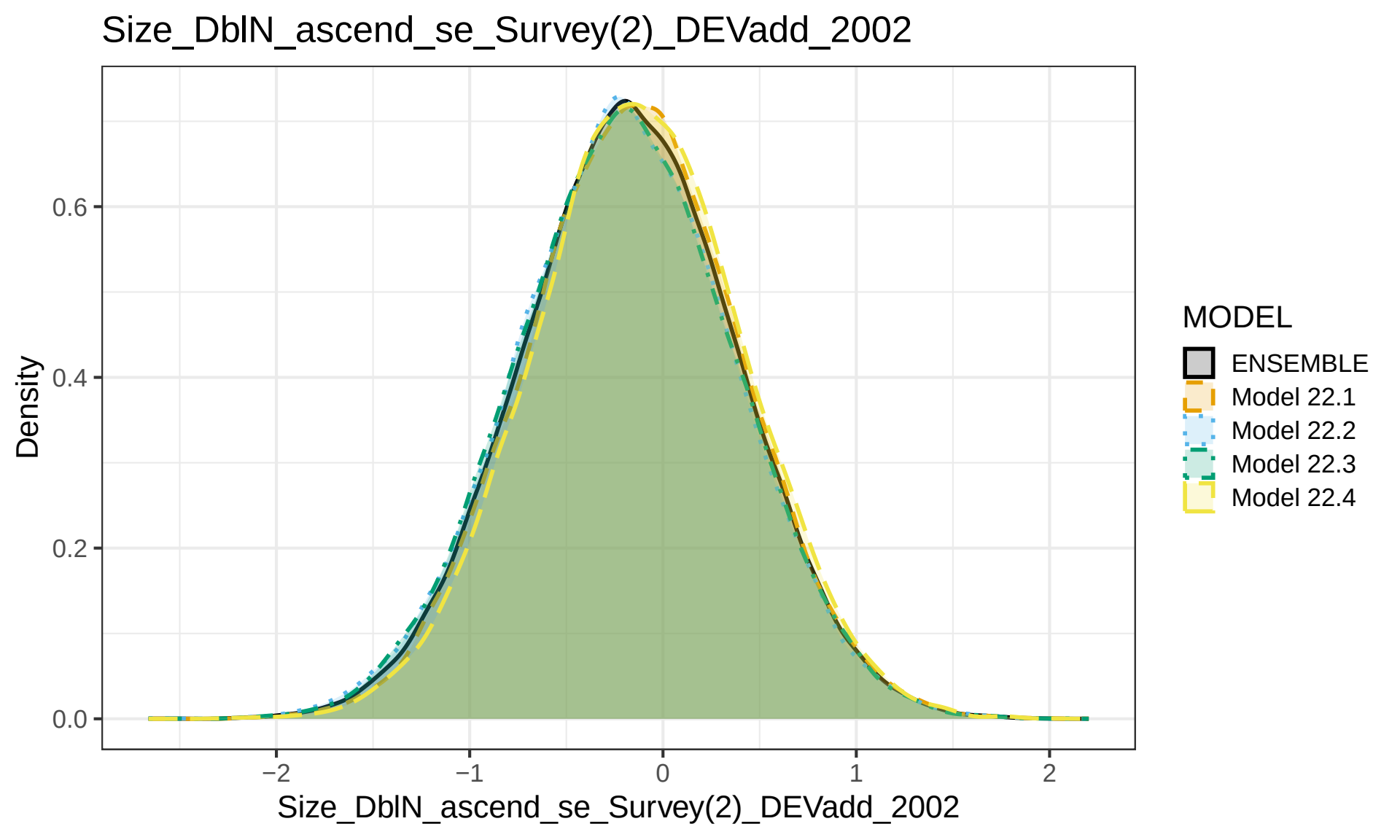
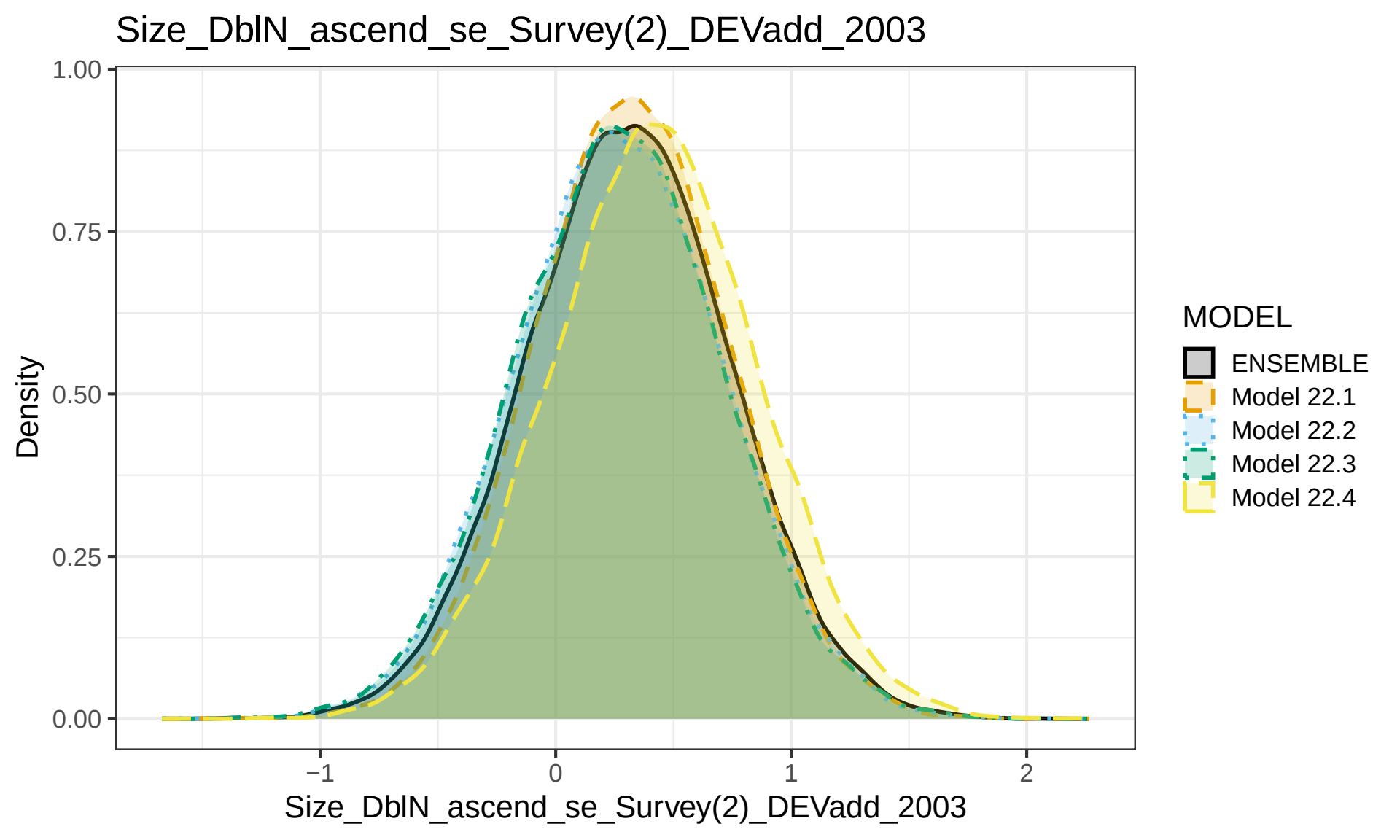
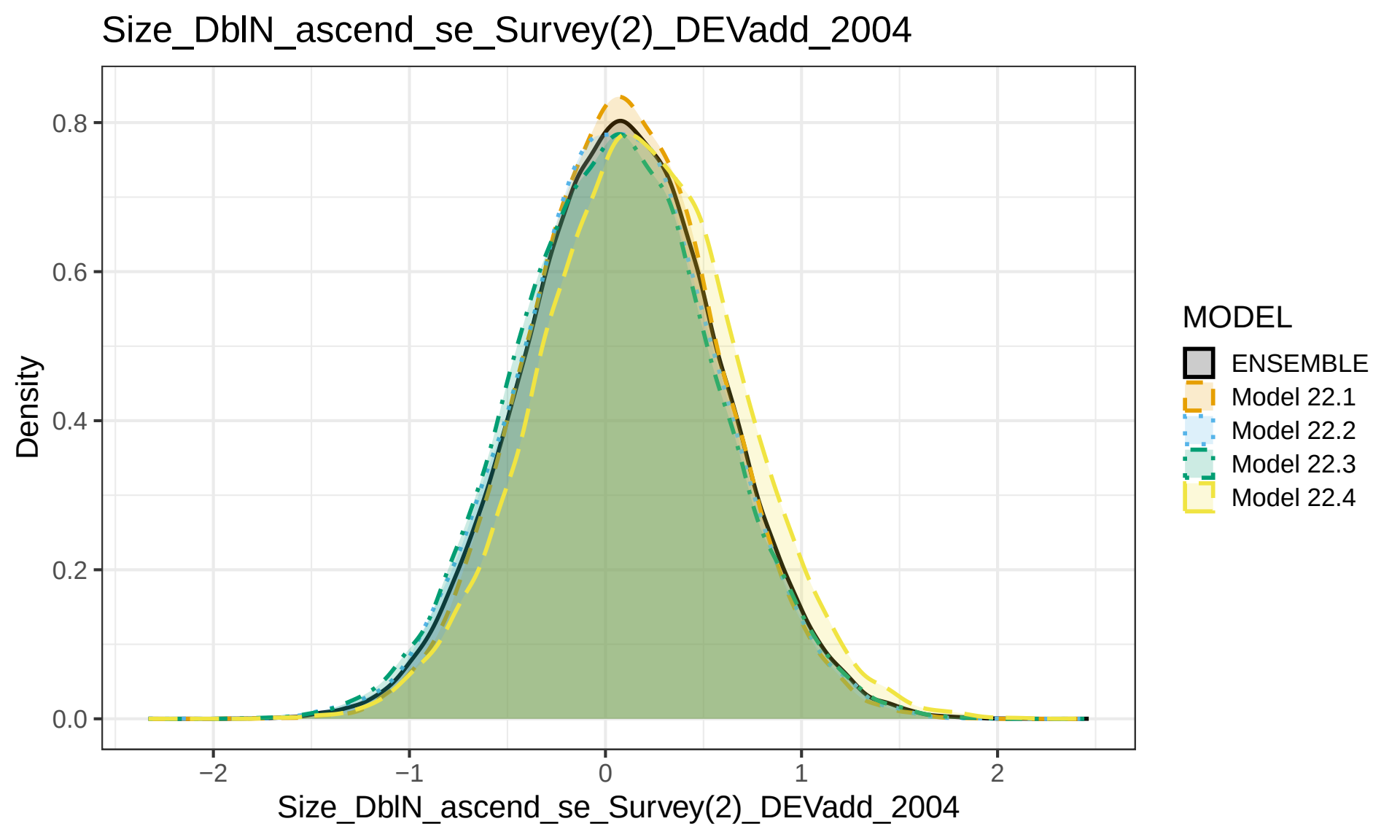
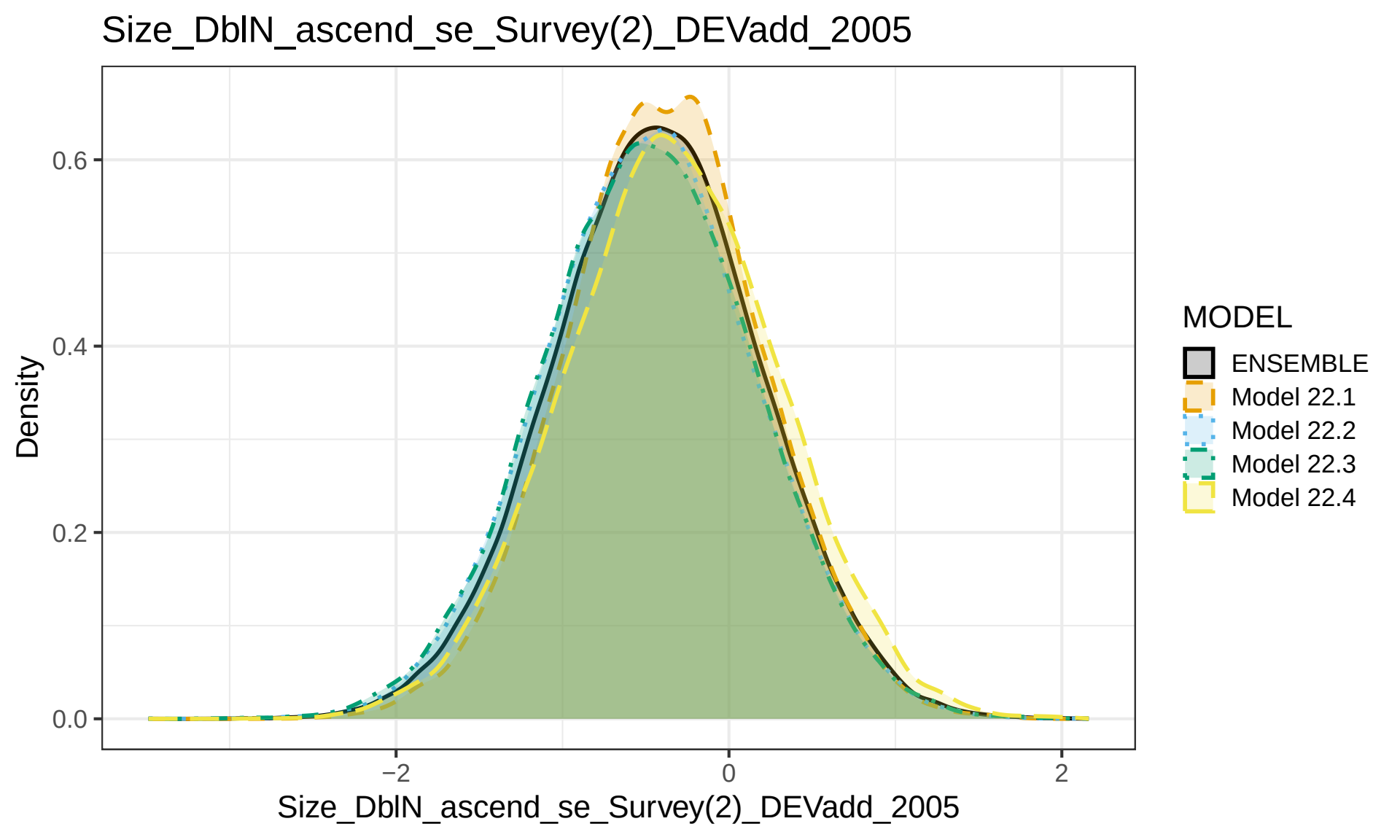
Size_DblN_ascend_se_Survey(2)_DEVadd_2000
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

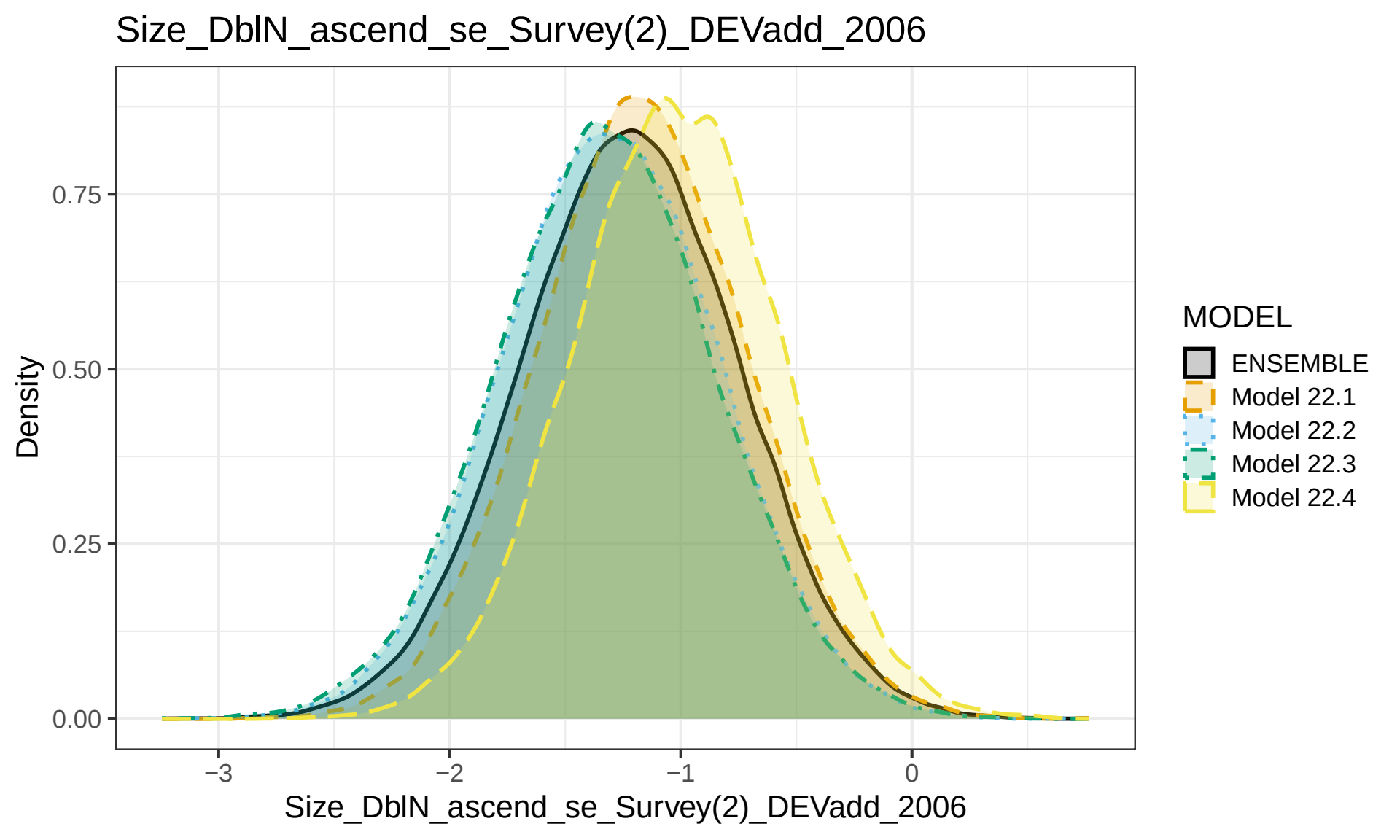

Size_DblN_ascend_se_Survey(2)_DEVadd_2001
Density
0.0
0.2
0.4
0.6
0.8
−3
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2001
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2002
Density
0.0
0.2
0.4
0.6
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2002
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2003
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2003
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2004
Density
0.0
0.2
0.4
0.6
0.8
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2004
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2005
Density
0.0
0.2
0.4
0.6
−2
0
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2005
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2006
Density
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0.25
0.50
0.75
−3
−2
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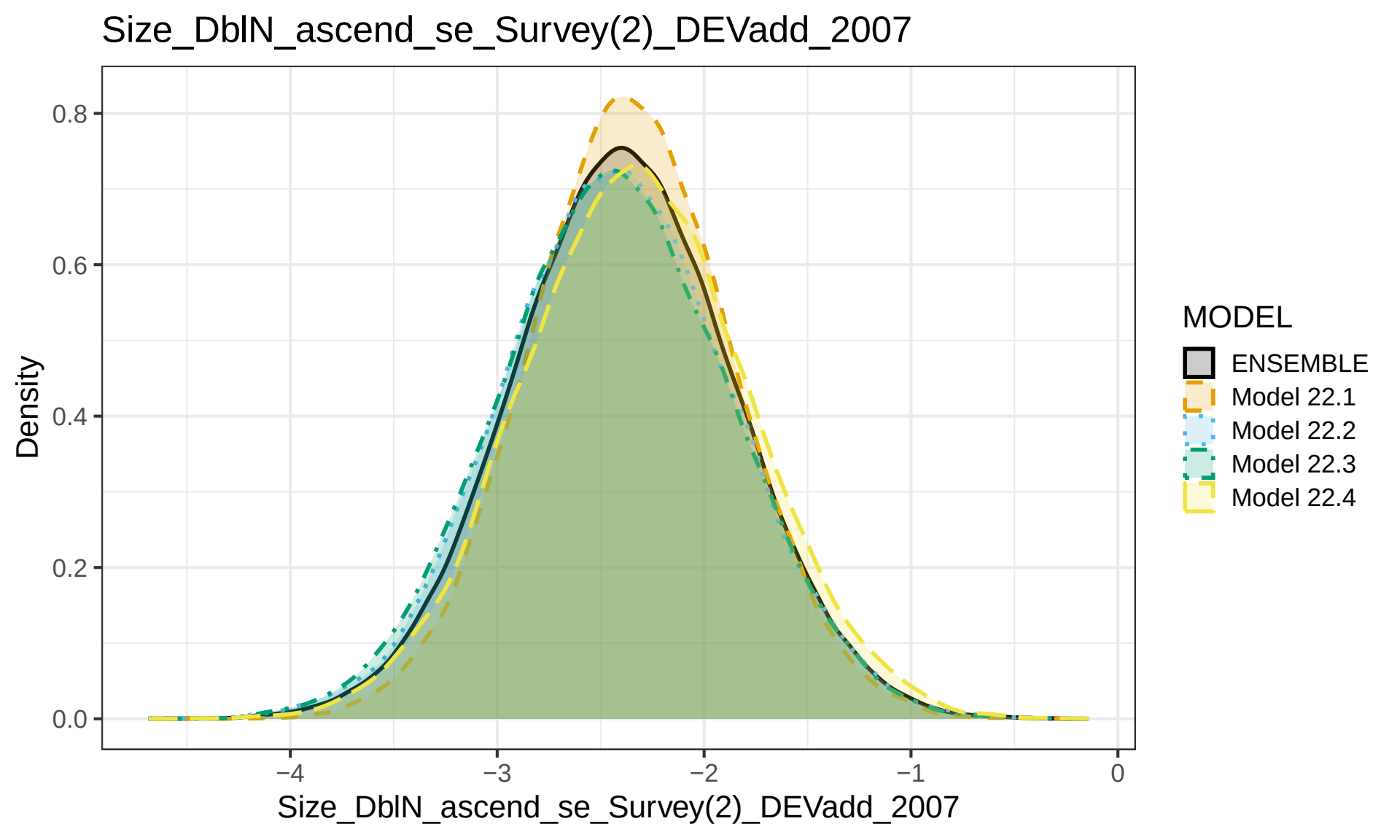
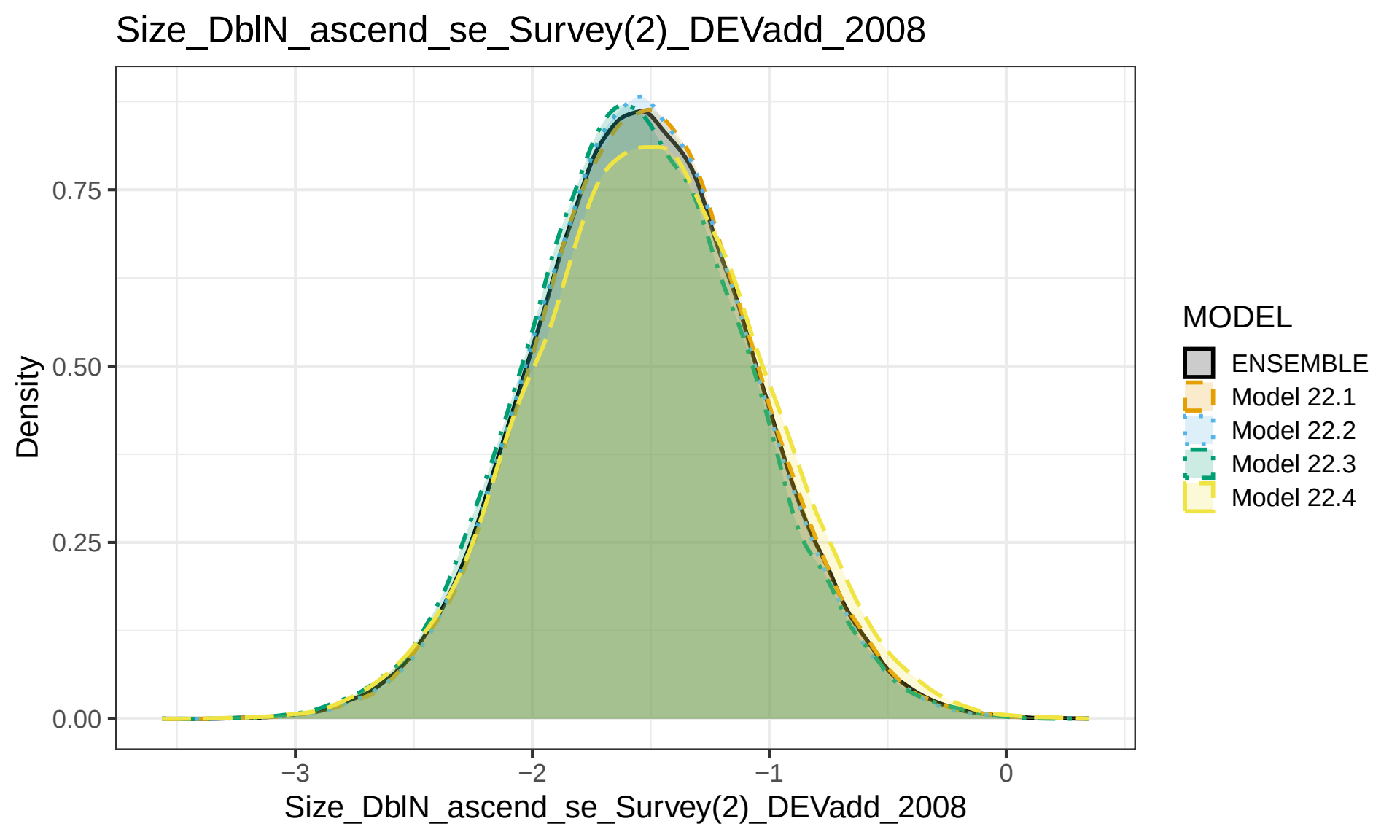
Size_DblN_ascend_se_Survey(2)_DEVadd_2006
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2007
Density
0.0
0.2
0.4
0.6
0.8
−4
−3
−2
−1
0
Size_DblN_ascend_se_Survey(2)_DEVadd_2007
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2008
Density
0.00
0.25
0.50
0.75
−3
−2
−1
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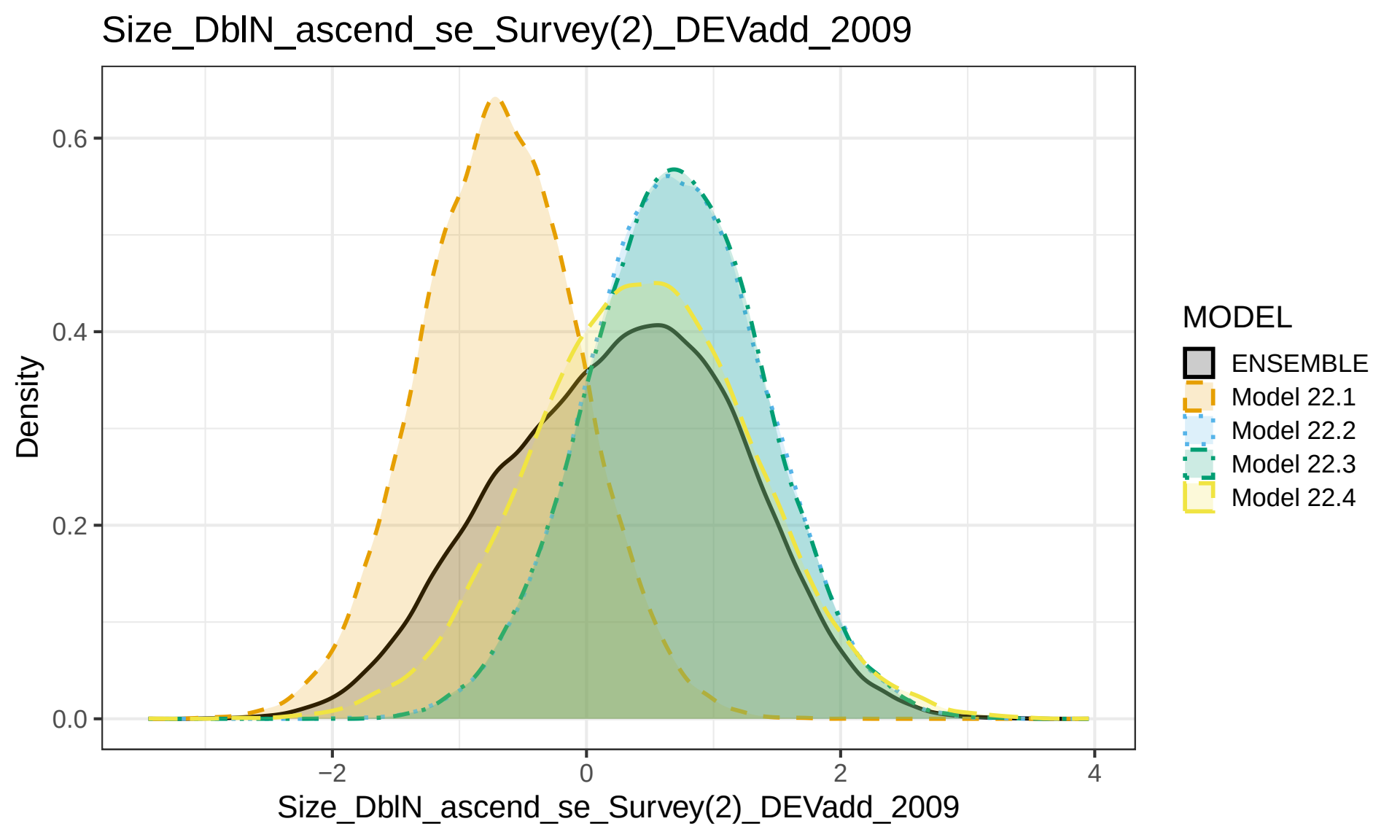
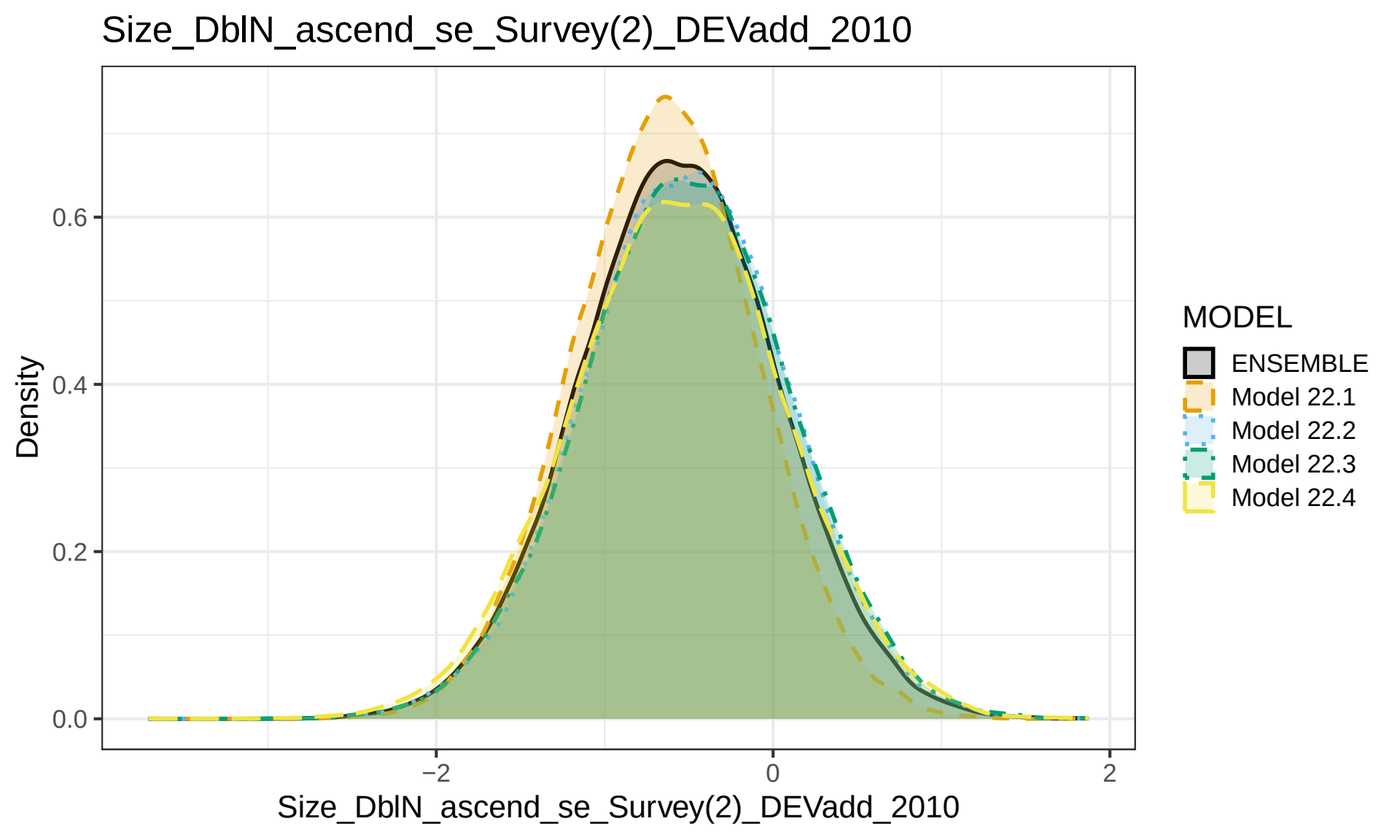
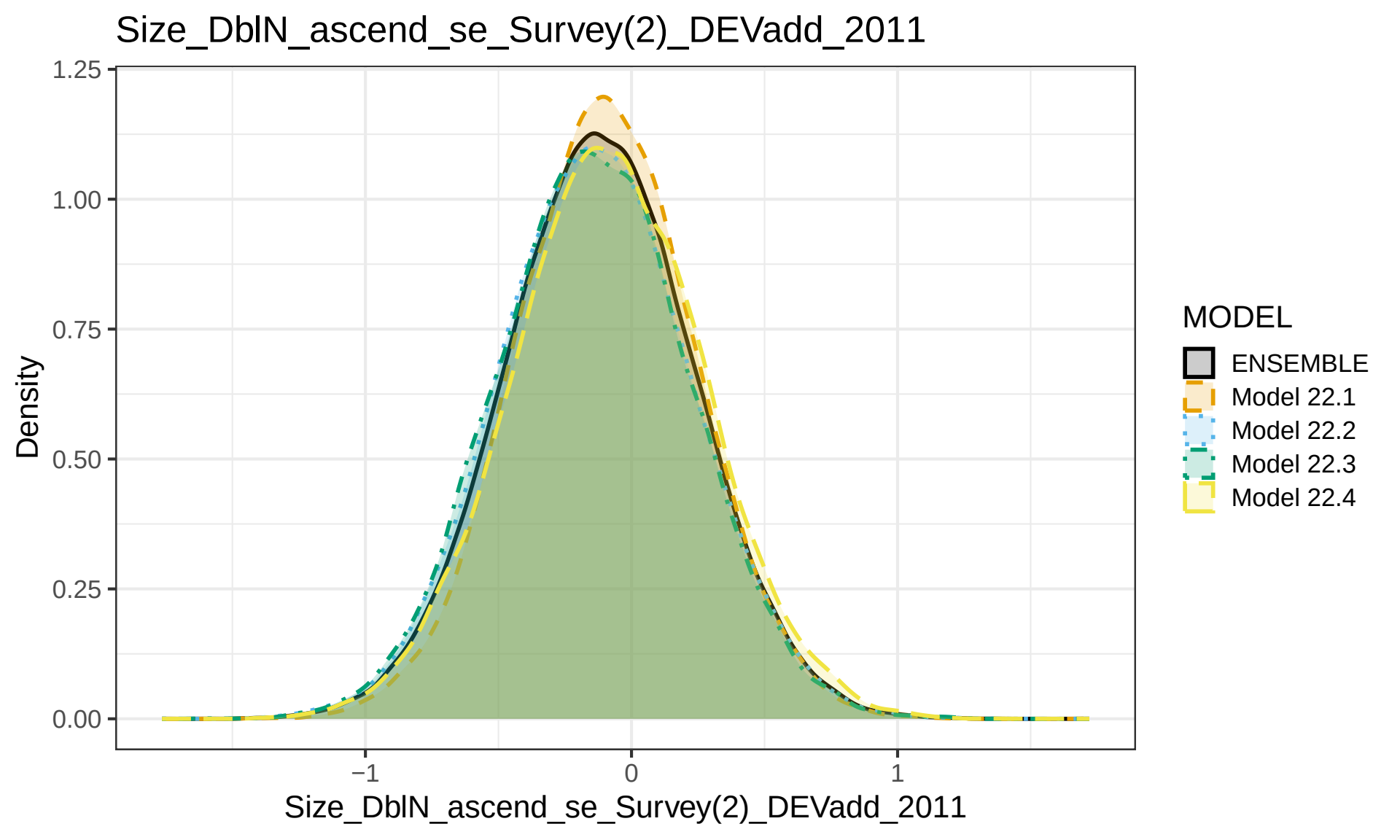
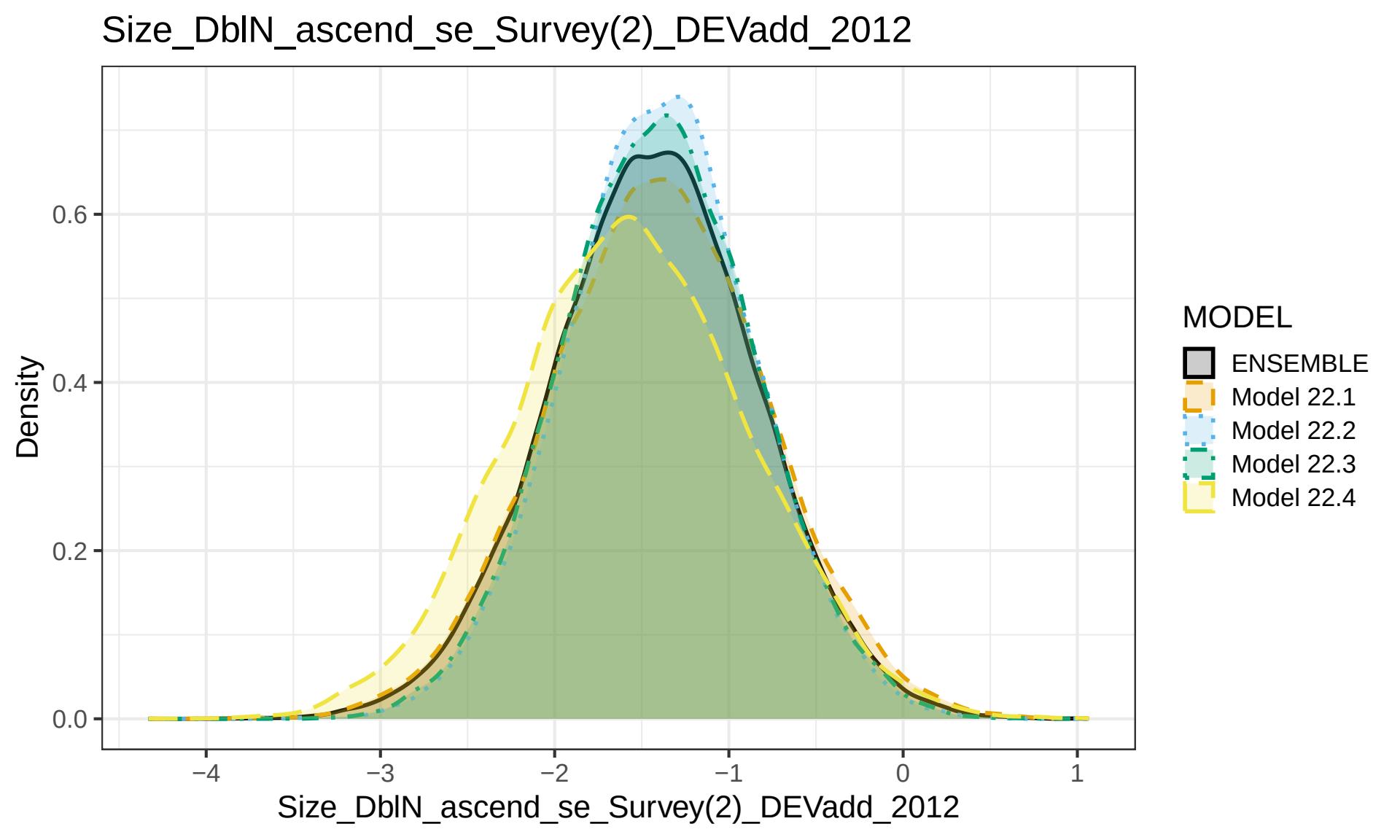
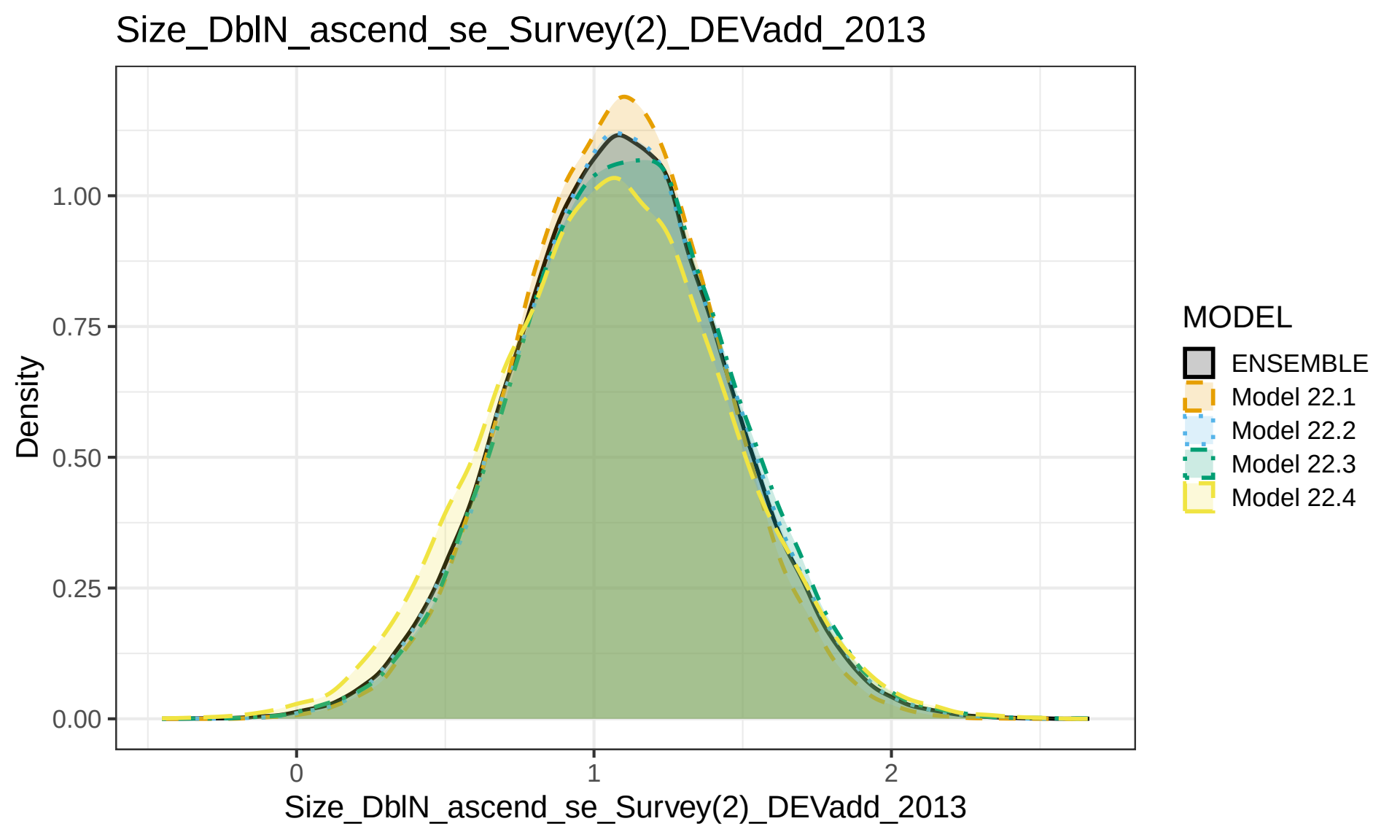
Size_DblN_ascend_se_Survey(2)_DEVadd_2008
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

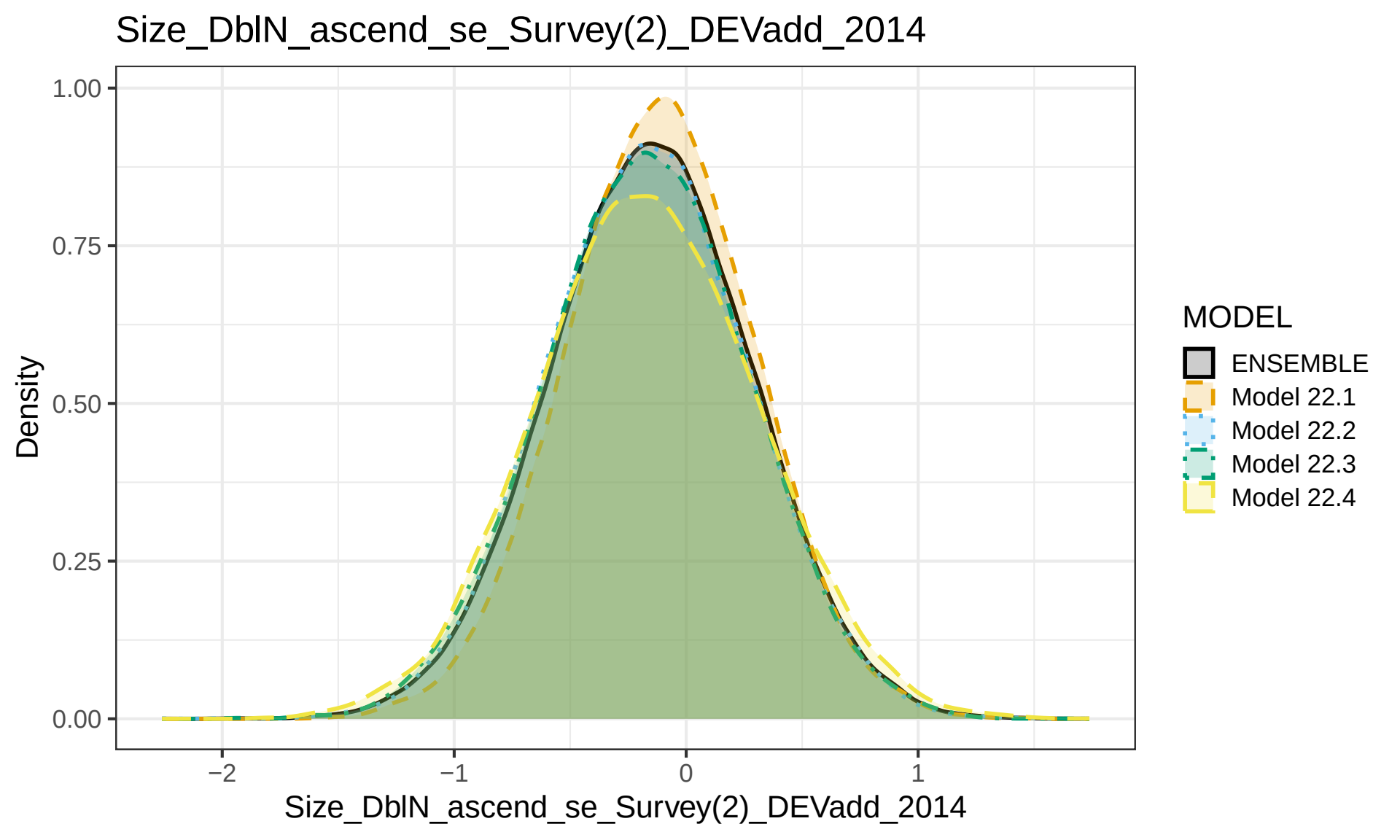

Size_DblN_ascend_se_Survey(2)_DEVadd_2009
Density
0.0
0.2
0.4
0.6
−2
0
2
4
Size_DblN_ascend_se_Survey(2)_DEVadd_2009
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

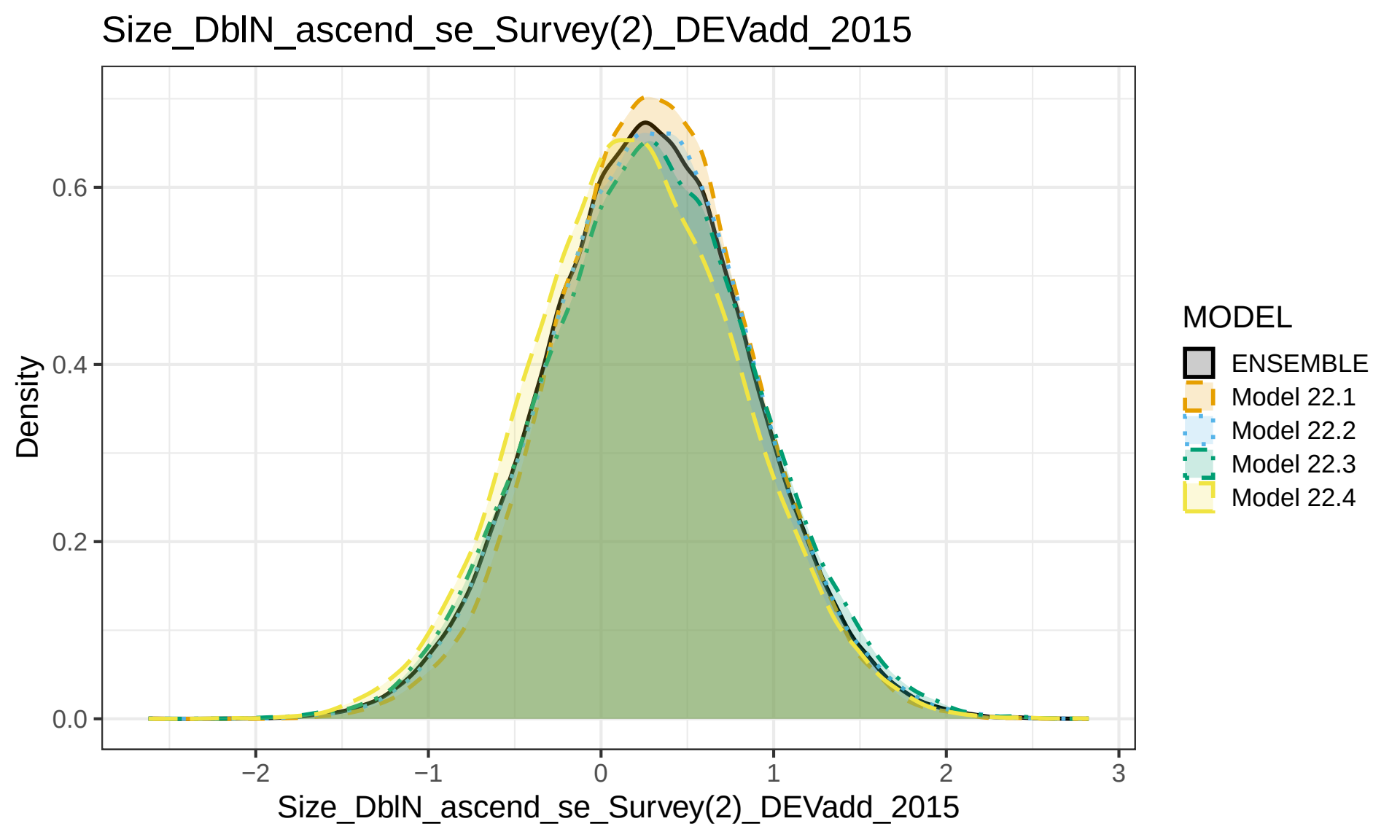

Size_DblN_ascend_se_Survey(2)_DEVadd_2010
Density
0.0
0.2
0.4
0.6
−2
0
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2010
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

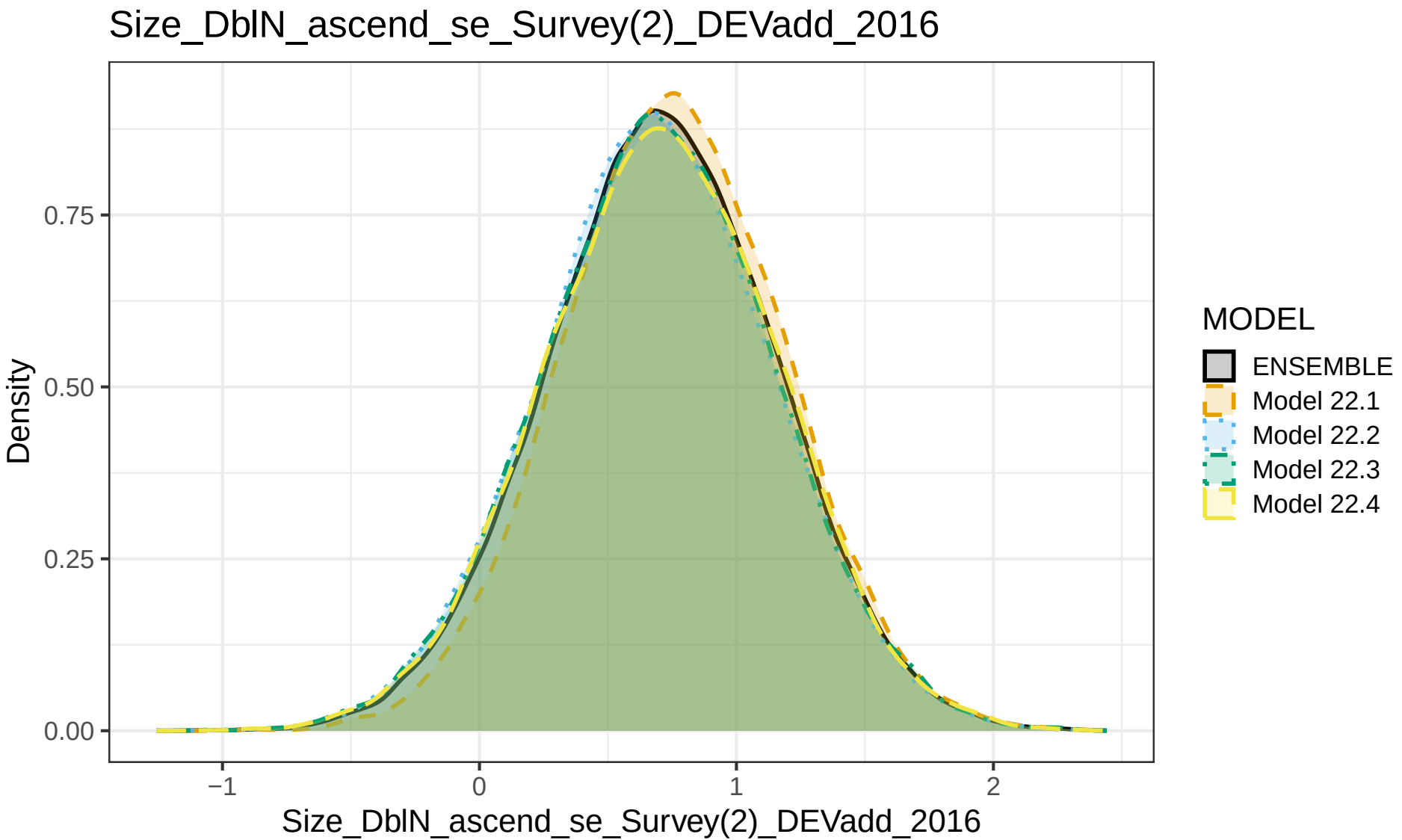

Size_DblN_ascend_se_Survey(2)_DEVadd_2011
1.25
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
Size_DblN_ascend_se_Survey(2)_DEVadd_2011
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

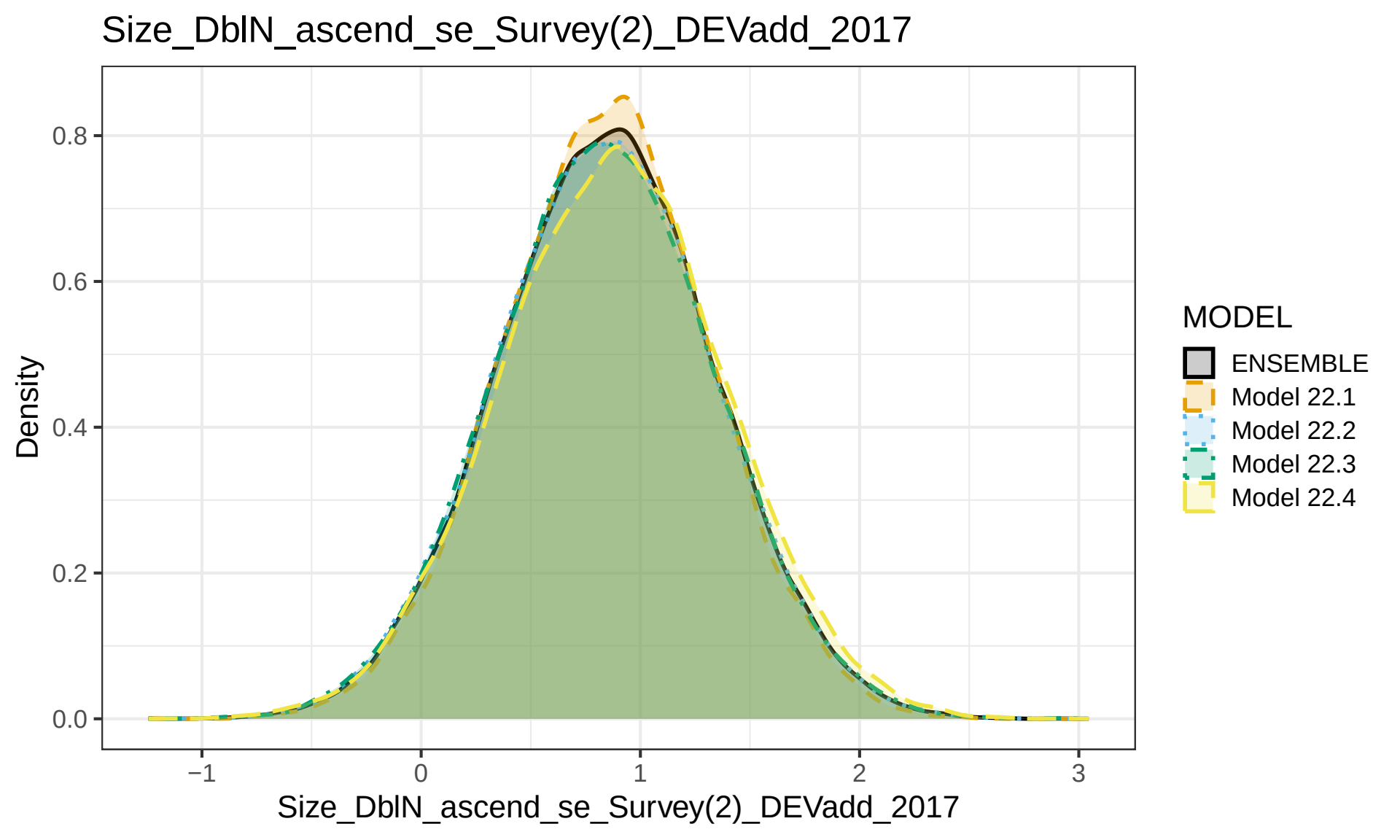

Size_DblN_ascend_se_Survey(2)_DEVadd_2012
Density
0.0
0.2
0.4
0.6
−4
−3
−2
−1
0
1
Size_DblN_ascend_se_Survey(2)_DEVadd_2012
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

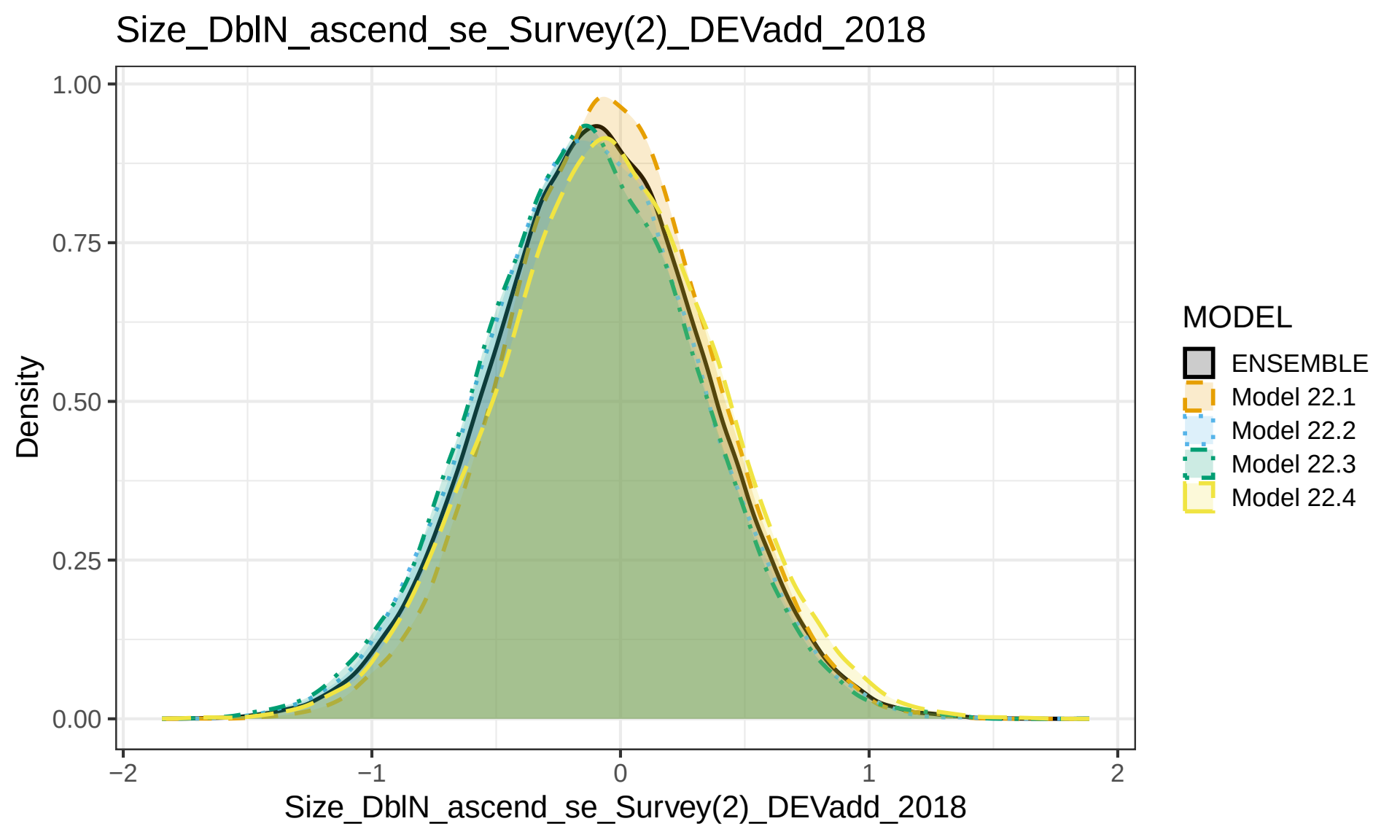

Size_DblN_ascend_se_Survey(2)_DEVadd_2013
Density
1.00
0.75
0.50
0.25
0.00
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2013
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

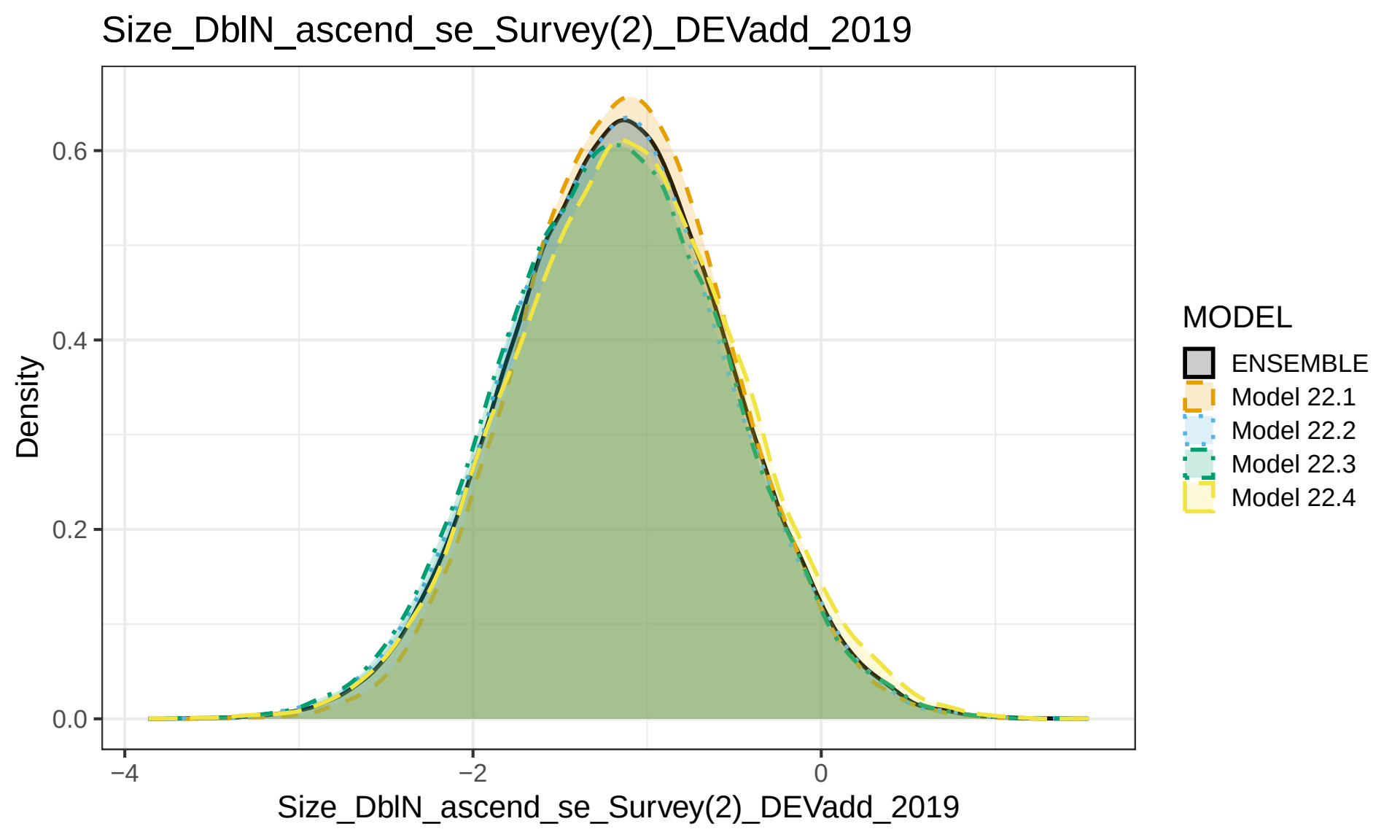

Size_DblN_ascend_se_Survey(2)_DEVadd_2014
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
Size_DblN_ascend_se_Survey(2)_DEVadd_2014
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

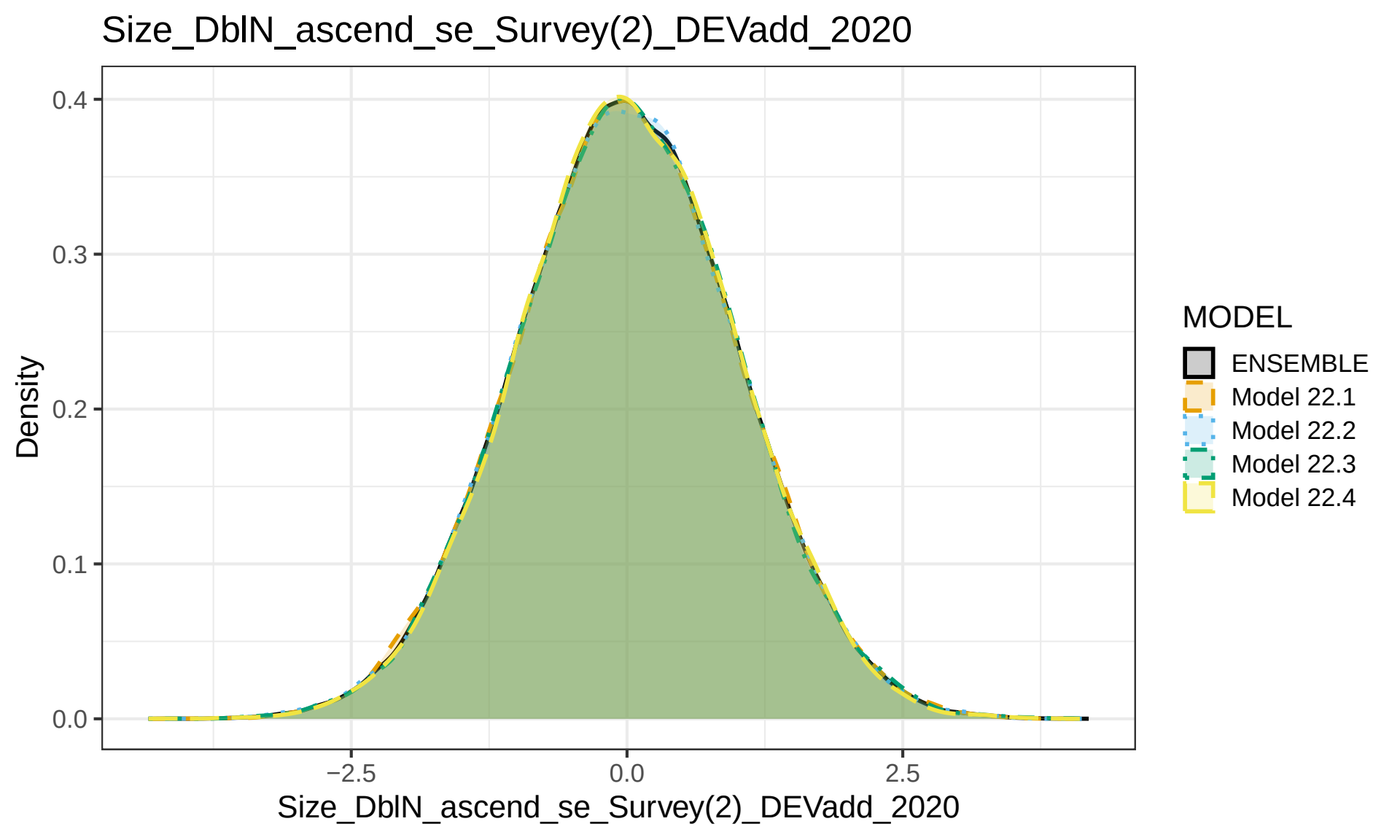

Size_DblN_ascend_se_Survey(2)_DEVadd_2015
Density
0.0
0.2
0.4
0.6
−2
−1
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_2015
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

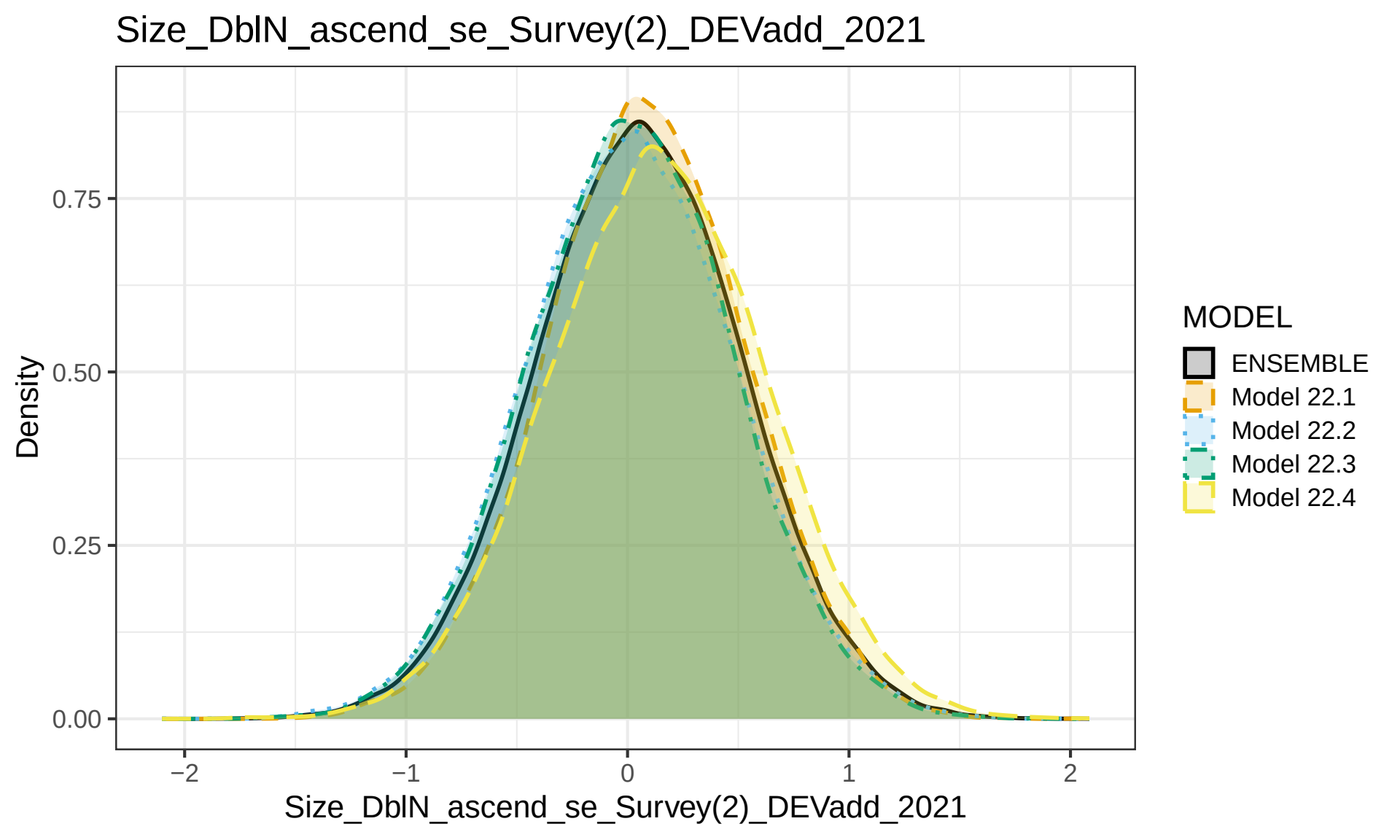

Size_DblN_ascend_se_Survey(2)_DEVadd_2016
Density
0.00
0.25
0.50
0.75
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2016
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

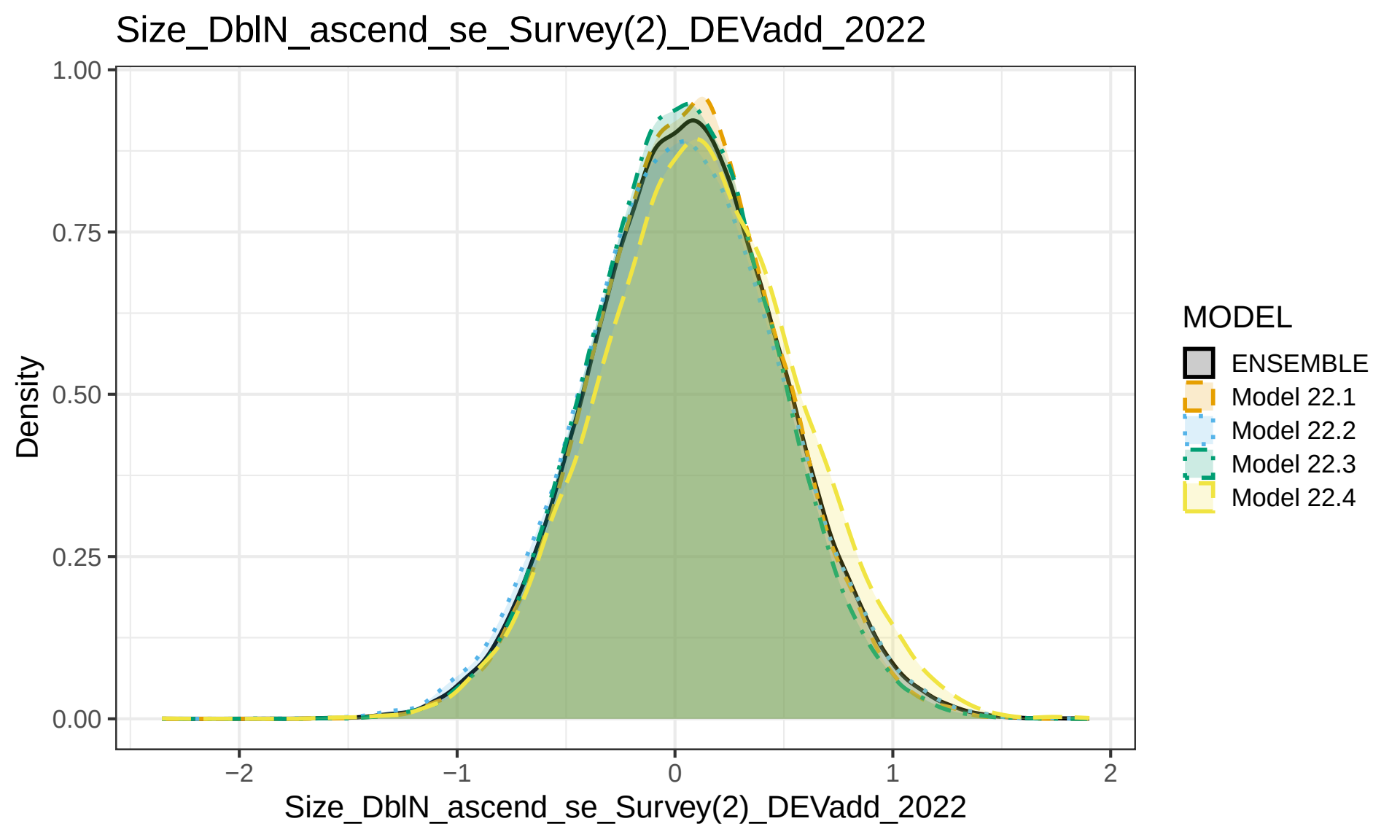

Size_DblN_ascend_se_Survey(2)_DEVadd_2017
Density
0.0
0.2
0.4
0.6
0.8
−1
0
1
2
3
Size_DblN_ascend_se_Survey(2)_DEVadd_2017
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4

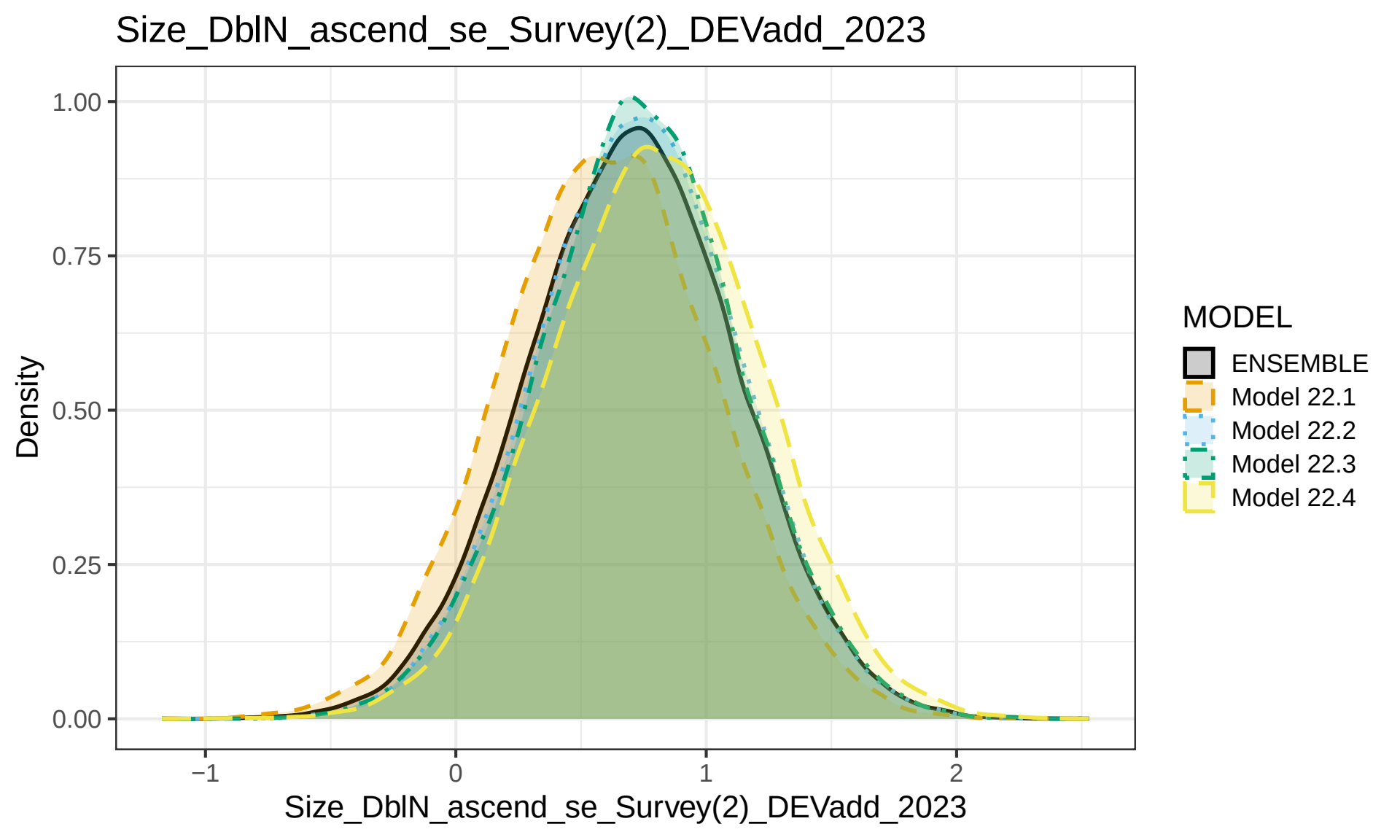

Size_DblN_ascend_se_Survey(2)_DEVadd_2018
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2018
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2019
Density
0.0
0.2
0.4
0.6
−4
−2
0
Size_DblN_ascend_se_Survey(2)_DEVadd_2019
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2020
Density
0.4
0.3
0.2
0.1
0.0
−2.5
0.0
2.5
Size_DblN_ascend_se_Survey(2)_DEVadd_2020
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2021
Density
0.00
0.25
0.50
0.75
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2021
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2022
1.00
0.75
0.50
0.25
0.00
Density
−2
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2022
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4


Size_DblN_ascend_se_Survey(2)_DEVadd_2023
1.00
0.75
0.50
0.25
0.00
Density
−1
0
1
2
Size_DblN_ascend_se_Survey(2)_DEVadd_2023
MODEL
ENSEMBLE
Model 22.1
Model 22.2
Model 22.3
Model 22.4