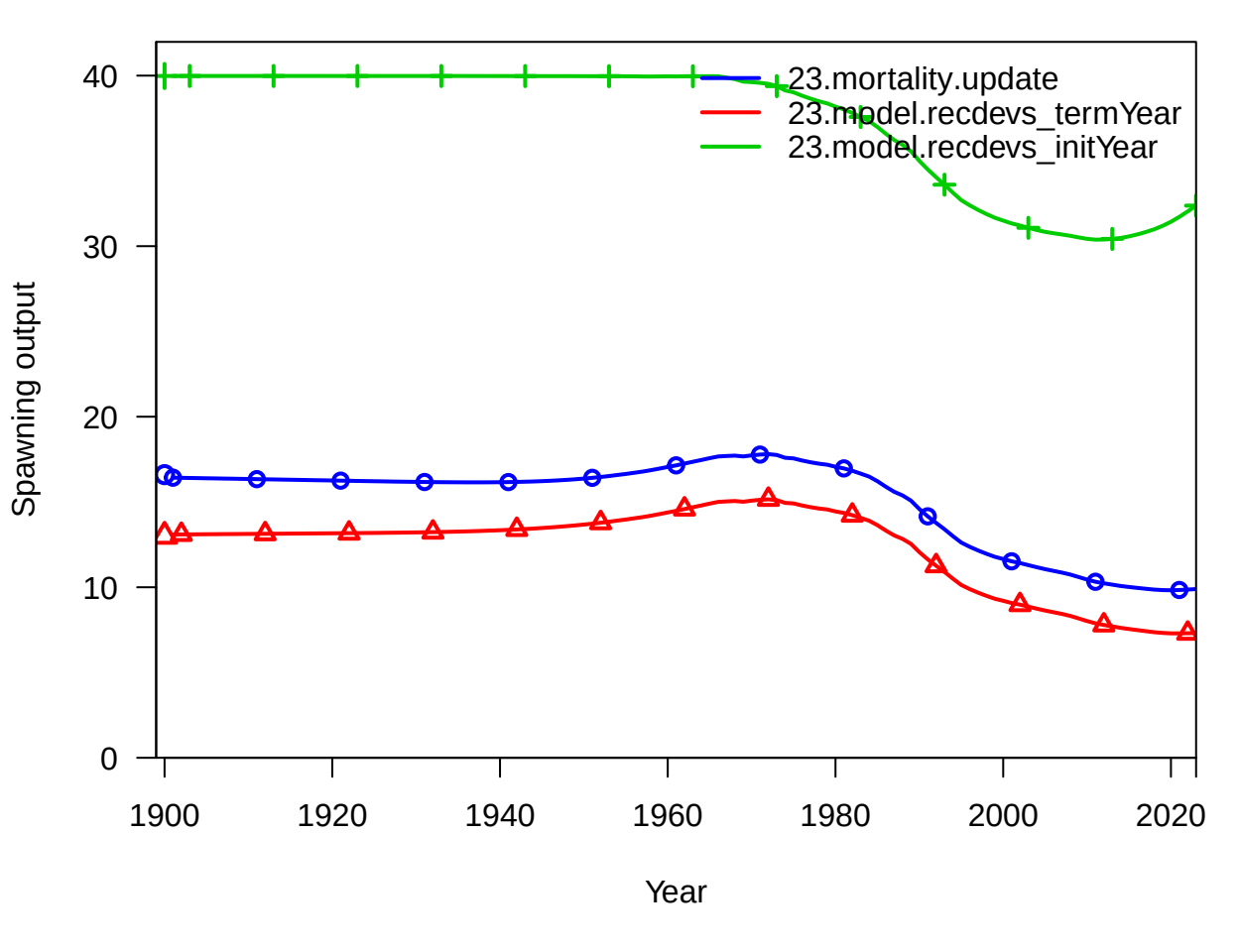
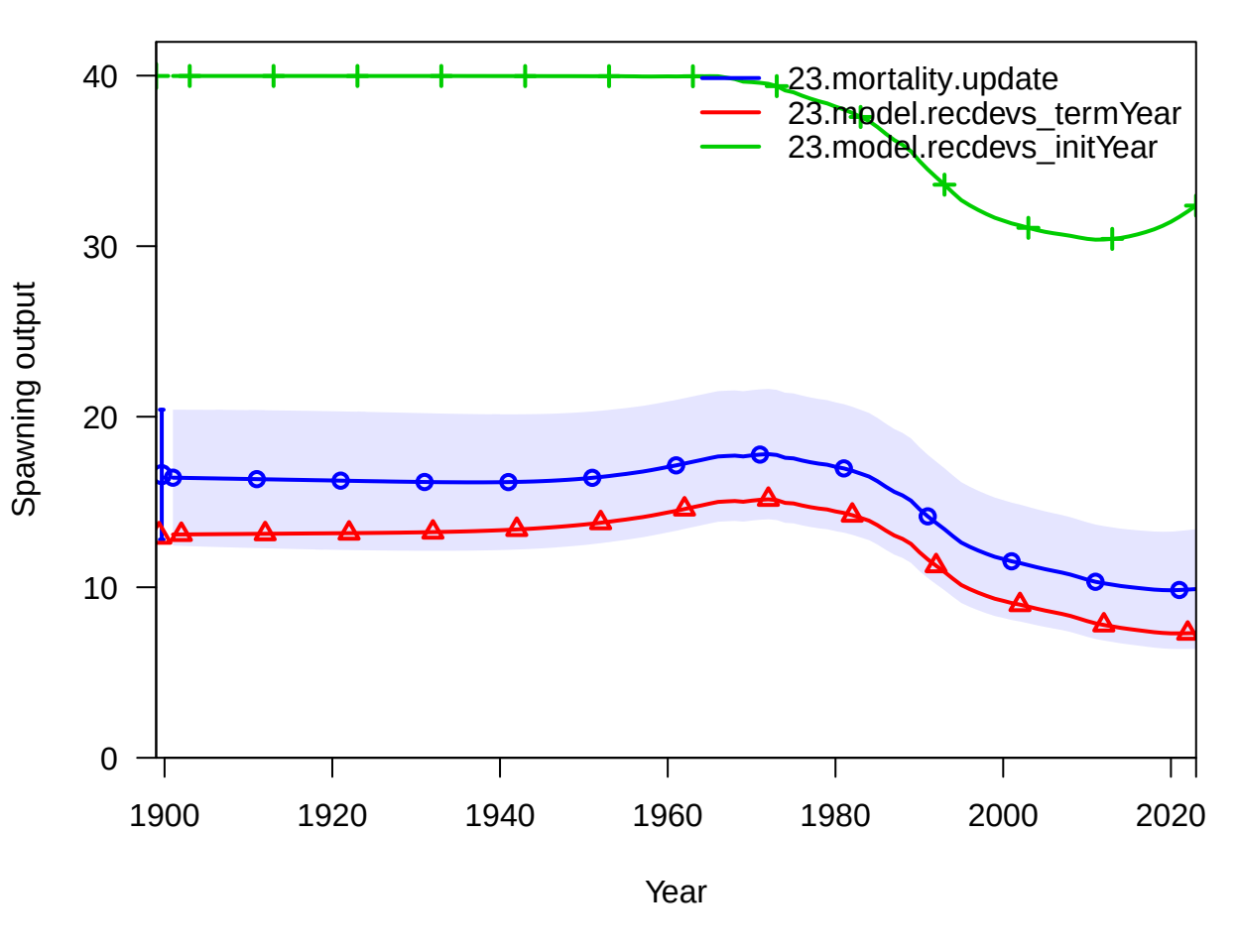
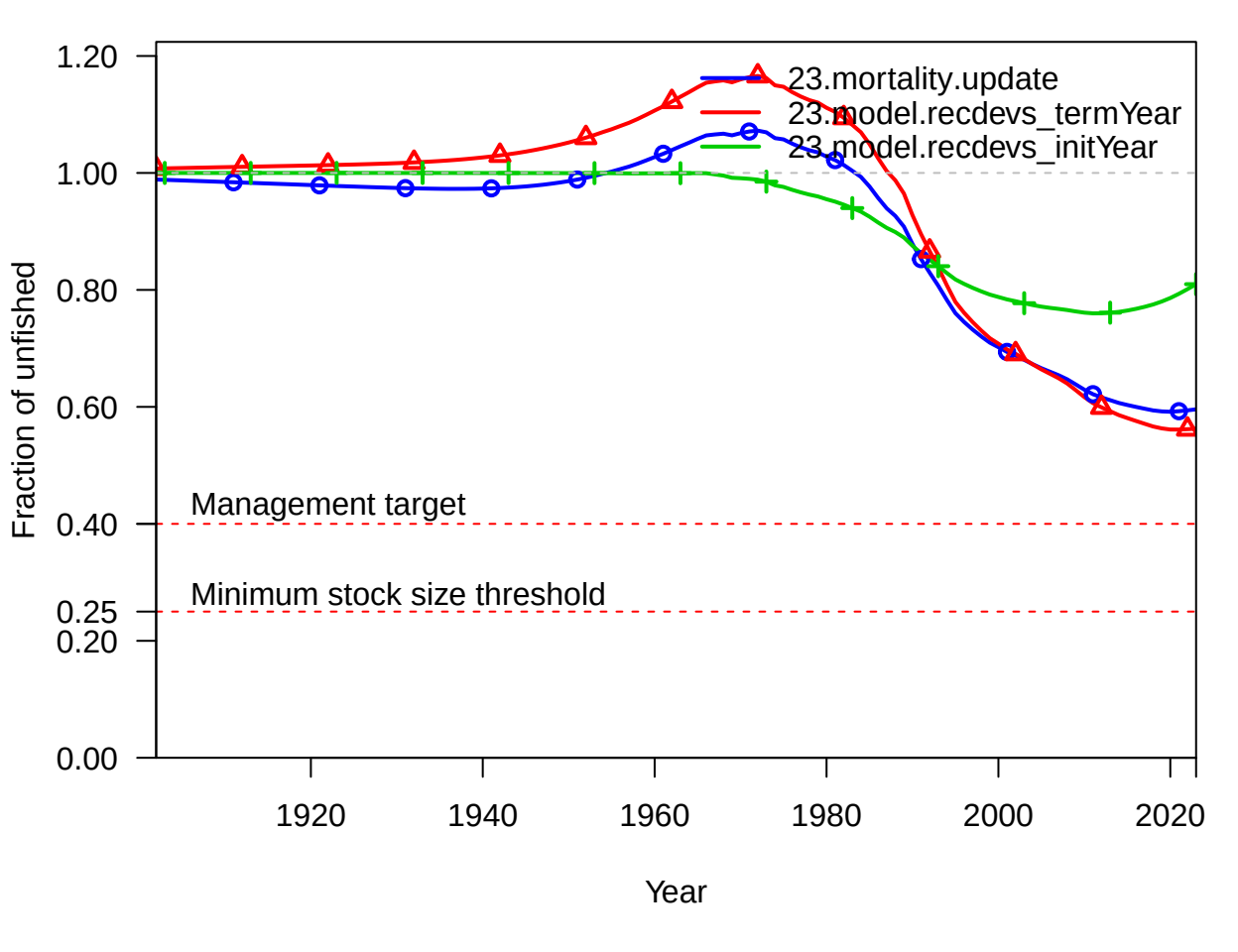
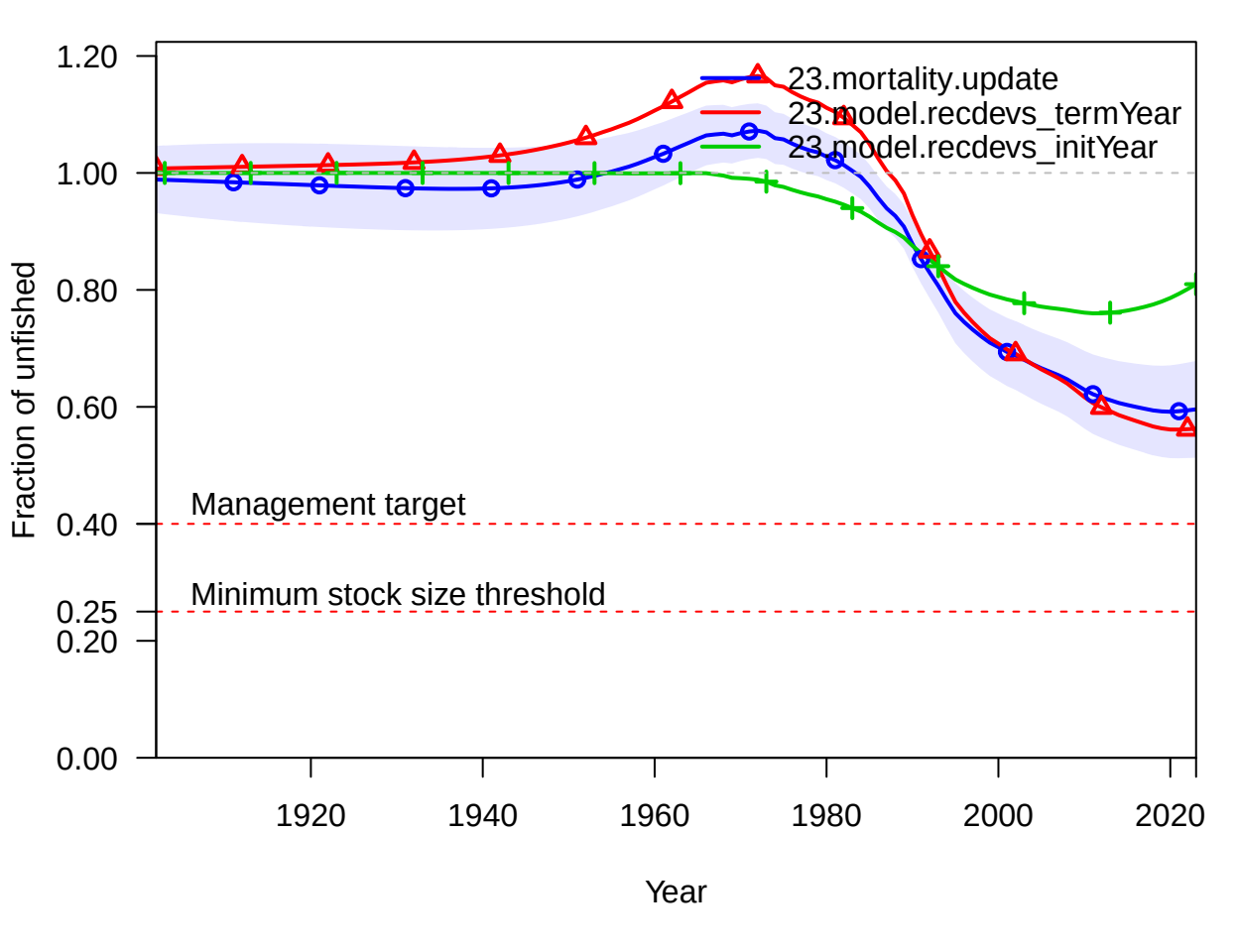
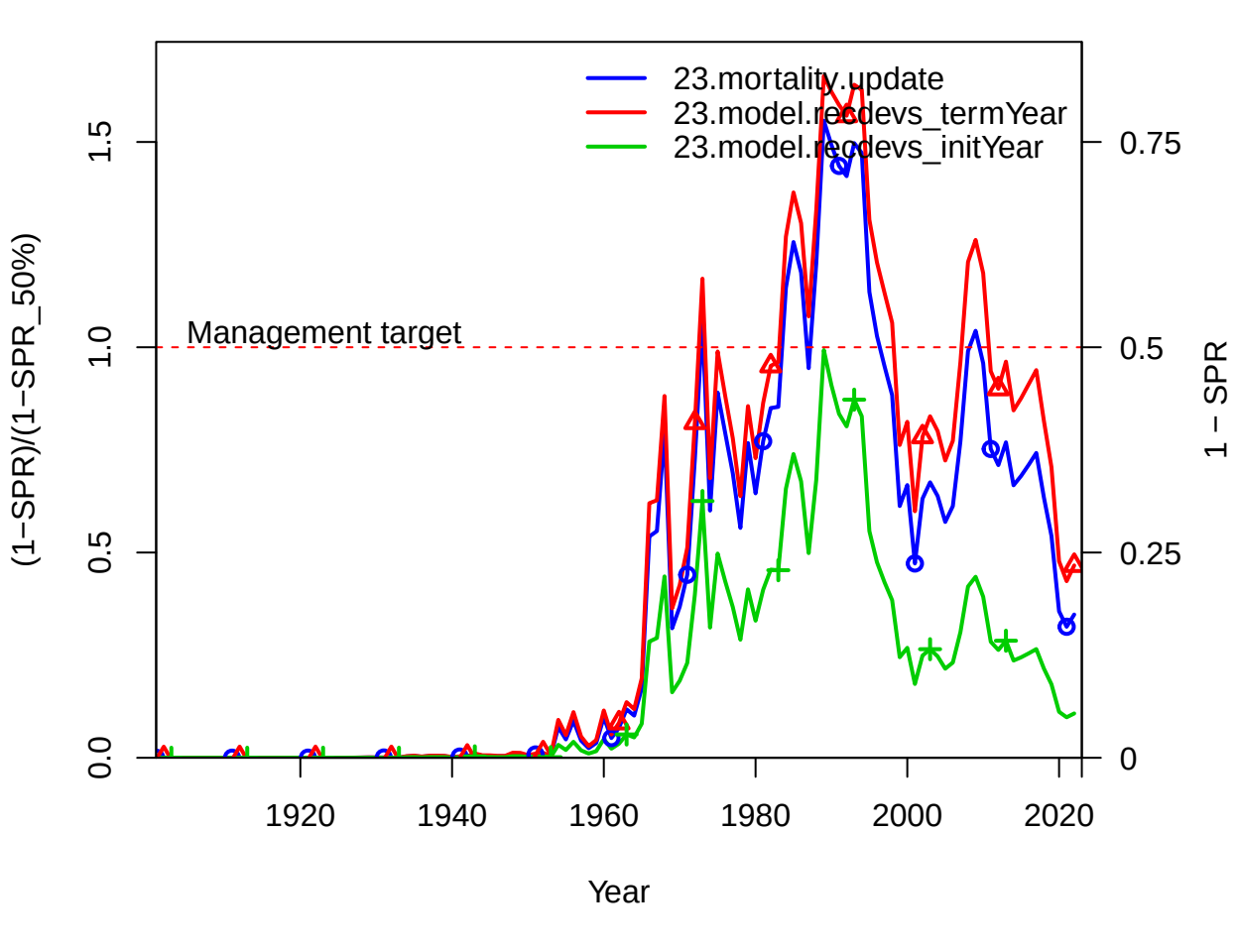
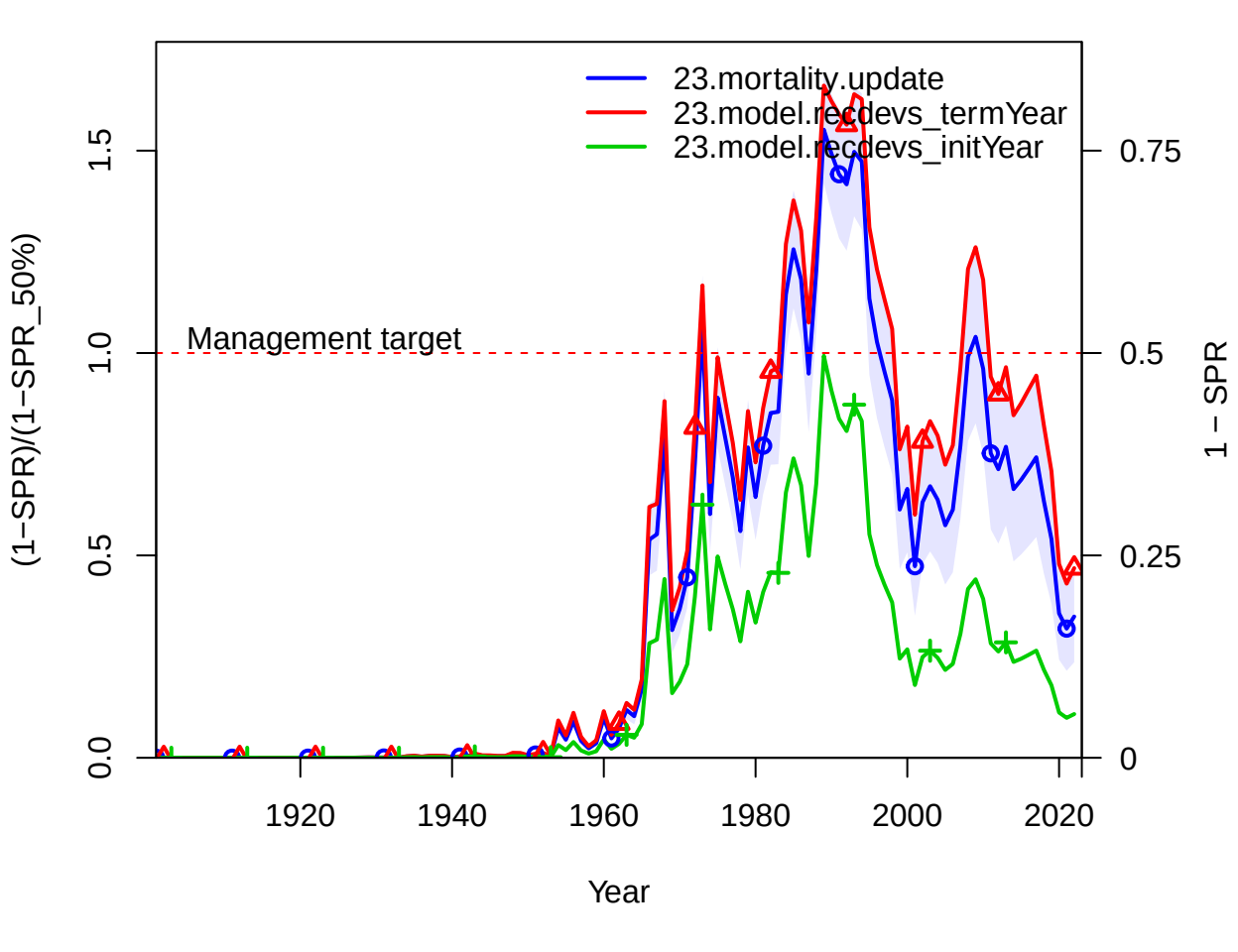

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Spawning output
Year
0
10
20
30
40
1900
1920
1940
1960
1980
2000
2020

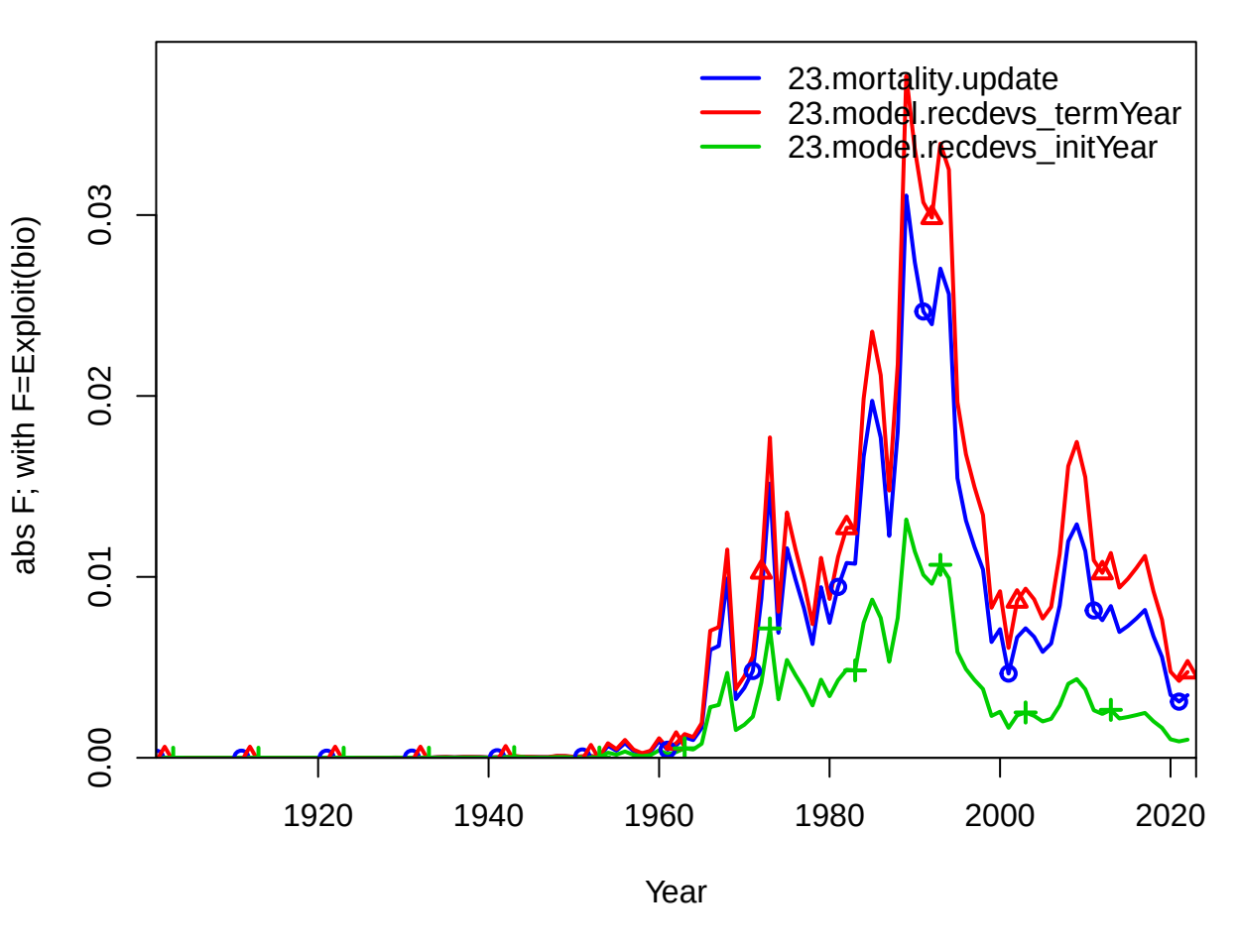

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Spawning output
Year
0
10
20
30
40
1900
1920
1940
1960
1980
2000
2020

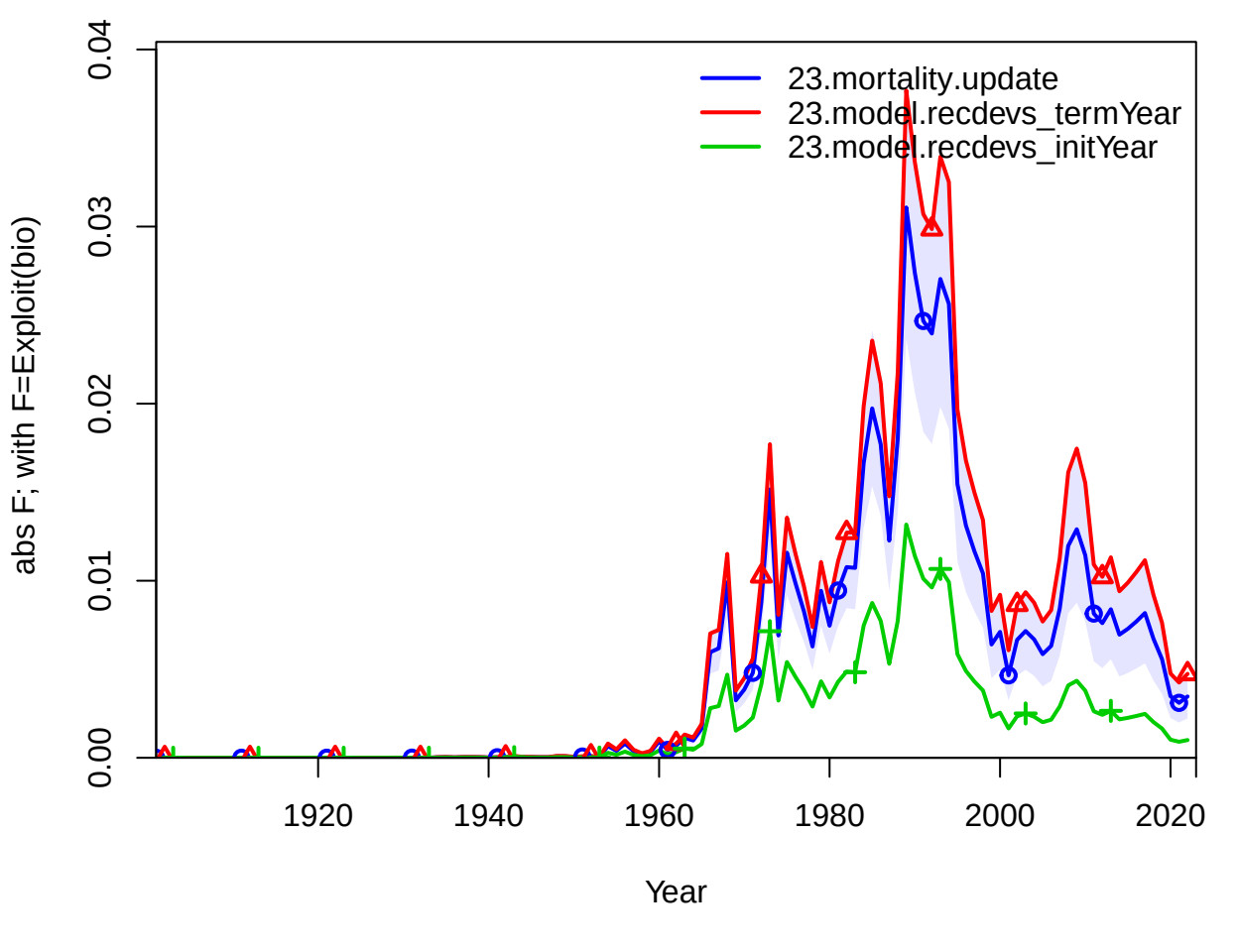

1.20
1.00
0.80
0.60
0.40
0.25
0.20
0.00
Fraction of unfished
23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Management target
Minimum stock size threshold
1920
1940
1960
1980
2000
2020
Year

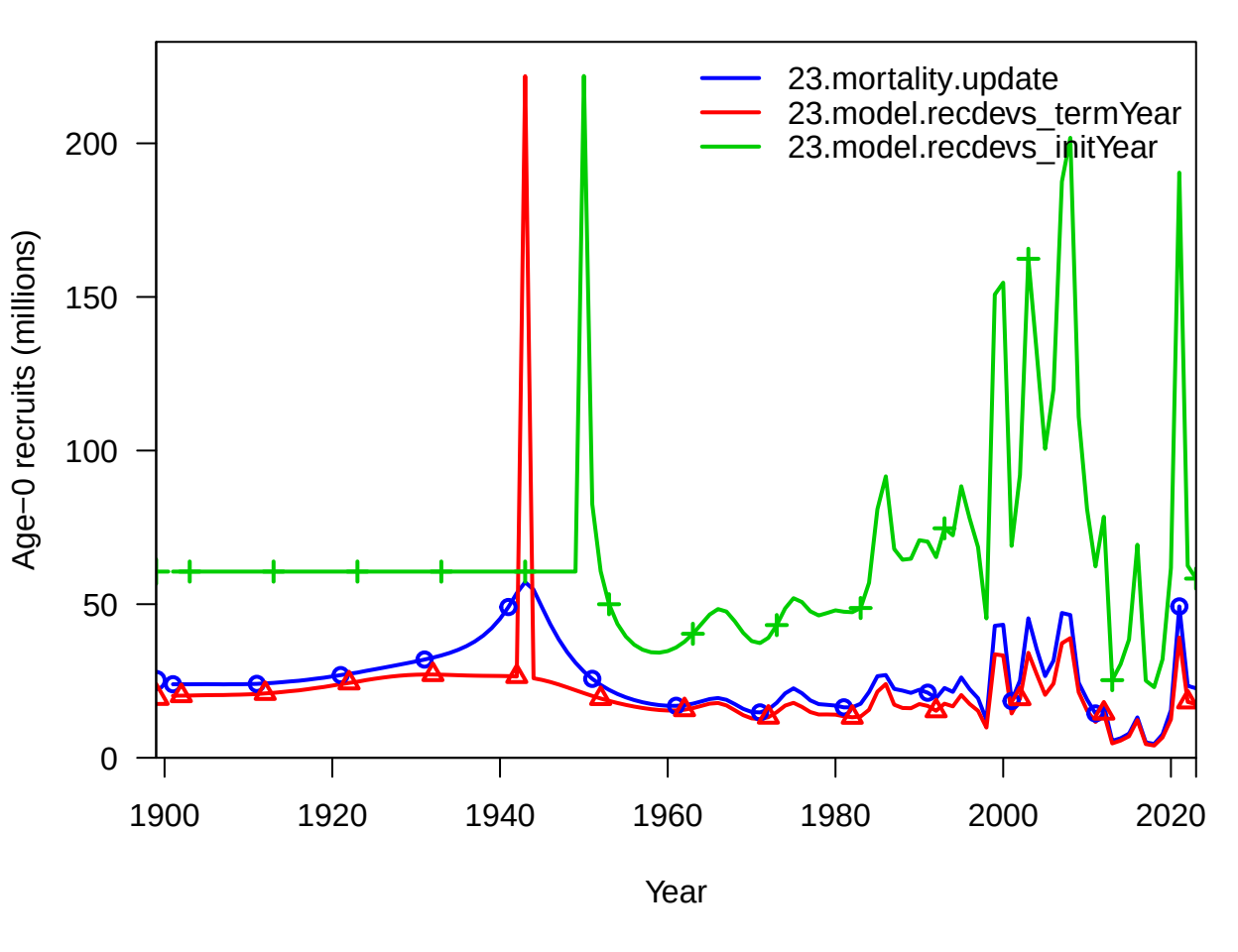

1.20
1.00
0.80
0.60
0.40
0.25
0.20
0.00
Fraction of unfished
23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Management target
Minimum stock size threshold
1920
1940
1960
1980
2000
2020
Year

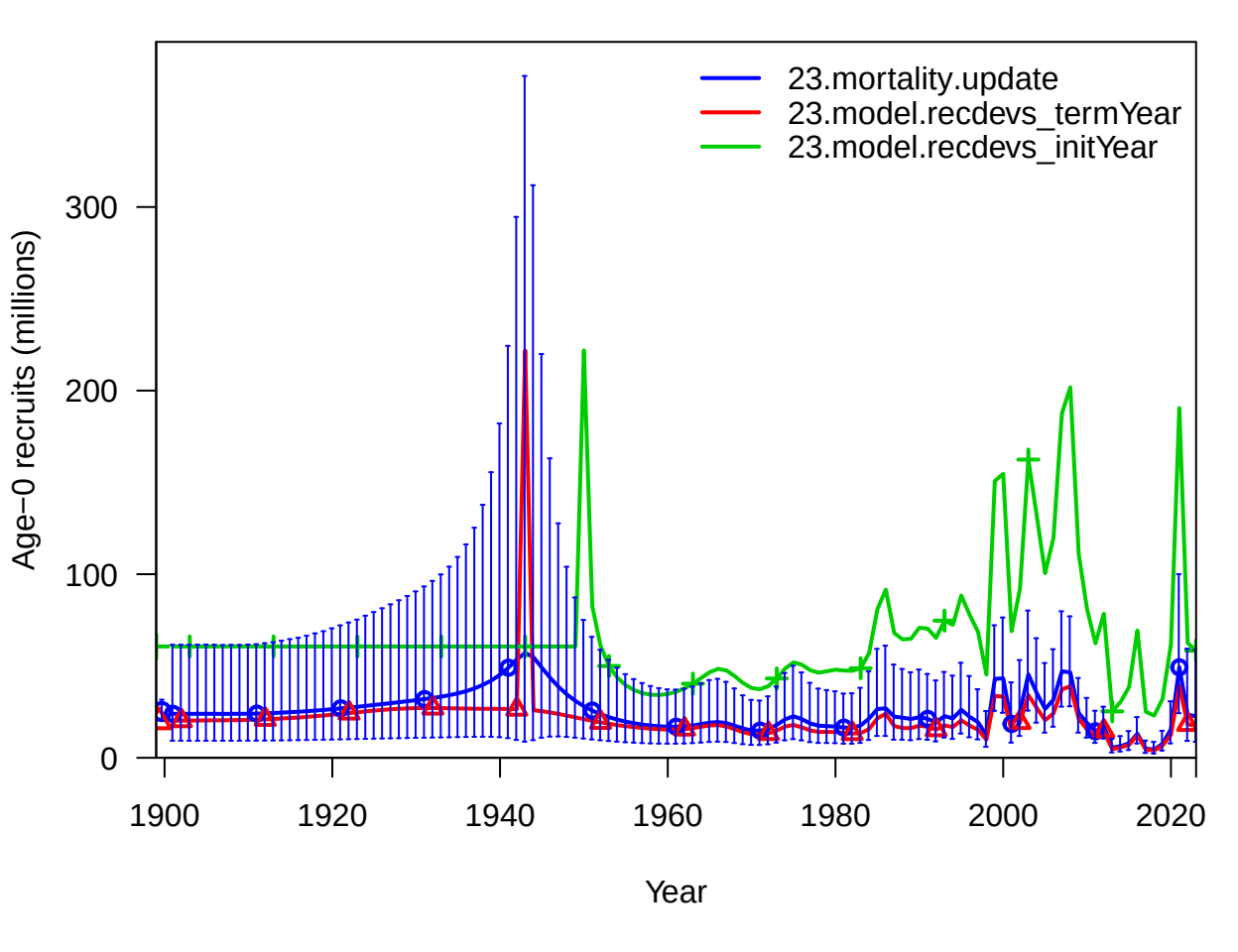

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Management target
(1−SPR)/(1−SPR_50%)
1 − SPR
Year
0.0
0.5
1.0
1.5
0
0.25
0.5
0.75
1920
1940
1960
1980
2000
2020

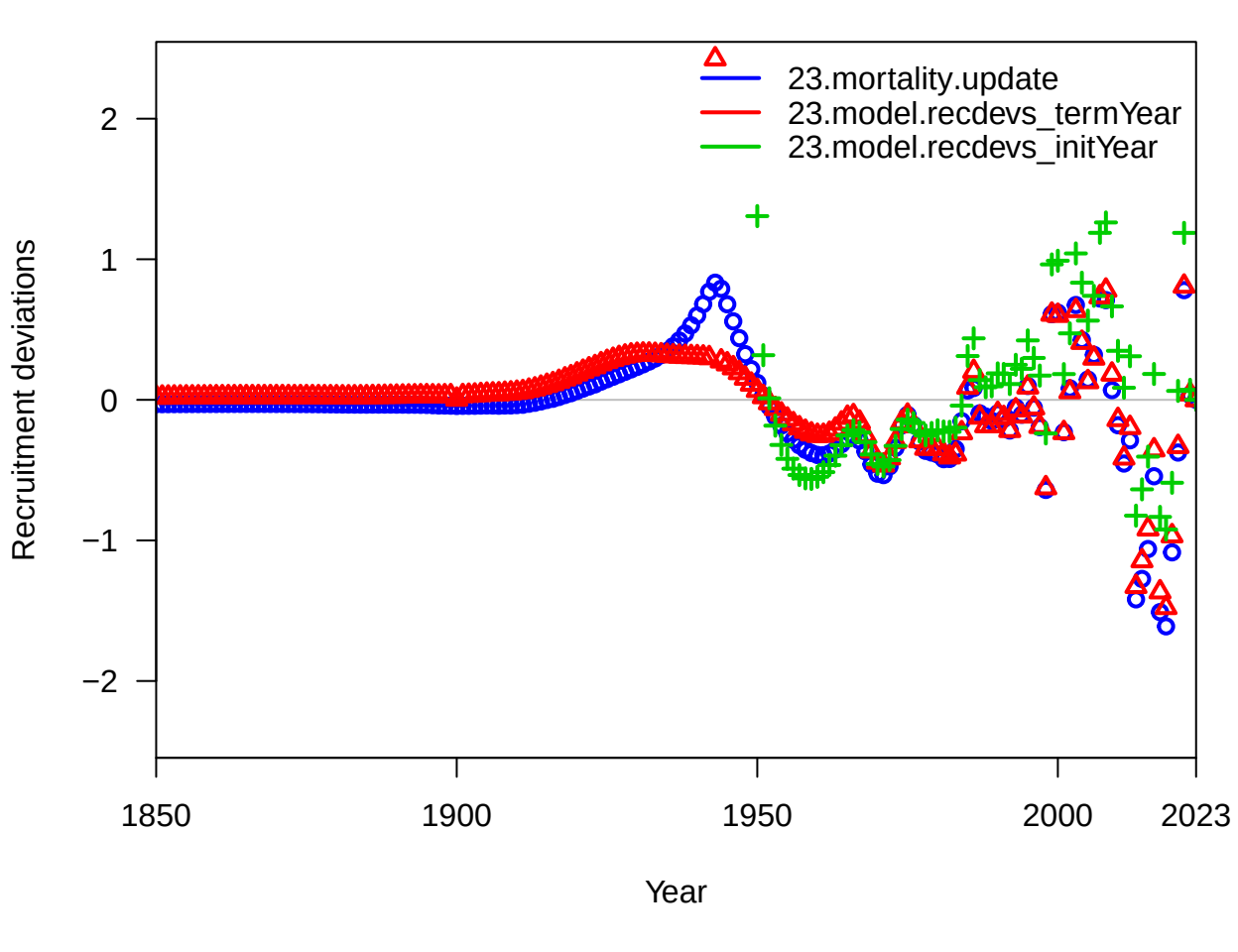

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Management target
(1−SPR)/(1−SPR_50%)
1 − SPR
Year
0.0
0.5
1.0
1.5
0
0.25
0.5
0.75
1920
1940
1960
1980
2000
2020

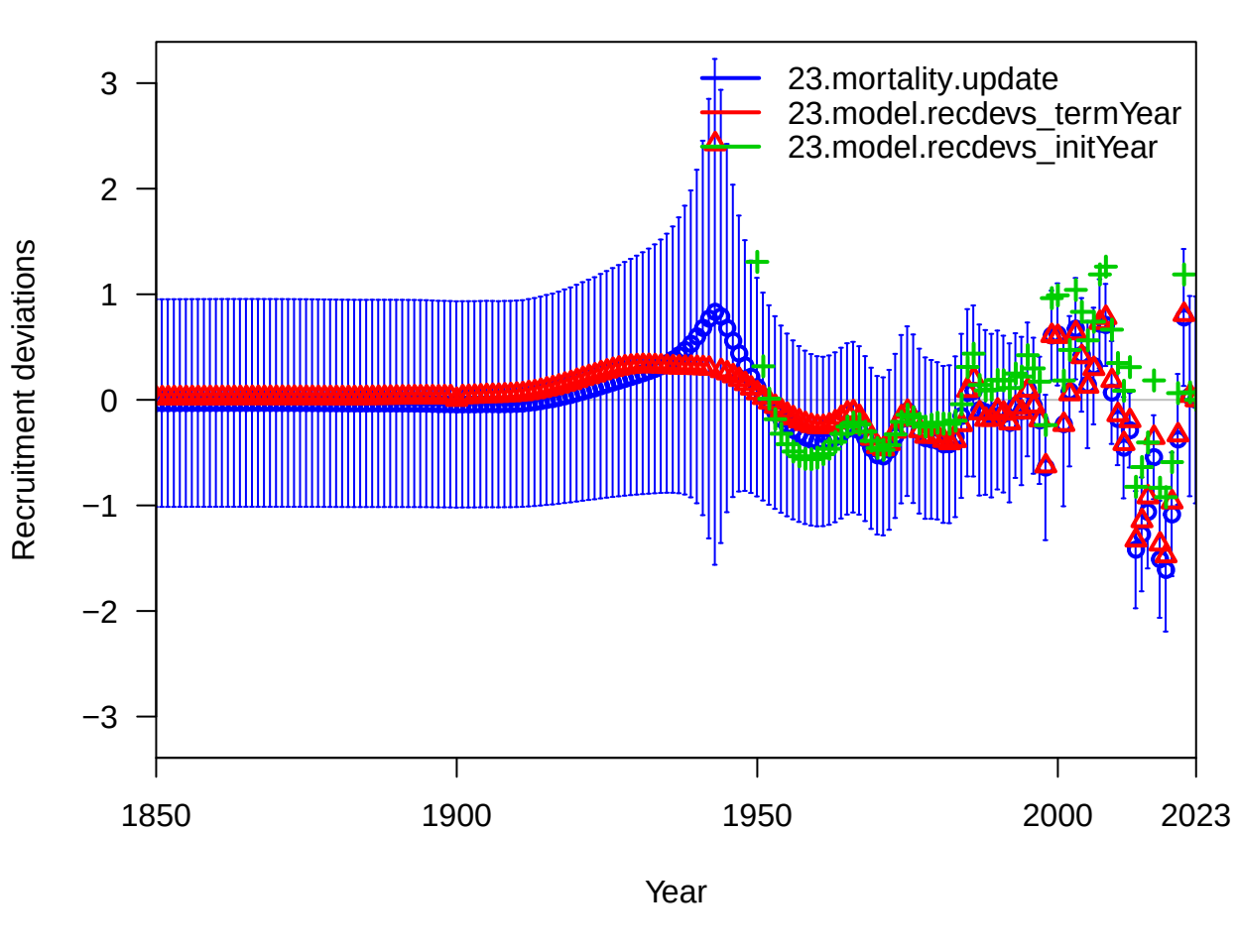

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
abs F; with F=Exploit(bio)
0.00
0.01
0.02
0.03
1920
1940
1960
1980
2000
2020
Year

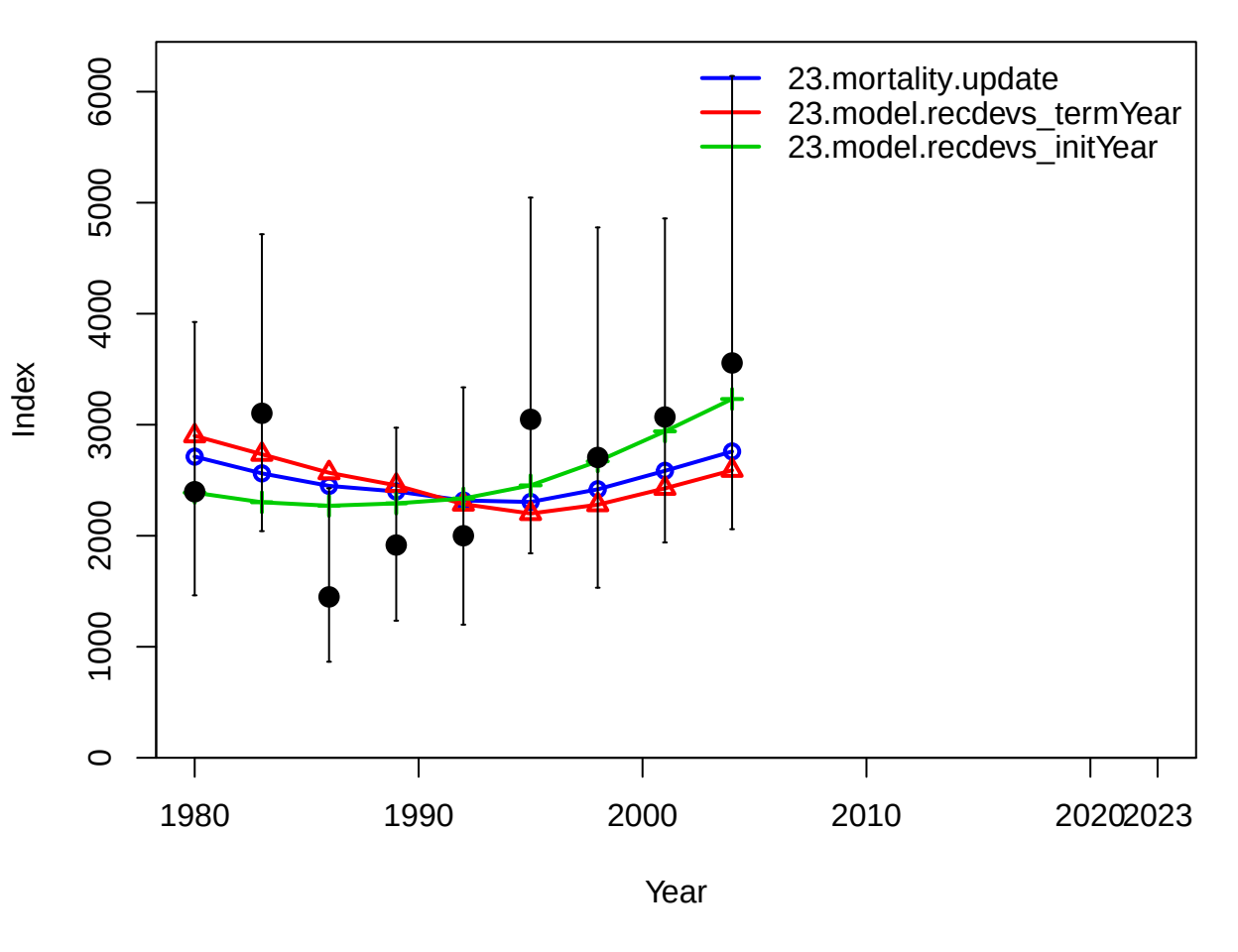

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
abs F; with F=Exploit(bio)
0.00
0.01
0.02
0.03
0.04
1920
1940
1960
1980
2000
2020
Year

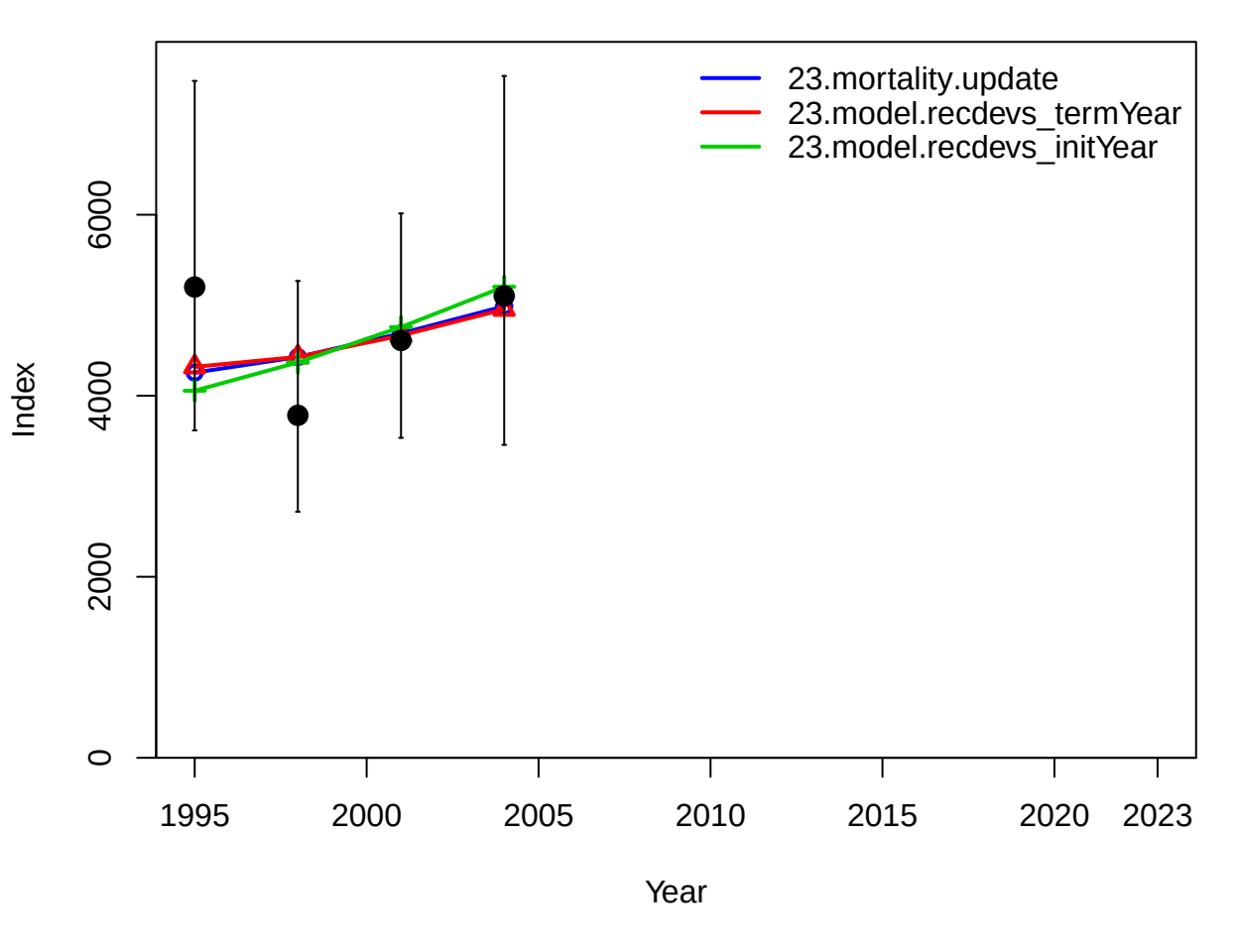

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Age−0 recruits (millions)
0
50
100
150
200
1900
1920
1940
1960
1980
2000
2020
Year

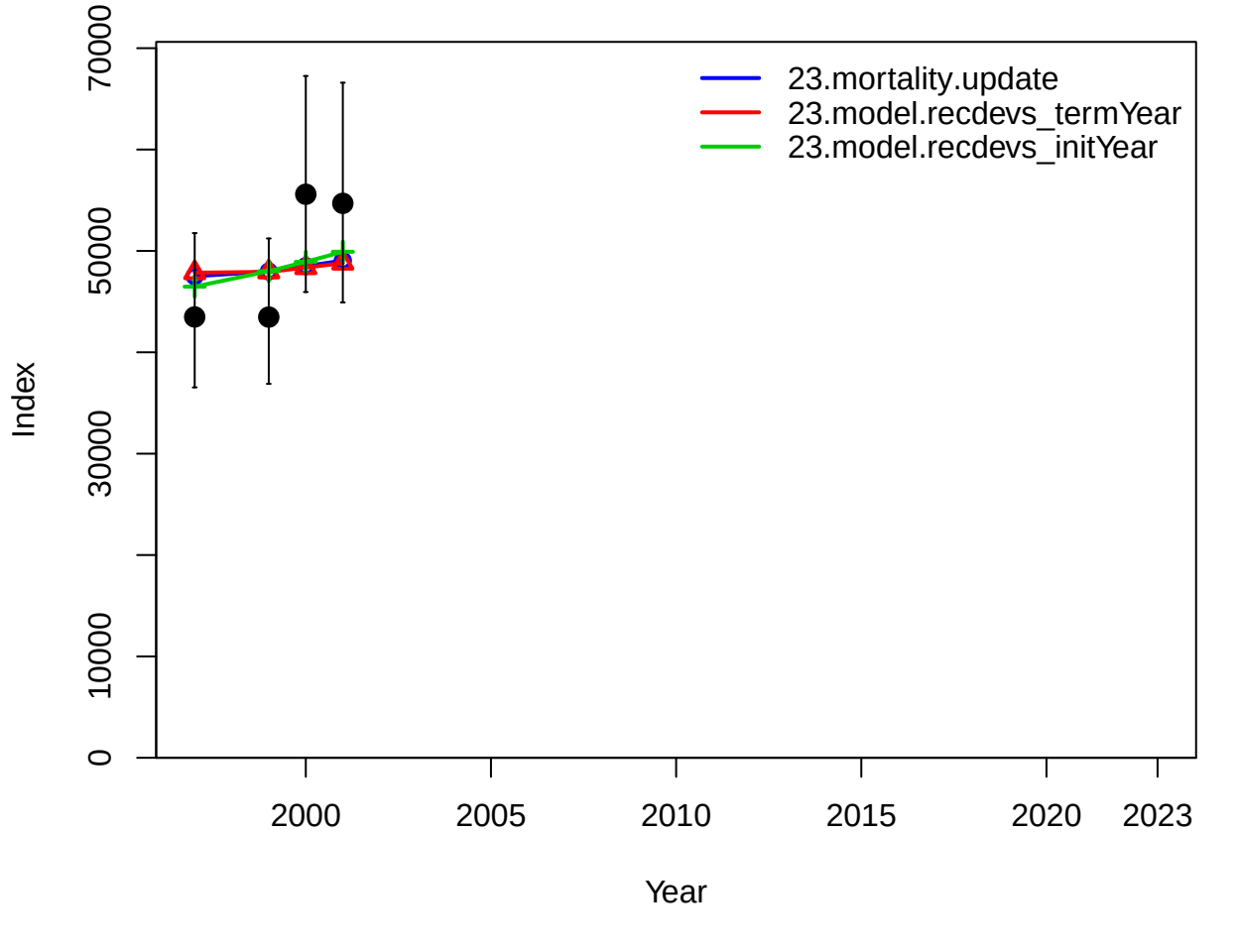

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Age−0 recruits (millions)
0
100
200
300
1900
1920
1940
1960
1980
2000
2020
Year

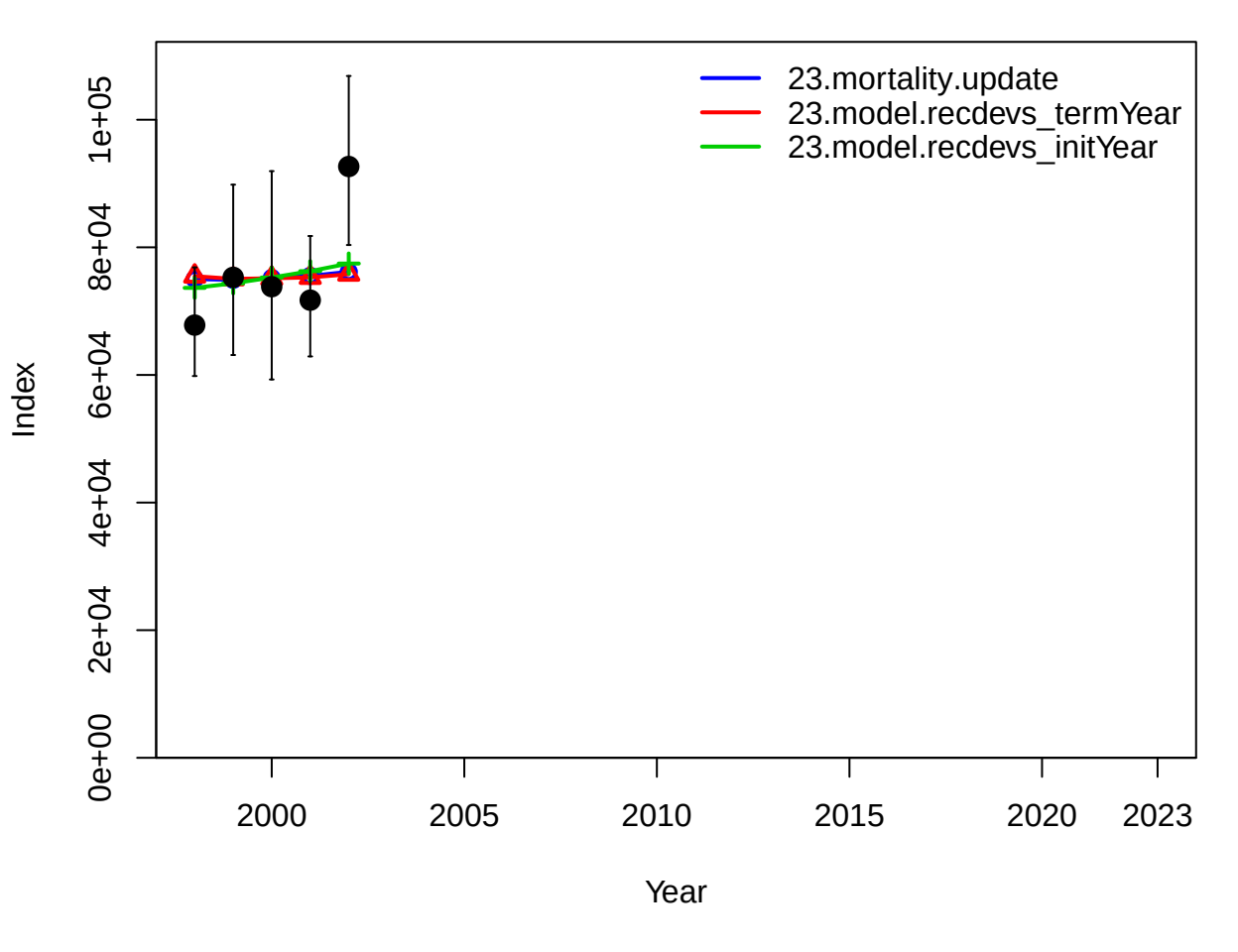

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Recruitment deviations
2
1
0
−1
−2
1850
1900
1950
2000
2023
Year

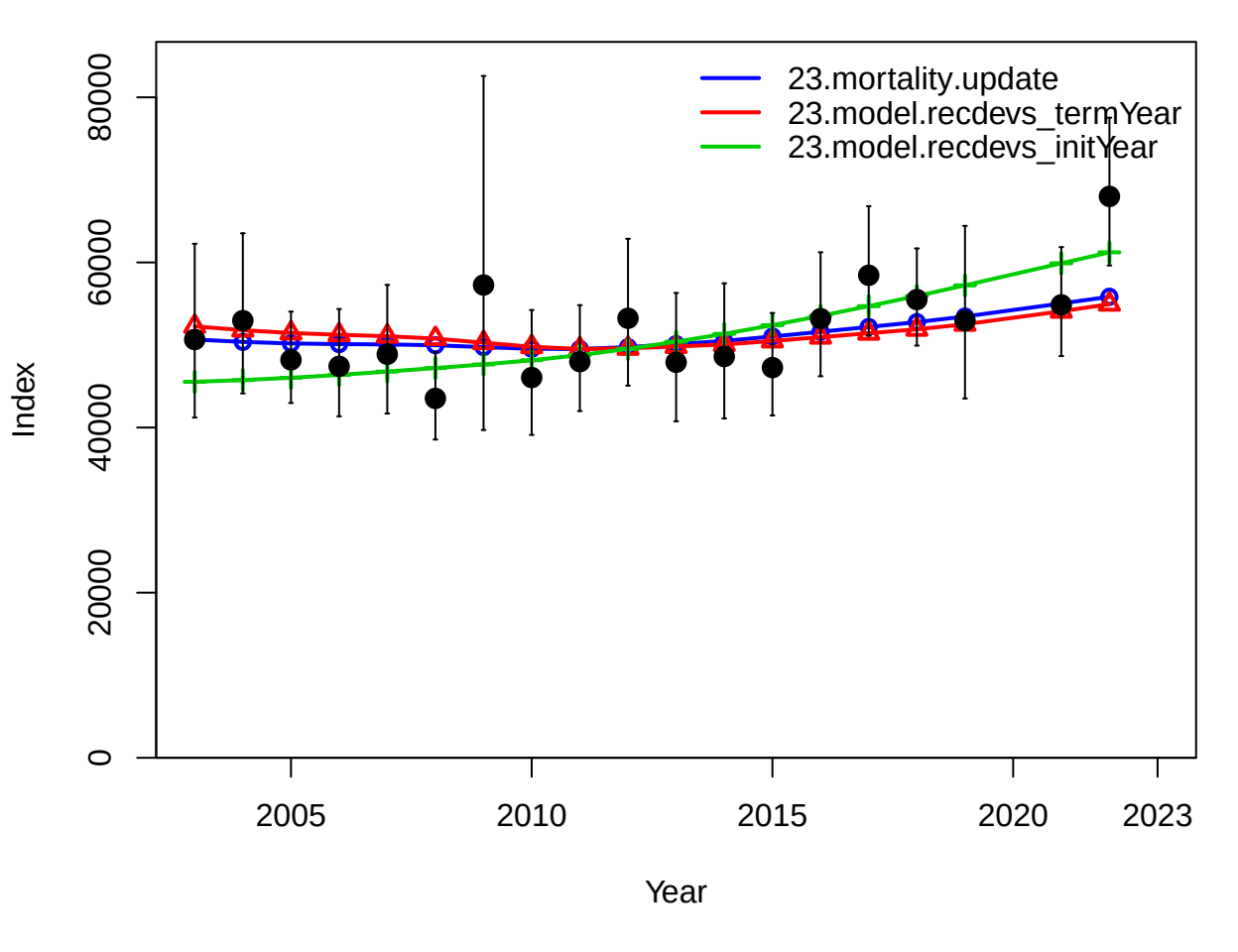

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Recruitment deviations
3
2
1
0
−1
−2
−3
1850
1900
1950
2000
2023
Year

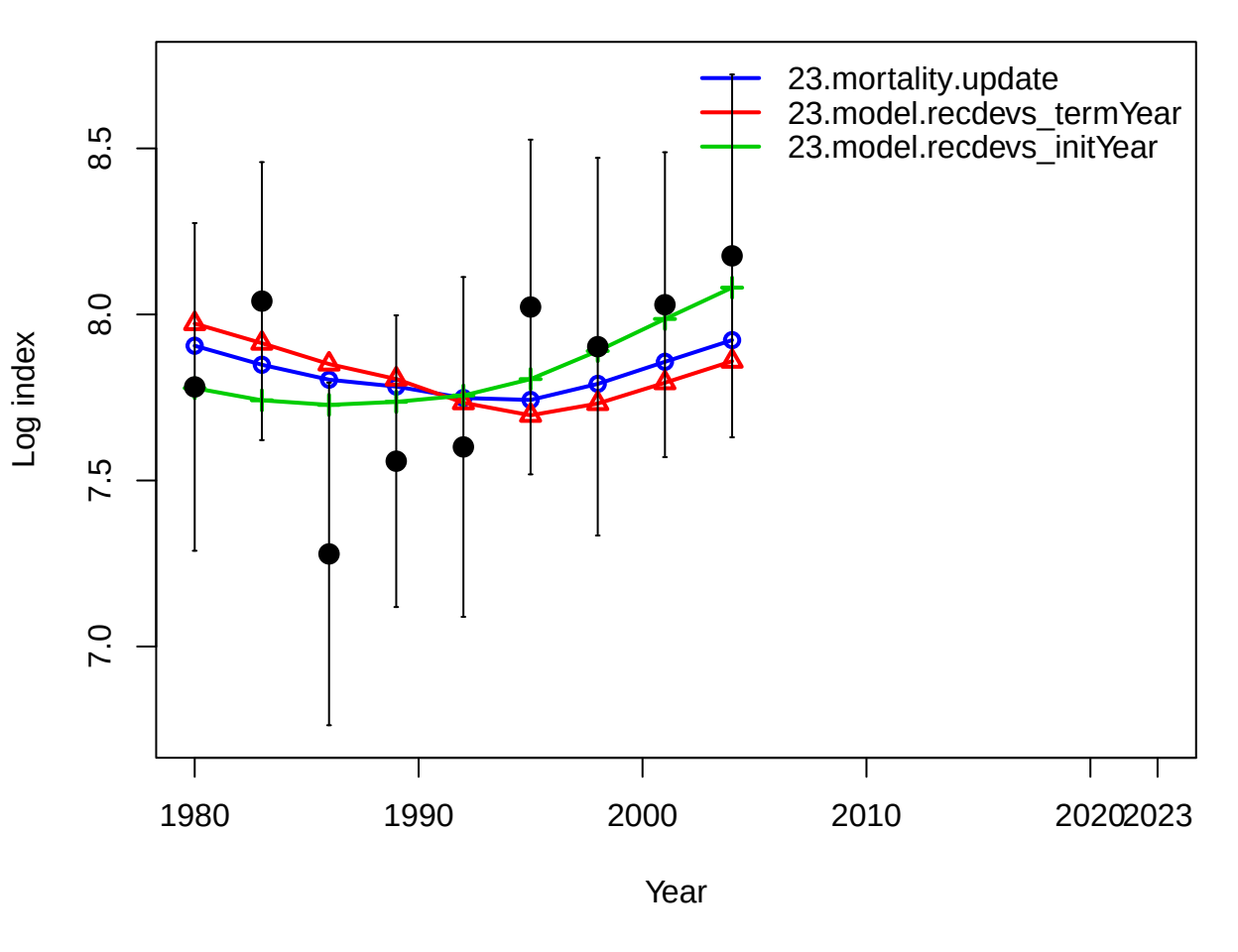

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Index
0
1000
2000
3000
4000
5000
6000
1980
1990
2000
2010
2020
2023
Year

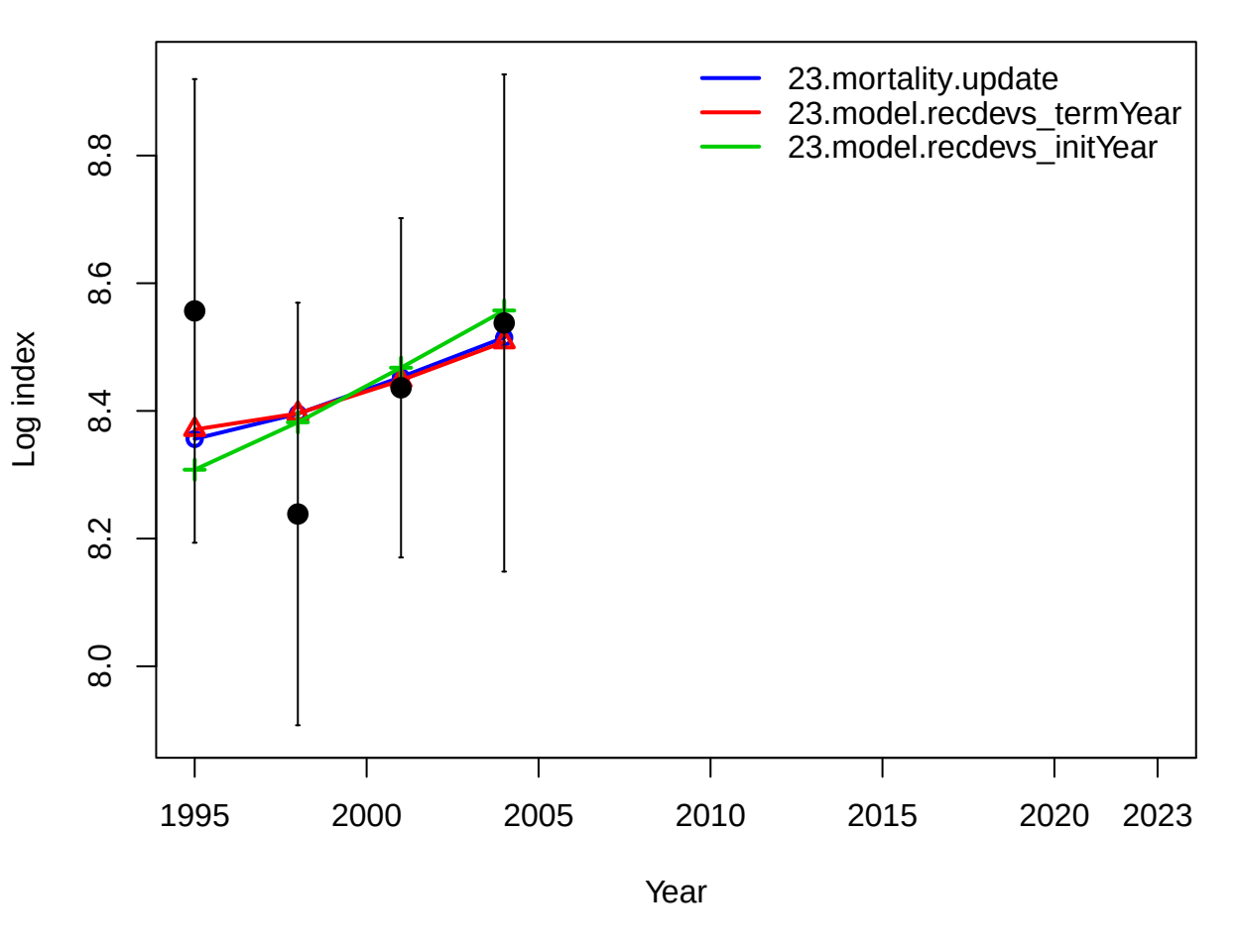

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Index
0
2000
4000
6000
1995
2000
2005
2010
2015
2020
2023
Year

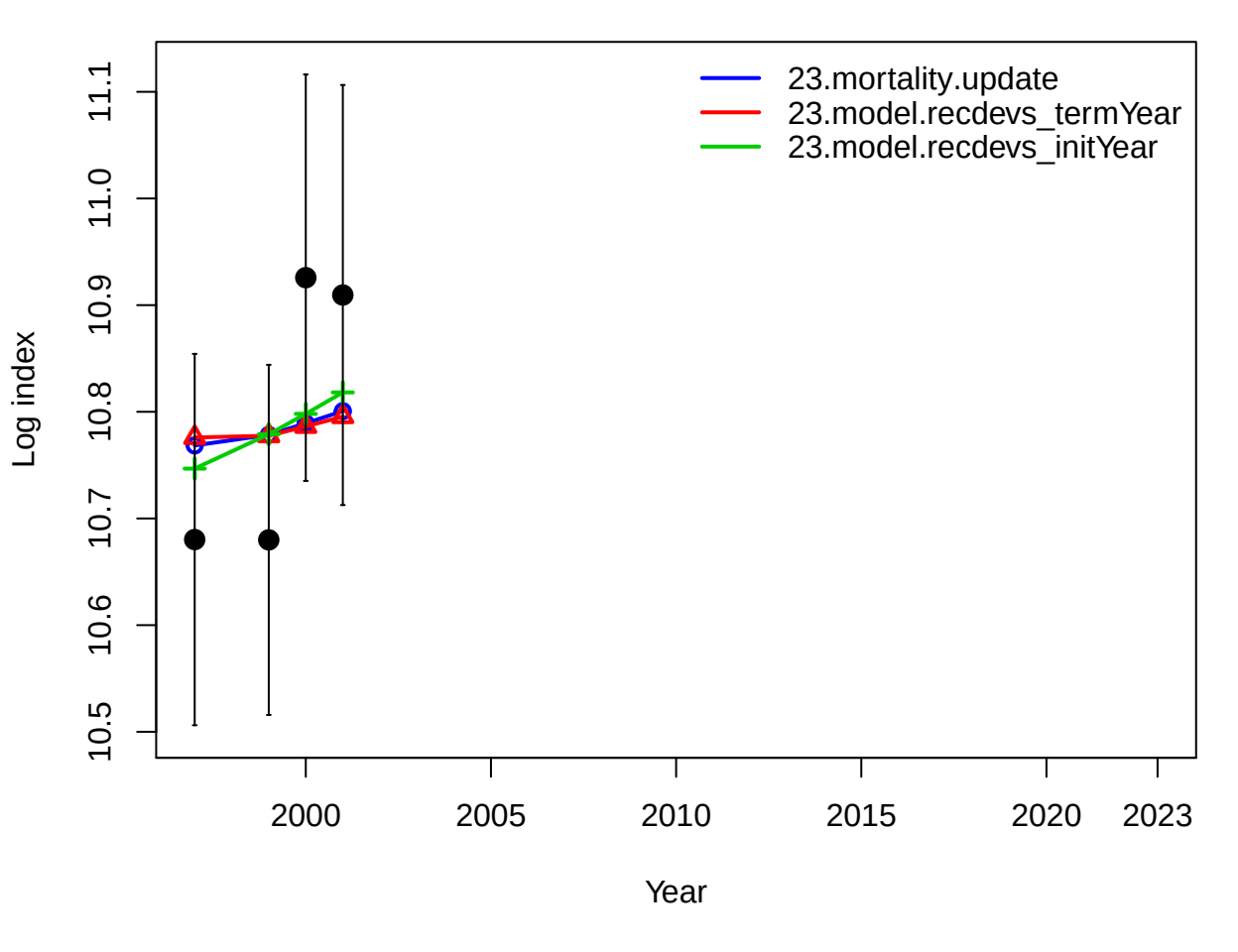

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Index
0
10000
30000
50000
70000
2000
2005
2010
2015
2020
2023
Year

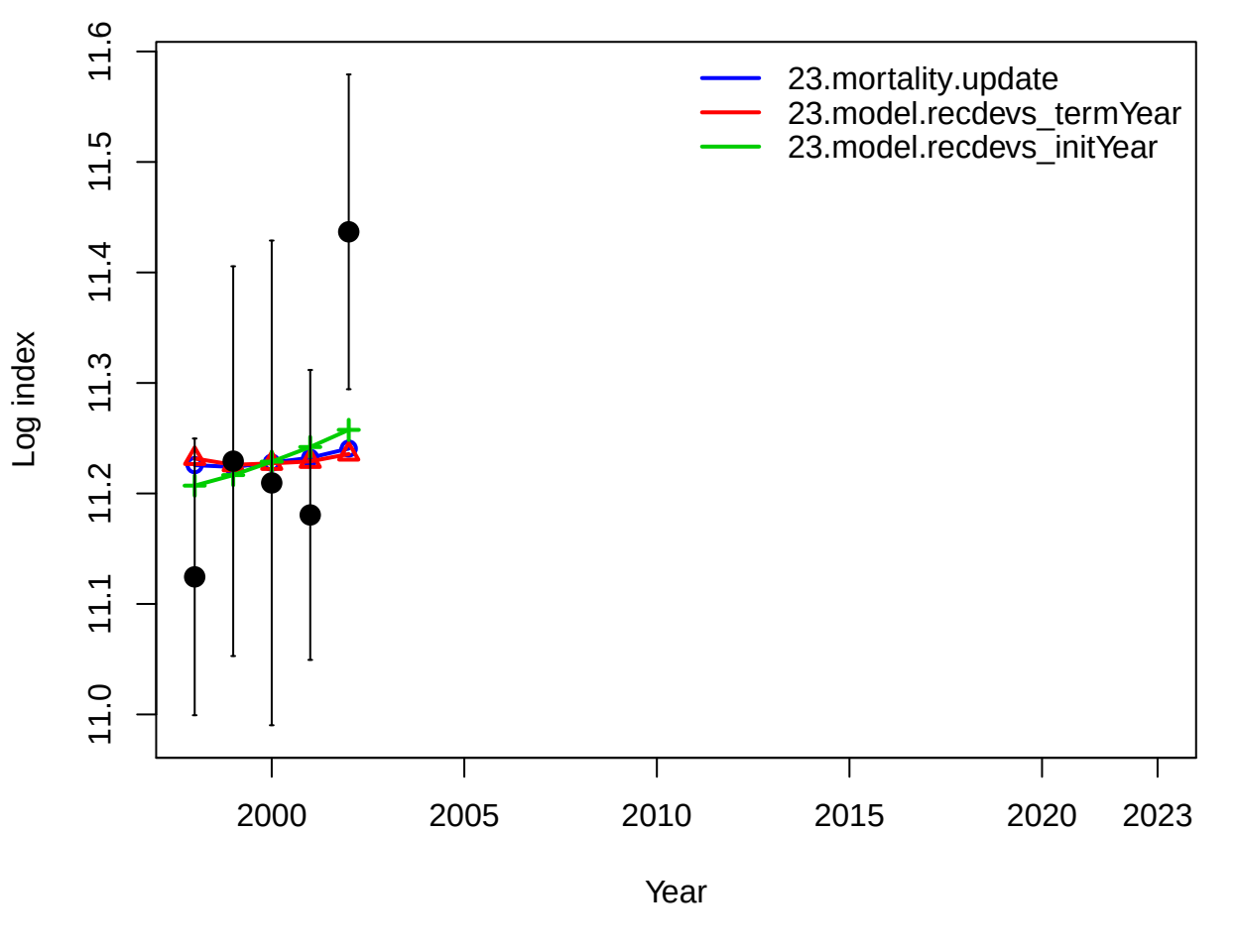

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Index
0e+00
2e+04
4e+04
6e+04
8e+04
1e+05
2000
2005
2010
2015
2020
2023
Year

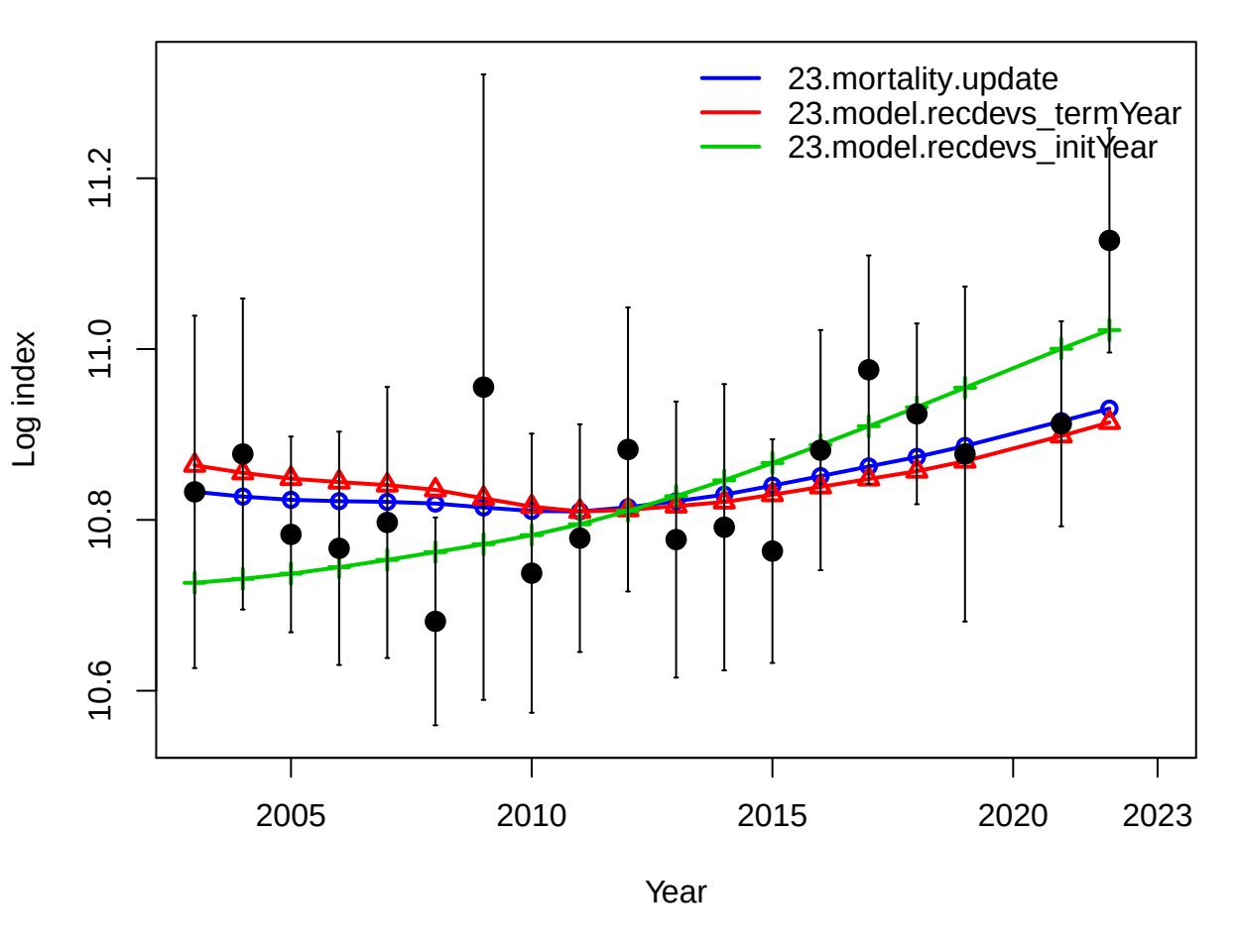

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Index
0
20000
40000
60000
80000
2005
2010
2015
2020
2023
Year

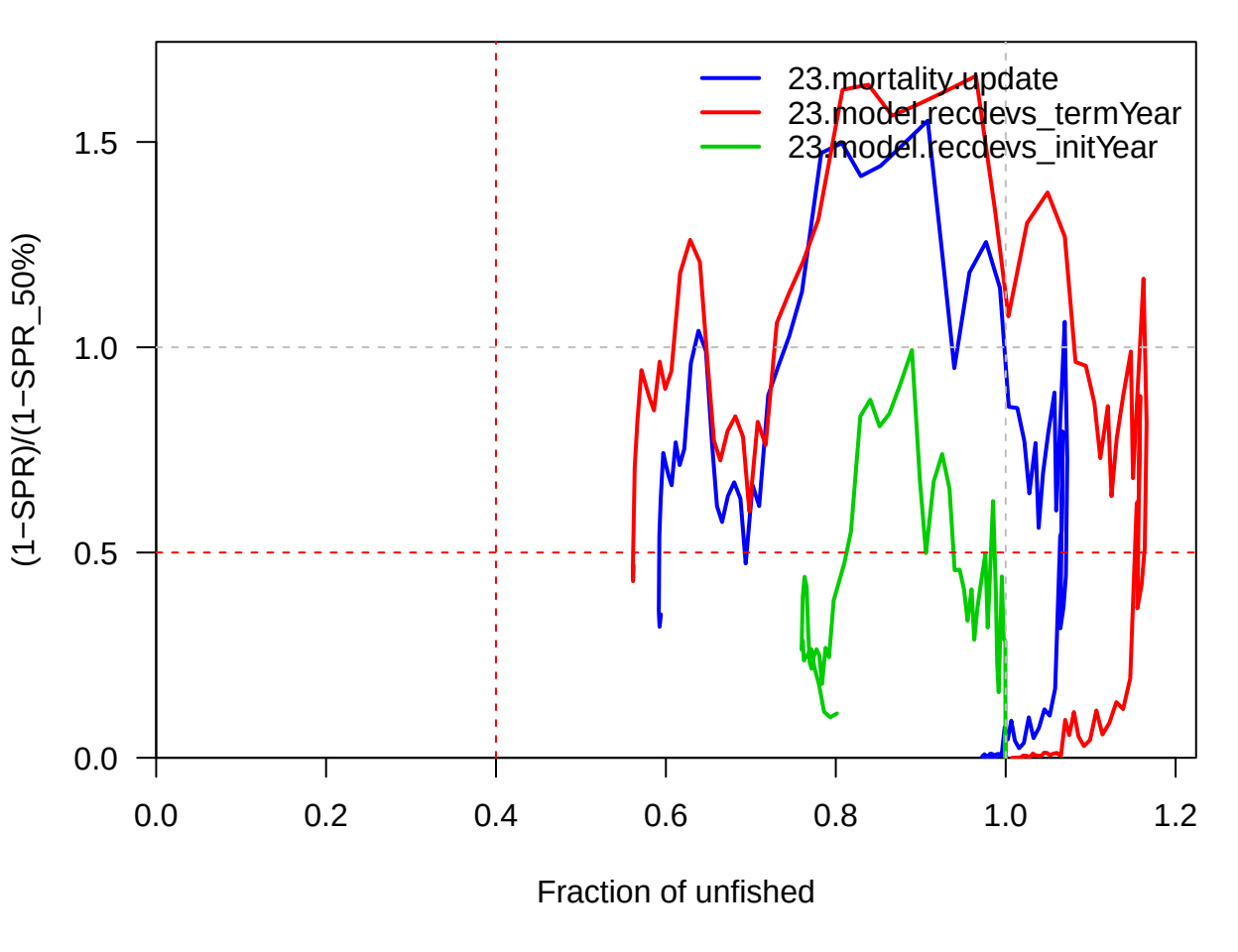

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Log index
8.5
8.0
7.5
7.0
1980
1990
2000
2010
2020
2023
Year

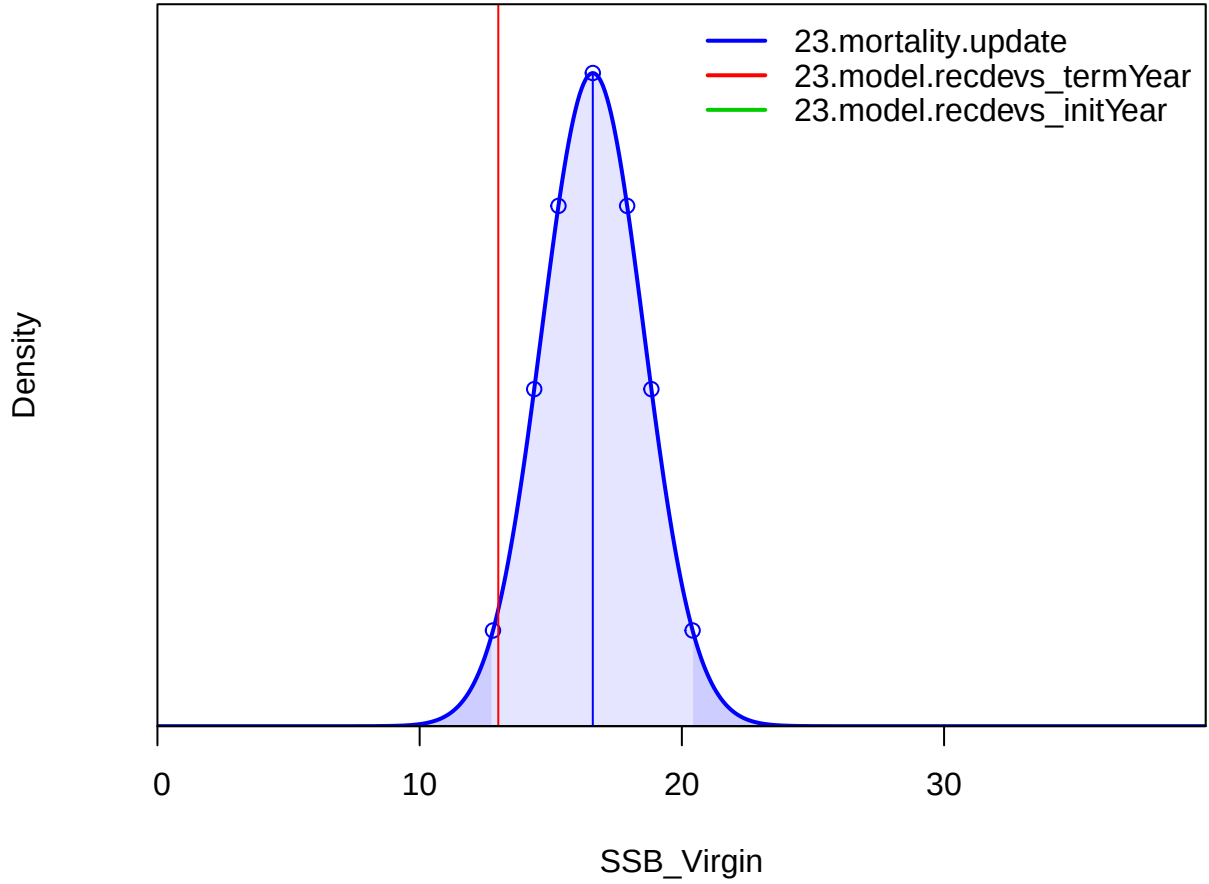

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Log index
8.0
8.2
8.4
8.6
8.8
1995
2000
2005
2010
2015
2020
2023
Year

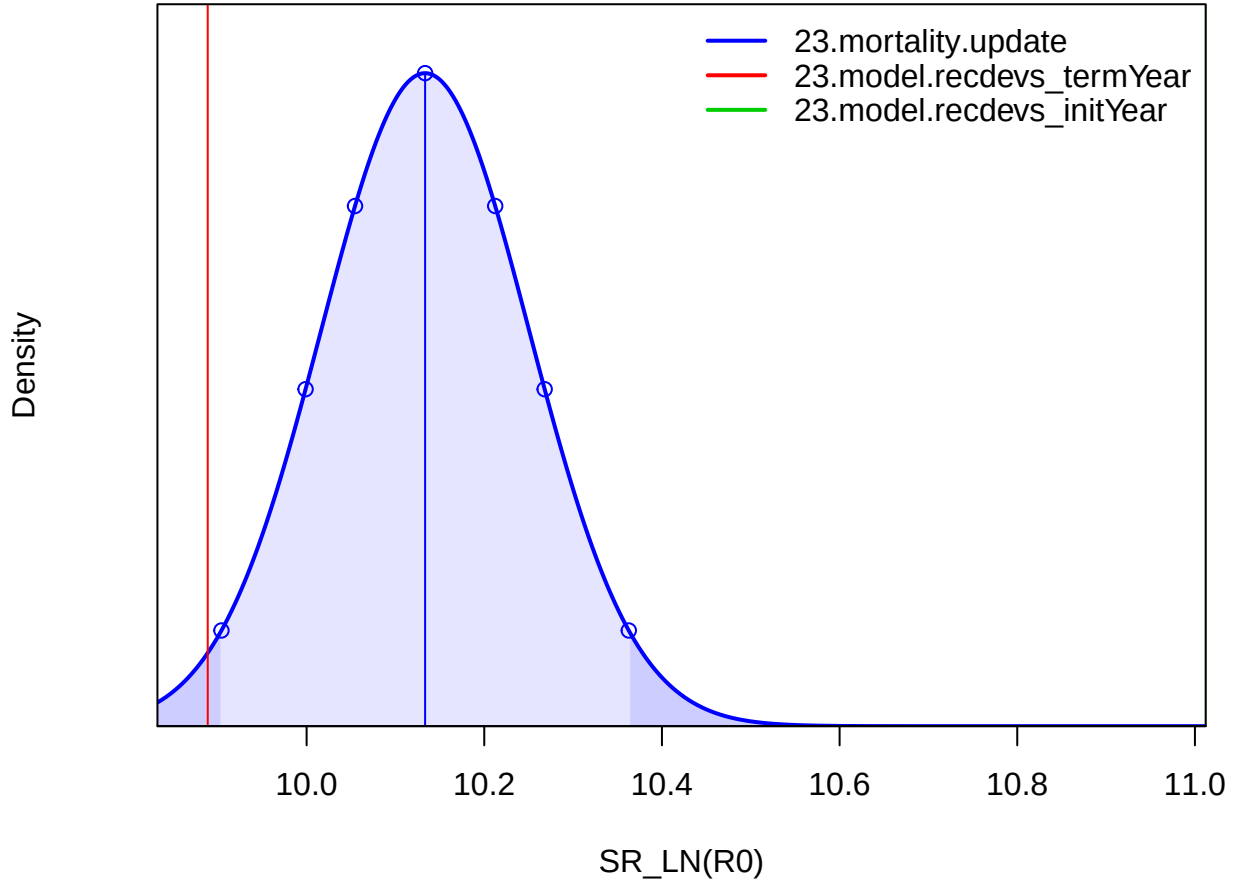

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Log index
10.5
10.6
10.7
10.8
10.9
11.0
11.1
2000
2005
2010
2015
2020
2023
Year

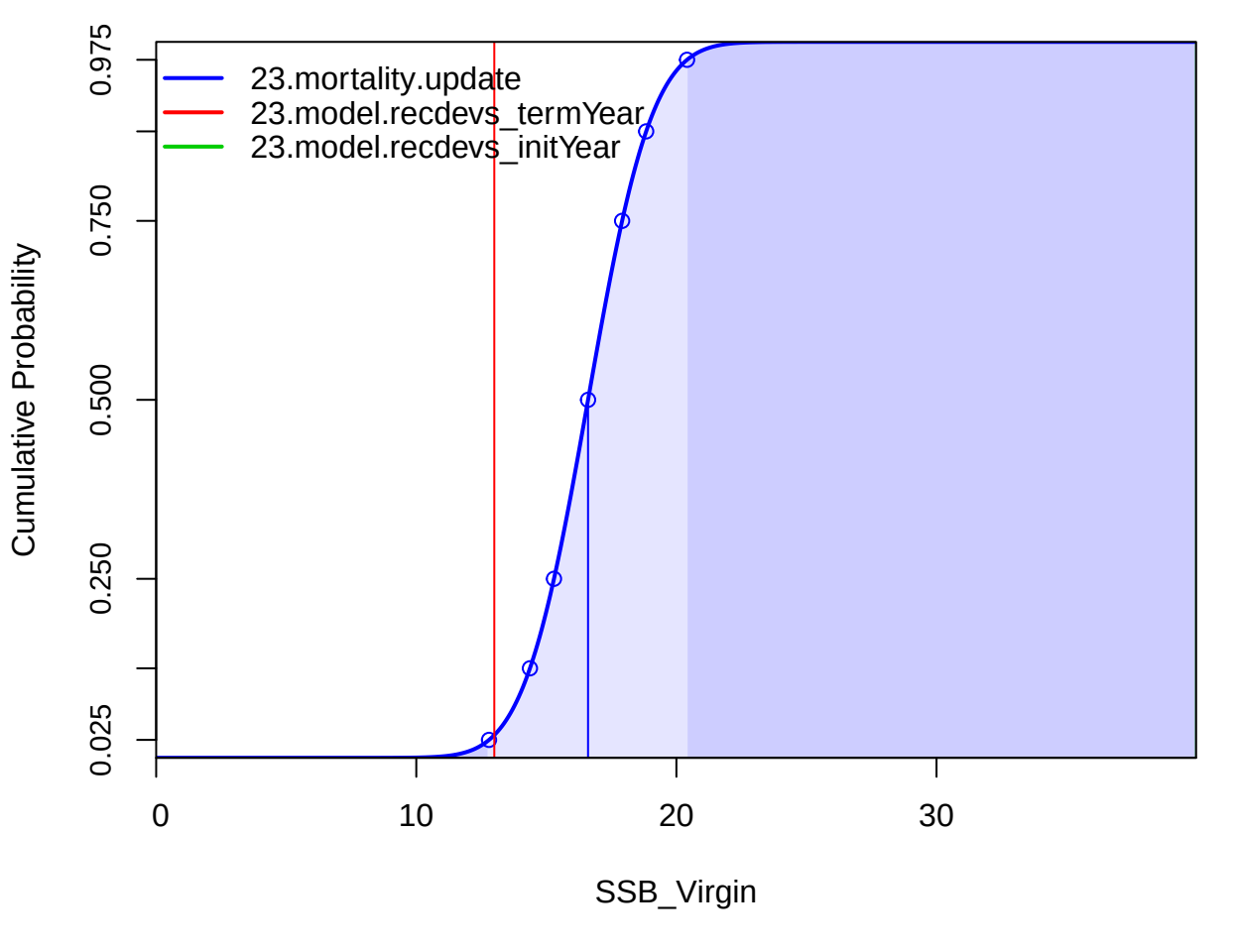

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Log index
11.0
11.1
11.2
11.3
11.4
11.5
11.6
2000
2005
2010
2015
2020
2023
Year

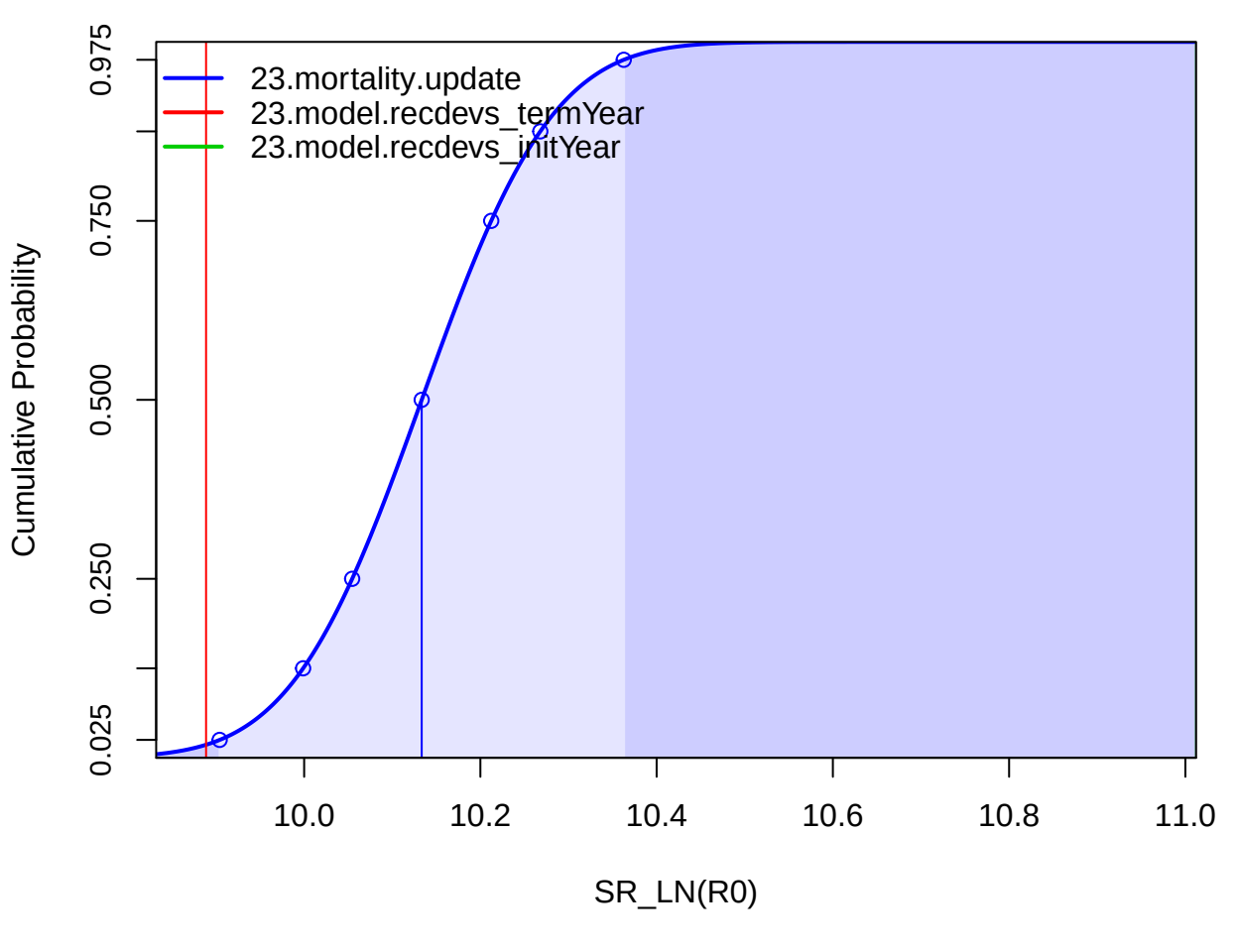

23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Log index
11.2
11.0
10.8
10.6
2005
2010
2015
2020
2023
Year


23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
(1−SPR)/(1−SPR_50%)
0.0
0.5
1.0
1.5
0.0
0.2
0.4
0.6
0.8
1.0
1.2
Fraction of unfished


23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Density
0
10
20
30
SSB_Virgin


23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Density
10.0
10.2
10.4
10.6
10.8
11.0
SR_LN(R0)


23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Cumulative Probability
0.025
0.250
0.500
0.750
0.975
0
10
20
30
SSB_Virgin


23.mortality.update
23.model.recdevs_termYear
23.model.recdevs_initYear
Cumulative Probability
0.025
0.250
0.500
0.750
0.975
10.0
10.2
10.4
10.6
10.8
11.0
SR_LN(R0)