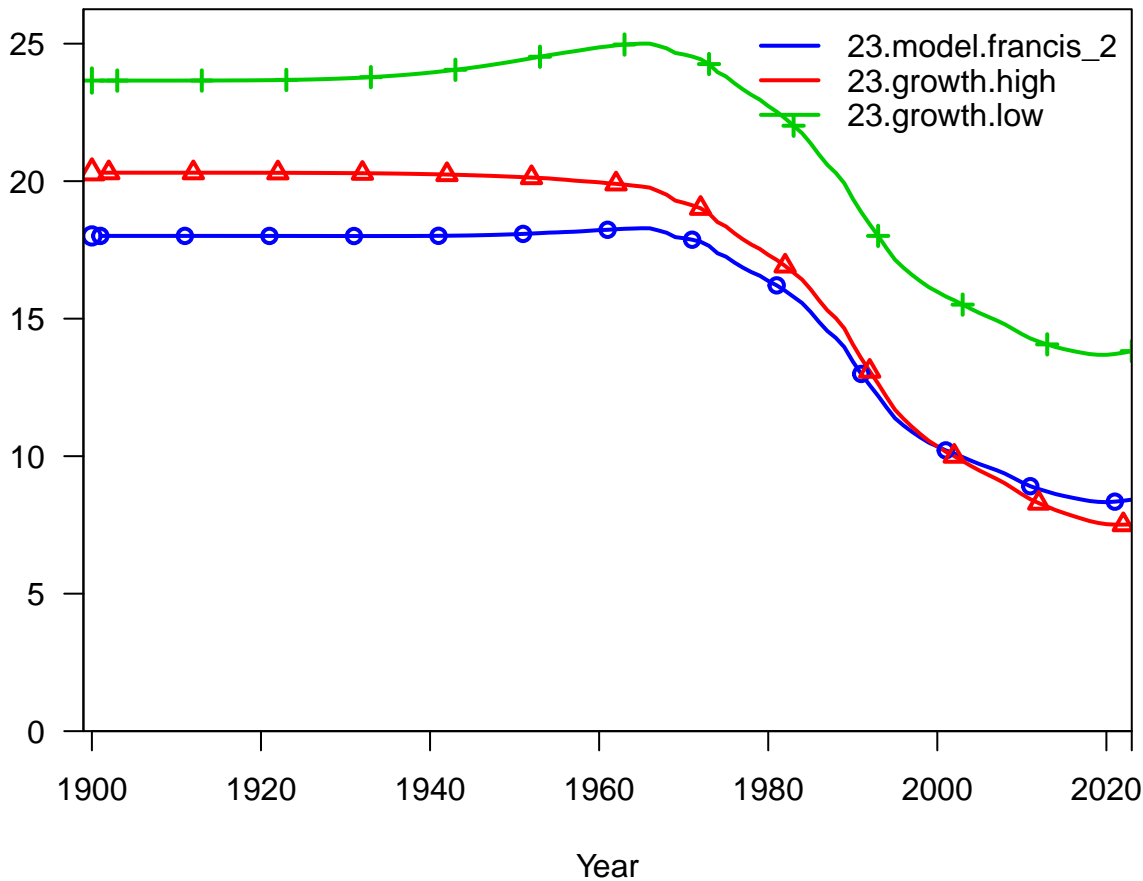
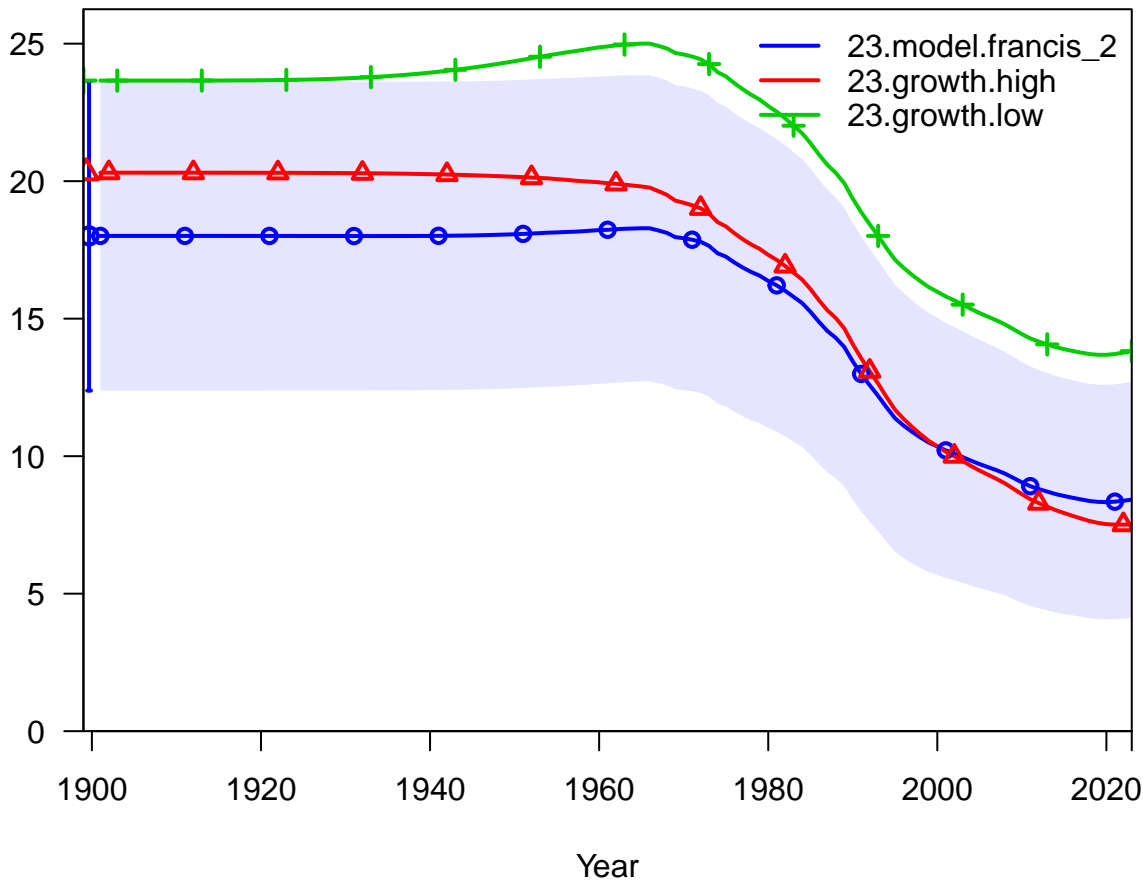
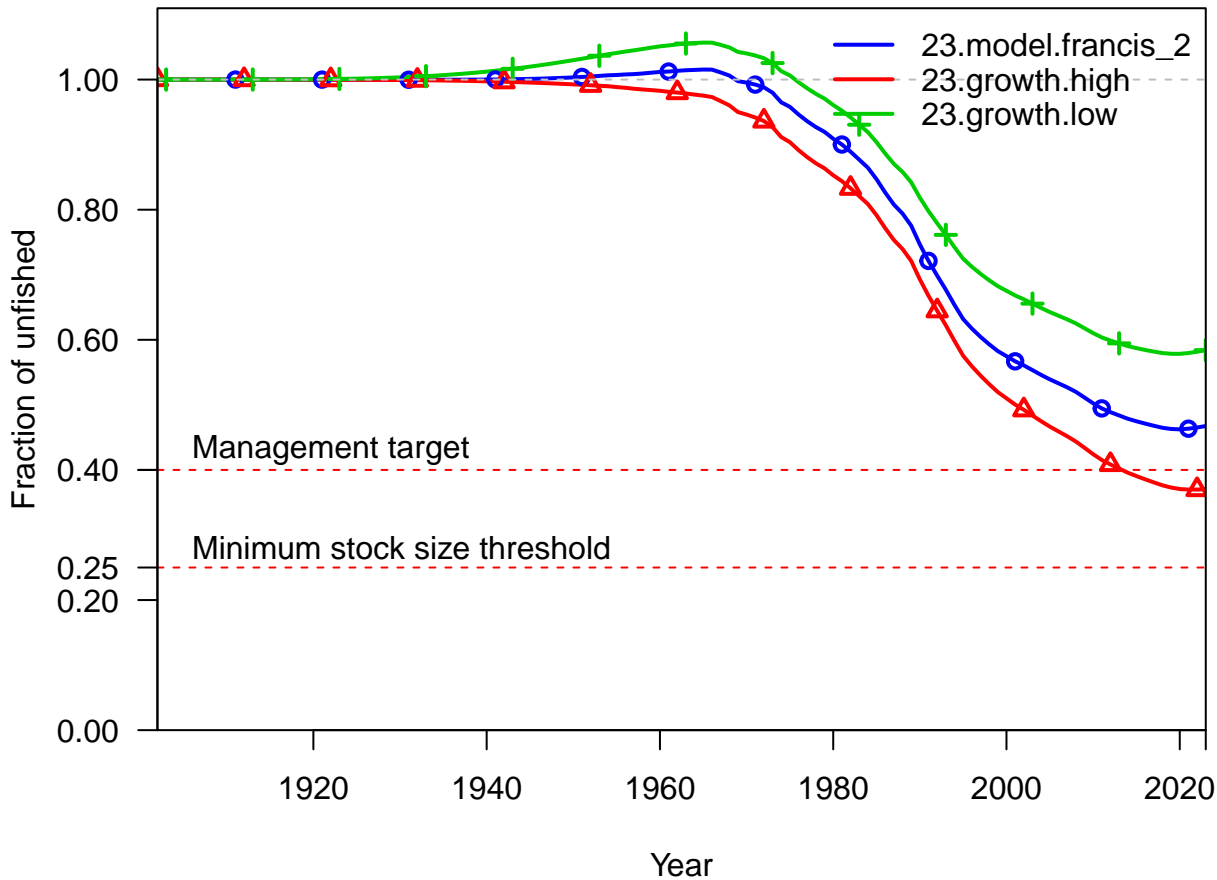


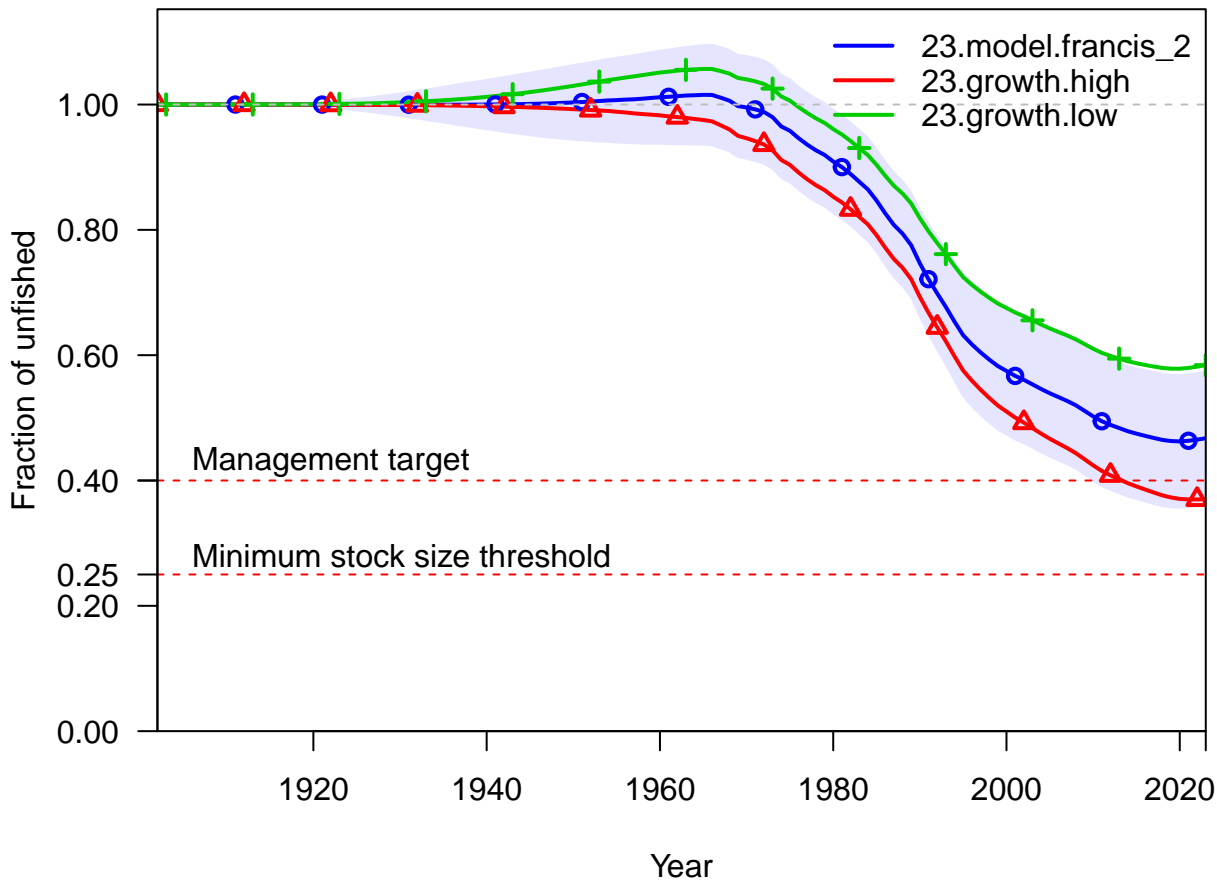
Spawning output

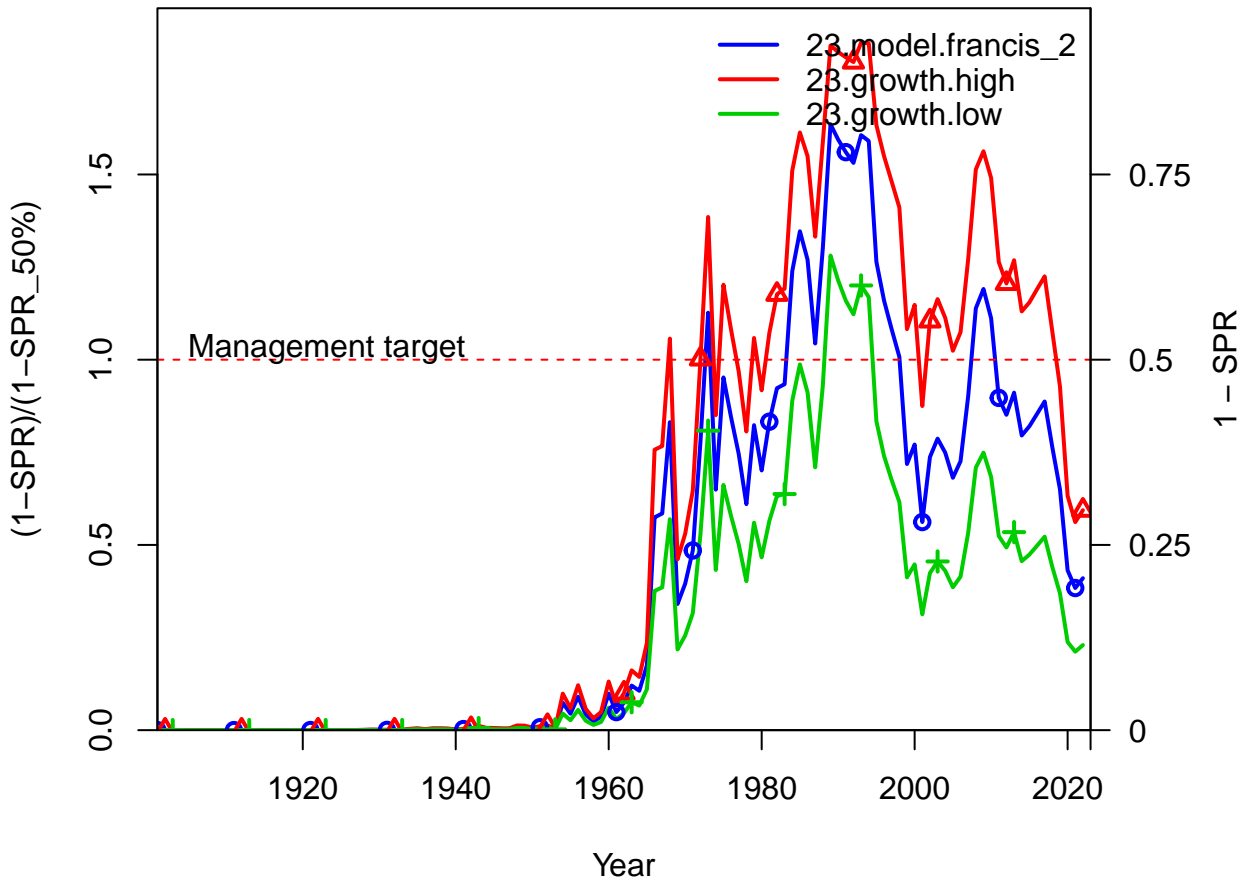


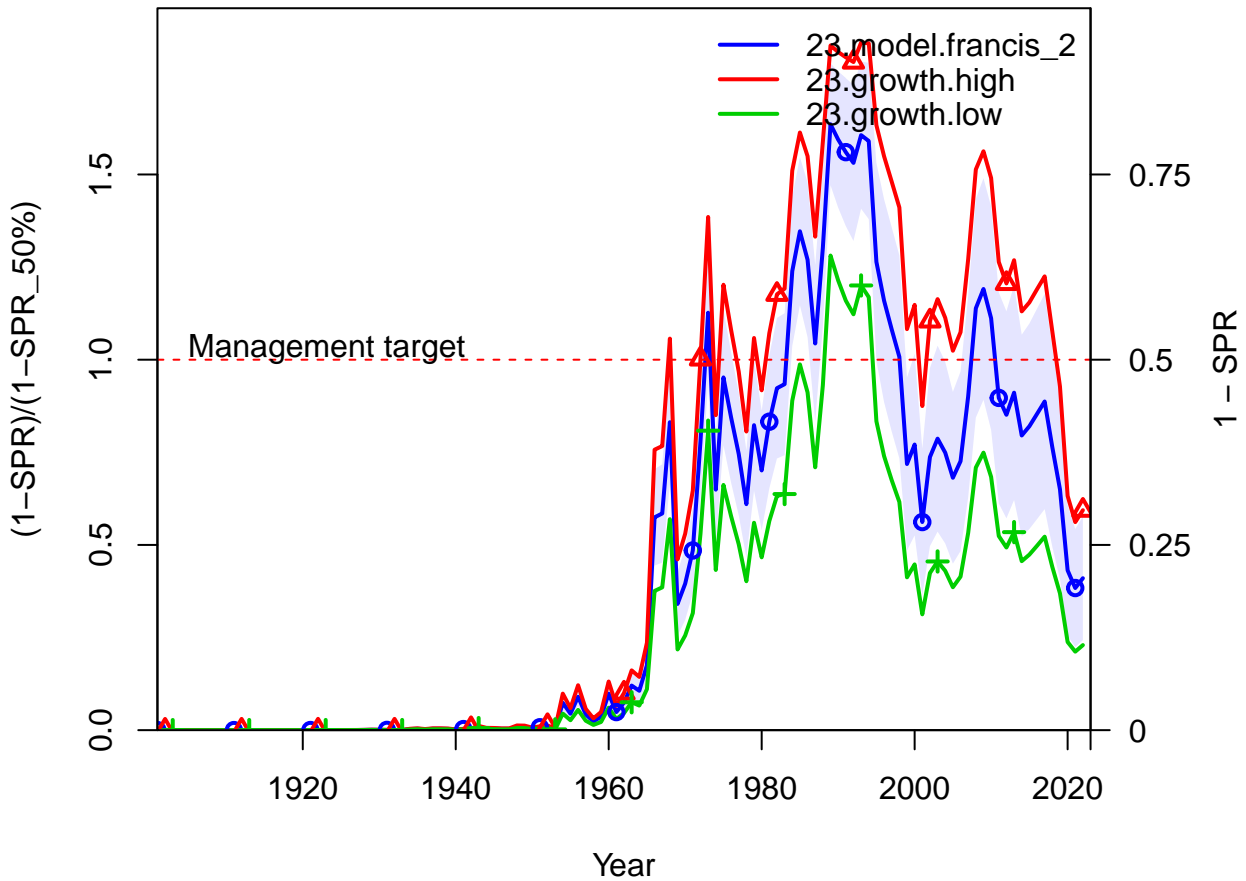
Spawning output



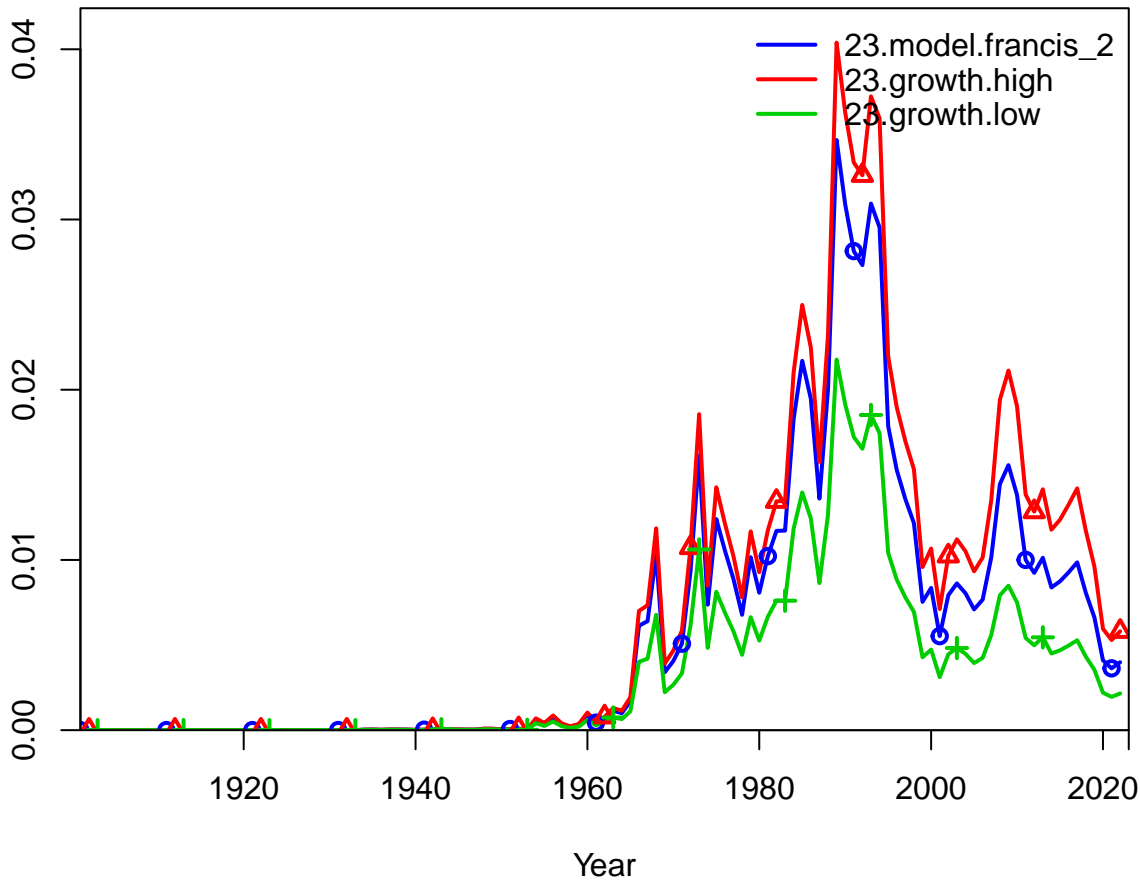


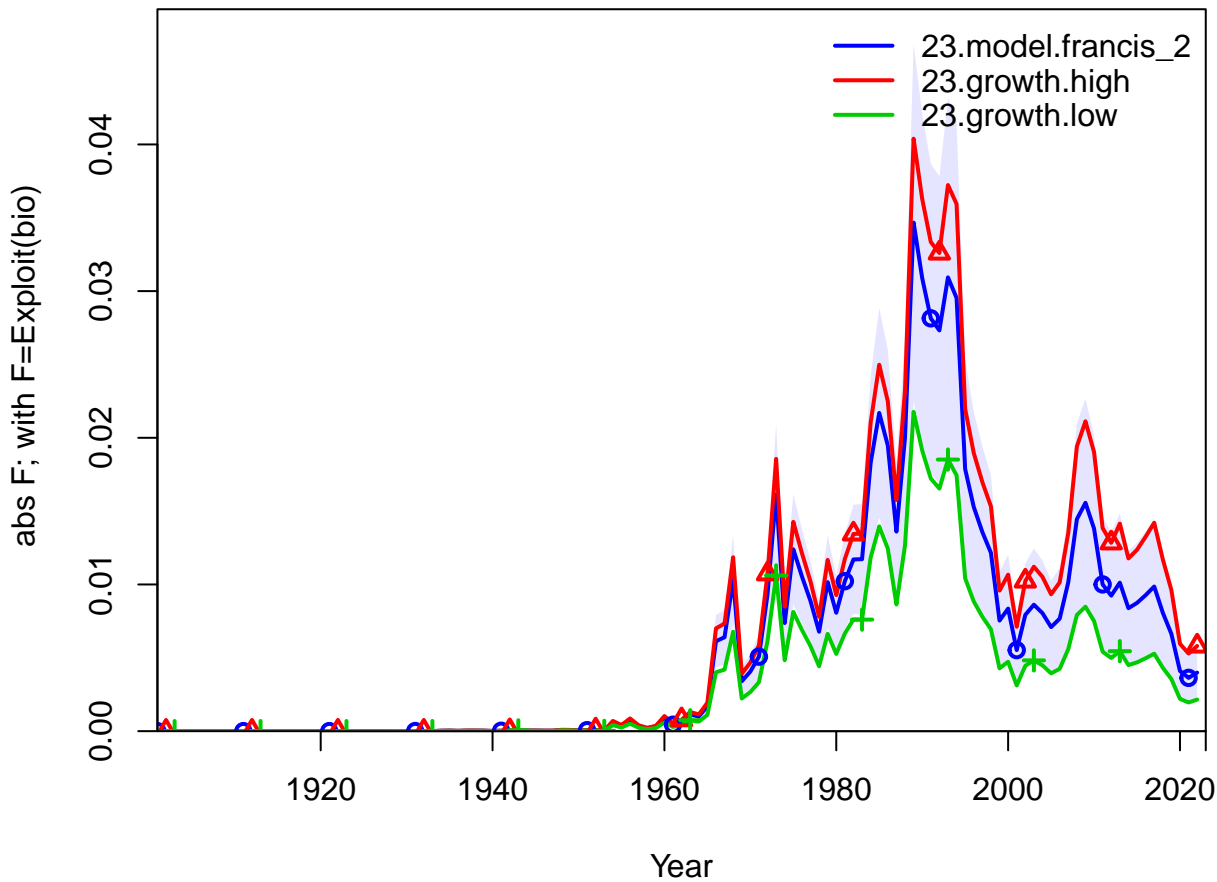


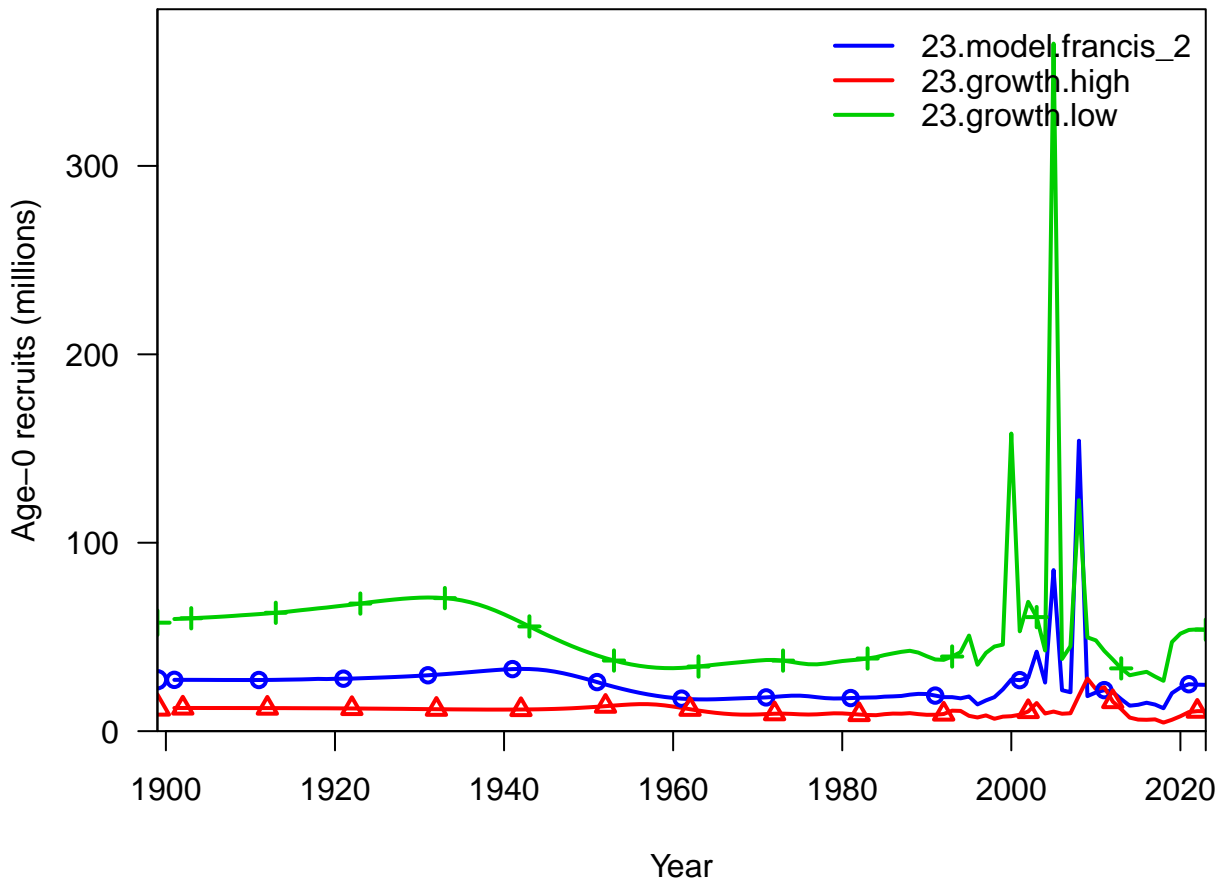


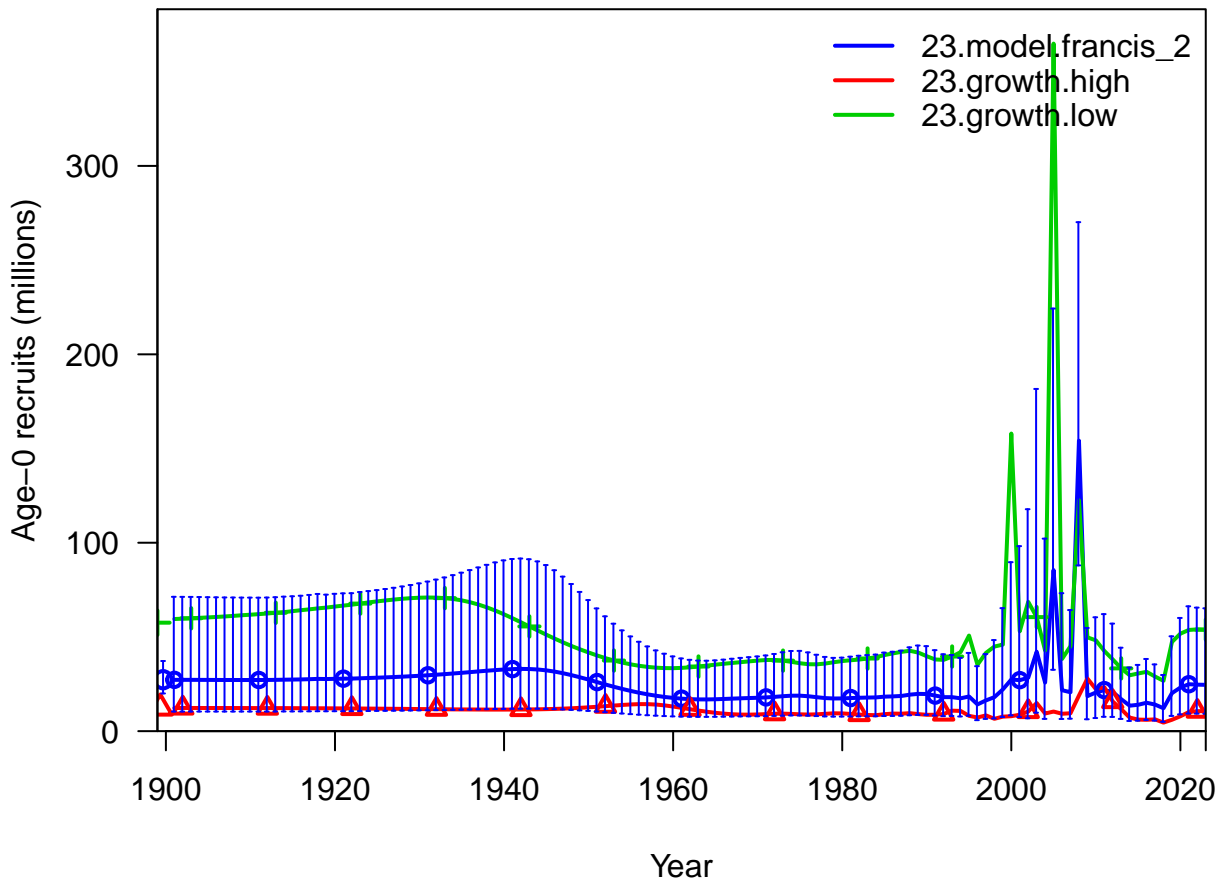


abs F; with F=Exploit(bio)

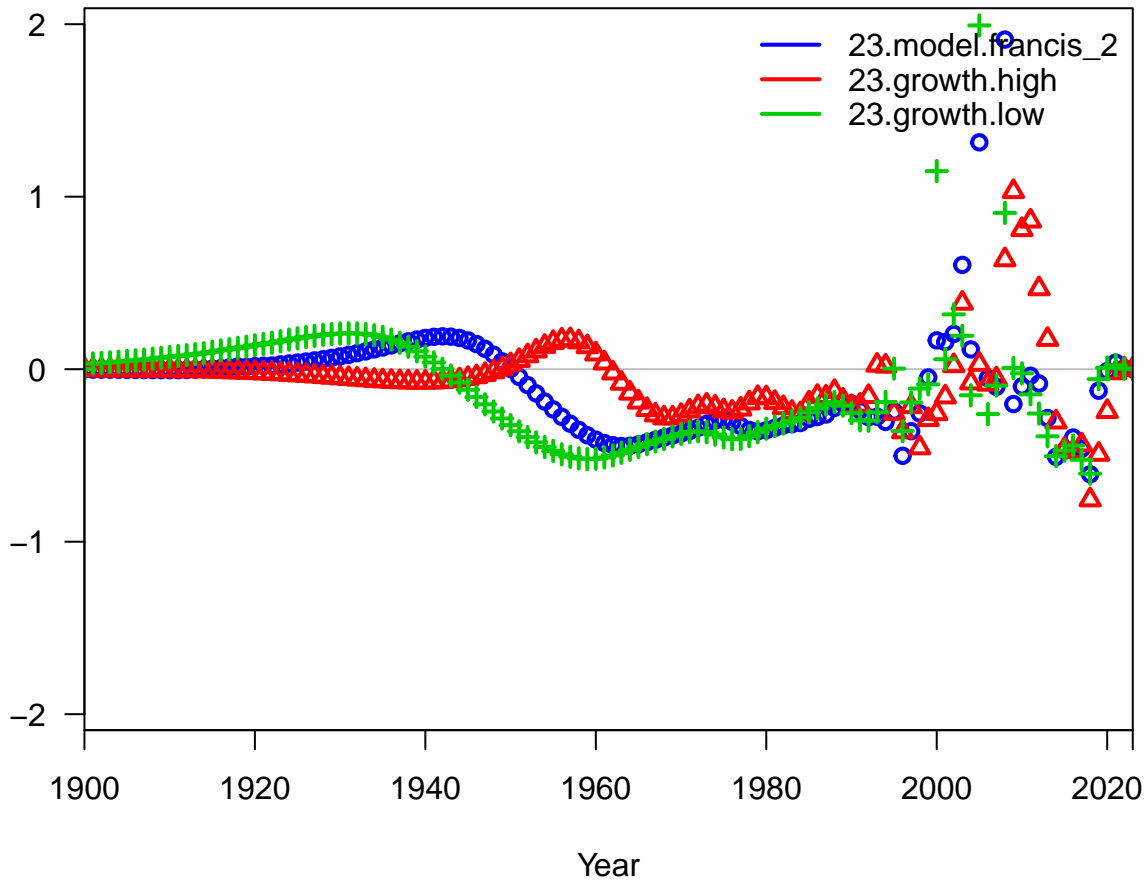




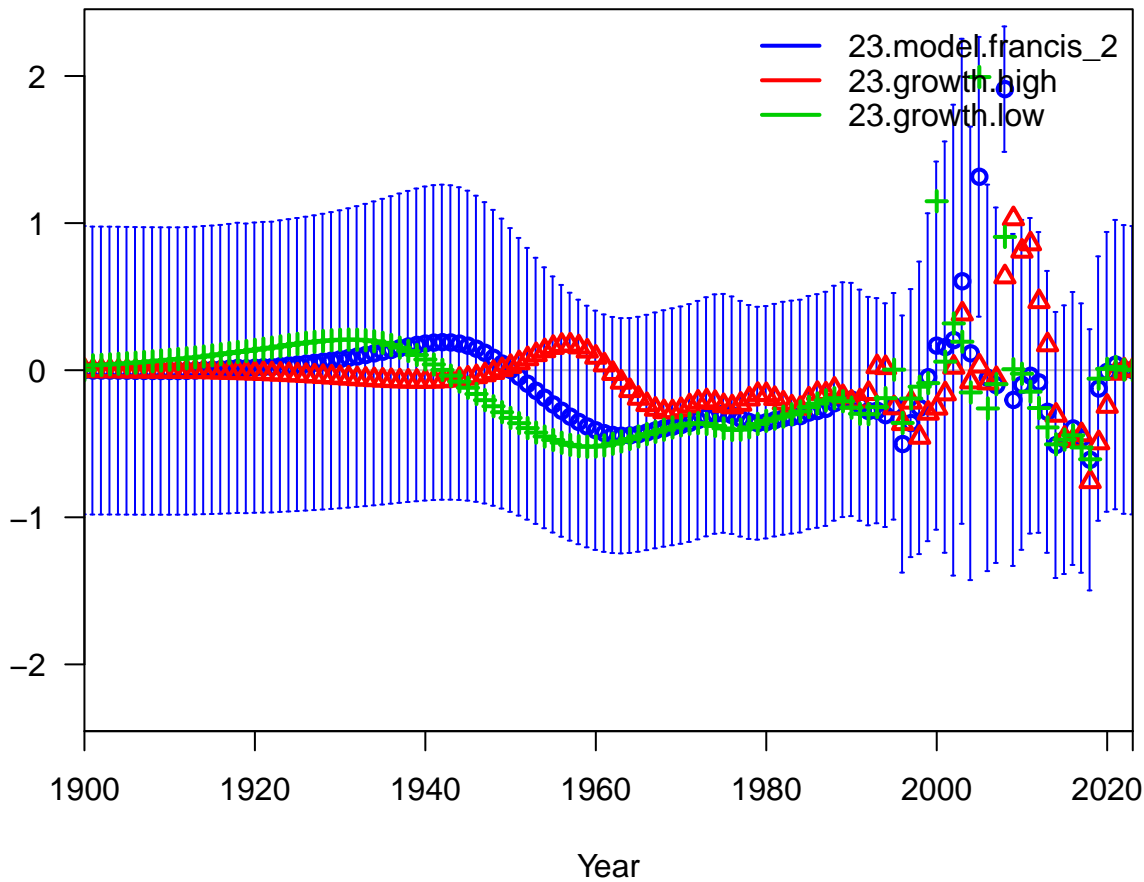




Recruitment deviations



Recruitment deviations



Index

23.model.francis_2
23.growth.high
23.growth.low

10000
8000
6000
4000
2000
0

1980

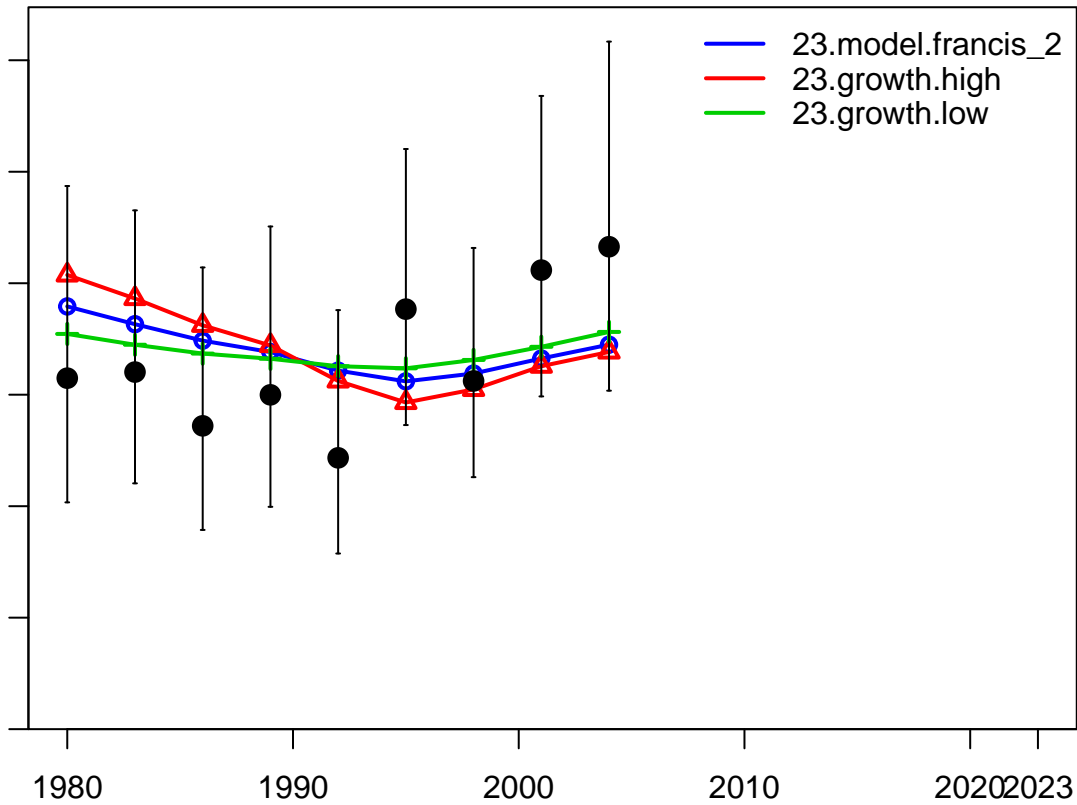
1990

2000

2010

20202023

Year



Index

23.model.francis_2
23.growth.high
23.growth.low

80000
60000
40000
20000
0

2005

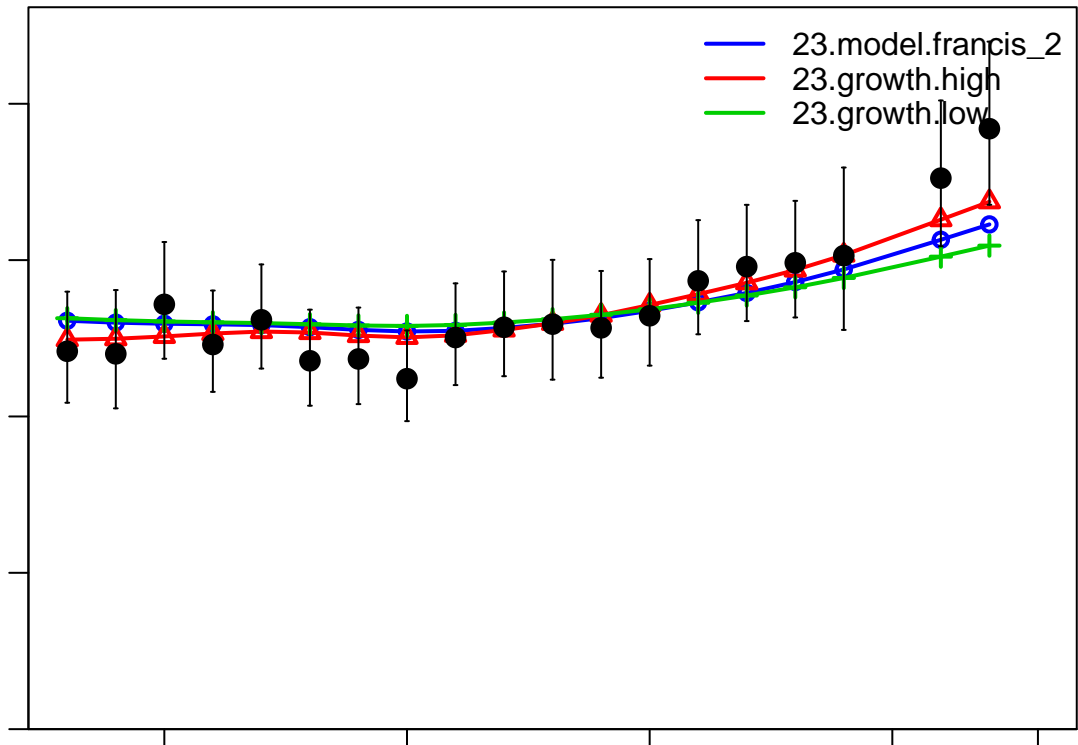
2010

2015

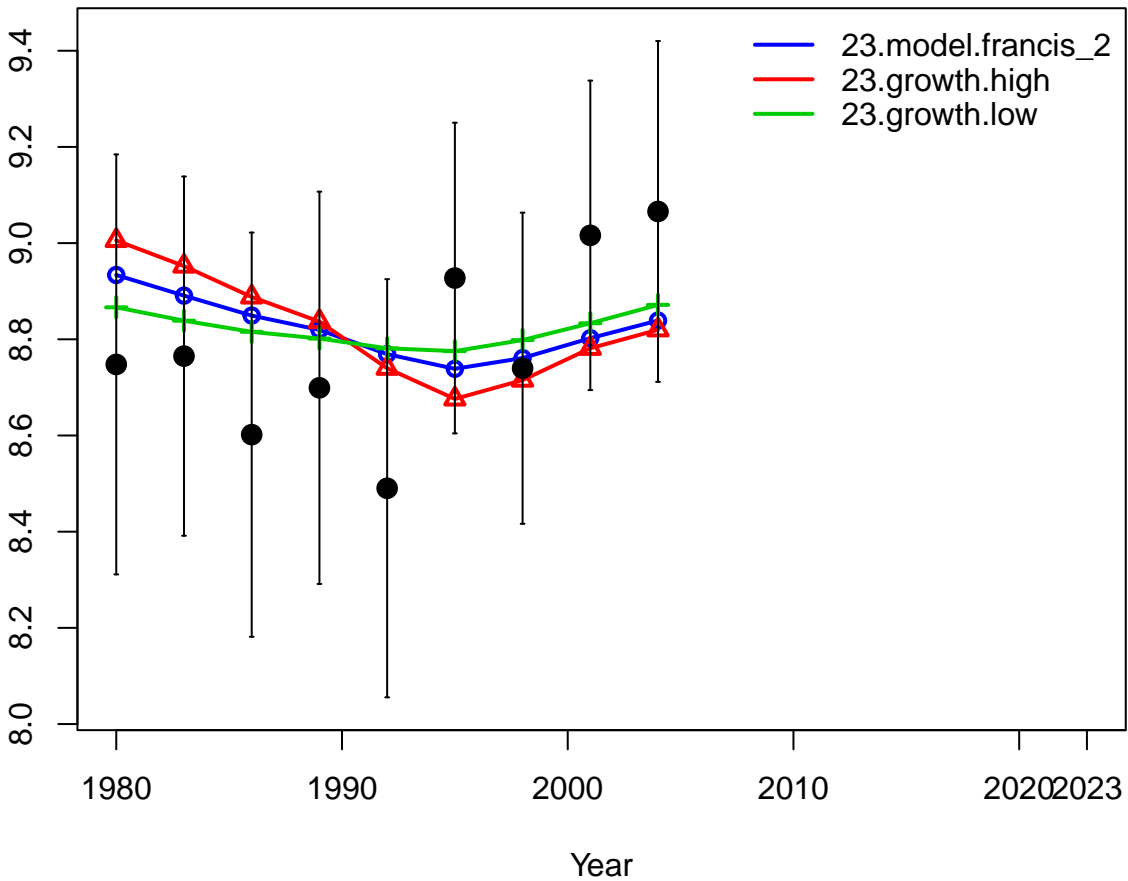
2020

2023

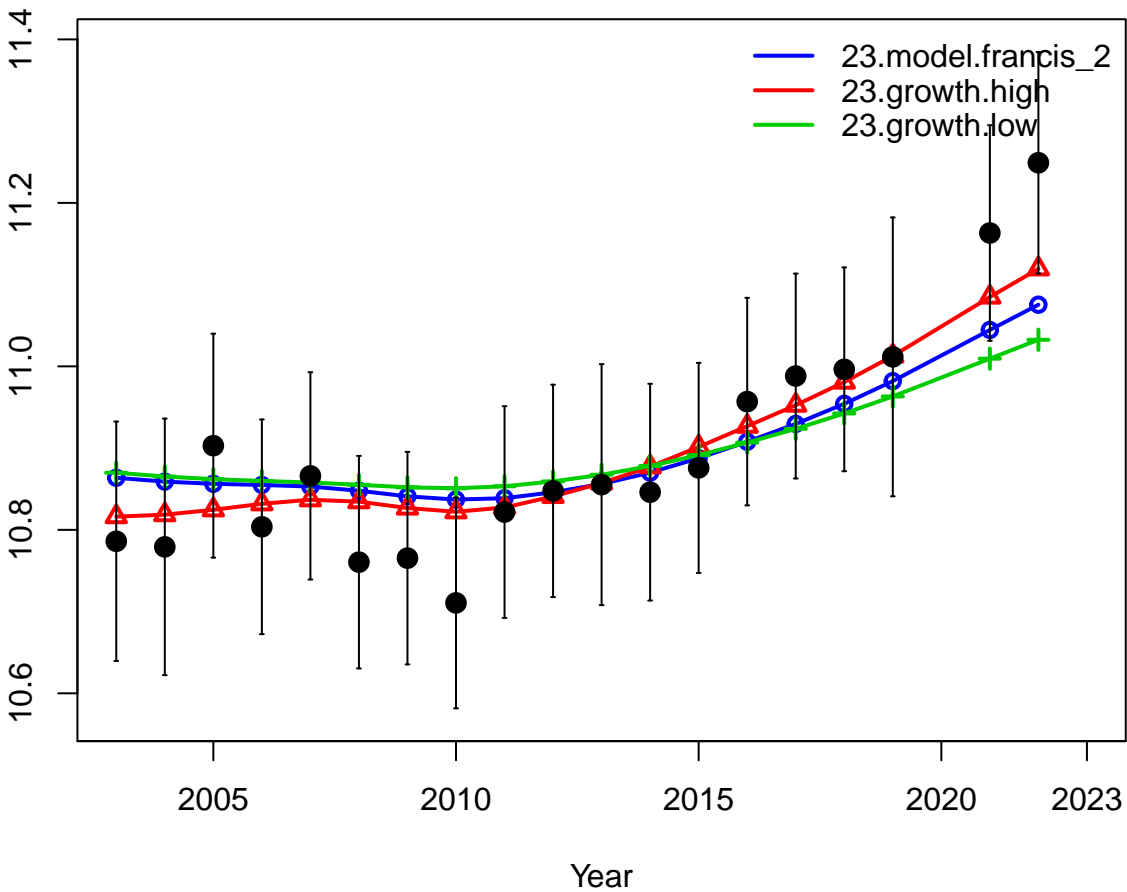
Year

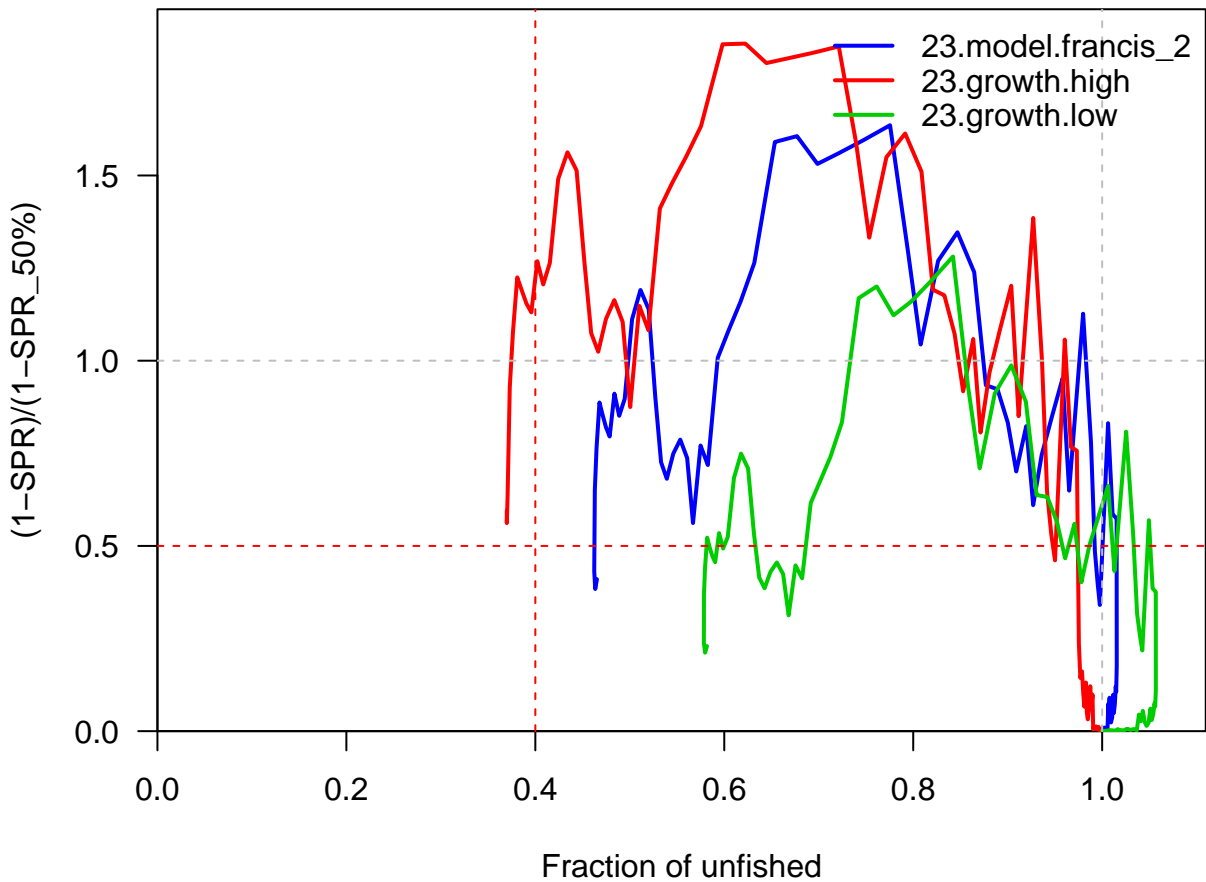


Log index

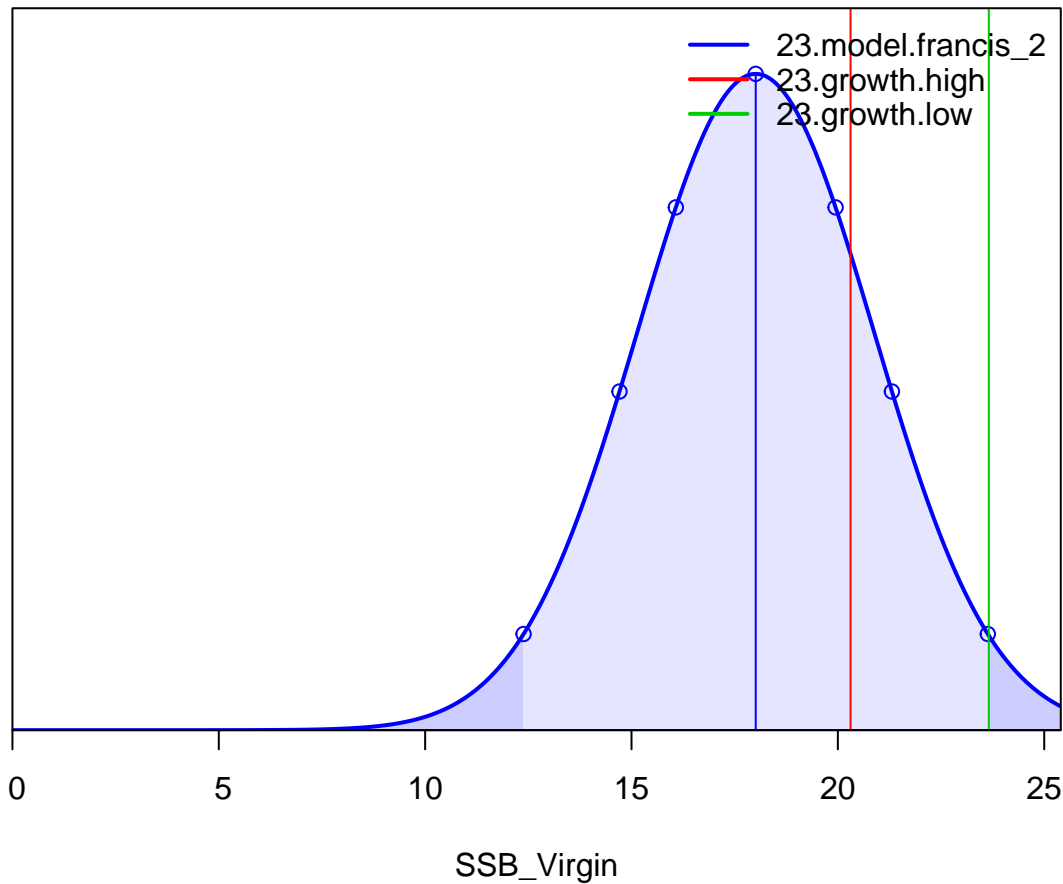


Log index

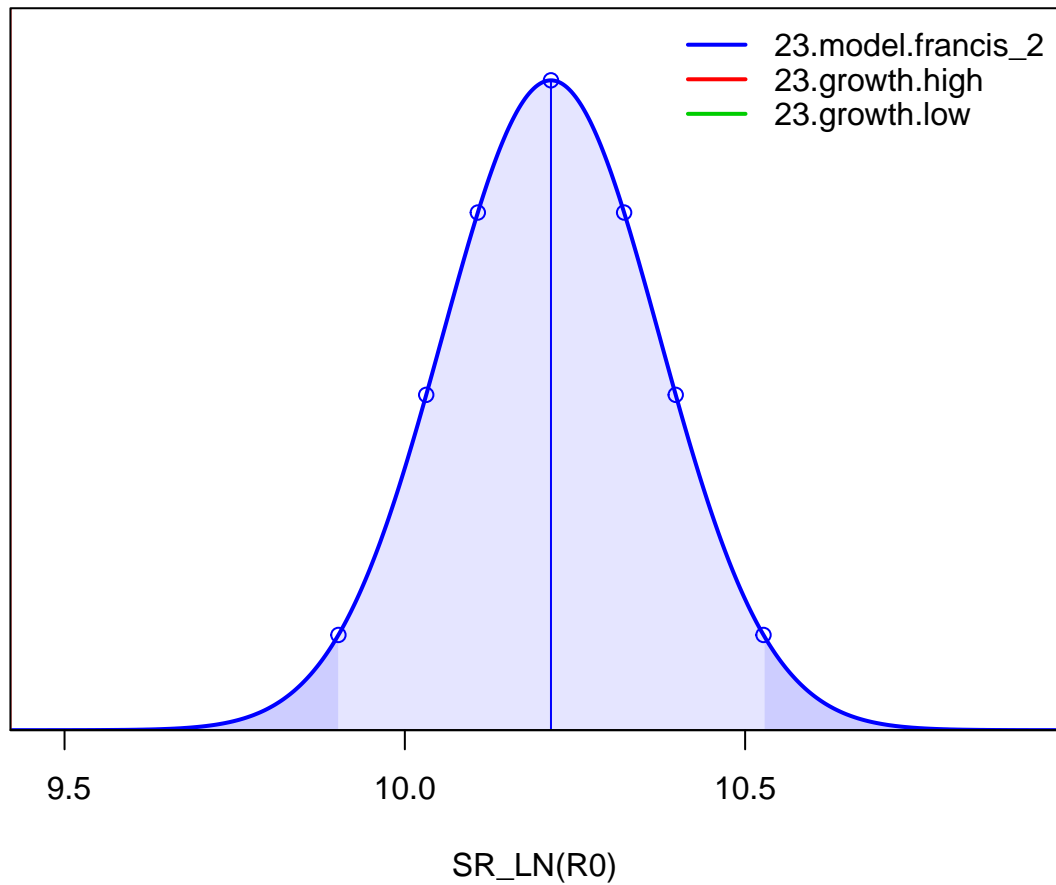




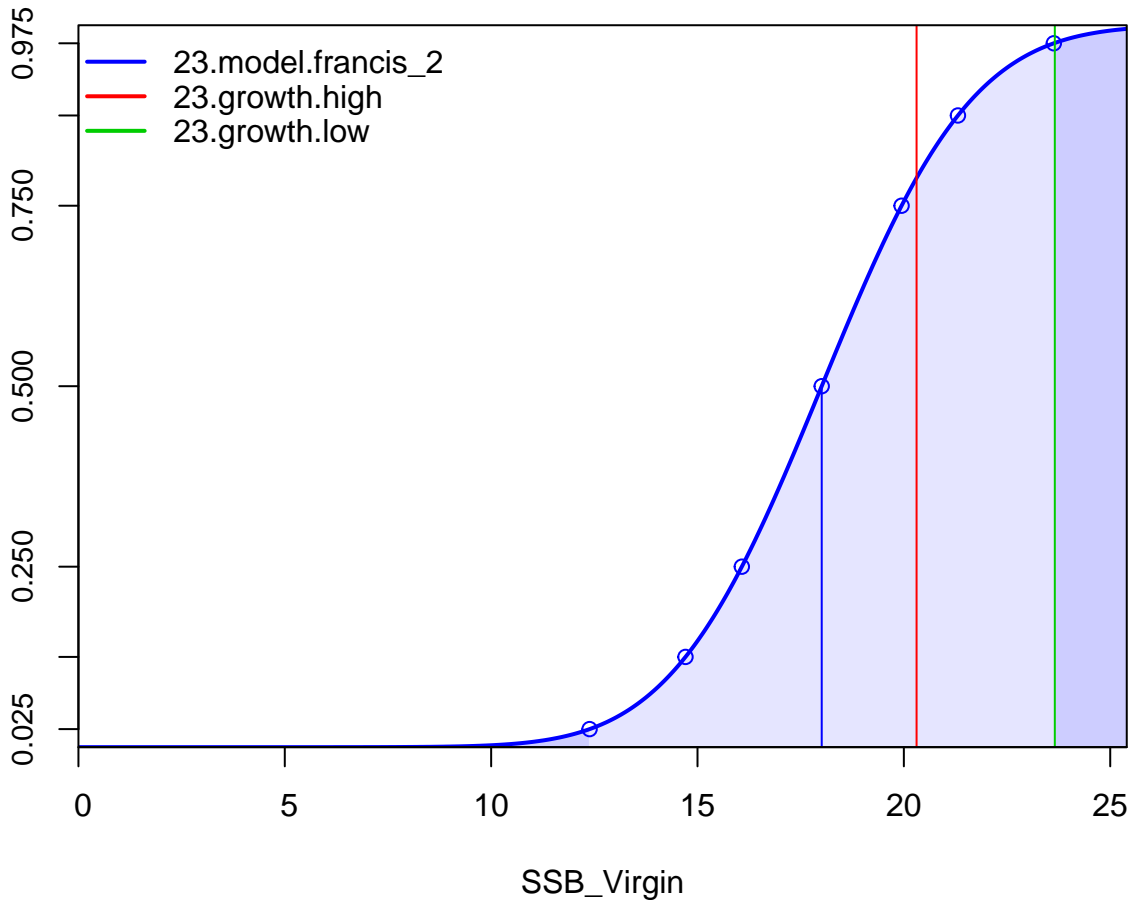
Density



Density



Cumulative Probability



Cumulative Probability

