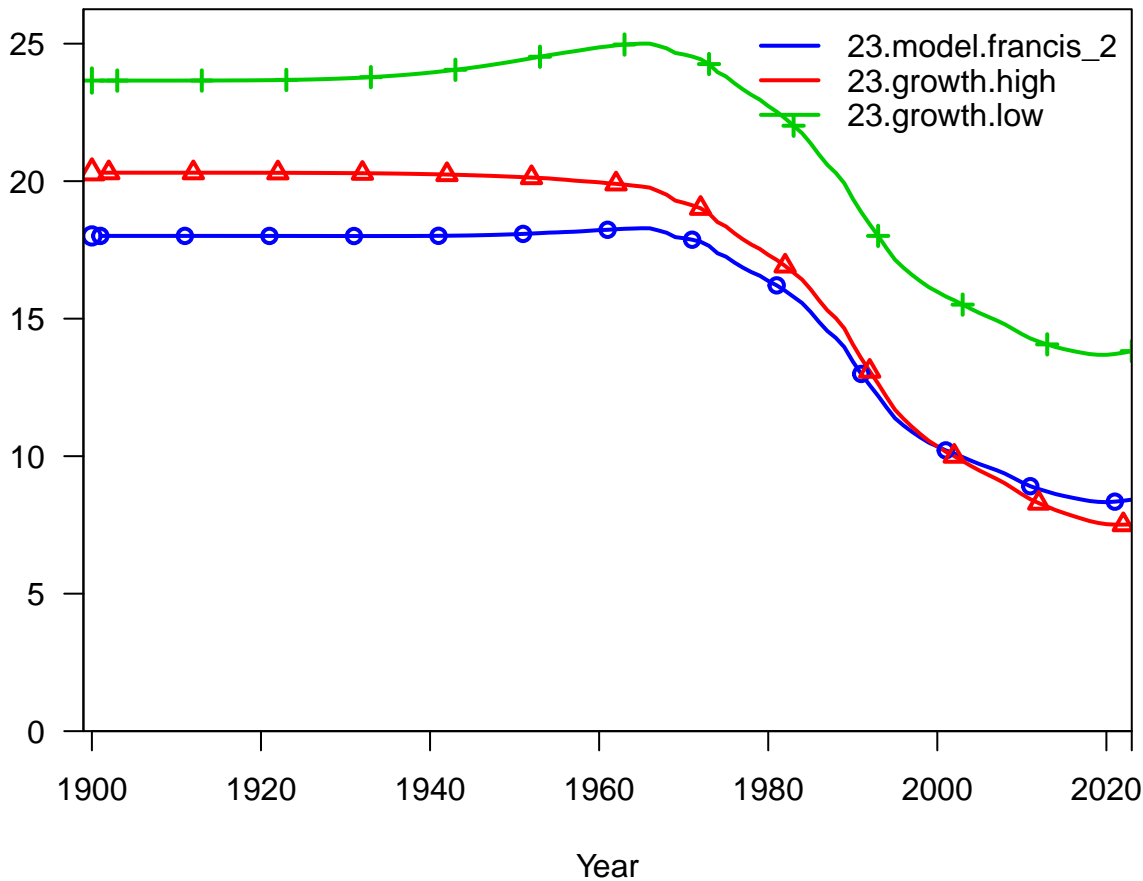
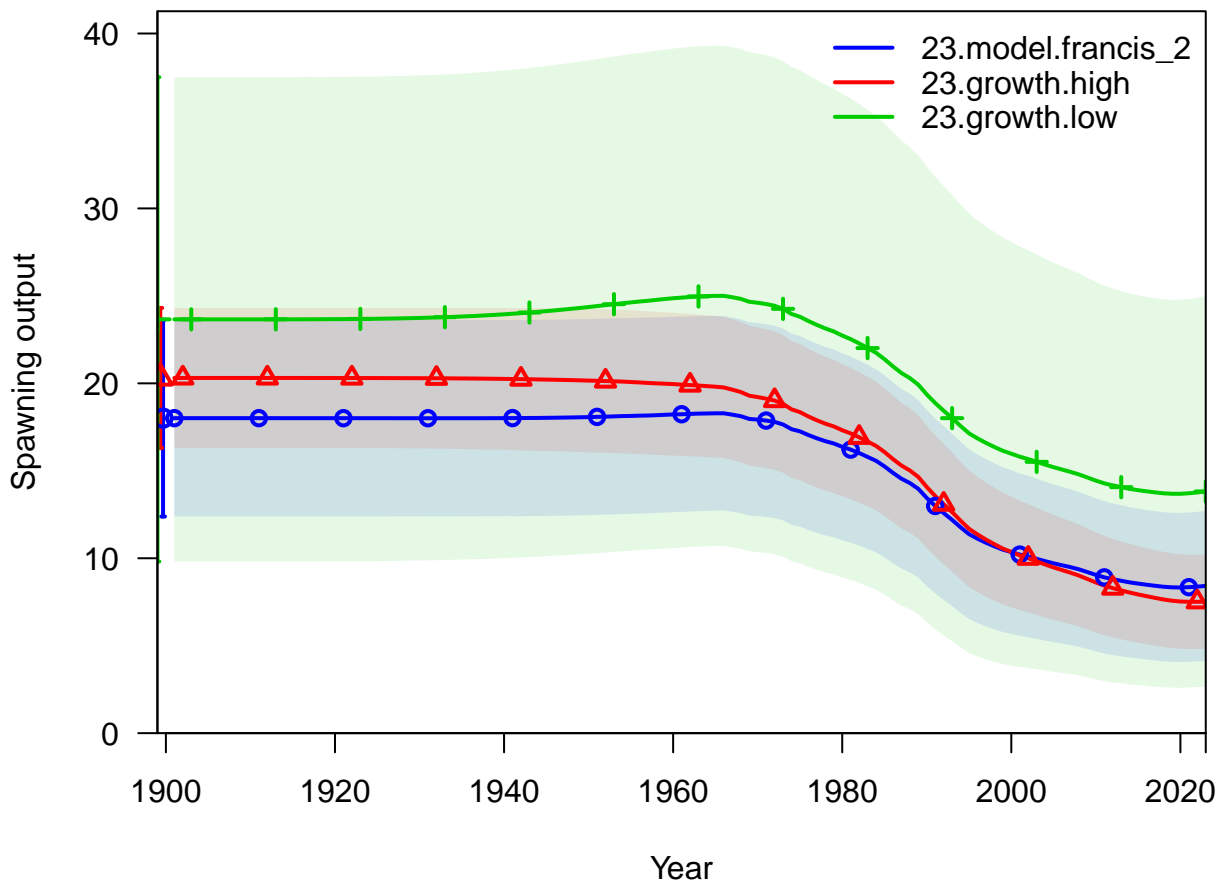
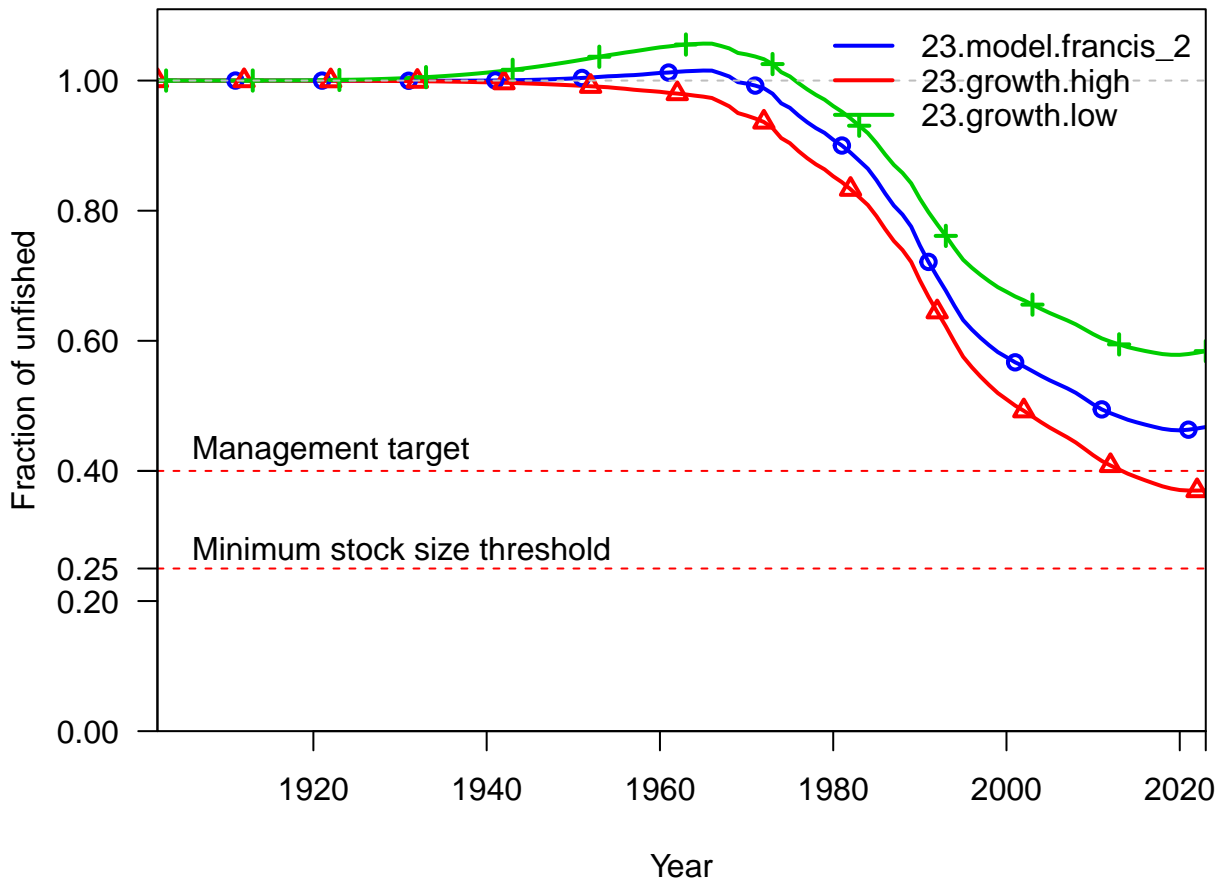


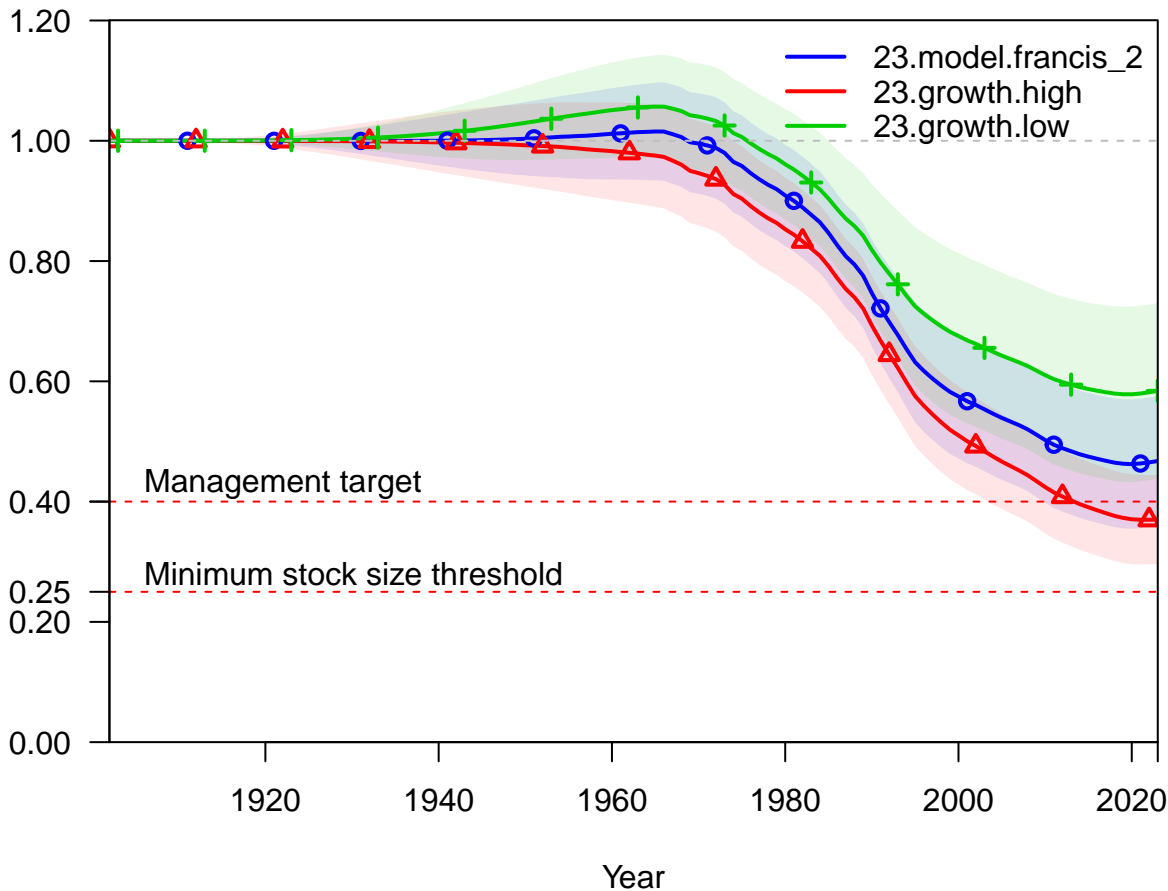
Spawning output

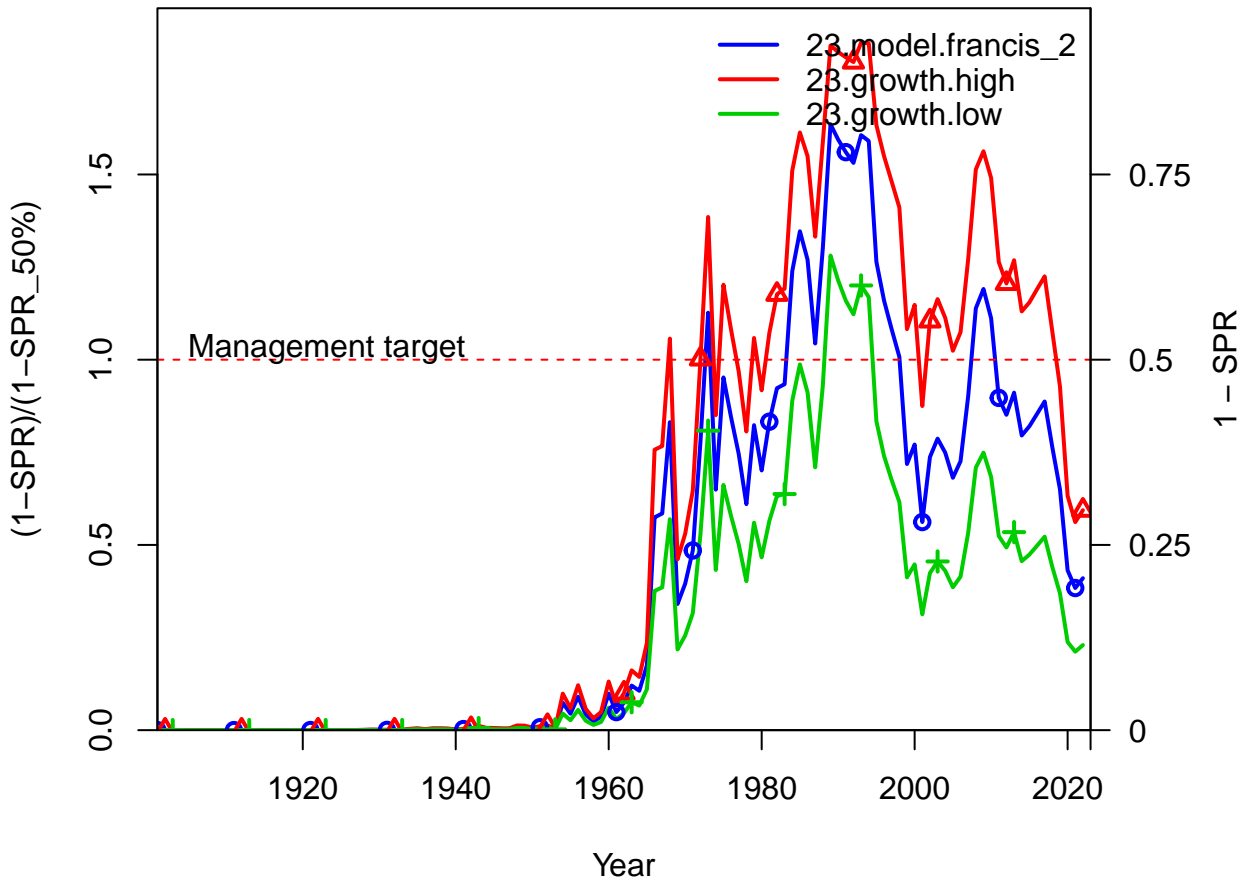




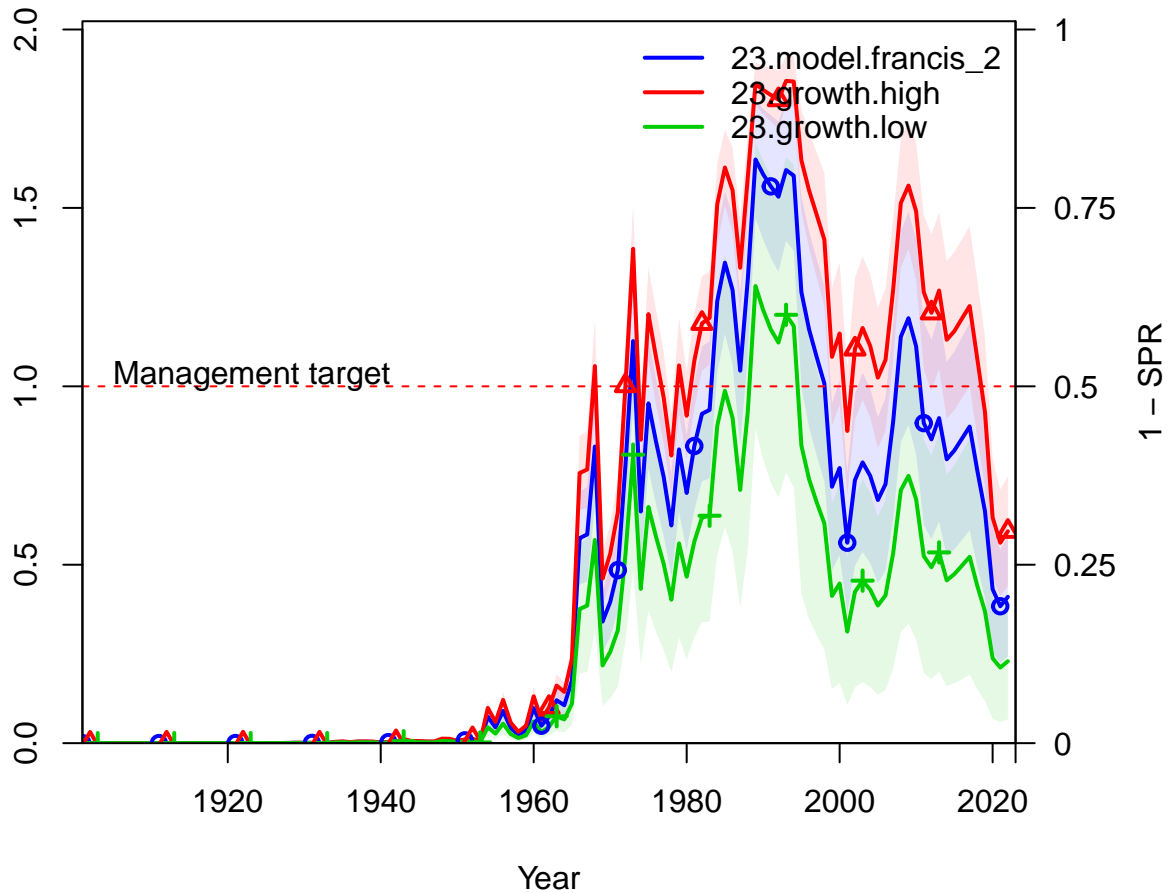


Fraction of unfished

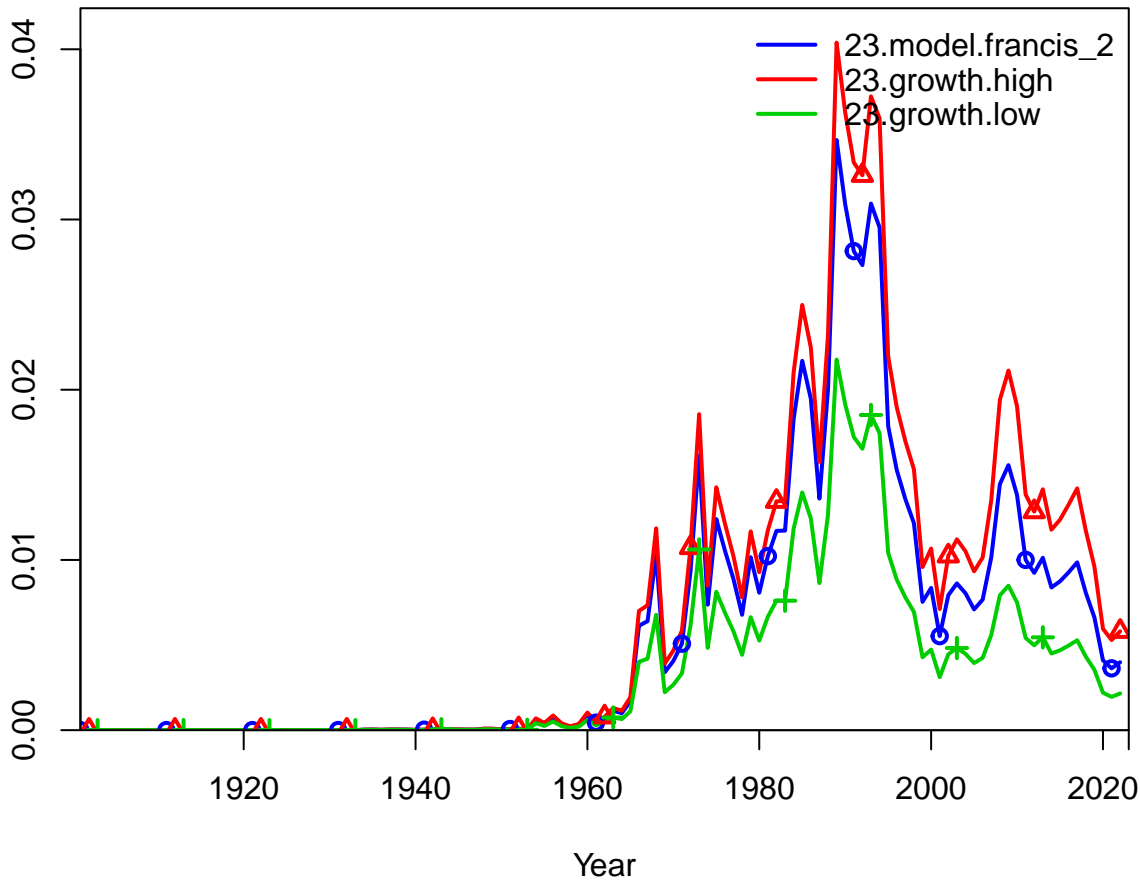


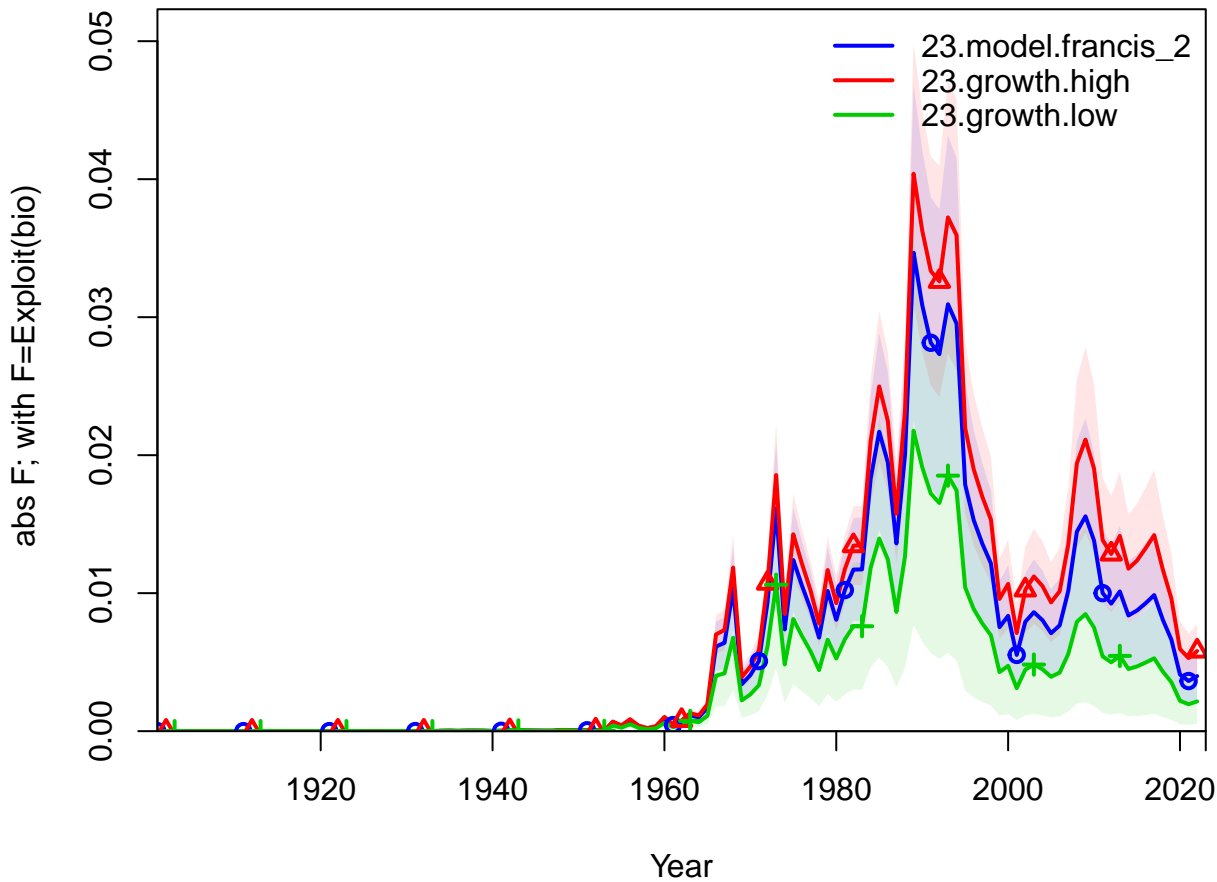


$(1-SPR)/(1-SPR_{50\%})$

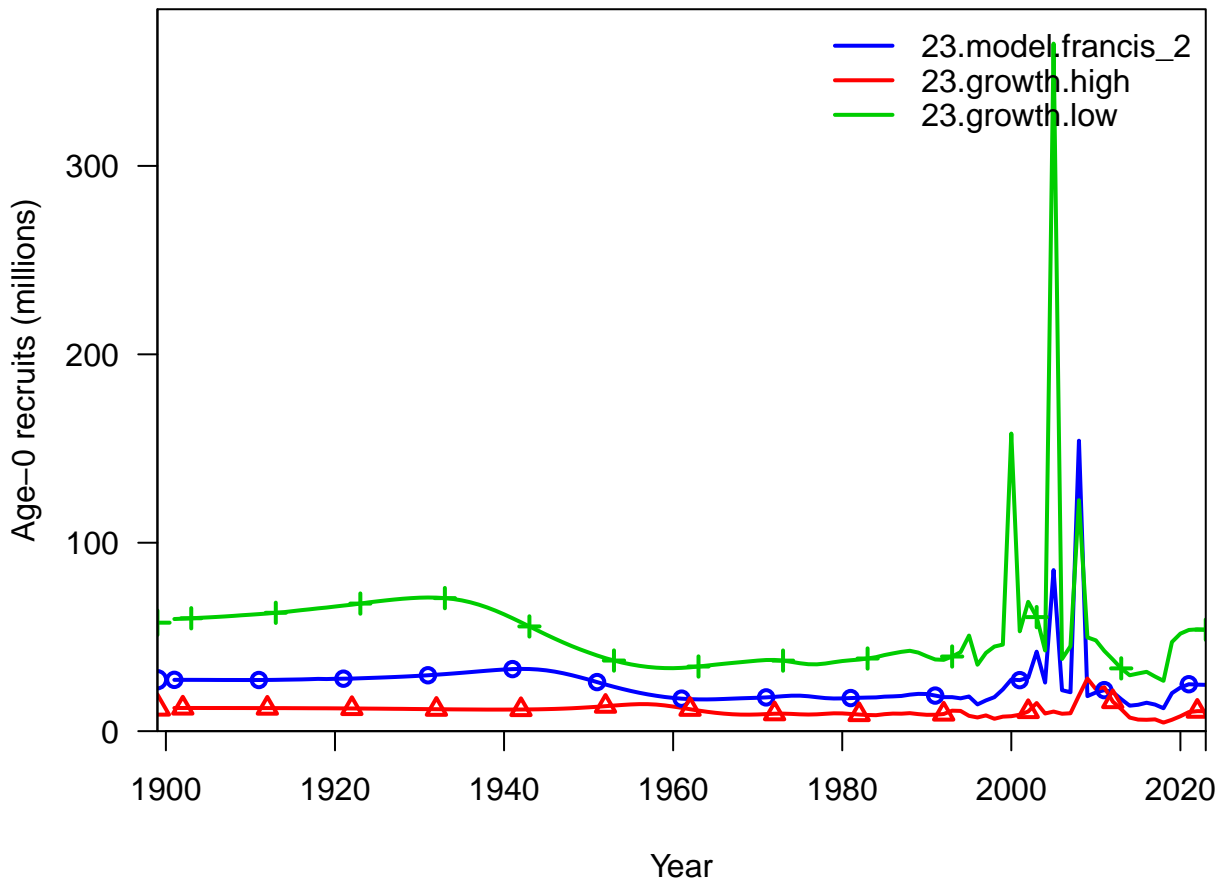


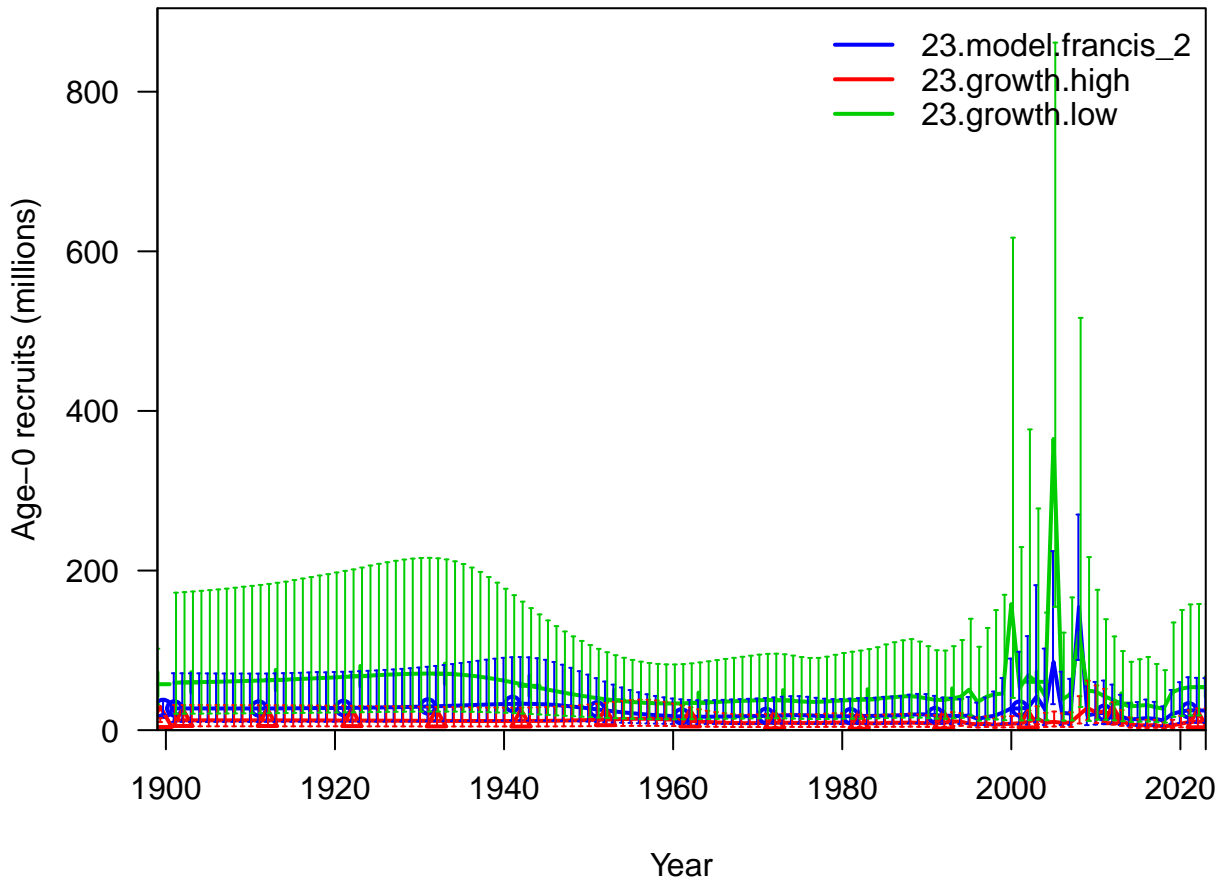
abs F; with F=Exploit(bio)



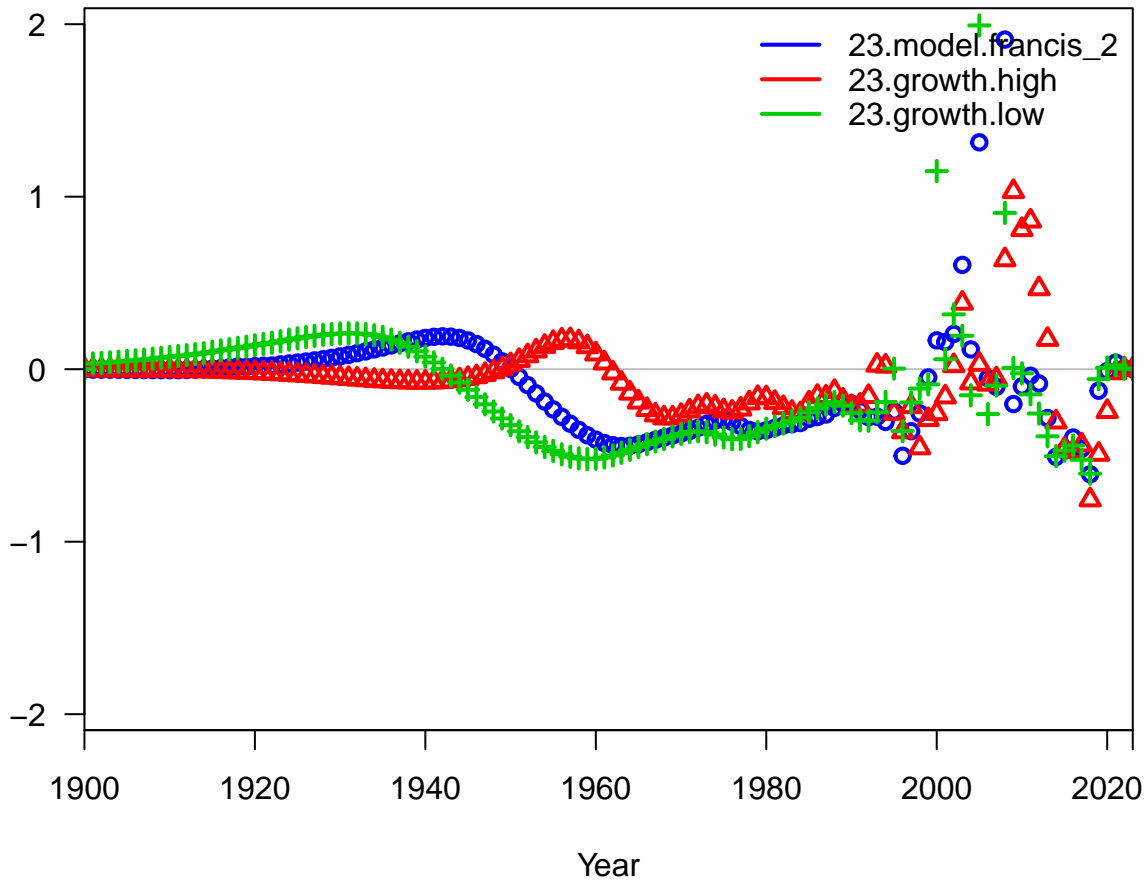








Recruitment deviations



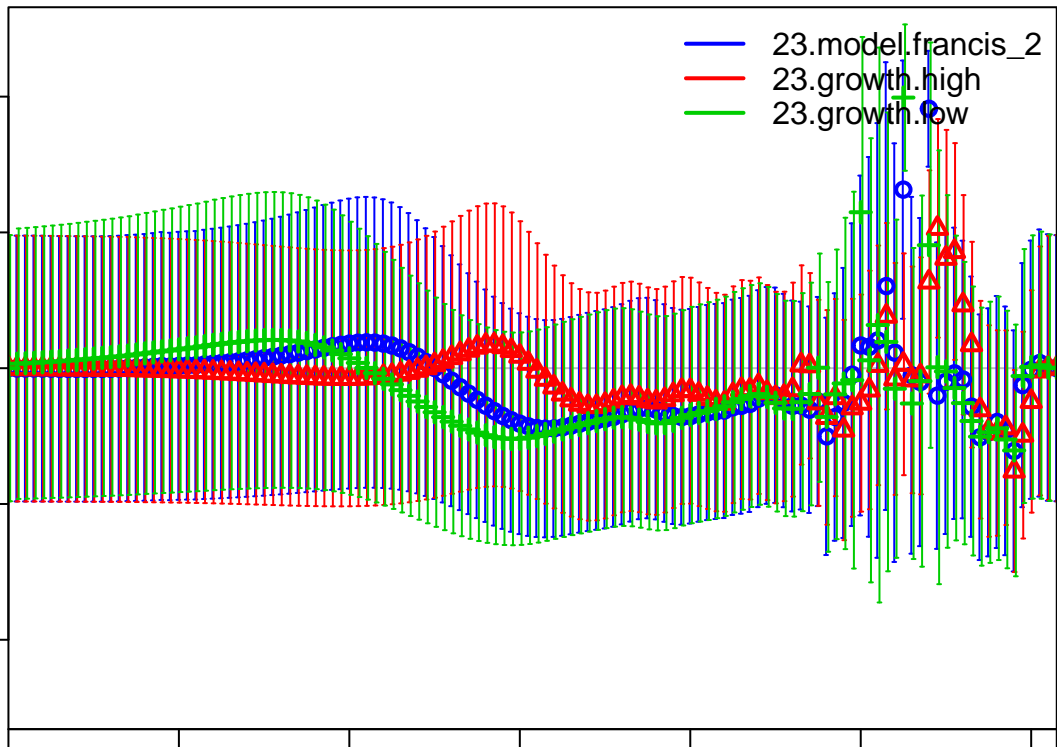
Recruitment deviations

23.model.francis\_2  
23.growth.high  
23.growth.low

2  
1  
0  
-1  
-2

1900 1920 1940 1960 1980 2000 2020

Year



Index

23.model.francis\_2  
23.growth.high  
23.growth.low

10000  
8000  
6000  
4000  
2000  
0

1980

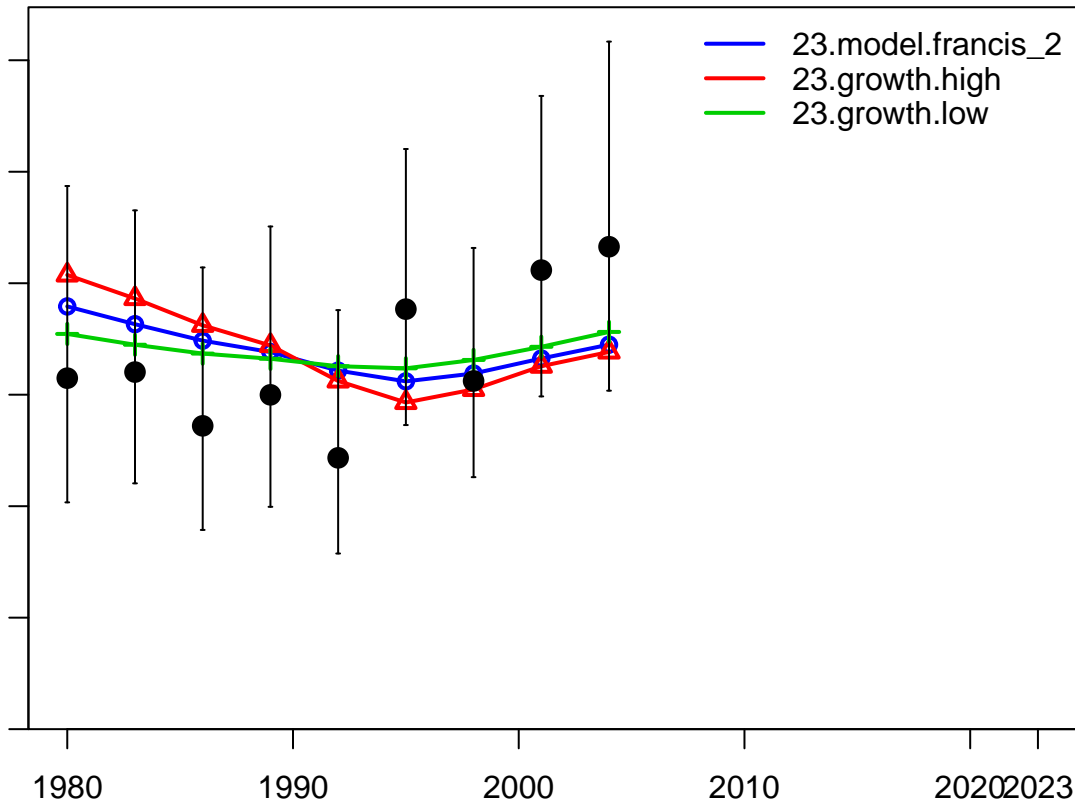
1990

2000

2010

2020 2023

Year



Index

23.model.francis\_2  
23.growth.high  
23.growth.low

80000  
60000  
40000  
20000  
0

2005

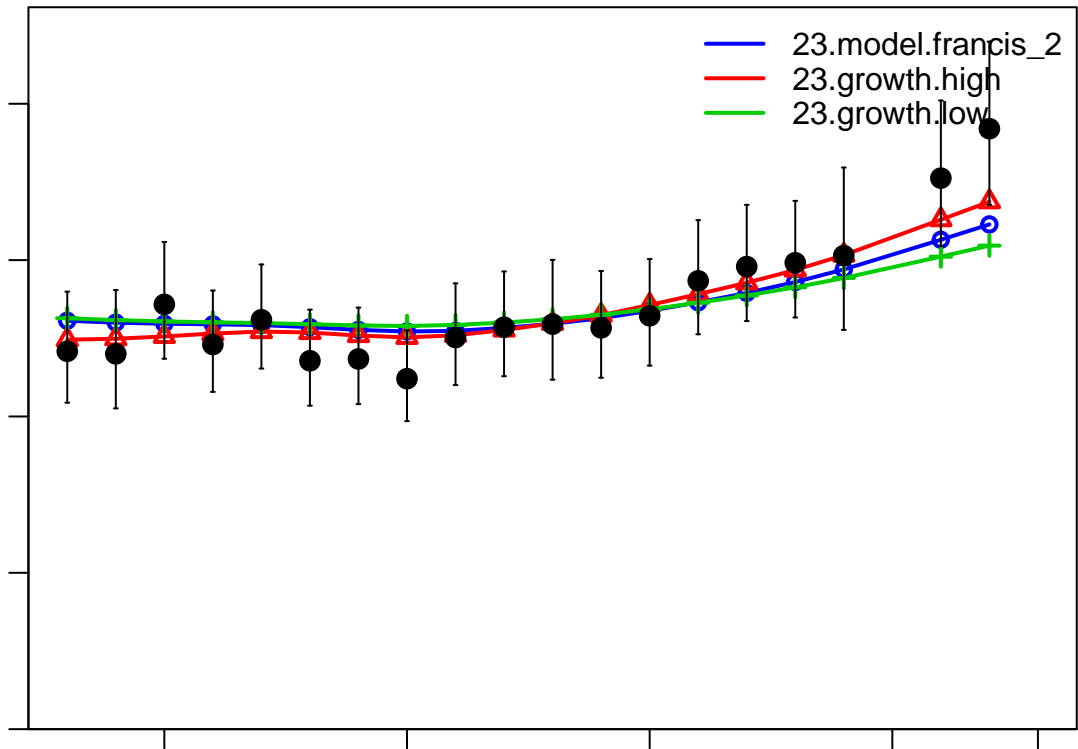
2010

2015

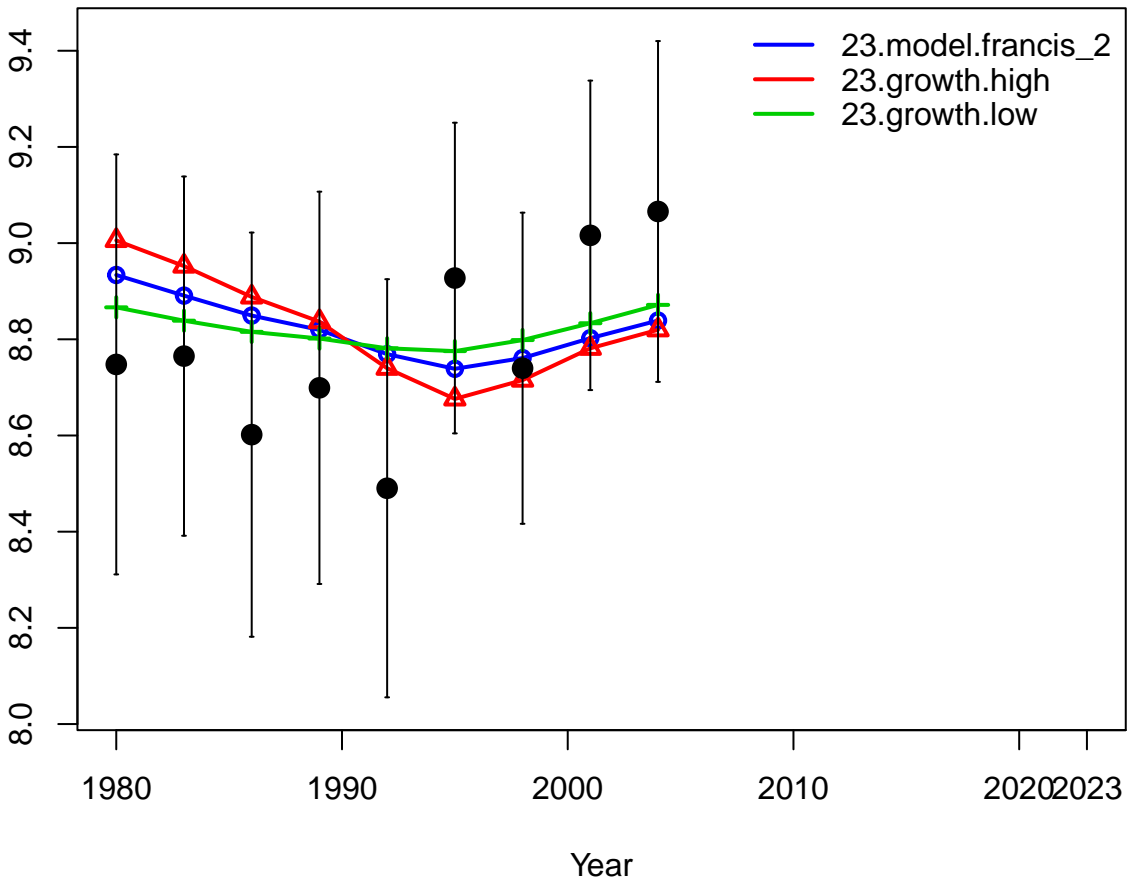
2020

2023

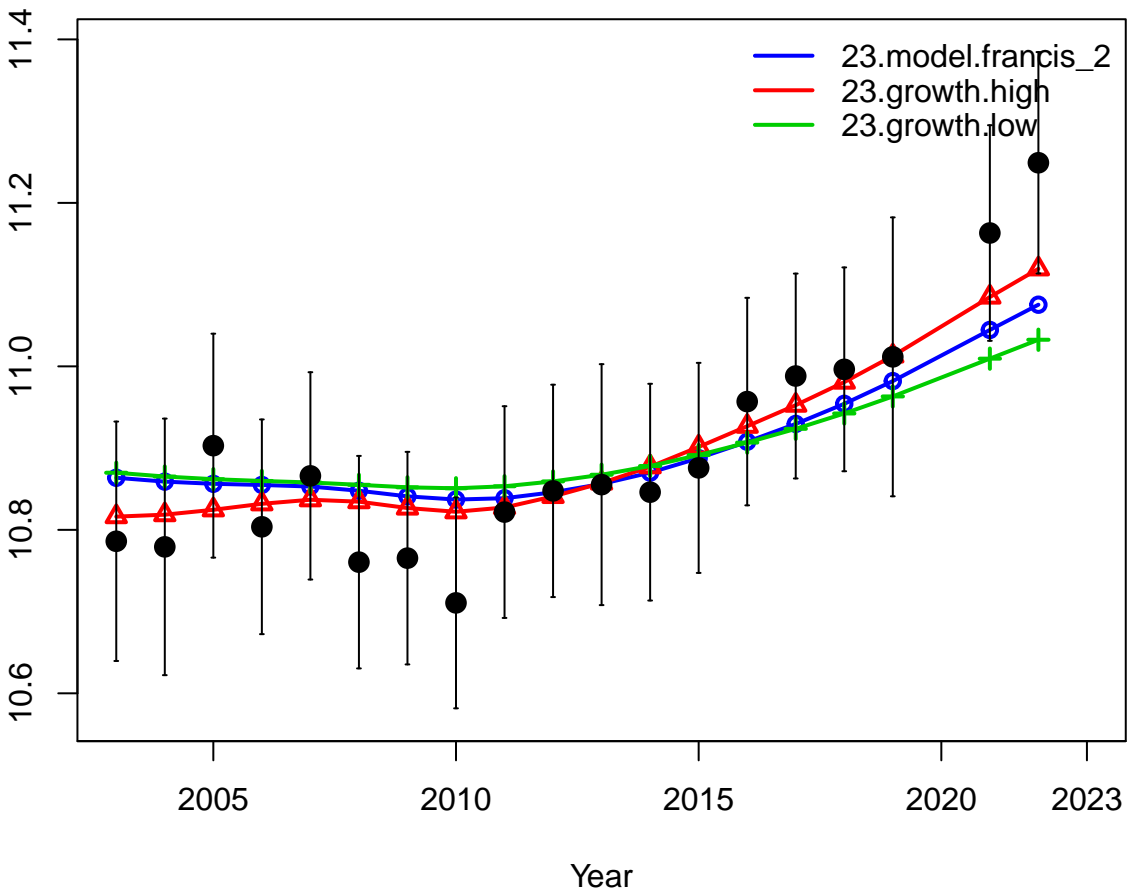
Year



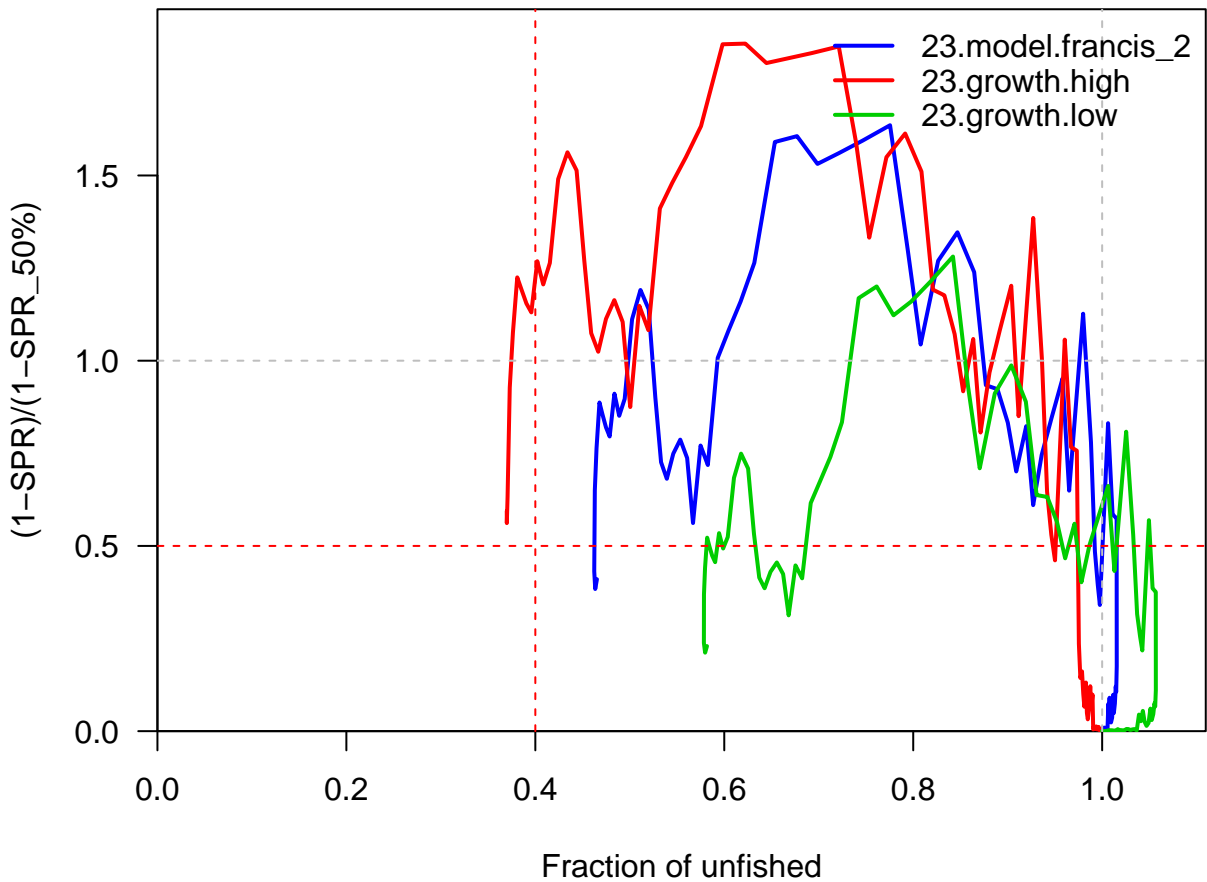
Log index



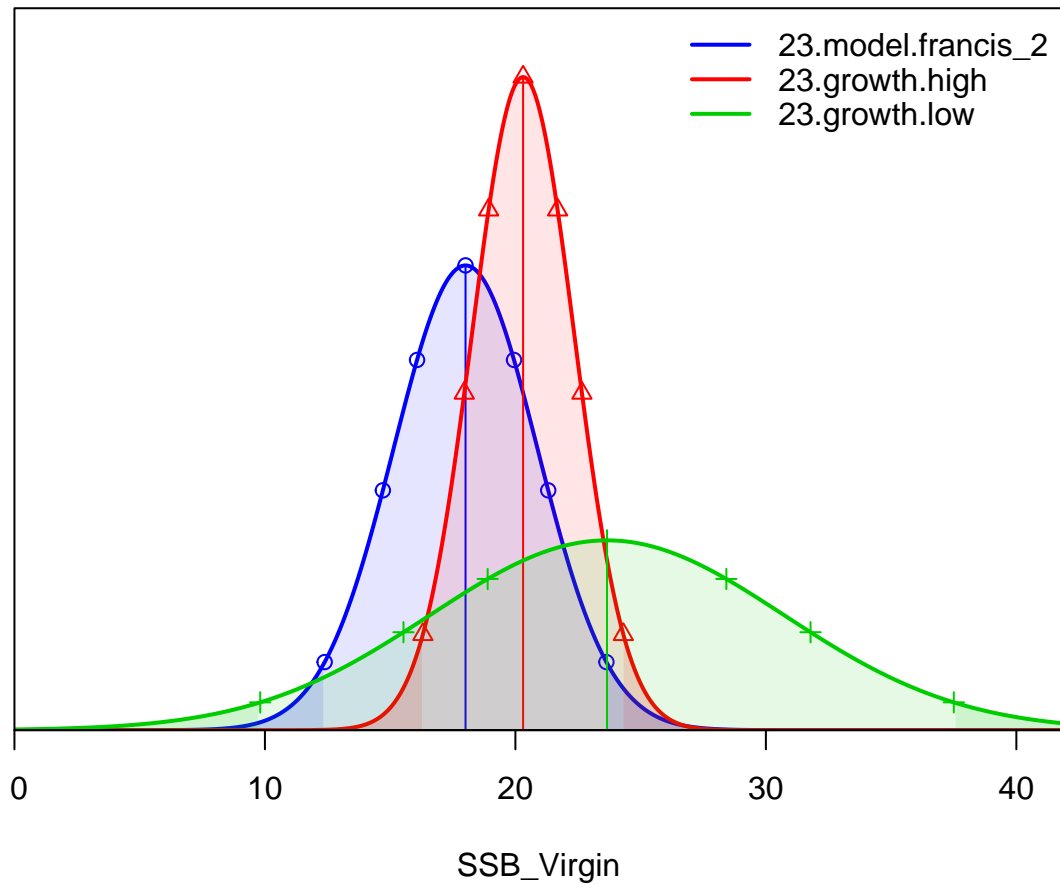
Log index



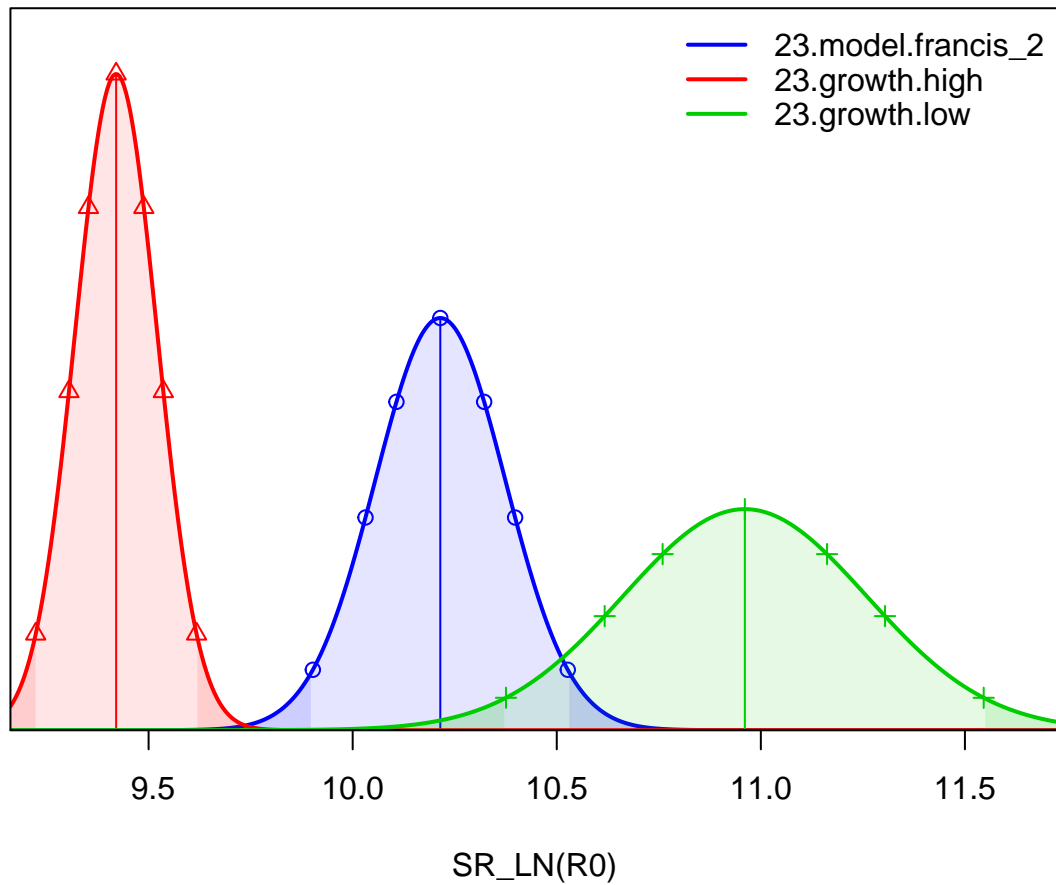




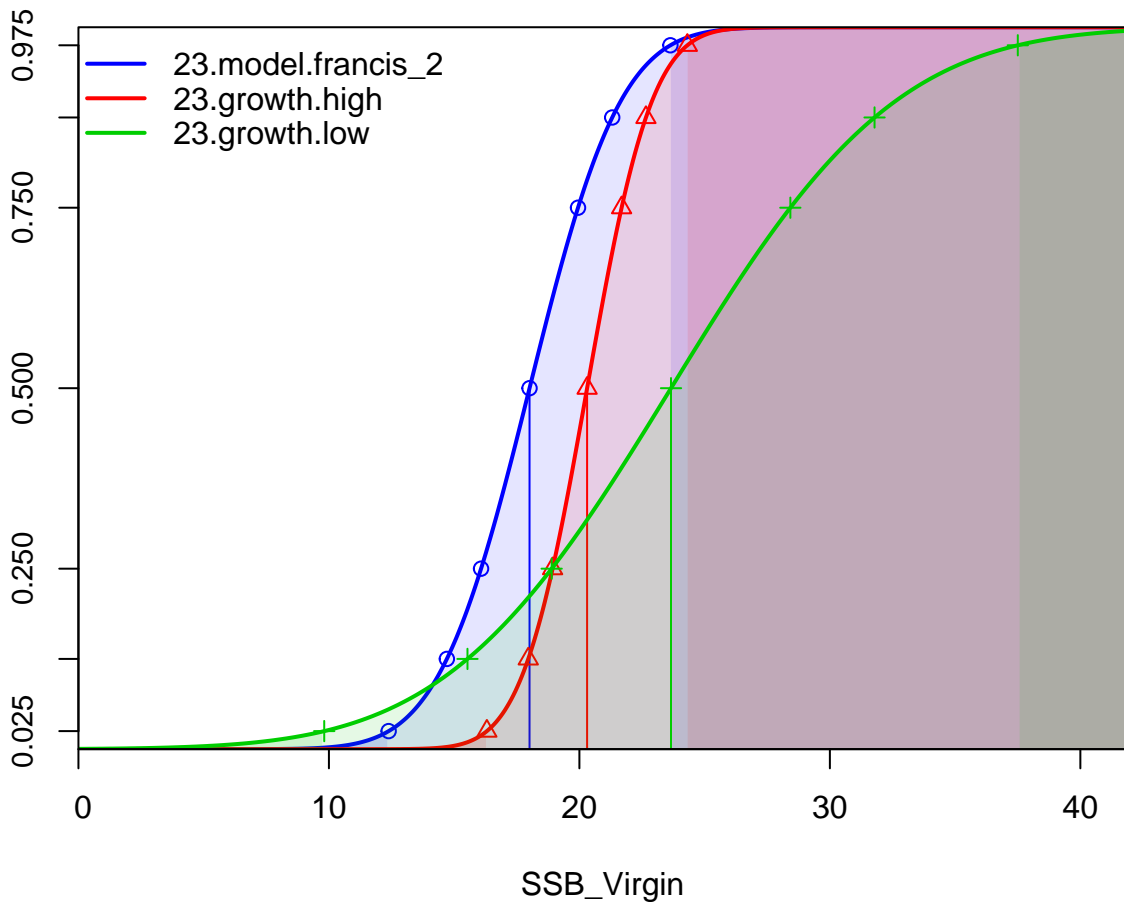
Density



Density



Cumulative Probability



Cumulative Probability

