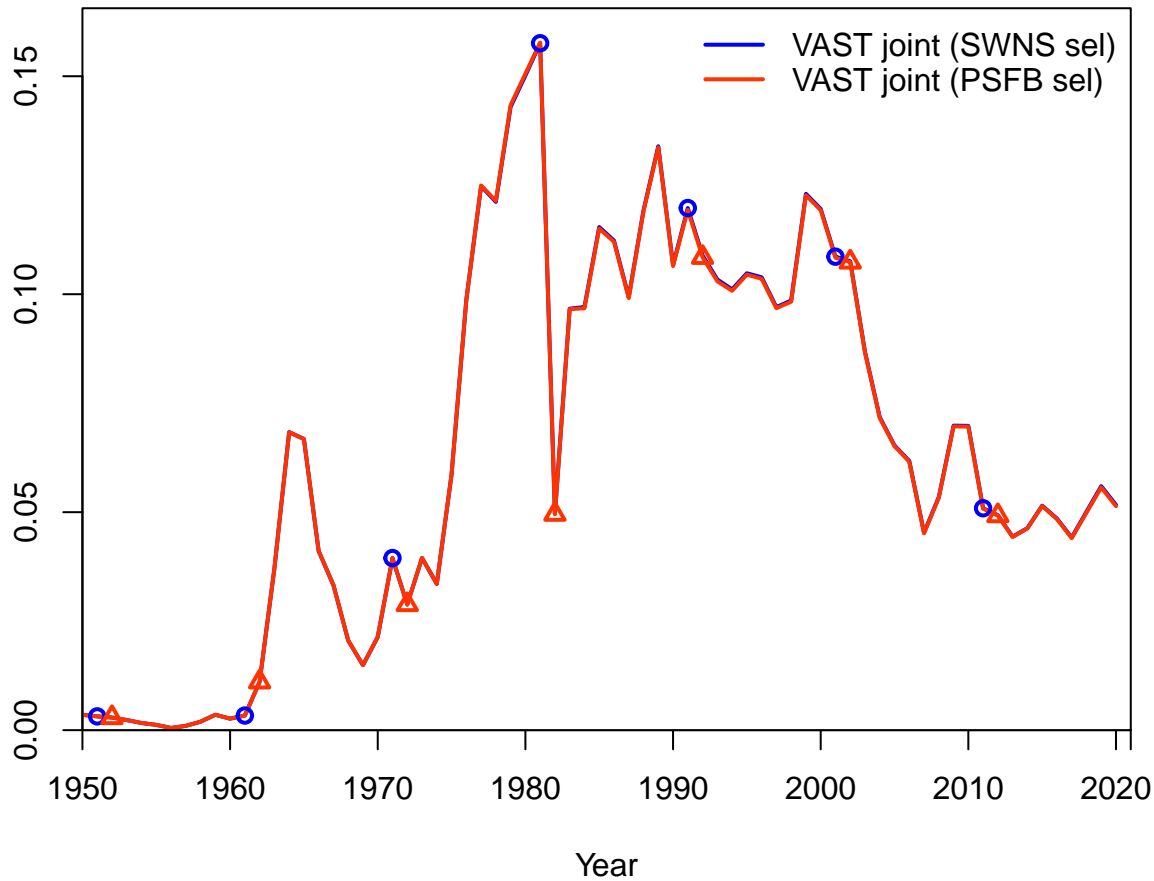
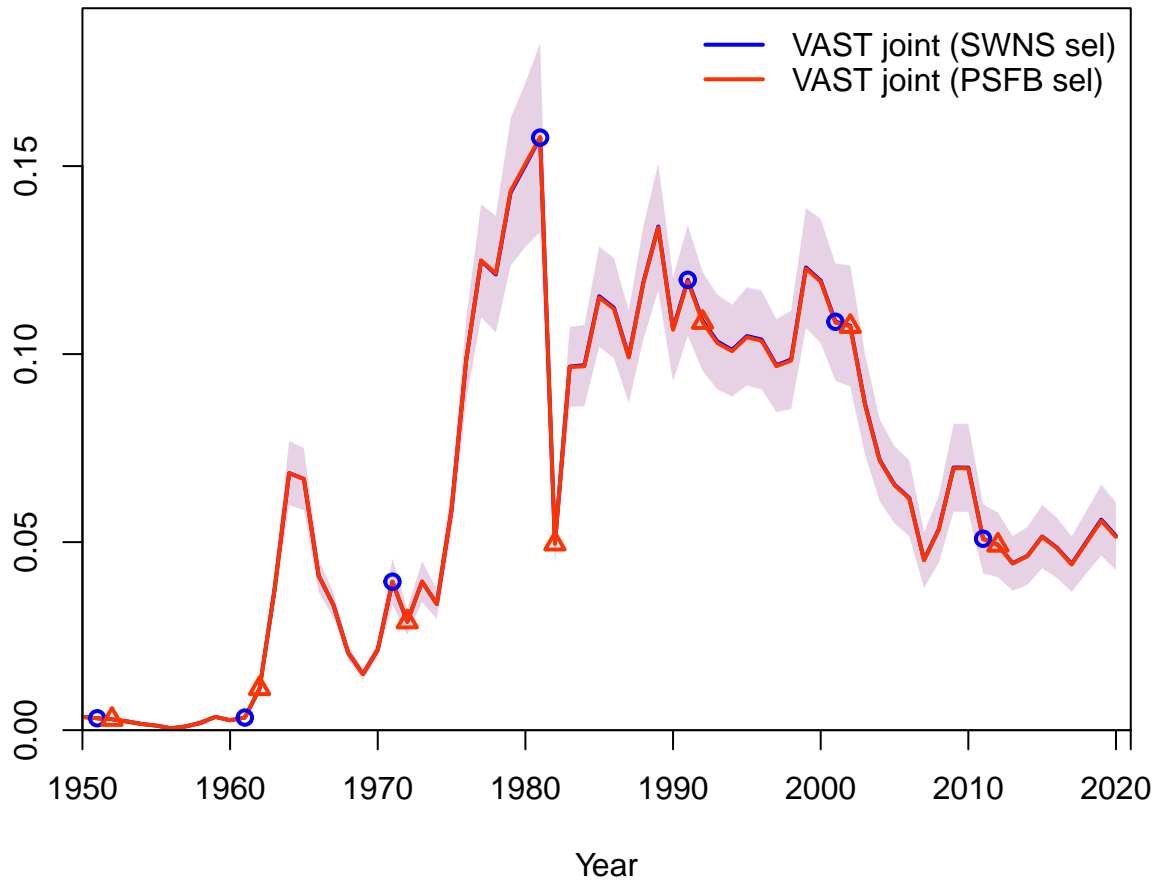


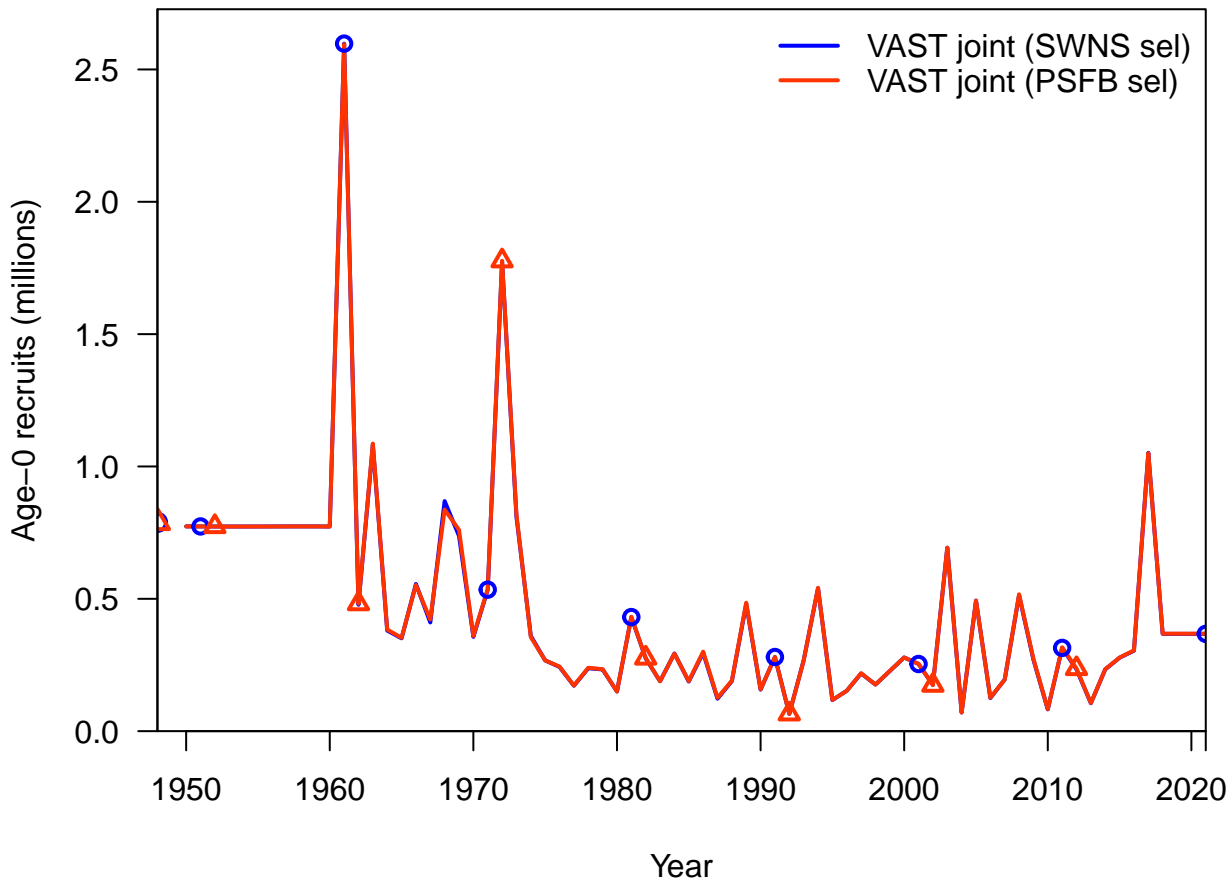


abs  $F_{\text{r}}$  with  $F=Z-M$ ; for ages 10-20

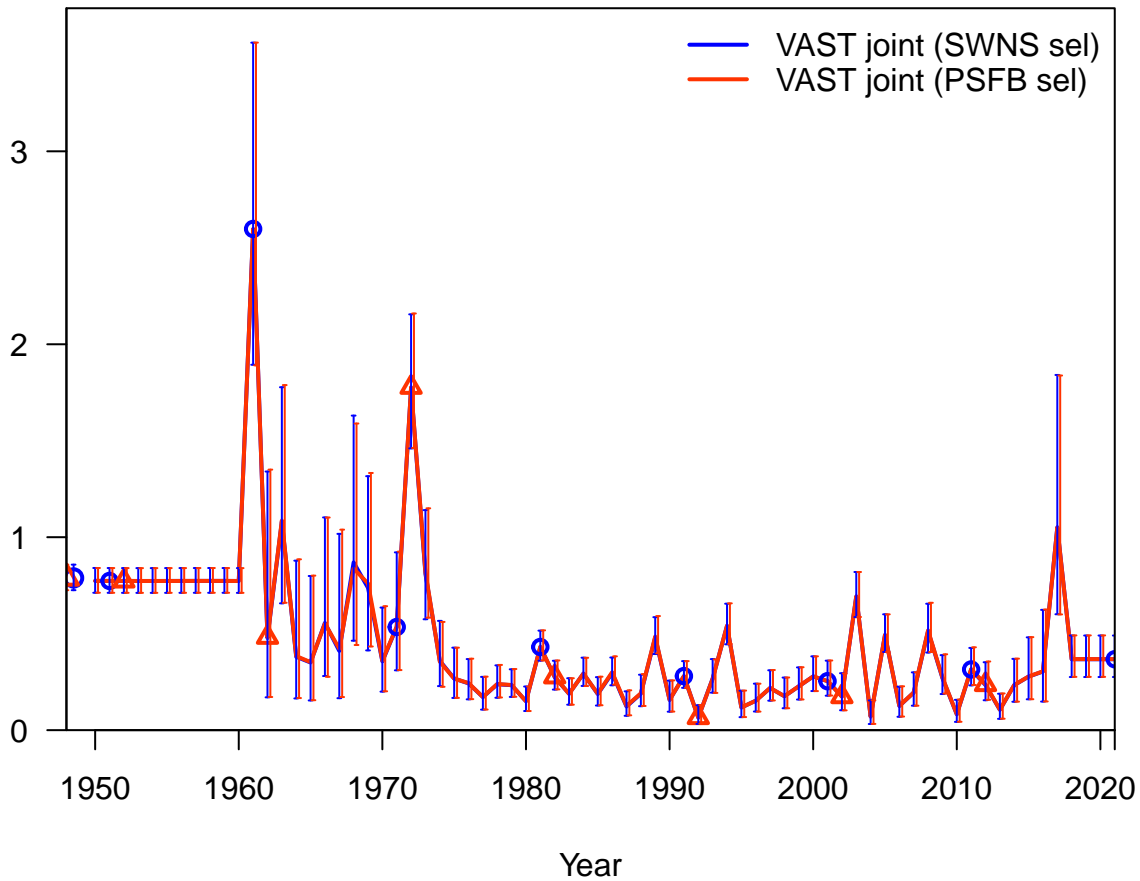


abs  $F^-$ , with  $F=Z-M$ ; for ages 10-20

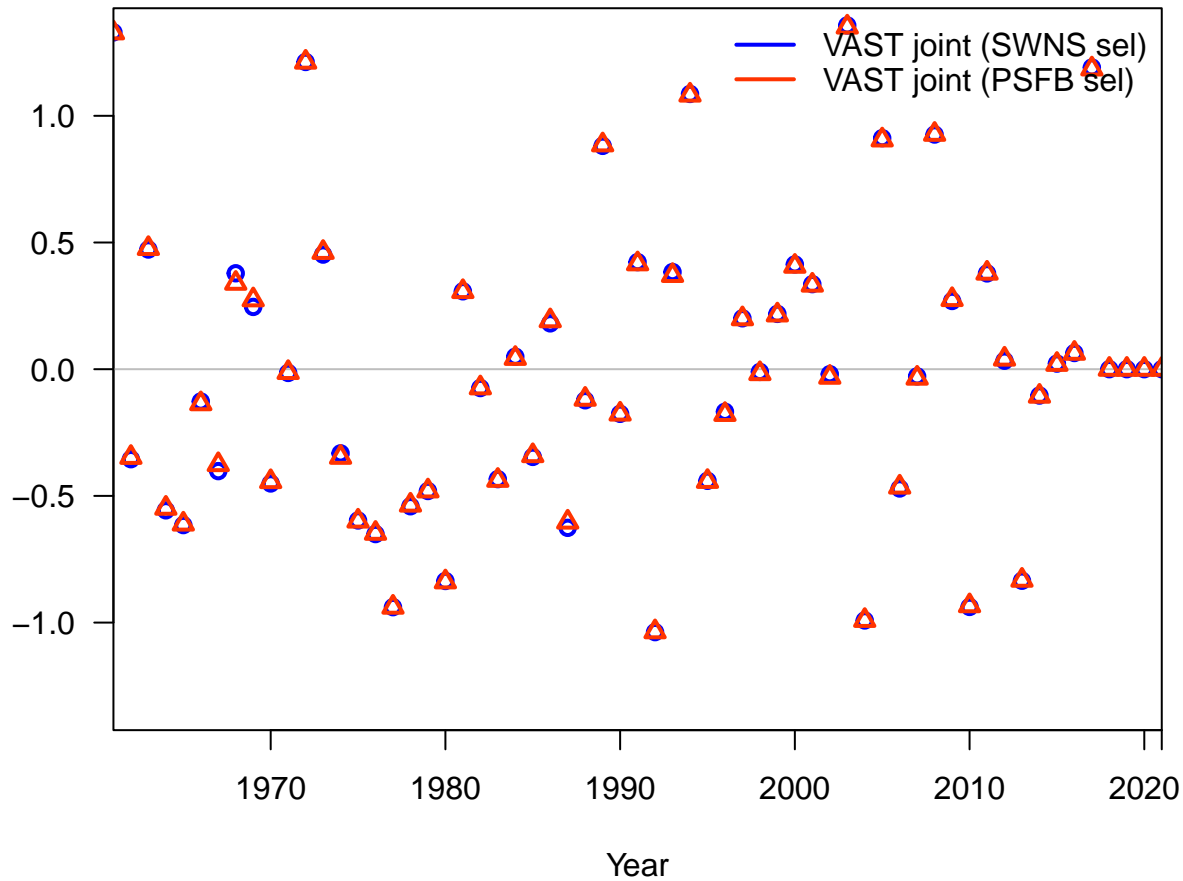


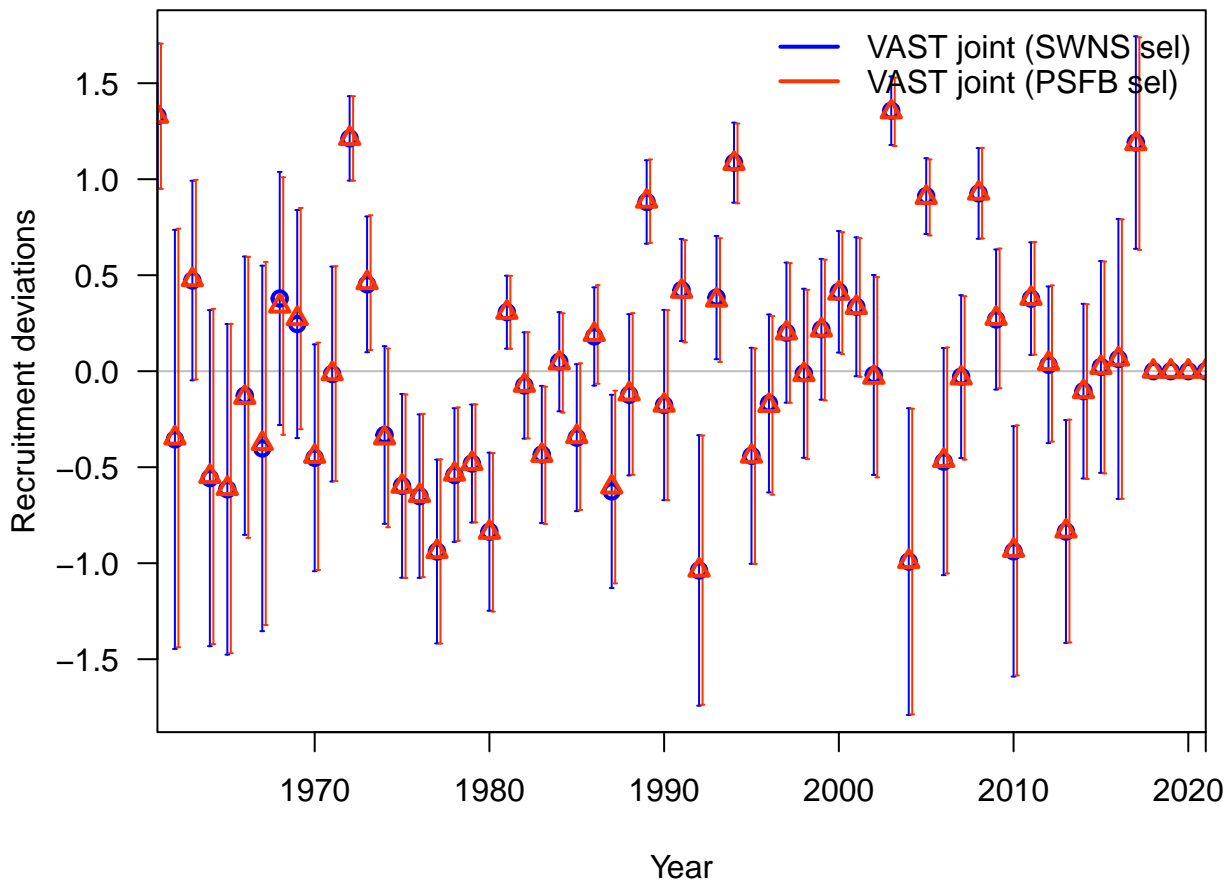


Age-0 recruits (millions)



Recruitment deviations





Index

VAST joint (SWNS sel)  
VAST joint (PSFB sel)

30000  
20000  
10000  
0

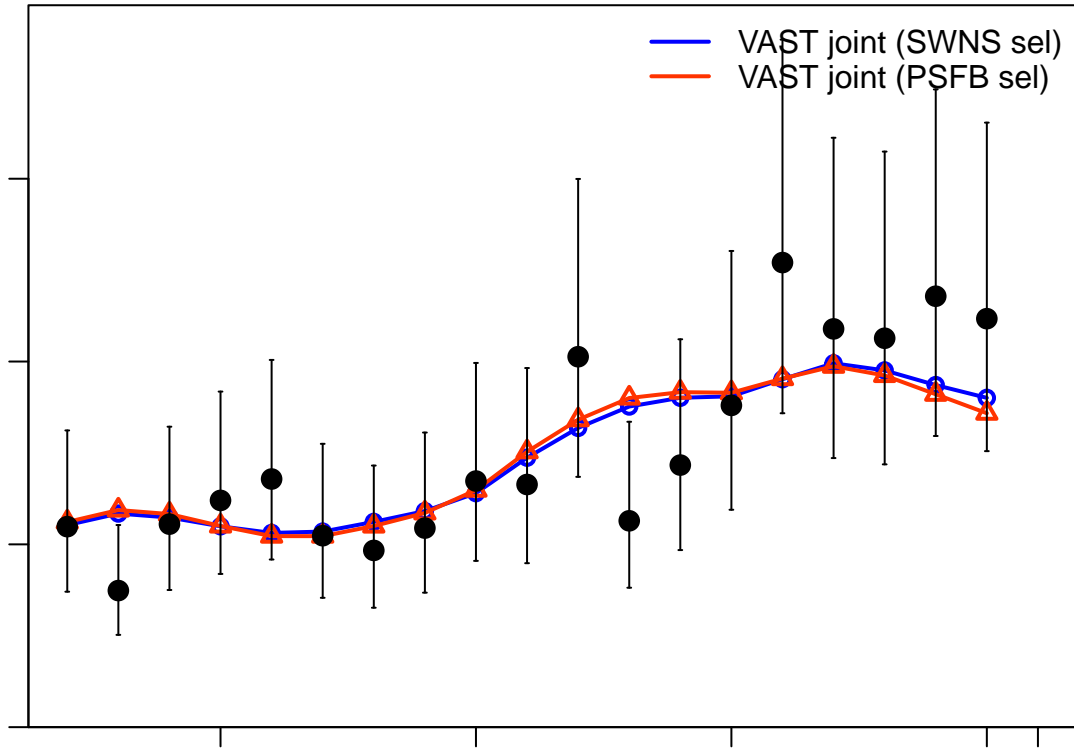
2005

2010

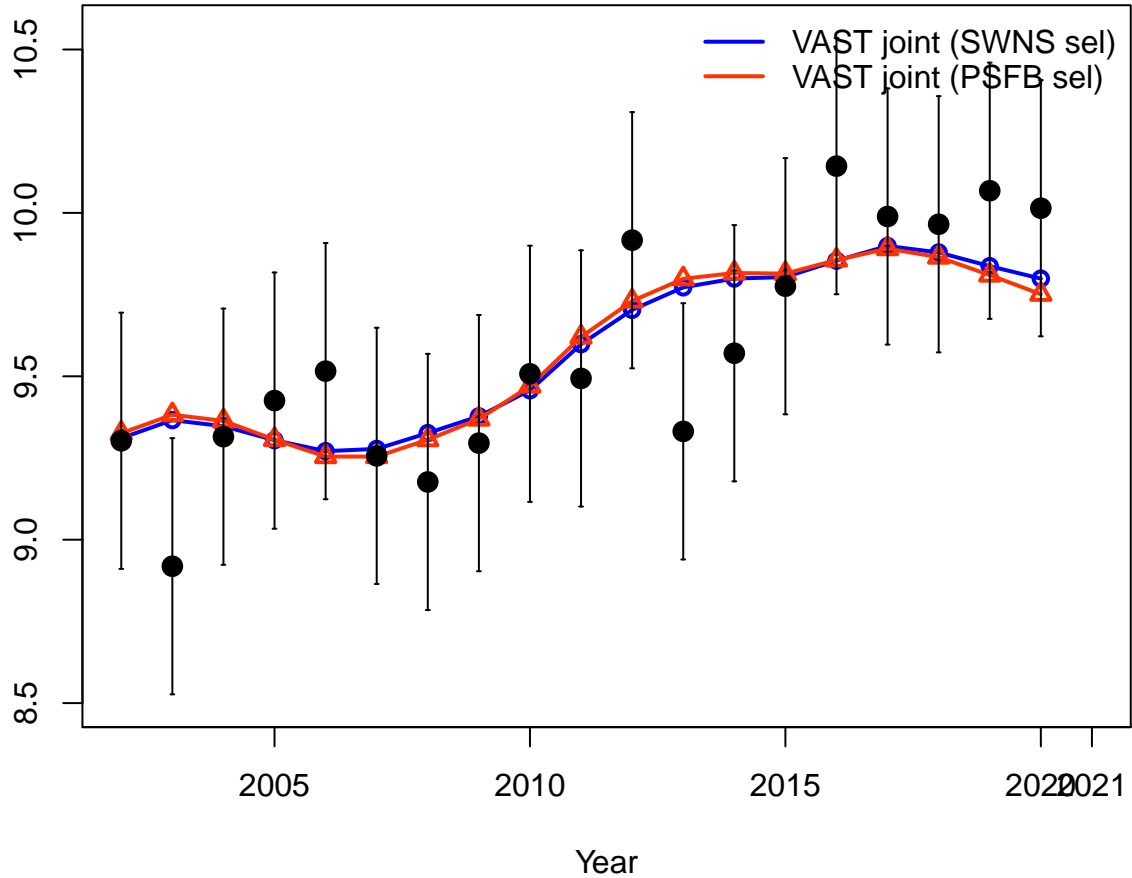
2015

2020 2021

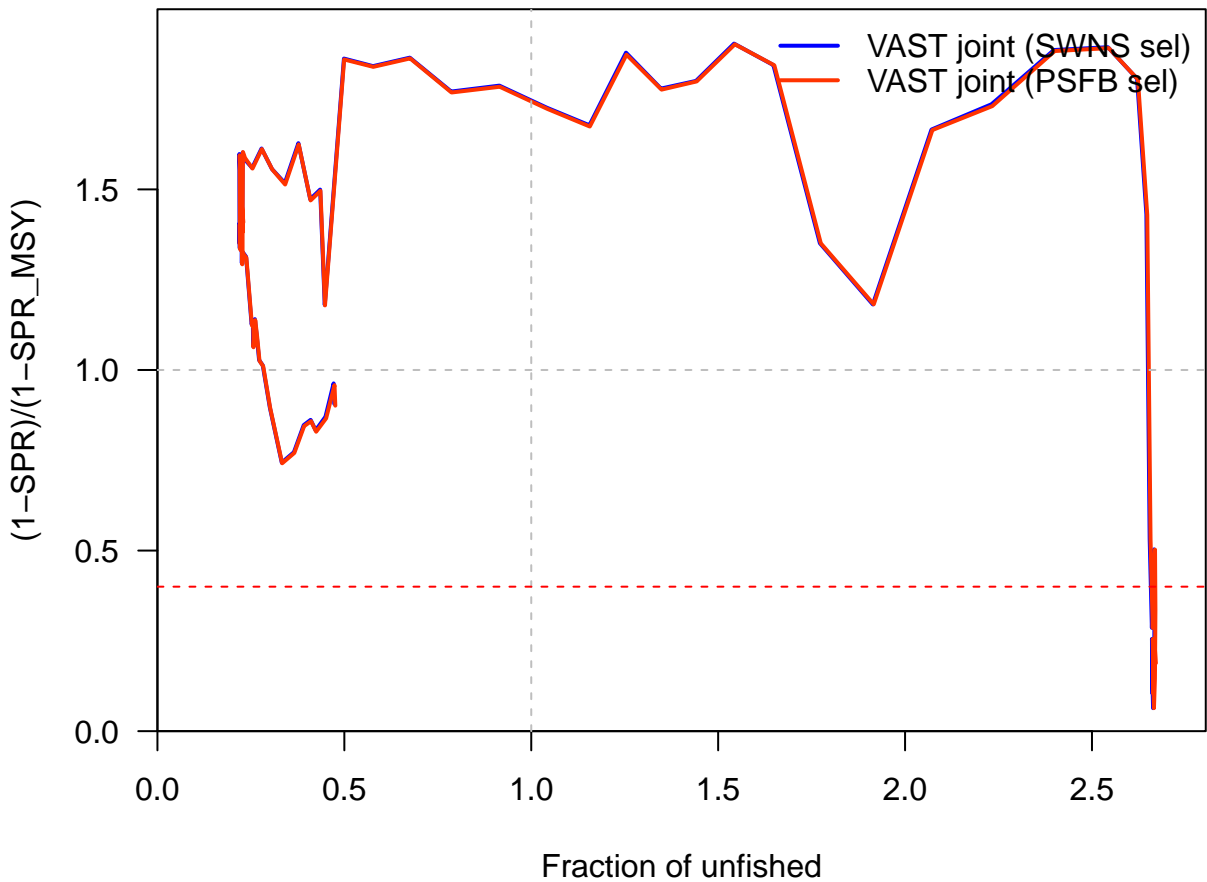
Year



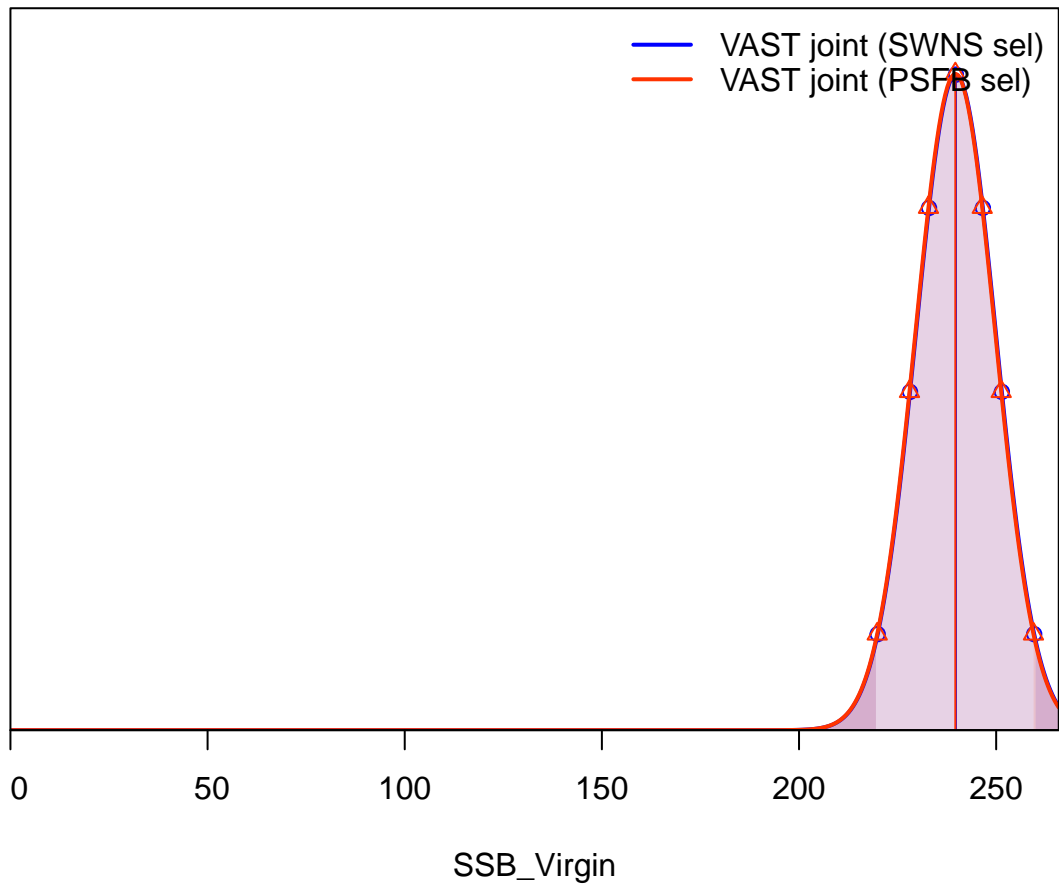
Log index



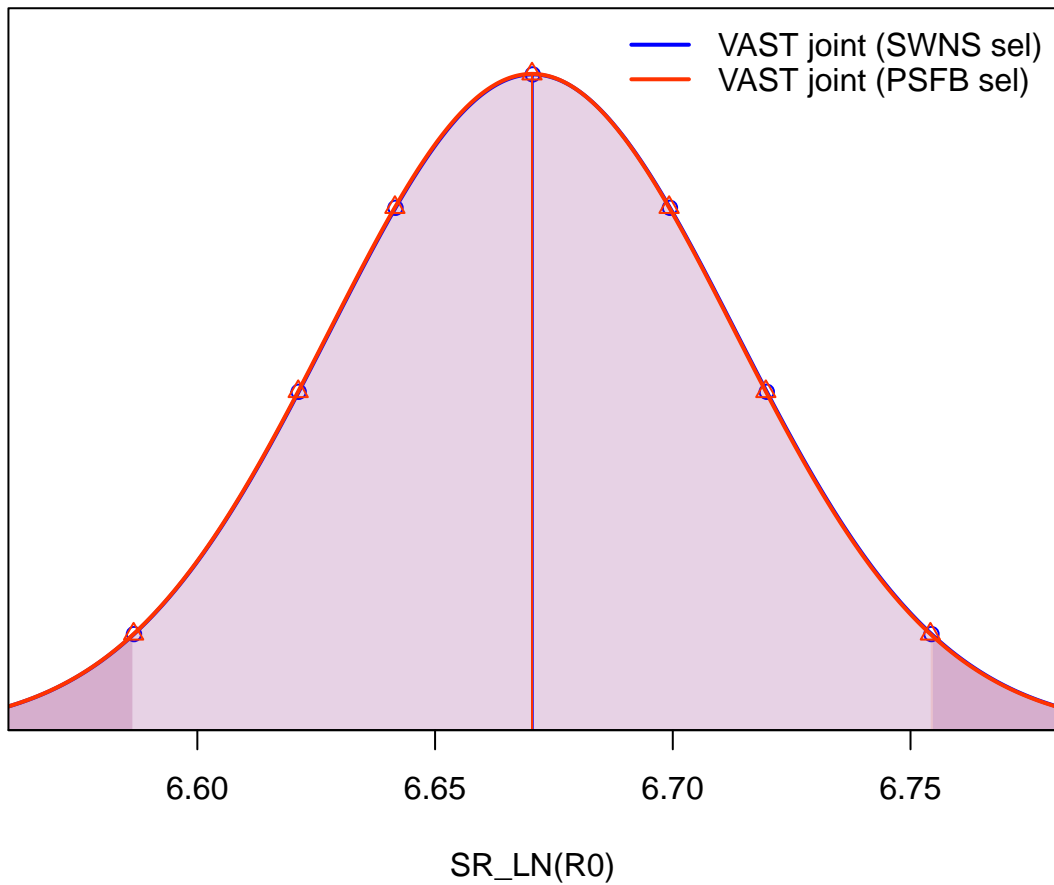




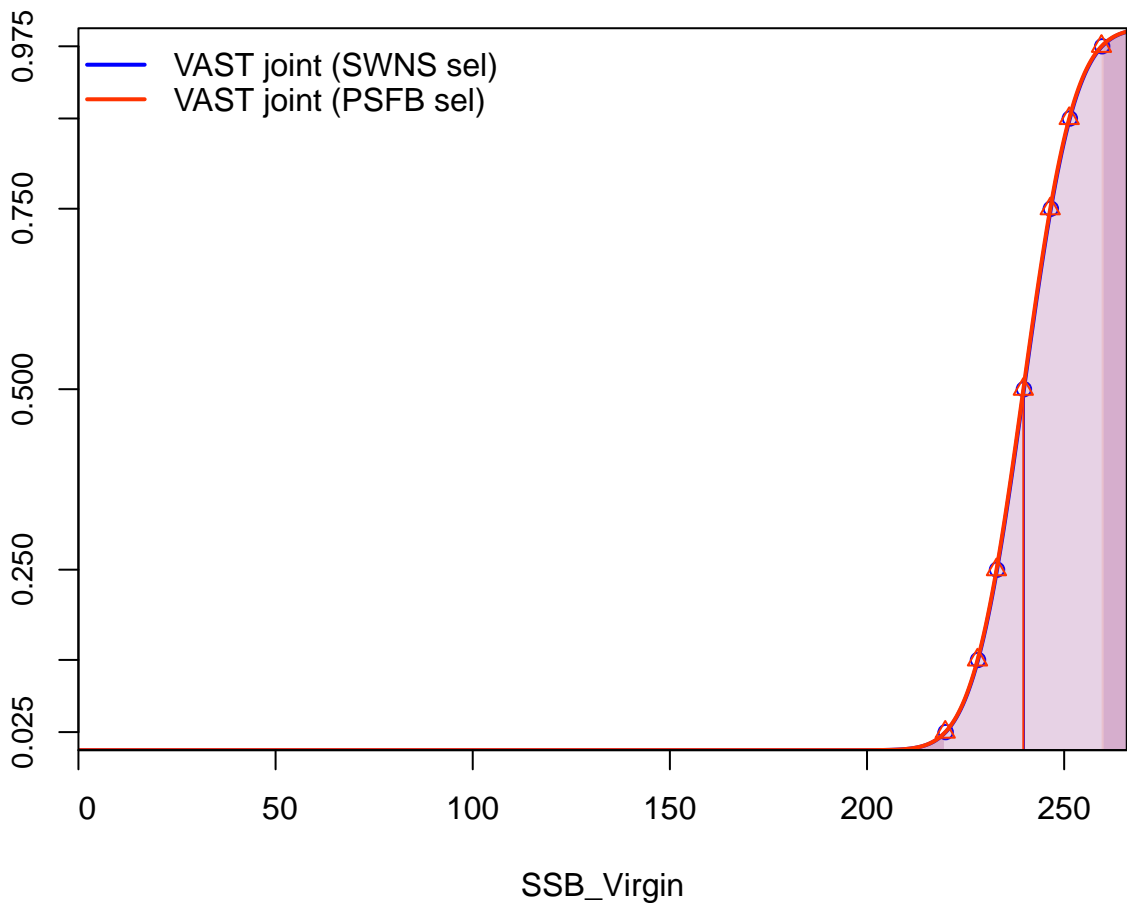
Density



Density



Cumulative Probability



Cumulative Probability

