

Plots created using the 'r4ss' package in R

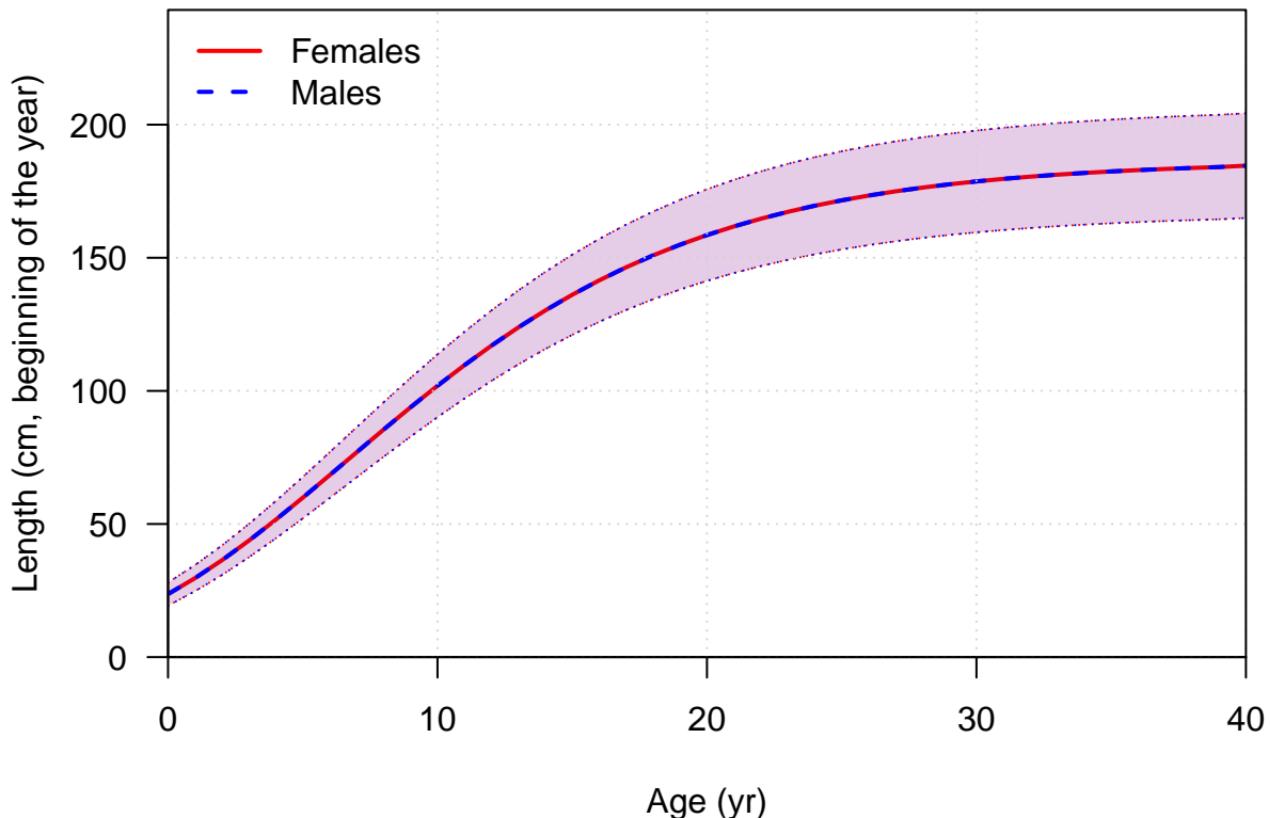
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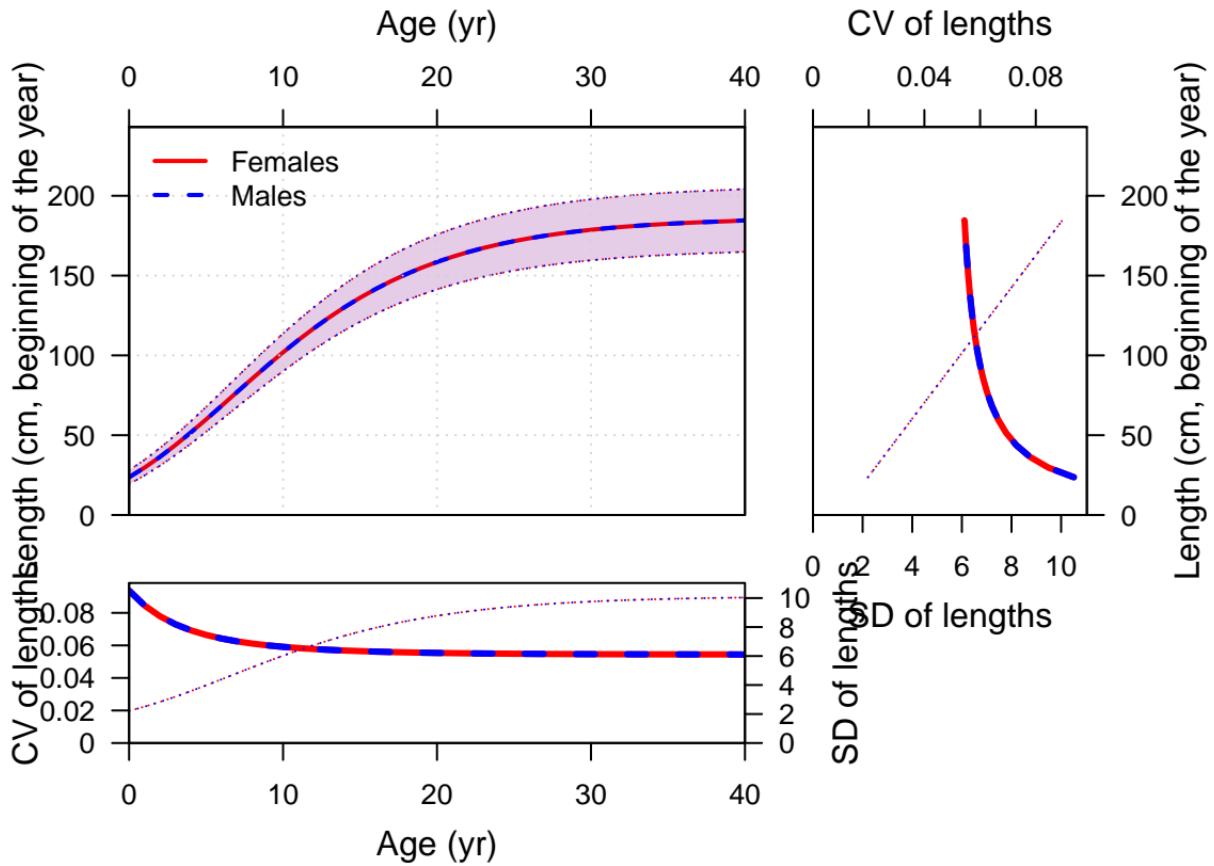
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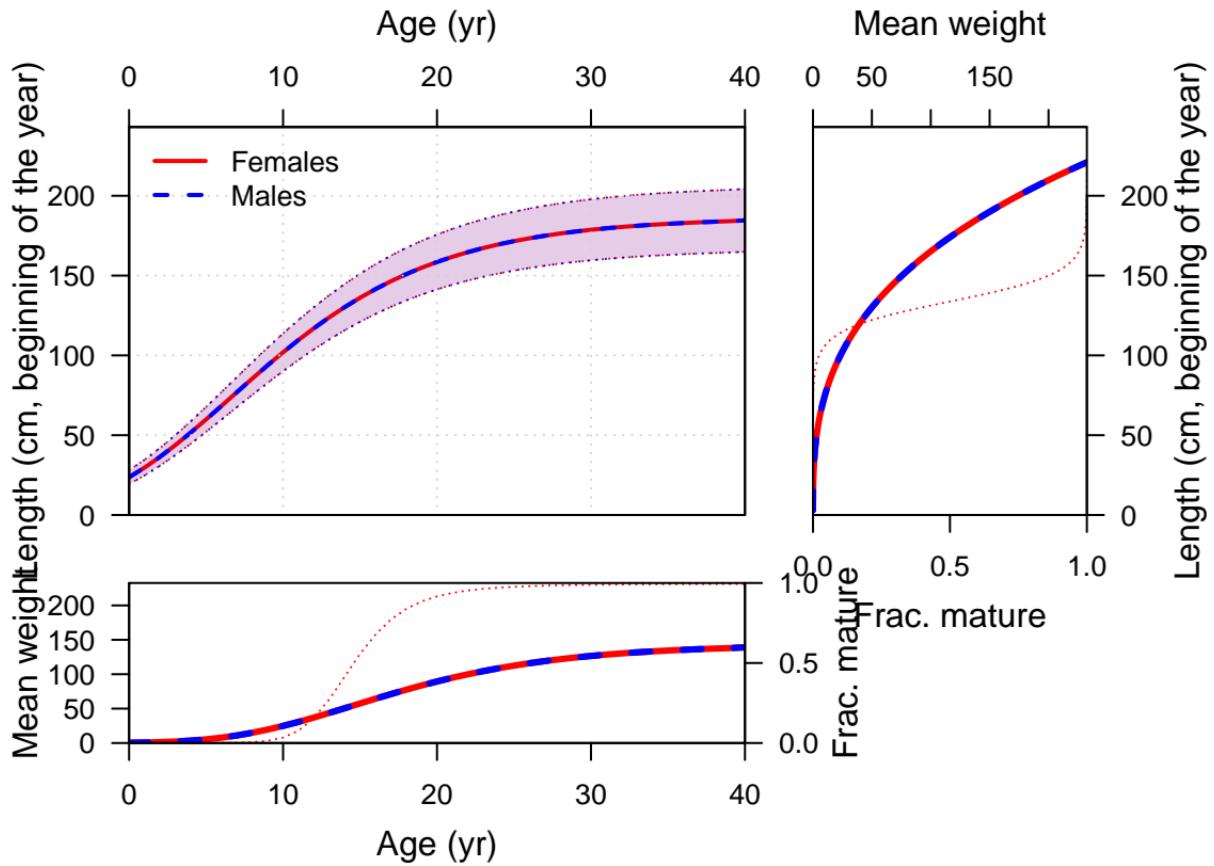
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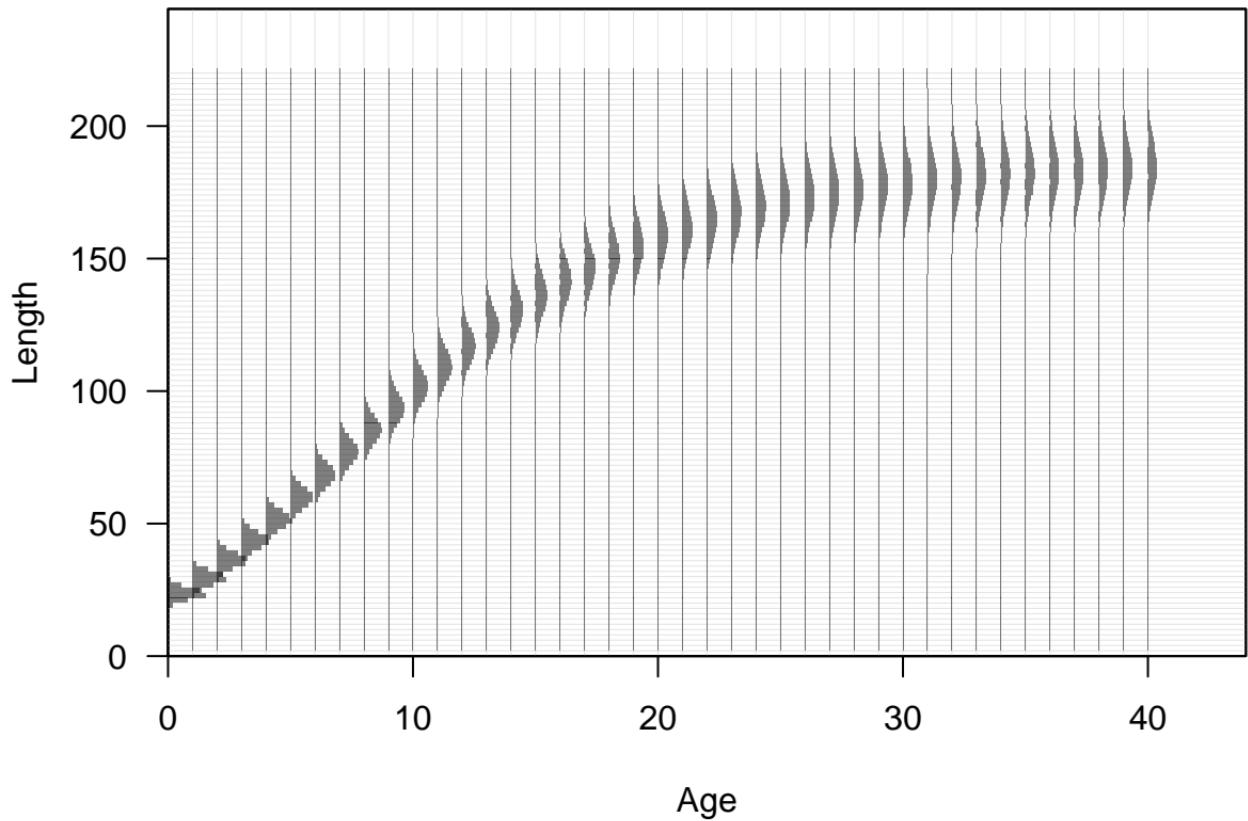
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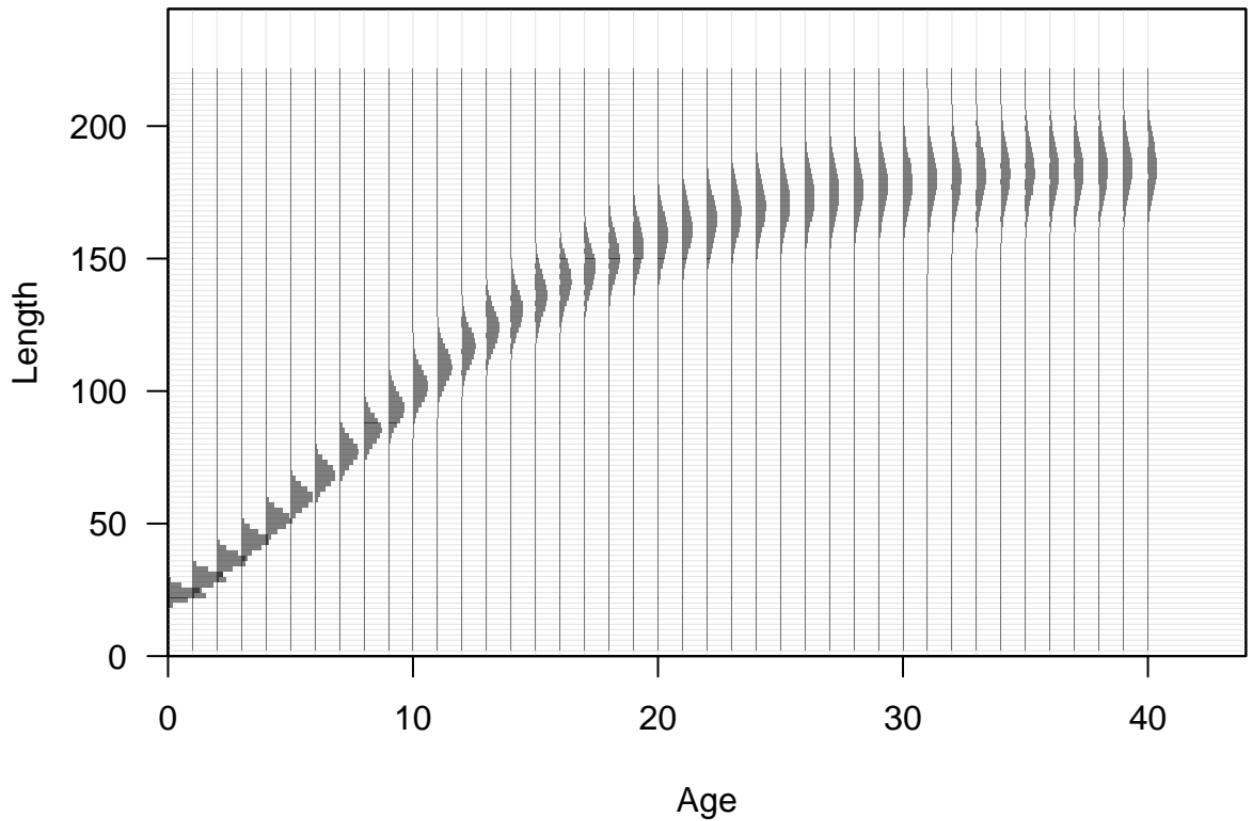
## Ending year expected growth (with 95% intervals)

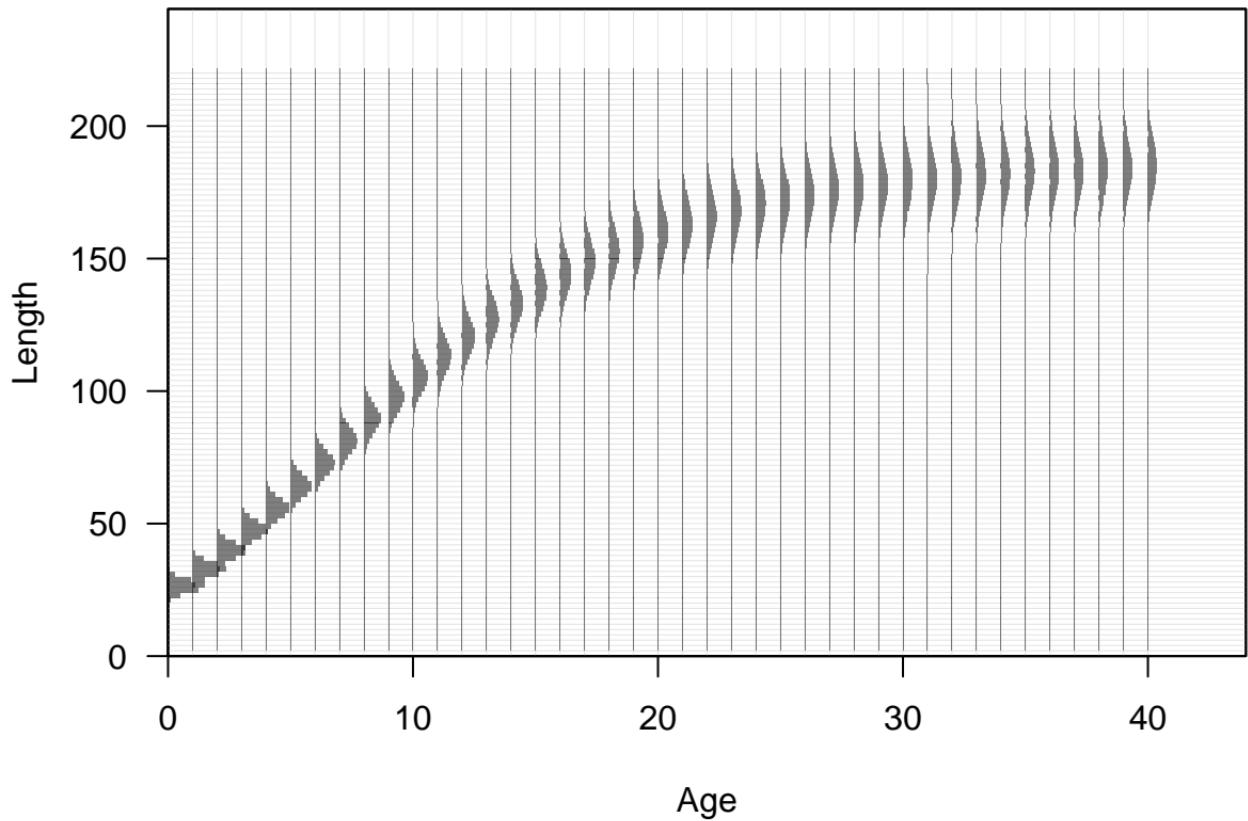


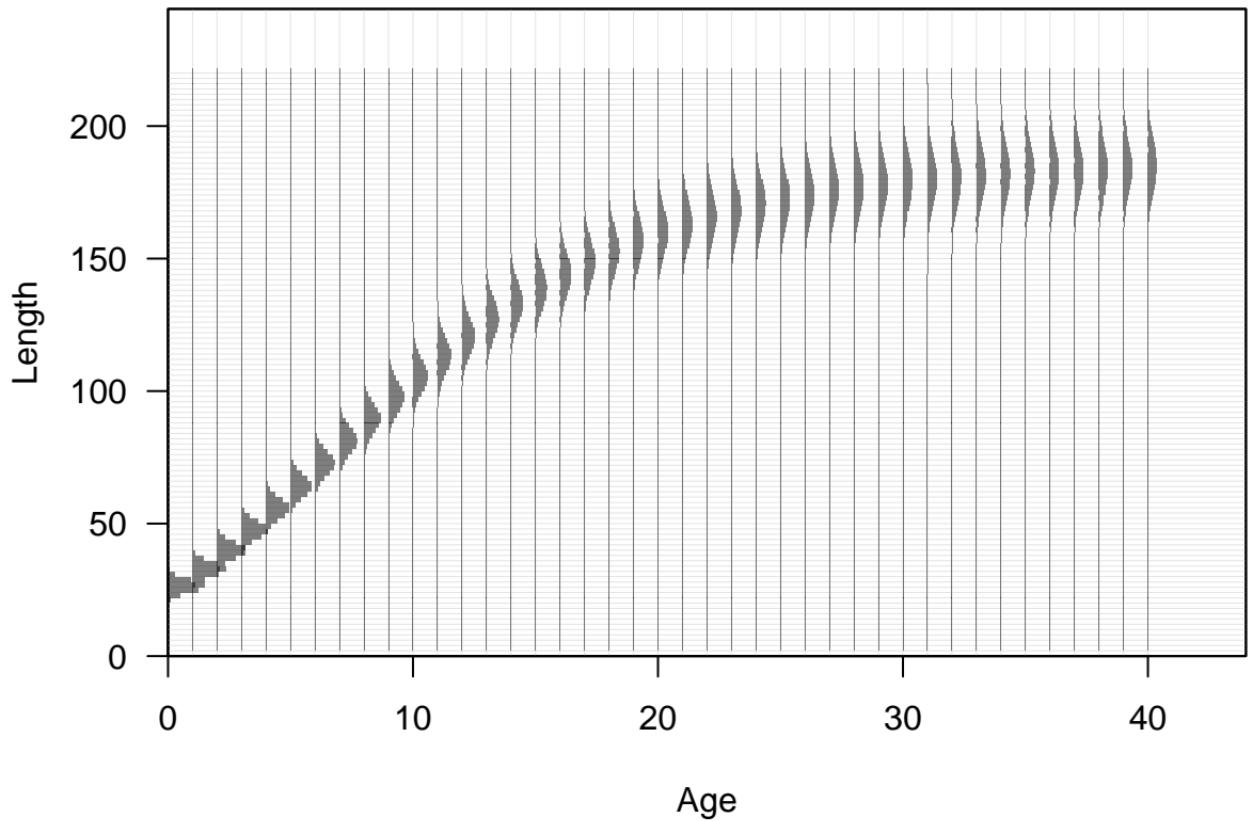


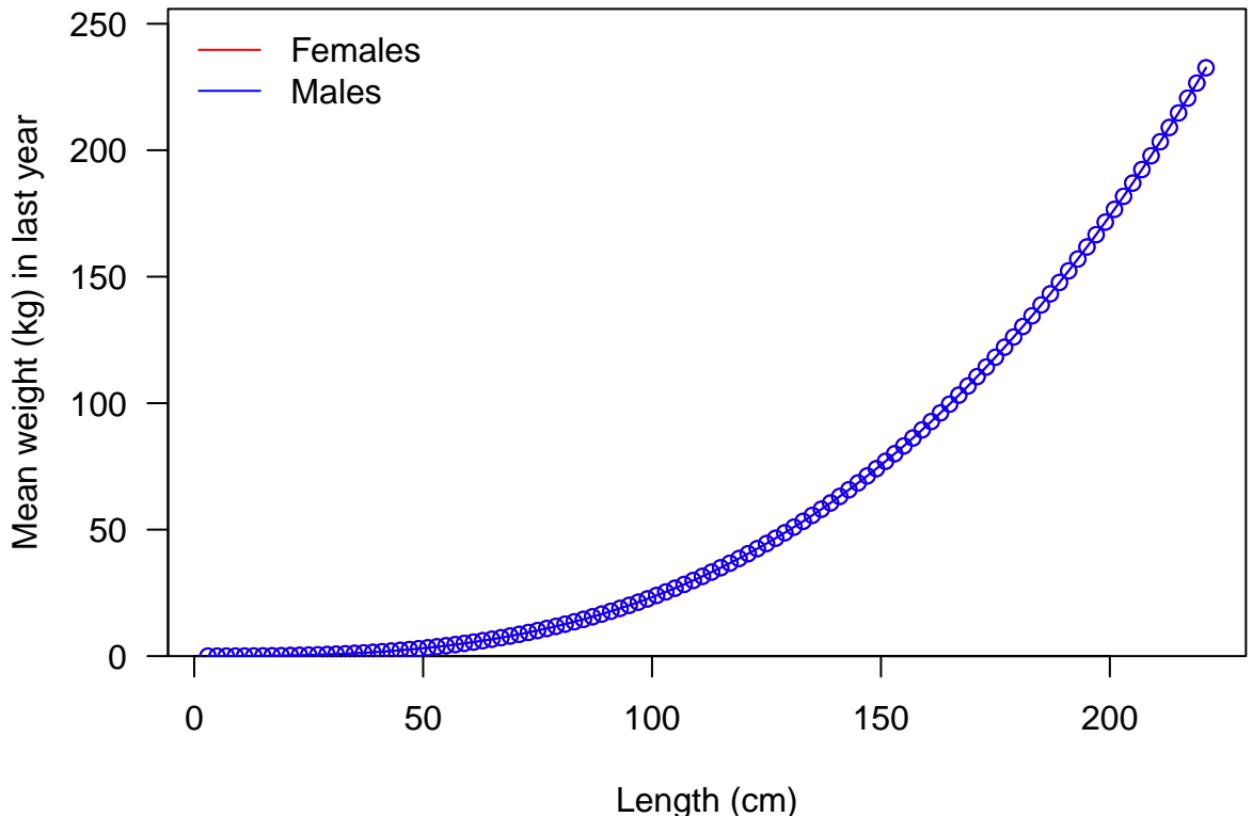


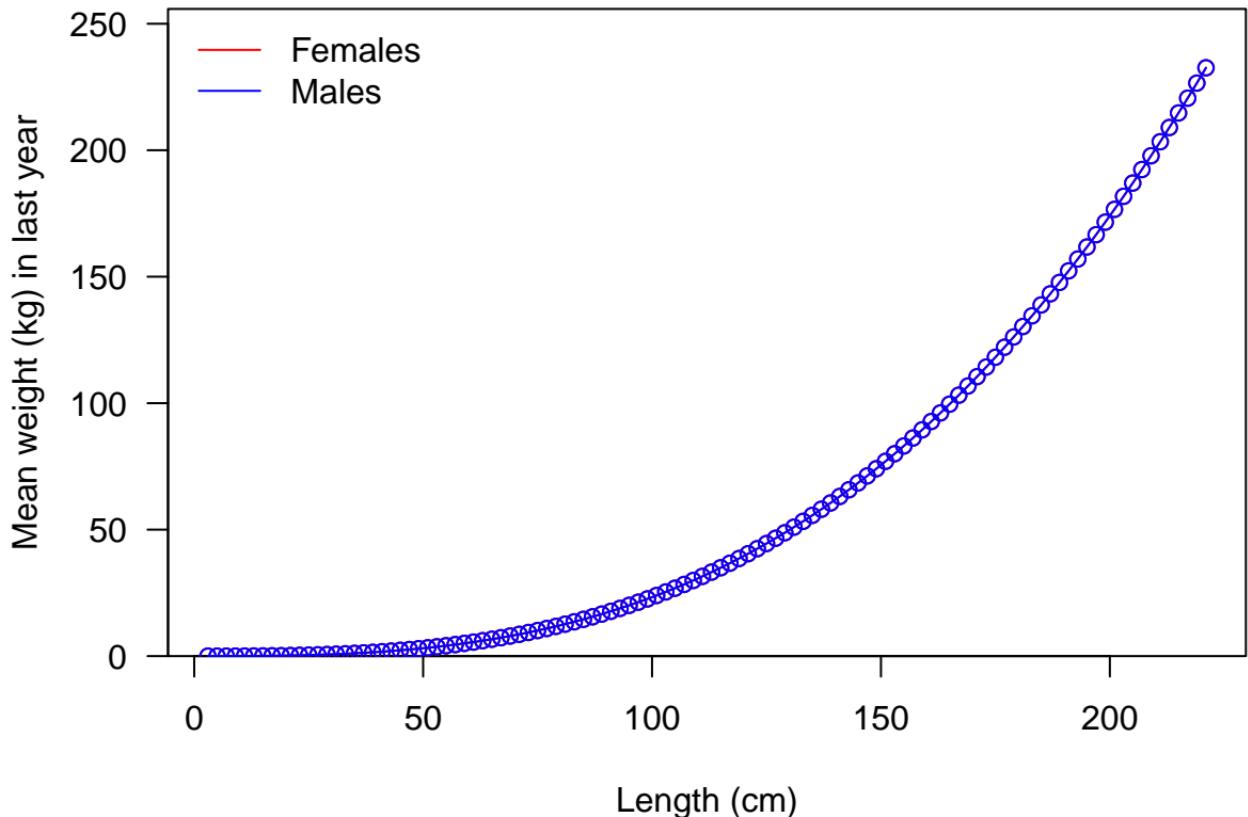


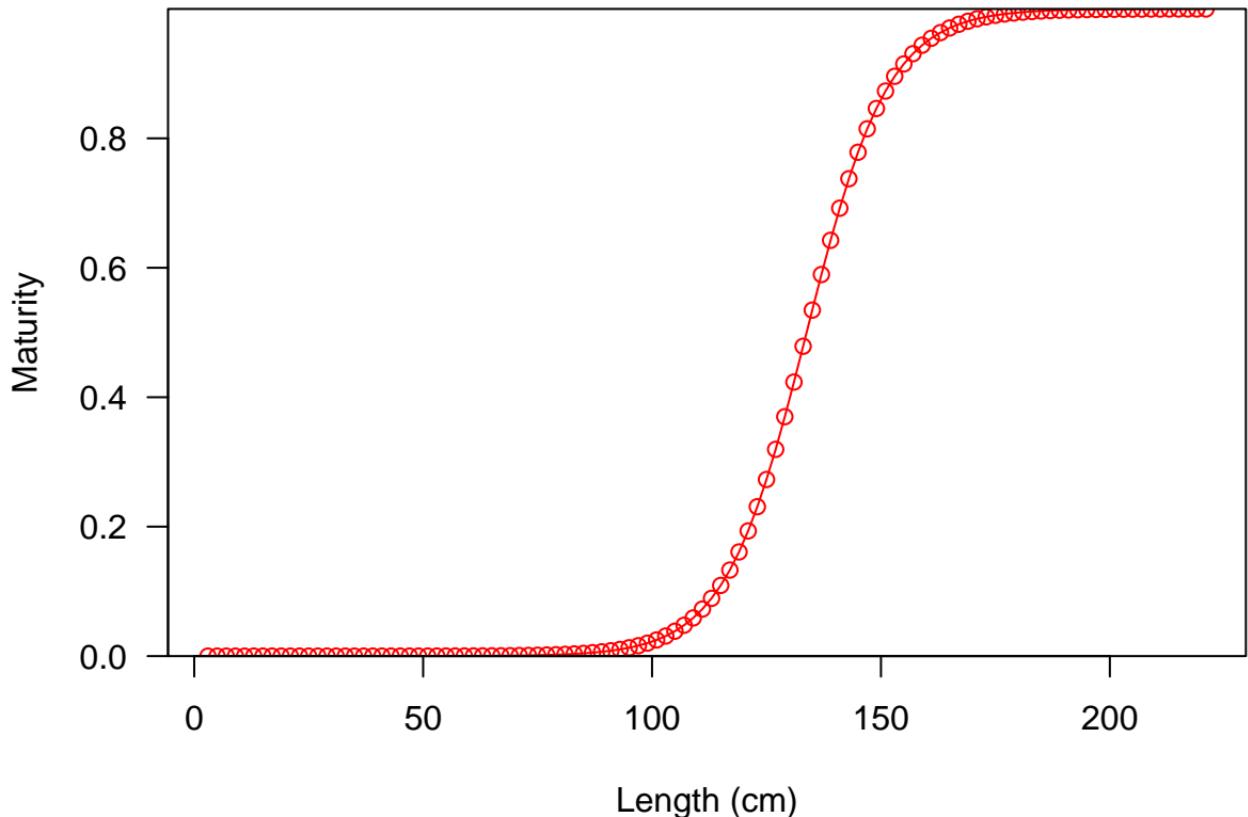


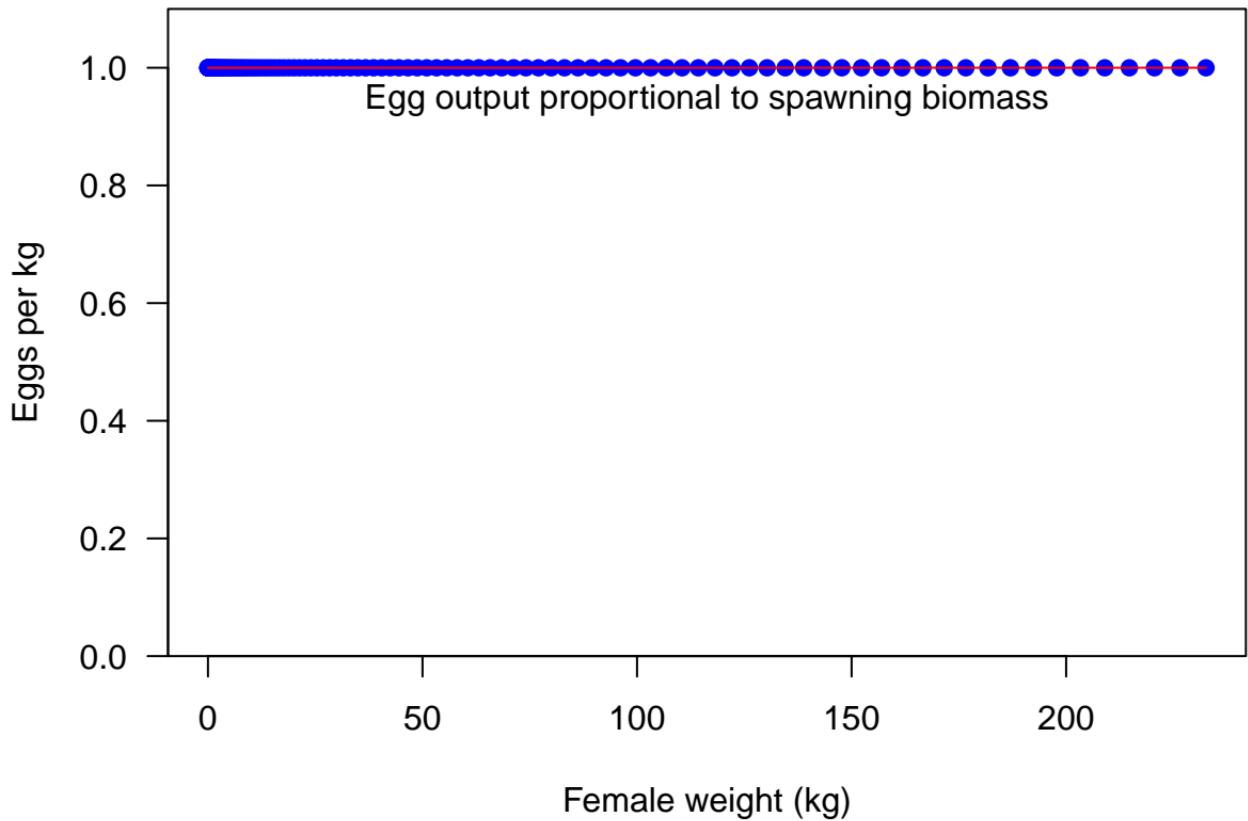


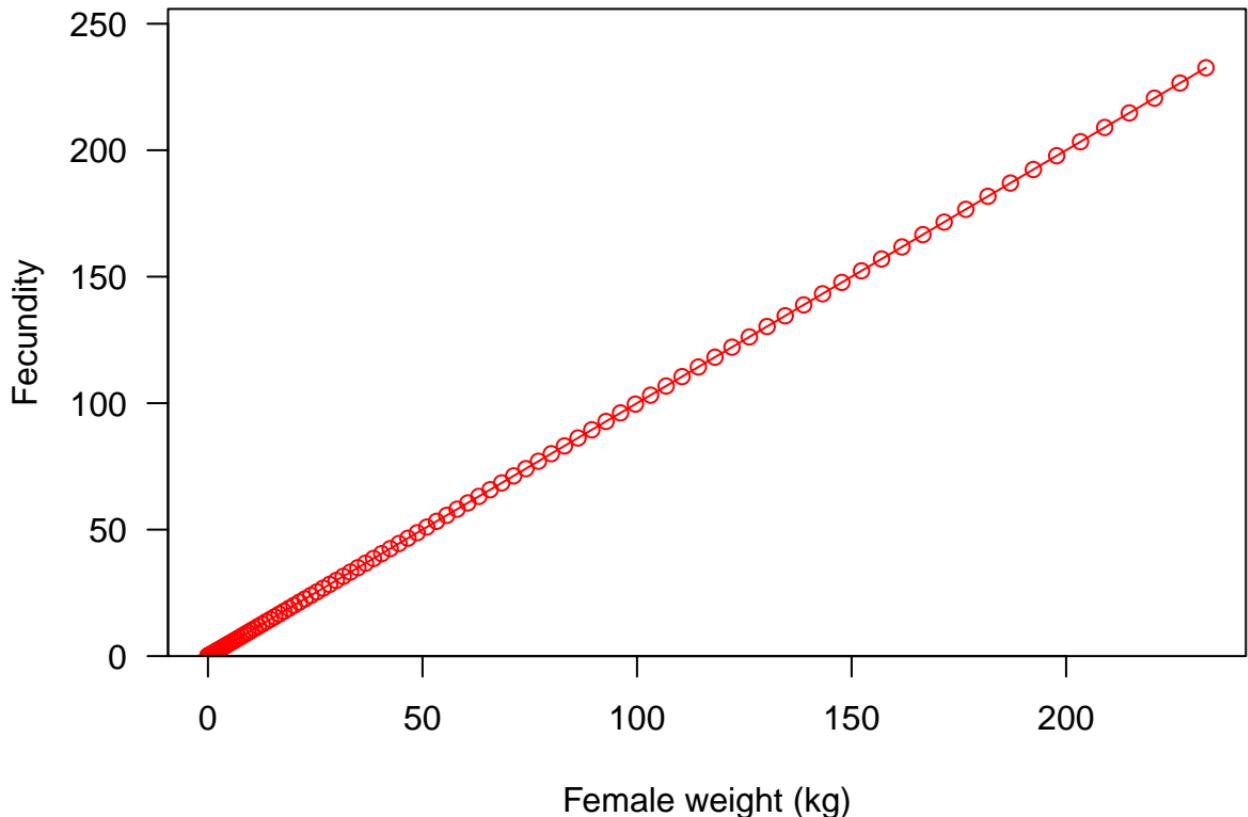


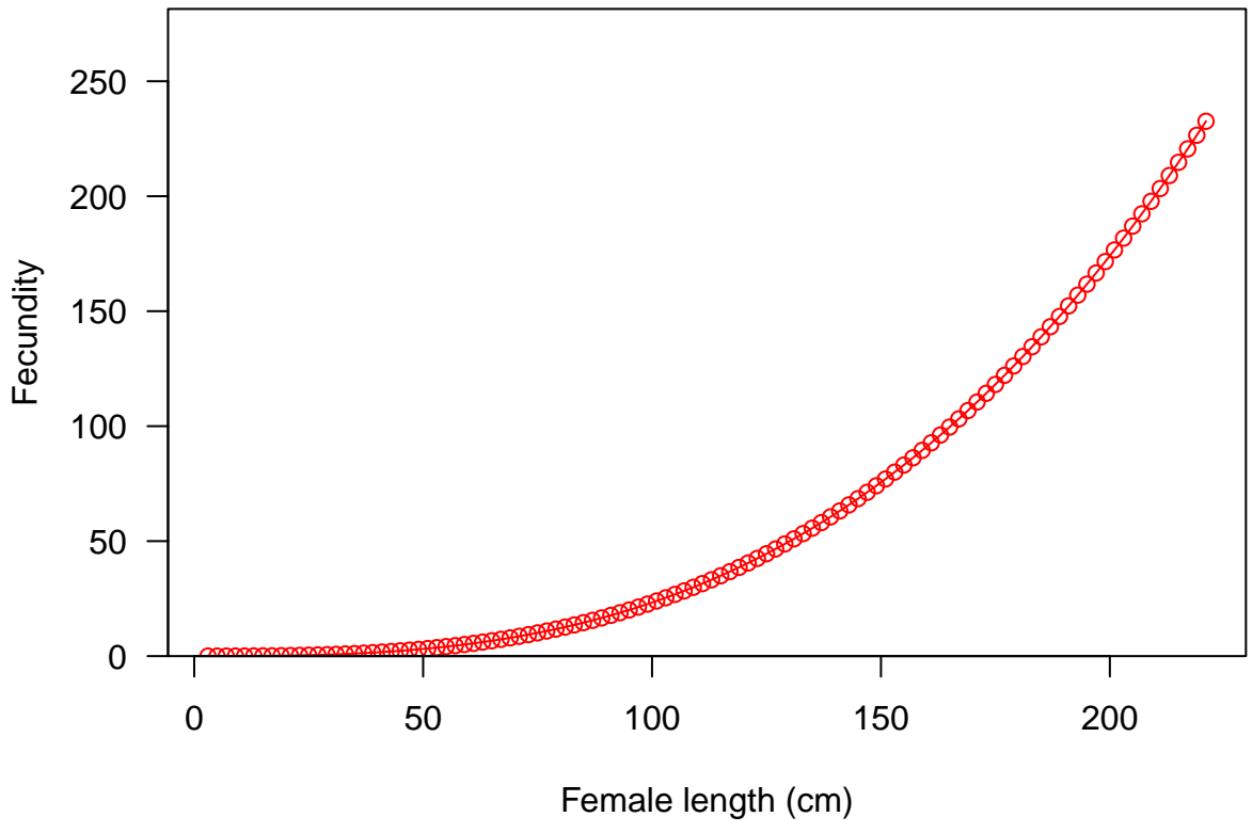


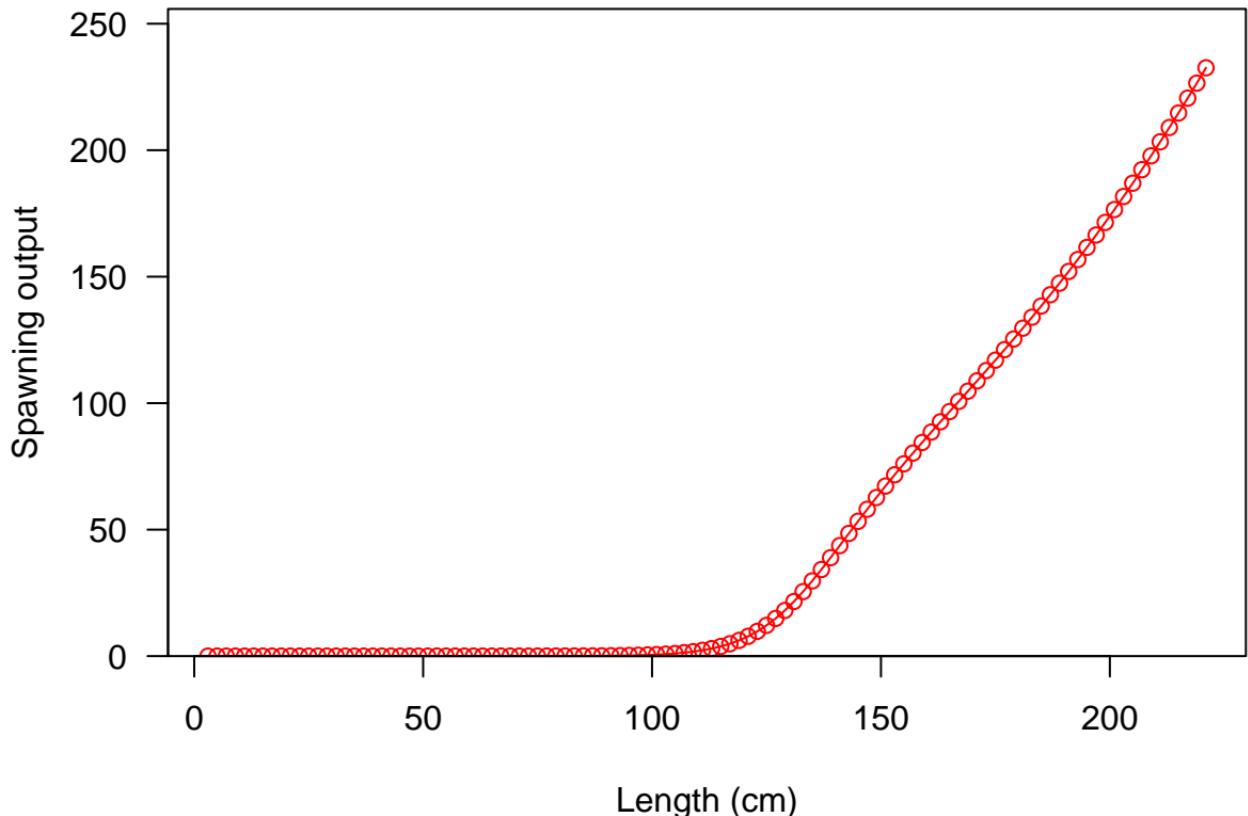


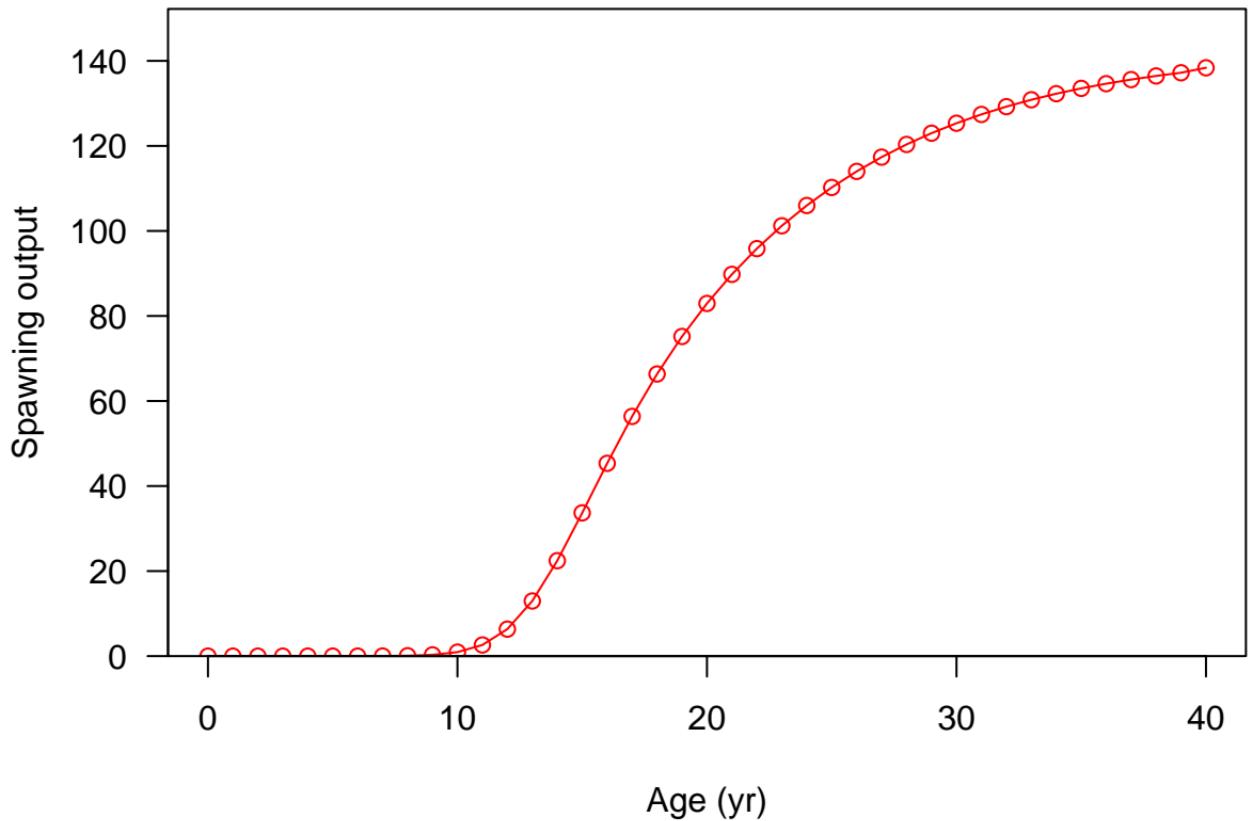




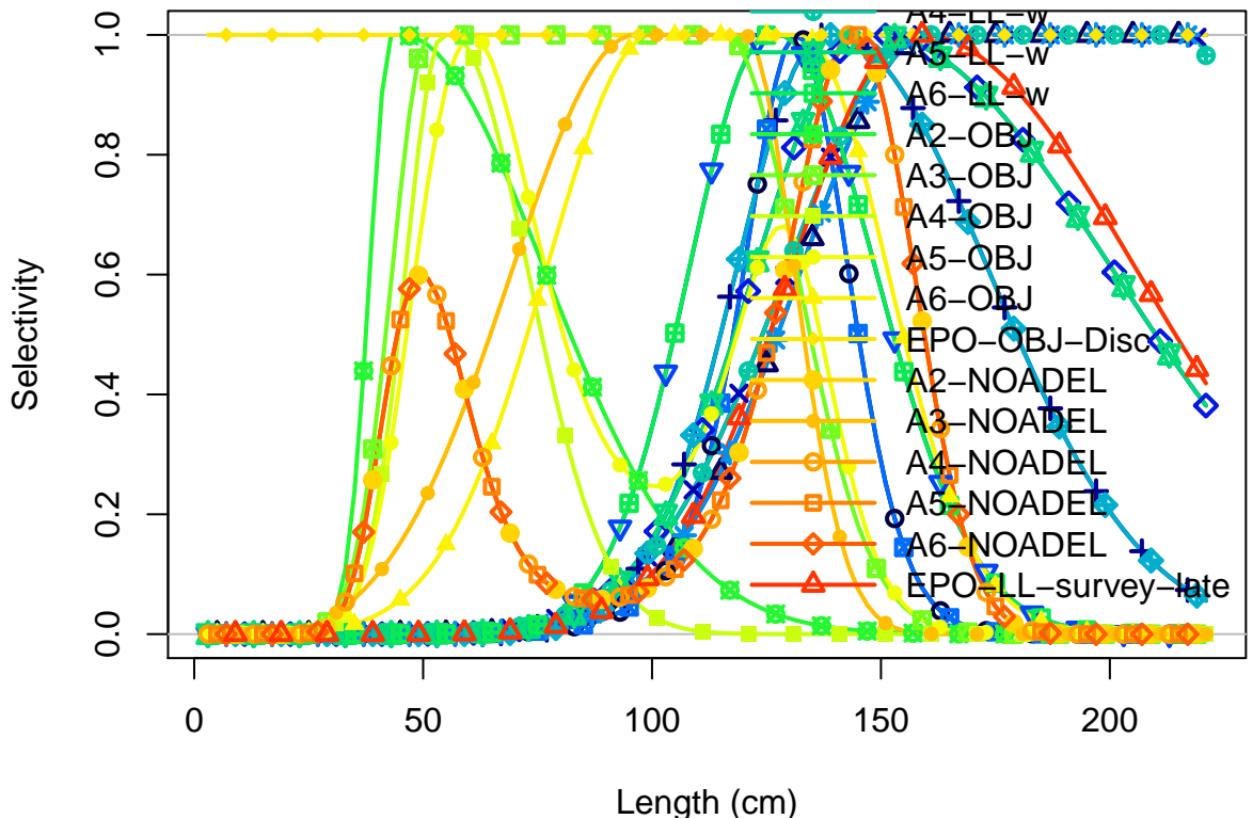




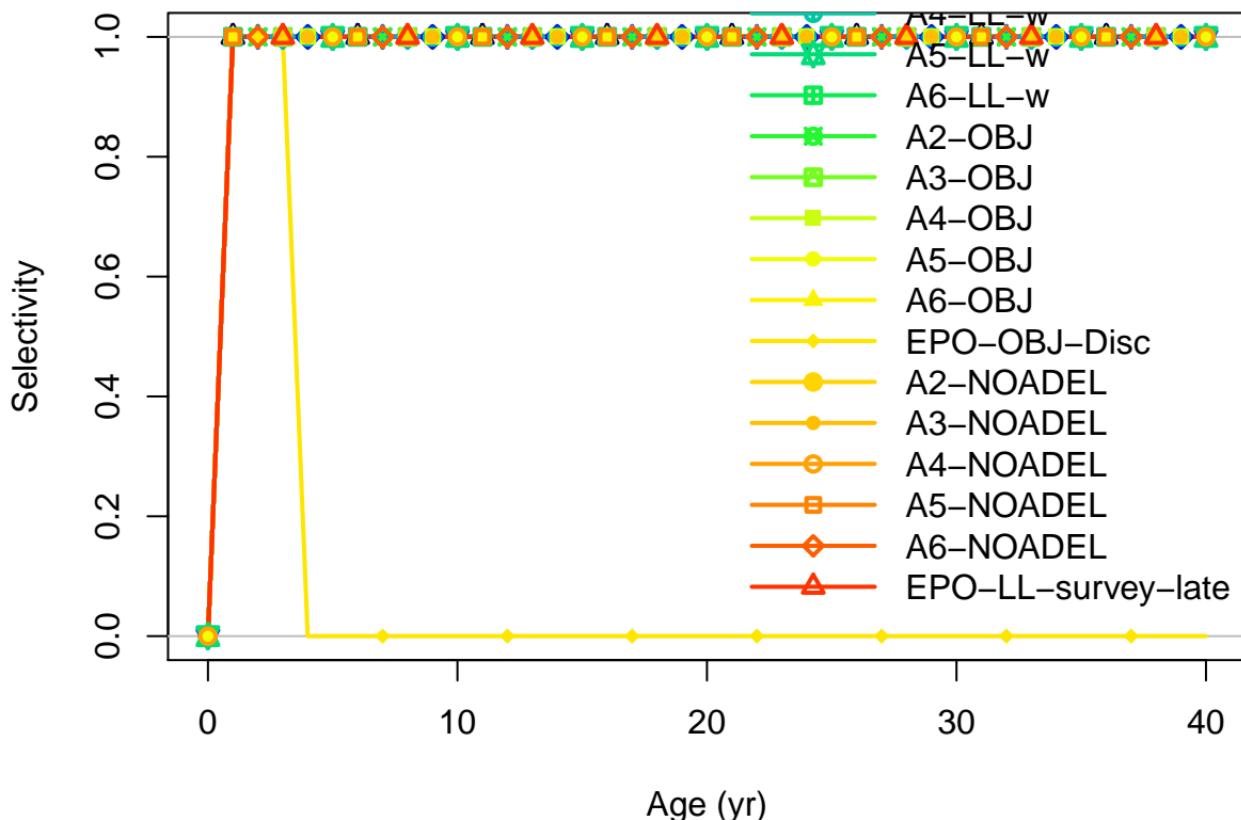




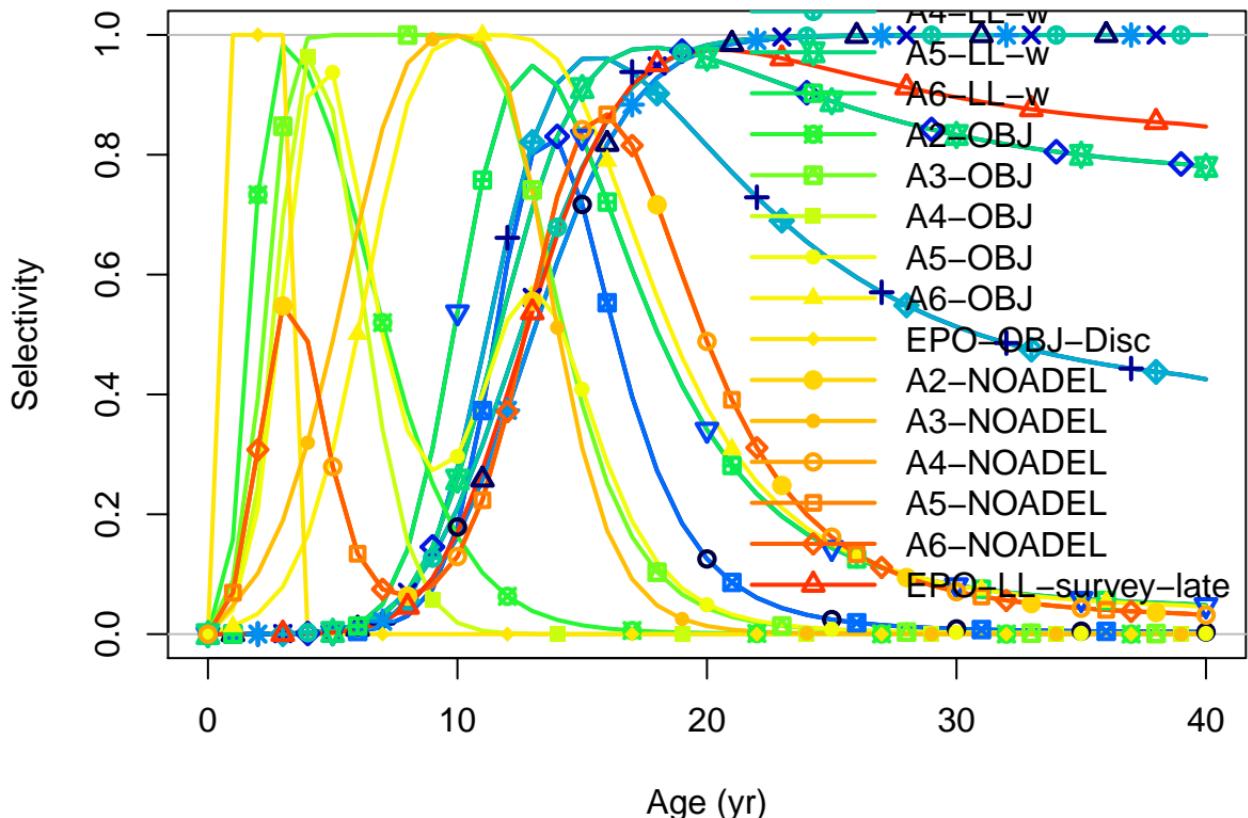
## Length-based selectivity by fleet in 180



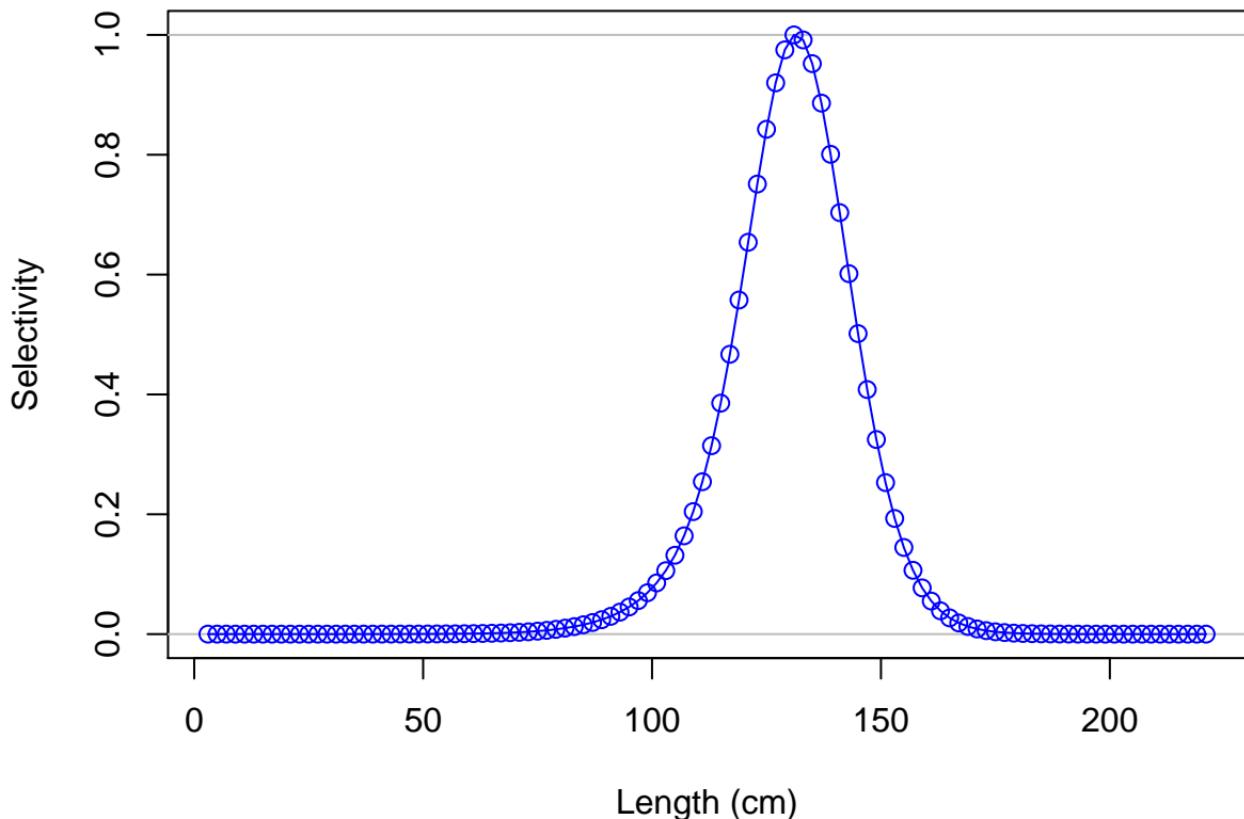
## Age-based selectivity by fleet in 180



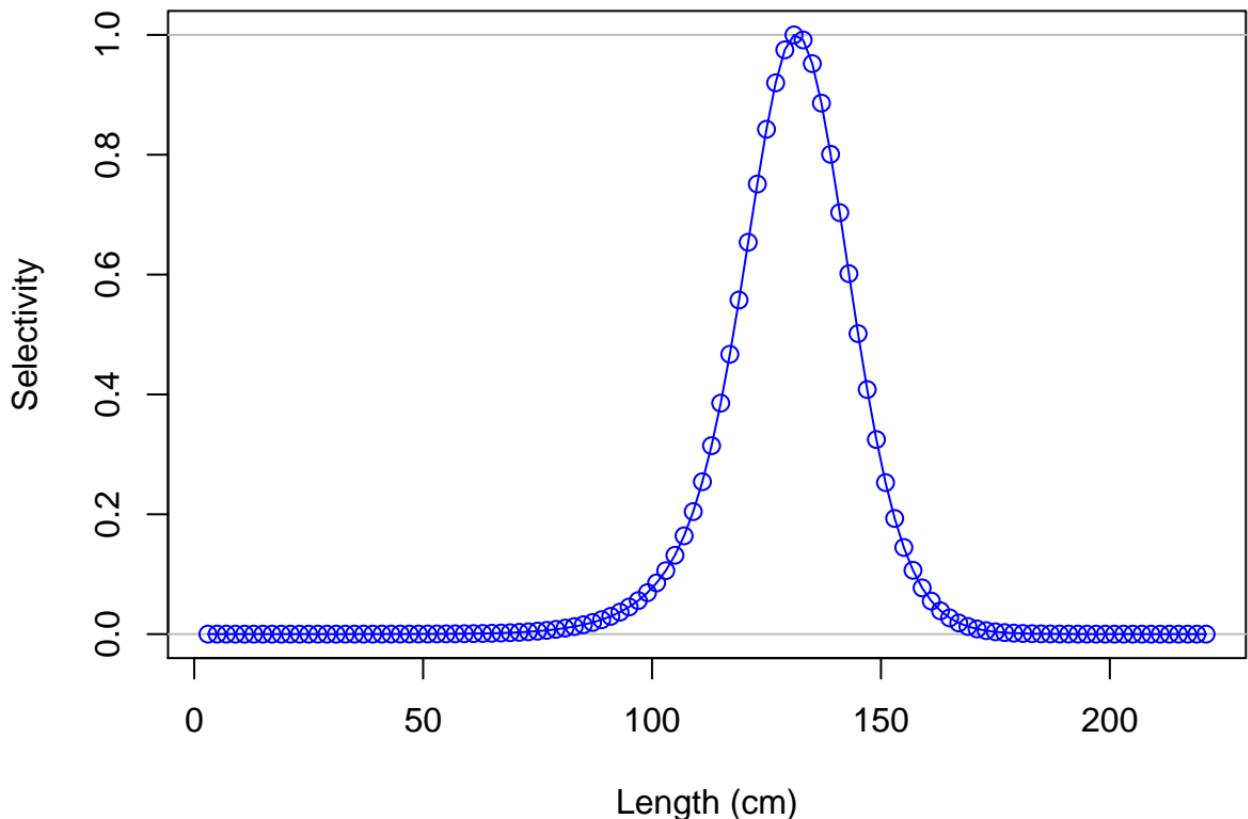
## Derived age-based from length-based selectivity by fleet in 180



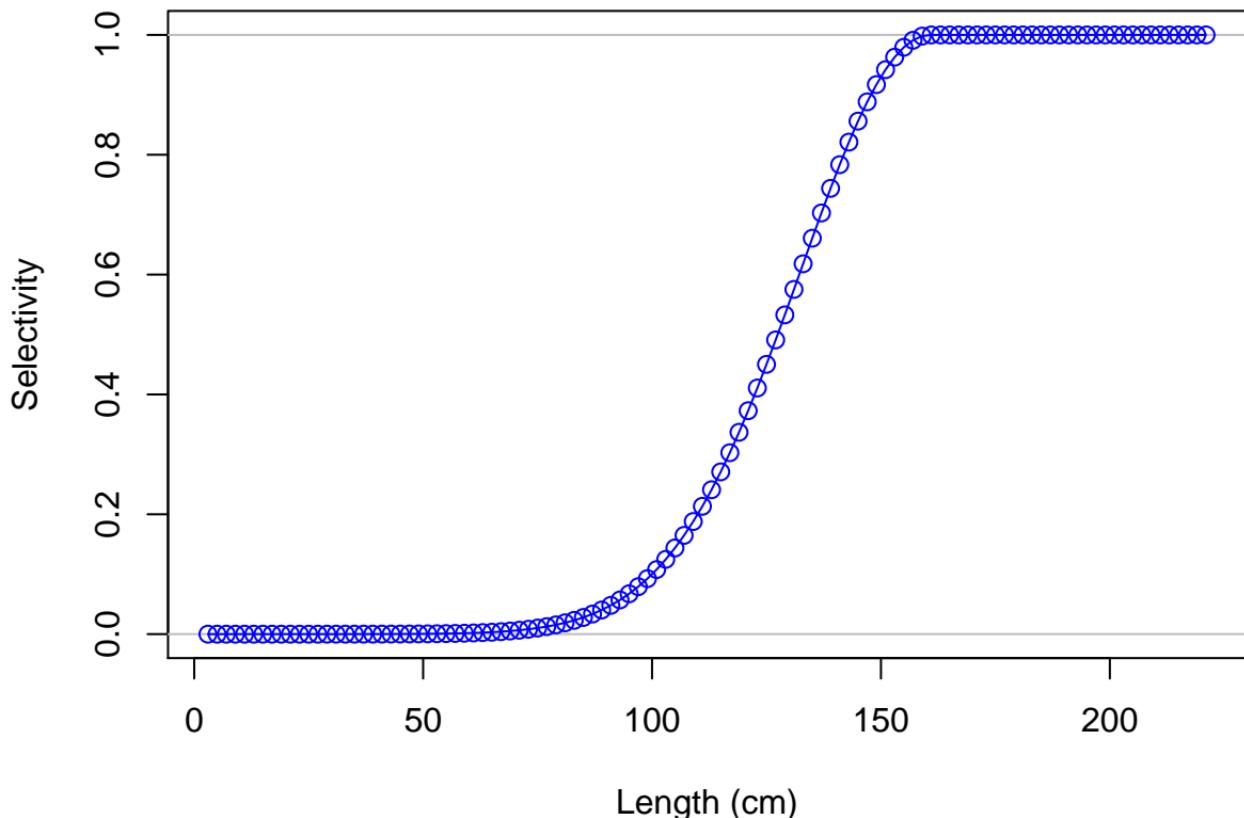
## Female ending year selectivity for A1-LL-n



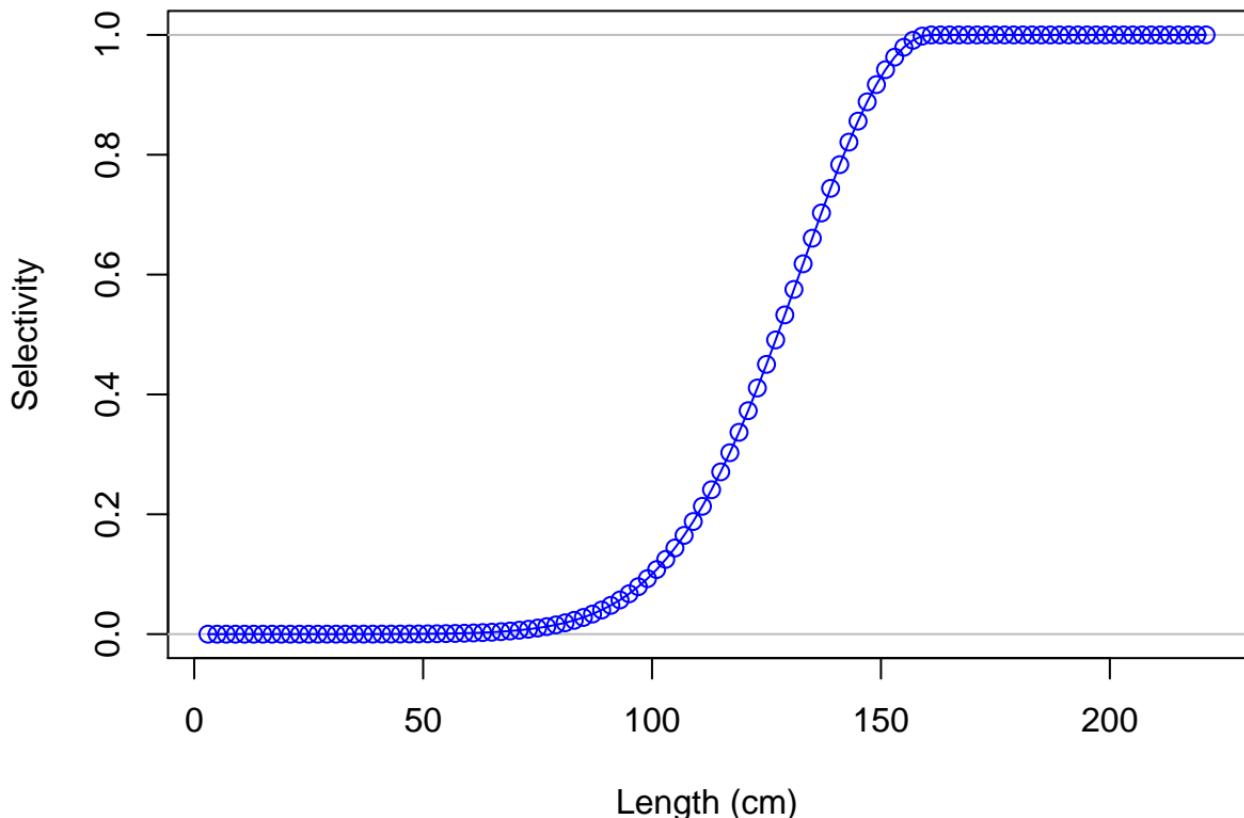
## Male ending year selectivity for A1-LL-n



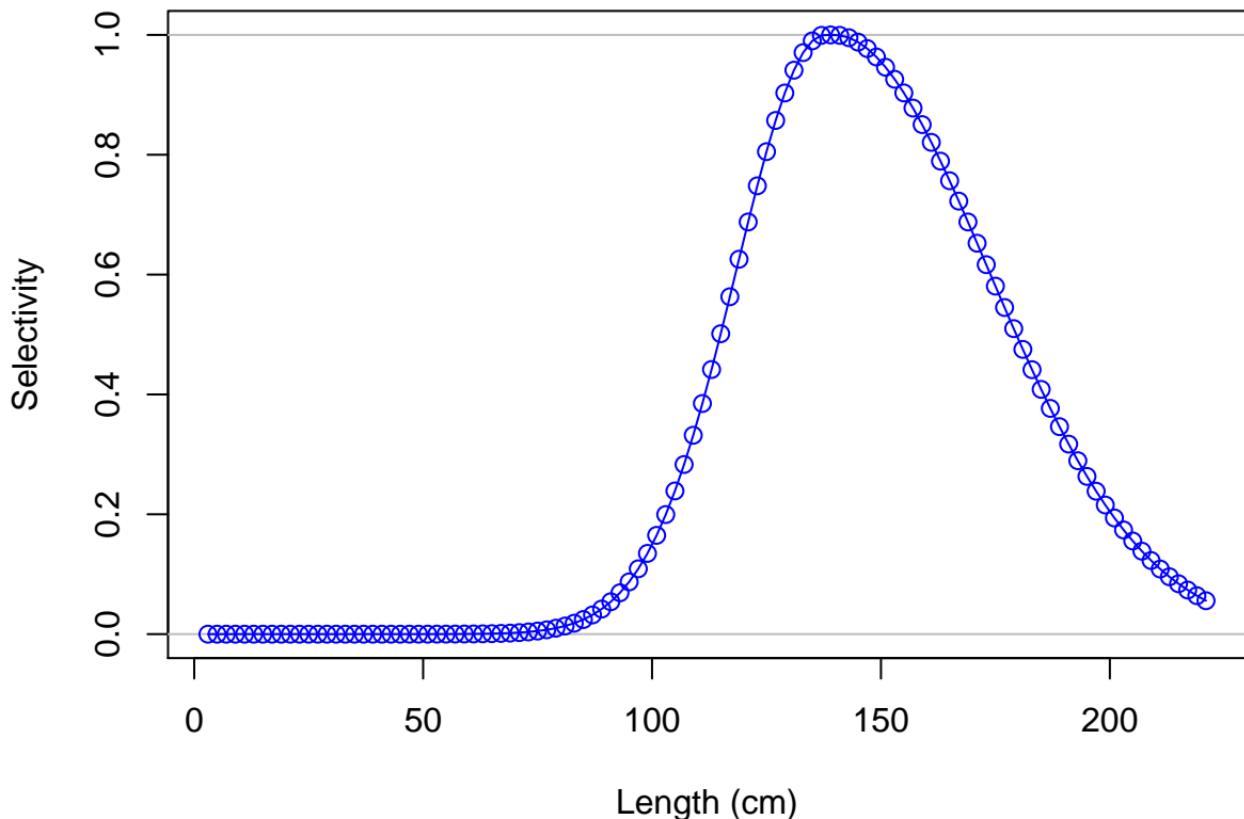
## Female ending year selectivity for A2–LL–n



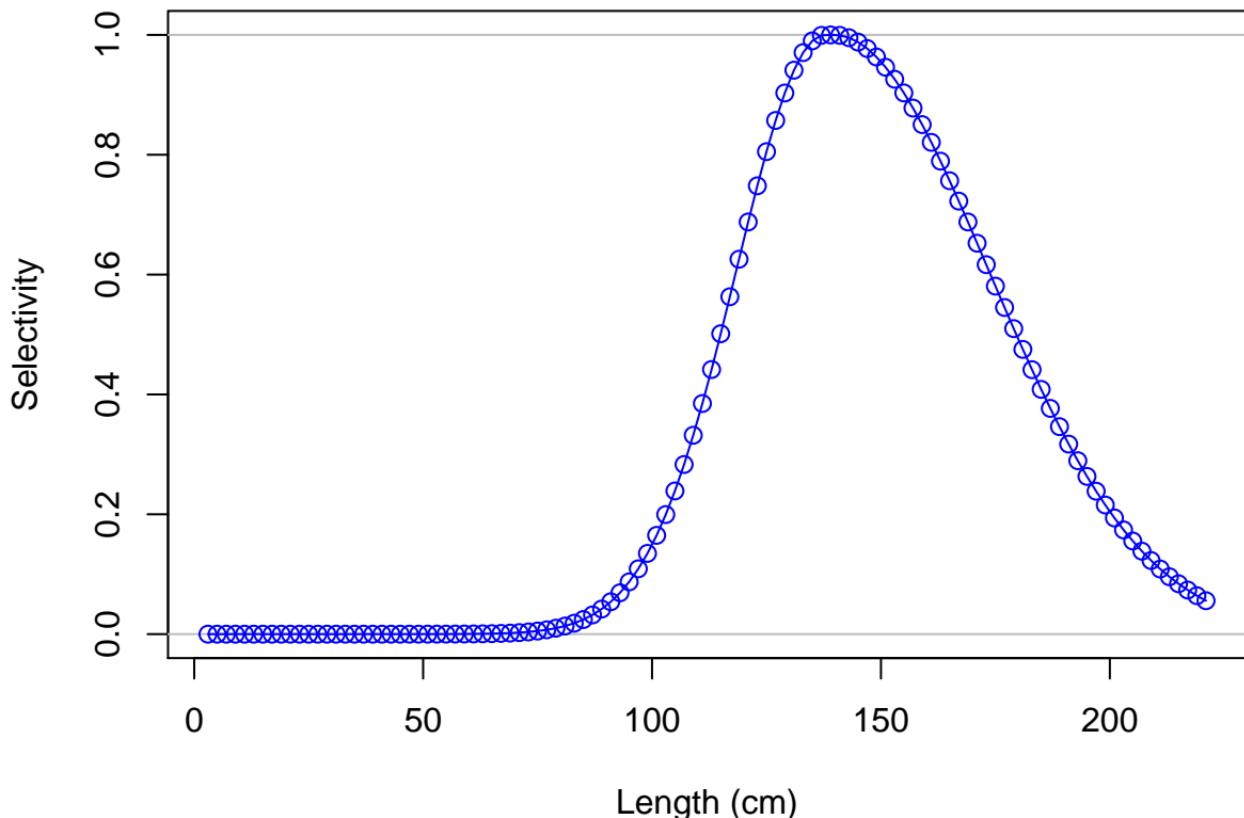
## Male ending year selectivity for A2-LL-n



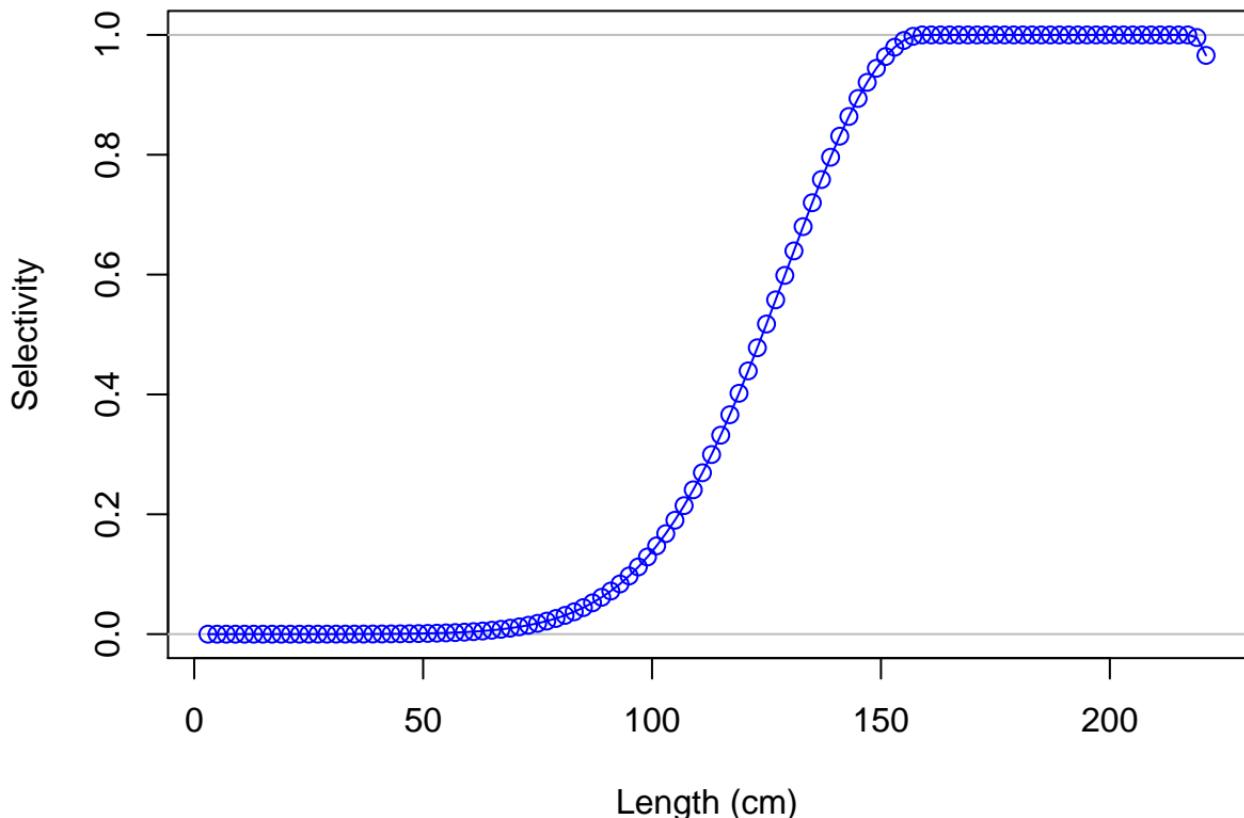
## Female ending year selectivity for A3–LL–n



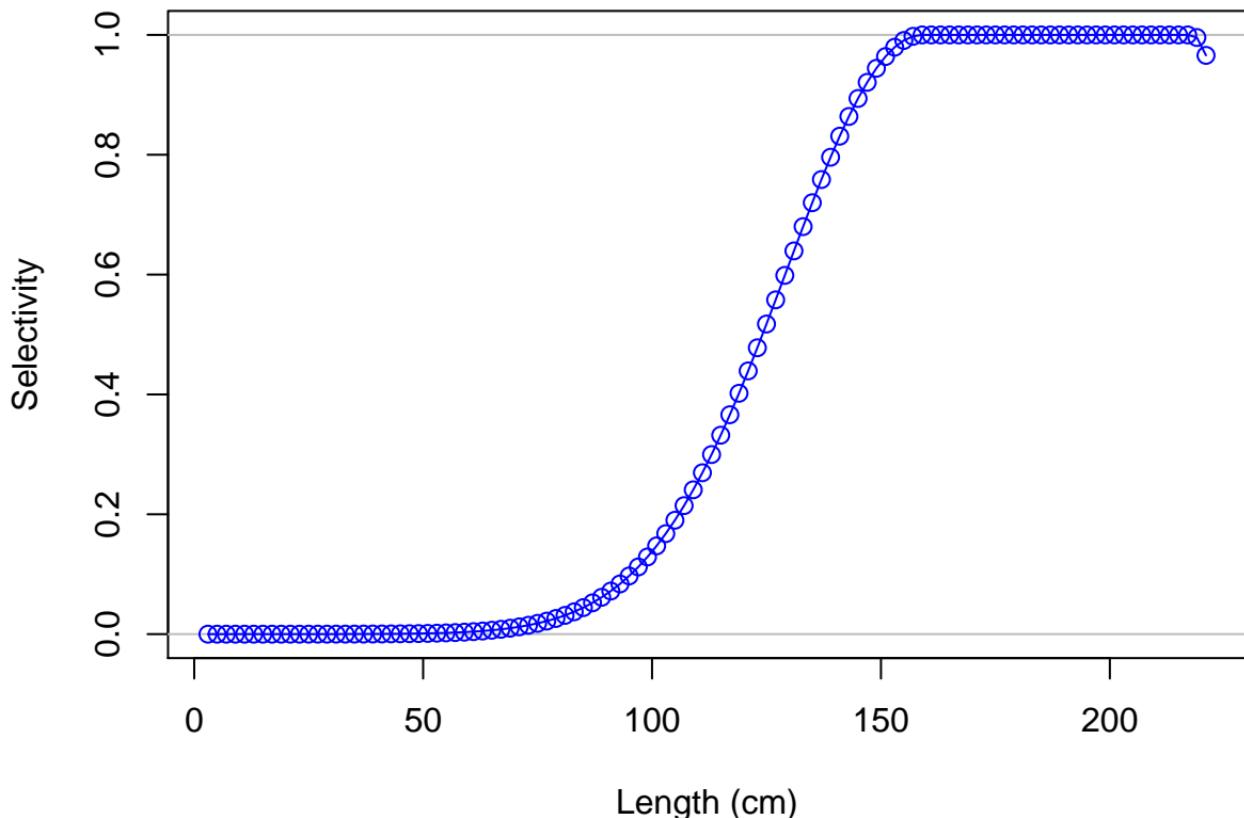
## Male ending year selectivity for A3-LL-n



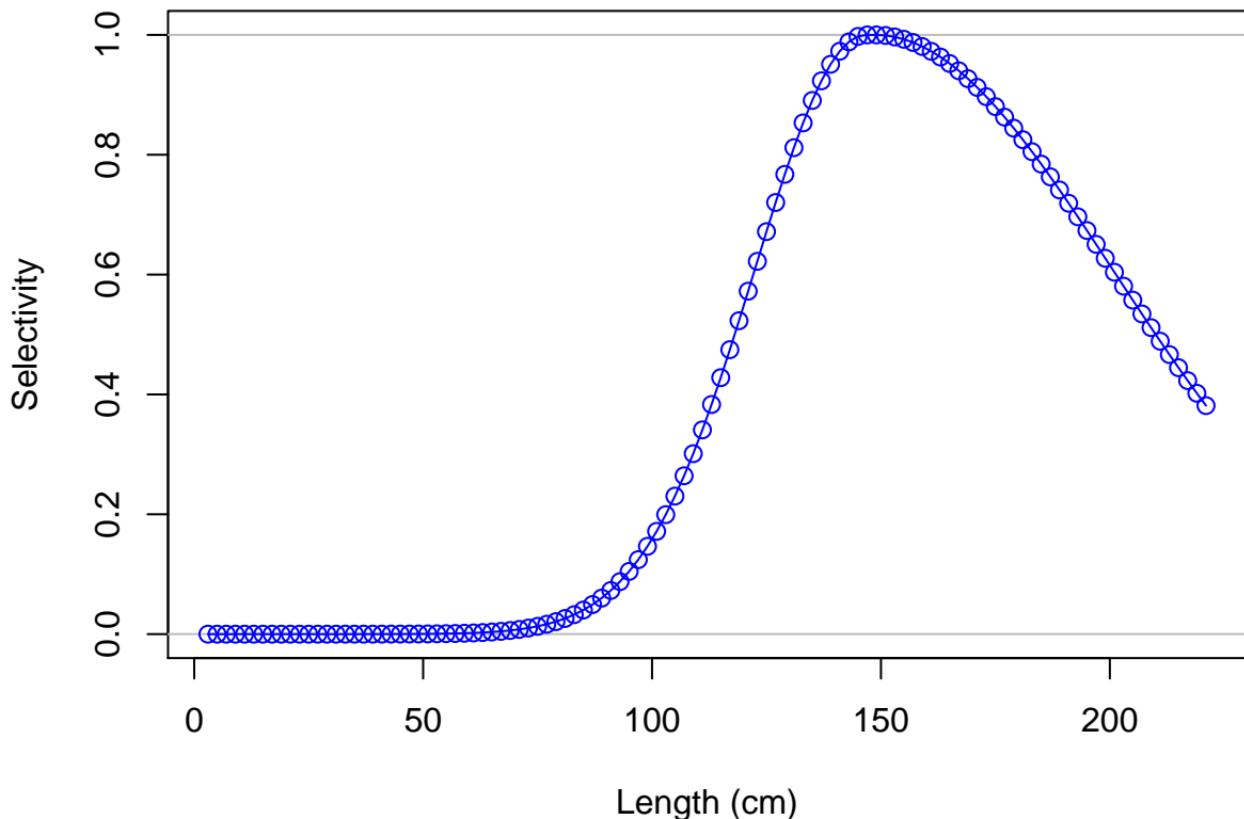
## Female ending year selectivity for A4-LL-n



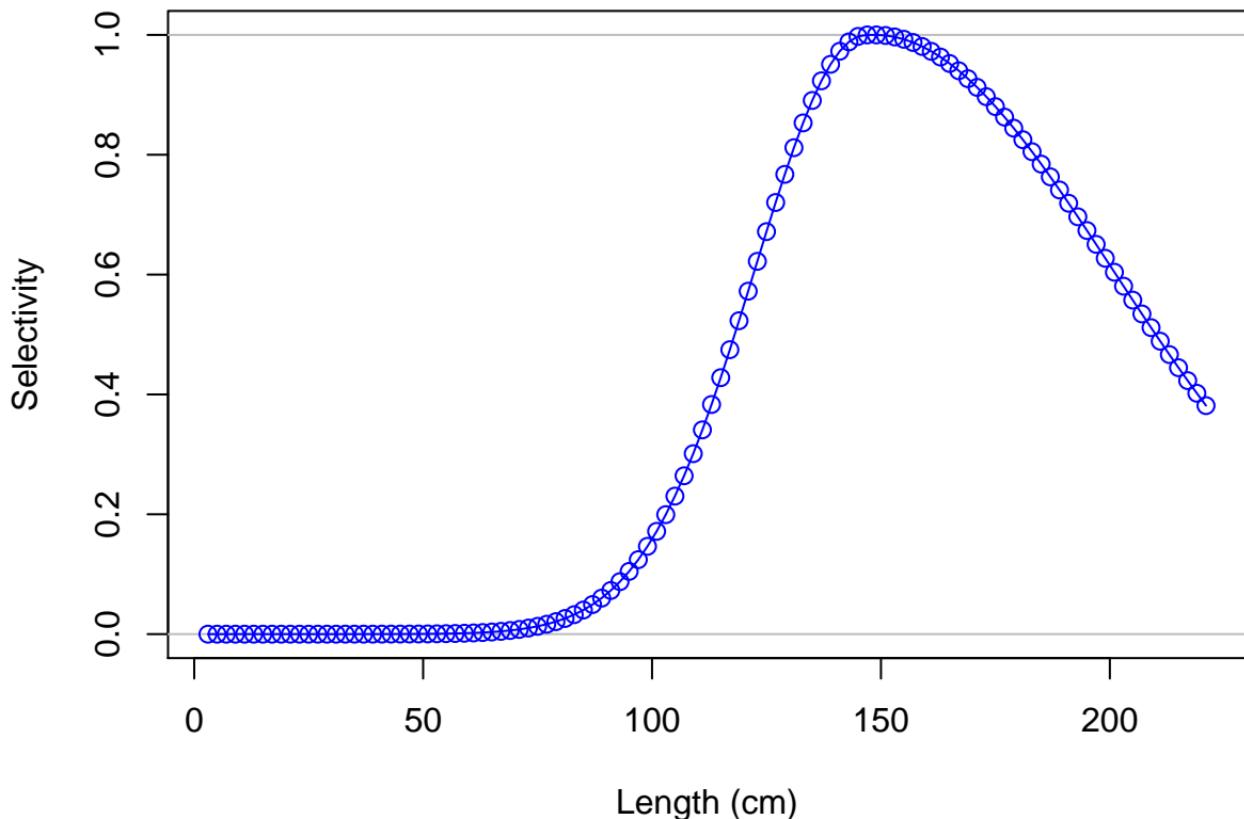
## Male ending year selectivity for A4-LL-n



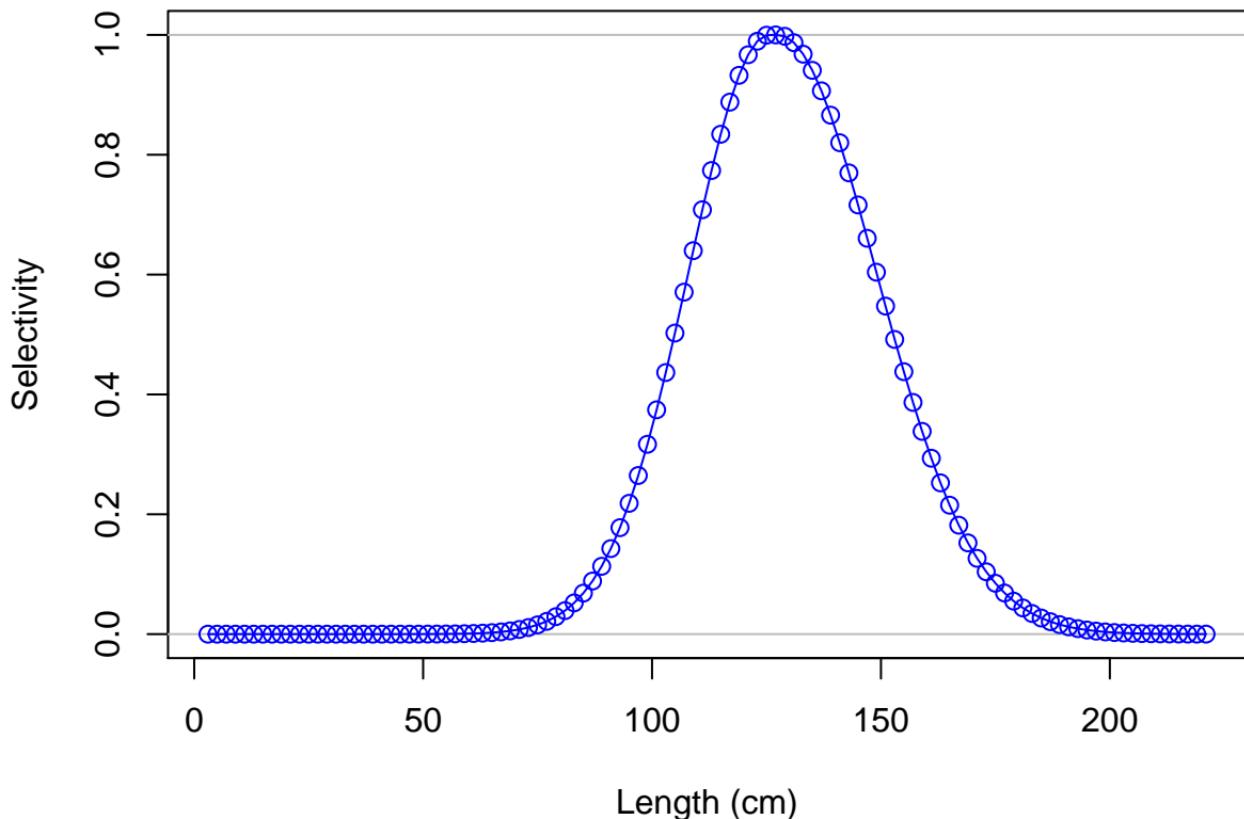
## Female ending year selectivity for A5–LL–n



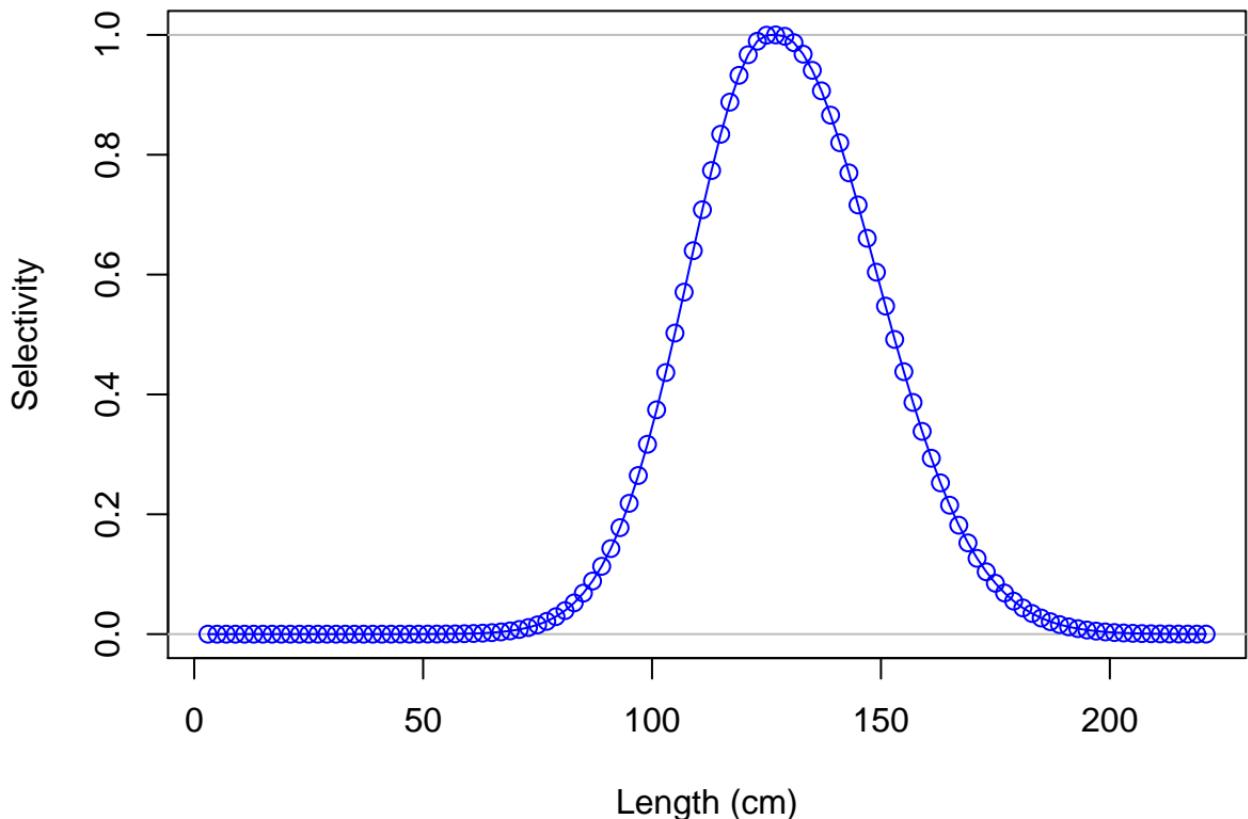
## Male ending year selectivity for A5-LL-n



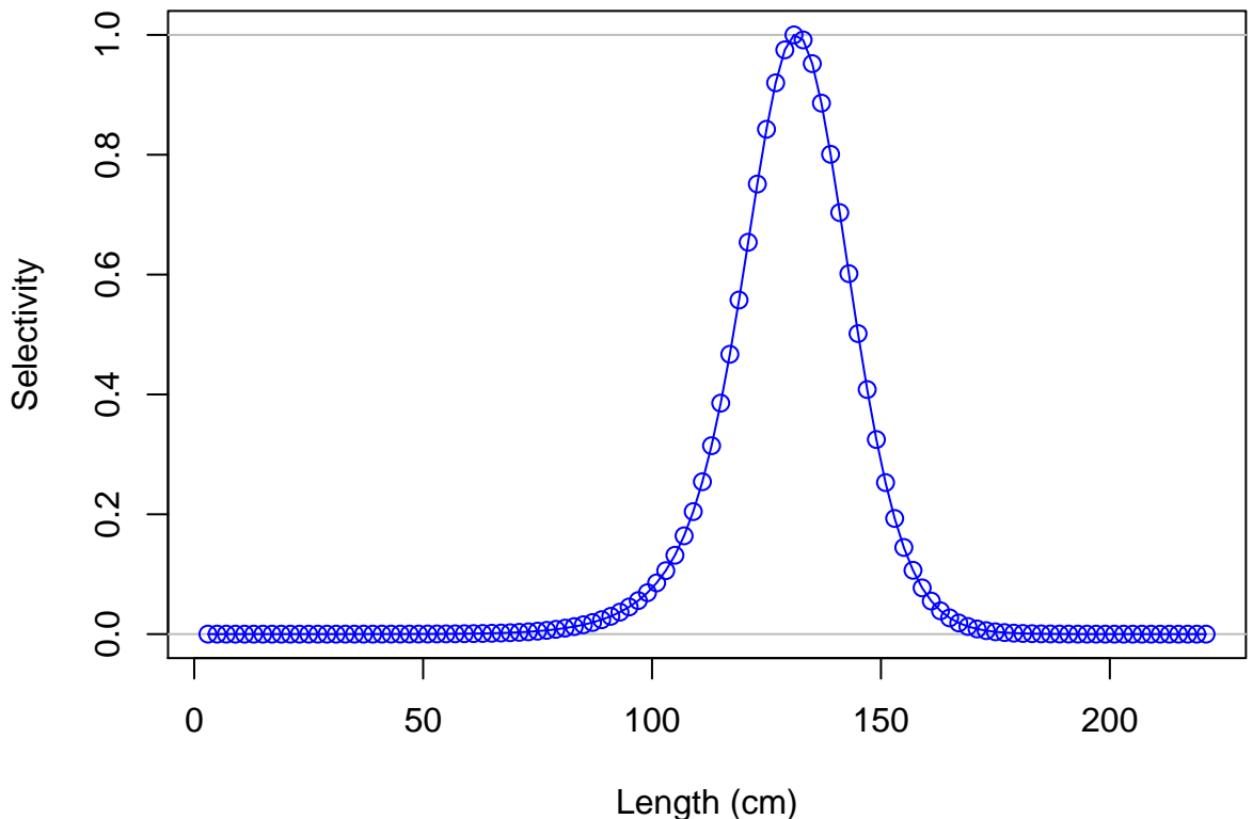
## Female ending year selectivity for A6–LL–n



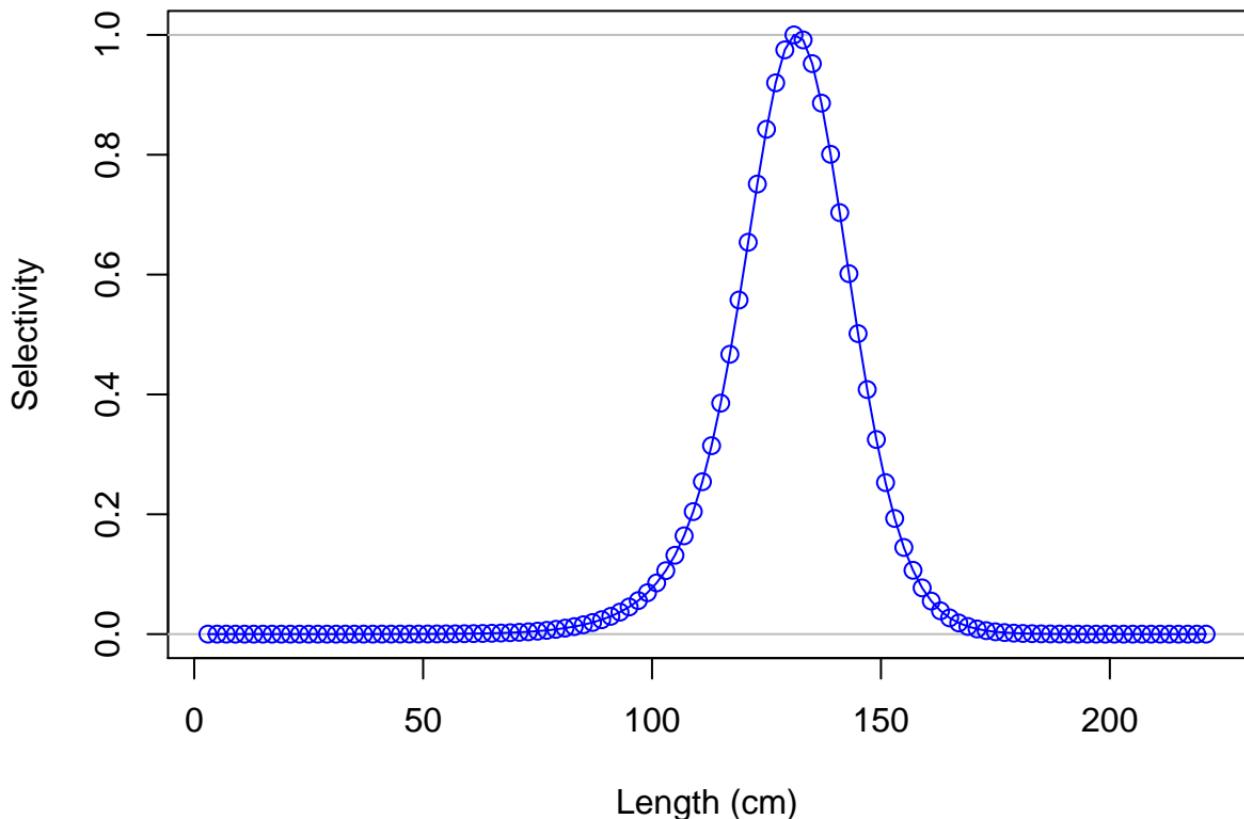
## Male ending year selectivity for A6-LL-n



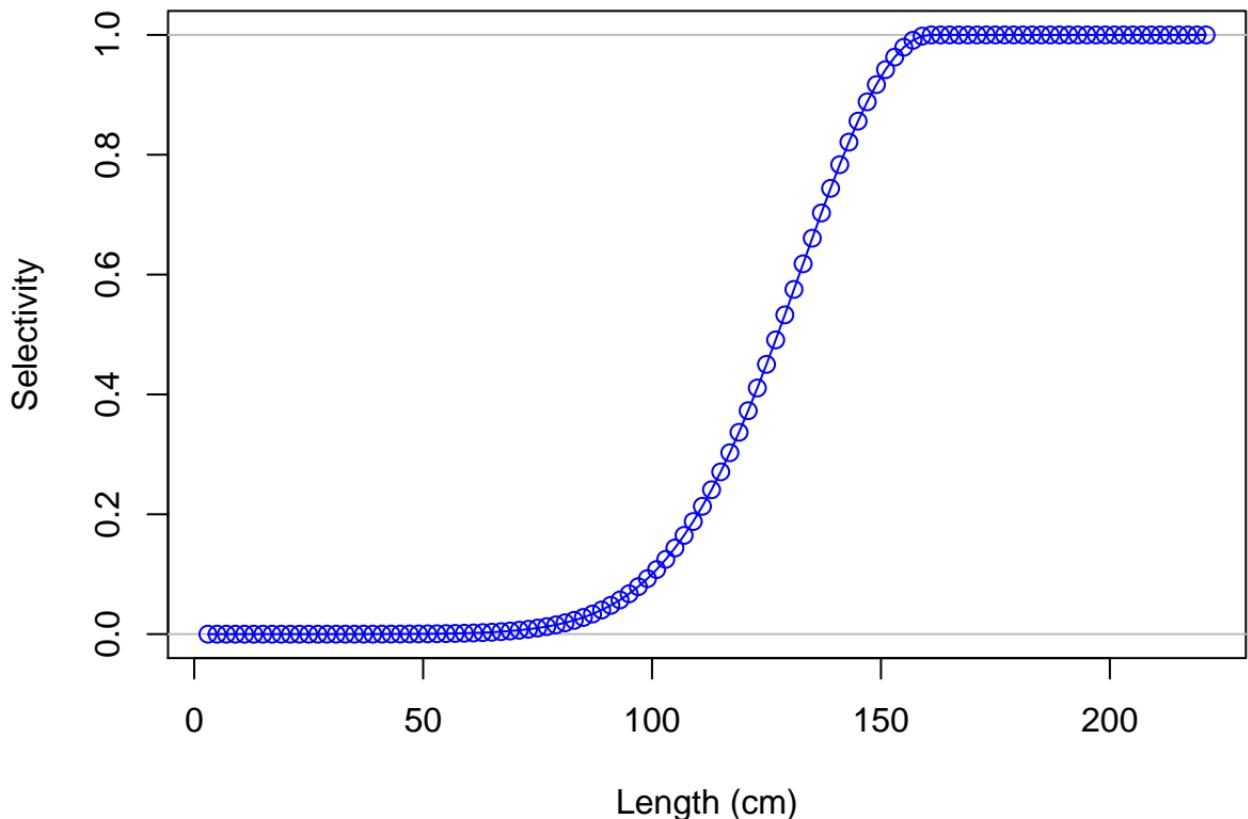
## Female ending year selectivity for A1-LL-w



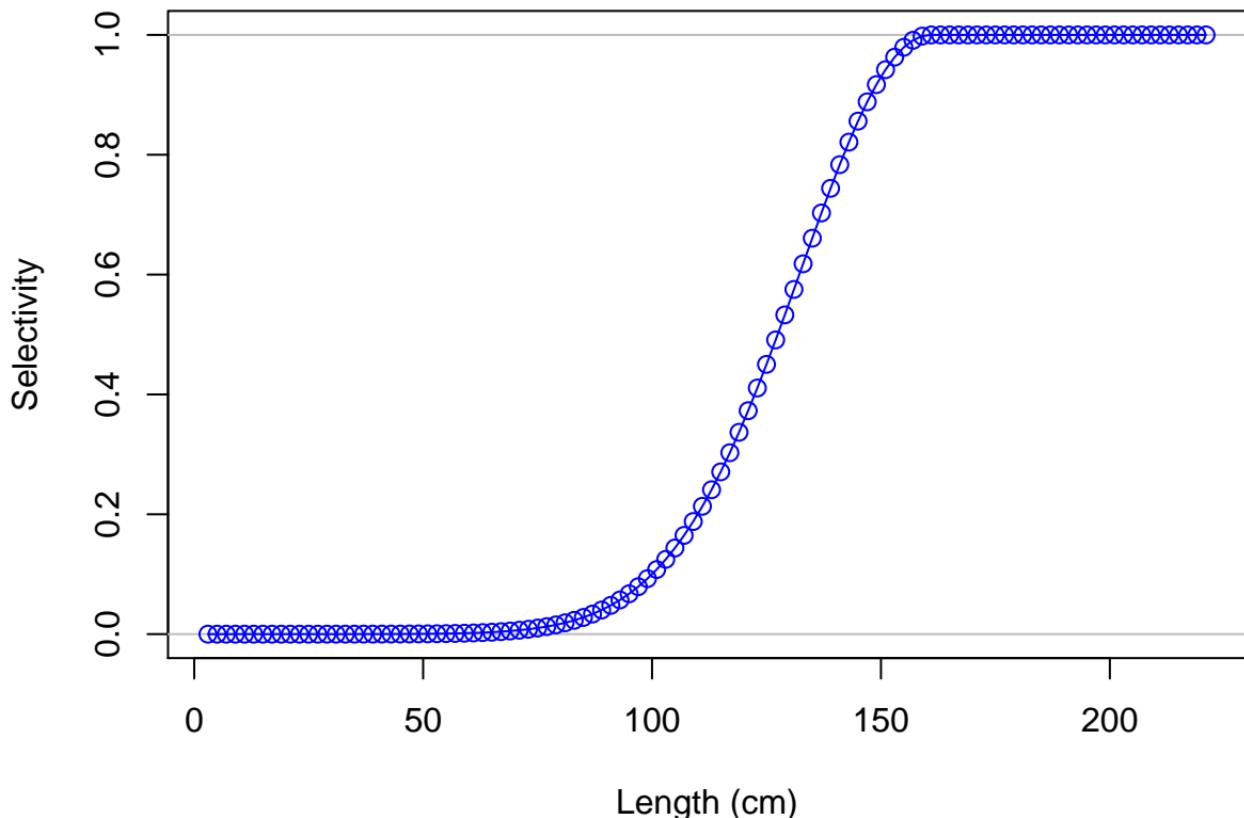
## Male ending year selectivity for A1-LL-w



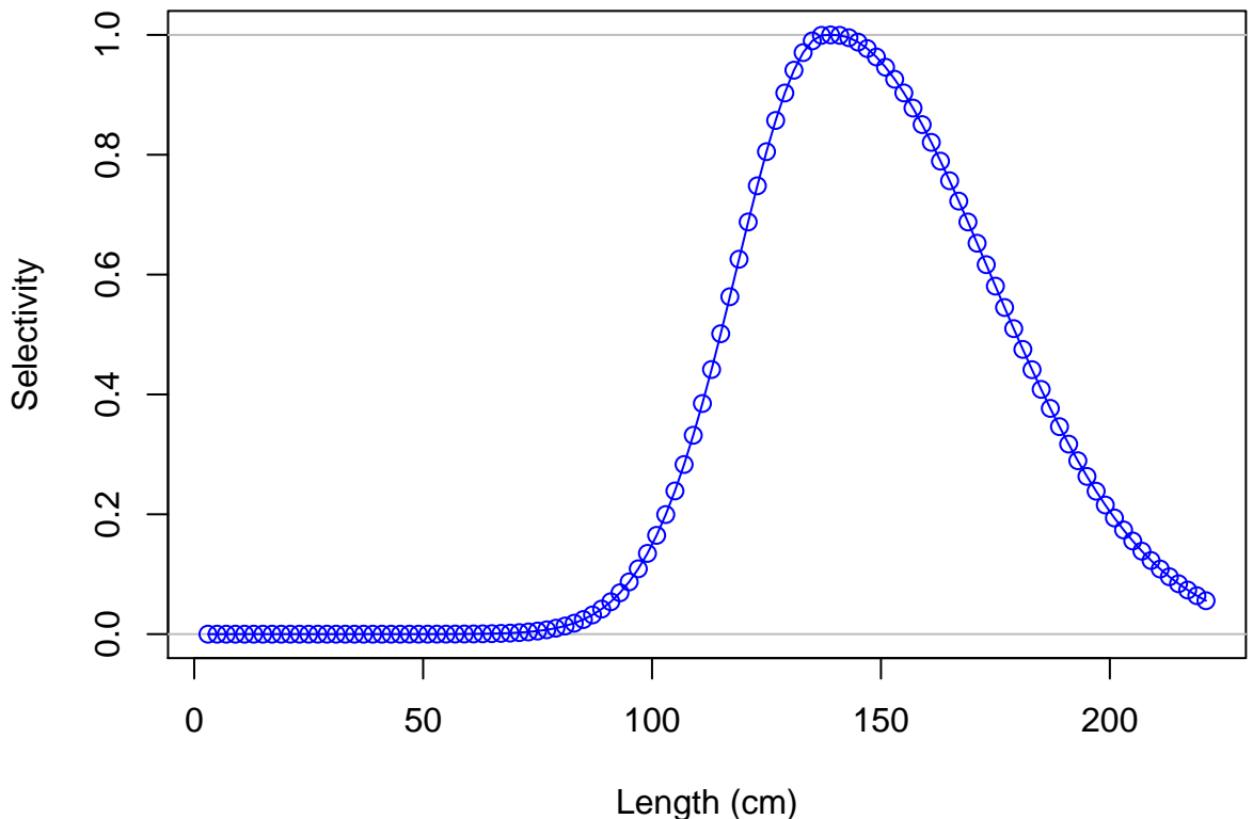
## Female ending year selectivity for A2-LL-w



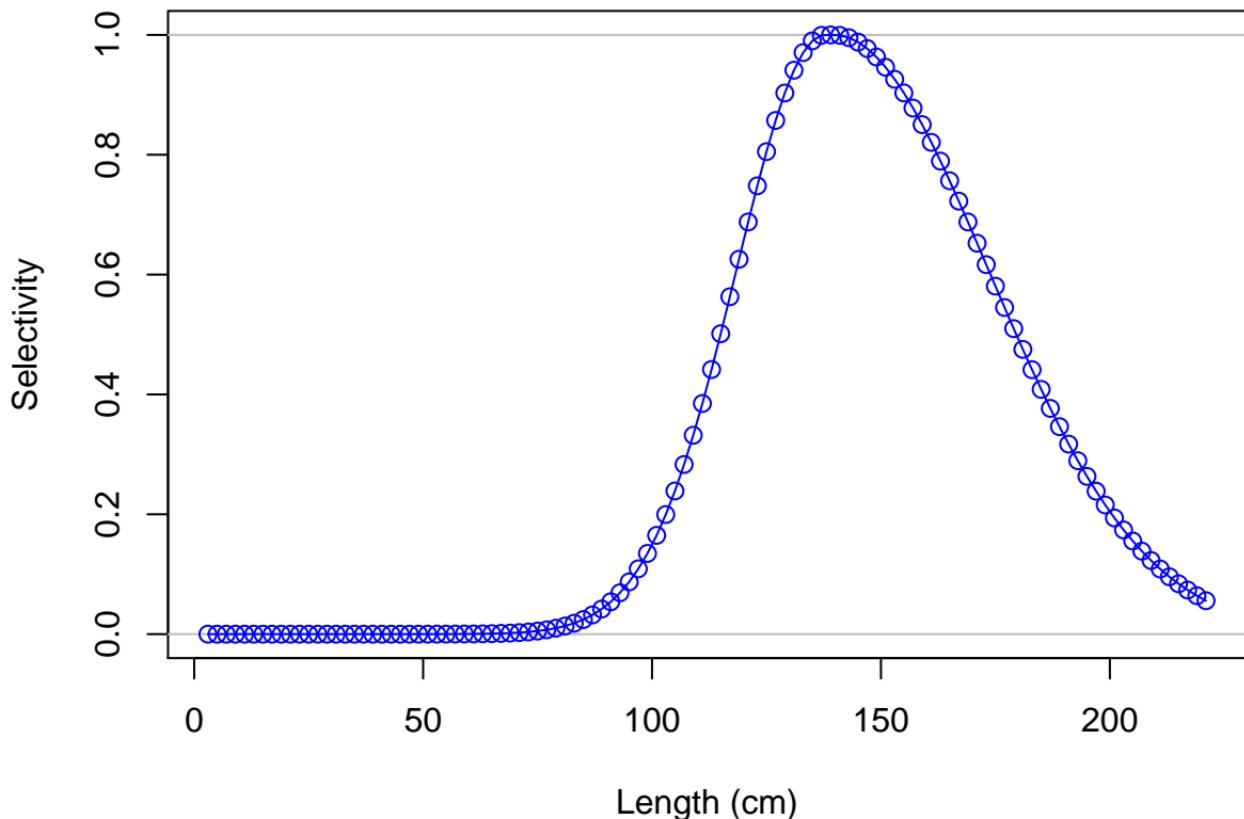
## Male ending year selectivity for A2–LL–w



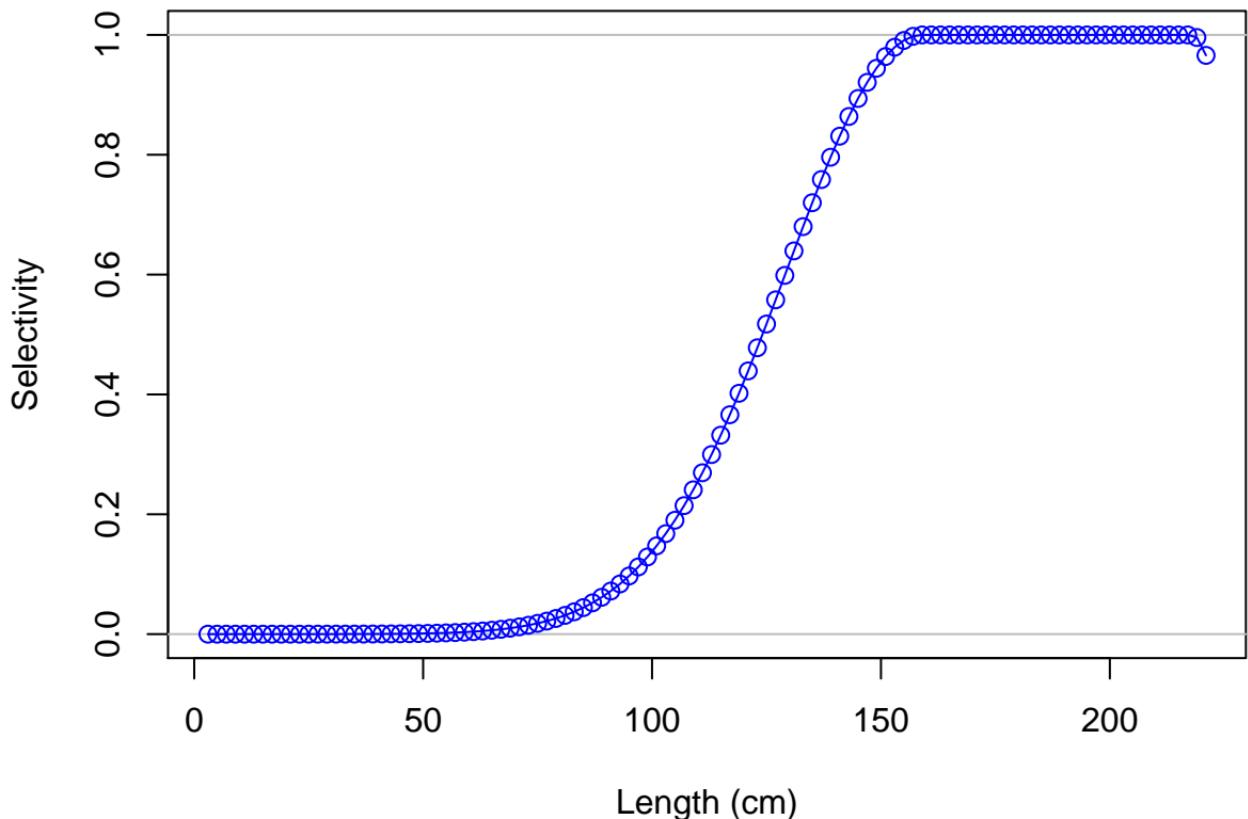
## Female ending year selectivity for A3-LL-w



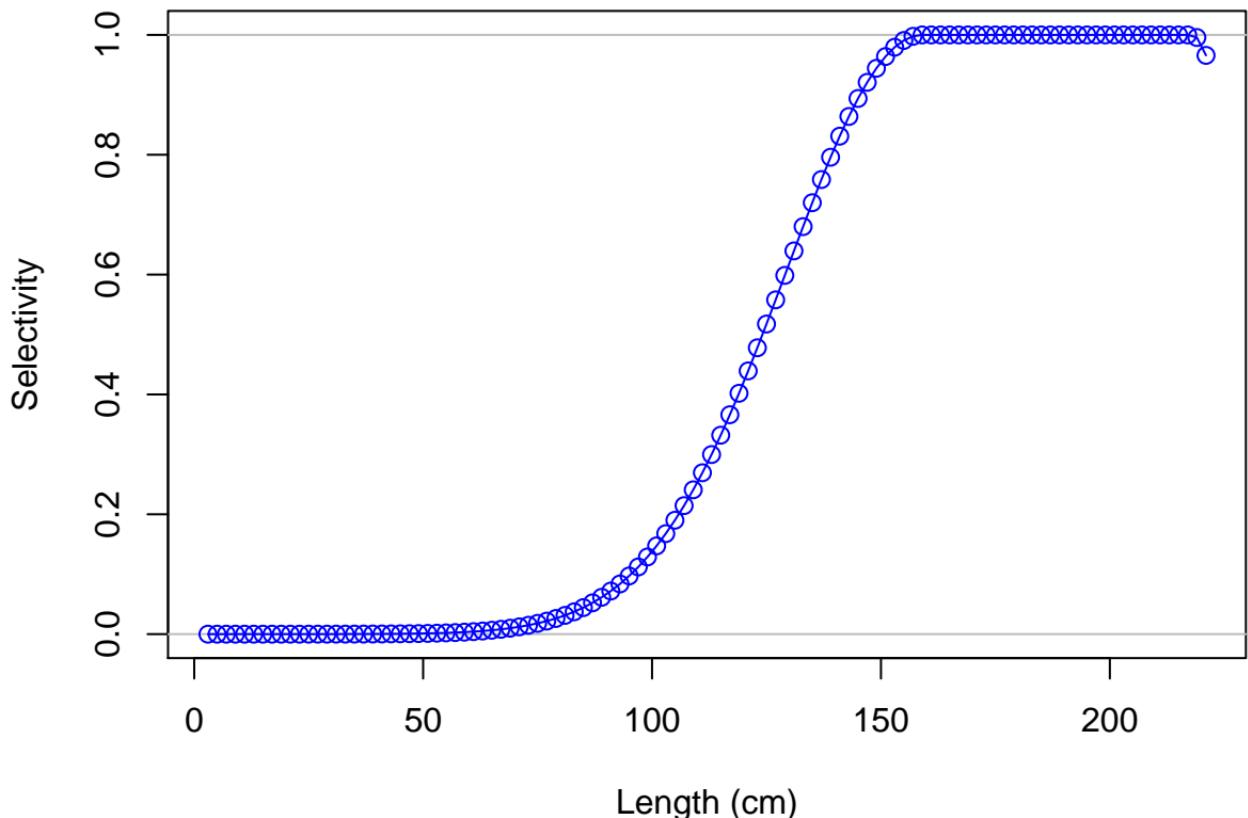
## Male ending year selectivity for A3–LL–w



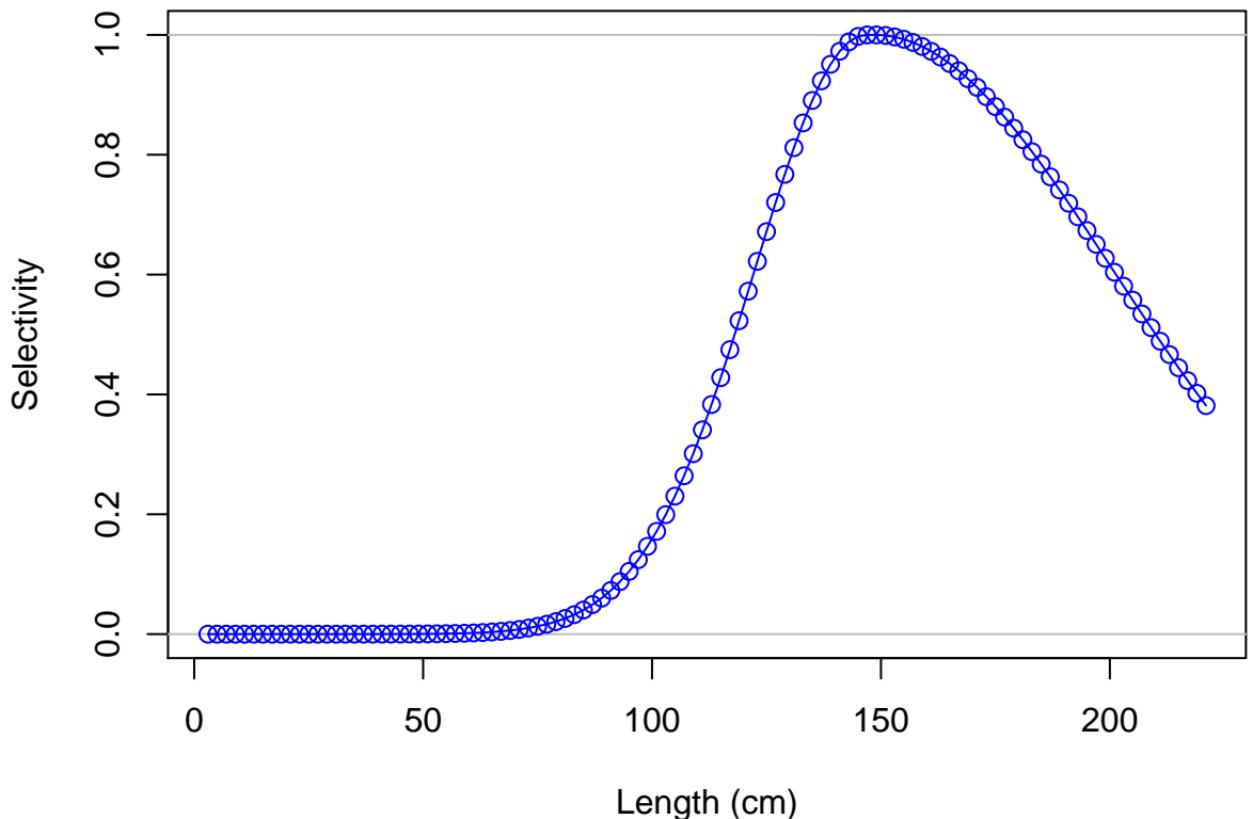
## Female ending year selectivity for A4-LL-w



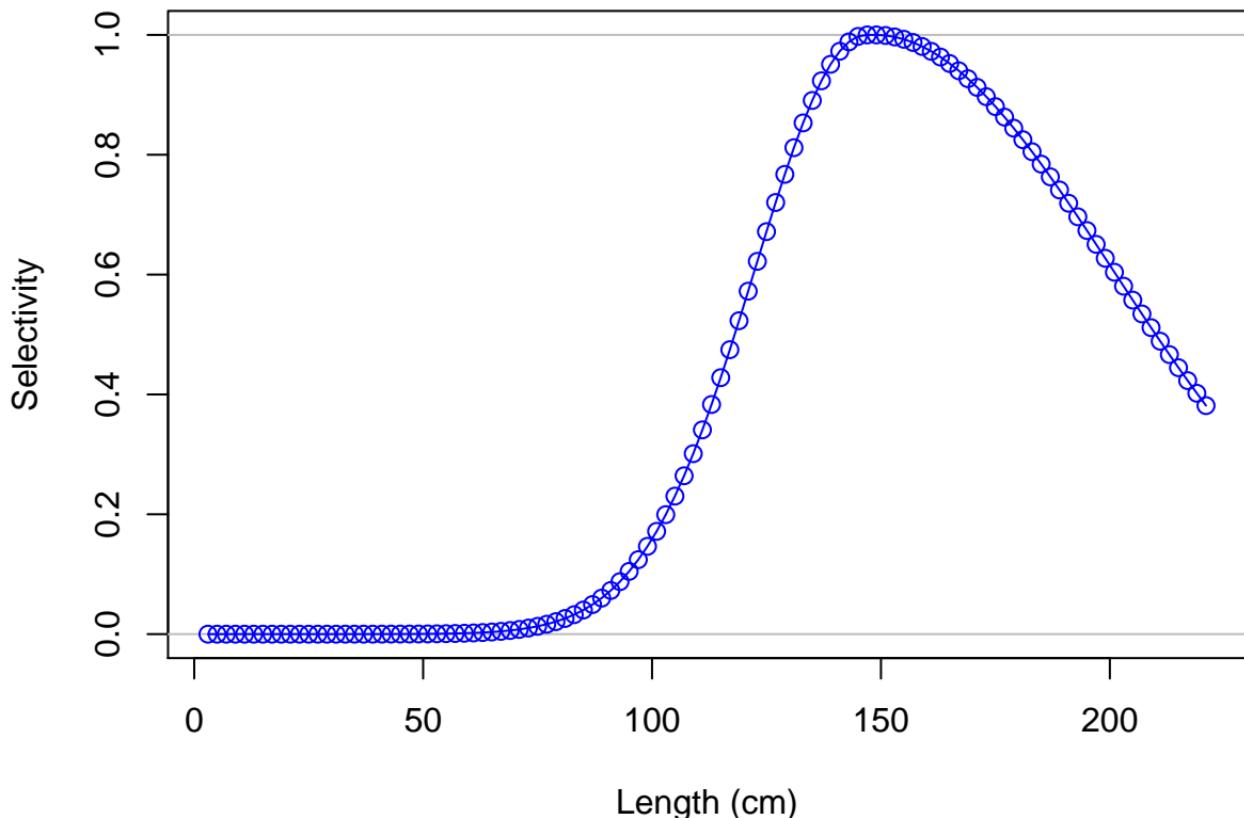
## Male ending year selectivity for A4–LL–w



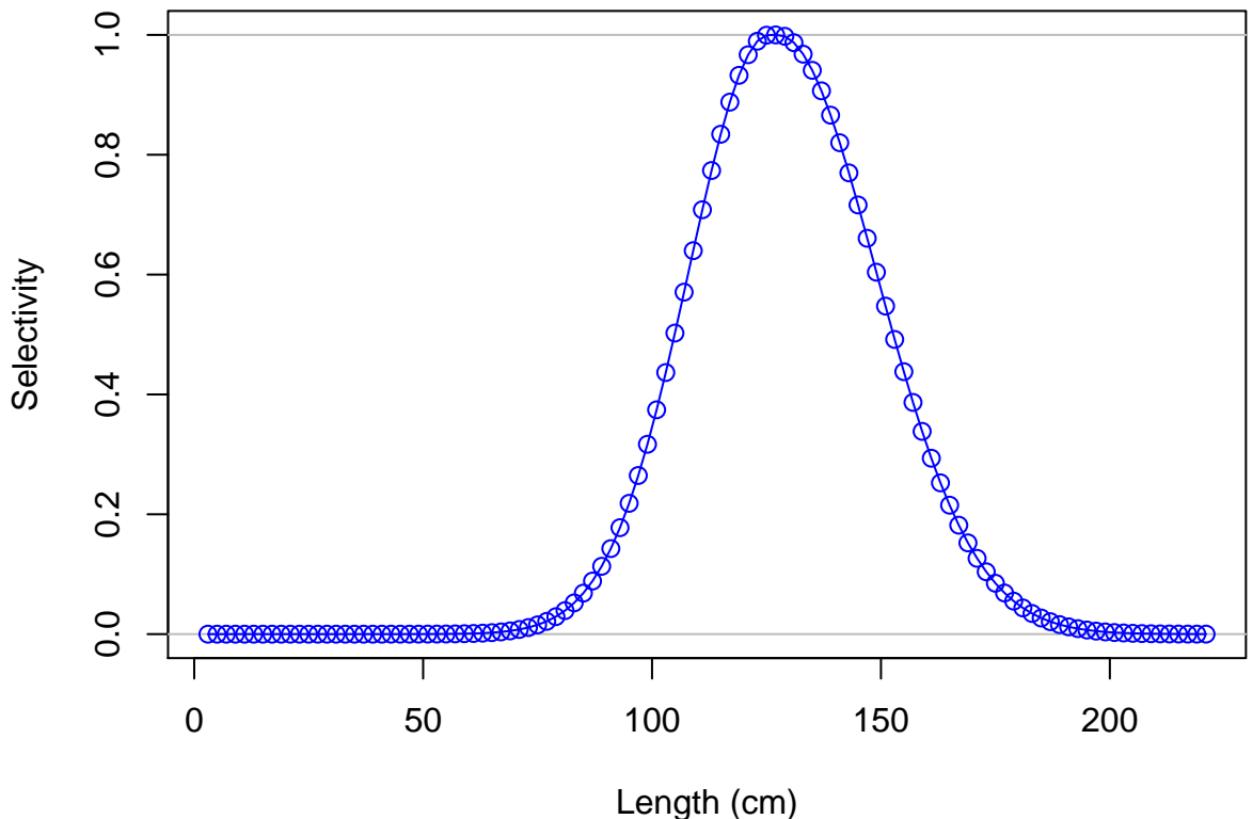
## Female ending year selectivity for A5-LL-w



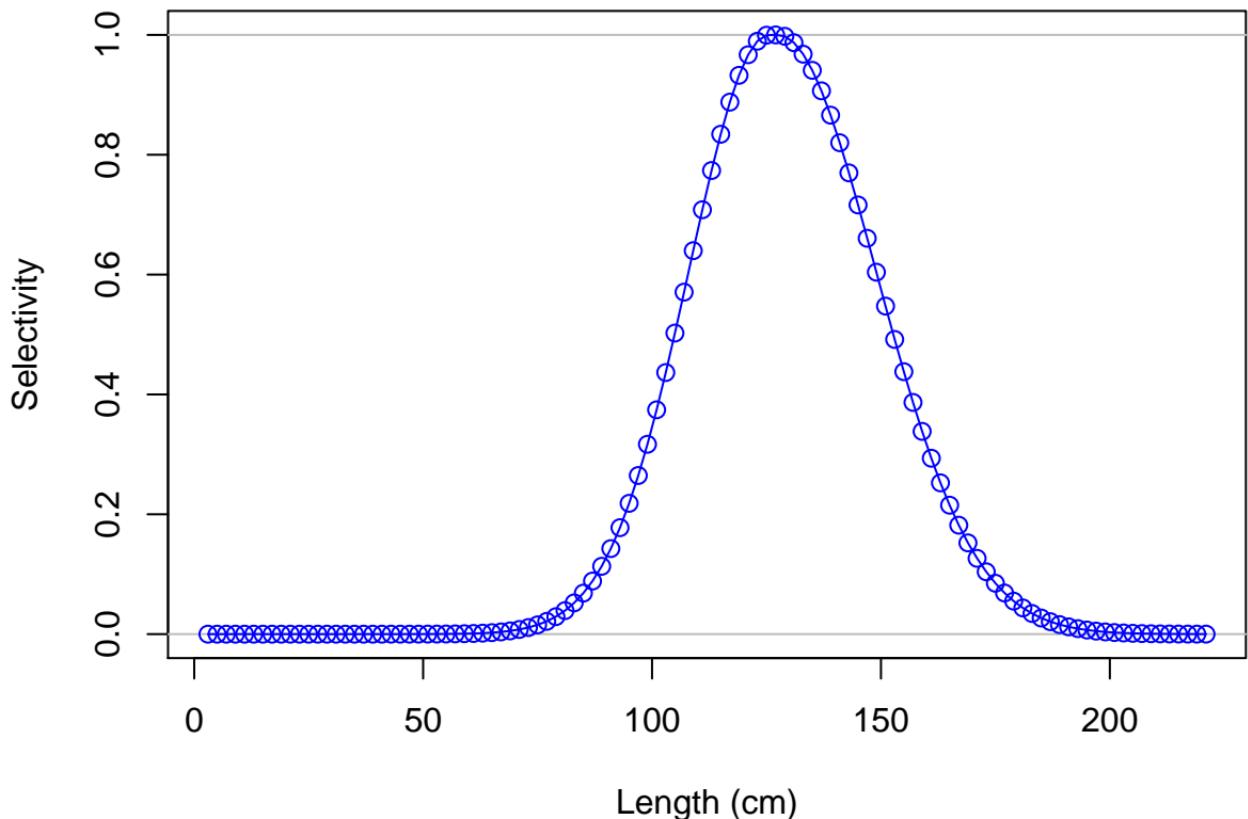
## Male ending year selectivity for A5–LL–w



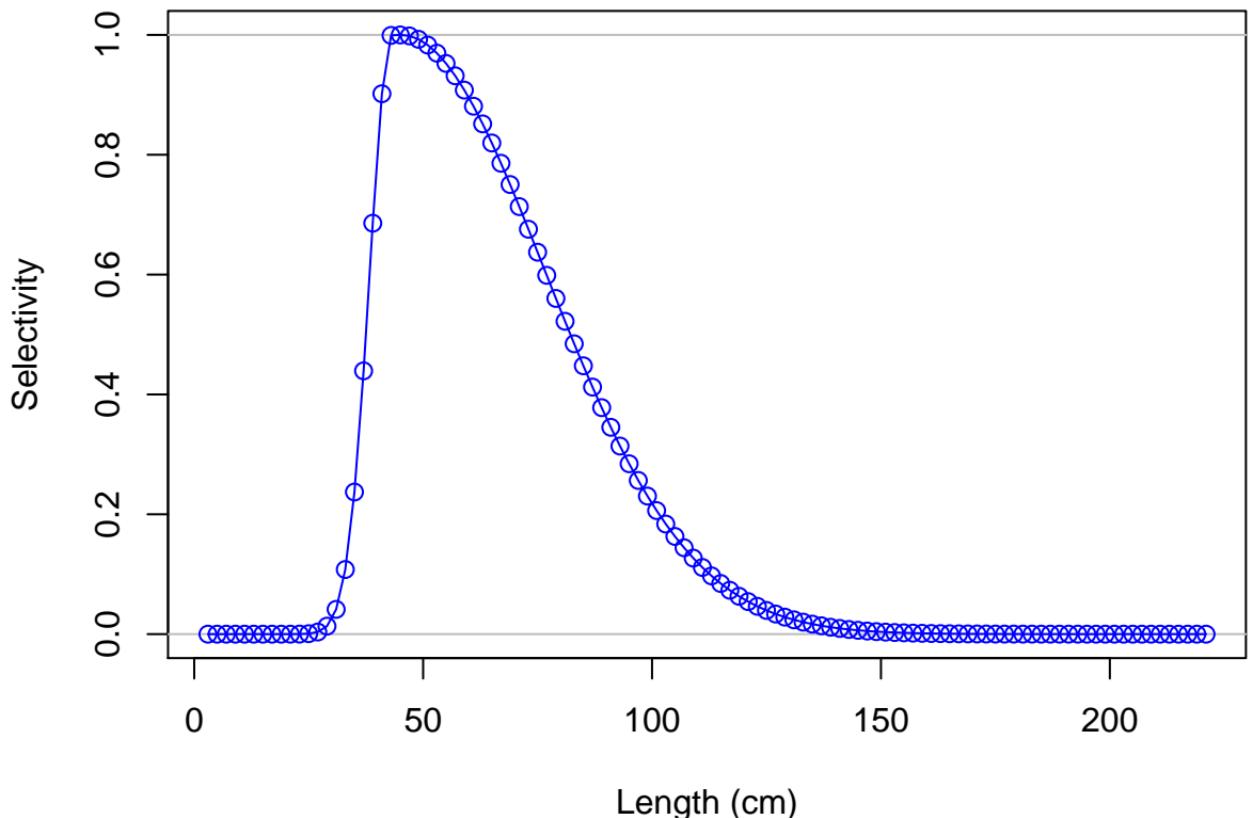
## Female ending year selectivity for A6-LL-w



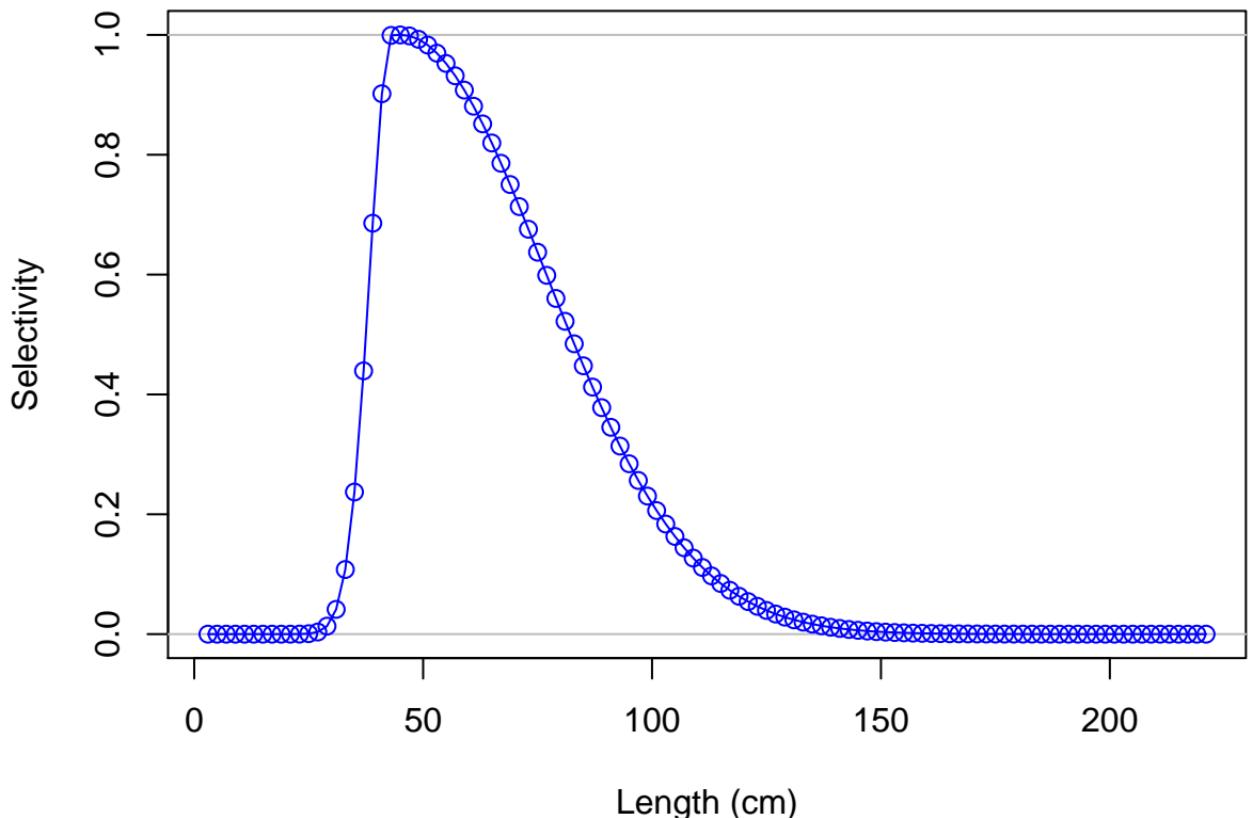
## Male ending year selectivity for A6-LL-w



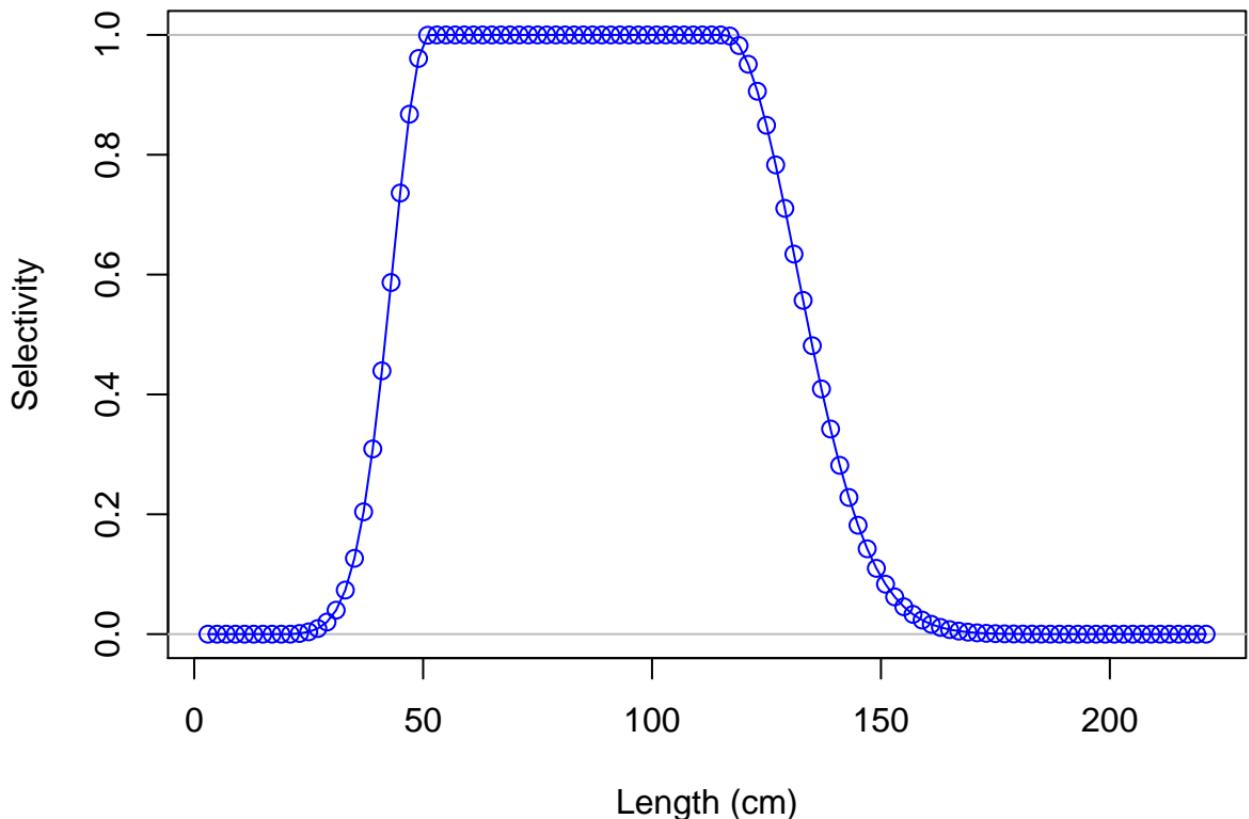
## Female ending year selectivity for A2-OBJ



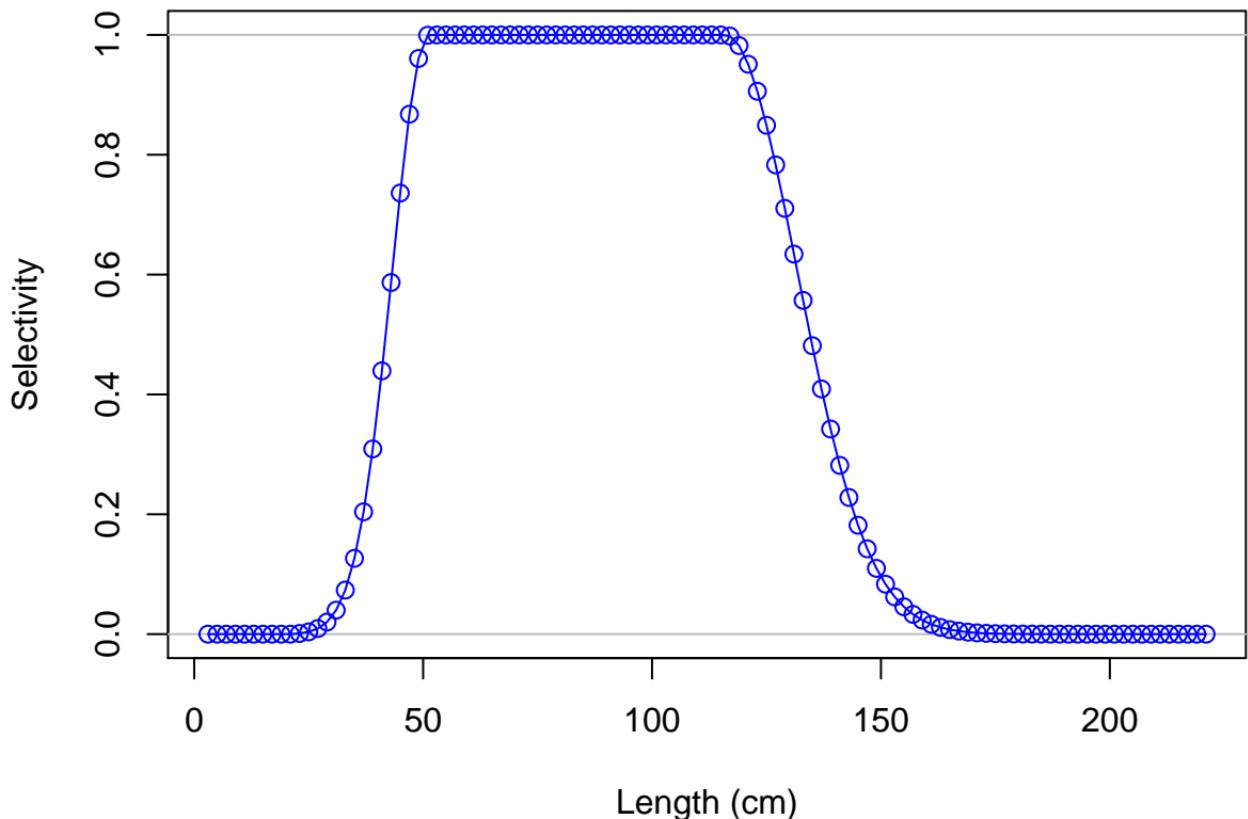
## Male ending year selectivity for A2–OBJ



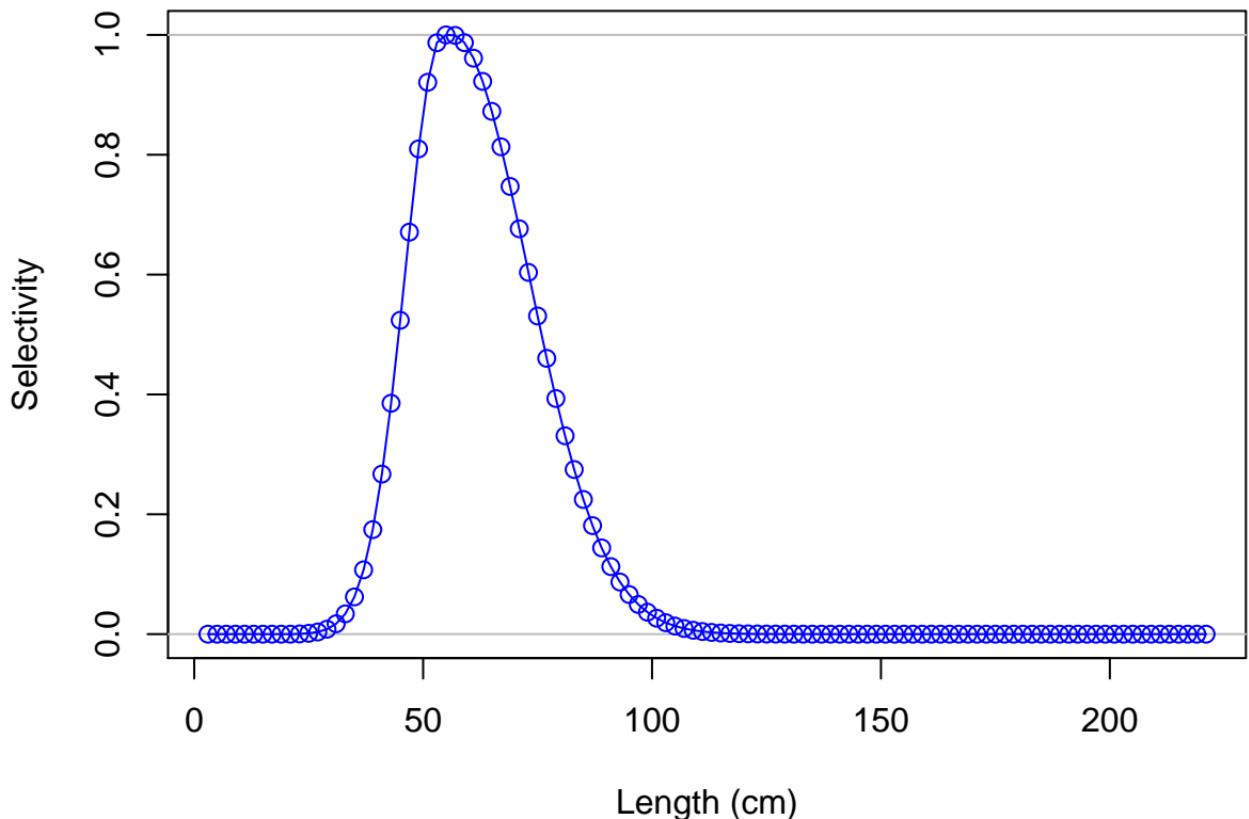
## Female ending year selectivity for A3-OBJ



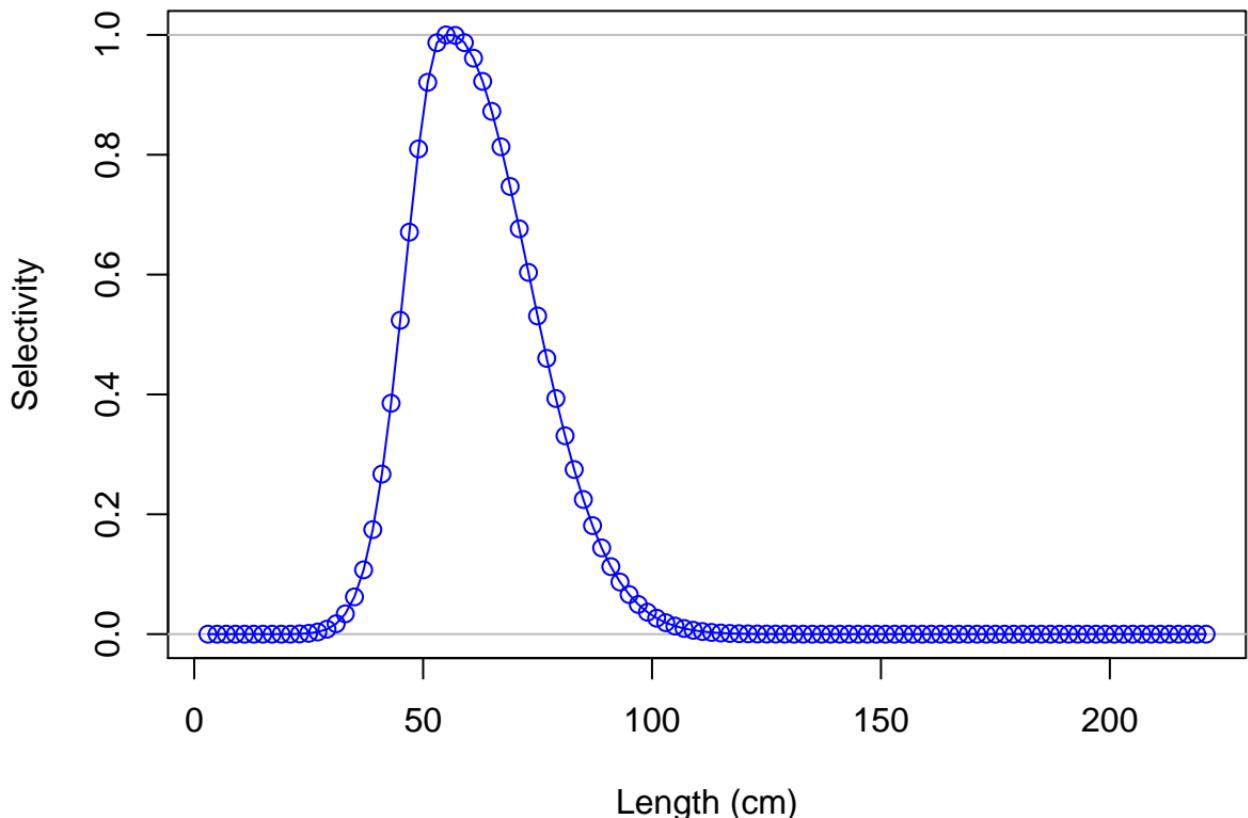
## Male ending year selectivity for A3–OBJ



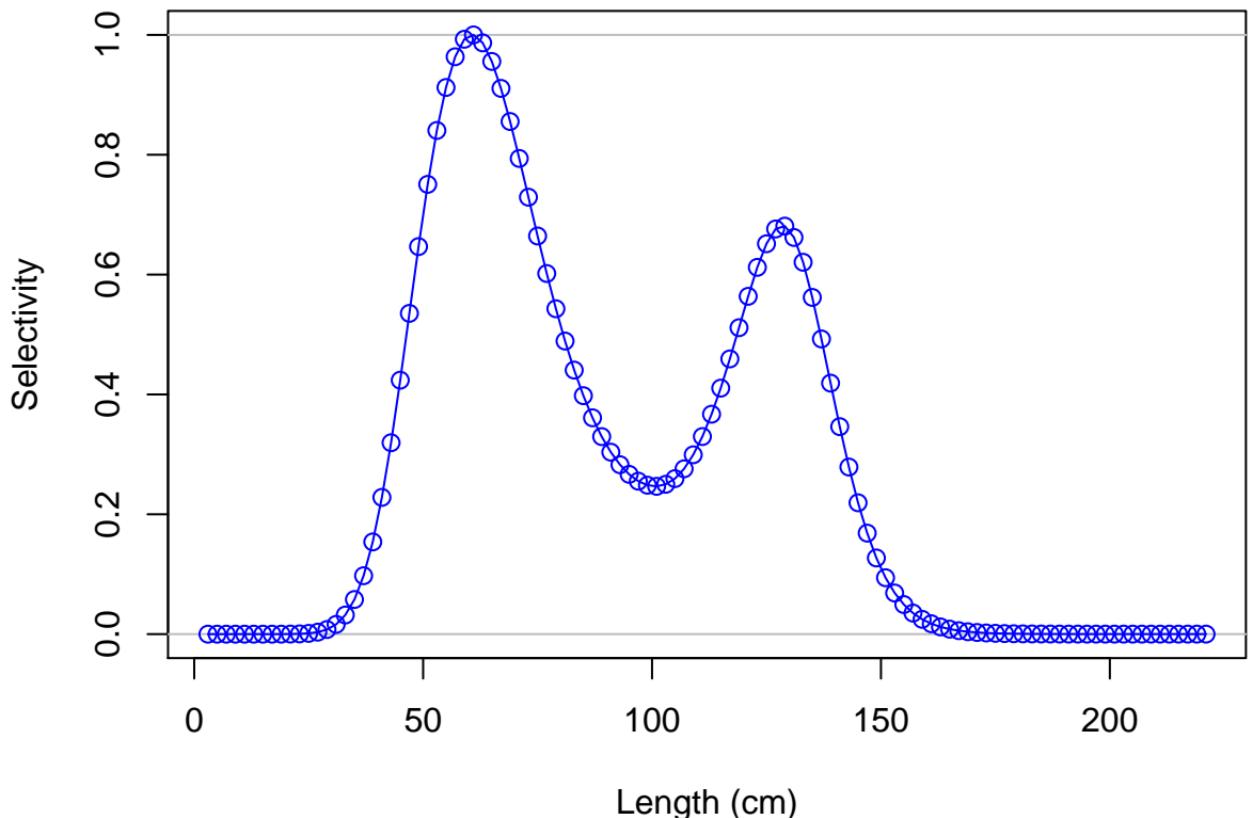
## Female ending year selectivity for A4-OBJ



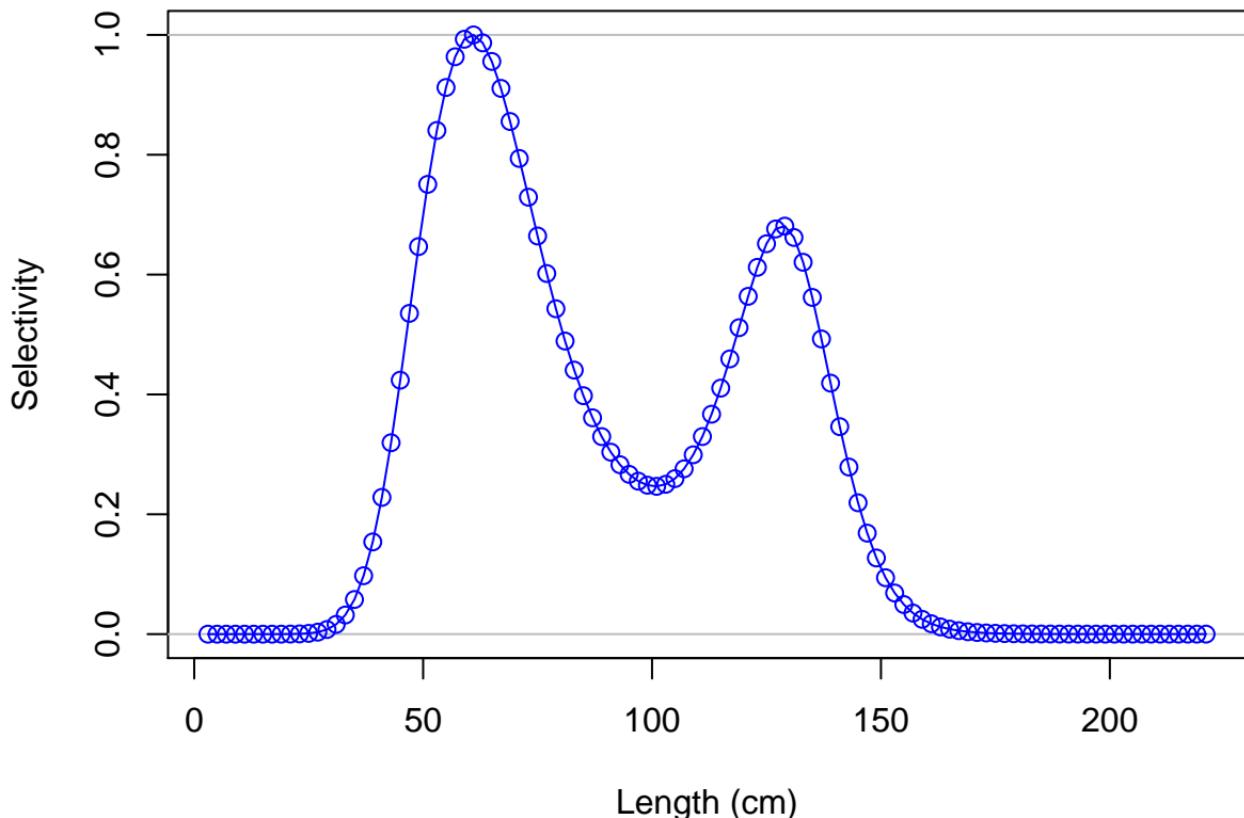
## Male ending year selectivity for A4–OBJ



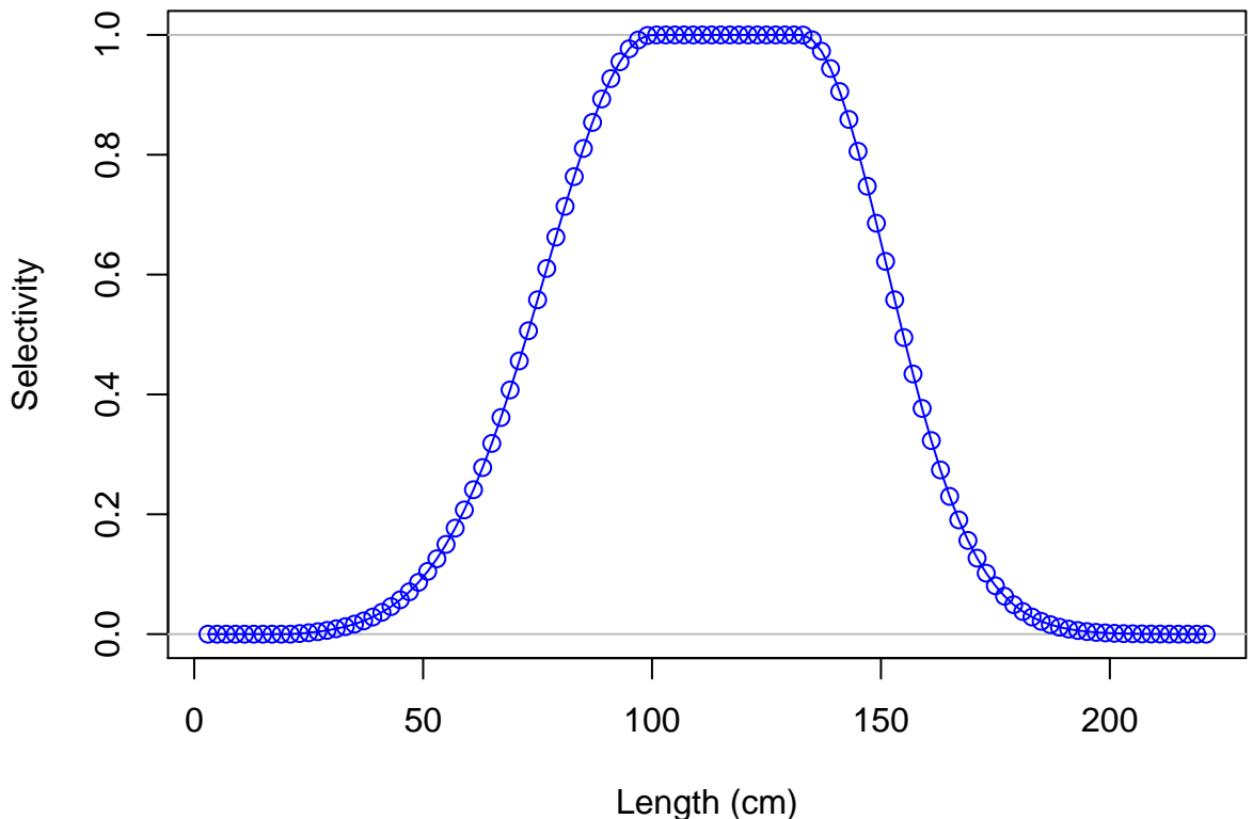
## Female ending year selectivity for A5-OBJ



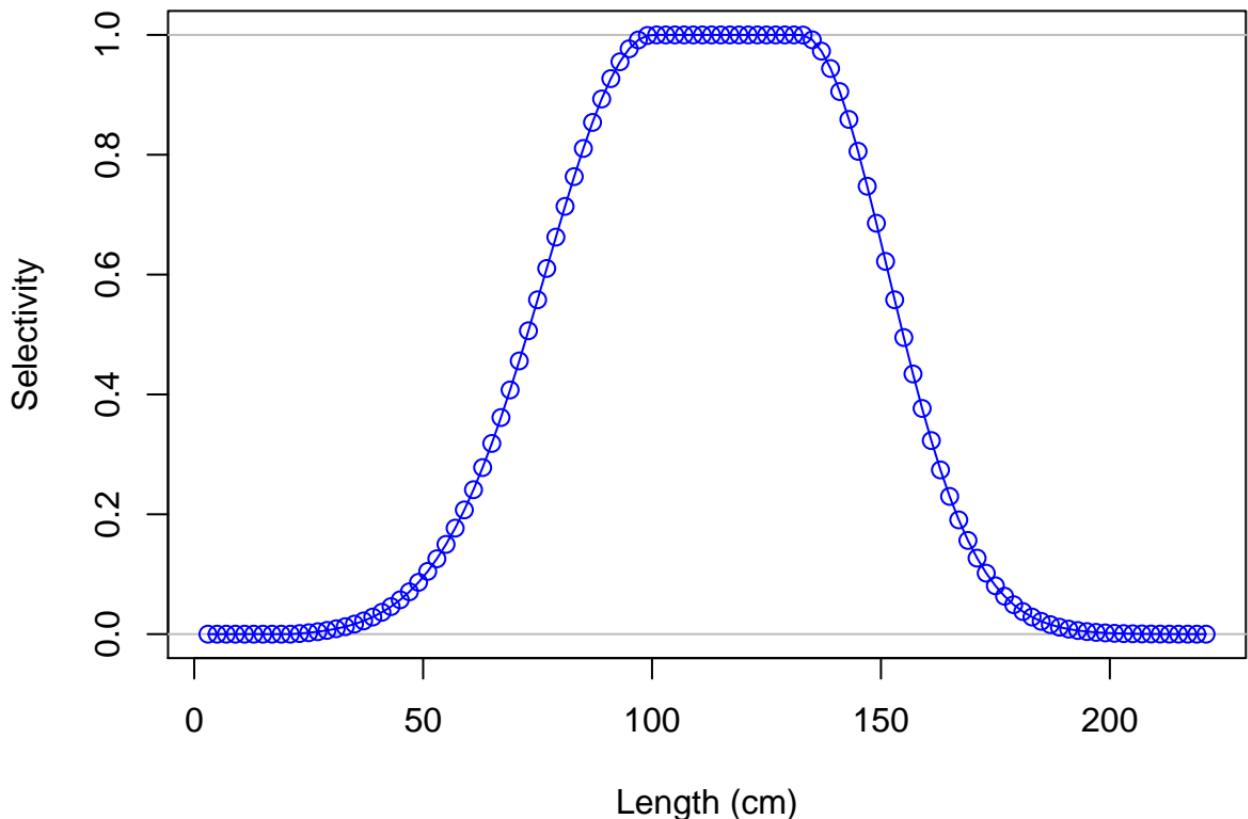
## Male ending year selectivity for A5–OBJ



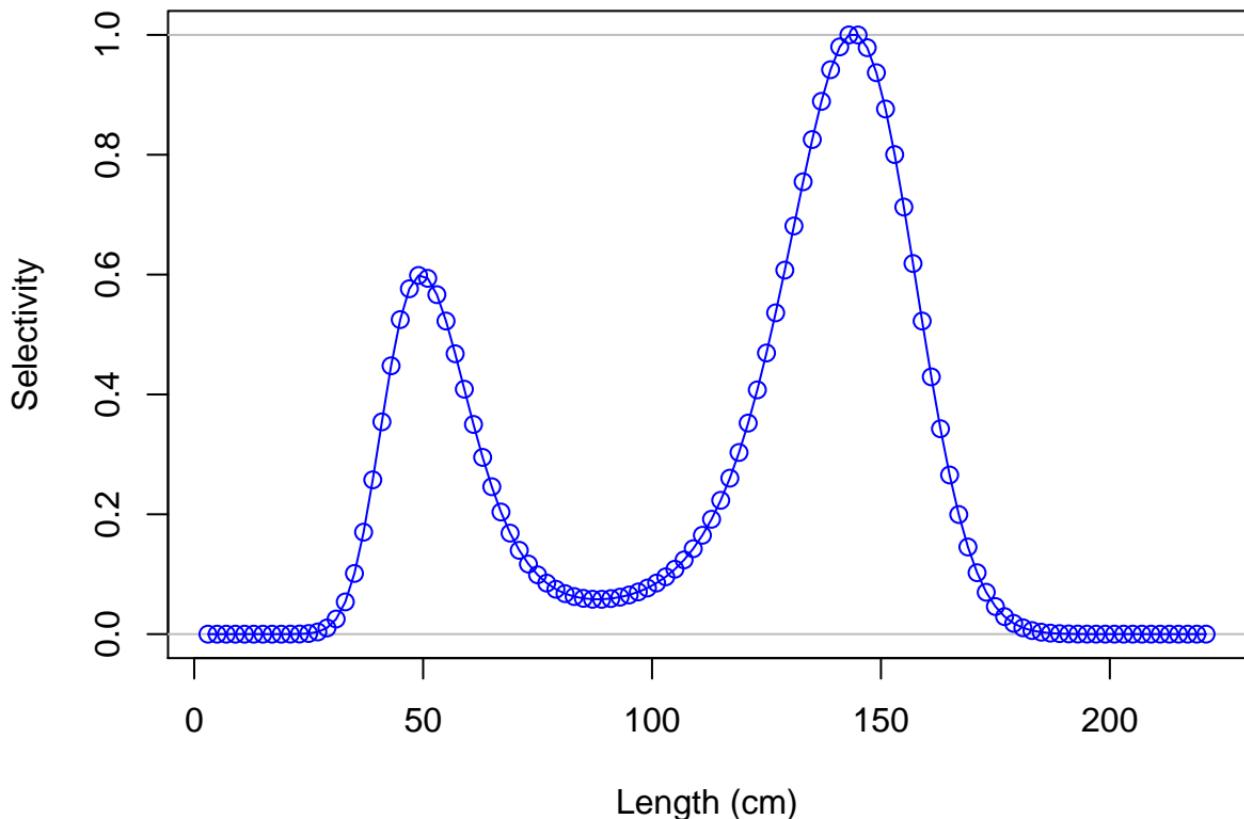
## Female ending year selectivity for A6-OBJ



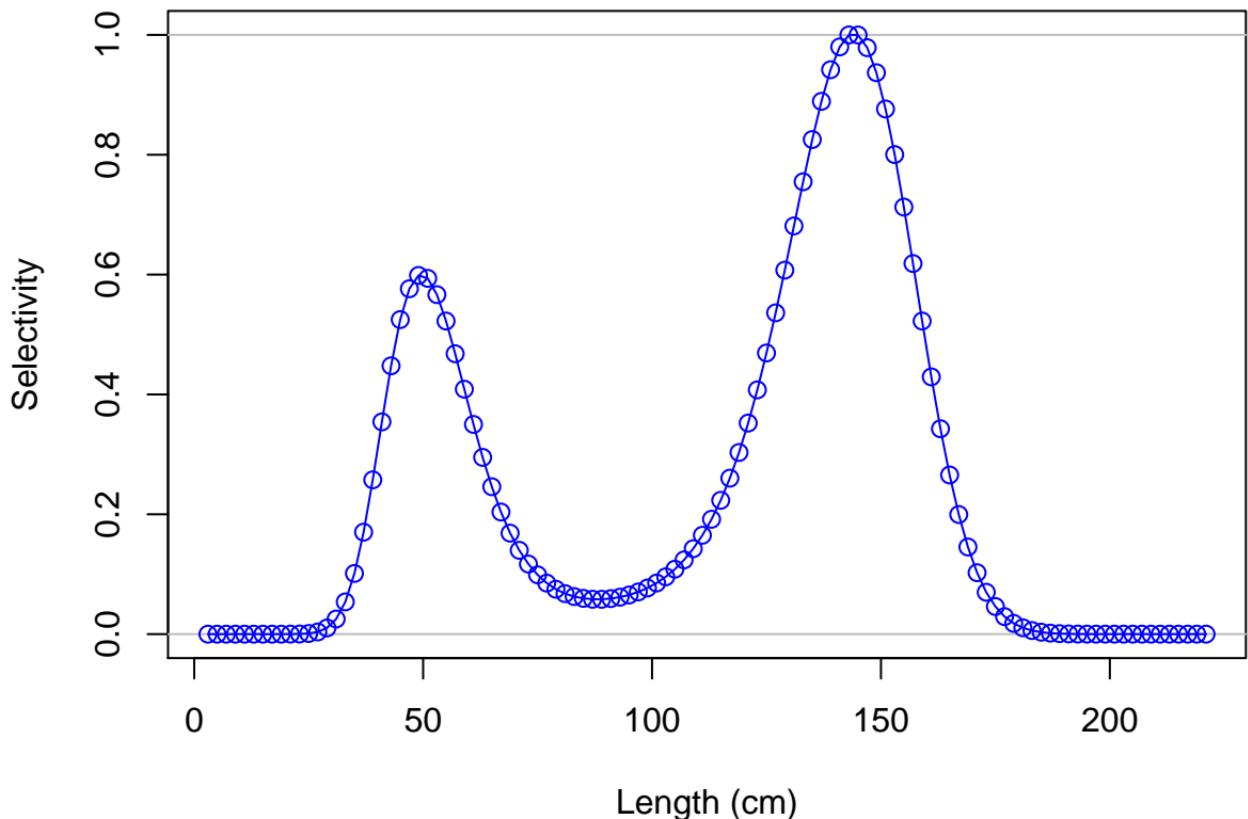
## Male ending year selectivity for A6–OBJ



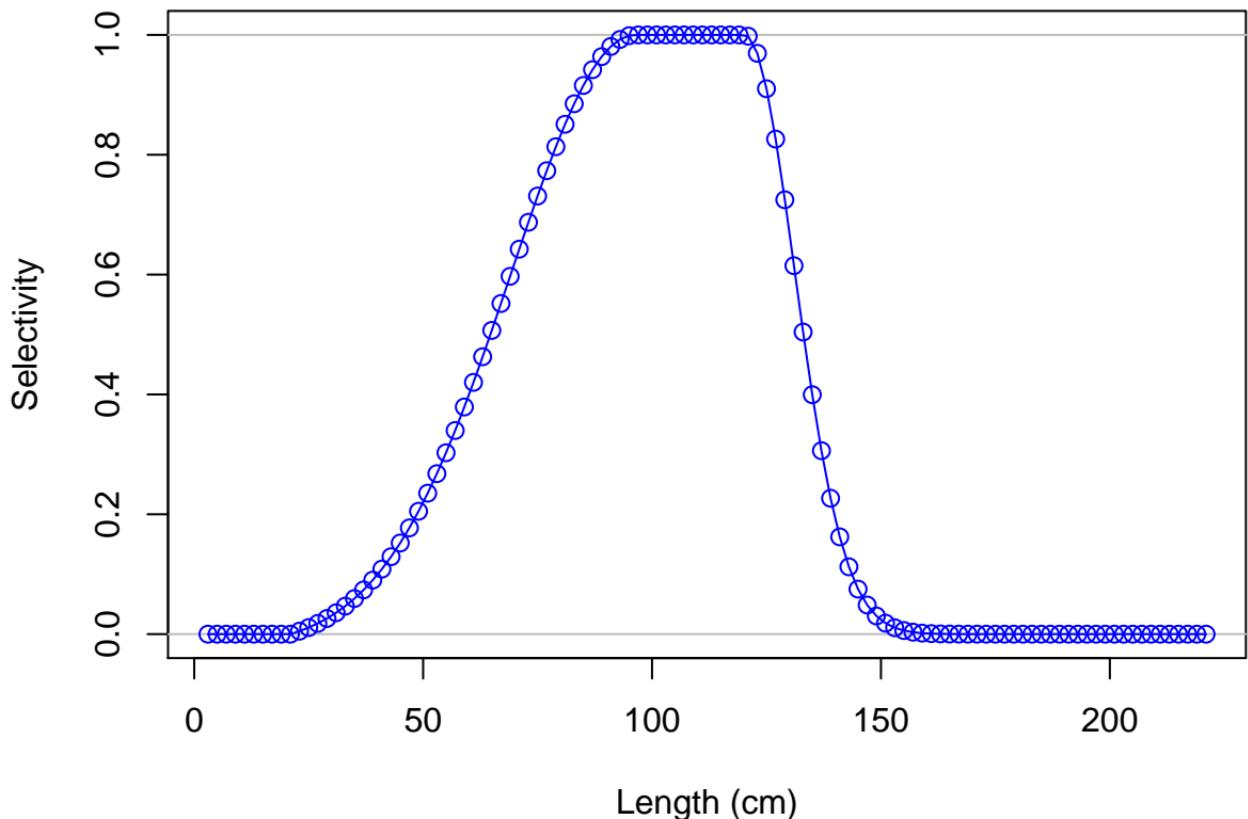
## Female ending year selectivity for A2–NOADEL



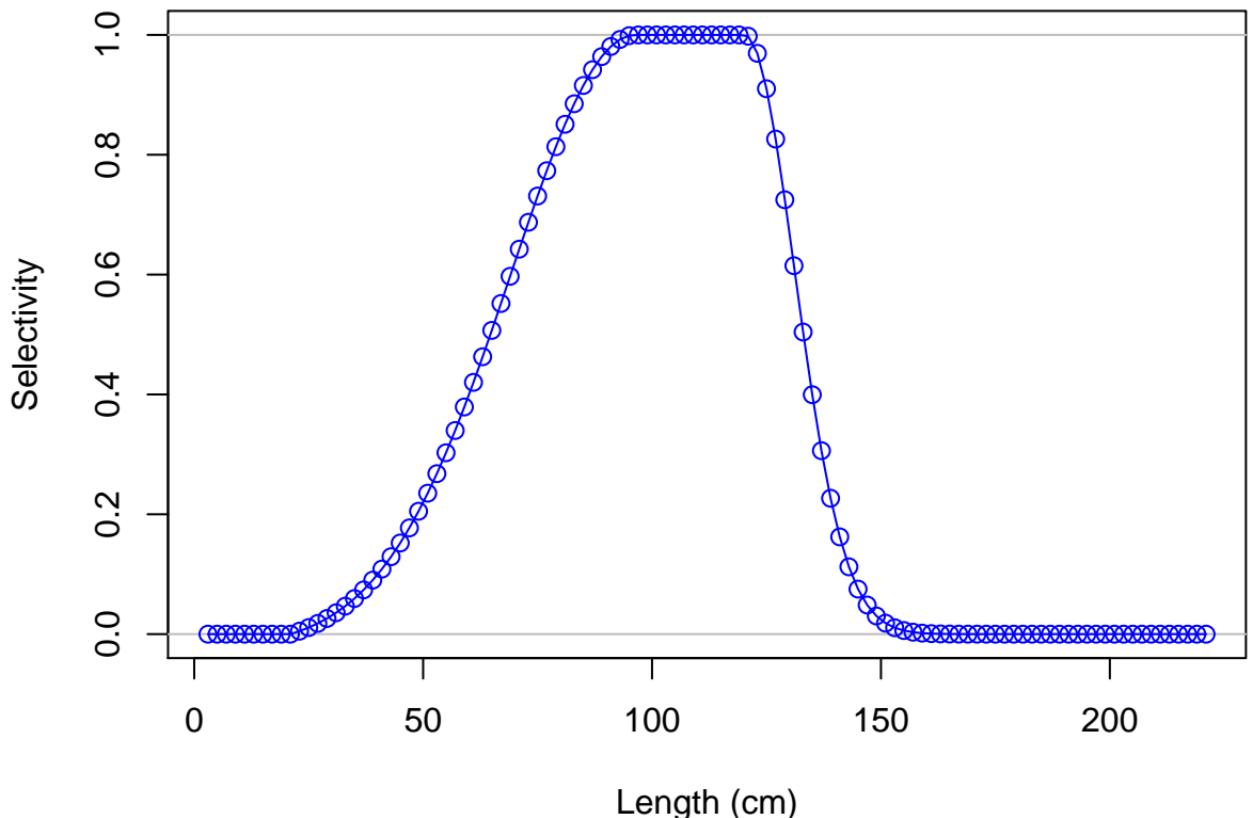
## Male ending year selectivity for A2-NOADEL



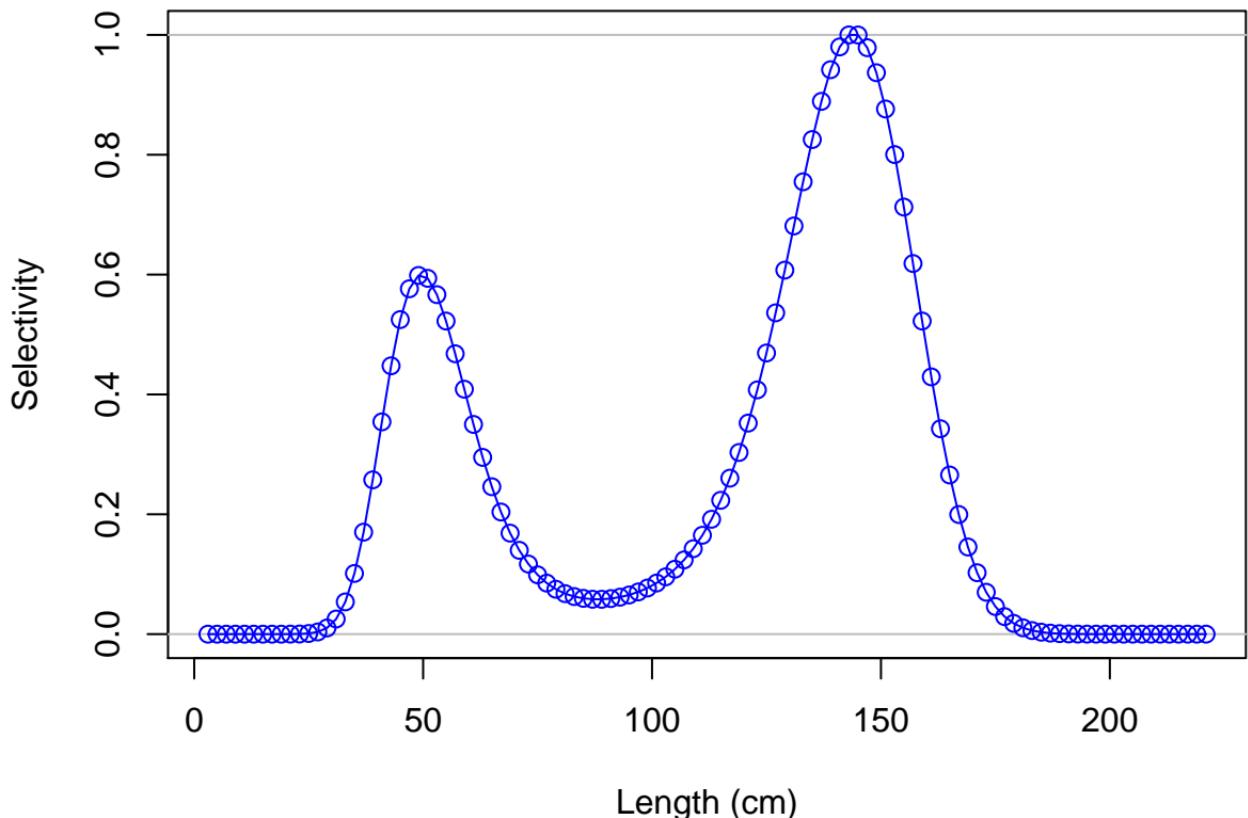
## **Female ending year selectivity for A3–NOADEL**



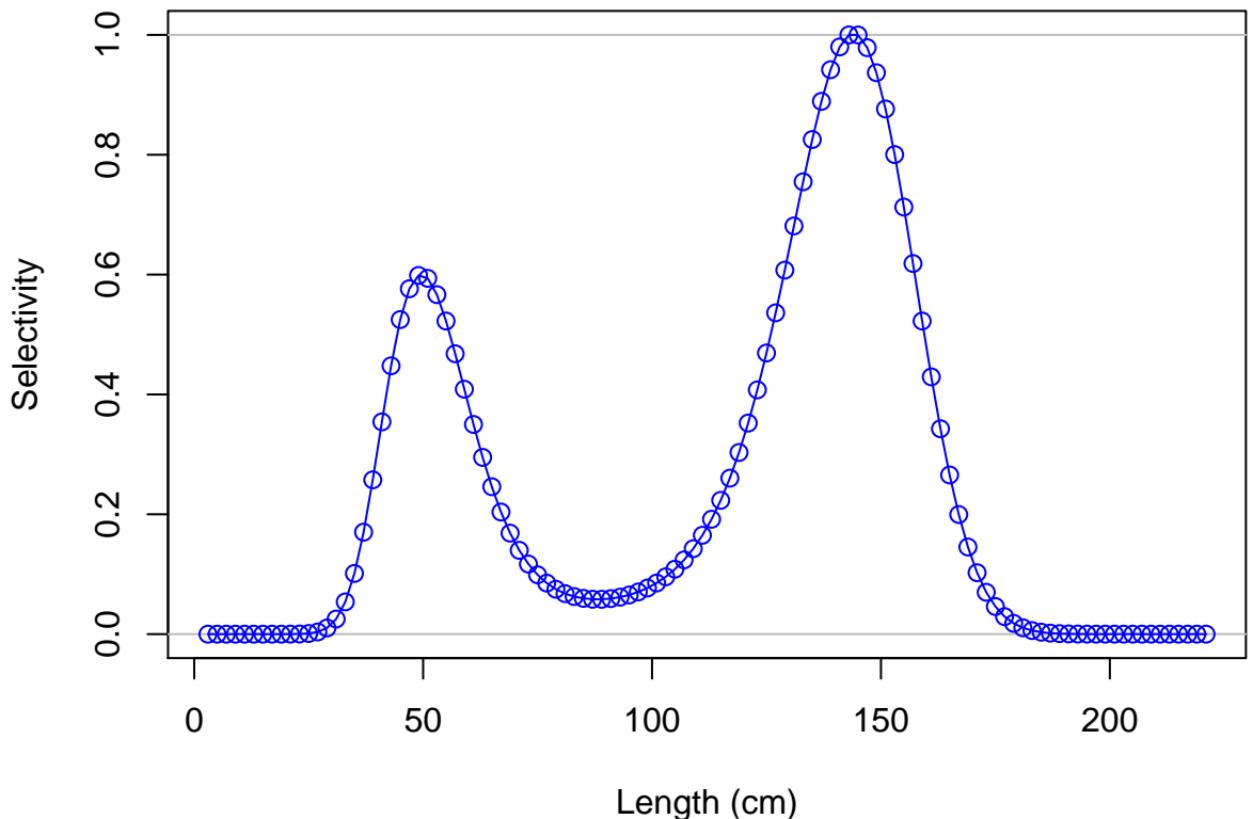
## Male ending year selectivity for A3–NOADEL



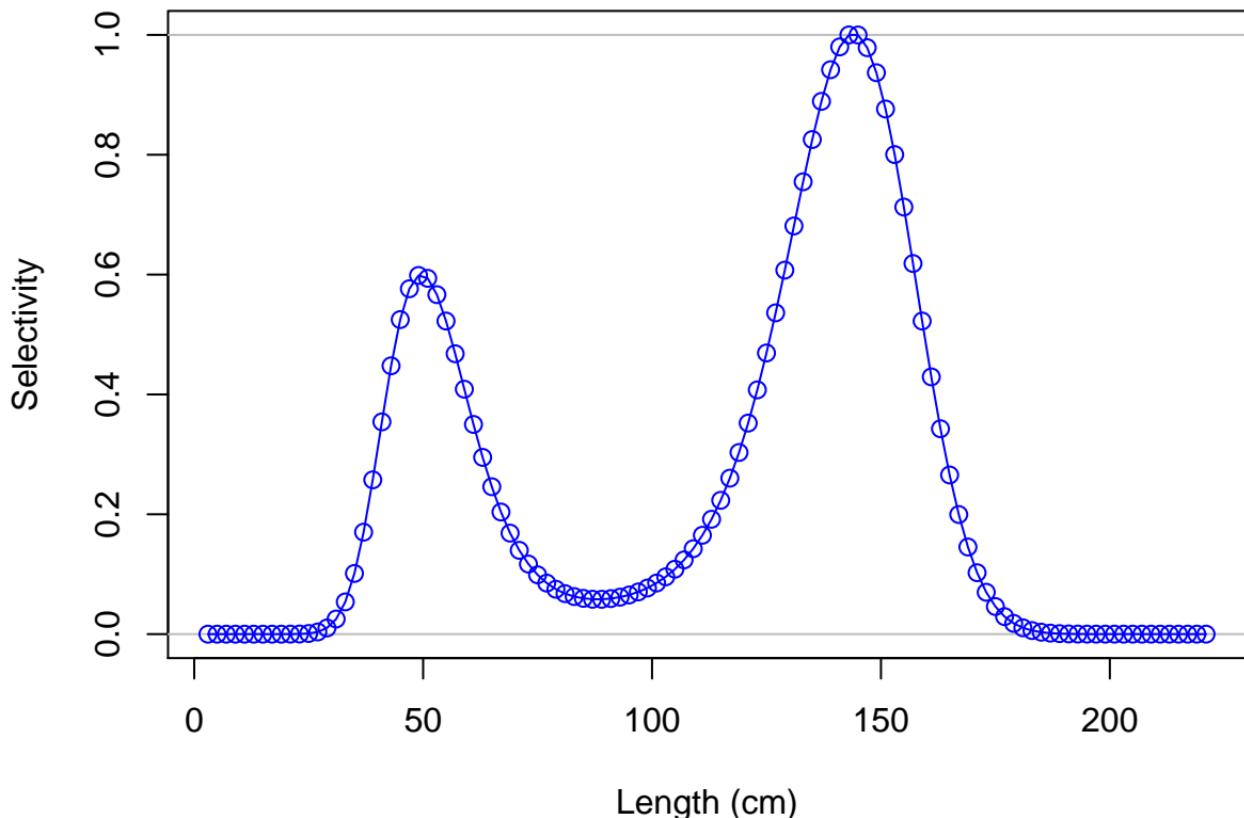
## Female ending year selectivity for A4–NOADEL



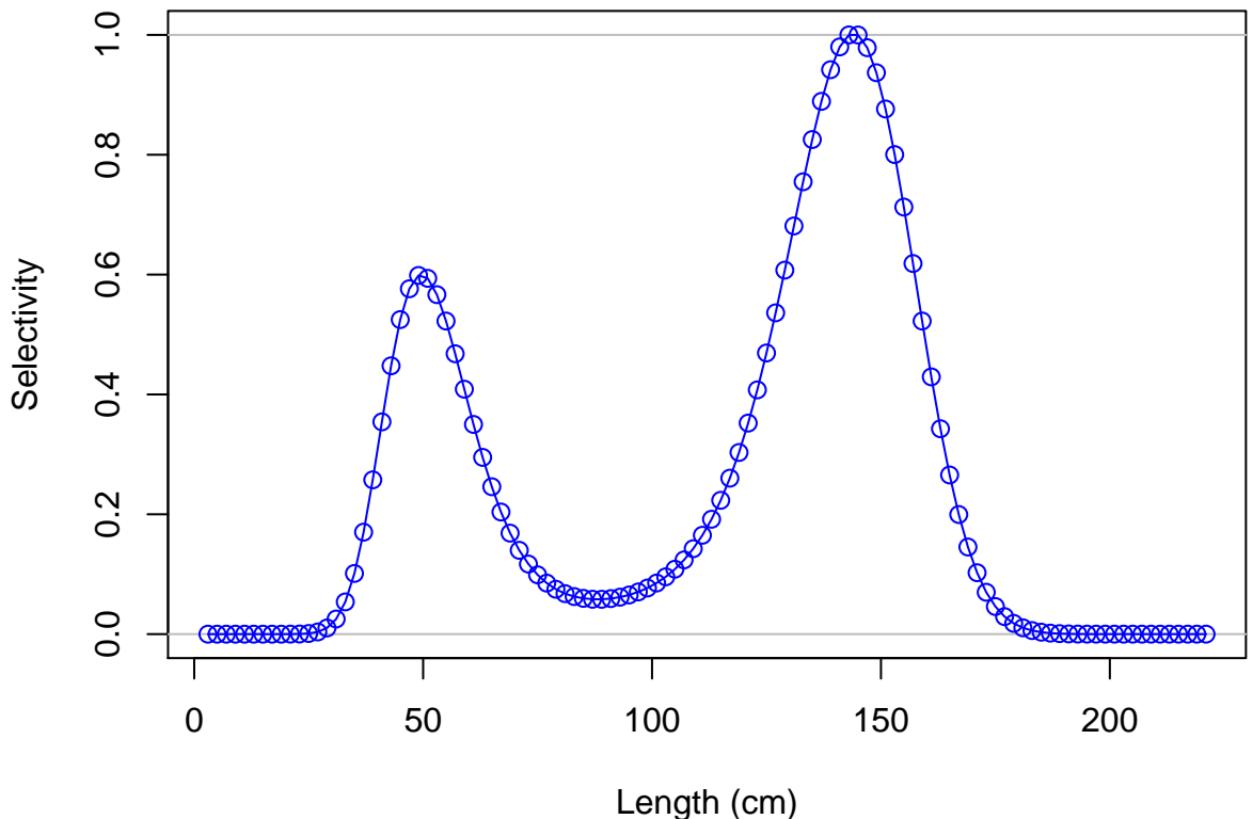
## Male ending year selectivity for A4–NOADEL



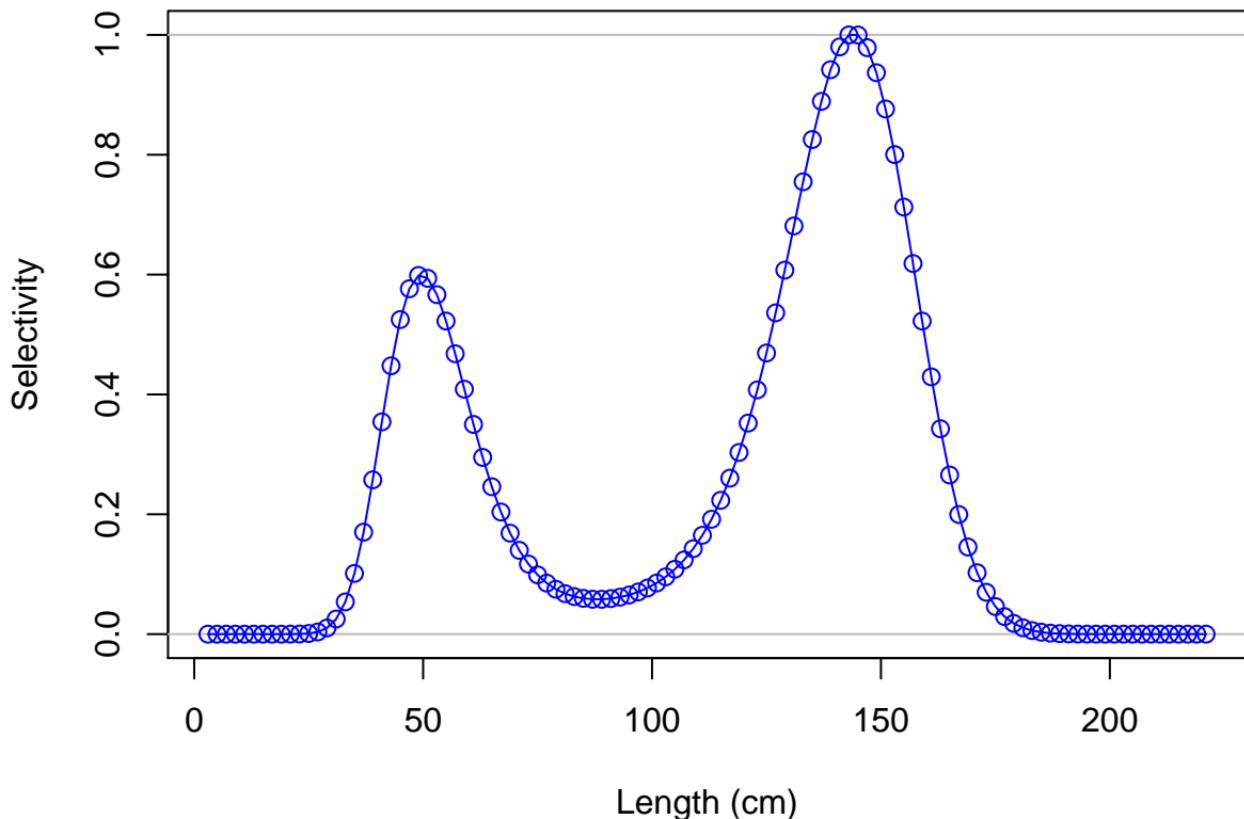
## Female ending year selectivity for A5–NOADEL



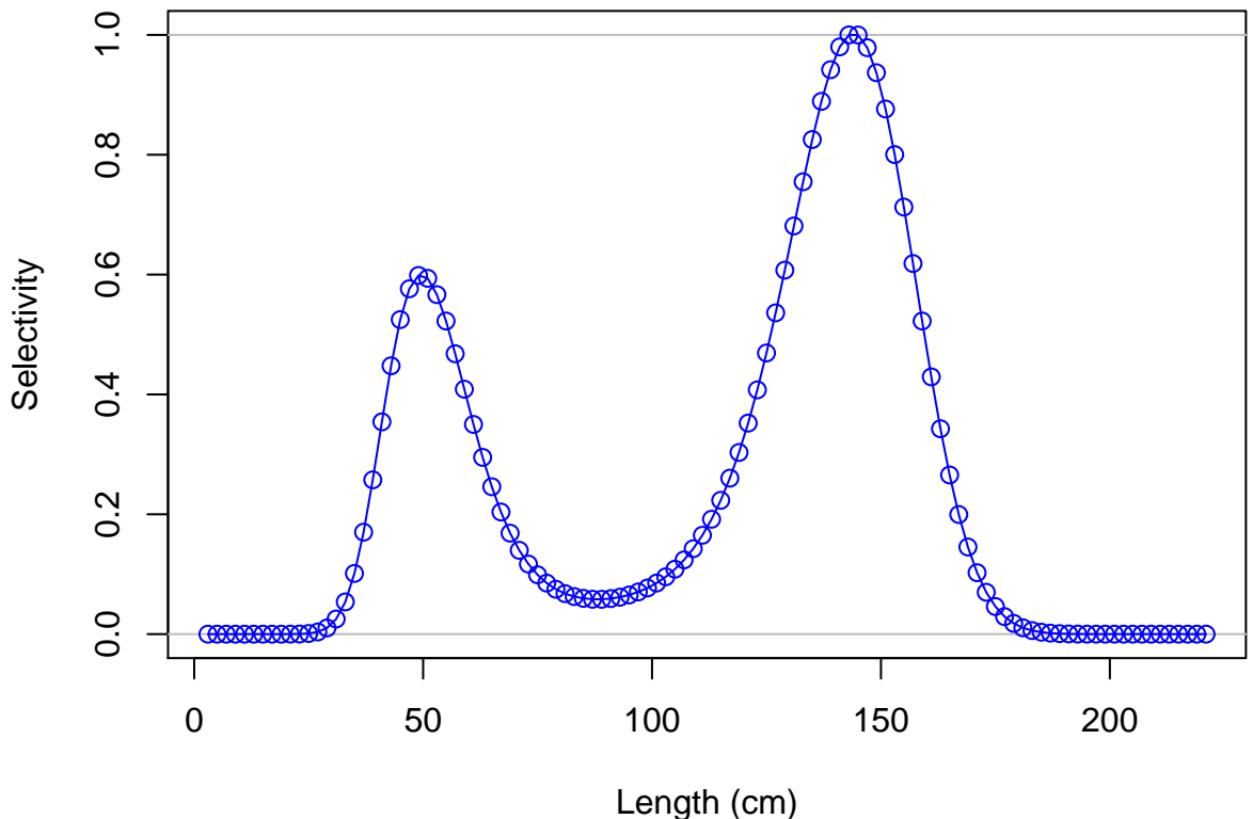
## Male ending year selectivity for A5-NOADEL



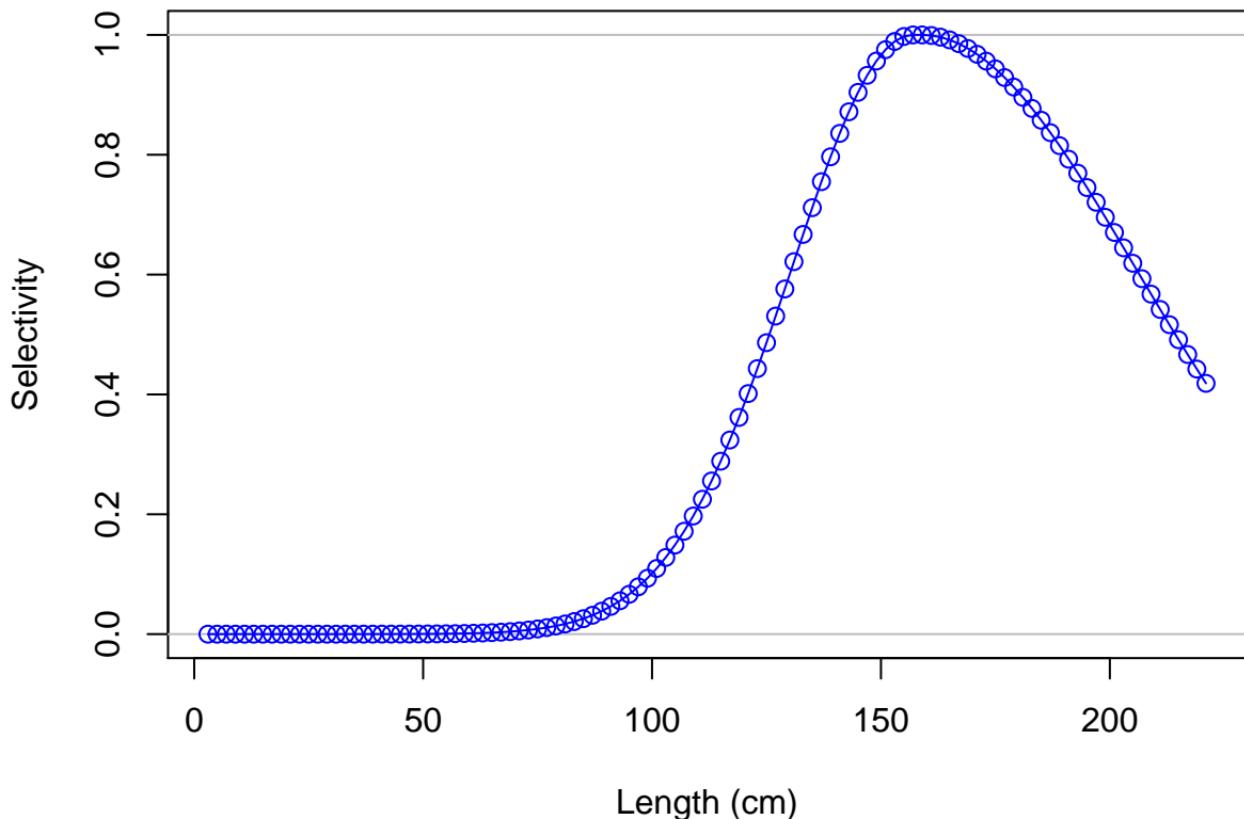
## Female ending year selectivity for A6–NOADEL



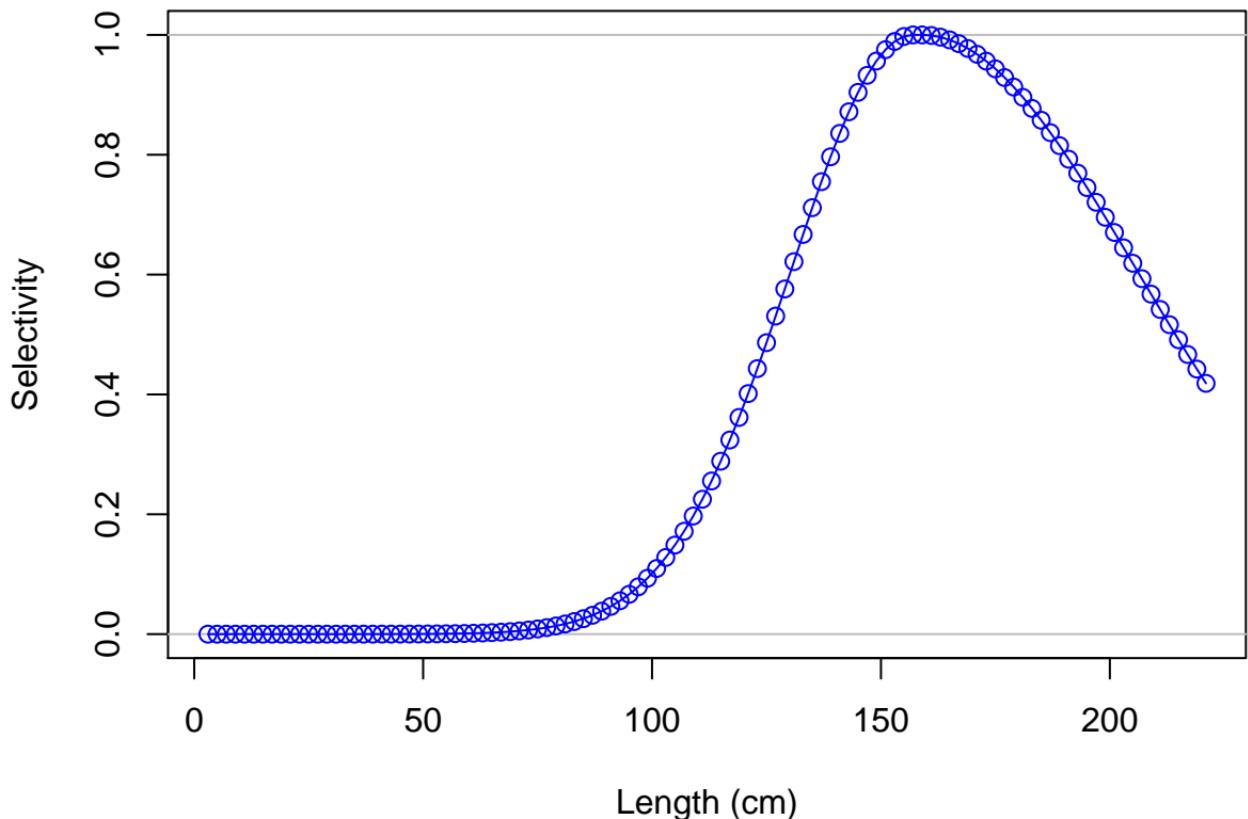
## Male ending year selectivity for A6-NOADEL



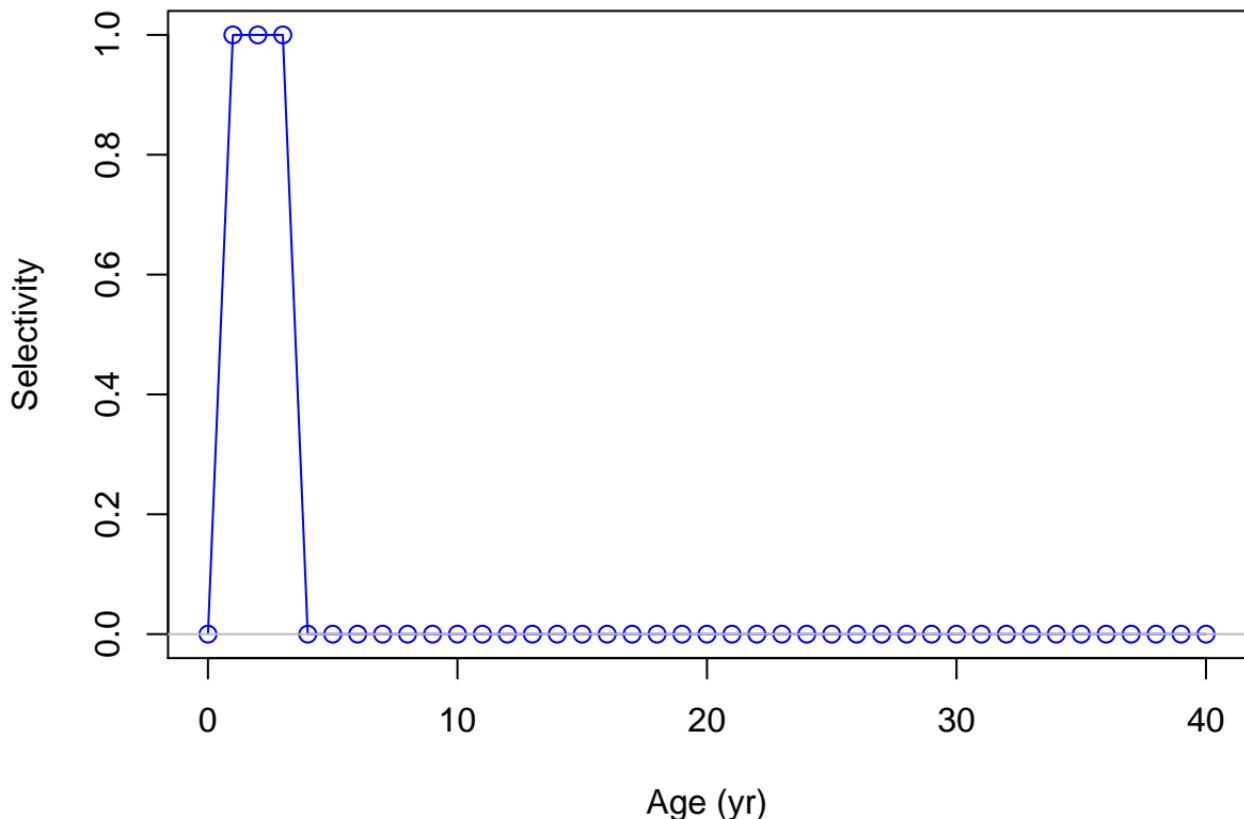
## Female ending year selectivity for EPO-LL-survey-late



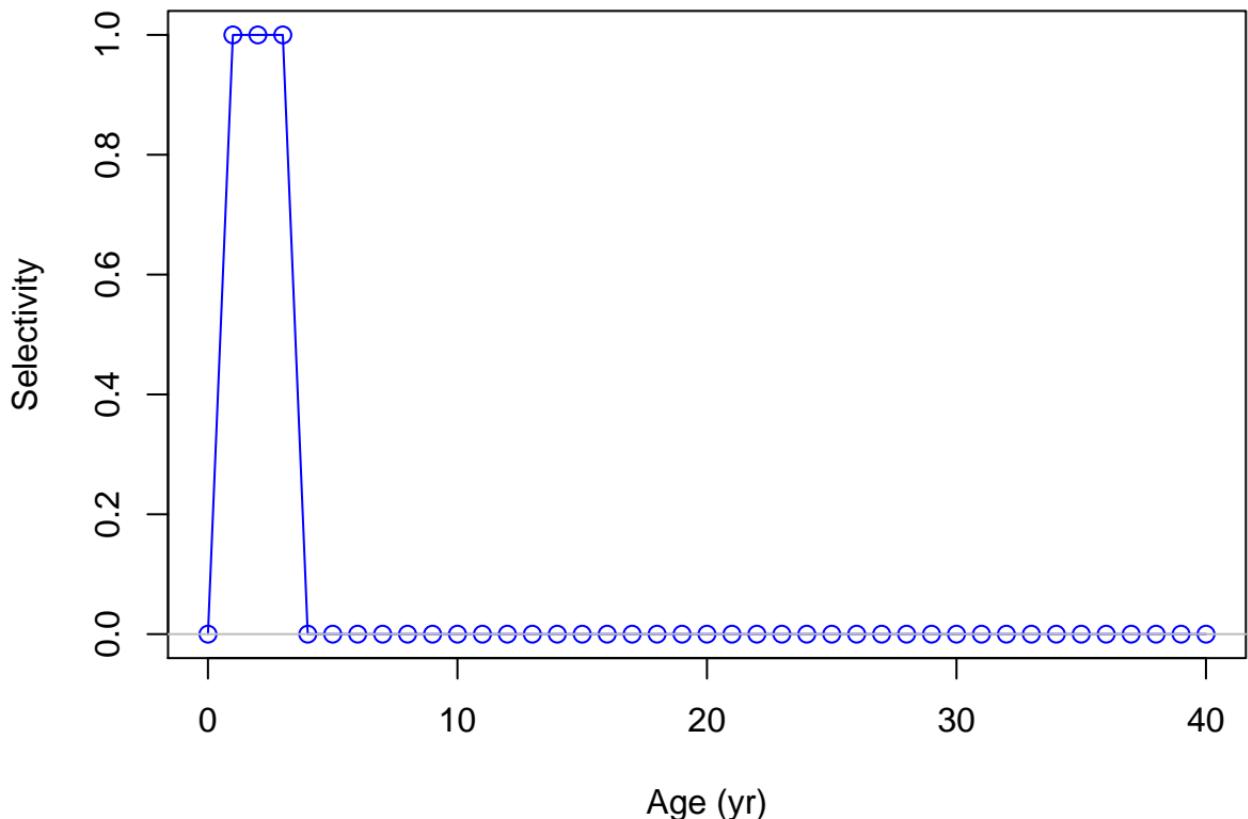
## Male ending year selectivity for EPO-LL-survey-late



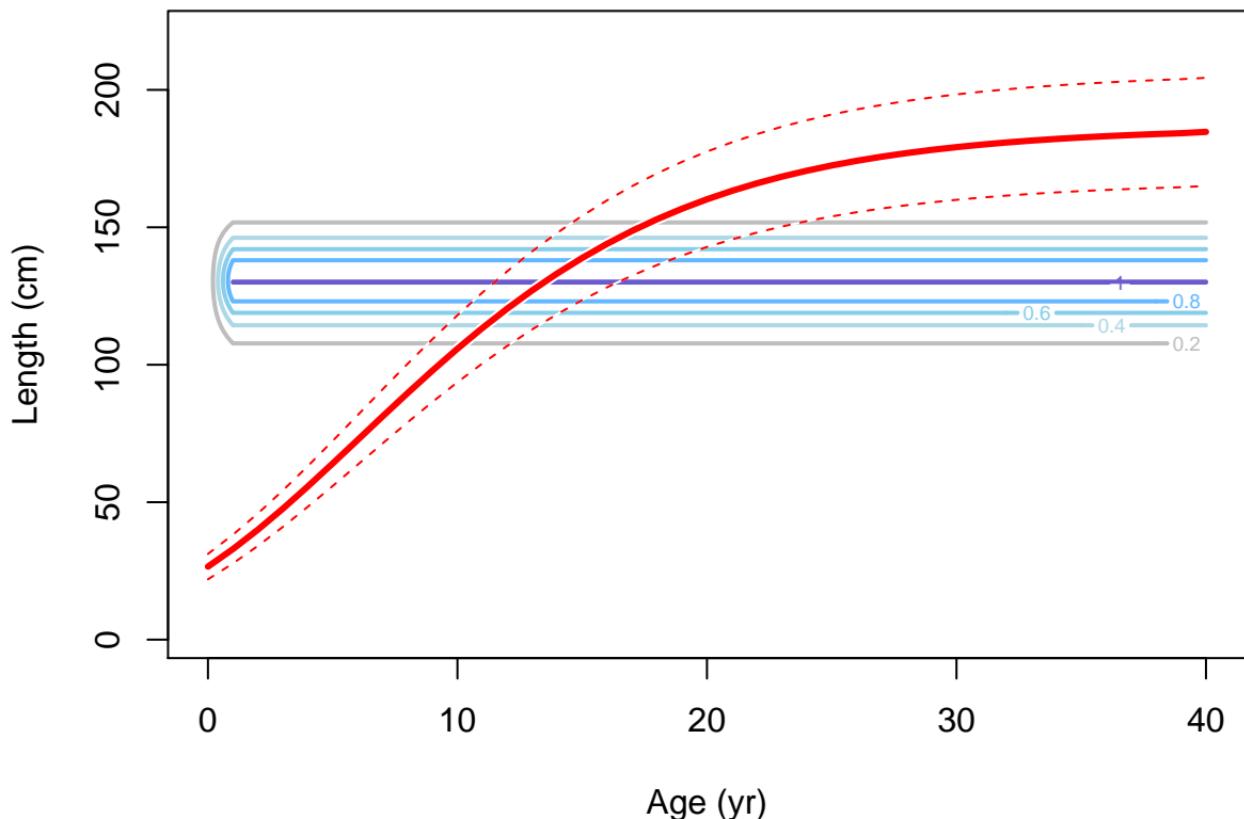
## Female ending year selectivity for EPO–OBJ–Disc



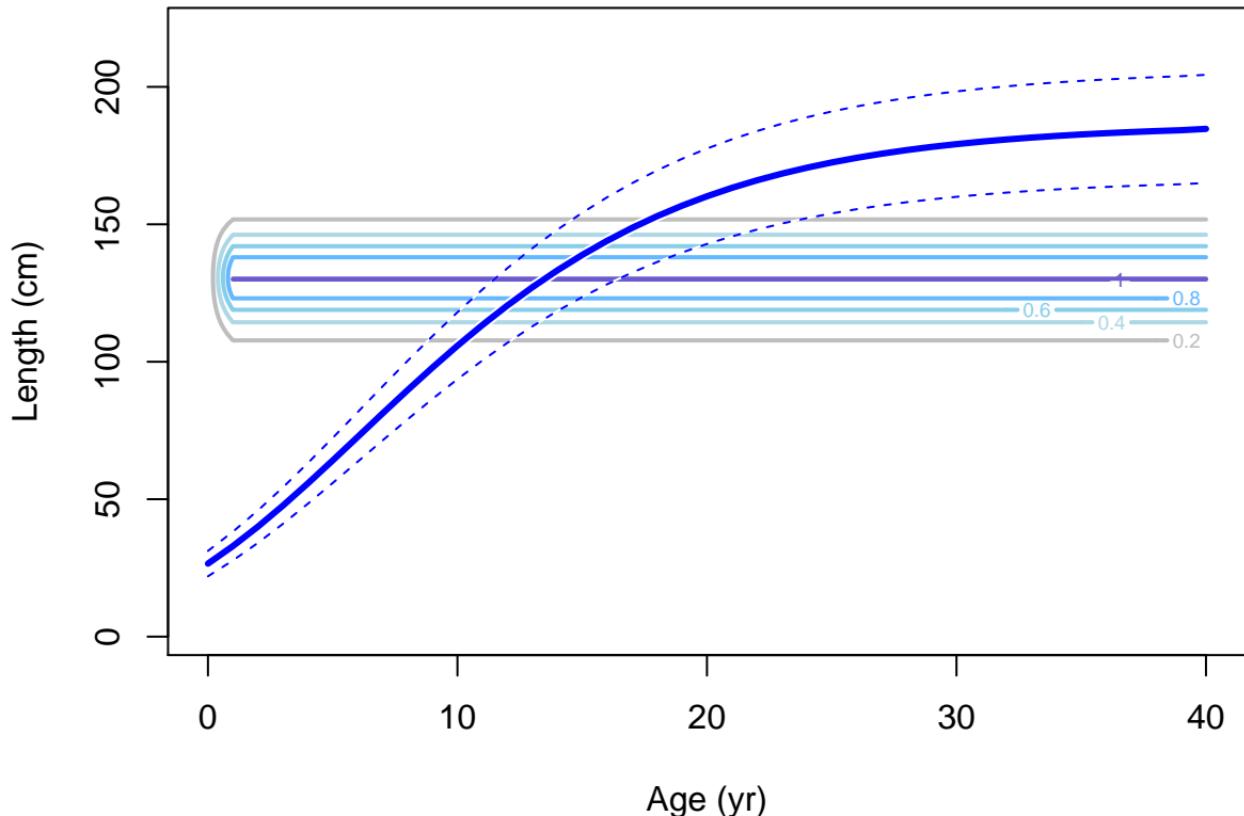
## Male ending year selectivity for EPO-OBJ-Disc



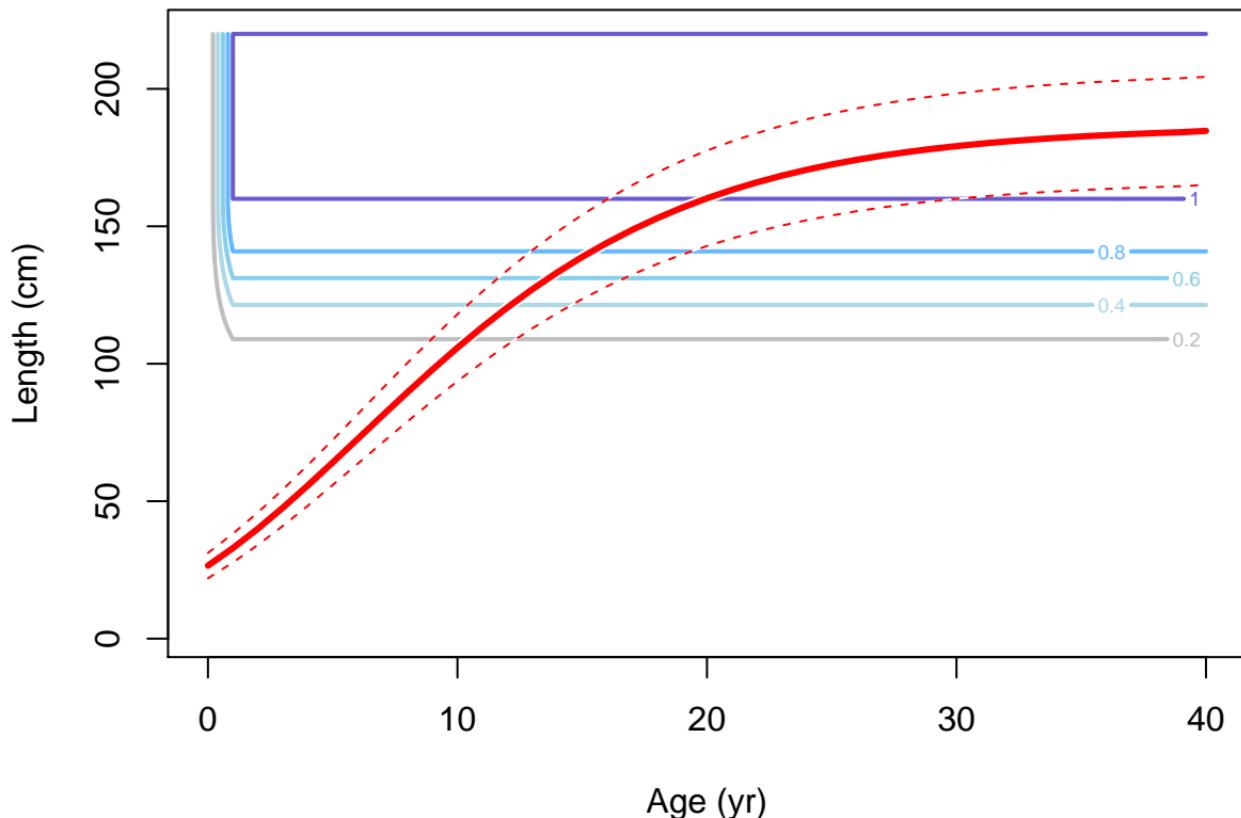
## Female ending year selectivity and growth for A1-LL-n



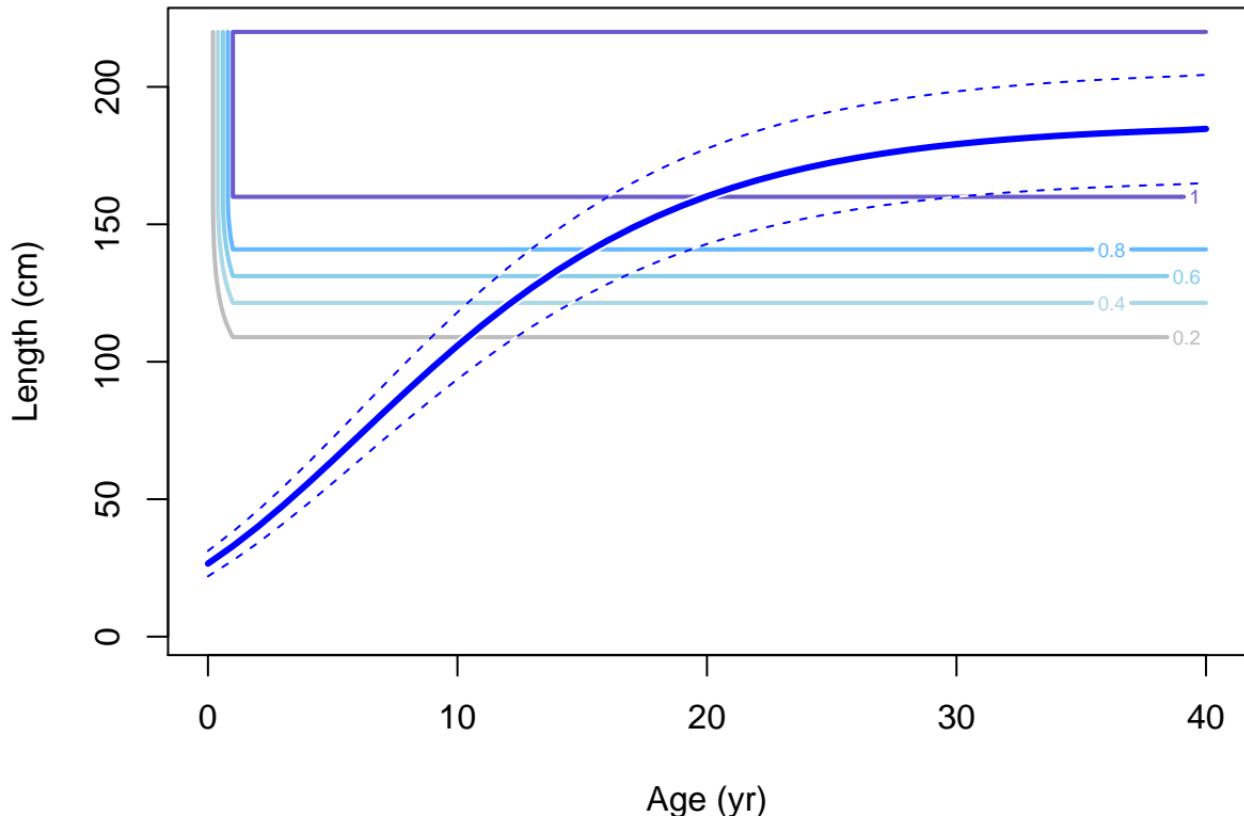
## Male ending year selectivity and growth for A1-LL-n



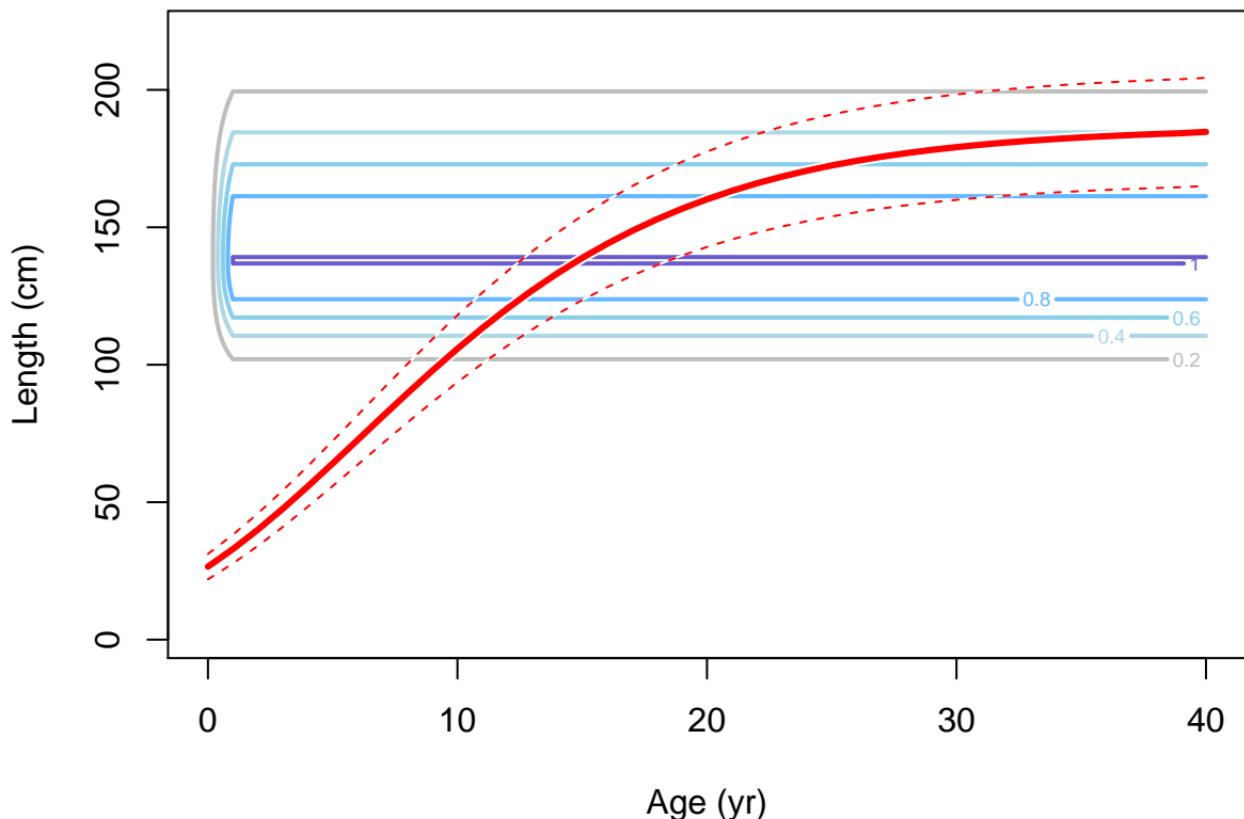
## Female ending year selectivity and growth for A2-LL-n



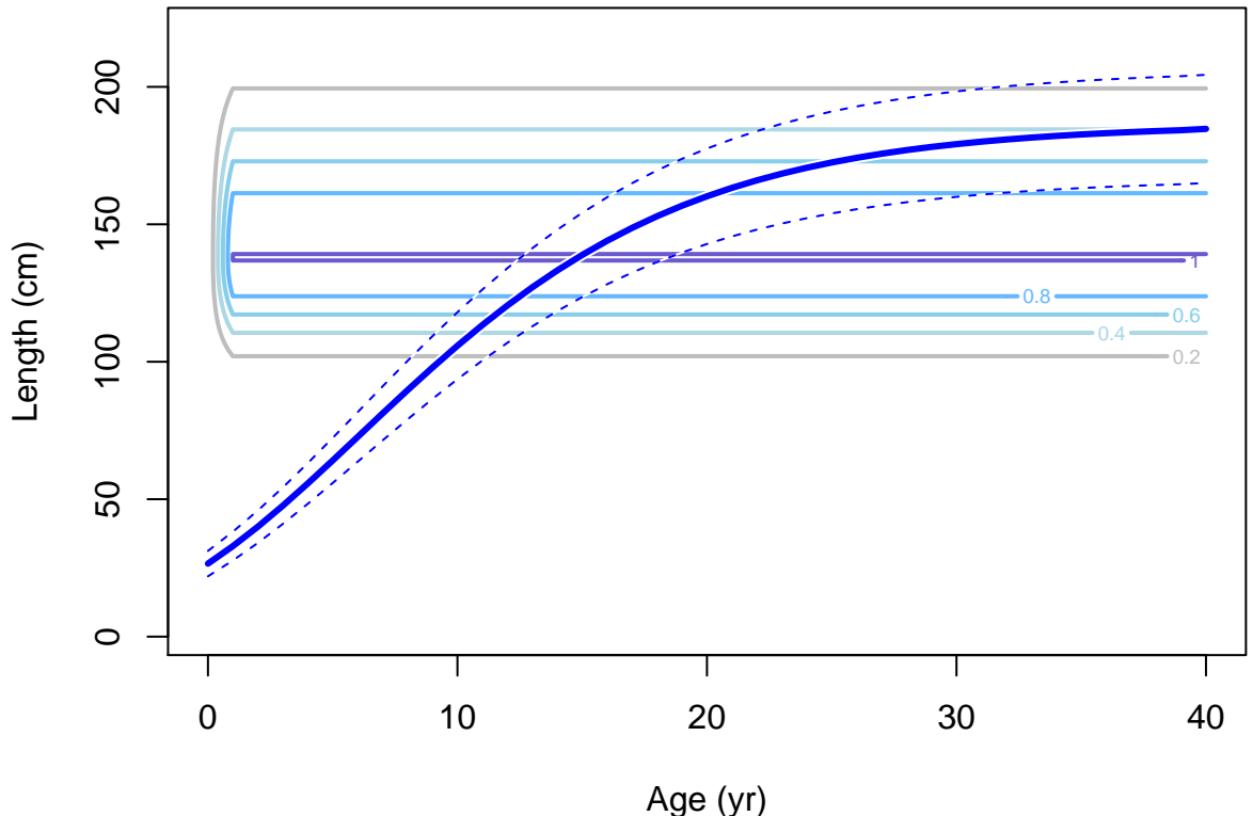
## Male ending year selectivity and growth for A2-LL-n



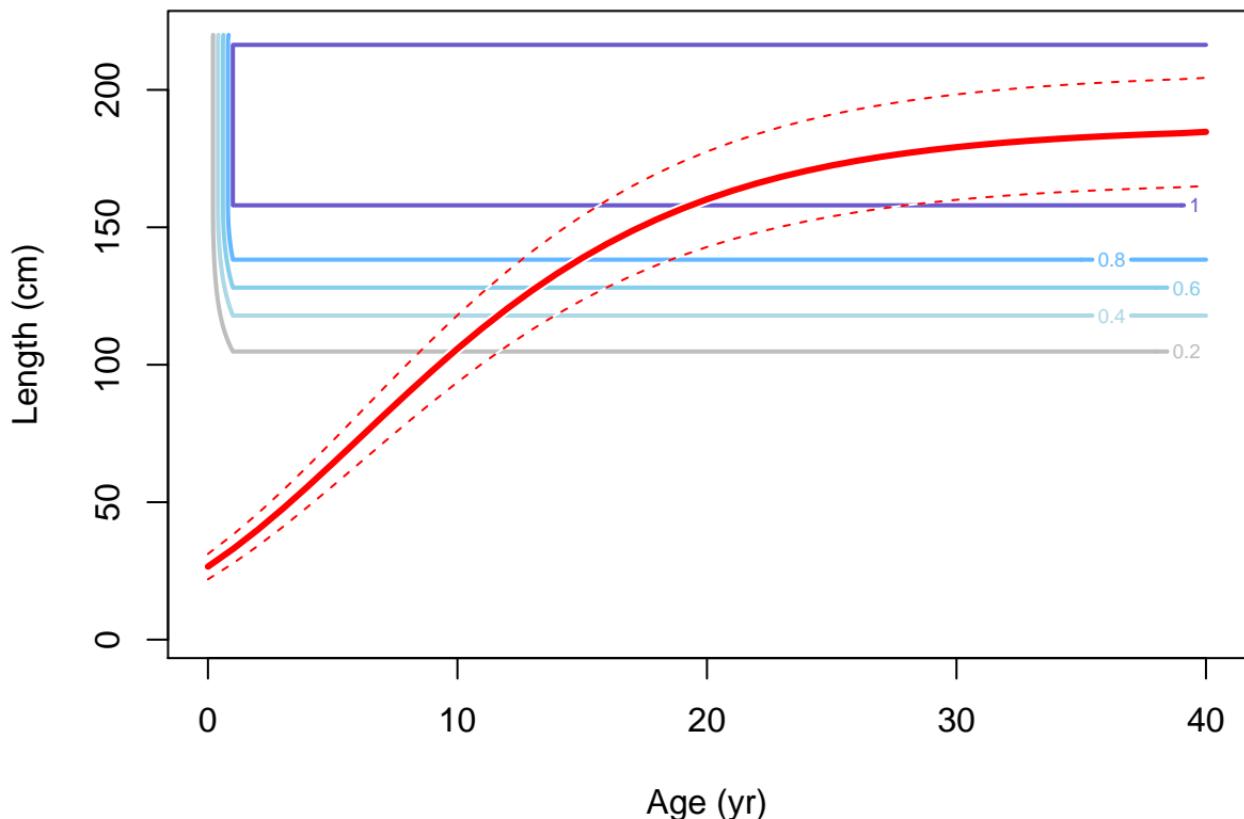
## Female ending year selectivity and growth for A3-LL-n



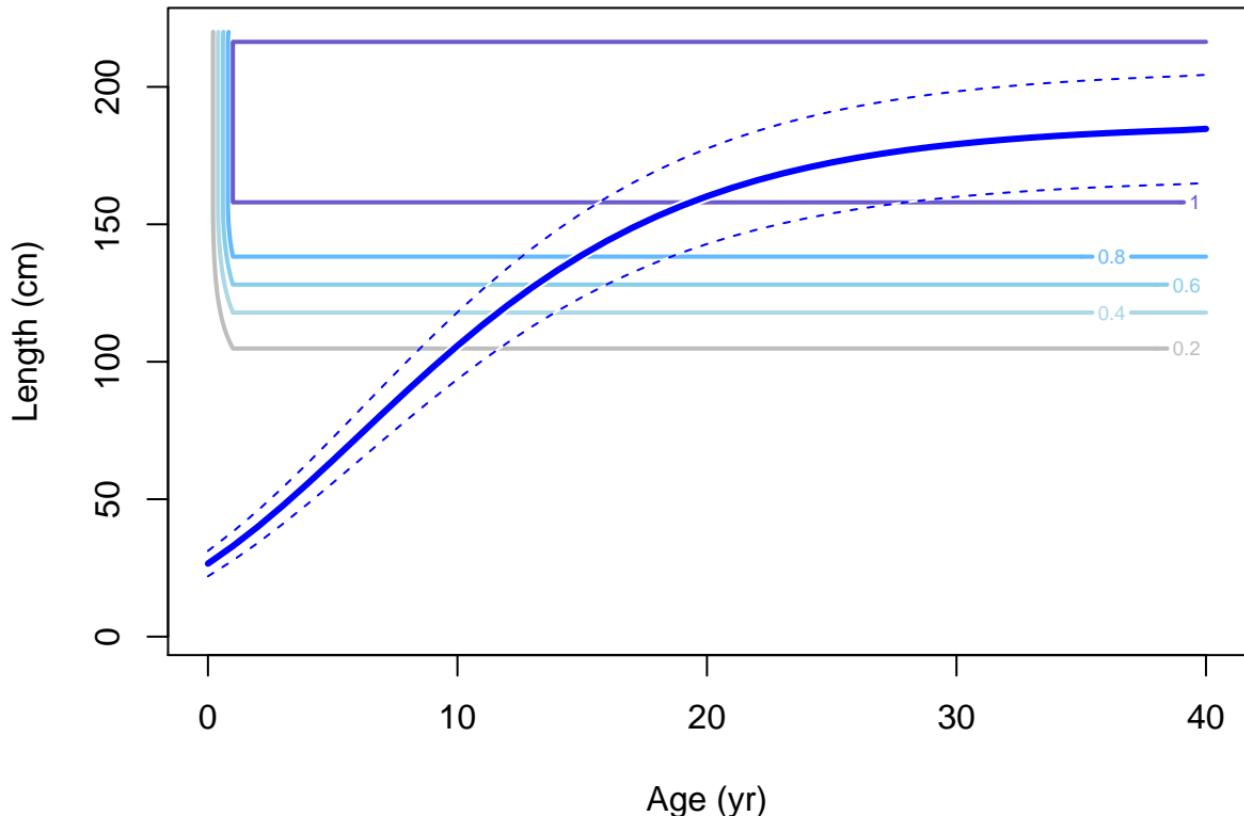
## Male ending year selectivity and growth for A3-LL-n



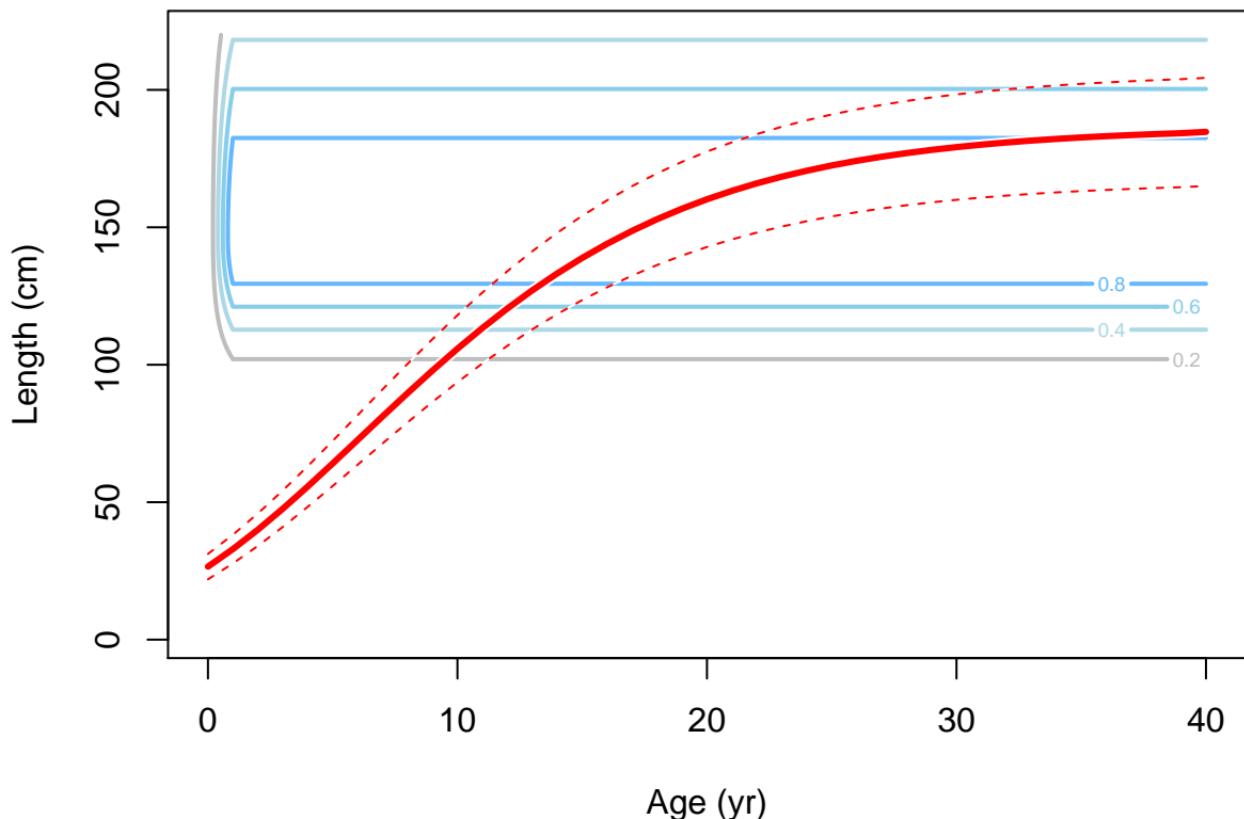
## Female ending year selectivity and growth for A4-LL-n



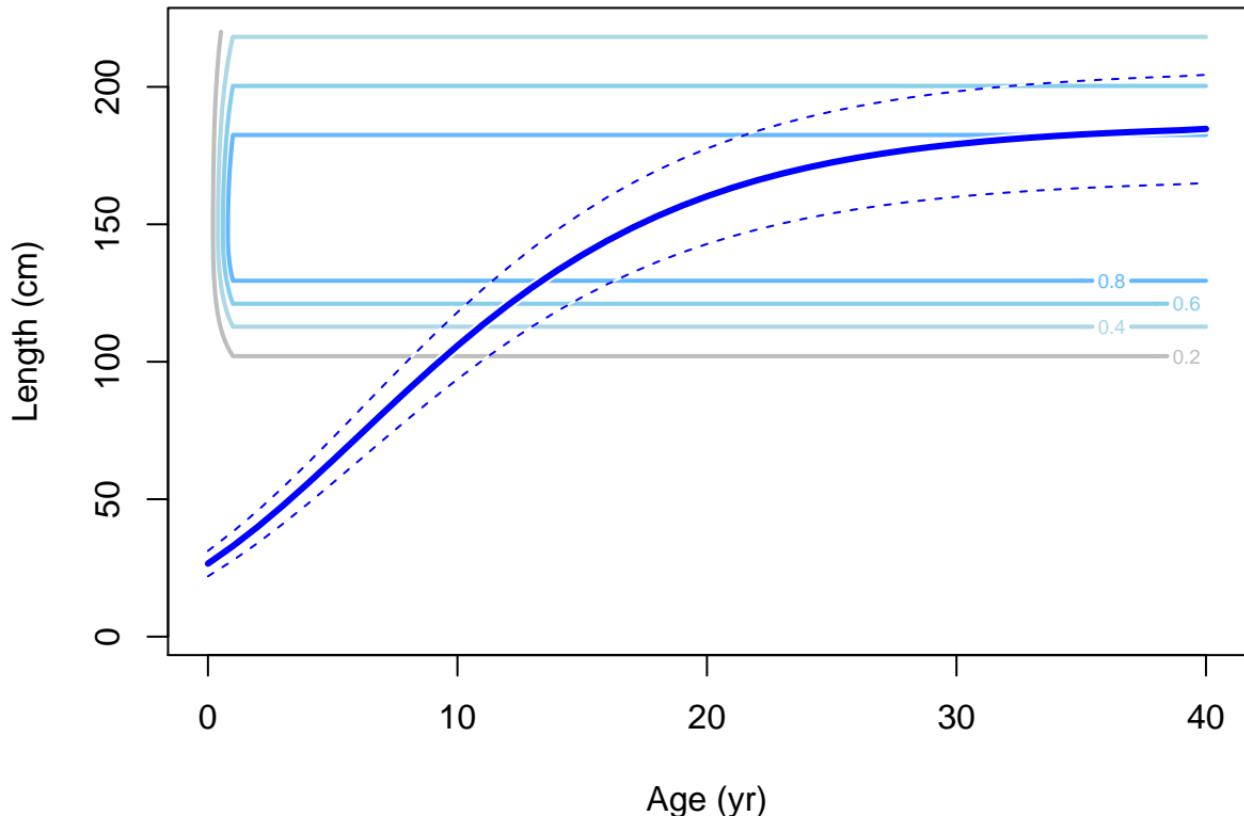
## Male ending year selectivity and growth for A4-LL-n



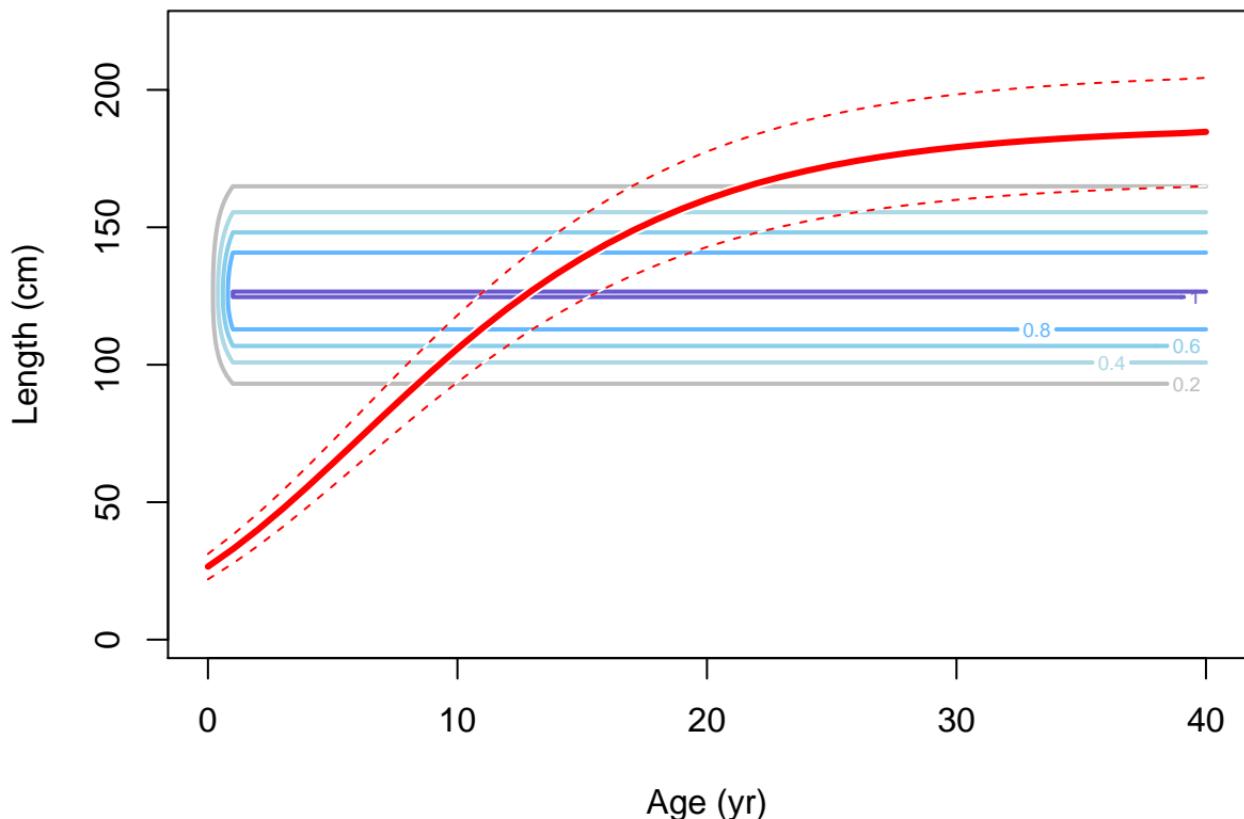
## Female ending year selectivity and growth for A5-LL-n



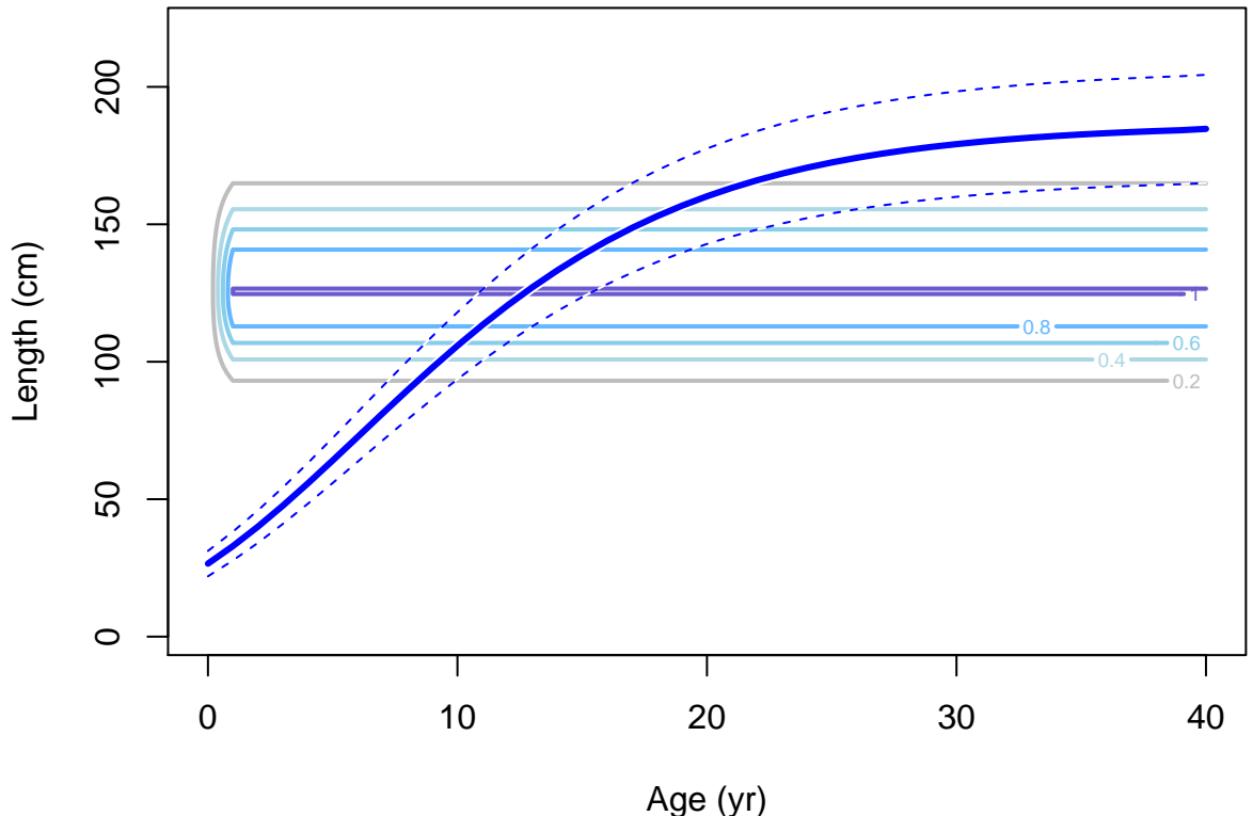
## Male ending year selectivity and growth for A5-LL-n



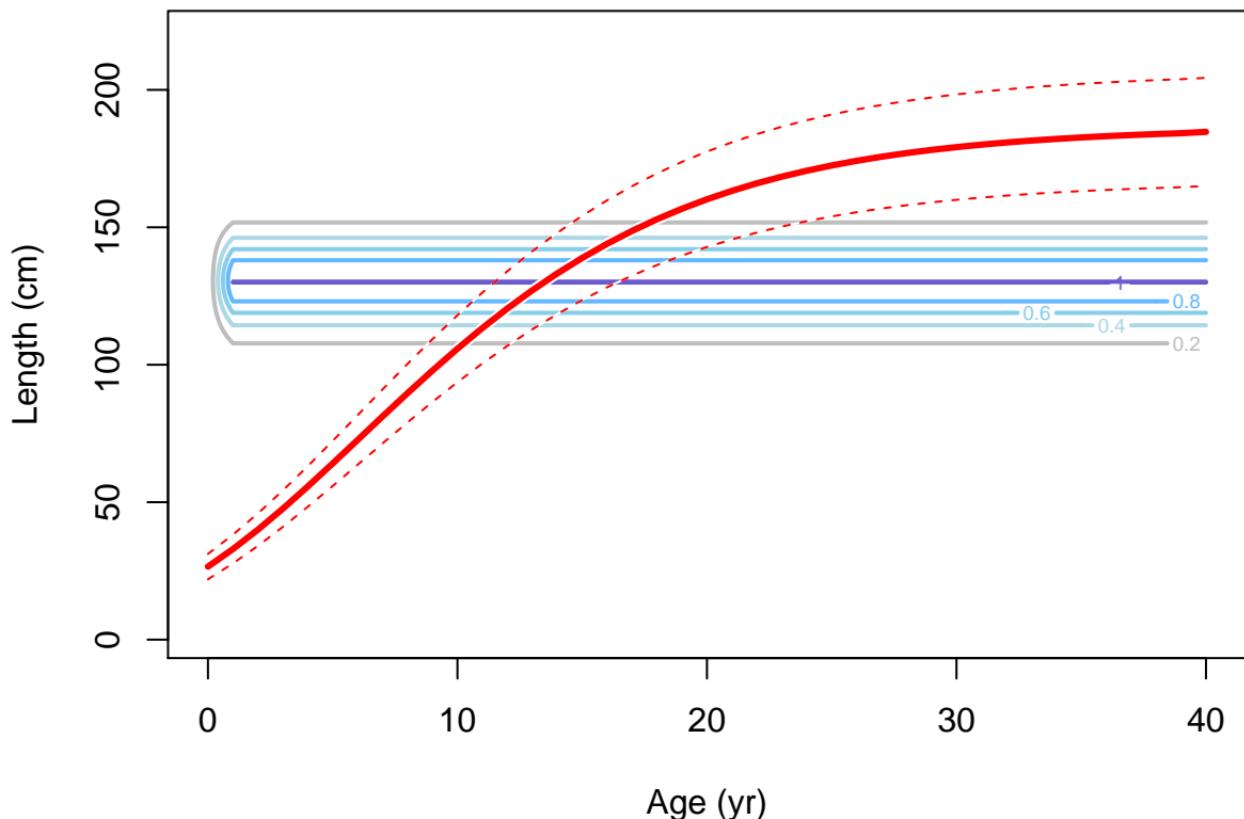
## Female ending year selectivity and growth for A6-LL-n



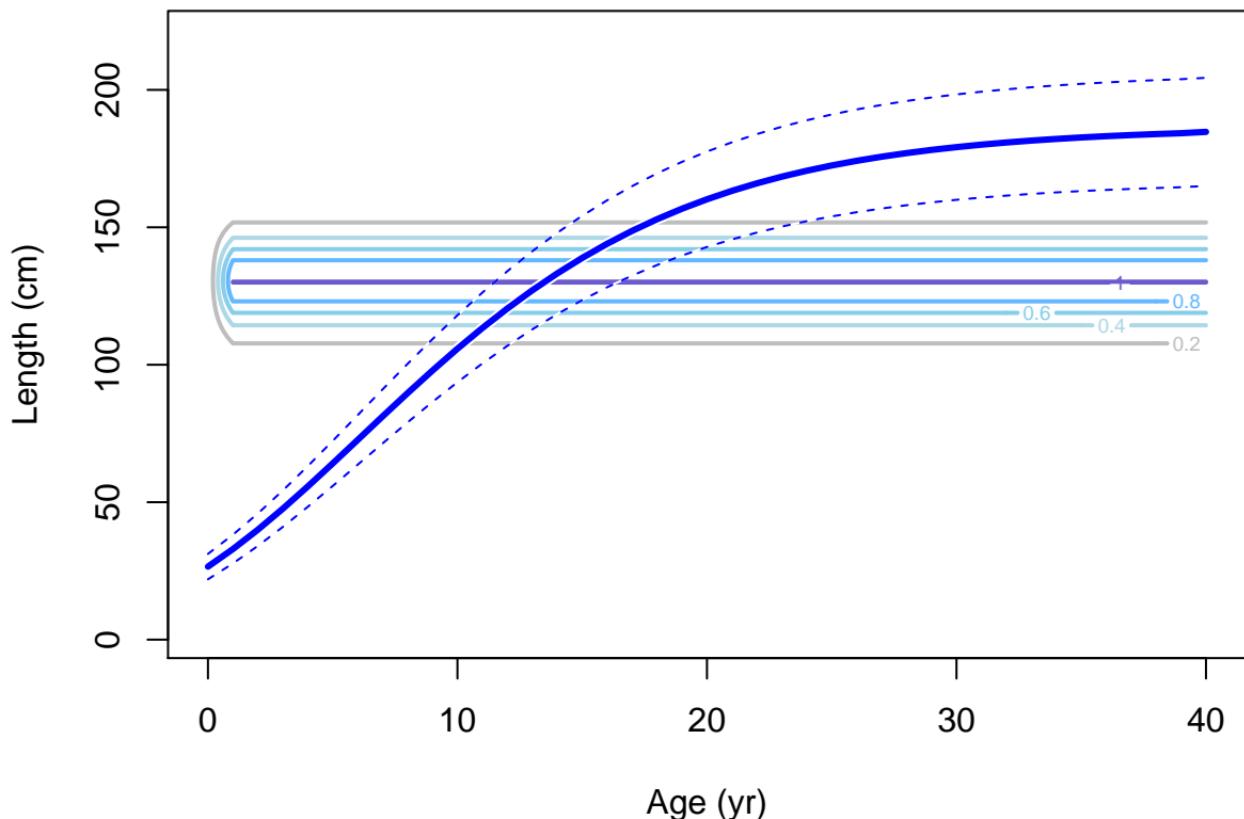
## Male ending year selectivity and growth for A6-LL-n



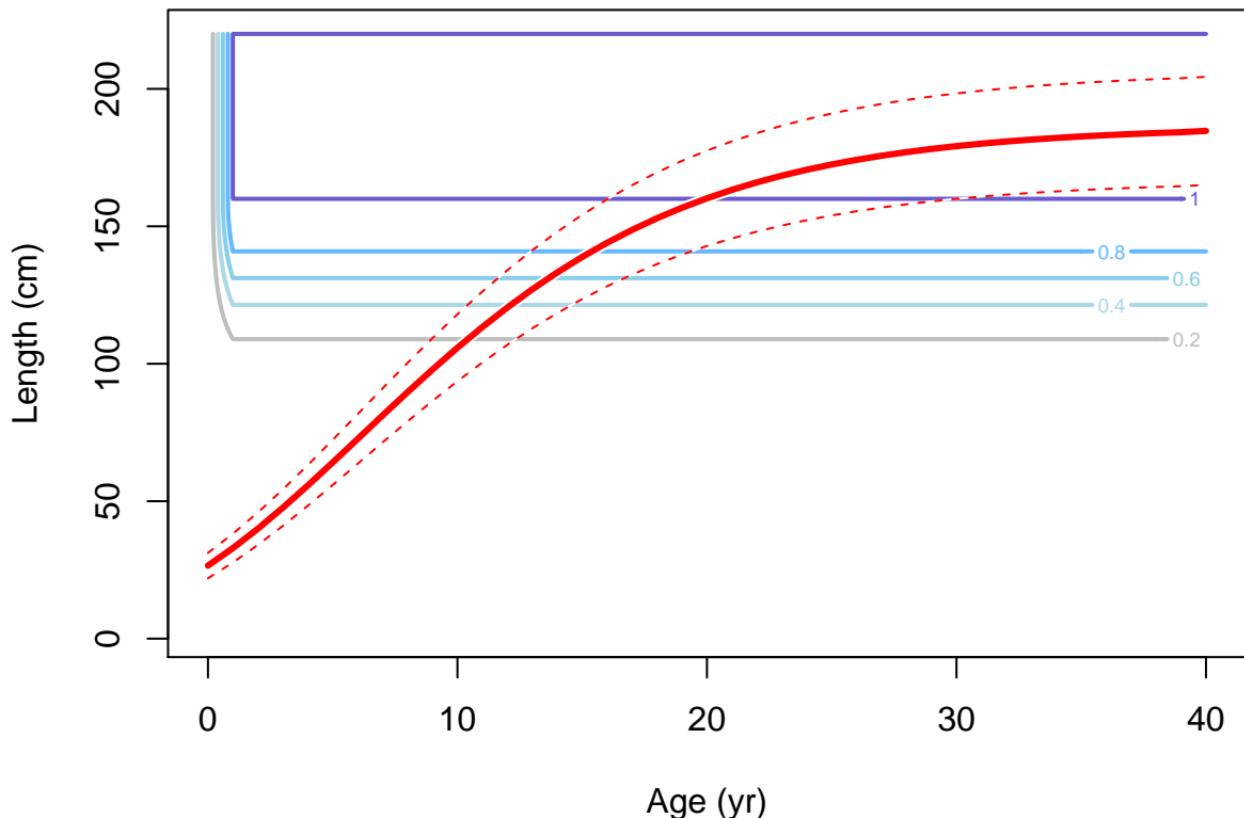
## Female ending year selectivity and growth for A1-LL-w



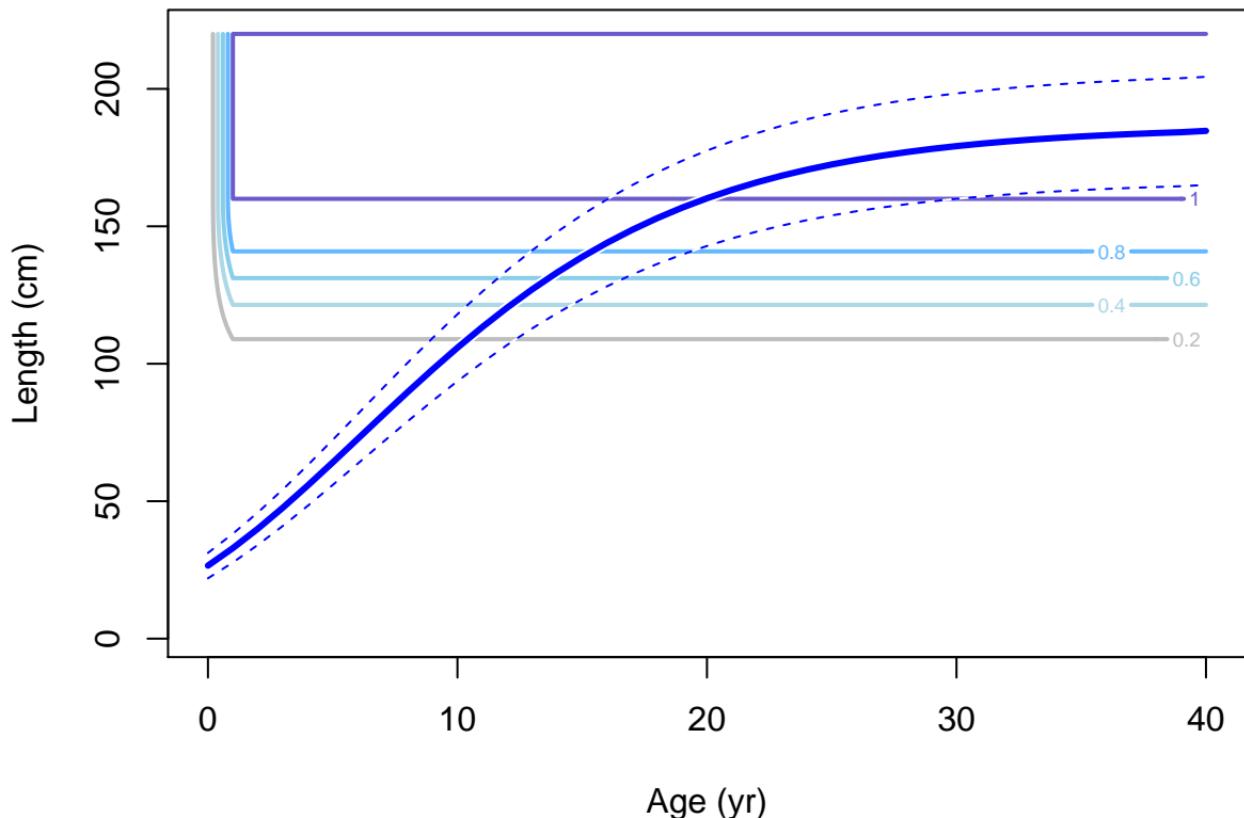
## Male ending year selectivity and growth for A1-LL-w



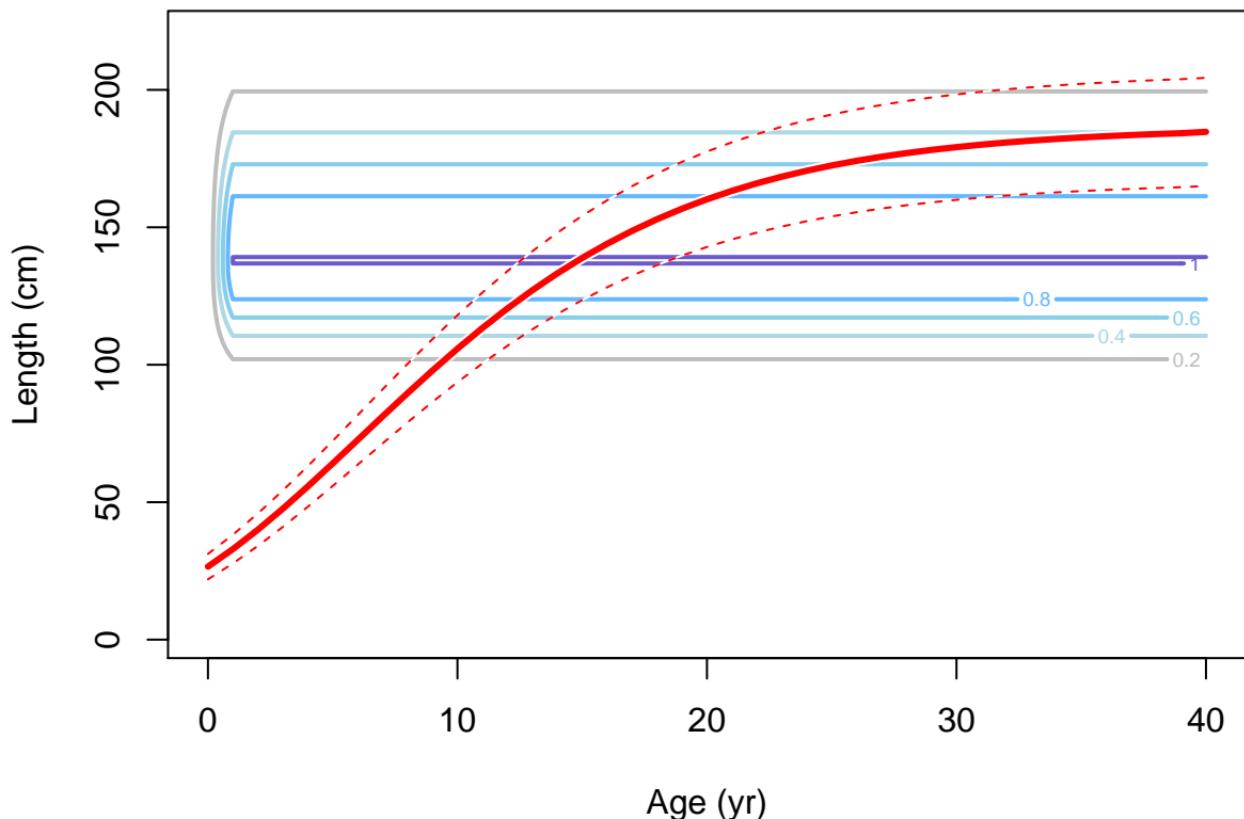
## Female ending year selectivity and growth for A2-LL-w



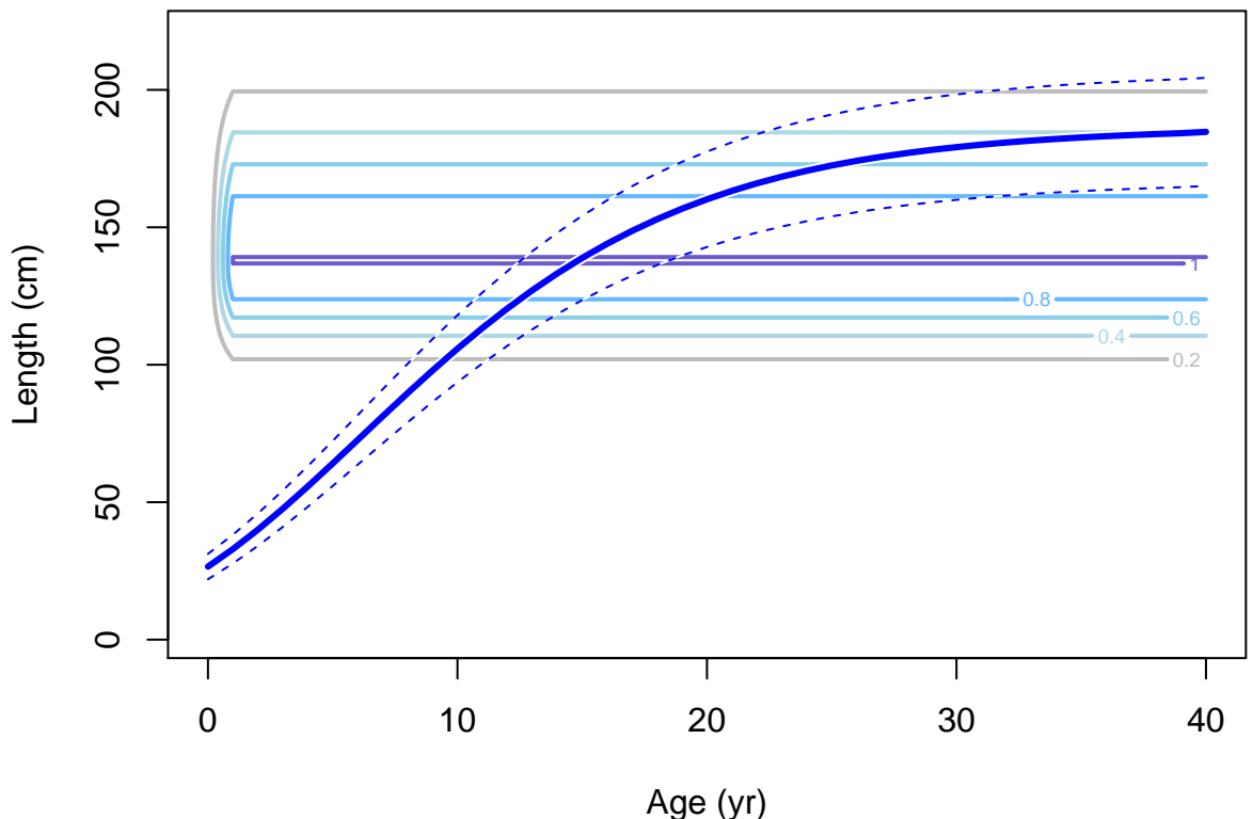
## Male ending year selectivity and growth for A2-LL-w



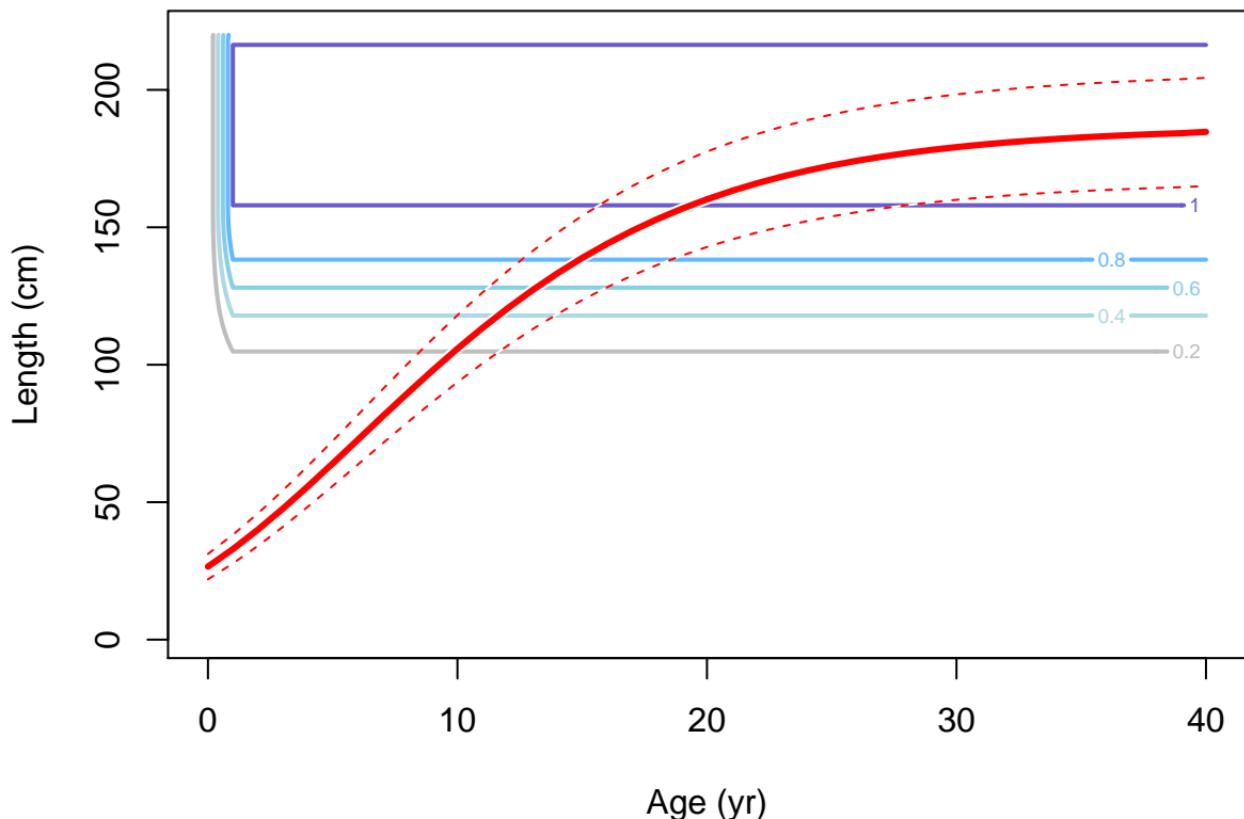
## Female ending year selectivity and growth for A3-LL-w



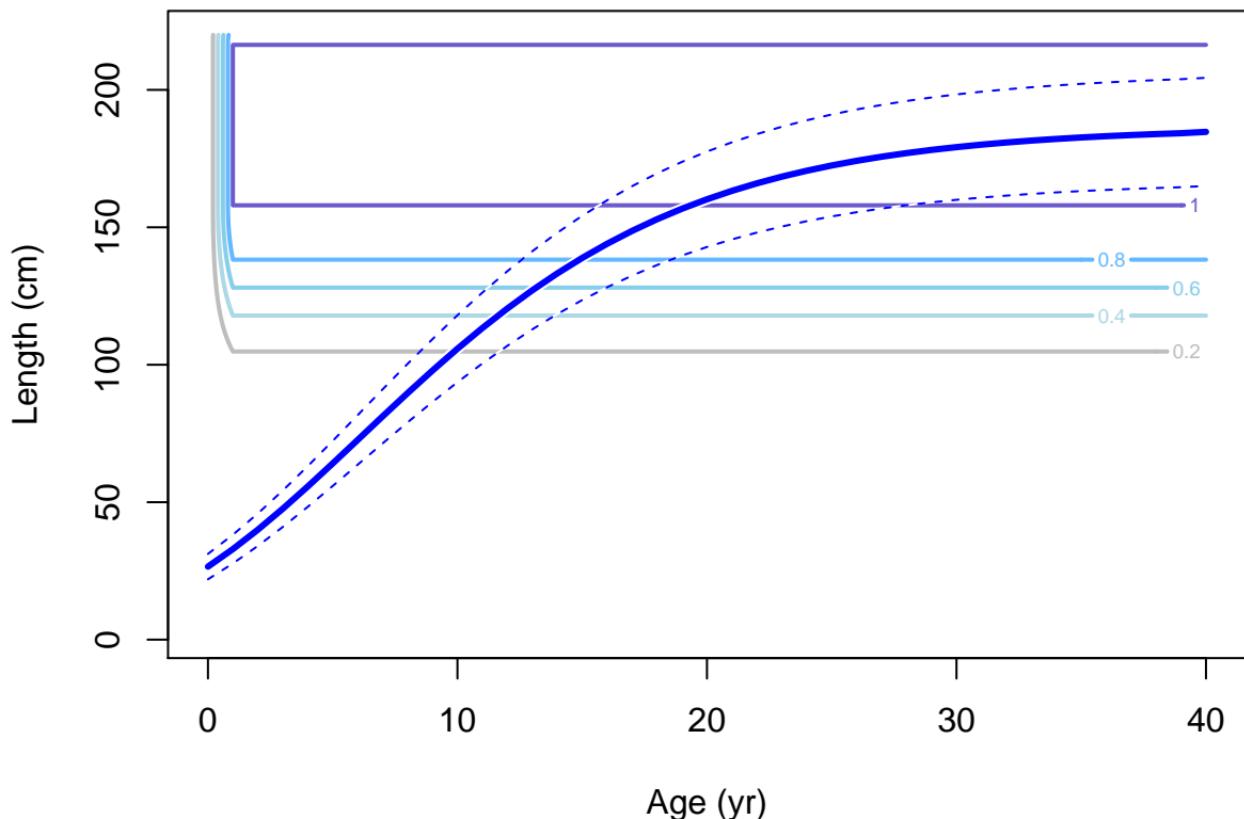
## Male ending year selectivity and growth for A3-LL-w



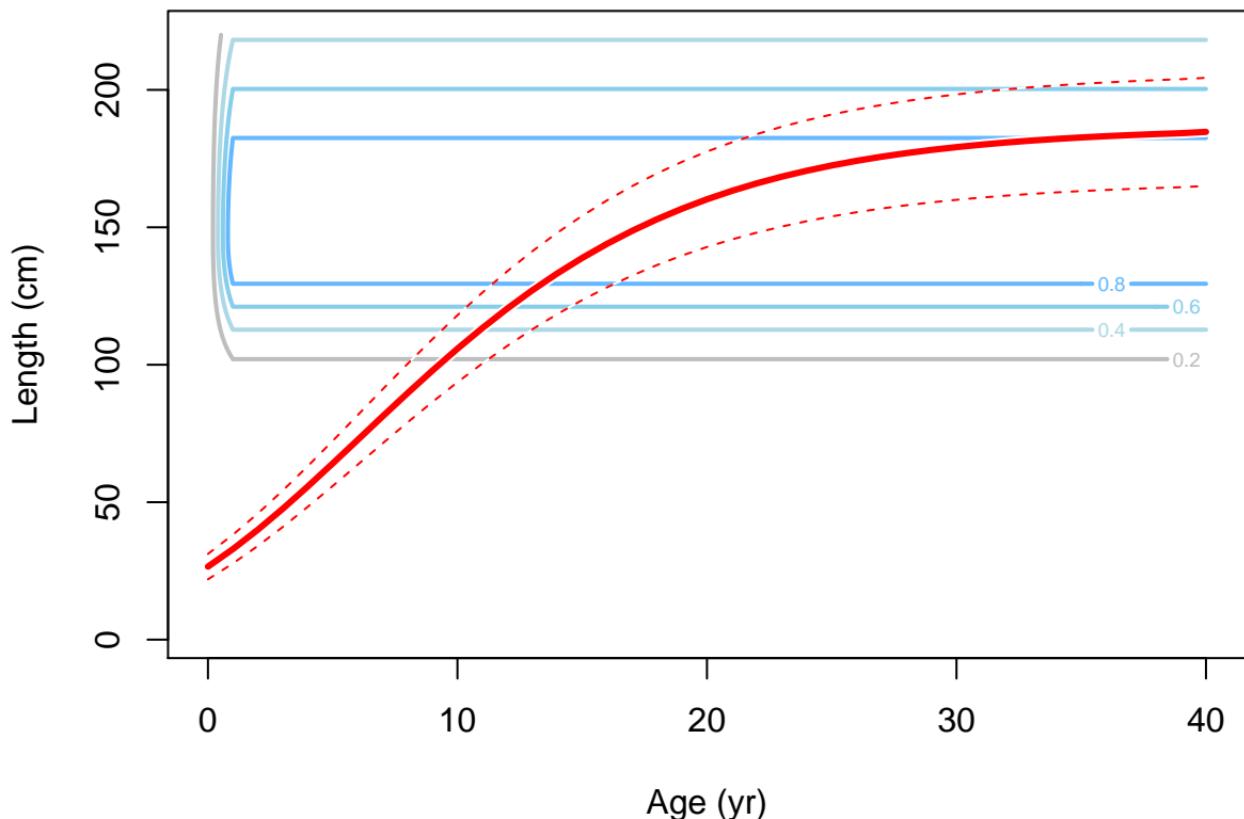
## Female ending year selectivity and growth for A4-LL-w



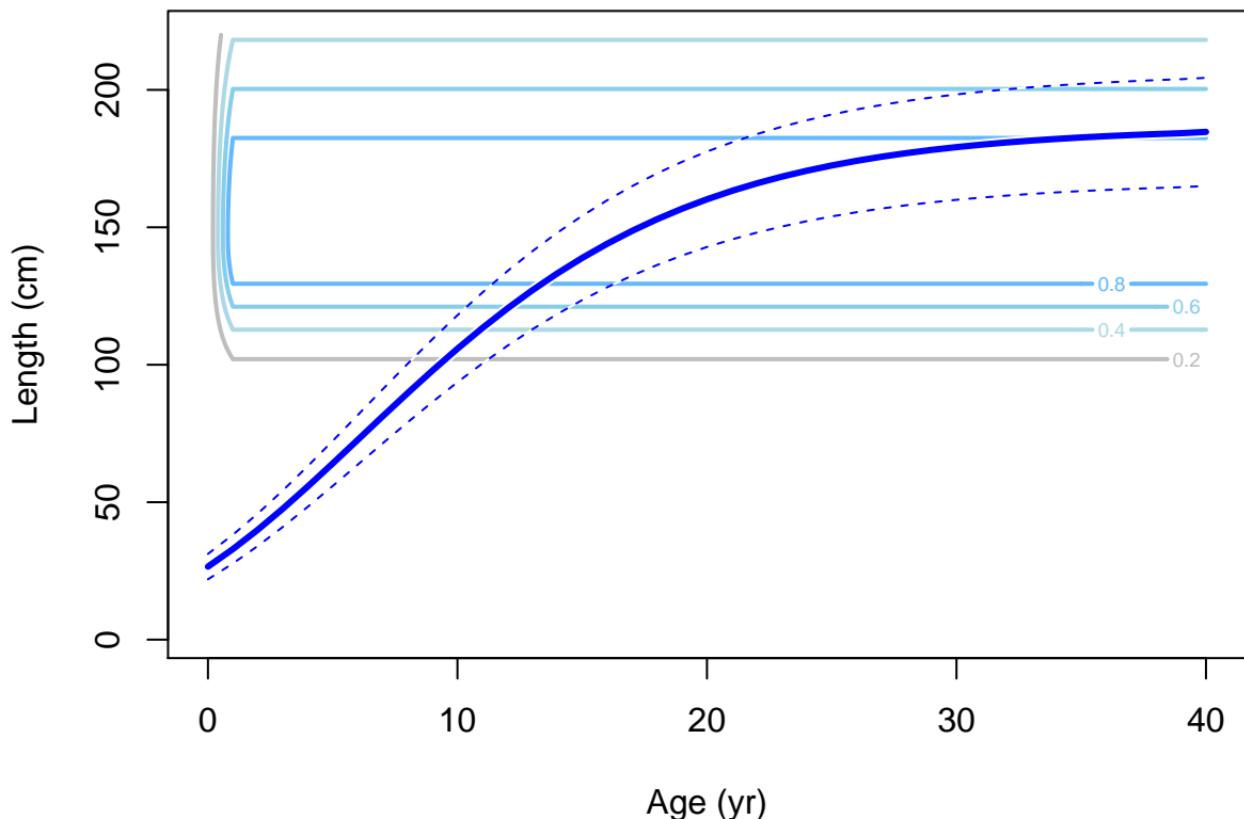
## Male ending year selectivity and growth for A4-LL-w



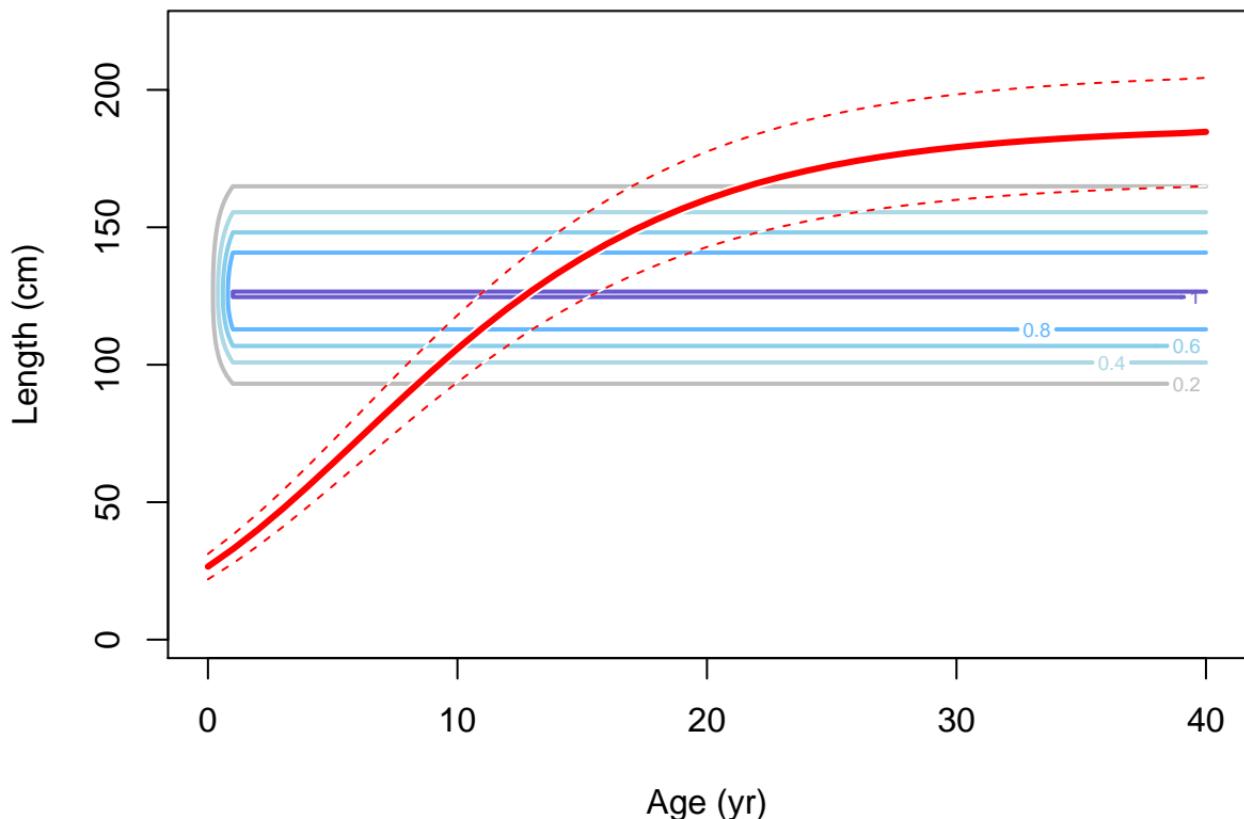
## Female ending year selectivity and growth for A5-LL-w



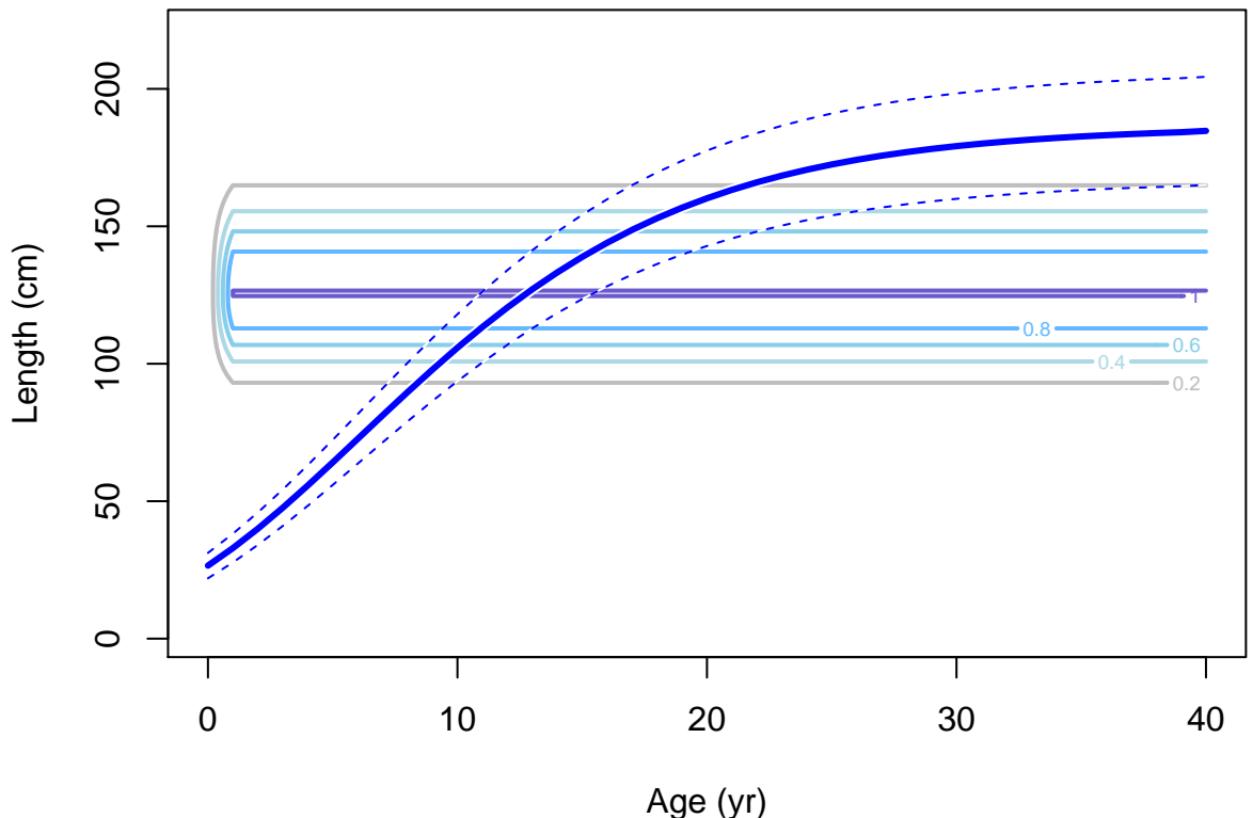
## Male ending year selectivity and growth for A5-LL-w



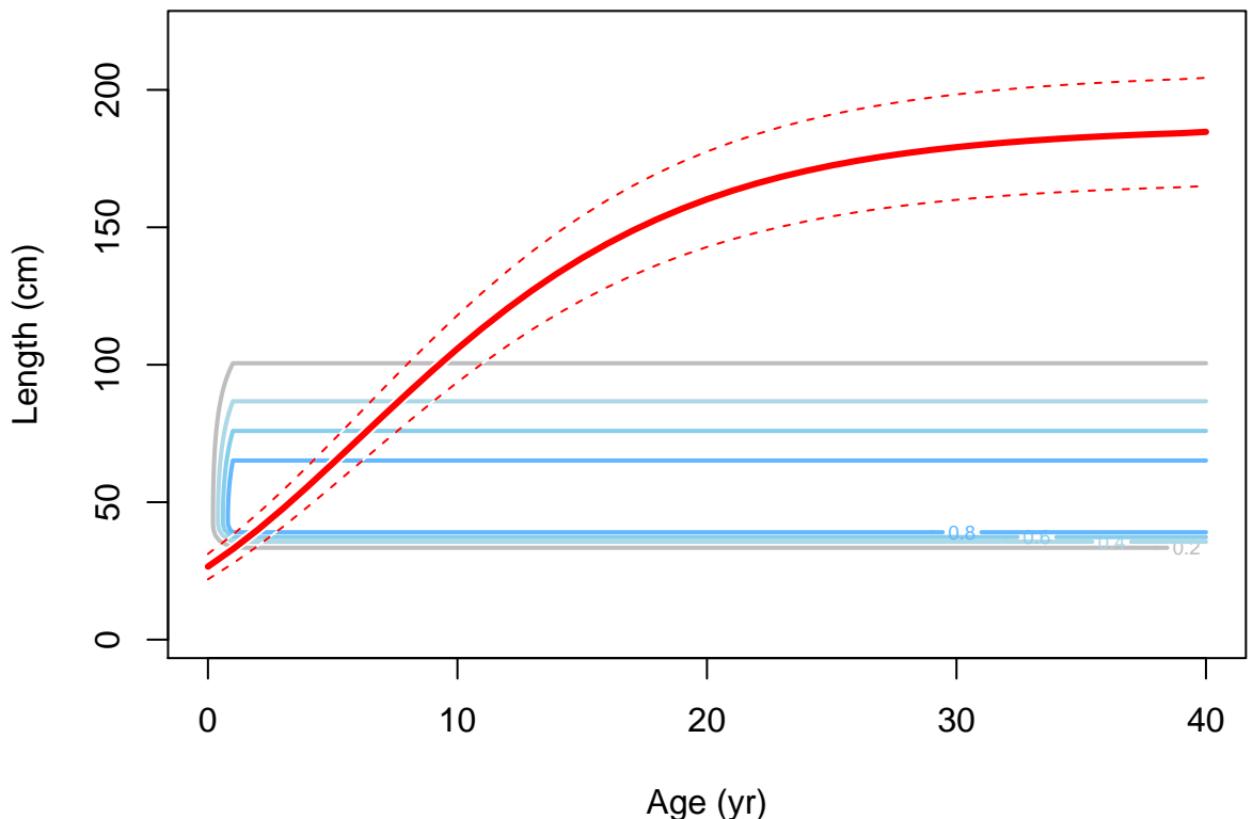
## Female ending year selectivity and growth for A6-LL-w



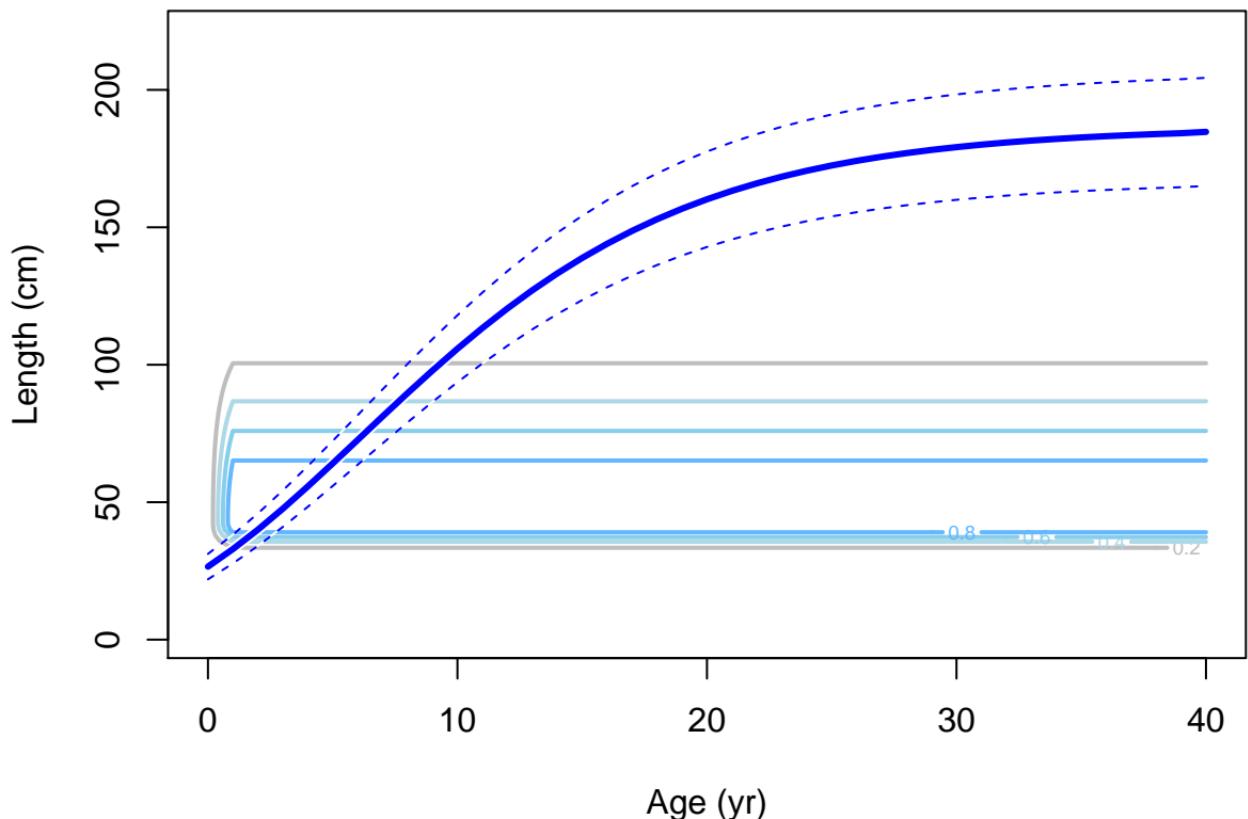
## Male ending year selectivity and growth for A6-LL-w



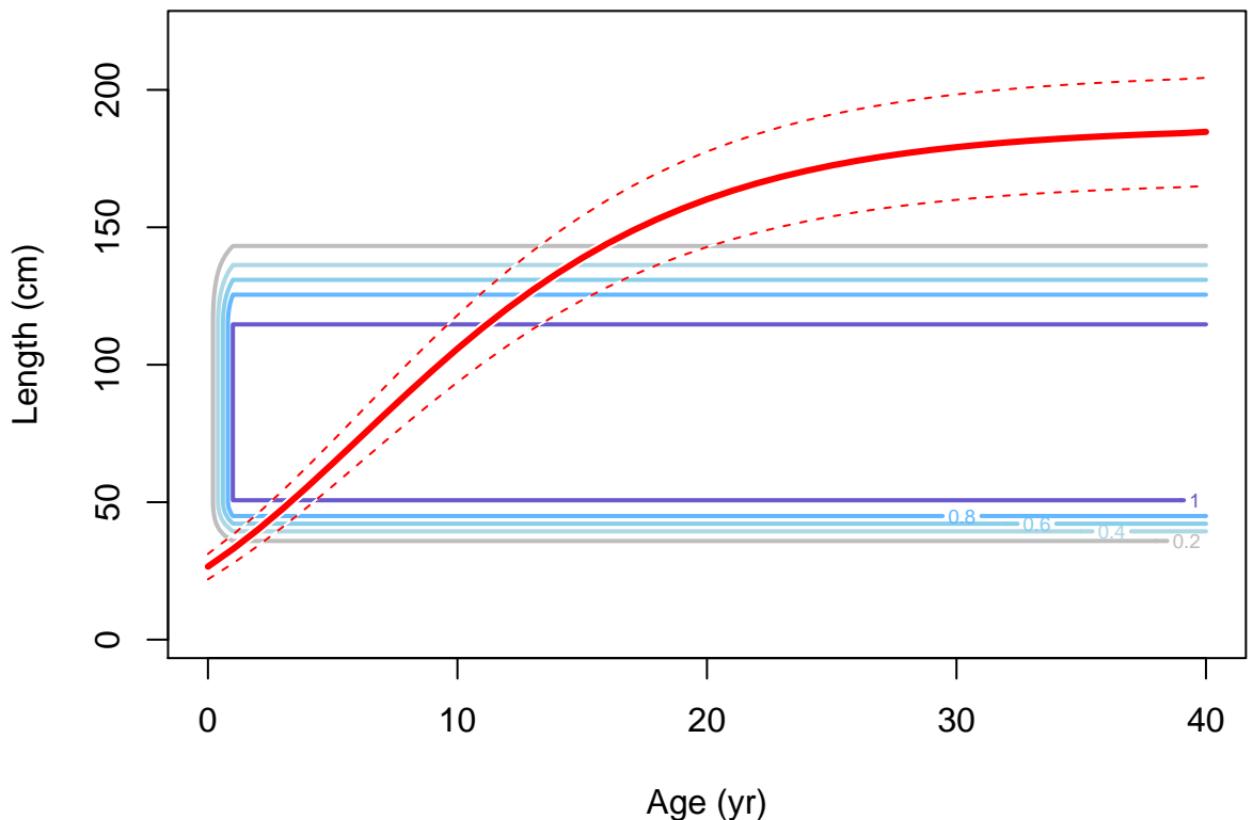
## Female ending year selectivity and growth for A2-OBJ



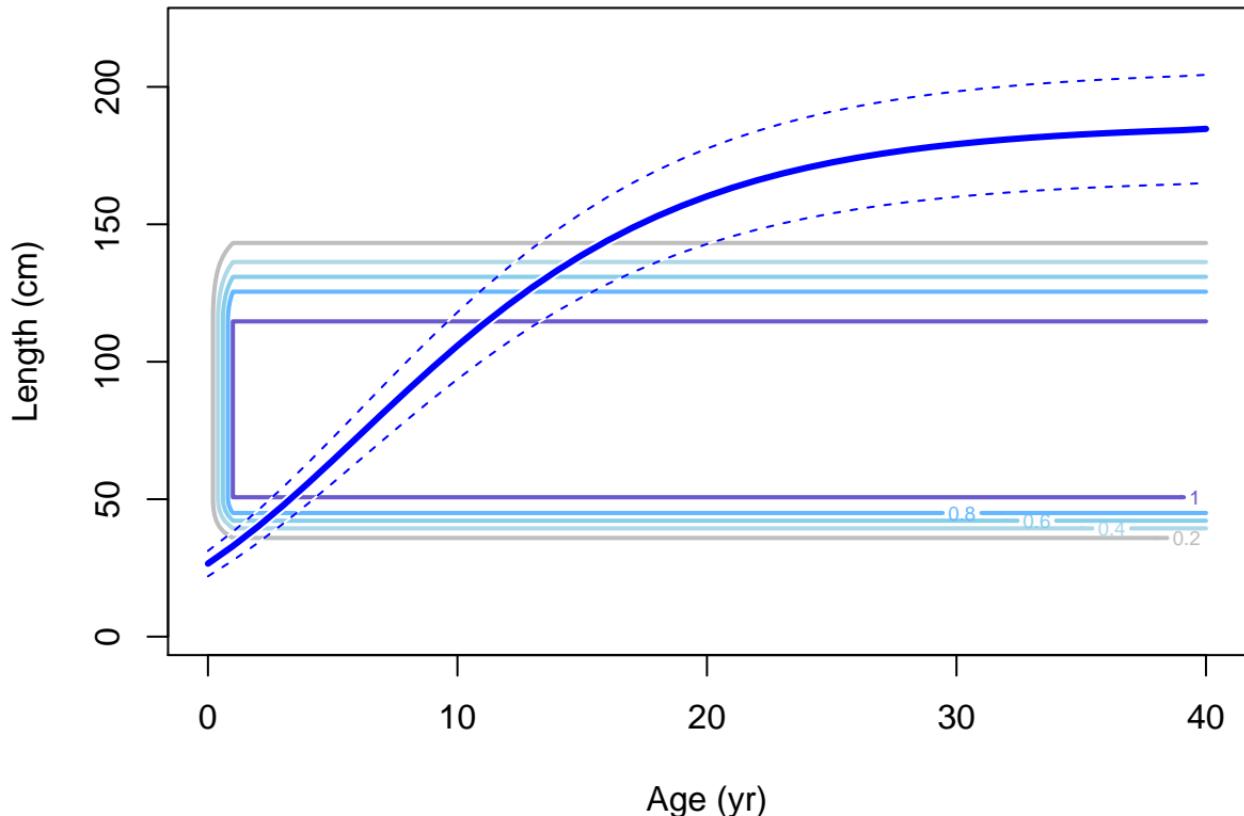
## Male ending year selectivity and growth for A2–OBJ



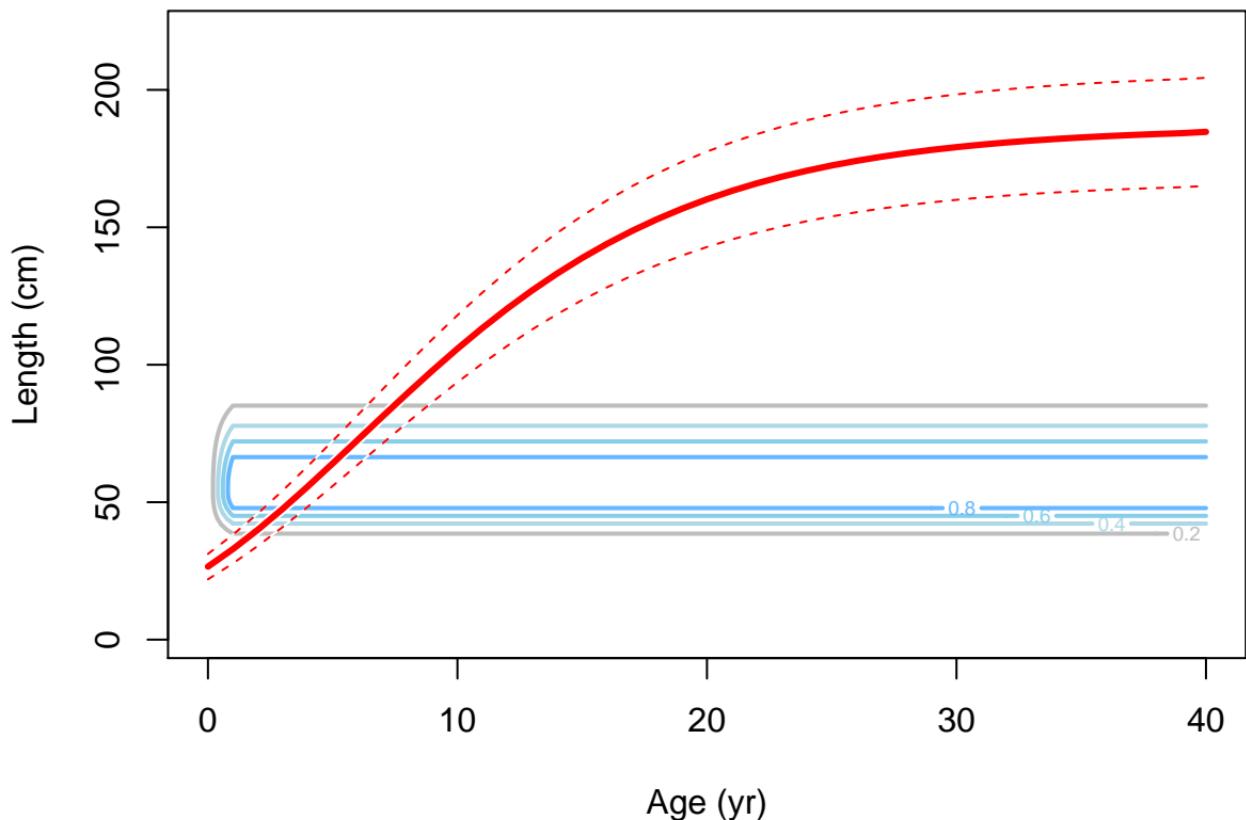
## Female ending year selectivity and growth for A3–OBJ



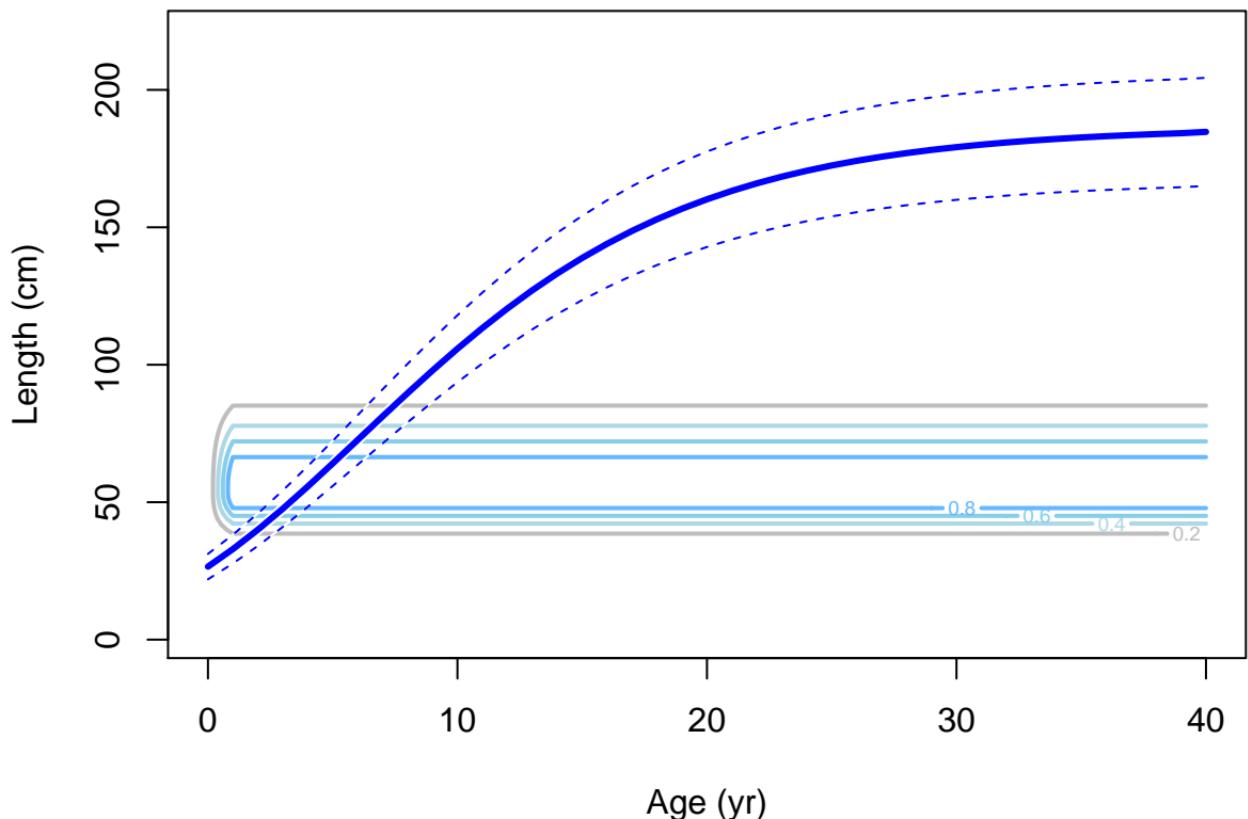
## Male ending year selectivity and growth for A3–OBJ



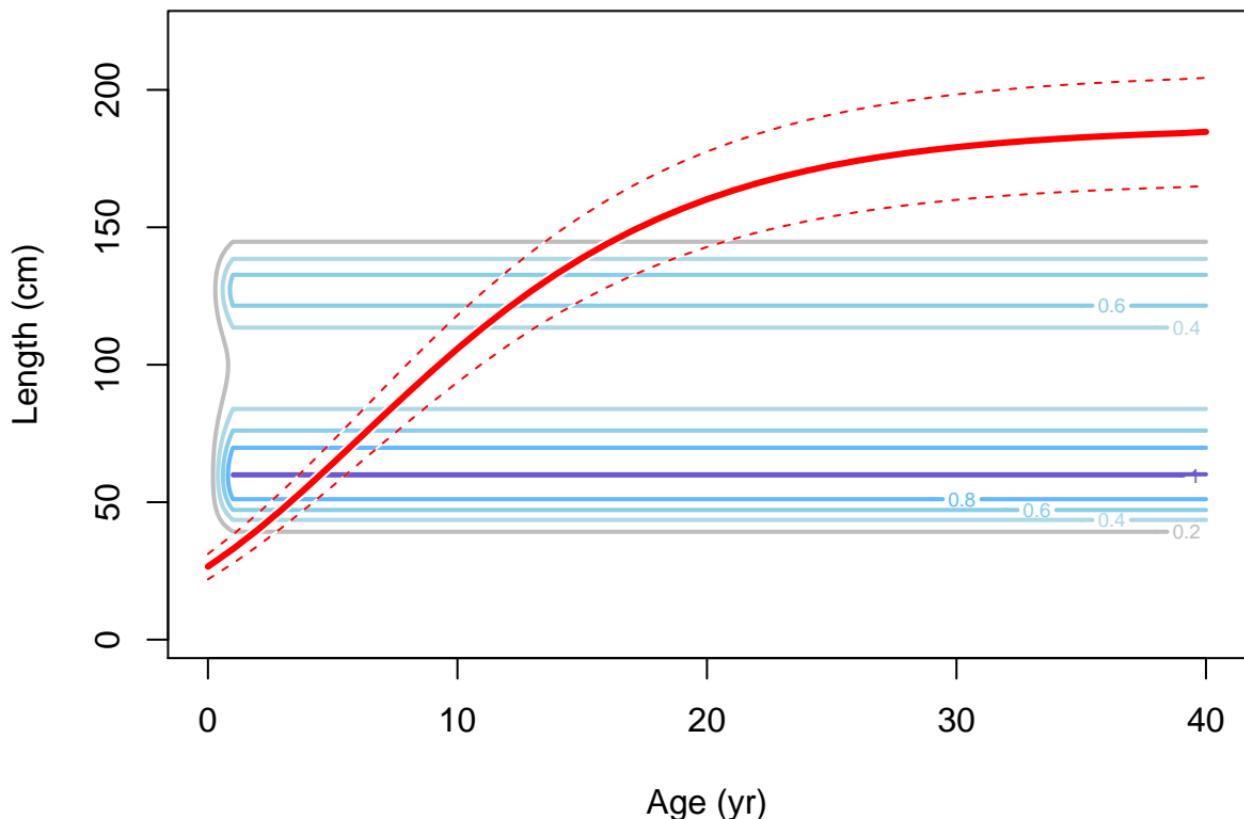
## Female ending year selectivity and growth for A4–OBJ



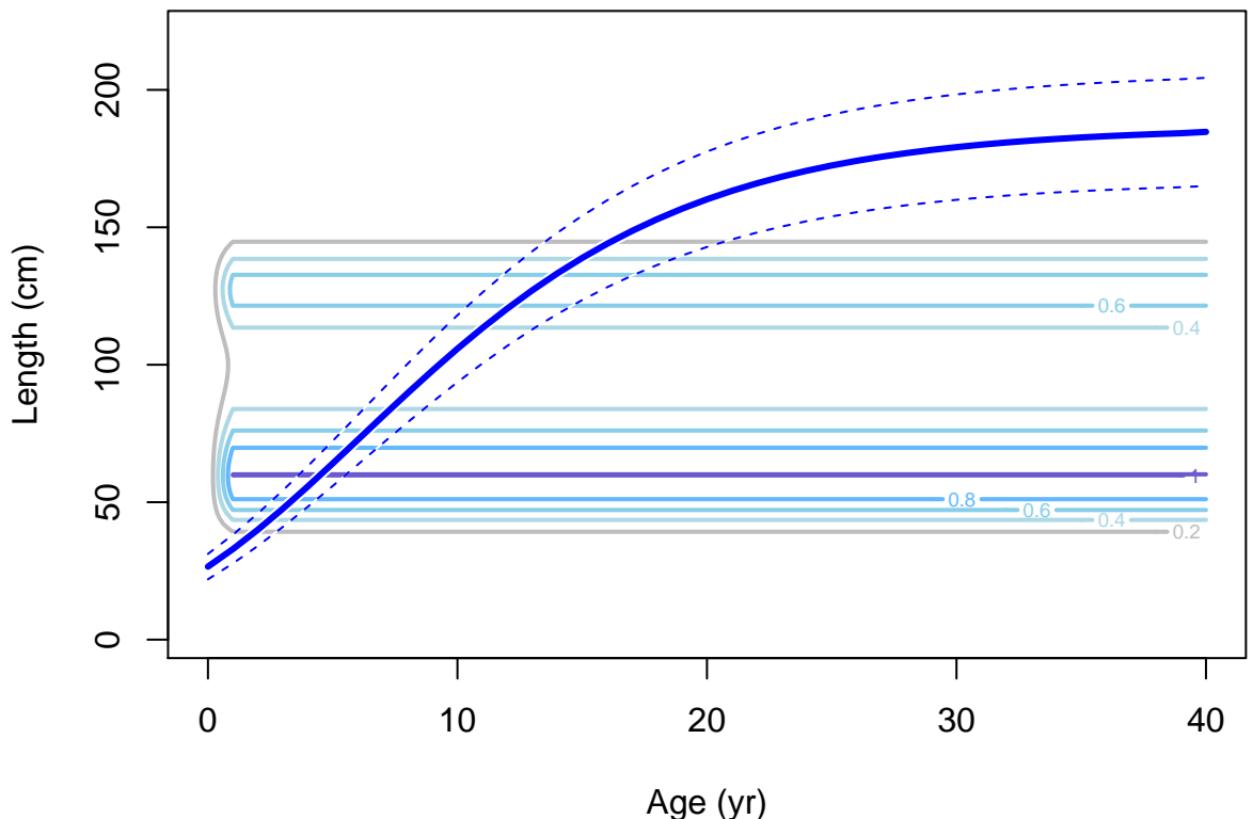
## Male ending year selectivity and growth for A4–OBJ



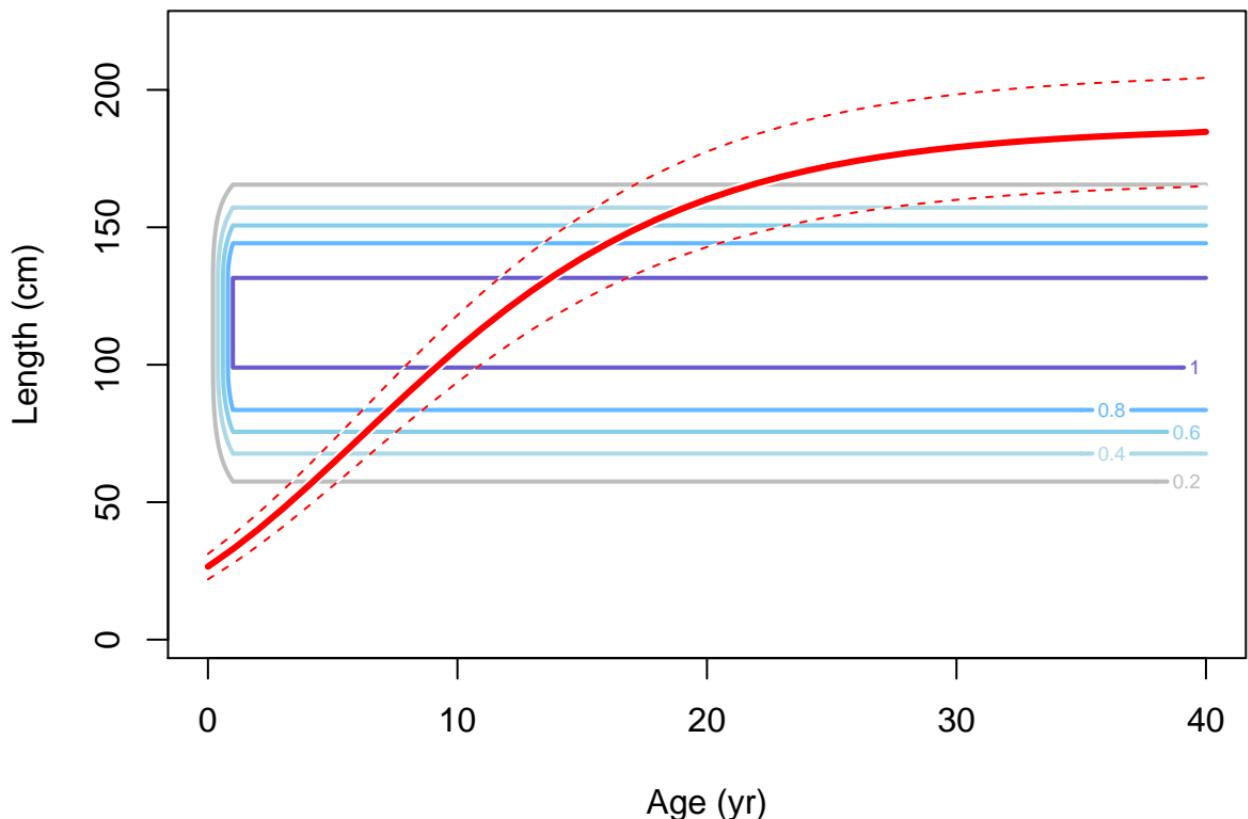
## Female ending year selectivity and growth for A5–OBJ



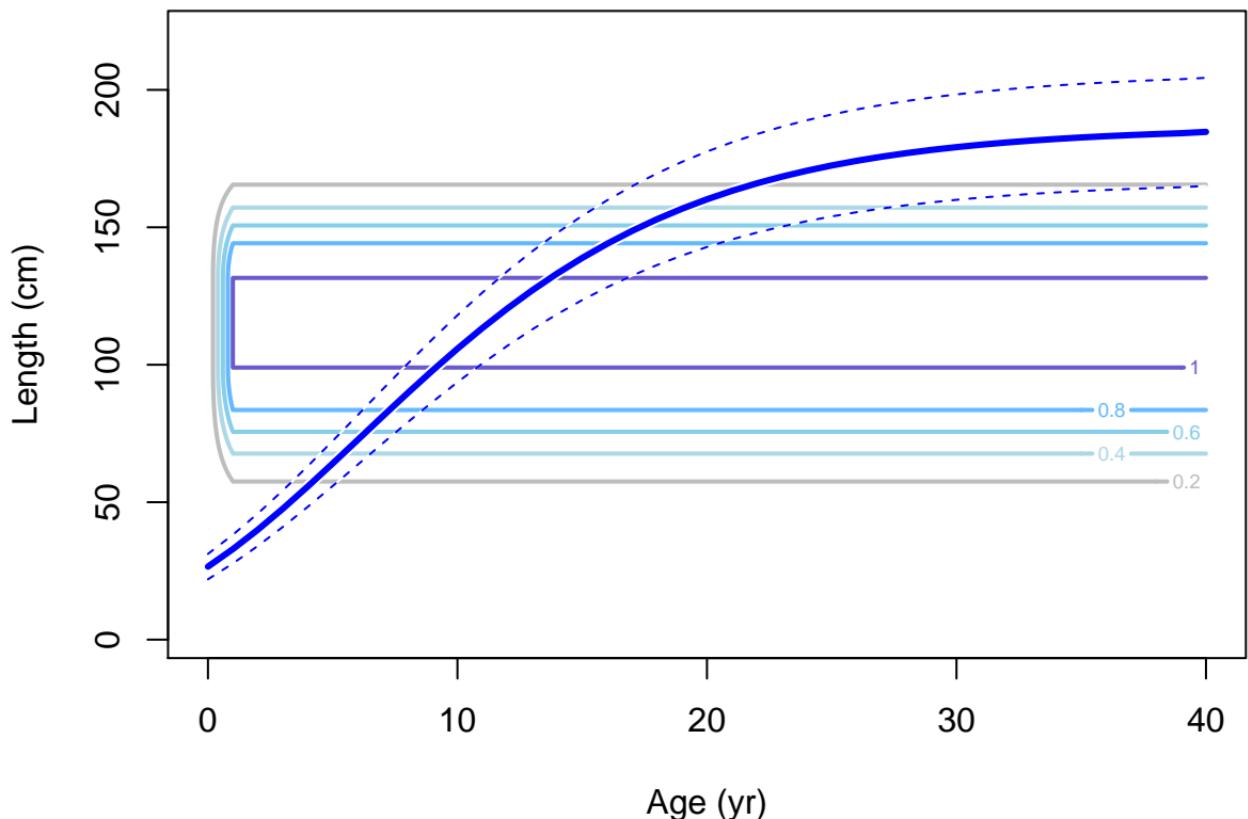
## Male ending year selectivity and growth for A5–OBJ



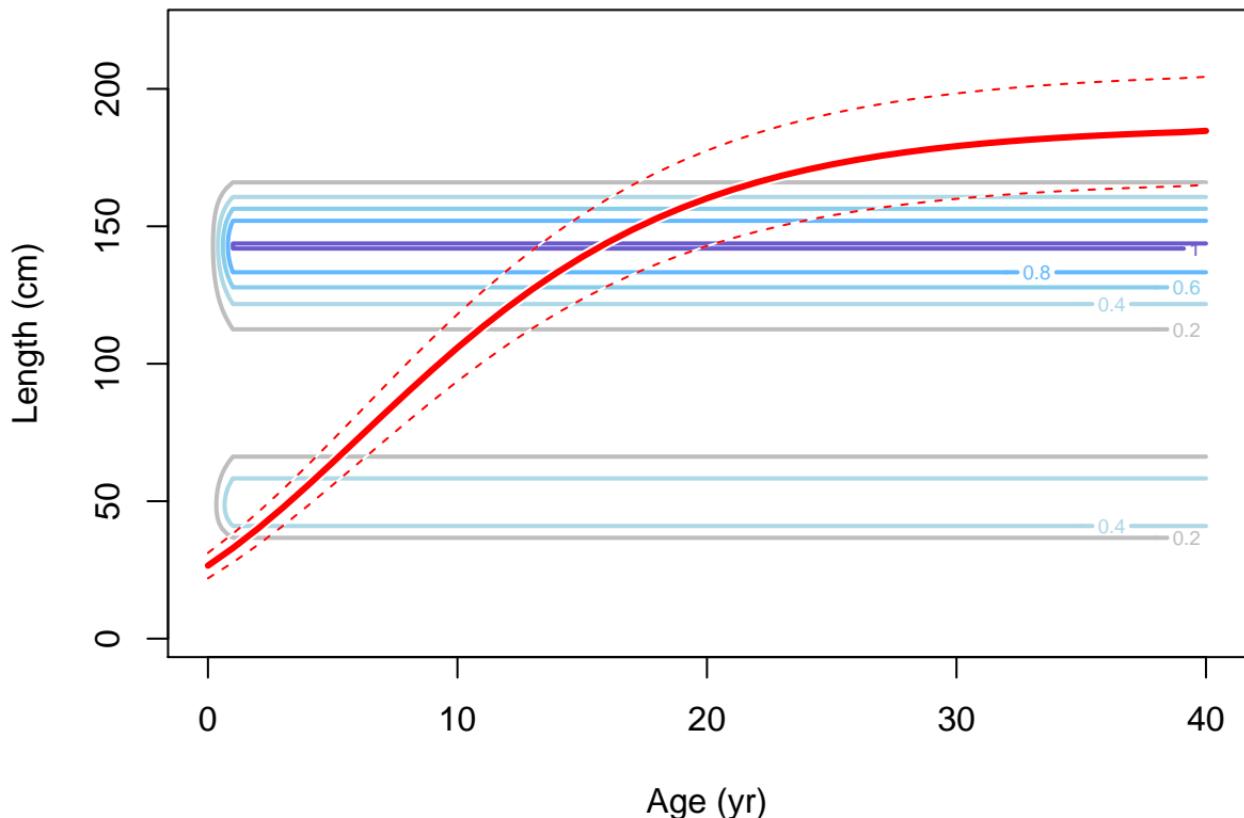
## Female ending year selectivity and growth for A6–OBJ



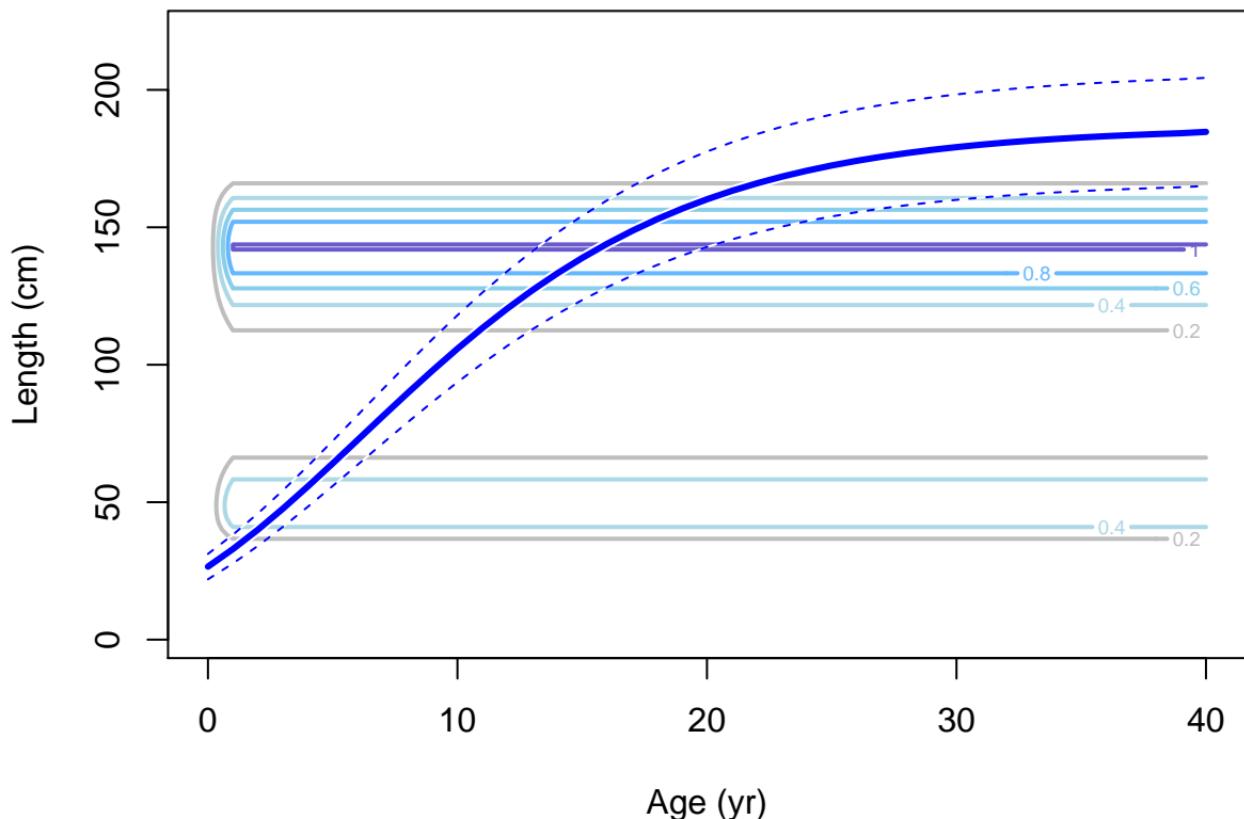
## Male ending year selectivity and growth for A6–OBJ



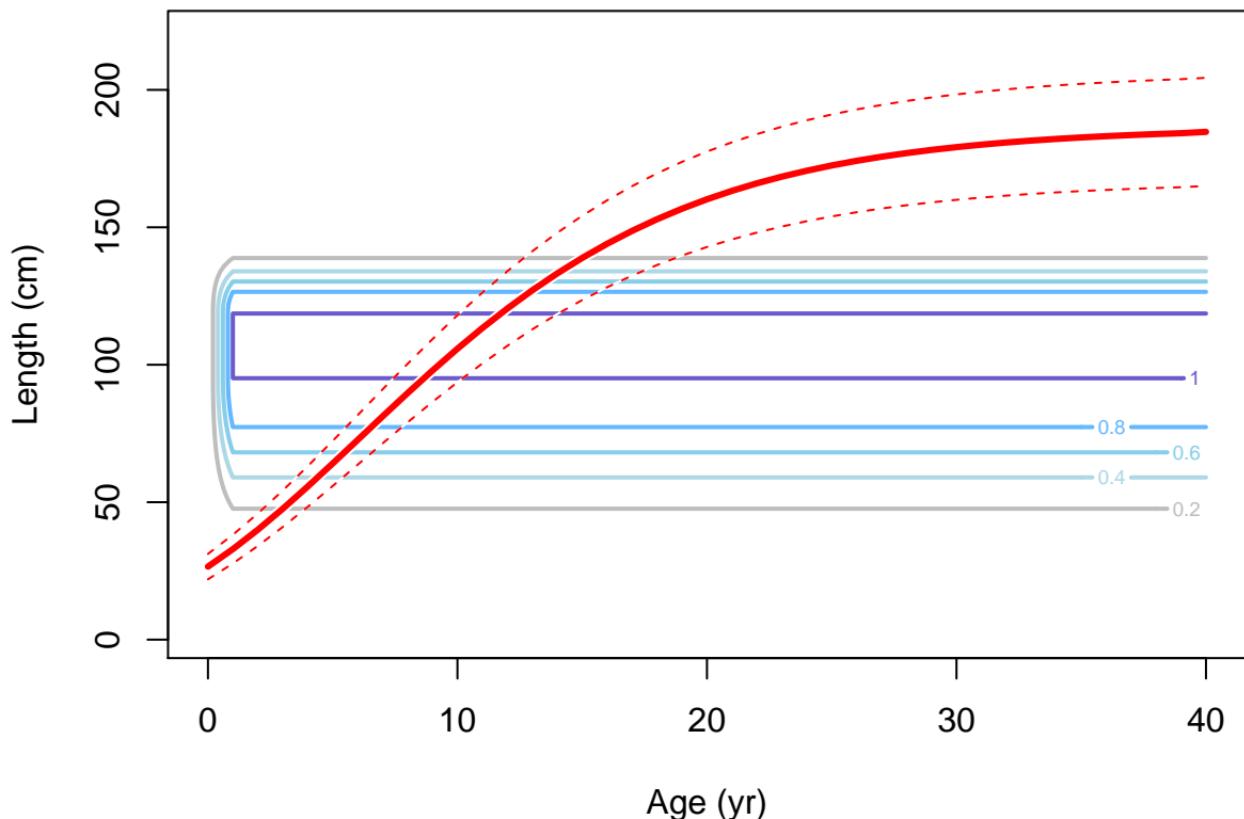
## Female ending year selectivity and growth for A2-NOADEL



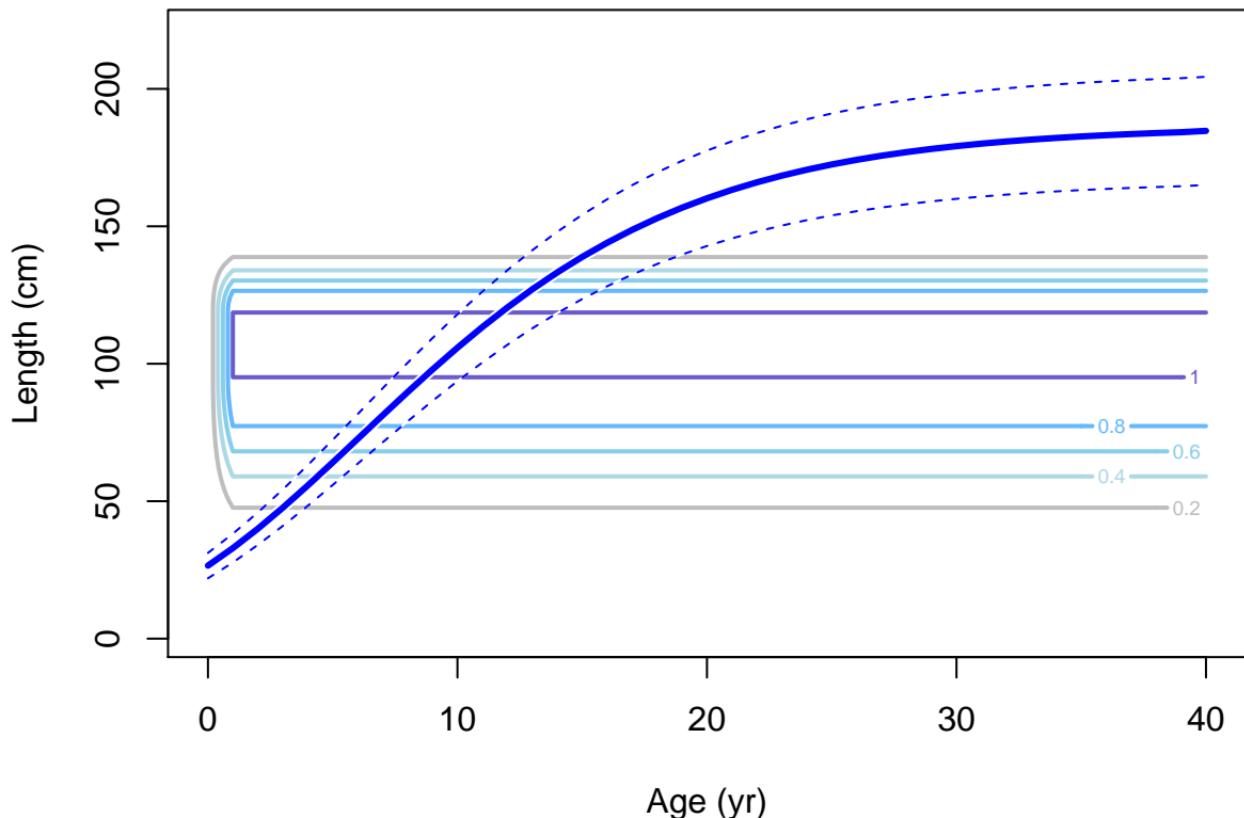
## Male ending year selectivity and growth for A2–NOADEL



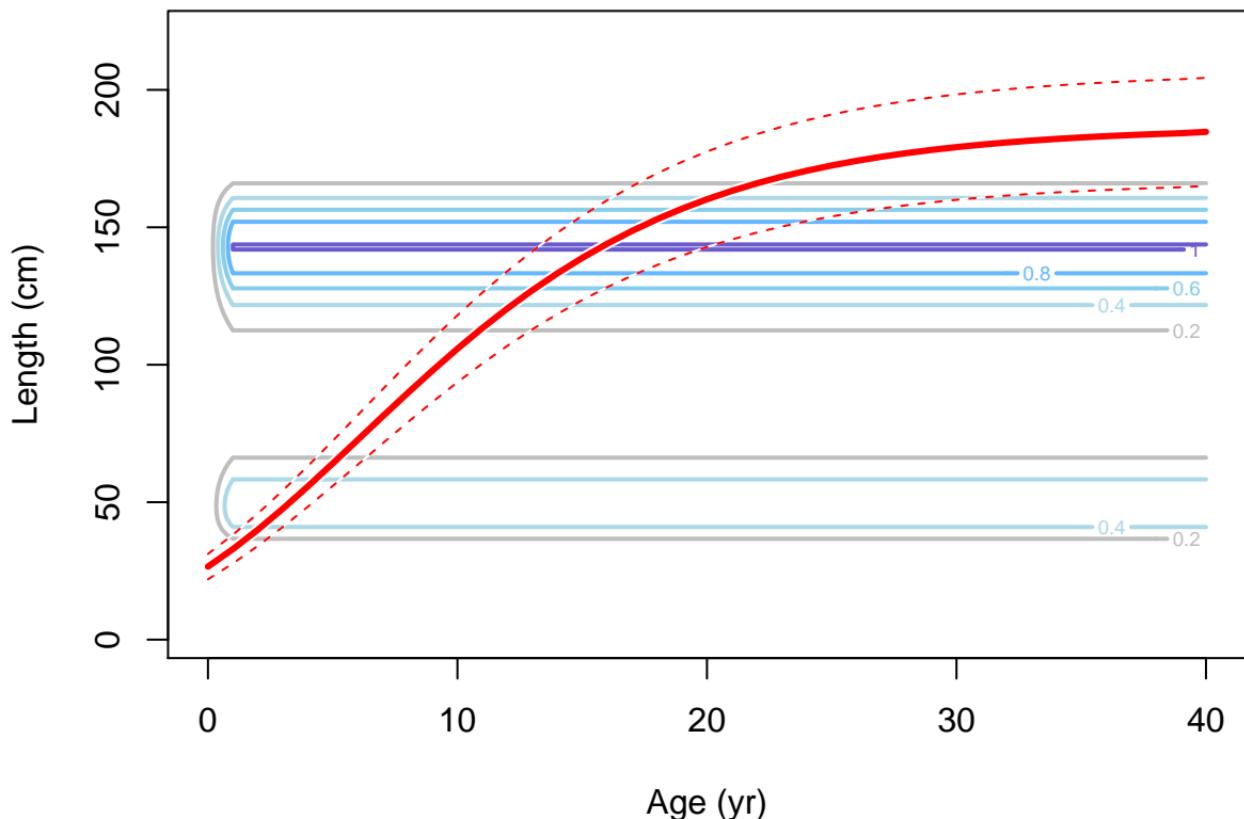
## Female ending year selectivity and growth for A3–NOADEL



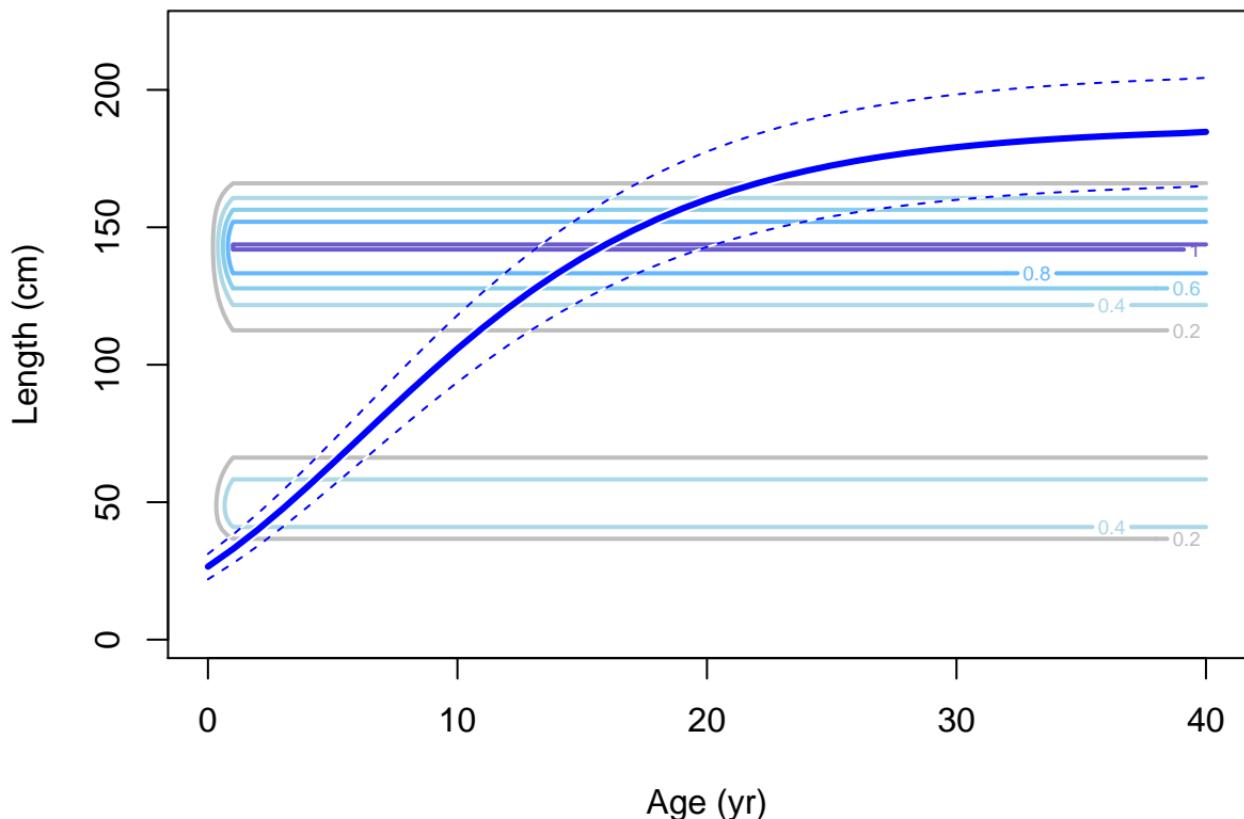
## Male ending year selectivity and growth for A3–NOADEL



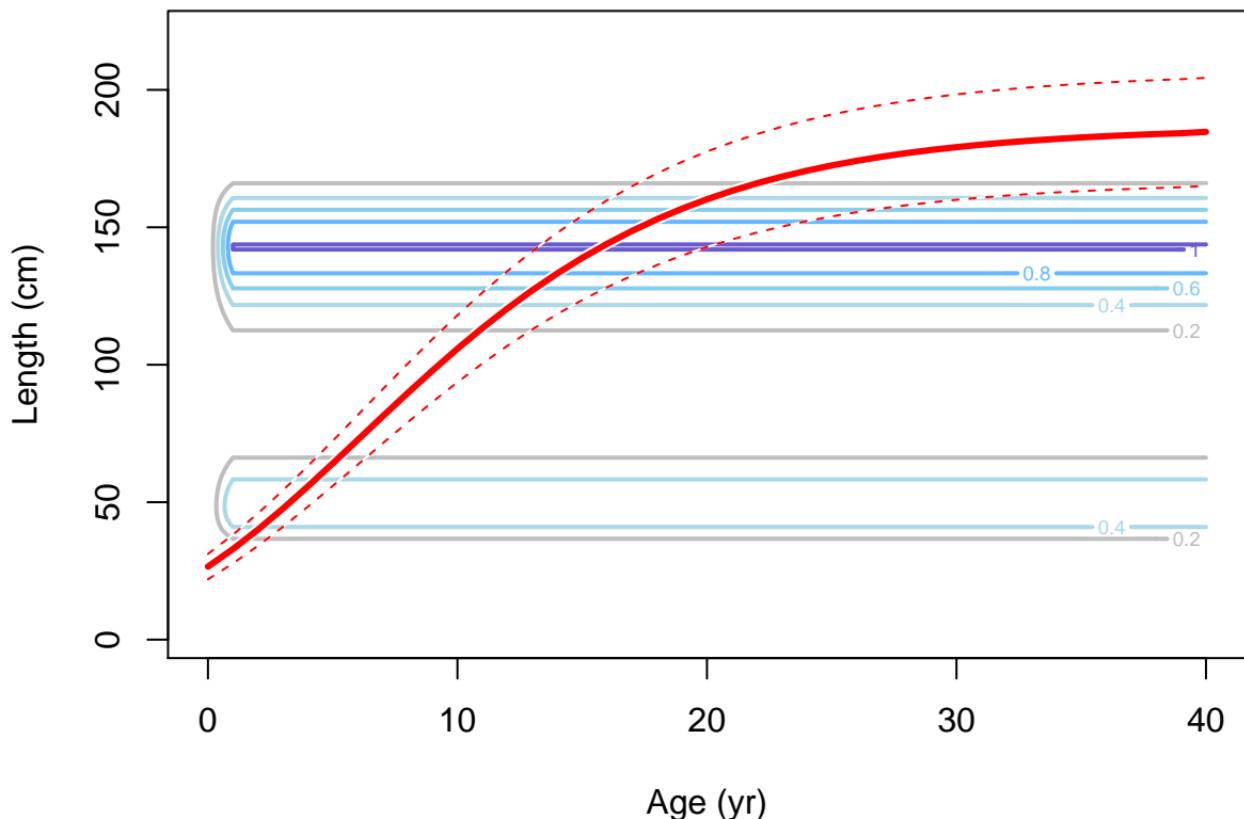
## Female ending year selectivity and growth for A4-NOADEL



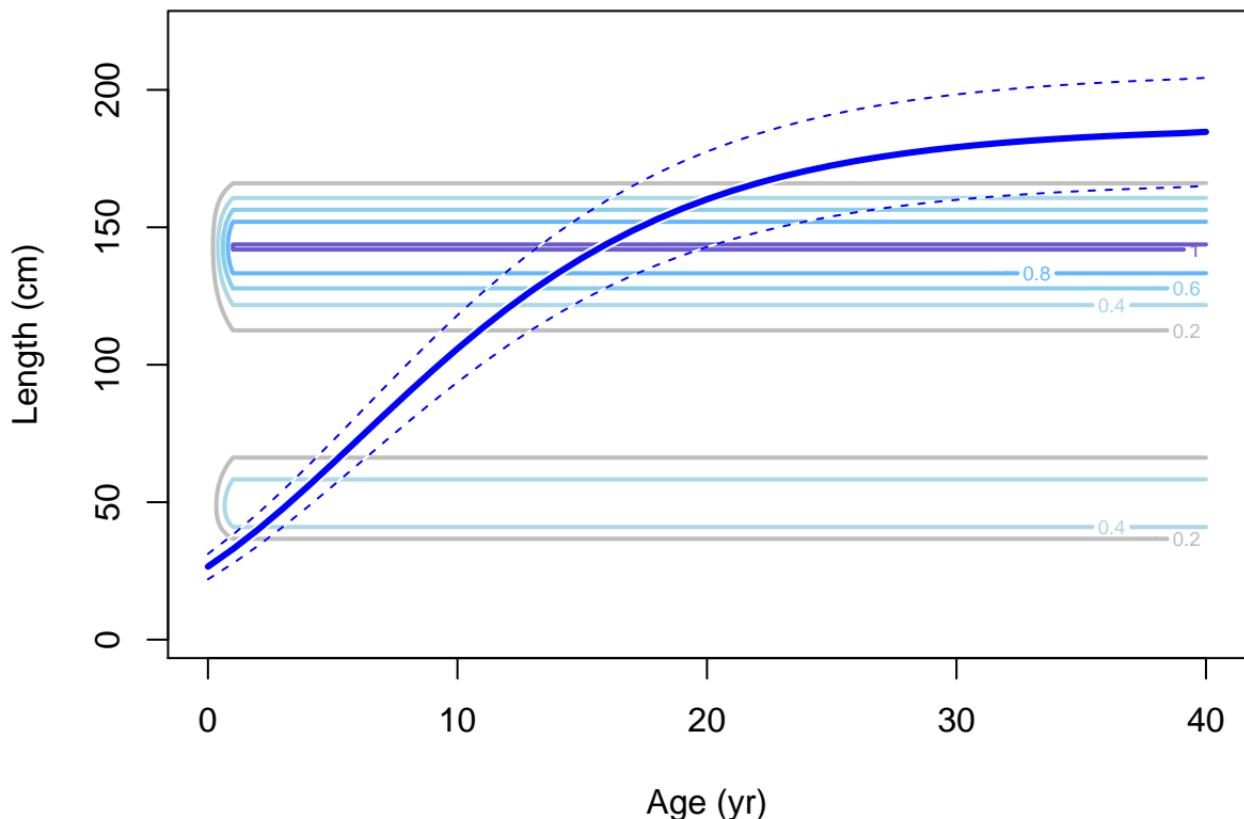
## Male ending year selectivity and growth for A4–NOADEL



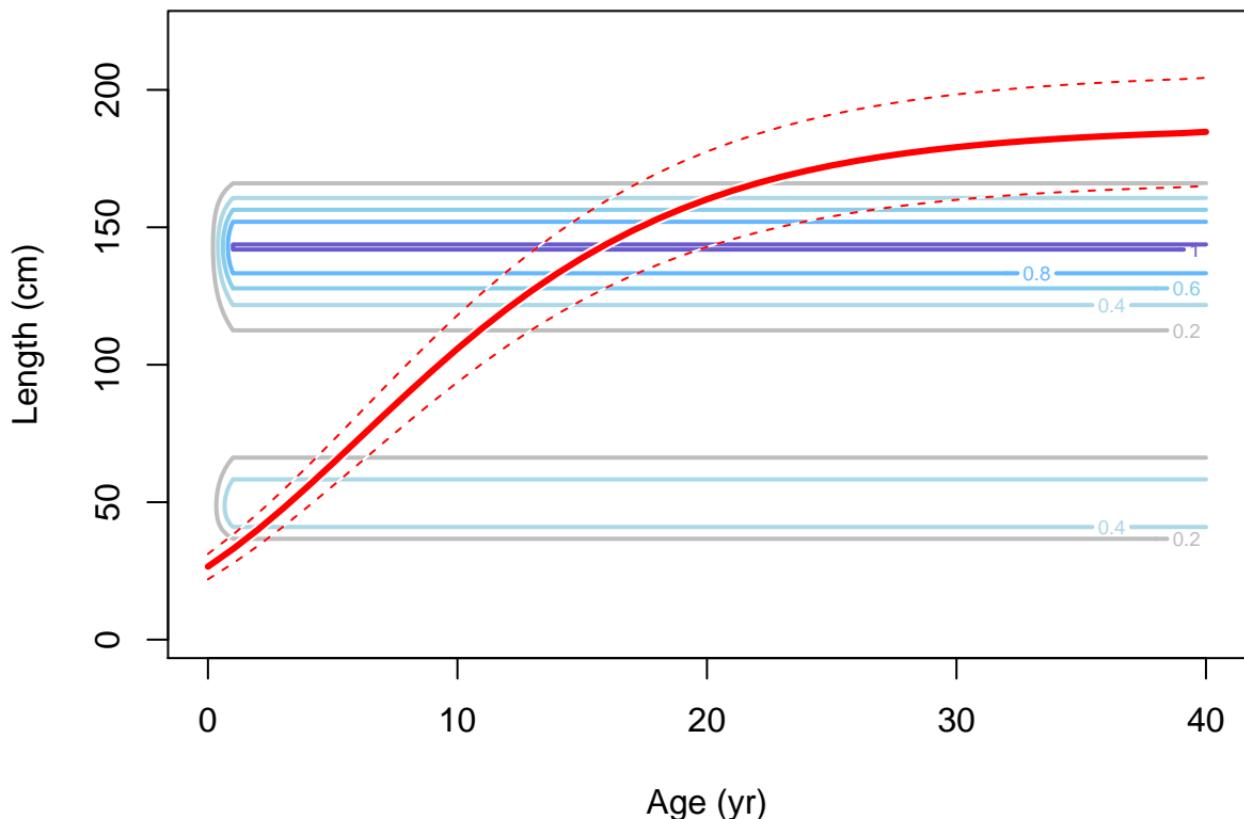
## Female ending year selectivity and growth for A5-NOADEL



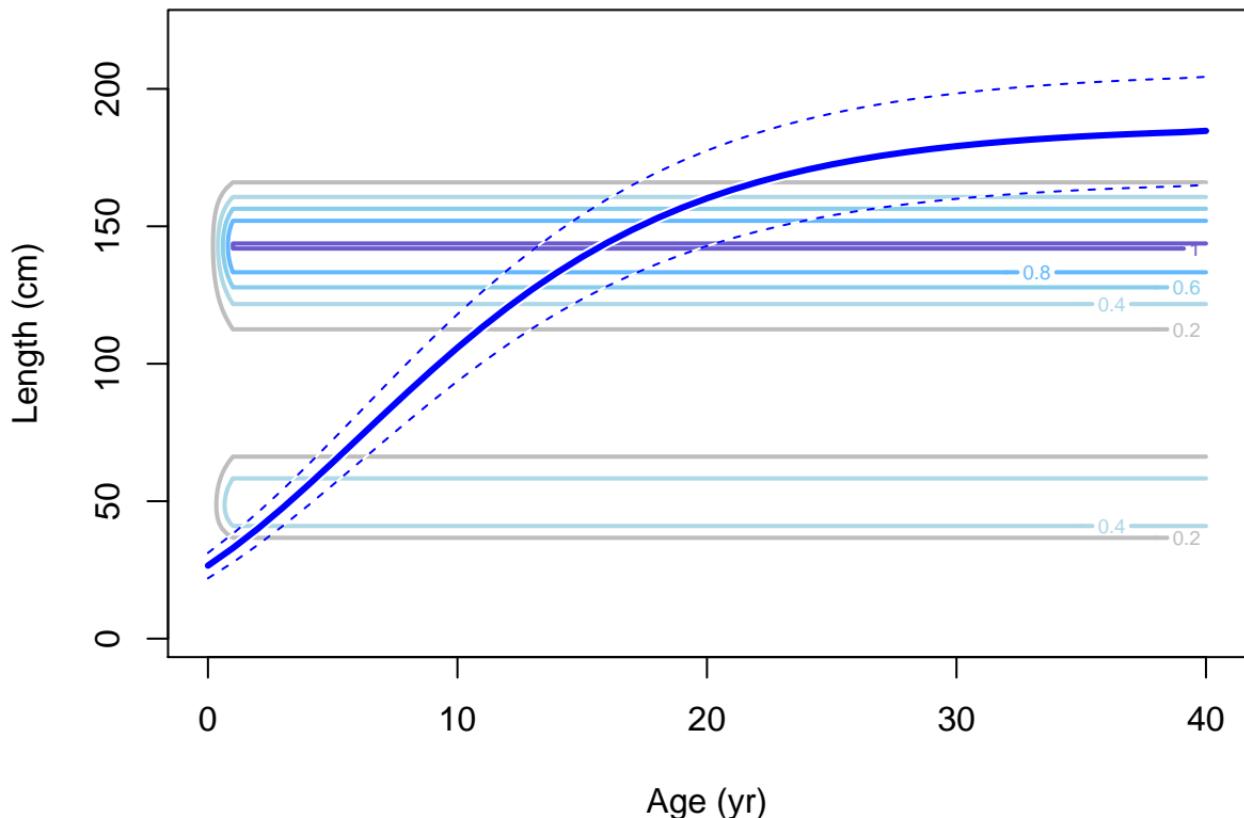
## Male ending year selectivity and growth for A5–NOADEL



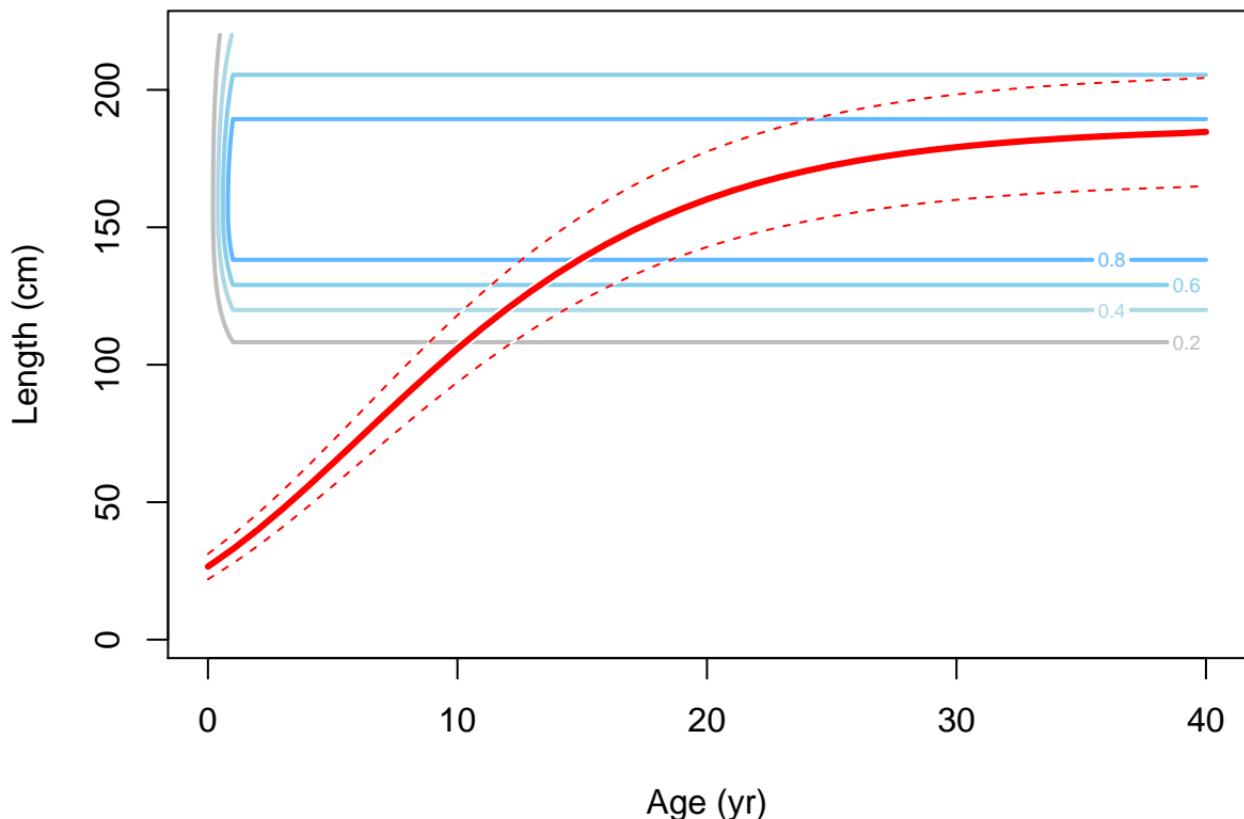
## Female ending year selectivity and growth for A6-NOADEL



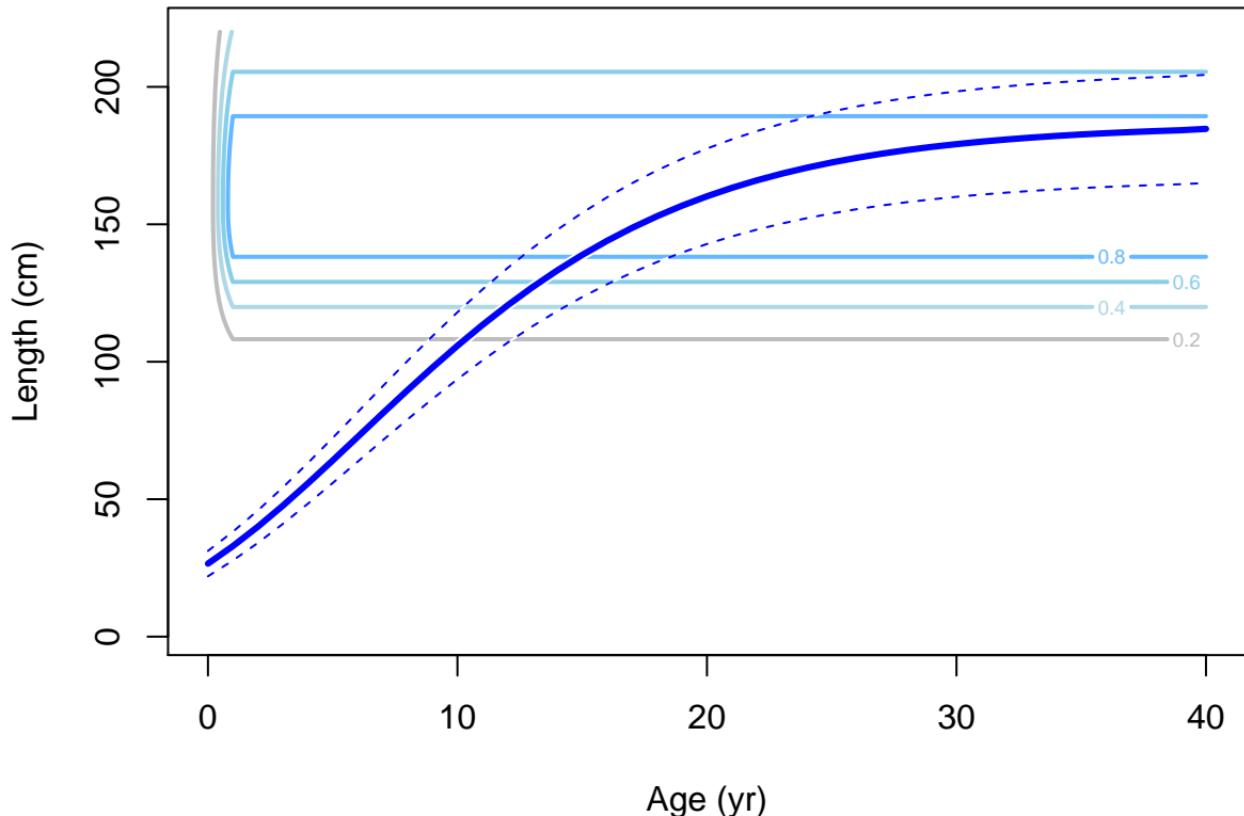
## Male ending year selectivity and growth for A6–NOADEL



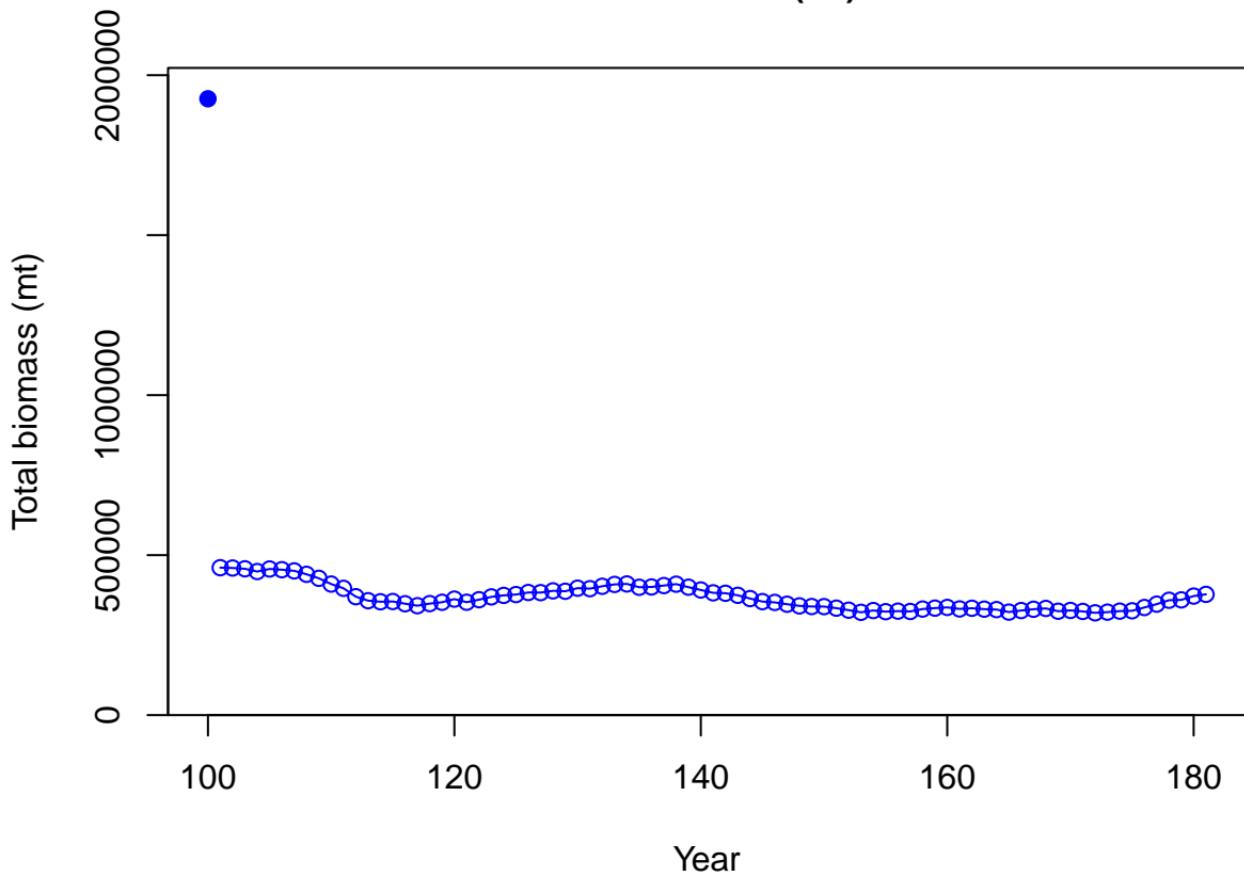
## Female ending year selectivity and growth for EPO–LL–survey–late



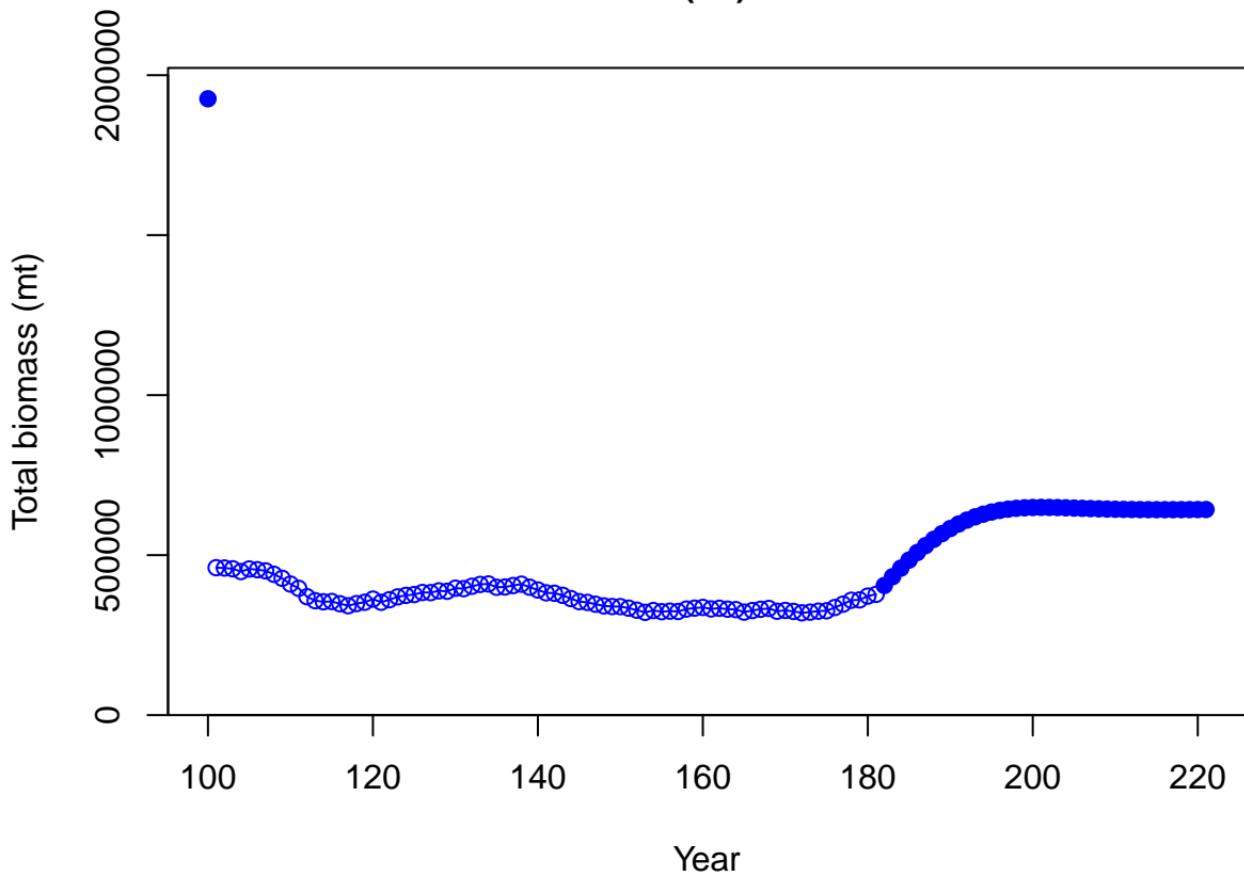
## Male ending year selectivity and growth for EPO-LL-survey-late



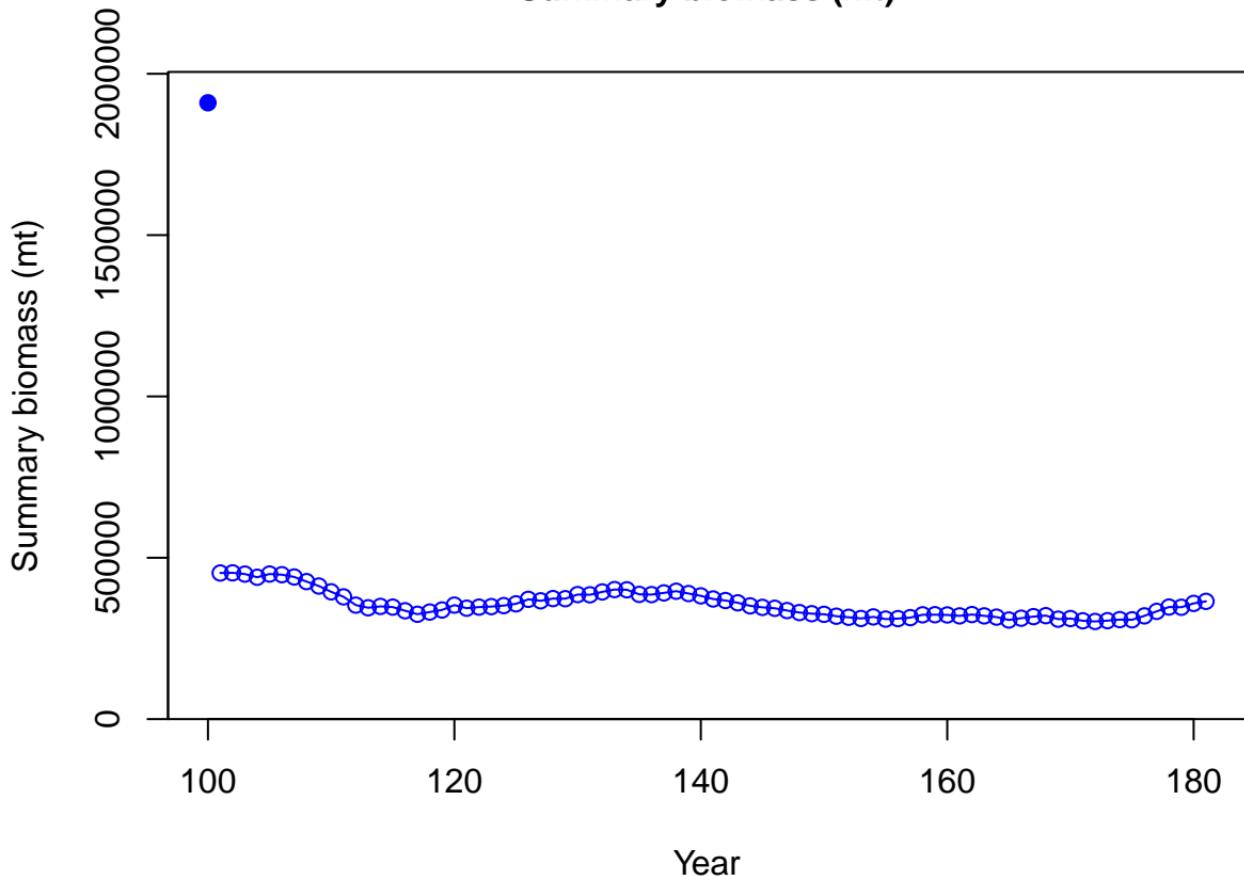
### Total biomass (mt)



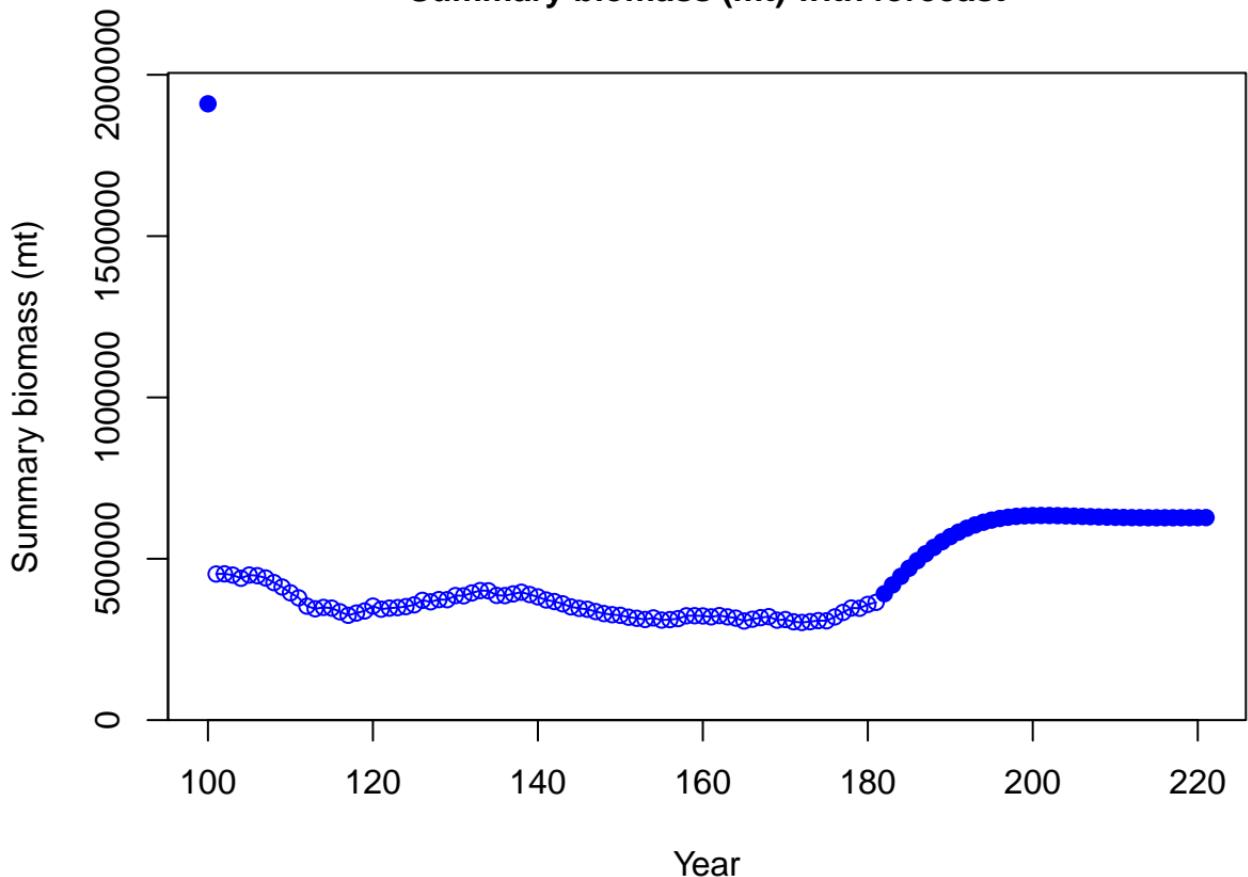
### Total biomass (mt) with forecast



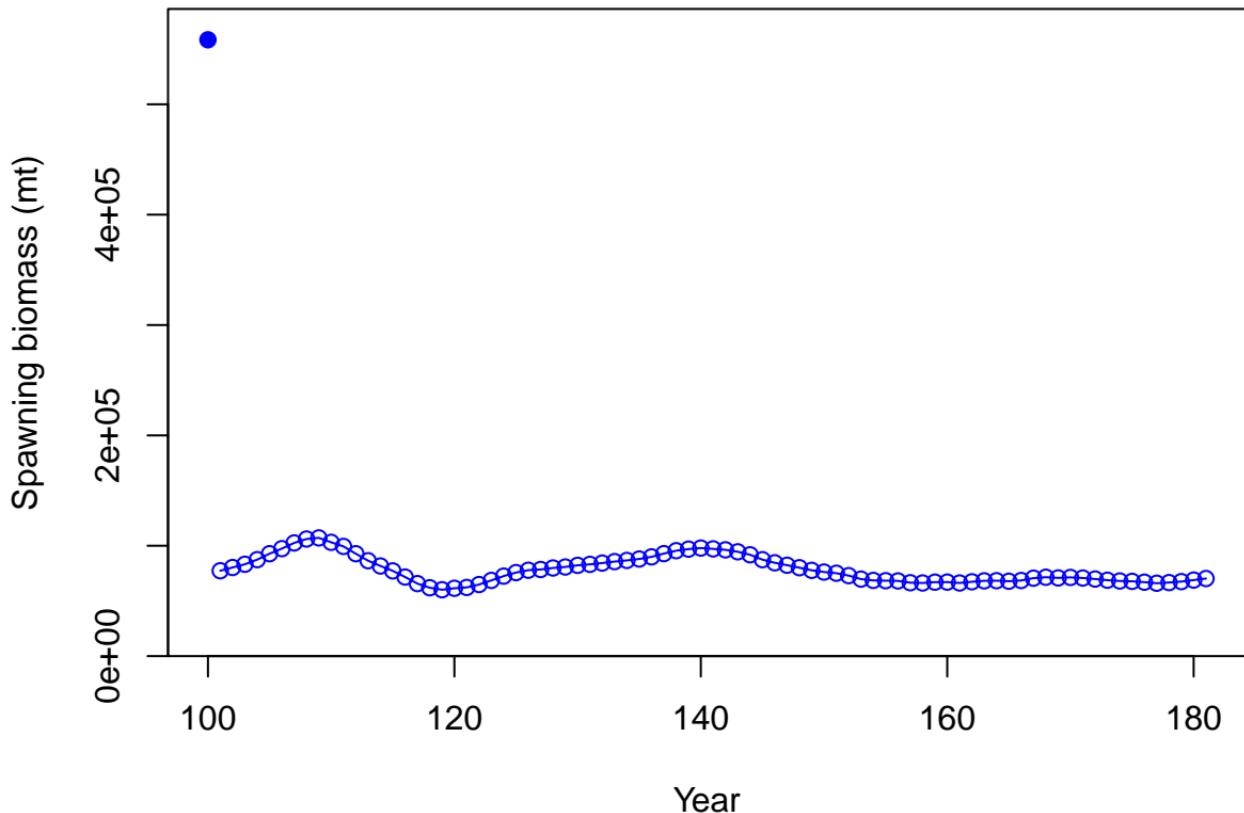
### Summary biomass (mt)



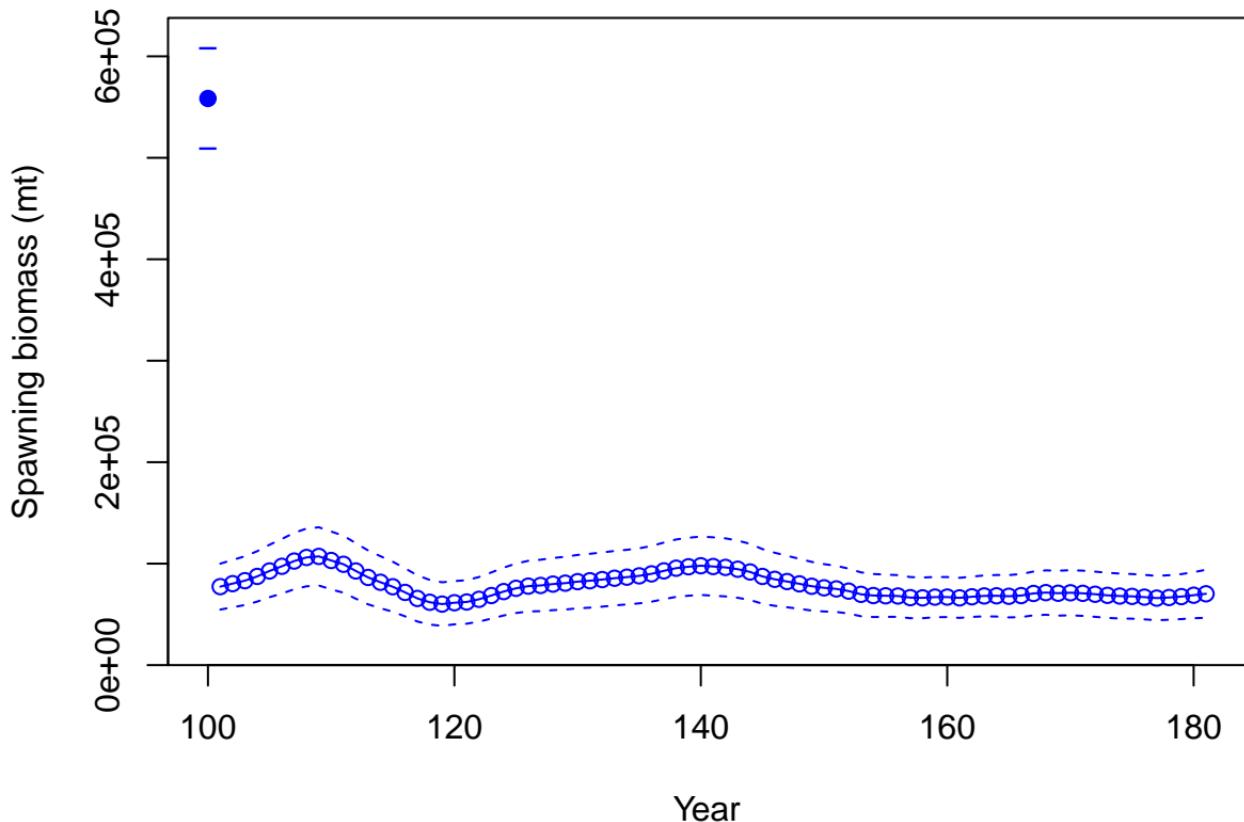
## Summary biomass (mt) with forecast



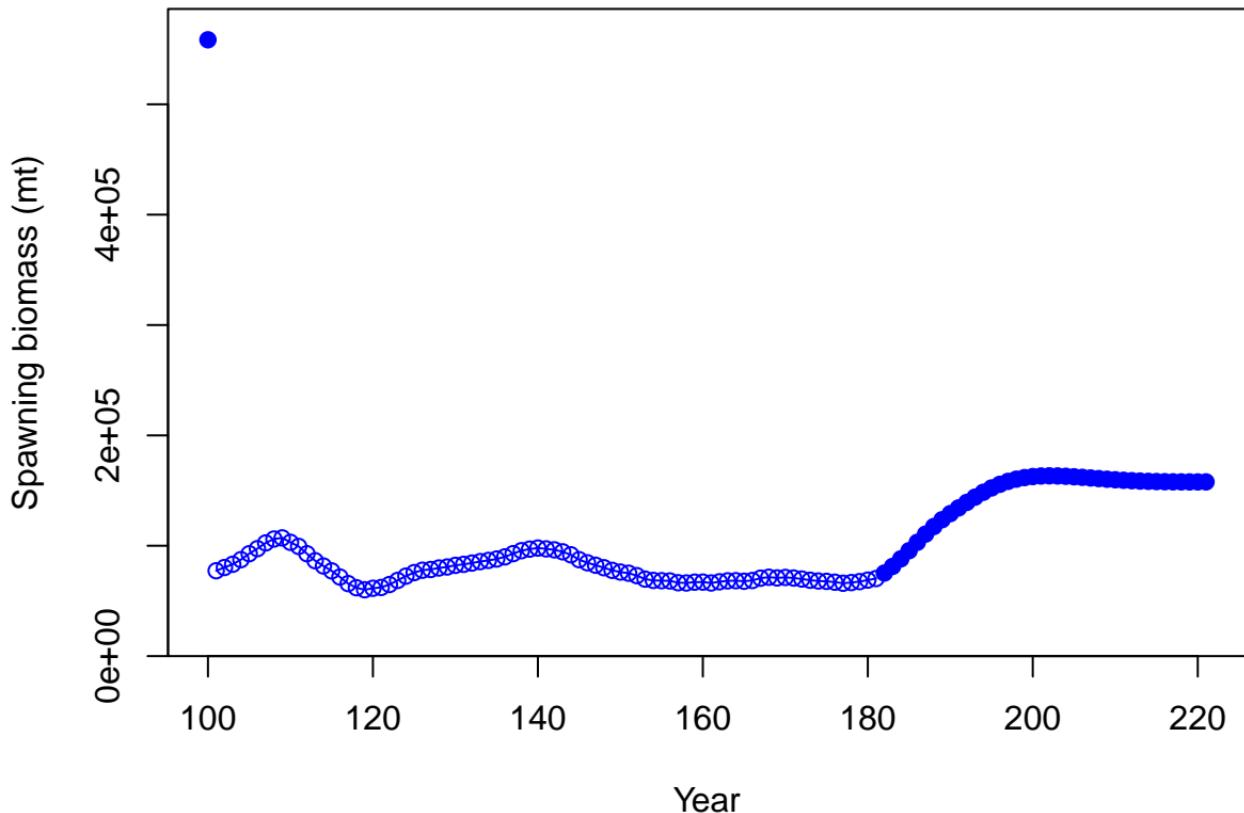
## Spawning biomass (mt)



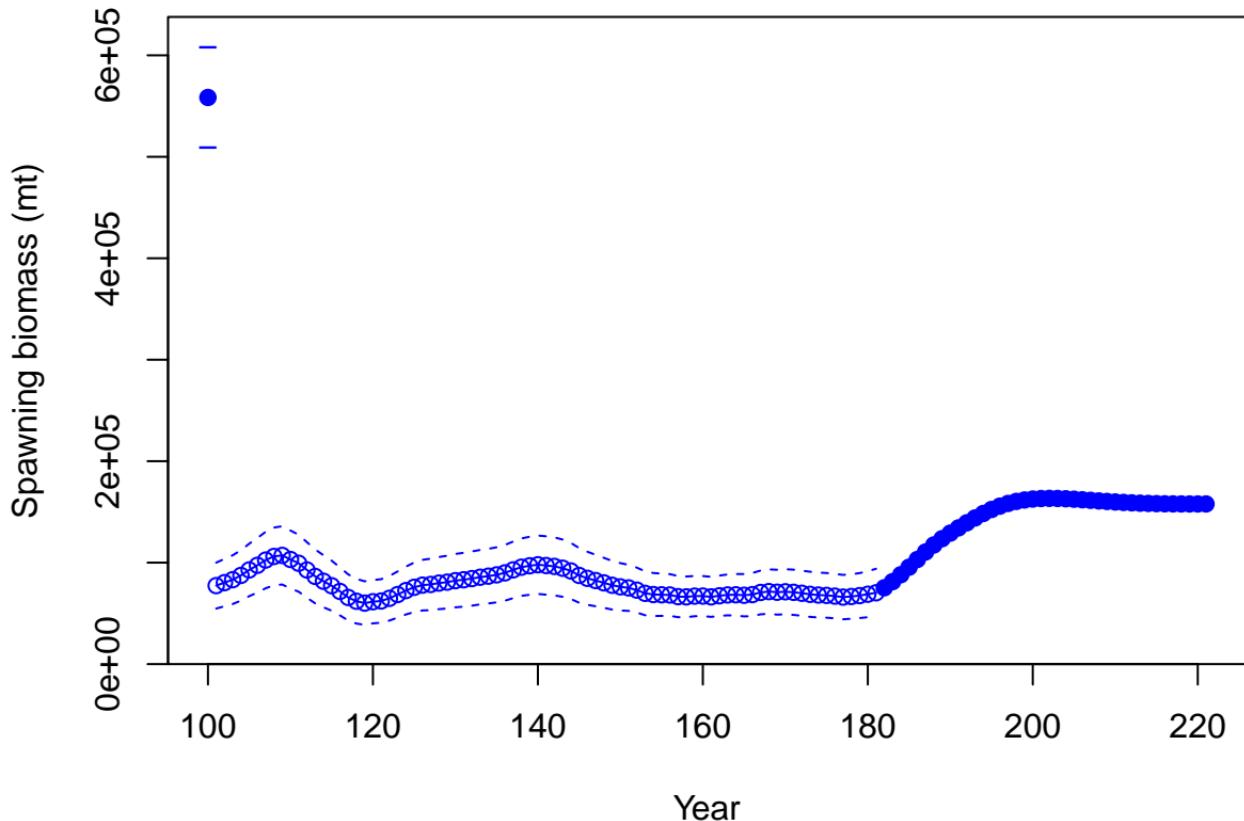
## Spawning biomass (mt) with ~95% asymptotic intervals



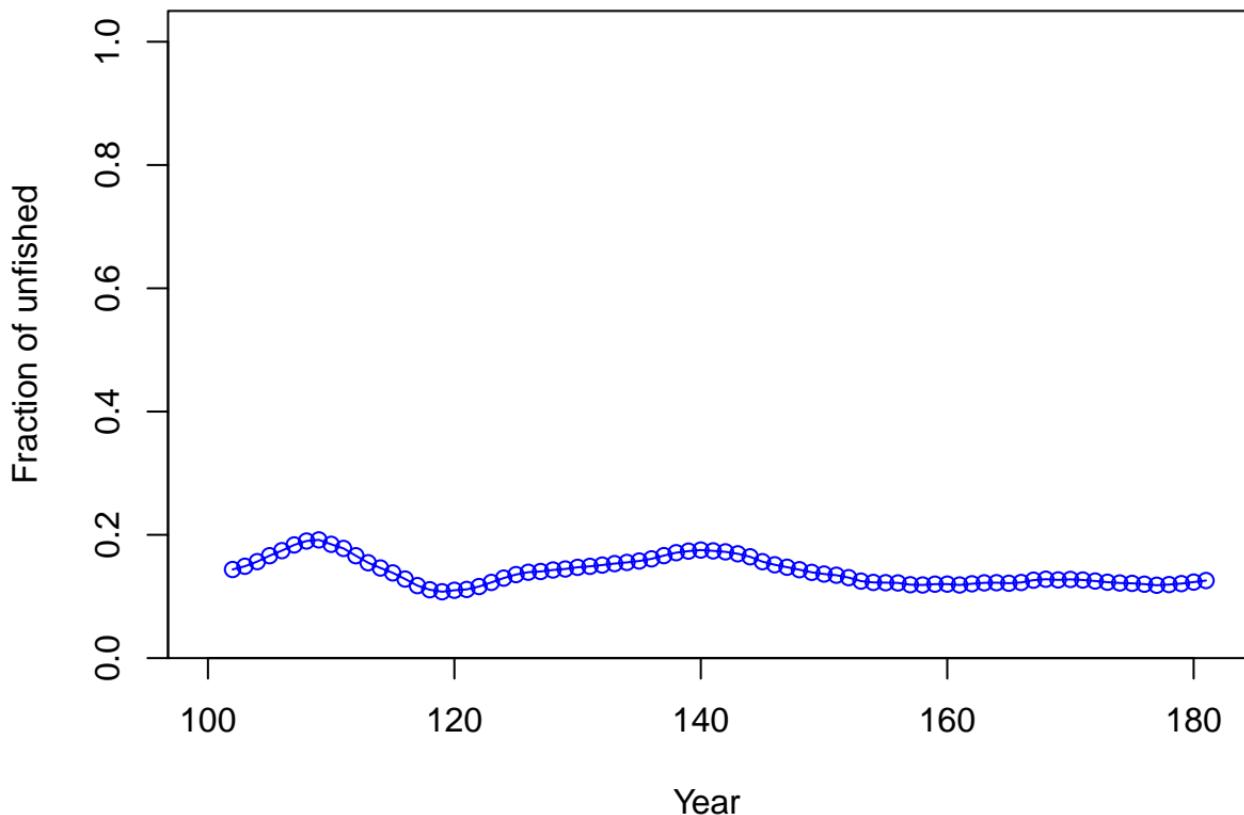
## Spawning biomass (mt) with forecast



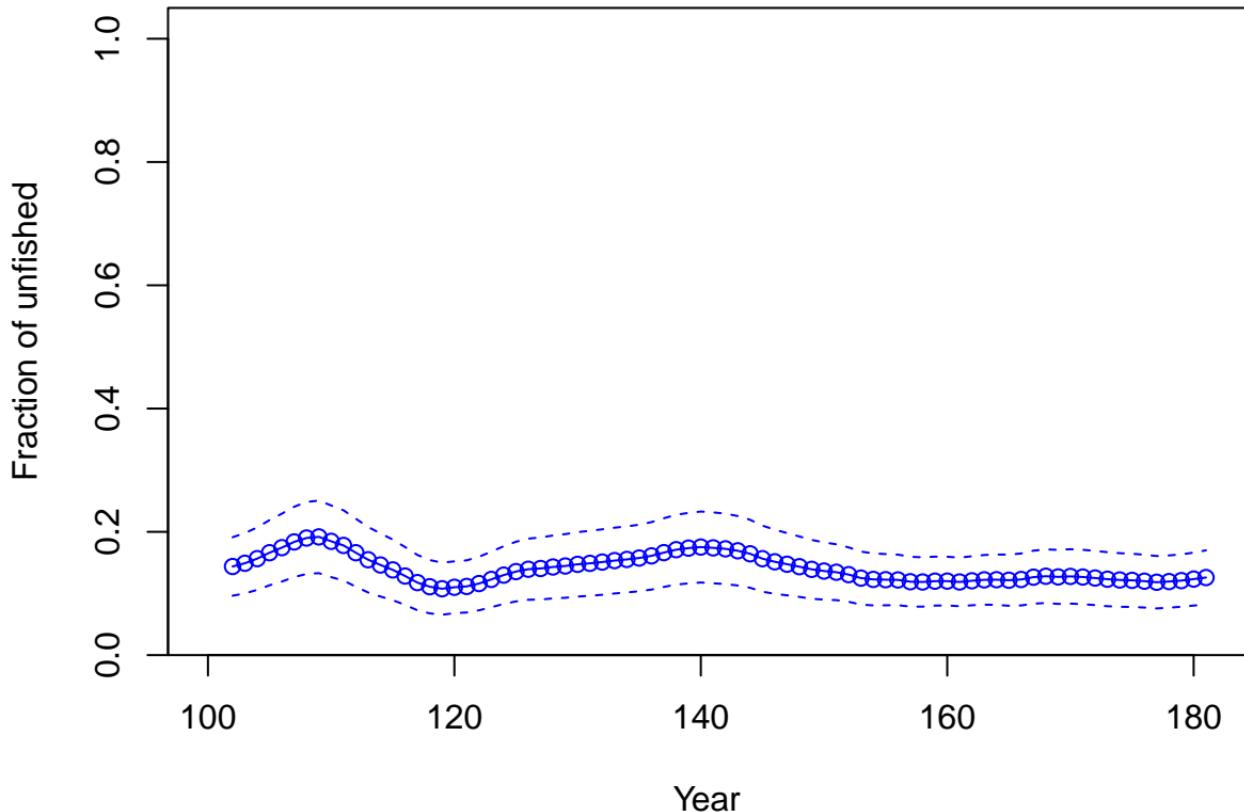
## Spawning biomass (mt) with forecast with ~95% asymptotic intervals



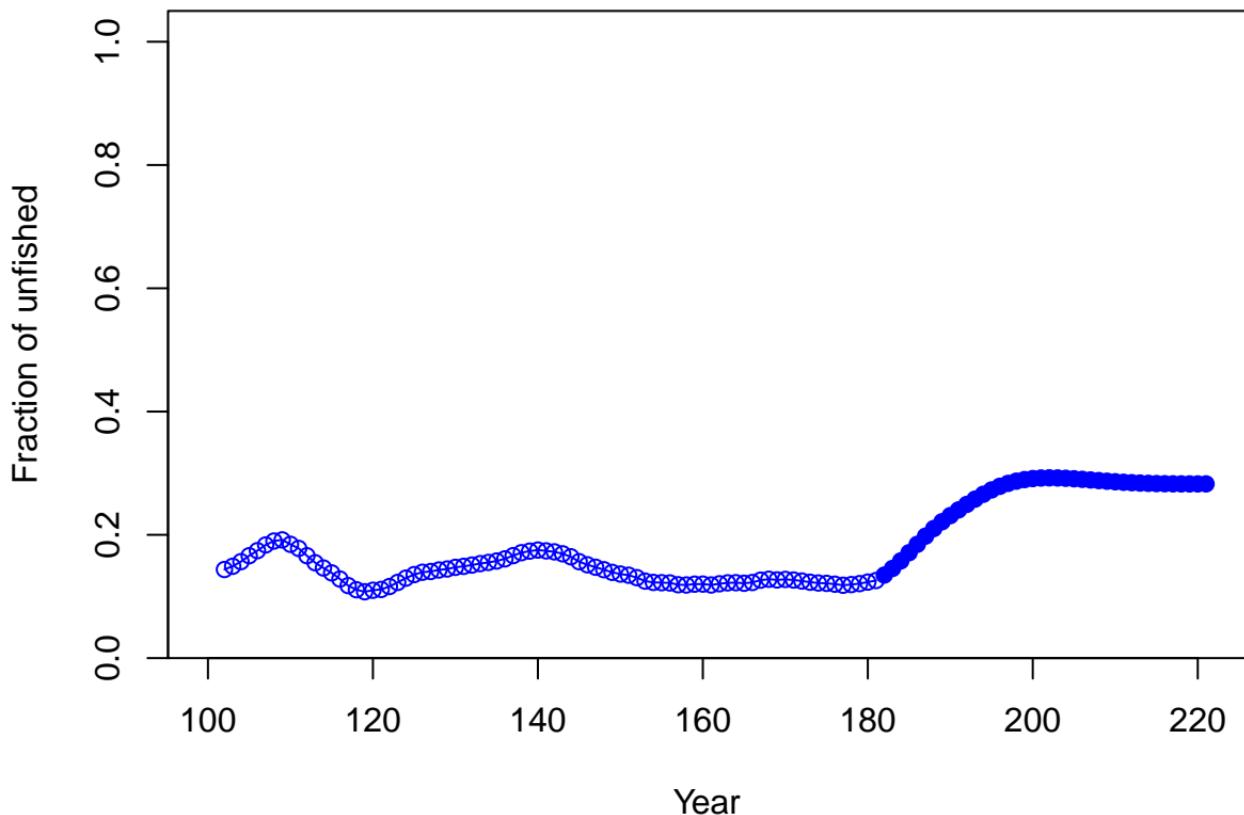
### Fraction of unfished



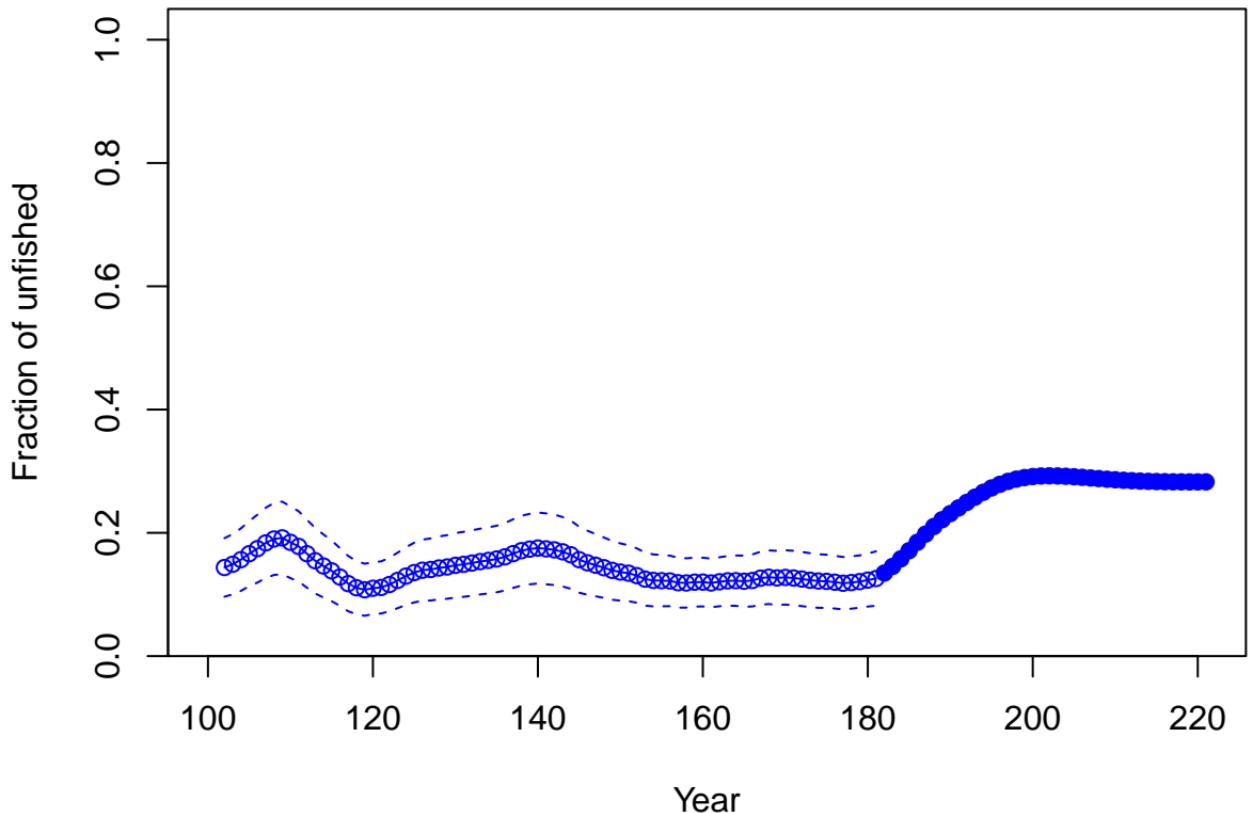
## Fraction of unfished with ~95% asymptotic intervals



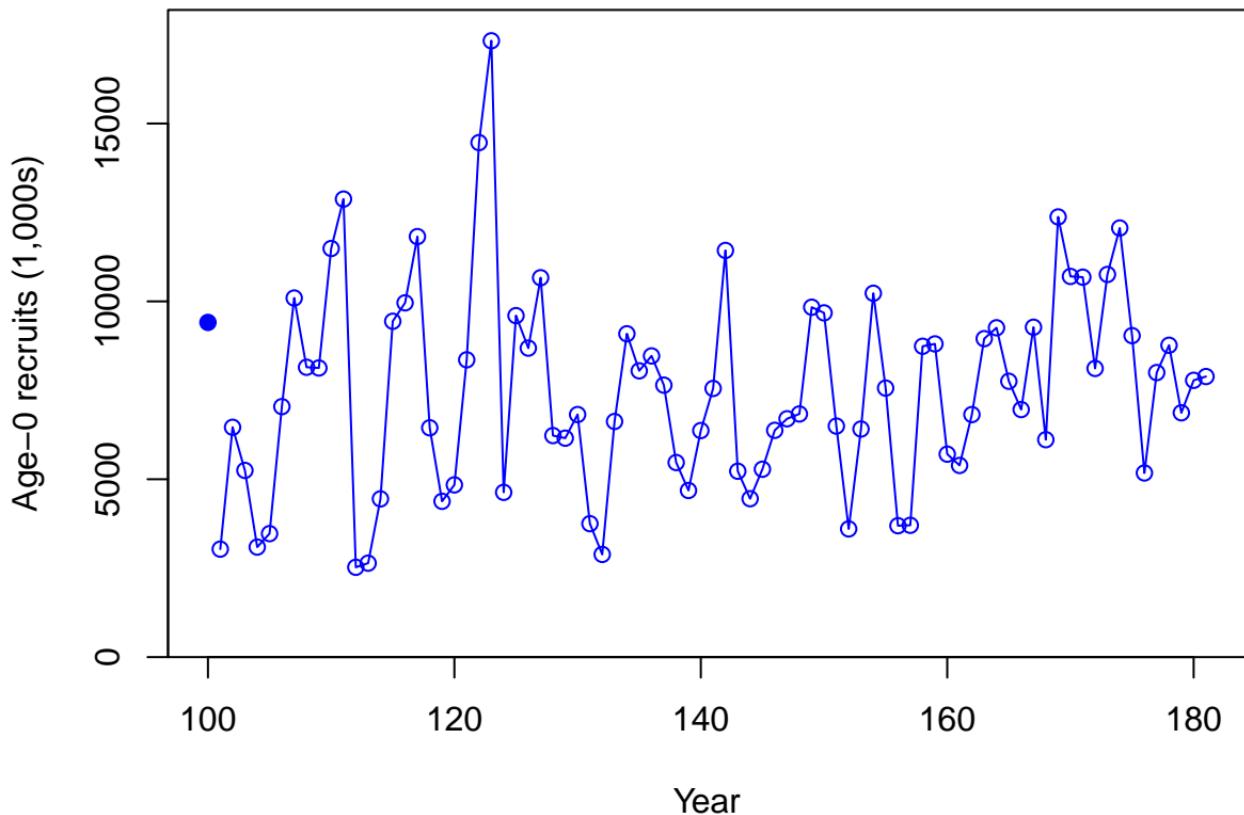
## Fraction of unfish with forecast



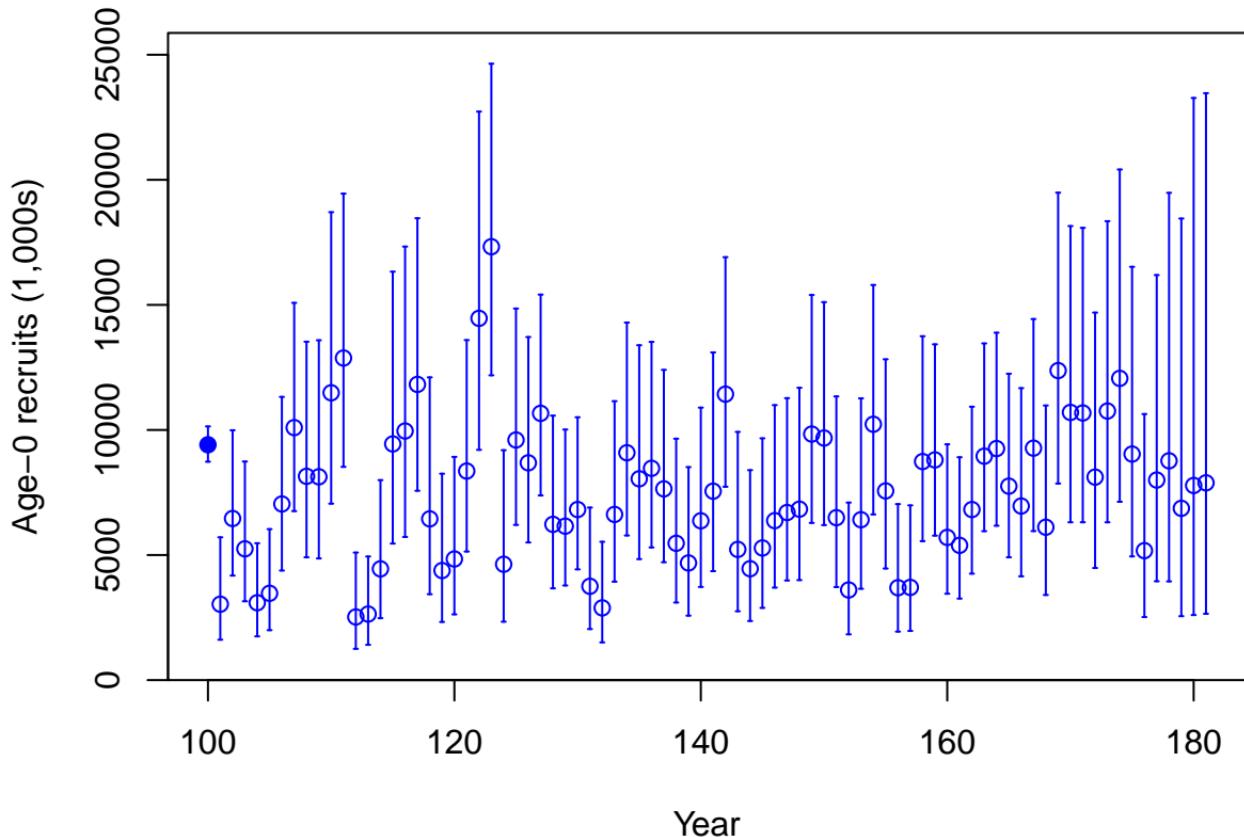
## Fraction of unfished with forecast with ~95% asymptotic intervals



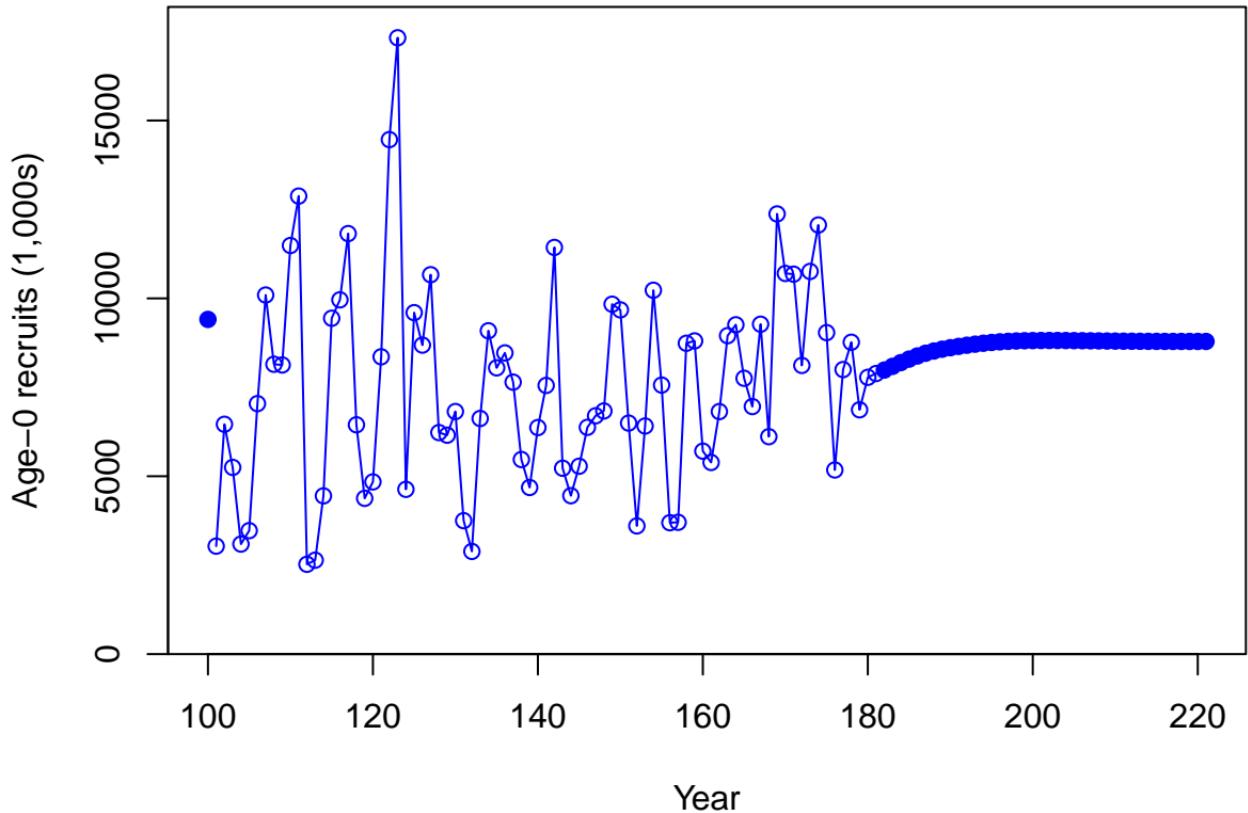
## Age-0 recruits (1,000s)



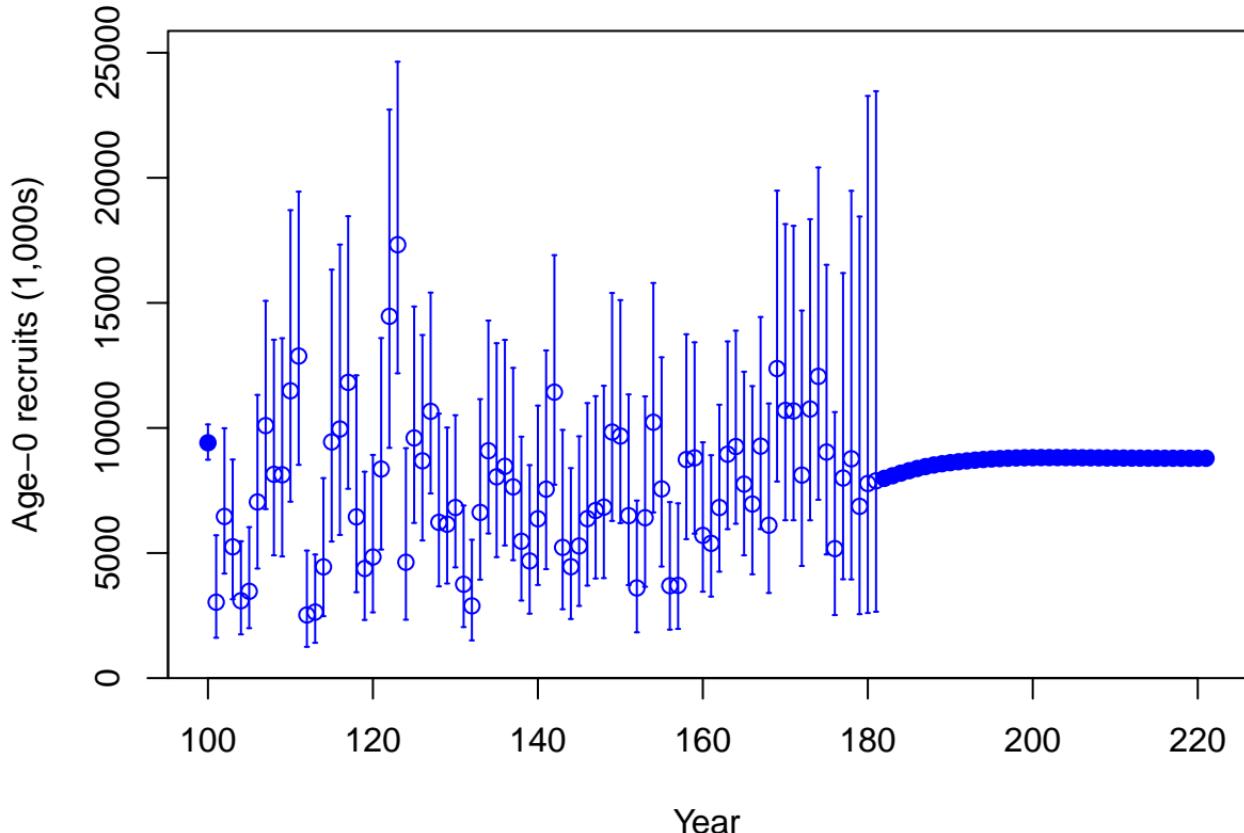
## Age-0 recruits (1,000s) with ~95% asymptotic intervals



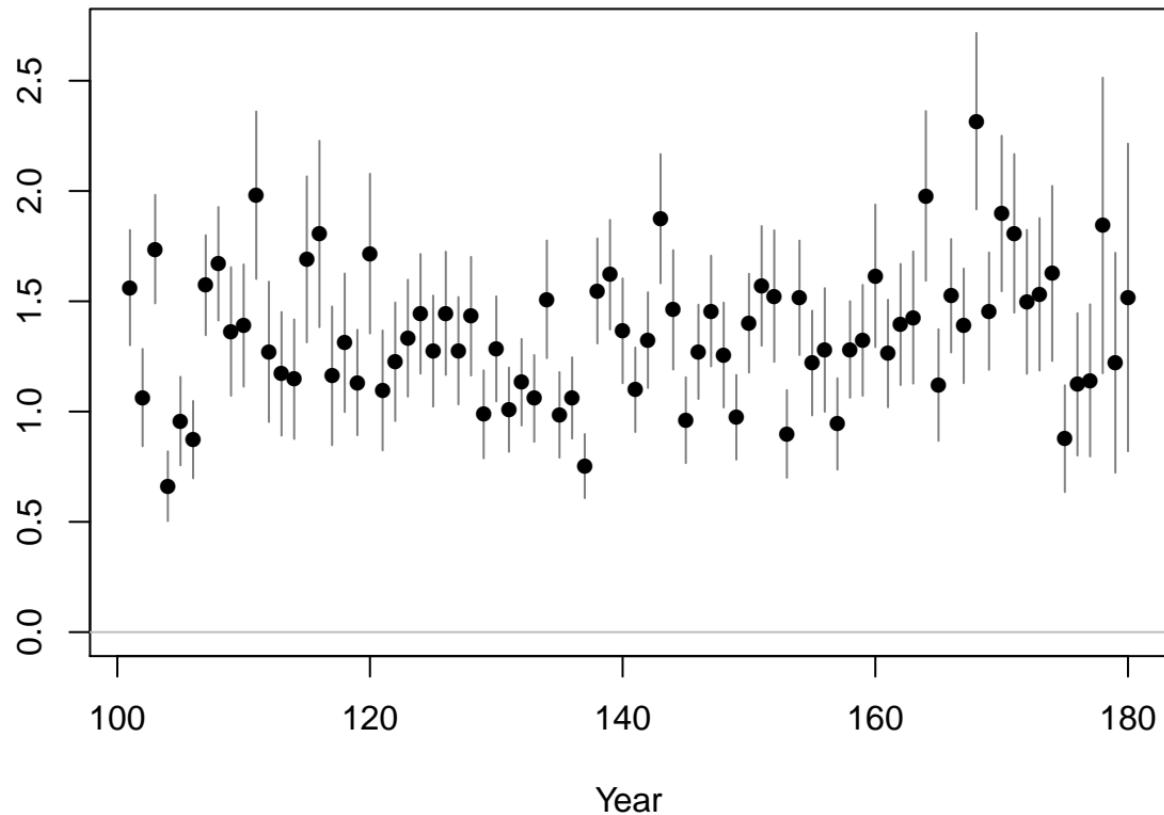
## Age-0 recruits (1,000s) with forecast

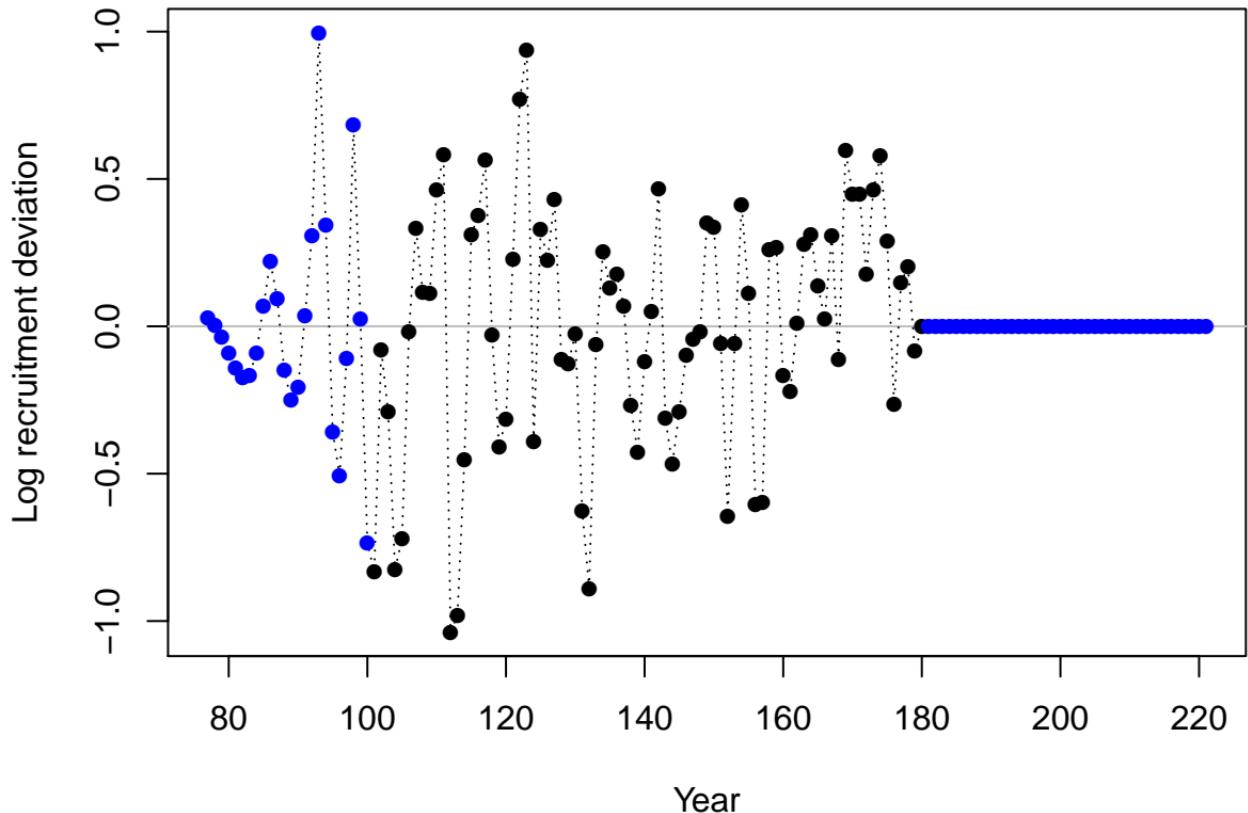


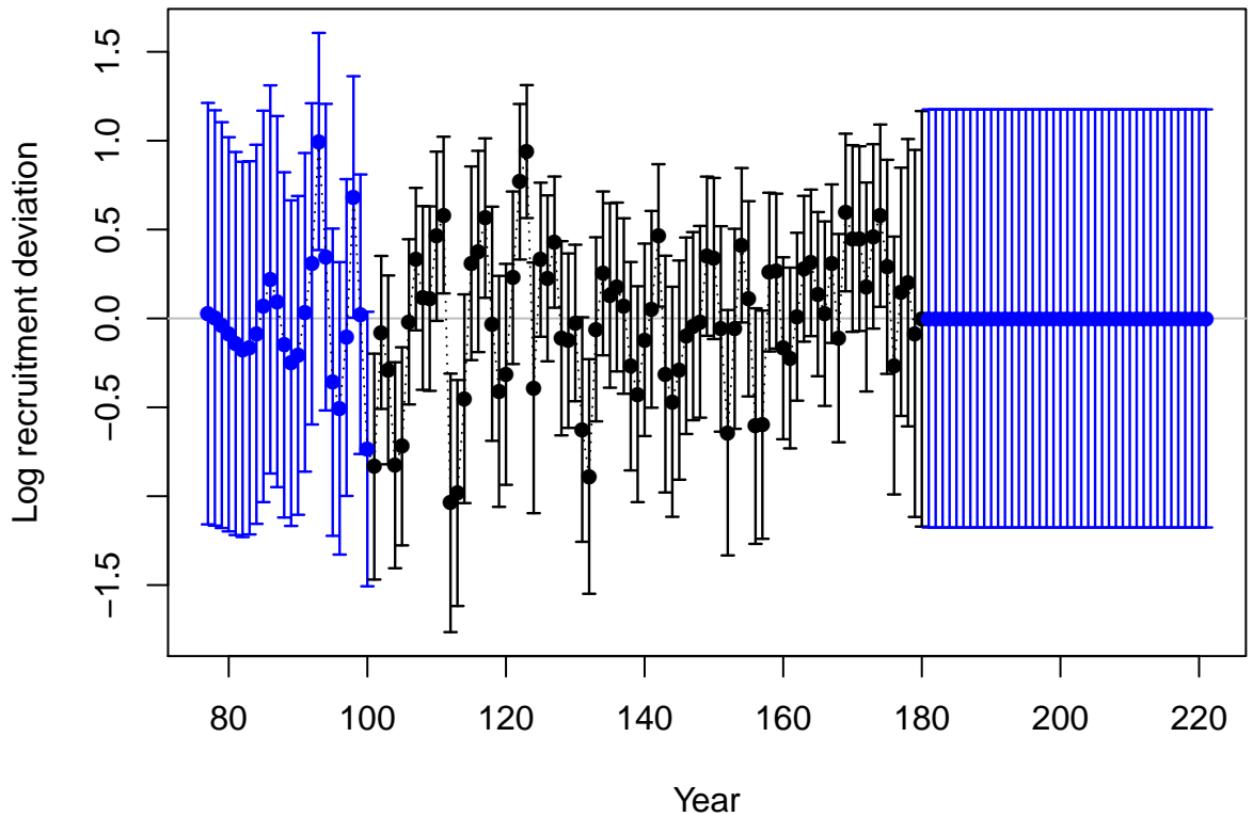
## Age-0 recruits (1,000s) with forecast with ~95% asymptotic intervals



Summary Fishing Mortality

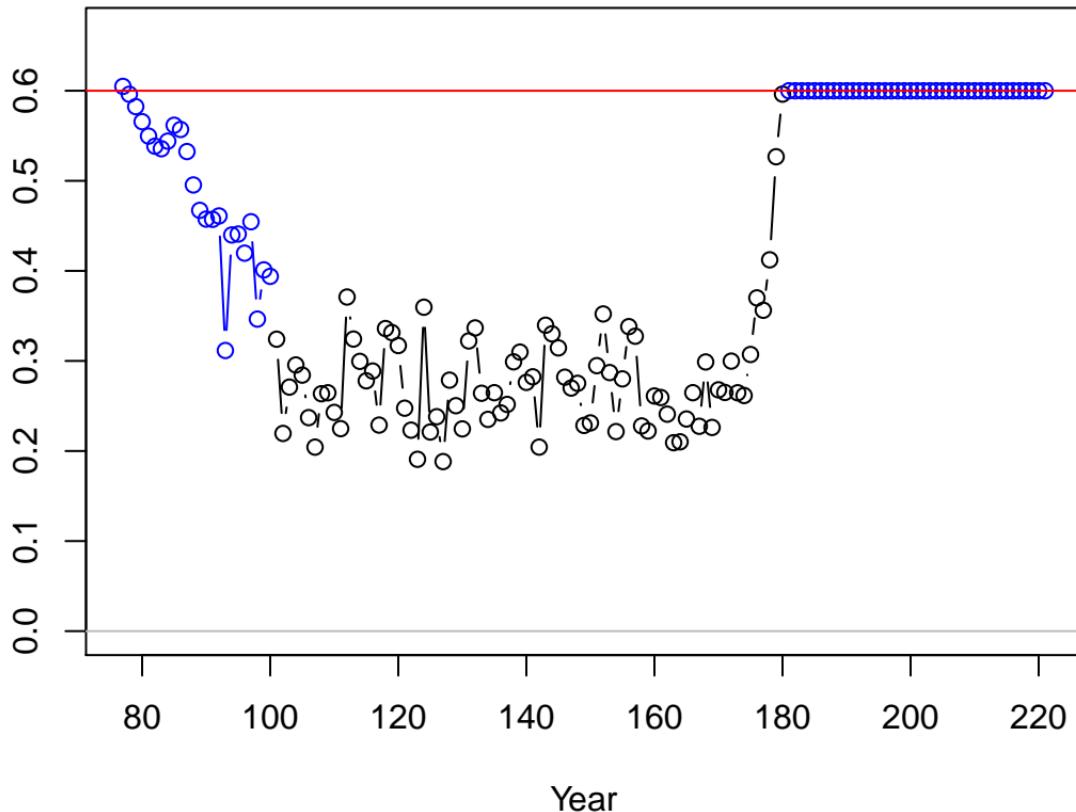


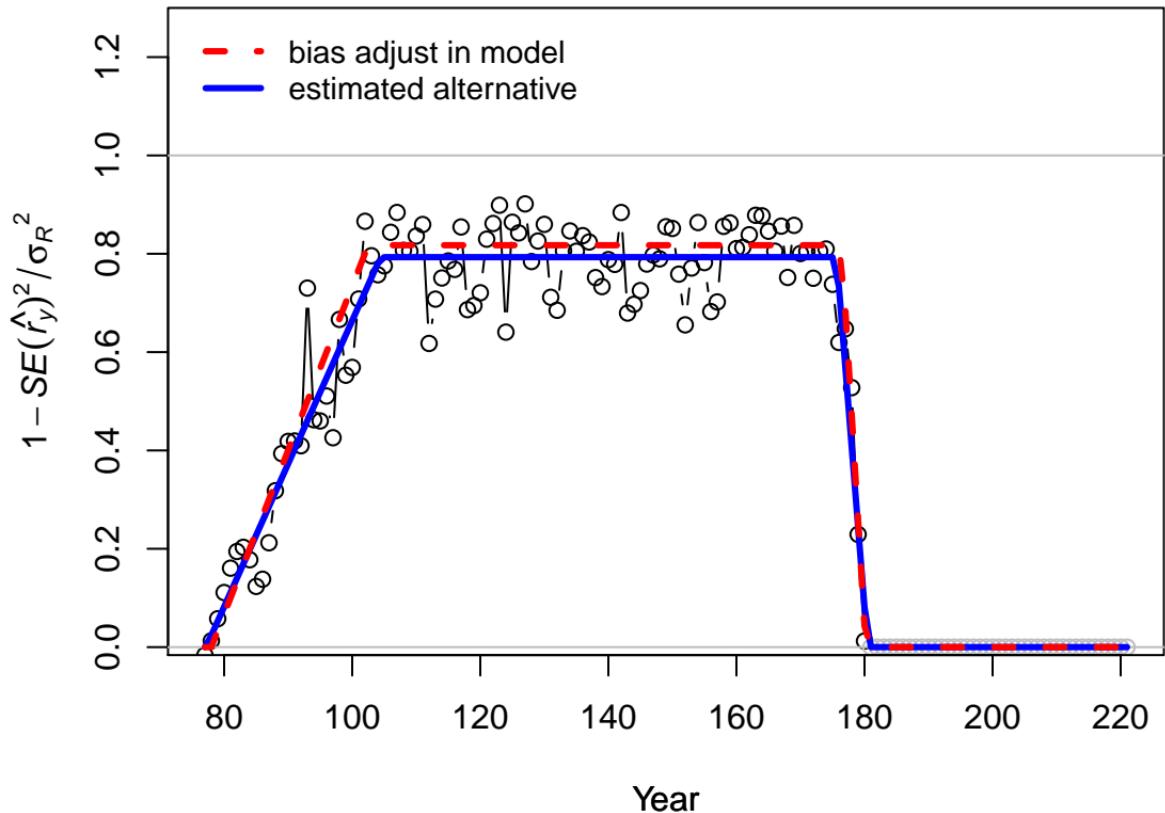


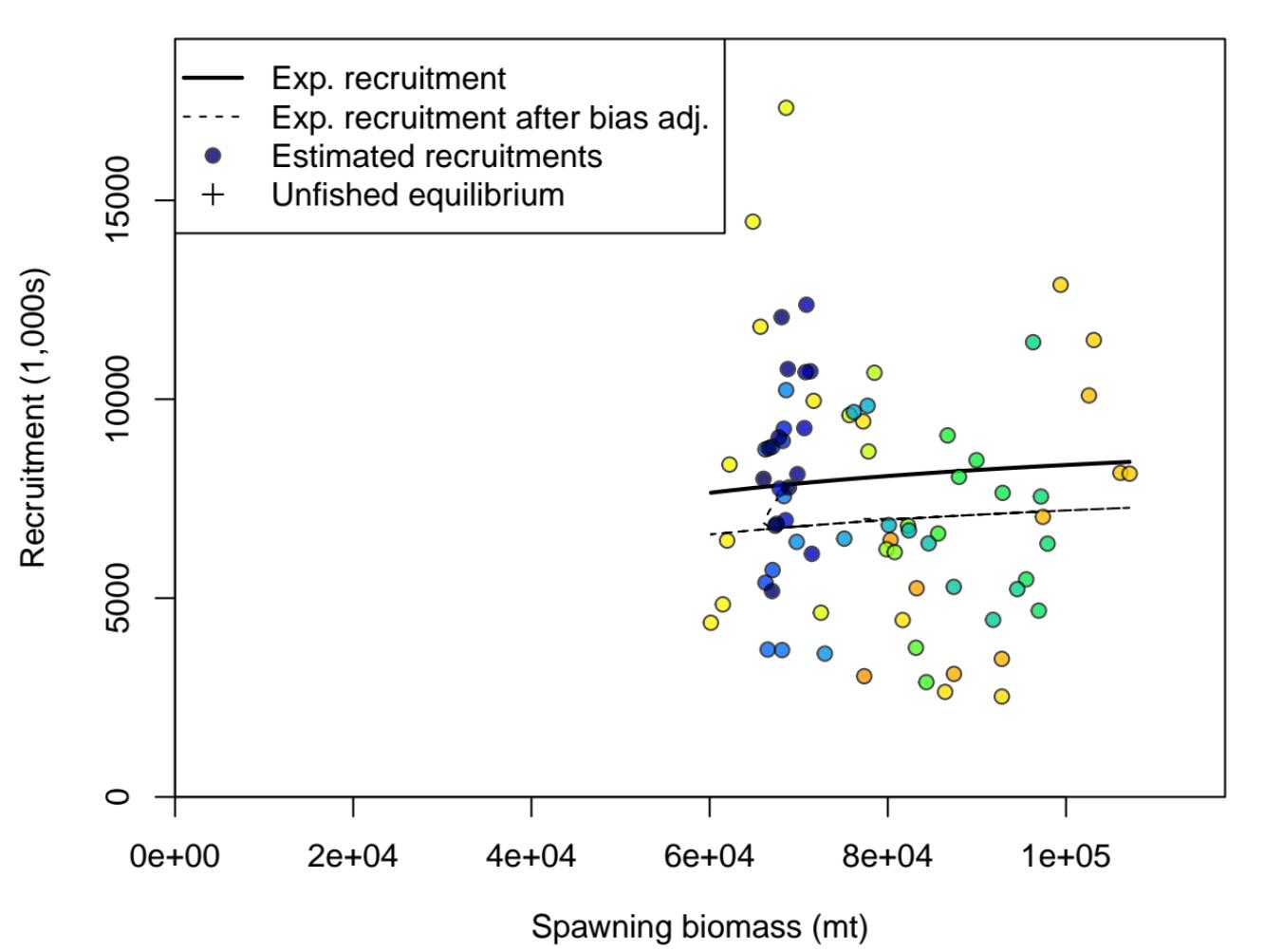


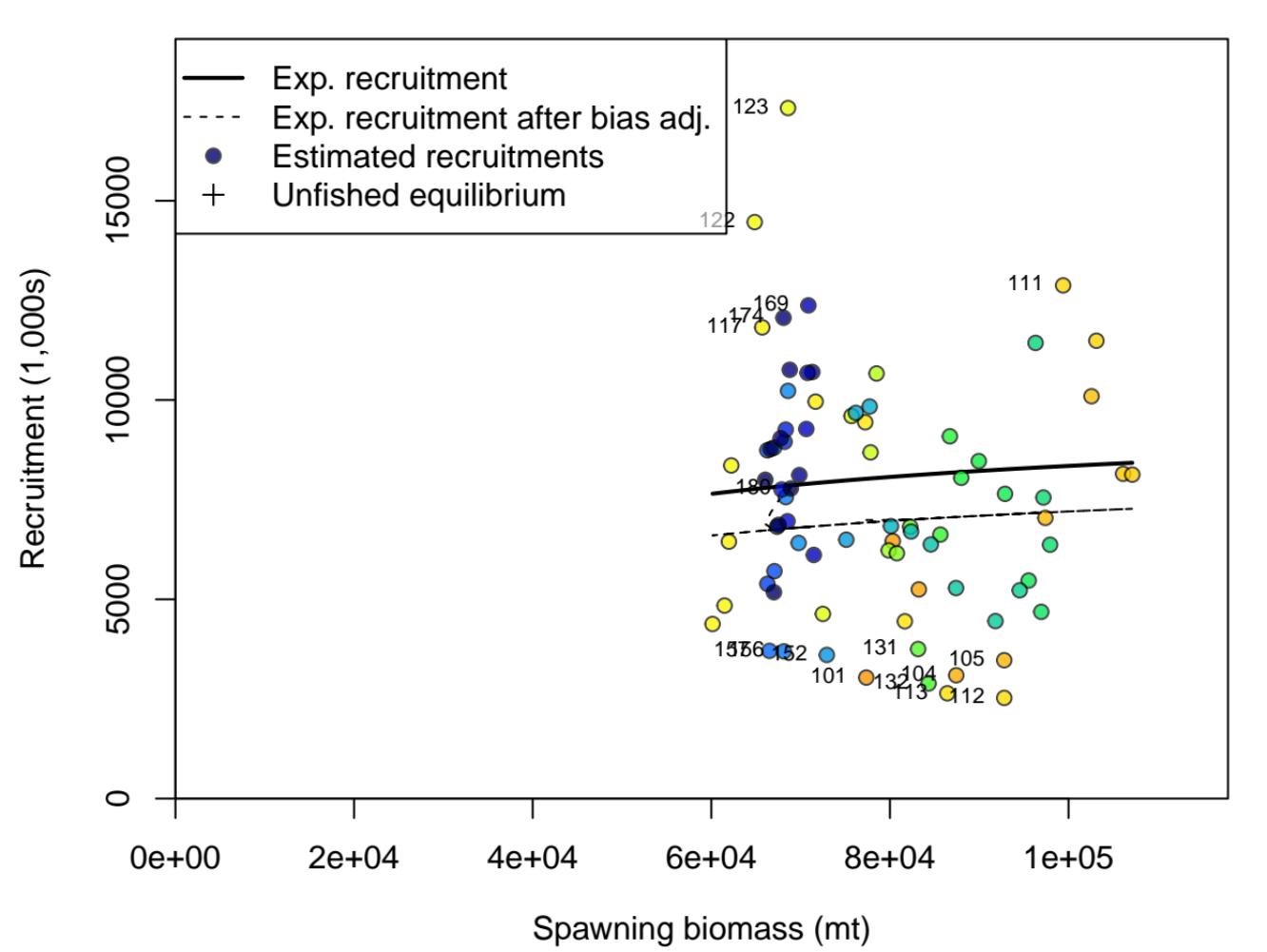
## Recruitment deviation variance

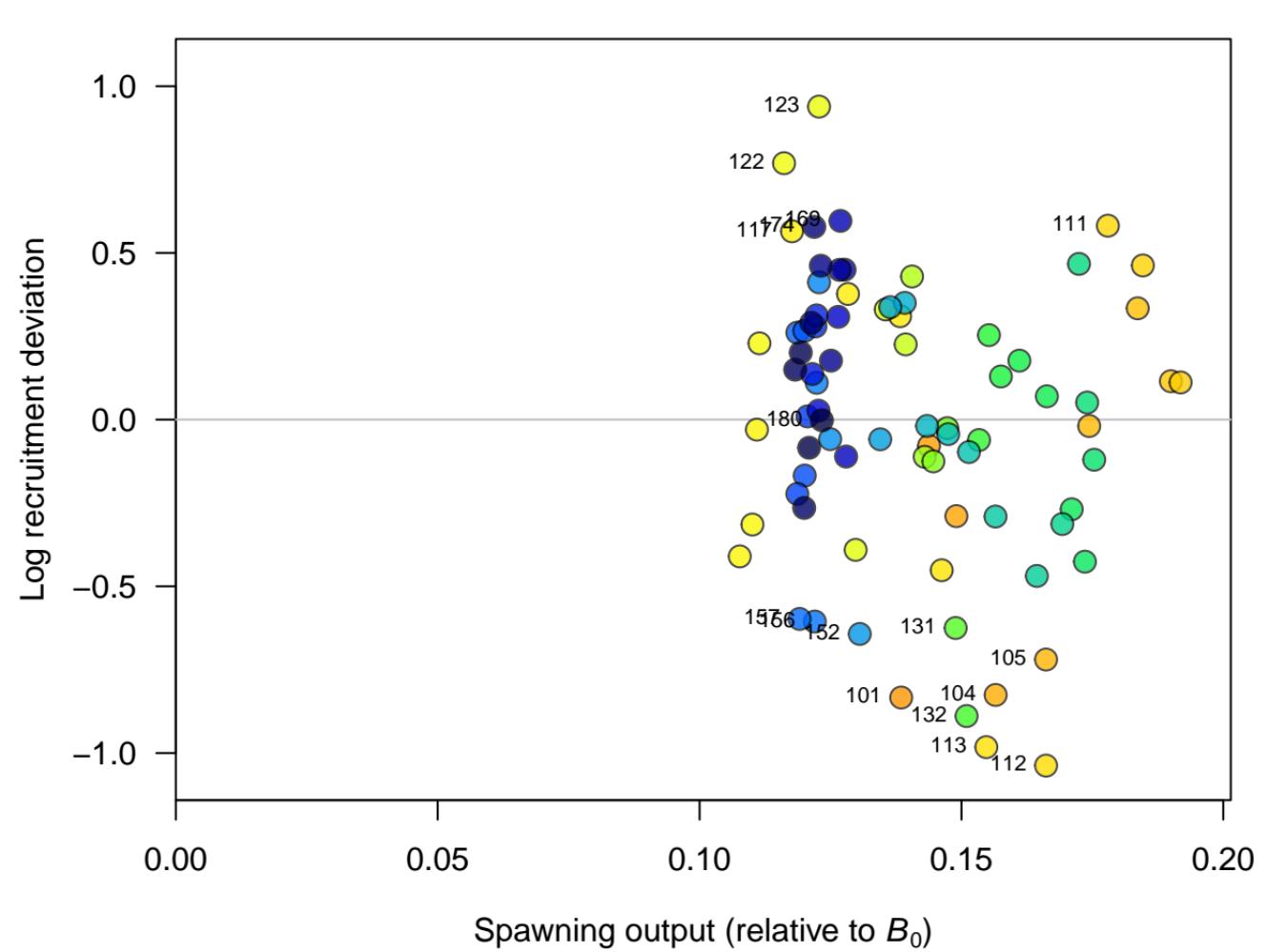
Asymptotic standard error estimate

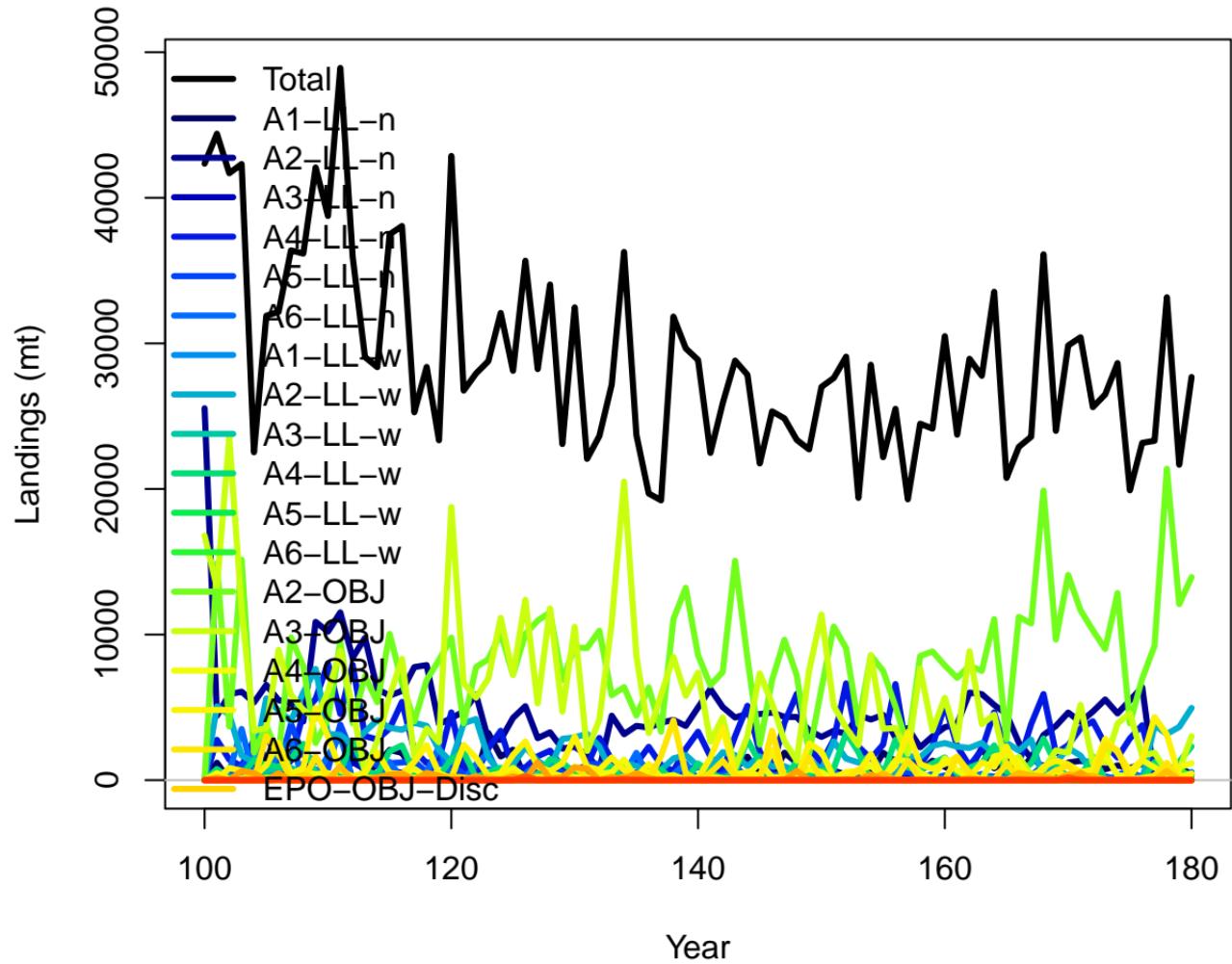


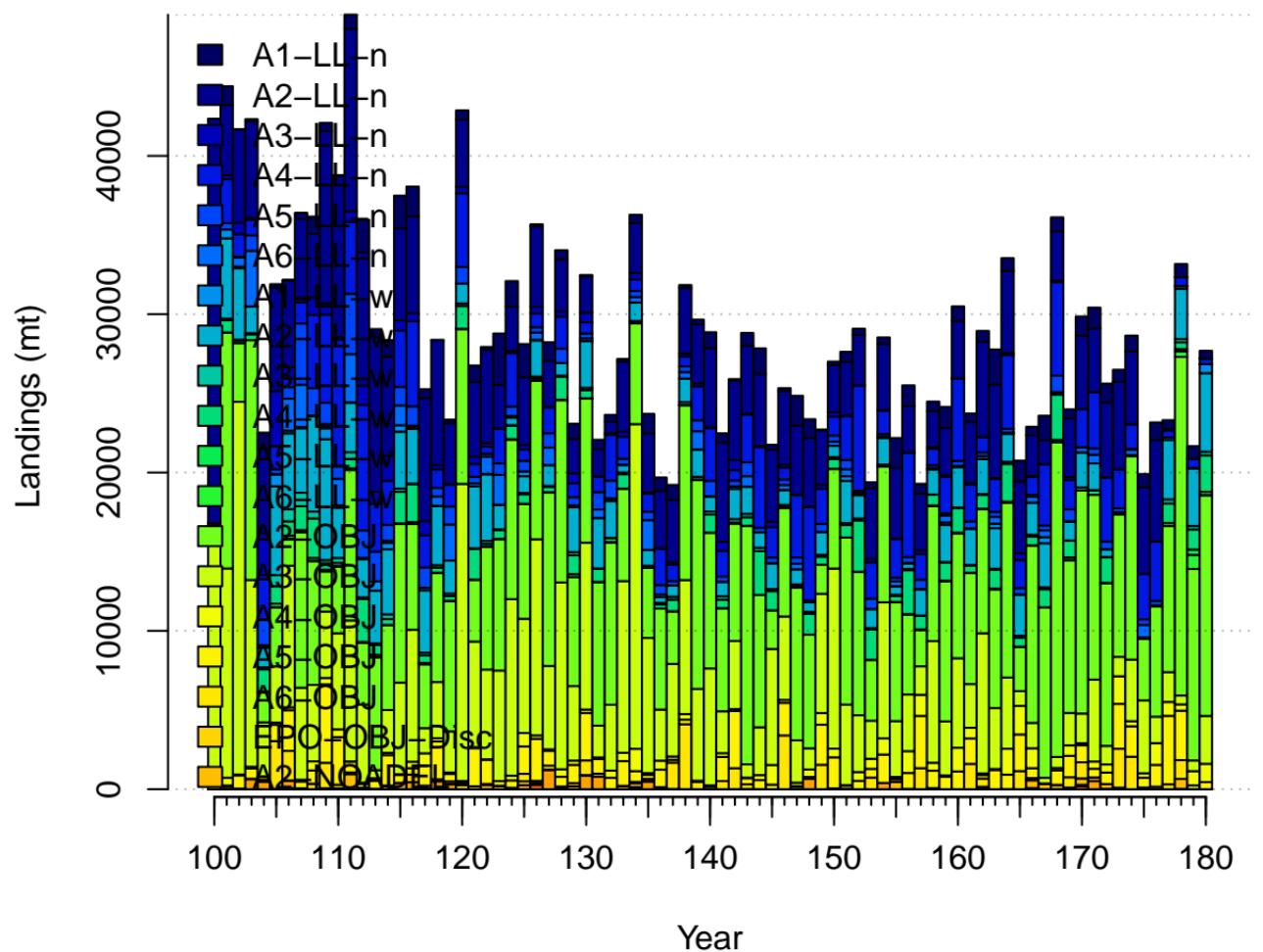


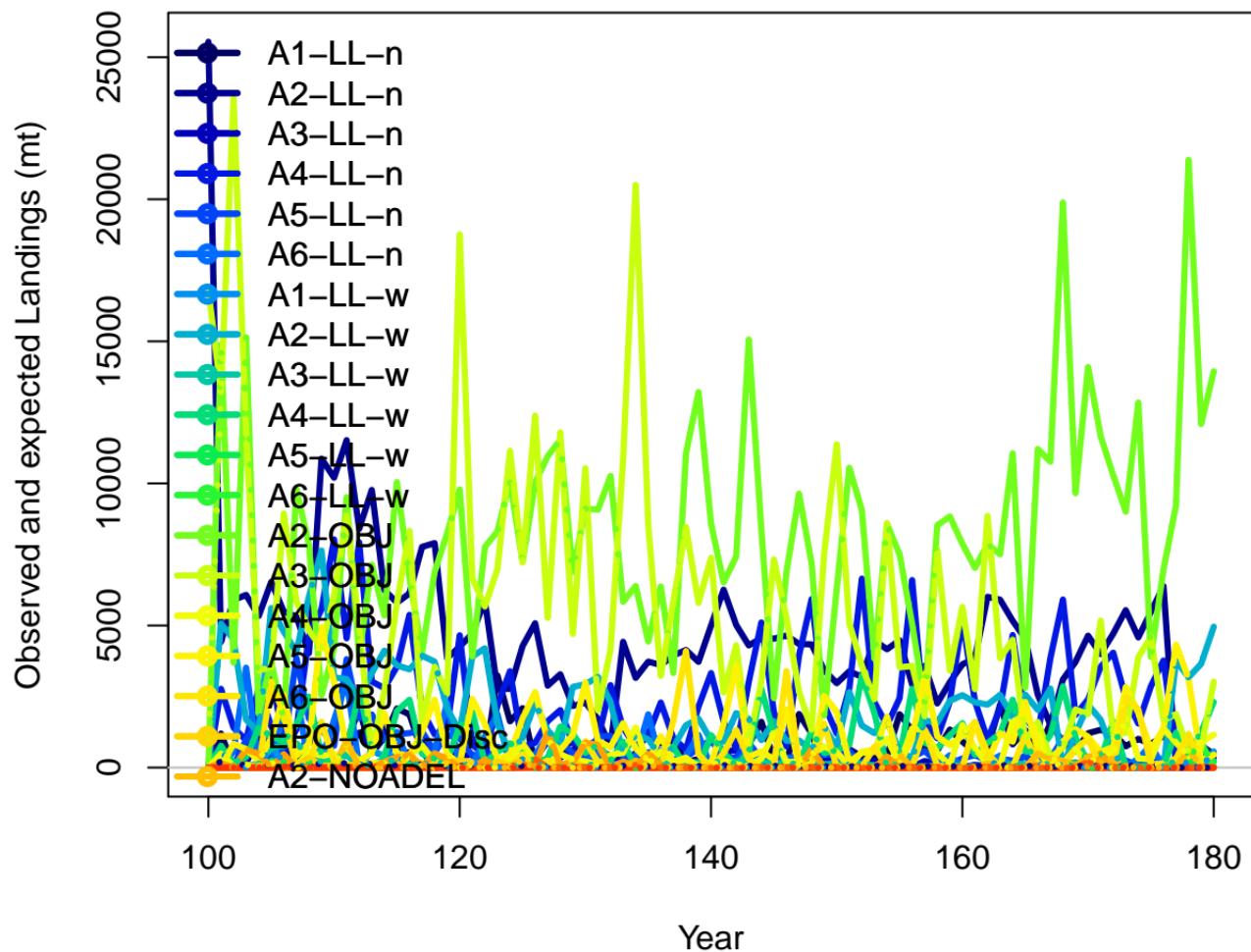




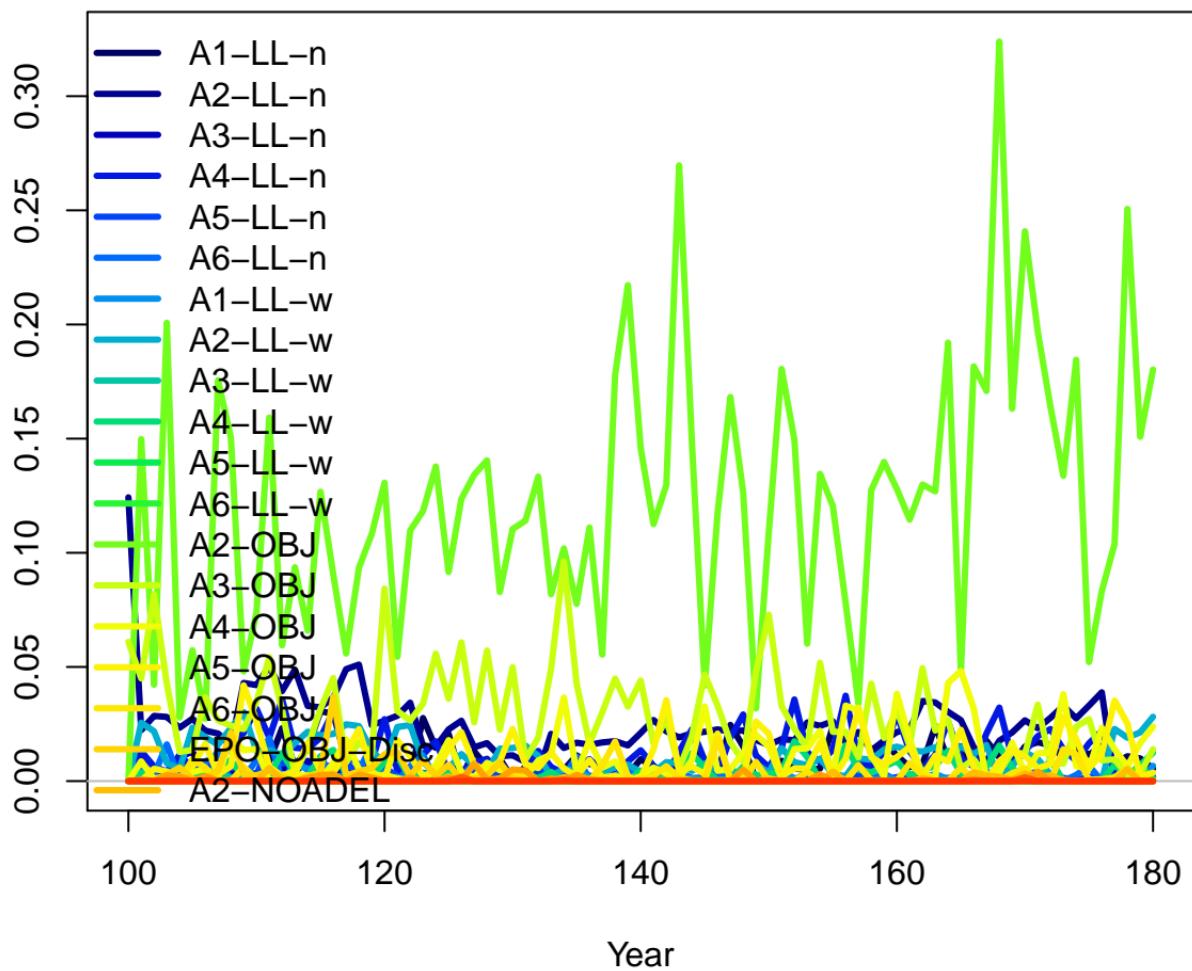


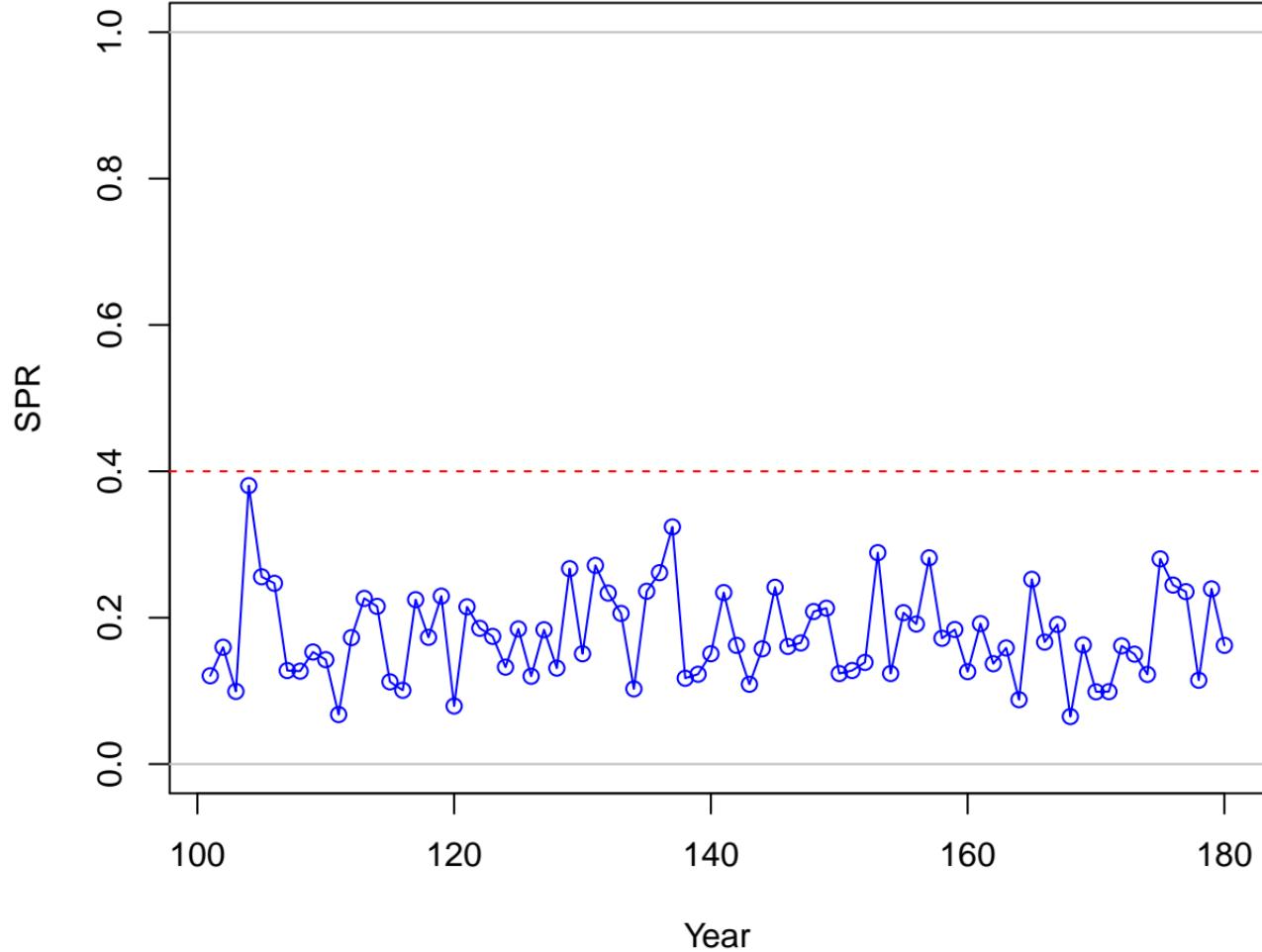




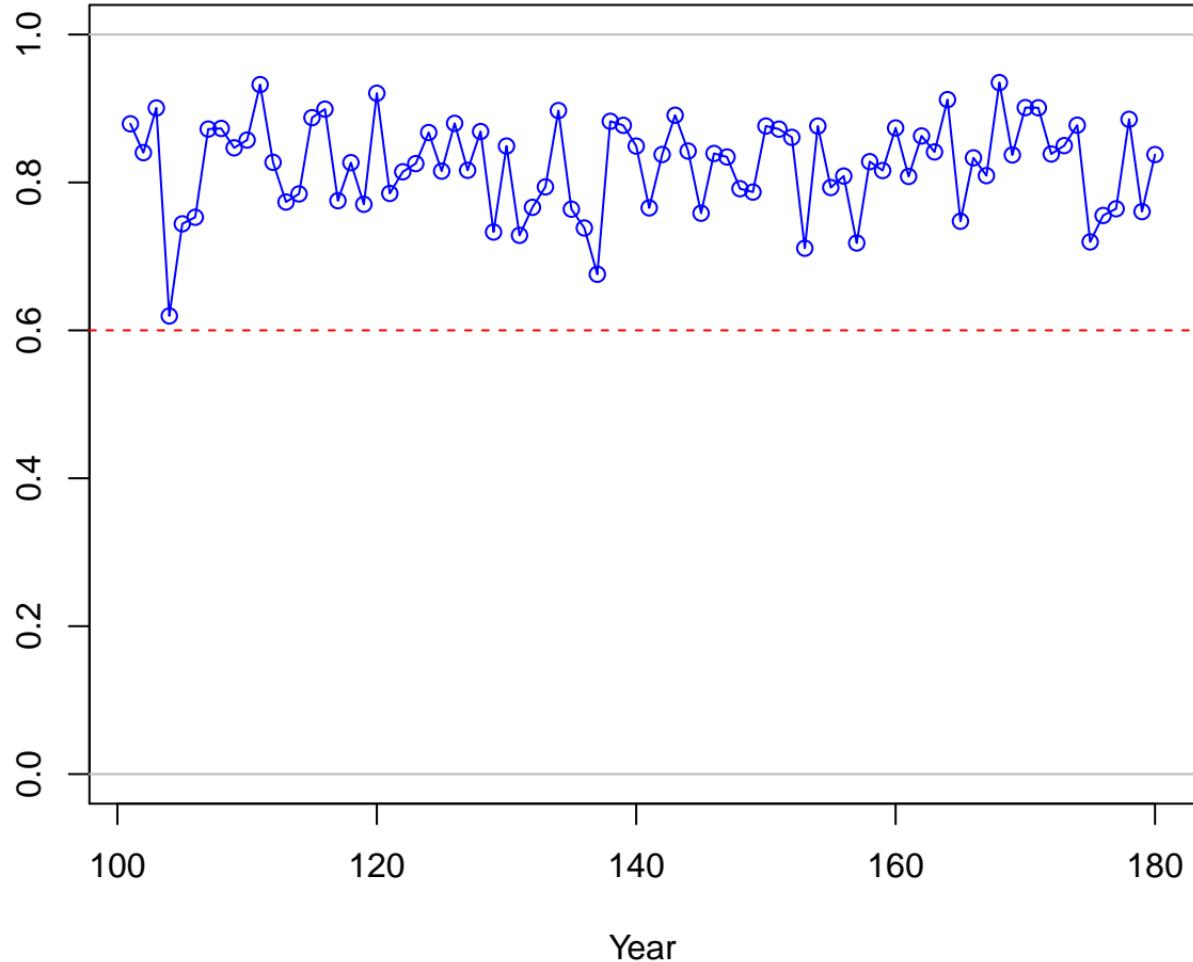


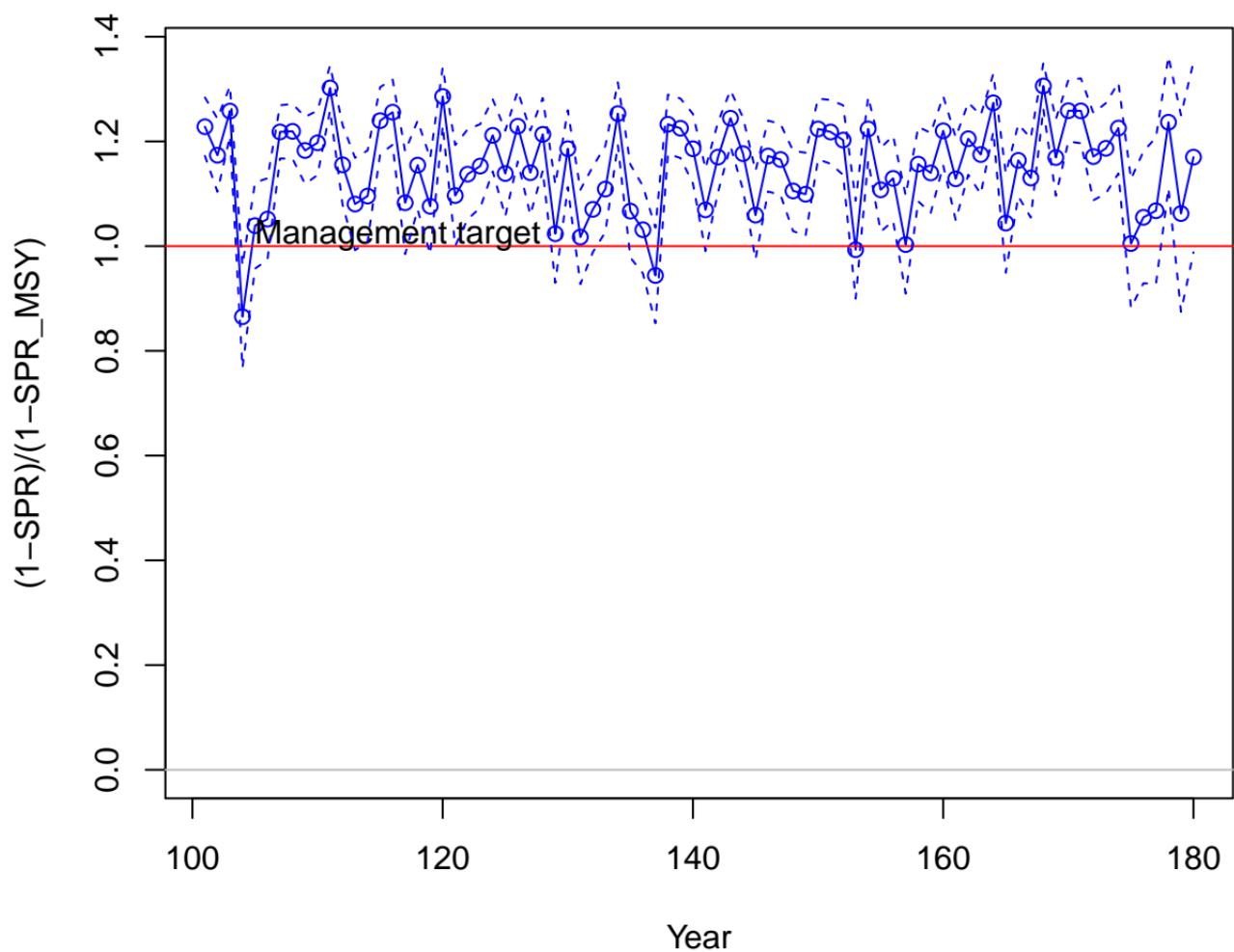
Continuous F

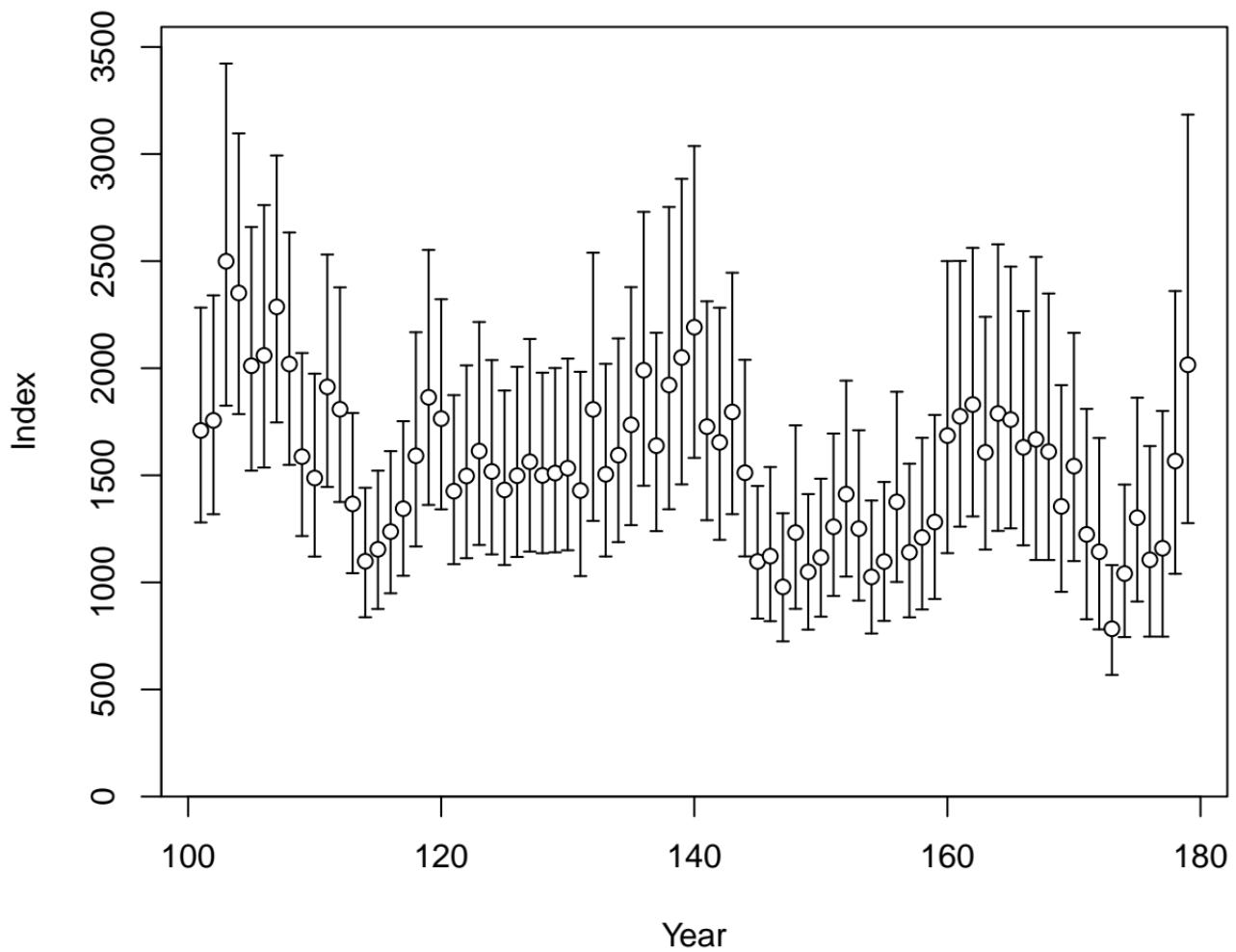


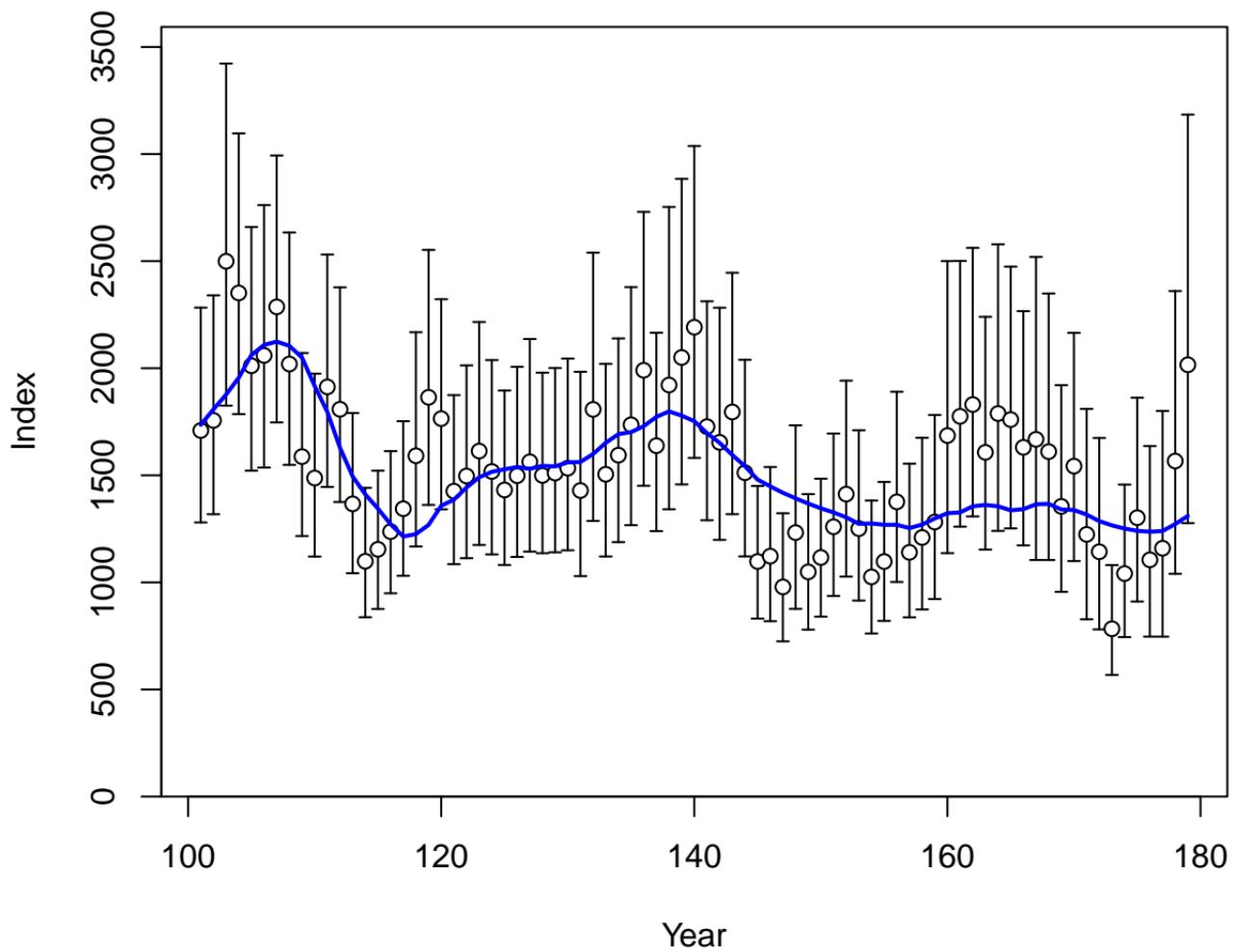


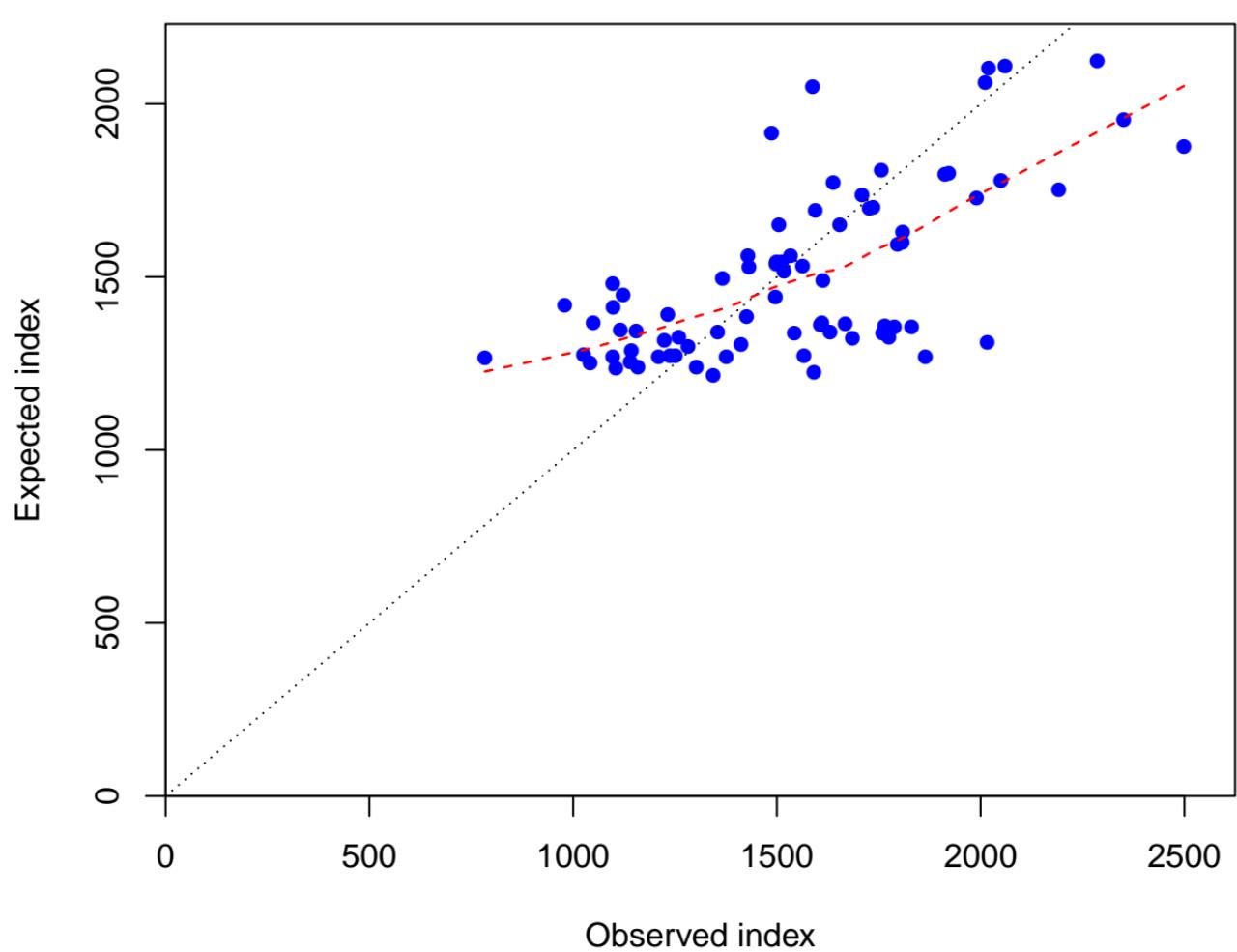
1-SPR

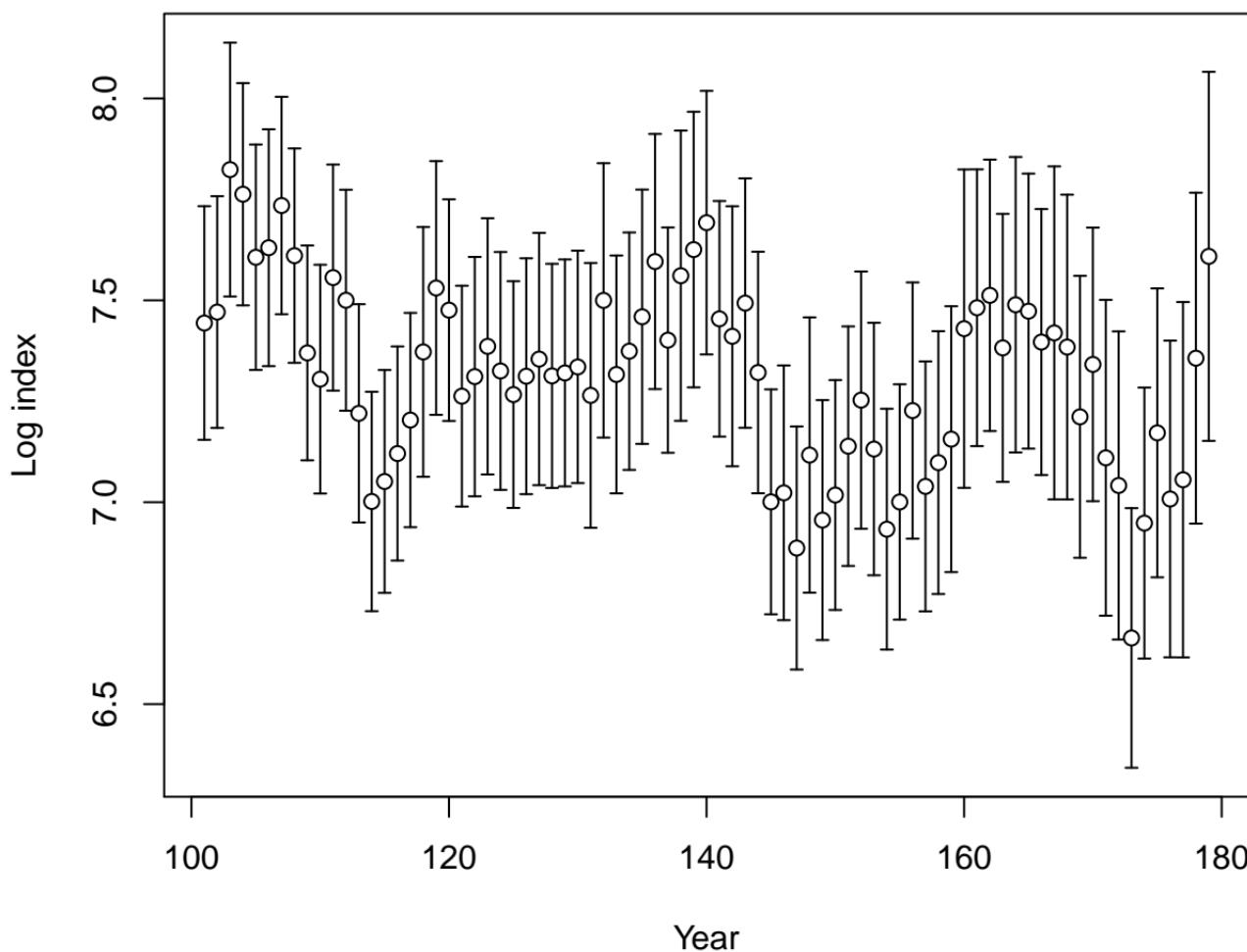


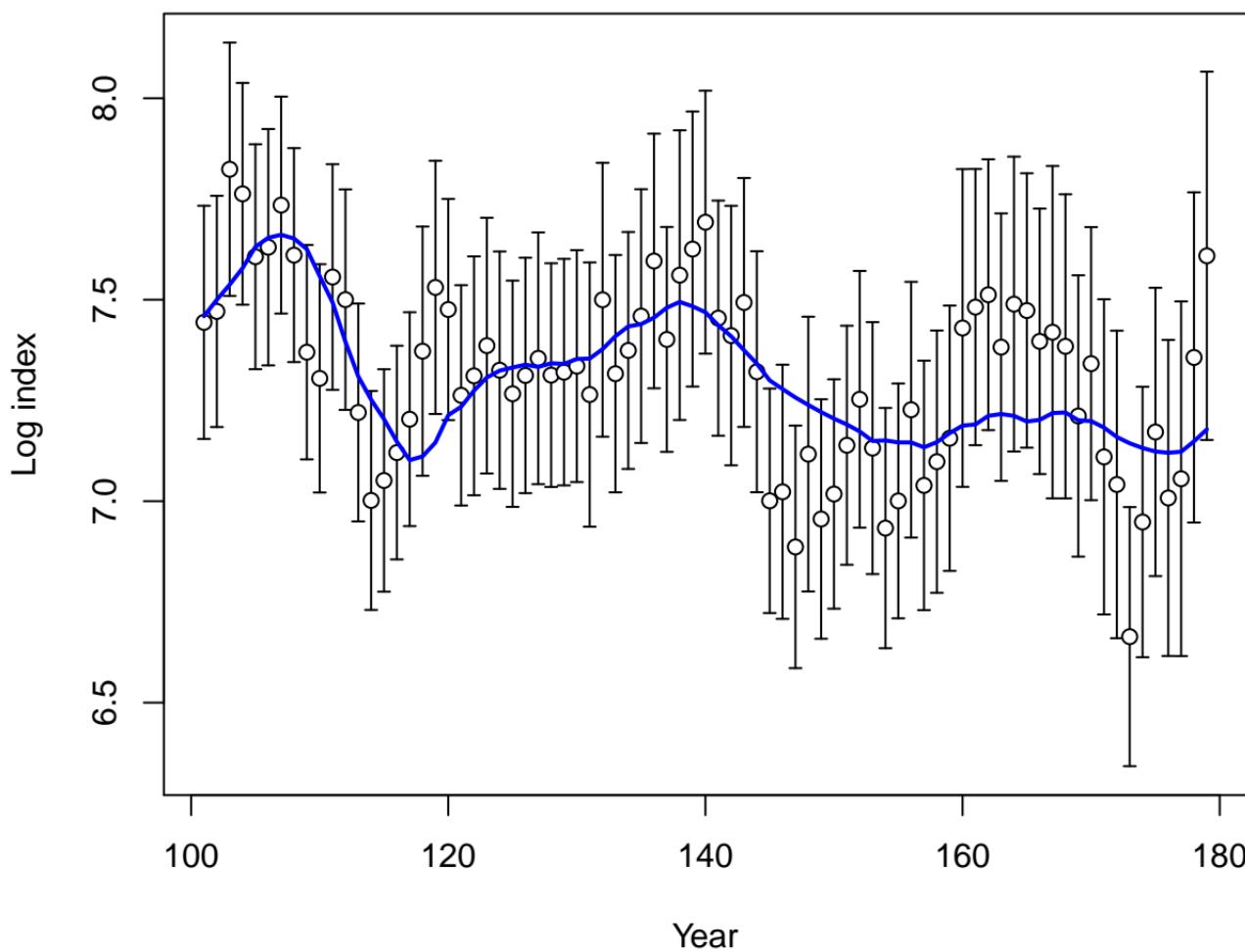










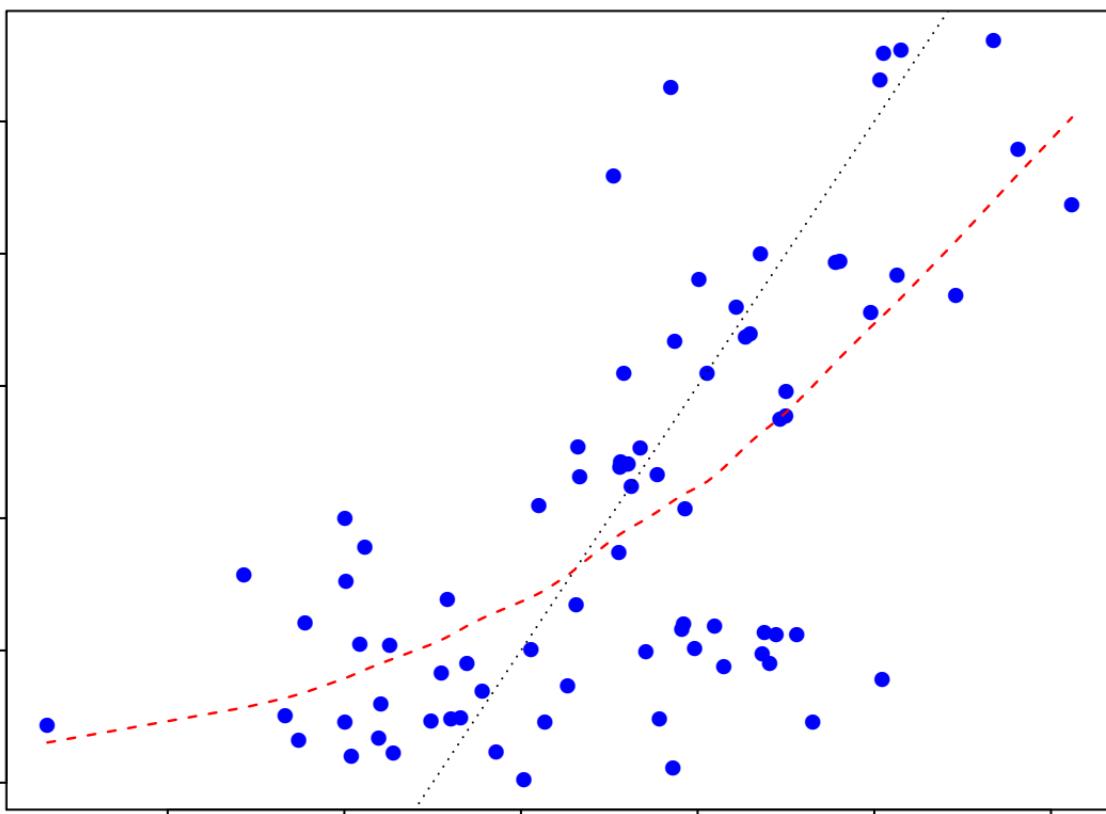


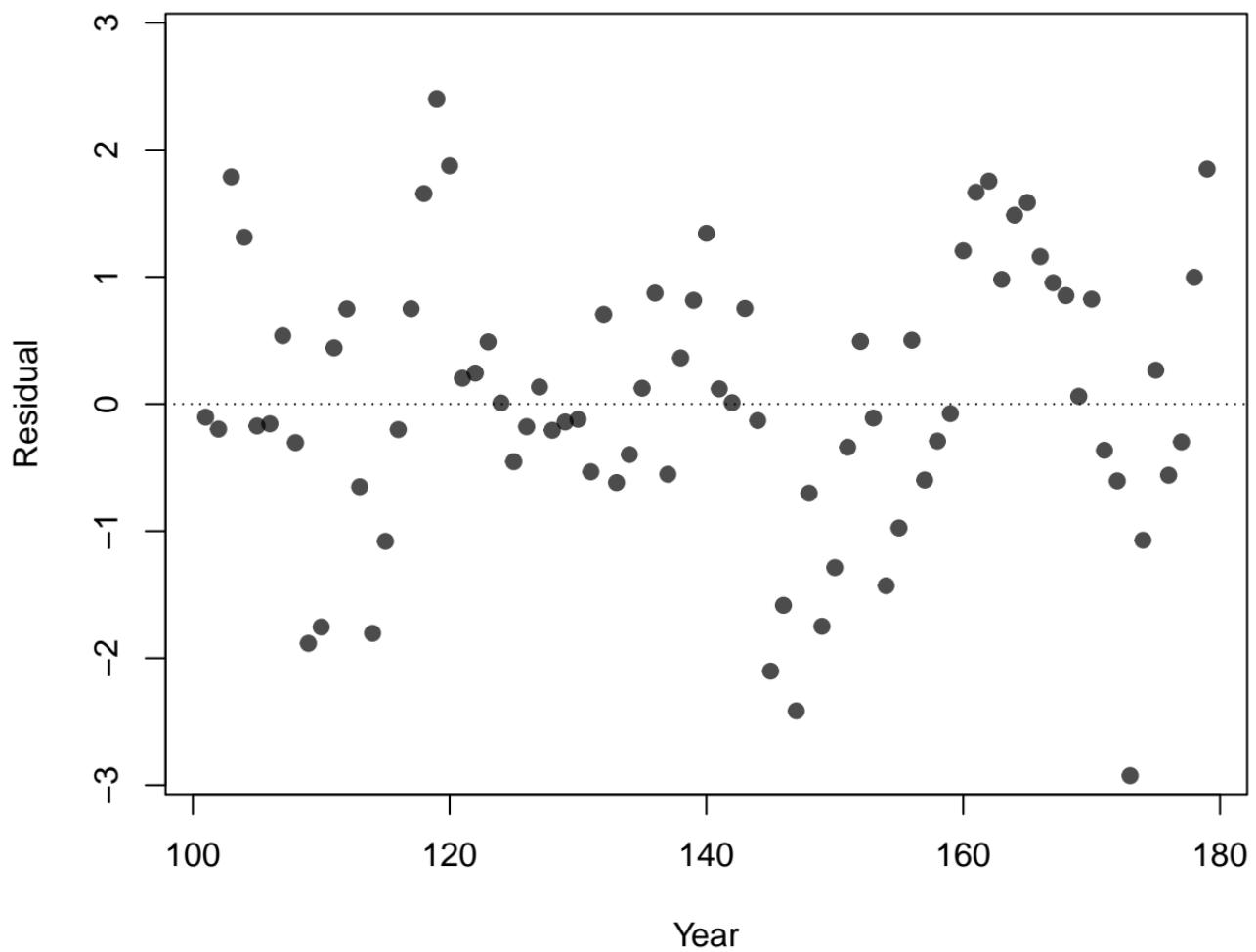
Log expected index

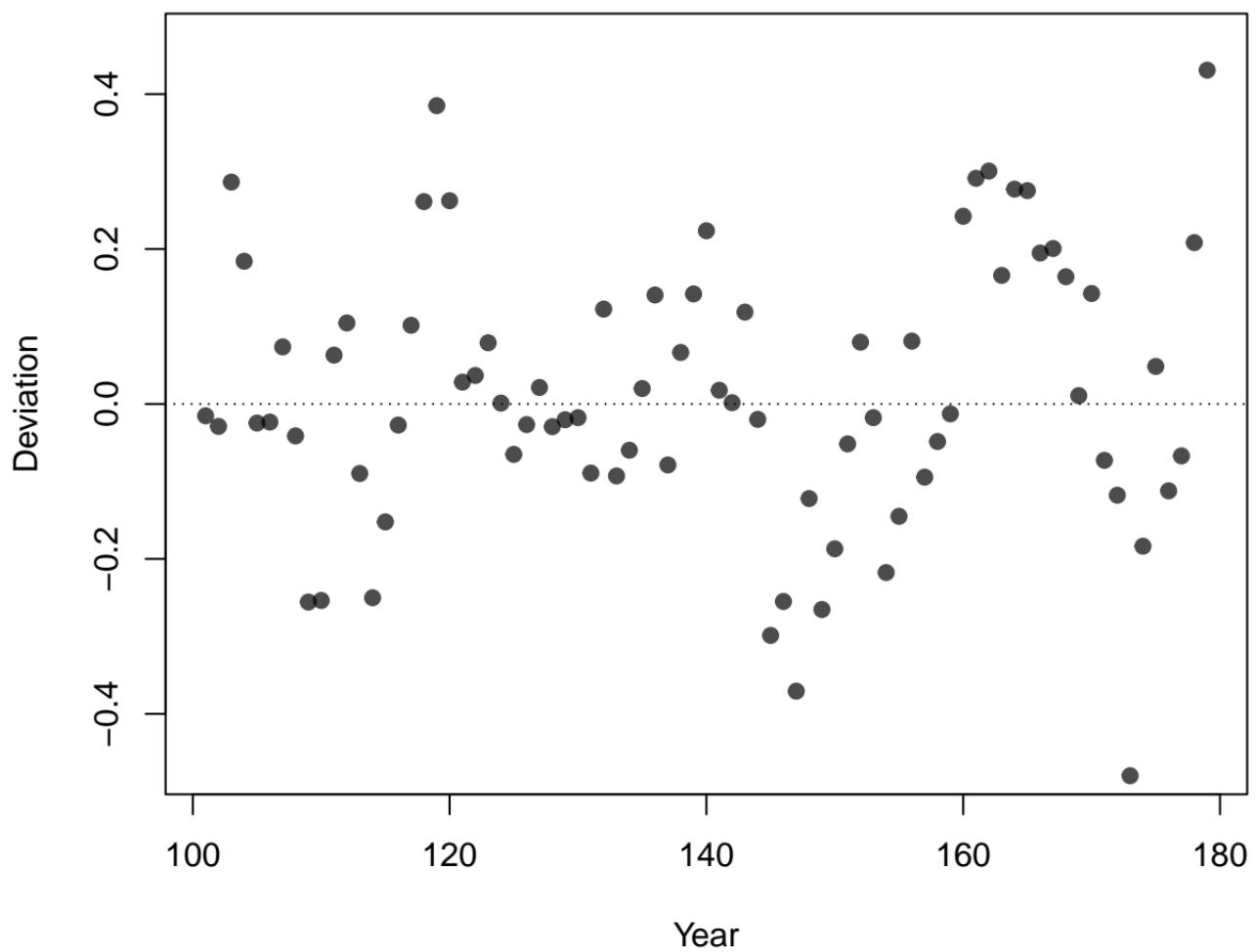
7.6  
7.5  
7.4  
7.3  
7.2  
7.1

6.8 7.0 7.2 7.4 7.6 7.8

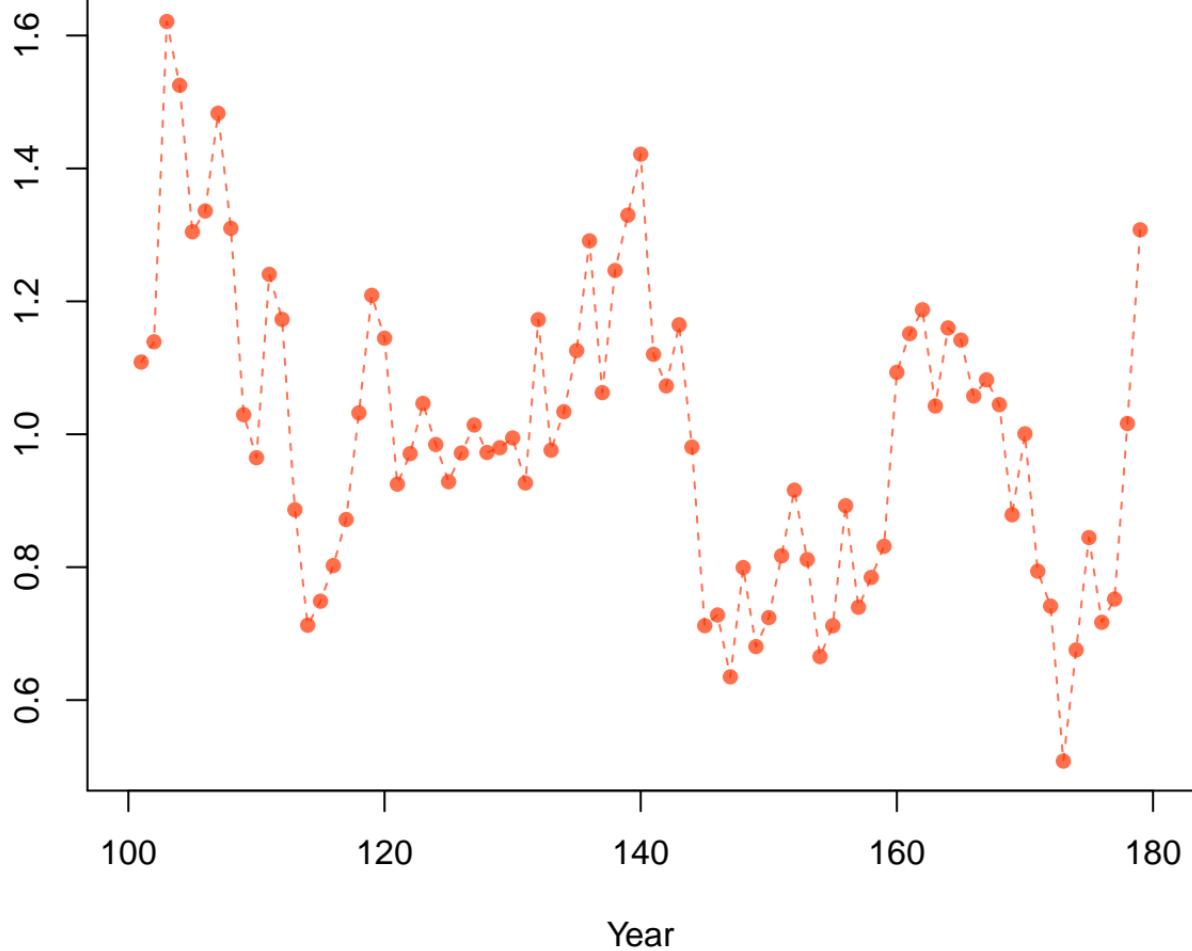
Log observed index

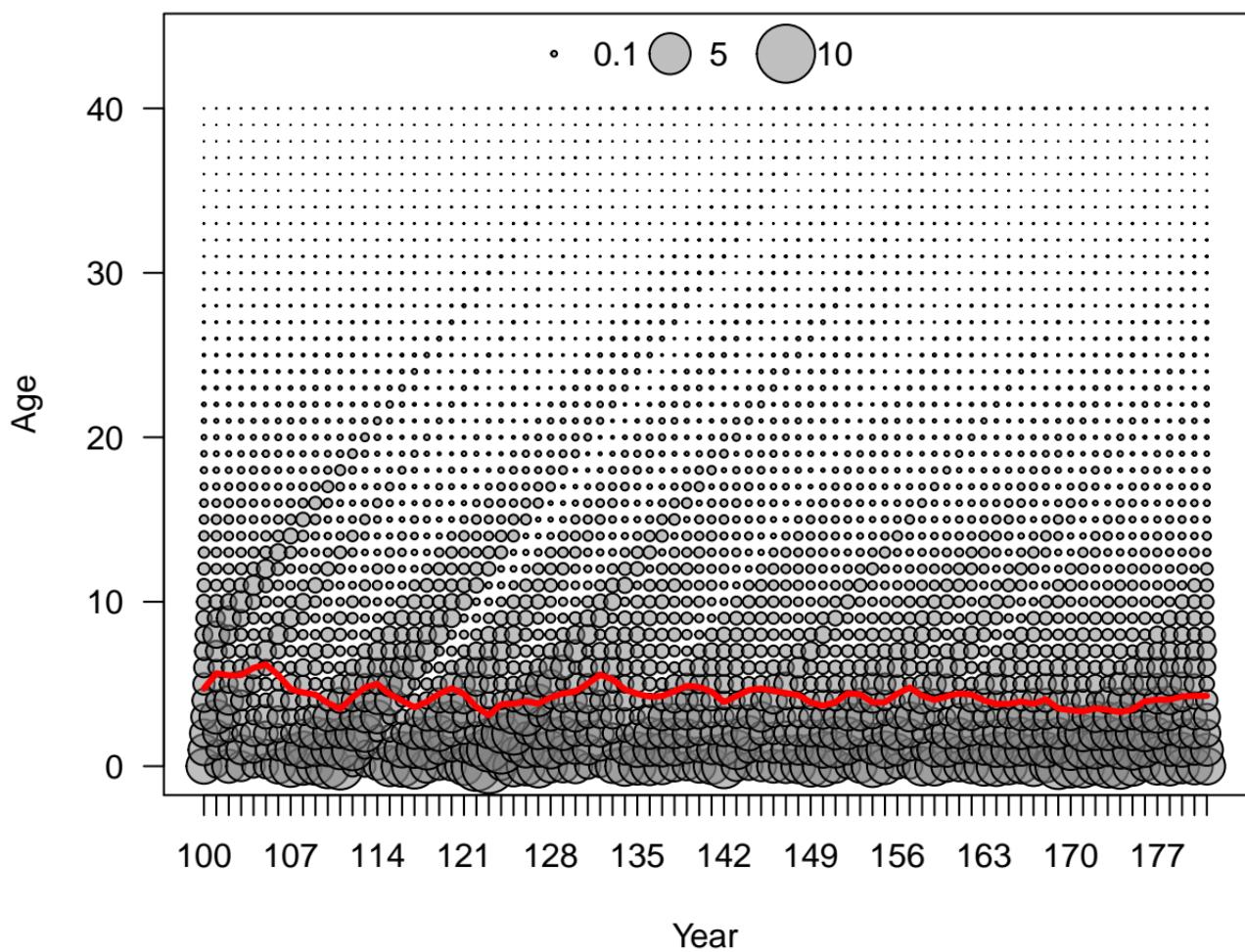


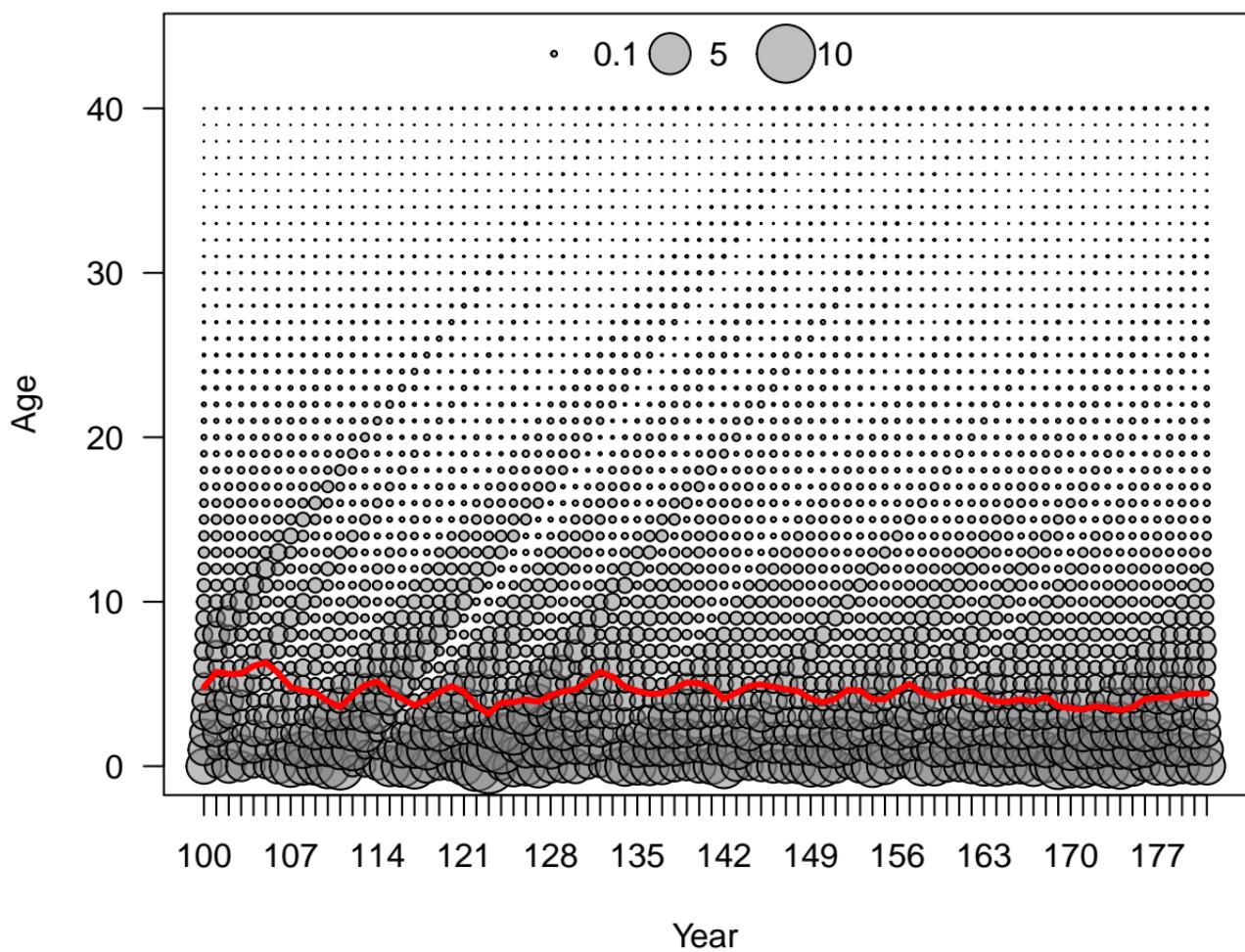


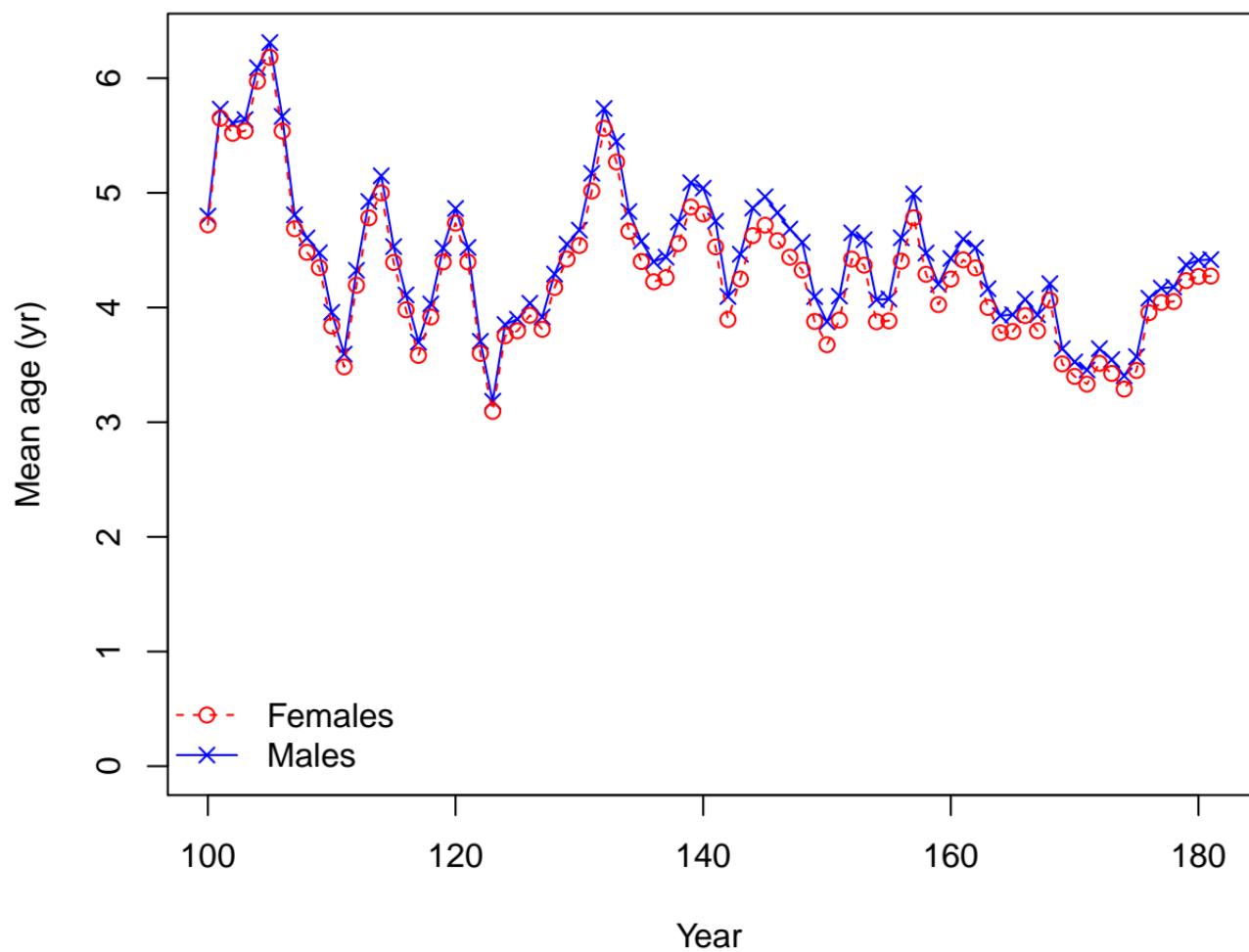


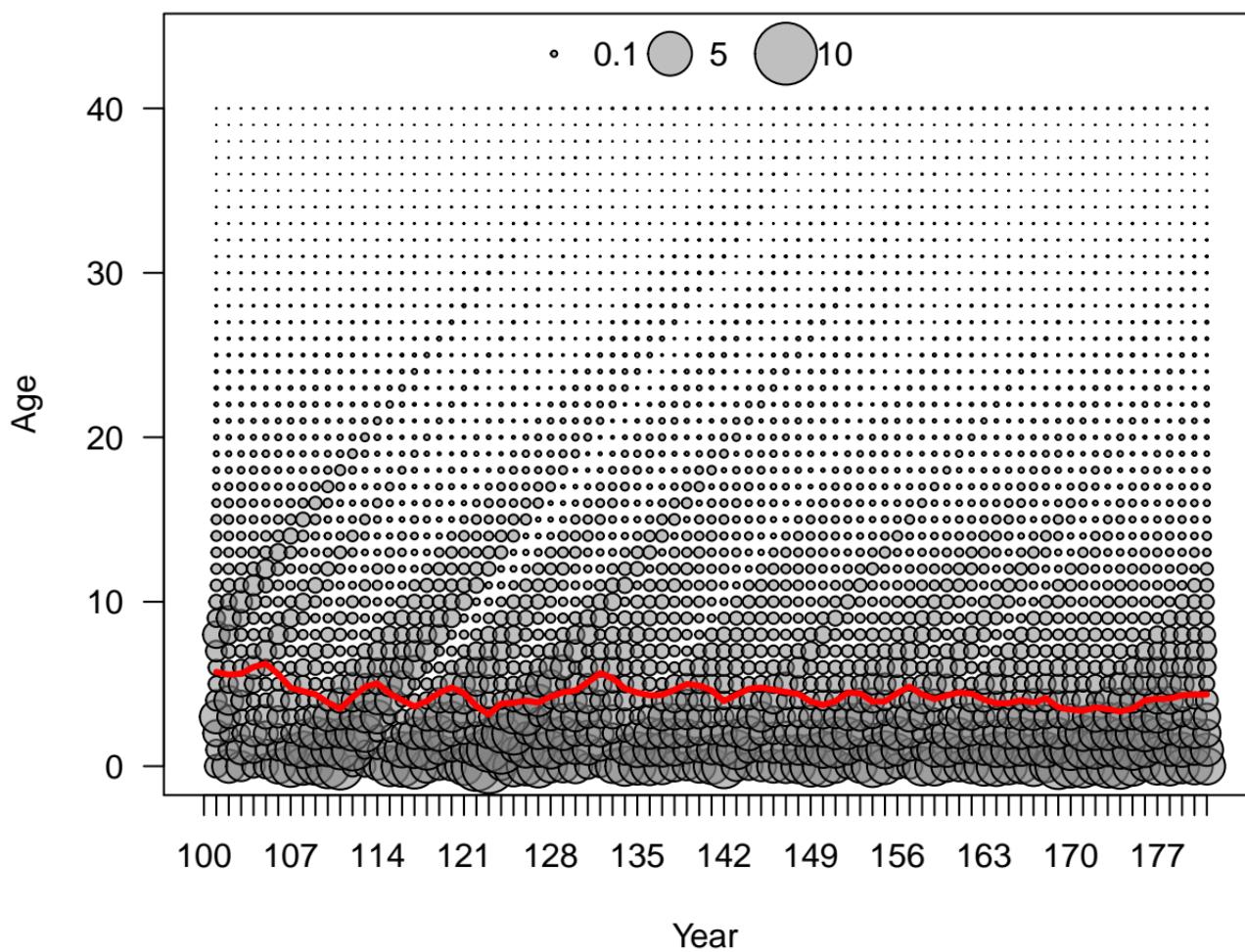
Standardized index

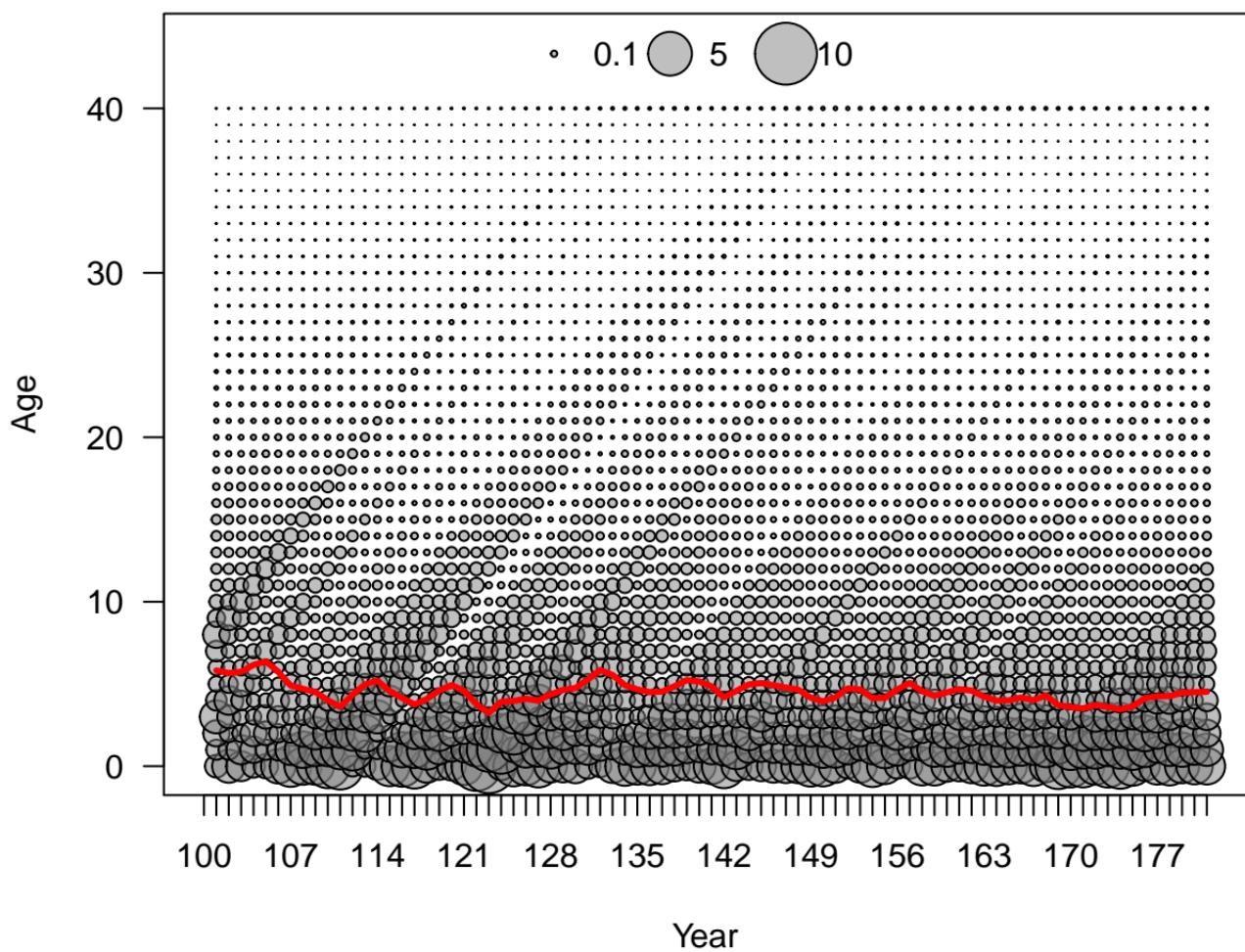


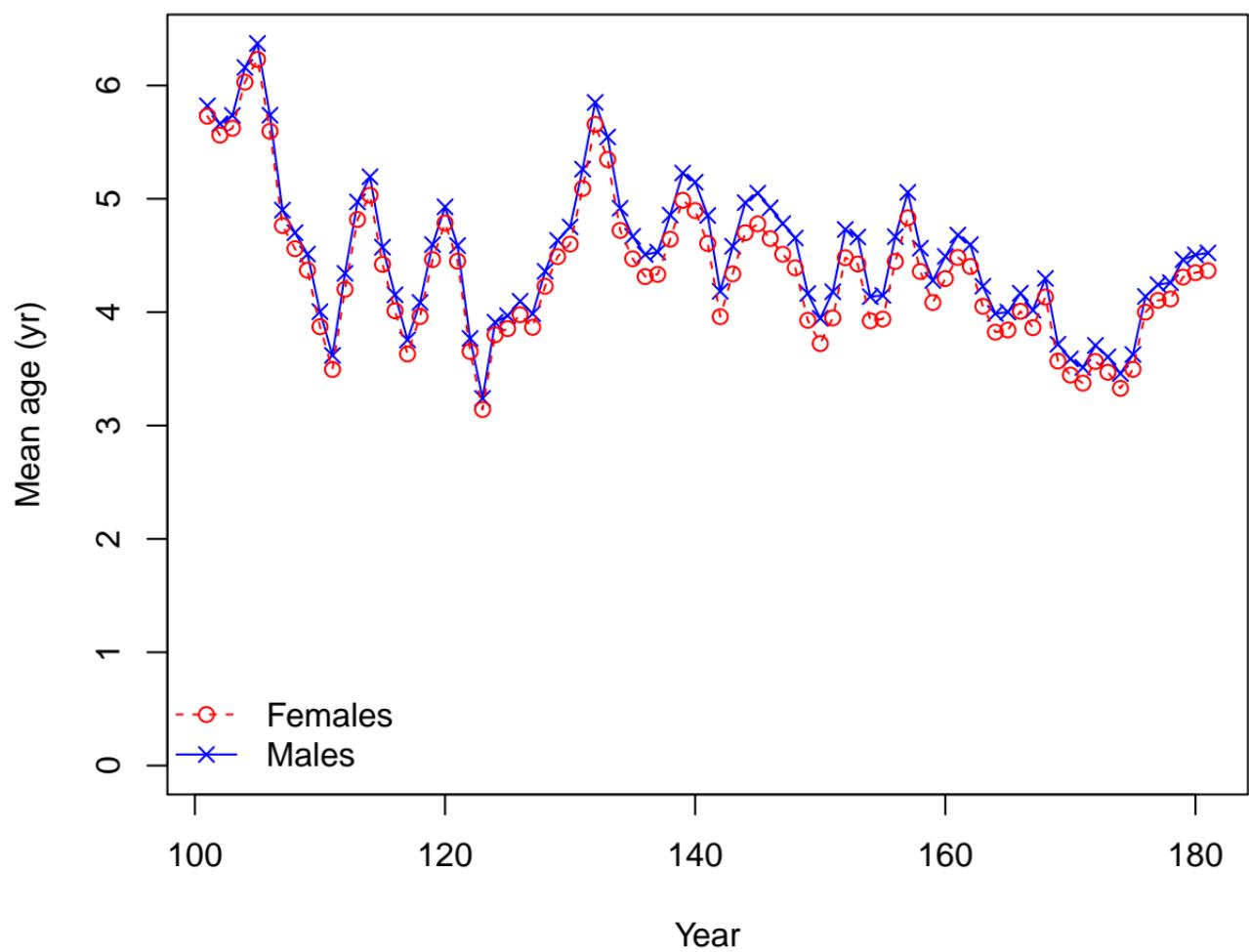


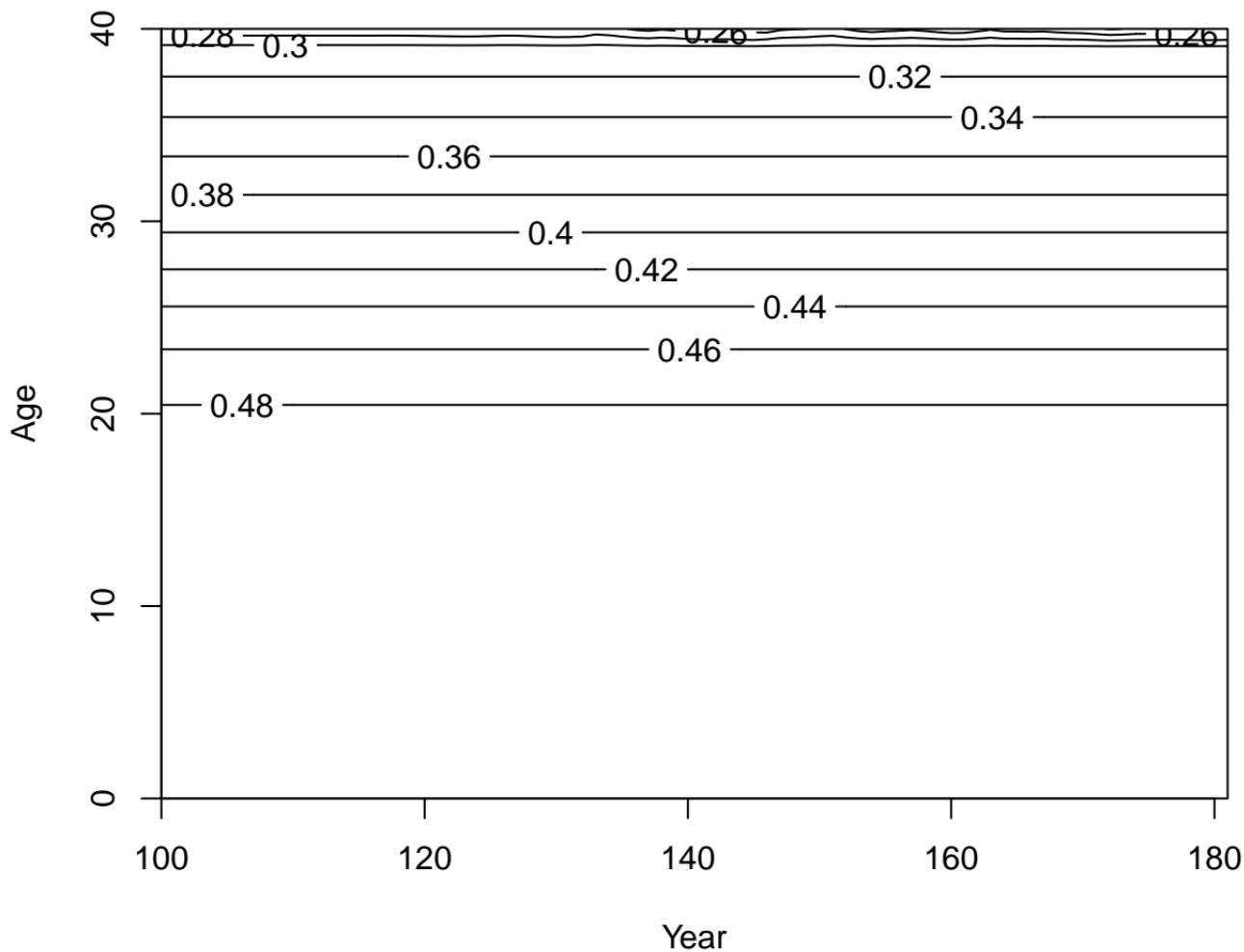


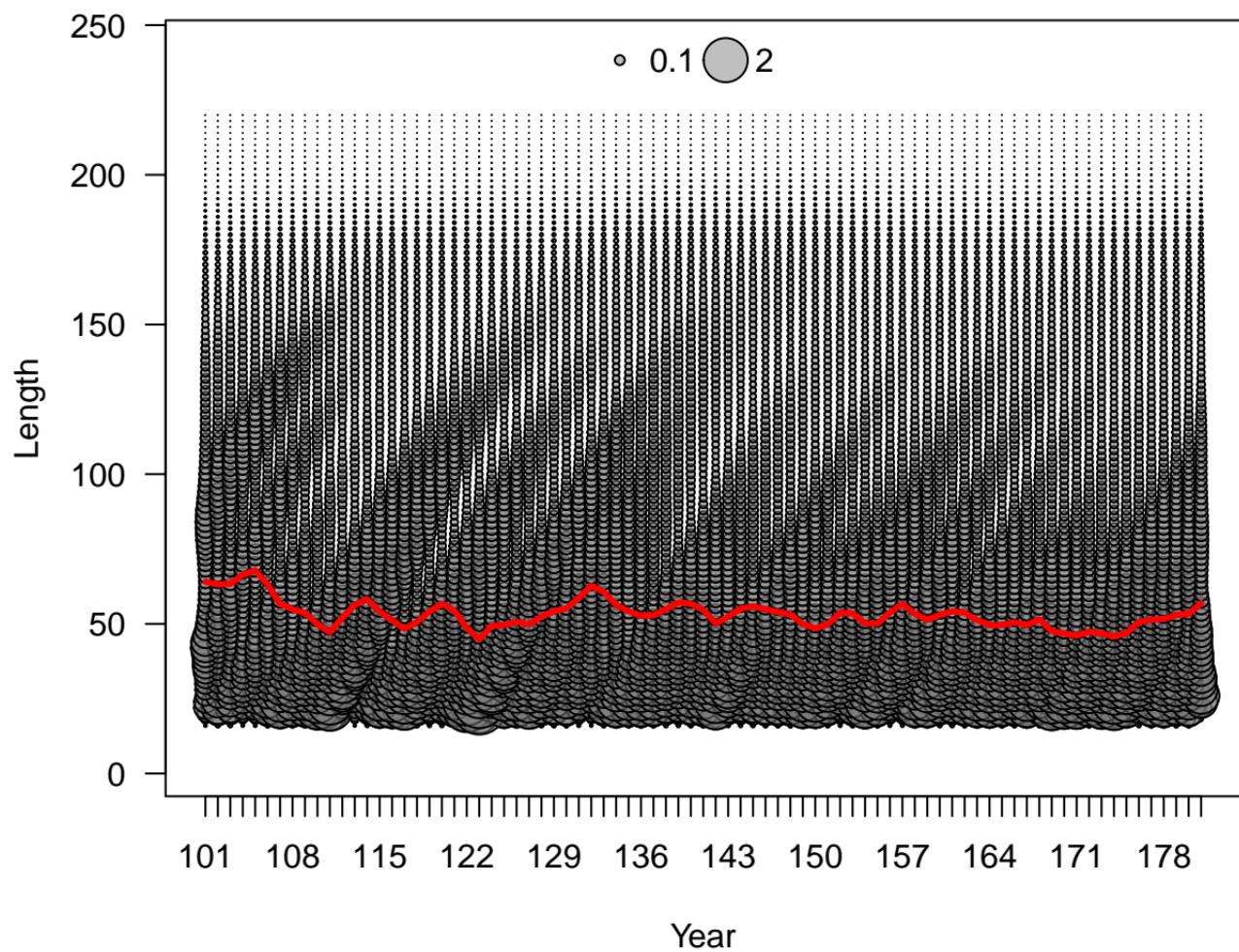


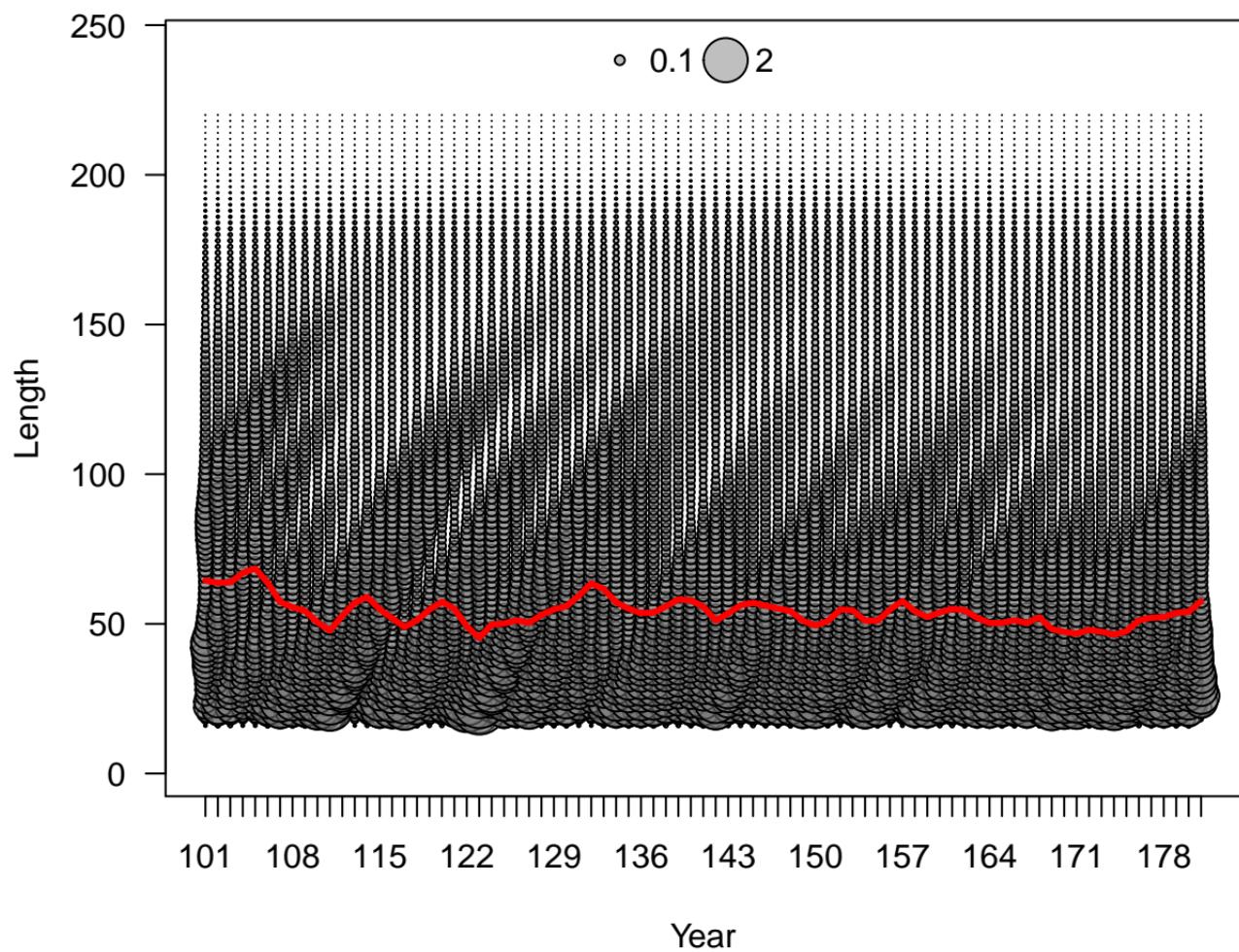


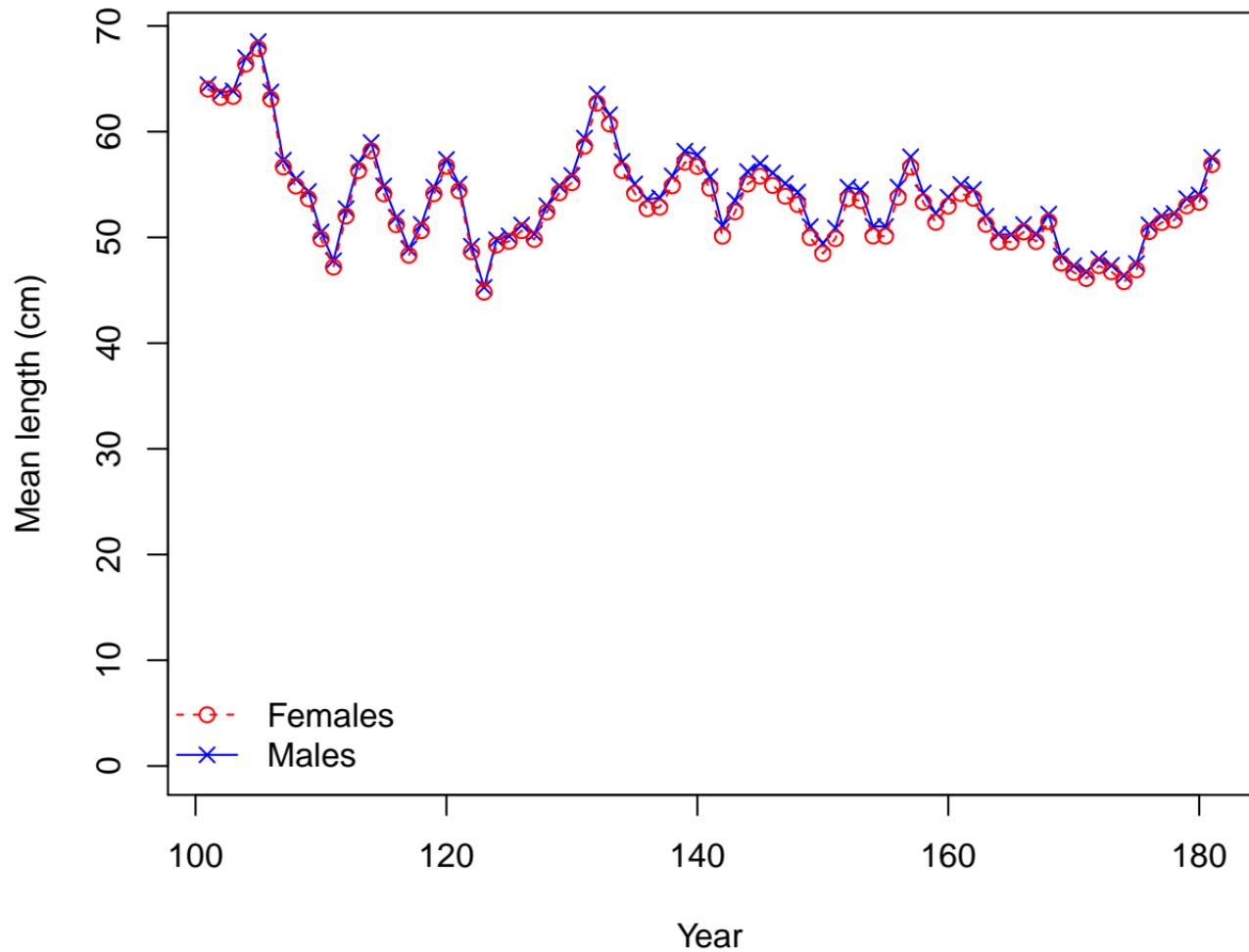


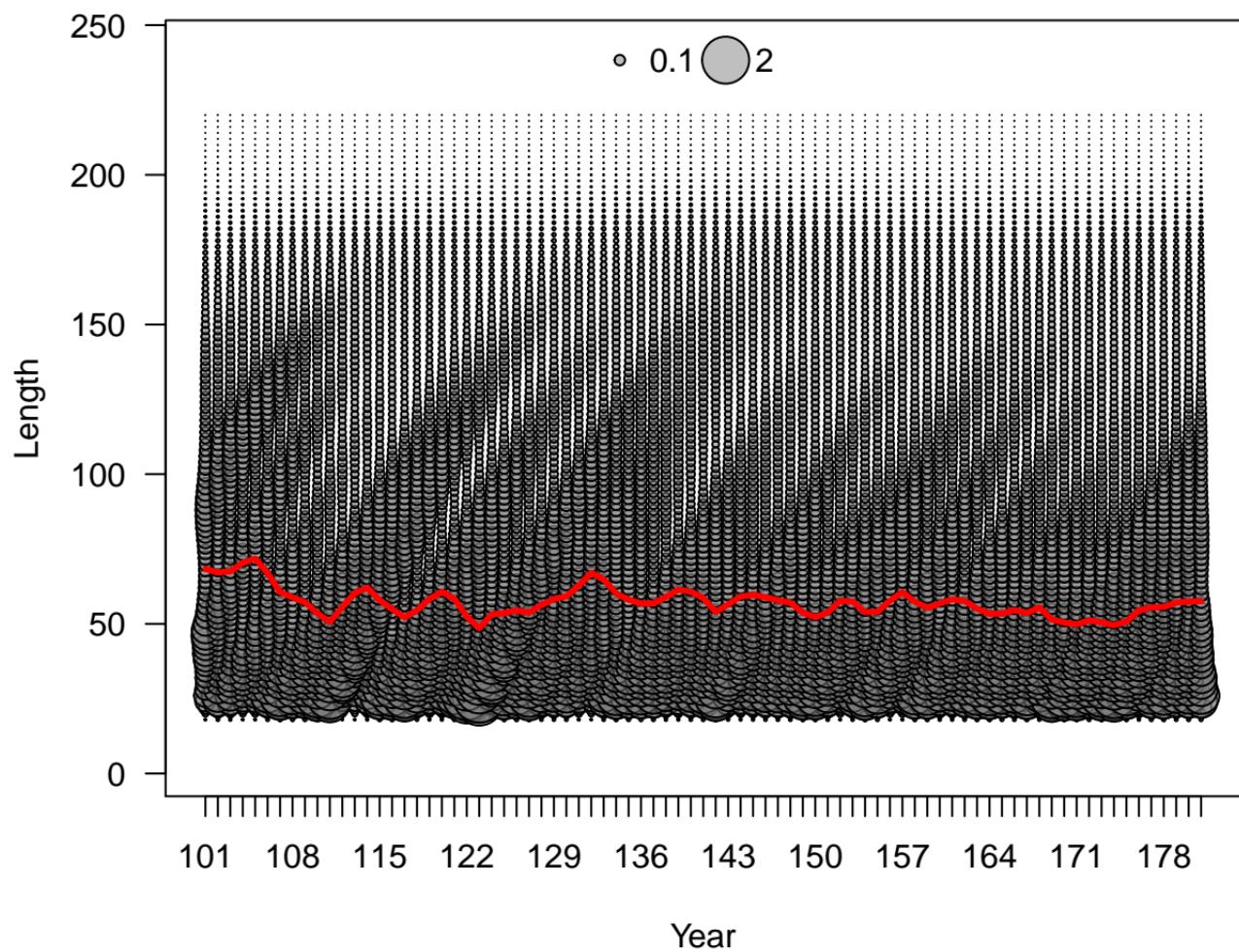


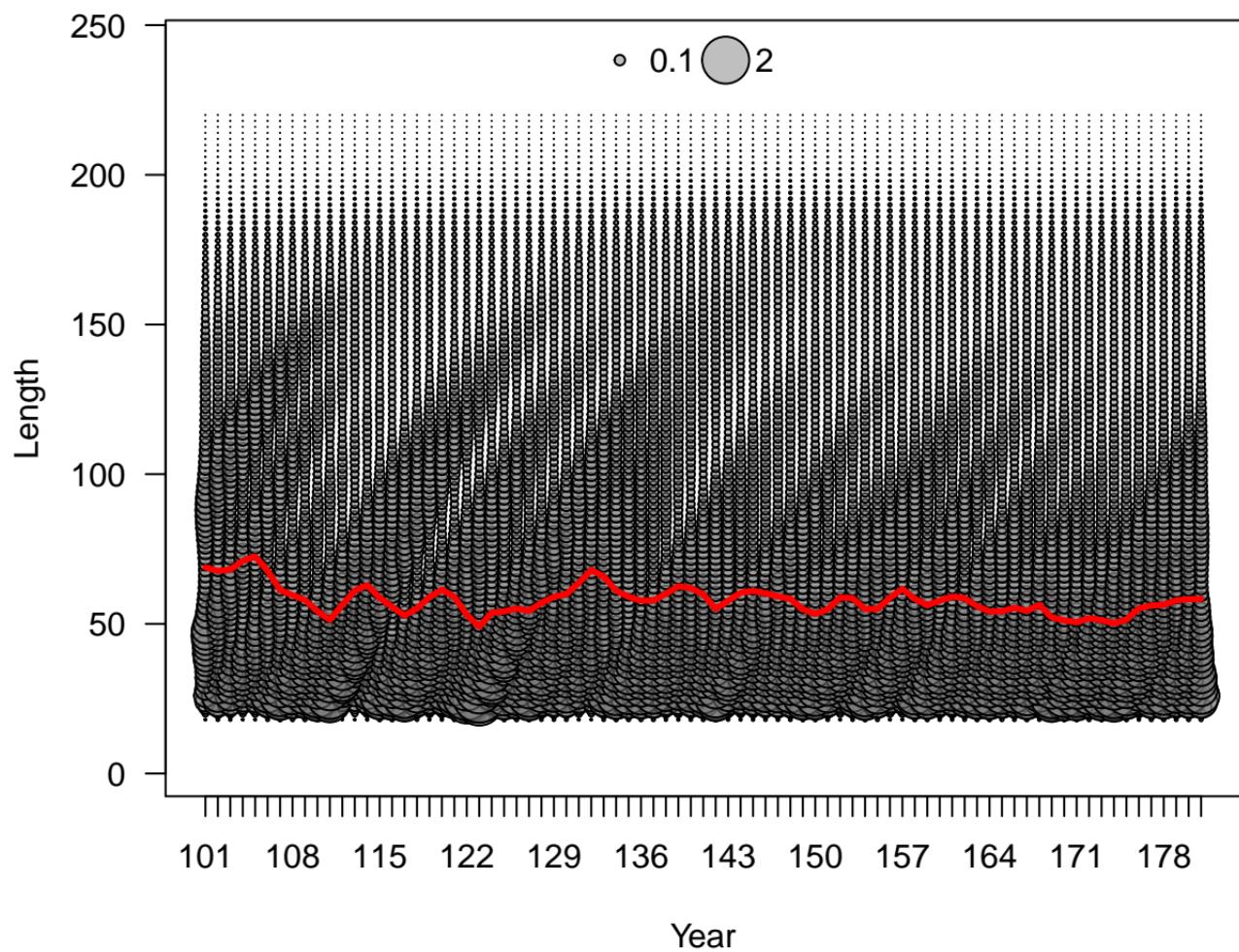


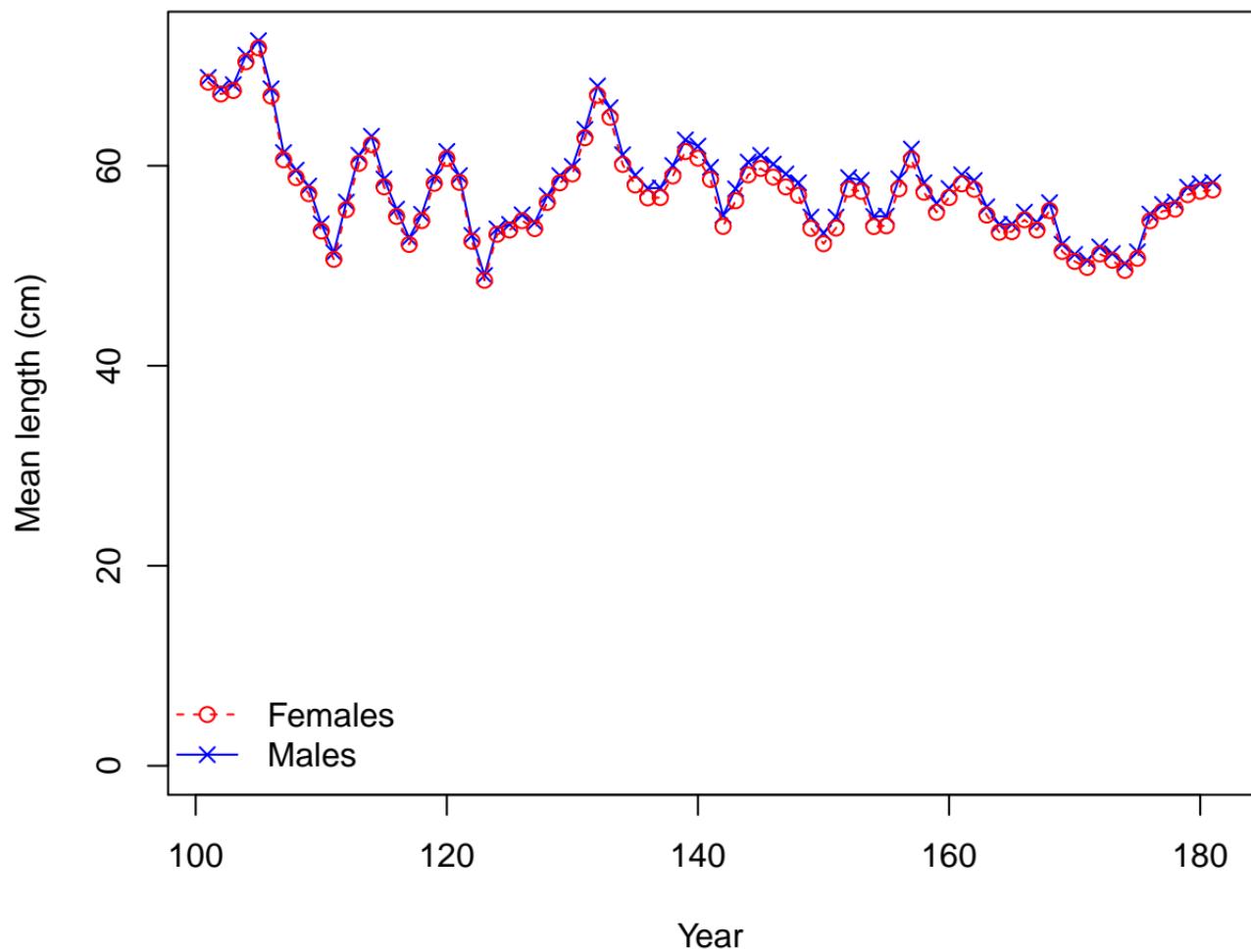


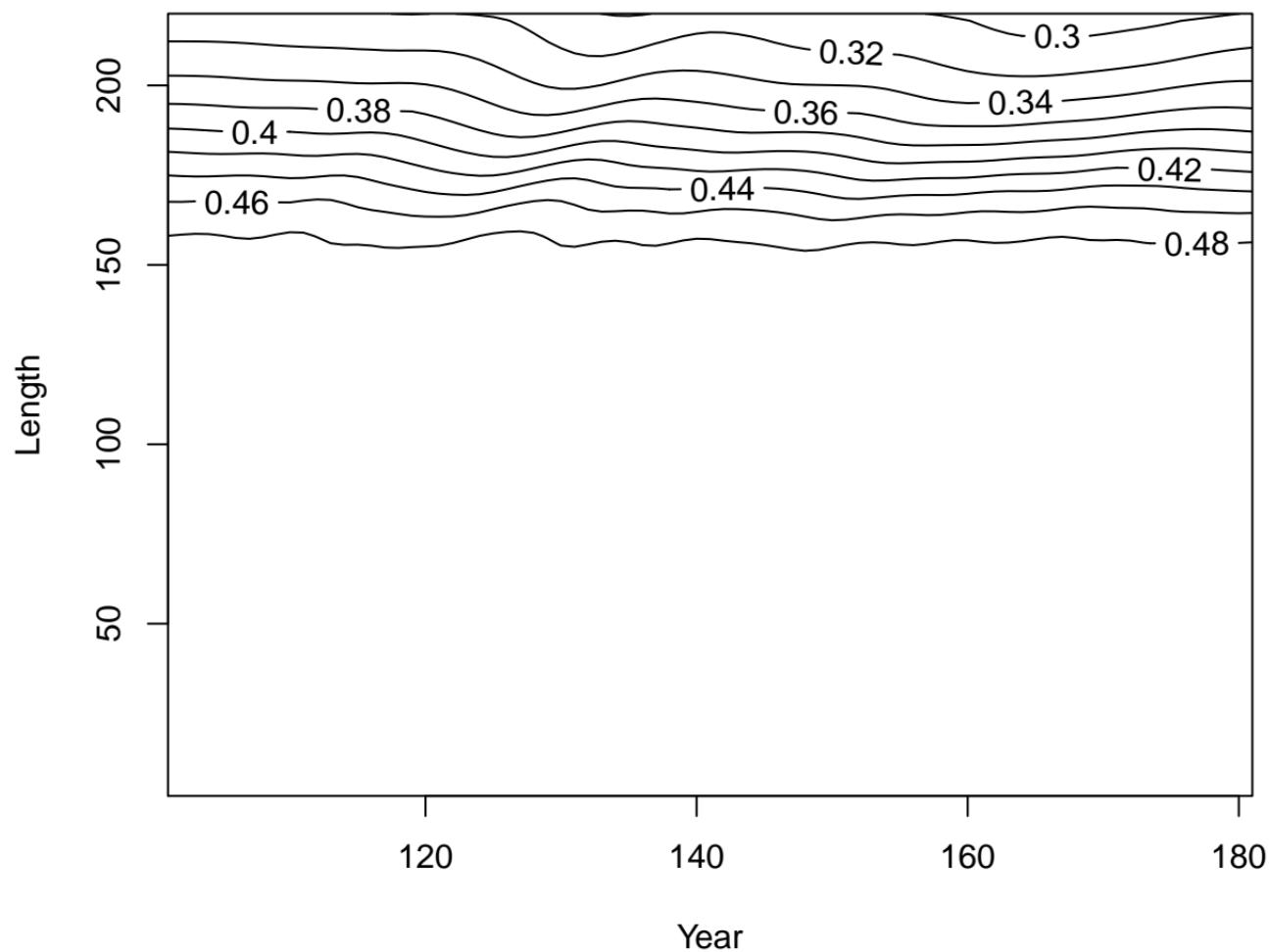




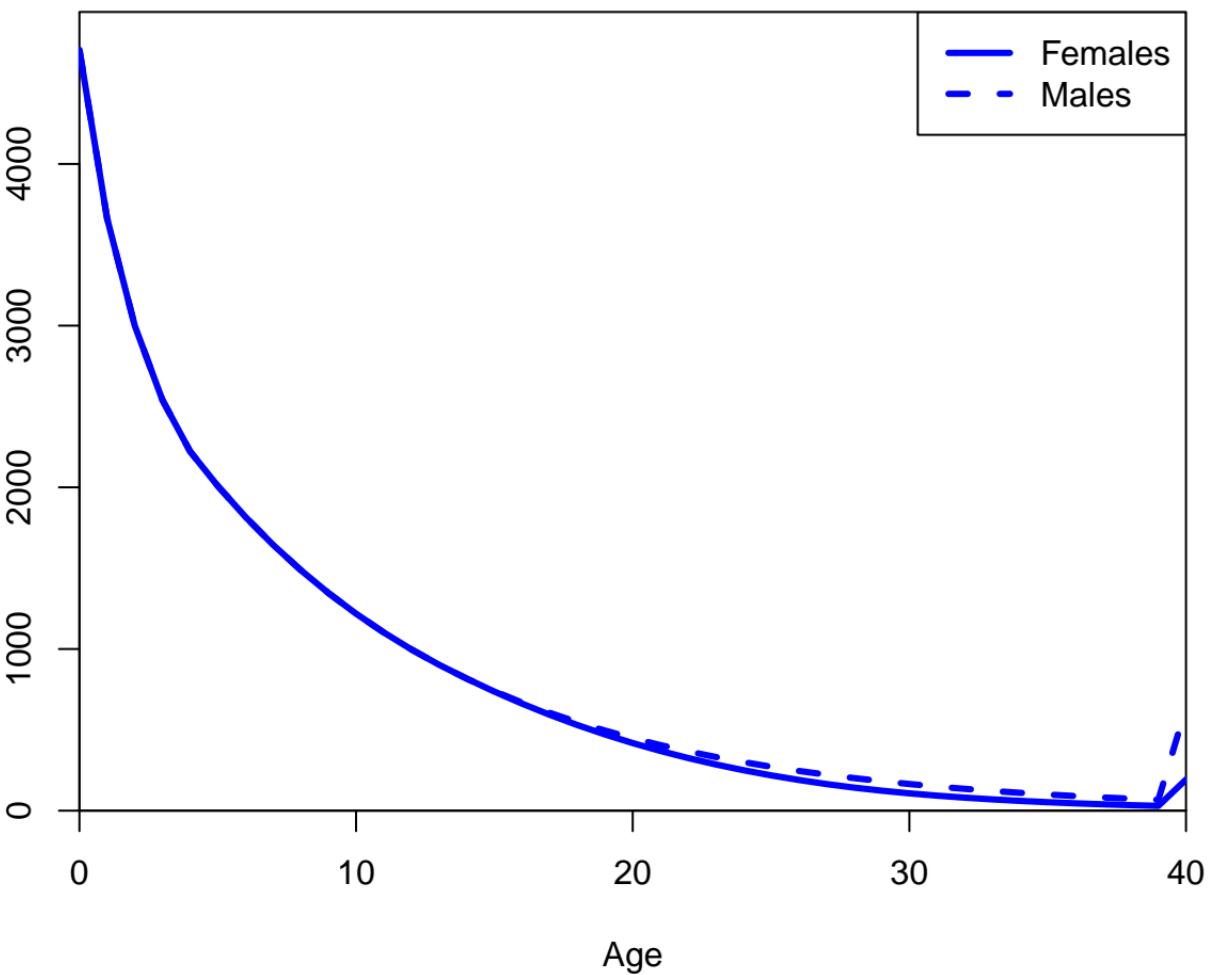


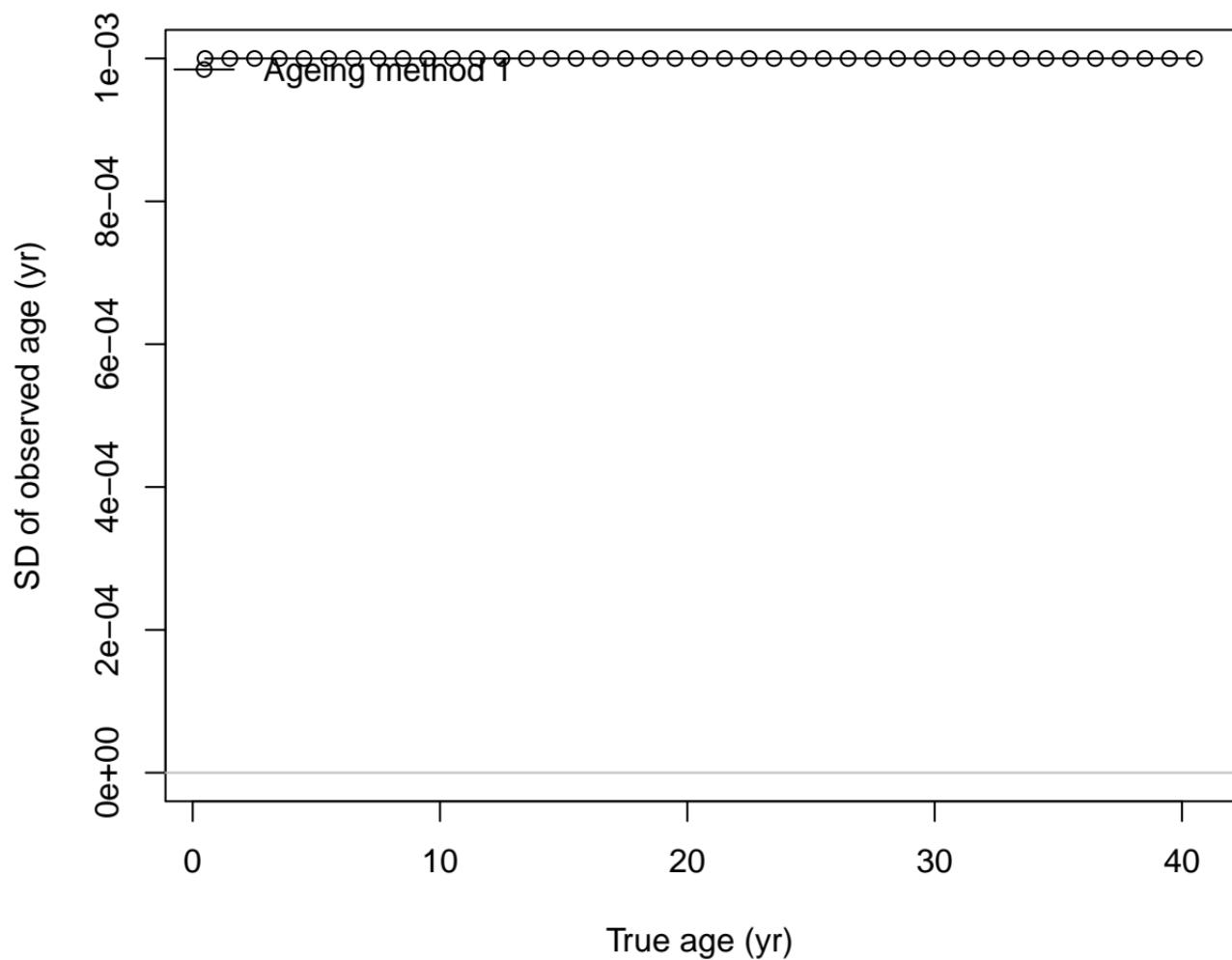




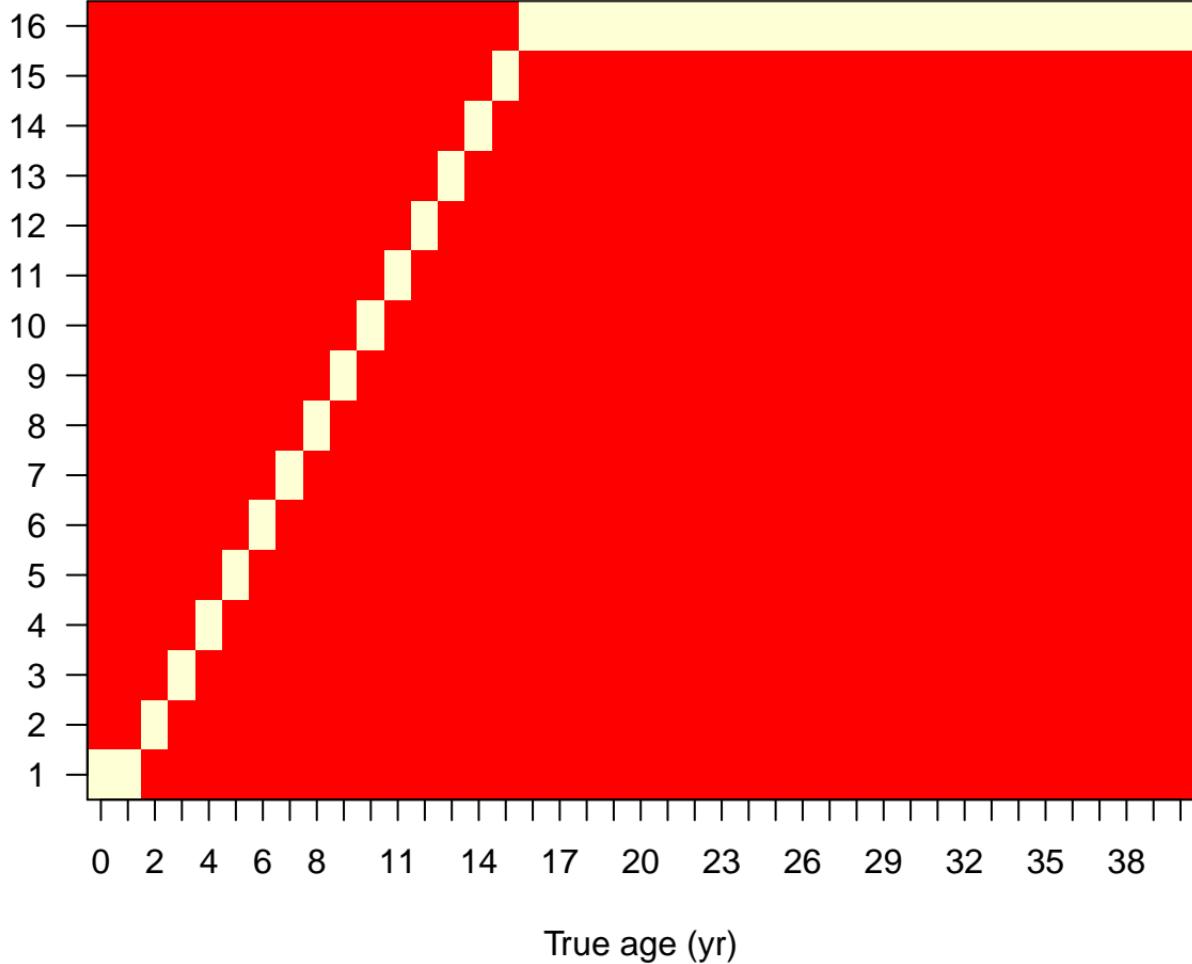


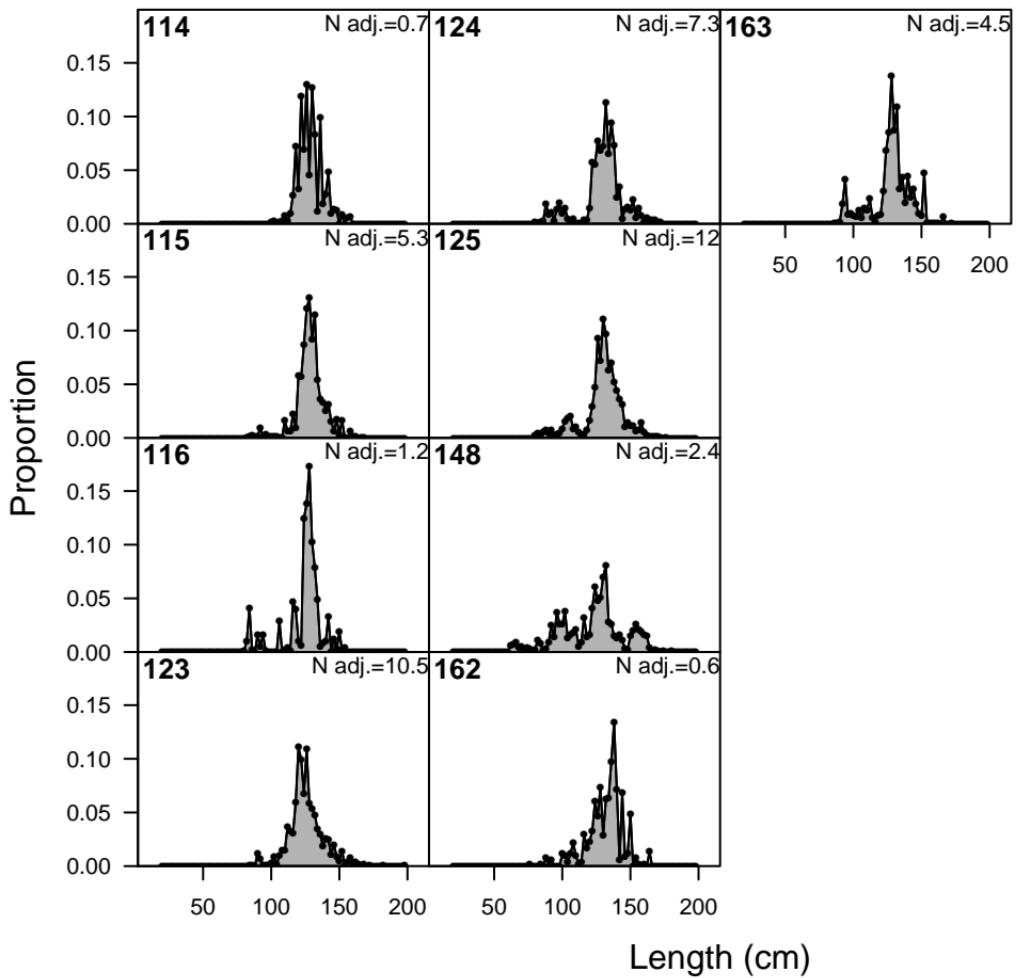
Numbers at age at equilibrium

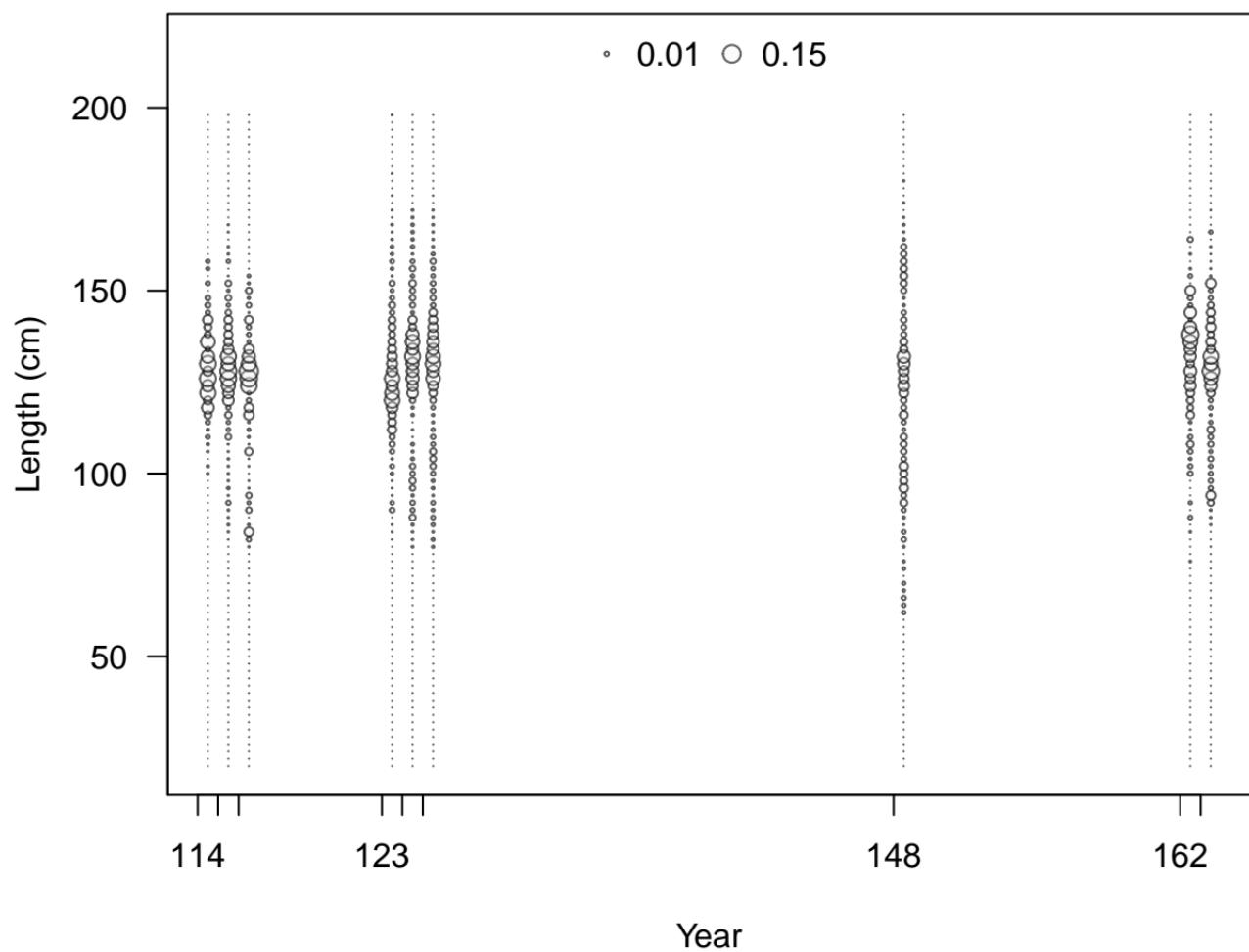




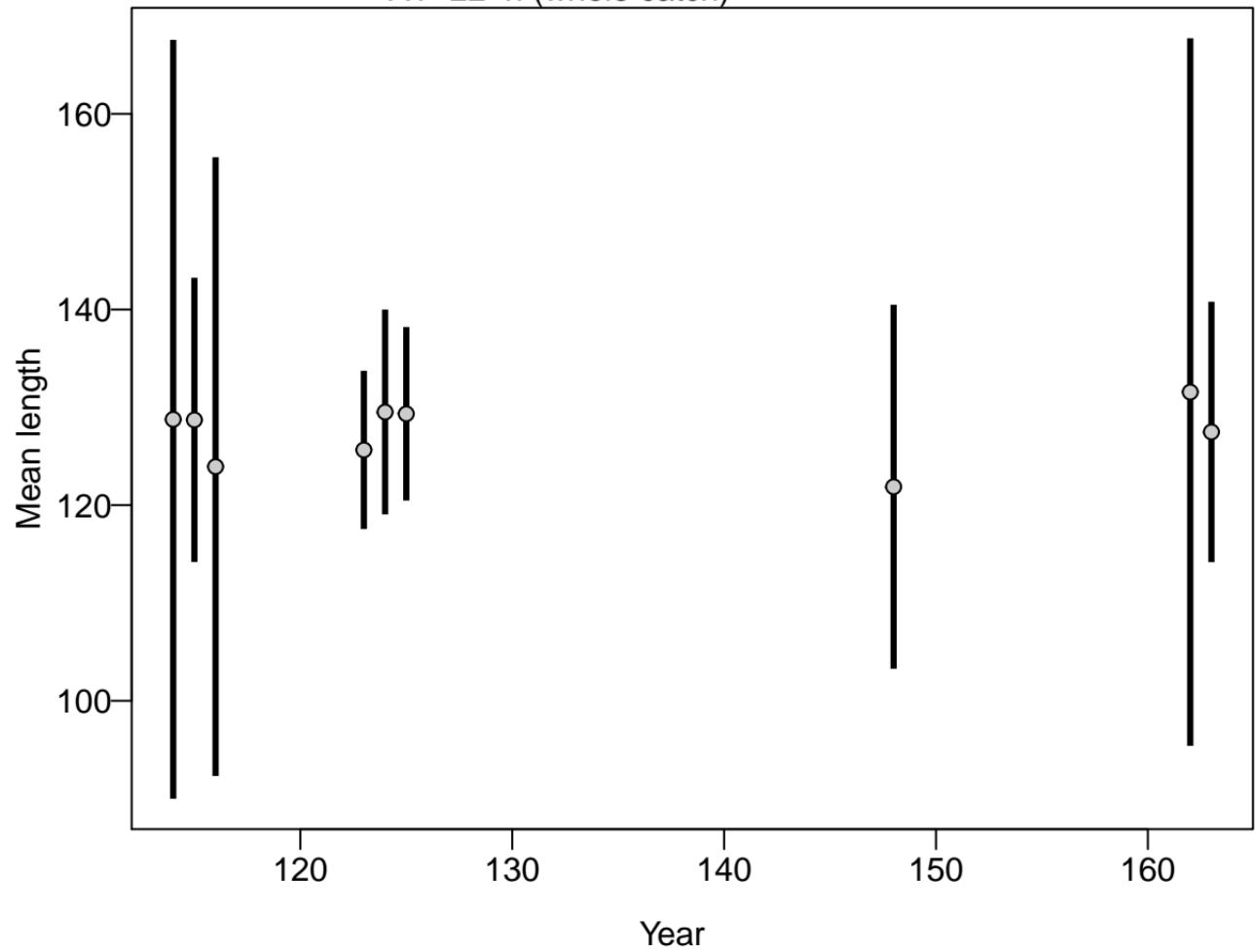
Observed age (yr)

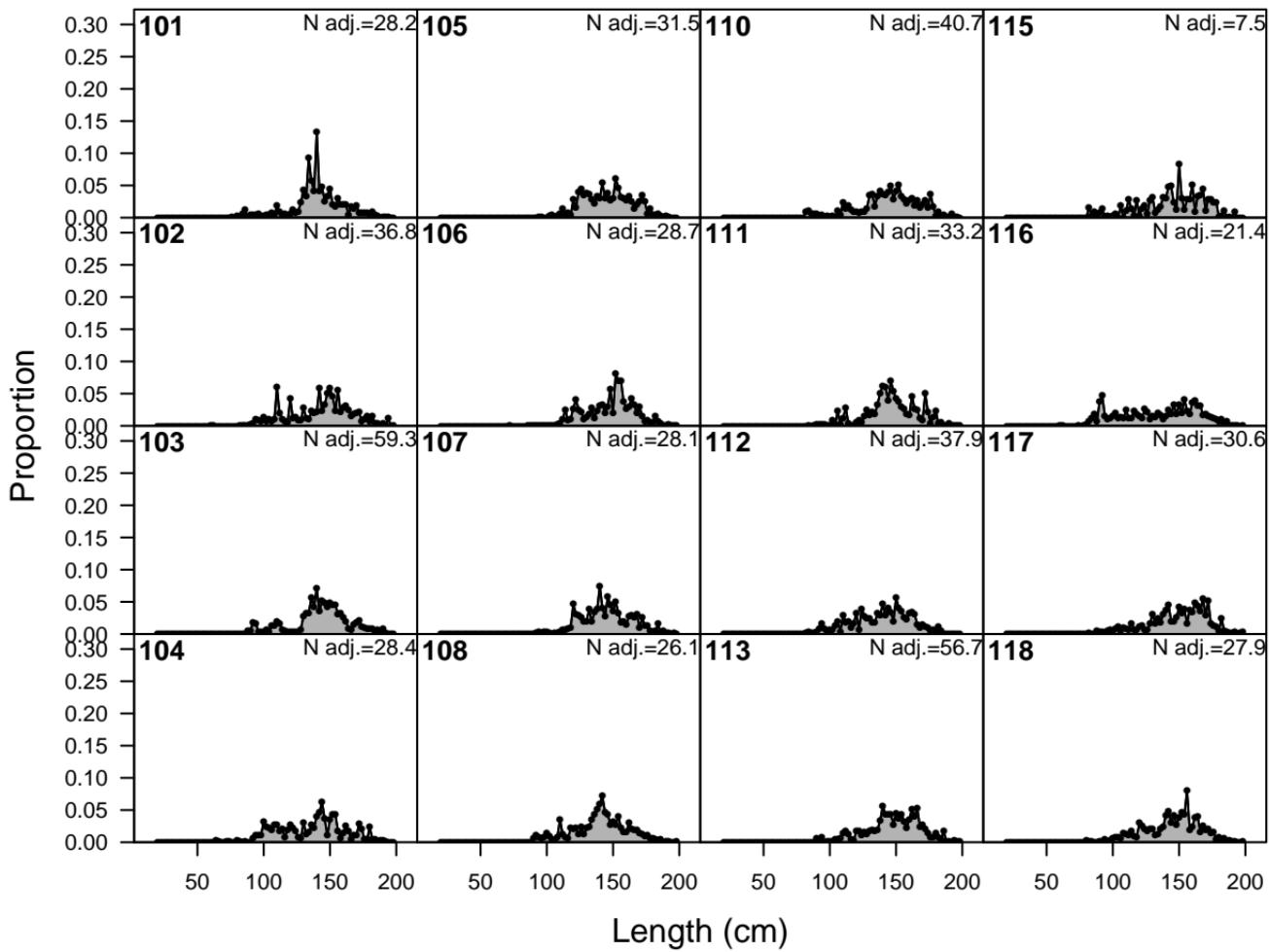


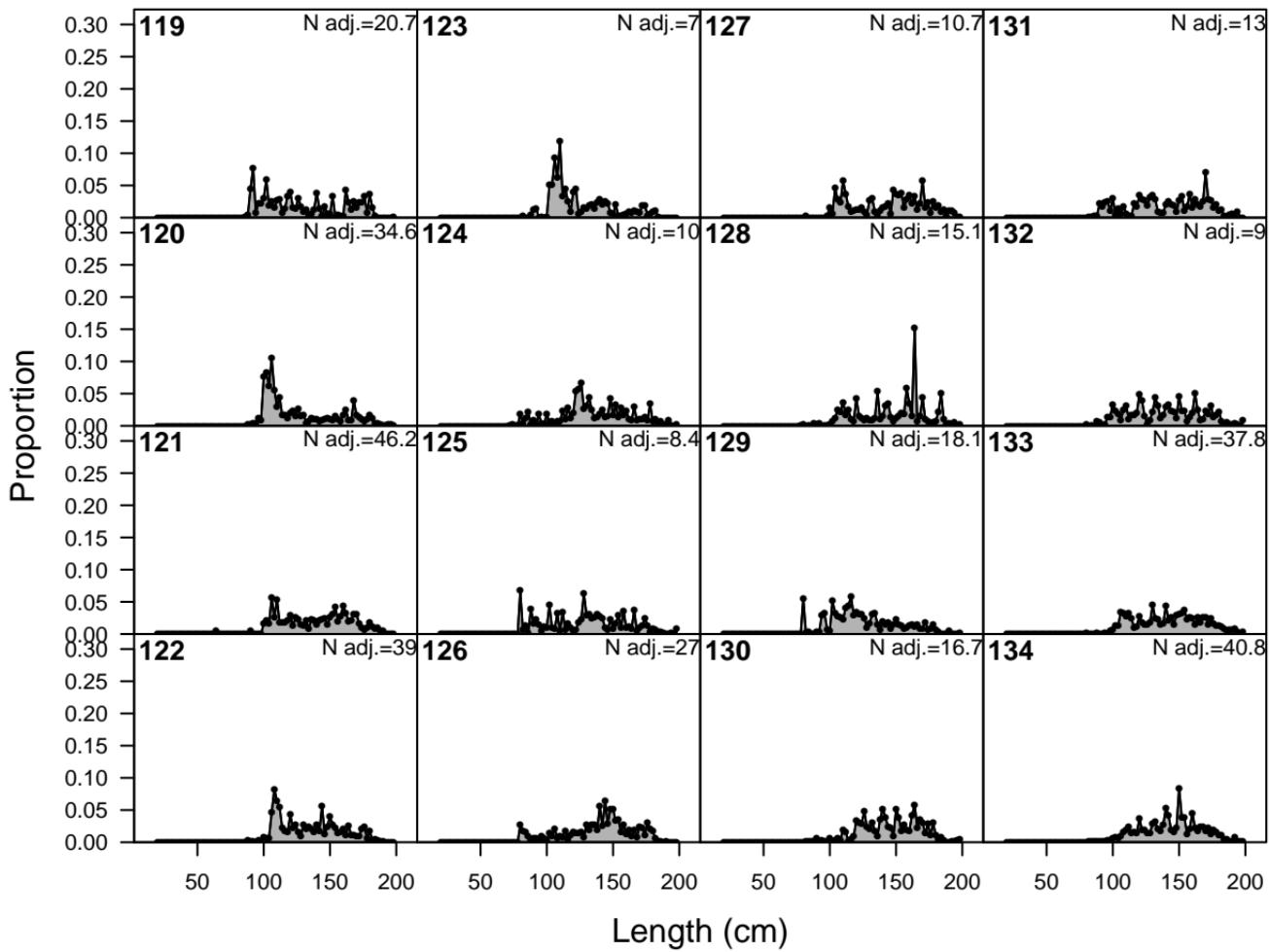


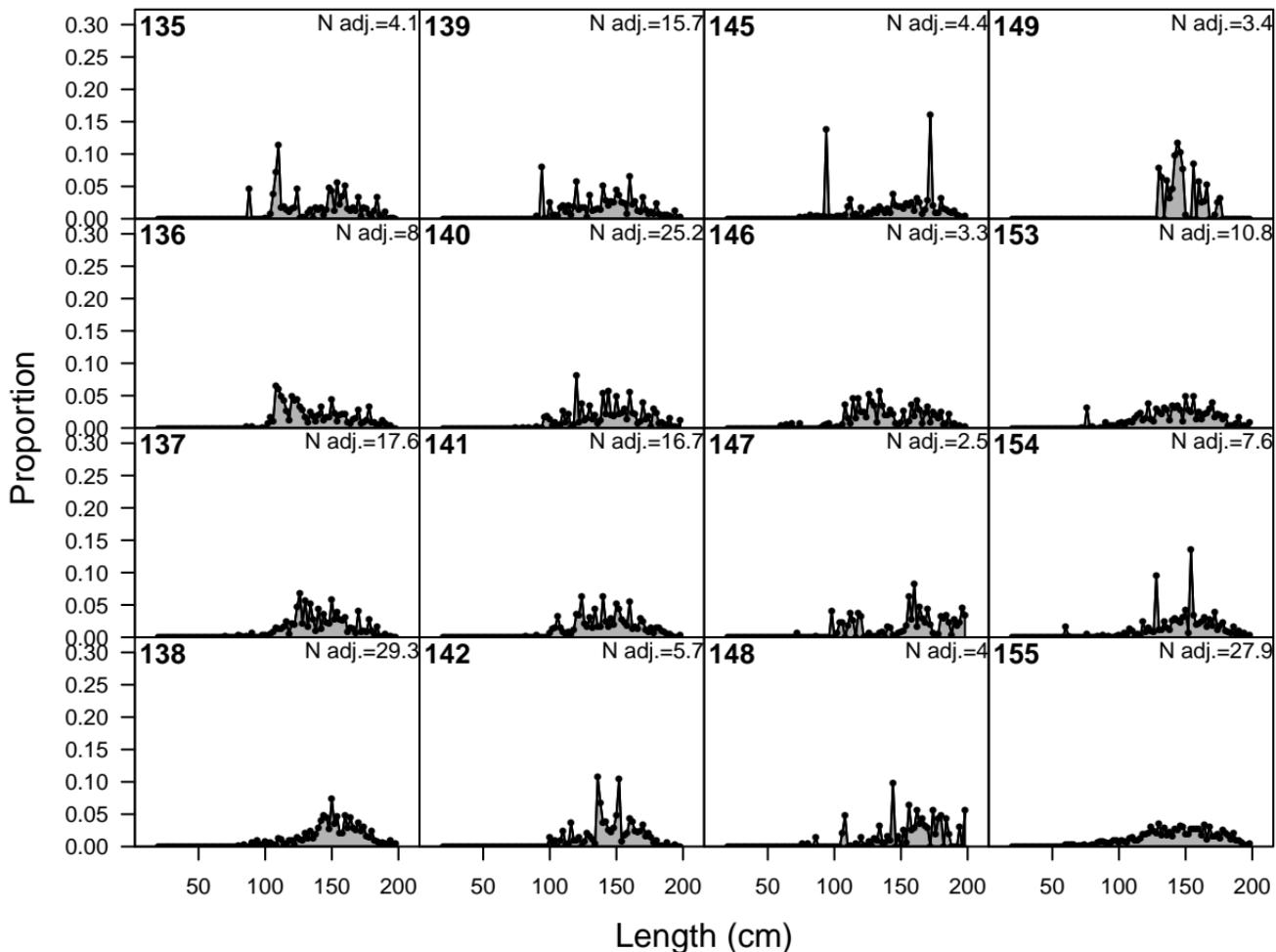


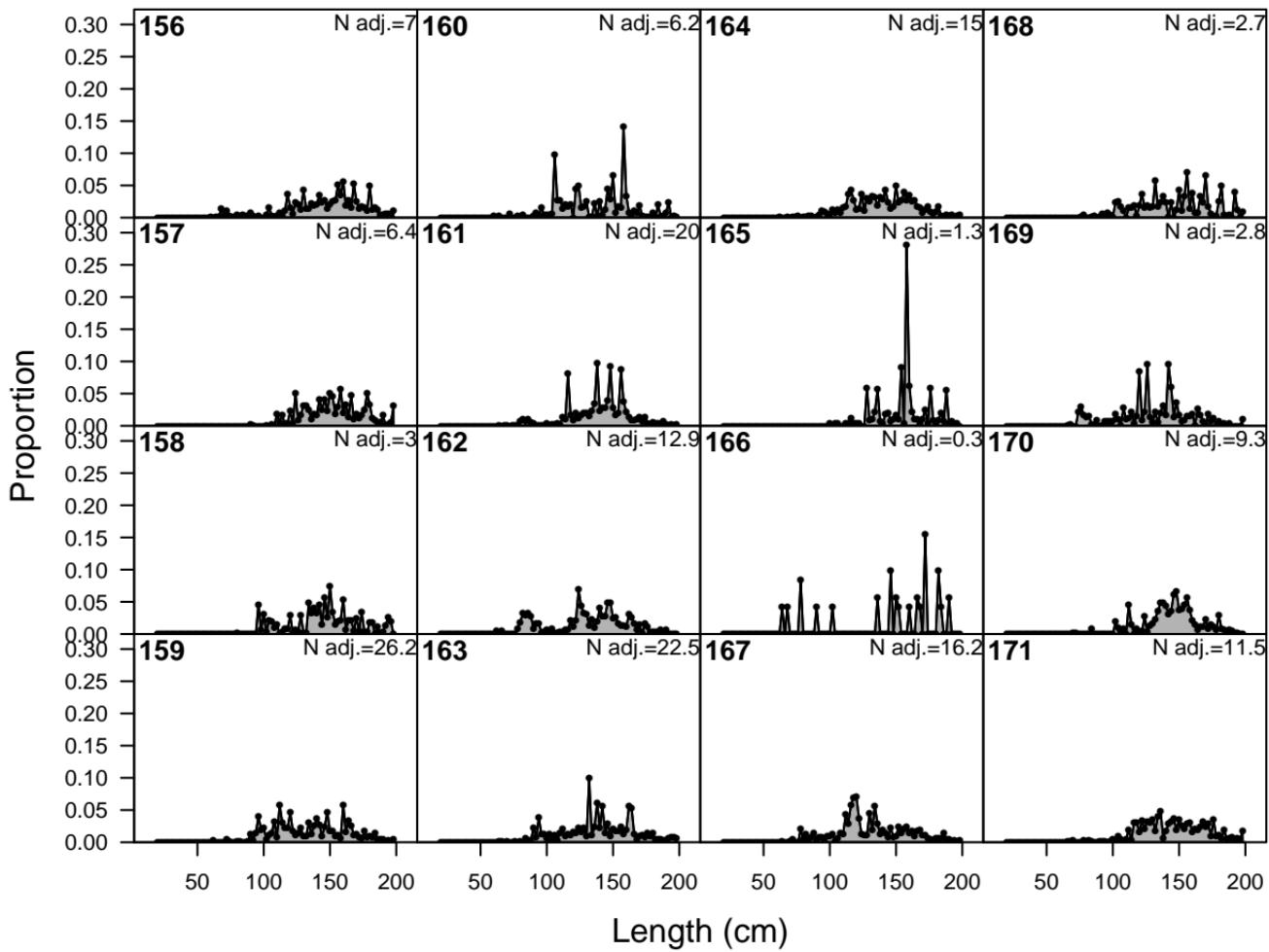
### A1-LL-n (whole catch)

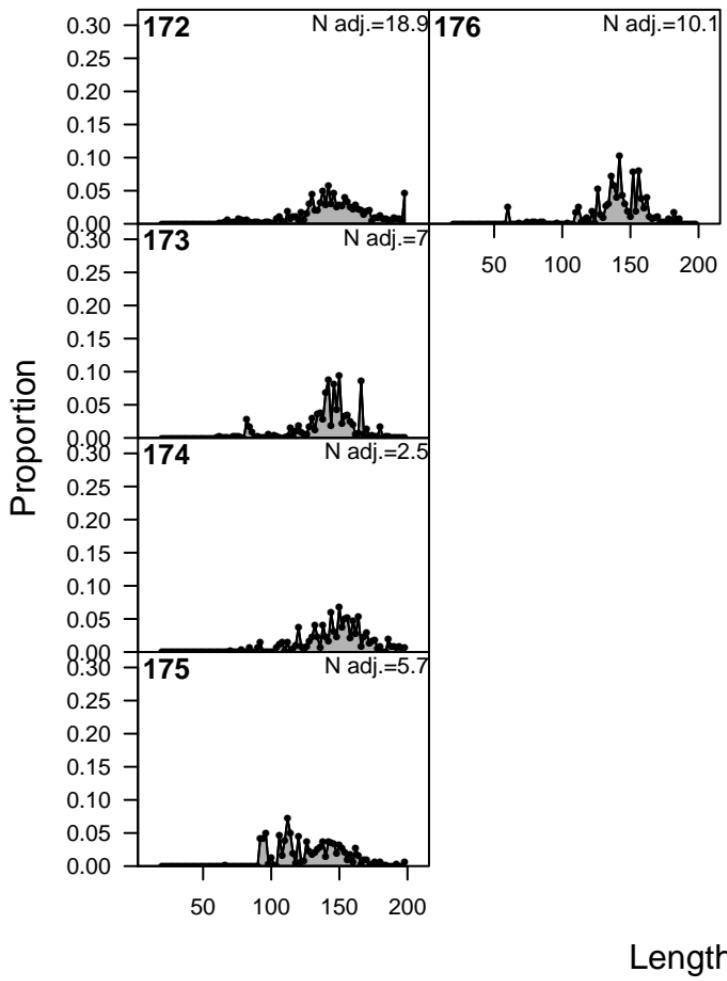


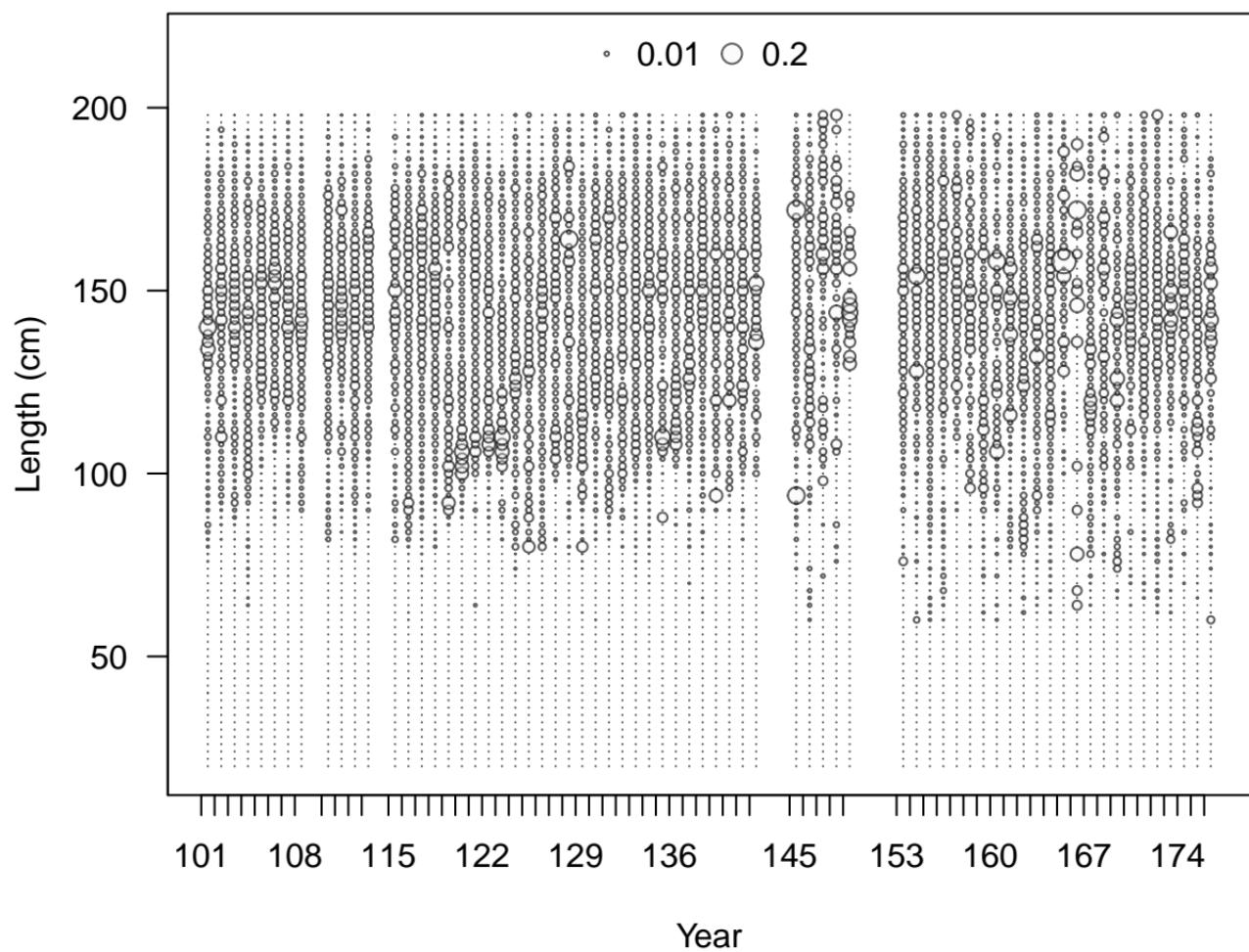




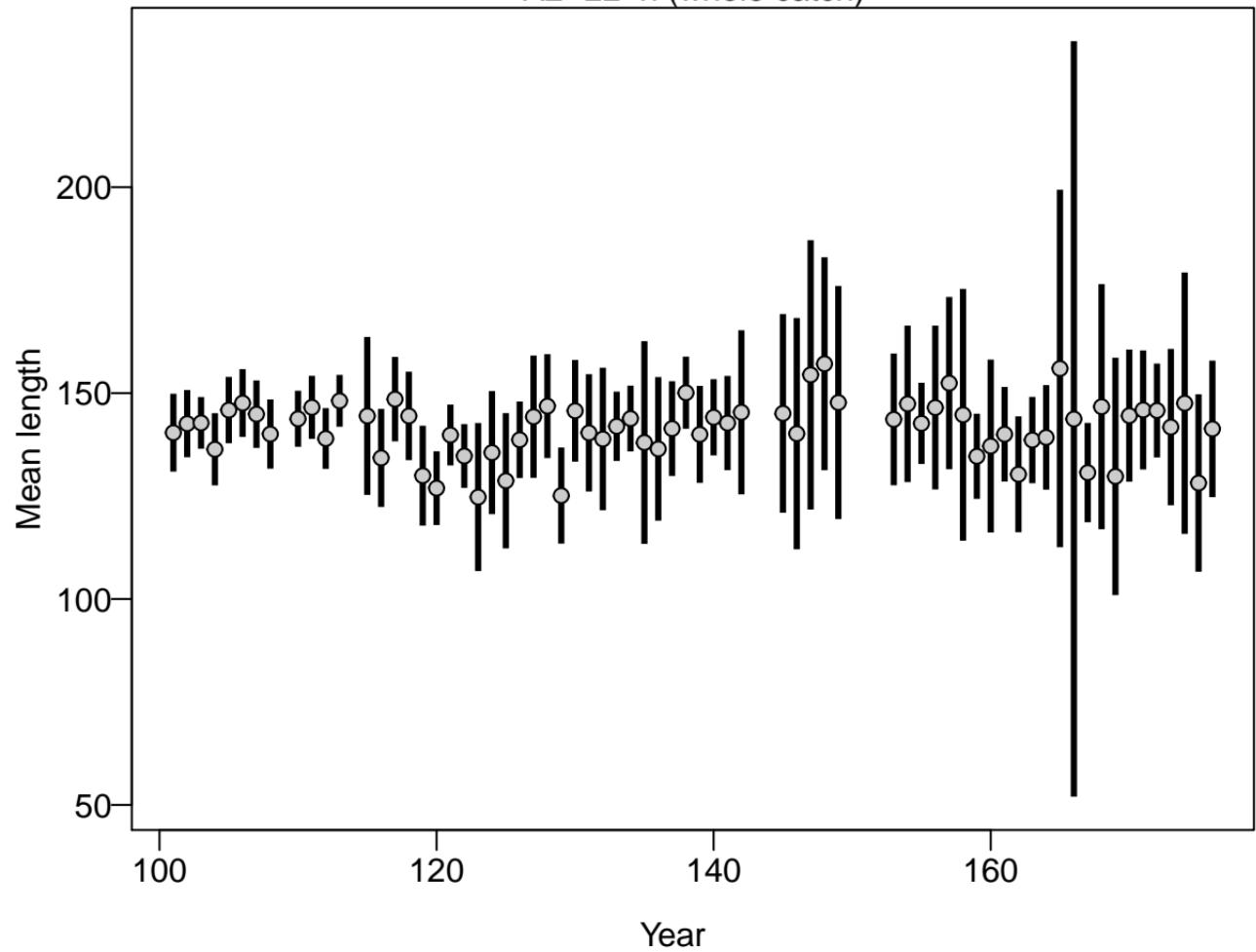




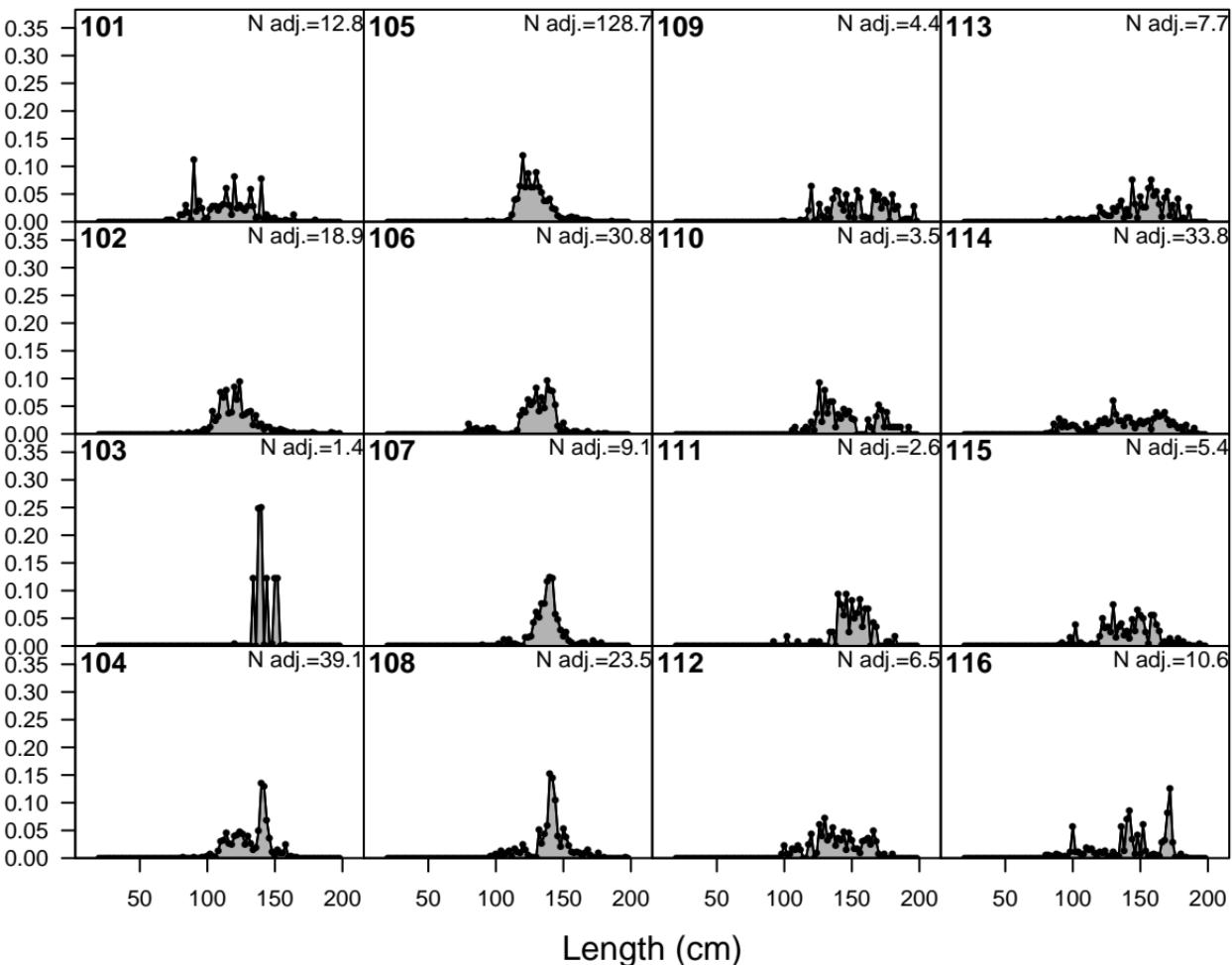




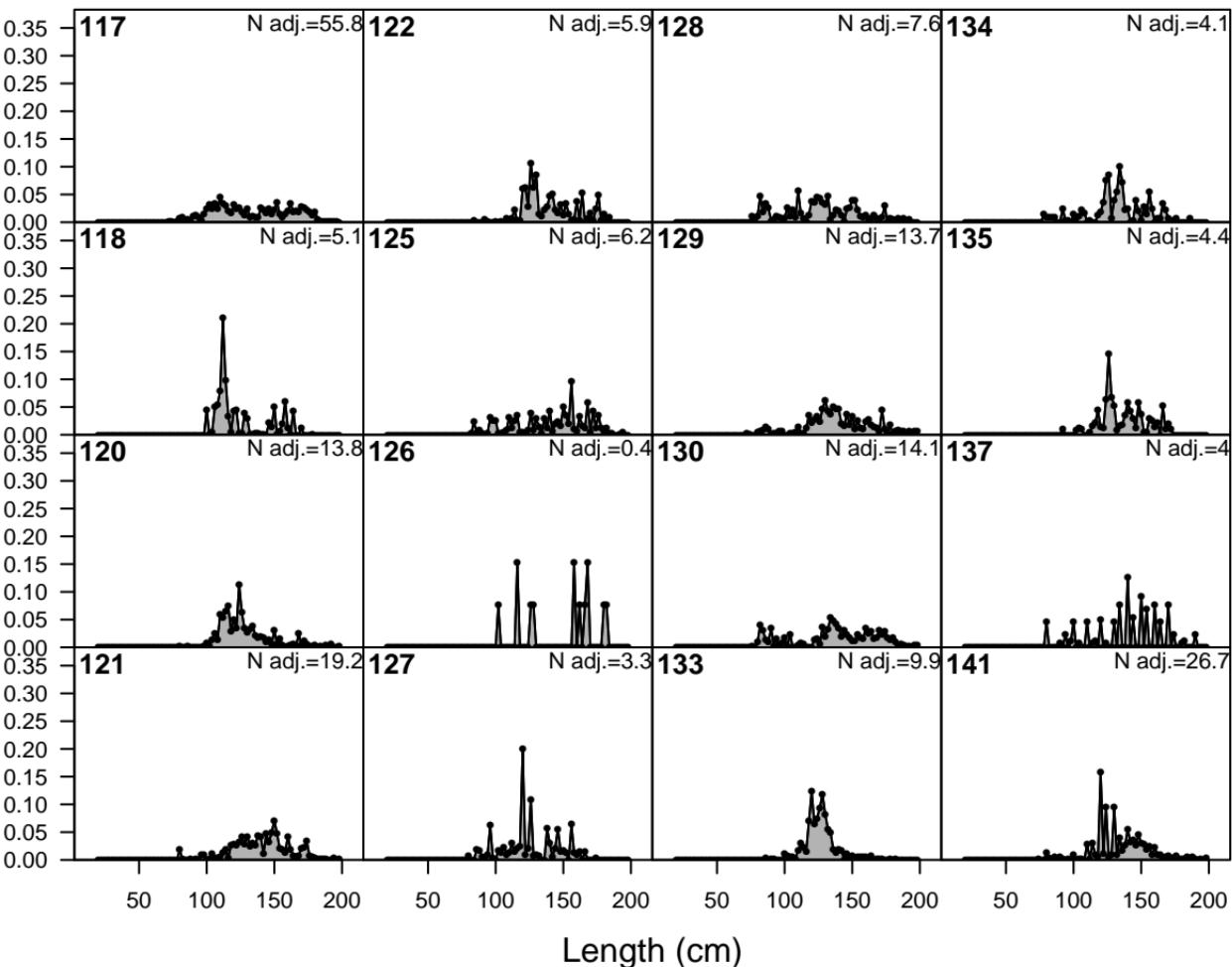
A2-LL-n (whole catch)



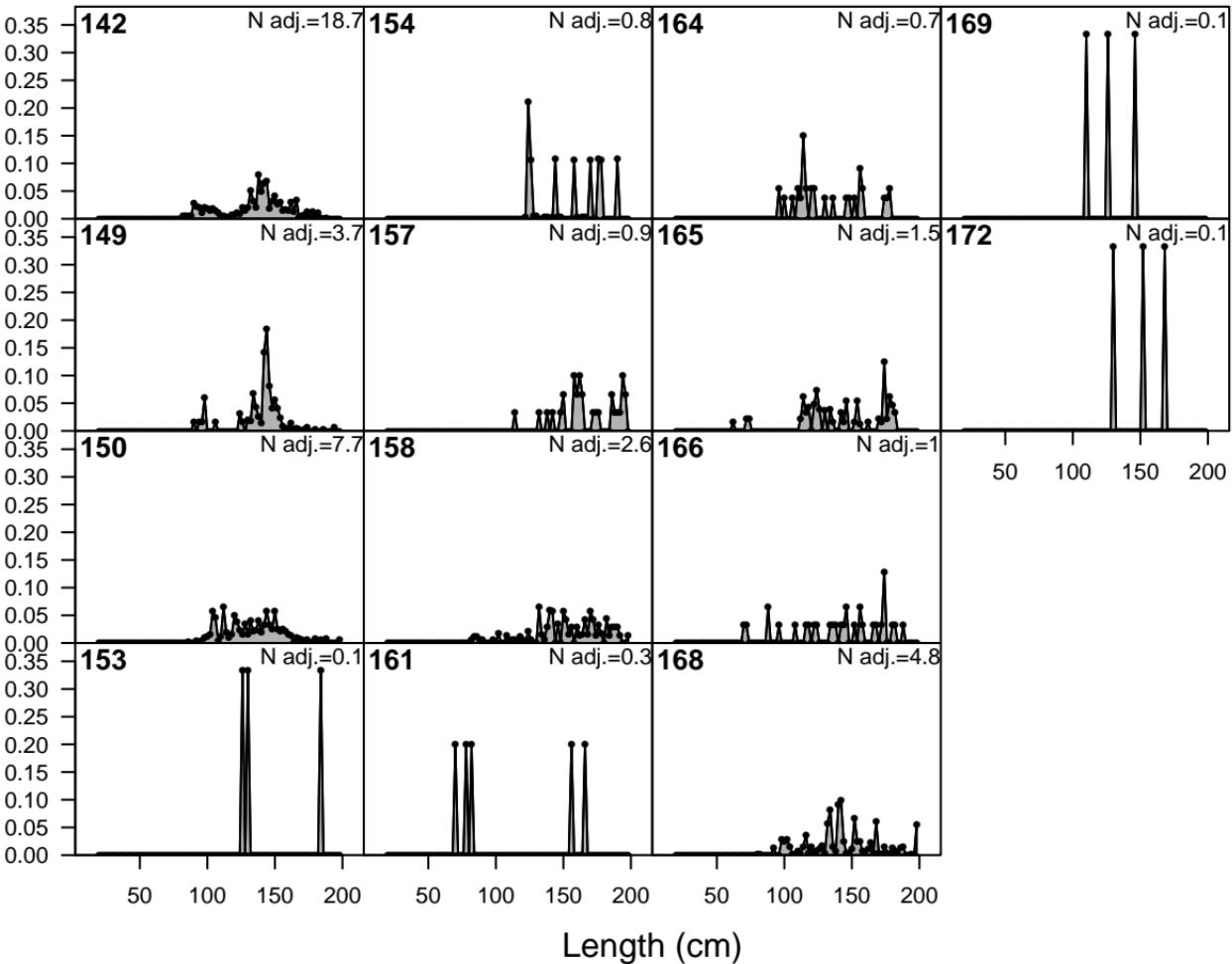
Proportion

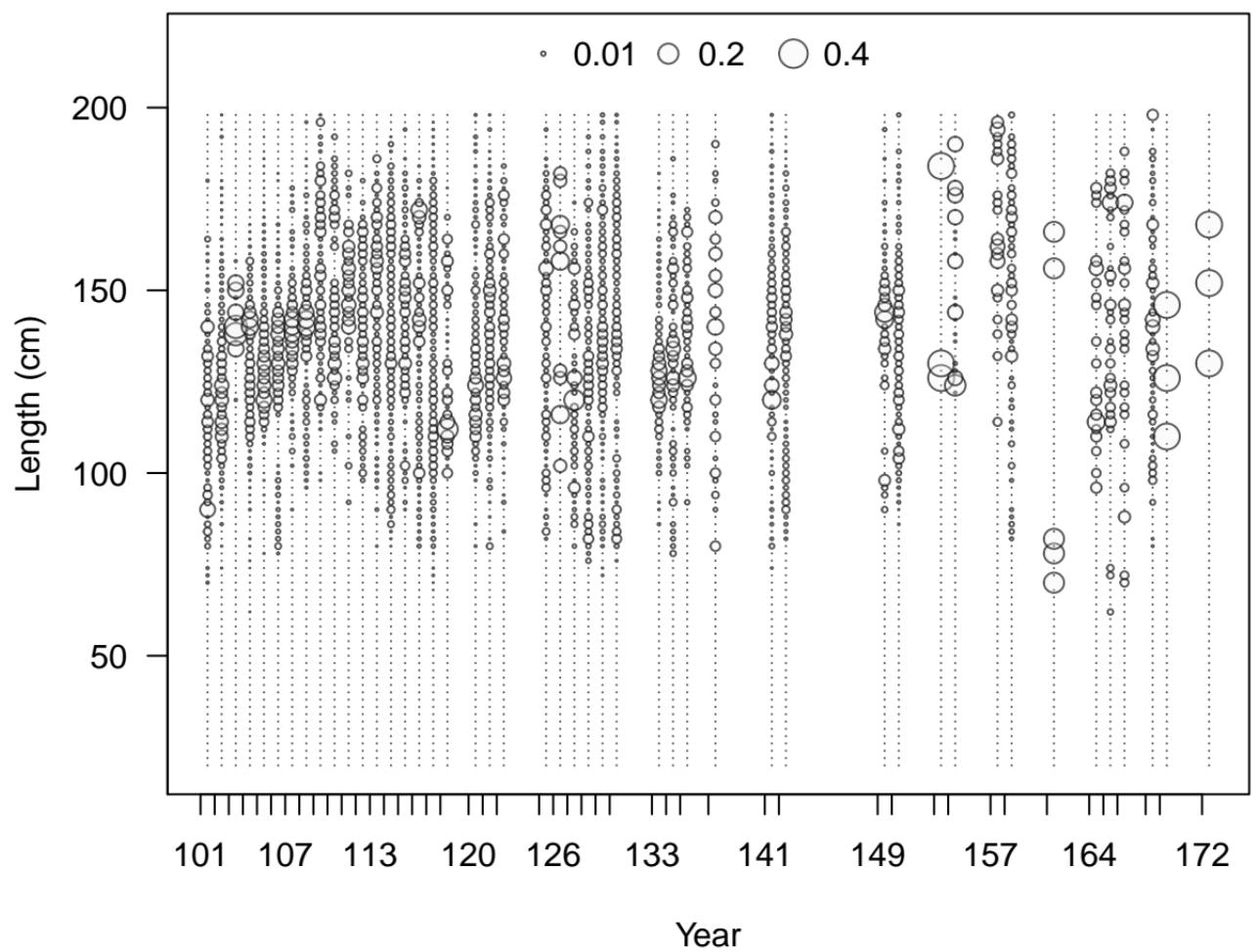


Proportion

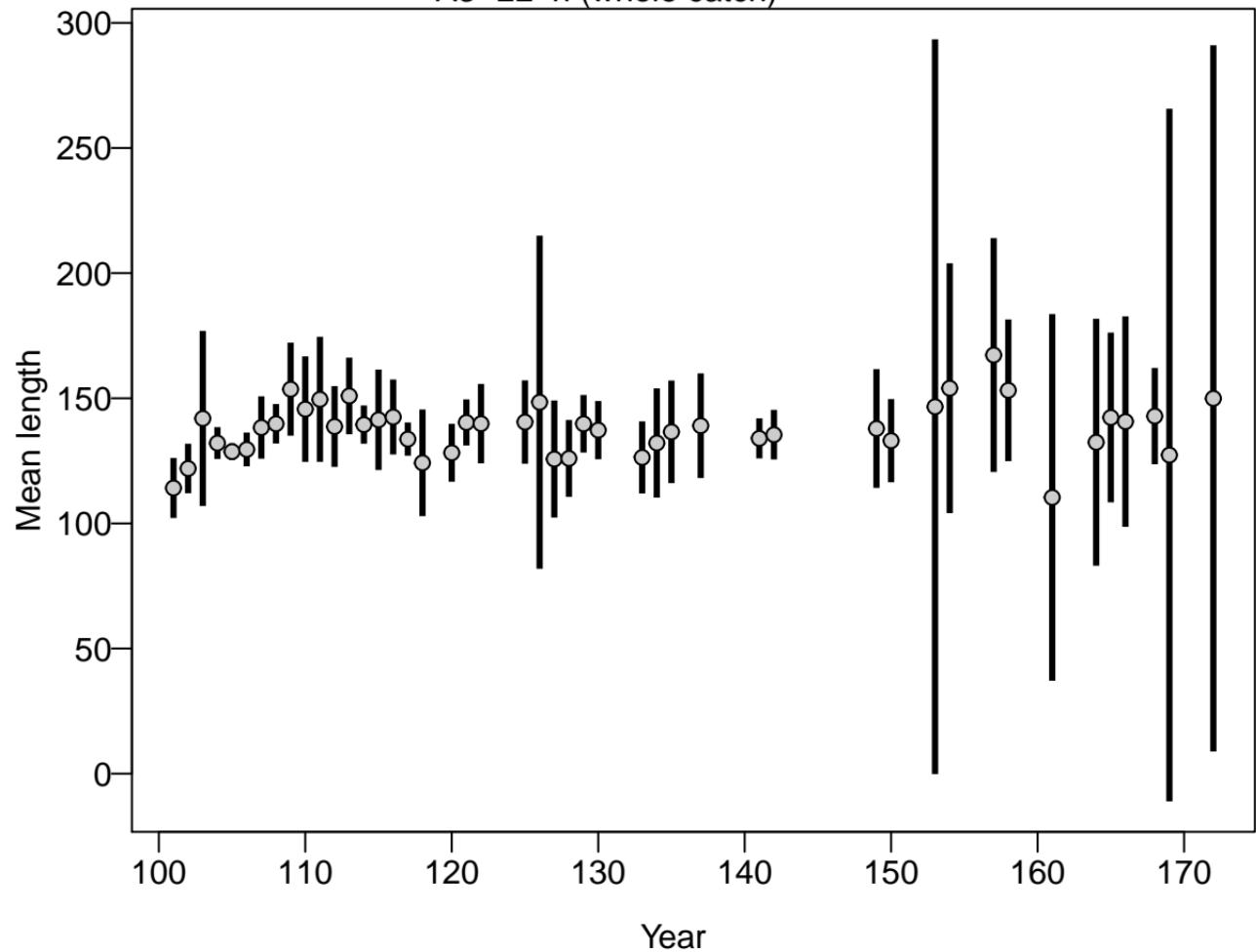


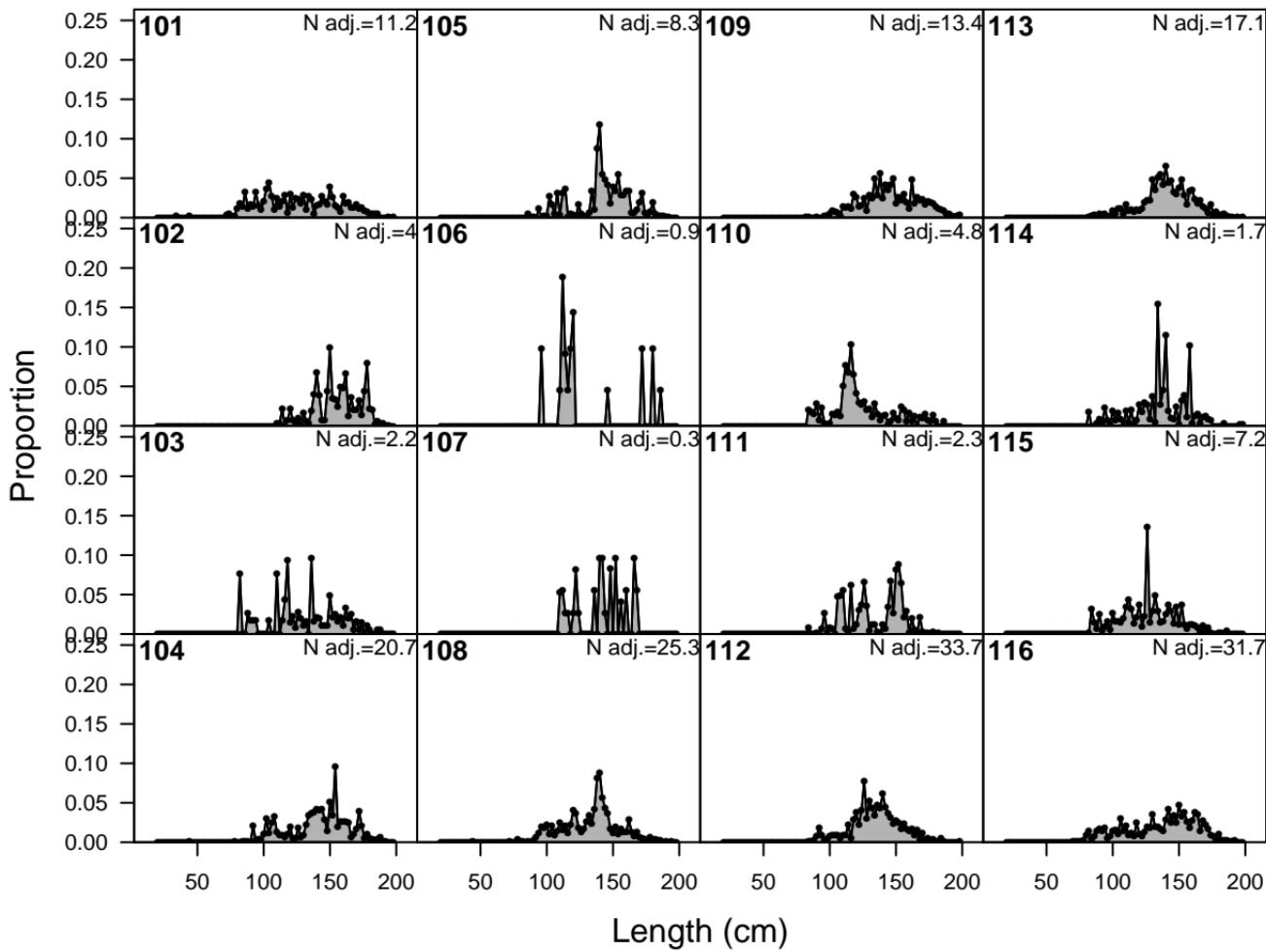
Proportion

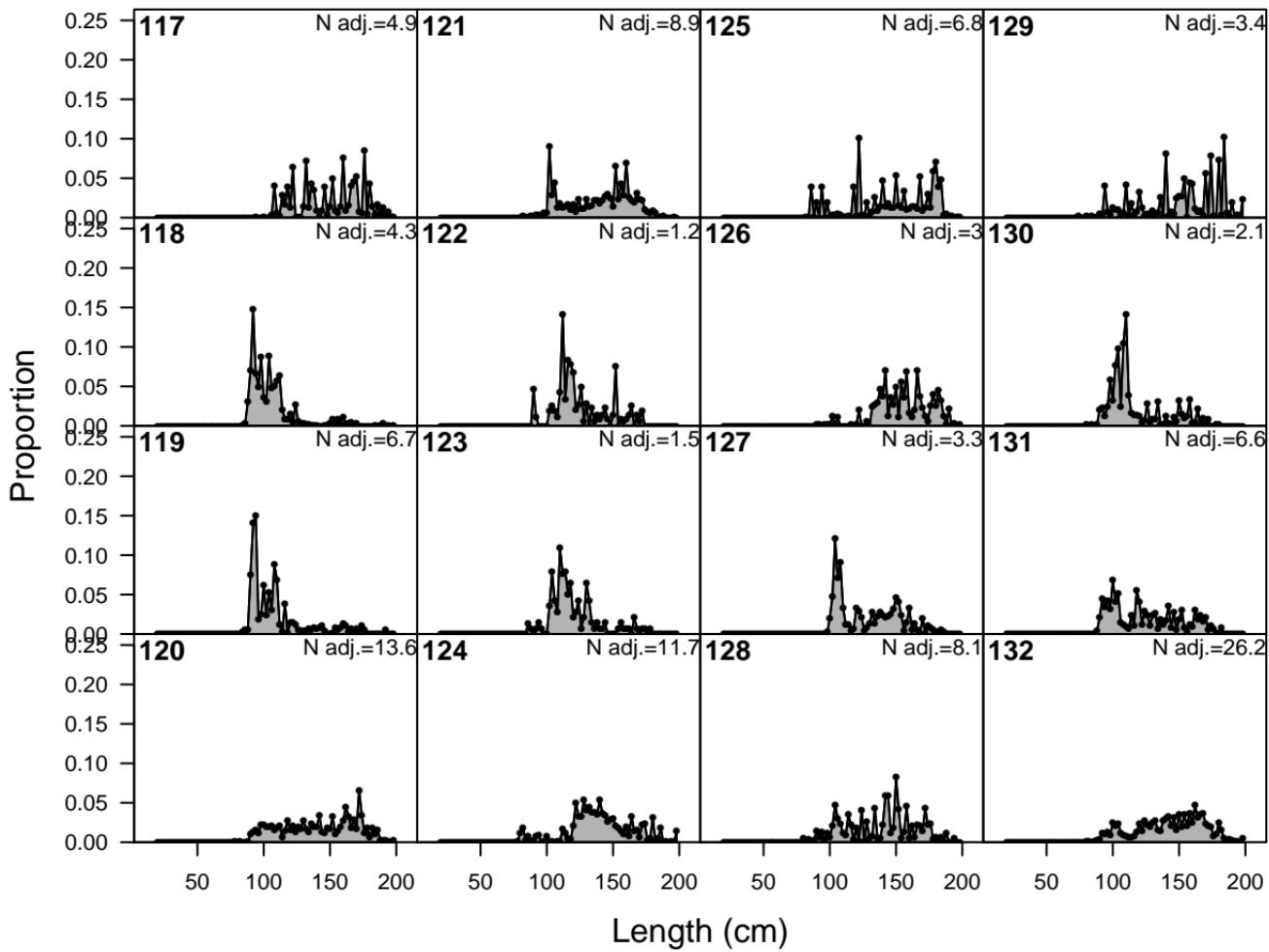


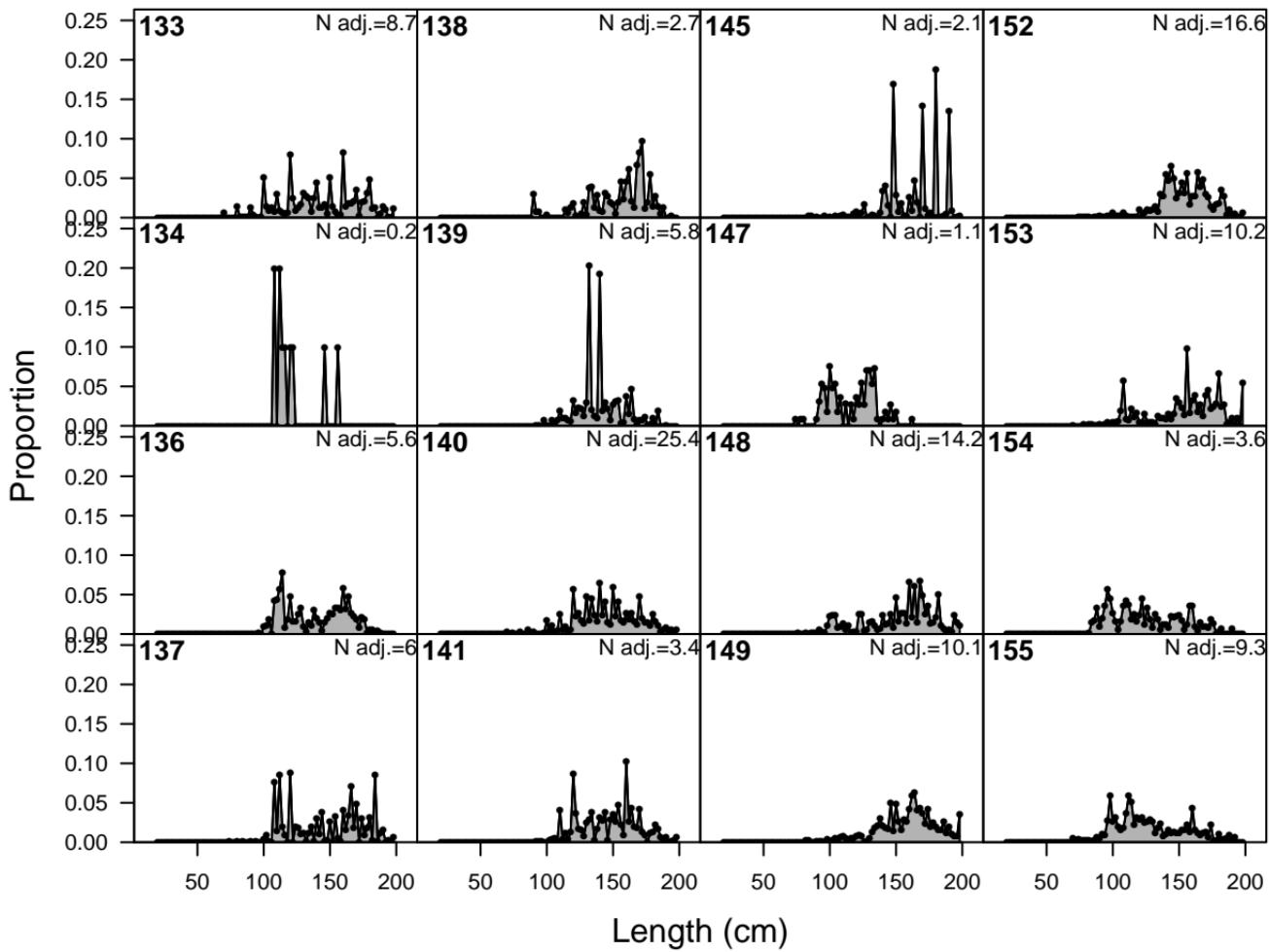


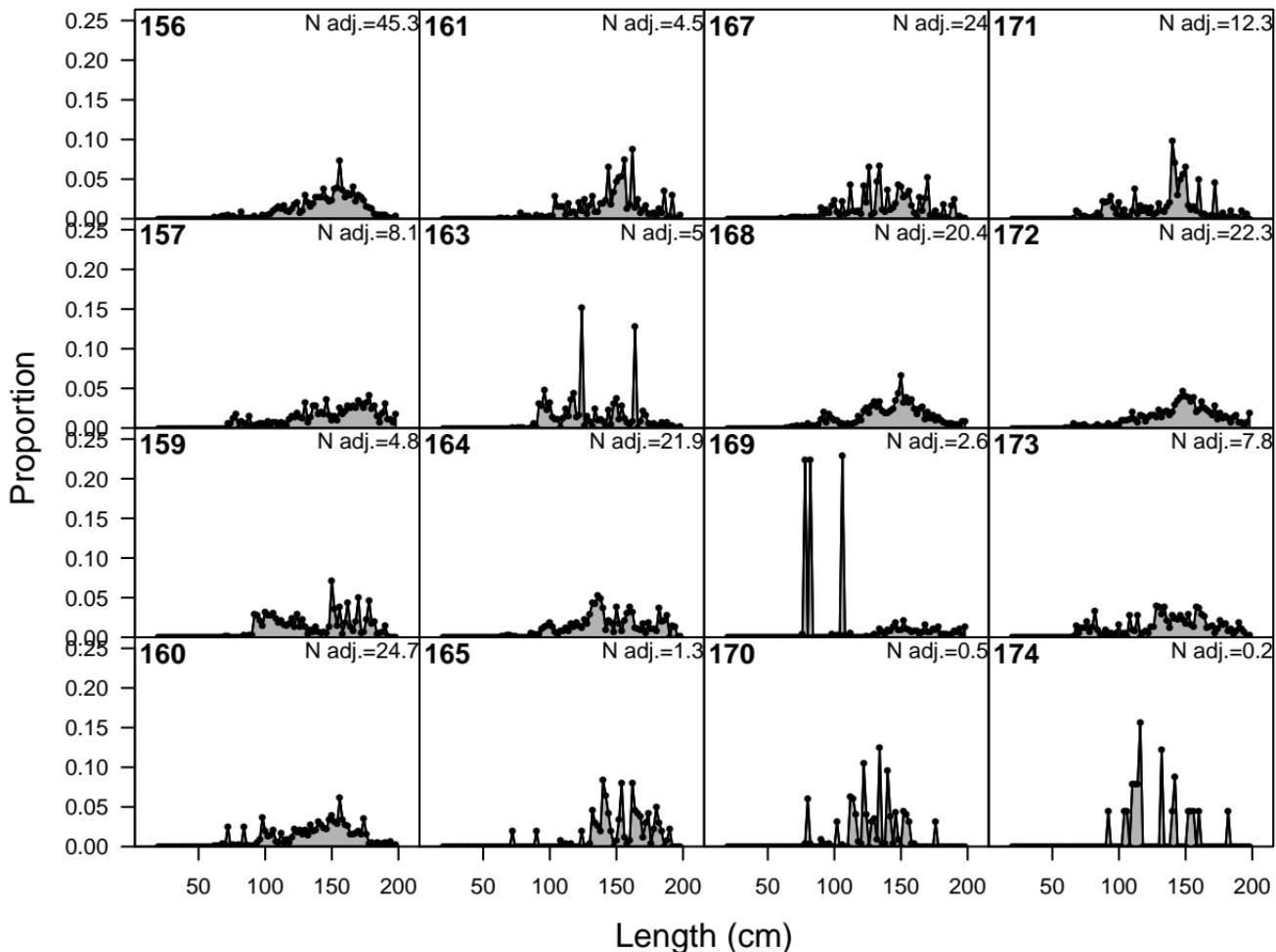
A3-LL-n (whole catch)

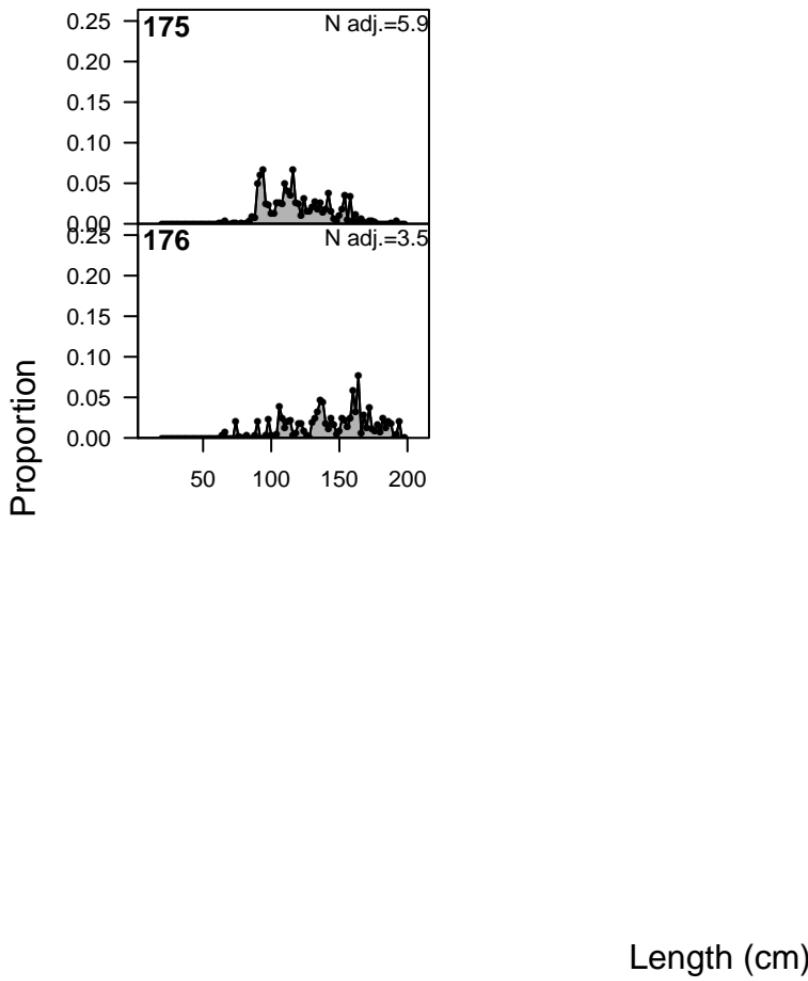


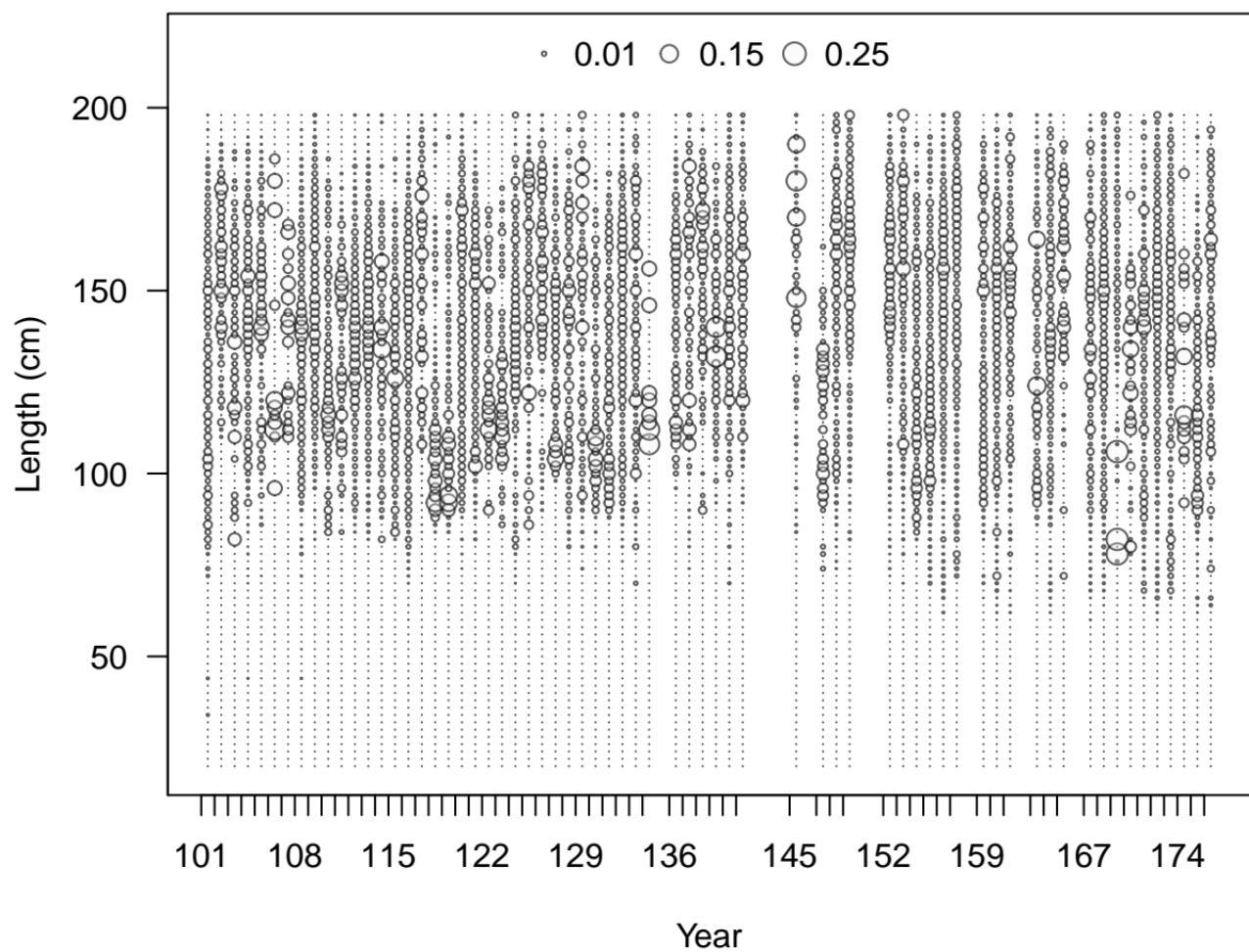




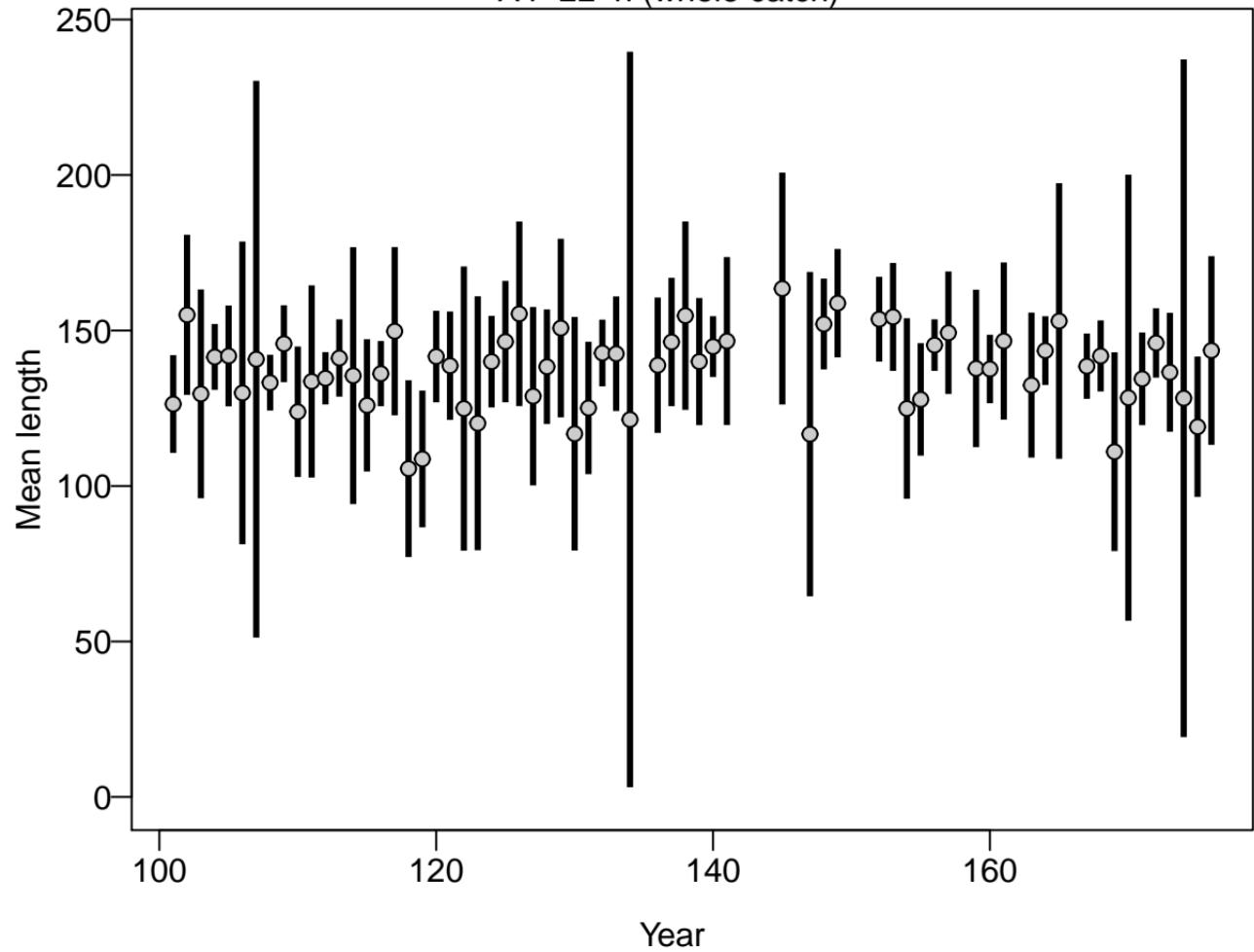


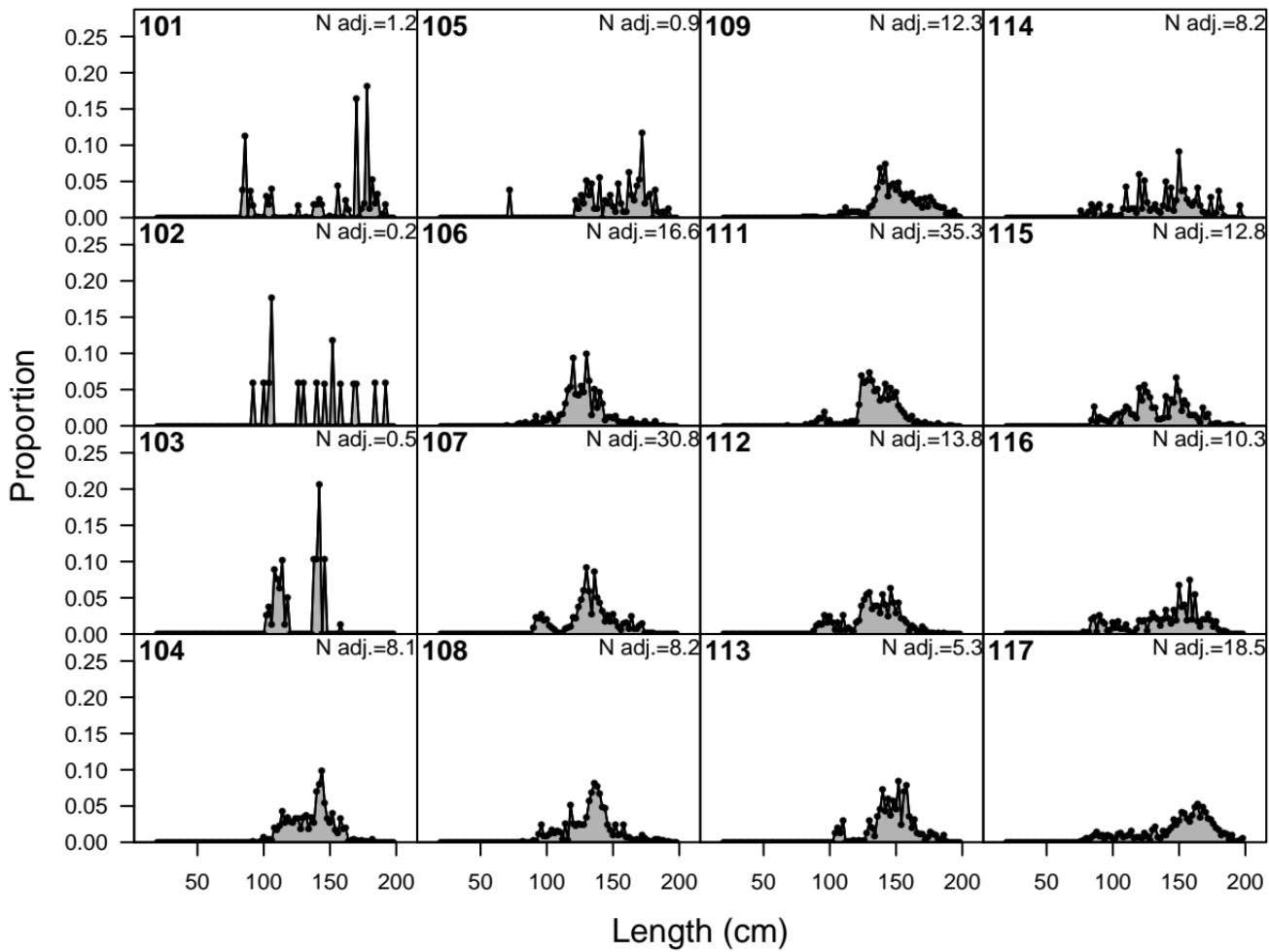


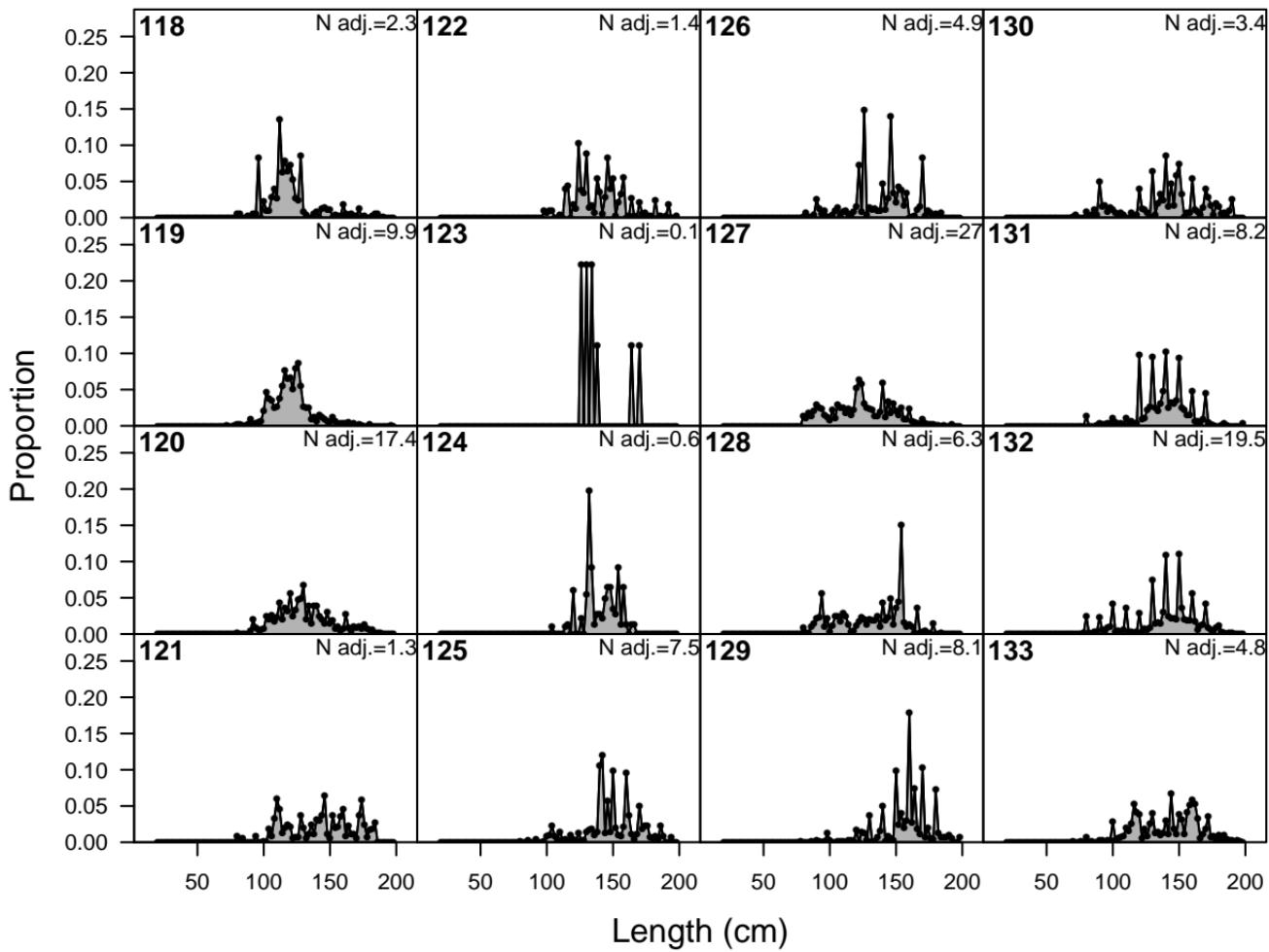


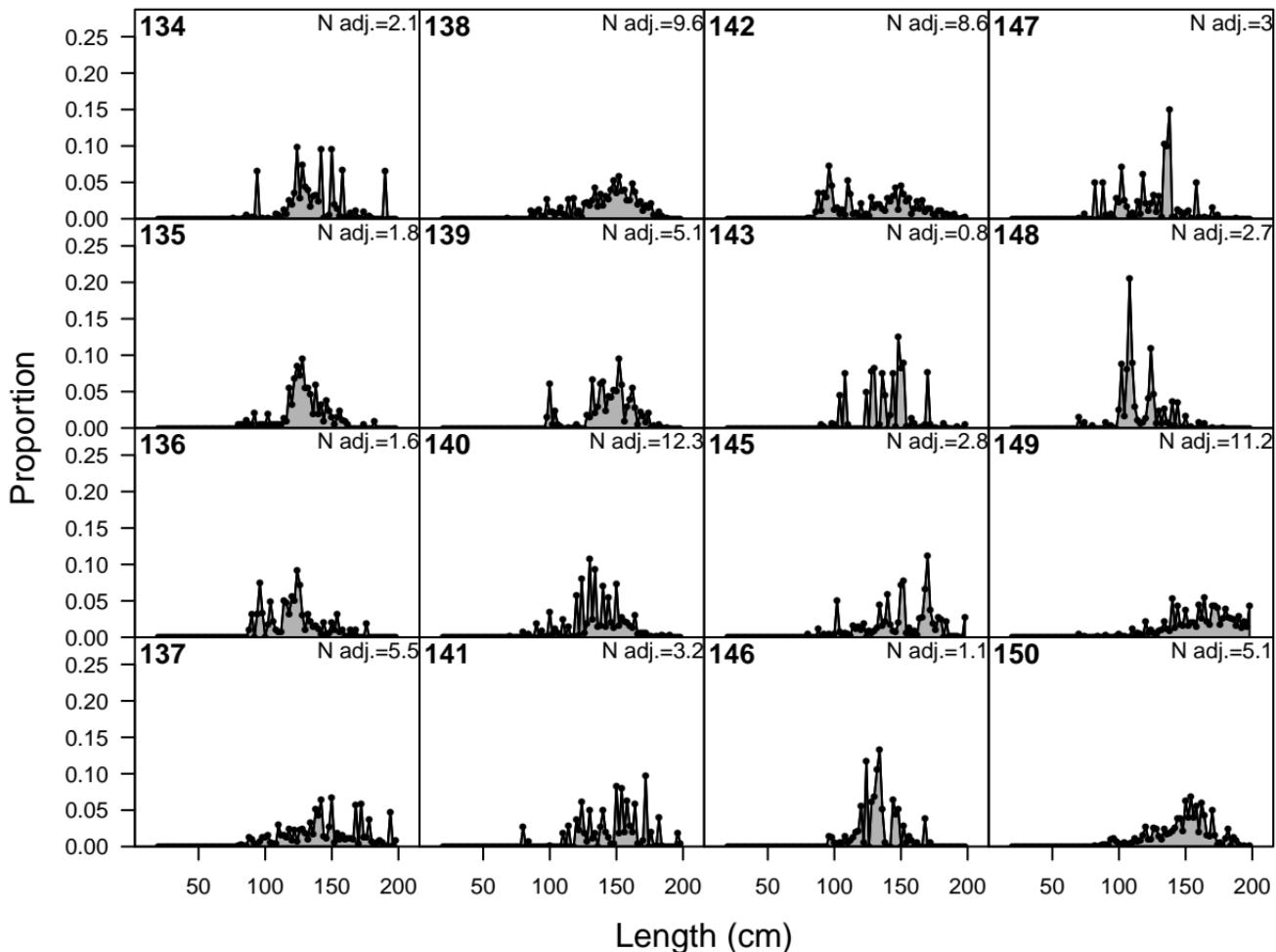


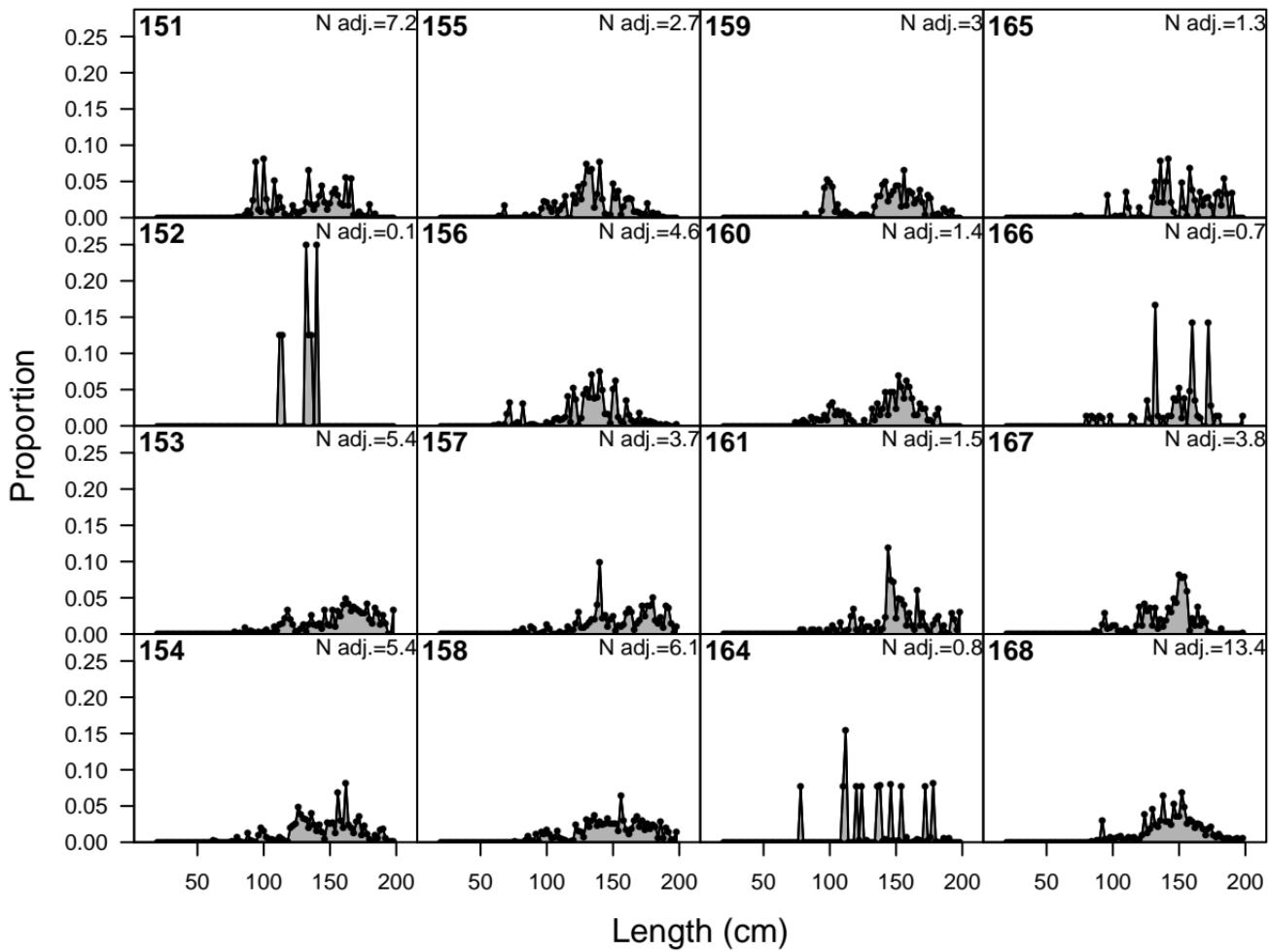
### A4-LL-n (whole catch)

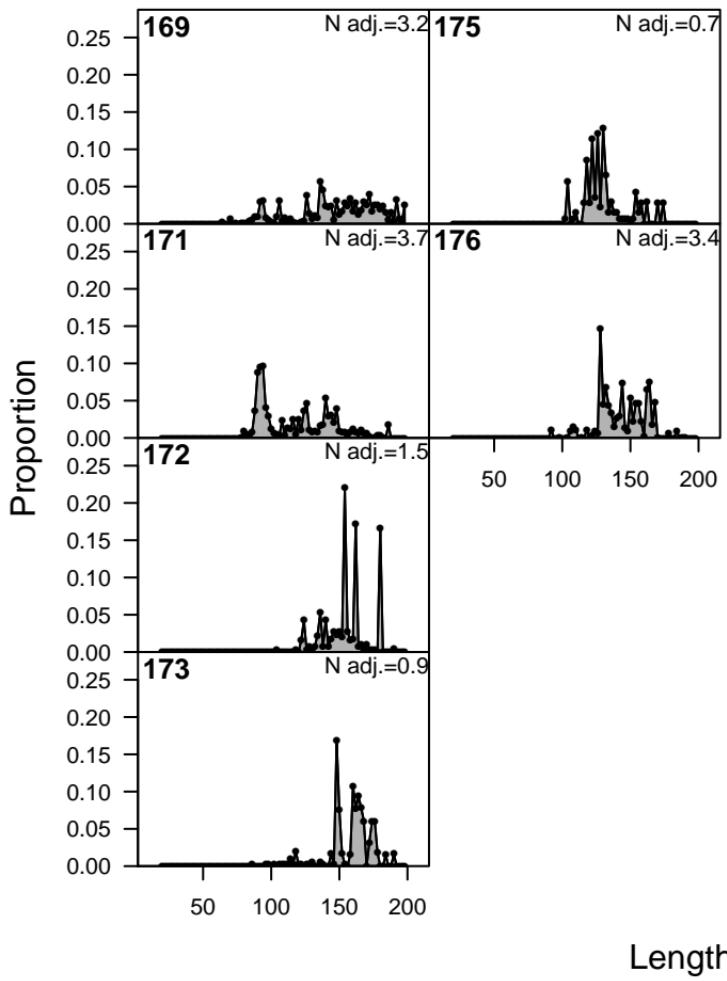


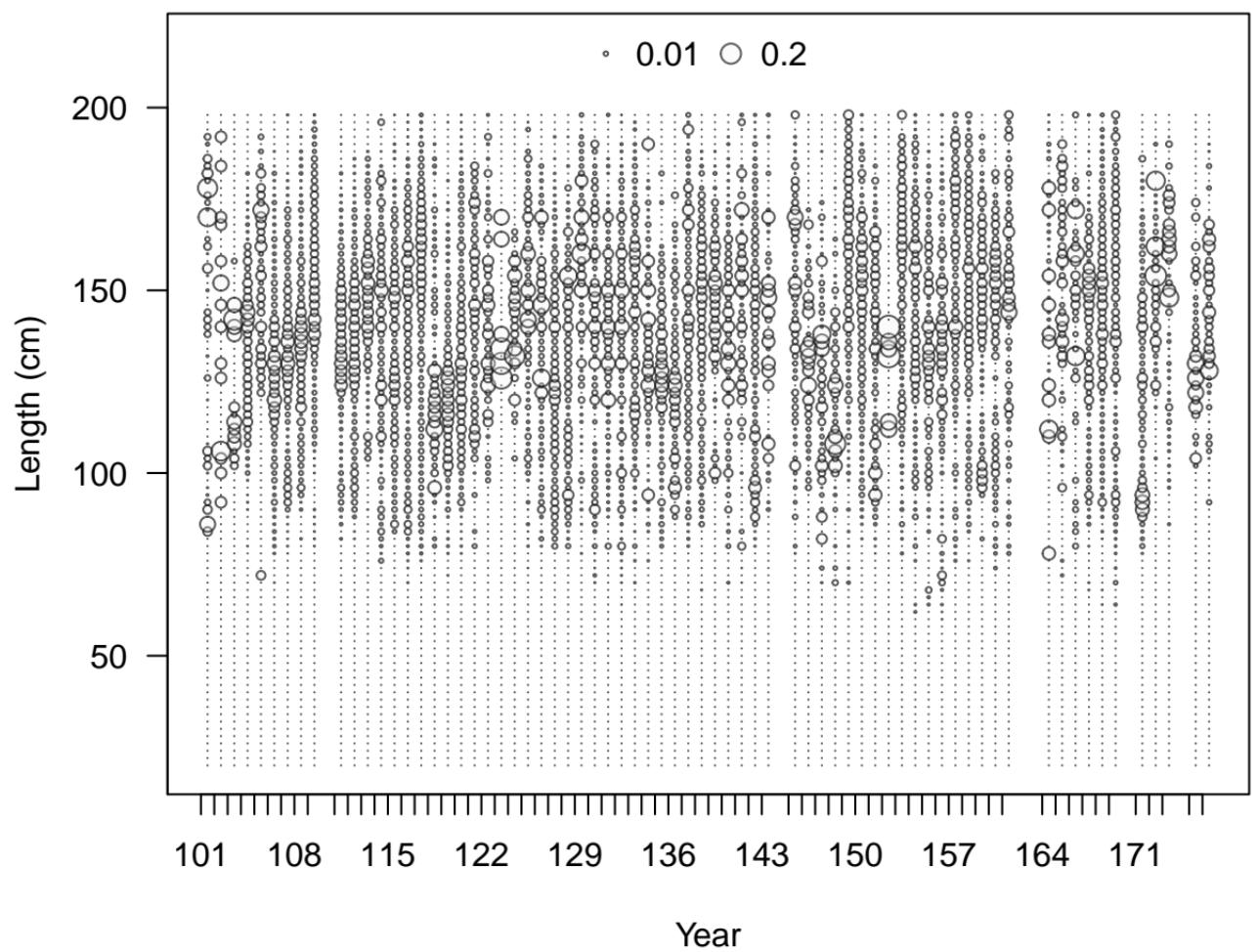




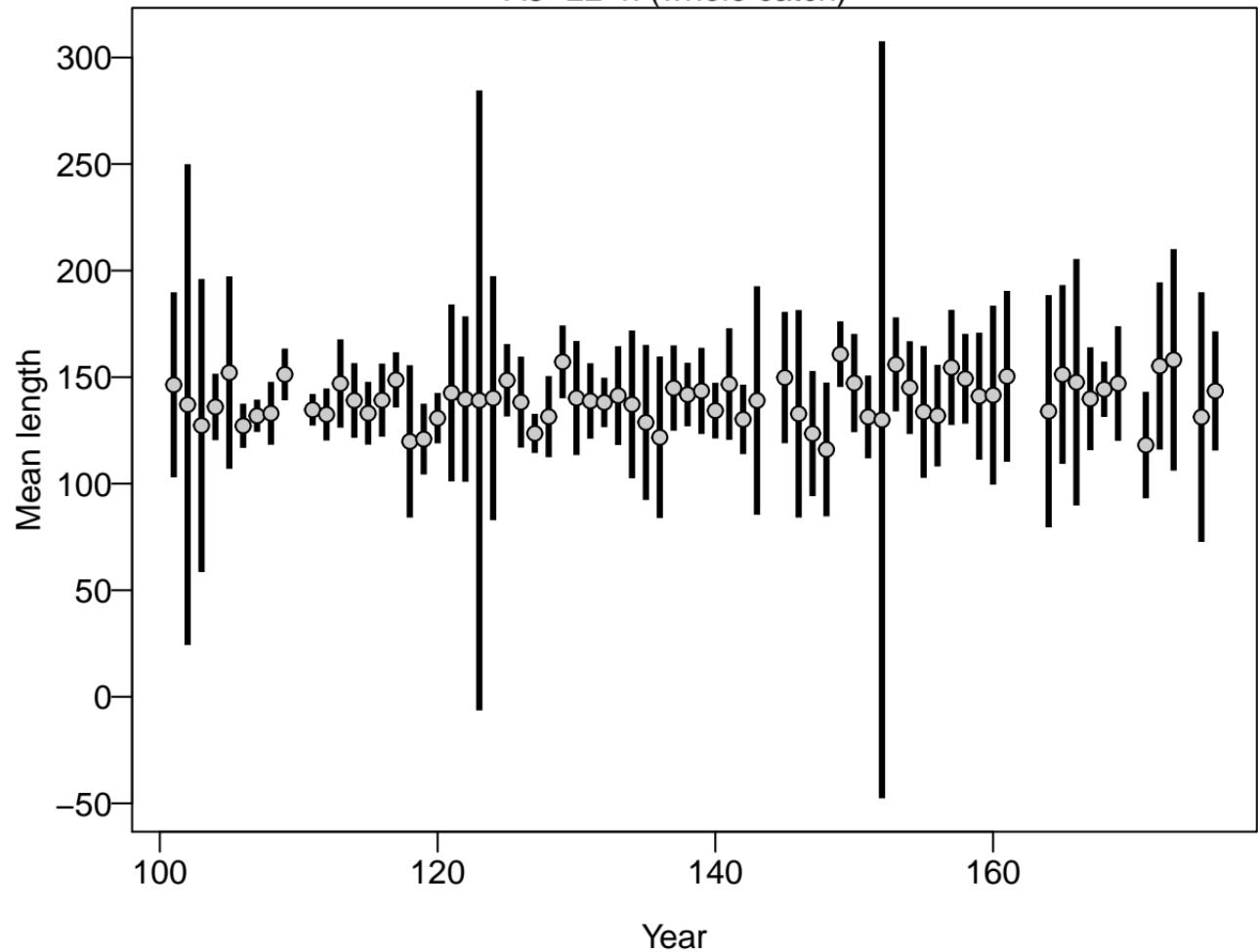




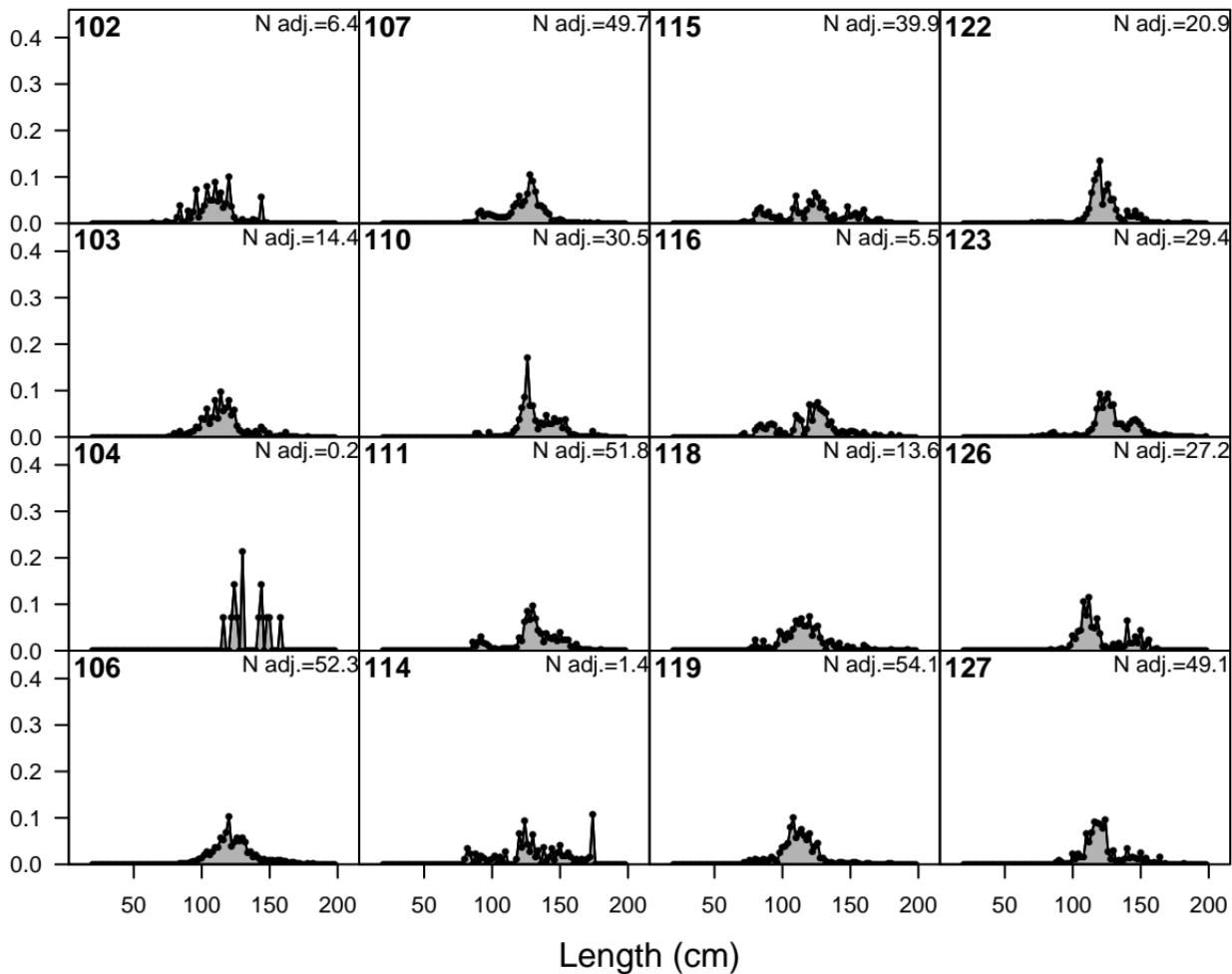




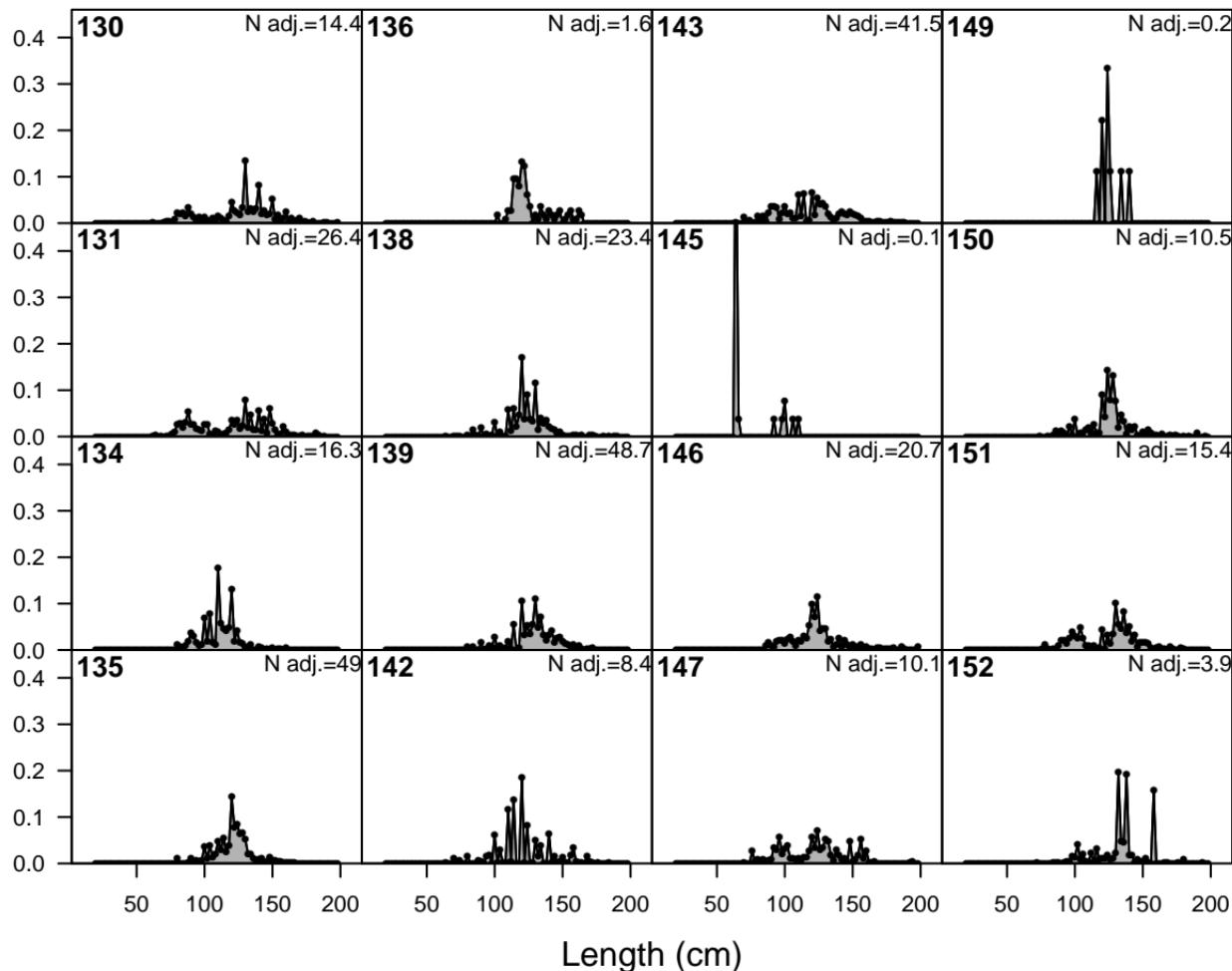
### A5-LL-n (whole catch)



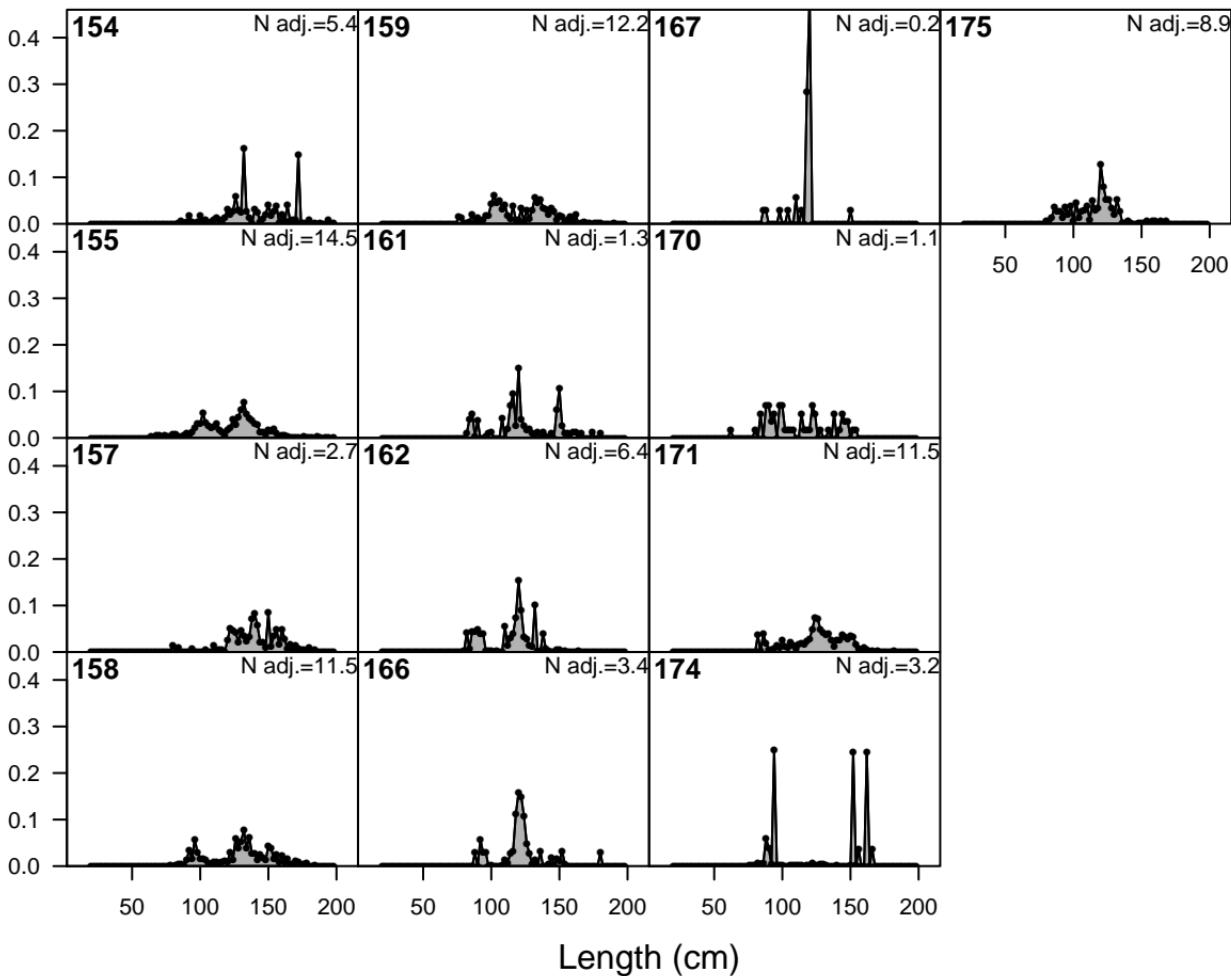
Proportion

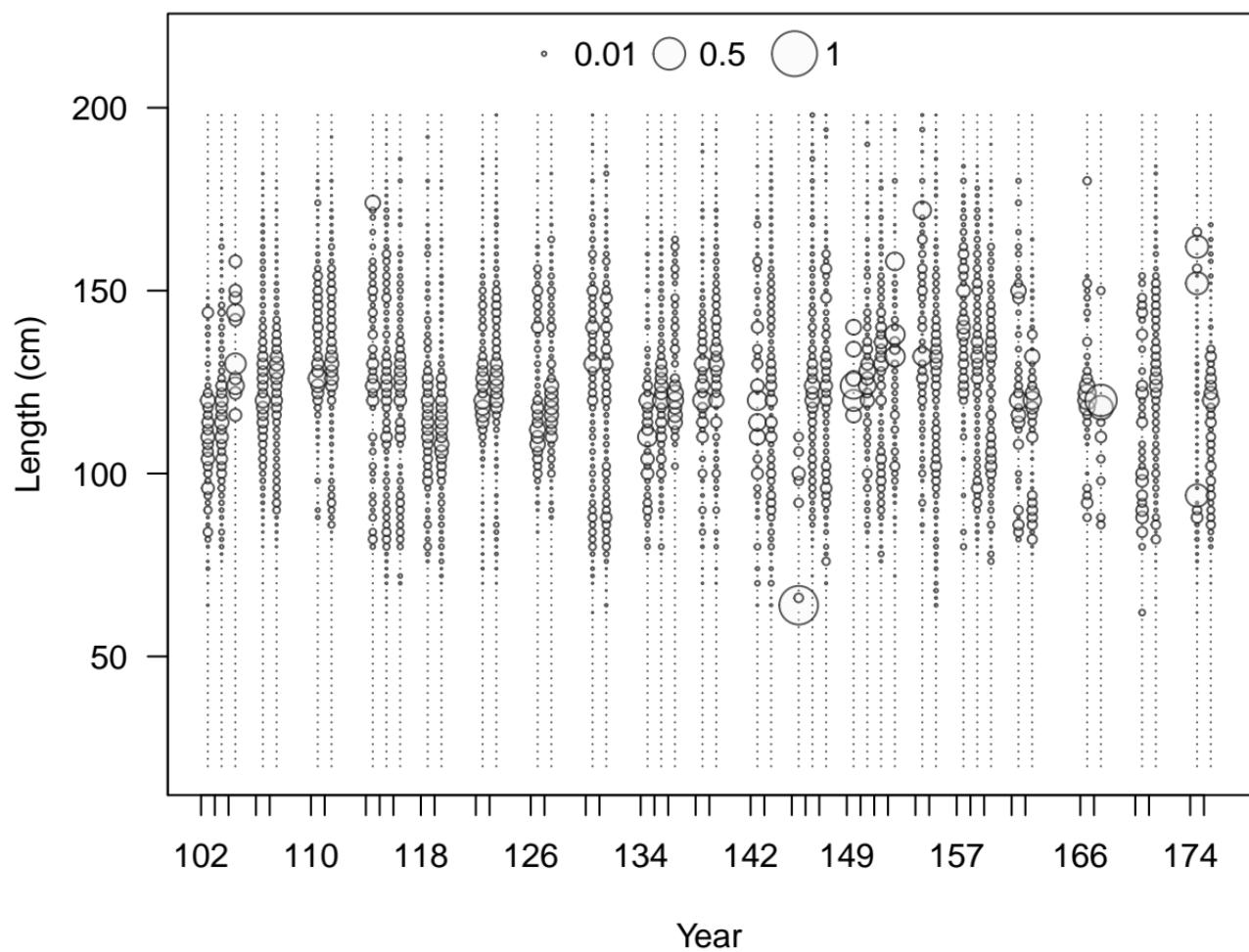


Proportion

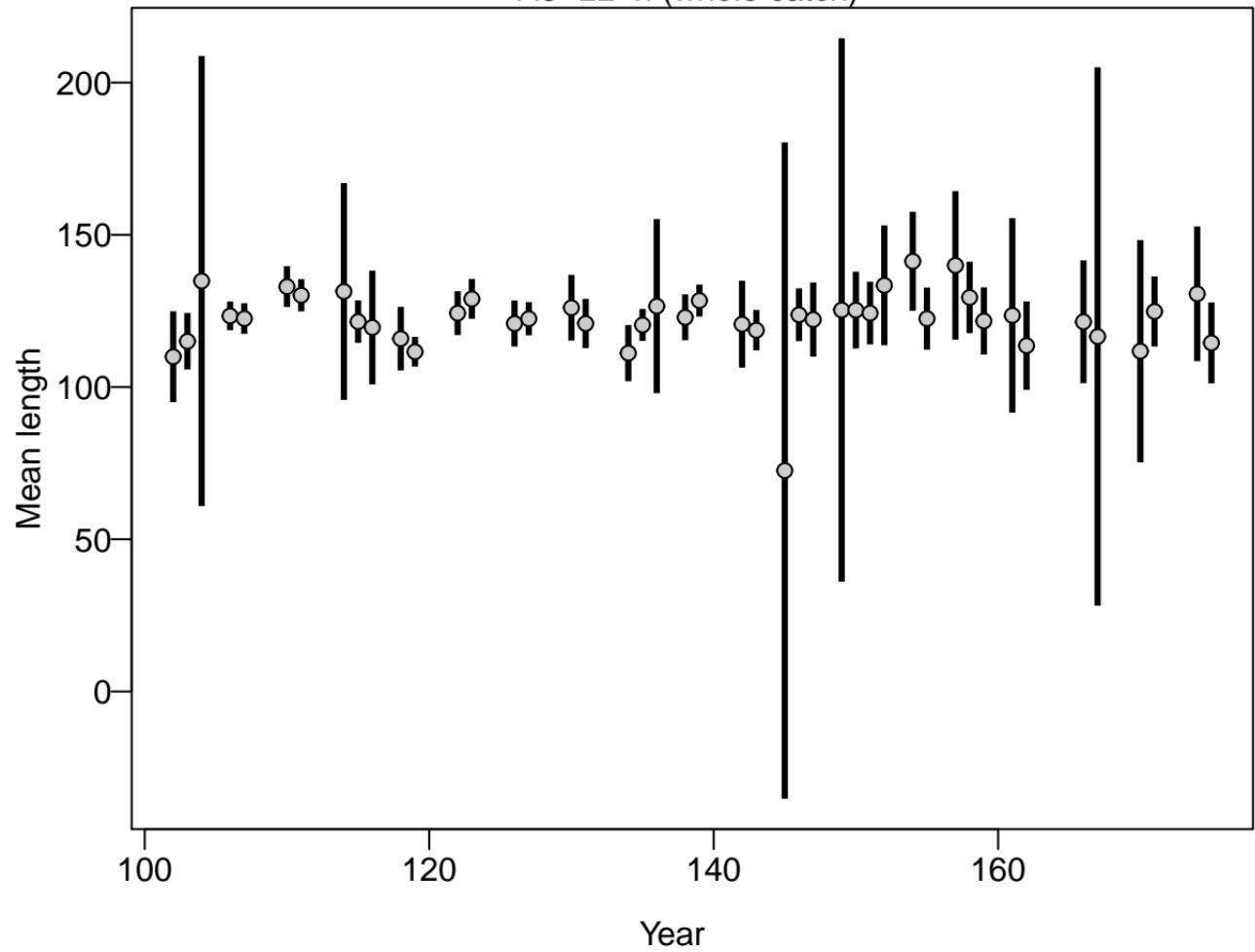


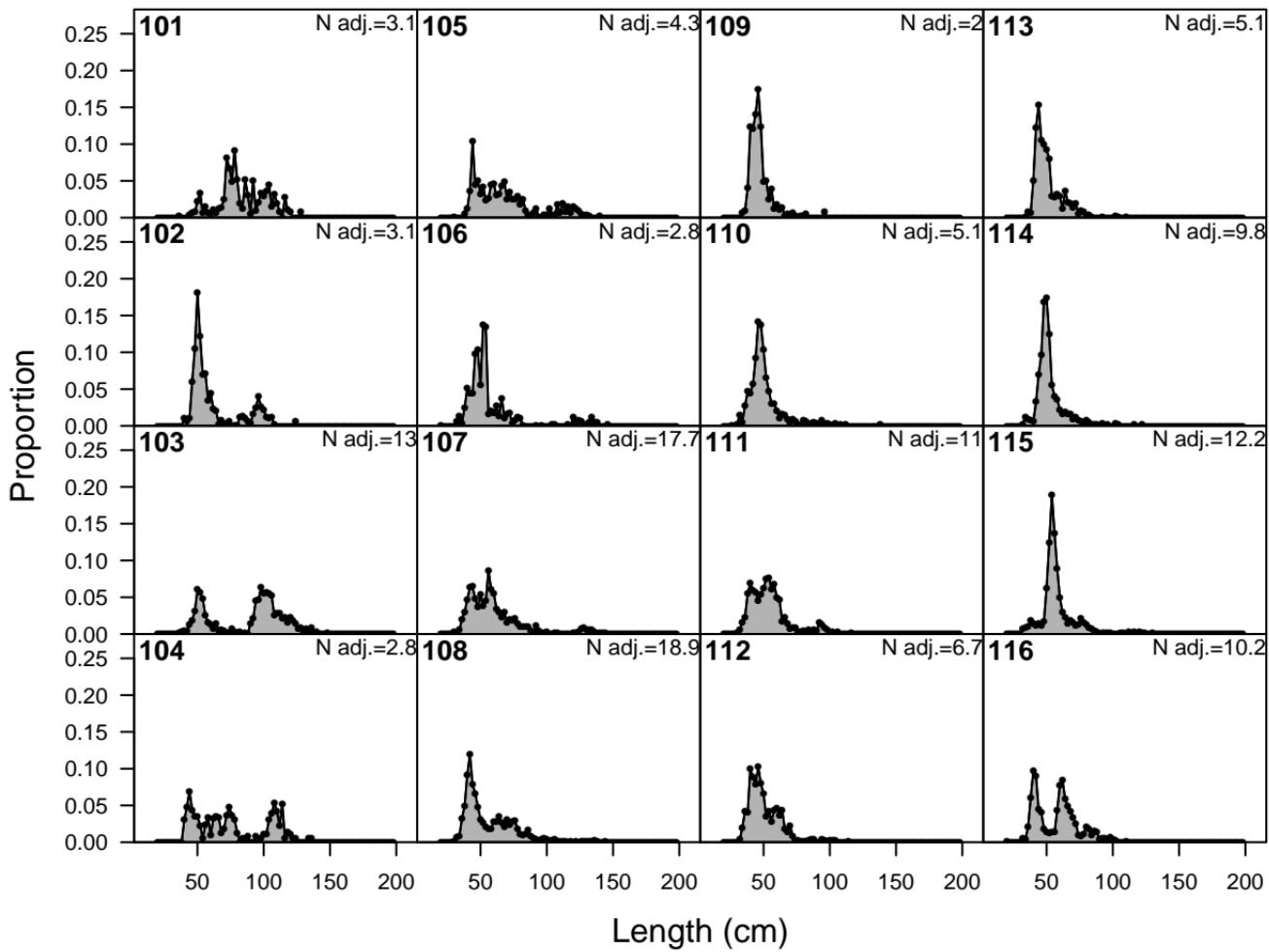
Proportion

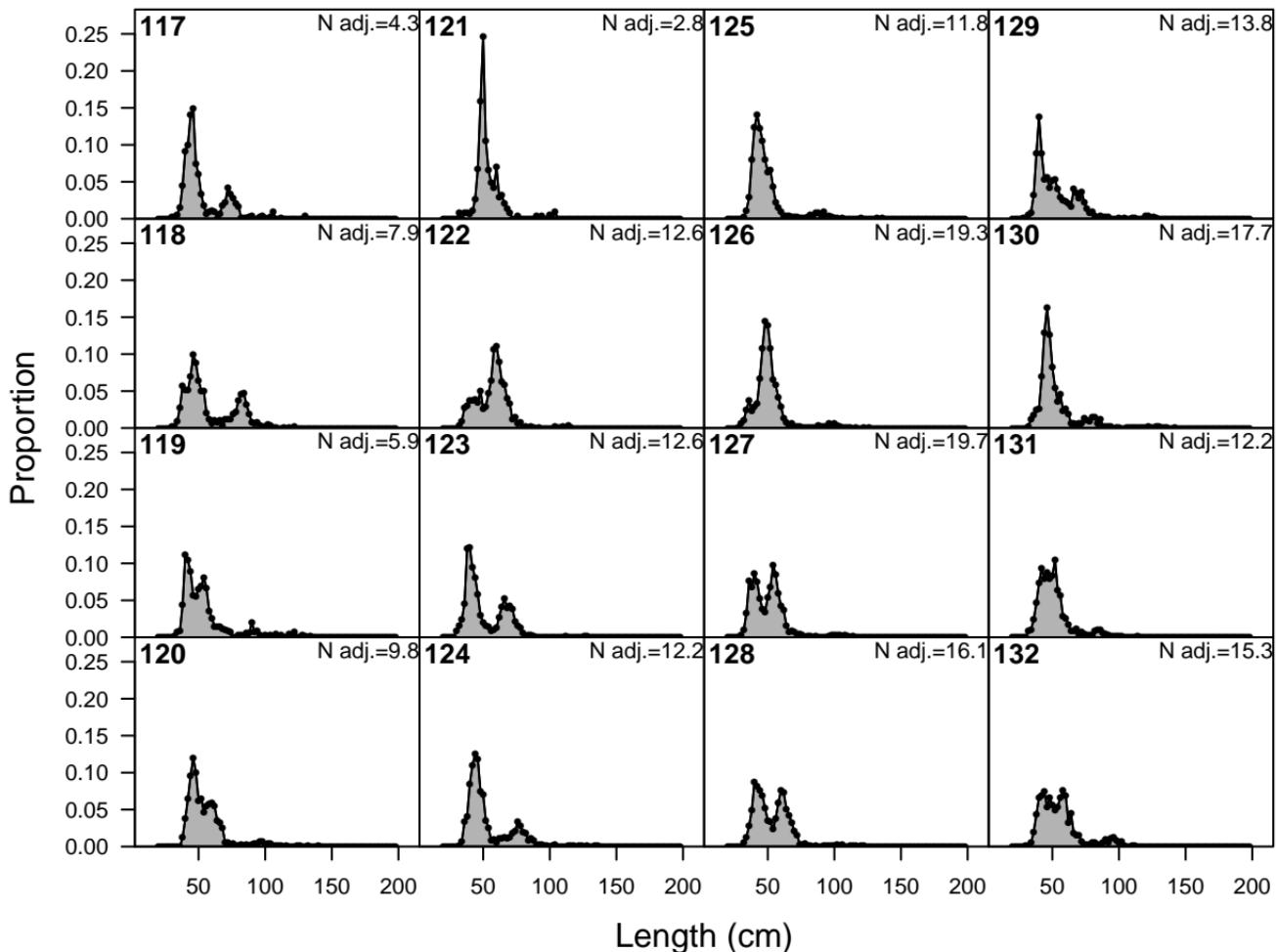


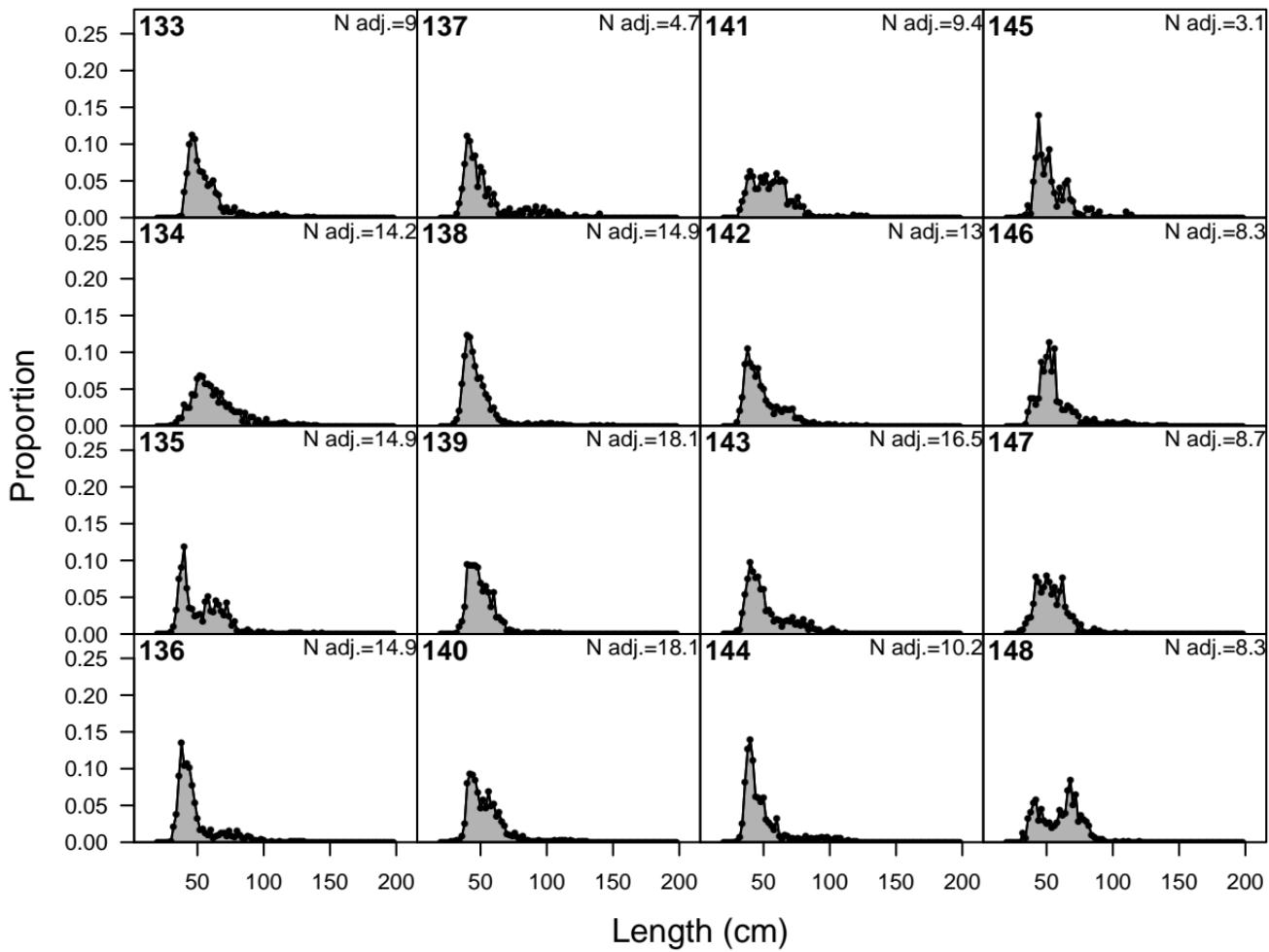


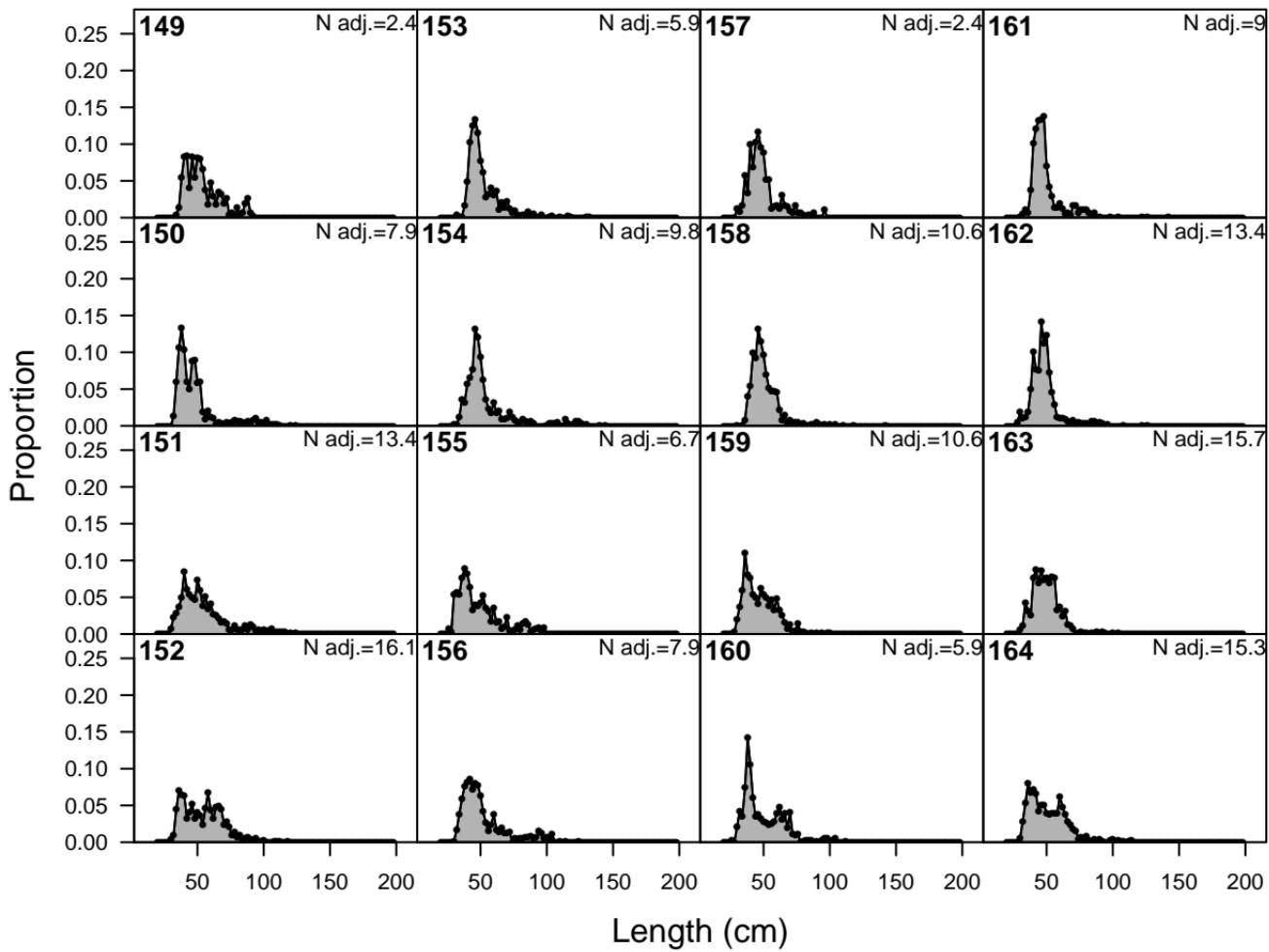
### A6-LL-n (whole catch)

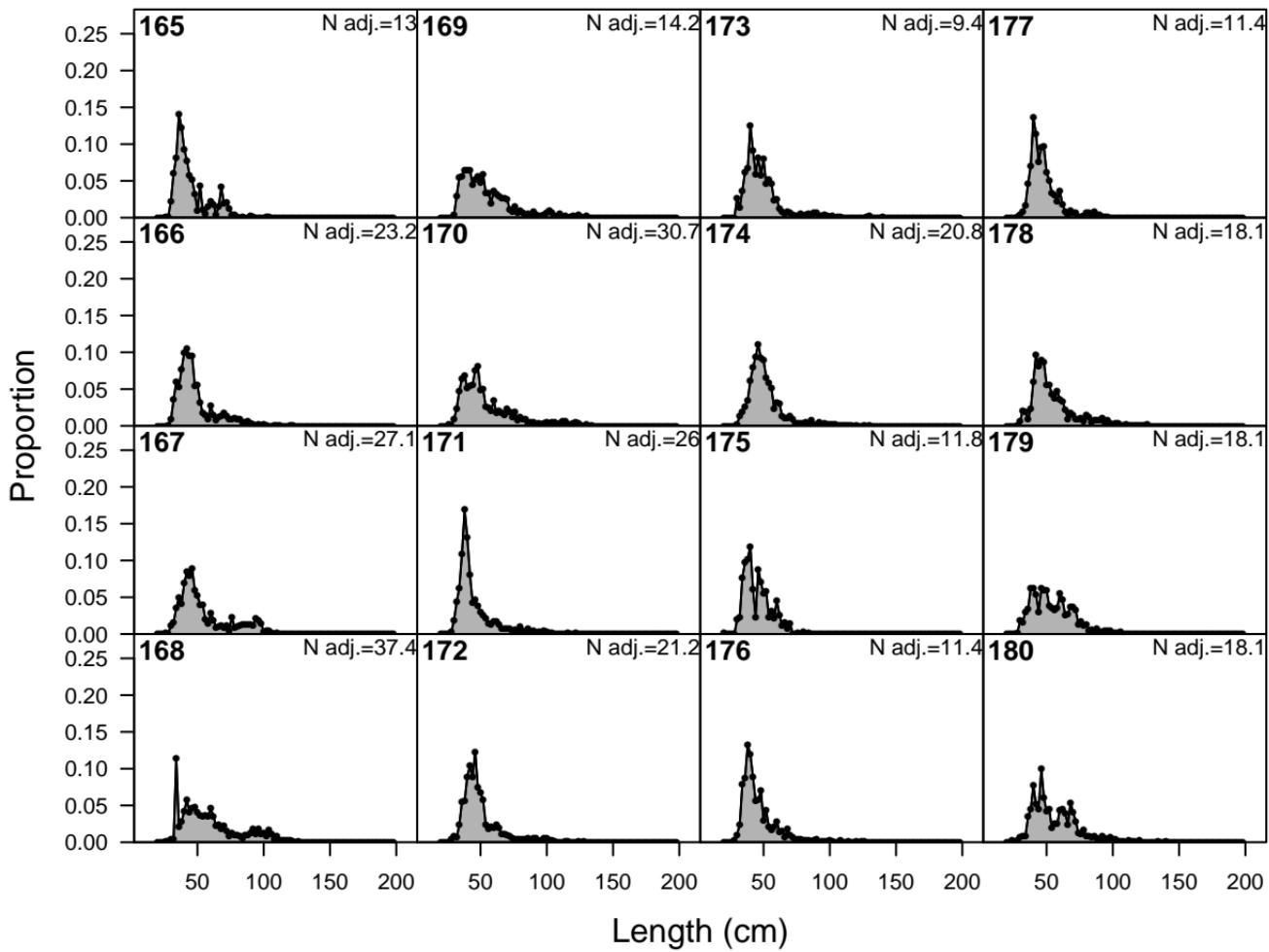


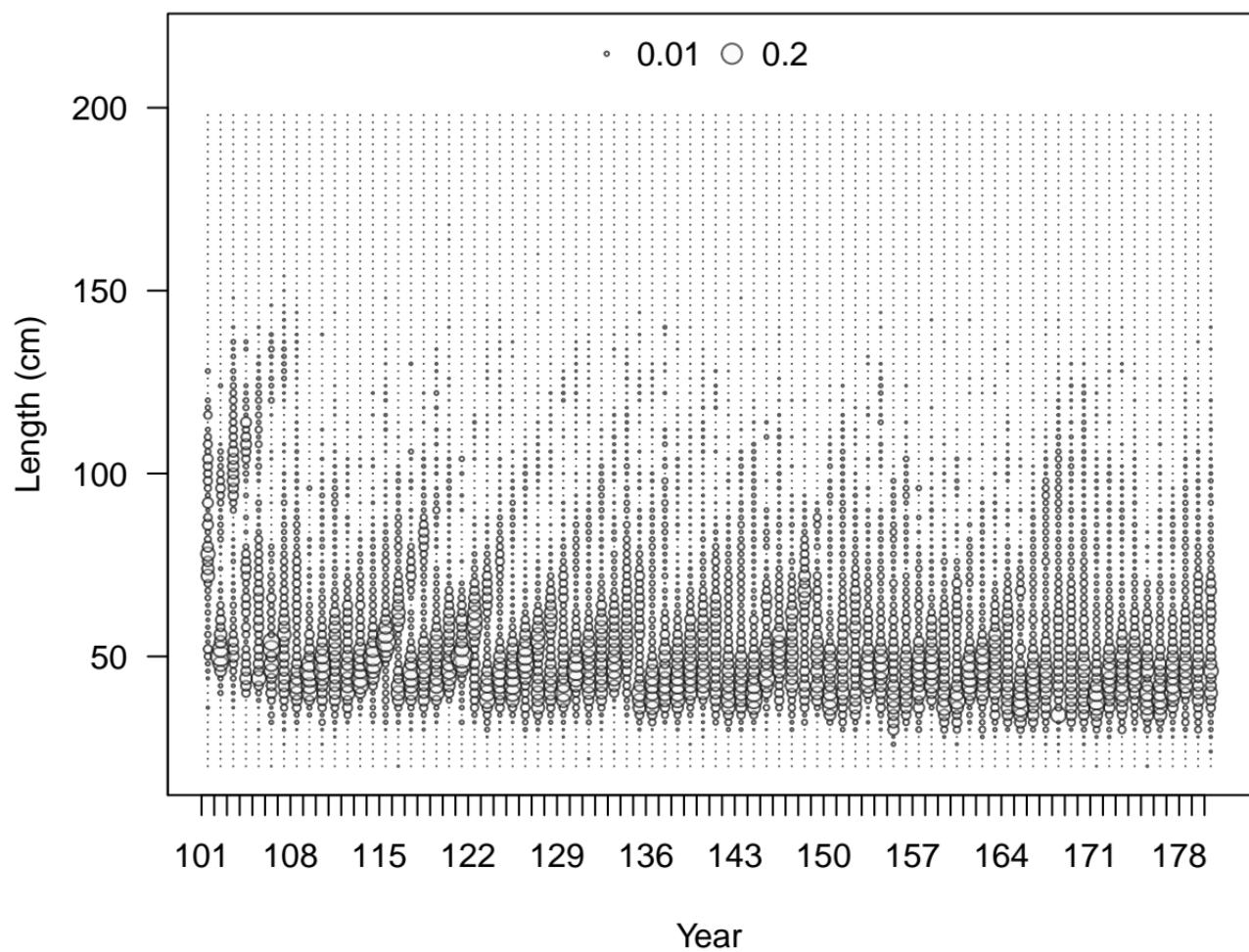




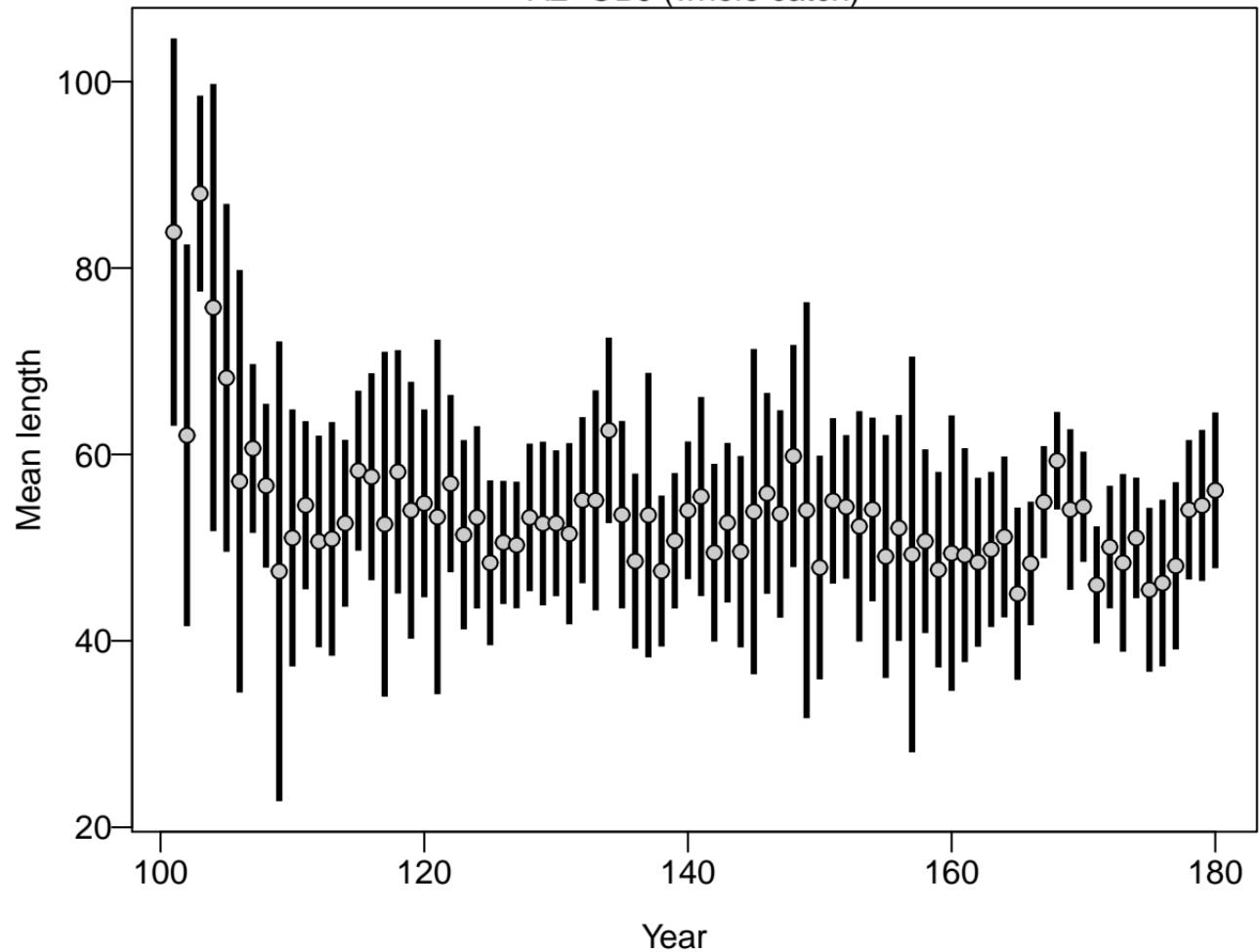




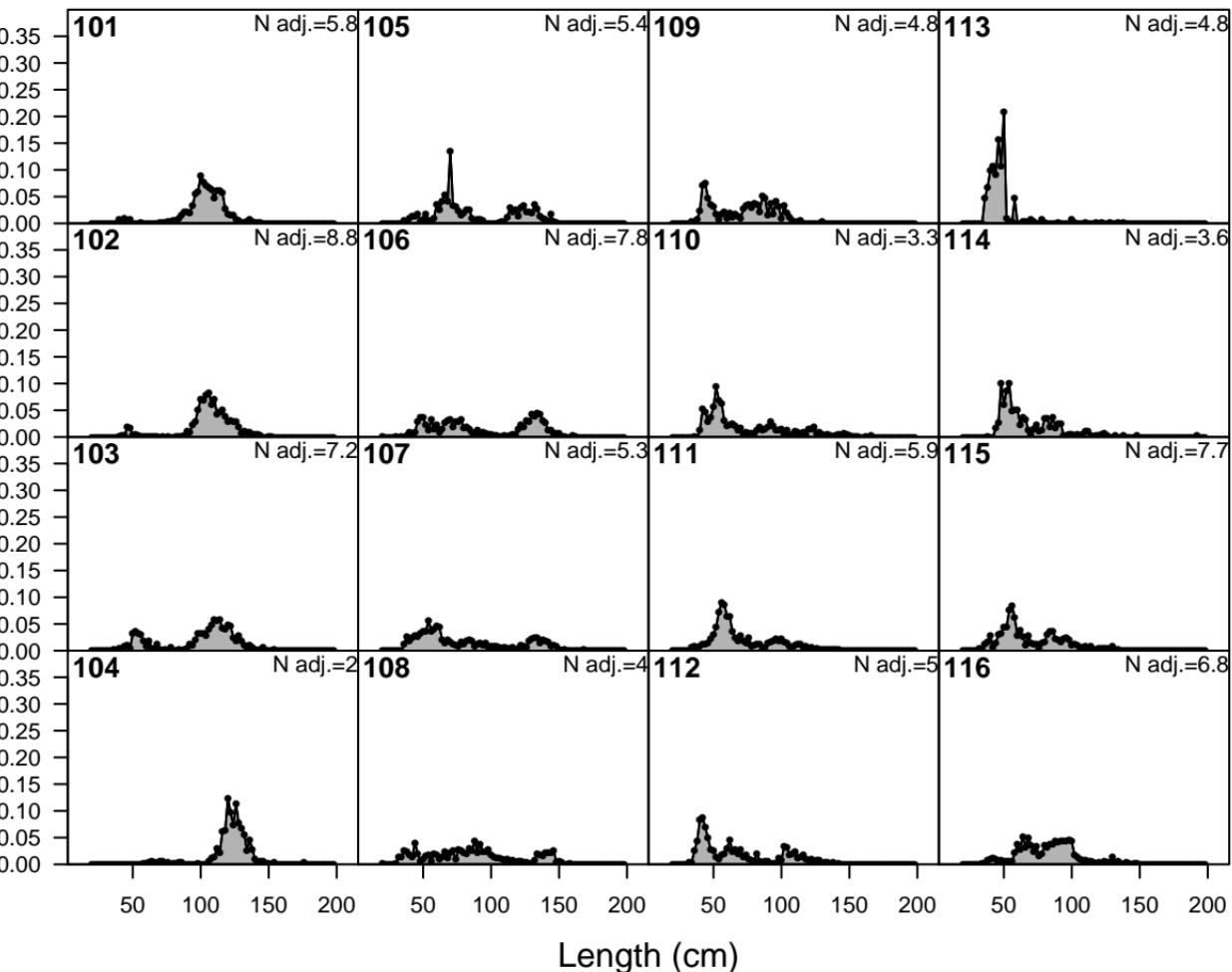




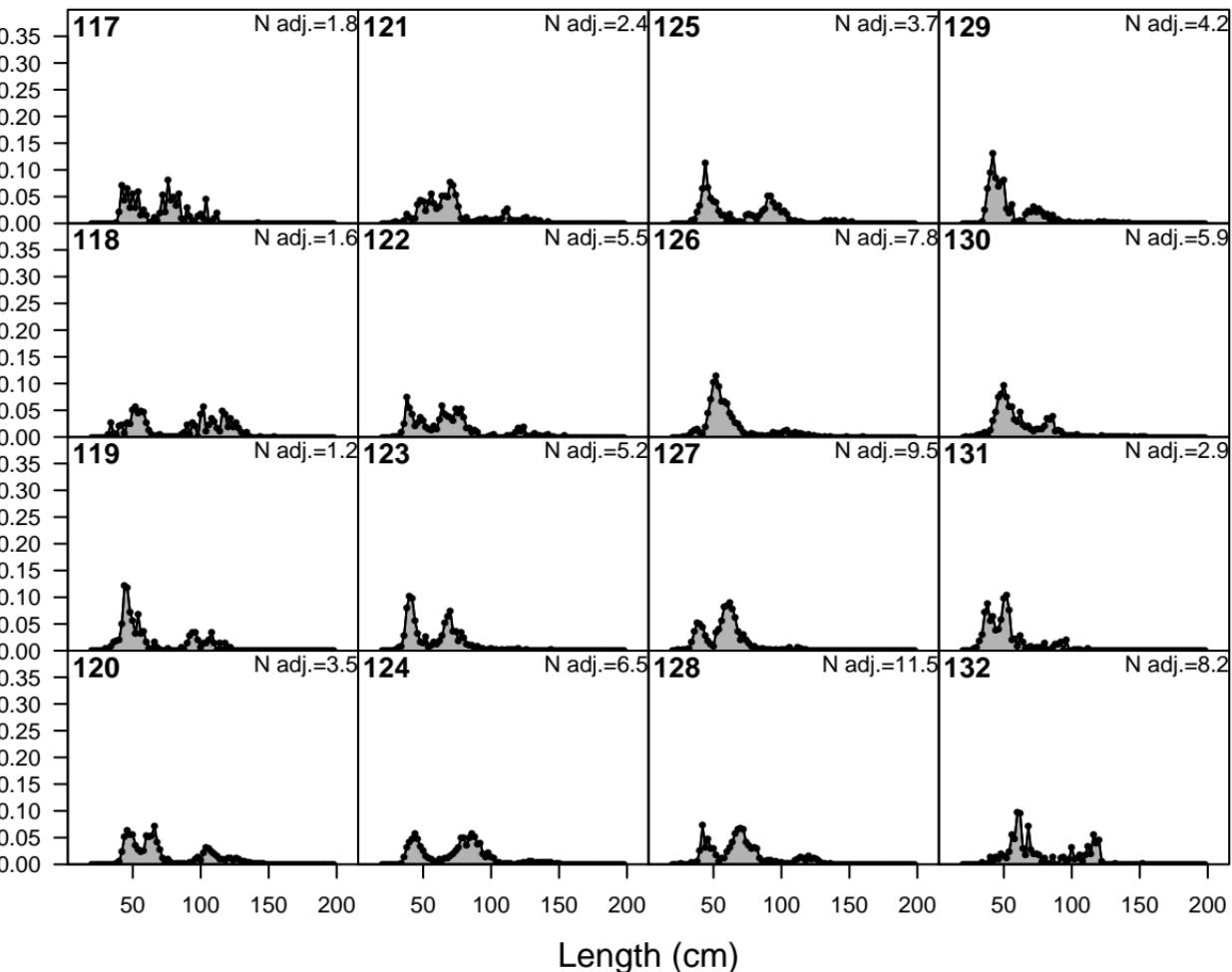
# A2-OBJ (whole catch)



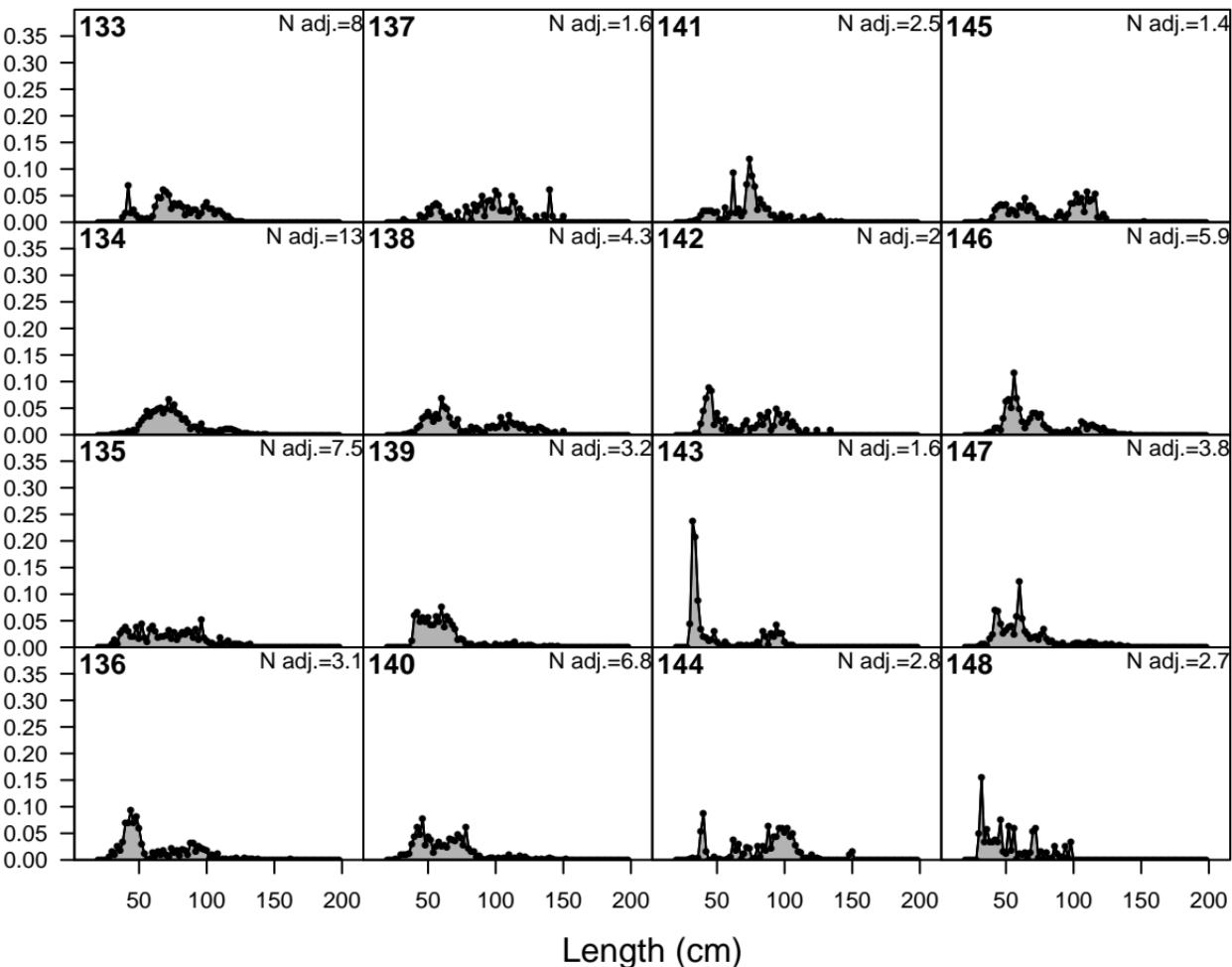
Proportion



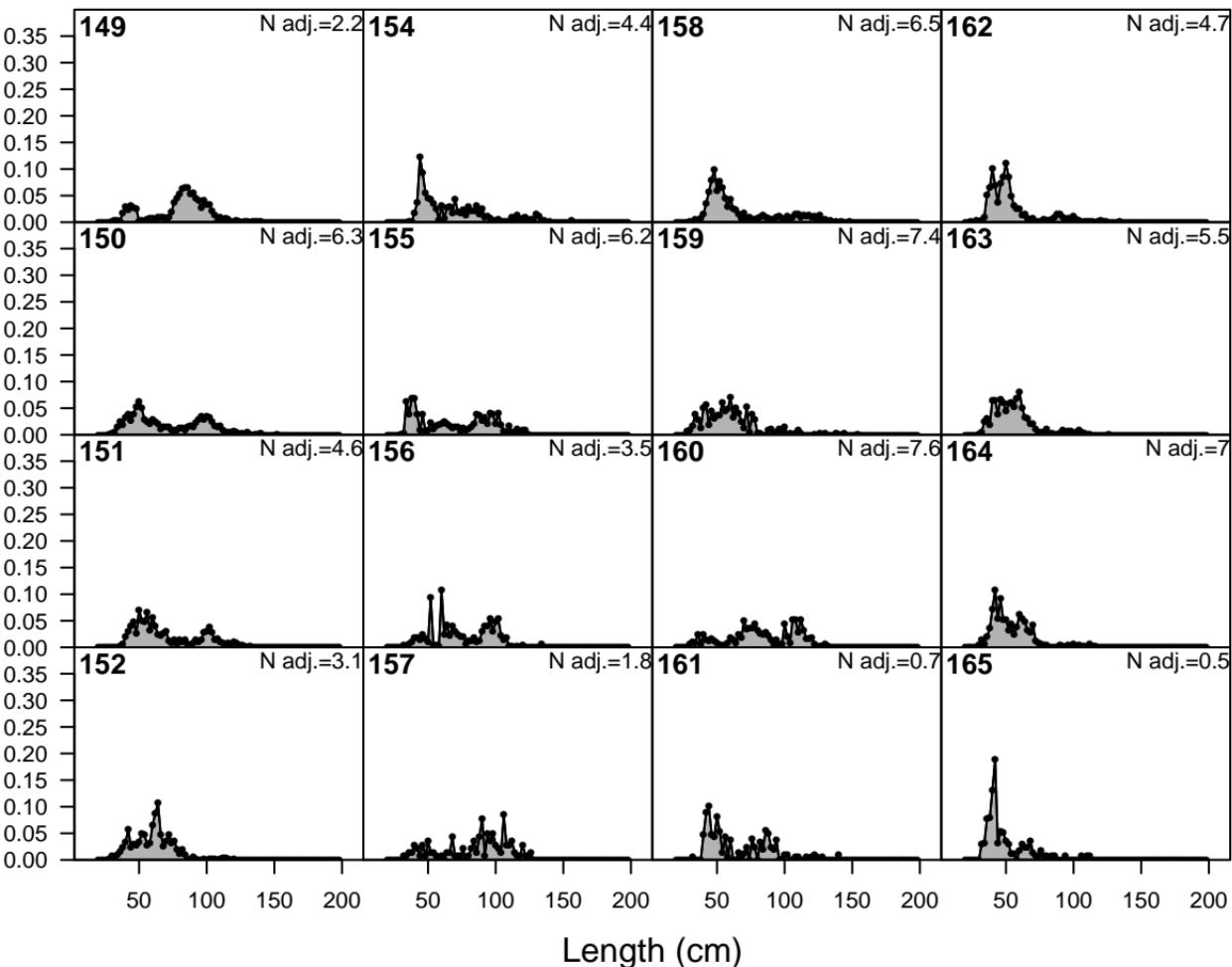
Proportion



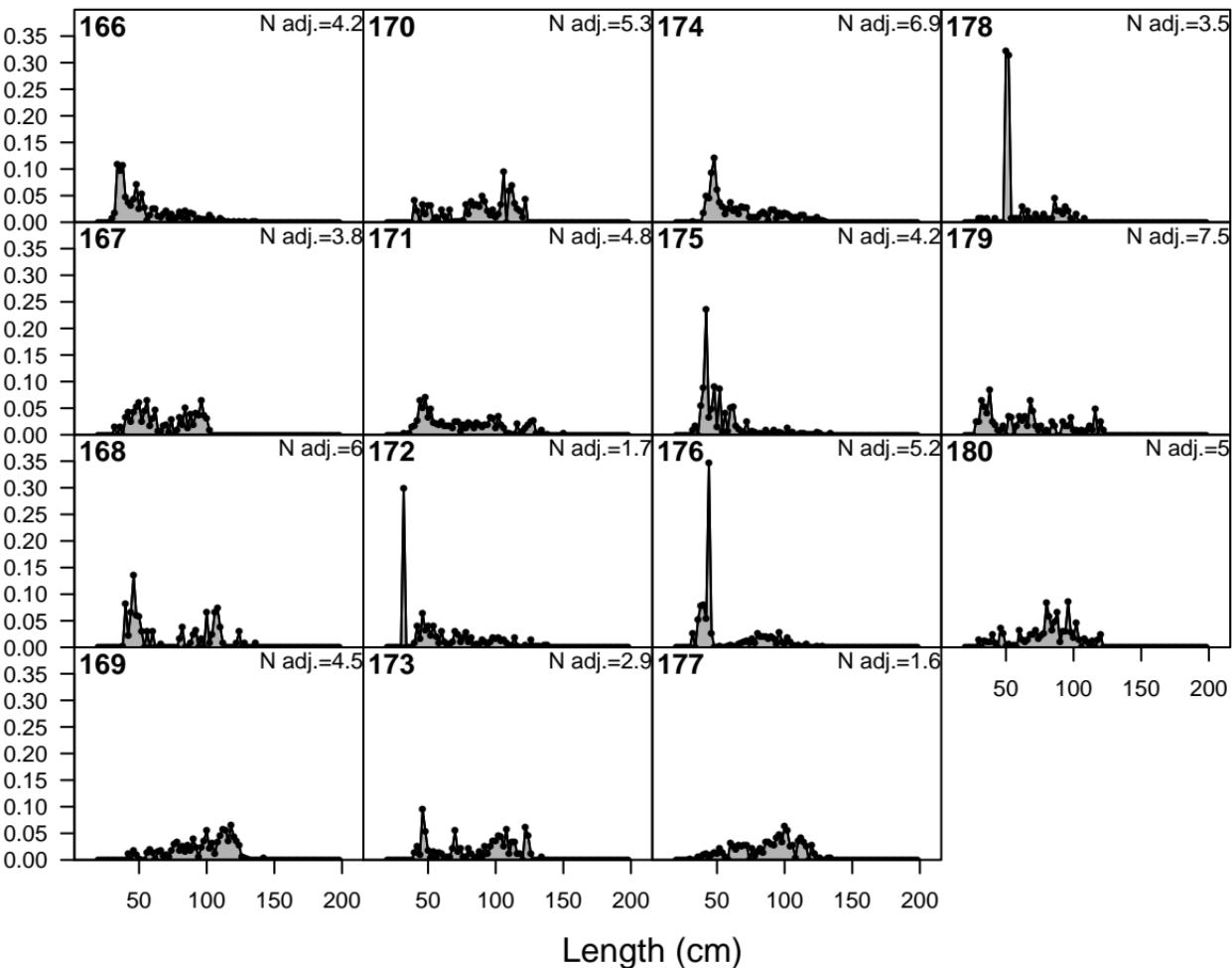
Proportion

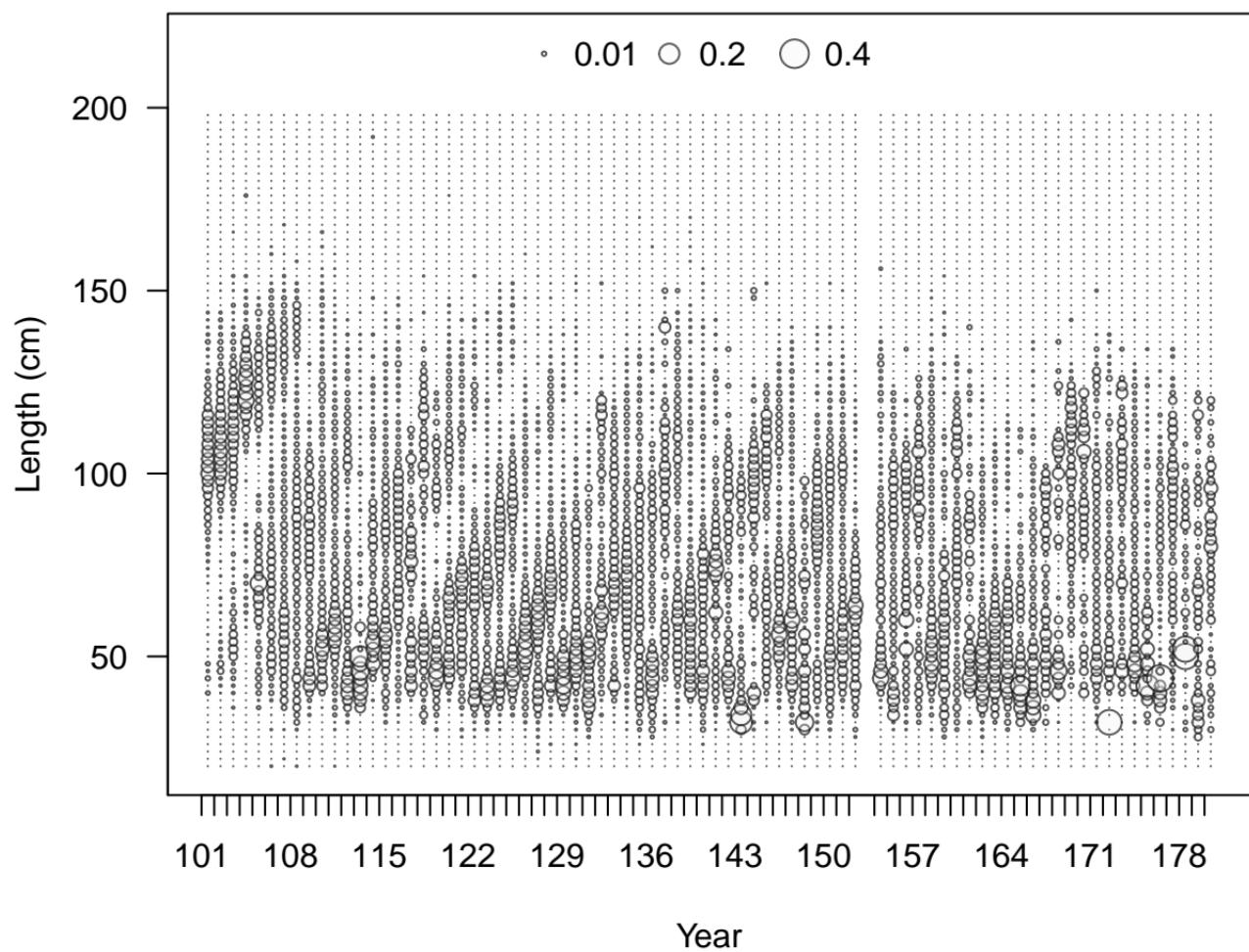


Proportion

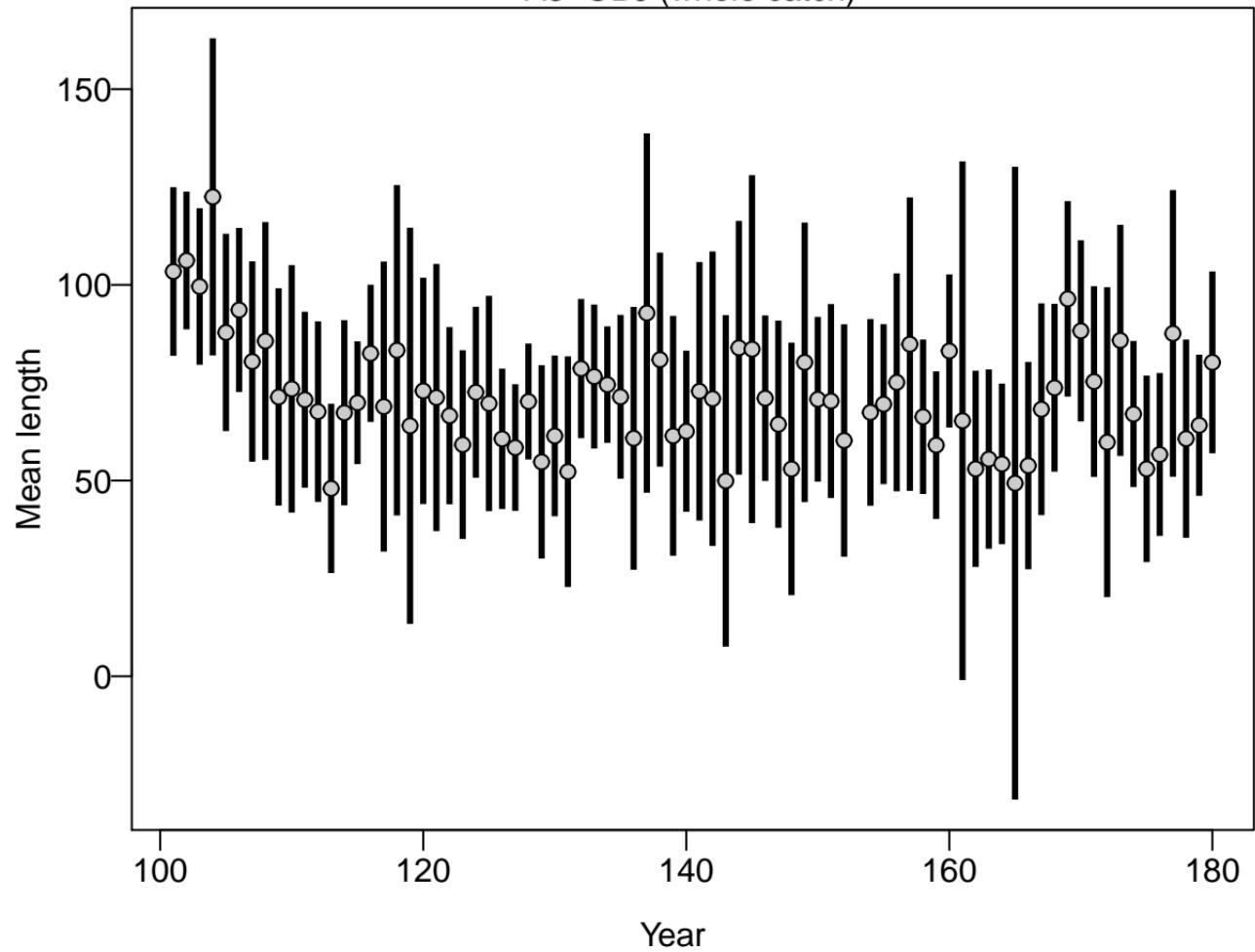


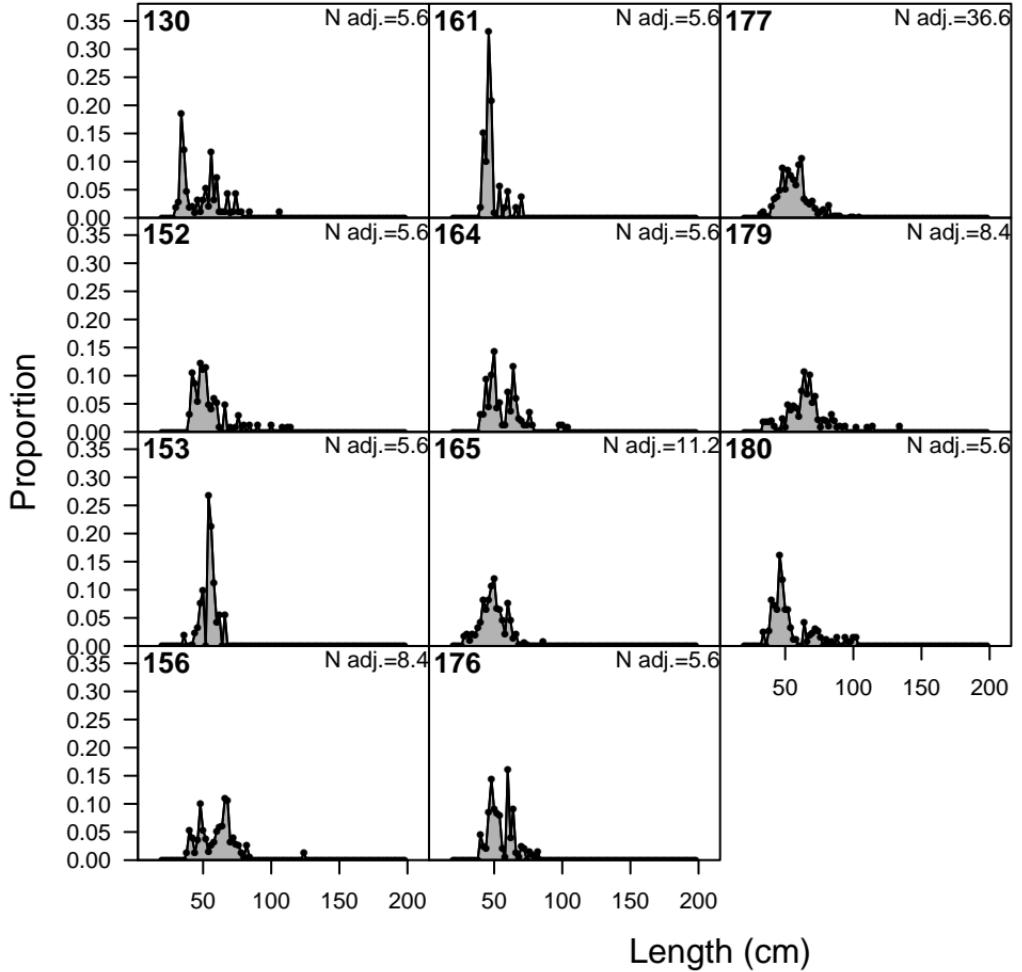
Proportion

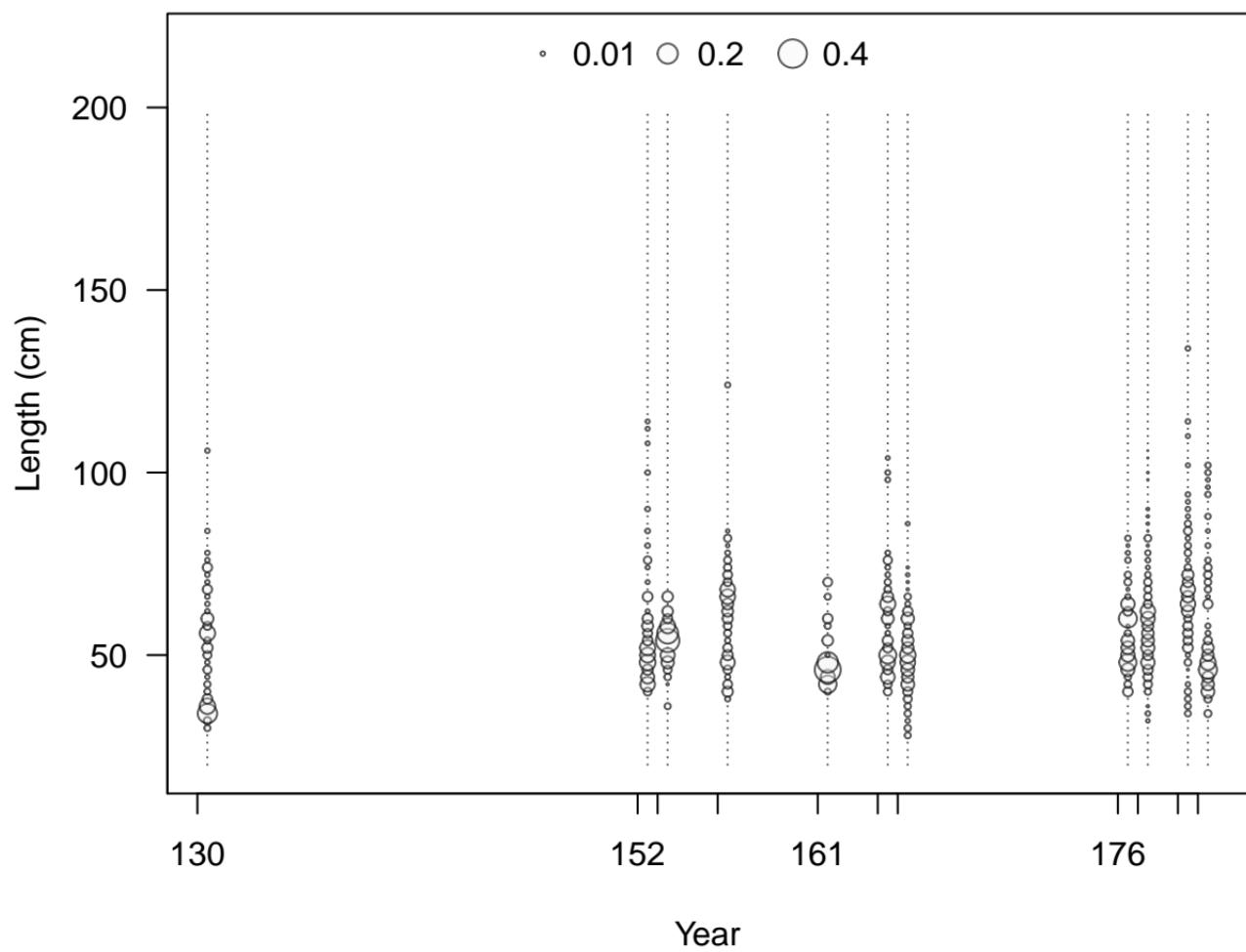




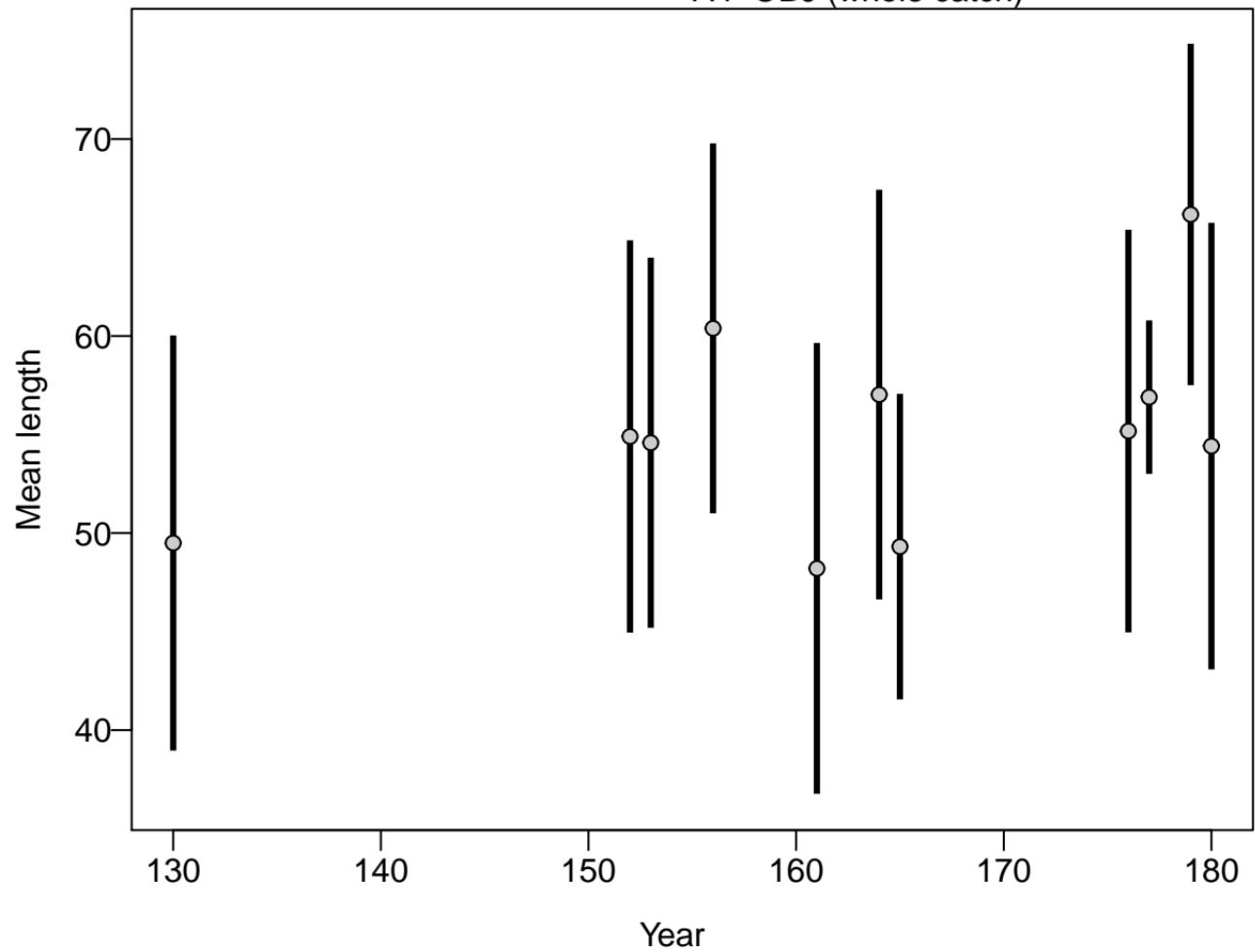
### A3-OBJ (whole catch)

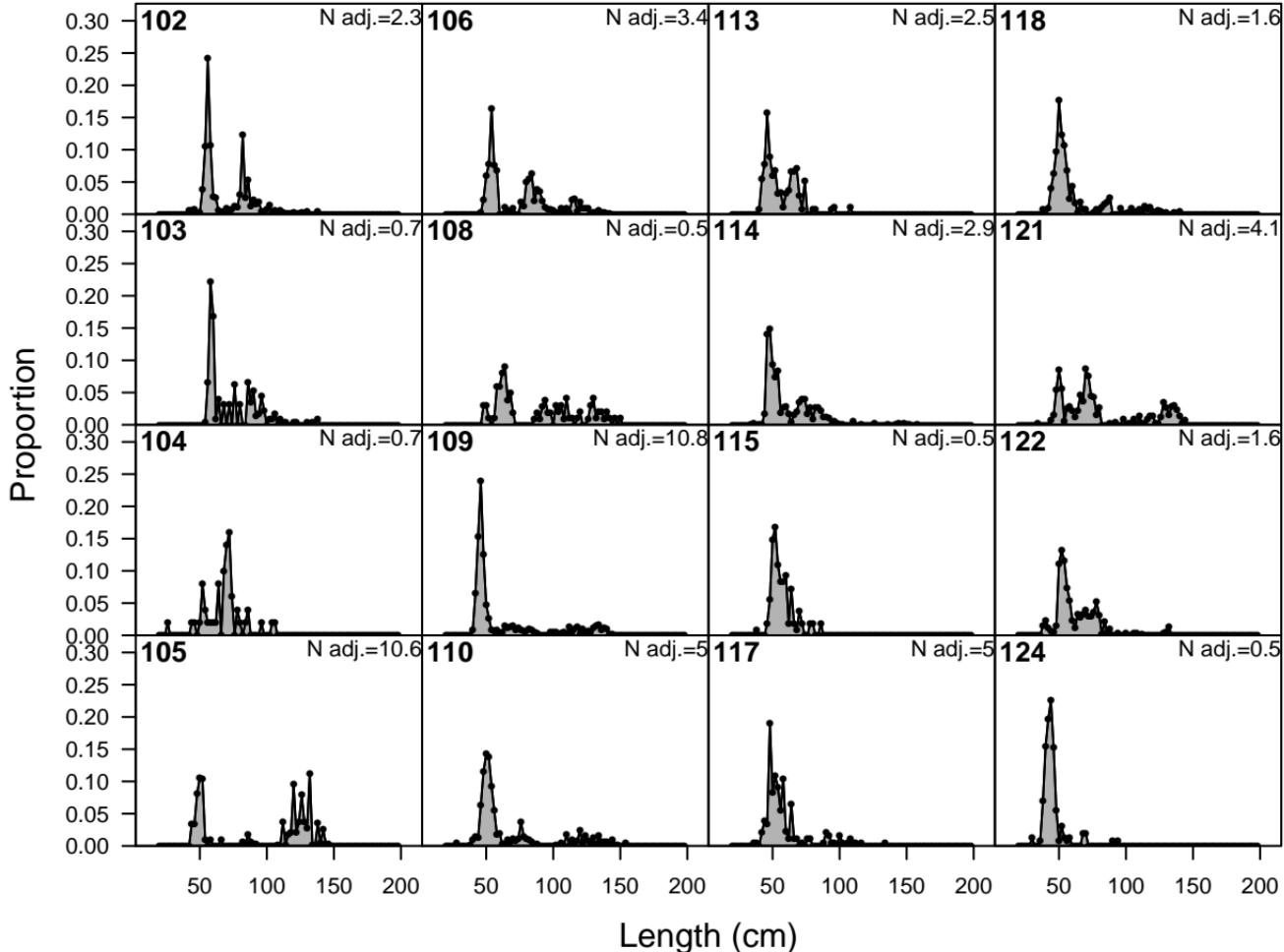


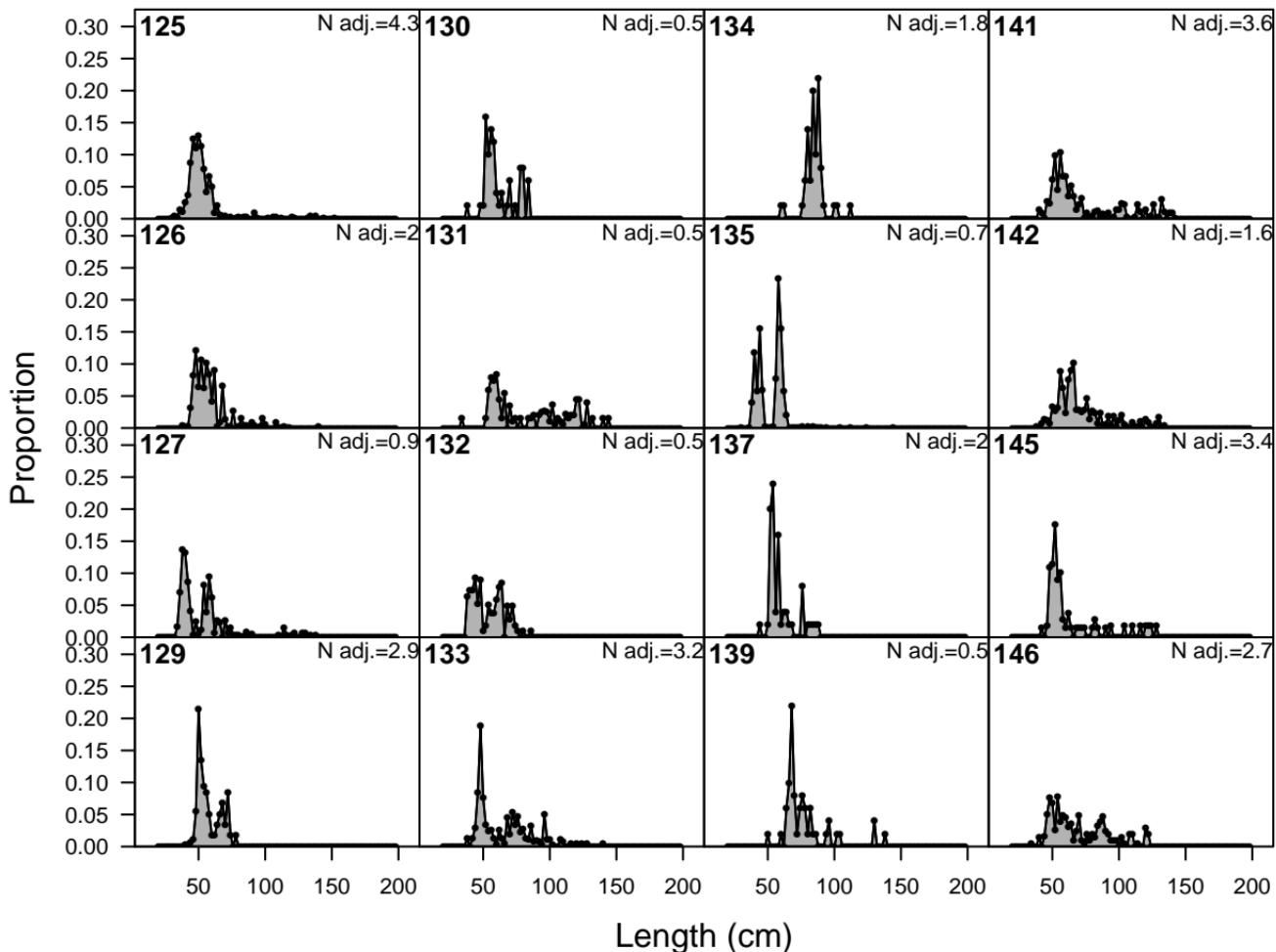


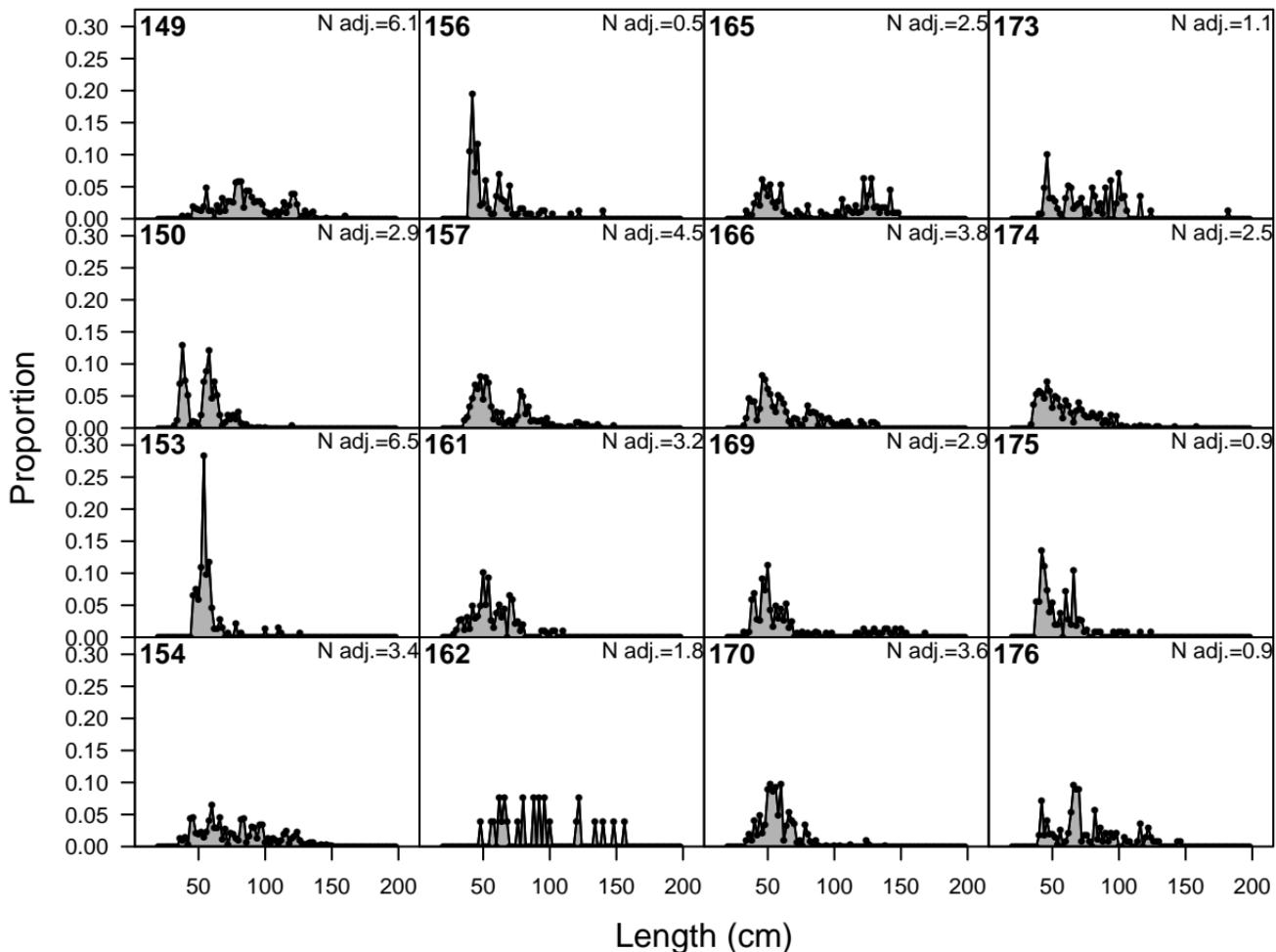


### A4-OBJ (whole catch)

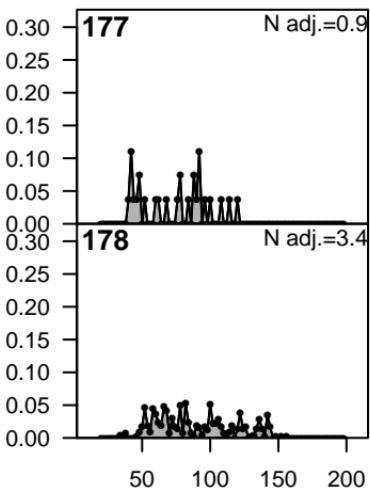


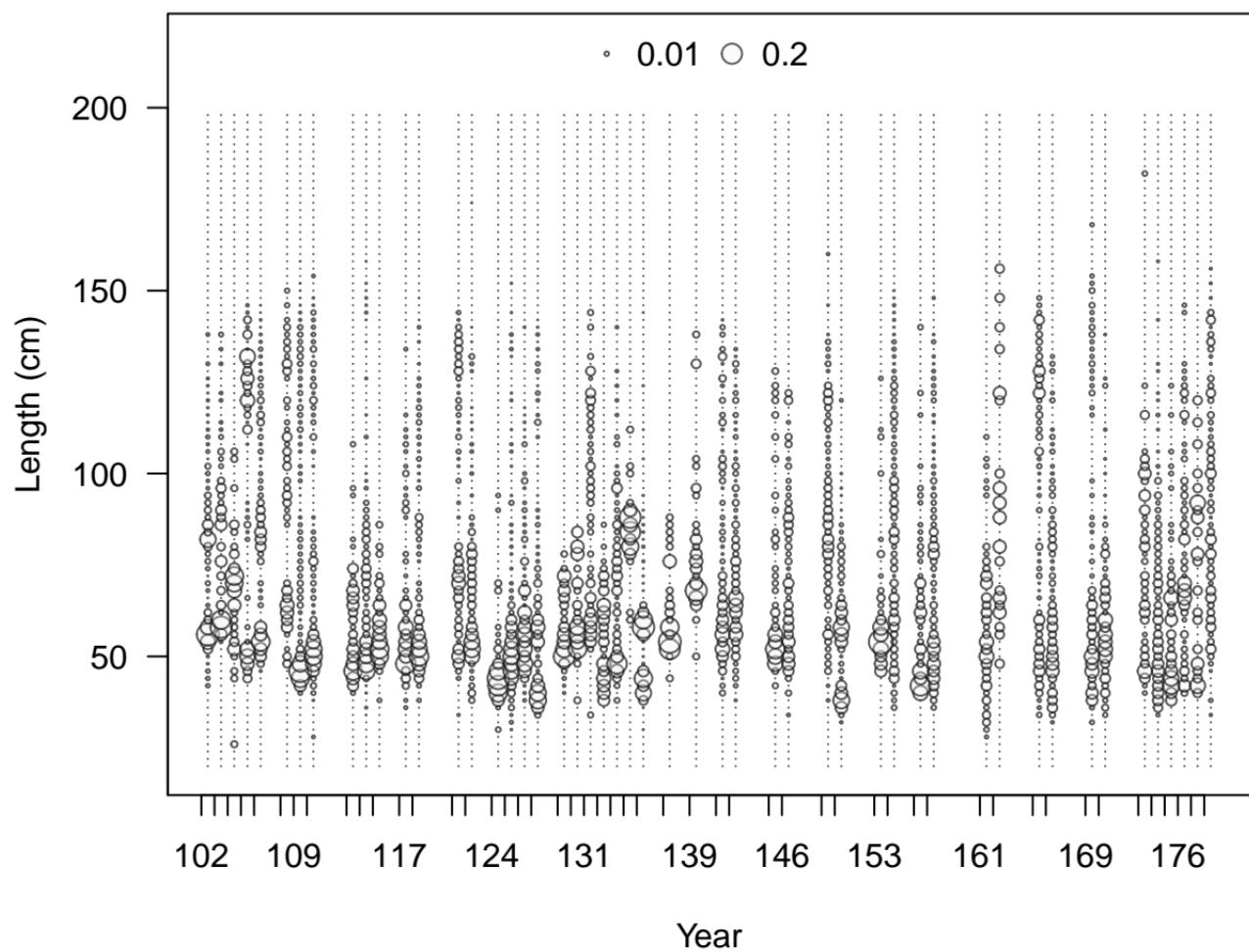




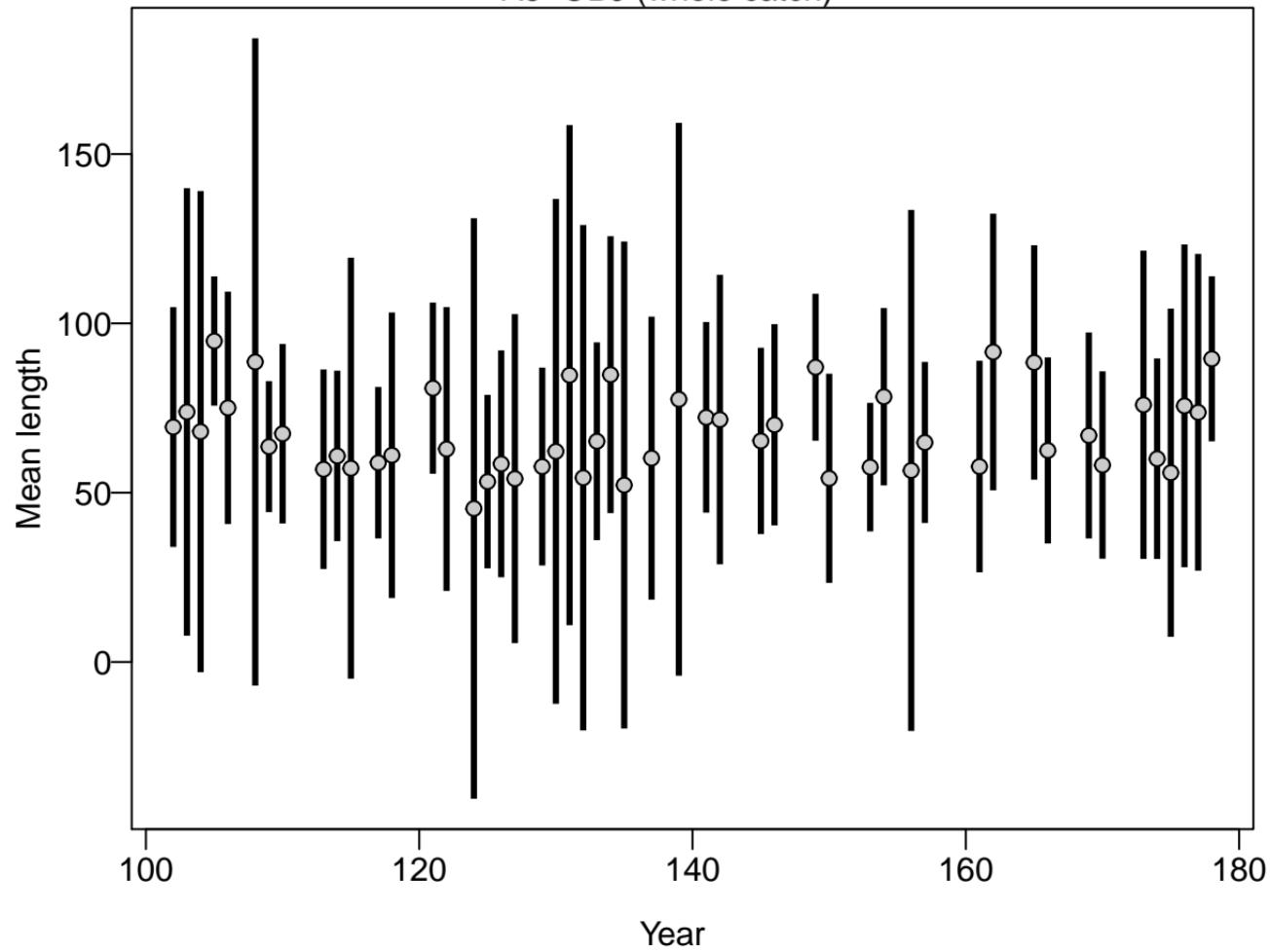


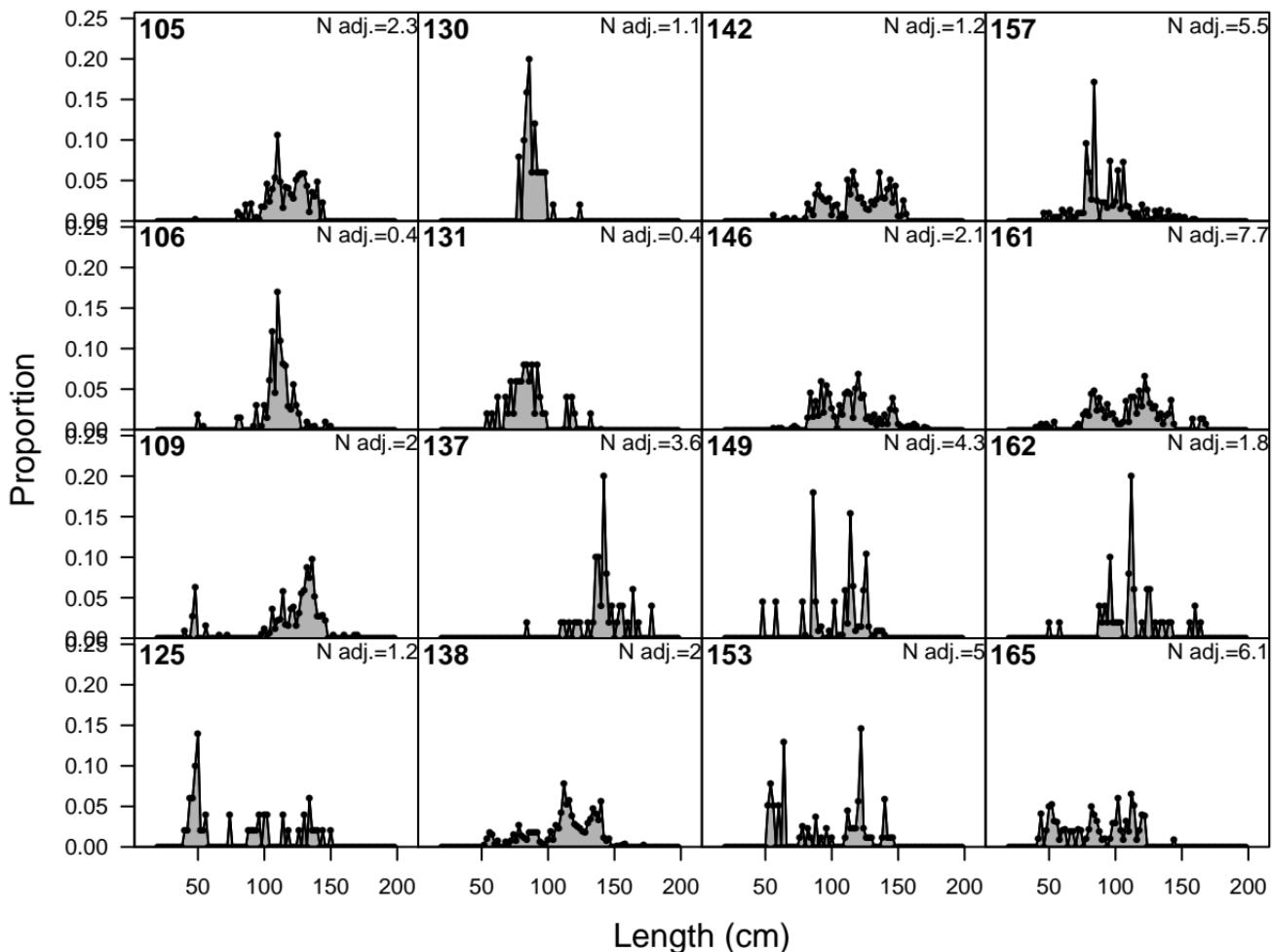
Proportion

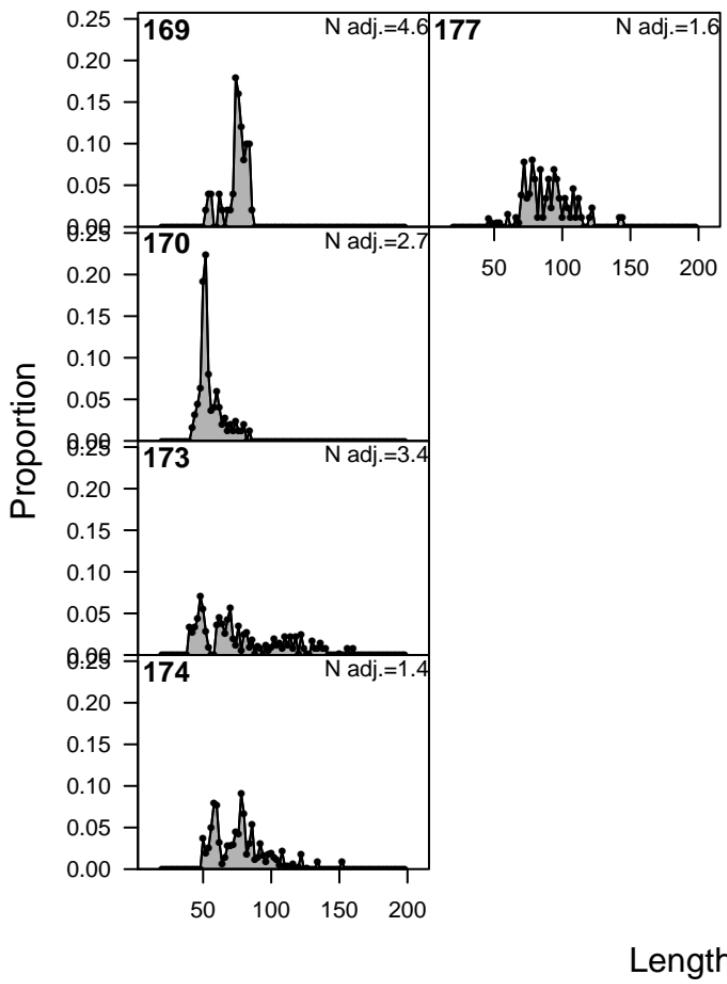


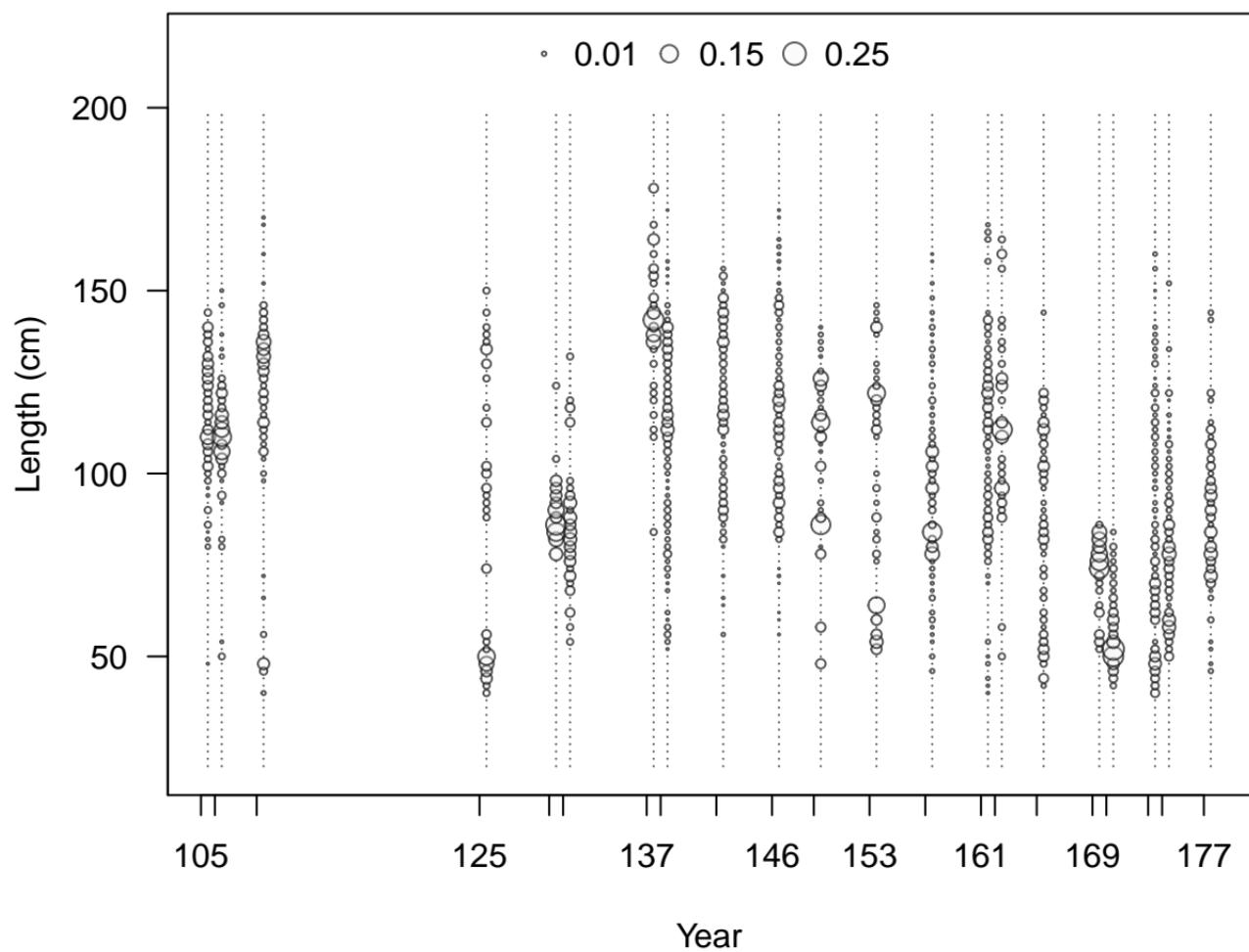


### A5-OBJ (whole catch)

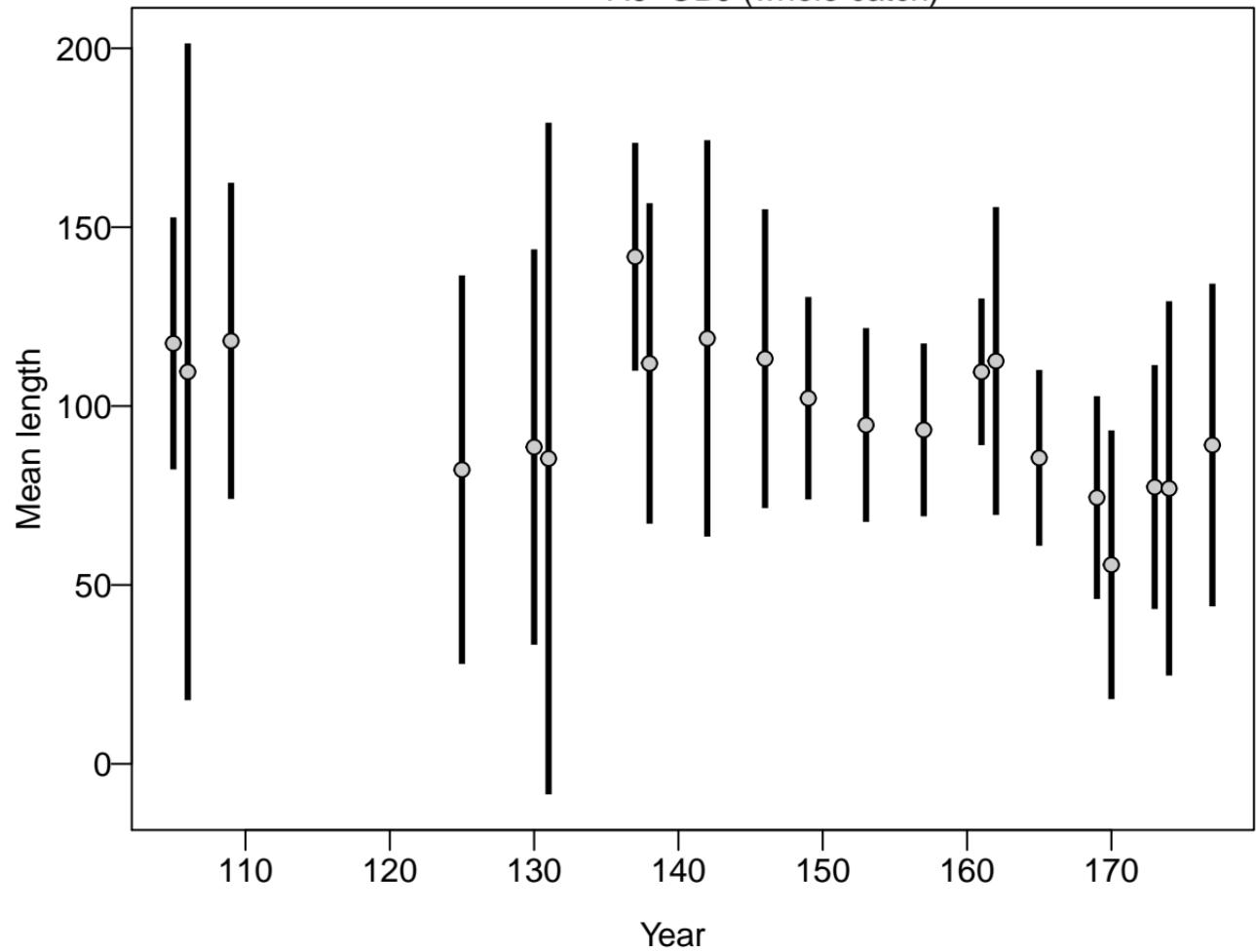


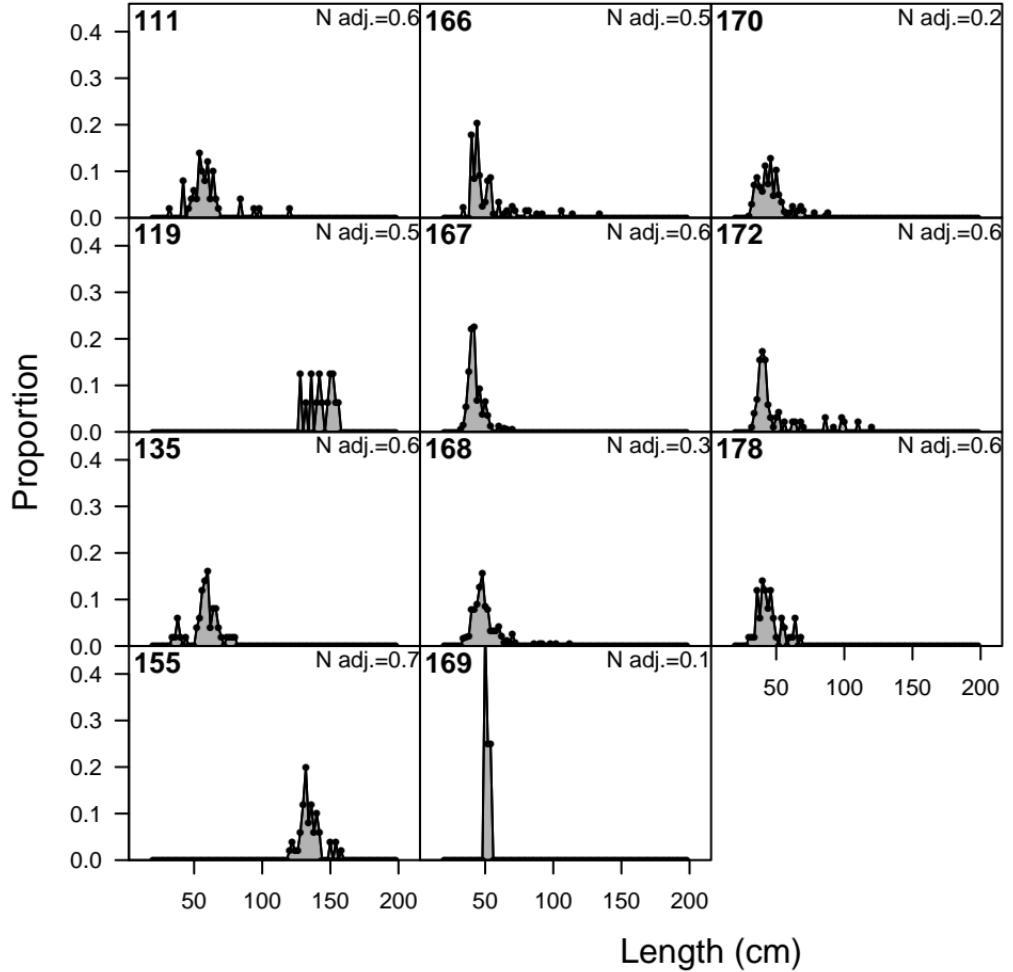


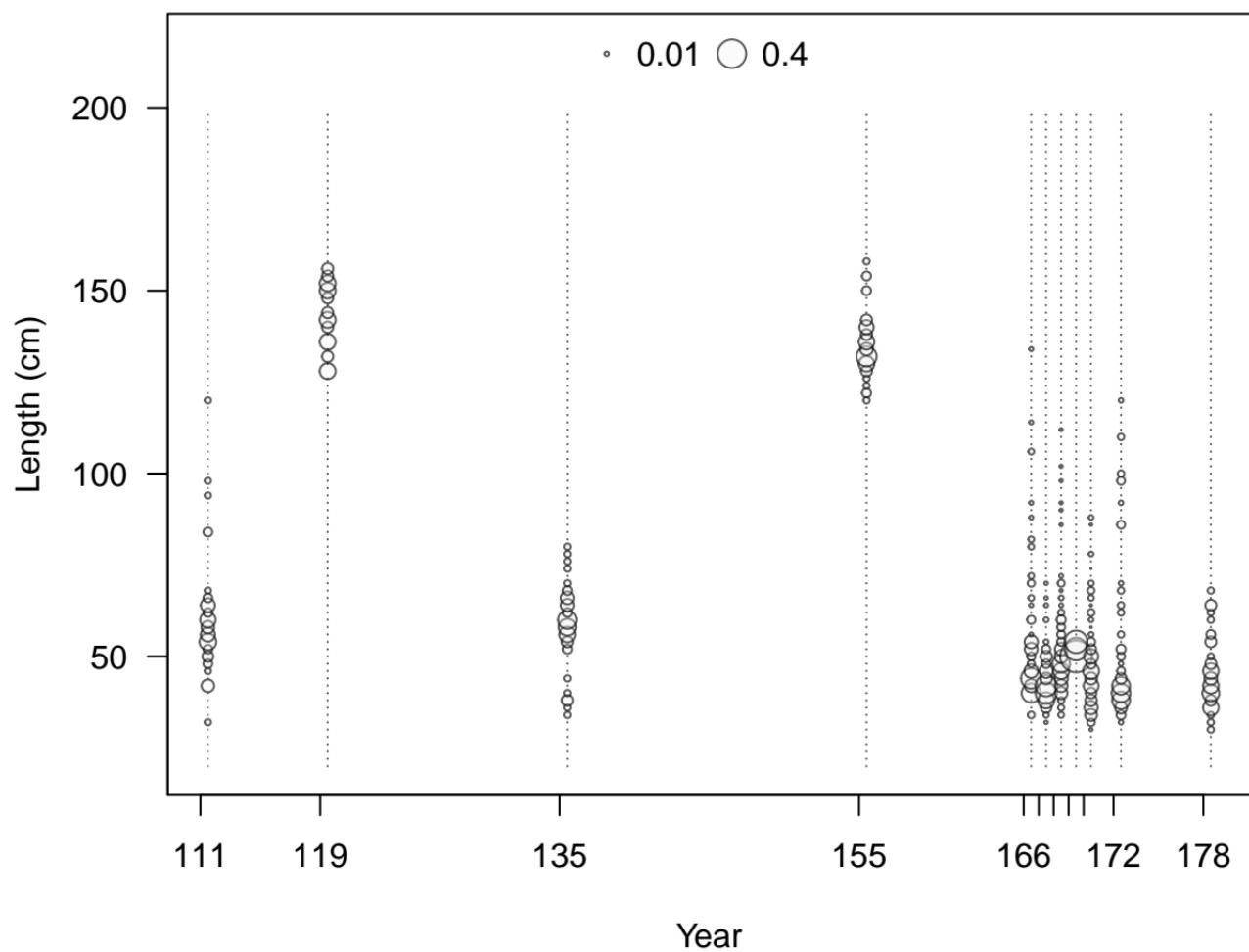




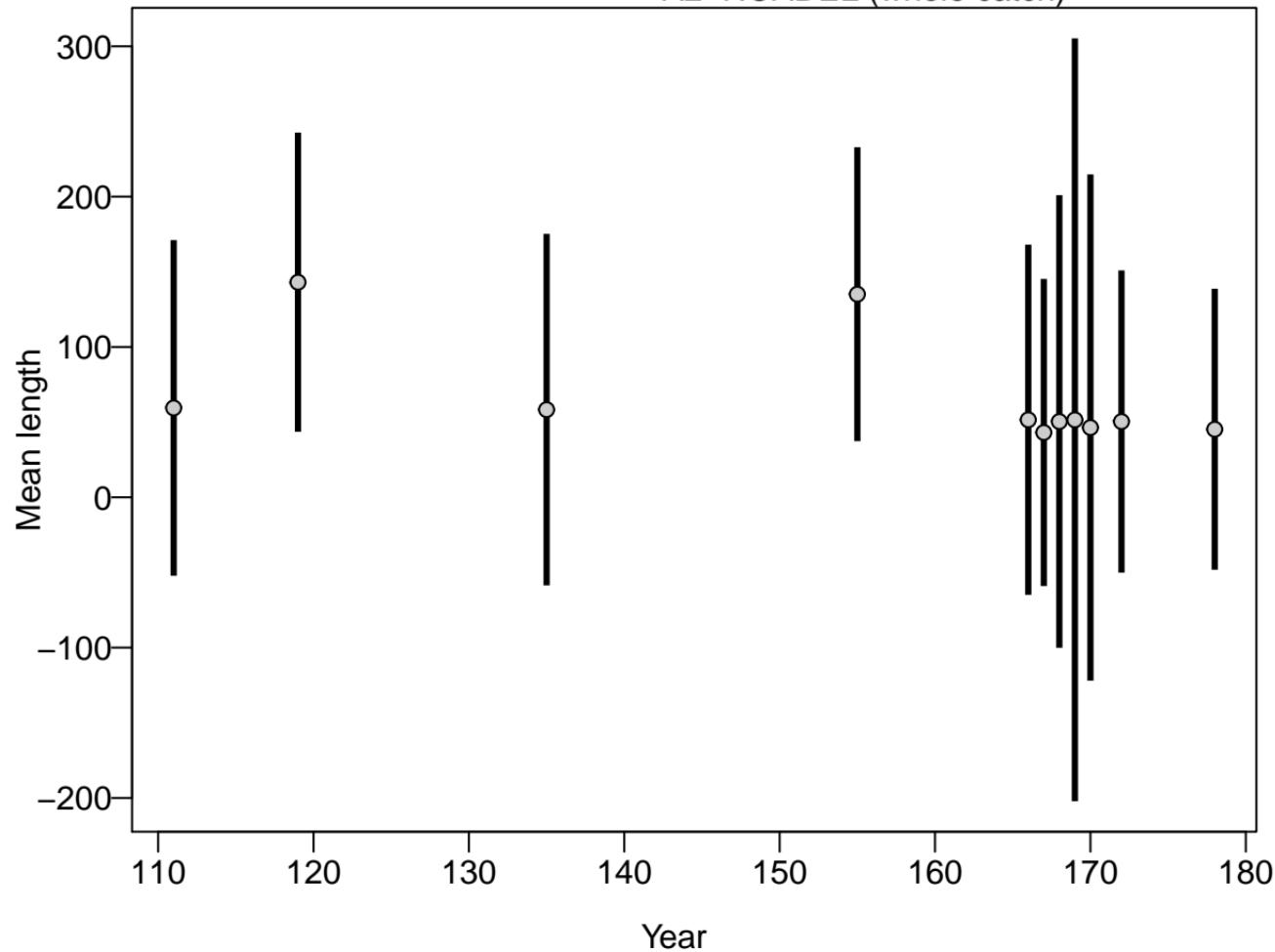
### A6-OBJ (whole catch)



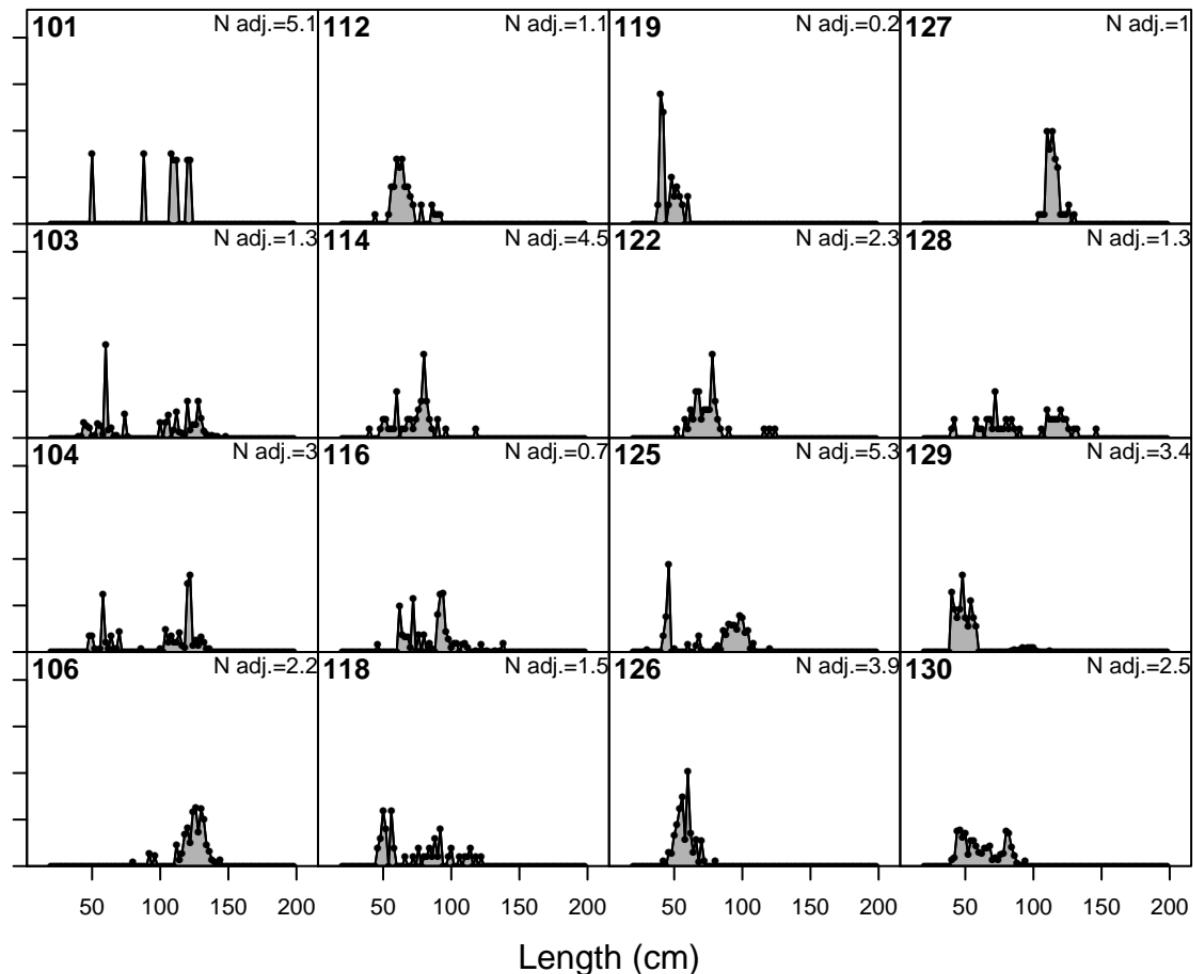


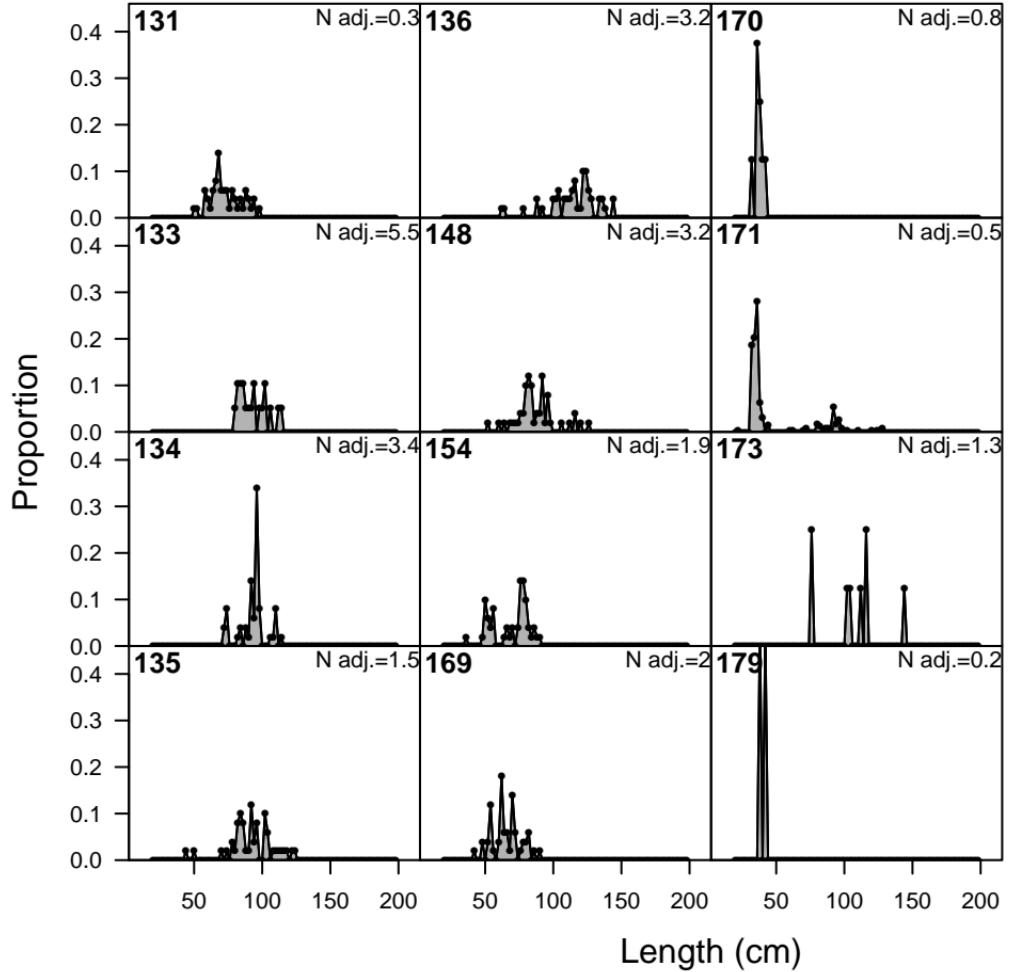


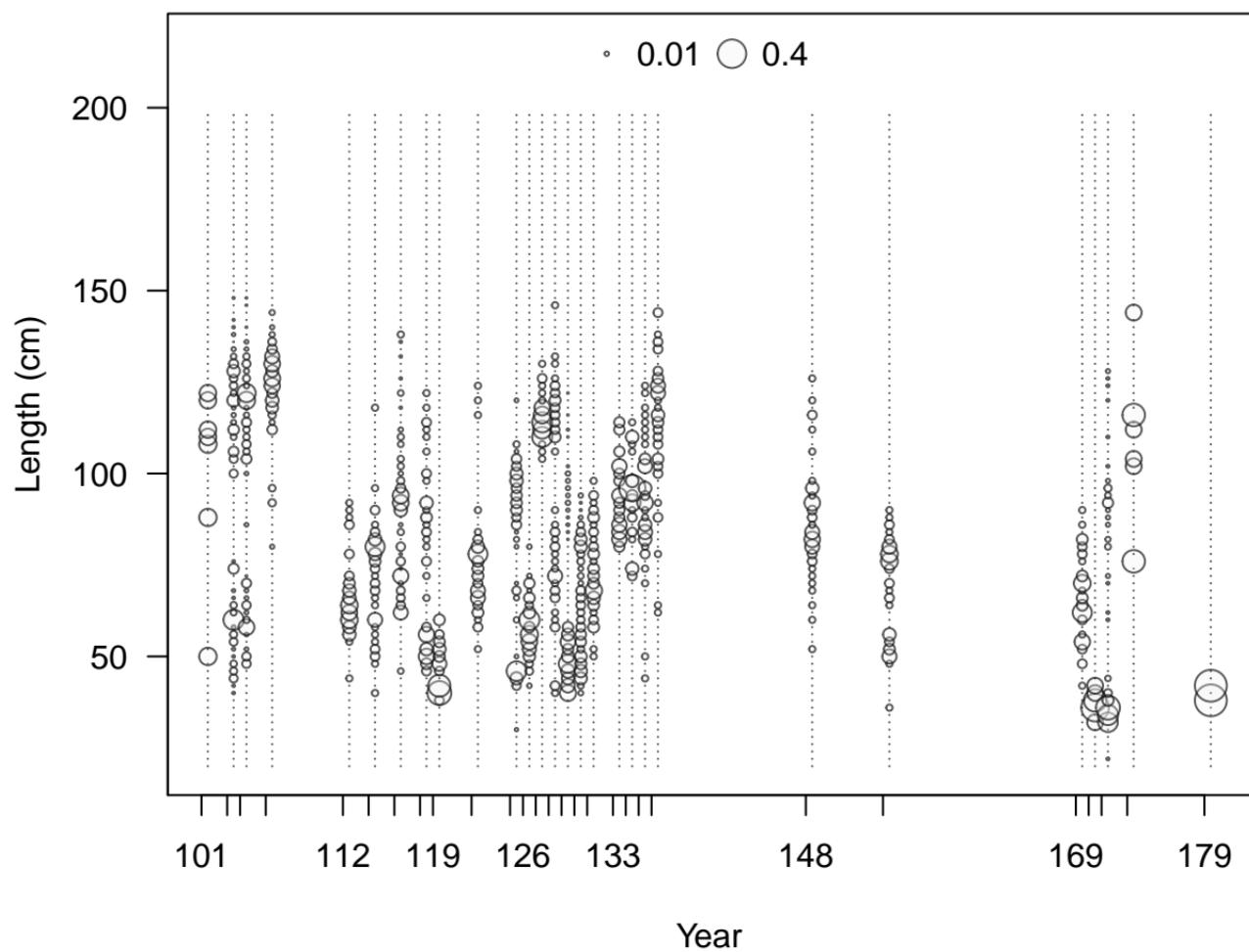
### A2–NOADEL (whole catch)



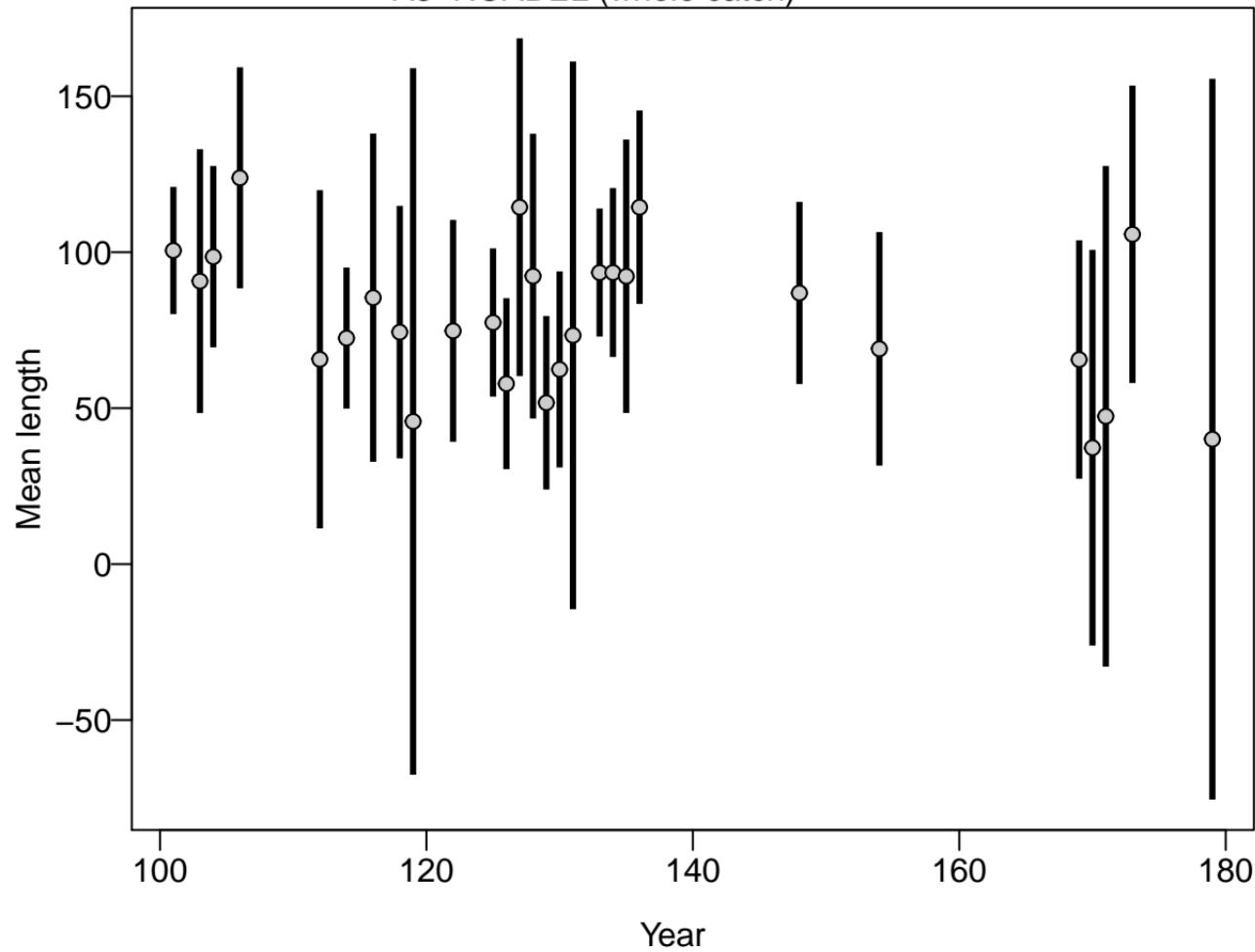
Proportion

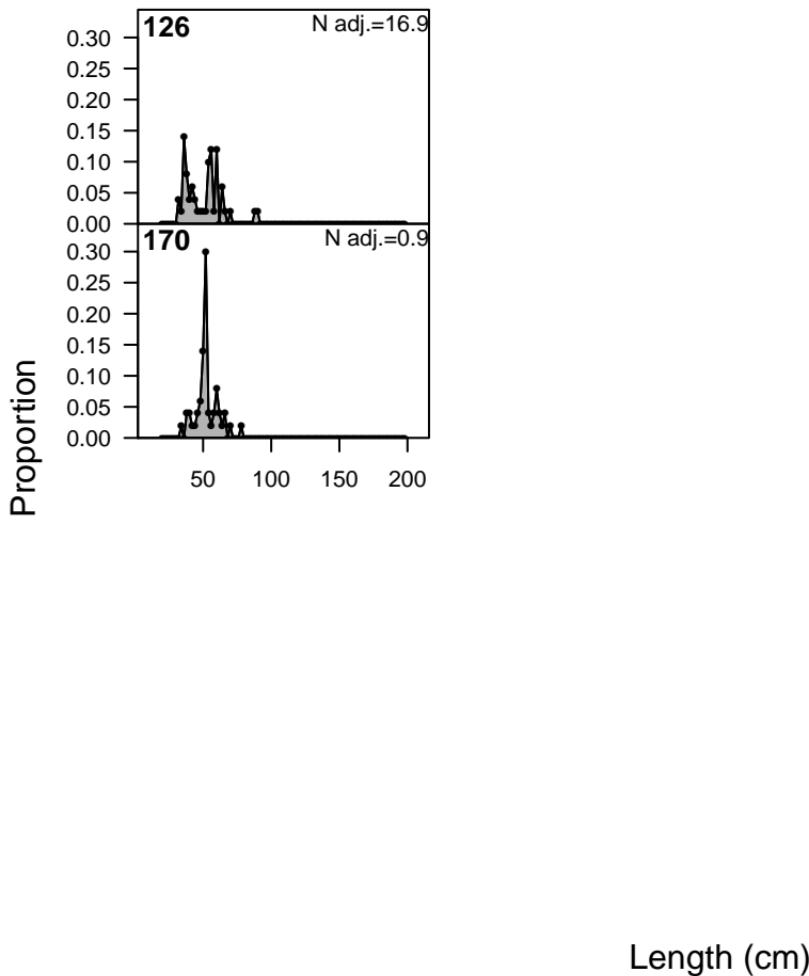


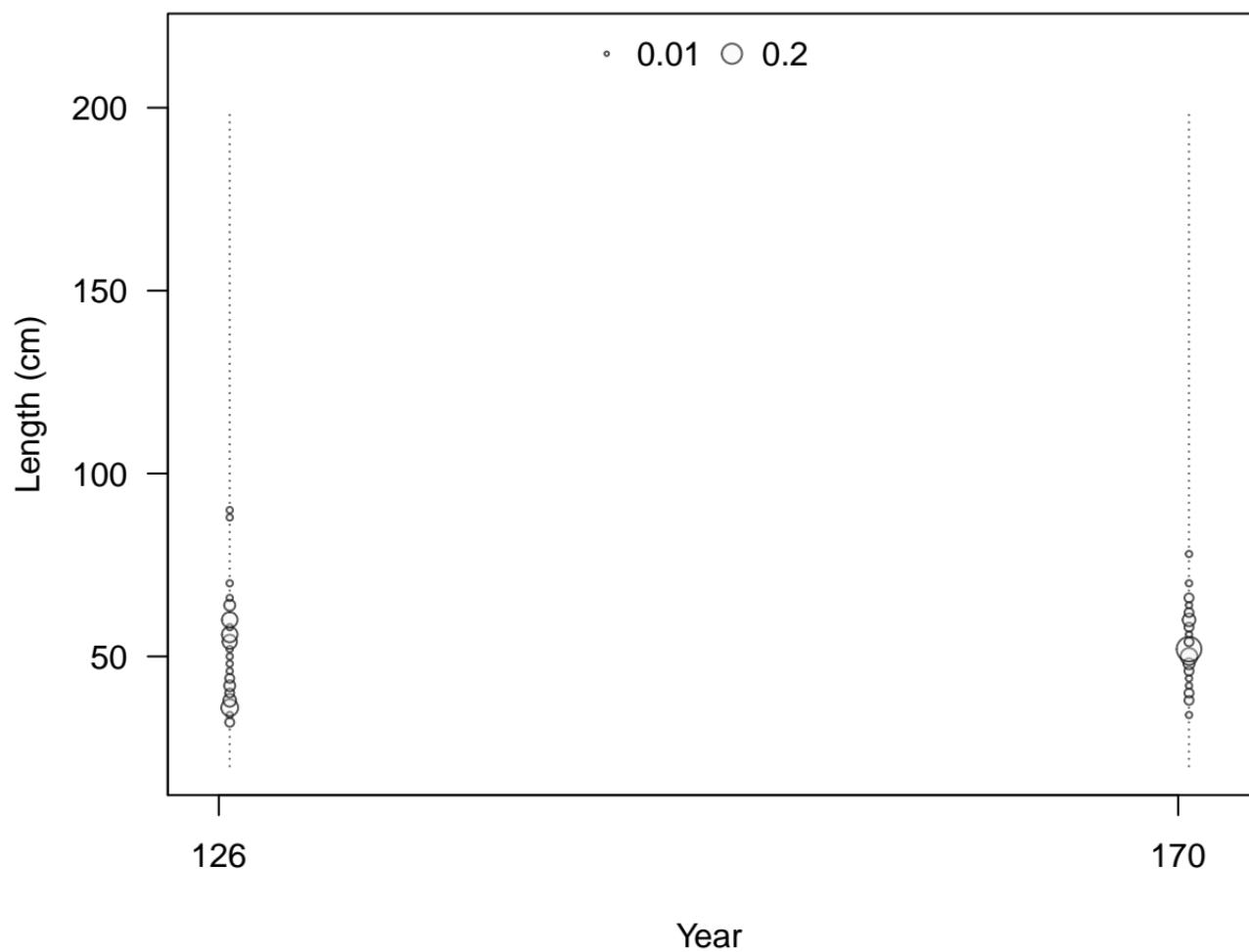




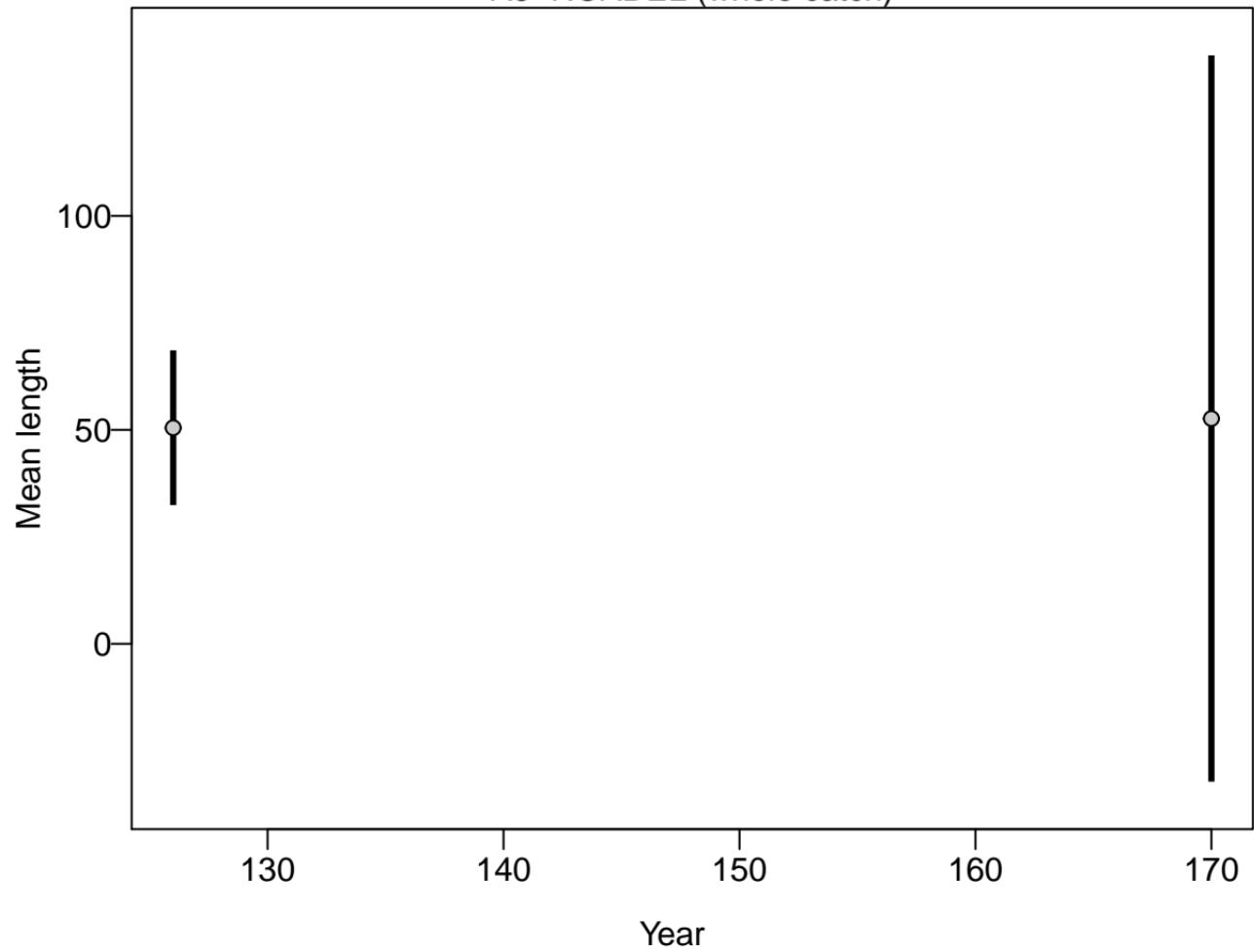
### A3–NOADEL (whole catch)



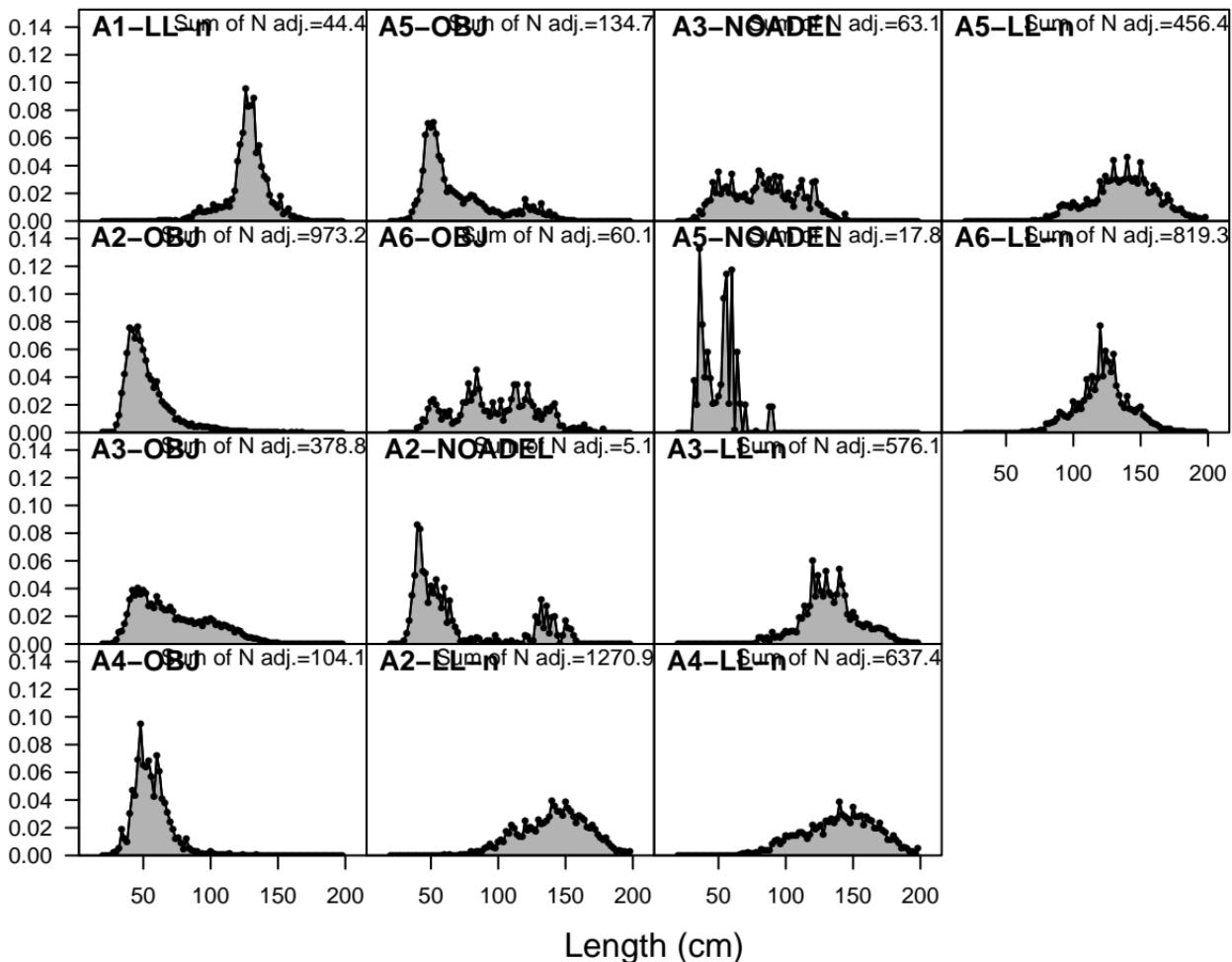


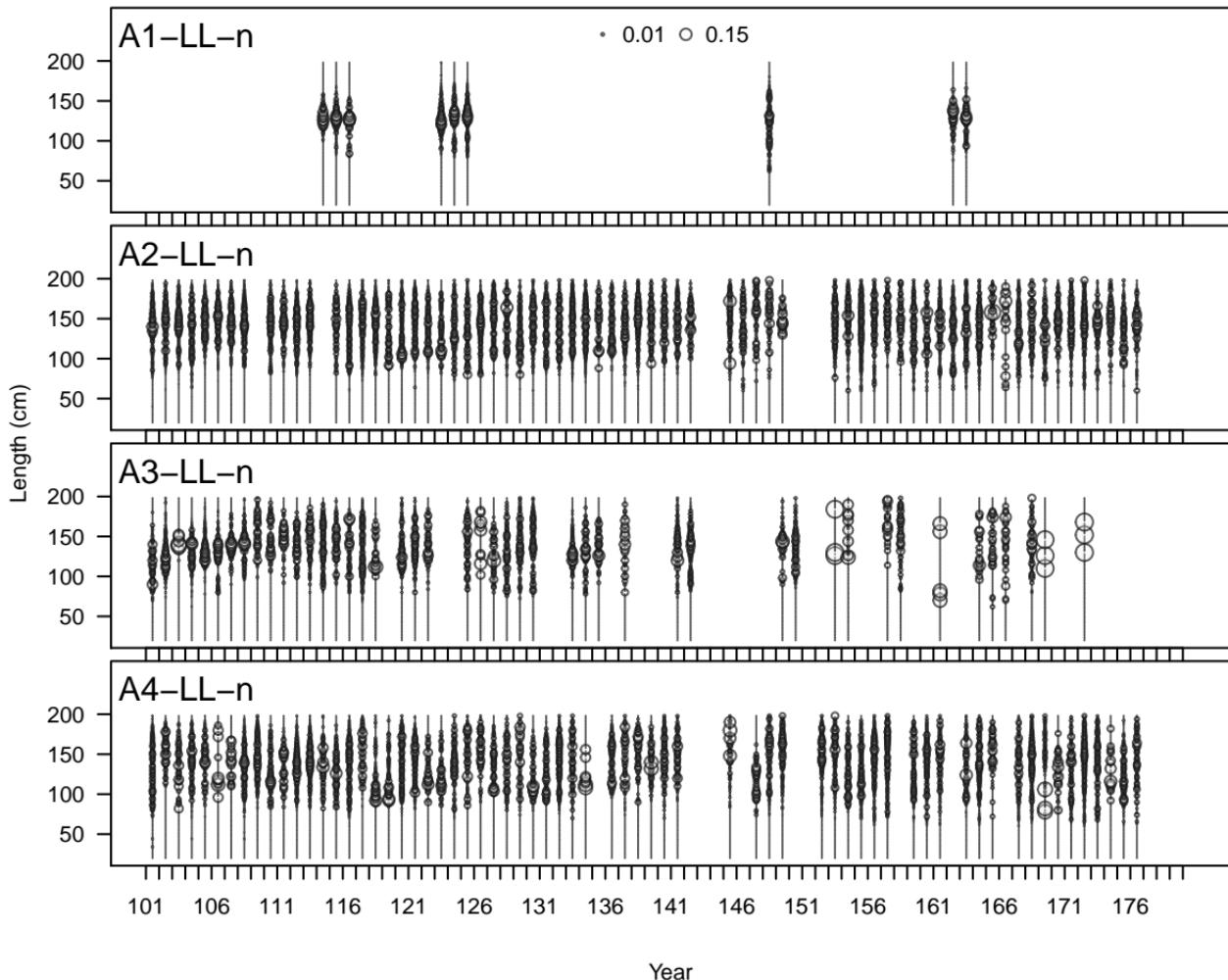


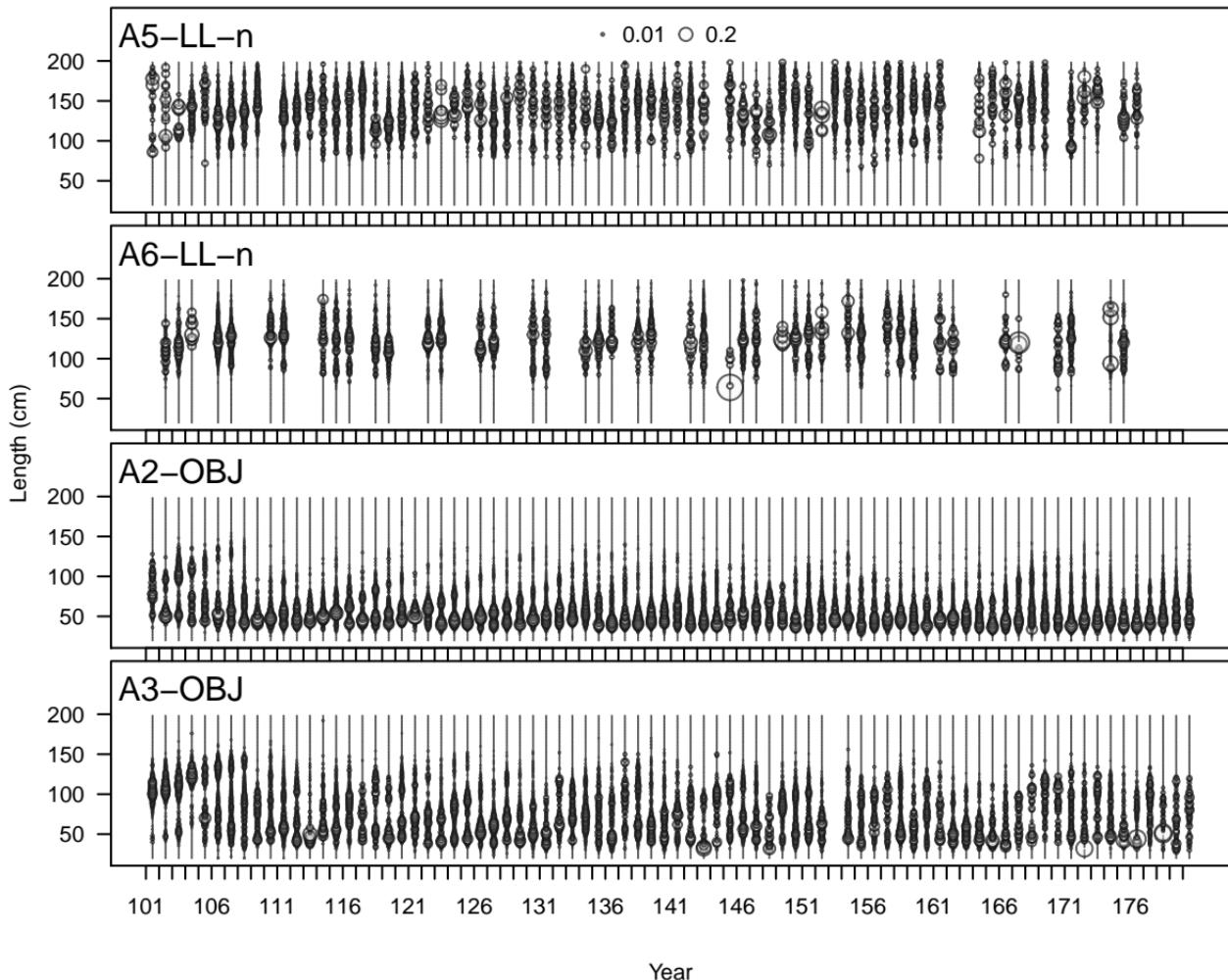
### A5-NOADEL (whole catch)

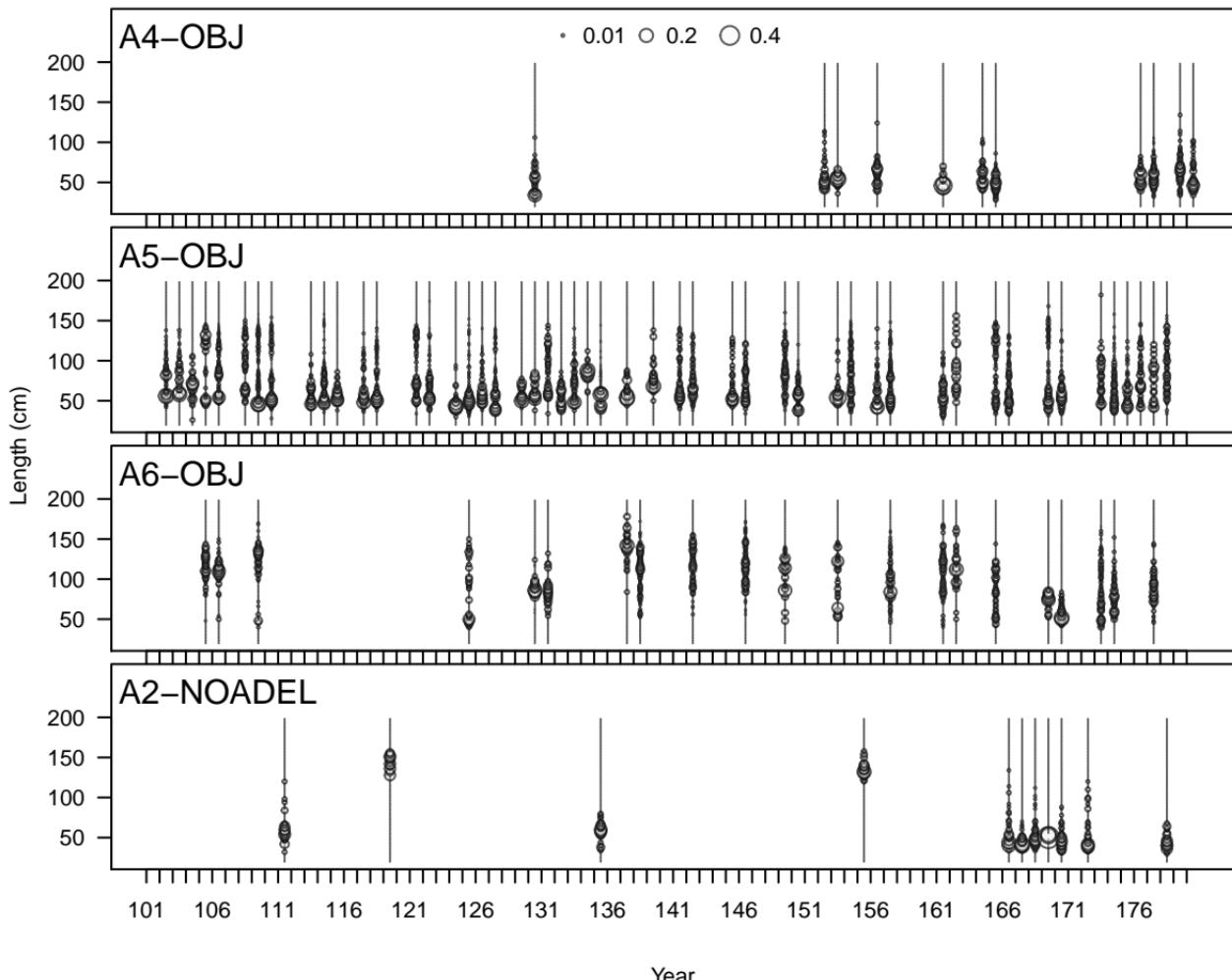


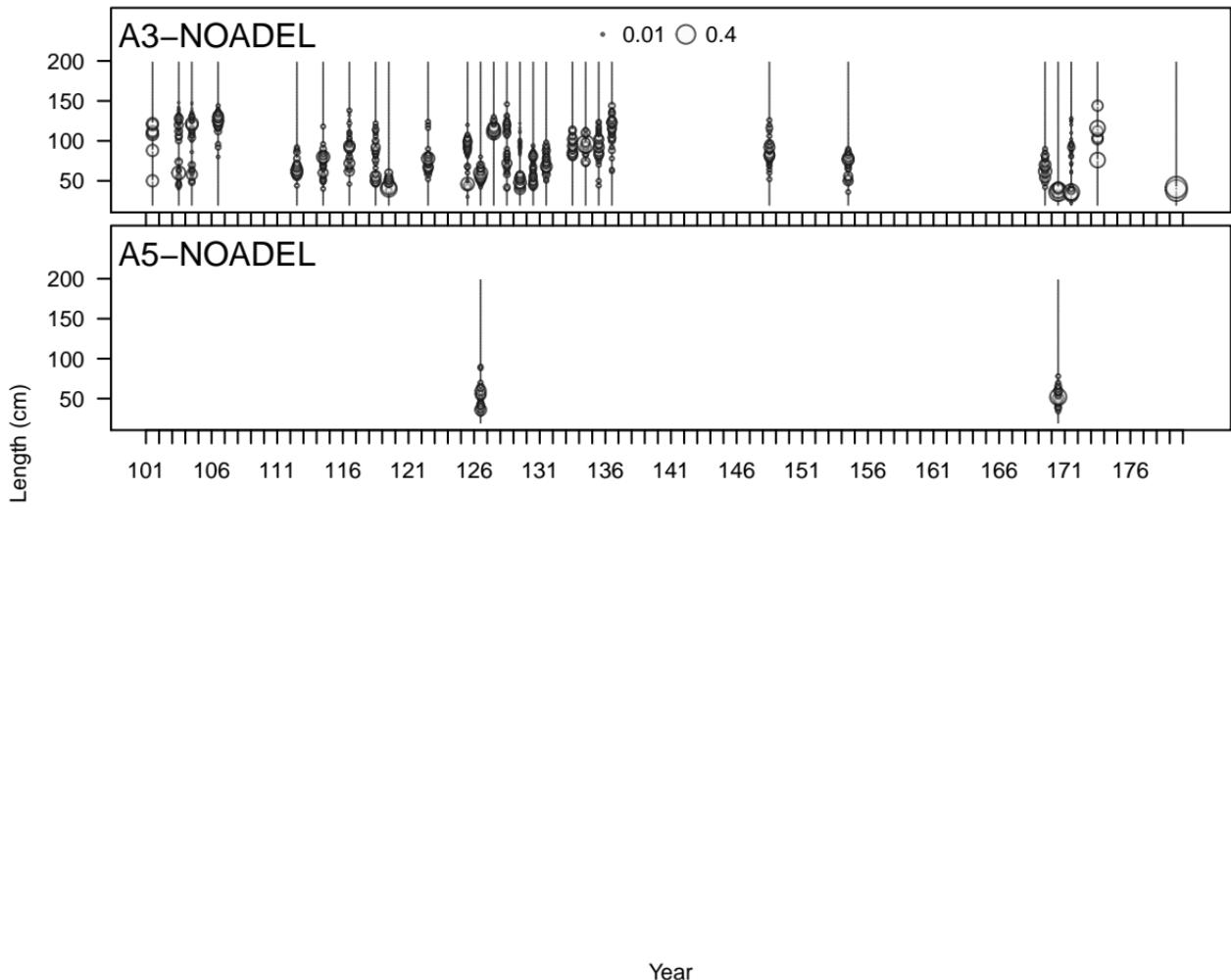
Proportion



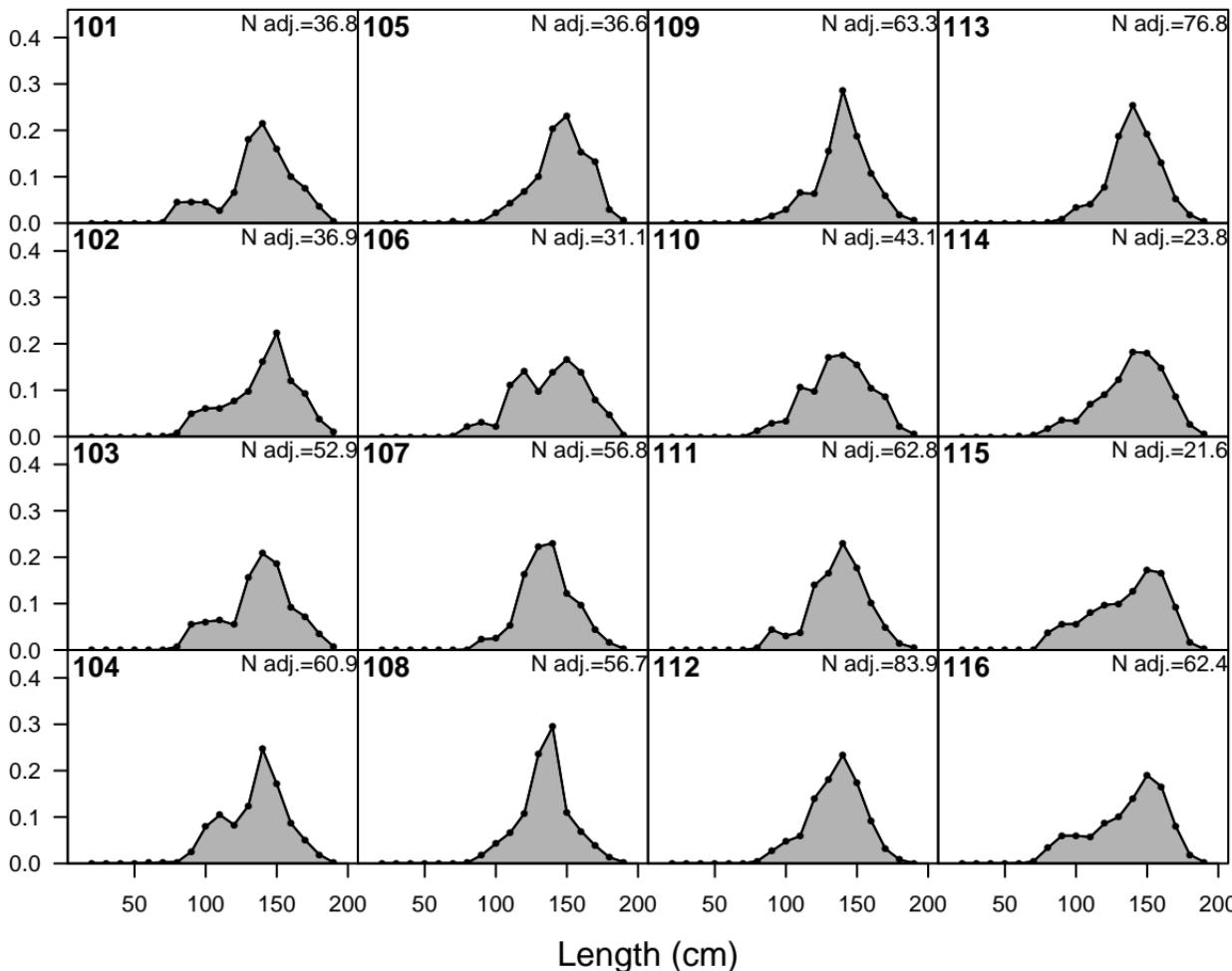




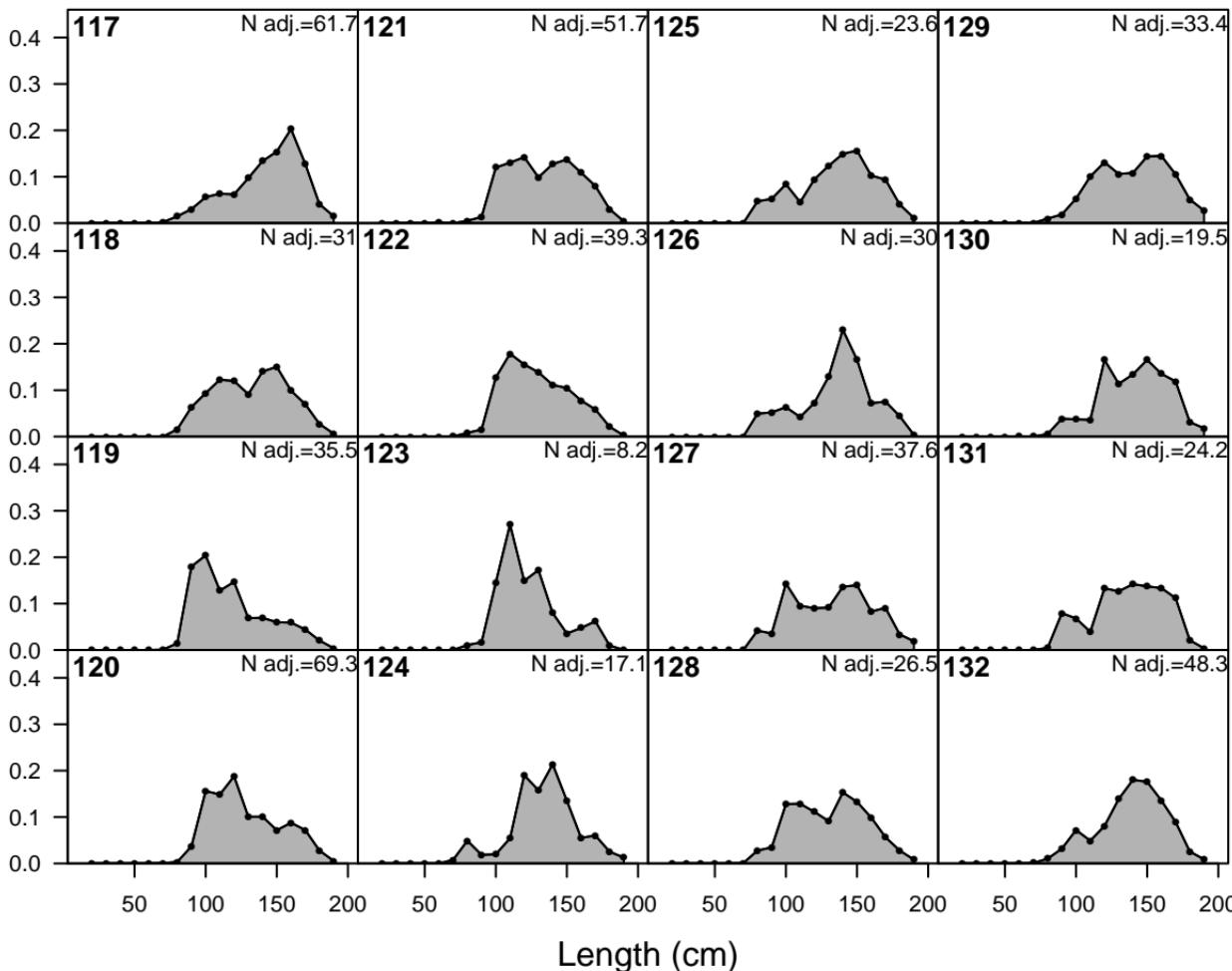




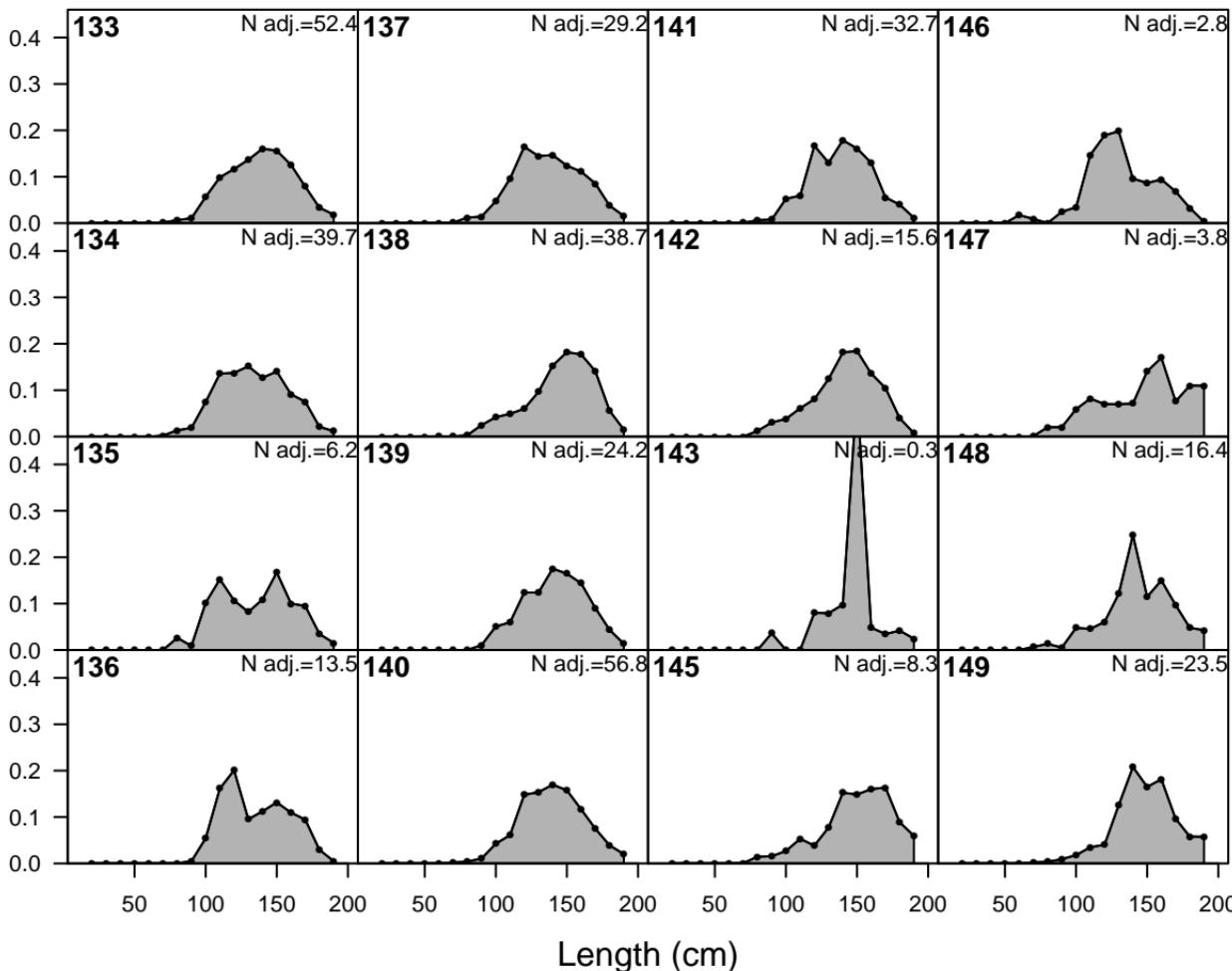
Proportion



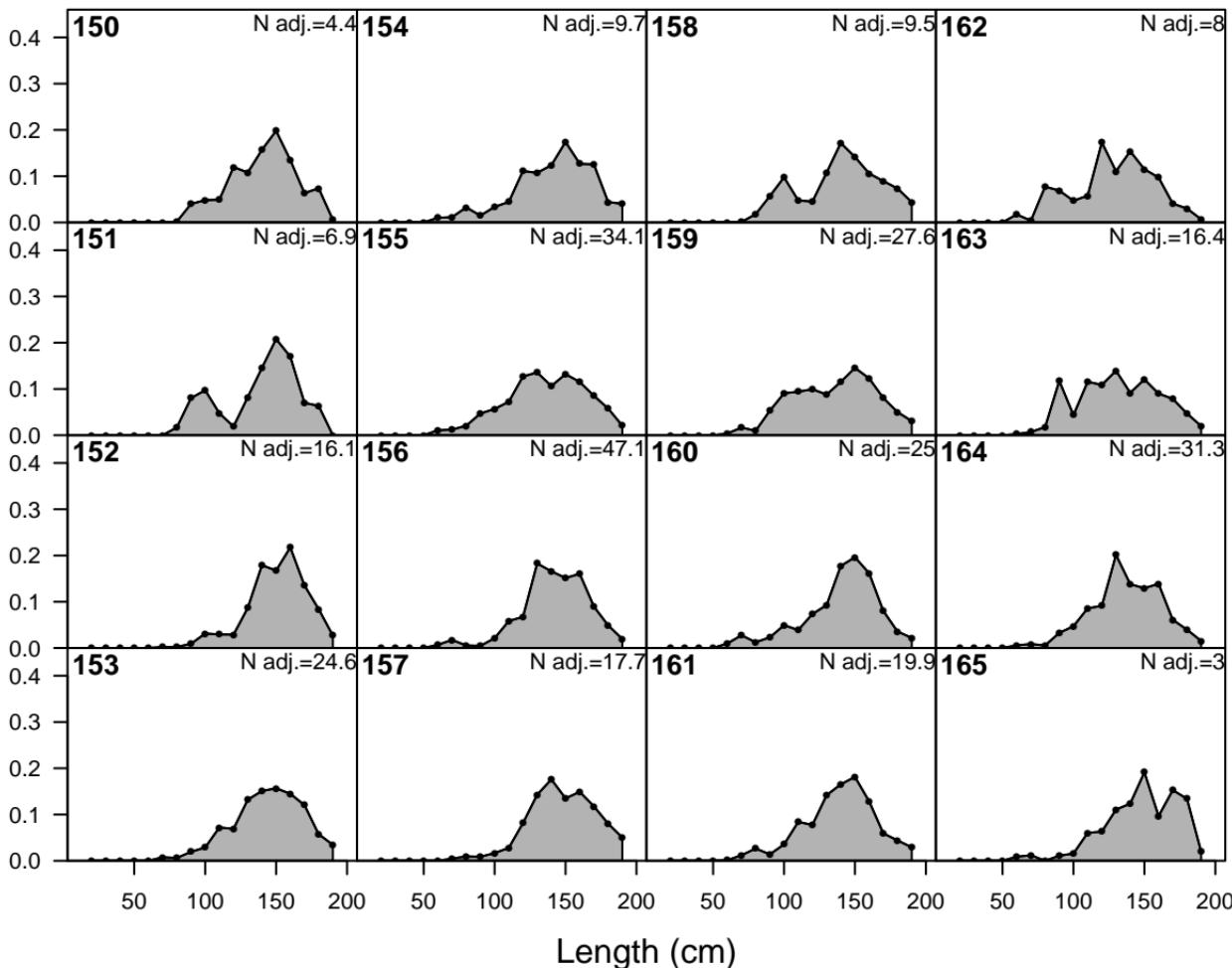
Proportion



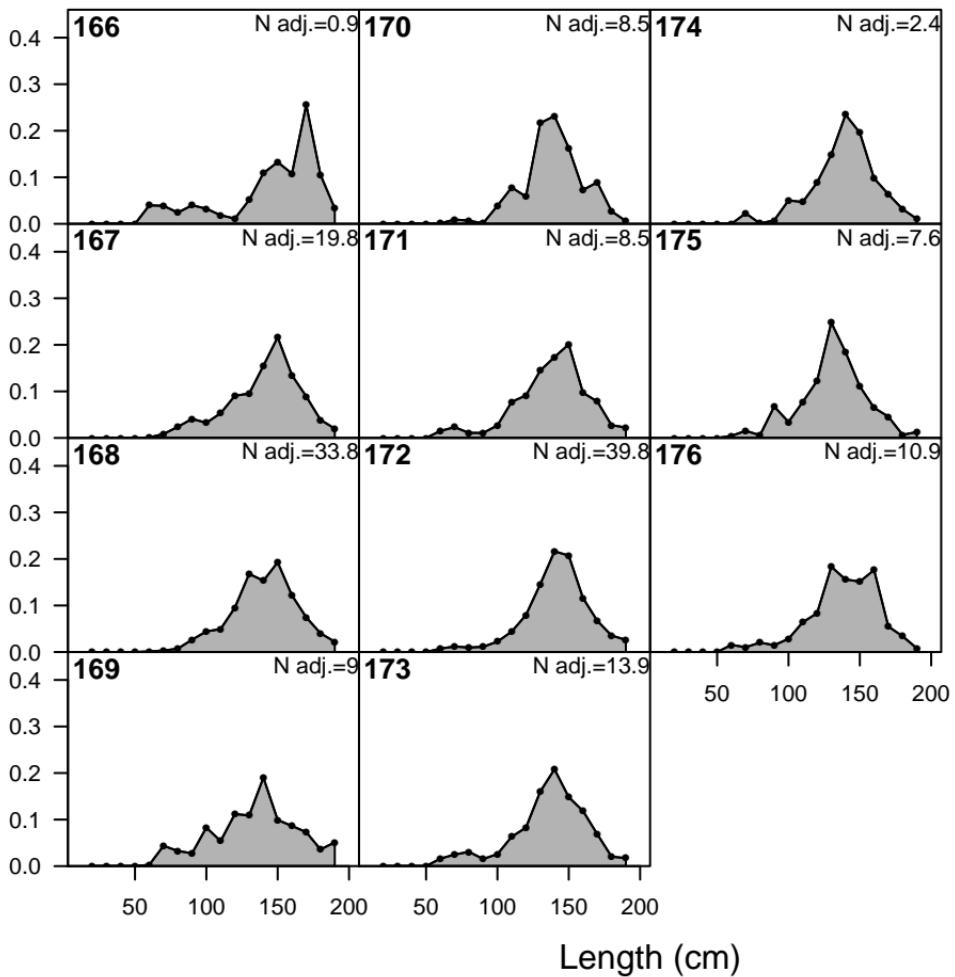
Proportion

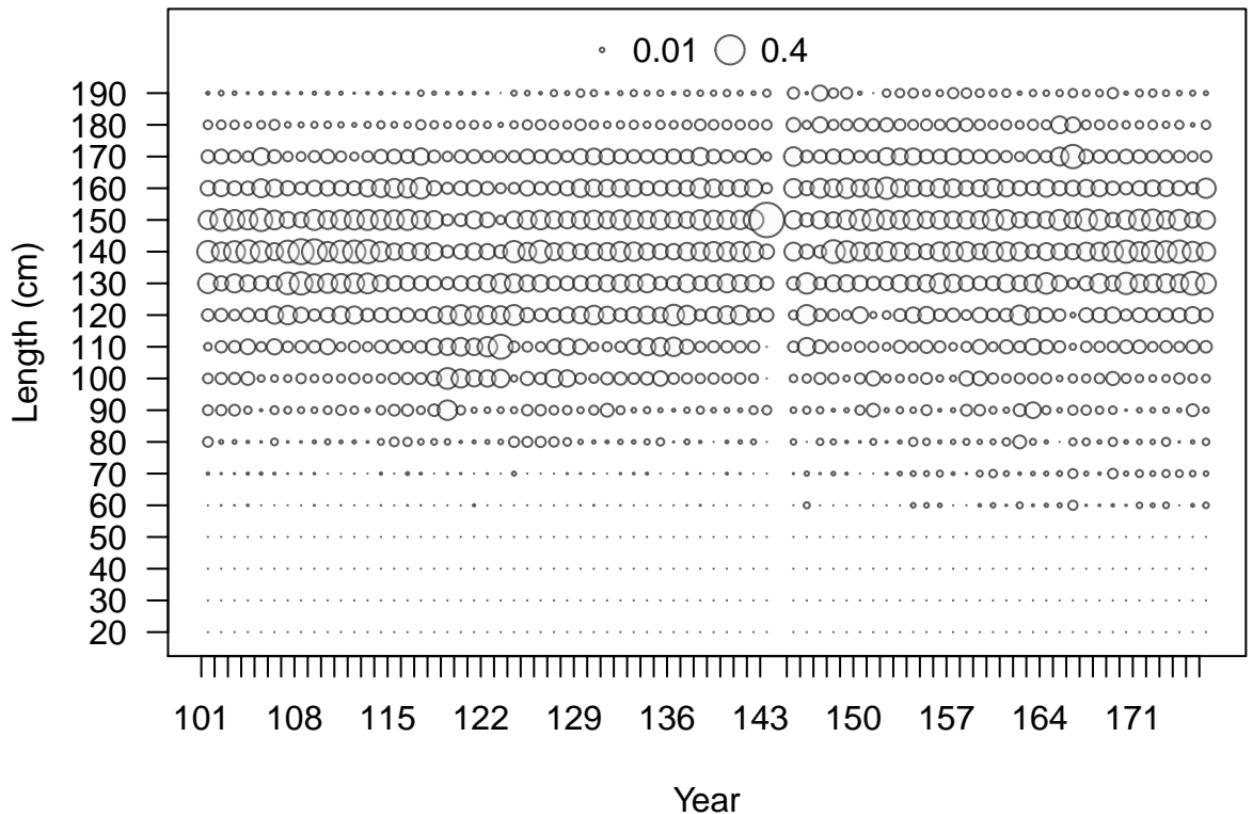


Proportion

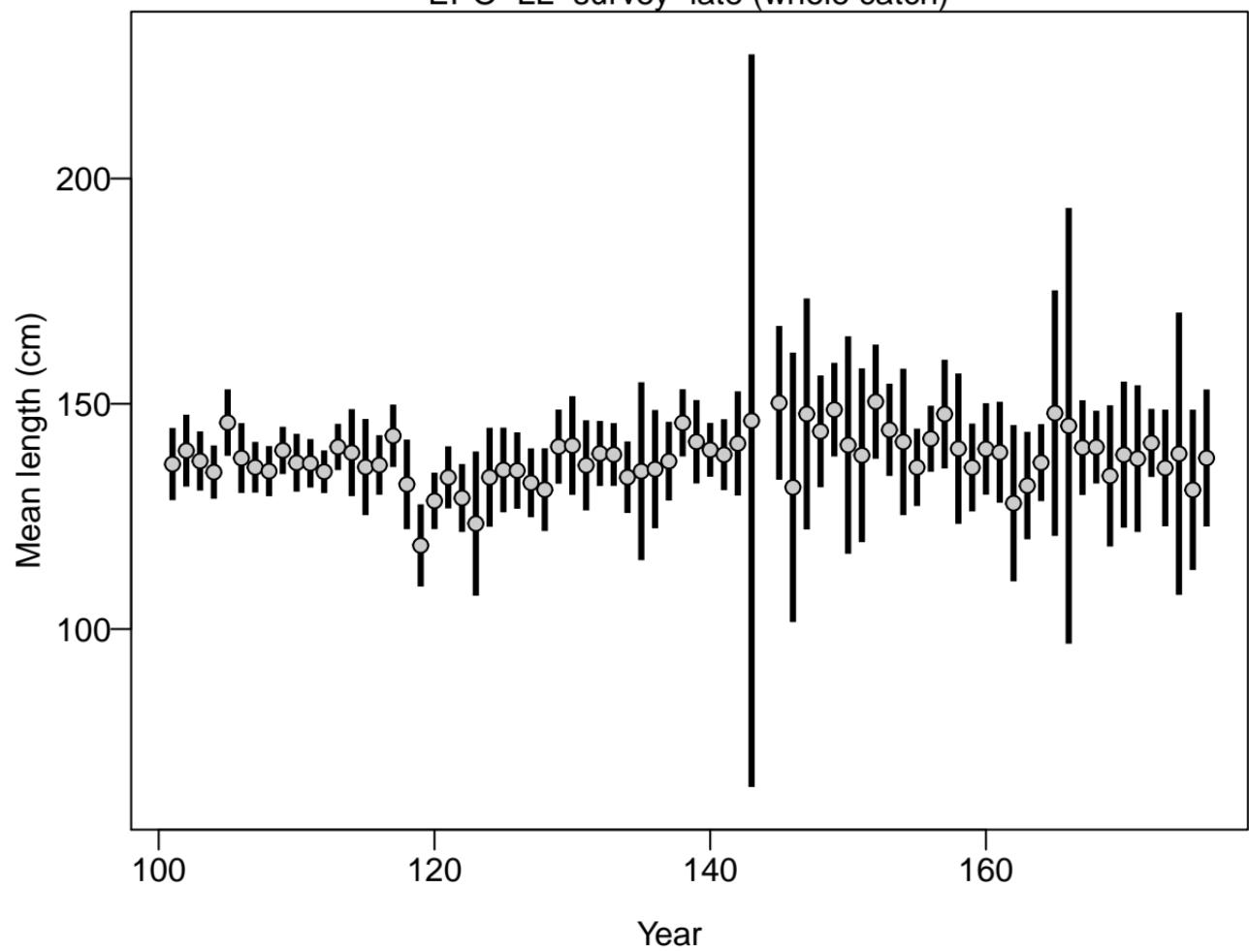


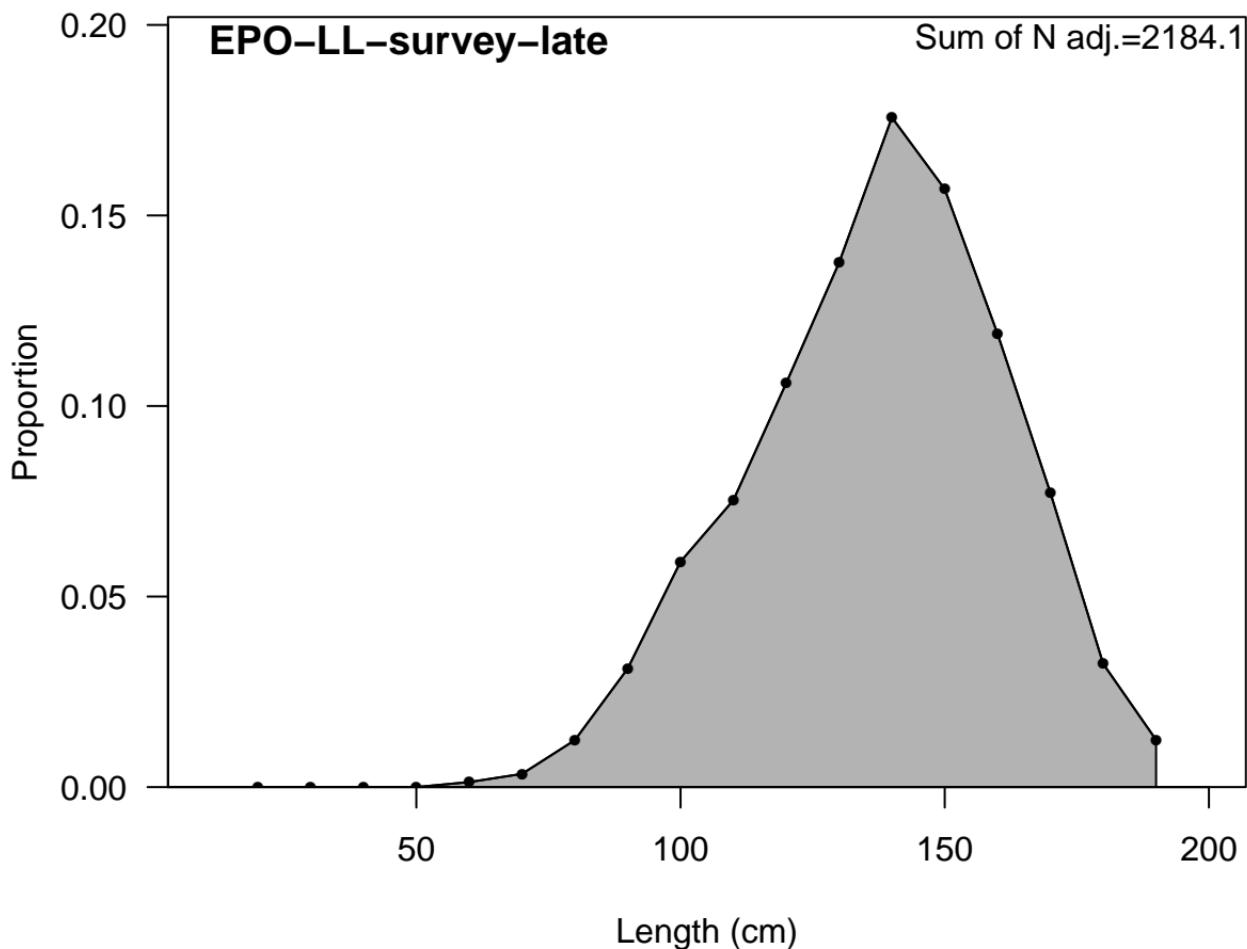
Proportion

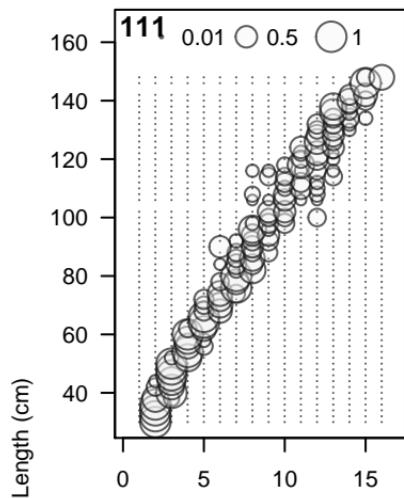




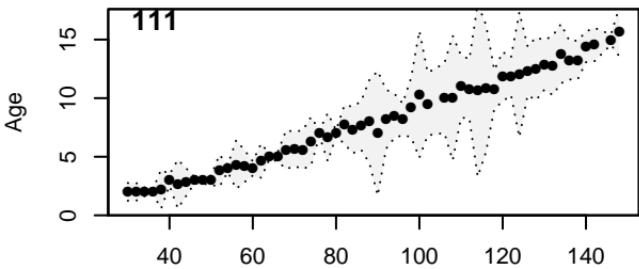
### EPO-LL-survey-late (whole catch)



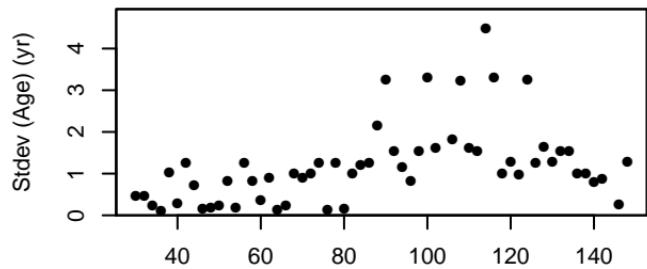


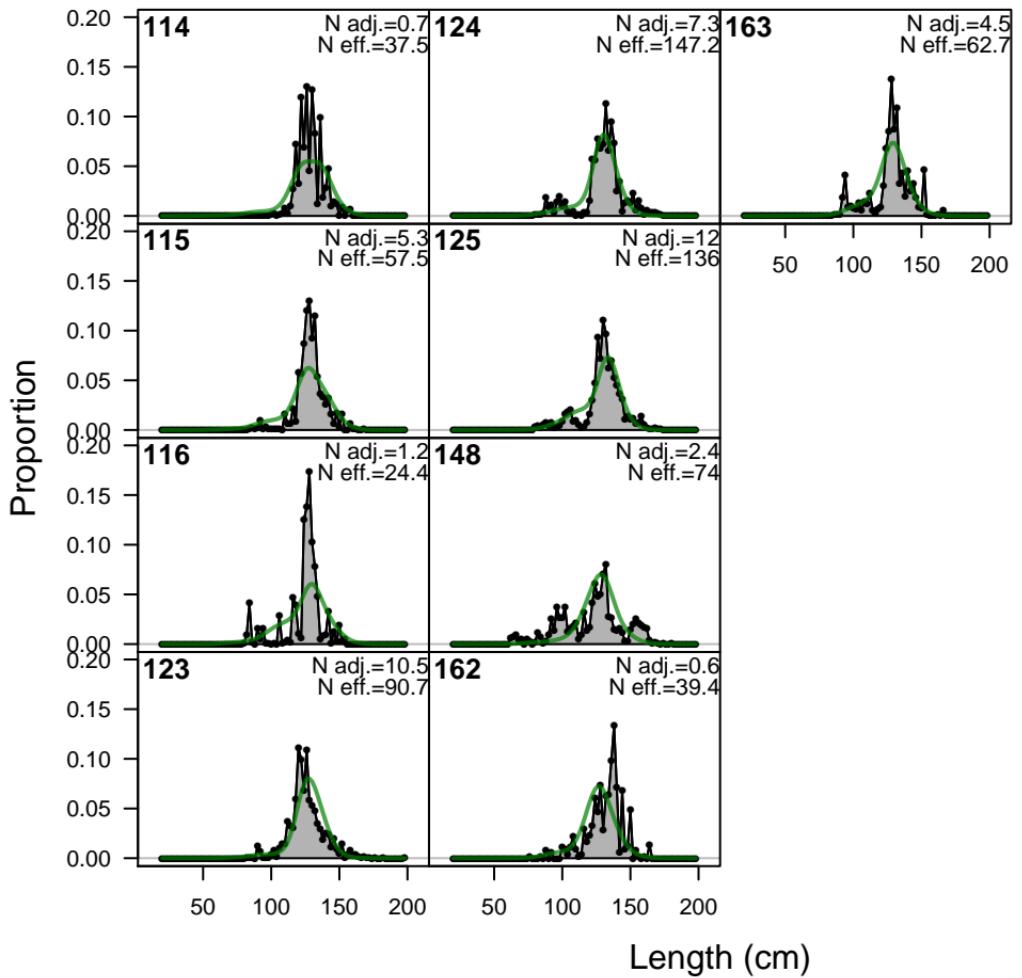


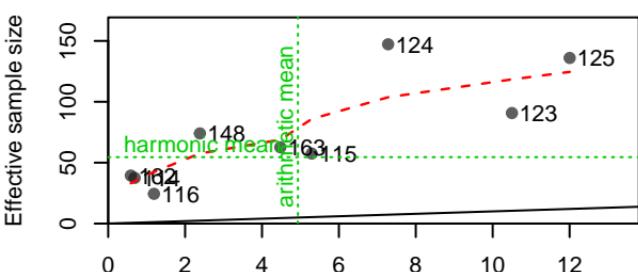
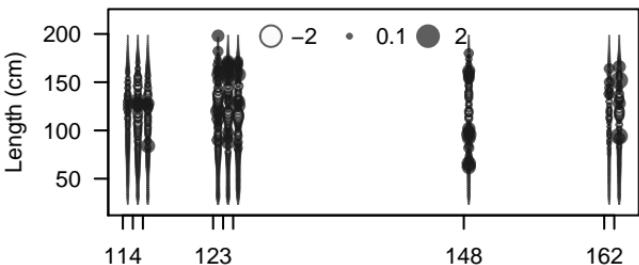
Age (yr)



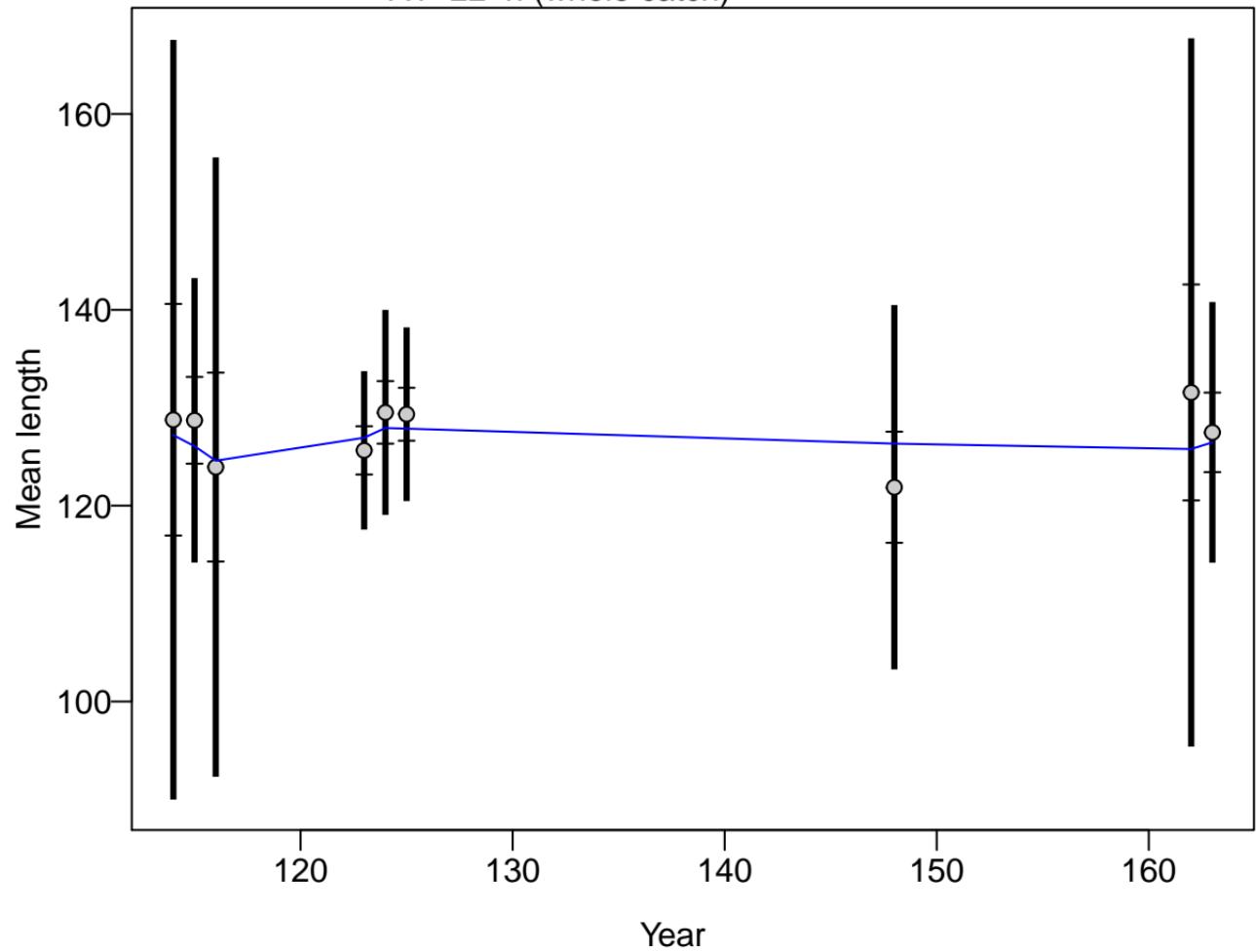
Length (cm)



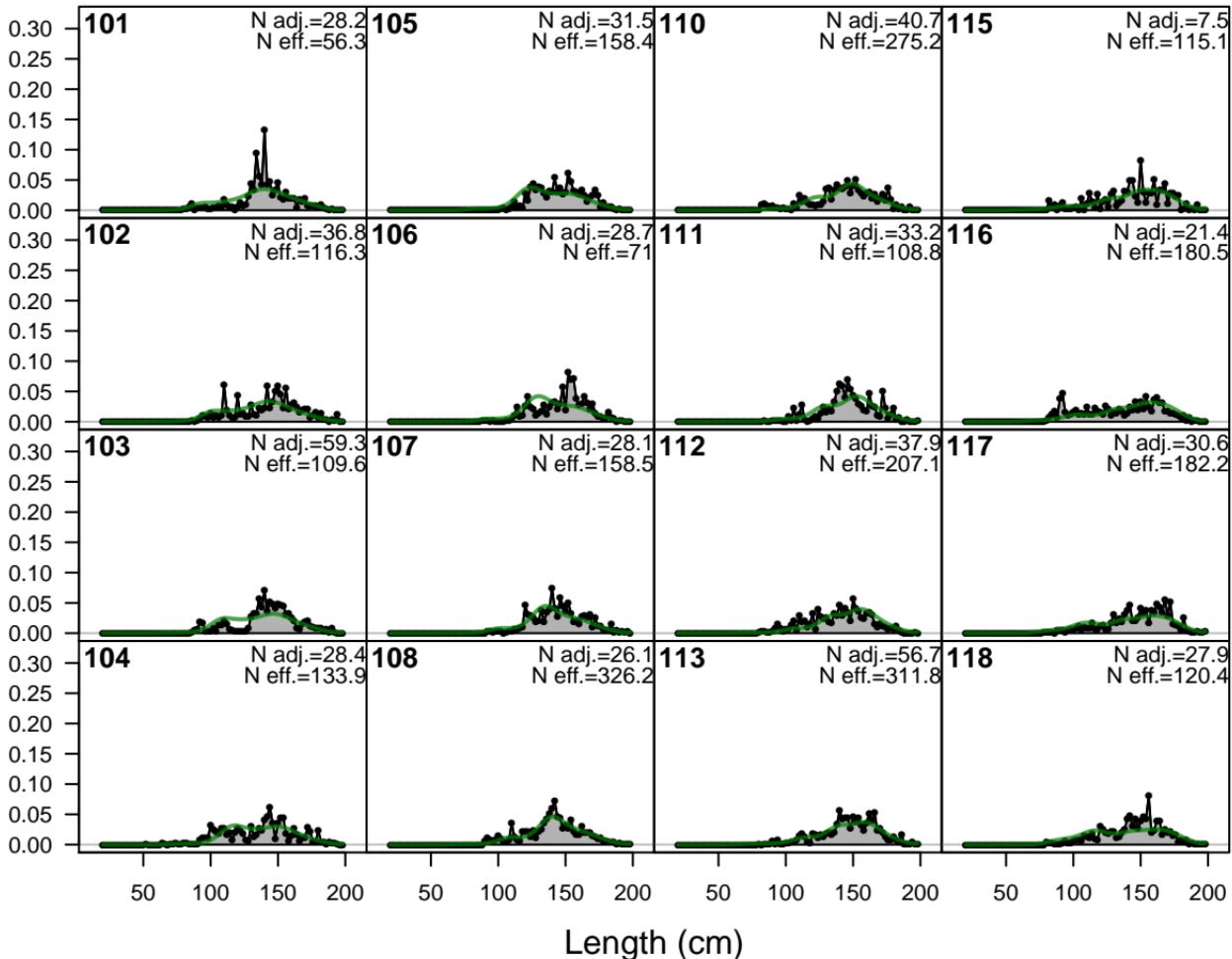




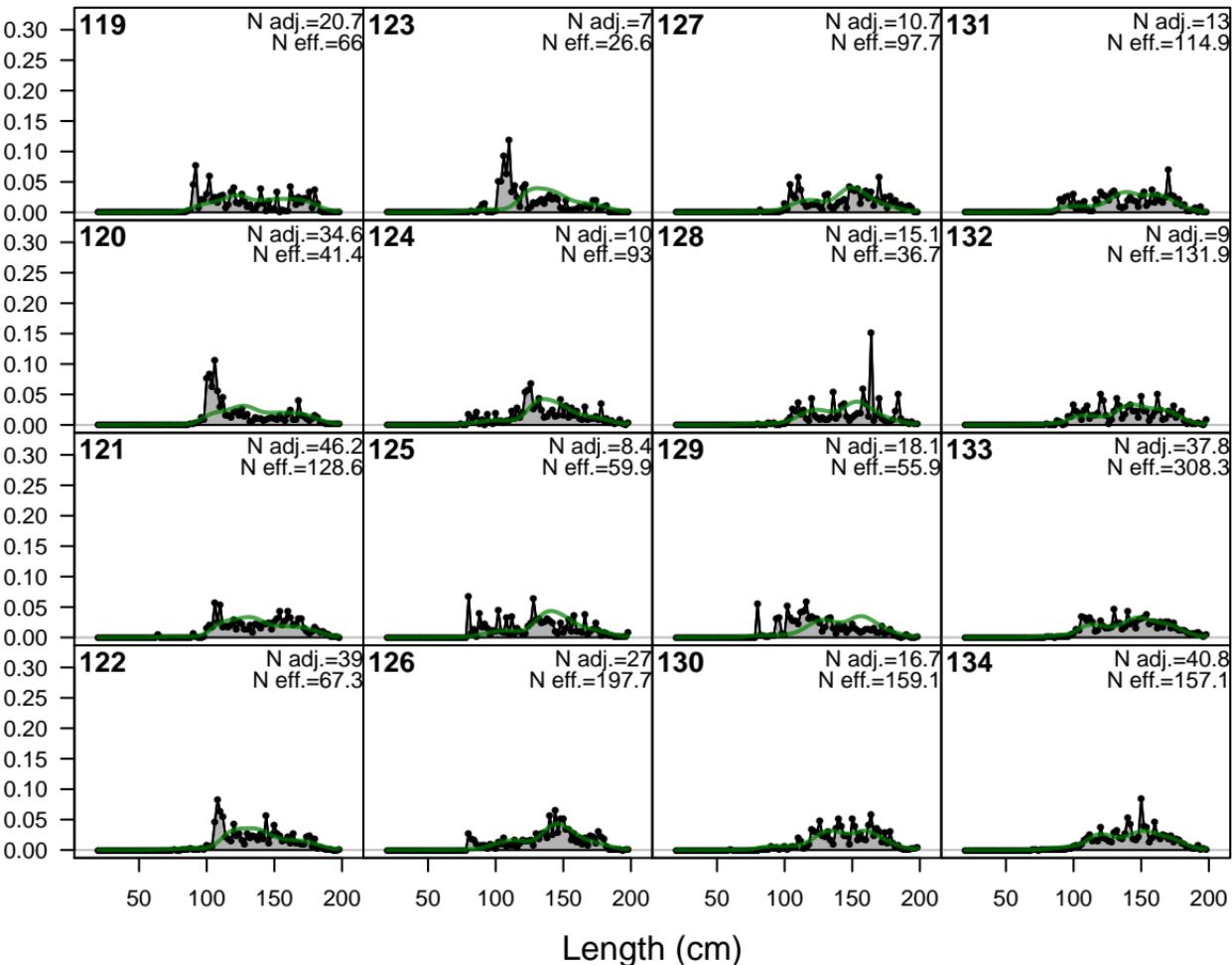
### A1-LL-n (whole catch)



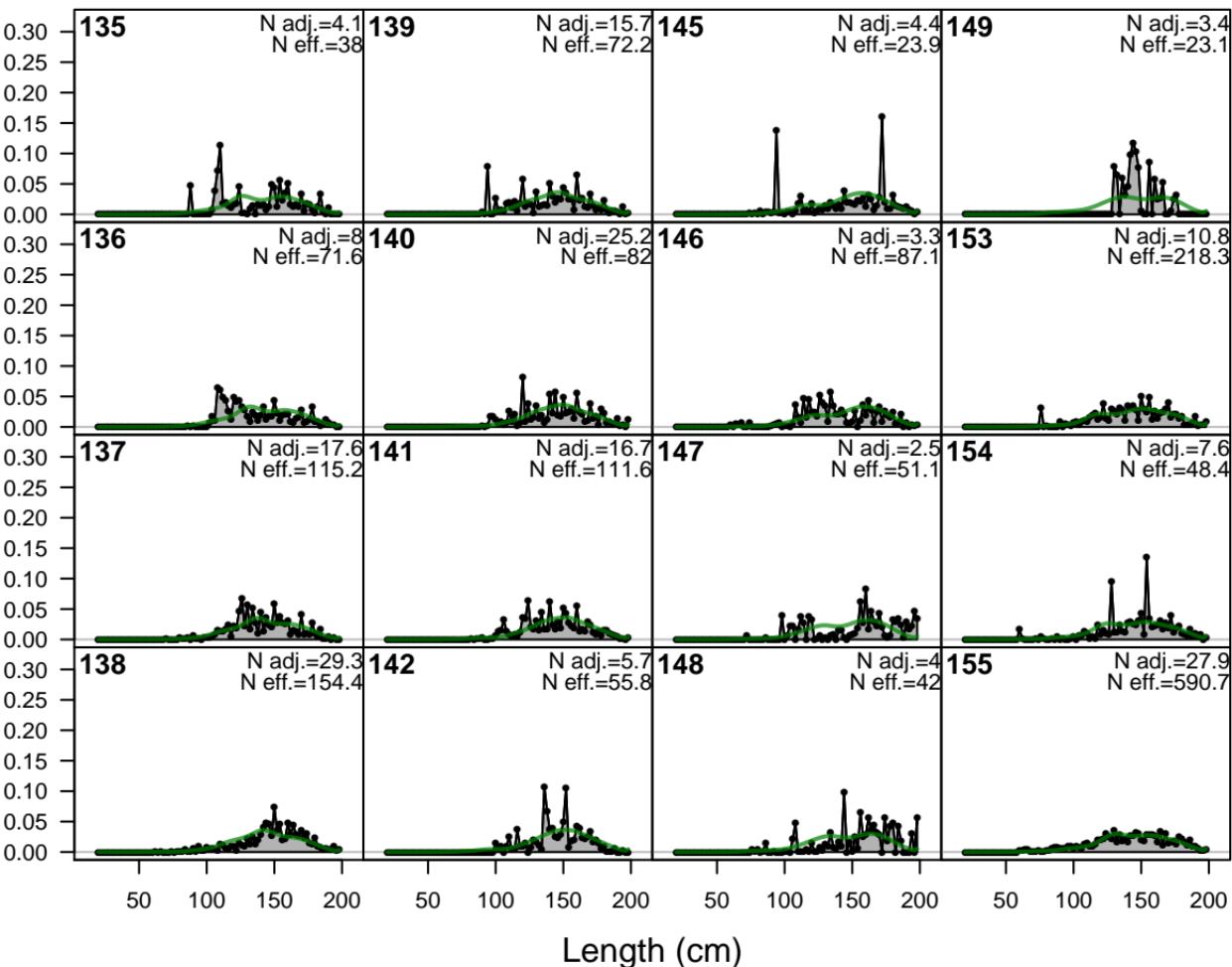
Proportion



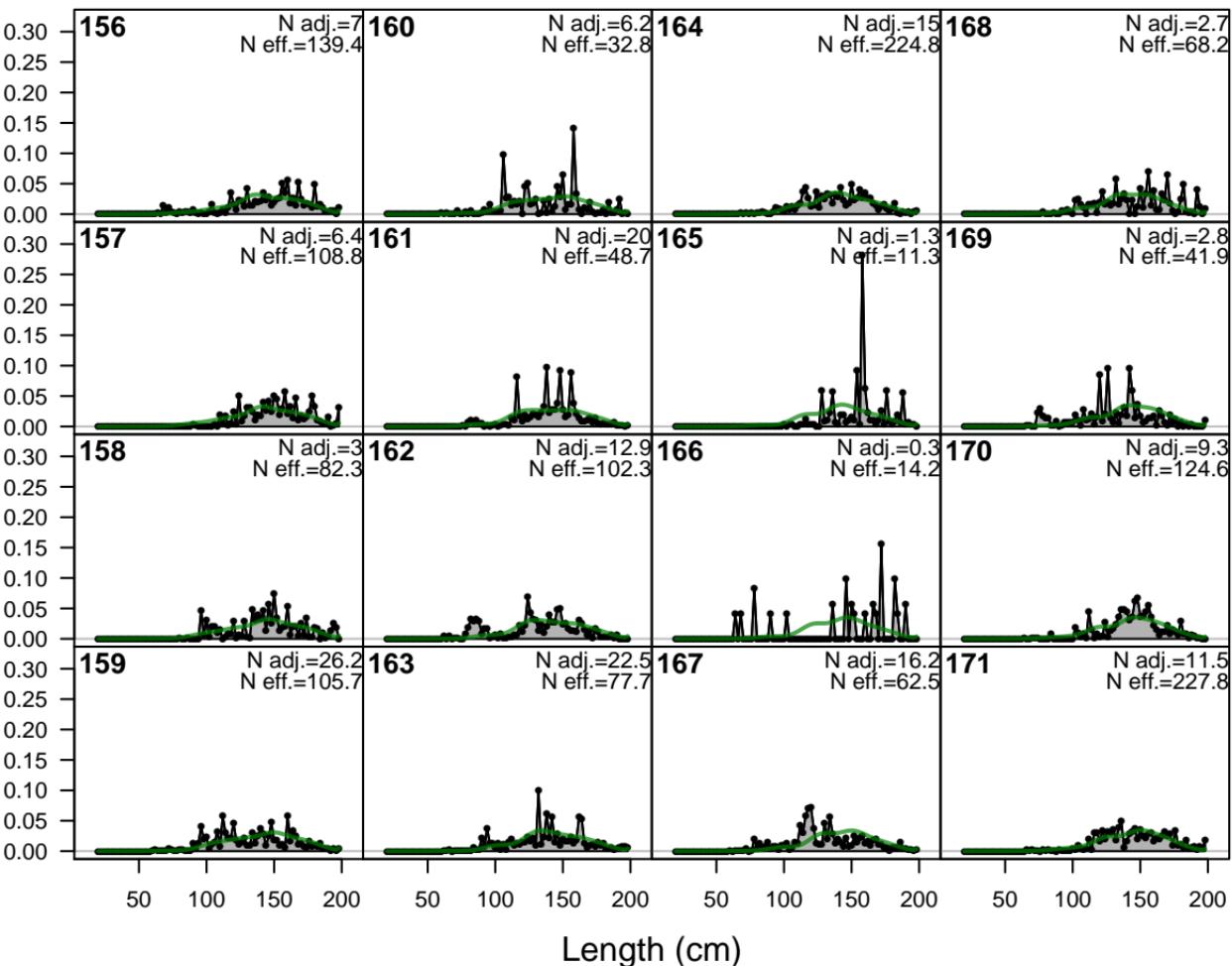
Proportion



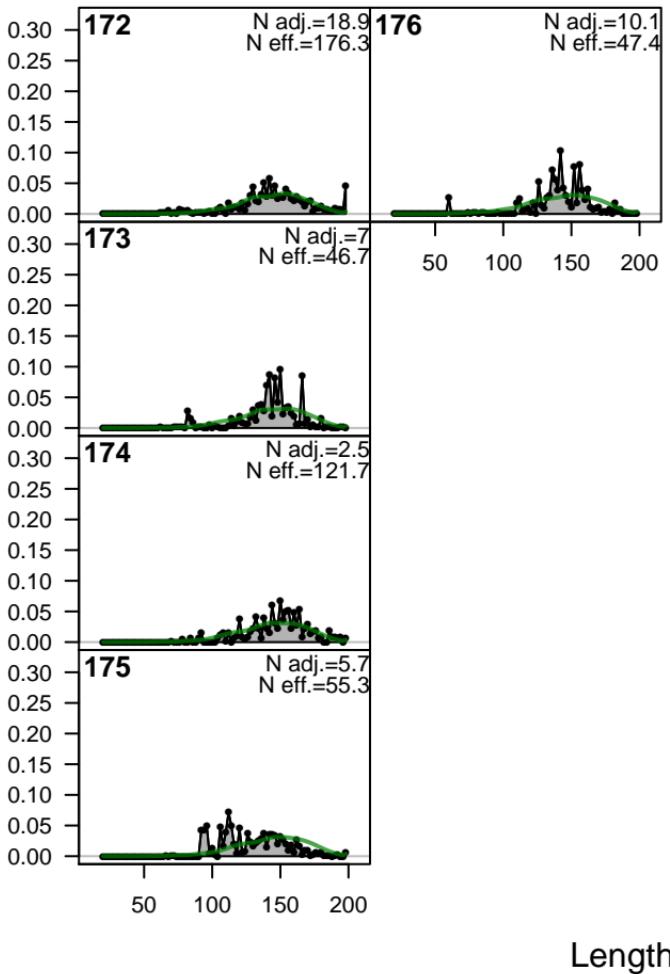
Proportion

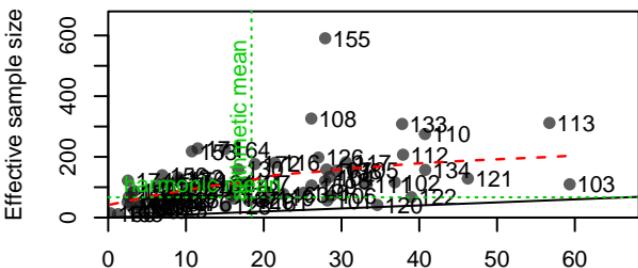
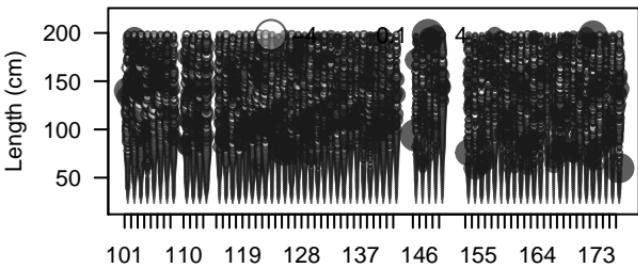


Proportion

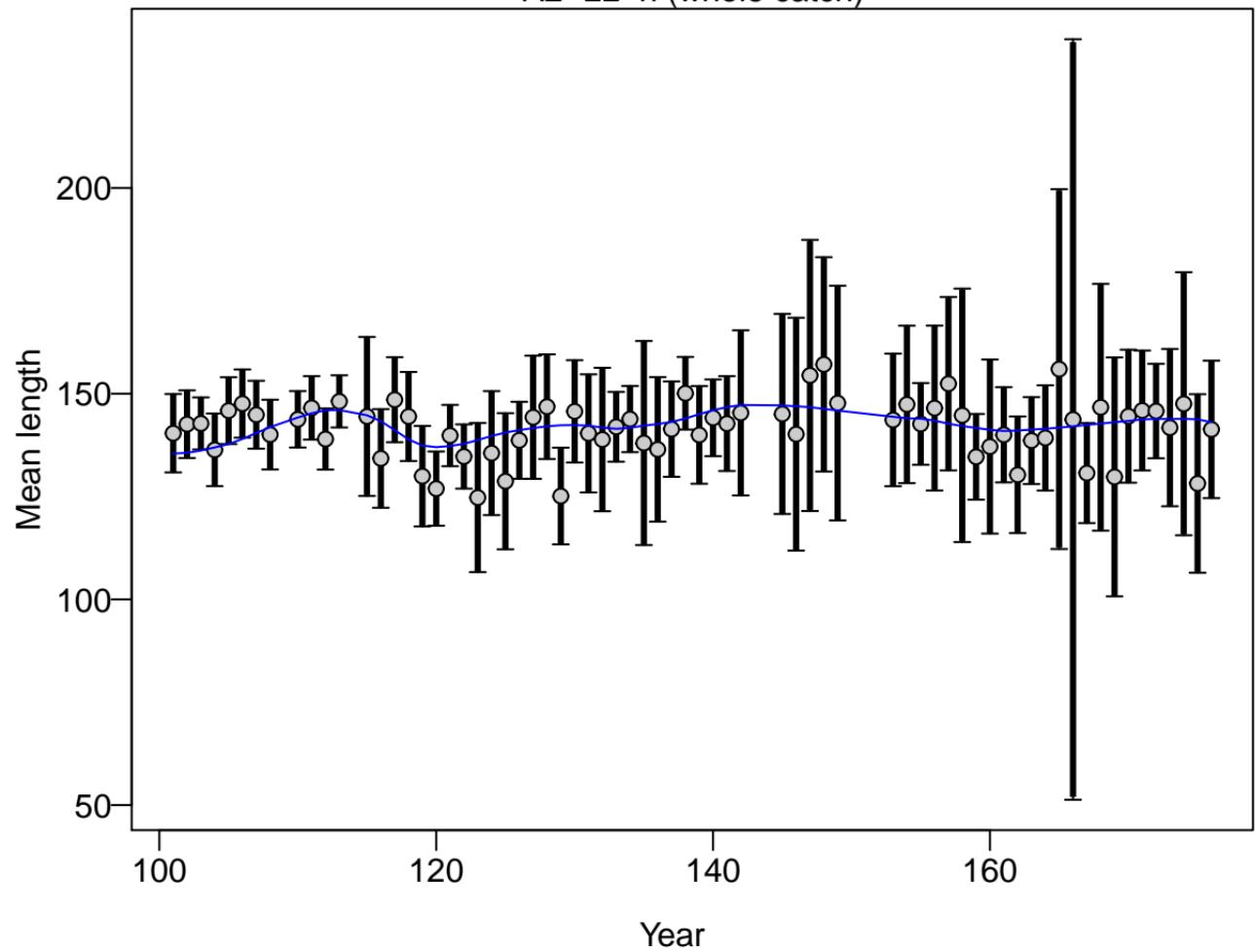


Proportion

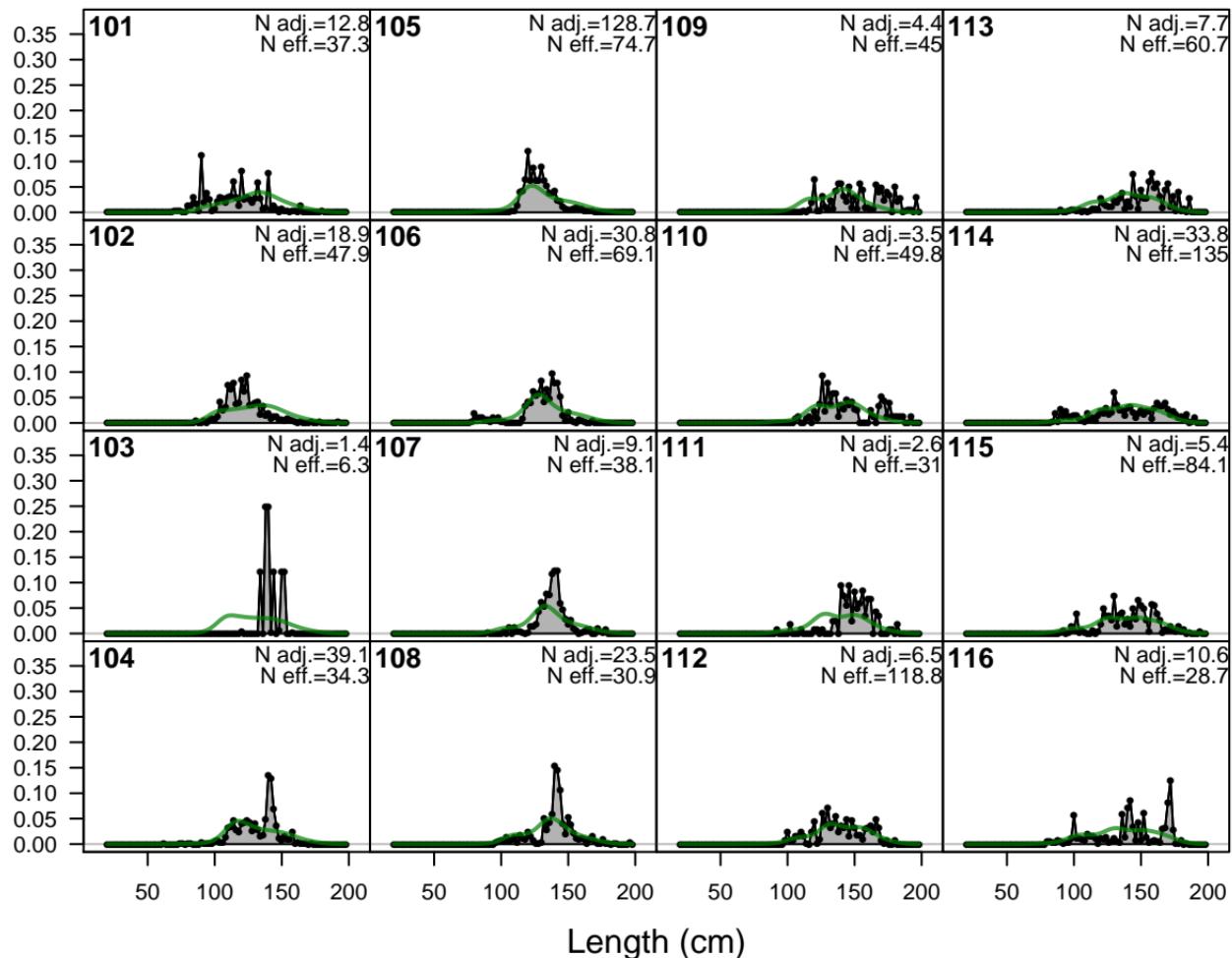




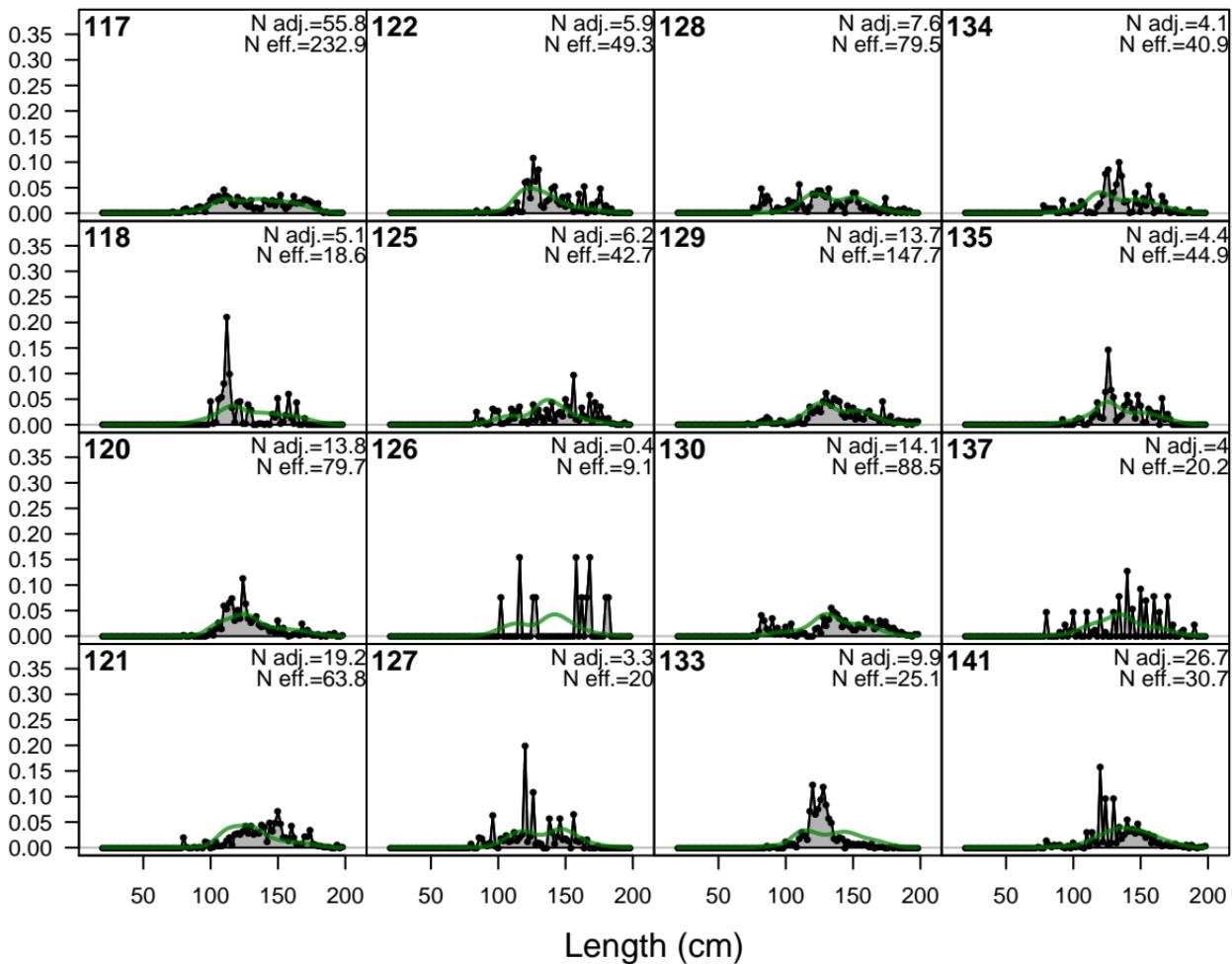
### A2-LL-n (whole catch)



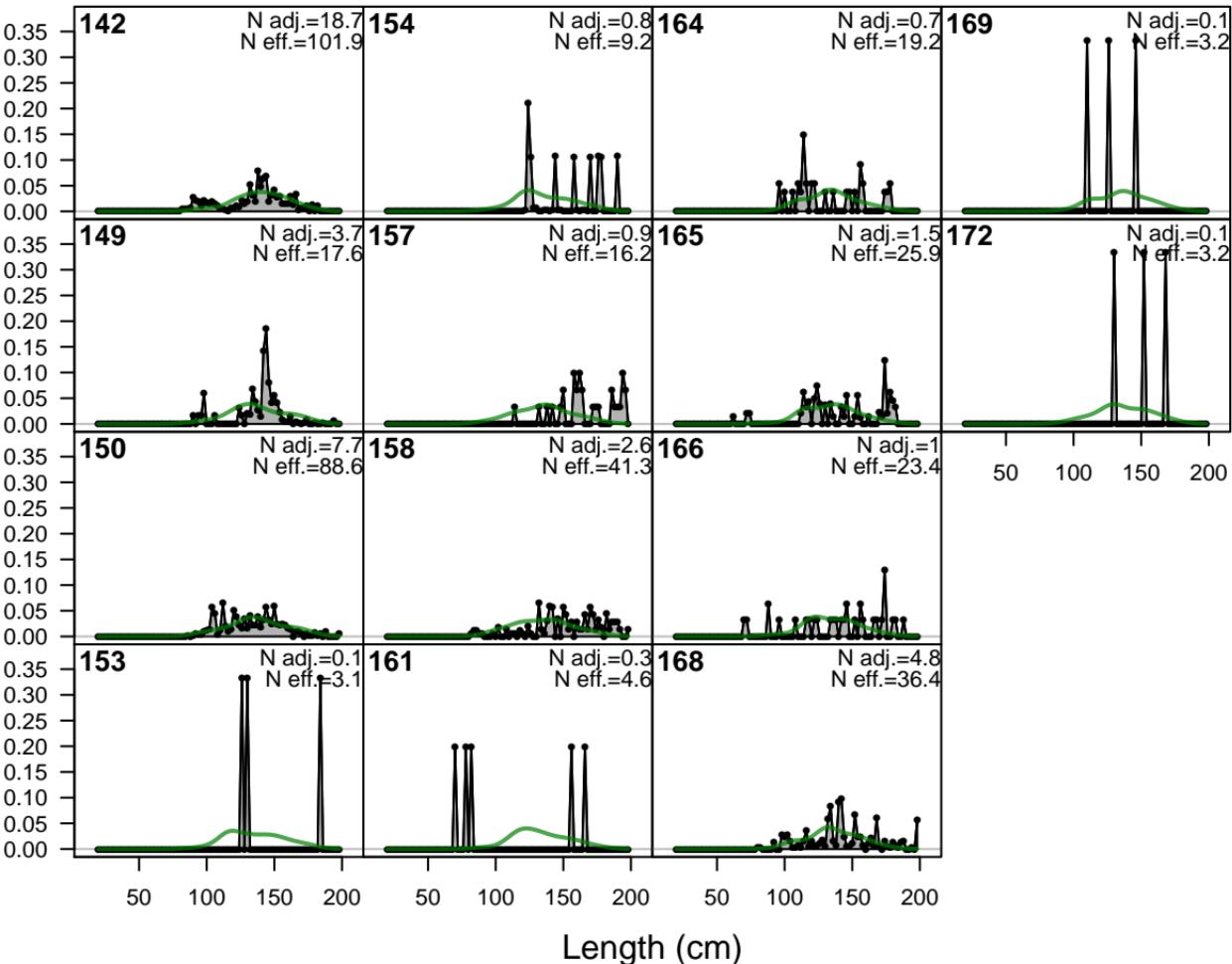
Proportion

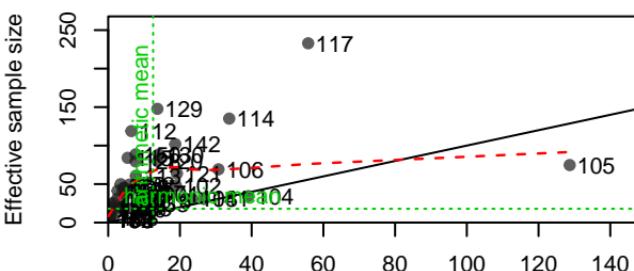
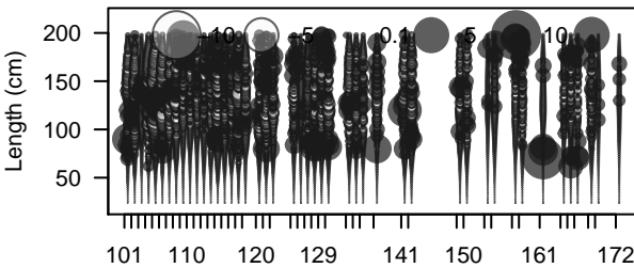


Proportion

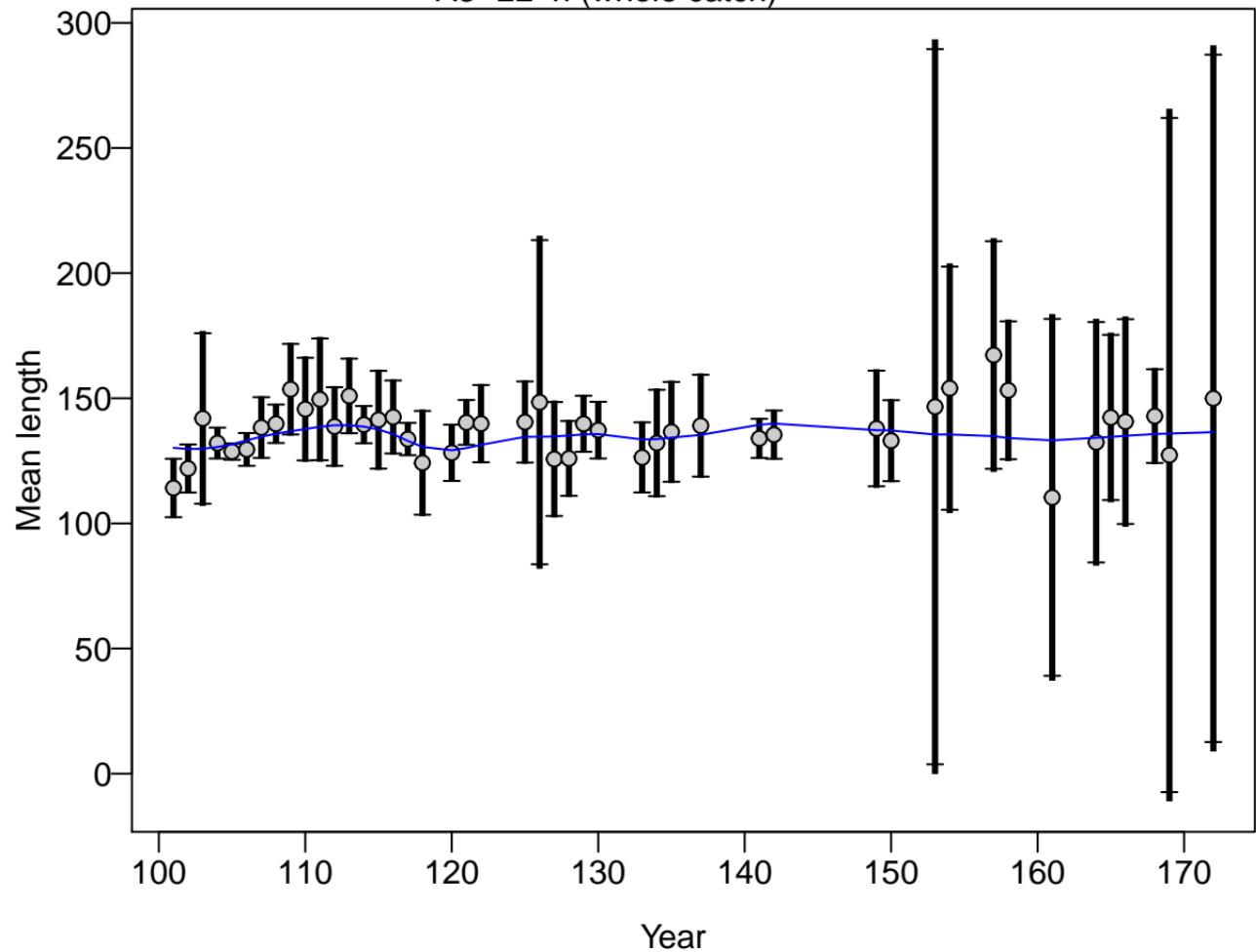


Proportion

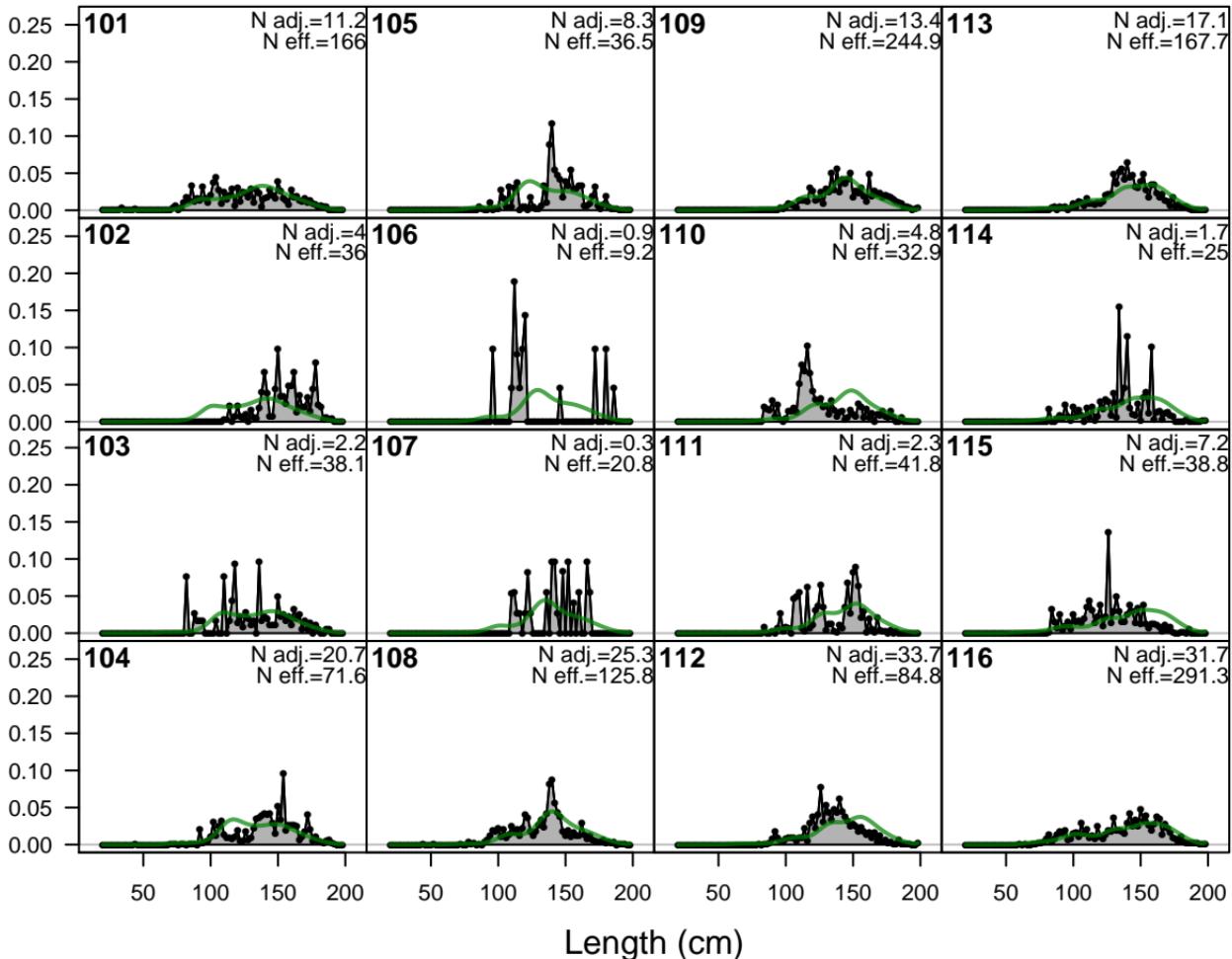




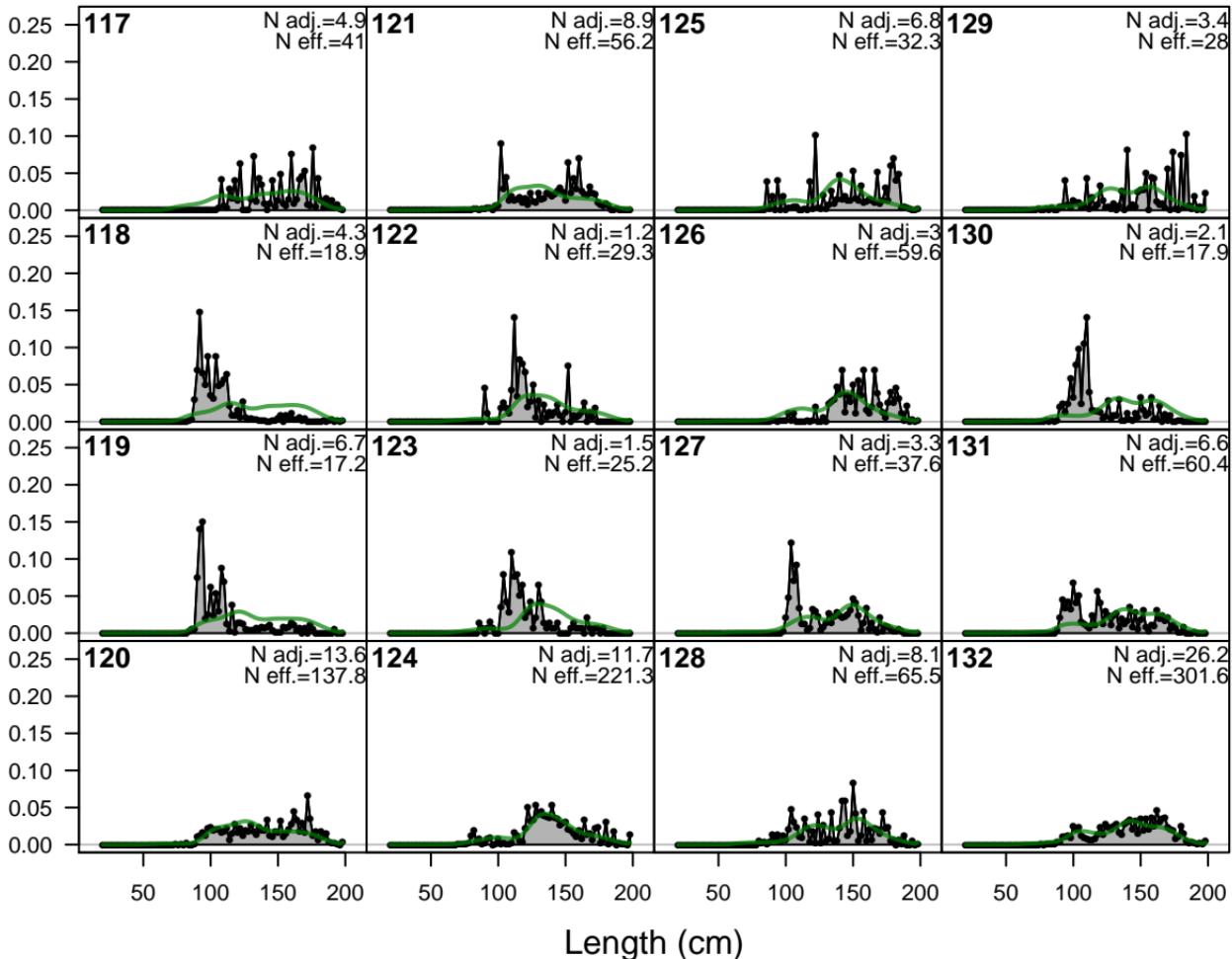
### A3-LL-n (whole catch)



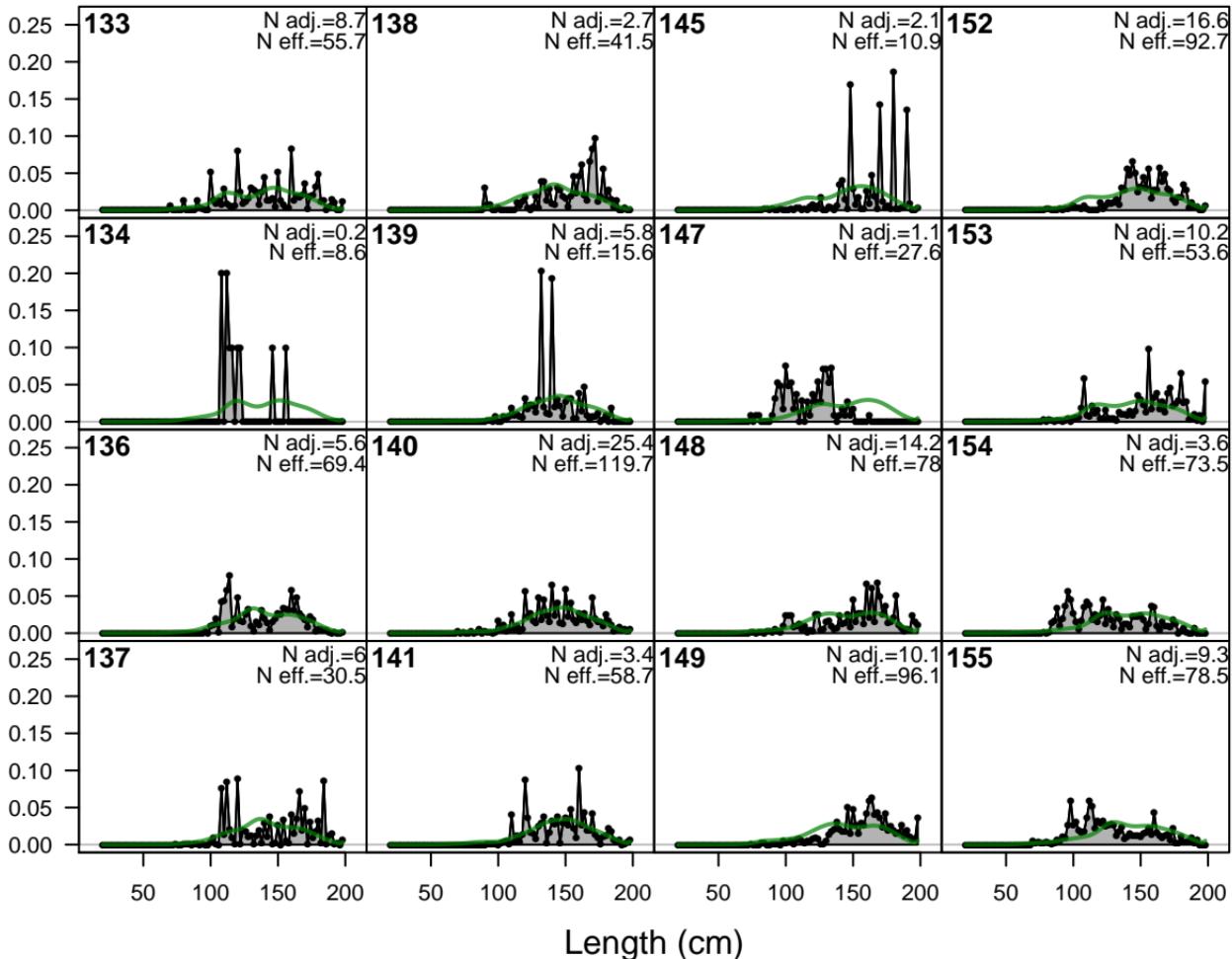
Proportion



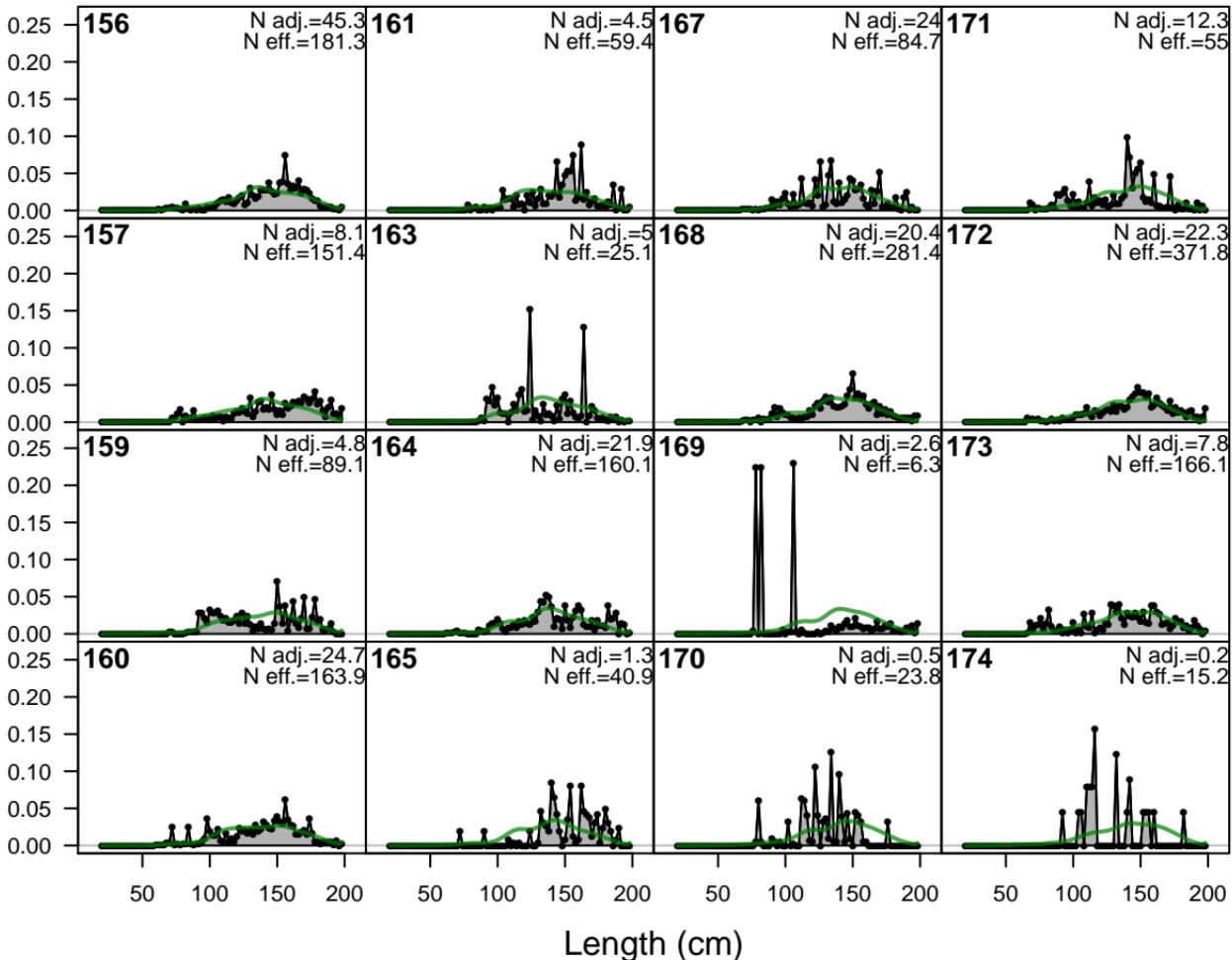
Proportion



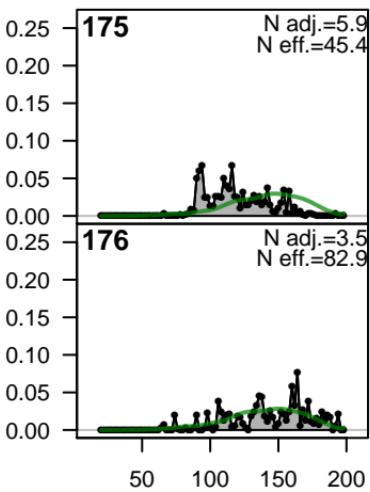
Proportion

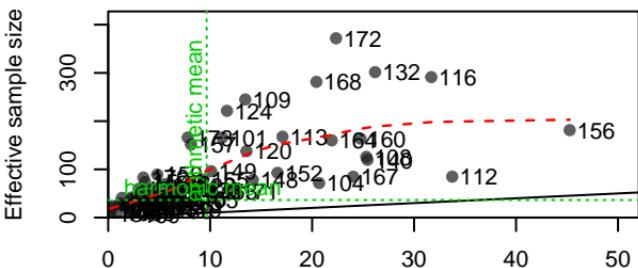
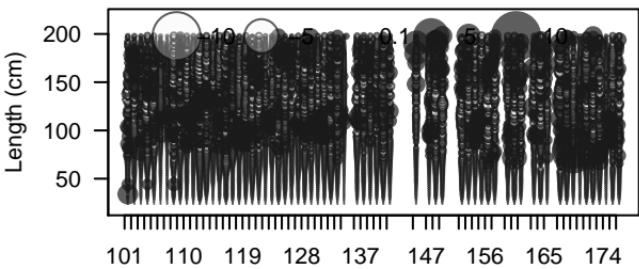


Proportion

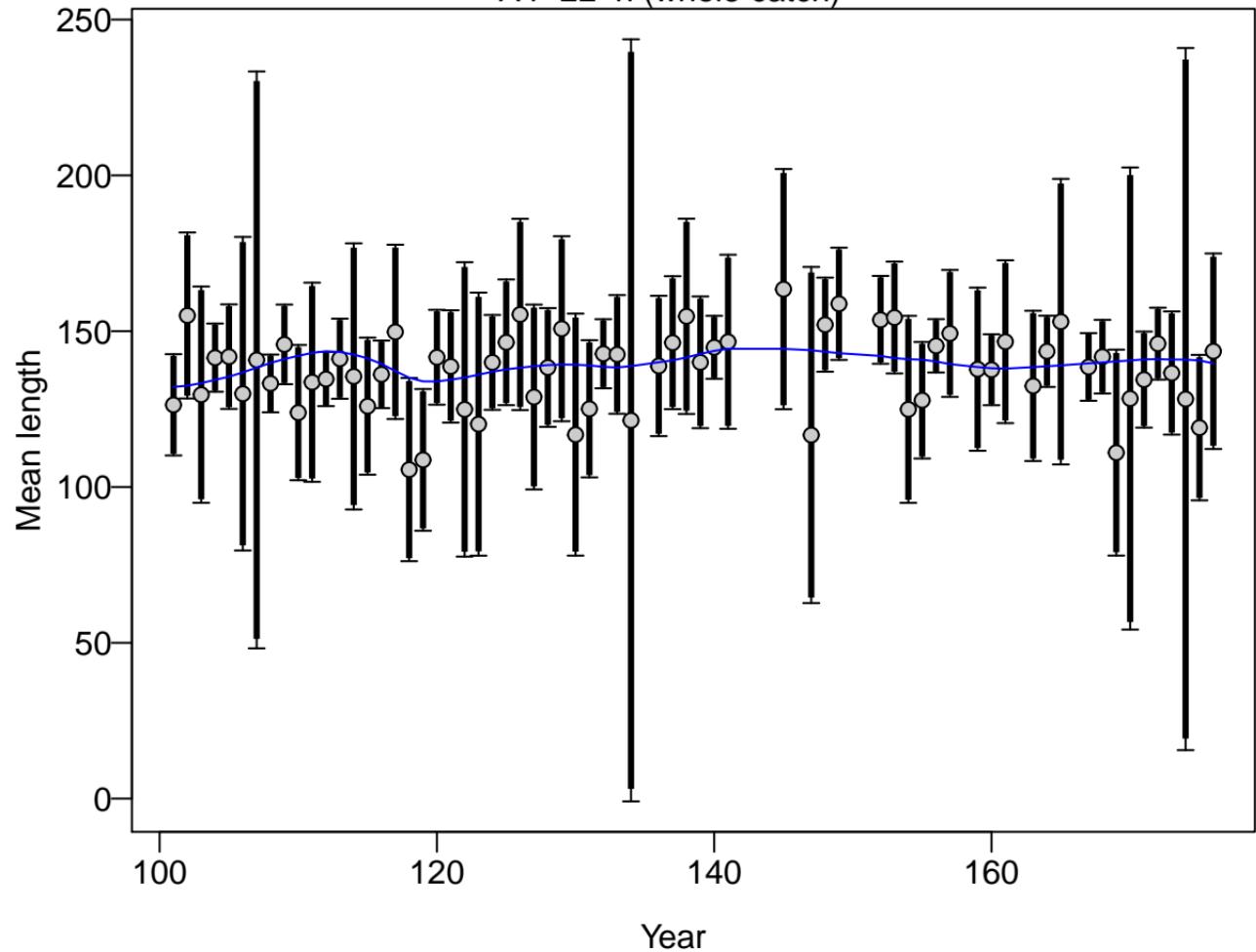


Proportion

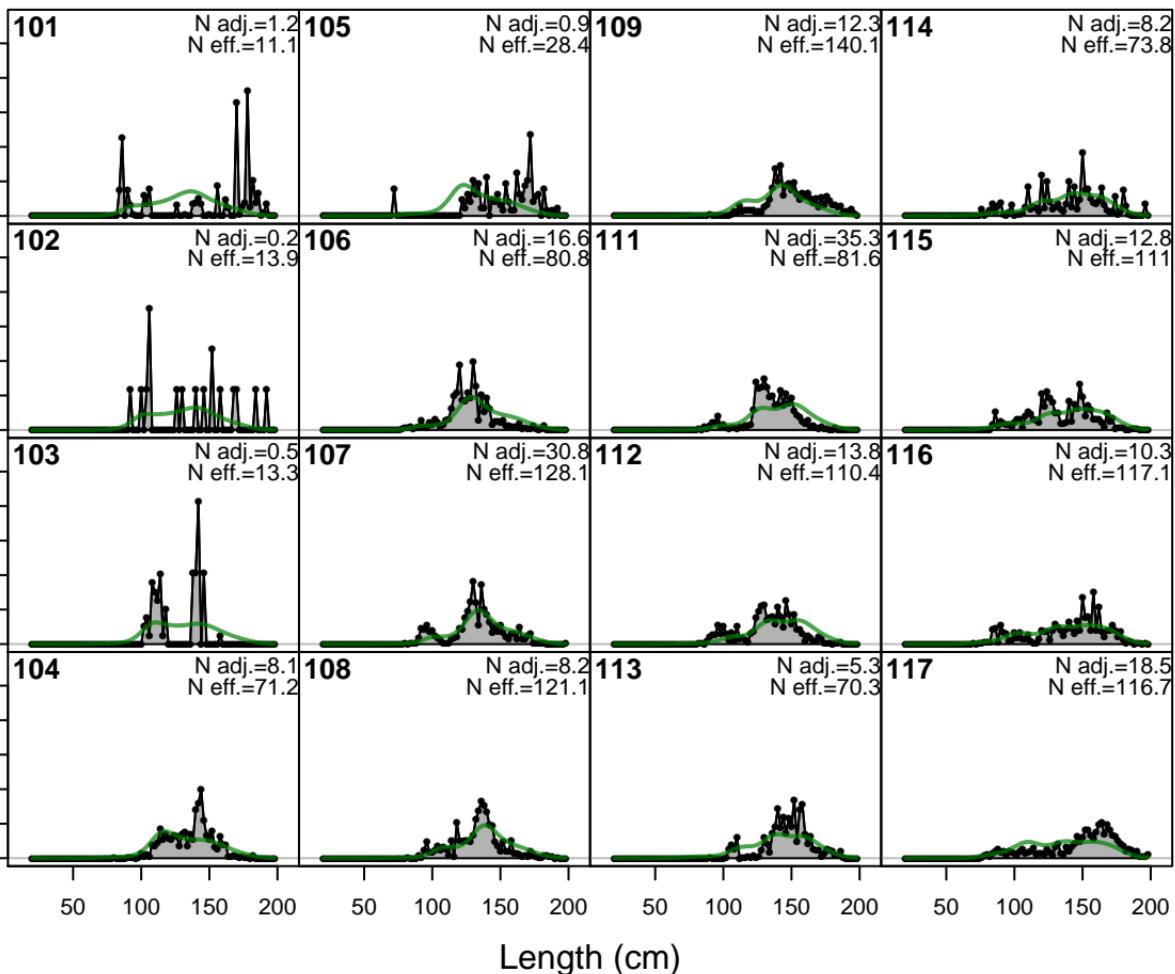




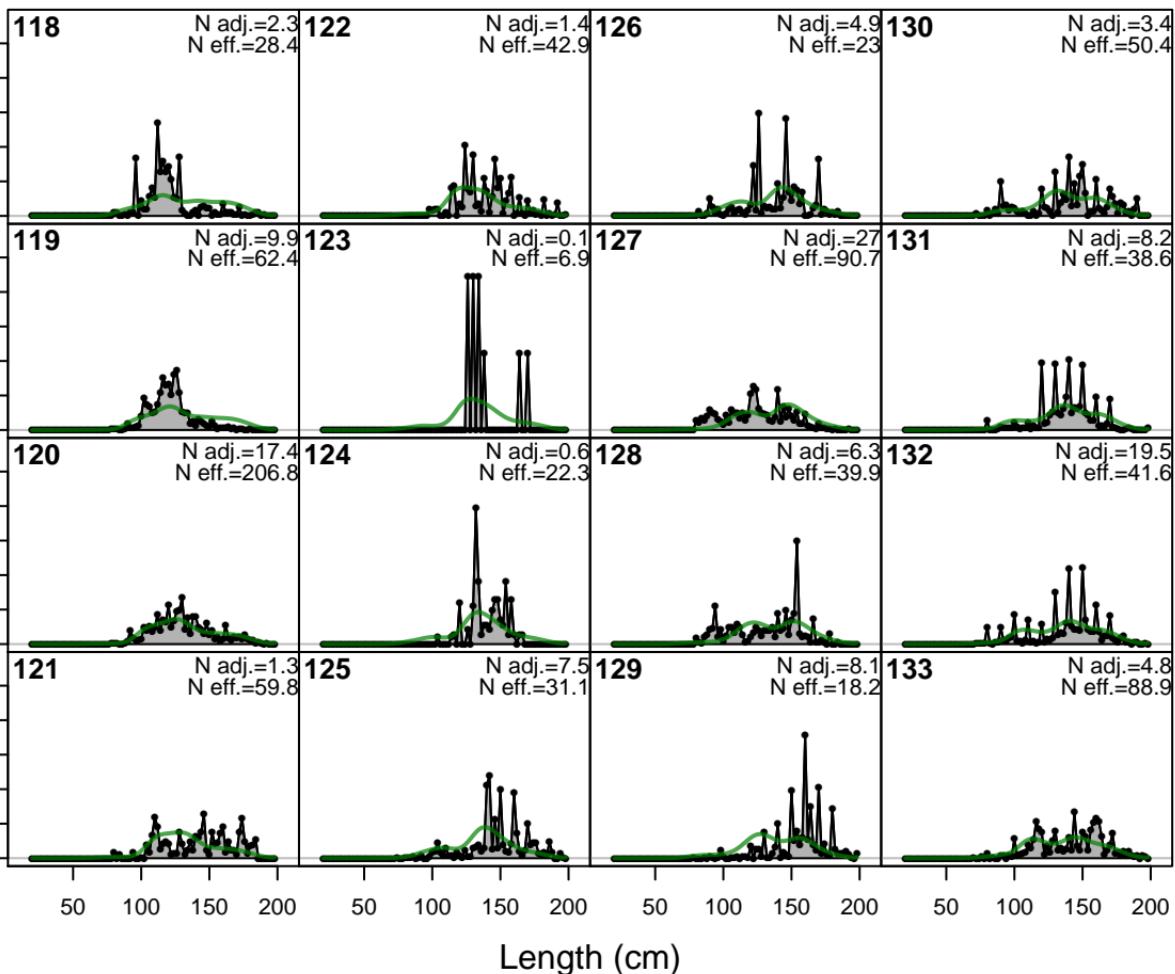
### A4-LL-n (whole catch)



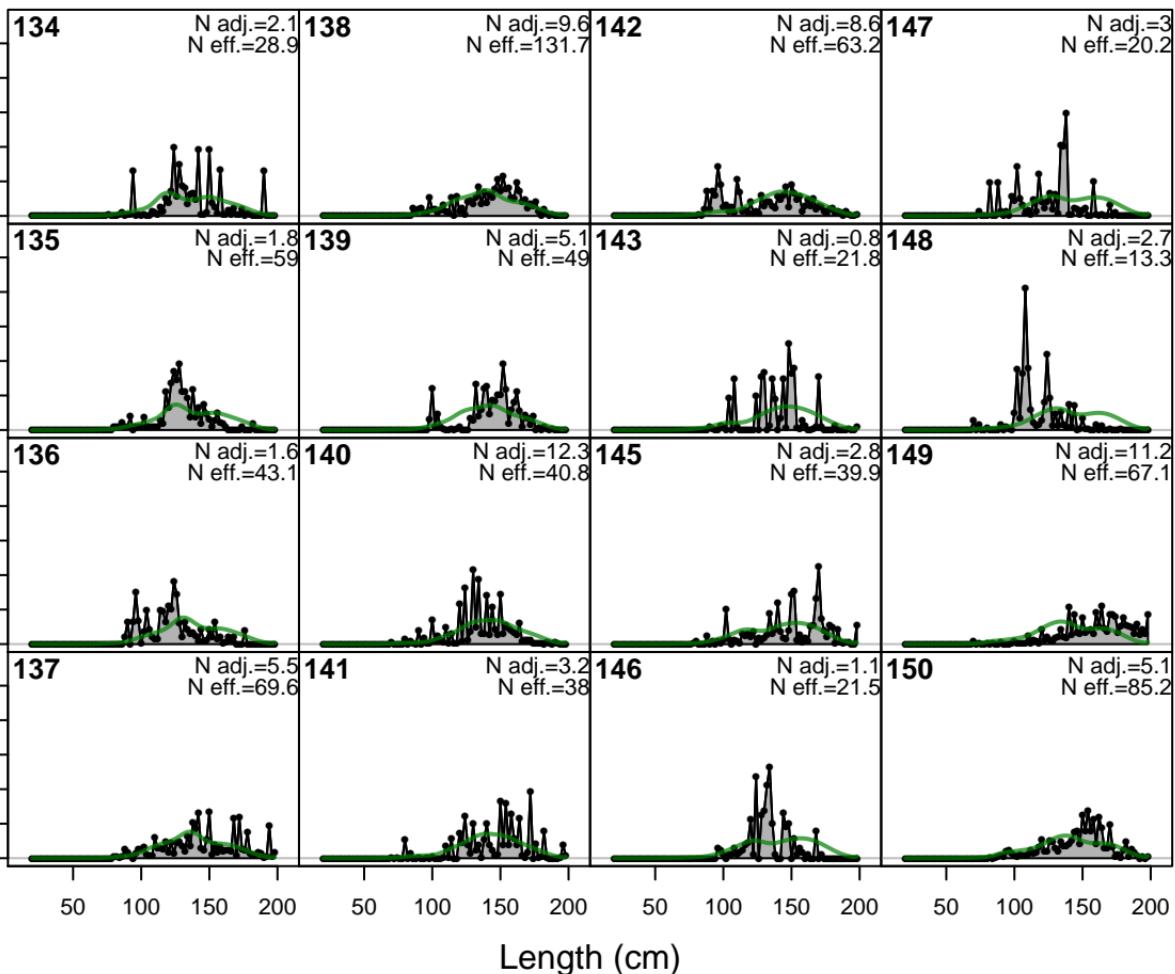
Proportion



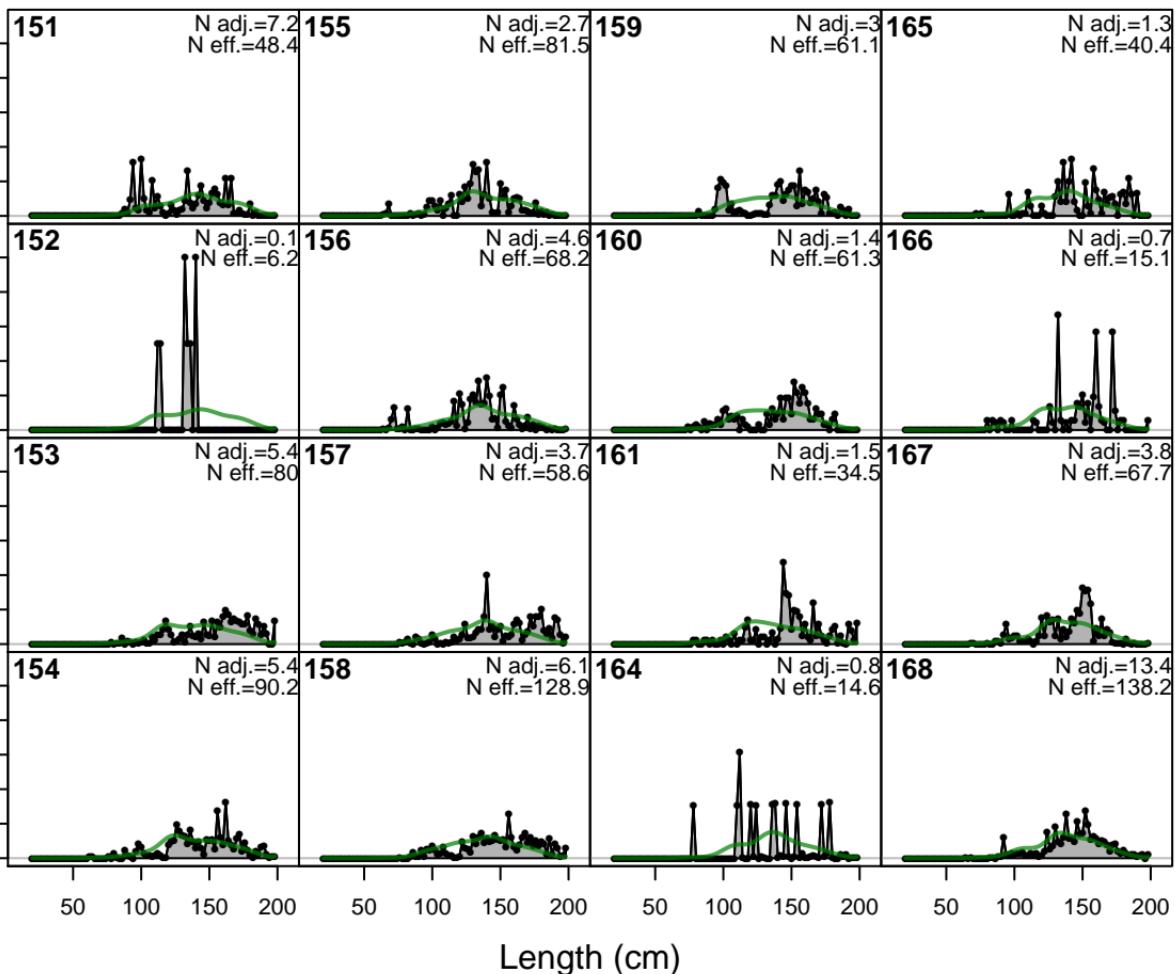
Proportion



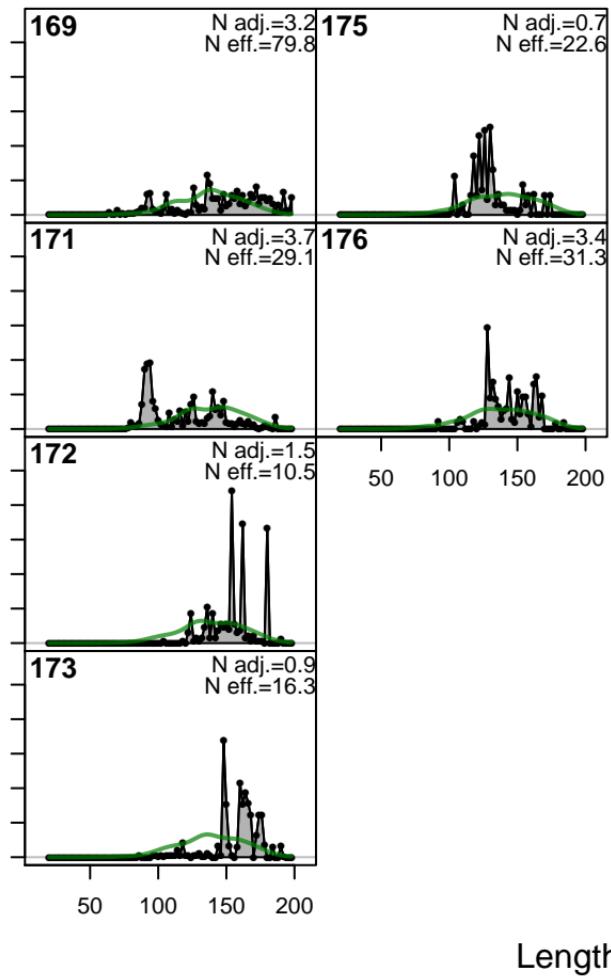
Proportion

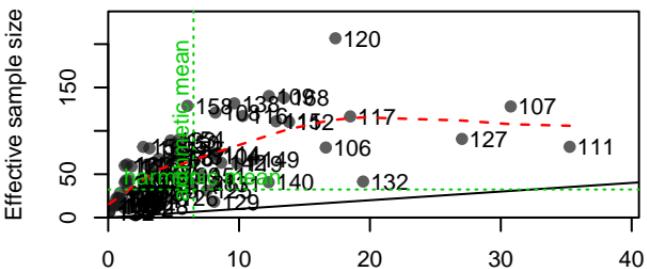
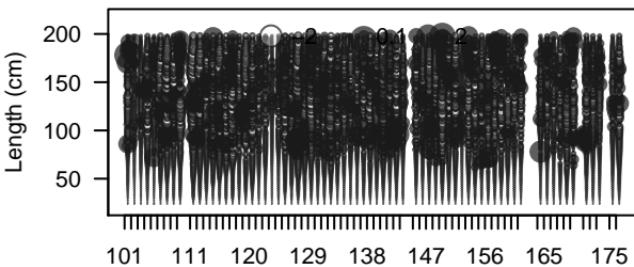


Proportion

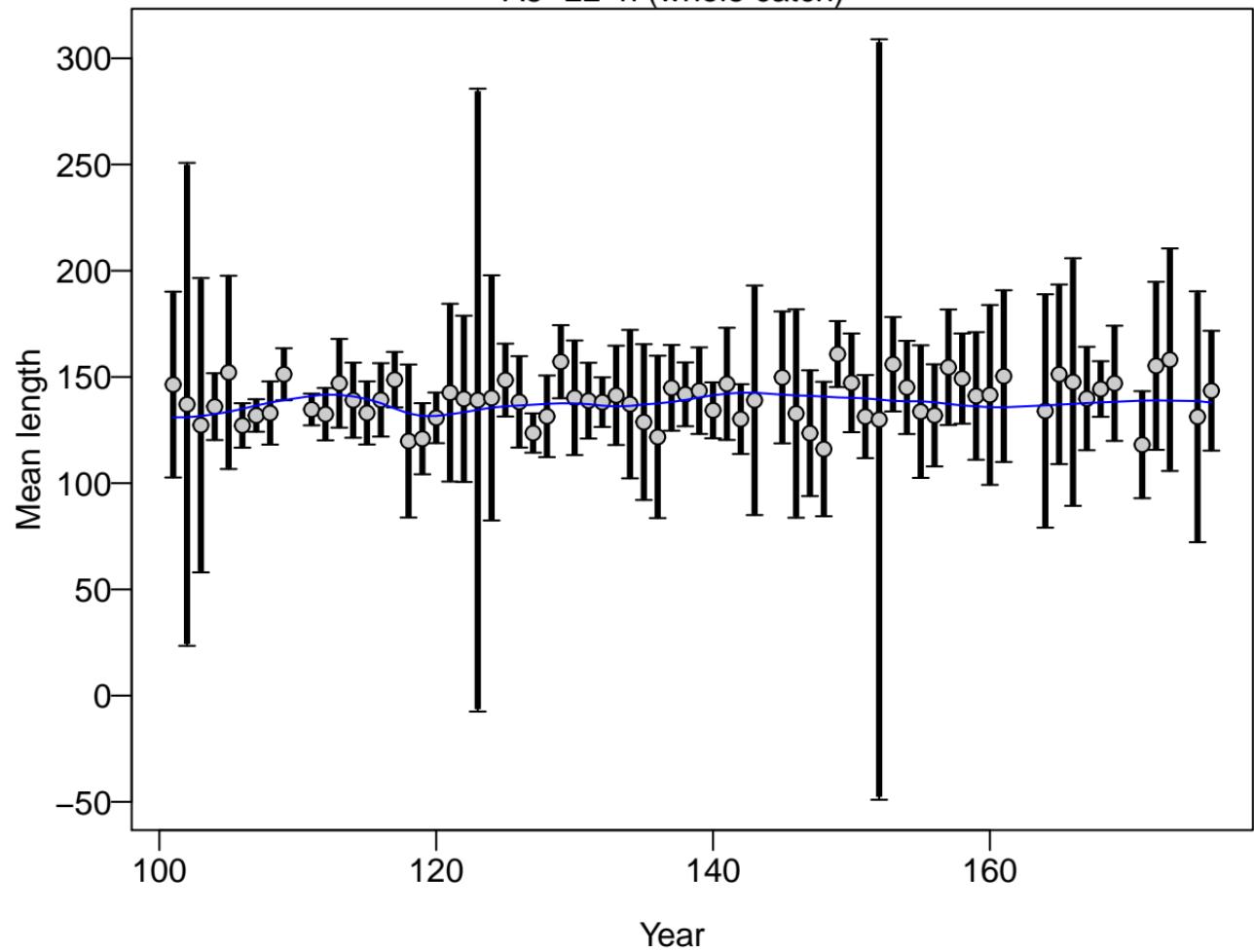


Proportion

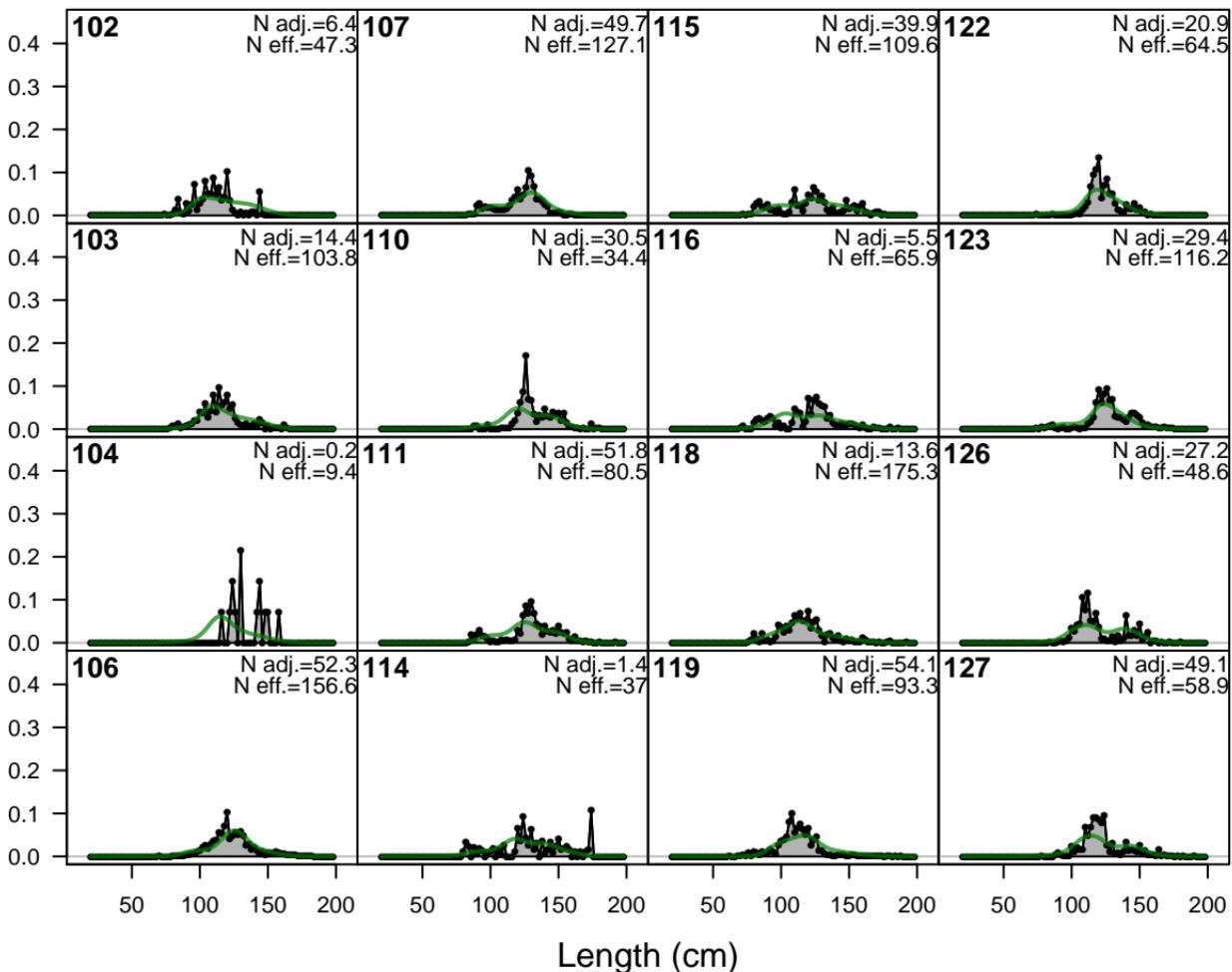




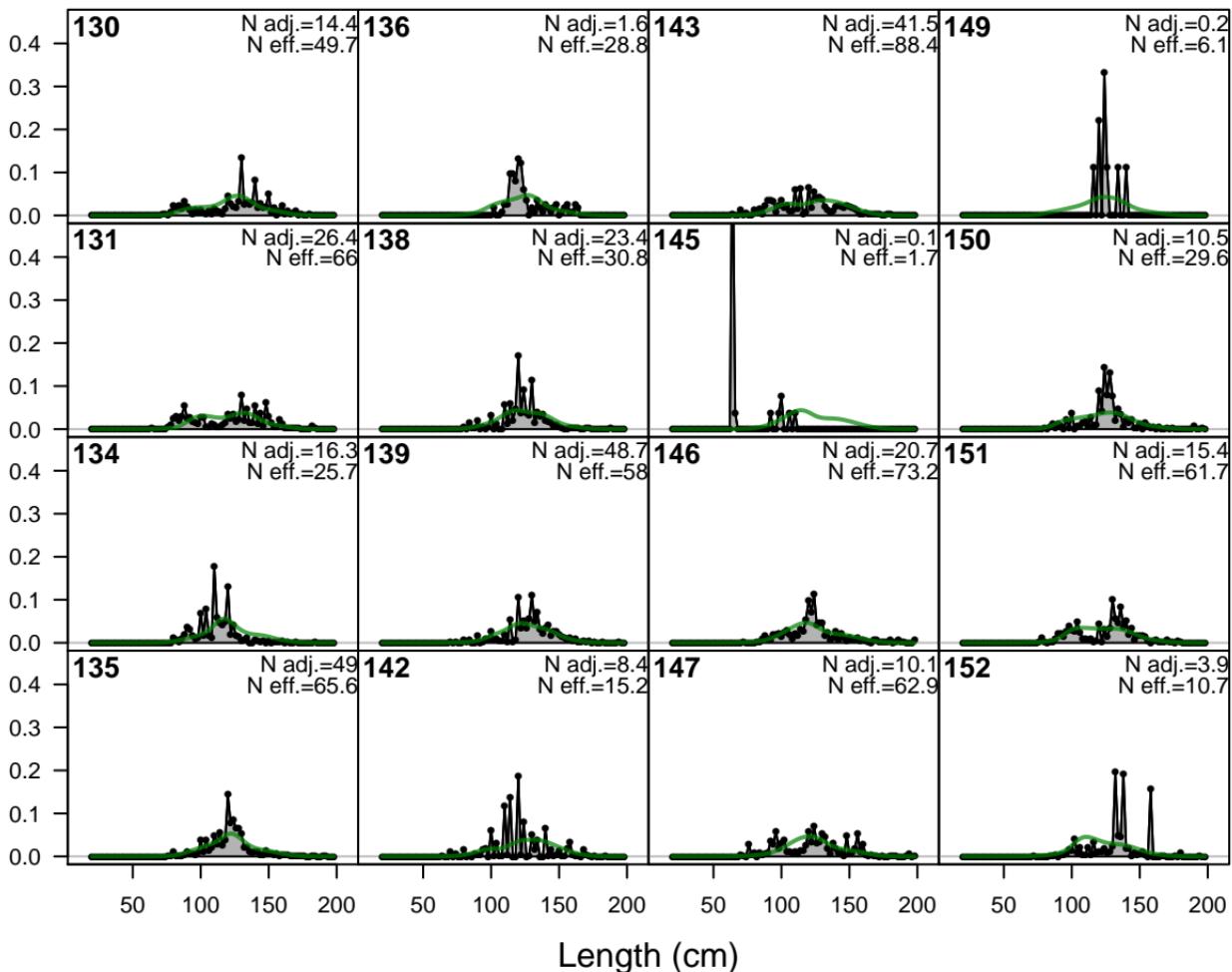
### A5-LL-n (whole catch)



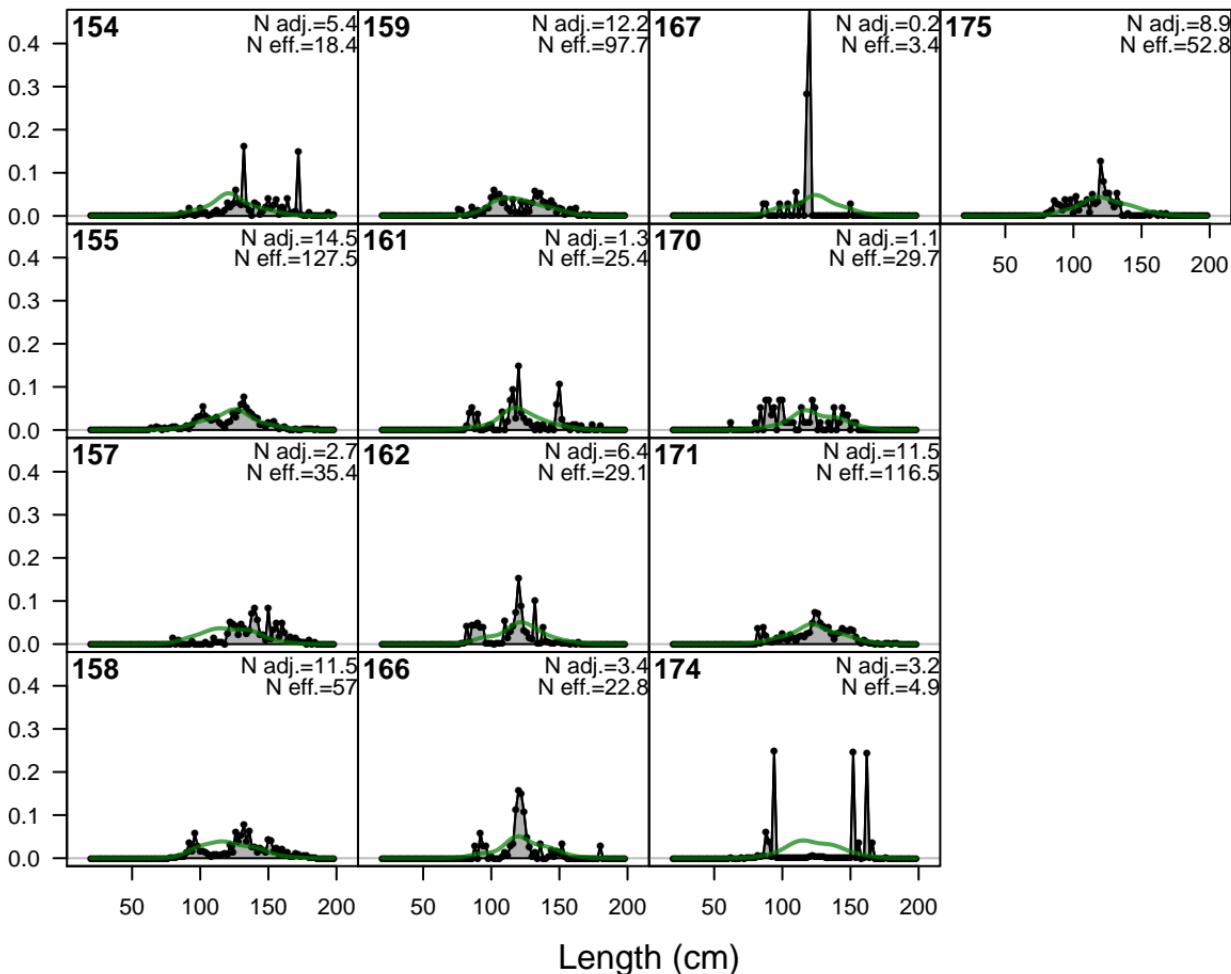
Proportion

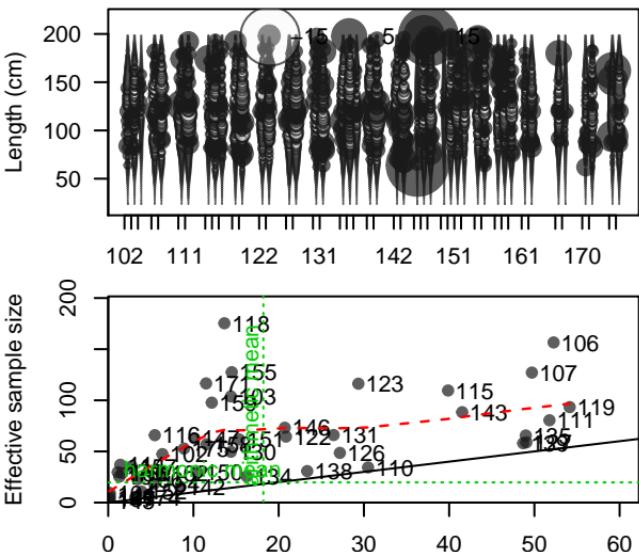


Proportion

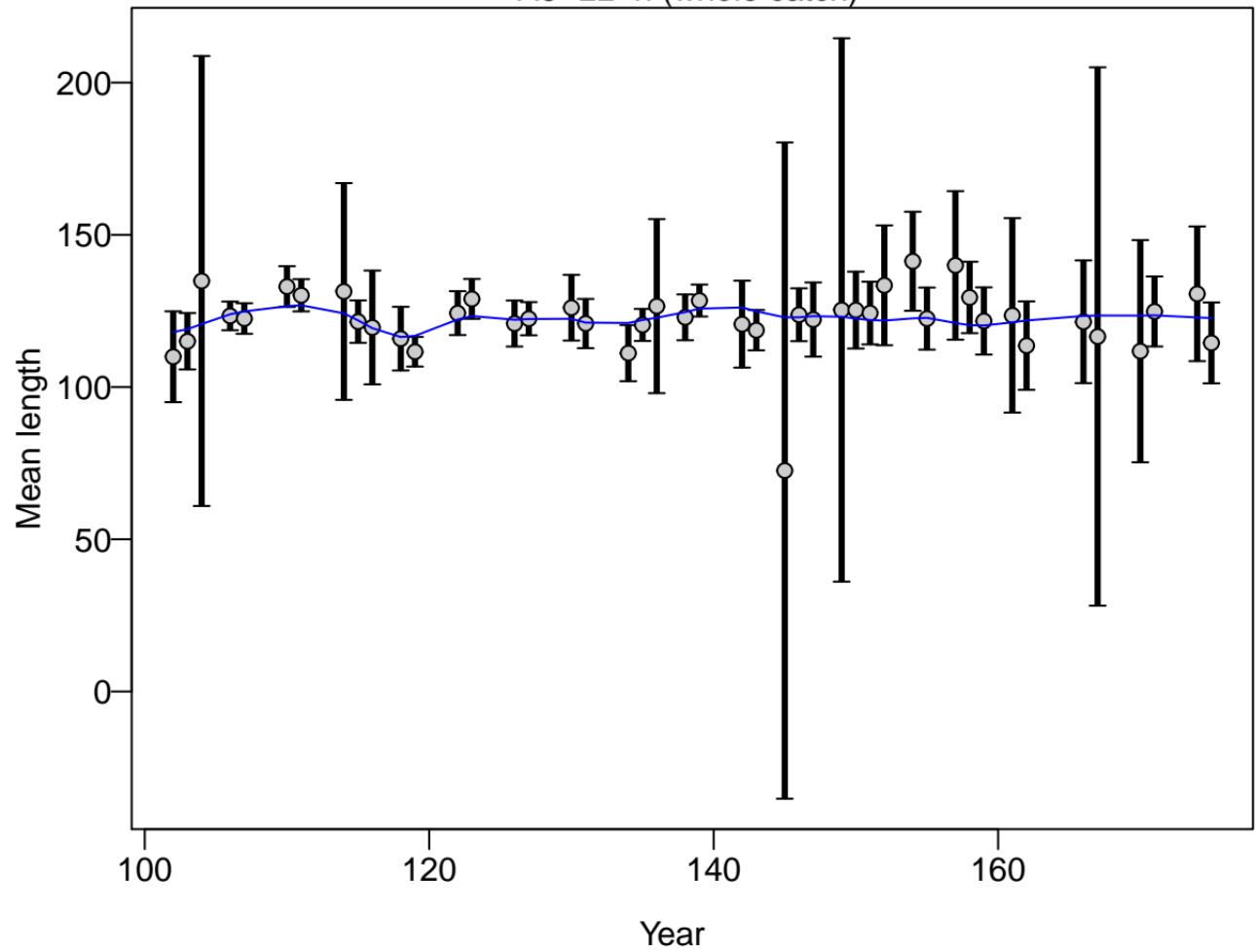


Proportion

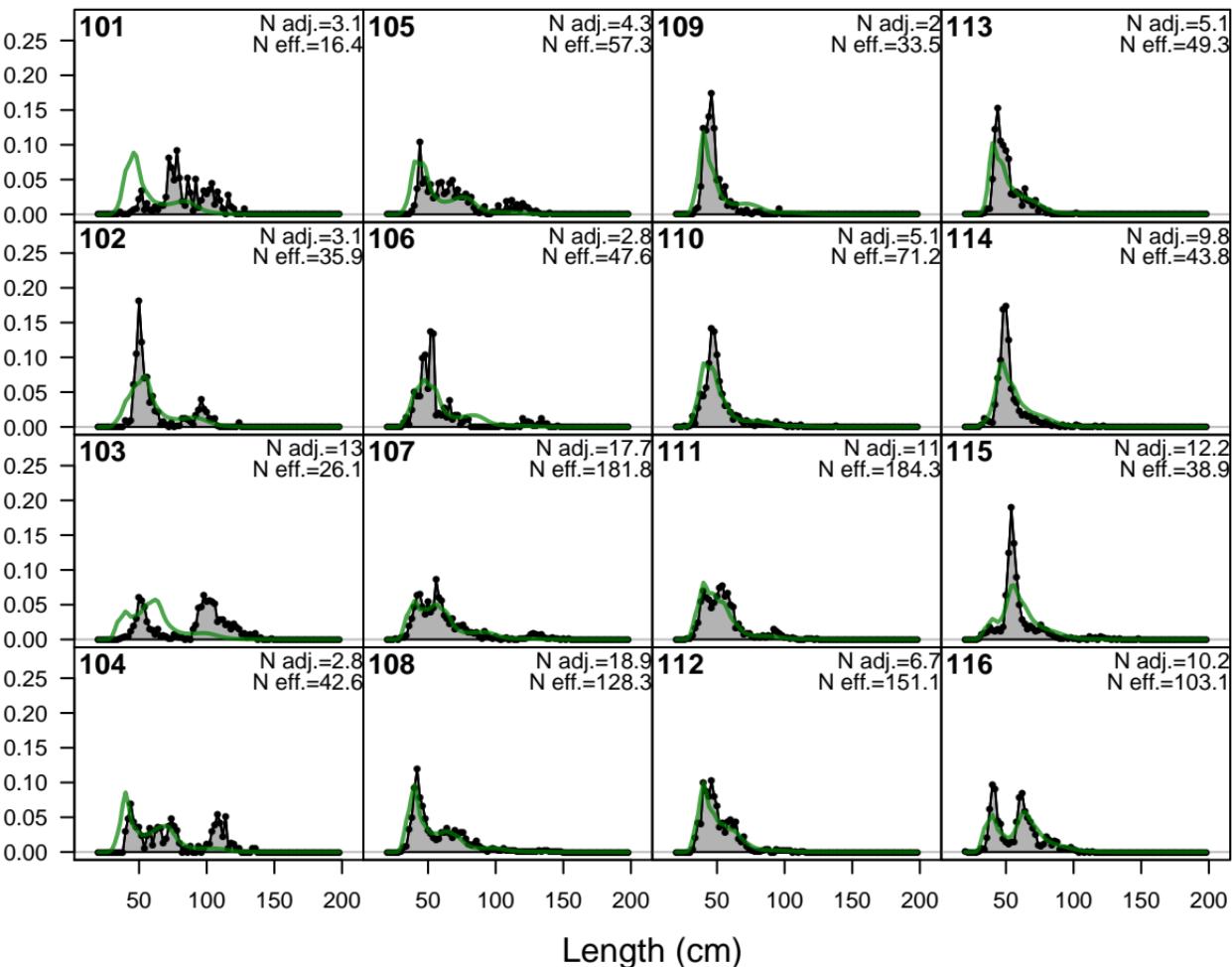




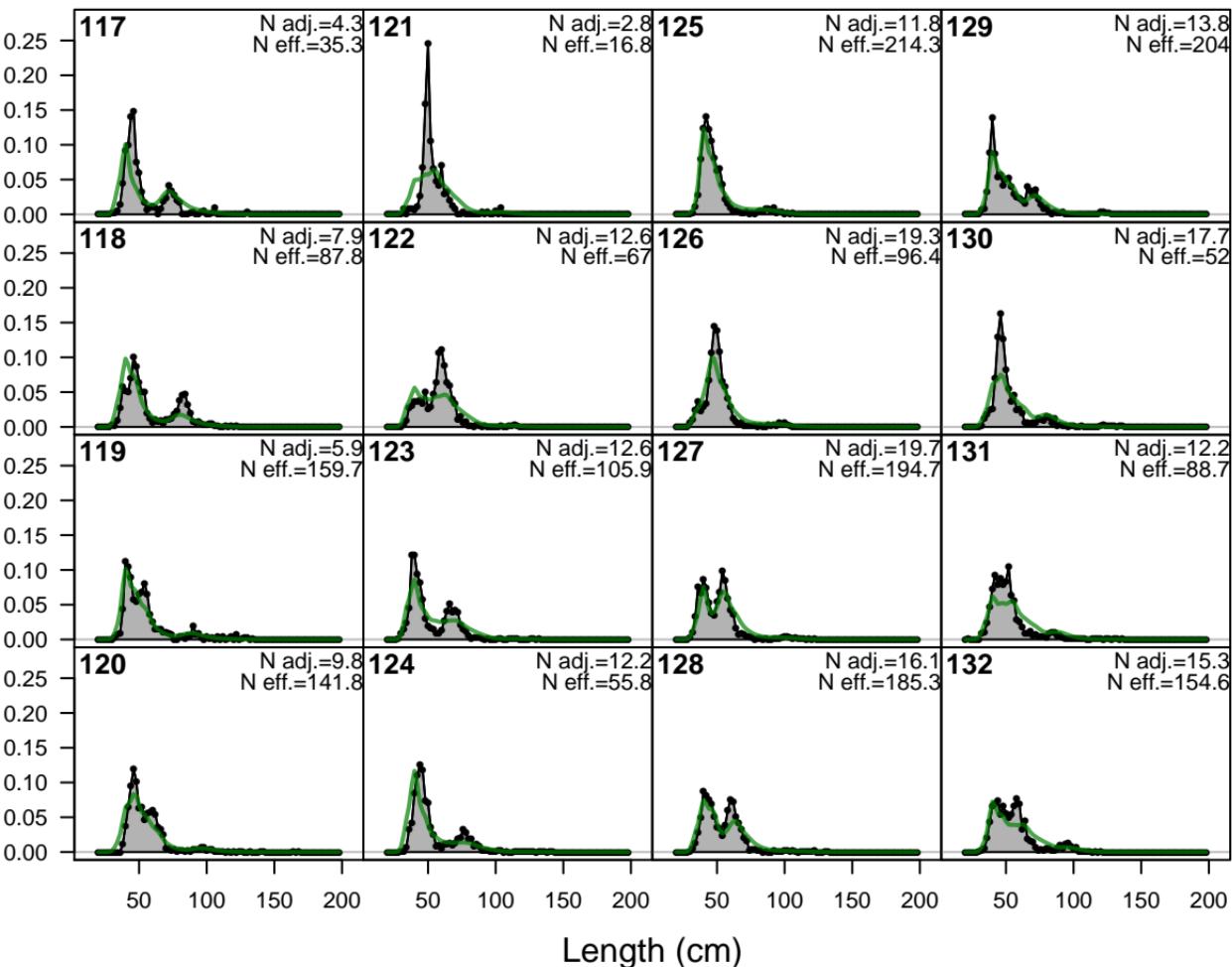
### A6-LL-n (whole catch)



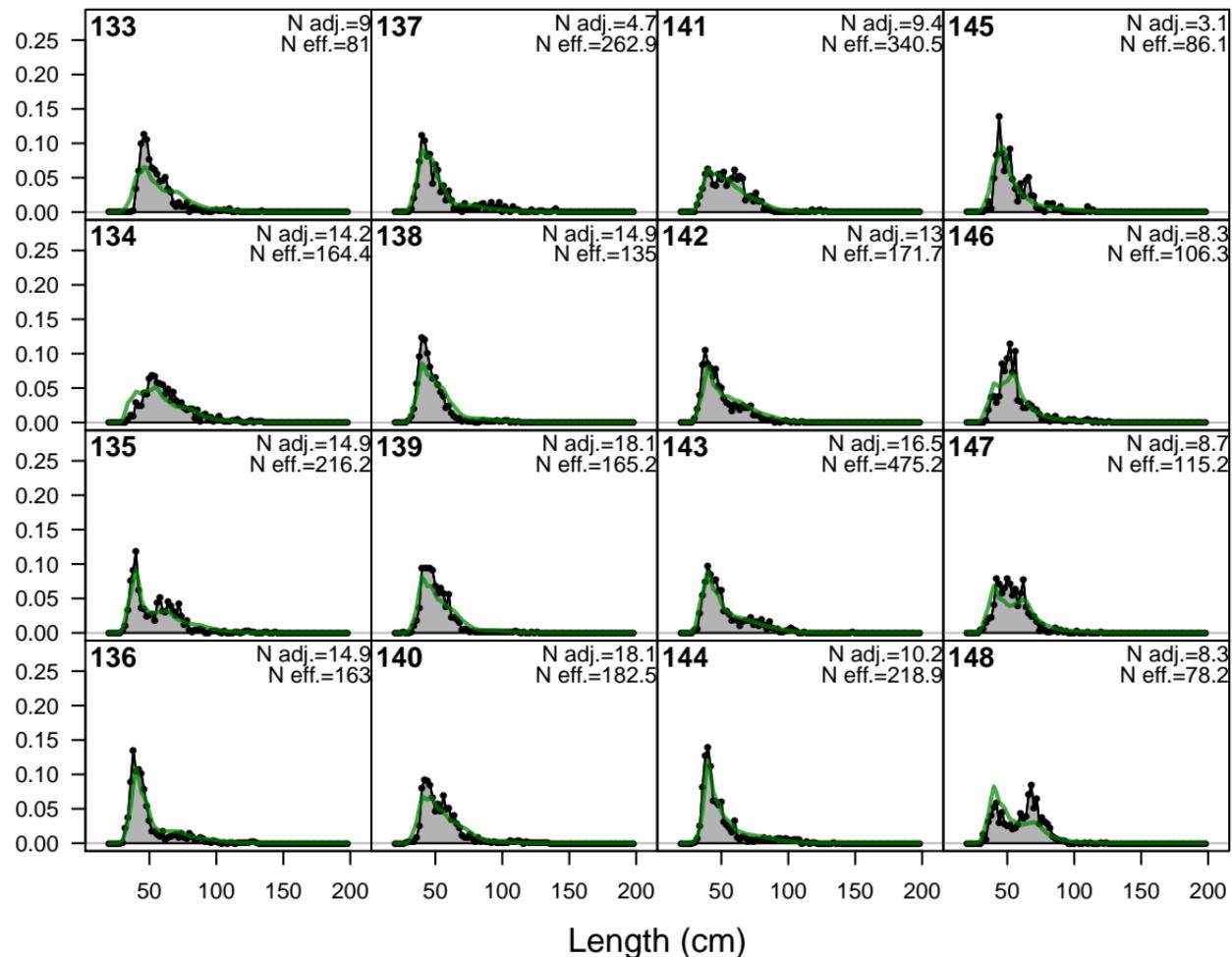
Proportion



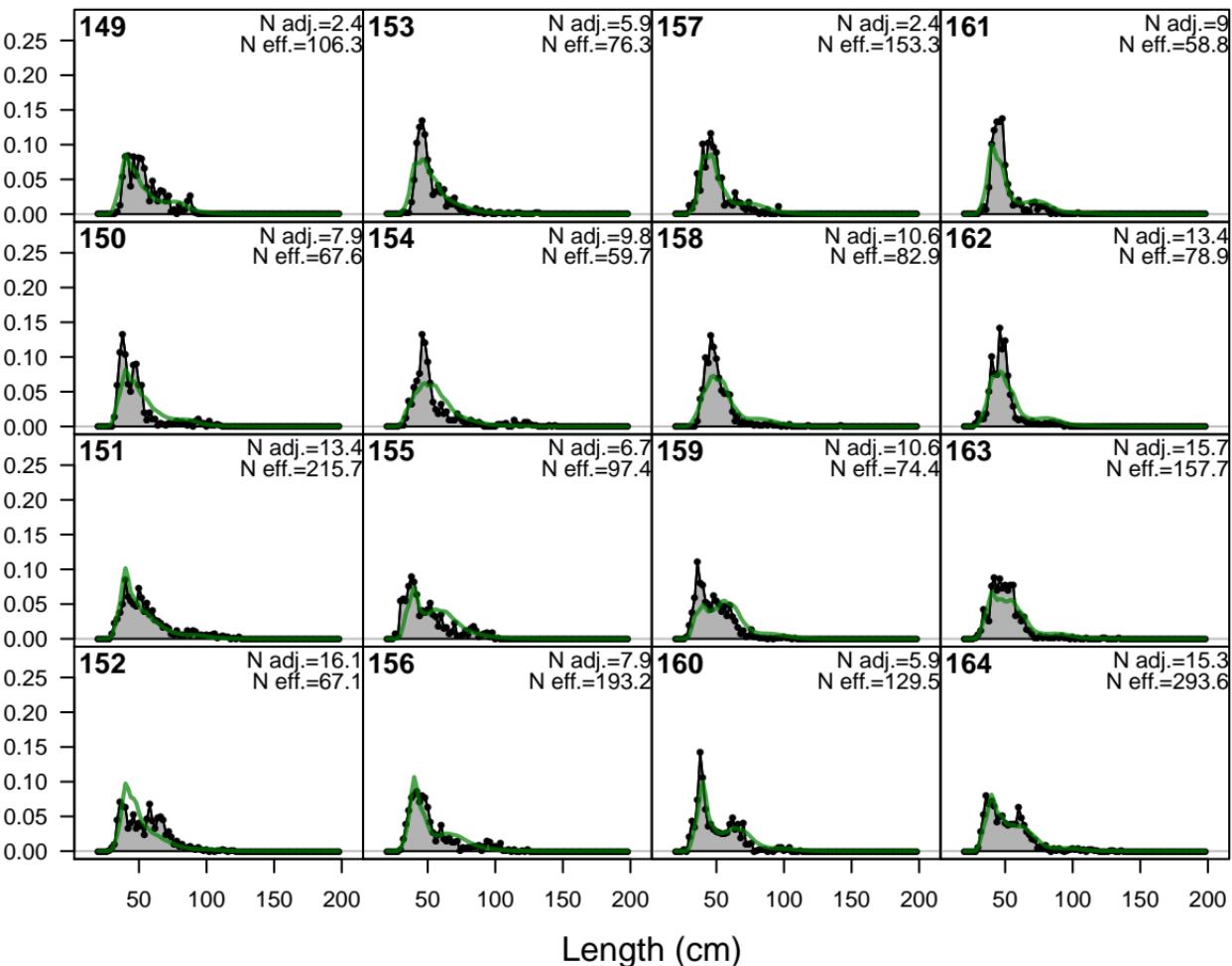
Proportion



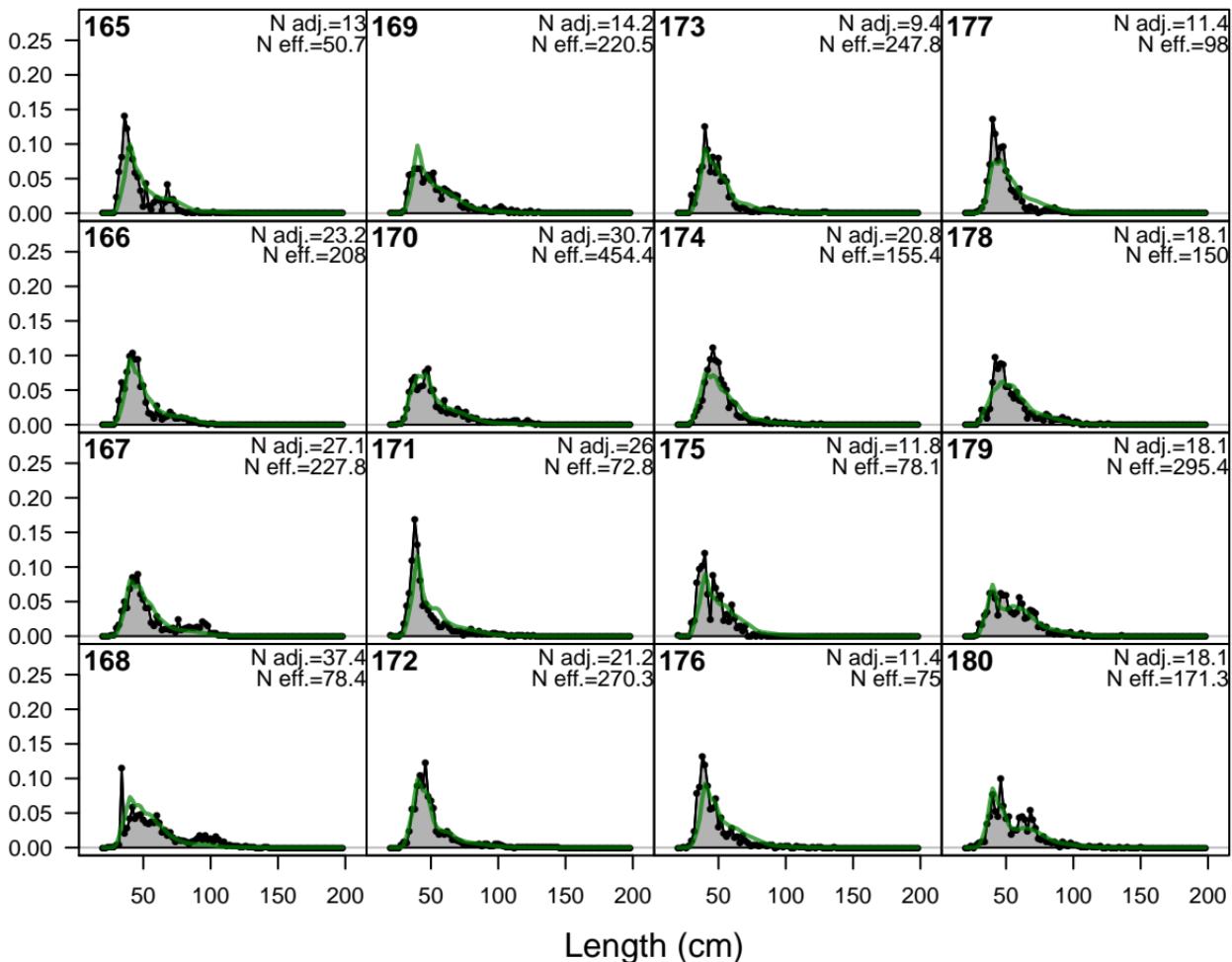
Proportion

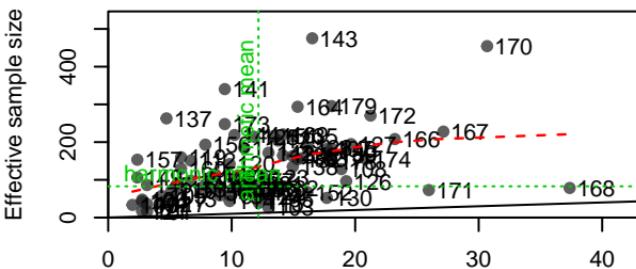
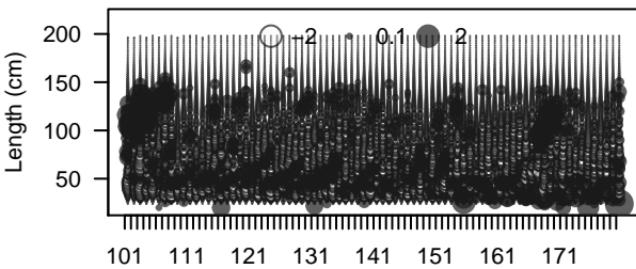


Proportion

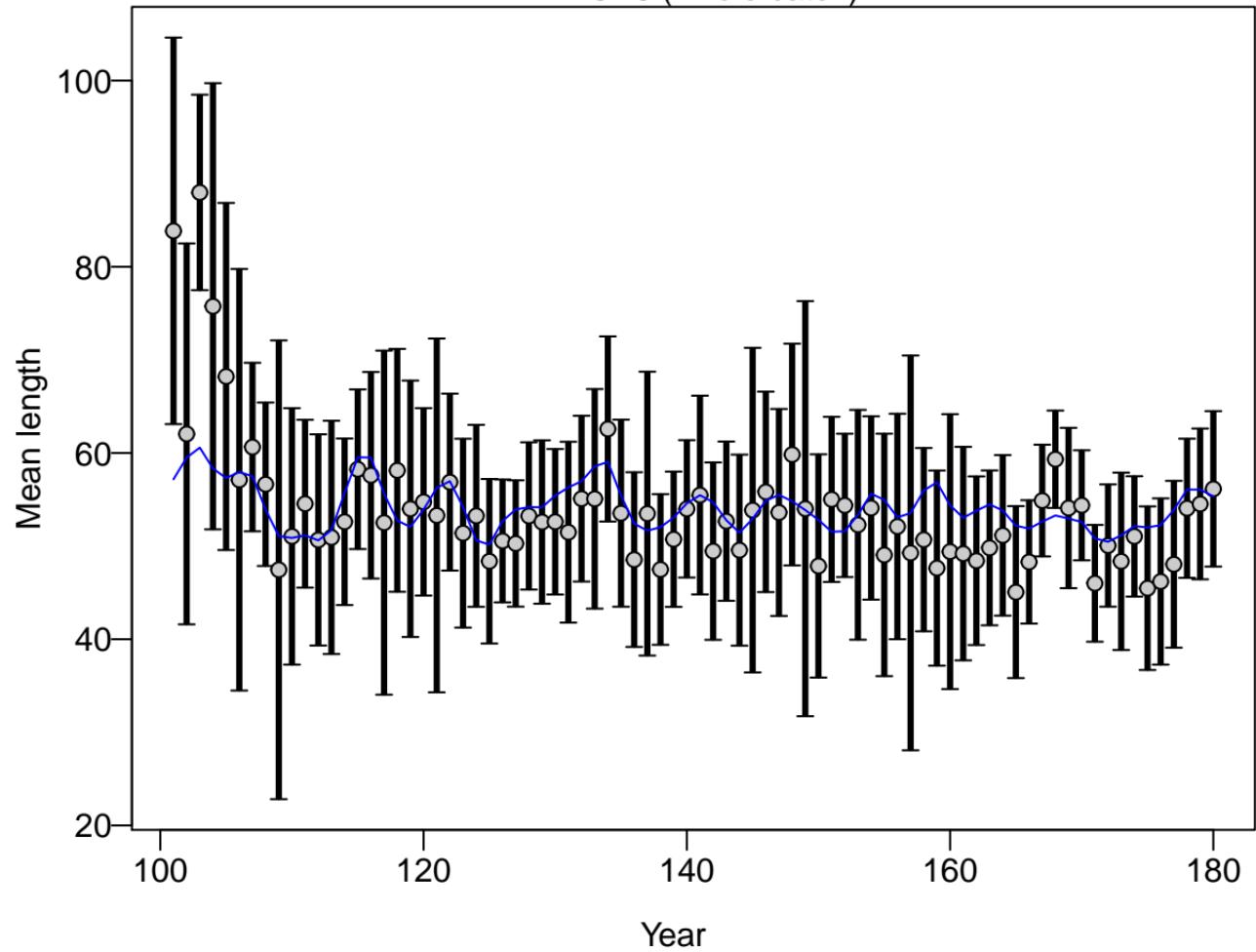


Proportion

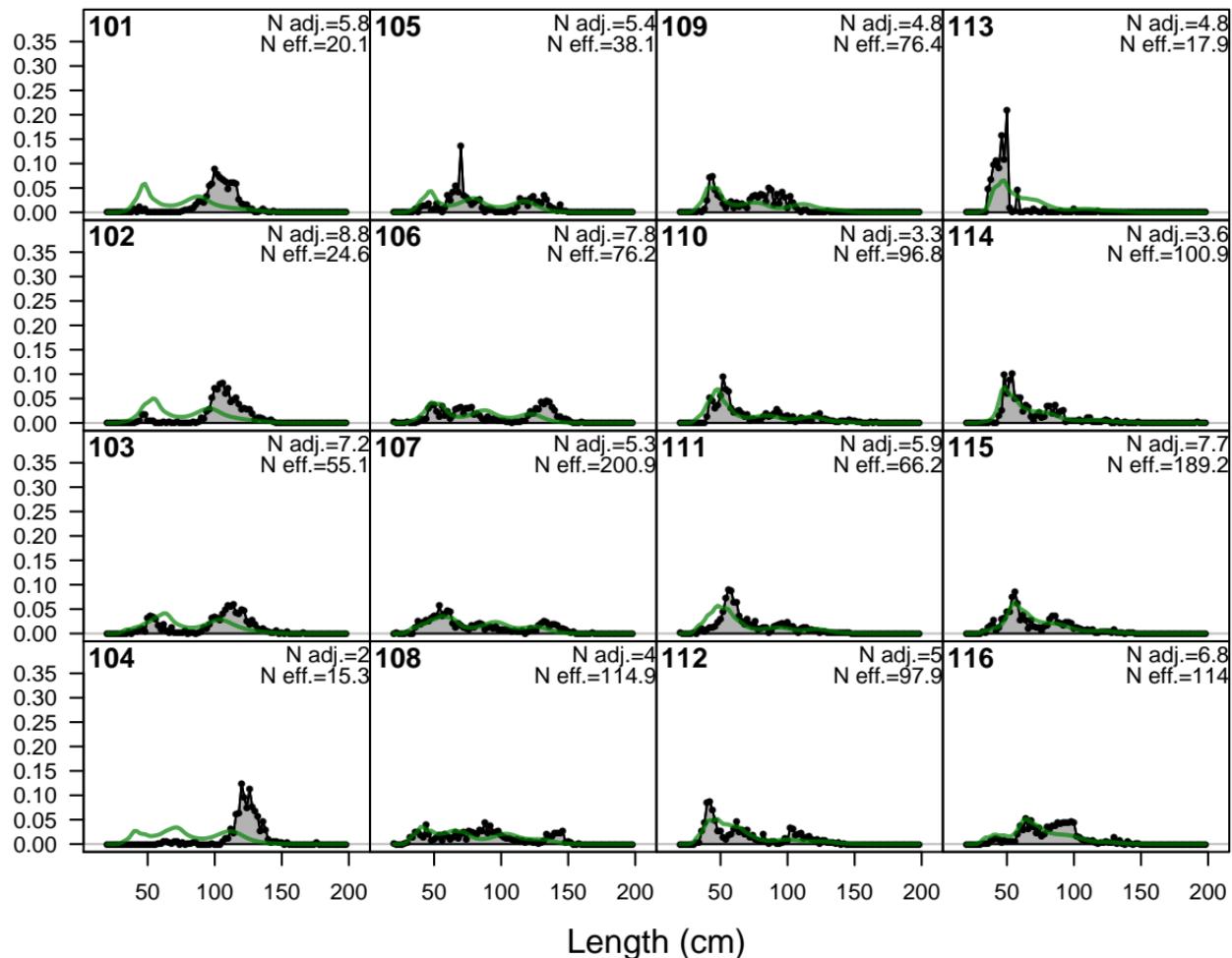




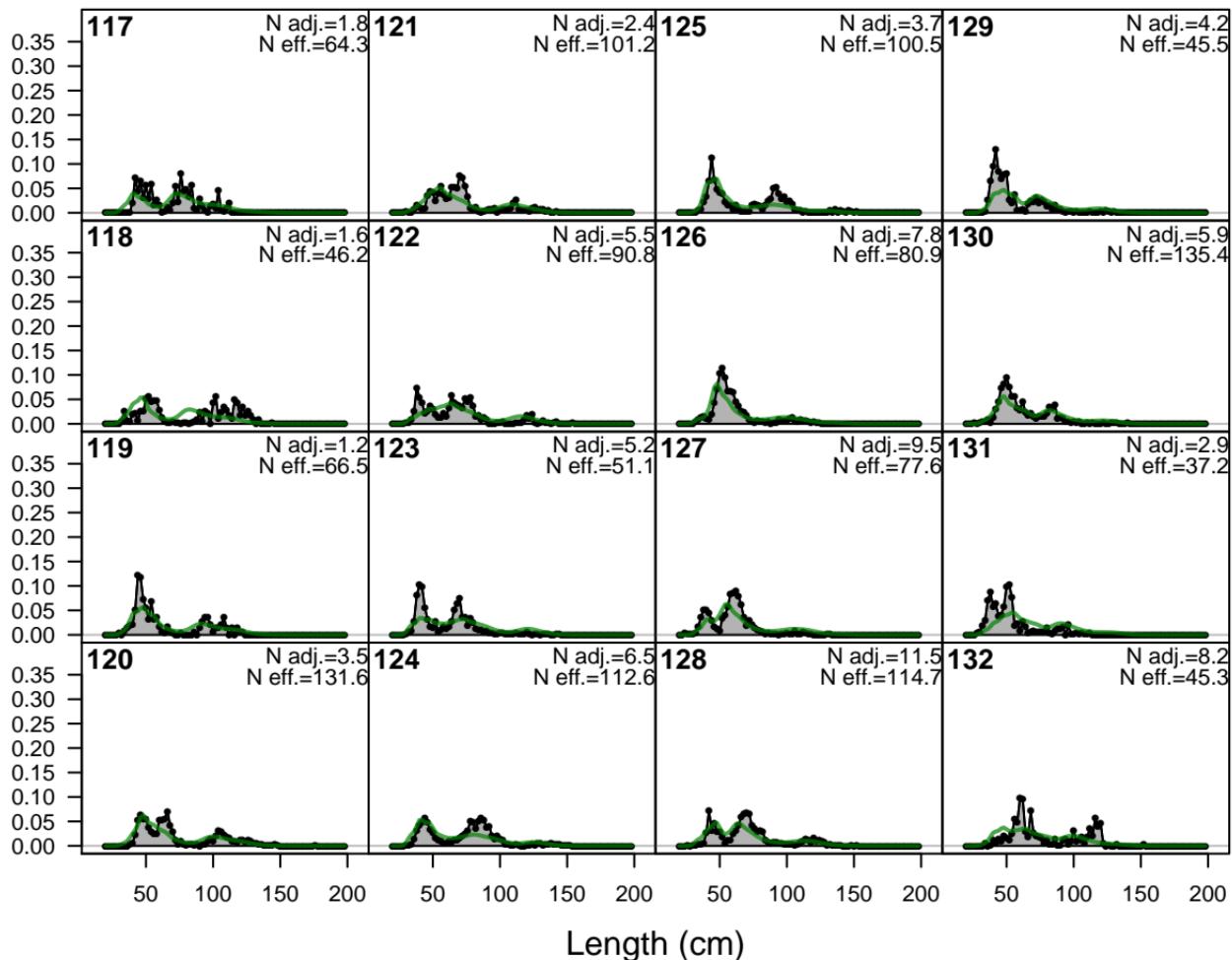
# A2-OBJ (whole catch)



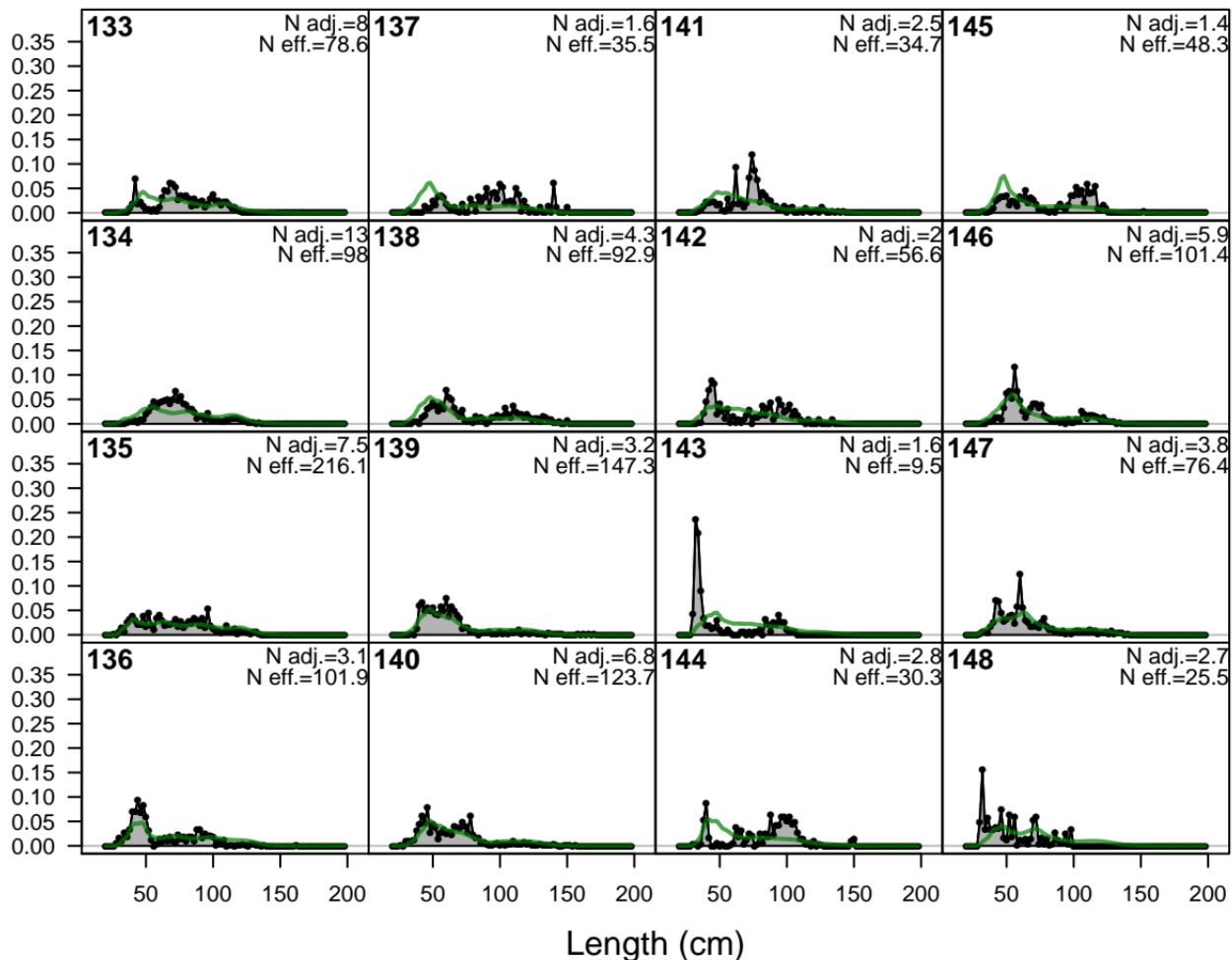
Proportion



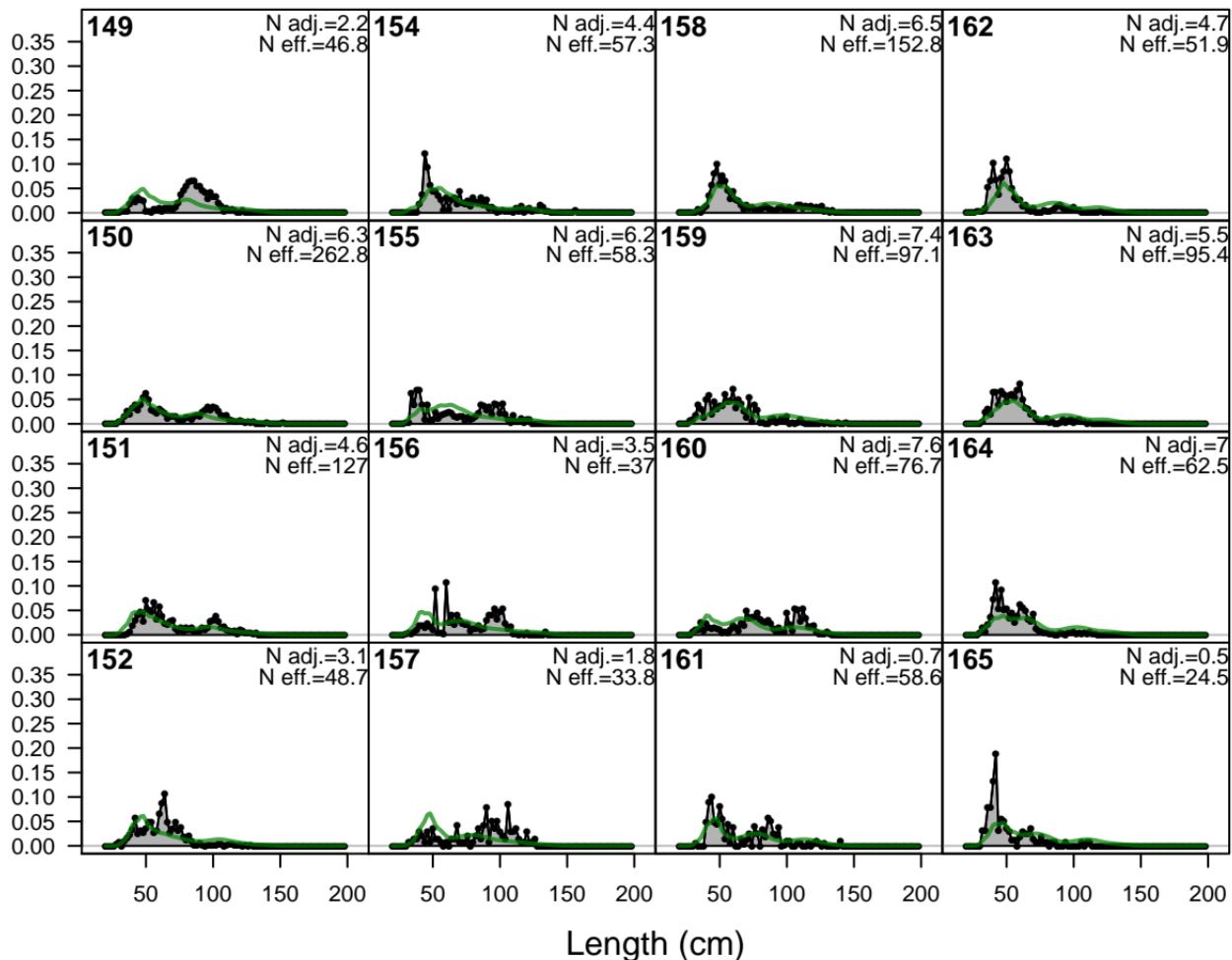
Proportion



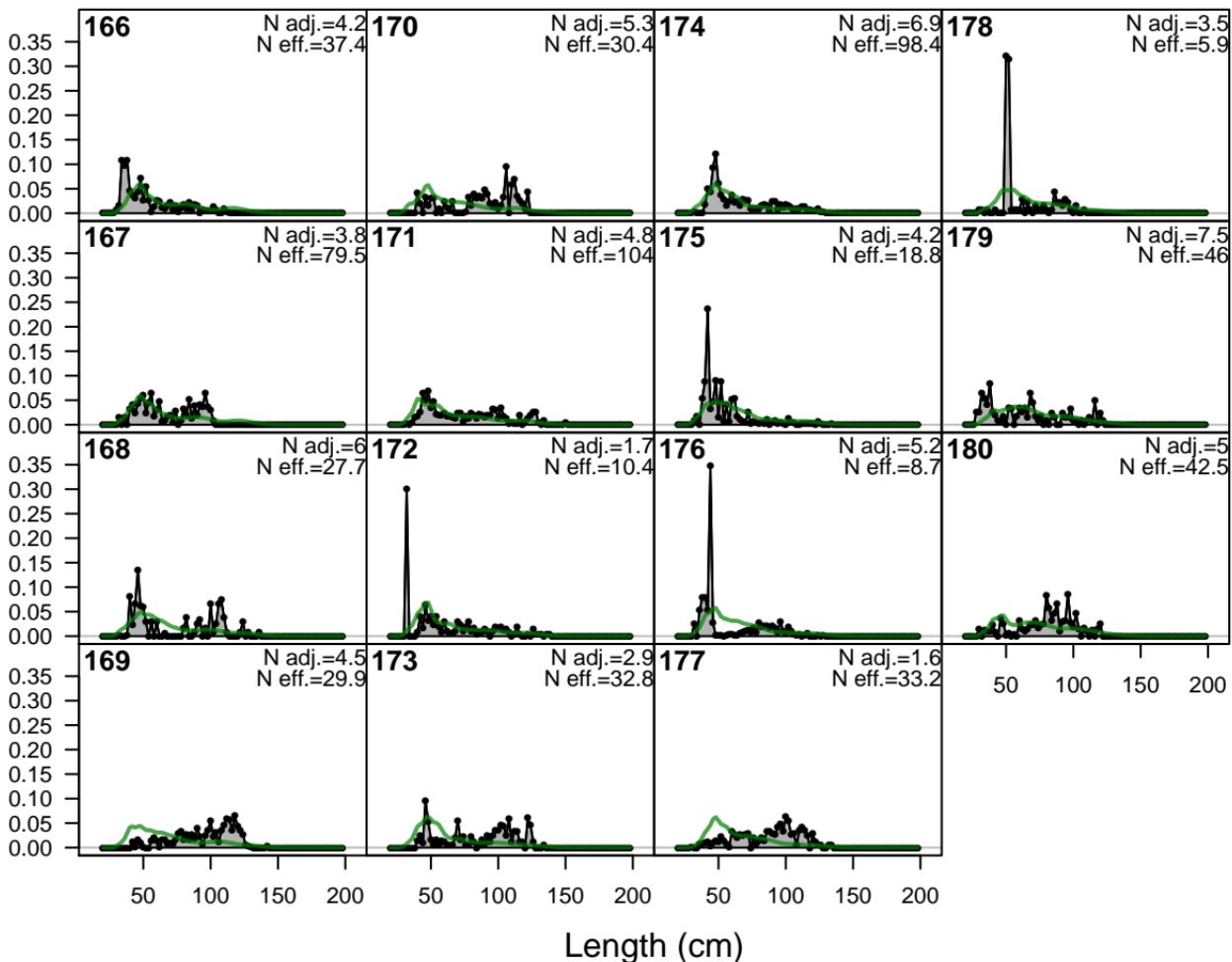
Proportion

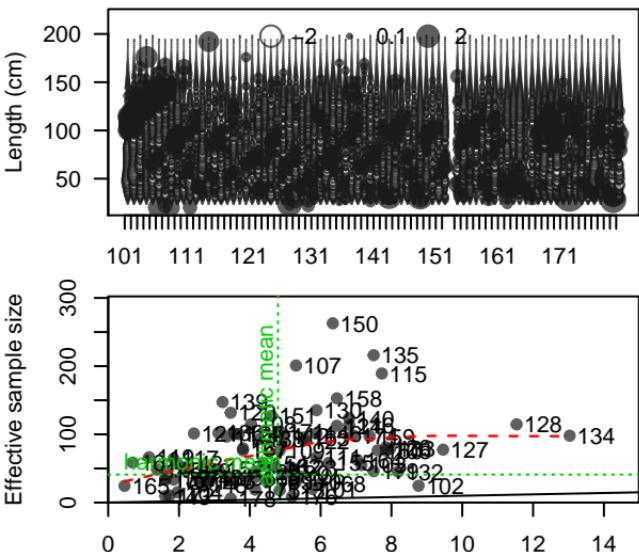


Proportion

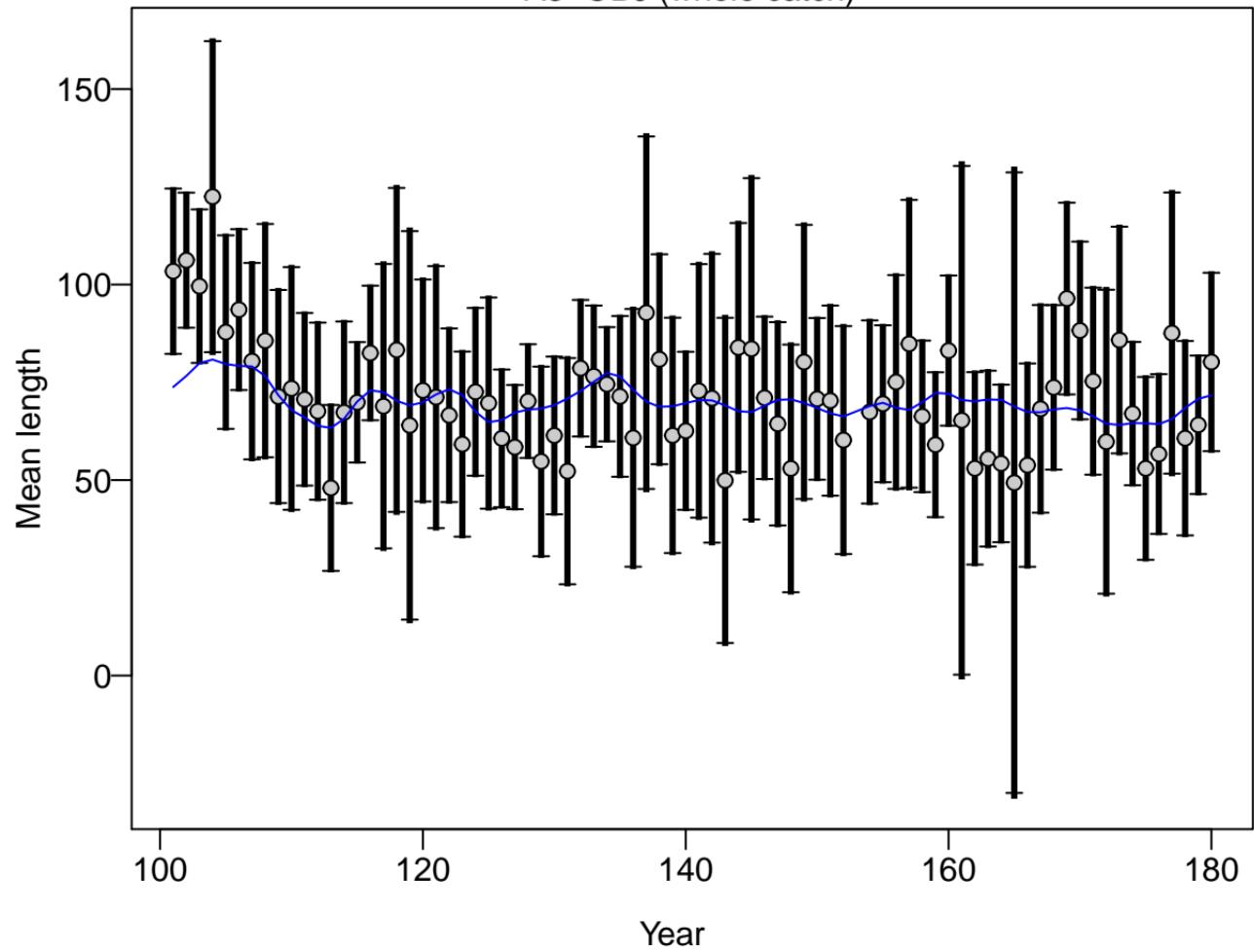


Proportion

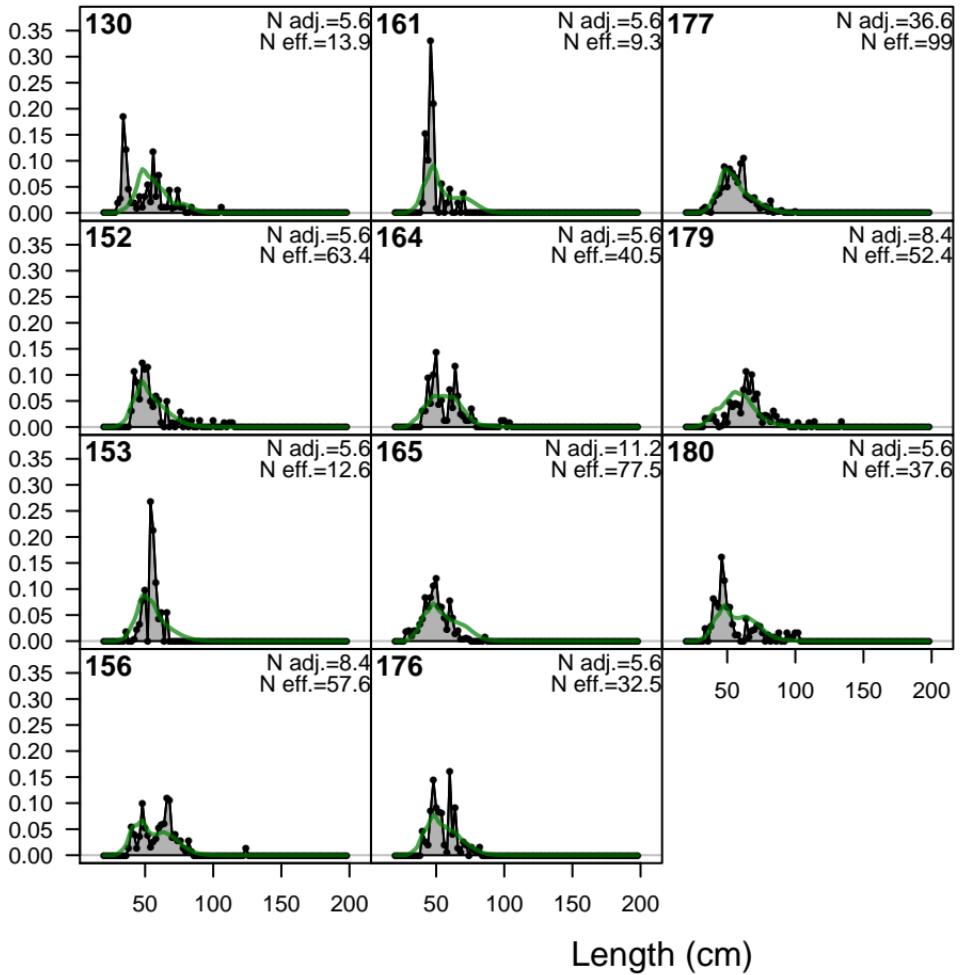


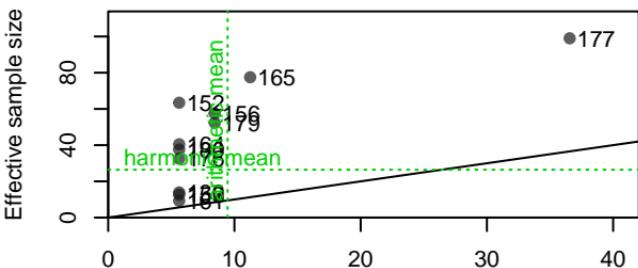
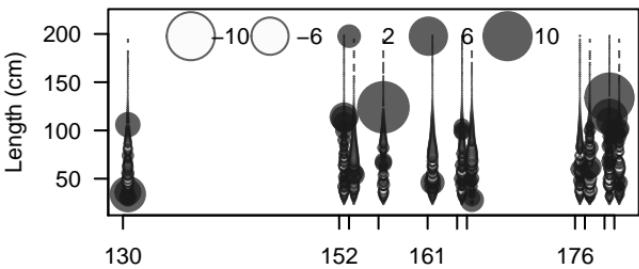


### A3-OBJ (whole catch)

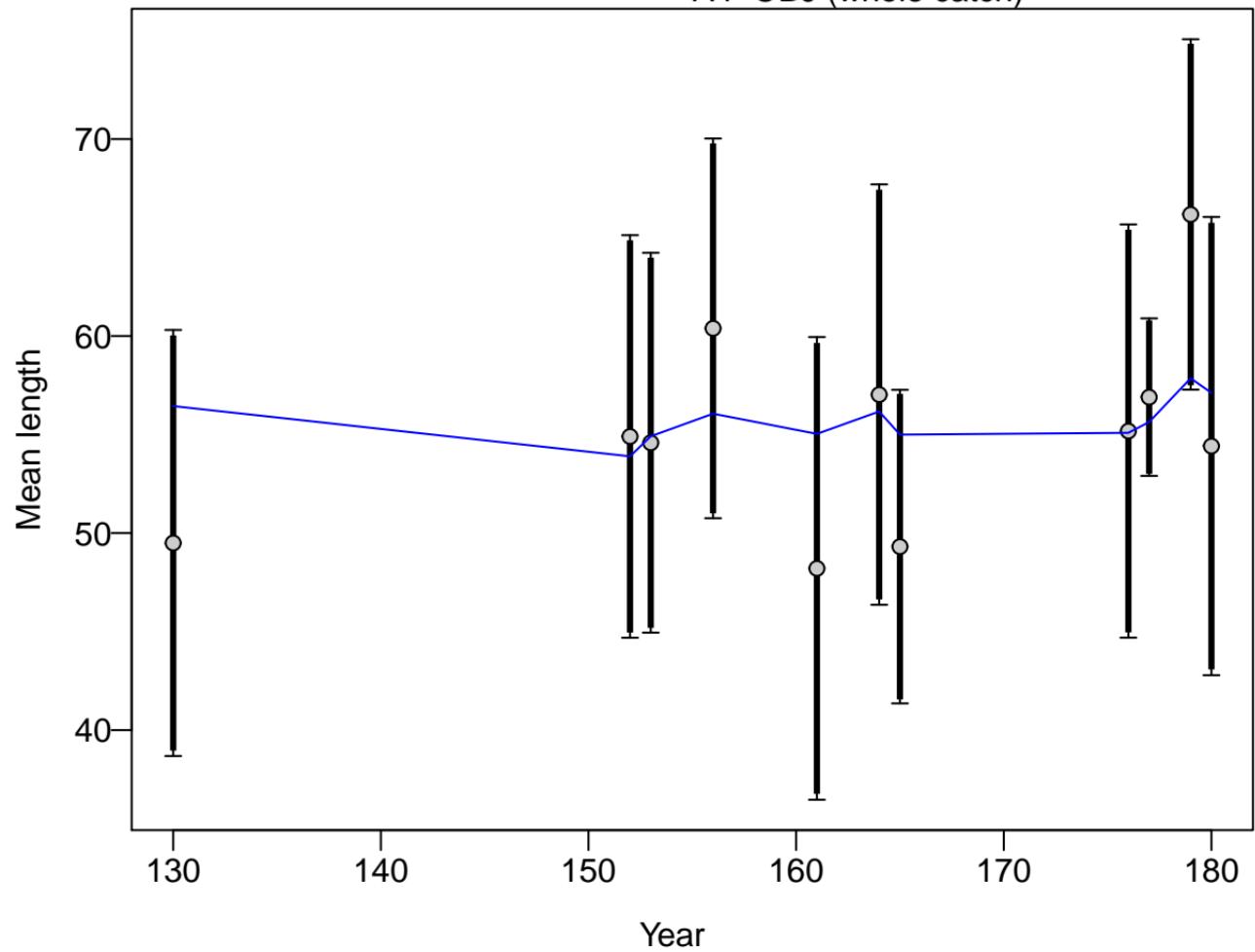


Proportion

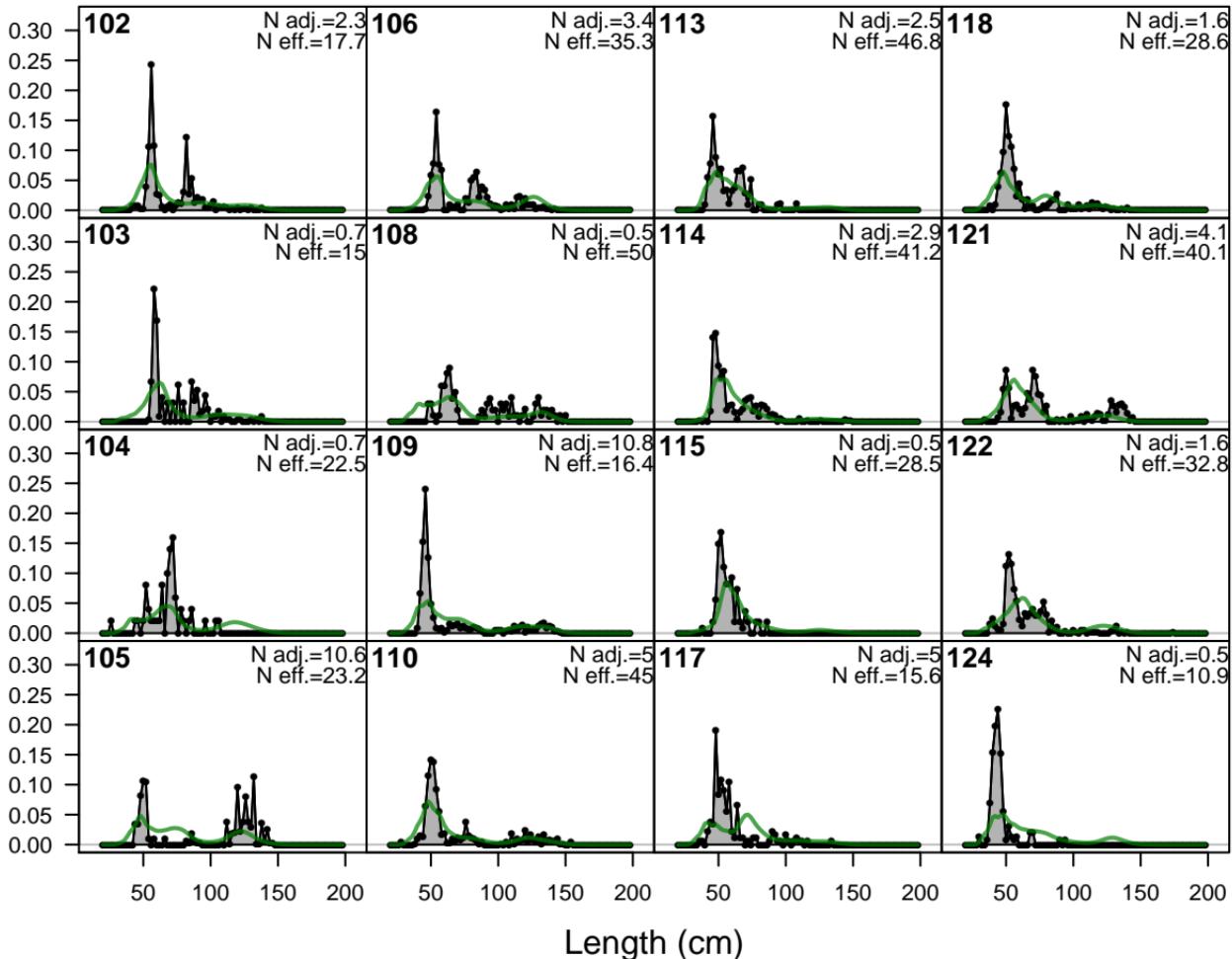




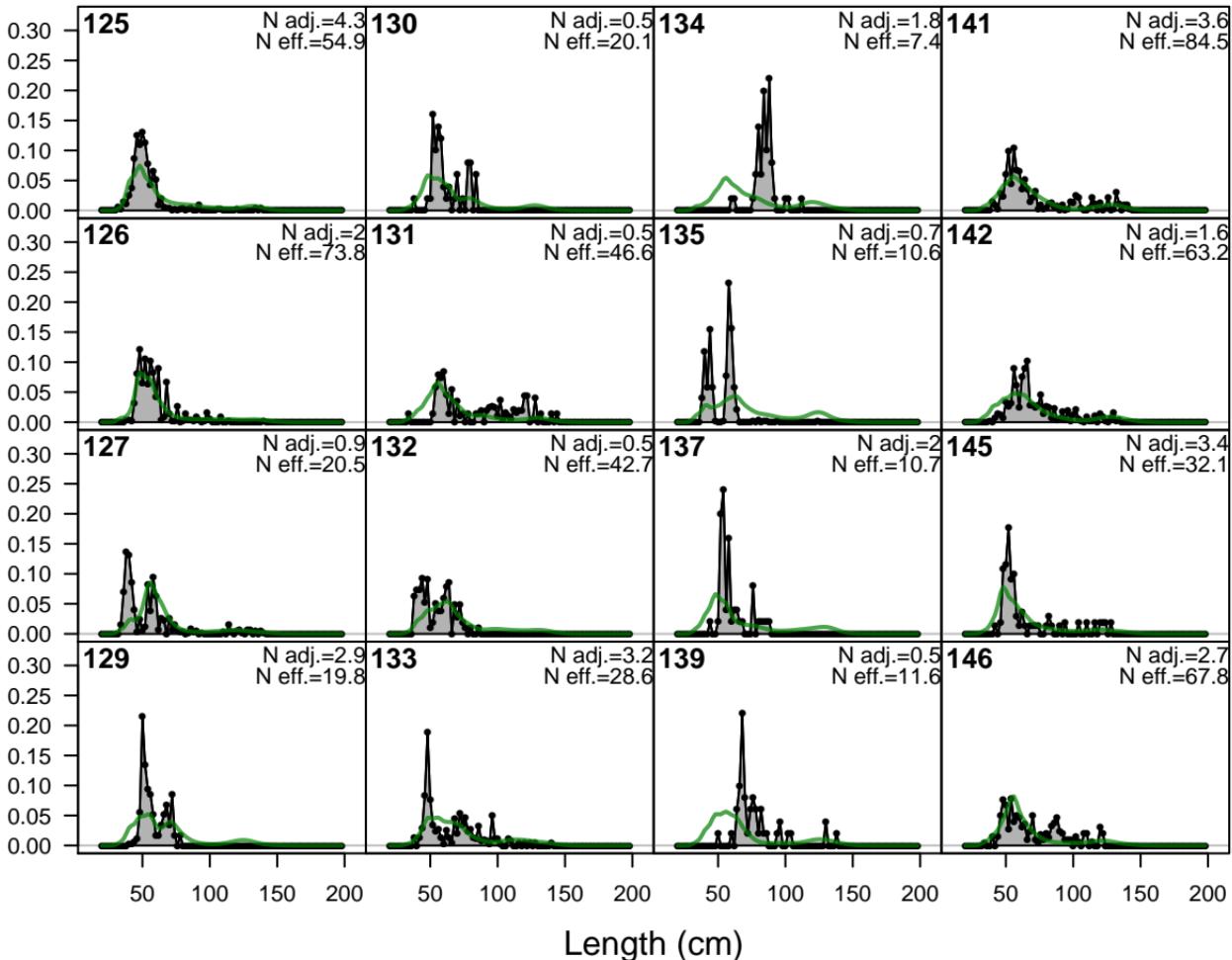
# A4-OBJ (whole catch)



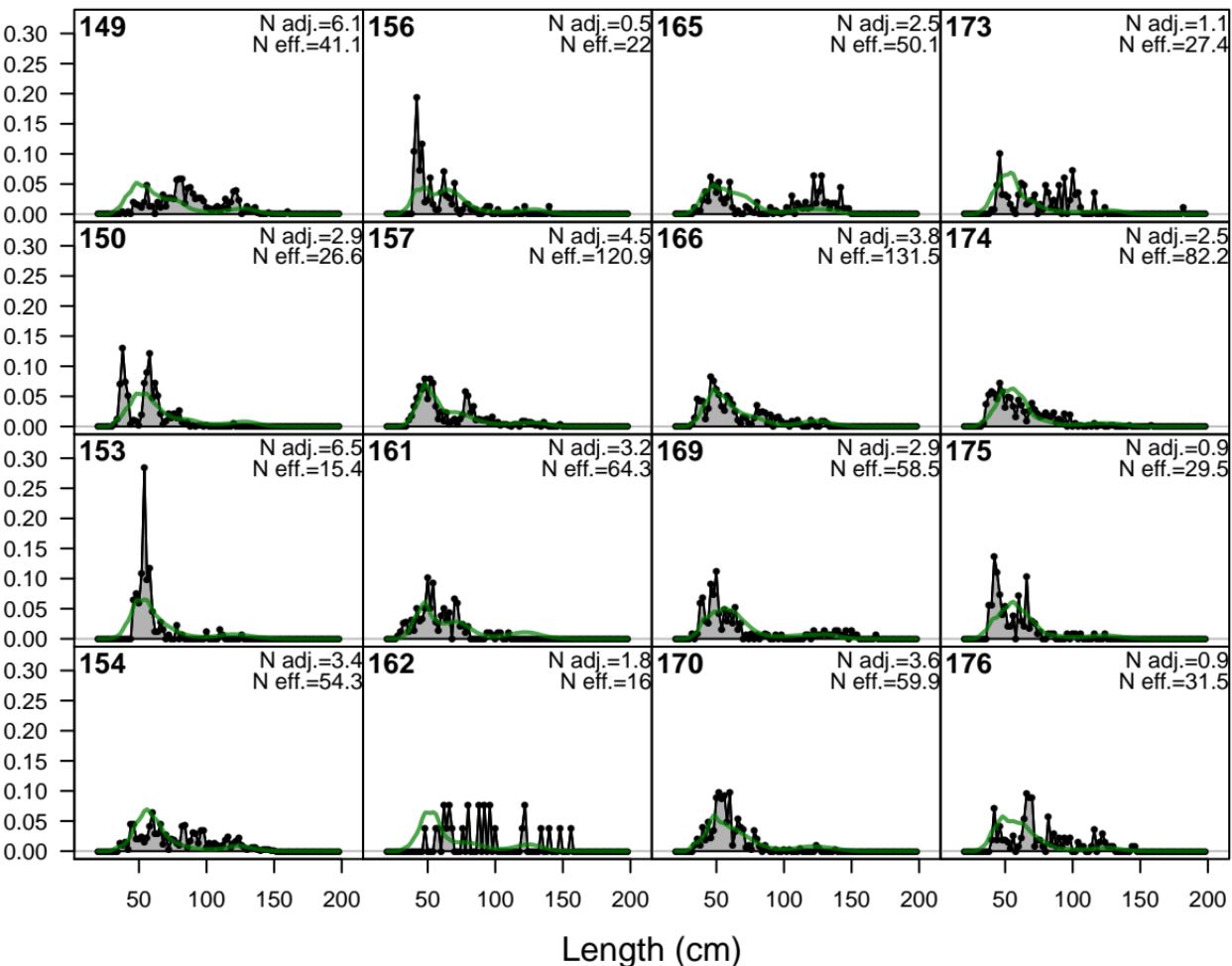
Proportion



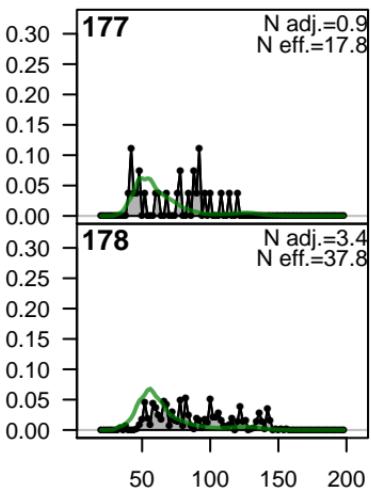
Proportion



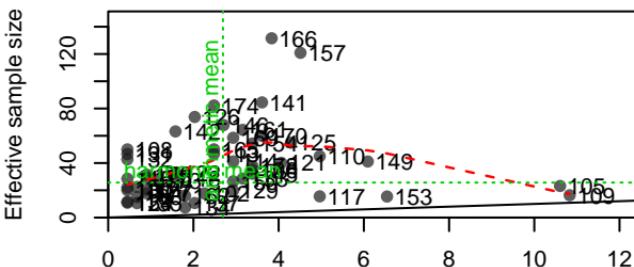
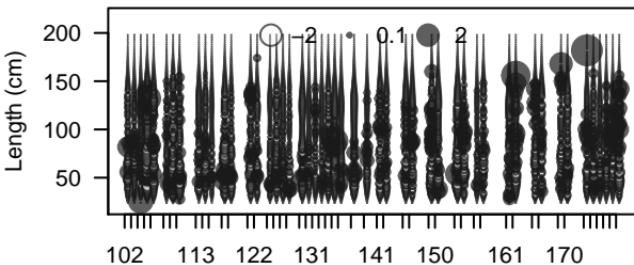
Proportion



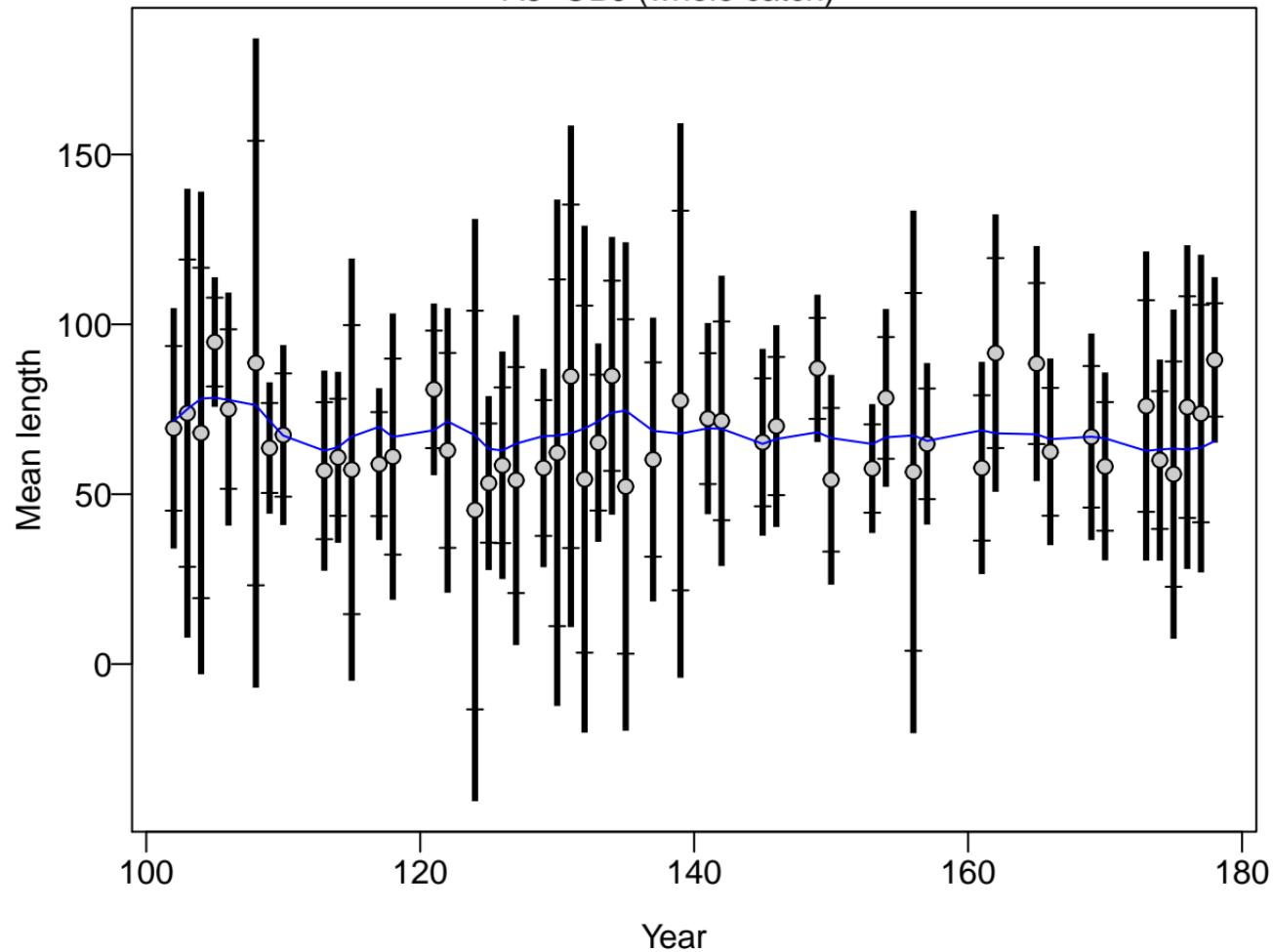
Proportion



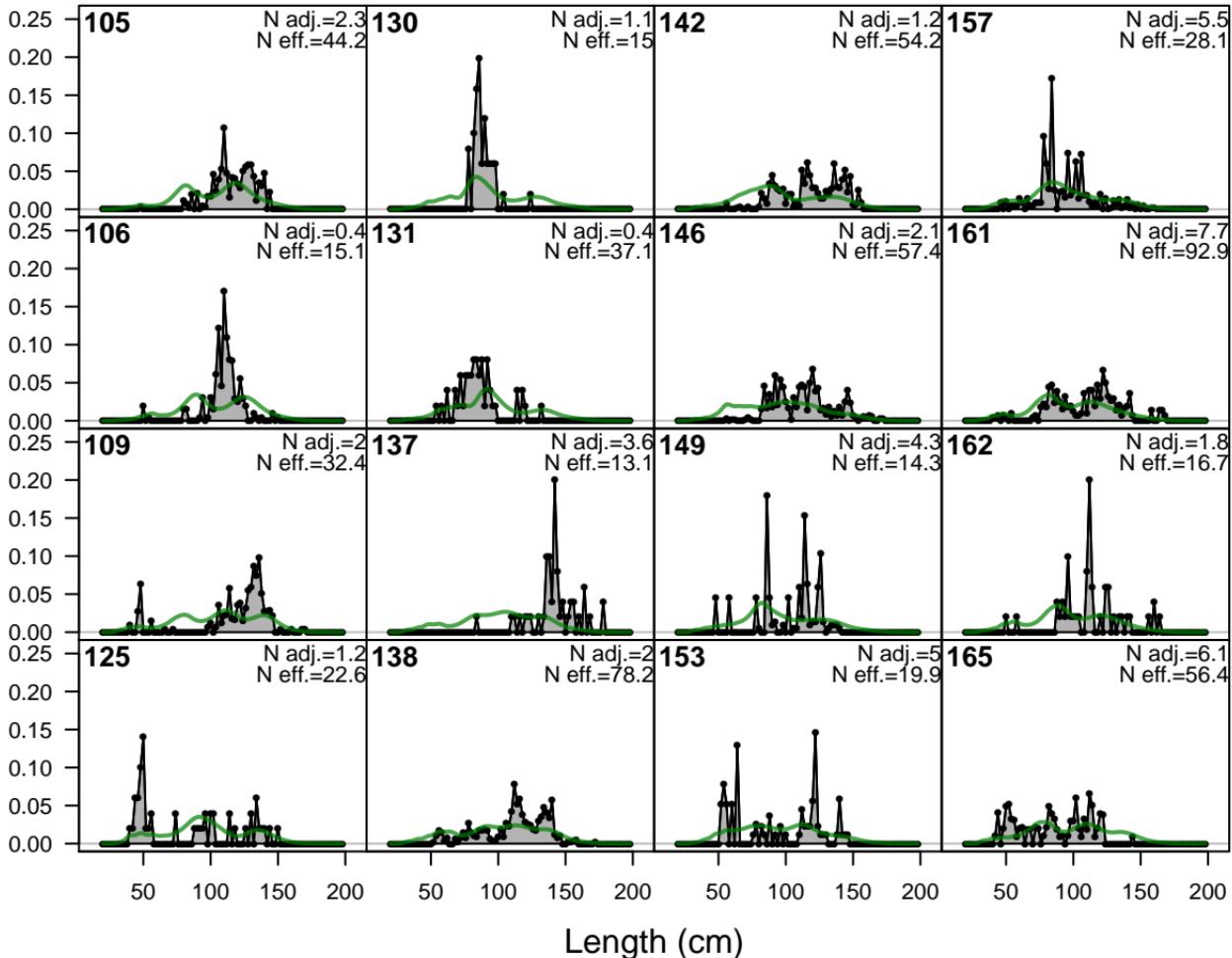
Length (cm)

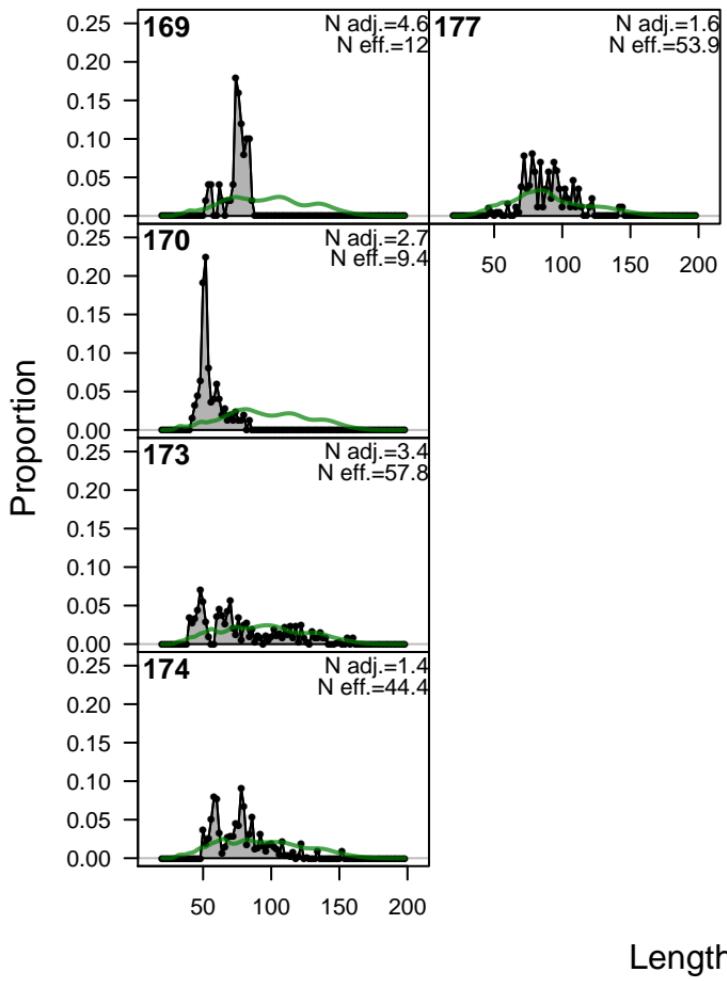


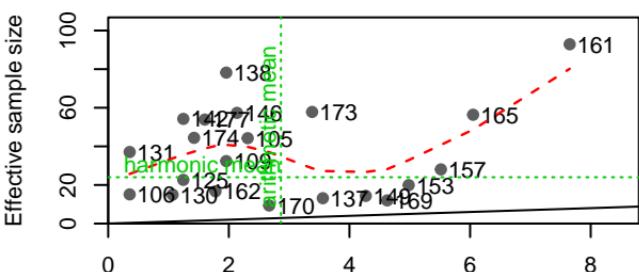
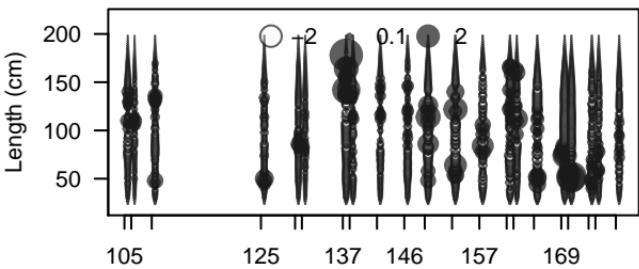
# A5-OBJ (whole catch)



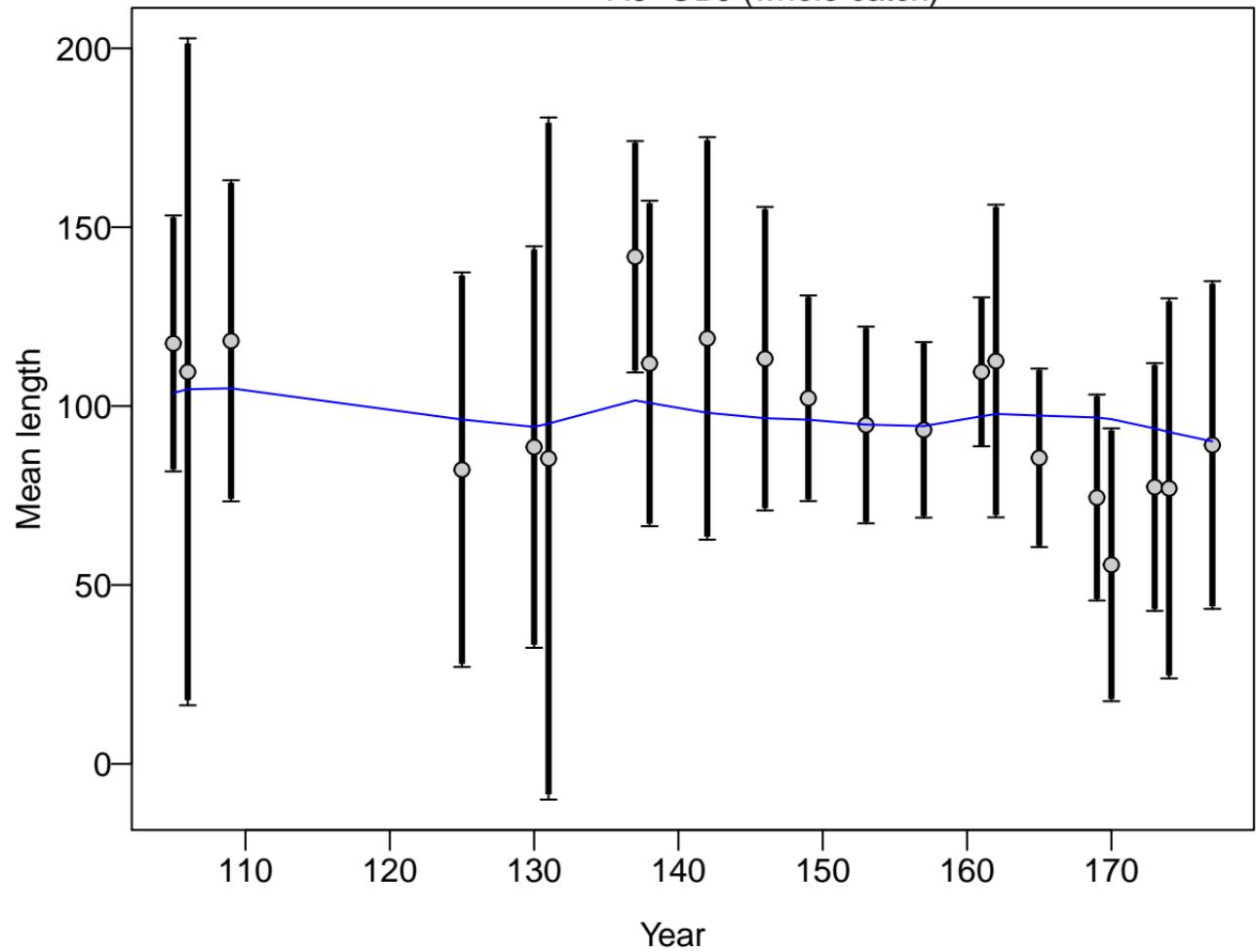
Proportion



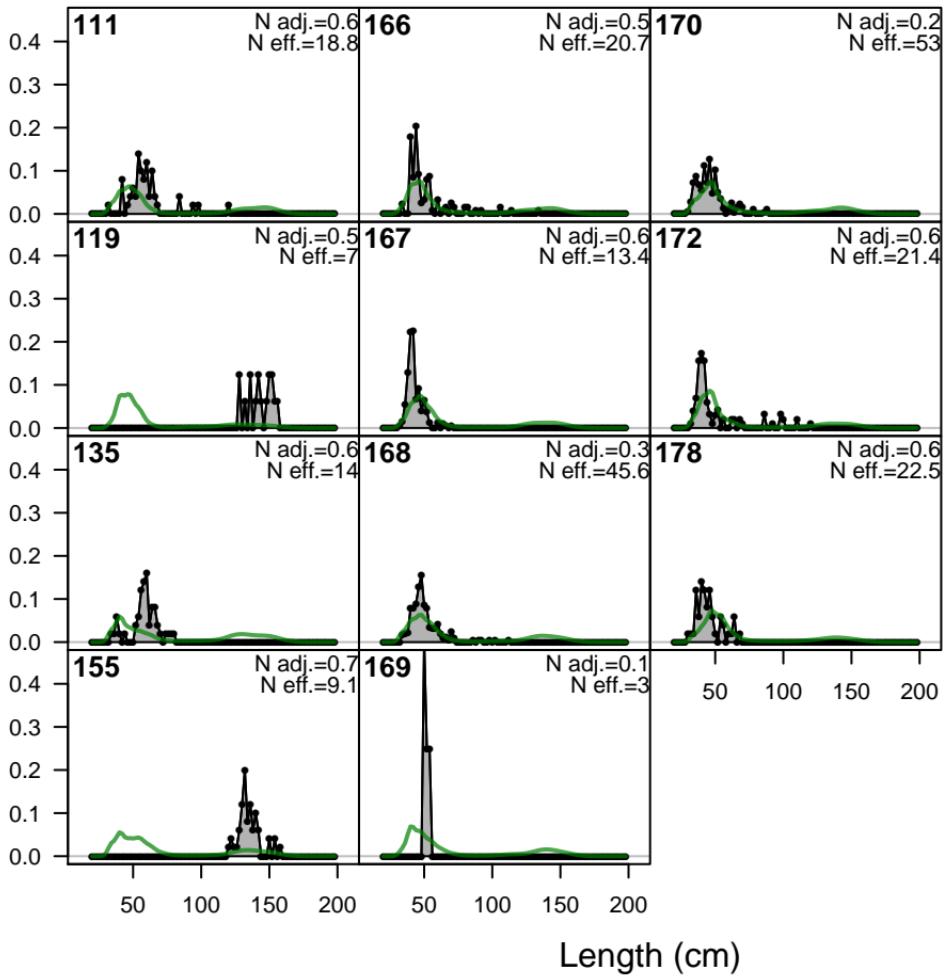


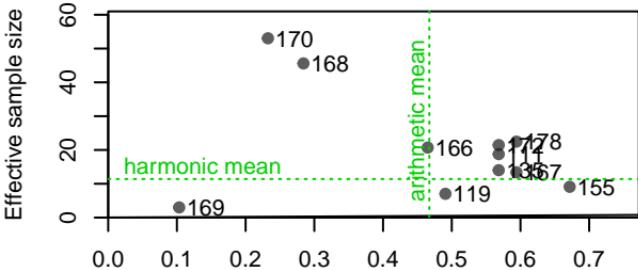
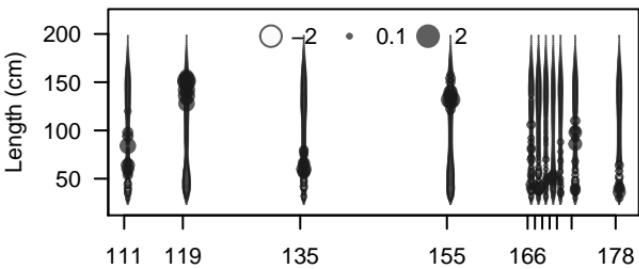


### A6-OBJ (whole catch)

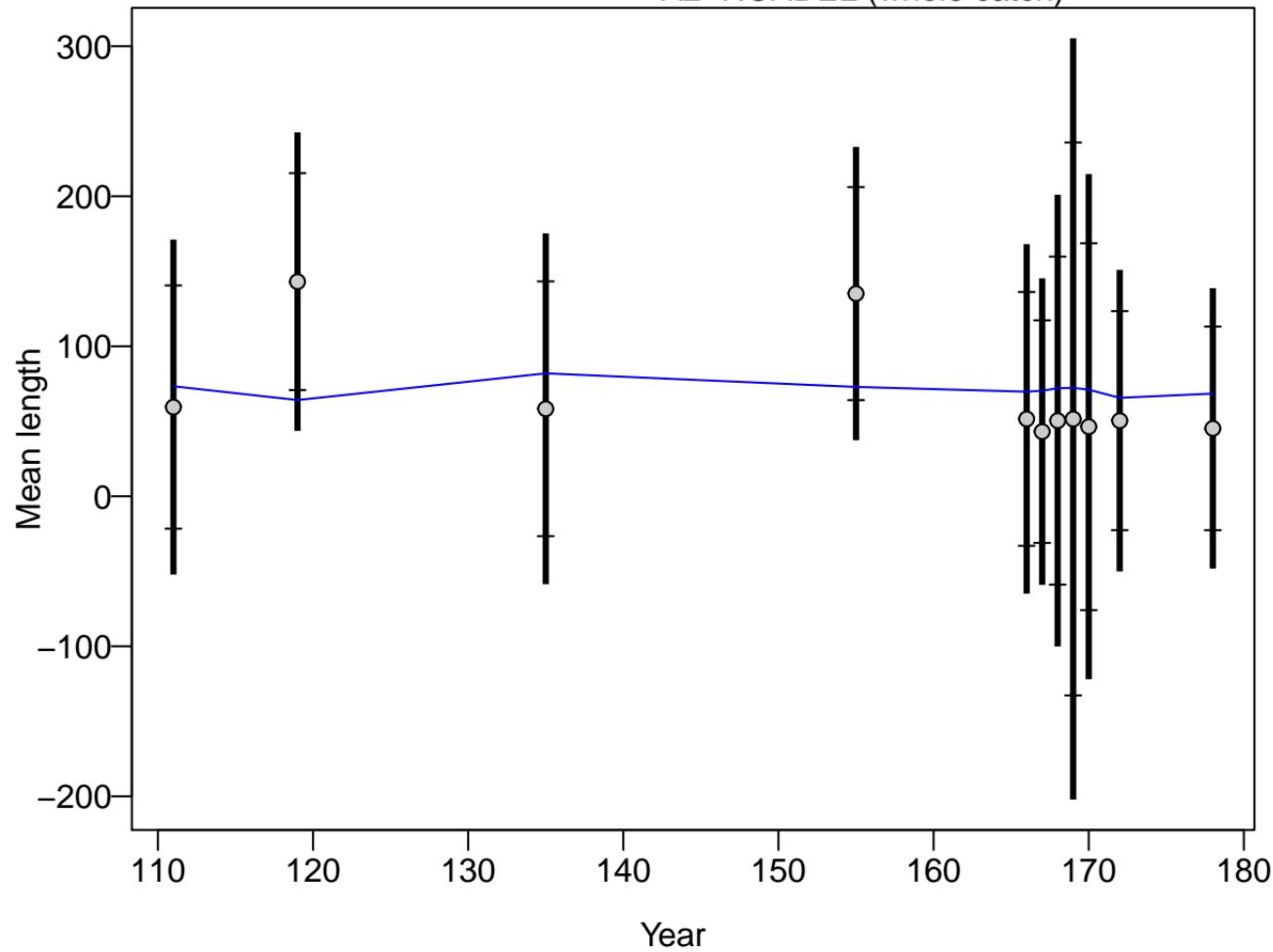


Proportion

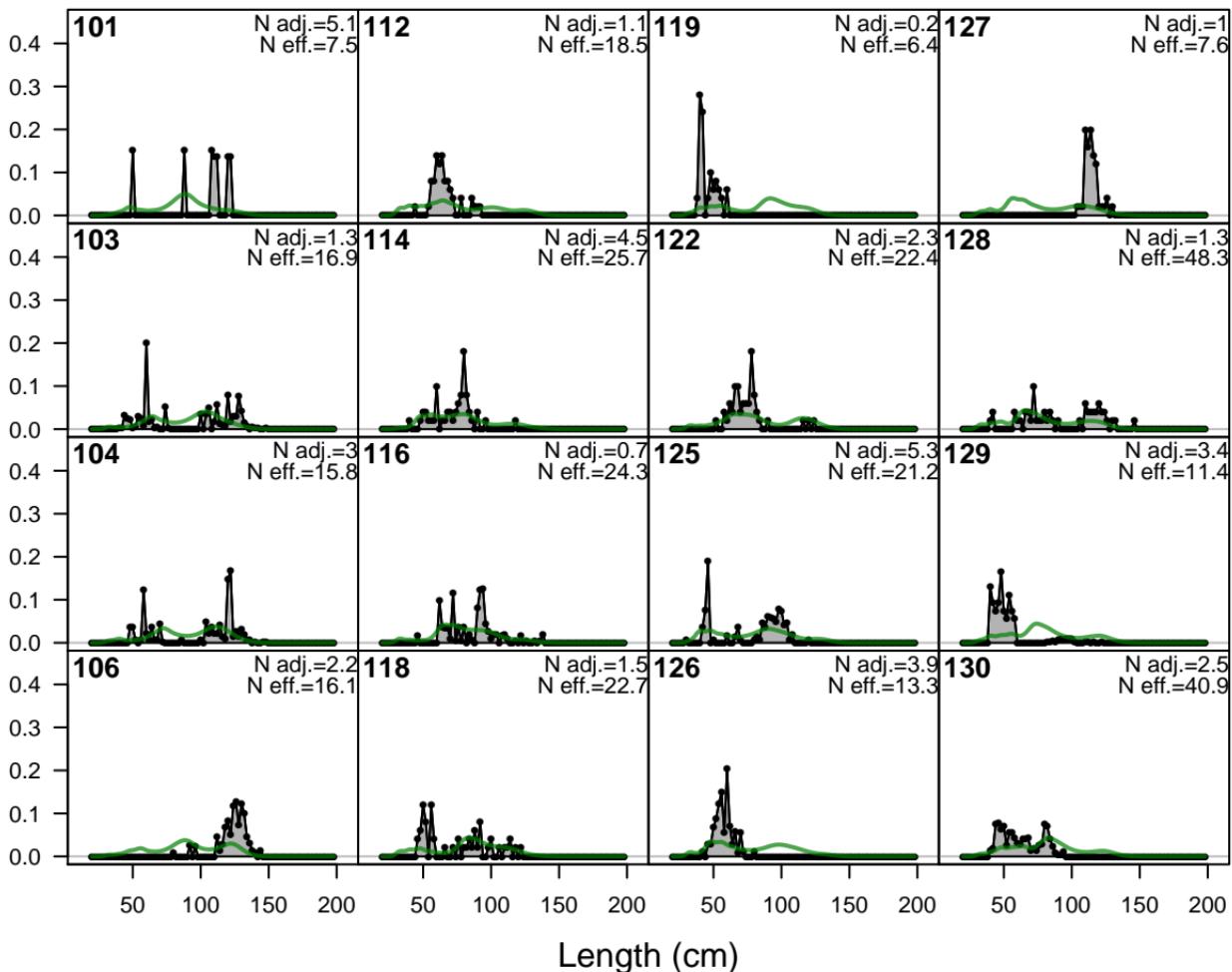




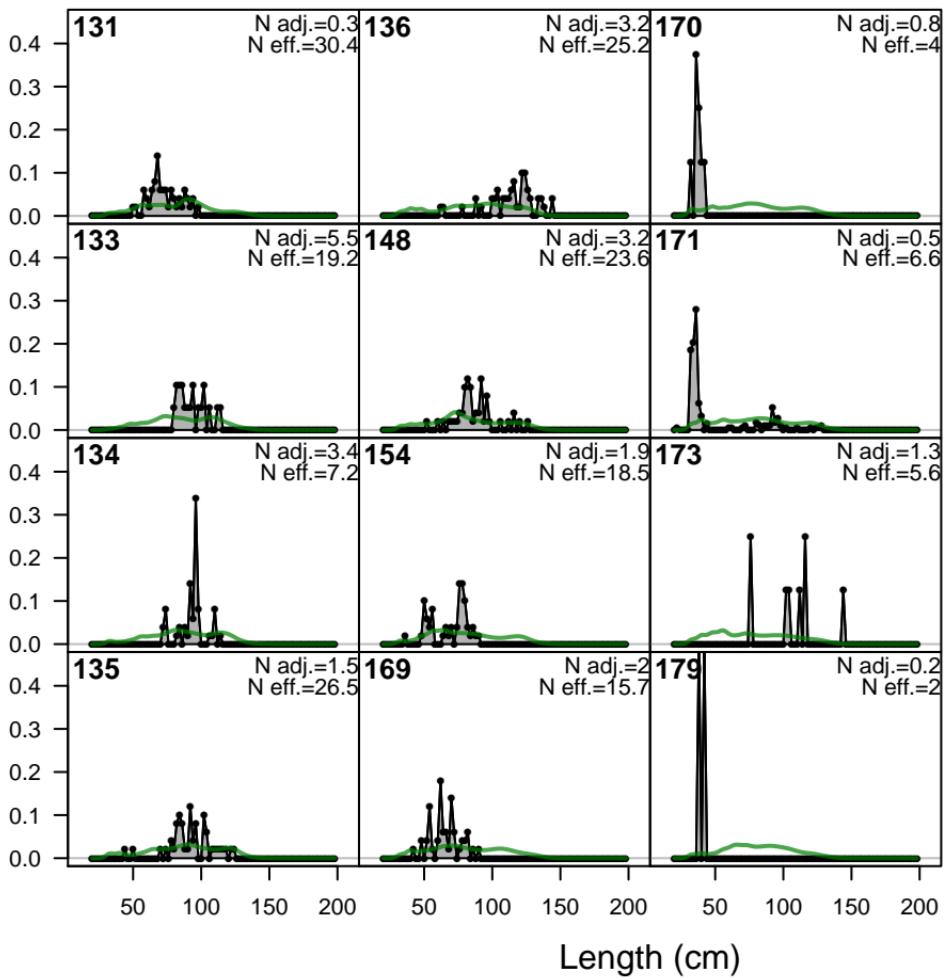
# A2–NOADEL (whole catch)

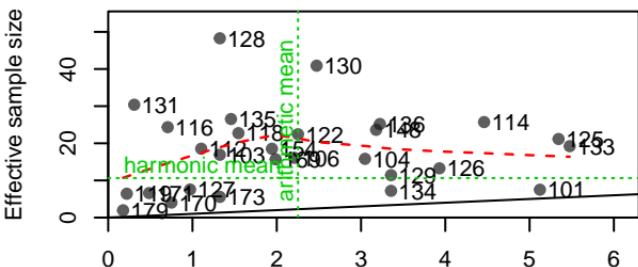
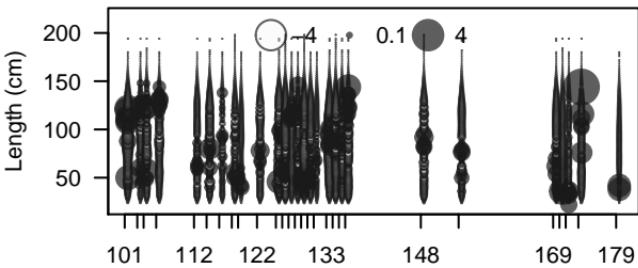


Proportion

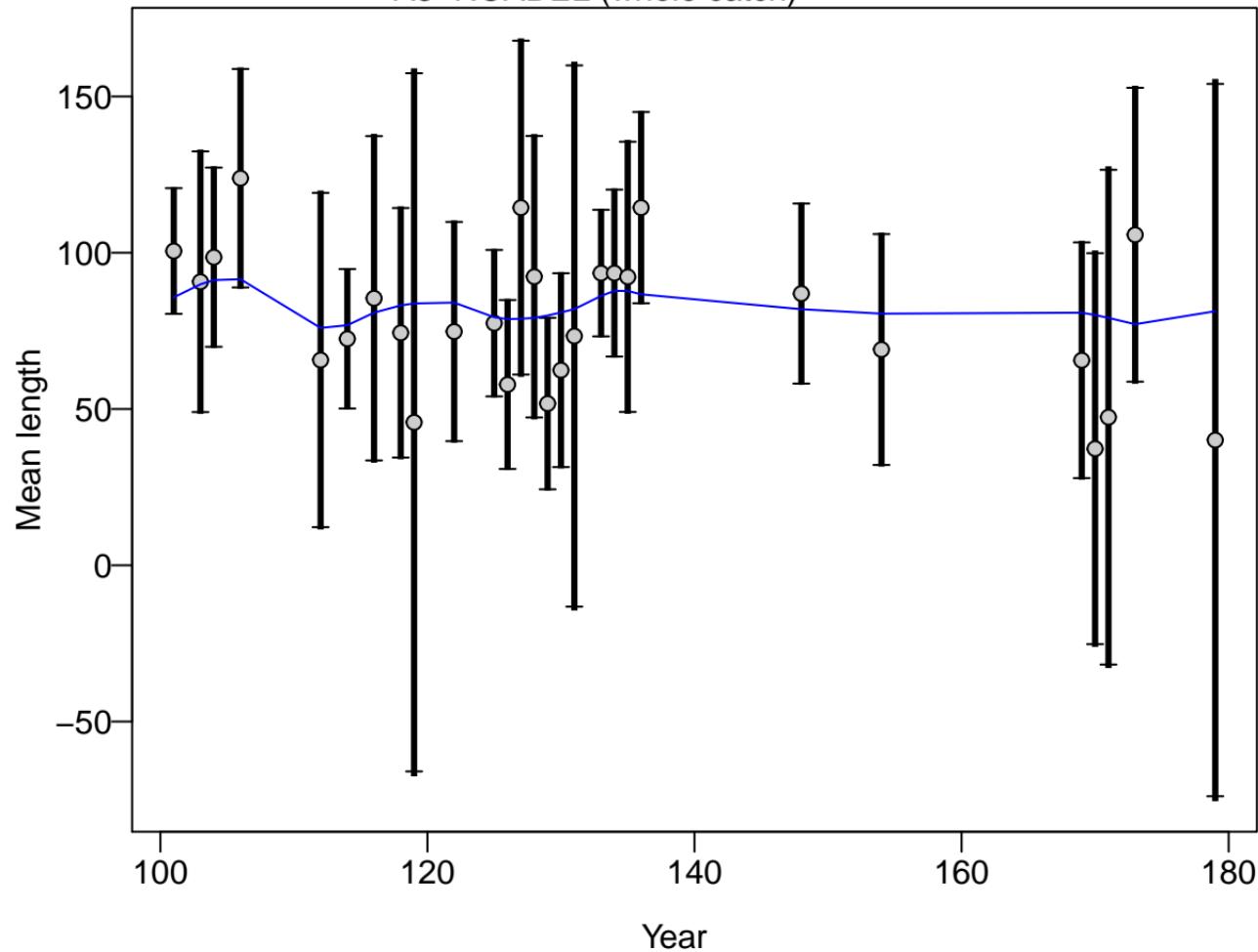


Proportion

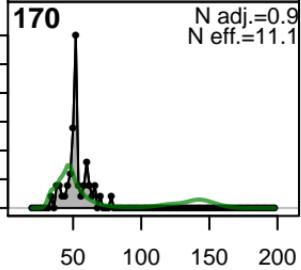
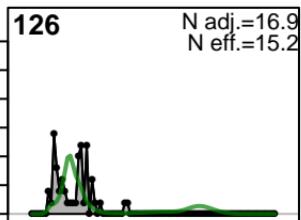




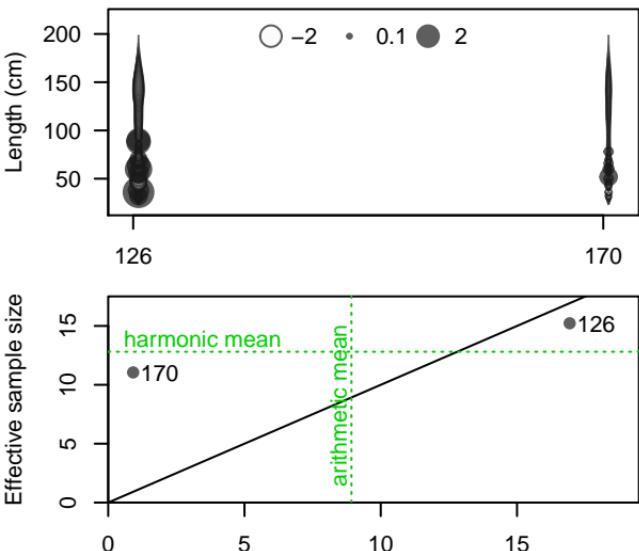
### A3–NOADEL (whole catch)



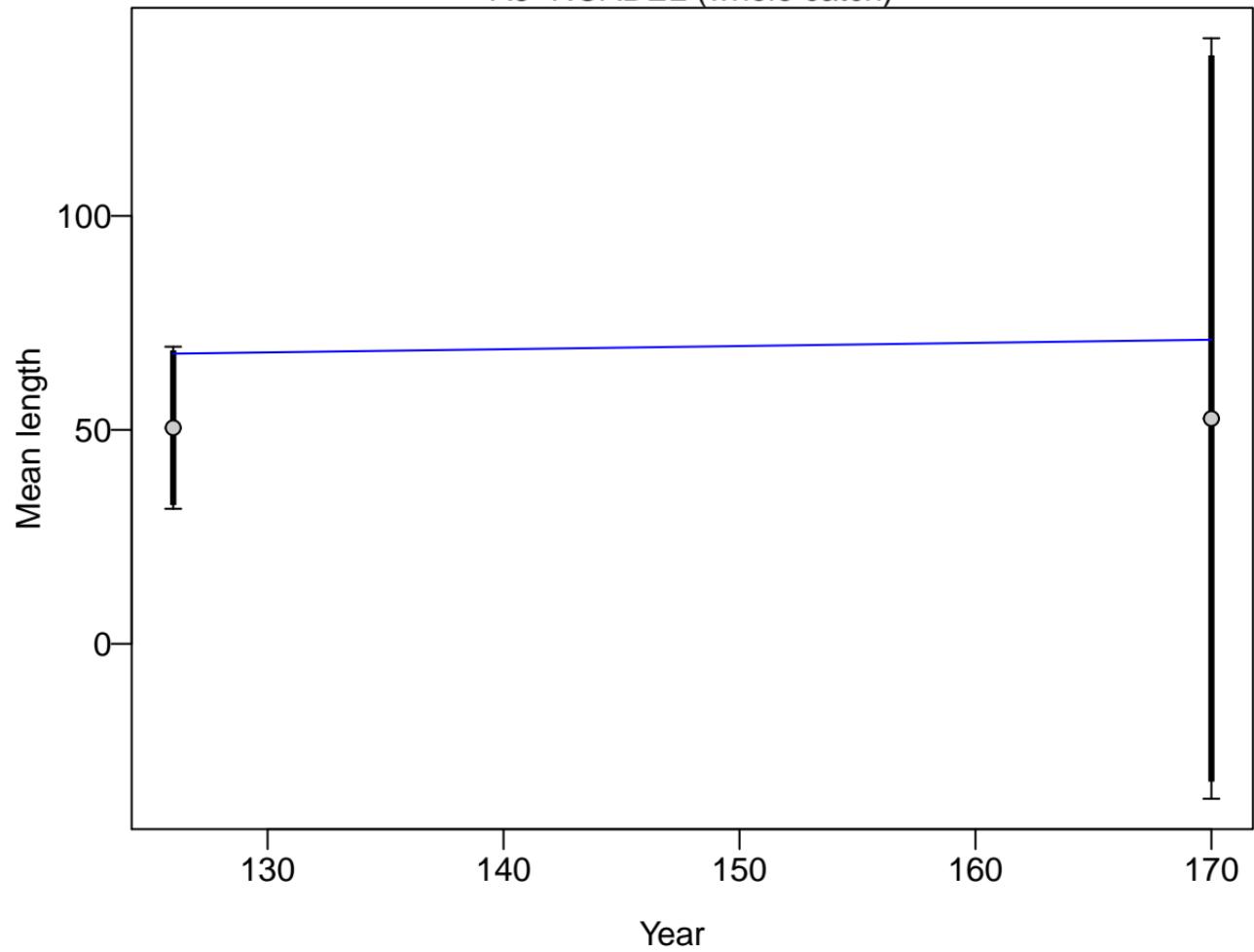
Proportion



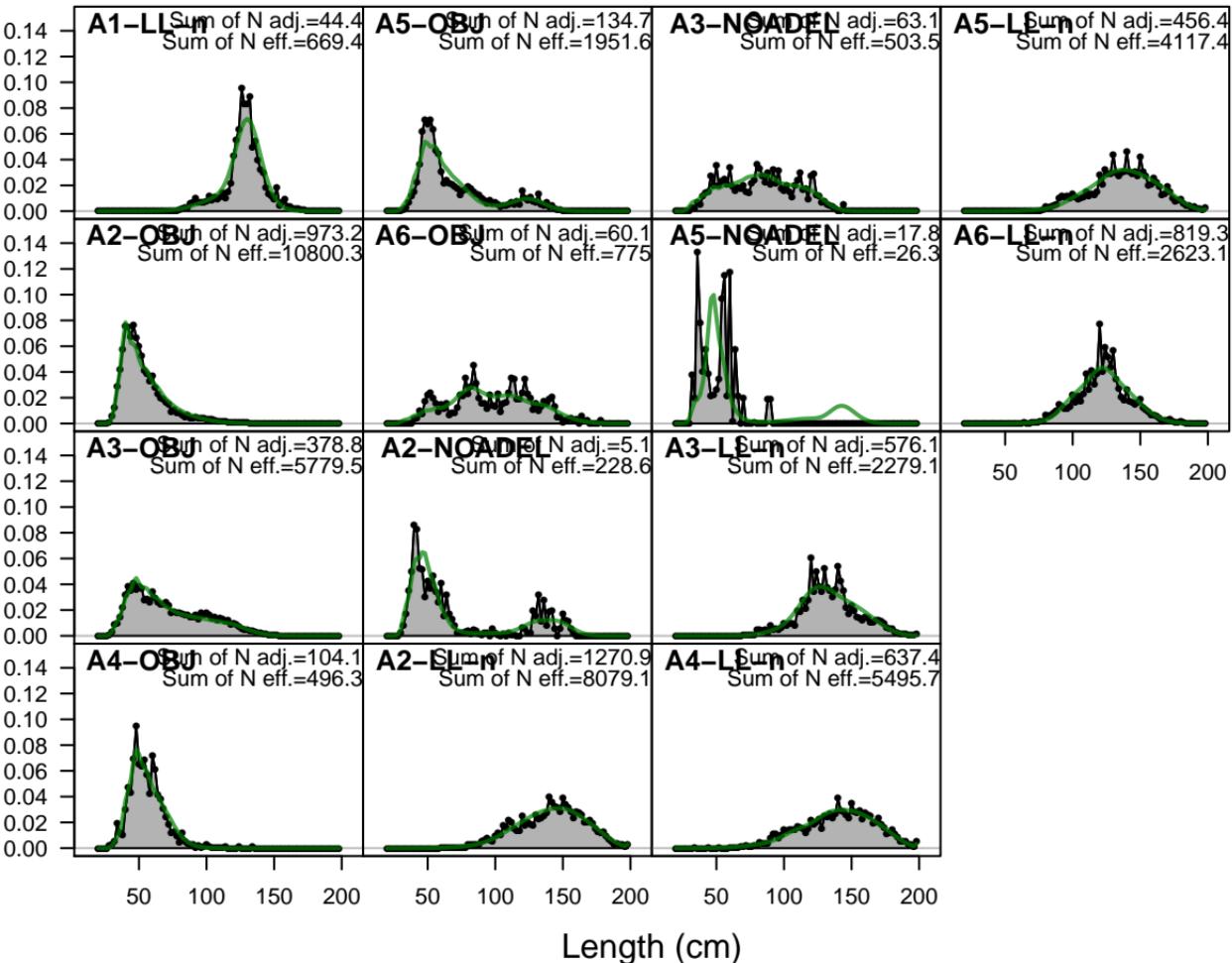
Length (cm)

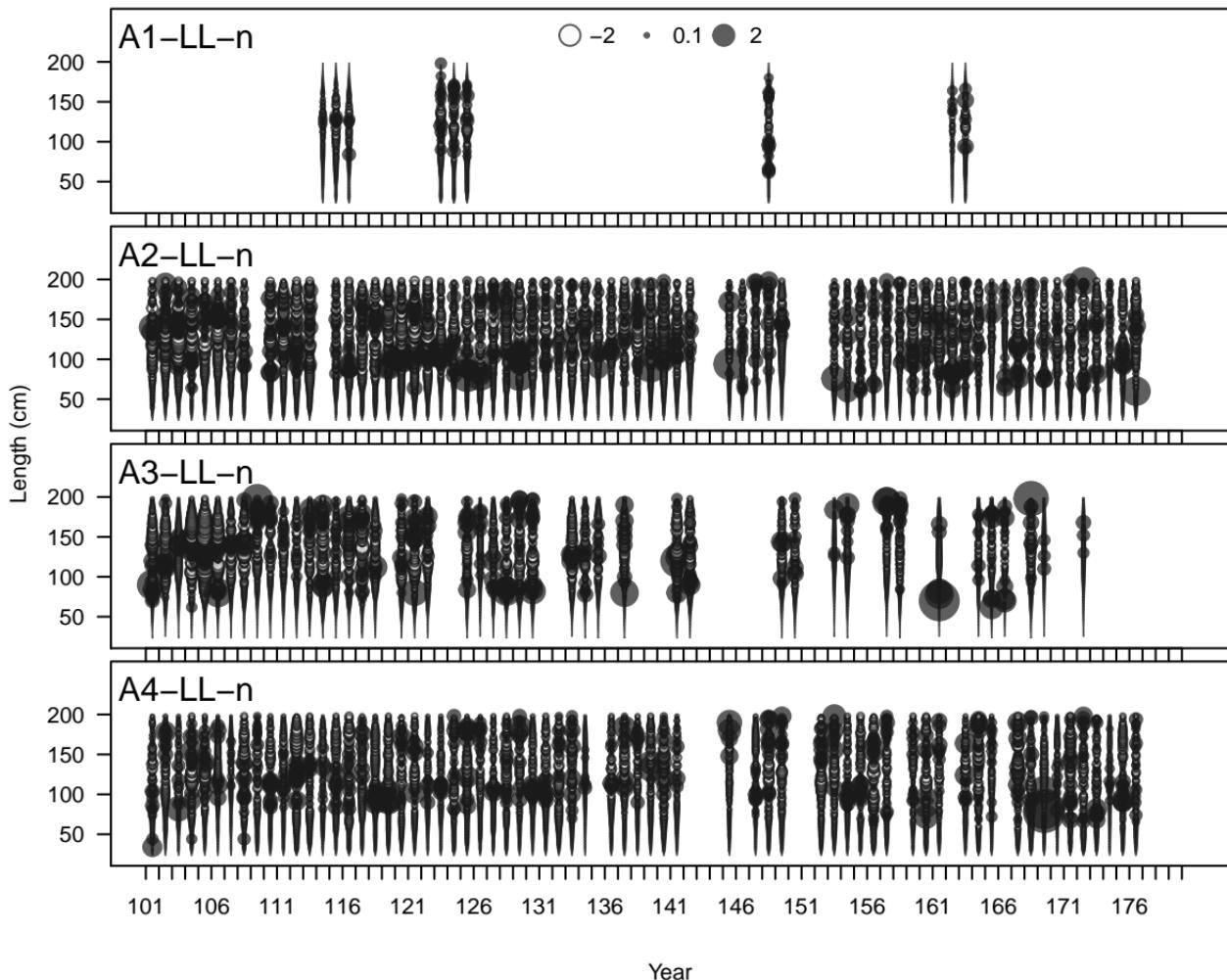


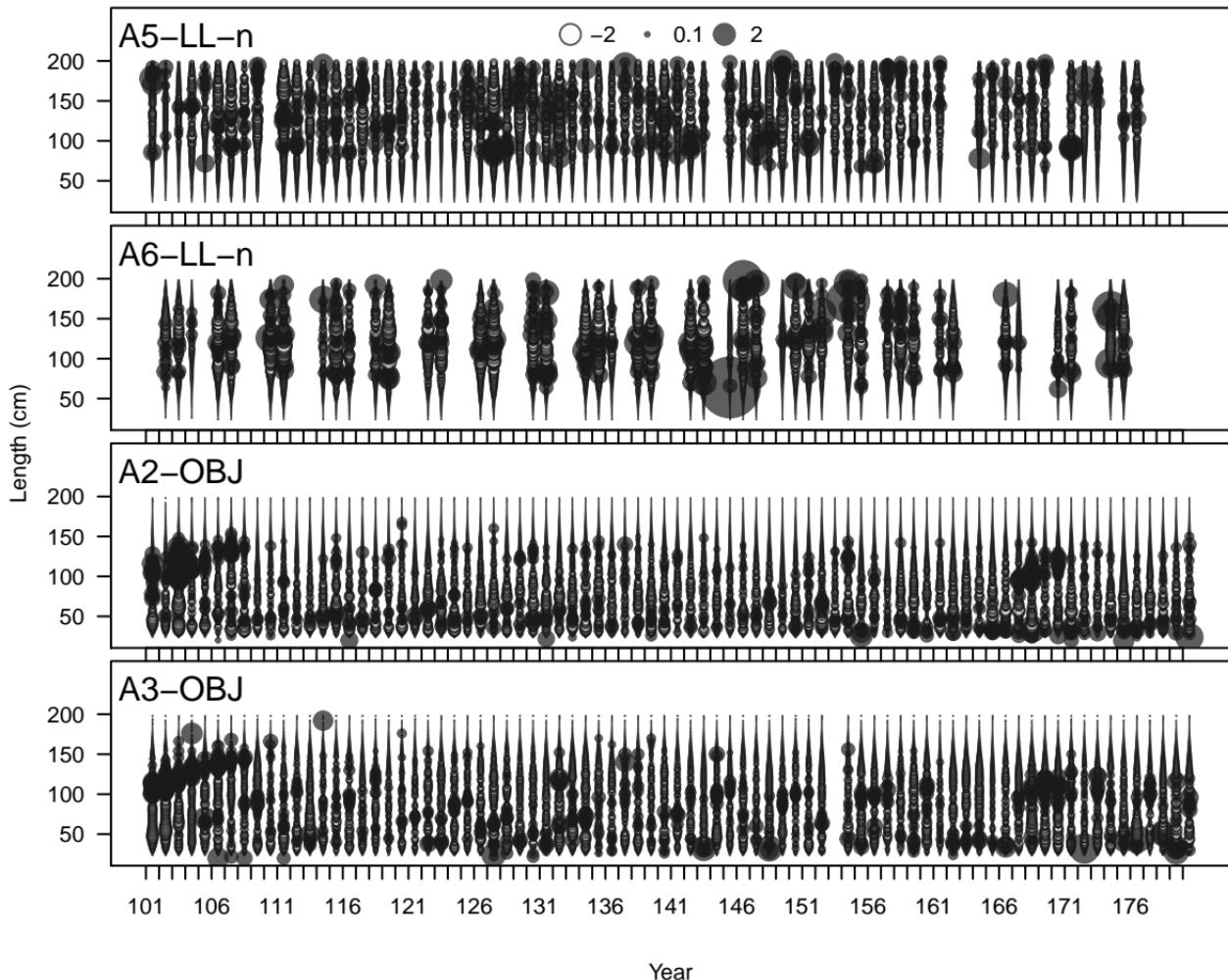
### A5-NOADEL (whole catch)

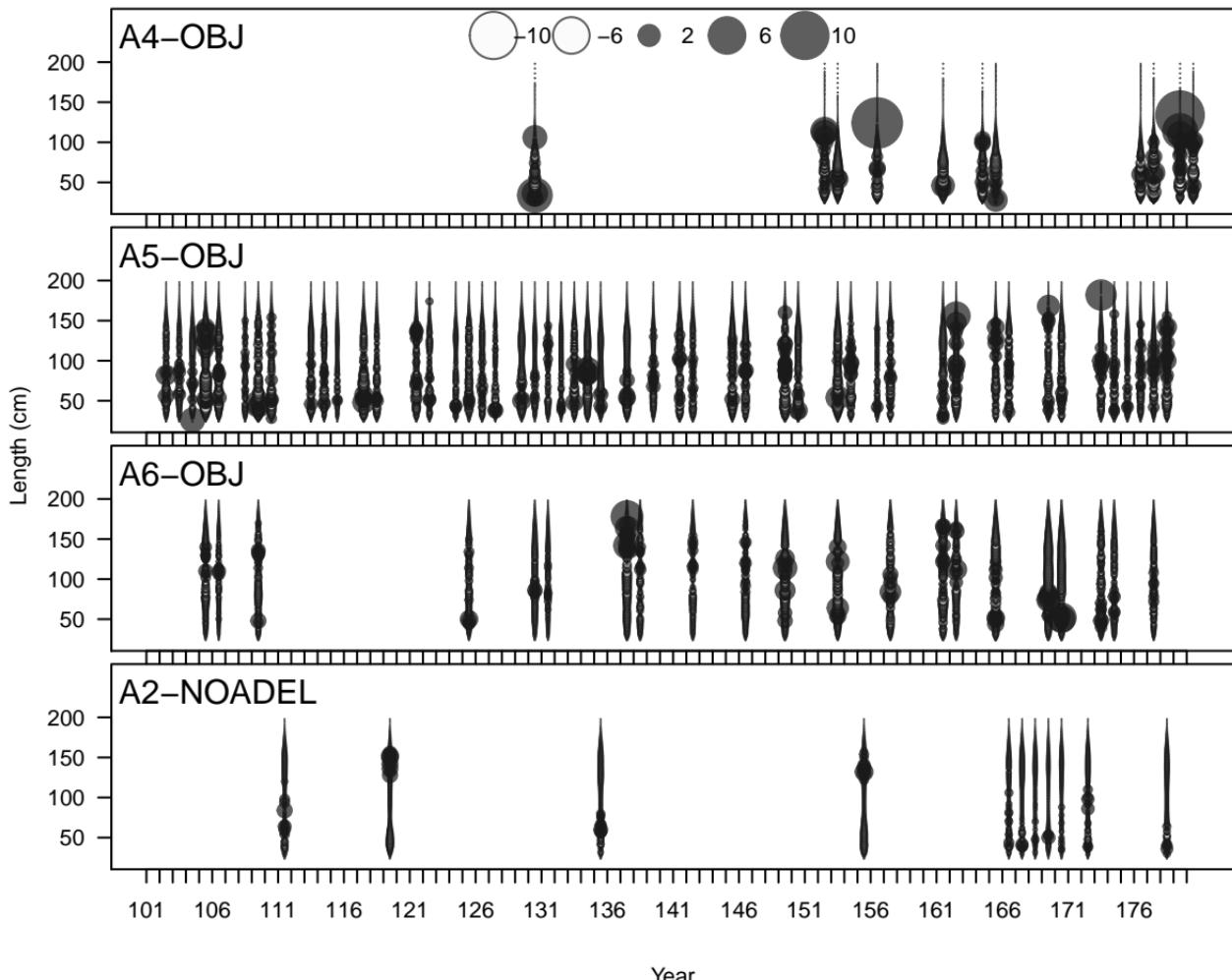


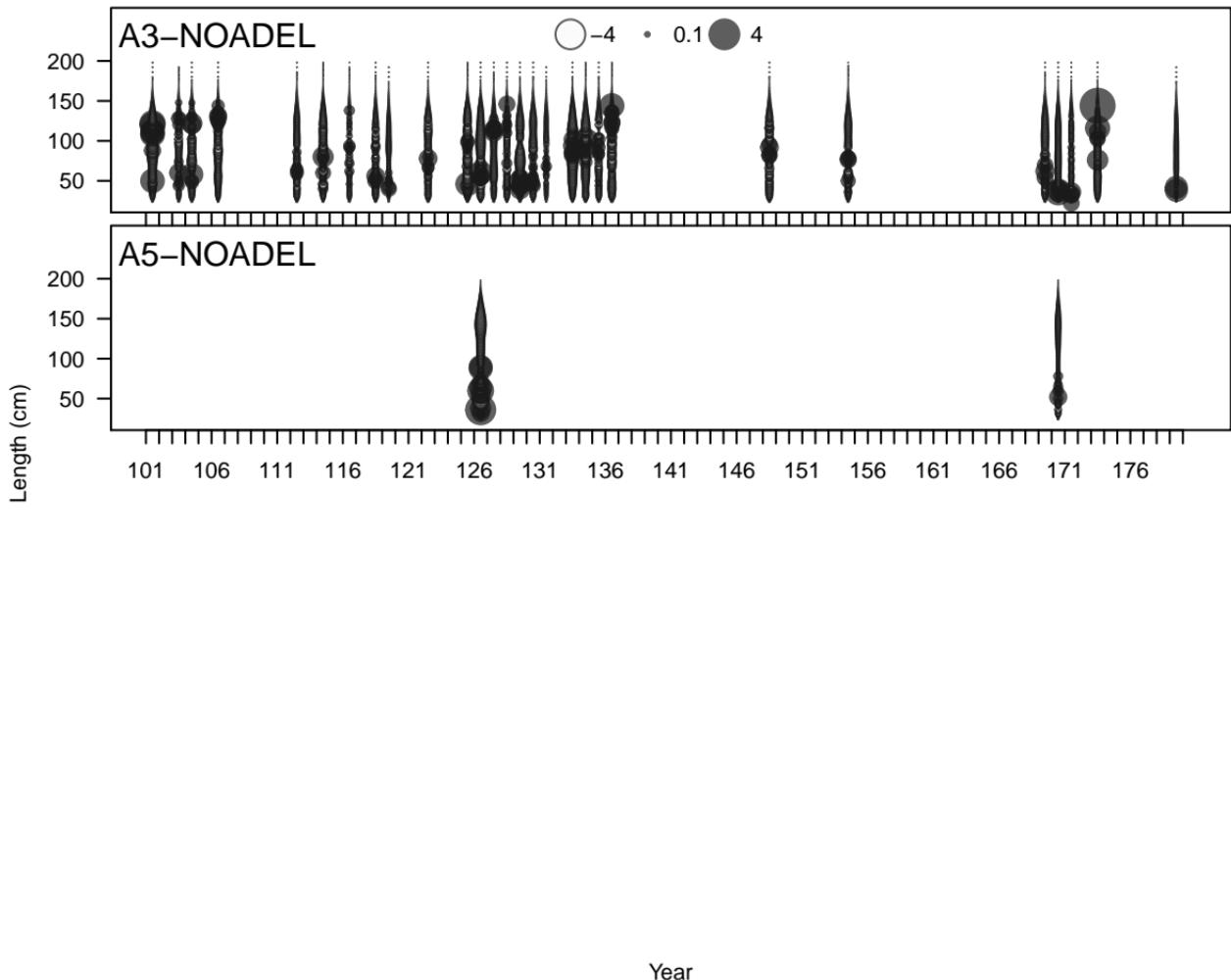
Proportion



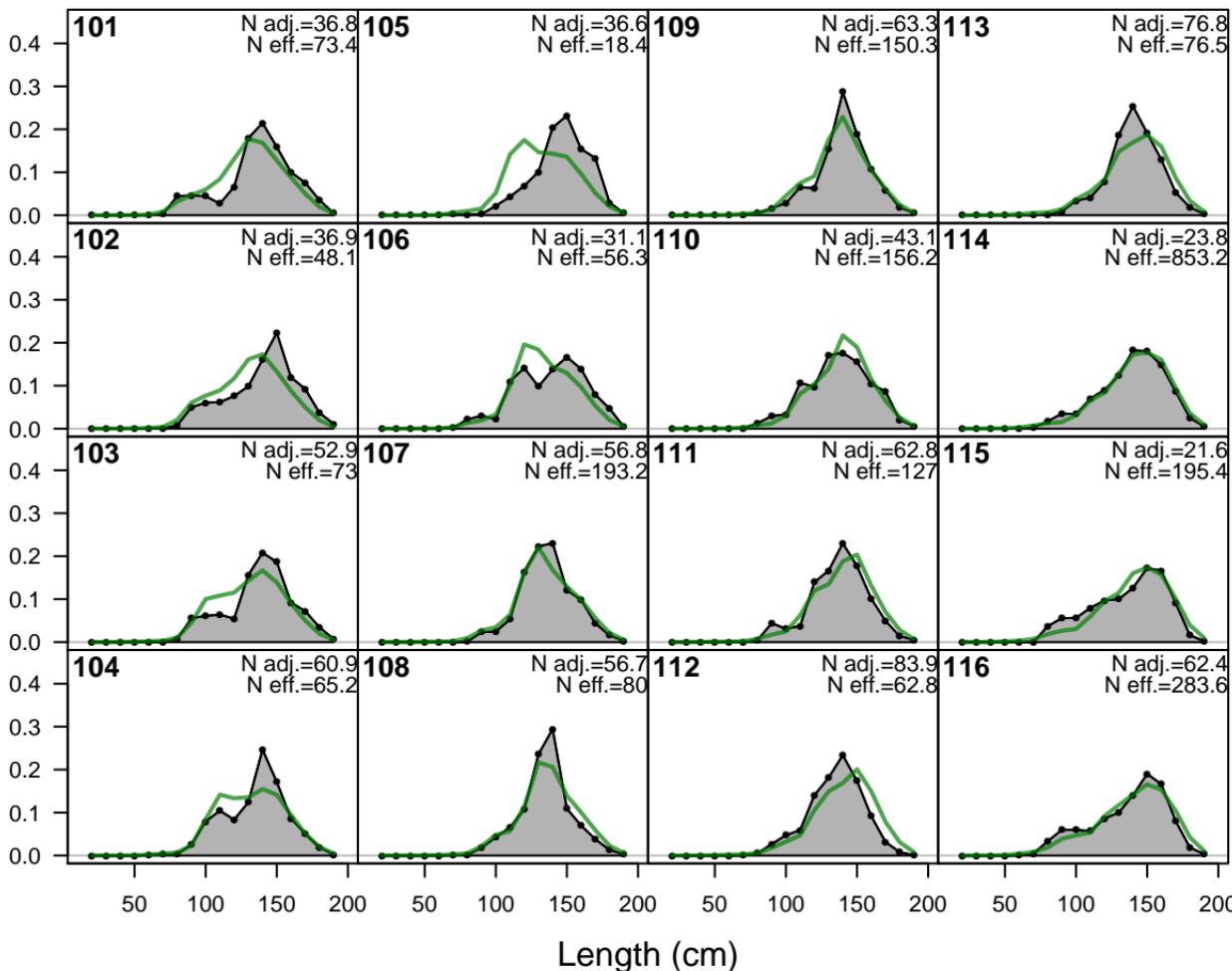




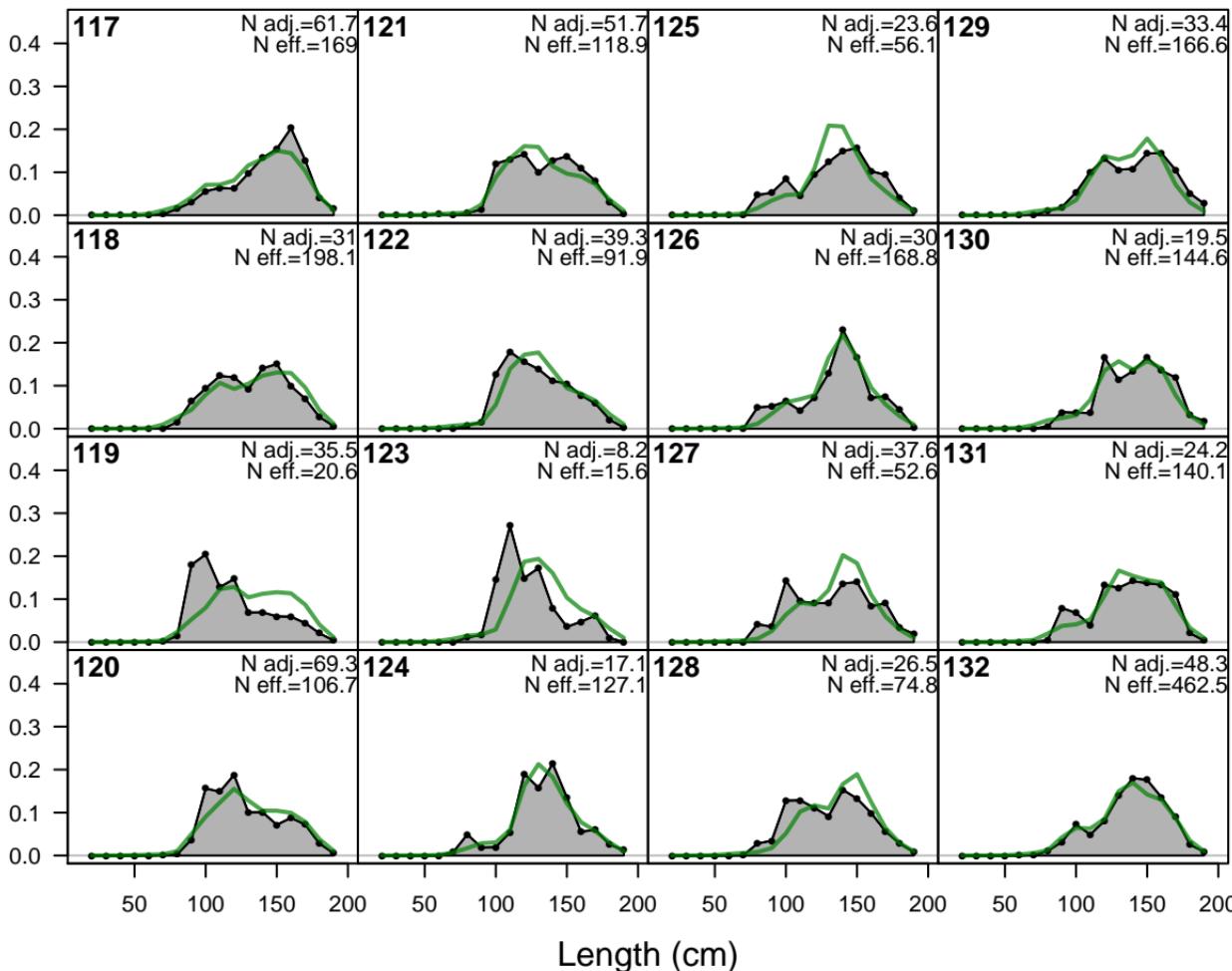




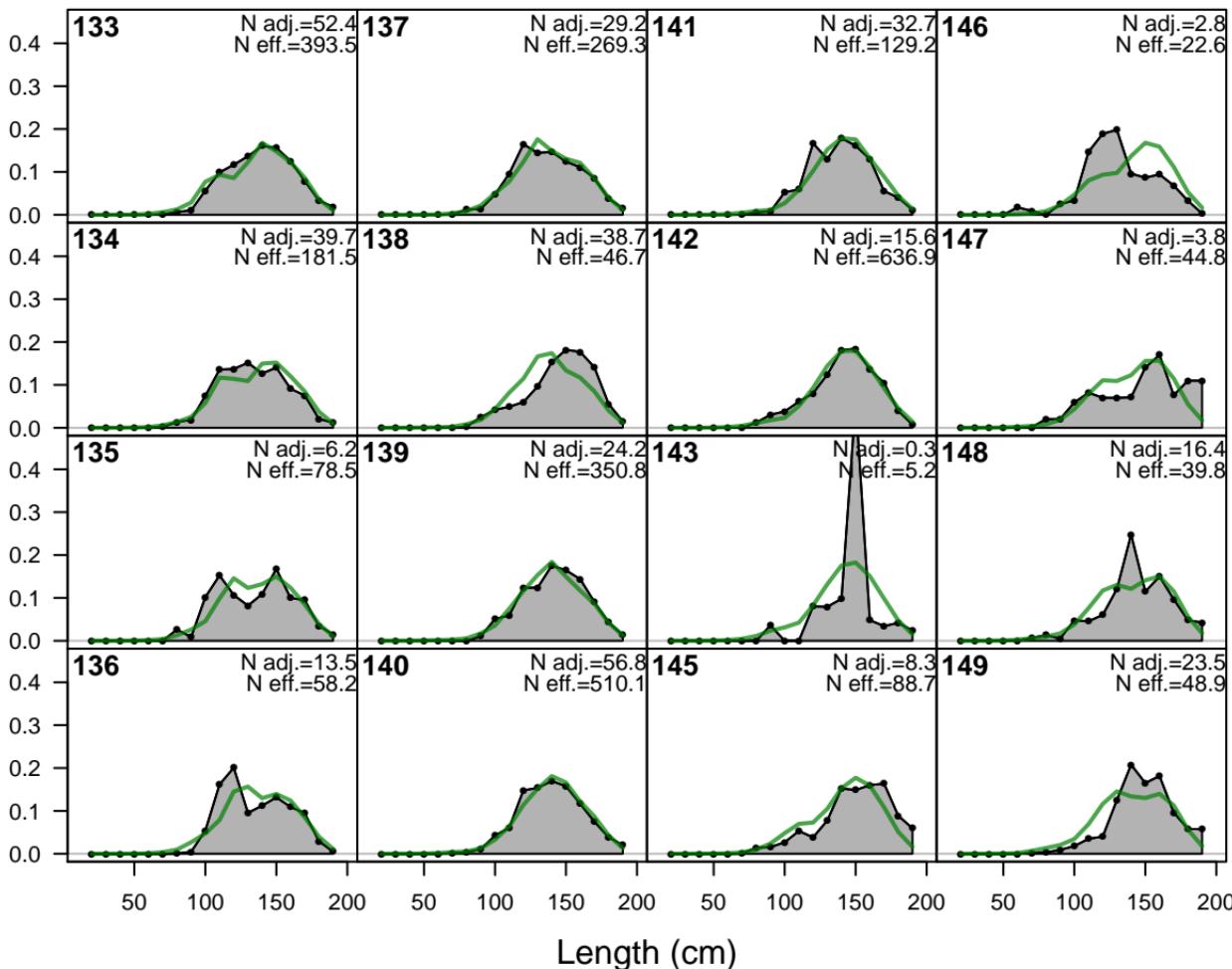
Proportion



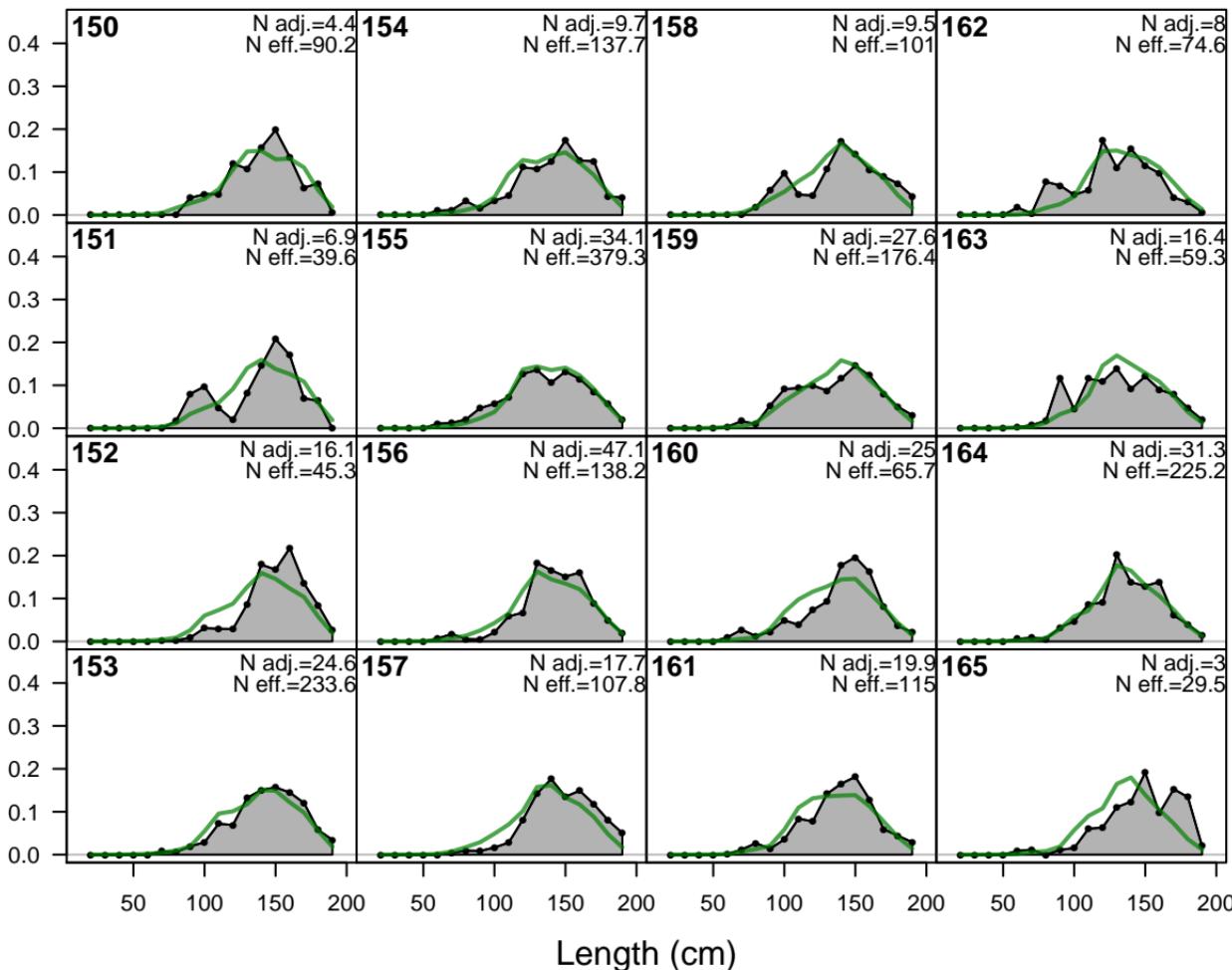
Proportion



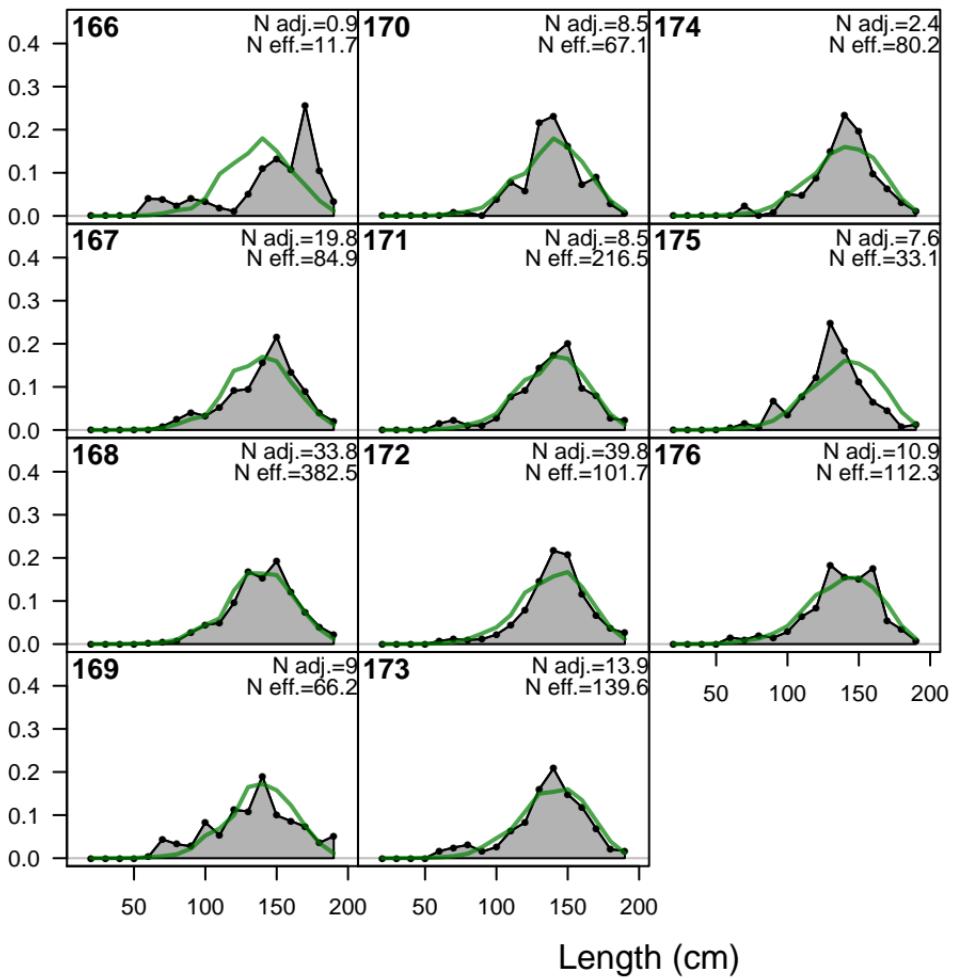
Proportion

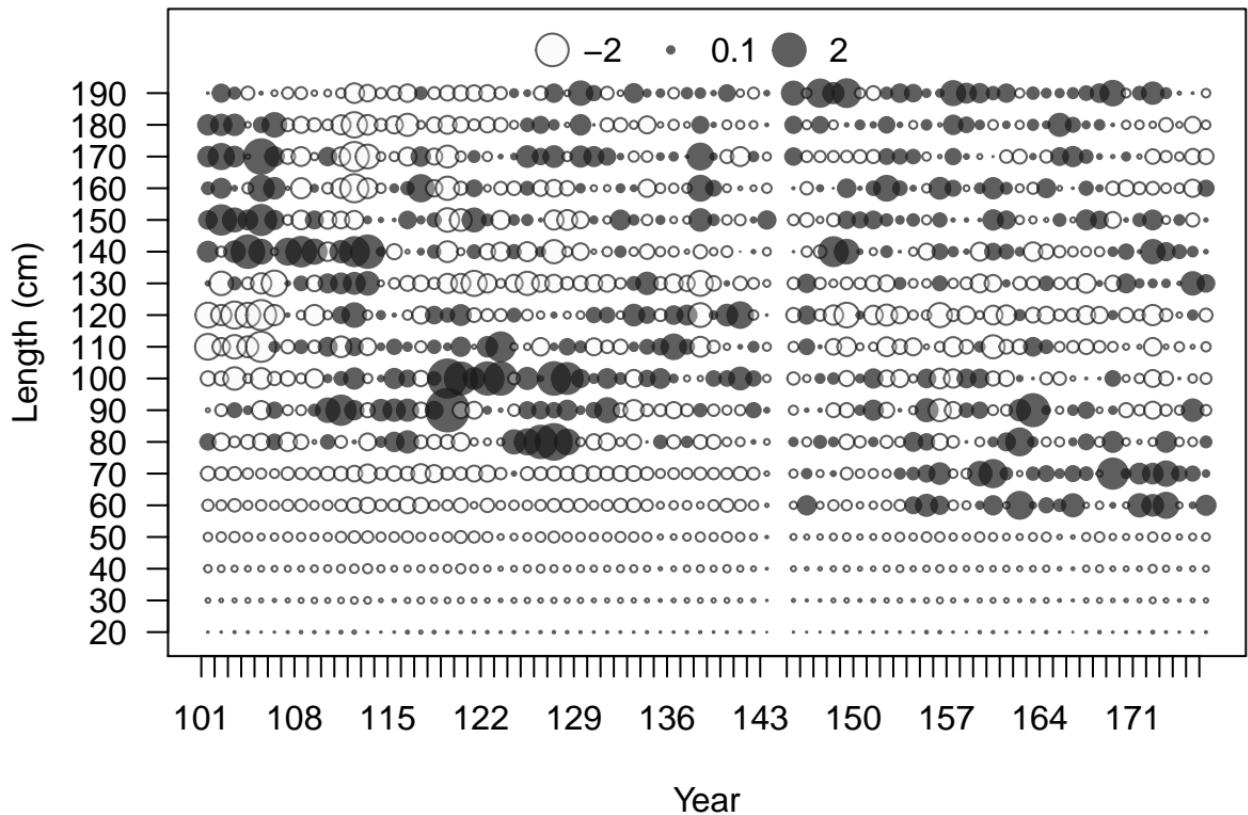


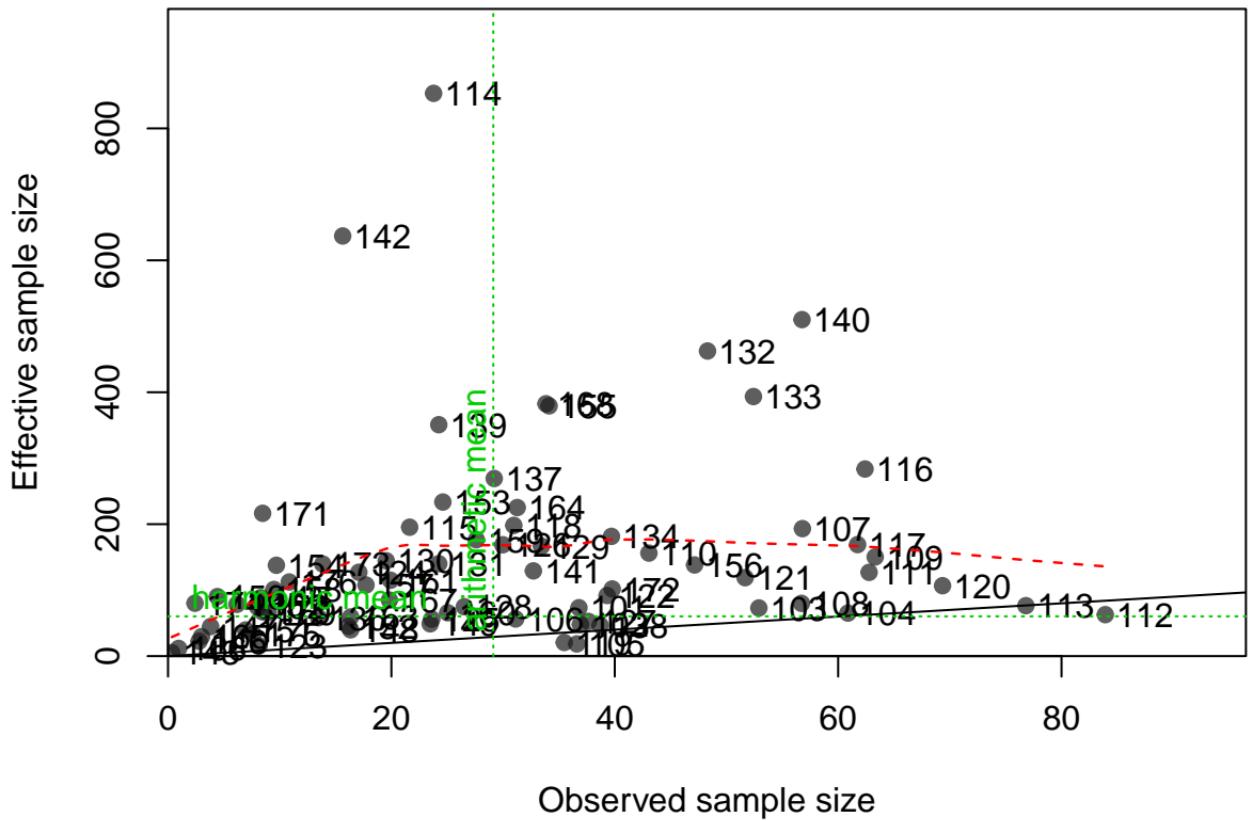
Proportion



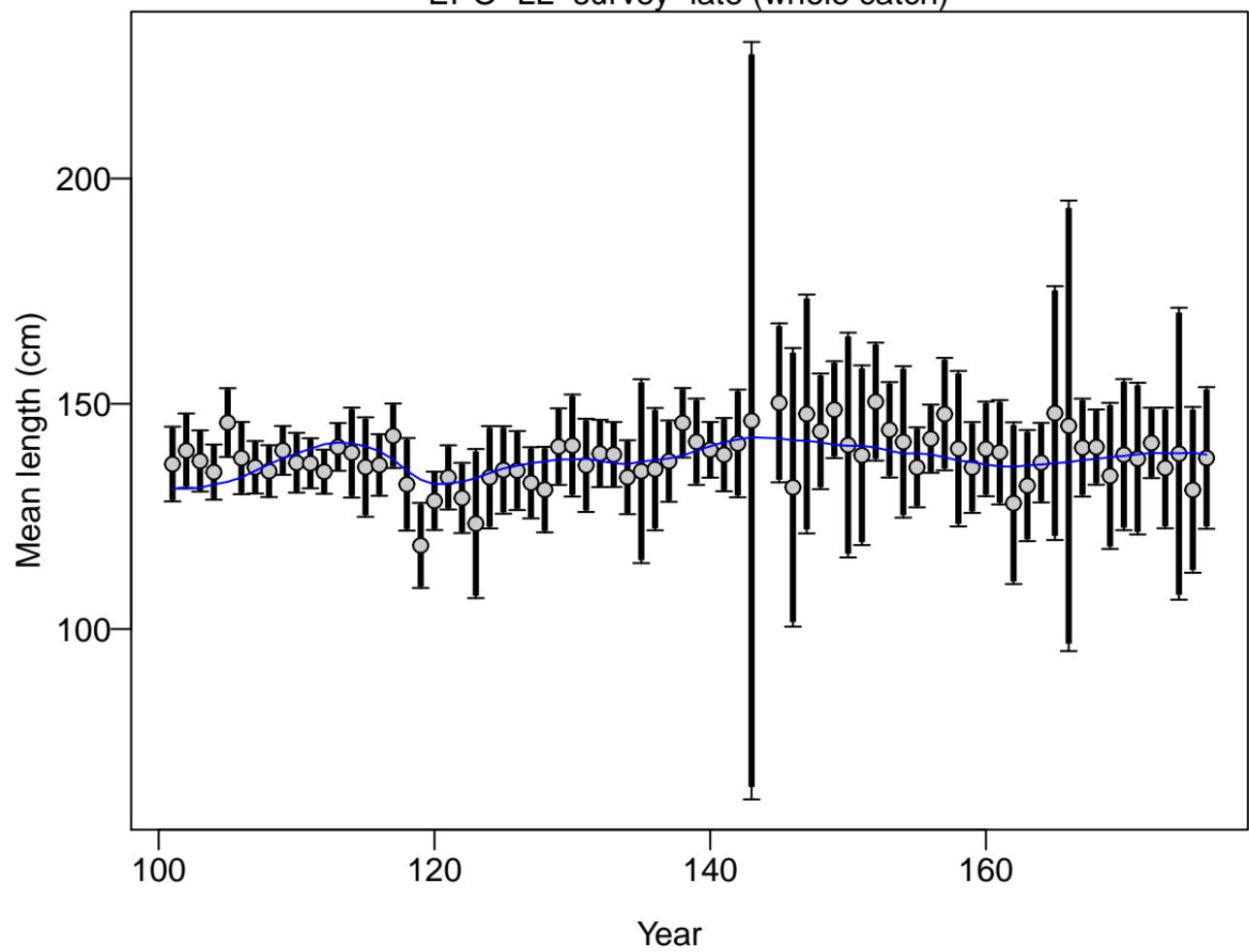
Proportion

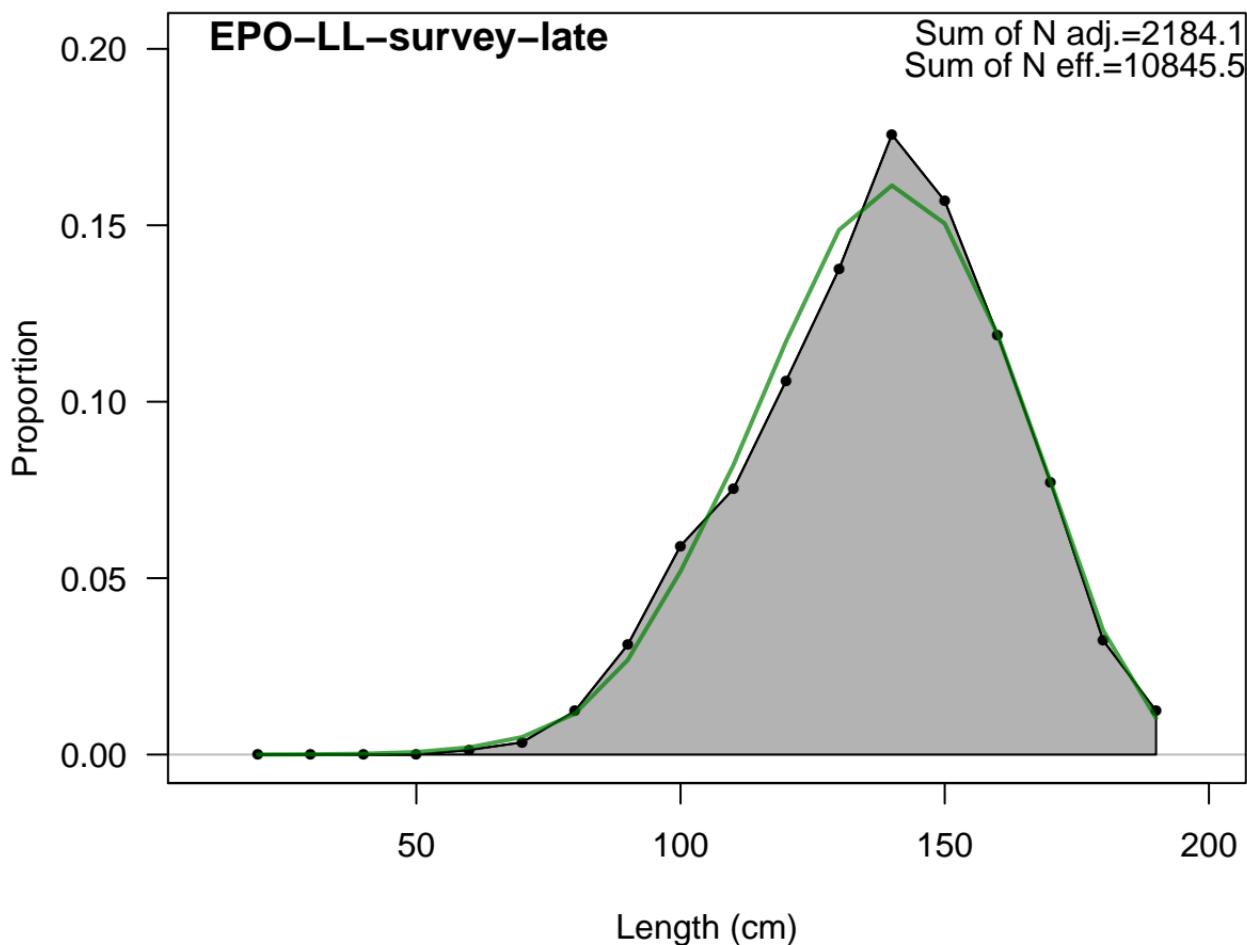


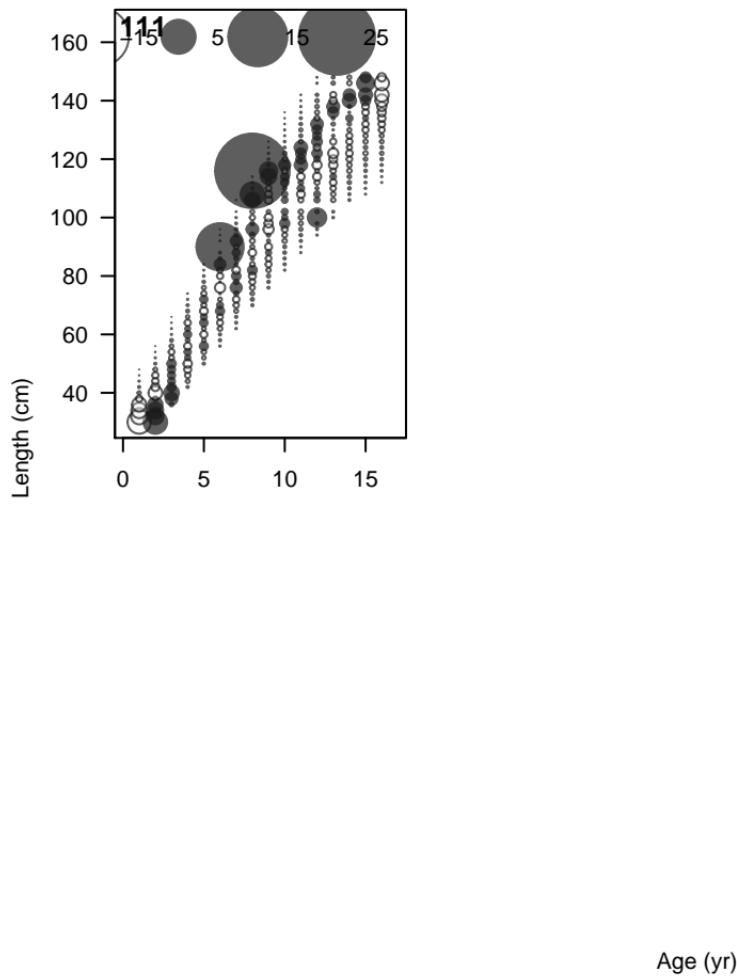


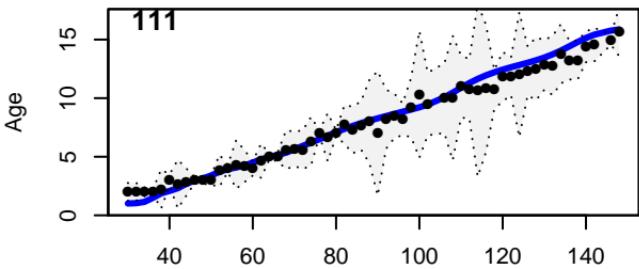


### EPO-LL-survey-late (whole catch)

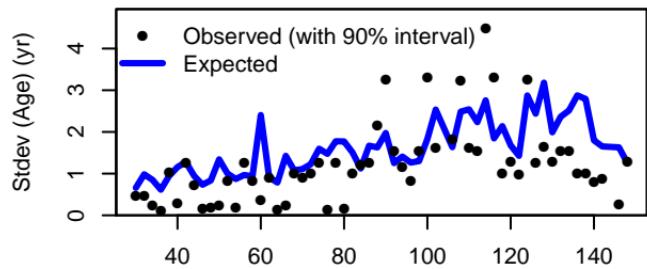


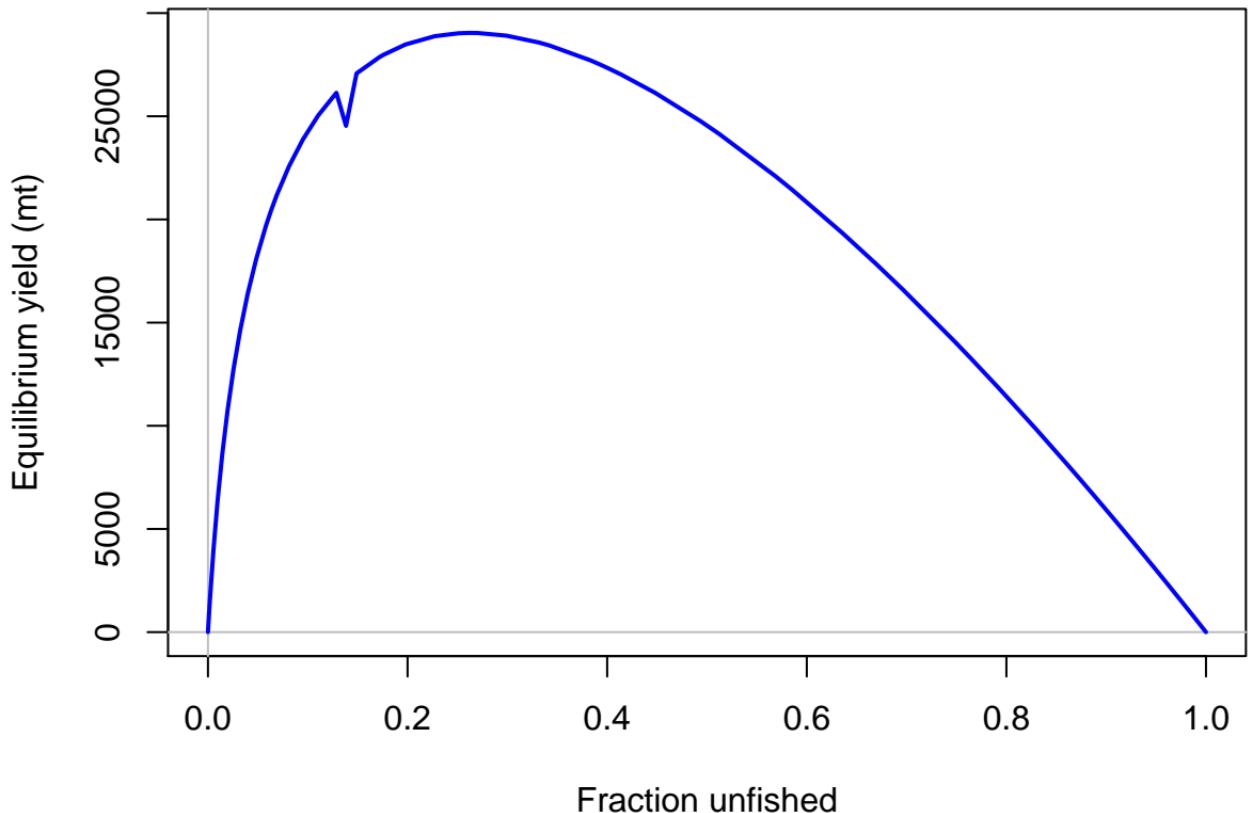


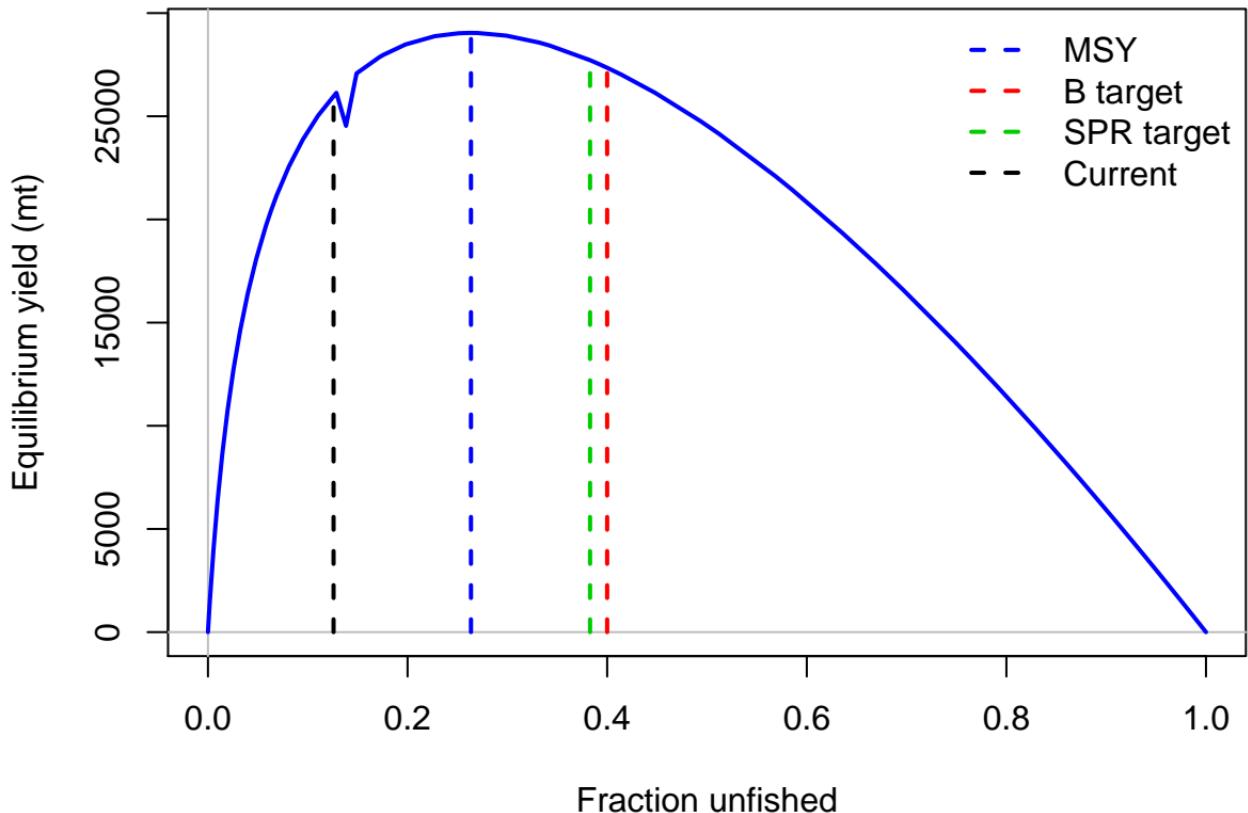


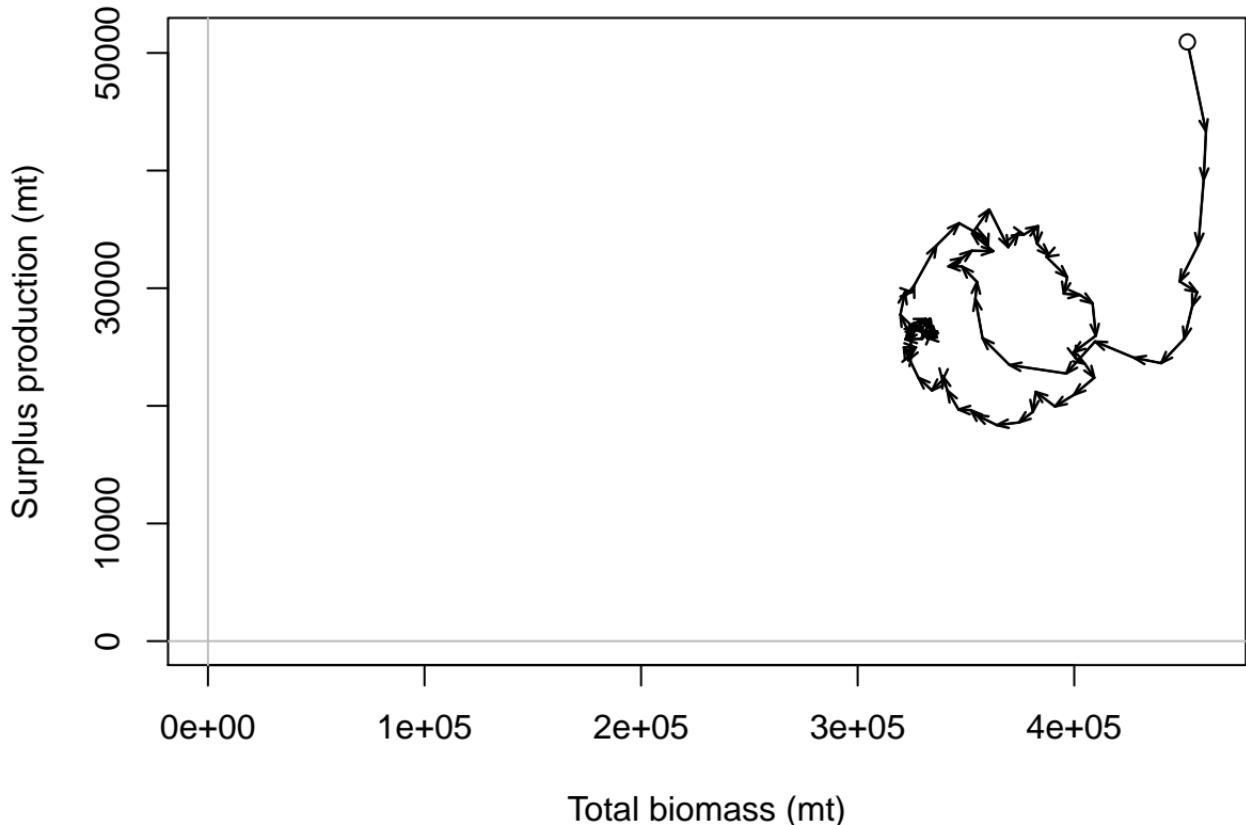


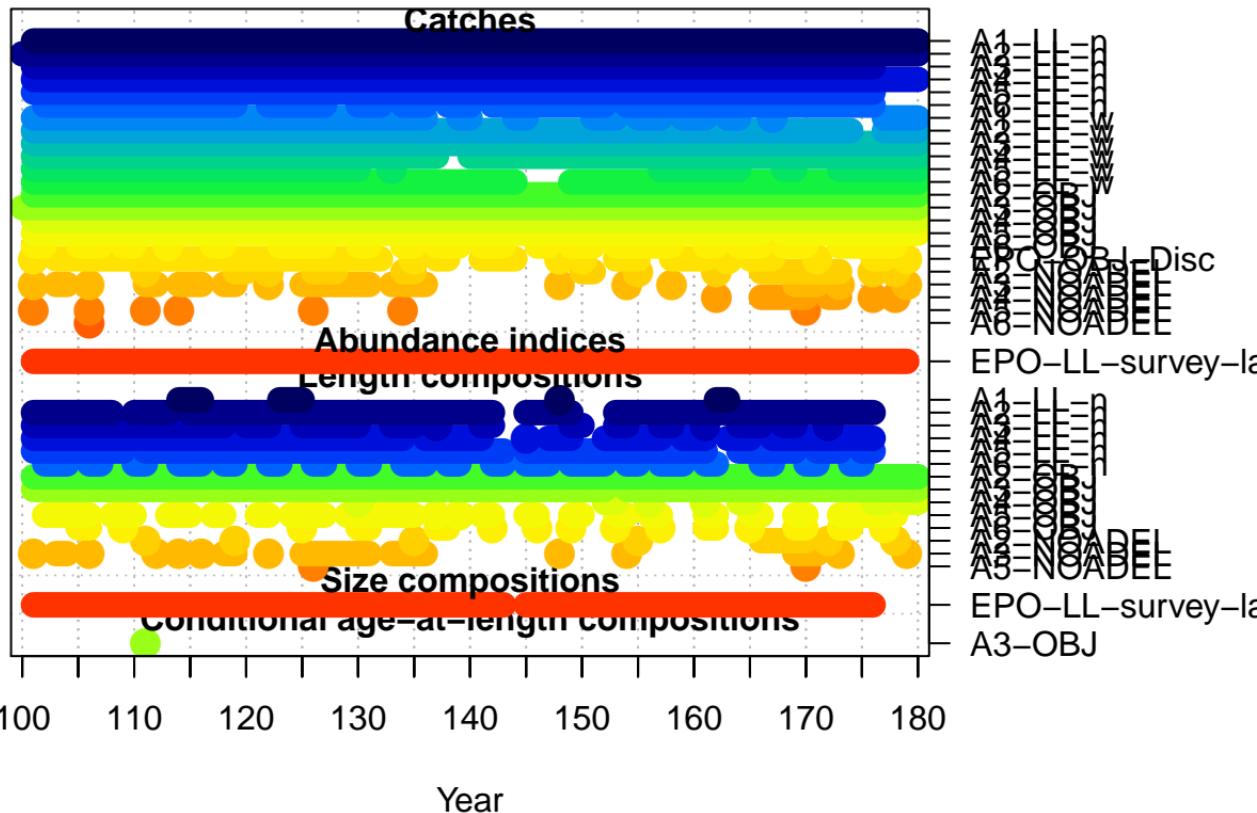
Length (cm)

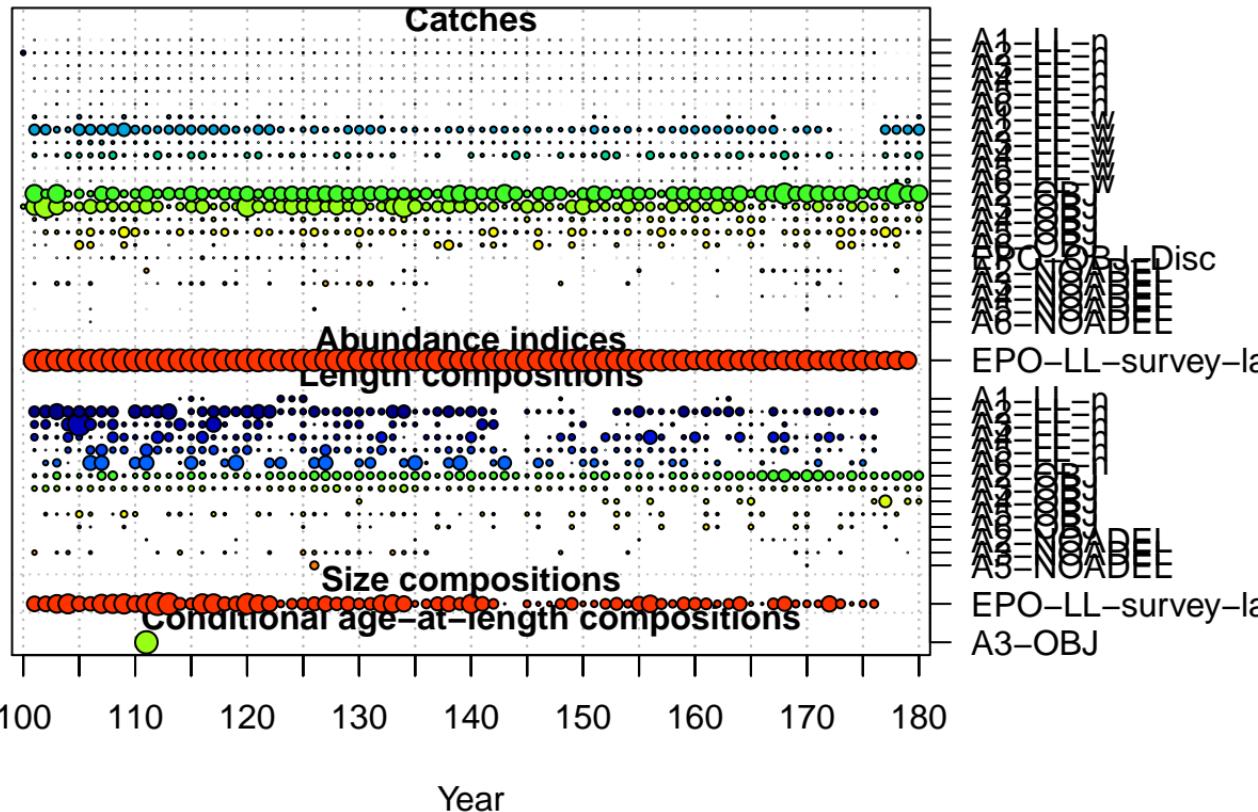








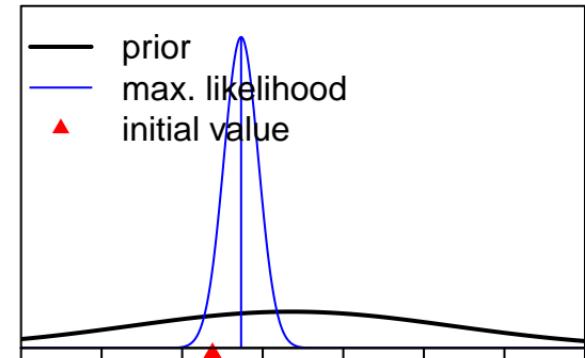




L\_at\_Amin\_Fem\_GP\_1

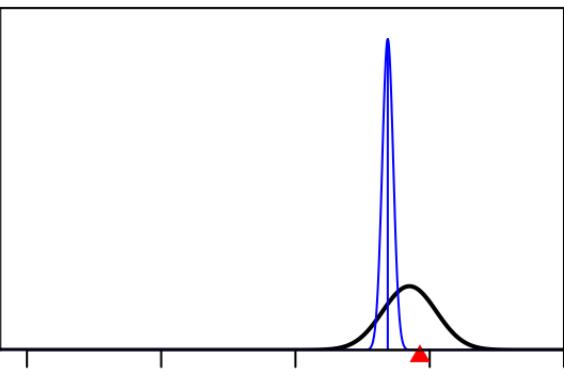
VonBert\_K\_Fem\_GP\_1

Density

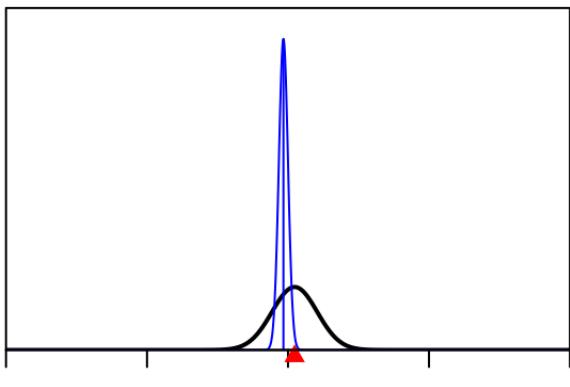


L\_at\_Amax\_Fem\_GP\_1

Richards\_Fem\_GP\_1



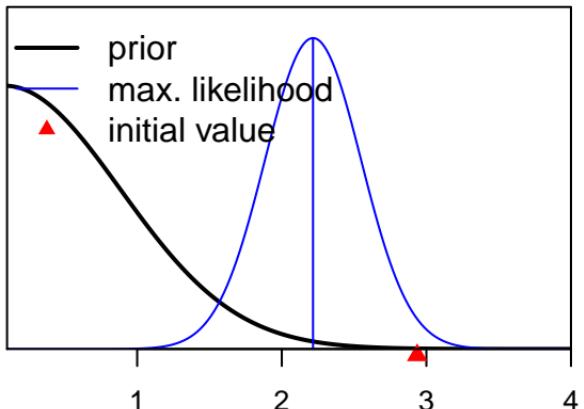
Parameter value



**SD\_young\_Fem\_GP\_1**

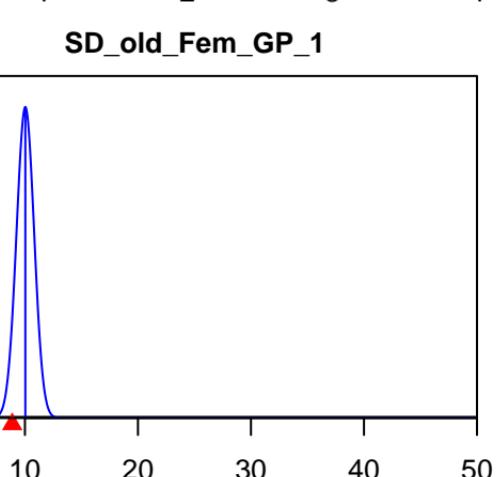
**SR\_LN(R0)**

Density

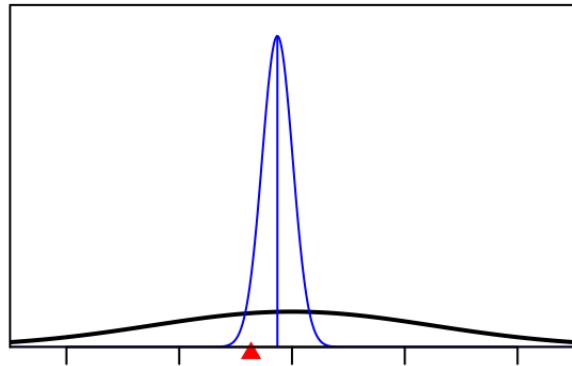


**SD\_old\_Fem\_GP\_1**

**SR\_regime\_BLK1add\_100**

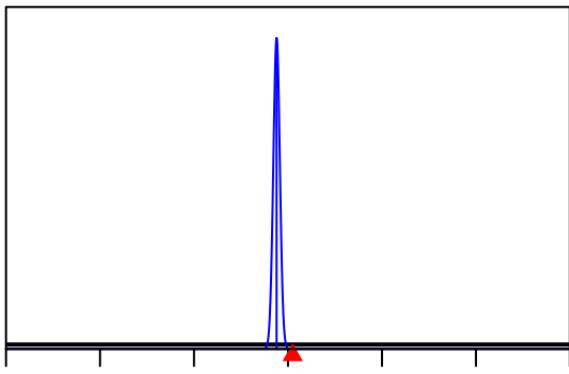
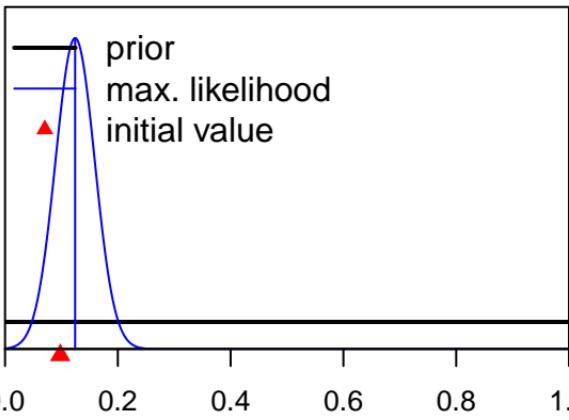


Parameter value



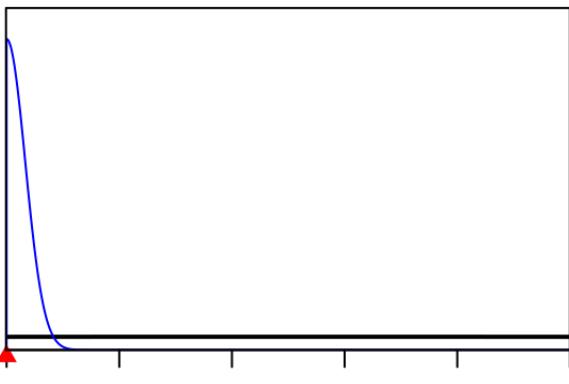
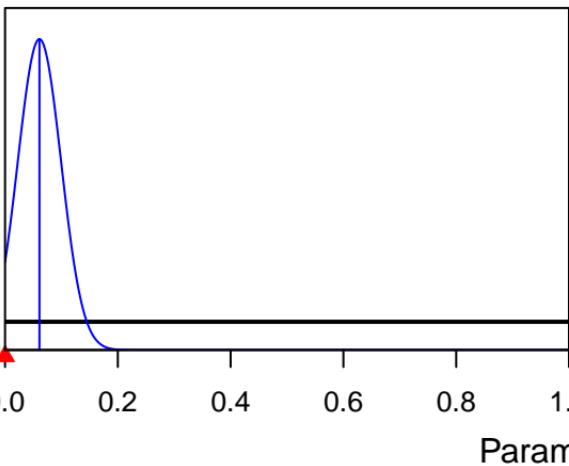
InitF\_seas\_1\_flt\_2A2-LL-n

LnQ\_base\_EPO-LL-survey-late(24)



InitF\_seas\_1\_flt\_14A3-OBJ

SizeSpline\_GradLo\_A1-LL-n(1)

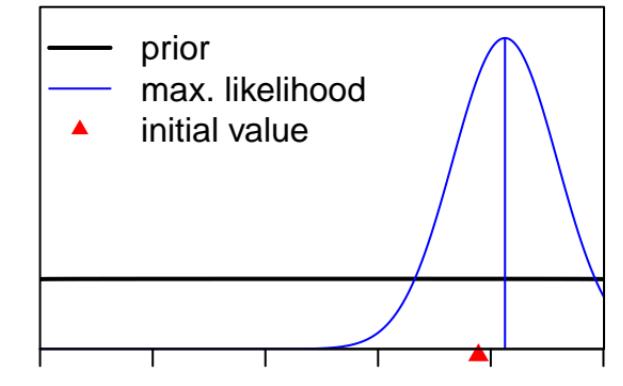


Parameter value

**SizeSpline\_GradHi\_A1-LL-n(1)**

**SizeSpline\_Val\_4\_A1-LL-n(1)**

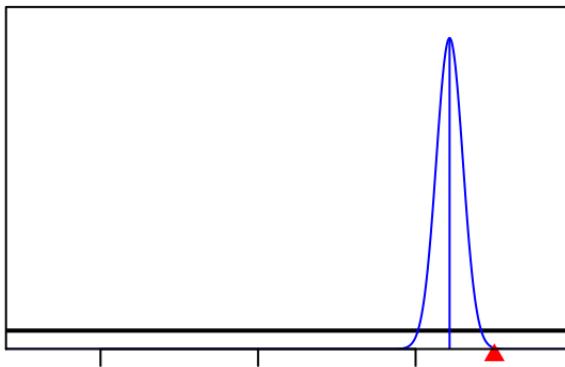
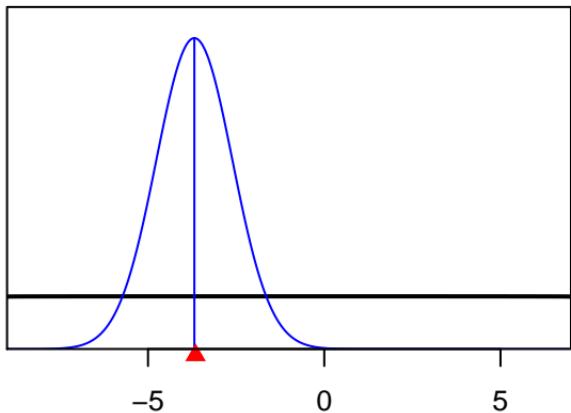
Density



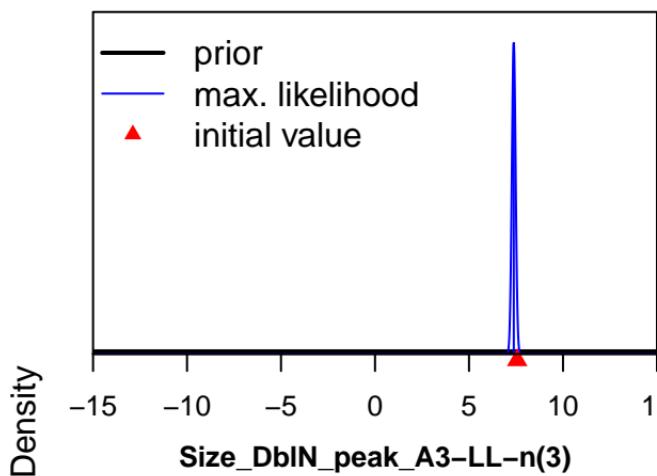
**SizeSpline\_Val\_2\_A1-LL-n(1)**

**Size\_DbIN\_peak\_A2-LL-n(2)**

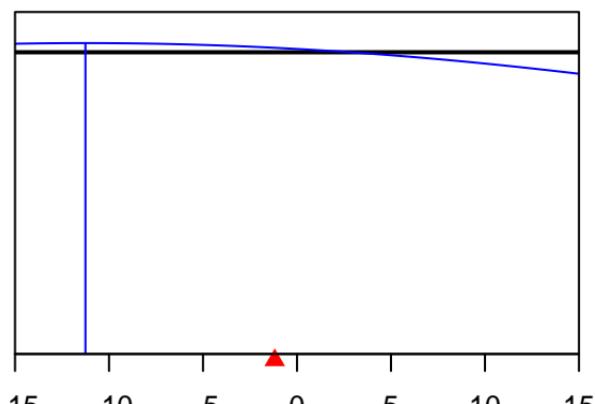
Parameter value



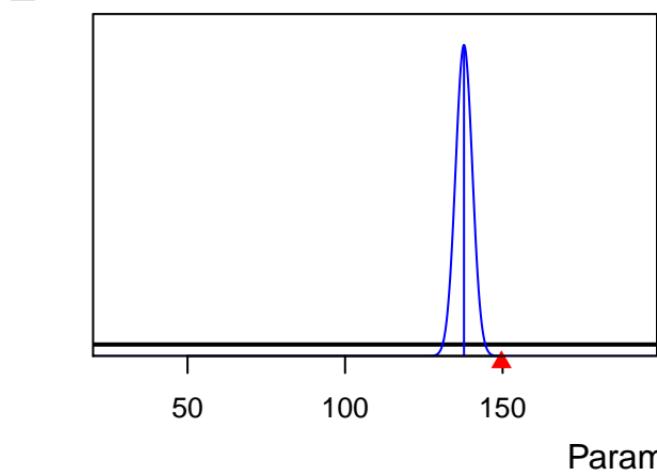
Size\_DbIN\_ascend\_se\_A2-LL-n(2)



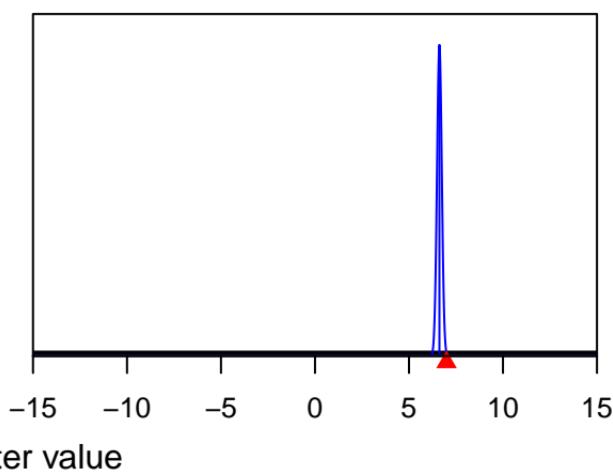
Size\_DbIN\_top\_logit\_A3-LL-n(3)



Size\_DbIN\_peak\_A3-LL-n(3)

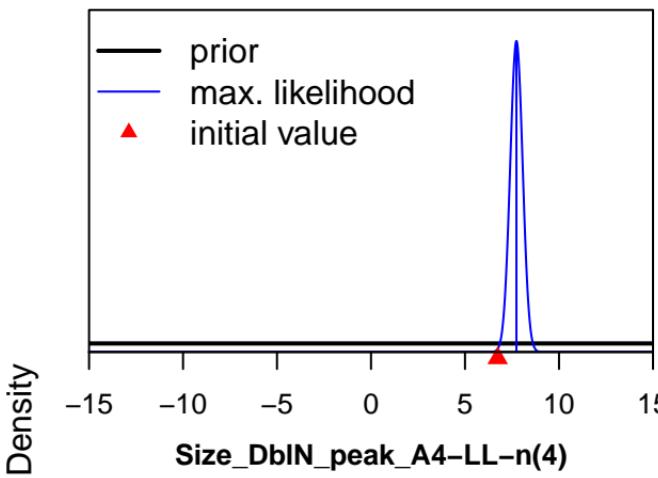


Size\_DbIN\_ascend\_se\_A3-LL-n(3)

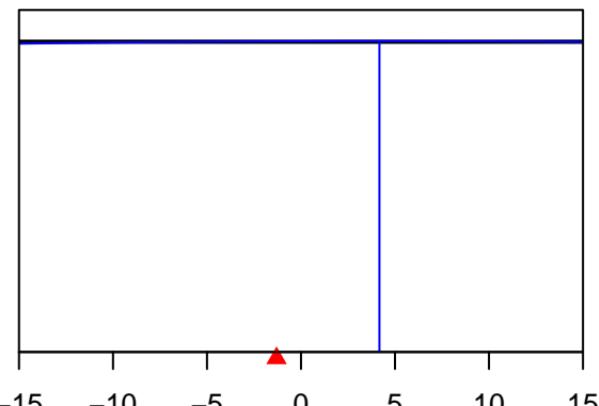


Parameter value

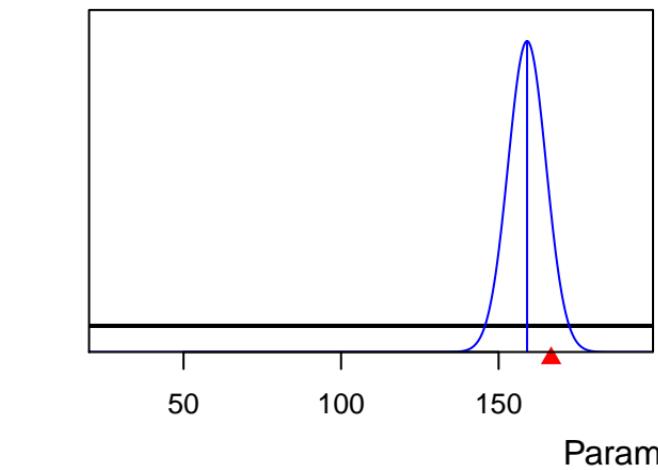
Size\_DbIN\_descend\_se\_A3-LL-n(3)



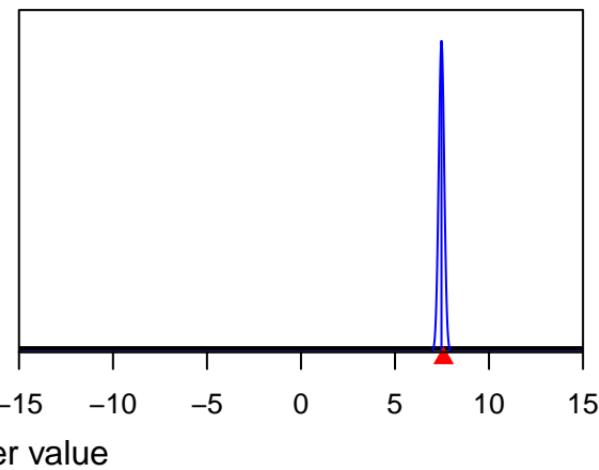
Size\_DbIN\_top\_logit\_A4-LL-n(4)



Size\_DbIN\_peak\_A4-LL-n(4)



Size\_DbIN\_ascend\_se\_A4-LL-n(4)

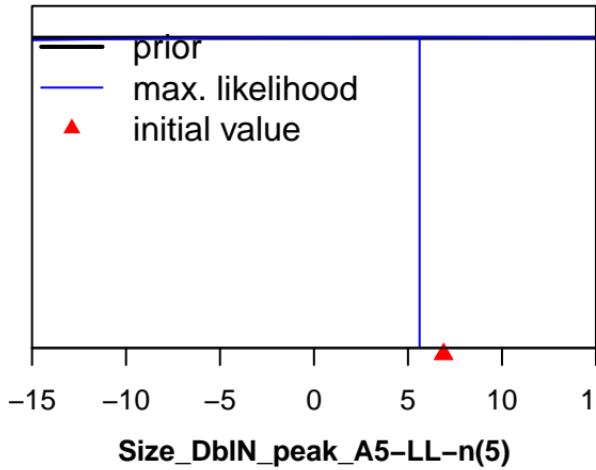


Parameter value

Size\_DbIN\_descend\_se\_A4-LL-n(4)

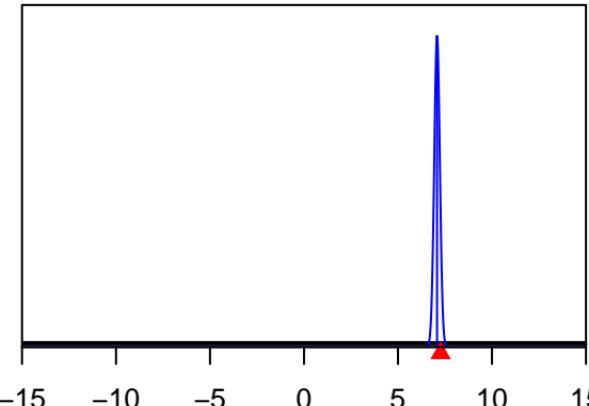
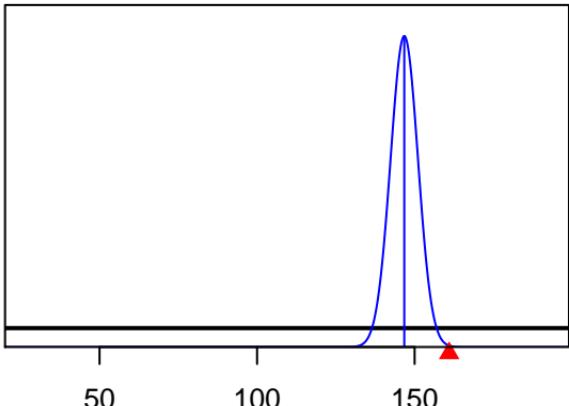
Size\_DbIN\_top\_logit\_A5-LL-n(5)

Density



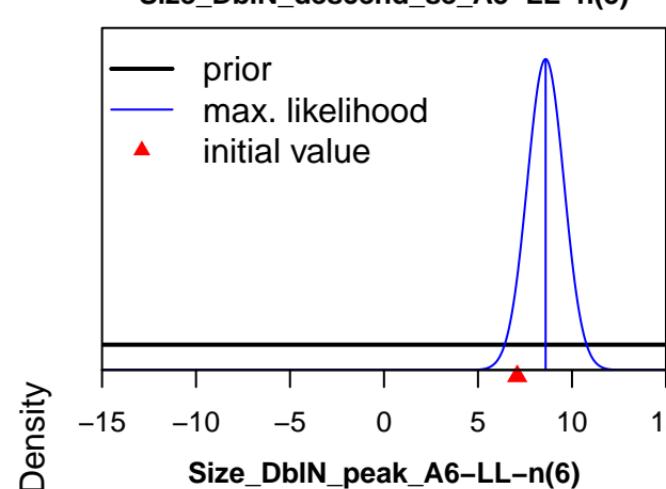
Size\_DbIN\_peak\_A5-LL-n(5)

Size\_DbIN\_ascend\_se\_A5-LL-n(5)

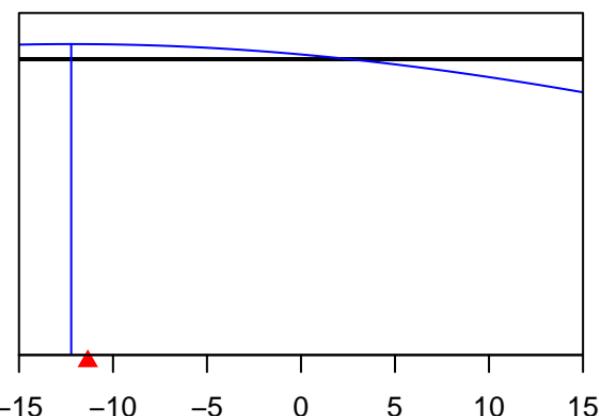


Parameter value

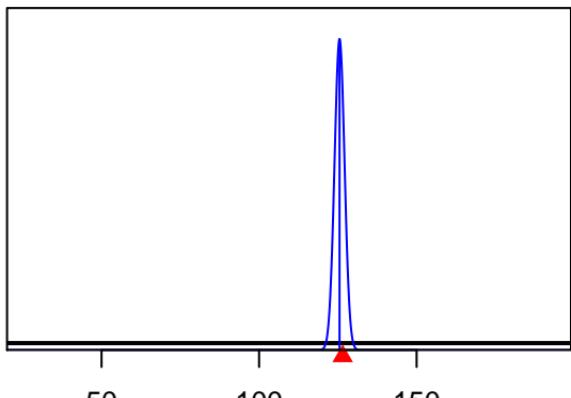
Size\_DbIN\_descend\_se\_A5-LL-n(5)



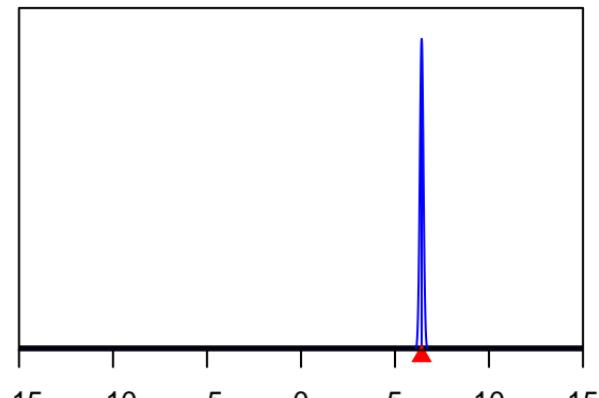
Size\_DbIN\_top\_logit\_A6-LL-n(6)



Size\_DbIN\_peak\_A6-LL-n(6)

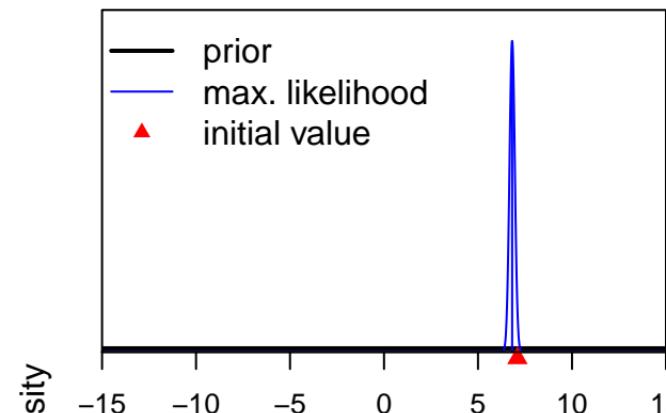


Size\_DbIN\_ascend\_se\_A6-LL-n(6)

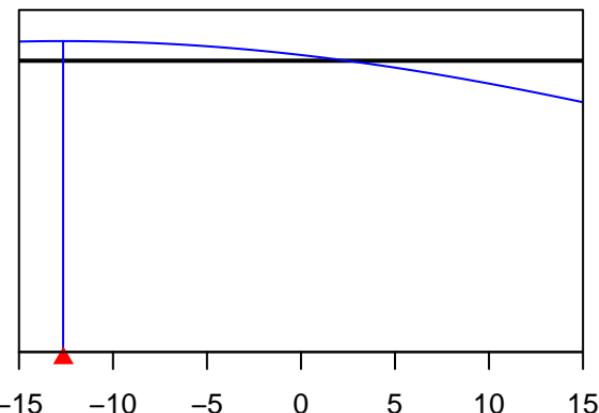


Parameter value

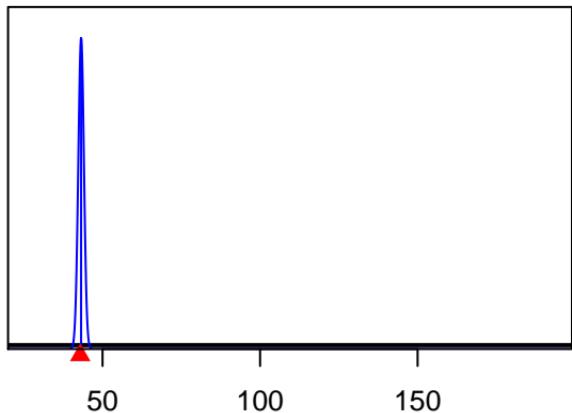
**Size\_DbIN\_descend\_se\_A6-LL-n(6)**



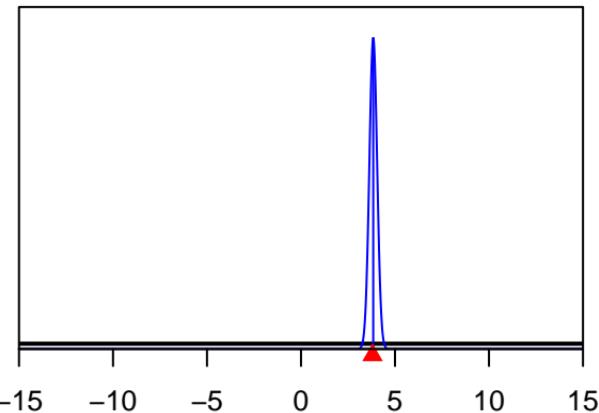
**Size\_DbIN\_top\_logit\_A2-OBJ(13)**



**Size\_DbIN\_peak\_A2-OBJ(13)**



**Size\_DbIN\_ascend\_se\_A2-OBJ(13)**

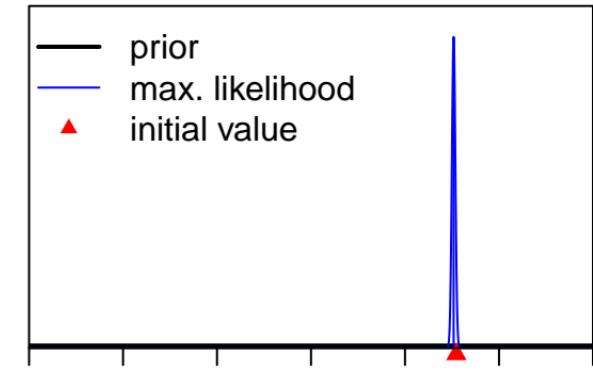


Parameter value

Size\_DbIN\_descend\_se\_A2–OBJ(13)

Size\_DbIN\_top\_logit\_A3–OBJ(14)

Density



Size\_DbIN\_peak\_A3–OBJ(14)

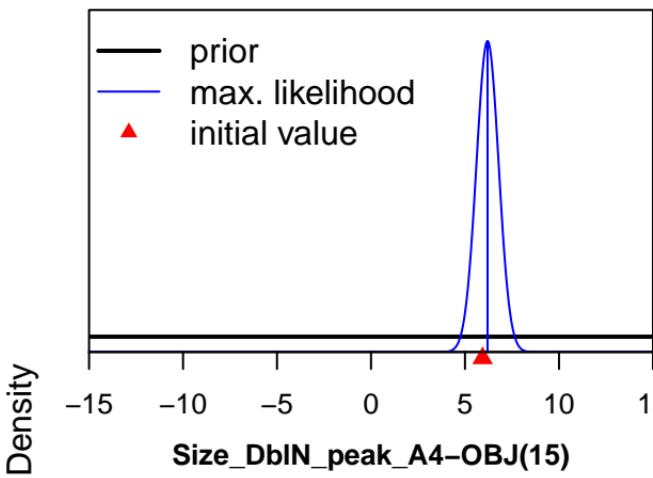
Size\_DbIN\_ascend\_se\_A3–OBJ(14)

50 100 150

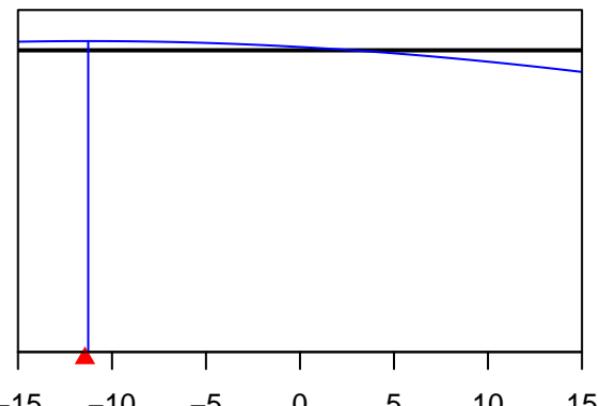
-15 -10 -5 0 5 10 15

Parameter value

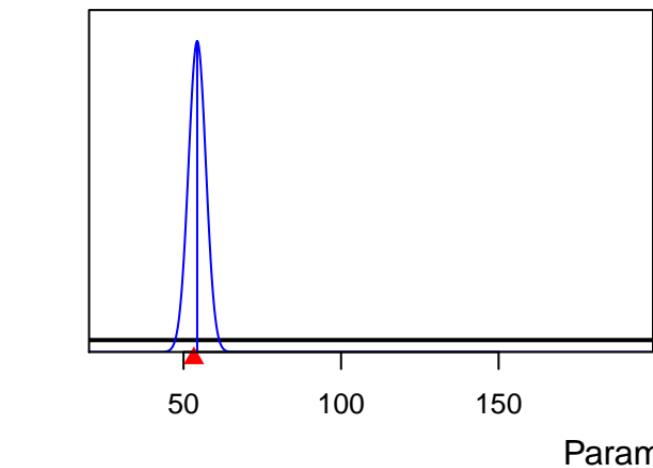
Size\_DbIN\_descend\_se\_A3–OBJ(14)



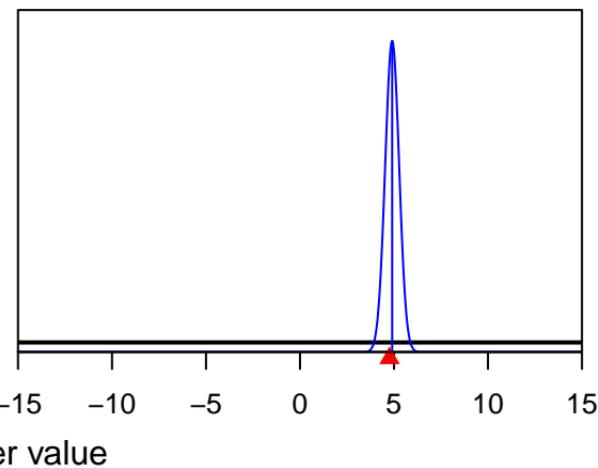
Size\_DbIN\_top\_logit\_A4–OBJ(15)



Size\_DbIN\_peak\_A4–OBJ(15)



Size\_DbIN\_ascend\_se\_A4–OBJ(15)

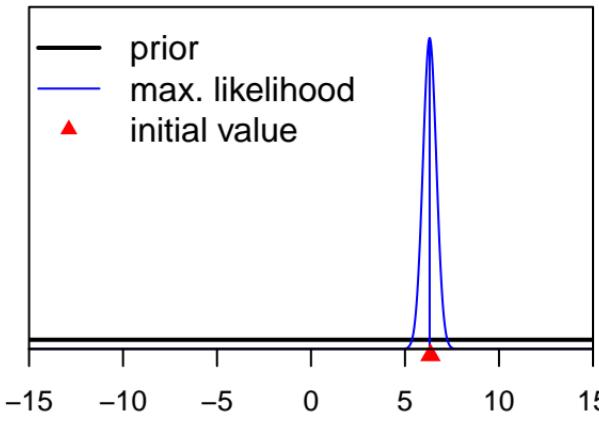


Parameter value

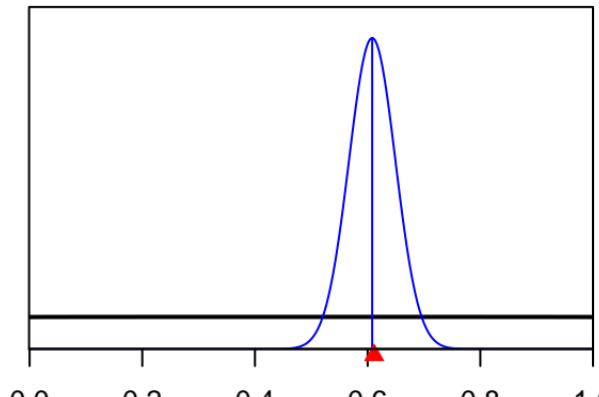
Size\_DbIN\_descend\_se\_A4–OBJ(15)

SizeSpline\_GradHi\_A5–OBJ(16)

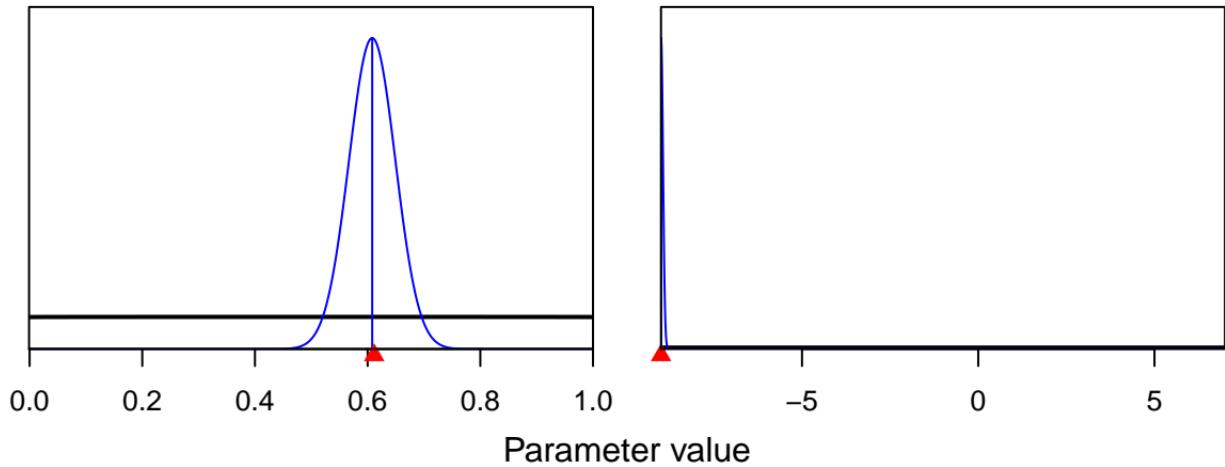
Density



SizeSpline\_GradLo\_A5–OBJ(16)



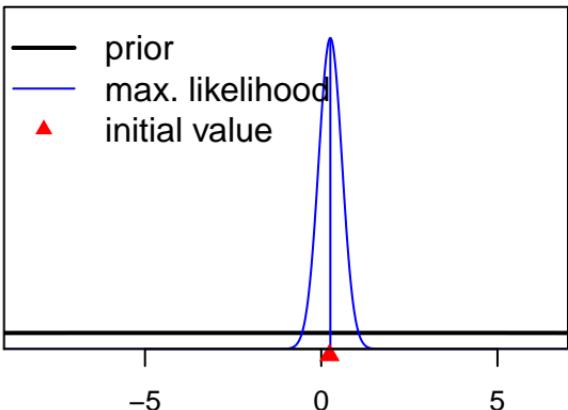
SizeSpline\_Val\_1\_A5–OBJ(16)



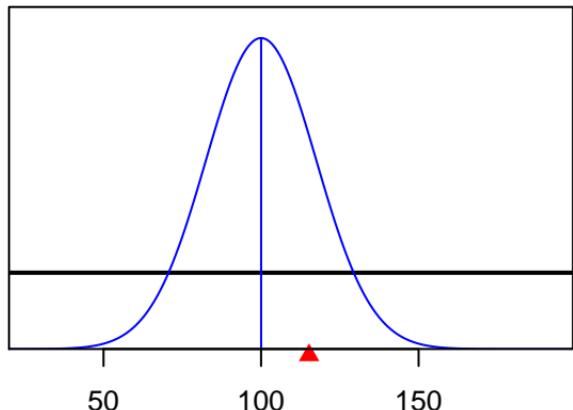
Parameter value

SizeSpline\_Val\_2\_A5–OBJ(16)

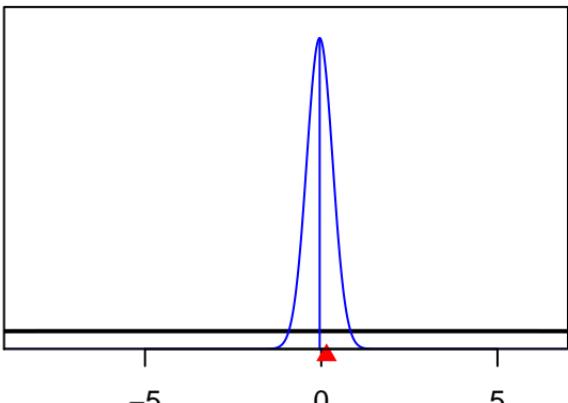
Density



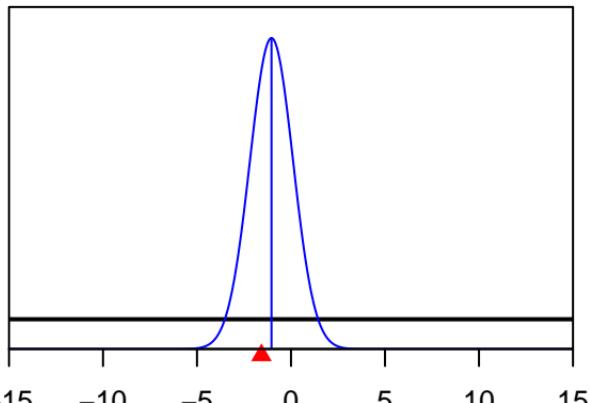
Size\_DbIN\_peak\_A6–OBJ(17)



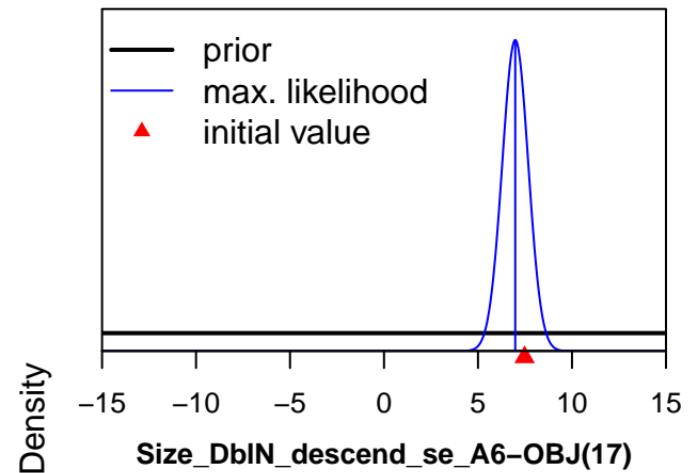
SizeSpline\_Val\_4\_A5–OBJ(16)



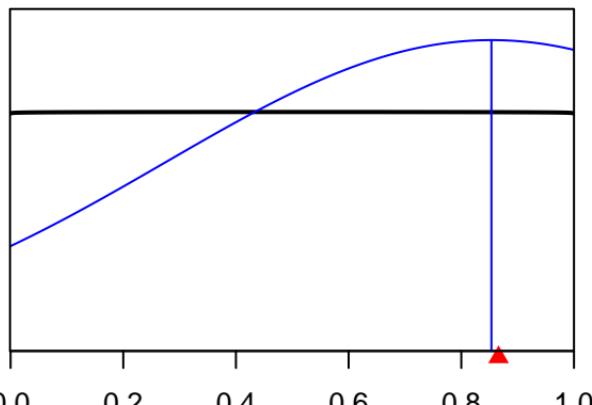
Size\_DbIN\_top\_logit\_A6–OBJ(17)



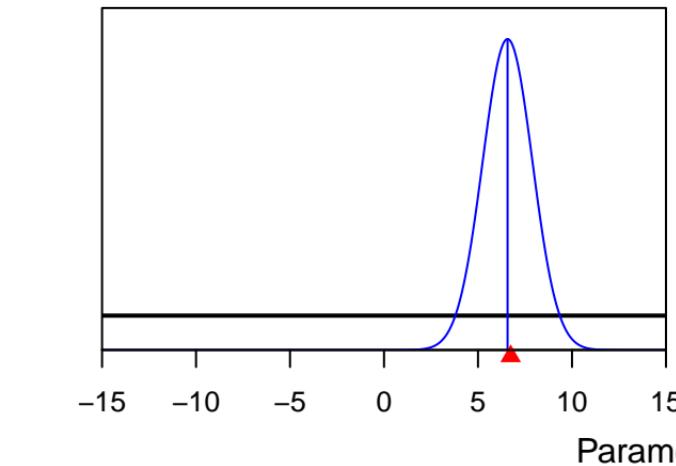
Size\_DbIN\_ascend\_se\_A6-OBJ(17)



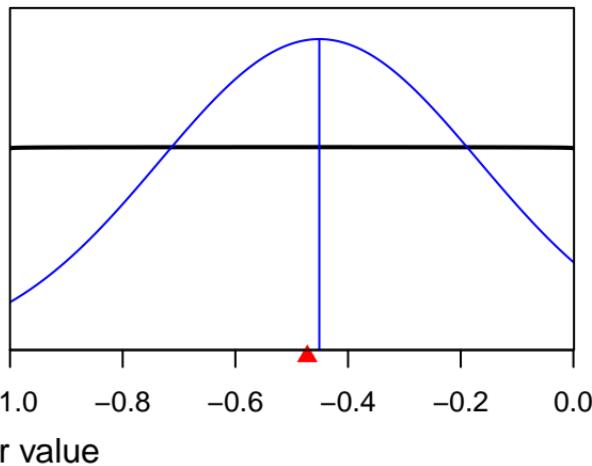
SizeSpline\_GradLo\_A2-NOADEL(19)



Size\_DbIN\_descend\_se\_A6-OBJ(17)

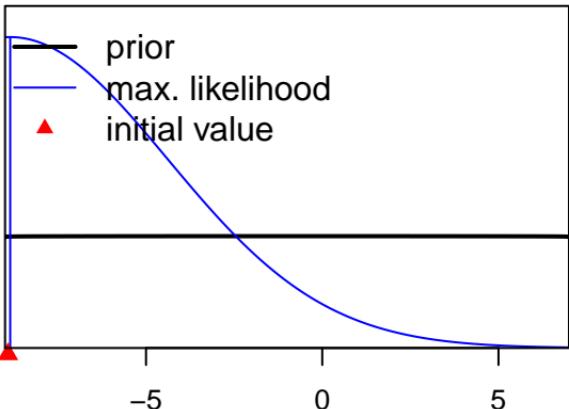


SizeSpline\_GradHi\_A2-NOADEL(19)

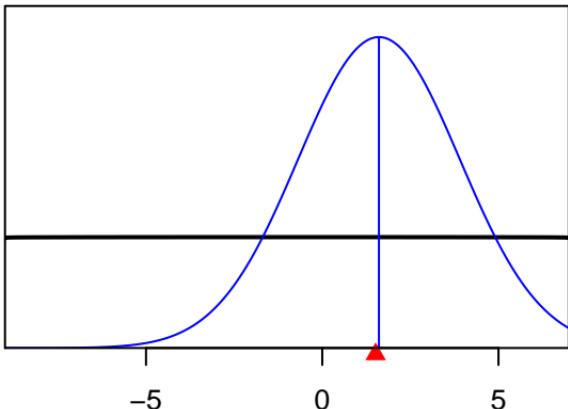


SizeSpline\_Val\_1\_A2-NOADEL(19)

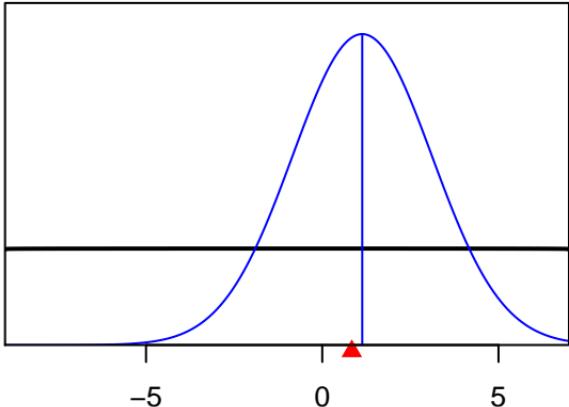
Density



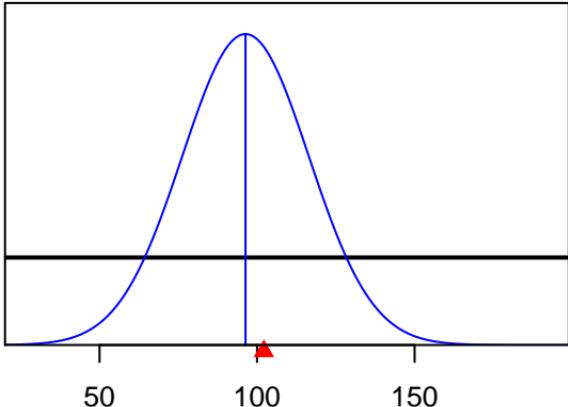
SizeSpline\_Val\_4\_A2-NOADEL(19)



SizeSpline\_Val\_2\_A2-NOADEL(19)

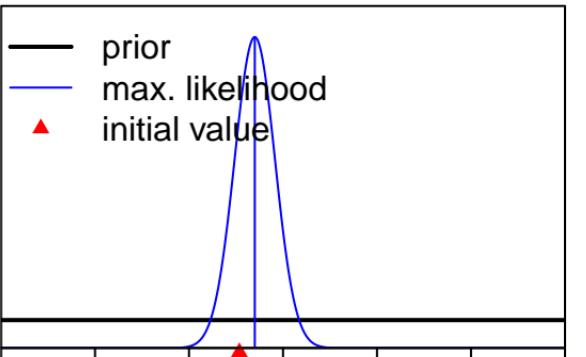


Size\_DblN\_peak\_A3-NOADEL(20)

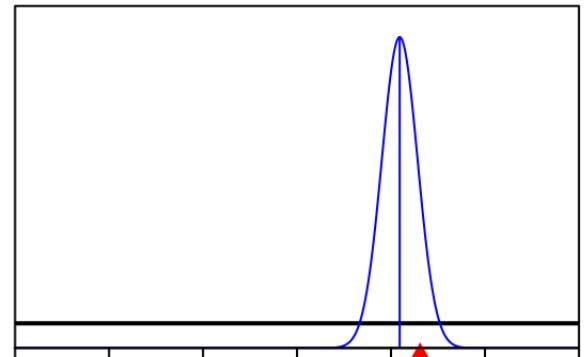


Parameter value

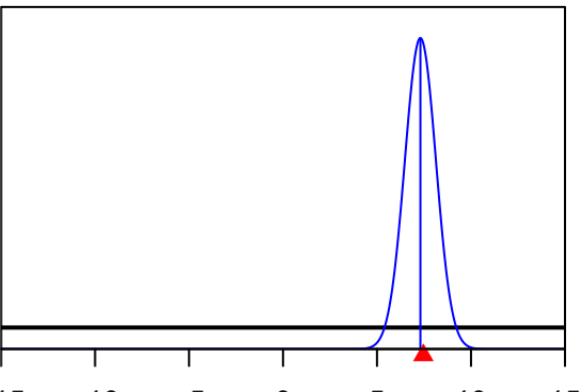
Size\_DbIN\_top\_logit\_A3-NOADEL(20)



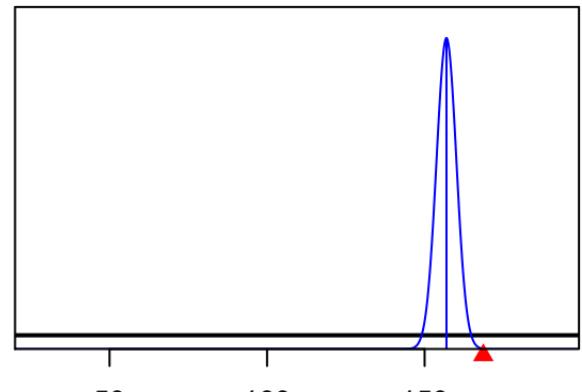
Size\_DbIN\_descend\_se\_A3-NOADEL(20)



Size\_DbIN\_ascend\_se\_A3-NOADEL(20)

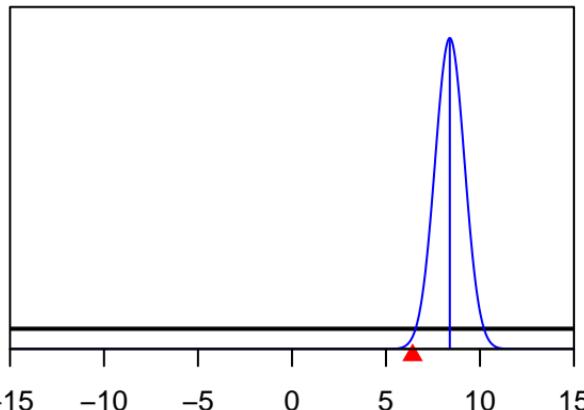
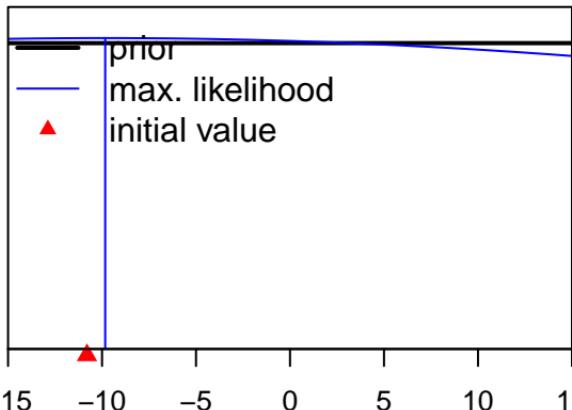


Size\_DbIN\_peak\_EPO-LL-survey-late(24)



Parameter value

### Size\_DbIN\_top\_logit\_EPO-LL-survey-late(24)ize\_DbIN\_descend\_se\_EPO-LL-survey-late(24)



### Size\_DbIN\_ascend\_se\_EPO-LL-survey-late(24)

