

Plots created using the 'r4ss' package in R

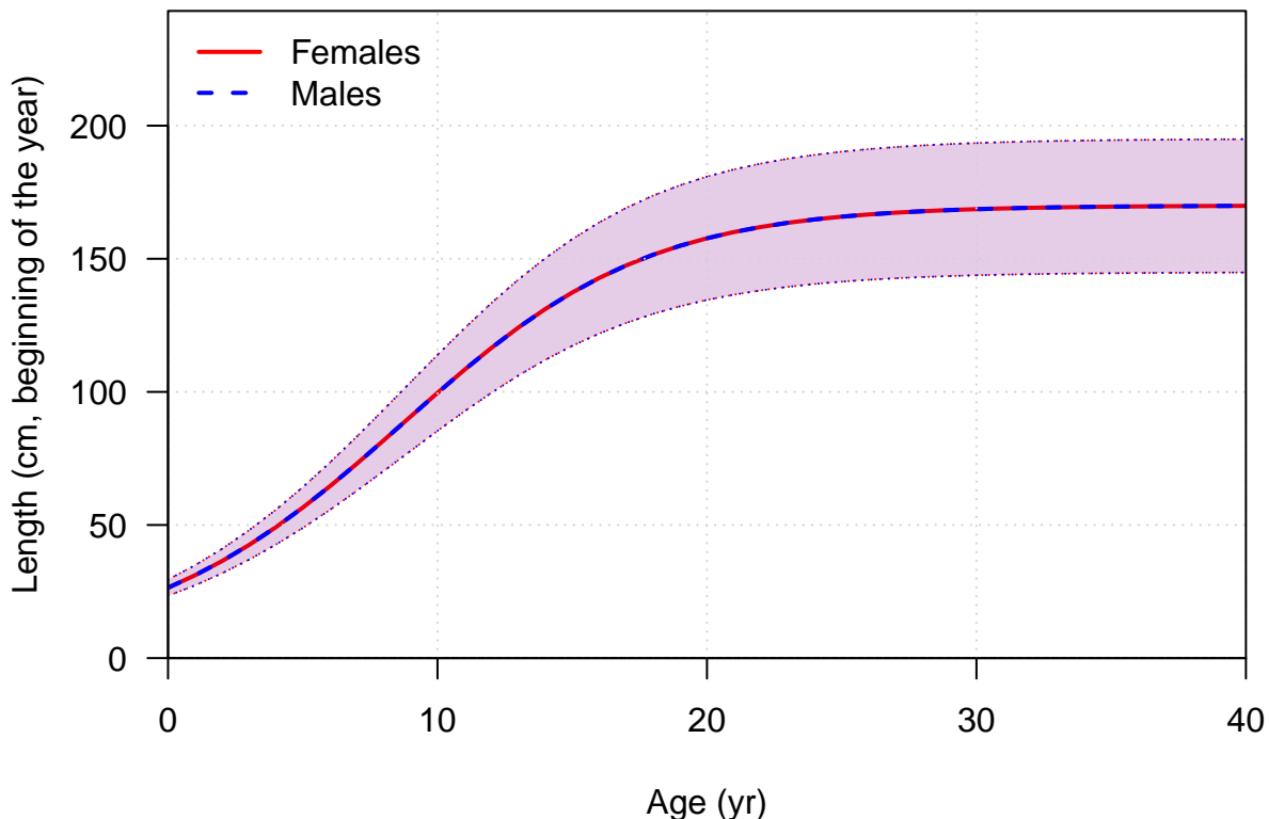
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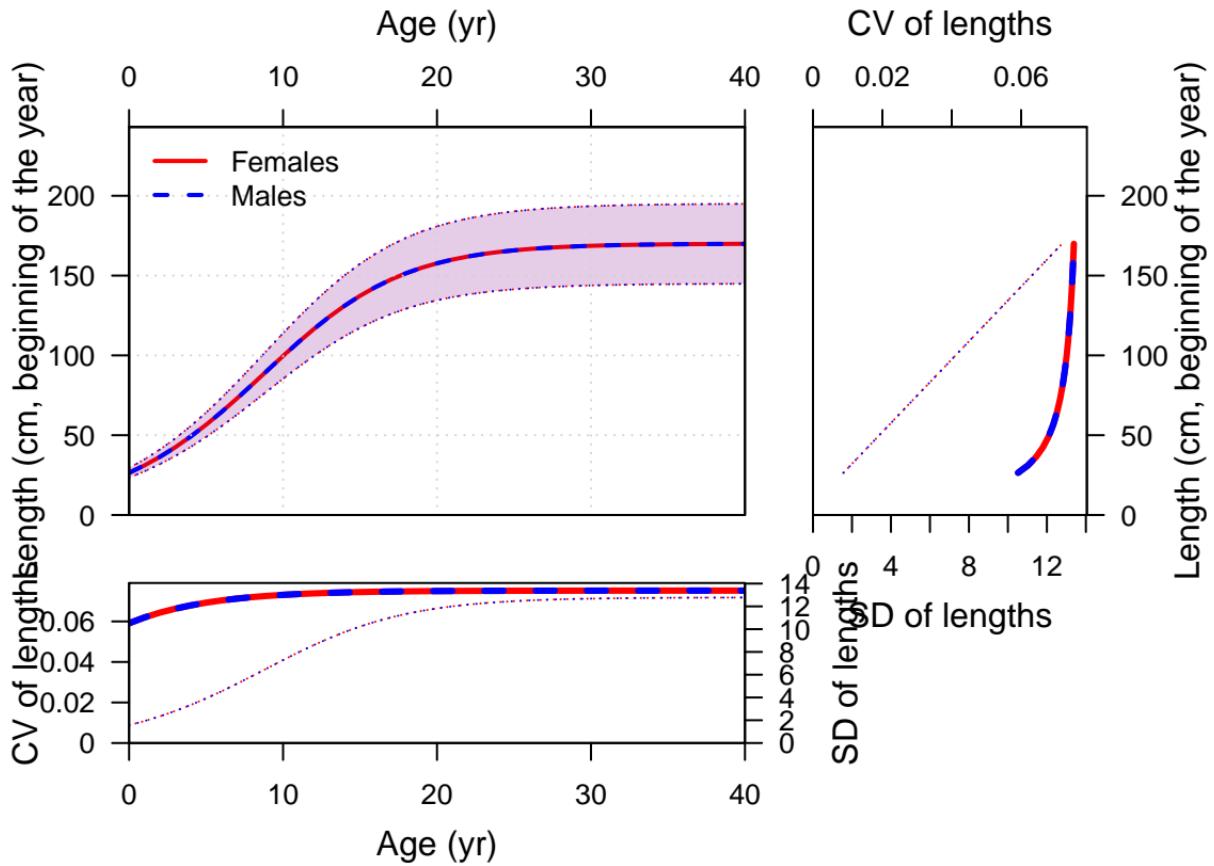
StartTime: Mon May 11 15:42:58 2020

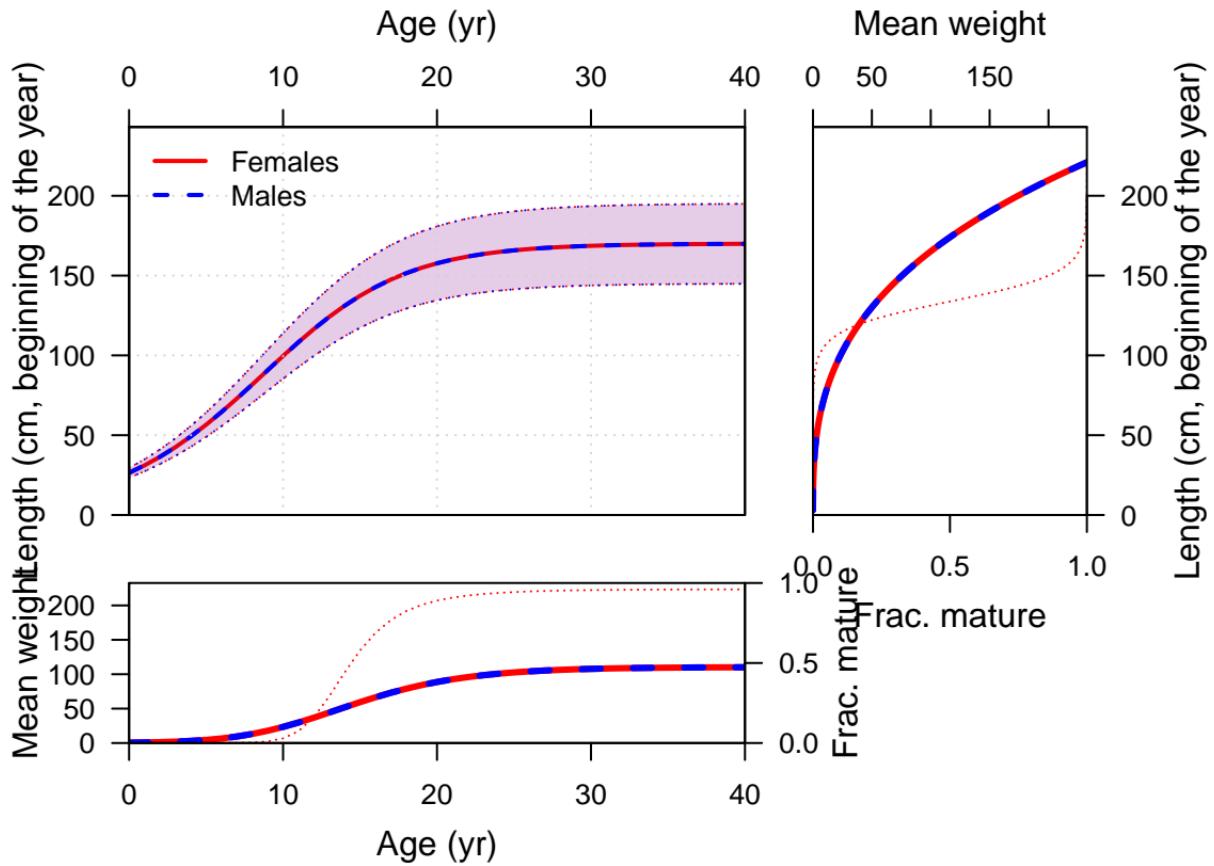
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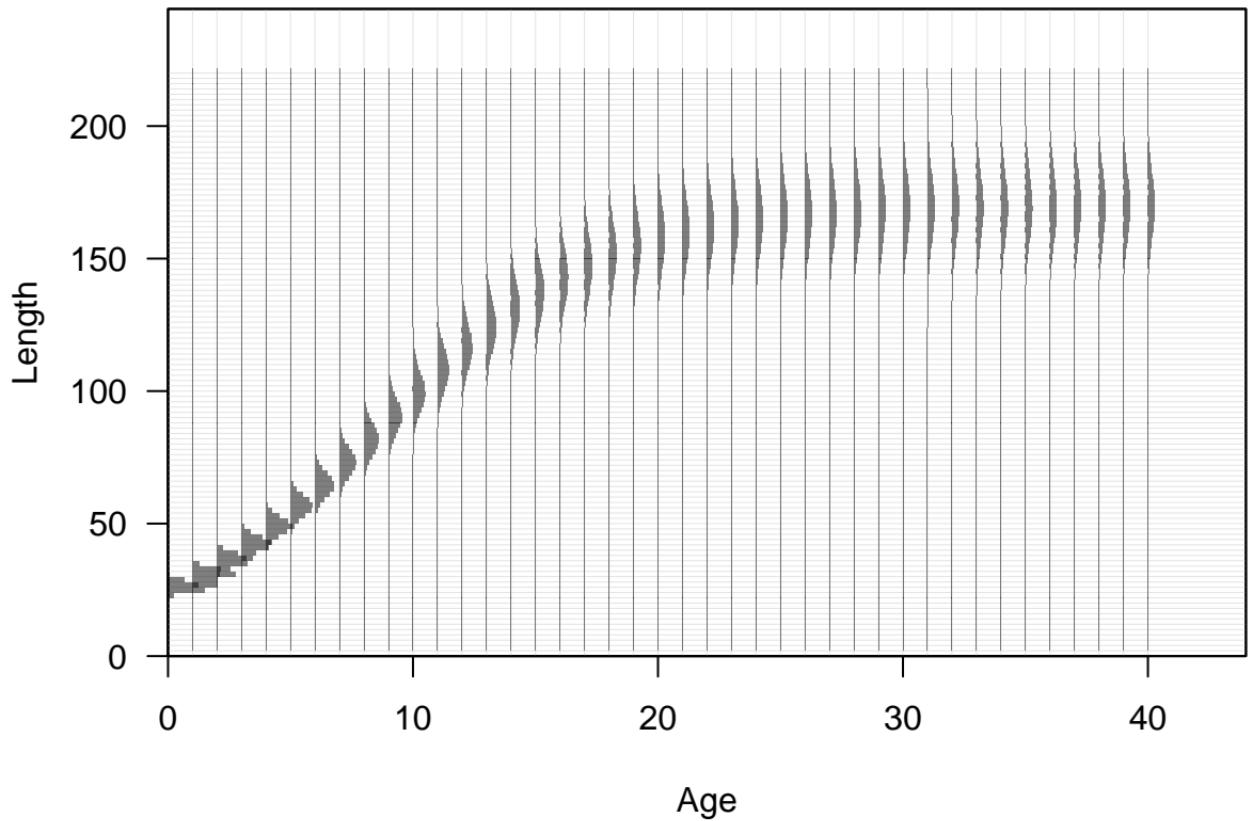
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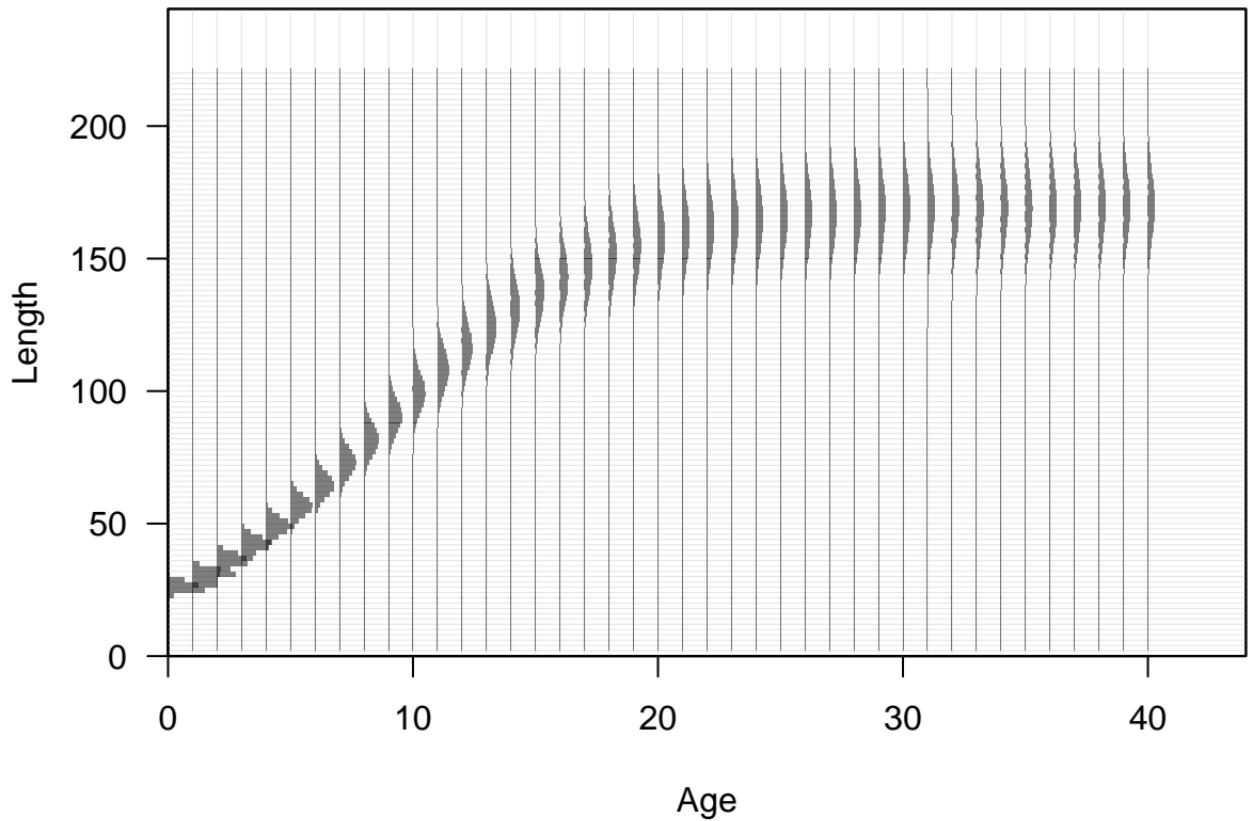
Ending year expected growth (with 95% intervals)

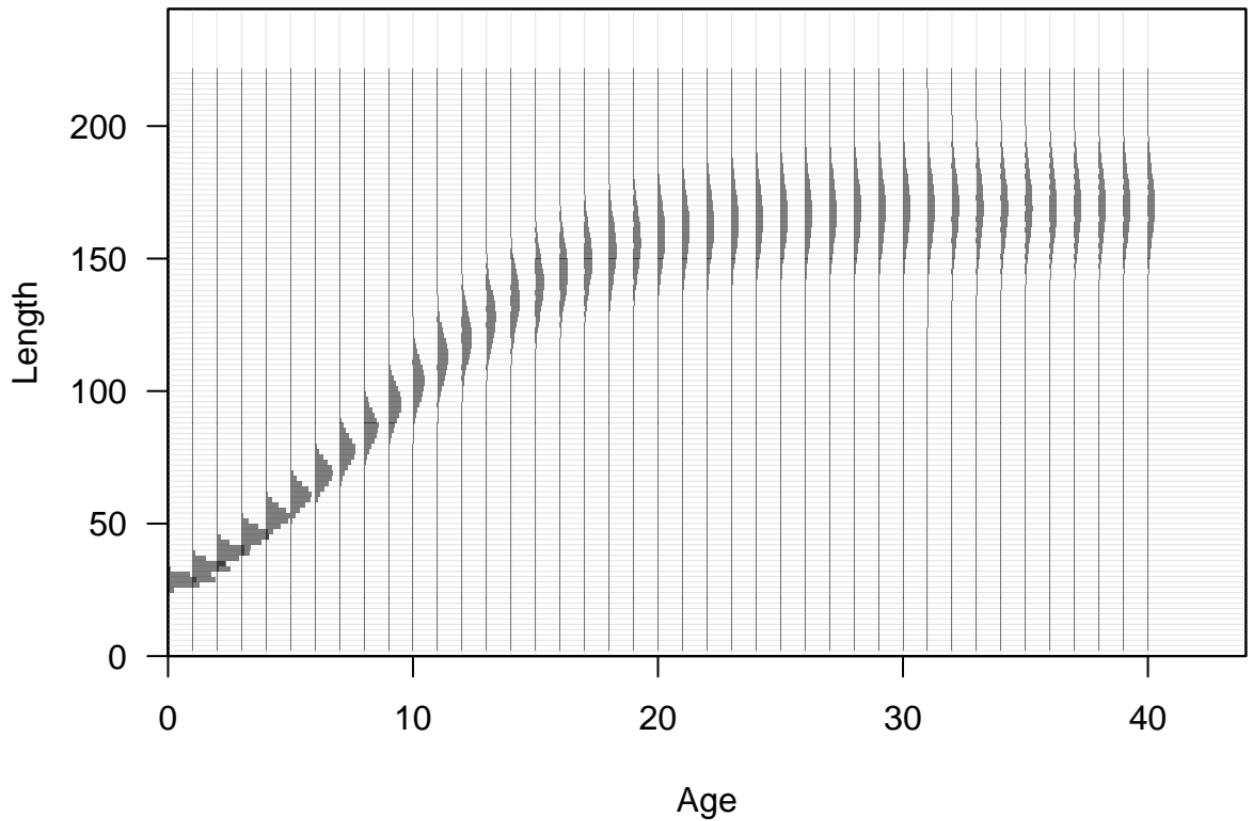


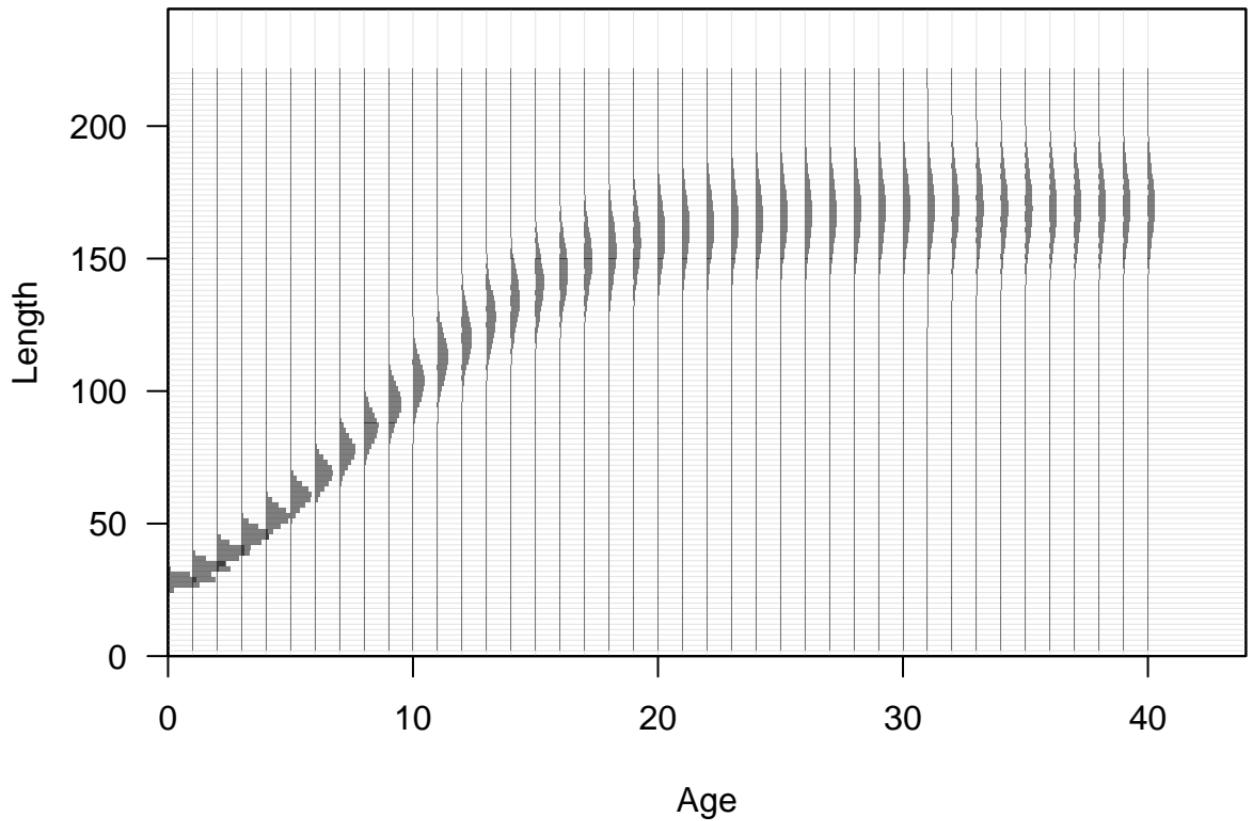


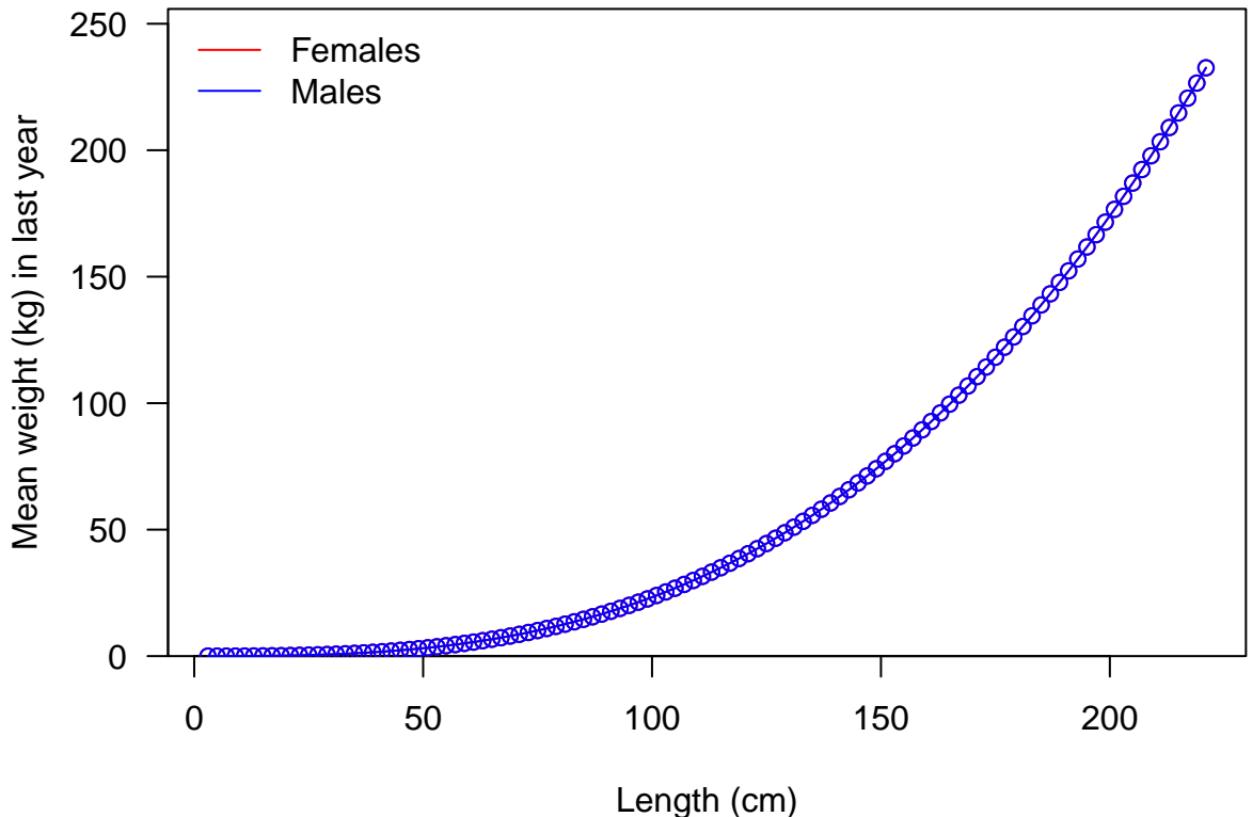


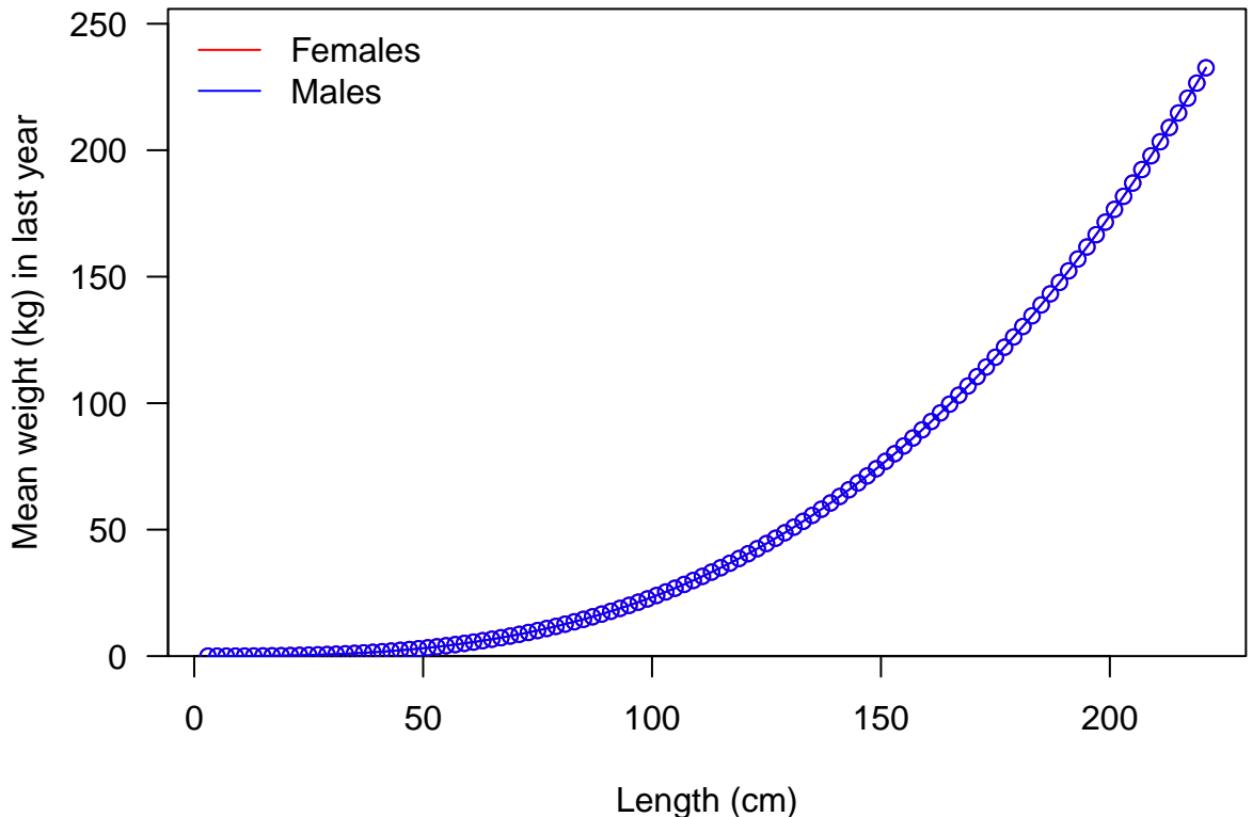


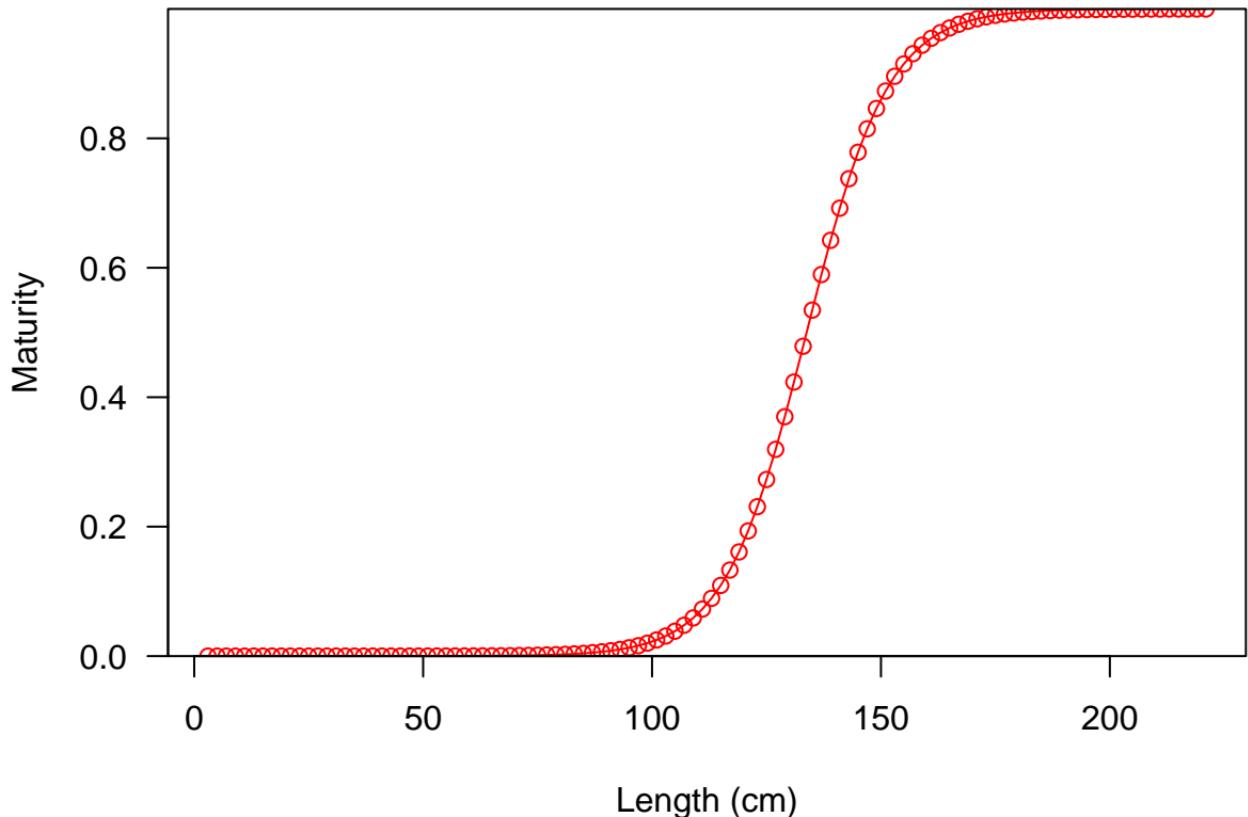


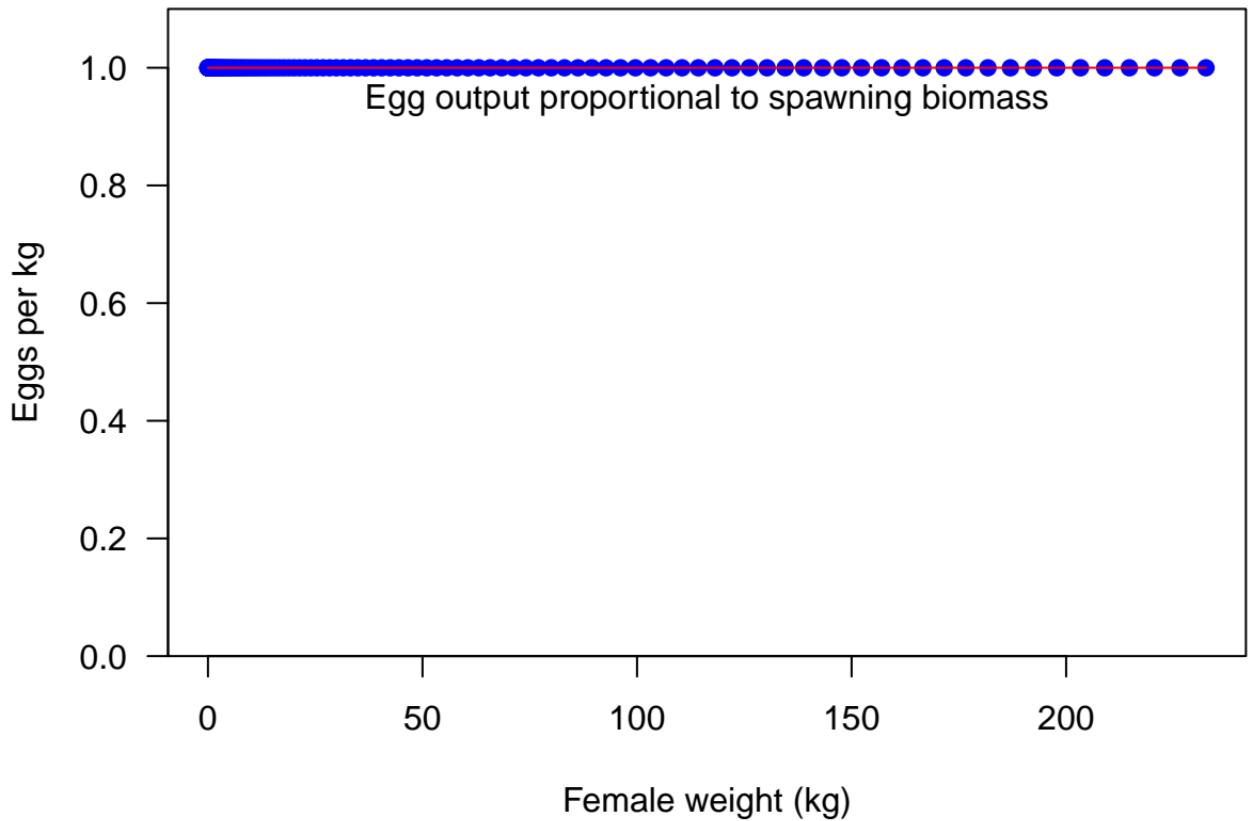


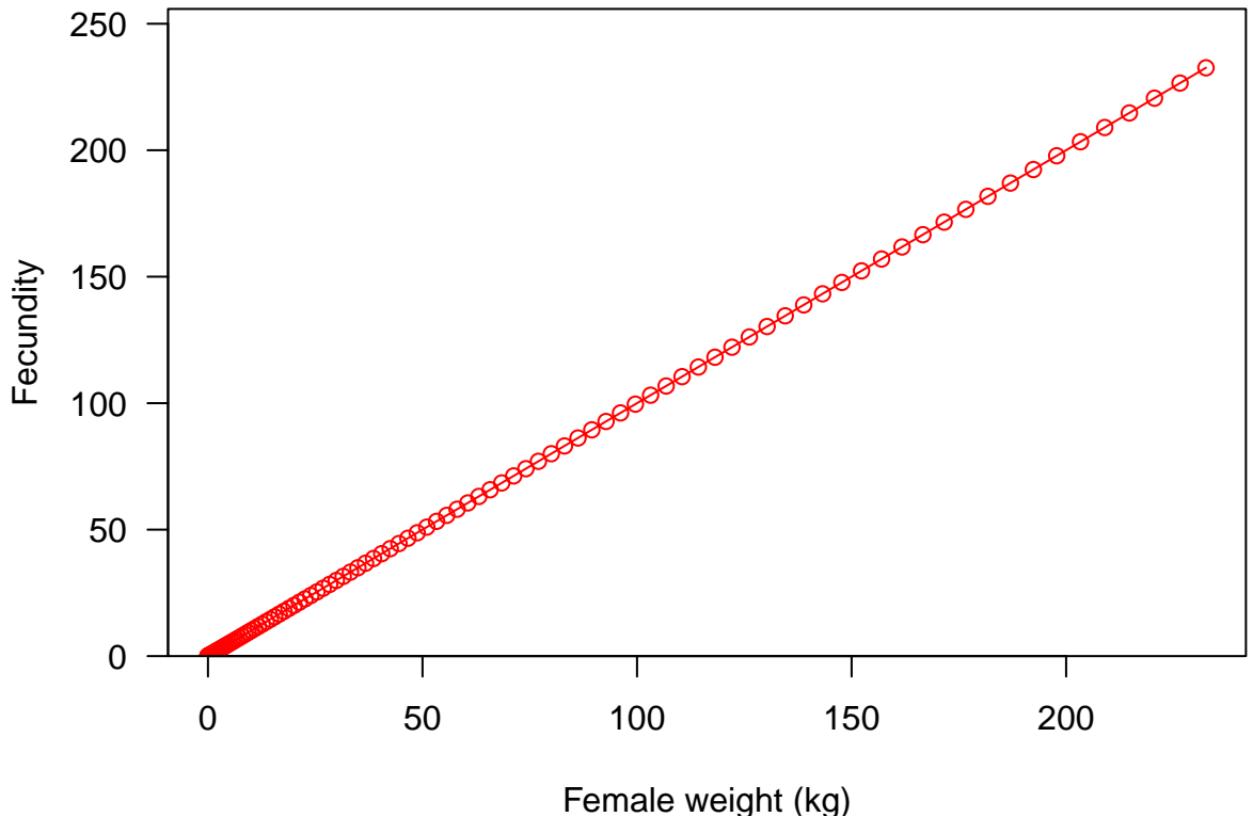


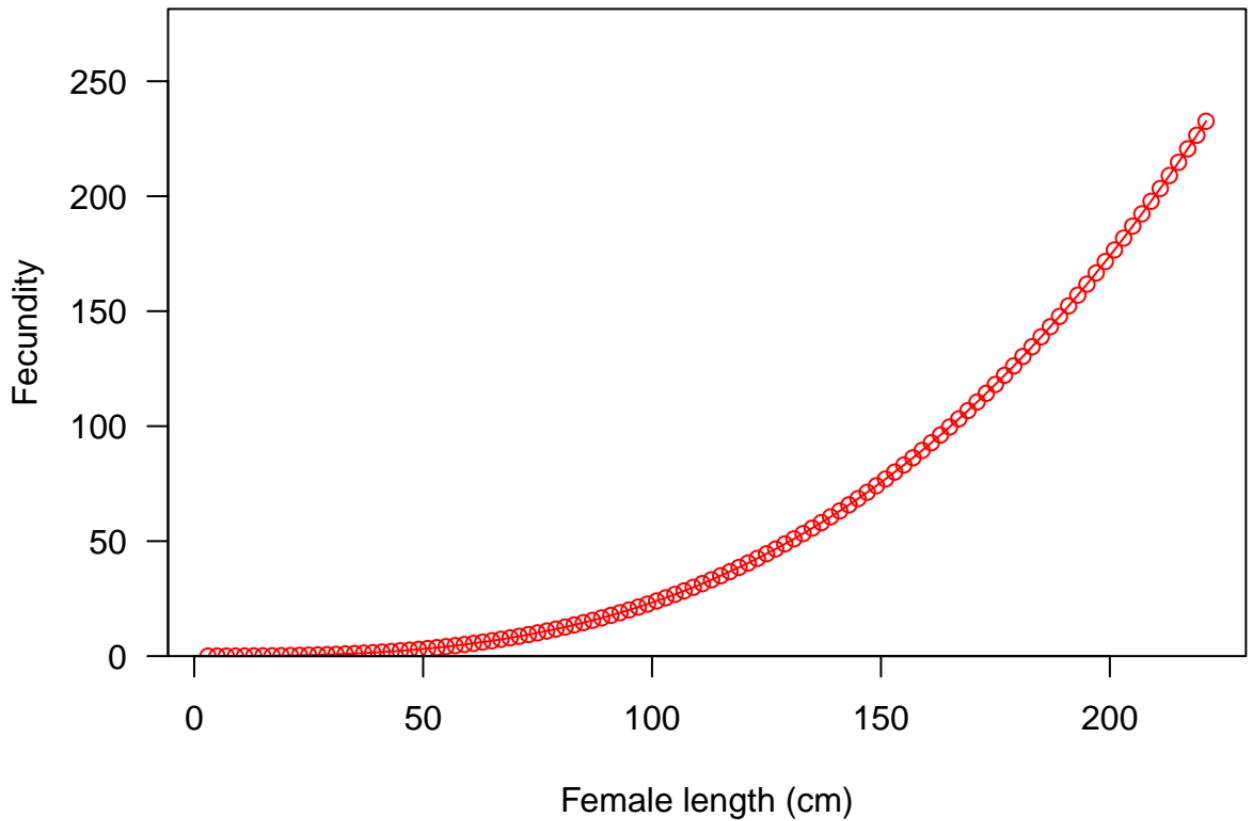


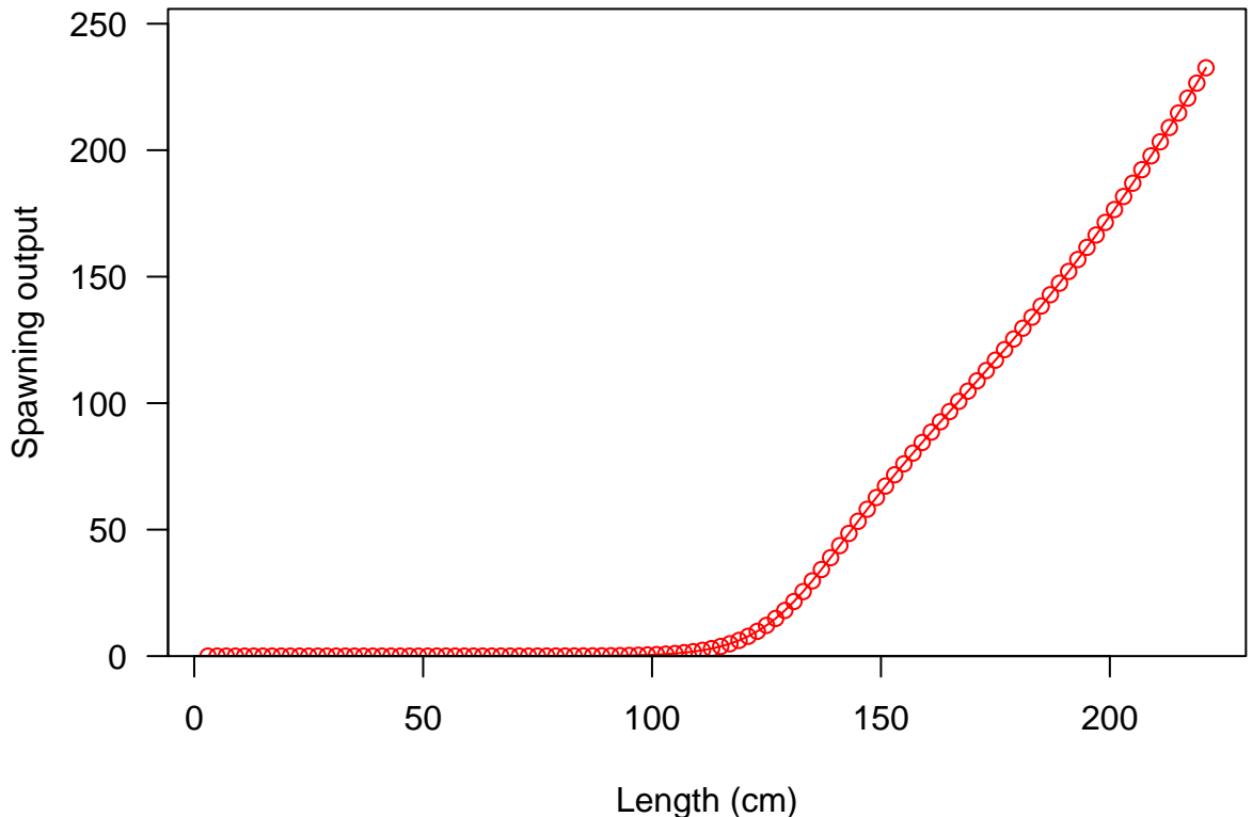


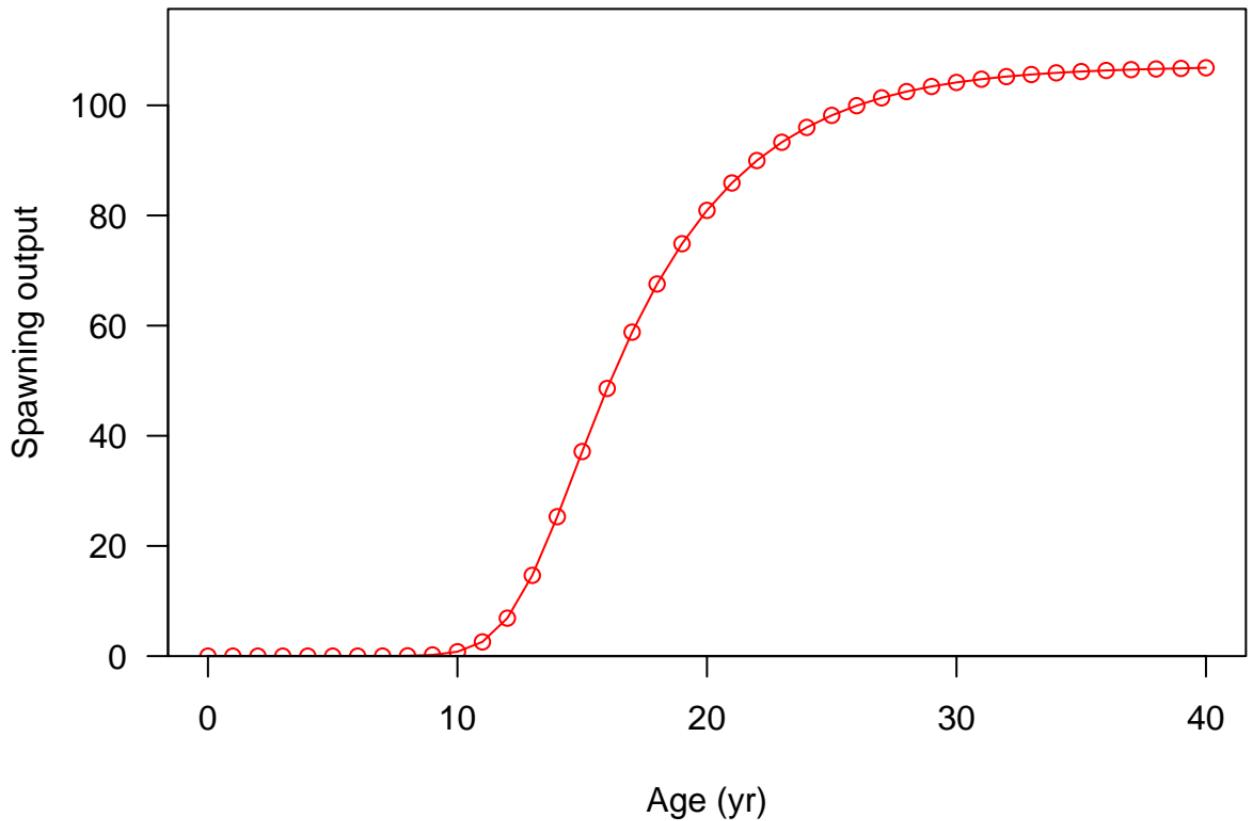




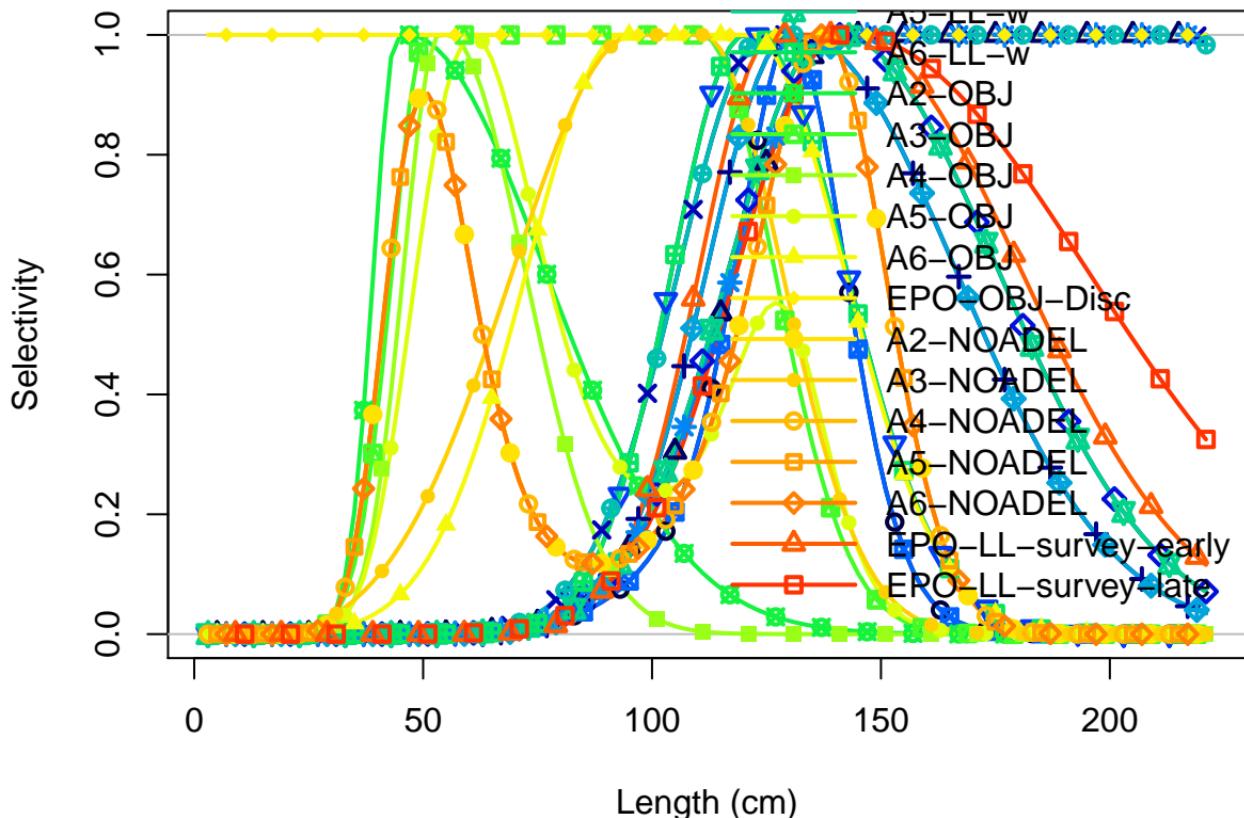




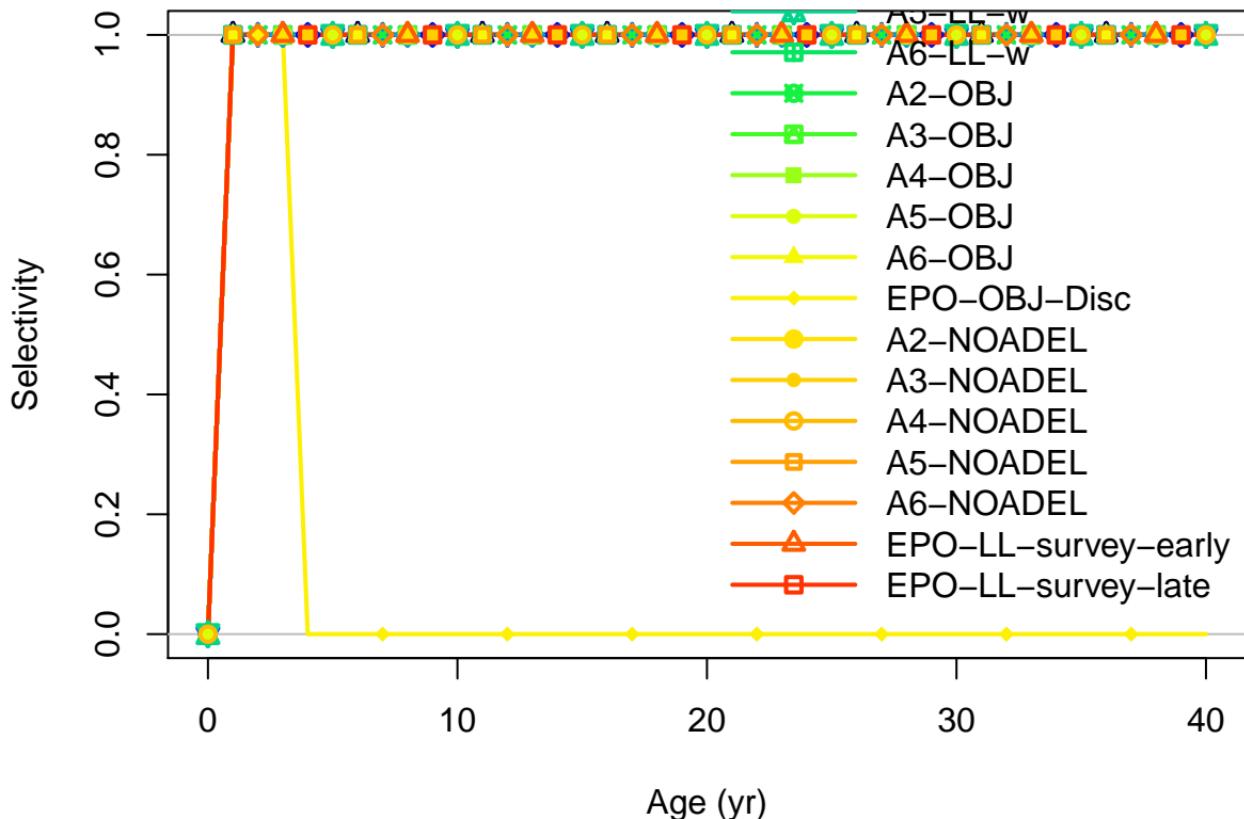




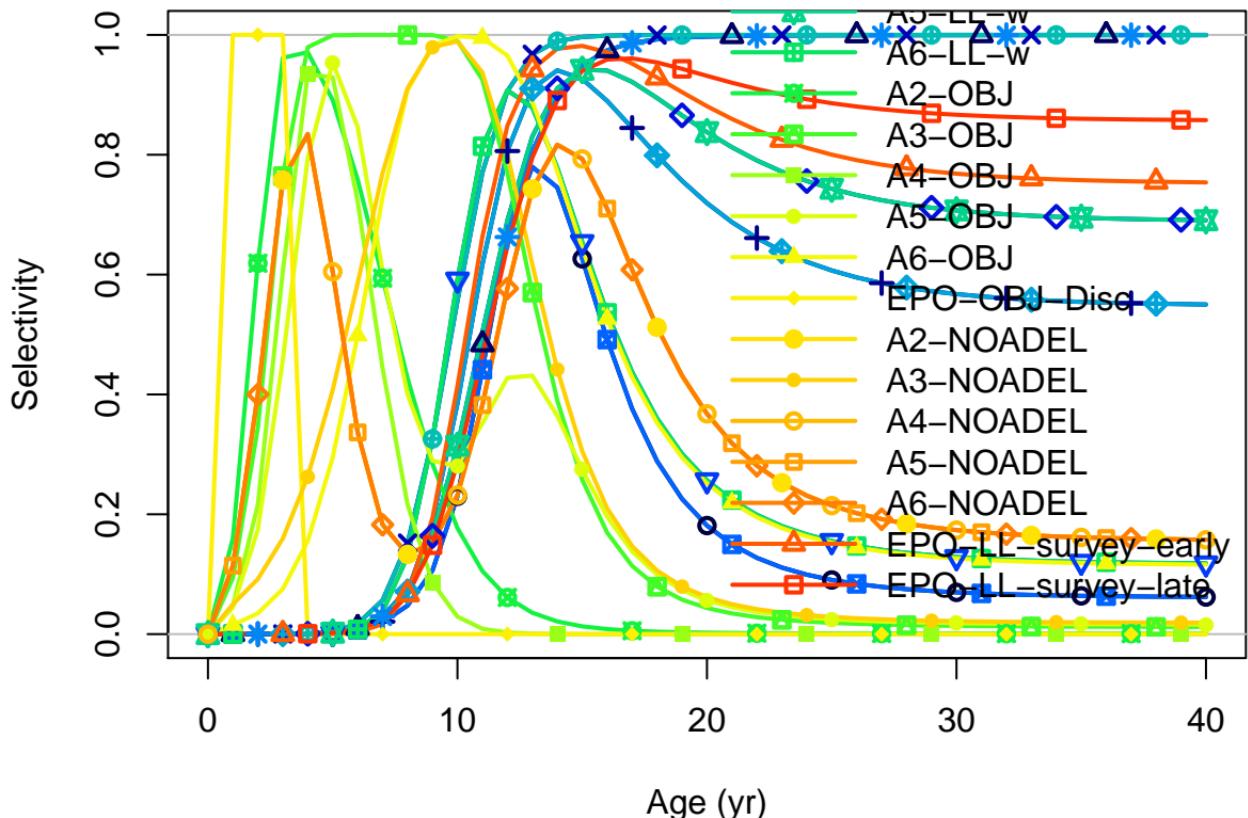
Length-based selectivity by fleet in 180



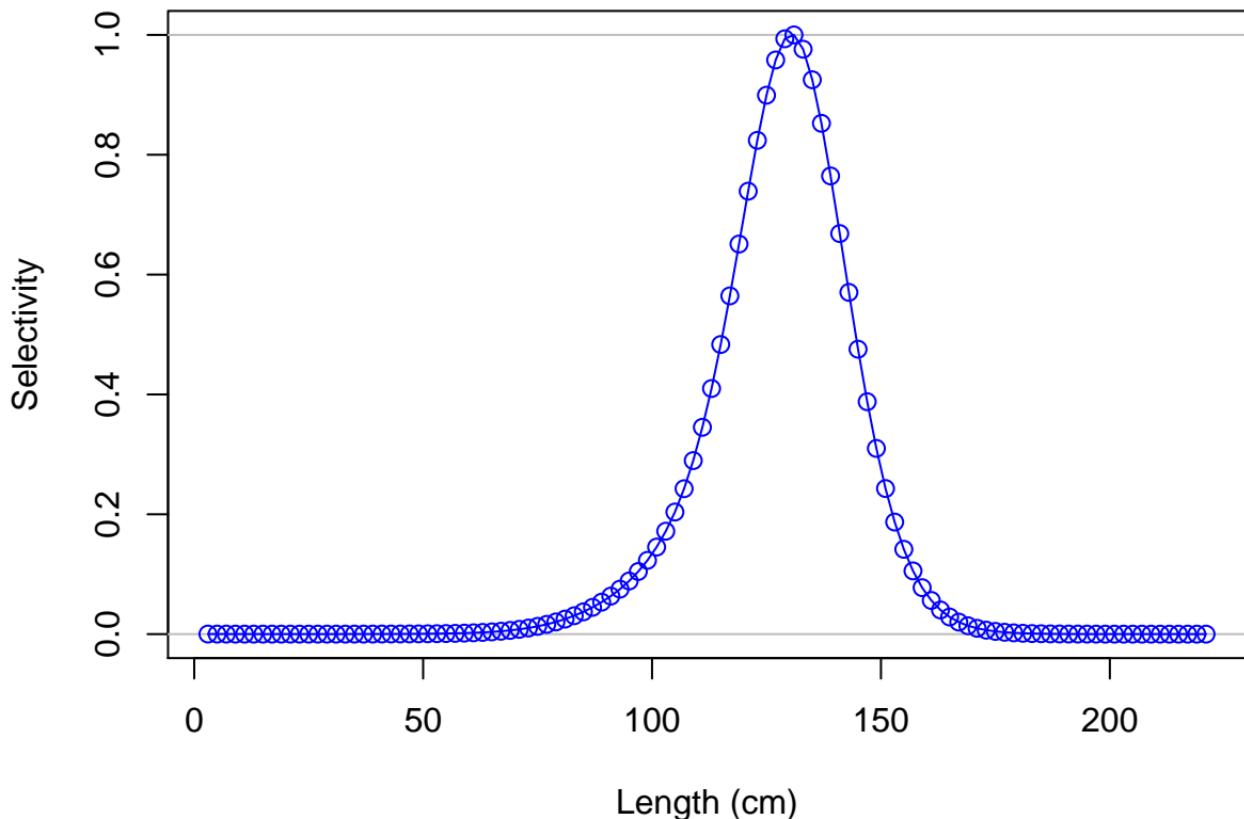
Age-based selectivity by fleet in 180



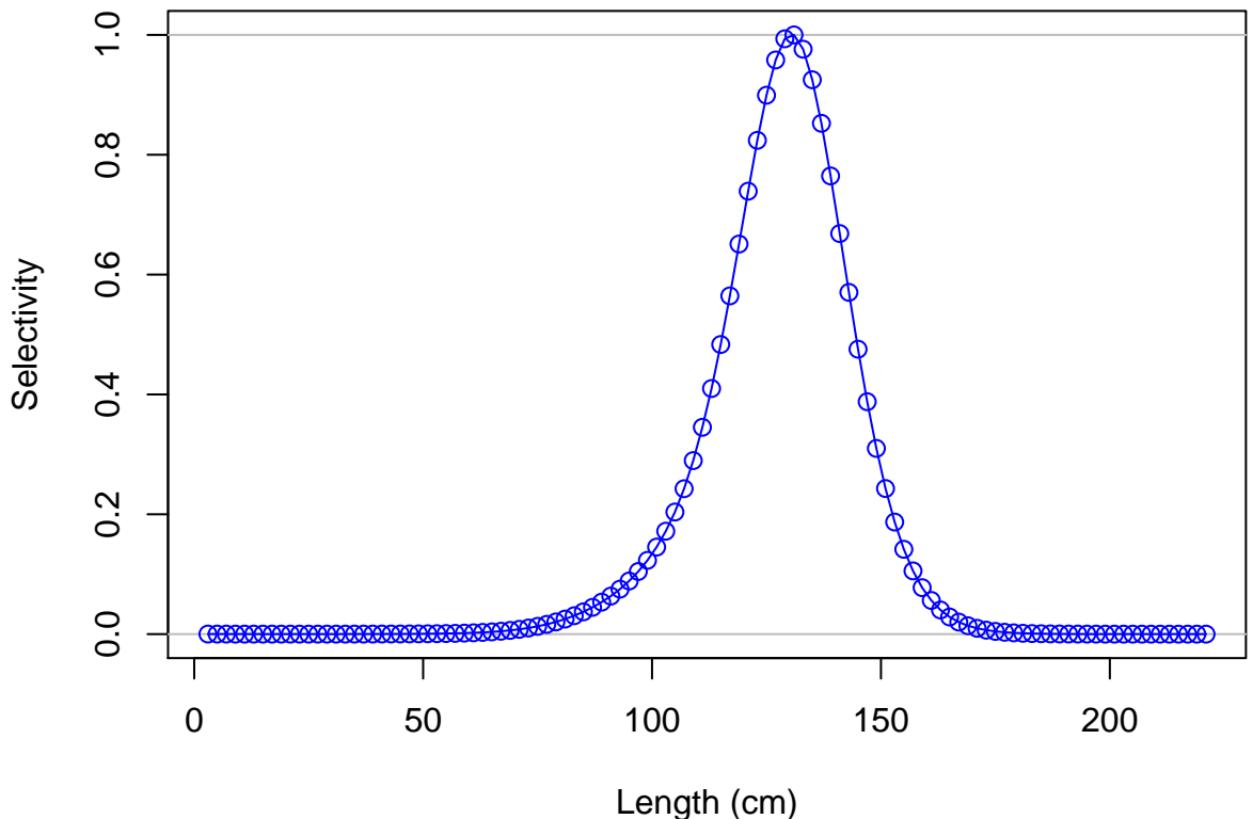
Derived age-based from length-based selectivity by fleet in 180



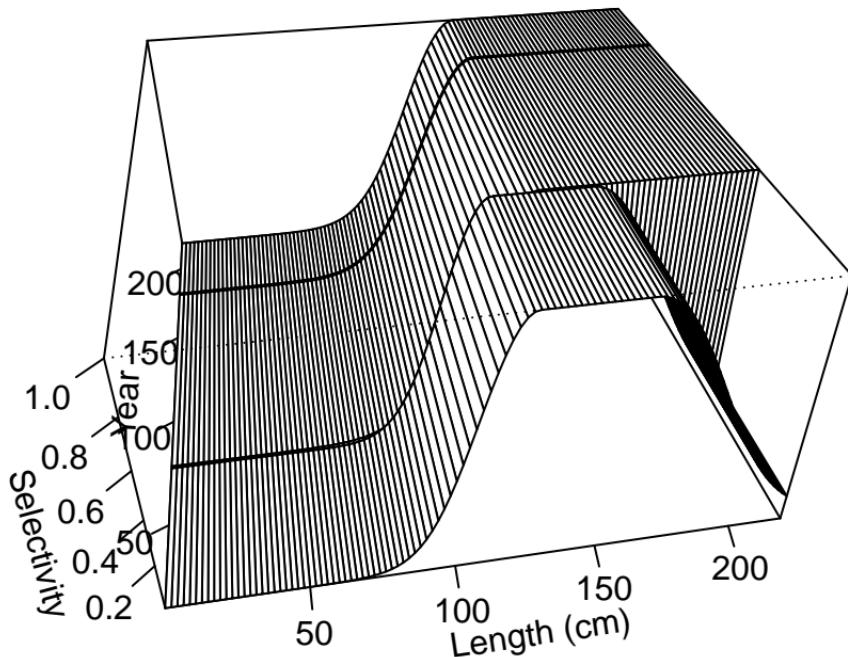
Female ending year selectivity for A1-LL-n



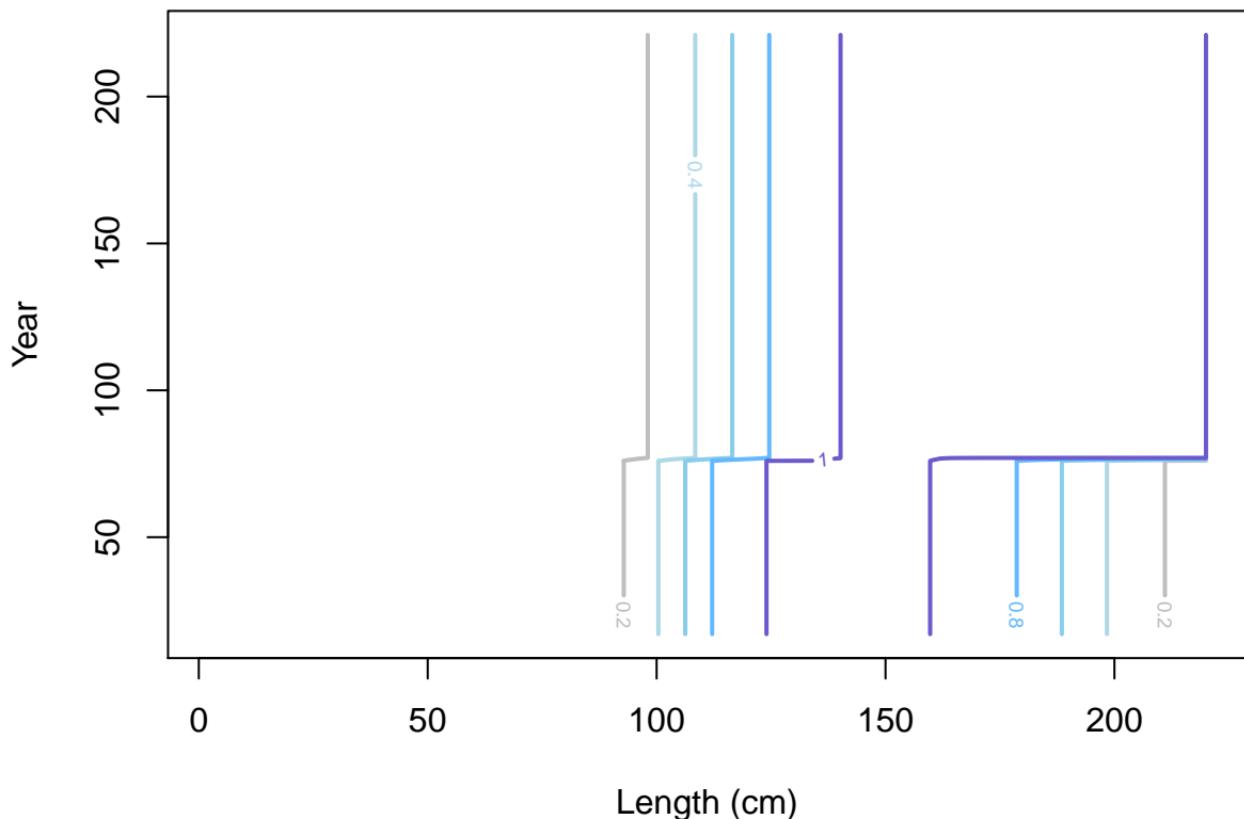
Male ending year selectivity for A1-LL-n



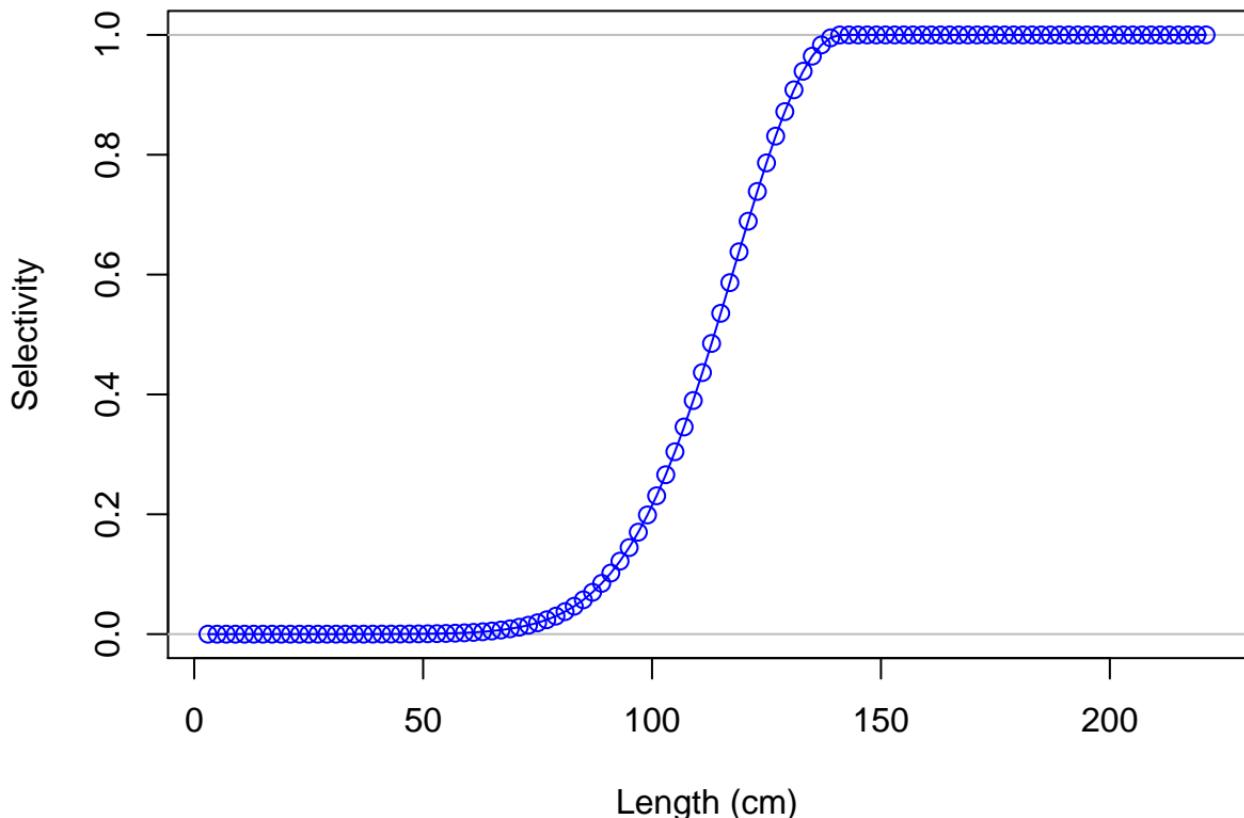
Female time-varying selectivity for A2-LL-n



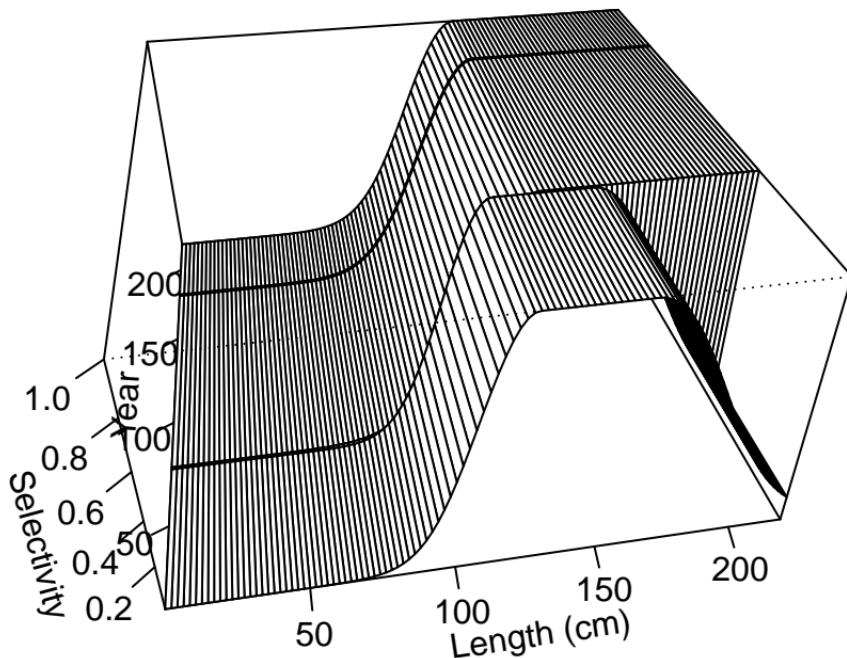
Female time-varying selectivity for A2-LL-n



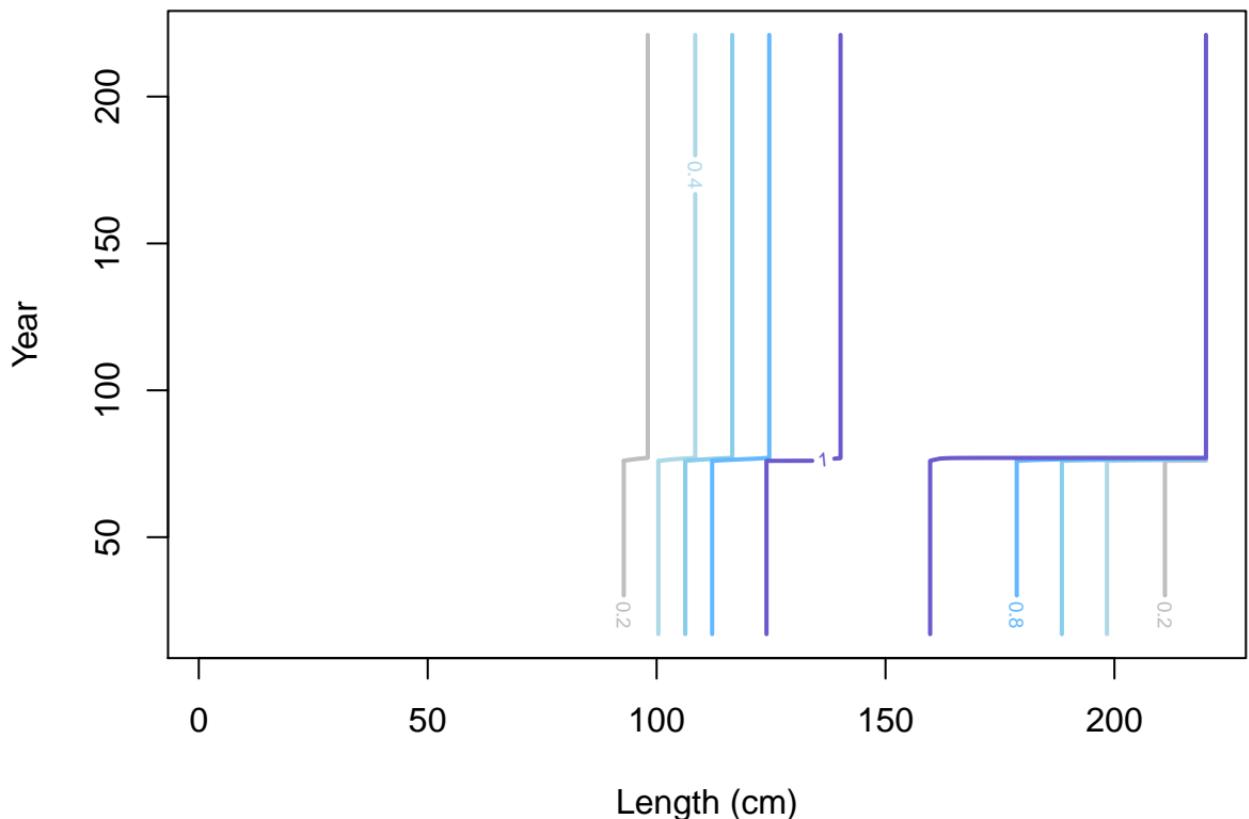
Female ending year selectivity for A2–LL–n



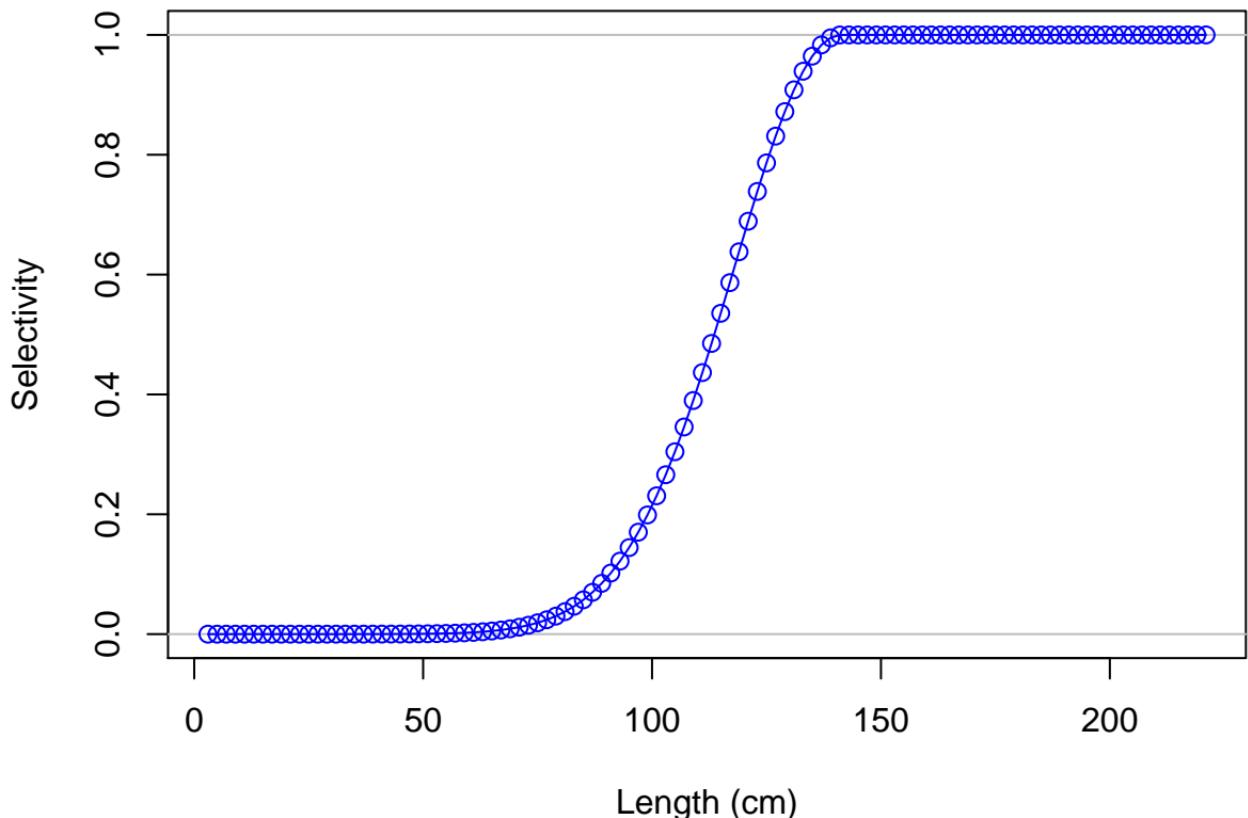
Male time-varying selectivity for A2-LL-n



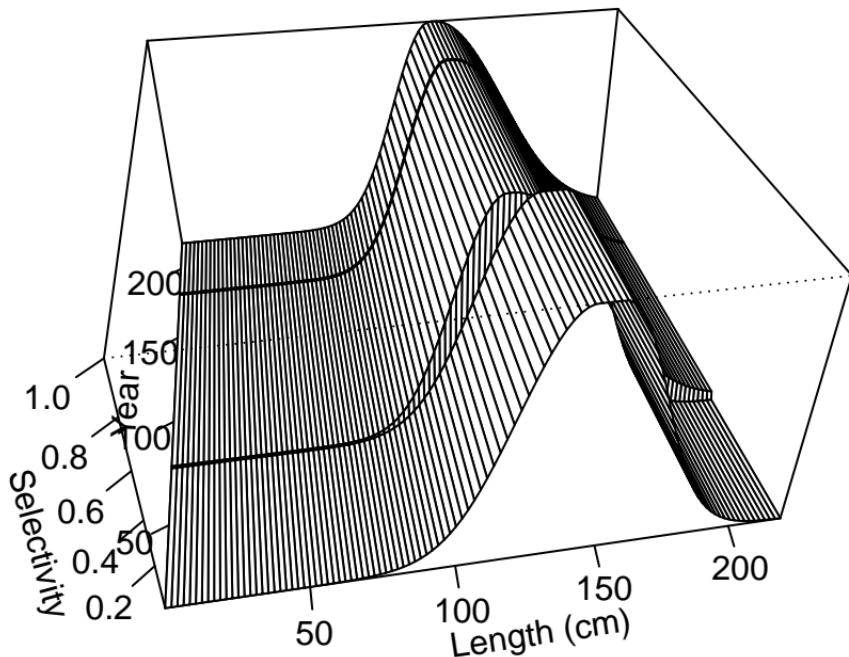
Male time-varying selectivity for A2-LL-n



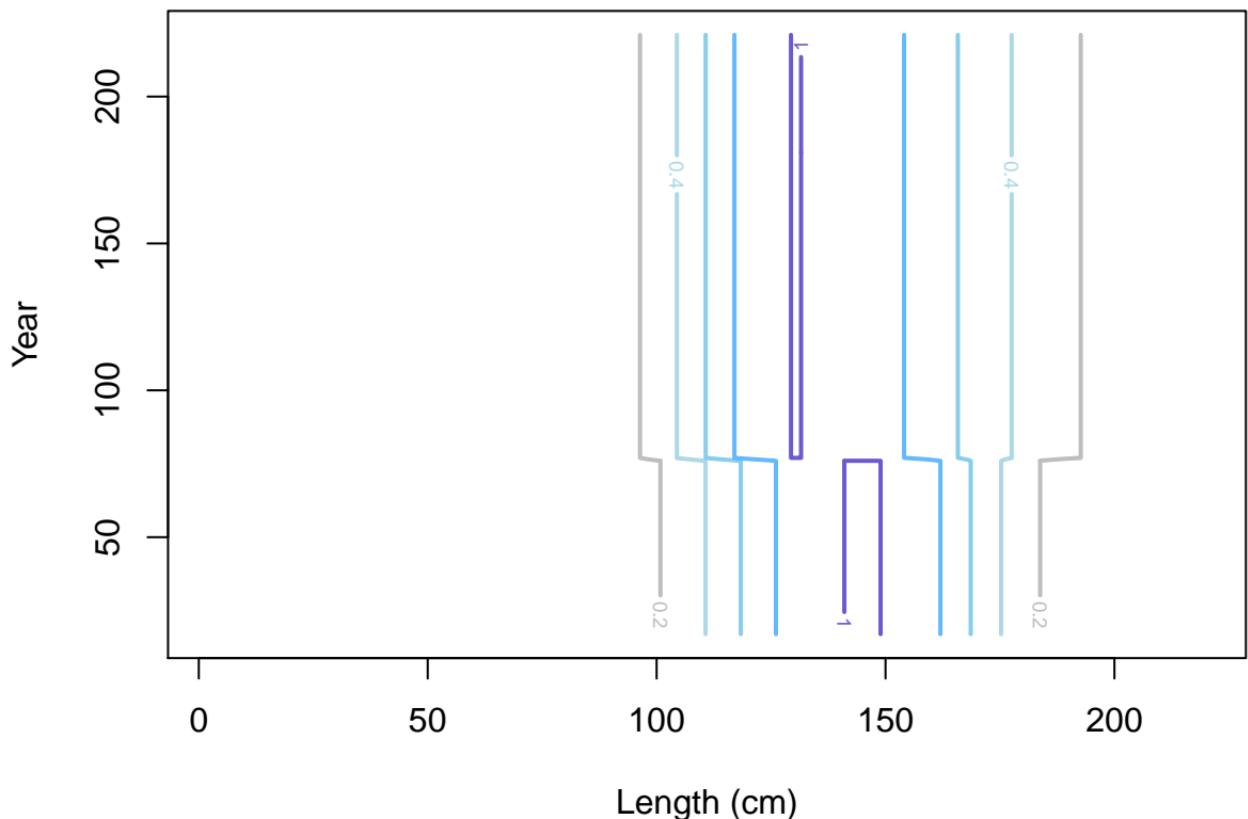
Male ending year selectivity for A2-LL-n



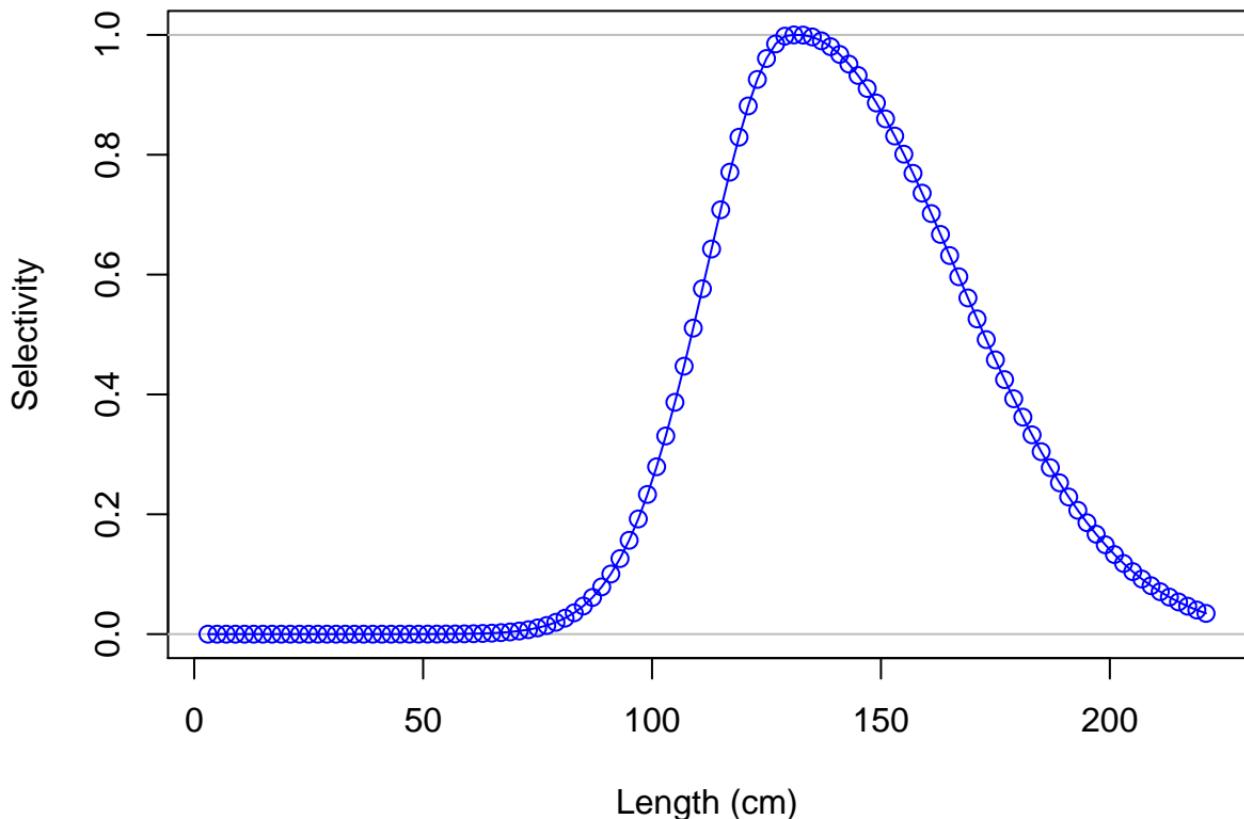
Female time-varying selectivity for A3-LL-n



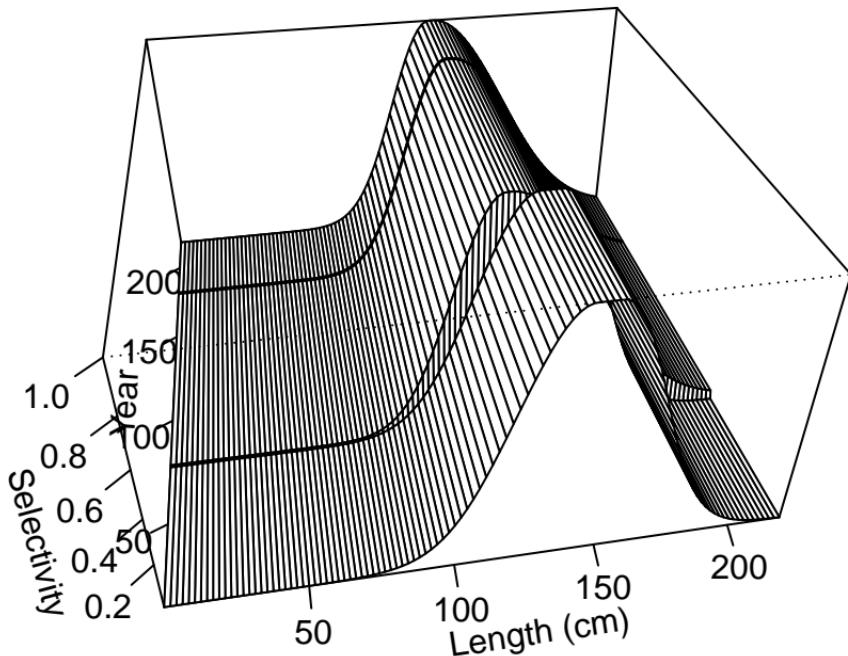
Female time-varying selectivity for A3-LL-n



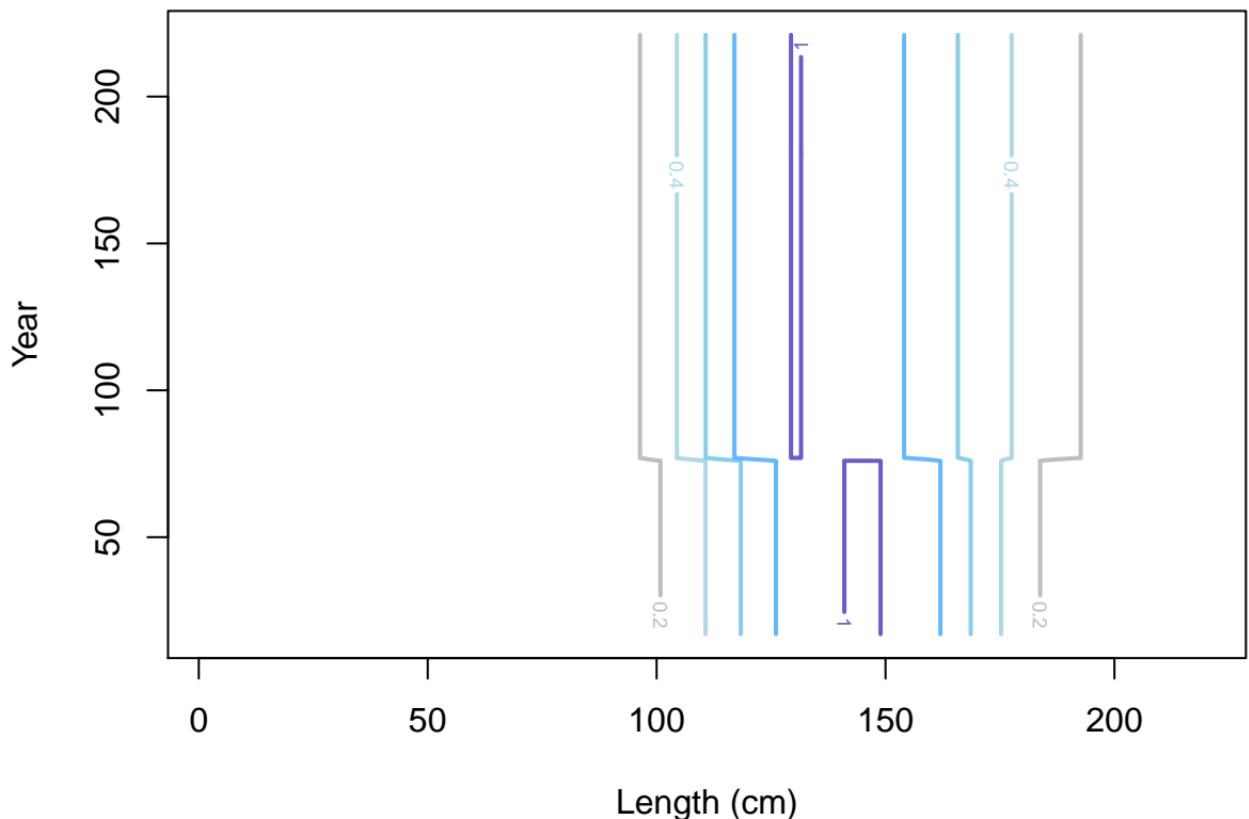
Female ending year selectivity for A3–LL–n



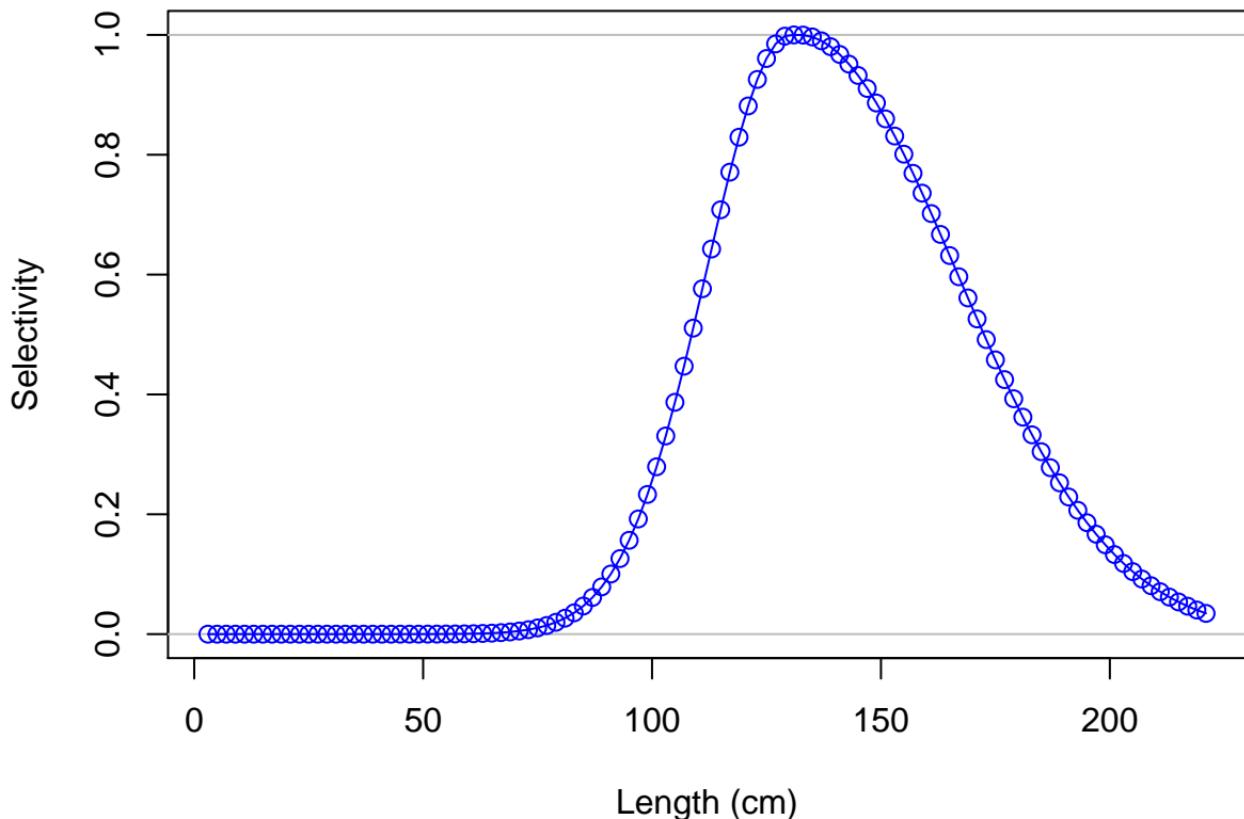
Male time-varying selectivity for A3-LL-n



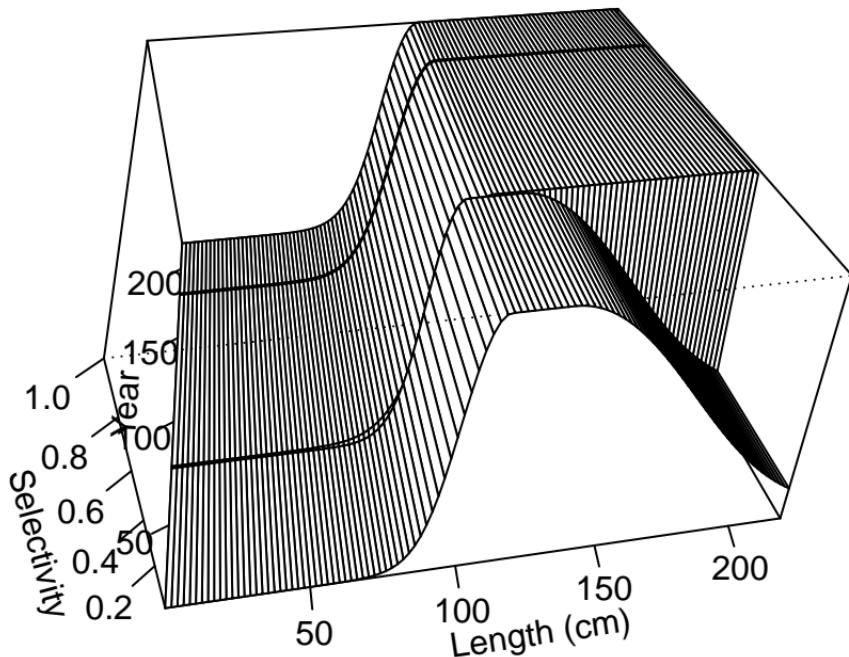
Male time-varying selectivity for A3-LL-n



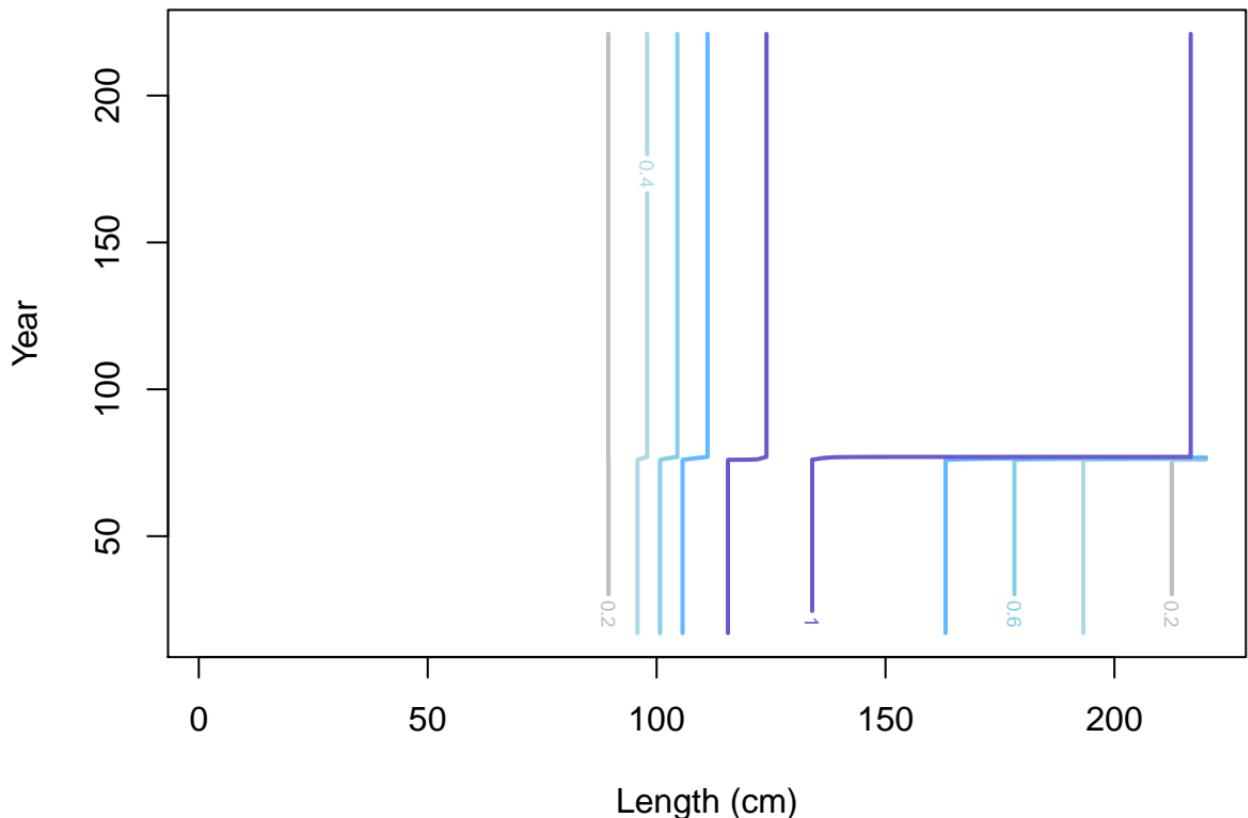
Male ending year selectivity for A3-LL-n



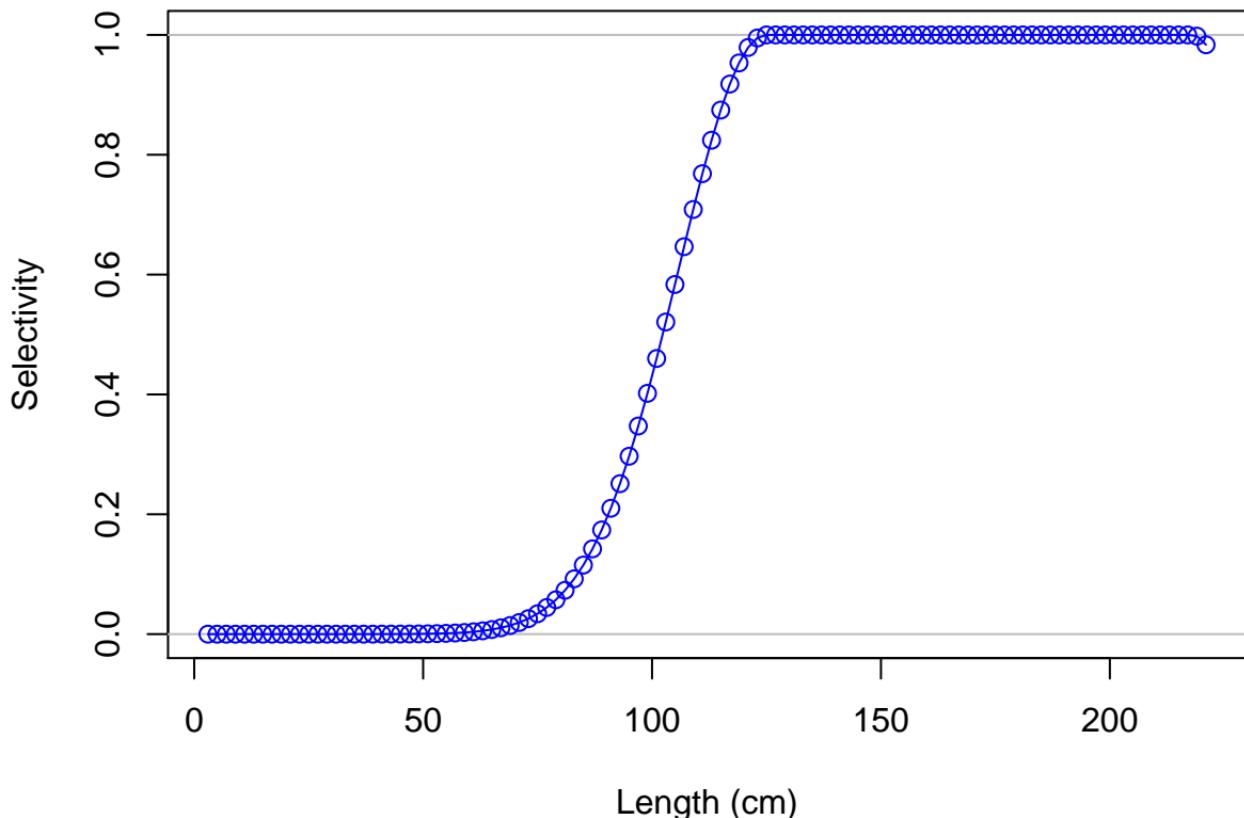
Female time-varying selectivity for A4-LL-n



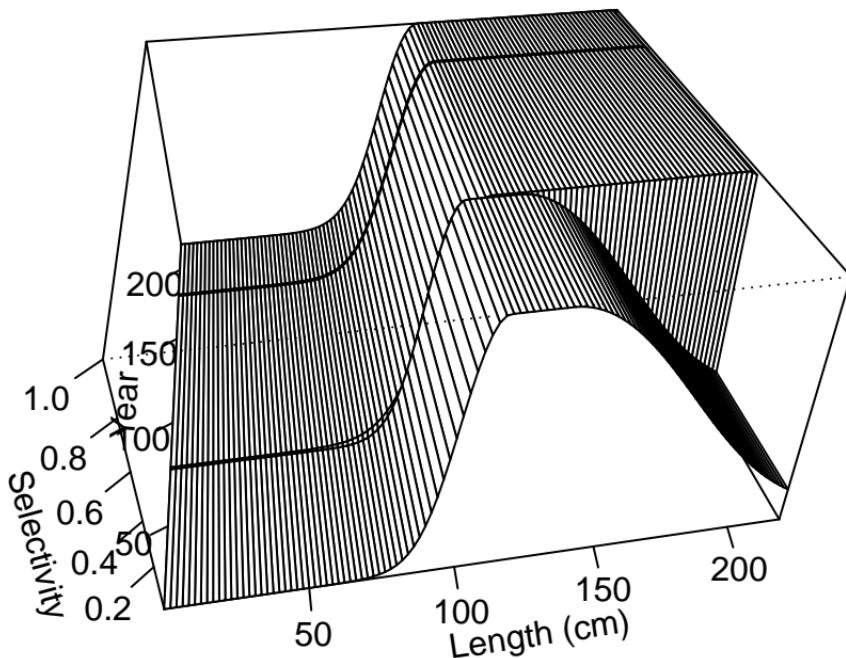
Female time-varying selectivity for A4-LL-n



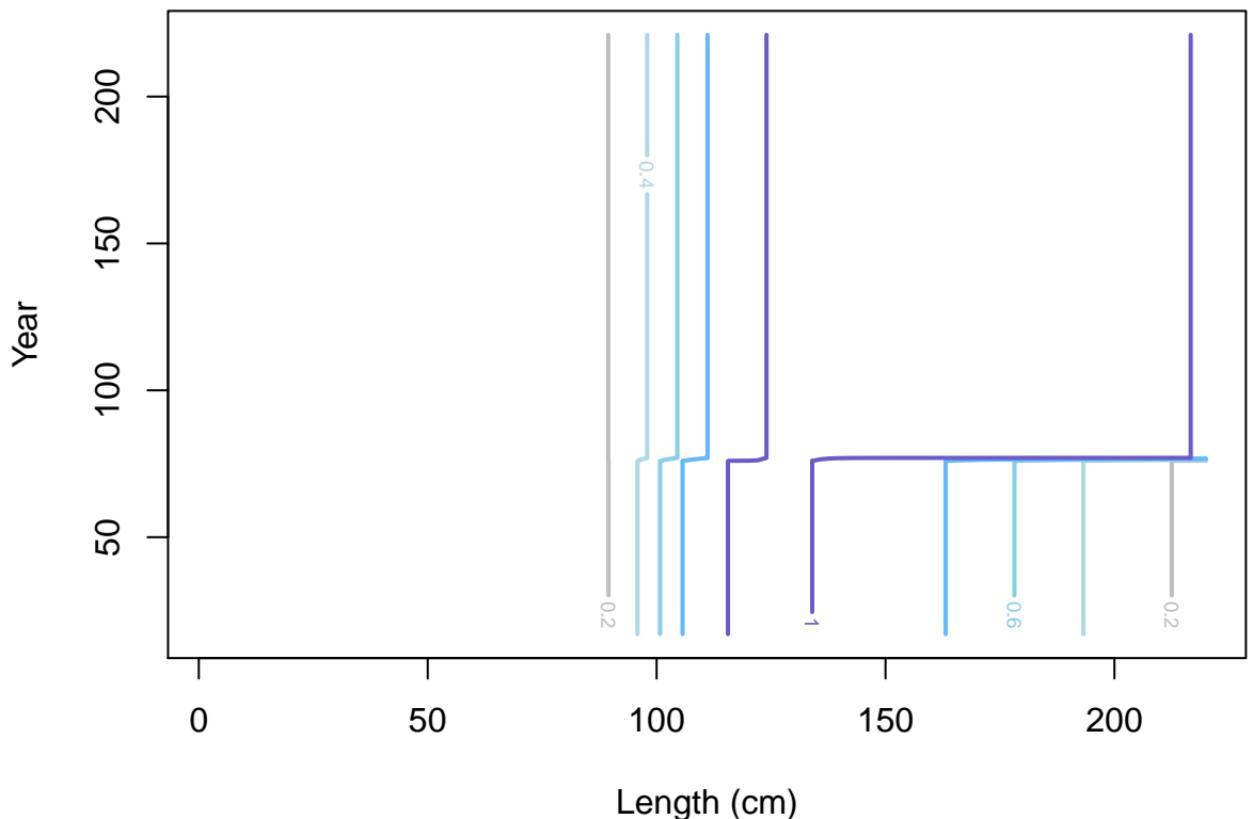
Female ending year selectivity for A4-LL-n



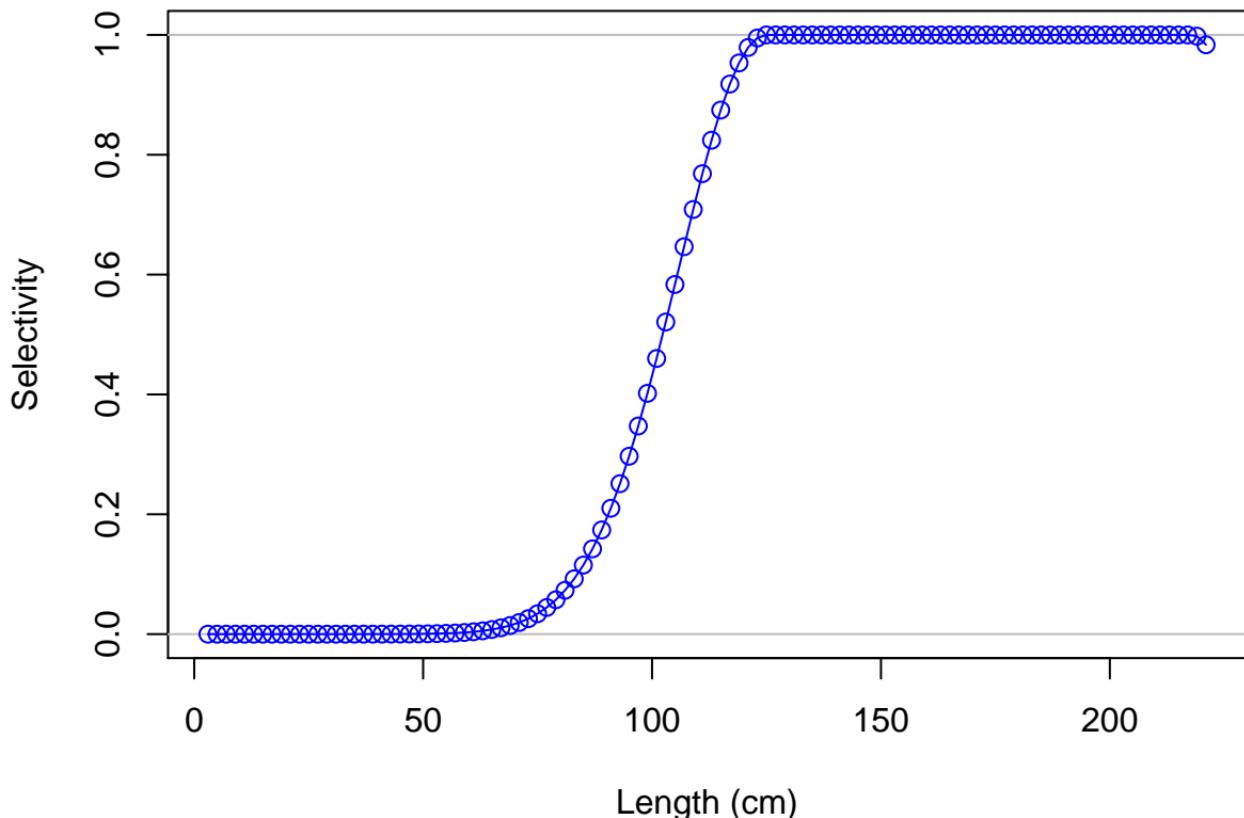
Male time-varying selectivity for A4-LL-n



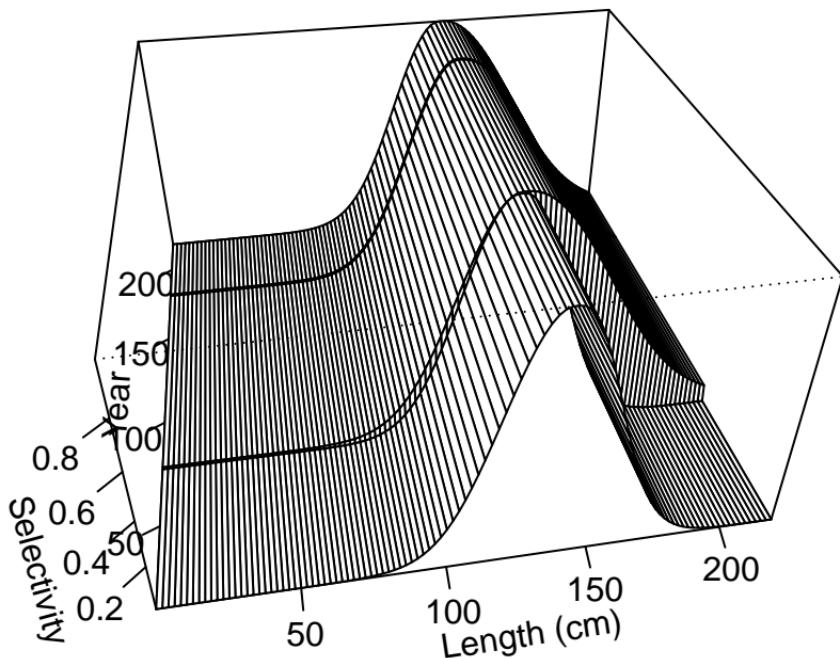
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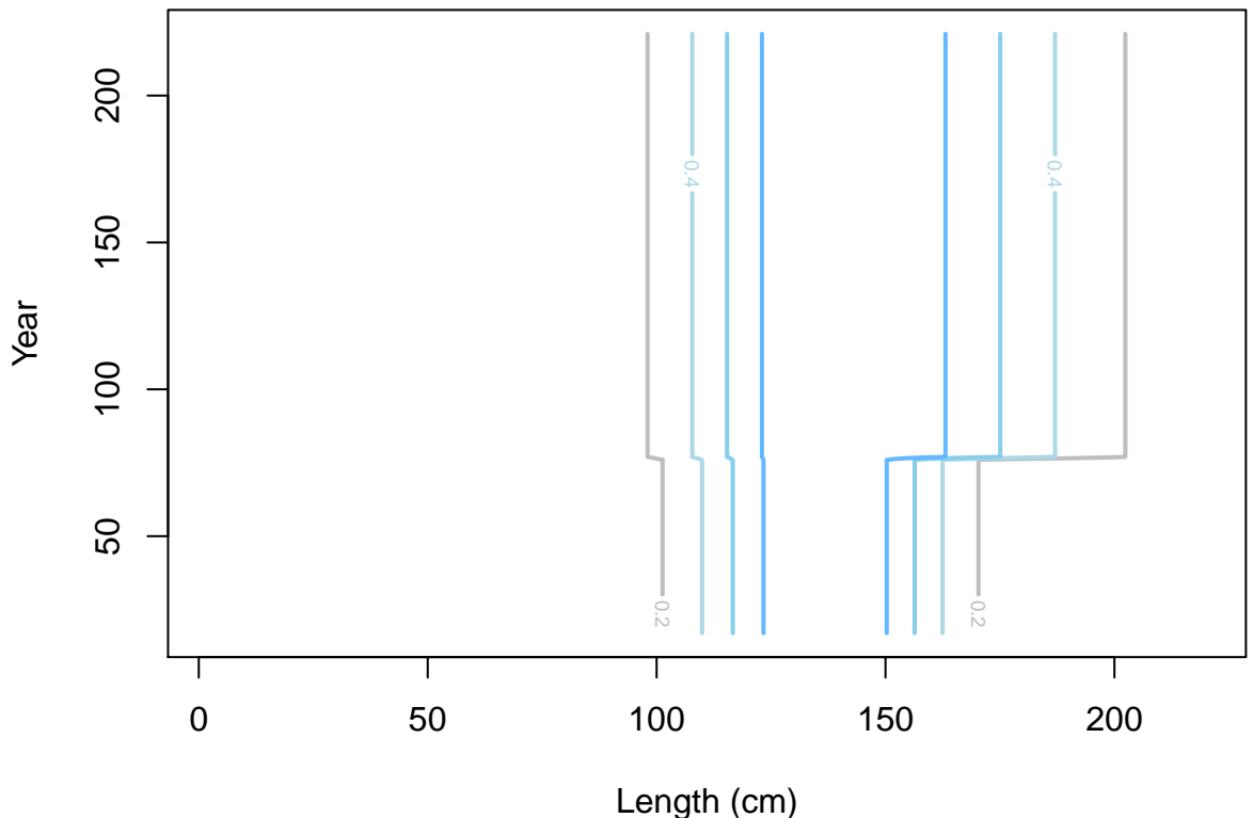
Male ending year selectivity for A4-LL-n



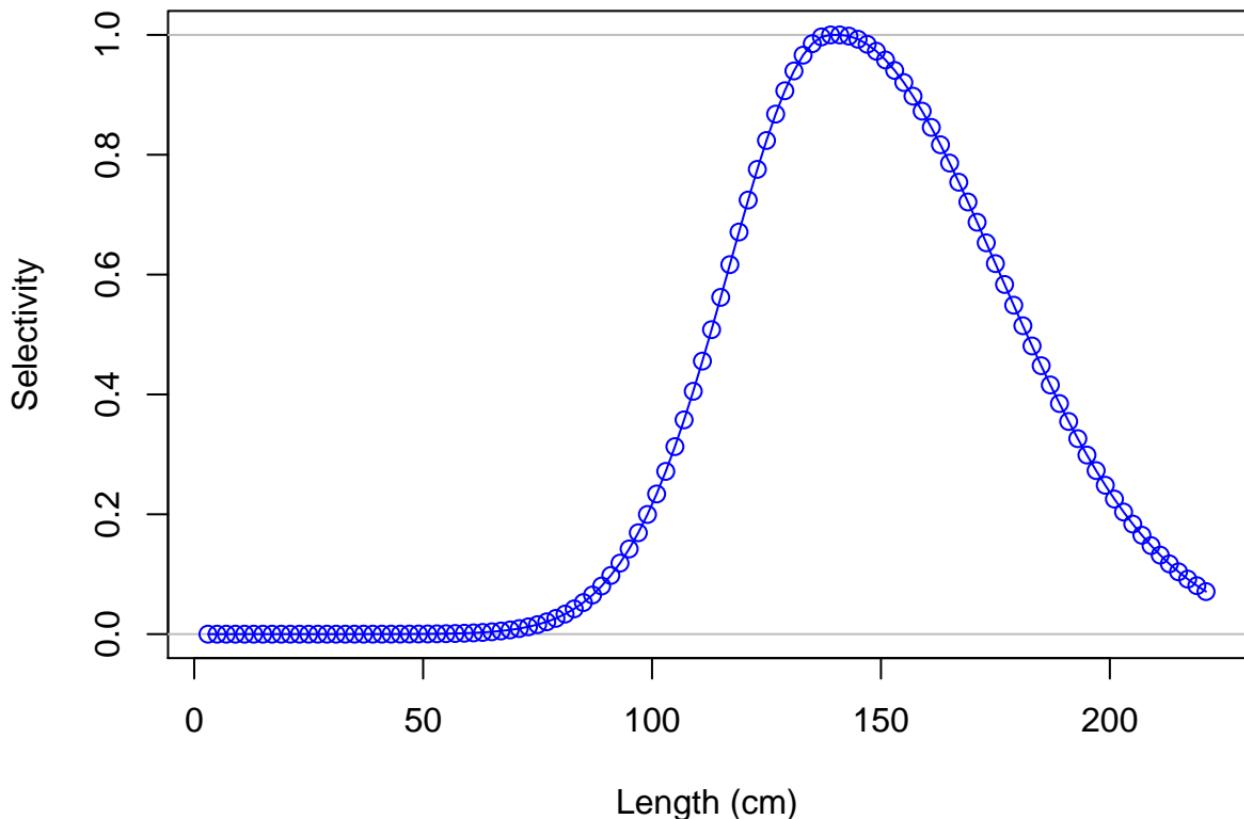
Female time-varying selectivity for A5-LL-n



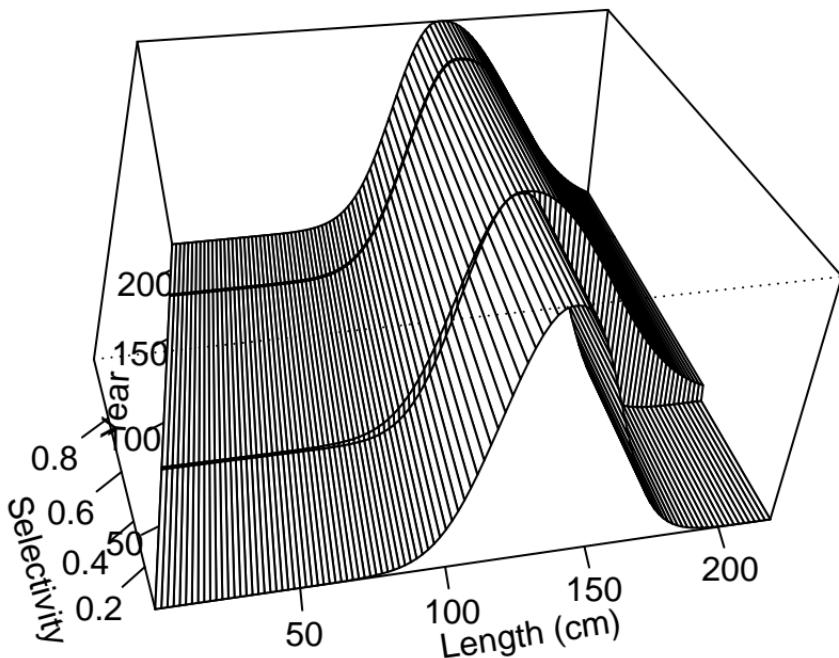
Female time-varying selectivity for A5-LL-n



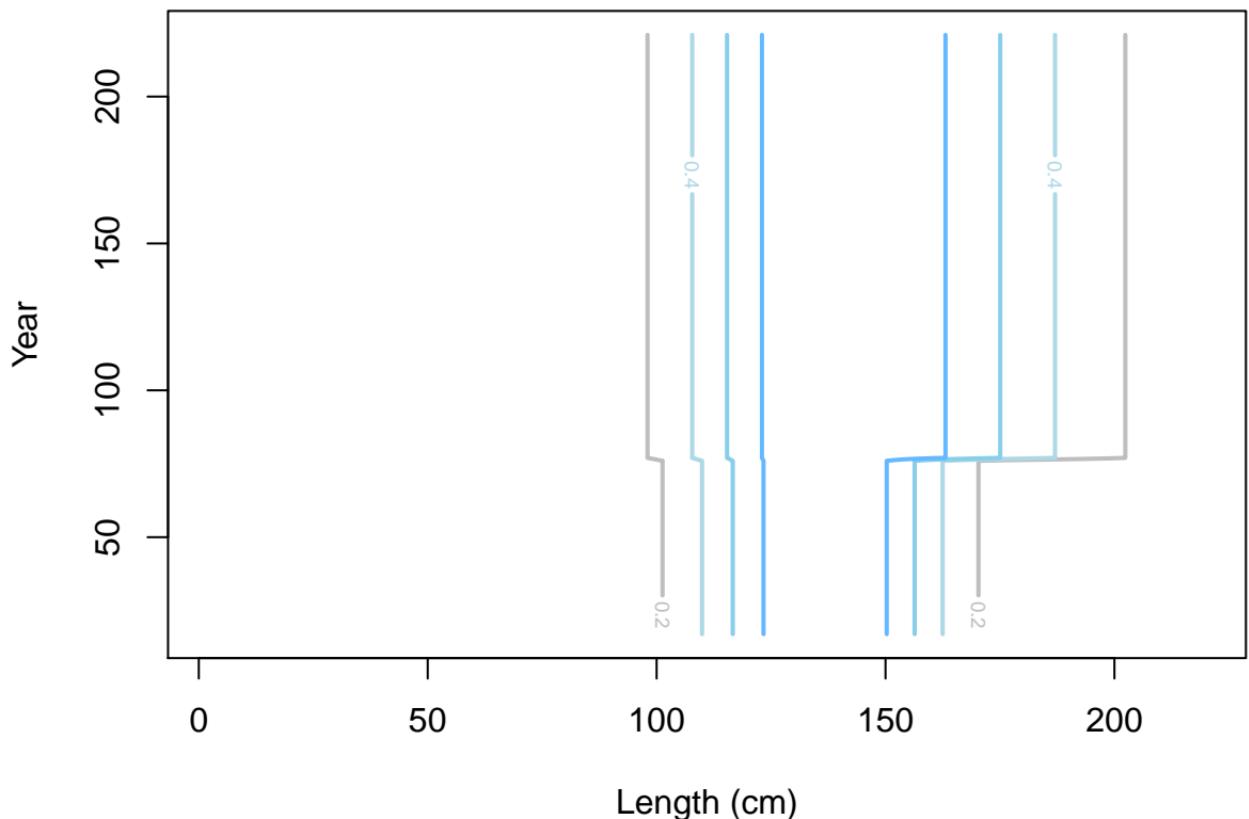
Female ending year selectivity for A5-LL-n



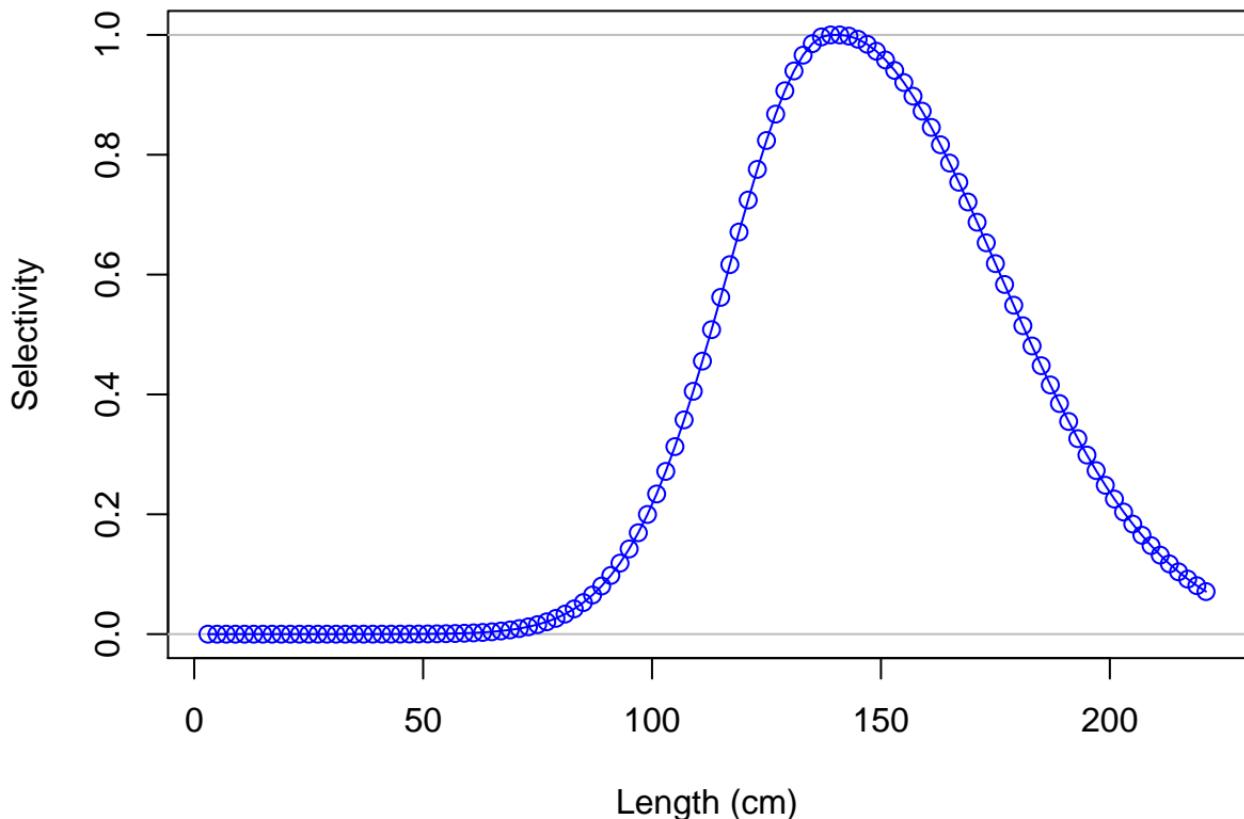
Male time-varying selectivity for A5-LL-n



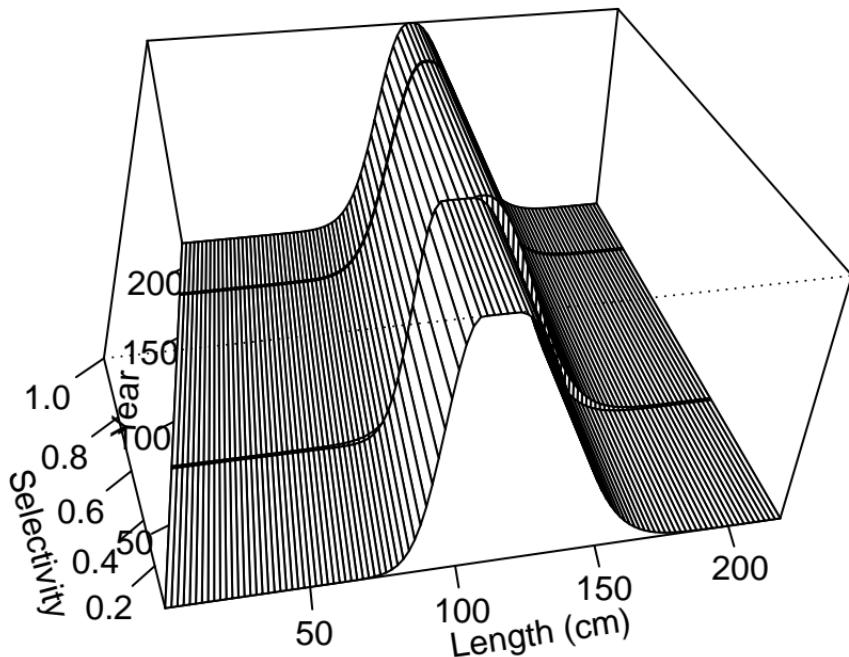
Male time-varying selectivity for A5-LL-n



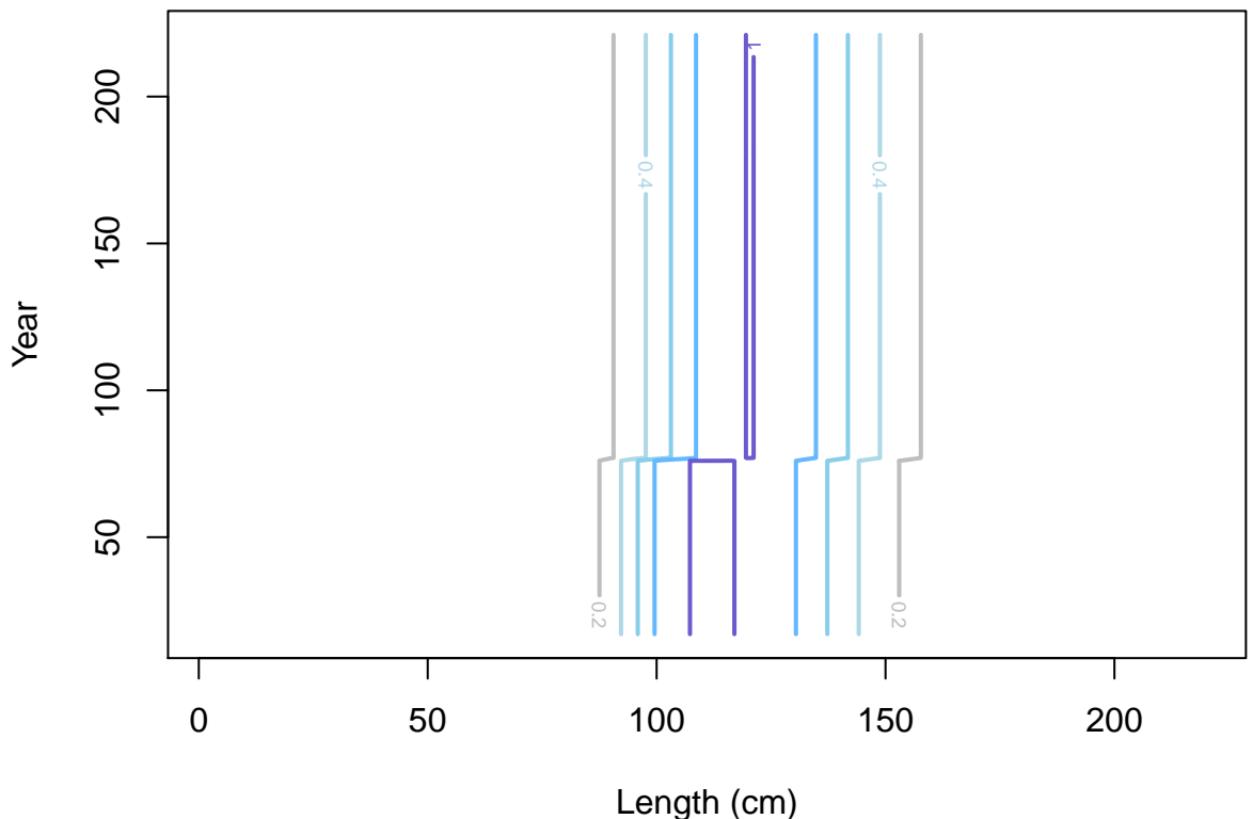
Male ending year selectivity for A5-LL-n



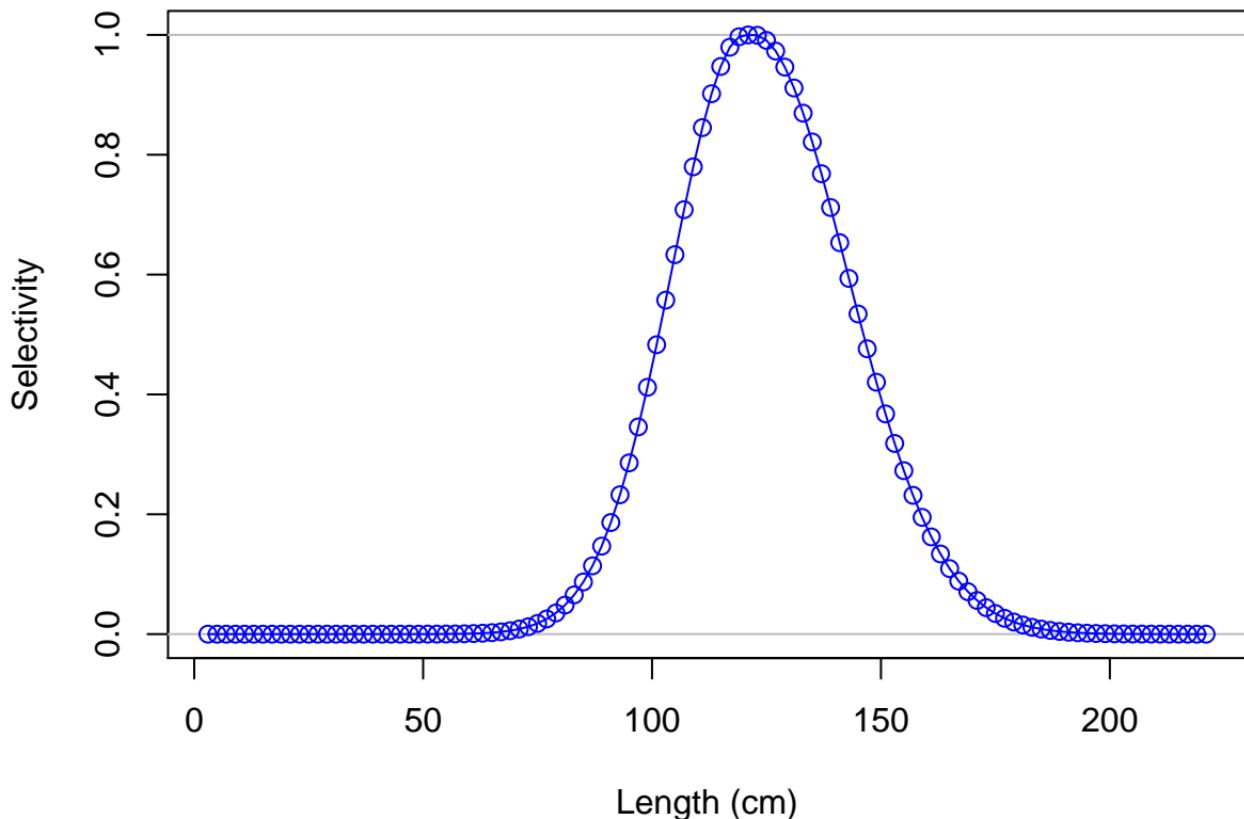
Female time-varying selectivity for A6-LL-n



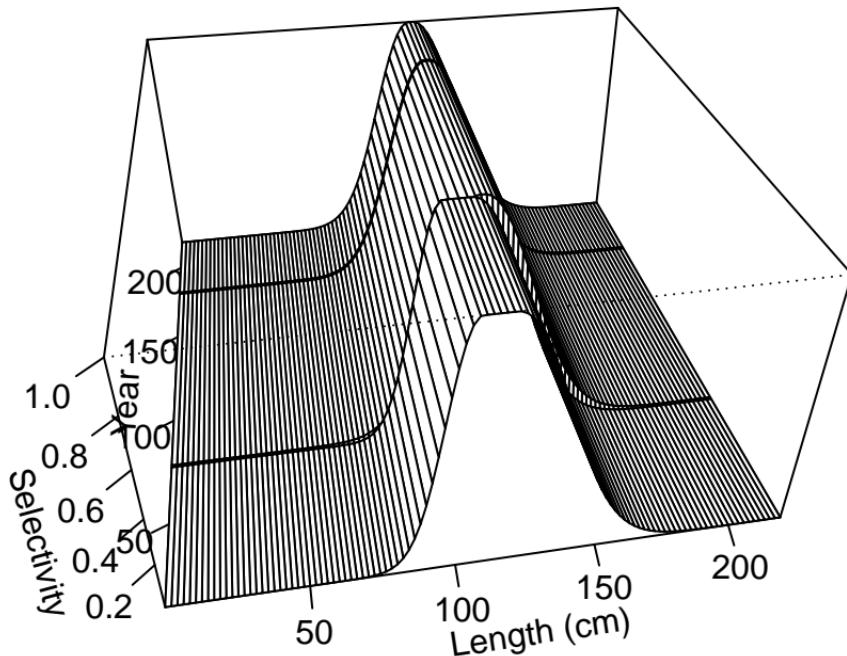
Female time-varying selectivity for A6-LL-n



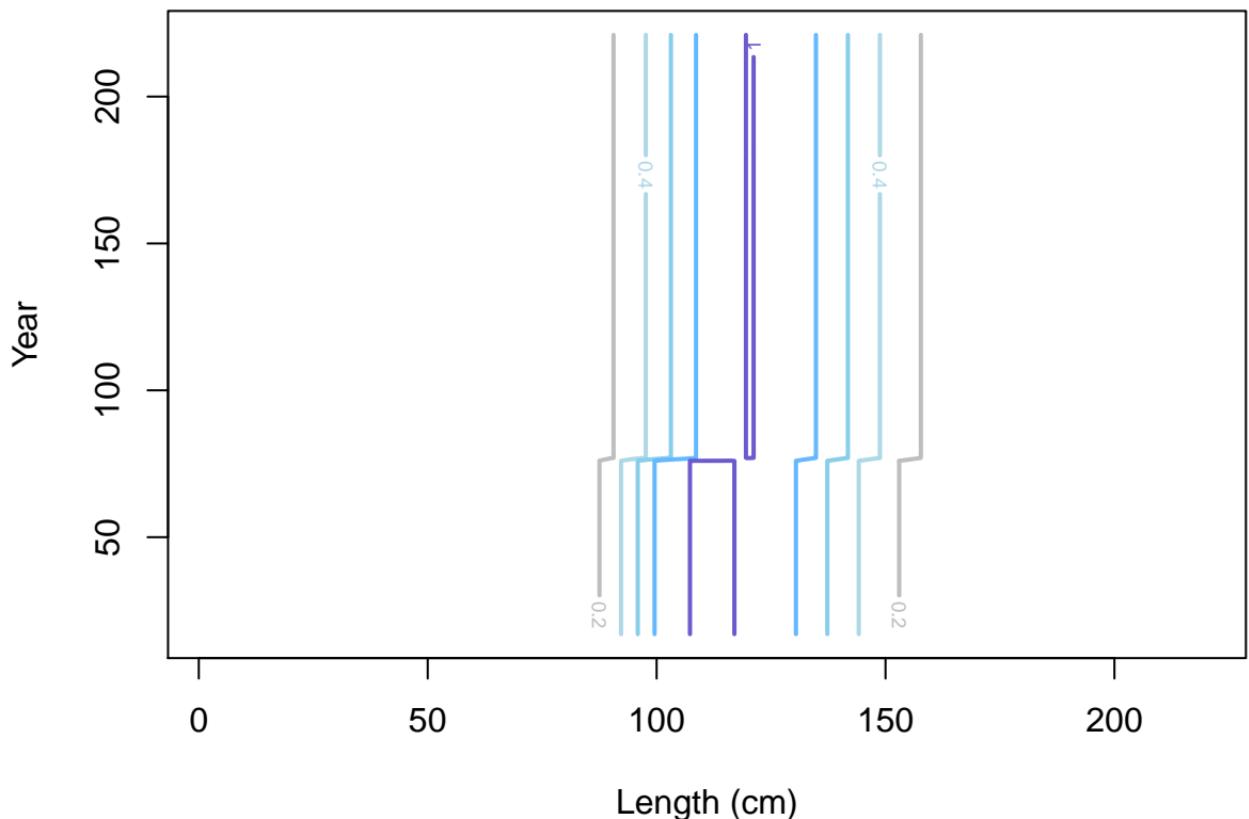
Female ending year selectivity for A6–LL–n



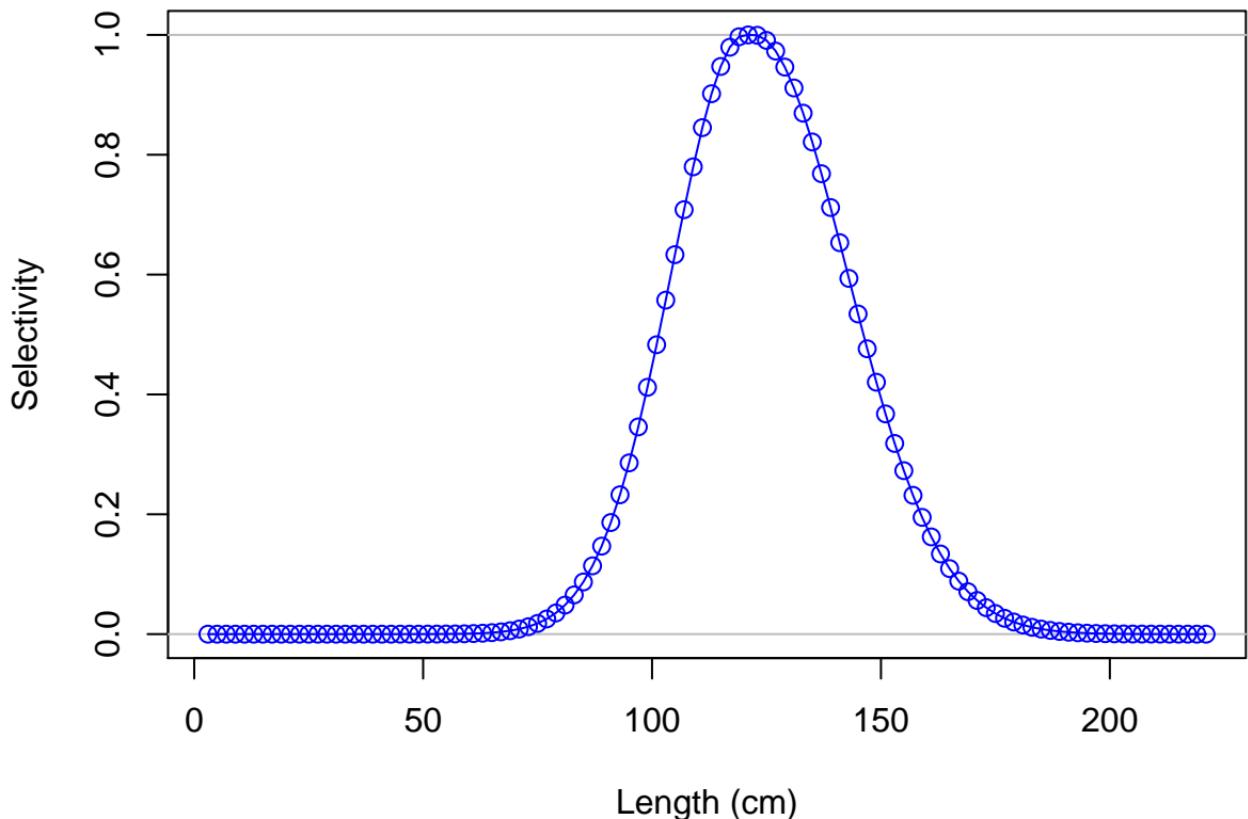
Male time-varying selectivity for A6-LL-n



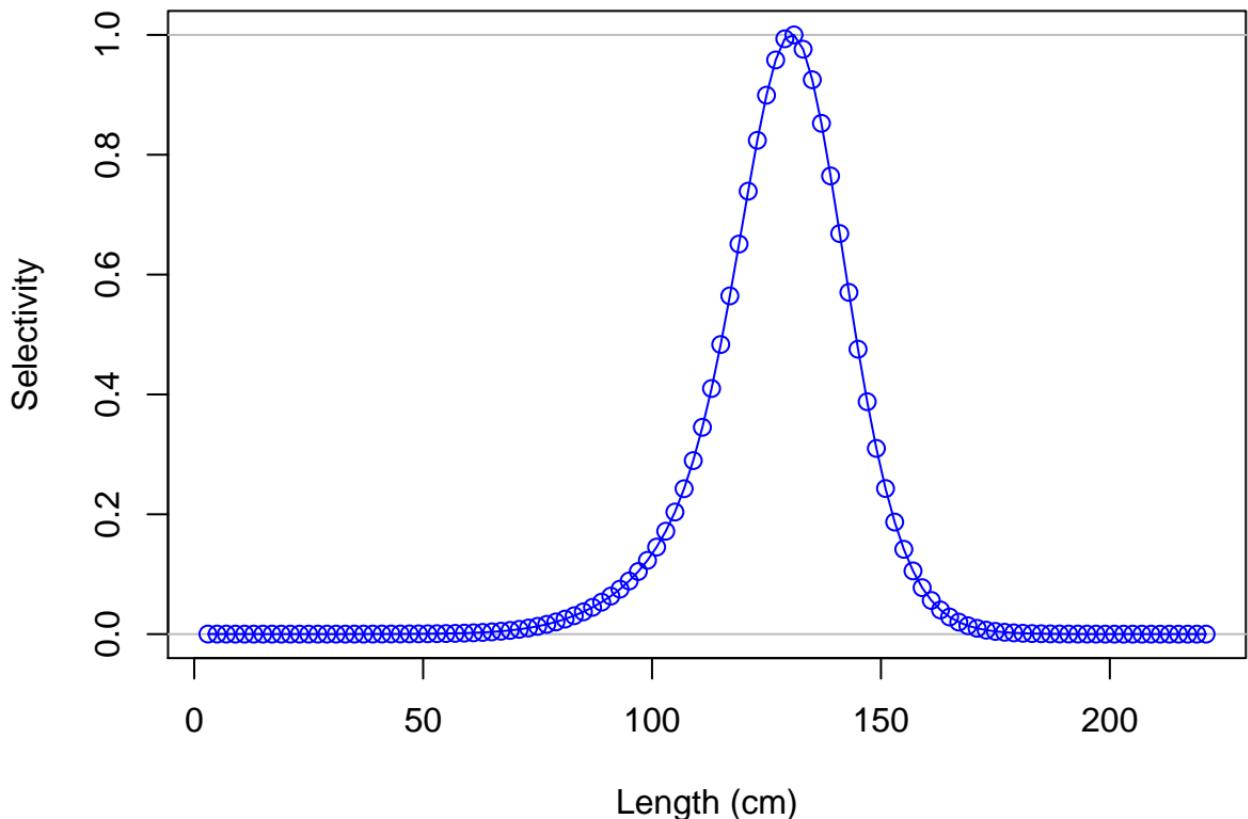
Male time-varying selectivity for A6-LL-n



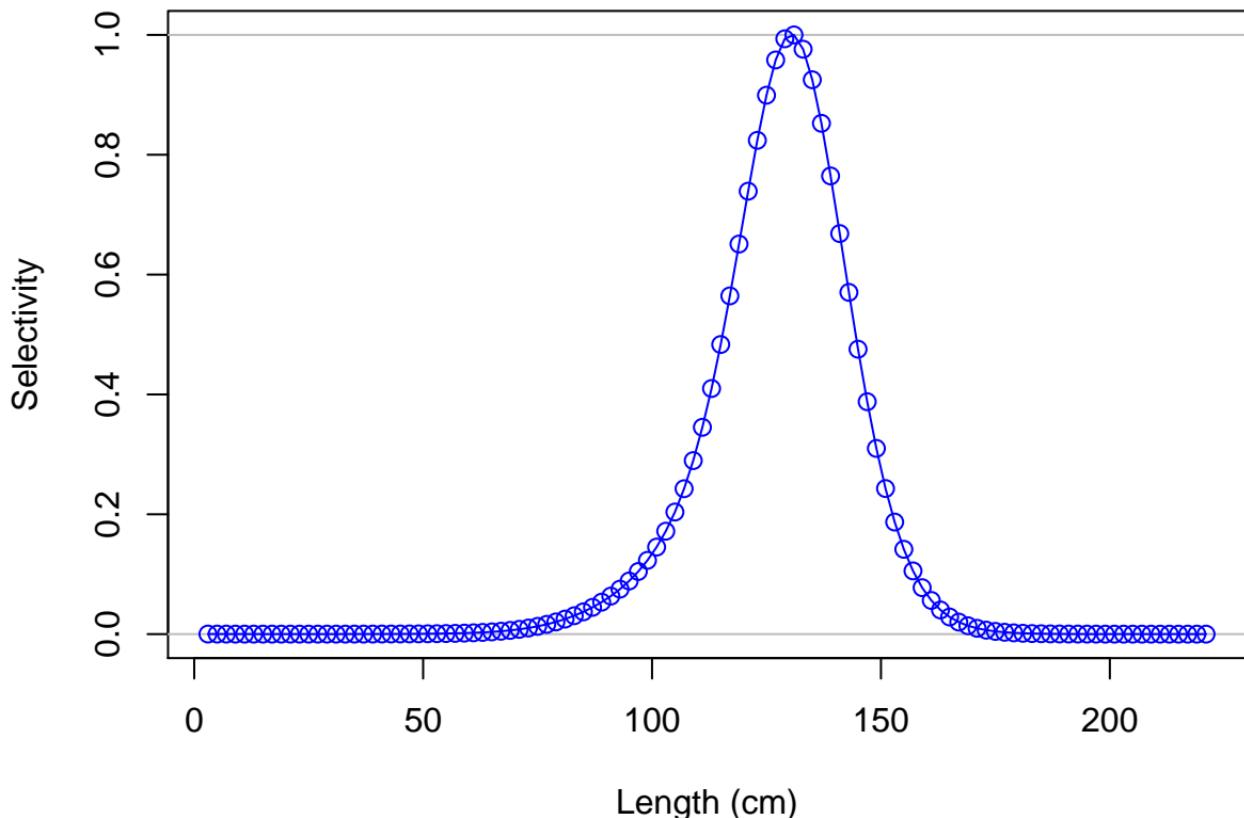
Male ending year selectivity for A6-LL-n



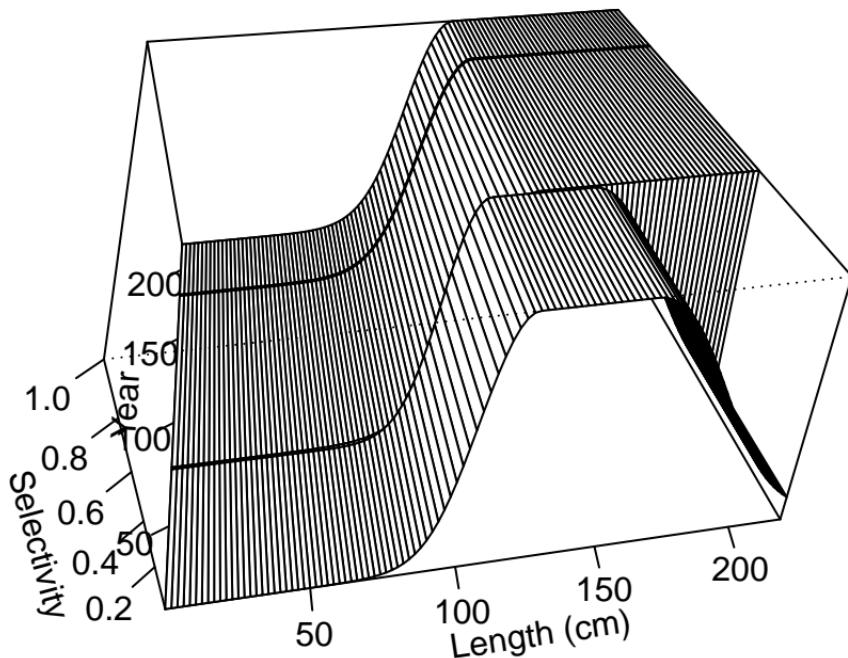
Female ending year selectivity for A1-LL-w



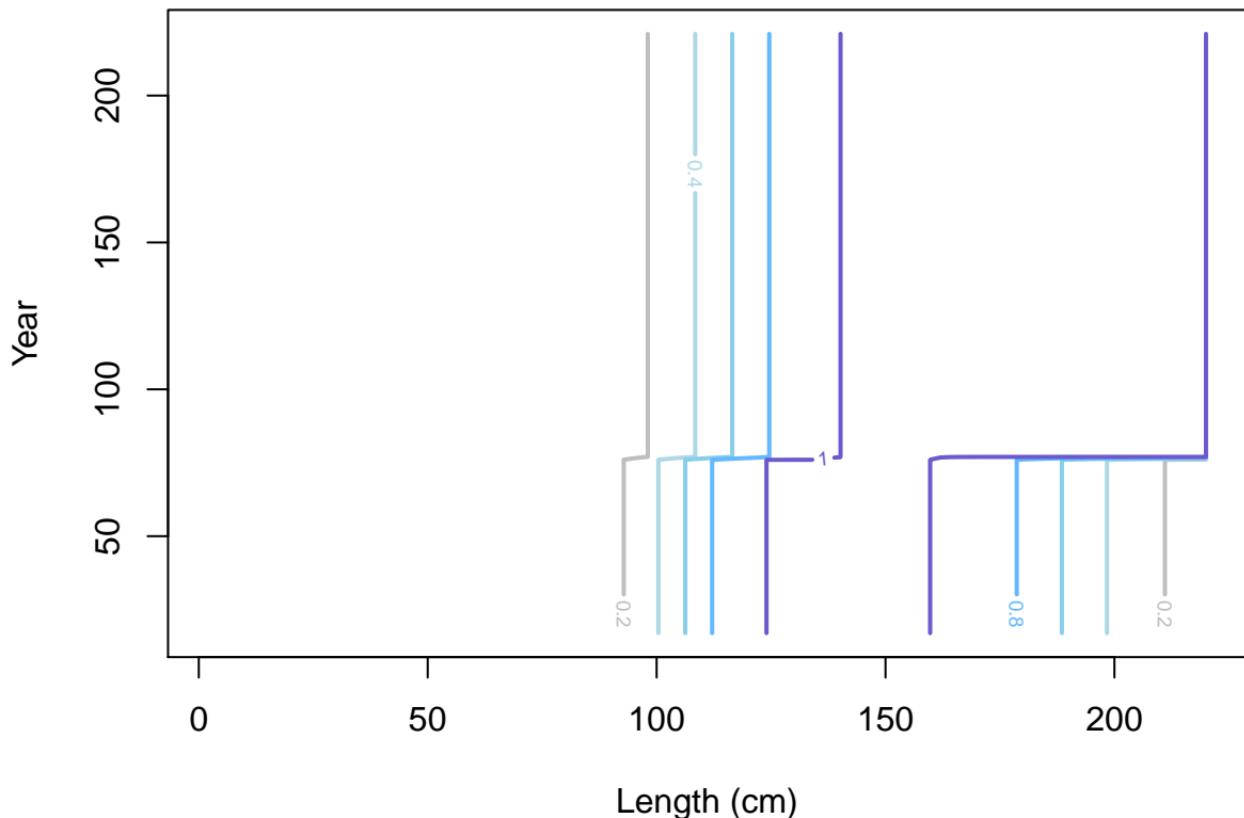
Male ending year selectivity for A1-LL-w



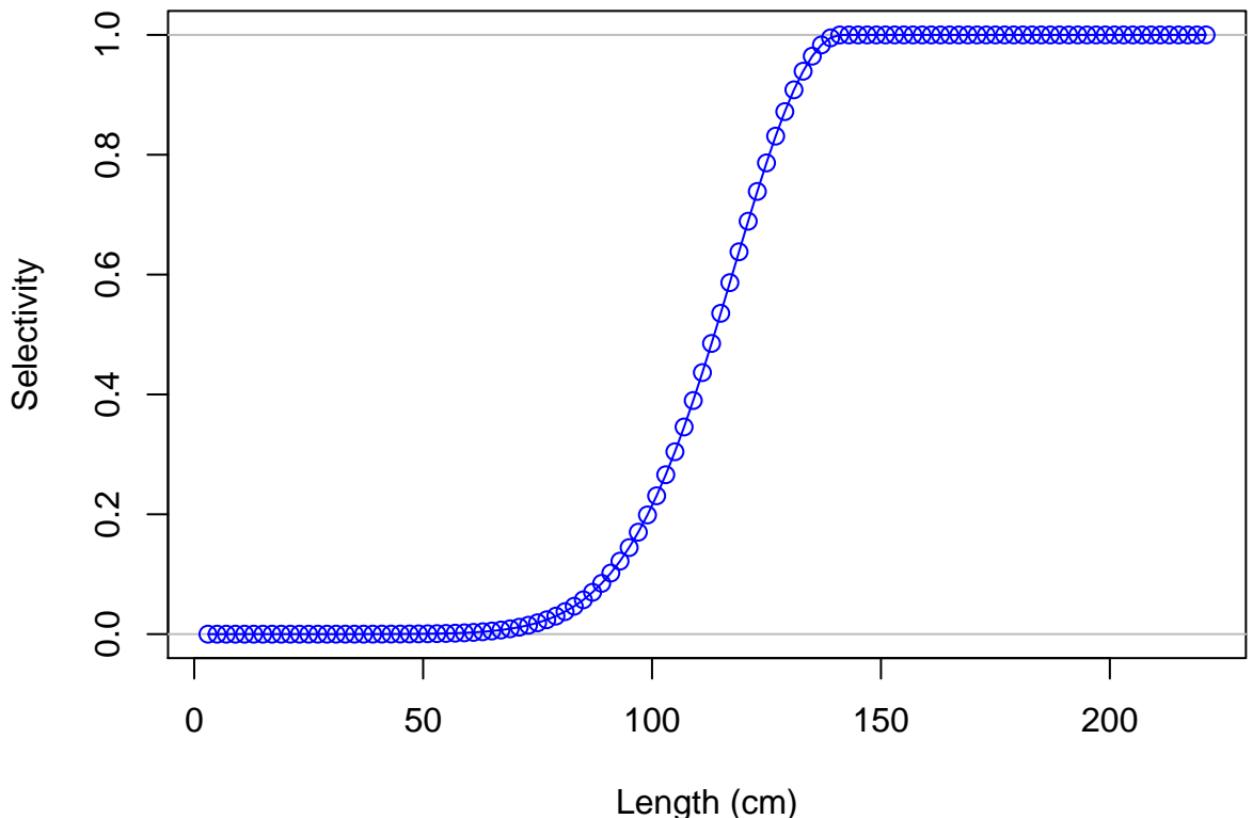
Female time-varying selectivity for A2-LL-w



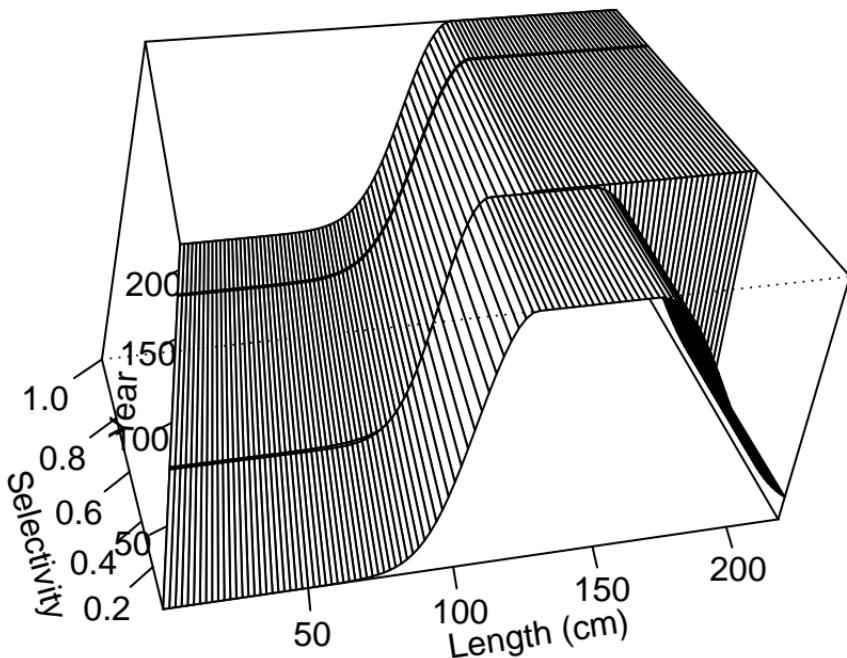
Female time-varying selectivity for A2-LL-w



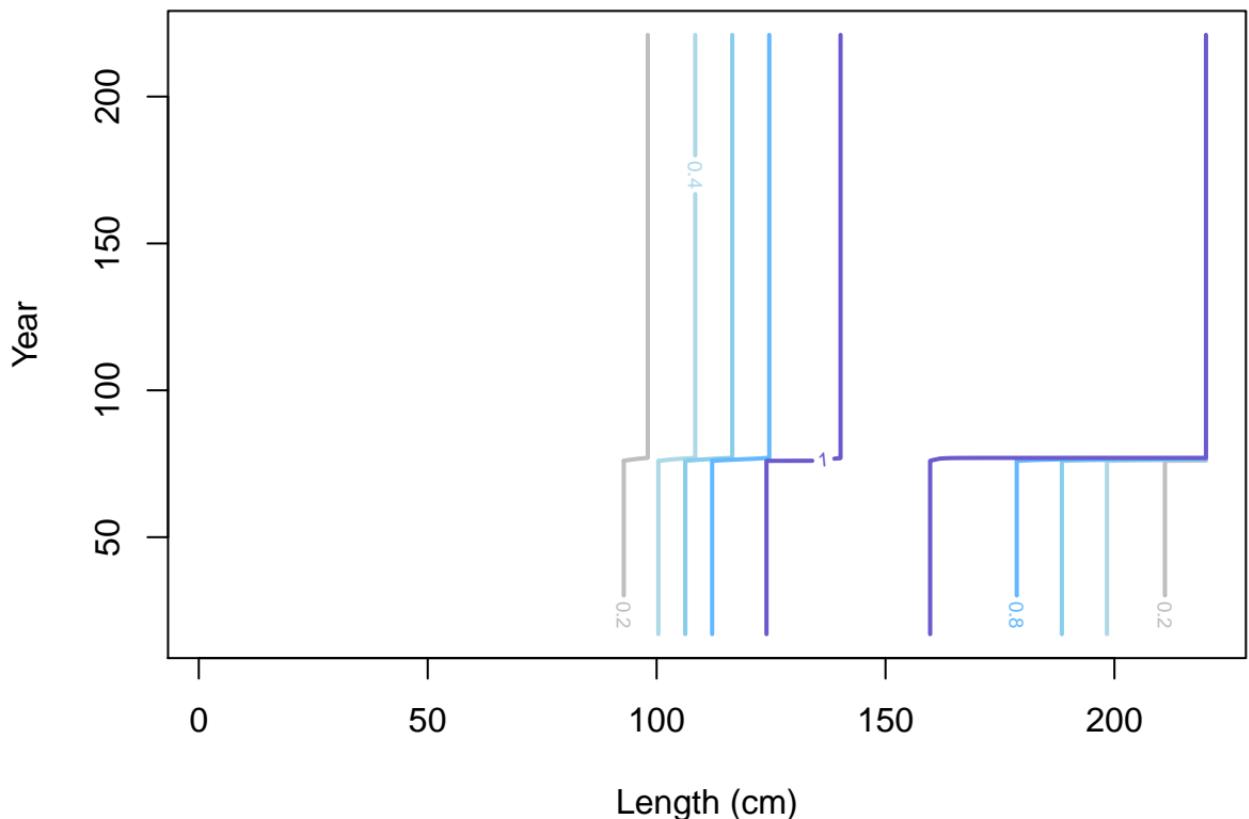
Female ending year selectivity for A2-LL-w



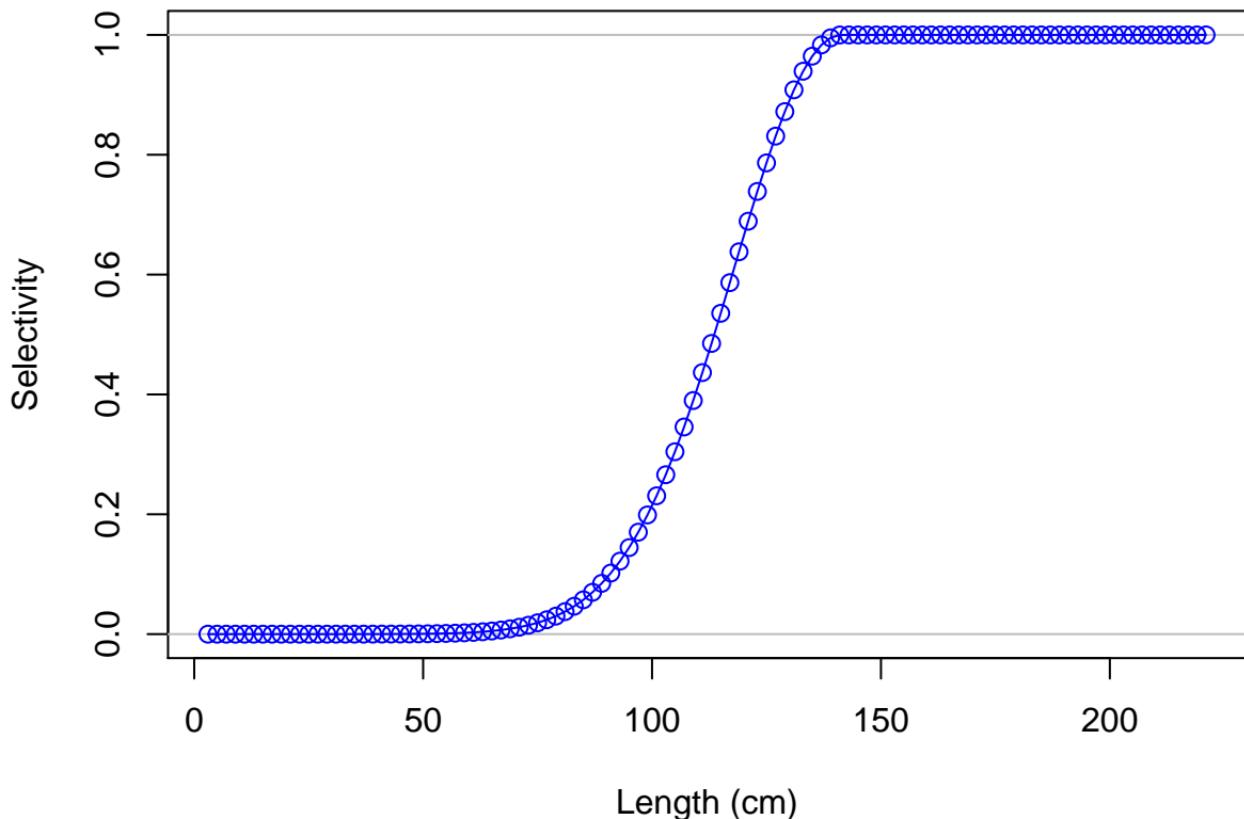
Male time-varying selectivity for A2-LL-w



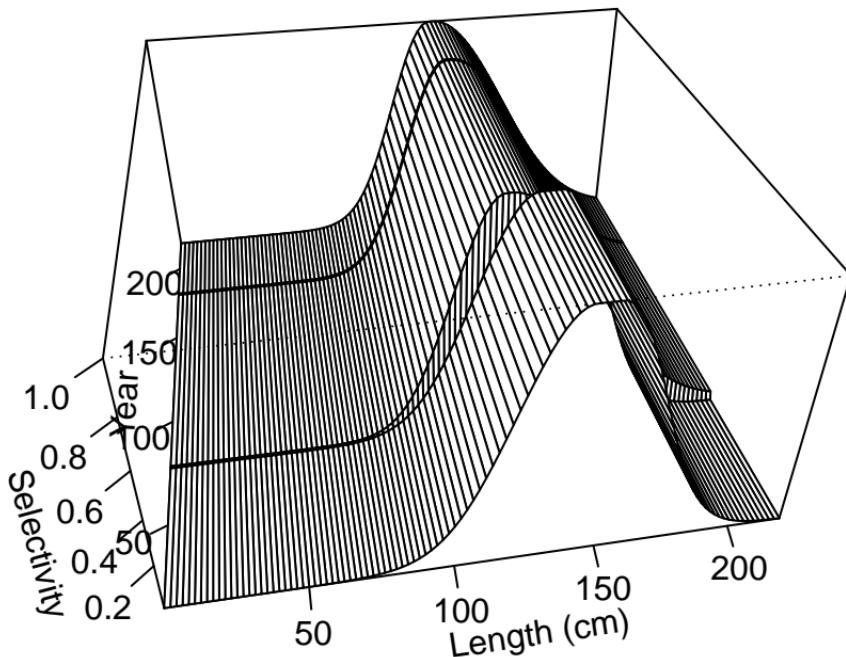
Male time-varying selectivity for A2-LL-w



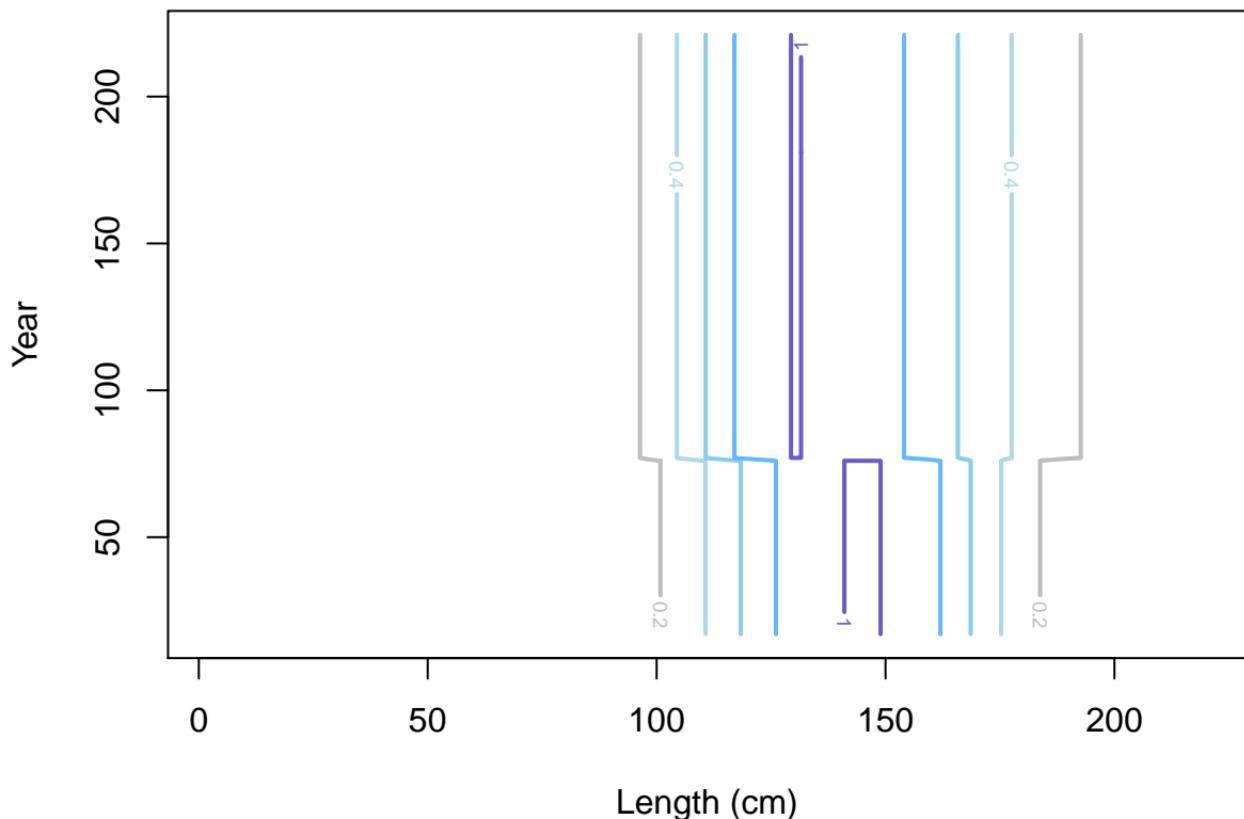
Male ending year selectivity for A2-LL-w



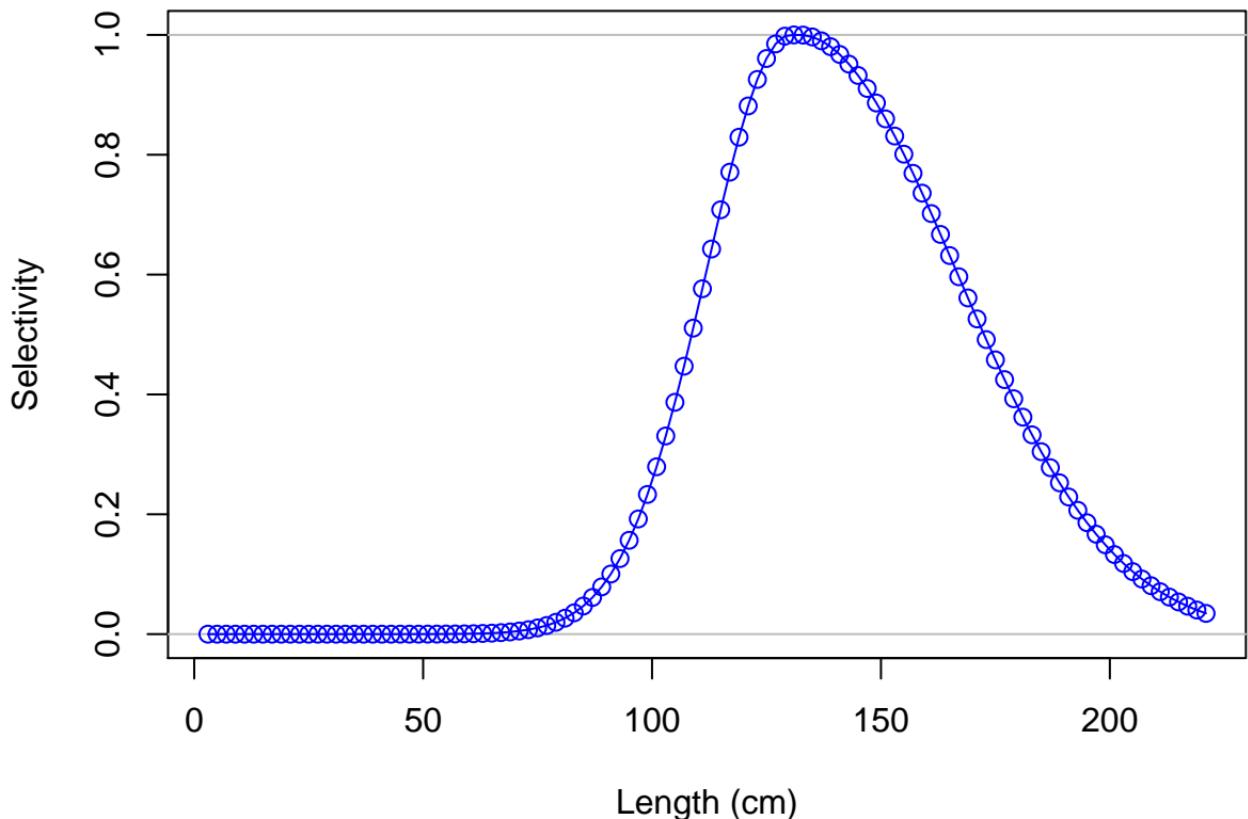
Female time-varying selectivity for A3-LL-w



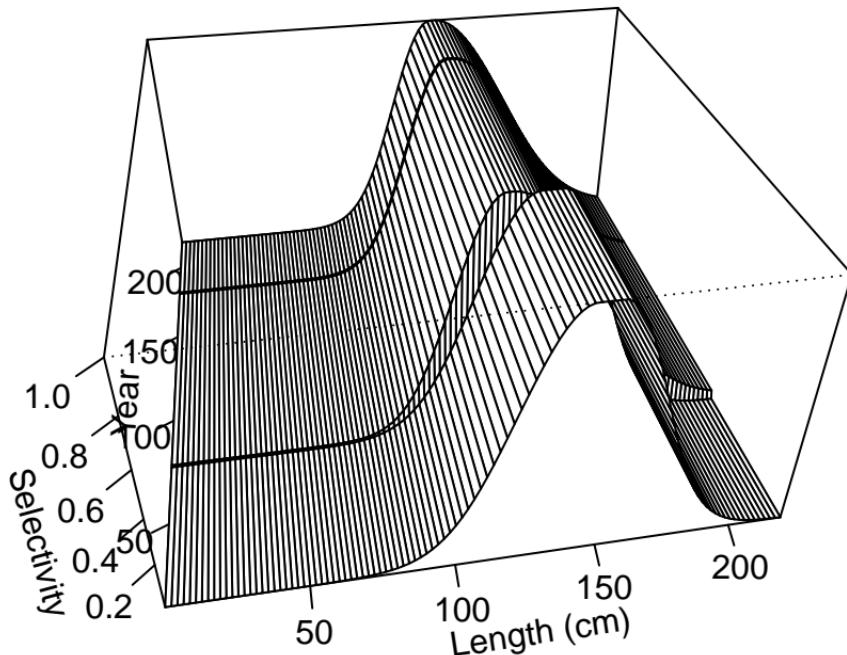
Female time-varying selectivity for A3-LL-w



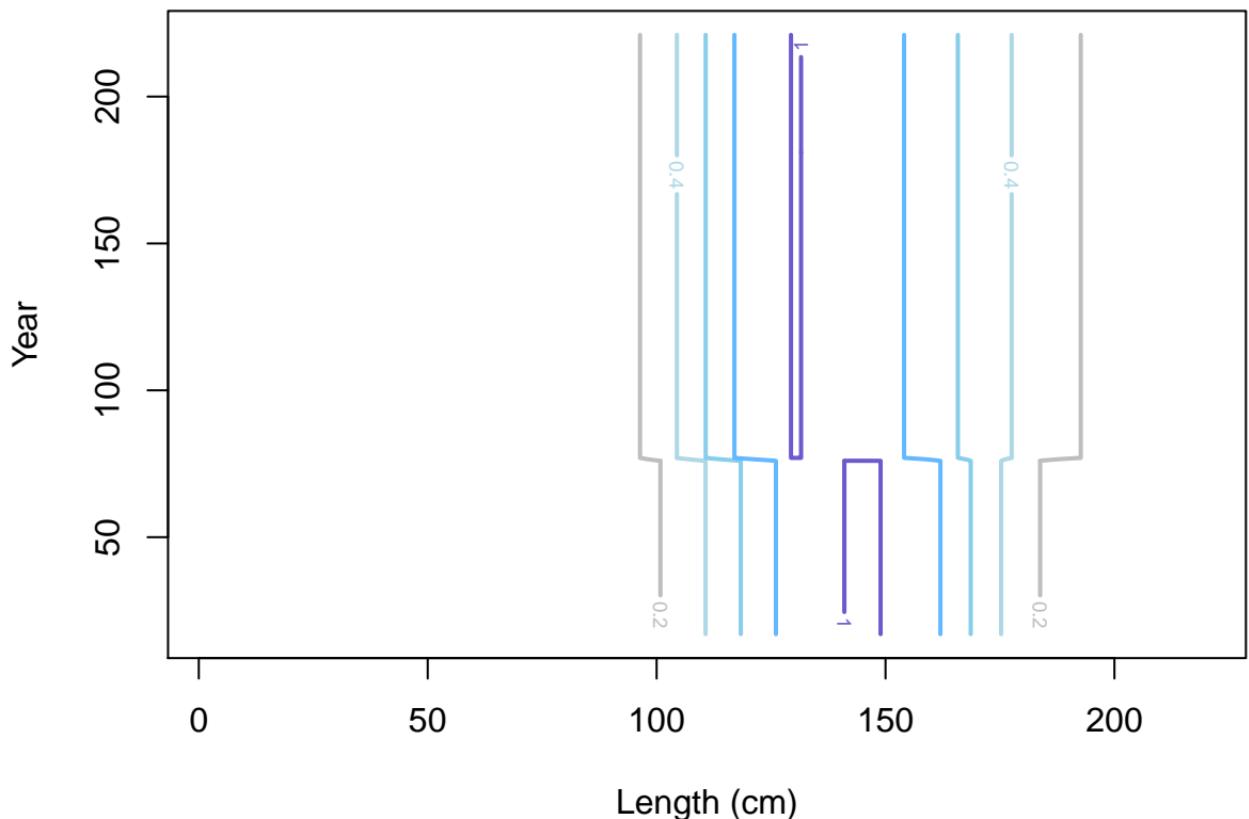
Female ending year selectivity for A3-LL-w



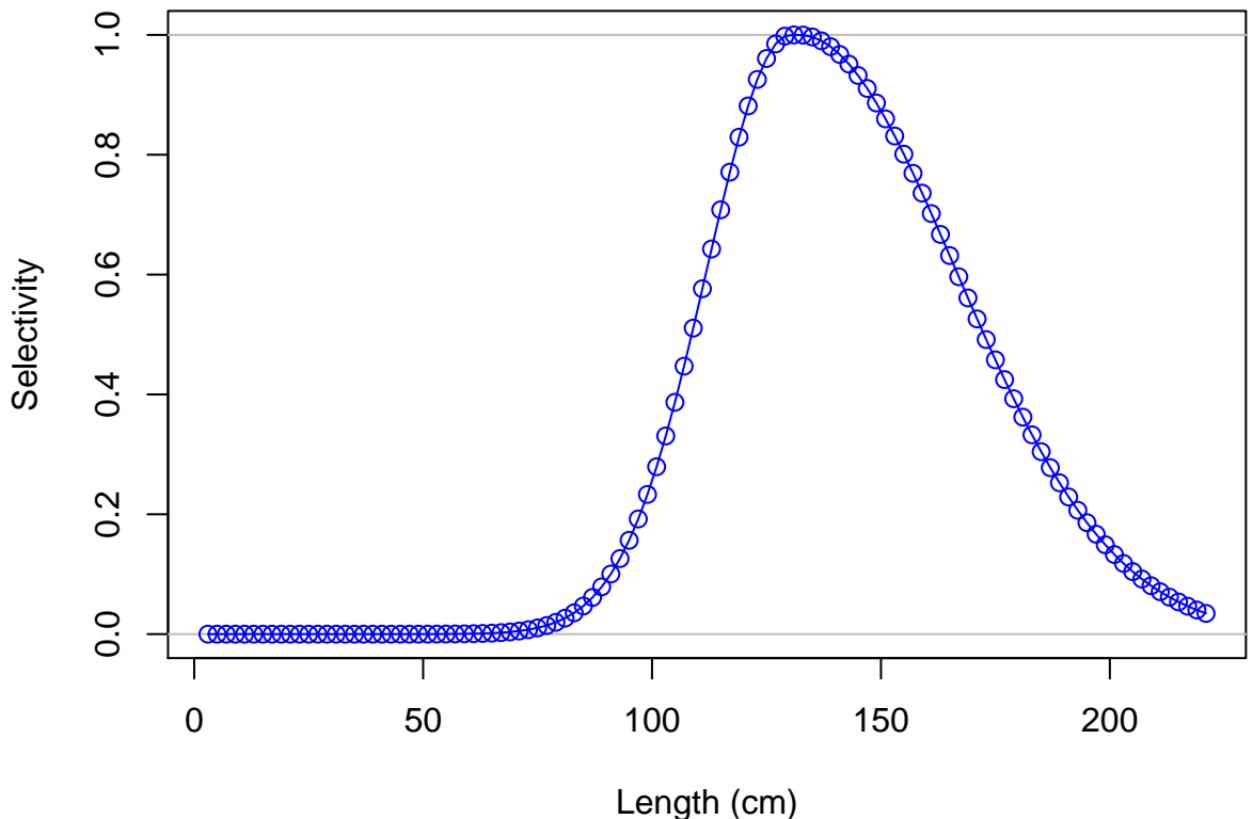
Male time-varying selectivity for A3-LL-w



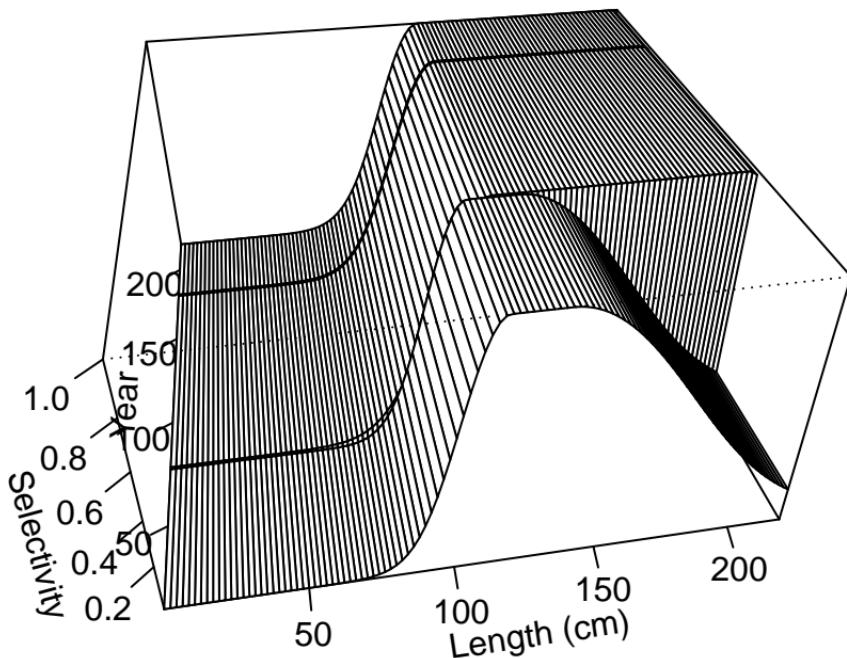
Male time-varying selectivity for A3-LL-w



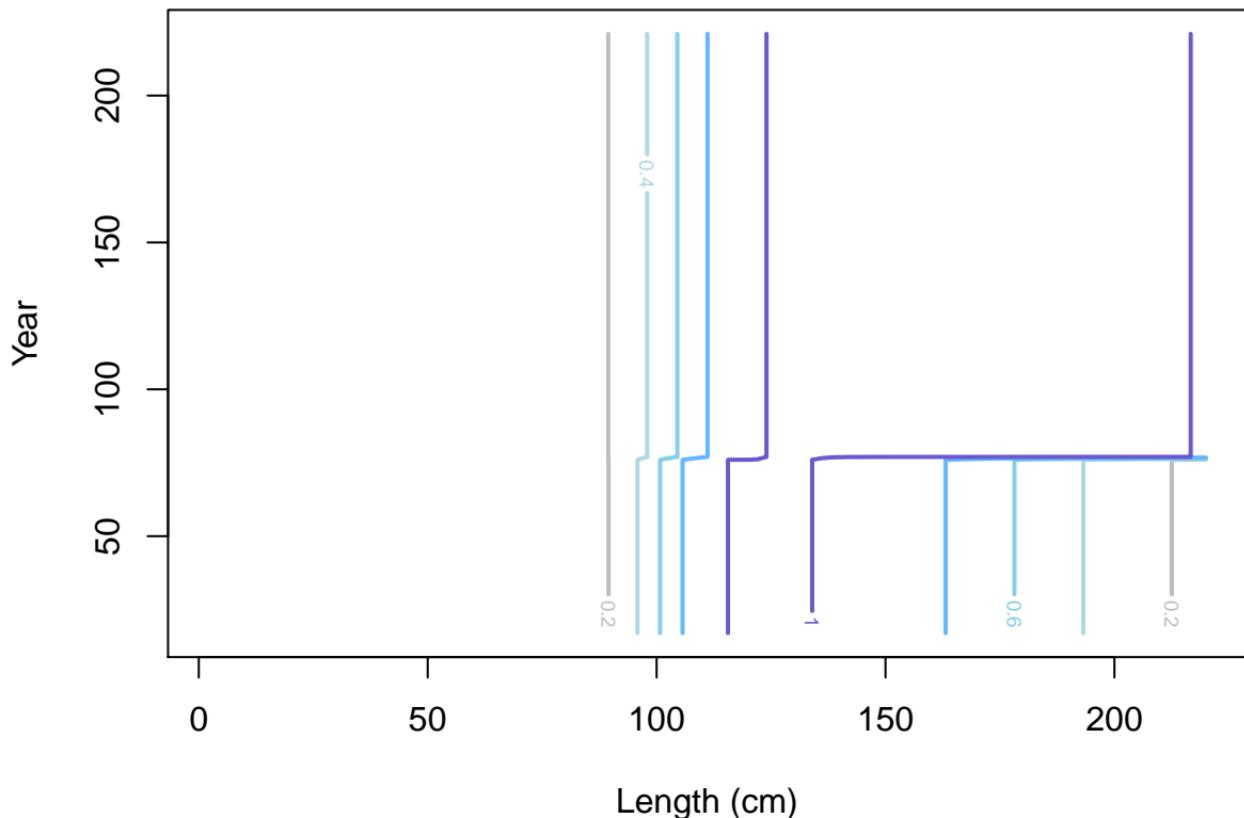
Male ending year selectivity for A3–LL–w



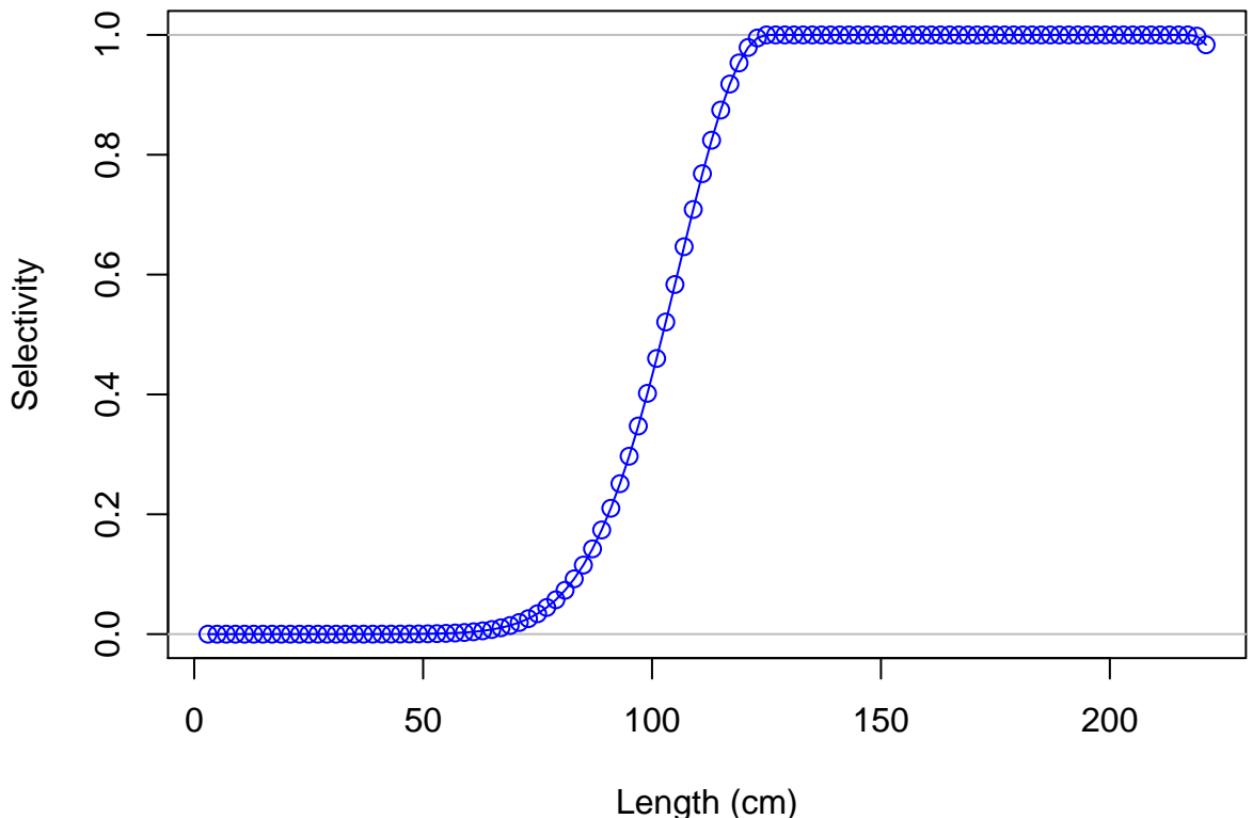
Female time-varying selectivity for A4-LL-w



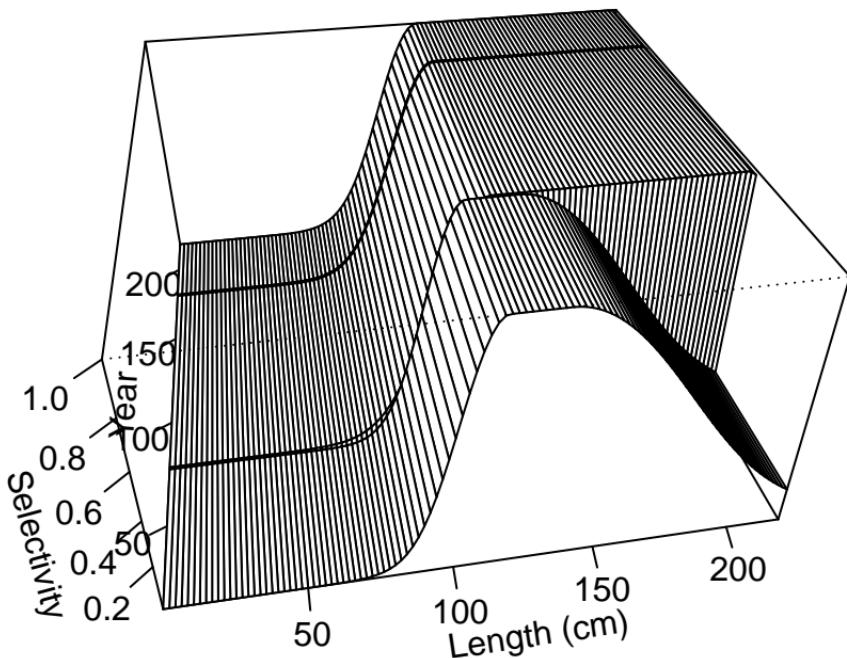
Female time-varying selectivity for A4-LL-w



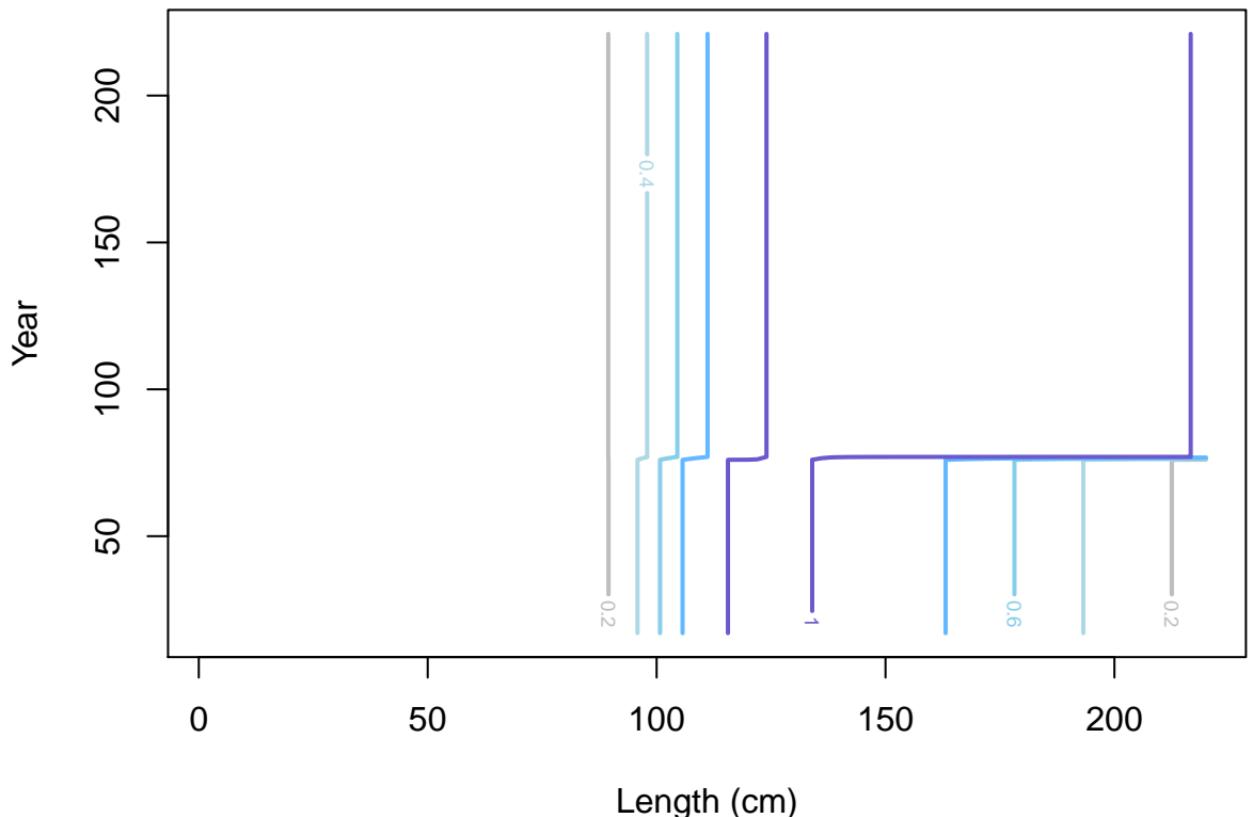
Female ending year selectivity for A4-LL-w



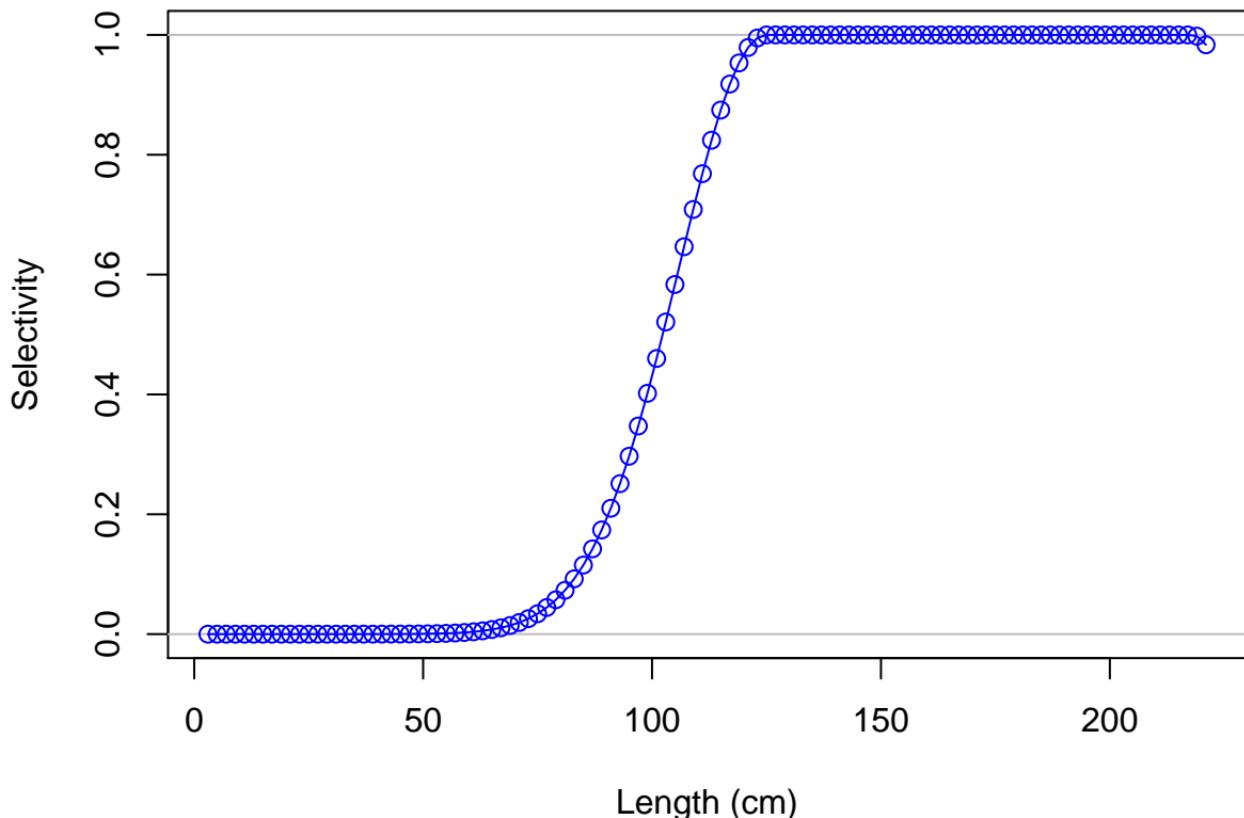
Male time-varying selectivity for A4-LL-w



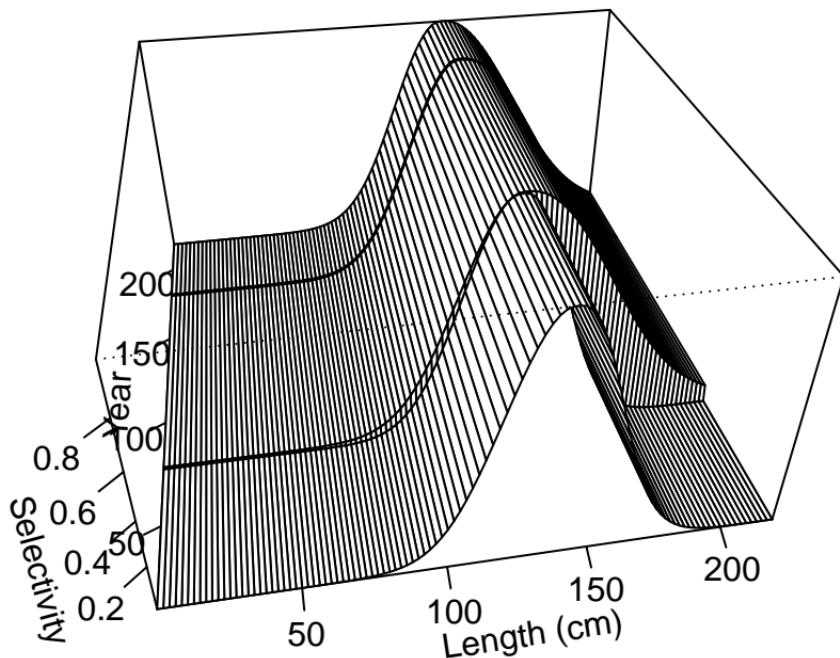
Male time-varying selectivity for A4-LL-w



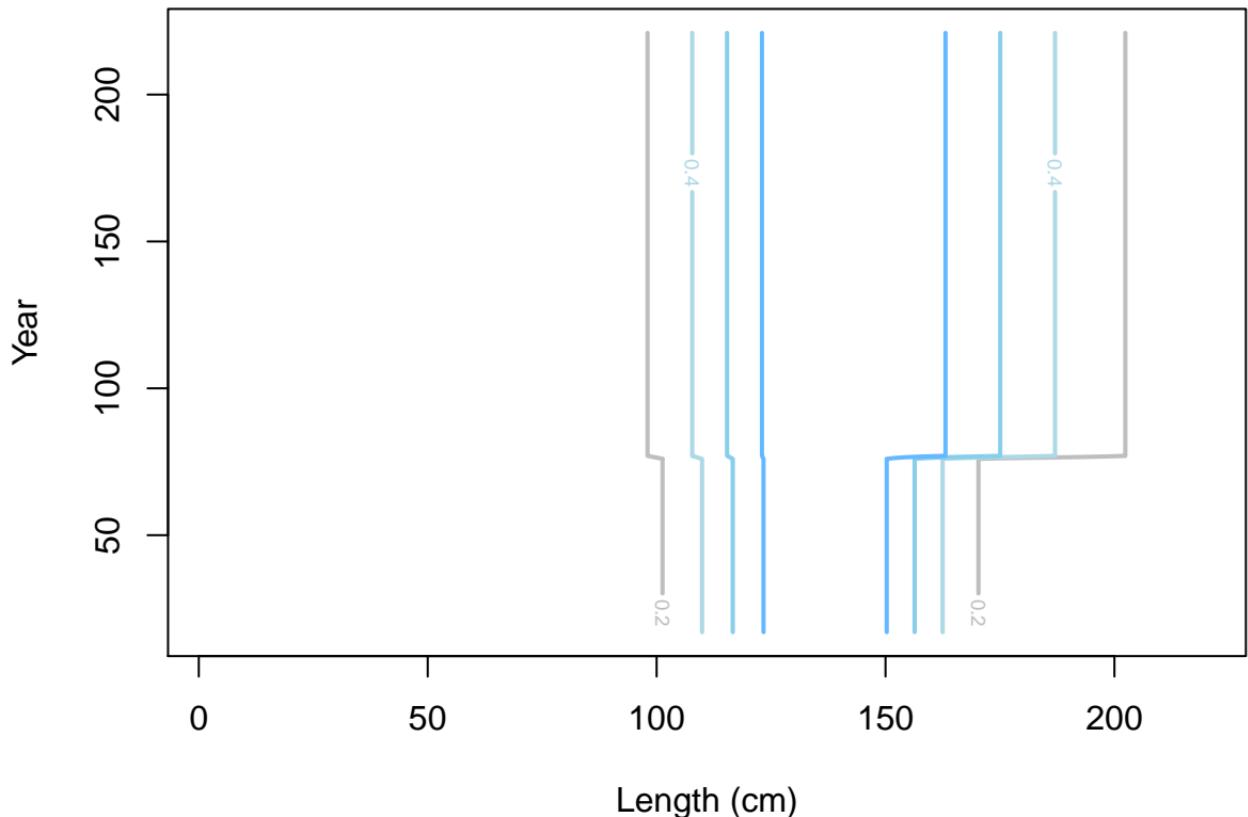
Male ending year selectivity for A4–LL–w



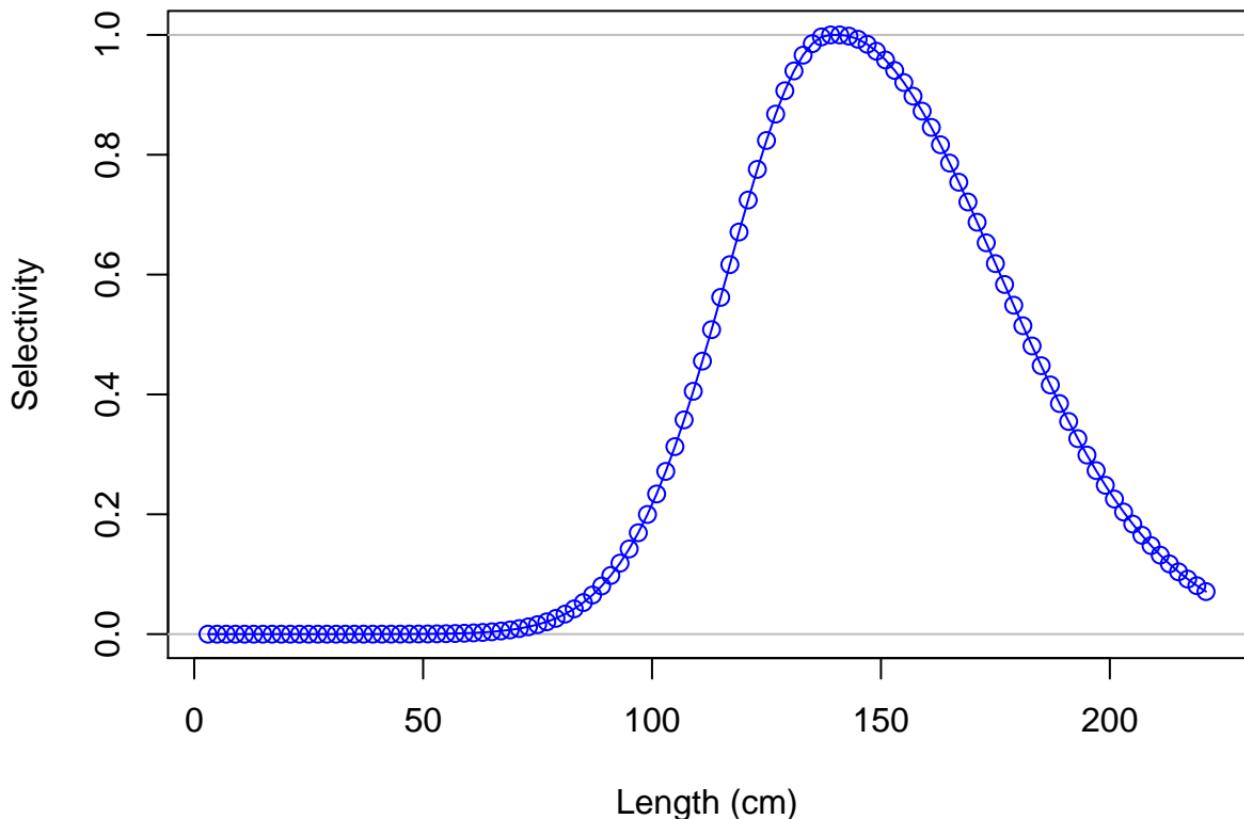
Female time-varying selectivity for A5-LL-w



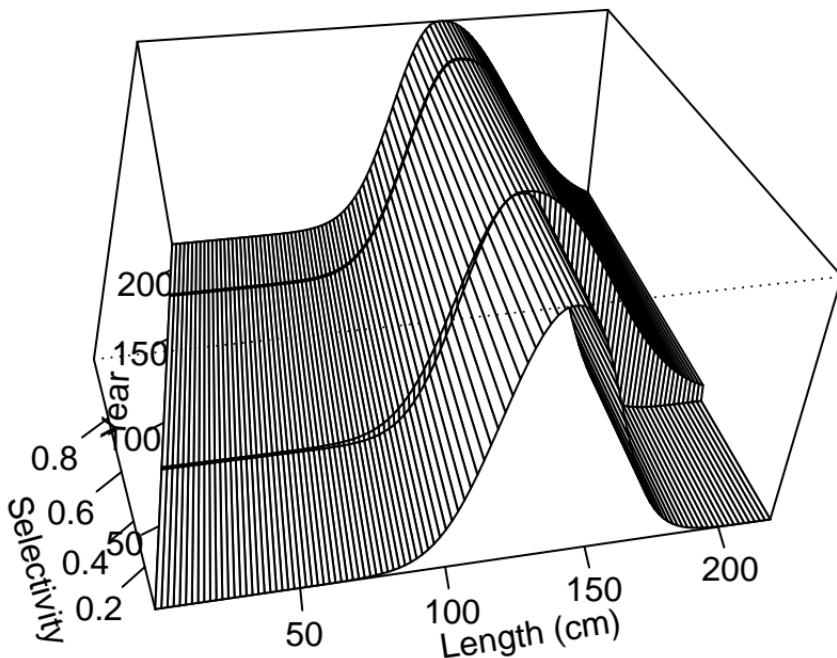
Female time-varying selectivity for A5-LL-w



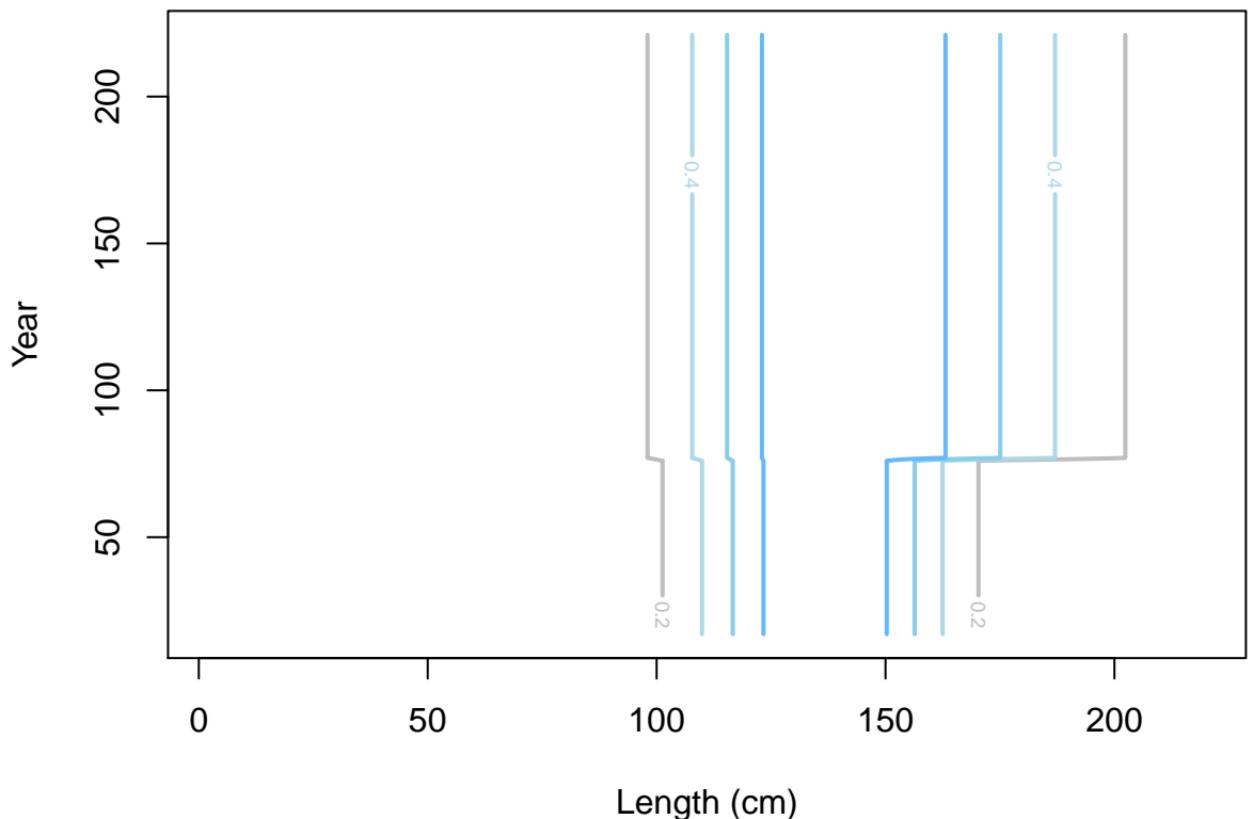
Female ending year selectivity for A5-LL-w



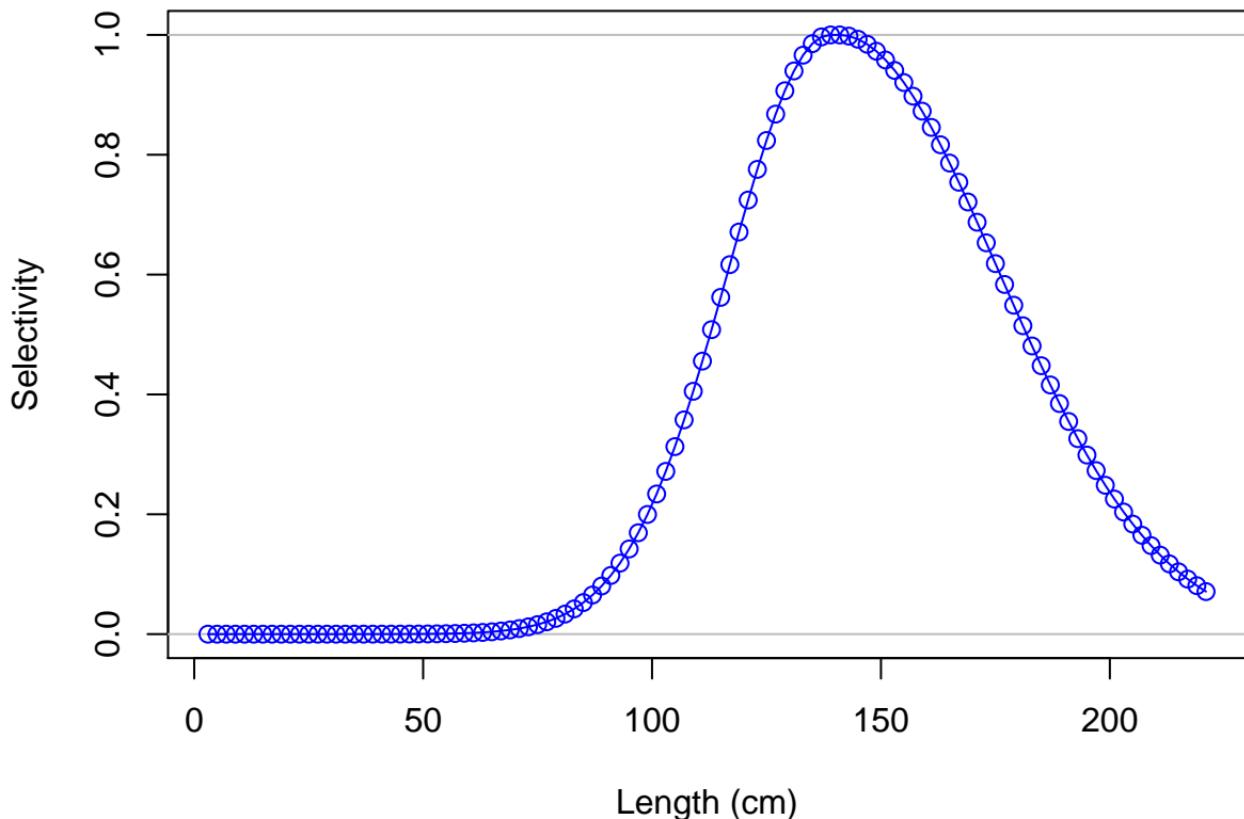
Male time-varying selectivity for A5-LL-w



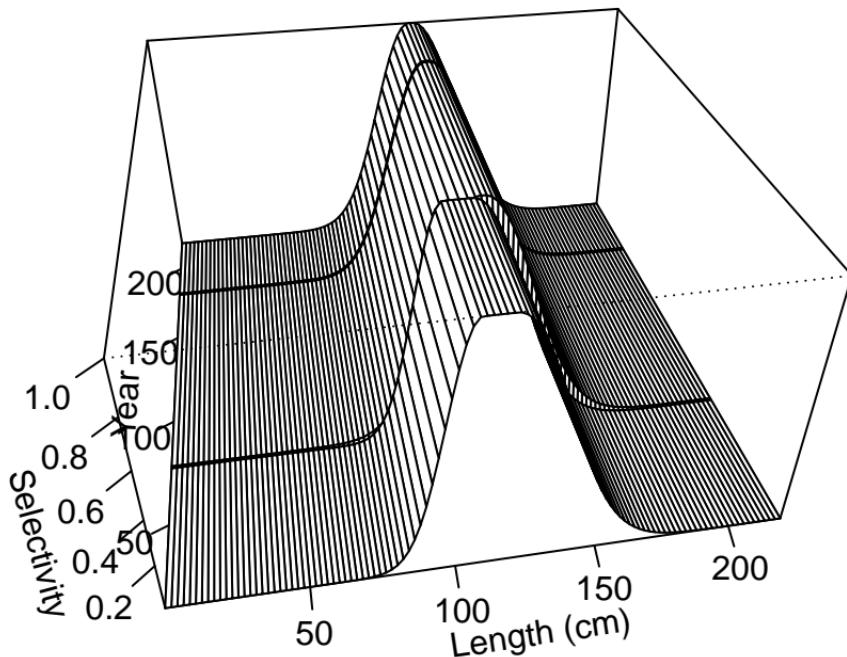
Male time-varying selectivity for A5-LL-w



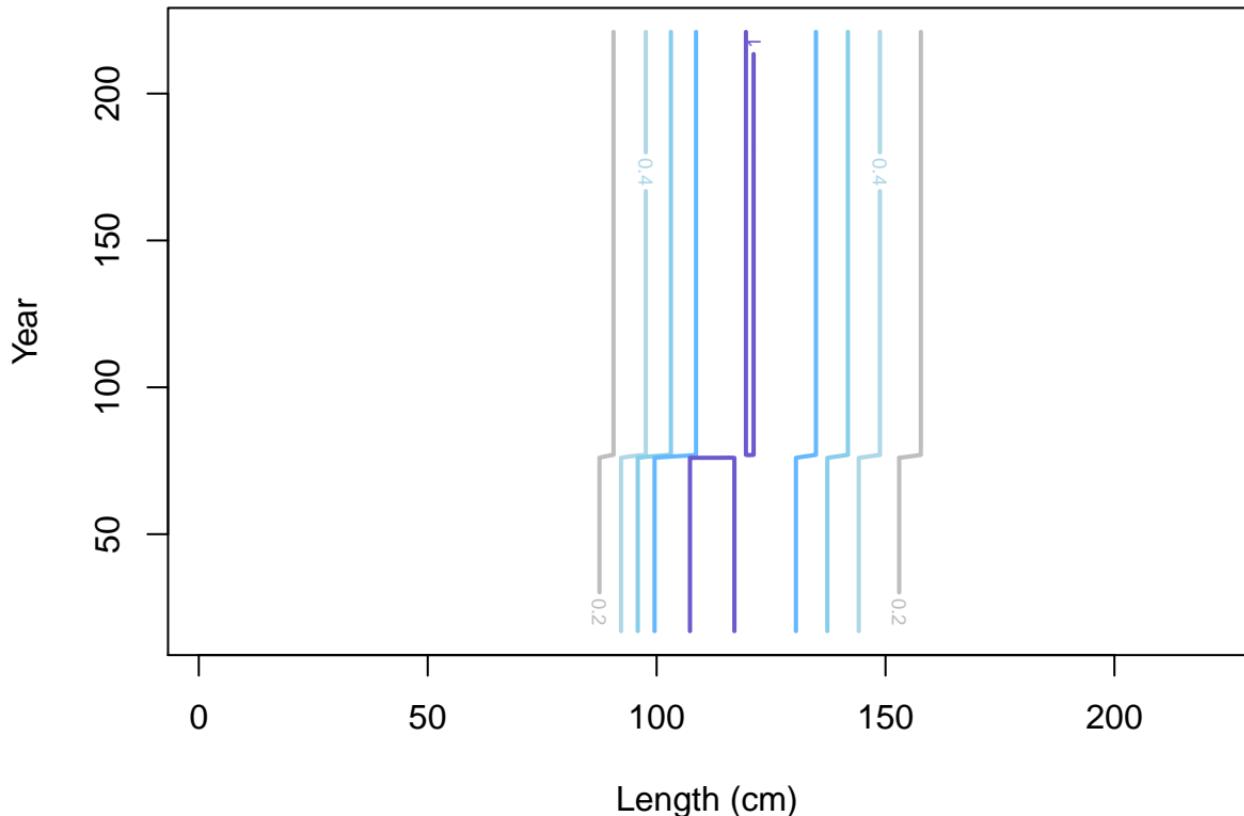
Male ending year selectivity for A5–LL–w



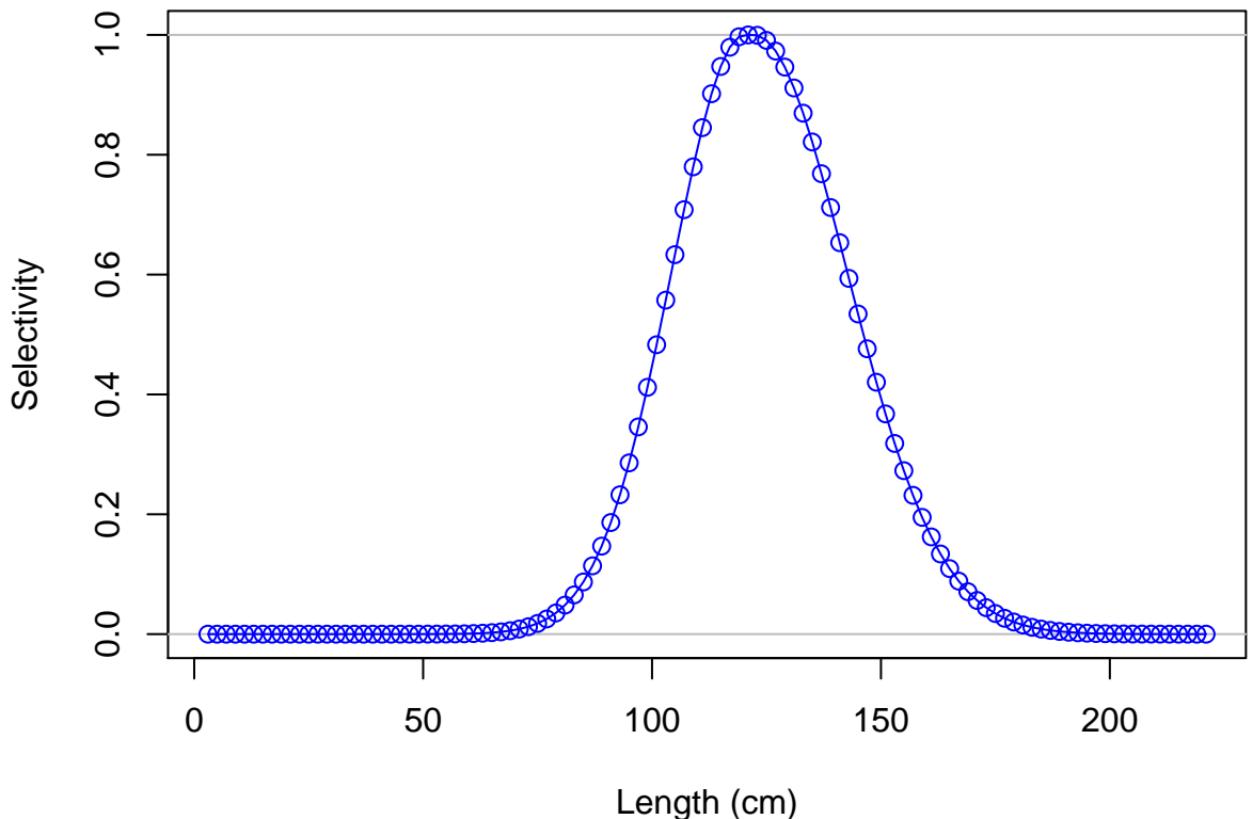
Female time-varying selectivity for A6-LL-w



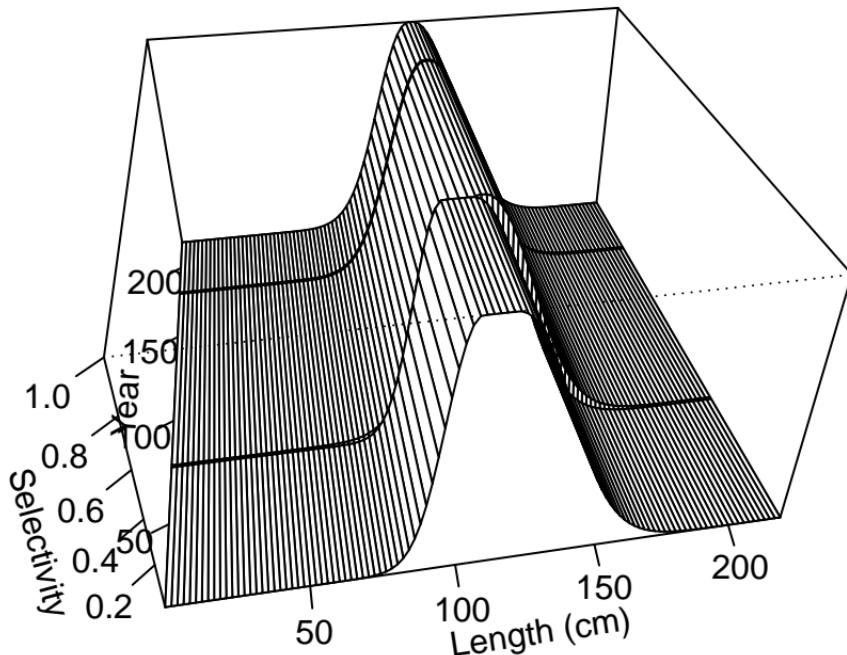
Female time-varying selectivity for A6-LL-w



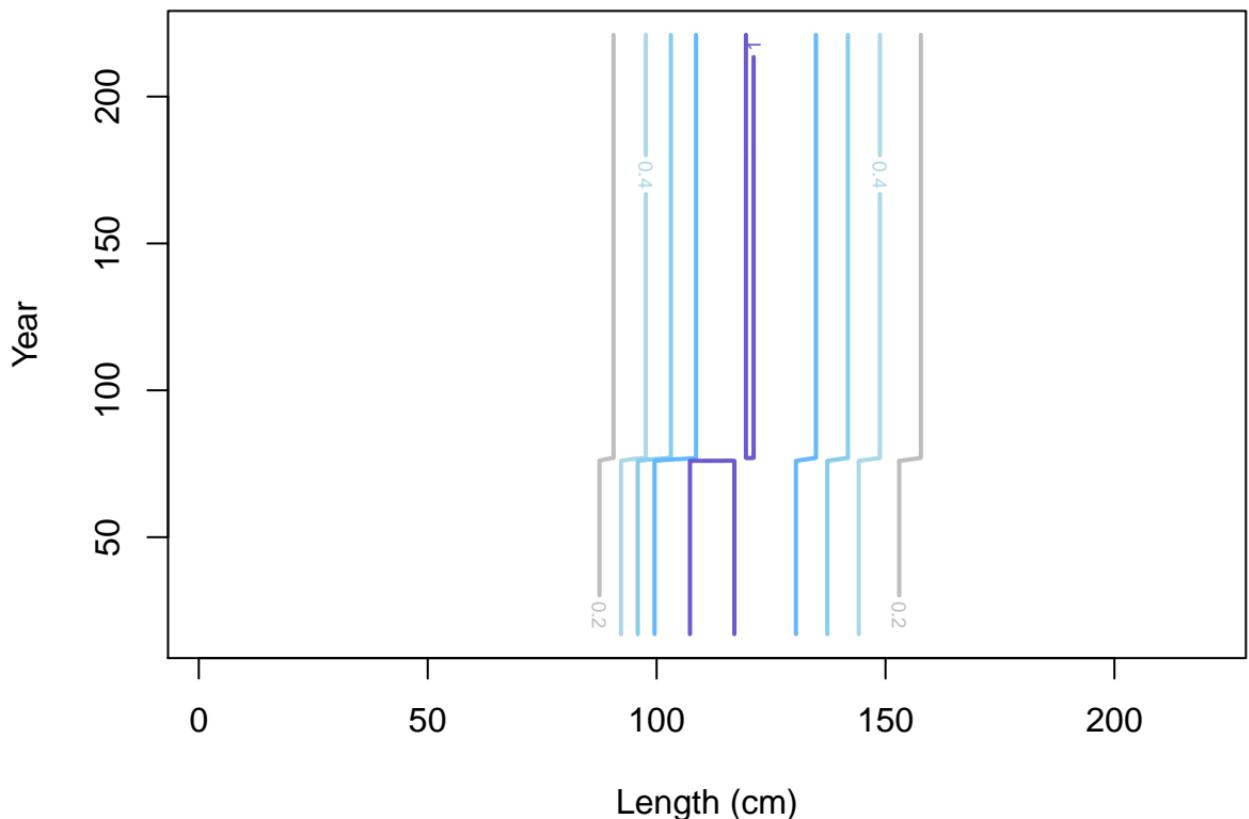
Female ending year selectivity for A6-LL-w



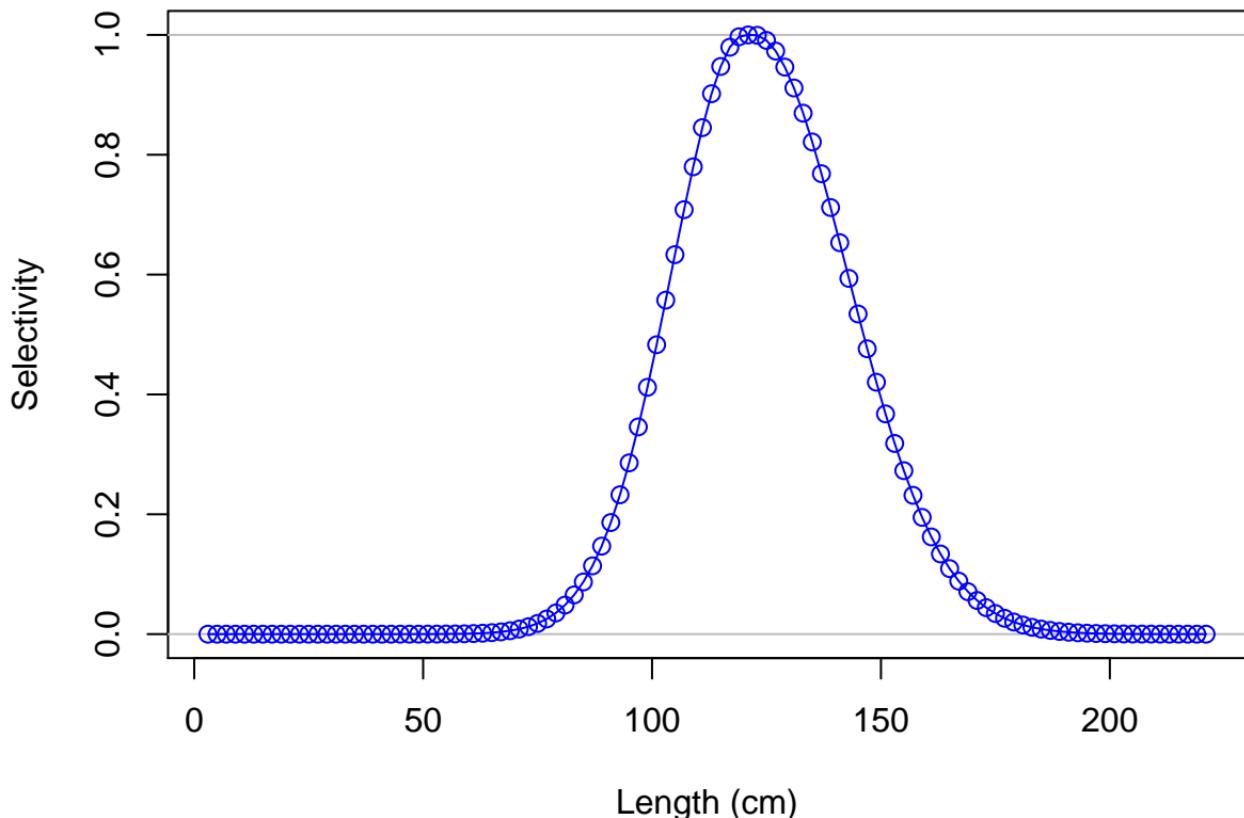
Male time-varying selectivity for A6-LL-w



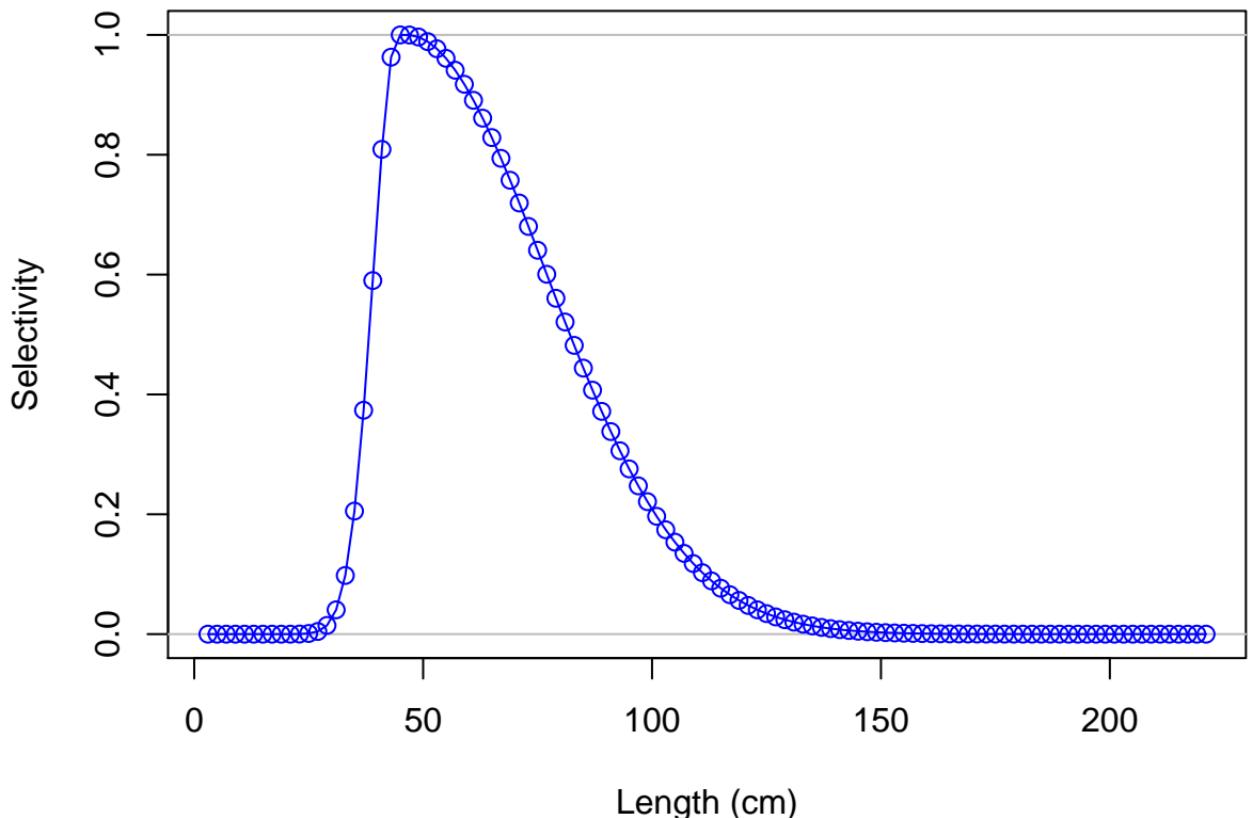
Male time-varying selectivity for A6-LL-w



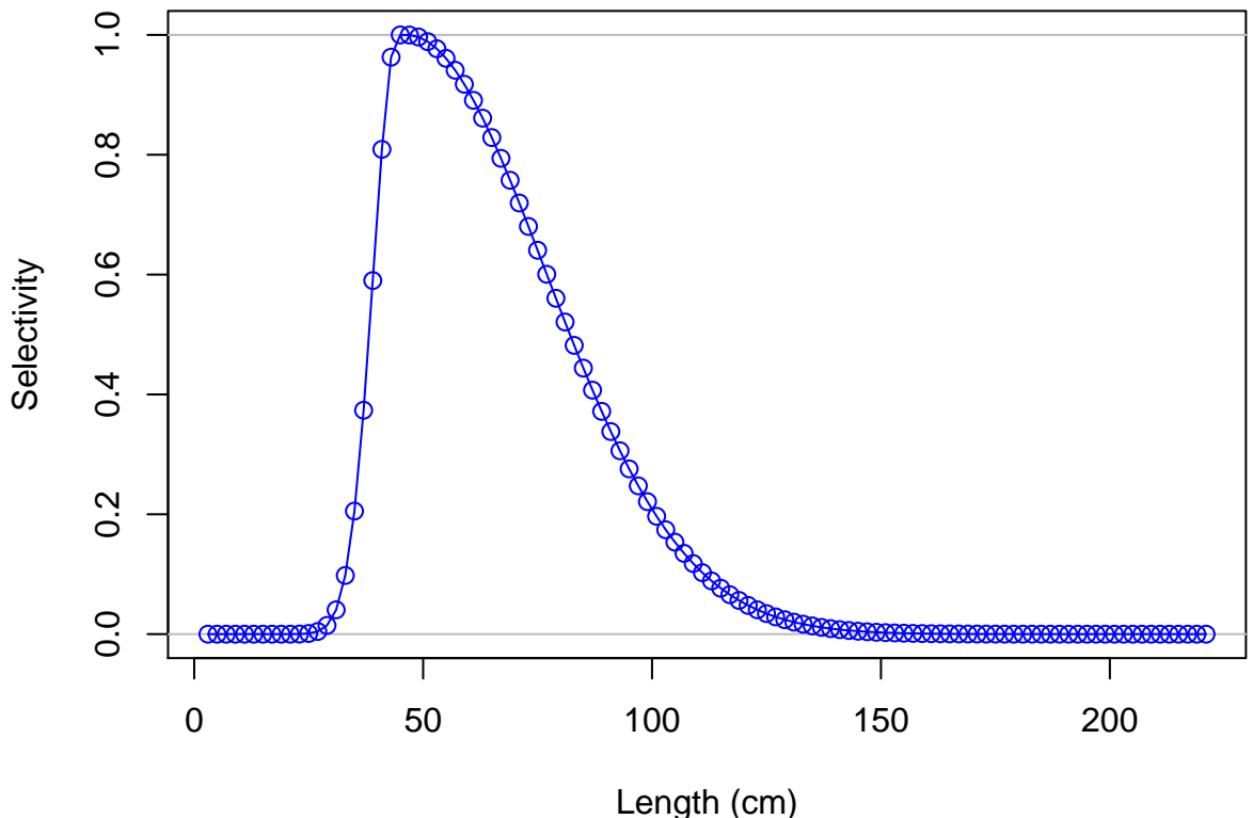
Male ending year selectivity for A6-LL-w



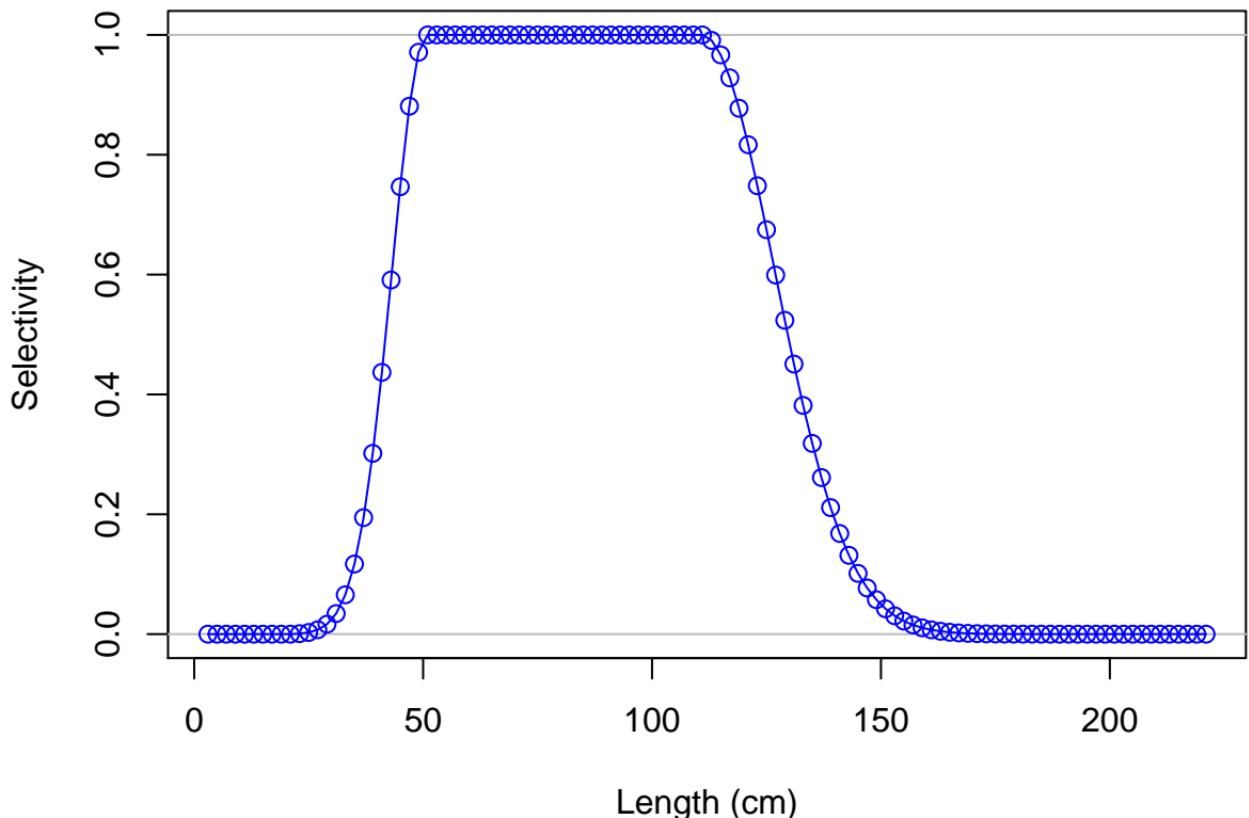
Female ending year selectivity for A2-OBJ



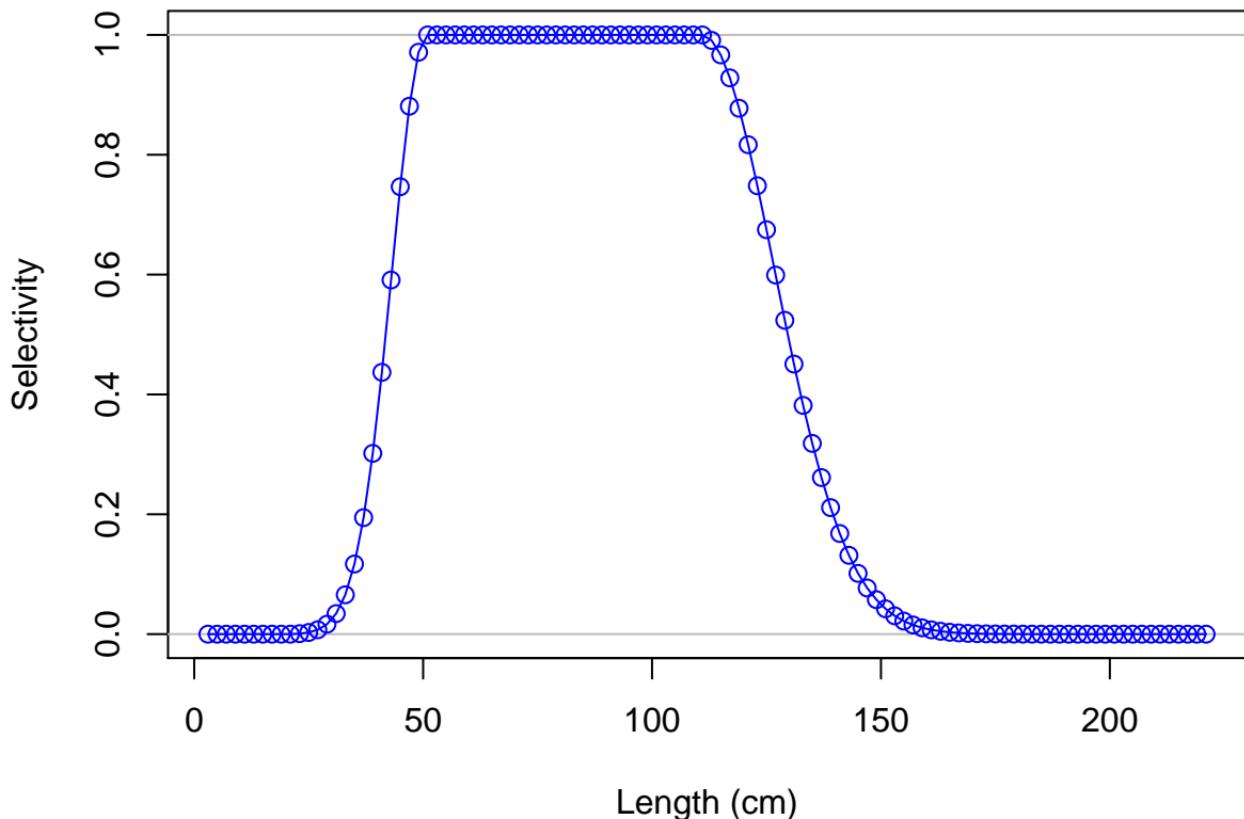
Male ending year selectivity for A2–OBJ



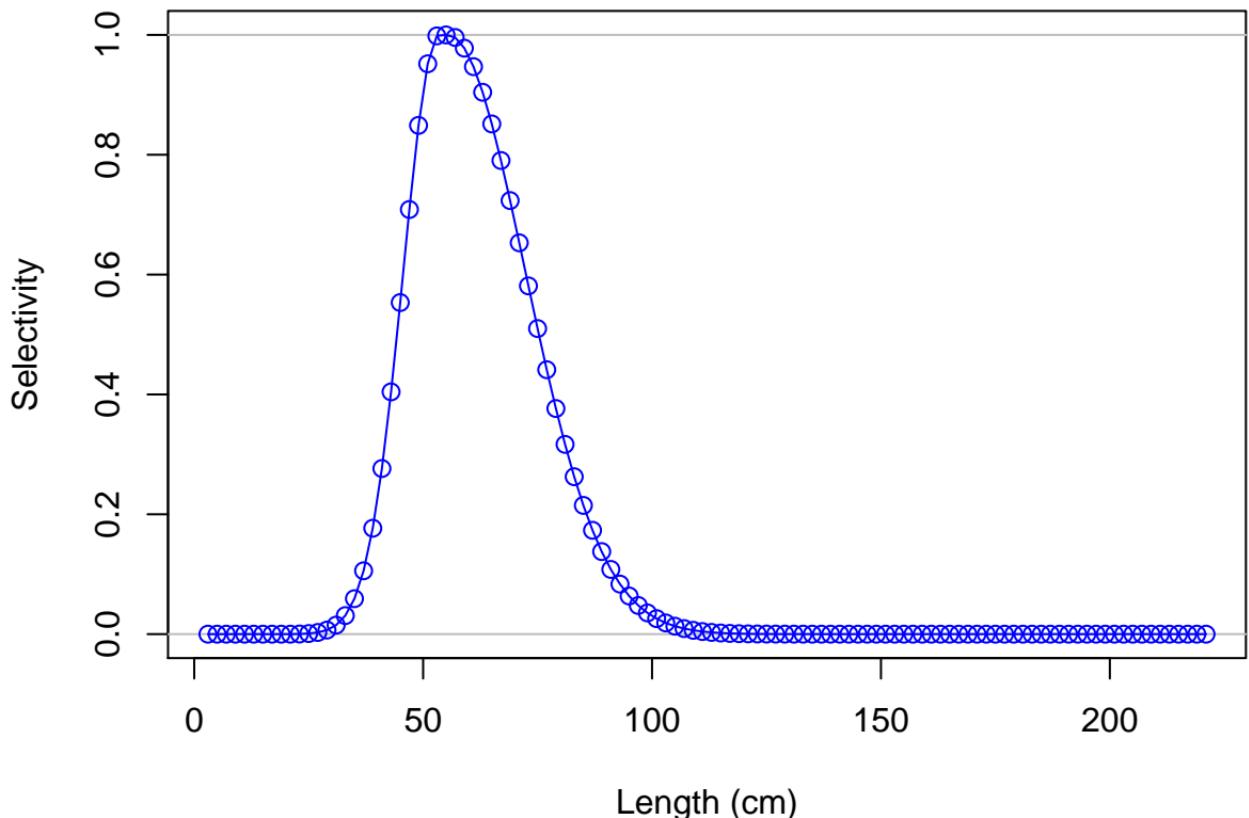
Female ending year selectivity for A3-OBJ



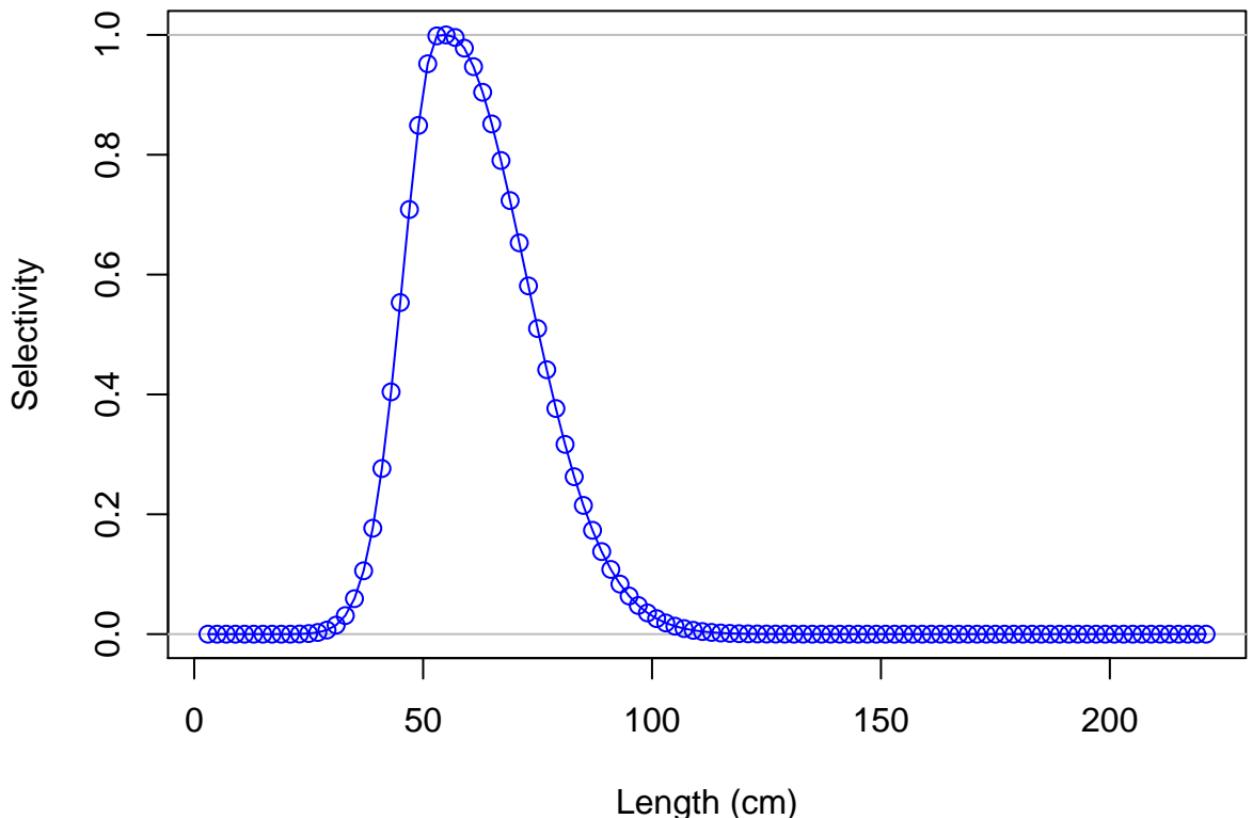
Male ending year selectivity for A3–OBJ



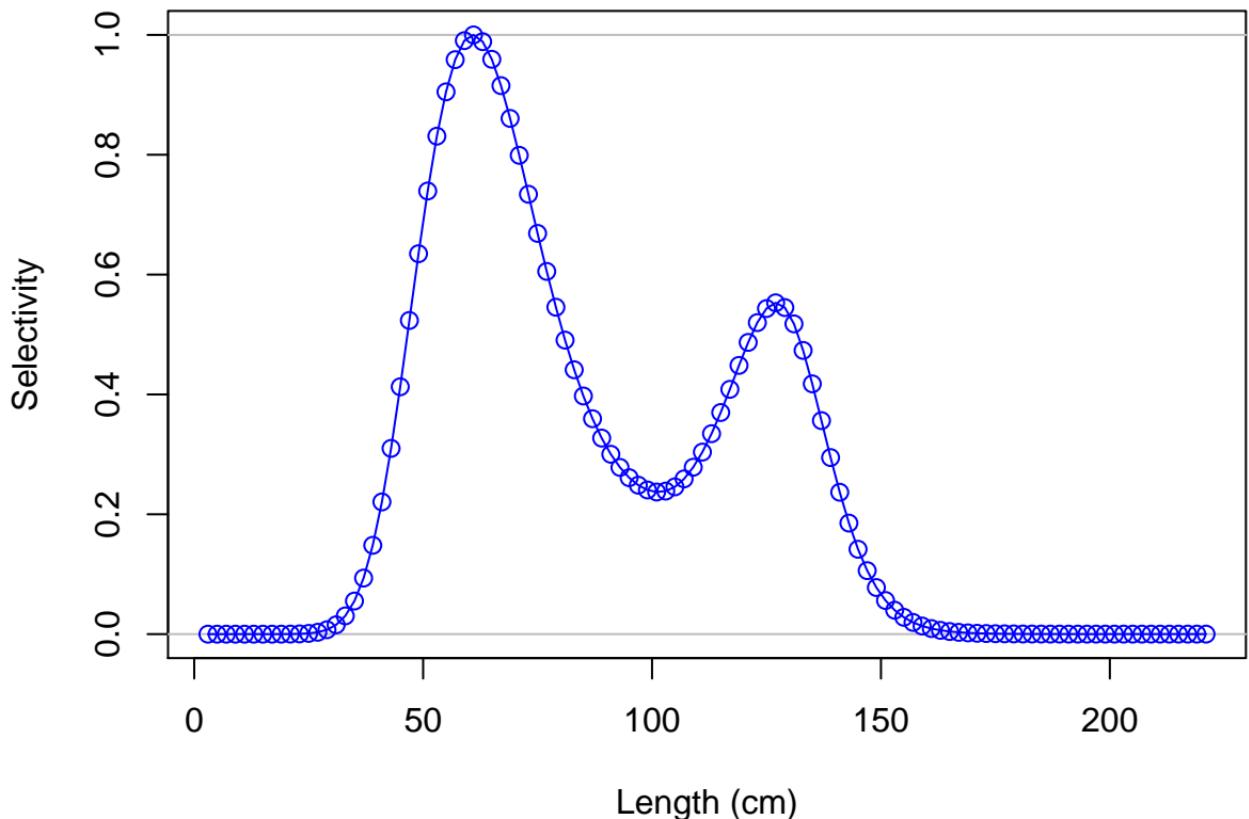
Female ending year selectivity for A4-OBJ



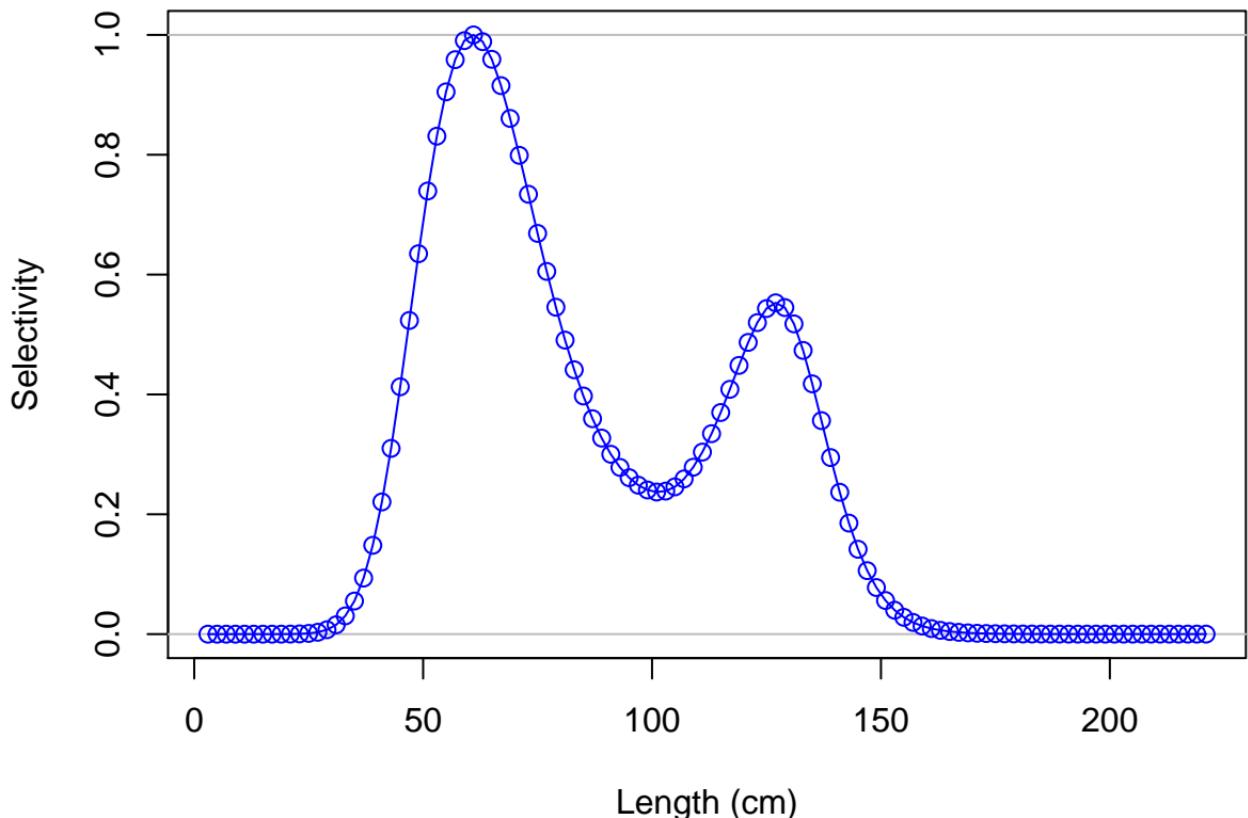
Male ending year selectivity for A4–OBJ



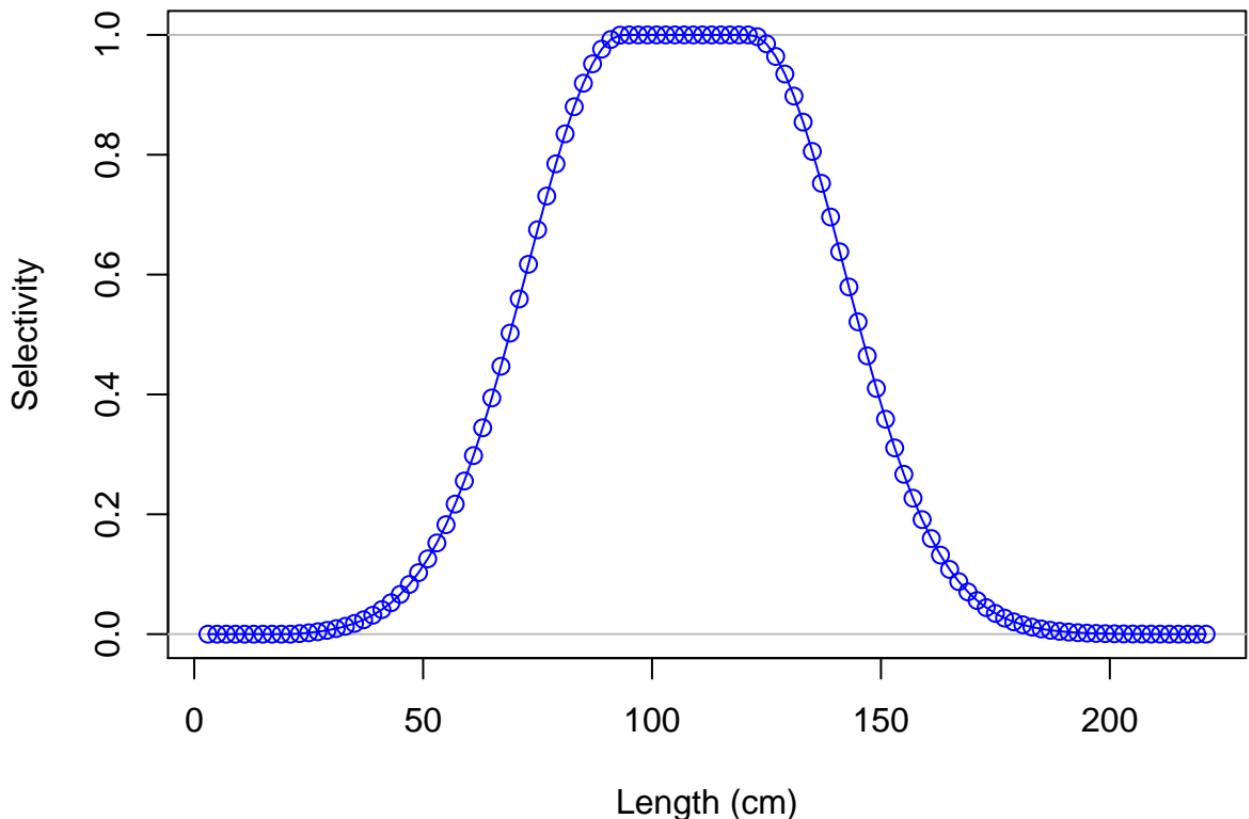
Female ending year selectivity for A5-OBJ



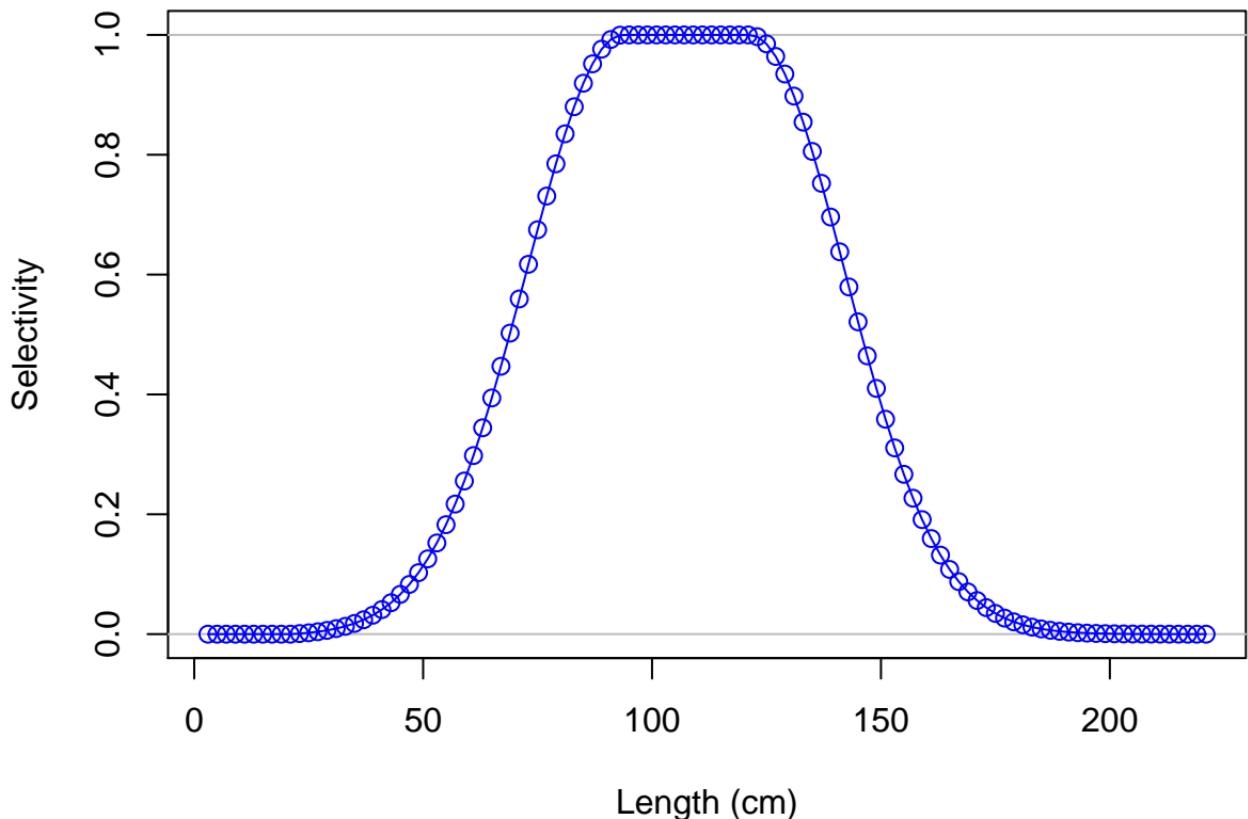
Male ending year selectivity for A5–OBJ



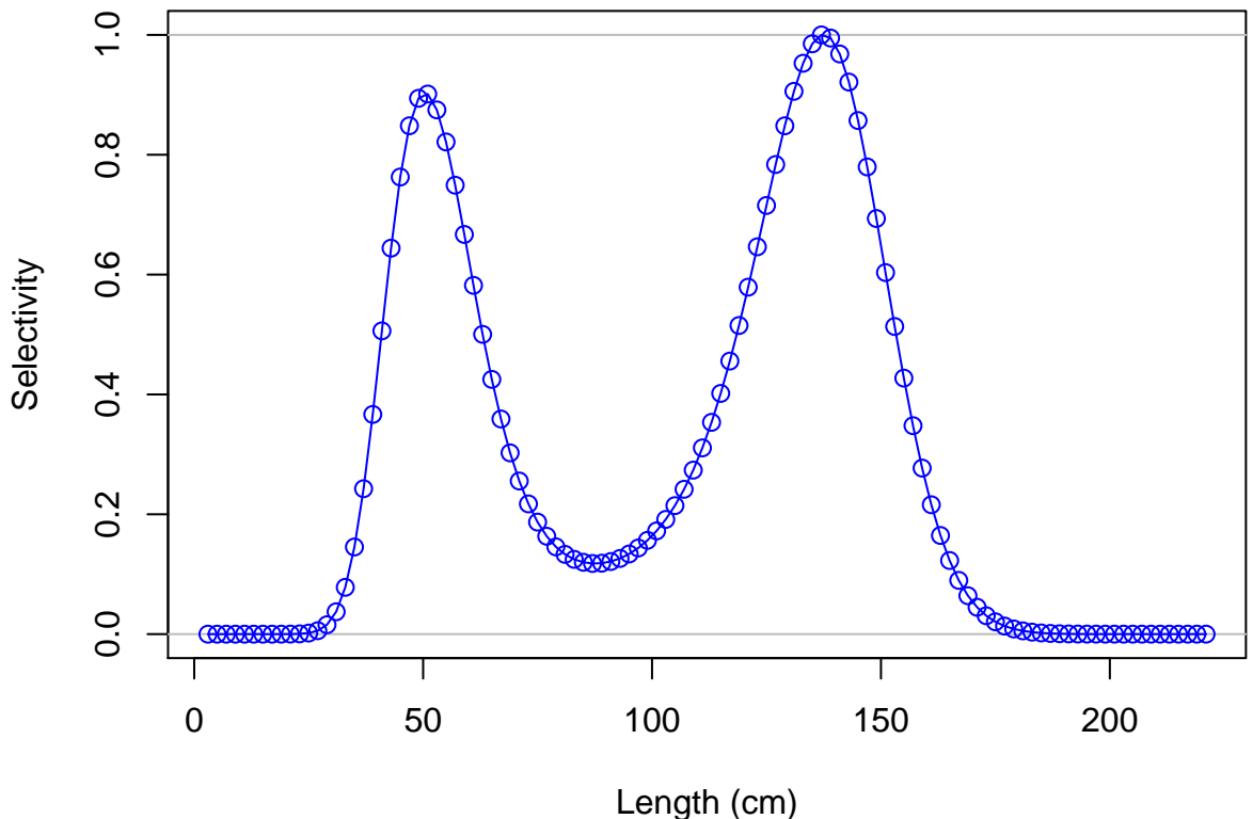
Female ending year selectivity for A6-OBJ



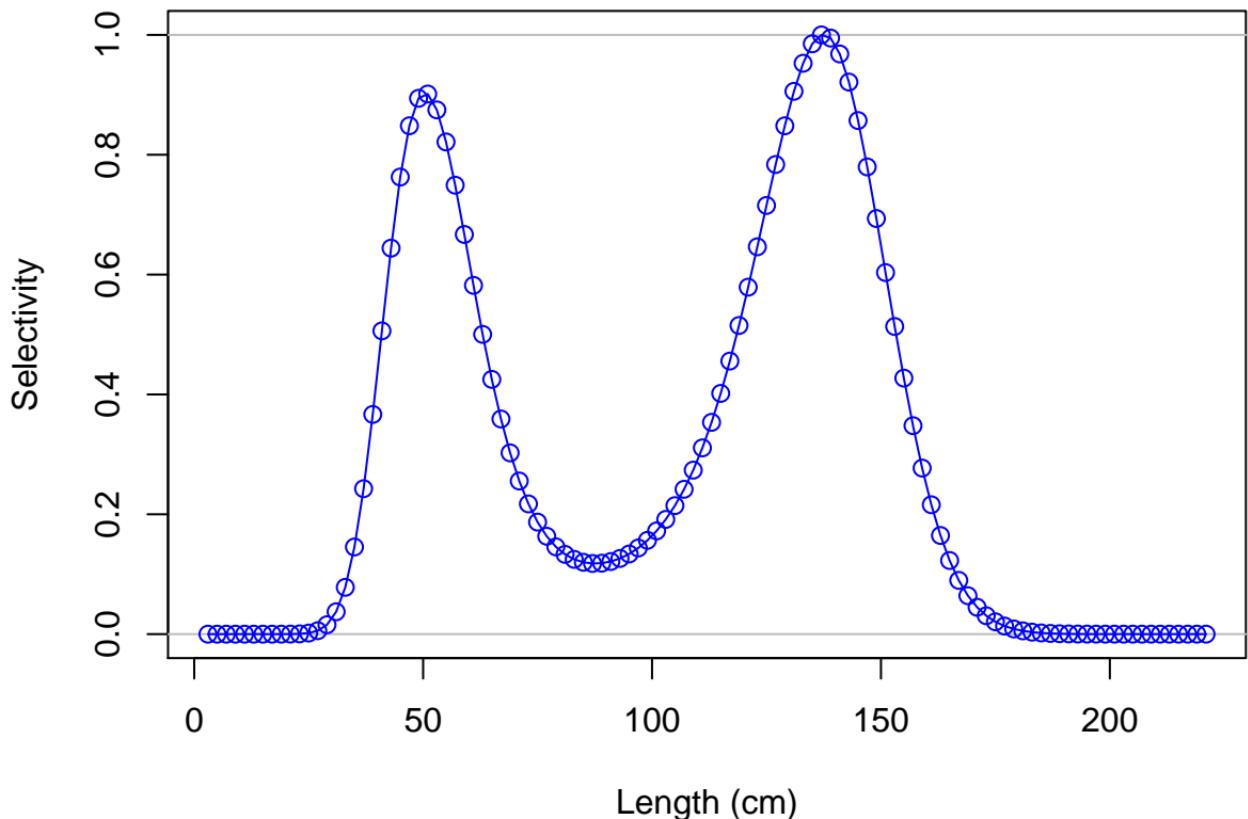
Male ending year selectivity for A6–OBJ



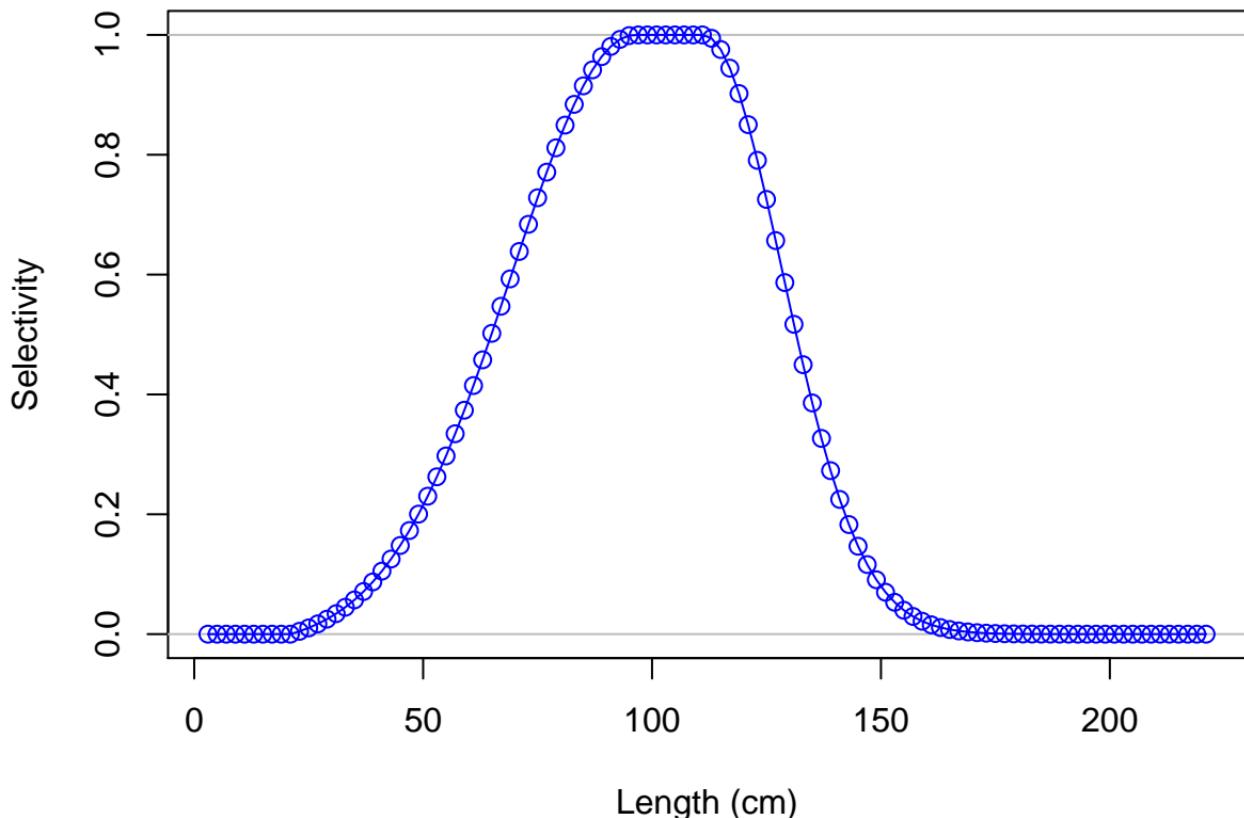
Female ending year selectivity for A2–NOADEL



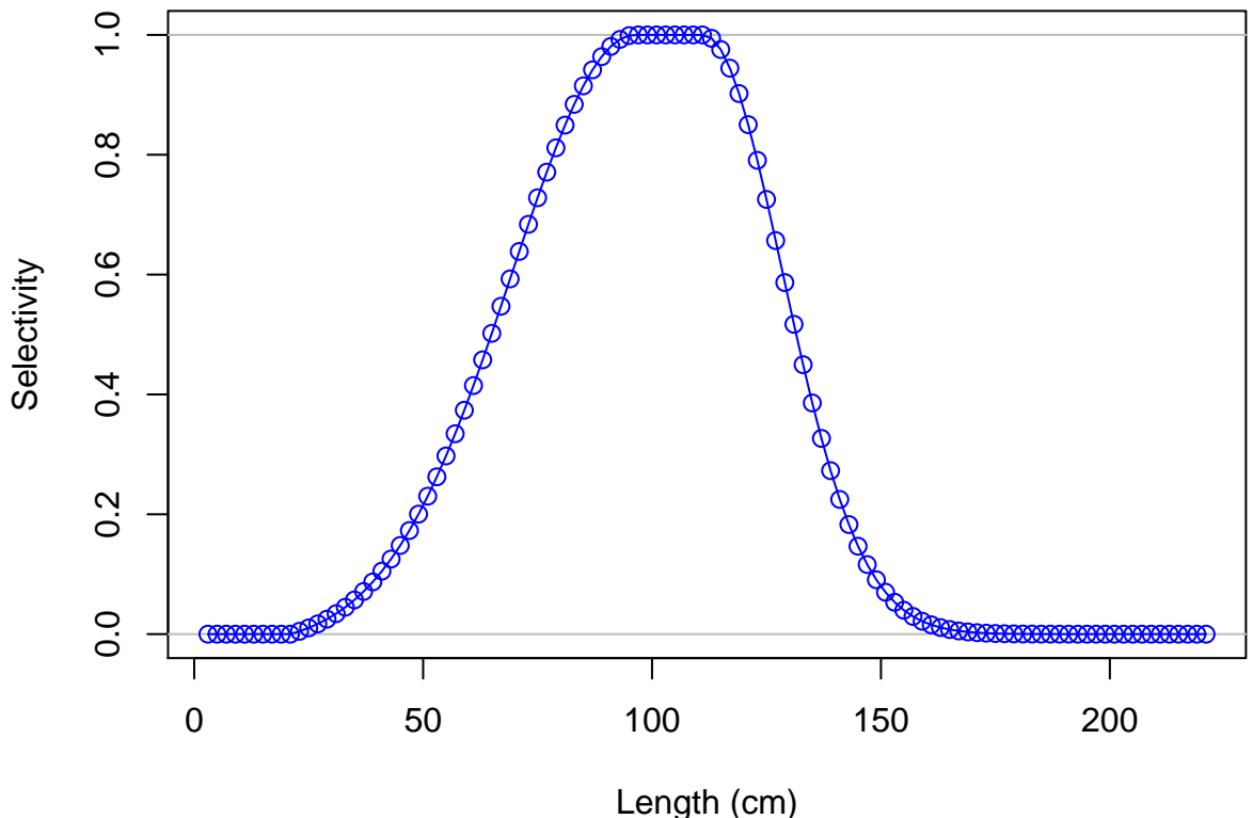
Male ending year selectivity for A2-NOADEL



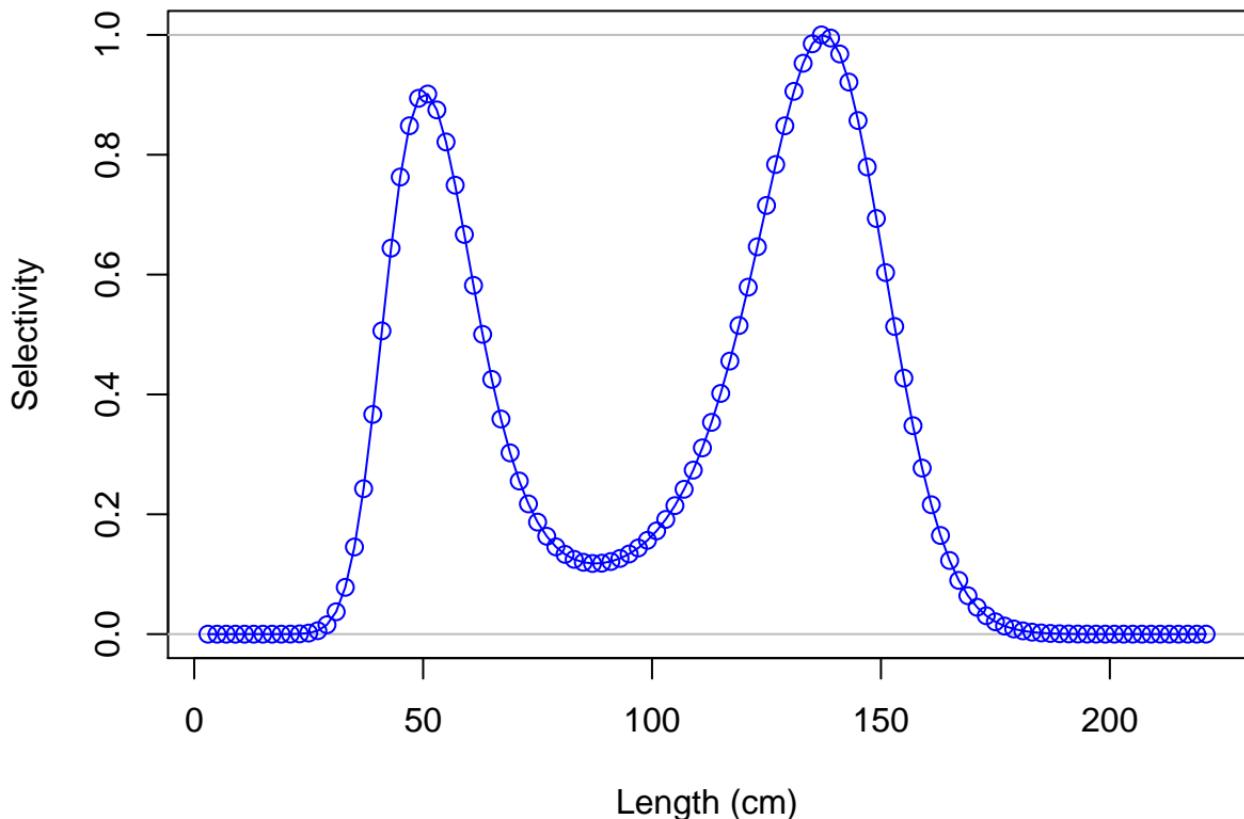
Female ending year selectivity for A3–NOADEL



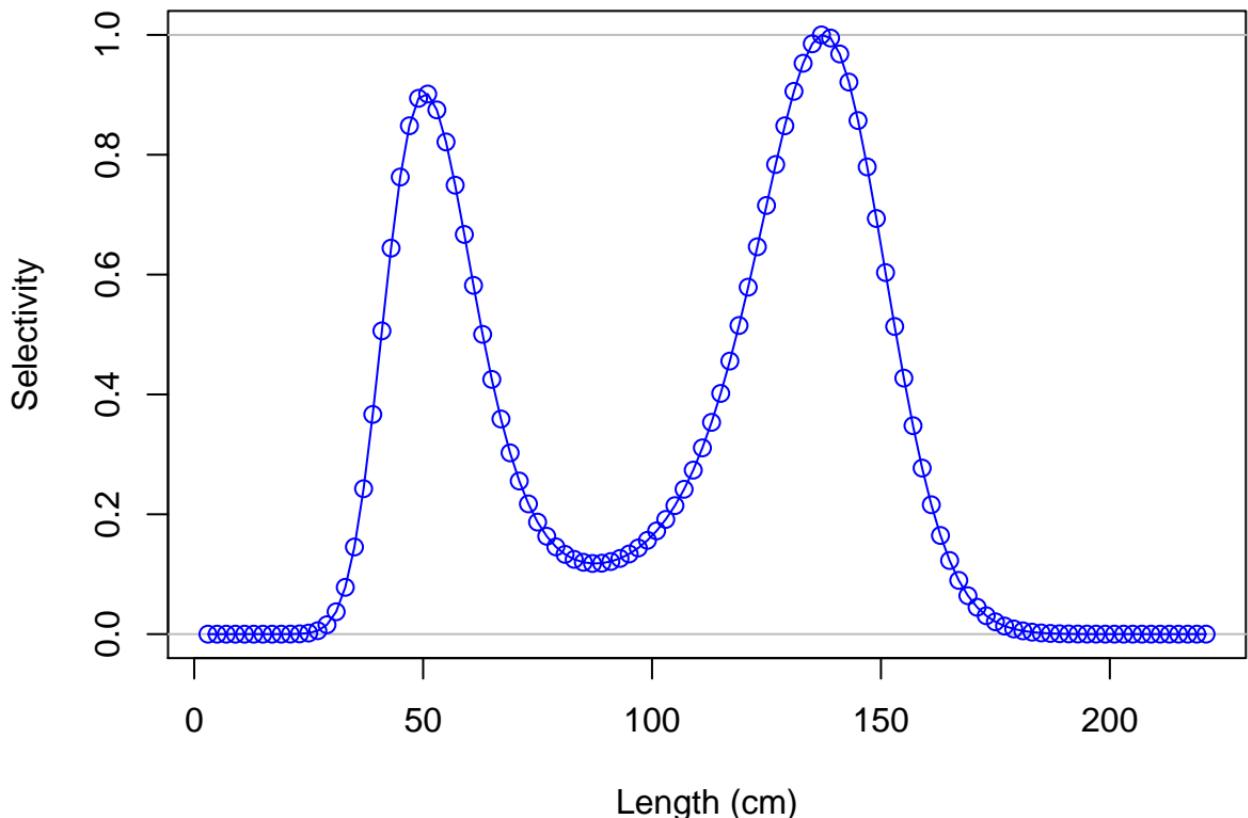
Male ending year selectivity for A3-NOADEL



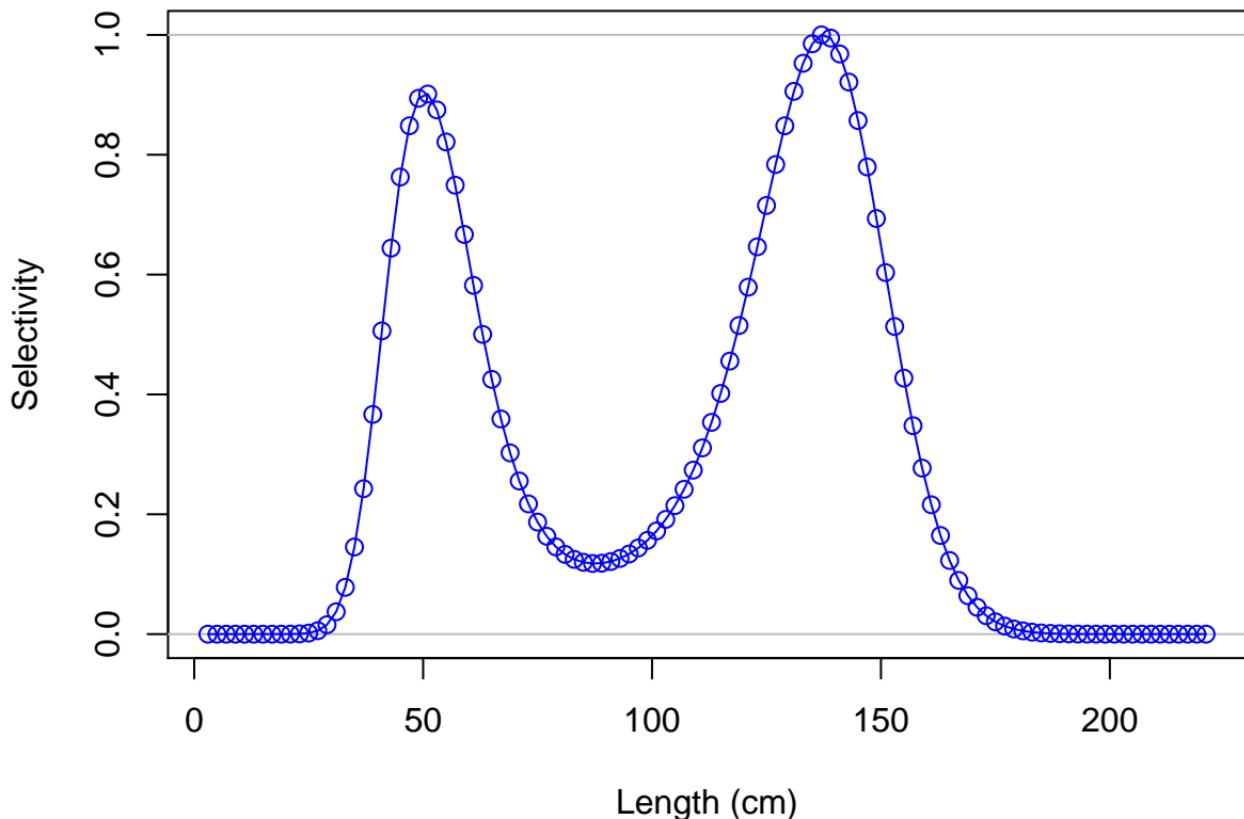
Female ending year selectivity for A4–NOADEL



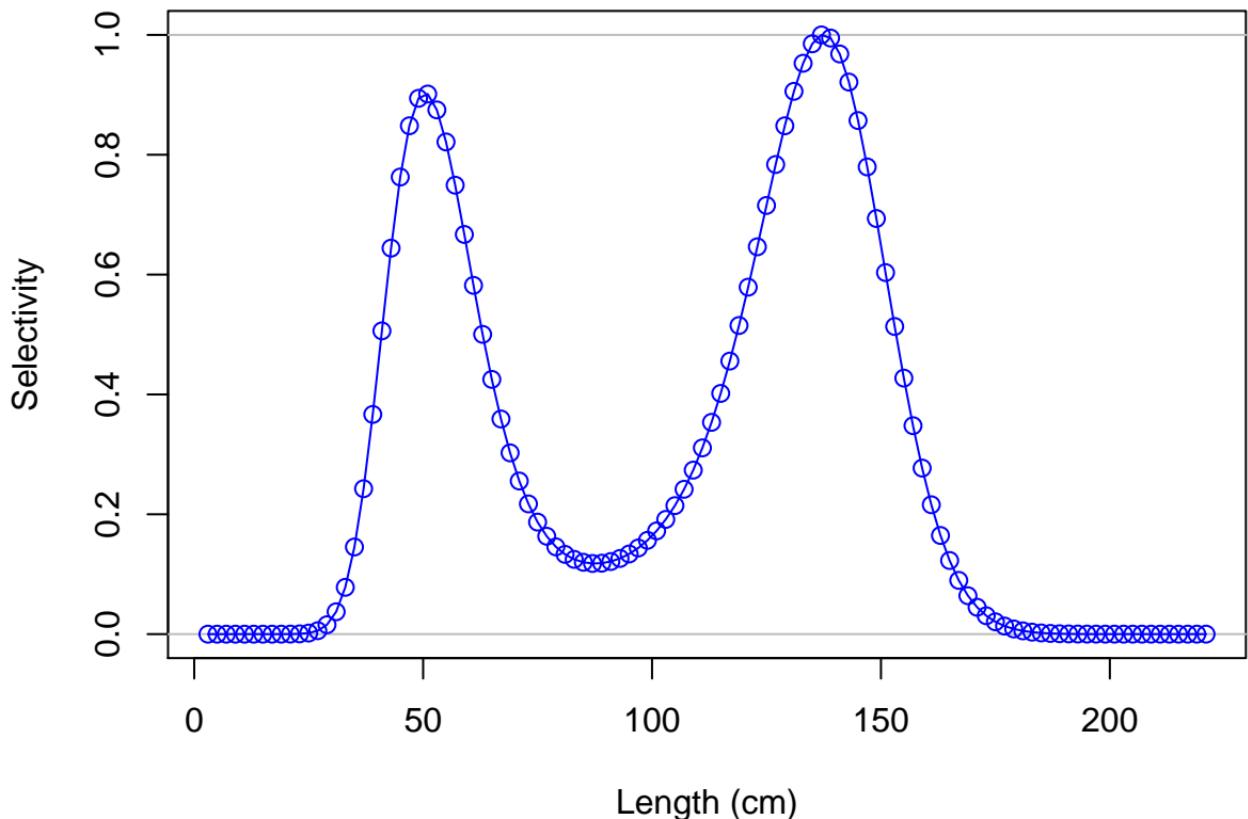
Male ending year selectivity for A4–NOADEL



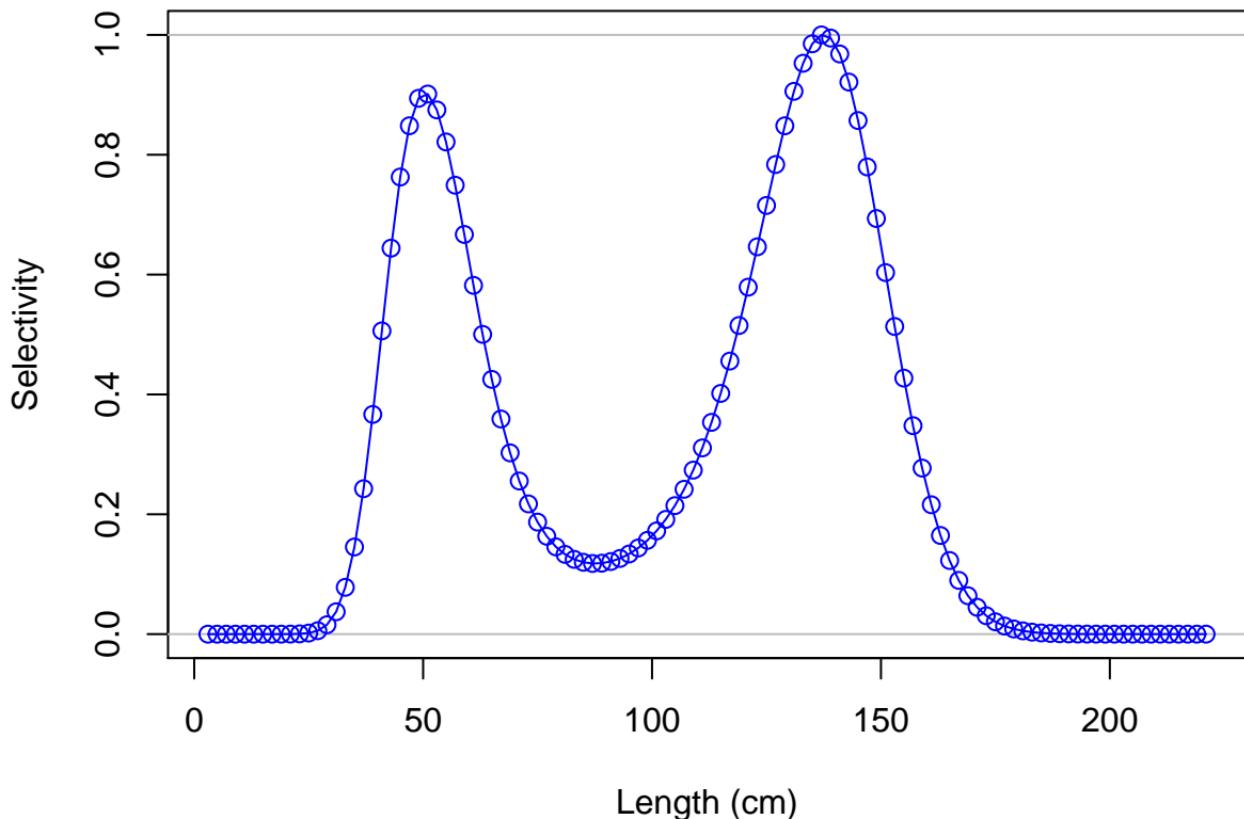
Female ending year selectivity for A5–NOADEL



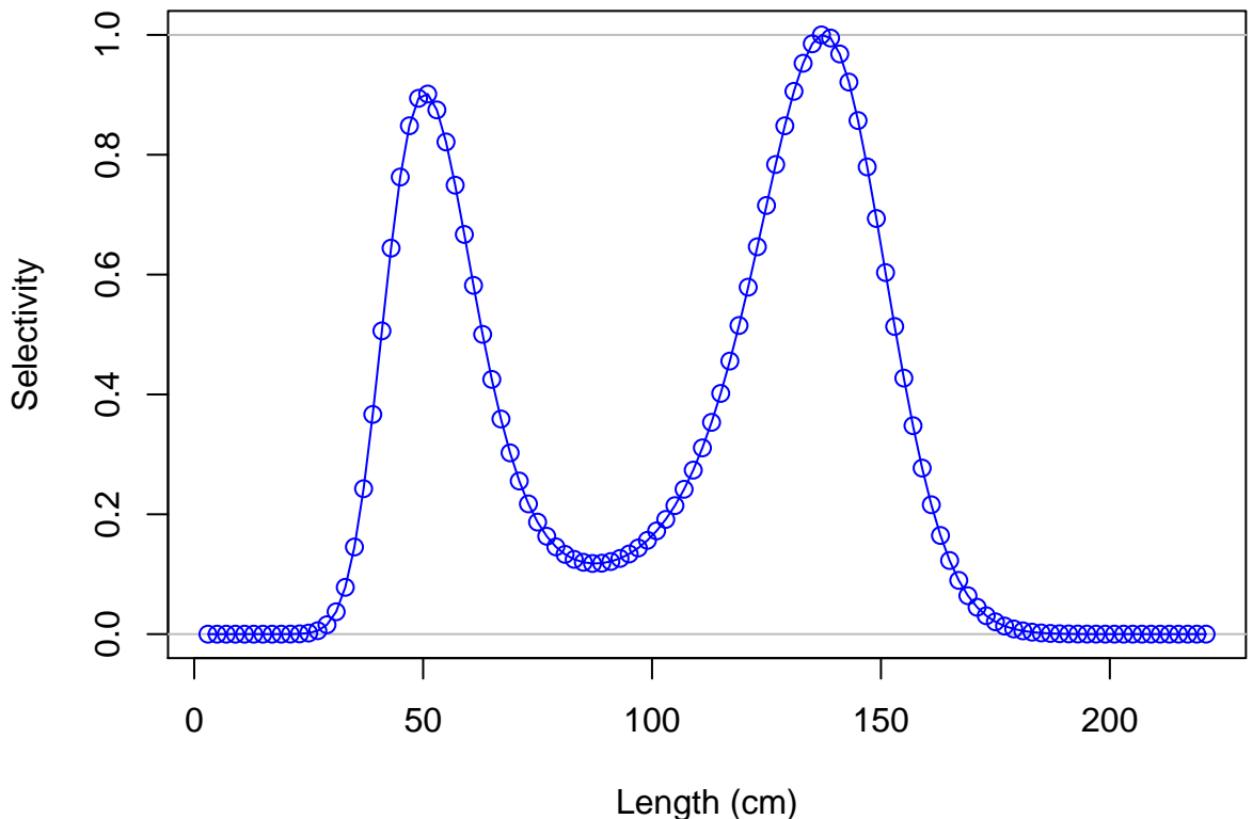
Male ending year selectivity for A5-NOADEL



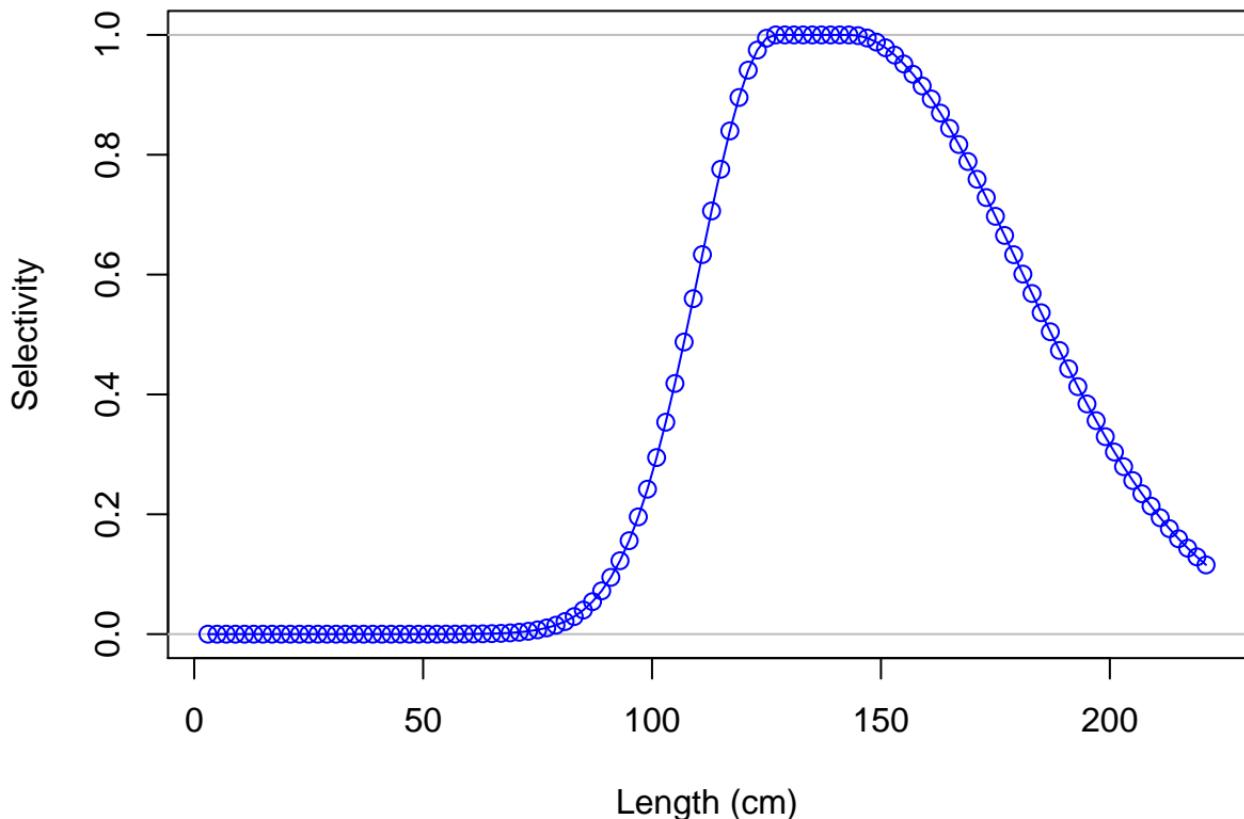
Female ending year selectivity for A6–NOADEL



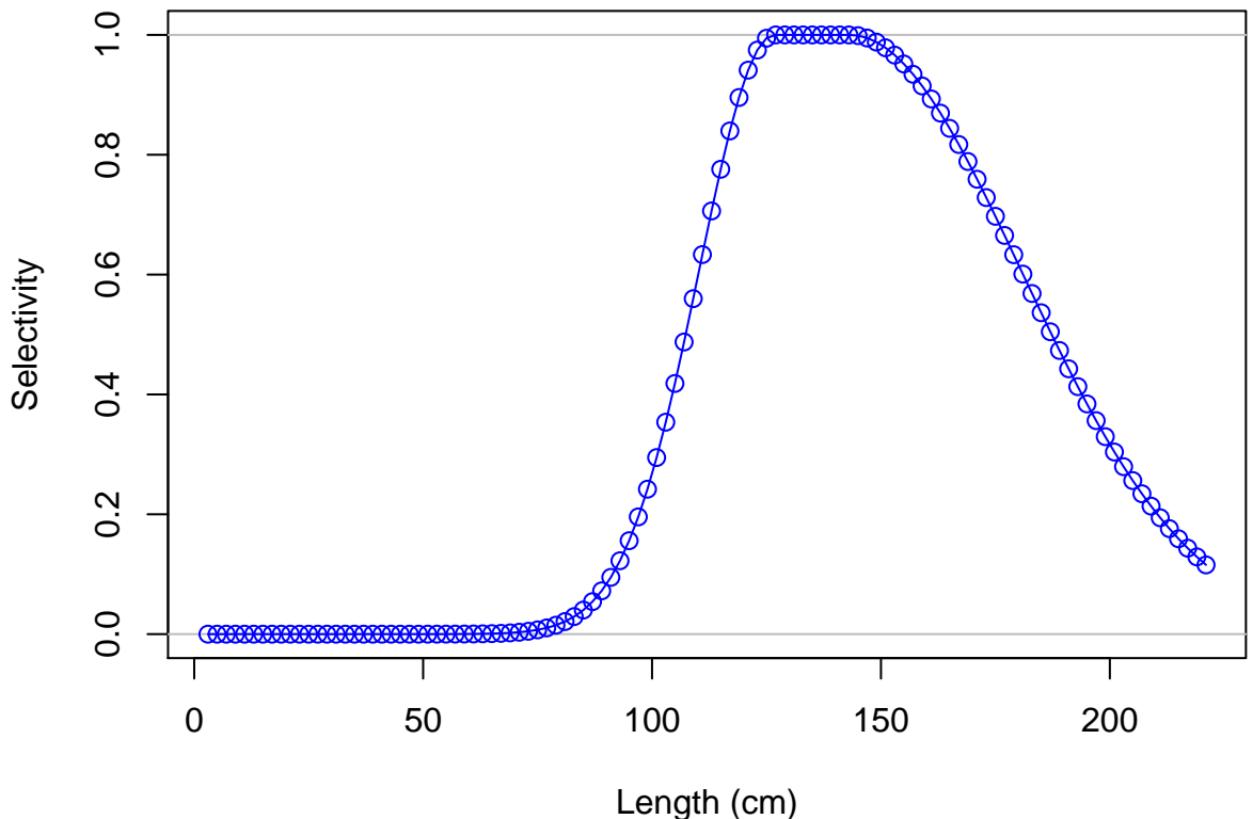
Male ending year selectivity for A6-NOADEL



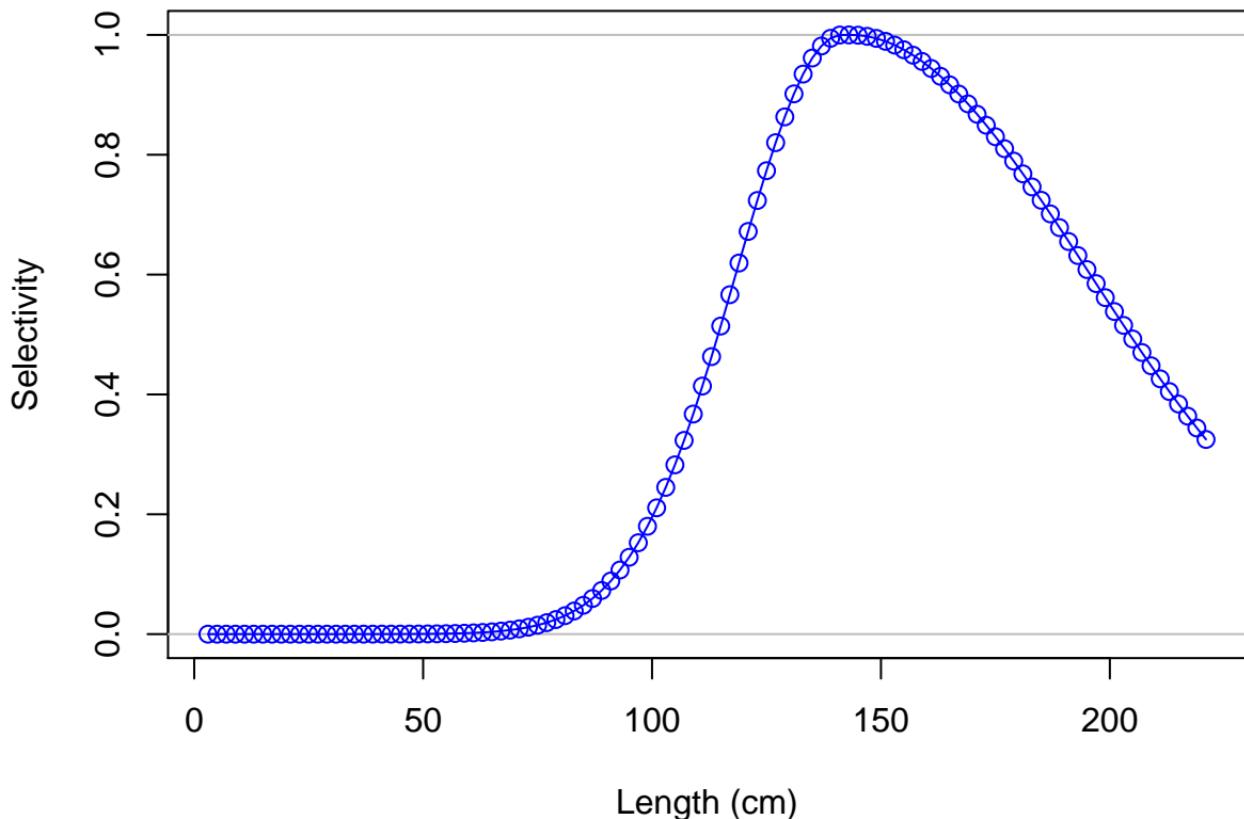
Female ending year selectivity for EPO-LL-survey-early



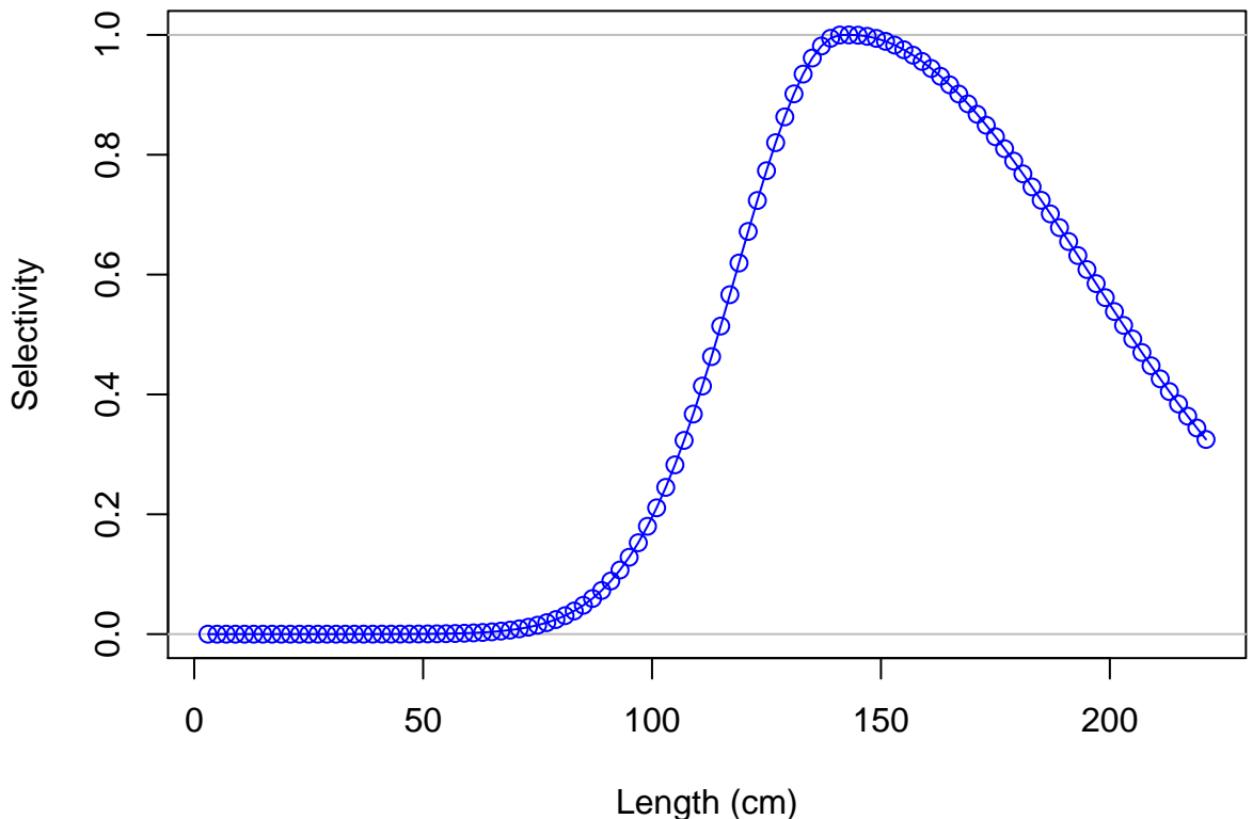
Male ending year selectivity for EPO-LL-survey-early



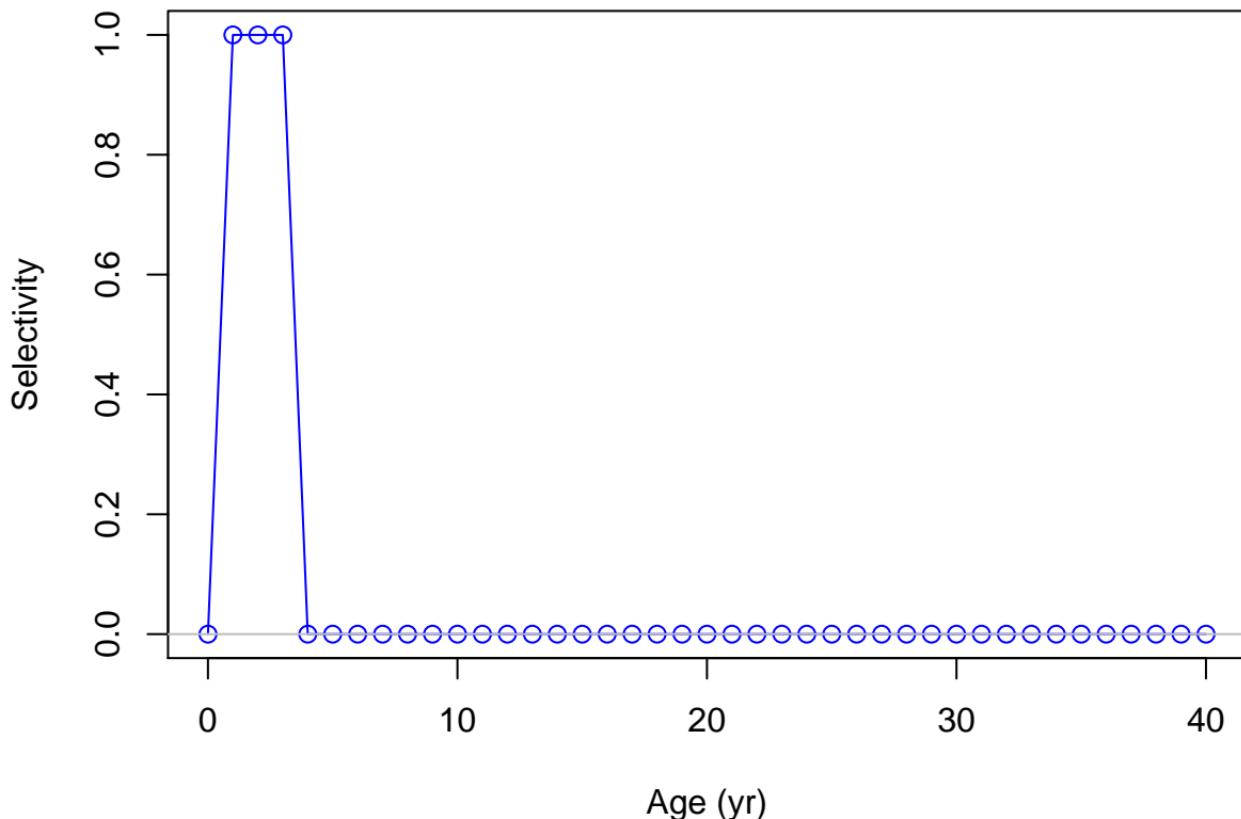
Female ending year selectivity for EPO-LL-survey-late



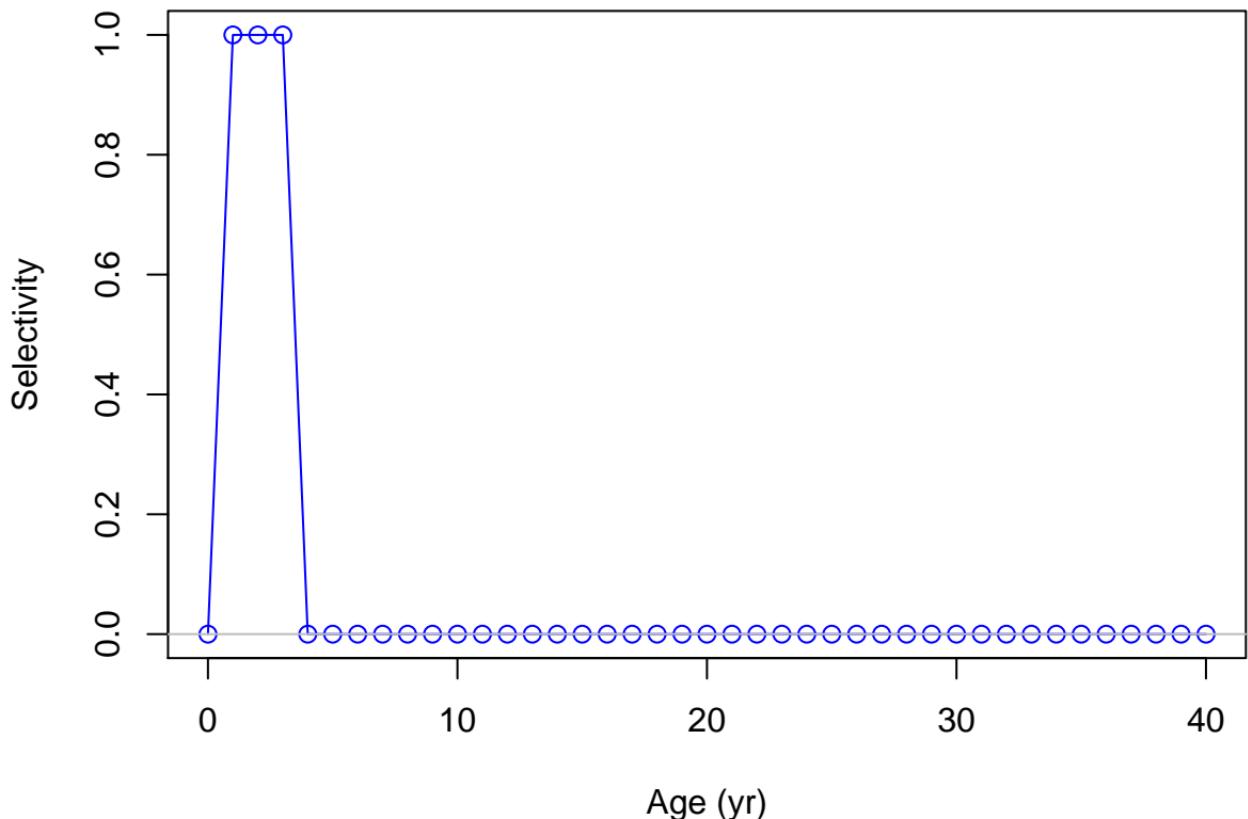
Male ending year selectivity for EPO-LL-survey-late



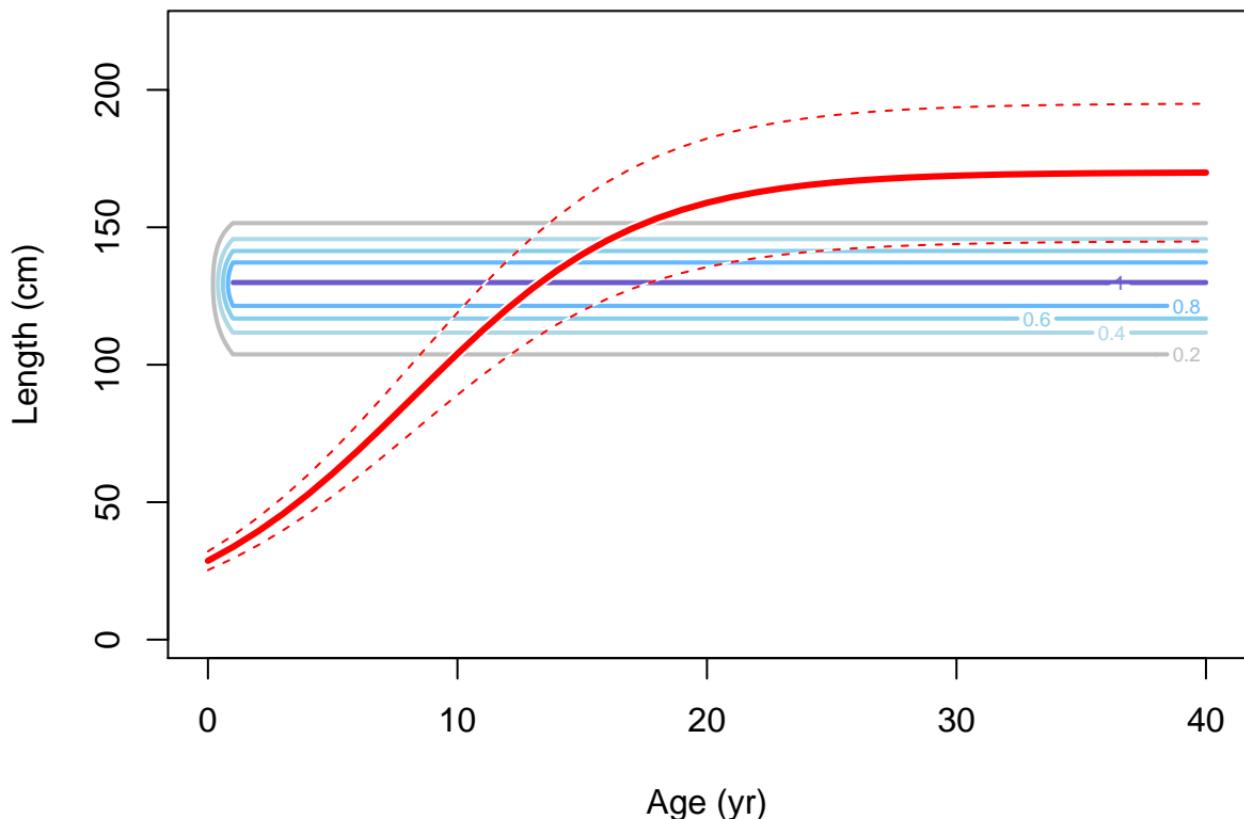
Female ending year selectivity for EPO–OBJ–Disc



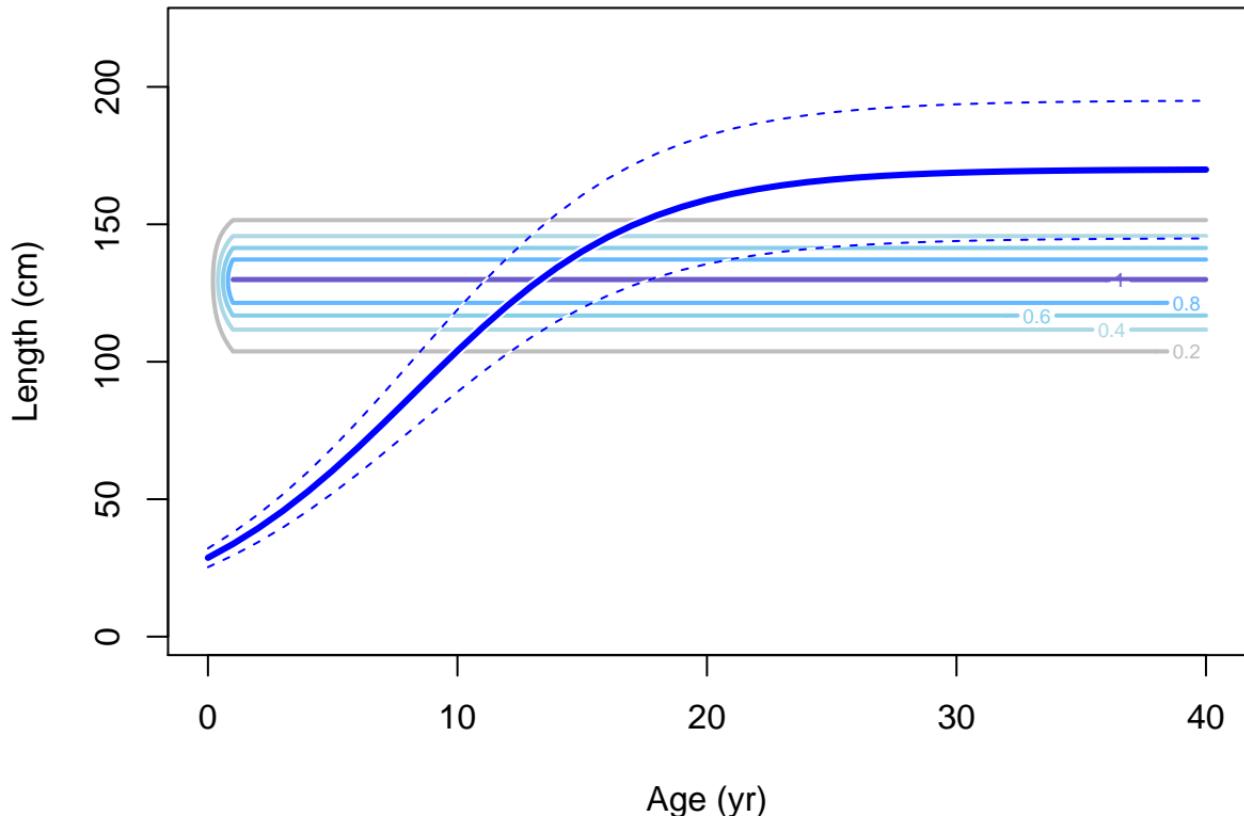
Male ending year selectivity for EPO-OBJ-Disc



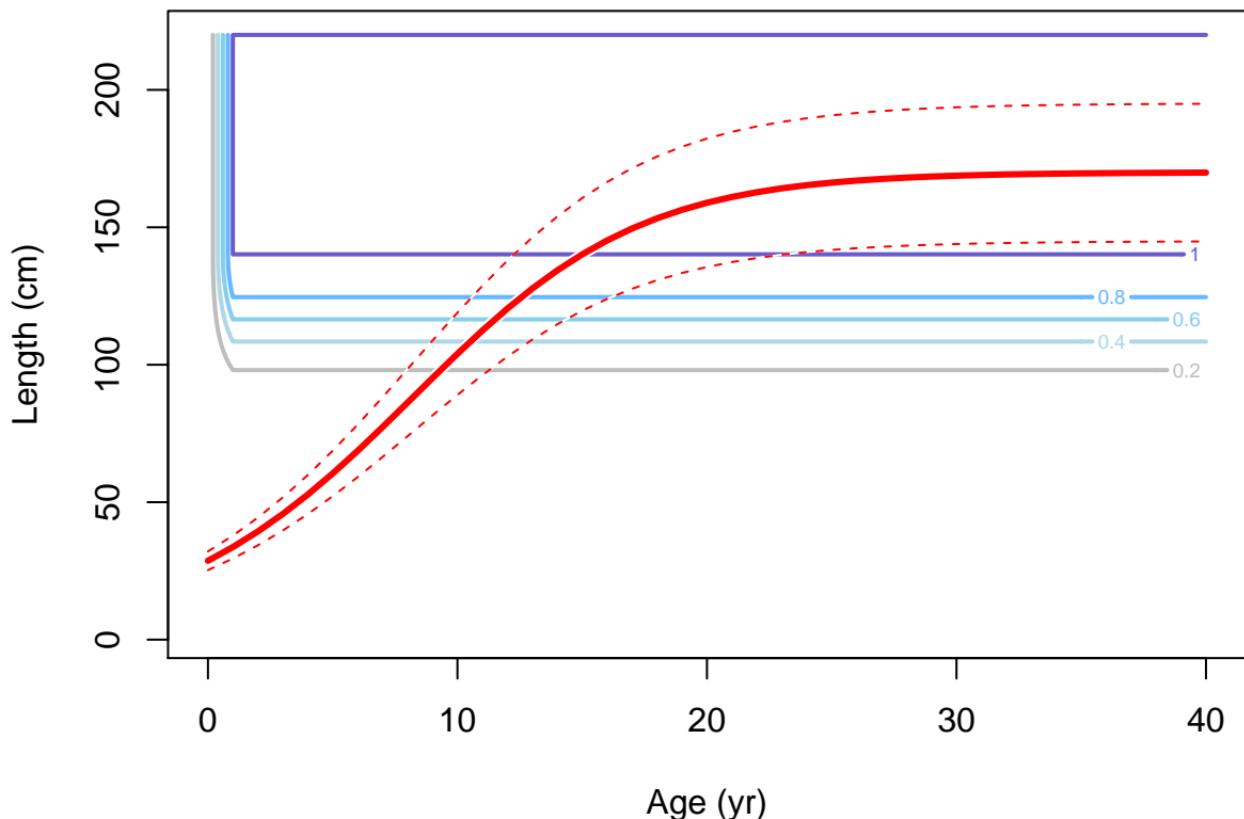
Female ending year selectivity and growth for A1-LL-n



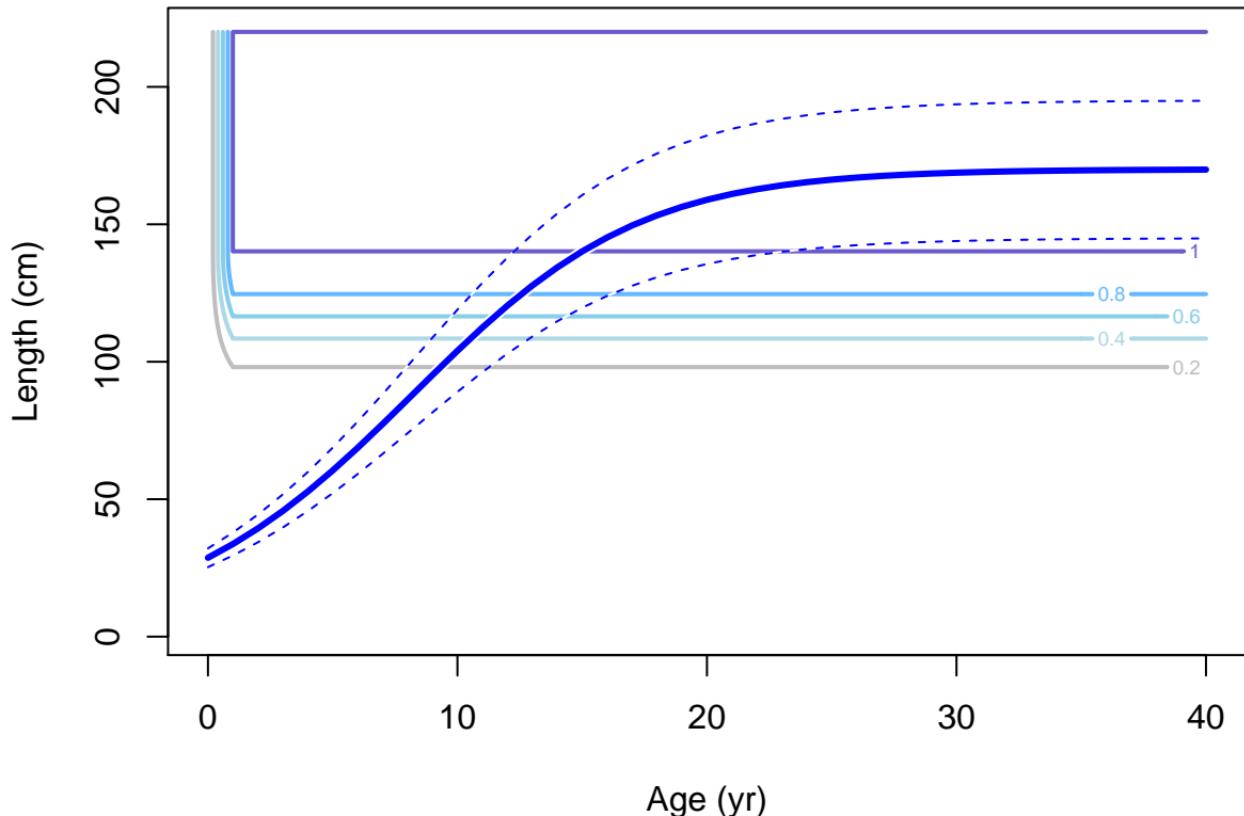
Male ending year selectivity and growth for A1-LL-n



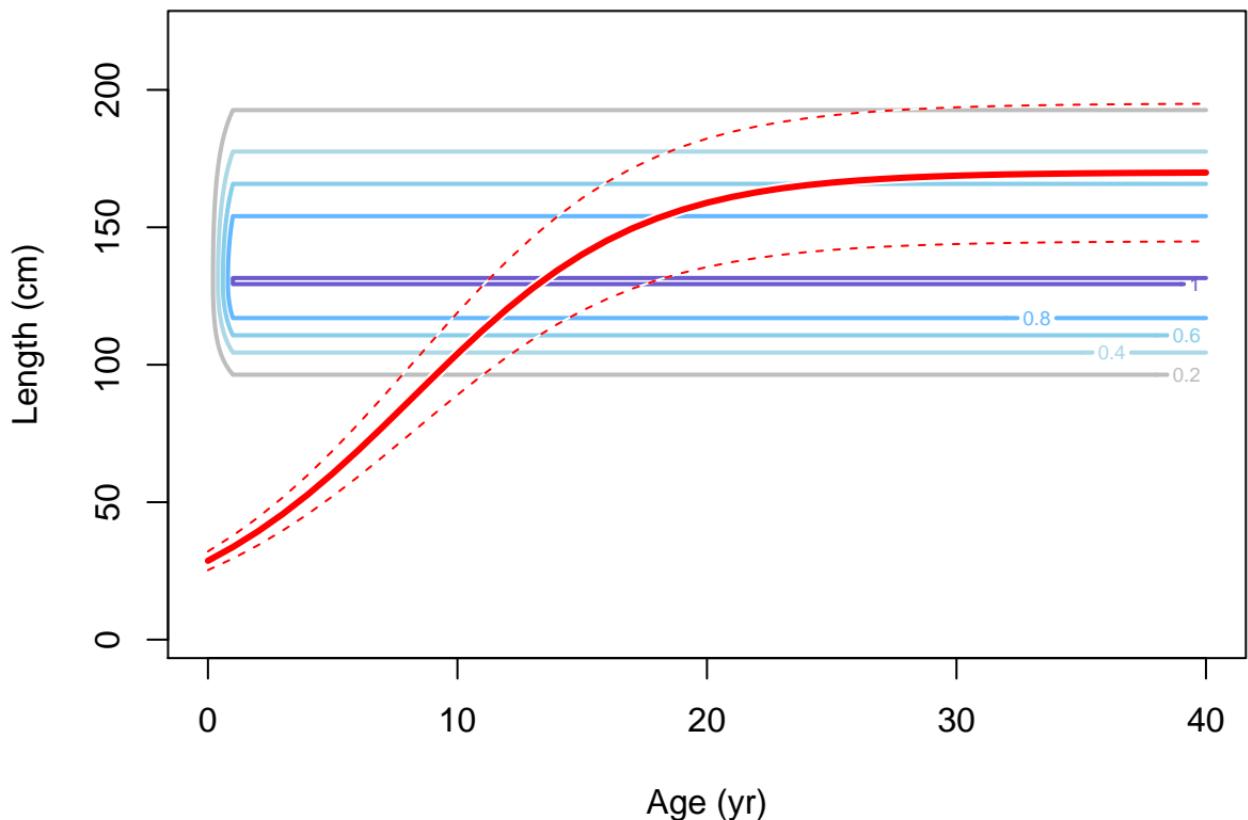
Female ending year selectivity and growth for A2-LL-n



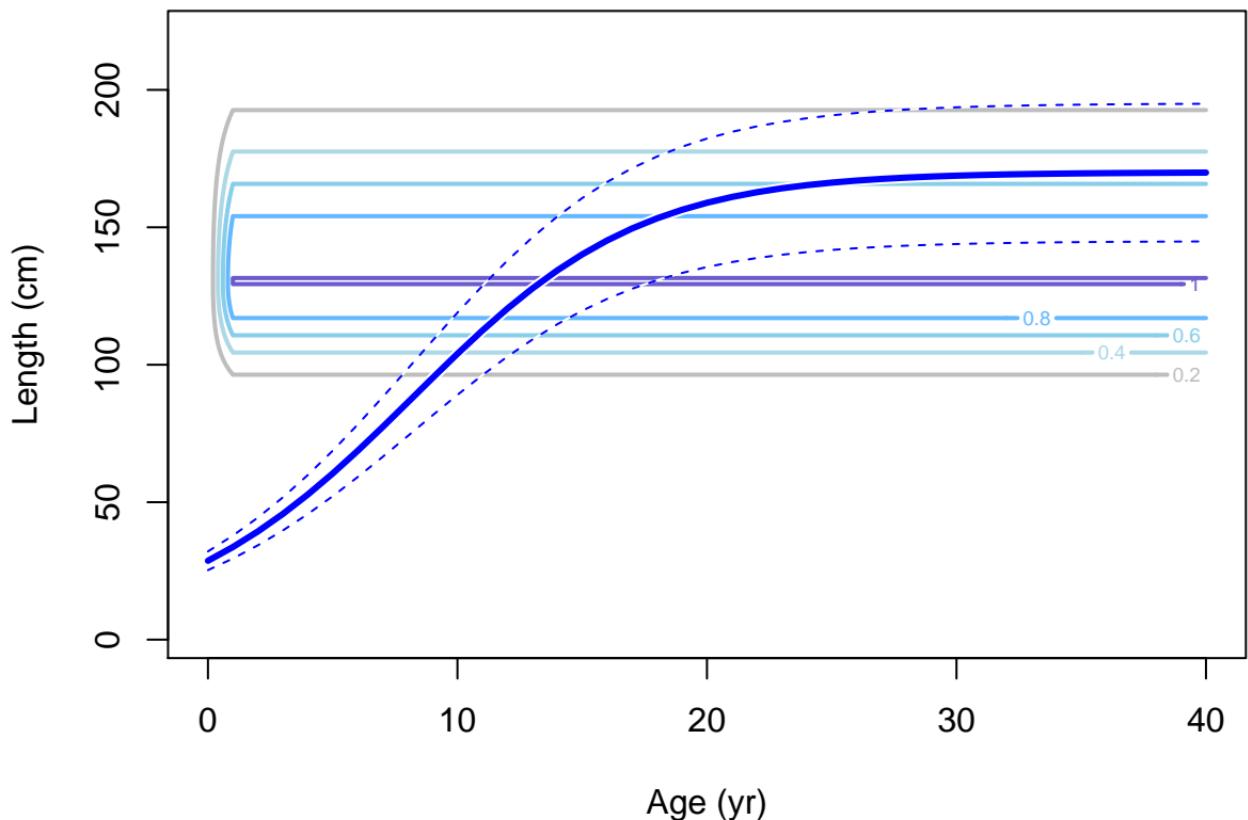
Male ending year selectivity and growth for A2-LL-n



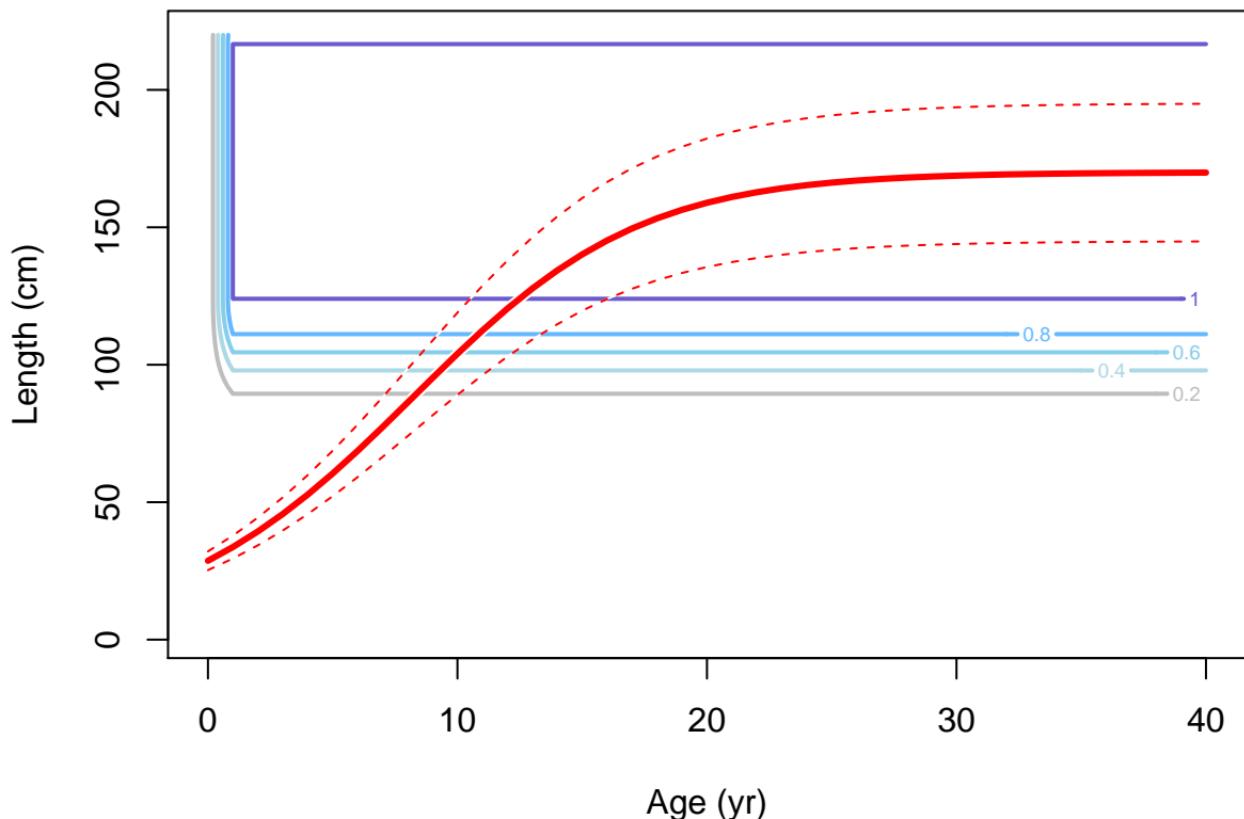
Female ending year selectivity and growth for A3-LL-n



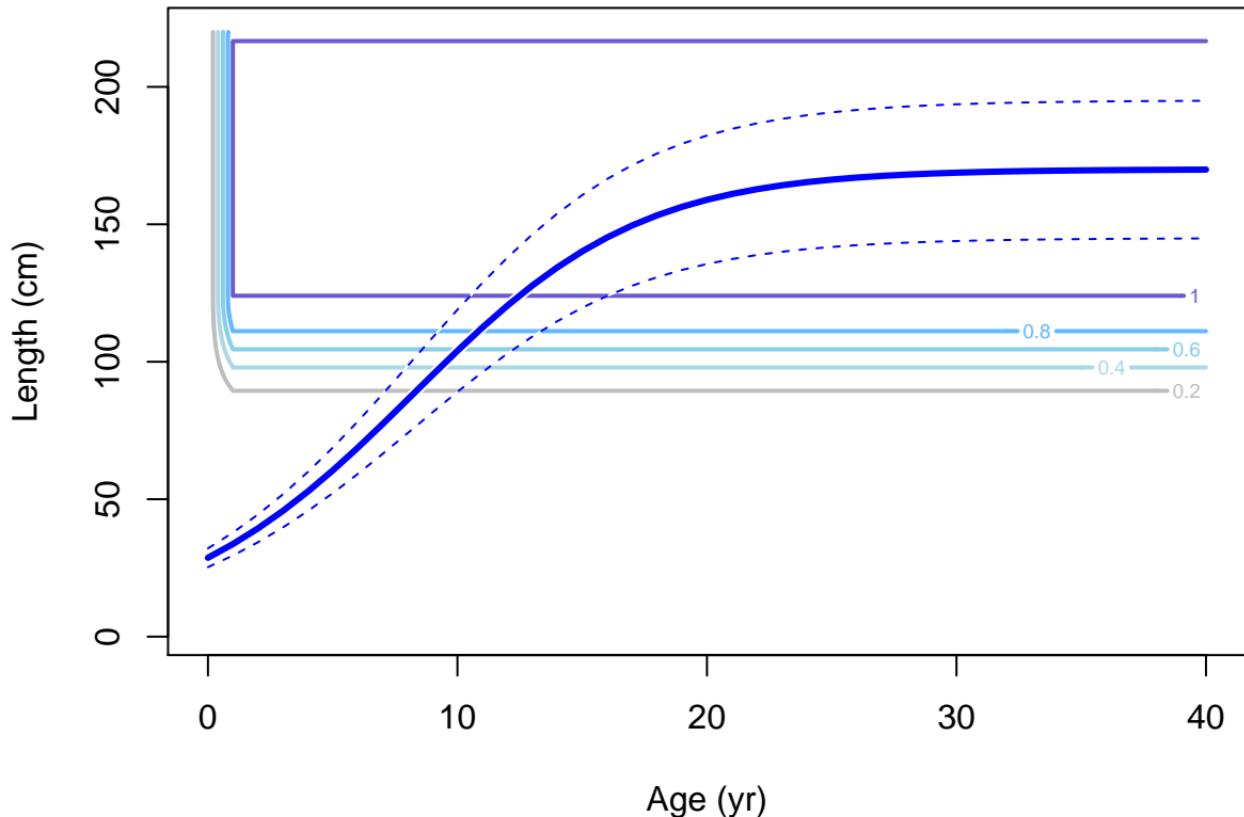
Male ending year selectivity and growth for A3-LL-n



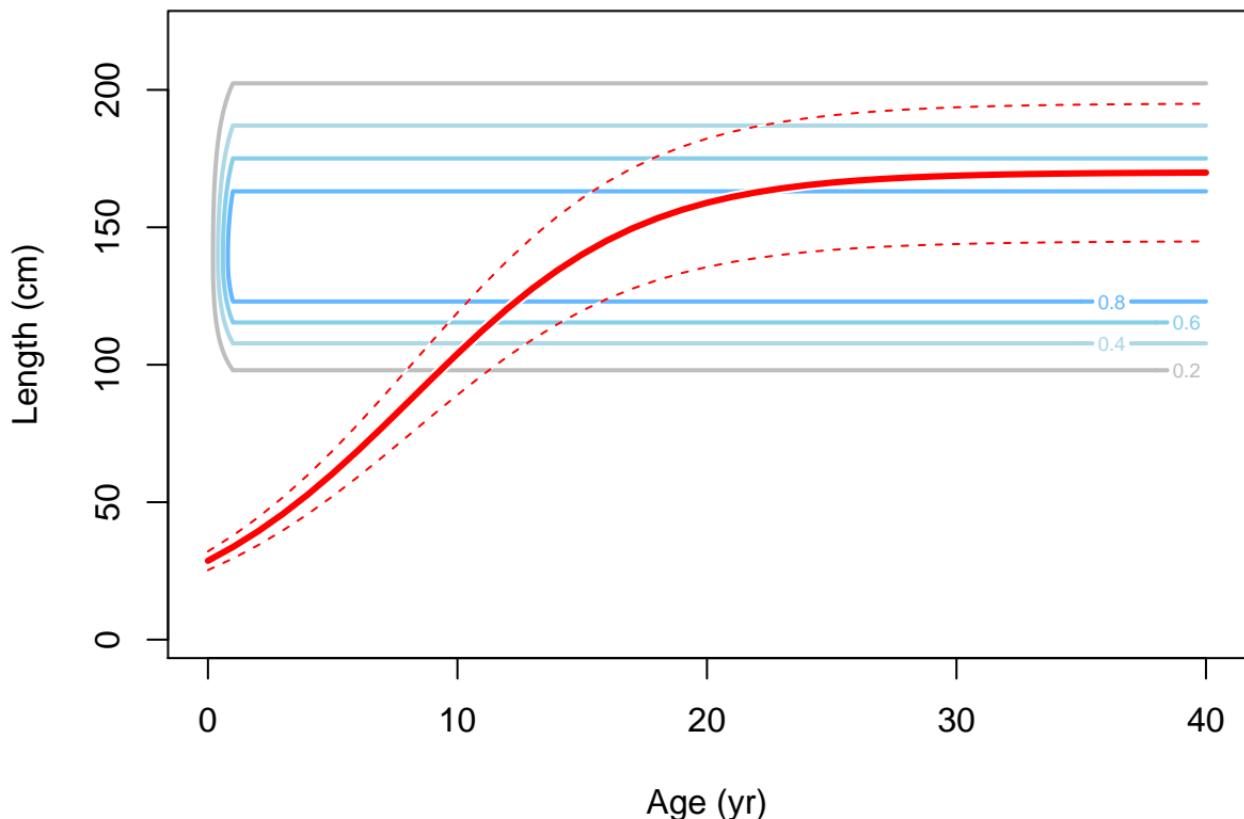
Female ending year selectivity and growth for A4-LL-n



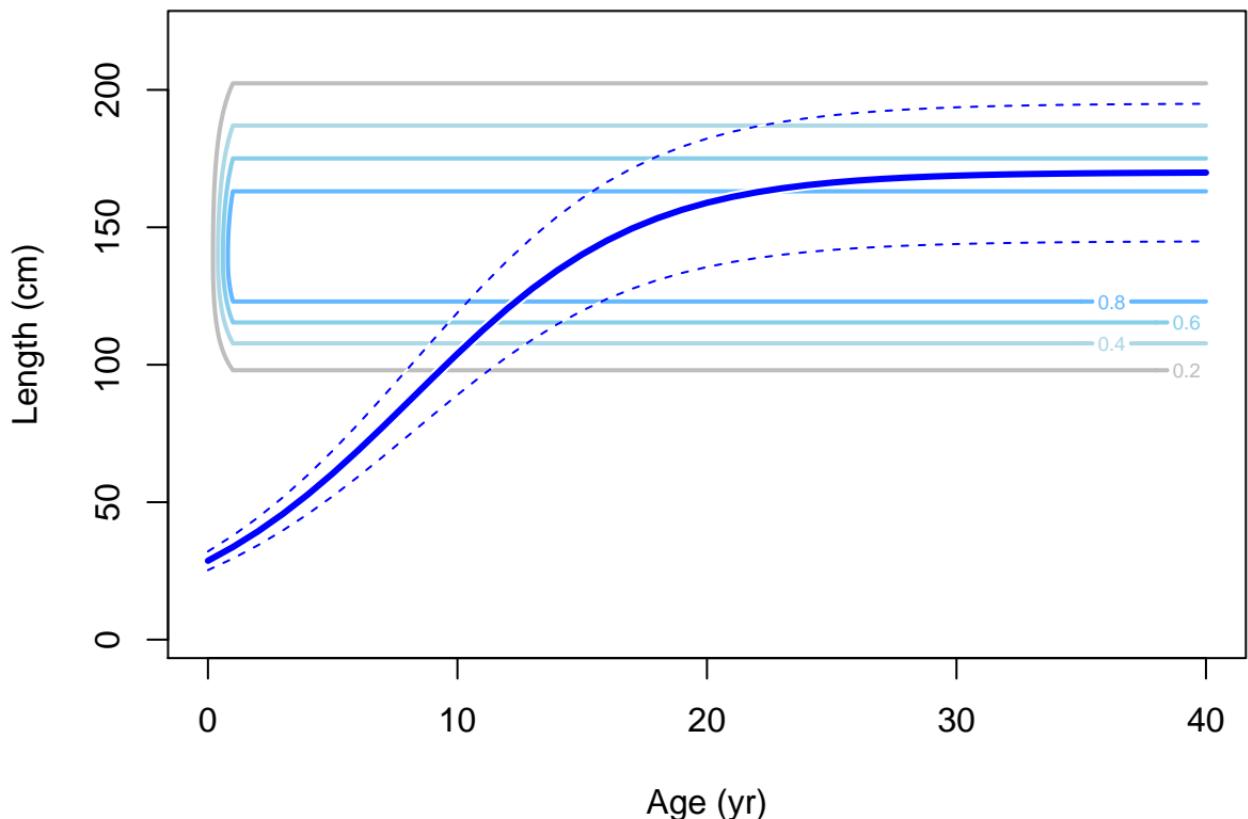
Male ending year selectivity and growth for A4-LL-n



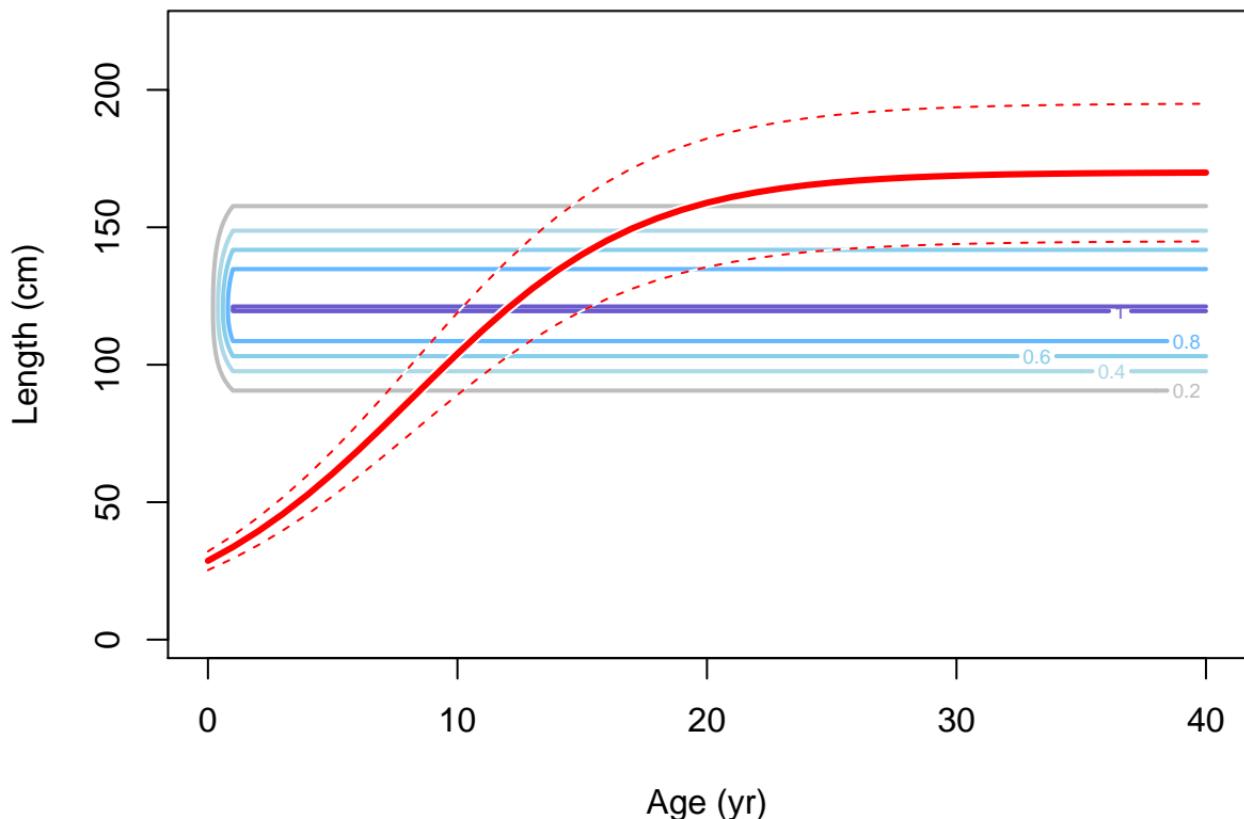
Female ending year selectivity and growth for A5-LL-n



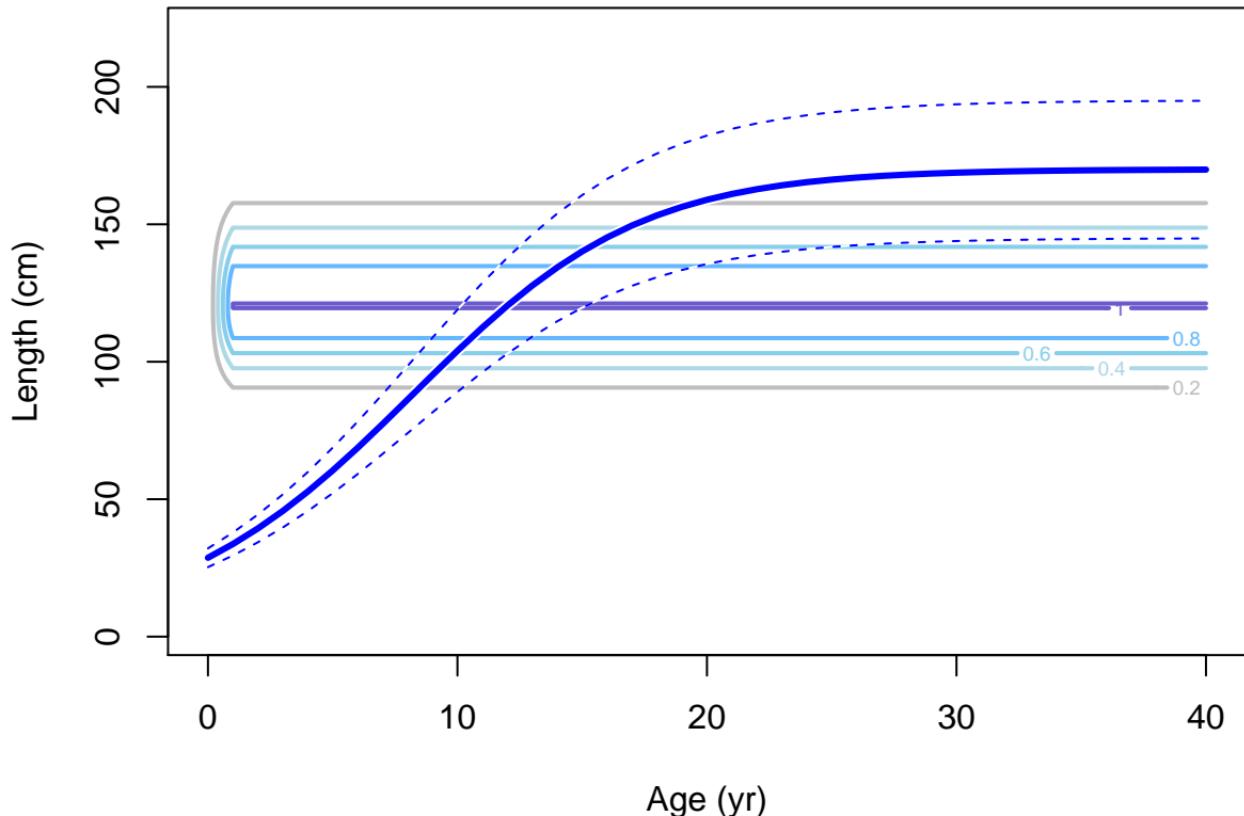
Male ending year selectivity and growth for A5-LL-n



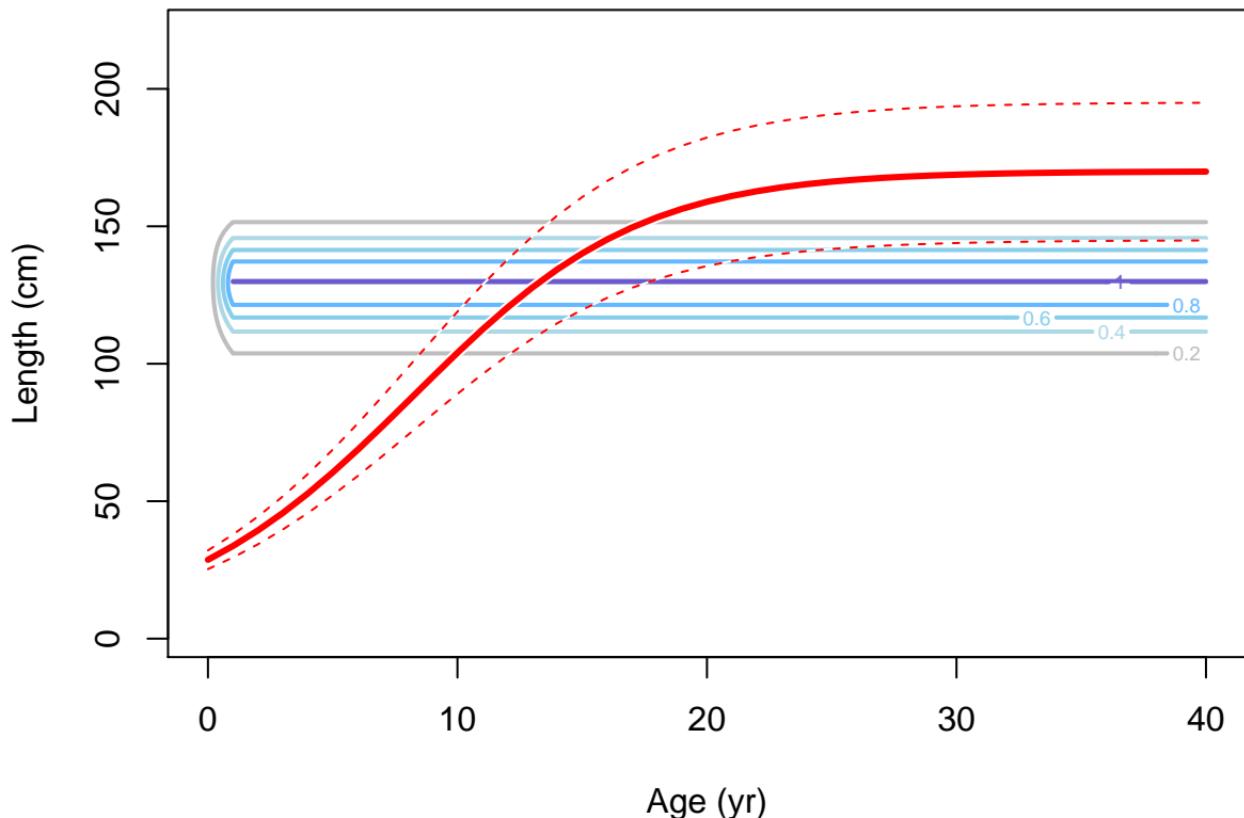
Female ending year selectivity and growth for A6-LL-n



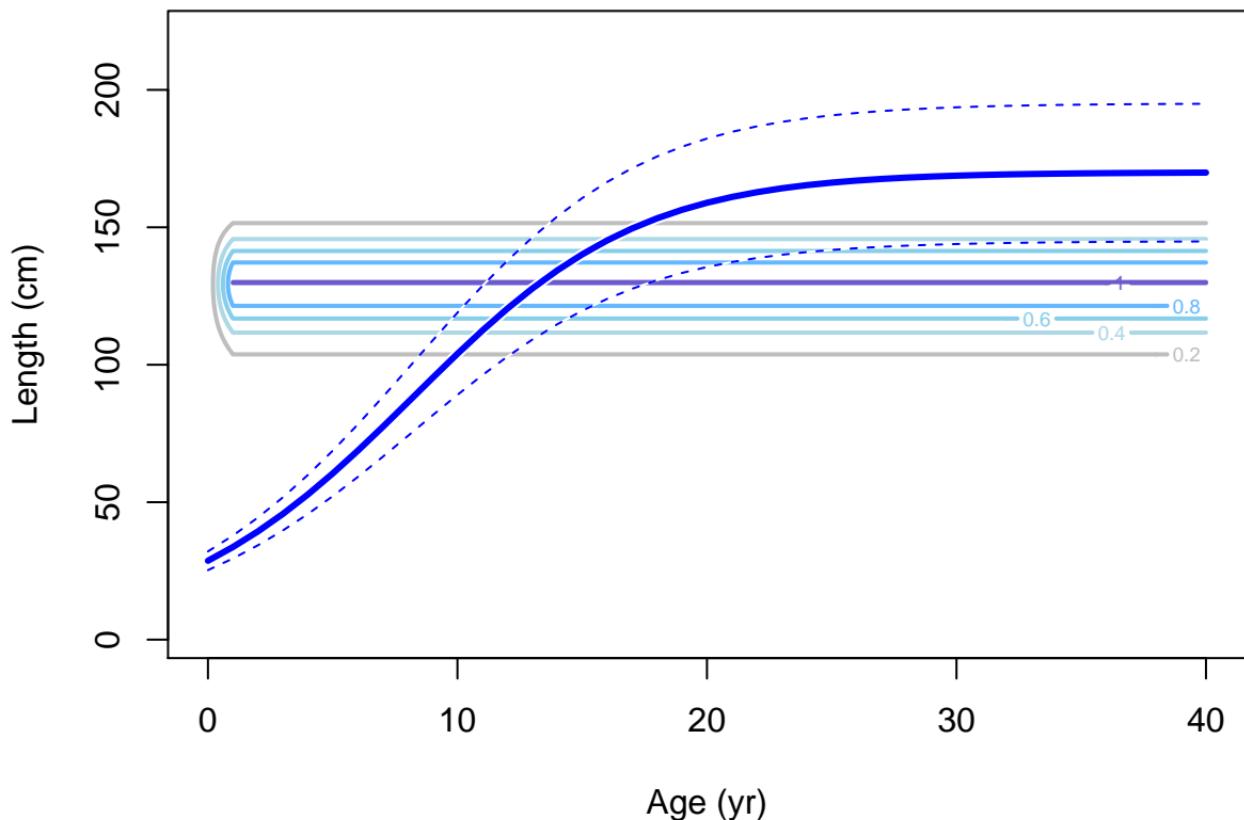
Male ending year selectivity and growth for A6-LL-n



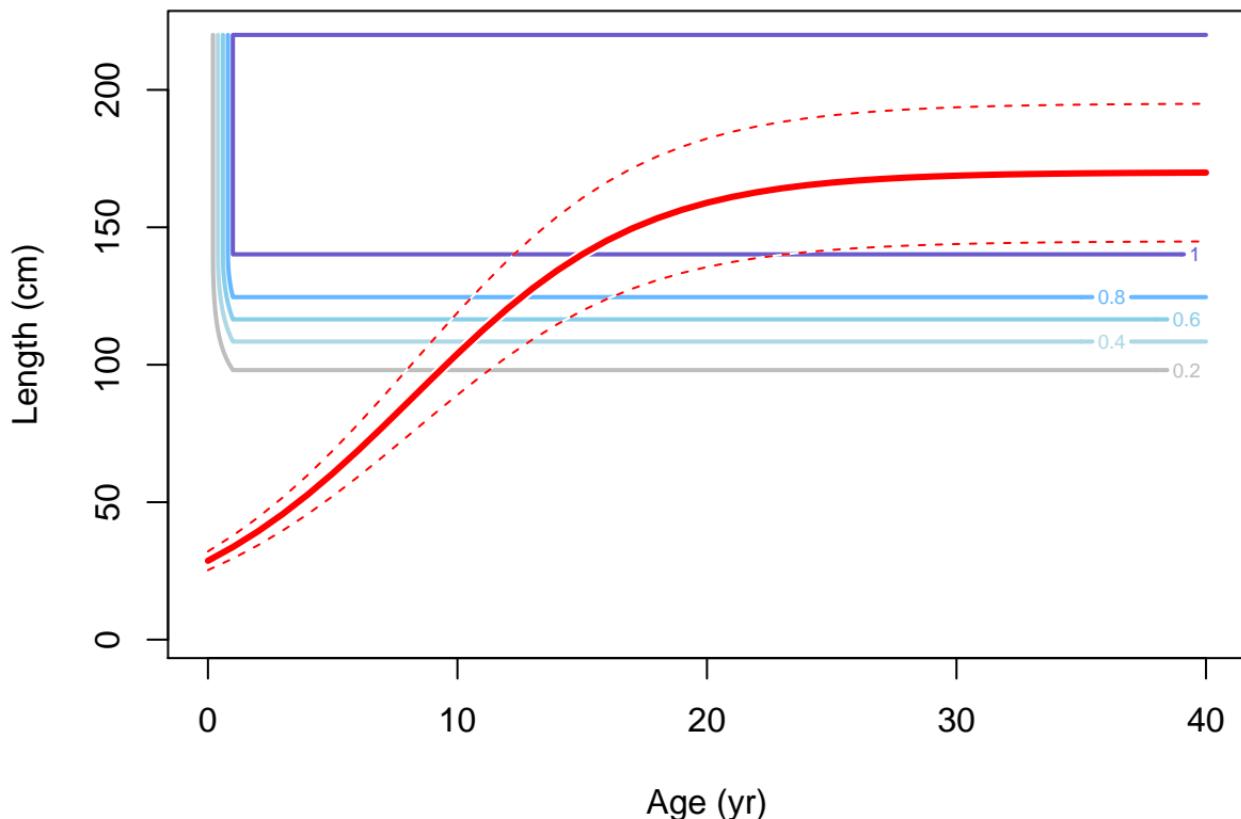
Female ending year selectivity and growth for A1-LL-w



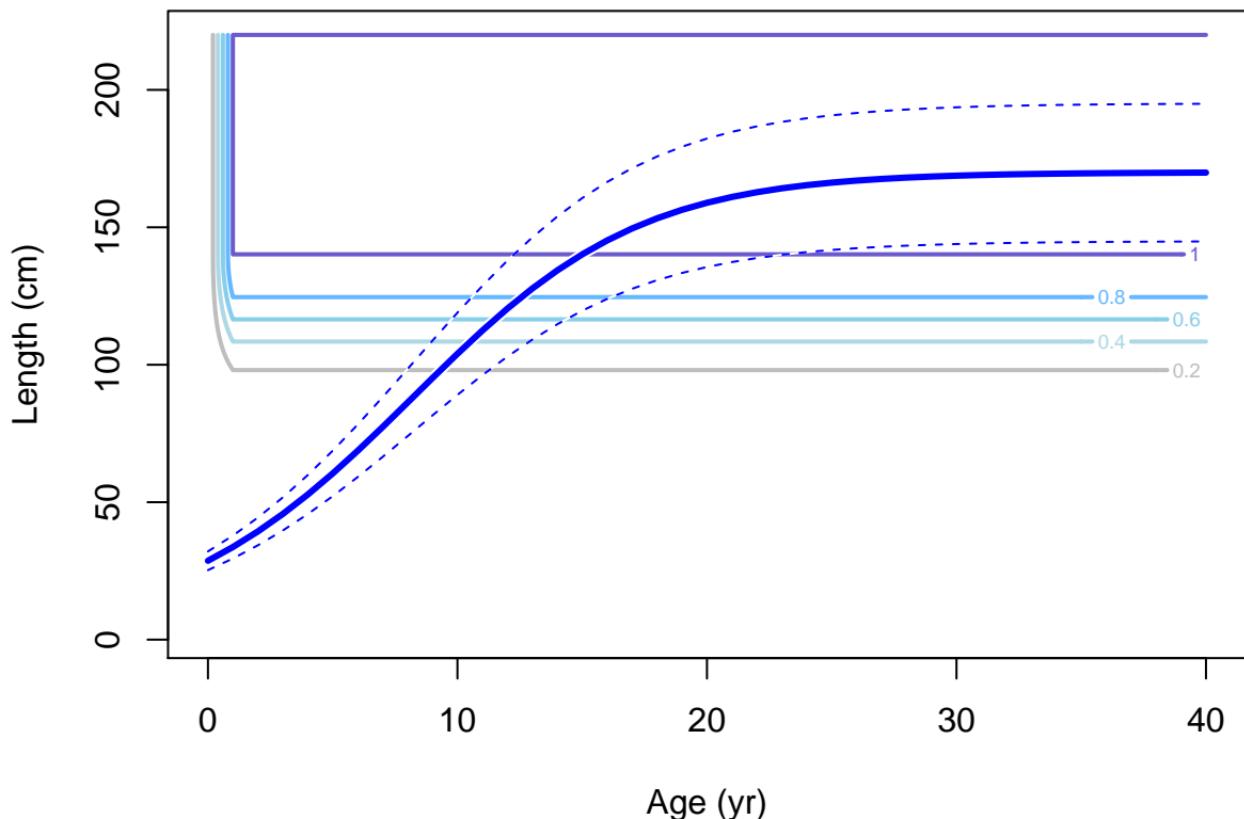
Male ending year selectivity and growth for A1-LL-w



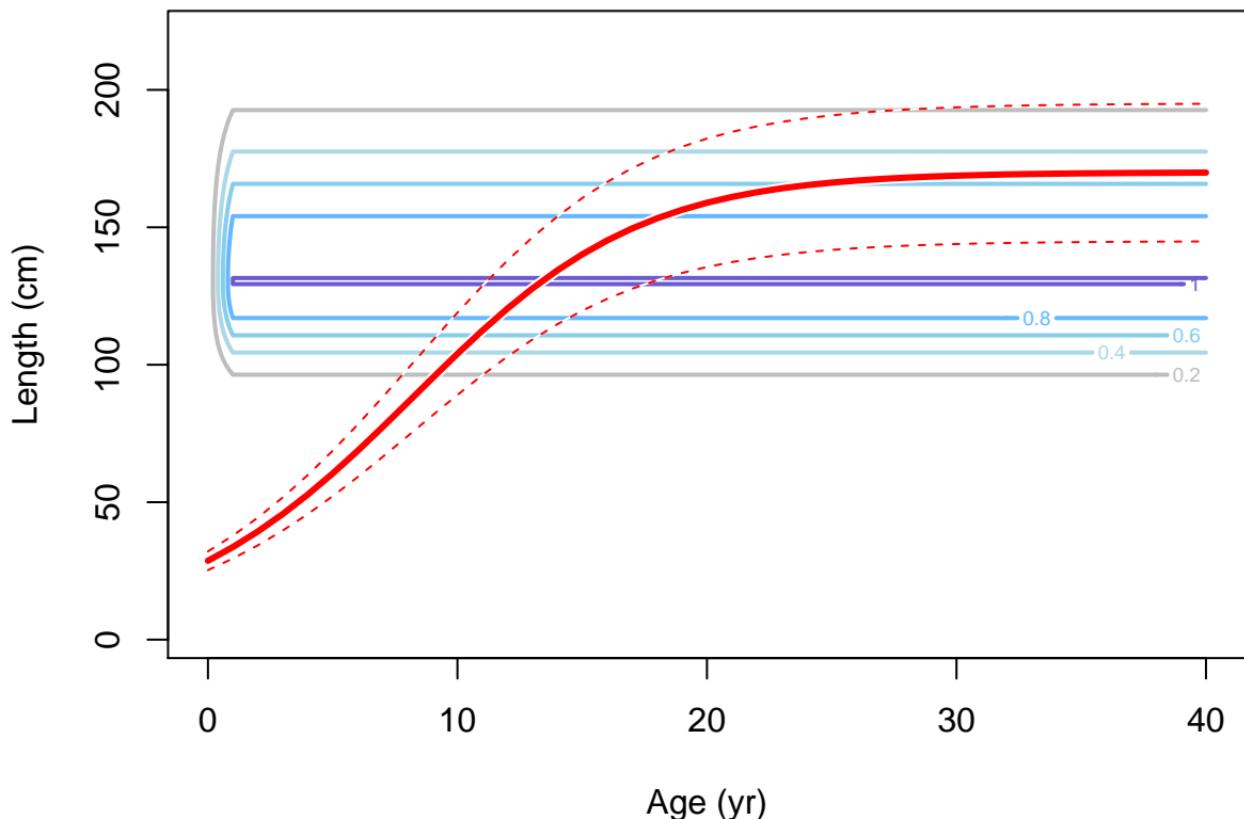
Female ending year selectivity and growth for A2-LL-w



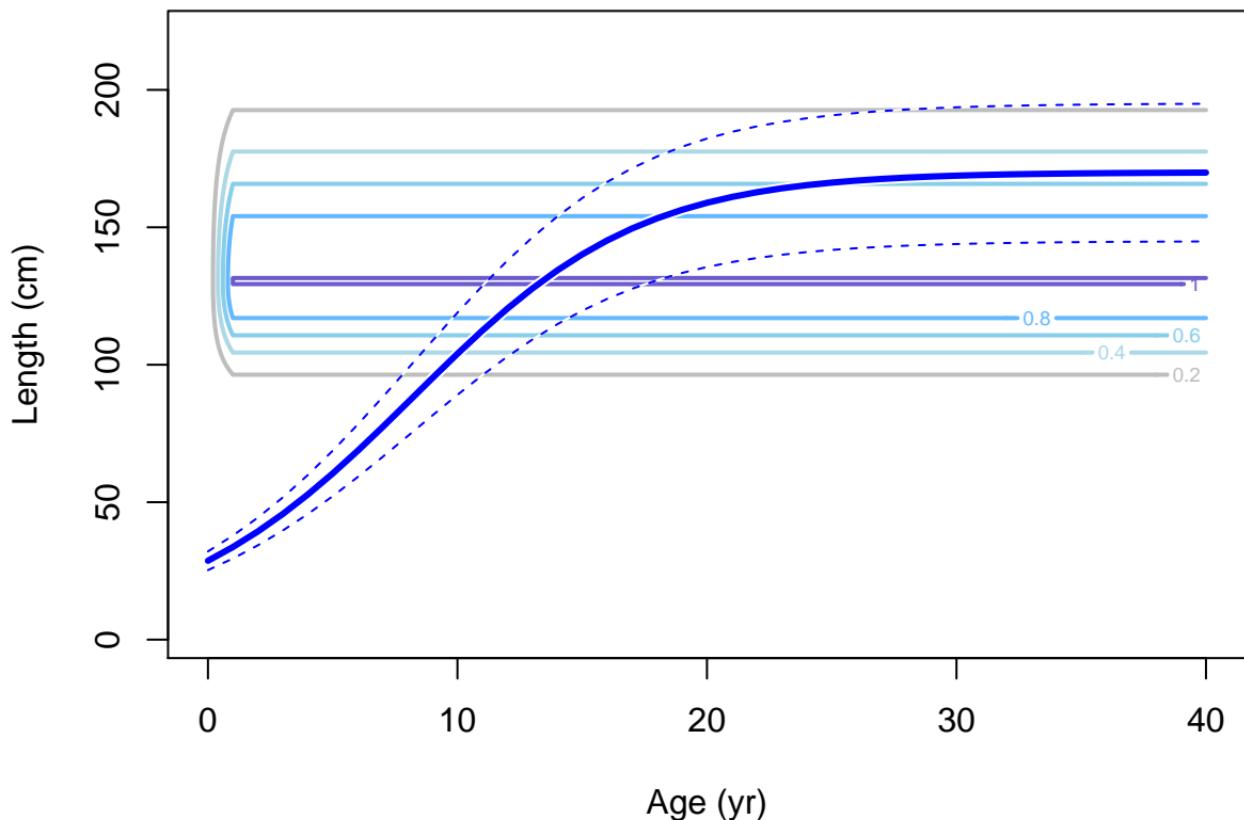
Male ending year selectivity and growth for A2-LL-w



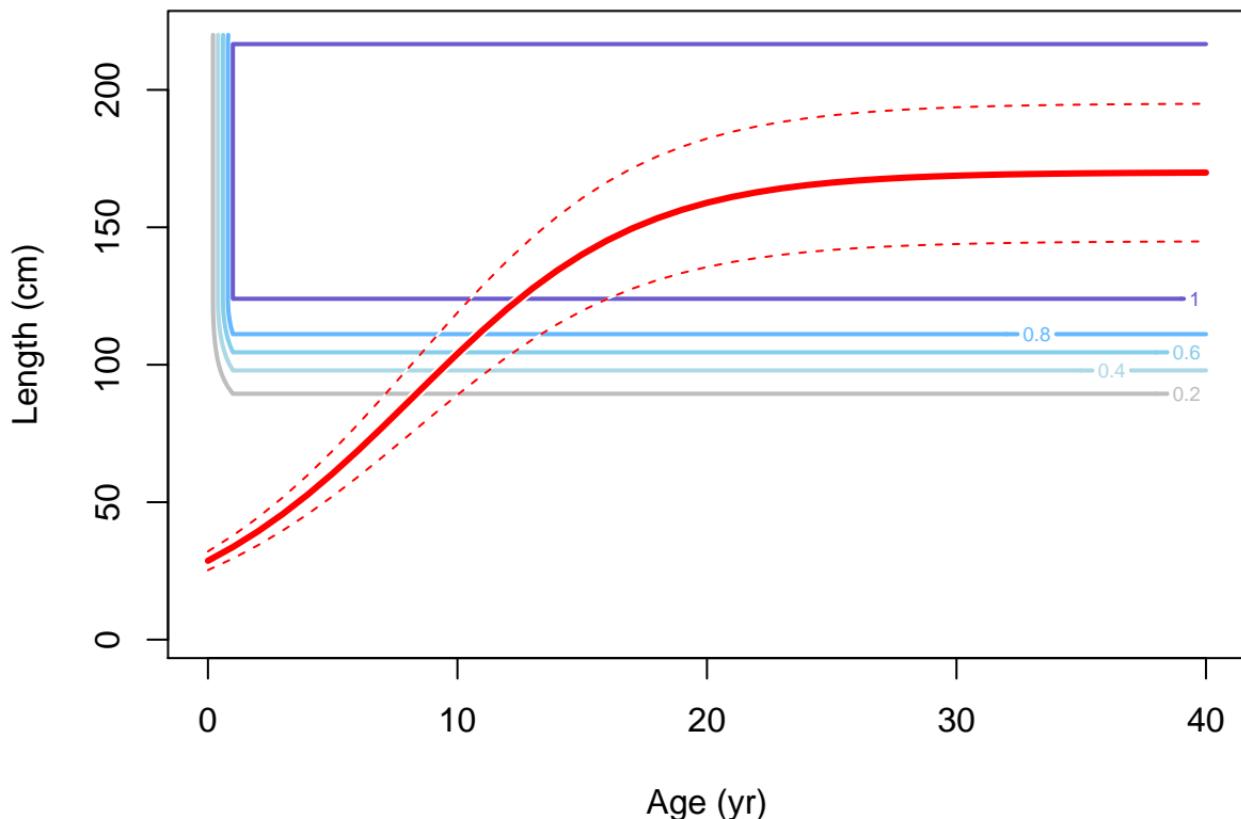
Female ending year selectivity and growth for A3-LL-w



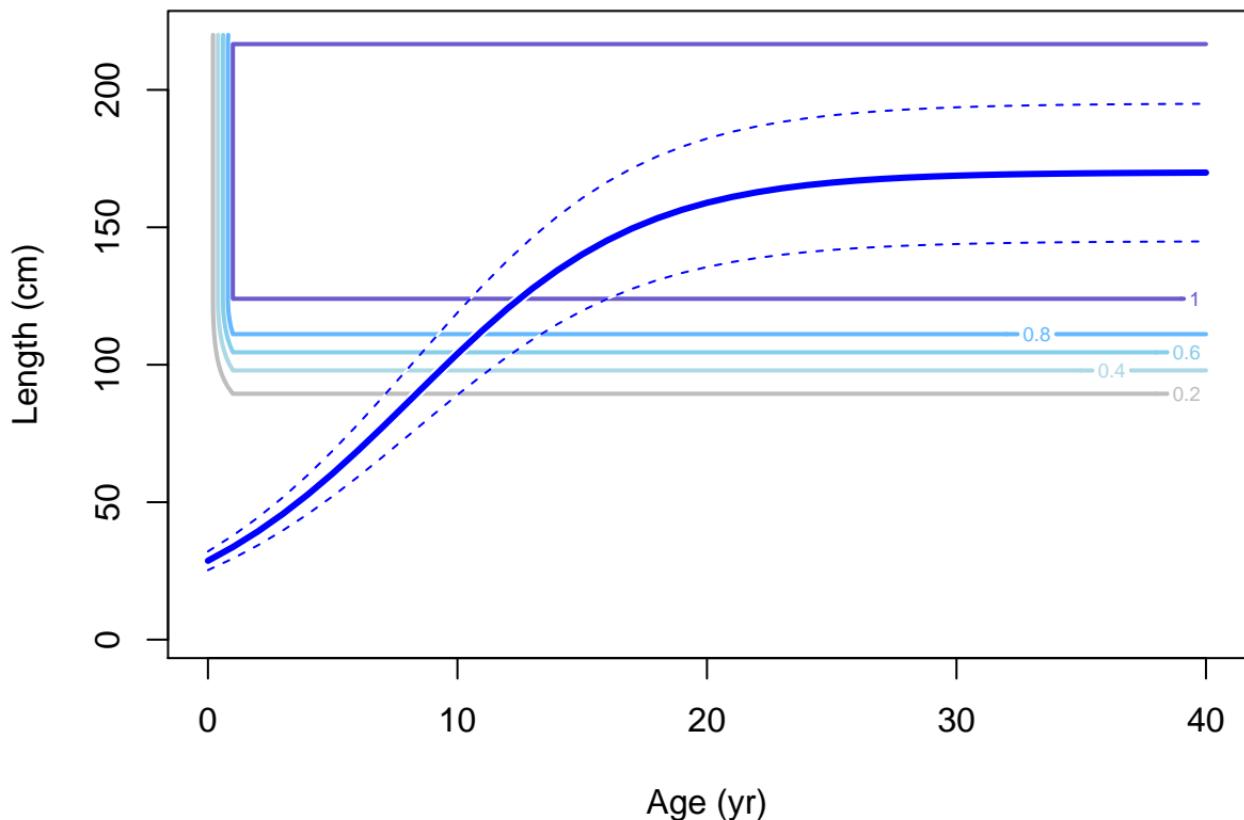
Male ending year selectivity and growth for A3-LL-w



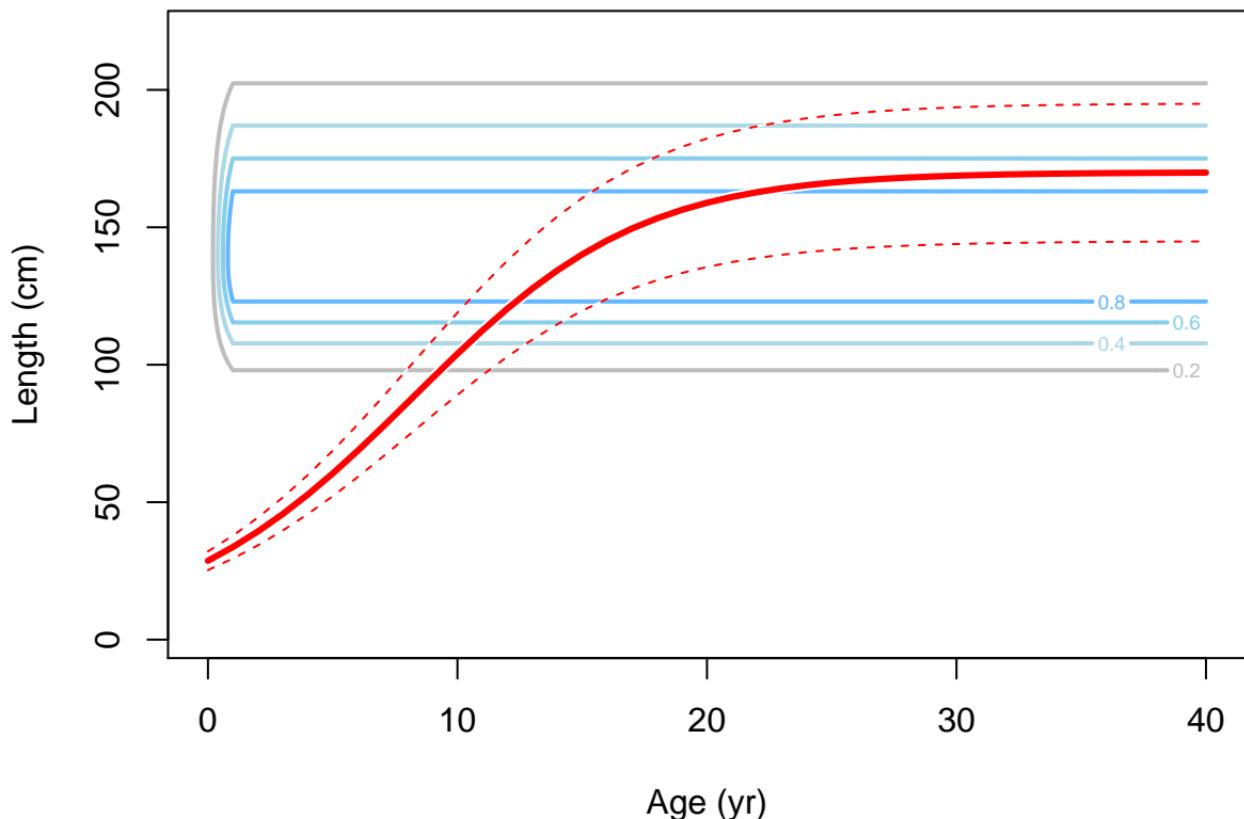
Female ending year selectivity and growth for A4-LL-w



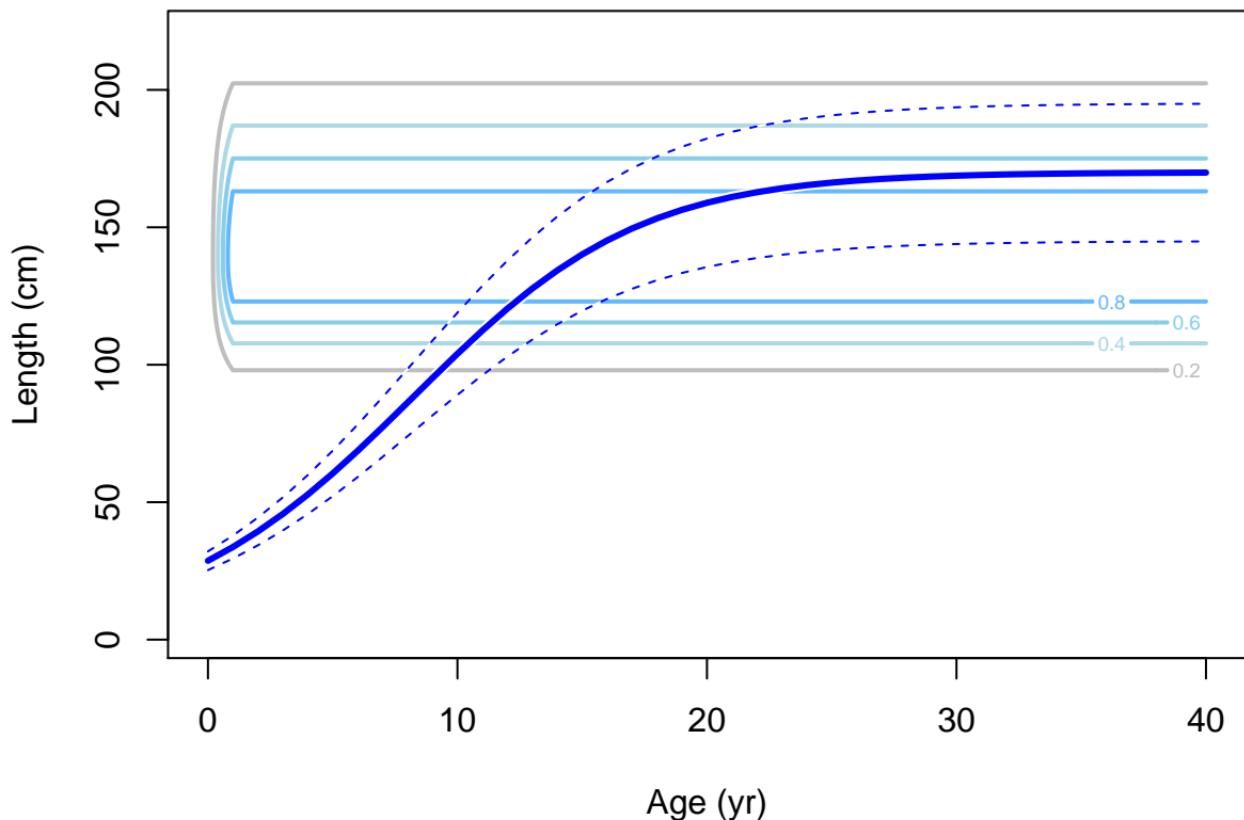
Male ending year selectivity and growth for A4-LL-w



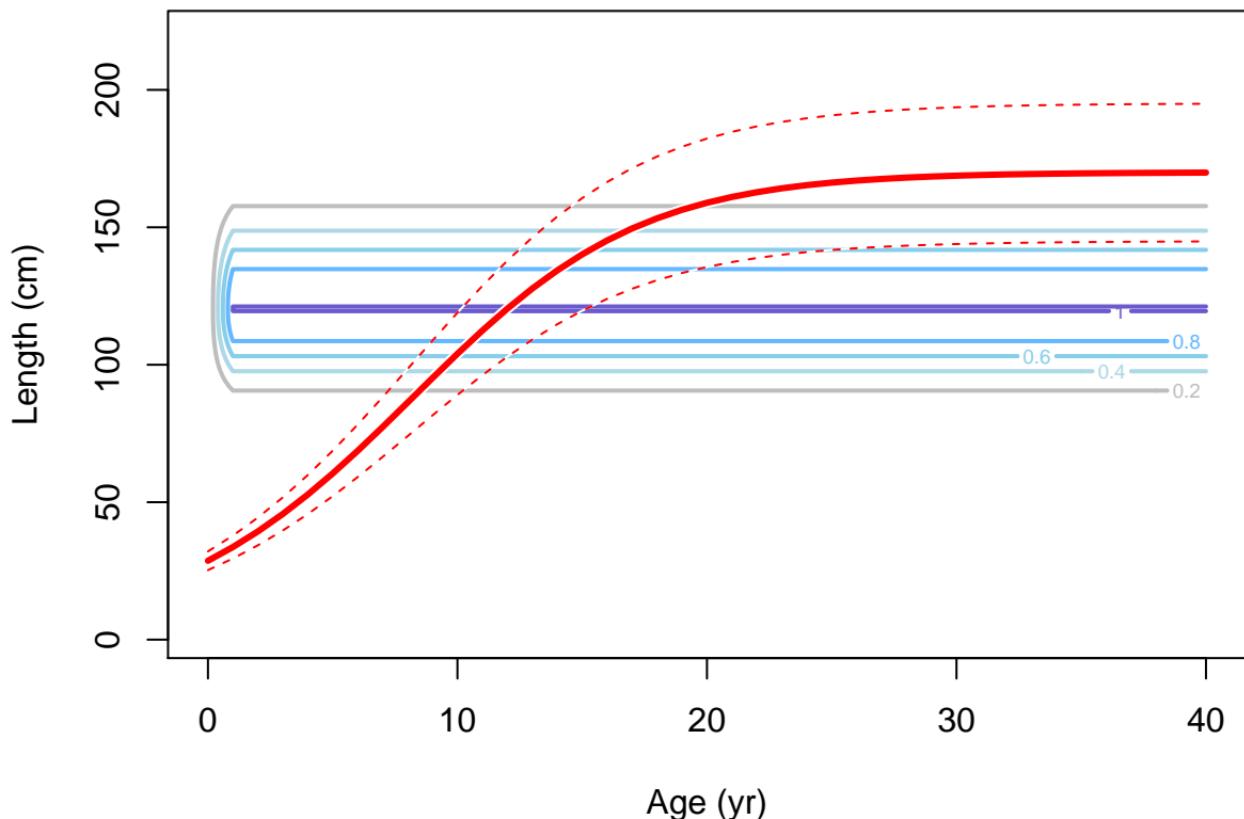
Female ending year selectivity and growth for A5-LL-w



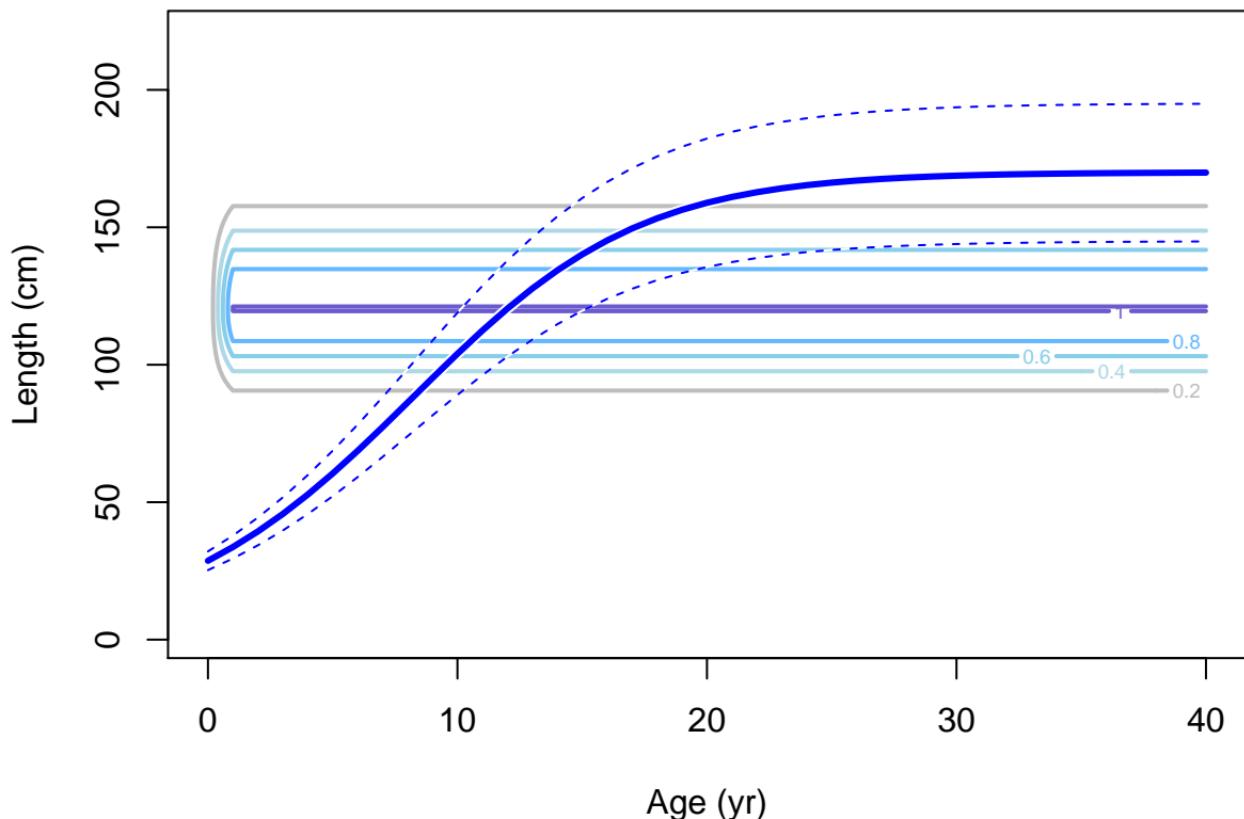
Male ending year selectivity and growth for A5-LL-w



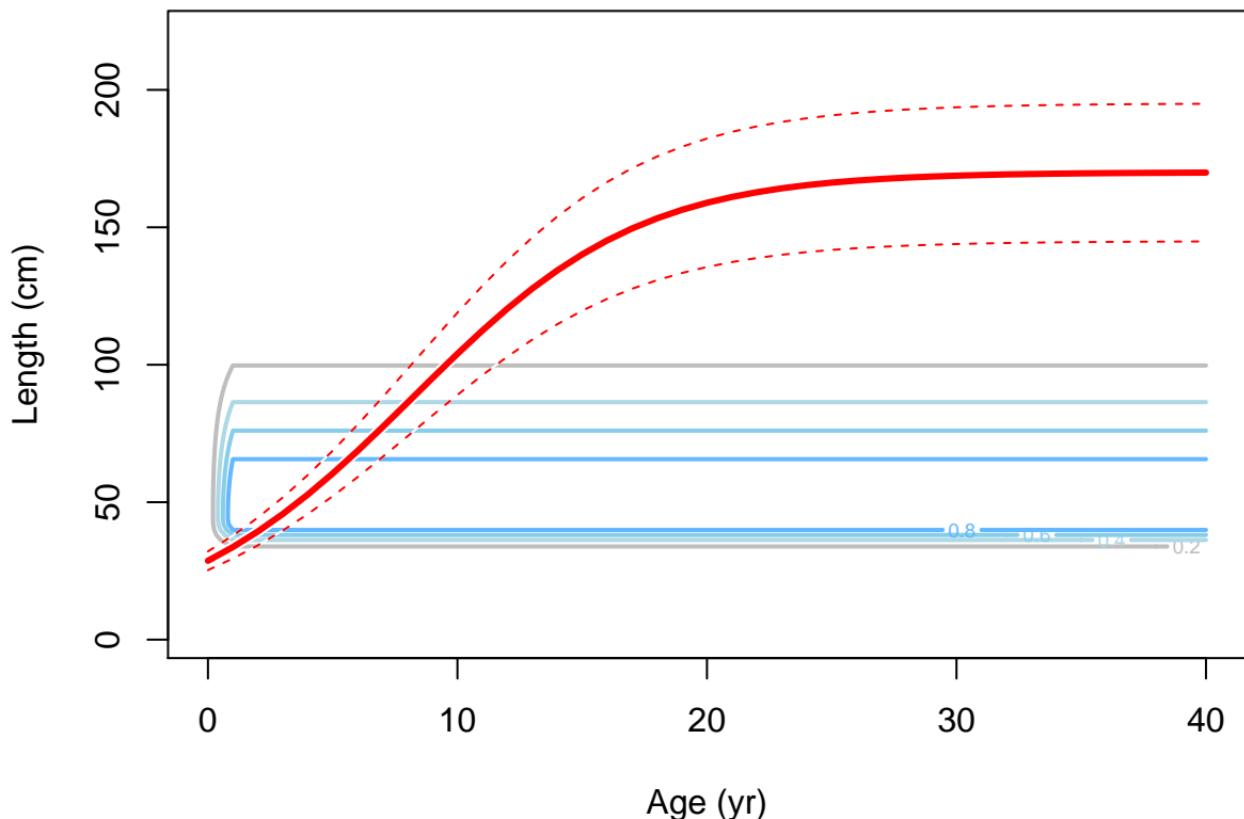
Female ending year selectivity and growth for A6-LL-w



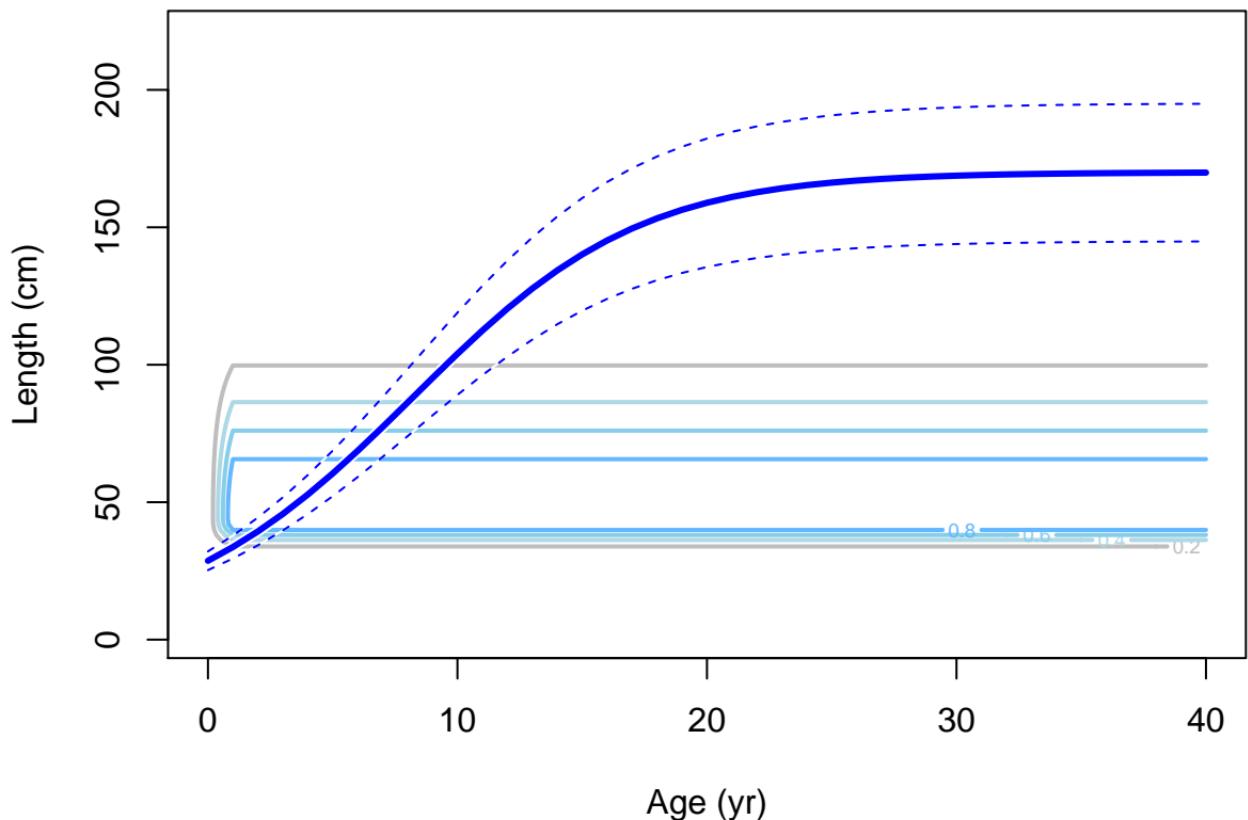
Male ending year selectivity and growth for A6-LL-w



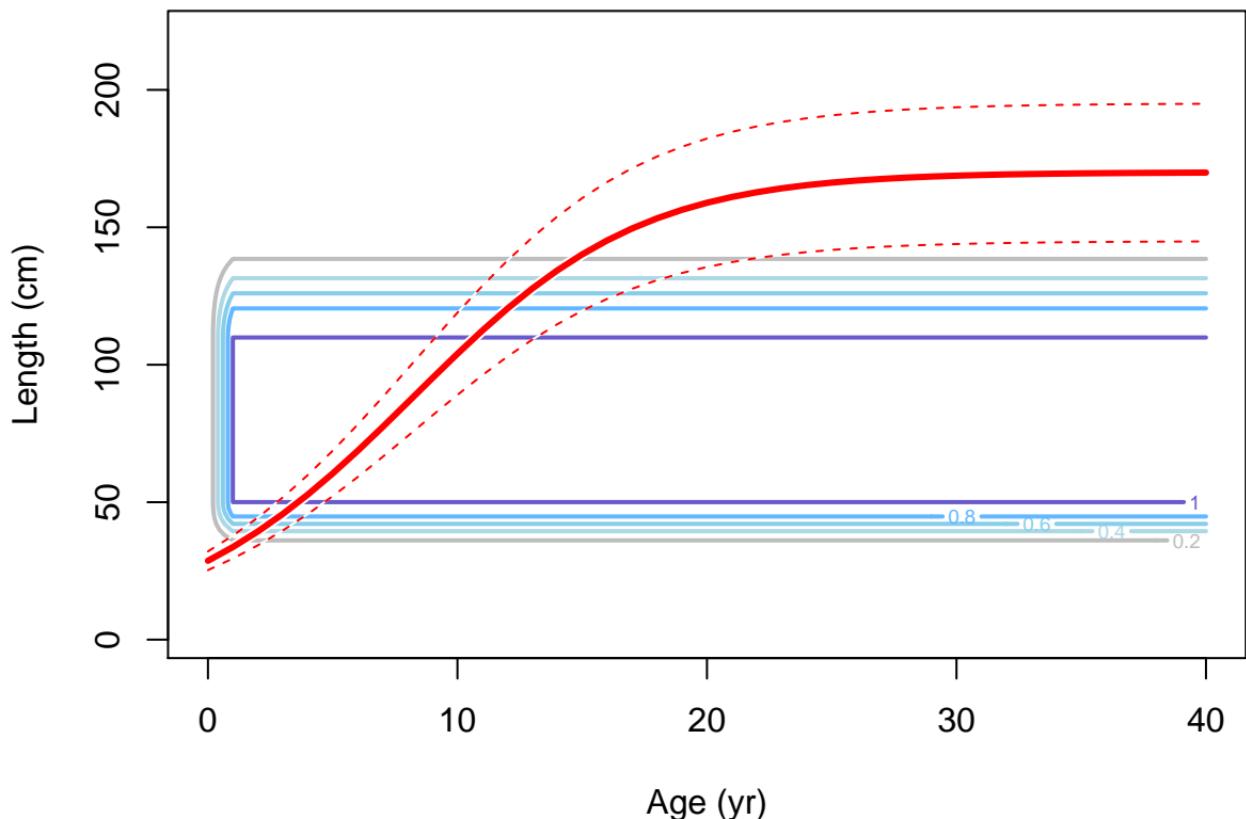
Female ending year selectivity and growth for A2-OBJ



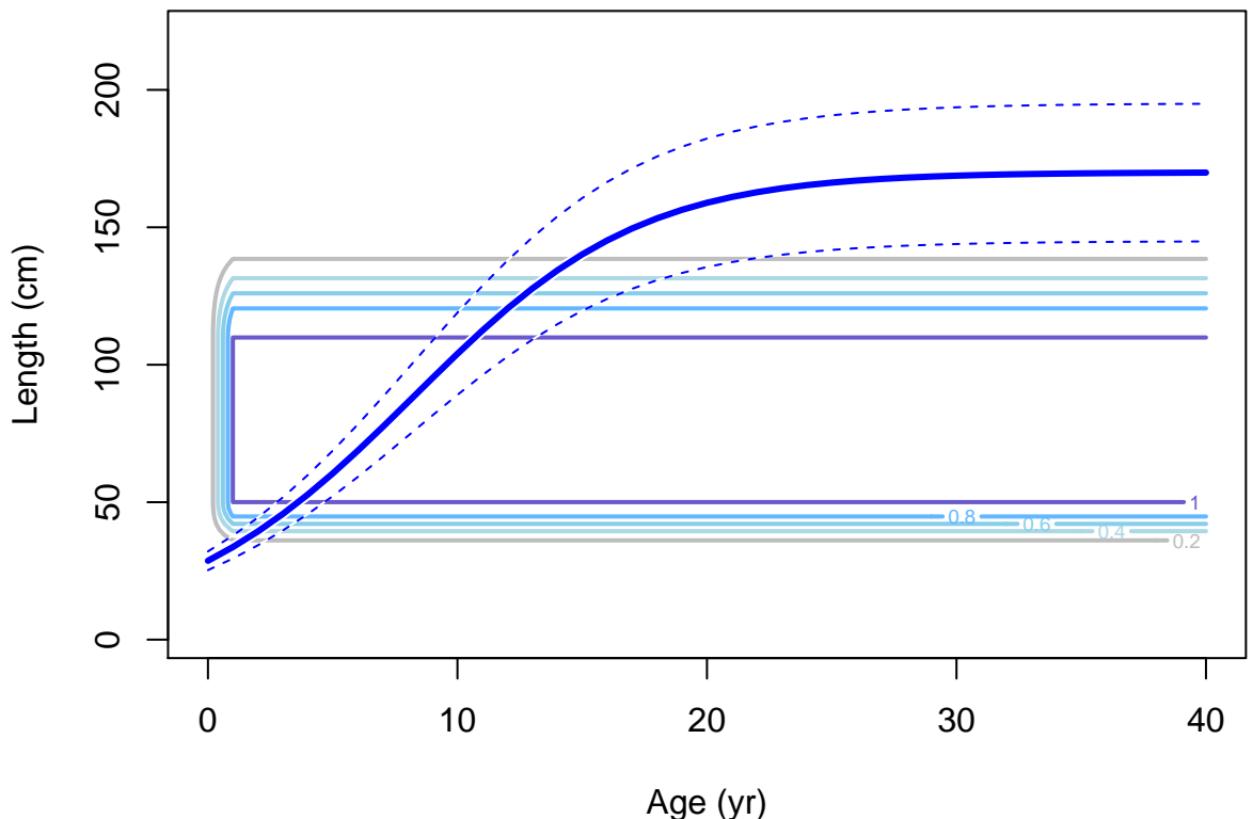
Male ending year selectivity and growth for A2–OBJ



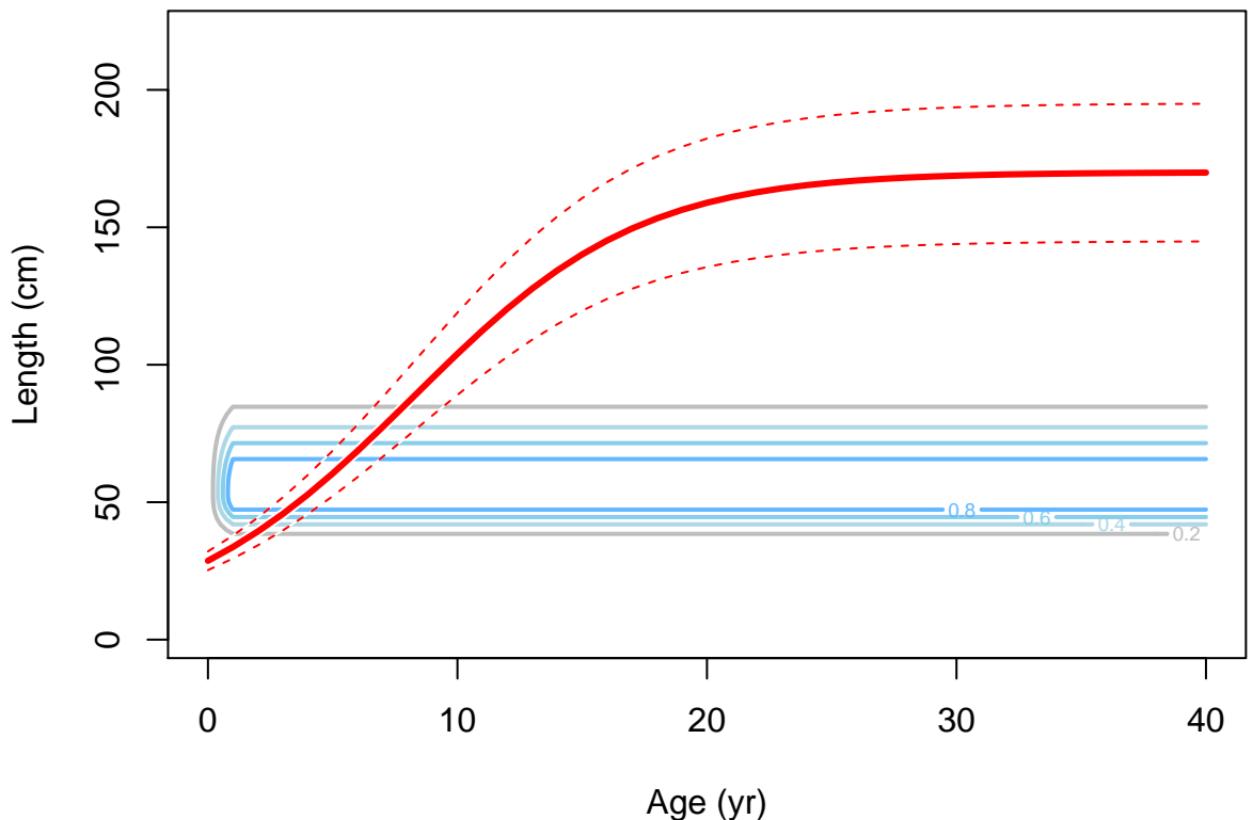
Female ending year selectivity and growth for A3–OBJ



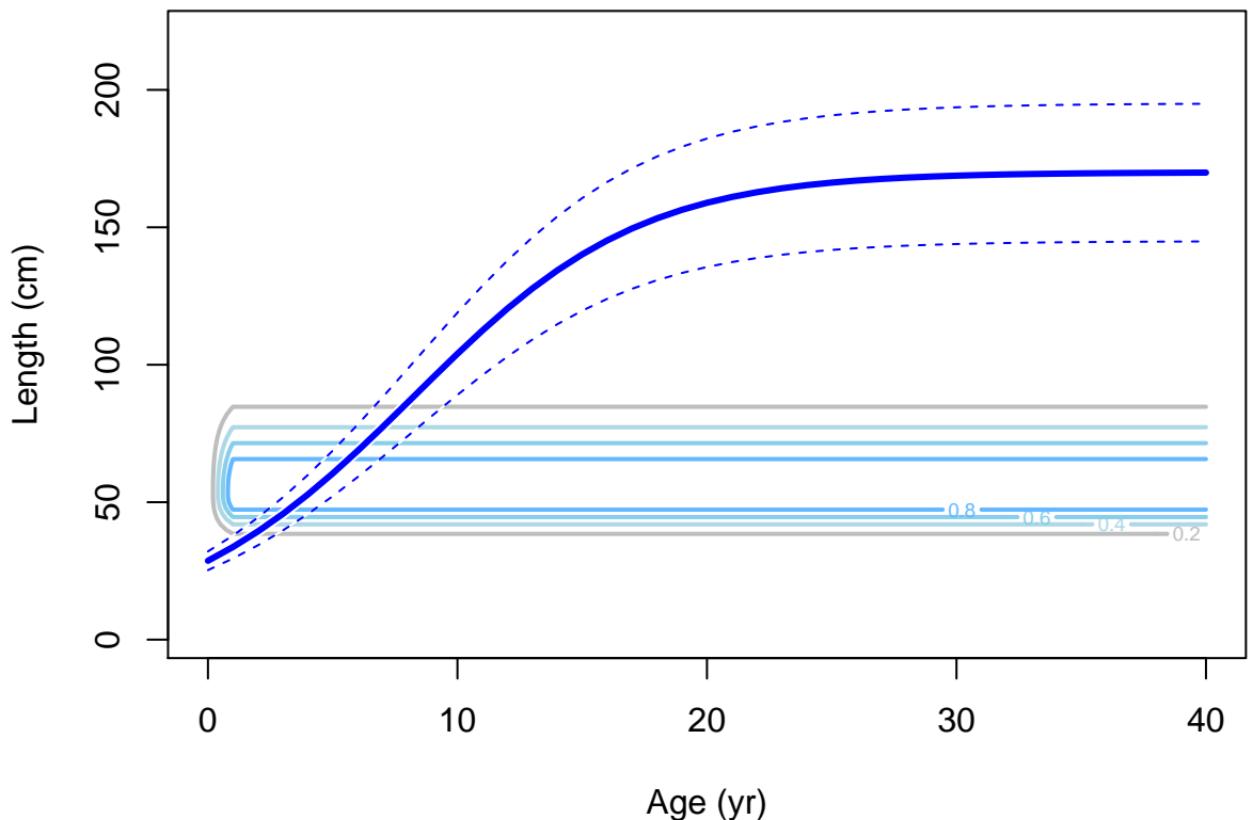
Male ending year selectivity and growth for A3–OBJ



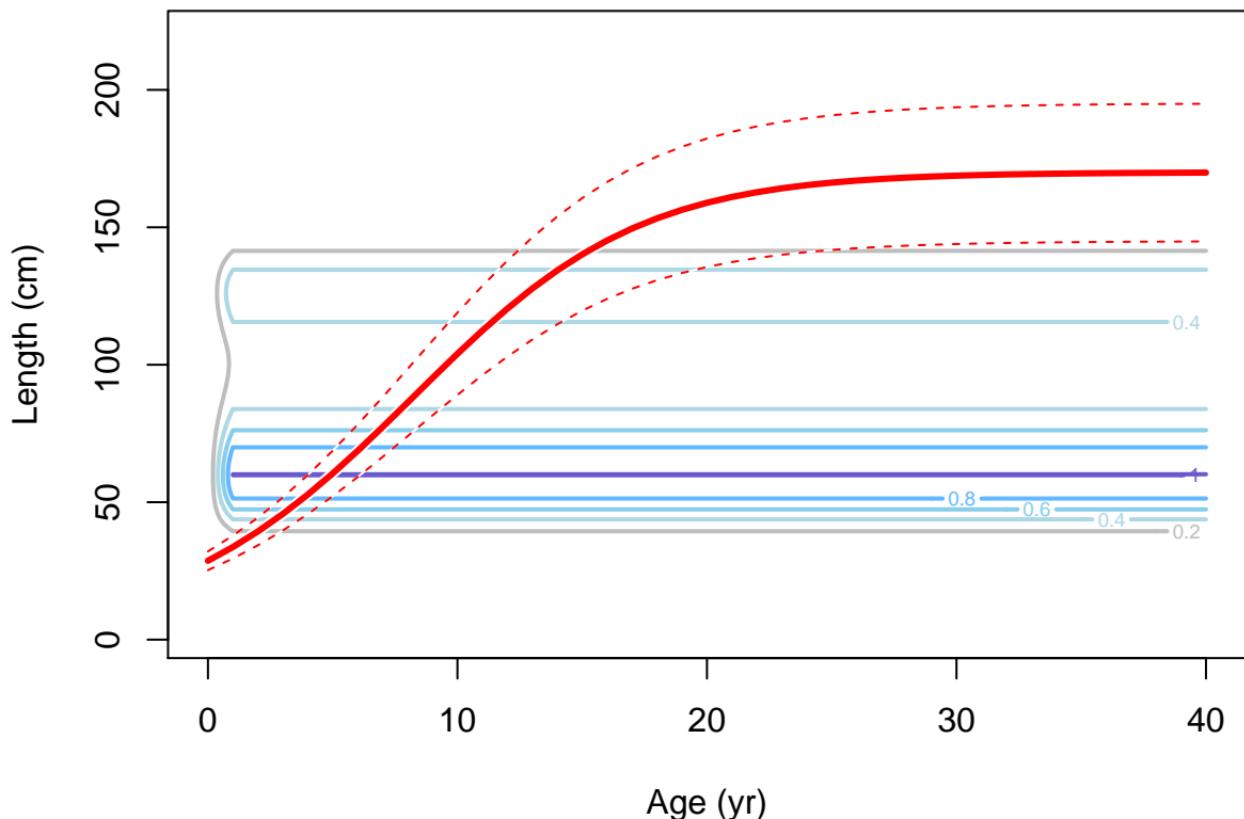
Female ending year selectivity and growth for A4–OBJ



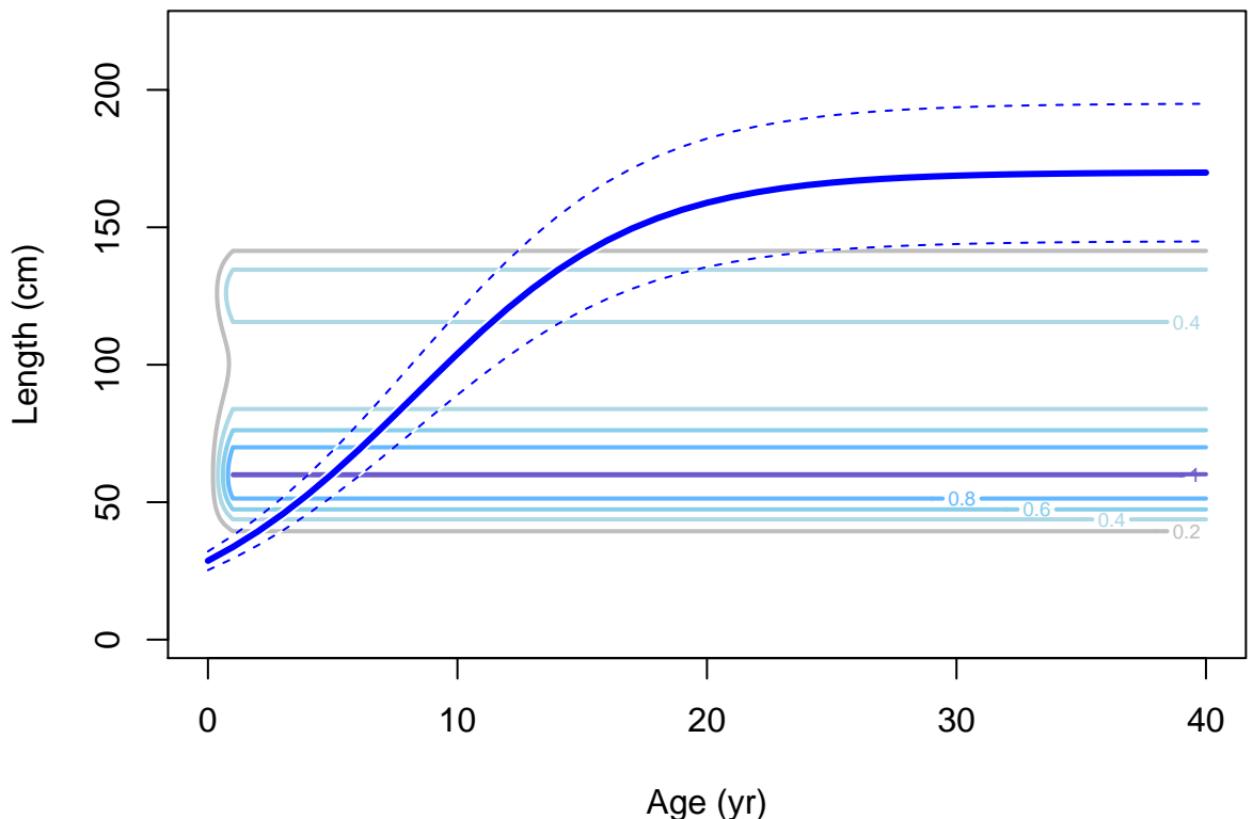
Male ending year selectivity and growth for A4–OBJ



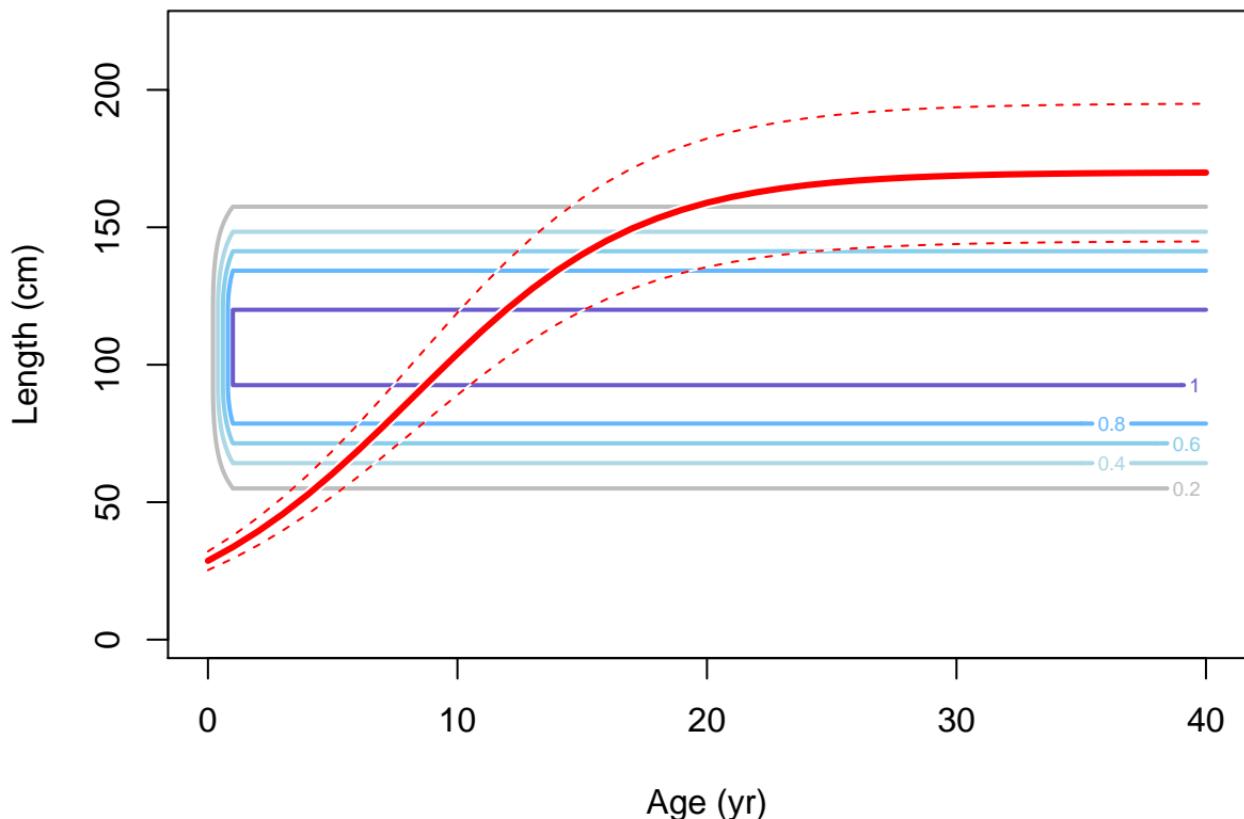
Female ending year selectivity and growth for A5–OBJ



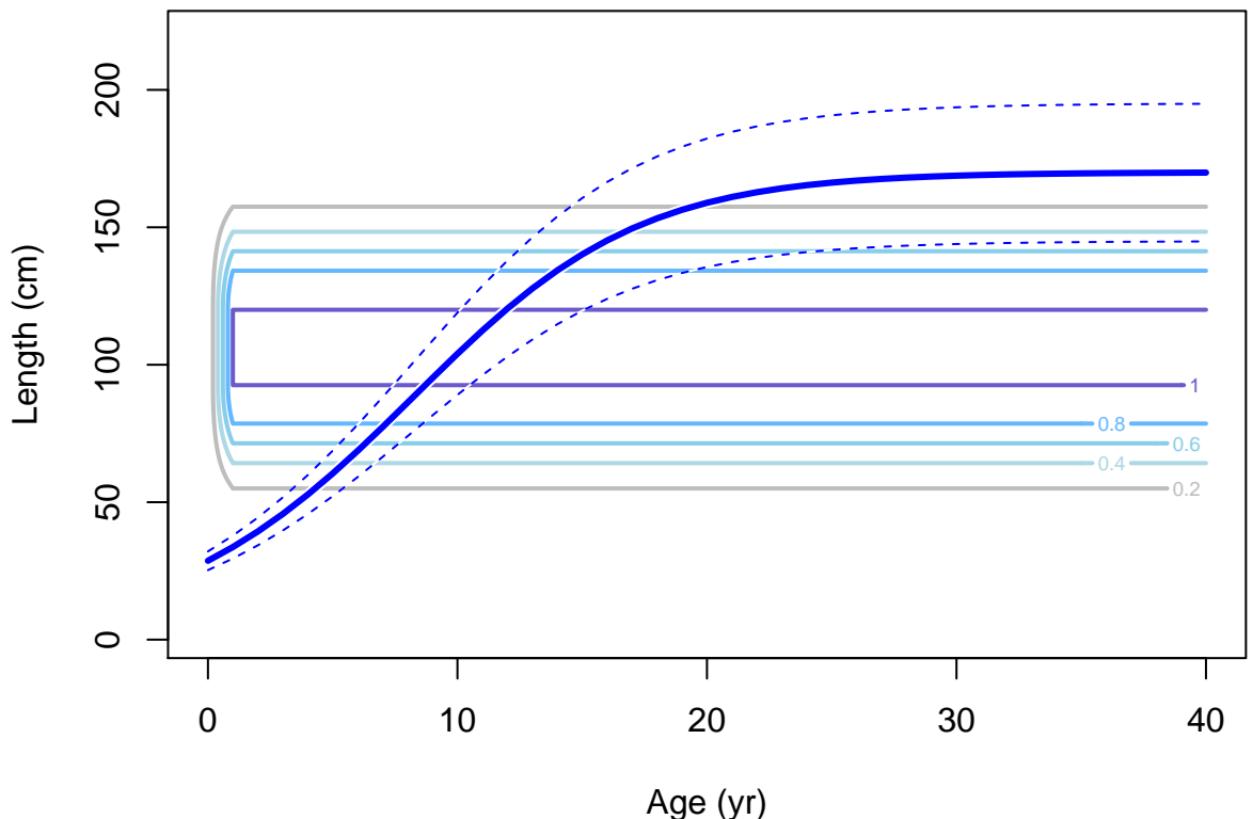
Male ending year selectivity and growth for A5–OBJ



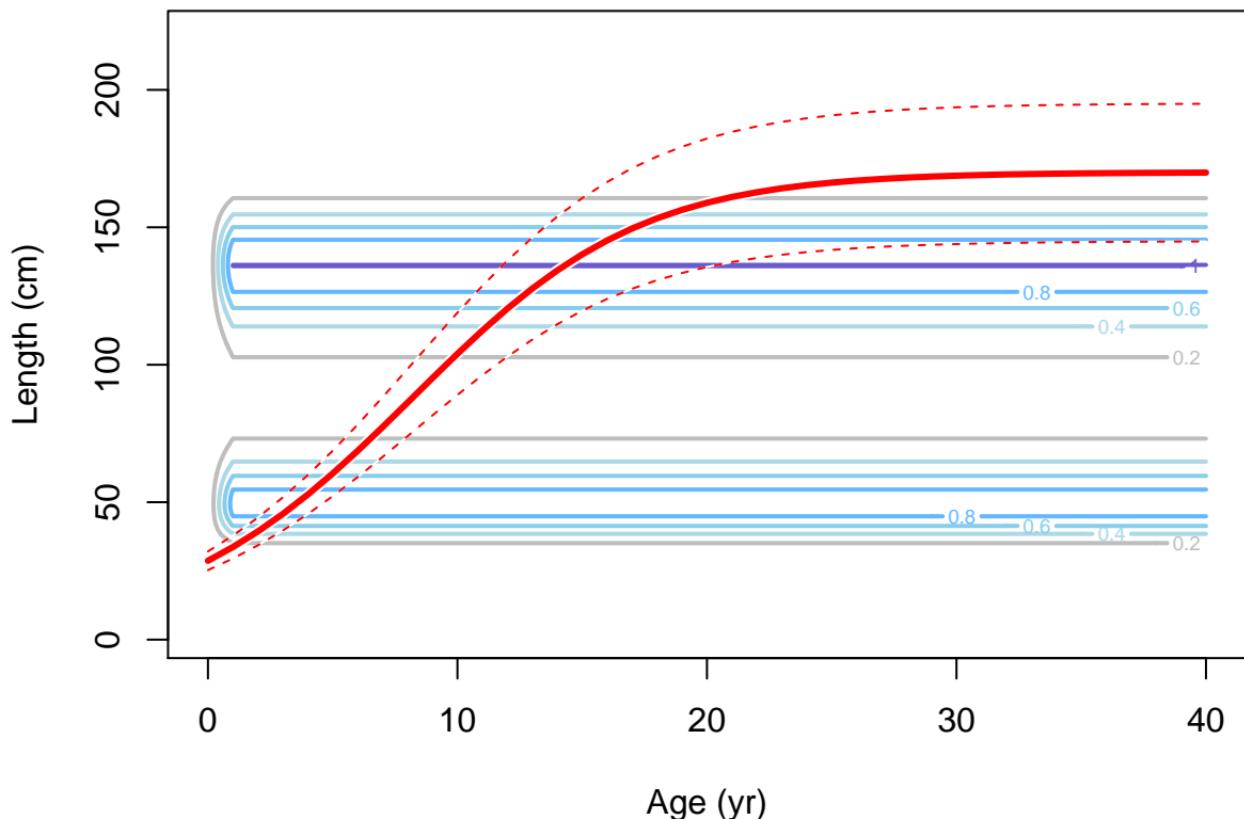
Female ending year selectivity and growth for A6–OBJ



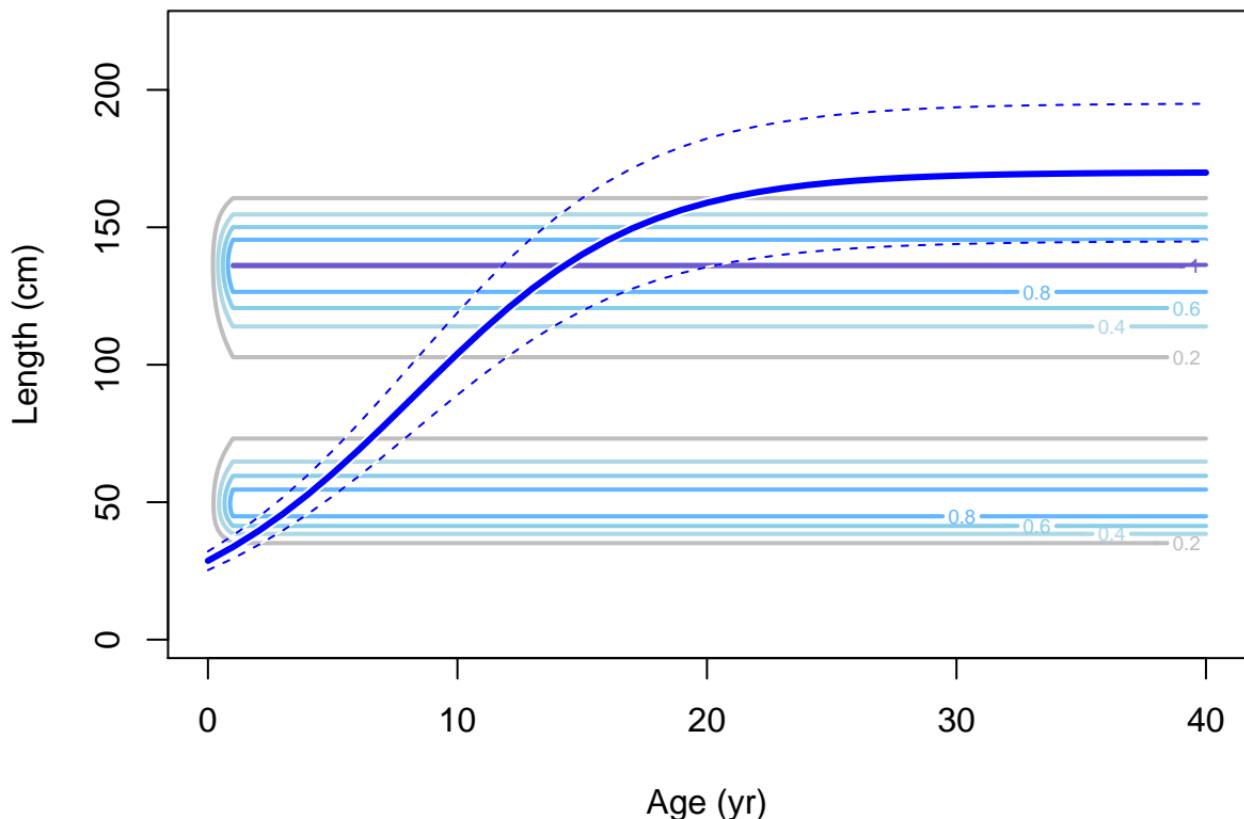
Male ending year selectivity and growth for A6–OBJ



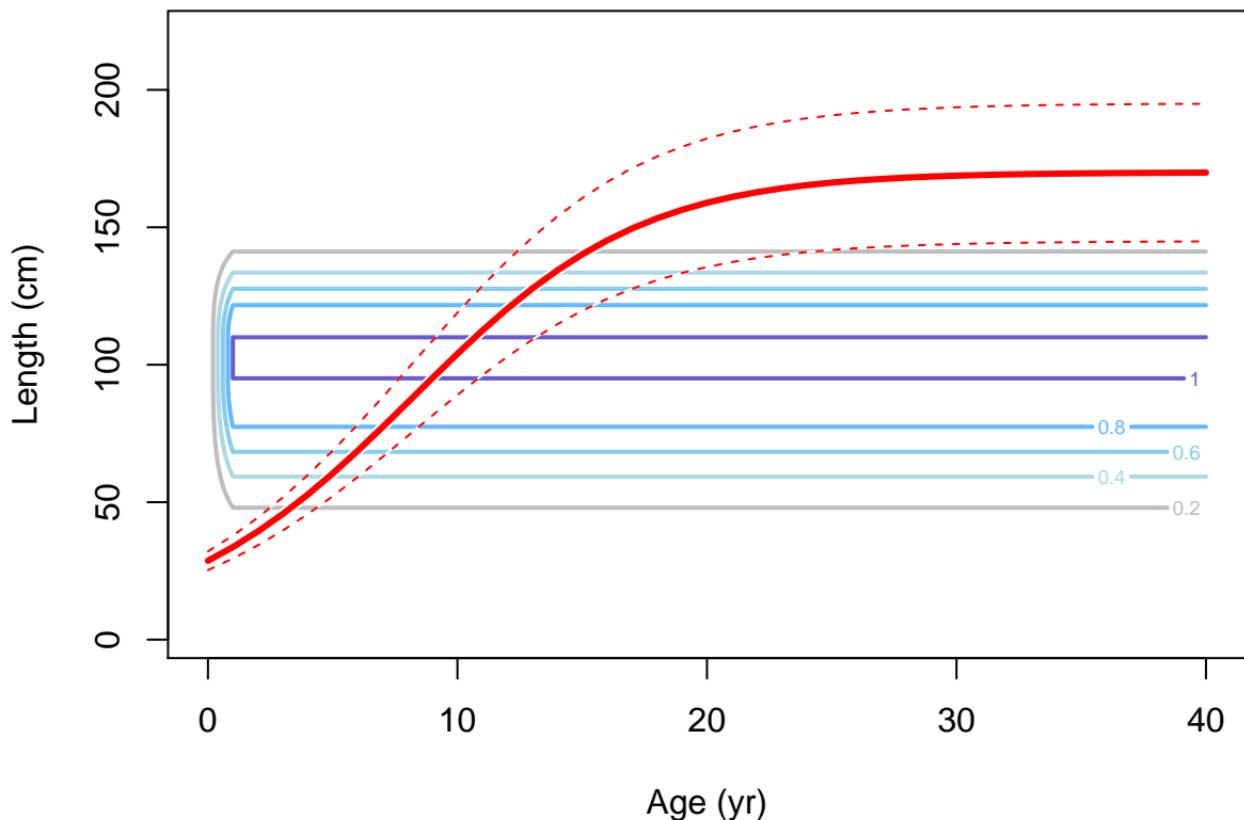
Female ending year selectivity and growth for A2-NOADEL



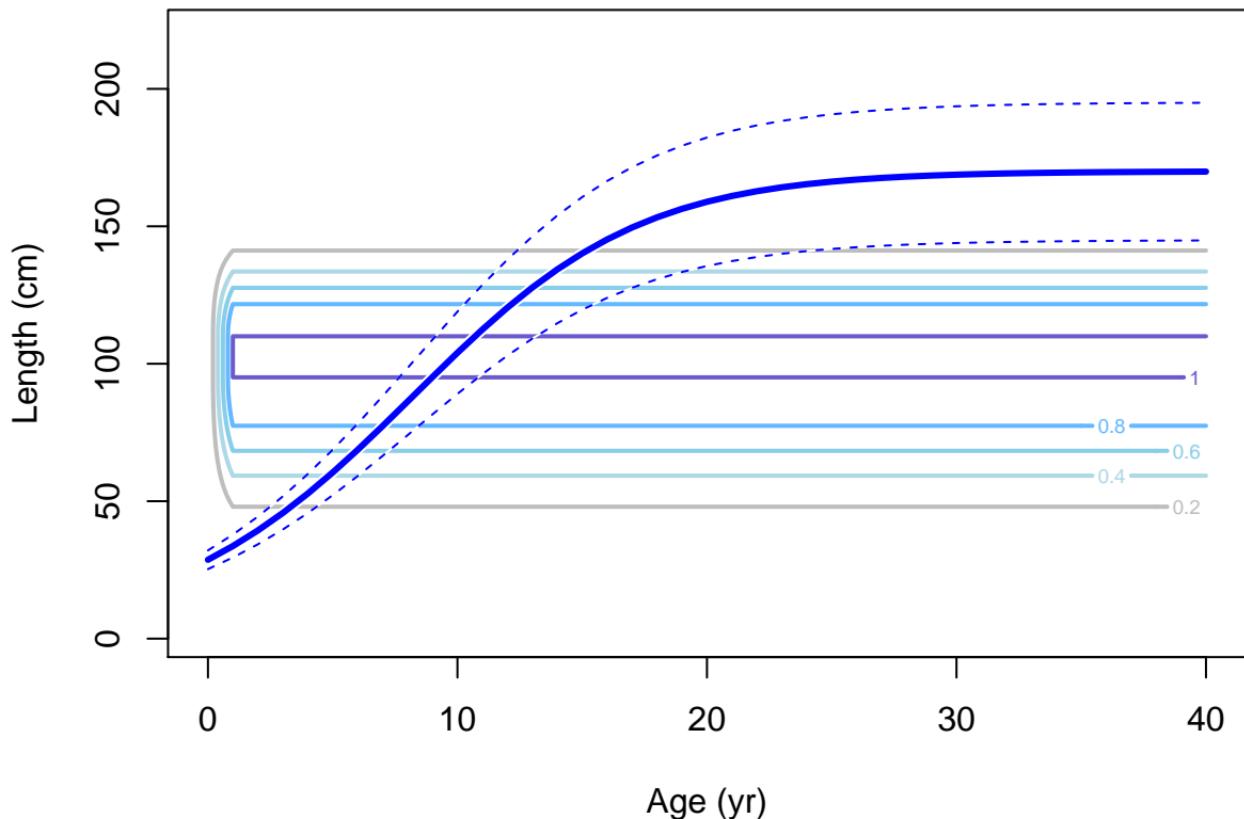
Male ending year selectivity and growth for A2-NOADEL



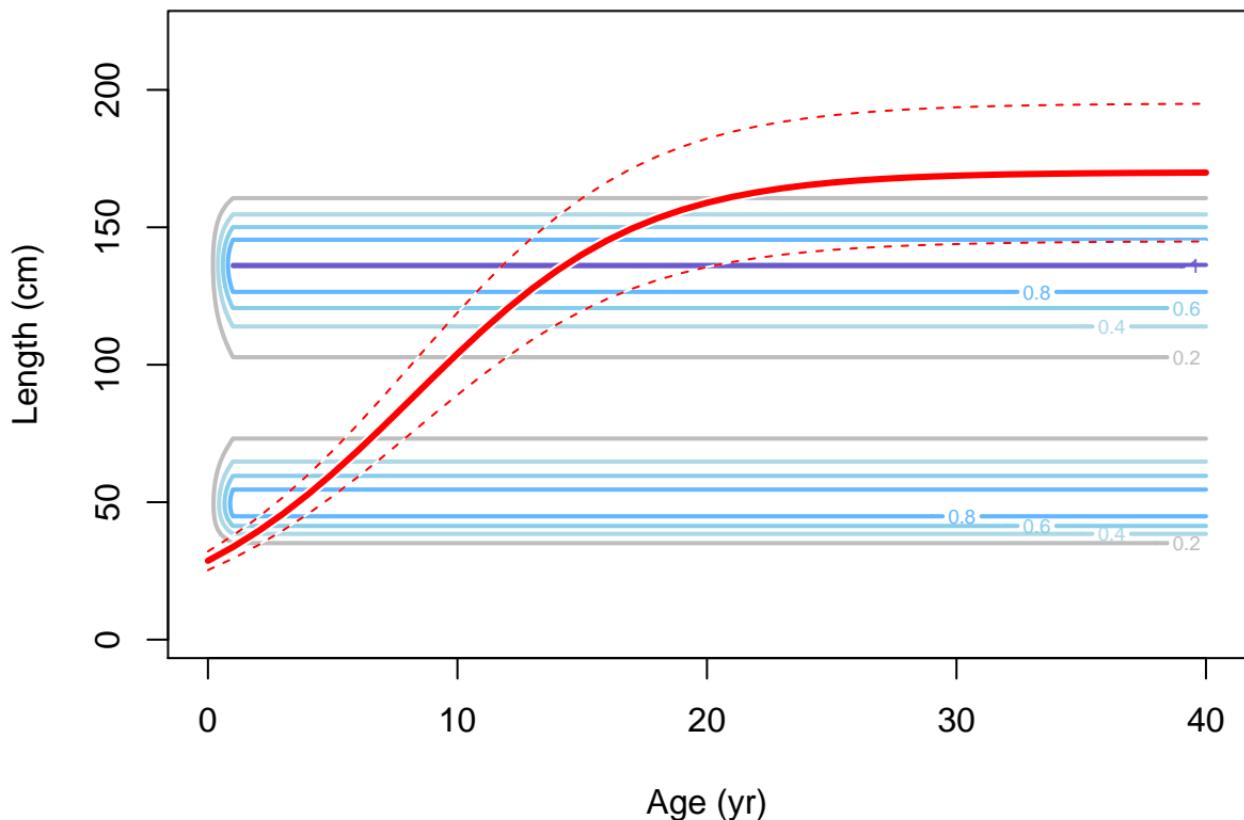
Female ending year selectivity and growth for A3–NOADEL



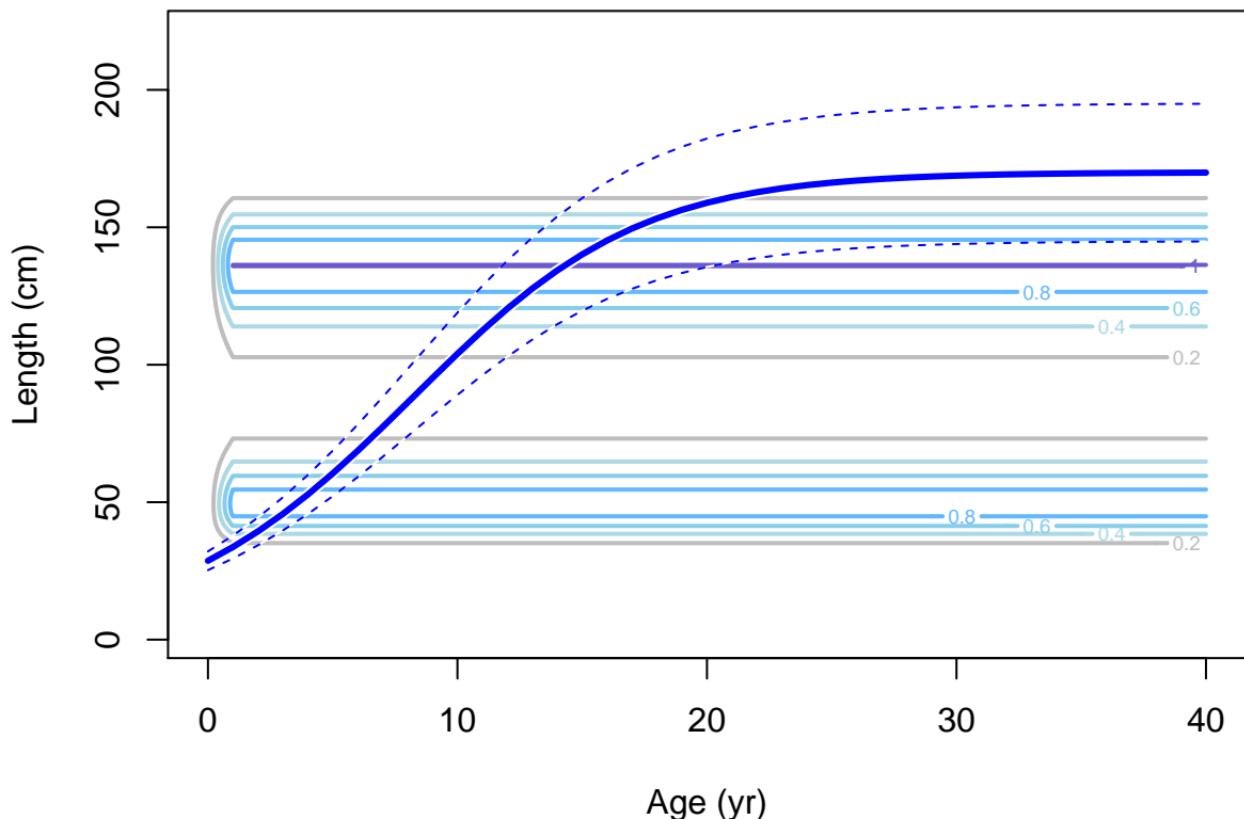
Male ending year selectivity and growth for A3–NOADEL



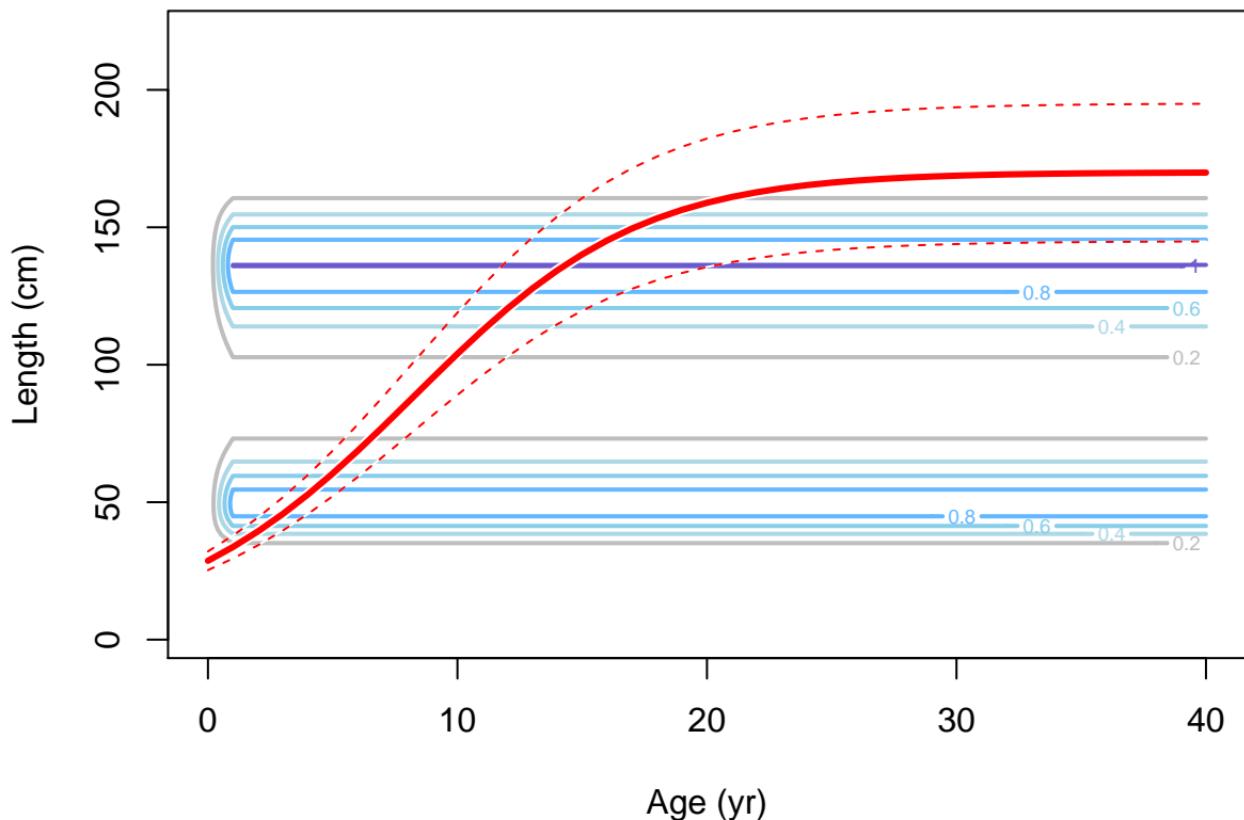
Female ending year selectivity and growth for A4-NOADEL



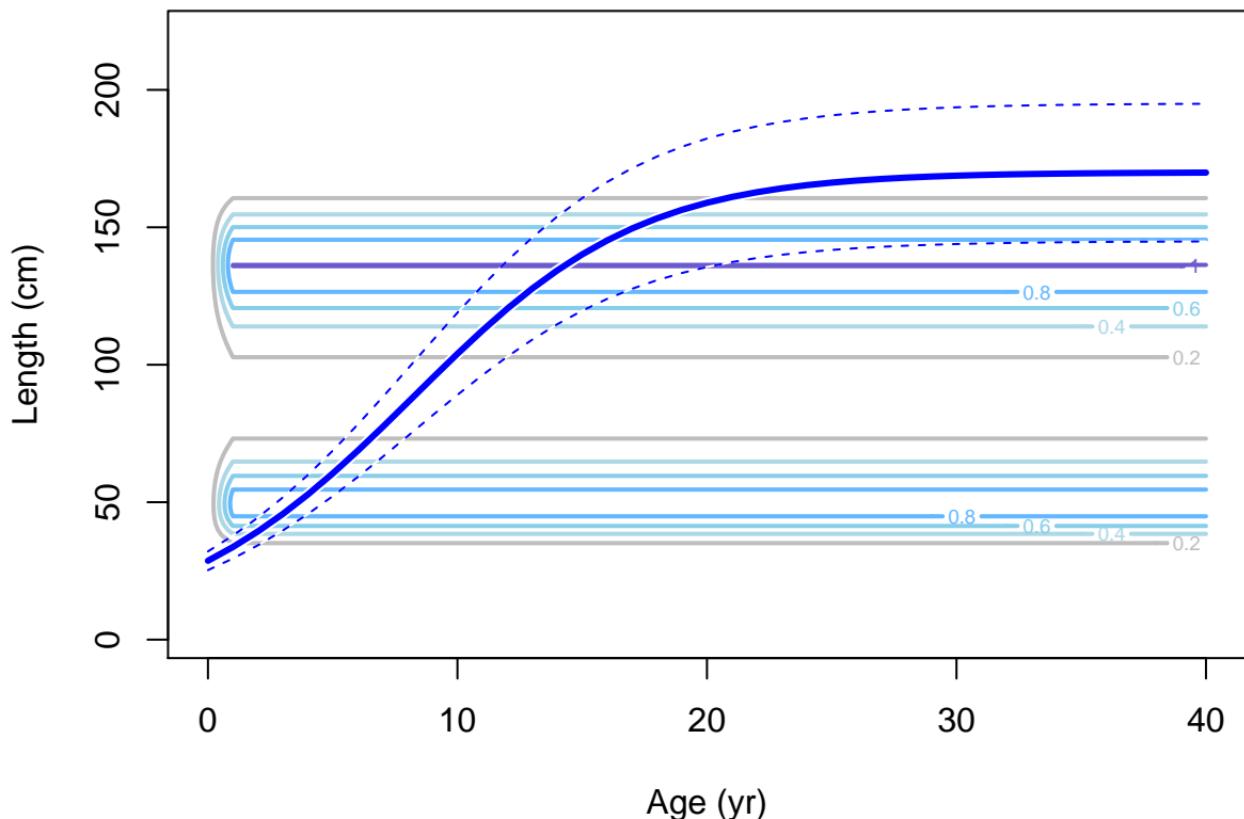
Male ending year selectivity and growth for A4–NOADEL



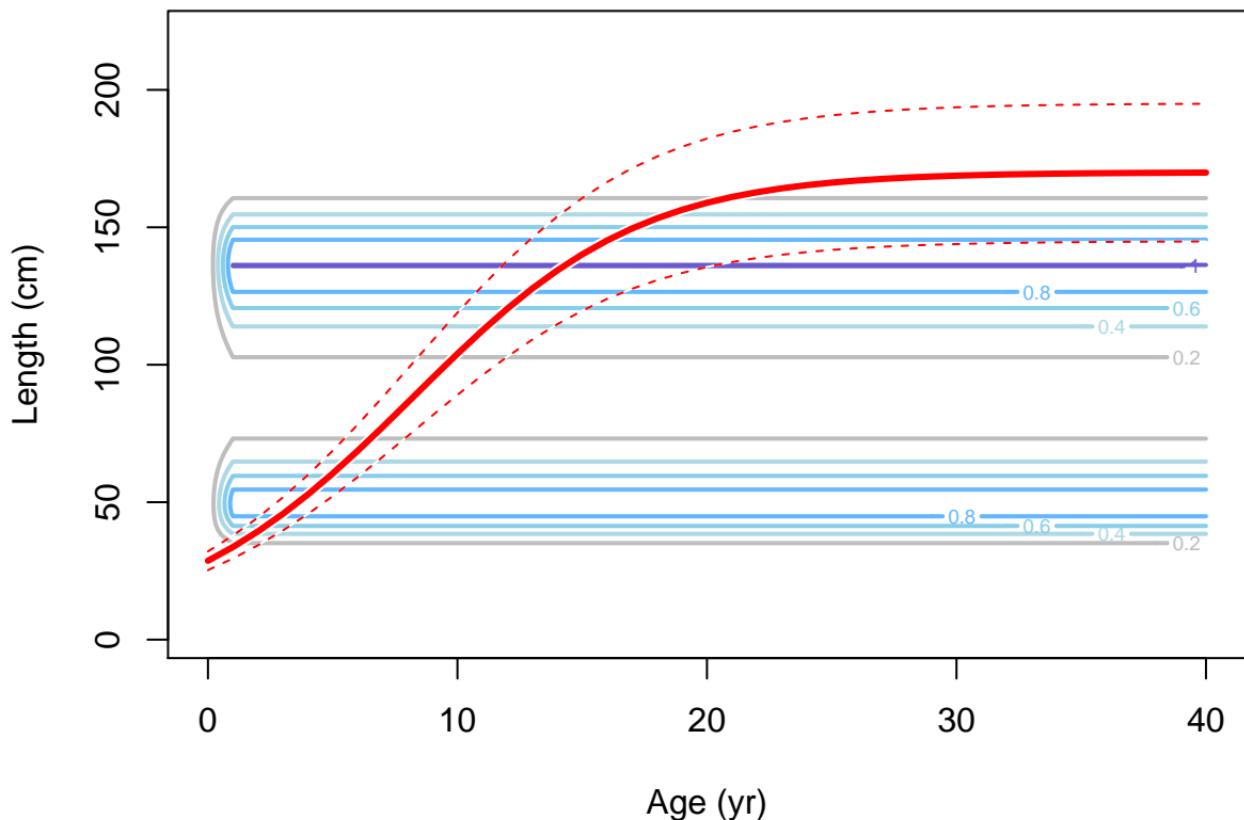
Female ending year selectivity and growth for A5-NOADEL



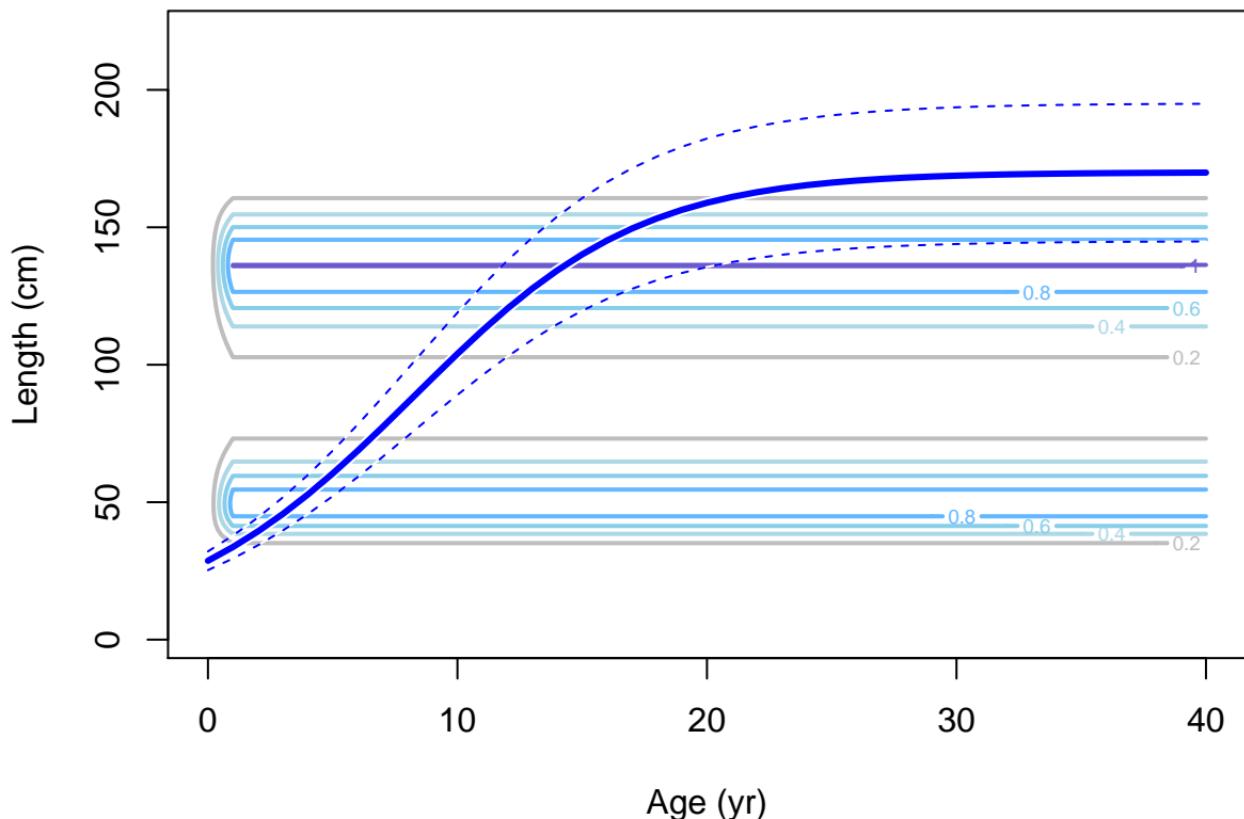
Male ending year selectivity and growth for A5–NOADEL



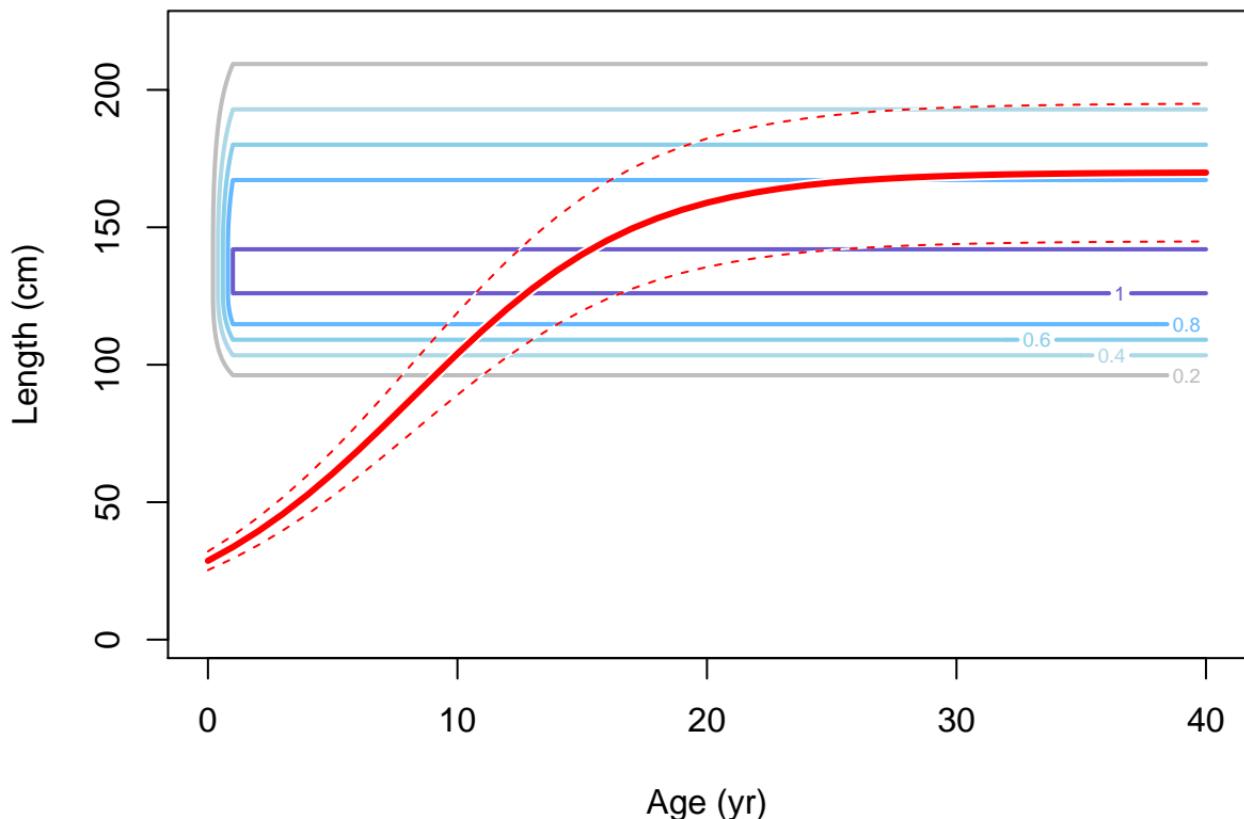
Female ending year selectivity and growth for A6-NOADEL



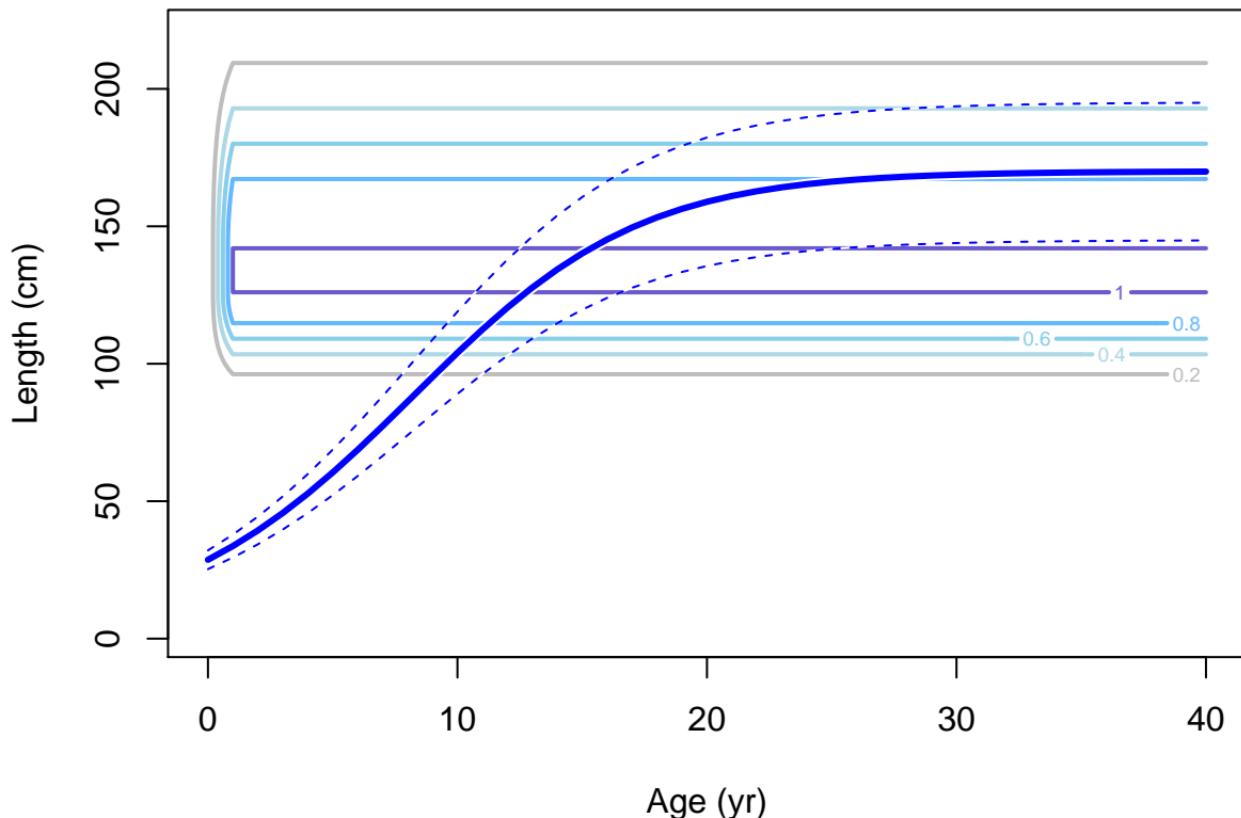
Male ending year selectivity and growth for A6–NOADEL



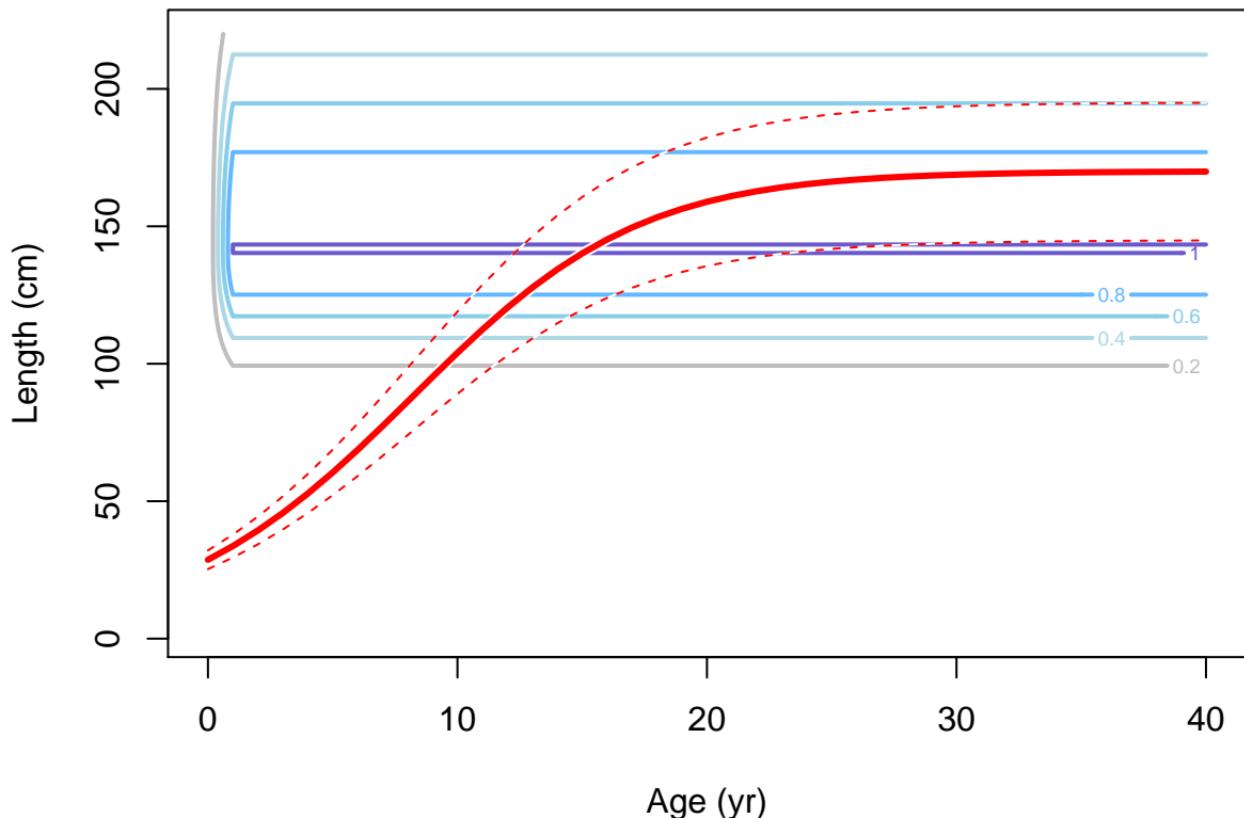
Female ending year selectivity and growth for EPO-LL-survey-early



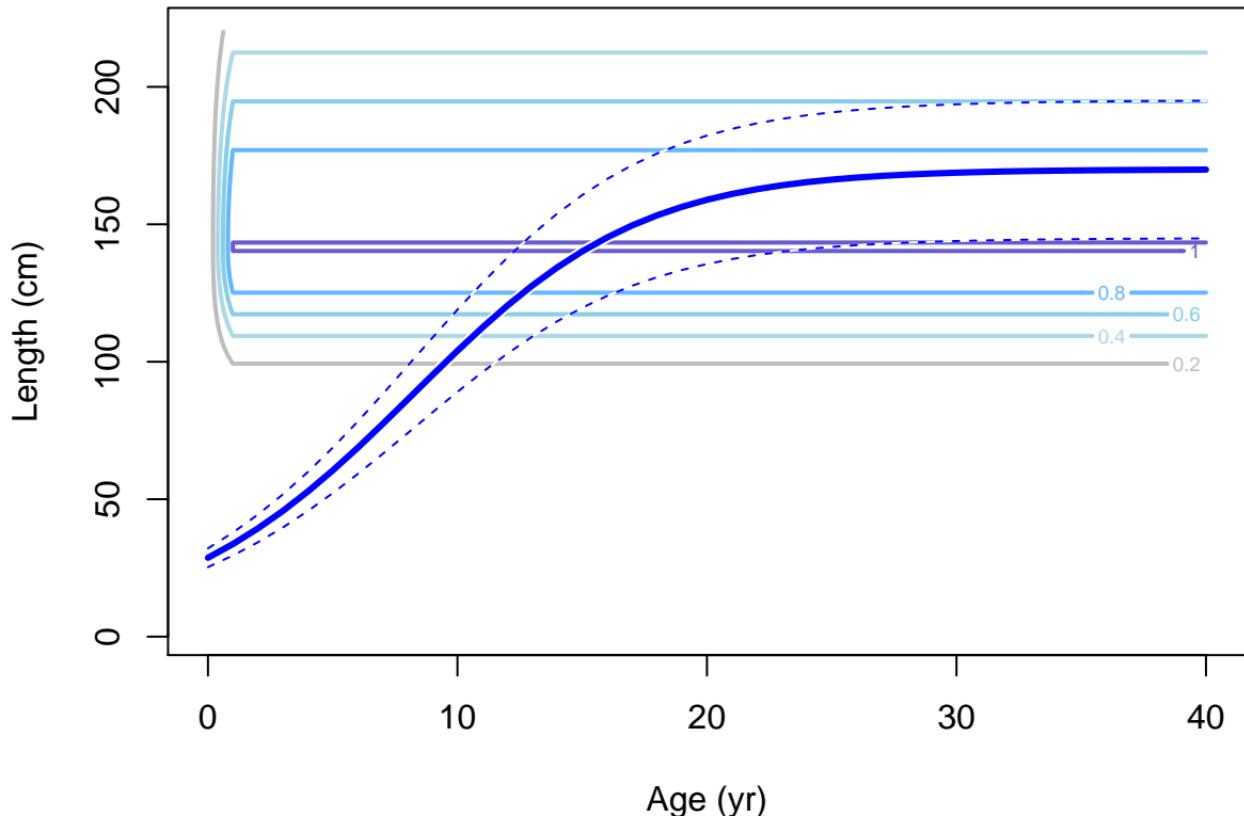
Male ending year selectivity and growth for EPO-LL-survey-early



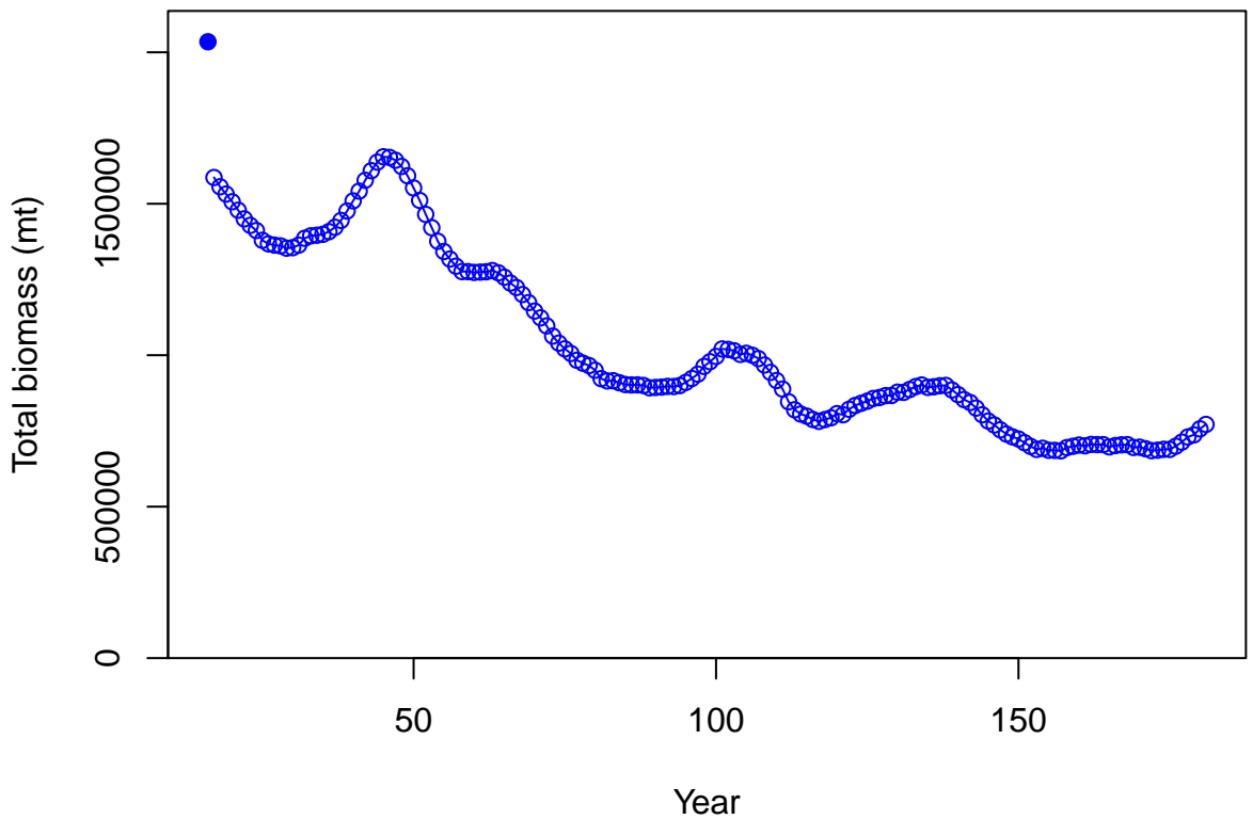
Female ending year selectivity and growth for EPO–LL–survey–late



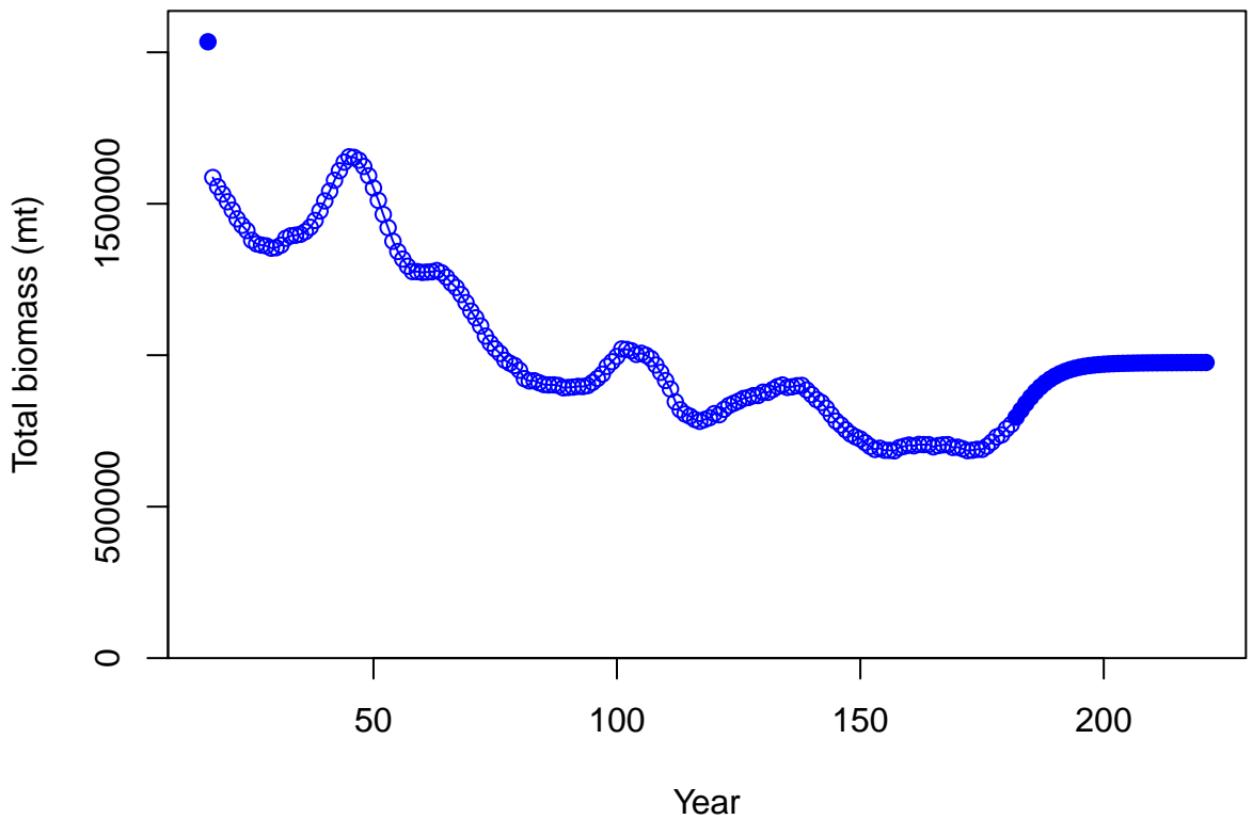
Male ending year selectivity and growth for EPO-LL-survey-late



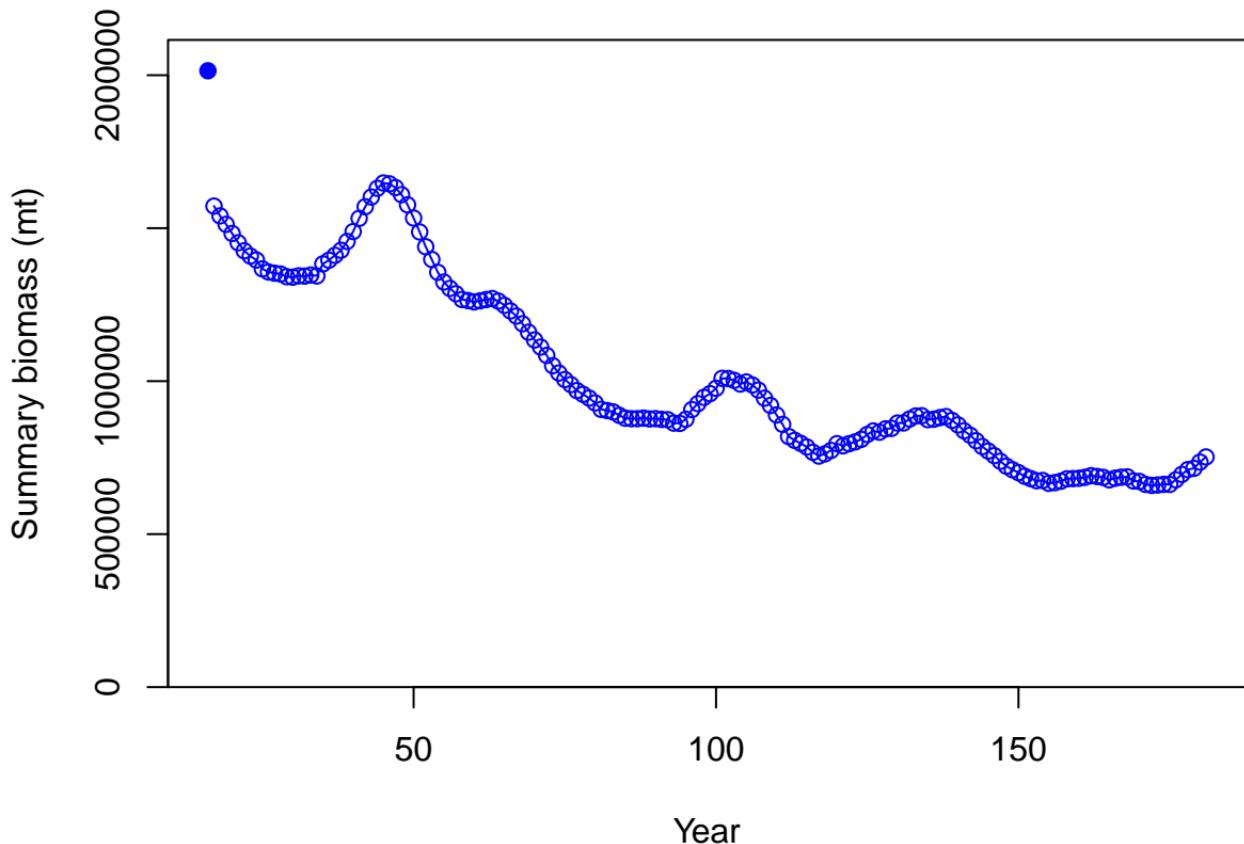
Total biomass (mt)



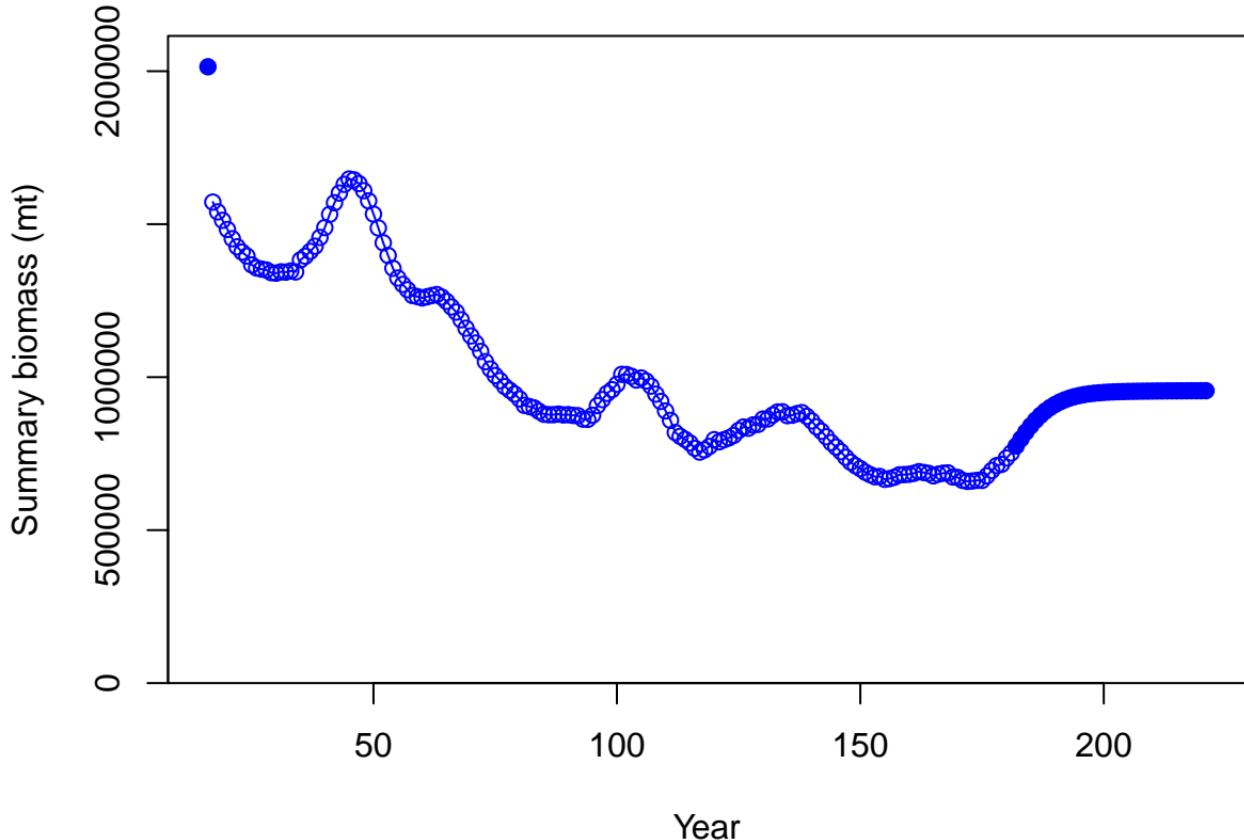
Total biomass (mt) with forecast



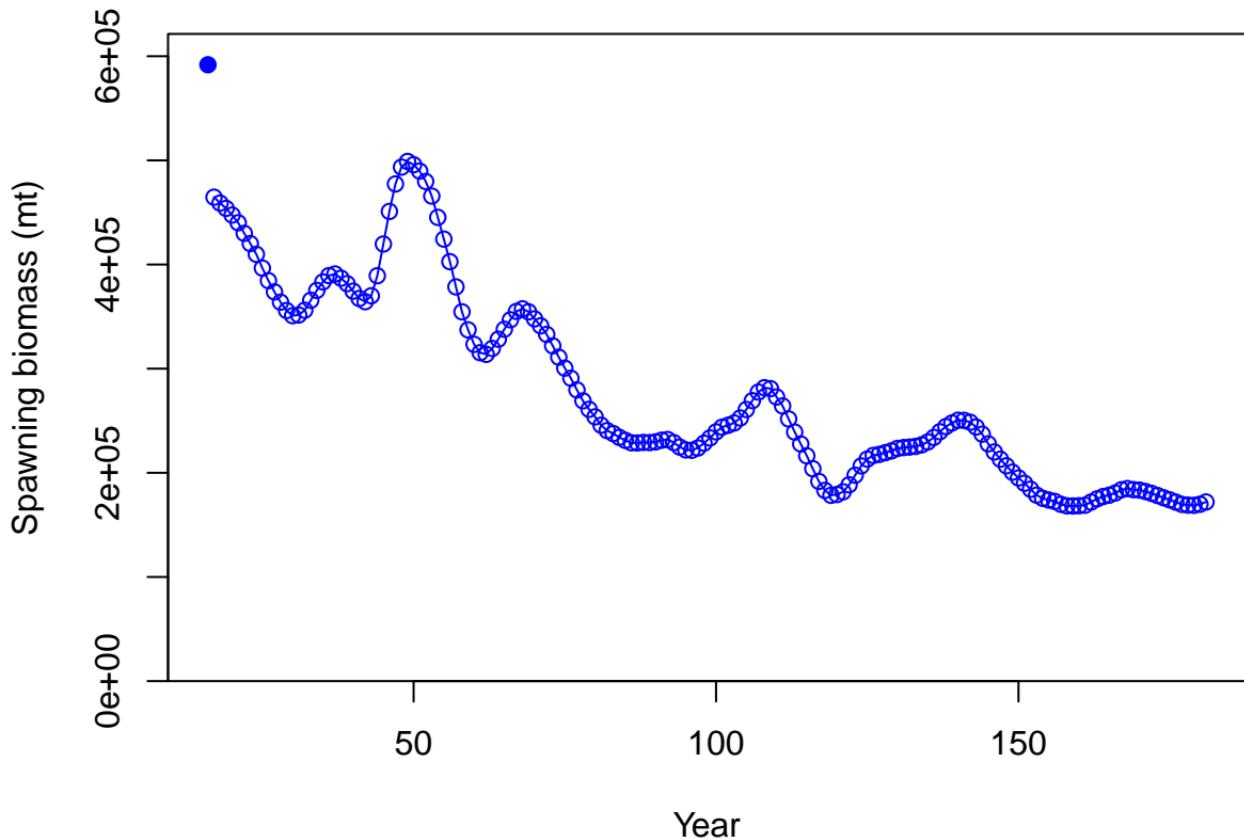
Summary biomass (mt)



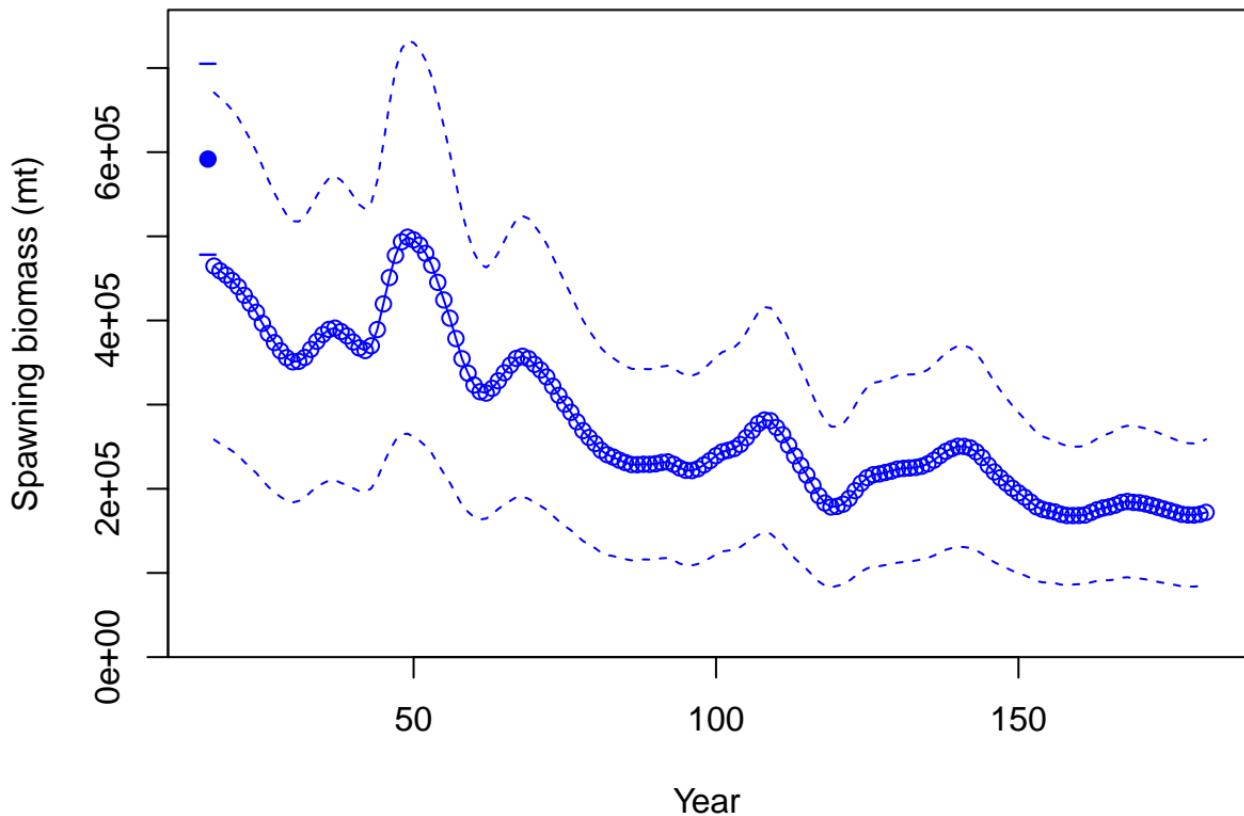
Summary biomass (mt) with forecast



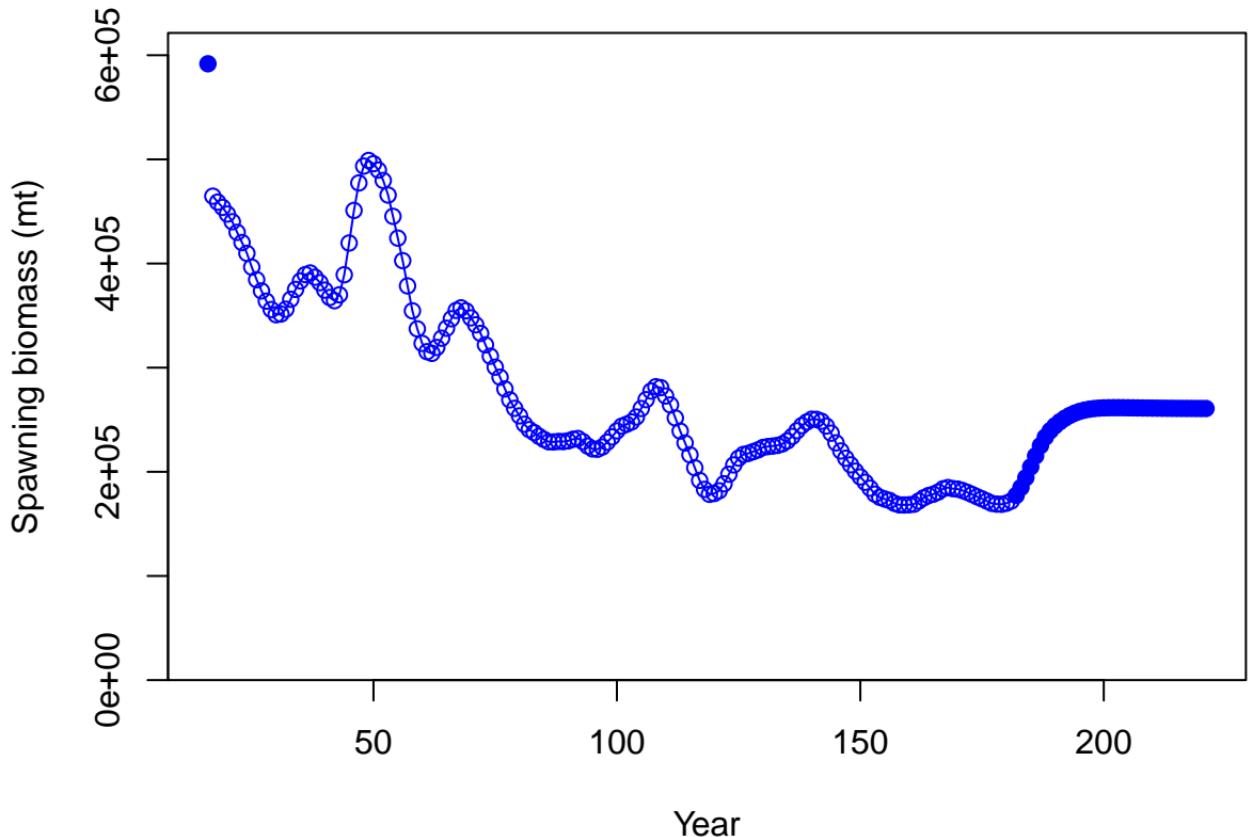
Spawning biomass (mt)



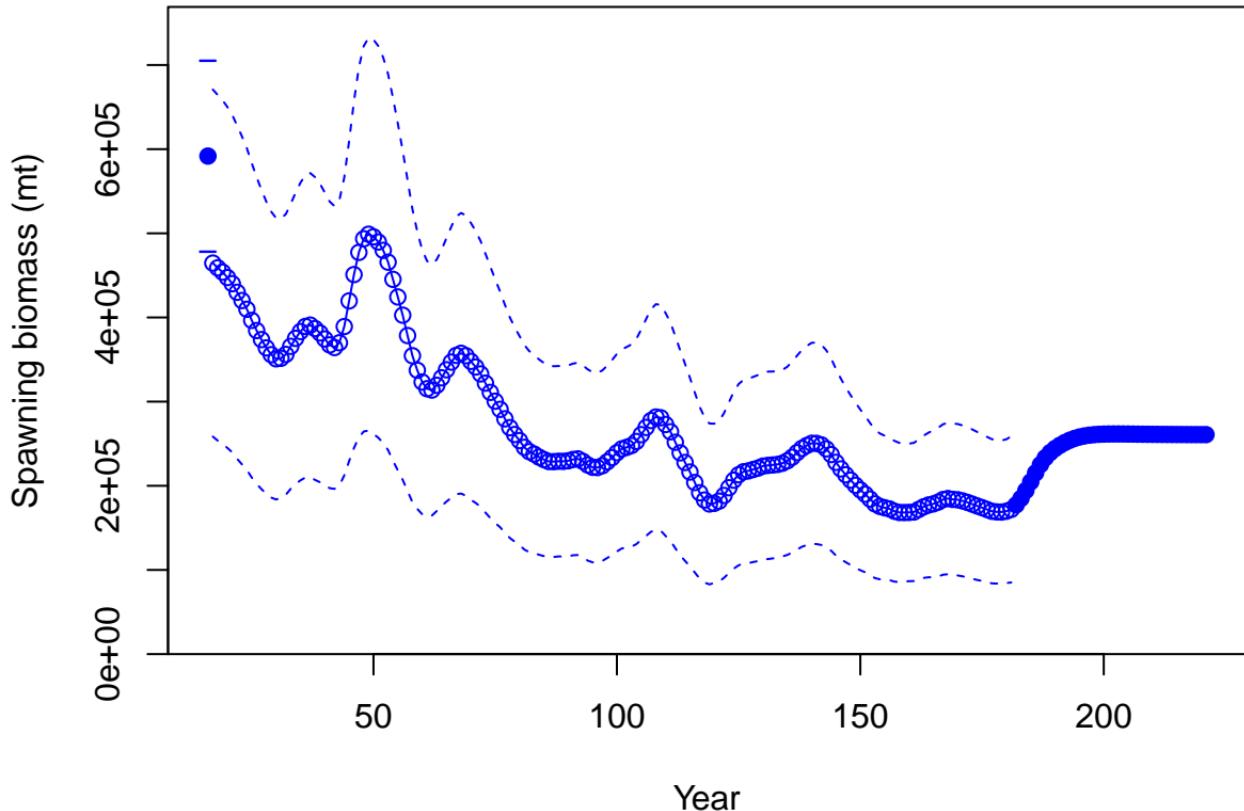
Spawning biomass (mt) with ~95% asymptotic intervals



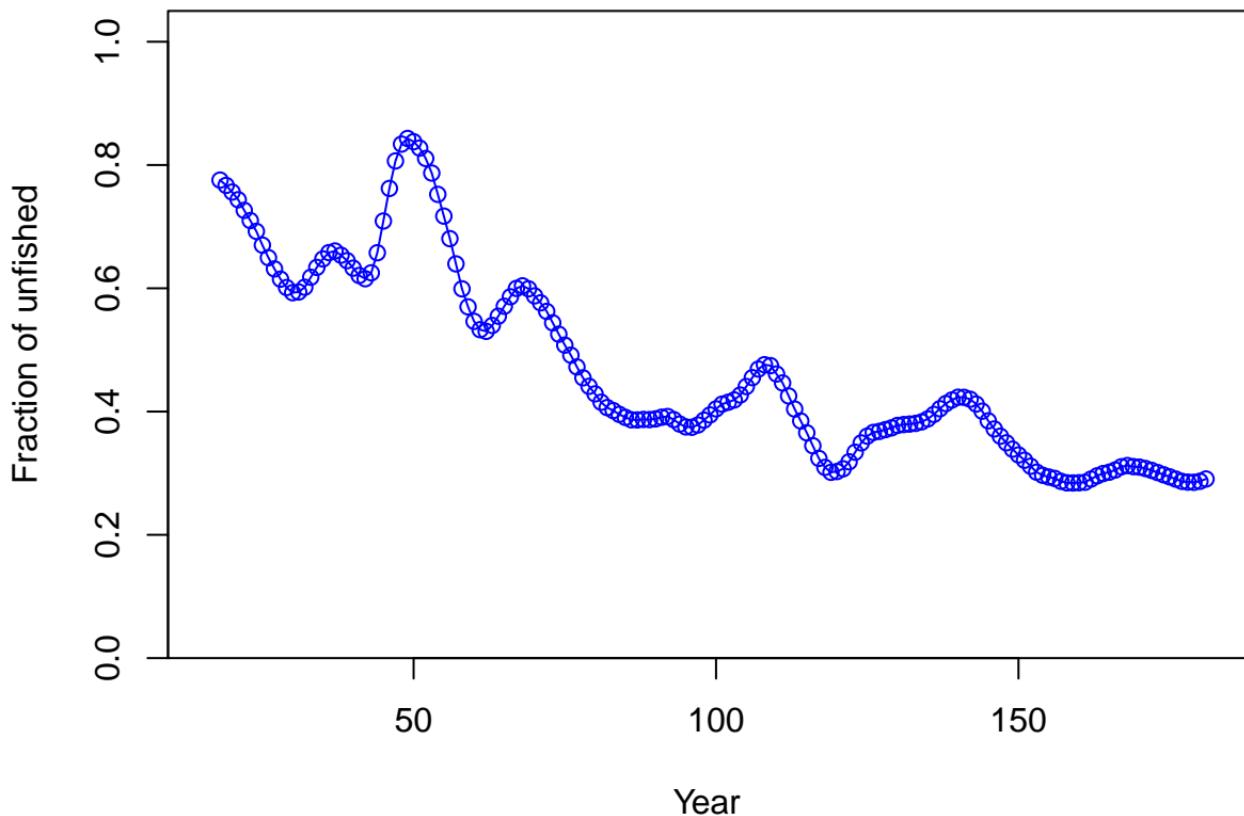
Spawning biomass (mt) with forecast



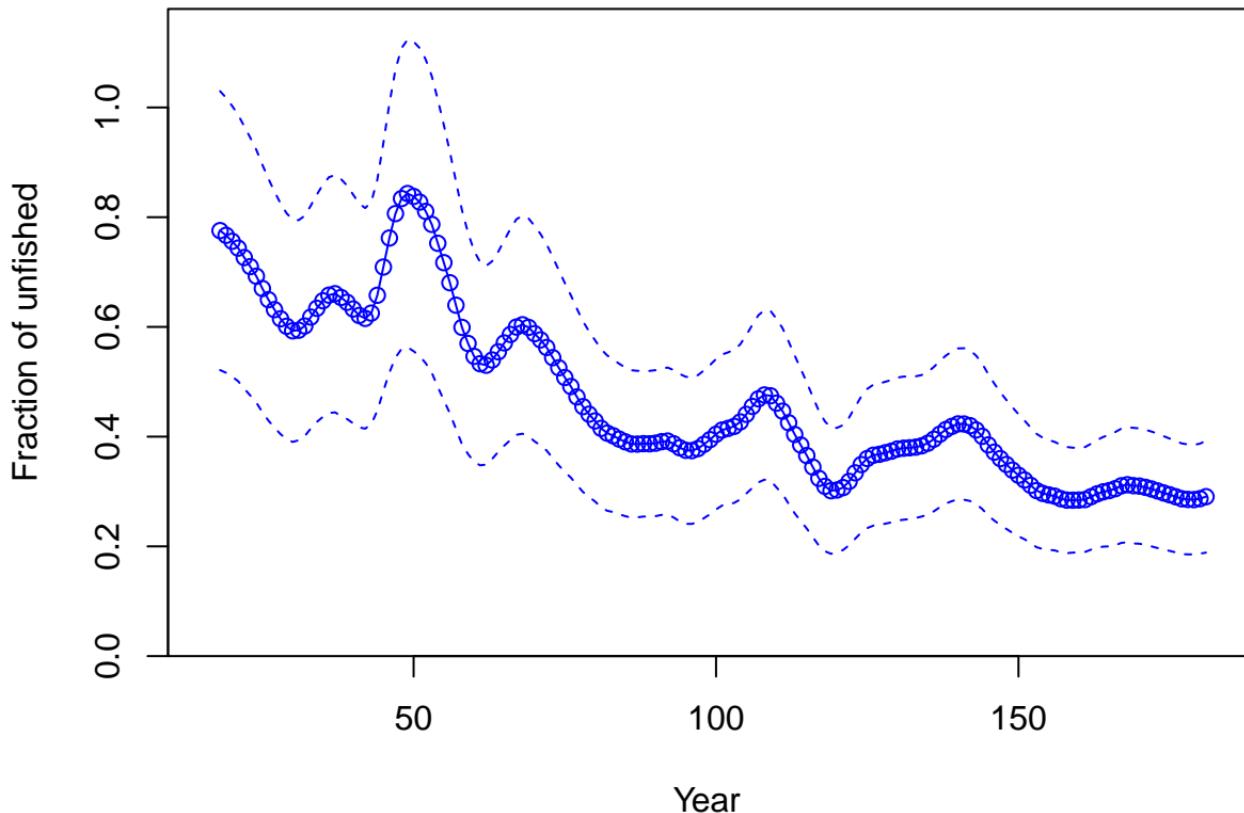
Spawning biomass (mt) with forecast with ~95% asymptotic intervals



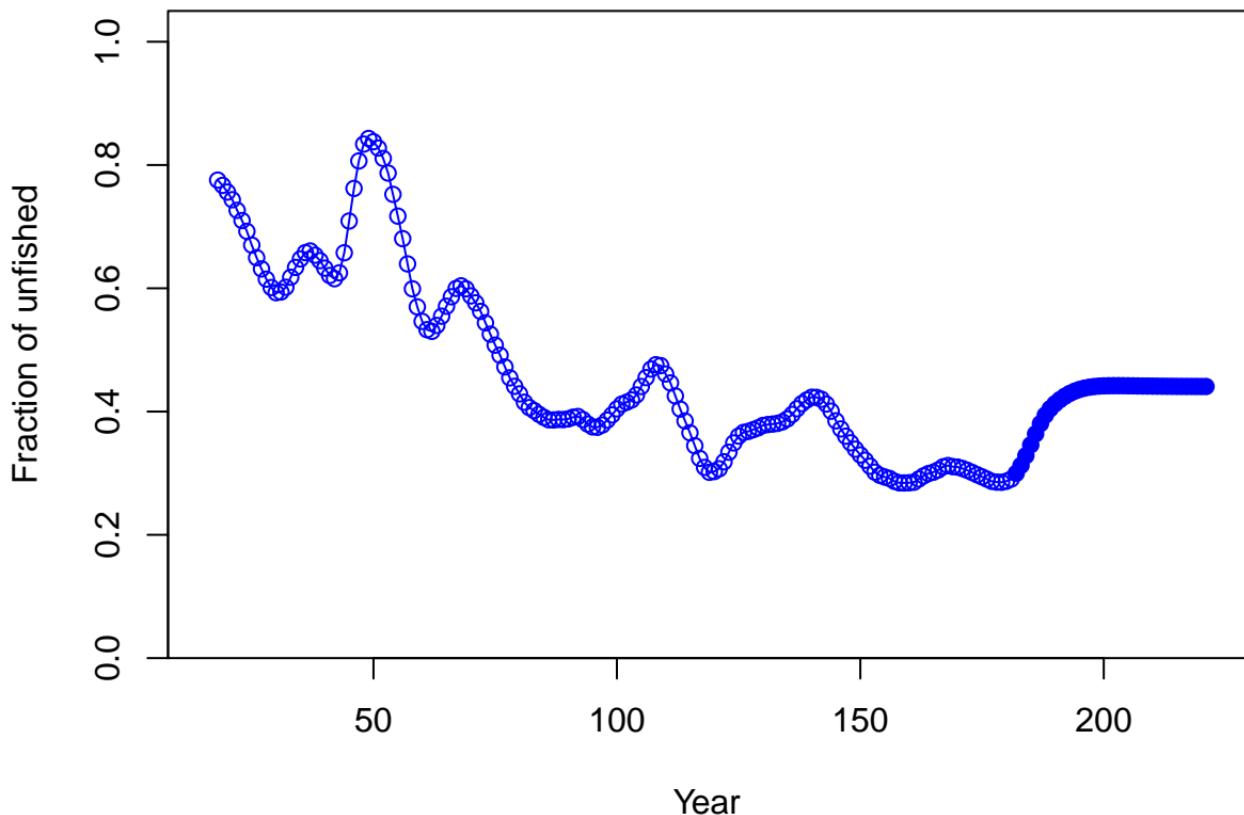
Fraction of unfished



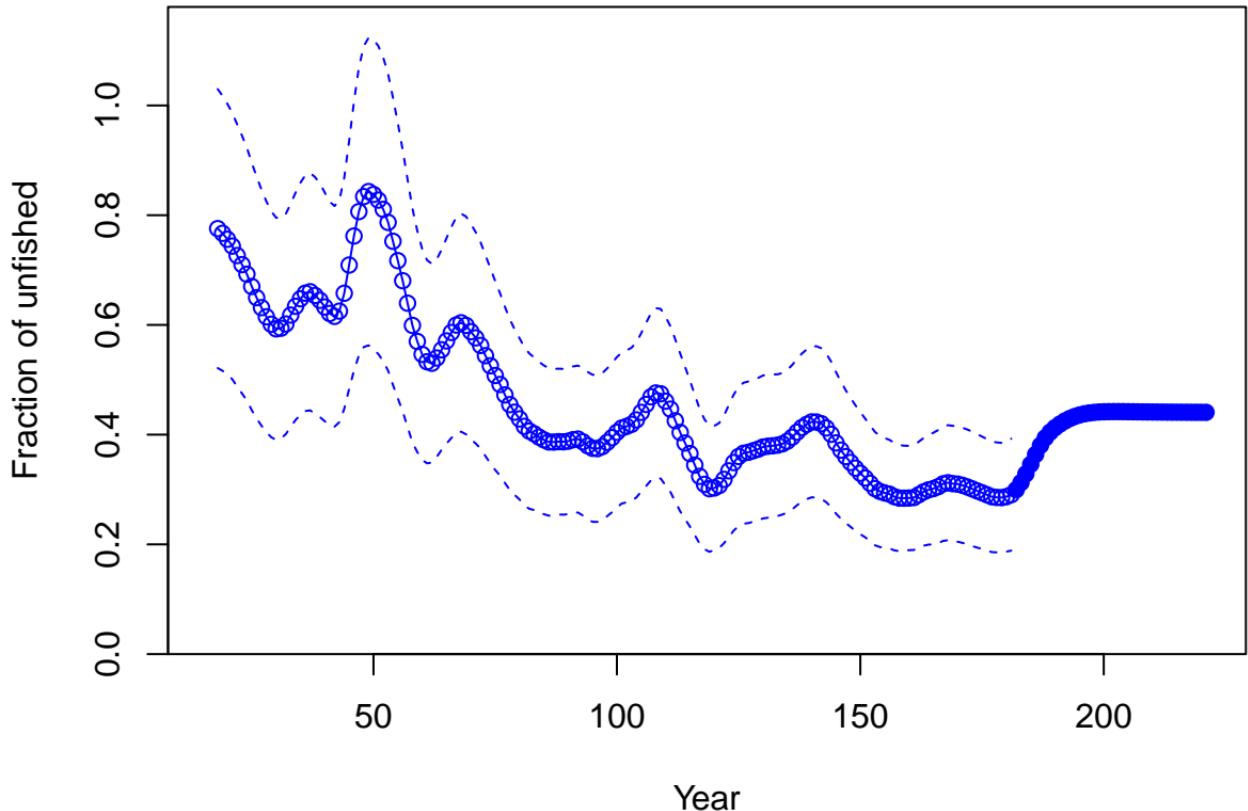
Fraction of unfished with ~95% asymptotic intervals



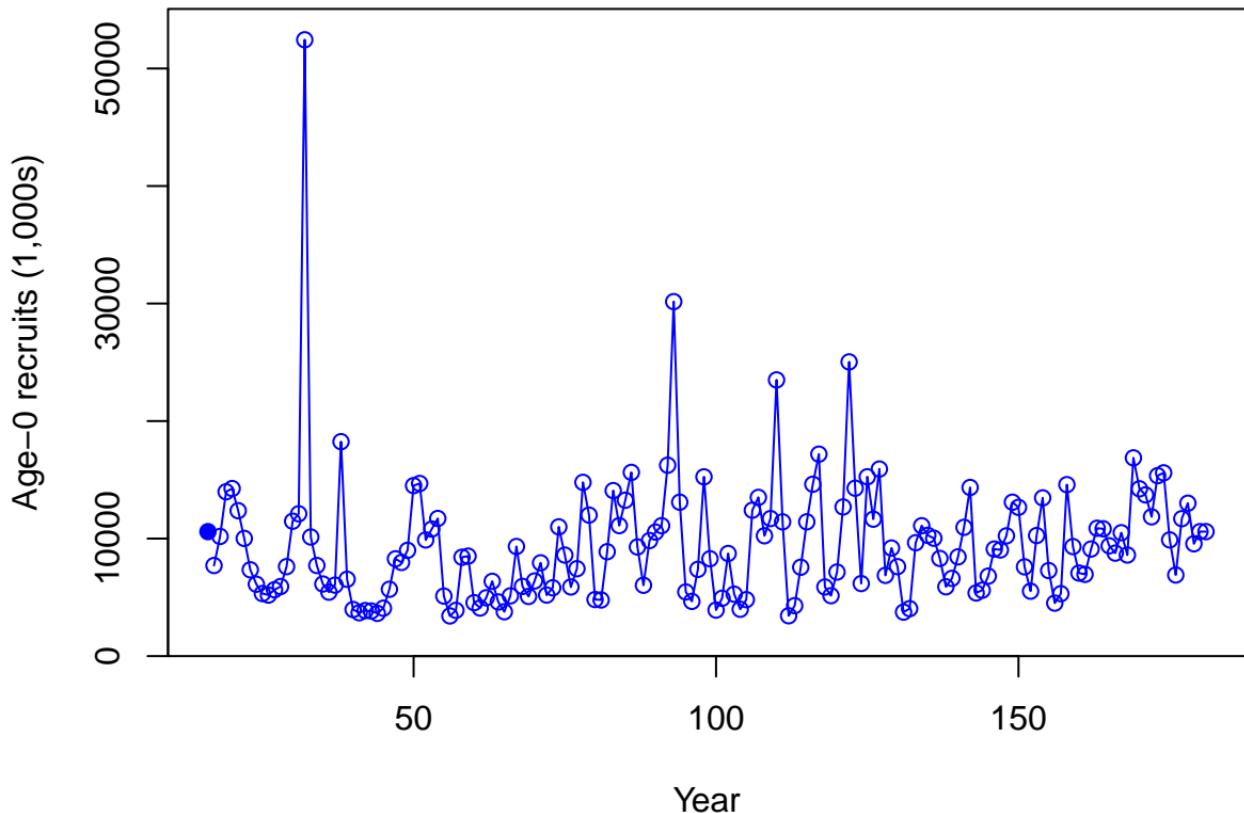
Fraction of unfished with forecast



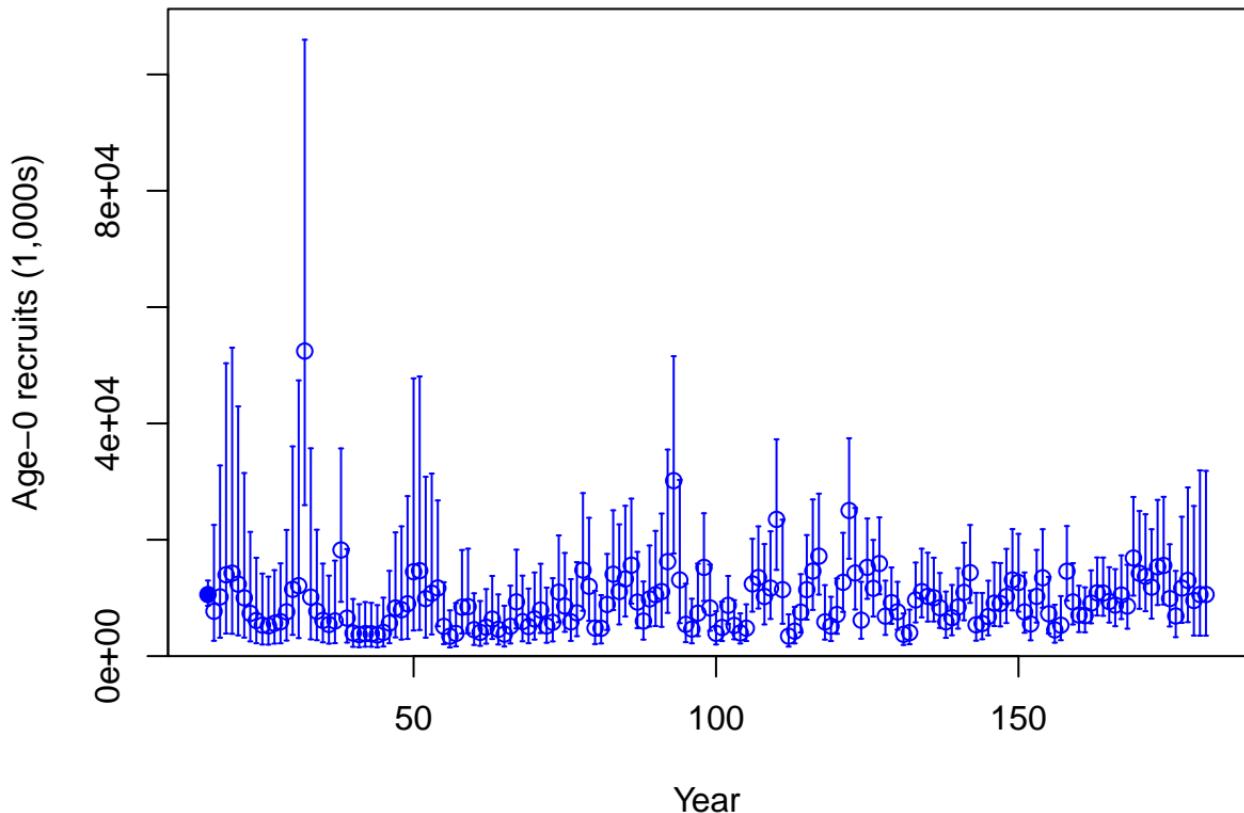
Fraction of unfished with forecast with ~95% asymptotic intervals



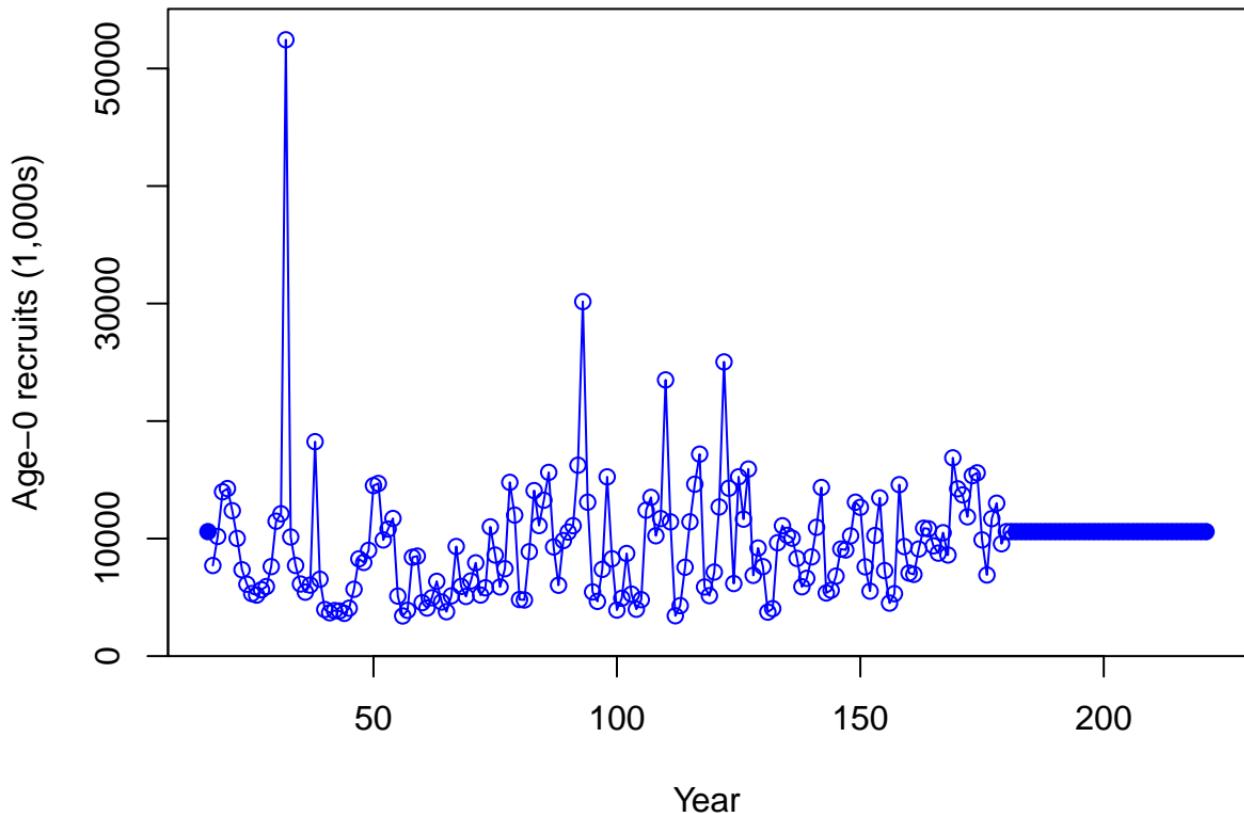
Age-0 recruits (1,000s)



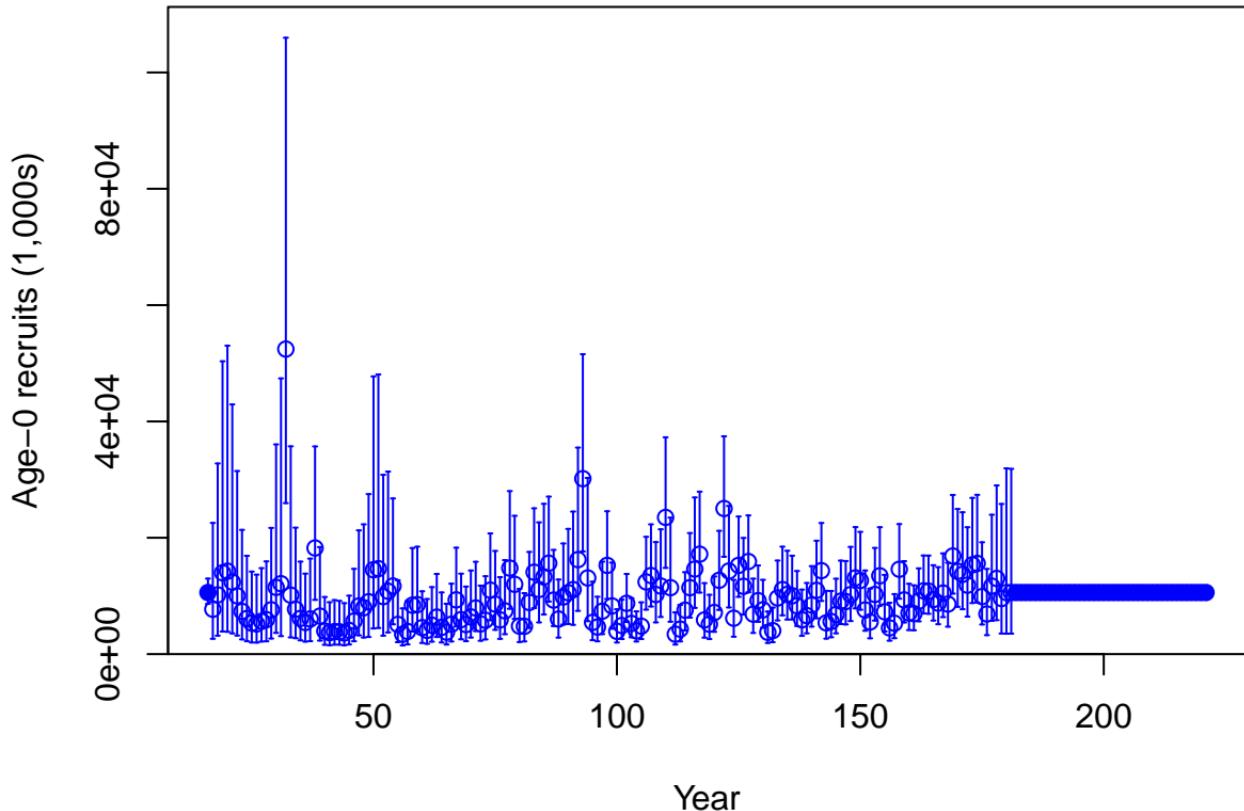
Age-0 recruits (1,000s) with ~95% asymptotic intervals



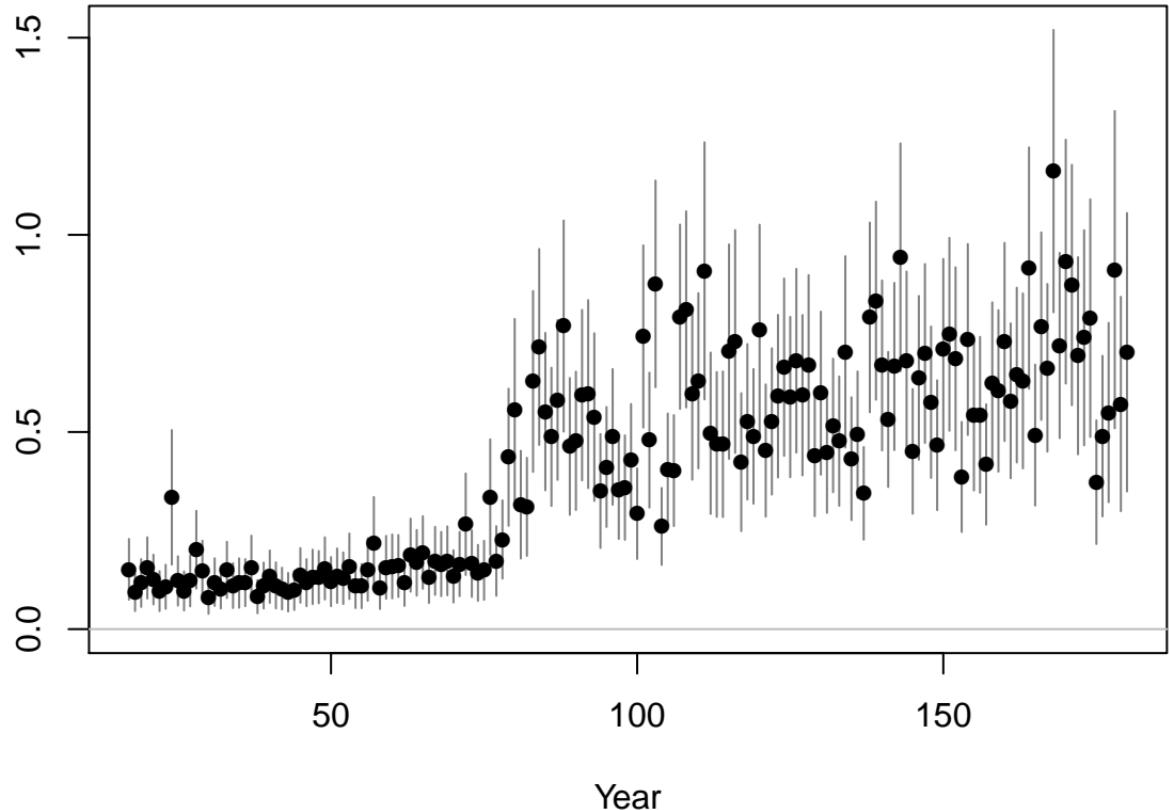
Age-0 recruits (1,000s) with forecast

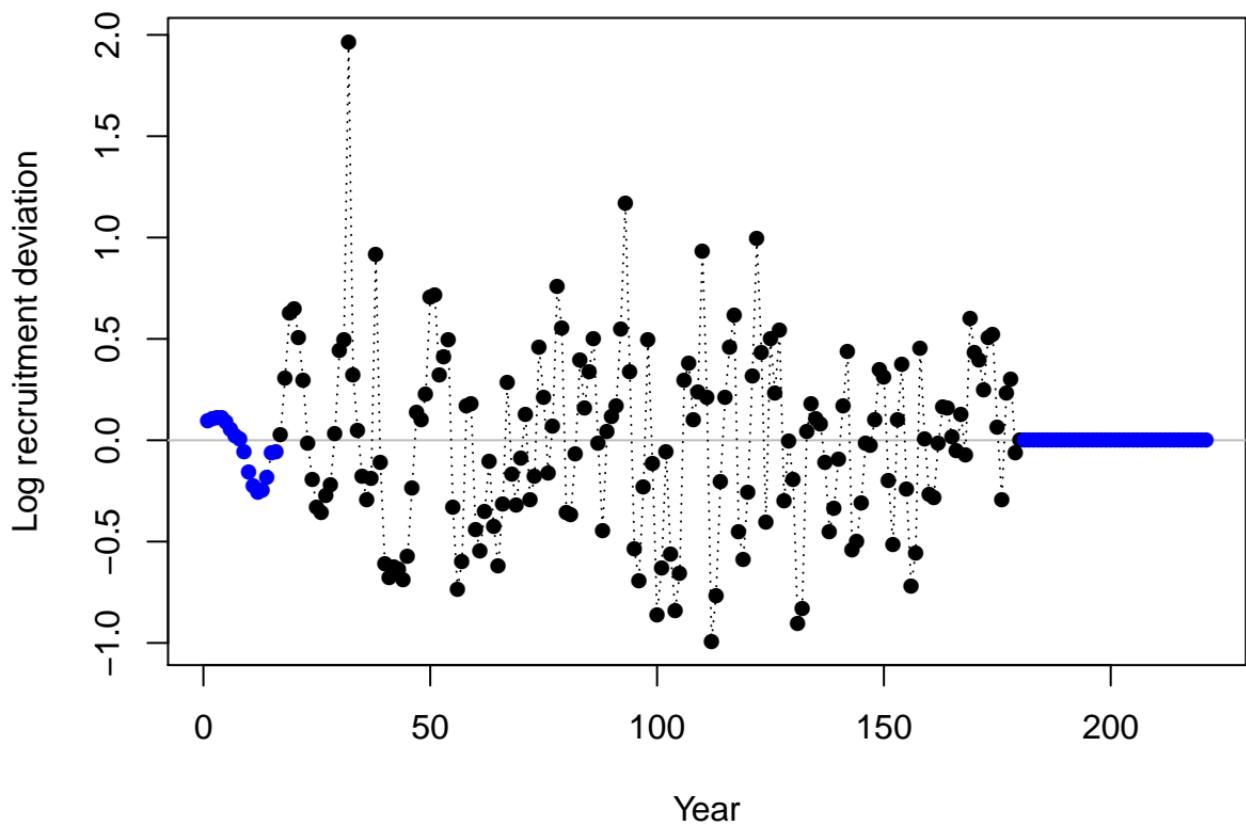


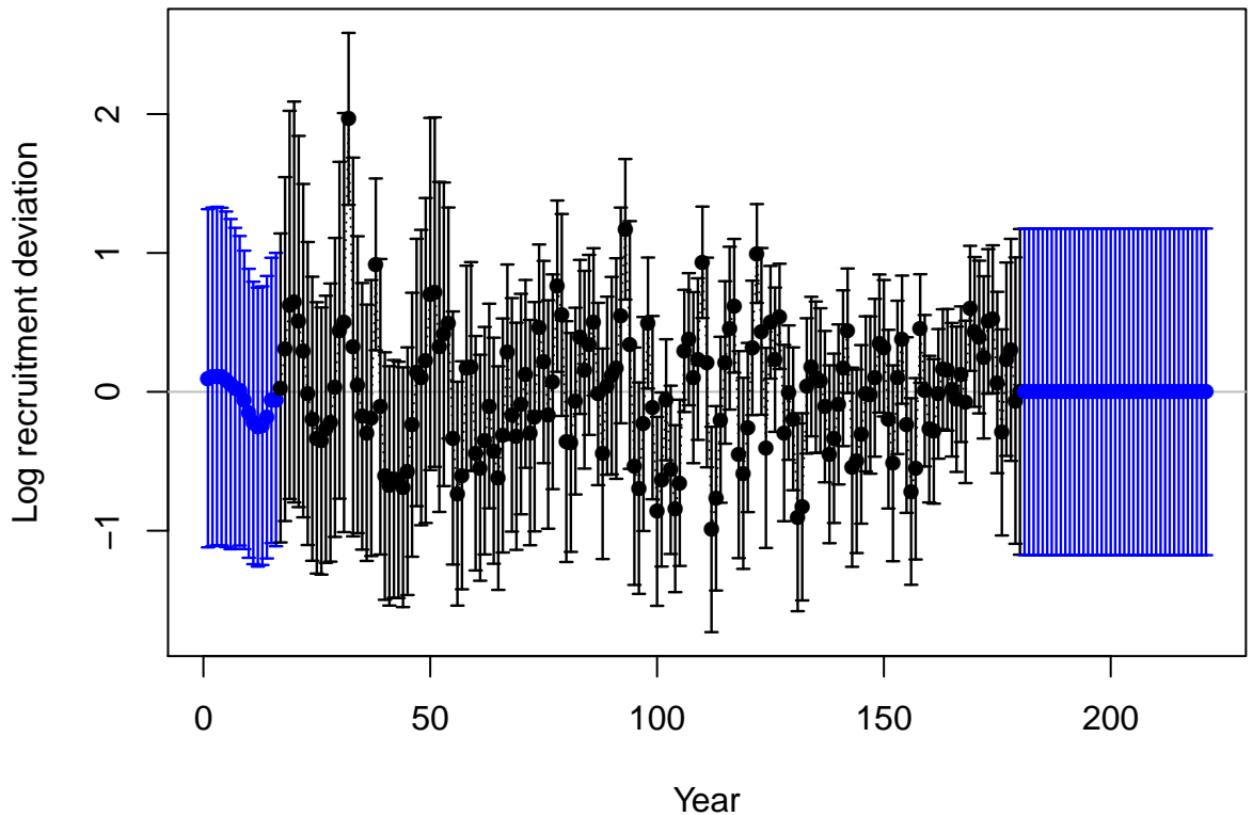
Age-0 recruits (1,000s) with forecast with ~95% asymptotic intervals



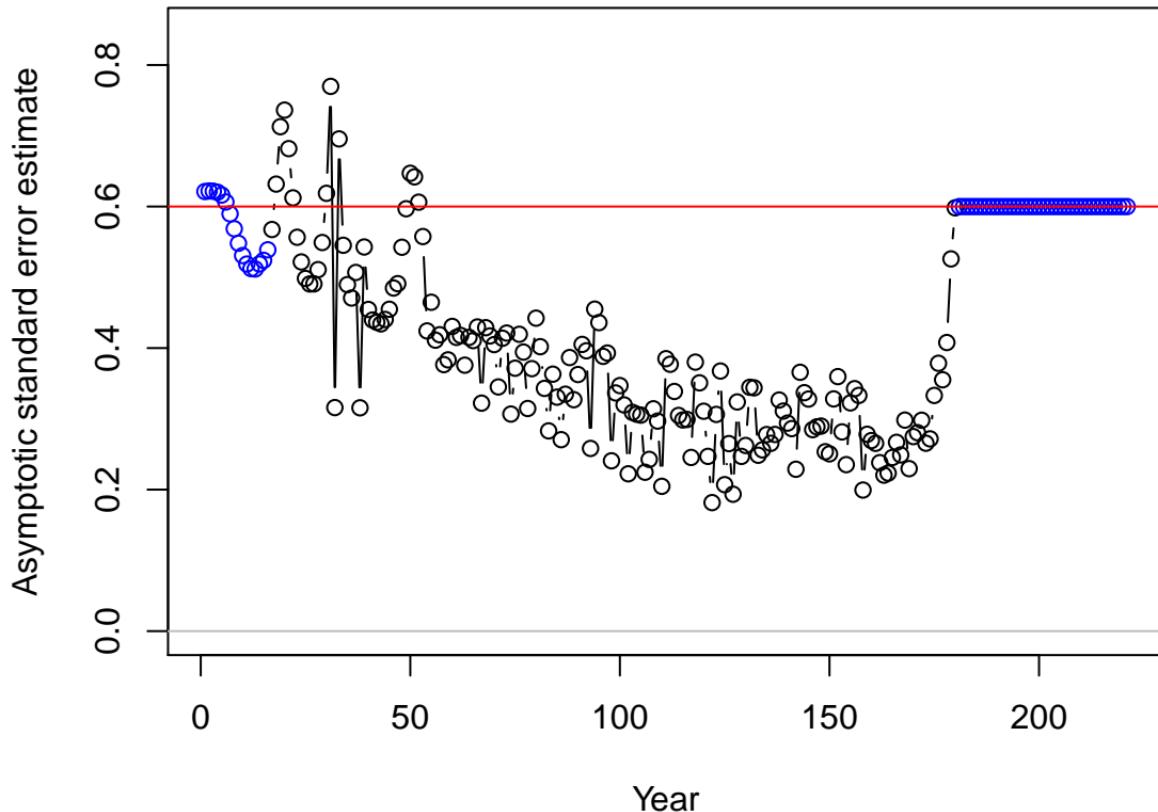
Summary Fishing Mortality

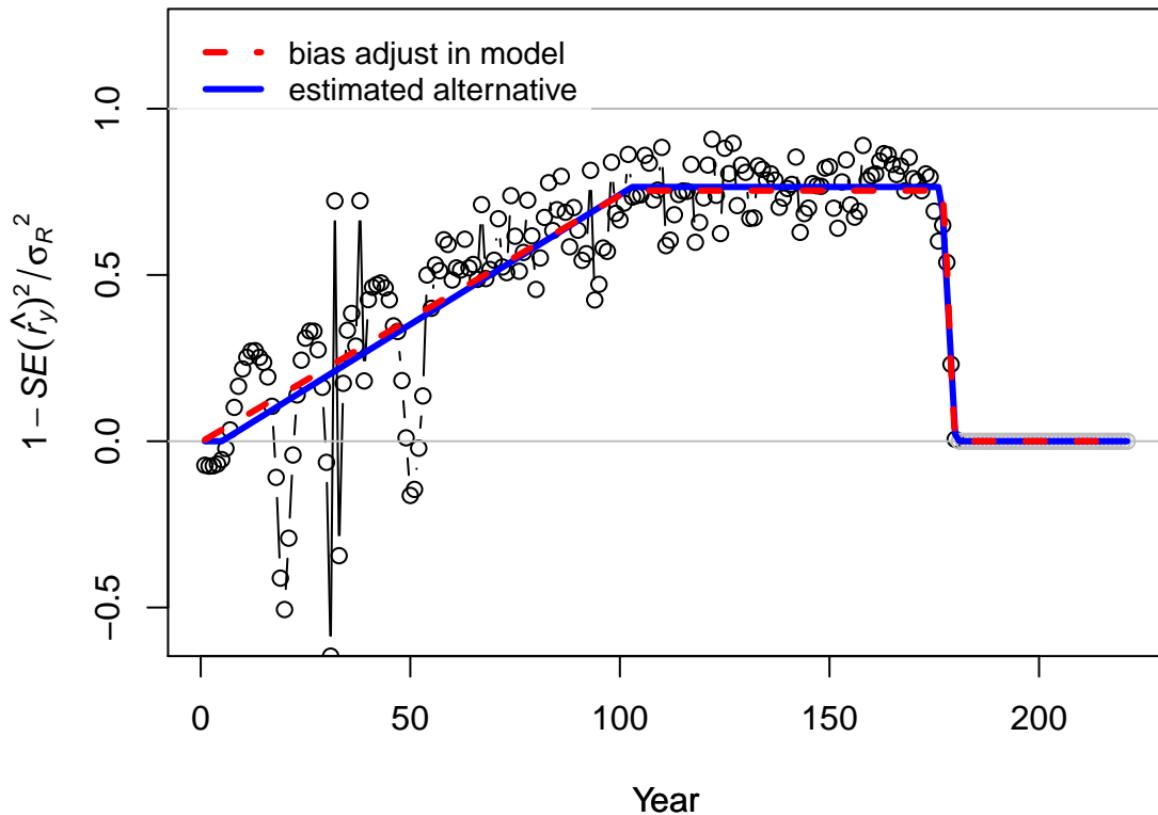


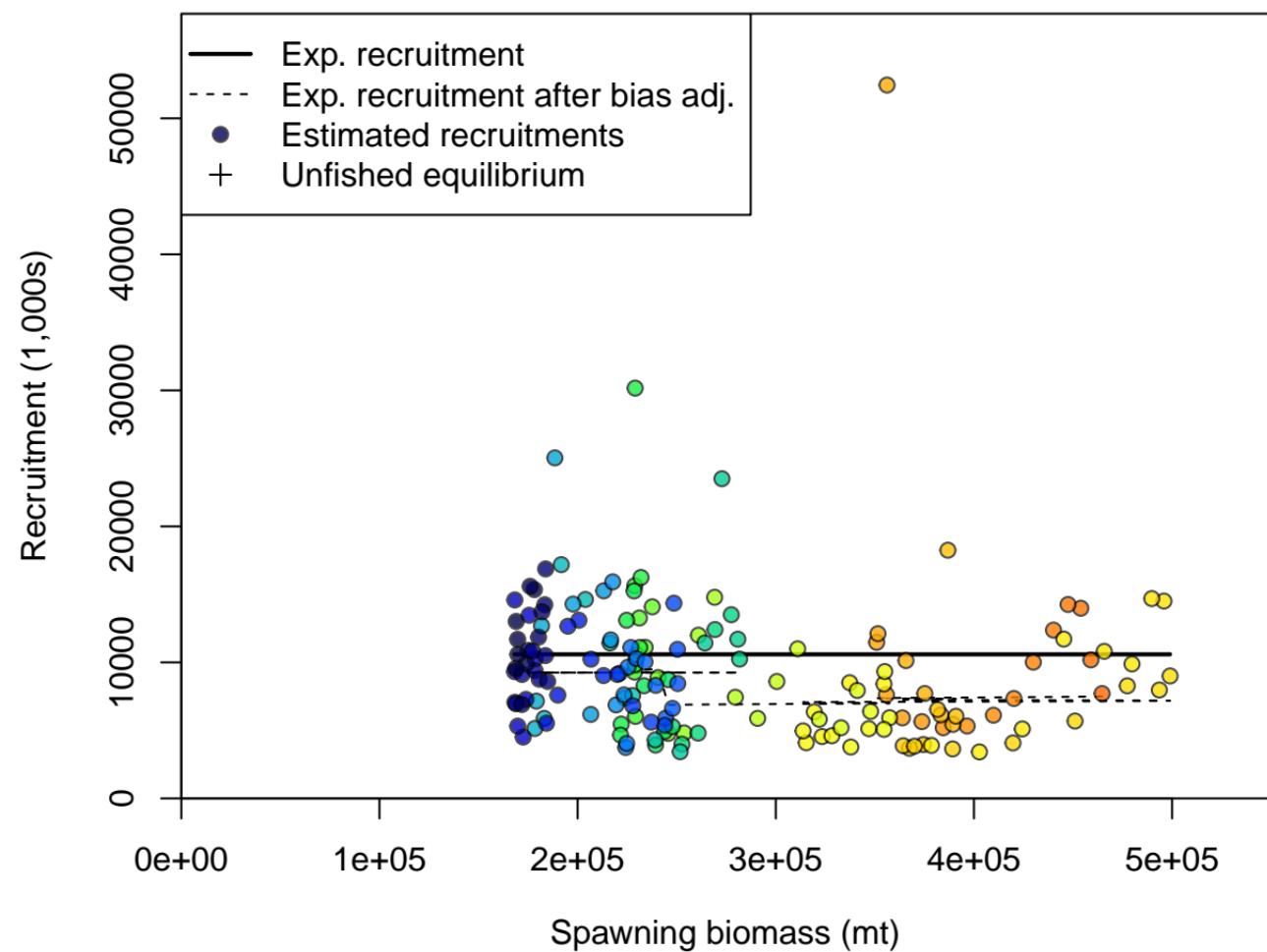


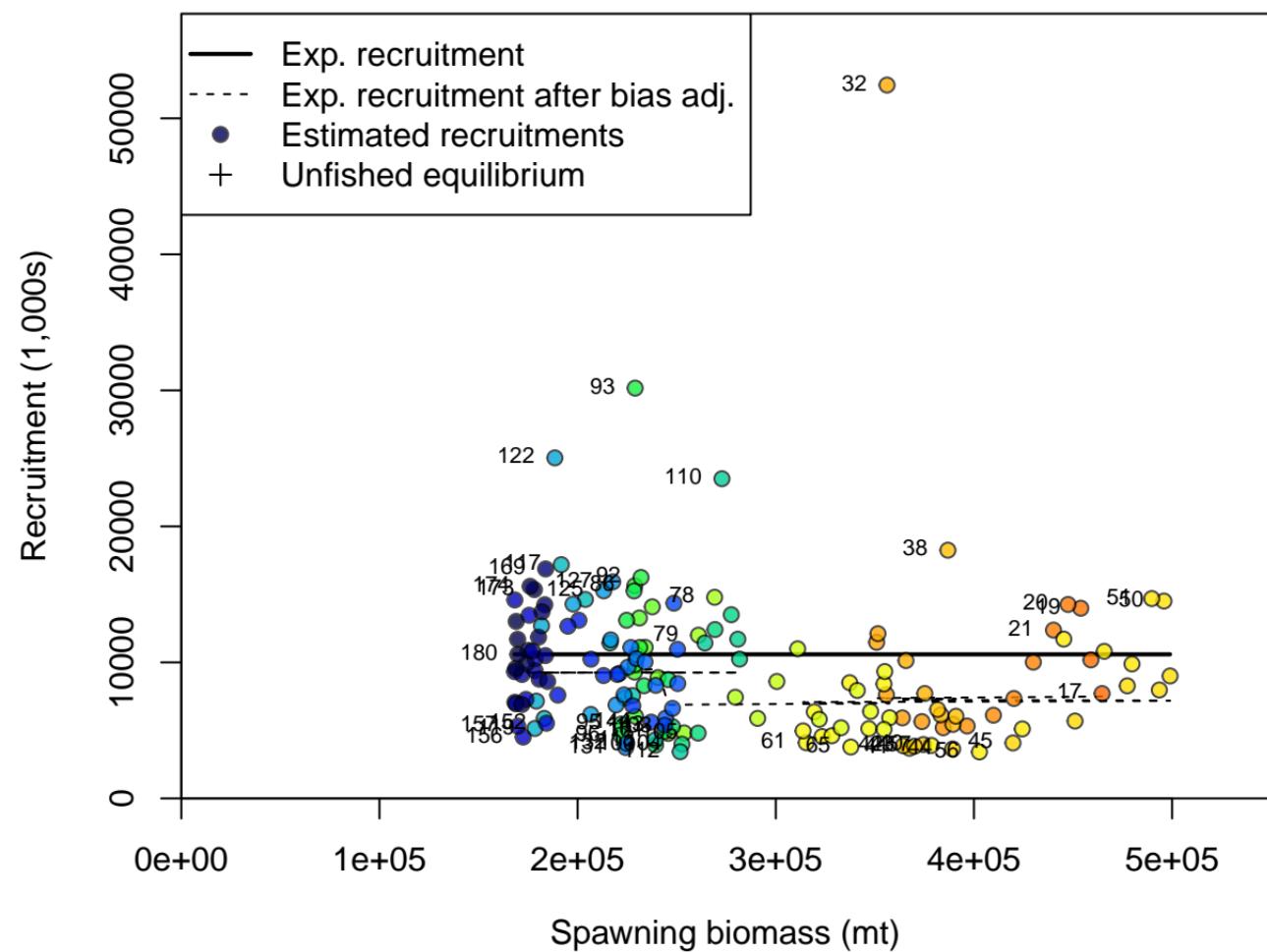


Recruitment deviation variance

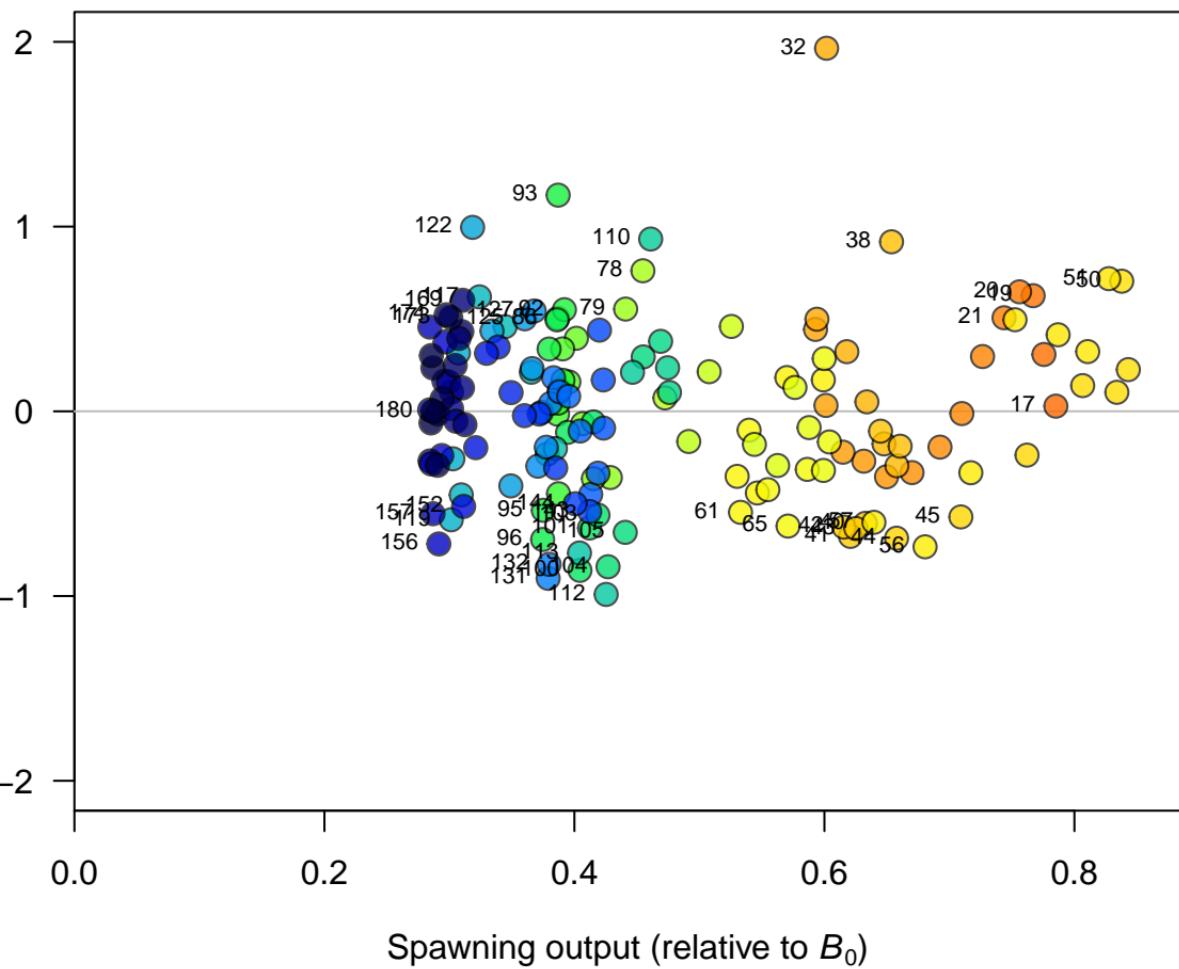


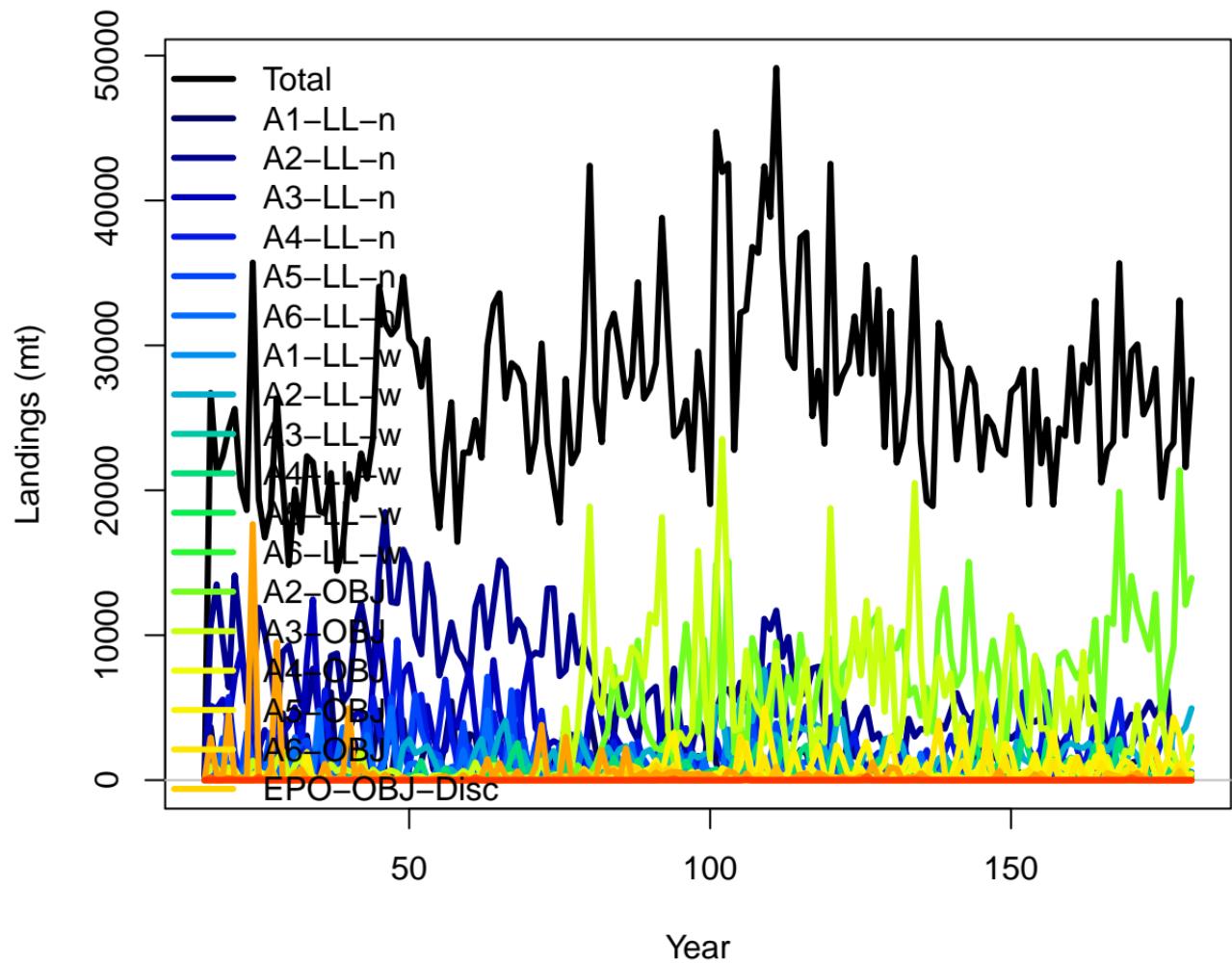


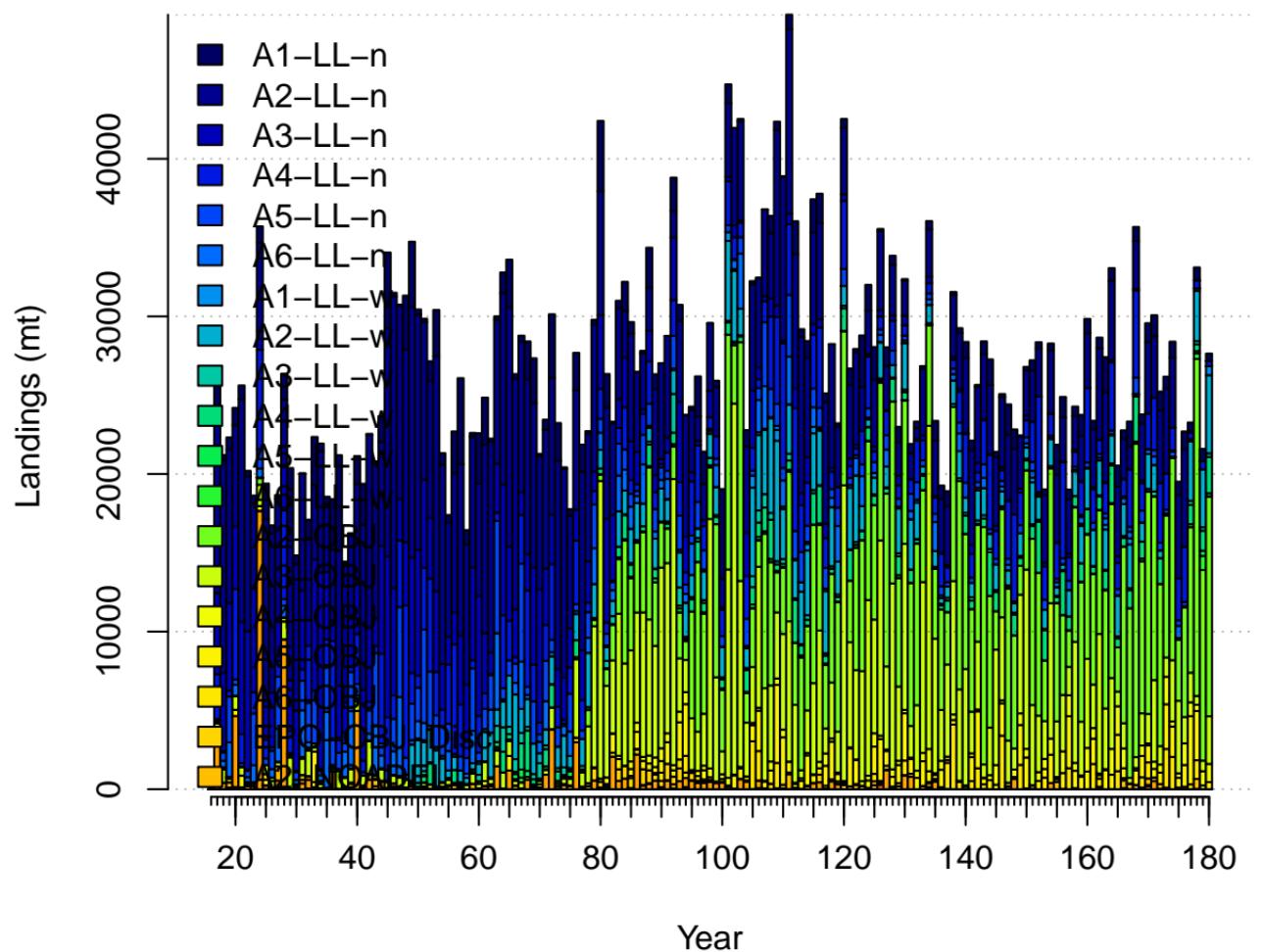


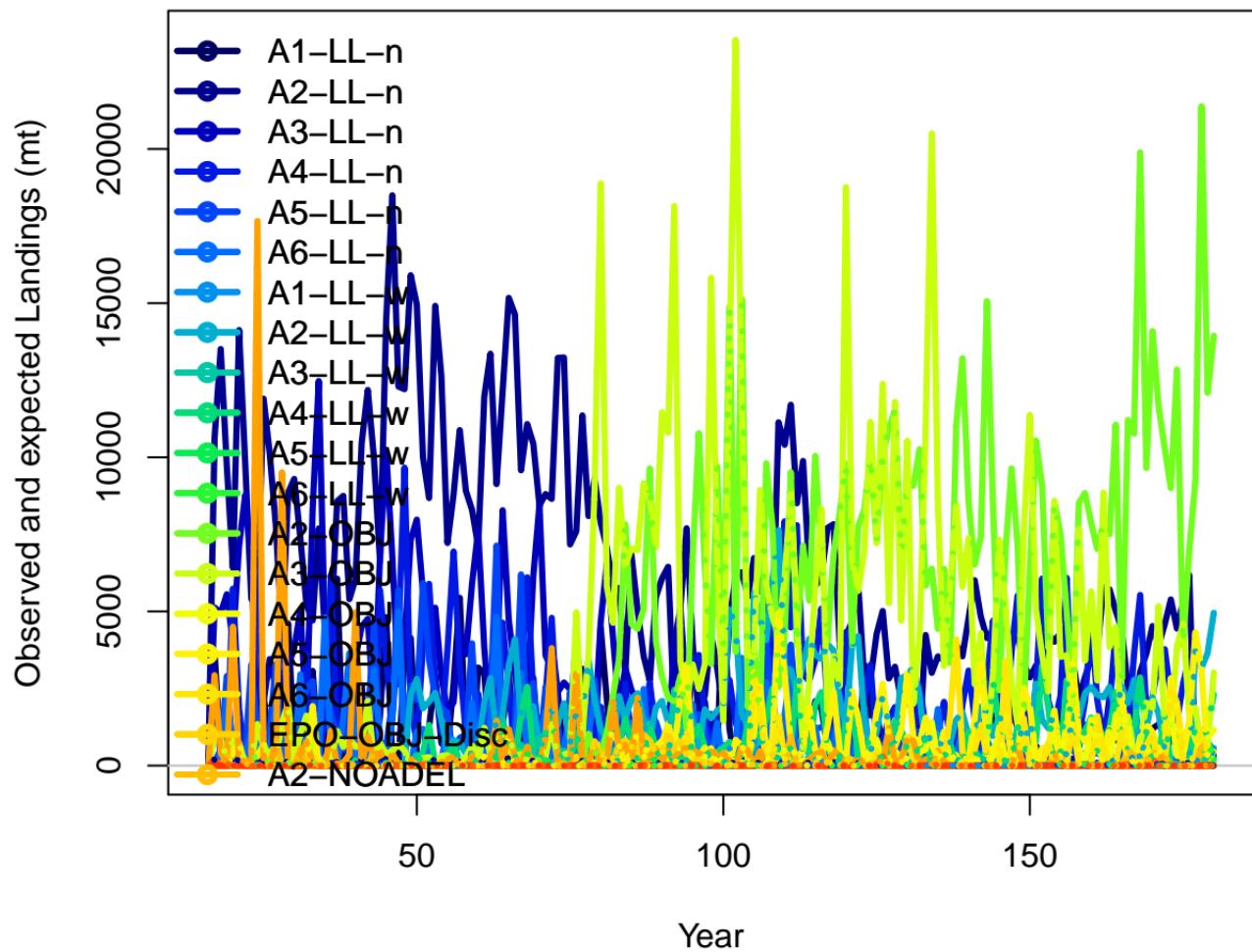


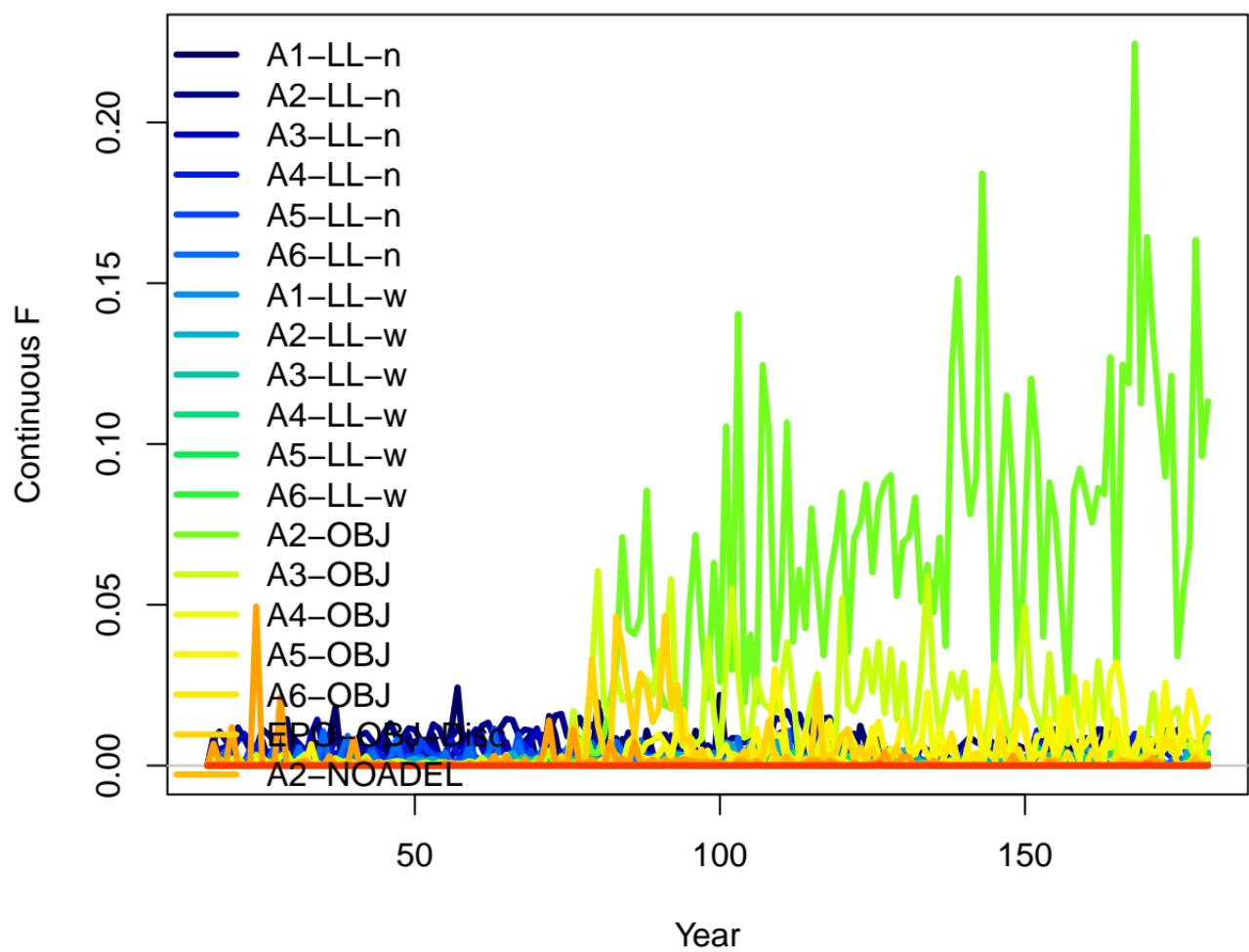
Log recruitment deviation

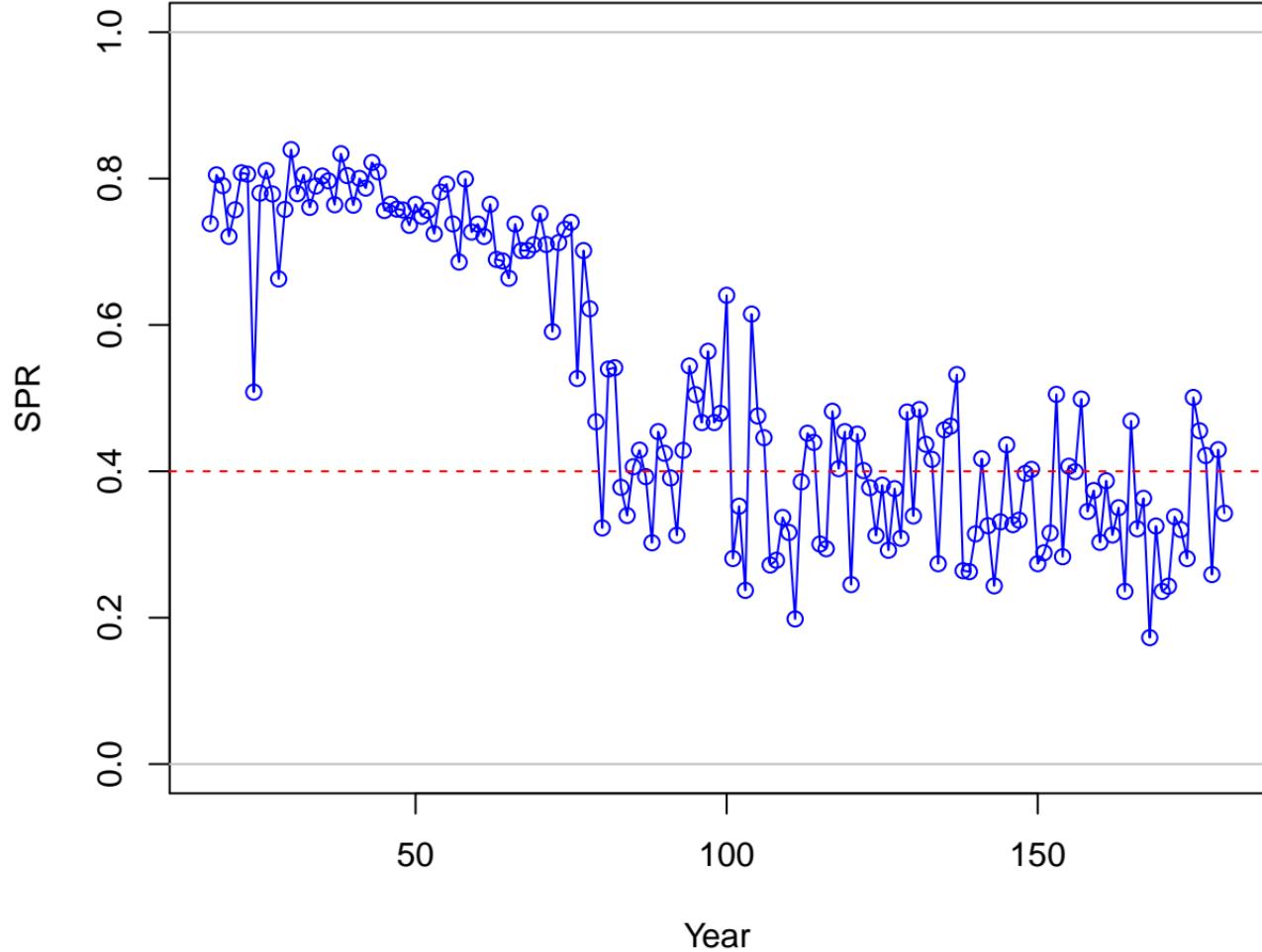


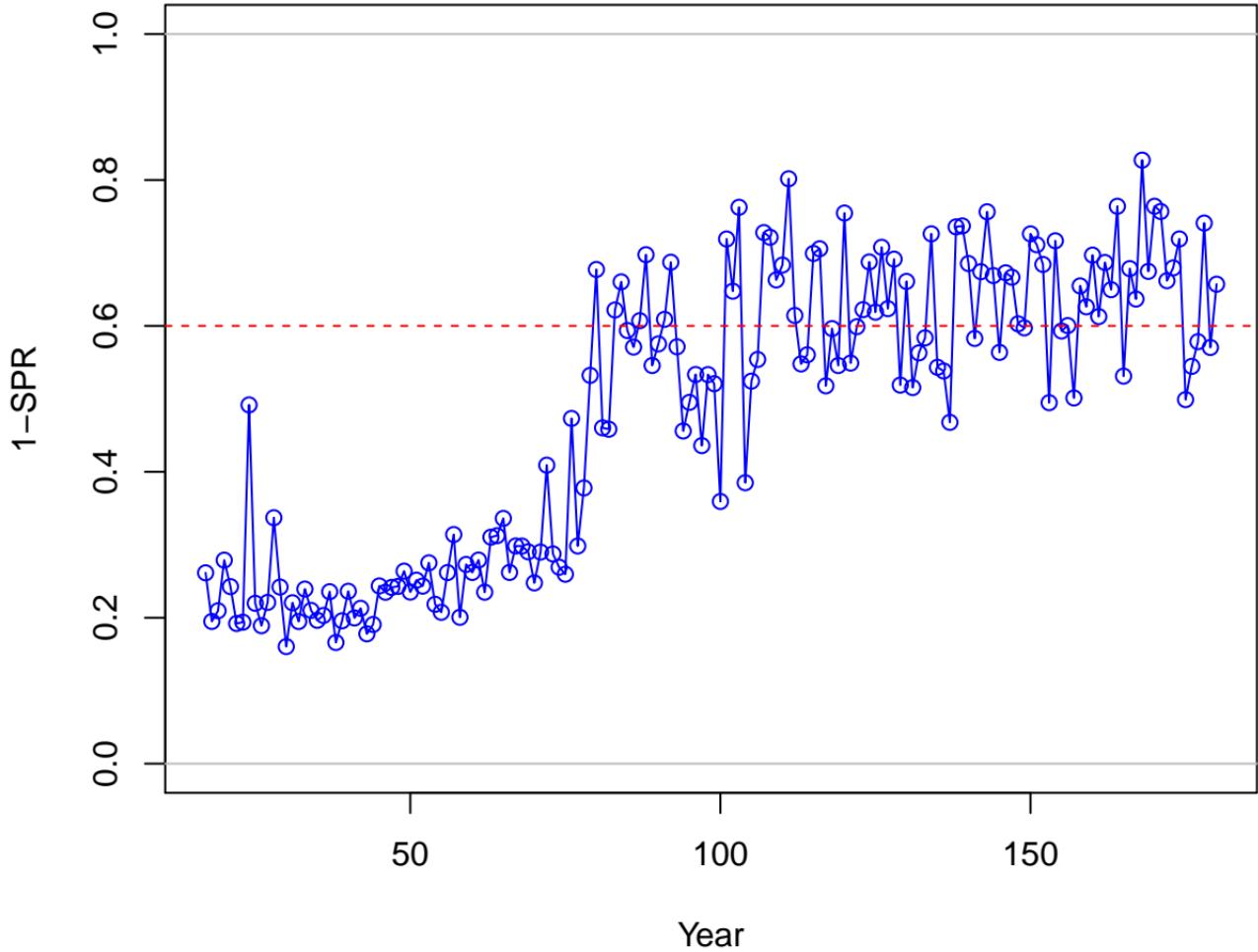


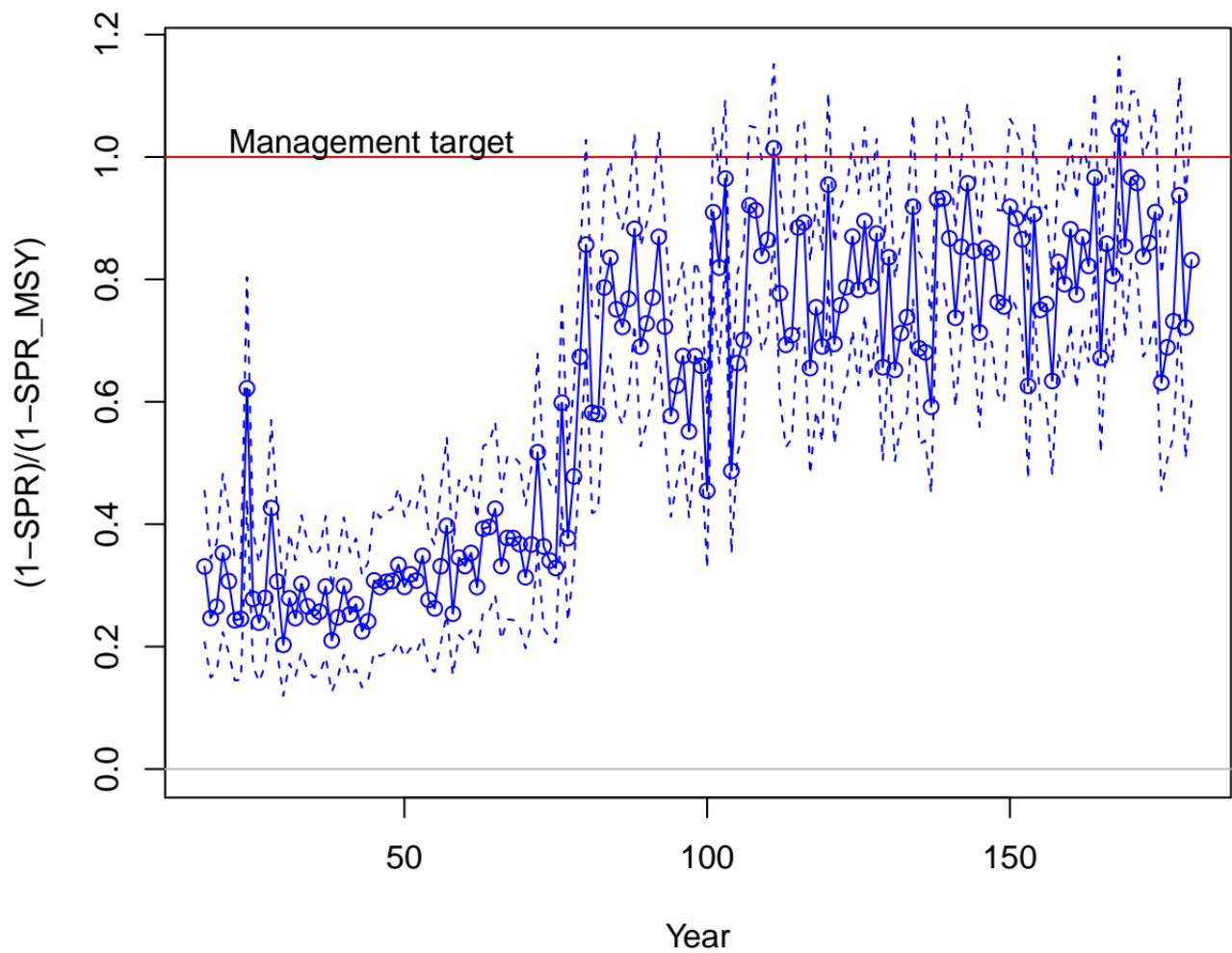


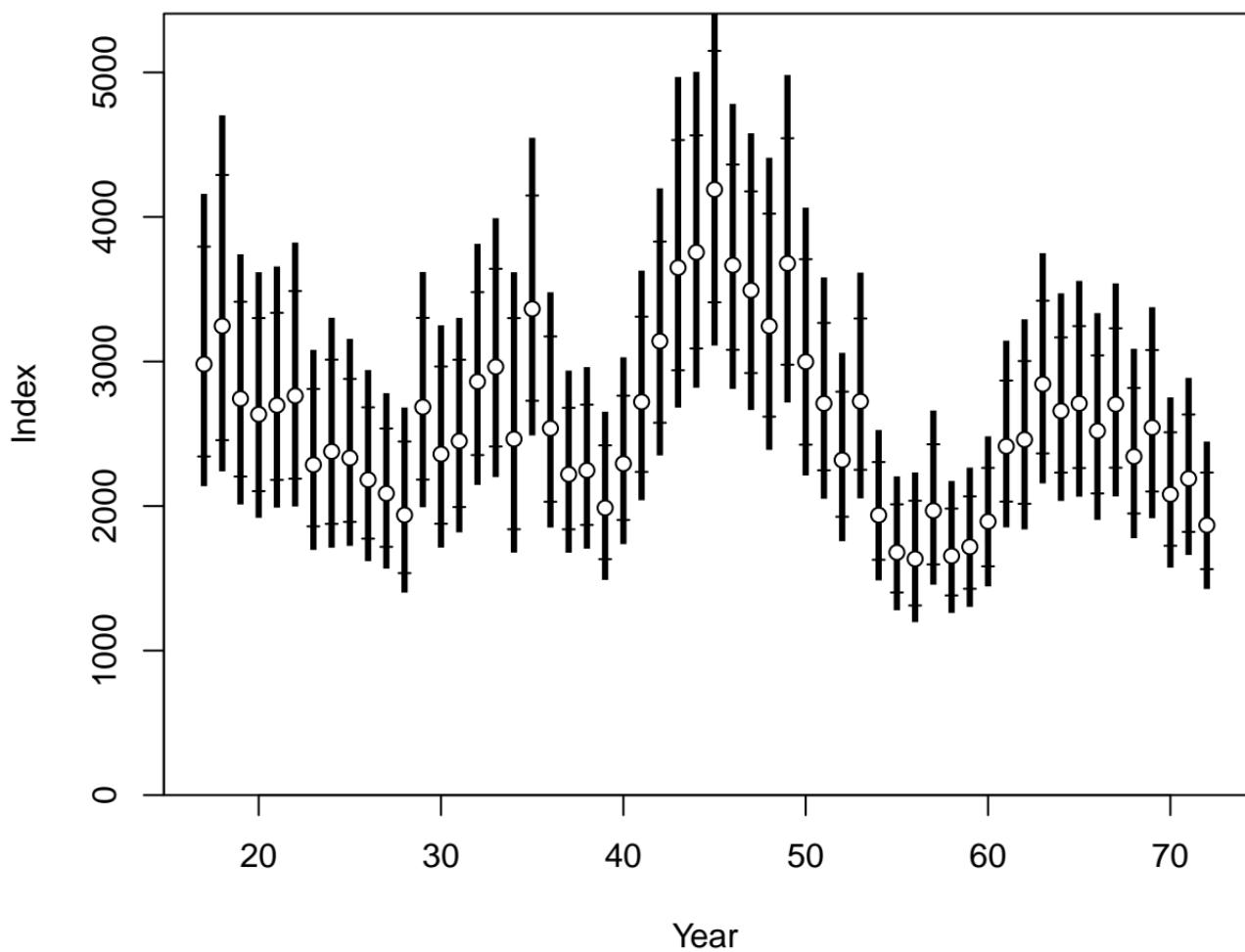


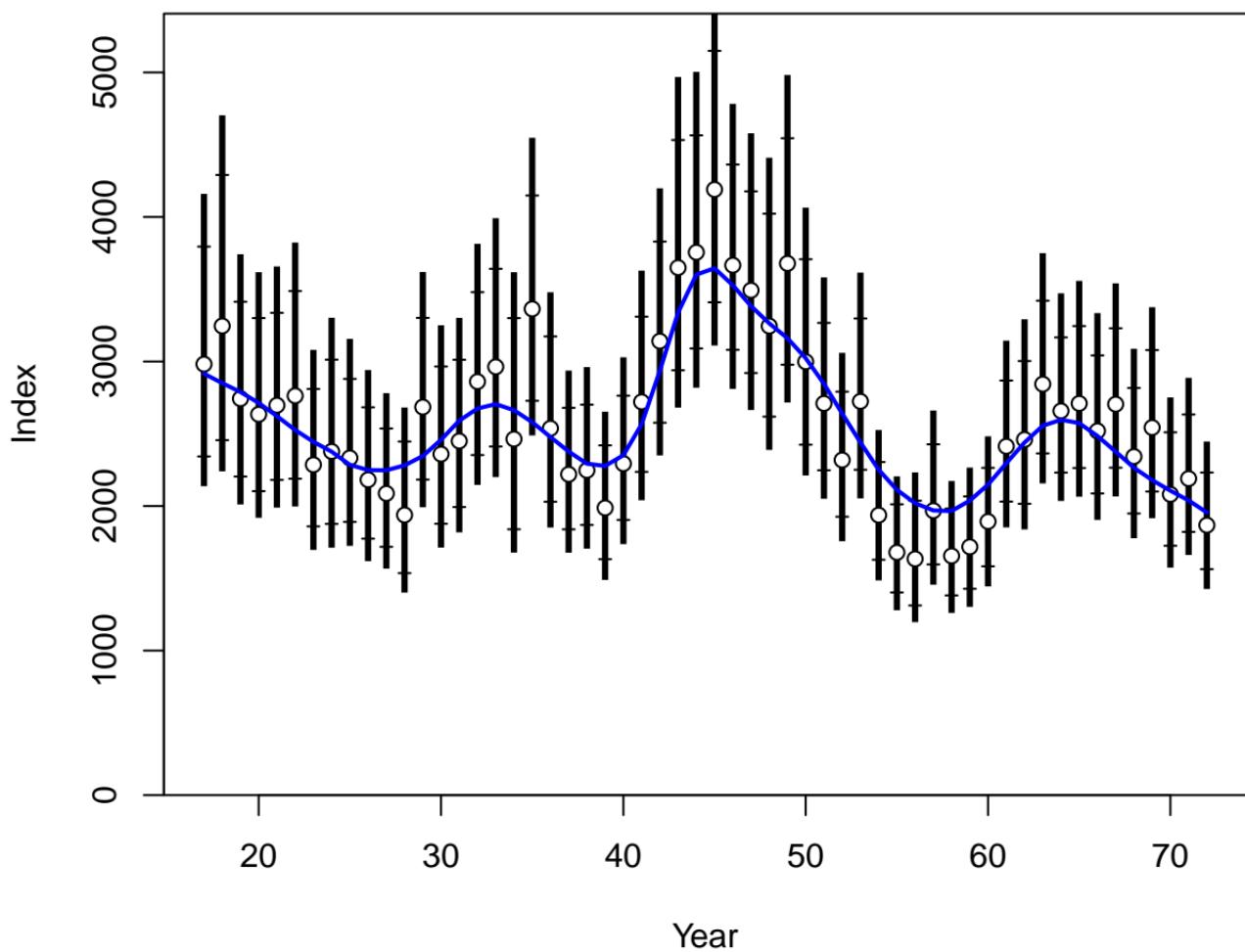


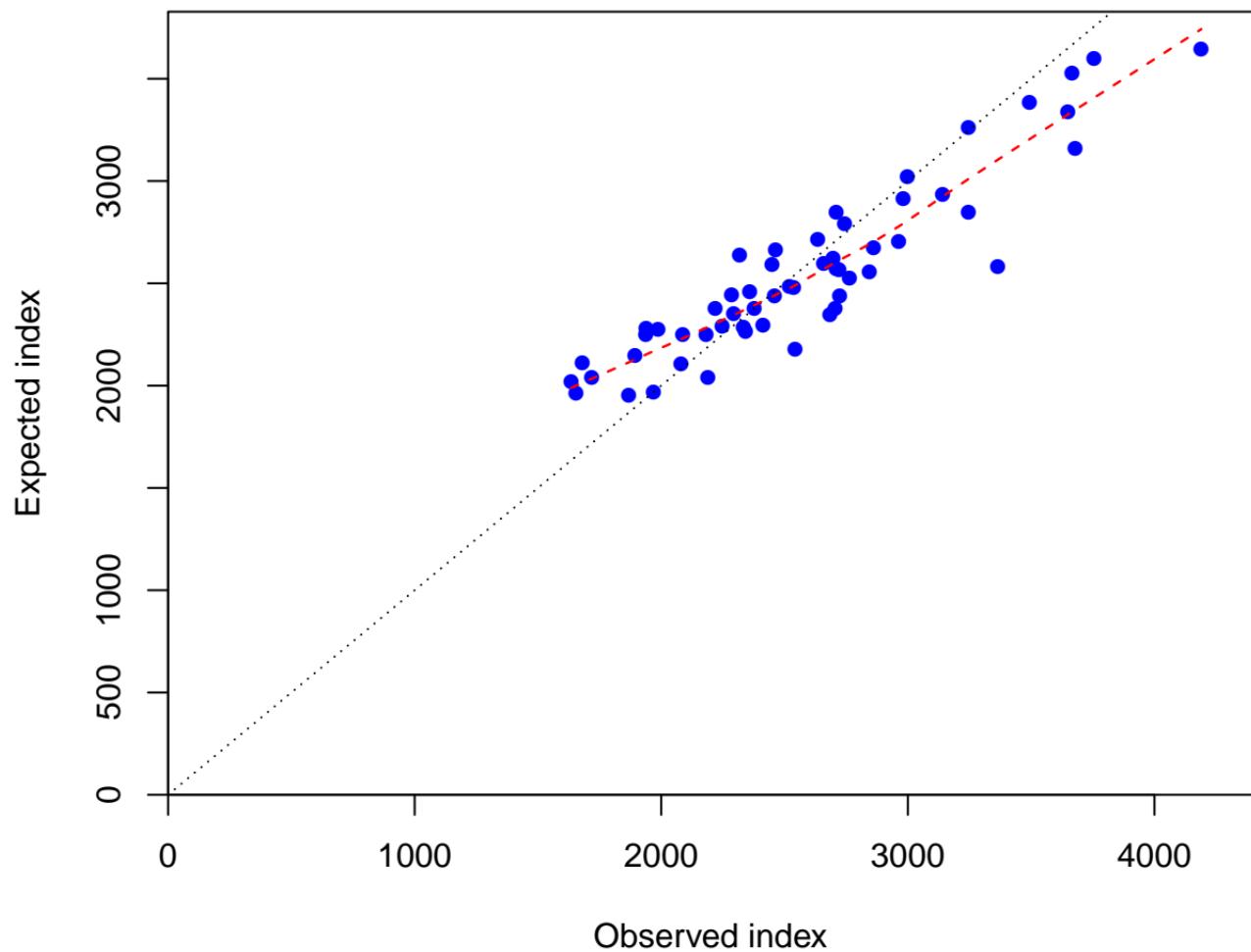


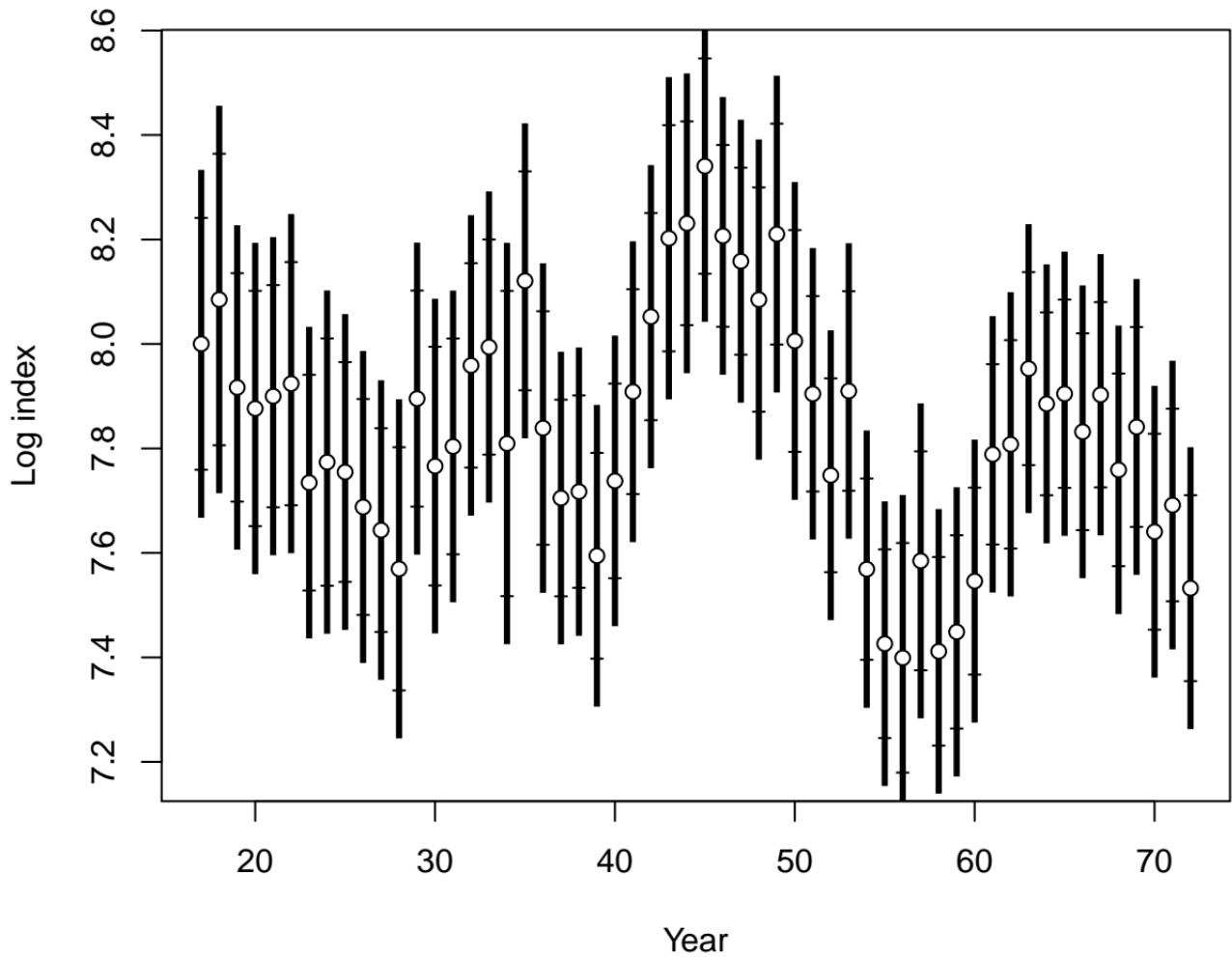


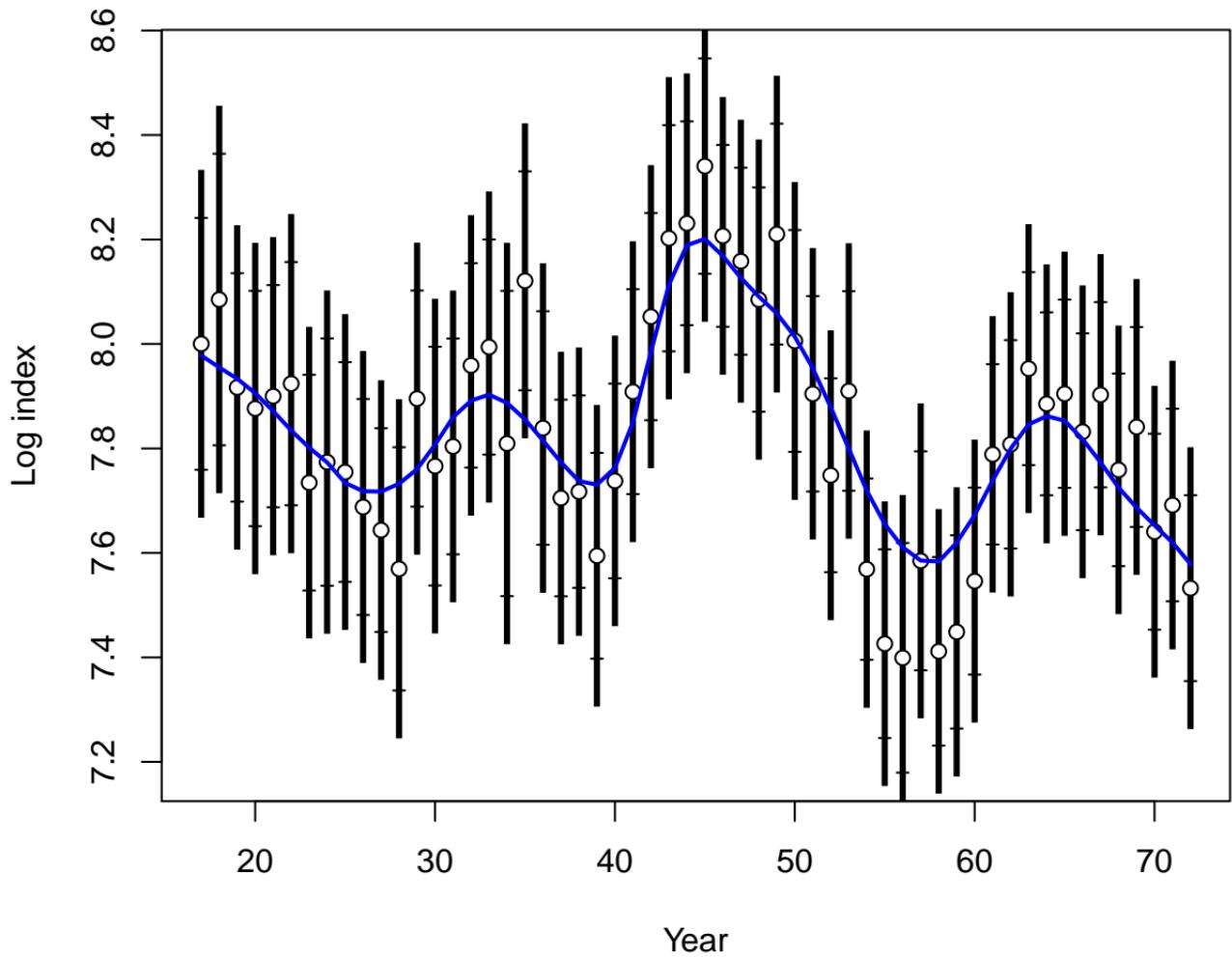


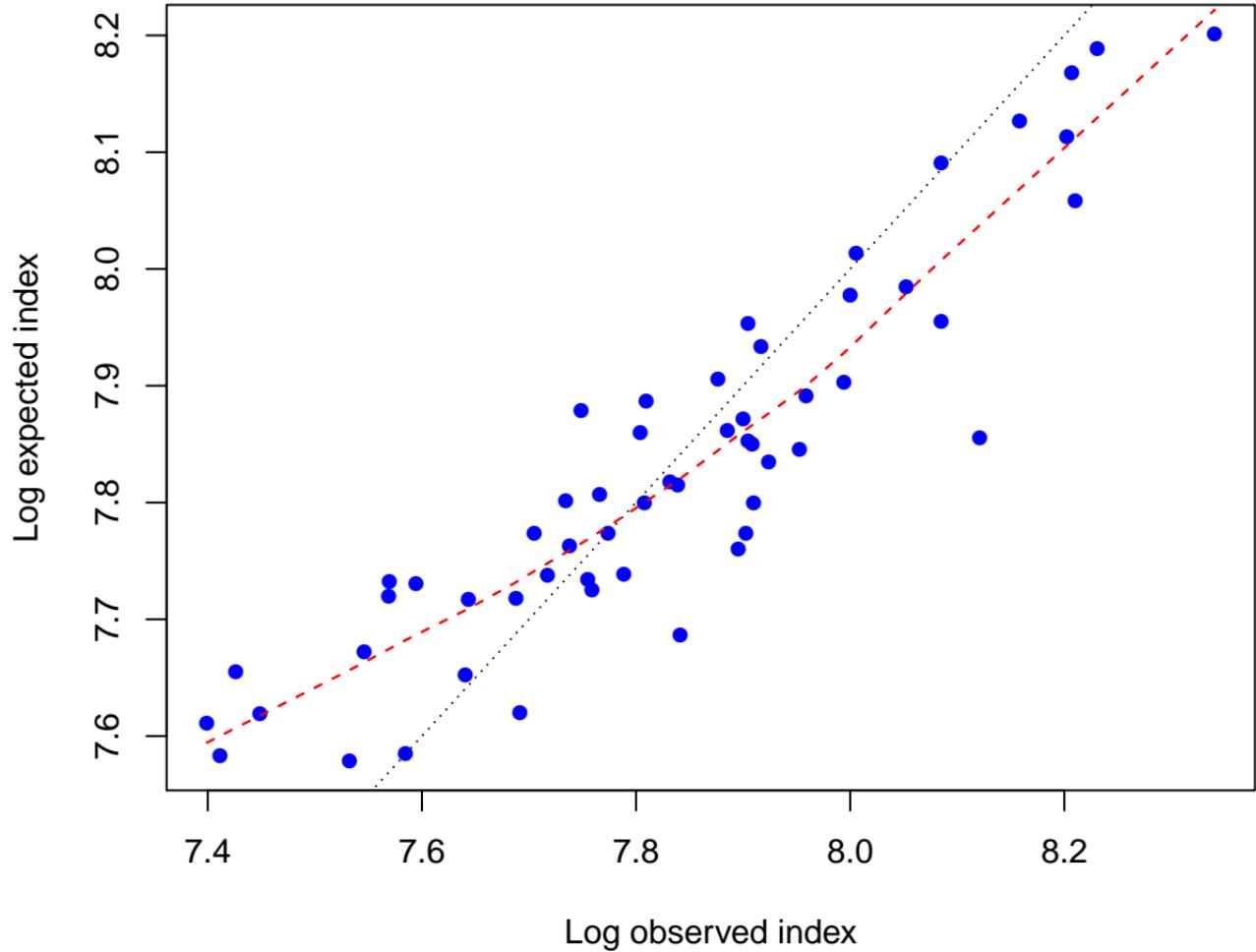


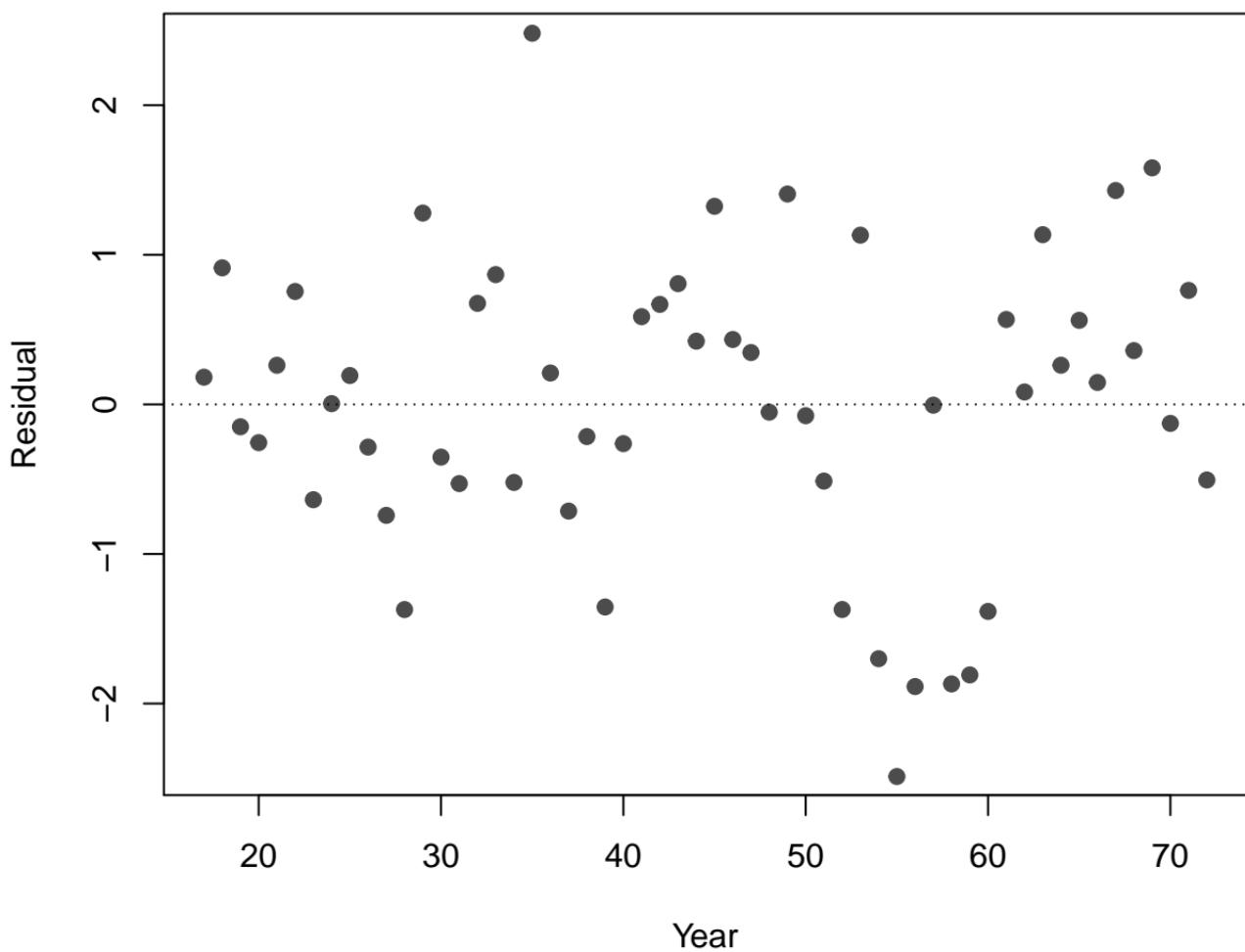


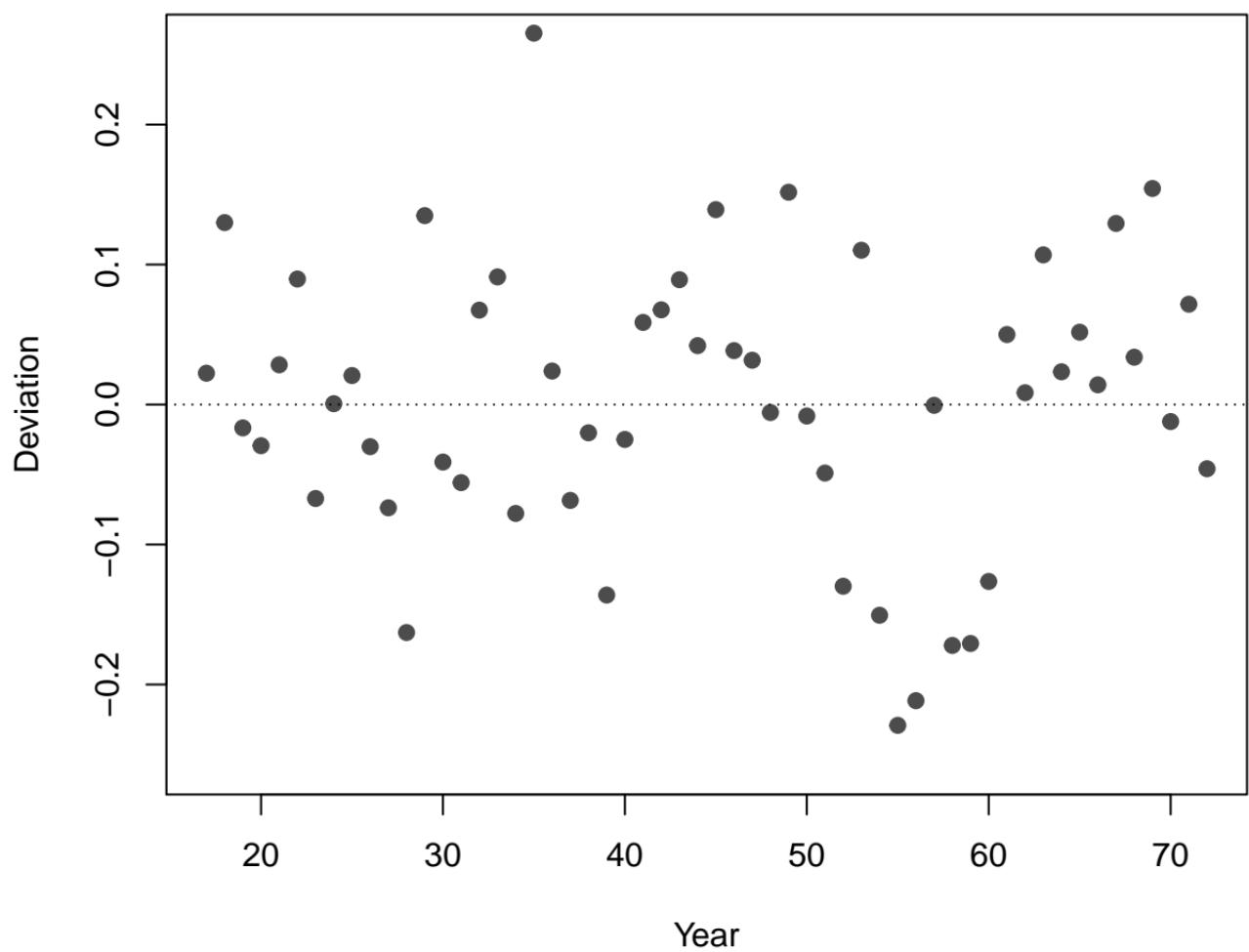


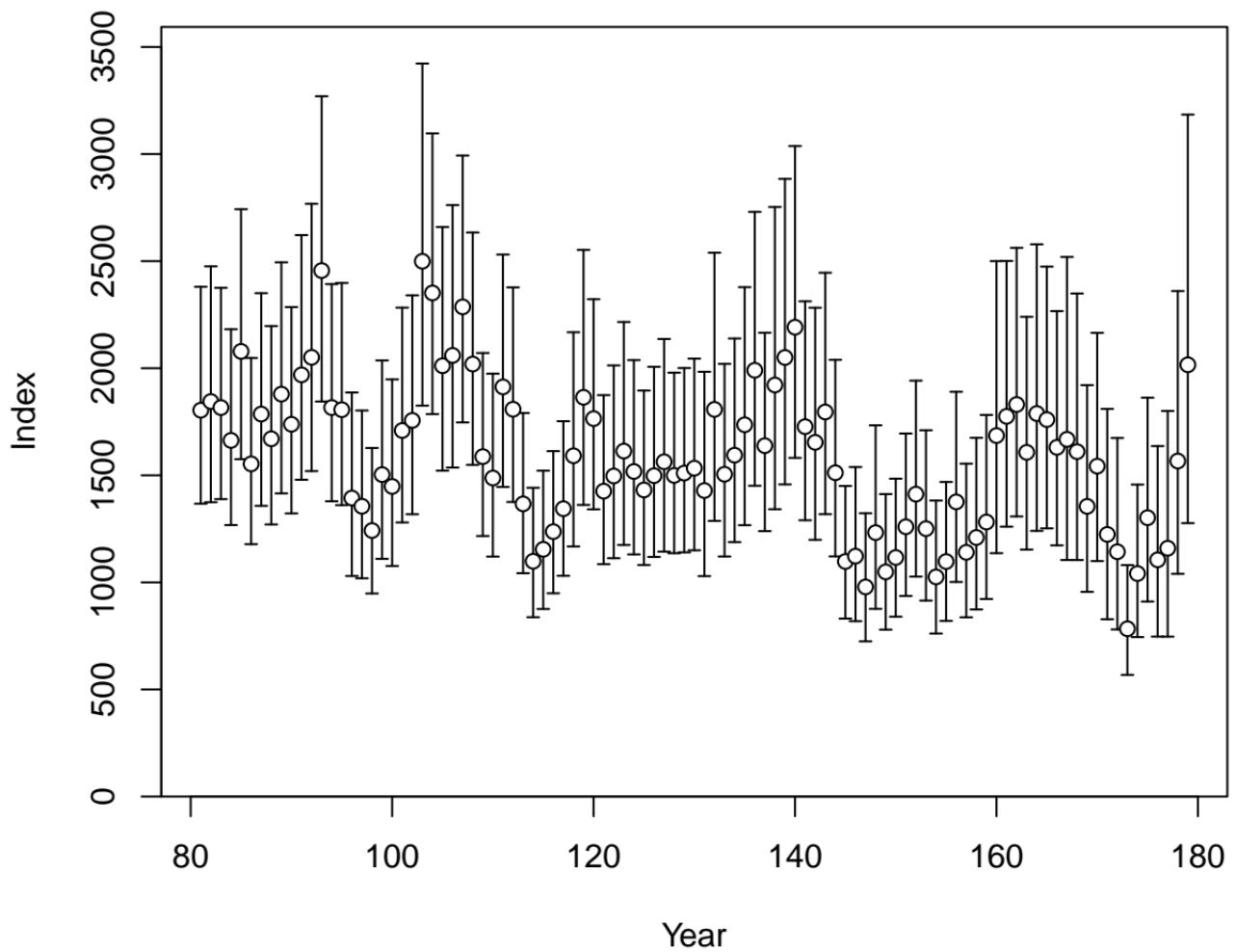


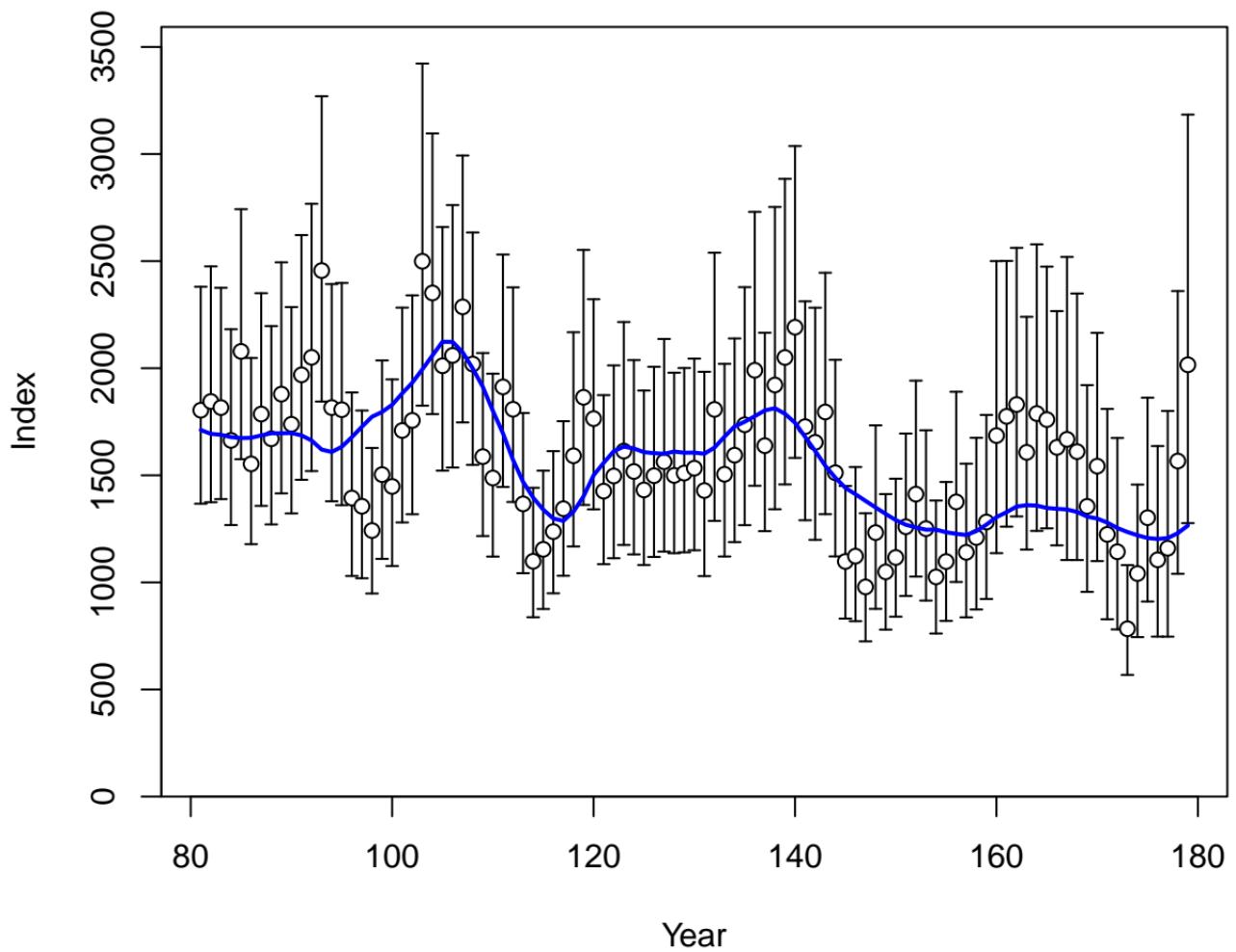


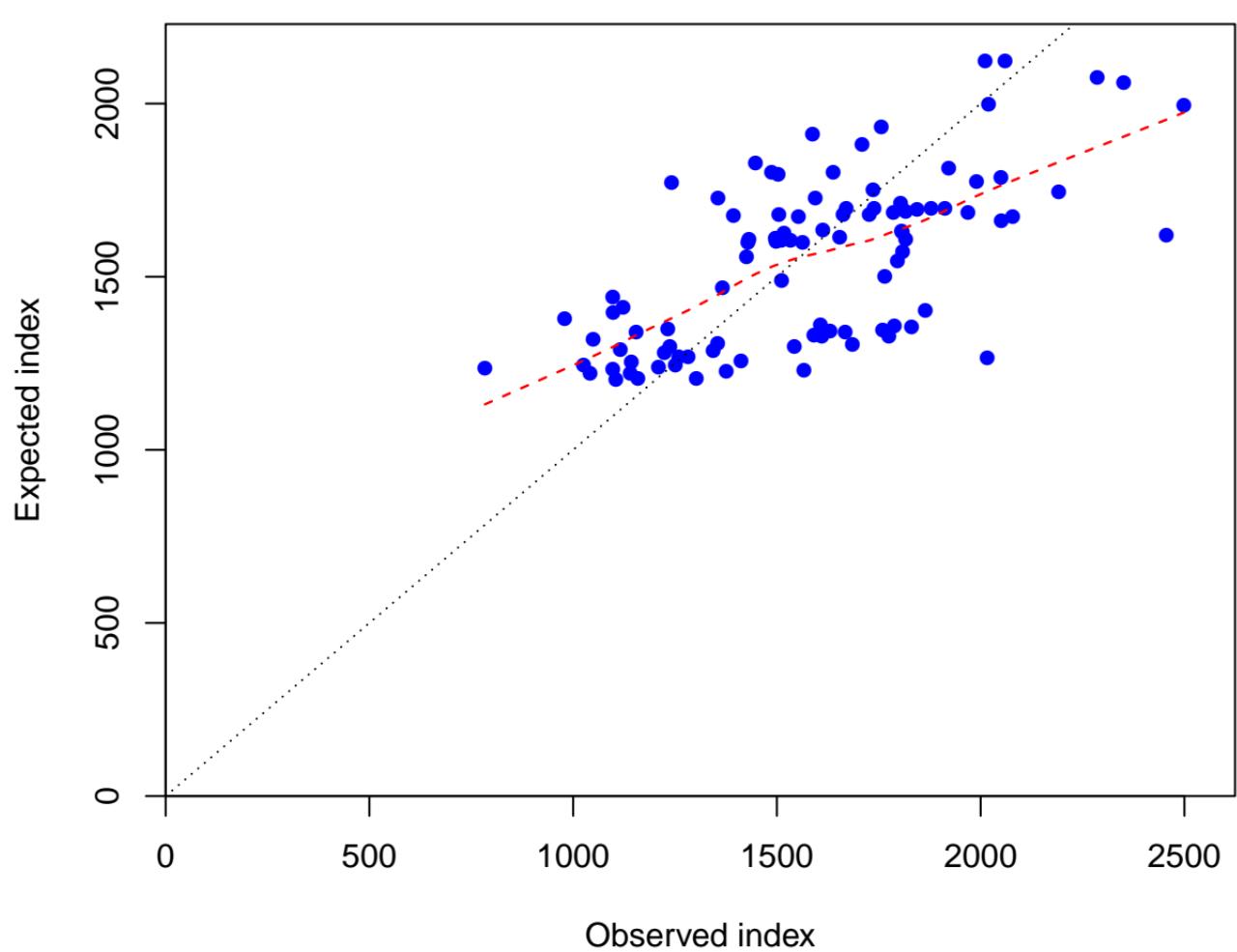


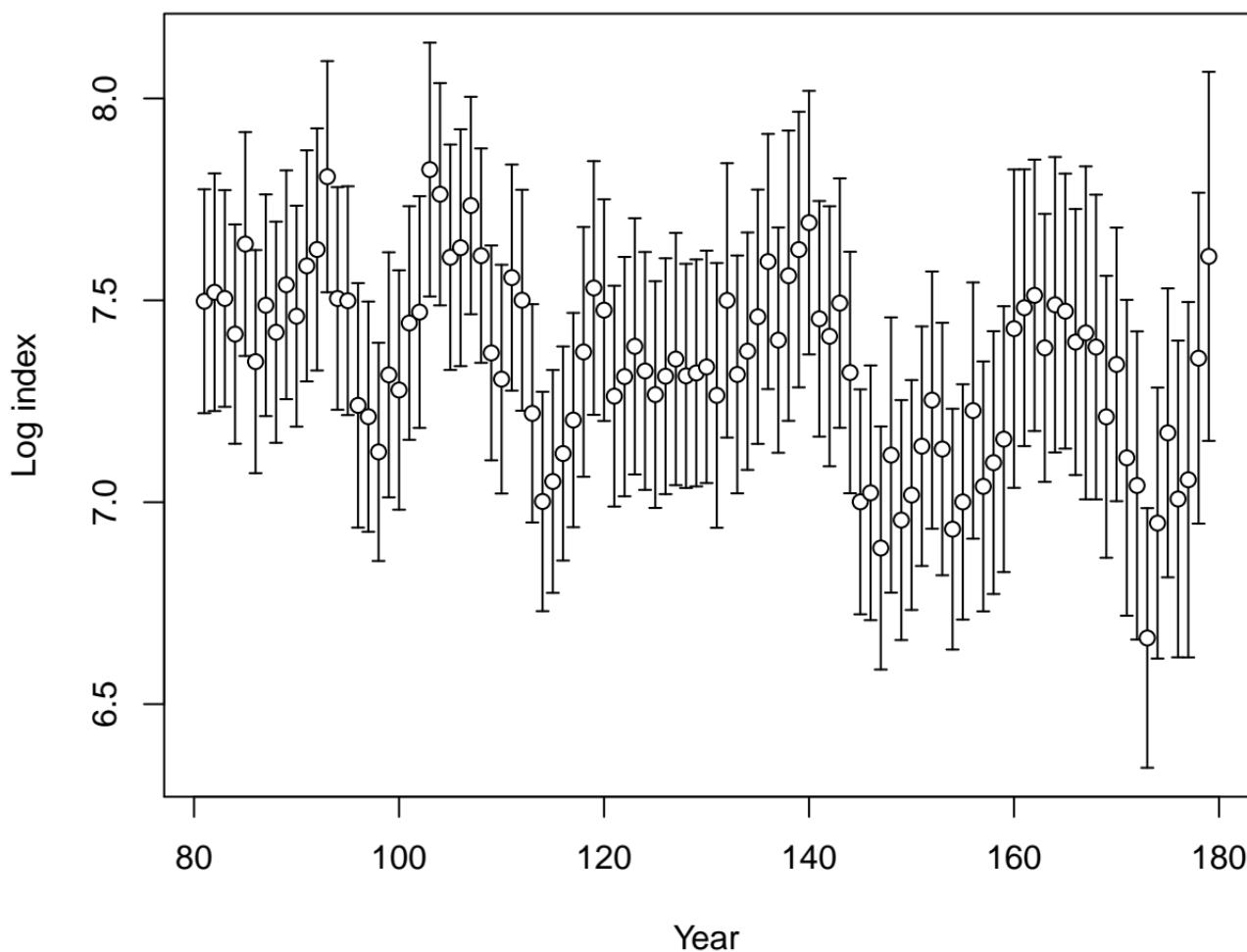


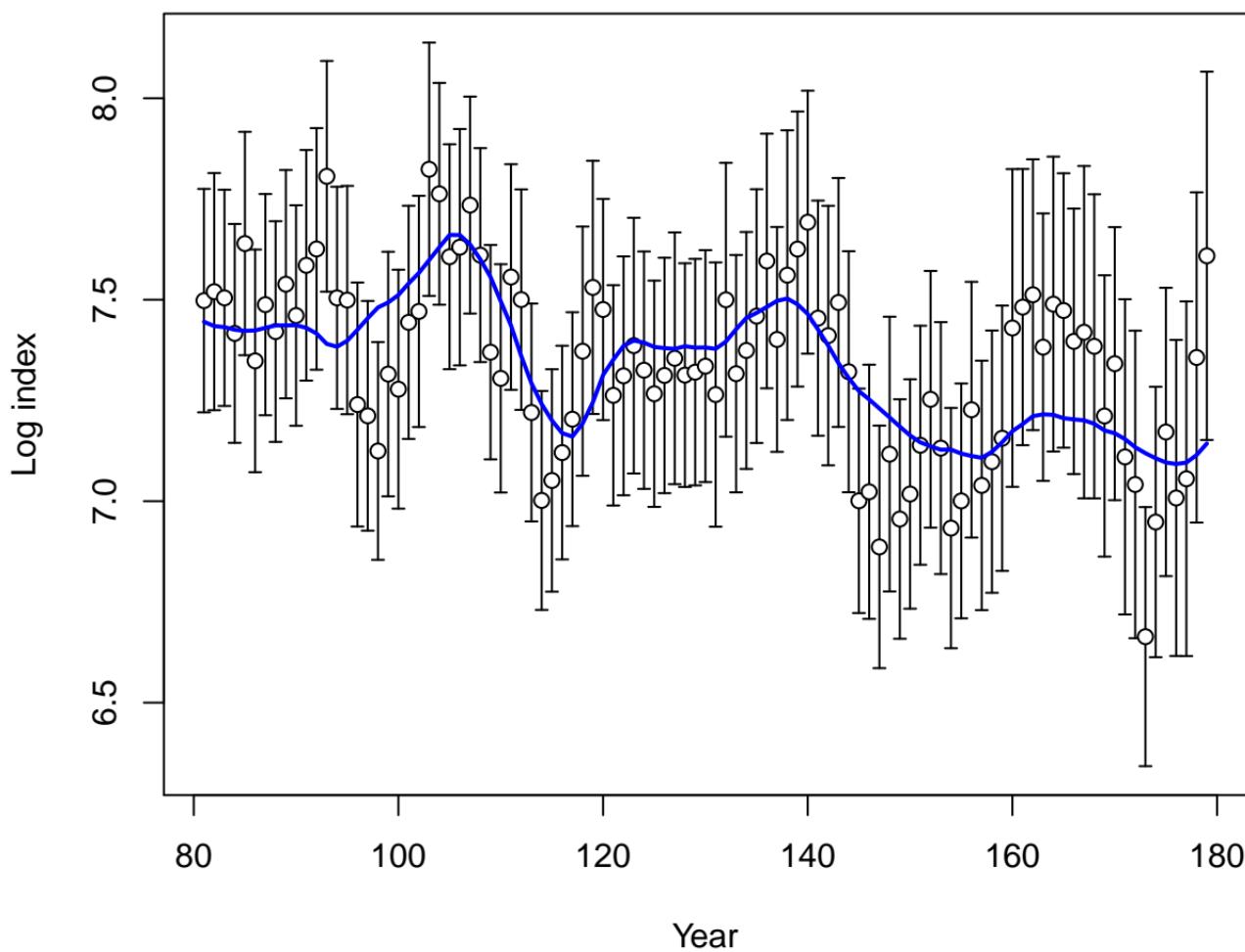


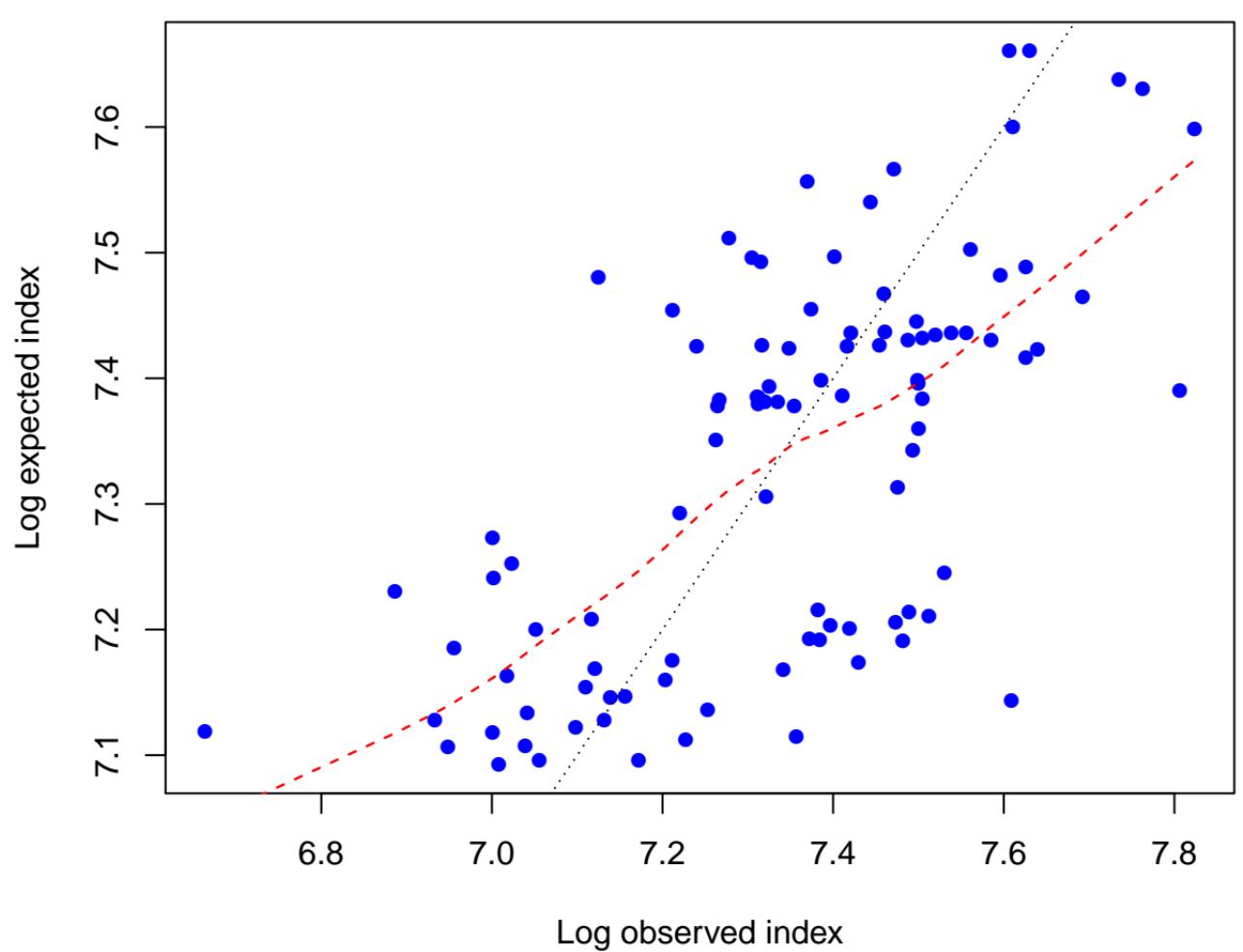


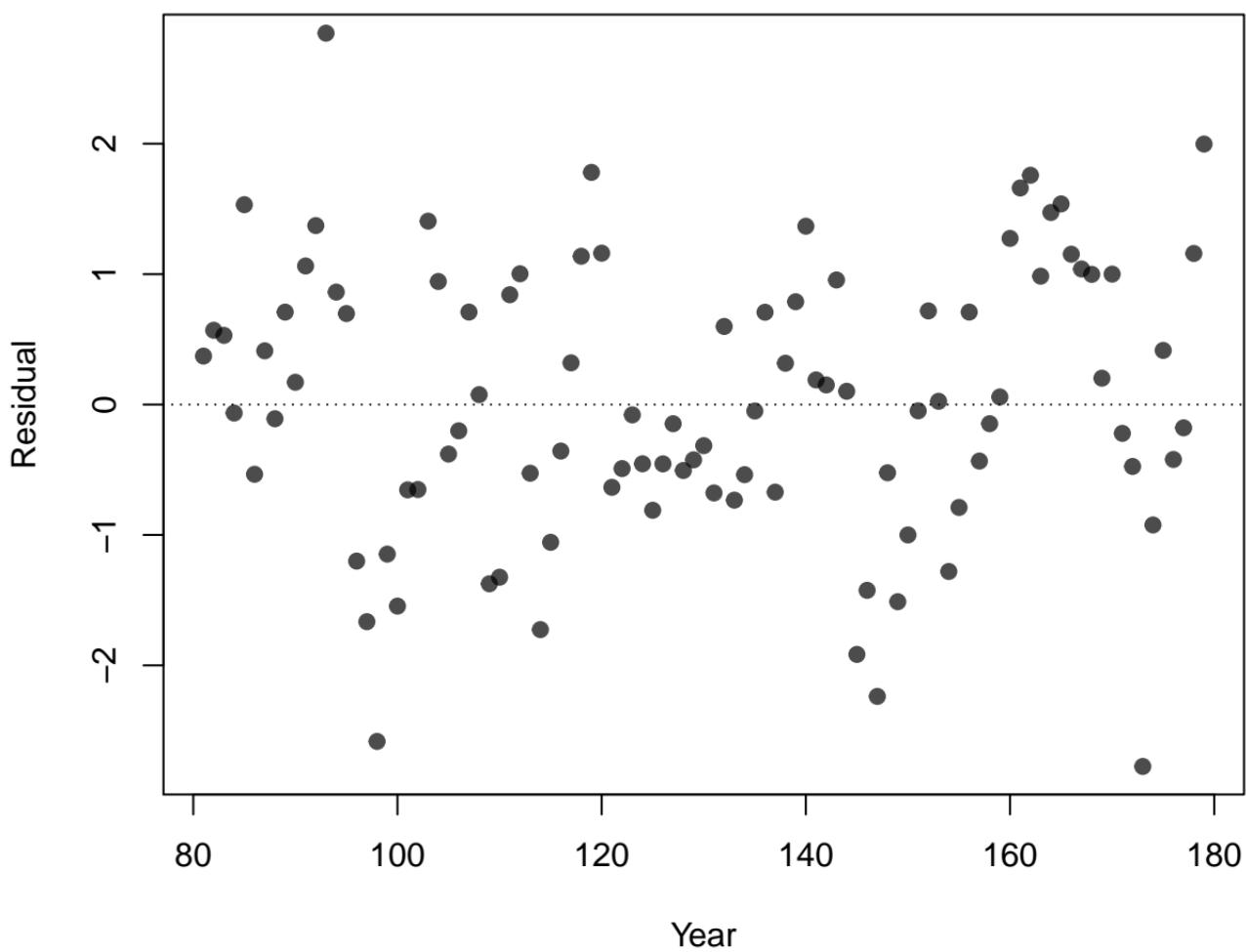


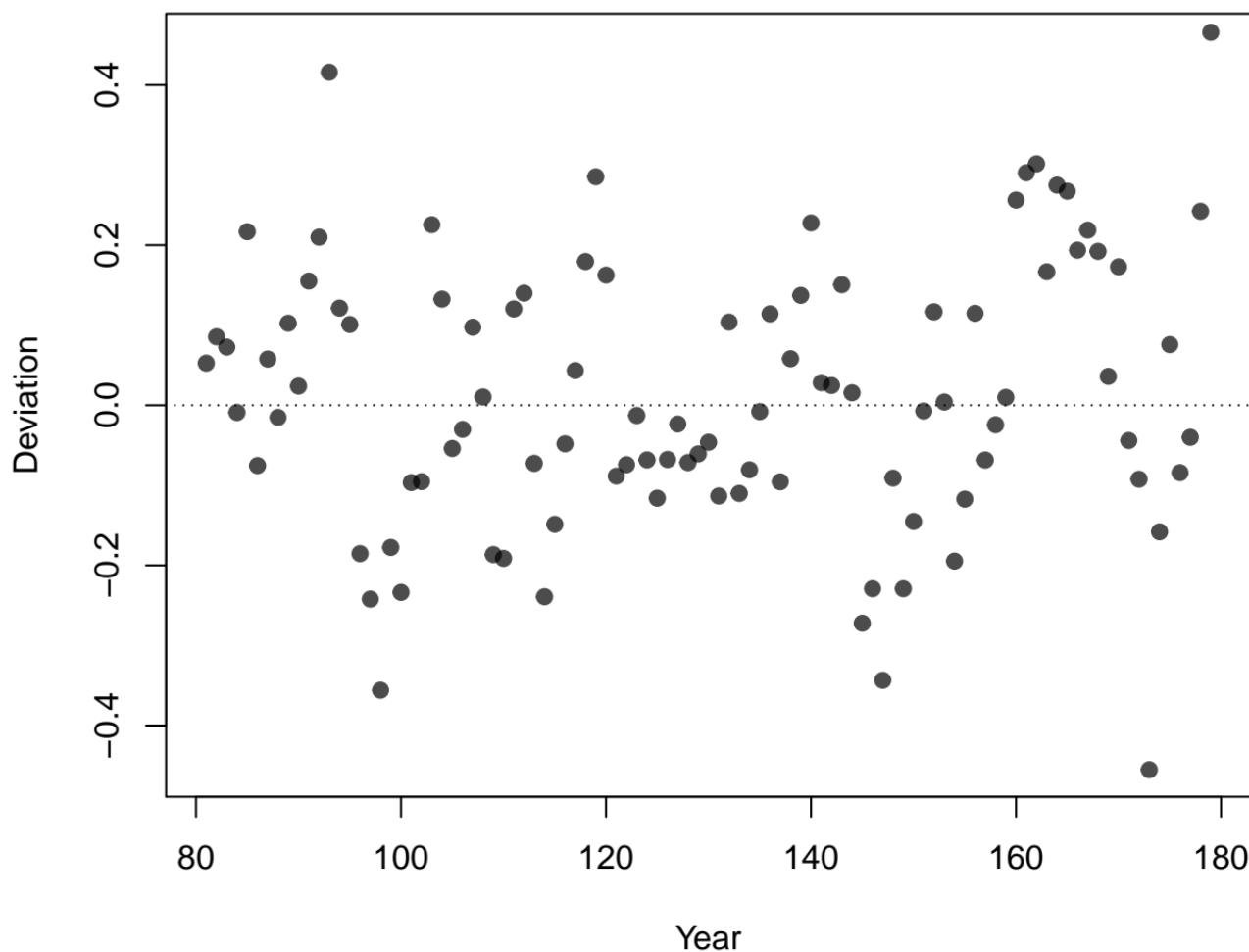












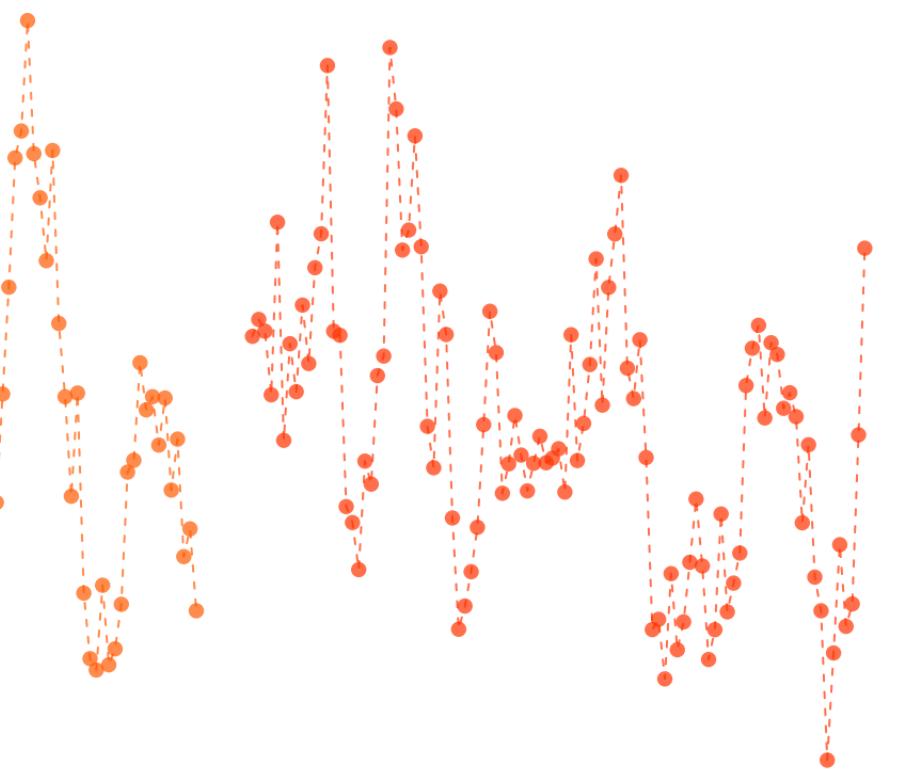
Standardized index

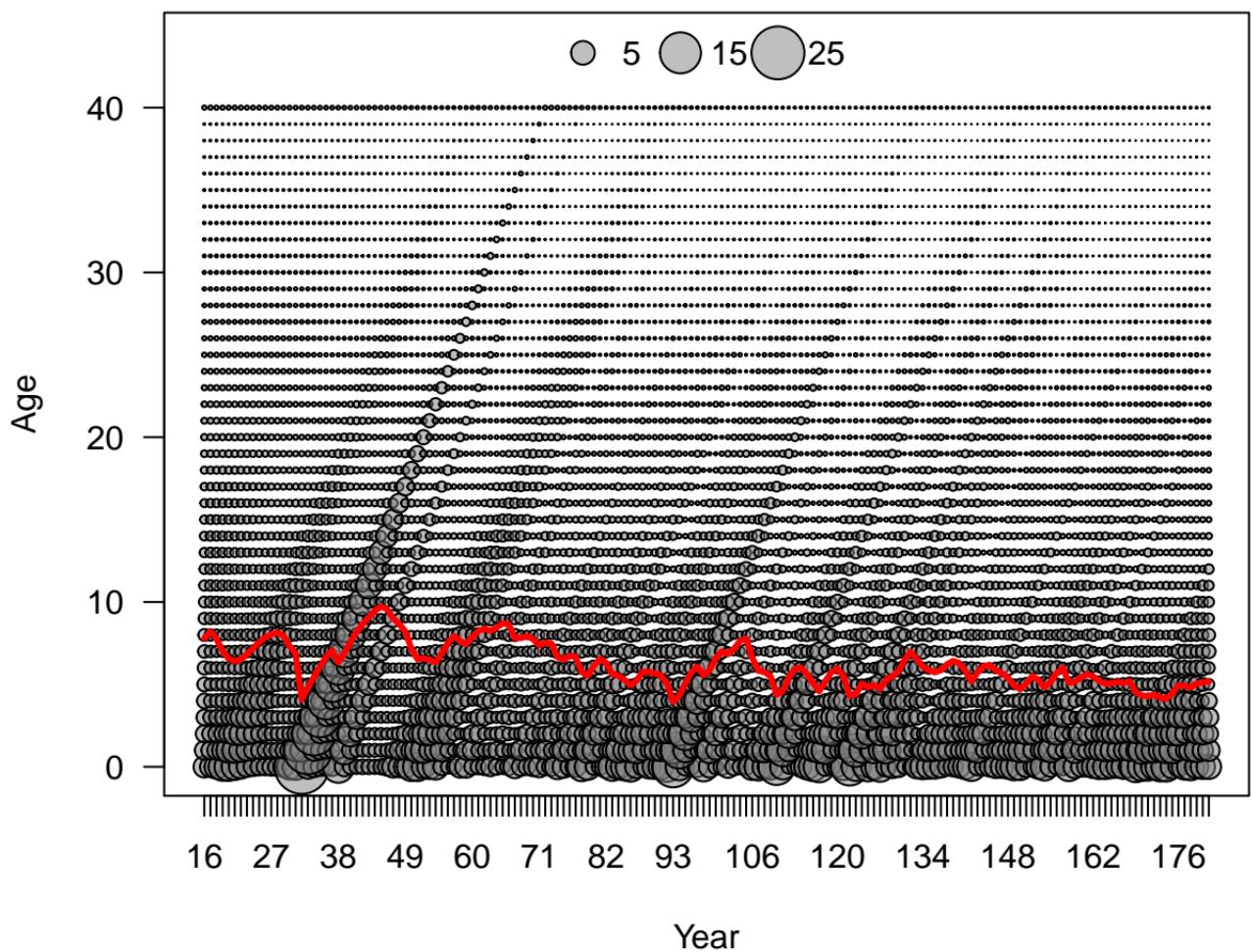
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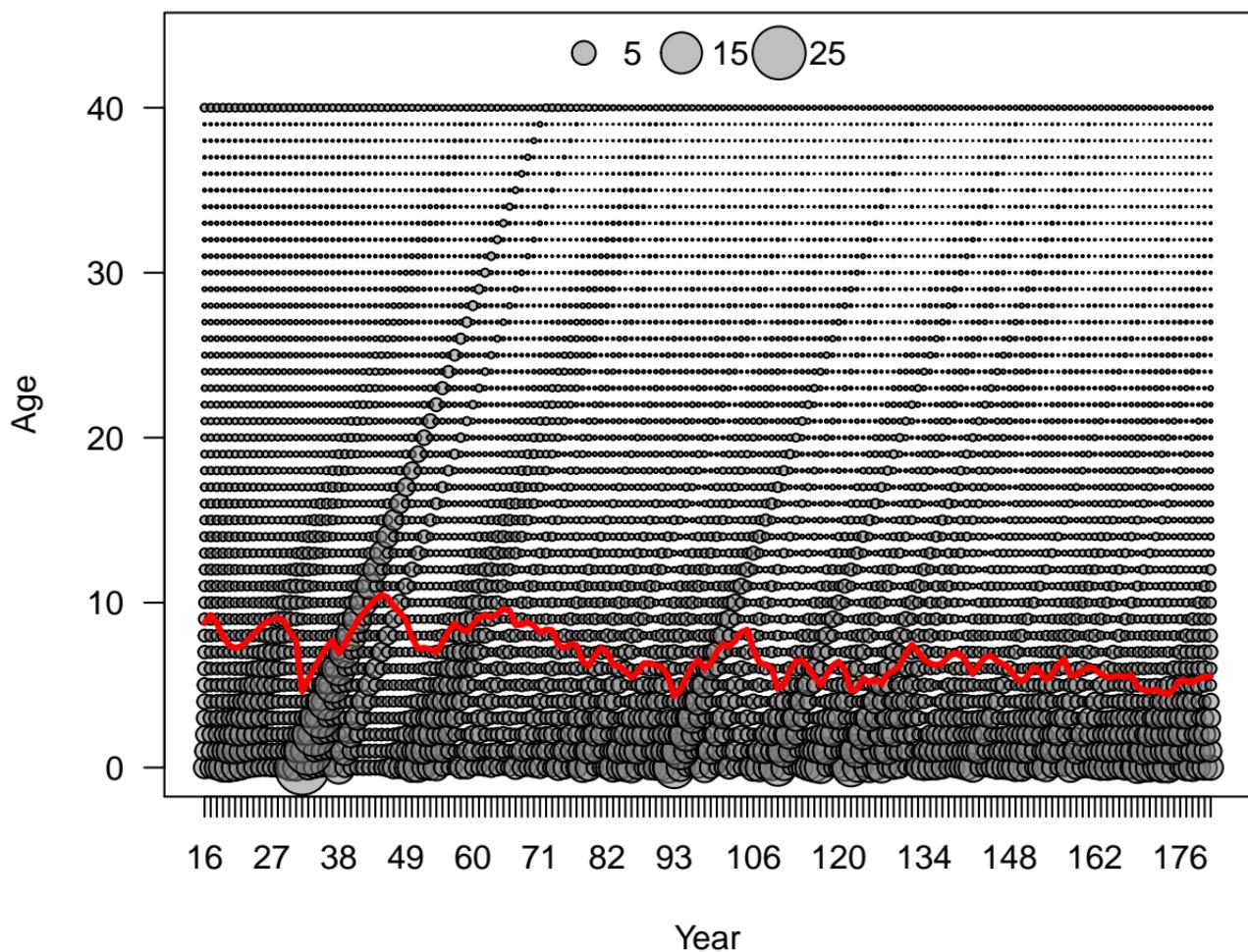
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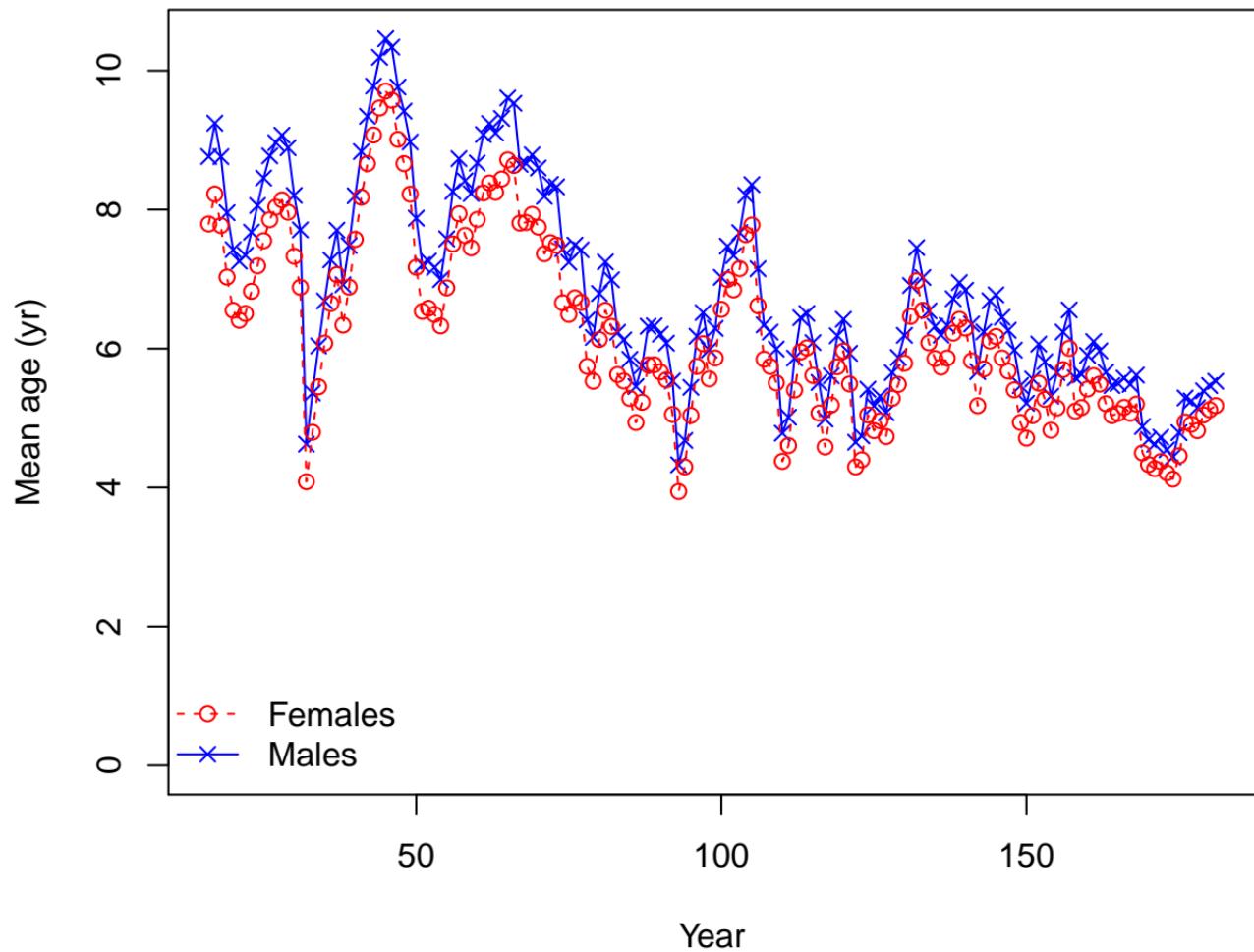
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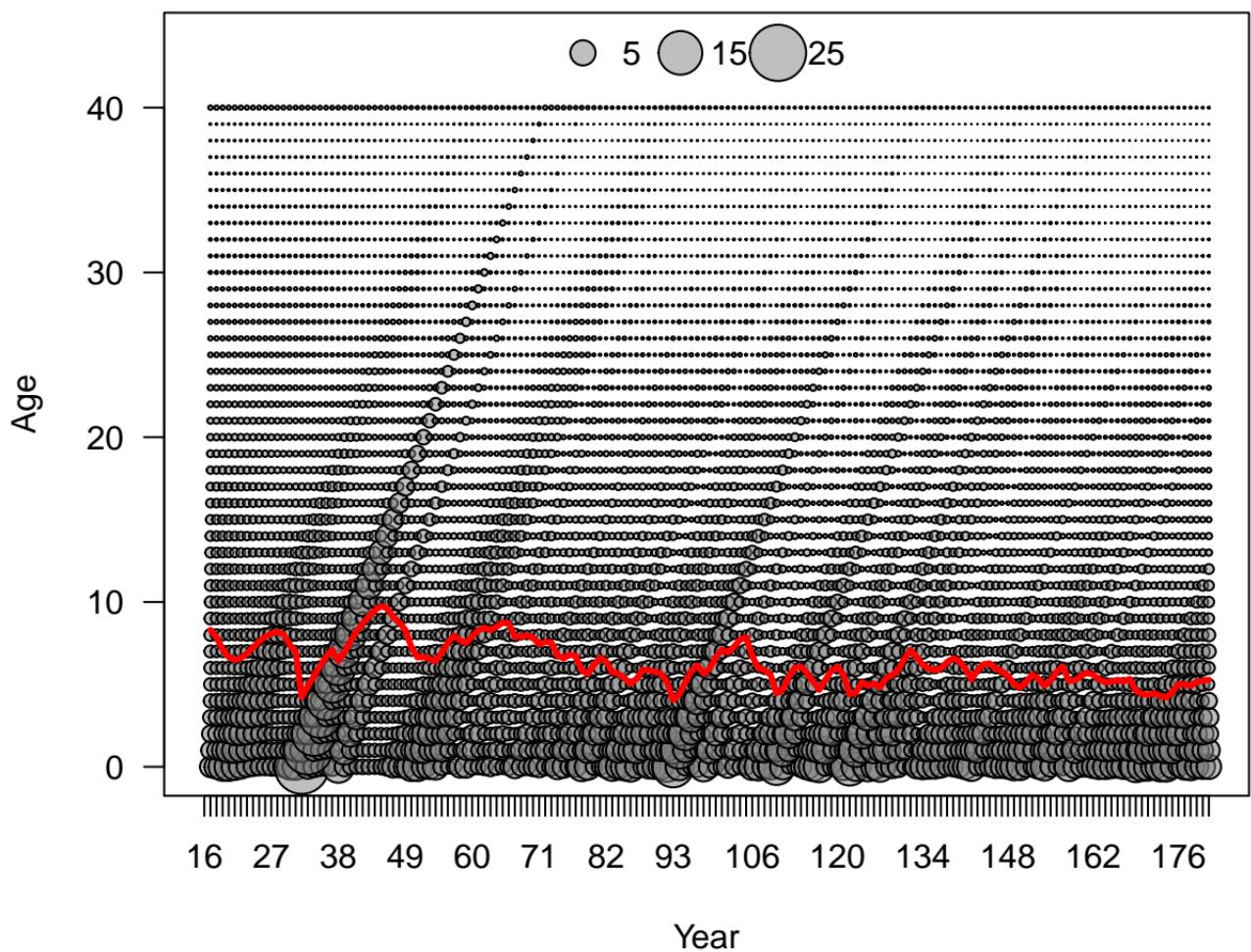
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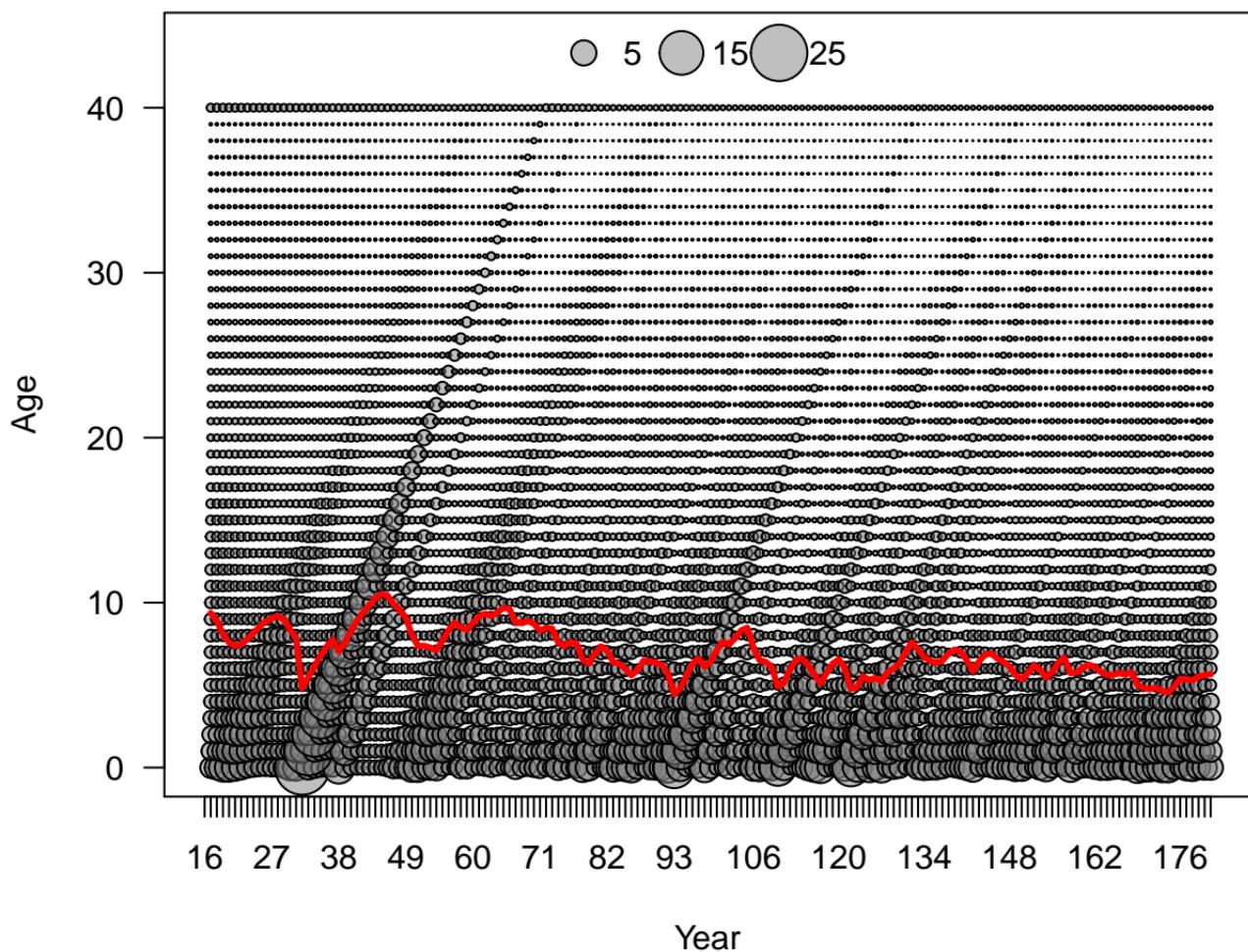


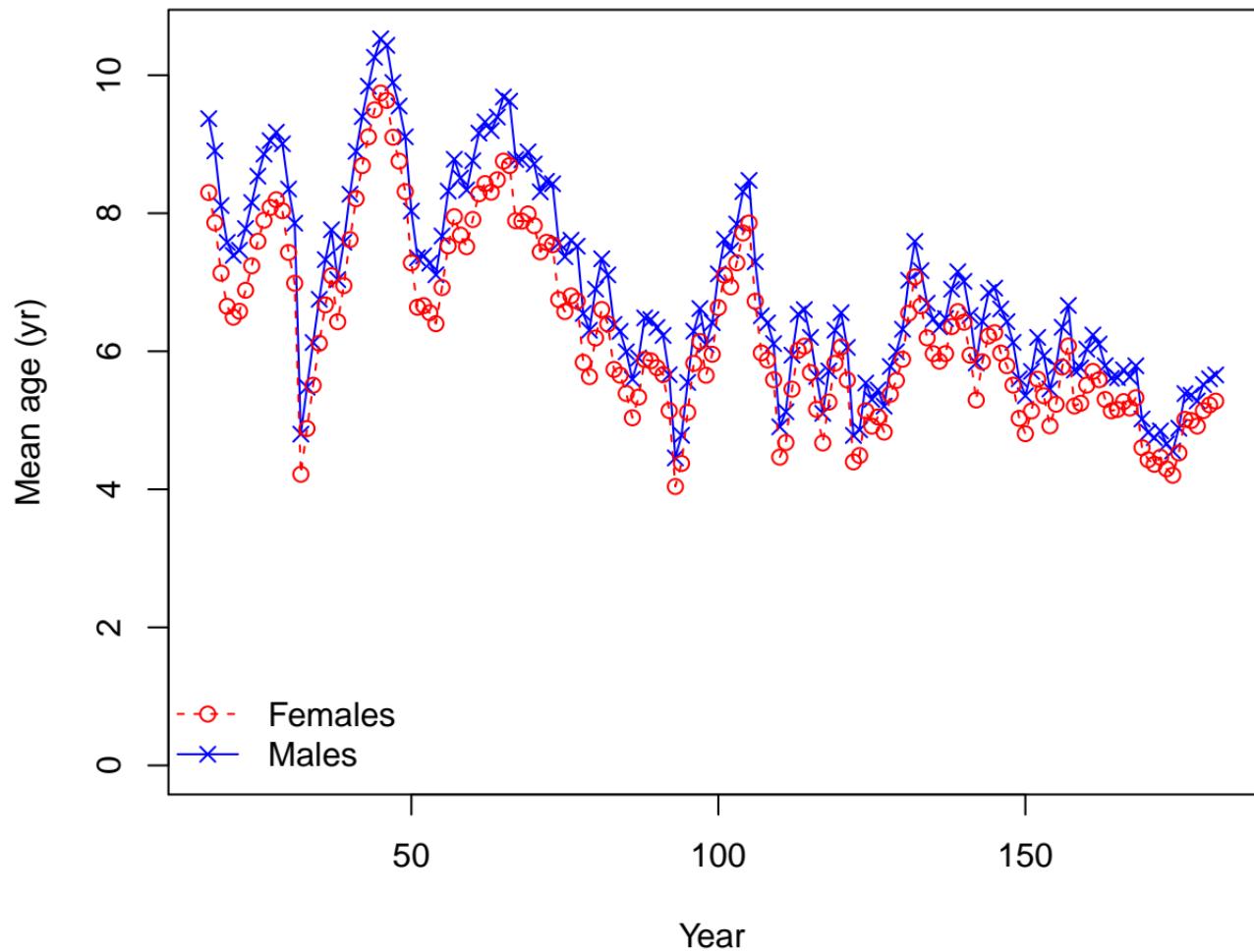


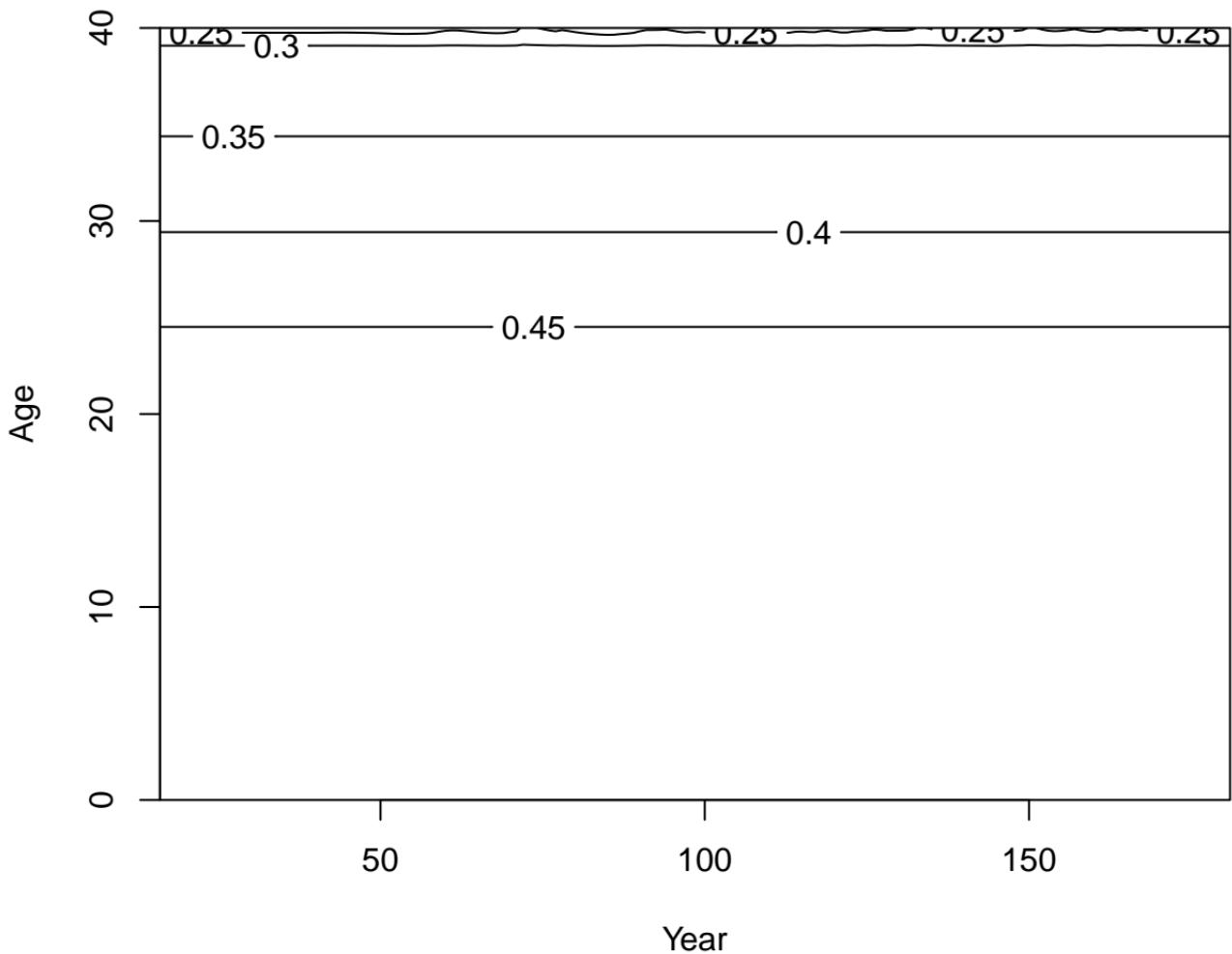


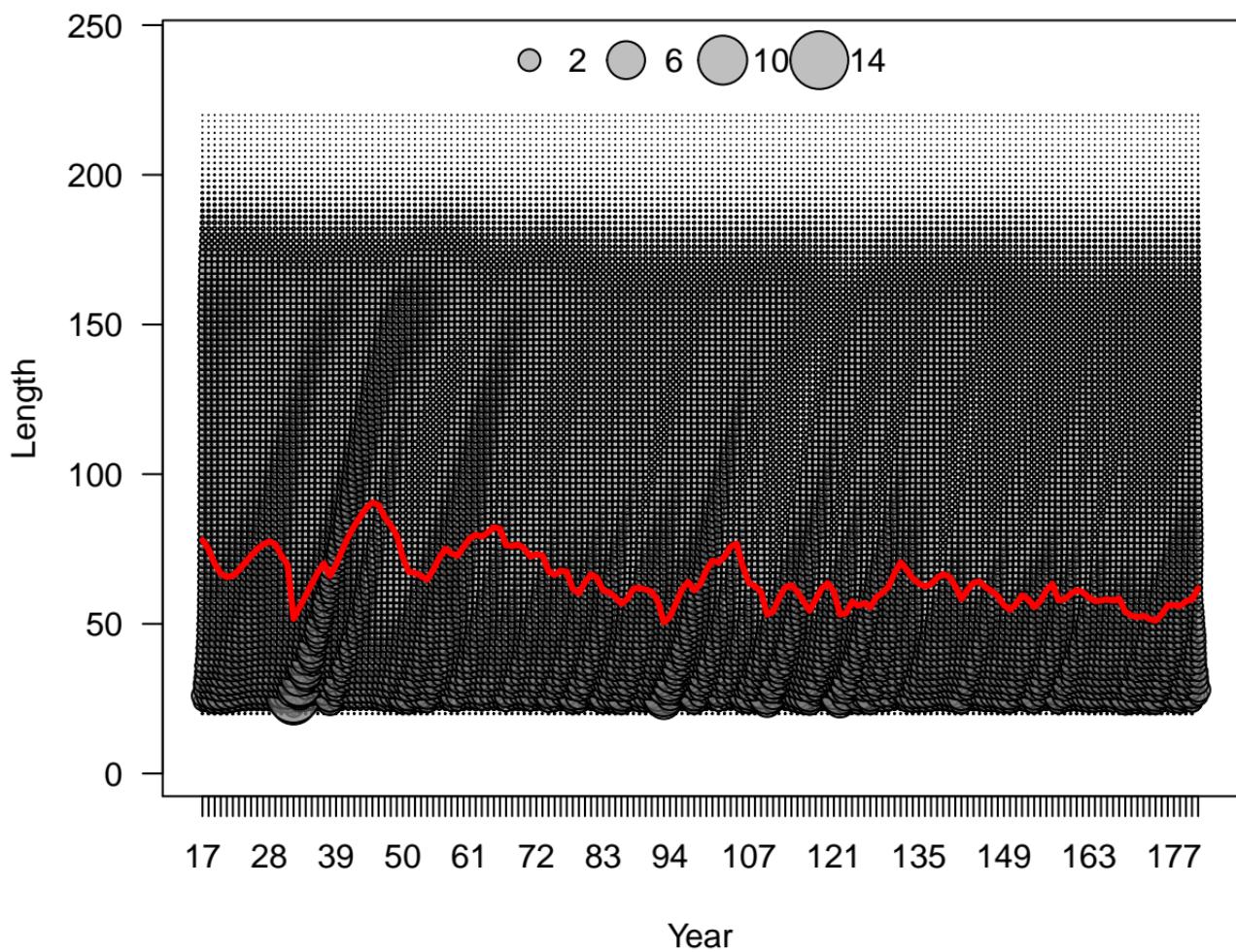


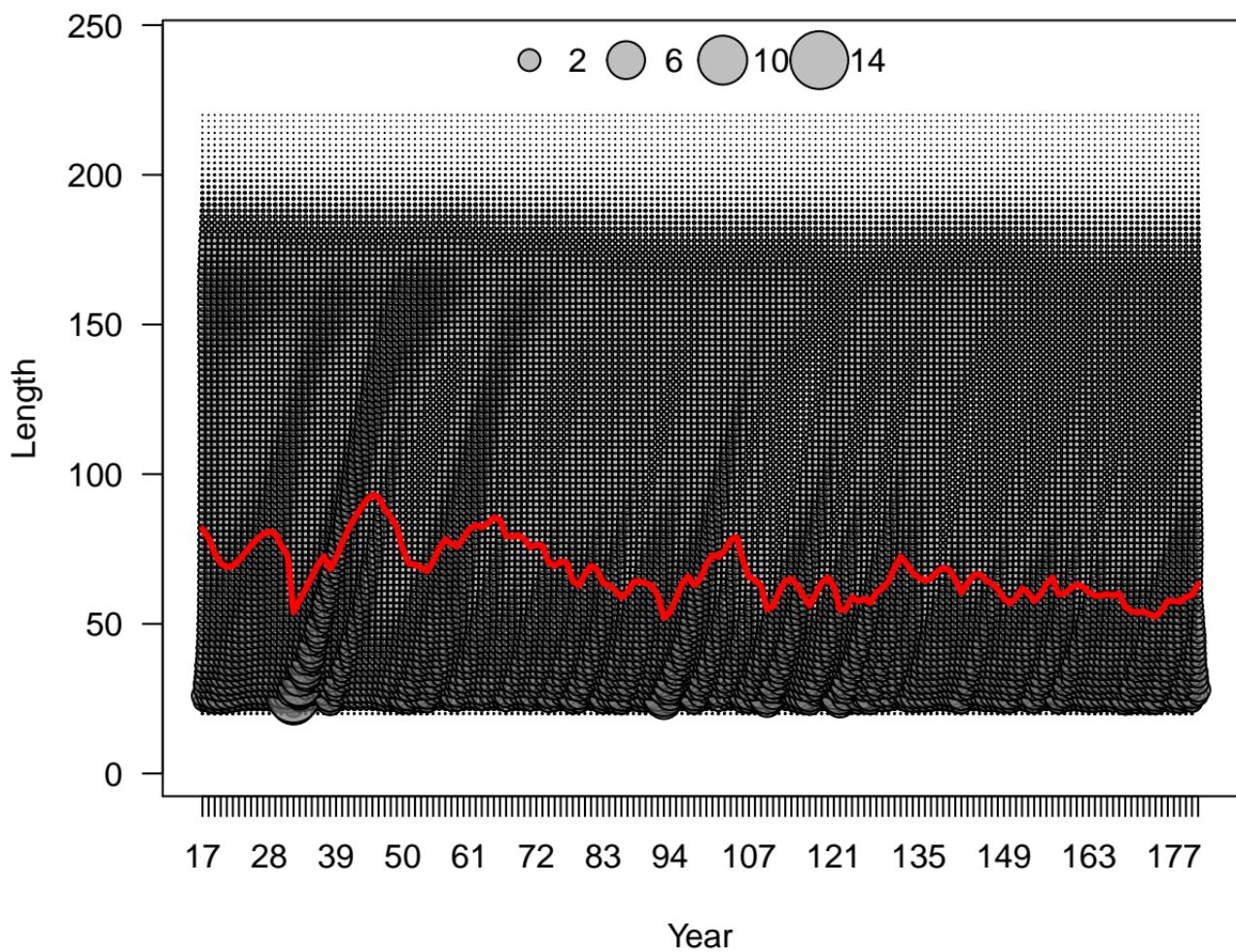


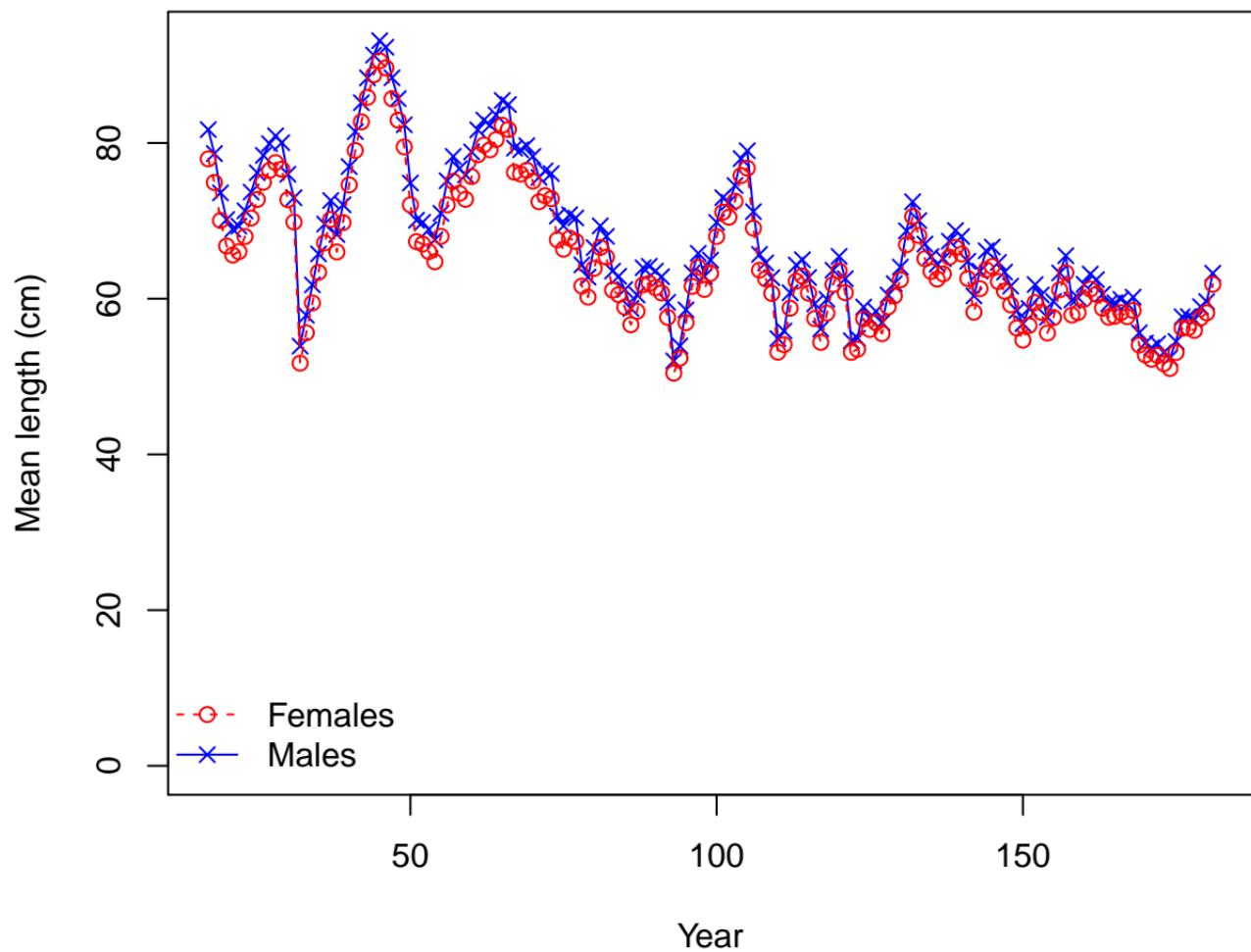


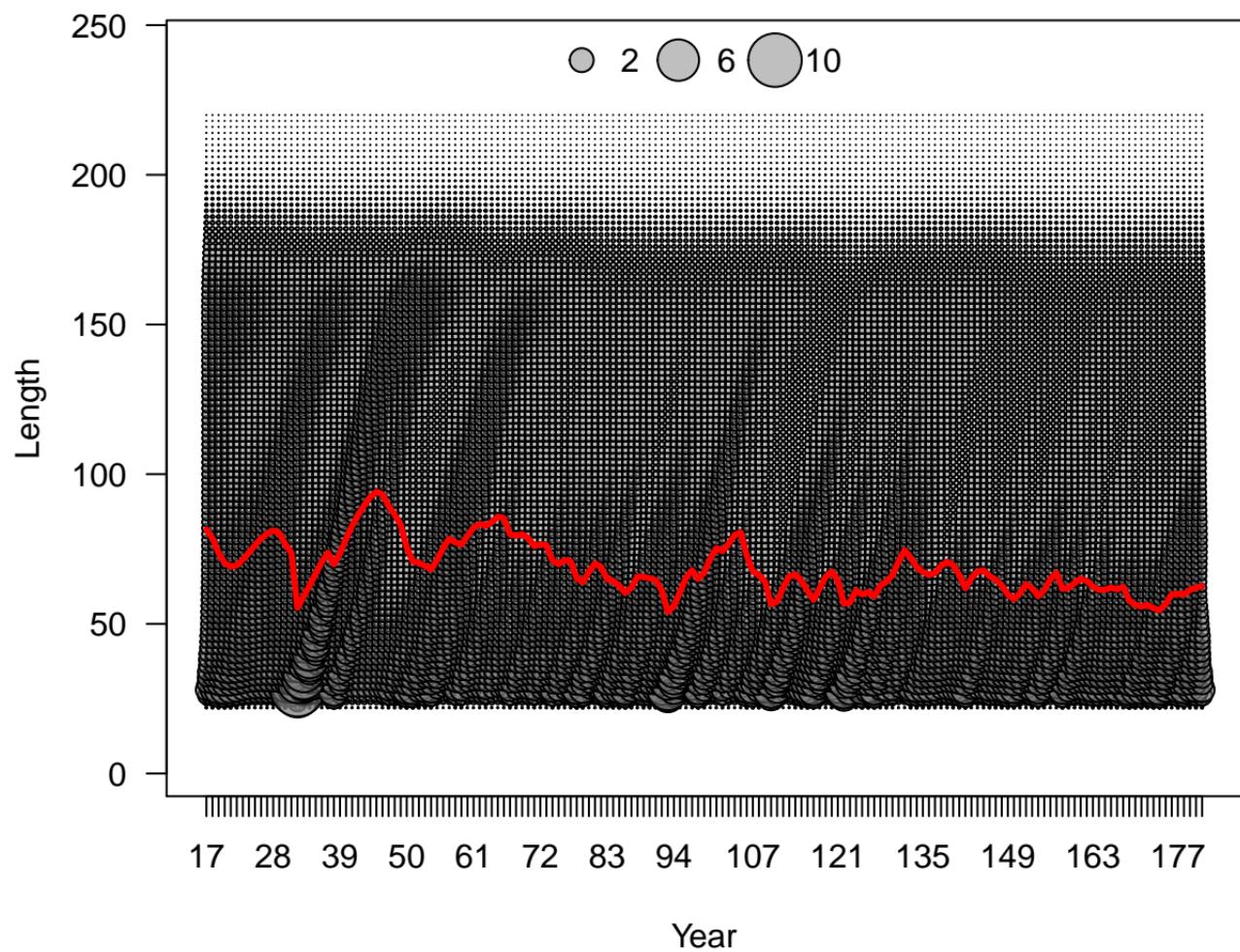


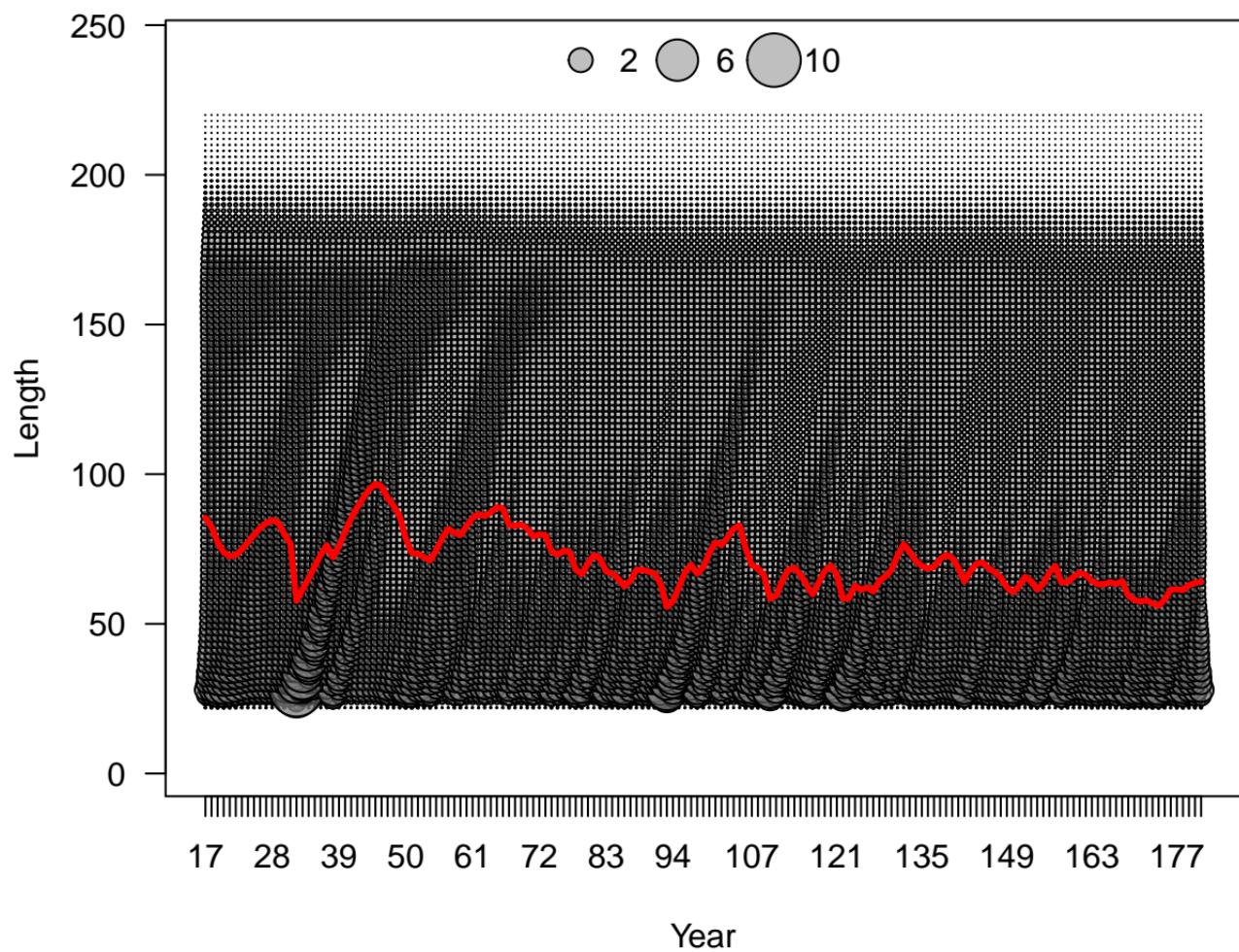


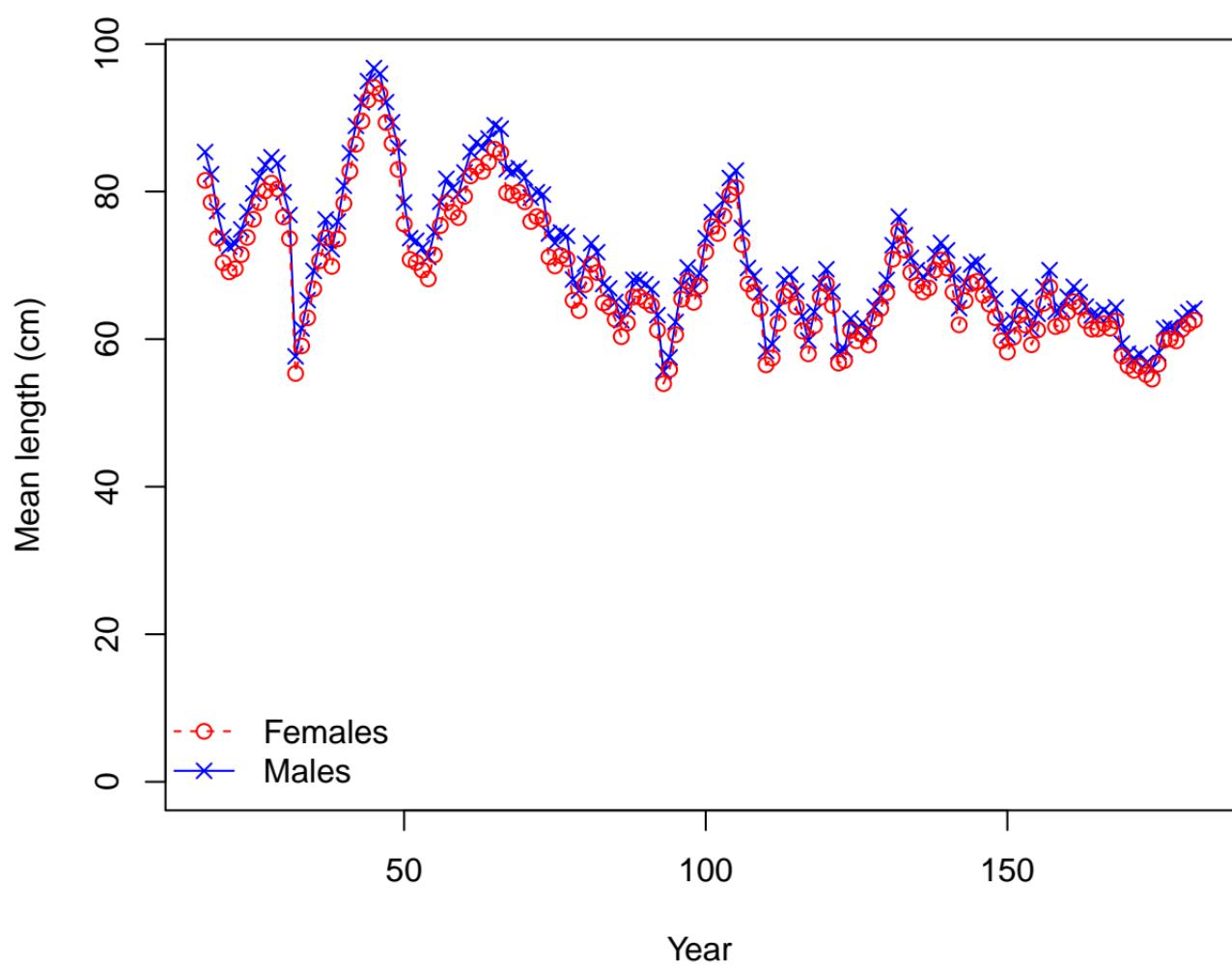


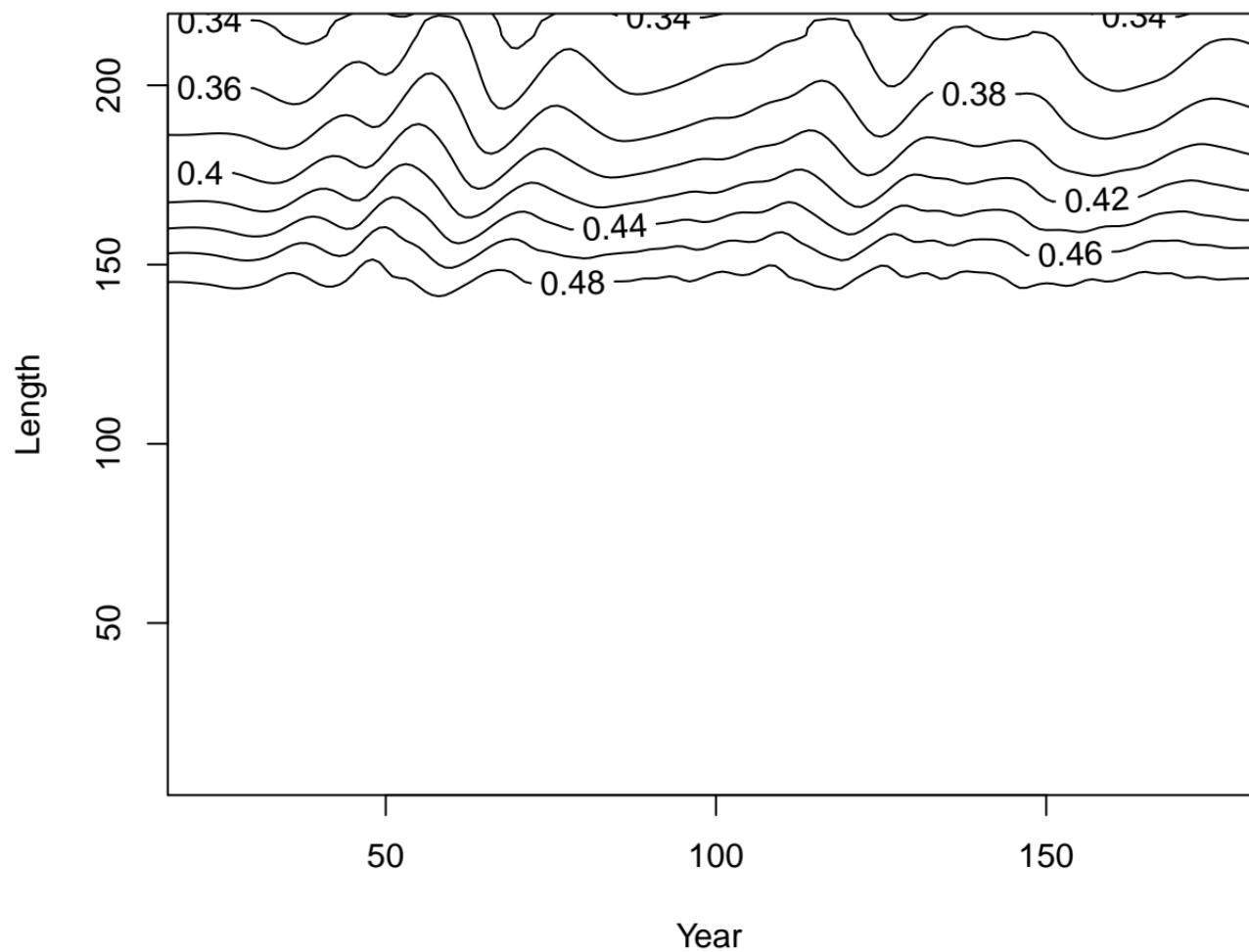




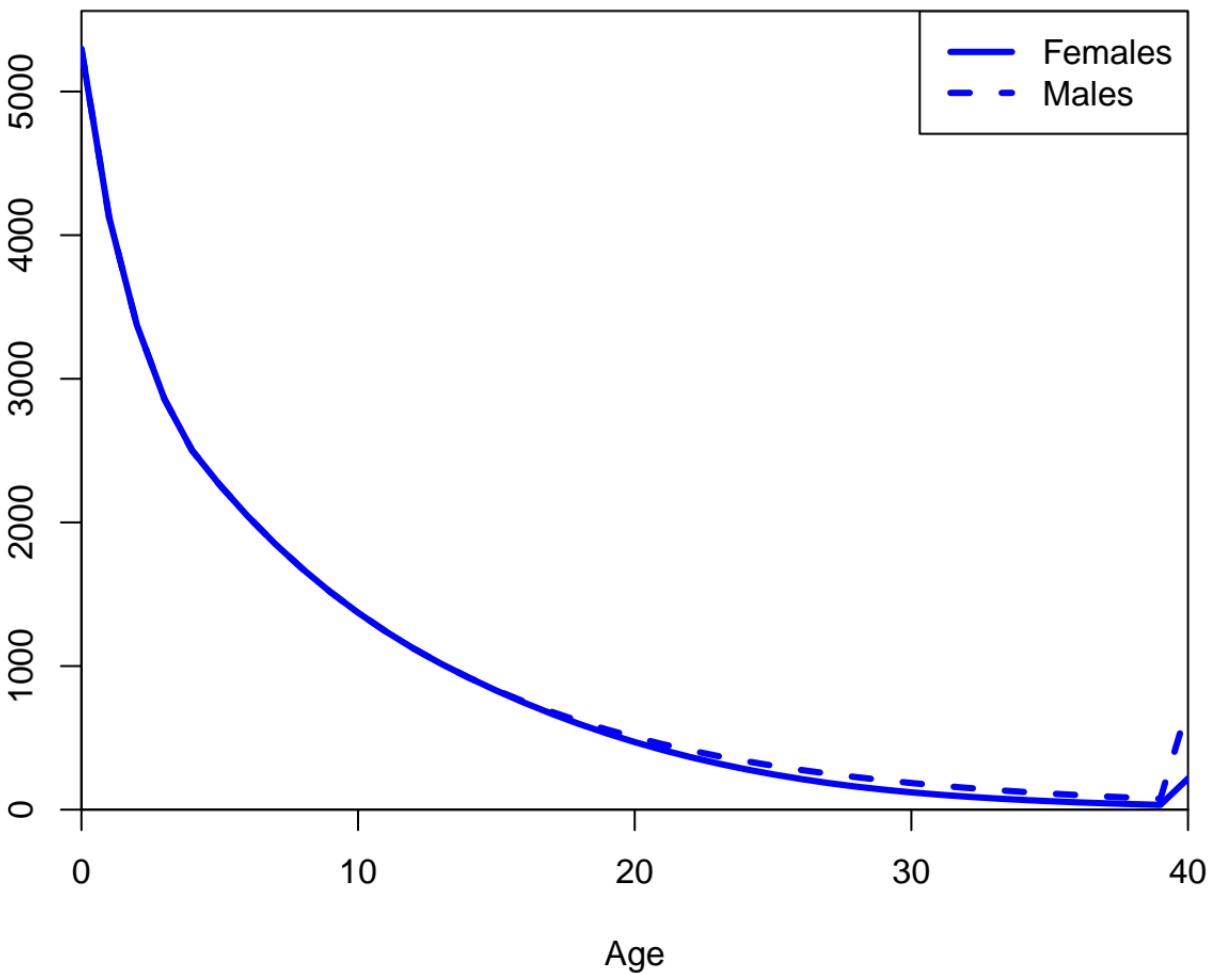


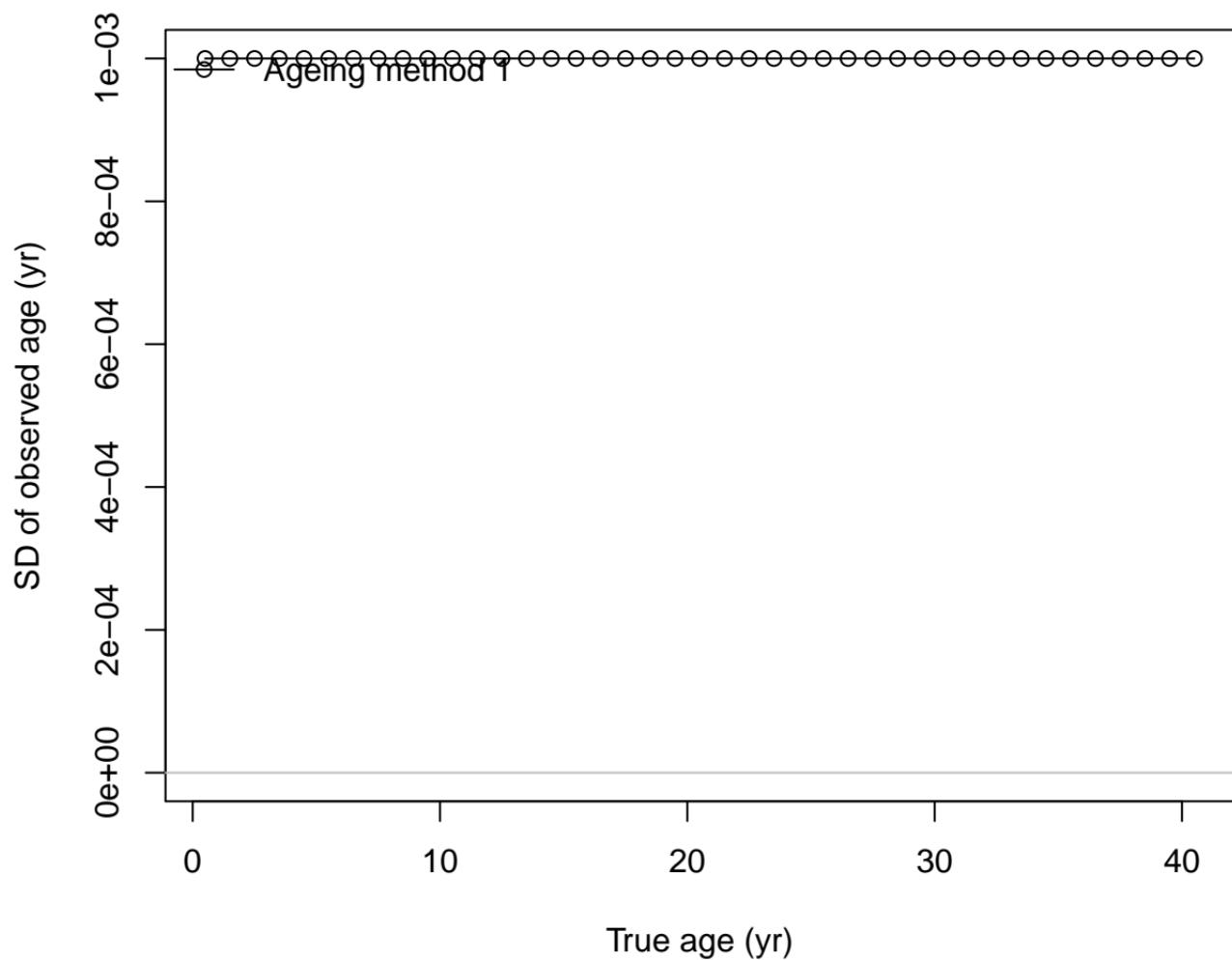




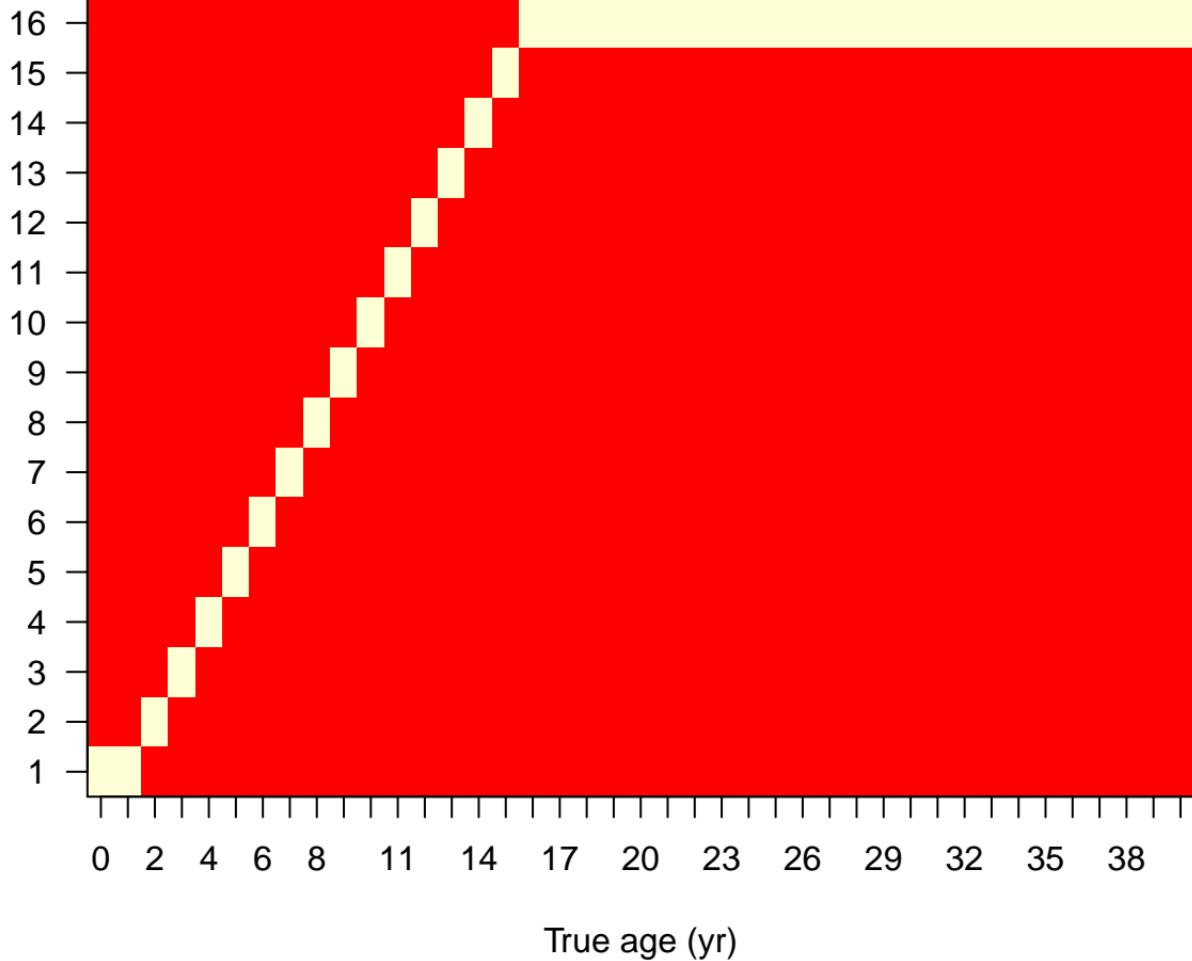


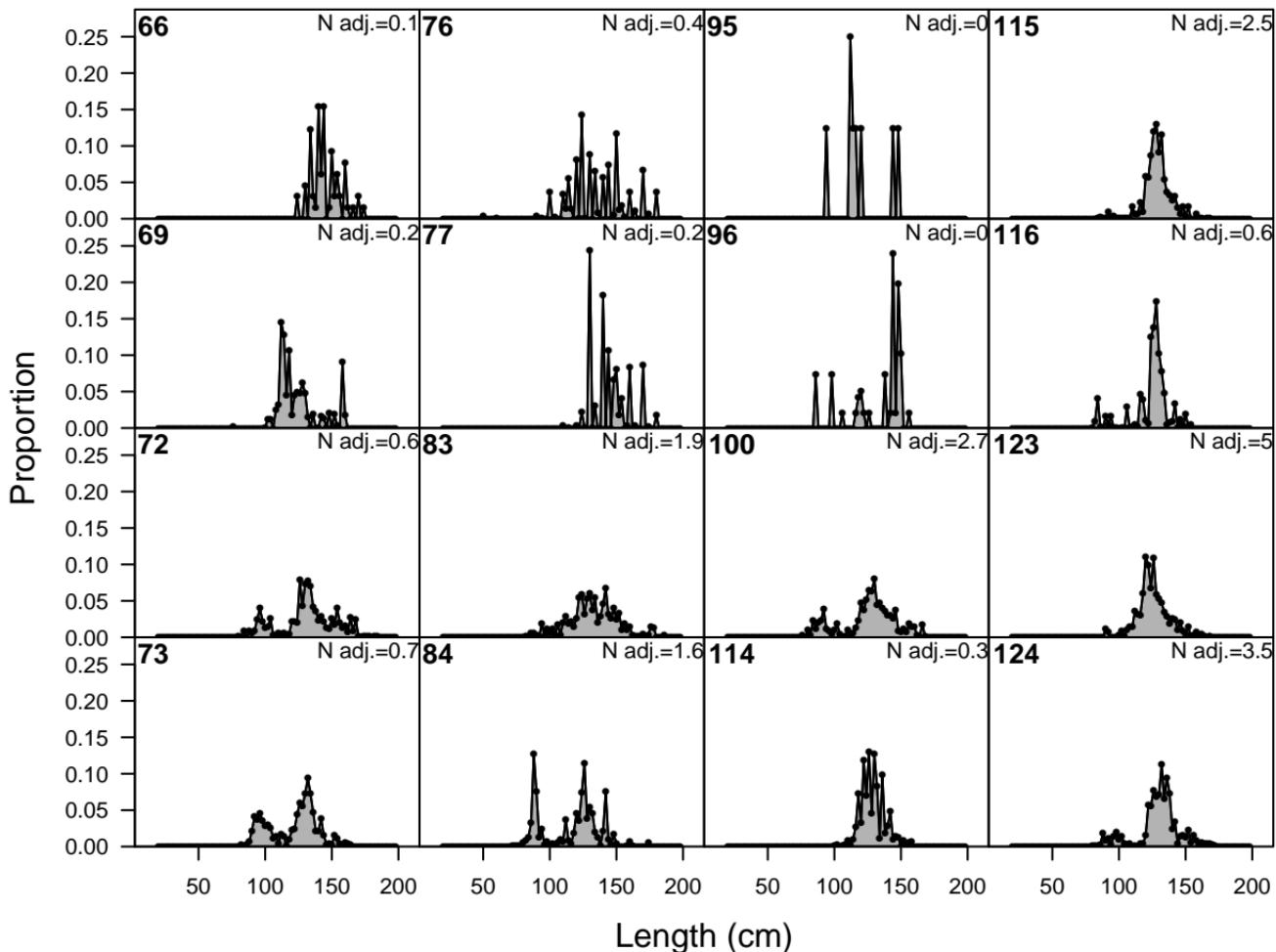
Numbers at age at equilibrium



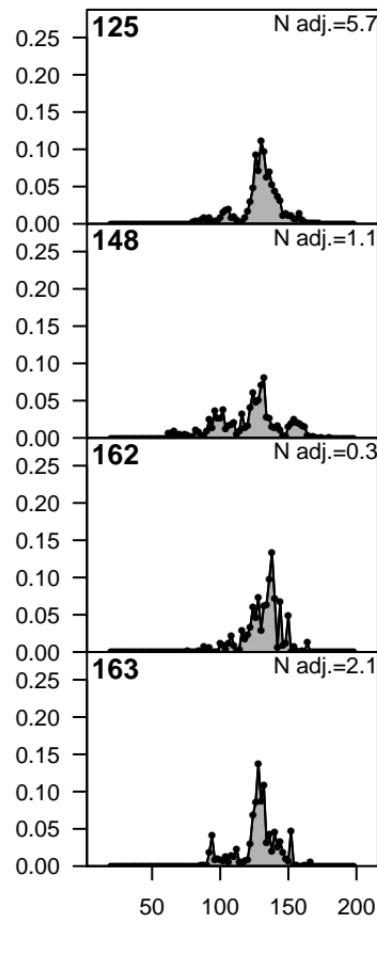


Observed age (yr)

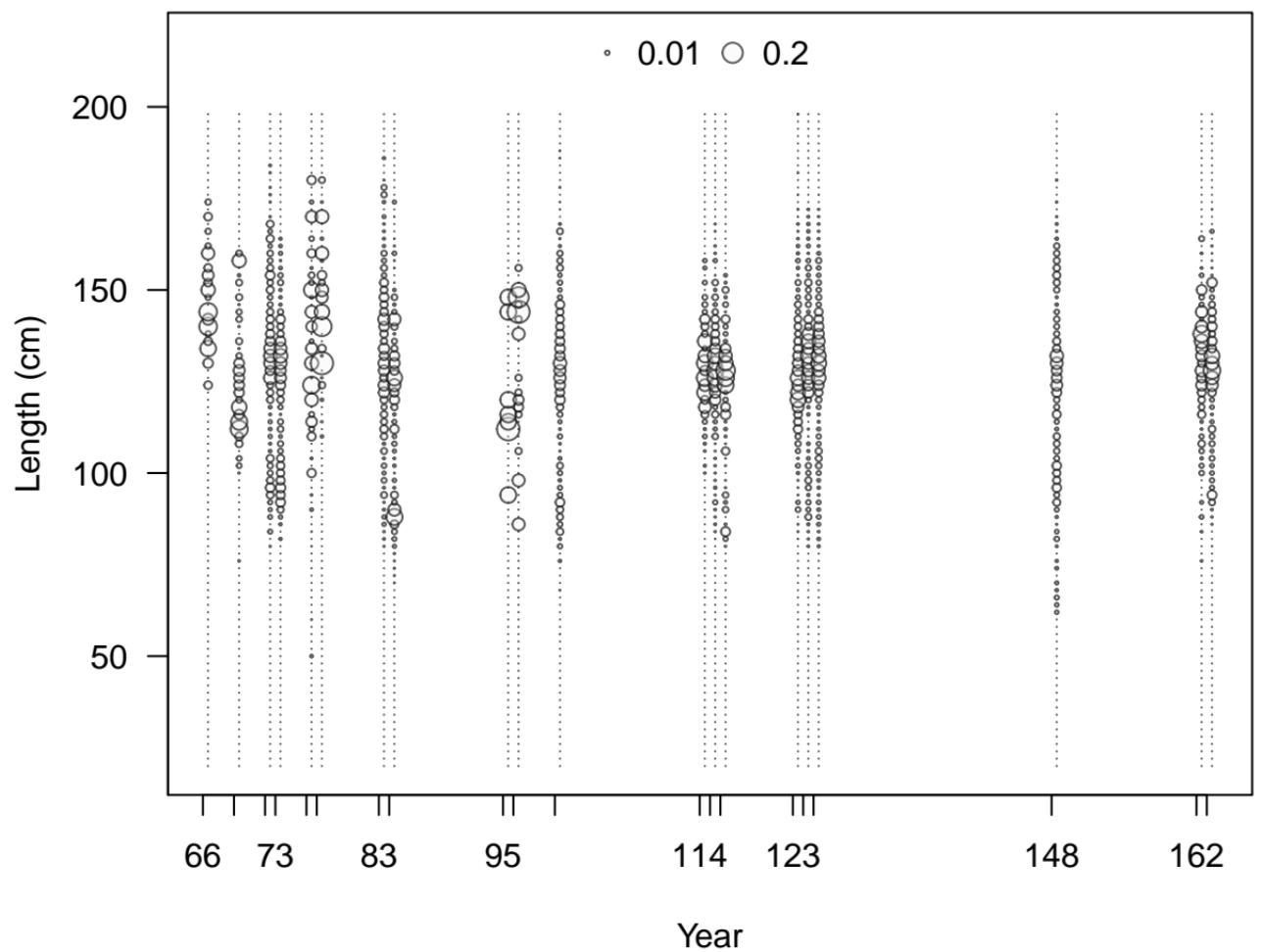




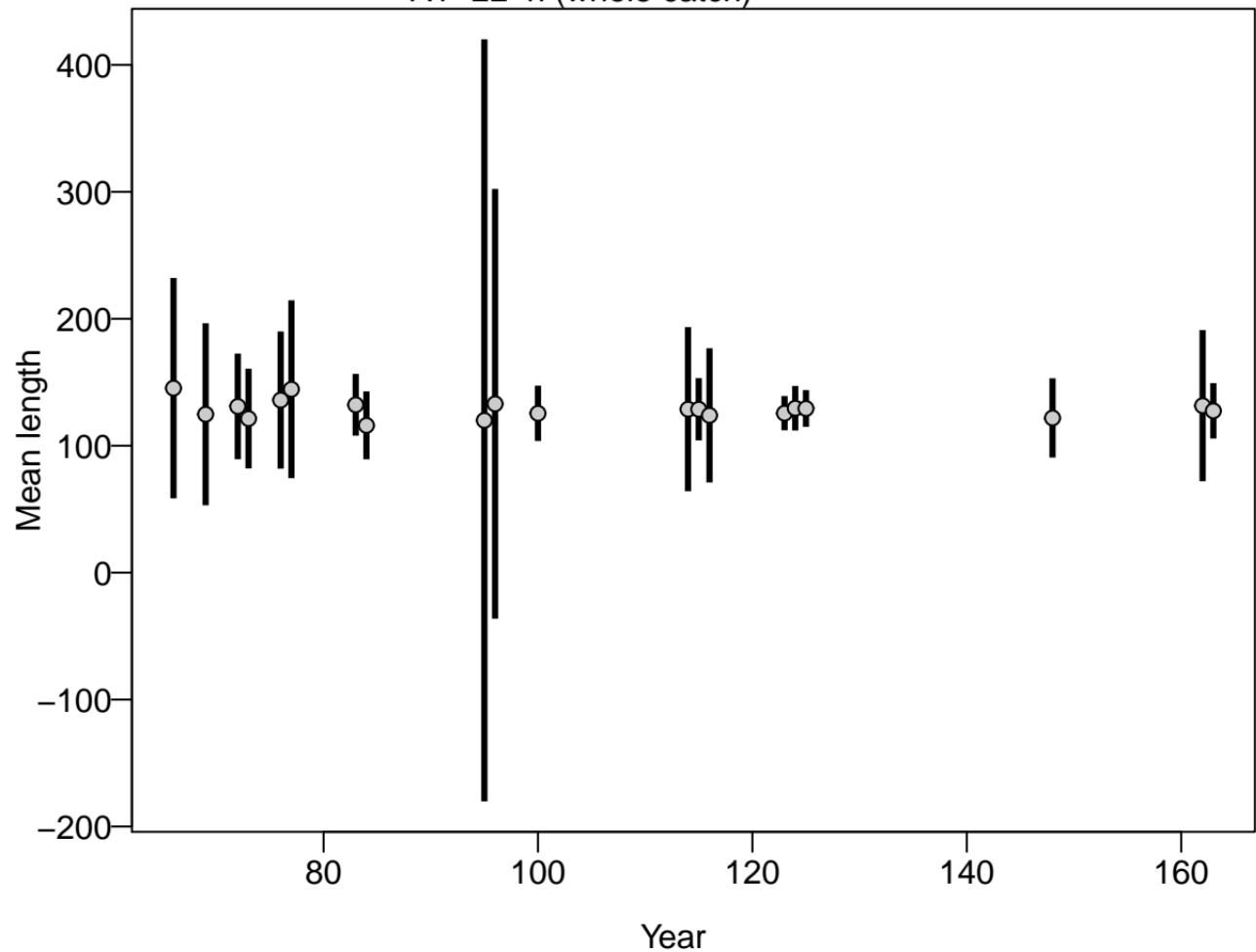
Proportion

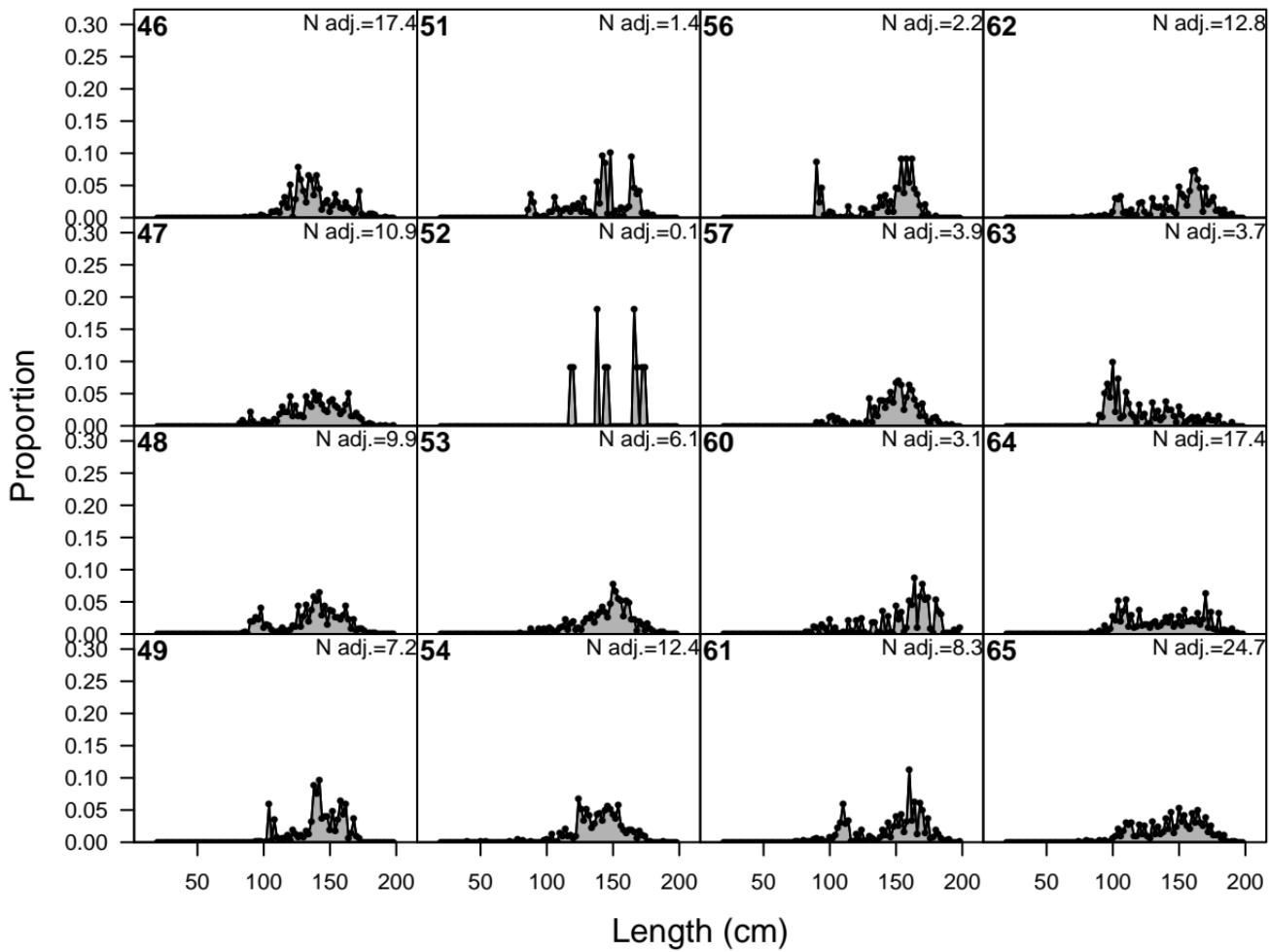


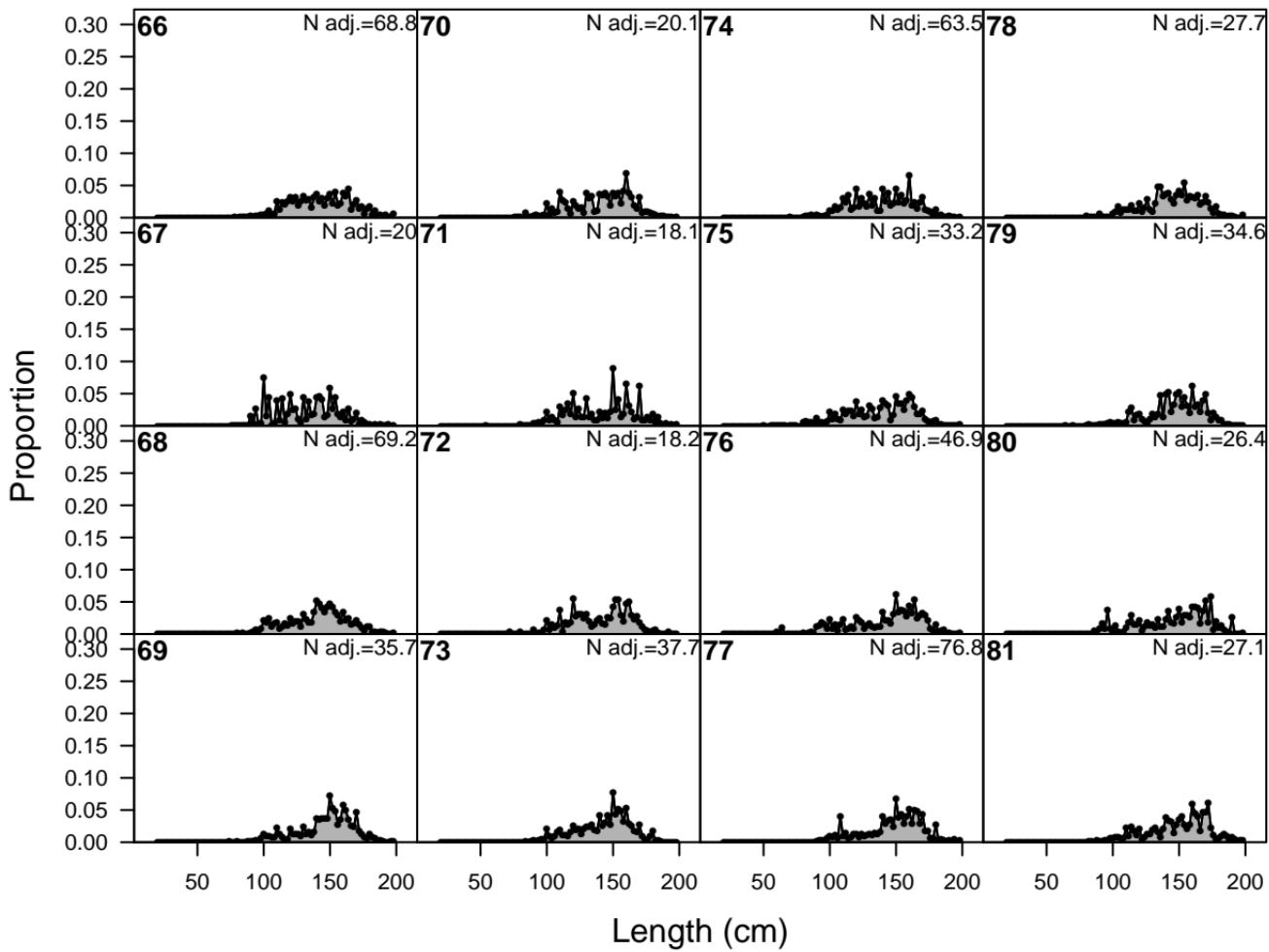
Length (cm)

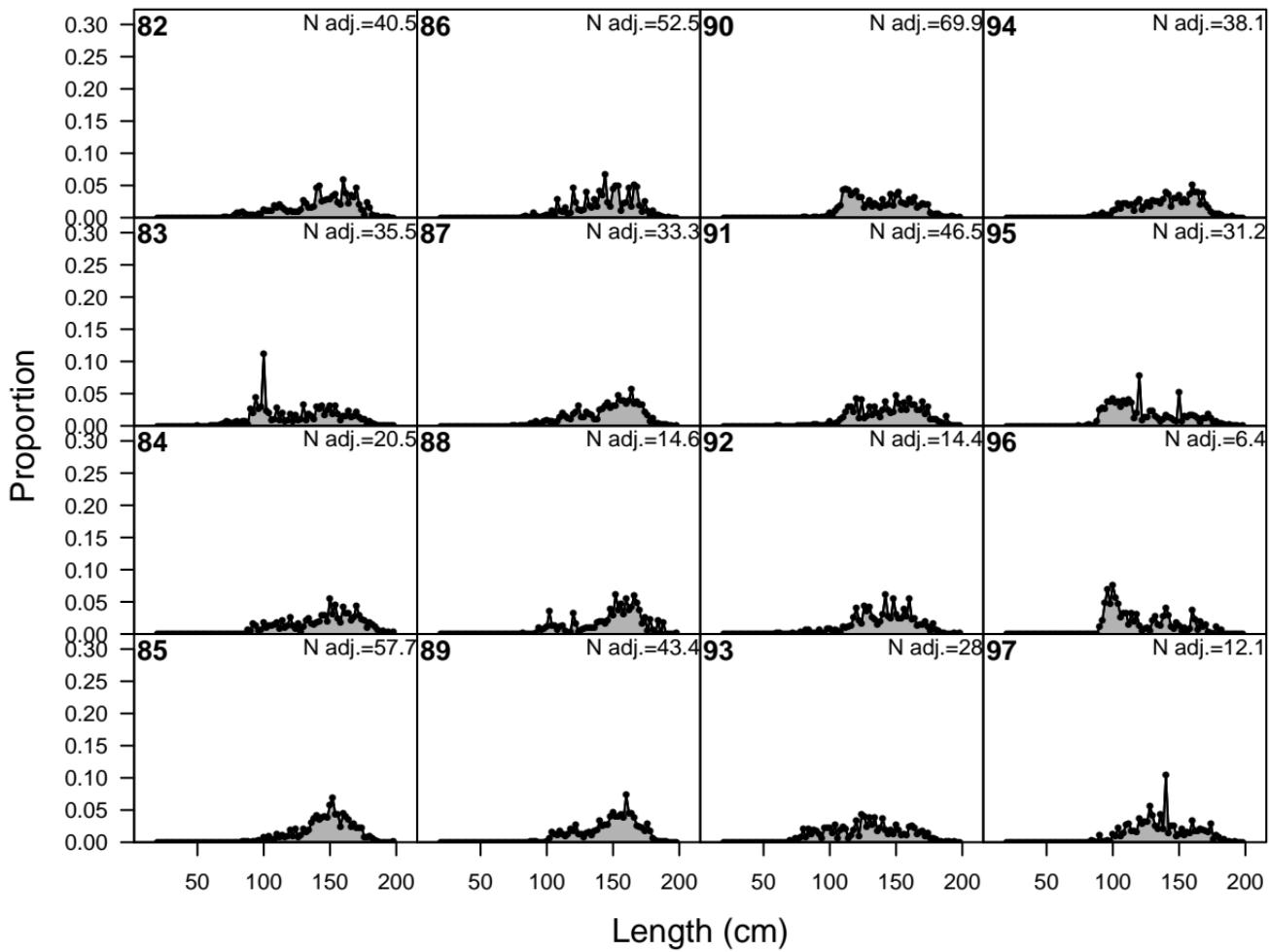


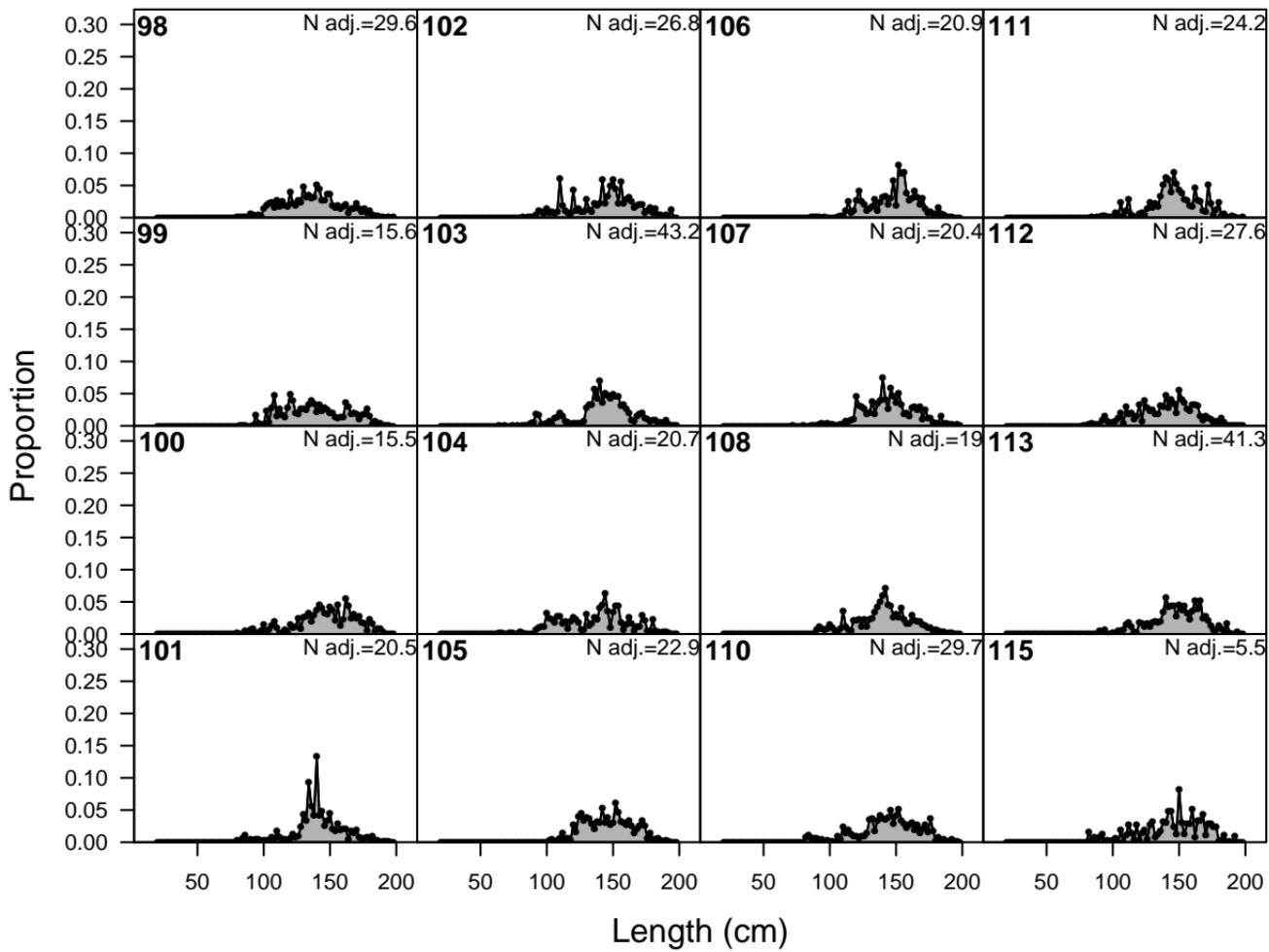
A1-LL-n (whole catch)

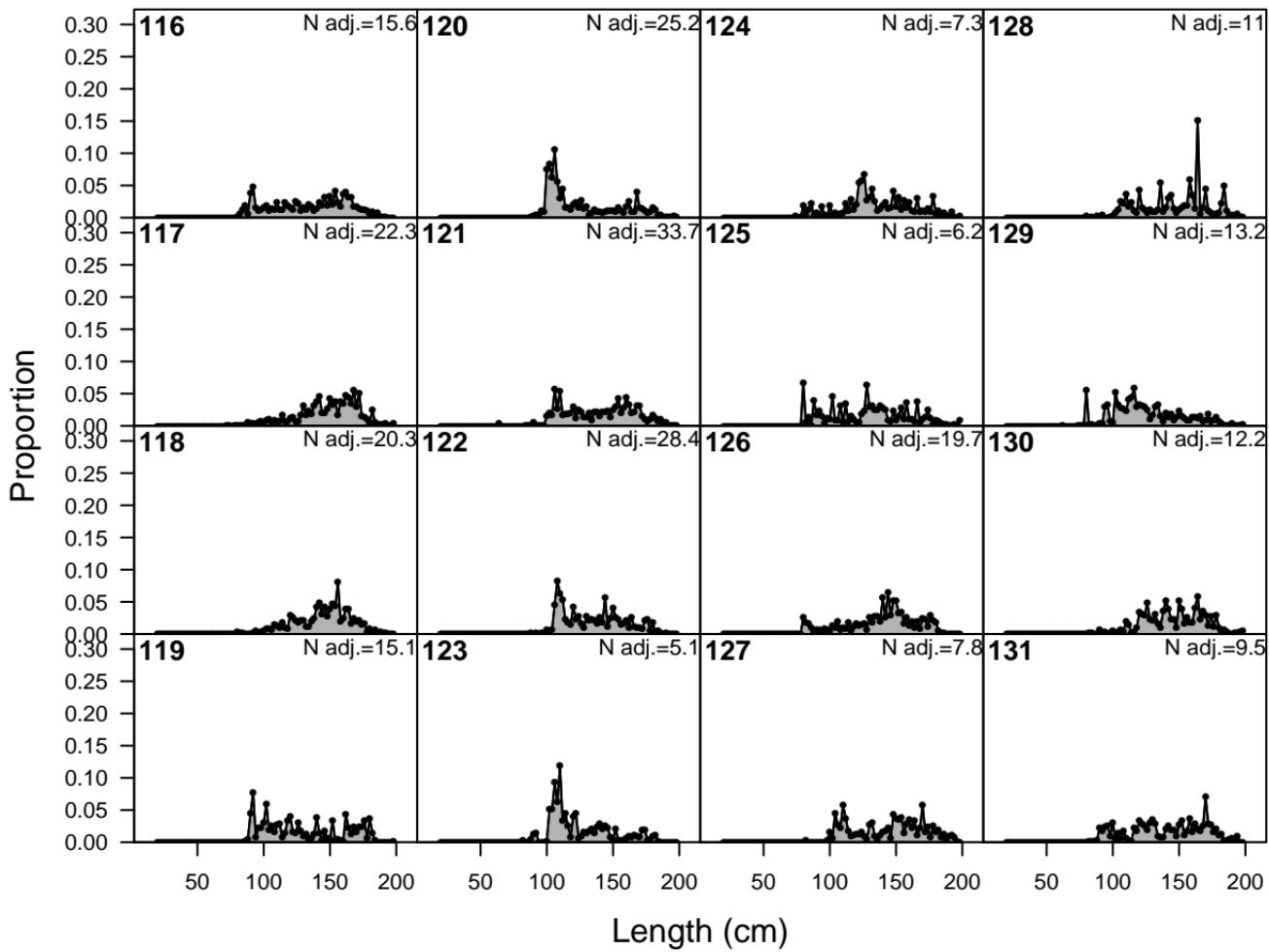


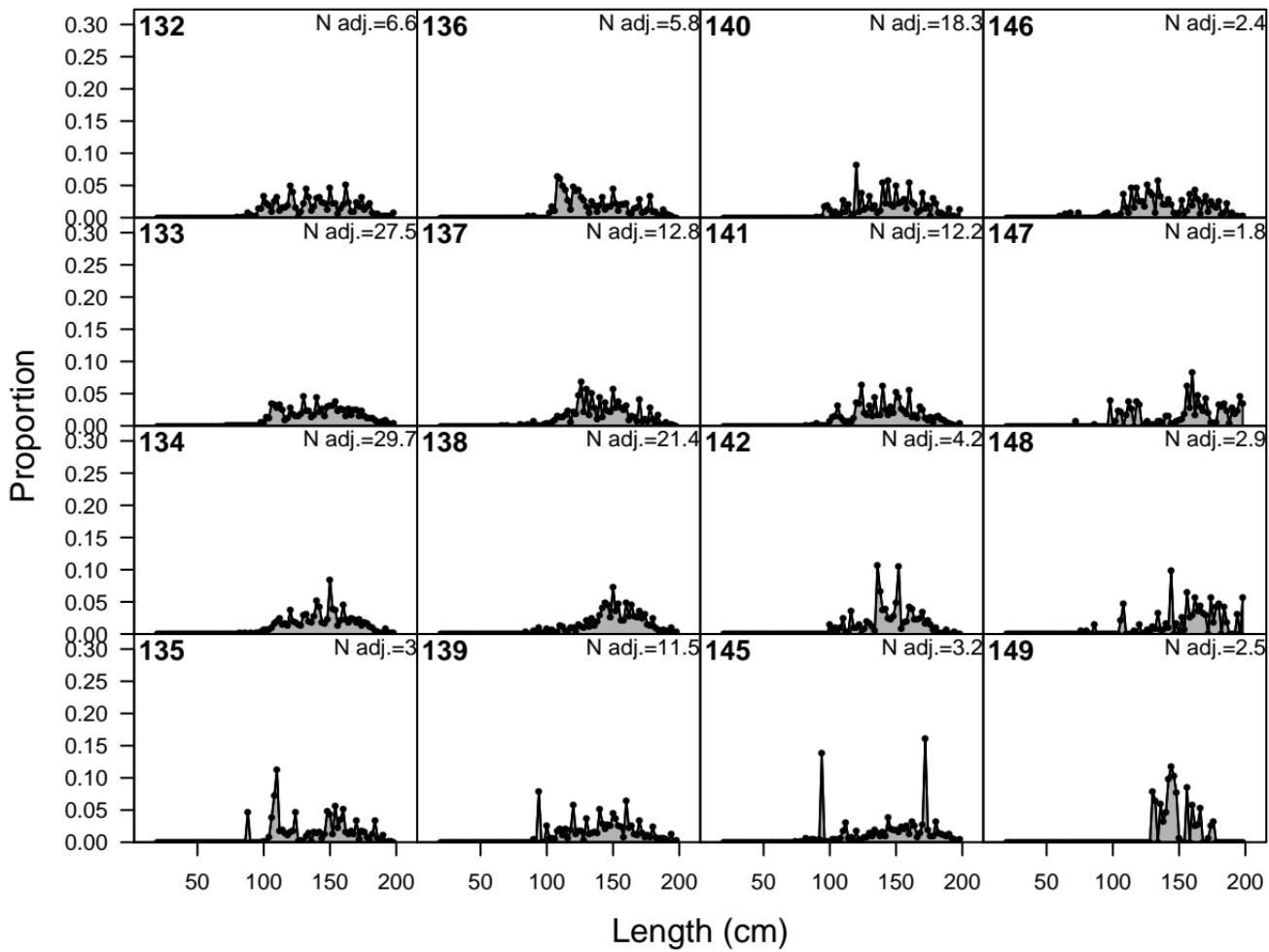


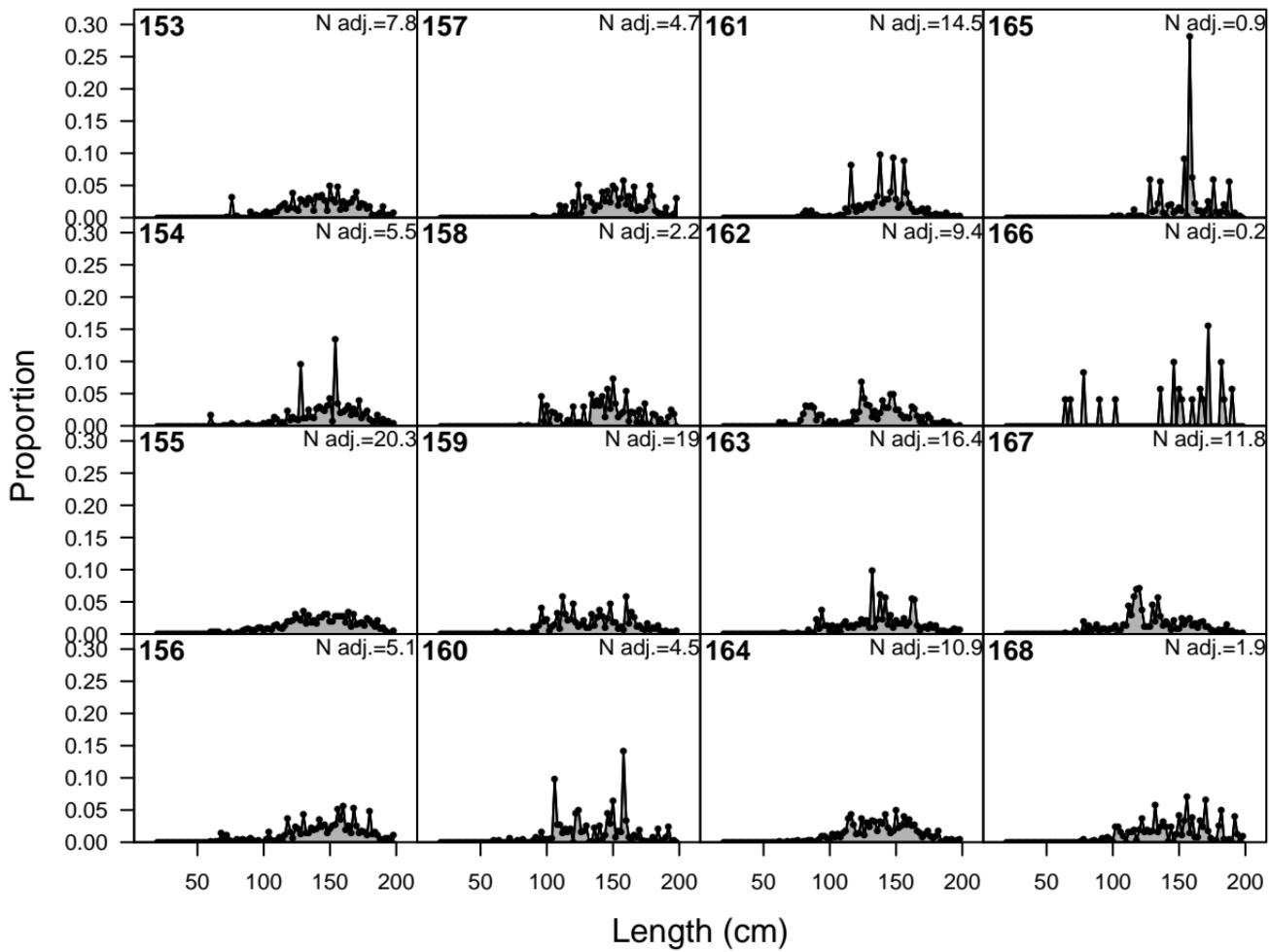


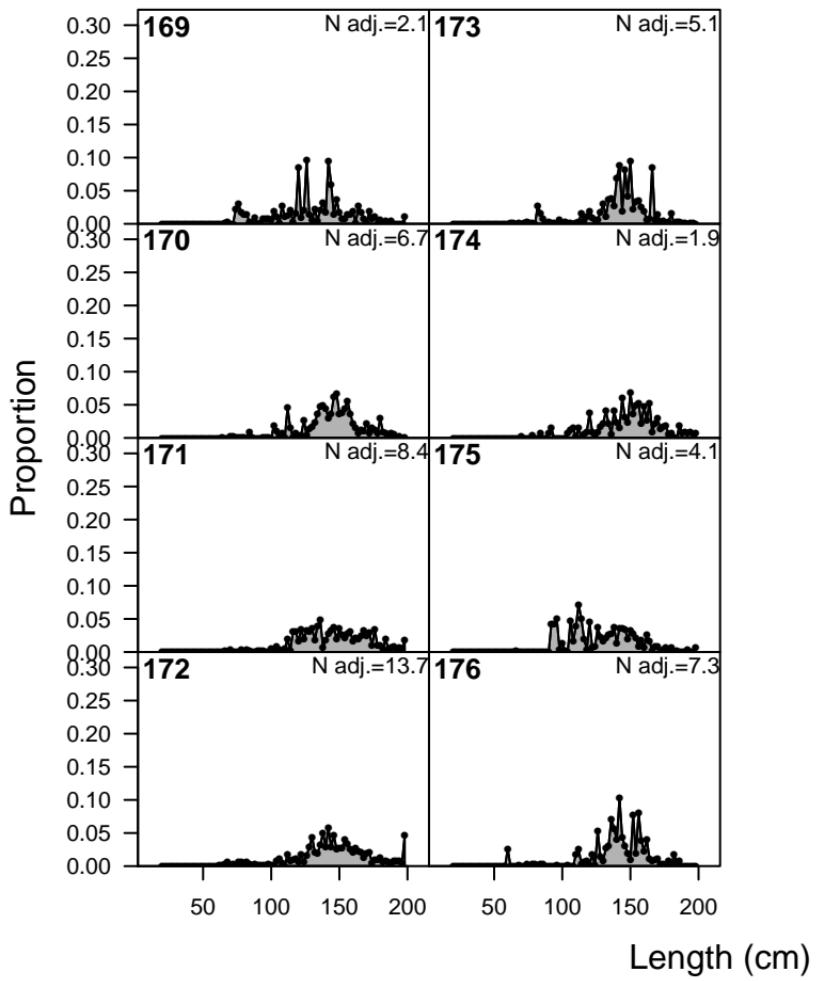


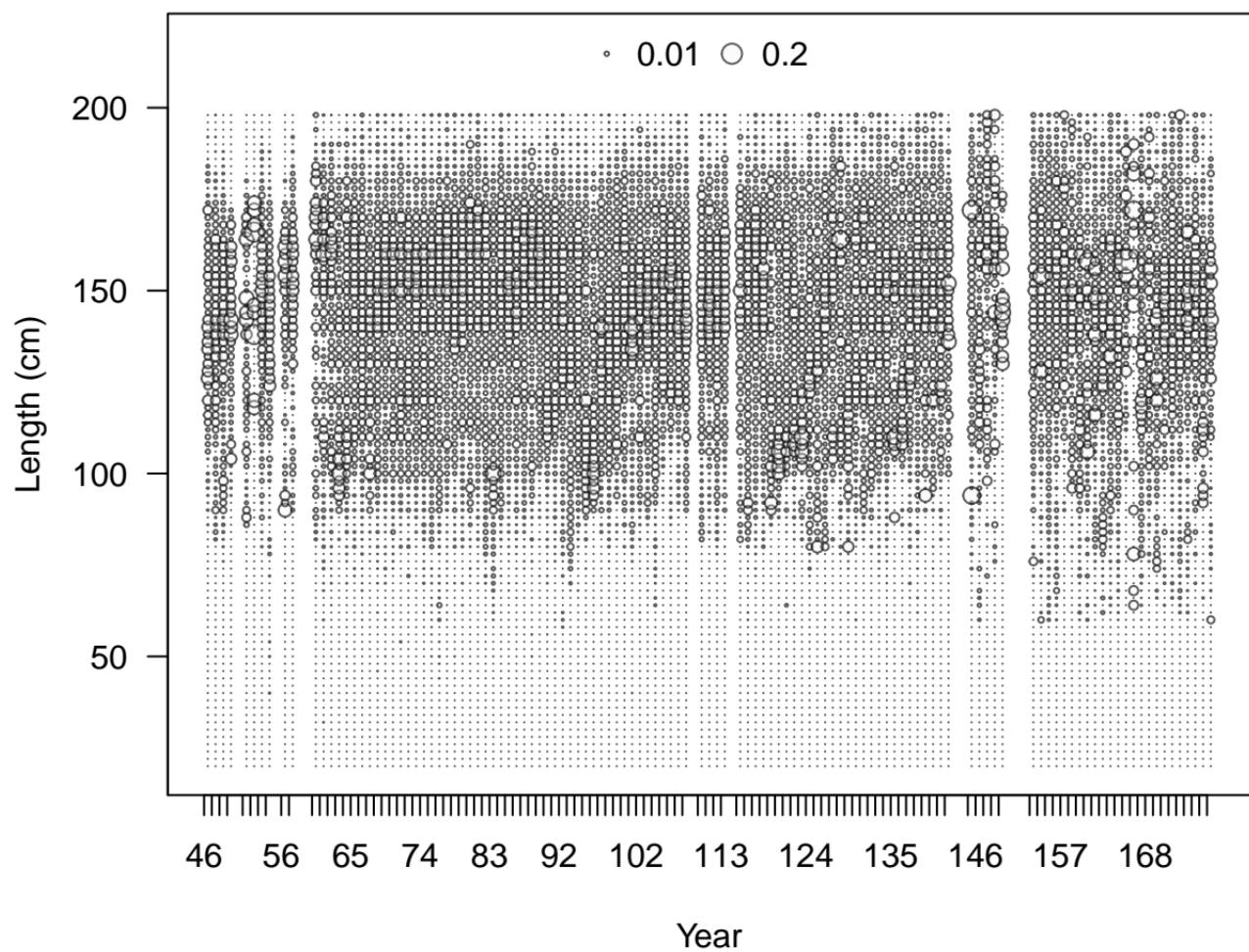




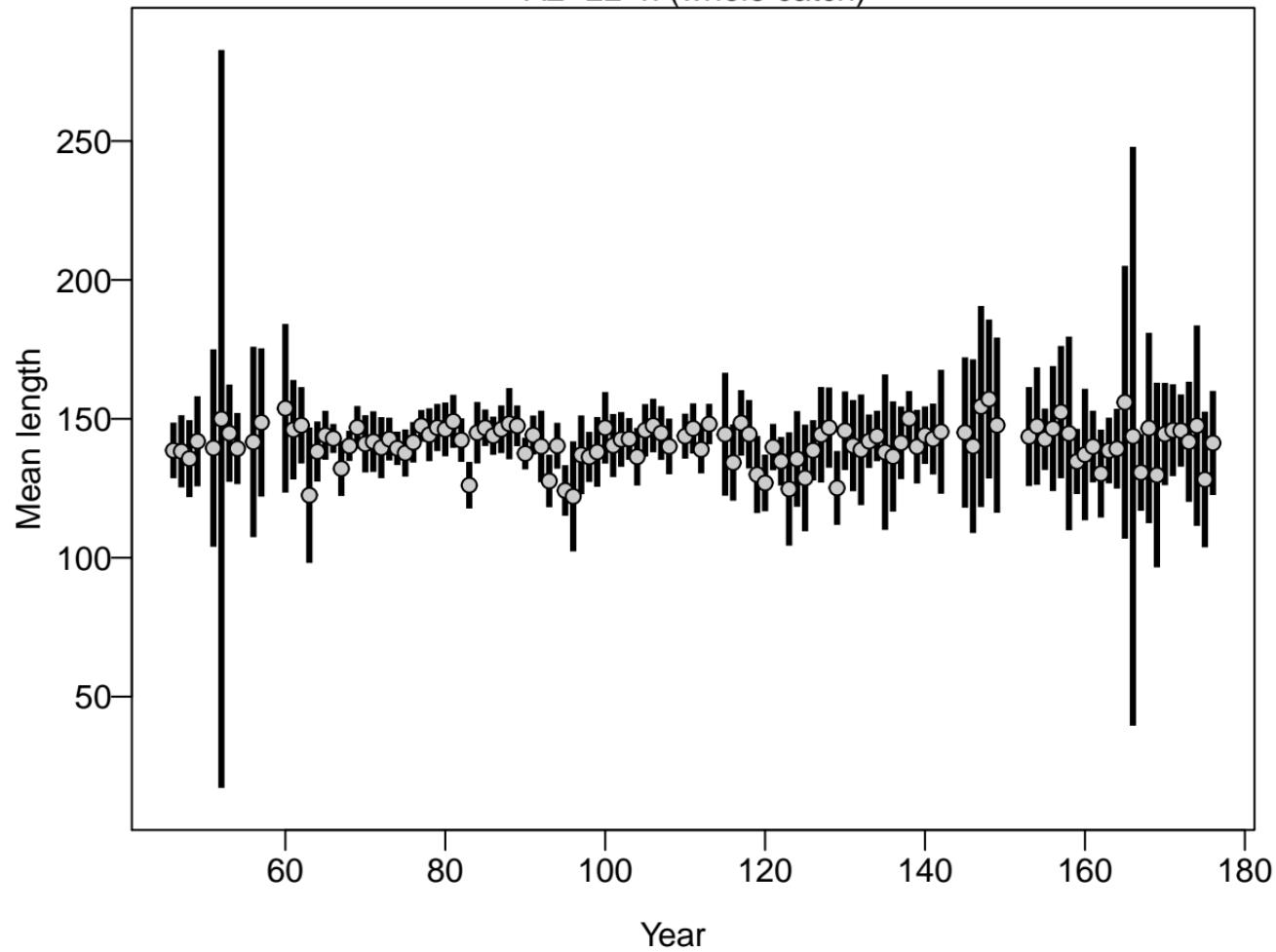




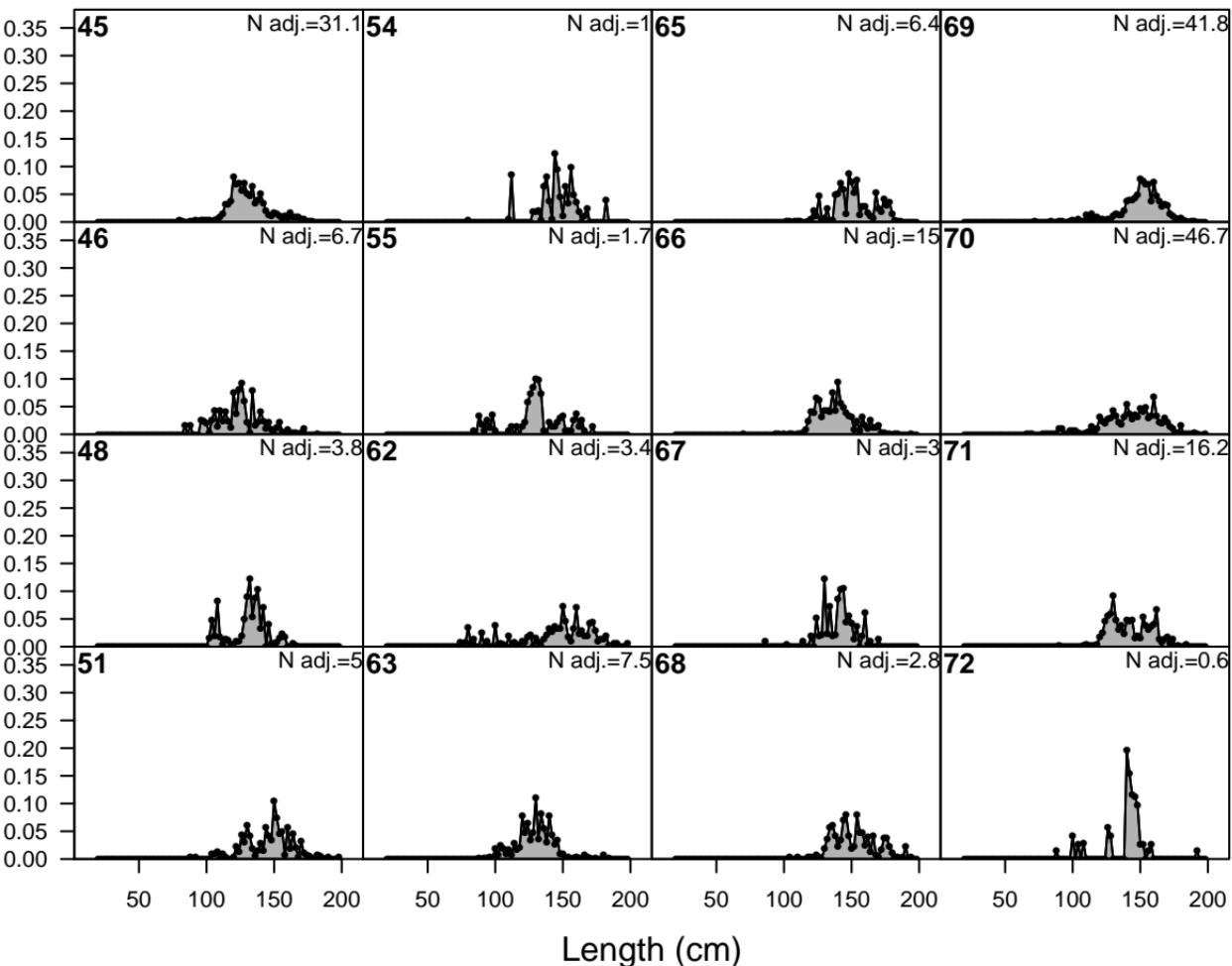




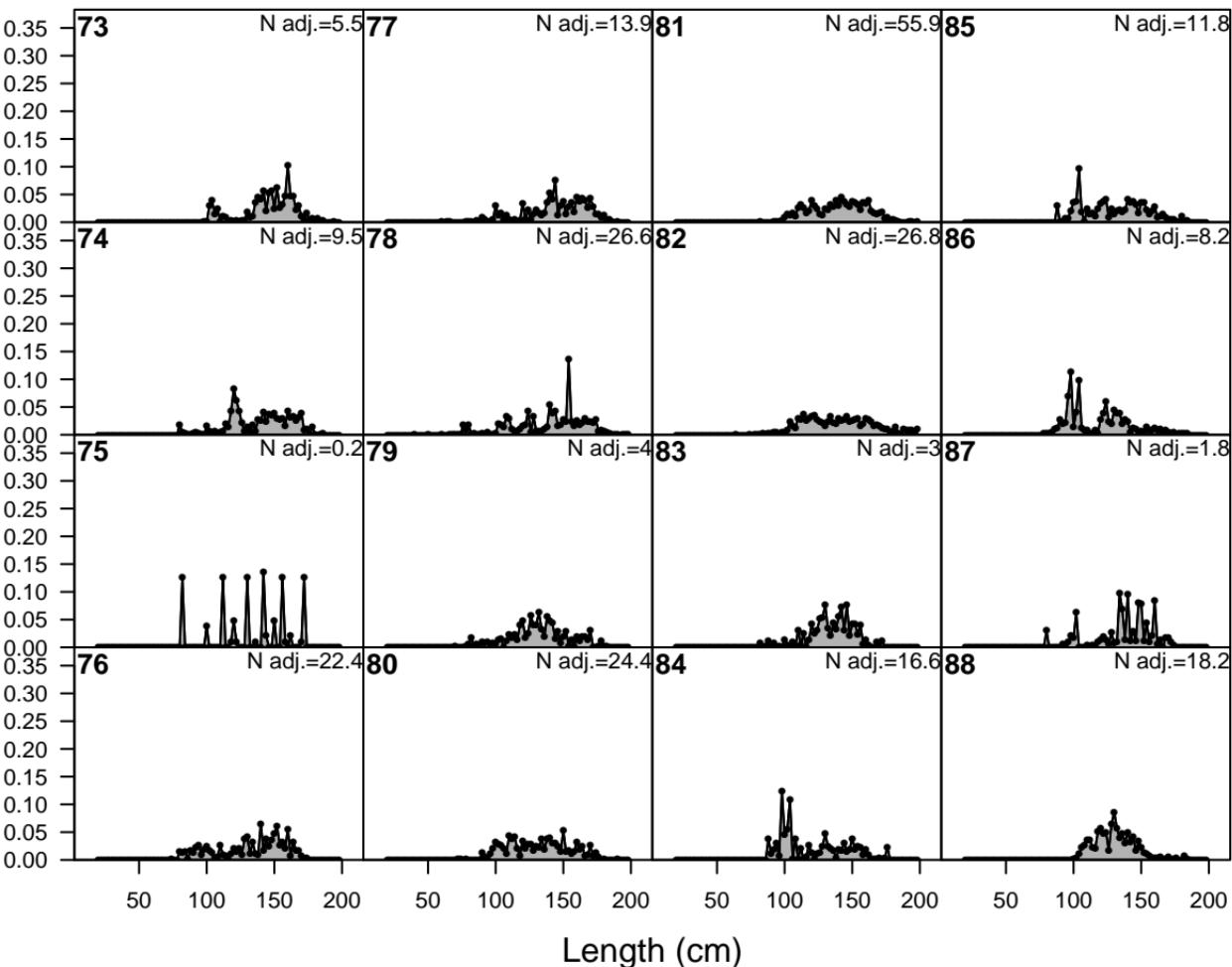
A2-LL-n (whole catch)



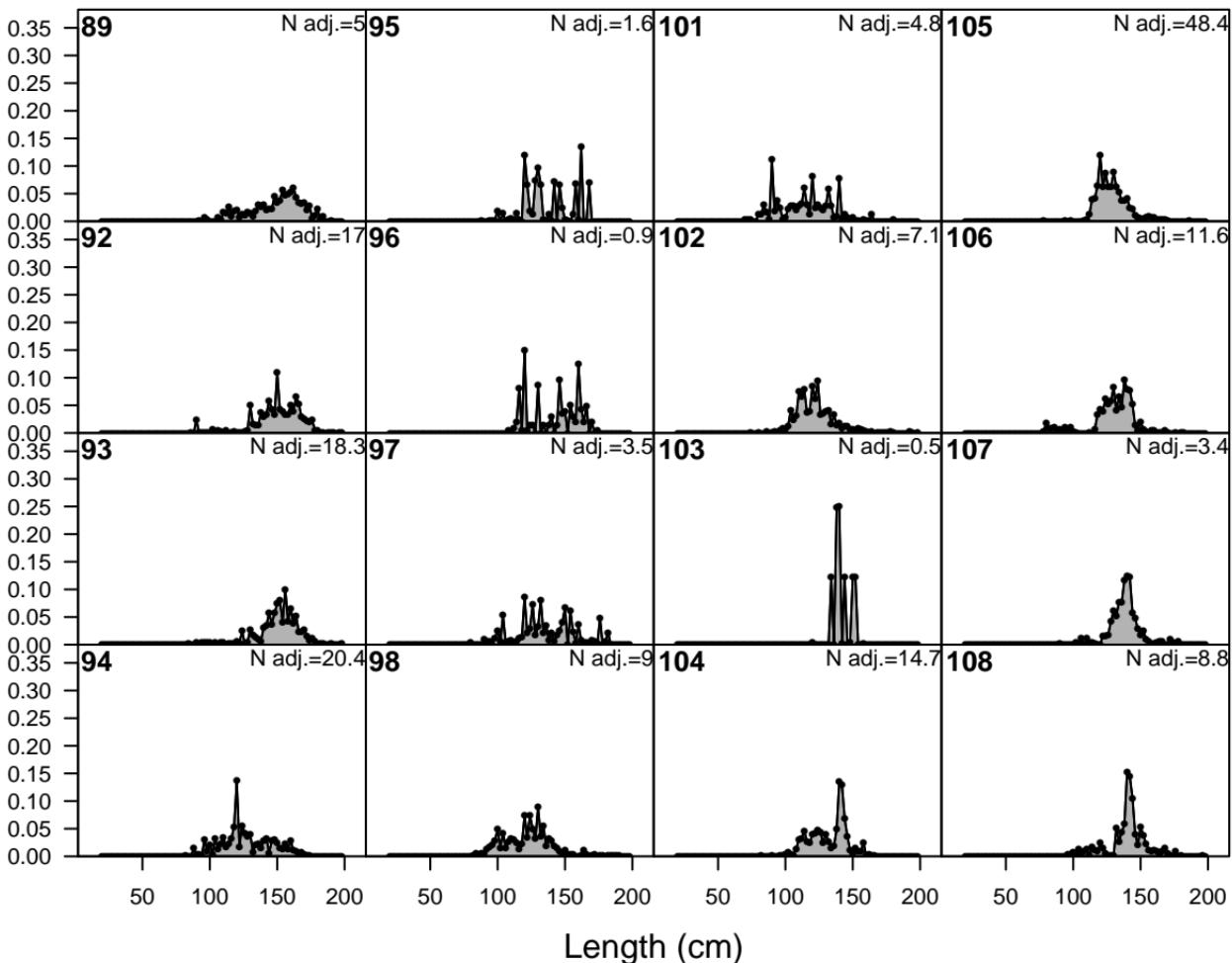
Proportion

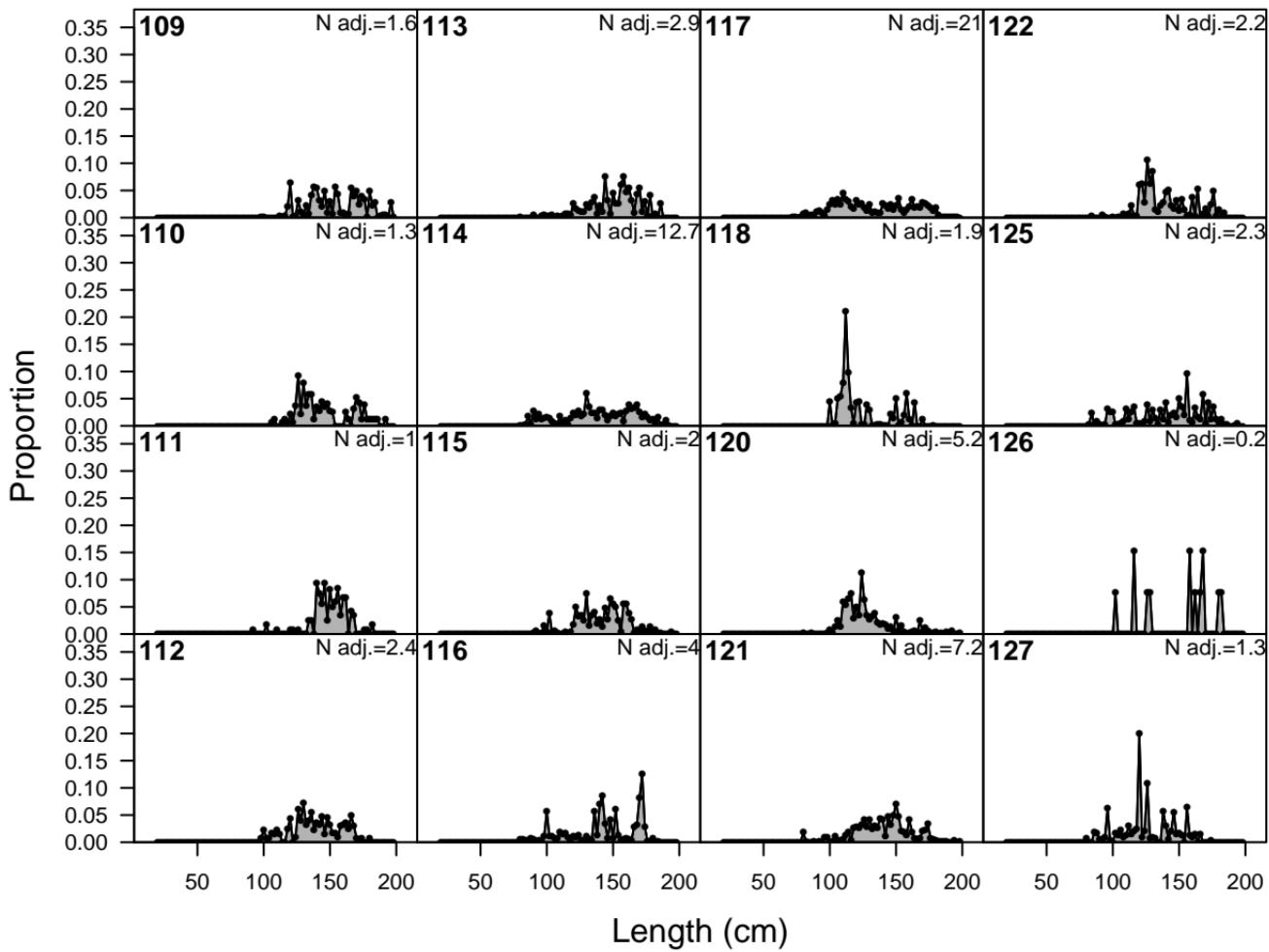


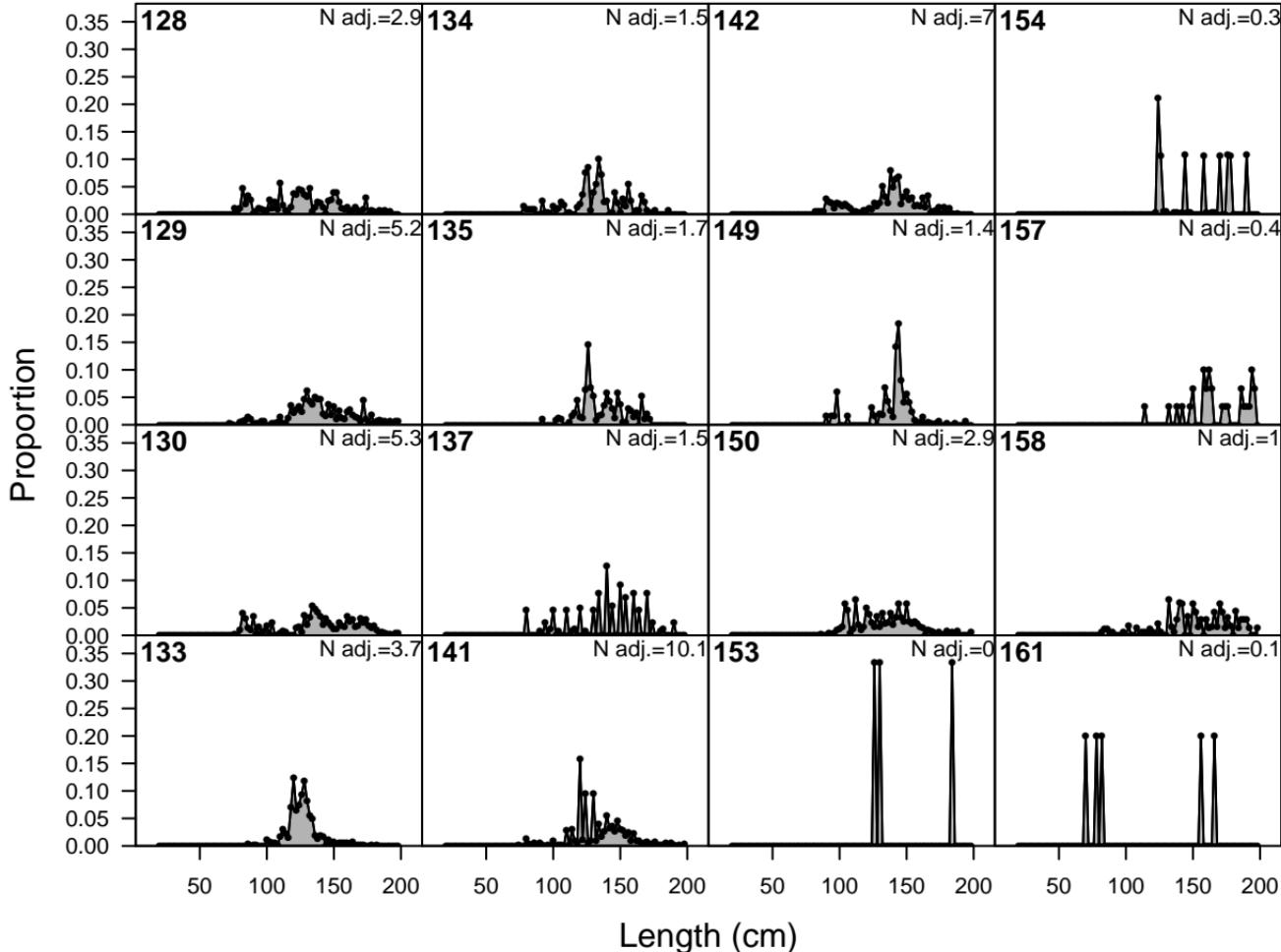
Proportion

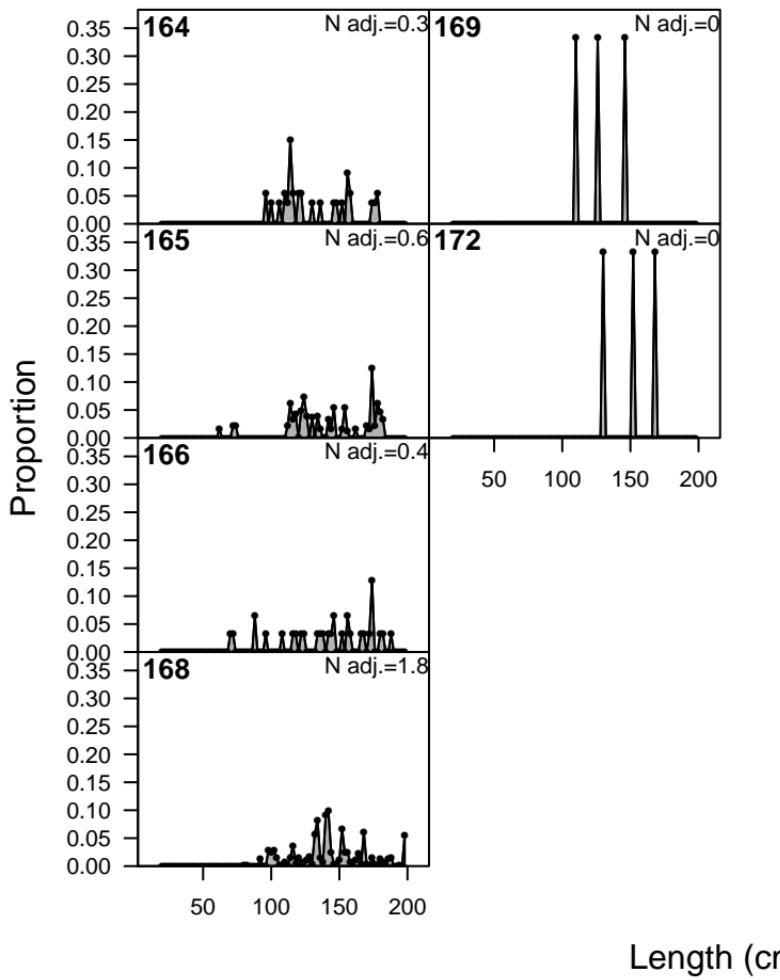


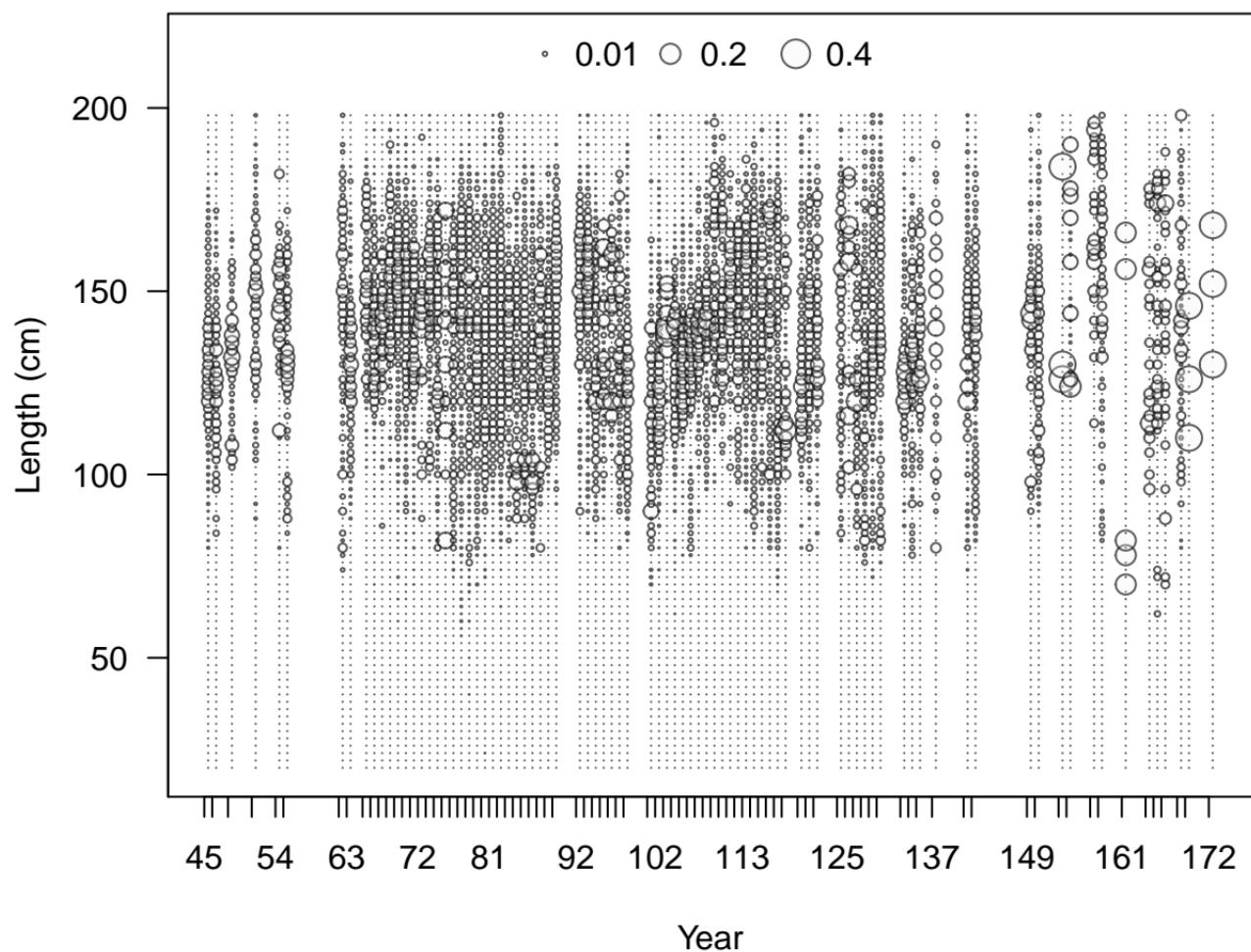
Proportion



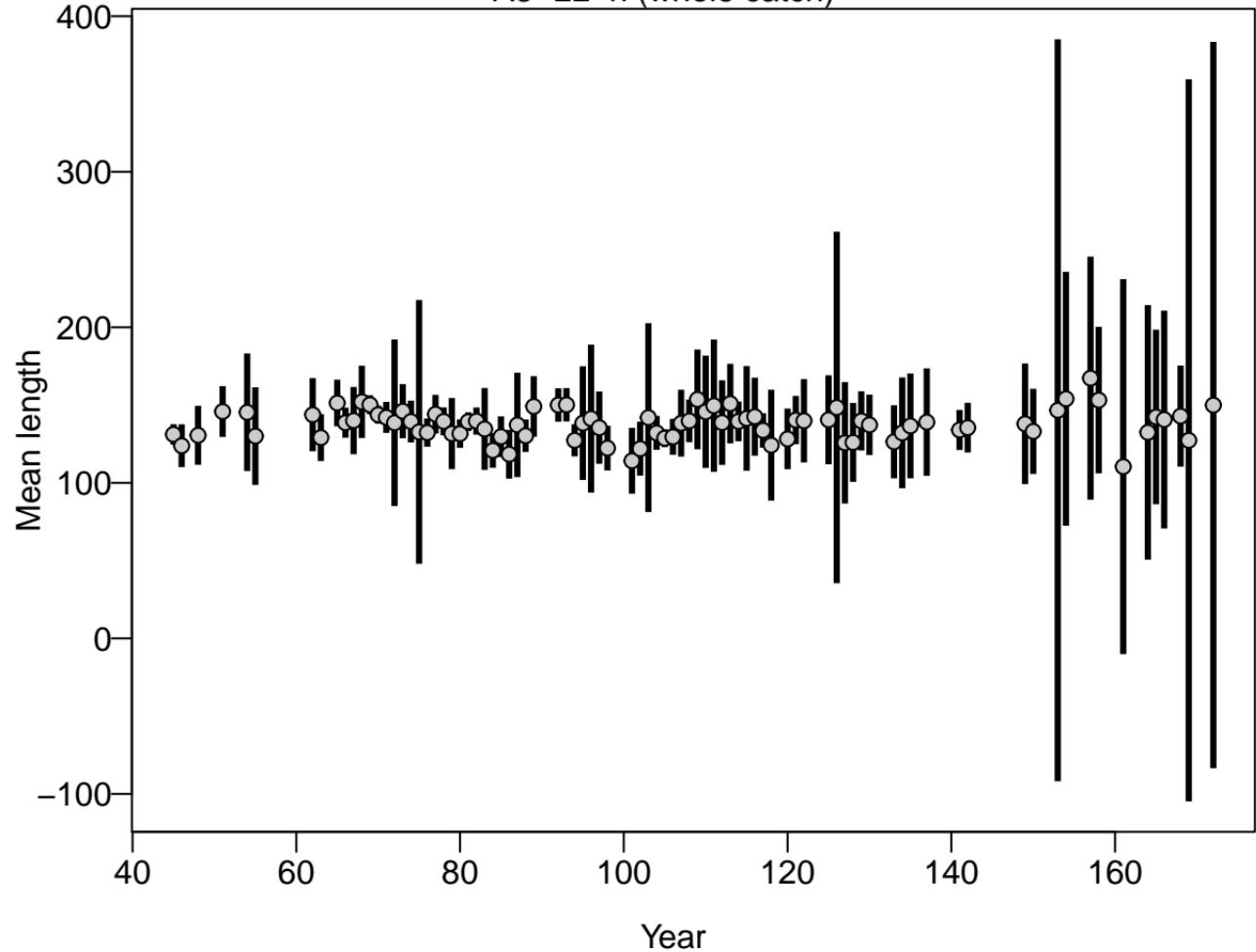




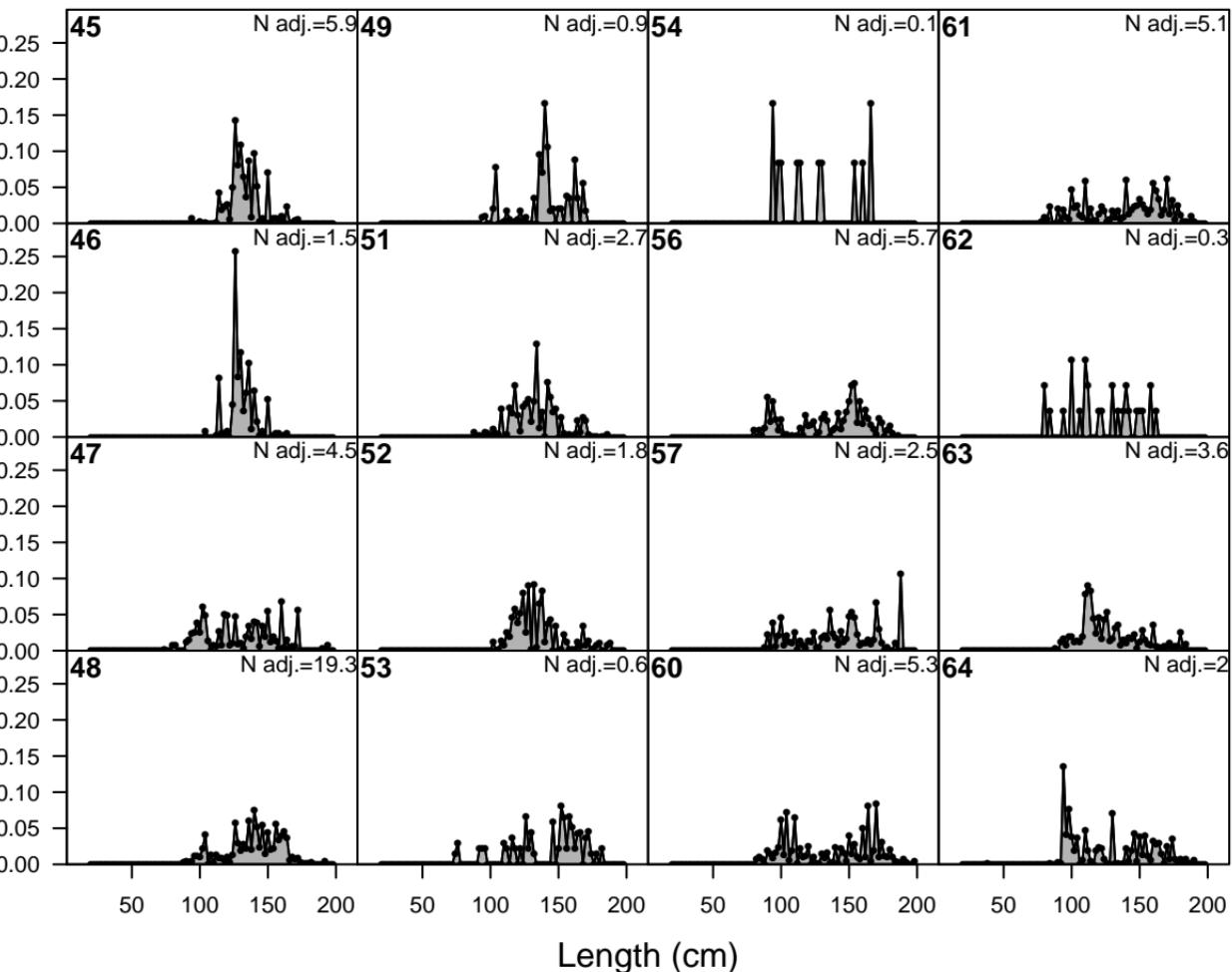


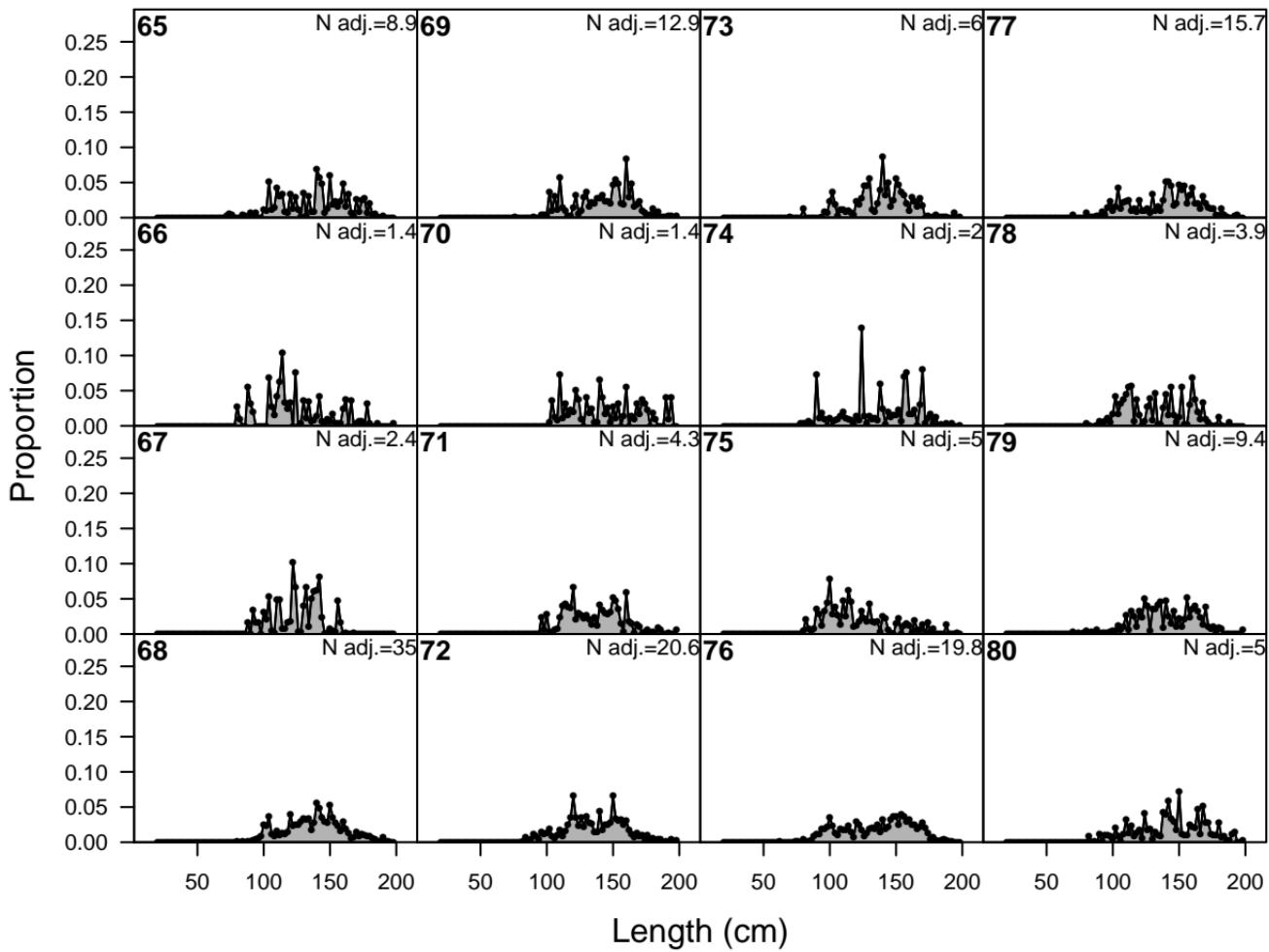


A3-LL-n (whole catch)

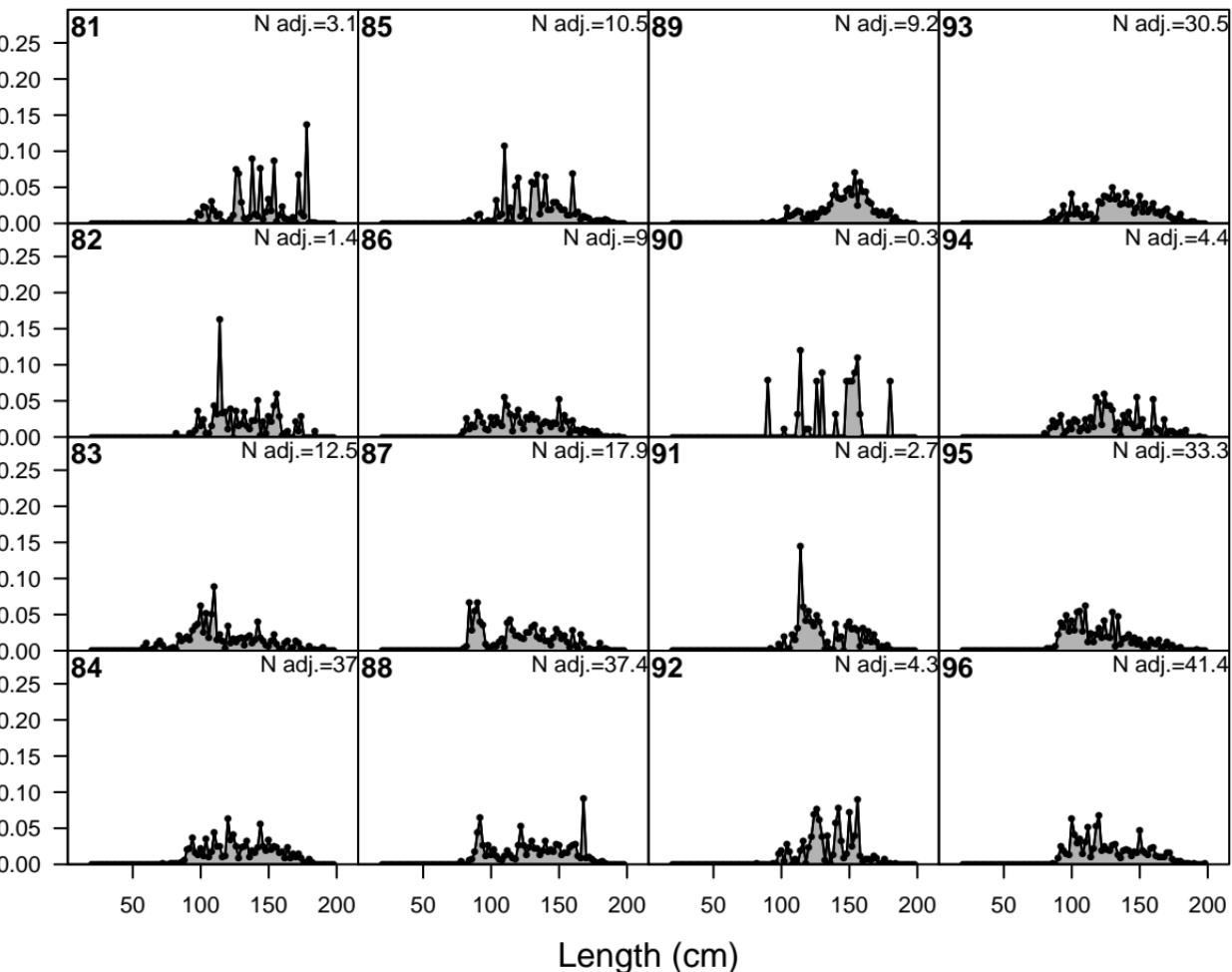


Proportion

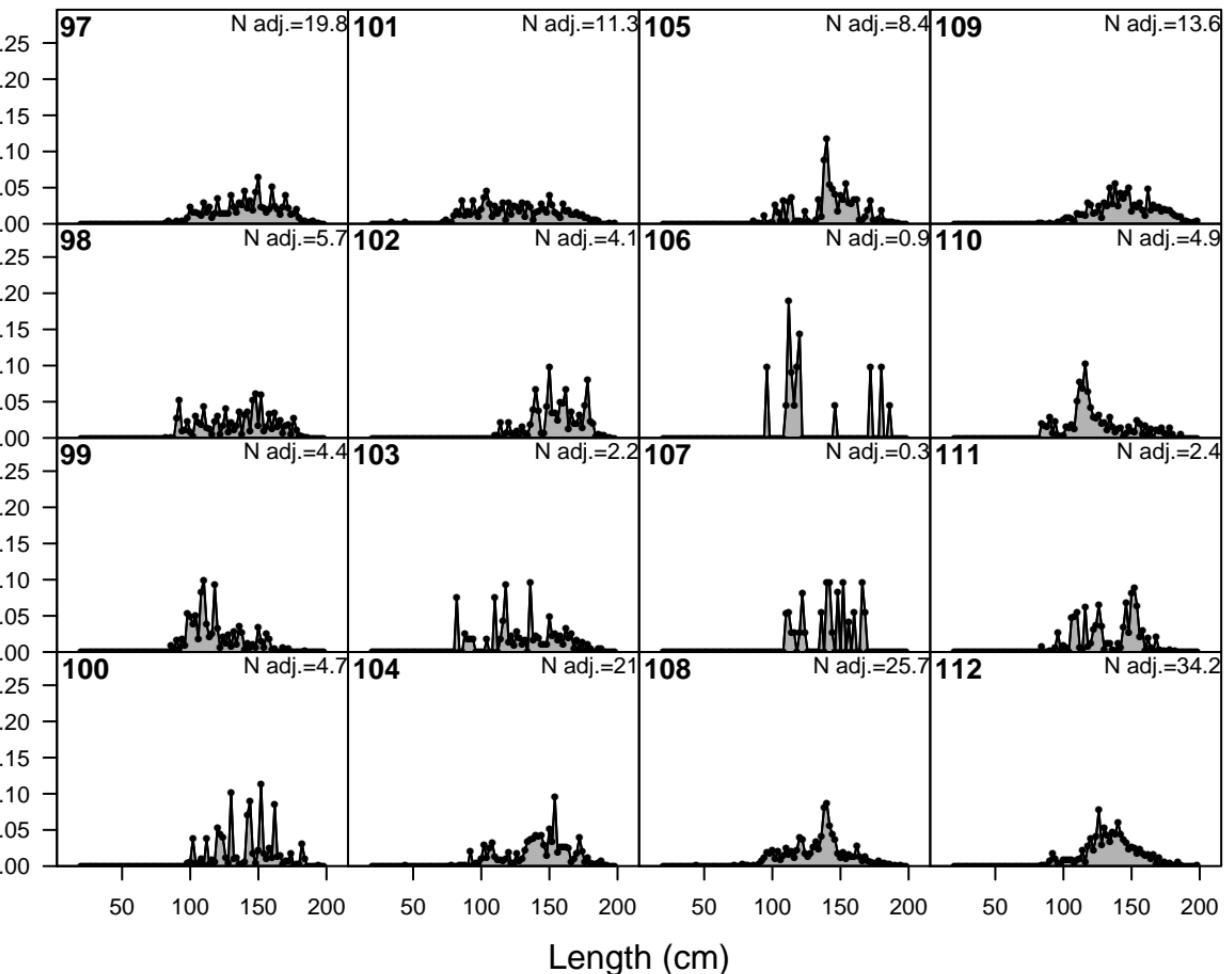




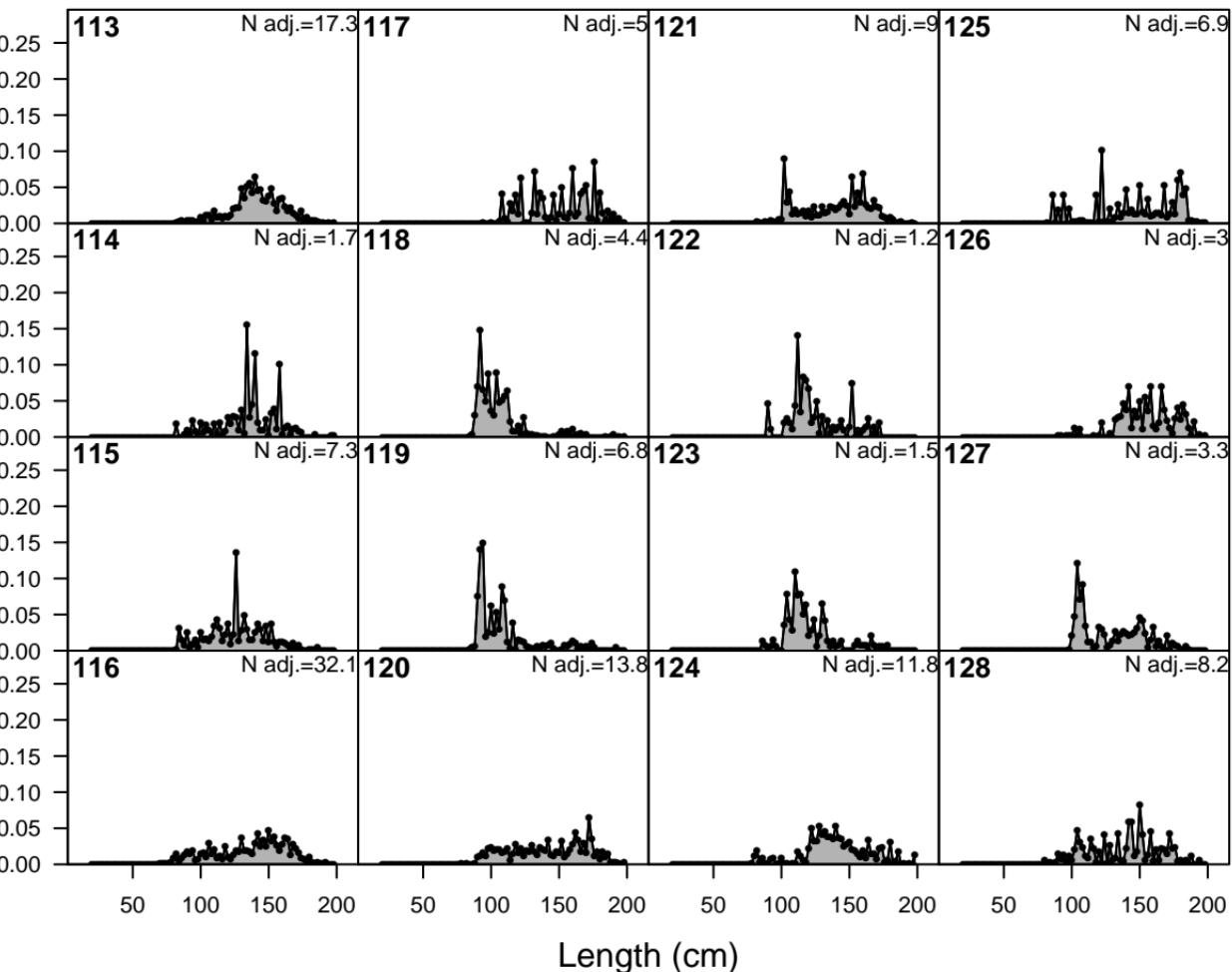
Proportion

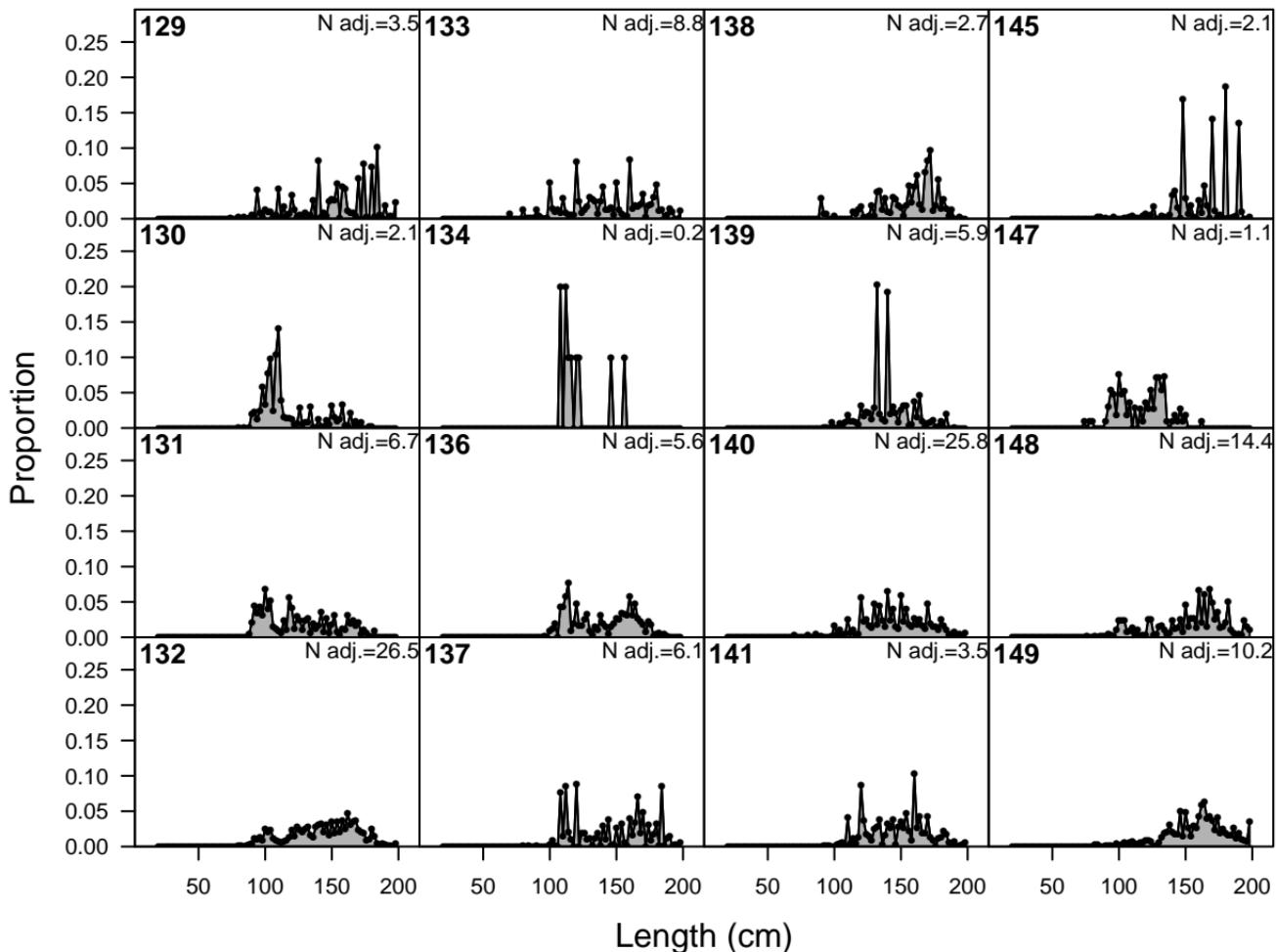


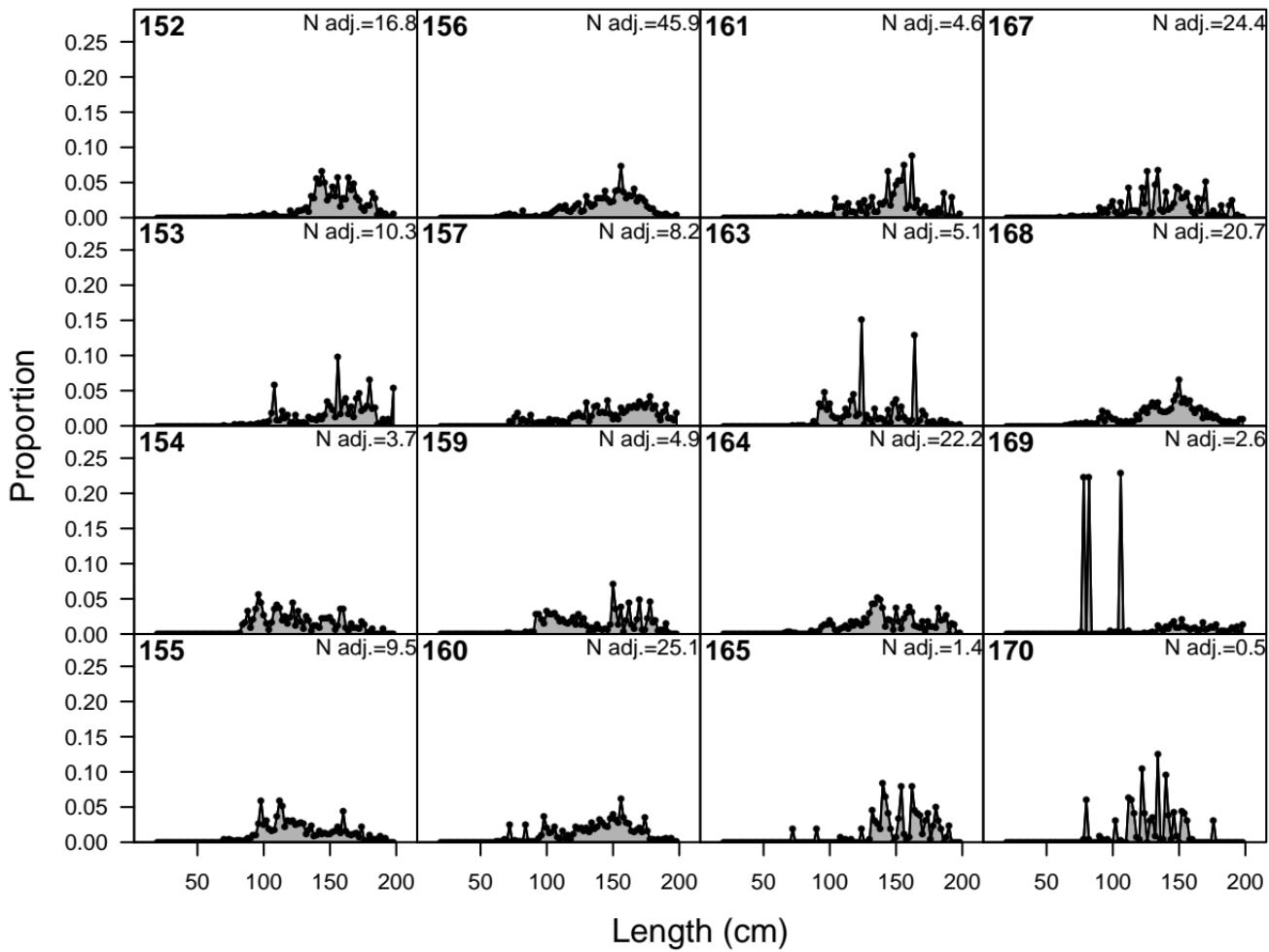
Proportion

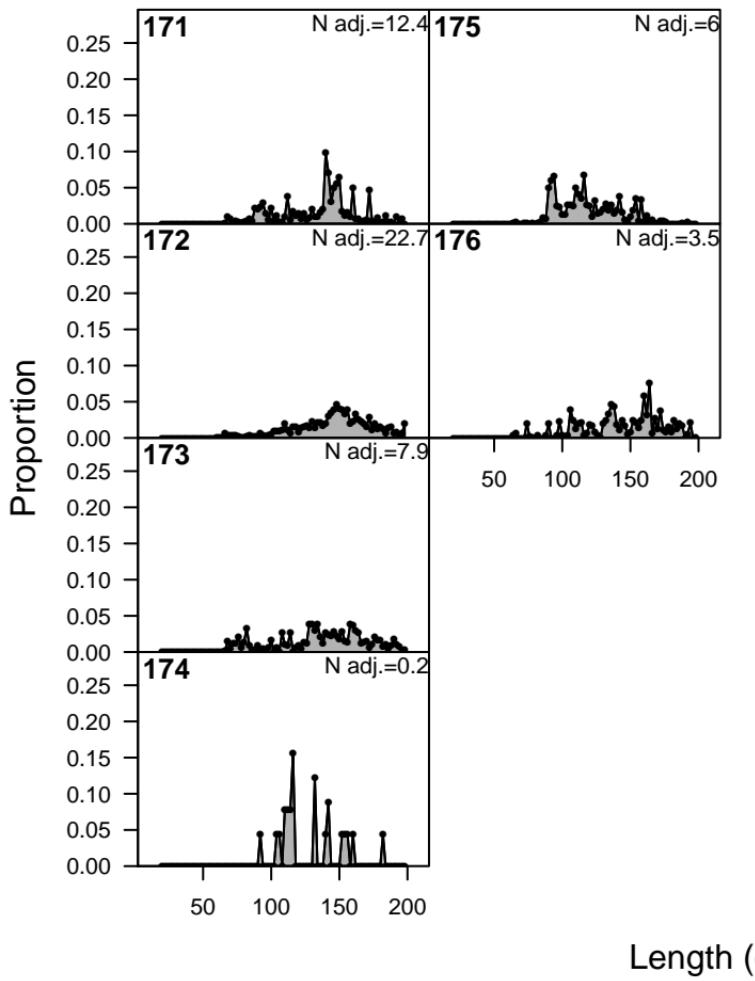


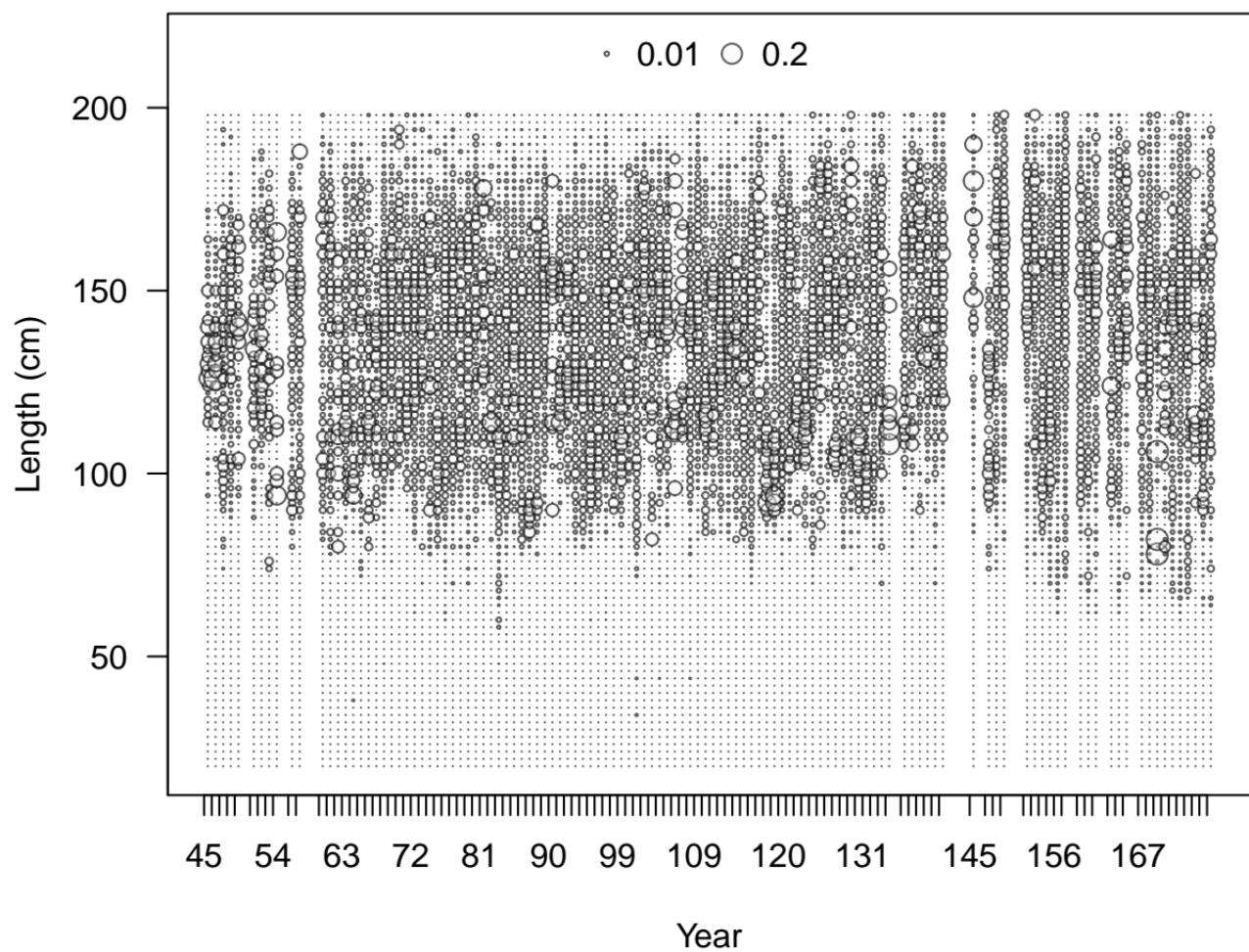
Proportion



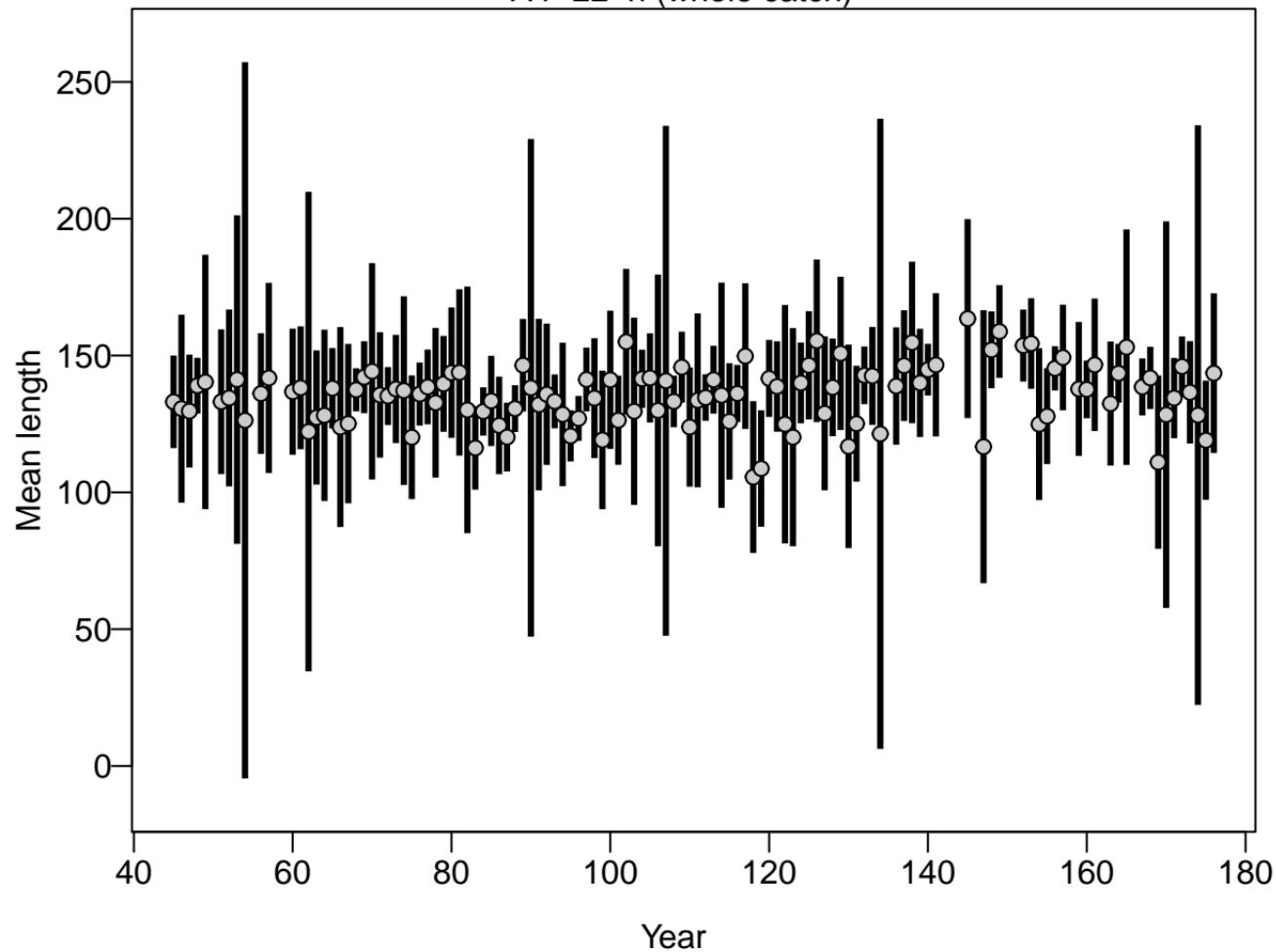




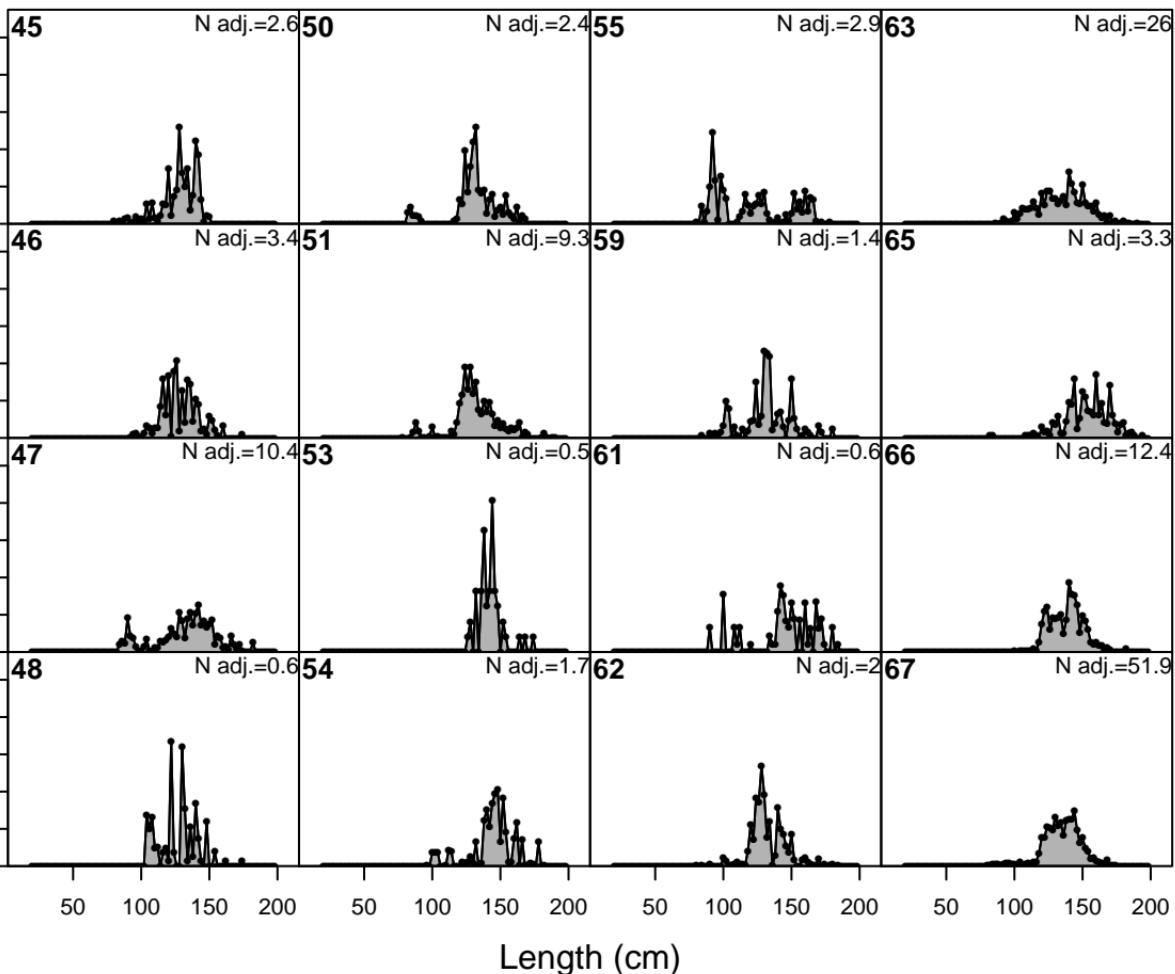




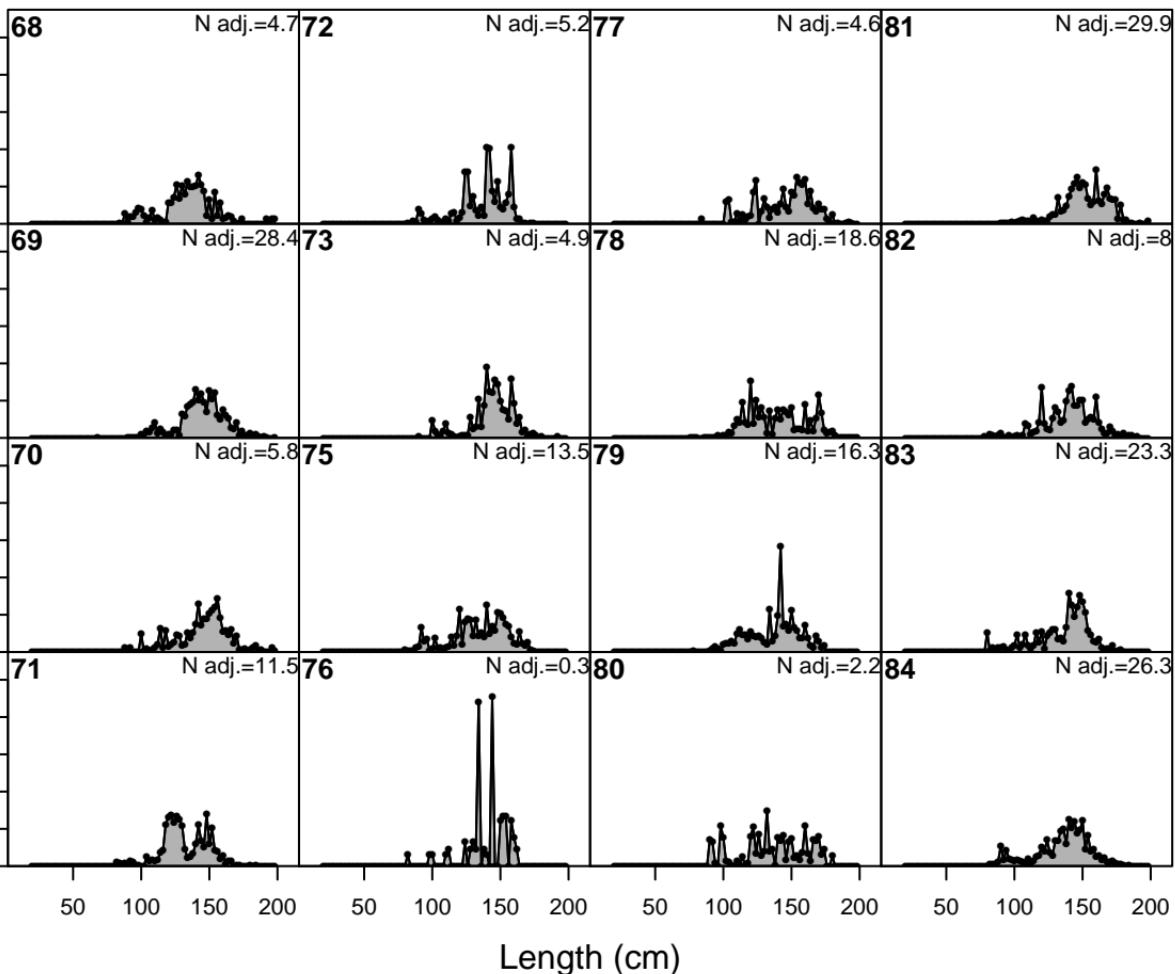
A4-LL-n (whole catch)



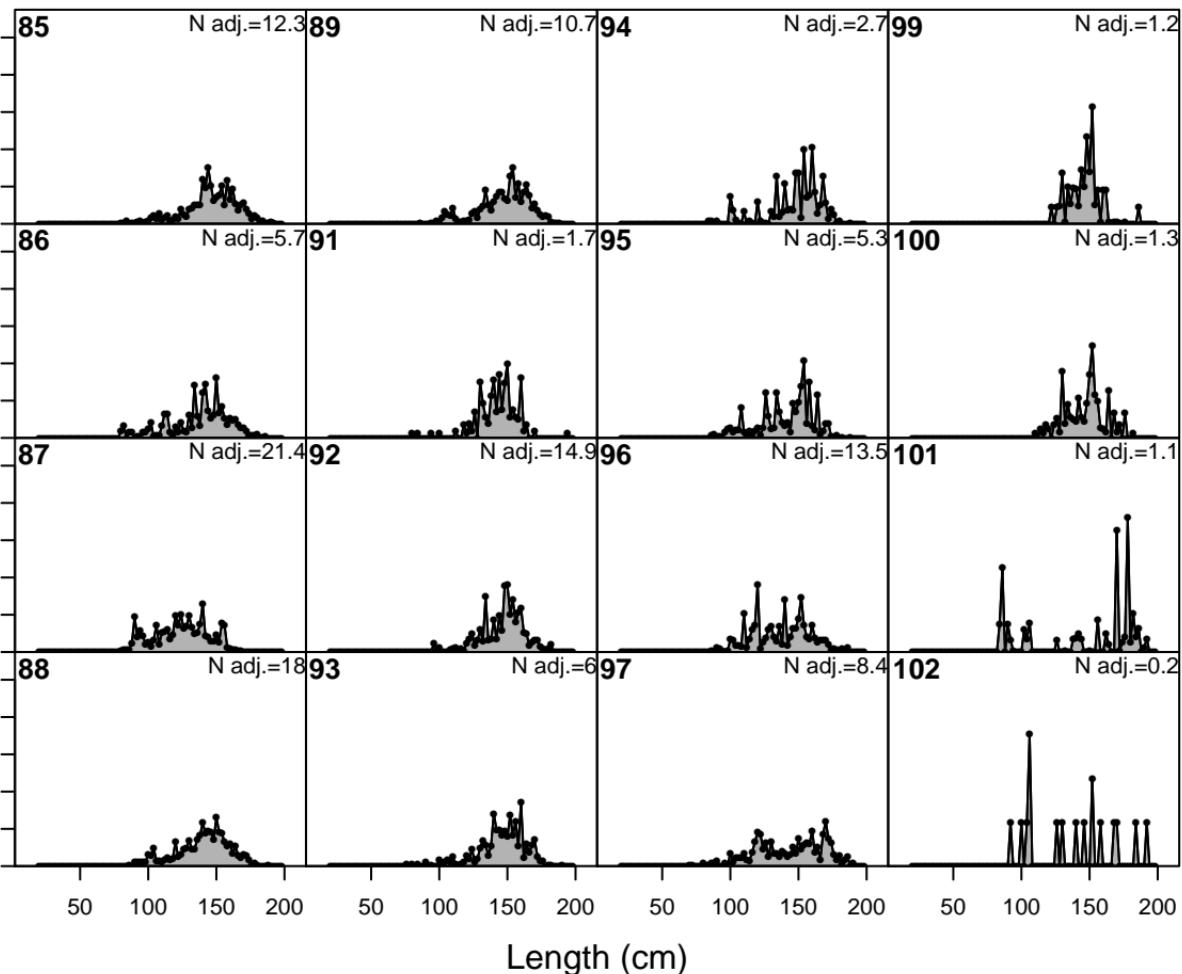
Proportion



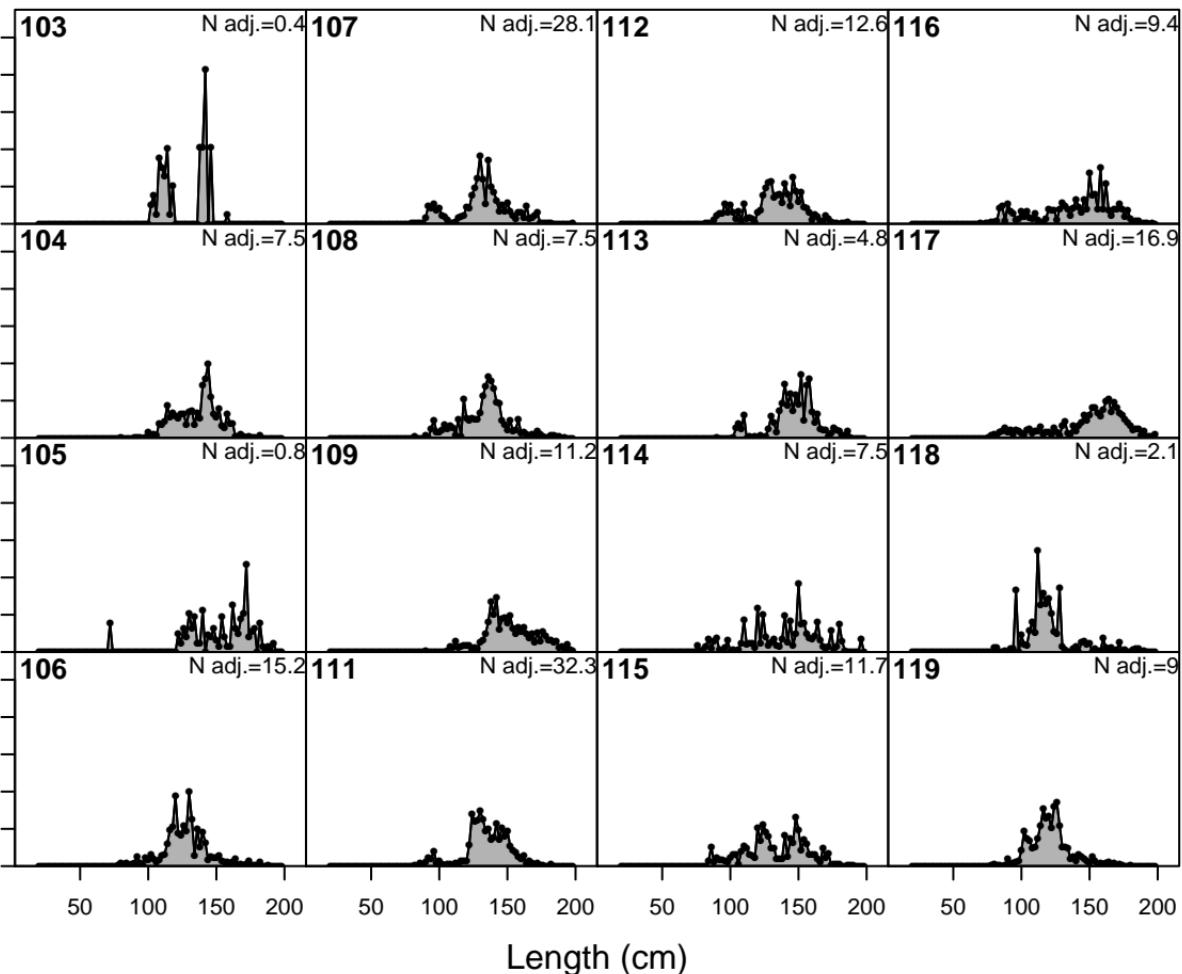
Proportion

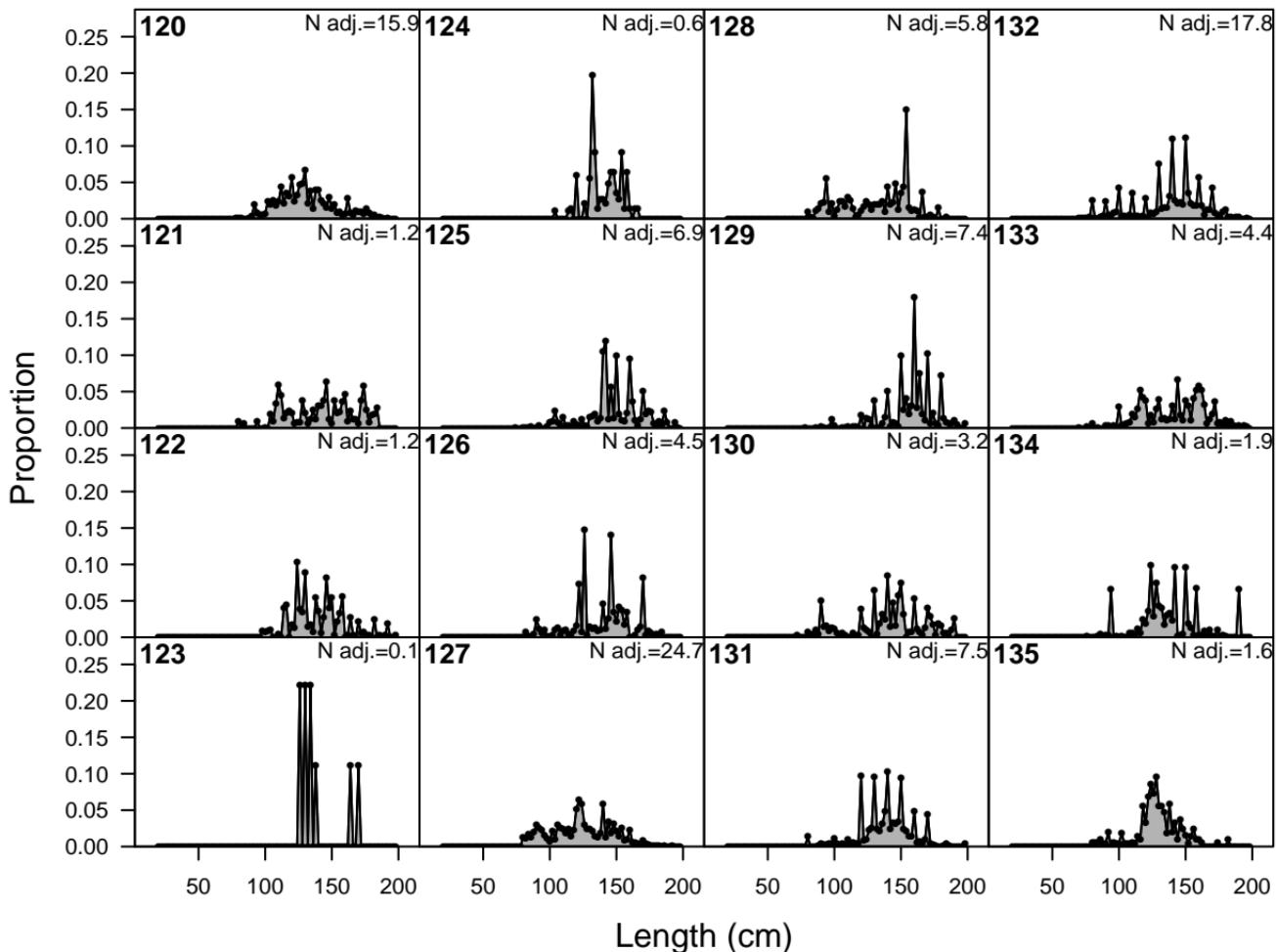


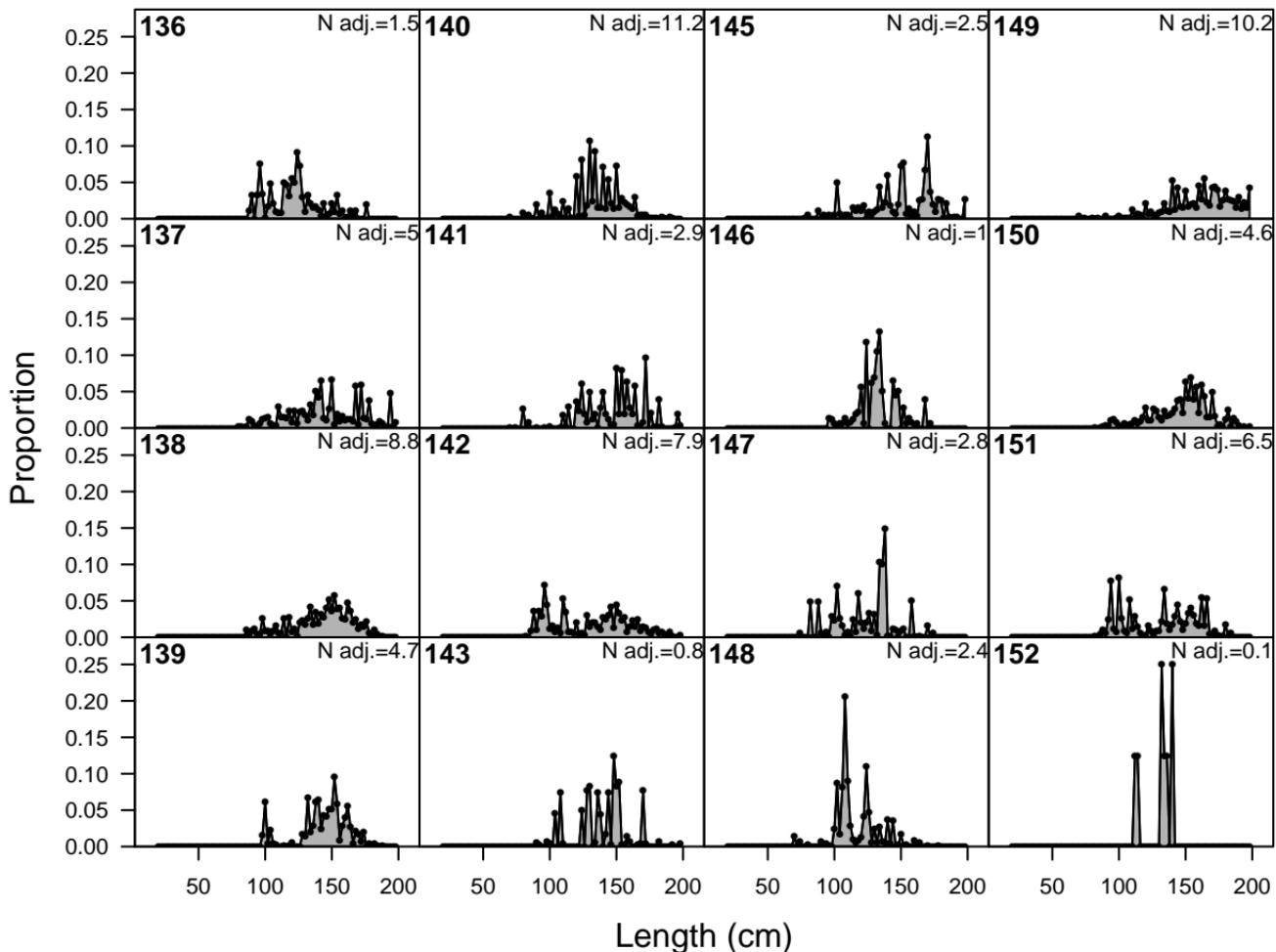
Proportion

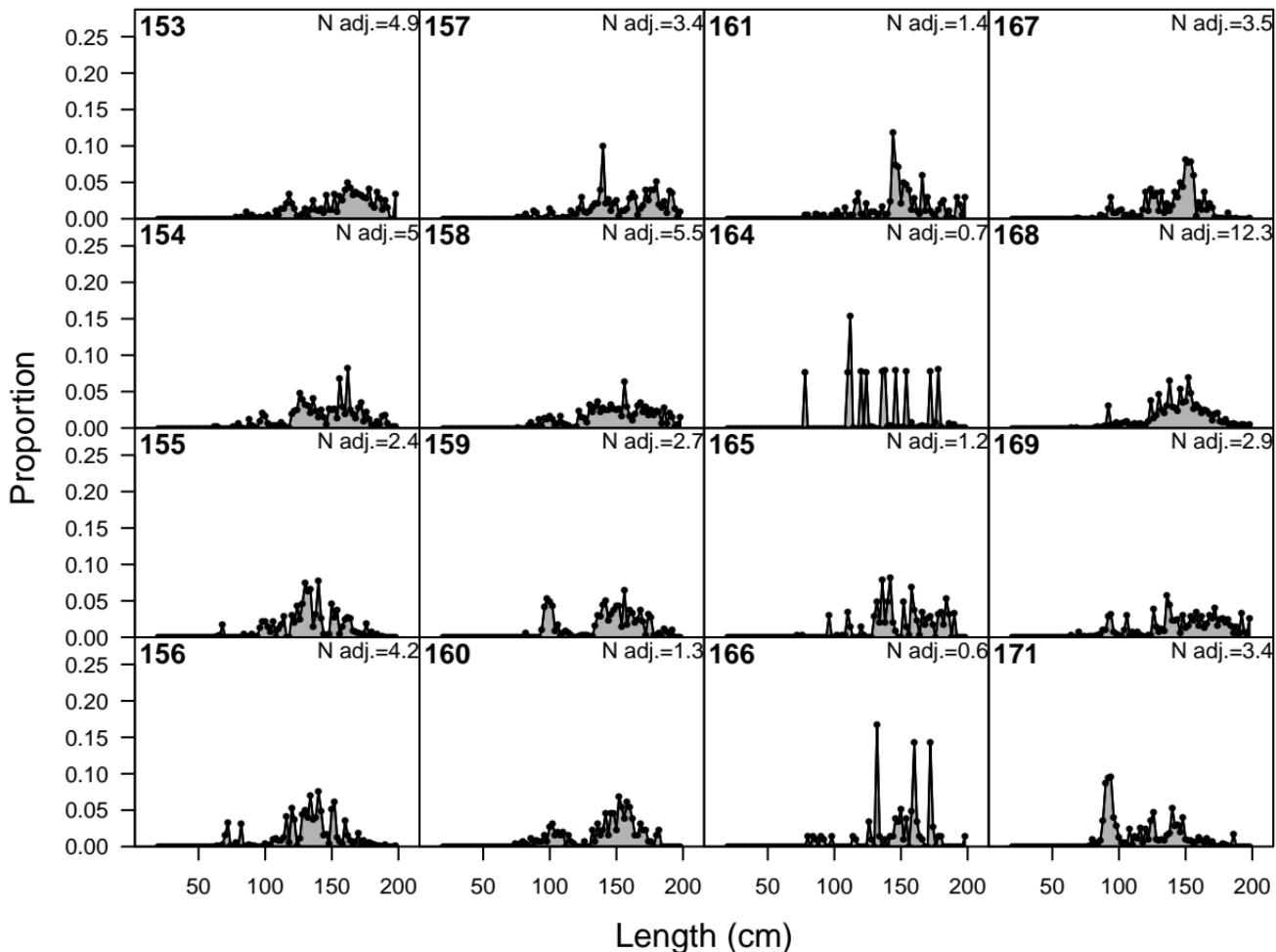


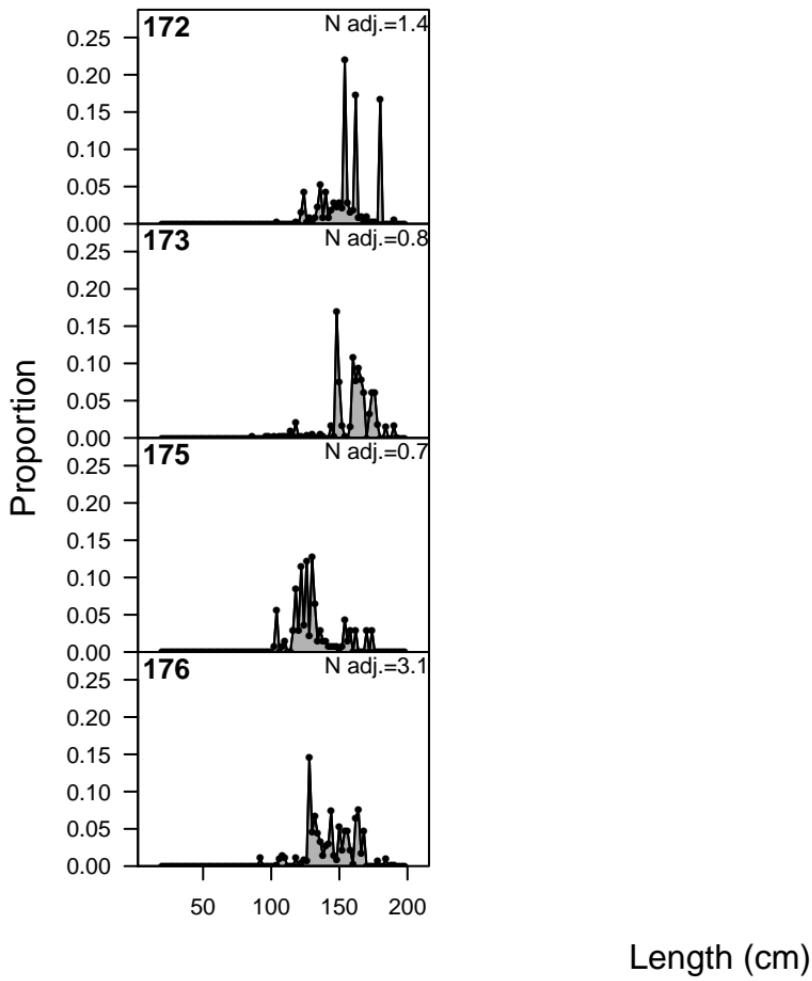
Proportion

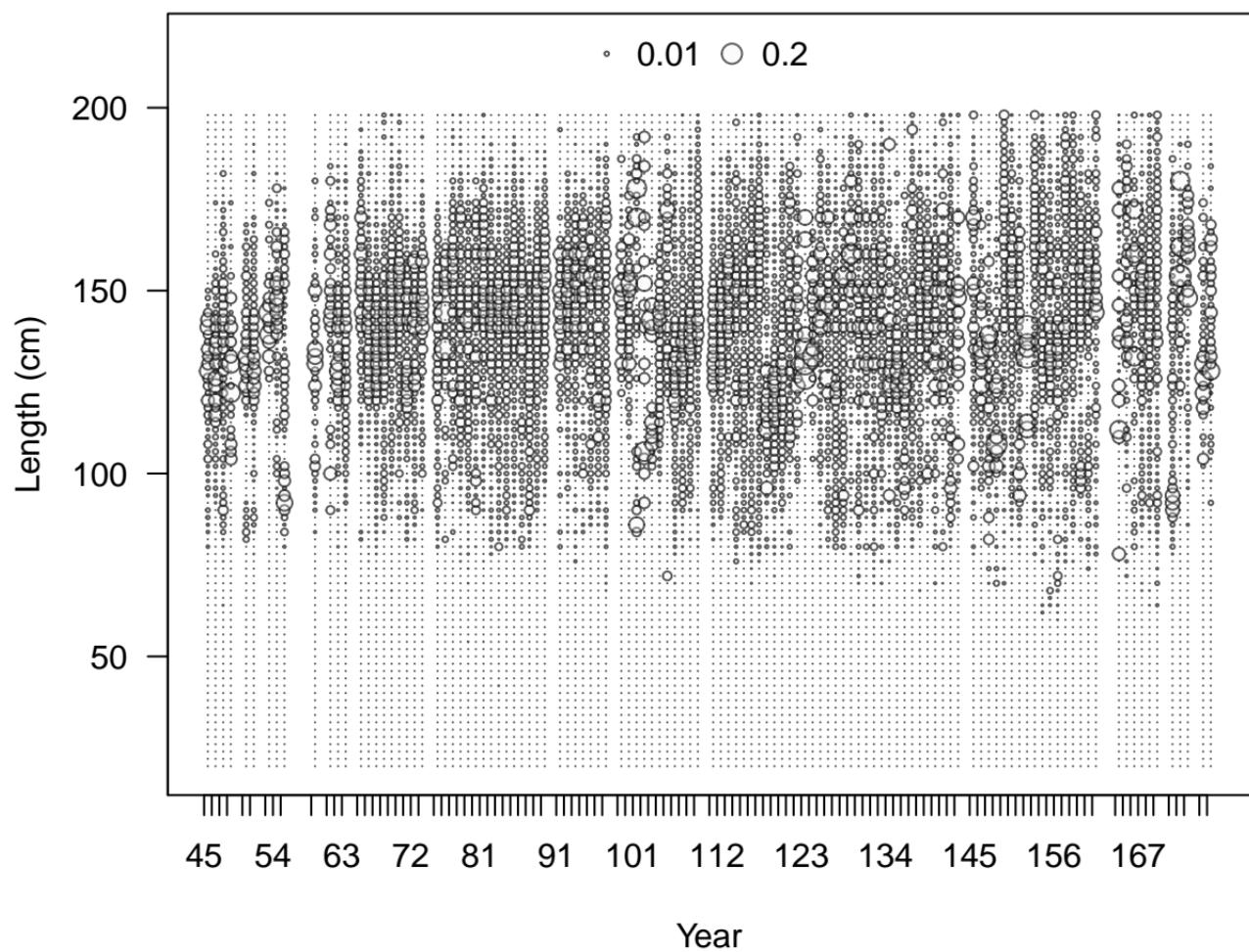




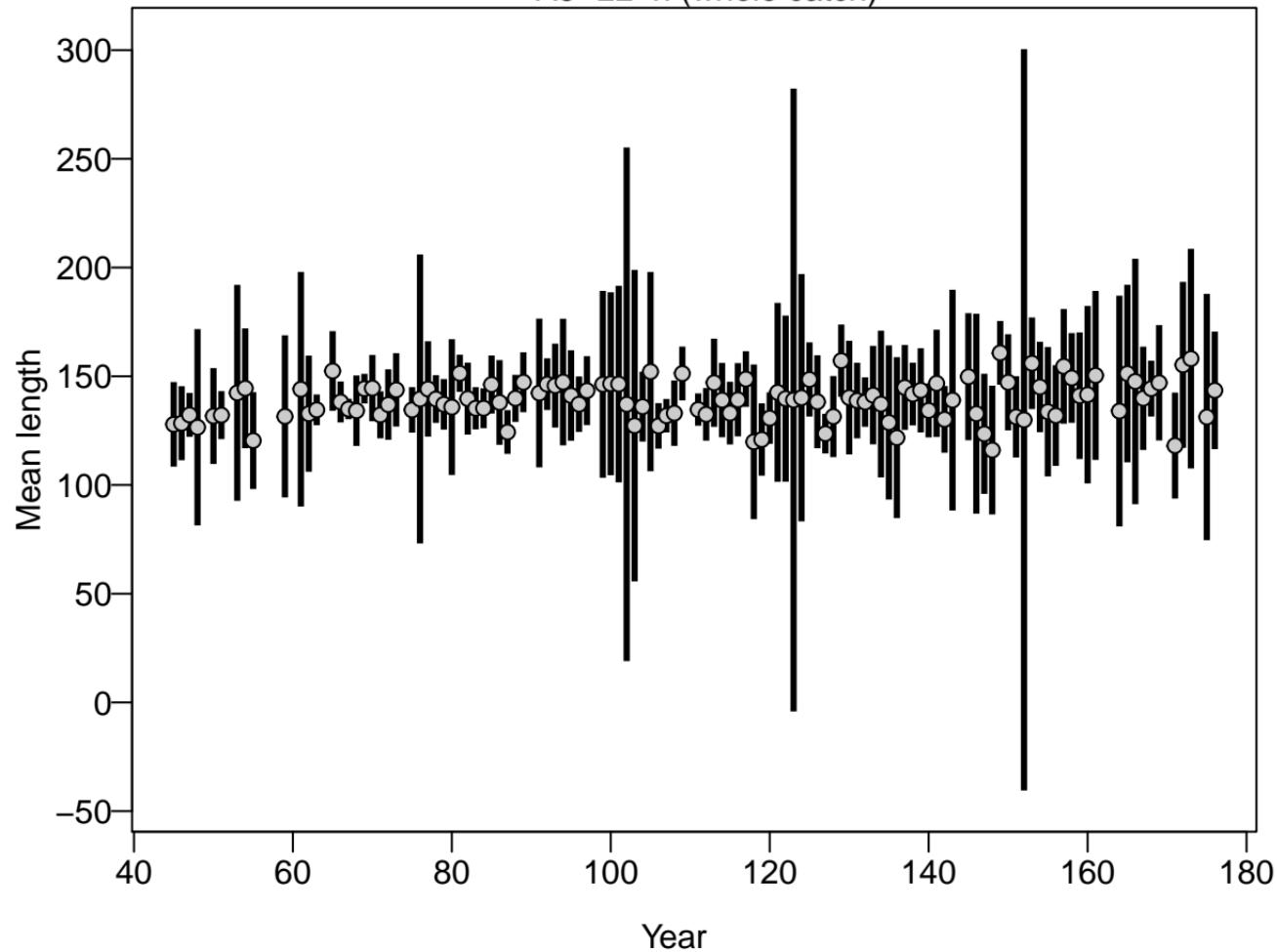




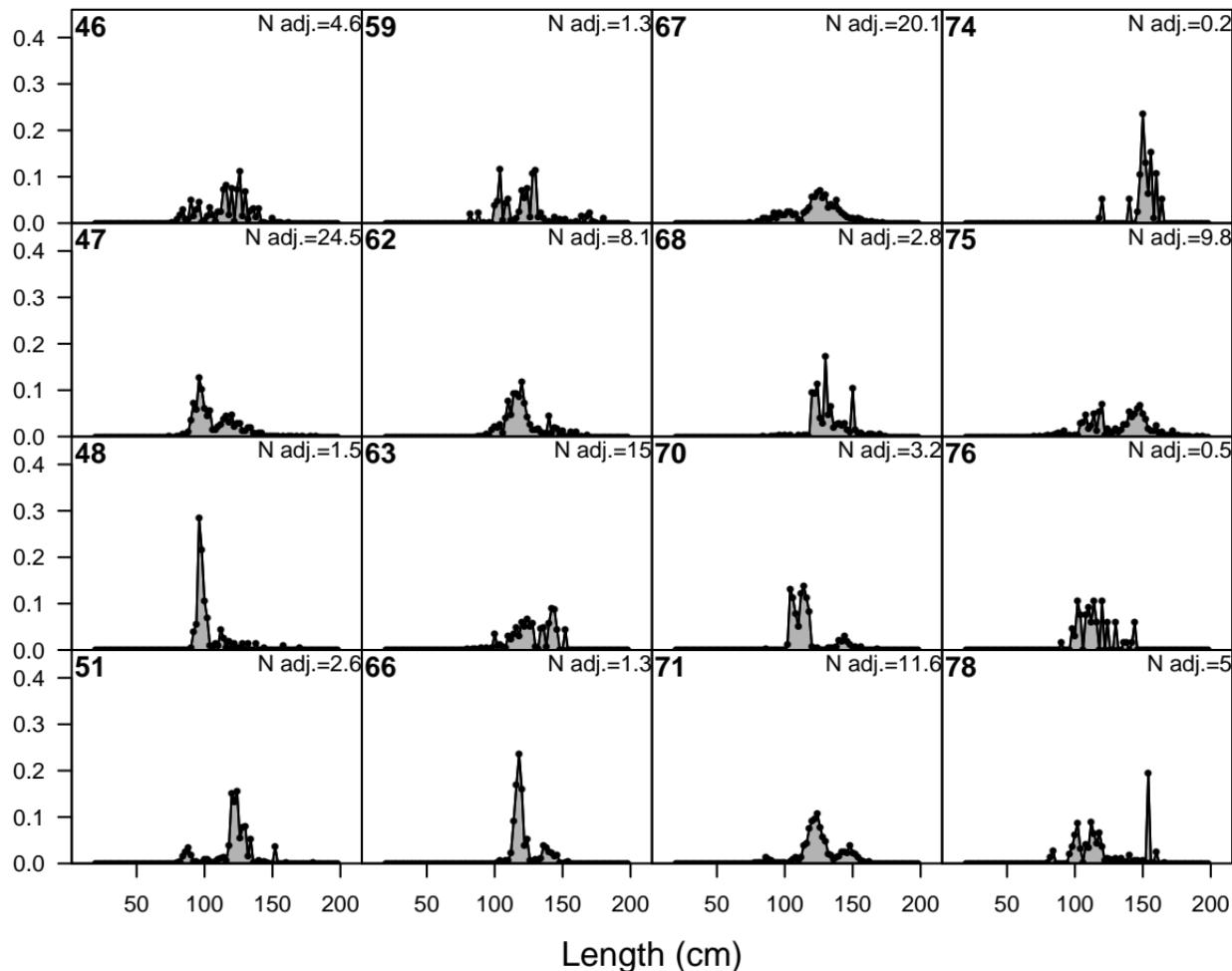




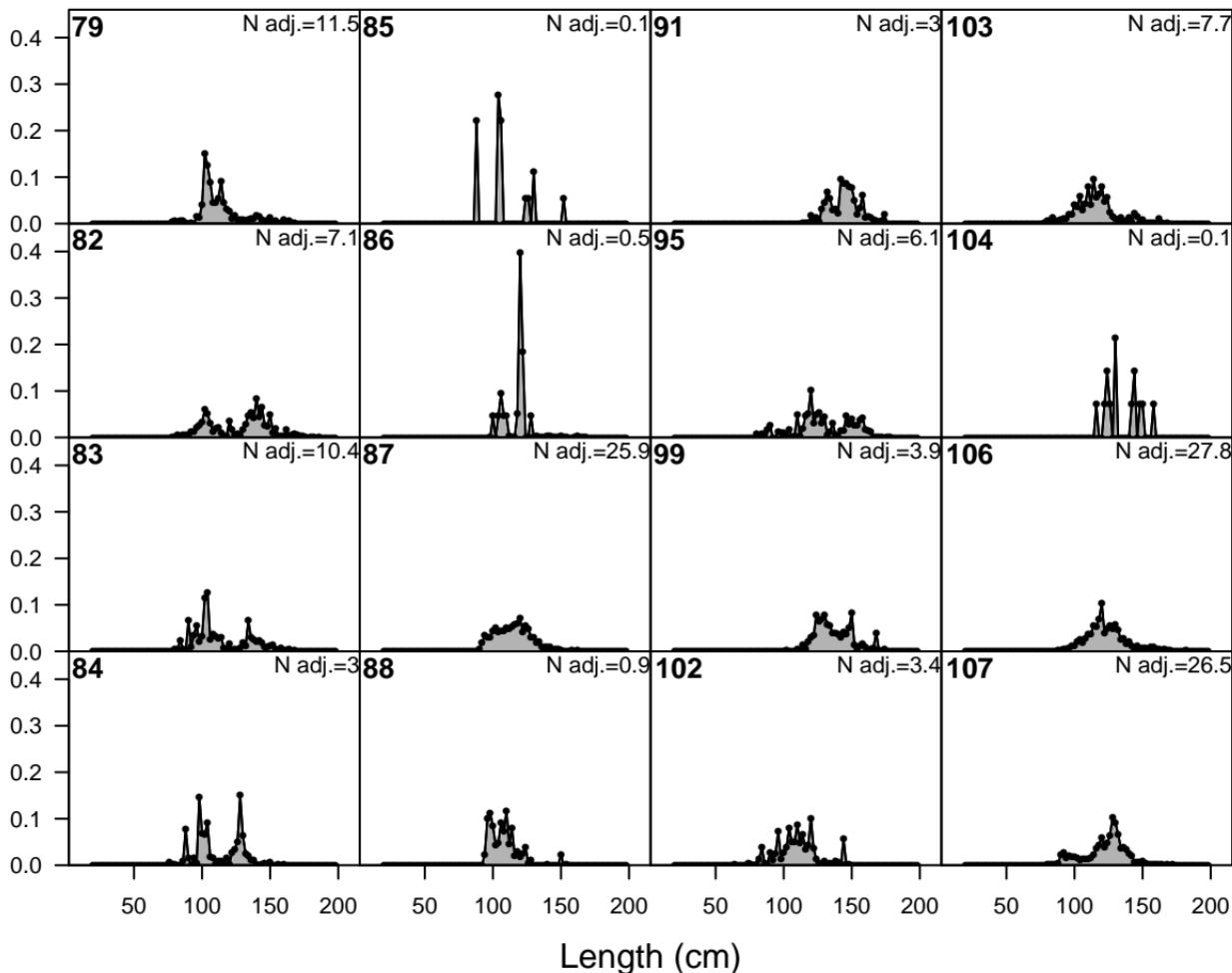
A5-LL-n (whole catch)



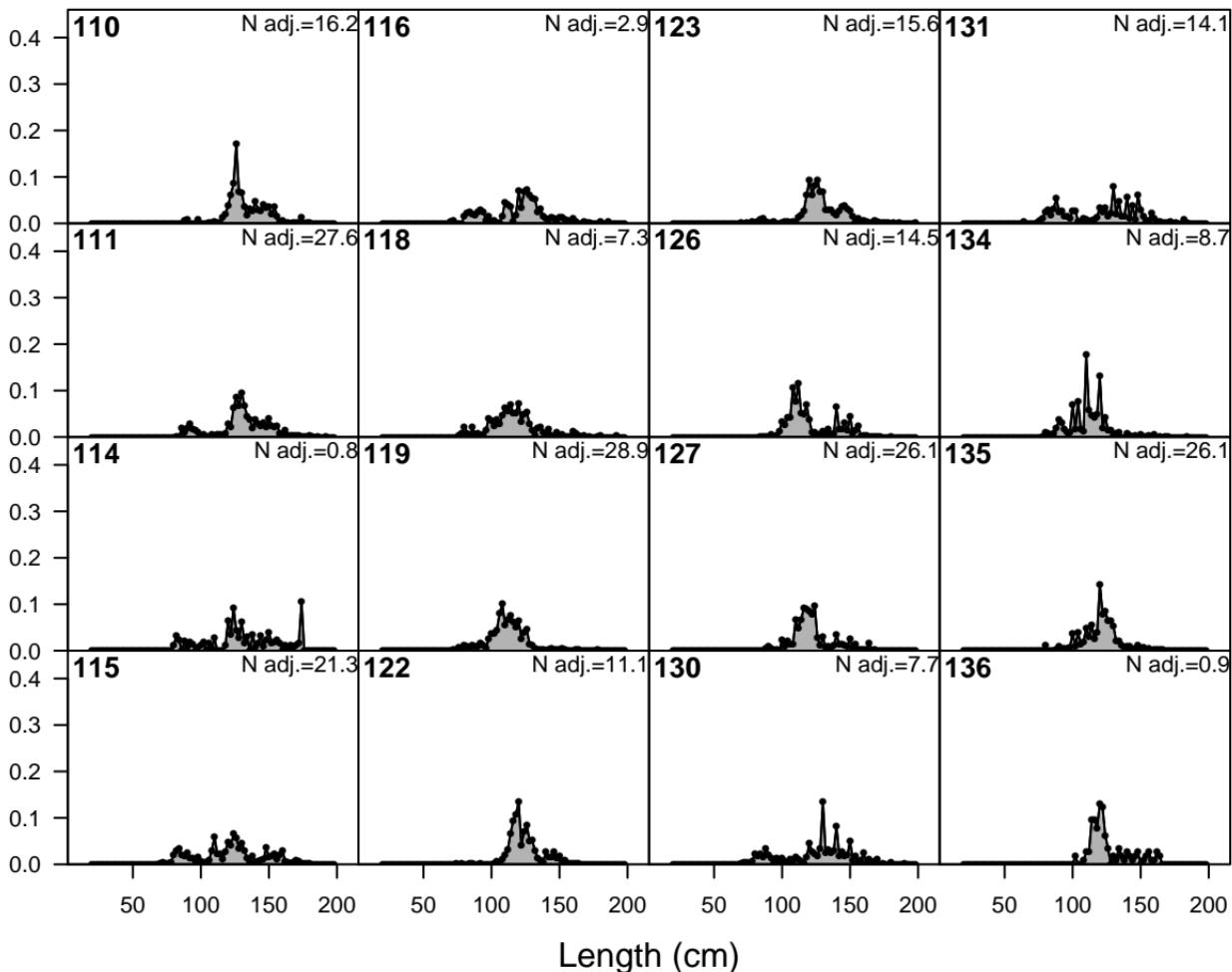
Proportion



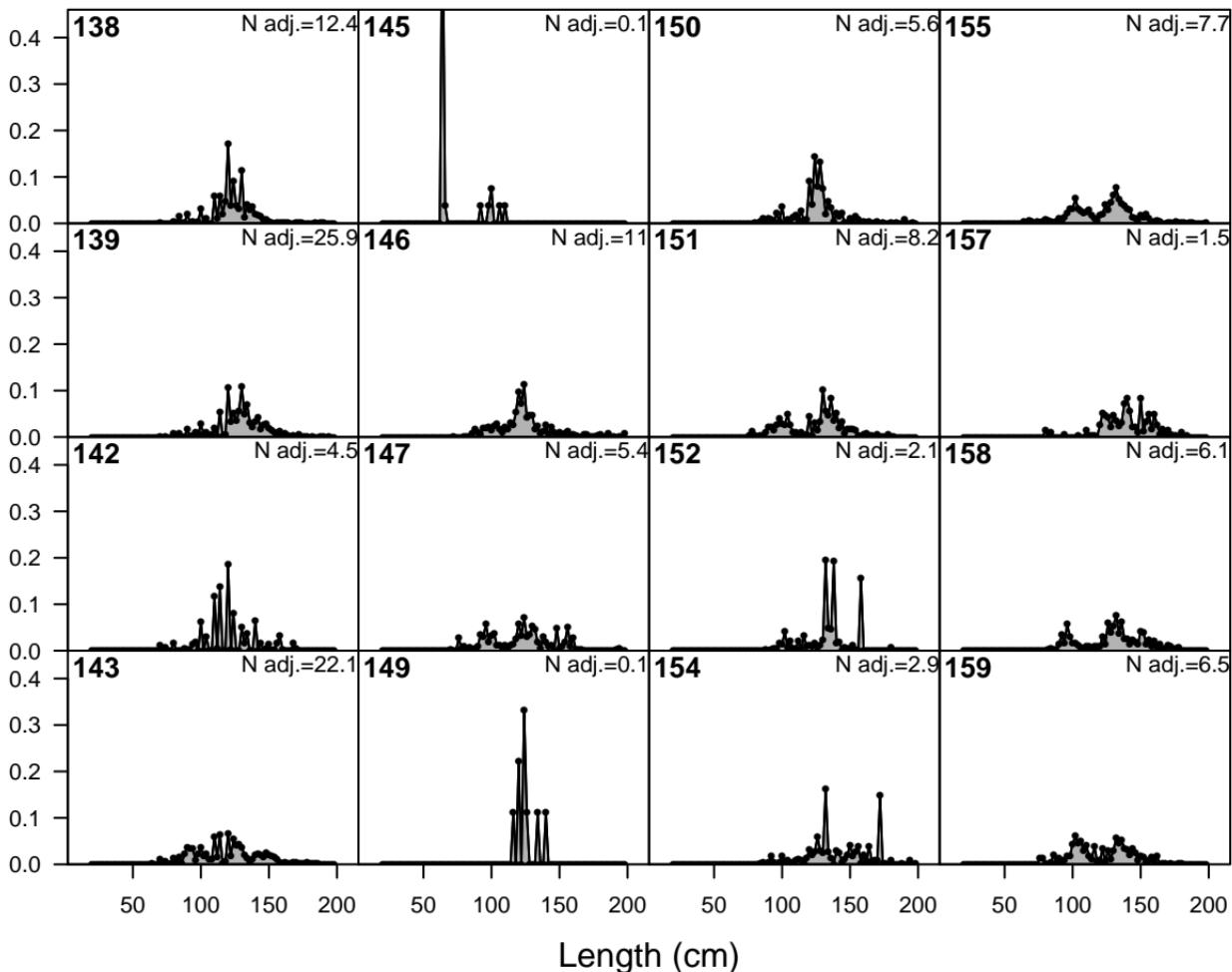
Proportion

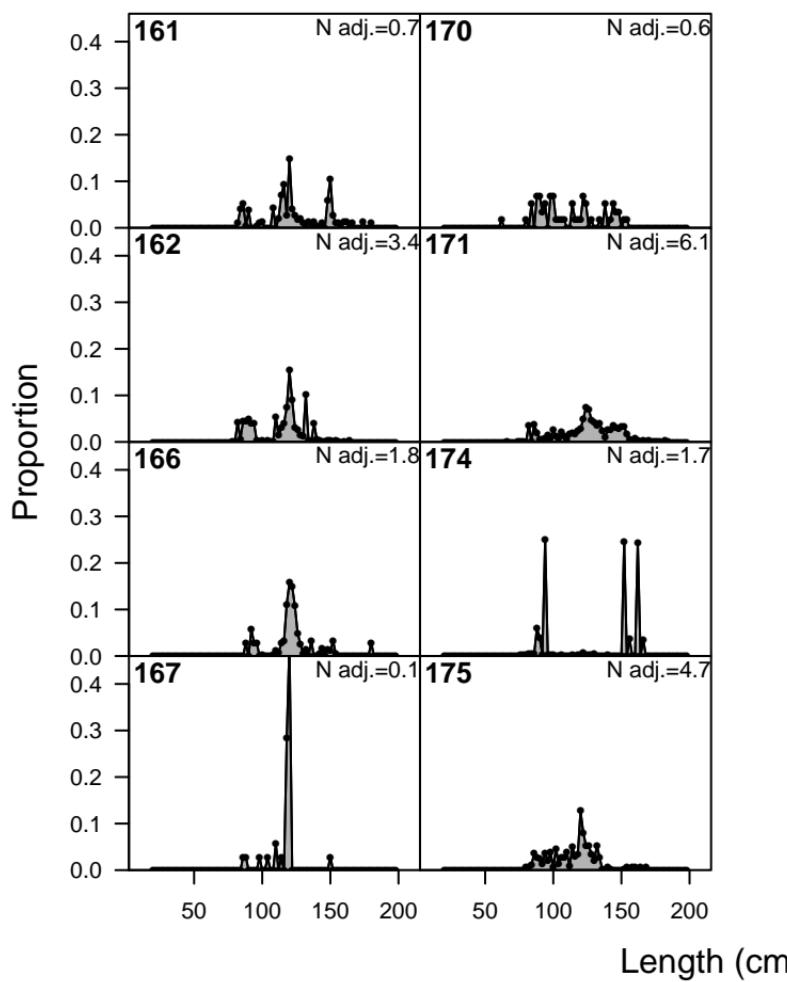


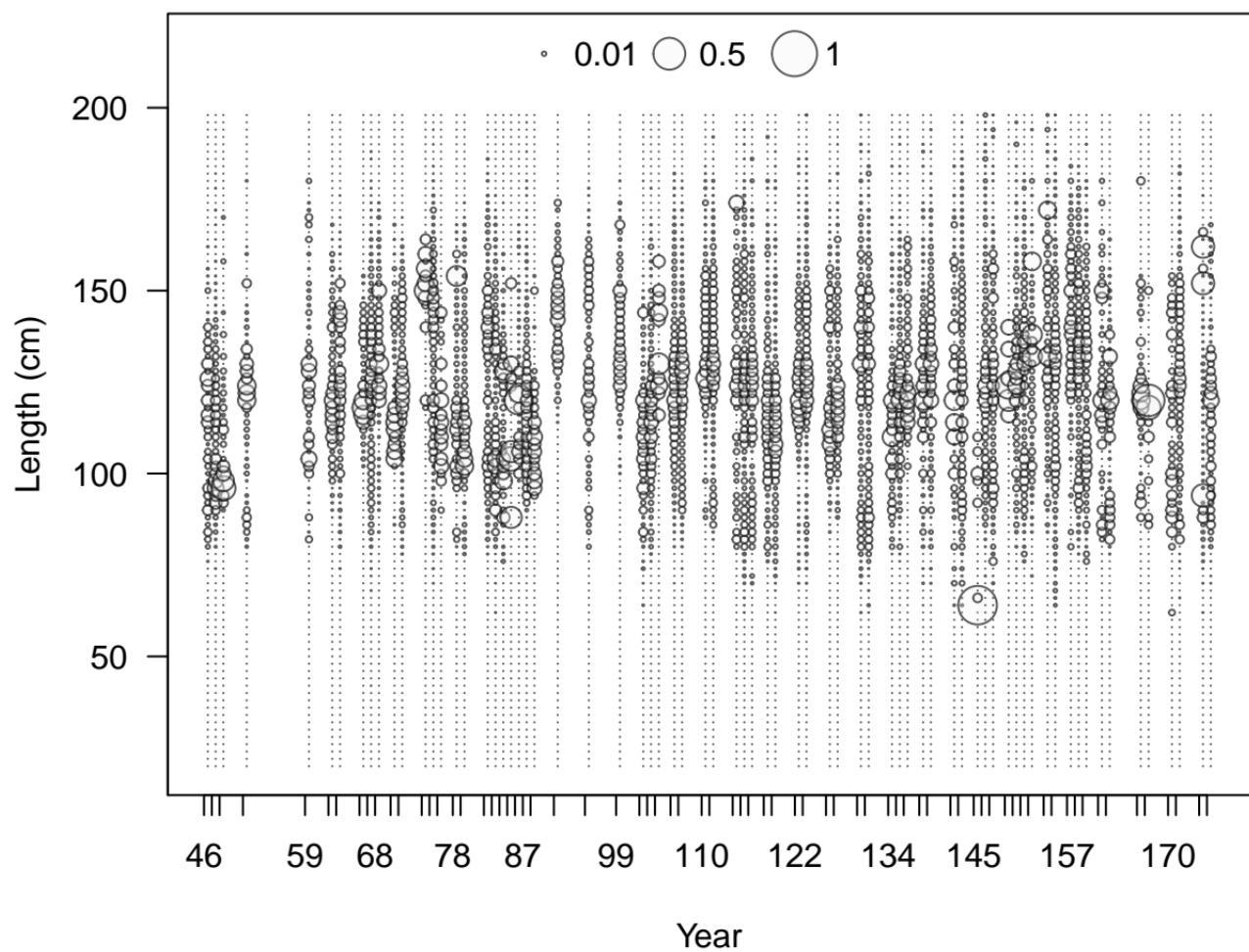
Proportion



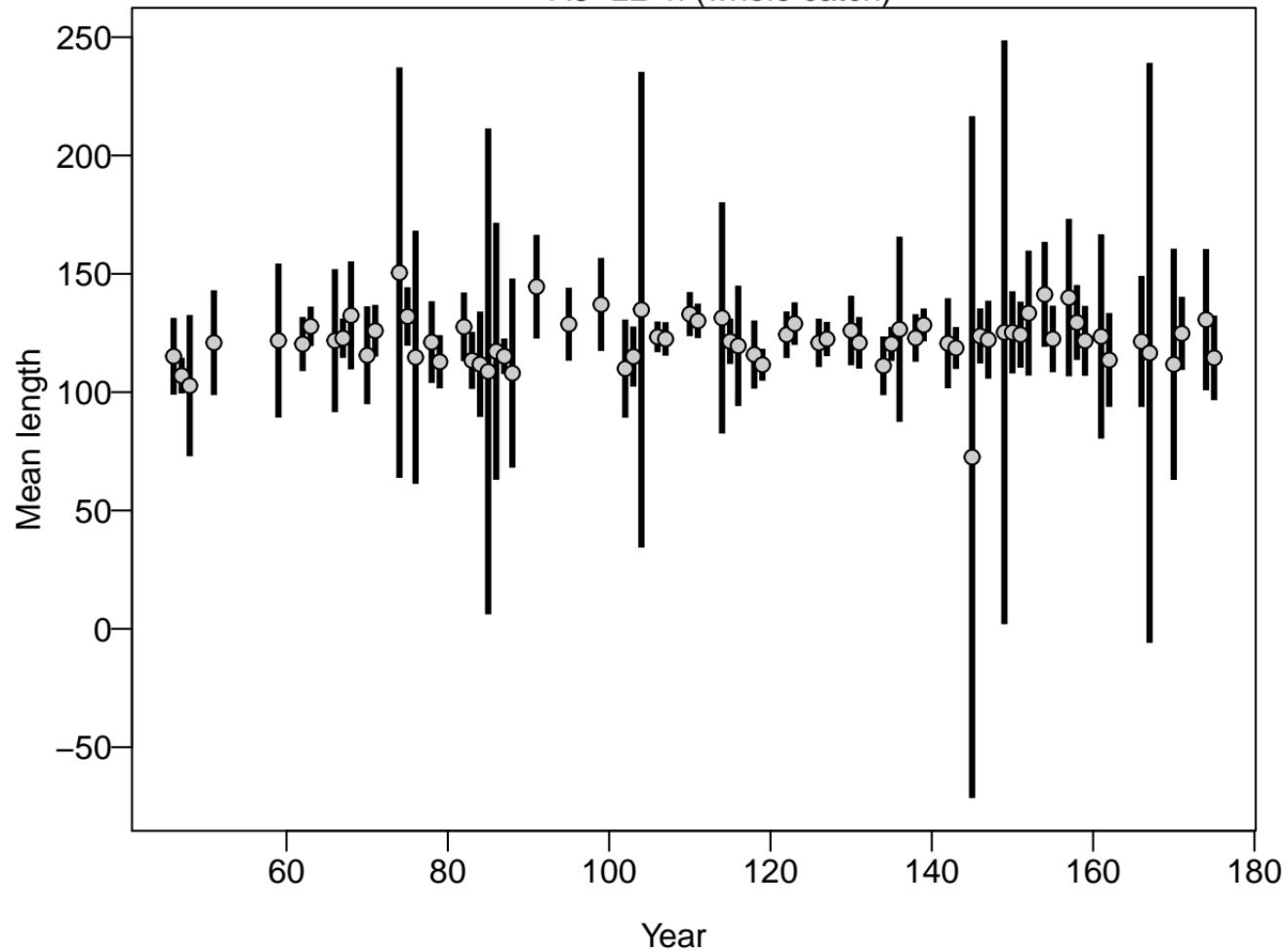
Proportion



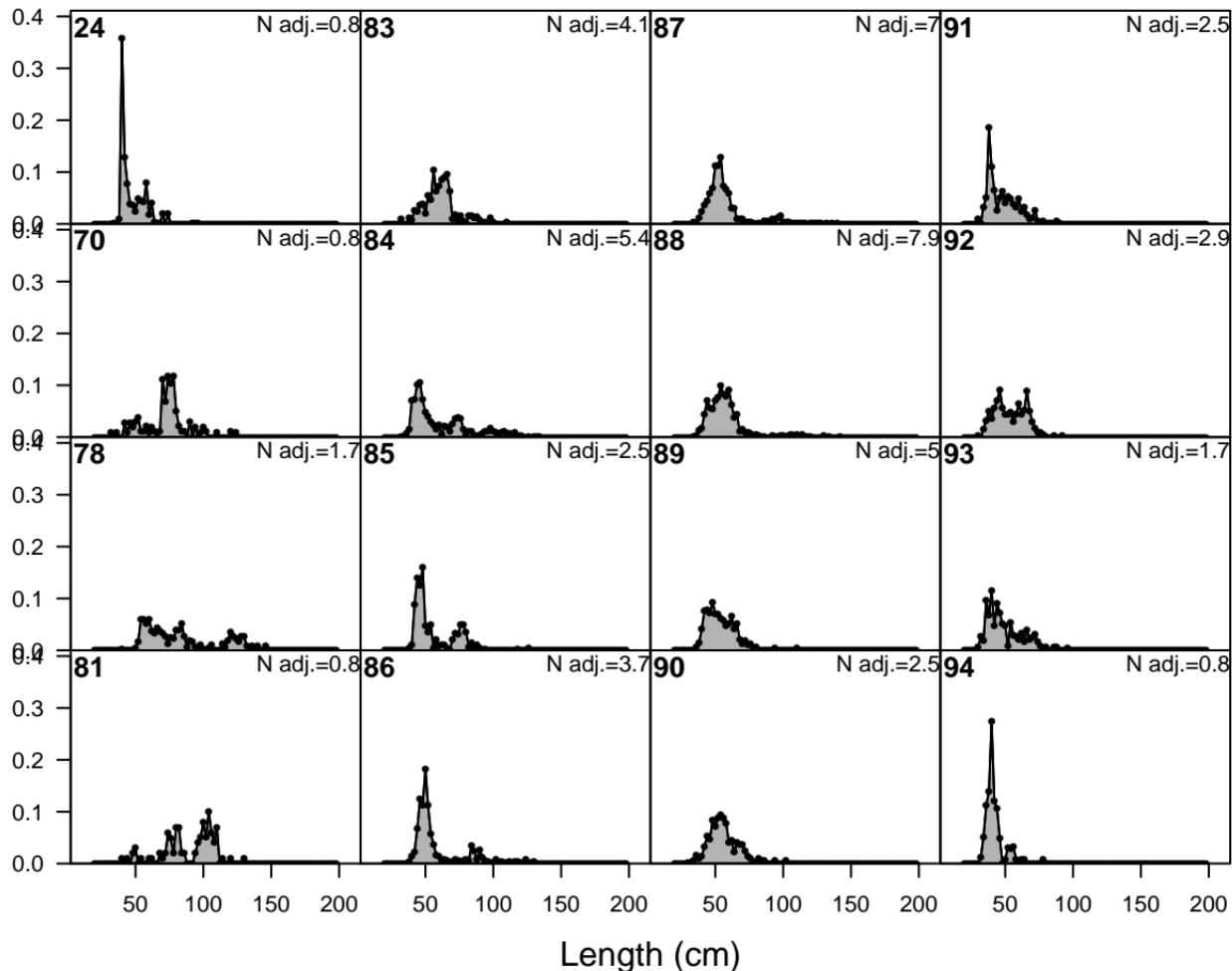




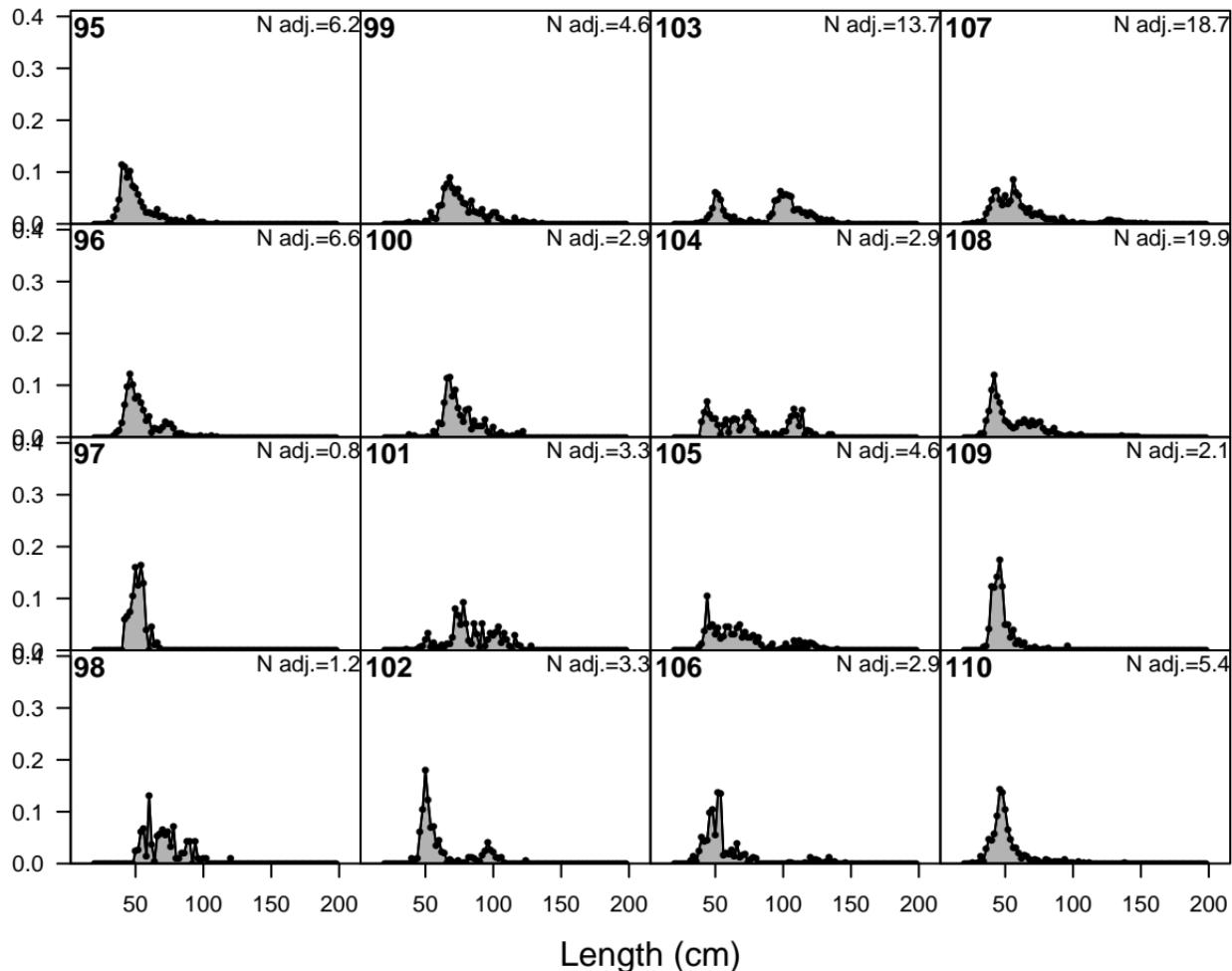
A6-LL-n (whole catch)



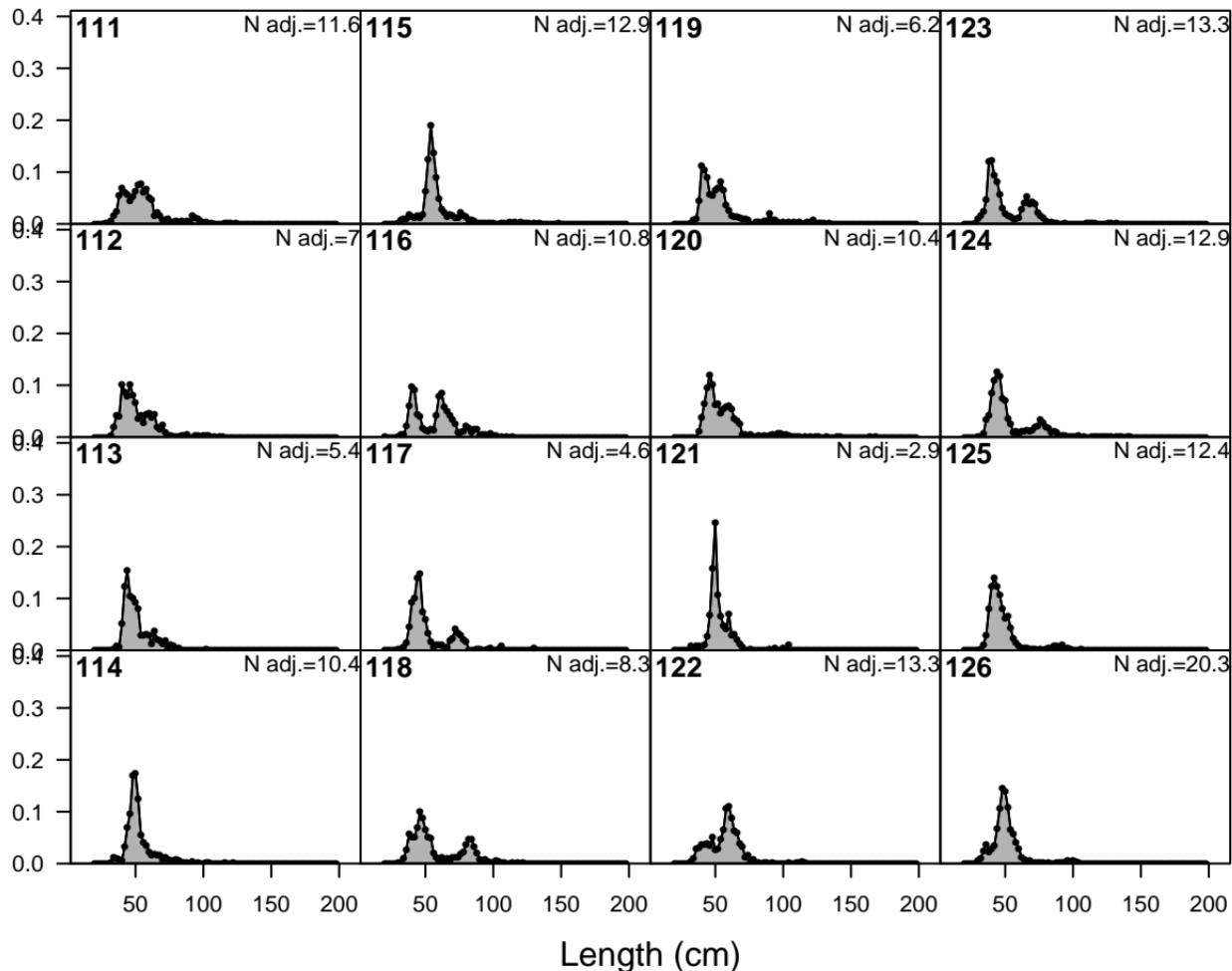
Proportion



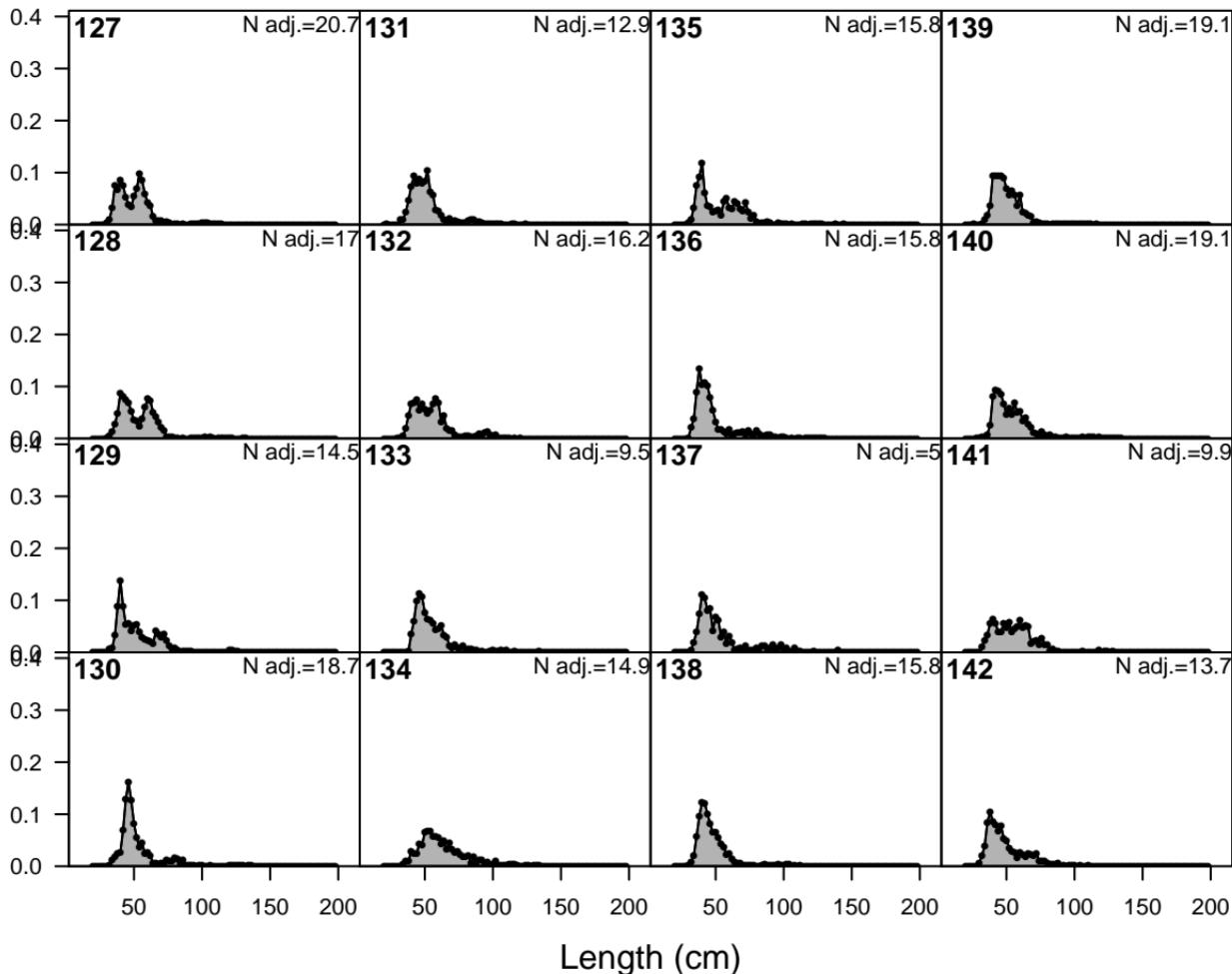
Proportion

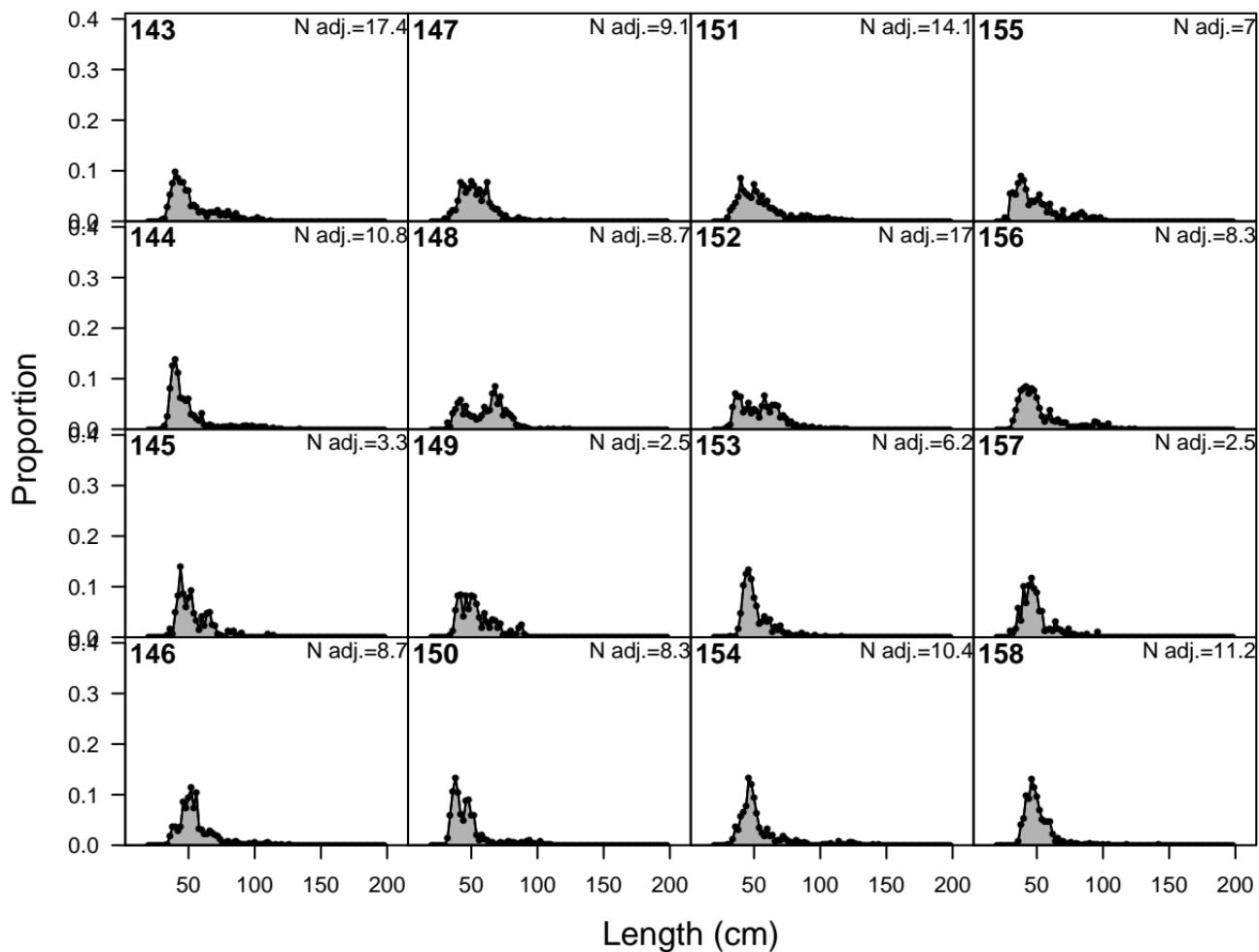


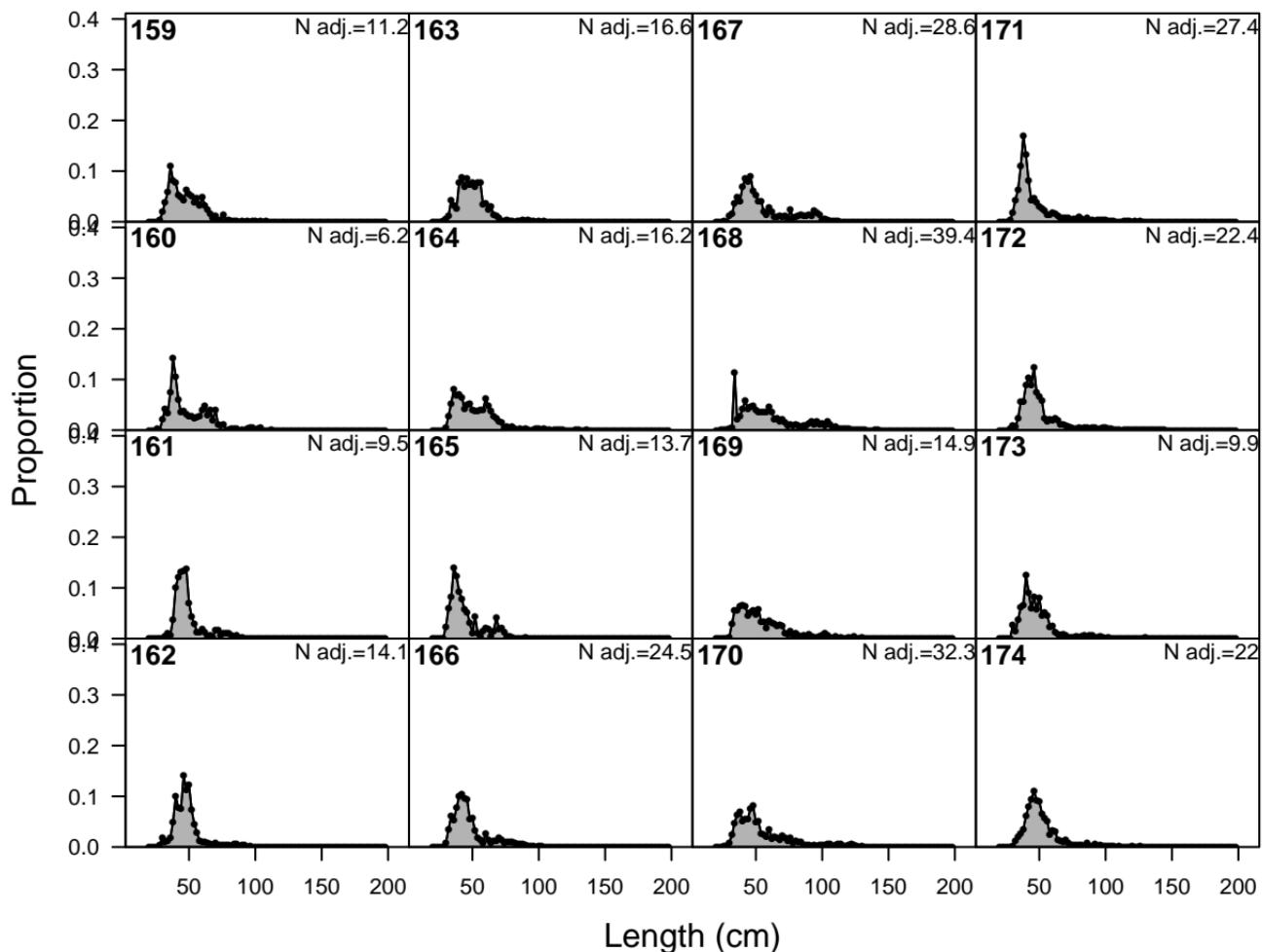
Proportion

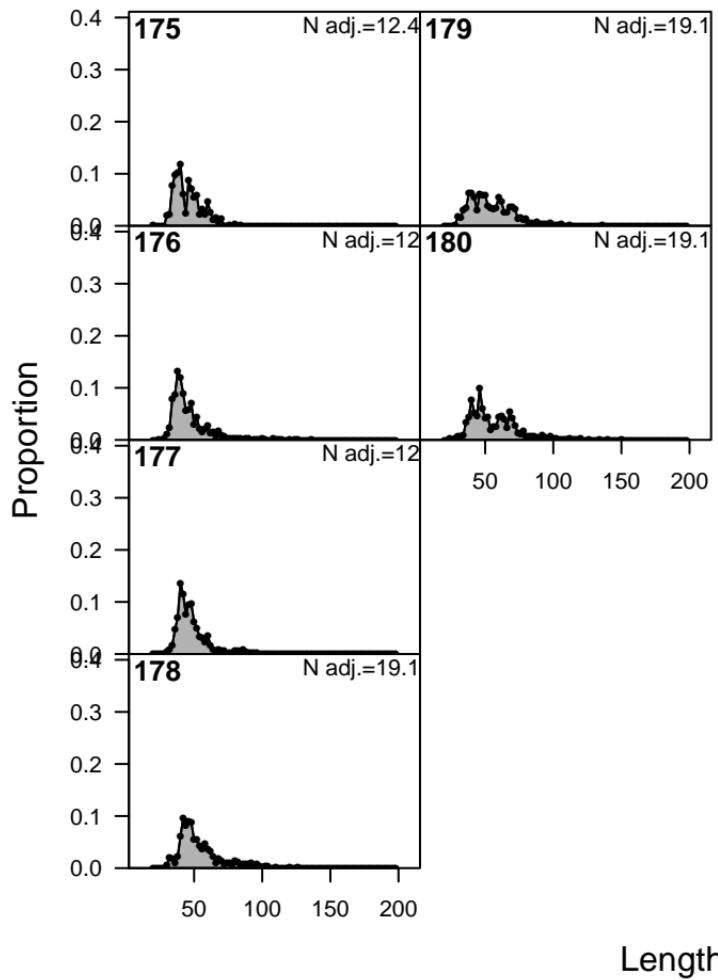


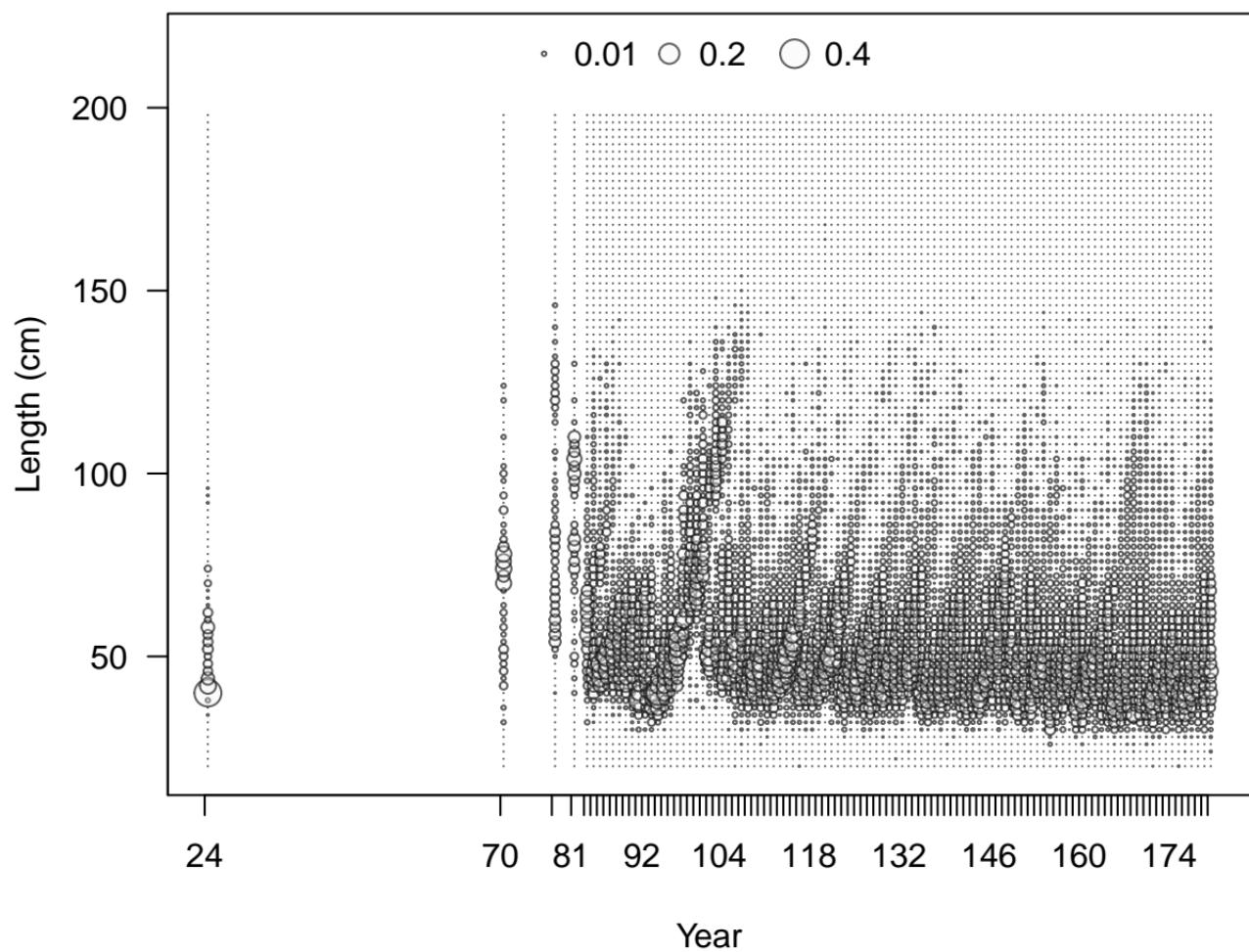
Proportion



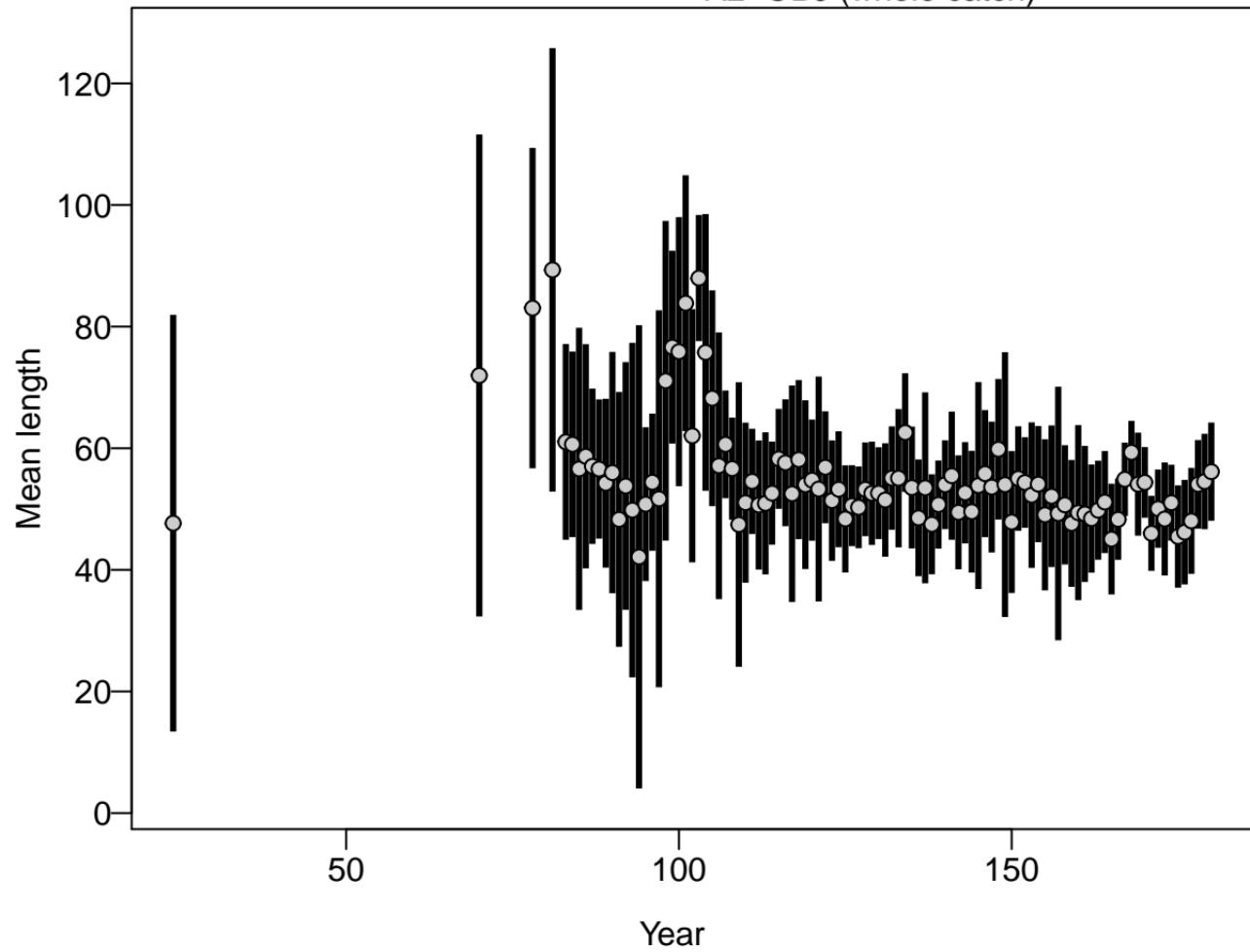




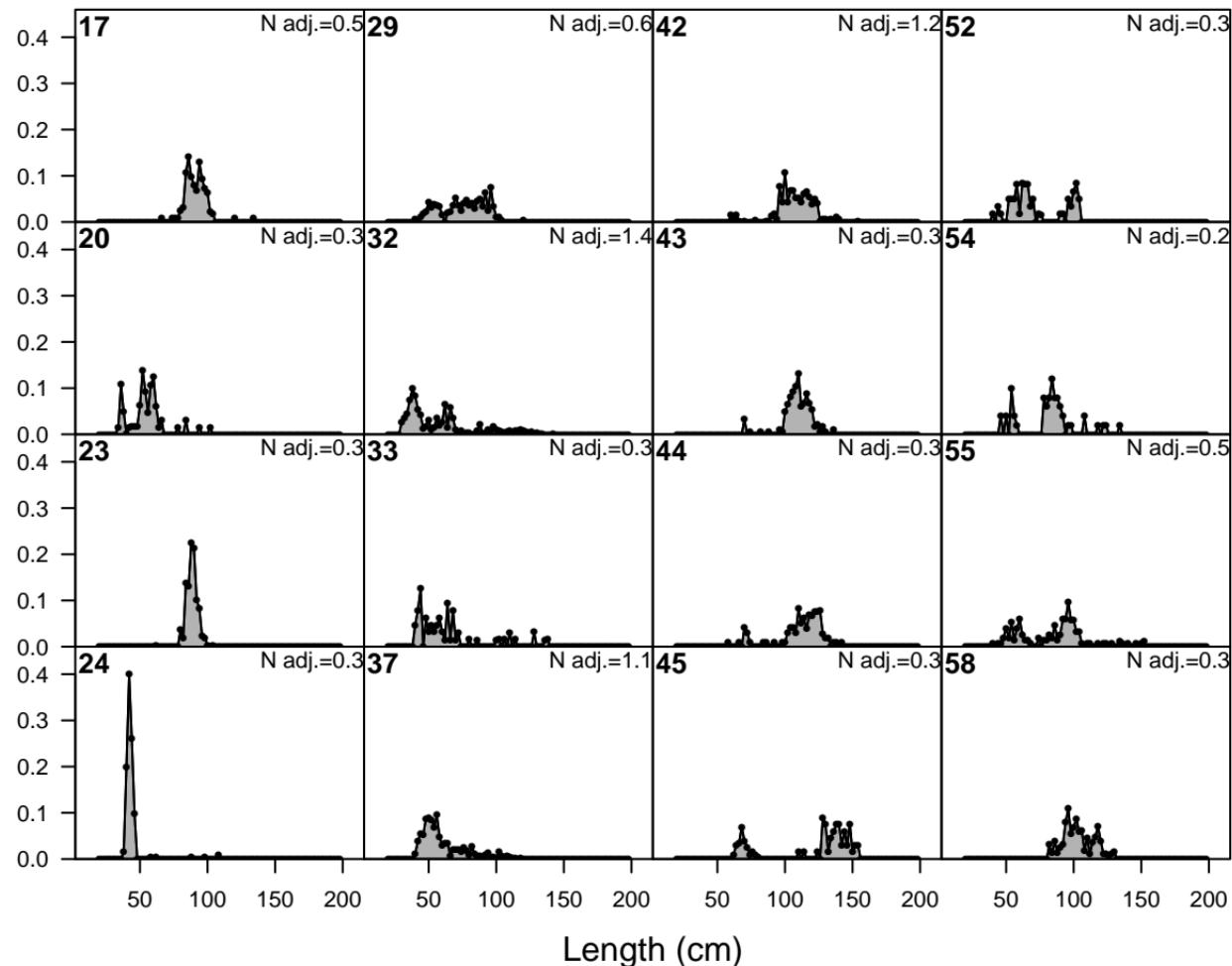




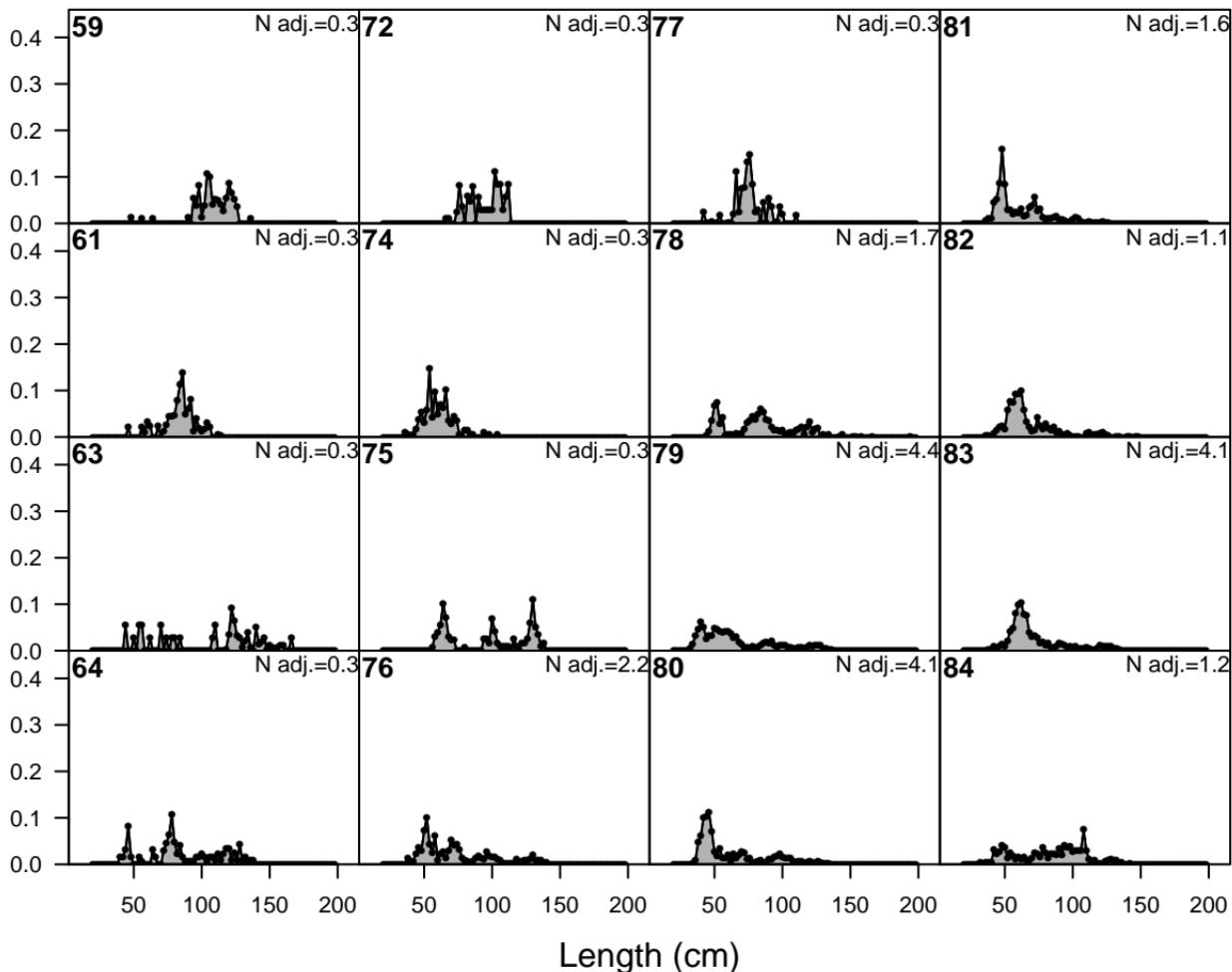
A2–OBJ (whole catch)



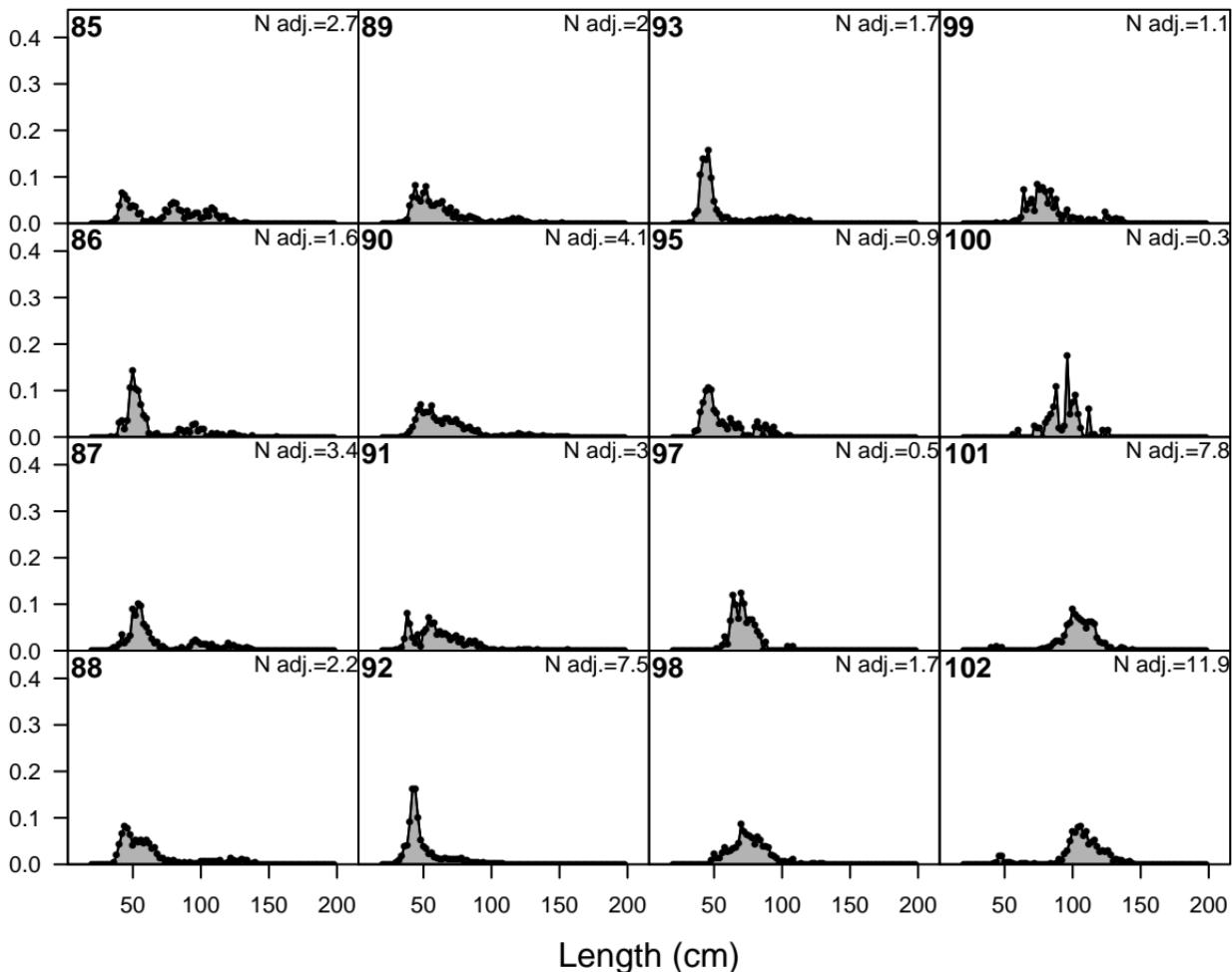
Proportion



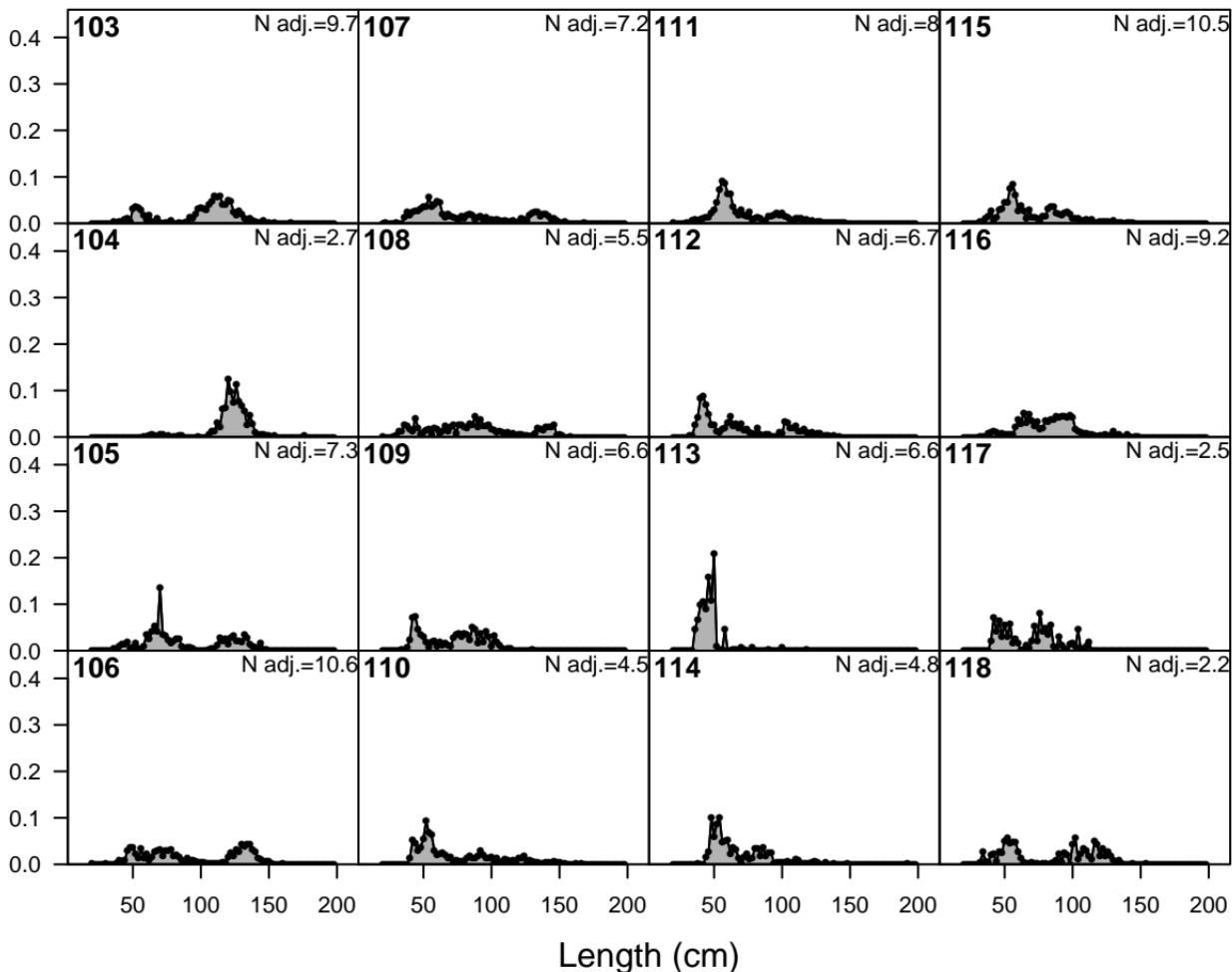
Proportion



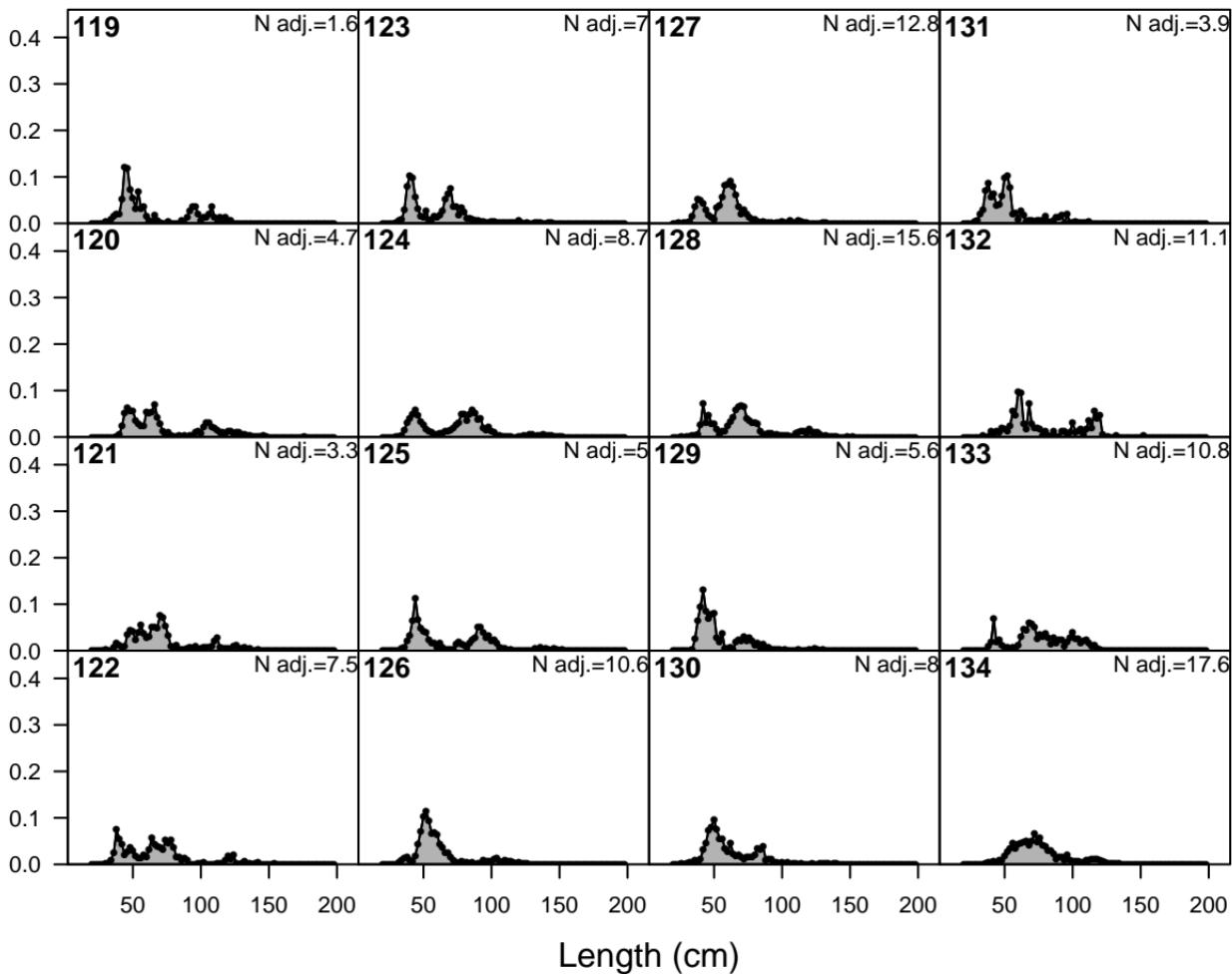
Proportion



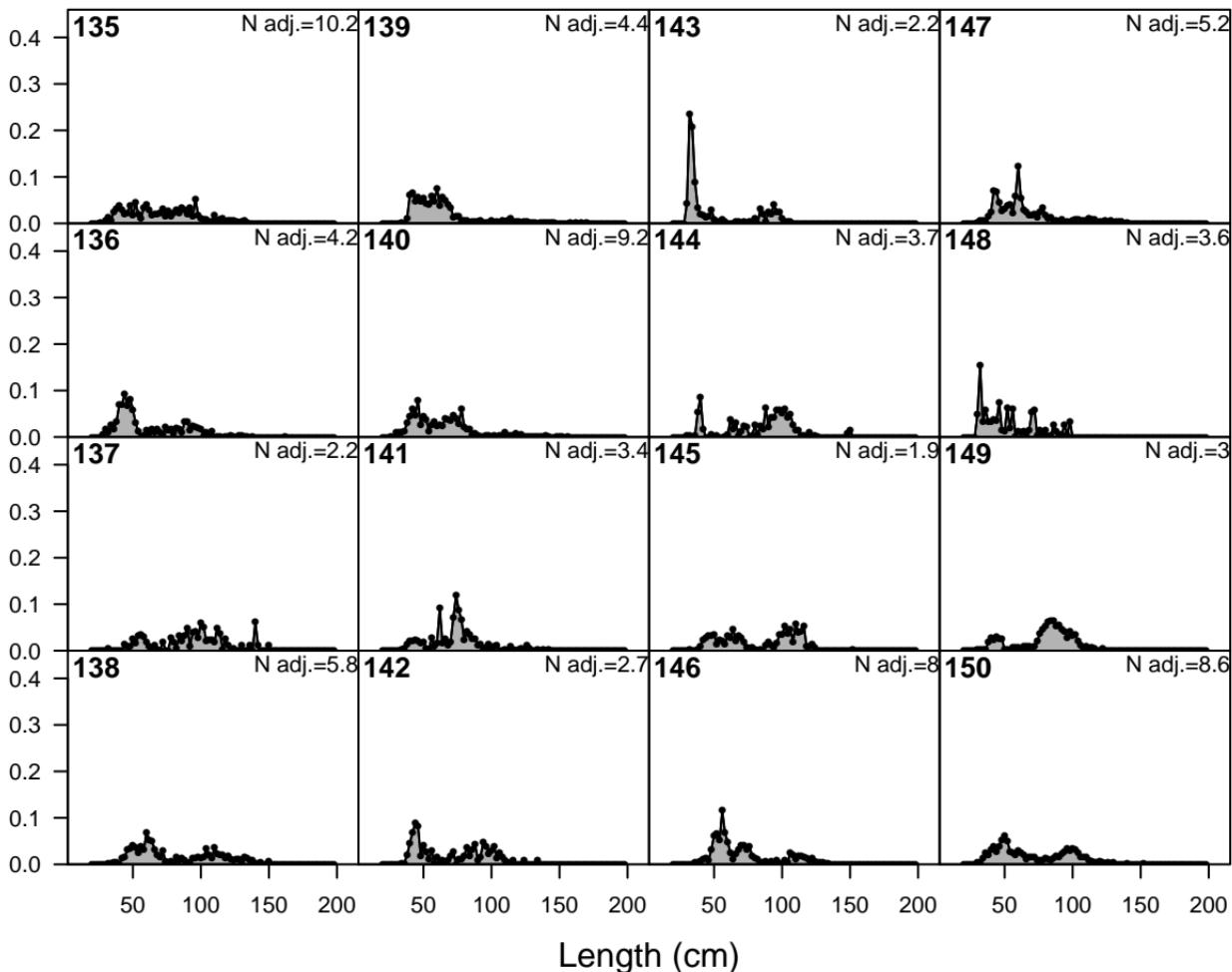
Proportion



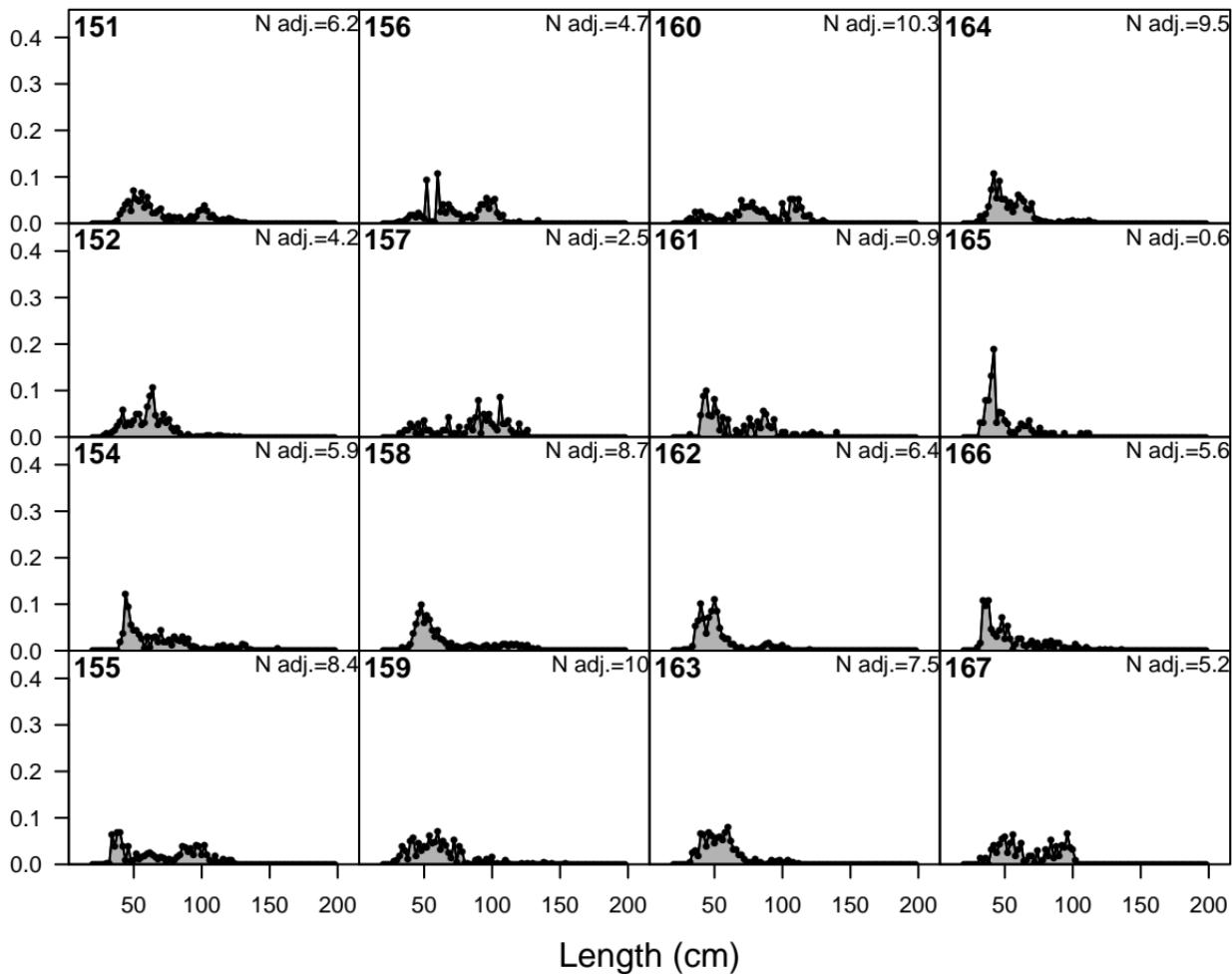
Proportion

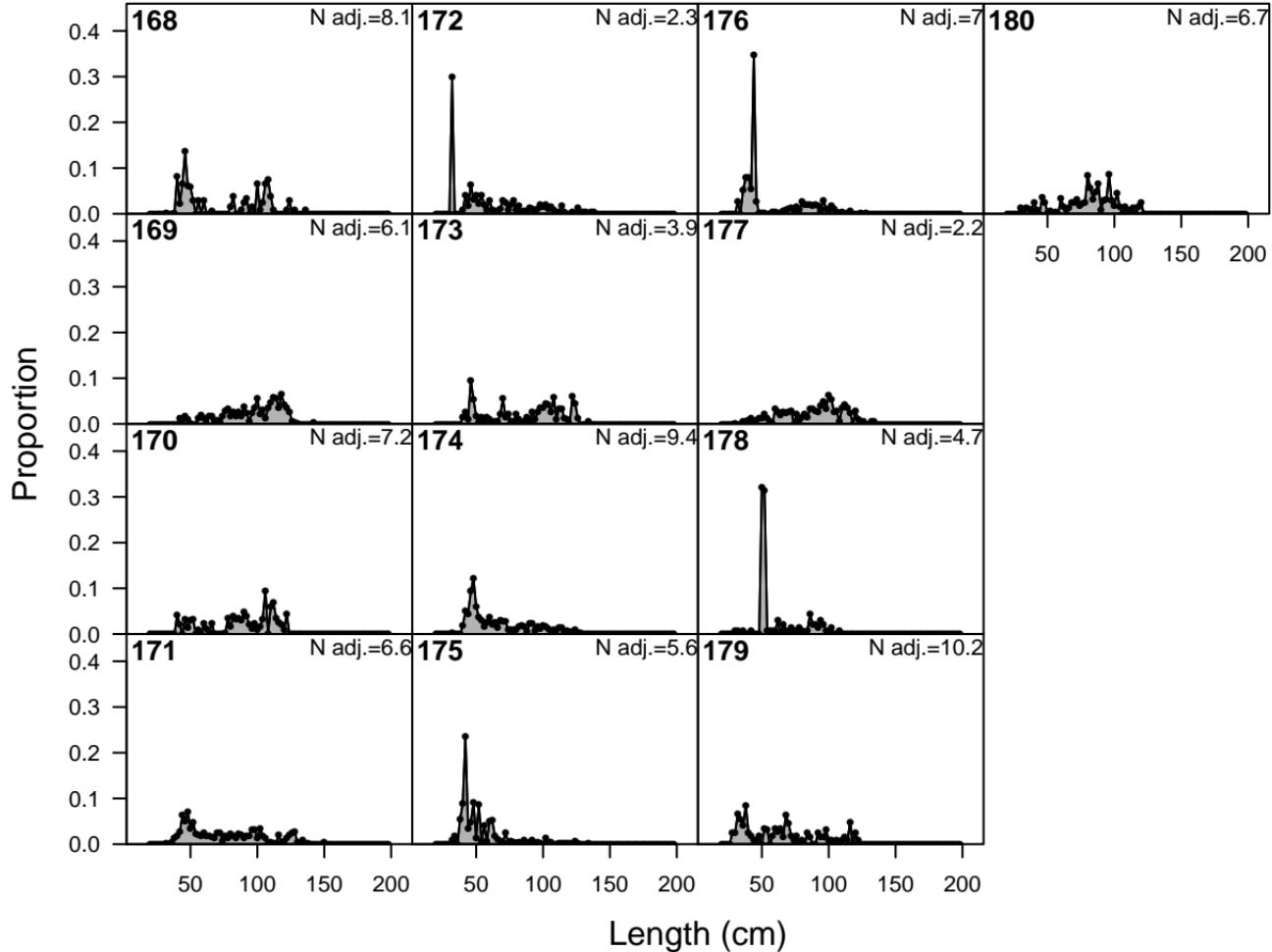


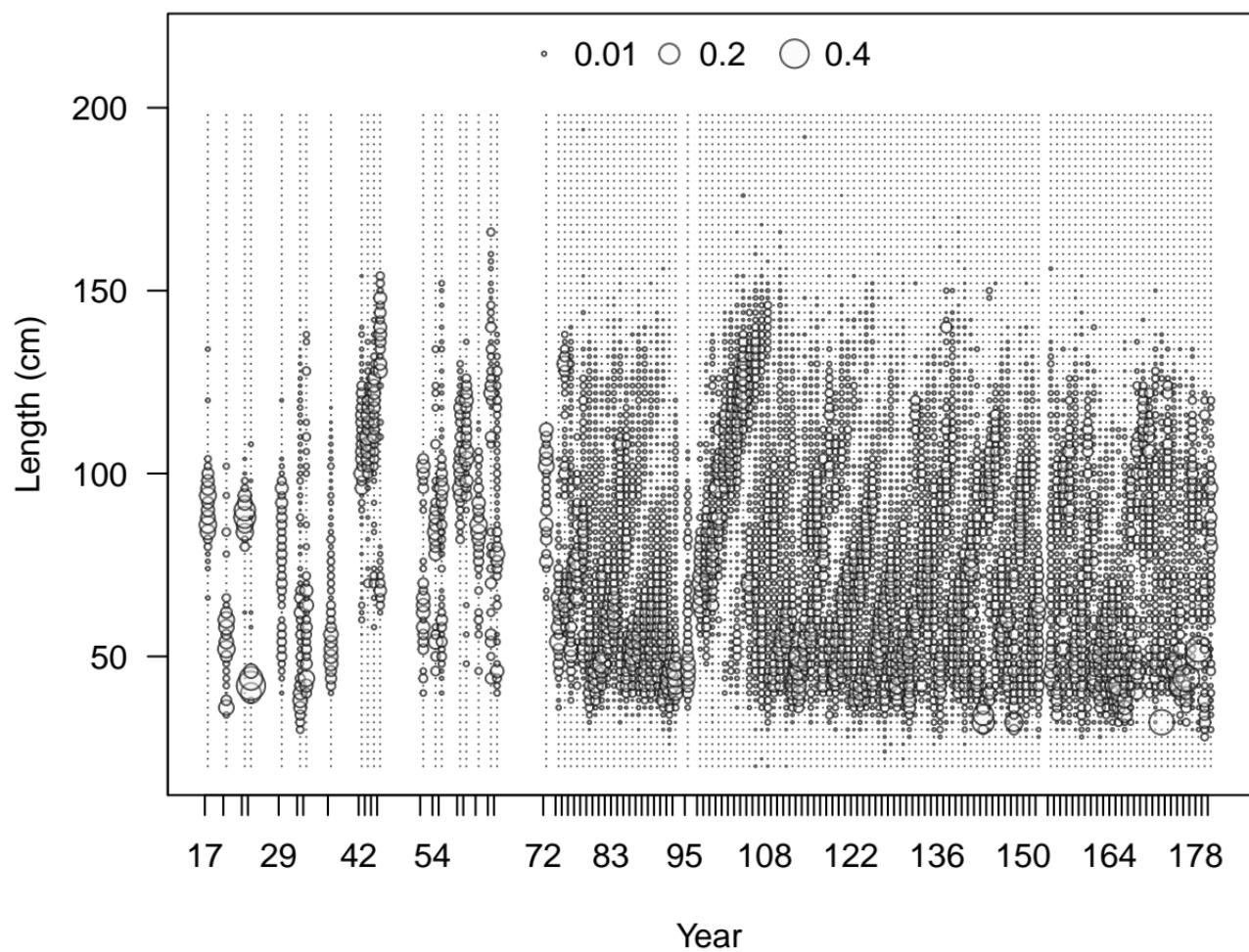
Proportion



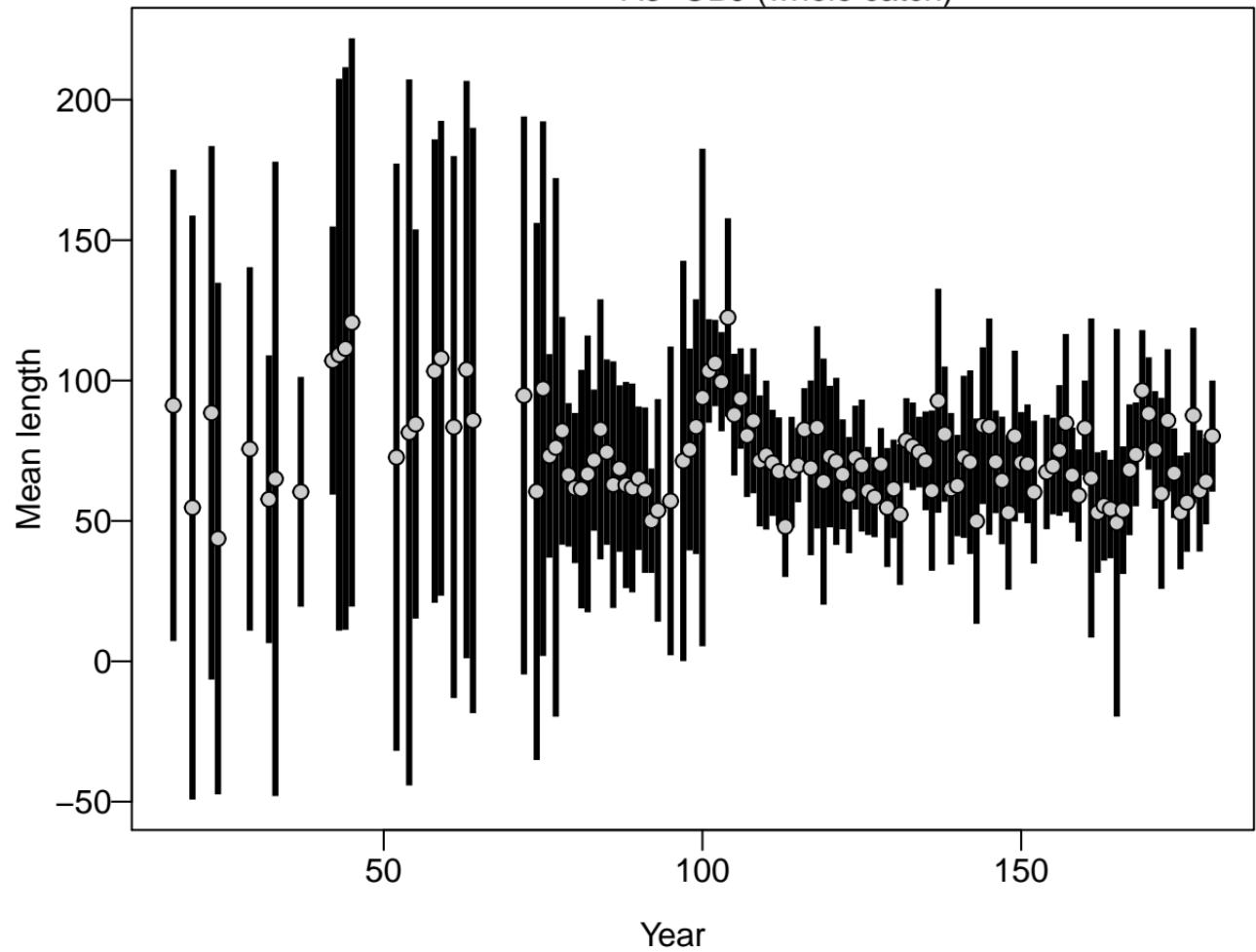
Proportion

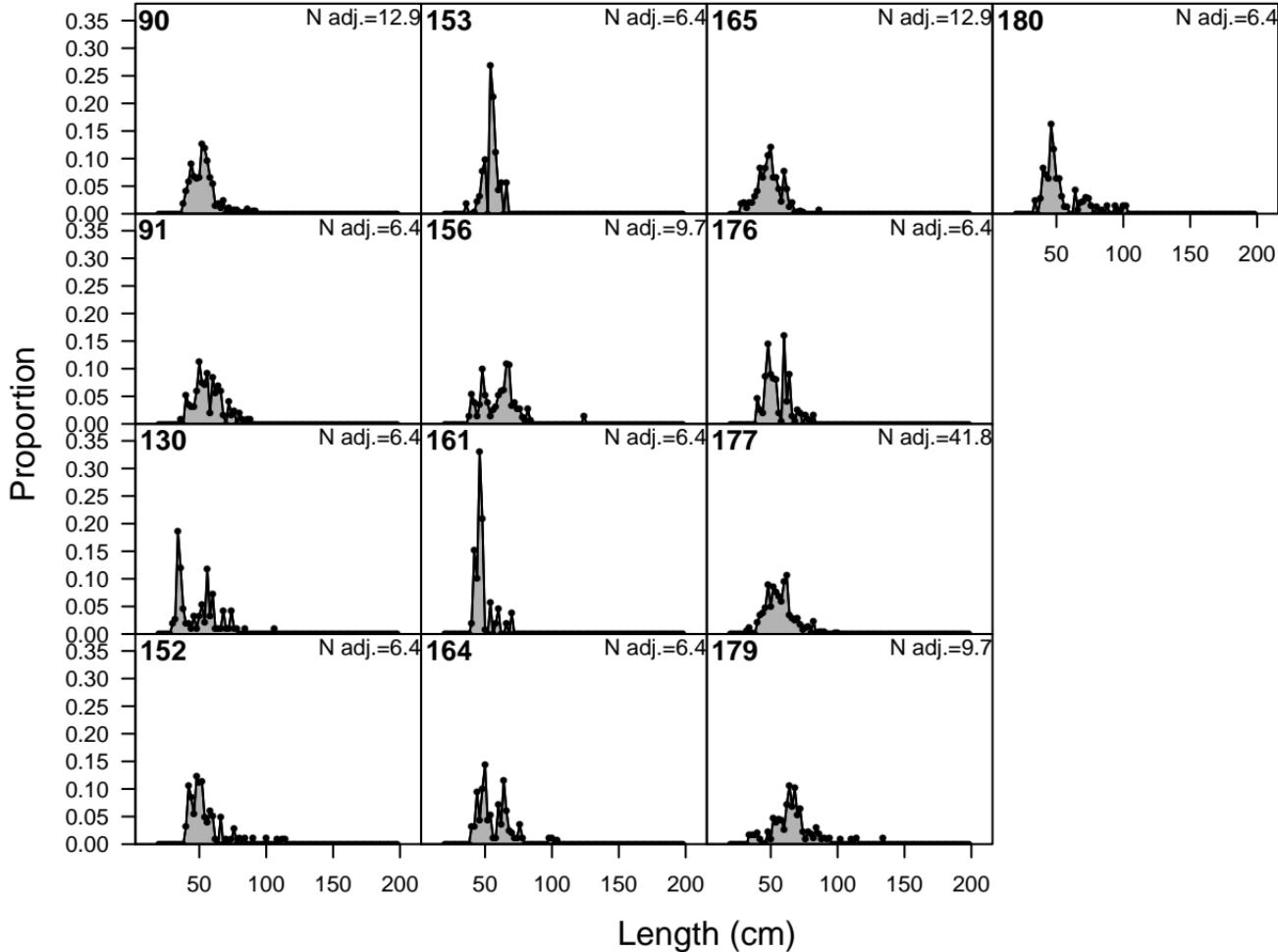


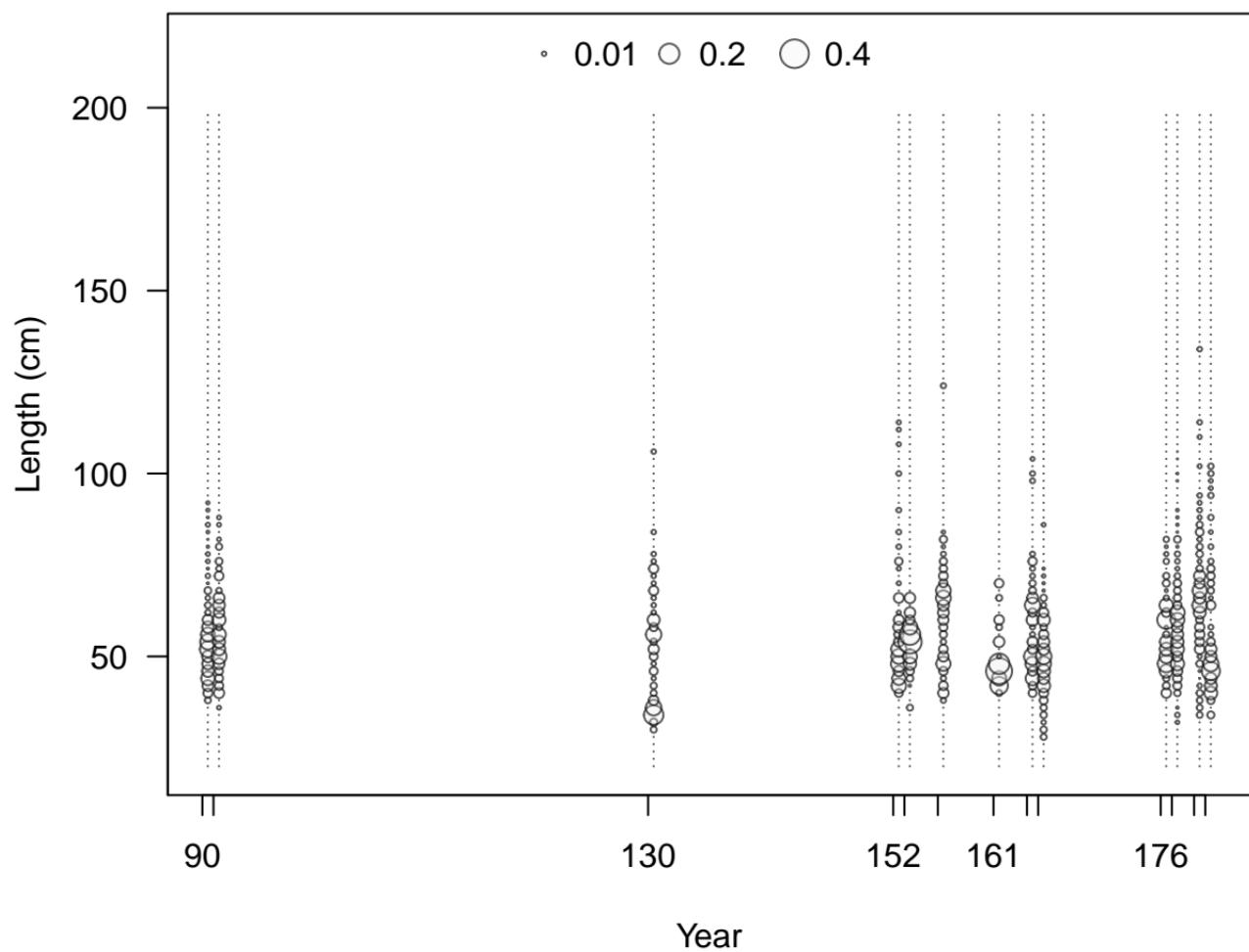




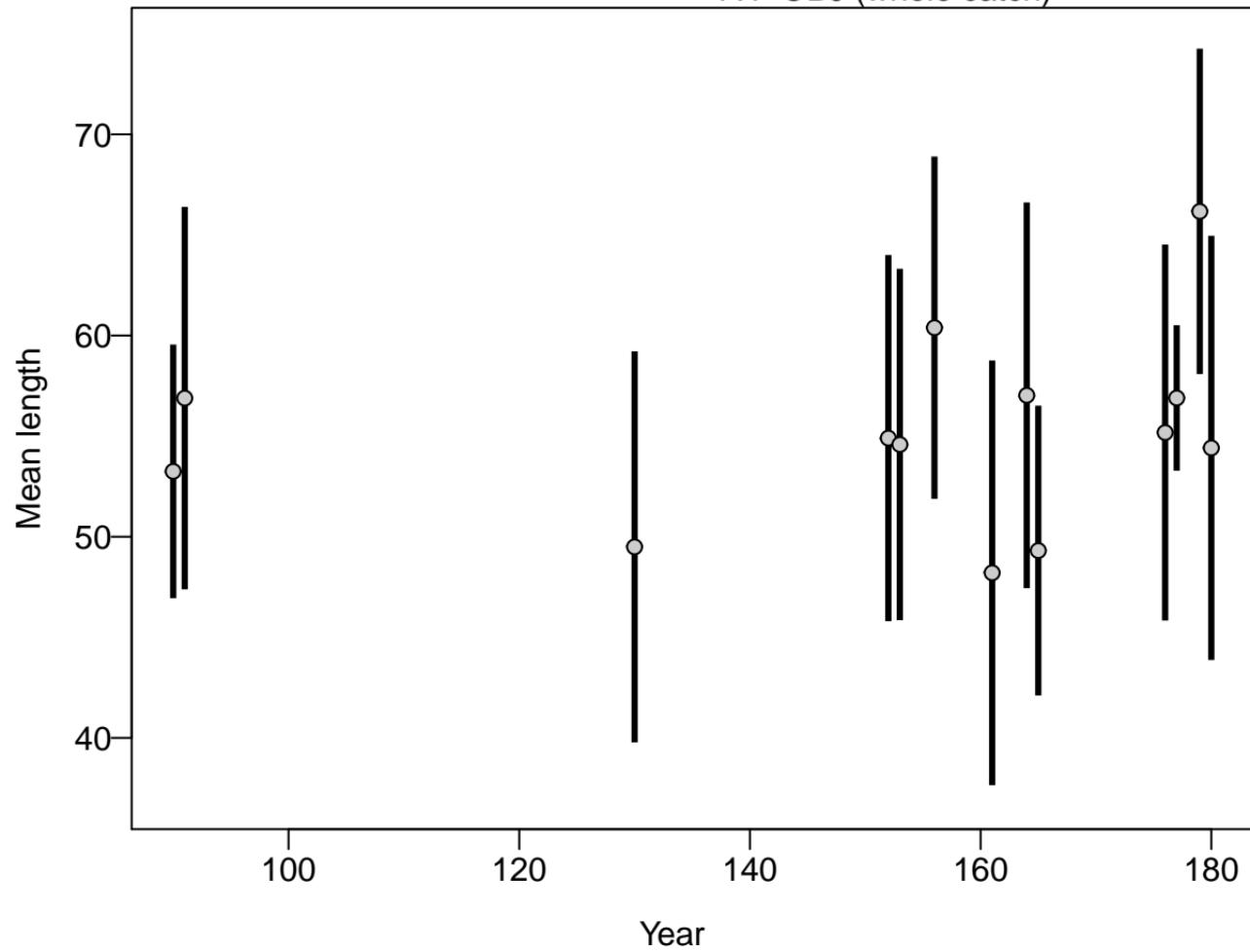
A3-OBJ (whole catch)

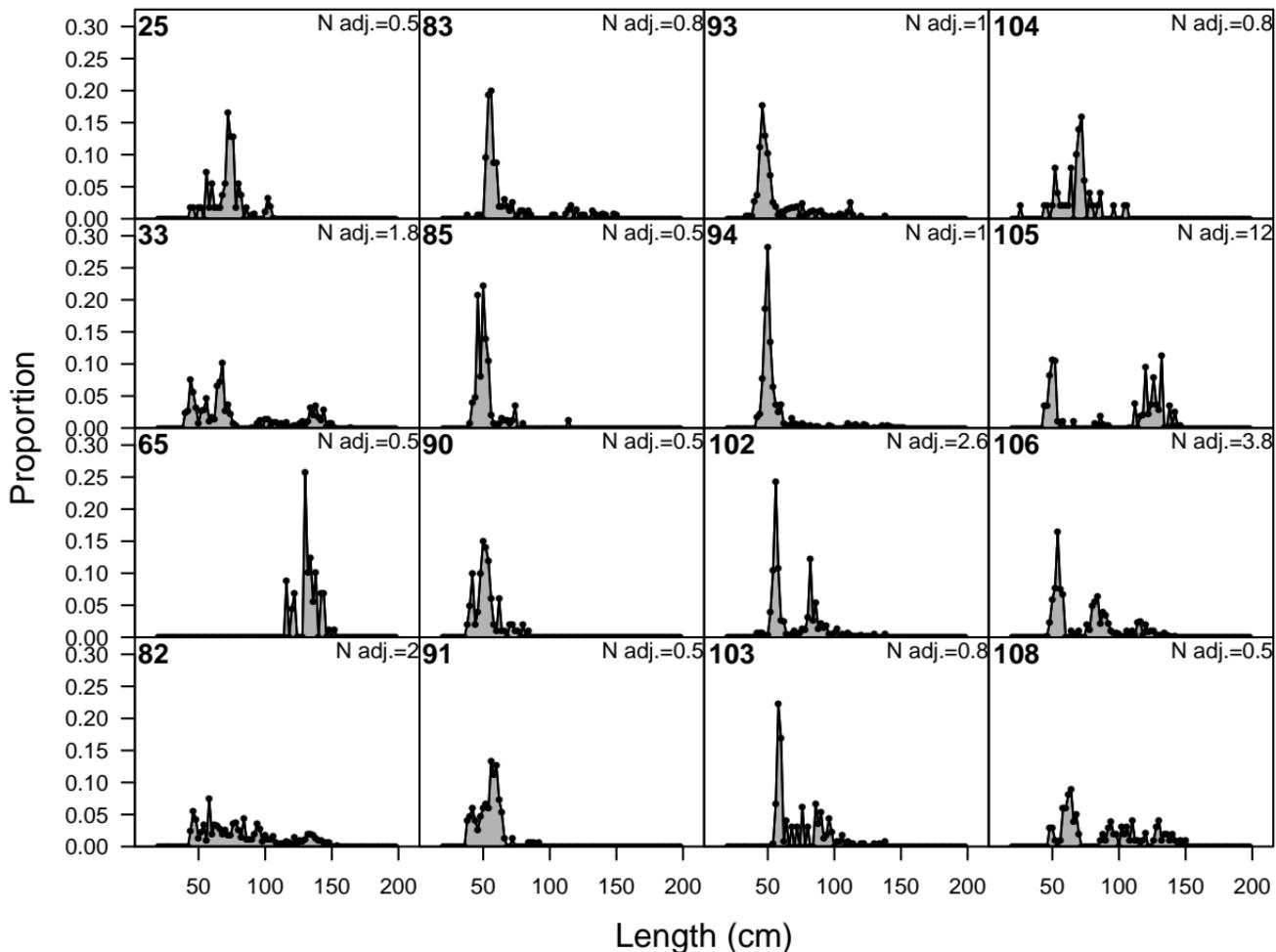


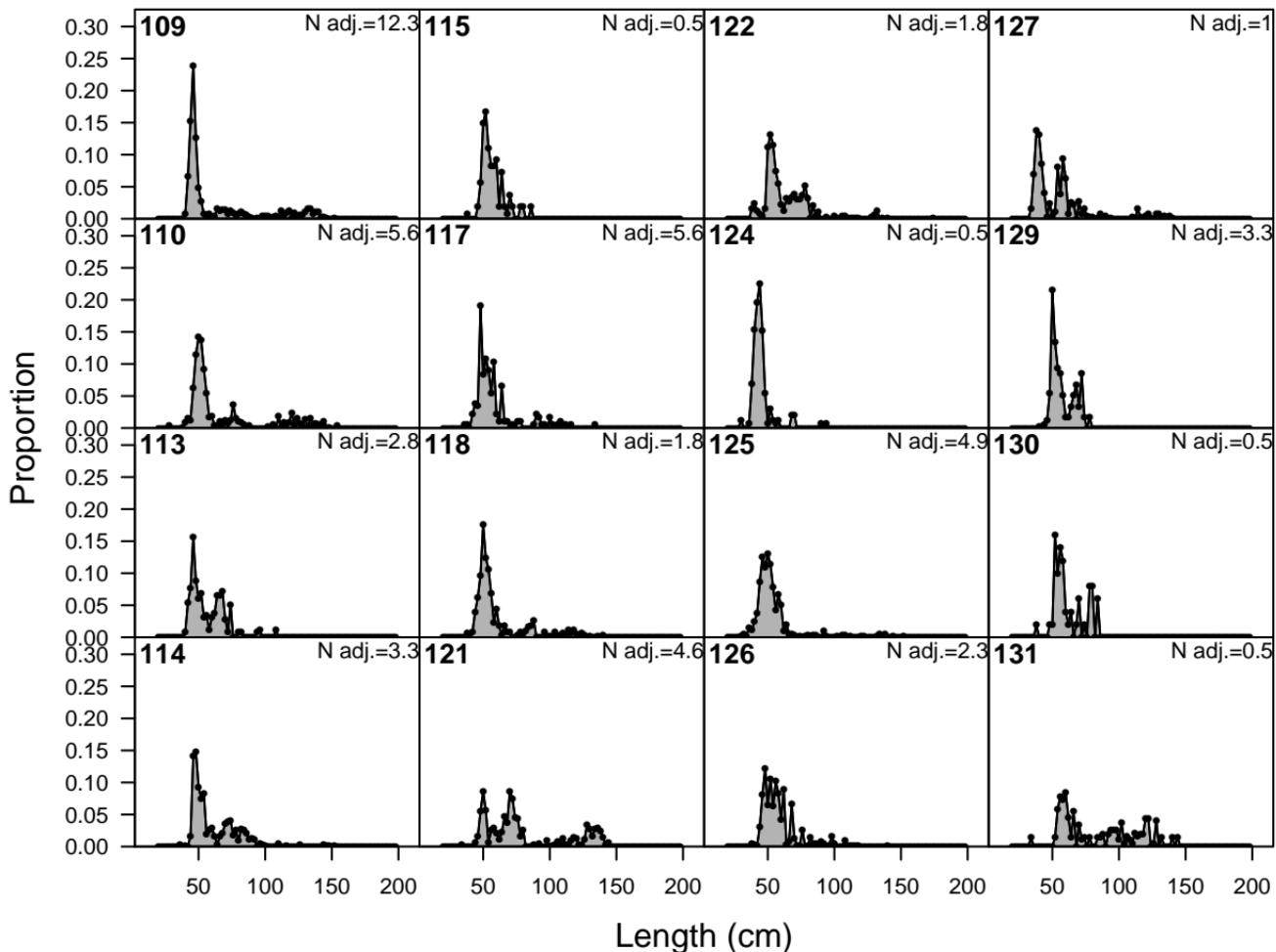


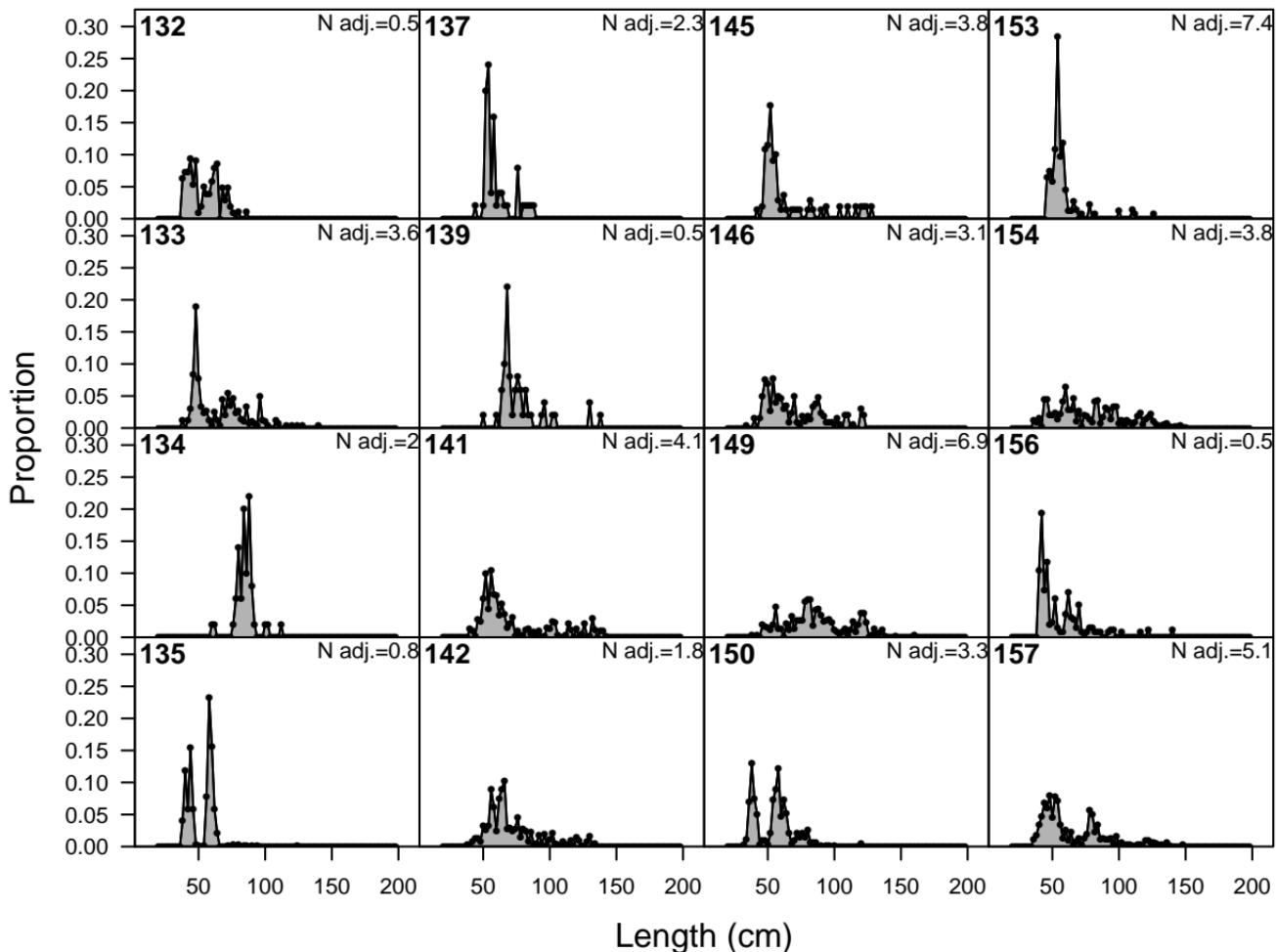


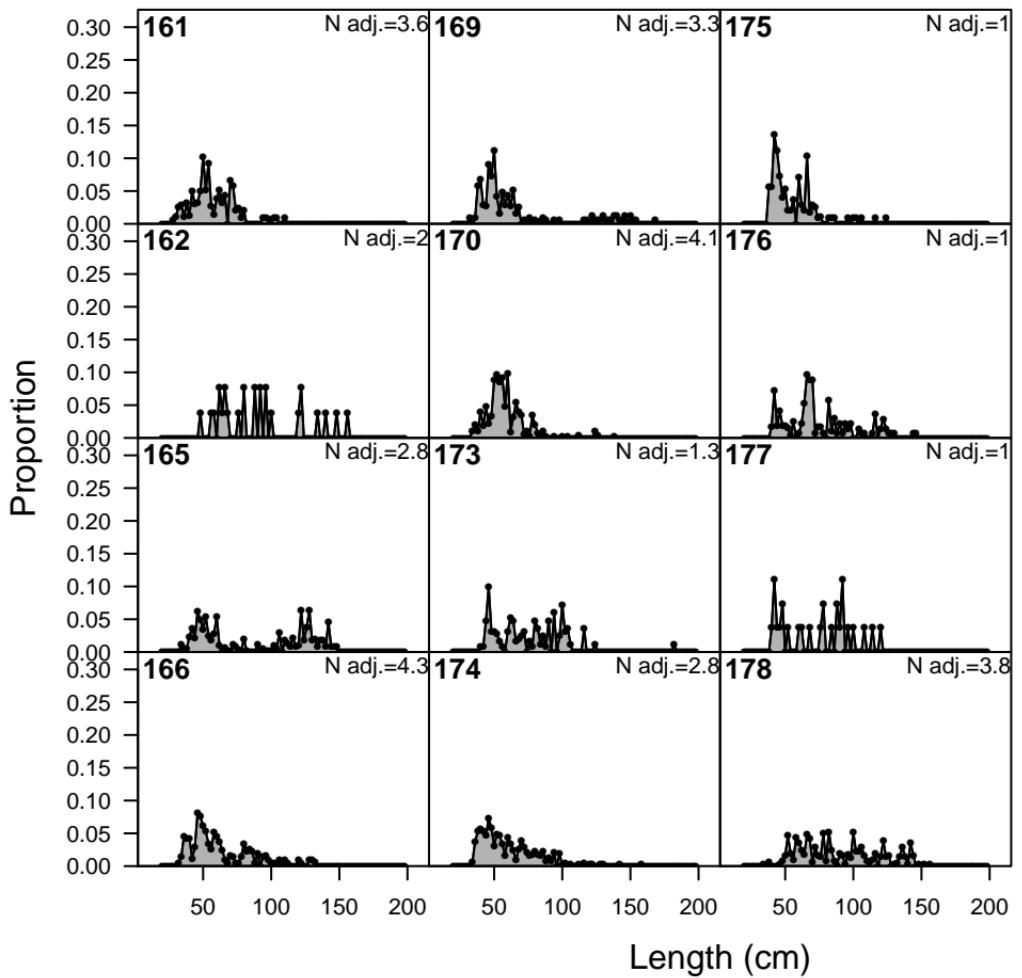
A4-OBJ (whole catch)

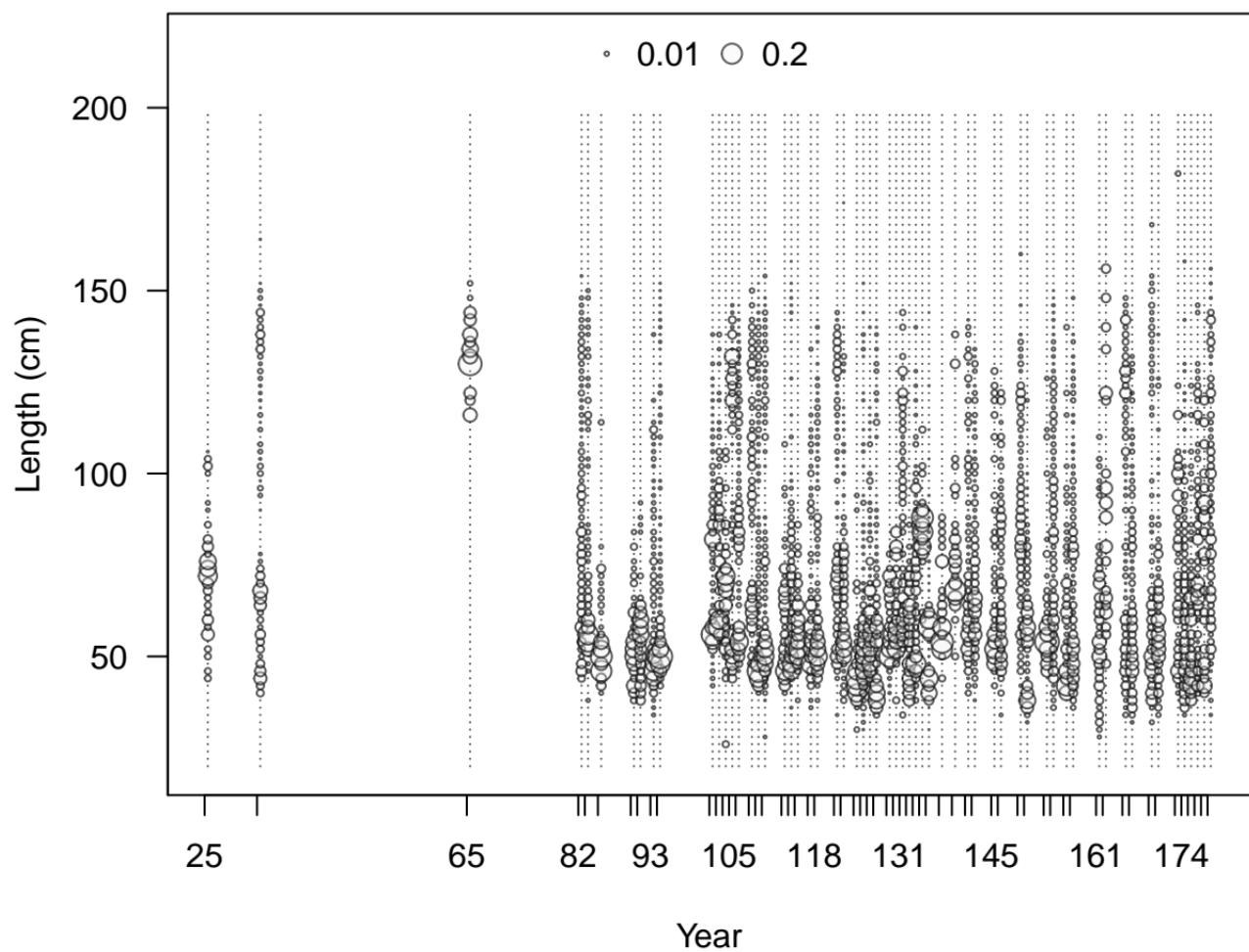




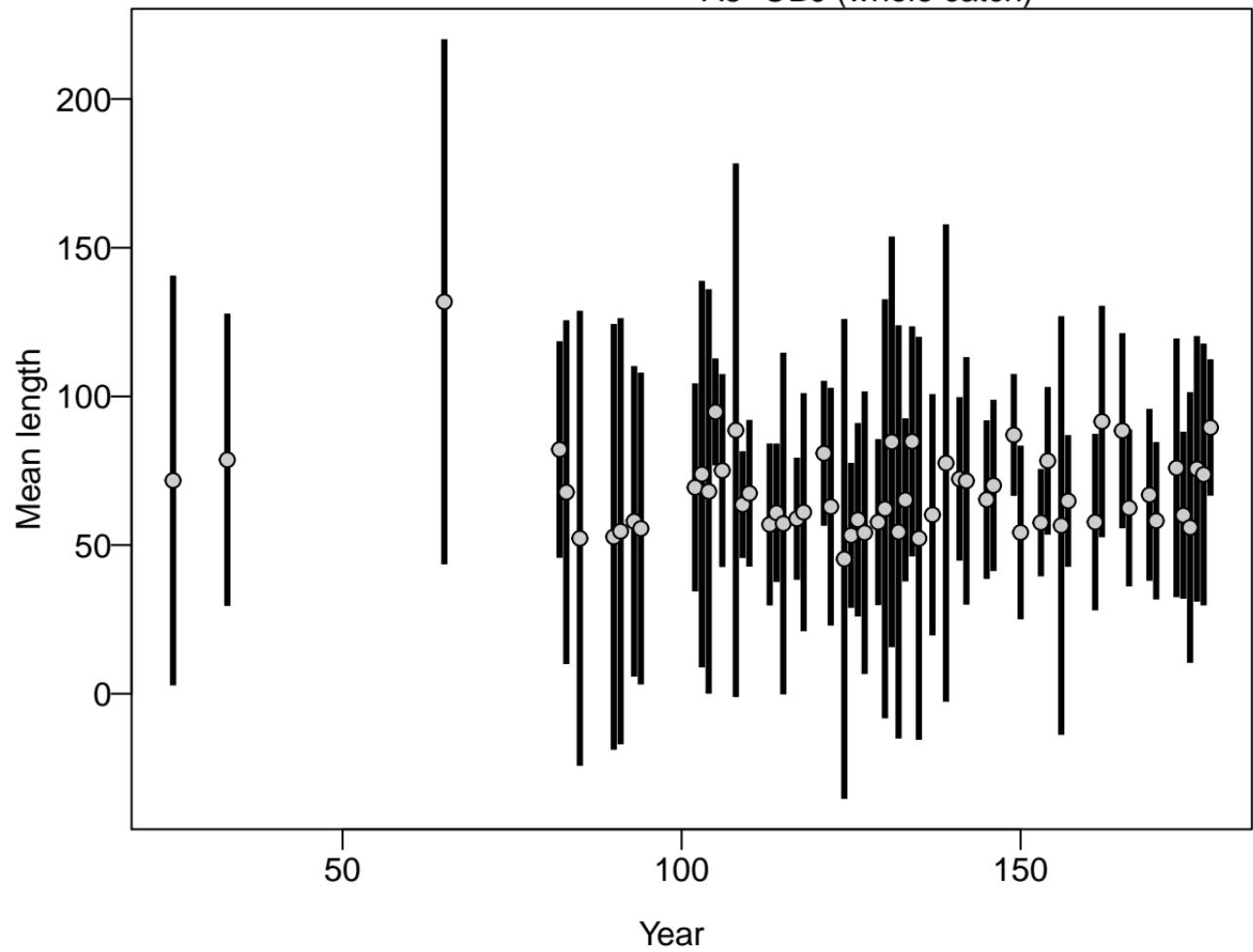


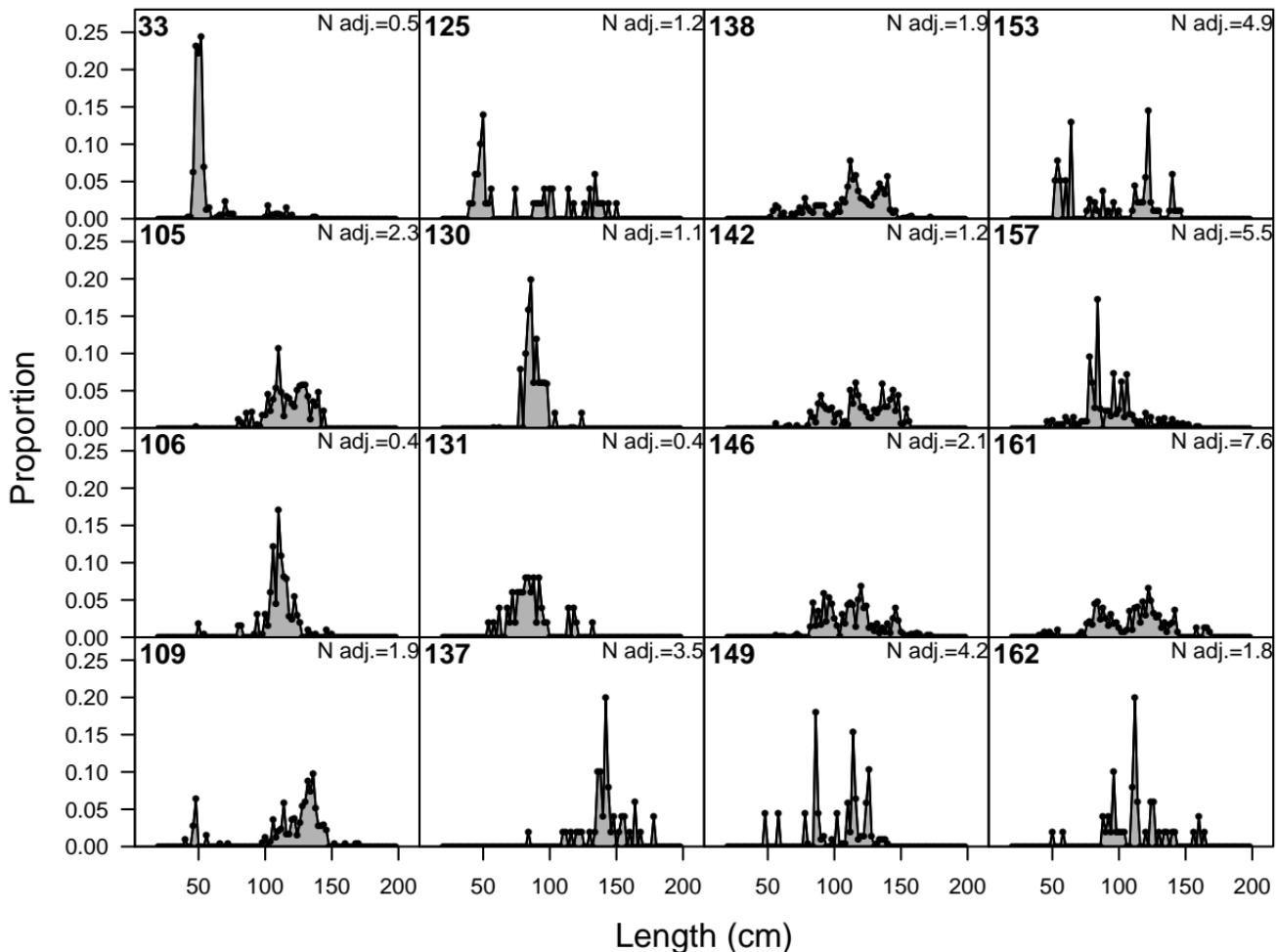


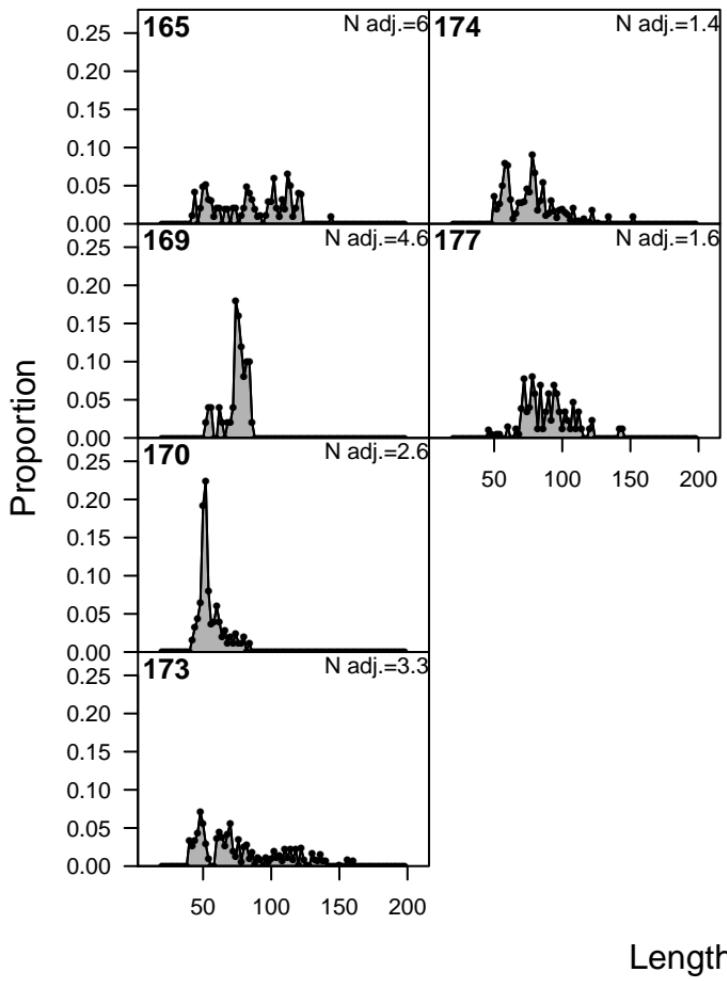


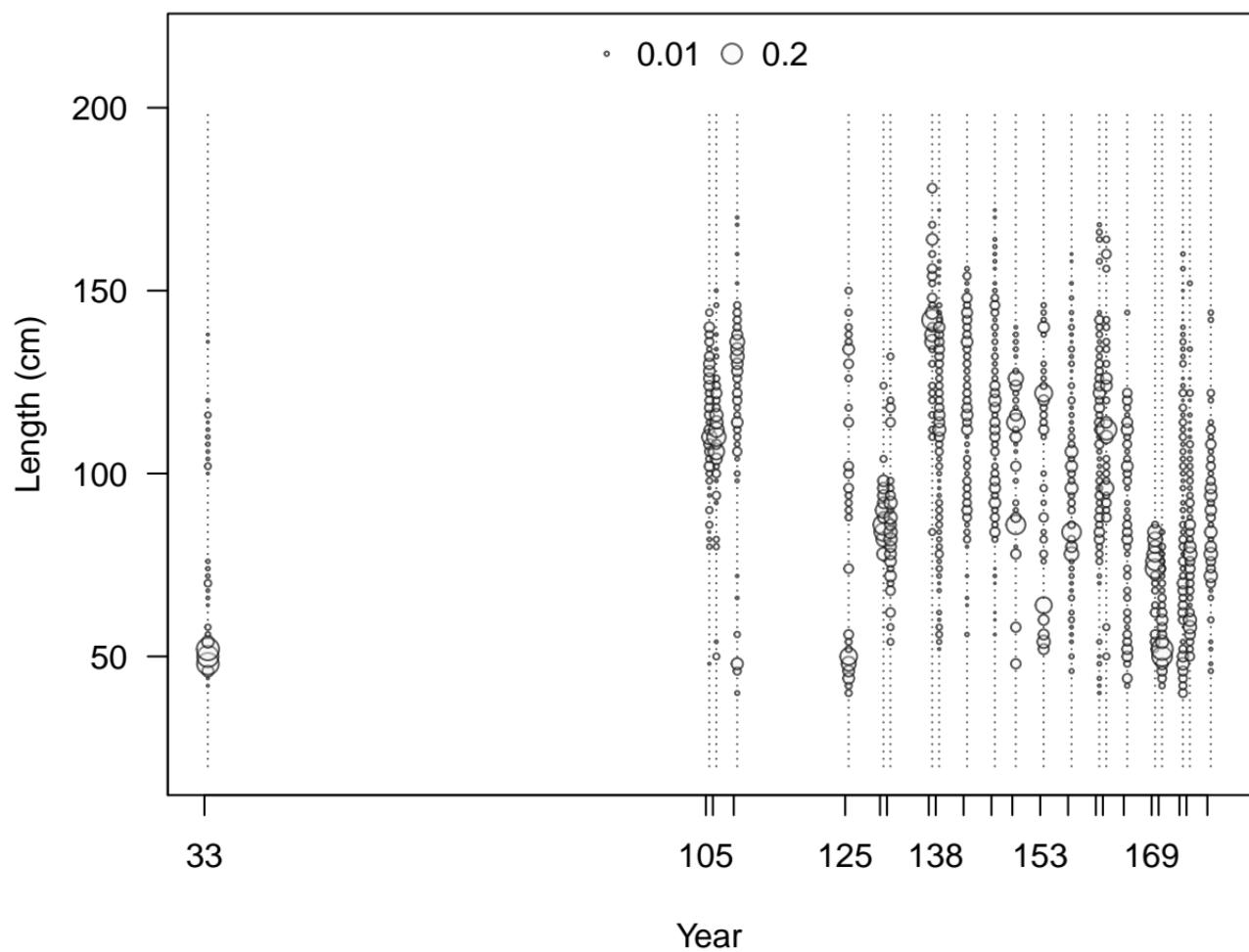


A5-OBJ (whole catch)

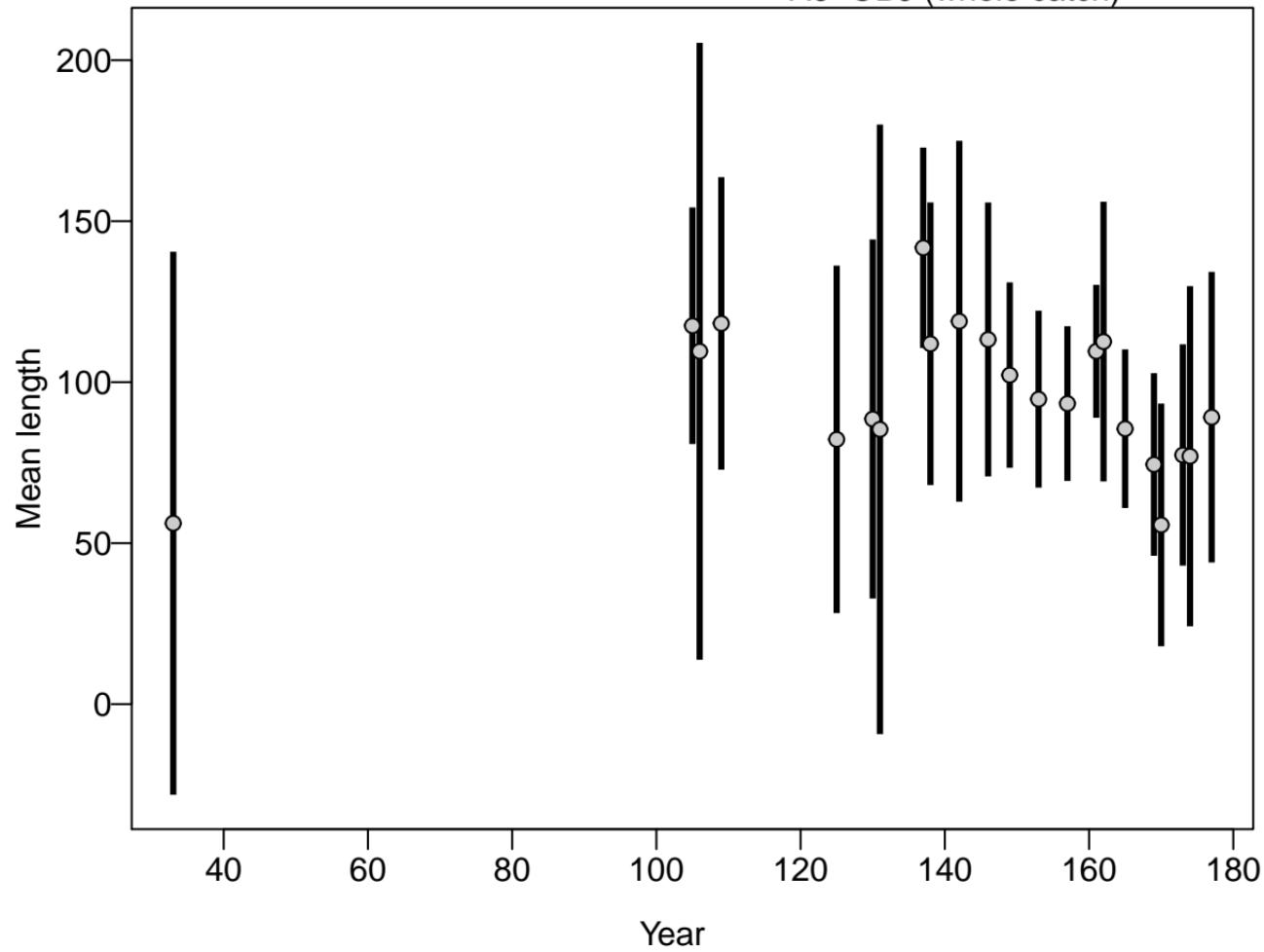




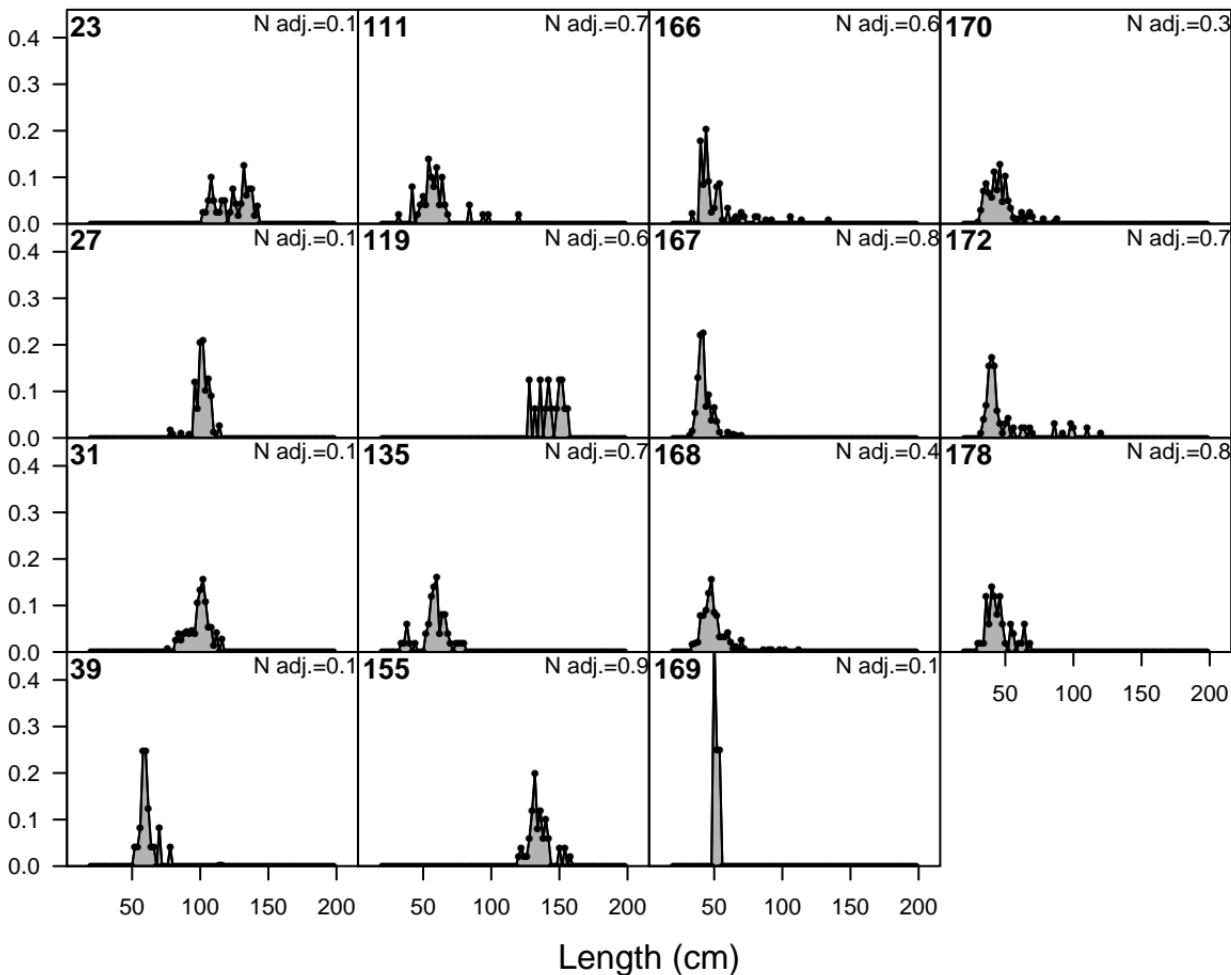


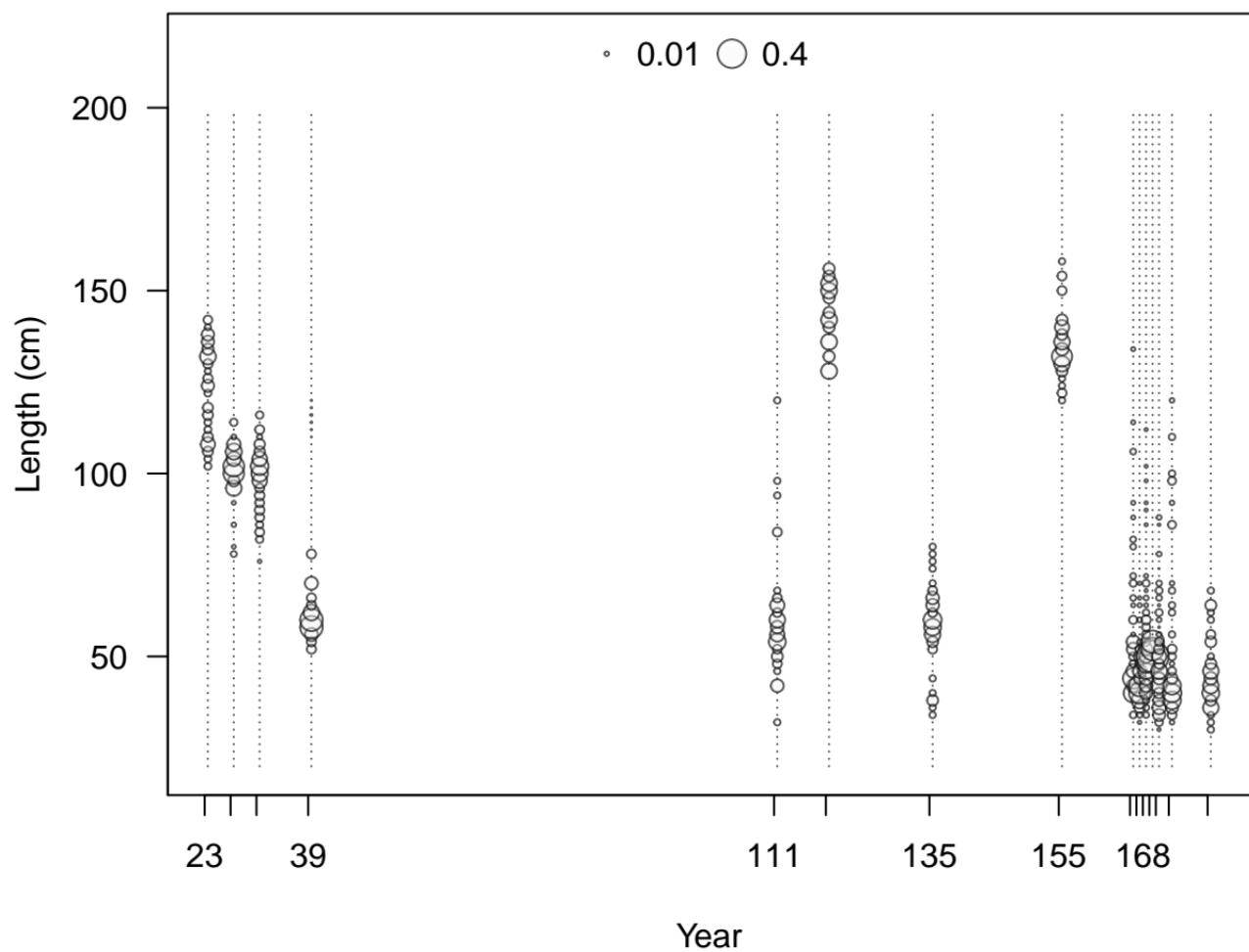


A6-OBJ (whole catch)

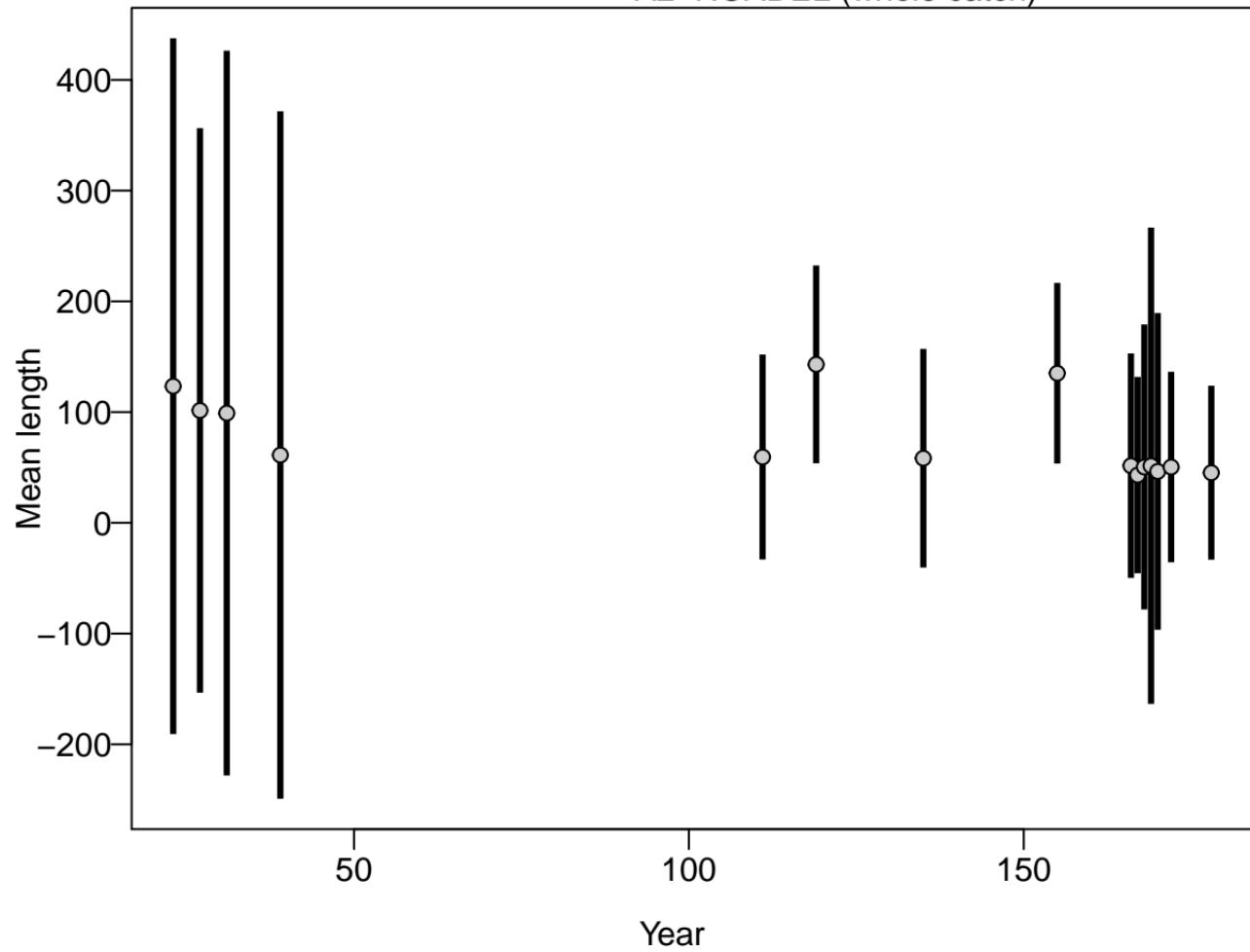


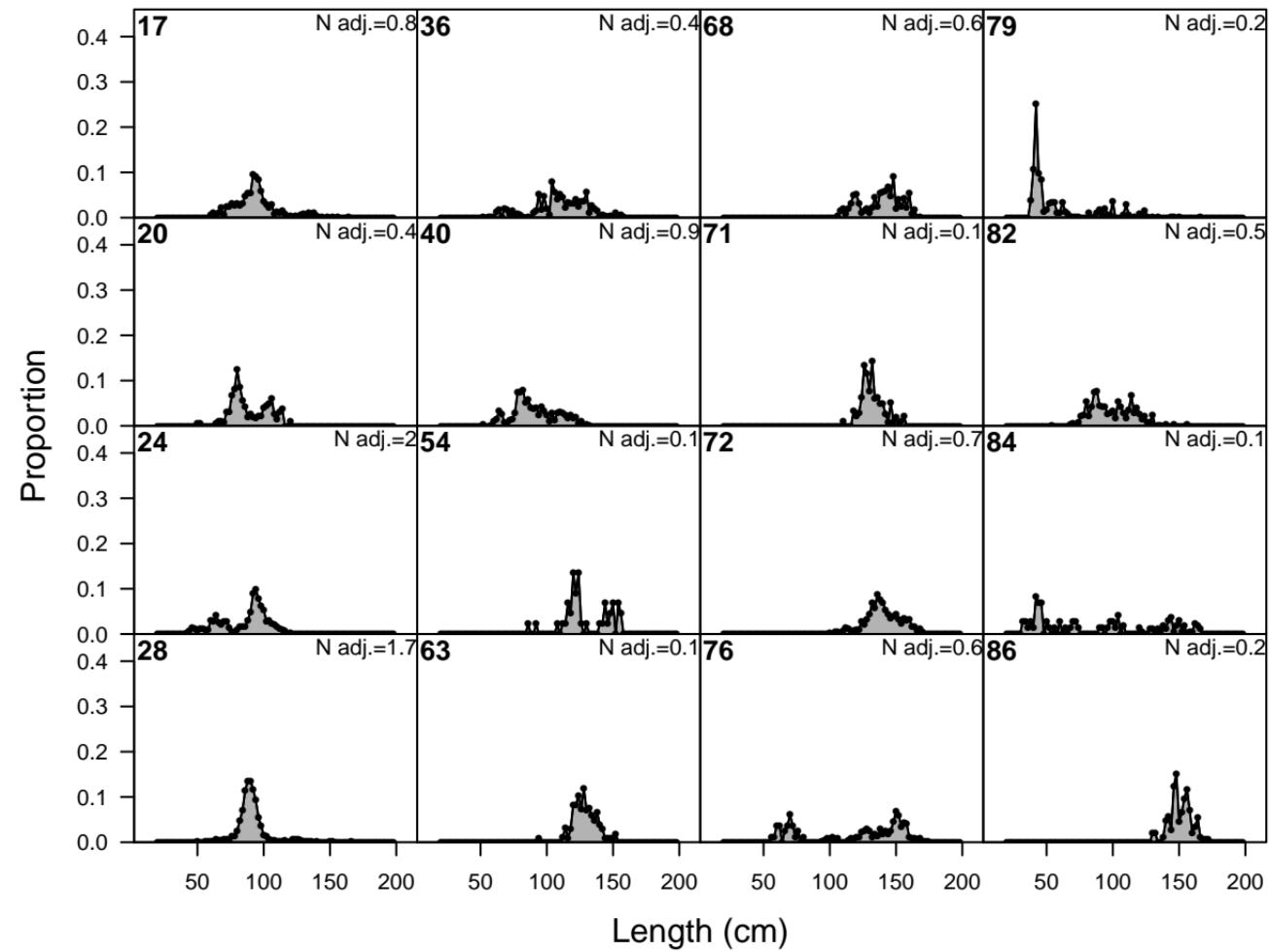
Proportion



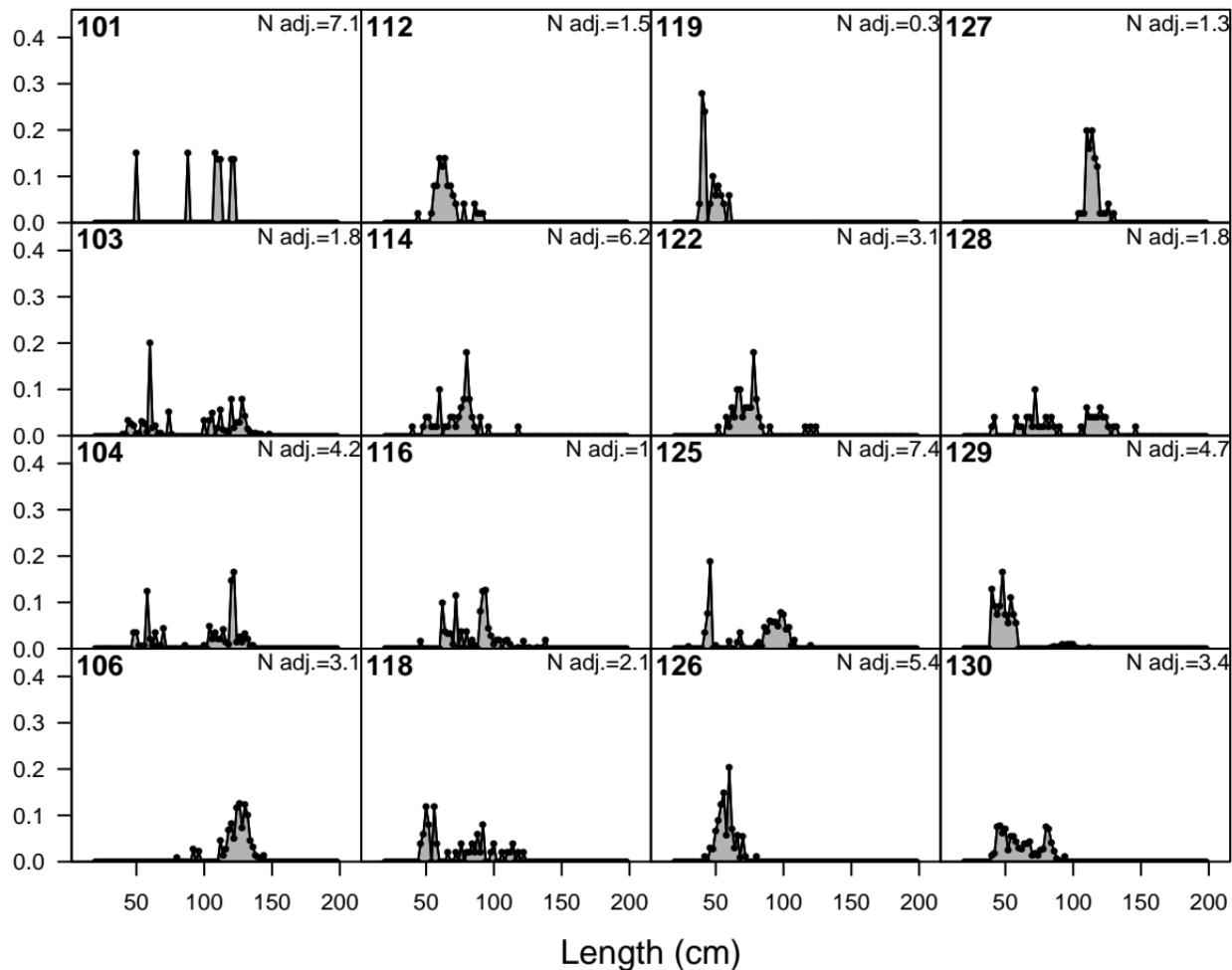


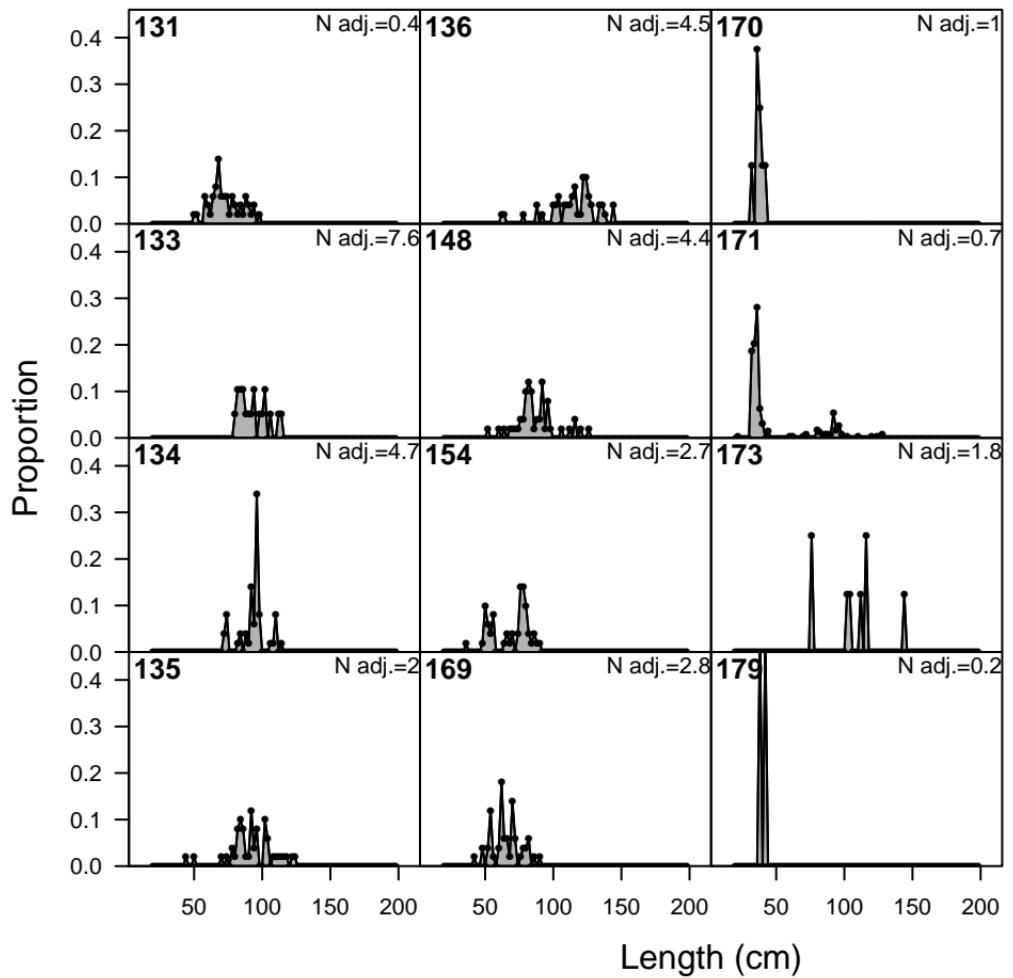
A2–NOADEL (whole catch)

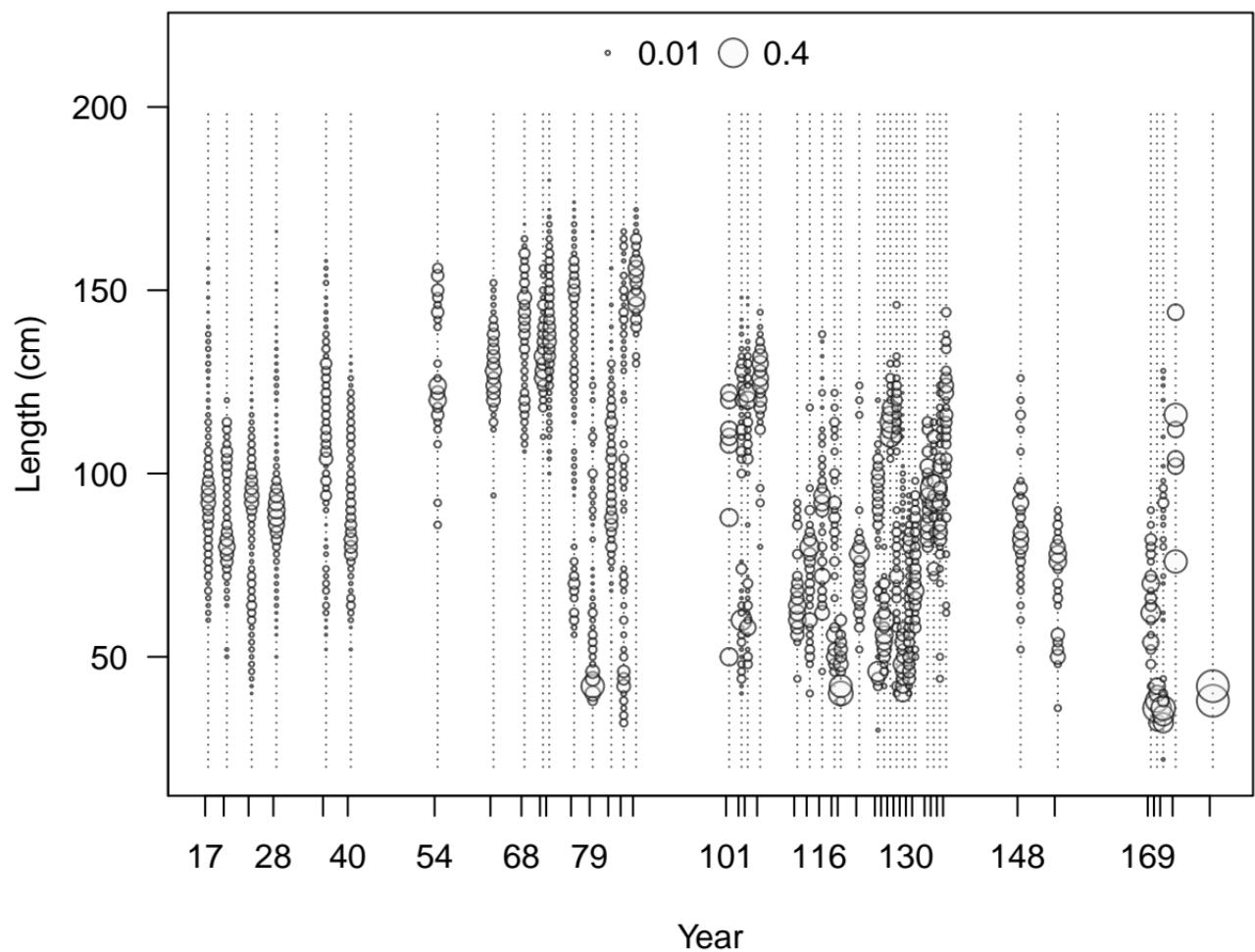




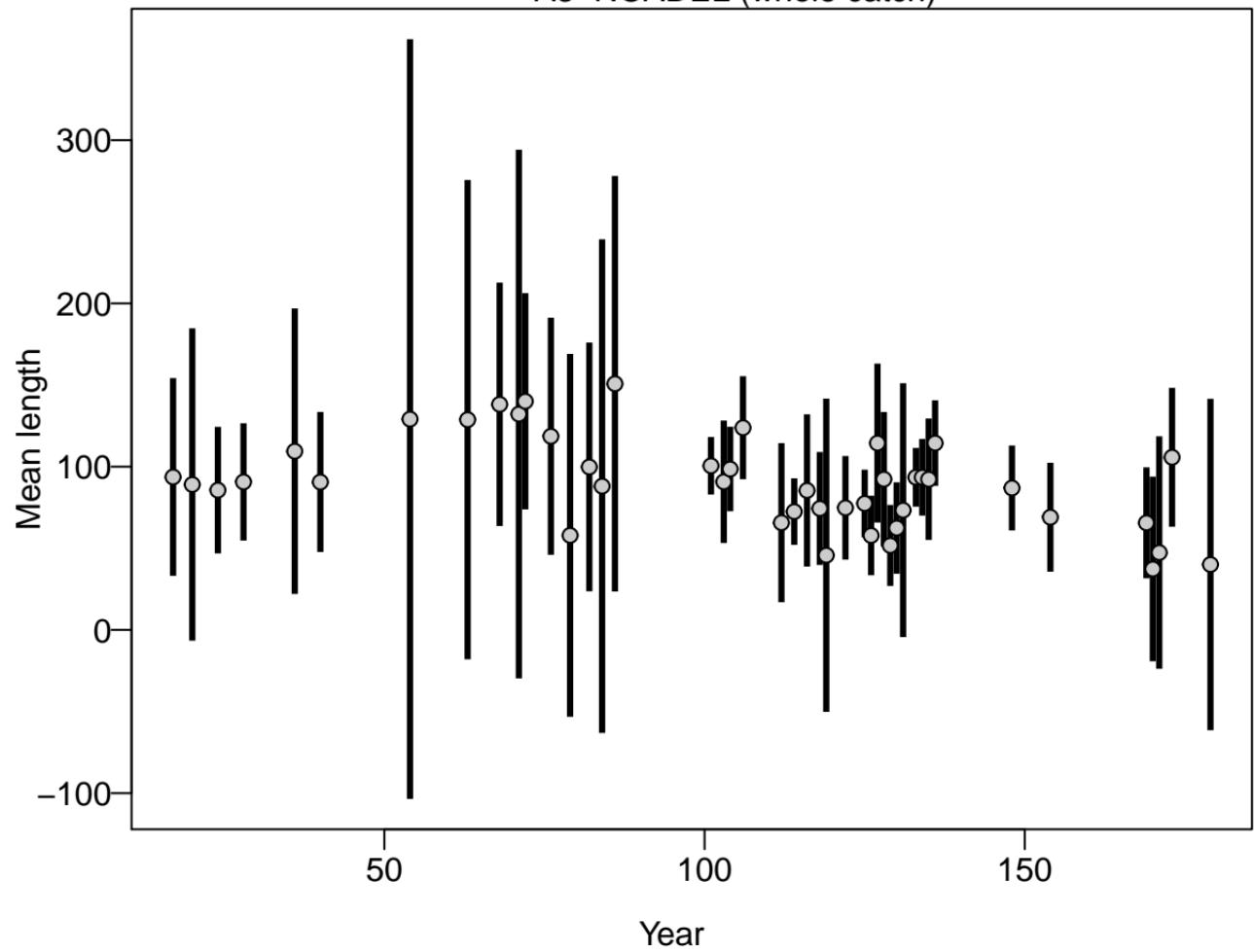
Proportion

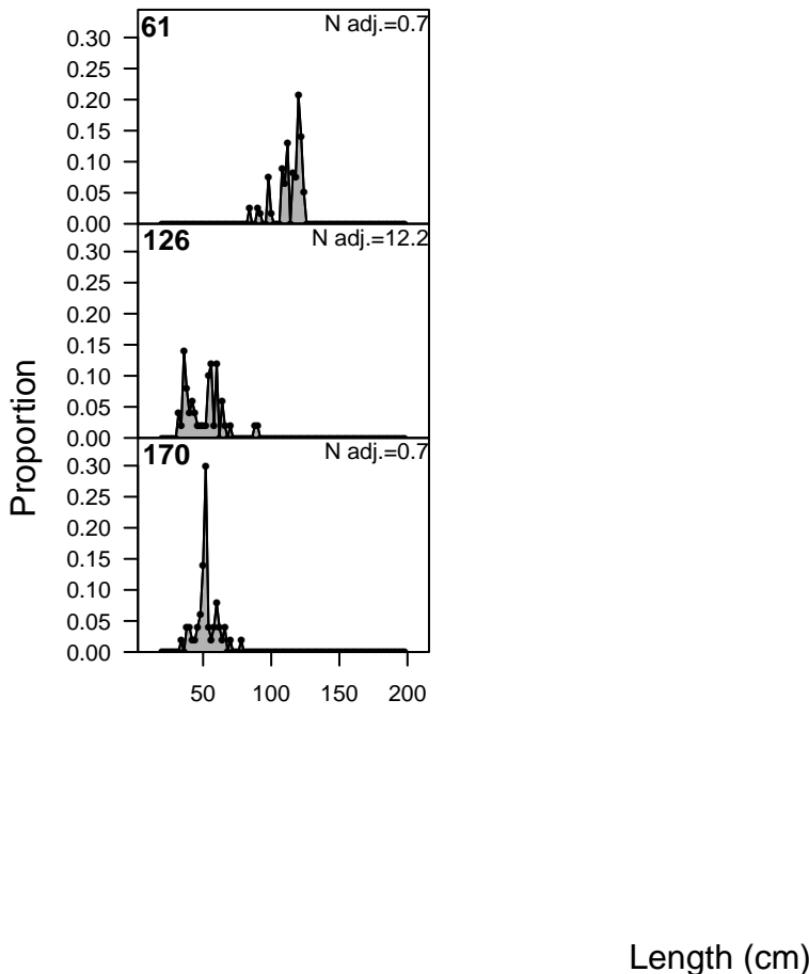


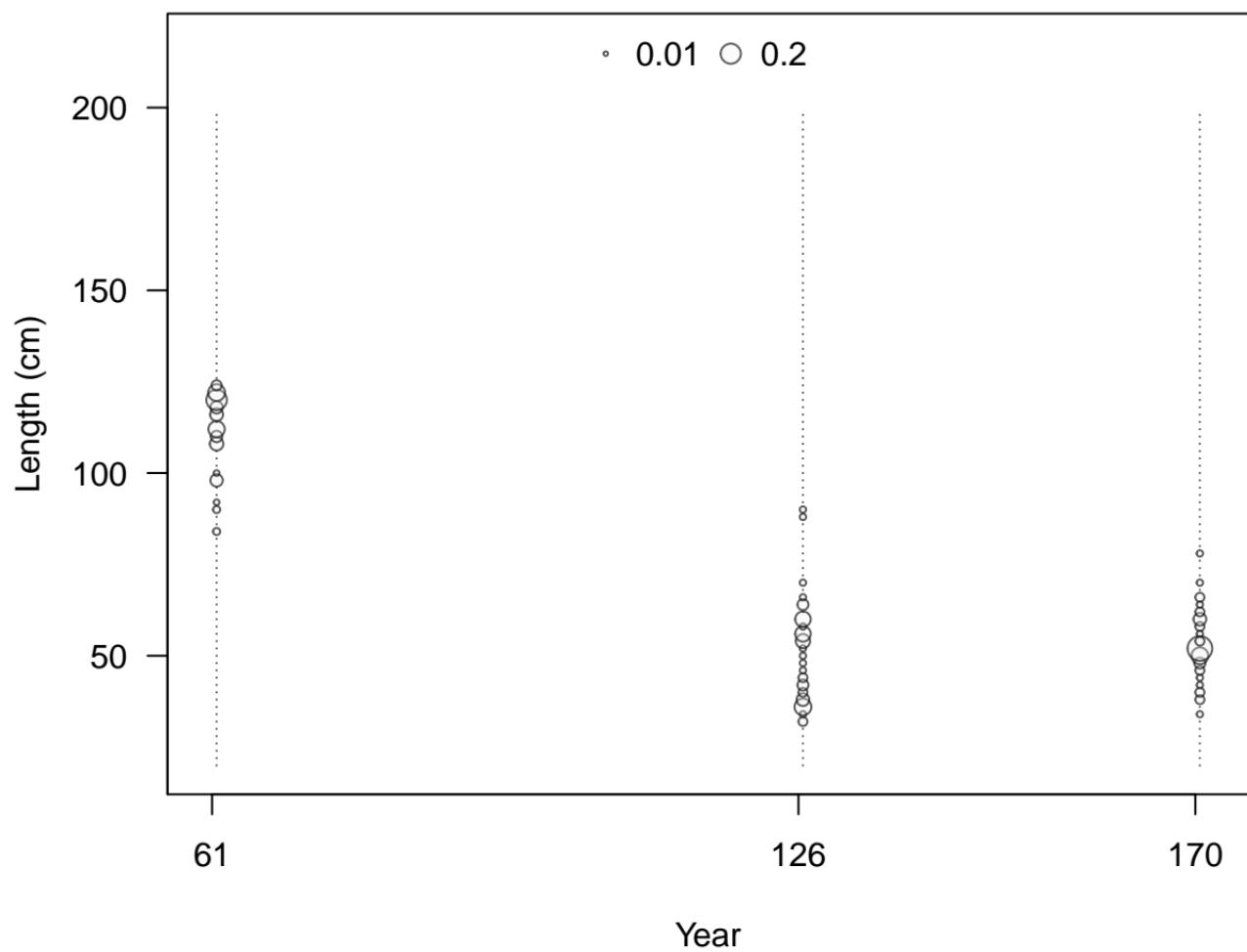




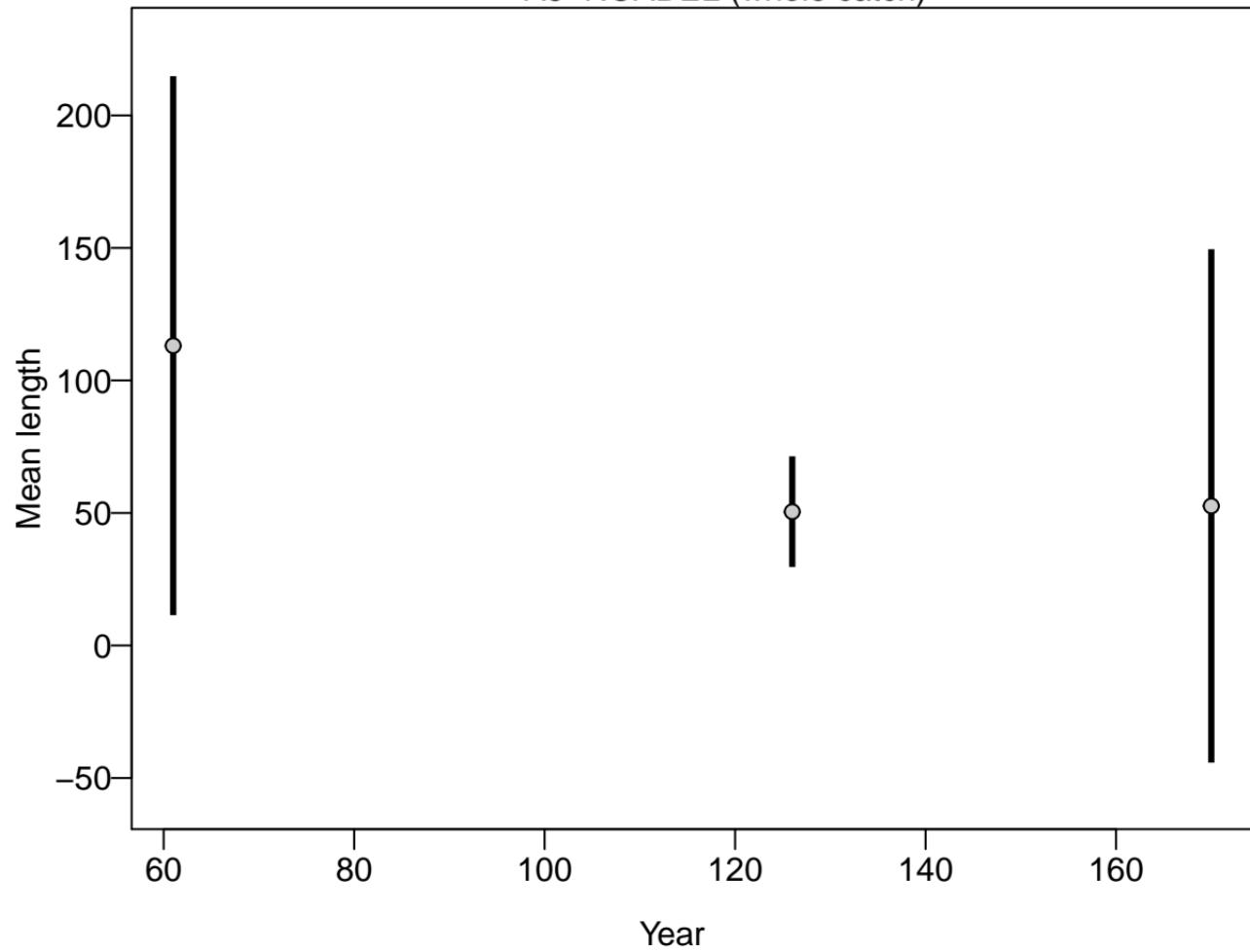
A3–NOADEL (whole catch)

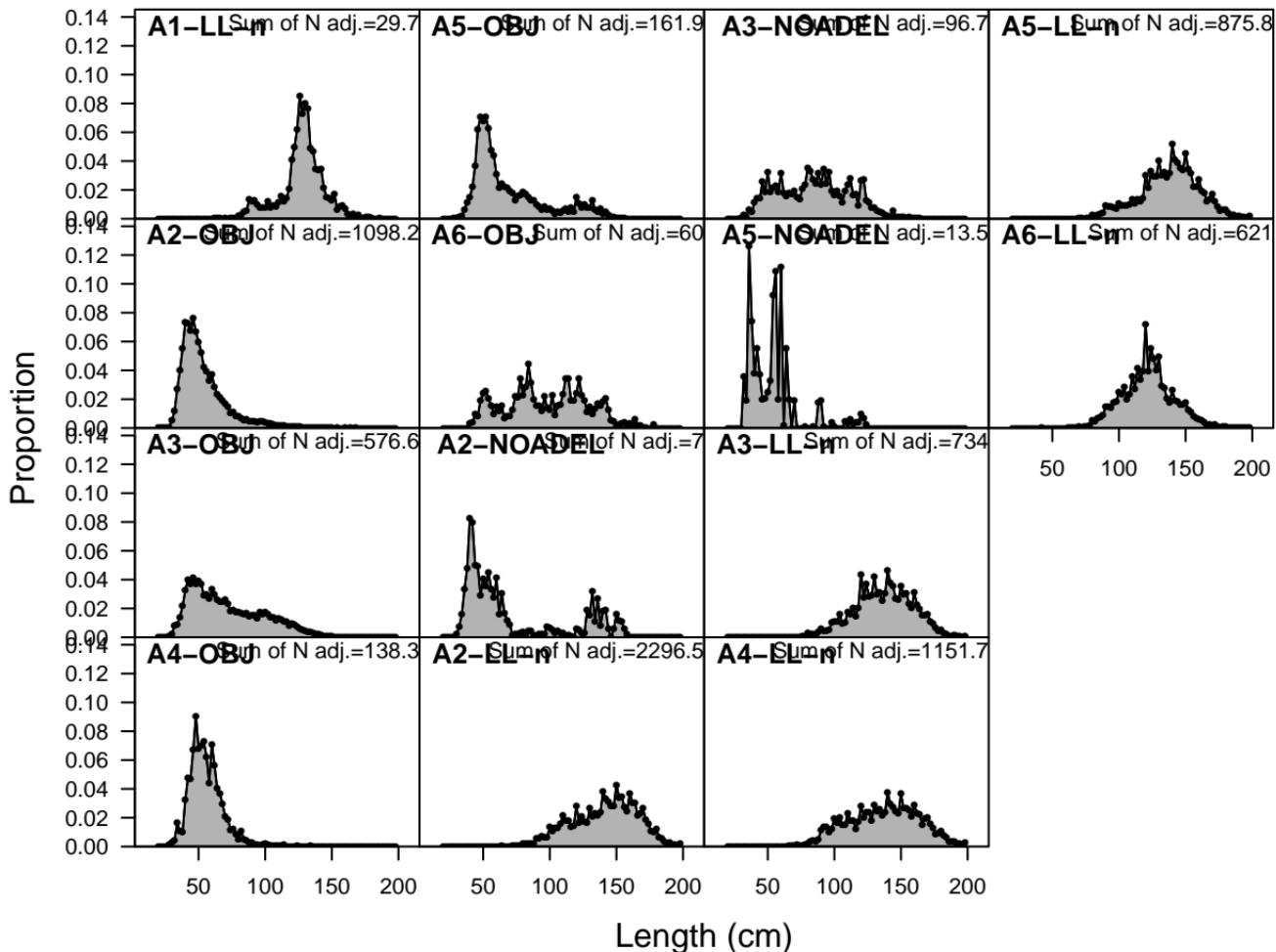


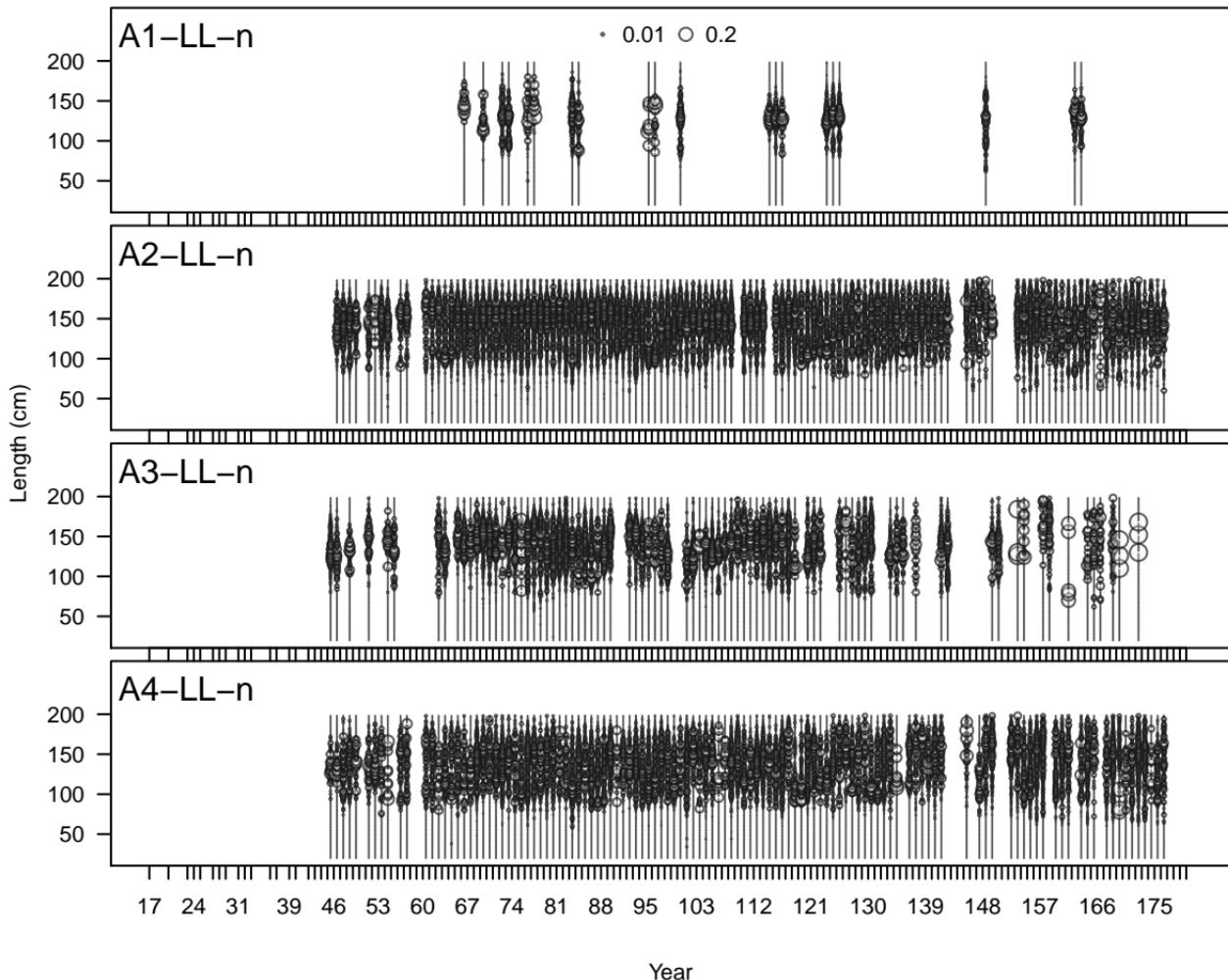


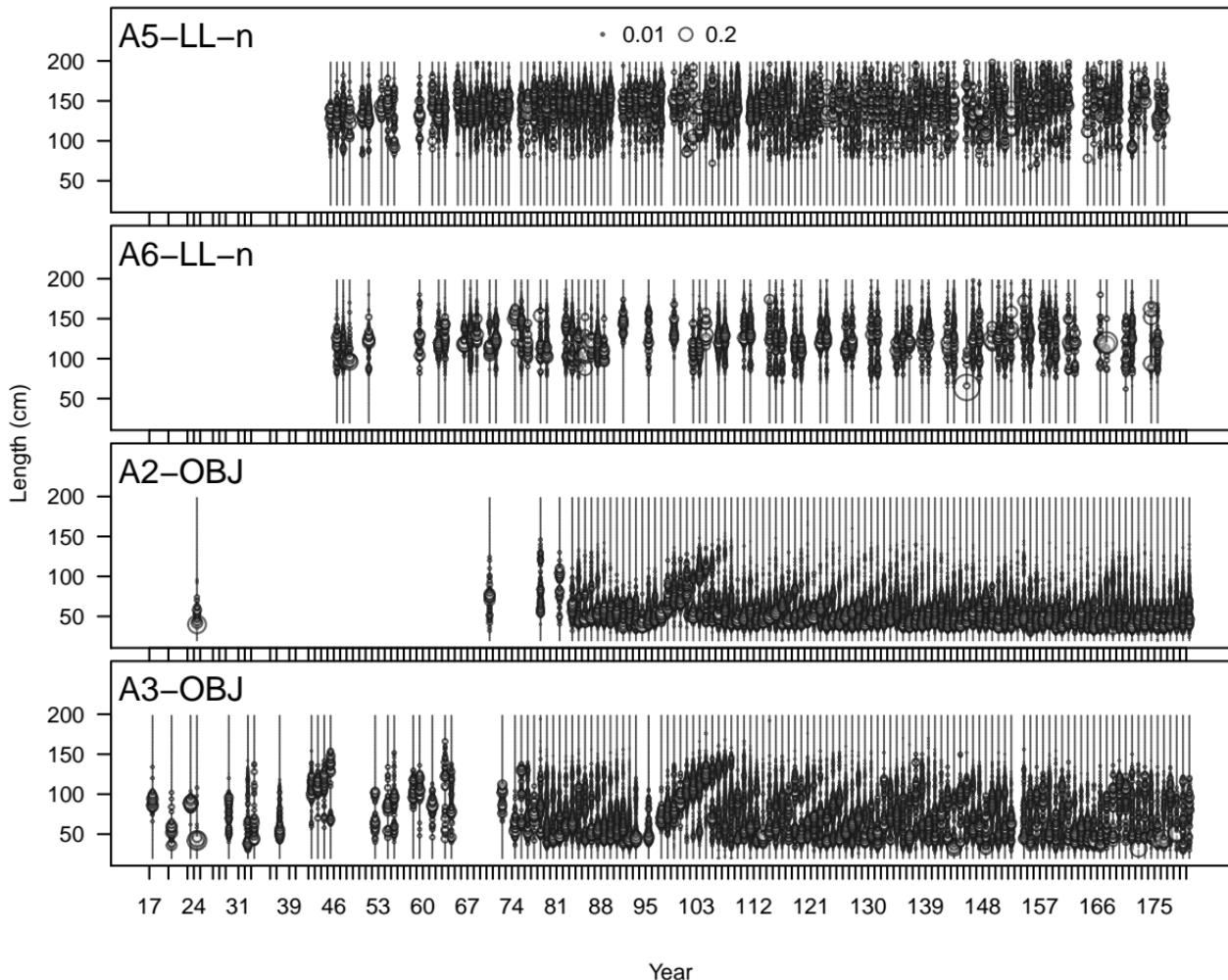


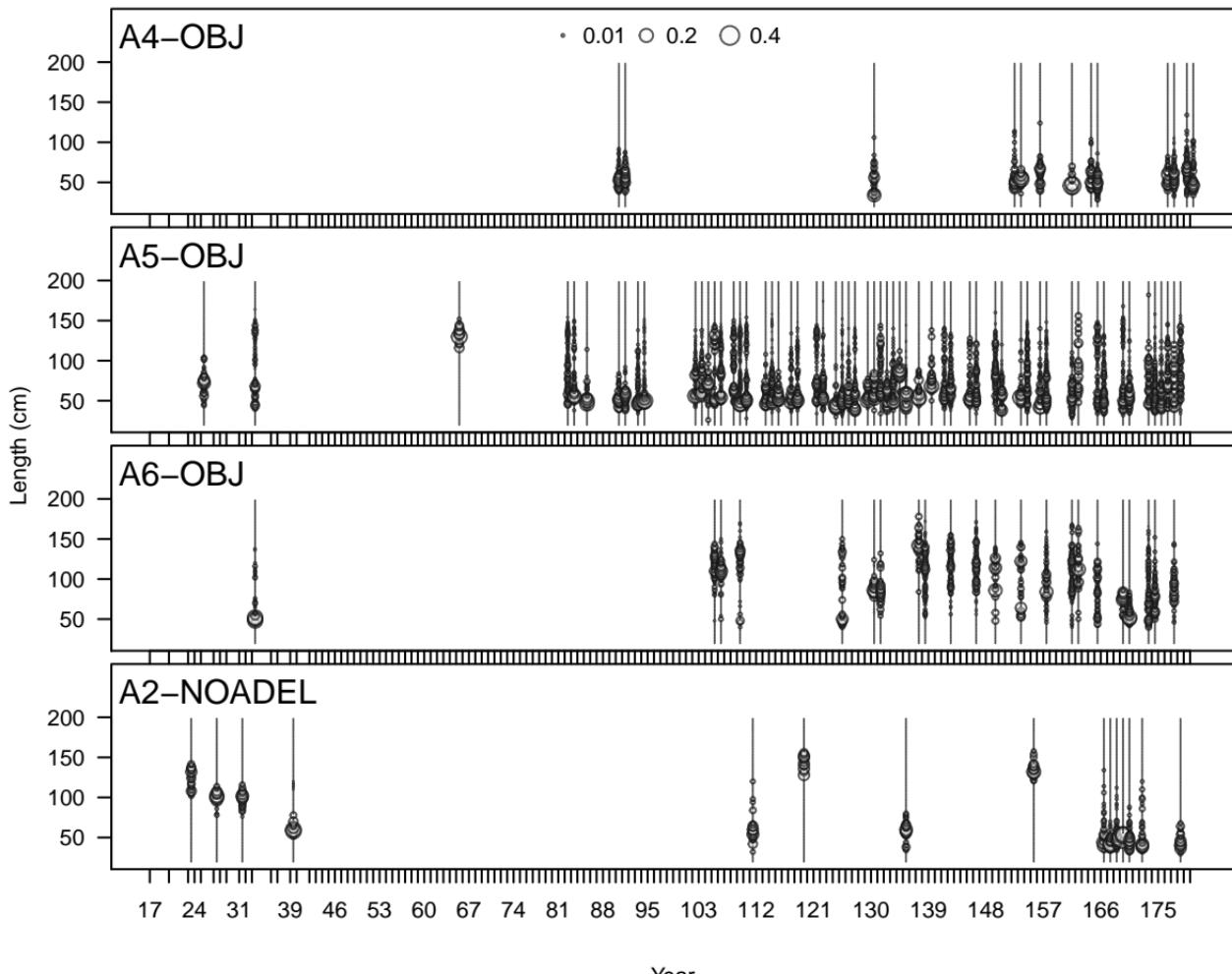
A5–NOADEL (whole catch)

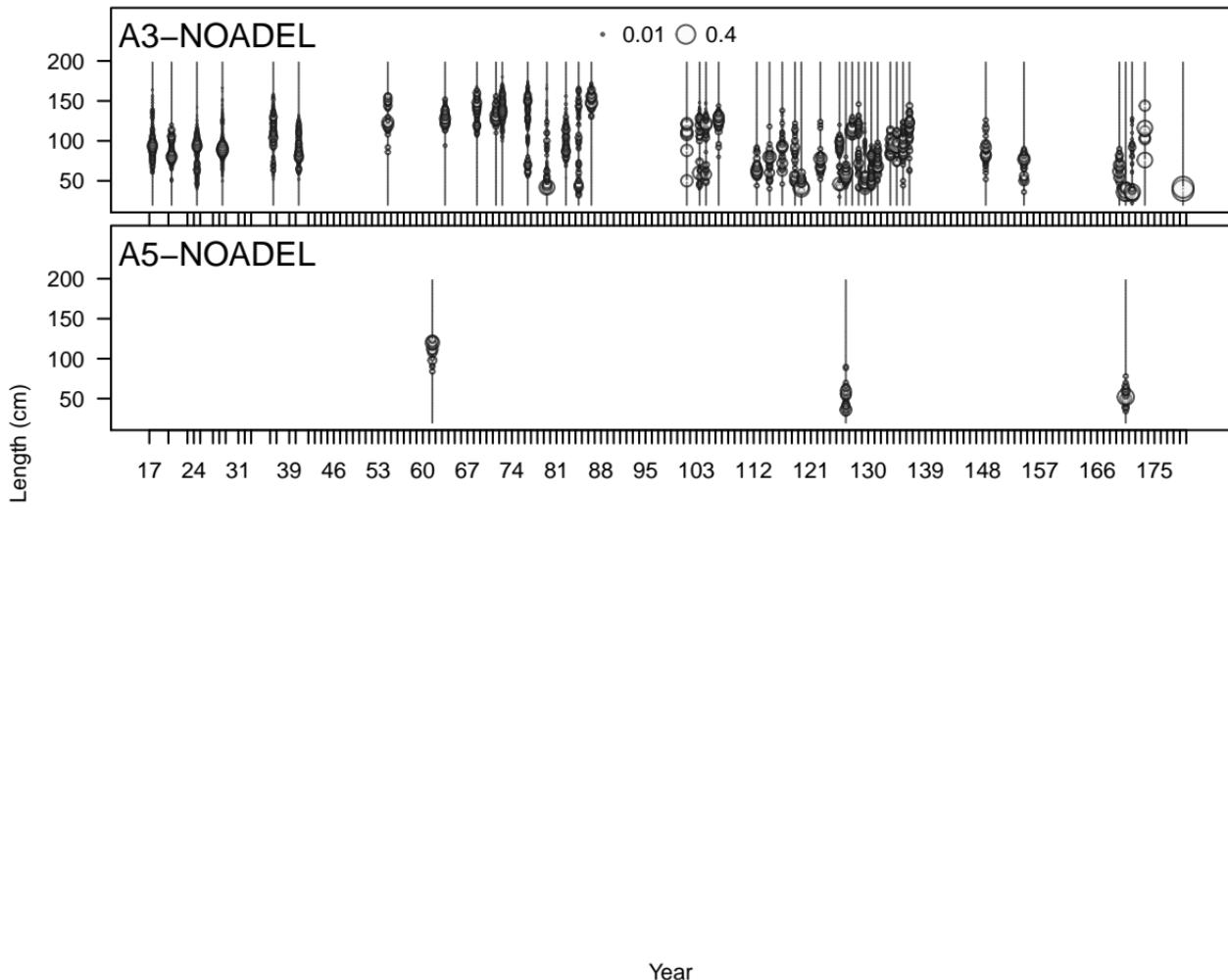




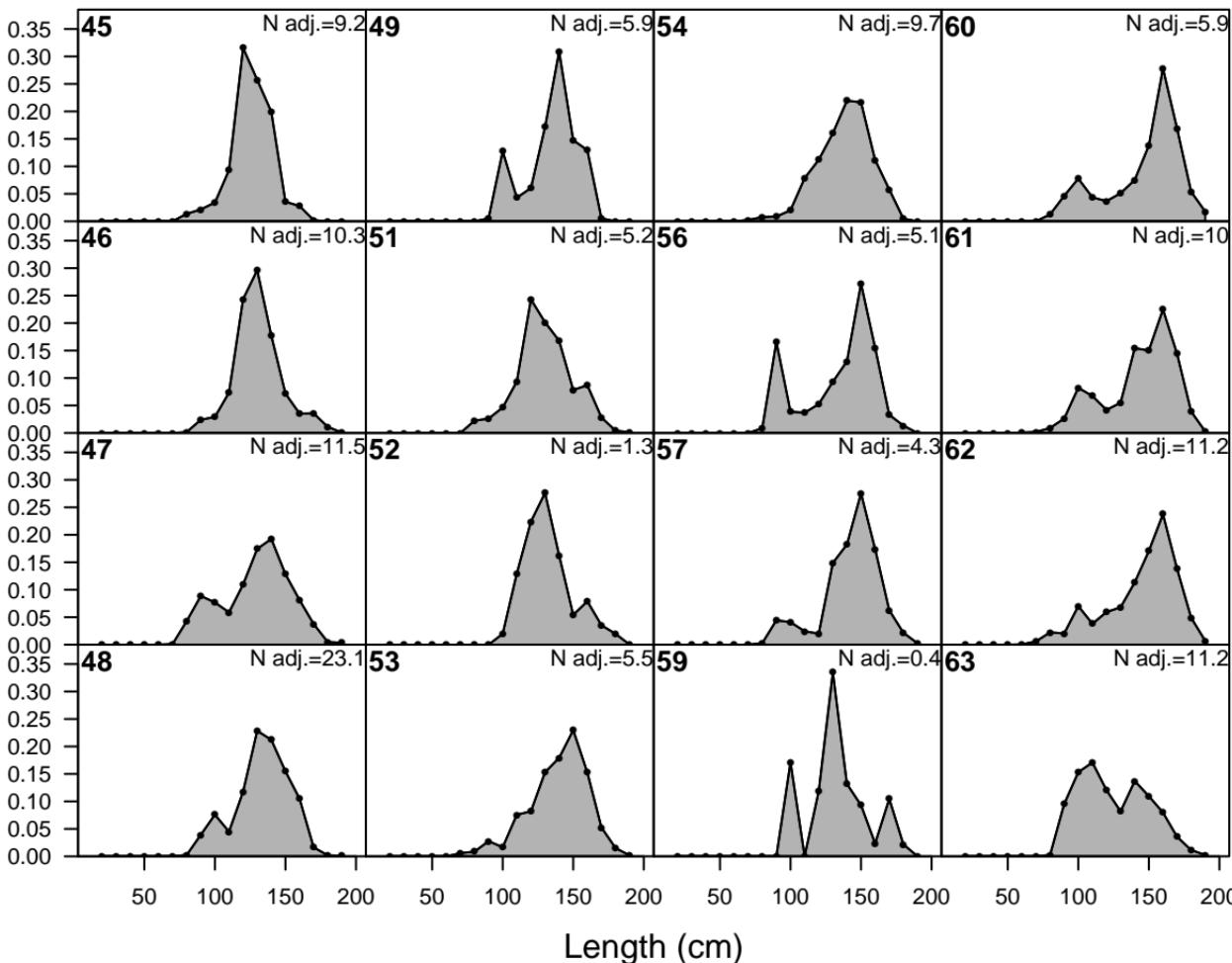




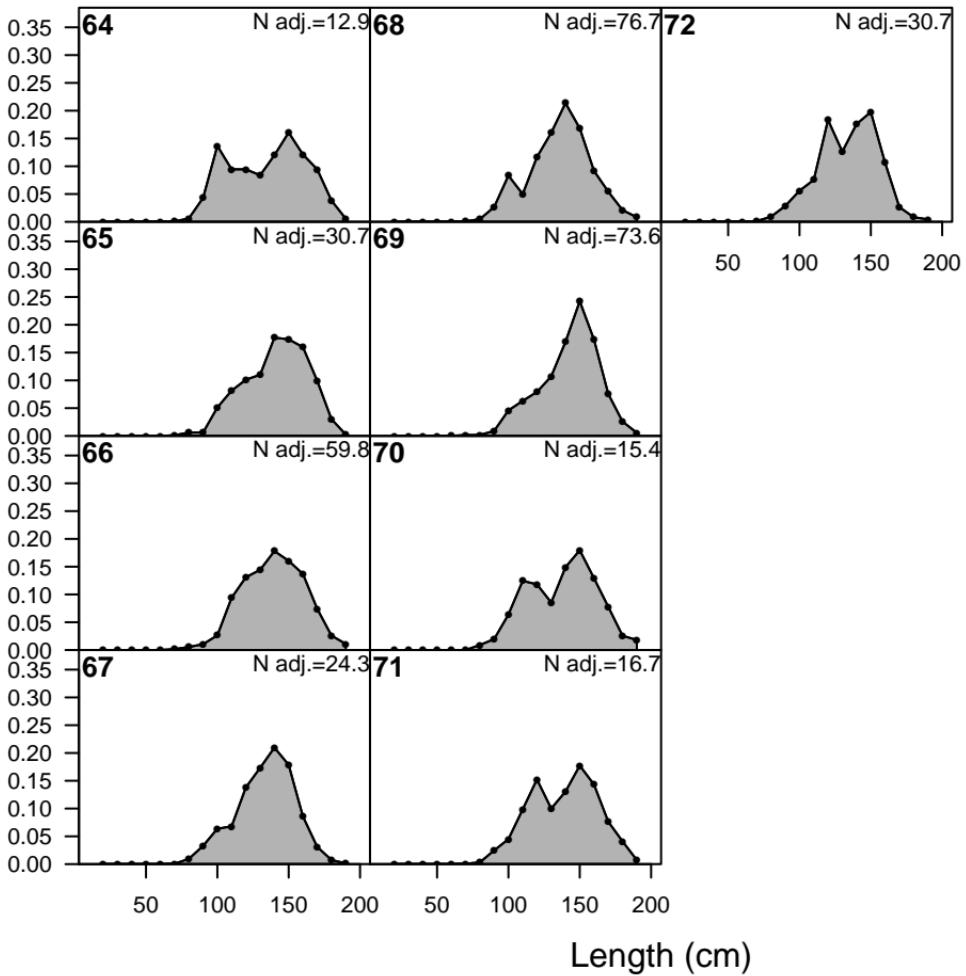


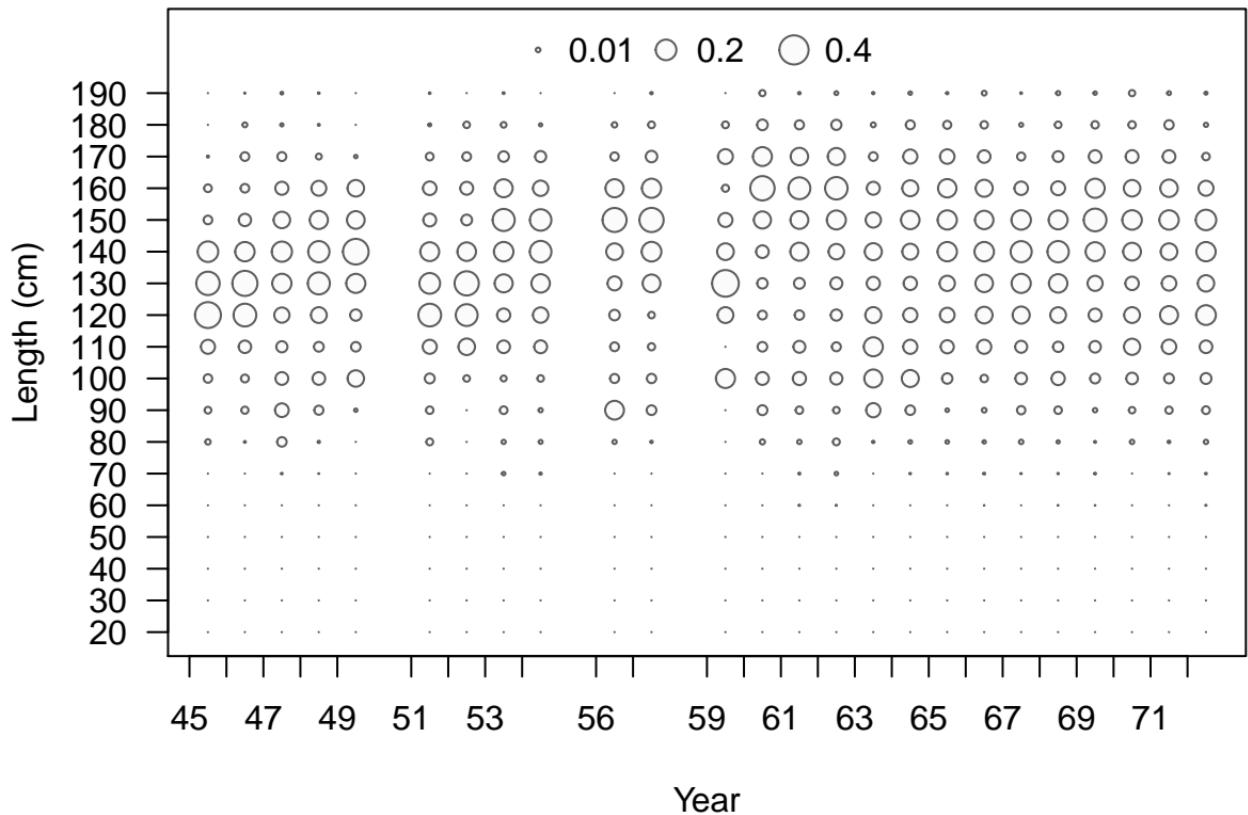


Proportion

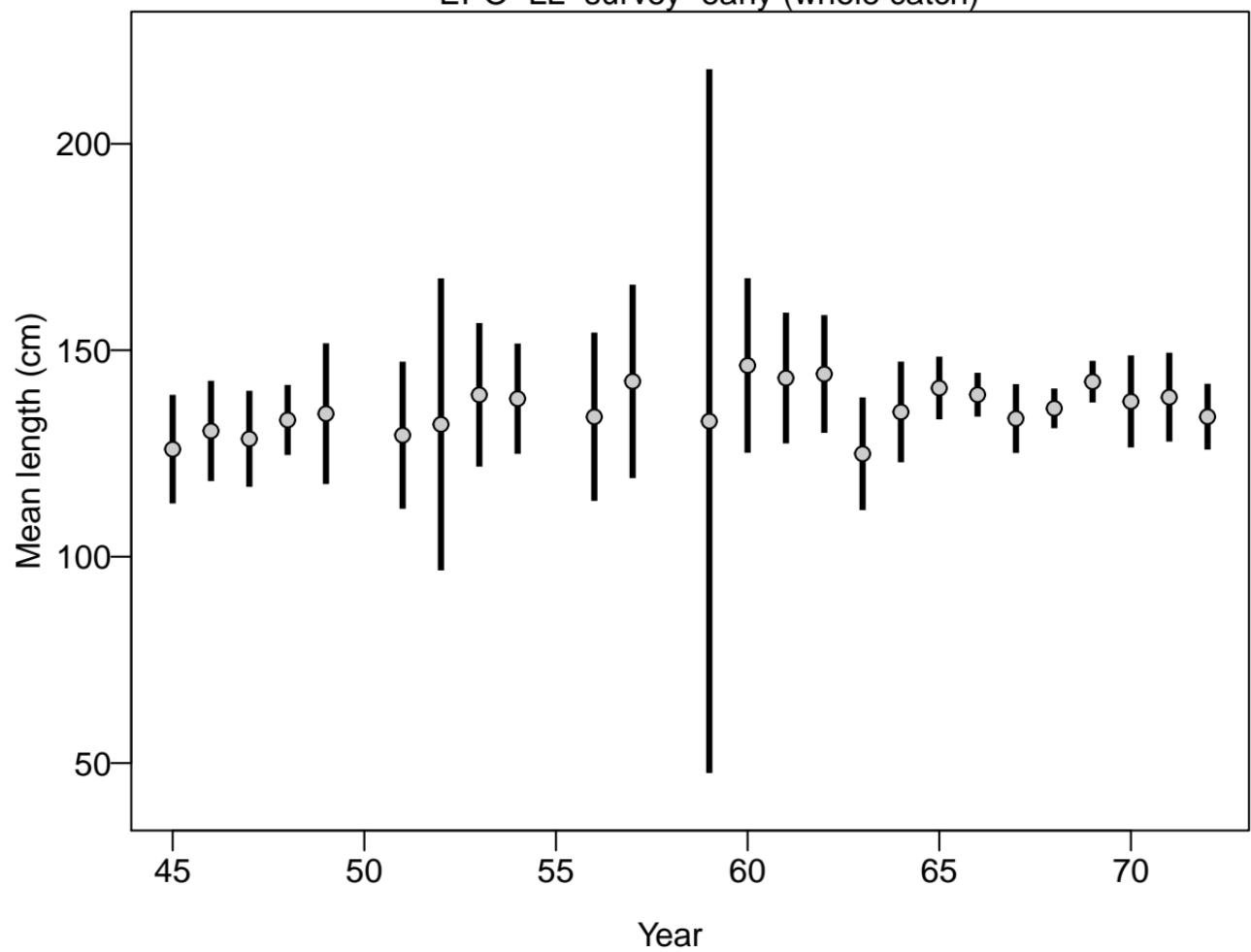


Proportion

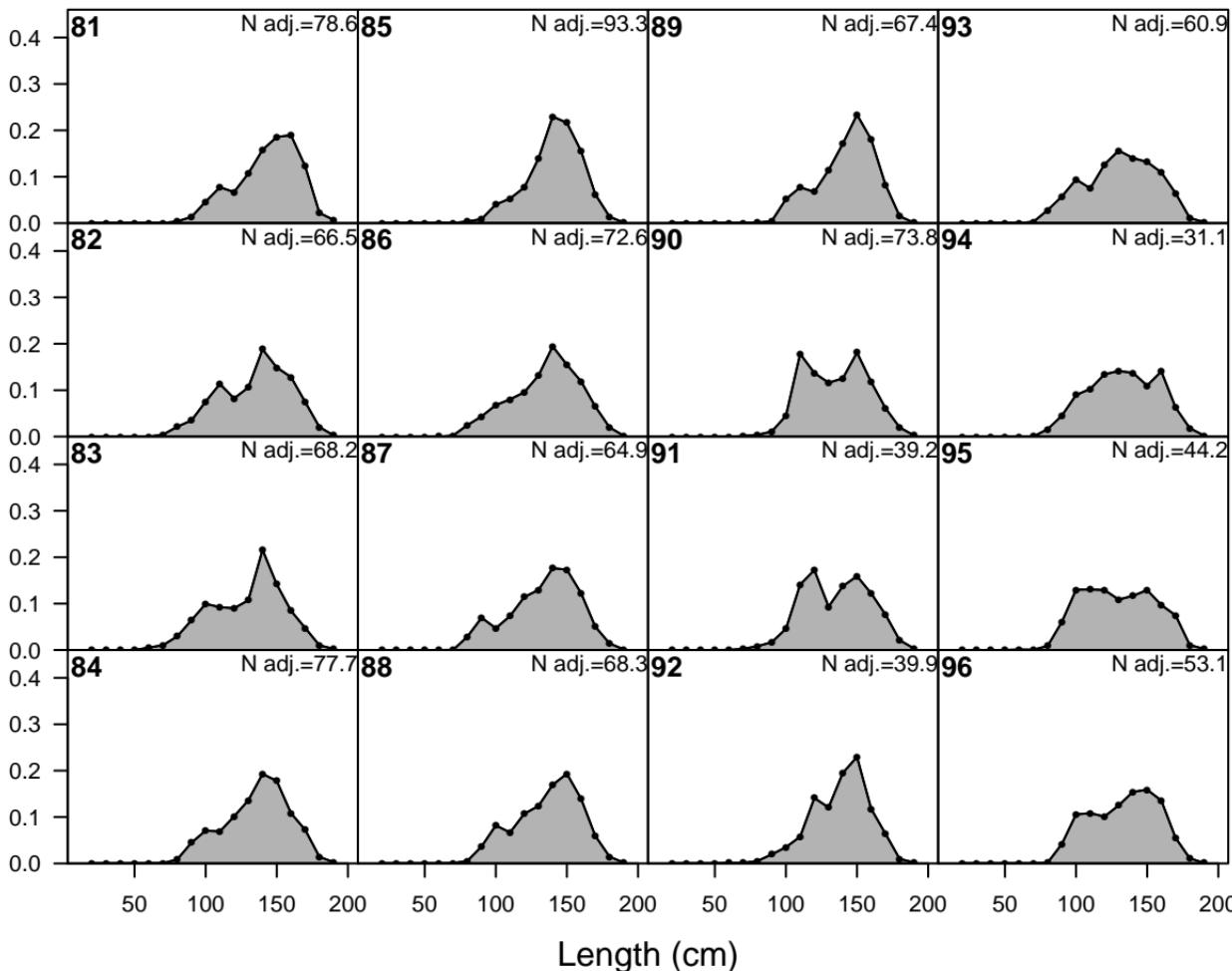




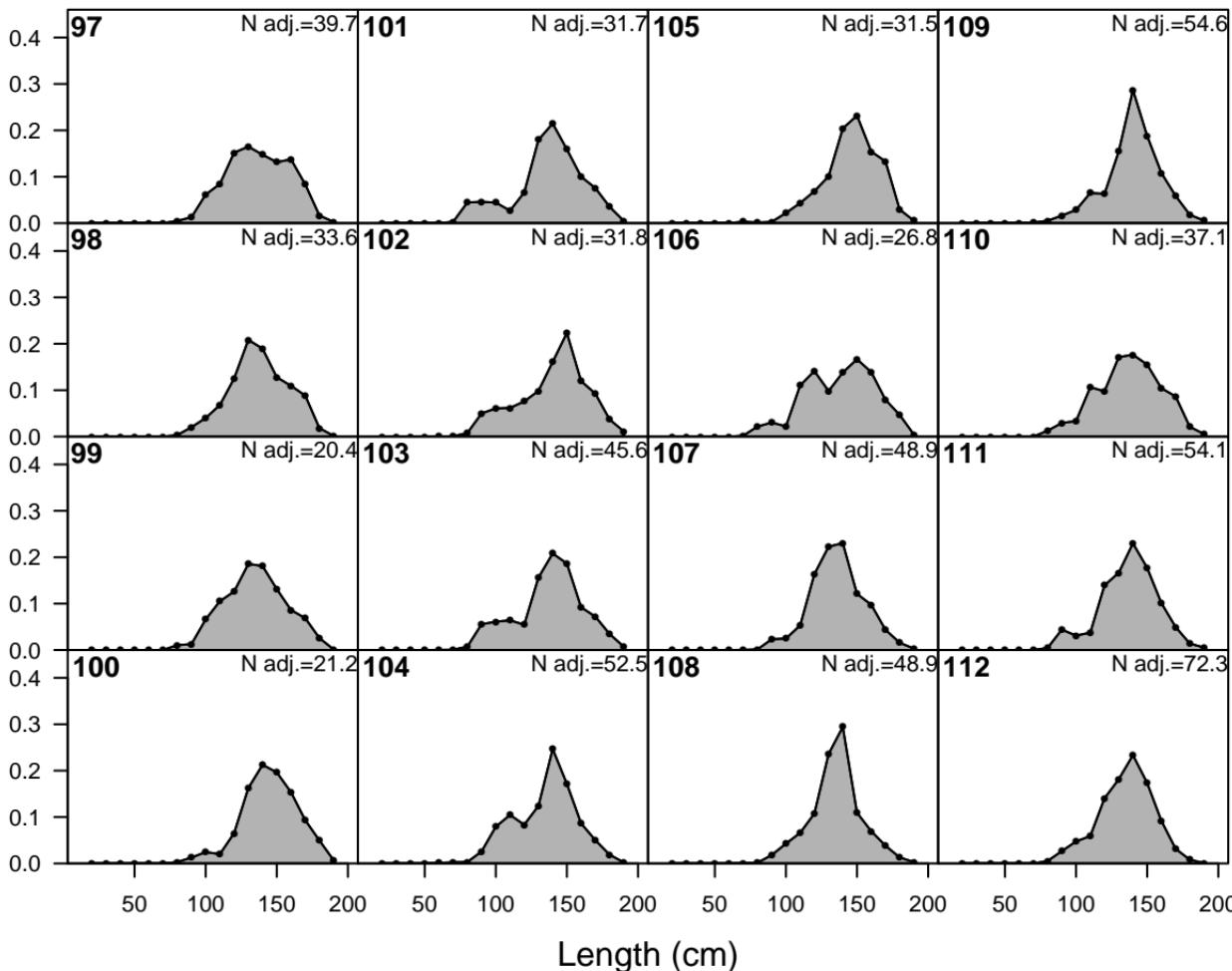
EPO-LL-survey-early (whole catch)



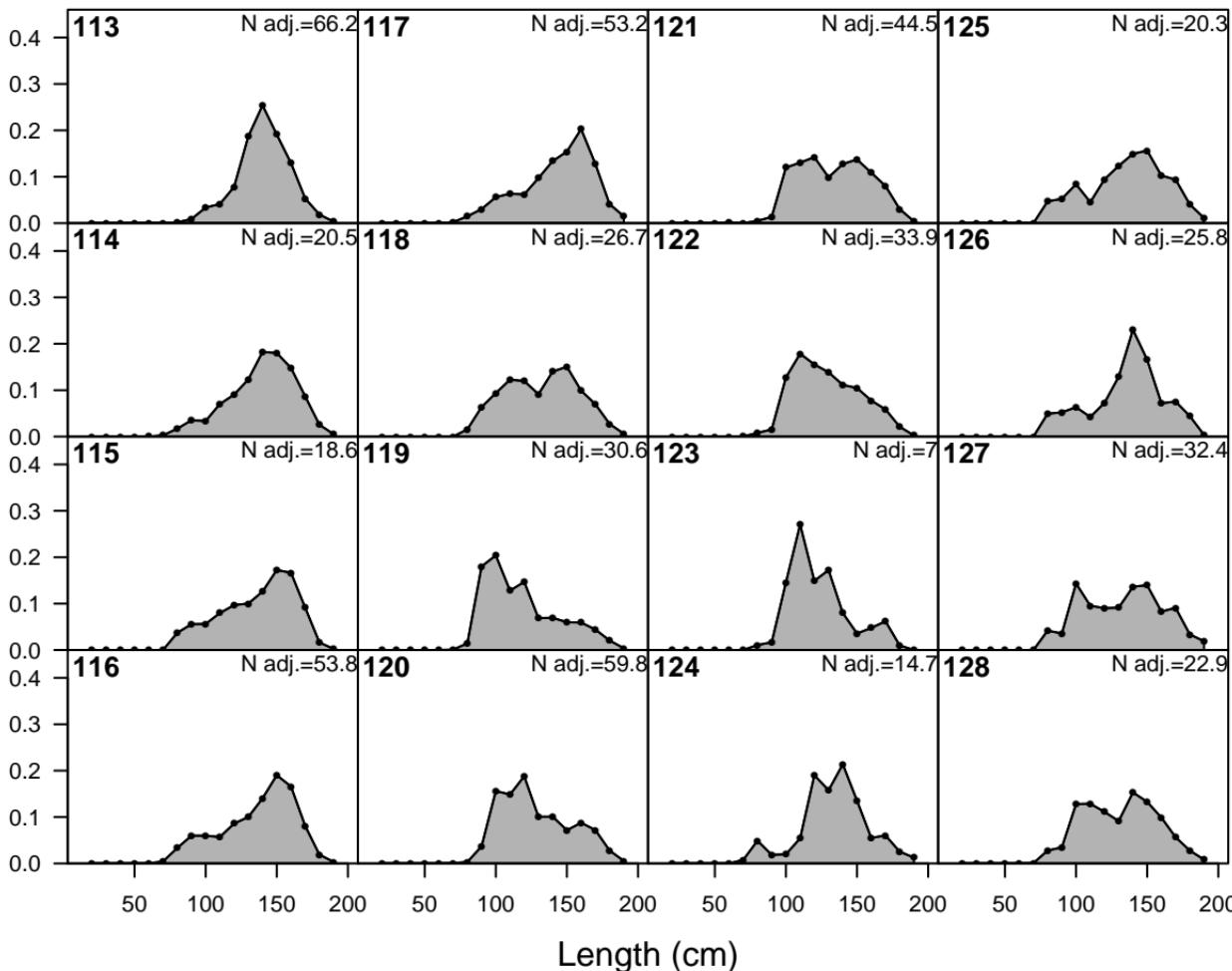
Proportion



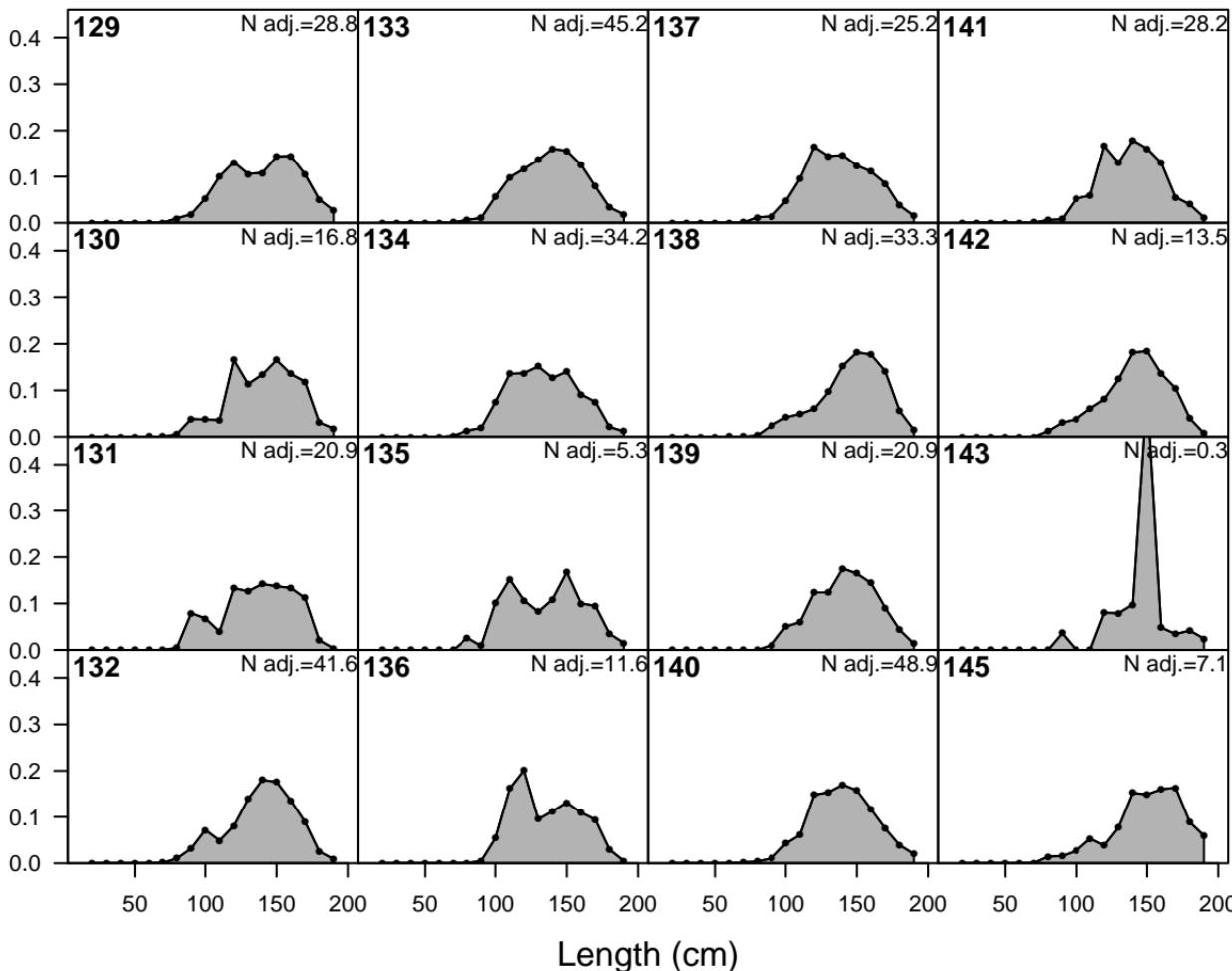
Proportion



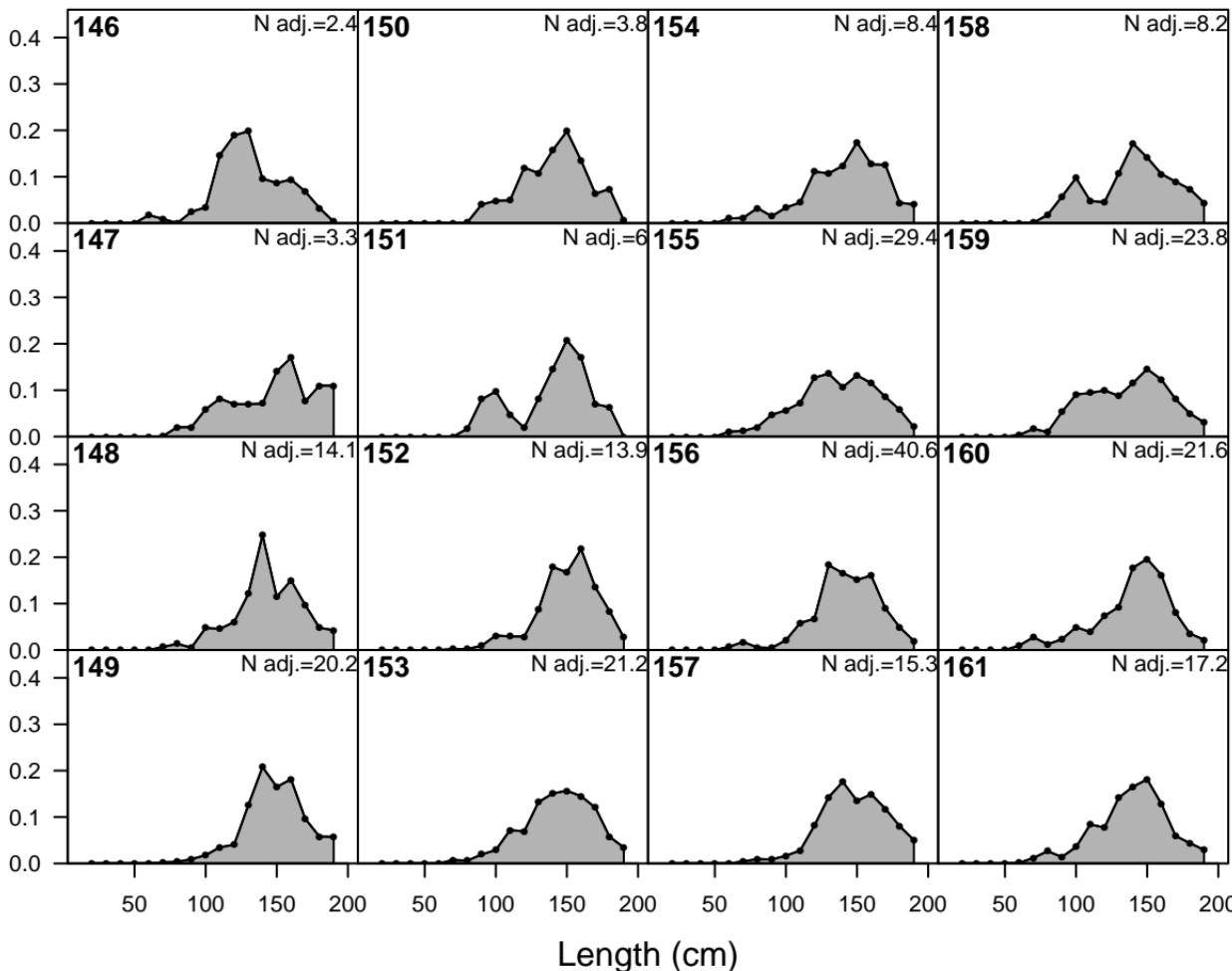
Proportion



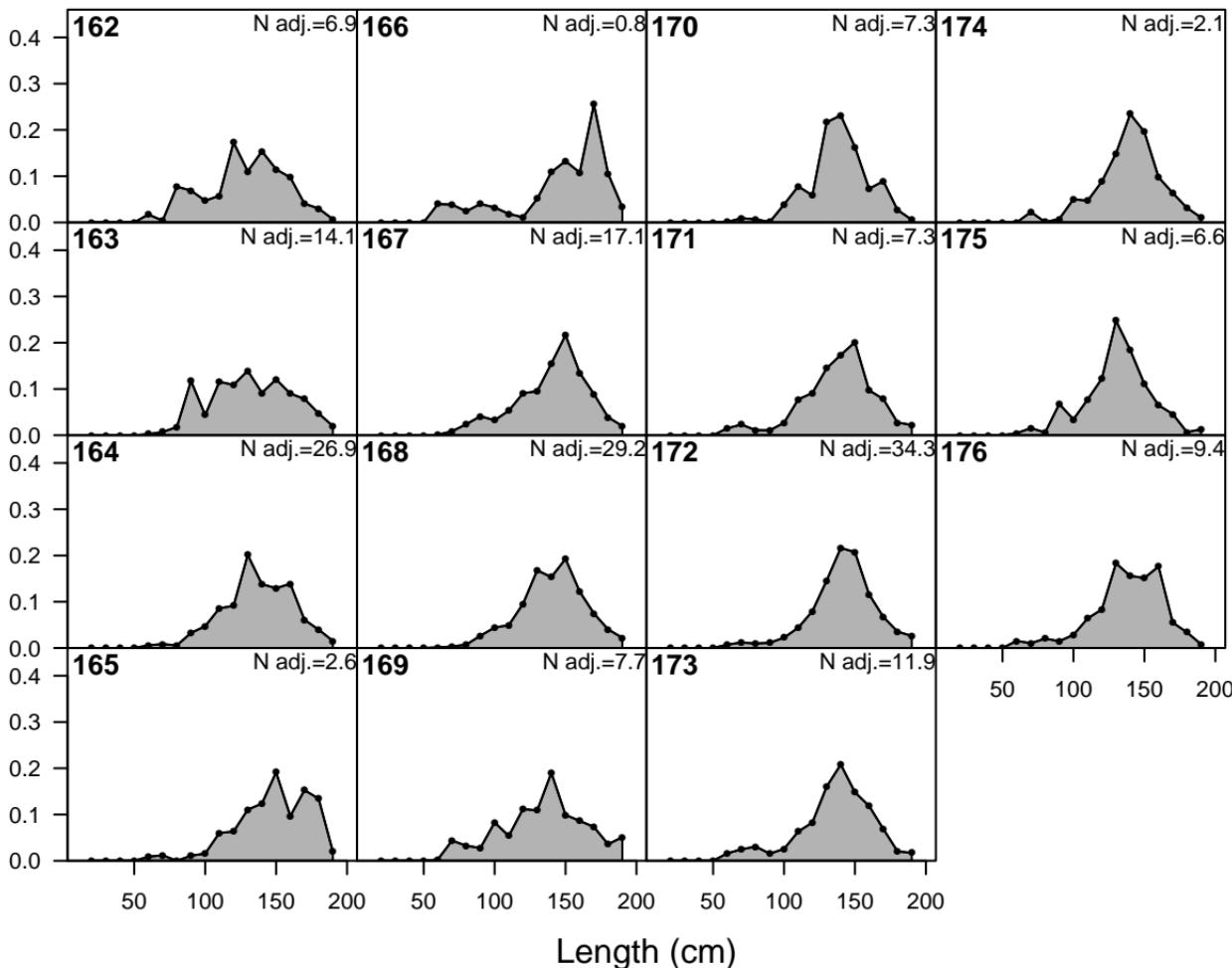
Proportion

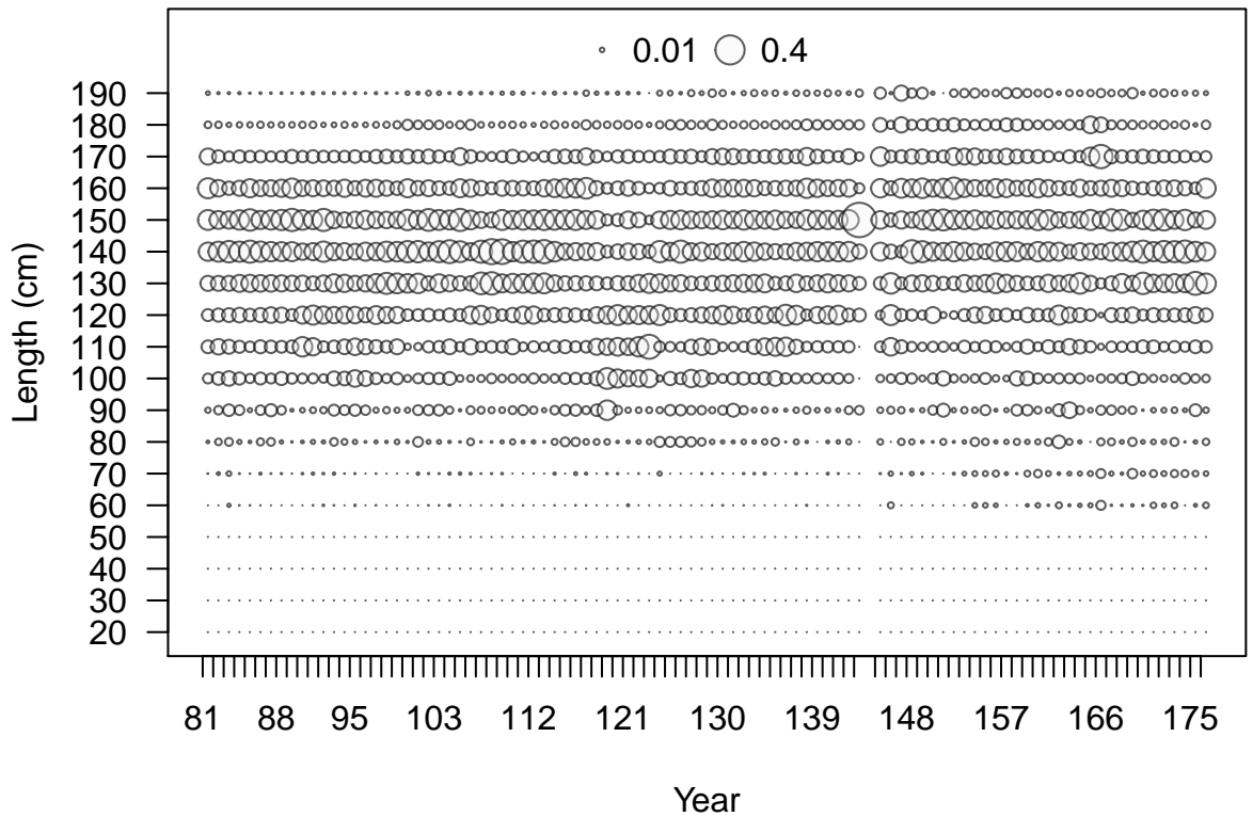


Proportion

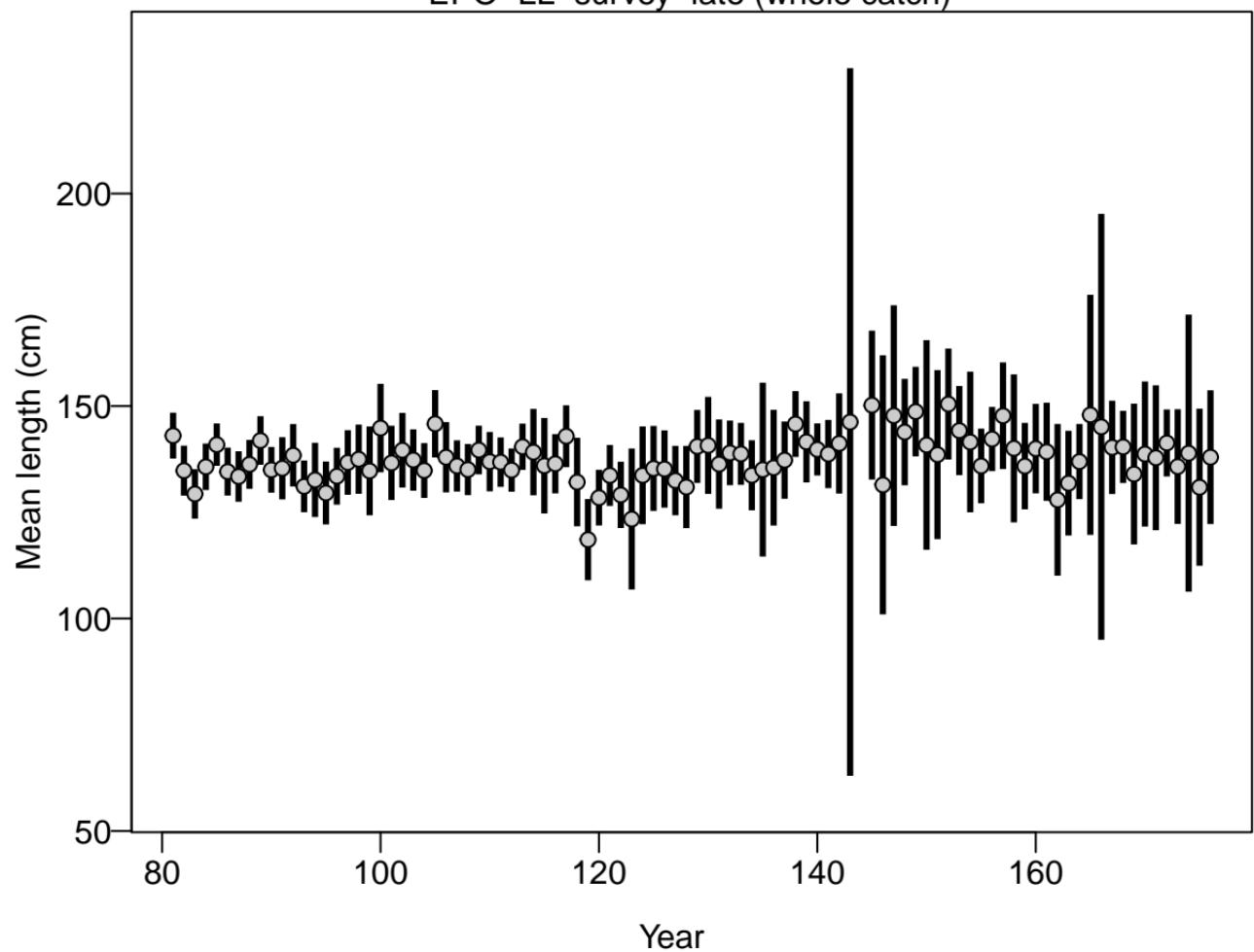


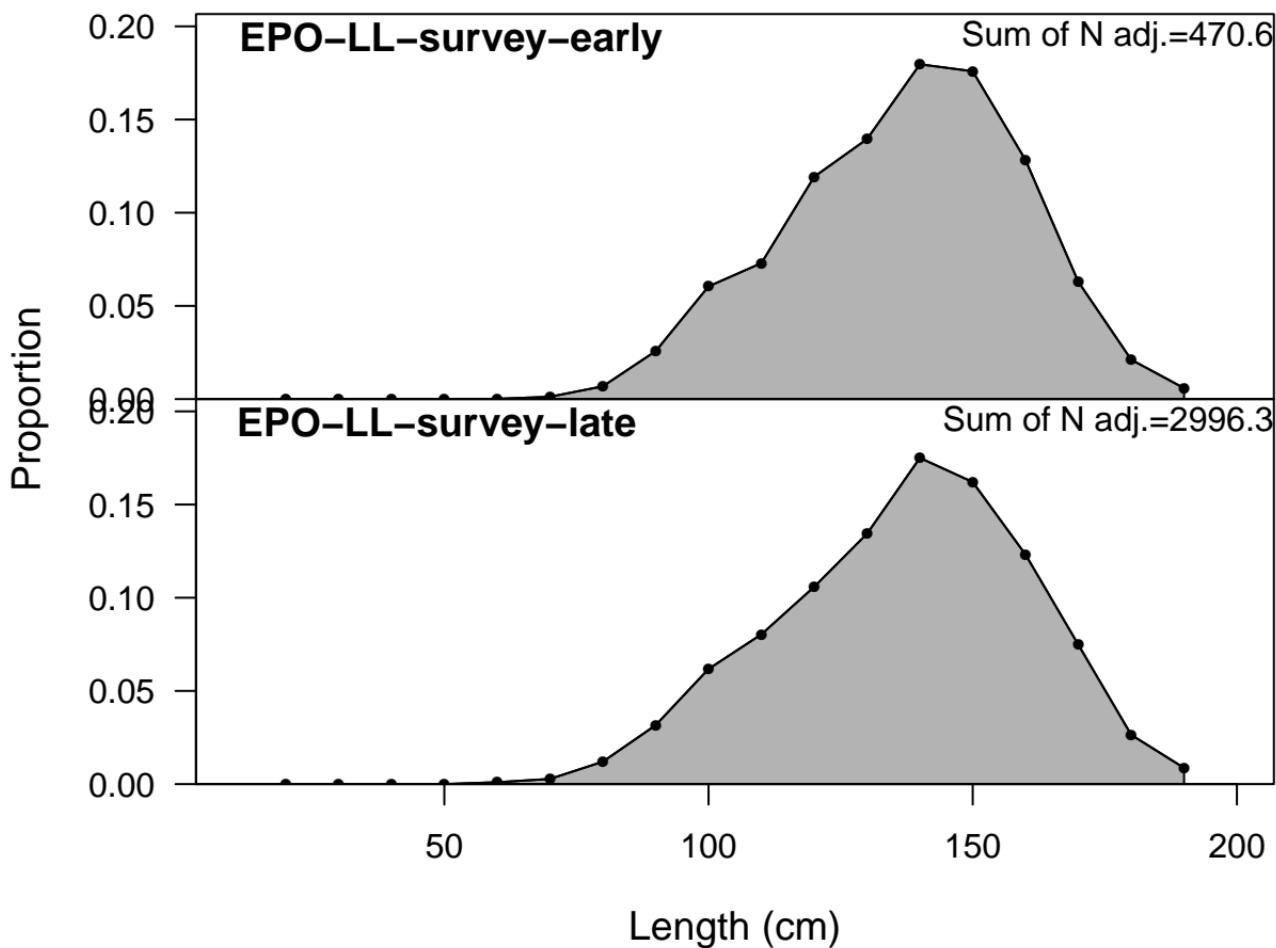
Proportion

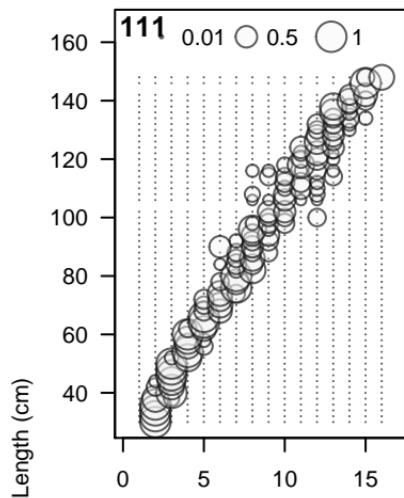


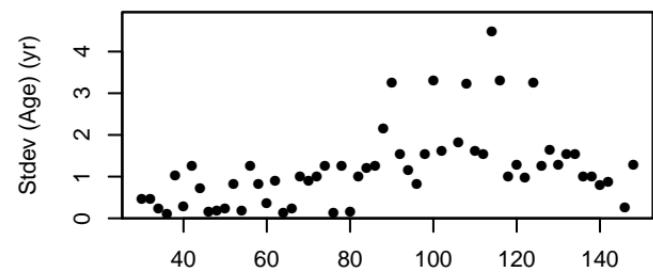
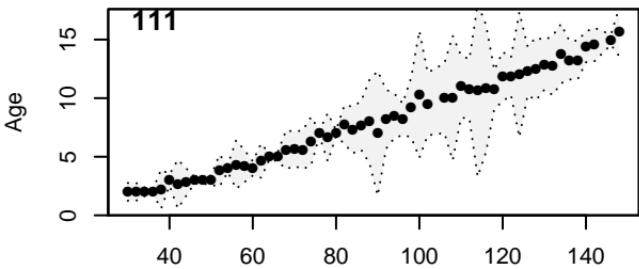


EPO-LL-survey-late (whole catch)



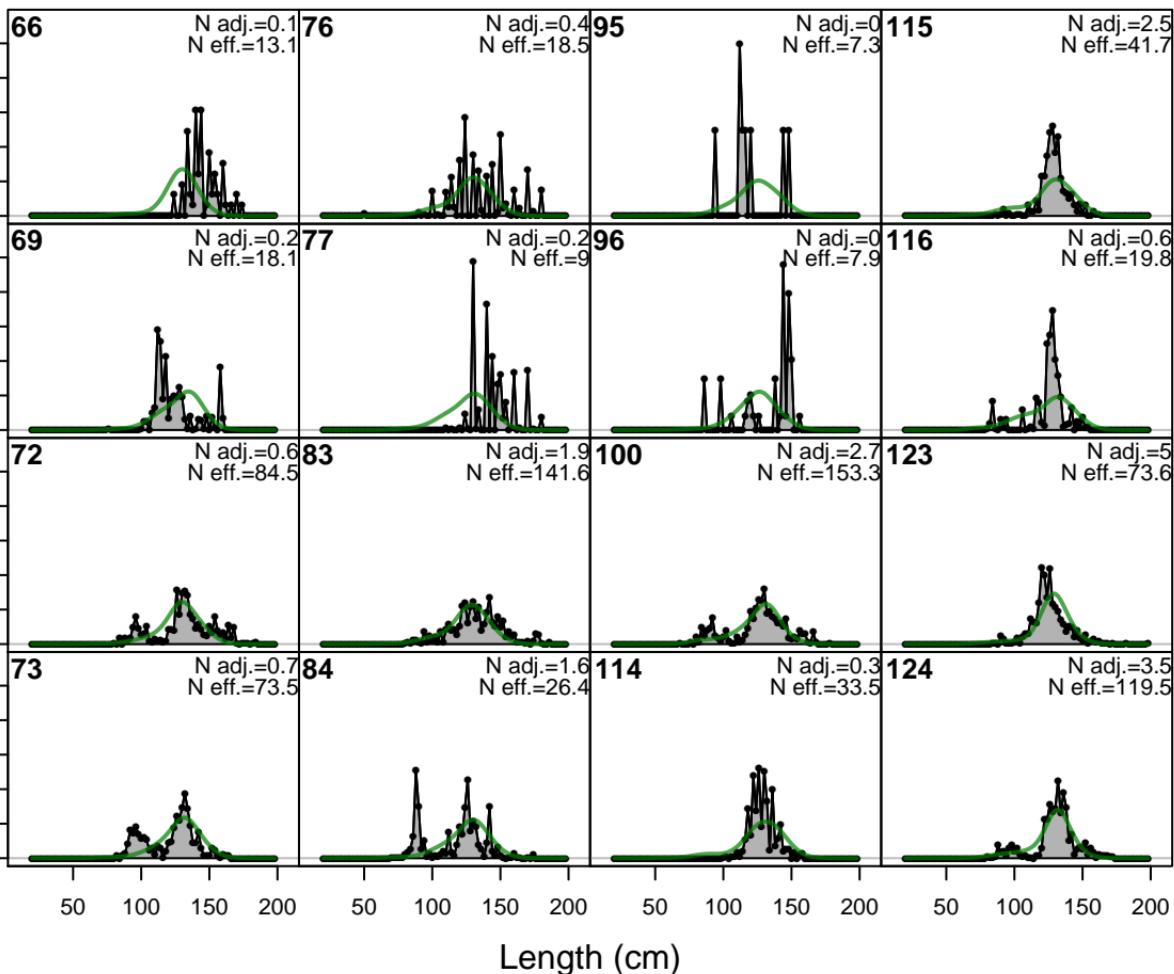




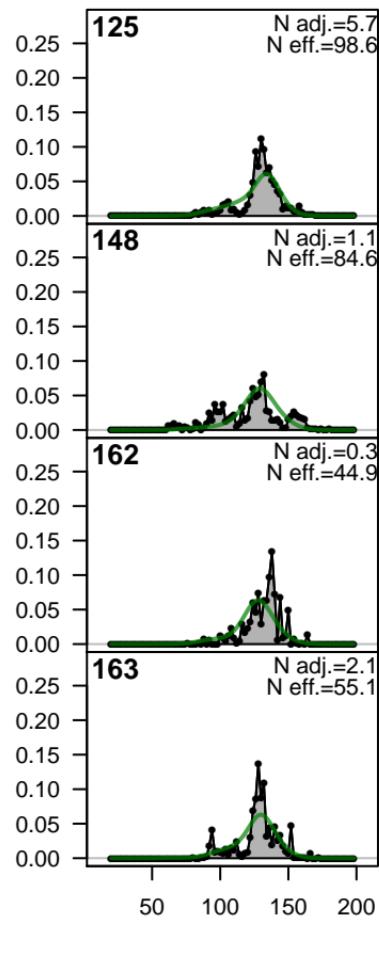


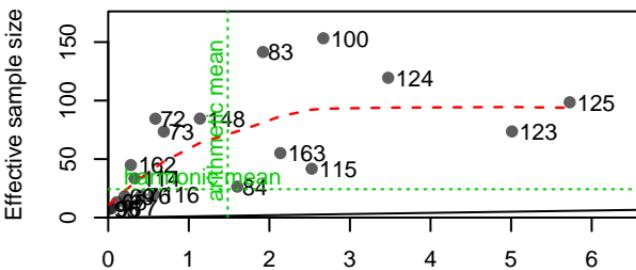
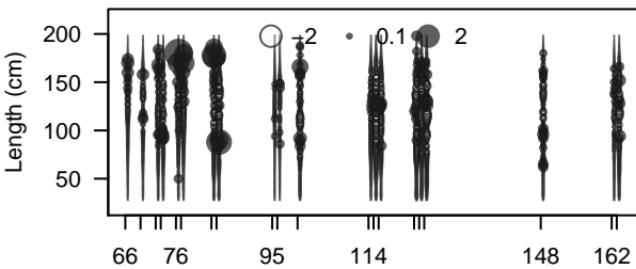
Length (cm)

Proportion

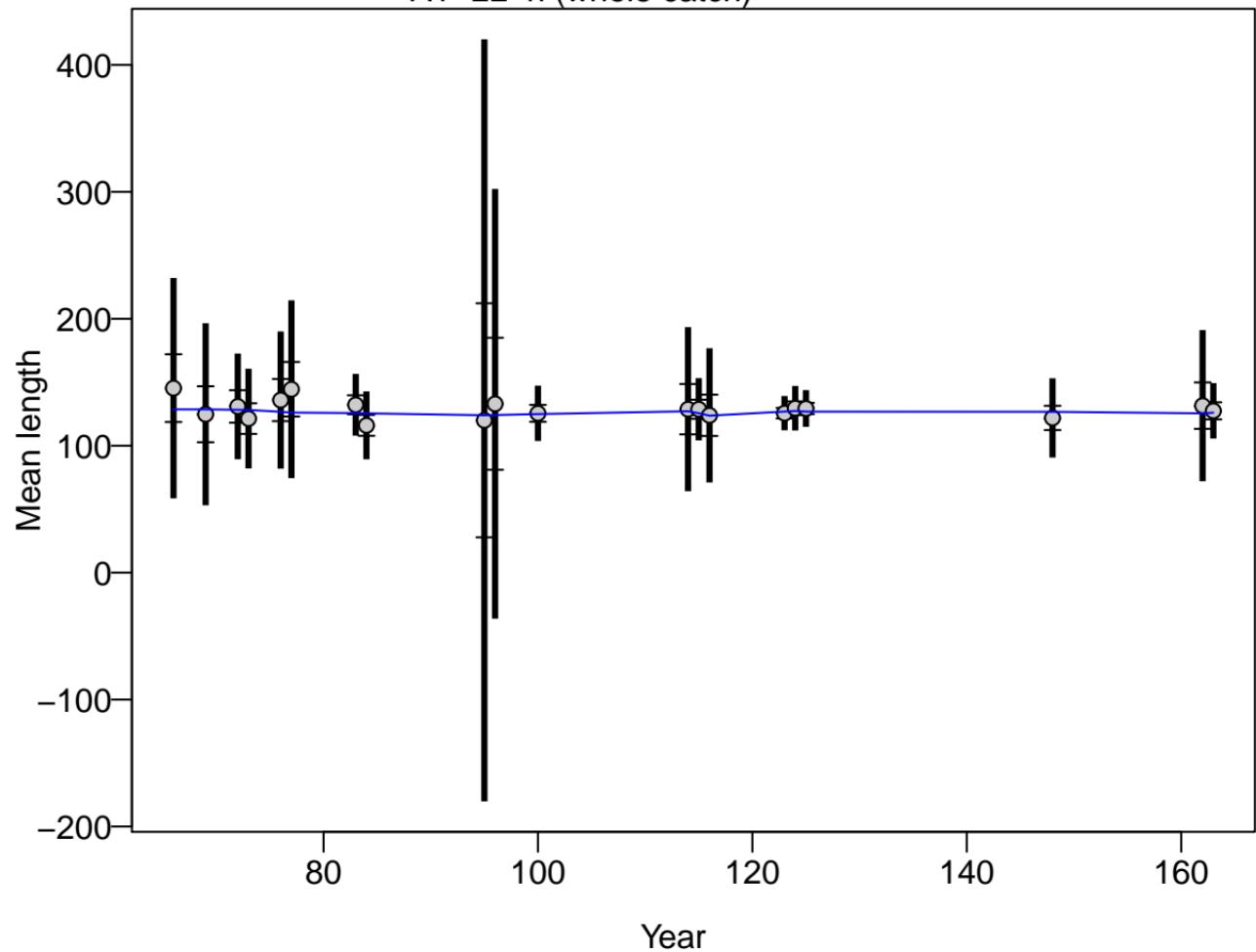


Proportion

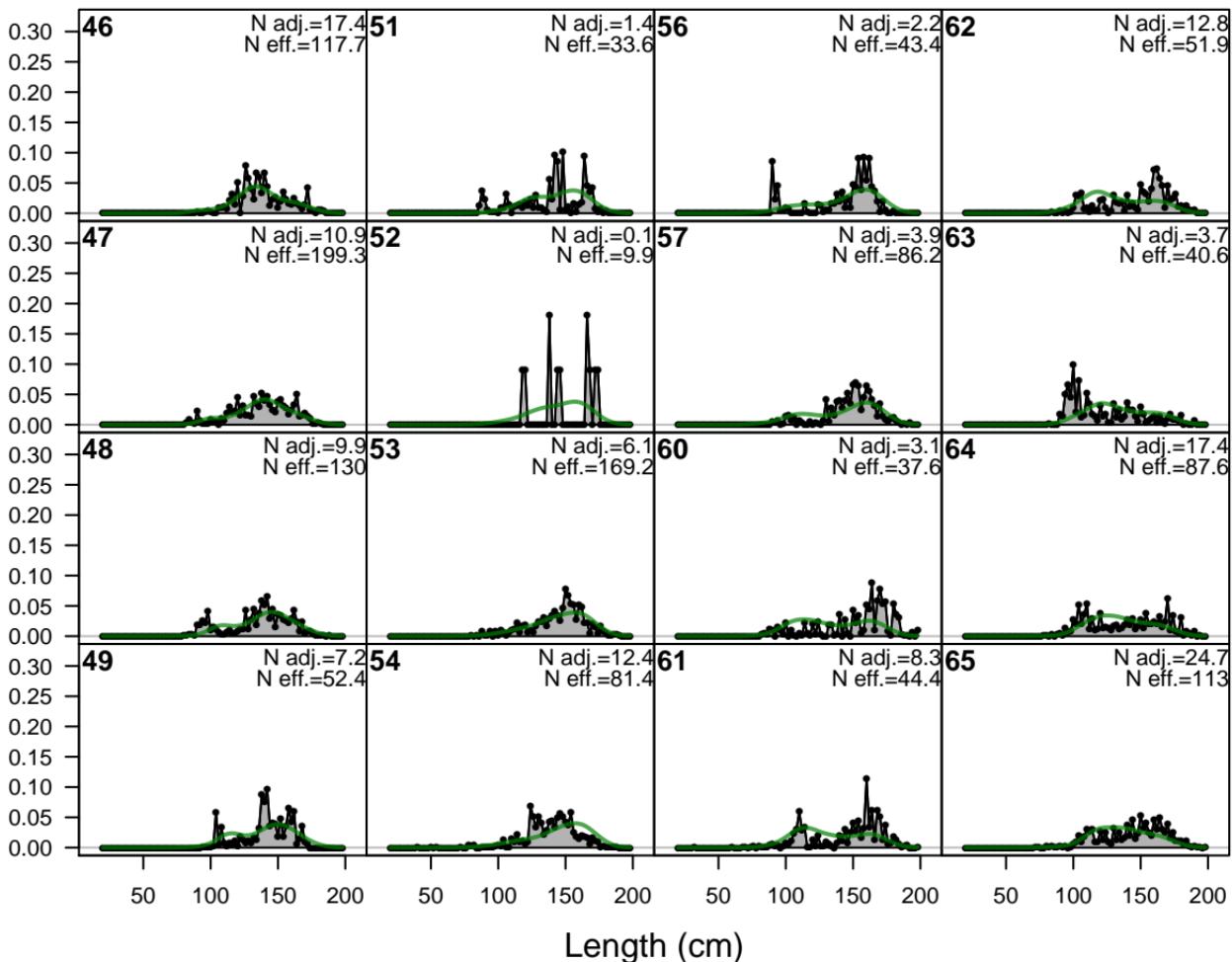




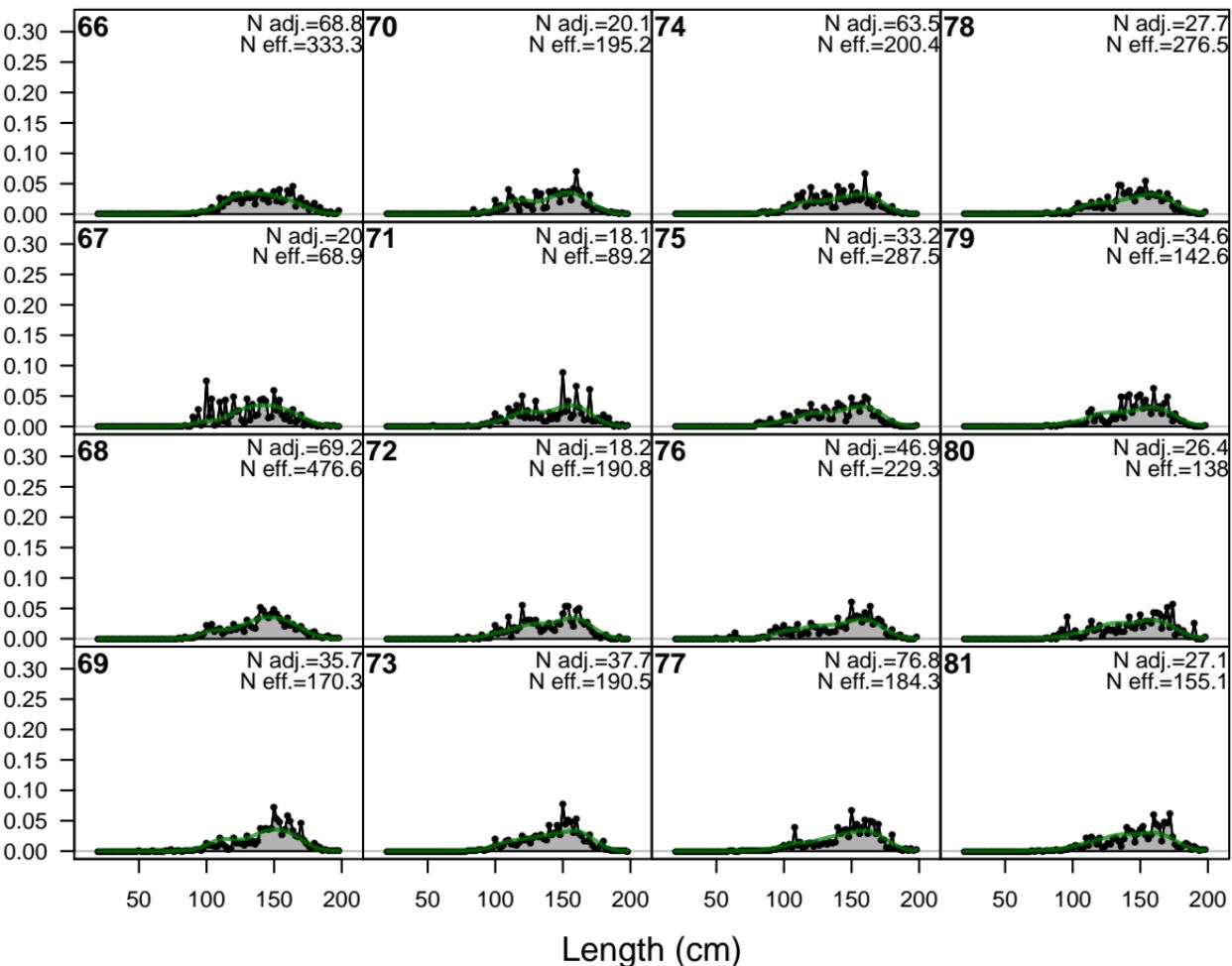
A1-LL-n (whole catch)



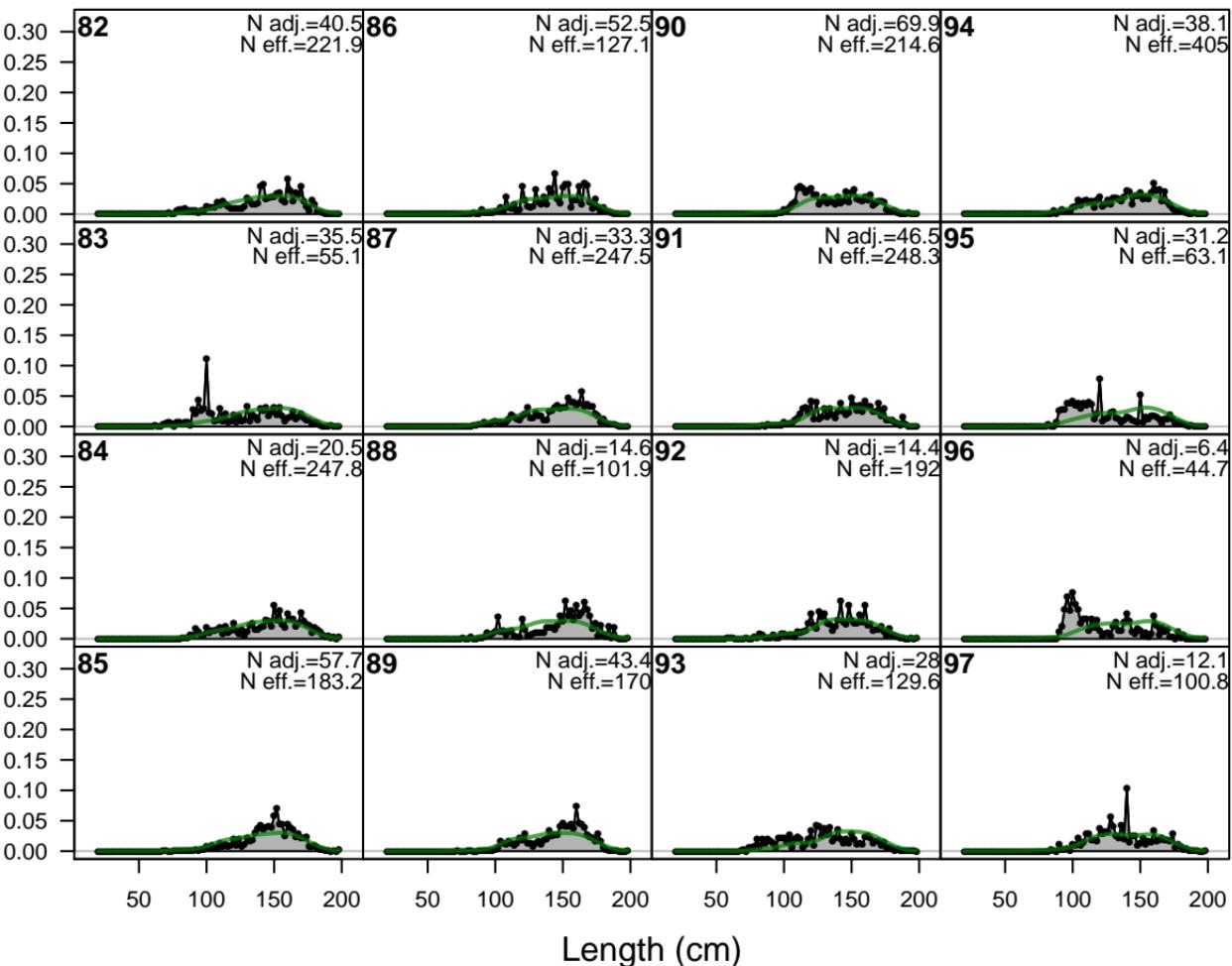
Proportion



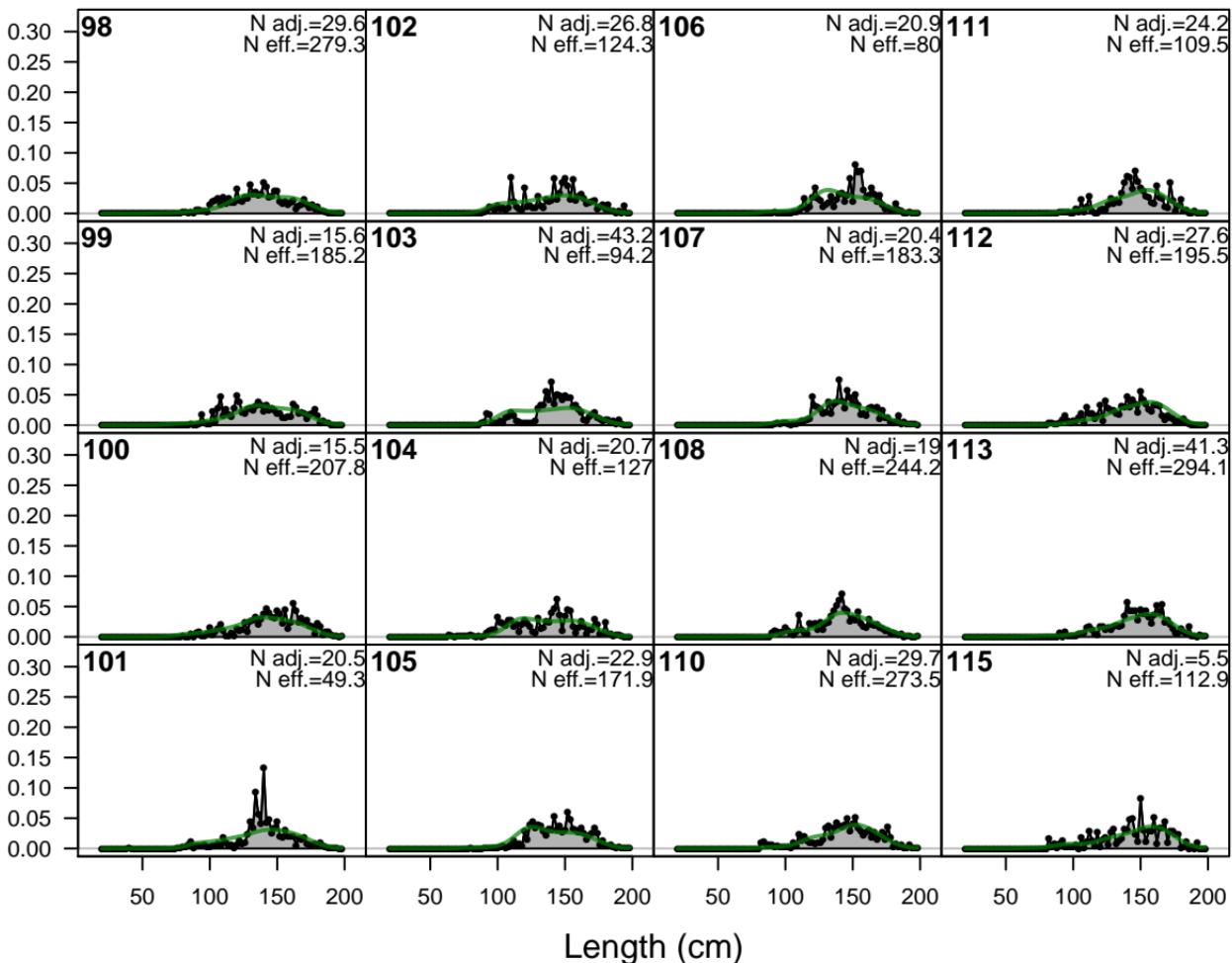
Proportion



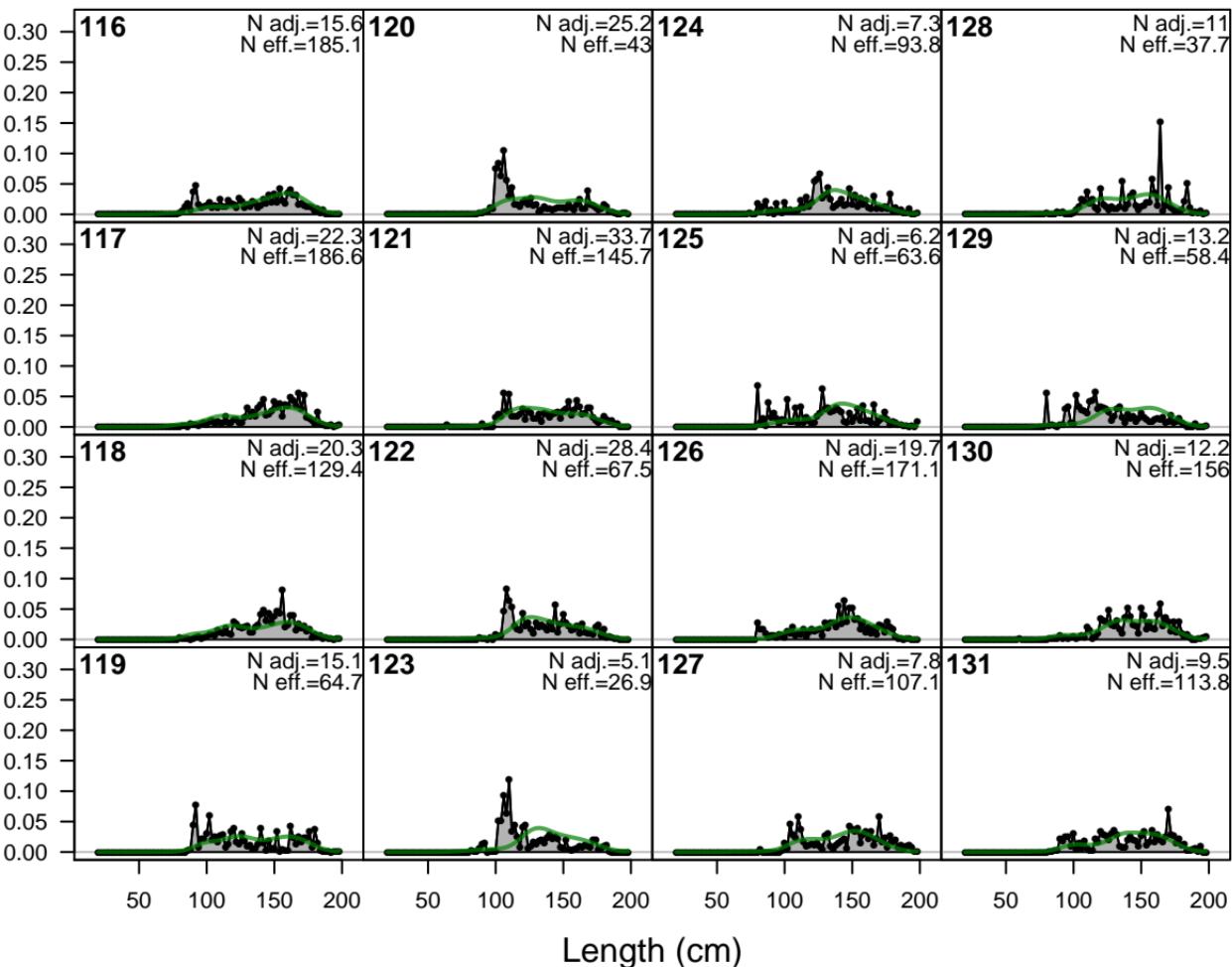
Proportion



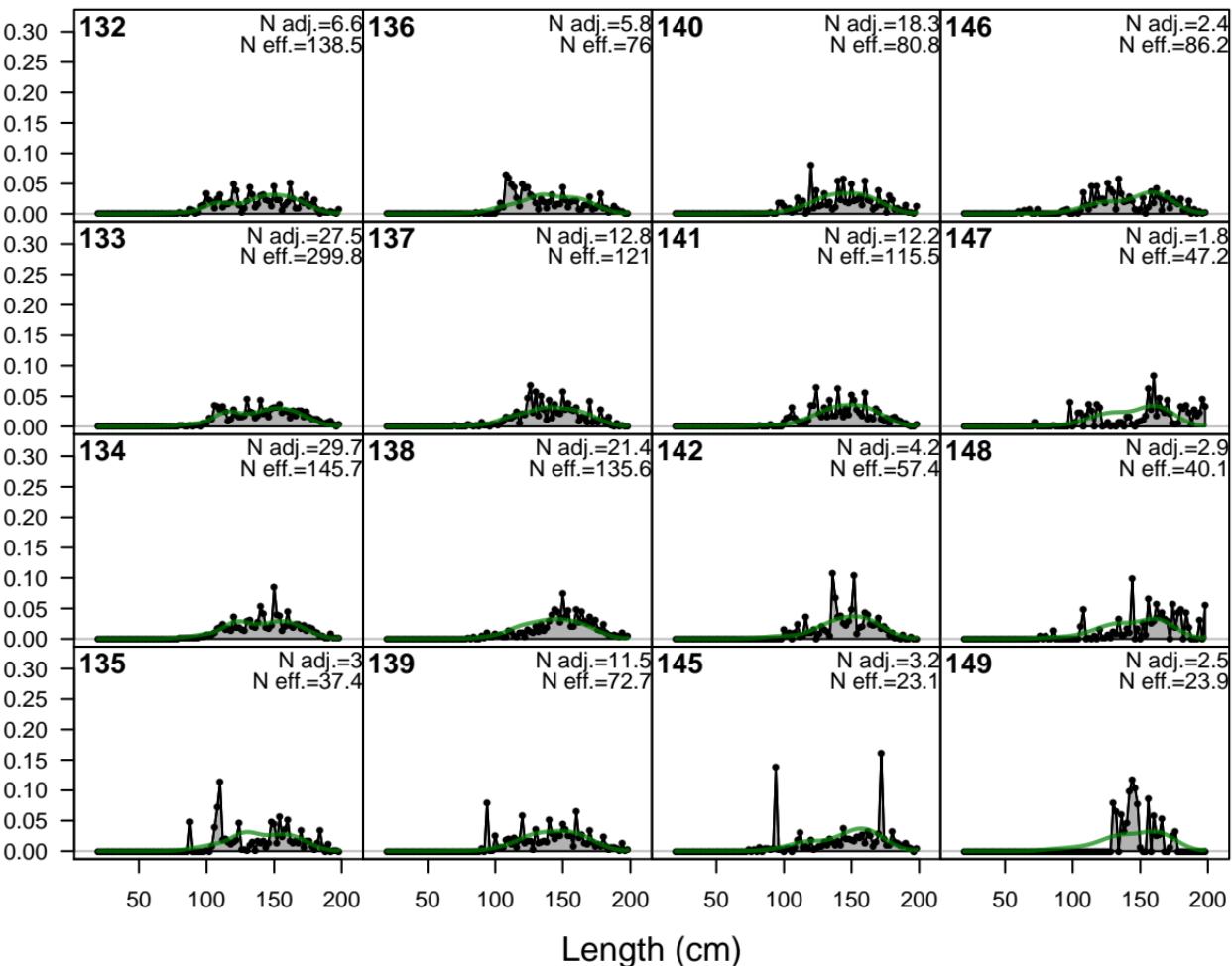
Proportion



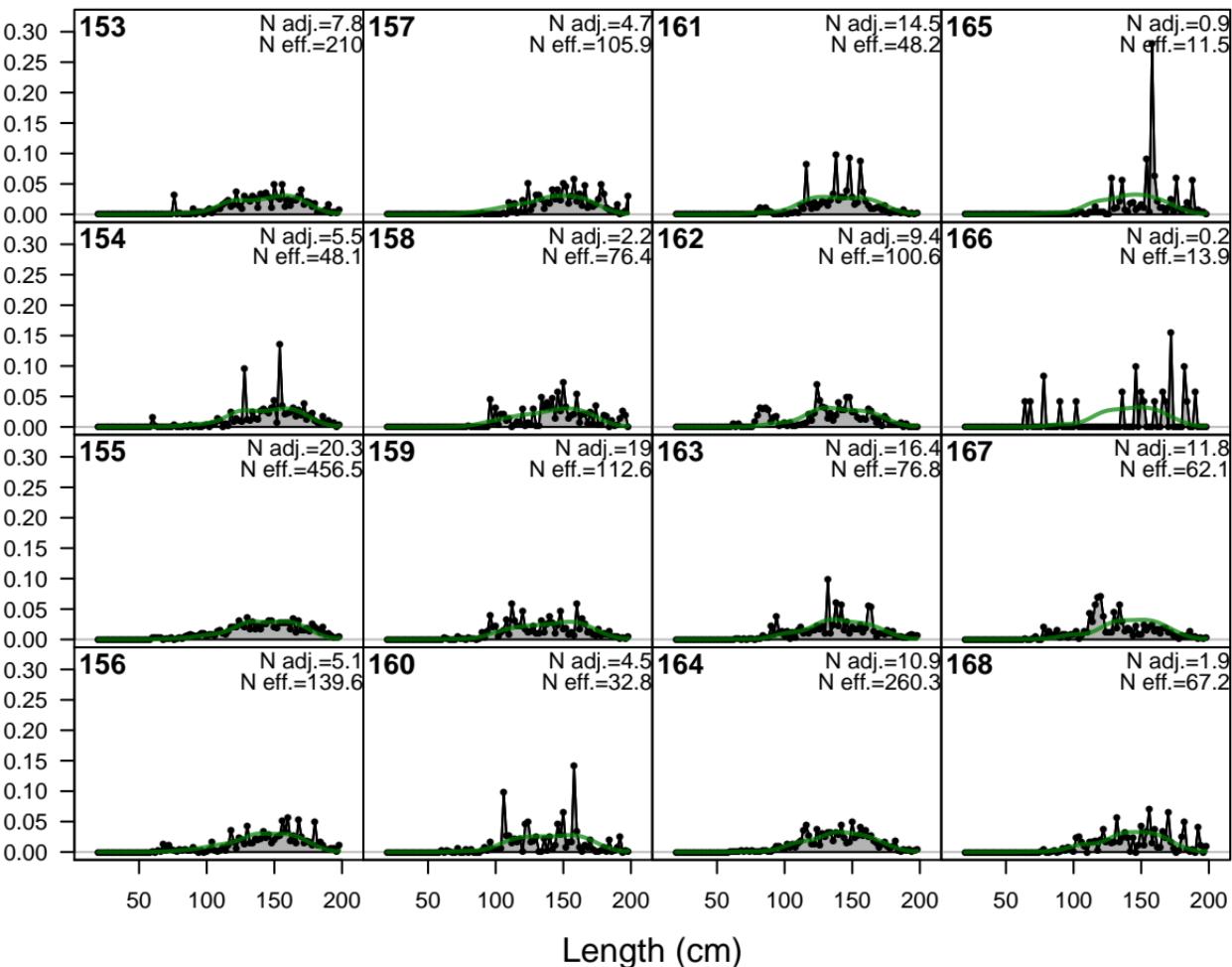
Proportion



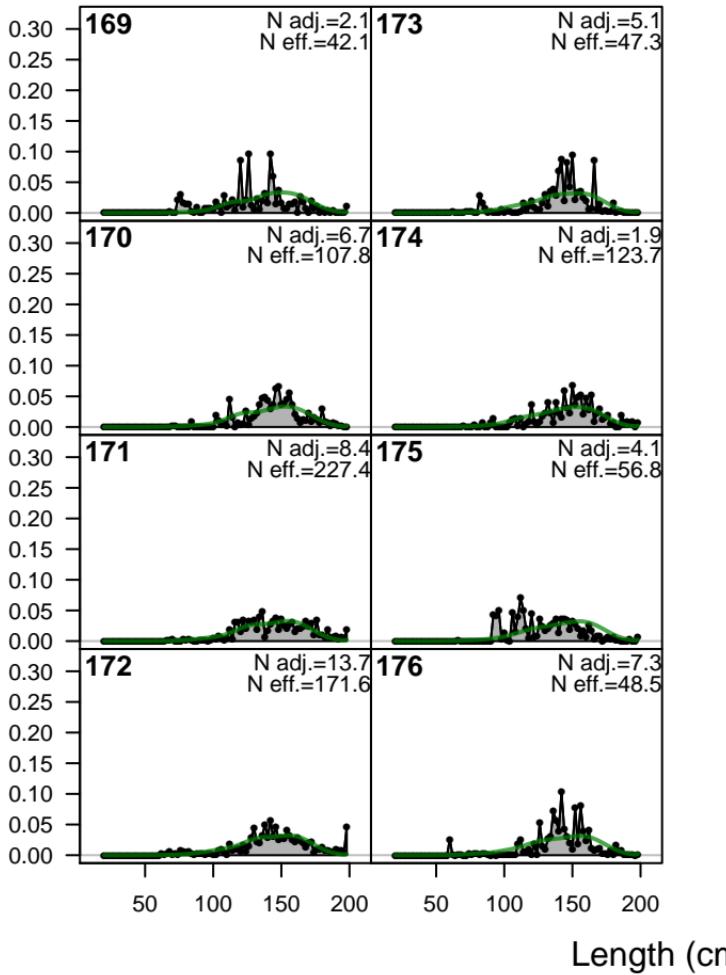
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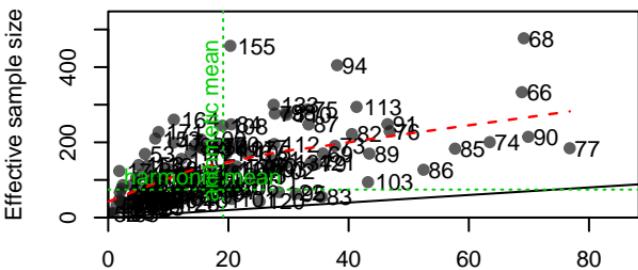
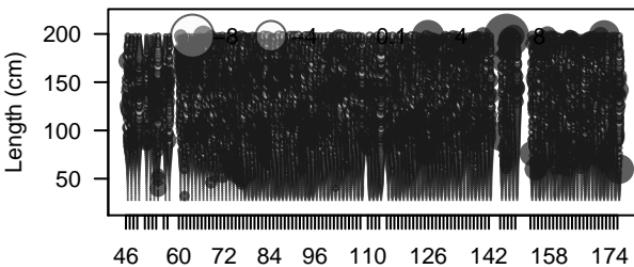


Proportion

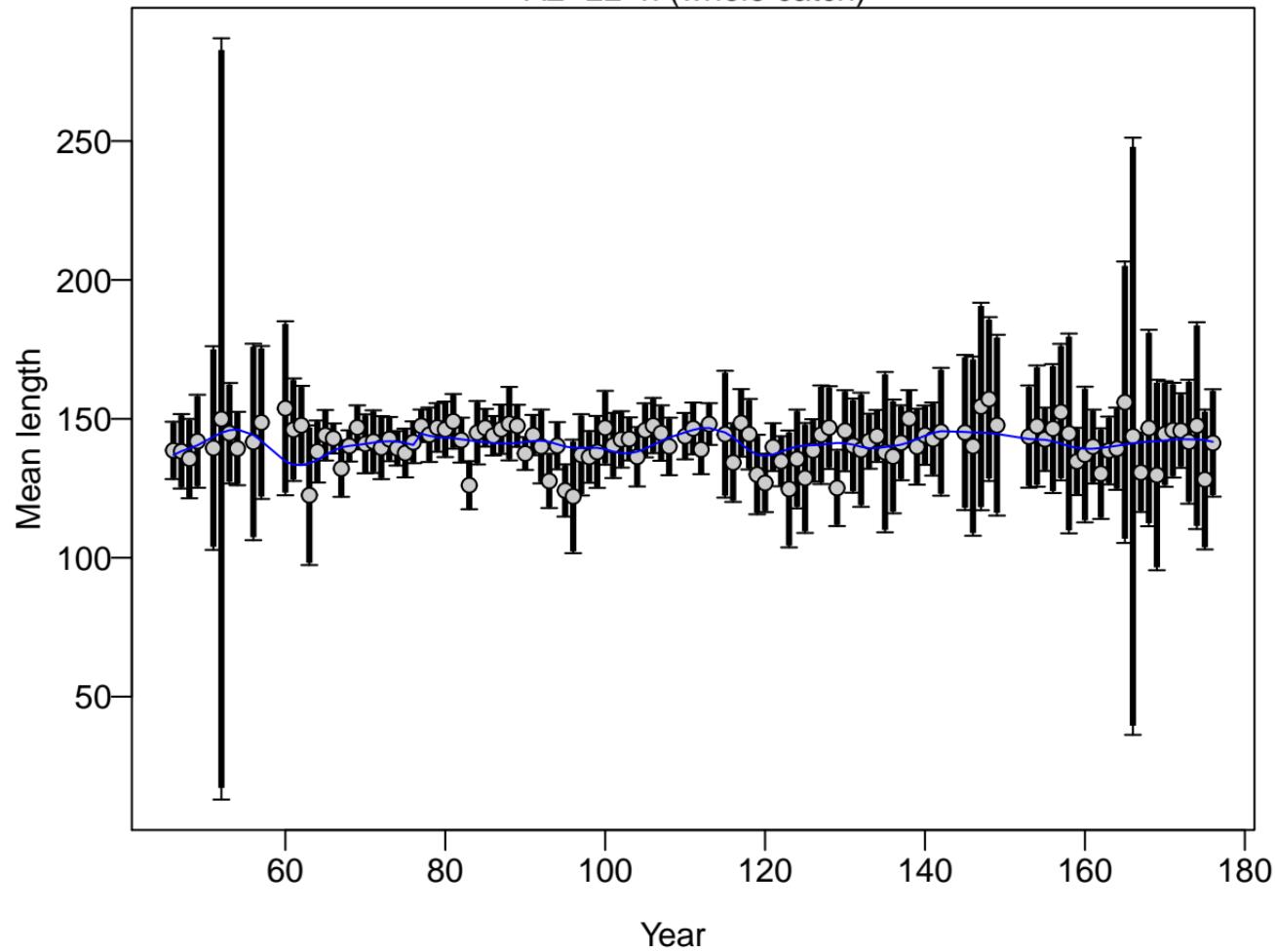


Proportion

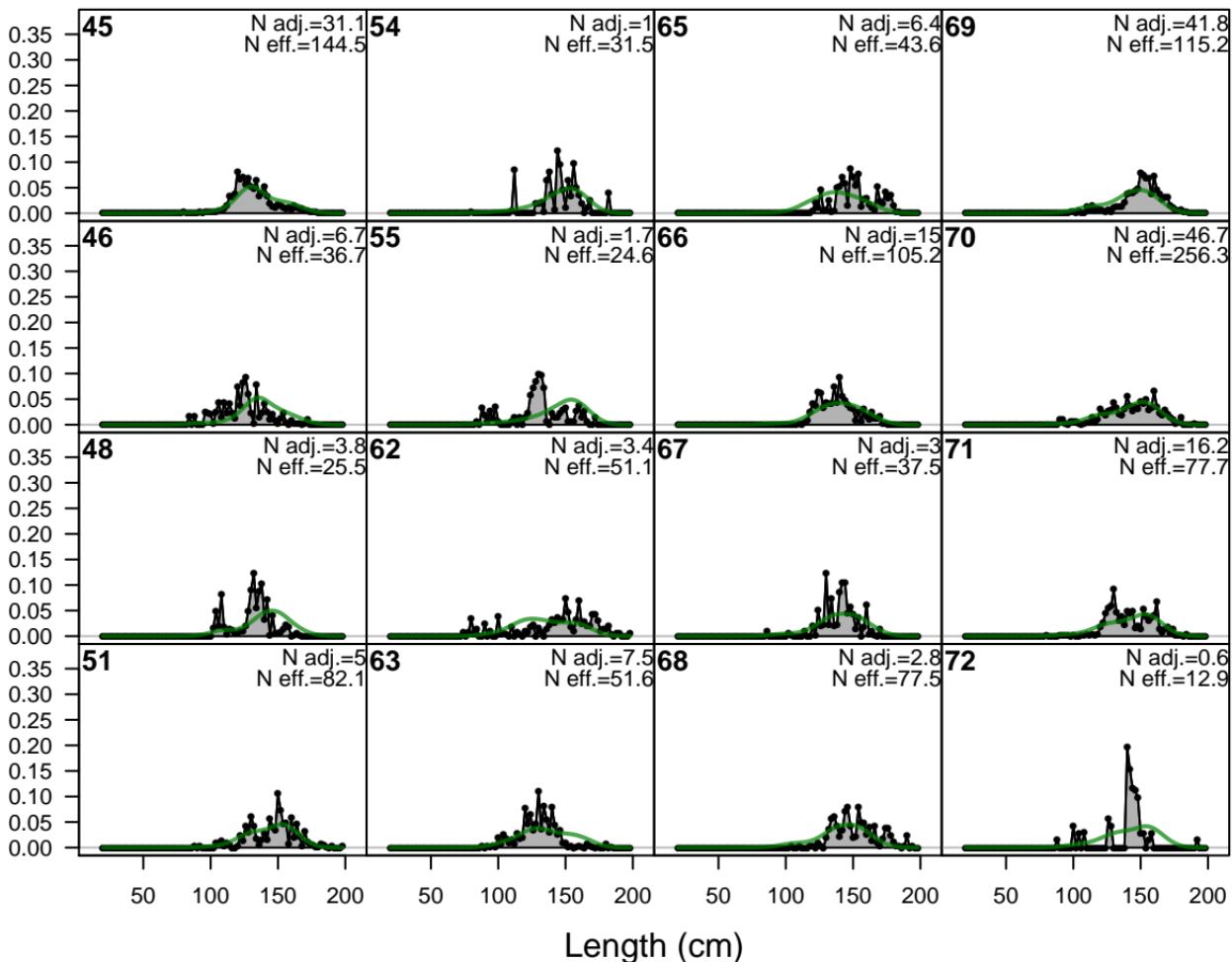




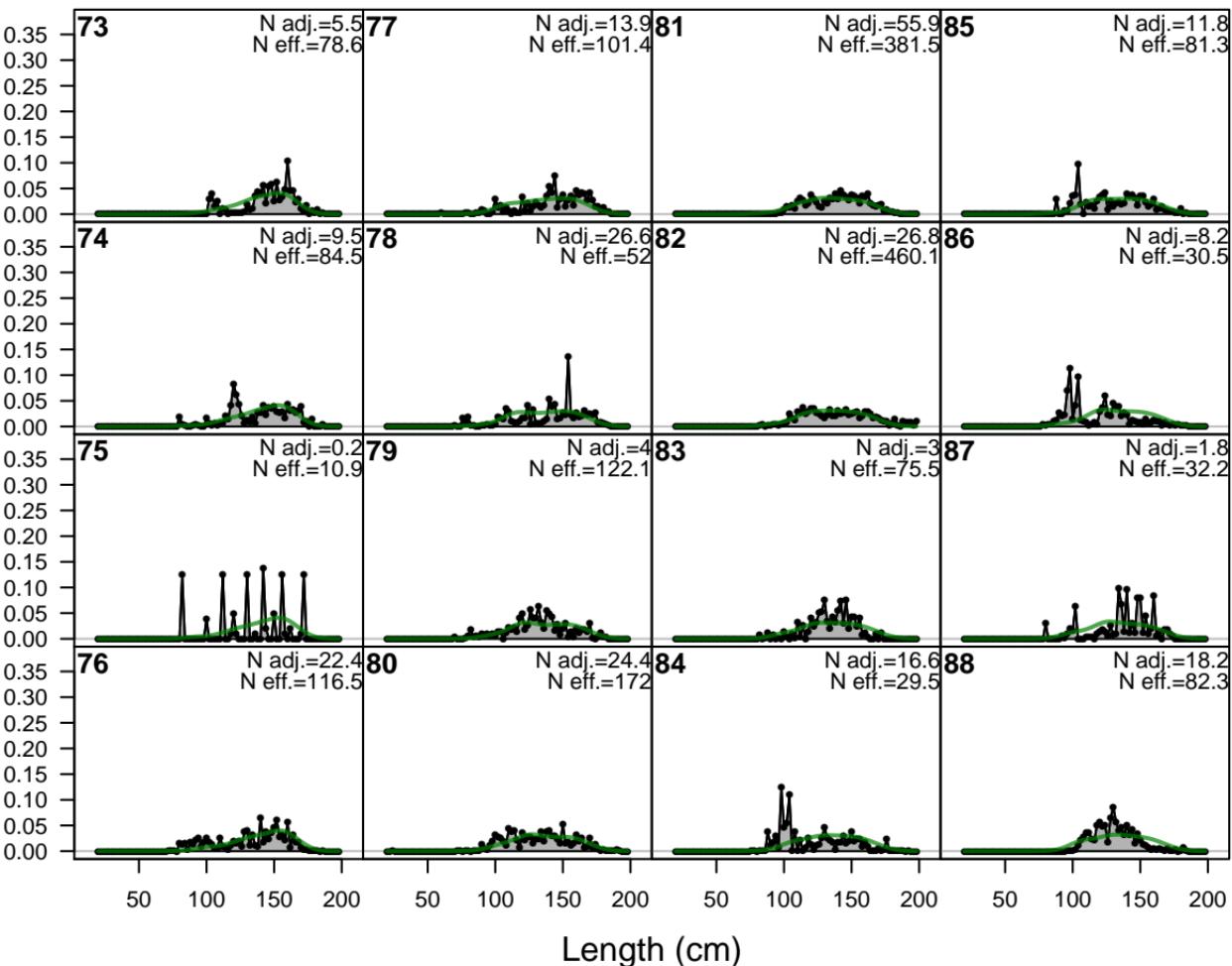
A2-LL-n (whole catch)



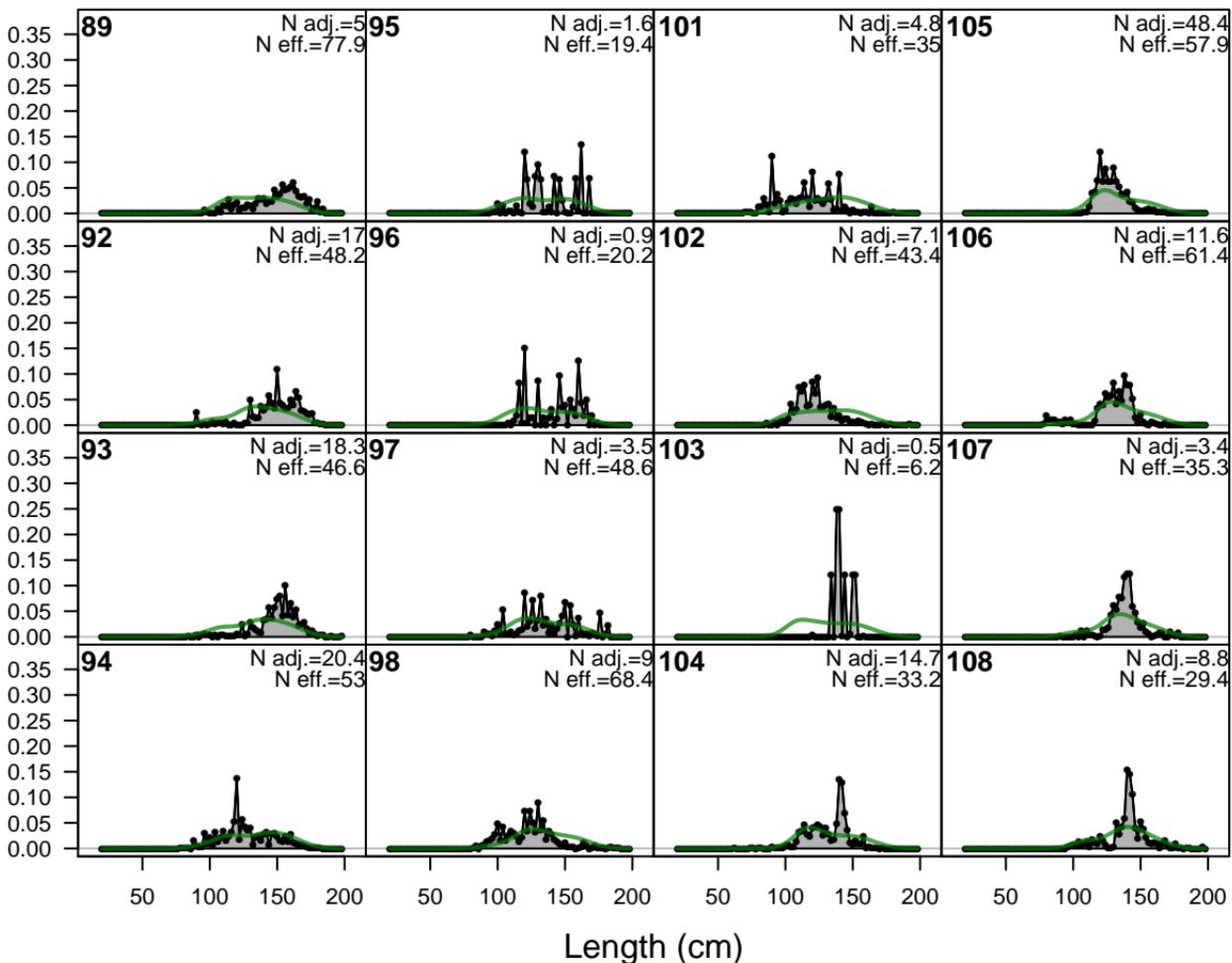
Proportion



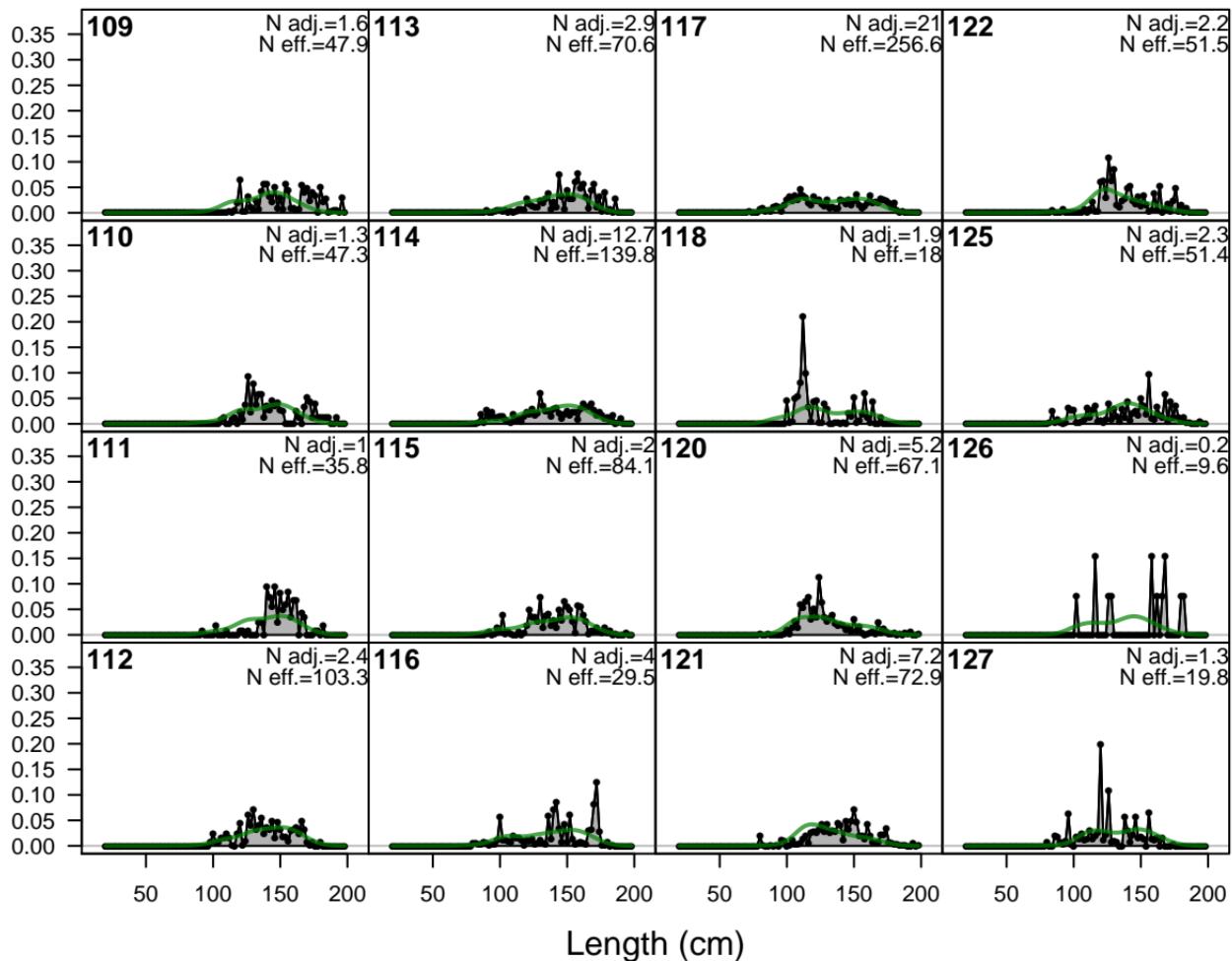
Proportion



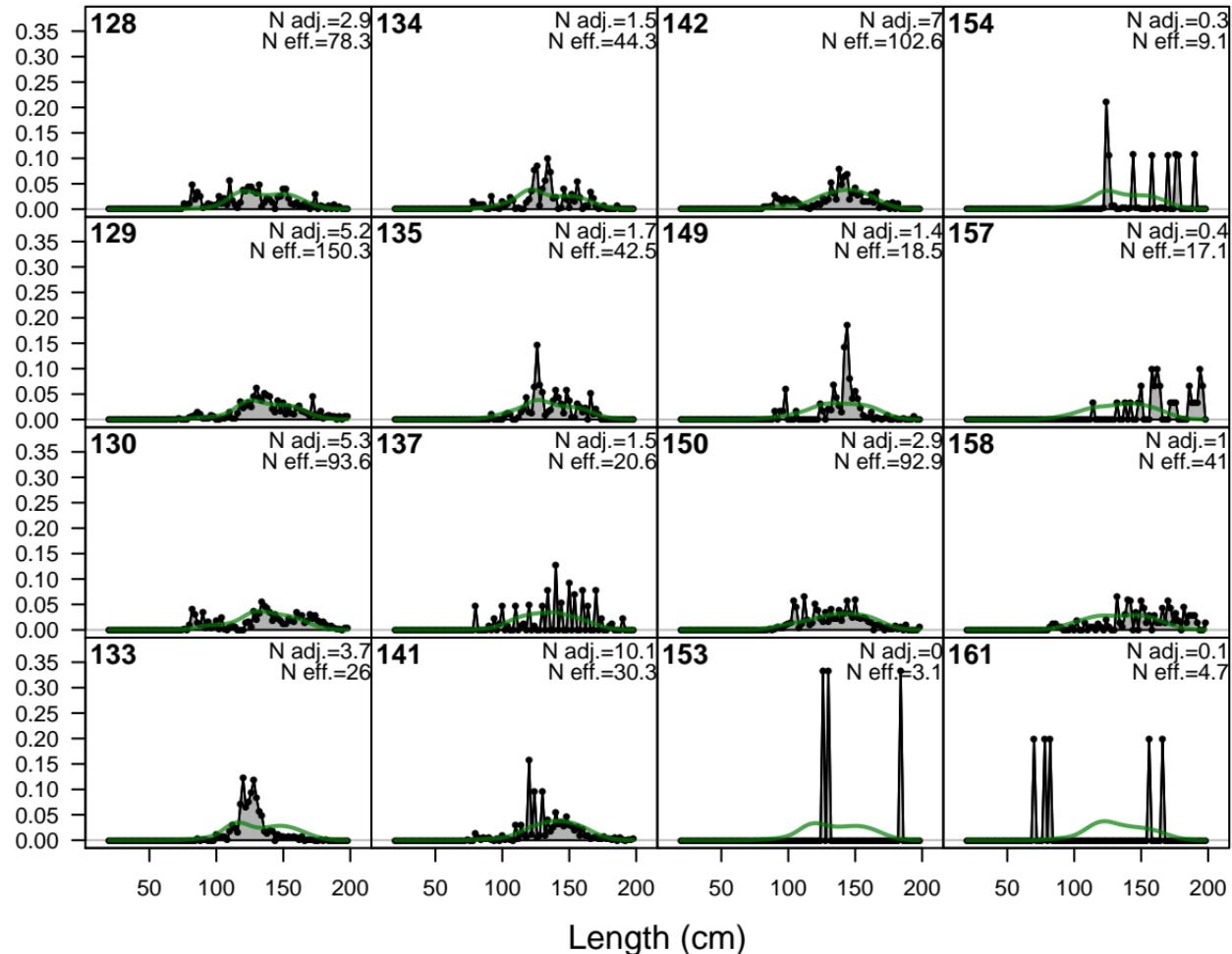
Proportion



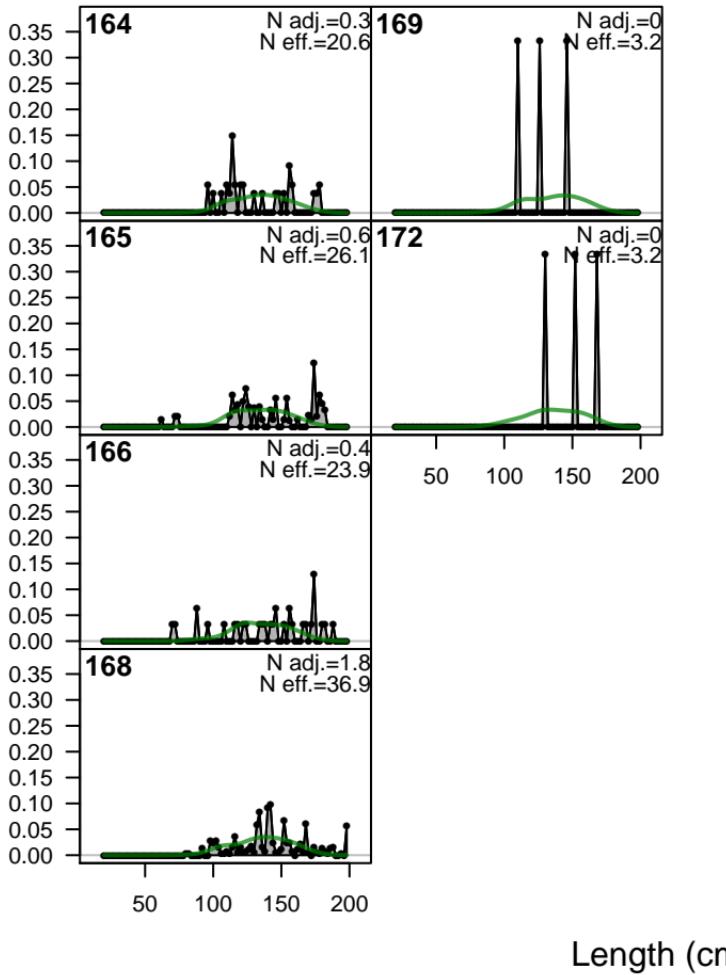
Proportion

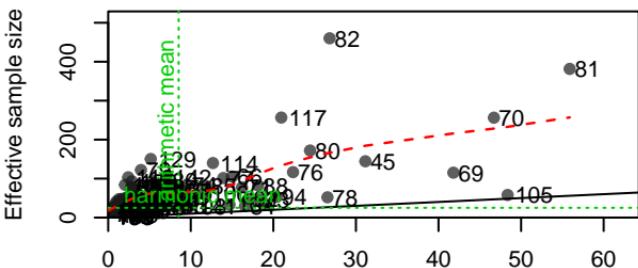
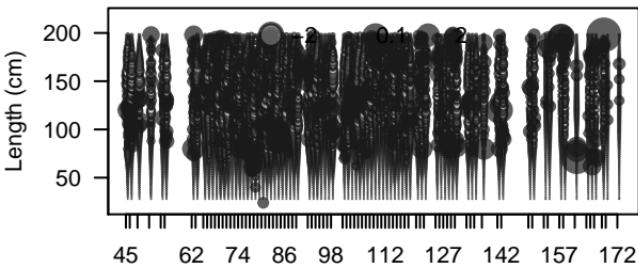


Proportion

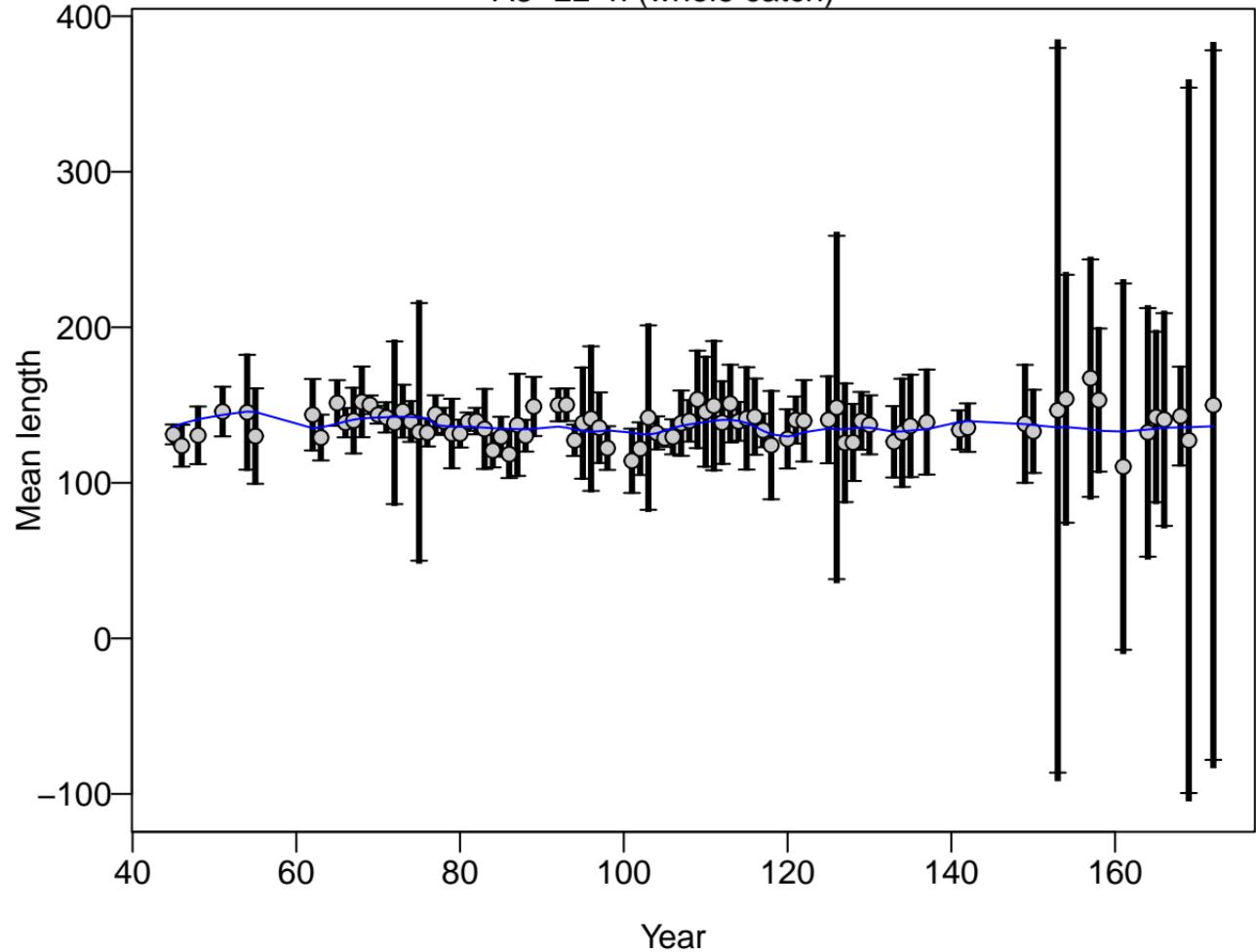


Proportion

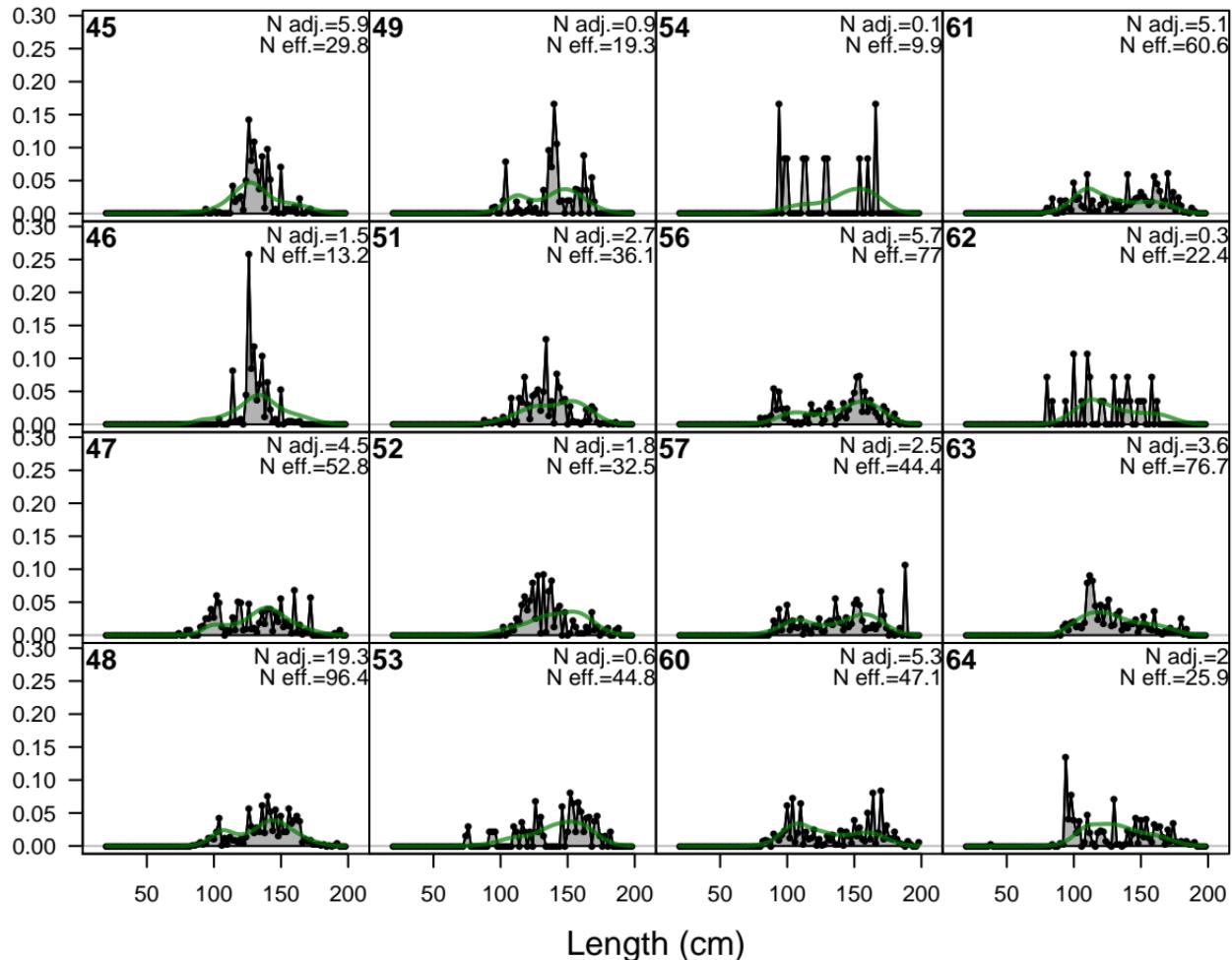




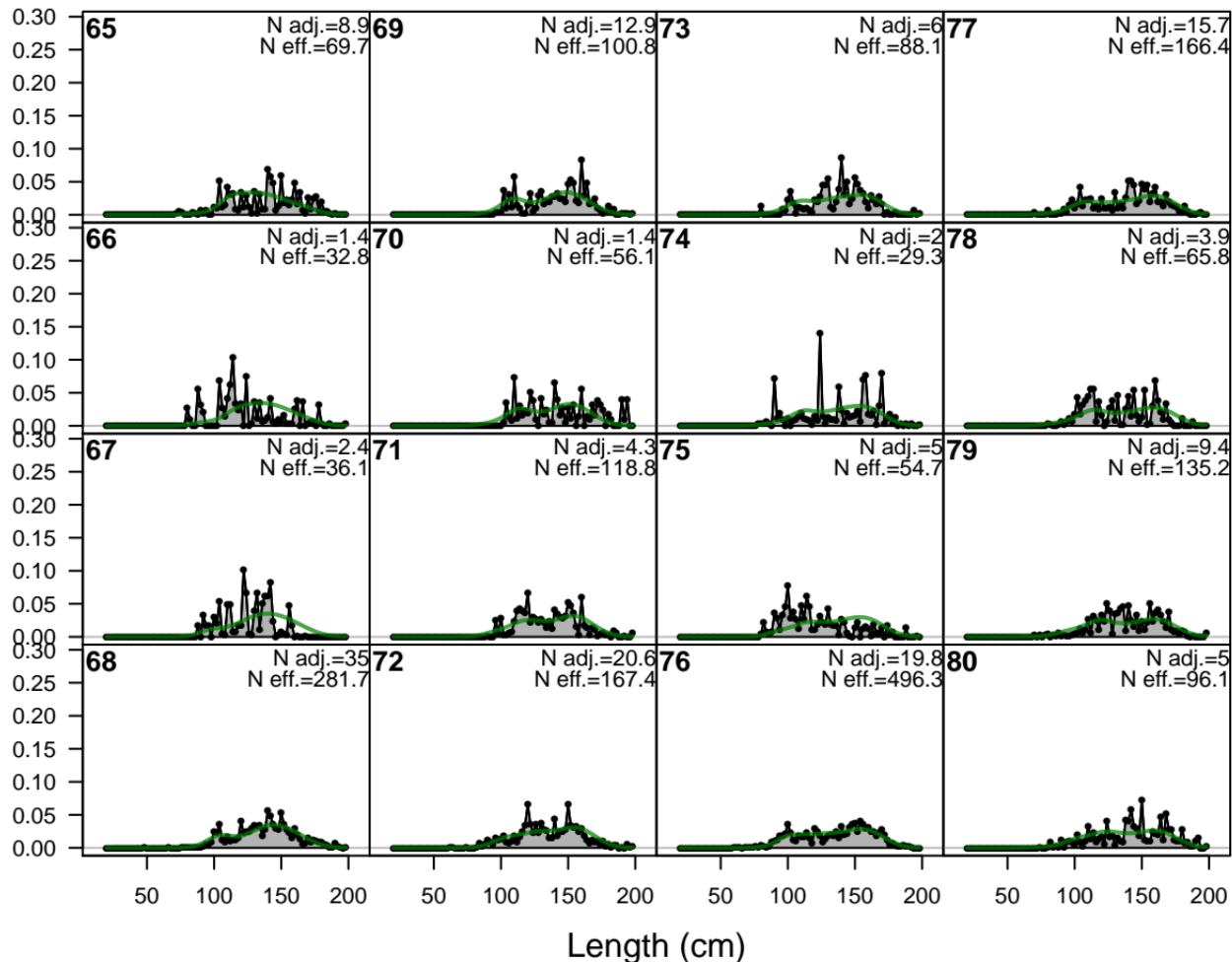
A3-LL-n (whole catch)



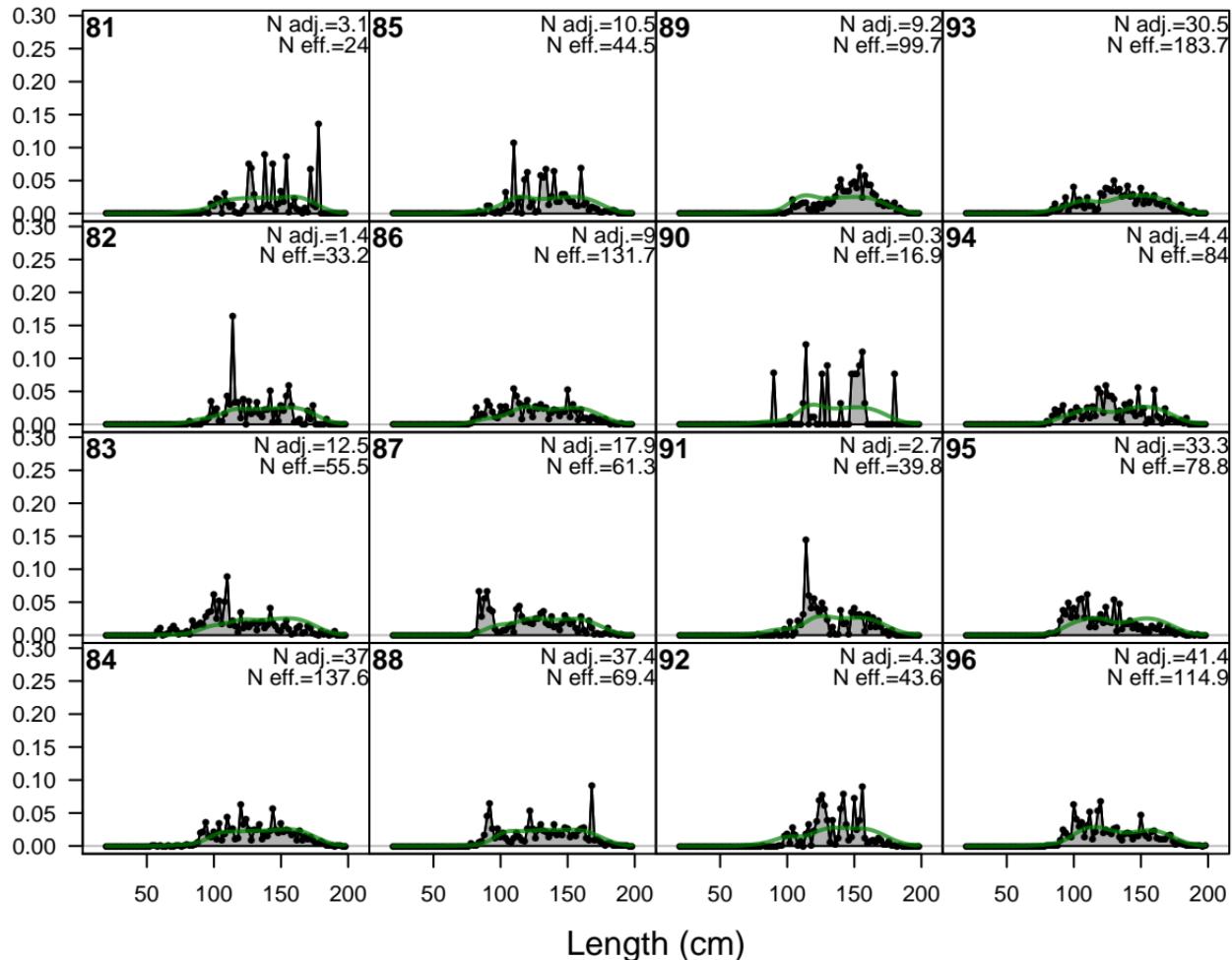
Proportion



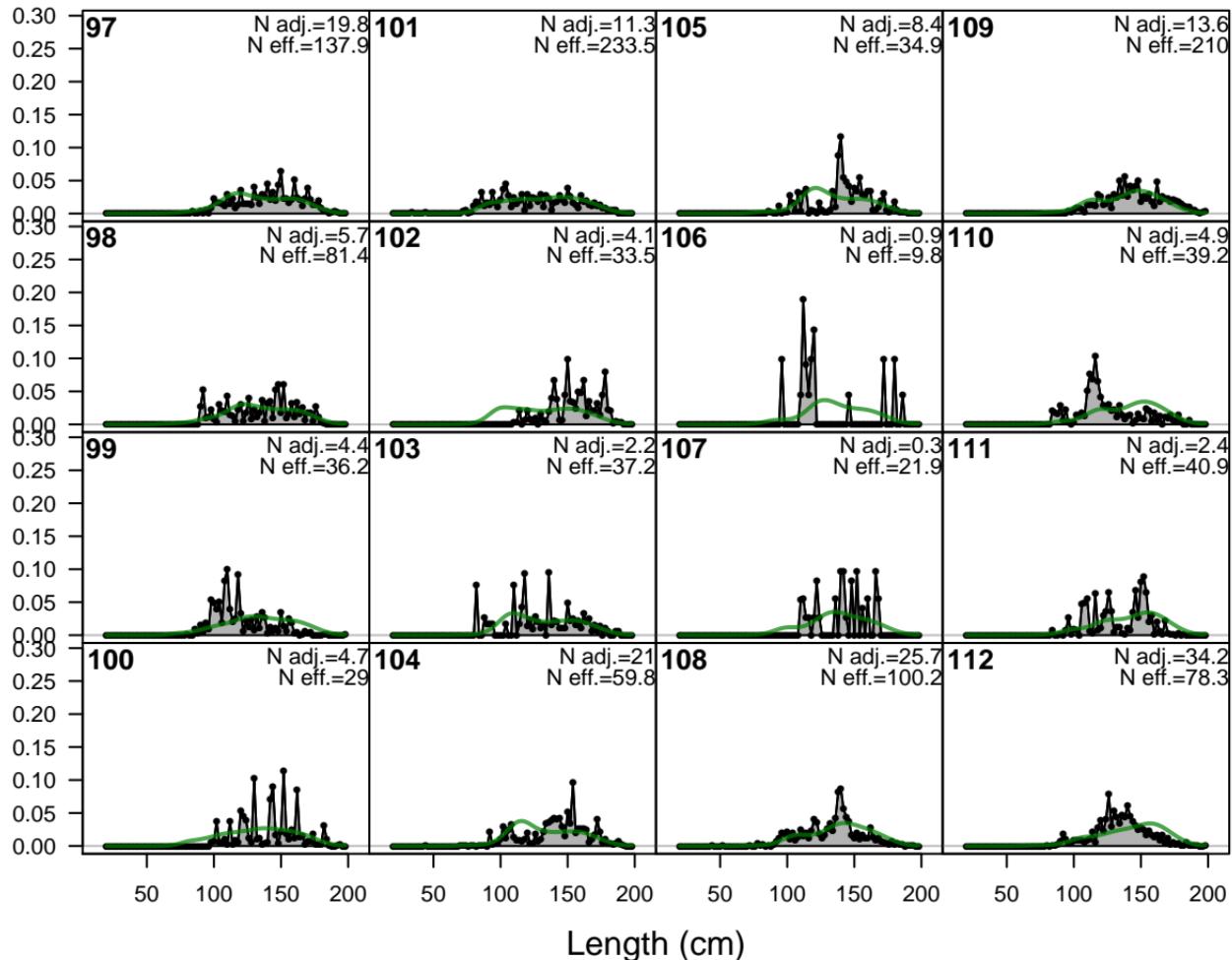
Proportion

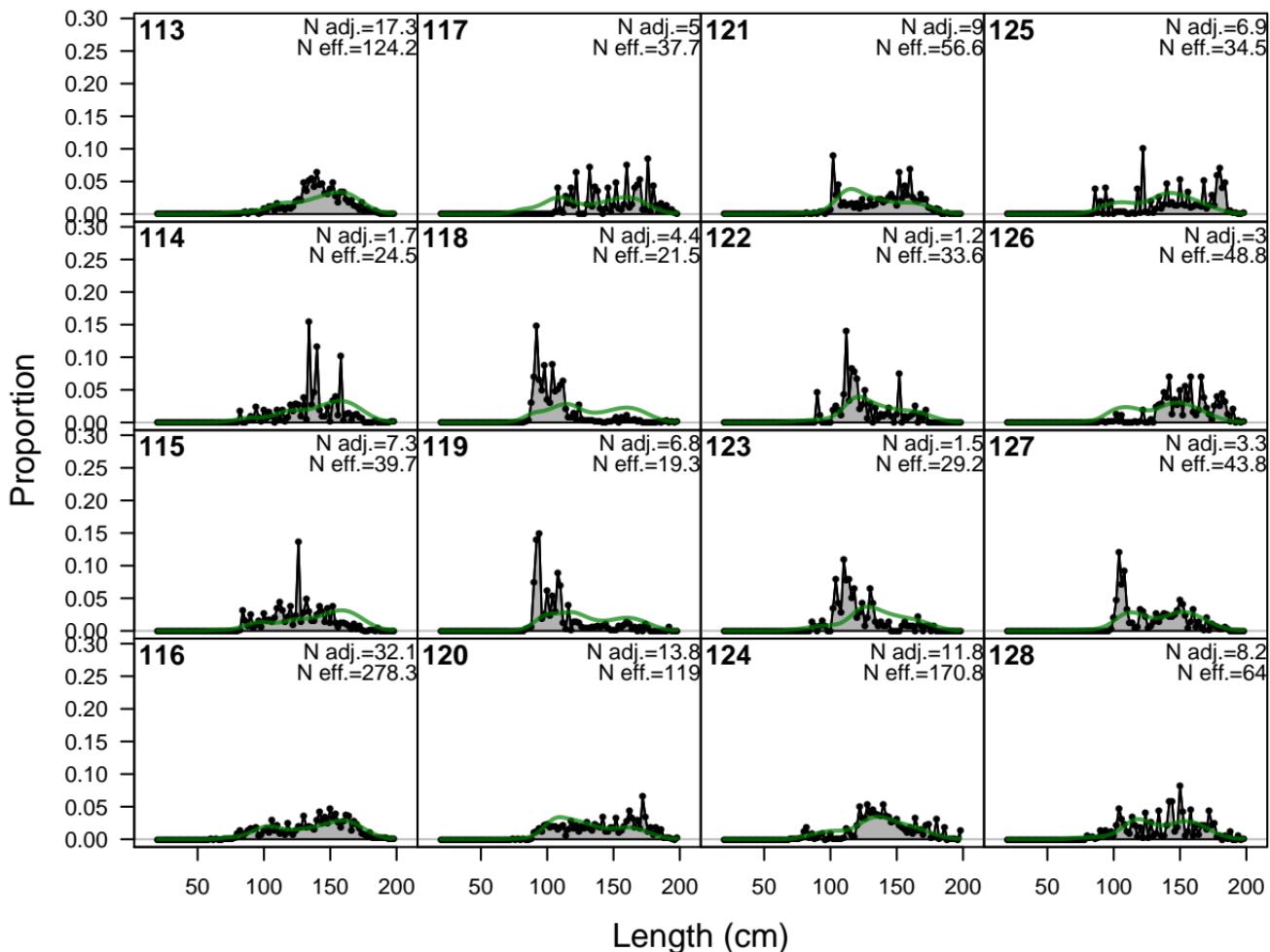


Proportion

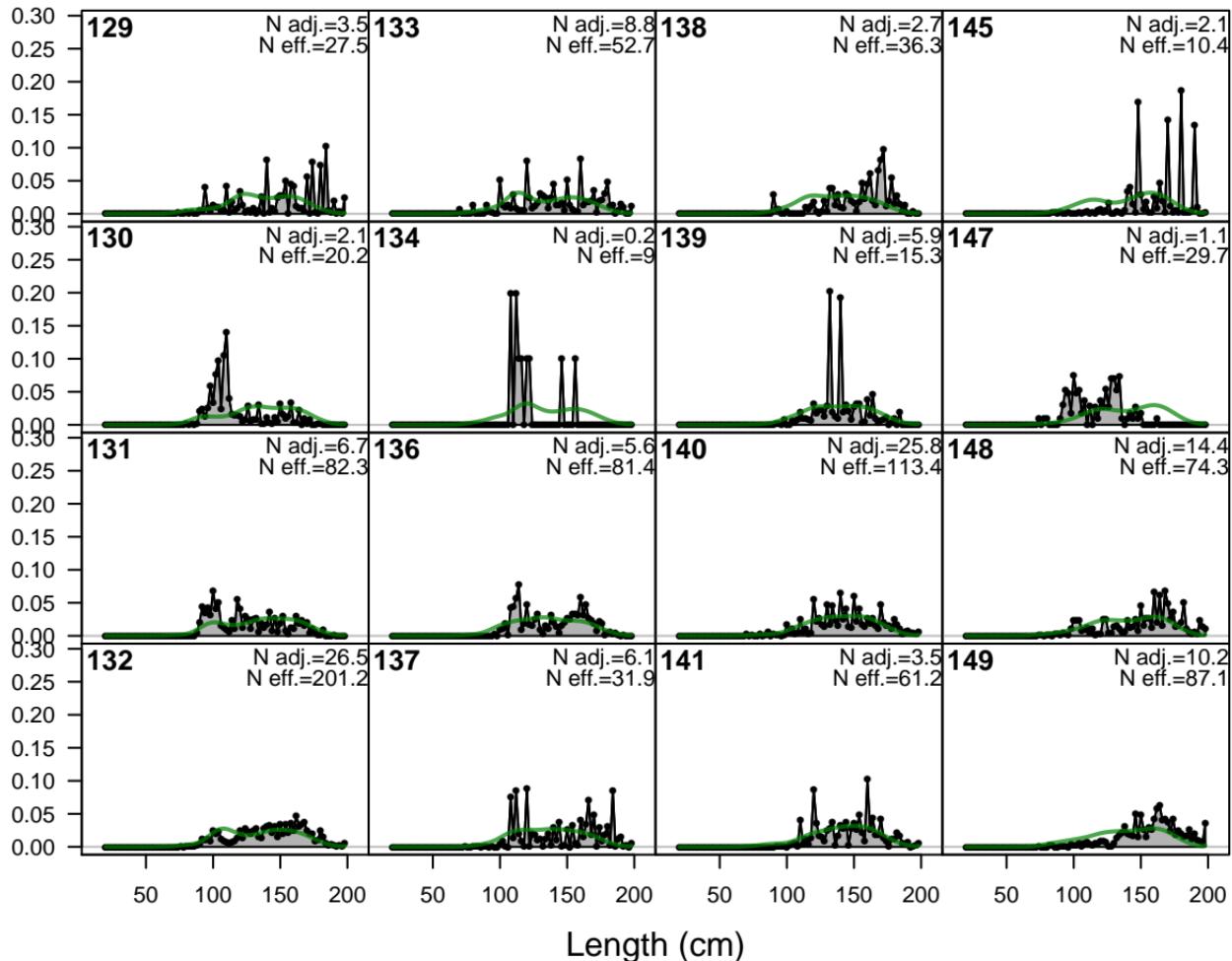


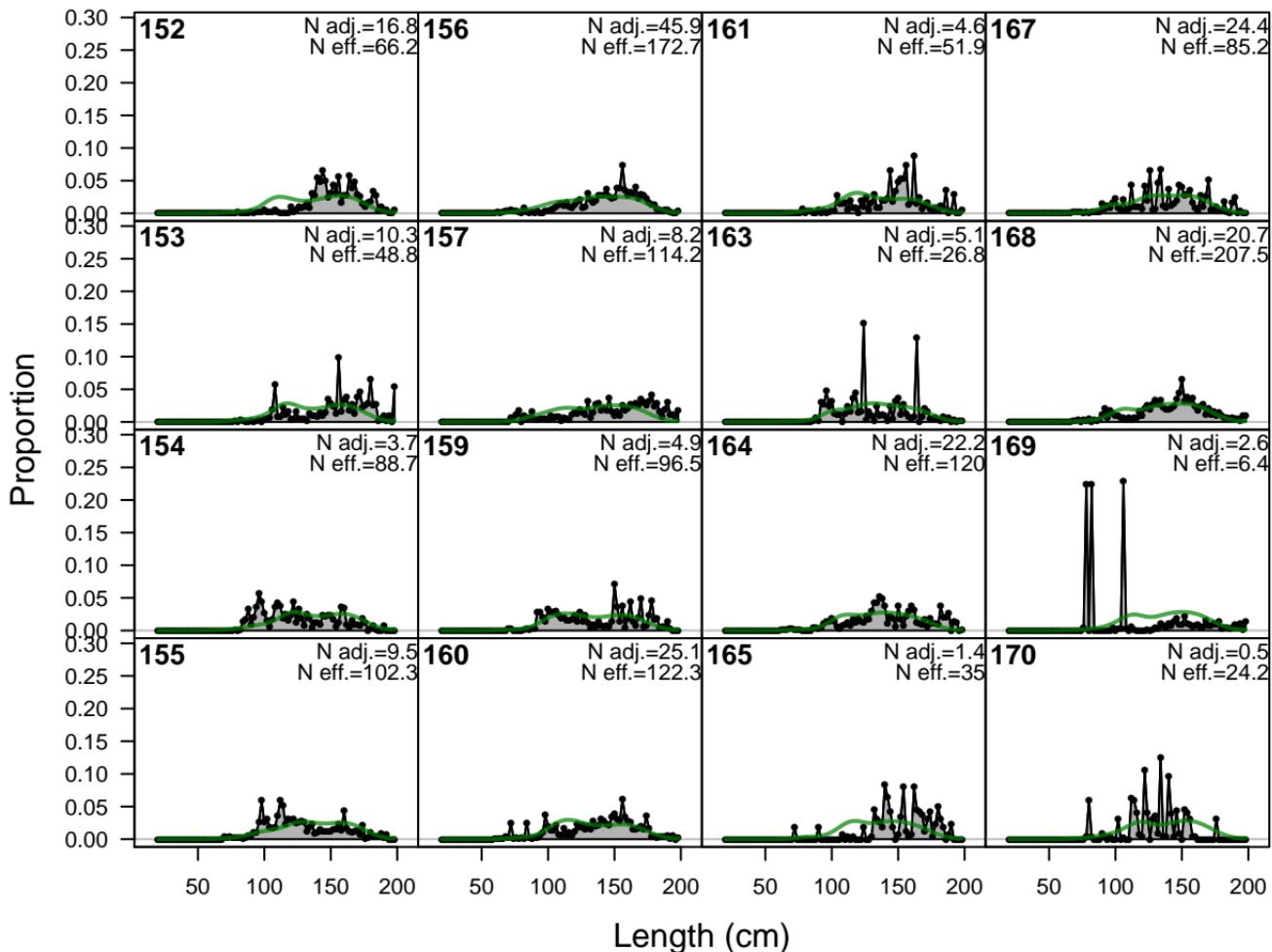
Proportion

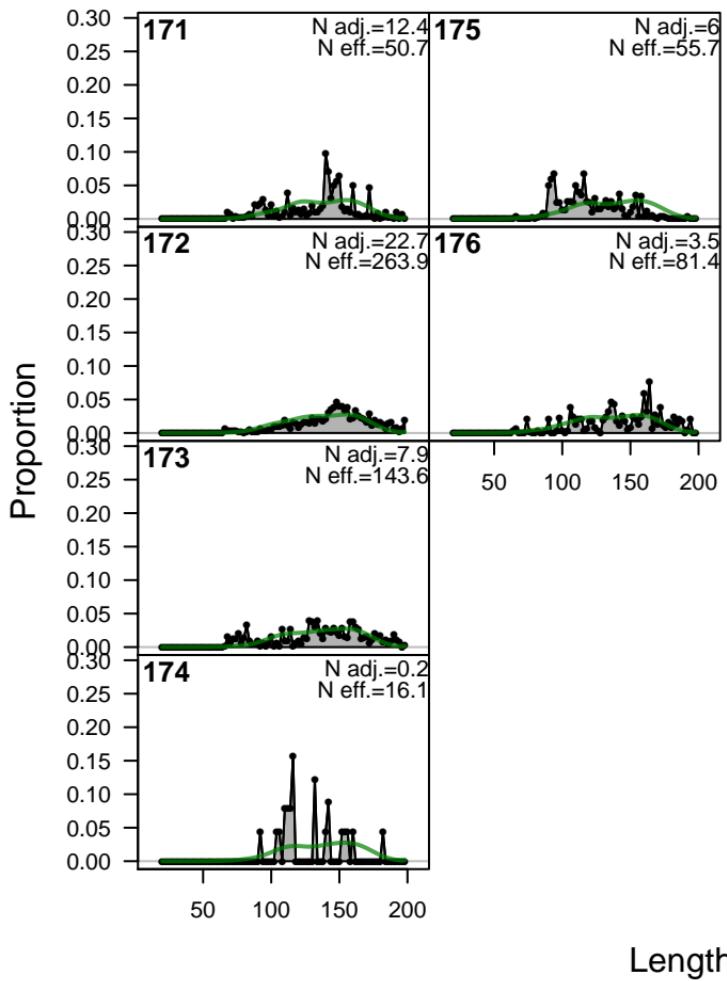


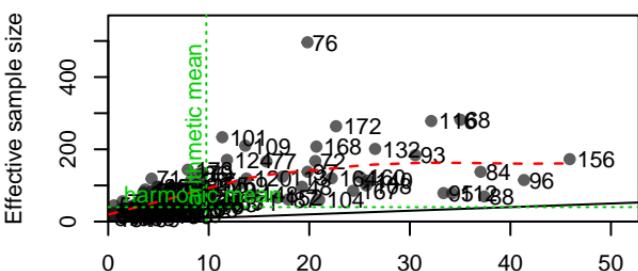
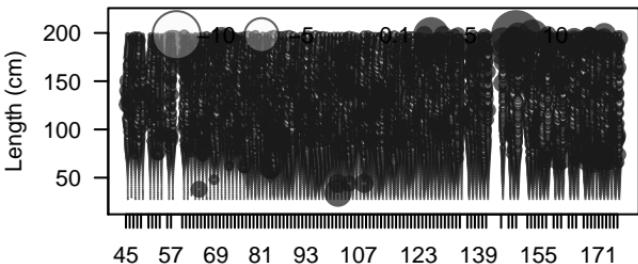


Proportion

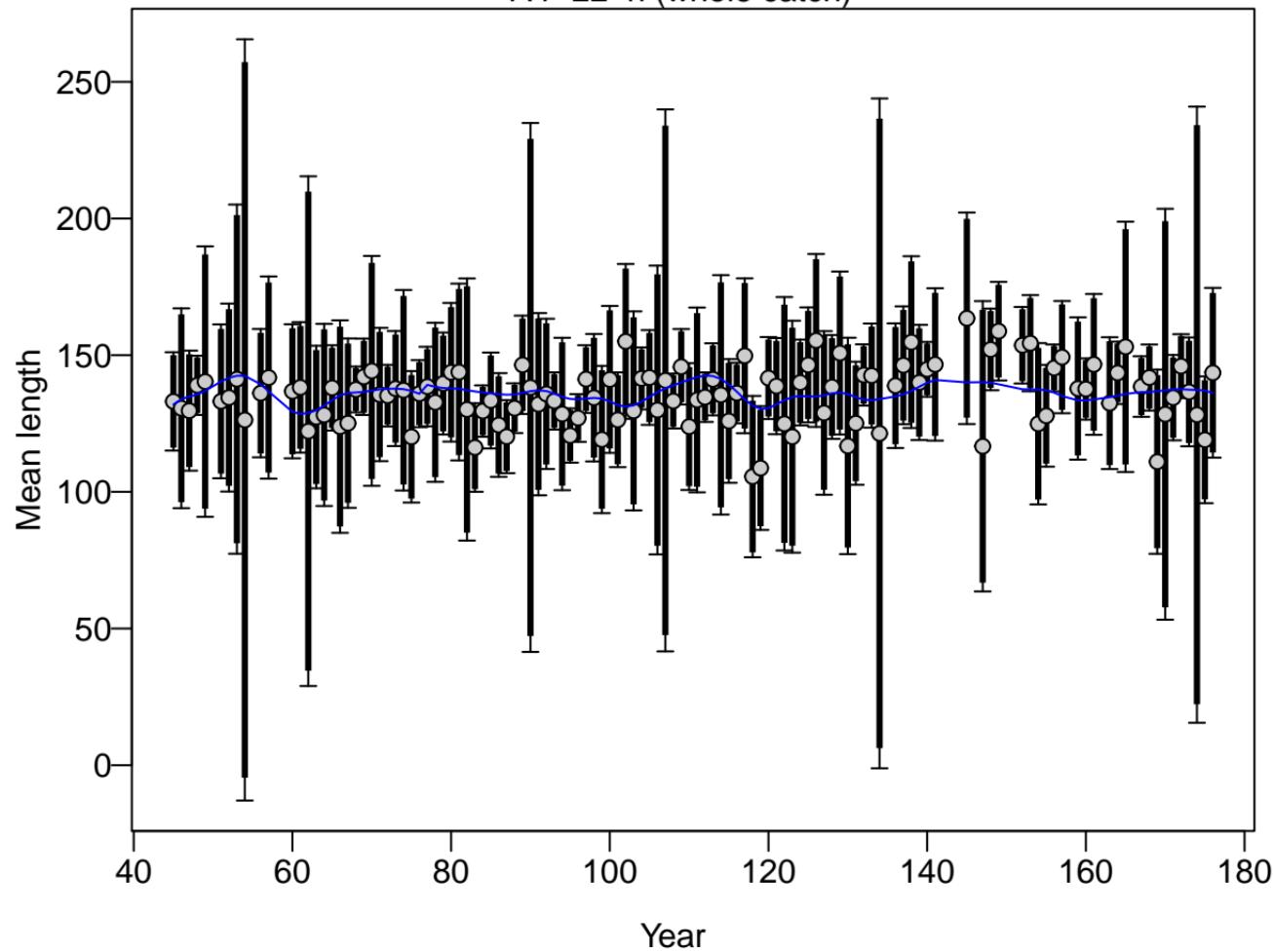




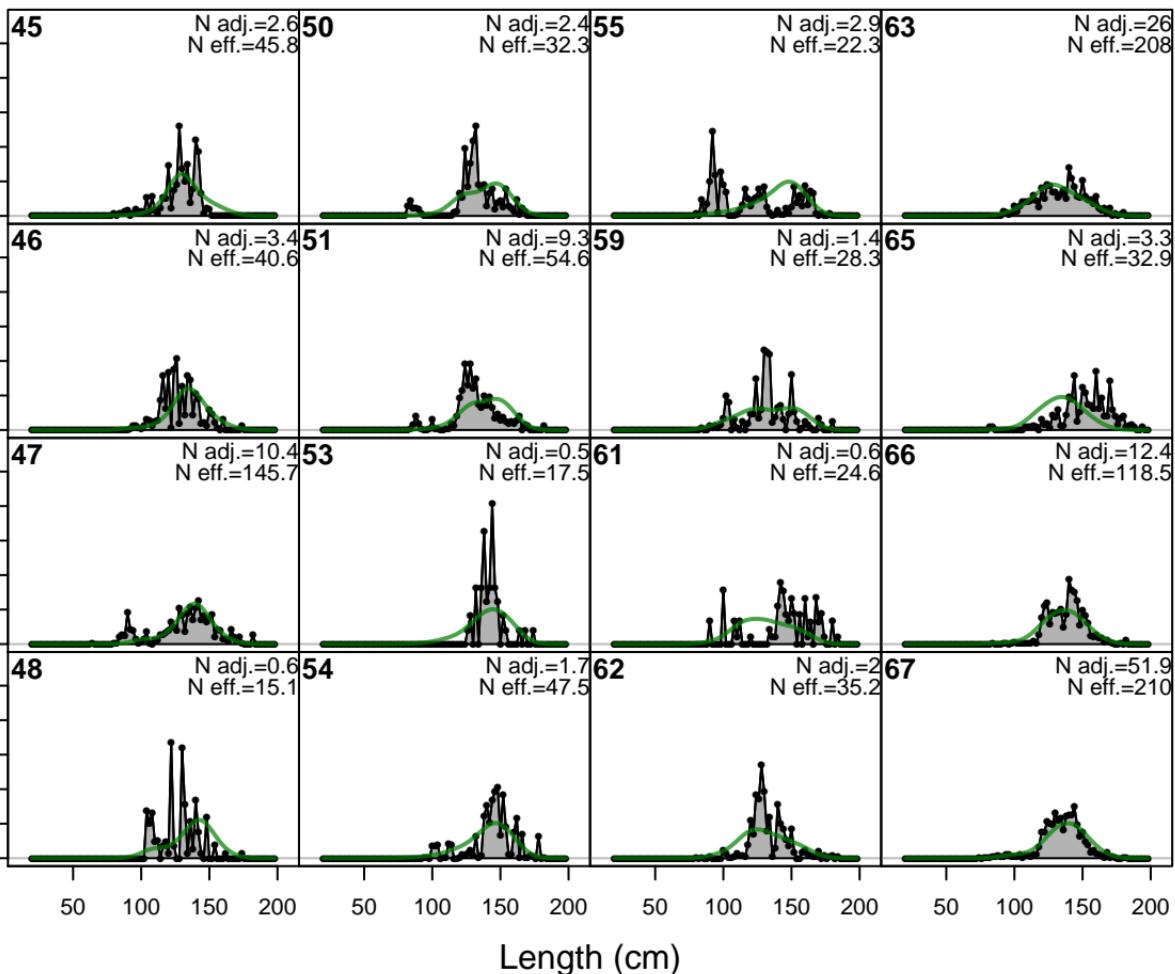




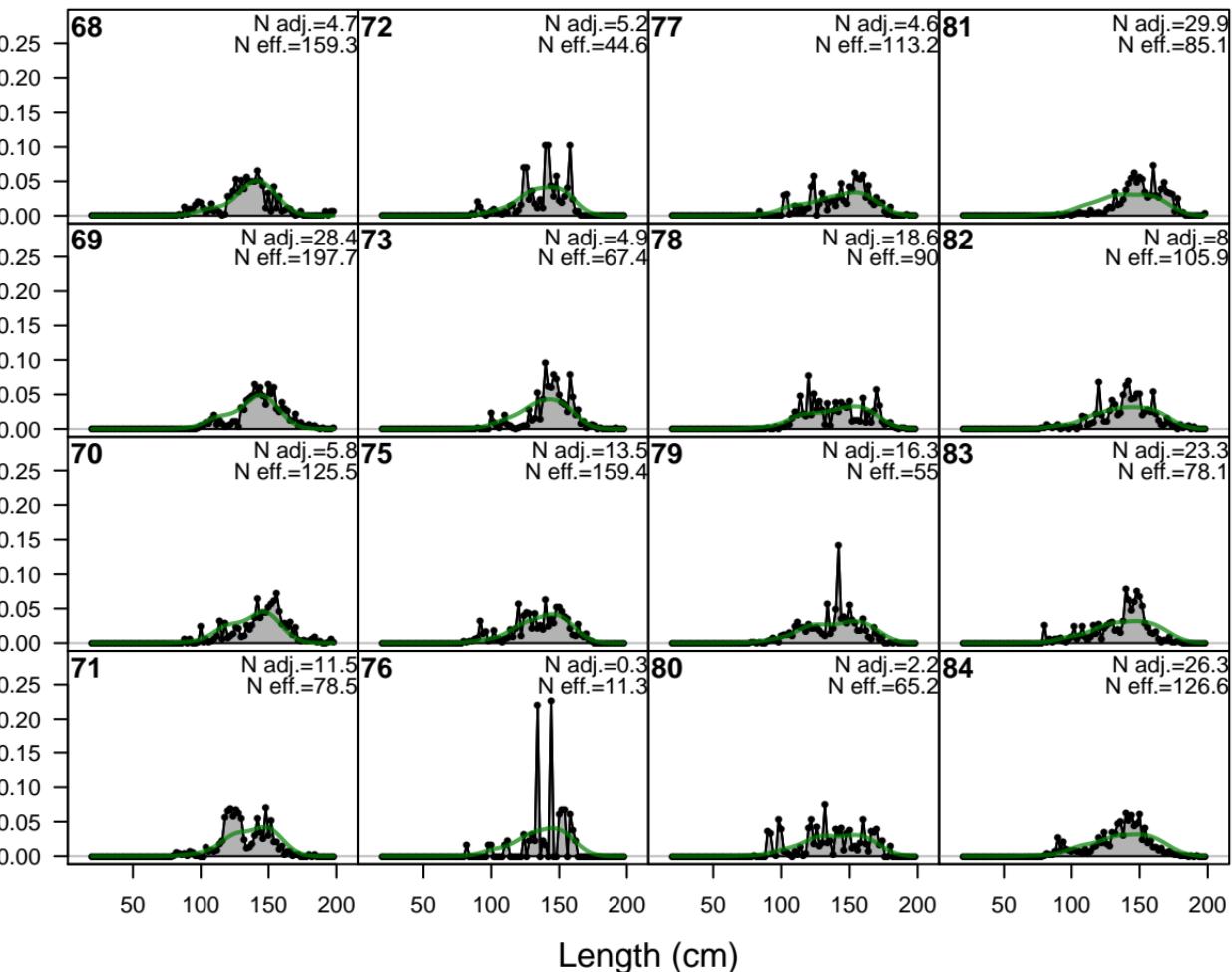
A4-LL-n (whole catch)



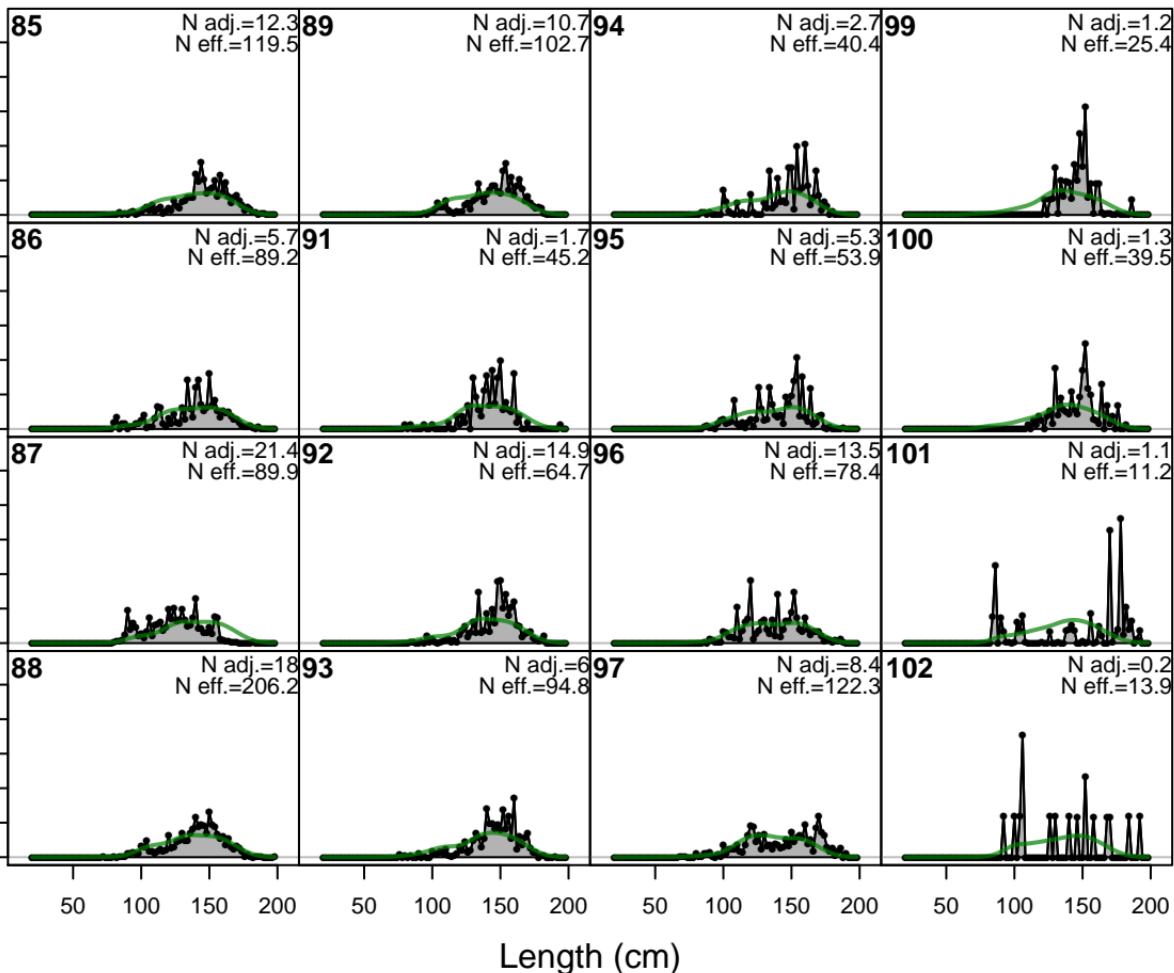
Proportion



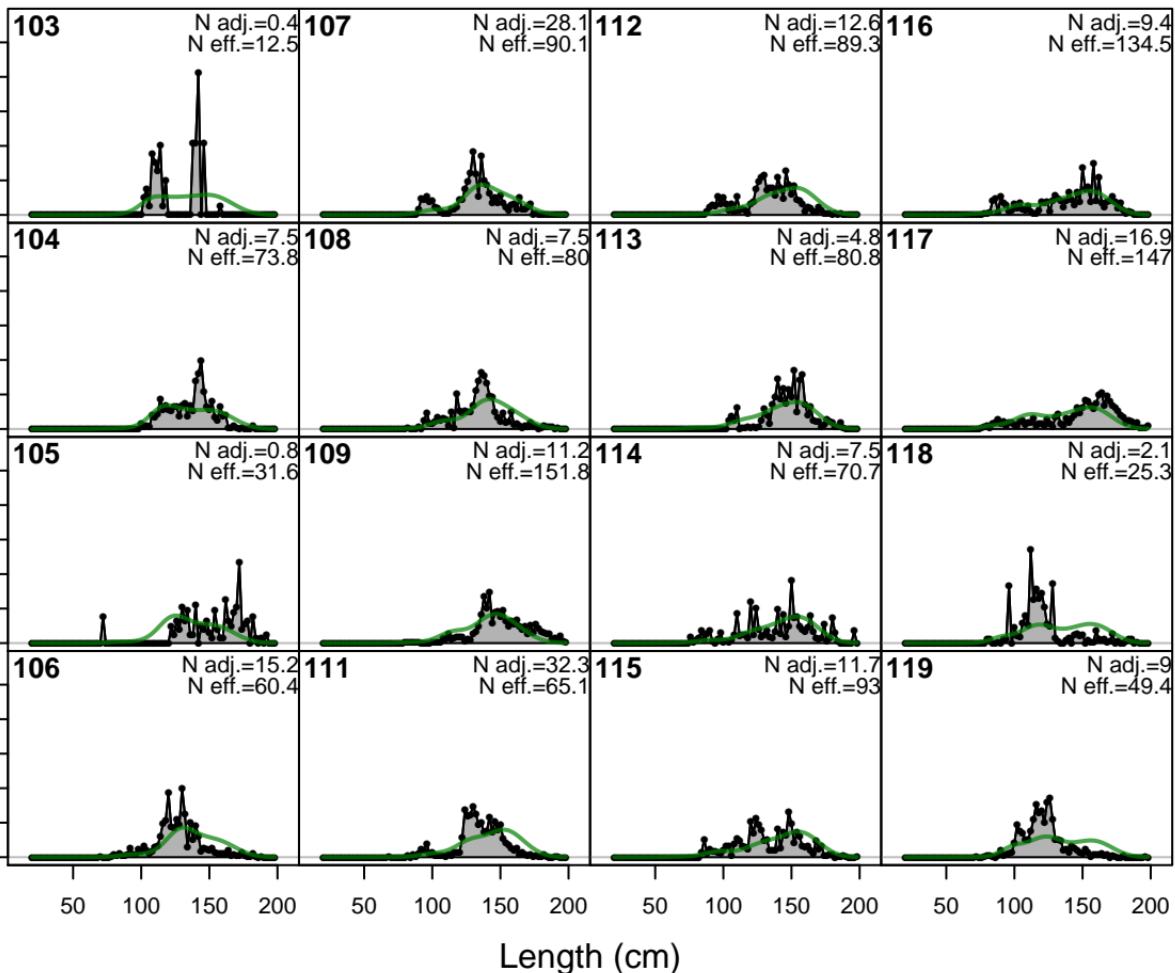
Proportion



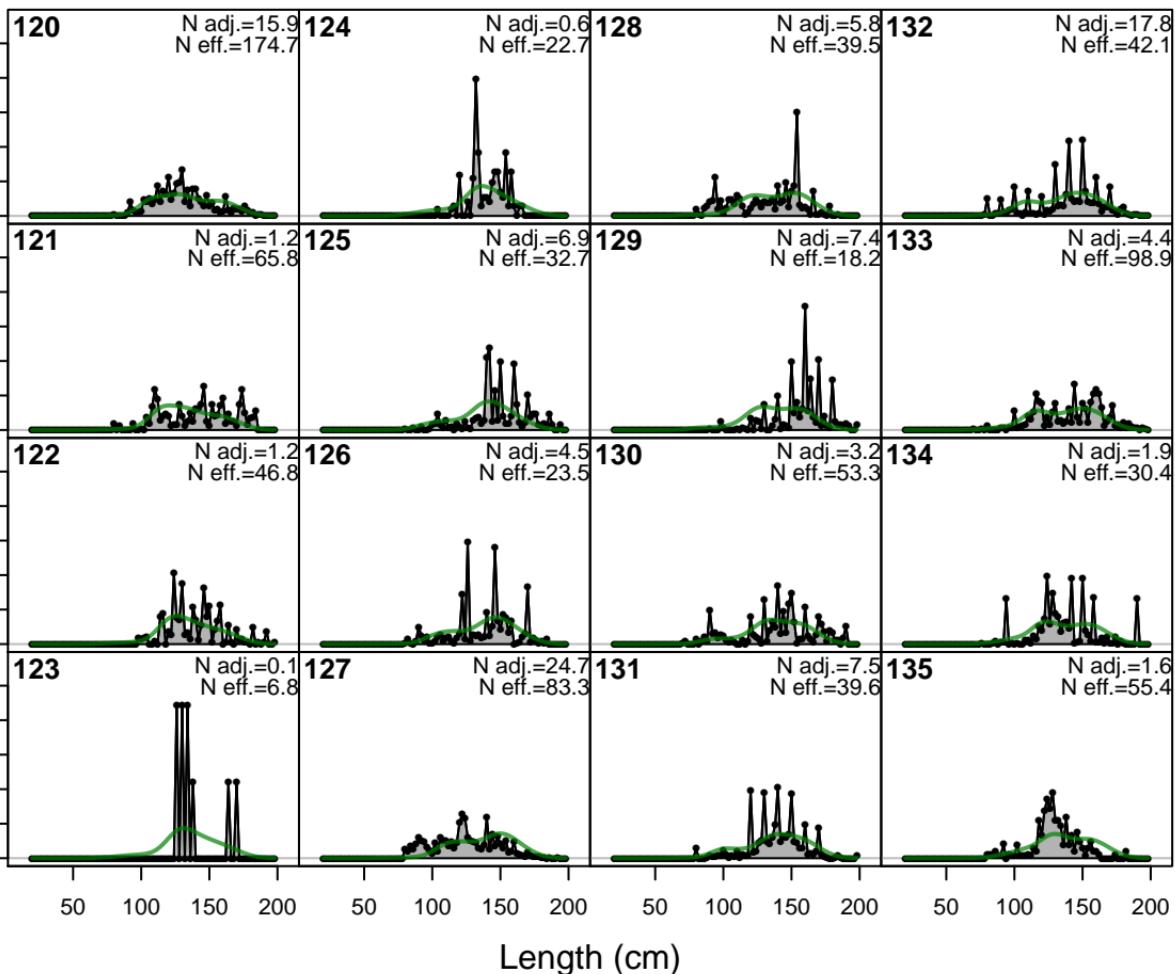
Proportion



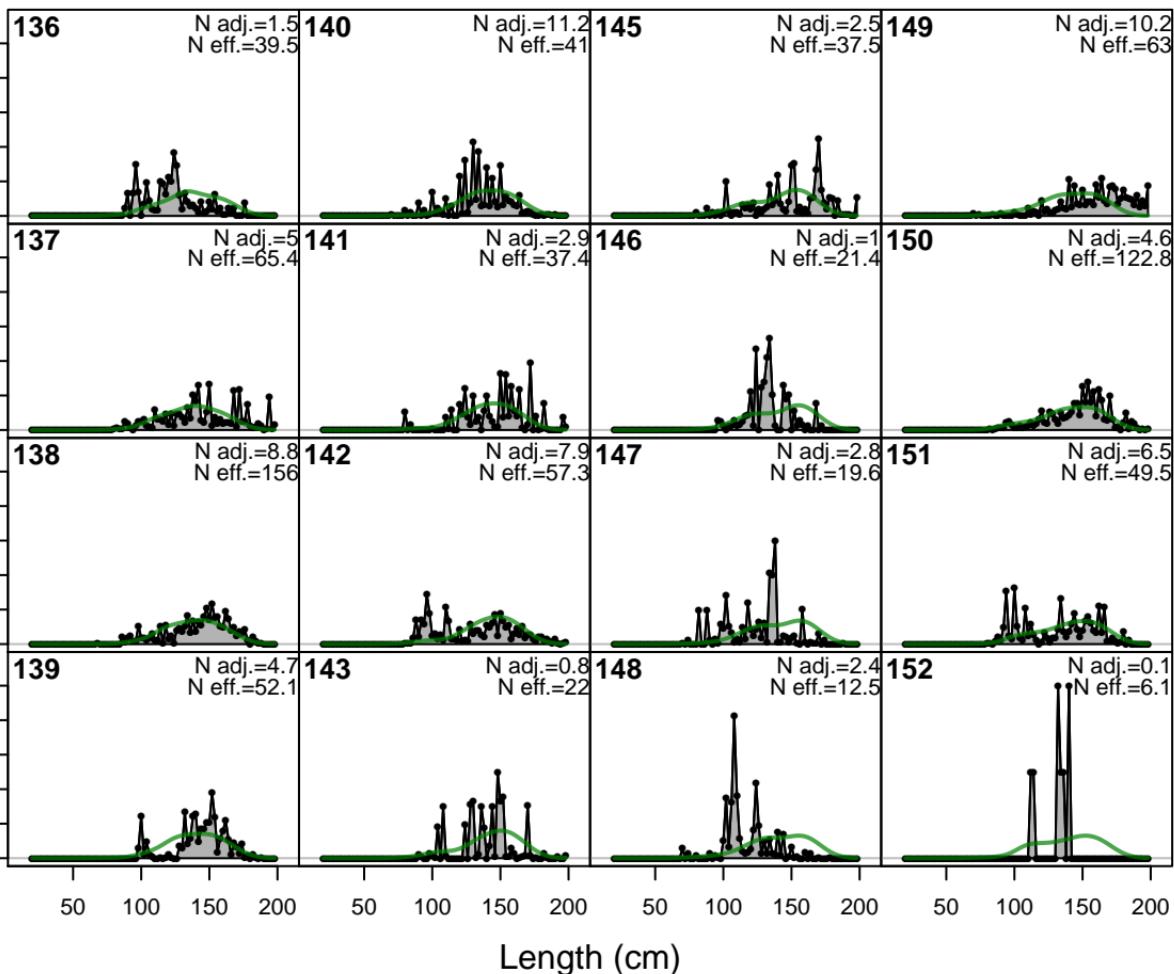
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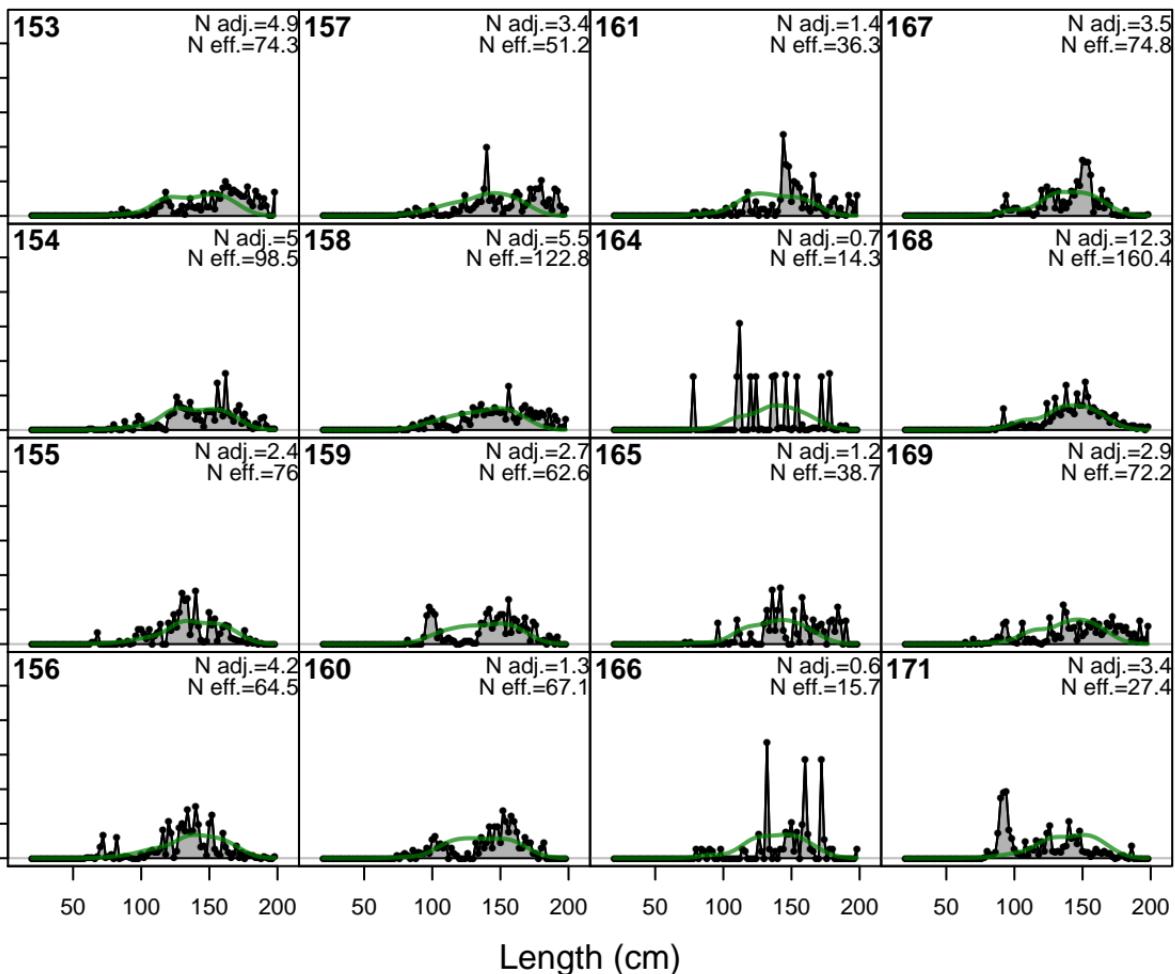
Proportion



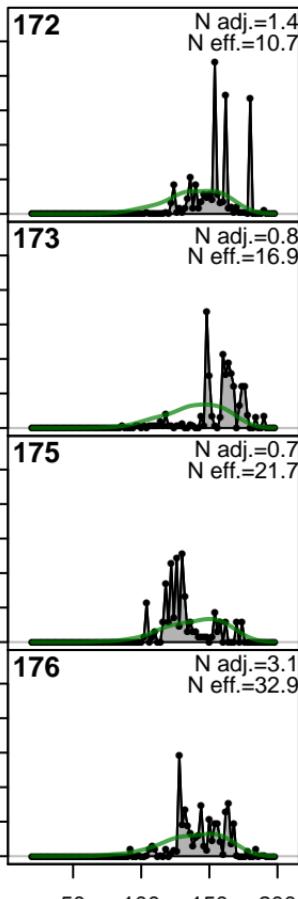
Proportion

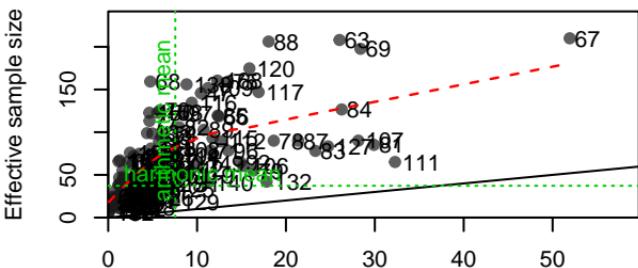
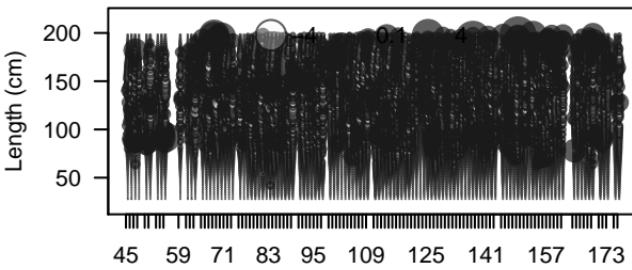


Proportion

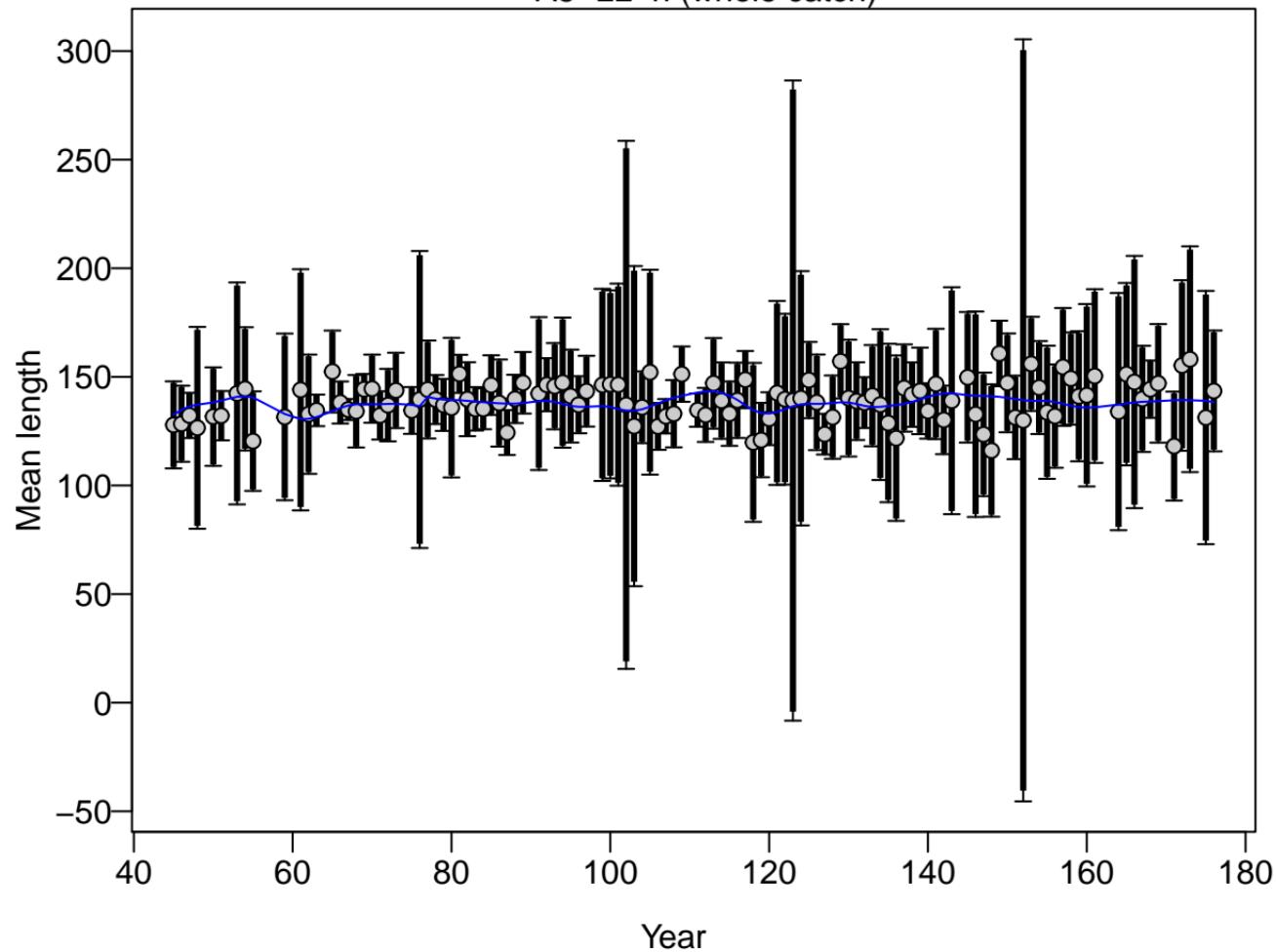


Proportion

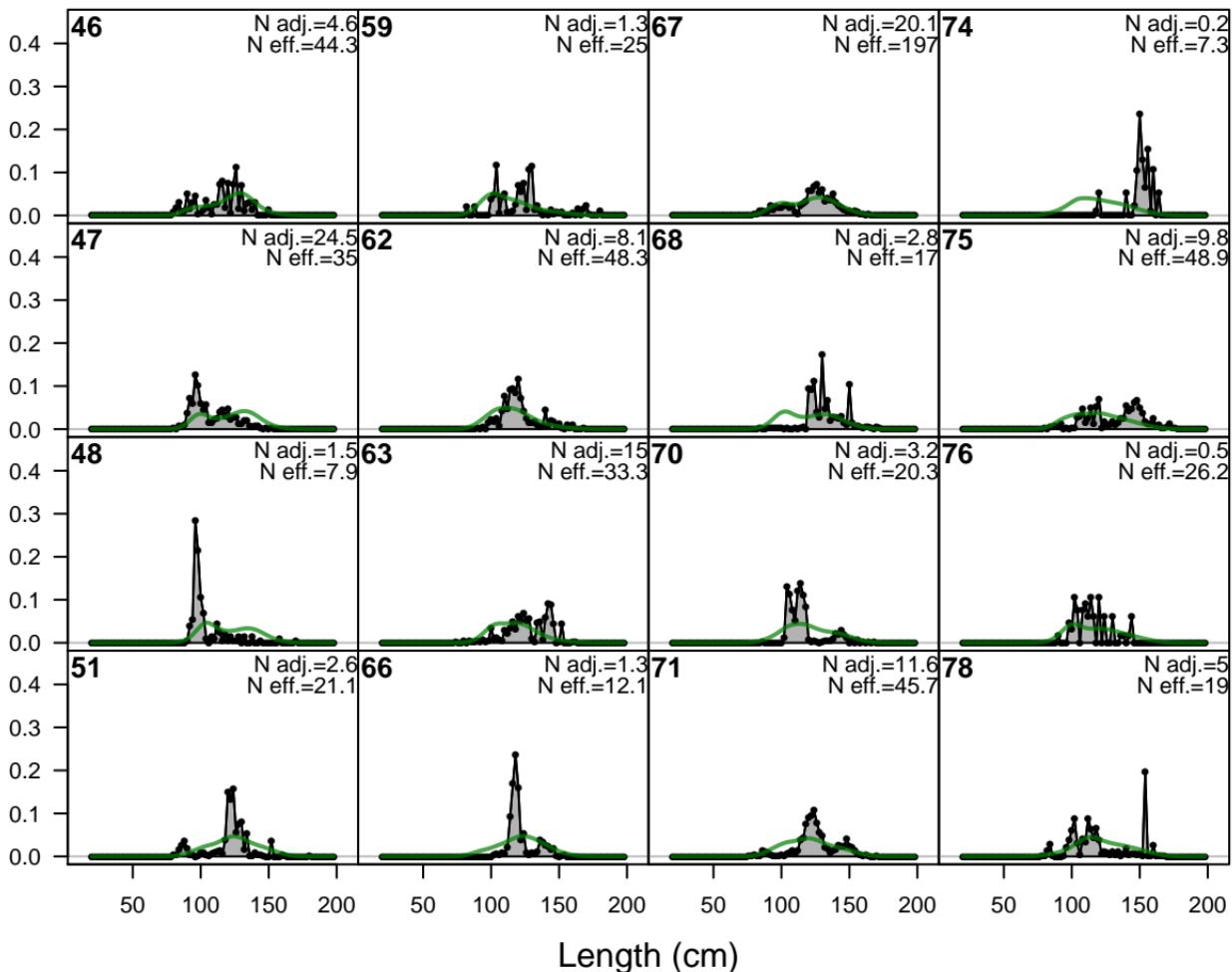




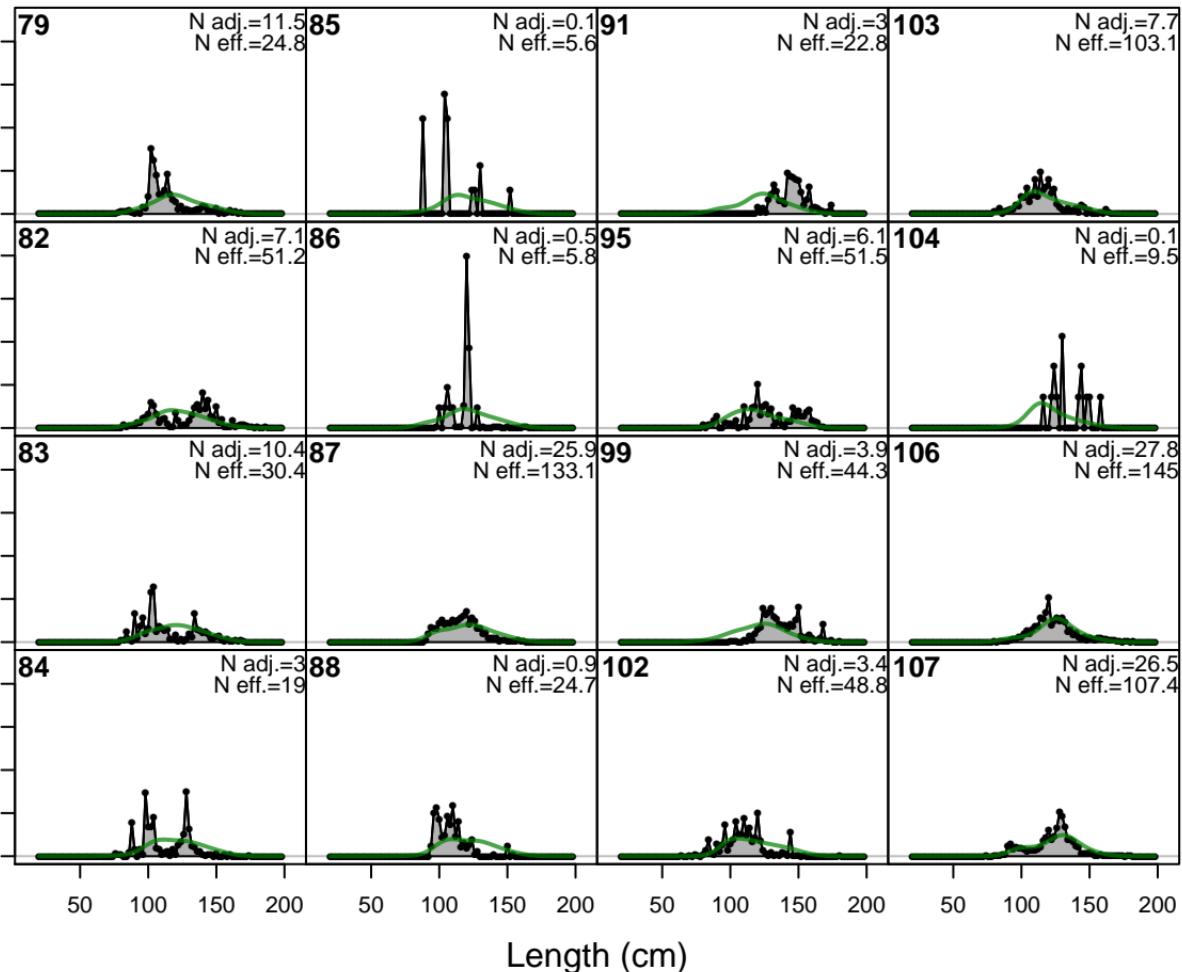
A5-LL-n (whole catch)



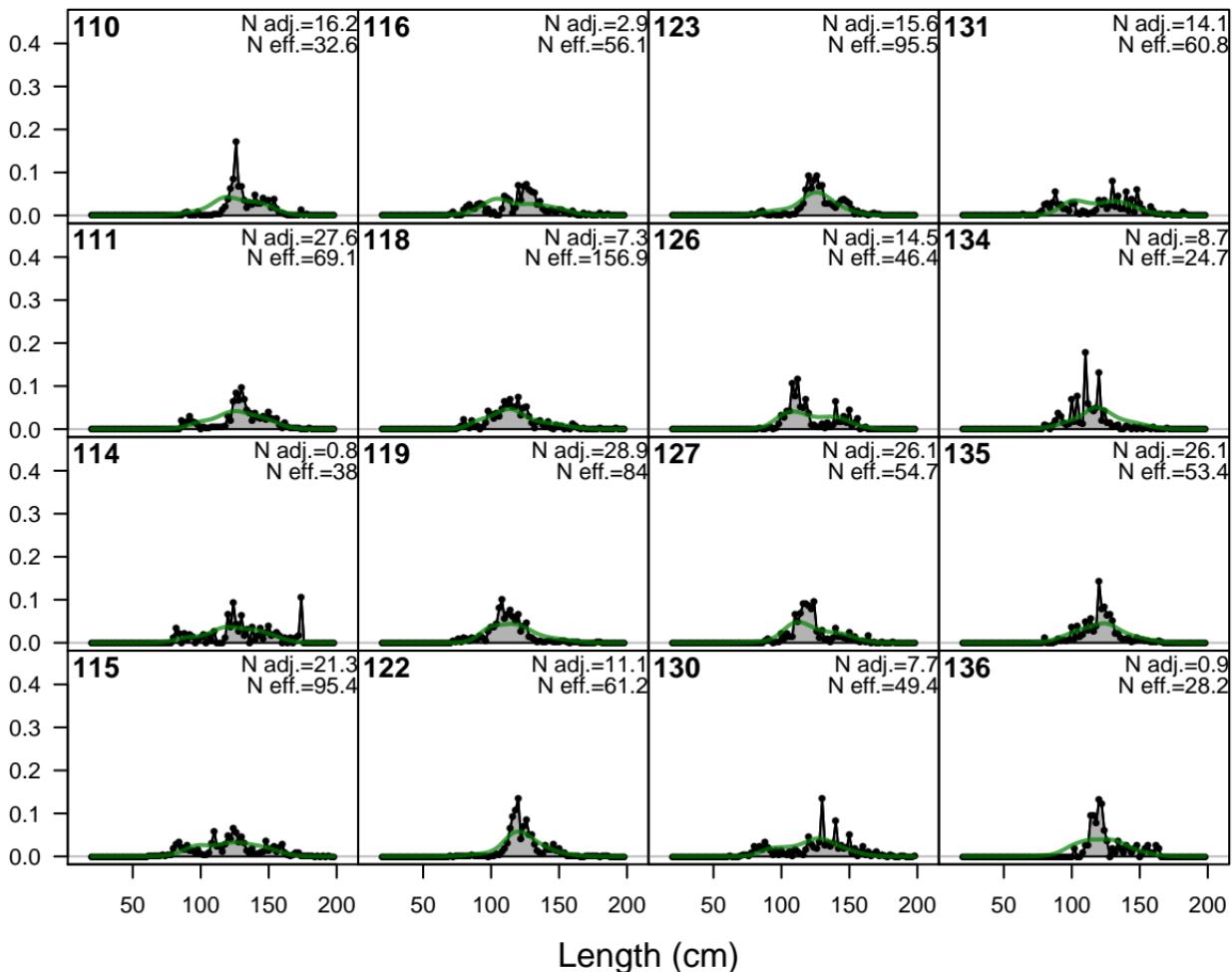
Proportion



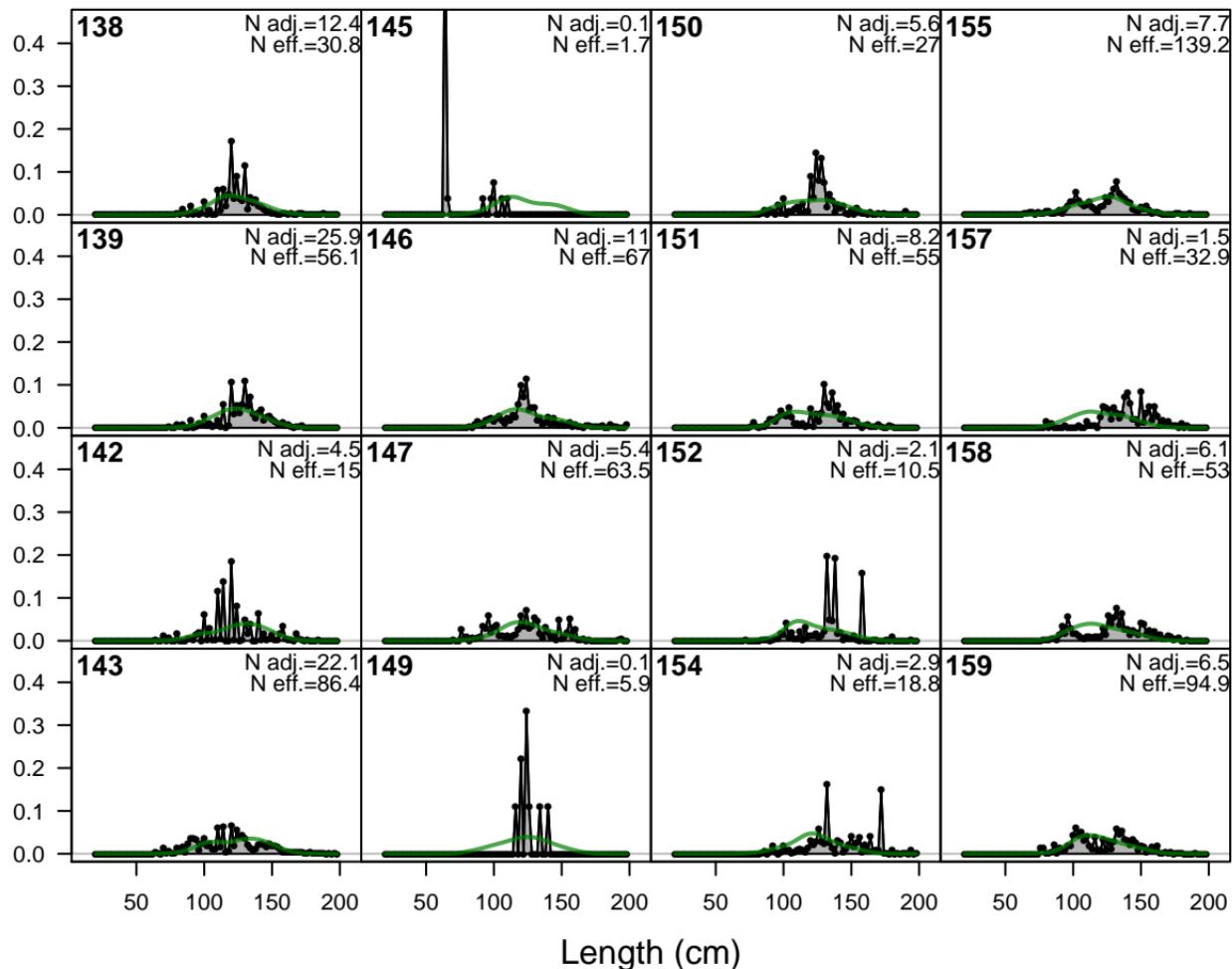
Proportion



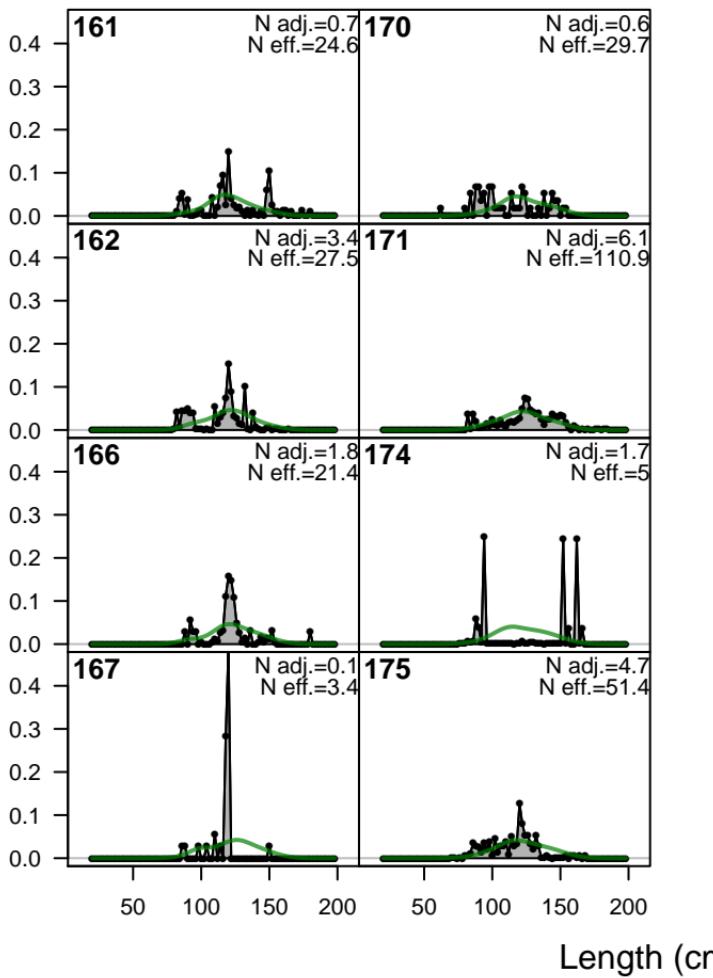
Proportion

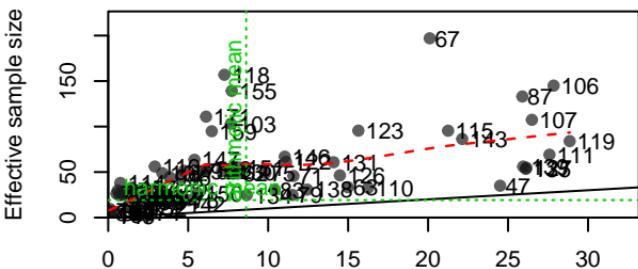
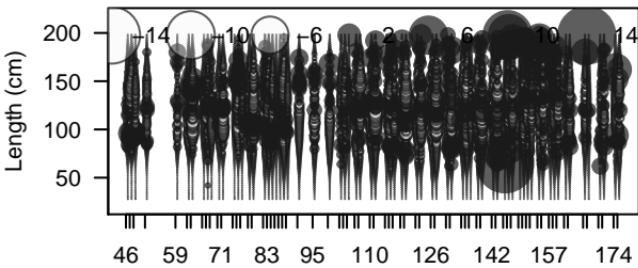


Proportion

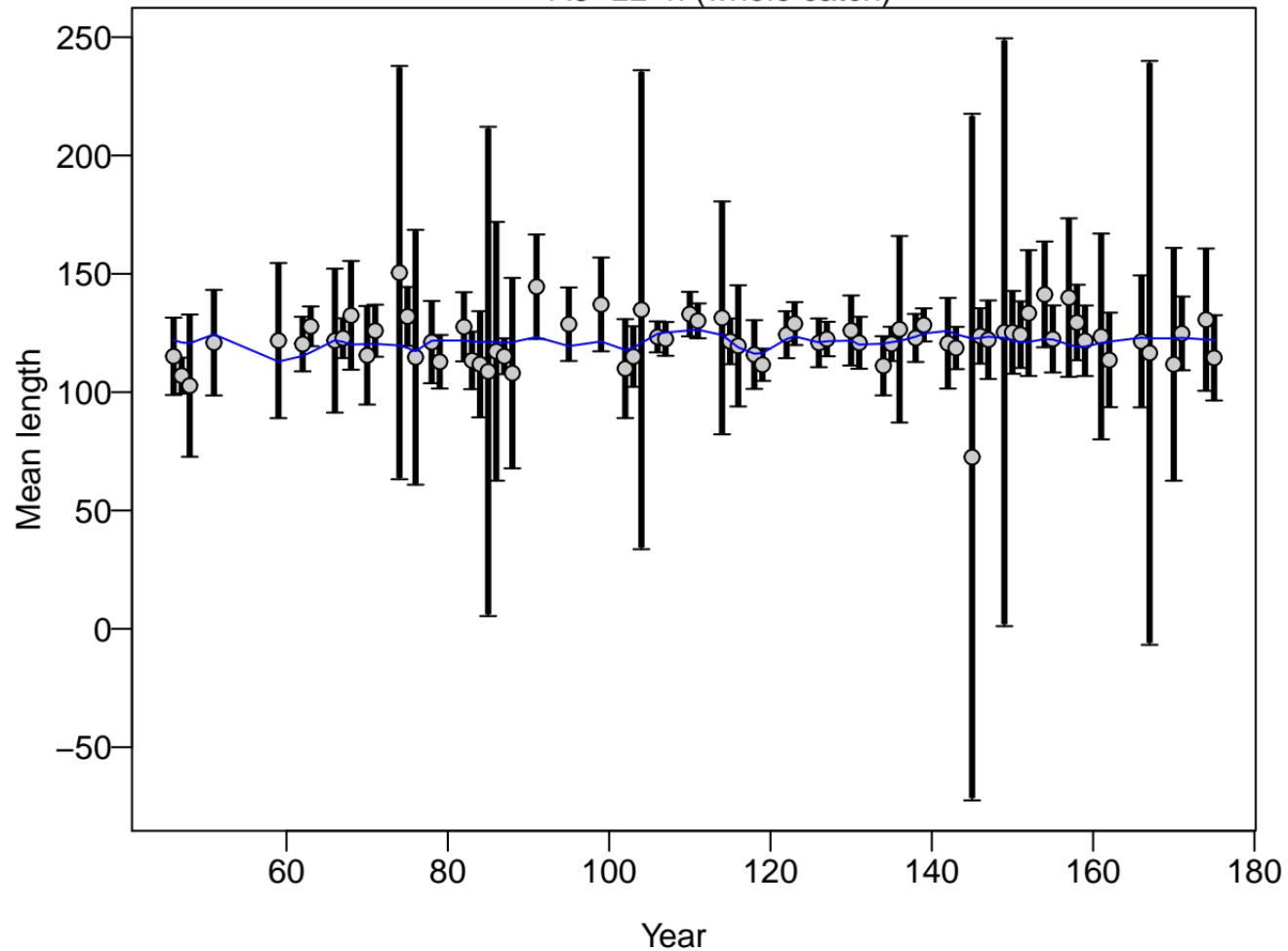


Proportion

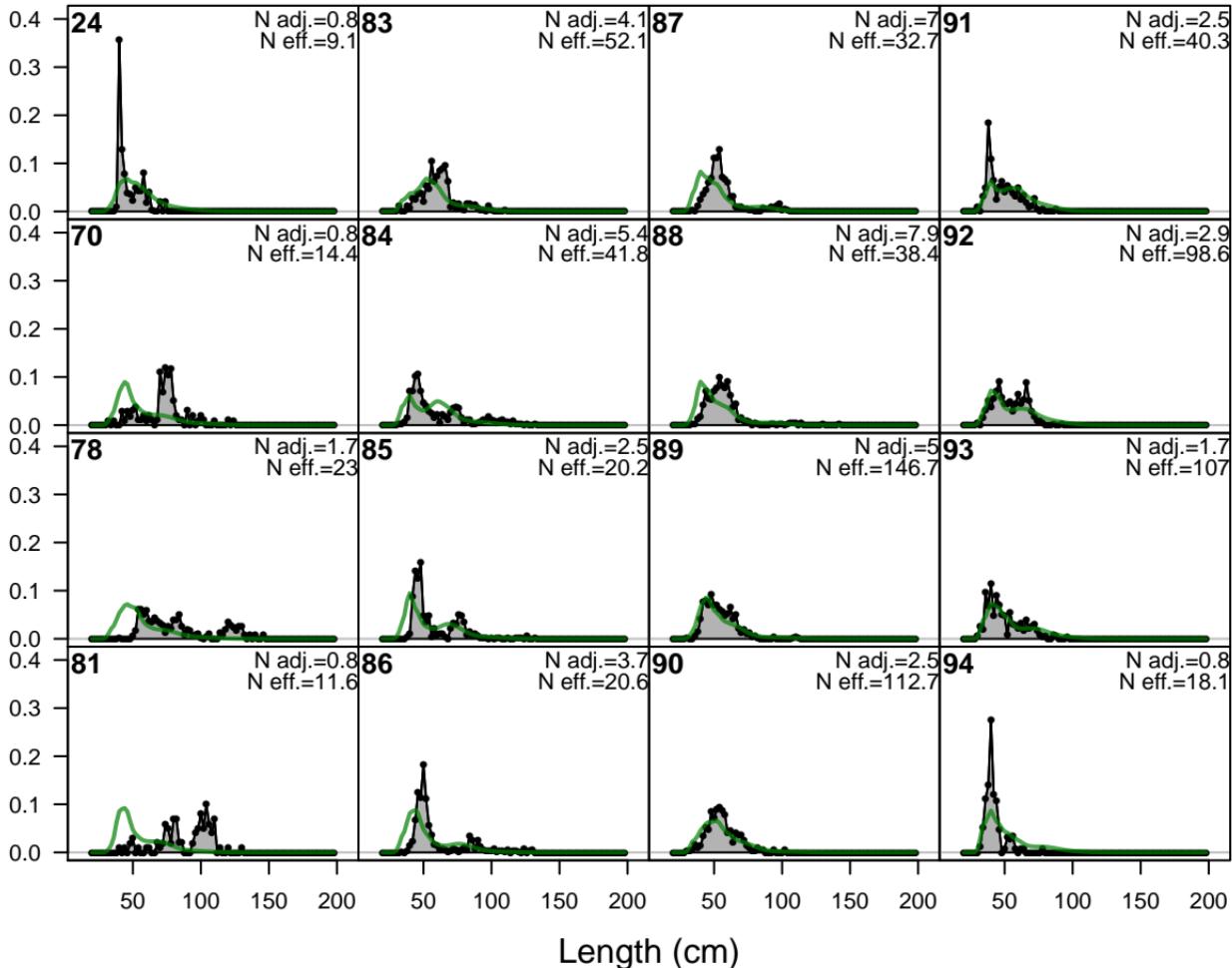




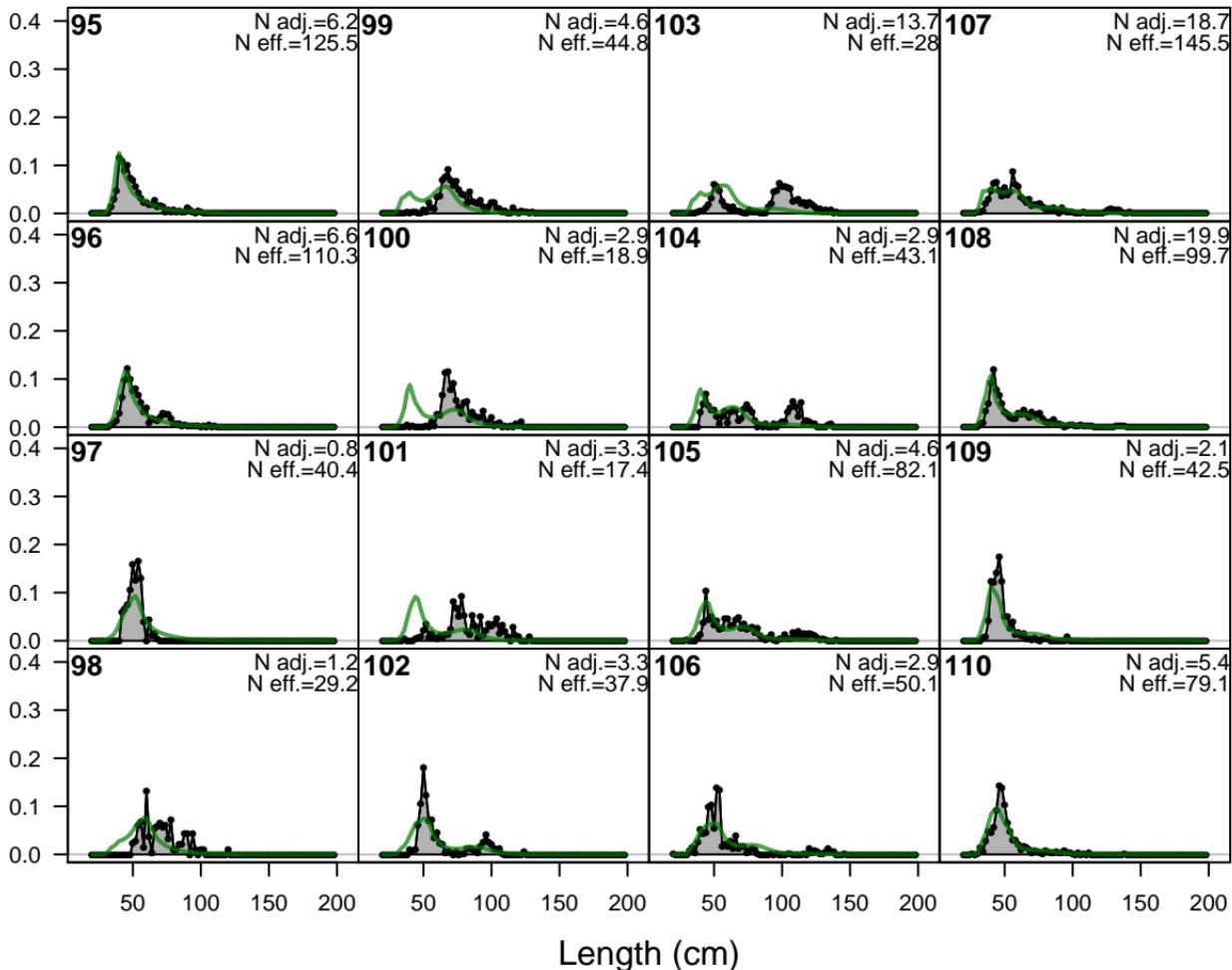
A6-LL-n (whole catch)



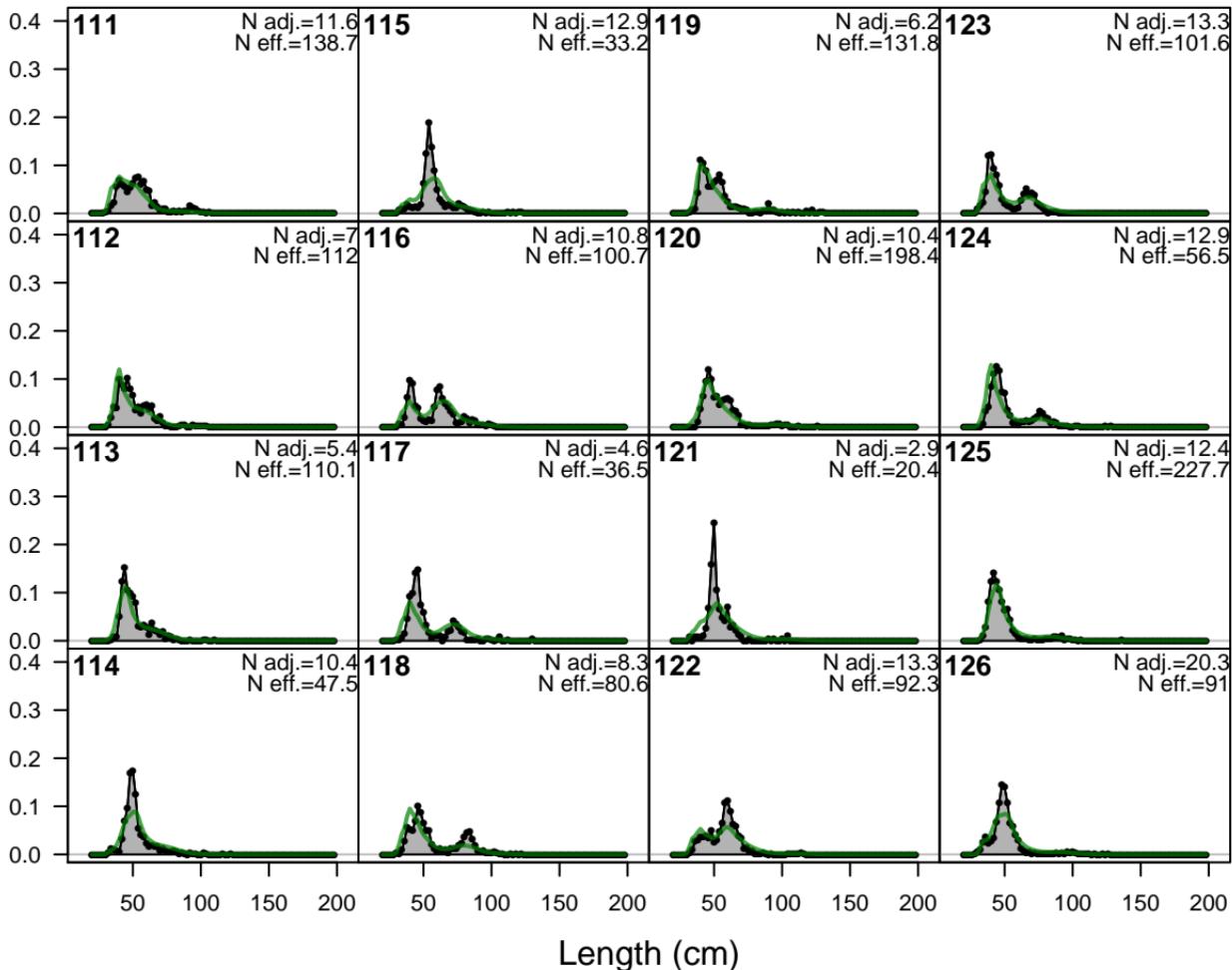
Proportion



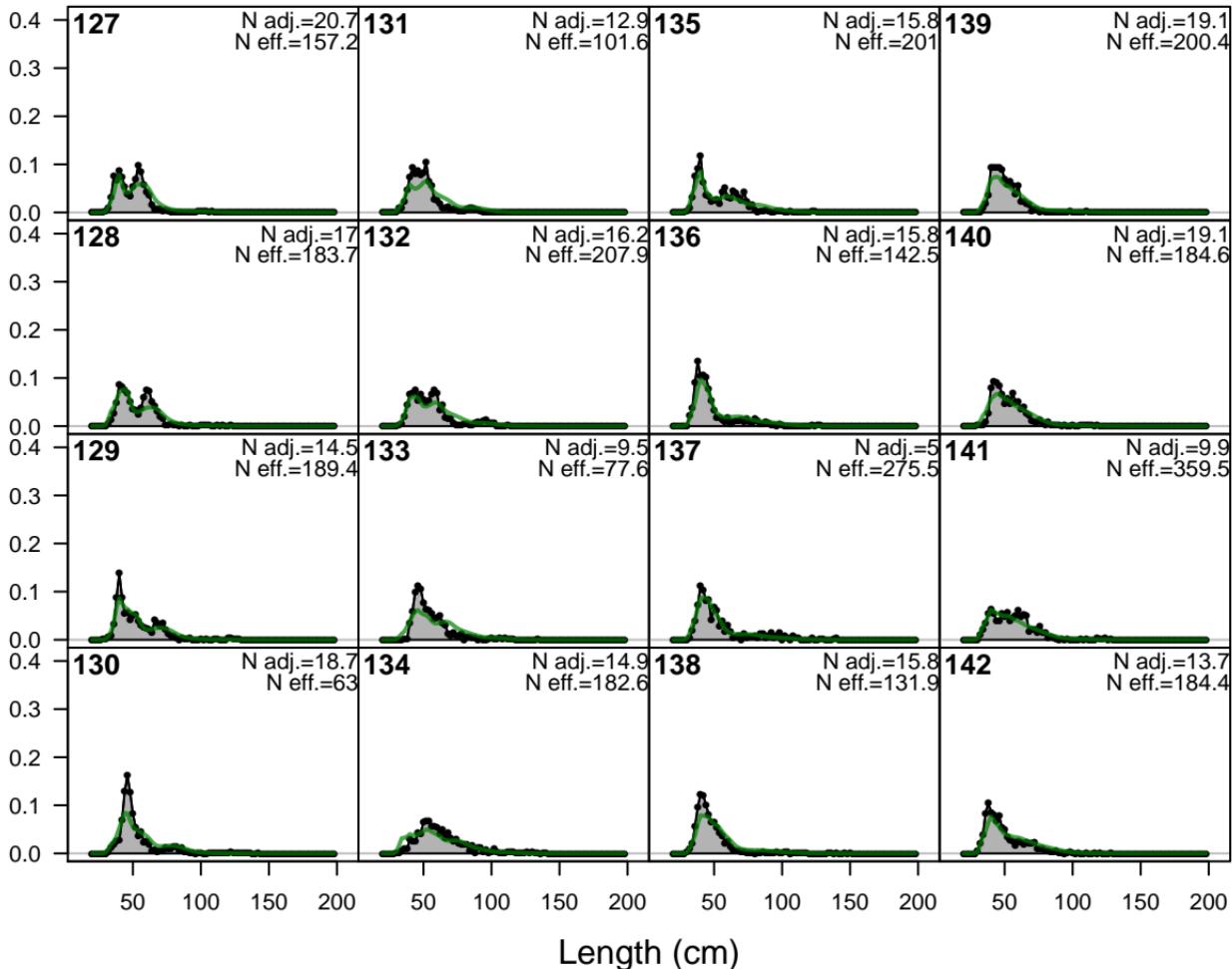
Proportion



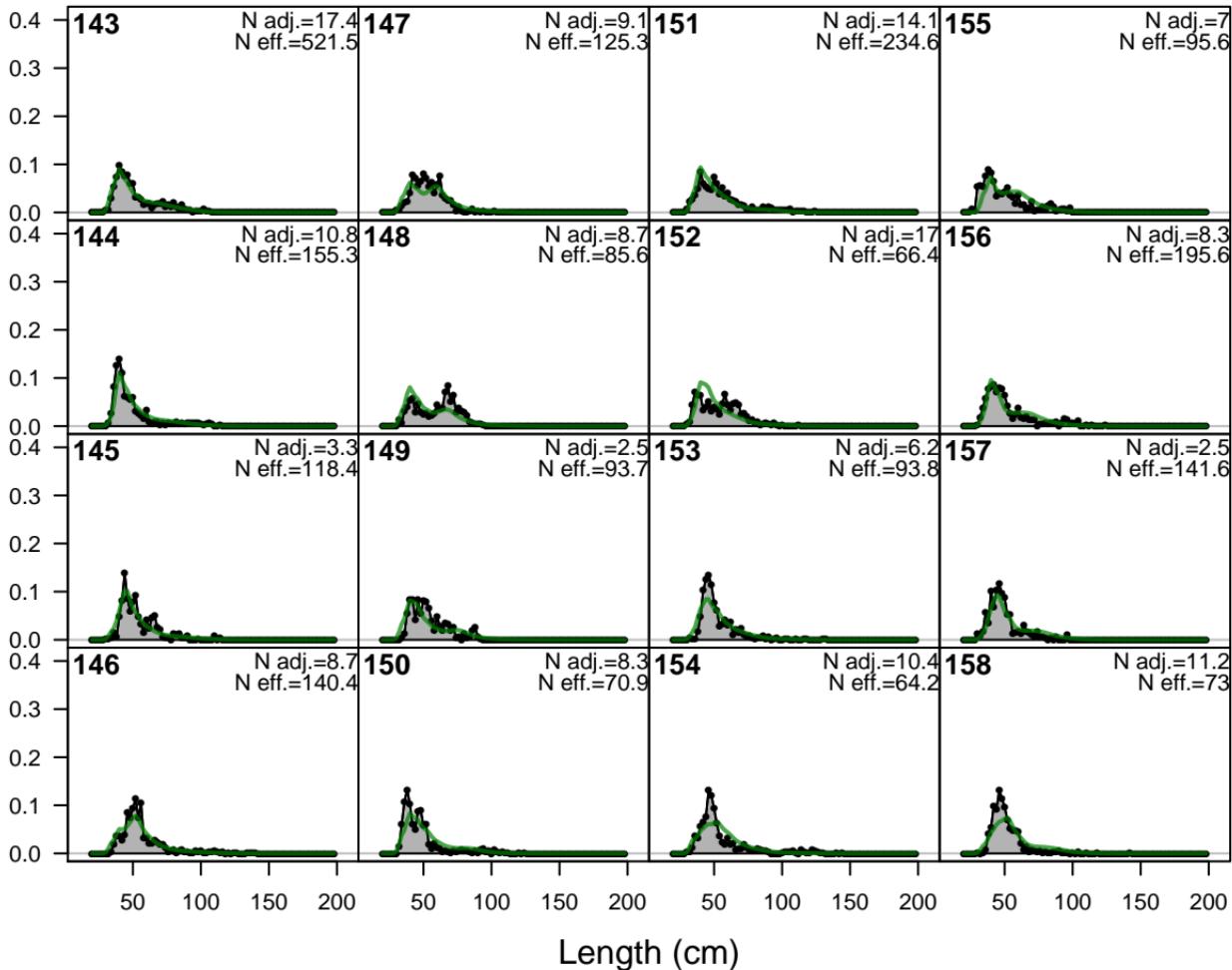
Proportion



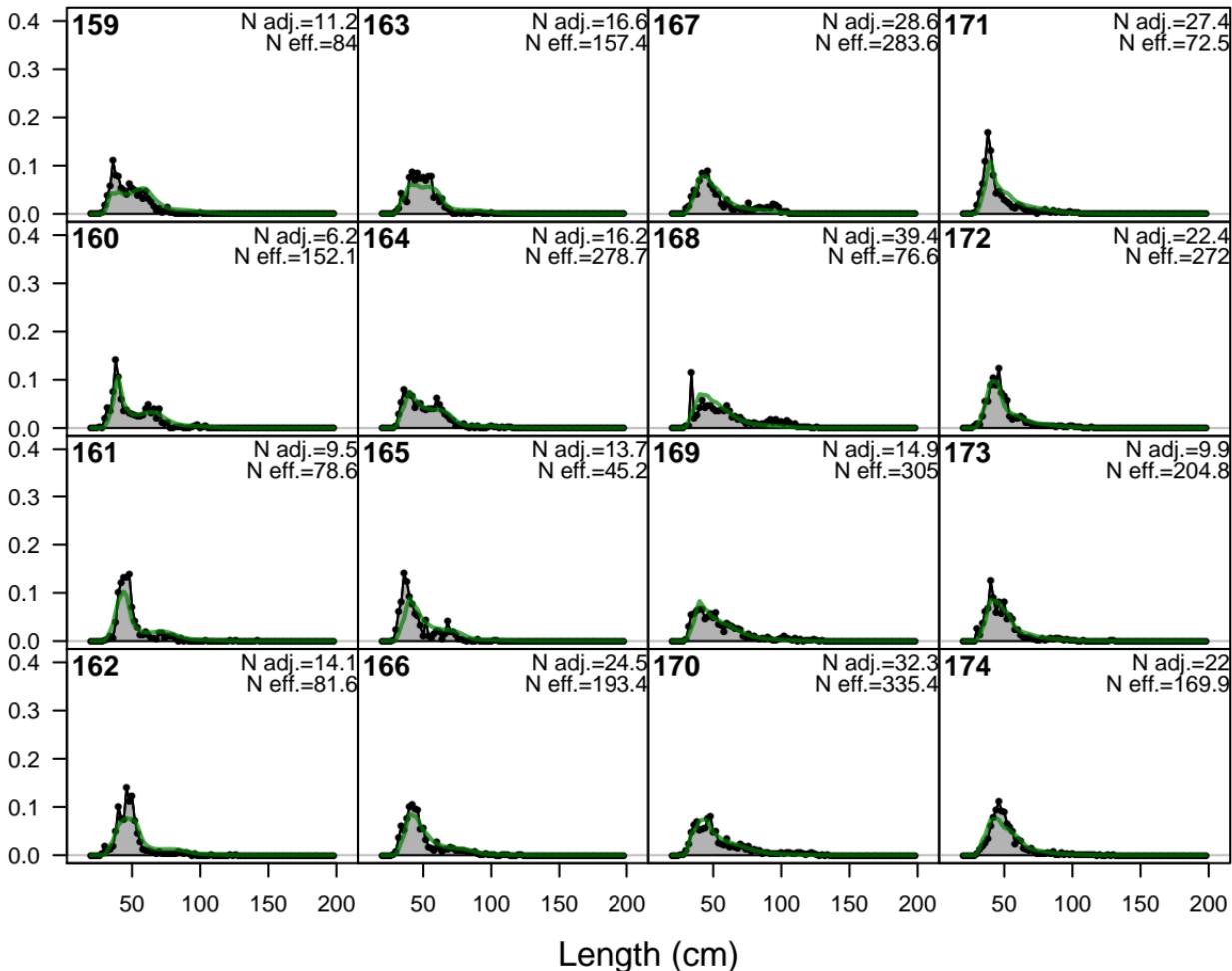
Proportion

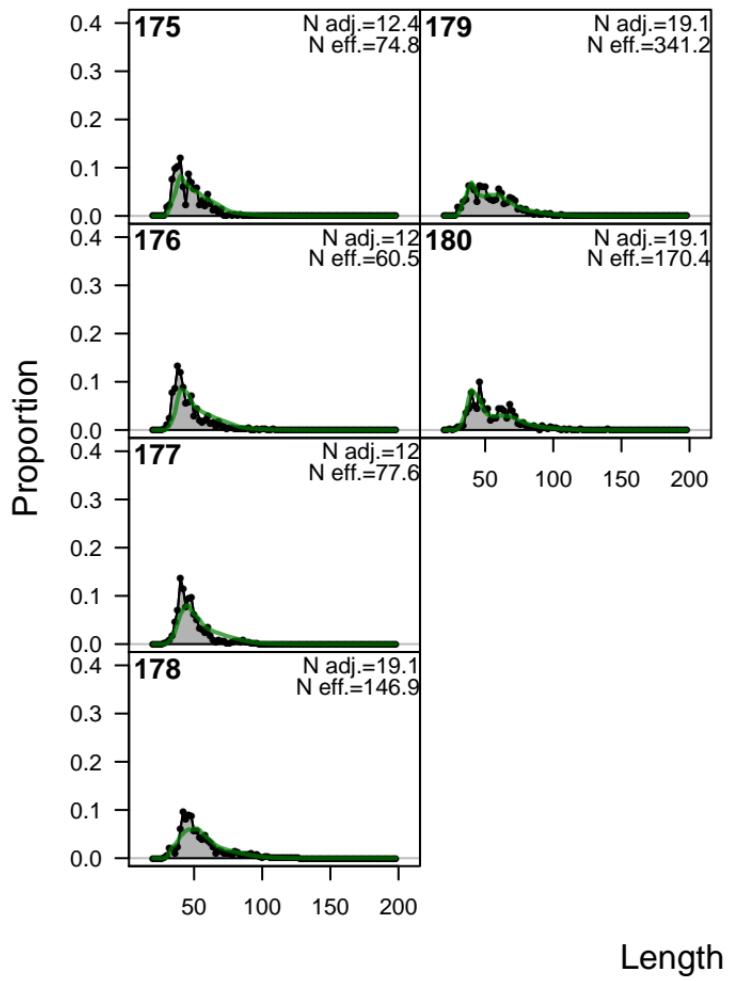


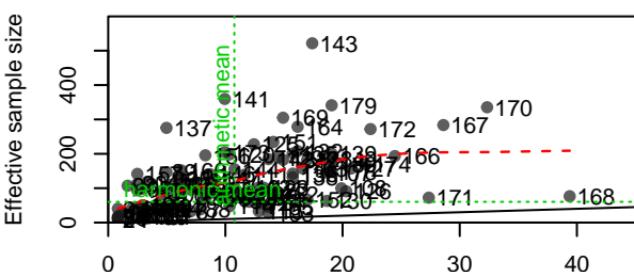
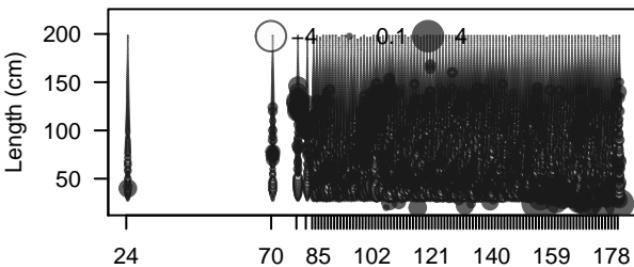
Proportion



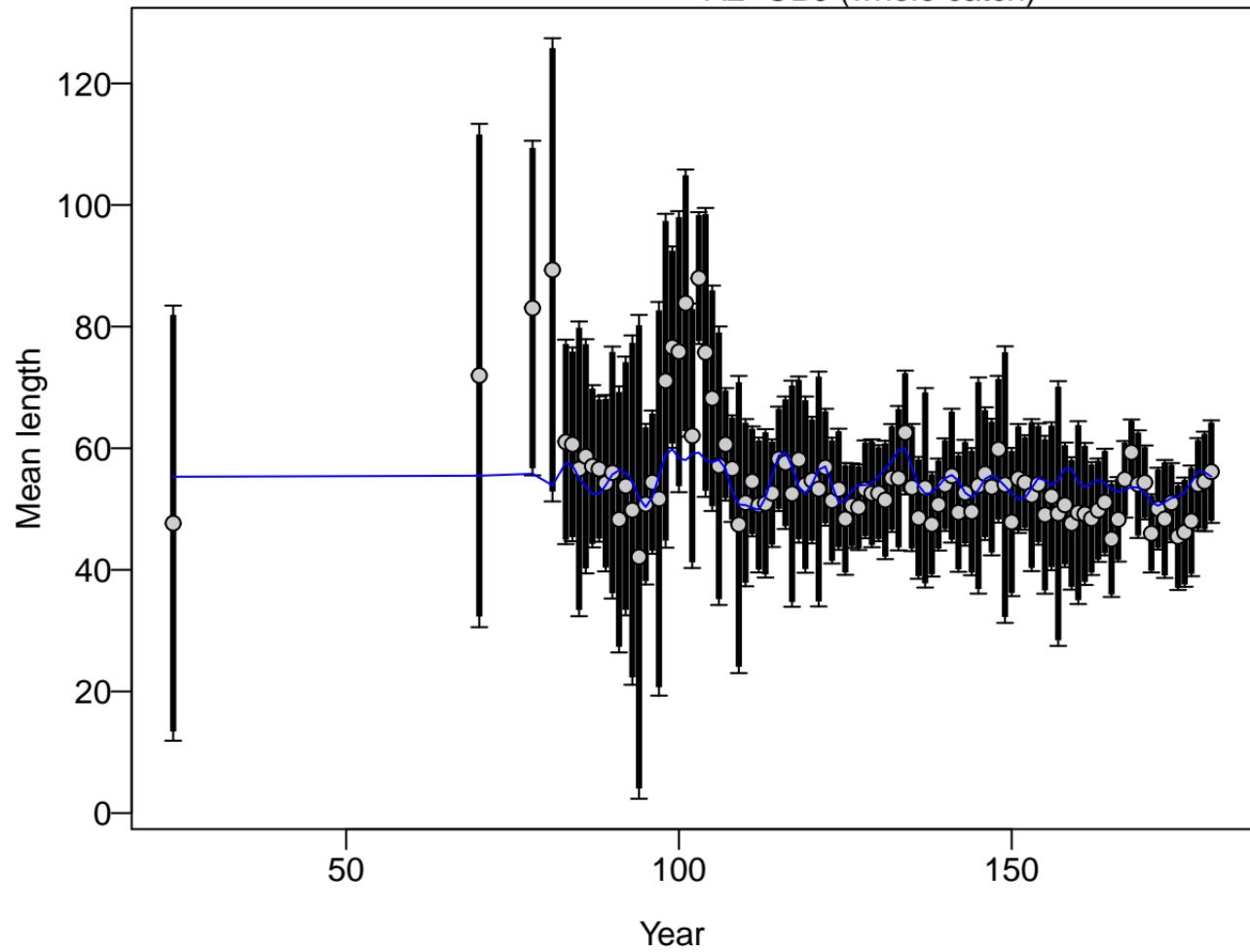
Proportion



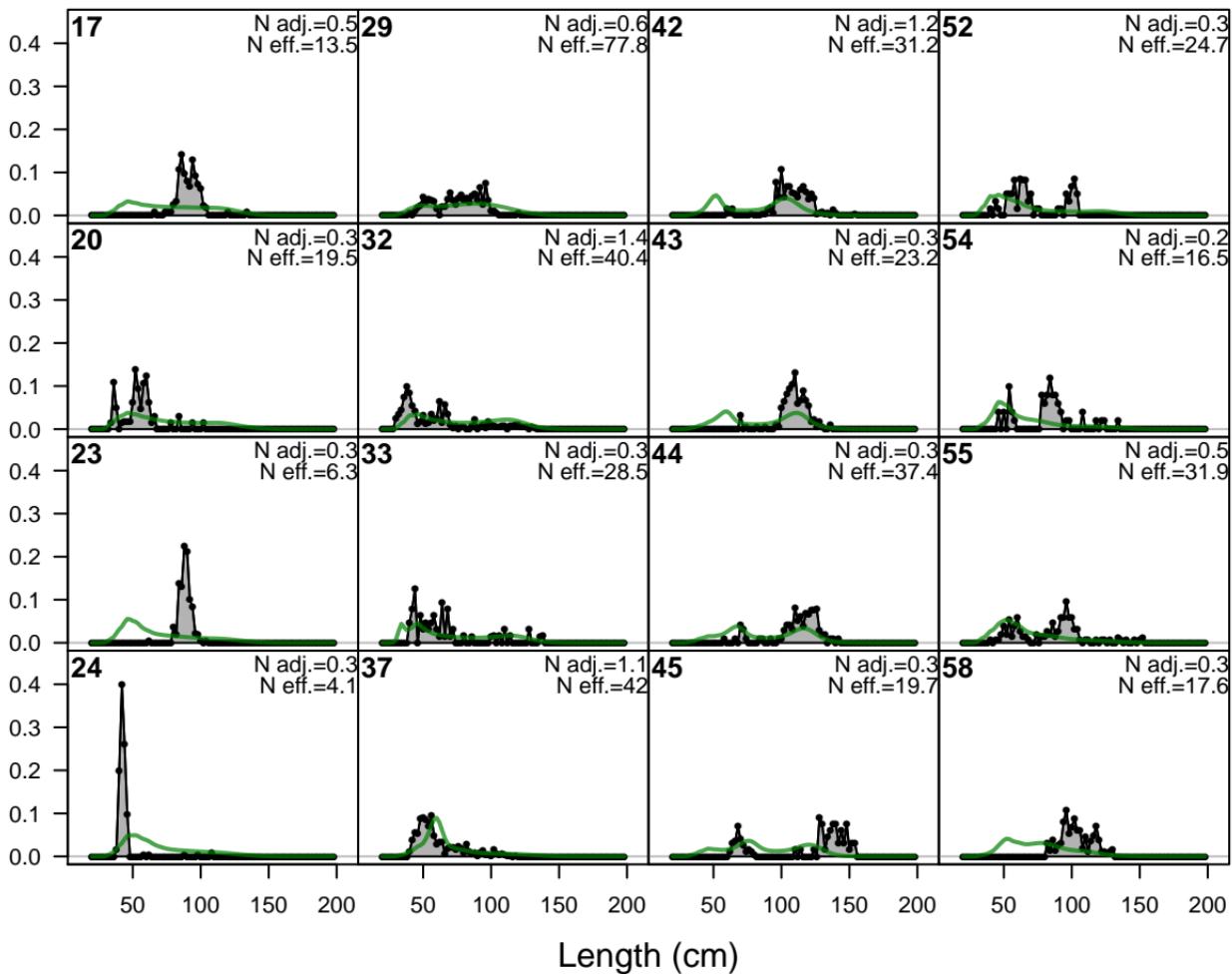




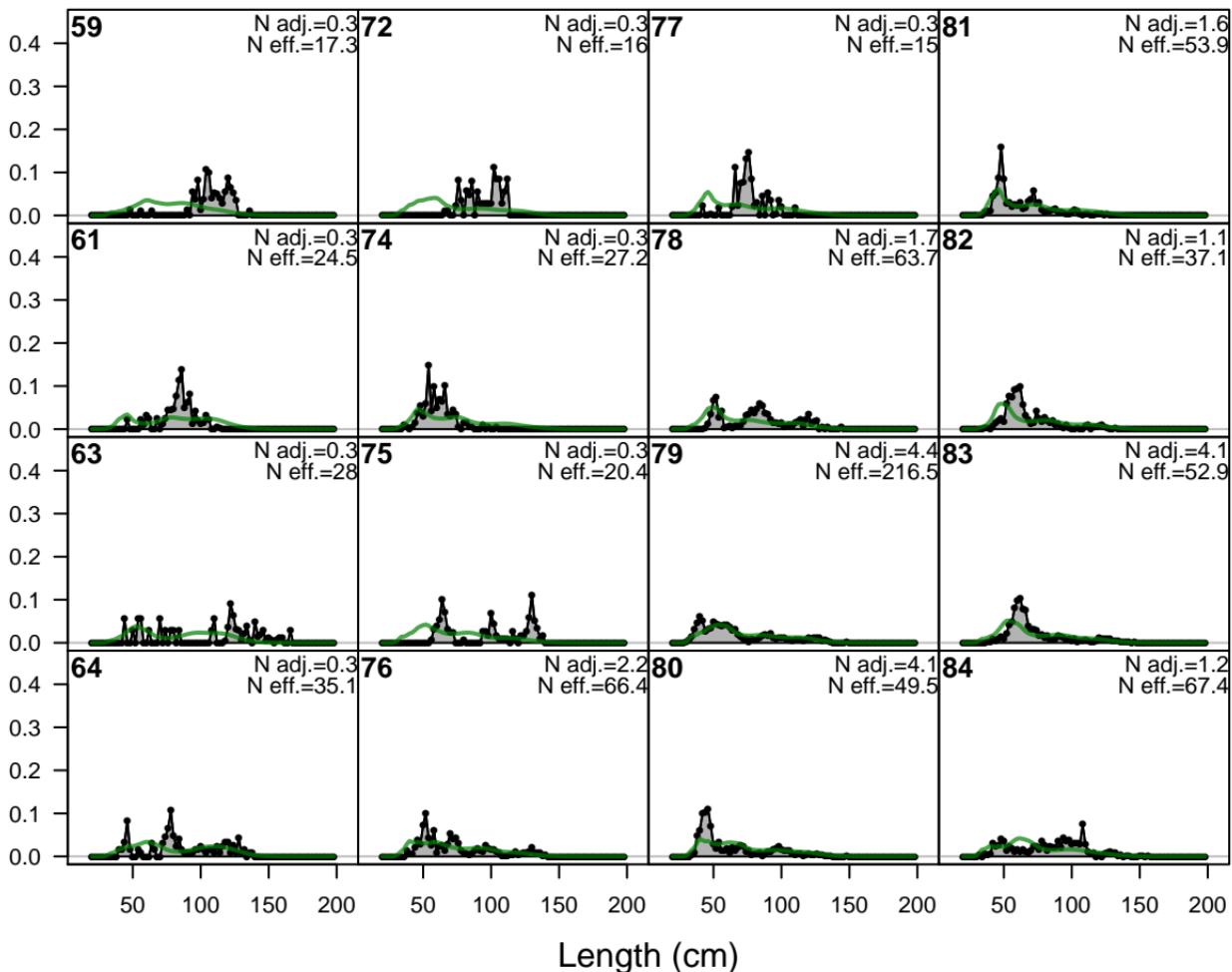
A2-OBJ (whole catch)



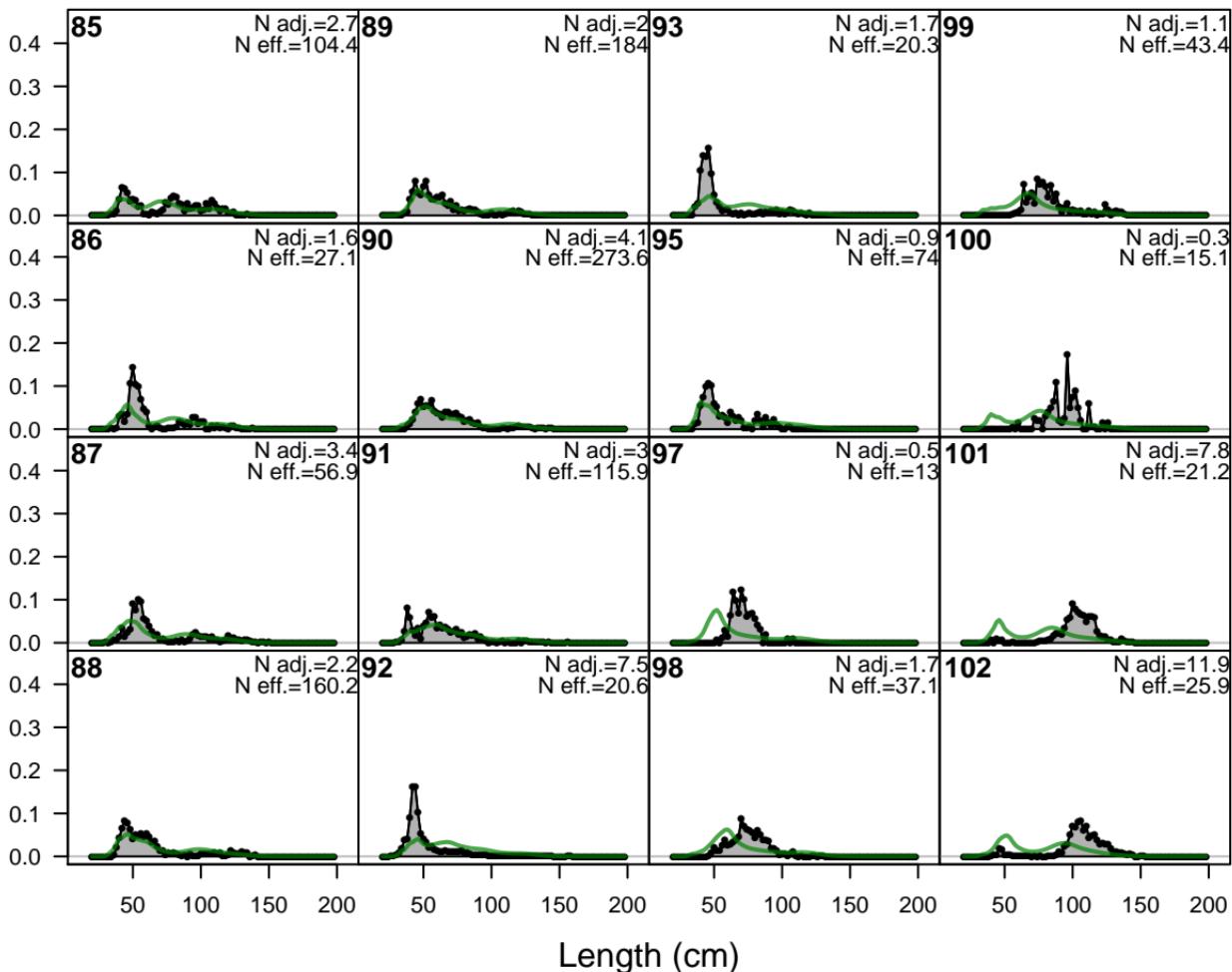
Proportion



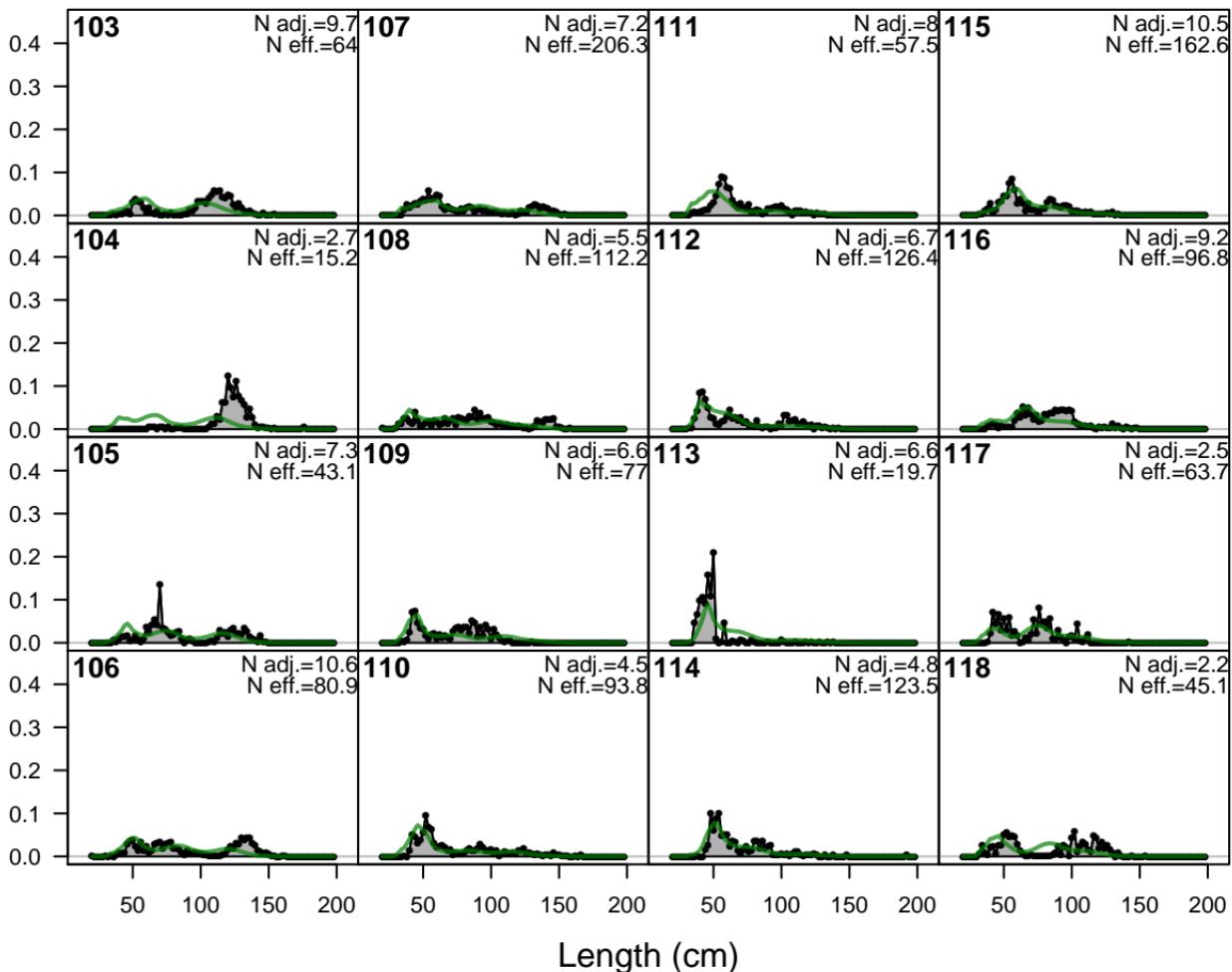
Proportion



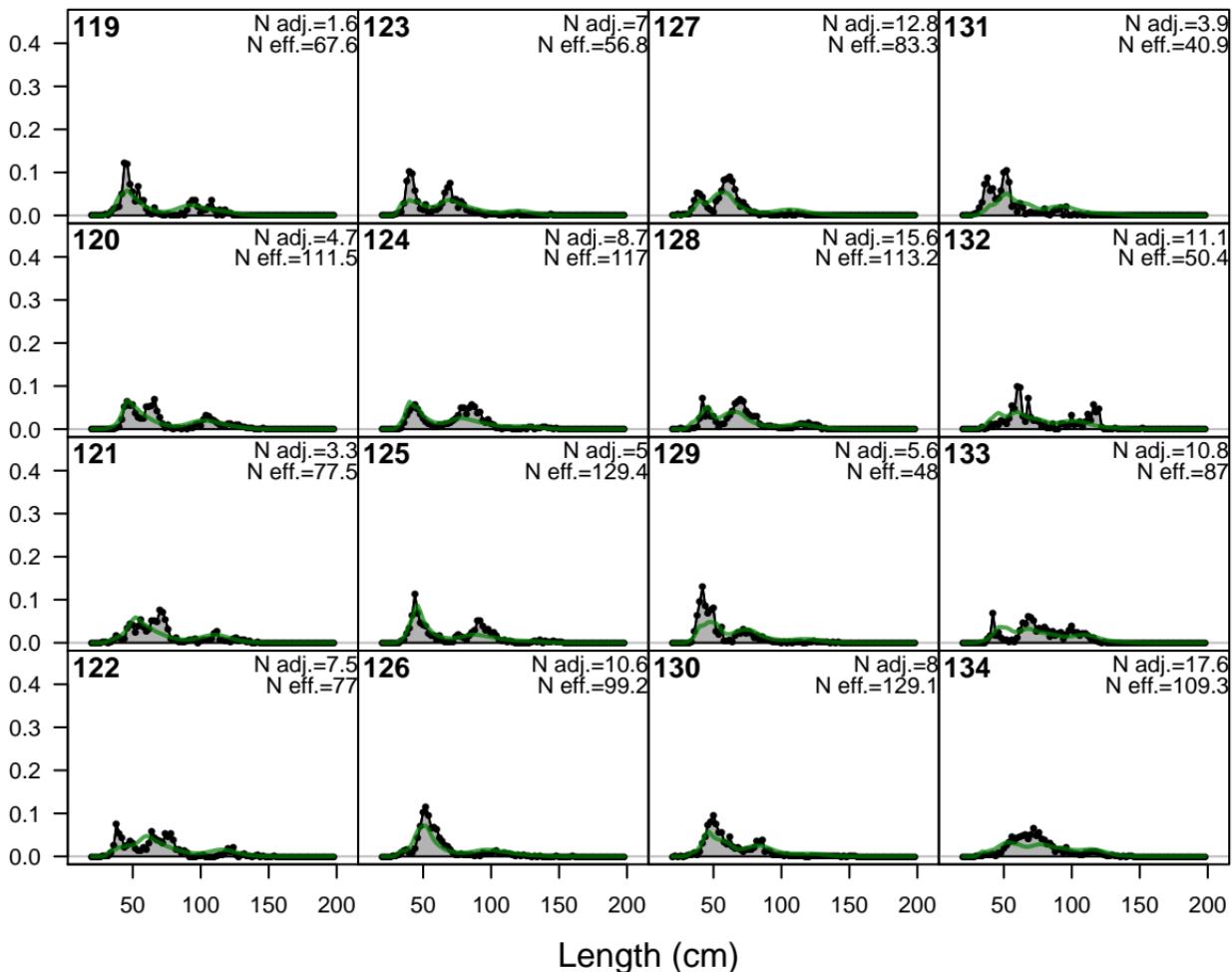
Proportion



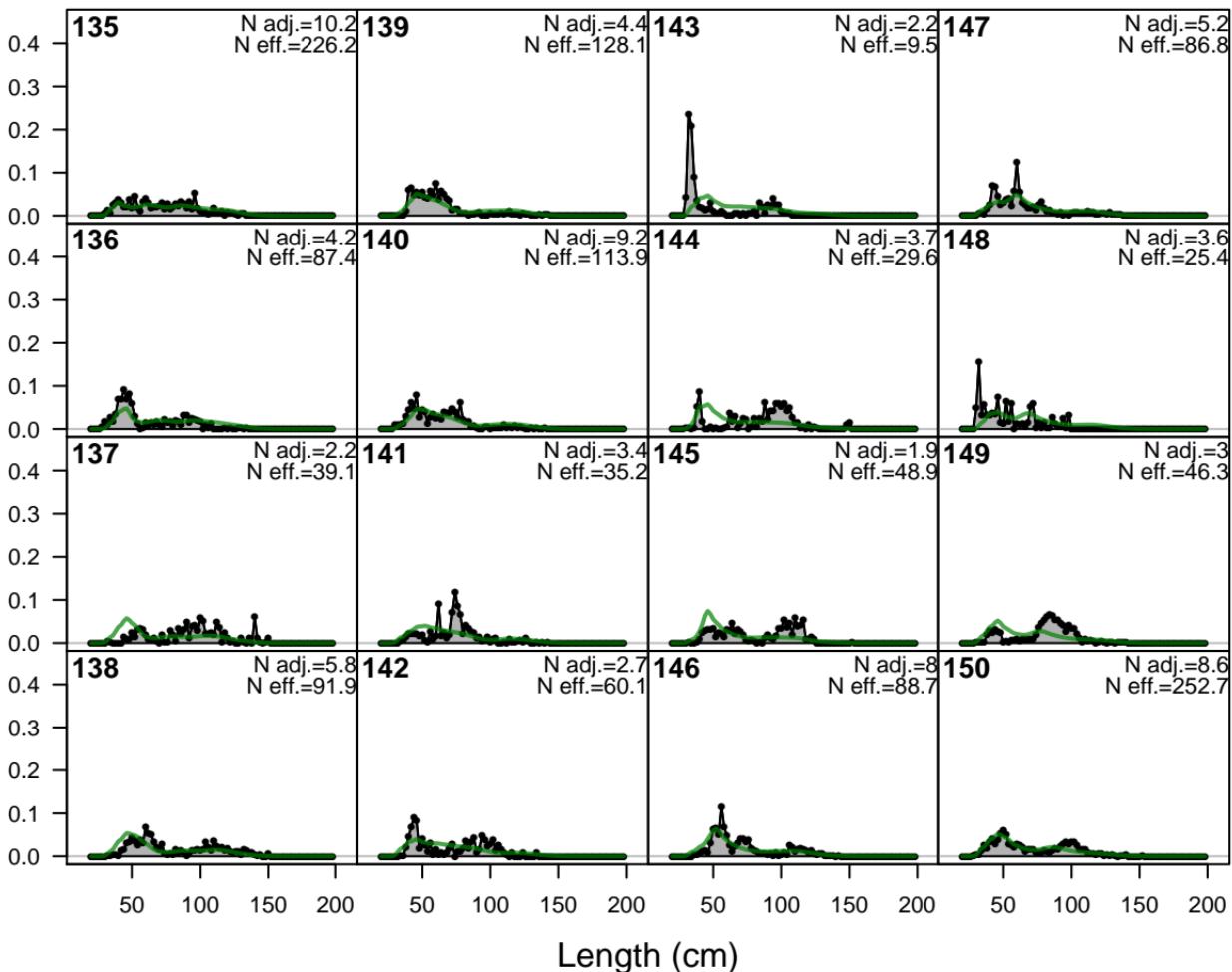
Proportion



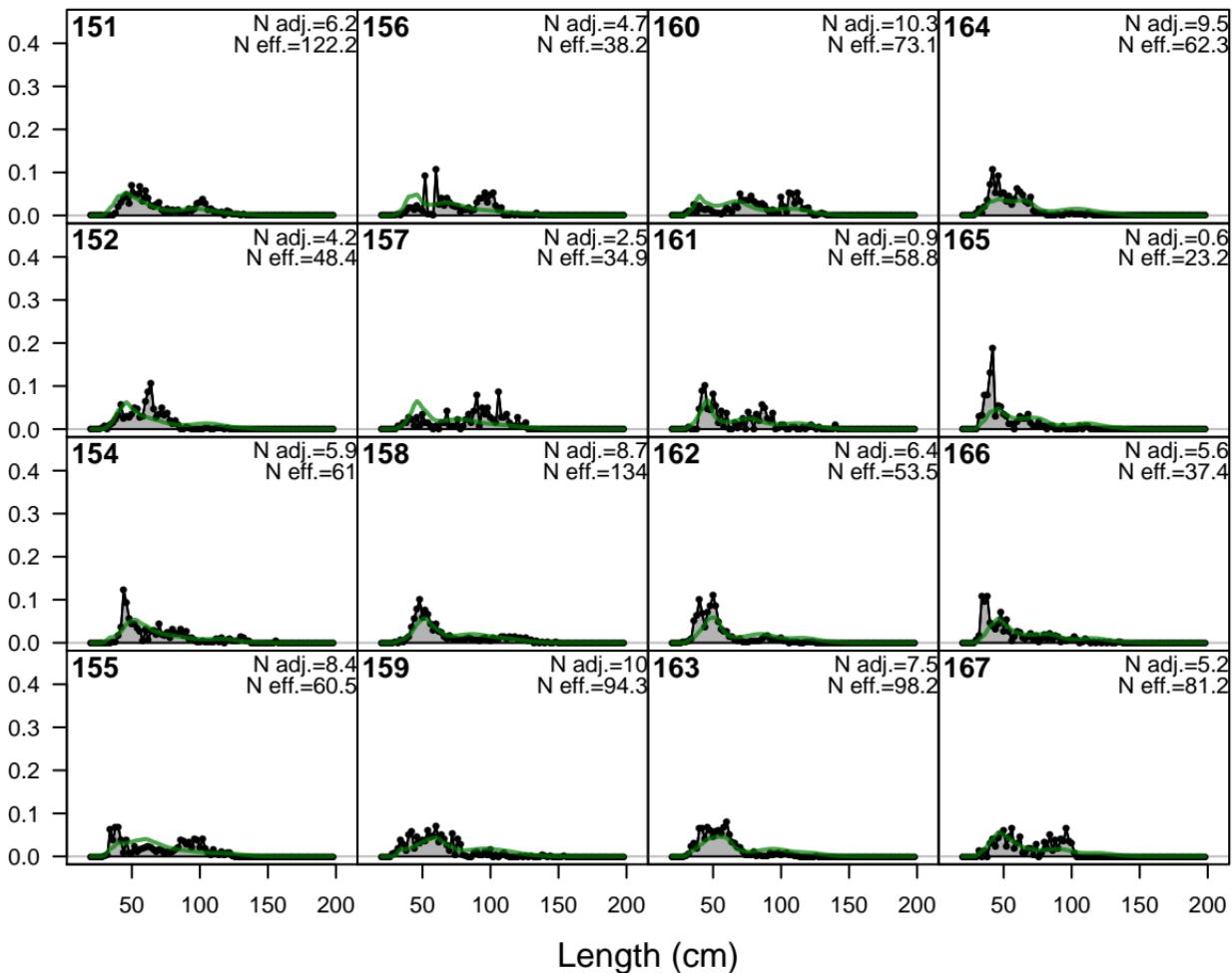
Proportion



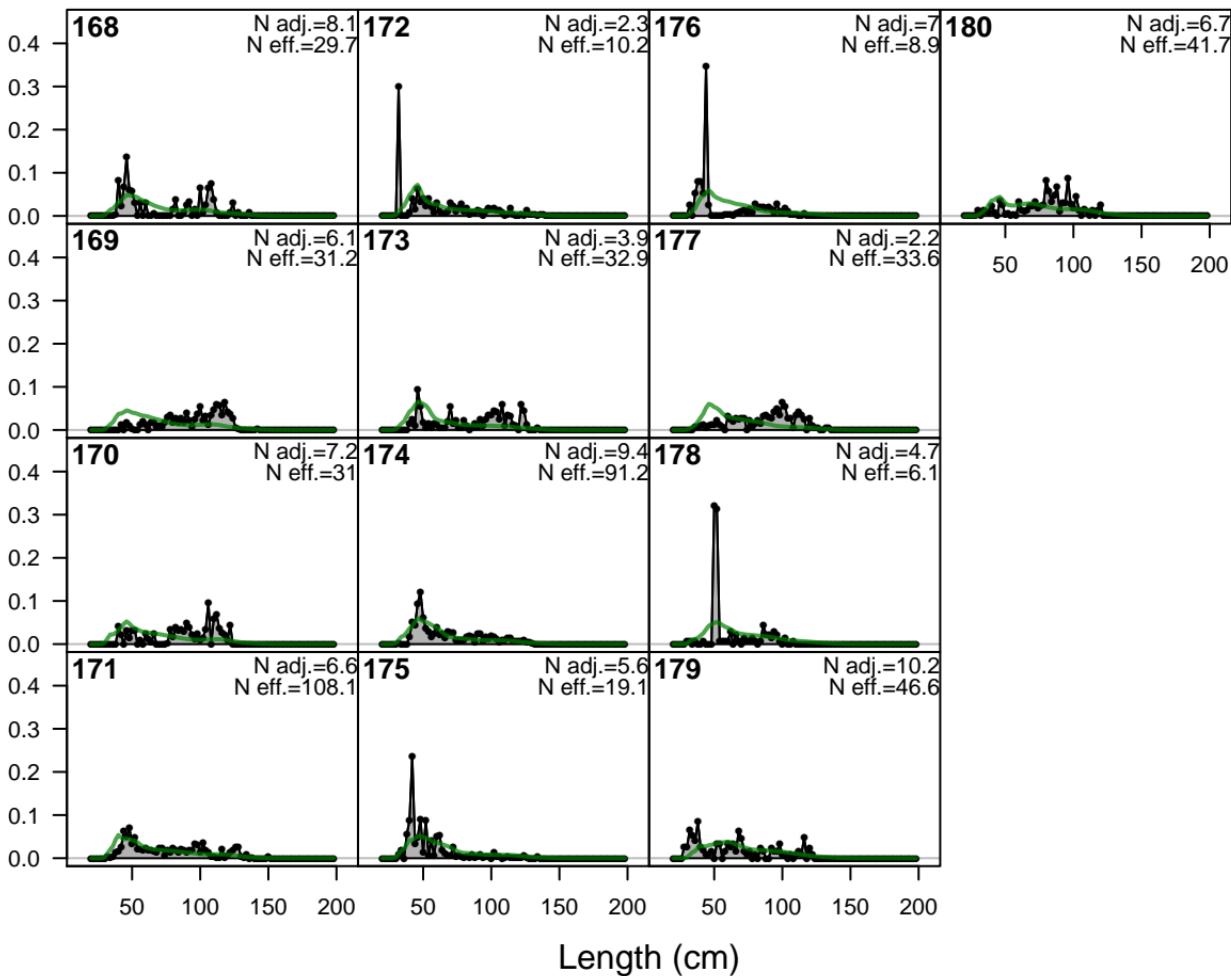
Proportion

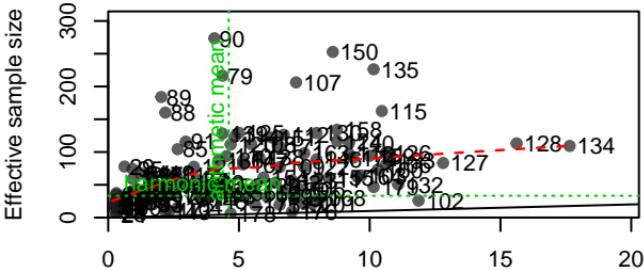
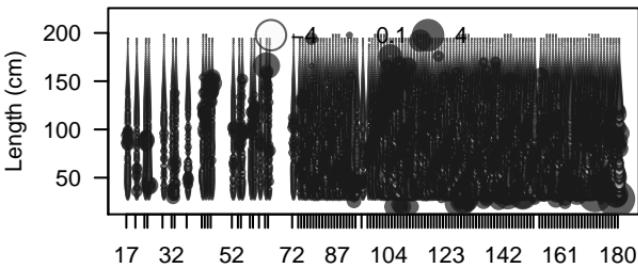


Proportion

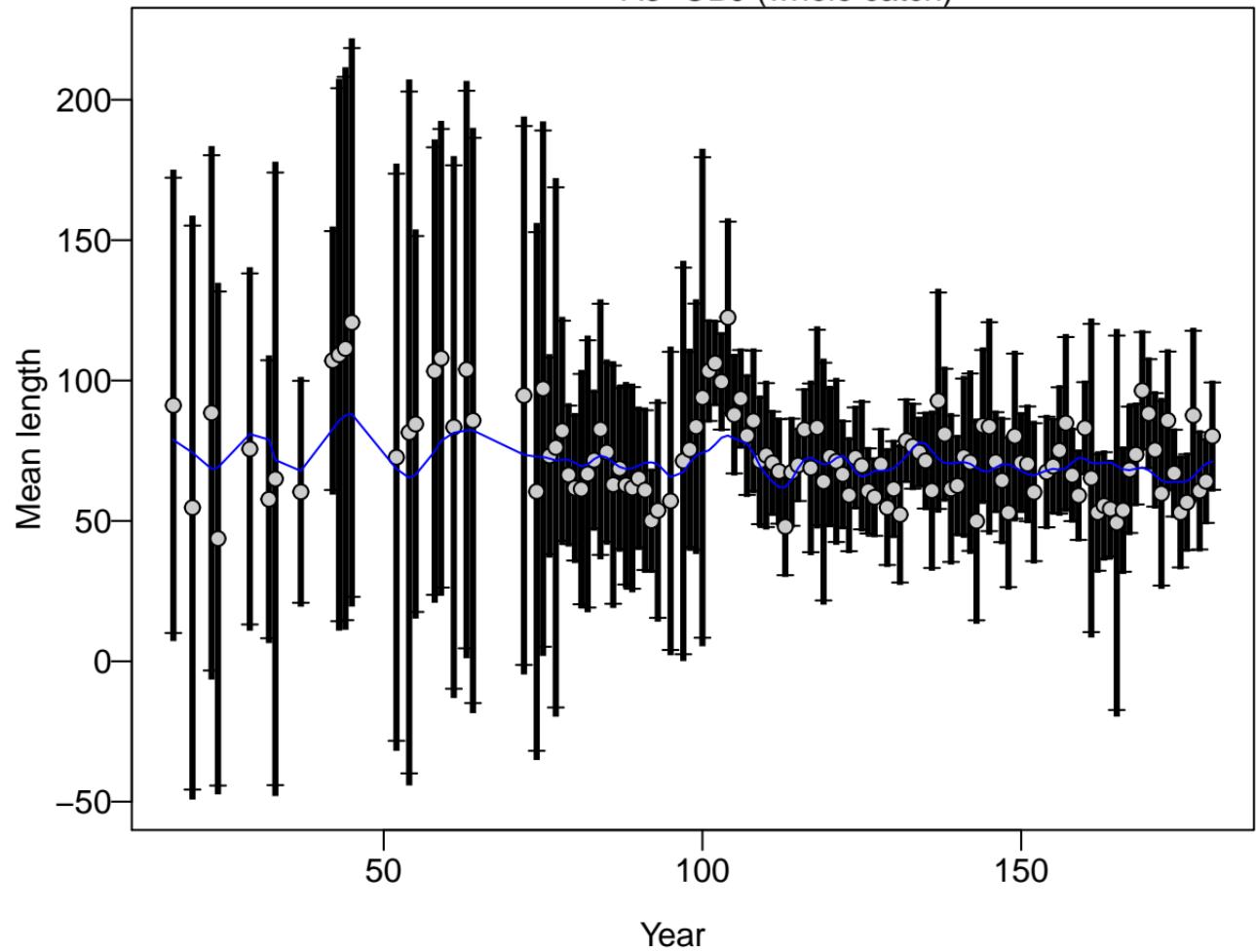


Proportion

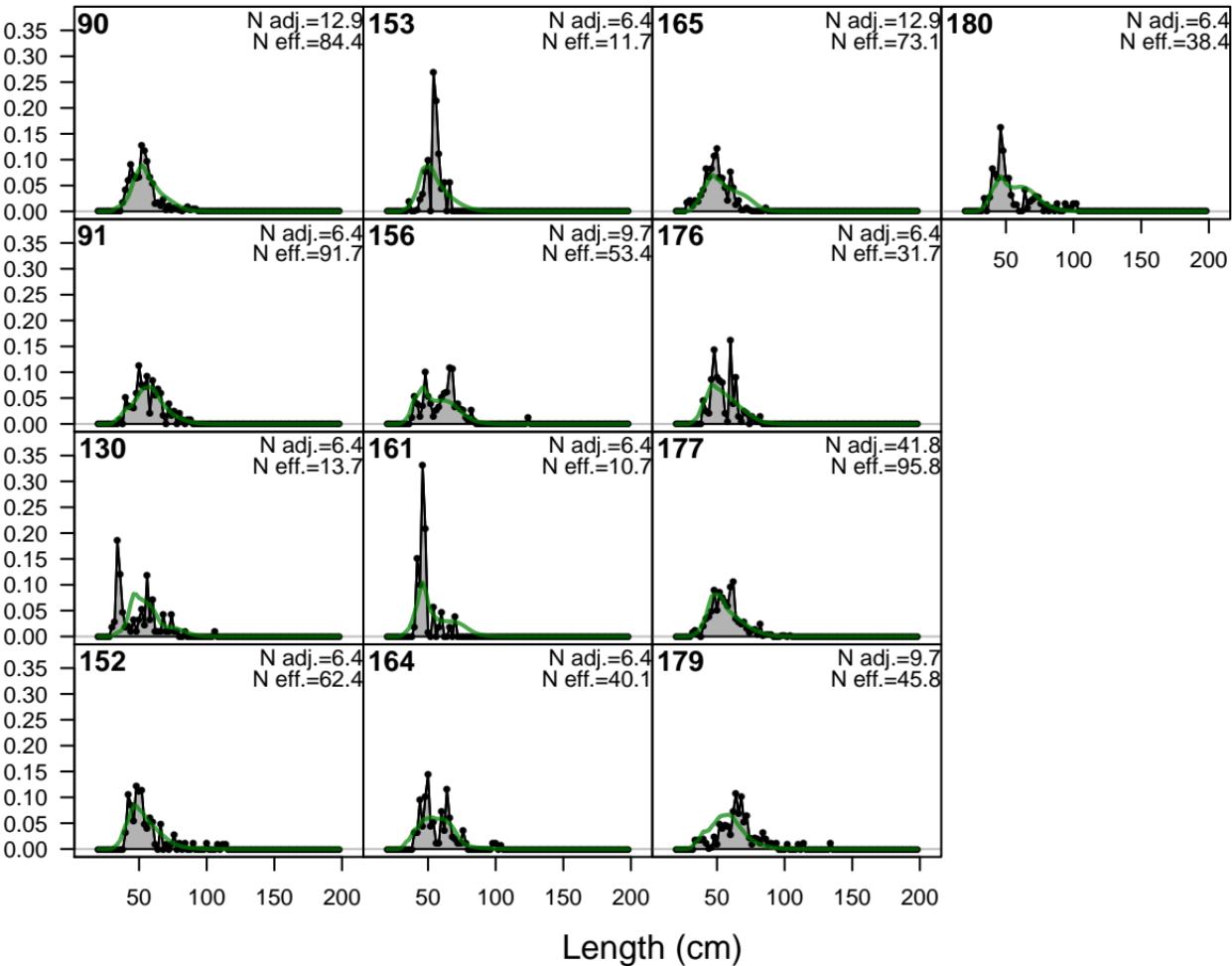


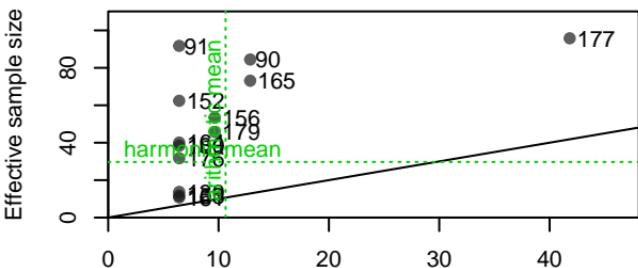
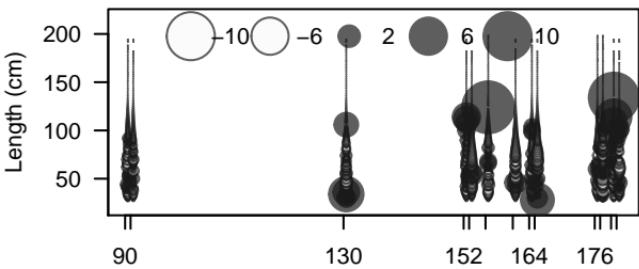


A3-OBJ (whole catch)

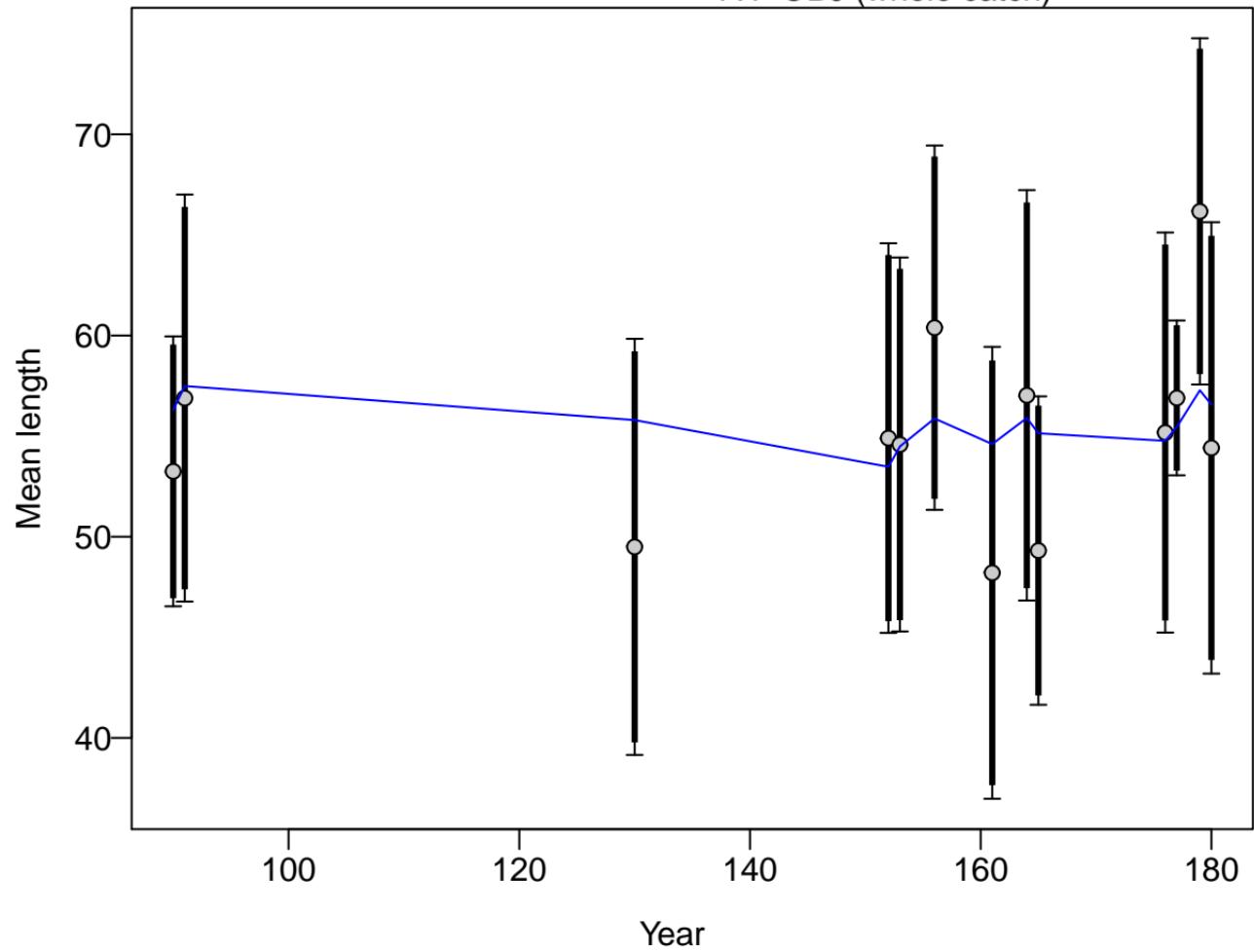


Proportion

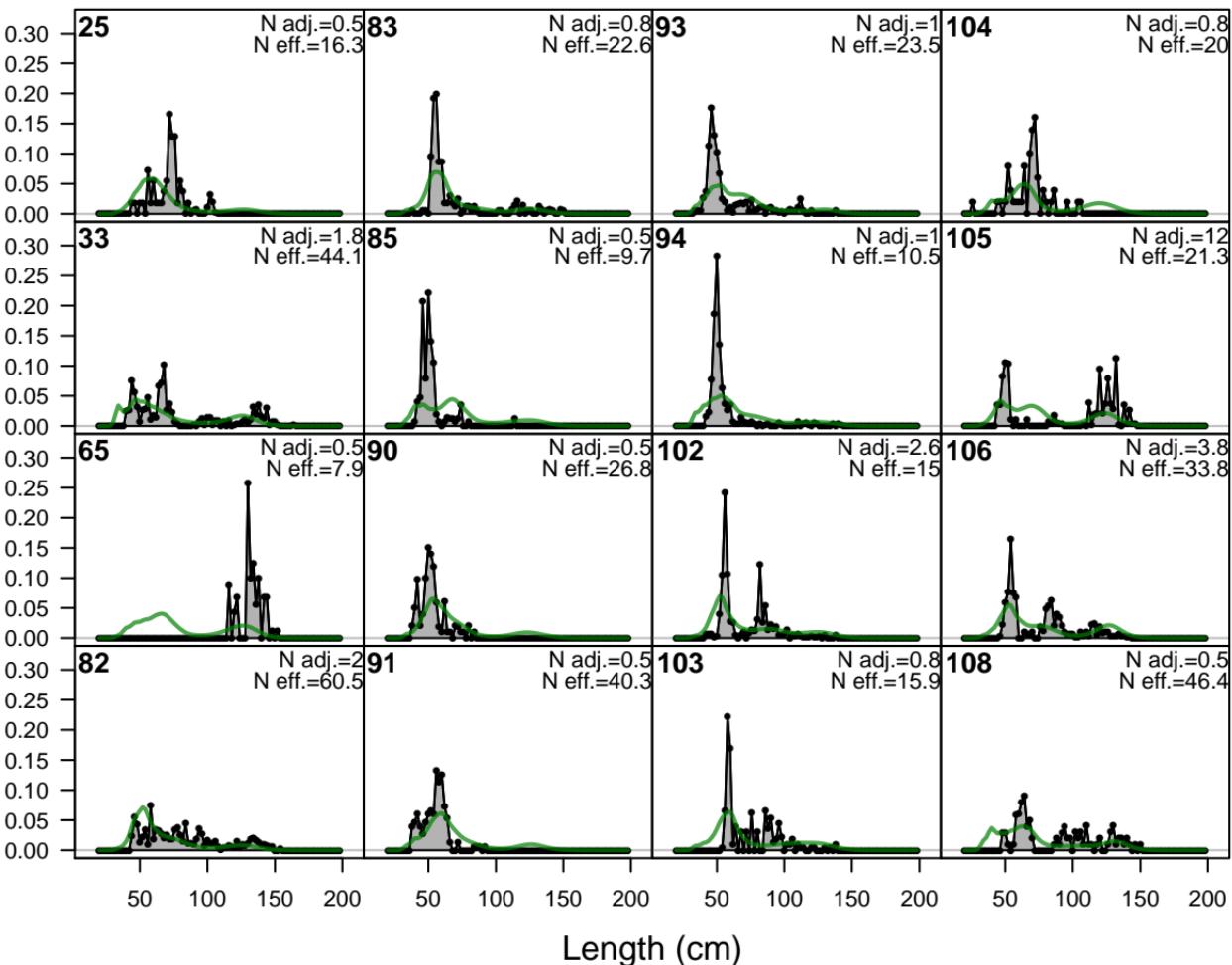




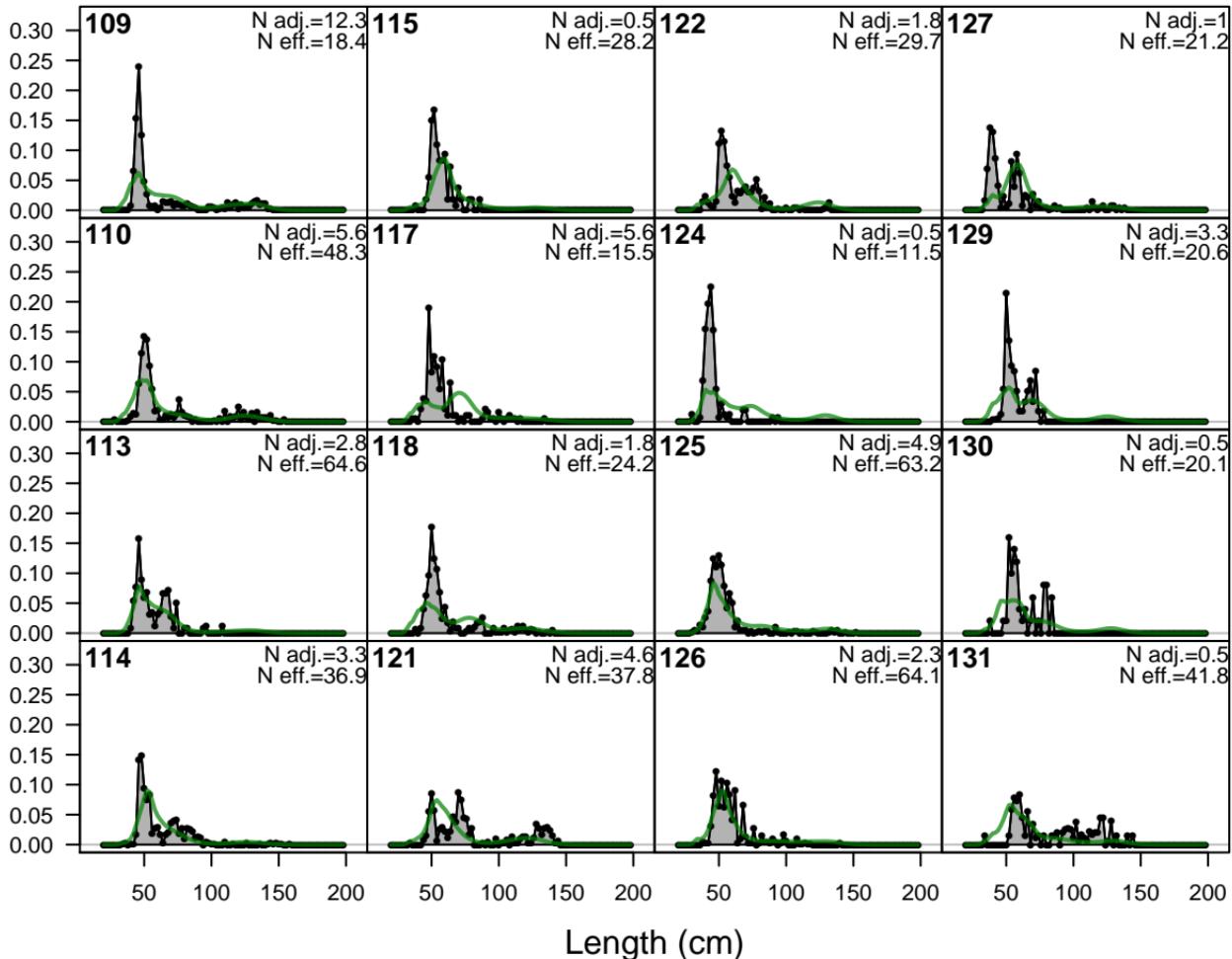
A4-OBJ (whole catch)



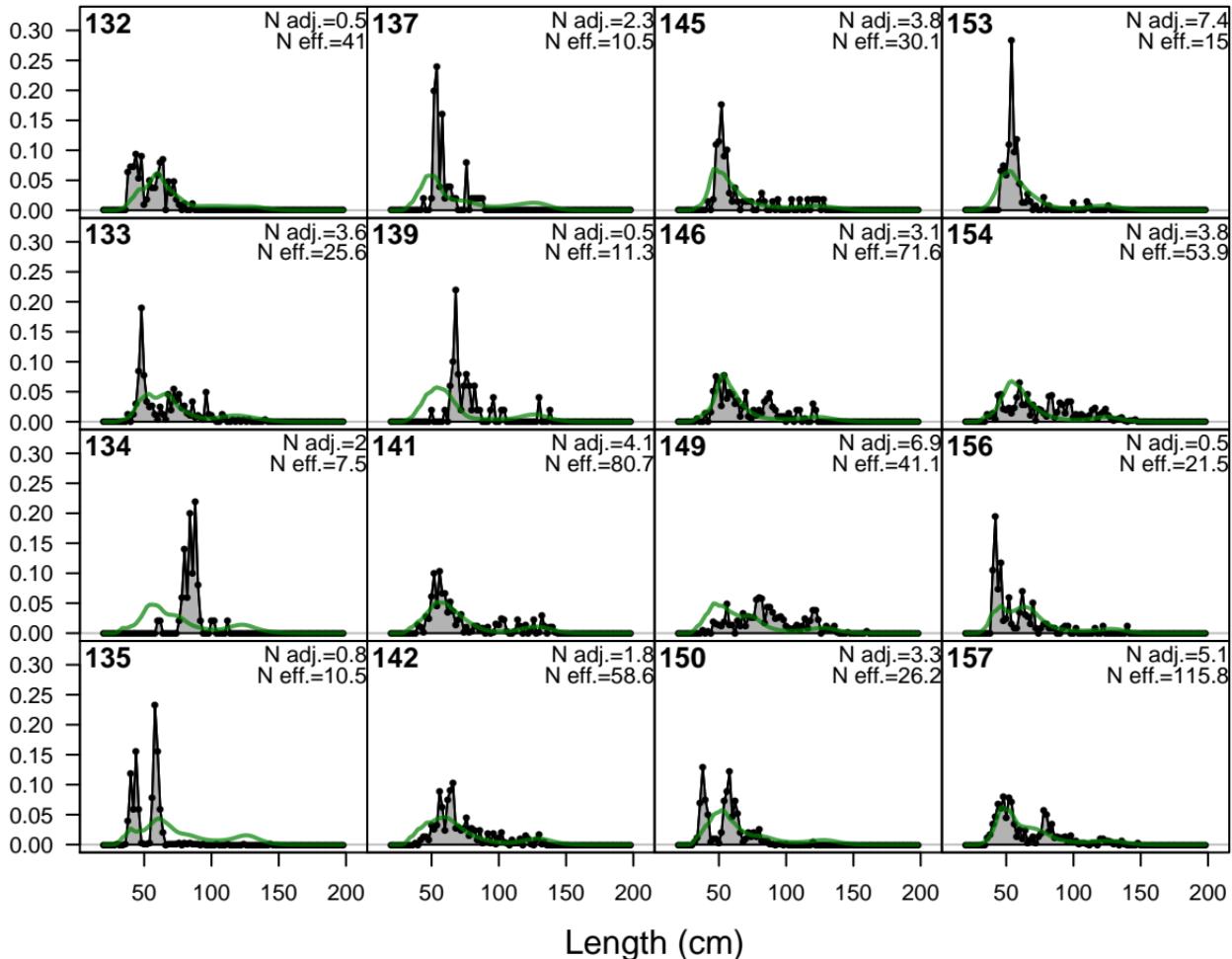
Proportion



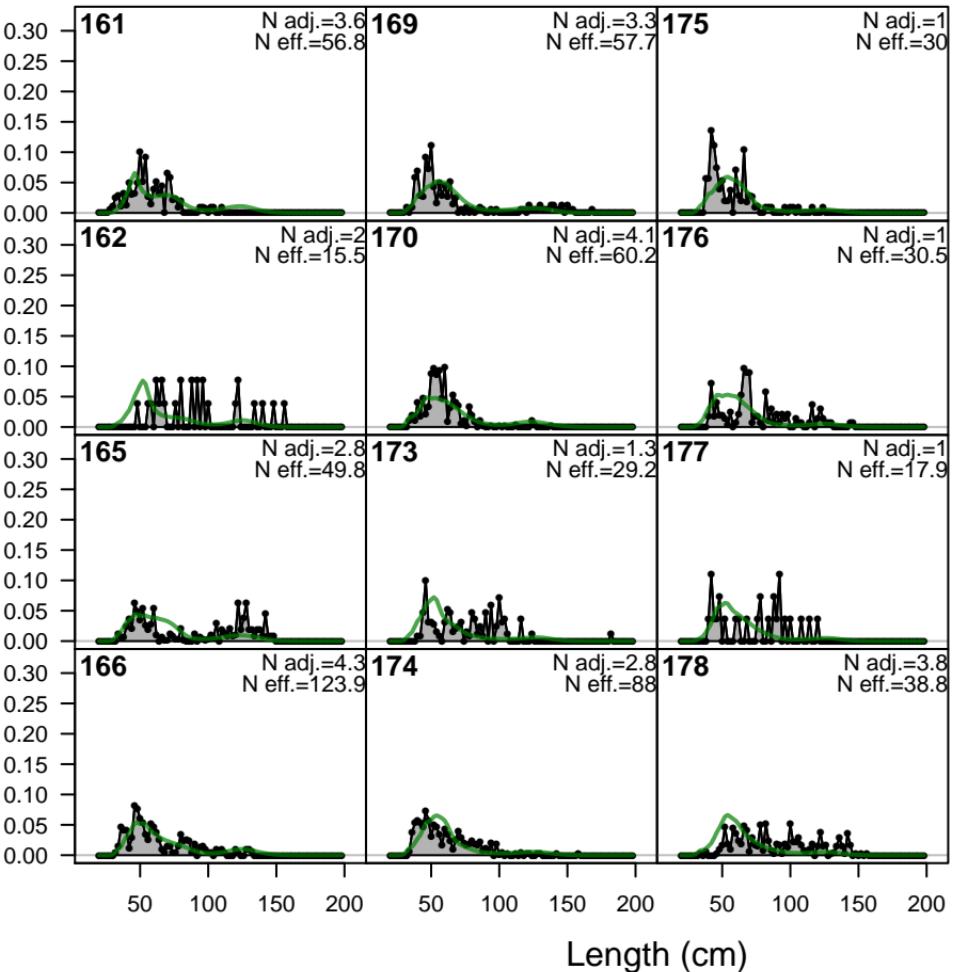
Proportion

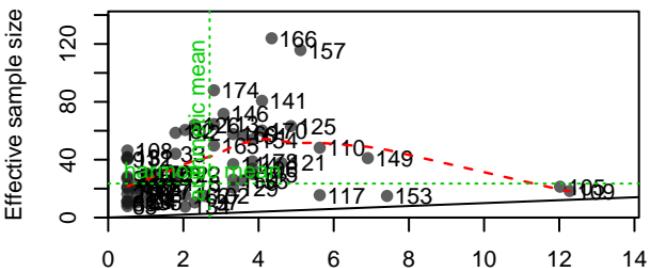
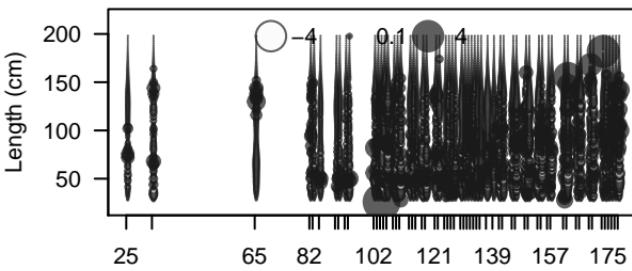


Proportion

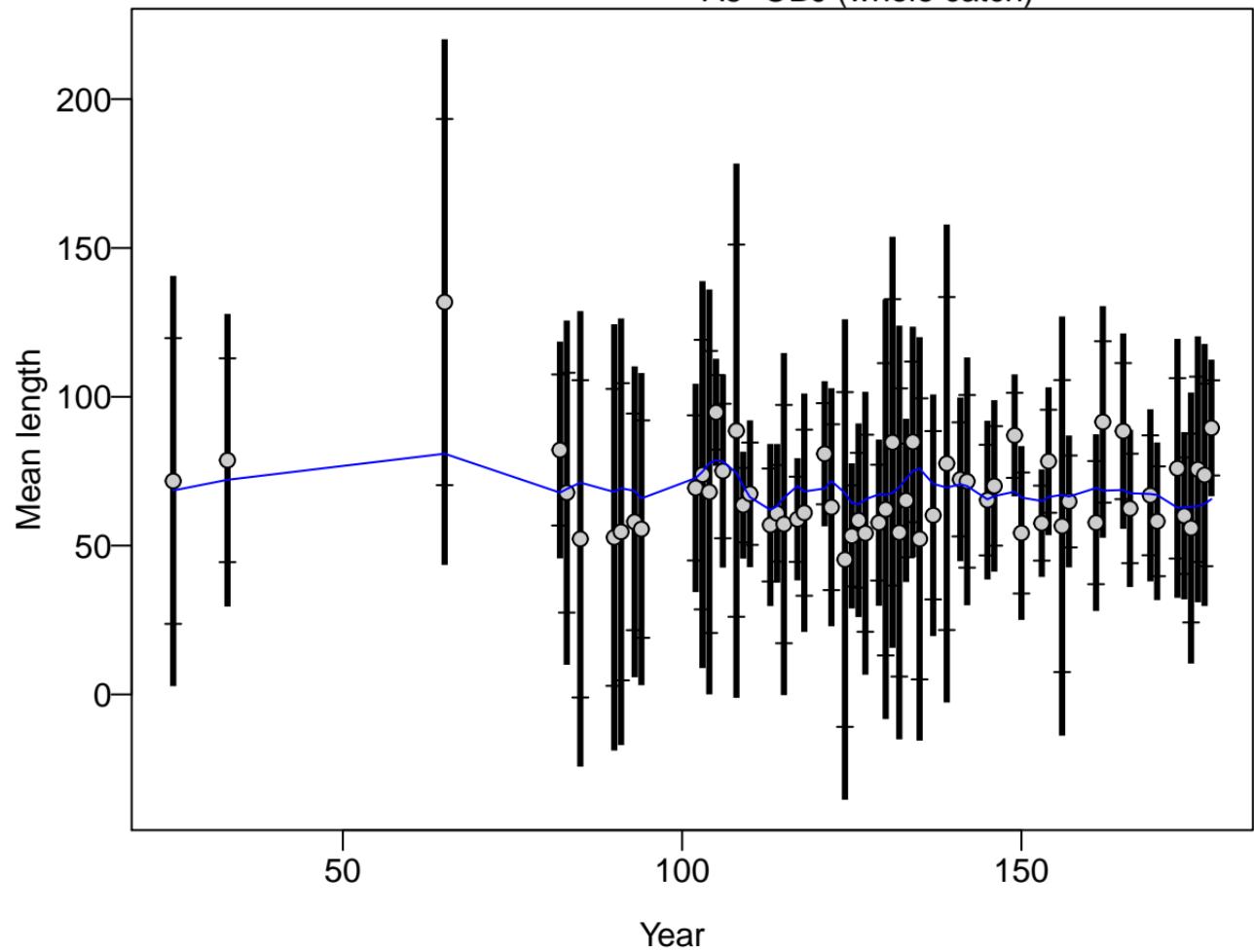


Proportion

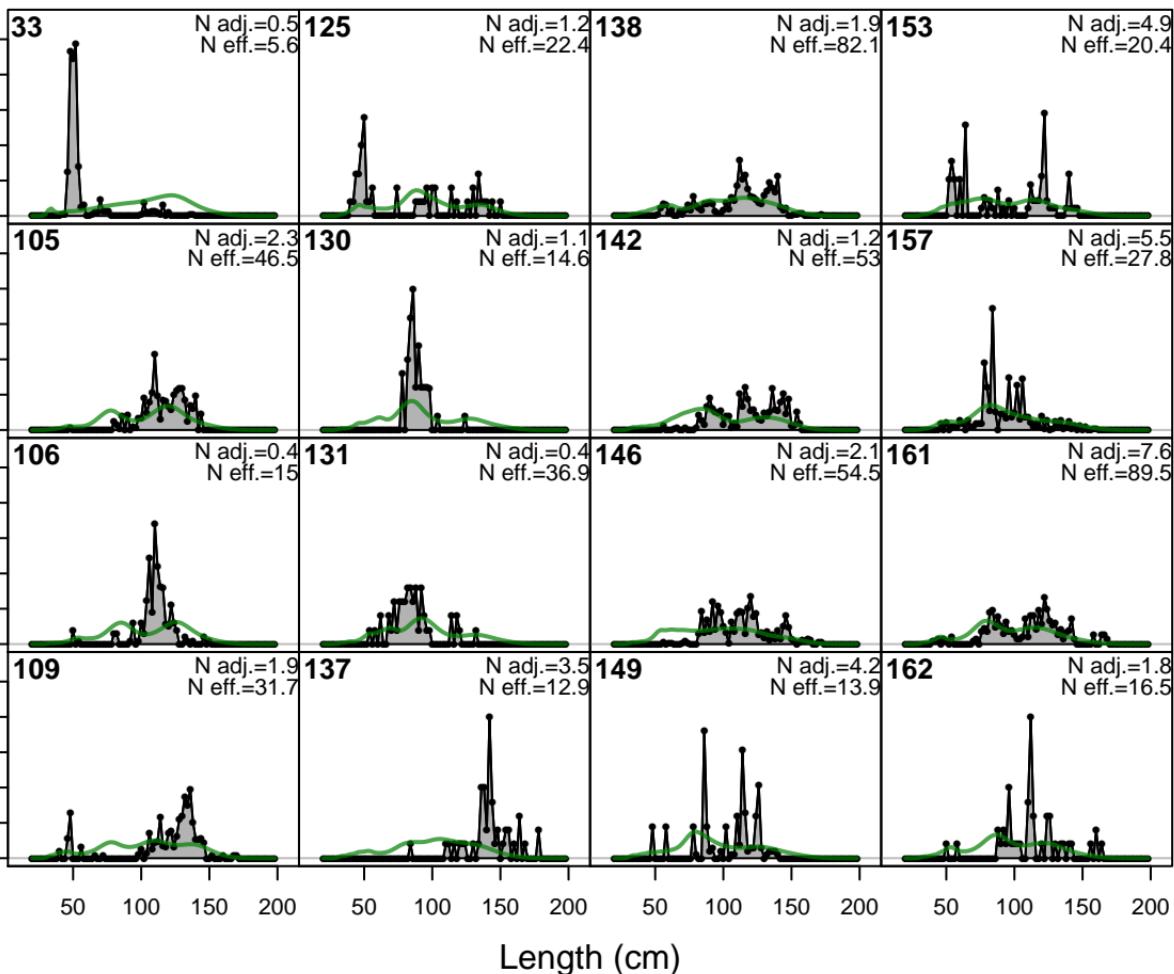




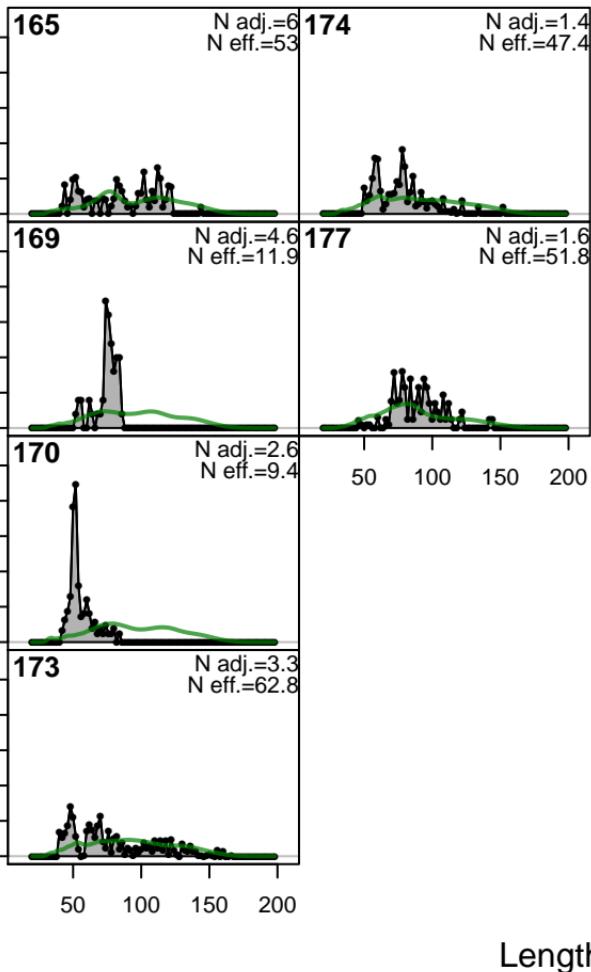
A5-OBJ (whole catch)

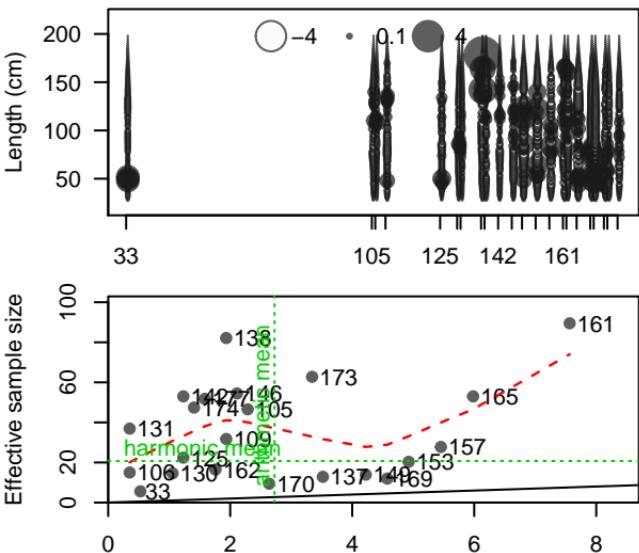


Proportion

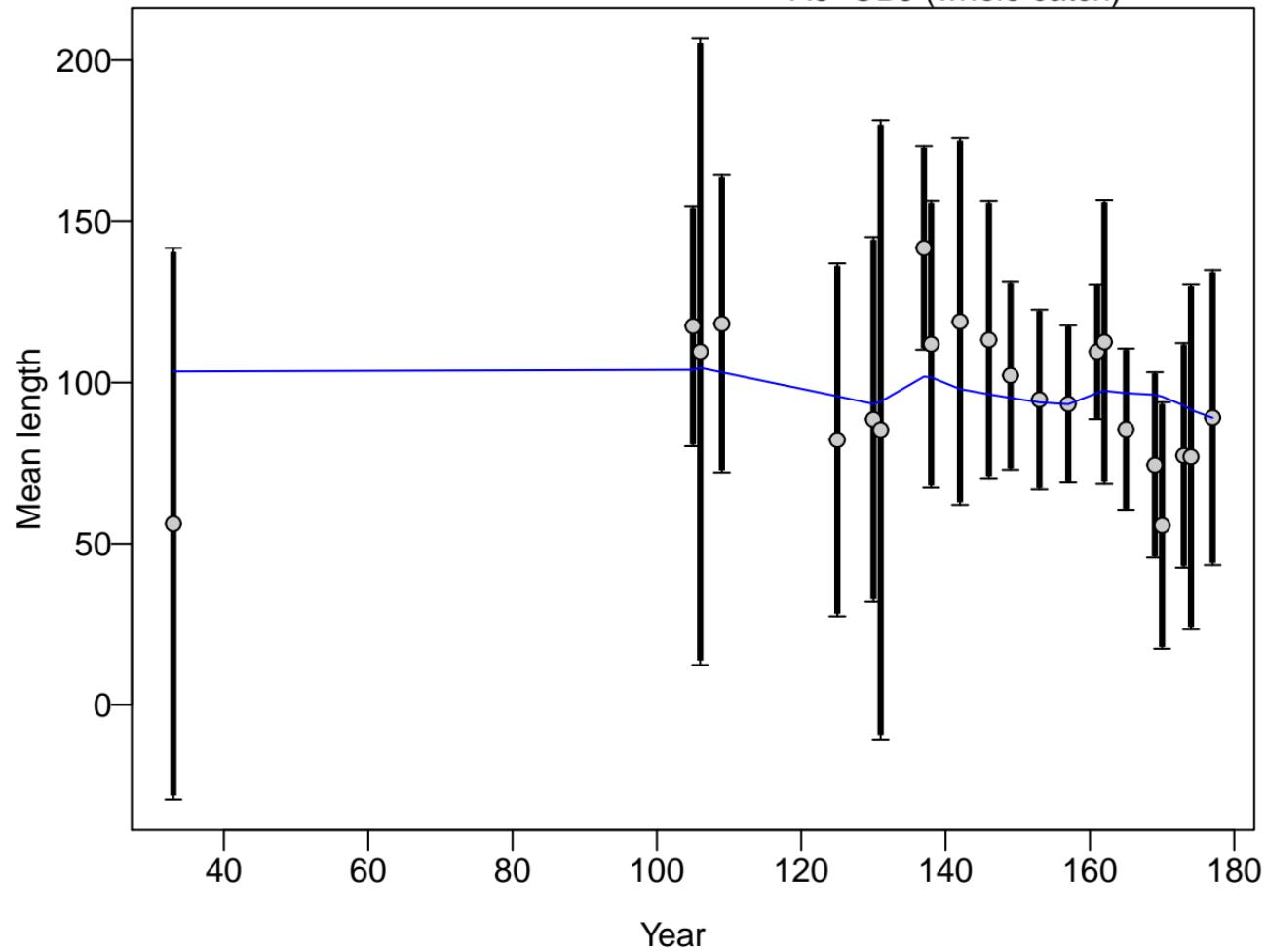


Proportion

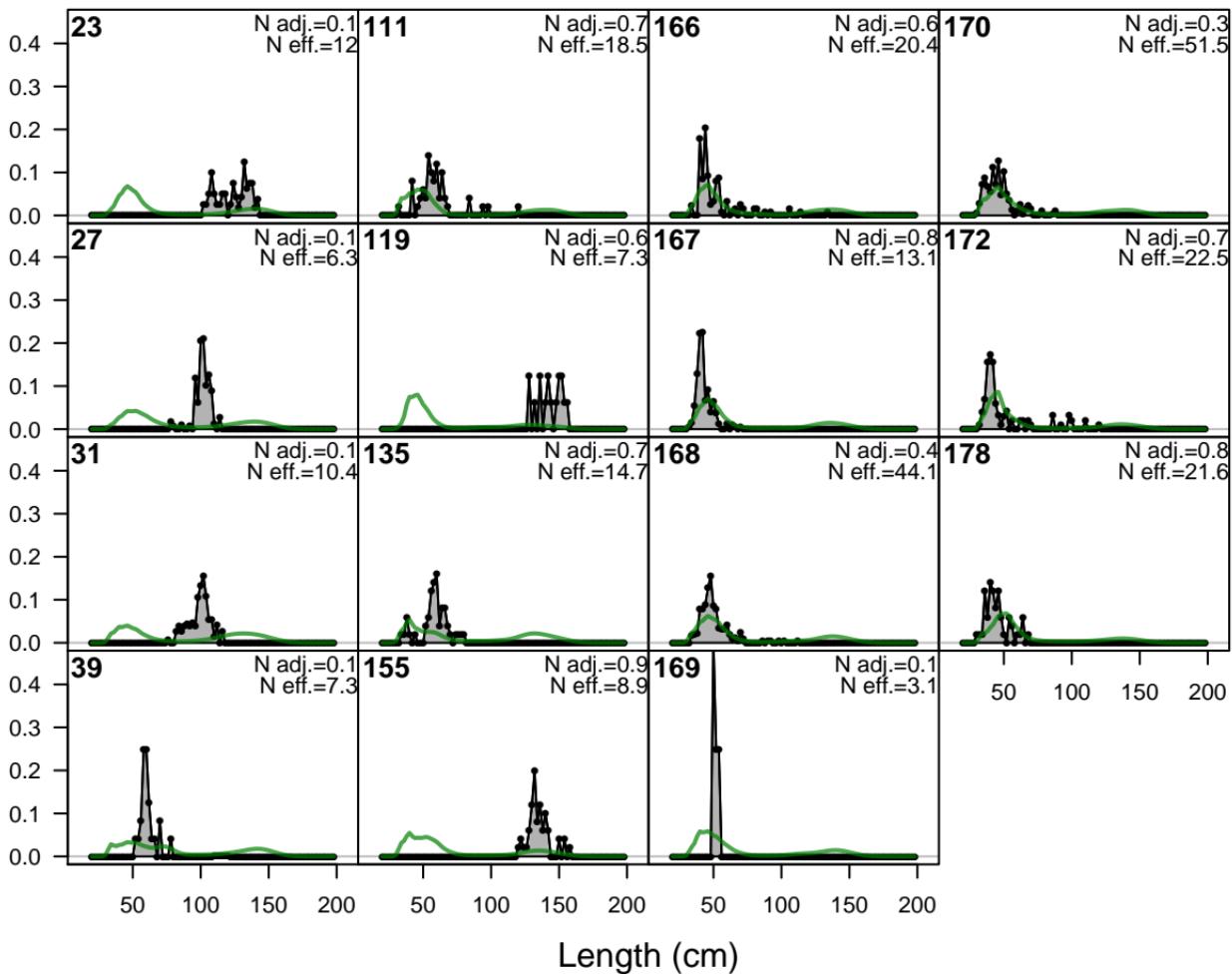


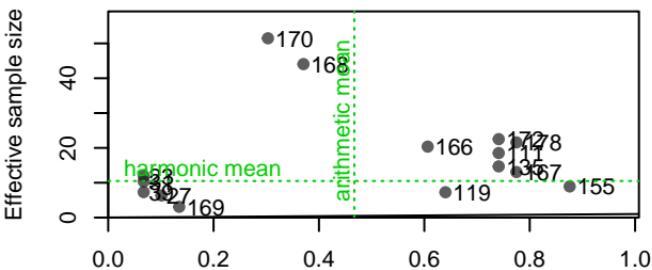
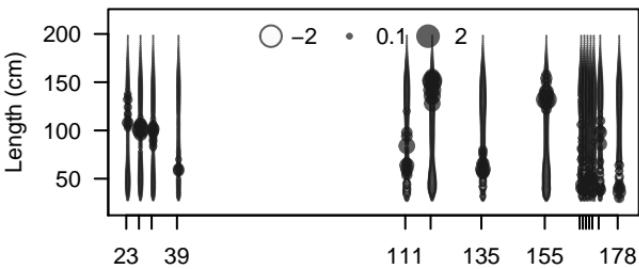


A6-OBJ (whole catch)

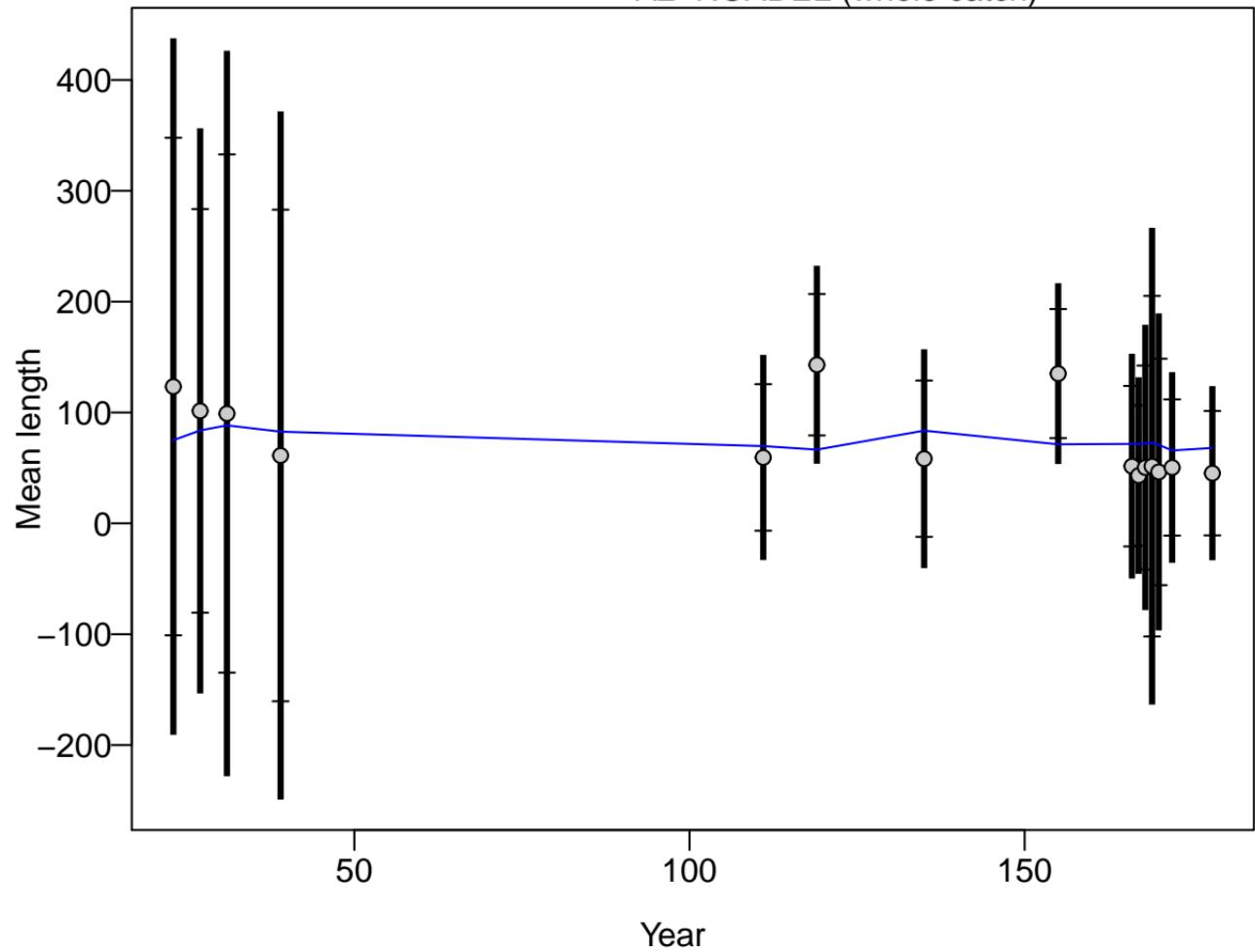


Proportion

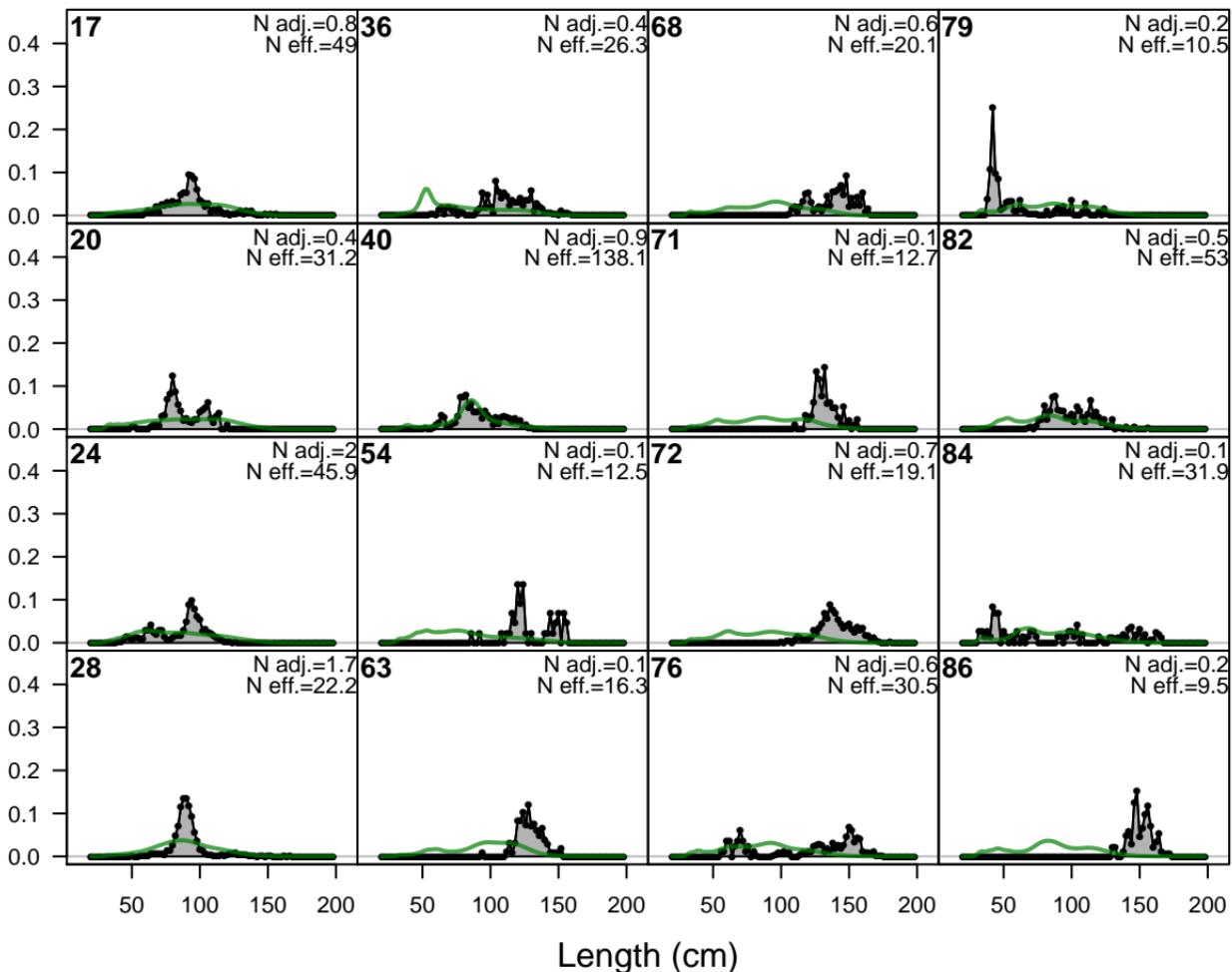




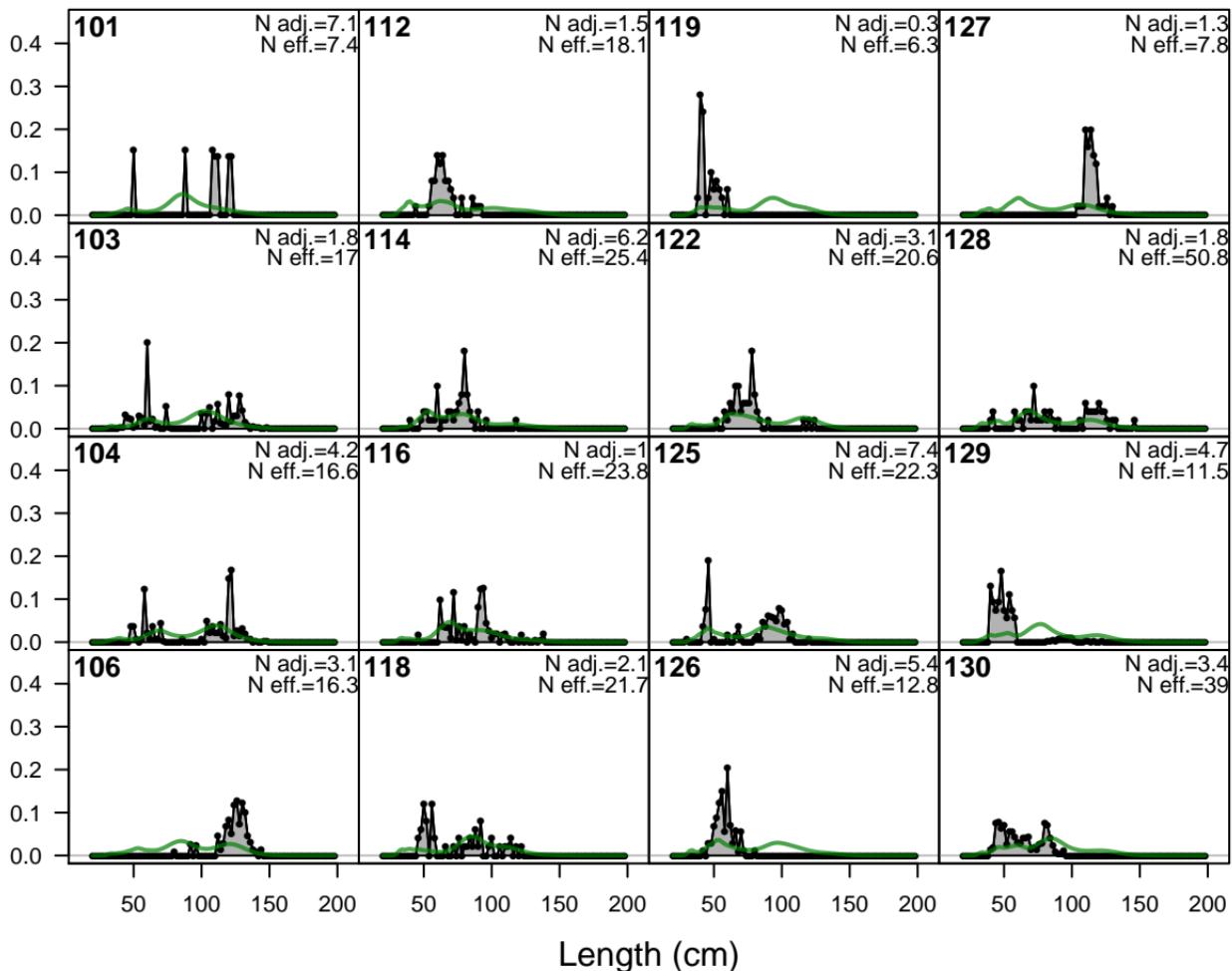
A2–NOADEL (whole catch)



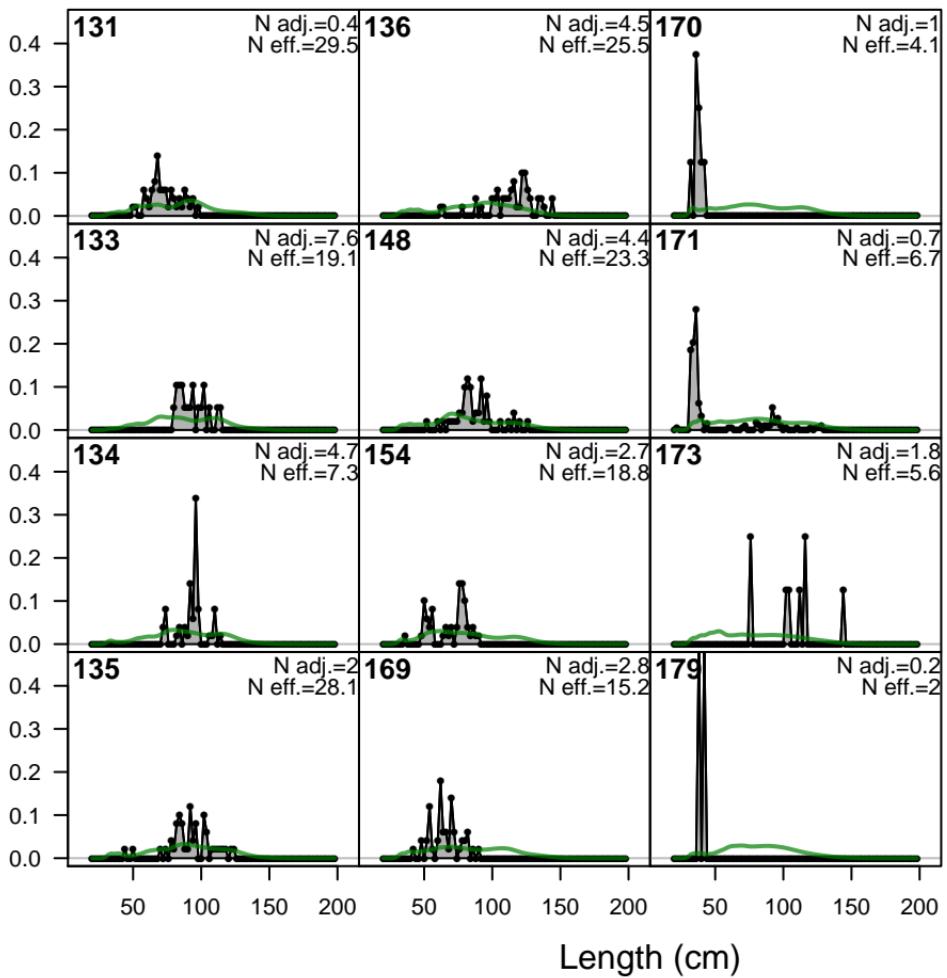
Proportion

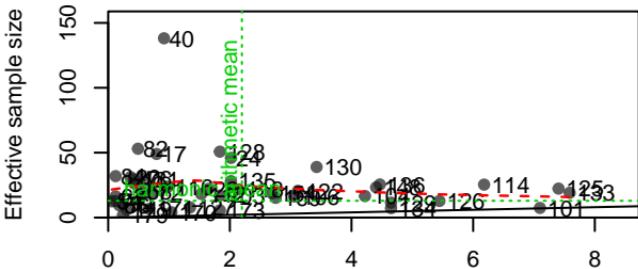
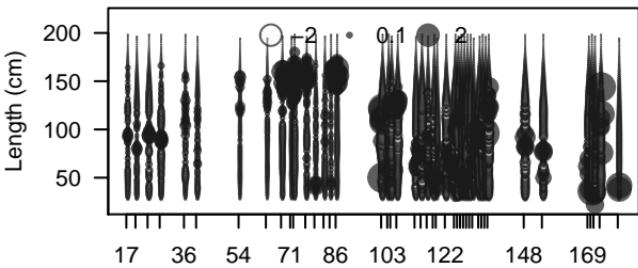


Proportion

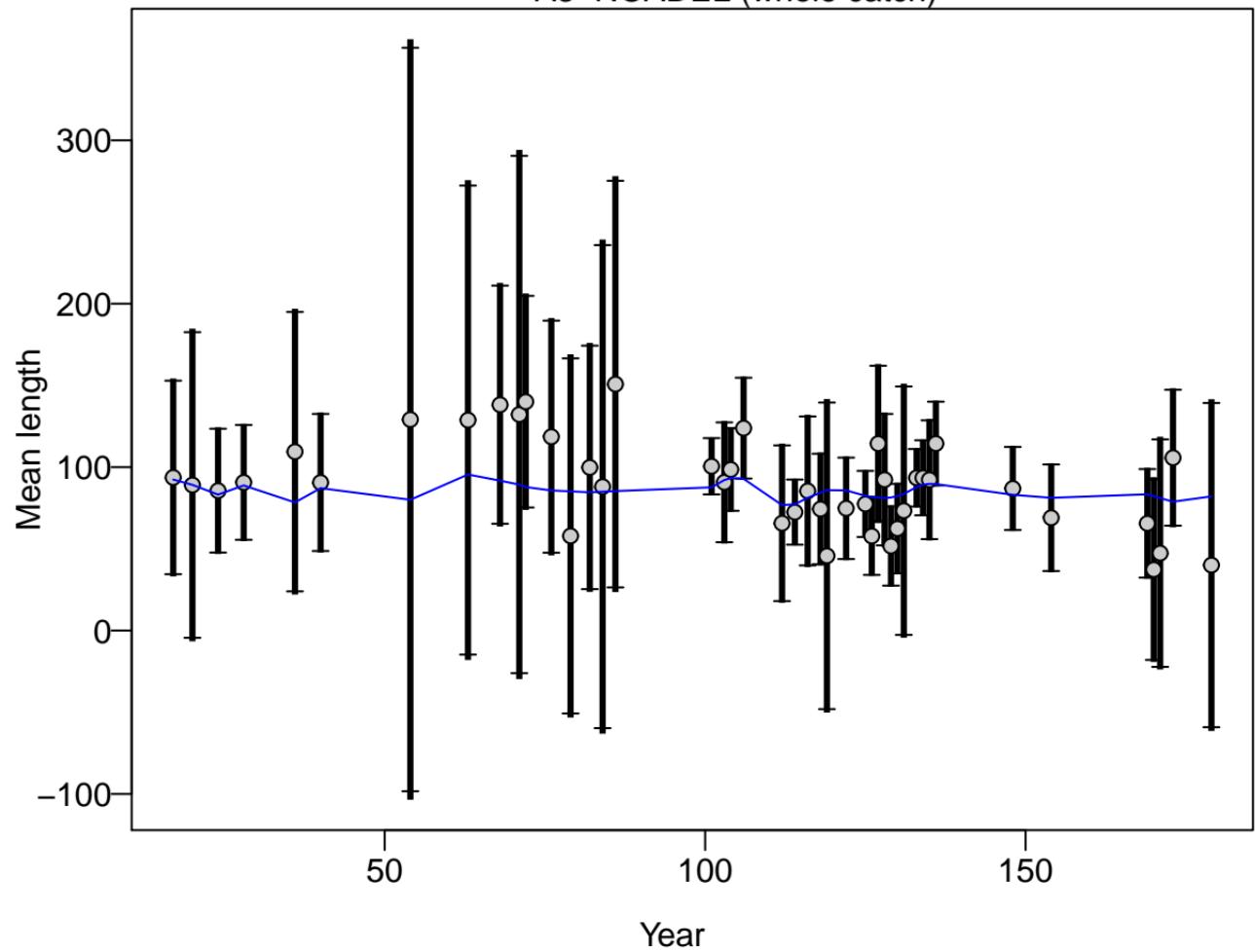


Proportion

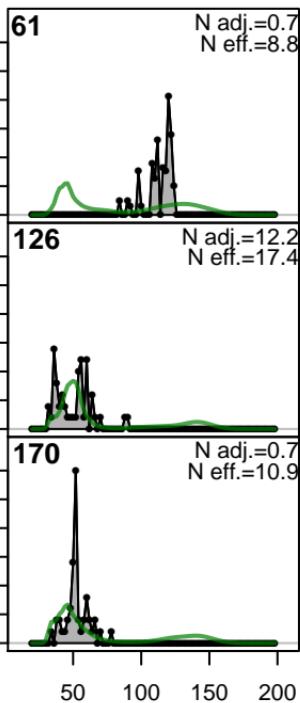




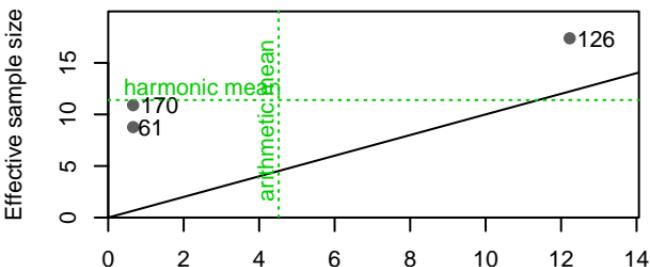
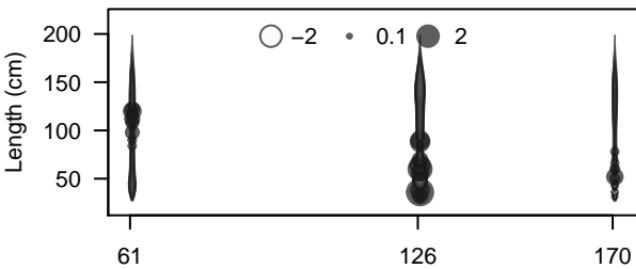
A3–NOADEL (whole catch)



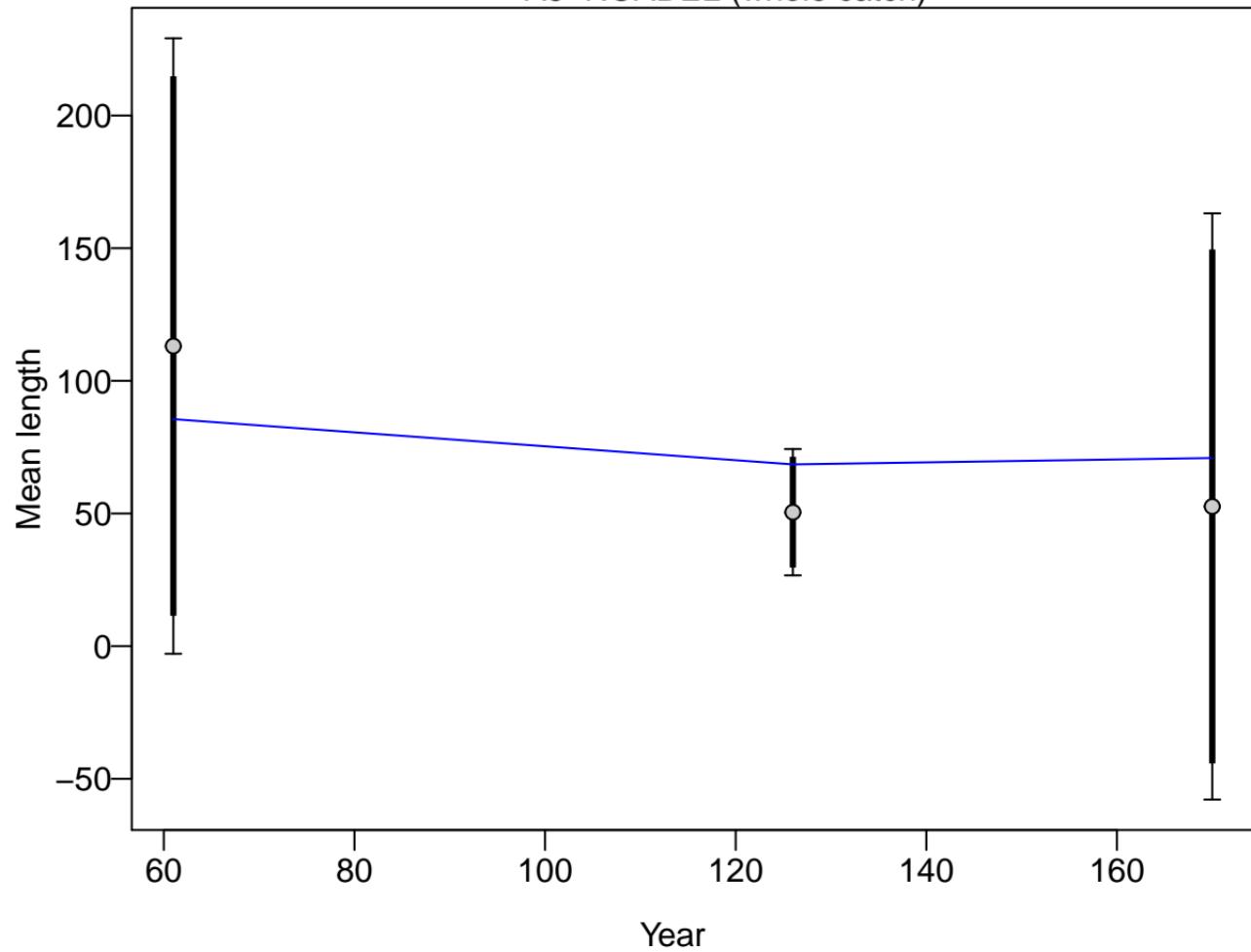
Proportion



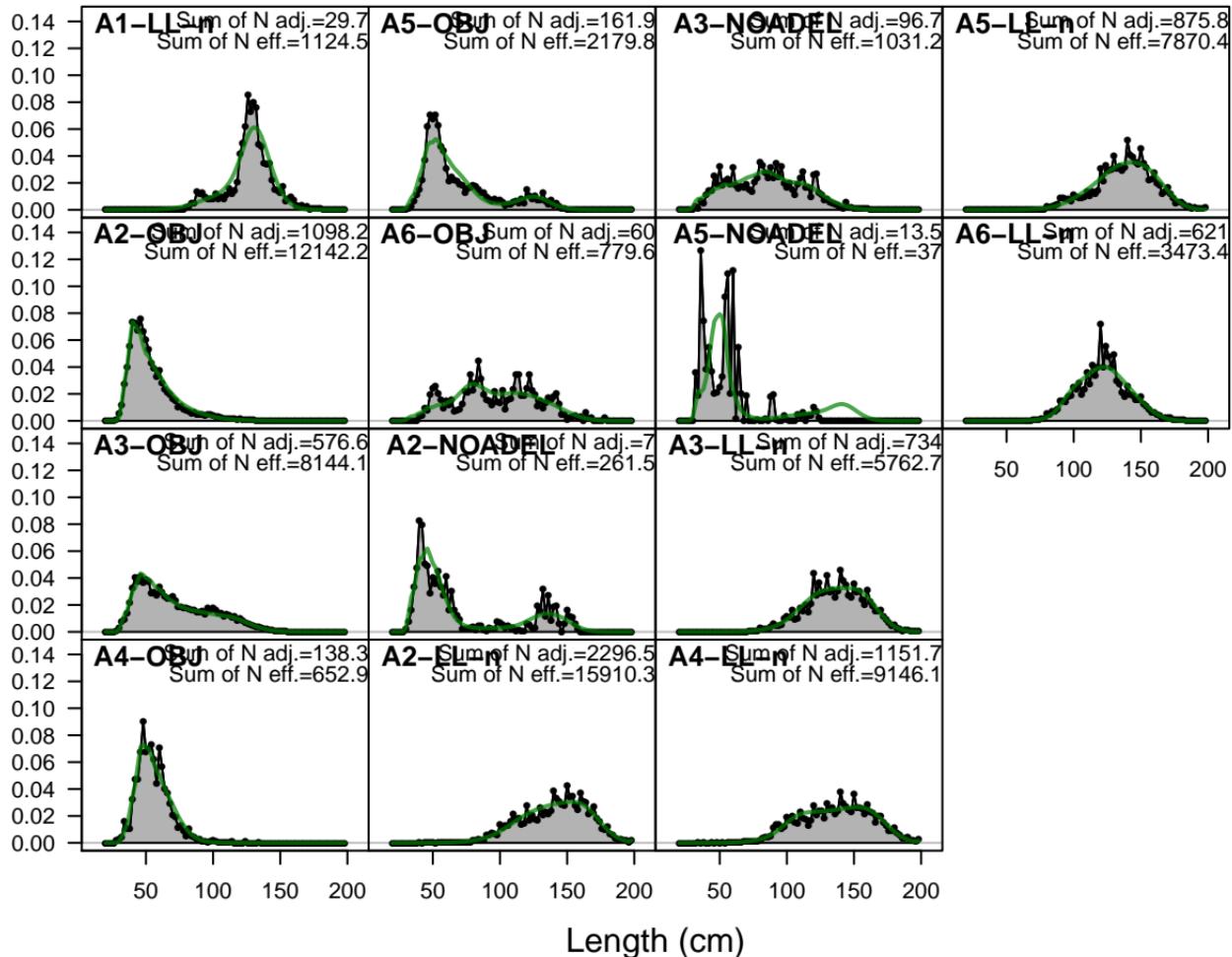
Length (cm)

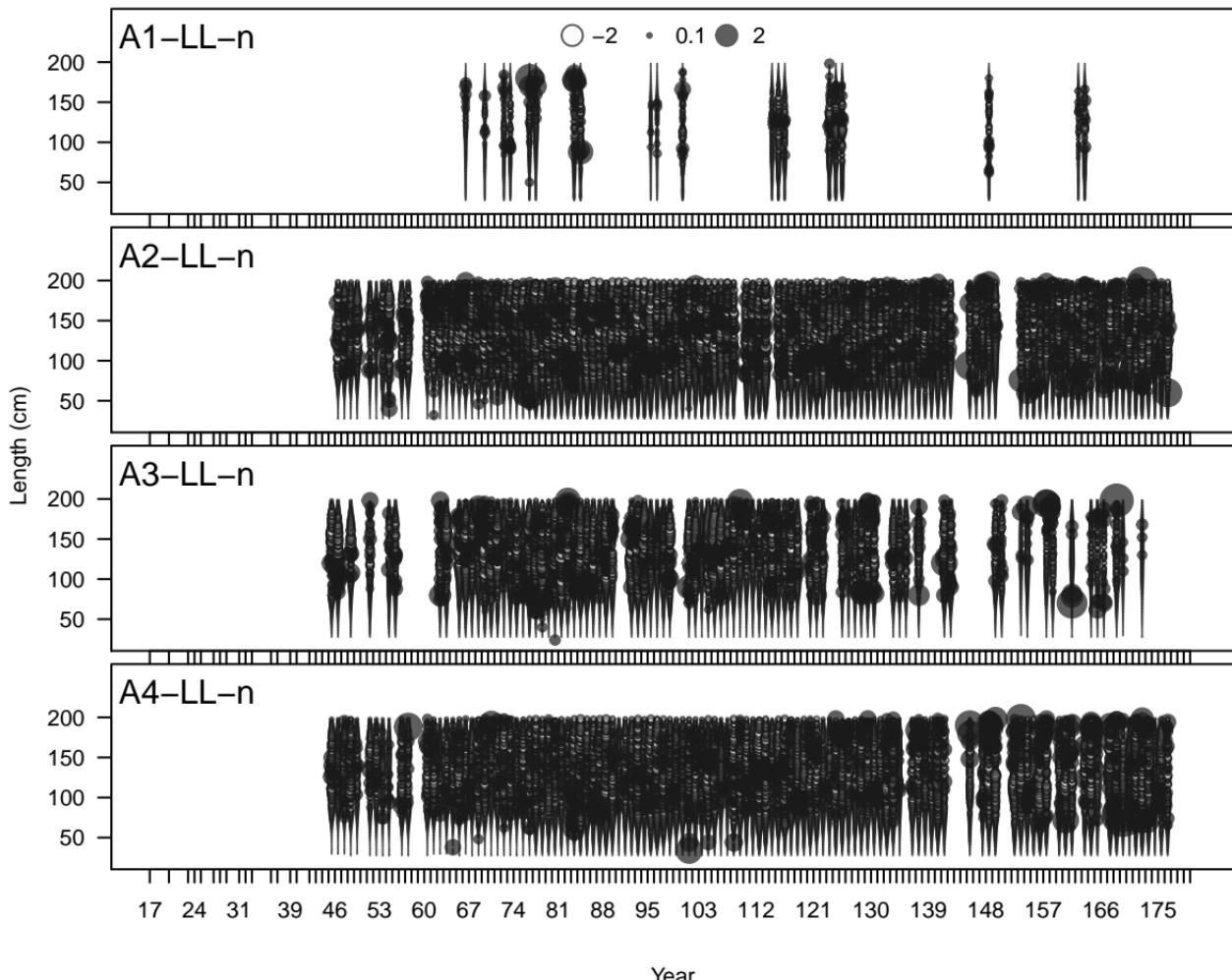


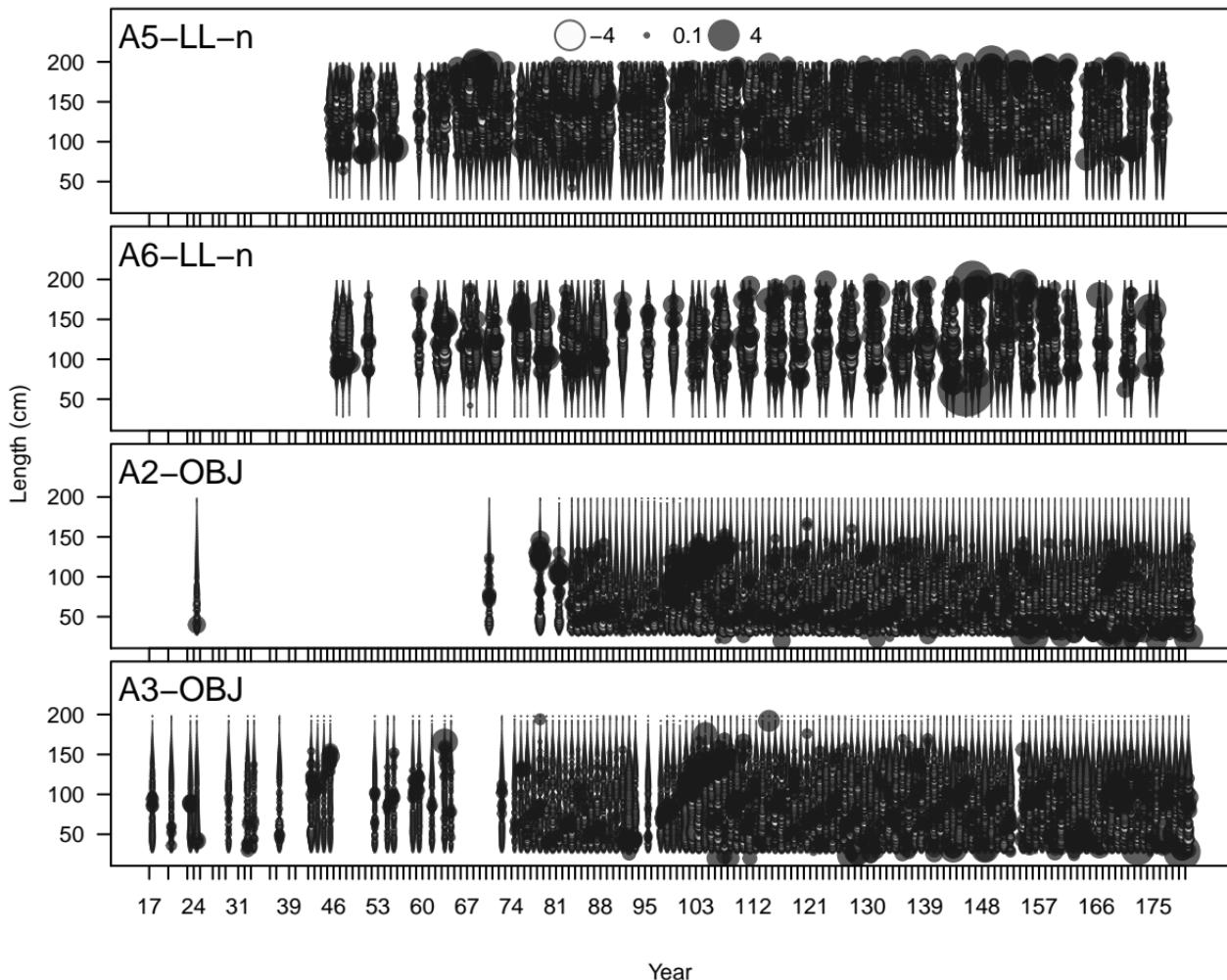
A5–NOADEL (whole catch)

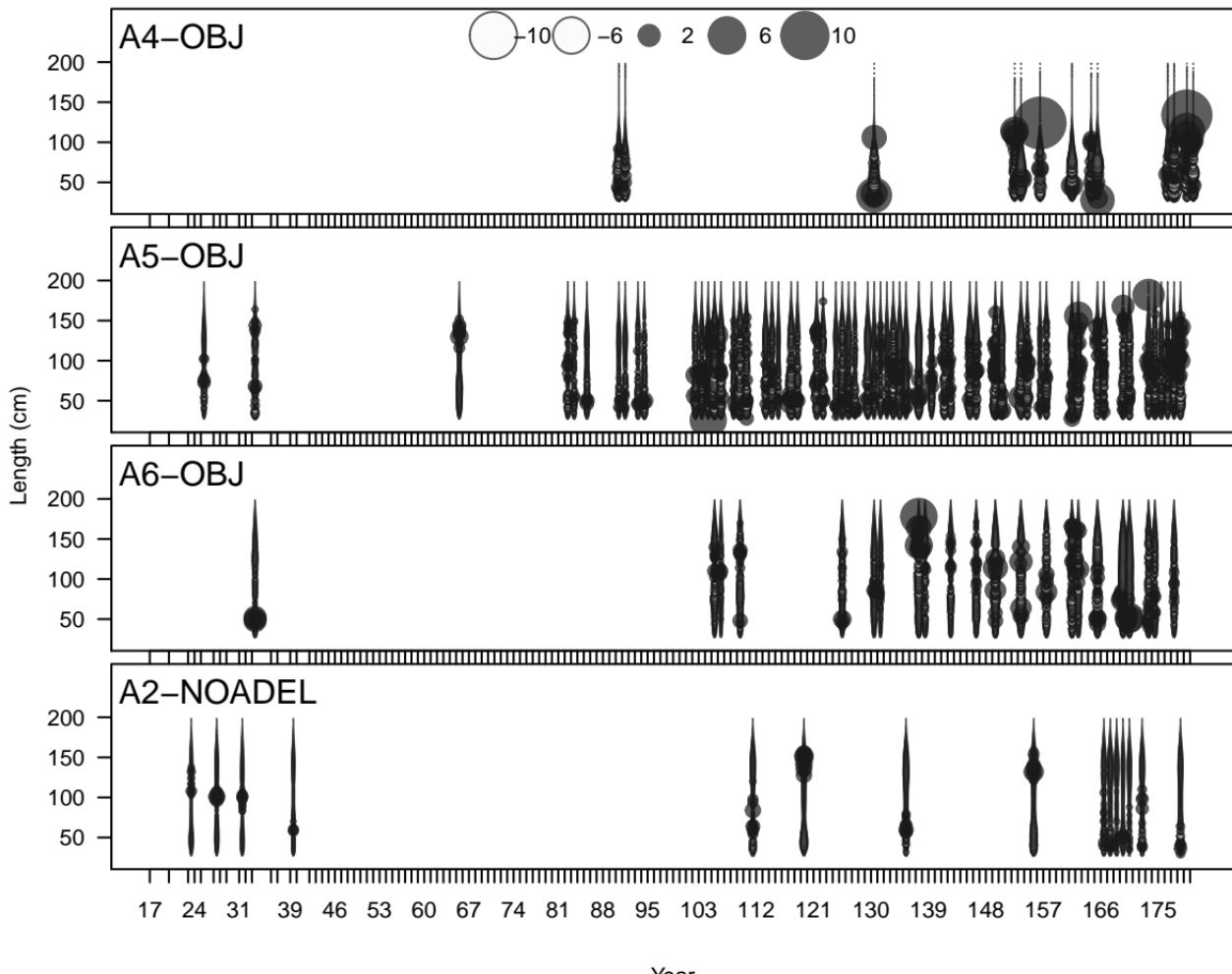


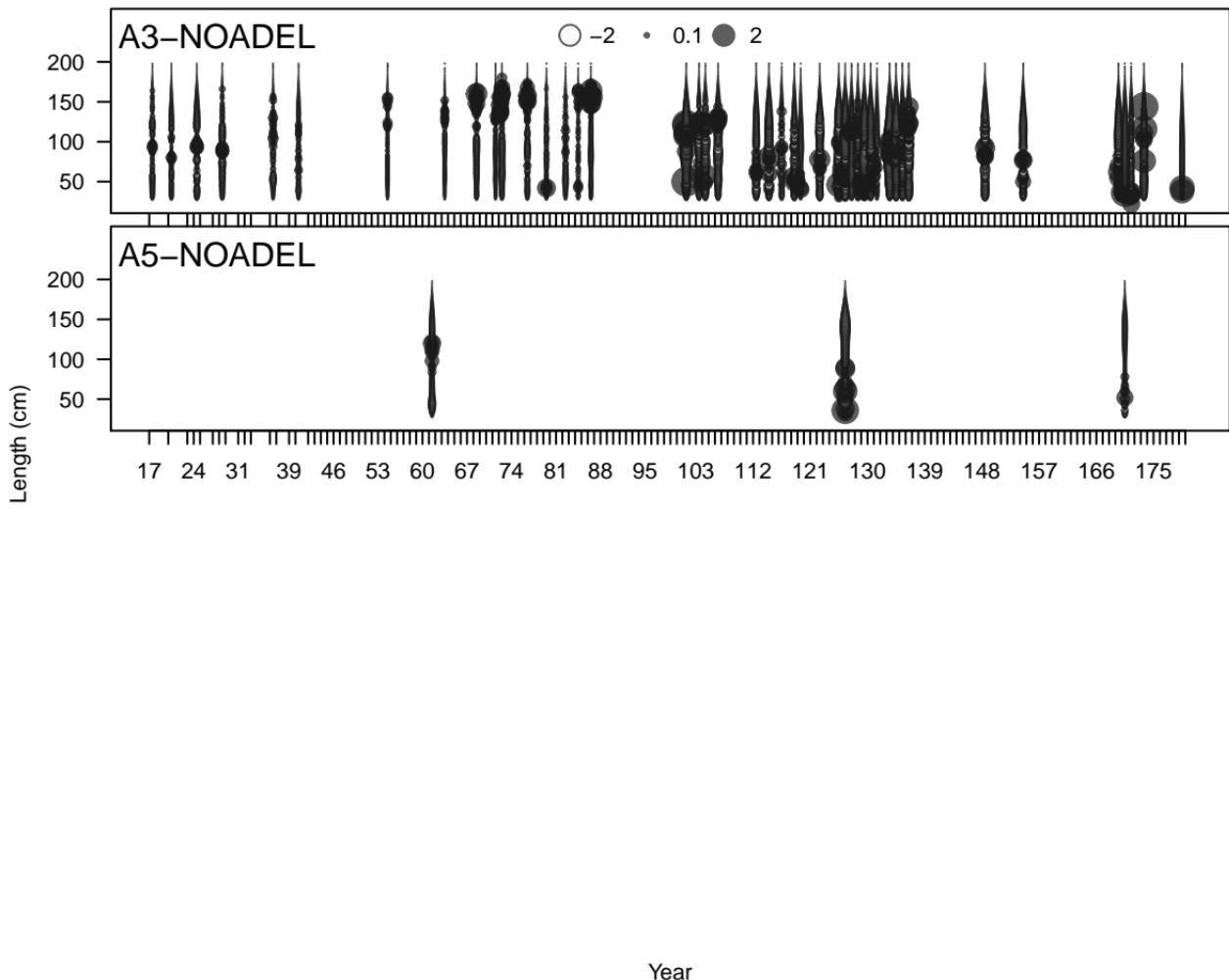
Proportion



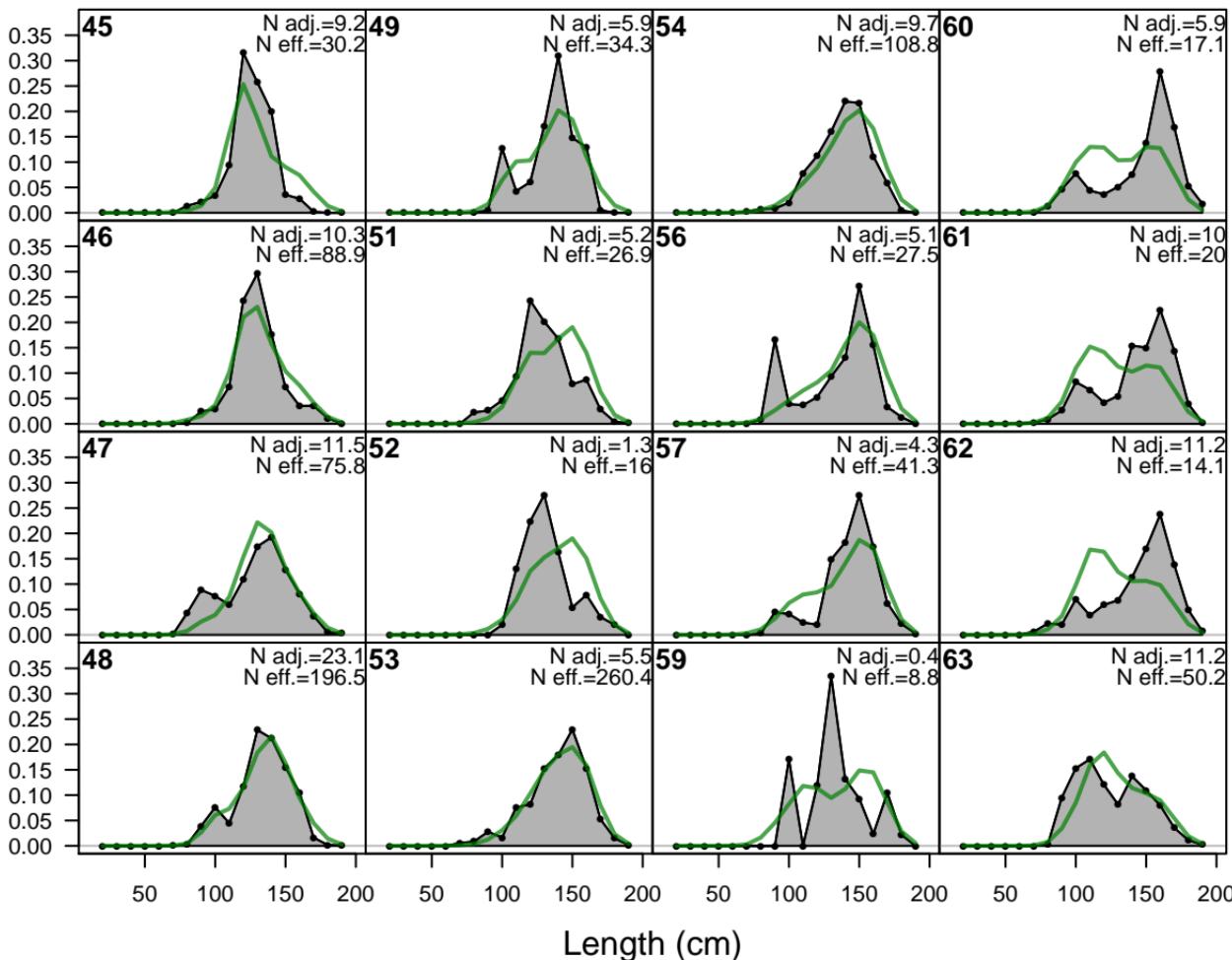




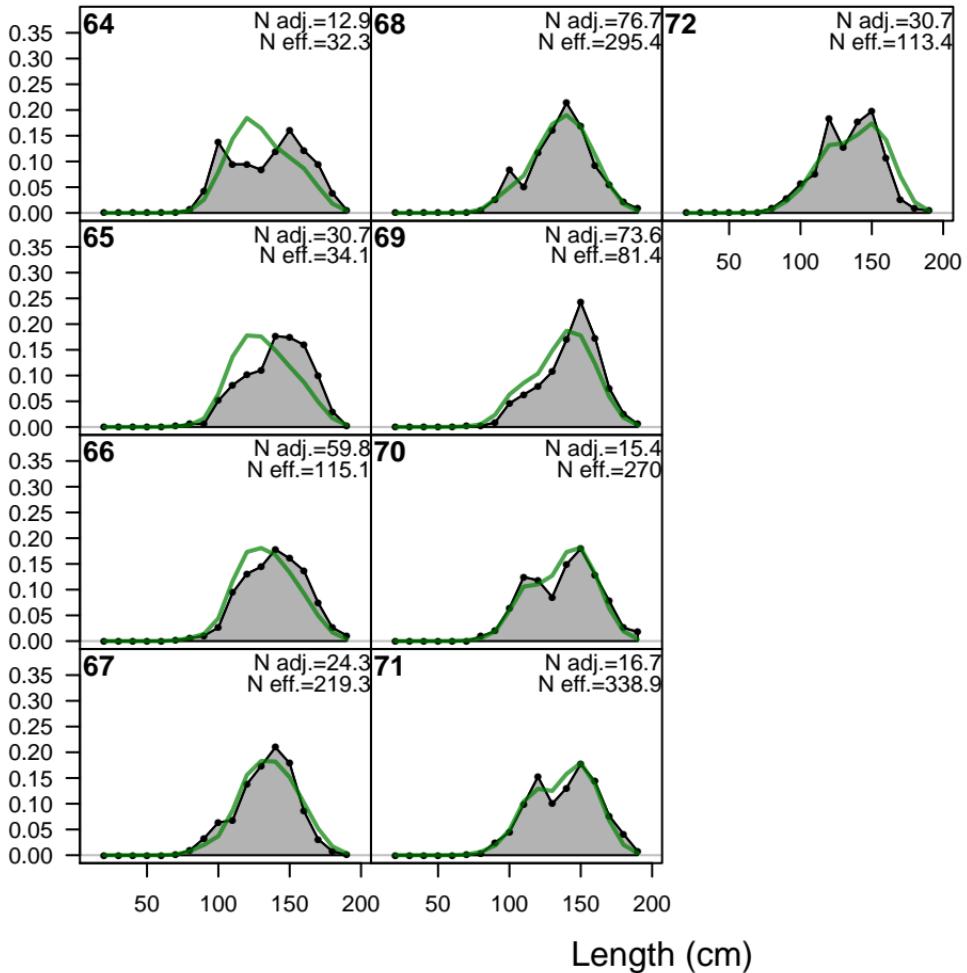


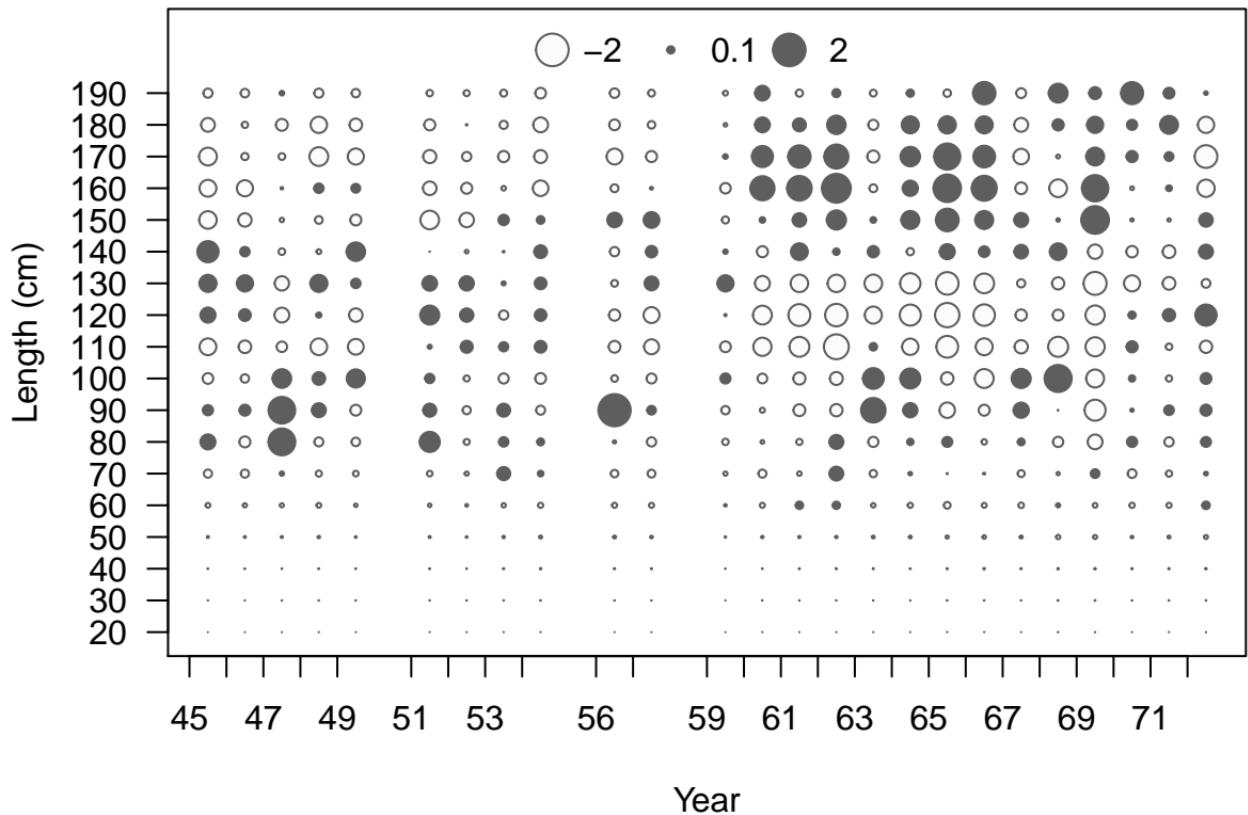


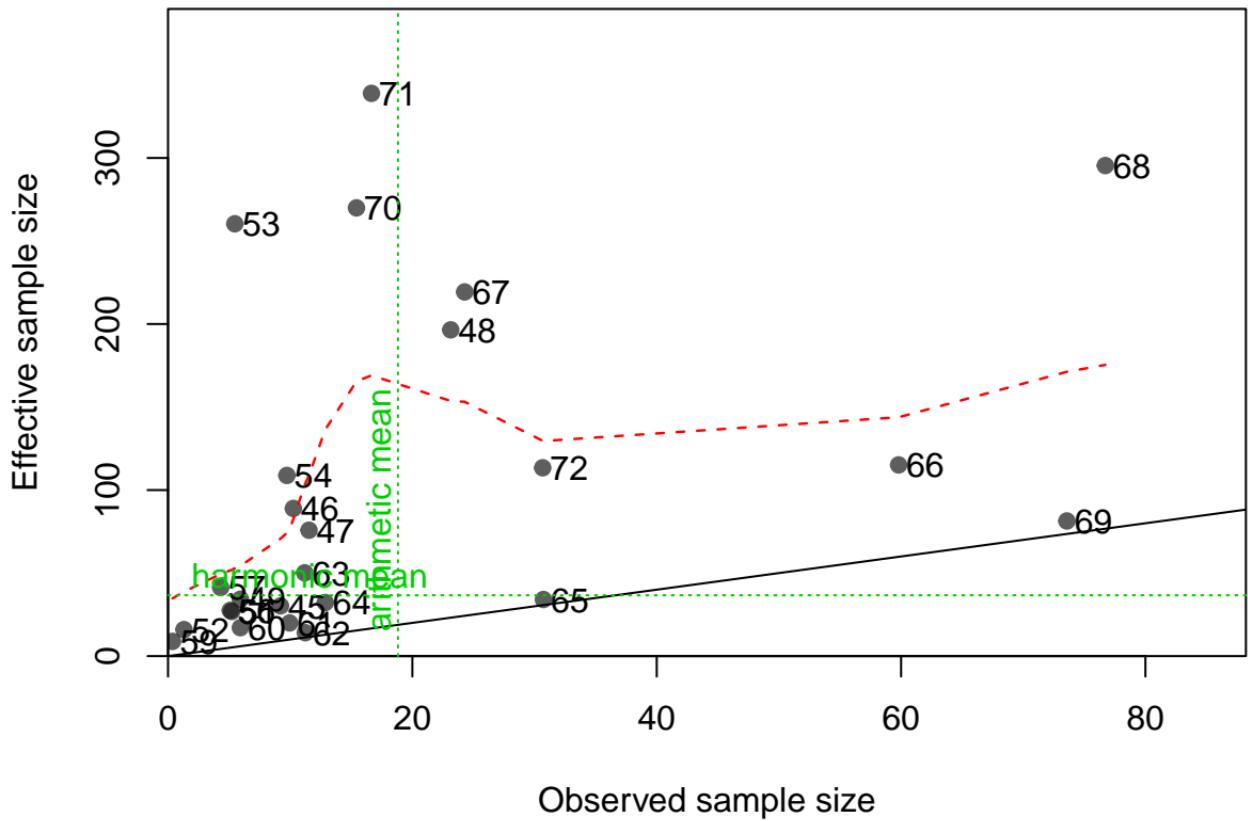
Proportion



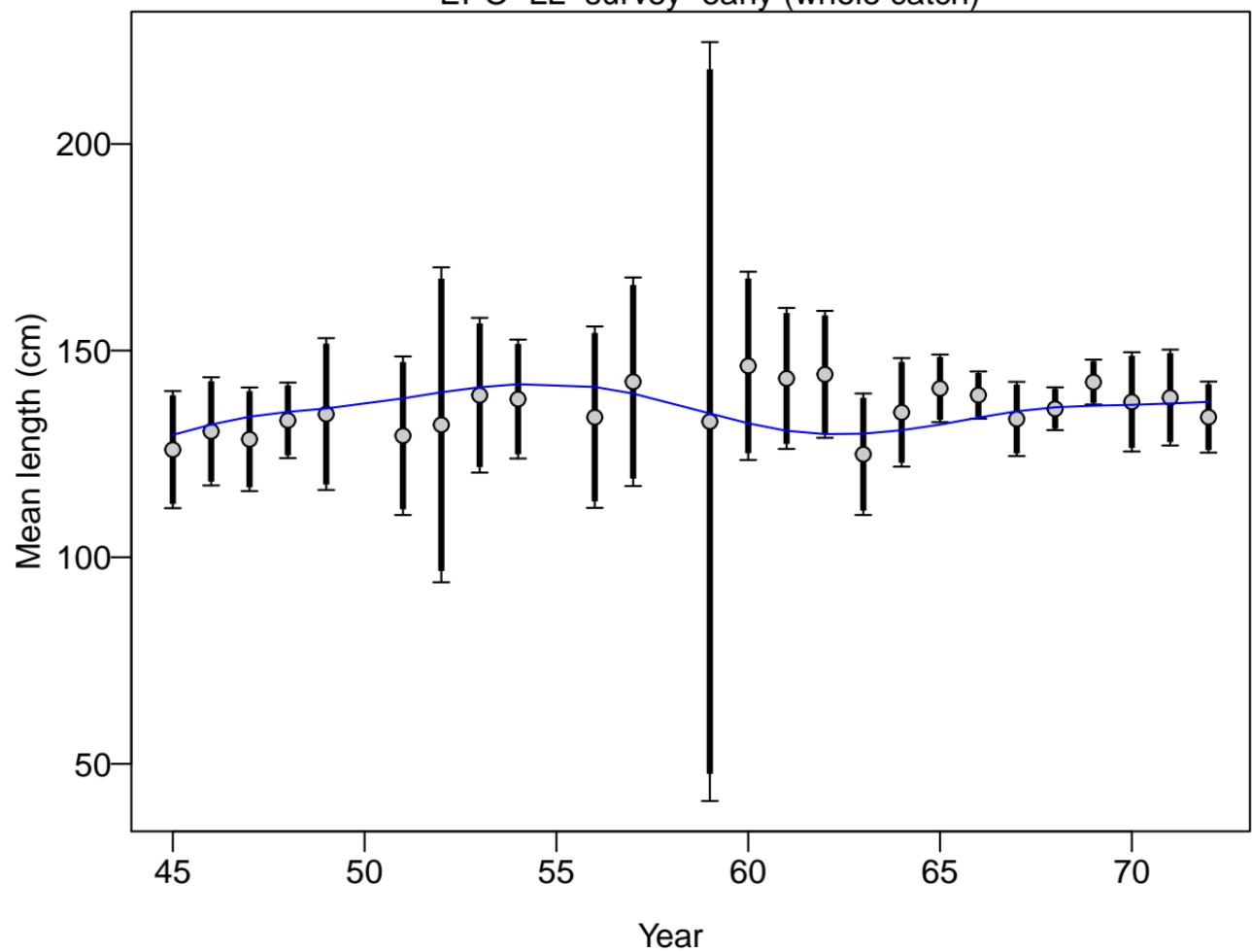
Proportion



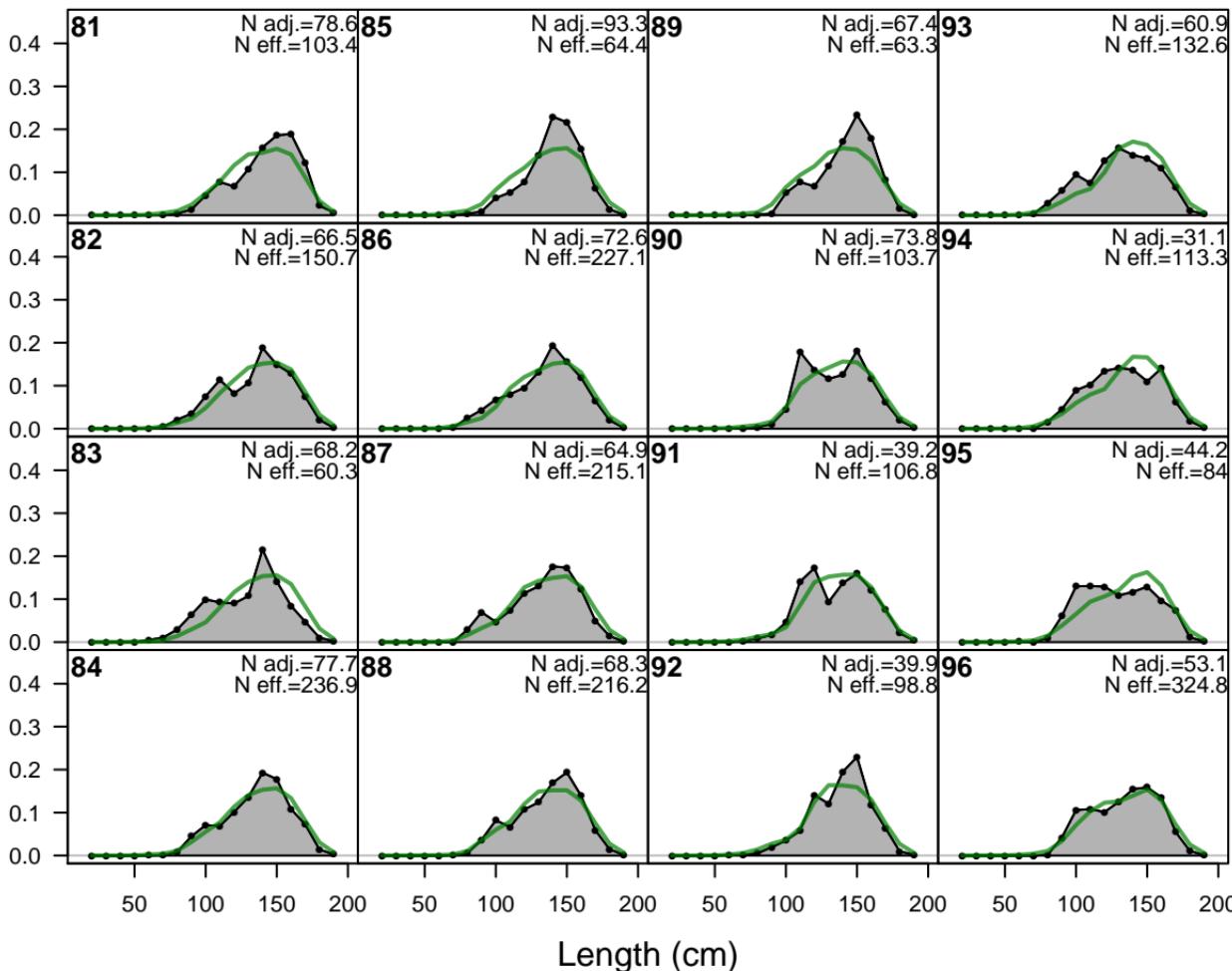




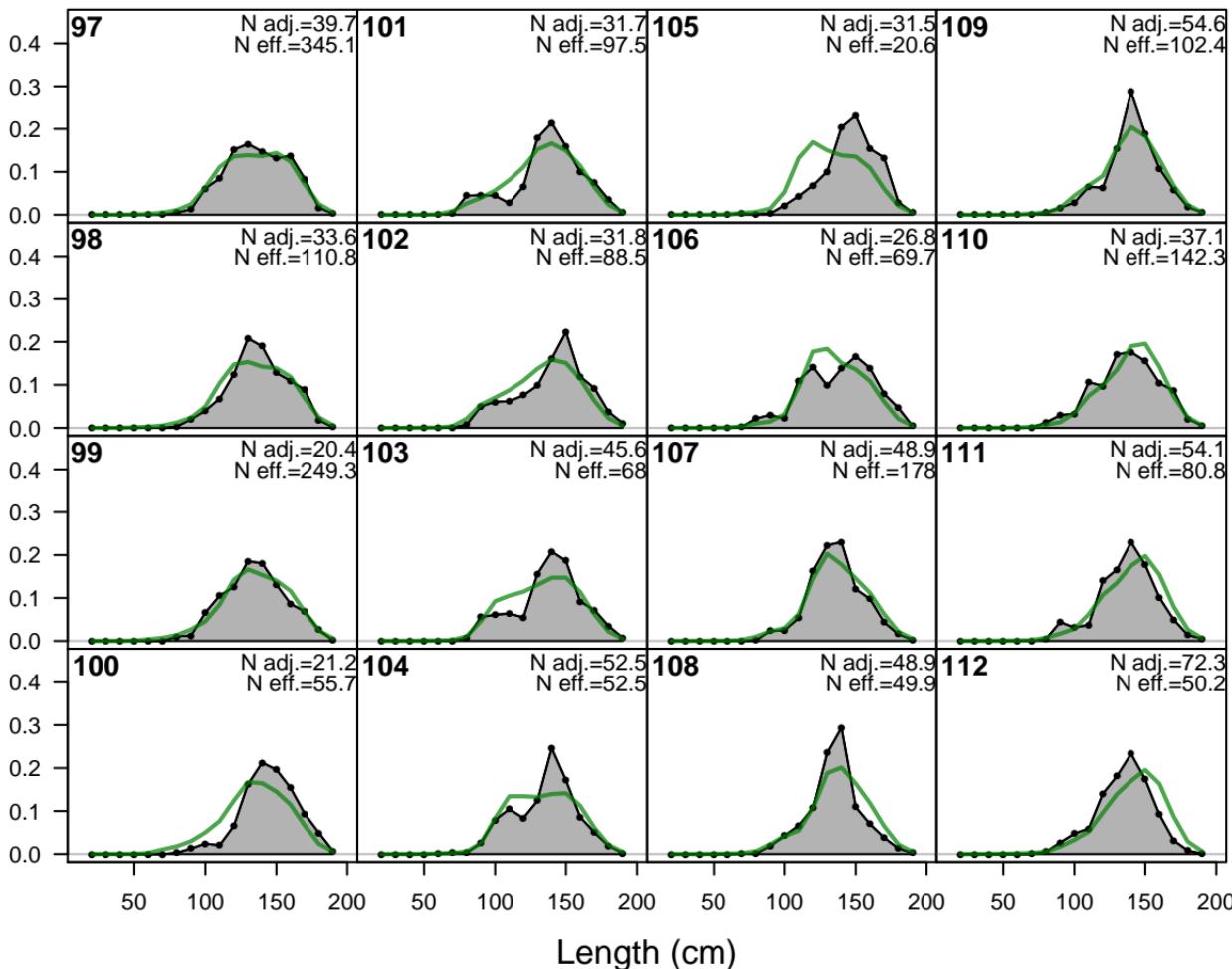
EPO-LL-survey-early (whole catch)



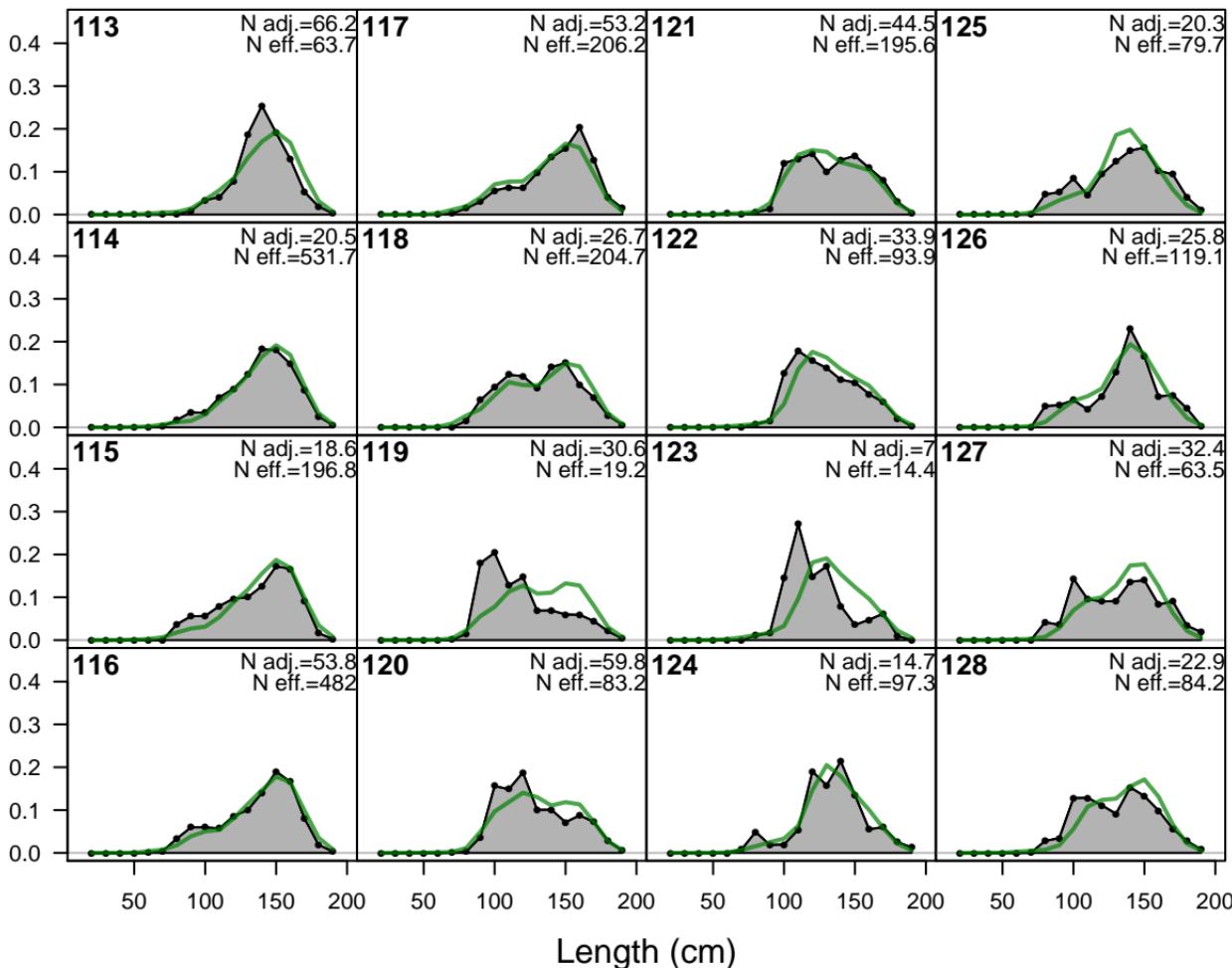
Proportion



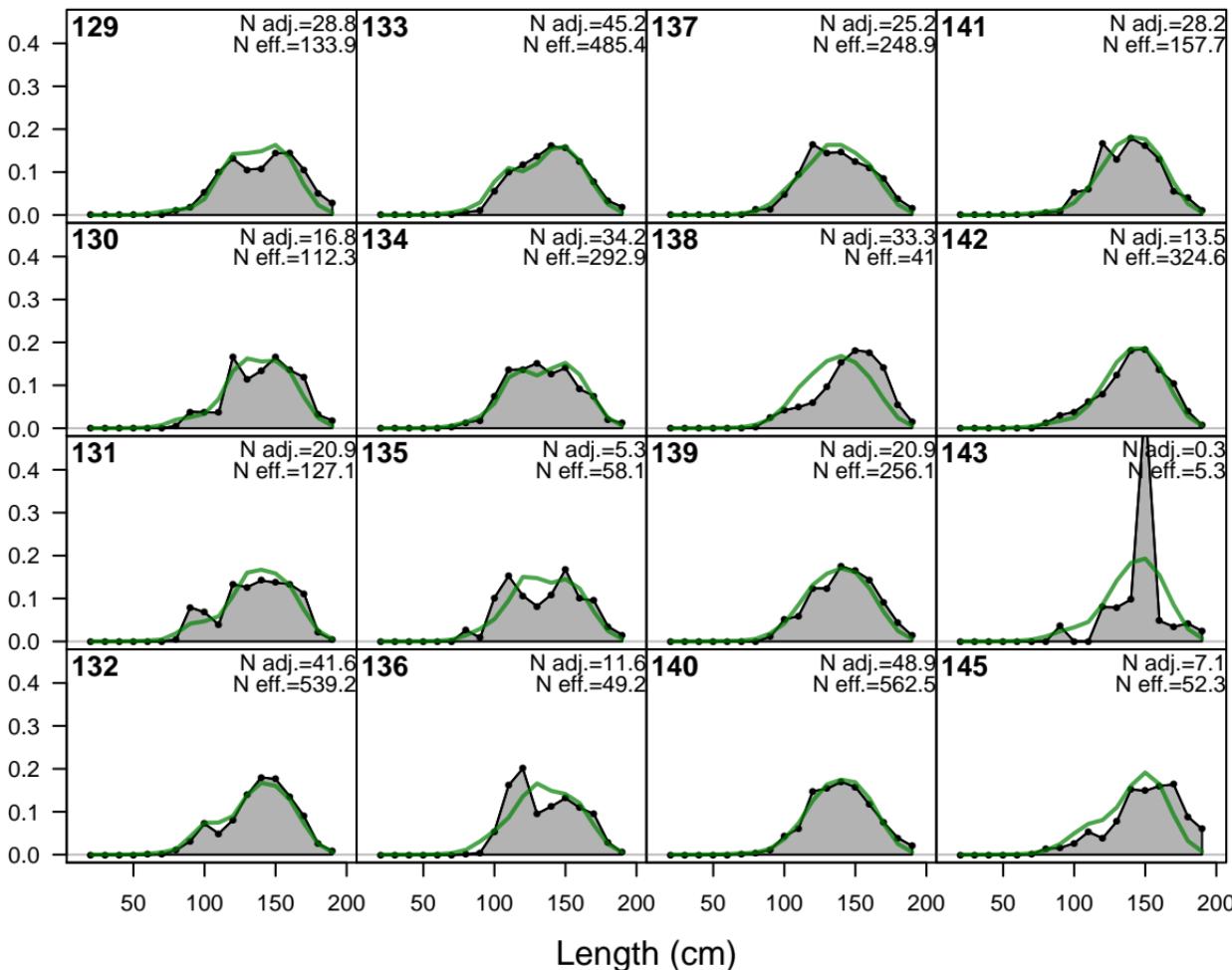
Proportion



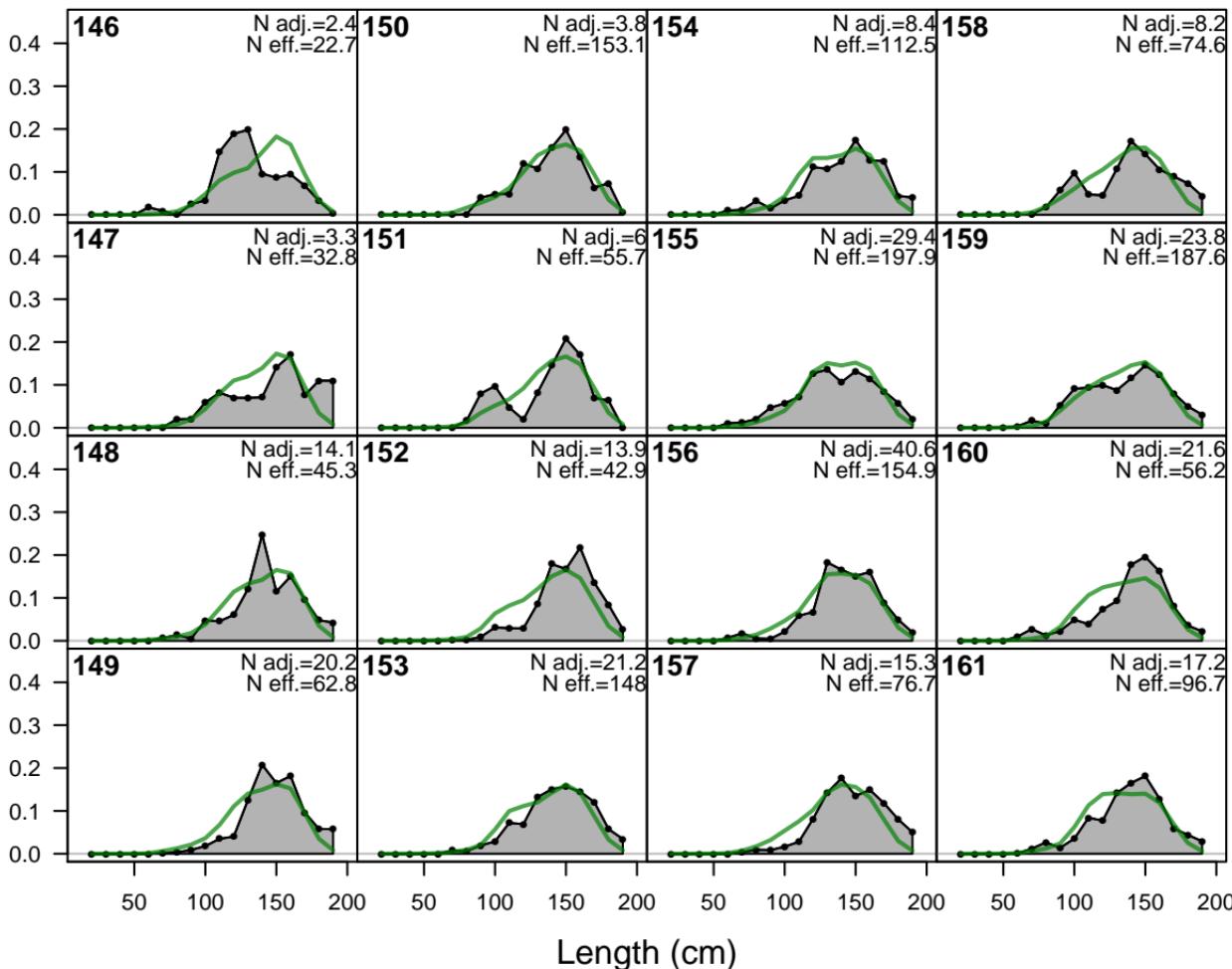
Proportion



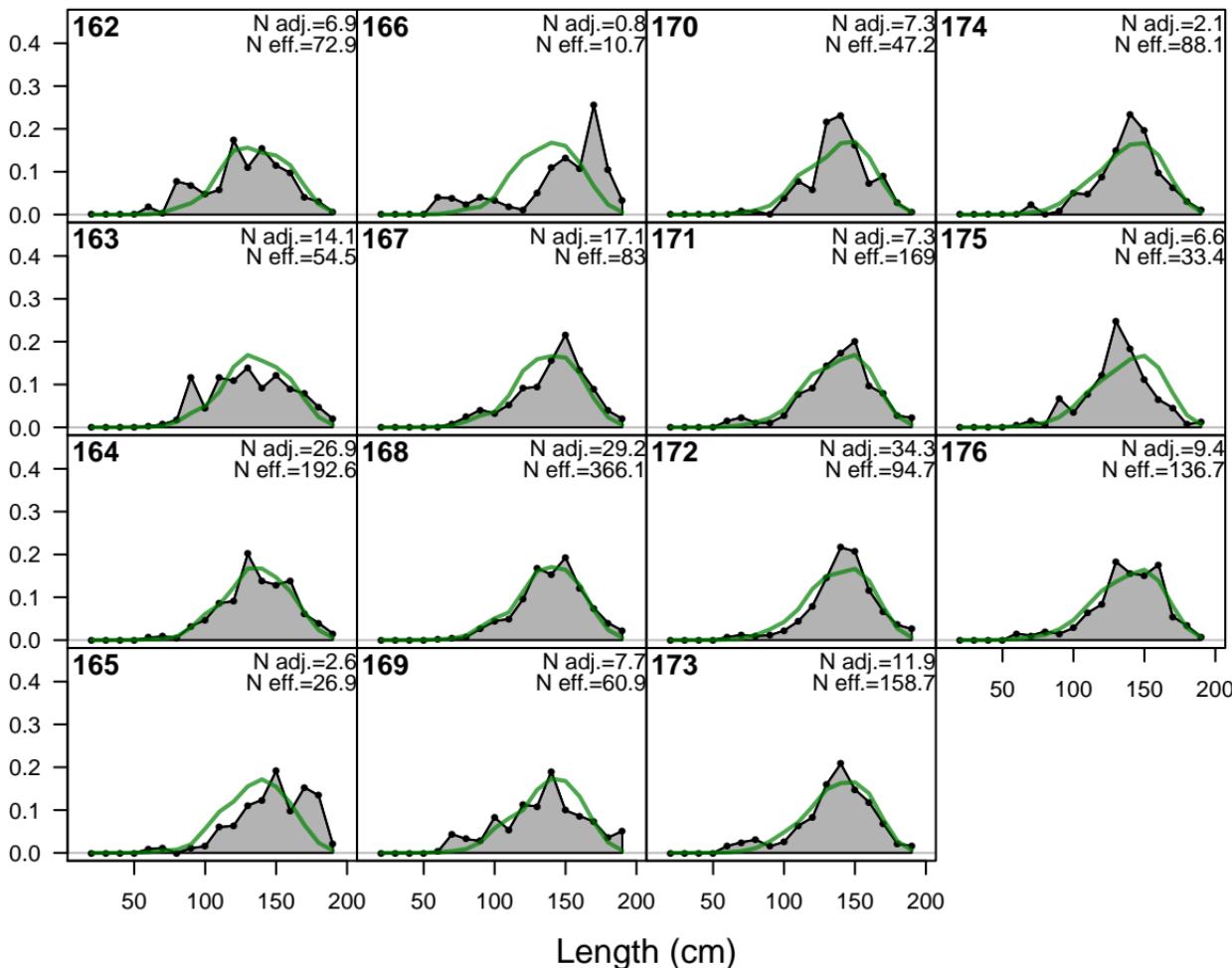
Proportion

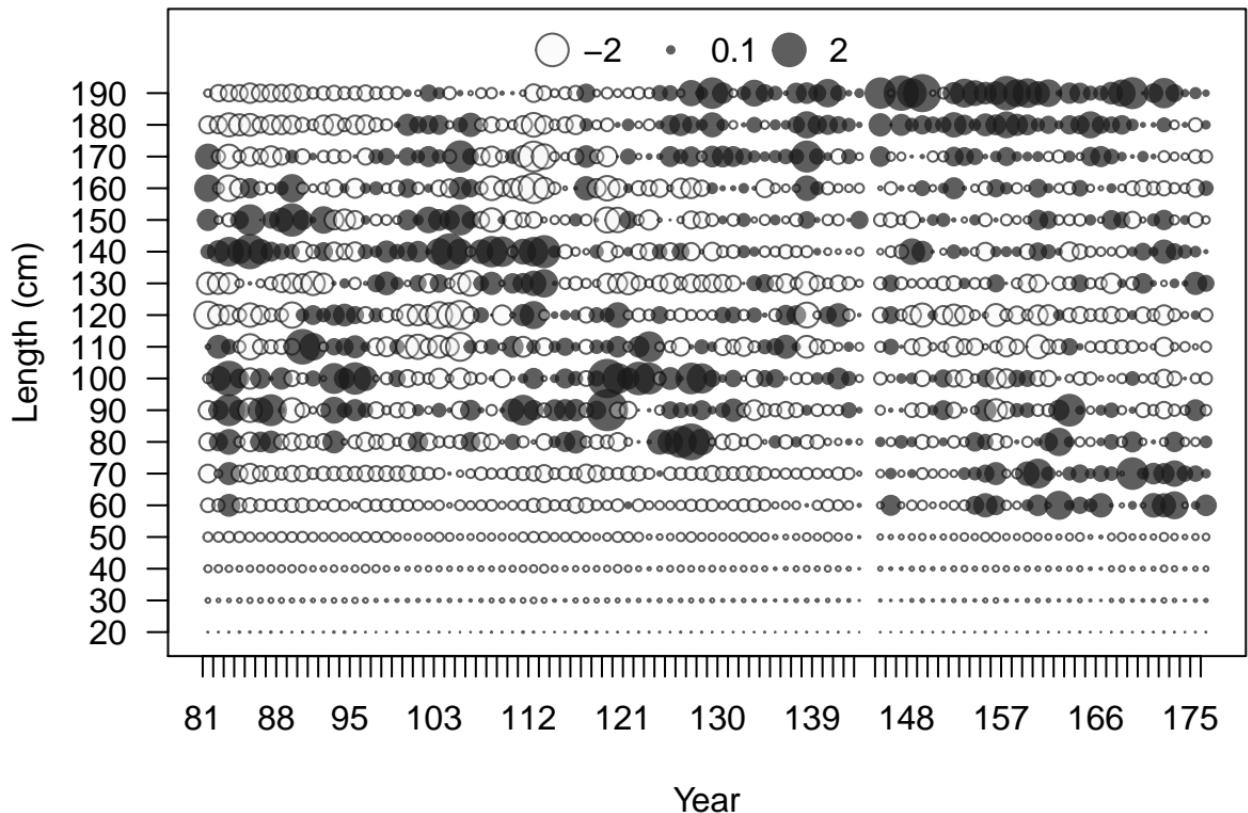


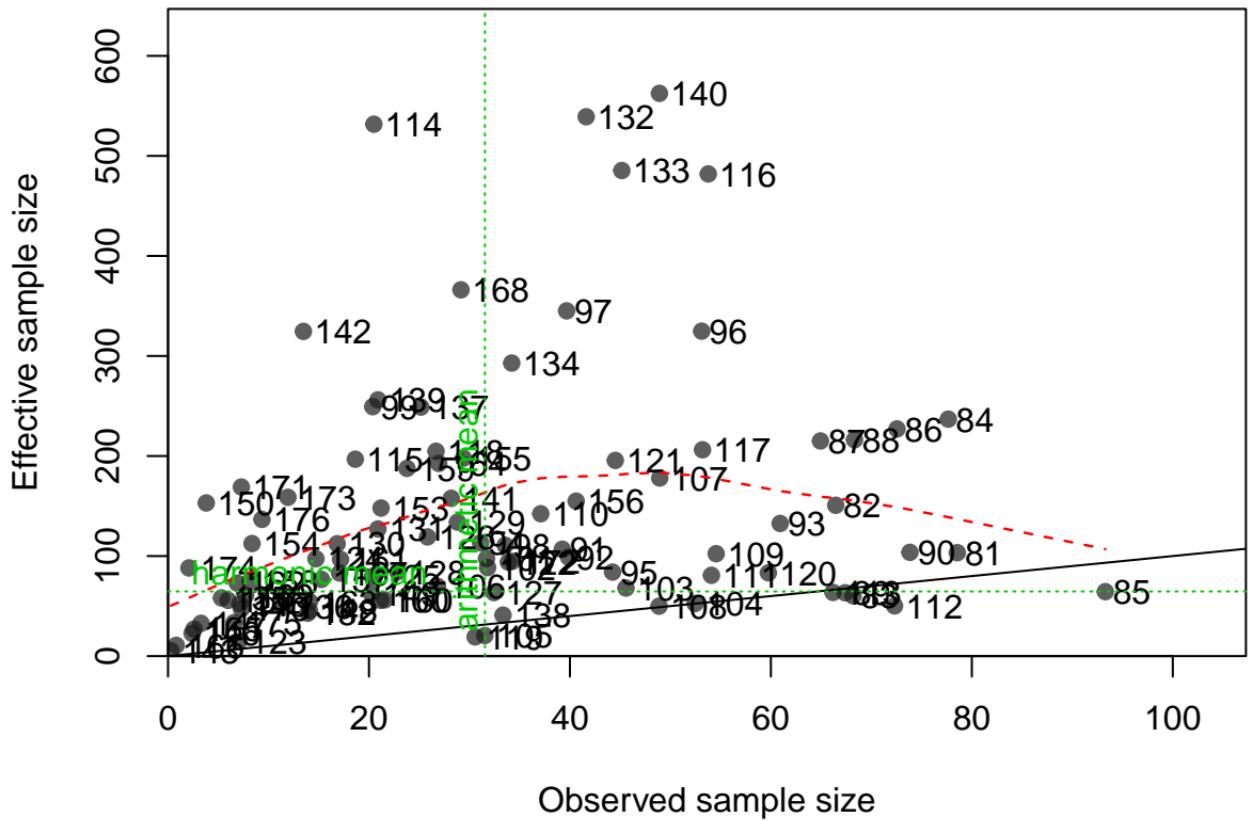
Proportion



Proportion







EPO-LL-survey-late (whole catch)

Mean length (cm)

200

150

100

50

80

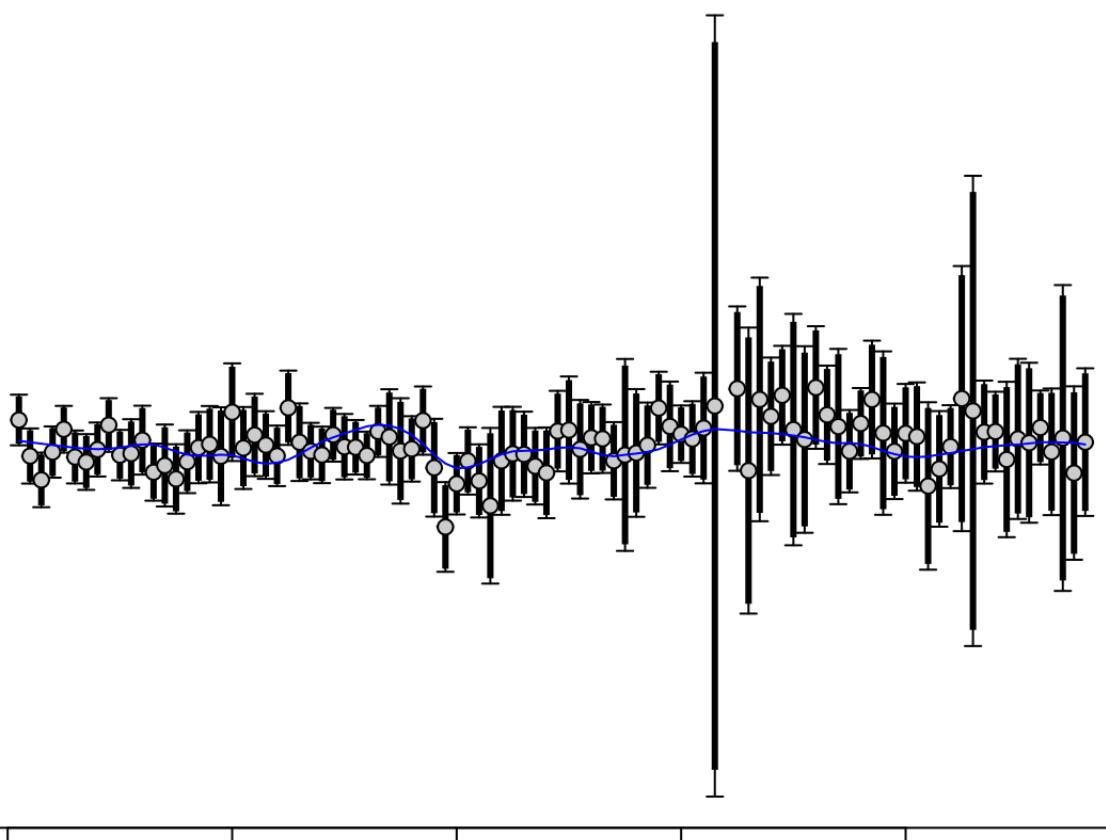
100

120

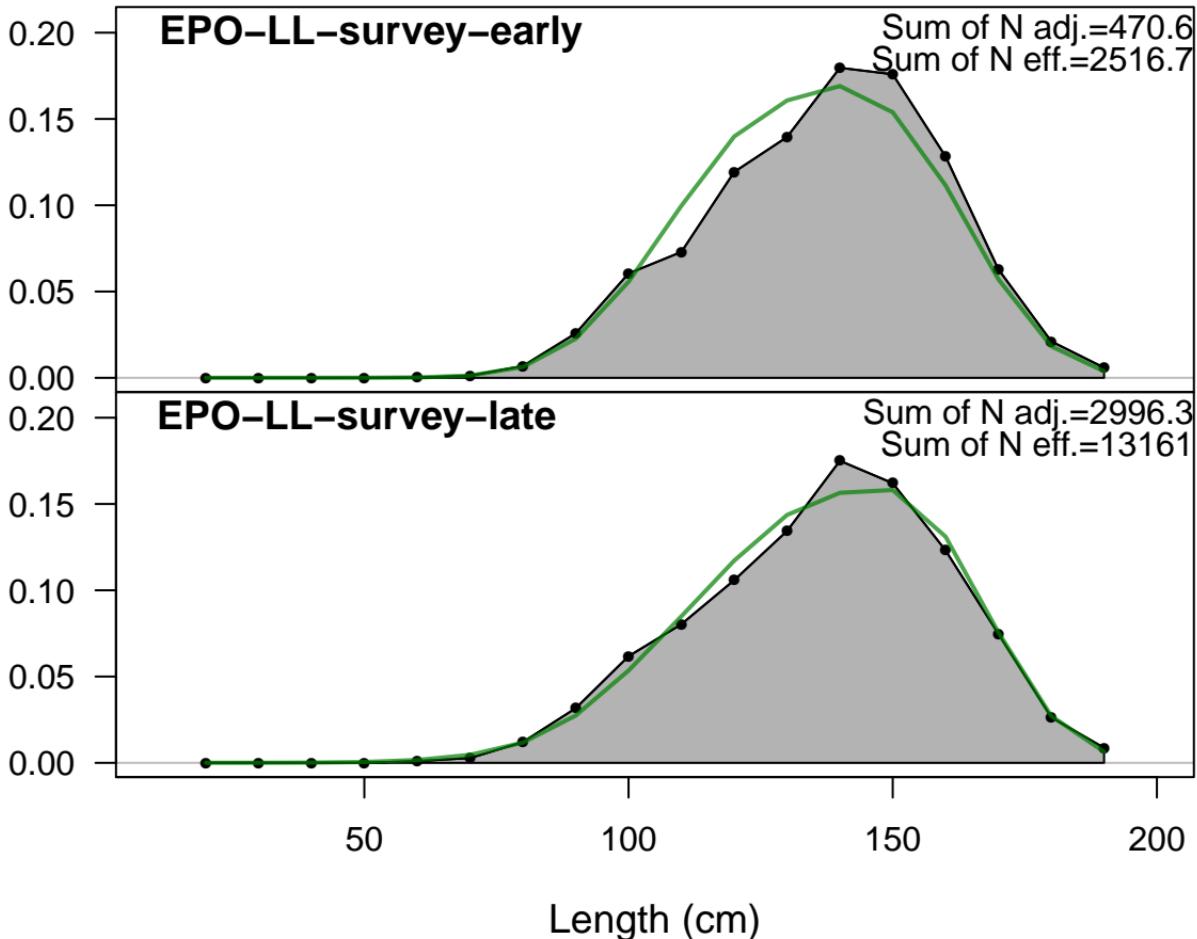
140

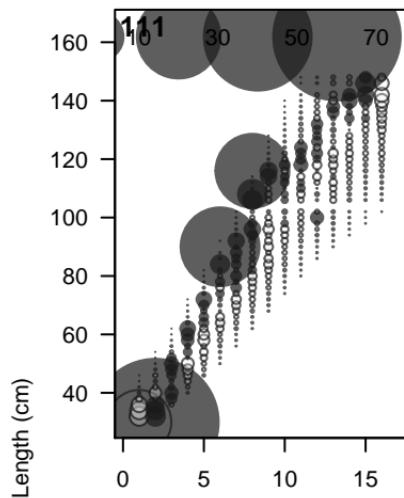
160

Year

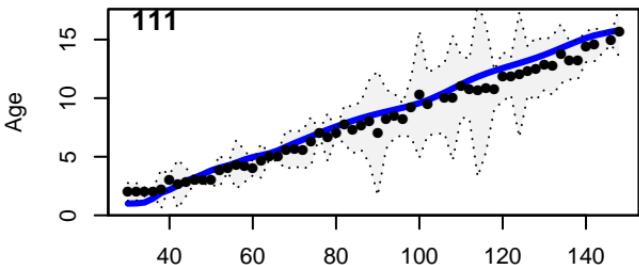


Proportion

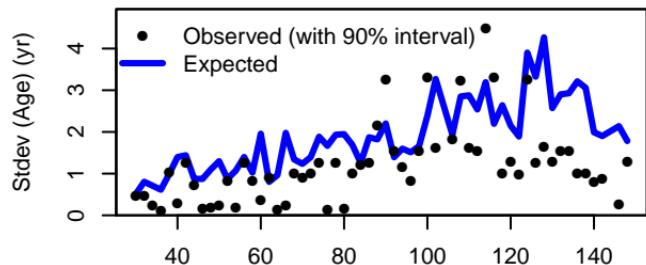


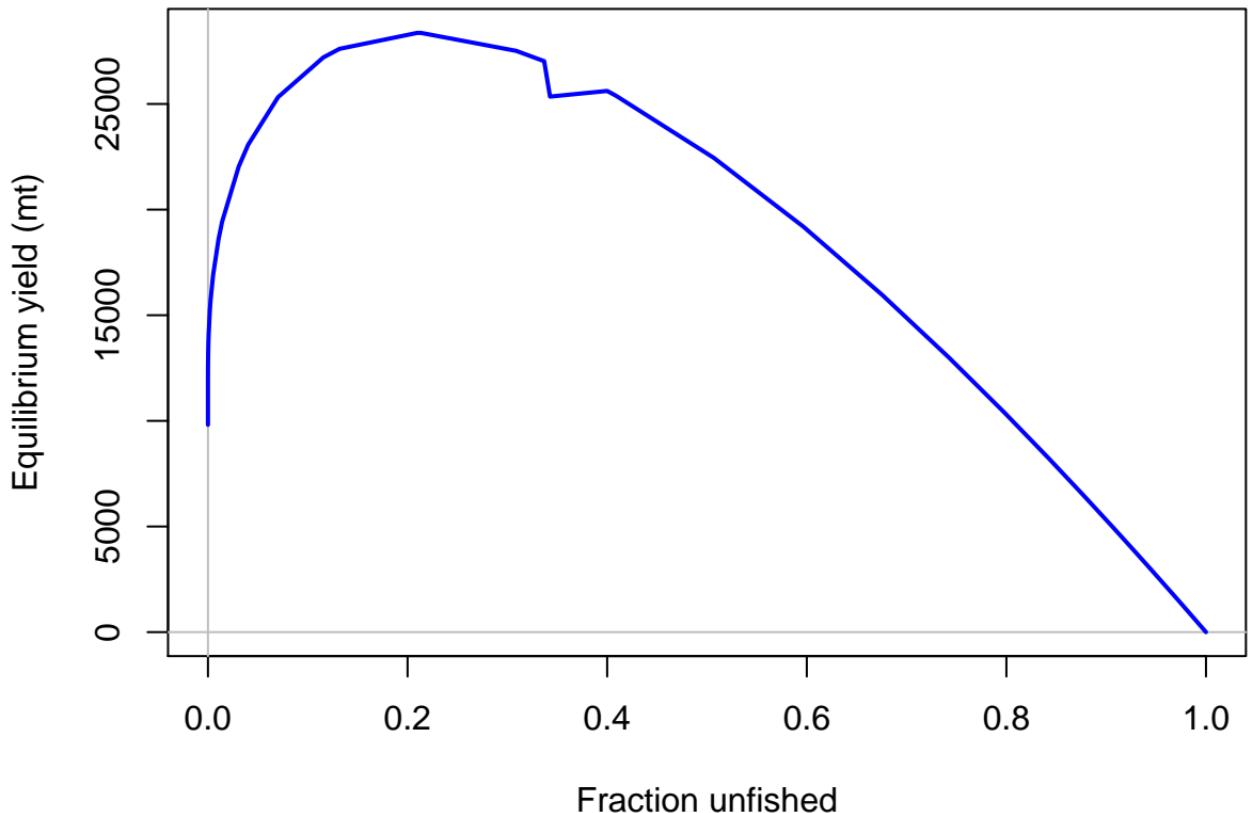


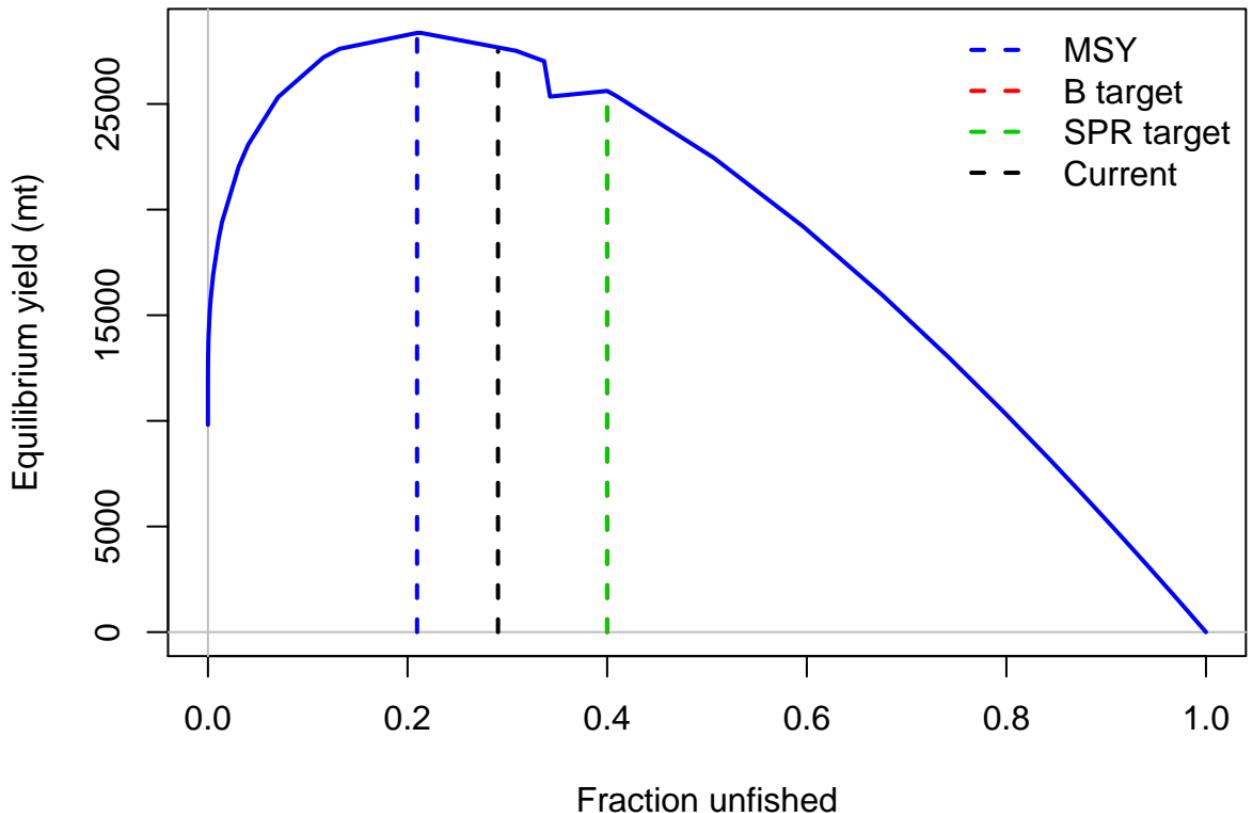
Age (yr)

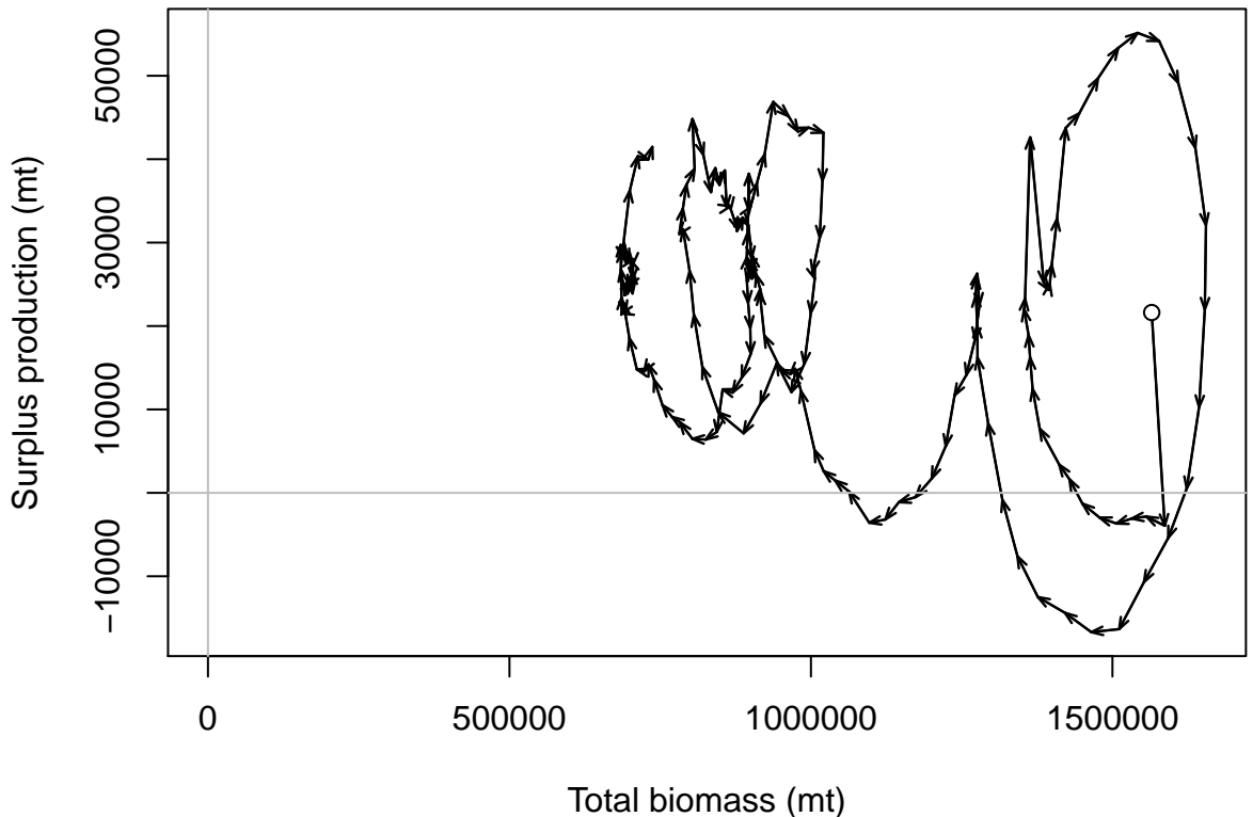


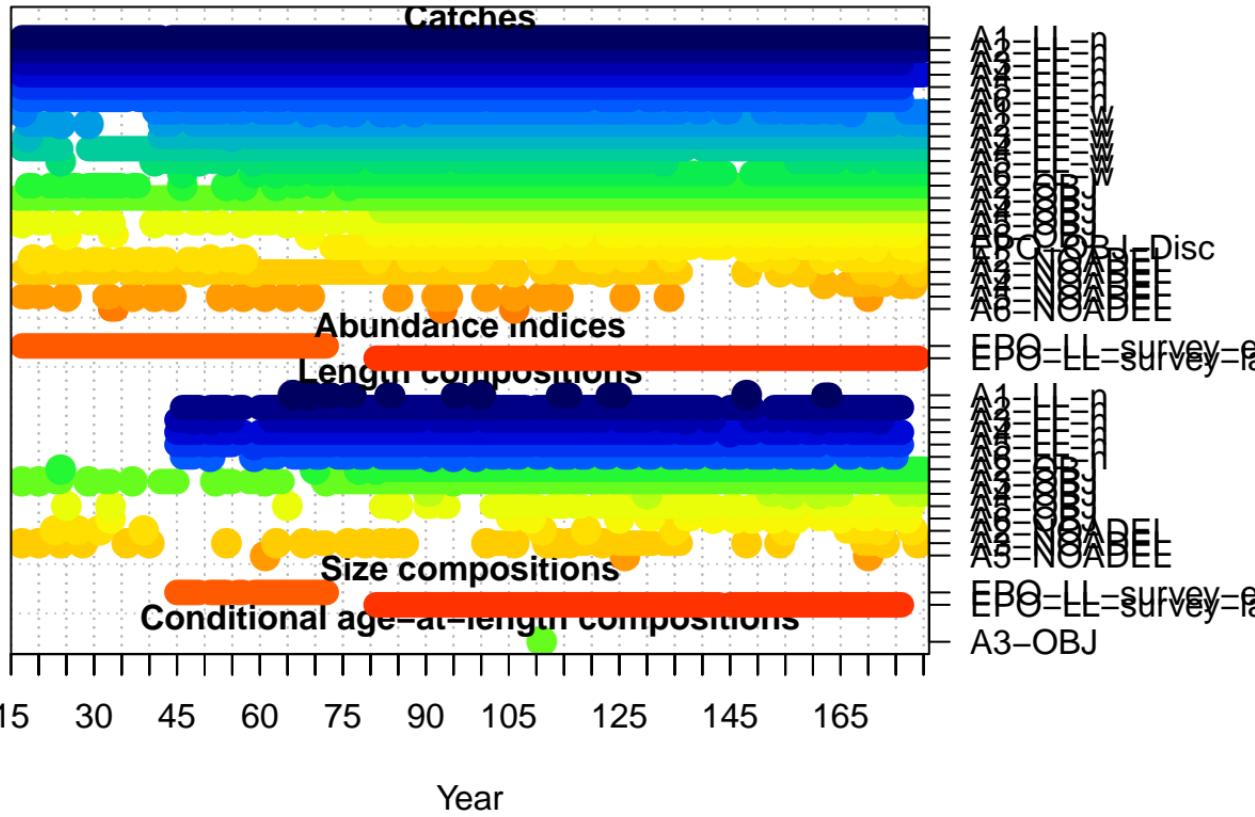
Length (cm)

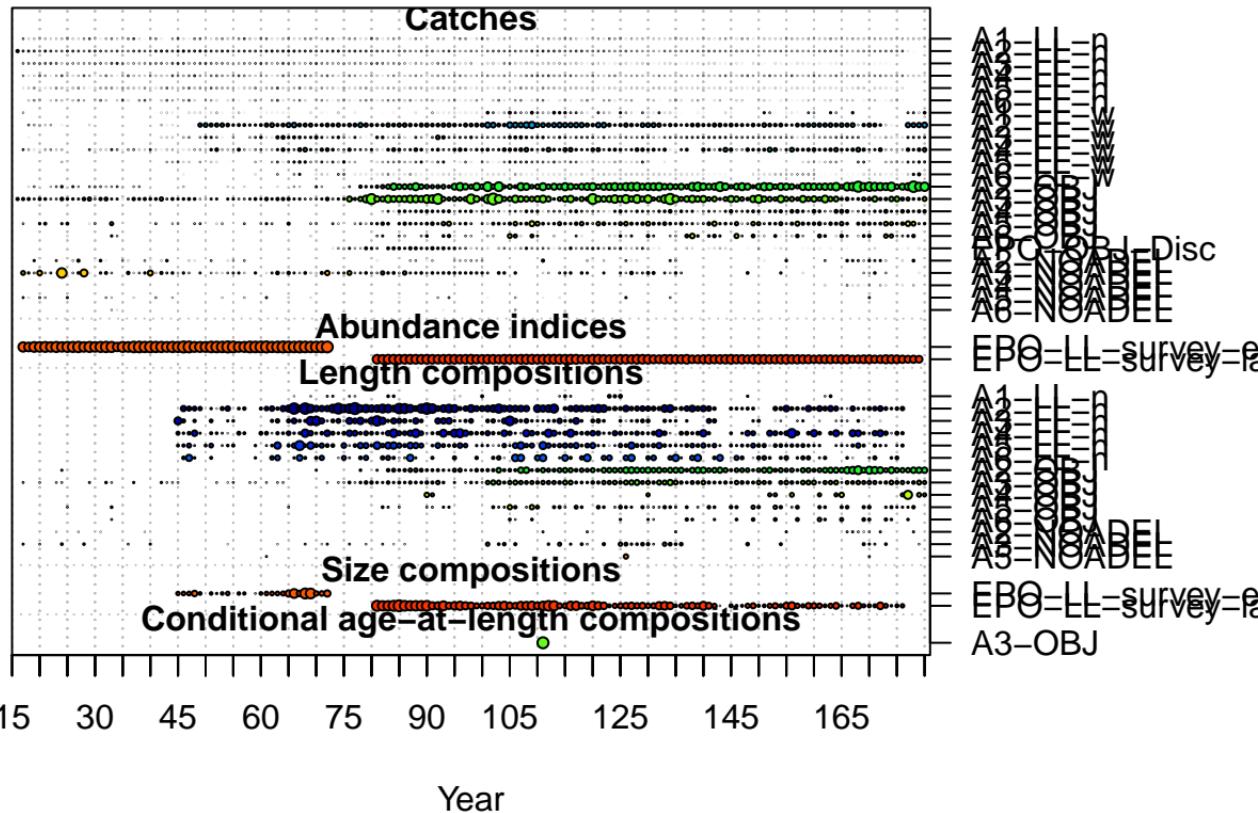








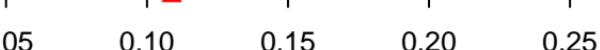
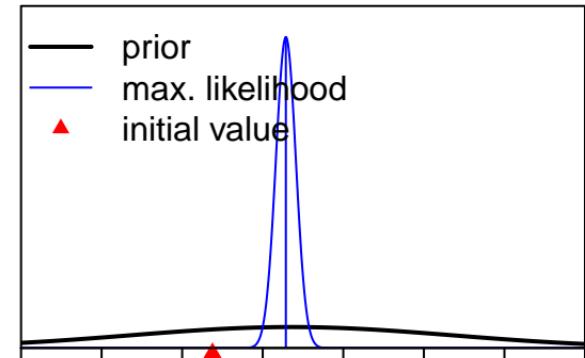




L_at_Amin_Fem_GP_1

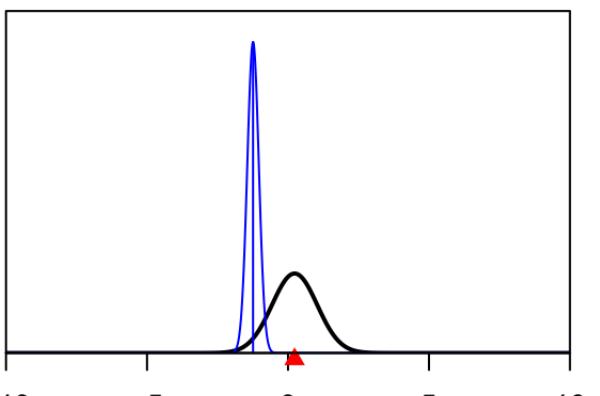
VonBert_K_Fem_GP_1

Density



L_at_Amax_Fem_GP_1

Richards_Fem_GP_1

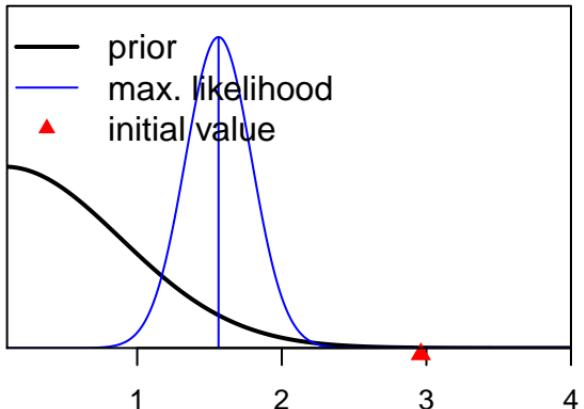


Parameter value

SD_young_Fem_GP_1

SR_LN(R0)

Density



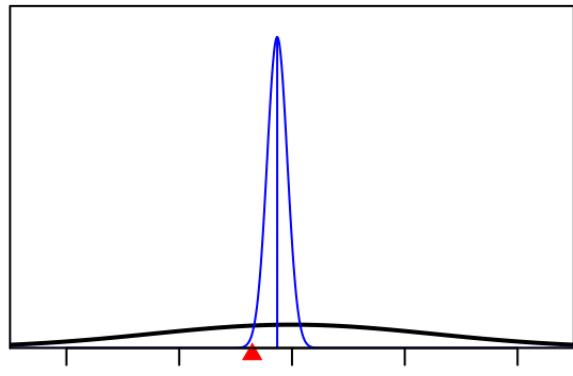
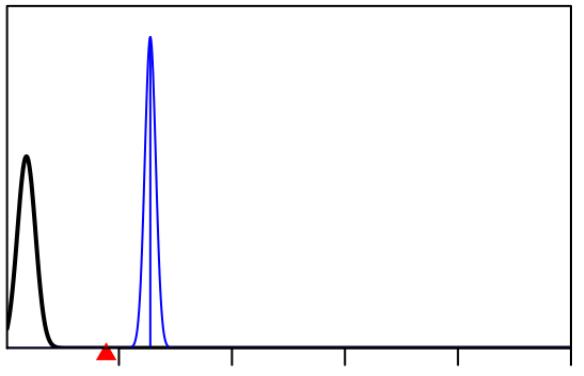
SD_old_Fem_GP_1

SR_regime_BLK1add_16

10 20 30 40 50

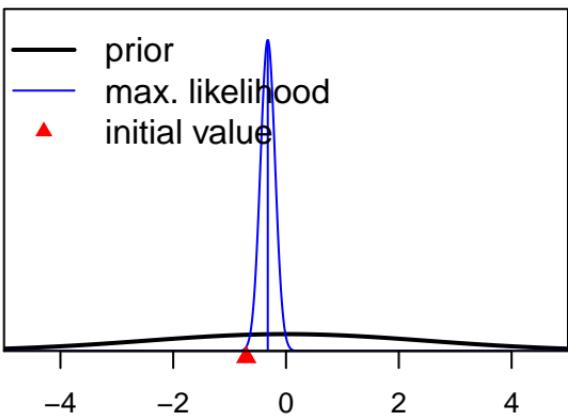
-4 -2 0 2 4

Parameter value

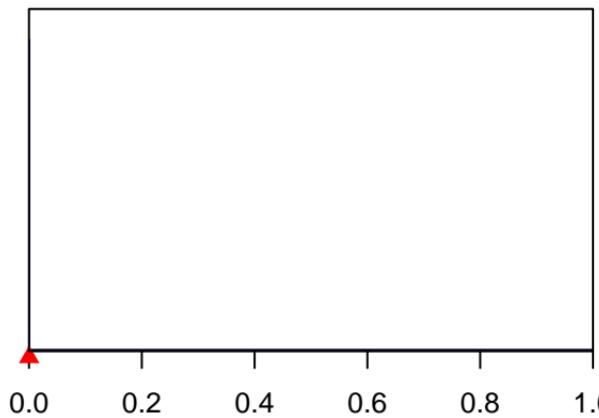


SR_regime_BLK1add_17

Density

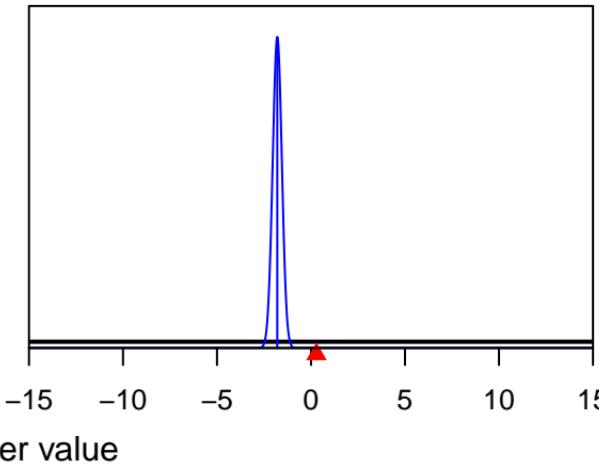


InitF_seas_1_flt_14A3-OBJ



InitF_seas_1_flt_2A2-LL-n

LnQ_base_EPO-LL-survey-early(24)

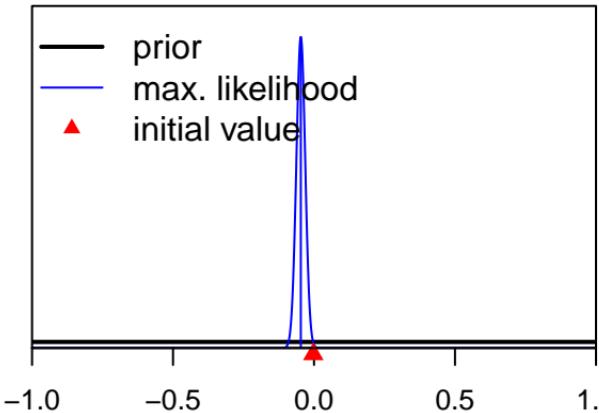


Parameter value

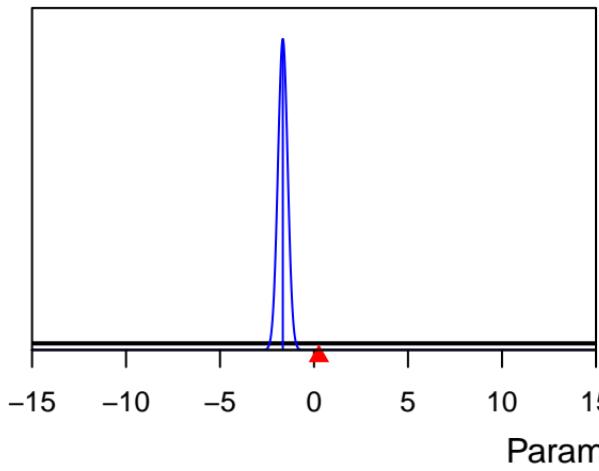
Q_extraSD_EPO-LL-survey-early(24)

SizeSpline_GradLo_A1-LL-n(1)

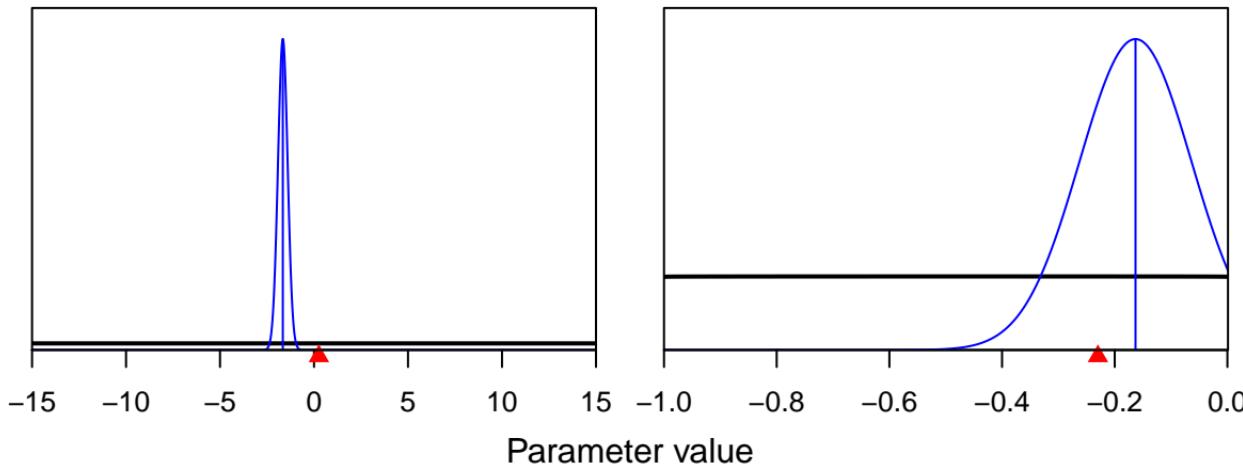
Density



LnQ_base_EPO-LL-survey-late(25)



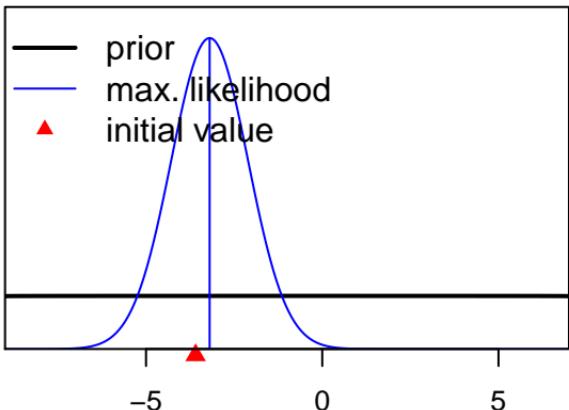
SizeSpline_GradHi_A1-LL-n(1)



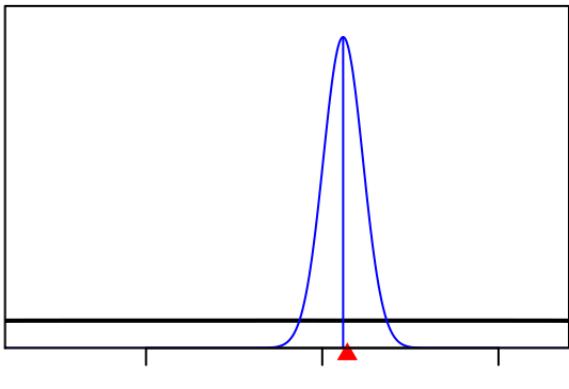
SizeSpline_Val_2_A1-LL-n(1)

Size_DbIN_peak_A2-LL-n(2)

Density

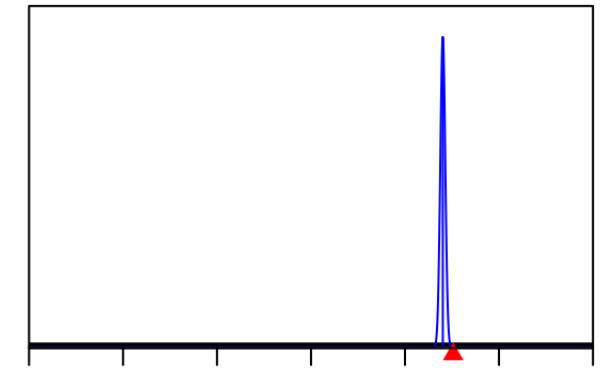


SizeSpline_Val_4_A1-LL-n(1)



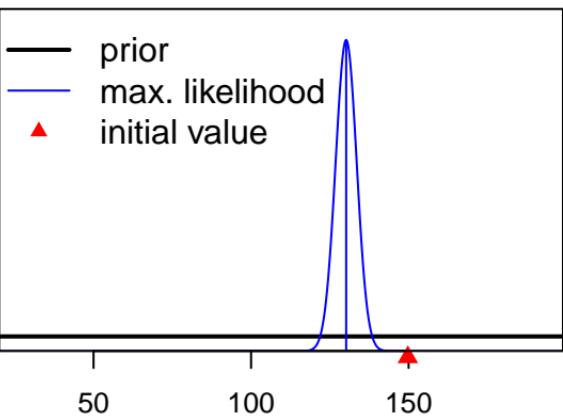
Parameter value

Size_DbIN_ascend_se_A2-LL-n(2)

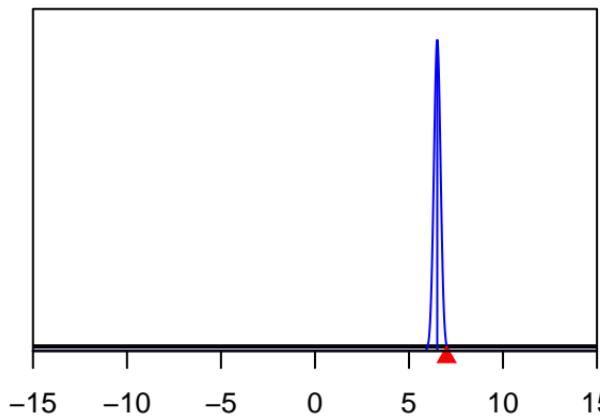


Size_DbIN_peak_A3-LL-n(3)

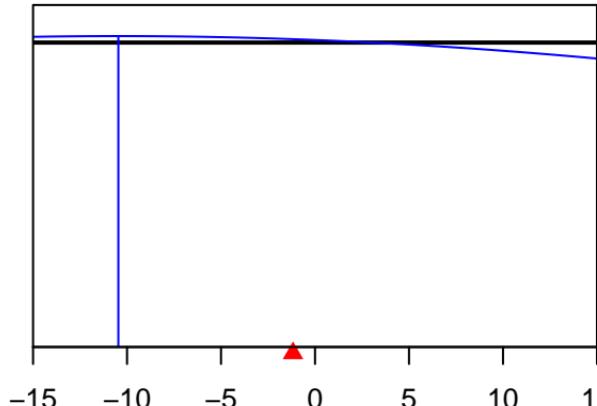
Density



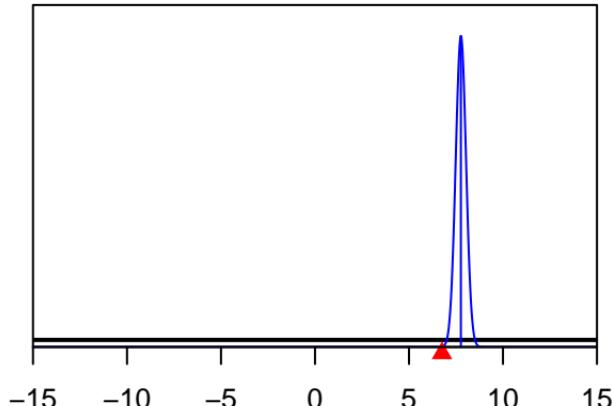
Size_DbIN_ascend_se_A3-LL-n(3)



Size_DbIN_top_logit_A3-LL-n(3)



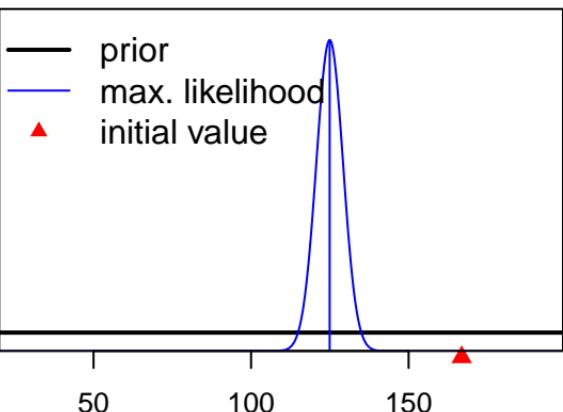
Size_DbIN_descend_se_A3-LL-n(3)



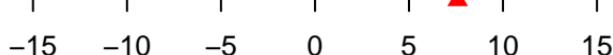
Parameter value

Size_DbIN_peak_A4-LL-n(4)

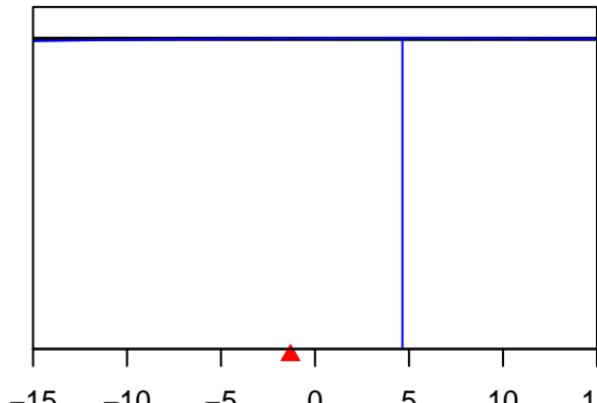
Density



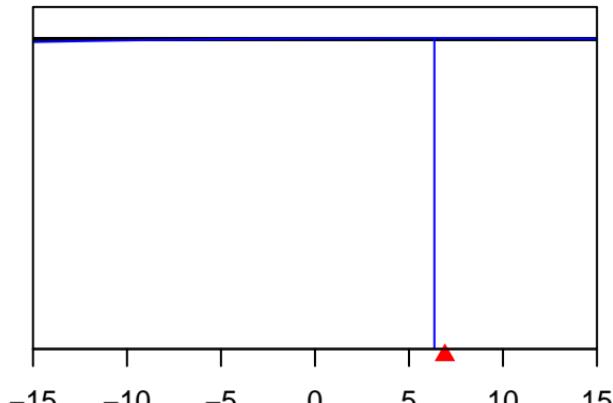
Size_DbIN_ascend_se_A4-LL-n(4)



Size_DbIN_top_logit_A4-LL-n(4)



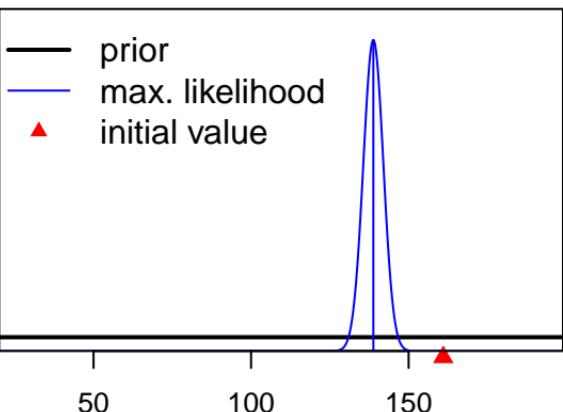
Size_DbIN_descend_se_A4-LL-n(4)



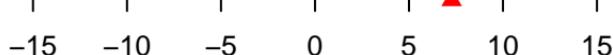
Parameter value

Size_DbIN_peak_A5-LL-n(5)

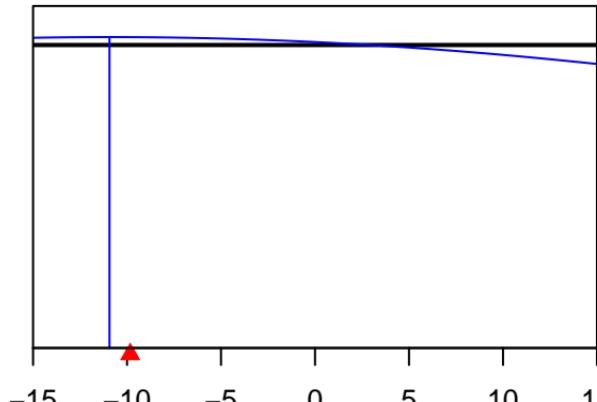
Density



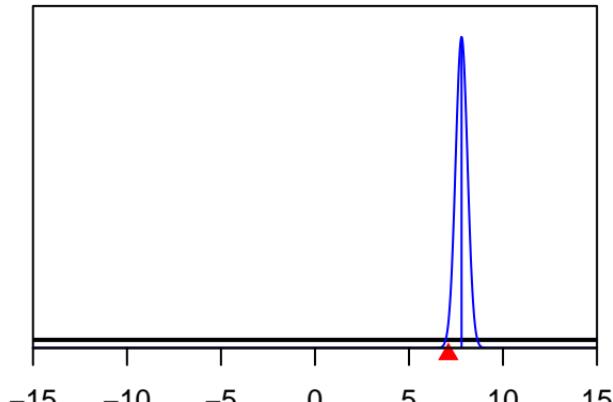
Size_DbIN_ascend_se_A5-LL-n(5)



Size_DbIN_top_logit_A5-LL-n(5)



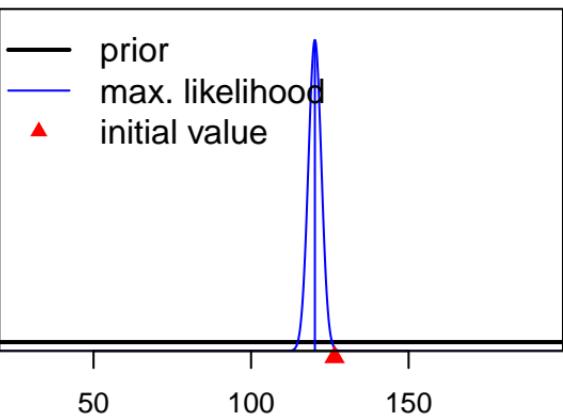
Size_DbIN_descend_se_A5-LL-n(5)



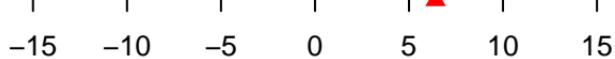
Parameter value

Size_DbIN_peak_A6-LL-n(6)

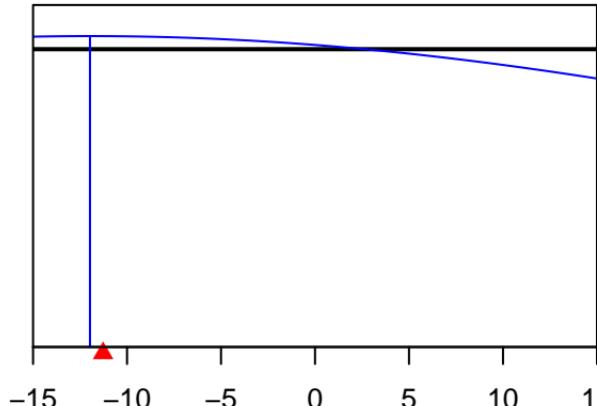
Density



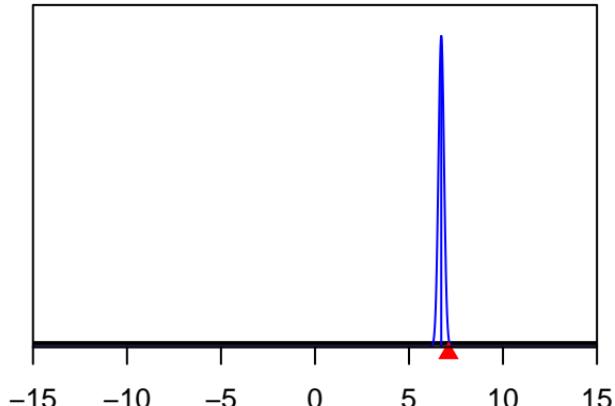
Size_DbIN_ascend_se_A6-LL-n(6)



Size_DbIN_top_logit_A6-LL-n(6)



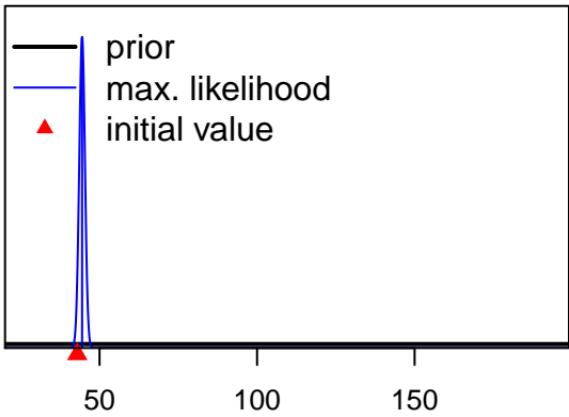
Size_DbIN_descend_se_A6-LL-n(6)



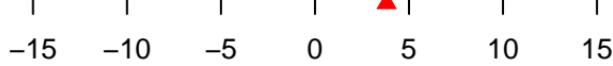
Parameter value

Size_DbIN_peak_A2-OBJ(13)

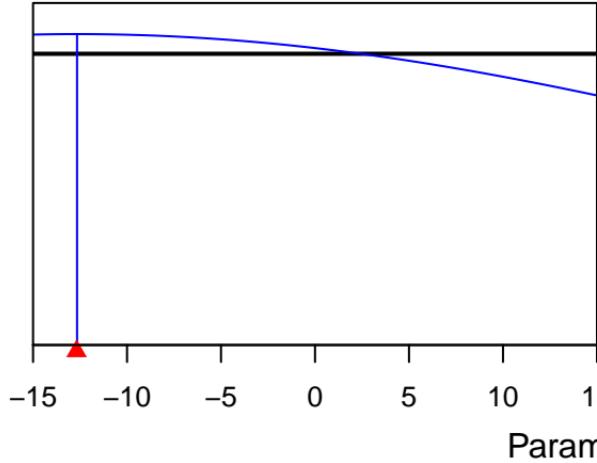
Density



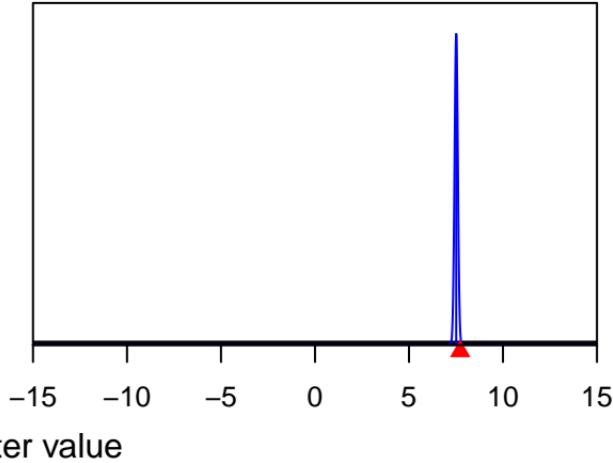
Size_DbIN_ascend_se_A2-OBJ(13)



Size_DbIN_top_logit_A2-OBJ(13)

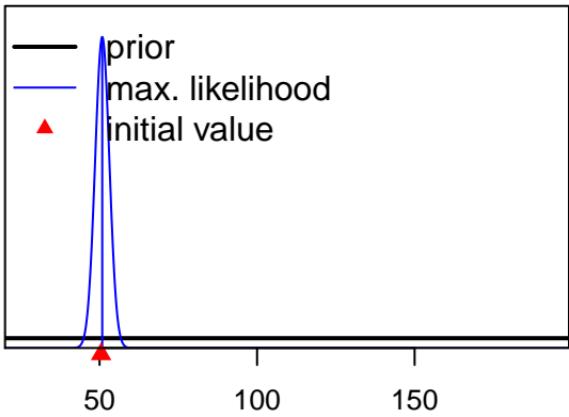


Size_DbIN_descend_se_A2-OBJ(13)

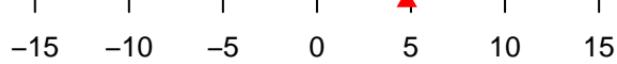


Size_DbIN_peak_A3–OBJ(14)

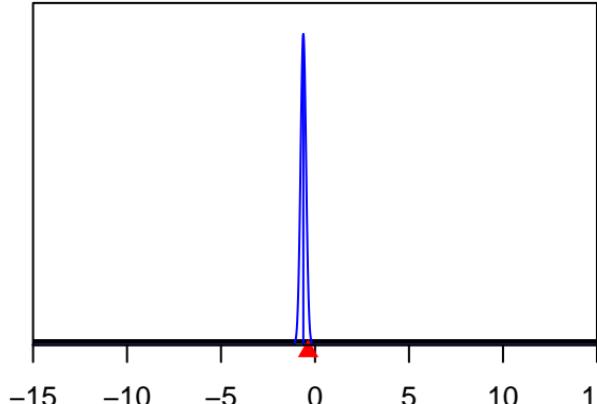
Density



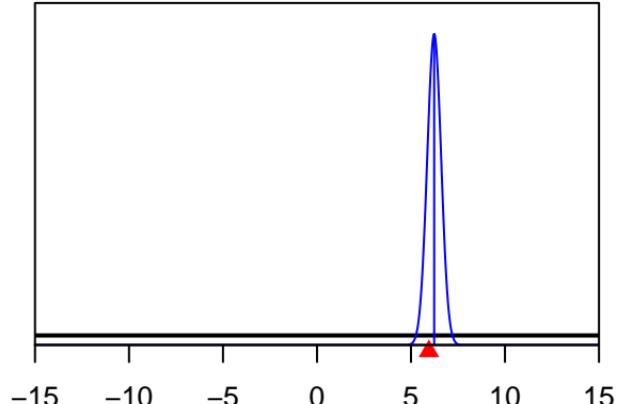
Size_DbIN_ascend_se_A3–OBJ(14)



Size_DbIN_top_logit_A3–OBJ(14)



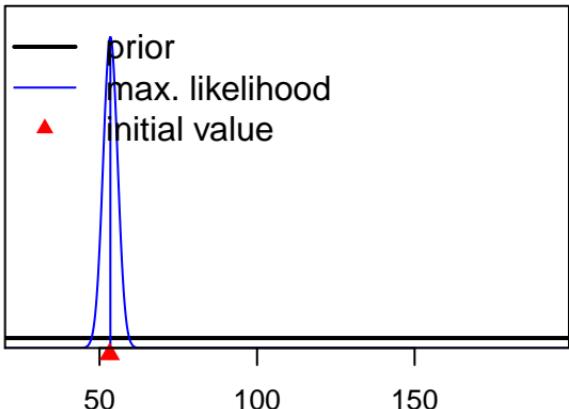
Size_DbIN_descend_se_A3–OBJ(14)



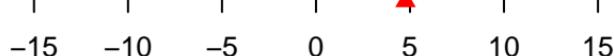
Parameter value

Size_DbIN_peak_A4–OBJ(15)

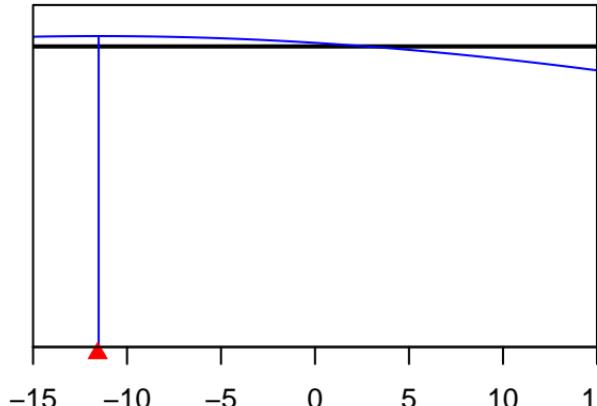
Density



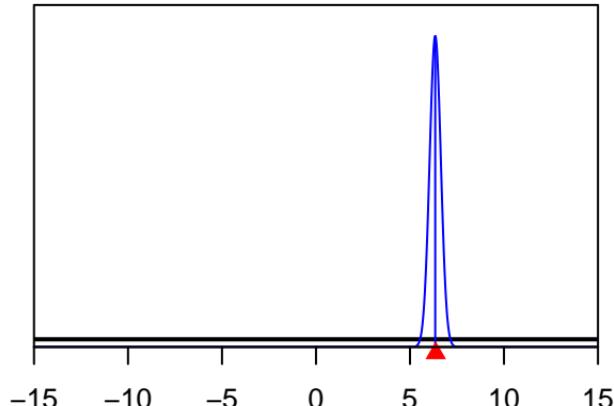
Size_DbIN_ascend_se_A4–OBJ(15)



Size_DbIN_top_logit_A4–OBJ(15)



Size_DbIN_descend_se_A4–OBJ(15)

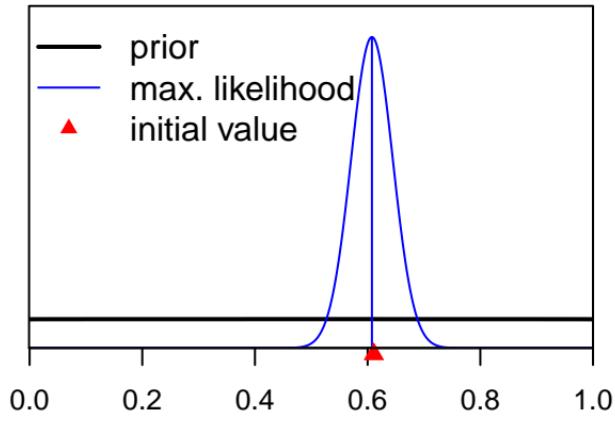


Parameter value

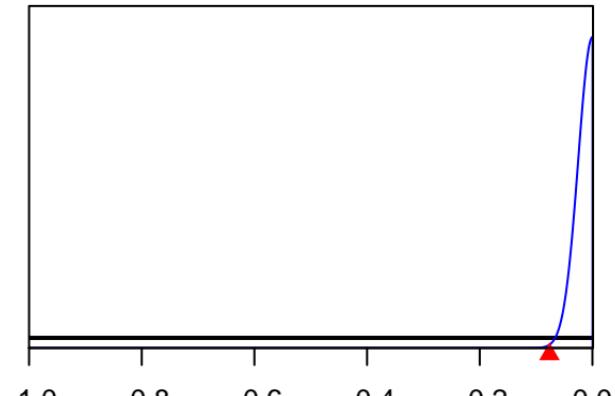
SizeSpline_GradLo_A5–OBJ(16)

SizeSpline_Val_1_A5–OBJ(16)

Density

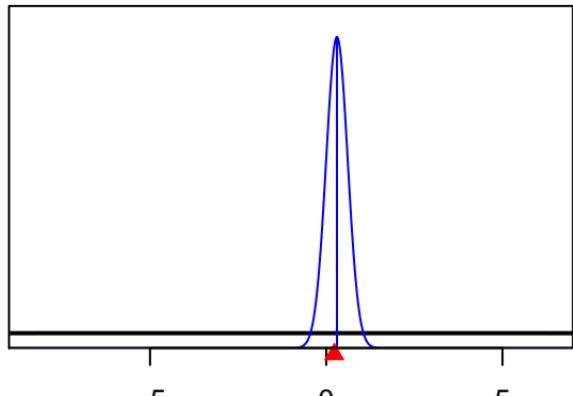


SizeSpline_GradHi_A5–OBJ(16)



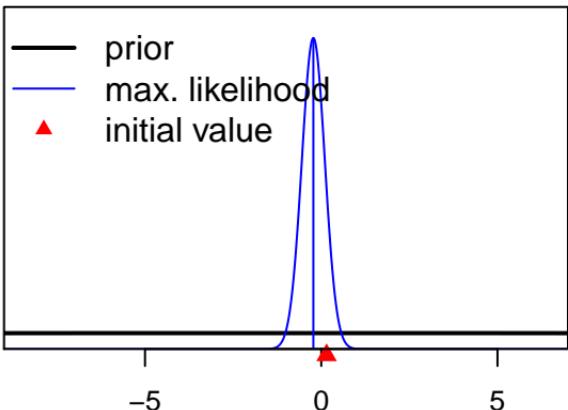
Parameter value

SizeSpline_Val_2_A5–OBJ(16)

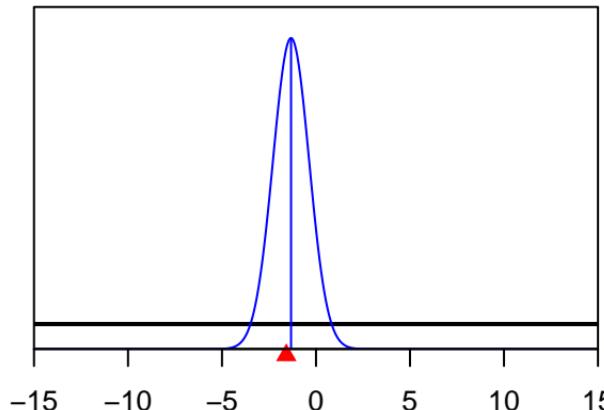


SizeSpline_Val_4_A5–OBJ(16)

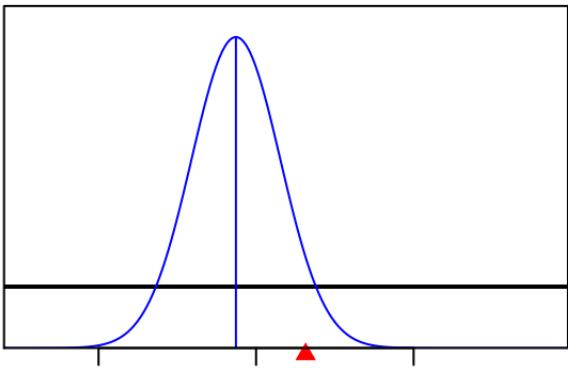
Density



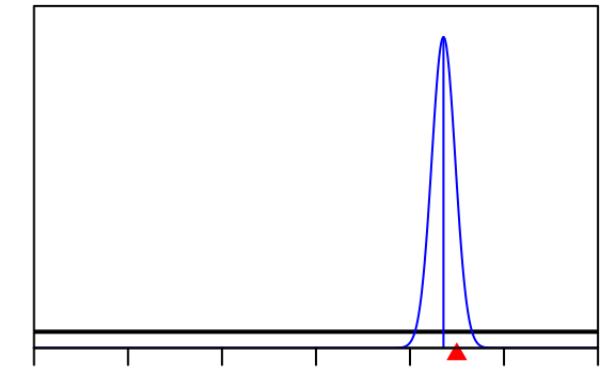
Size_DbIN_top_logit_A6–OBJ(17)



Size_DbIN_peak_A6–OBJ(17)

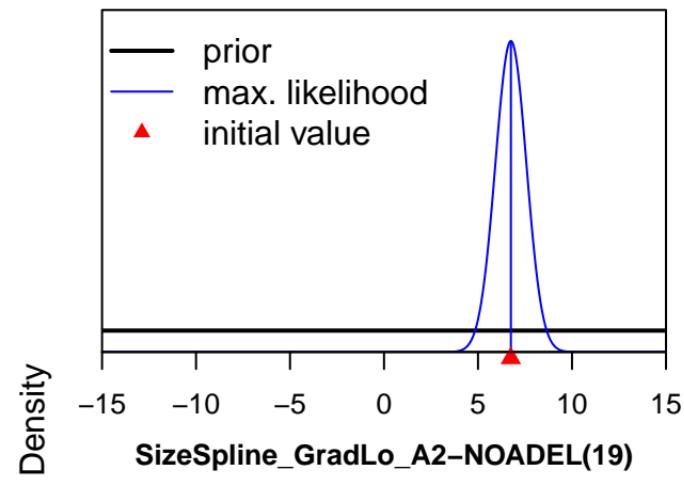


Size_DbIN_ascend_se_A6–OBJ(17)

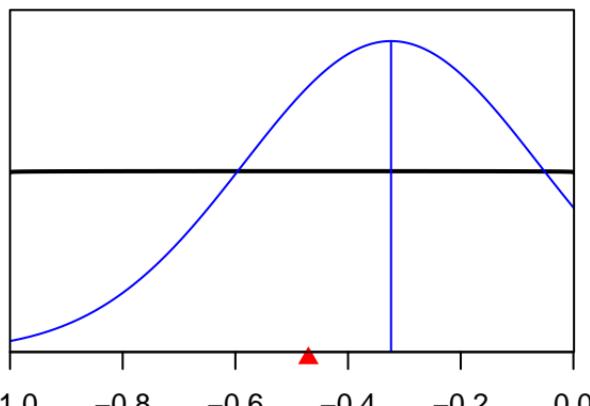


Parameter value

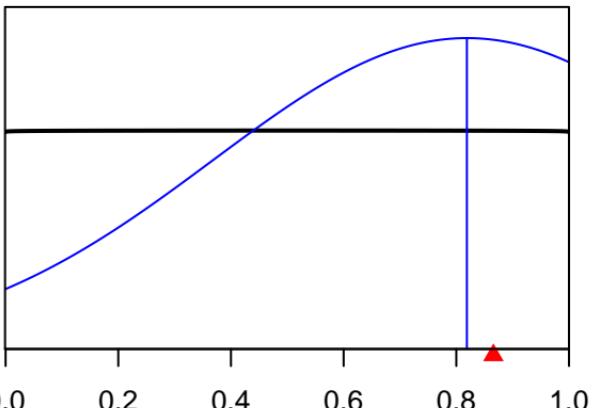
Size_DbIN_descend_se_A6–OBJ(17)



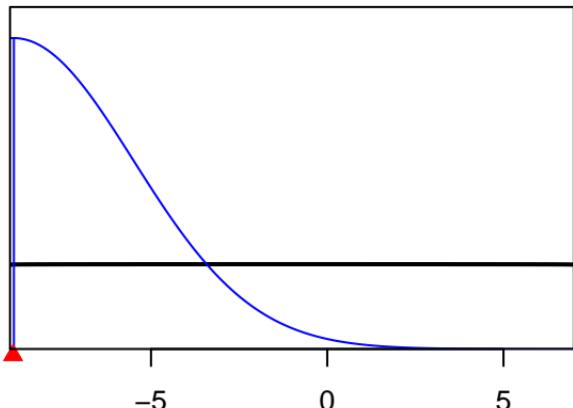
SizeSpline_GradHi_A2–NOADEL(19)



SizeSpline_GradLo_A2–NOADEL(19)

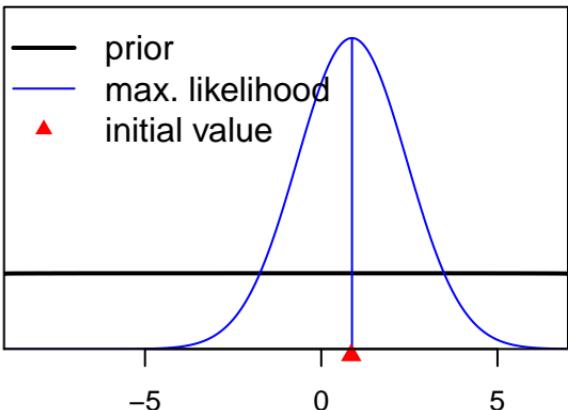


SizeSpline_Val_1_A2–NOADEL(19)

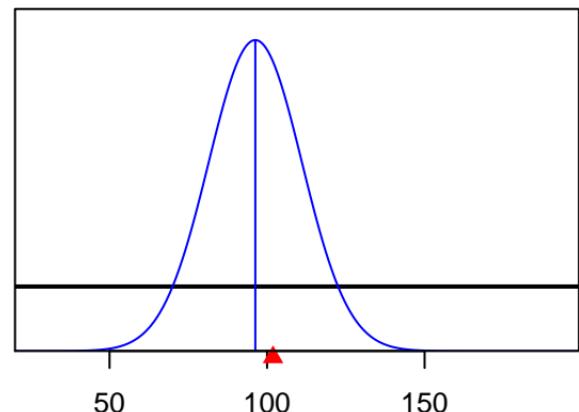


SizeSpline_Val_2_A2-NOADEL(19)

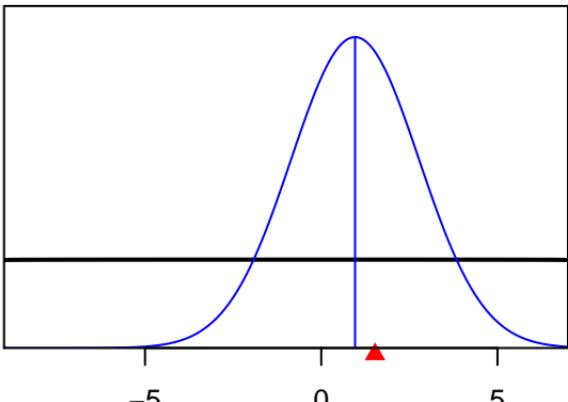
Density



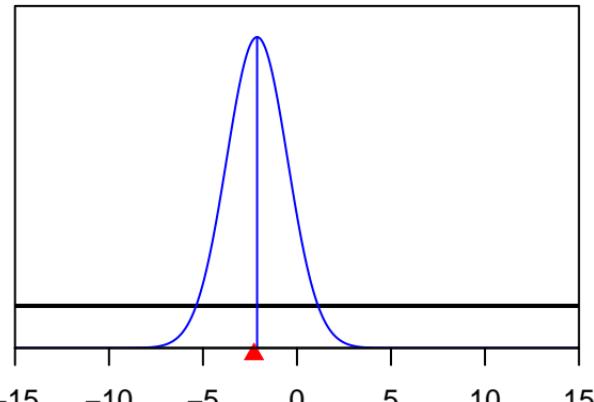
Size_DbIN_peak_A3-NOADEL(20)



SizeSpline_Val_4_A2-NOADEL(19)

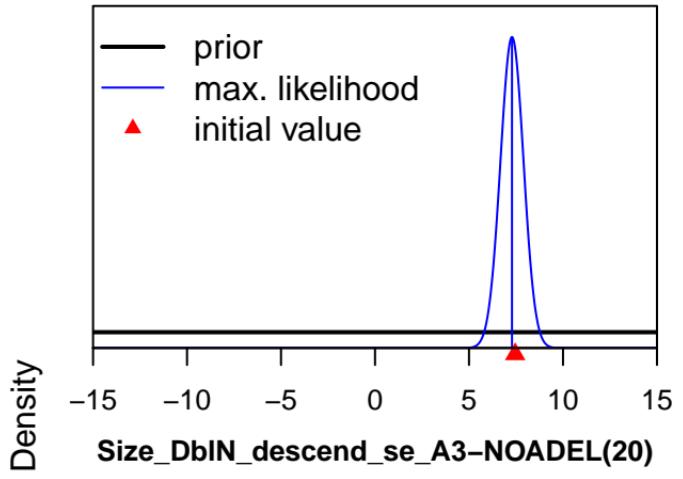


Size_DbIN_top_logit_A3-NOADEL(20)

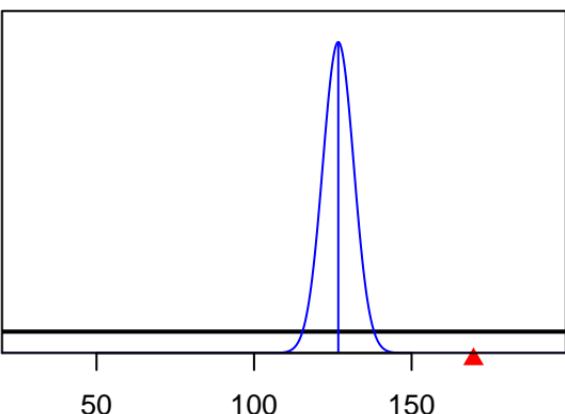


Parameter value

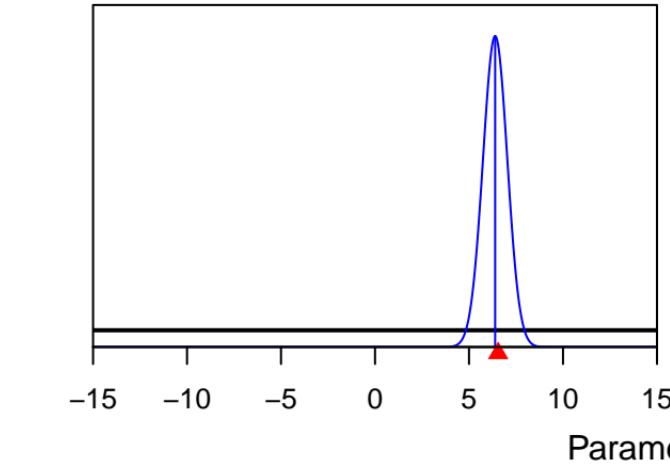
Size_DbIN_ascend_se_A3-NOADEL(20)



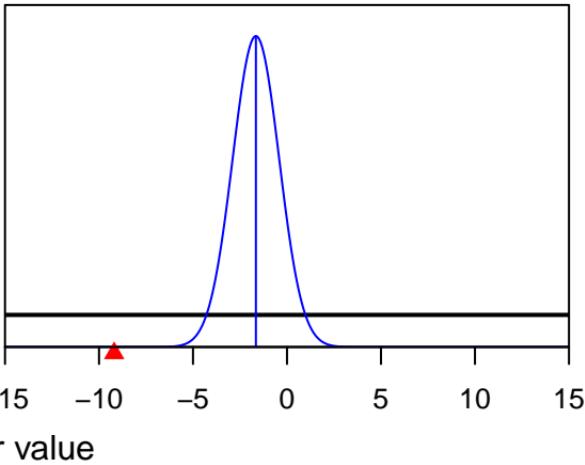
Size_DbIN_peak_EPO-LL-survey-early(24)



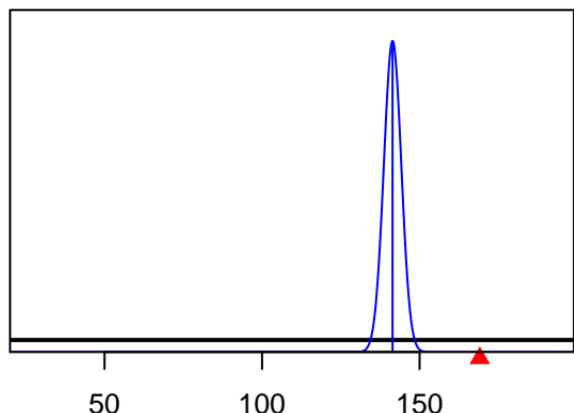
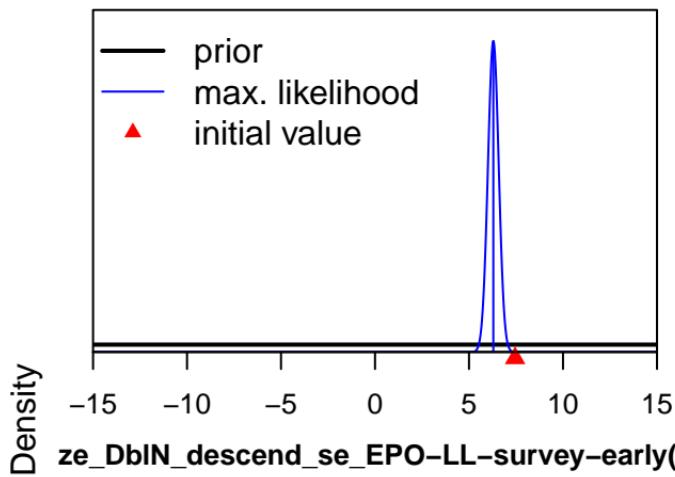
Size_DbIN_descend_se_A3-NOADEL(20)



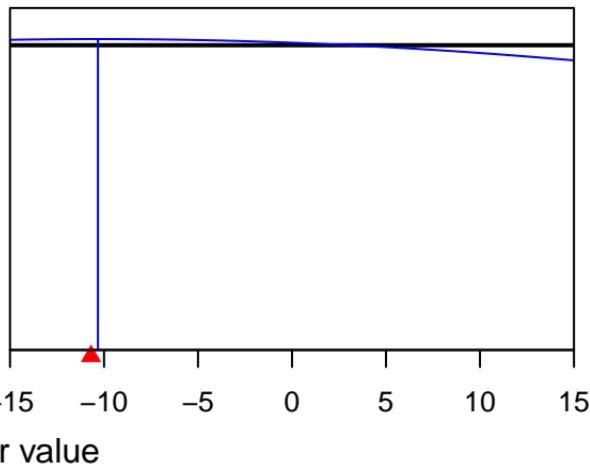
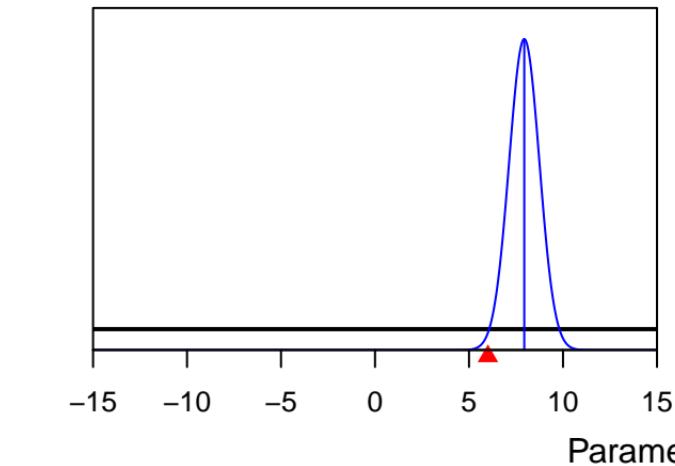
Size_DbIN_top_logit_EPO-LL-survey-early(24)



ize_DbIN_ascend_se_EPO-LL-survey-early(2) Size_DbIN_peak_EPO-LL-survey-late(25)

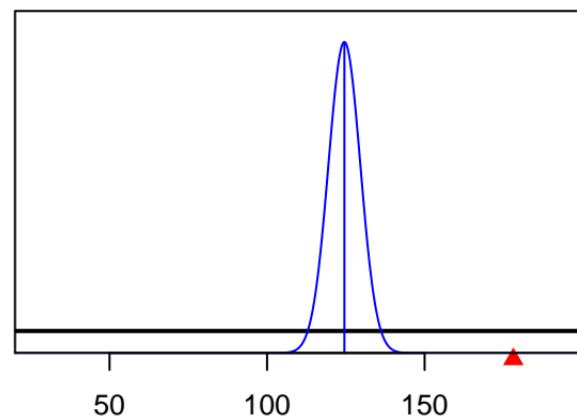
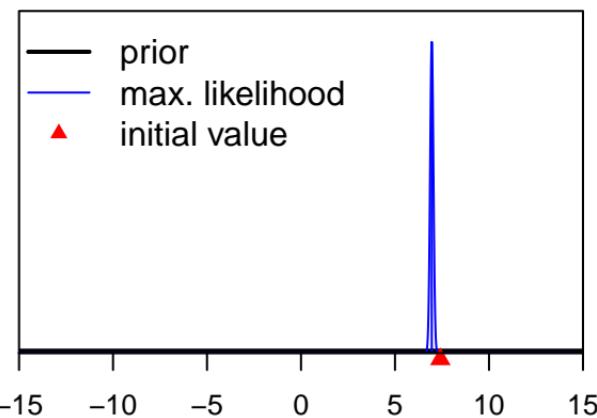


size_DbIN_descend_se_EPO-LL-survey-early(2) Size_DbIN_top_logit_EPO-LL-survey-late(25)

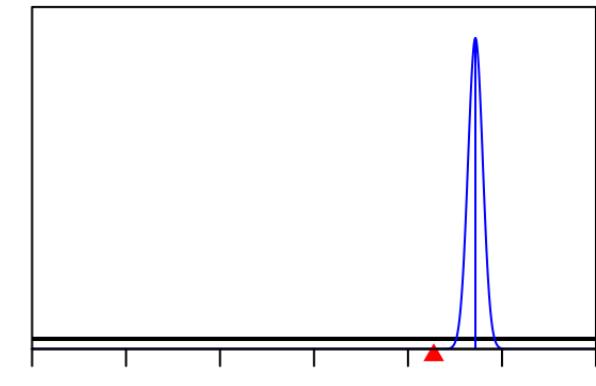
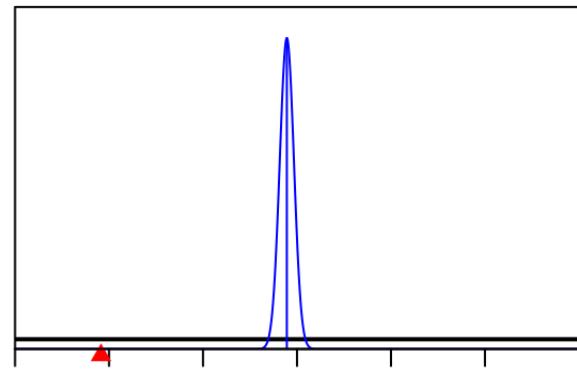


Size_DbIN_ascend_se_EPO-LL-survey-late(25) Size_DbIN_peak_A2-LL-n(2)_BLK2repl_17

Density



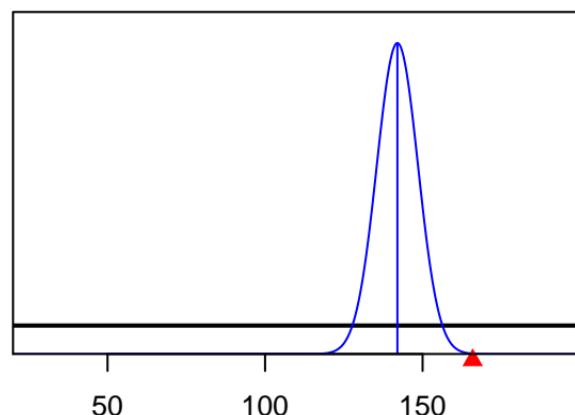
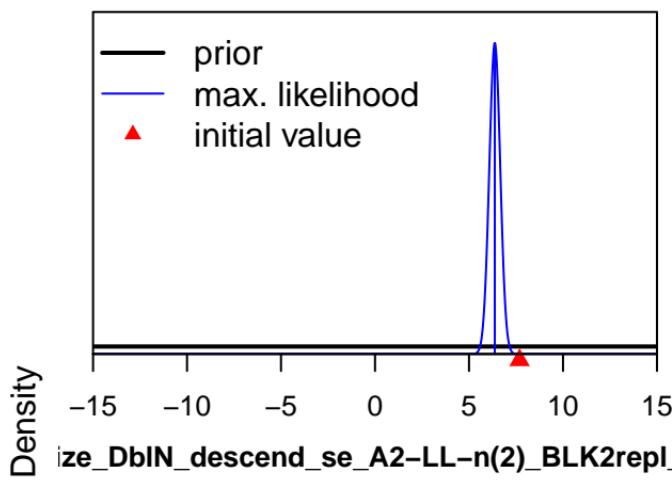
size_DbIN_descend_se_EPO-LL-survey-late(2) Size_DbIN_top_logit_A2-LL-n(2)_BLK2repl_17



Parameter value

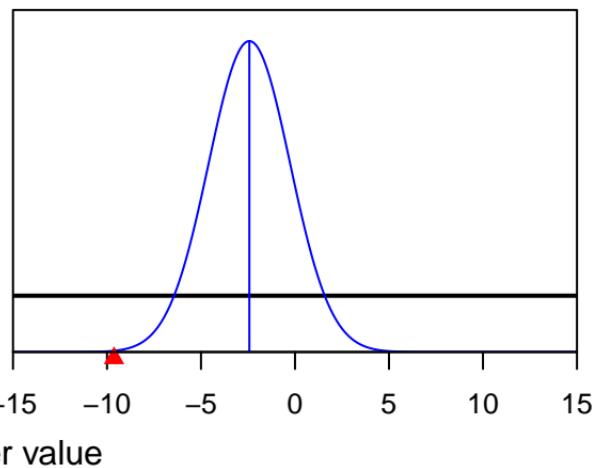
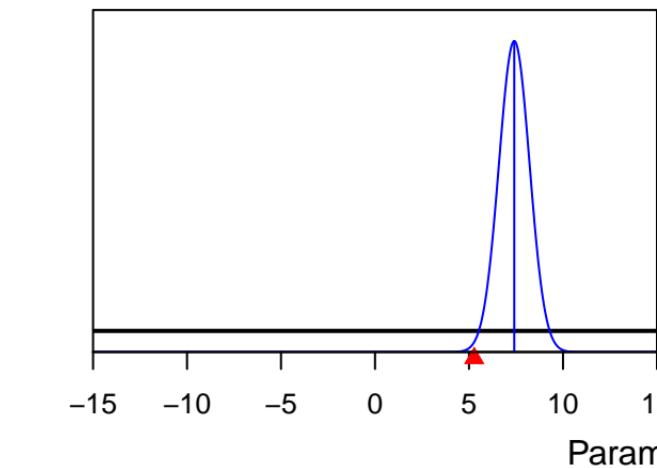
Size_DbIN_ascend_se_A2-LL-n(2)_BLK2repl_1

Size_DbIN_peak_A3-LL-n(3)_BLK2repl_17



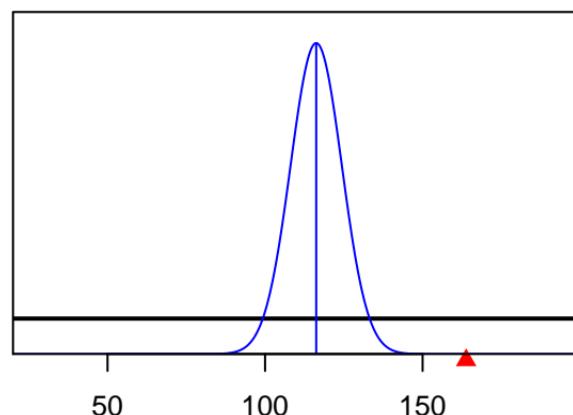
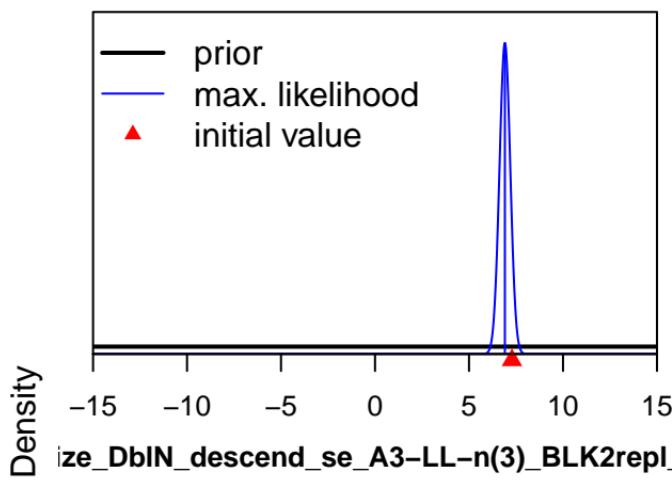
Size_DbIN_descend_se_A2-LL-n(2)_BLK2repl_1

Size_DbIN_top_logit_A3-LL-n(3)_BLK2repl_17



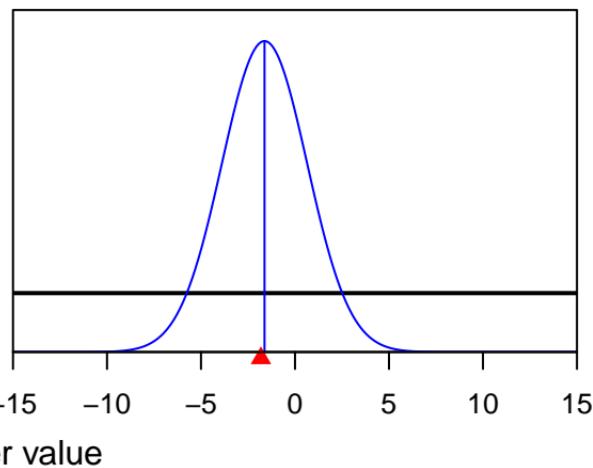
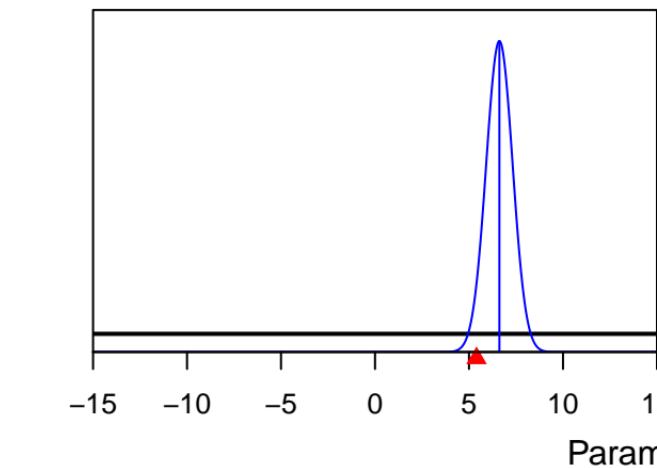
Size_DbIN_ascend_se_A3-LL-n(3)_BLK2repl_1

Size_DbIN_peak_A4-LL-n(4)_BLK2repl_17



Size_DbIN_descend_se_A3-LL-n(3)_BLK2repl_1

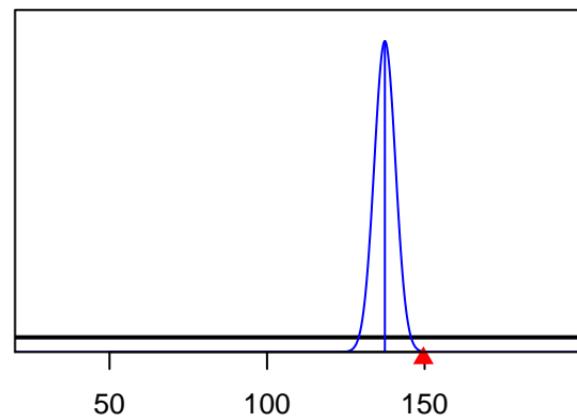
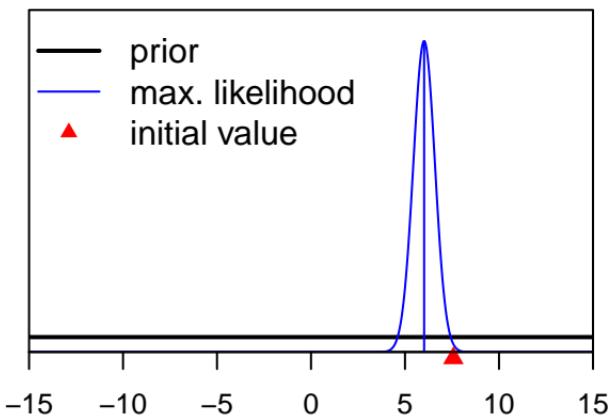
Size_DbIN_top_logit_A4-LL-n(4)_BLK2repl_17



Size_DbIN_ascend_se_A4-LL-n(4)_BLK2repl_1

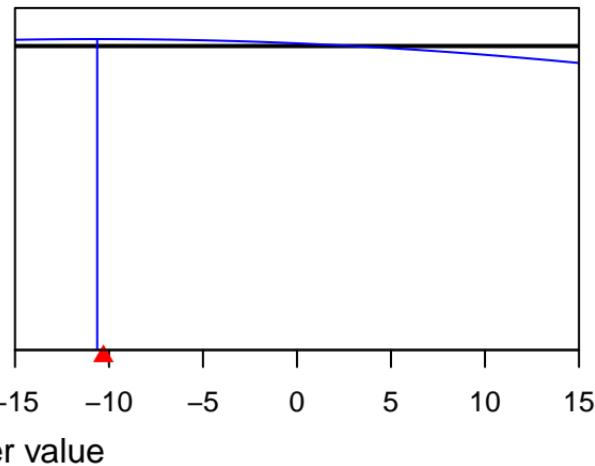
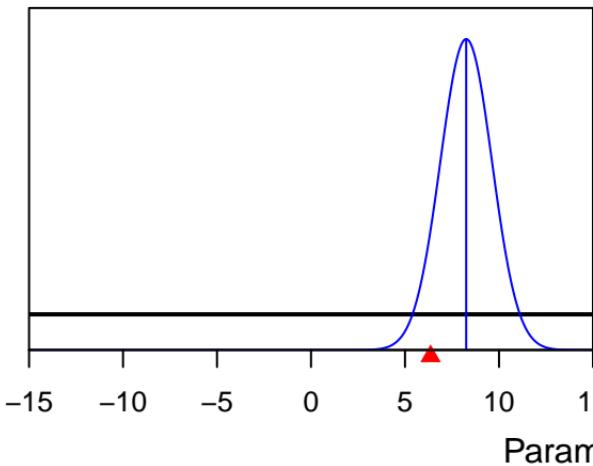
Size_DbIN_peak_A5-LL-n(5)_BLK2repl_17

Density



Size_DbIN_descend_se_A4-LL-n(4)_BLK2repl_1

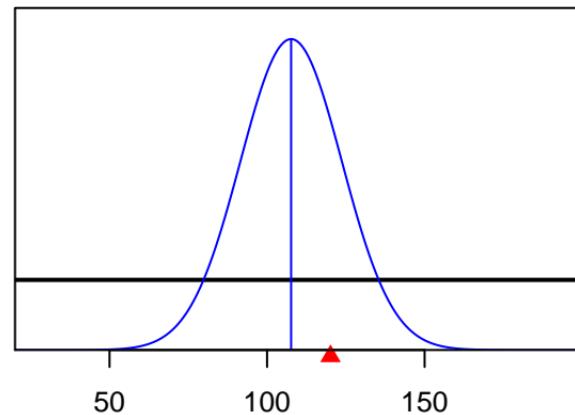
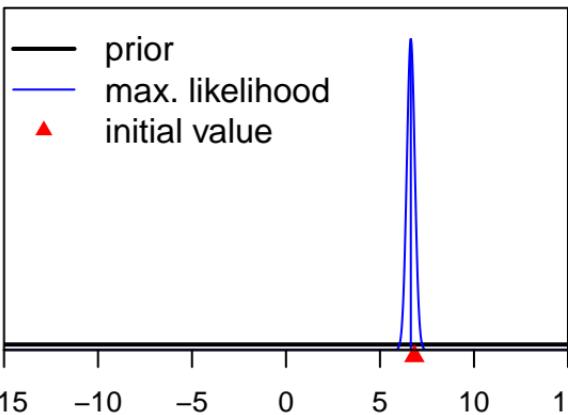
Size_DbIN_top_logit_A5-LL-n(5)_BLK2repl_17



Parameter value

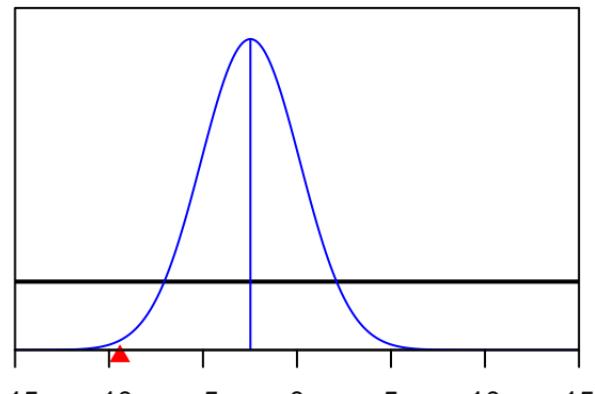
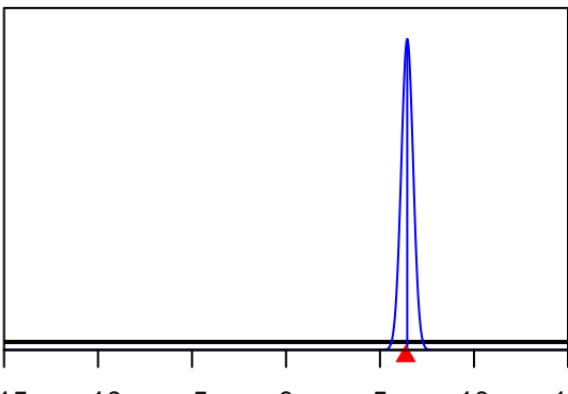
Size_DbIN_ascend_se_A5-LL-n(5)_BLK2repl_1

Size_DbIN_peak_A6-LL-n(6)_BLK2repl_17



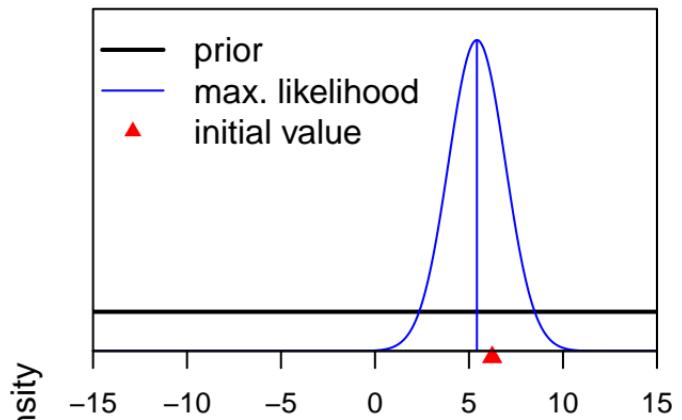
Size_DbIN_descend_se_A5-LL-n(5)_BLK2repl_1

Size_DbIN_top_logit_A6-LL-n(6)_BLK2repl_17



Parameter value

size_DbIN_ascend_se_A6-LL-n(6)_BLK2rep1_1



size_DbIN_descend_se_A6-LL-n(6)_BLK2rep1_1

