

EPO yellowfin tuna
Benchmark assessment 2020
model: TBM.DS, $h = 1$

Plots created using the 'r4ss' package in R

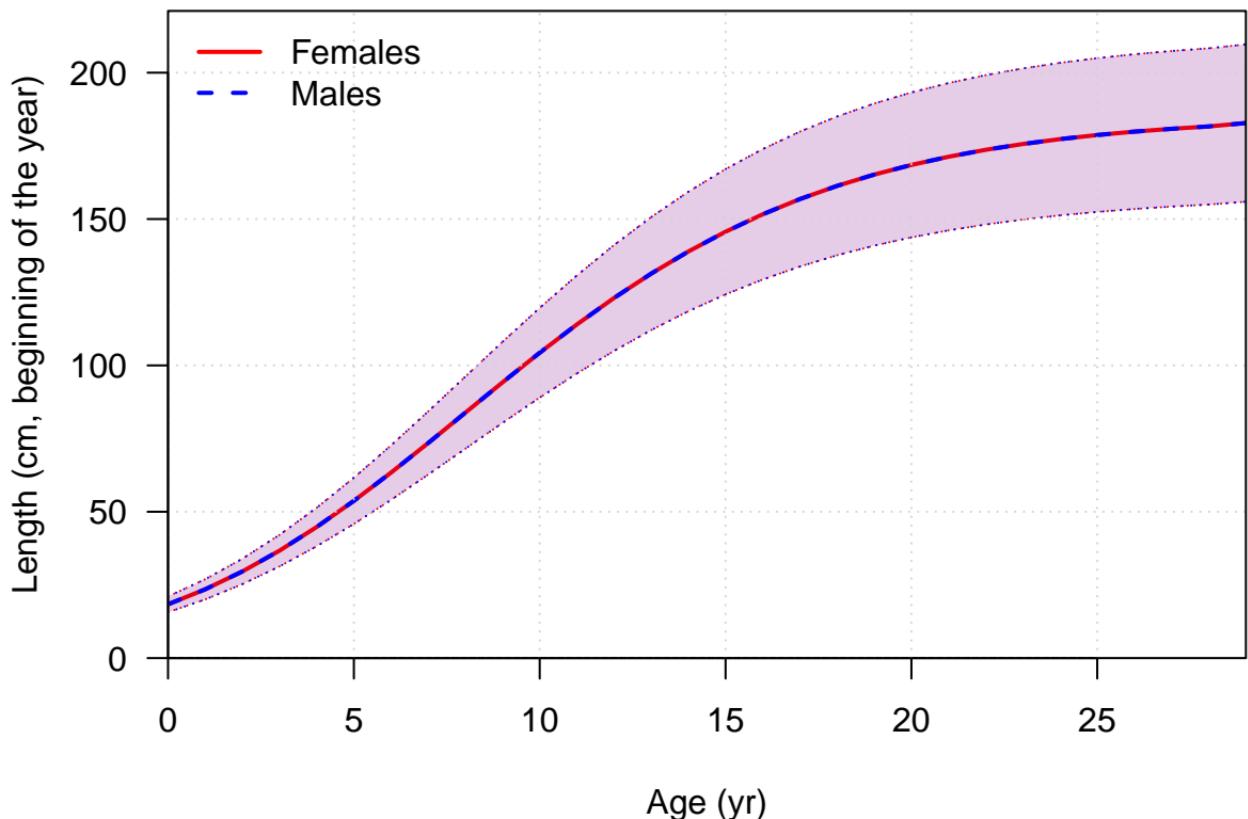
Stock Synthesis version: 3.30.15.0

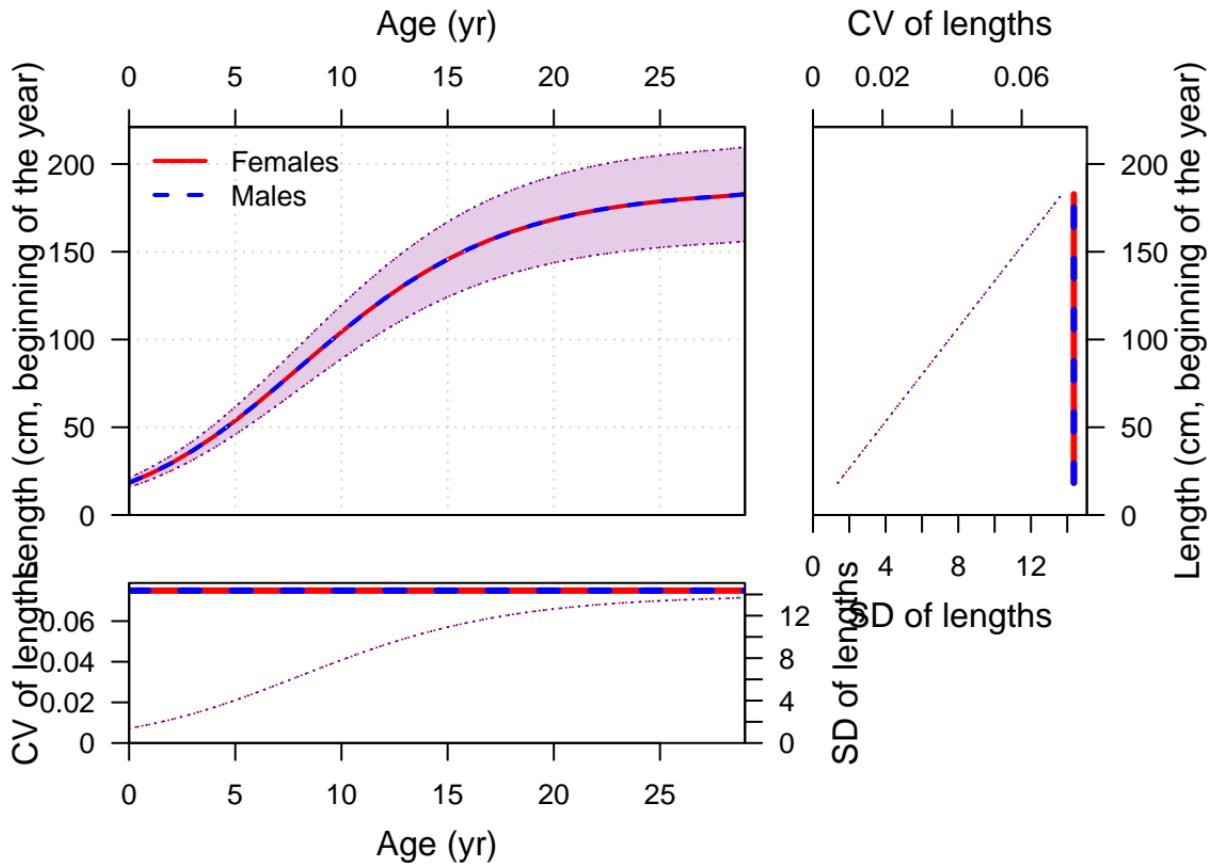
StartTime: Mon Jul 20 19:24:22 2020

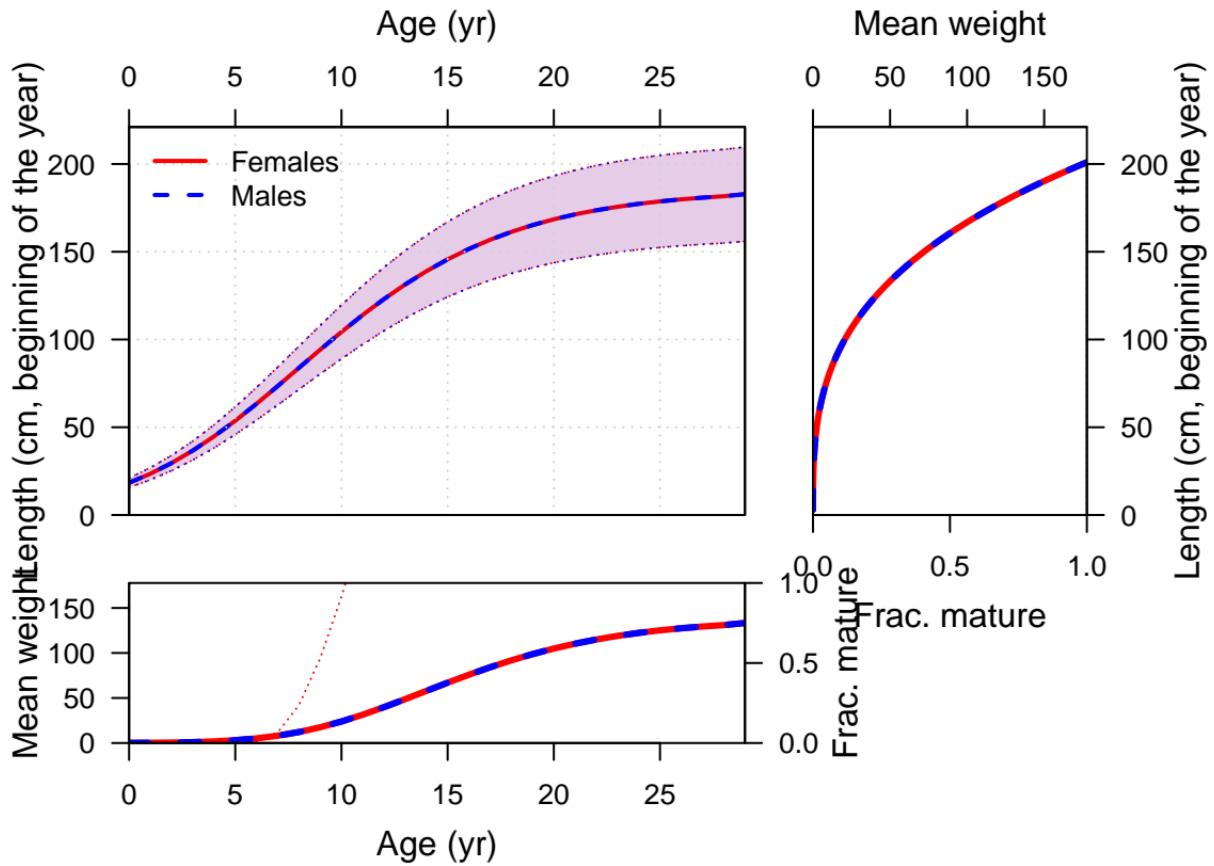
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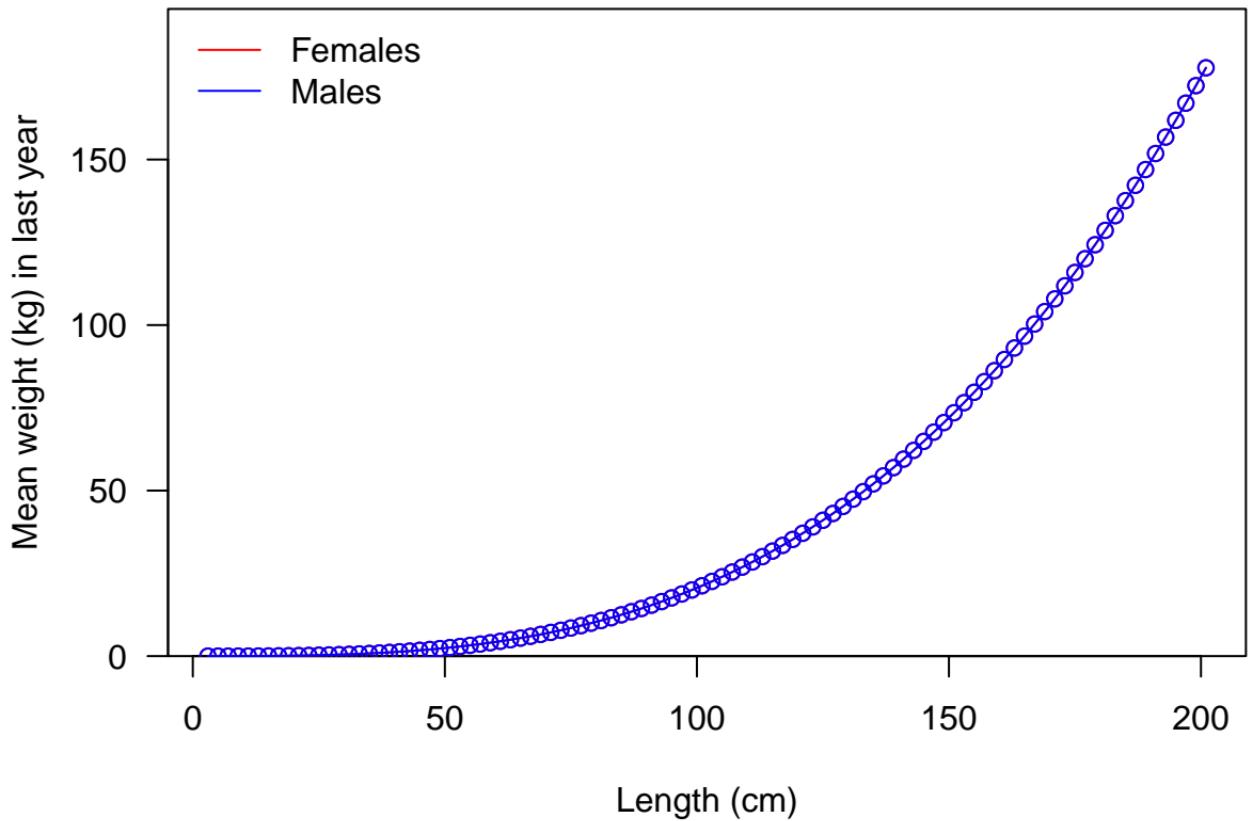
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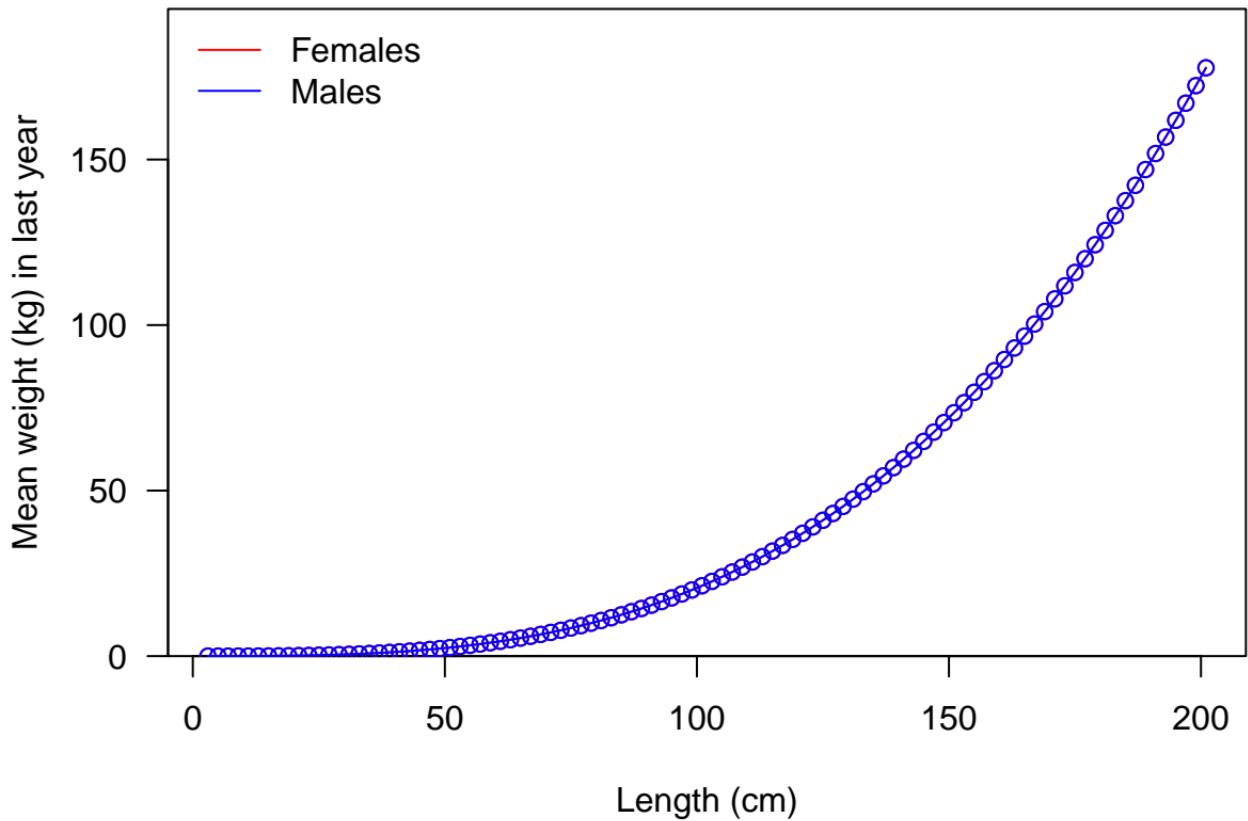
Ending year expected growth (with 95% intervals)

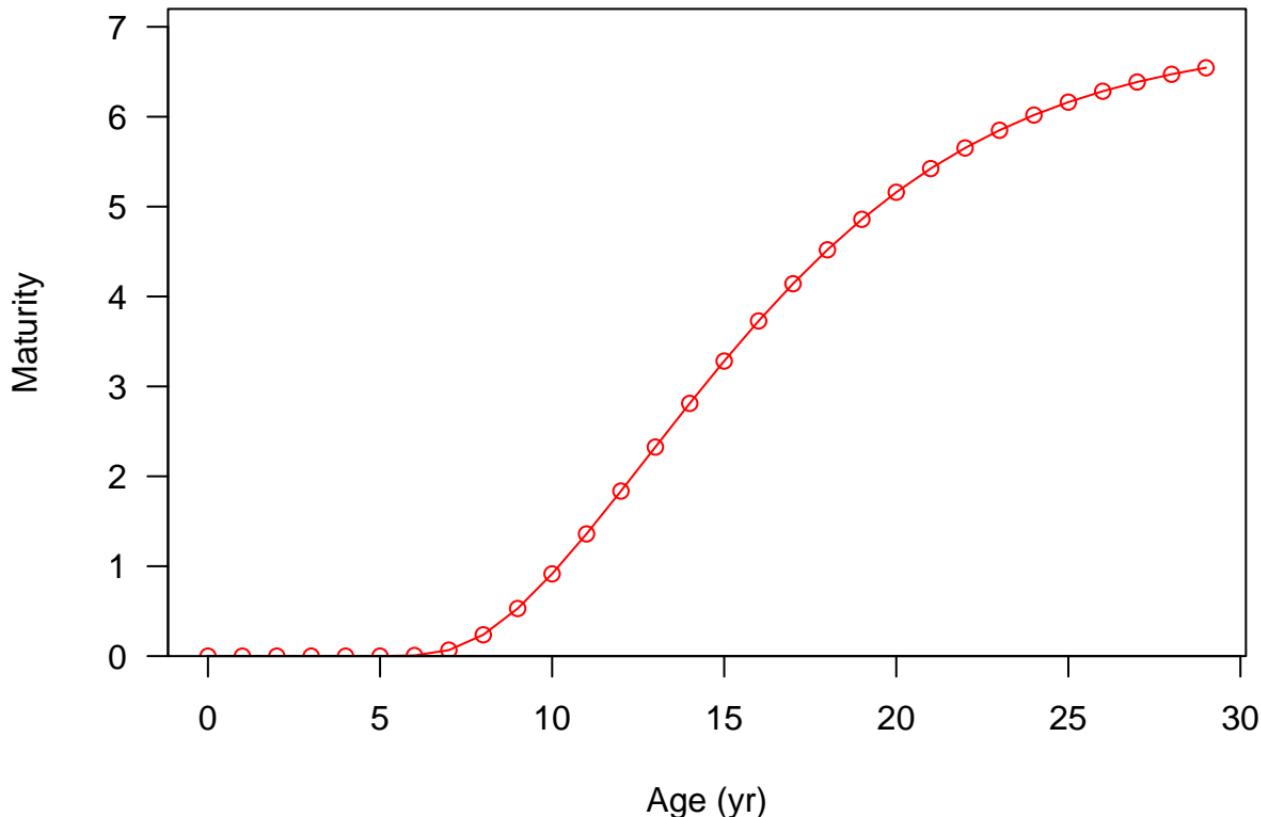


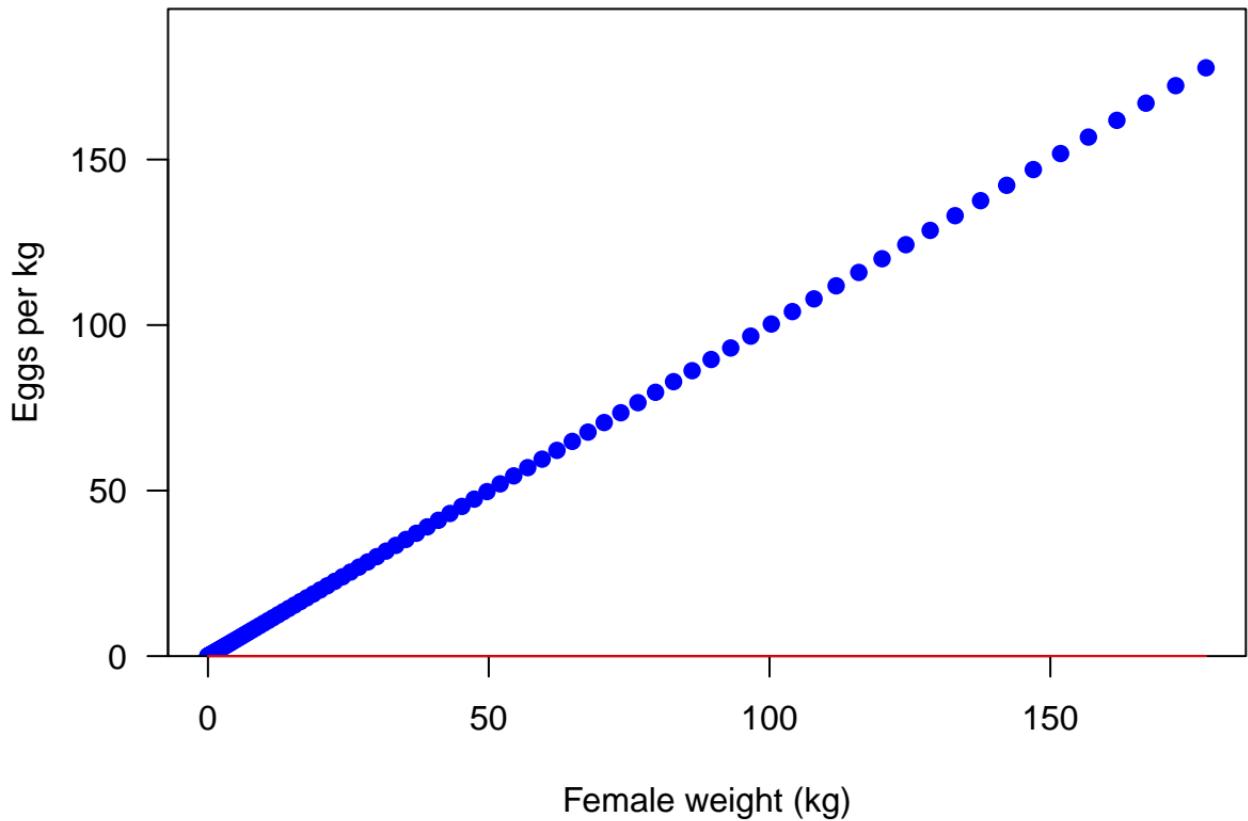


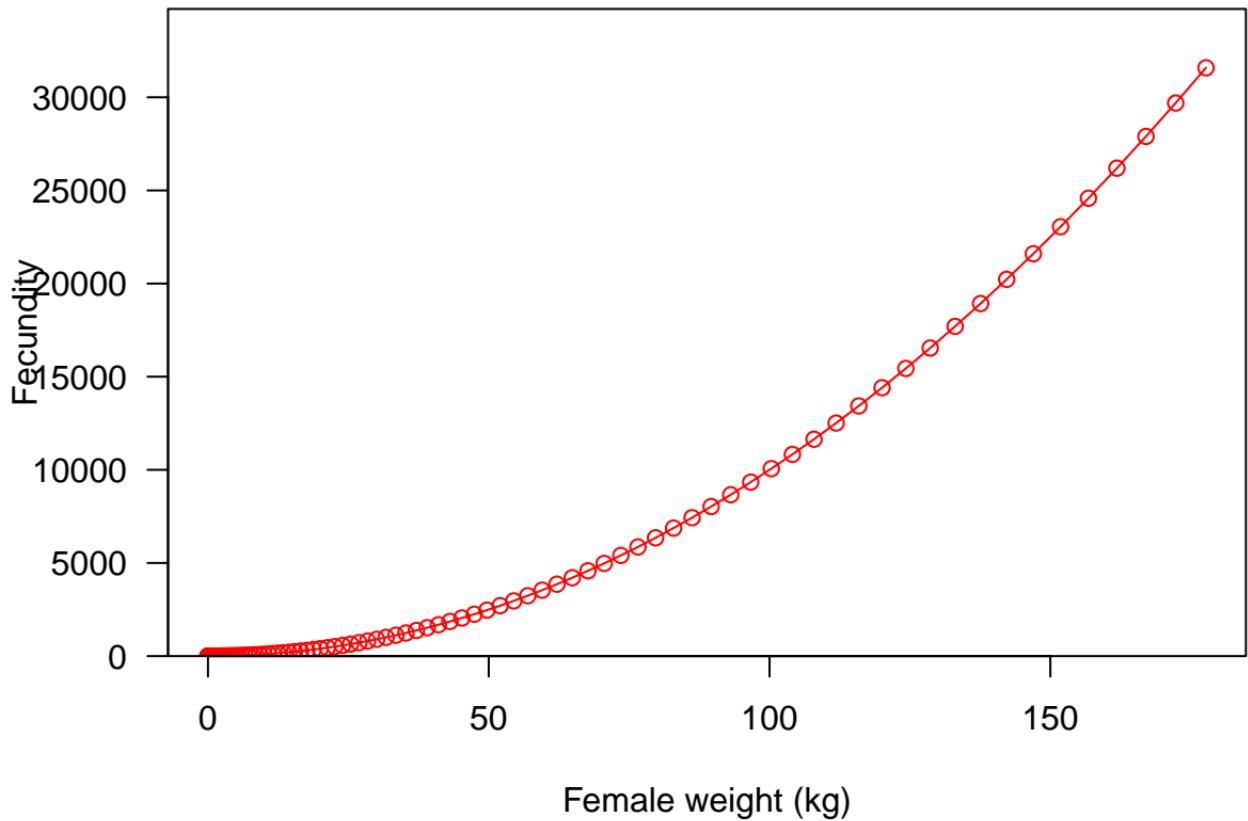


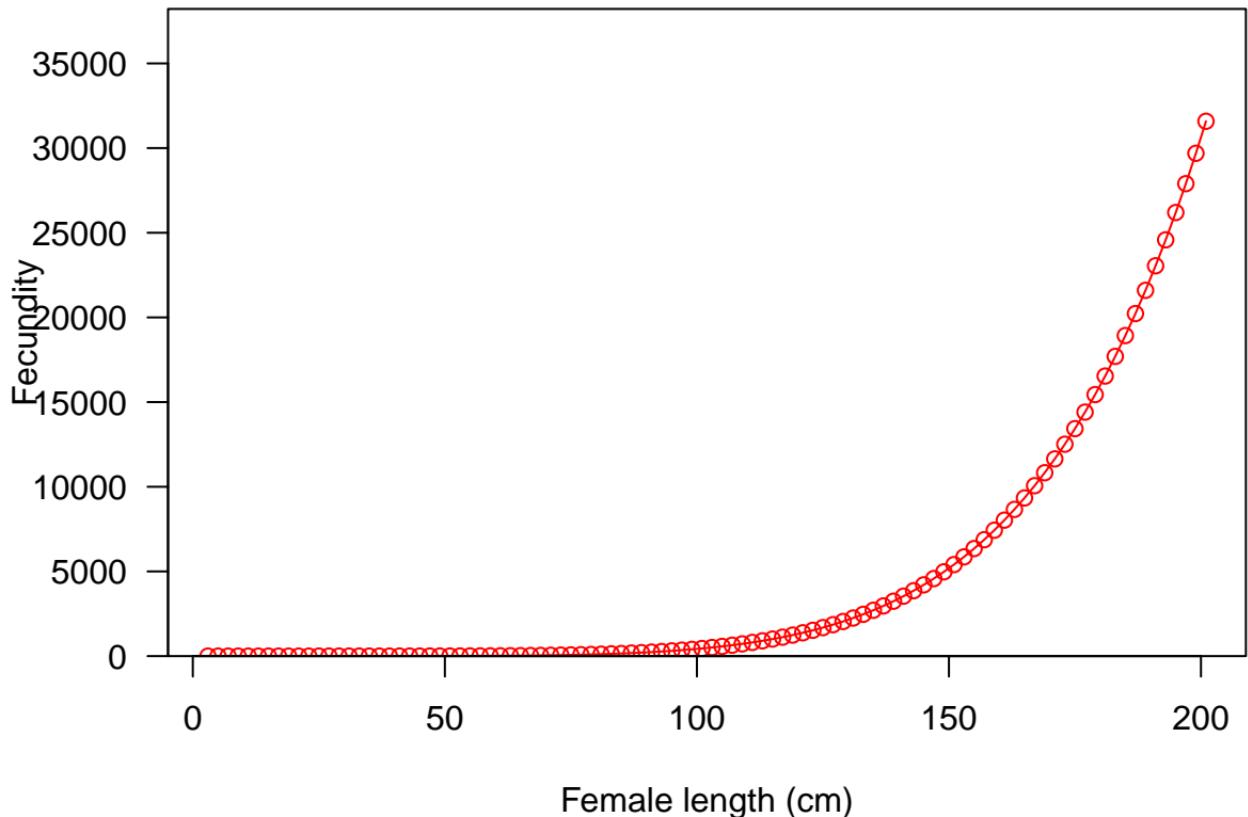


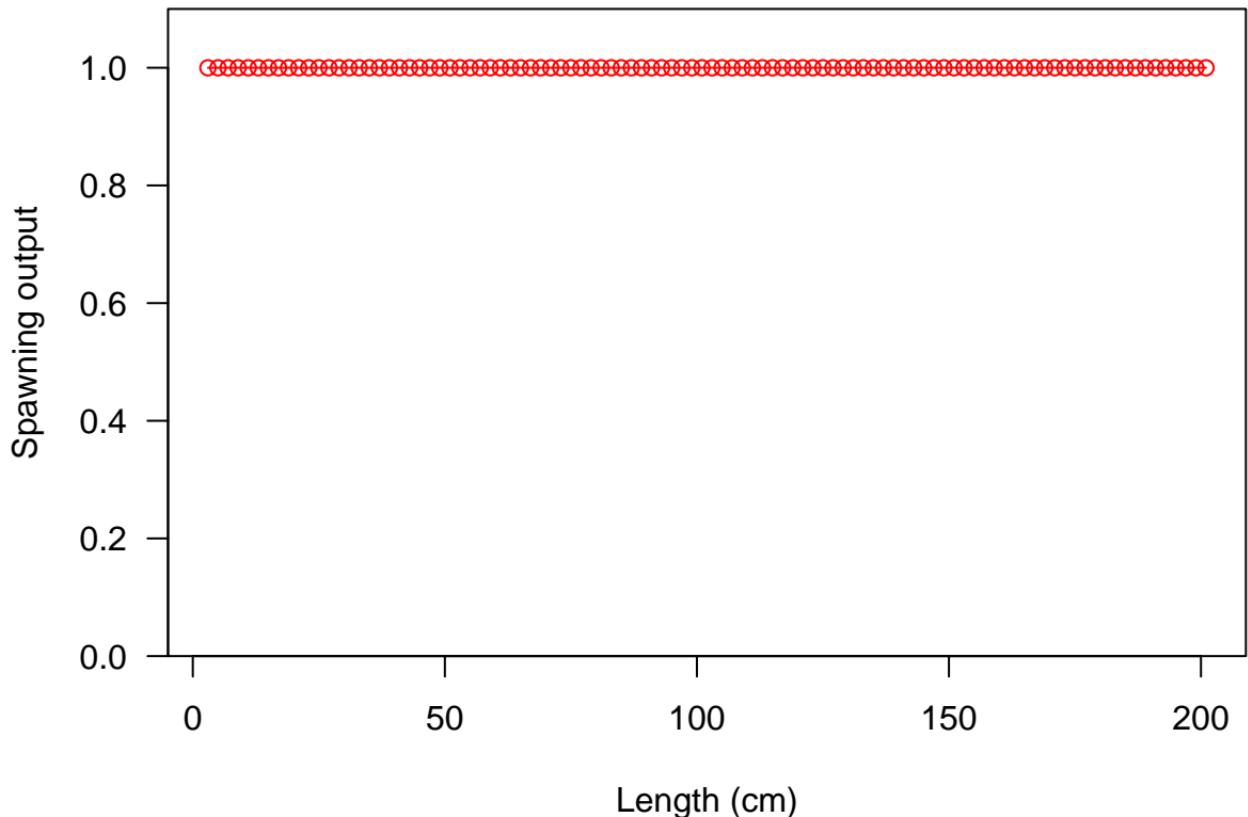


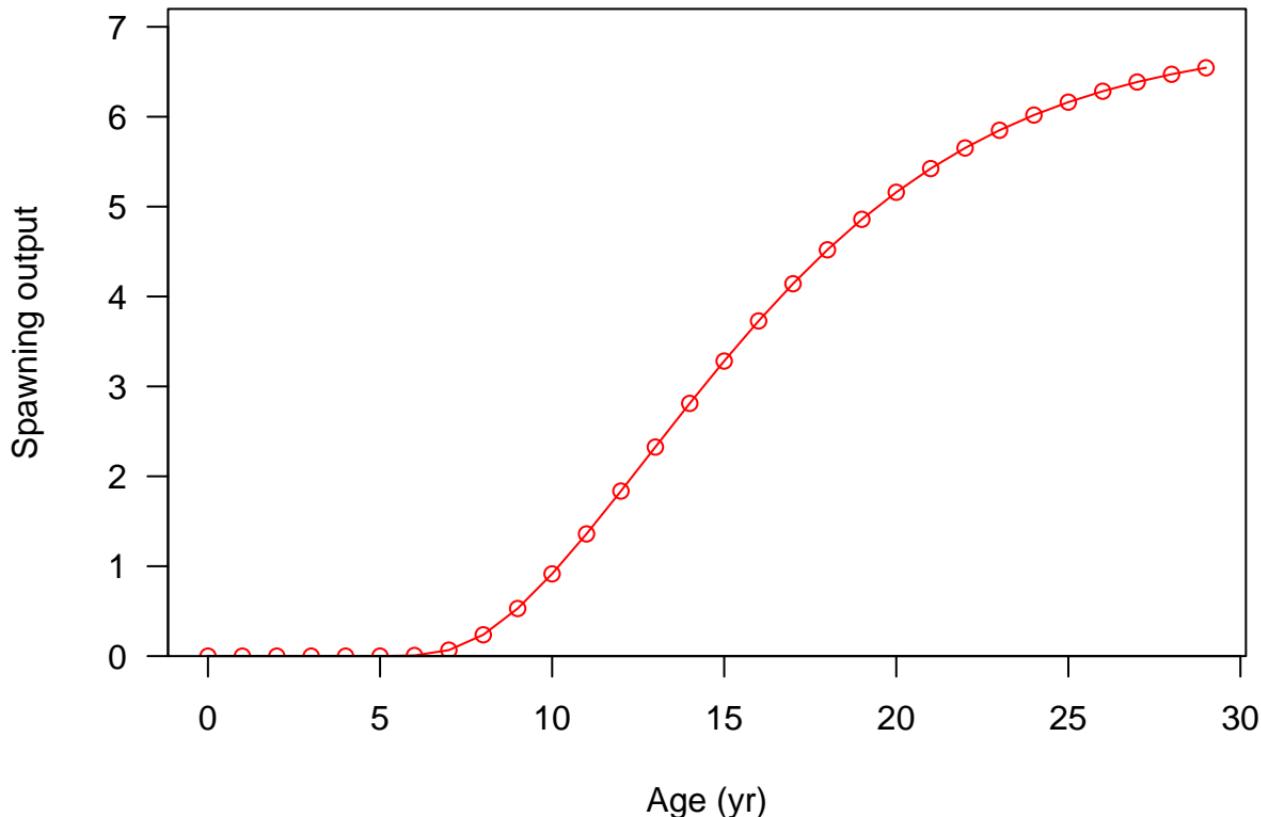




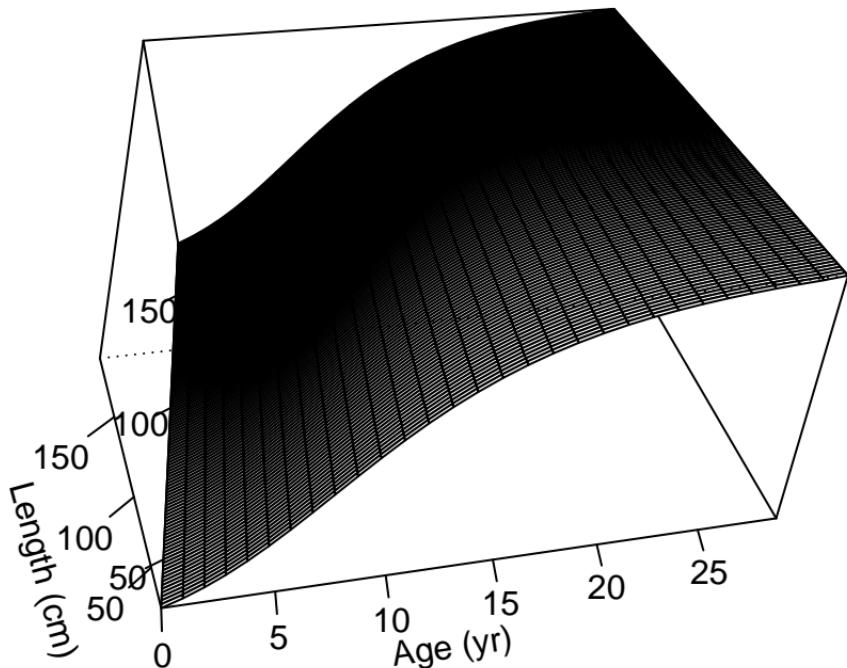




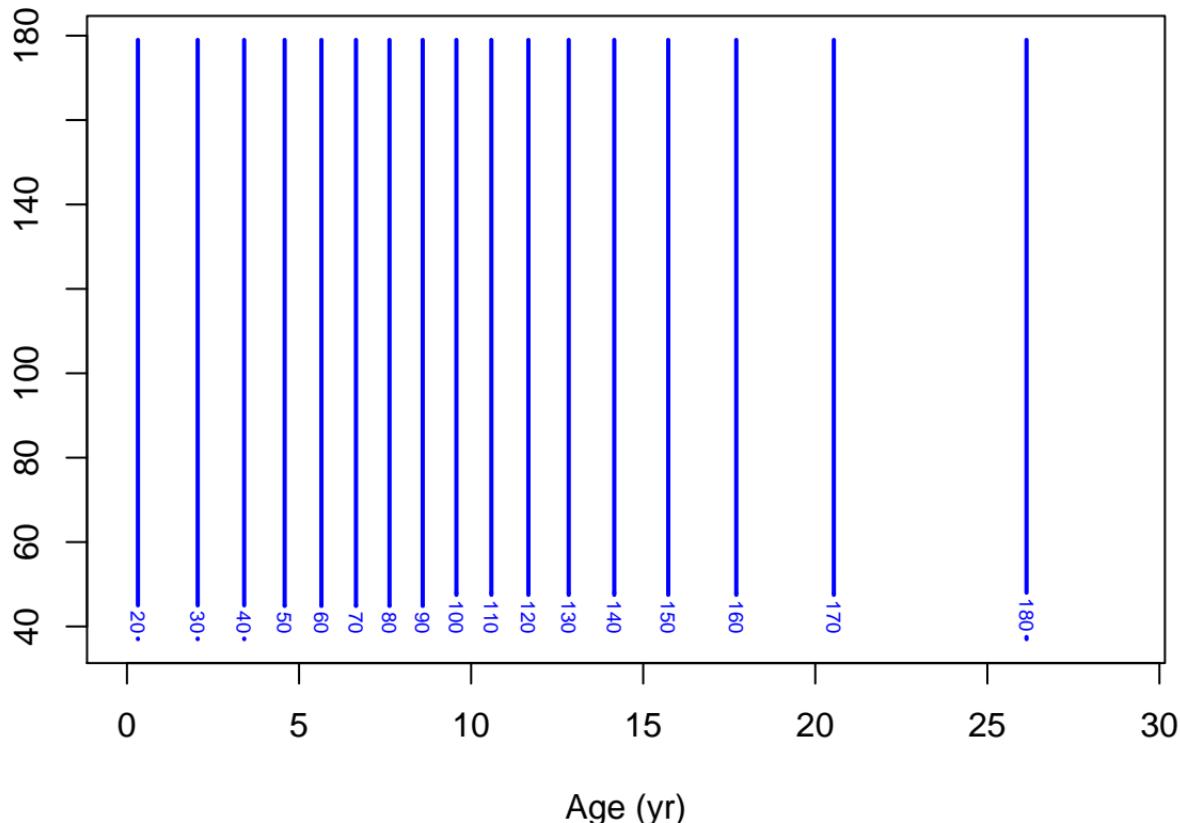




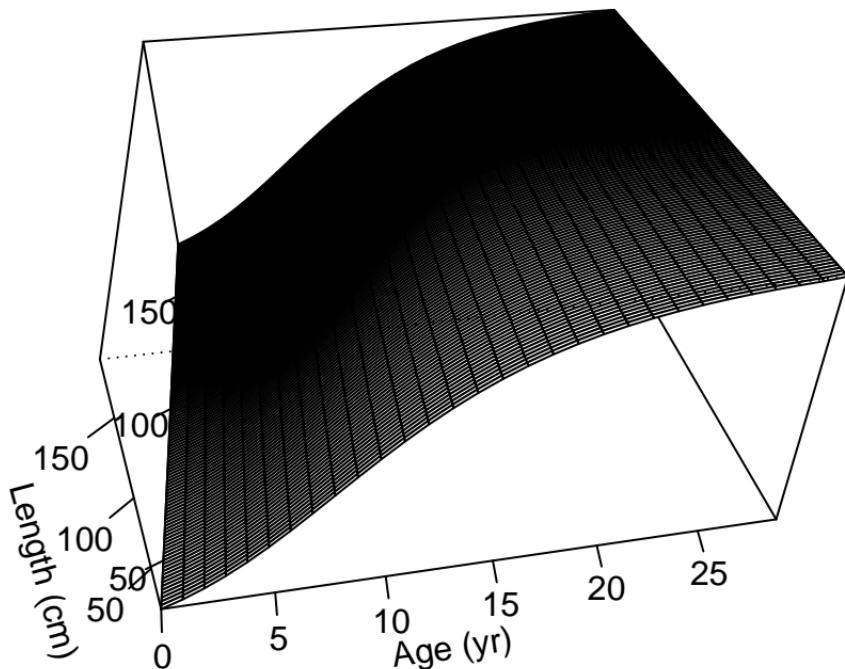
Female time-varying growth



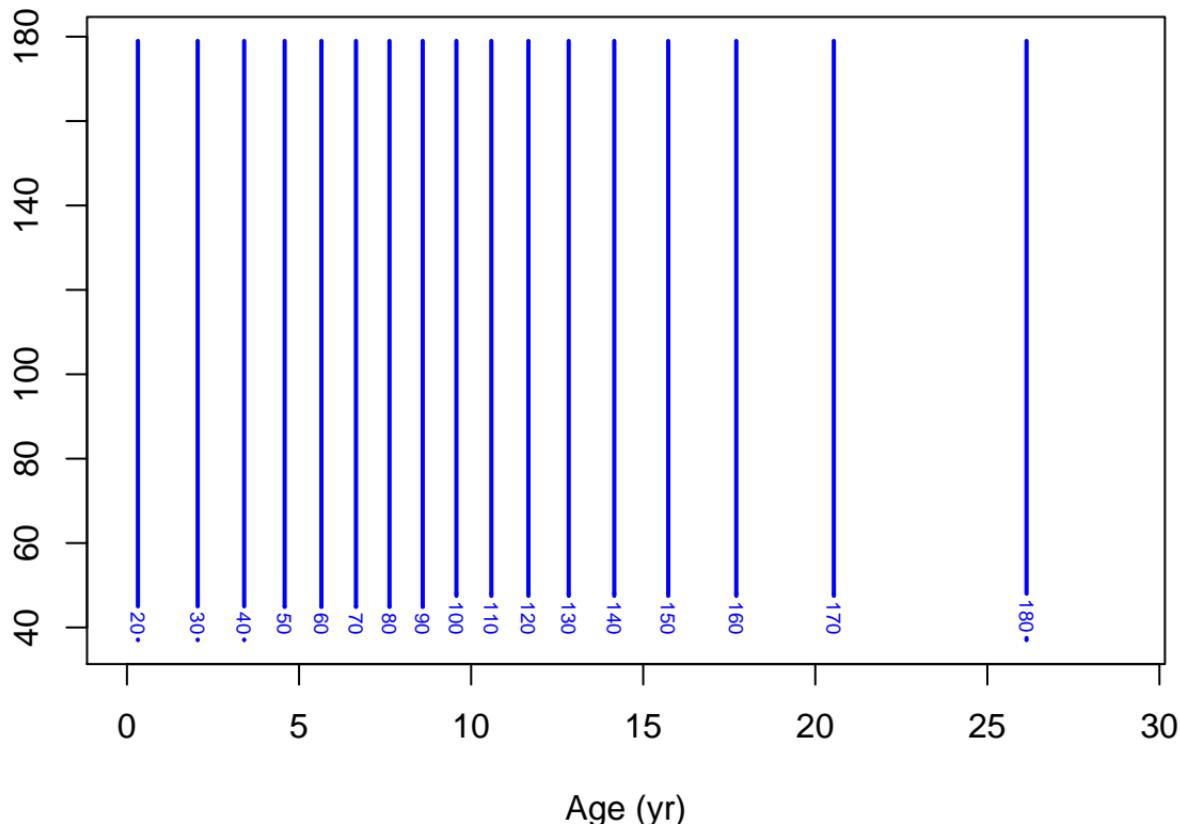
Female time-varying growth



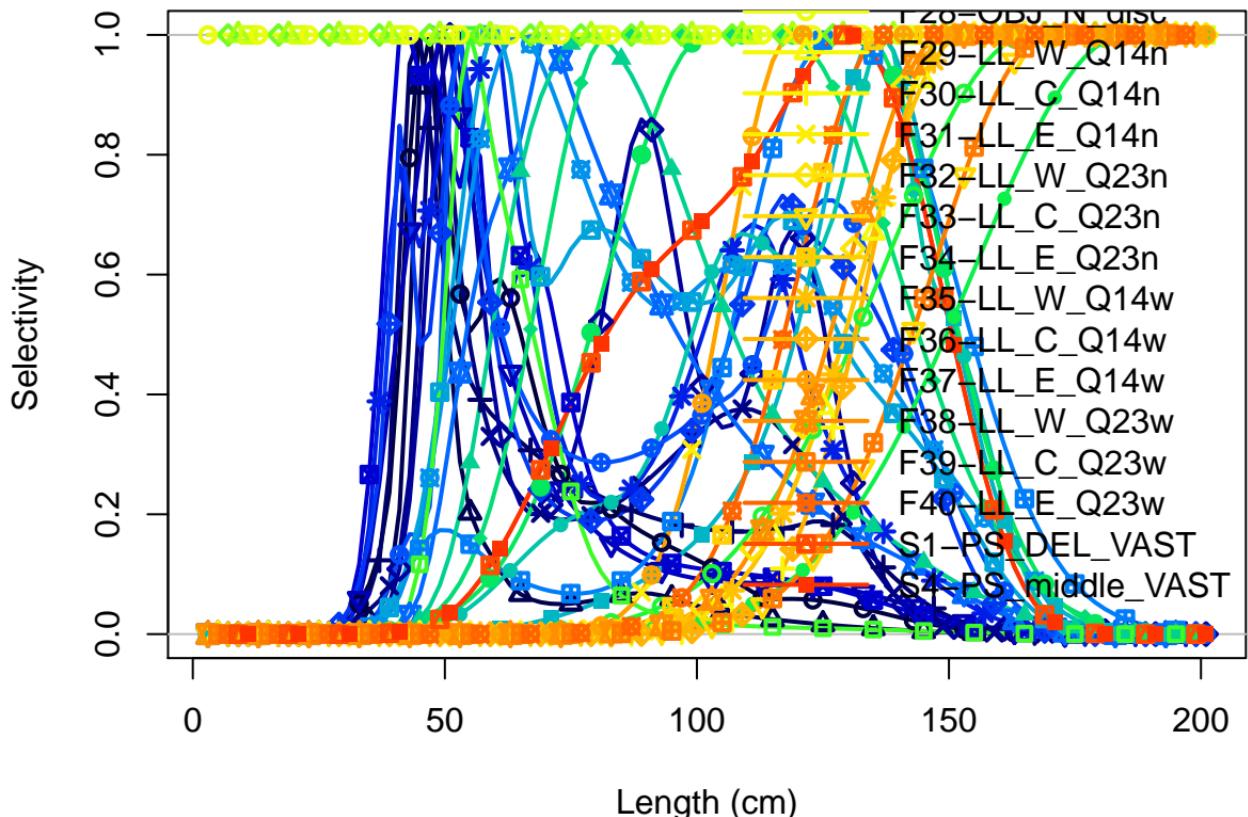
Male time-varying growth



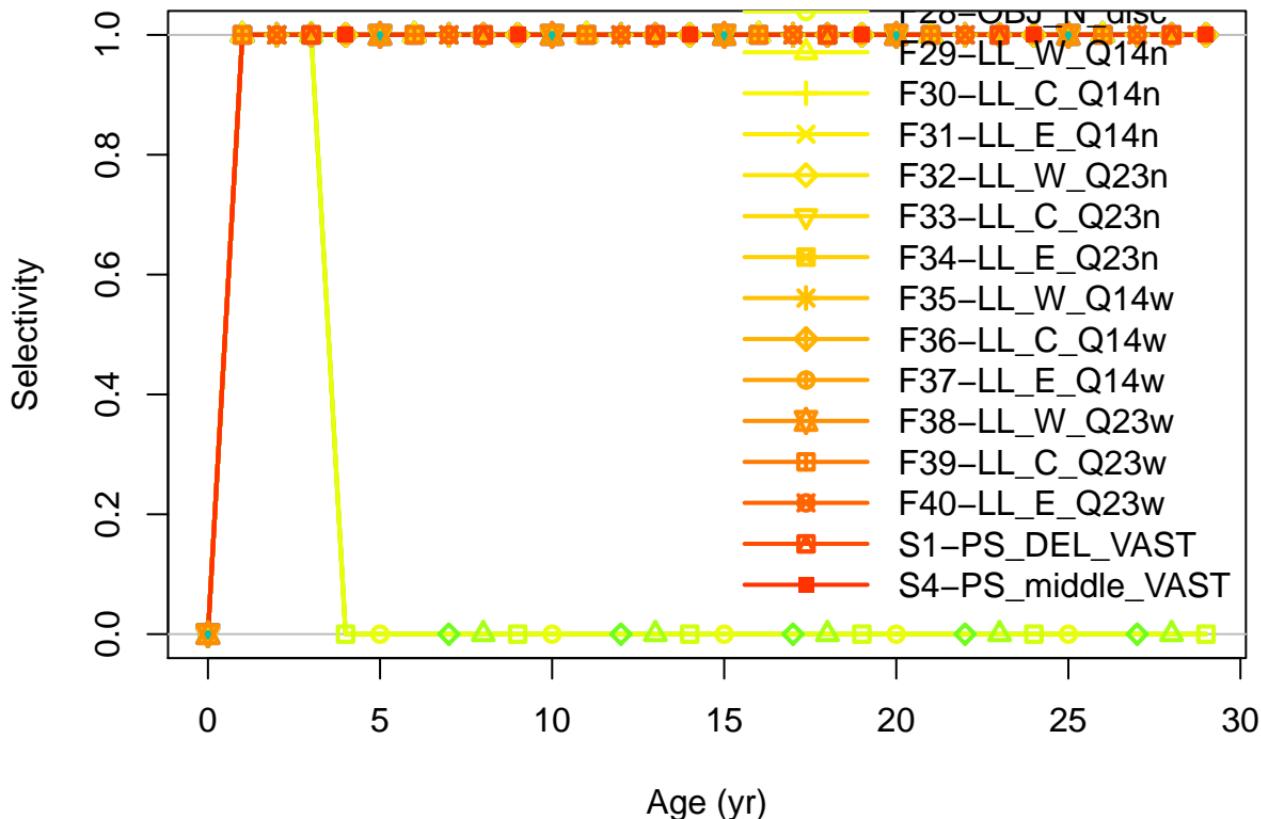
Male time-varying growth



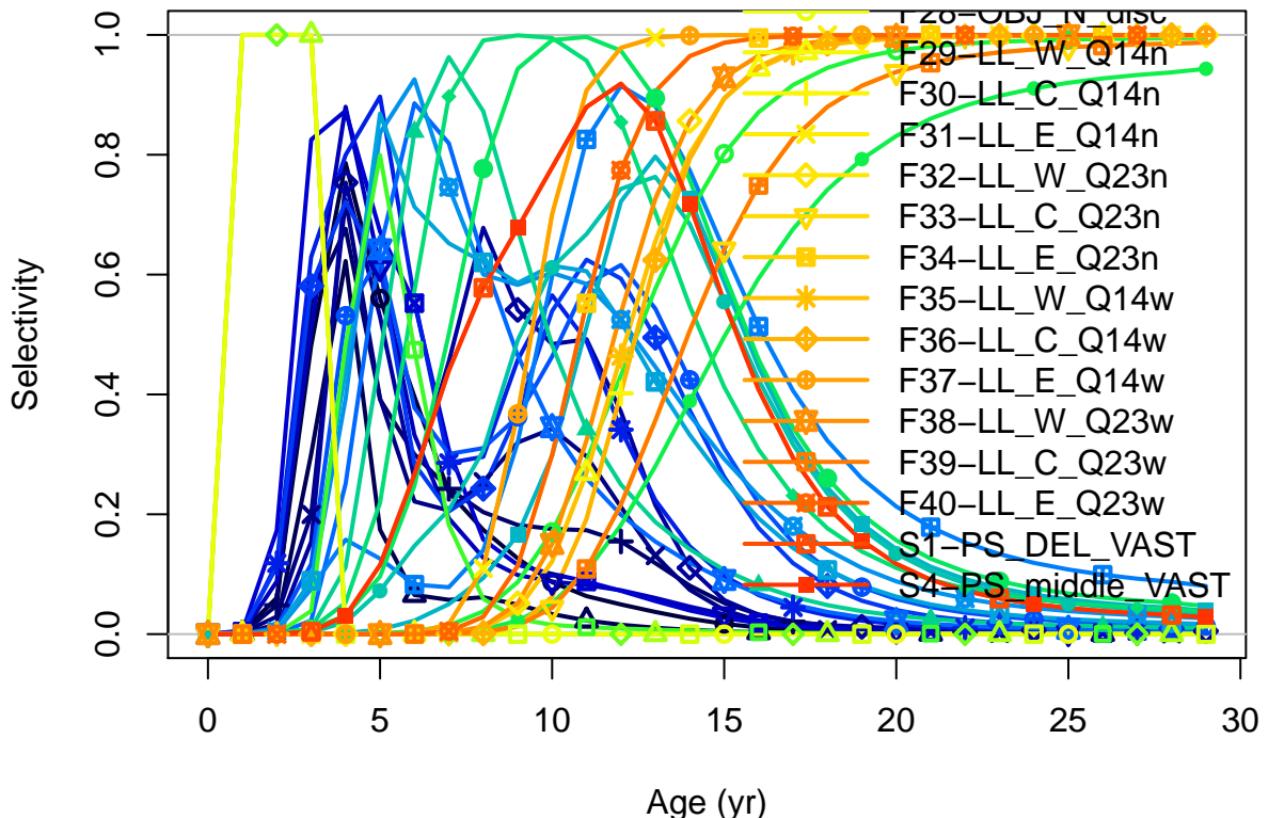
Length-based selectivity by fleet in 180



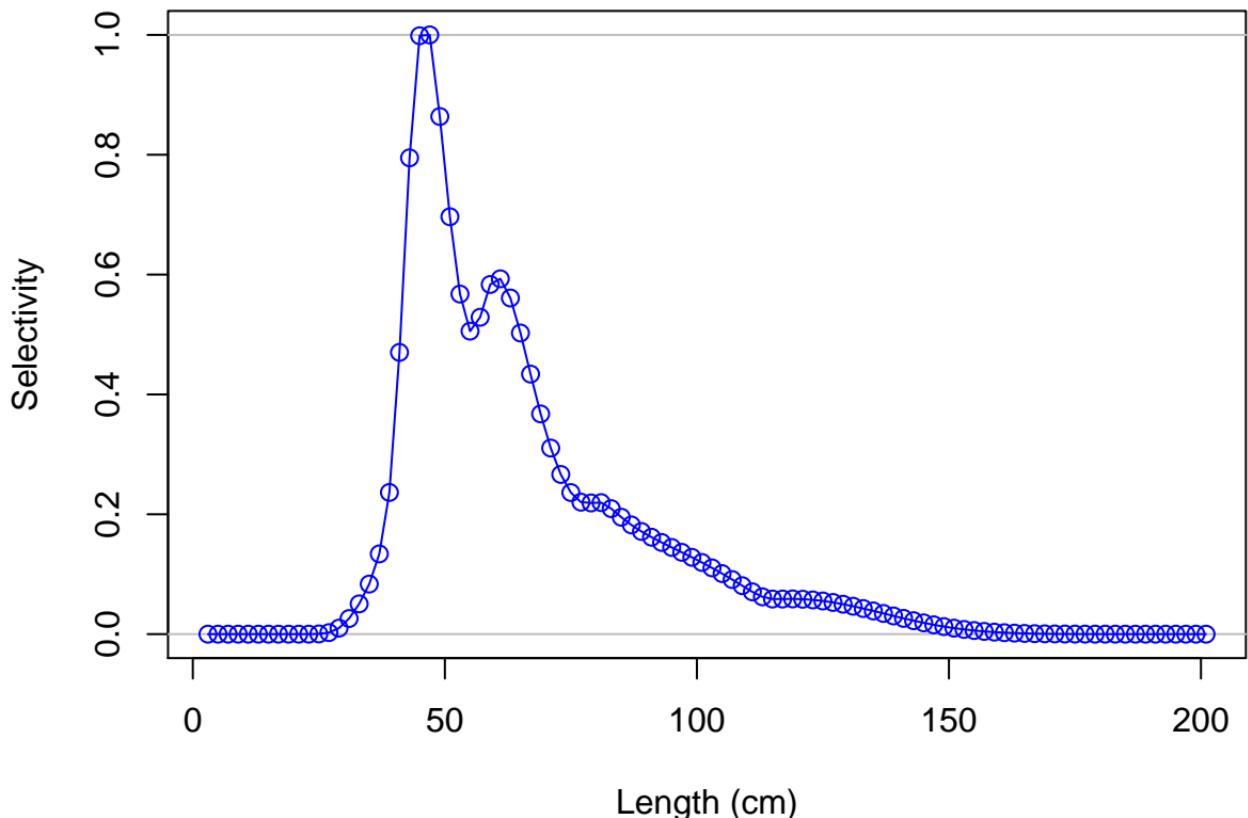
Age-based selectivity by fleet in 180



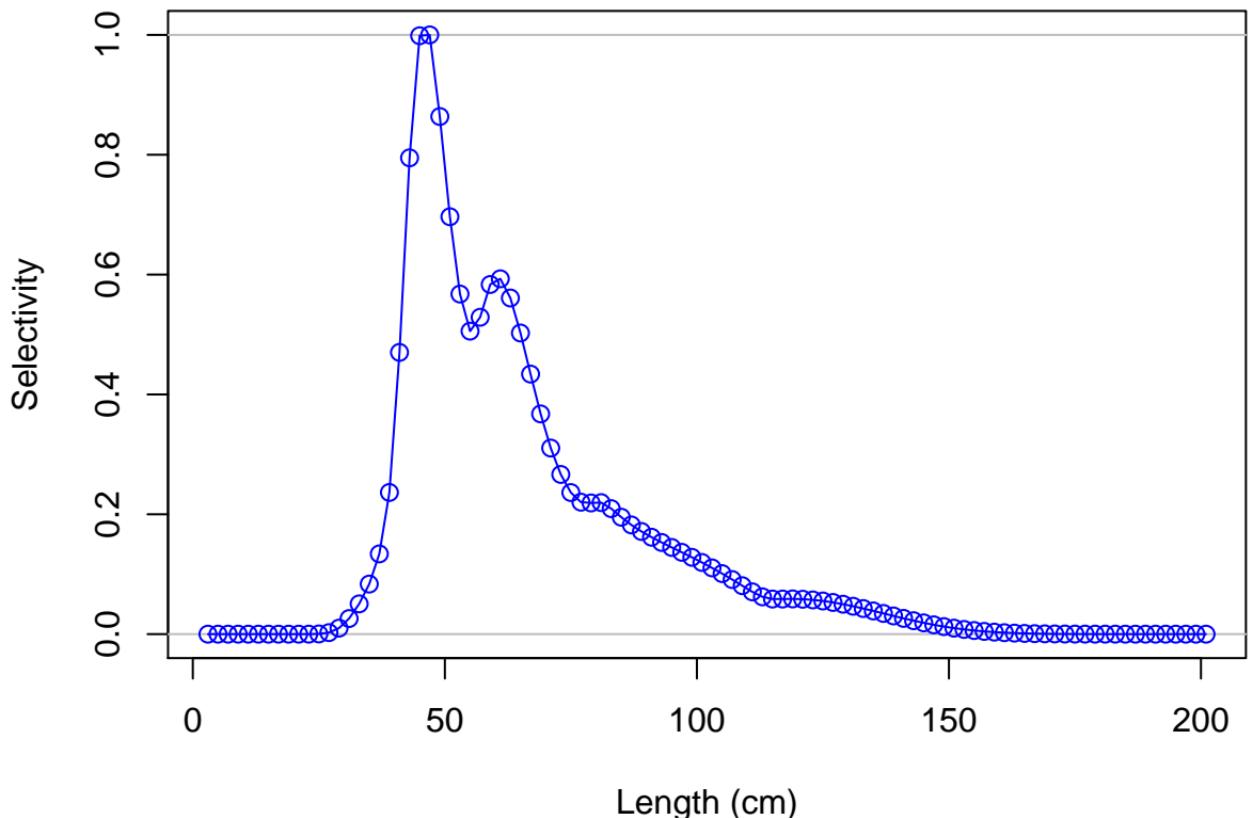
Derived age-based from length-based selectivity by fleet in 180



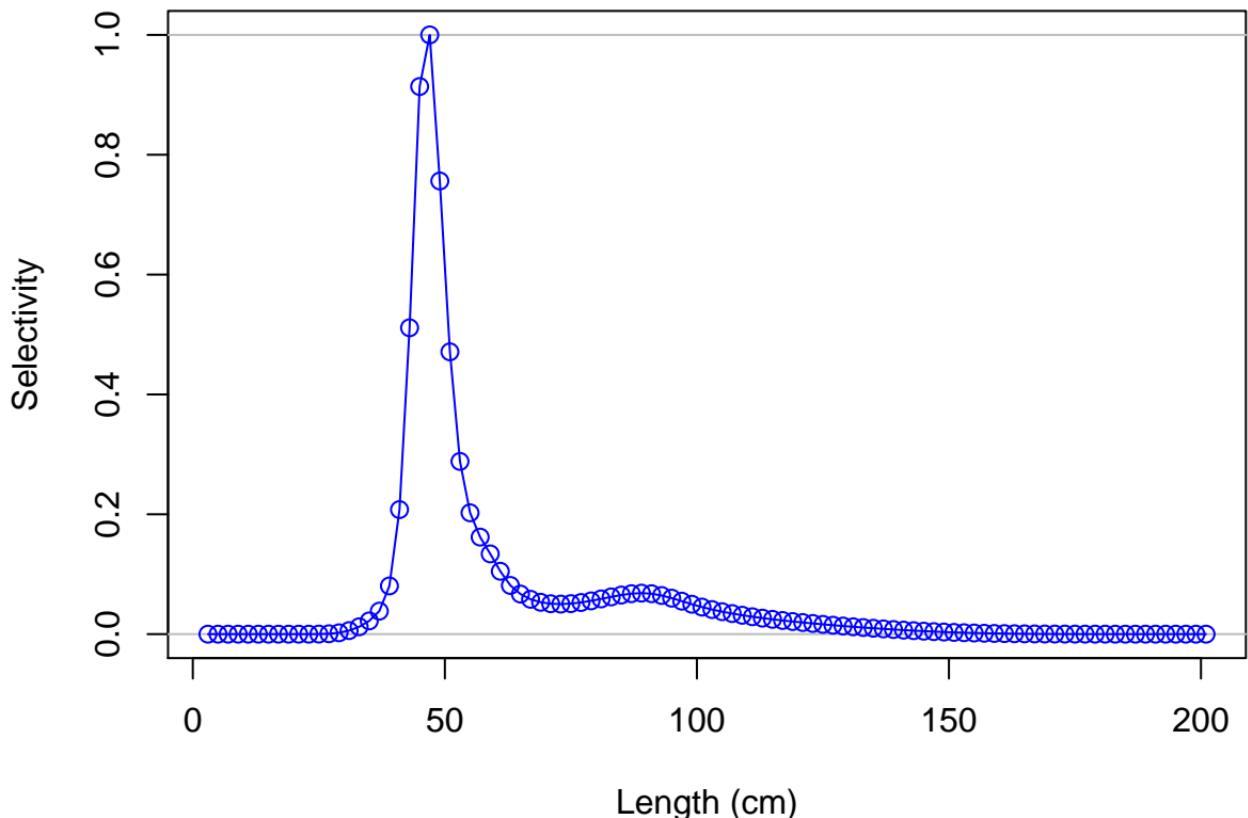
Female ending year selectivity for F1–OBJ_N–Q14



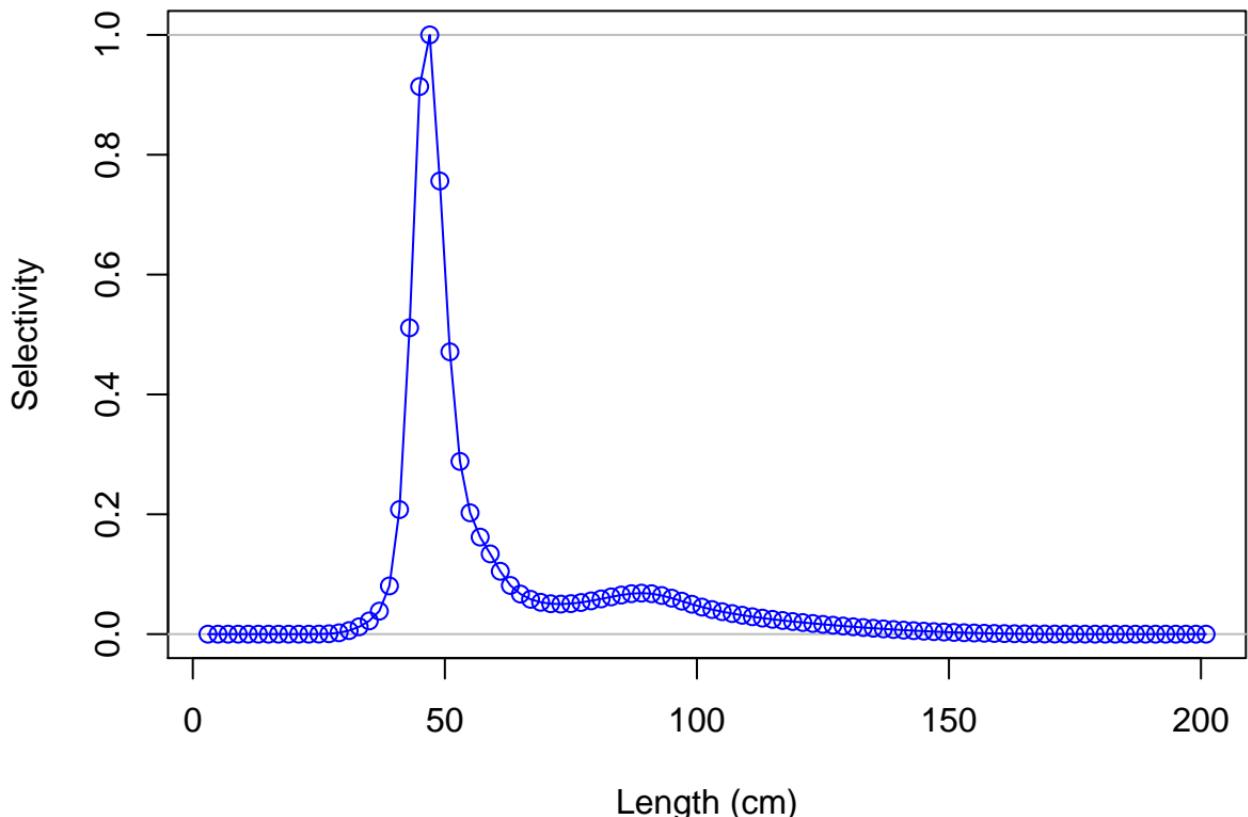
Male ending year selectivity for F1–OBJ_N–Q14



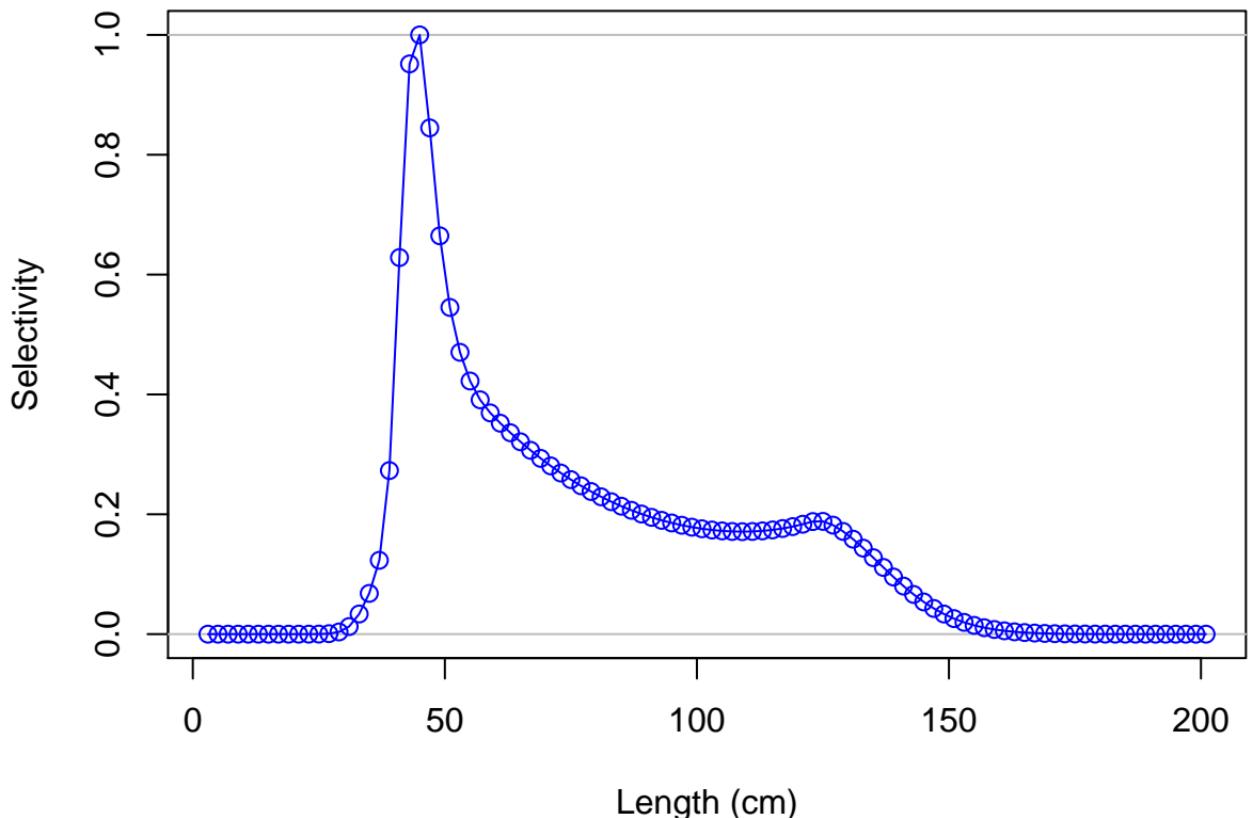
Female ending year selectivity for F2-OBJ_Nc_Q14



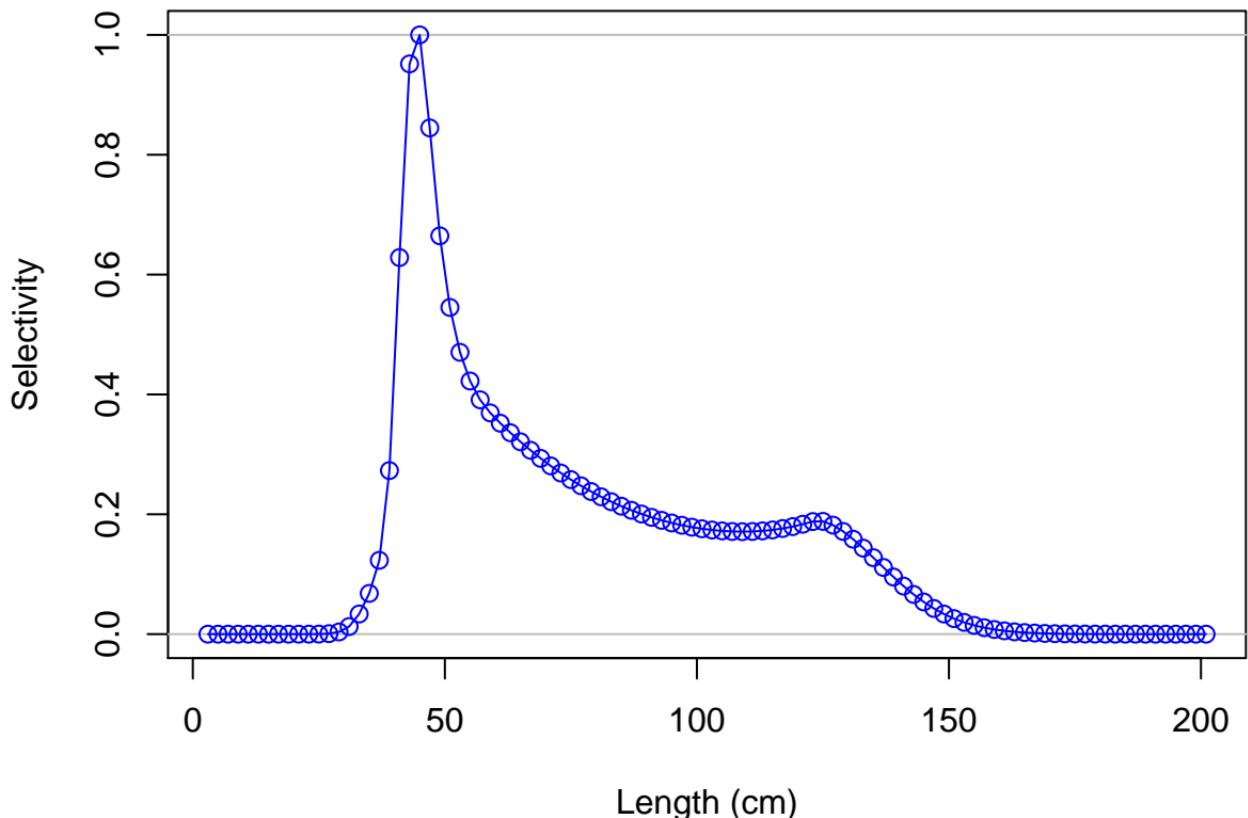
Male ending year selectivity for F2–OBJ_Nc_Q14



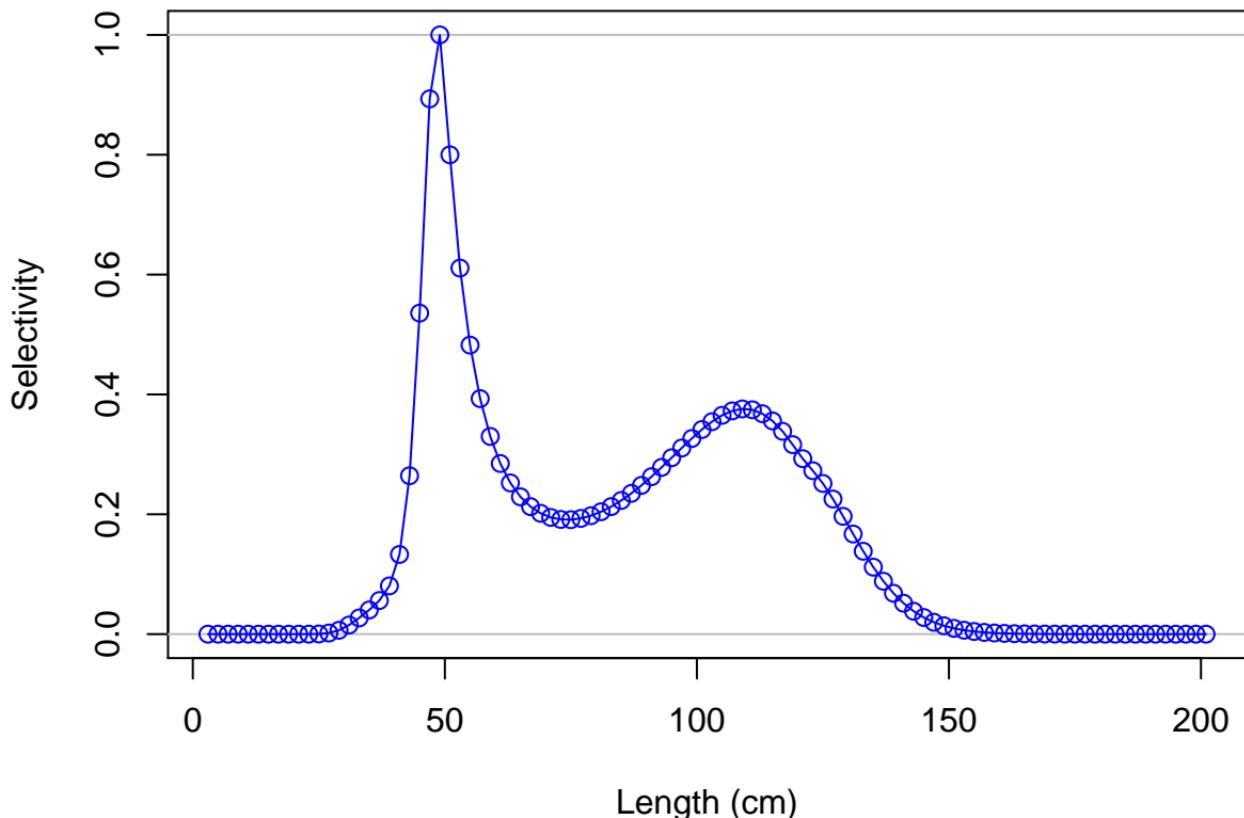
Female ending year selectivity for F3–OBJ_C_Q14



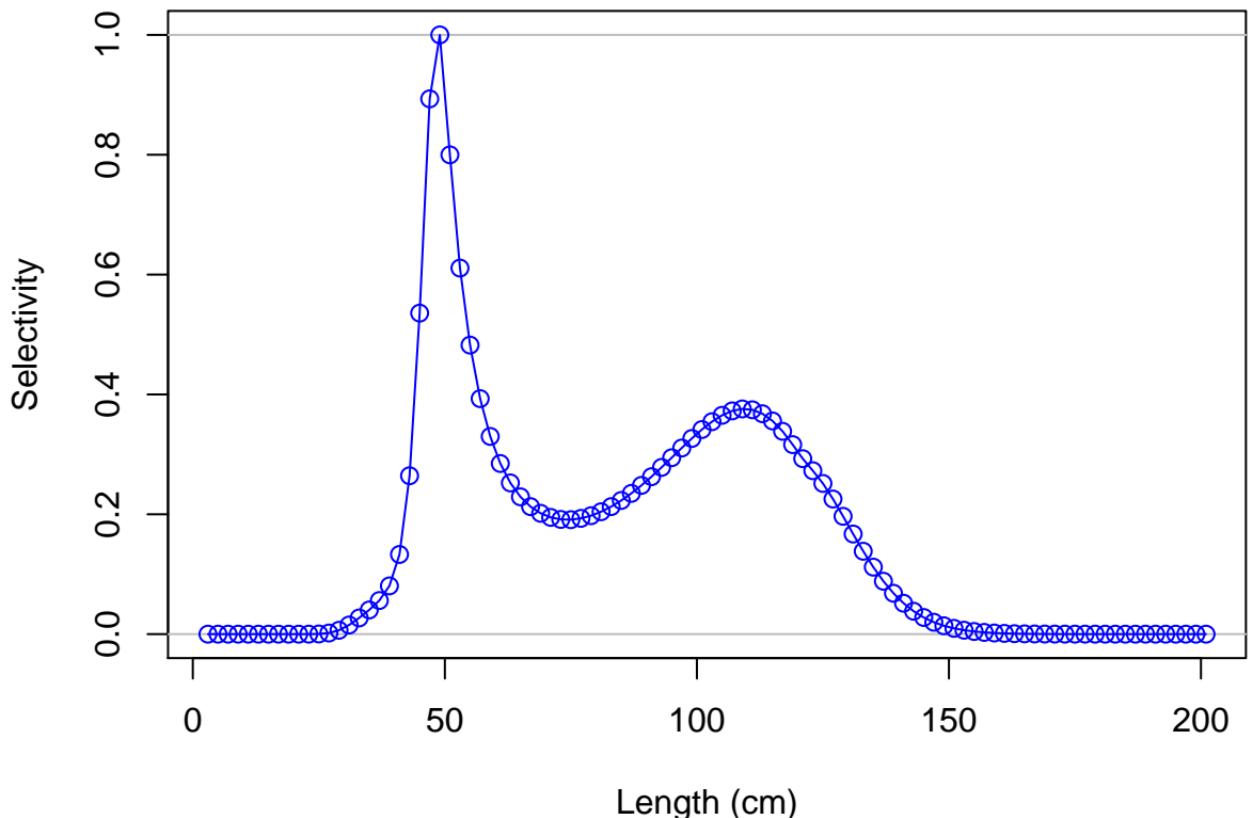
Male ending year selectivity for F3–OBJ_C_Q14



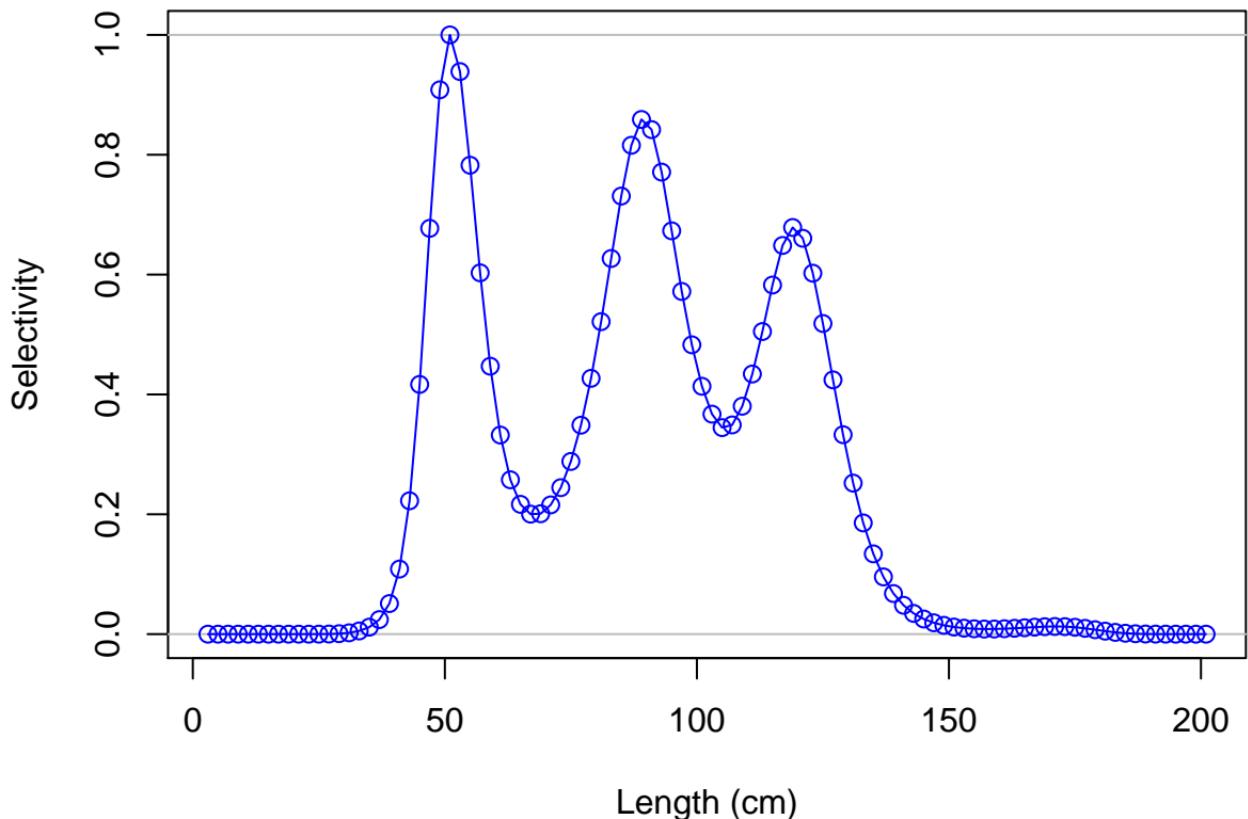
Female ending year selectivity for F4-OBJ_Cc_Q14



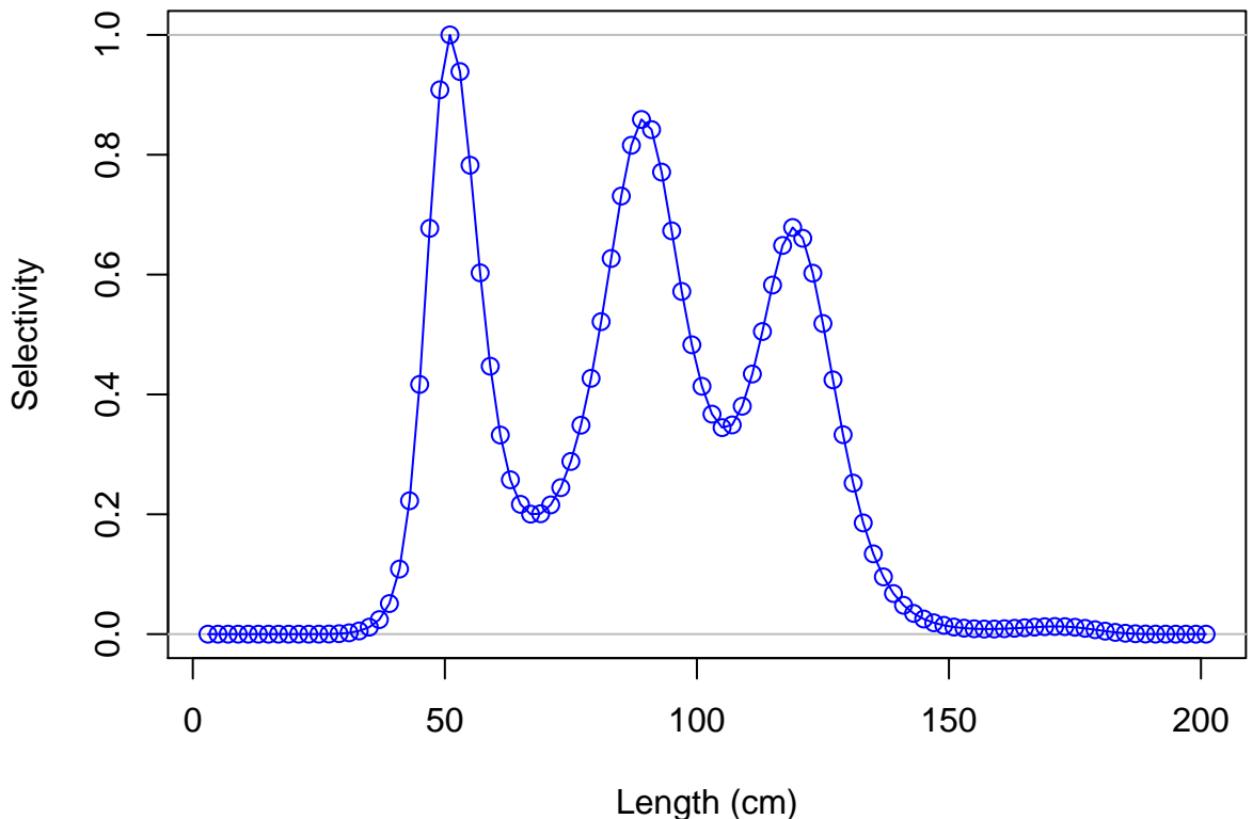
Male ending year selectivity for F4–OBJ_Cc_Q14



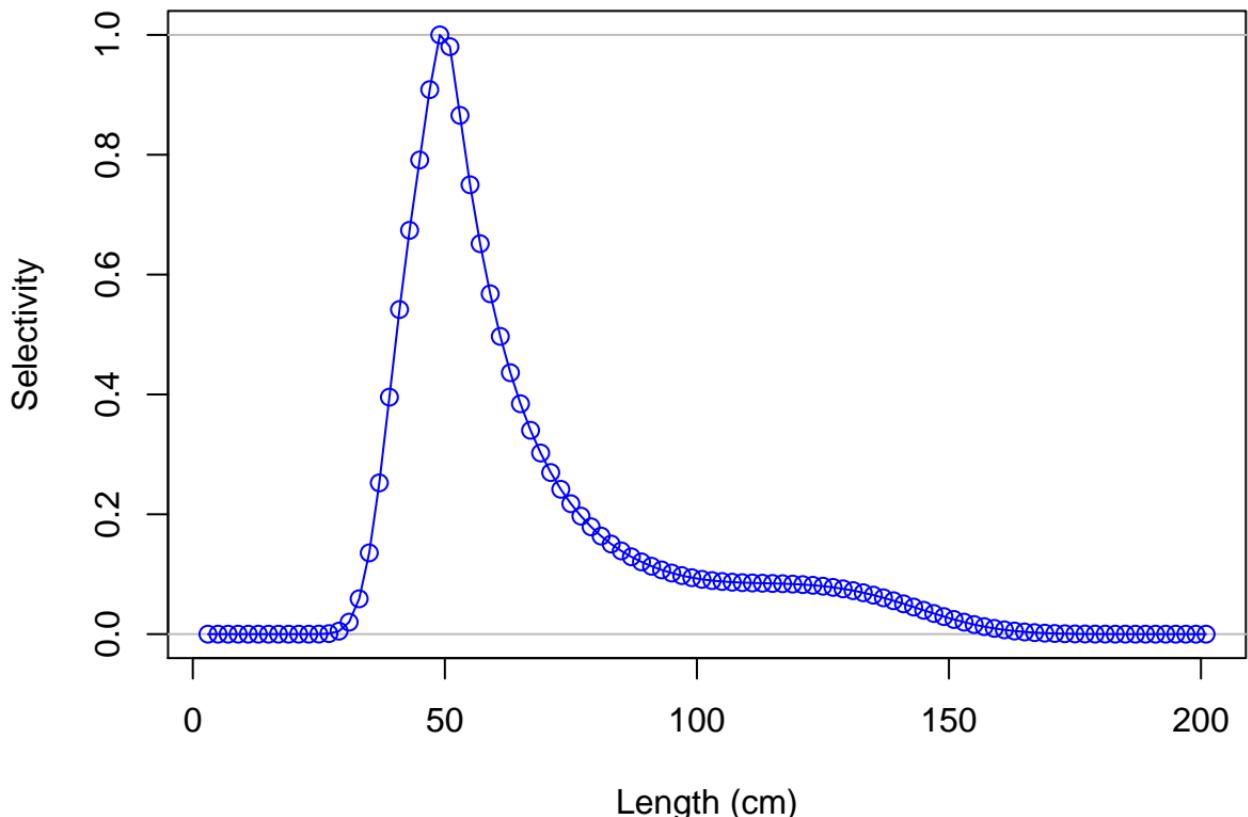
Female ending year selectivity for F5–OBJ_S_Q14



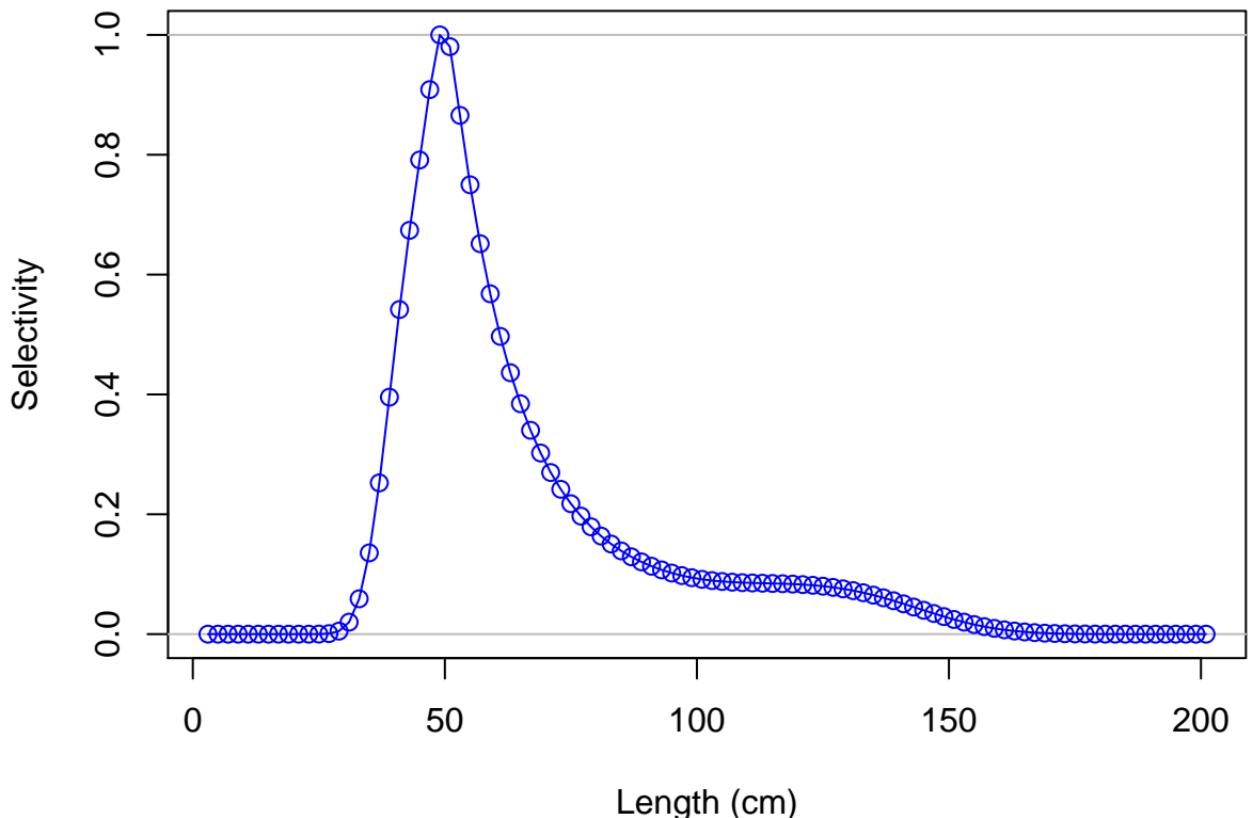
Male ending year selectivity for F5–OBJ_S_Q14



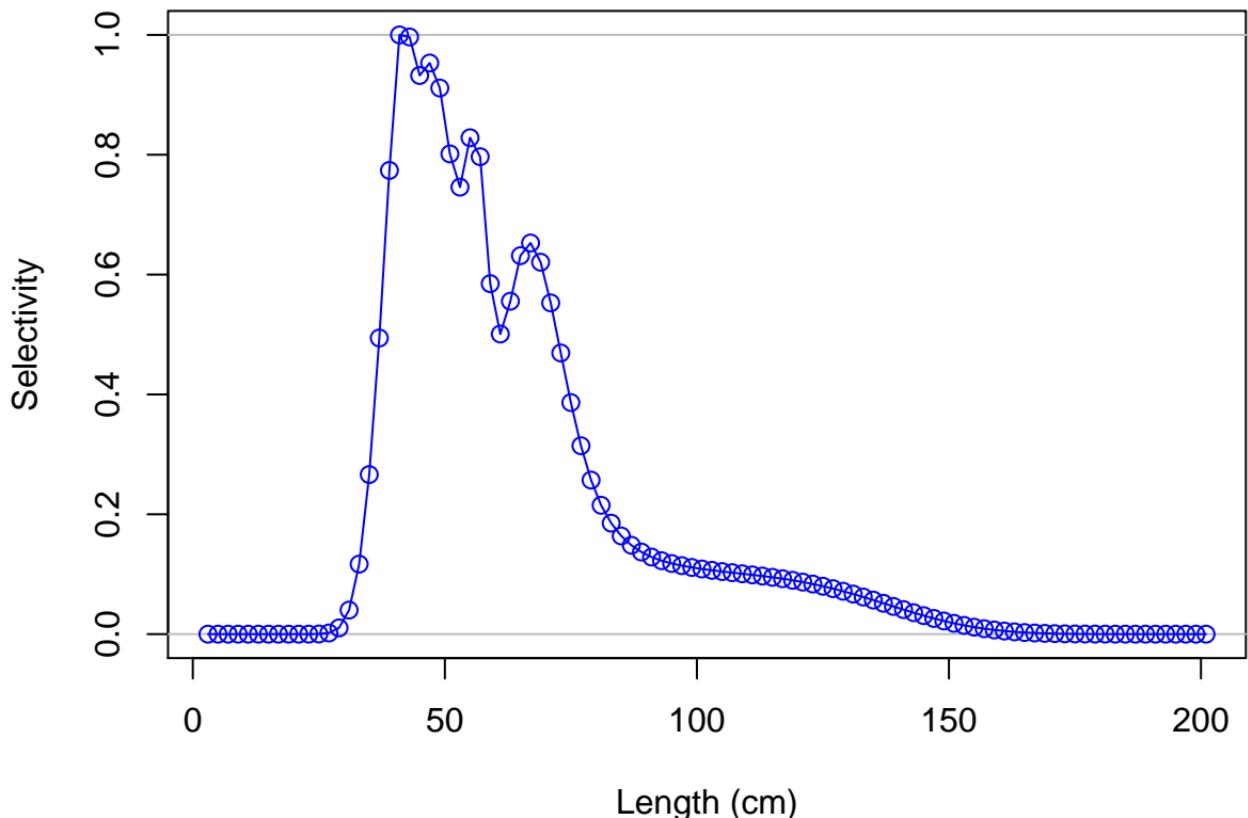
Female ending year selectivity for F6–OBJ_N_Q23



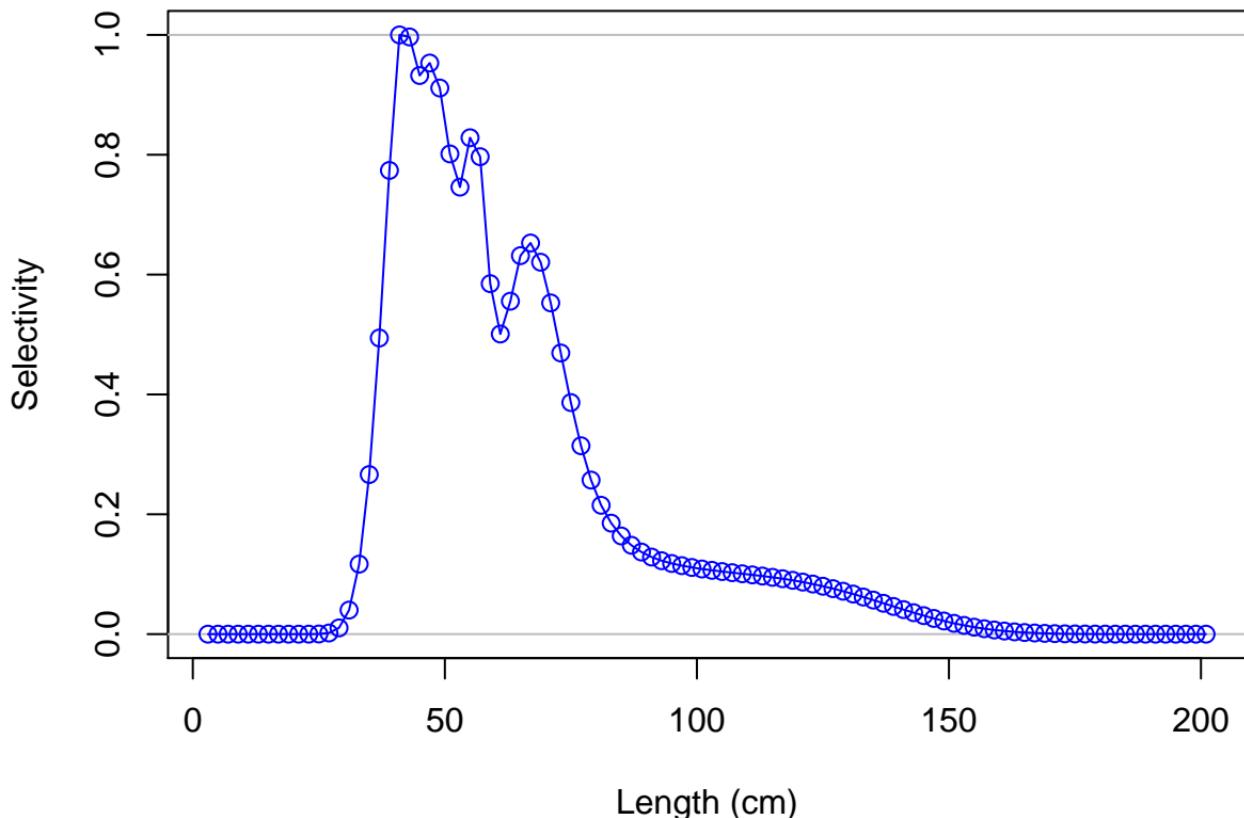
Male ending year selectivity for F6–OBJ_N_Q23



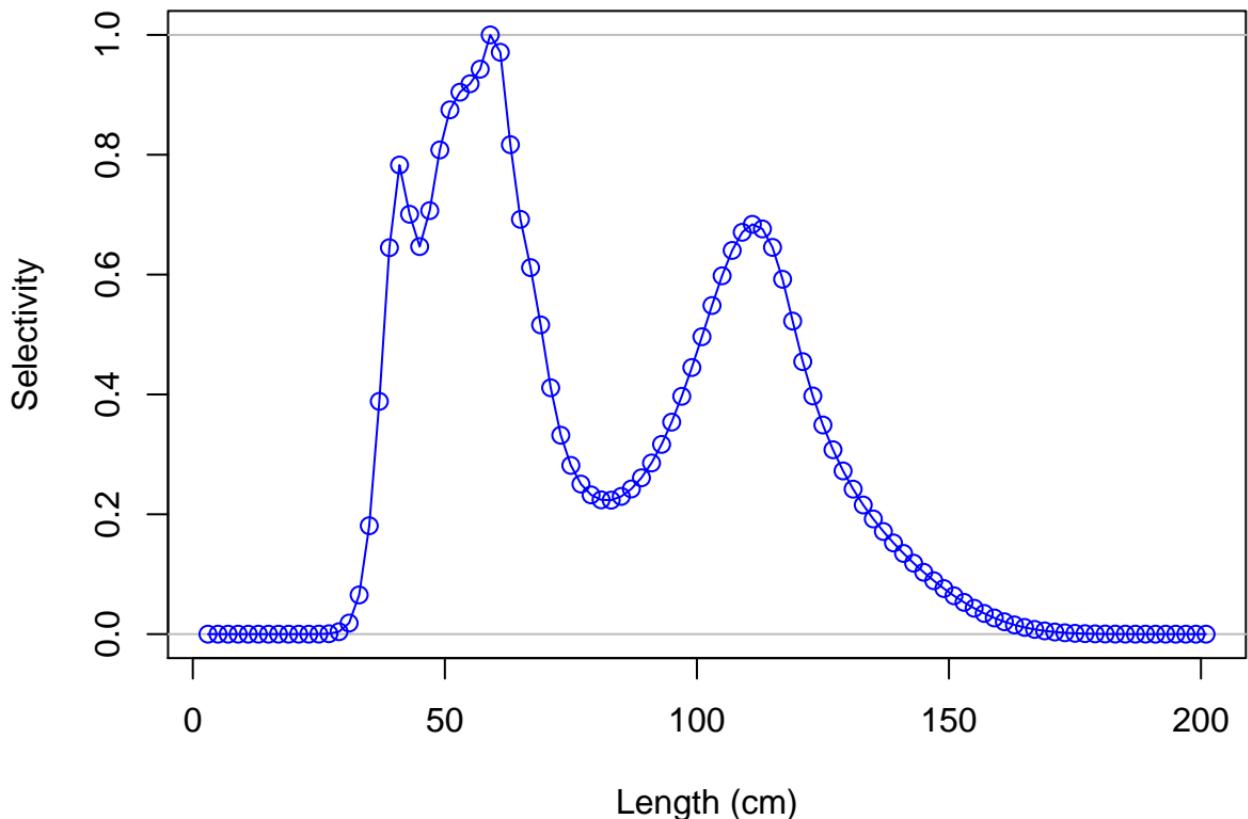
Female ending year selectivity for F7-OBJ_Nc_Q23



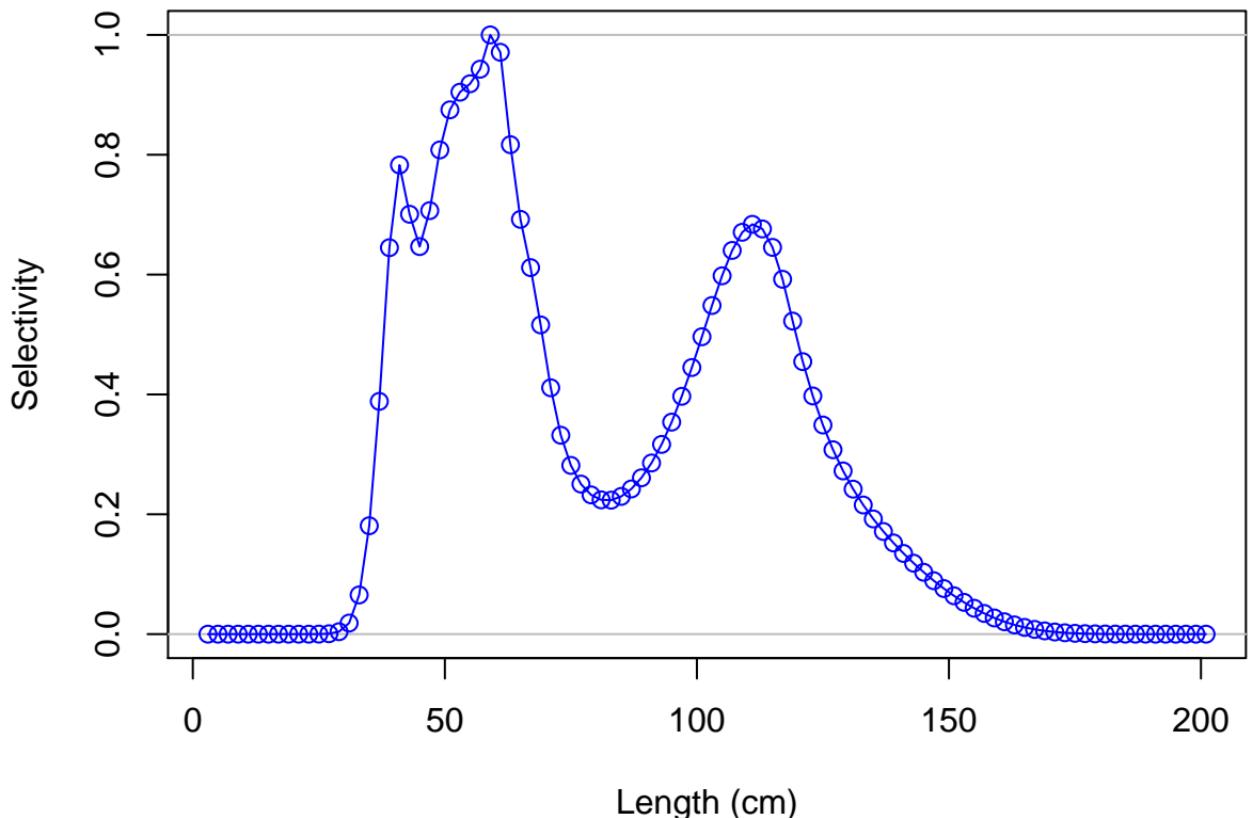
Male ending year selectivity for F7–OBJ_Nc_Q23



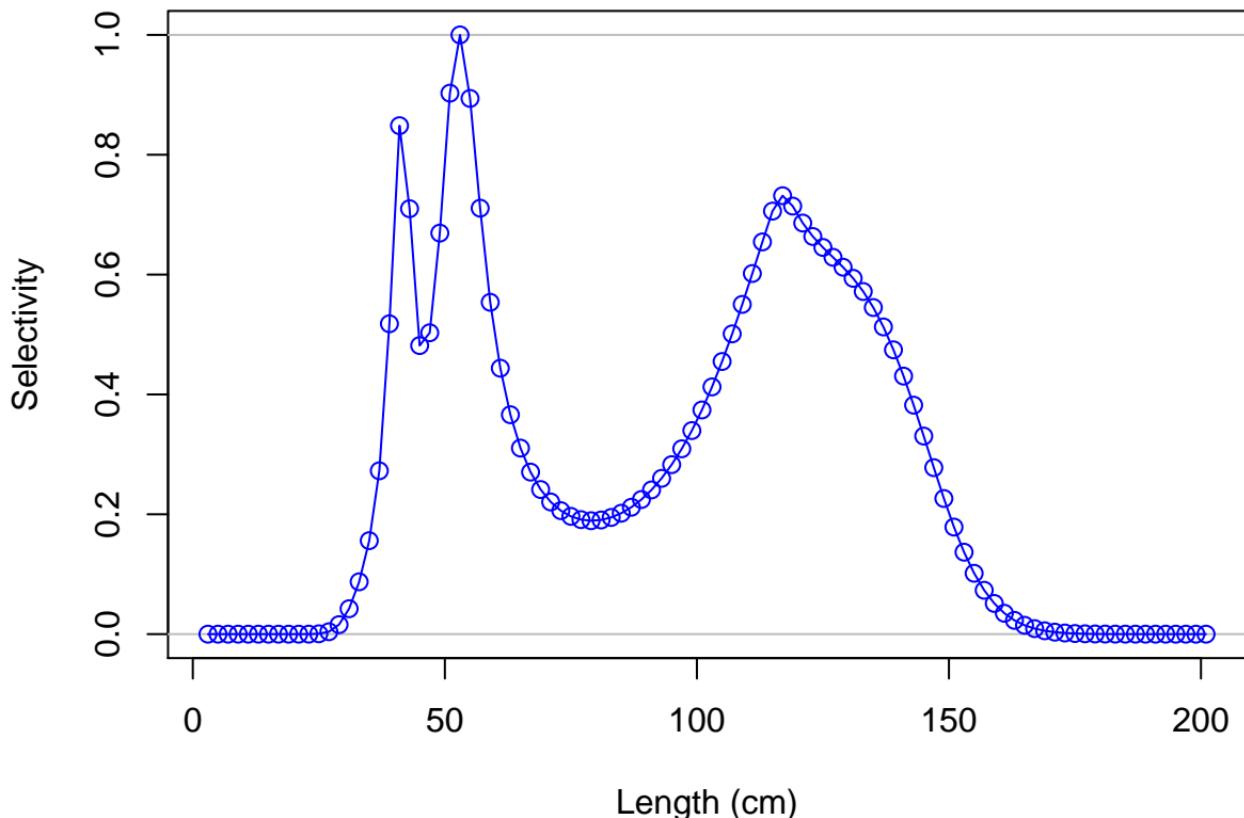
Female ending year selectivity for F8-OBJ_C_Q23



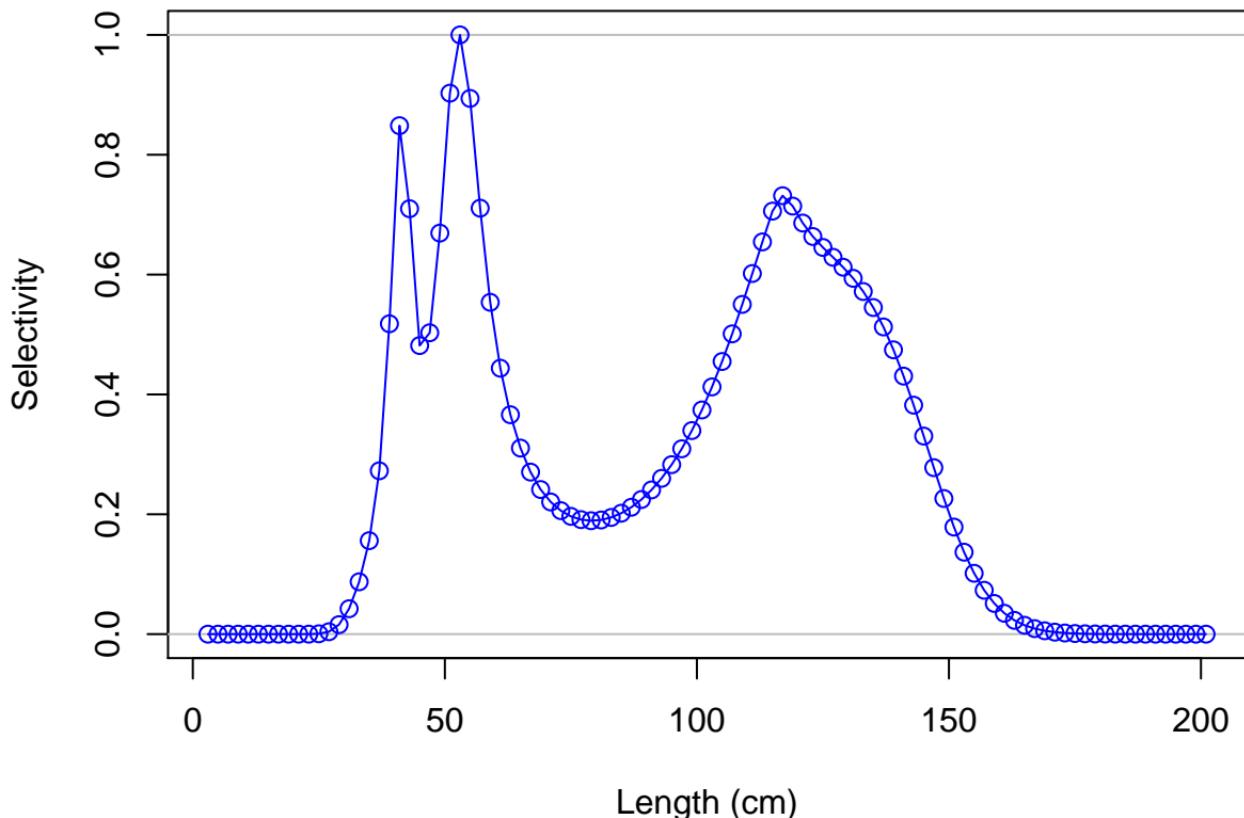
Male ending year selectivity for F8–OBJ_C_Q23



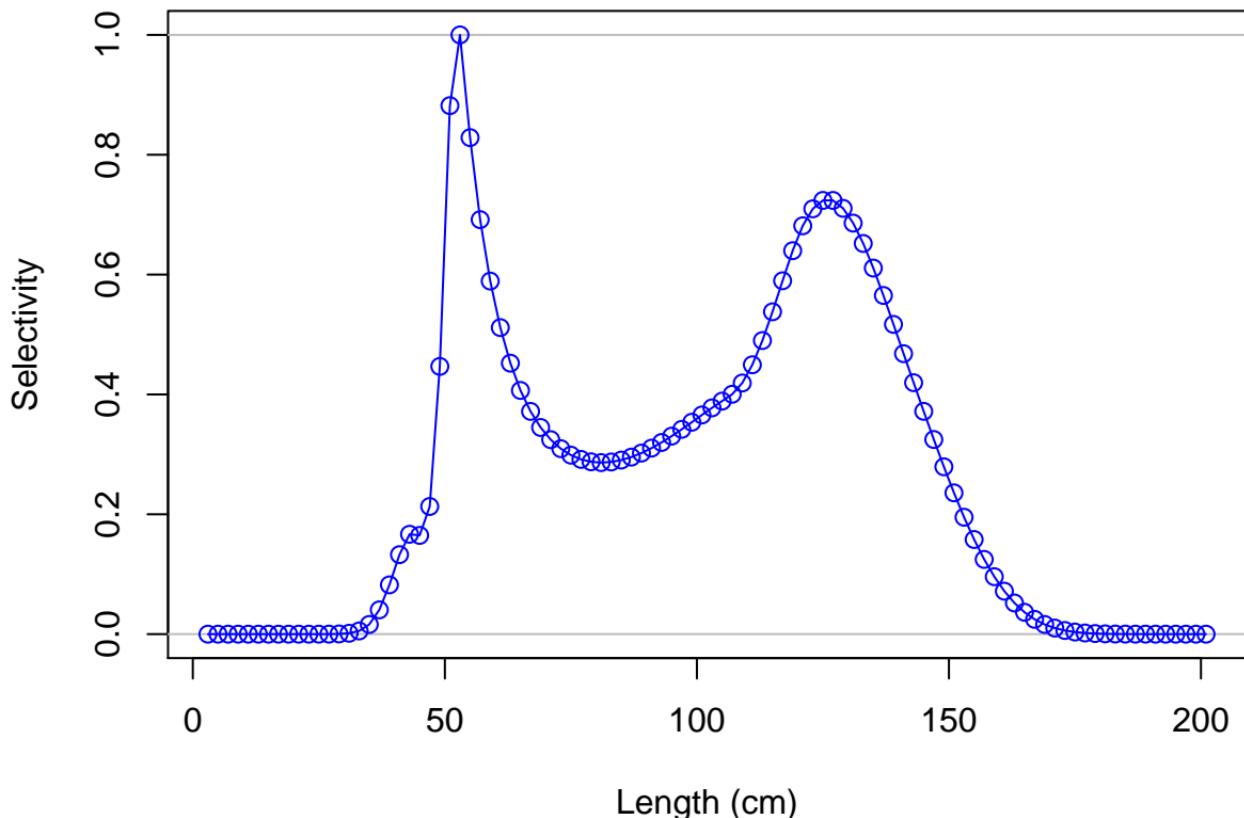
Female ending year selectivity for F9-OBJ_Cc_Q23



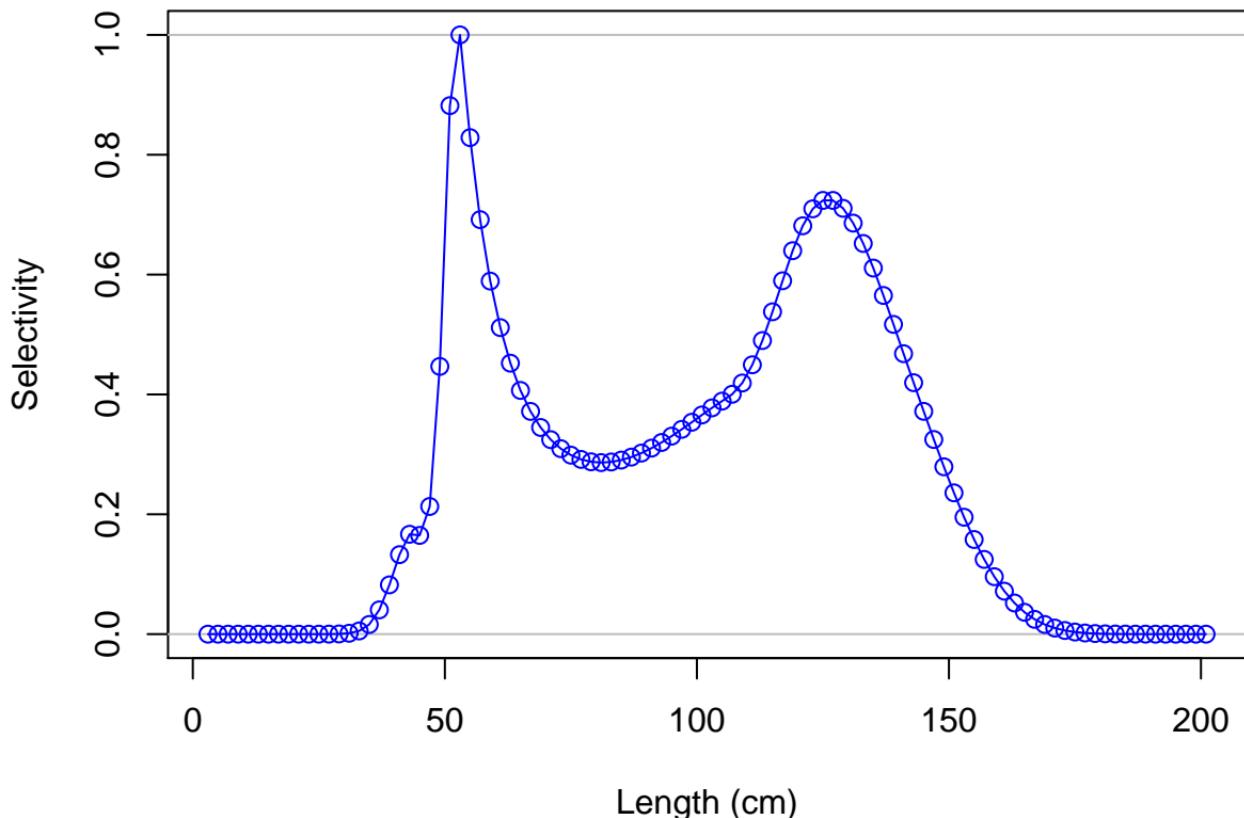
Male ending year selectivity for F9–OBJ_Cc_Q23



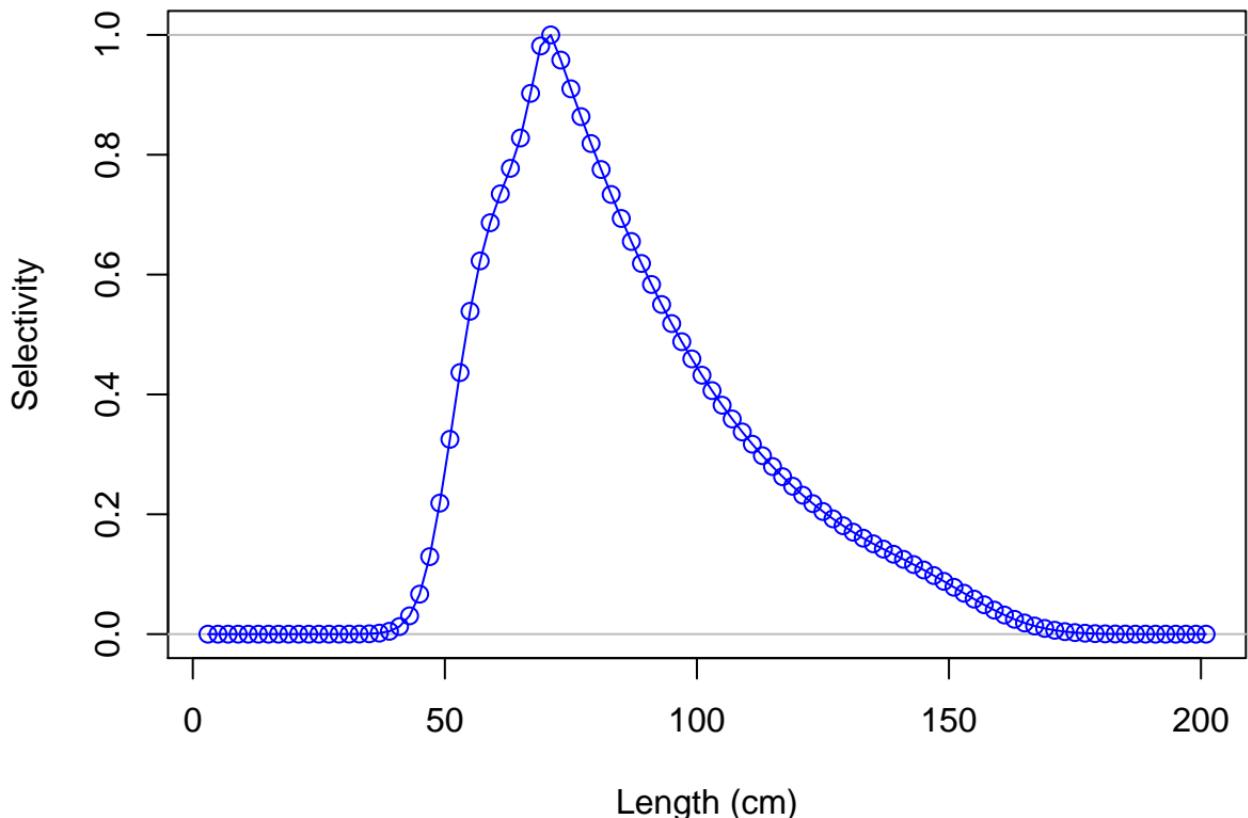
Female ending year selectivity for F10-OBJ_S_Q23



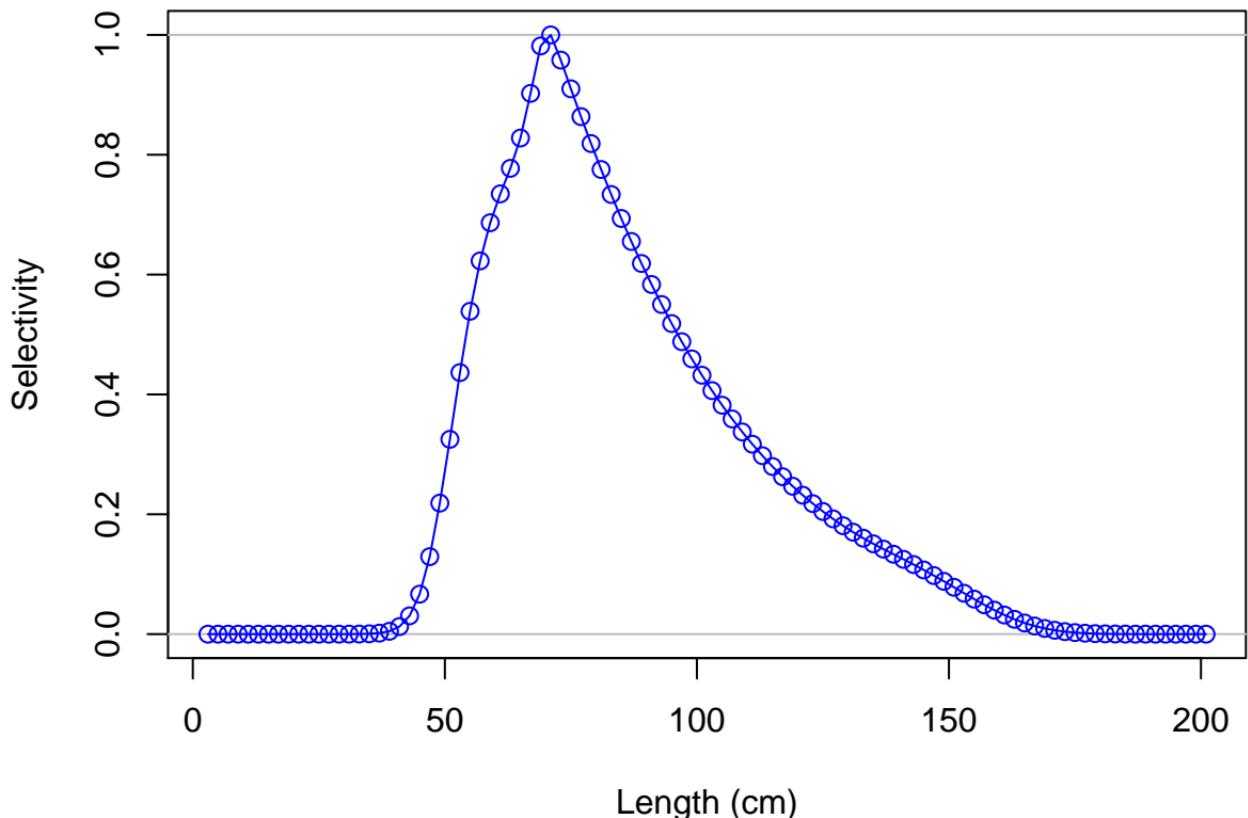
Male ending year selectivity for F10–OBJ_S_Q23



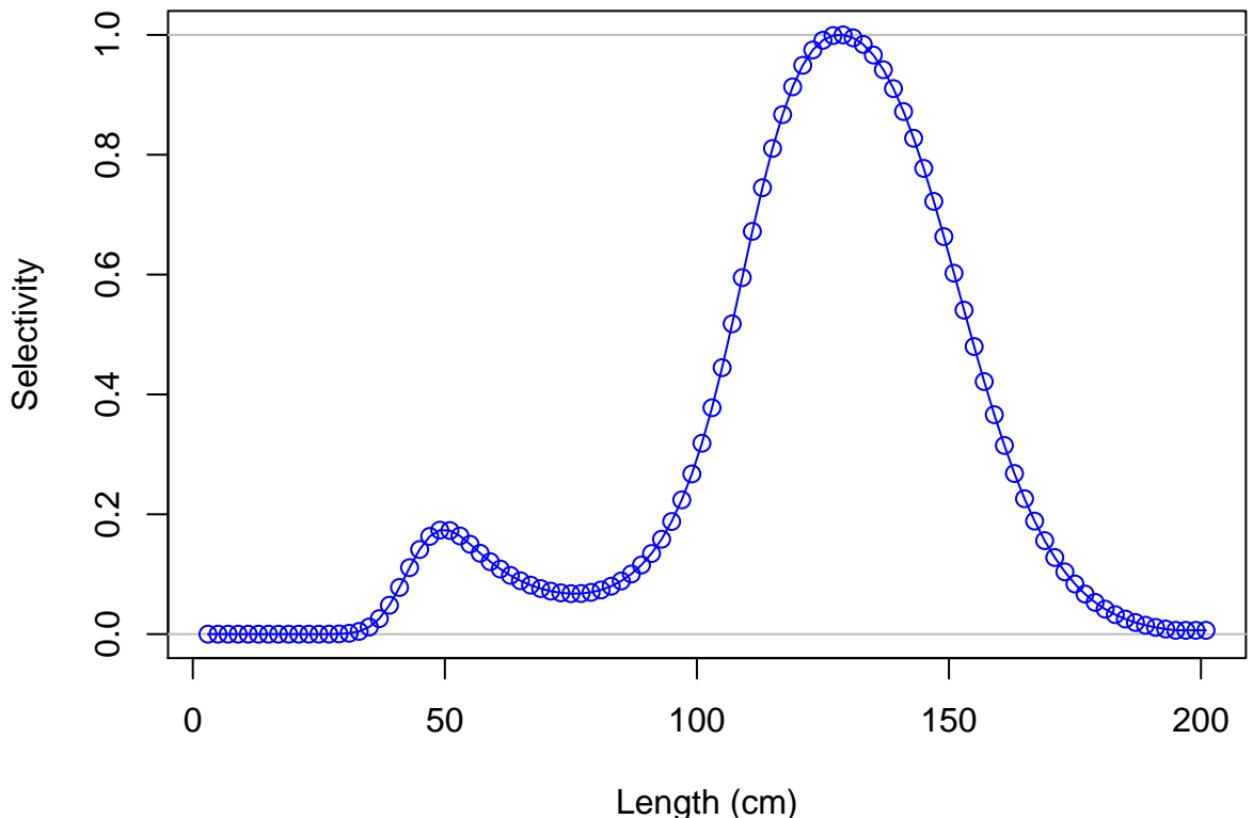
Female ending year selectivity for F11-NOA_N



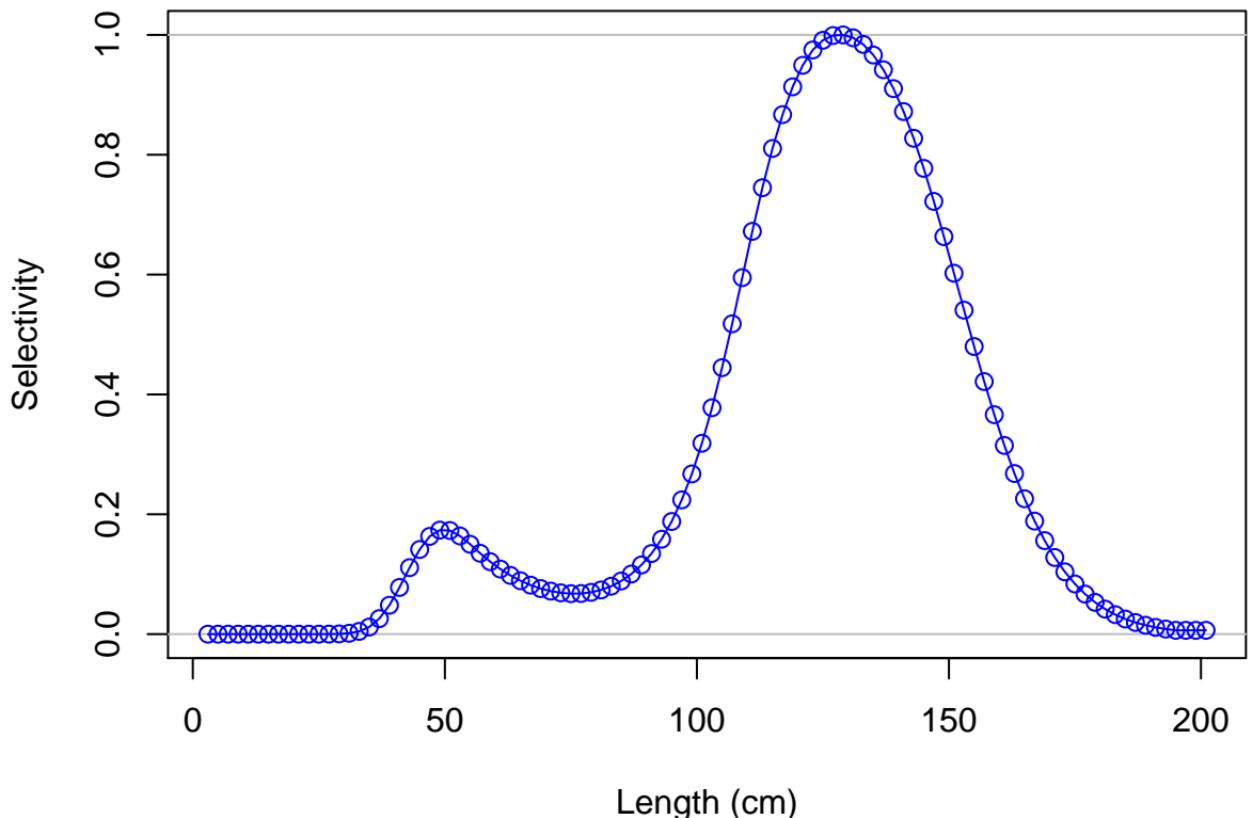
Male ending year selectivity for F11–NOA_N



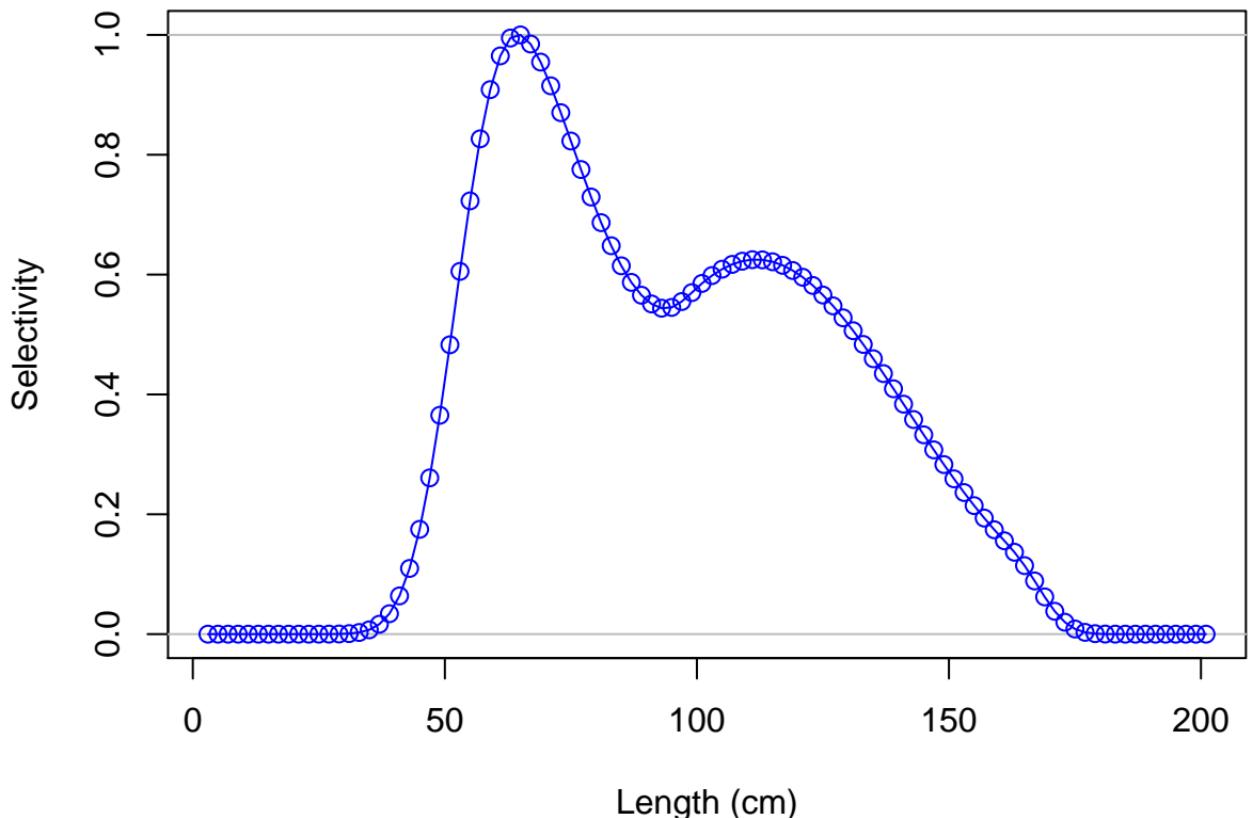
Female ending year selectivity for F12-NOA_C



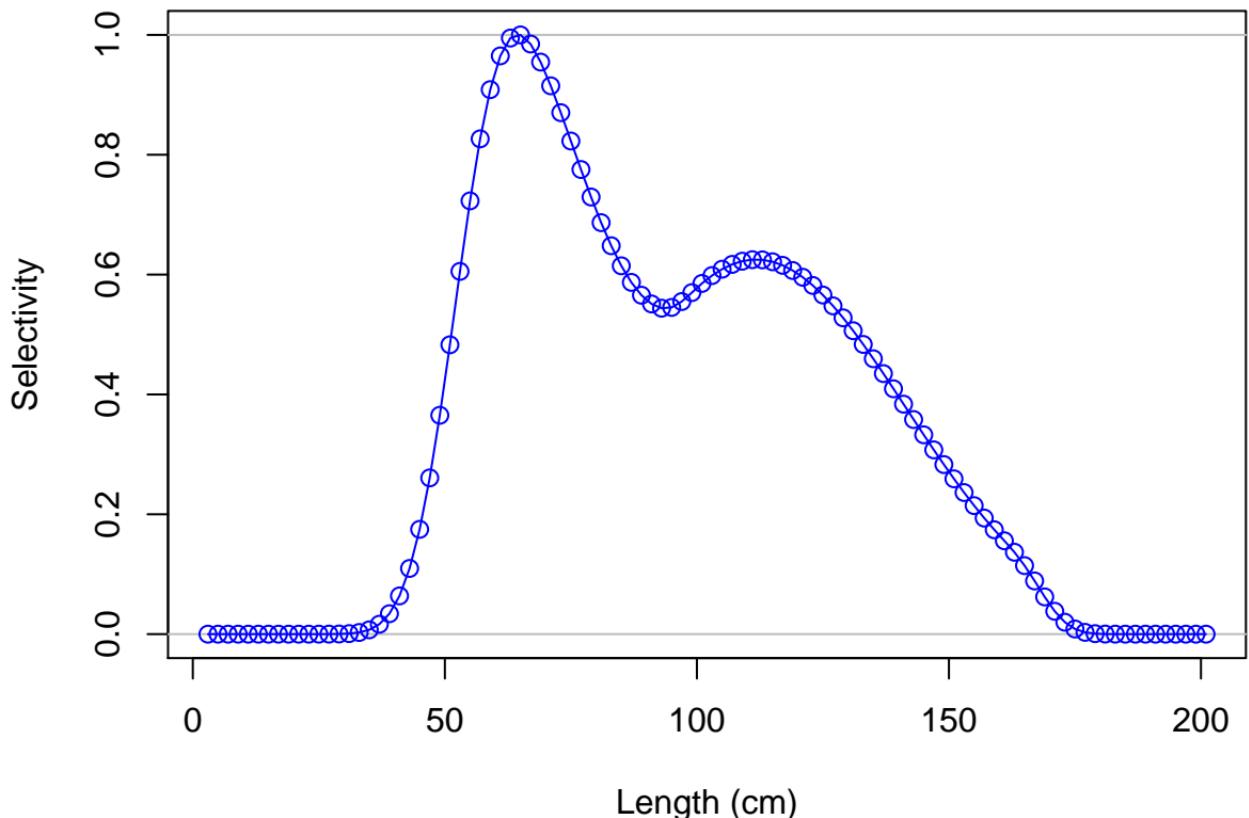
Male ending year selectivity for F12-NOA_C



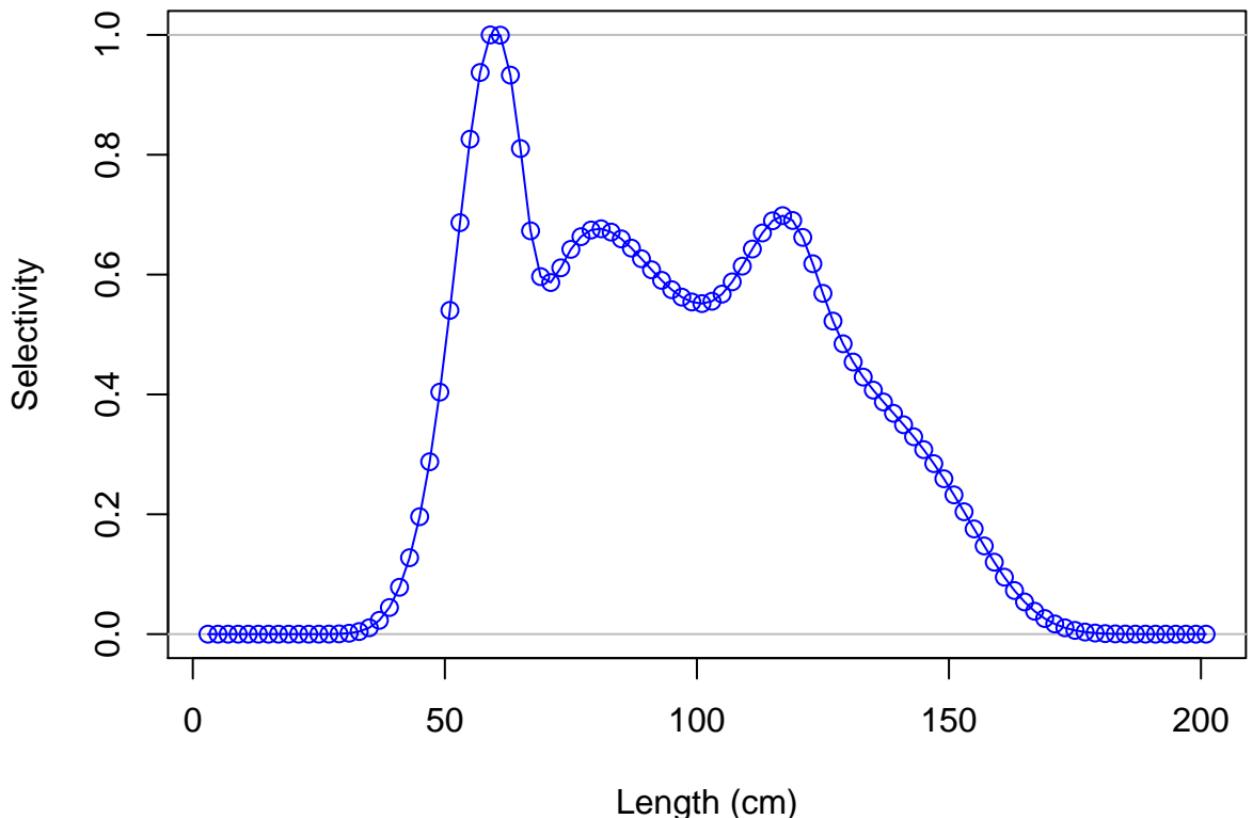
Female ending year selectivity for F13–NOA_I



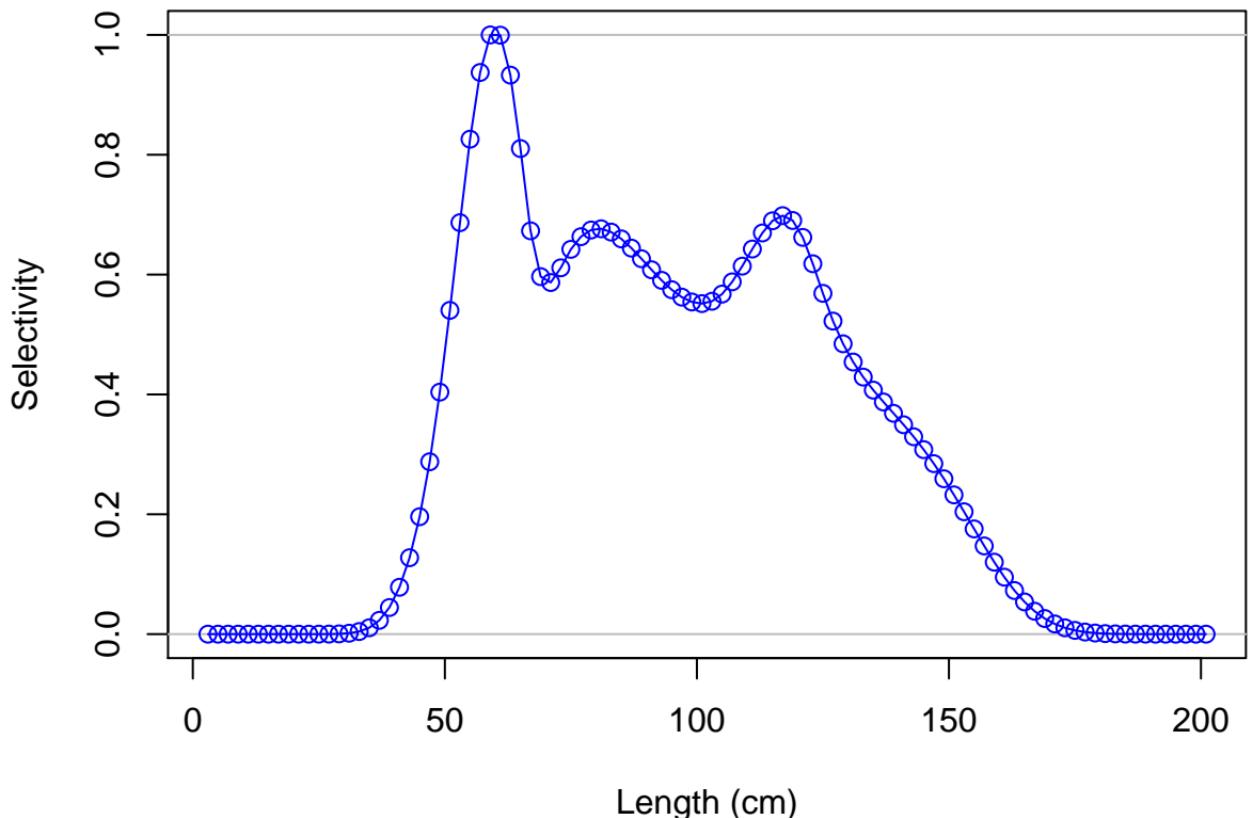
Male ending year selectivity for F13–NOA_I



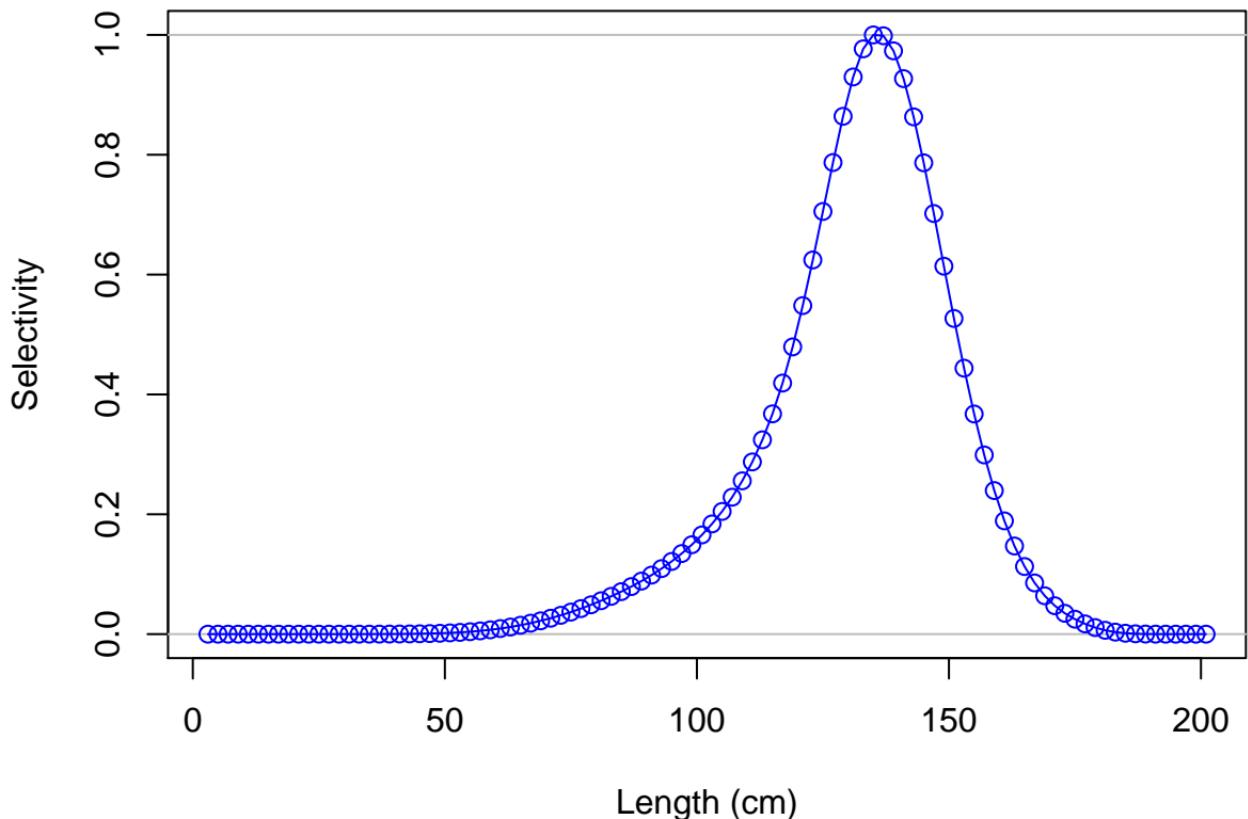
Female ending year selectivity for F14–NOA_S



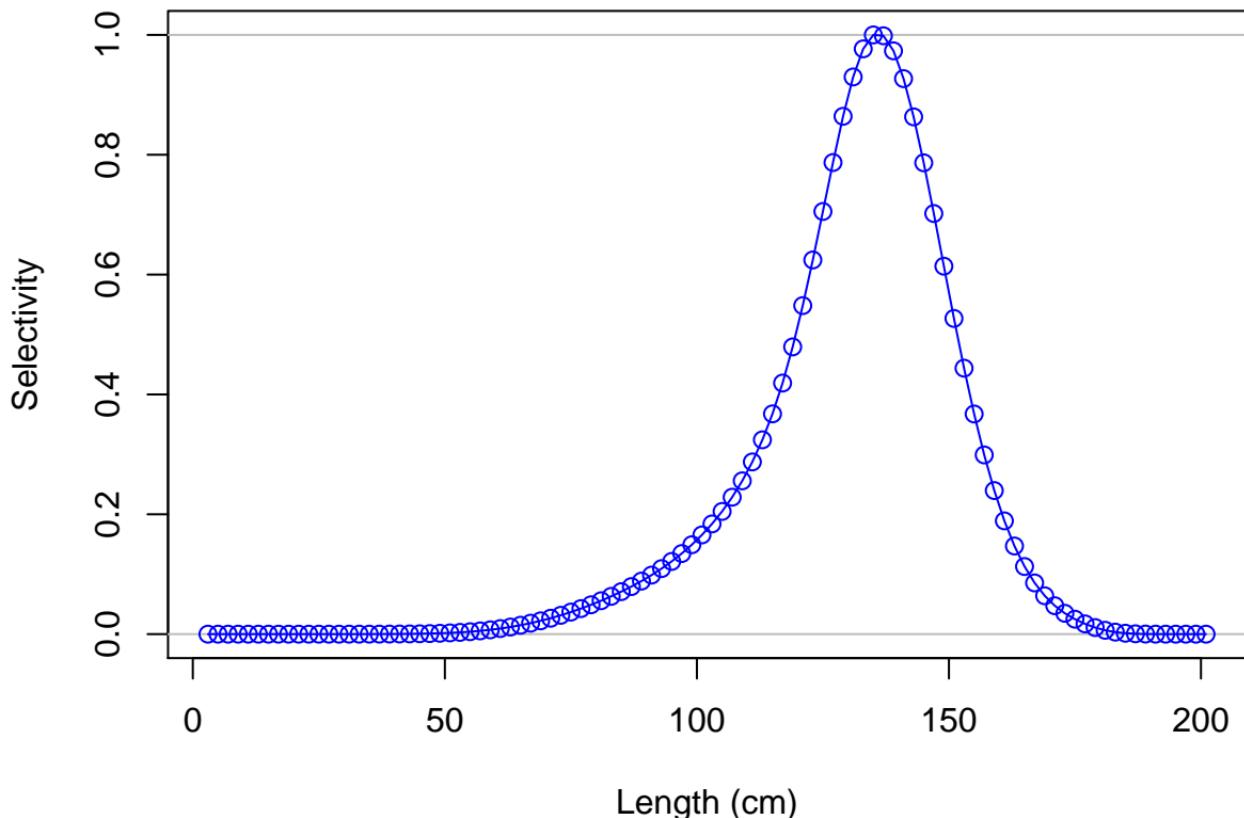
Male ending year selectivity for F14–NOA_S



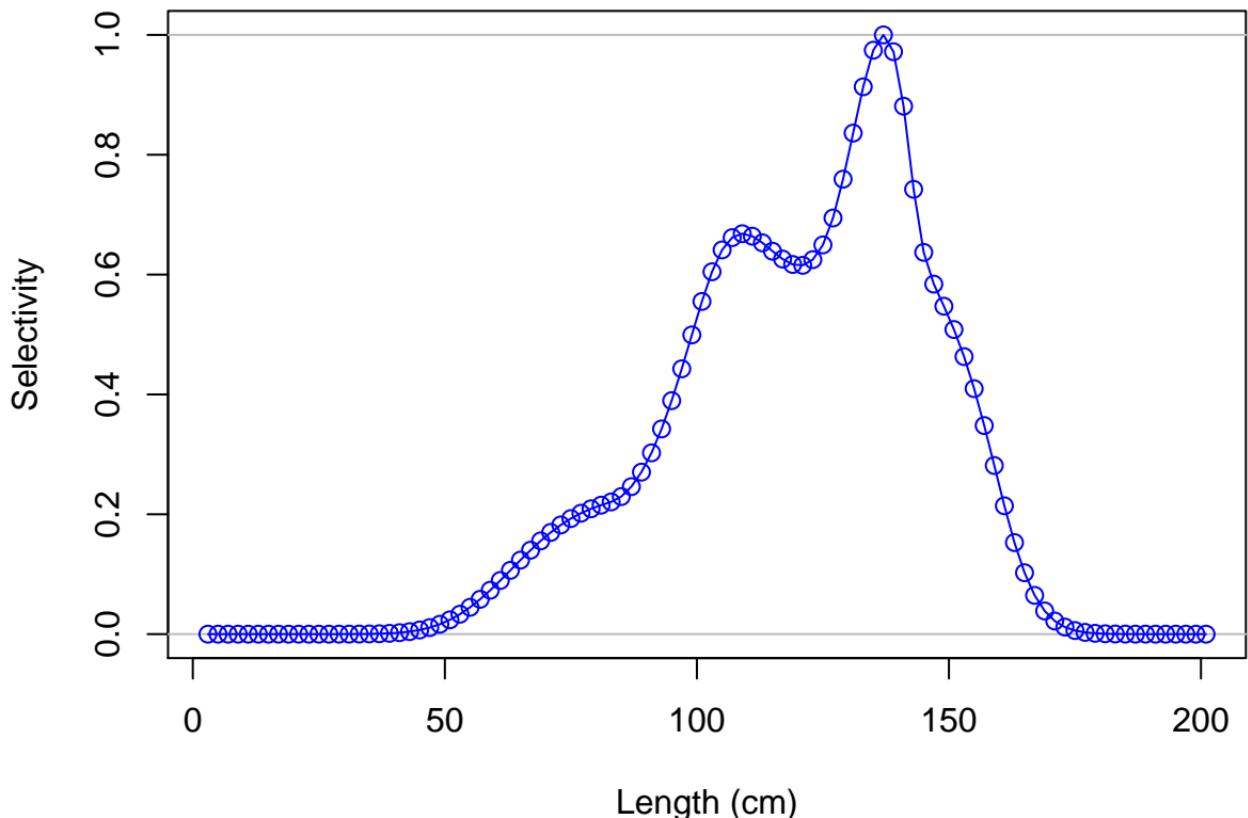
Female ending year selectivity for F15-DEL_N



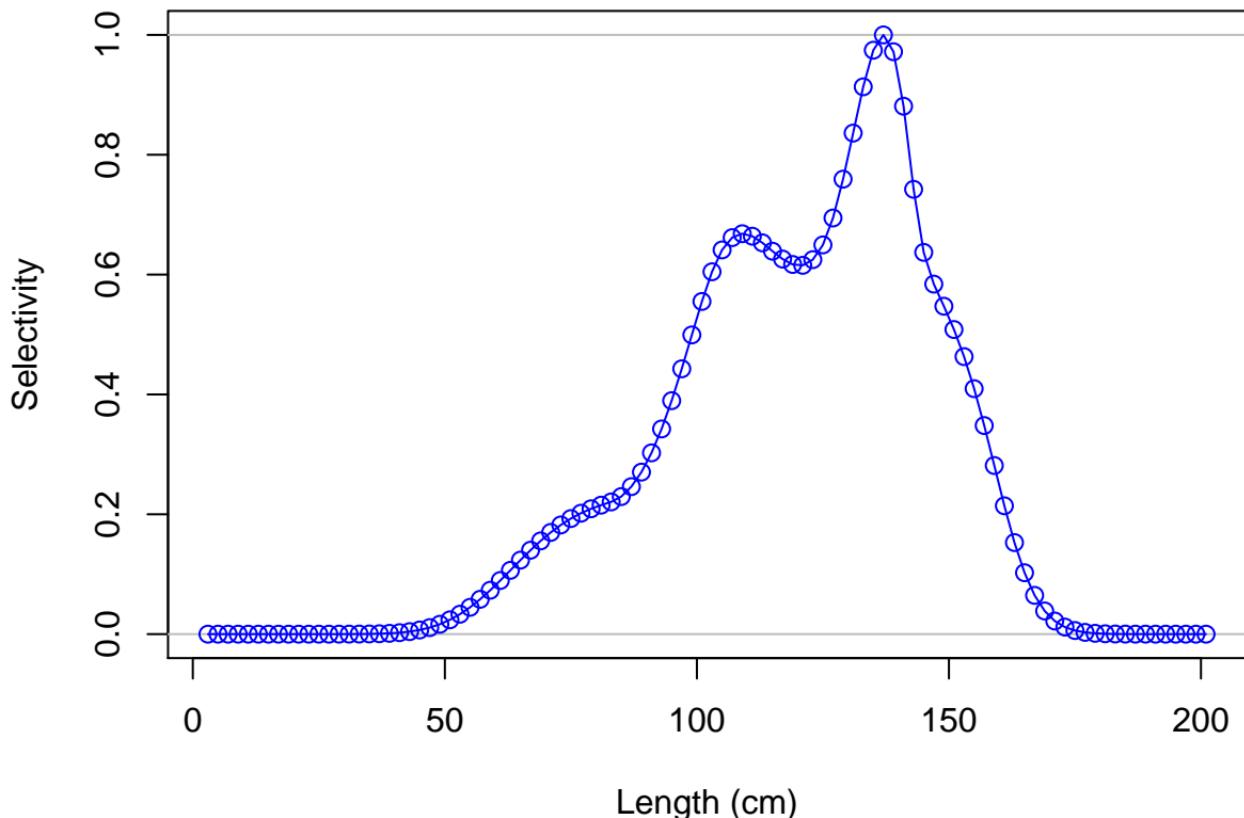
Male ending year selectivity for F15-DEL_N



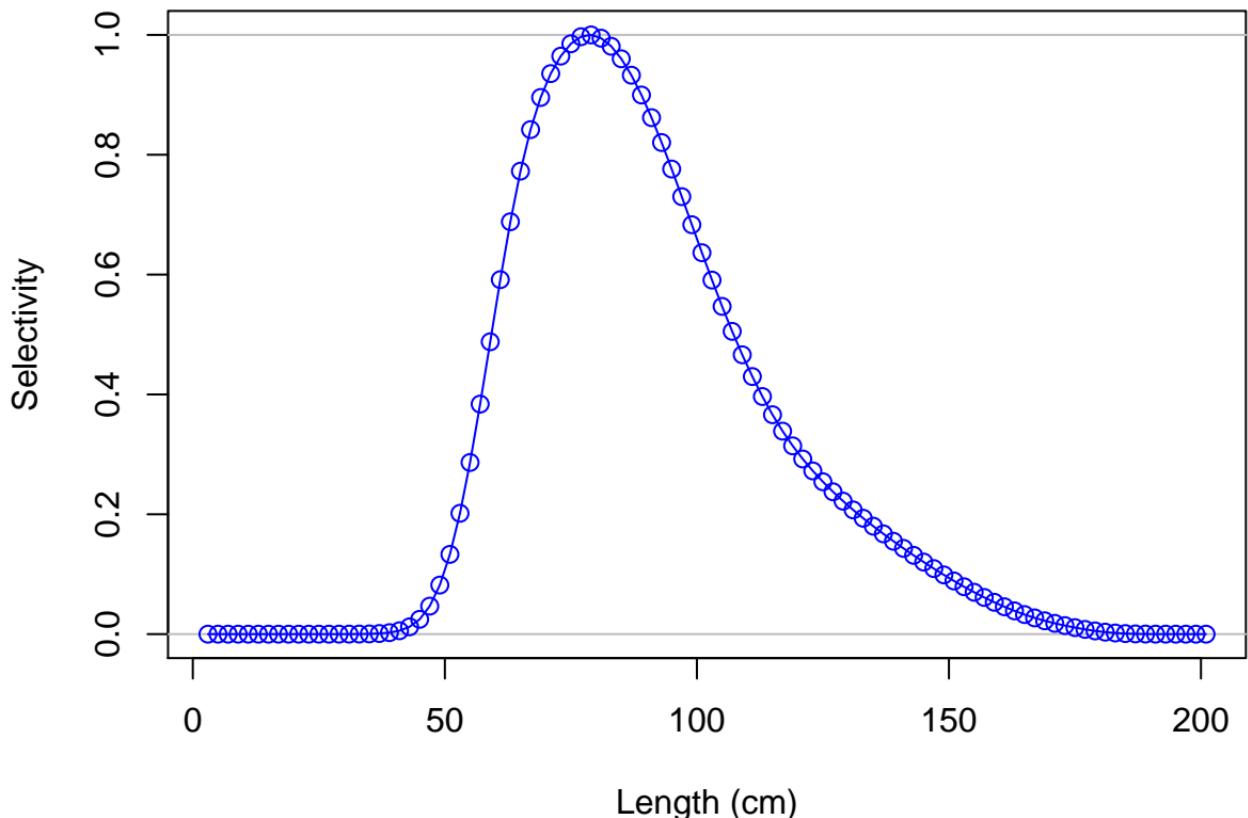
Female ending year selectivity for F16-DEL_NE



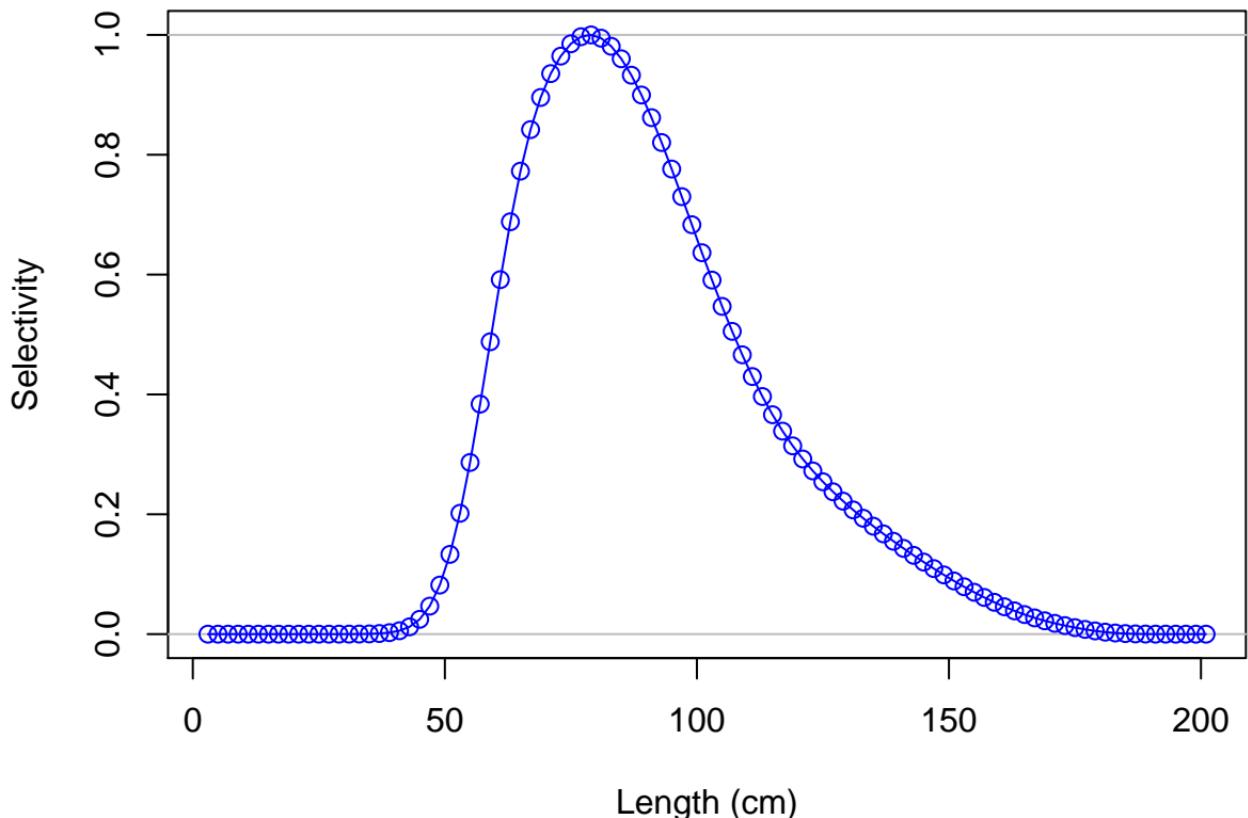
Male ending year selectivity for F16-DEL_NE



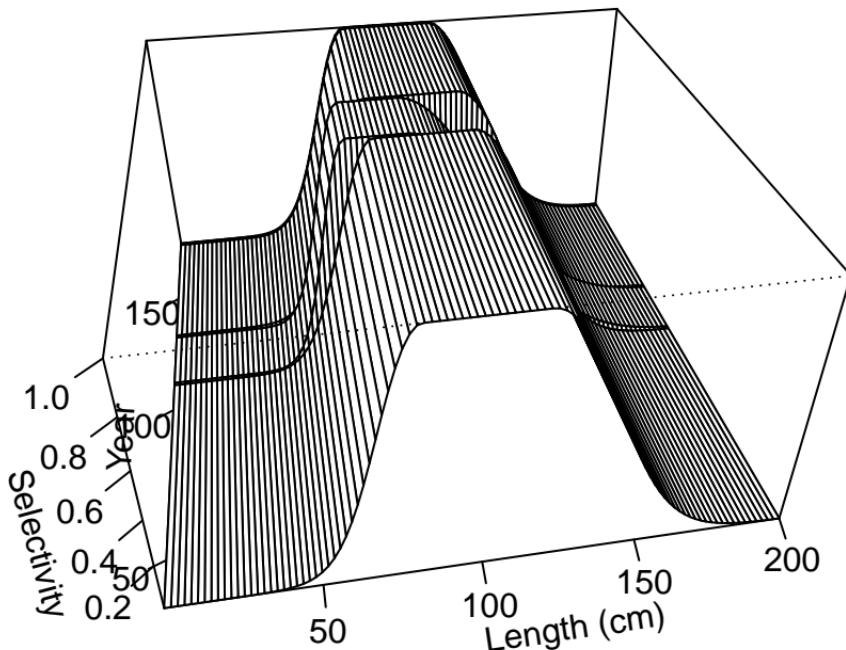
Female ending year selectivity for F17-DEL_M



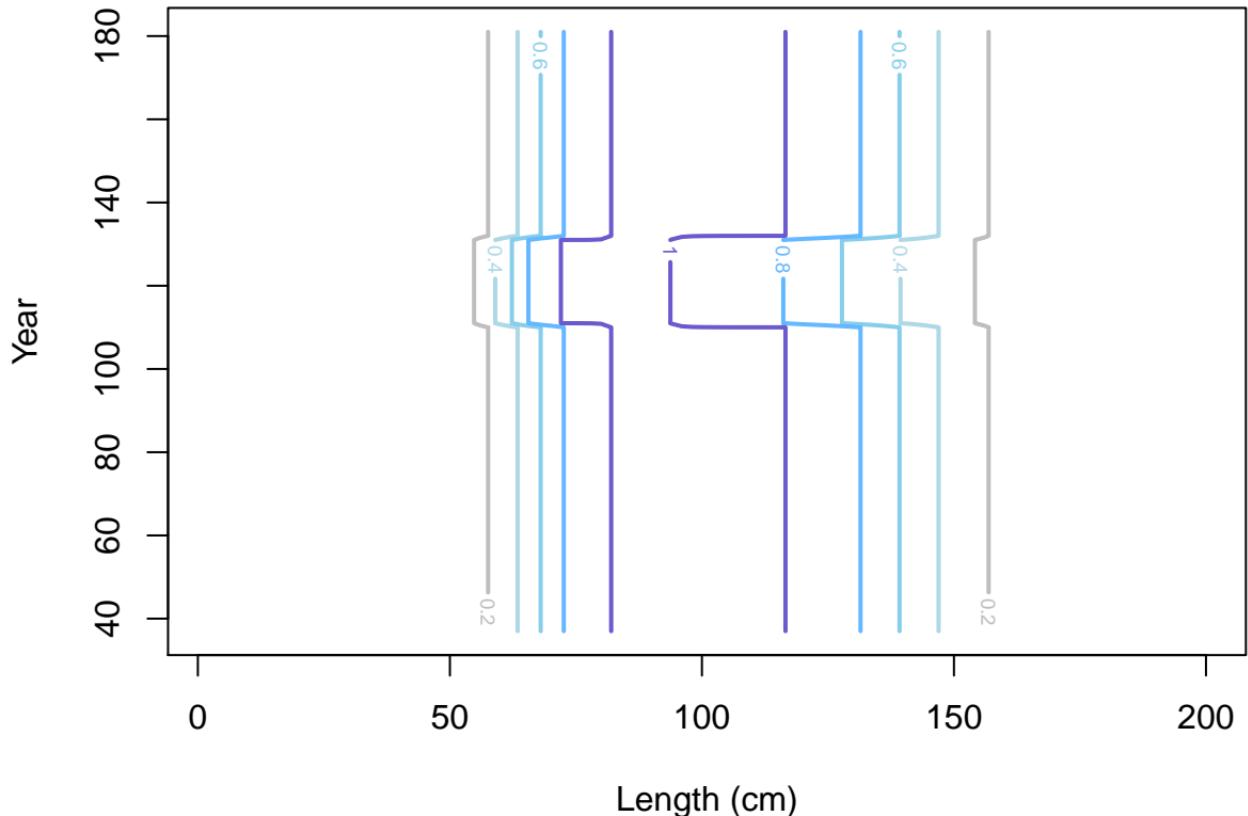
Male ending year selectivity for F17-DEL_M



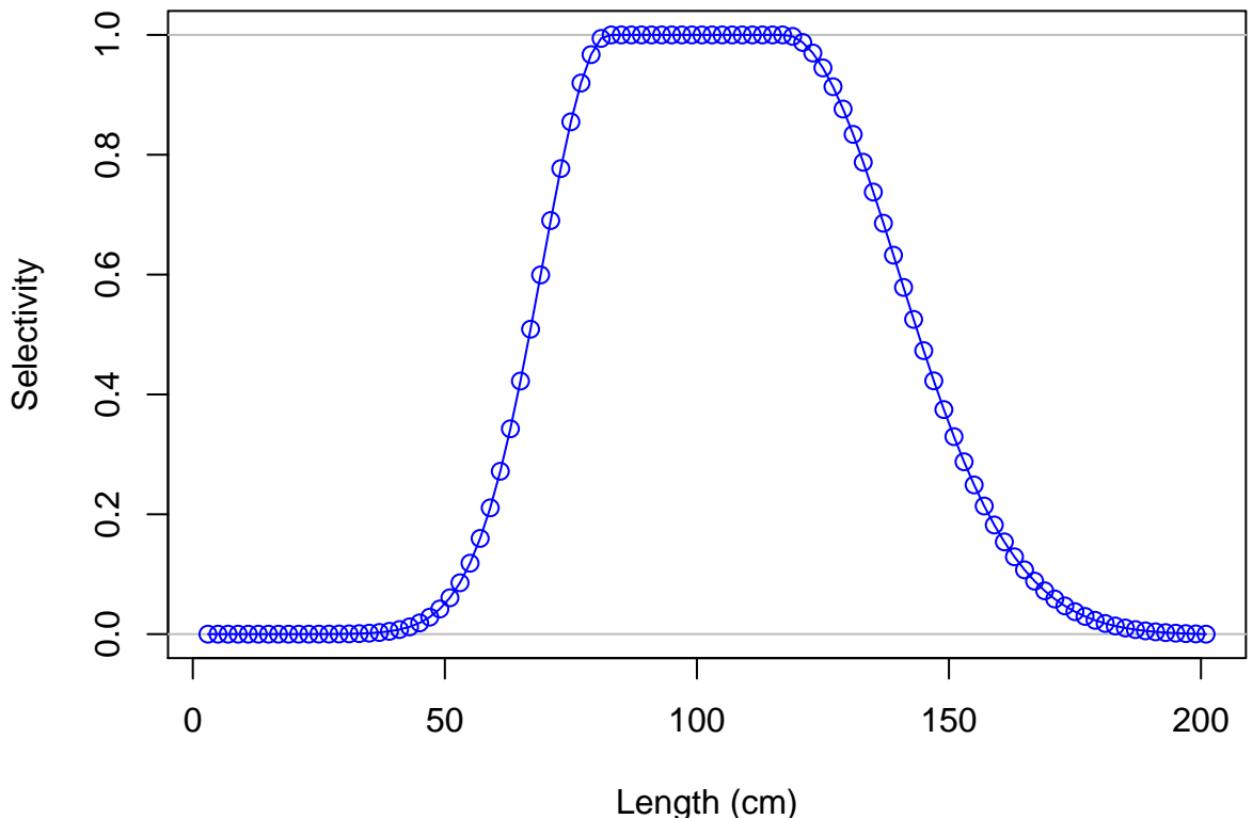
Female time-varying selectivity for F18-DEL_C



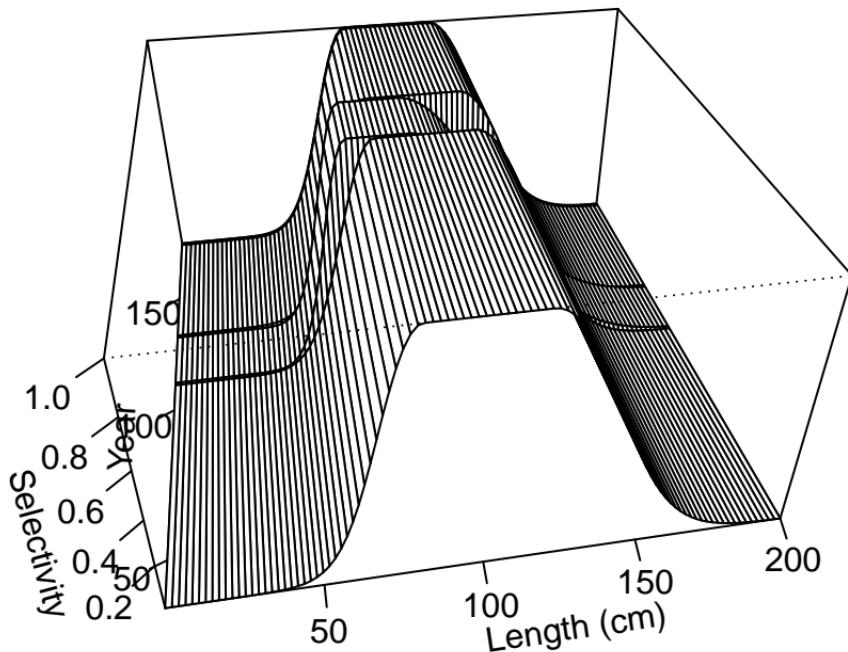
Female time-varying selectivity for F18-DEL_C



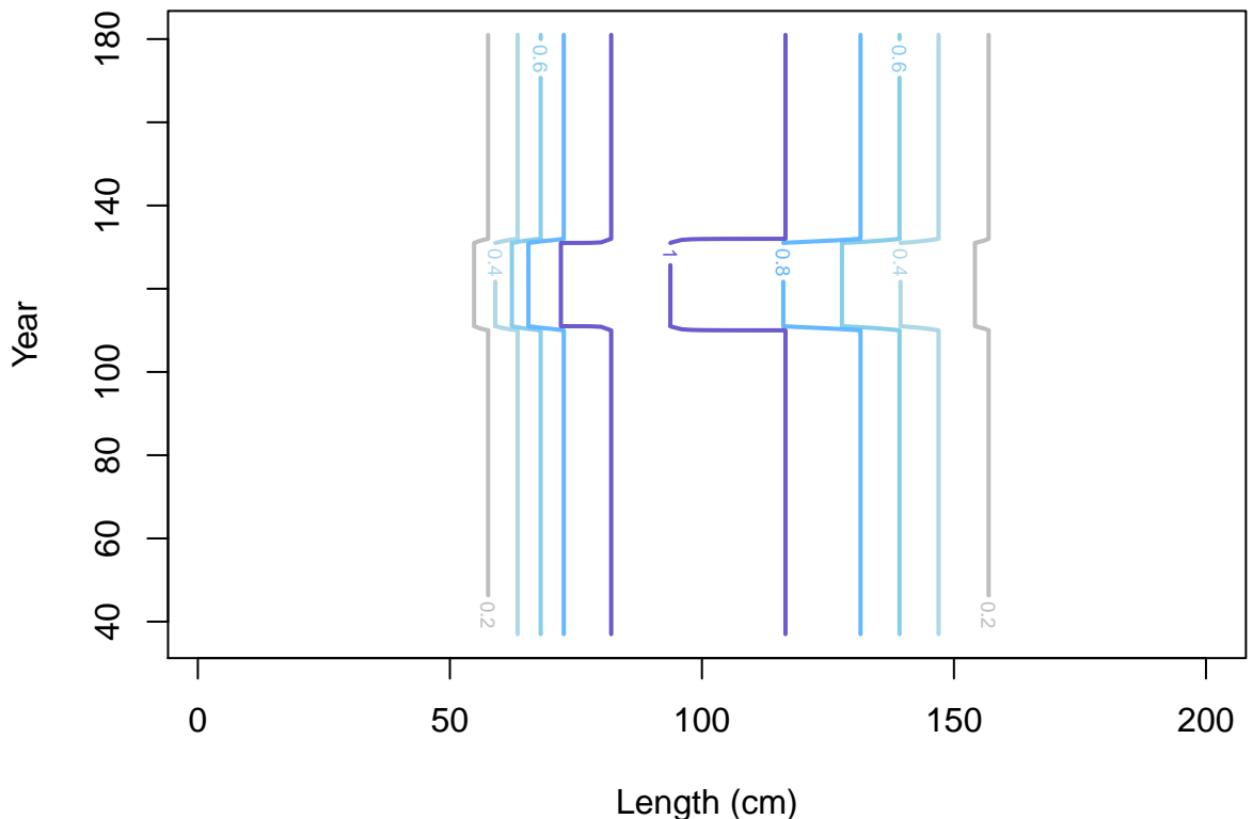
Female ending year selectivity for F18-DEL_C



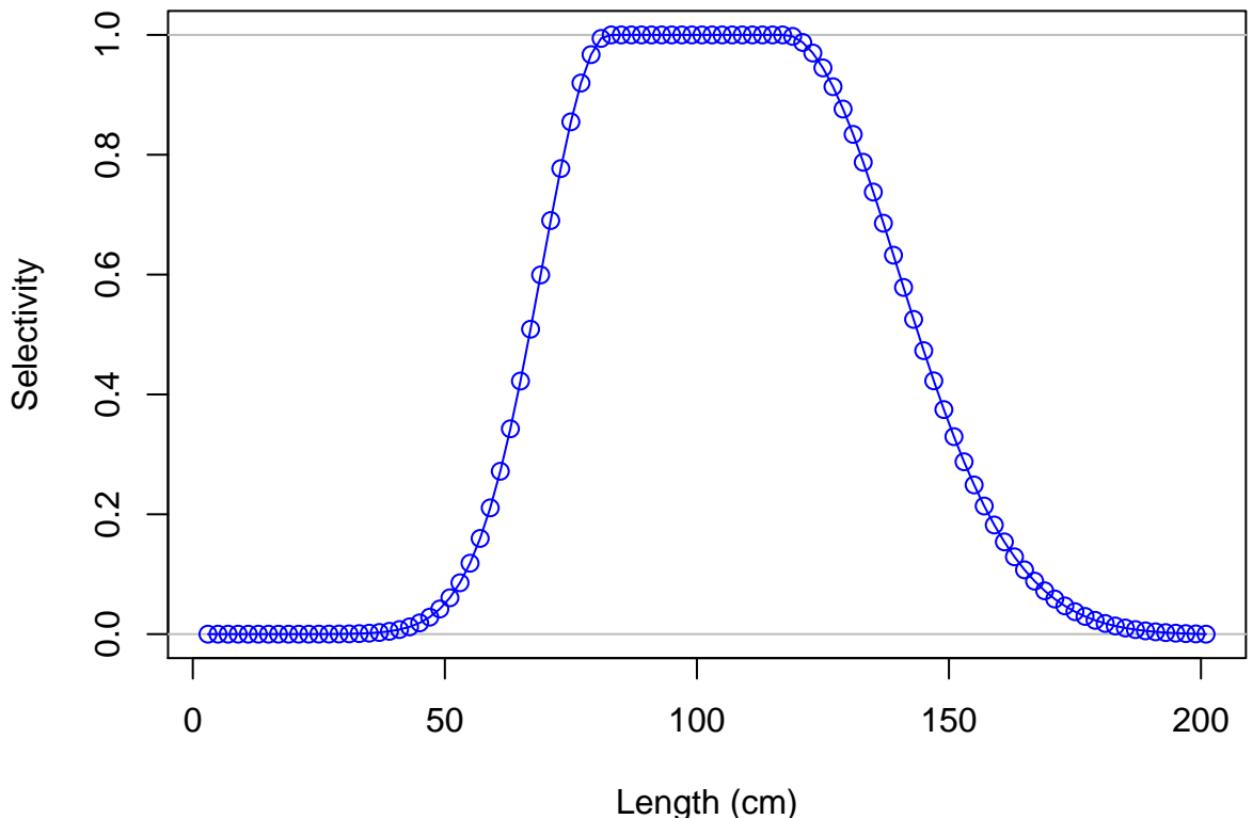
Male time-varying selectivity for F18-DEL_C



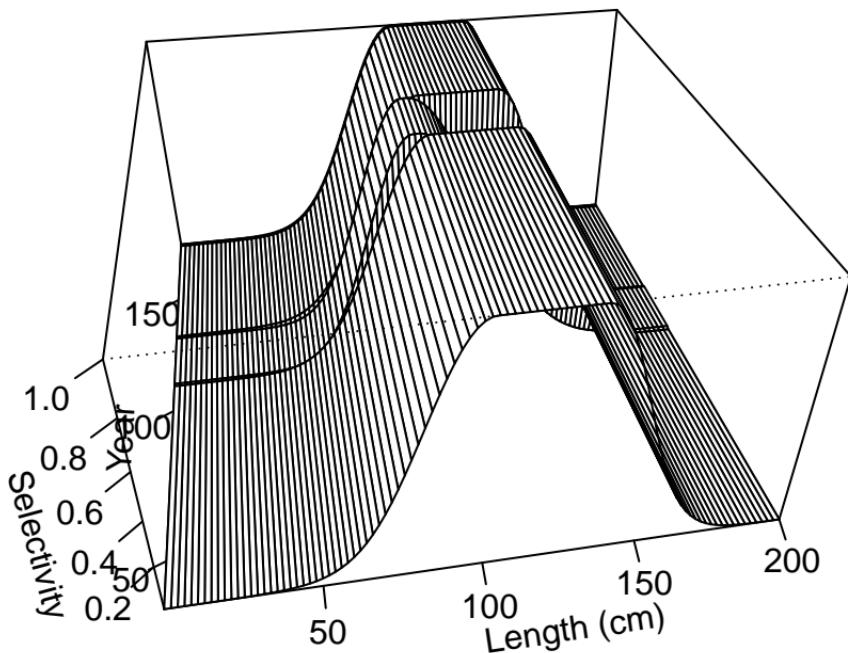
Male time-varying selectivity for F18-DEL_C



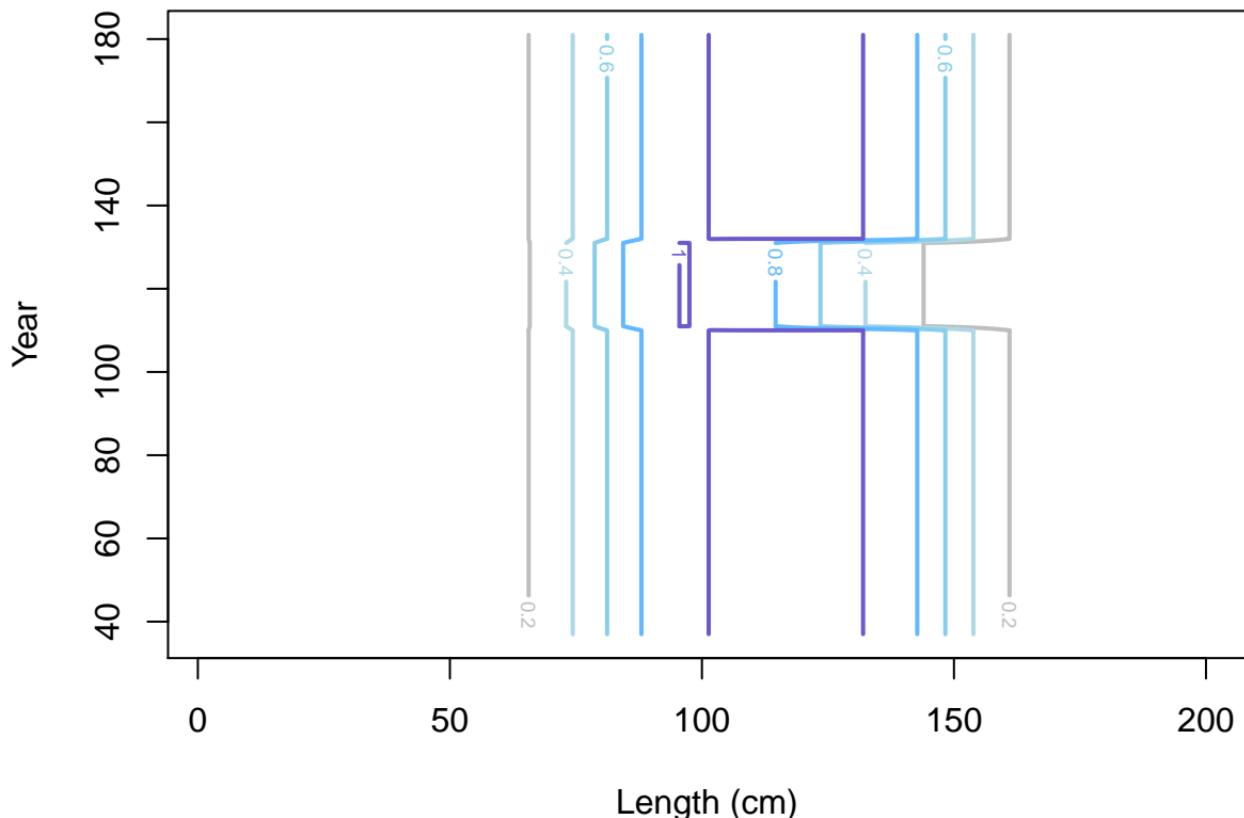
Male ending year selectivity for F18-DEL_C



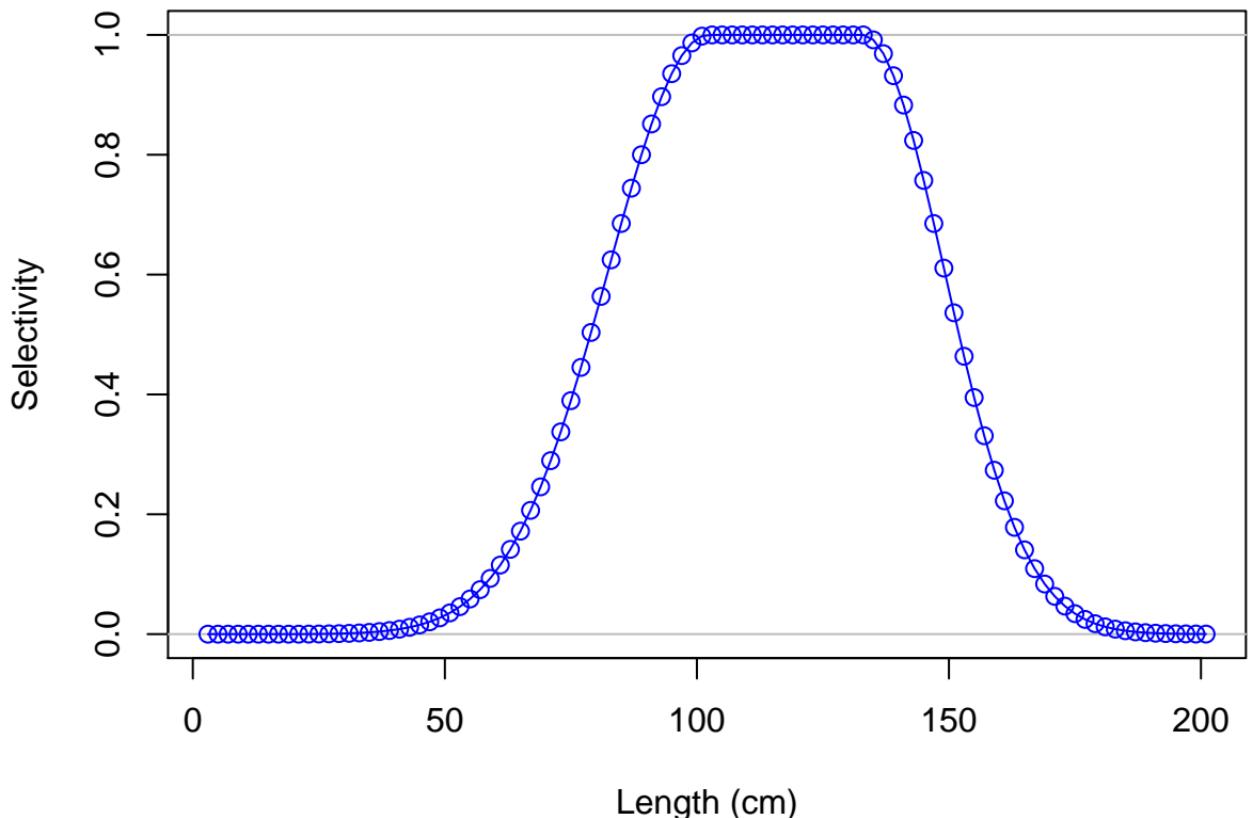
Female time-varying selectivity for F19-DEL_P



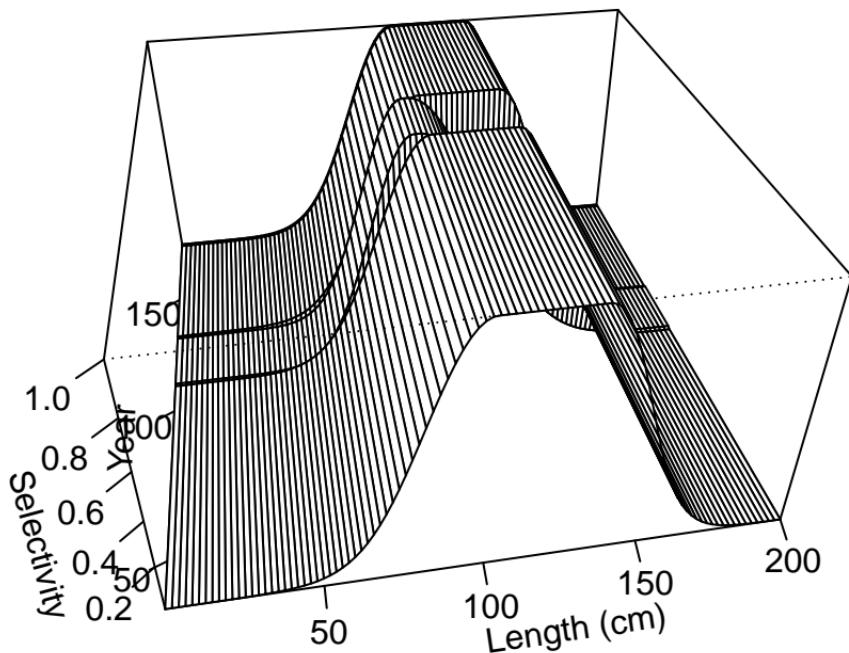
Female time-varying selectivity for F19-DEL_P



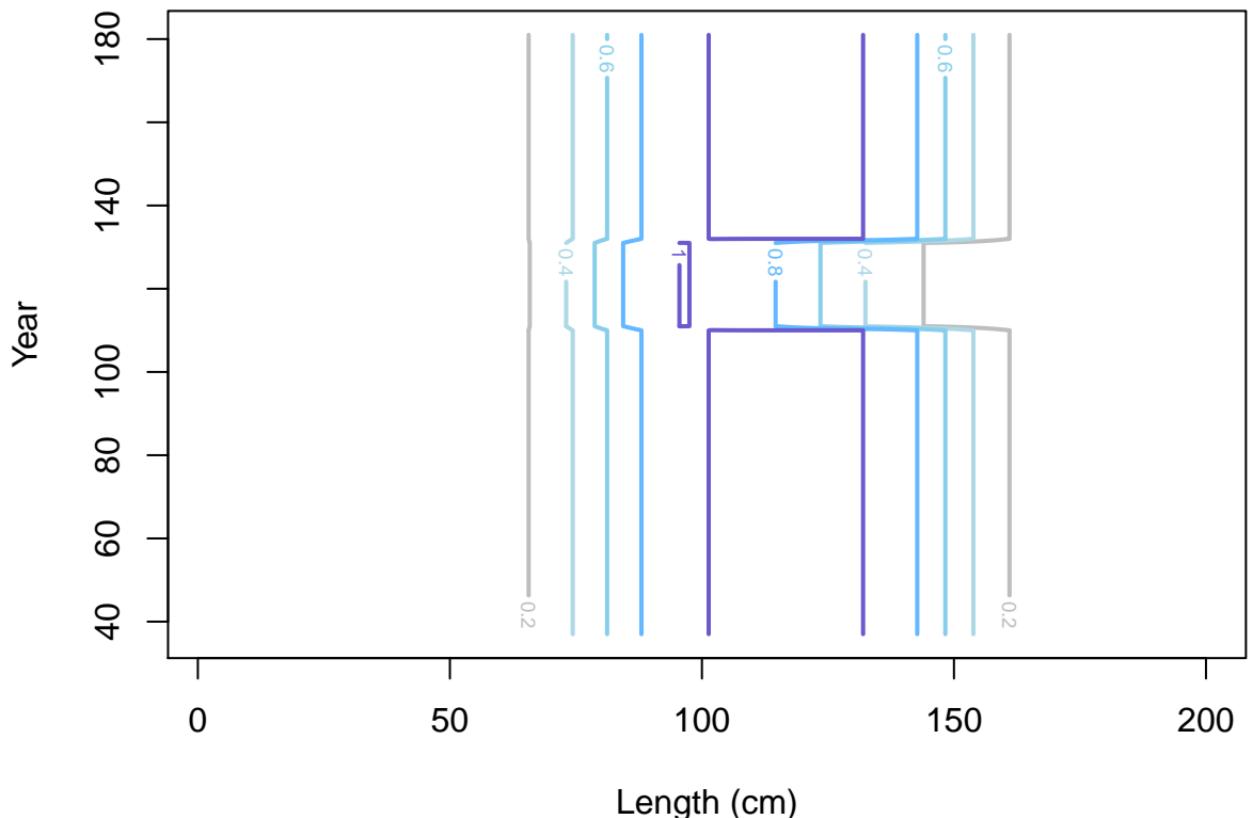
Female ending year selectivity for F19-DEL_P



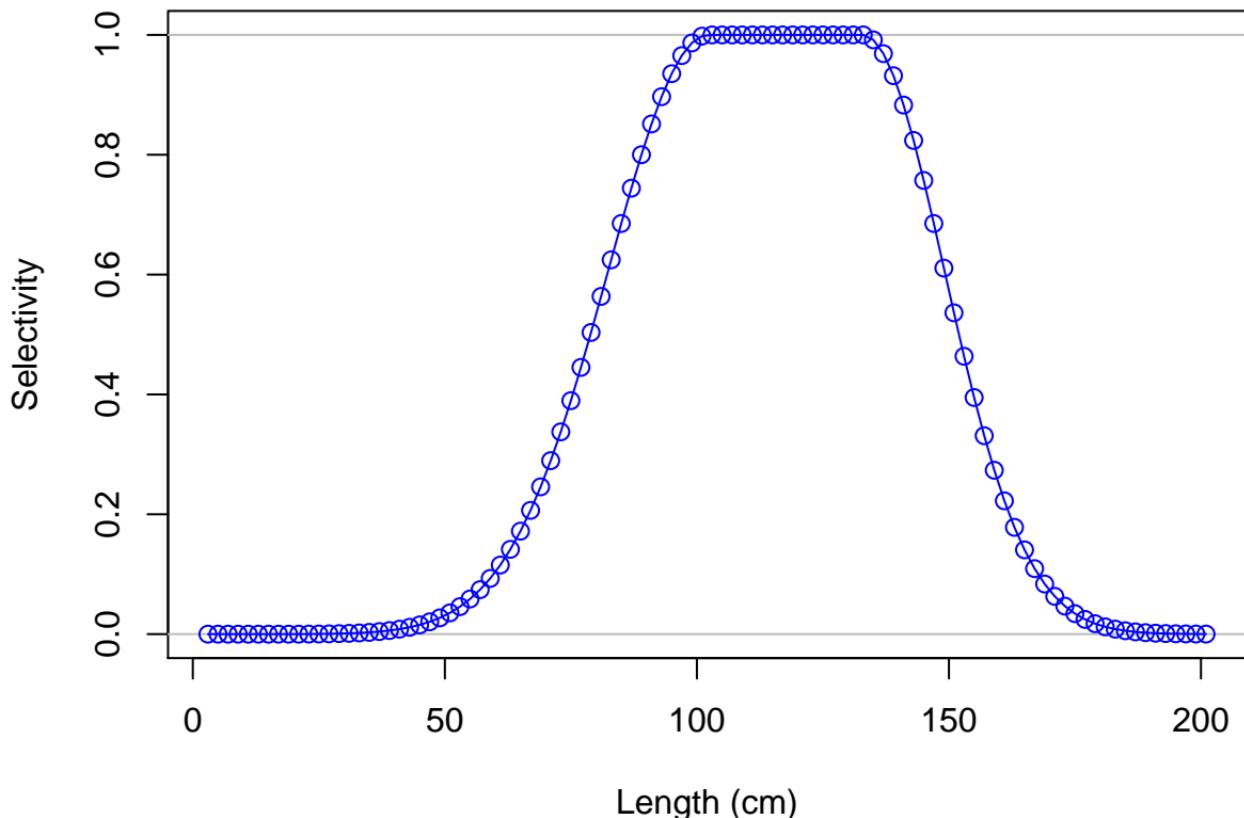
Male time-varying selectivity for F19-DEL_P



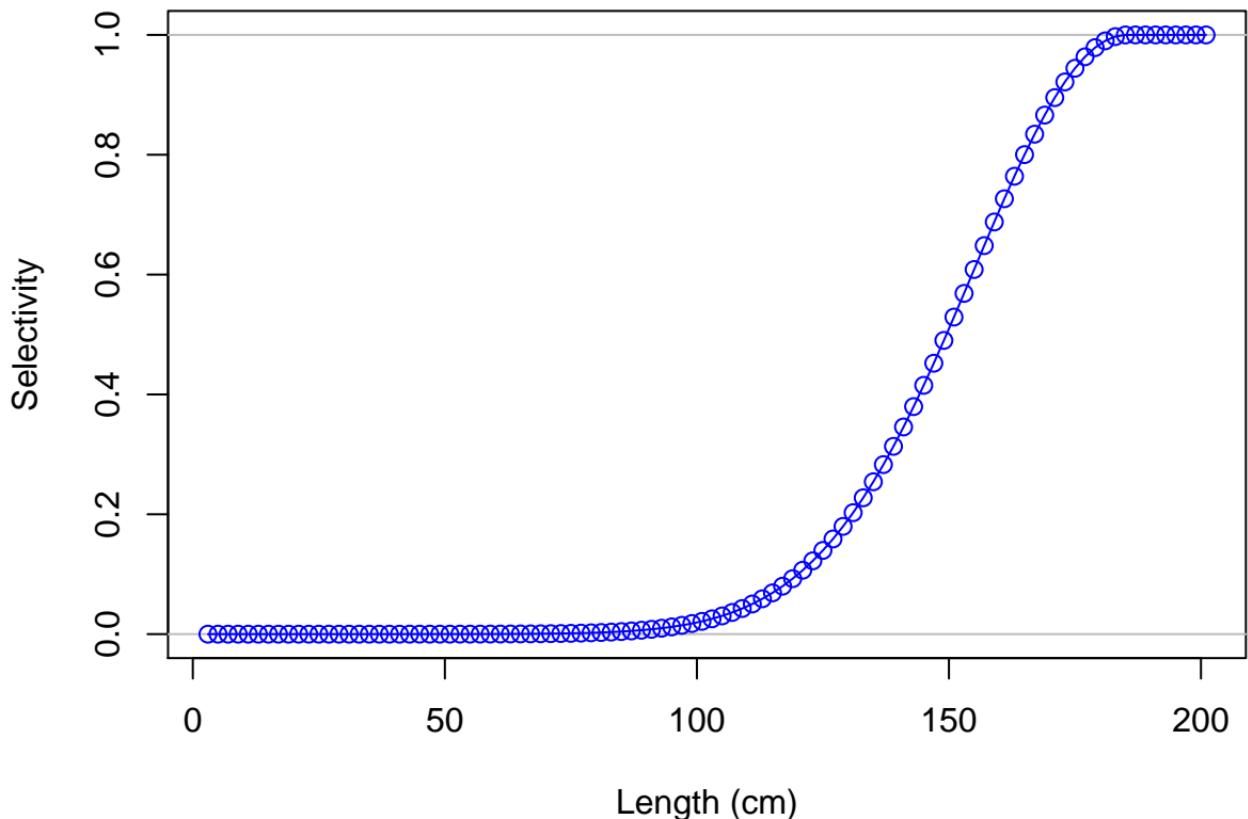
Male time-varying selectivity for F19-DEL_P



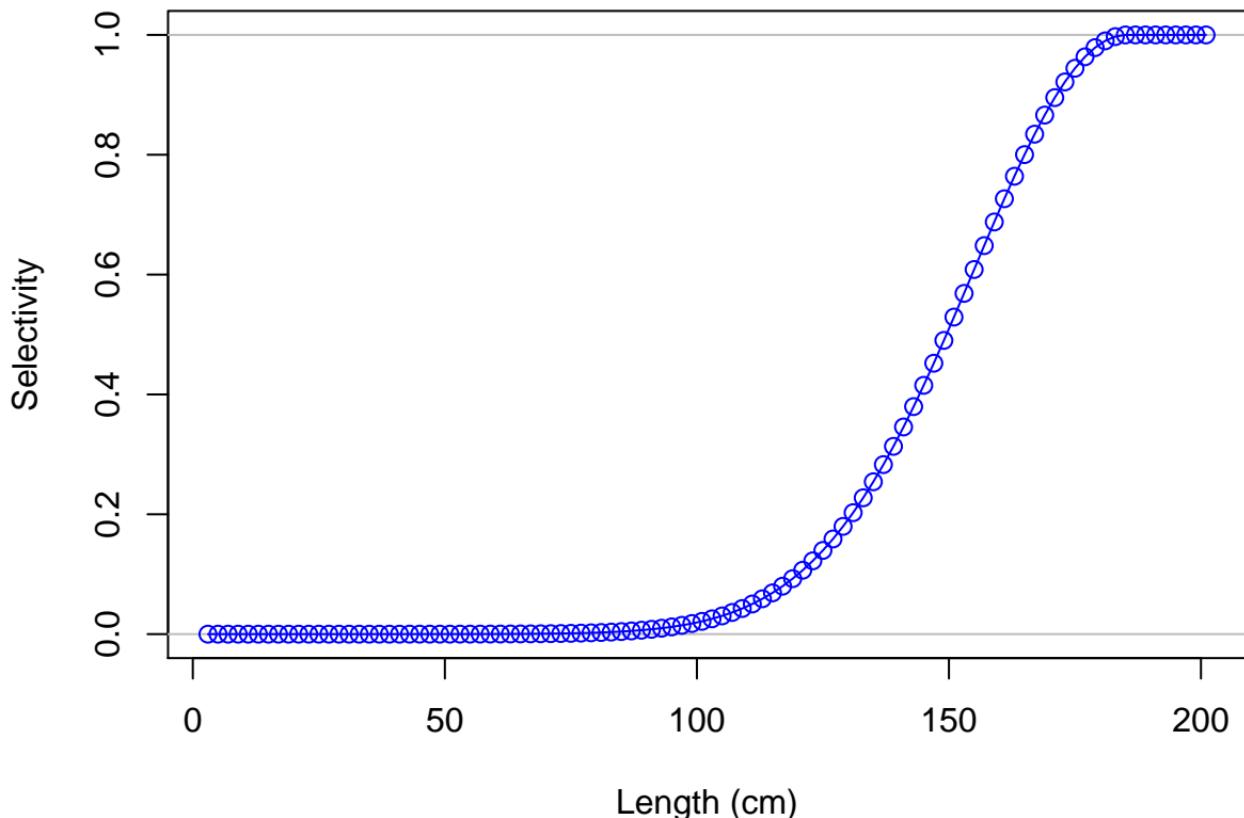
Male ending year selectivity for F19-DEL_P



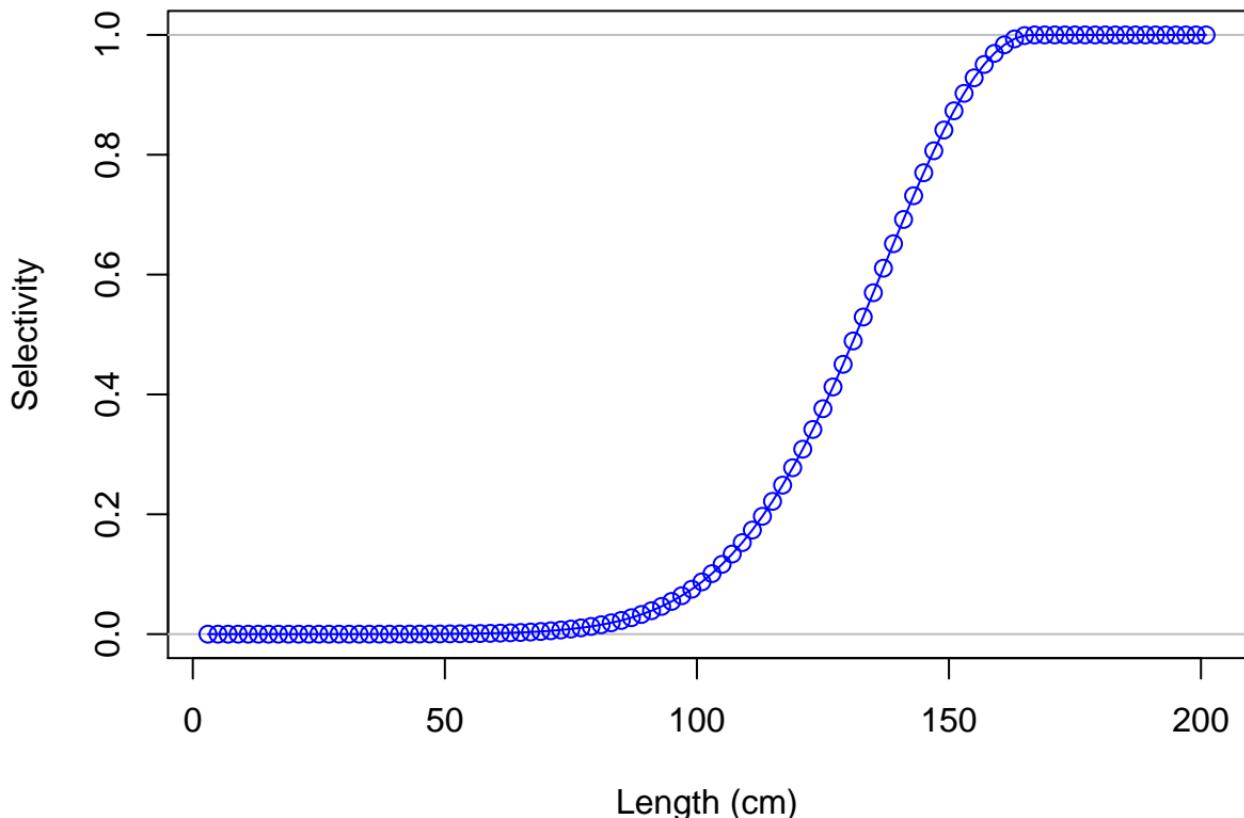
Female ending year selectivity for F20-DEL_S



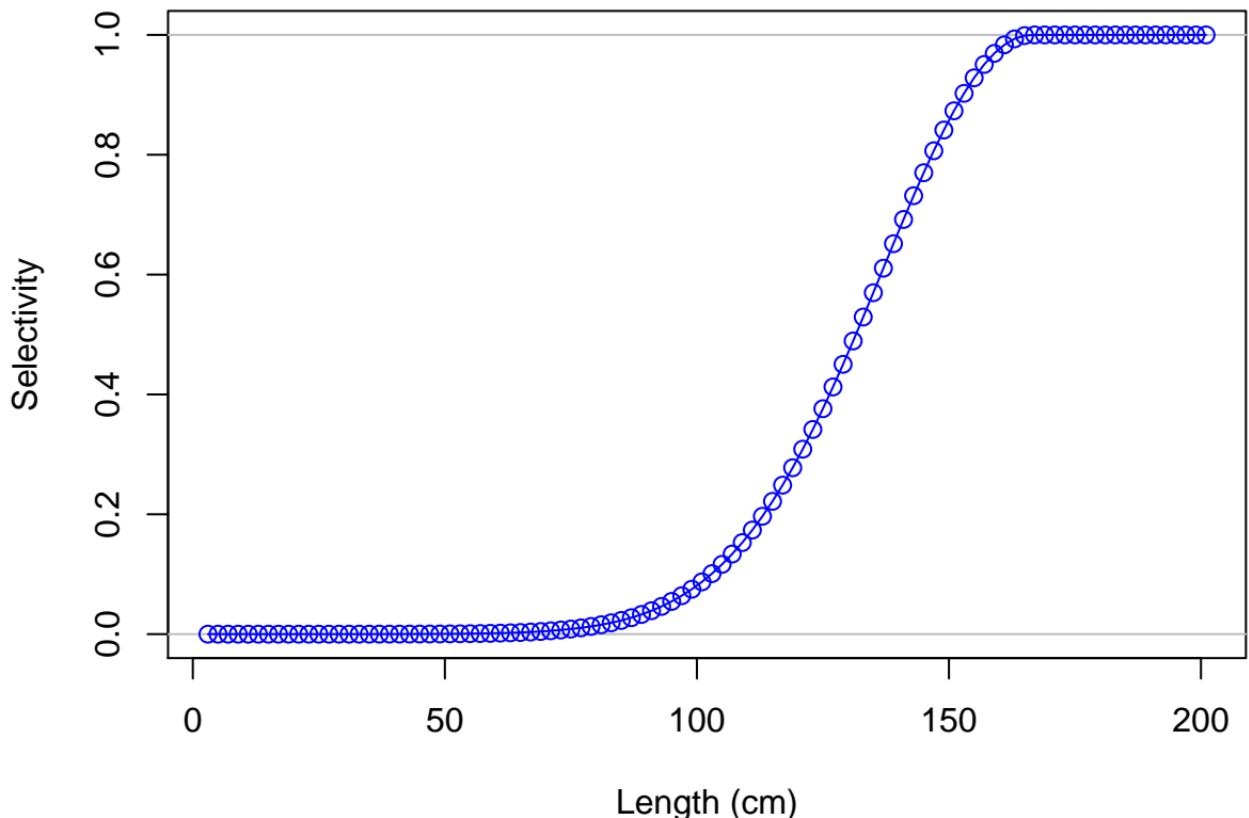
Male ending year selectivity for F20-DEL_S



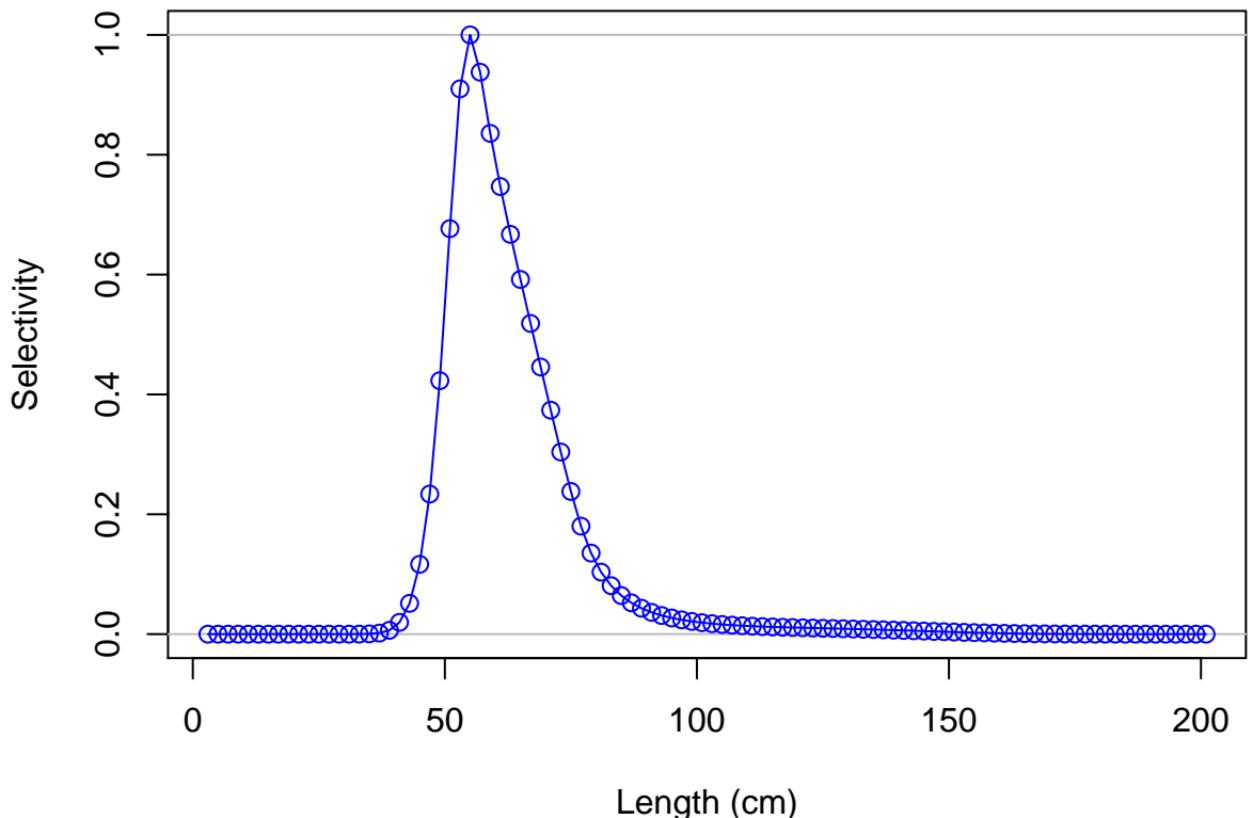
Female ending year selectivity for F21-DEL_I



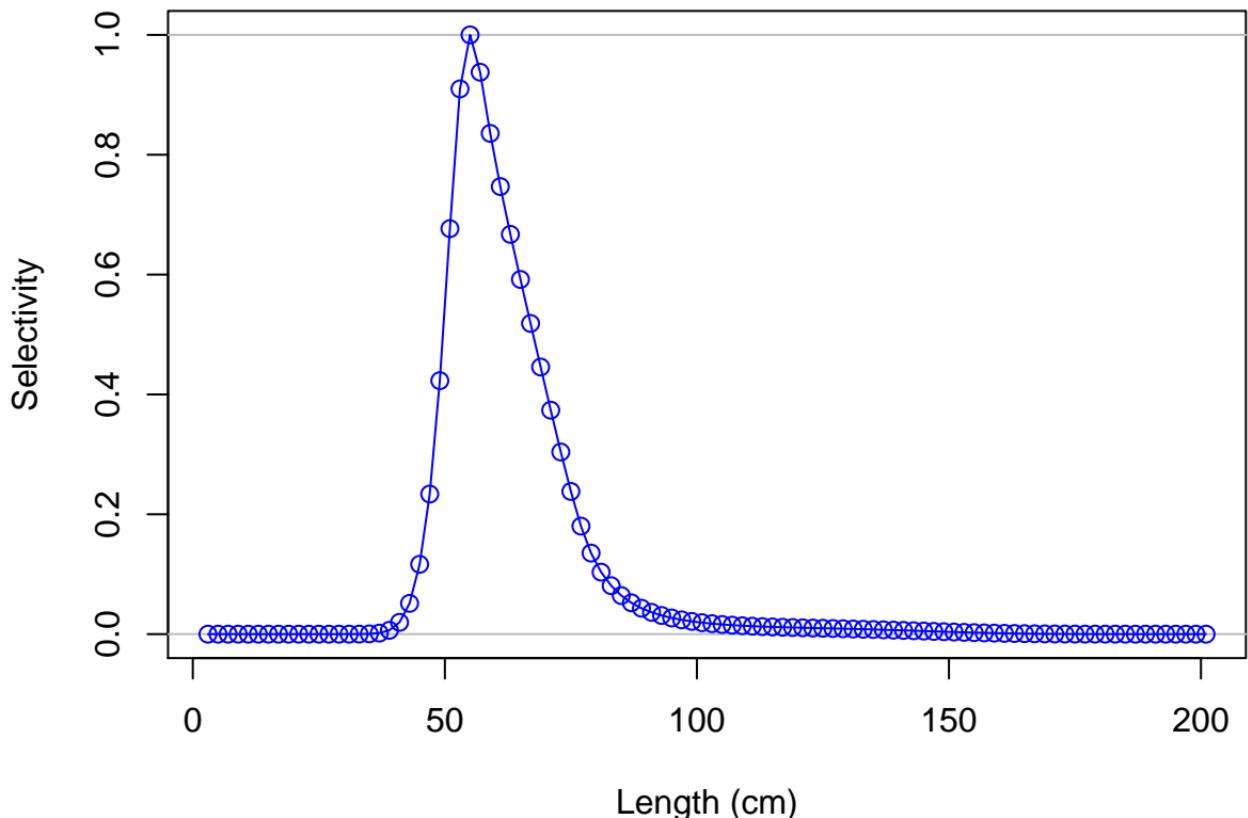
Male ending year selectivity for F21-DEL_I



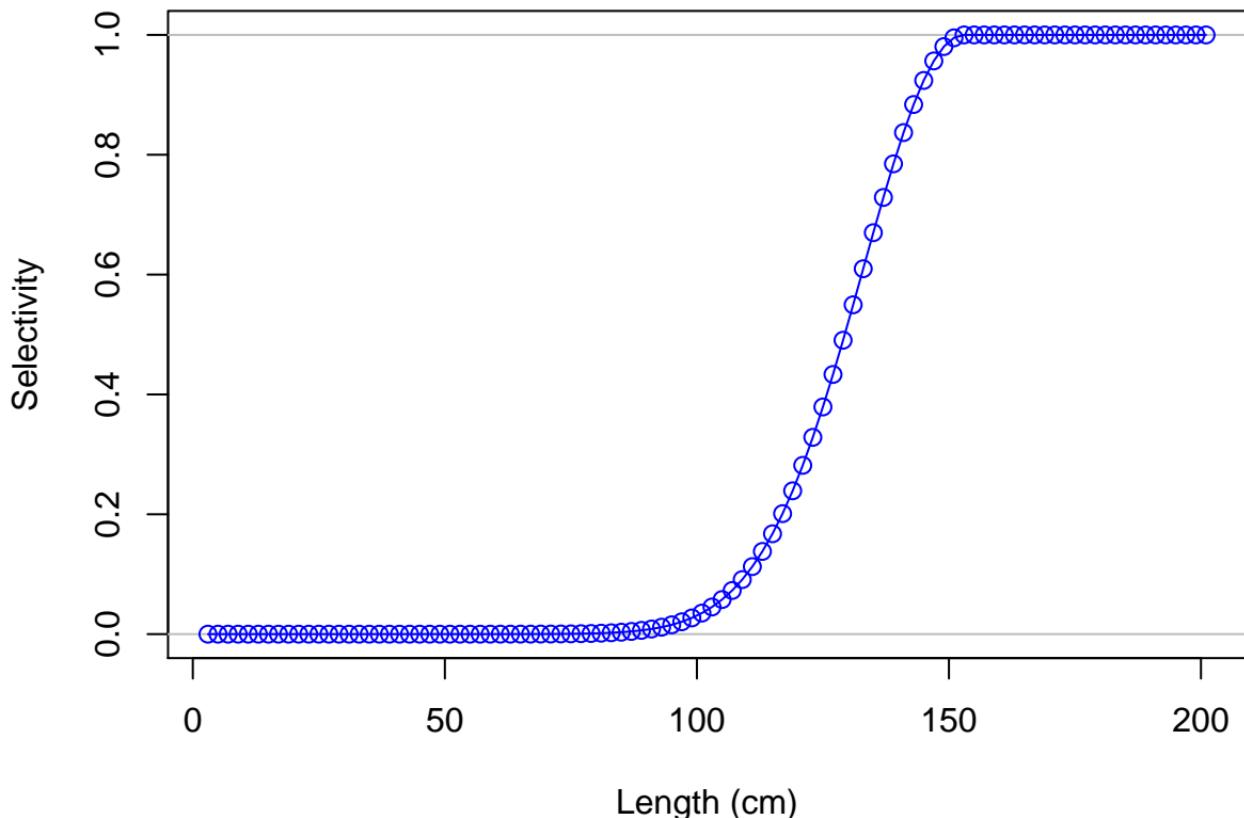
Female ending year selectivity for F22-BB



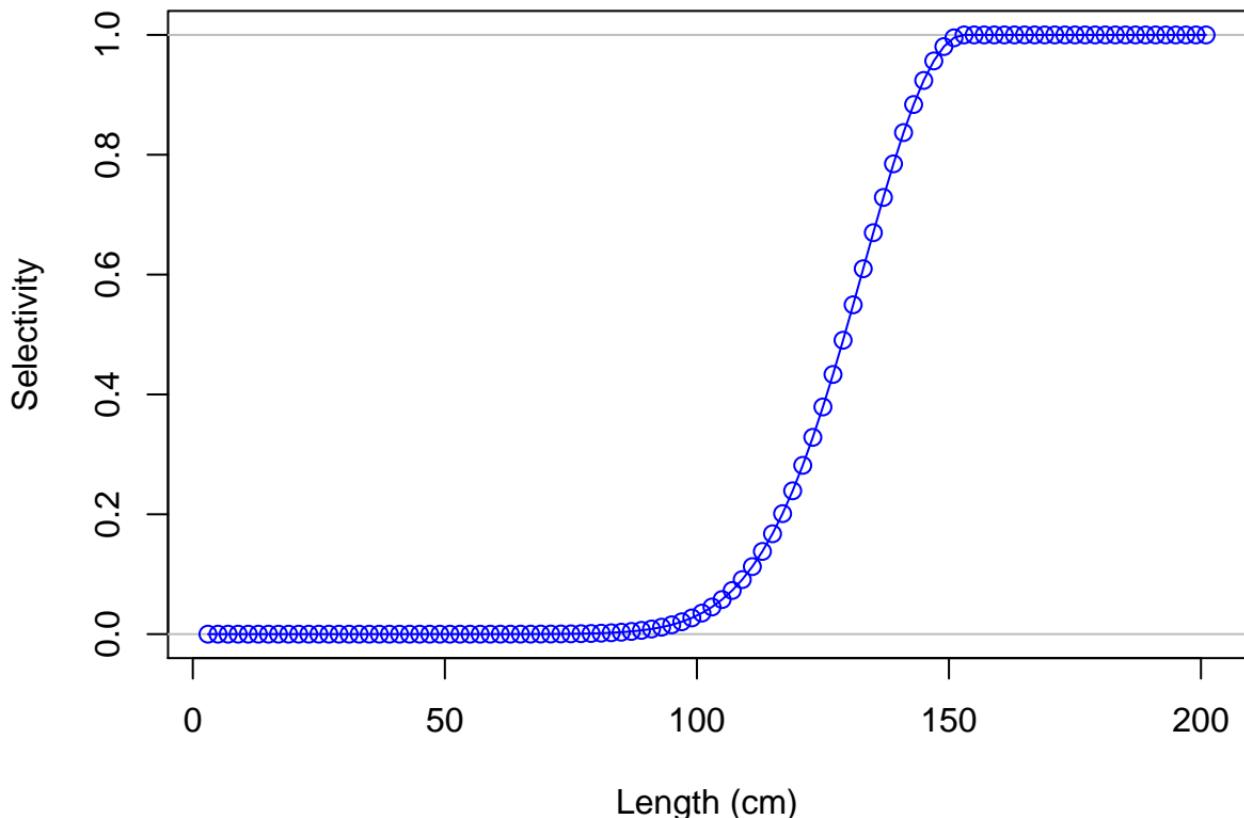
Male ending year selectivity for F22–BB



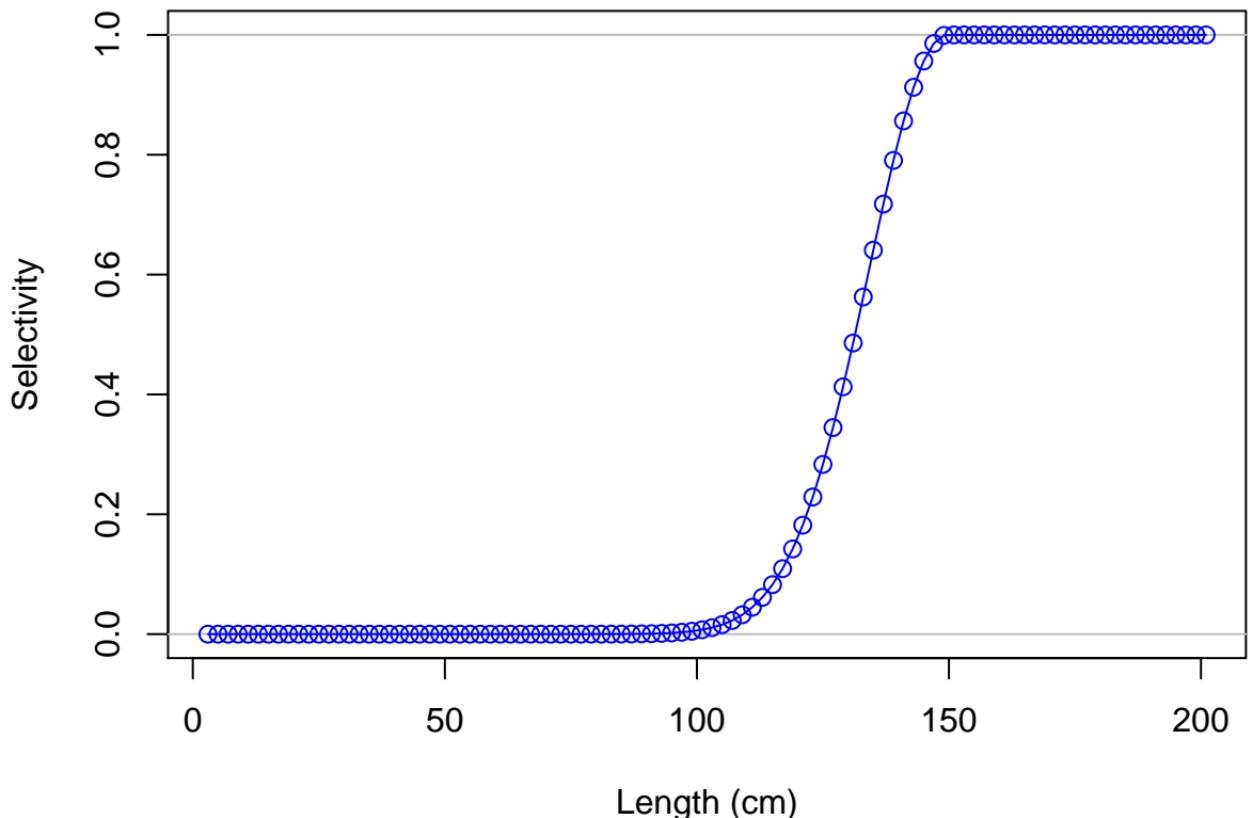
Female ending year selectivity for F29-LL_W_Q14n



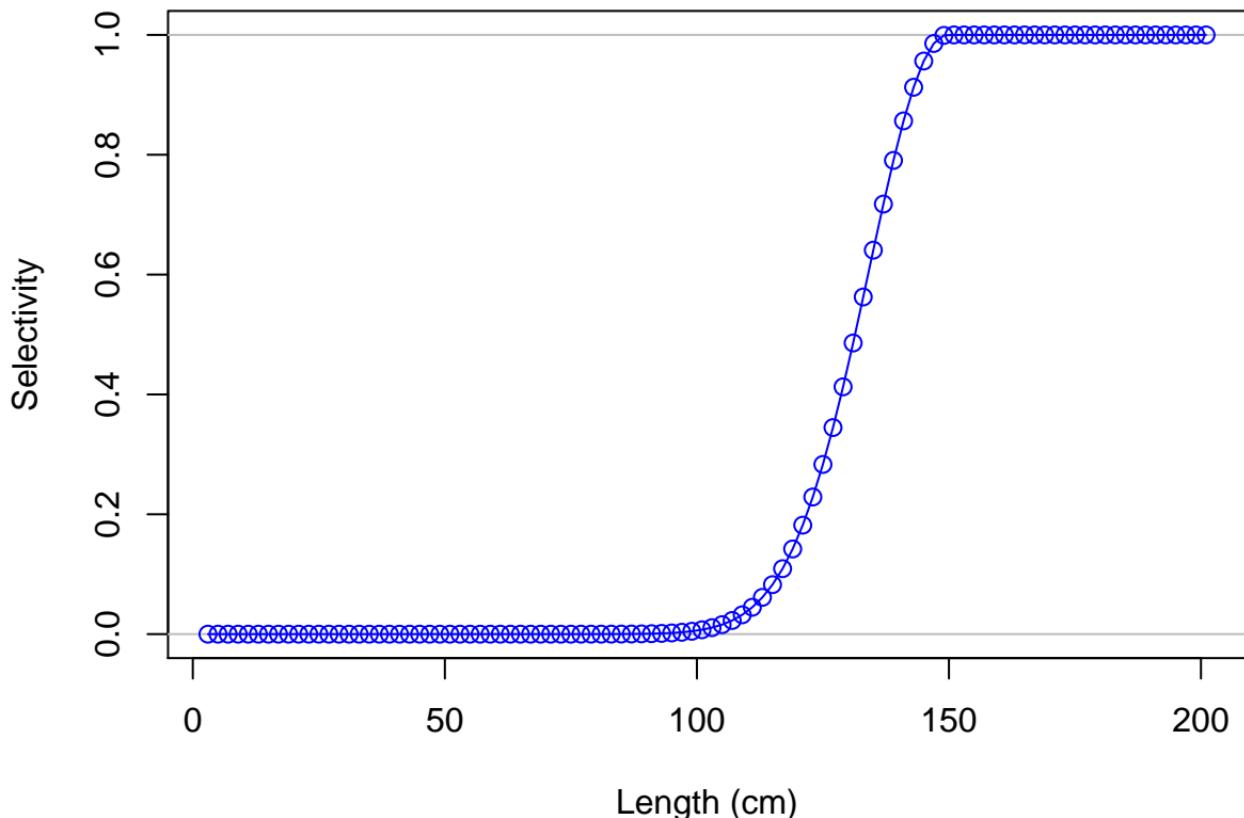
Male ending year selectivity for F29-LL_W_Q14n



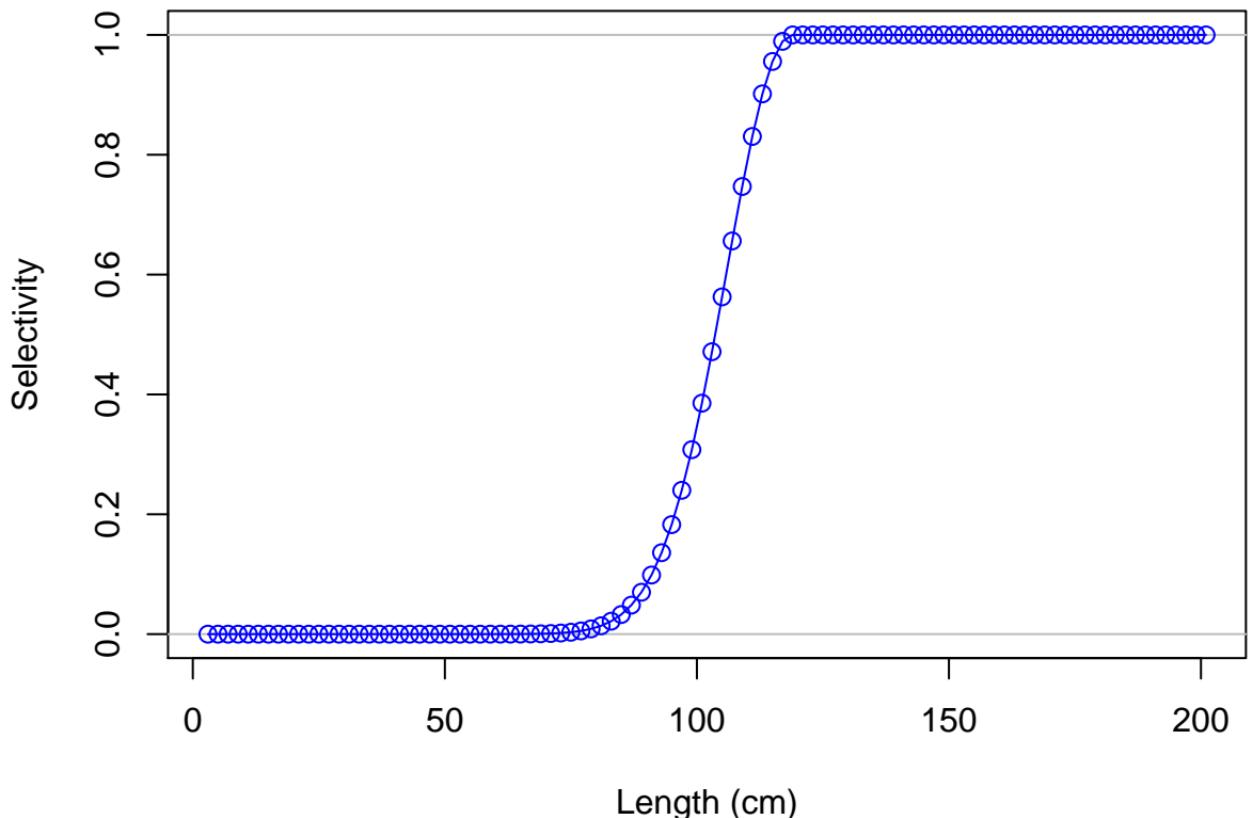
Female ending year selectivity for F30-LL_C_Q14n



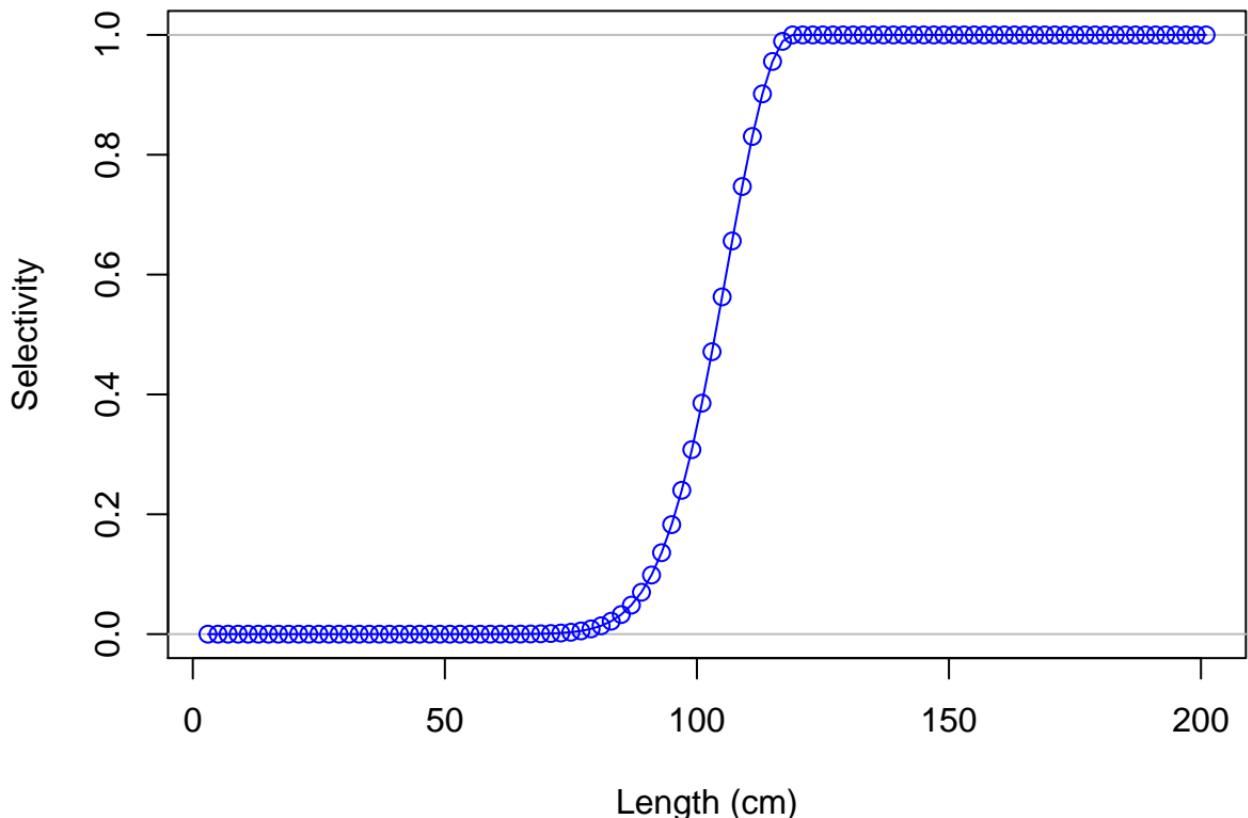
Male ending year selectivity for F30-LL_C_Q14n



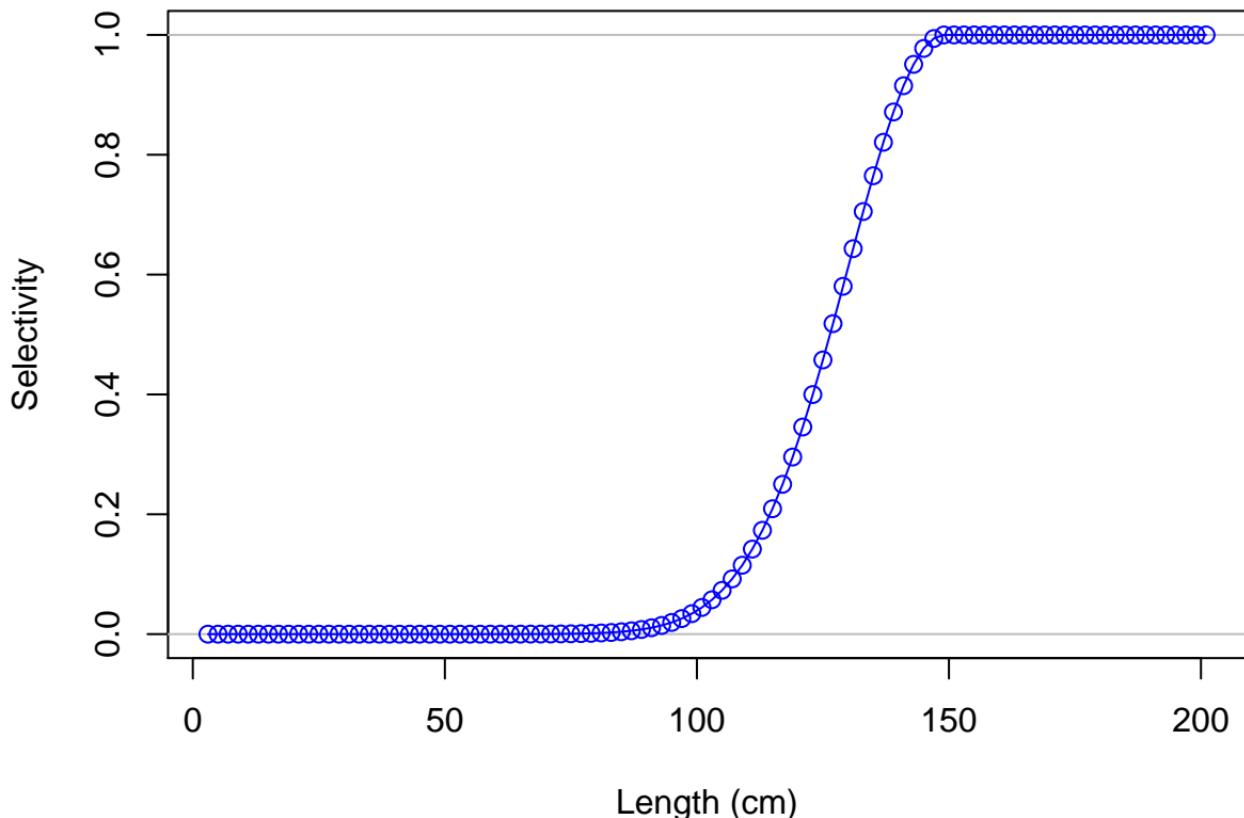
Female ending year selectivity for F31-LL_E_Q14n



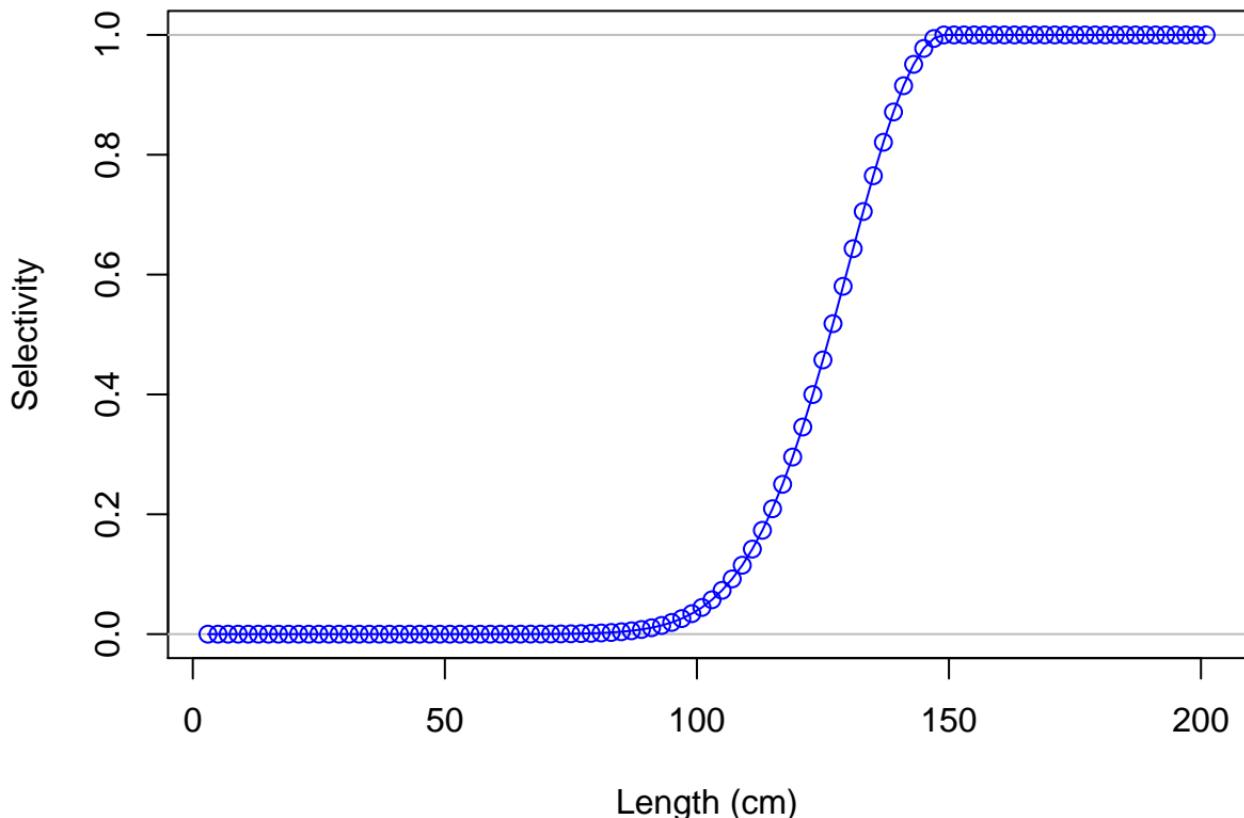
Male ending year selectivity for F31-LL_E_Q14n



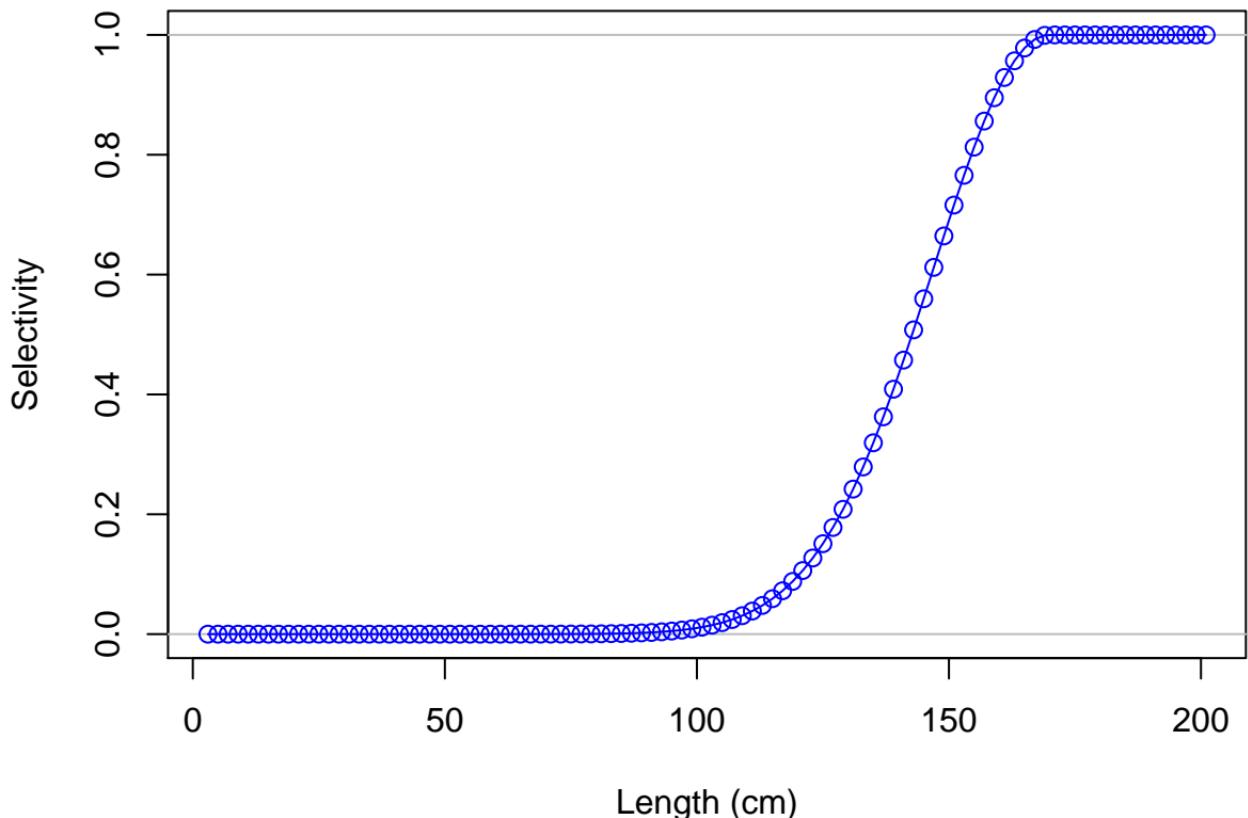
Female ending year selectivity for F32-LL_W_Q23n



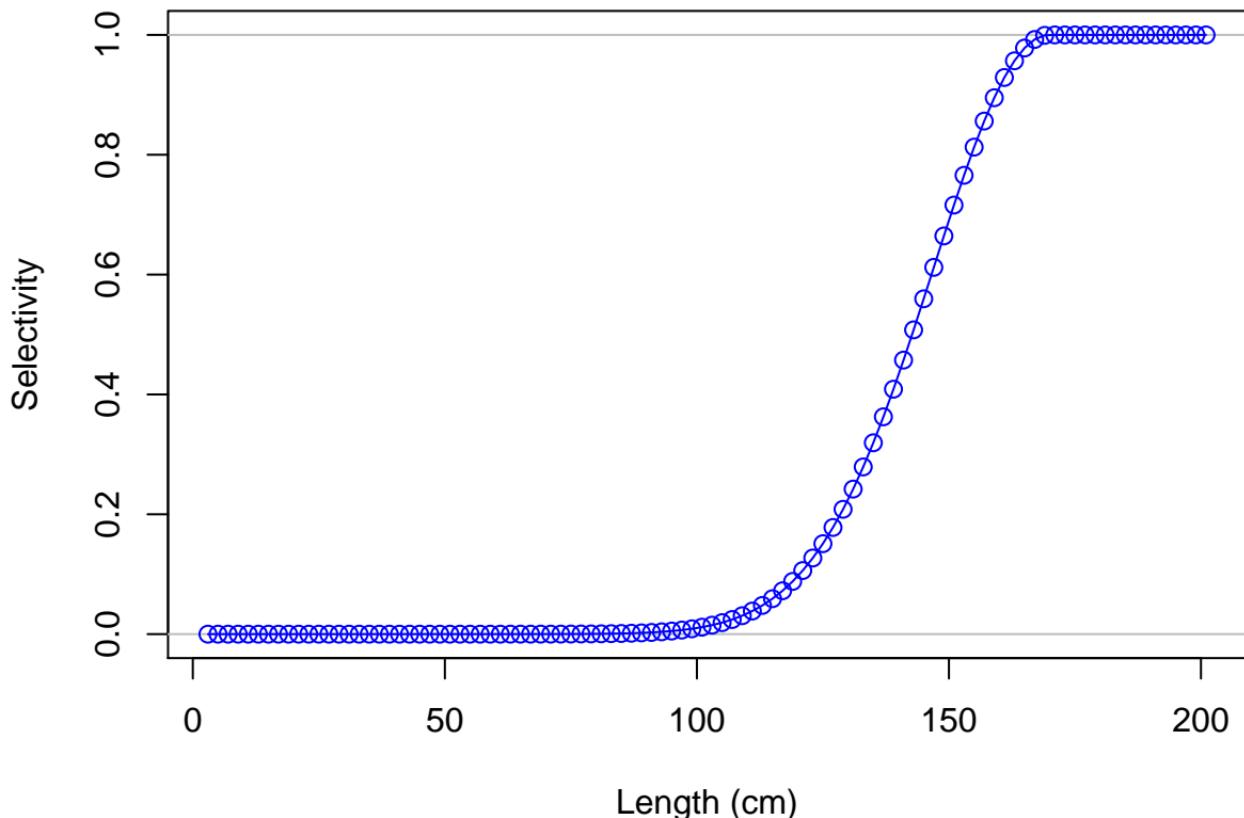
Male ending year selectivity for F32-LL_W_Q23n



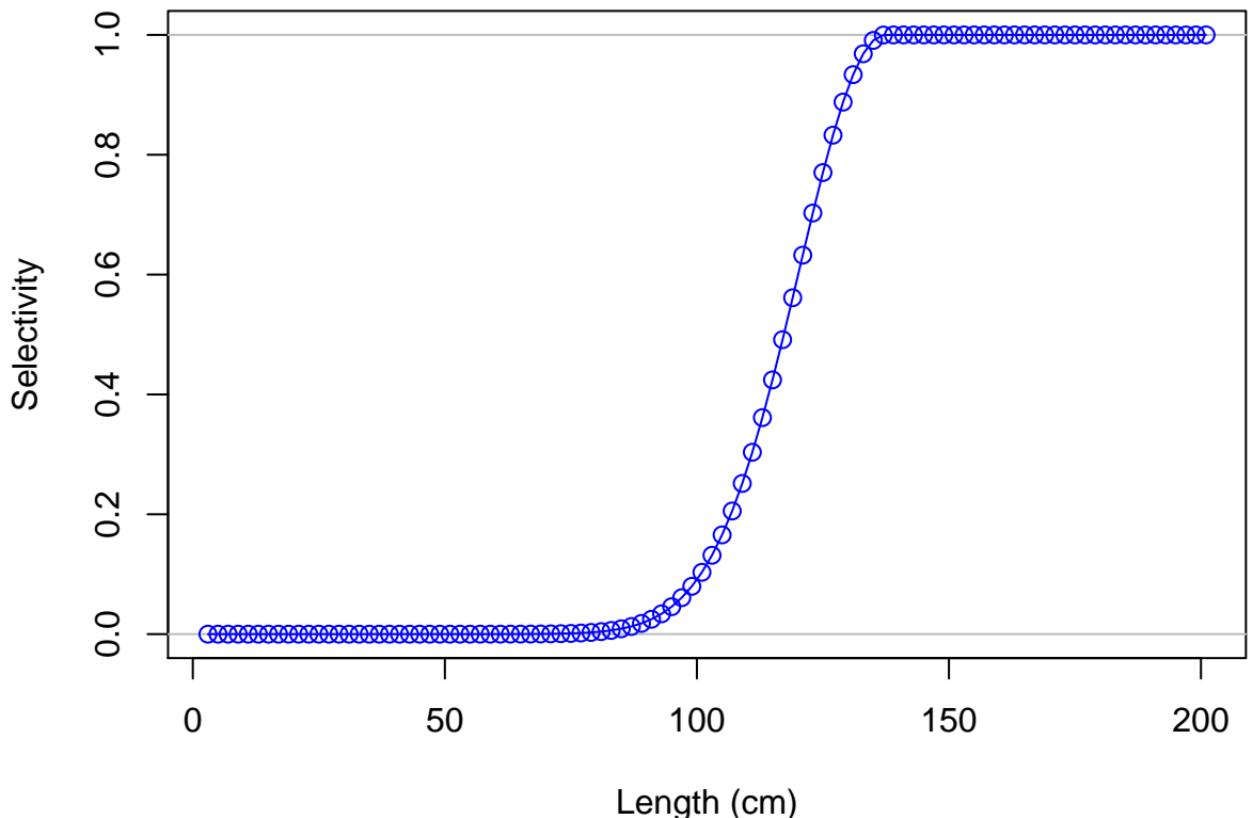
Female ending year selectivity for F33-LL_C_Q23n



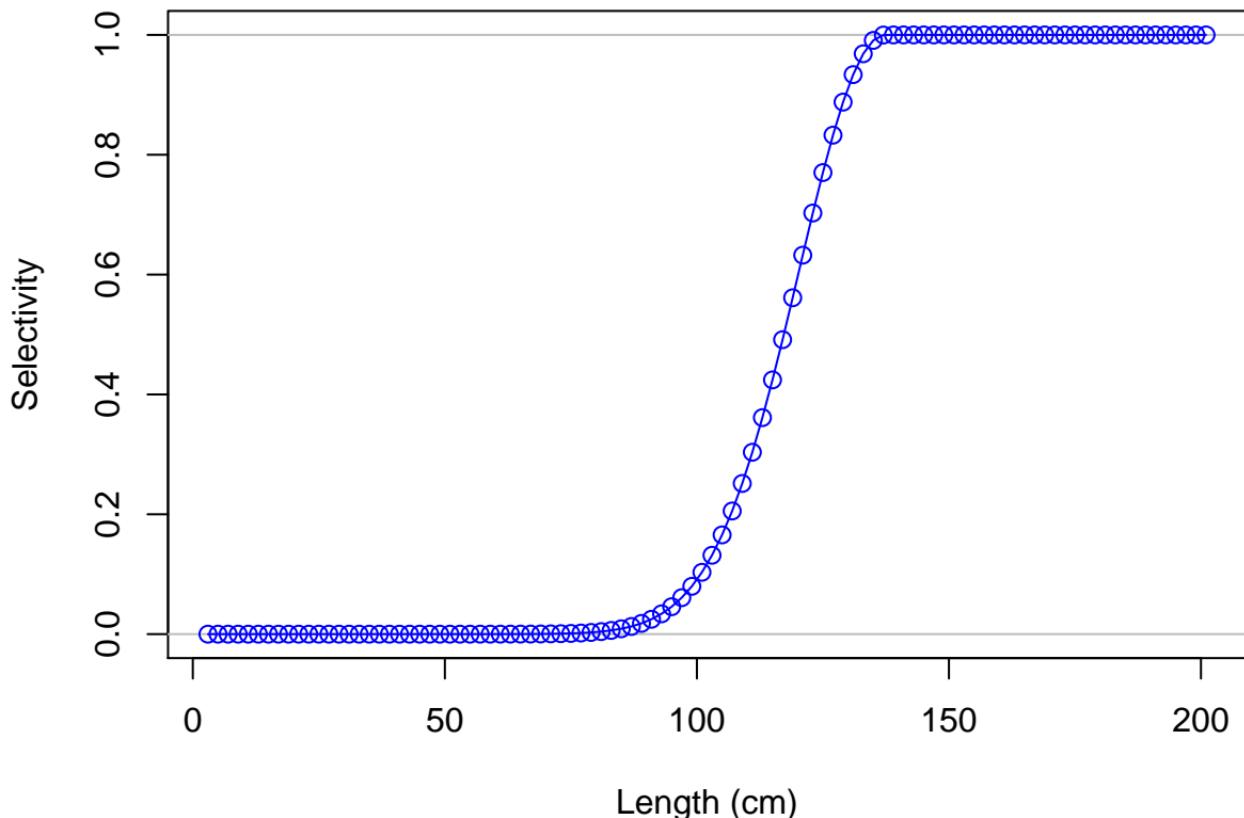
Male ending year selectivity for F33-LL_C_Q23n



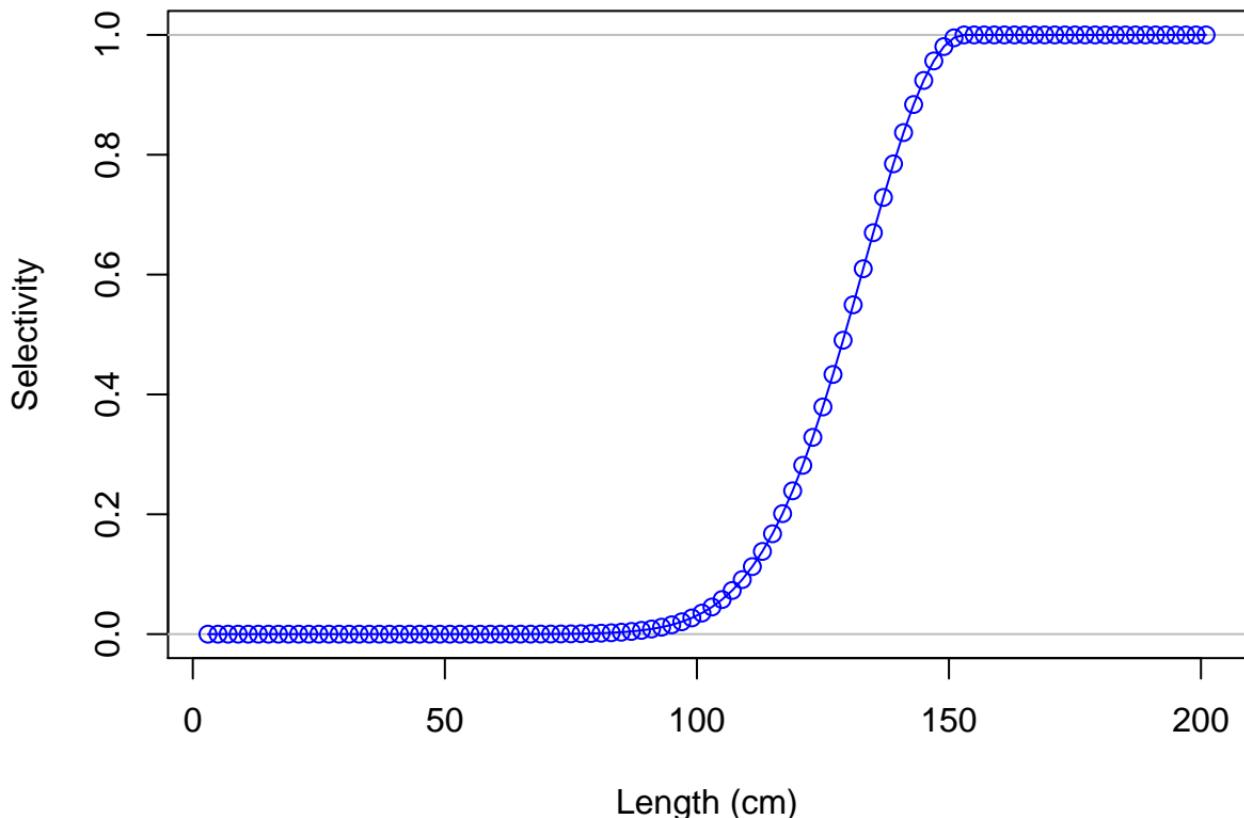
Female ending year selectivity for F34-LL_E_Q23n



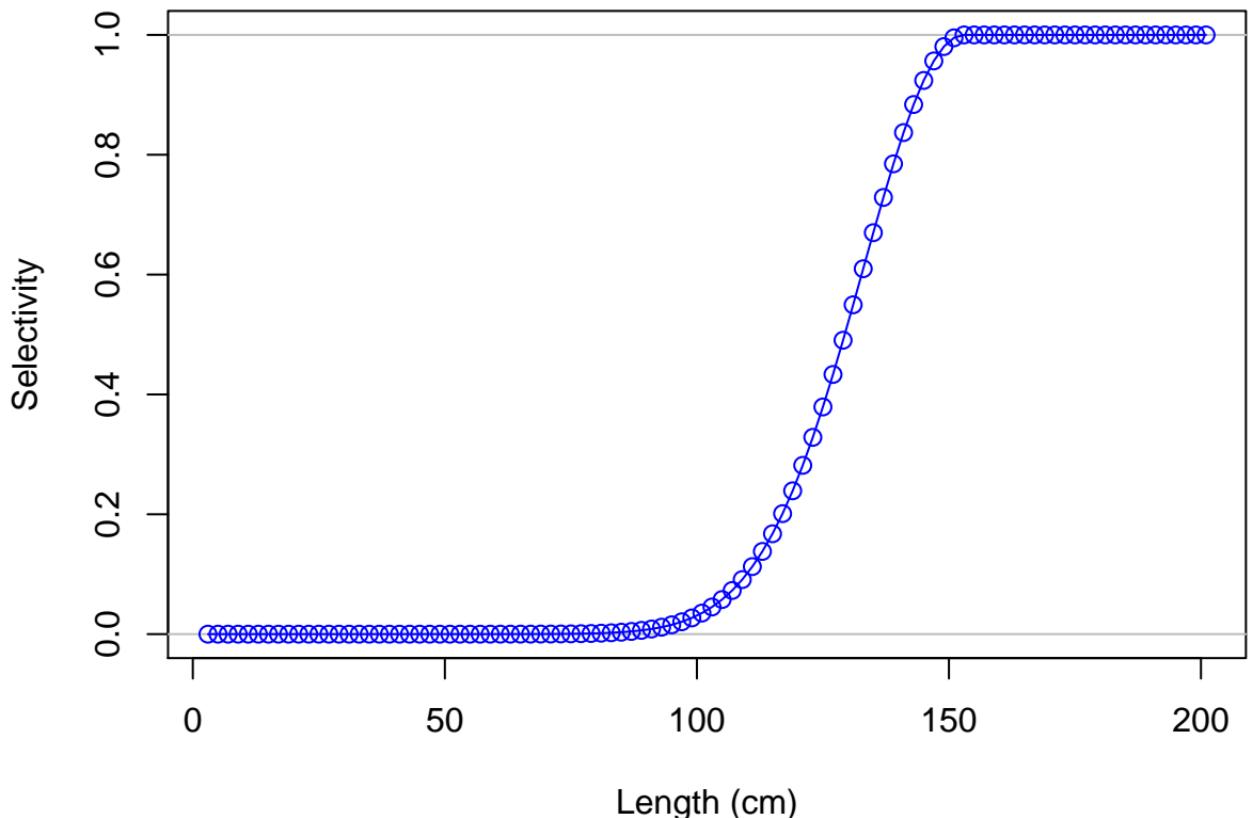
Male ending year selectivity for F34-LL_E_Q23n



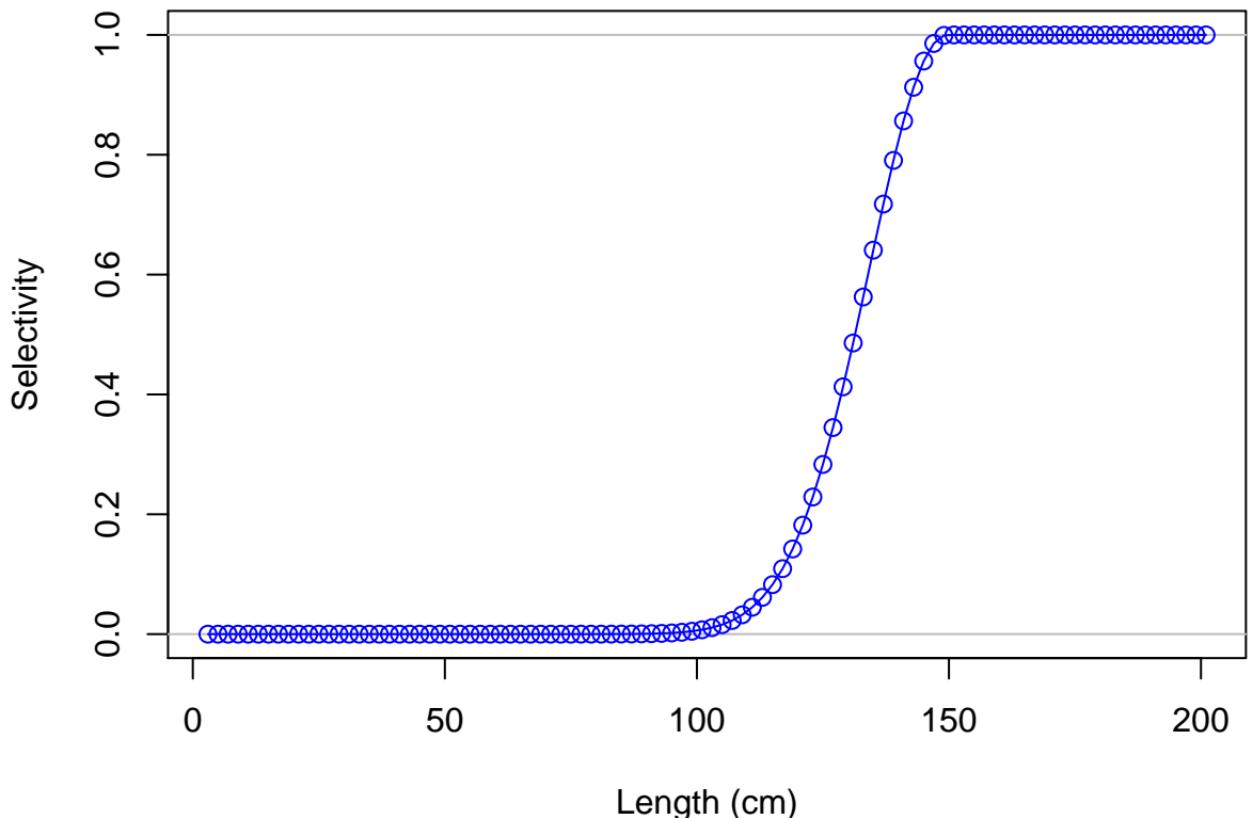
Female ending year selectivity for F35-LL_W_Q14w



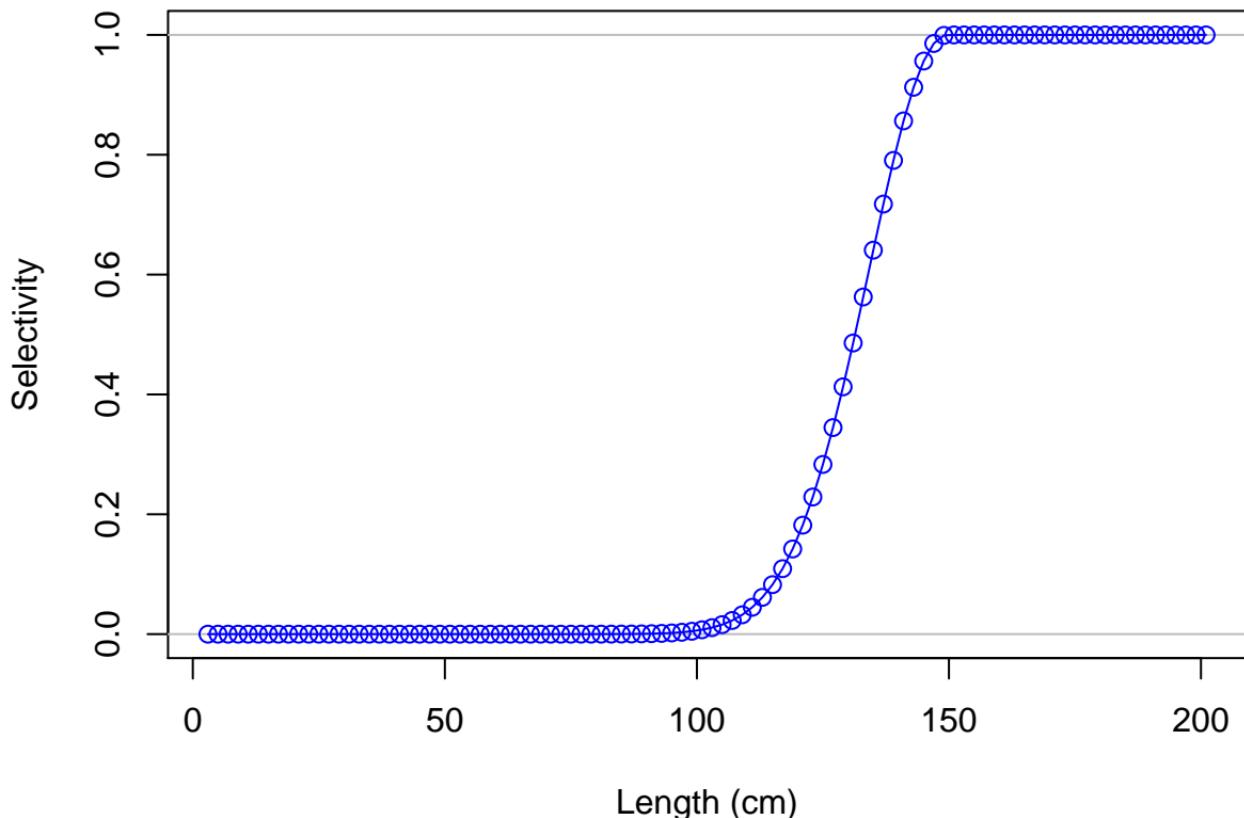
Male ending year selectivity for F35-LL_W_Q14w



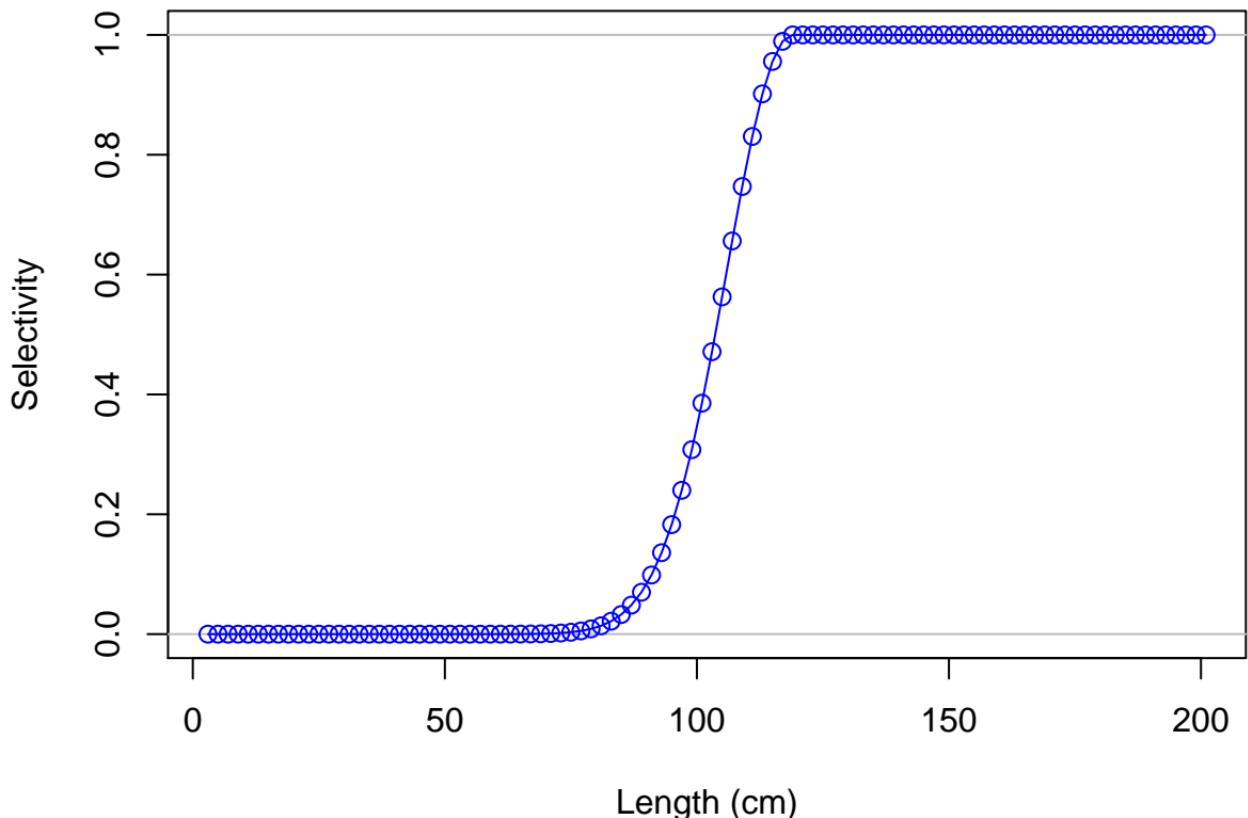
Female ending year selectivity for F36-LL_C_Q14w



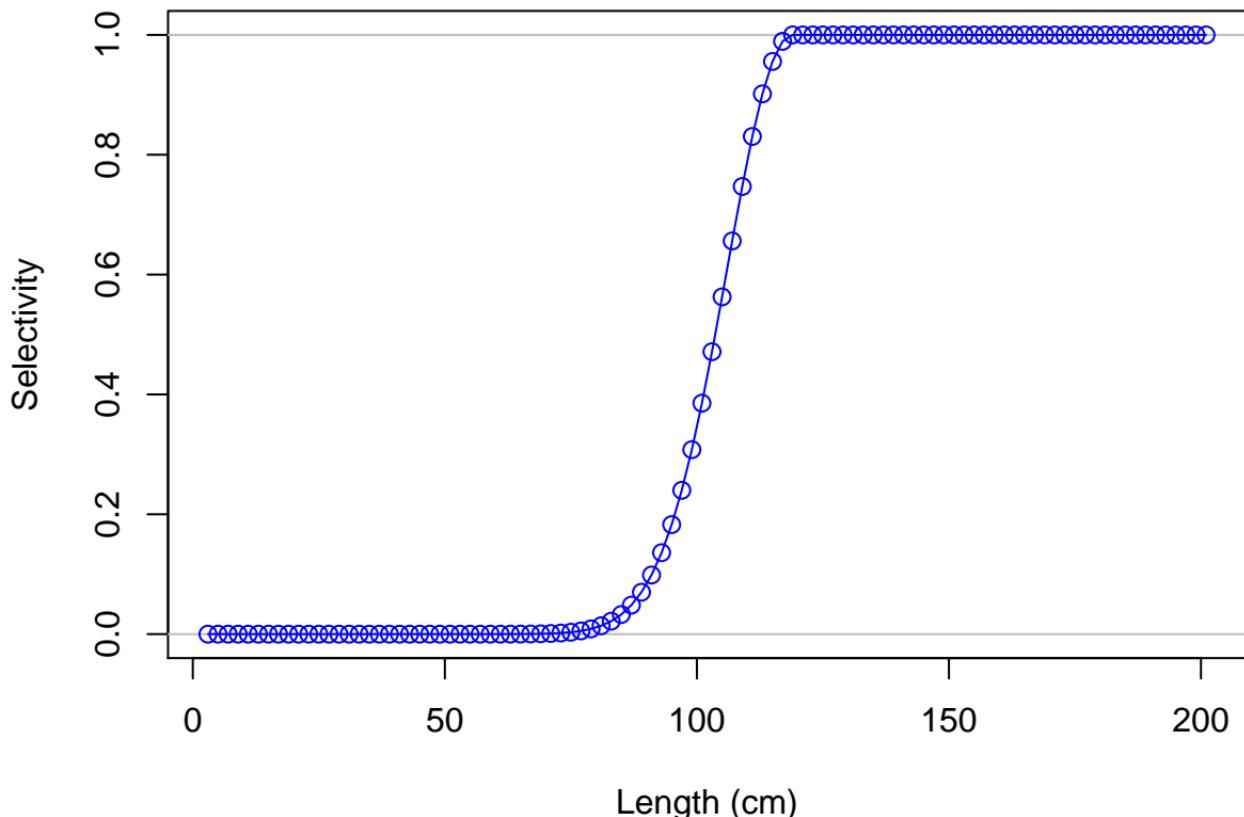
Male ending year selectivity for F36-LL_C_Q14w



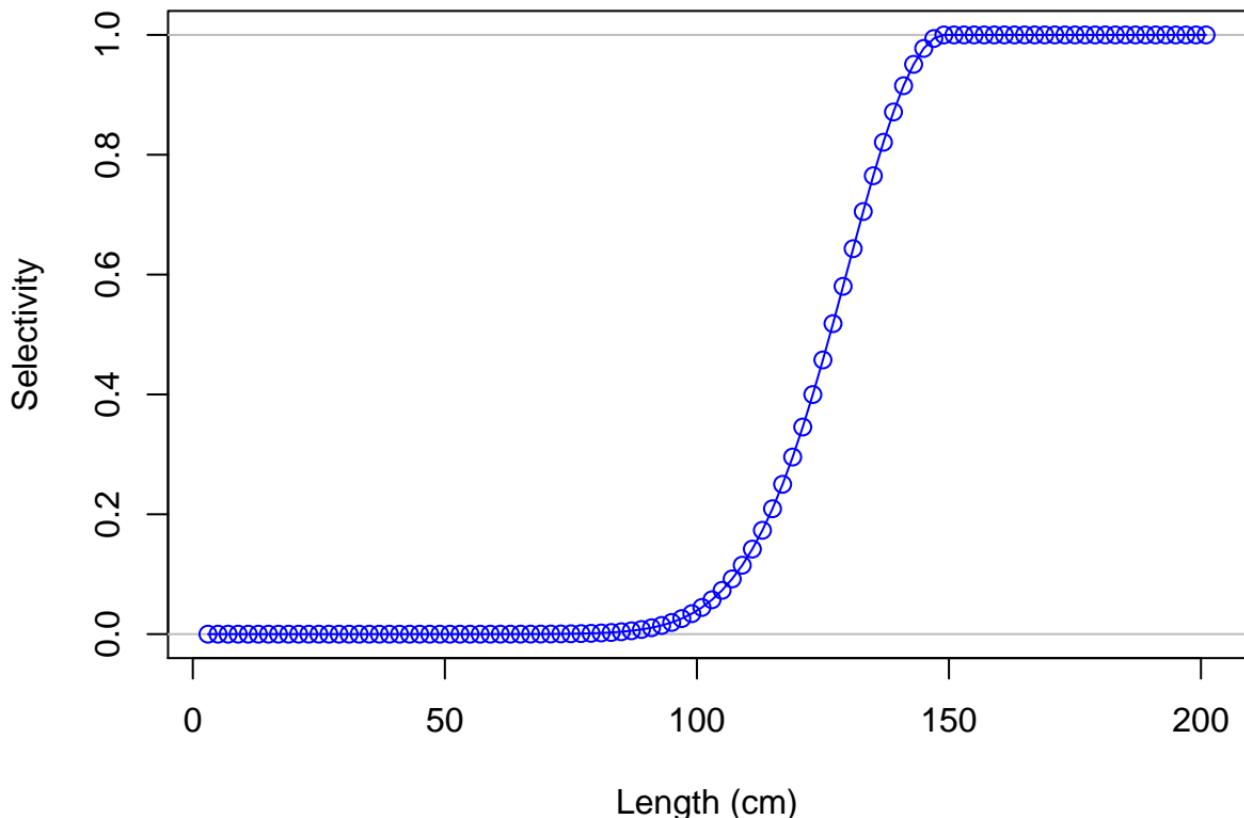
Female ending year selectivity for F37-LL_E_Q14w



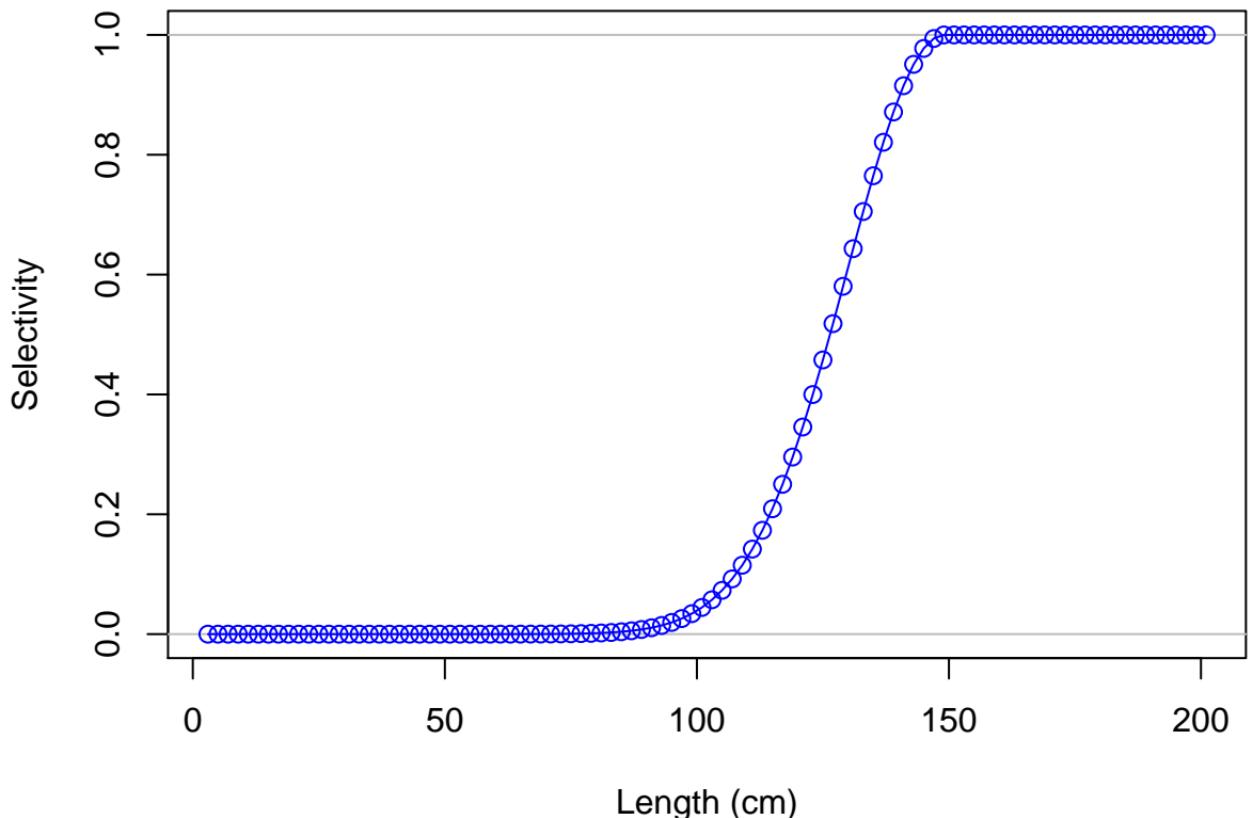
Male ending year selectivity for F37-LL_E_Q14w



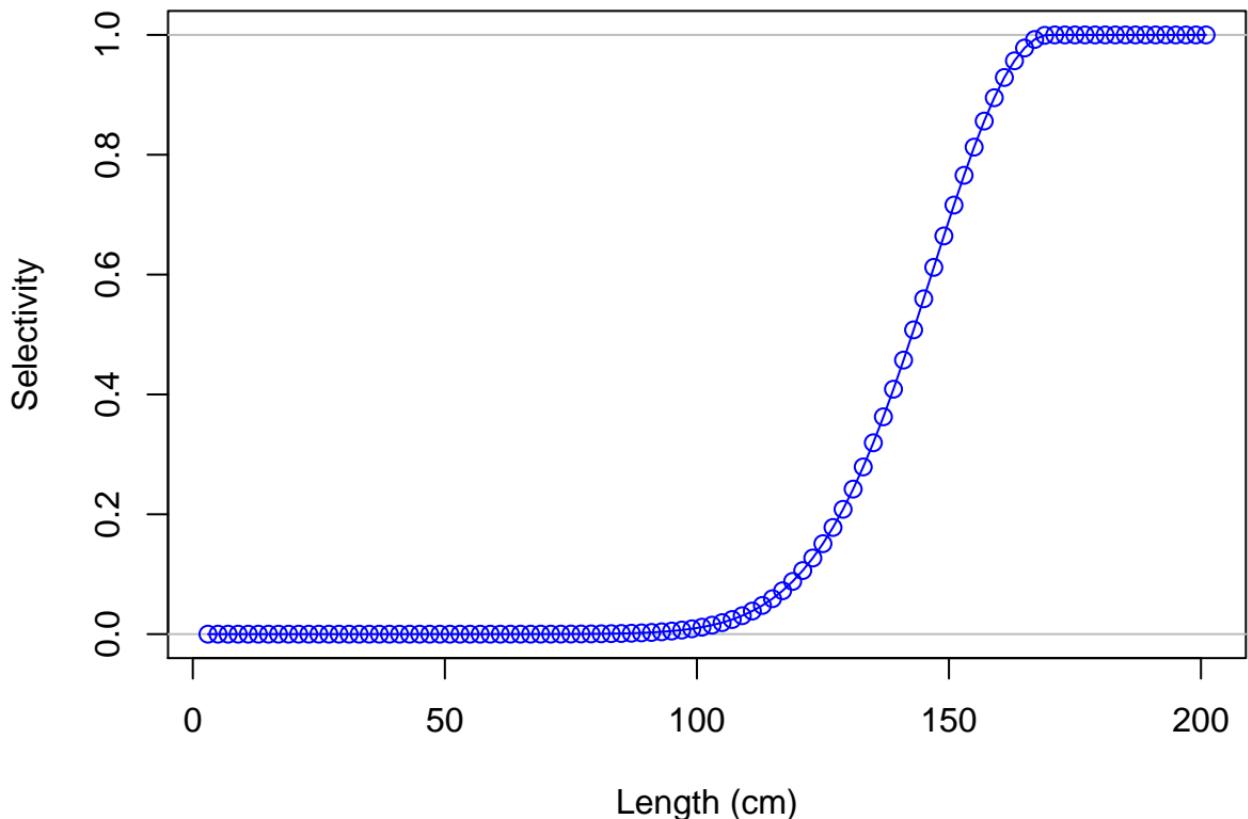
Female ending year selectivity for F38-LL_W_Q23w



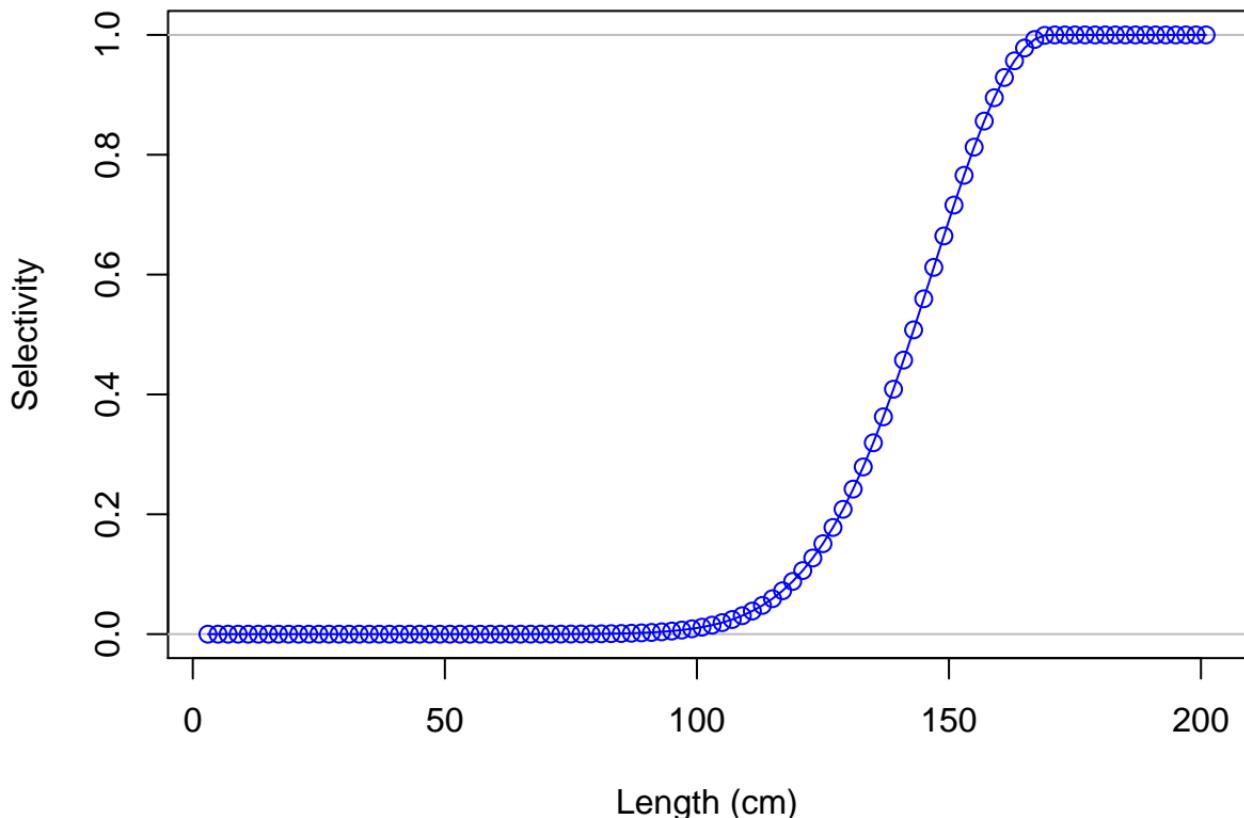
Male ending year selectivity for F38-LL_W_Q23w



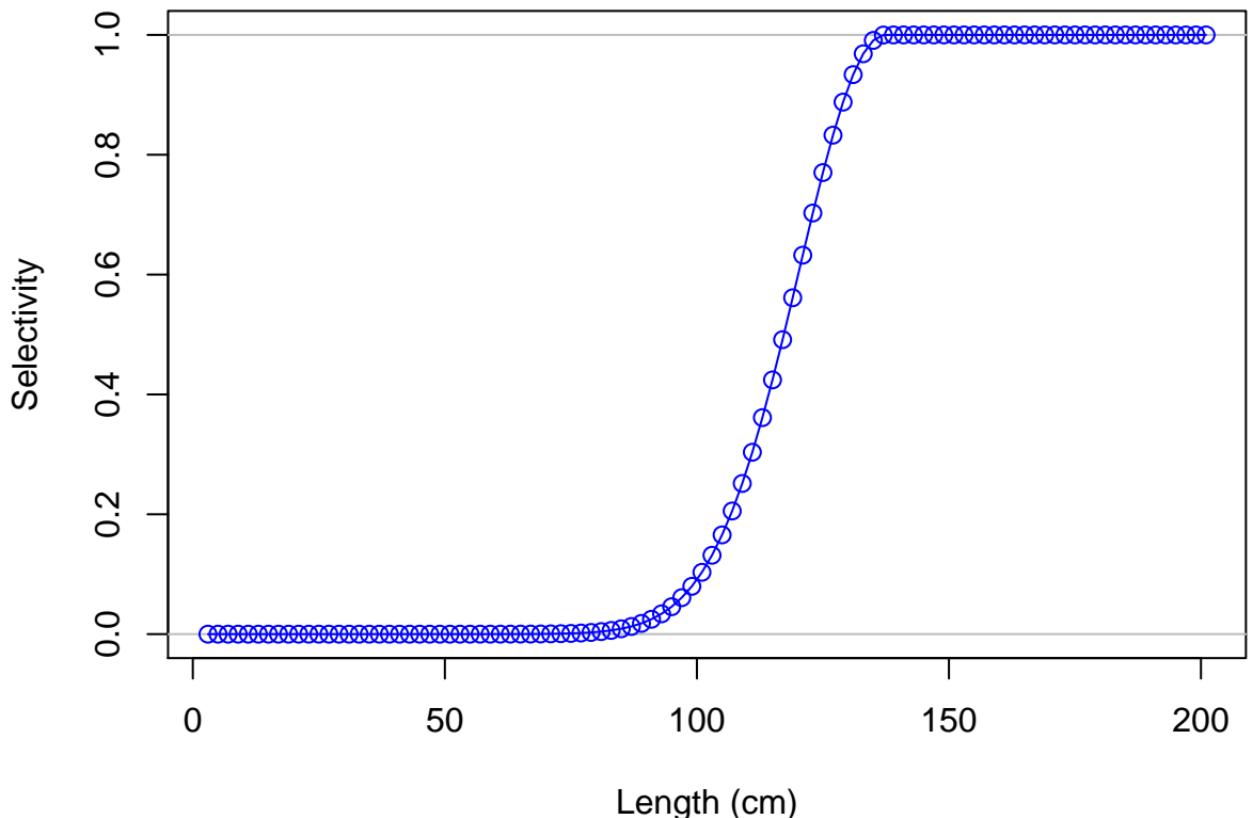
Female ending year selectivity for F39-LL_C_Q23w



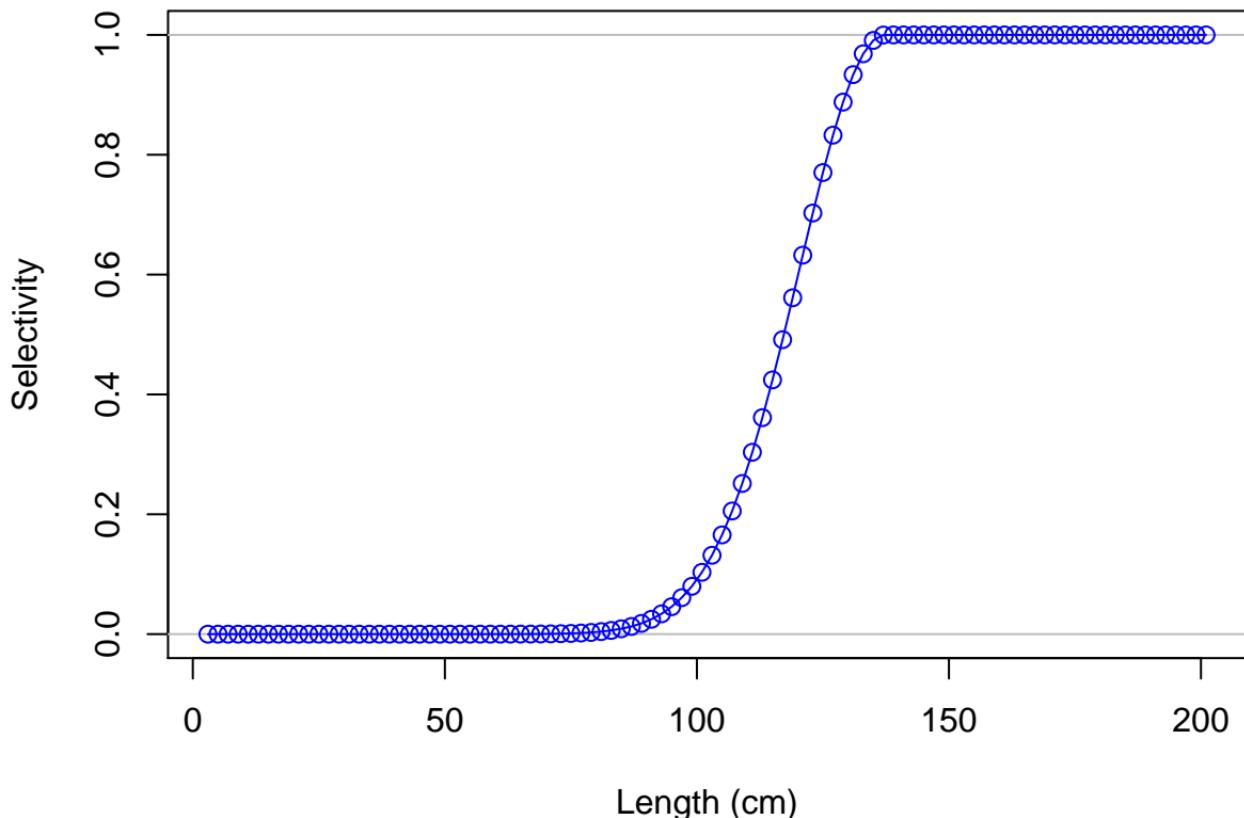
Male ending year selectivity for F39-LL_C_Q23w



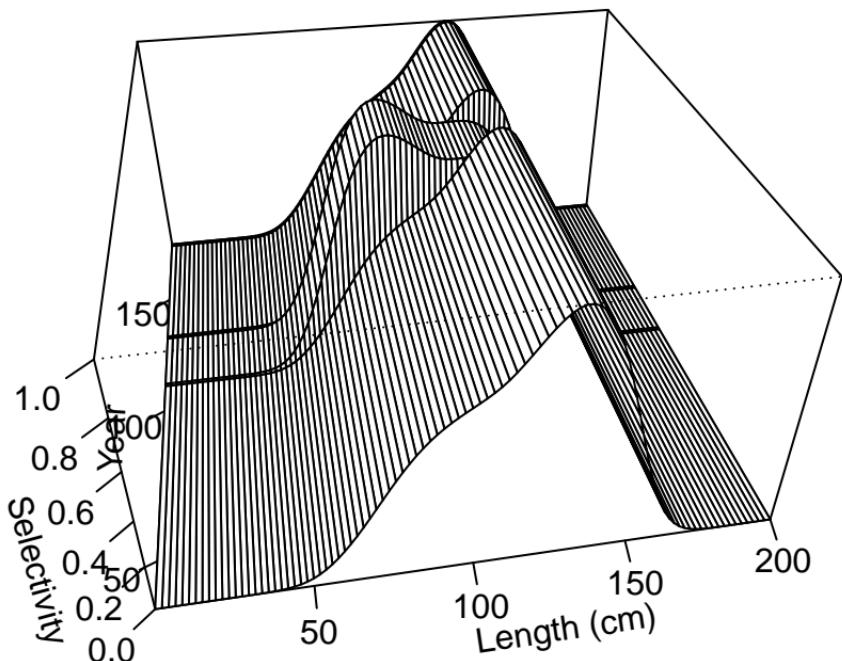
Female ending year selectivity for F40-LL_E_Q23w



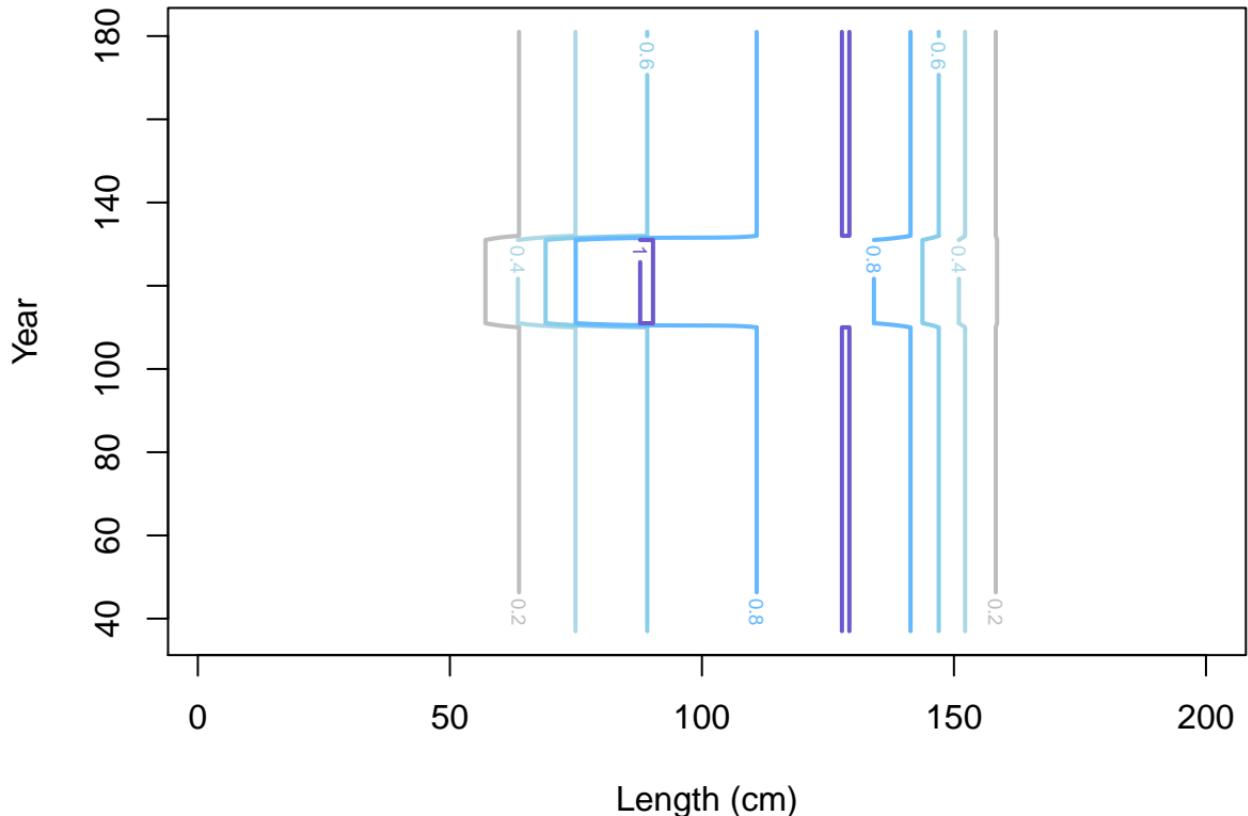
Male ending year selectivity for F40-LL_E_Q23w



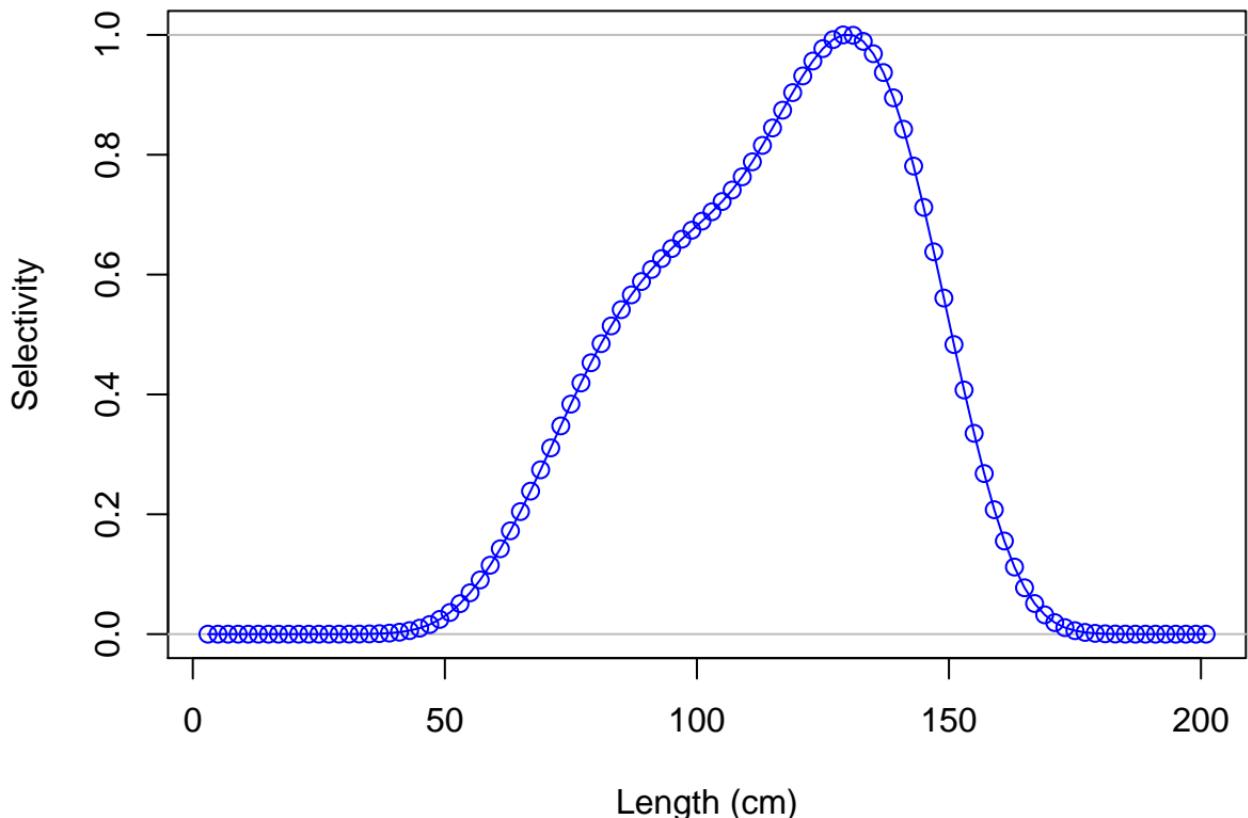
Female time-varying selectivity for S1-PS_DEL_VAST



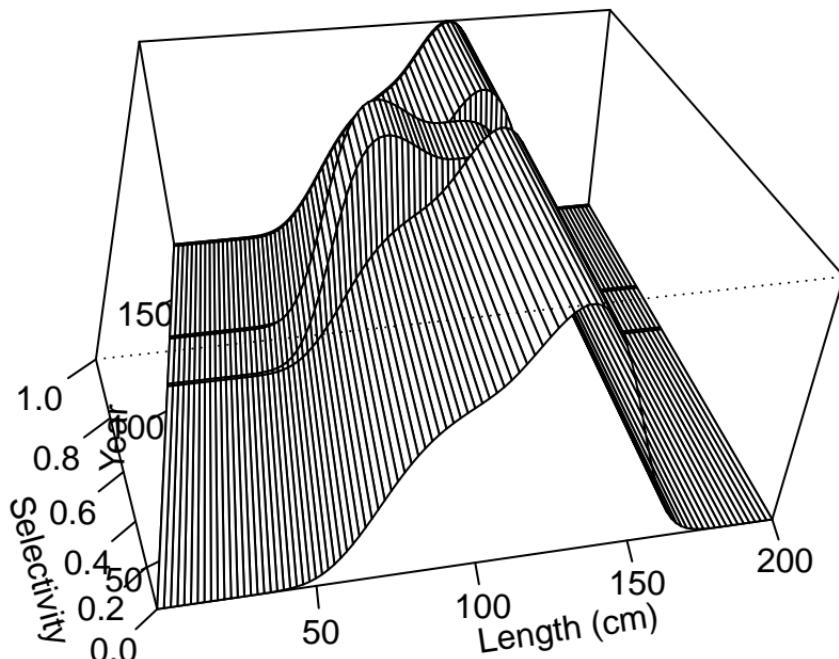
Female time-varying selectivity for S1-PS_DEL_VAST



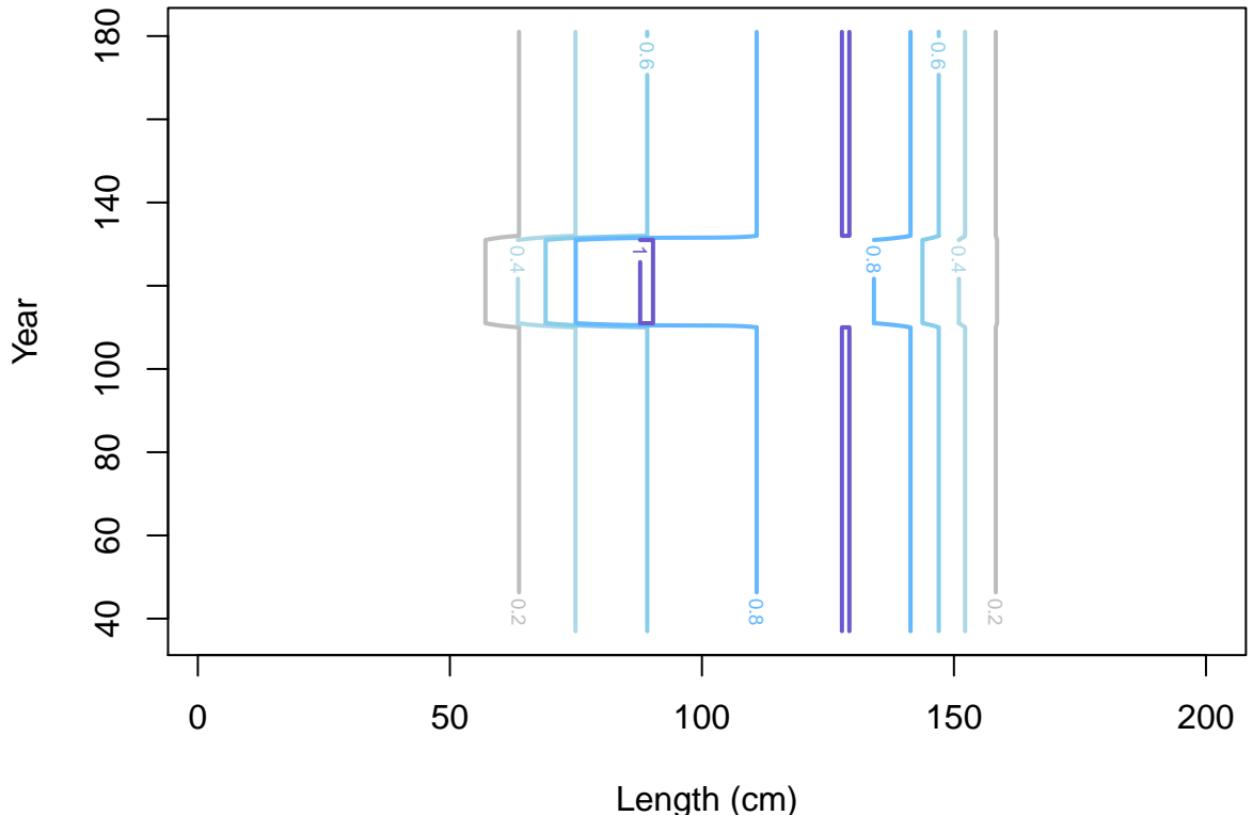
Female ending year selectivity for S1-PS_DEL_VAST



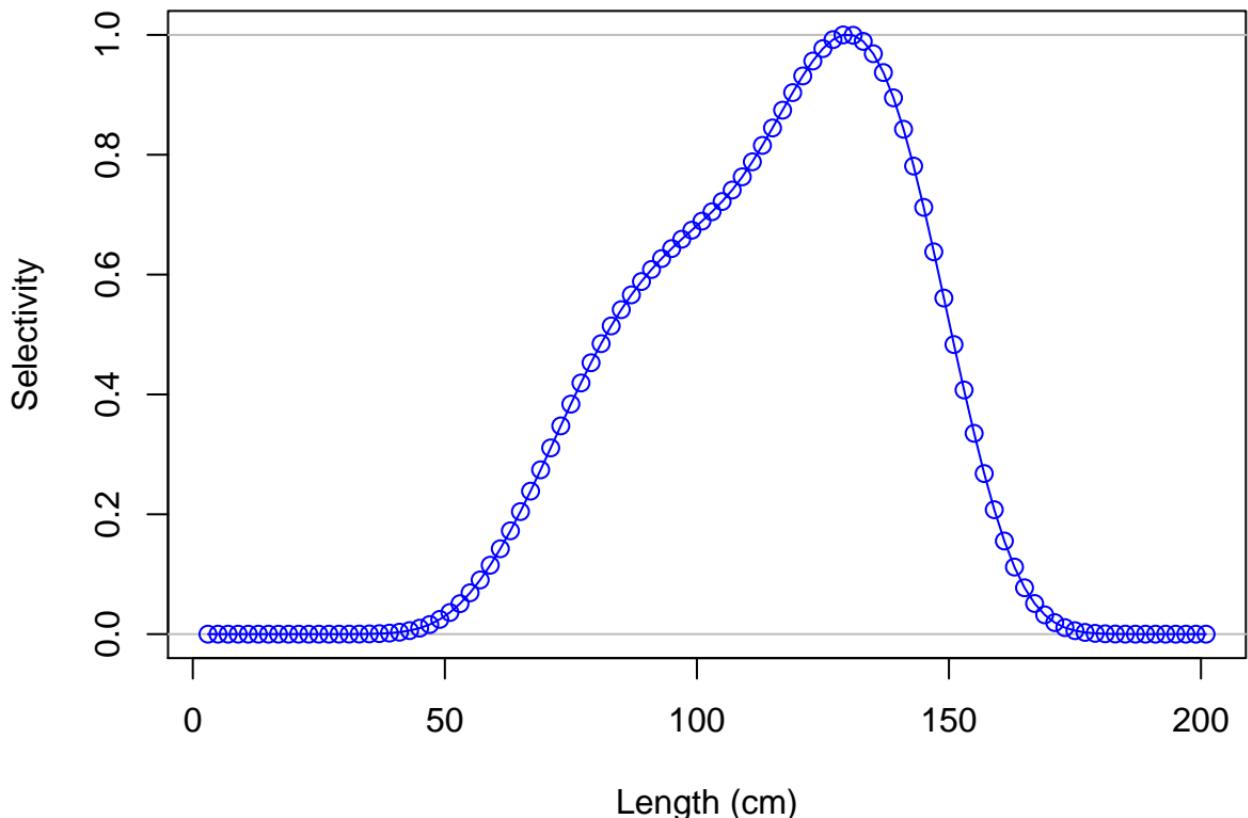
Male time-varying selectivity for S1-PS_DEL_VAST



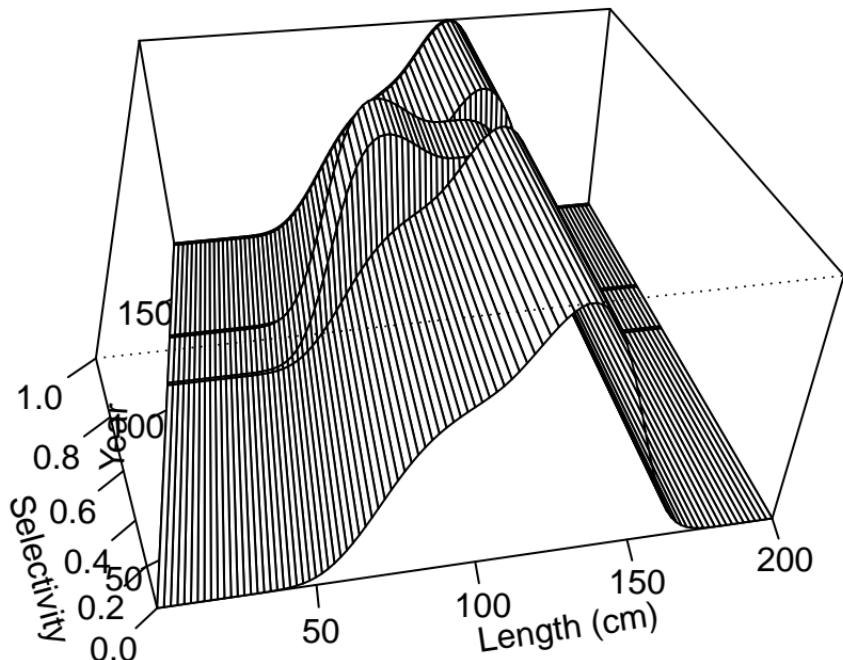
Male time-varying selectivity for S1-PS_DEL_VAST



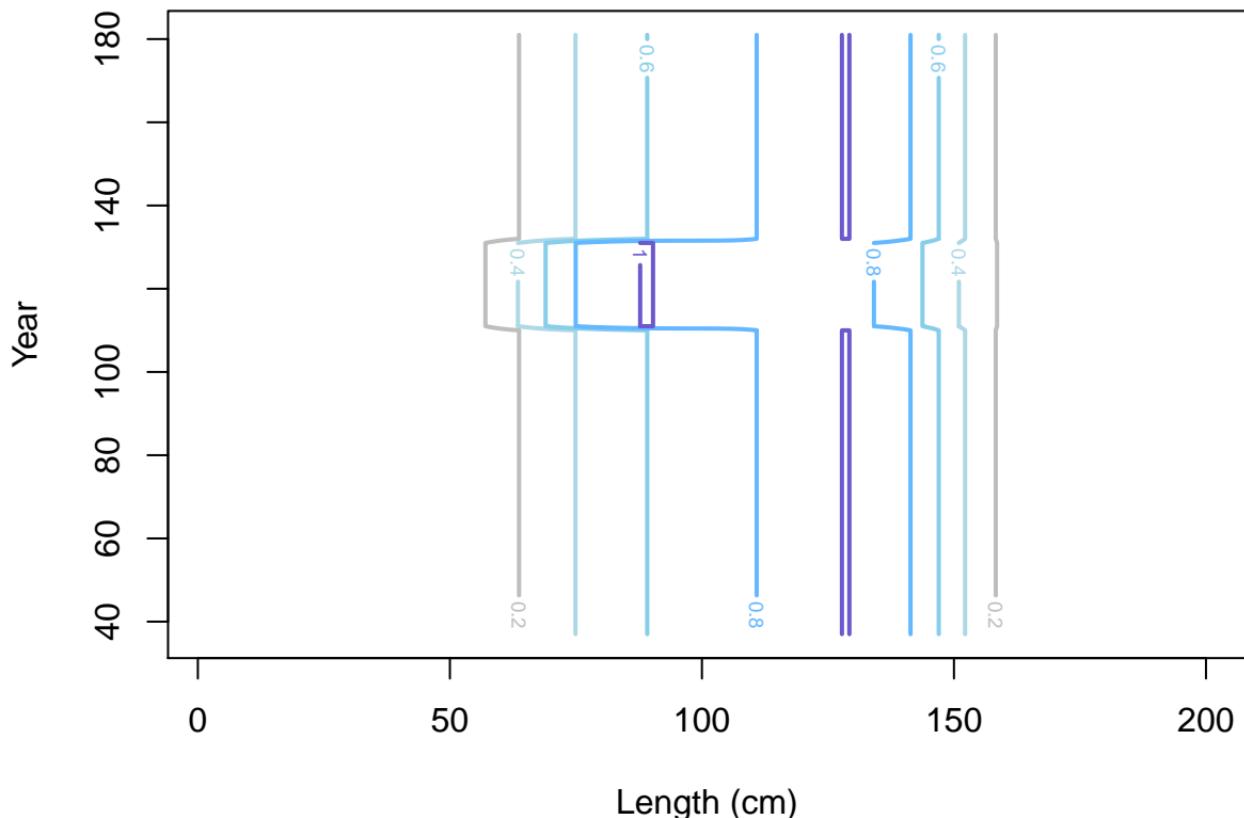
Male ending year selectivity for S1-PS_DEL_VAST



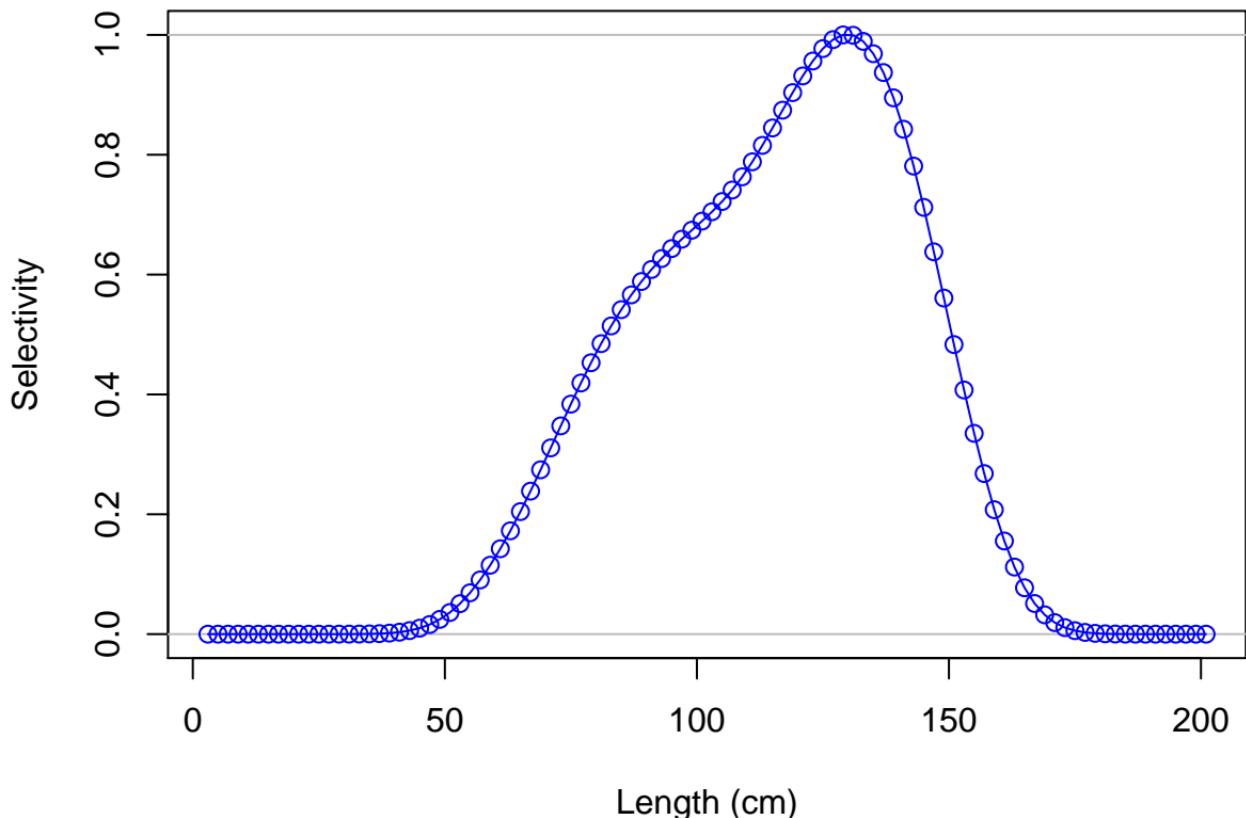
Female time-varying selectivity for S4-PS_middle_VAST



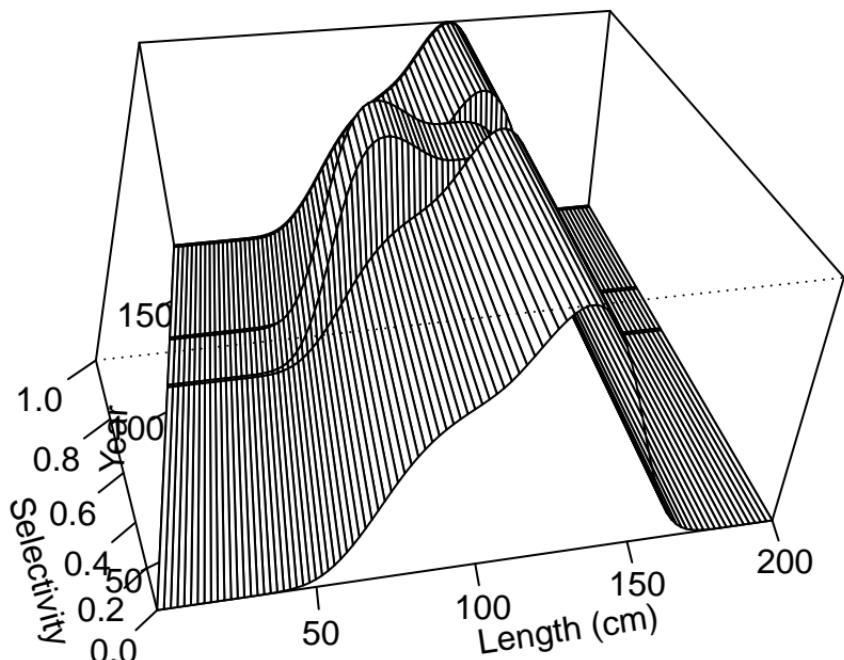
Female time-varying selectivity for S4-PS_middle_VAST



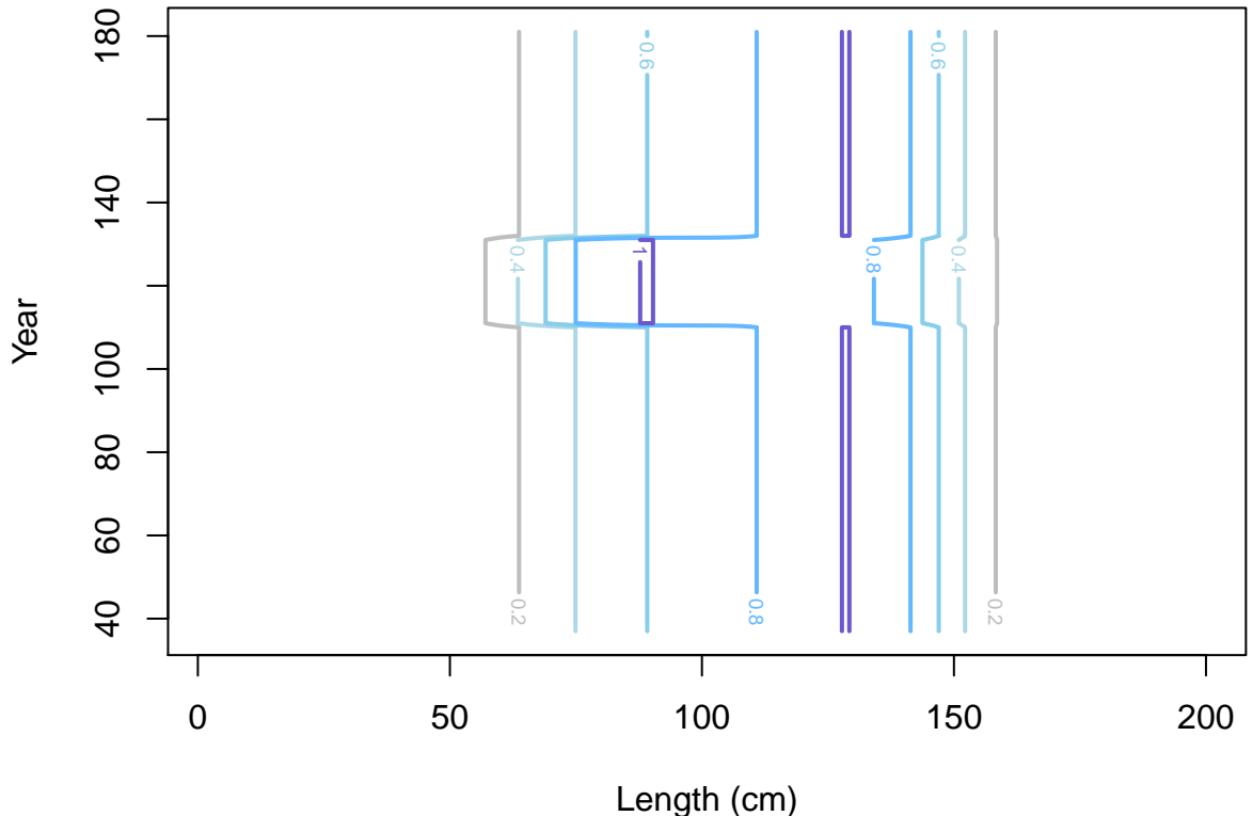
Female ending year selectivity for S4-PS_middle_VAST



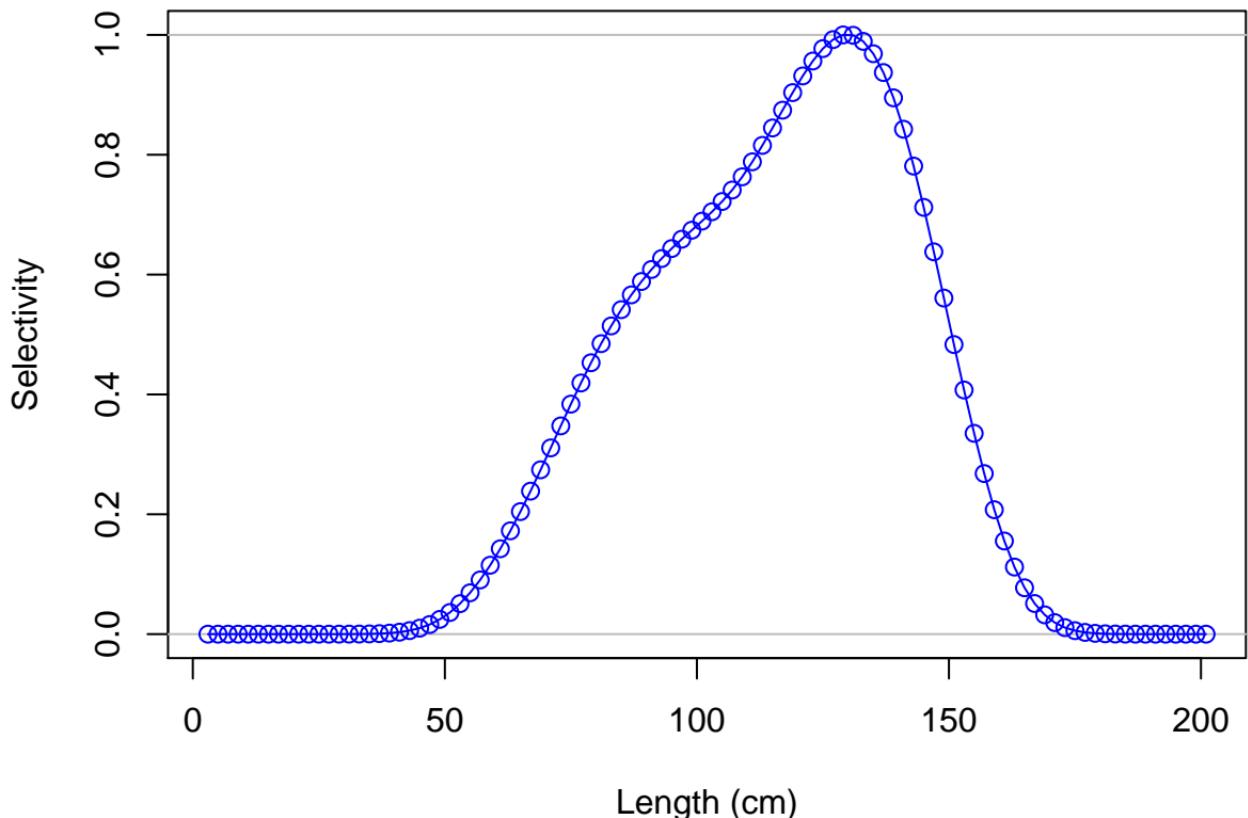
Male time-varying selectivity for S4-PS_middle_VAST



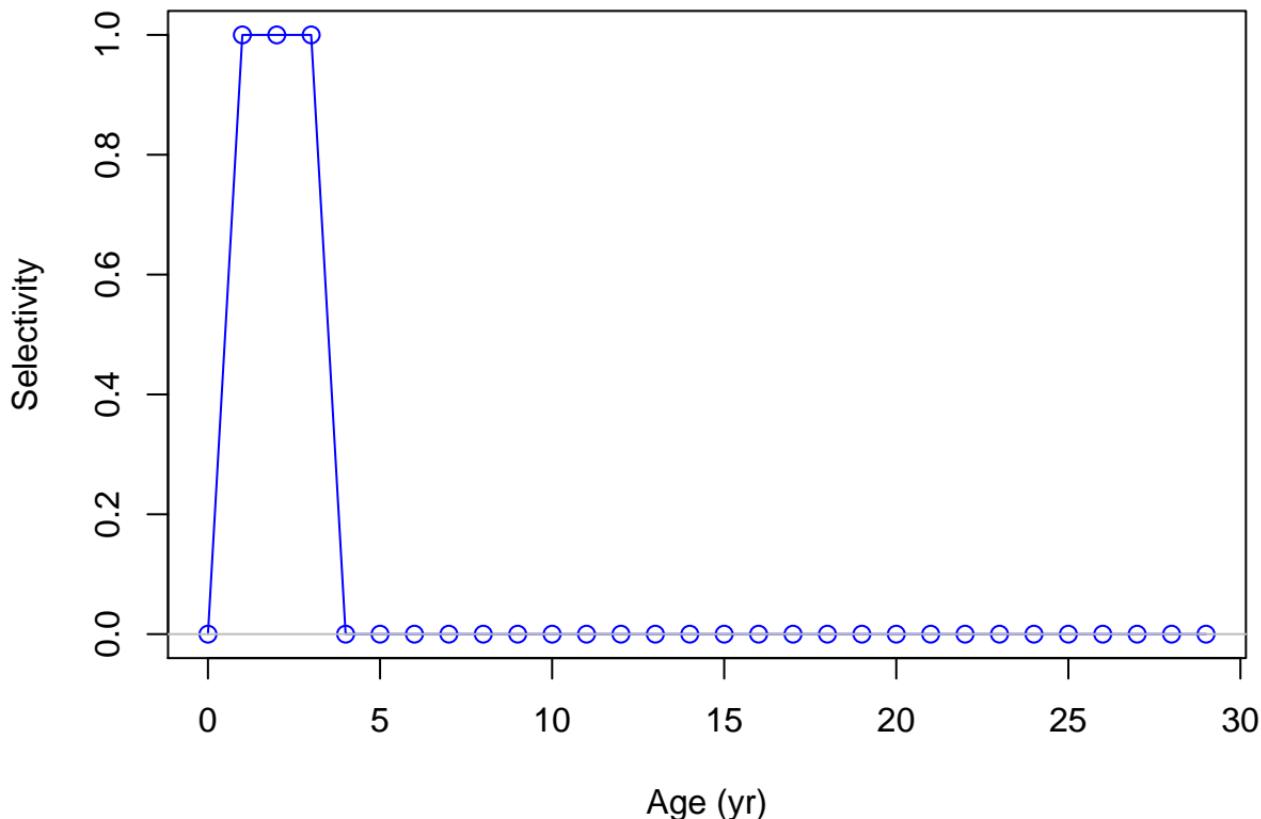
Male time-varying selectivity for S4-PS_middle_VAST



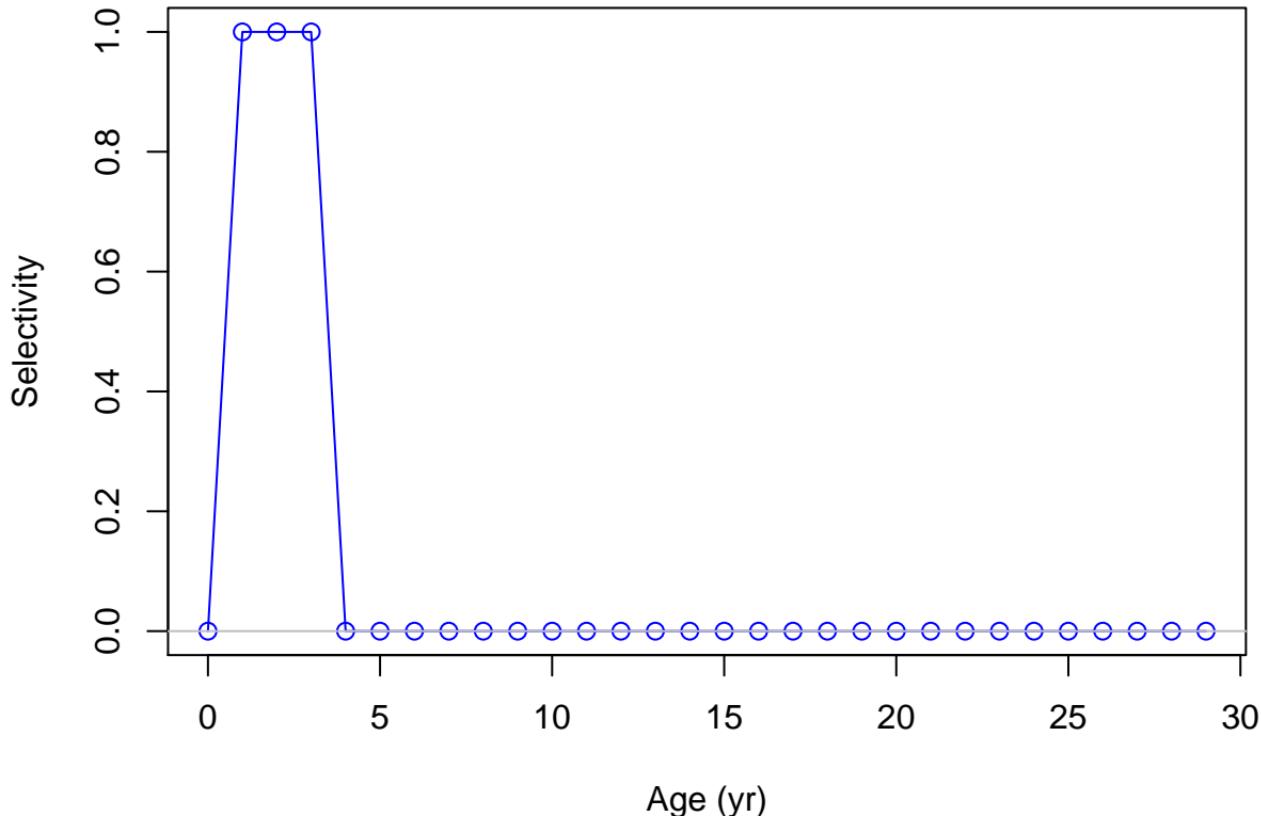
Male ending year selectivity for S4-PS_middle_VAST



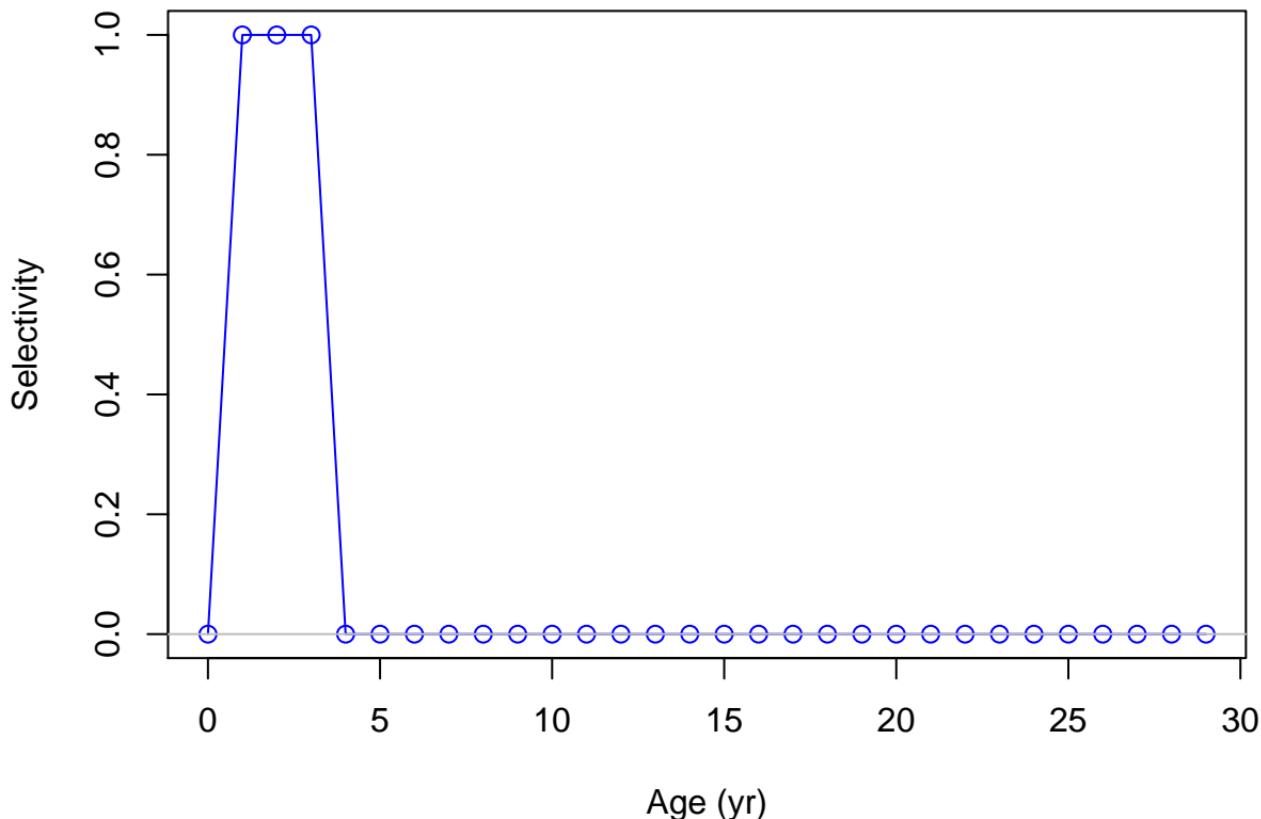
Female ending year selectivity for F25–OBJ_S_disc



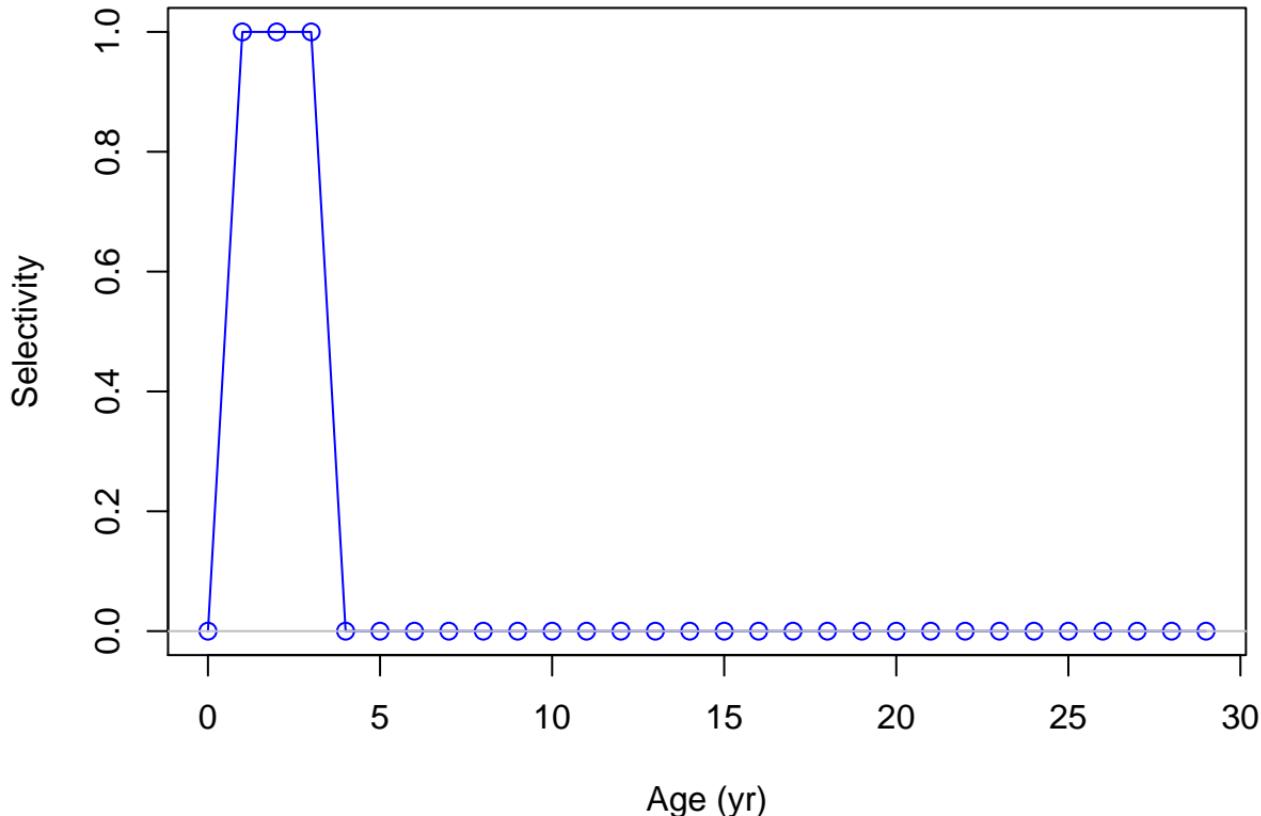
Male ending year selectivity for F25–OBJ_S_disc



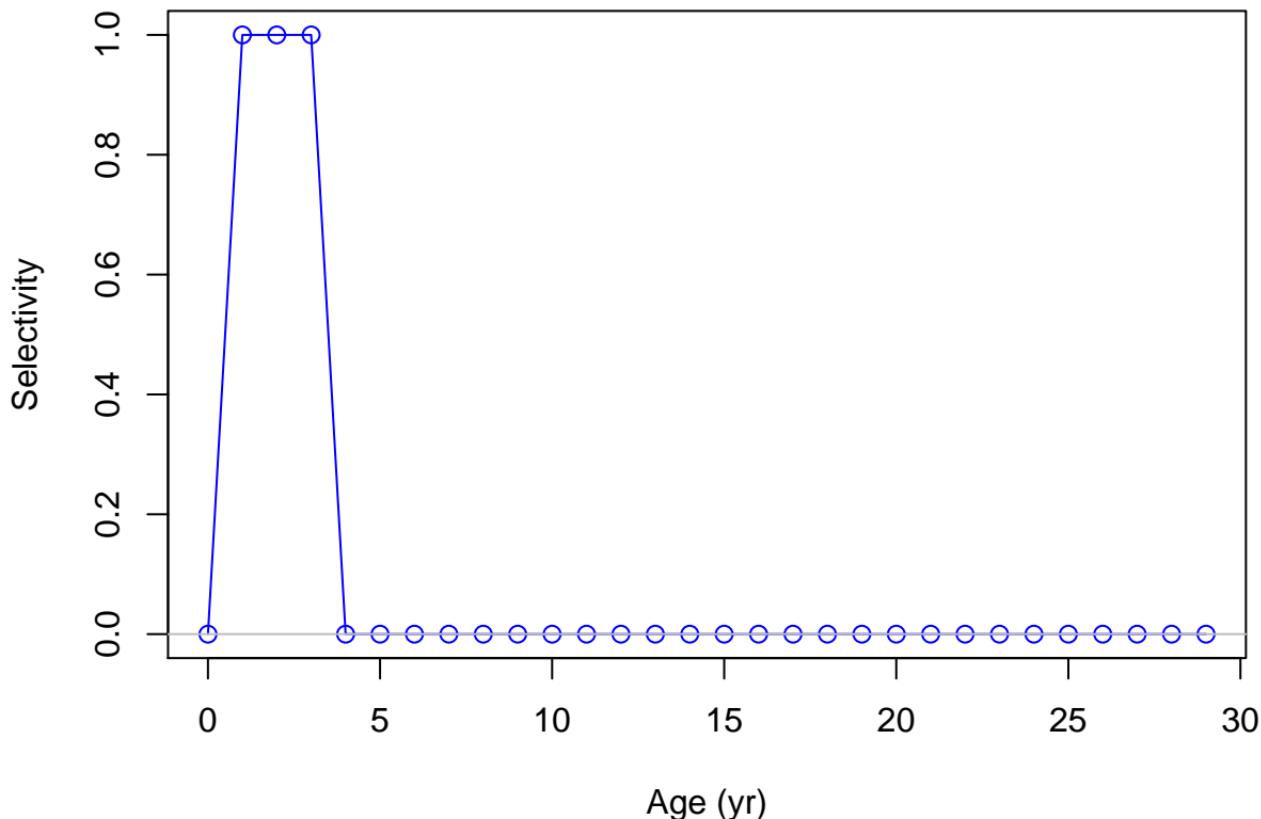
Female ending year selectivity for F26-OBJ_C_disc



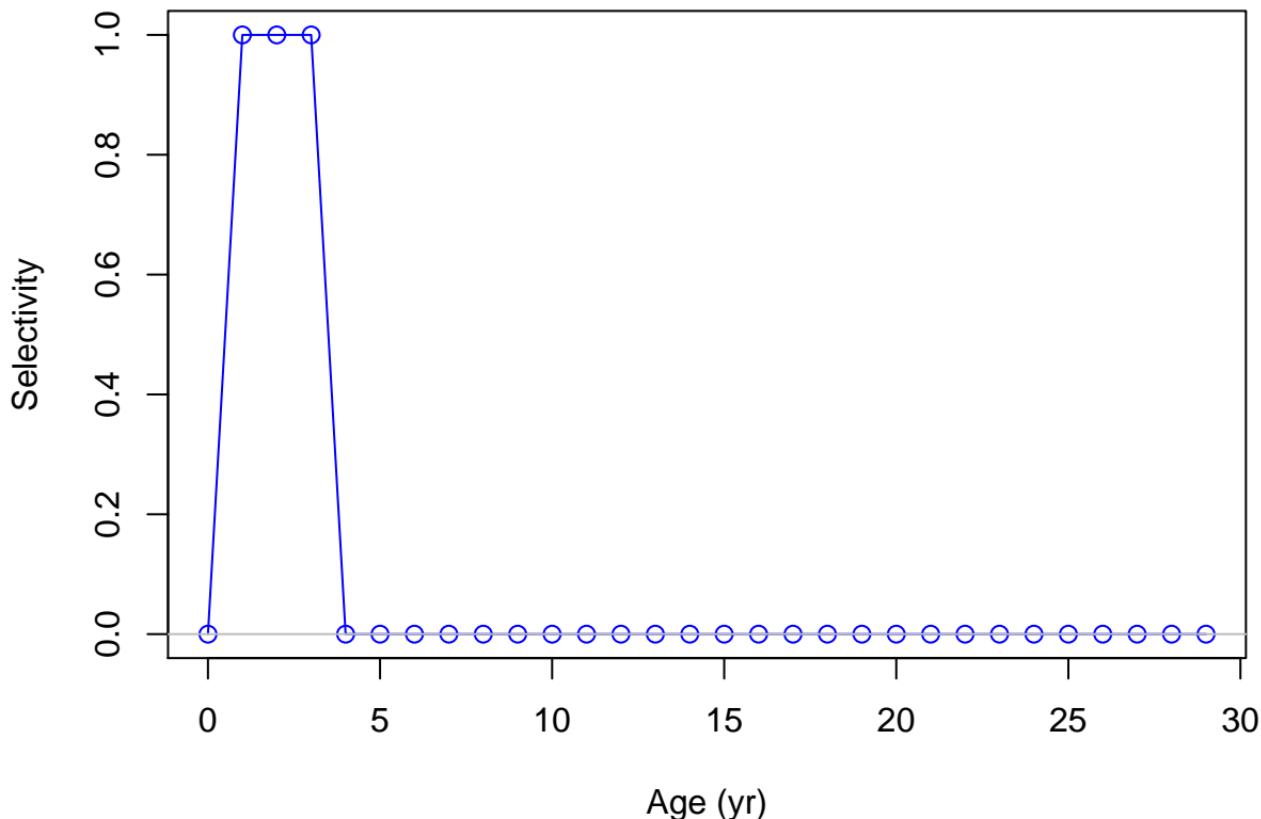
Male ending year selectivity for F26–OBJ_C_disc



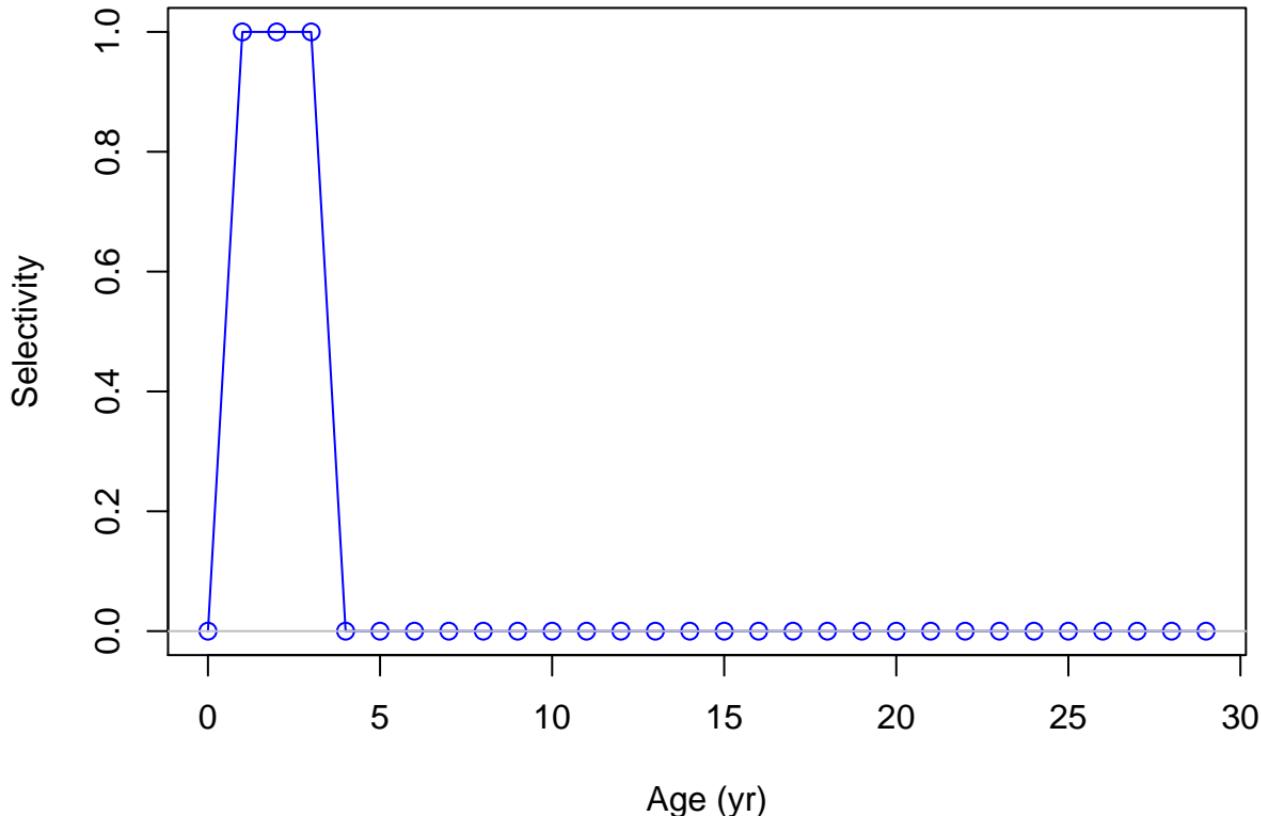
Female ending year selectivity for F27–OBJ_I_disc



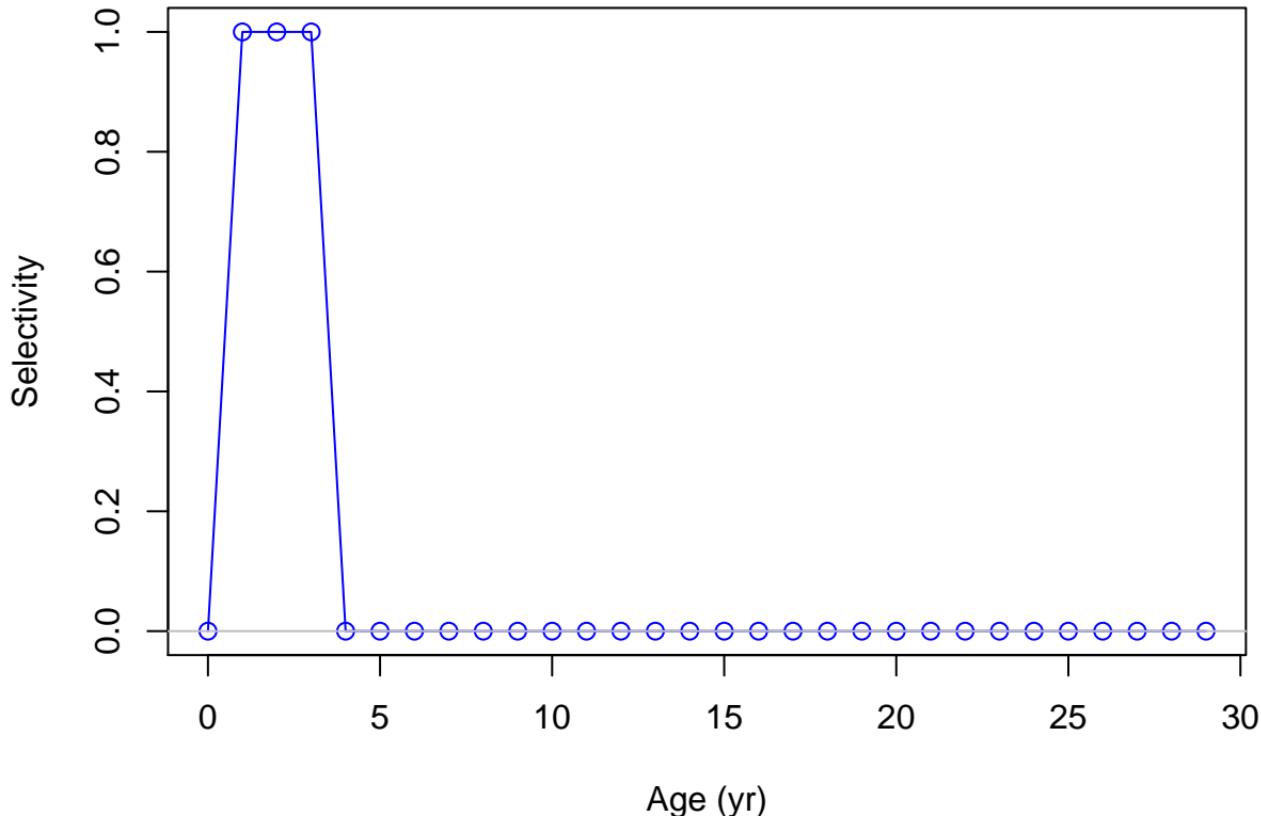
Male ending year selectivity for F27-OBJ_I_disc



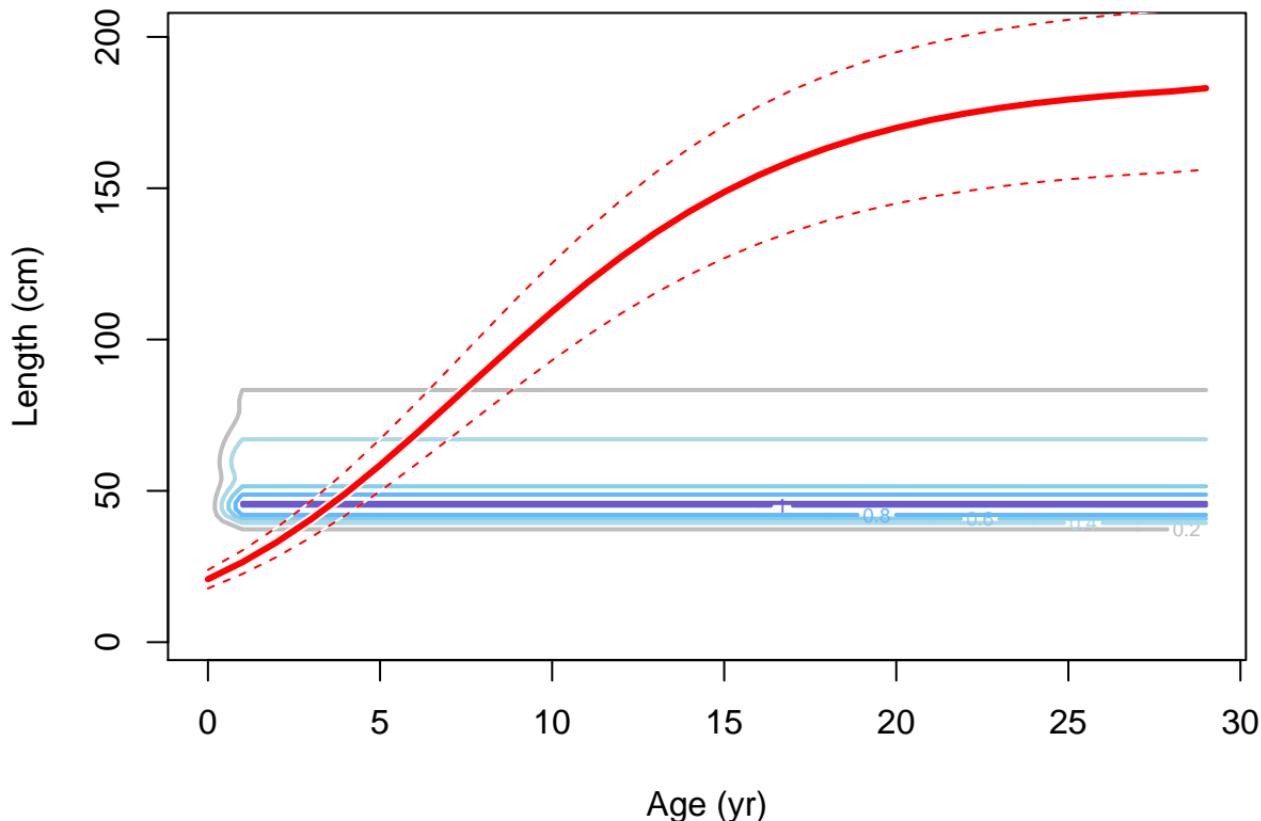
Female ending year selectivity for F28–OBJ_N_disc



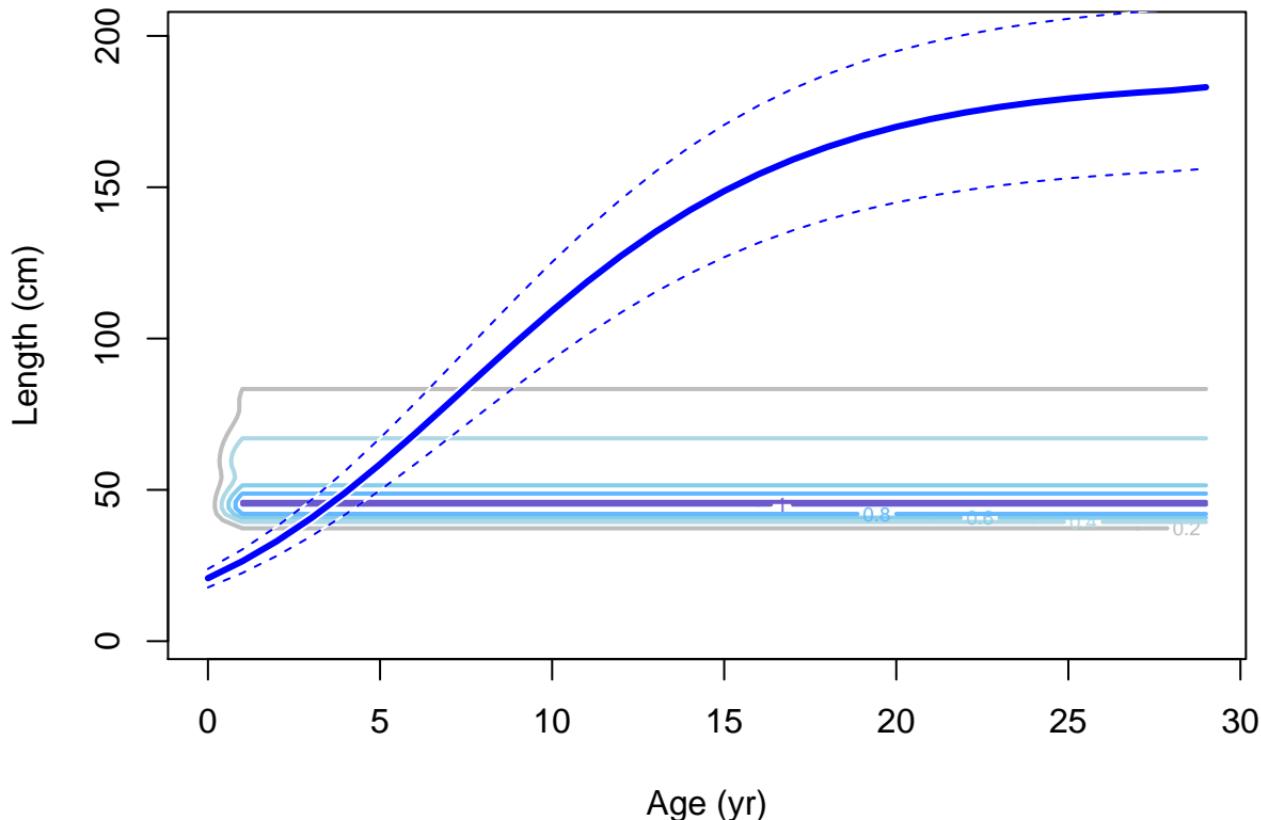
Male ending year selectivity for F28–OBJ_N_disc



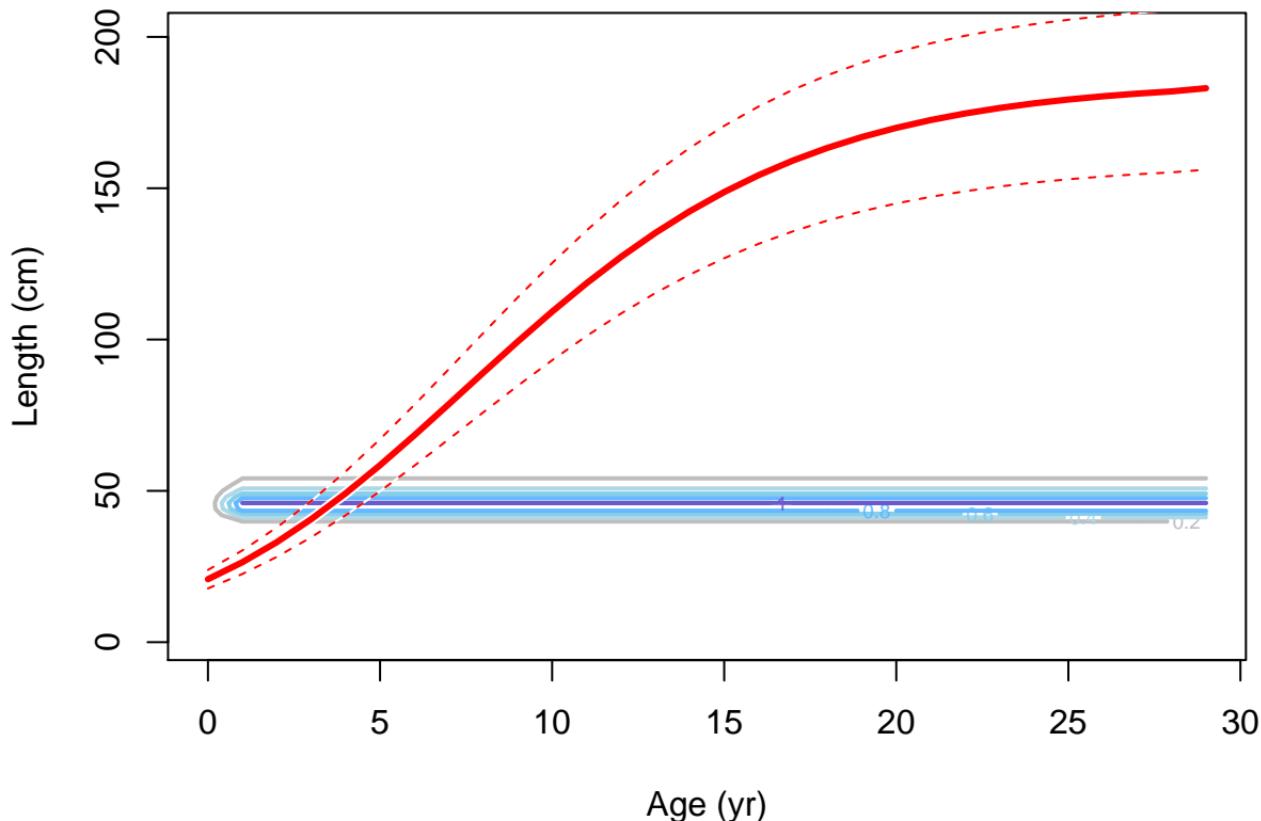
Female ending year selectivity and growth for F1–OBJ_N–Q14



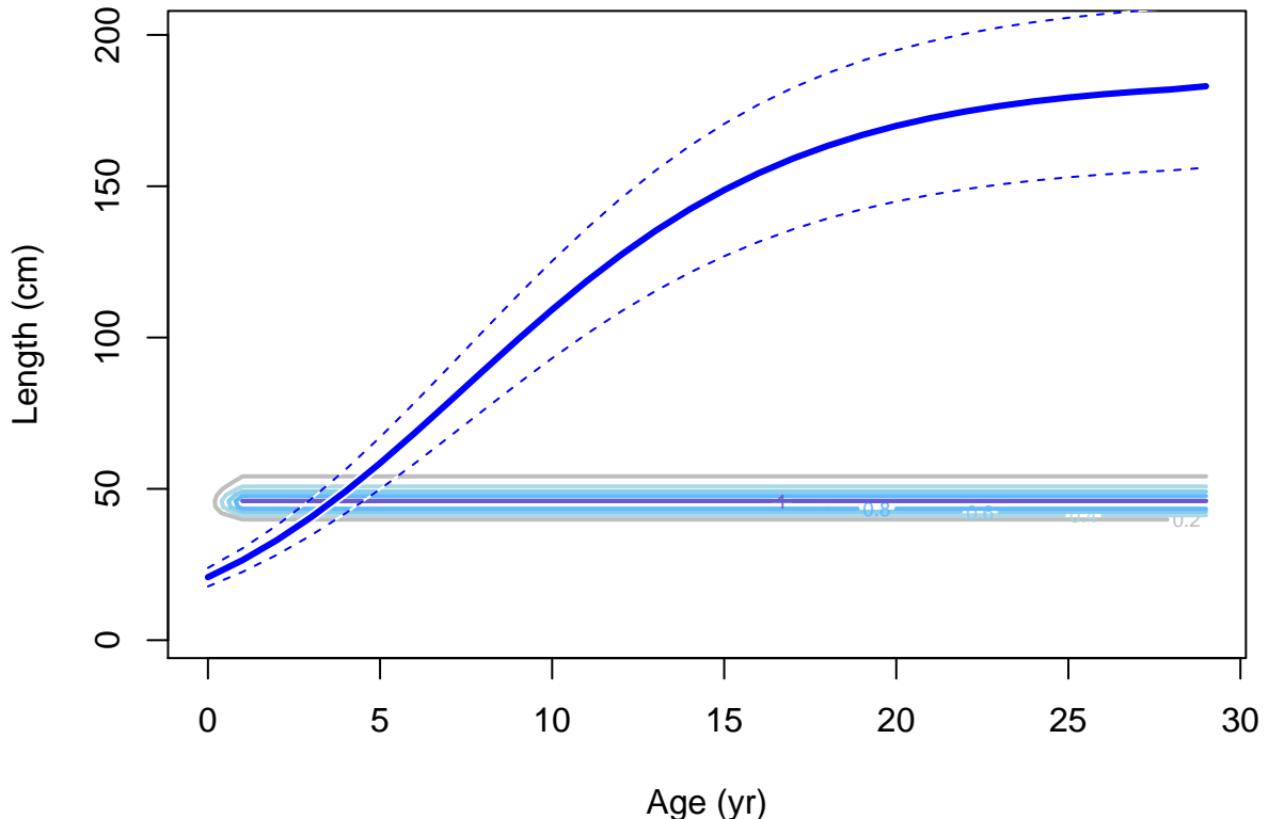
Male ending year selectivity and growth for F1-OBJ_N-Q14



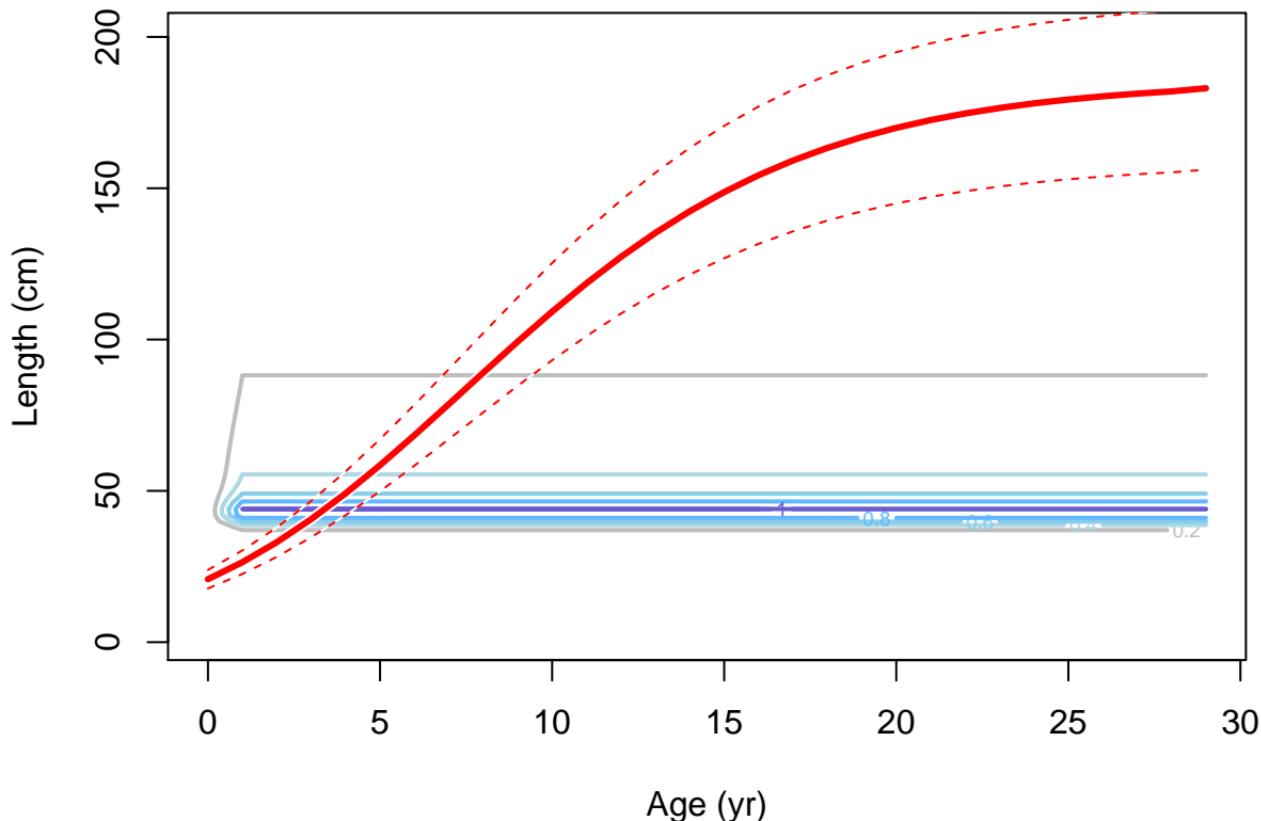
Female ending year selectivity and growth for F2–OBJ_Nc_Q14



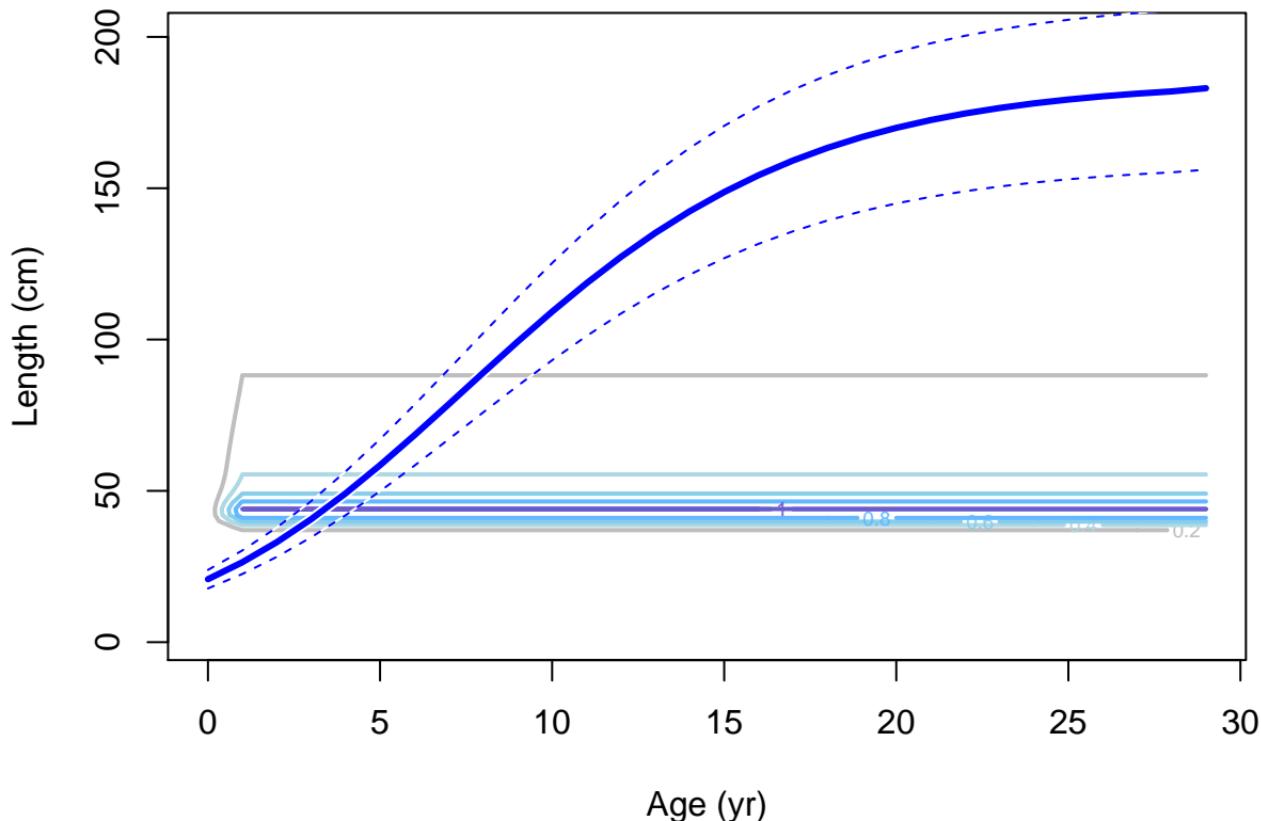
Male ending year selectivity and growth for F2-OBJ_Nc_Q14



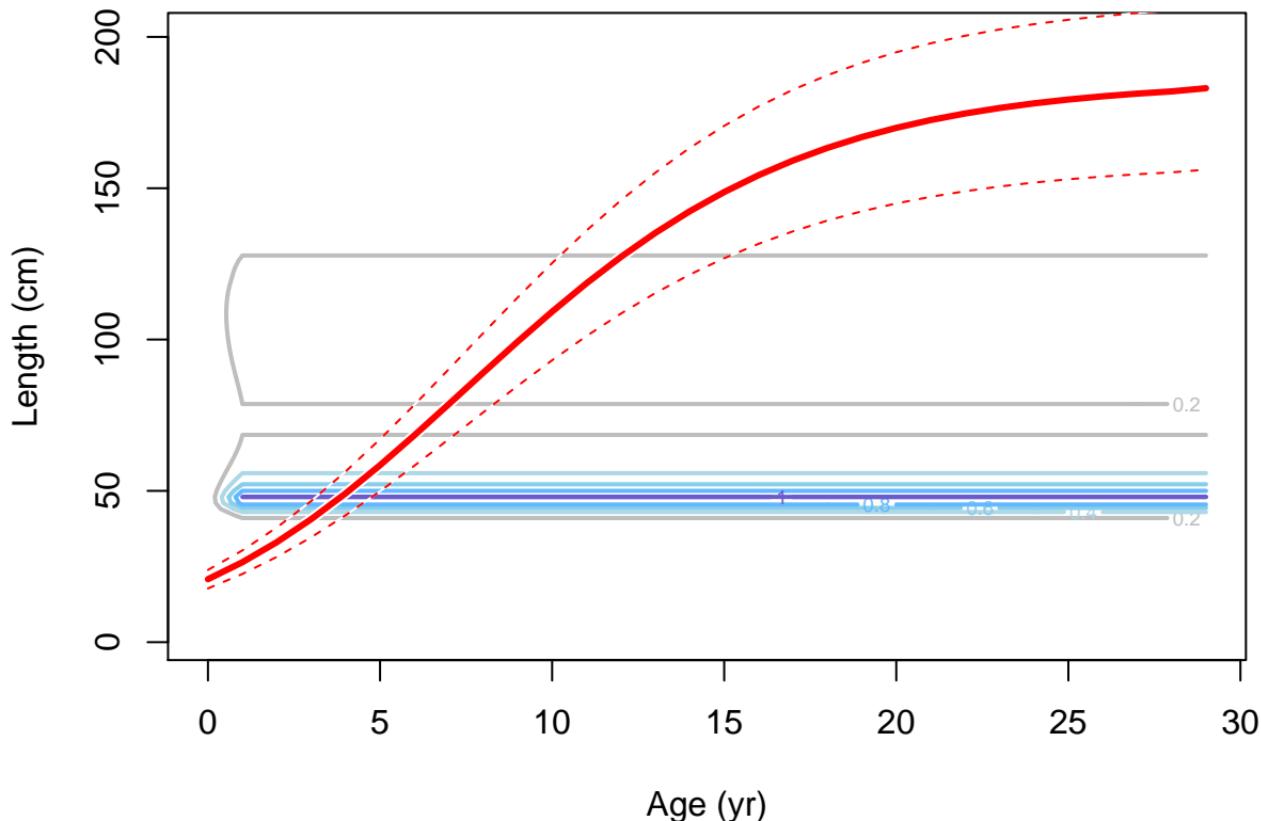
Female ending year selectivity and growth for F3–OBJ_C_Q14



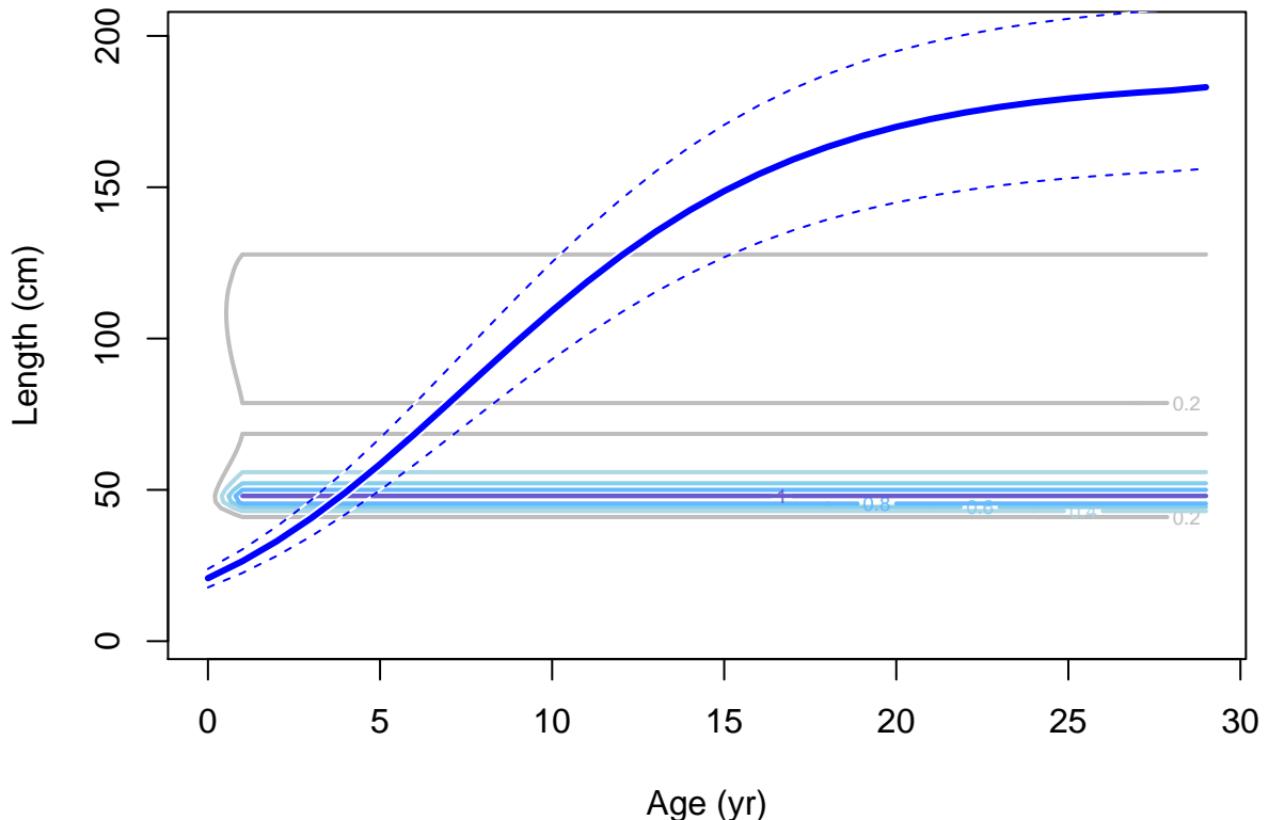
Male ending year selectivity and growth for F3–OBJ_C_Q14



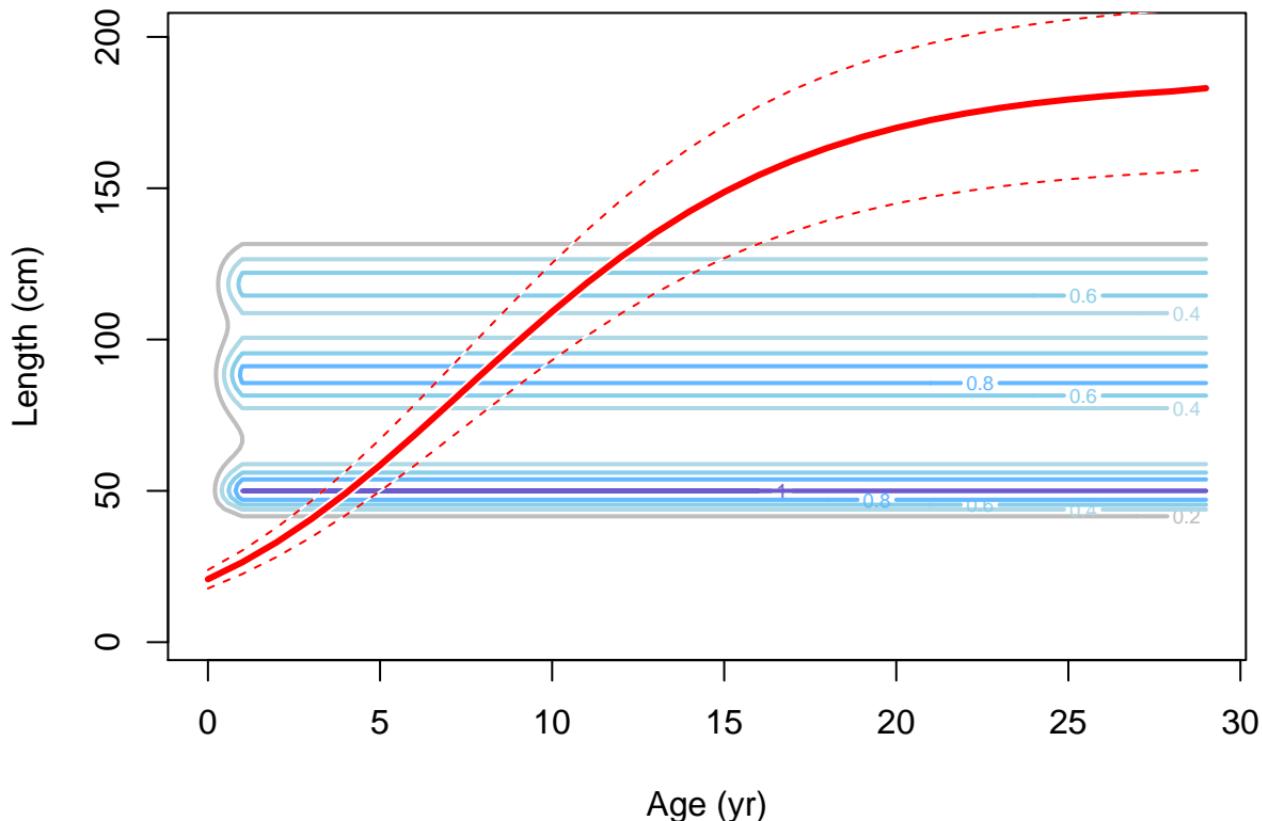
Female ending year selectivity and growth for F4-OBJ_Cc_Q14



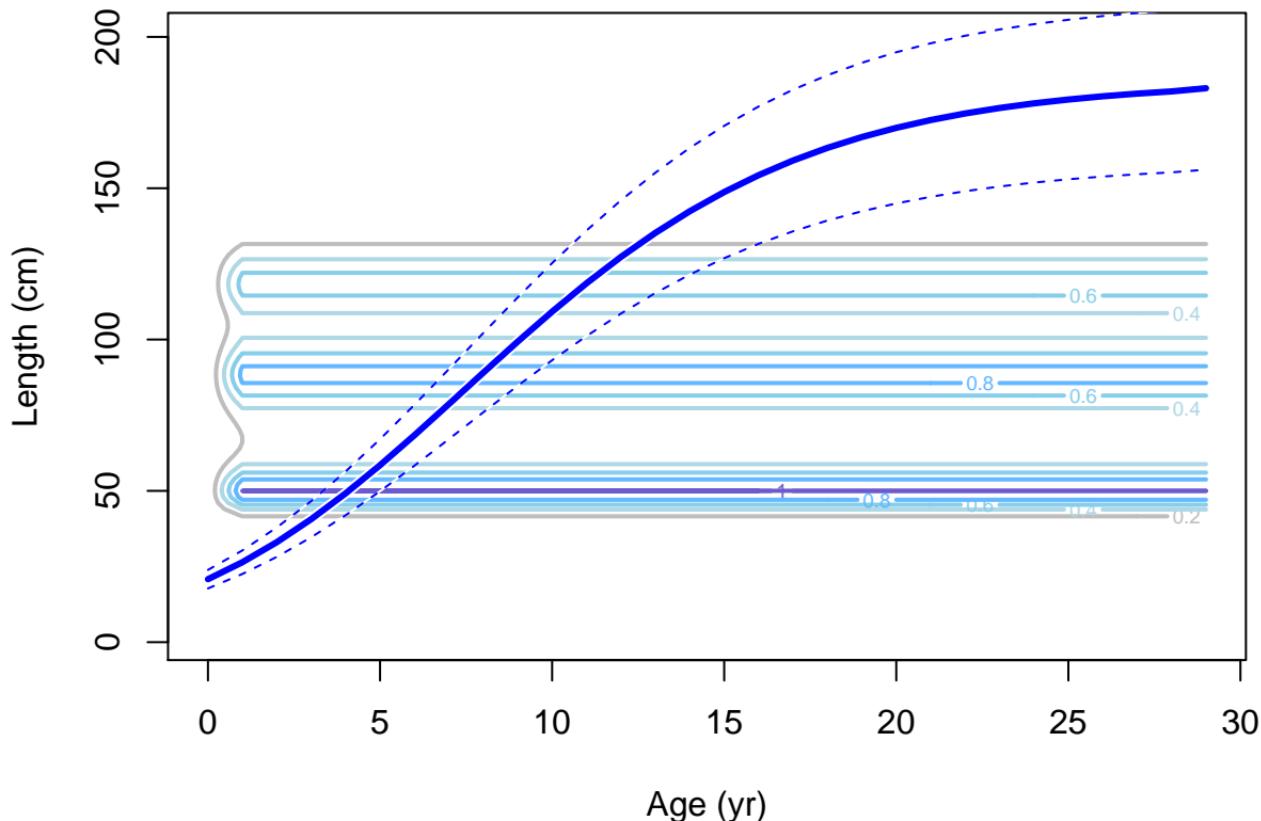
Male ending year selectivity and growth for F4-OBJ_Cc_Q14



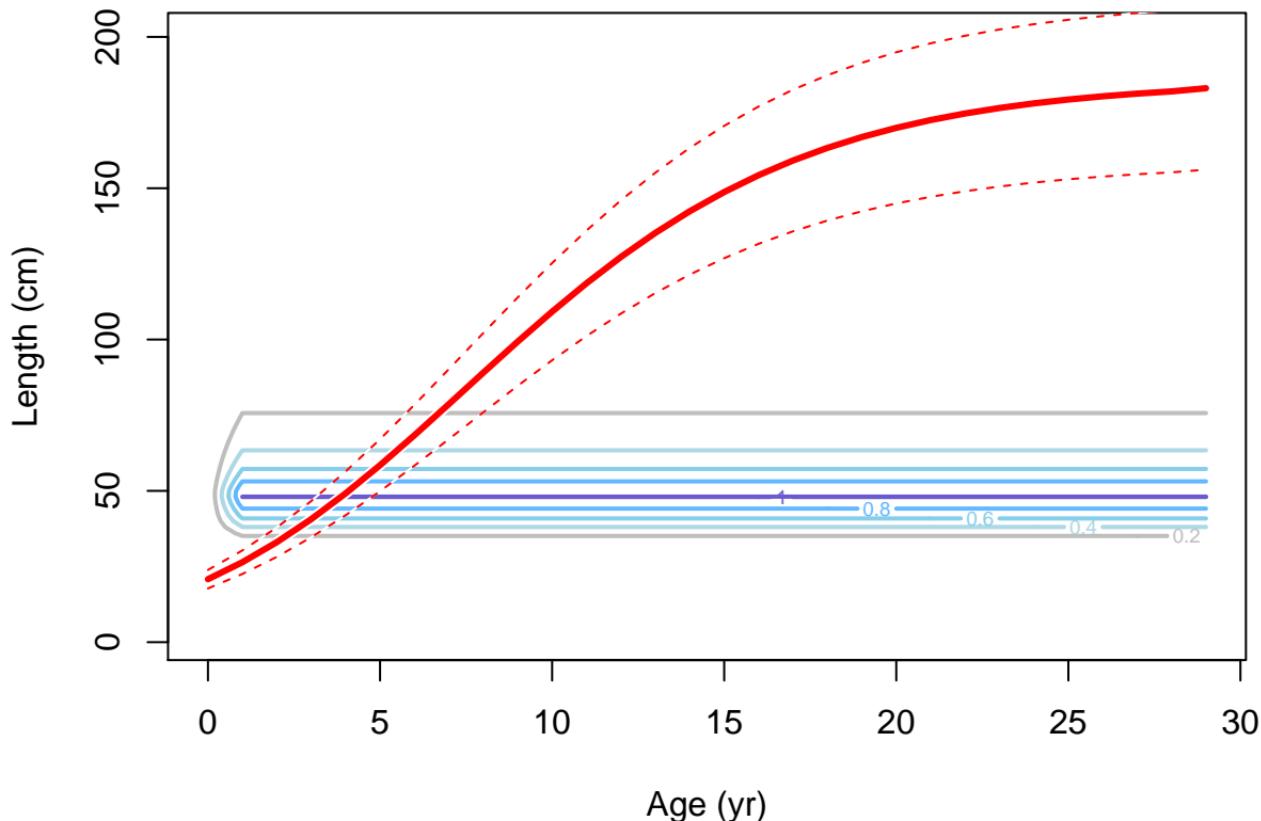
Female ending year selectivity and growth for F5-OBJ_S_Q14



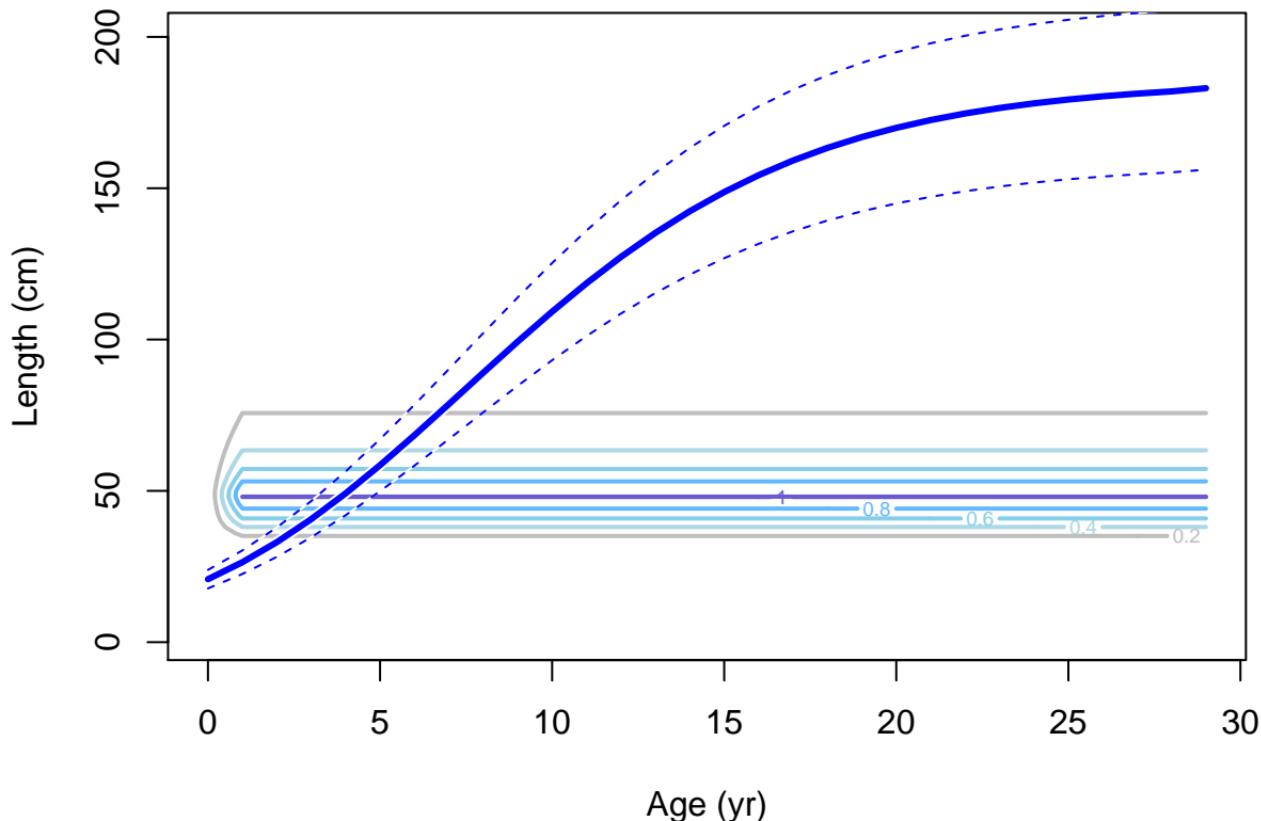
Male ending year selectivity and growth for F5–OBJ_S_Q14



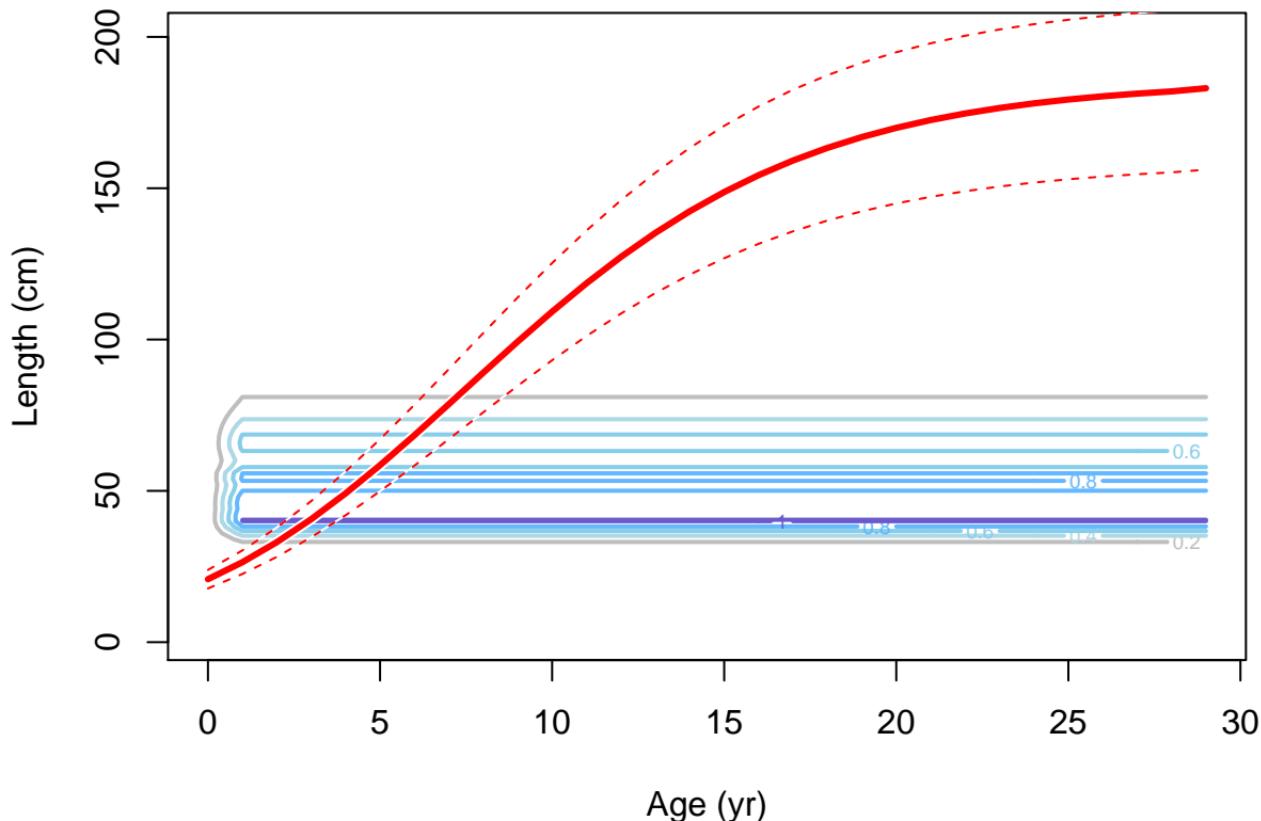
Female ending year selectivity and growth for F6-OBJ_N_Q23



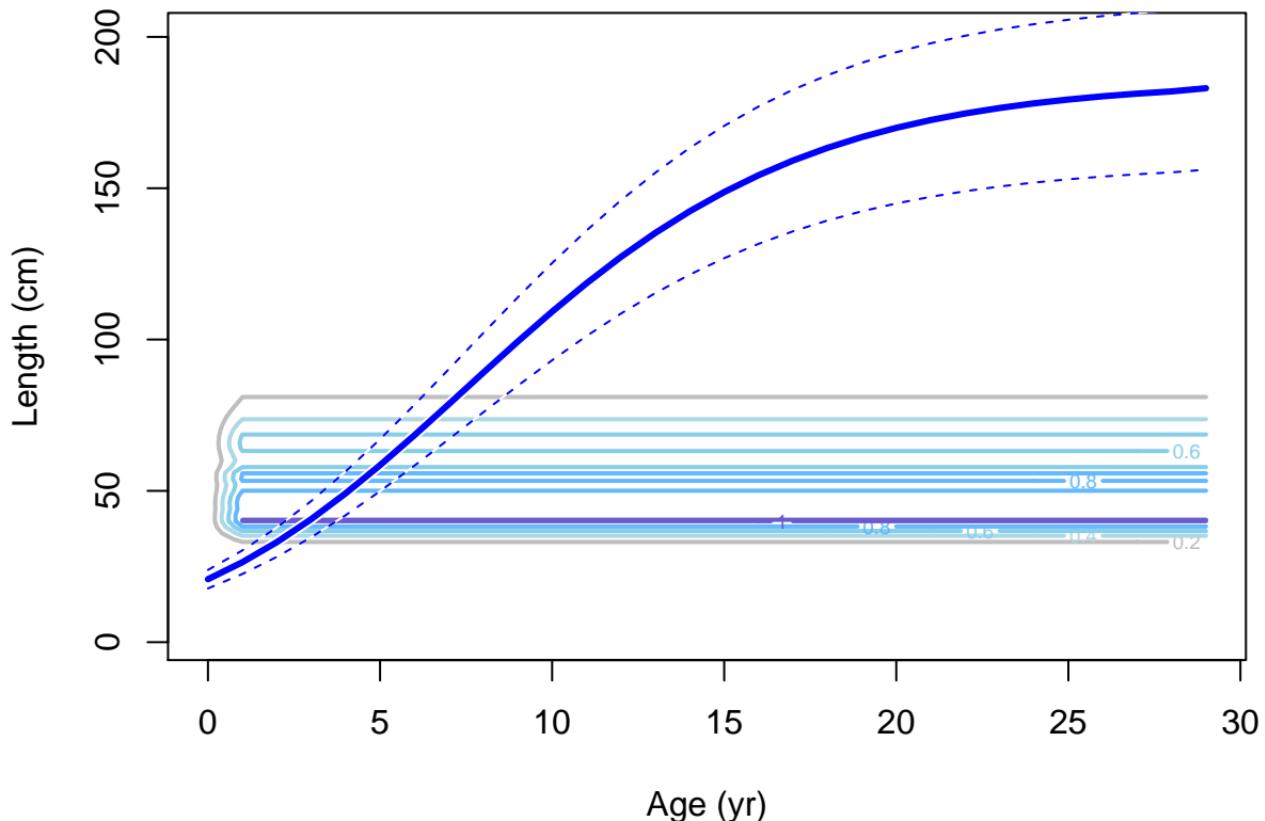
Male ending year selectivity and growth for F6-OBJ_N_Q23



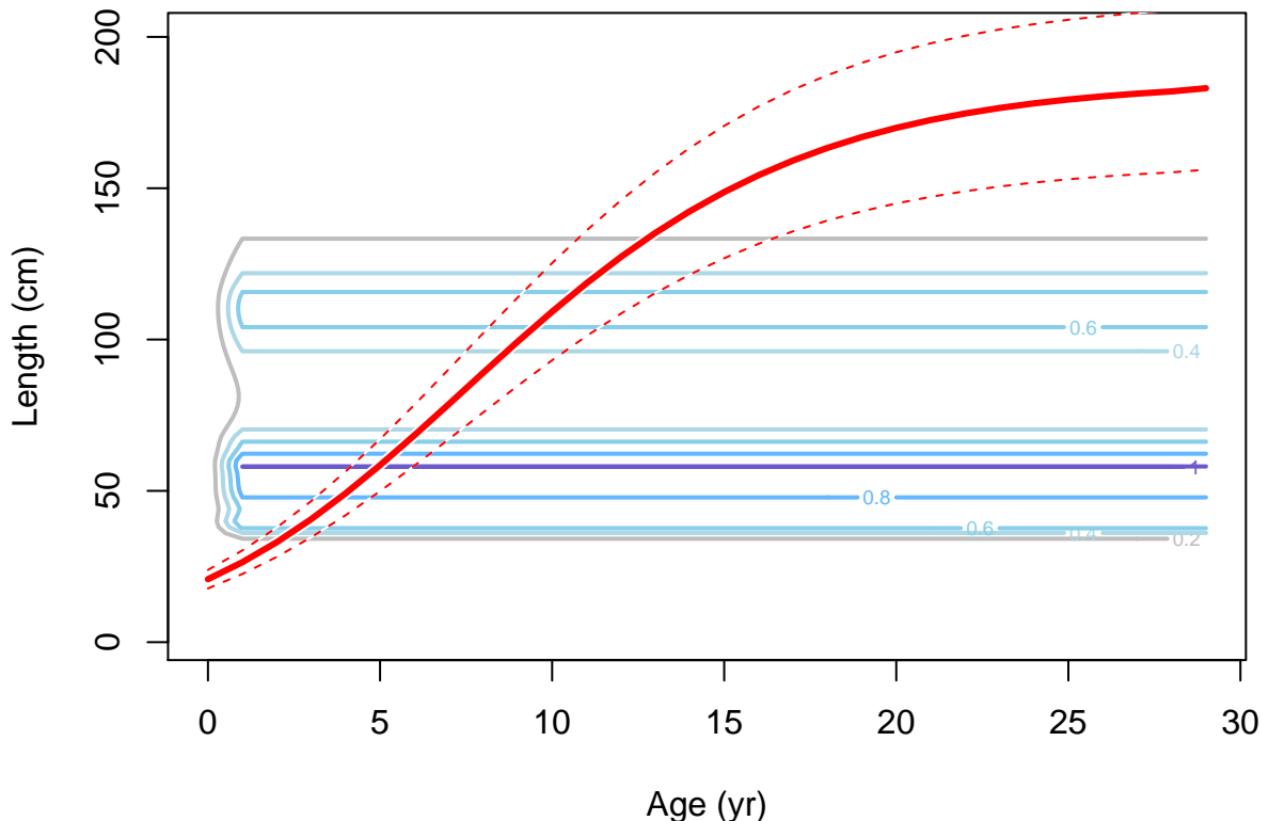
Female ending year selectivity and growth for F7–OBJ_Nc_Q23



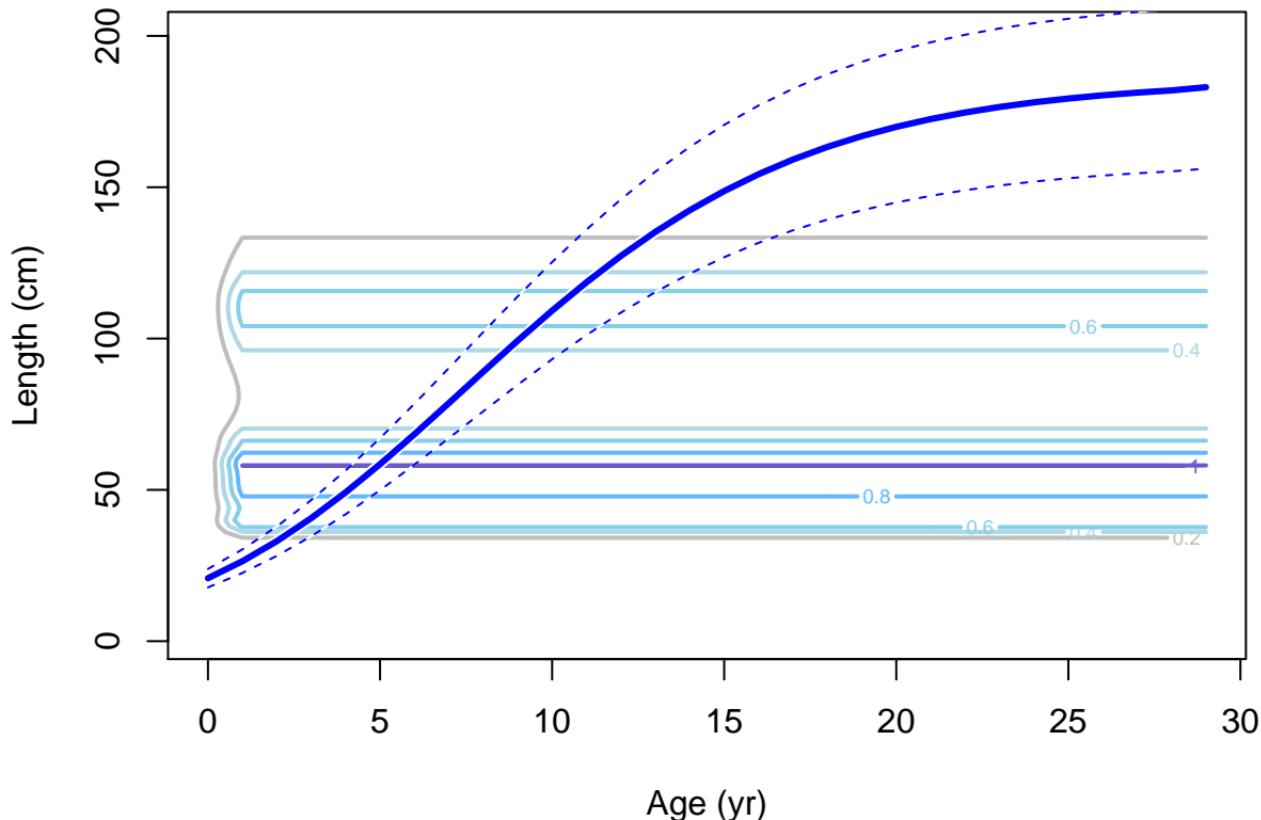
Male ending year selectivity and growth for F7-OBJ_Nc_Q23



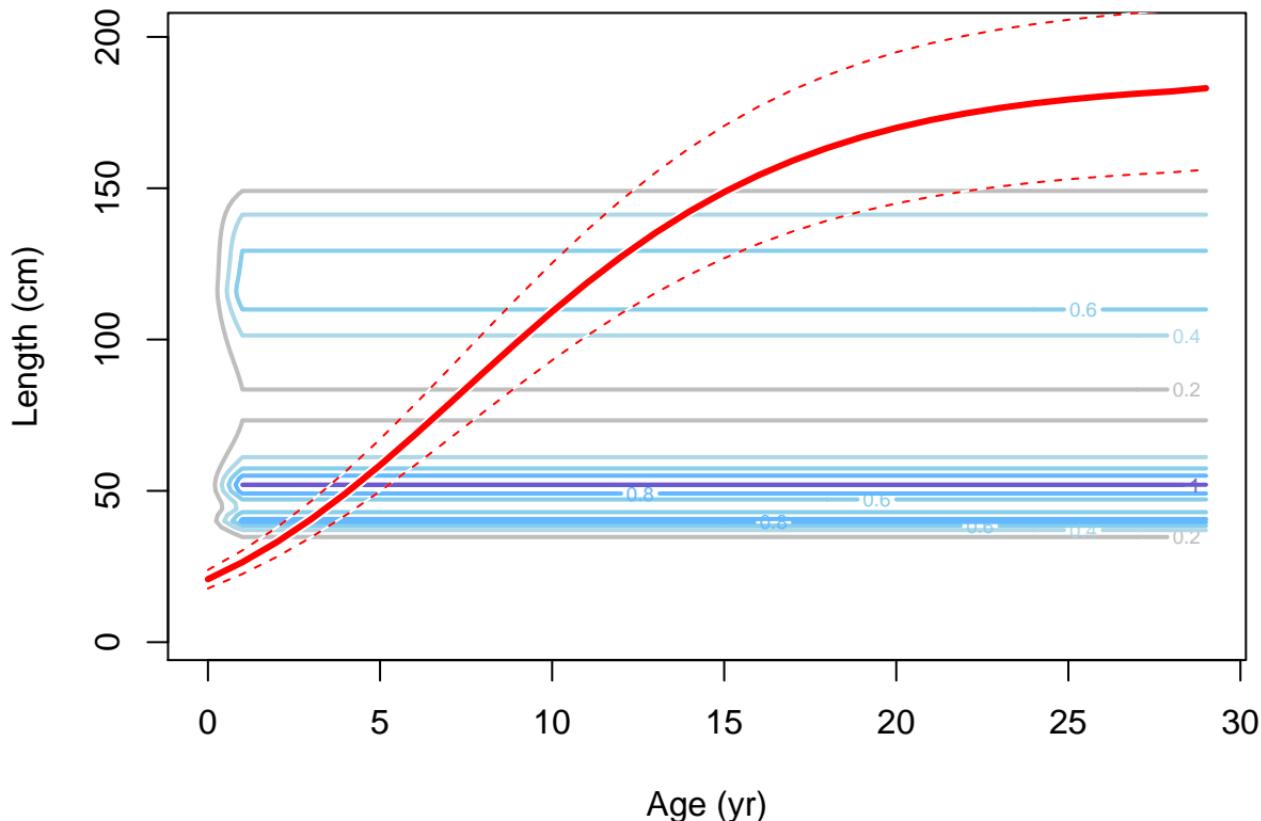
Female ending year selectivity and growth for F8-OBJ_C_Q23



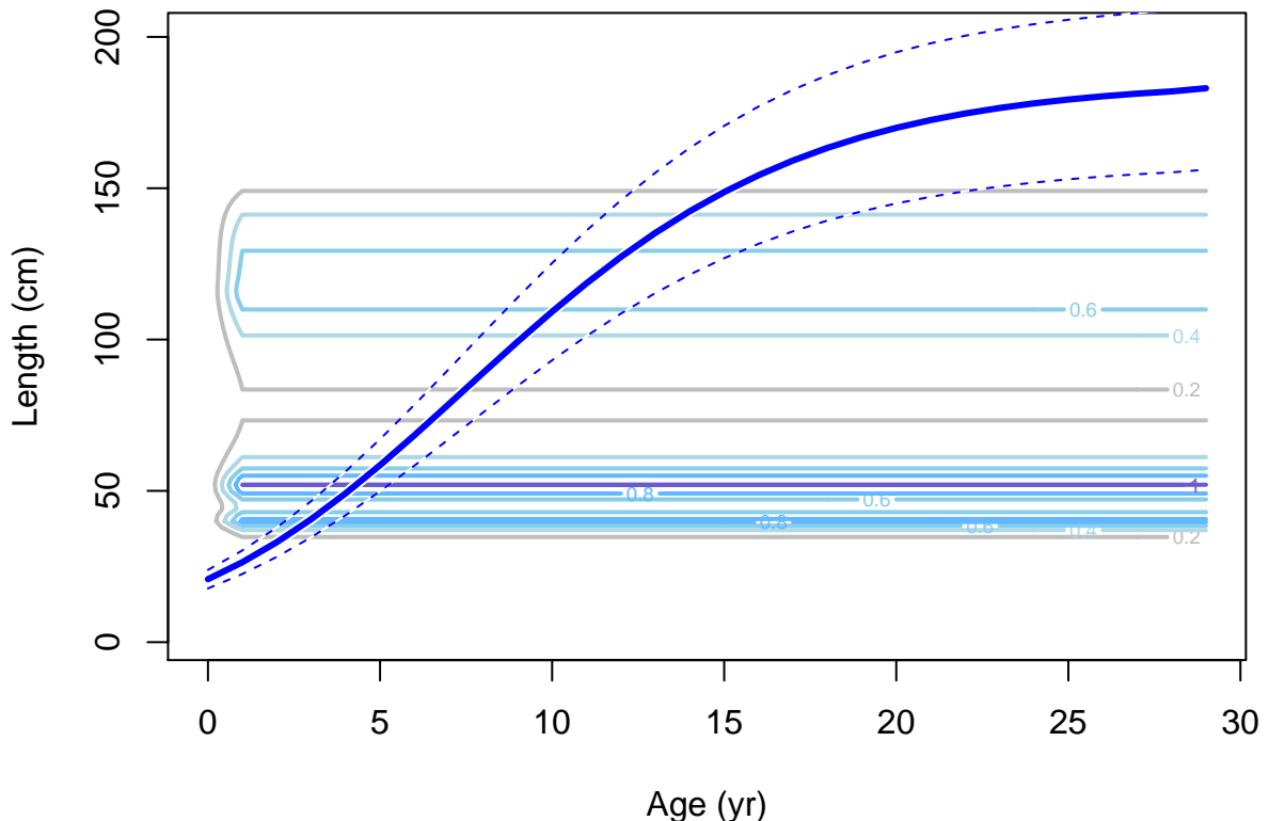
Male ending year selectivity and growth for F8-OBJ_C_Q23



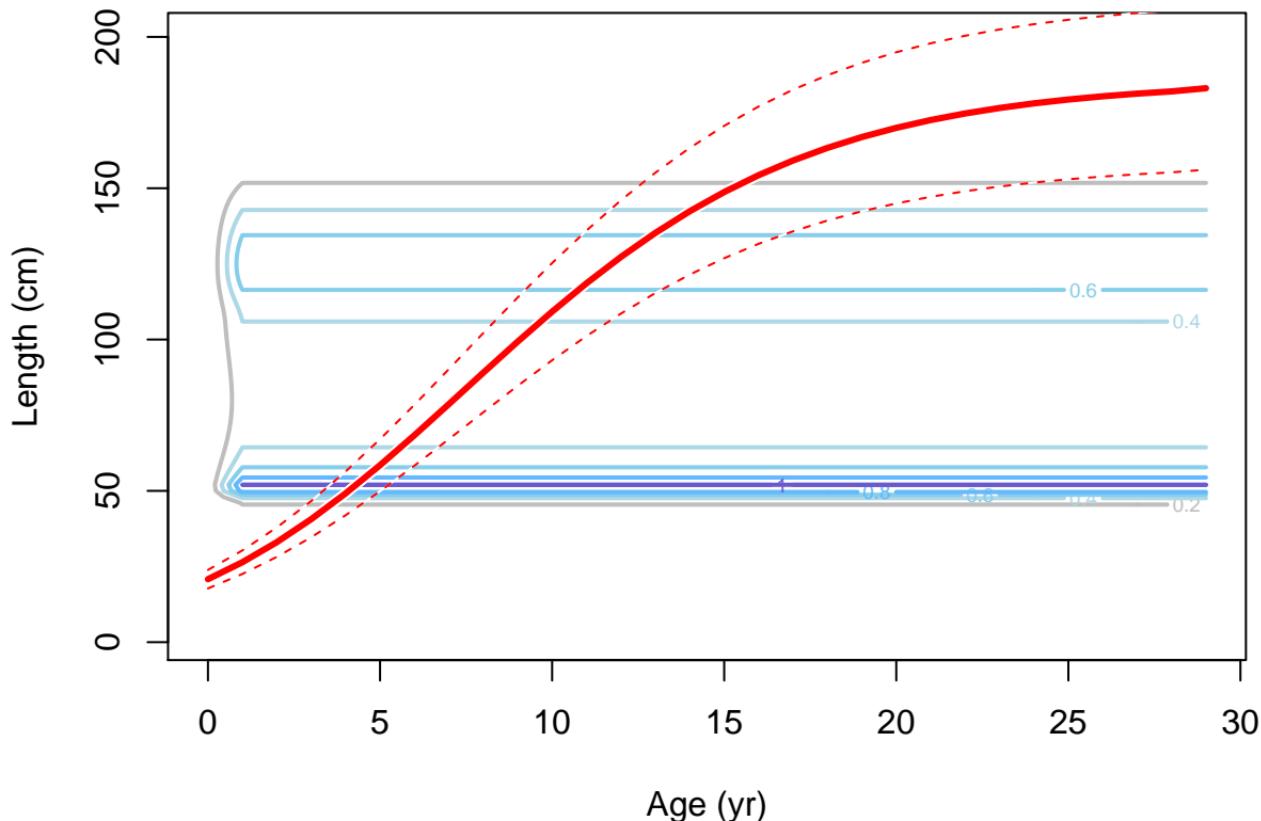
Female ending year selectivity and growth for F9–OBJ_Cc_Q23



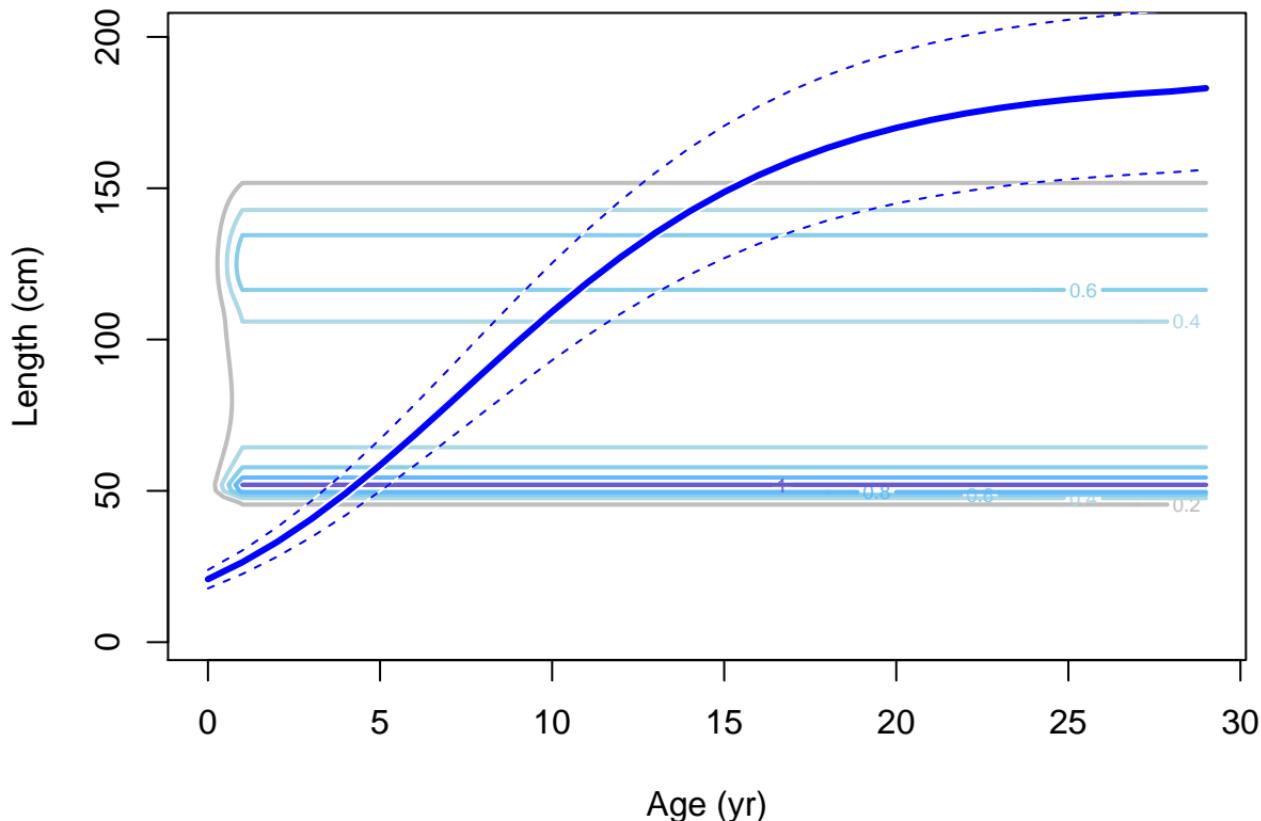
Male ending year selectivity and growth for F9–OBJ_Cc_Q23



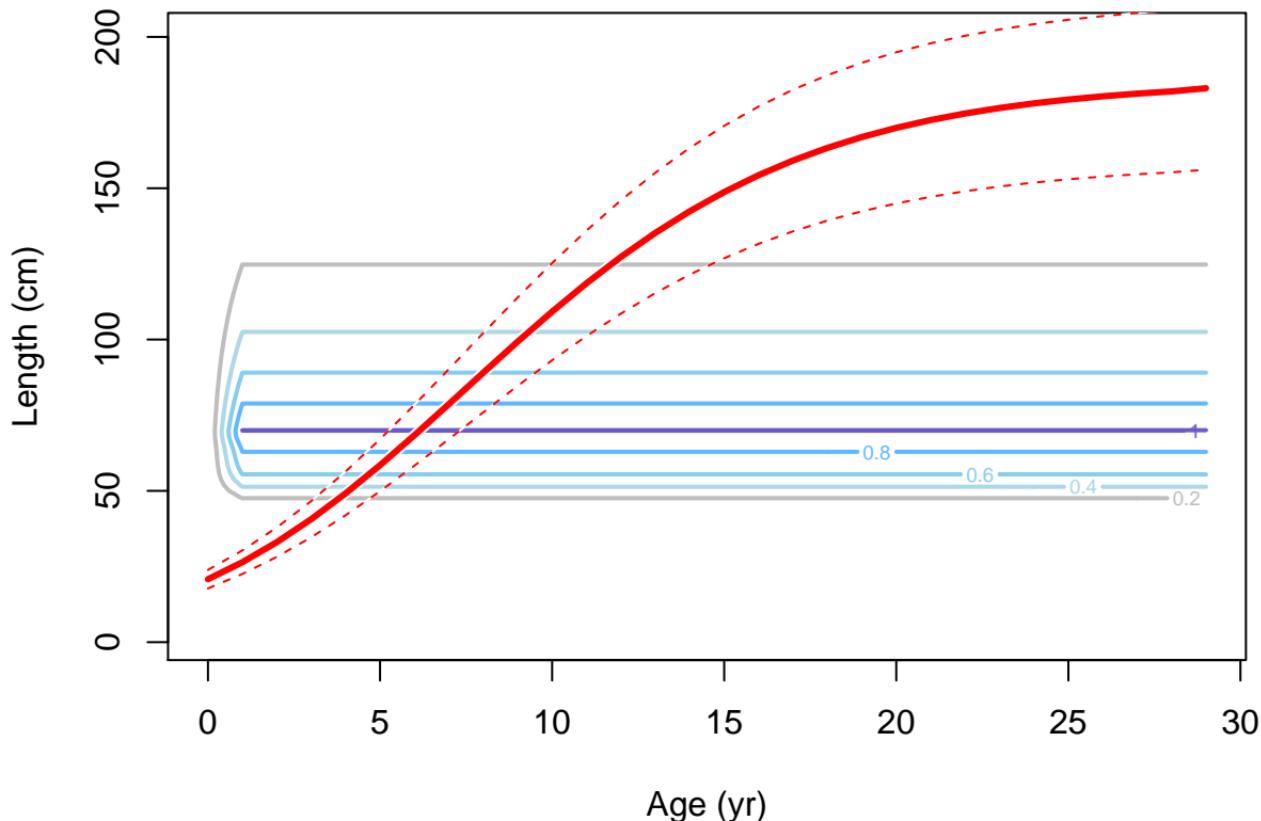
Female ending year selectivity and growth for F10-OBJ_S_Q23



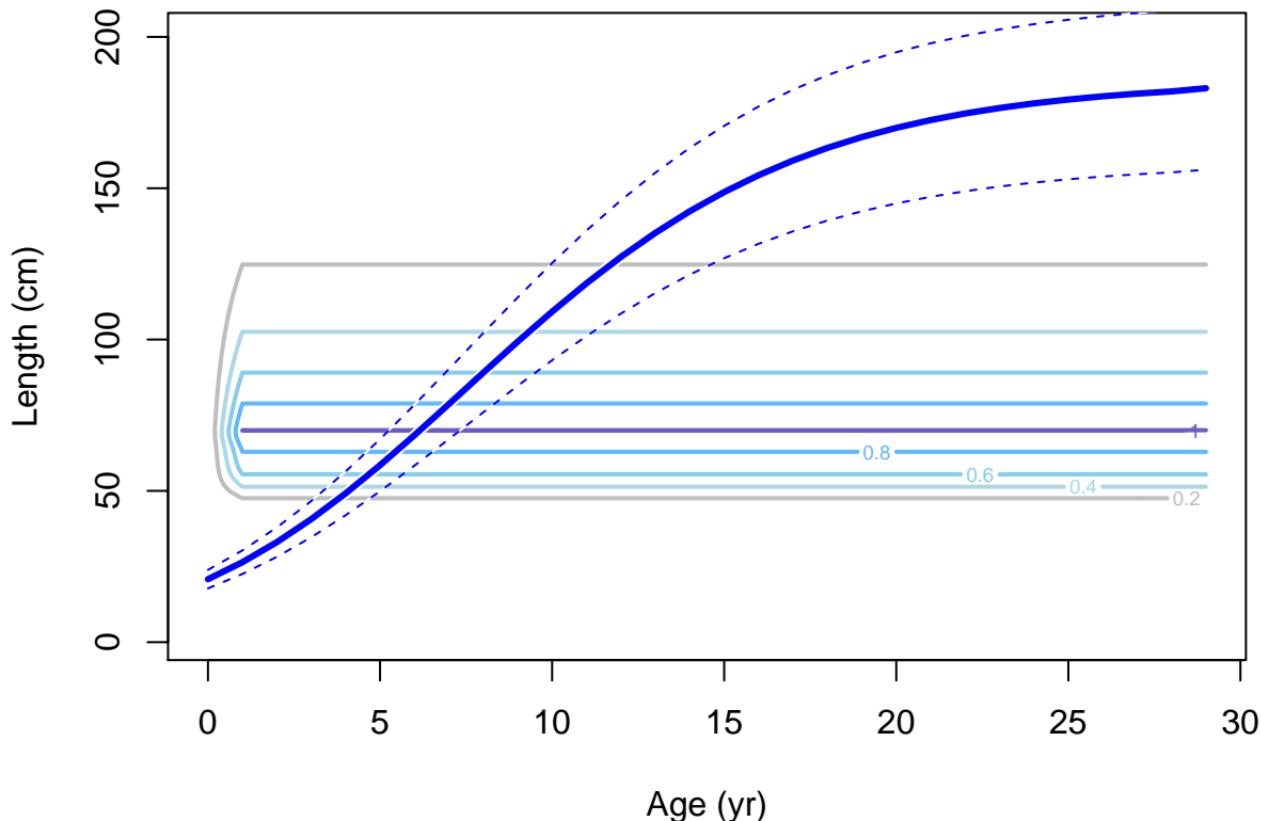
Male ending year selectivity and growth for F10-OBJ_S_Q23



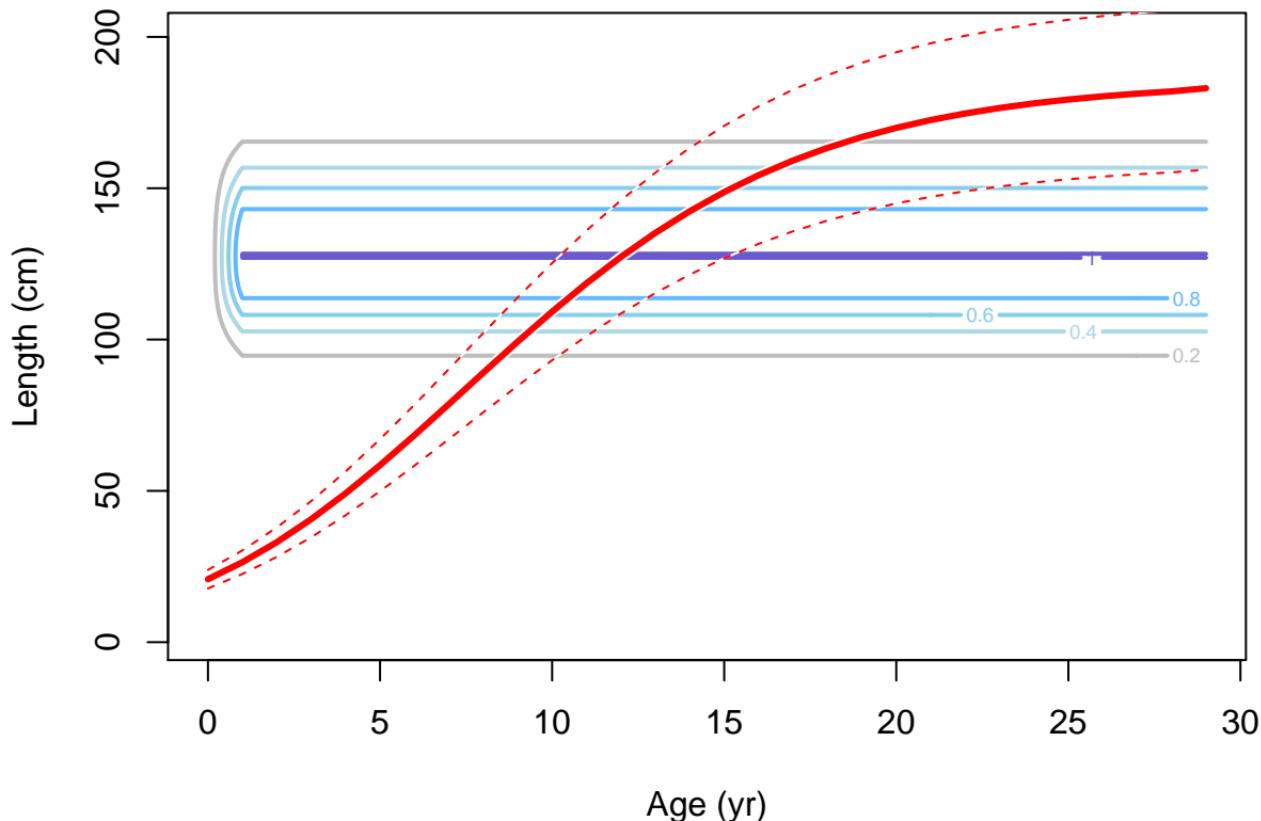
Female ending year selectivity and growth for F11–NOA_N



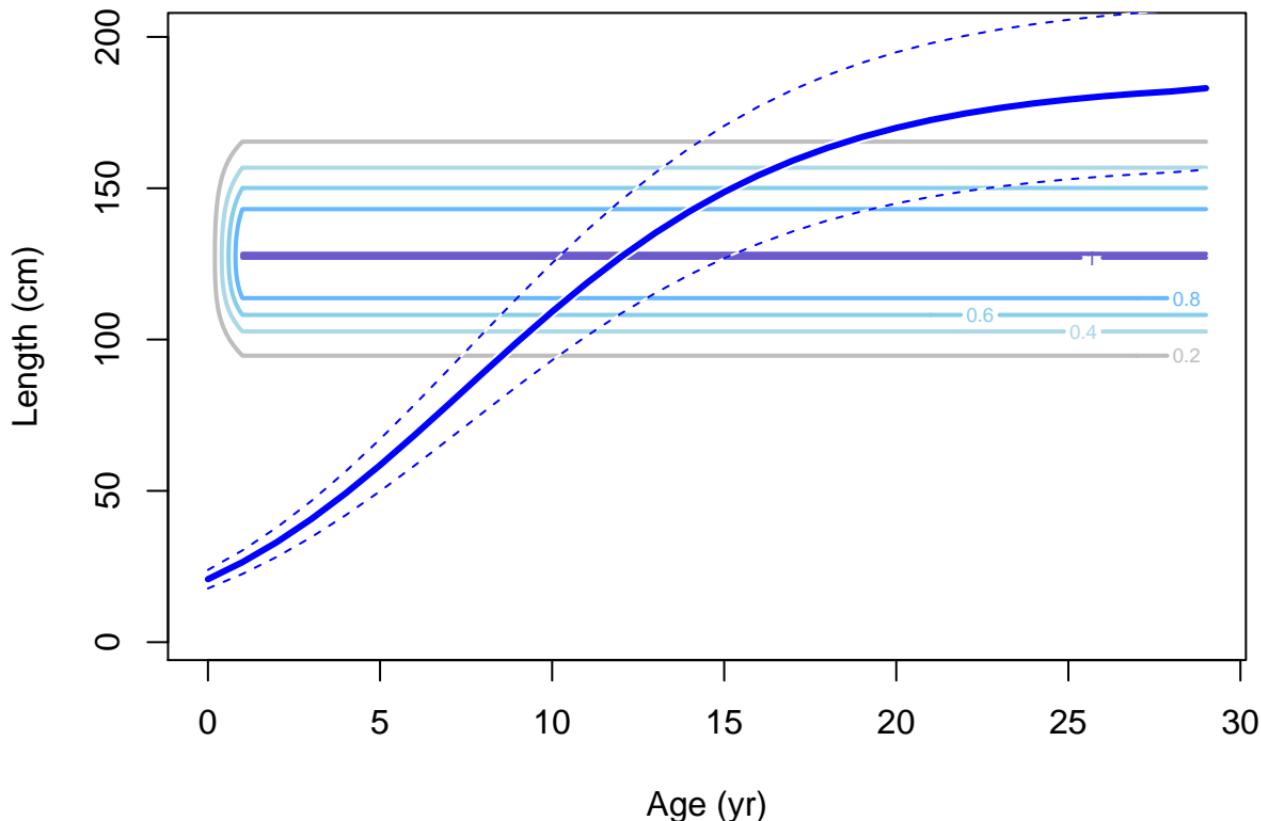
Male ending year selectivity and growth for F11-NOA_N



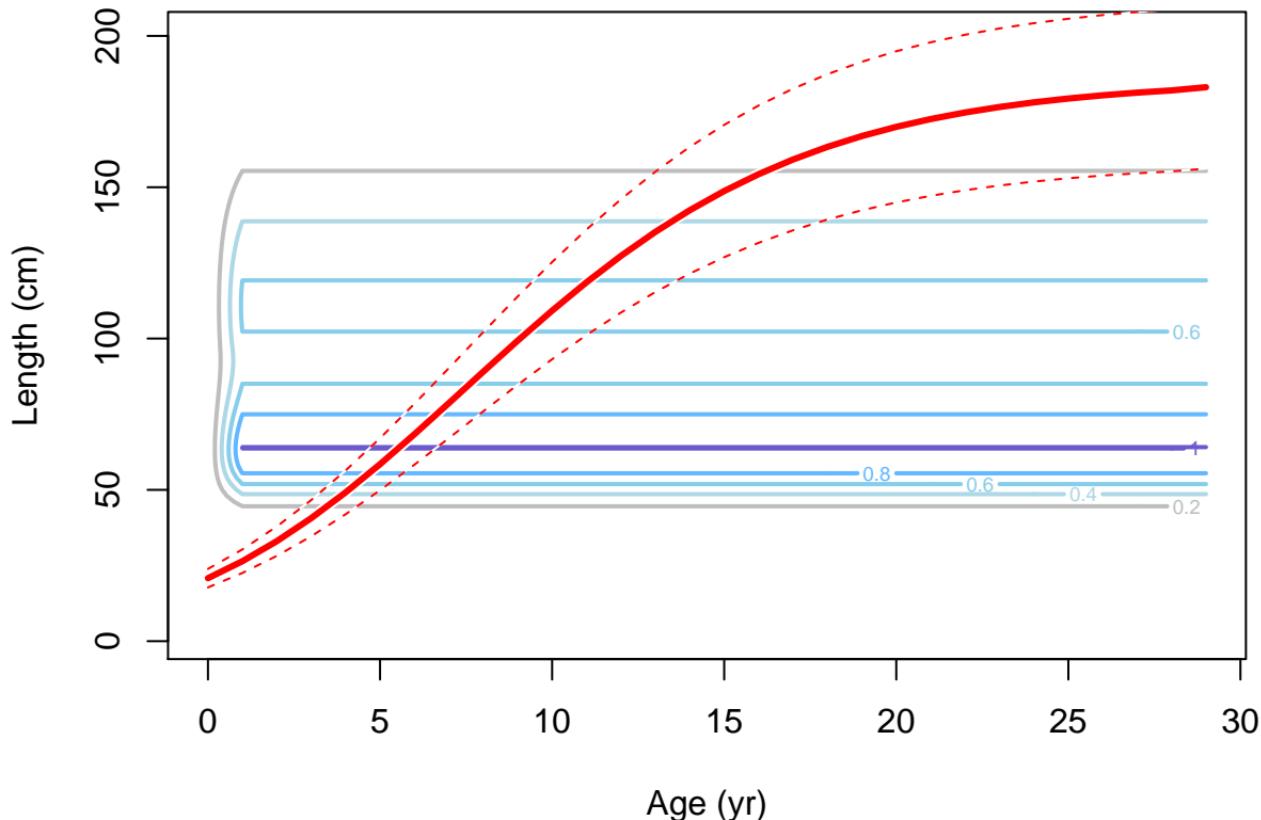
Female ending year selectivity and growth for F12–NOA_C



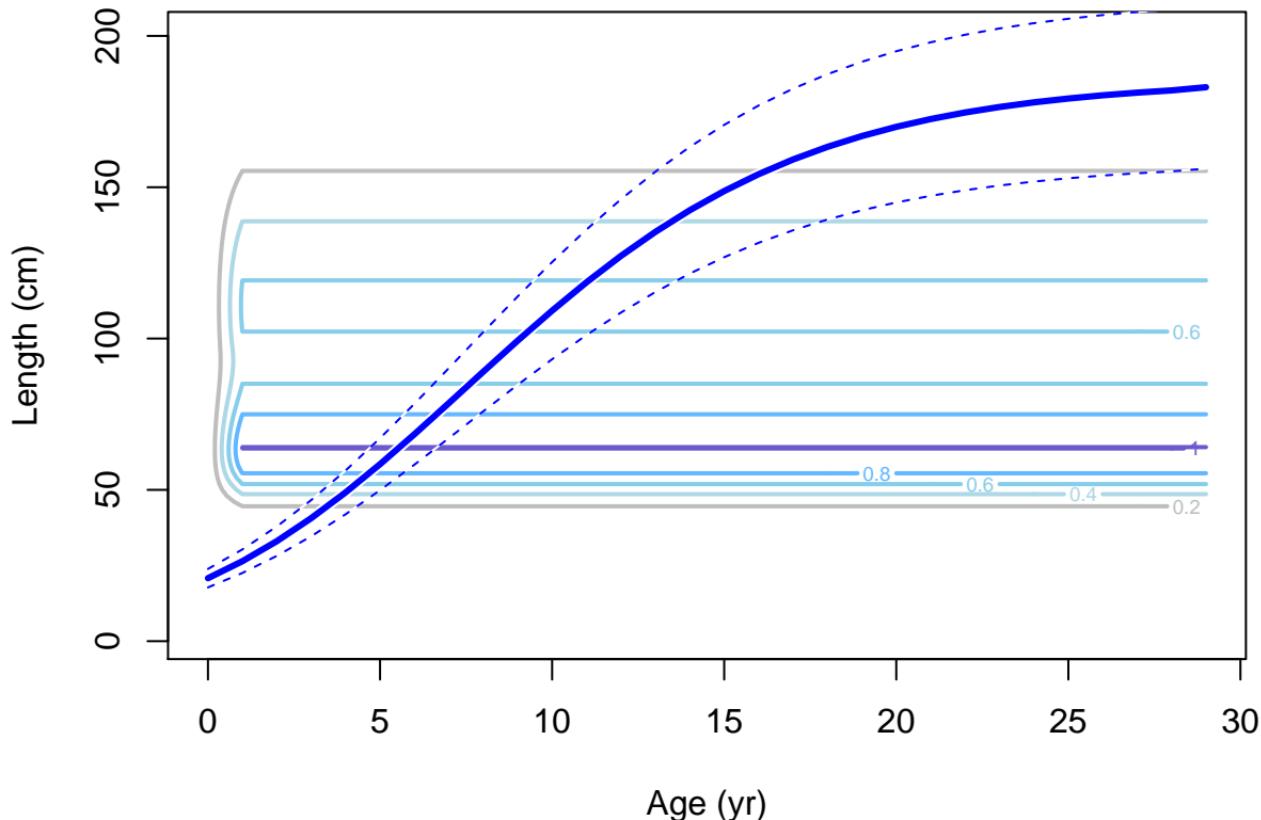
Male ending year selectivity and growth for F12-NOA_C



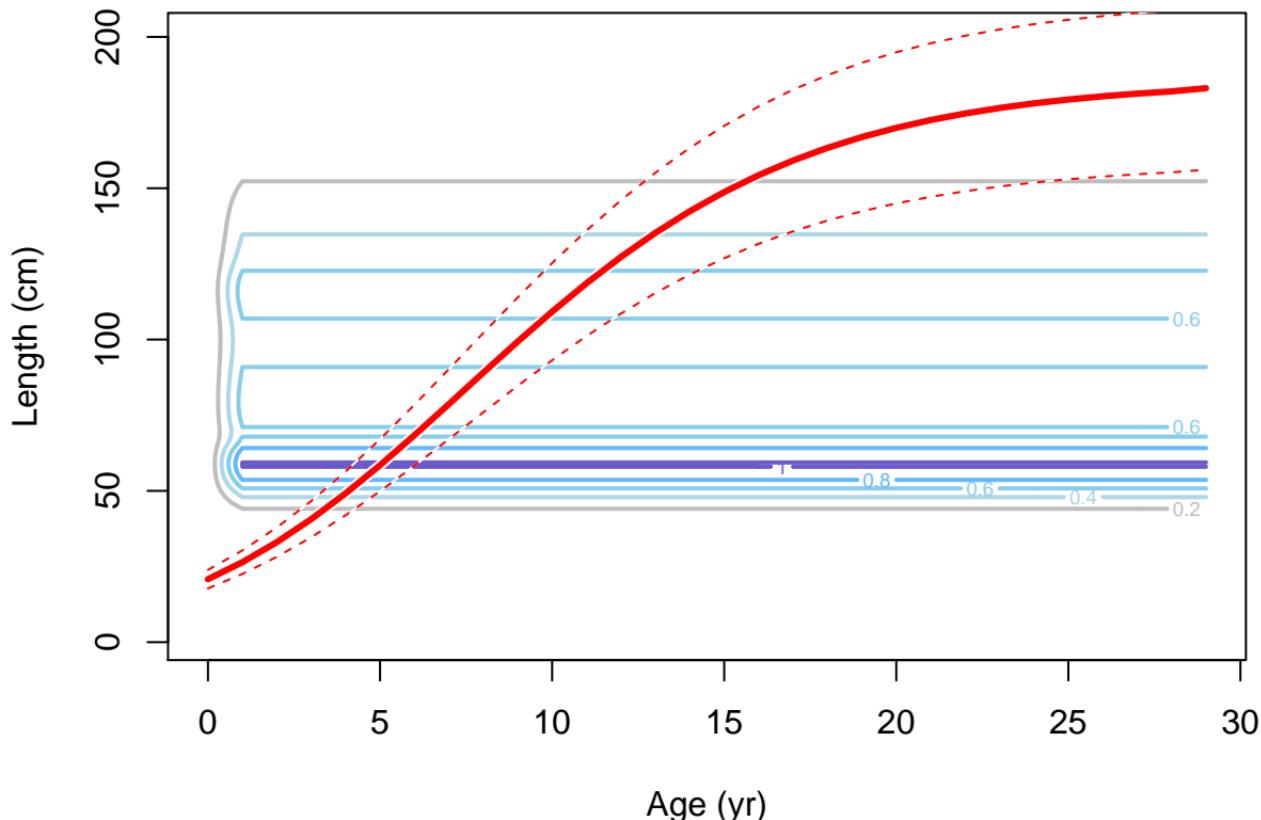
Female ending year selectivity and growth for F13–NOA_I



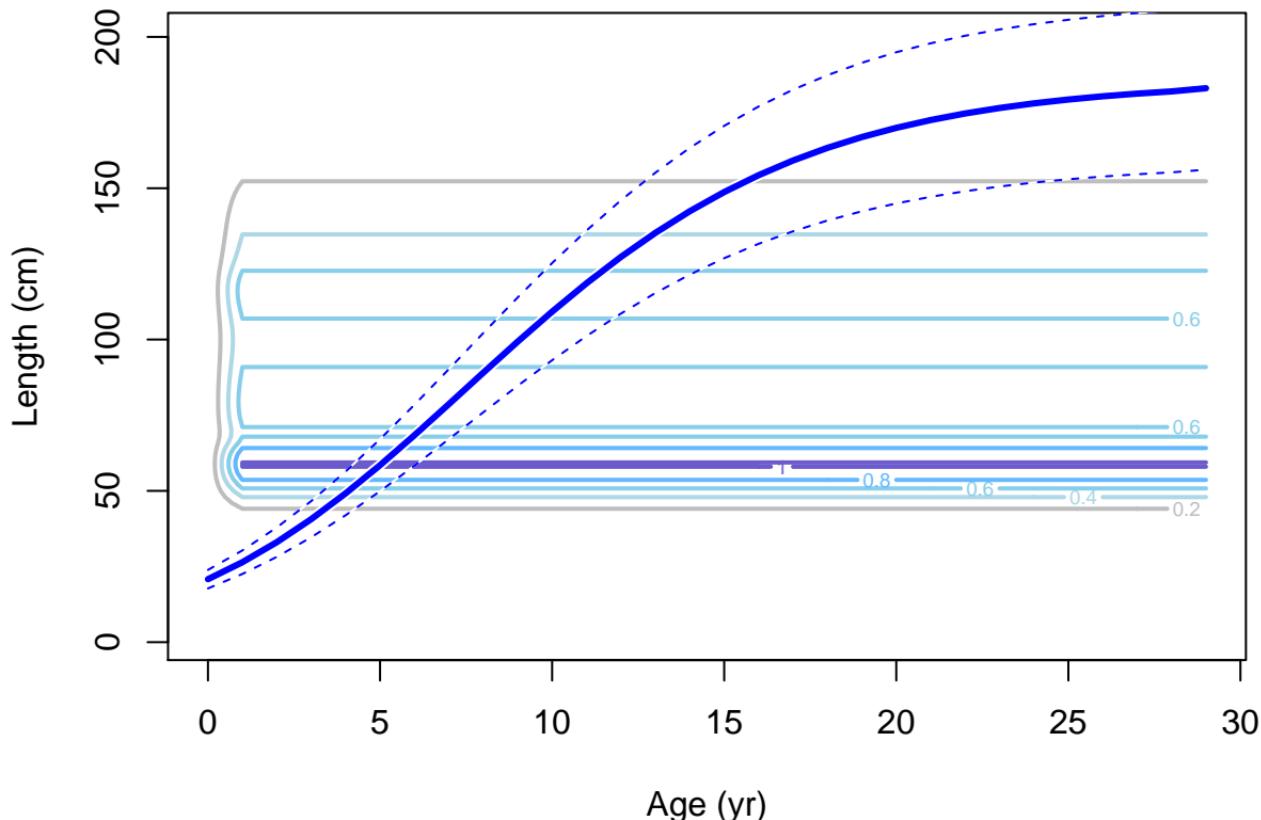
Male ending year selectivity and growth for F13–NOA_I



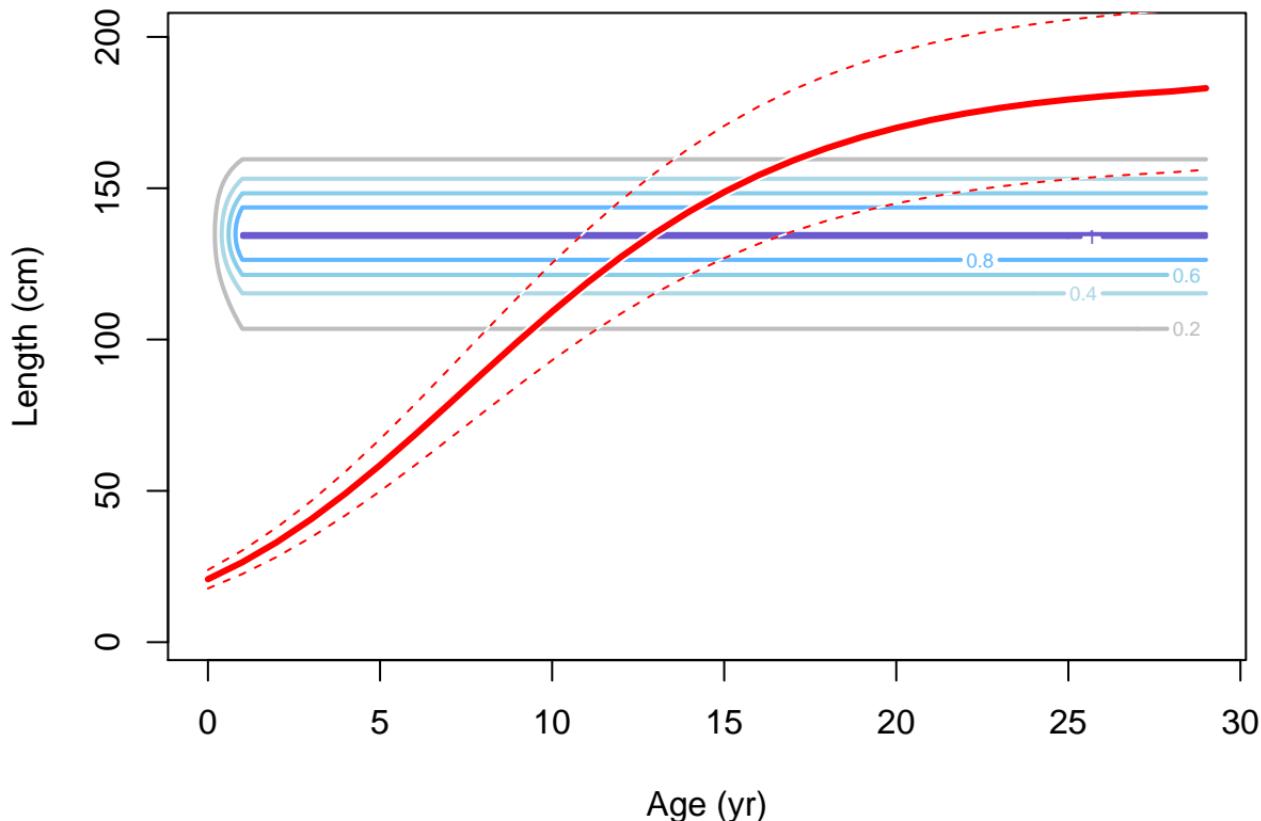
Female ending year selectivity and growth for F14–NOA_S



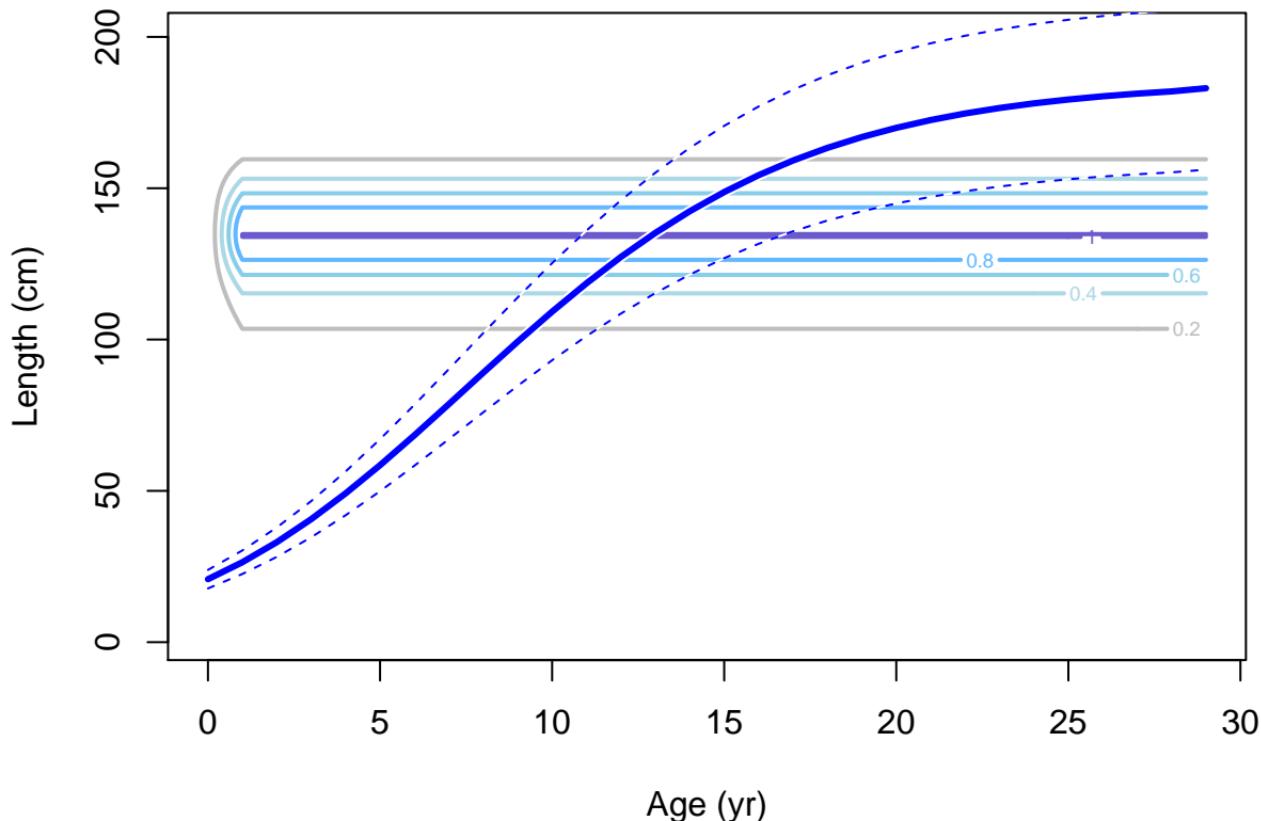
Male ending year selectivity and growth for F14-NOA_S



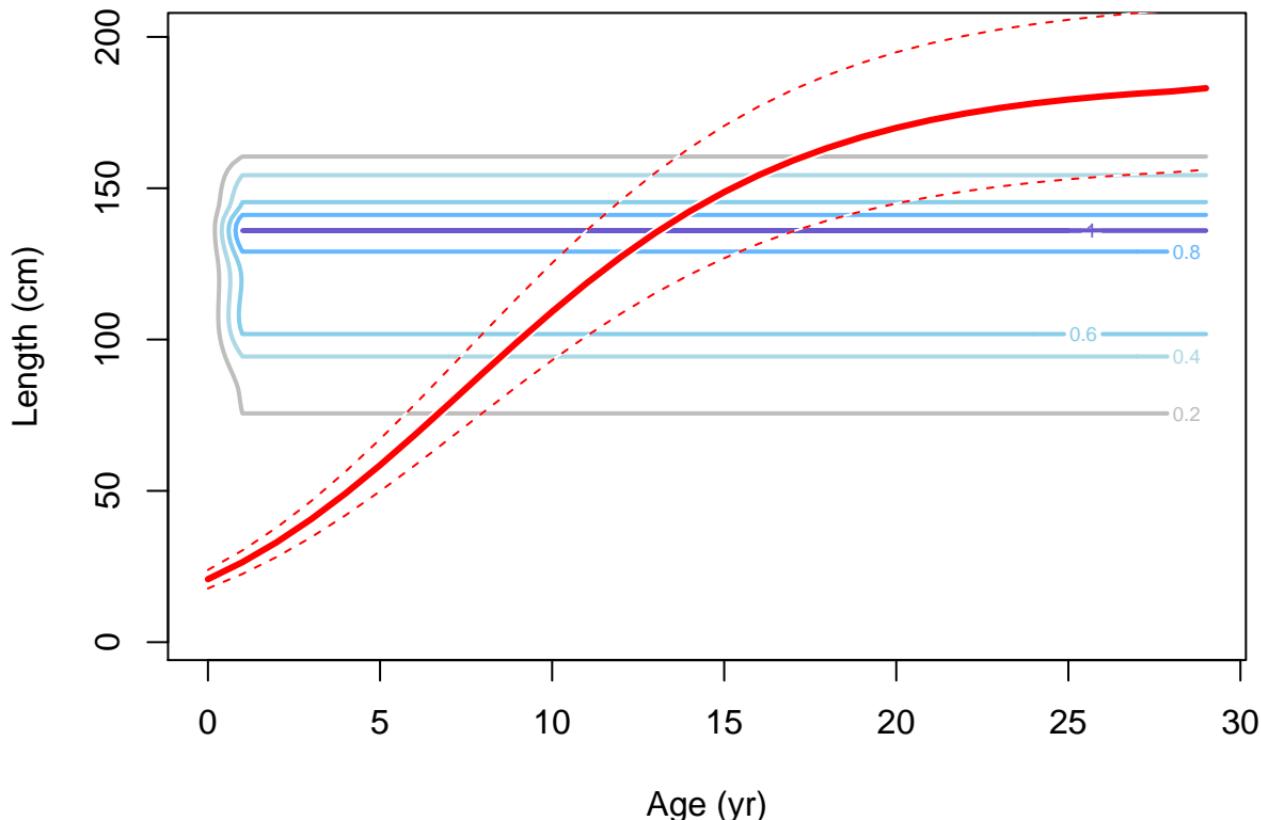
Female ending year selectivity and growth for F15-DEL_N



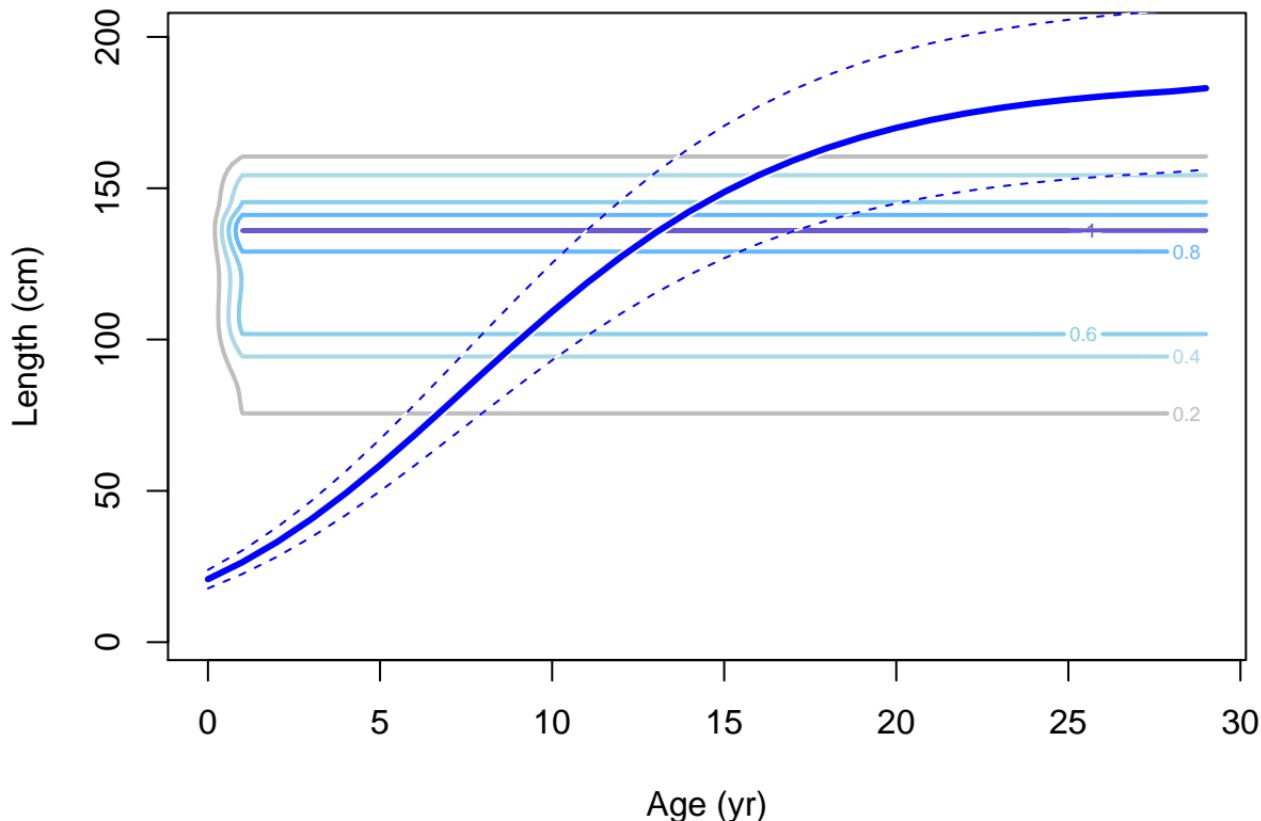
Male ending year selectivity and growth for F15-DEL_N



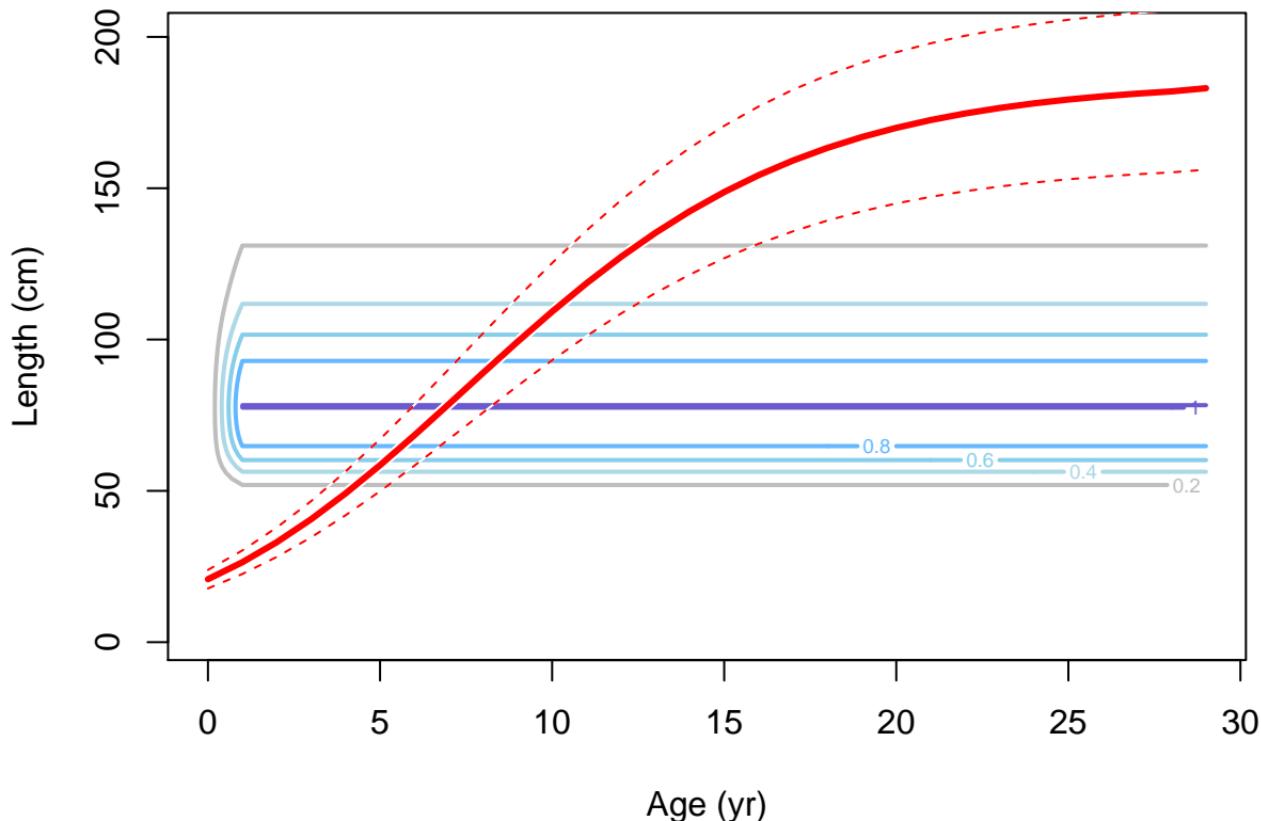
Female ending year selectivity and growth for F16-DEL_NE



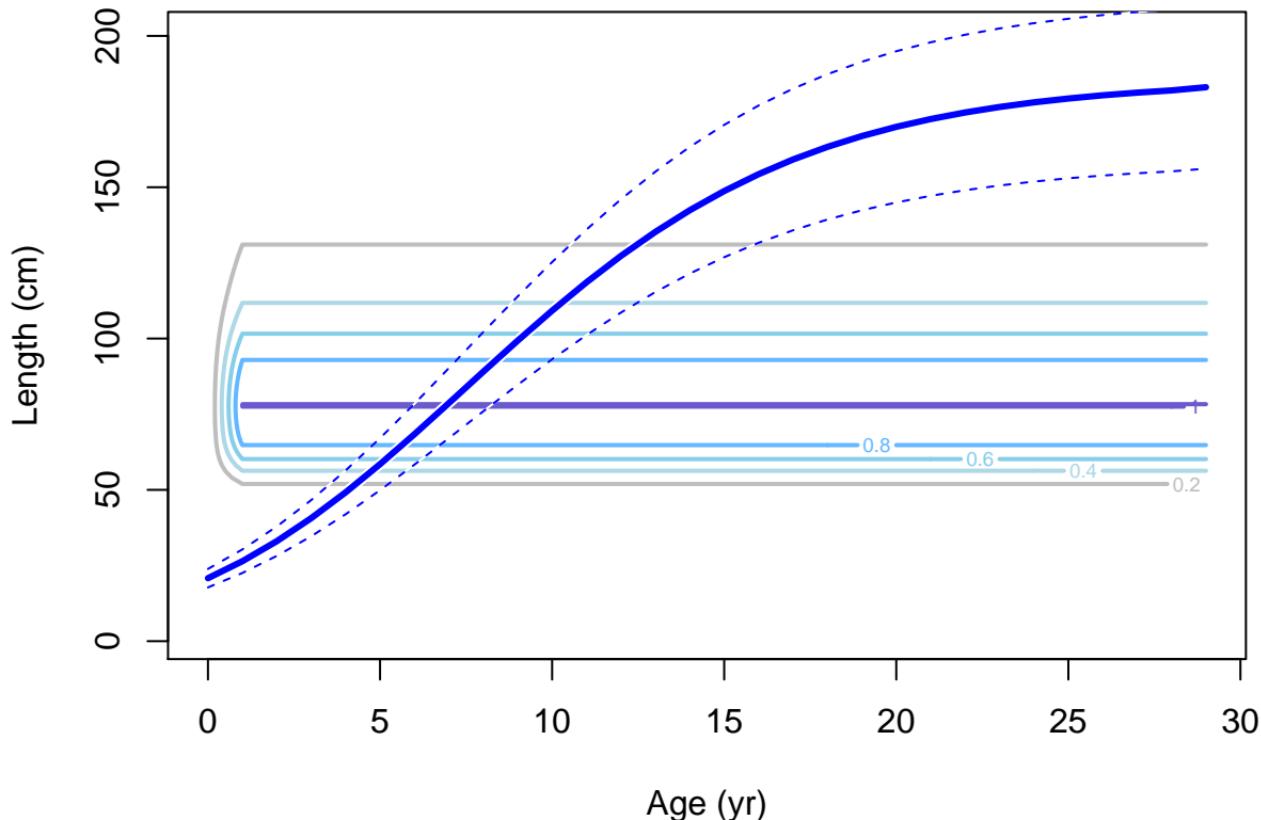
Male ending year selectivity and growth for F16-DEL_NE



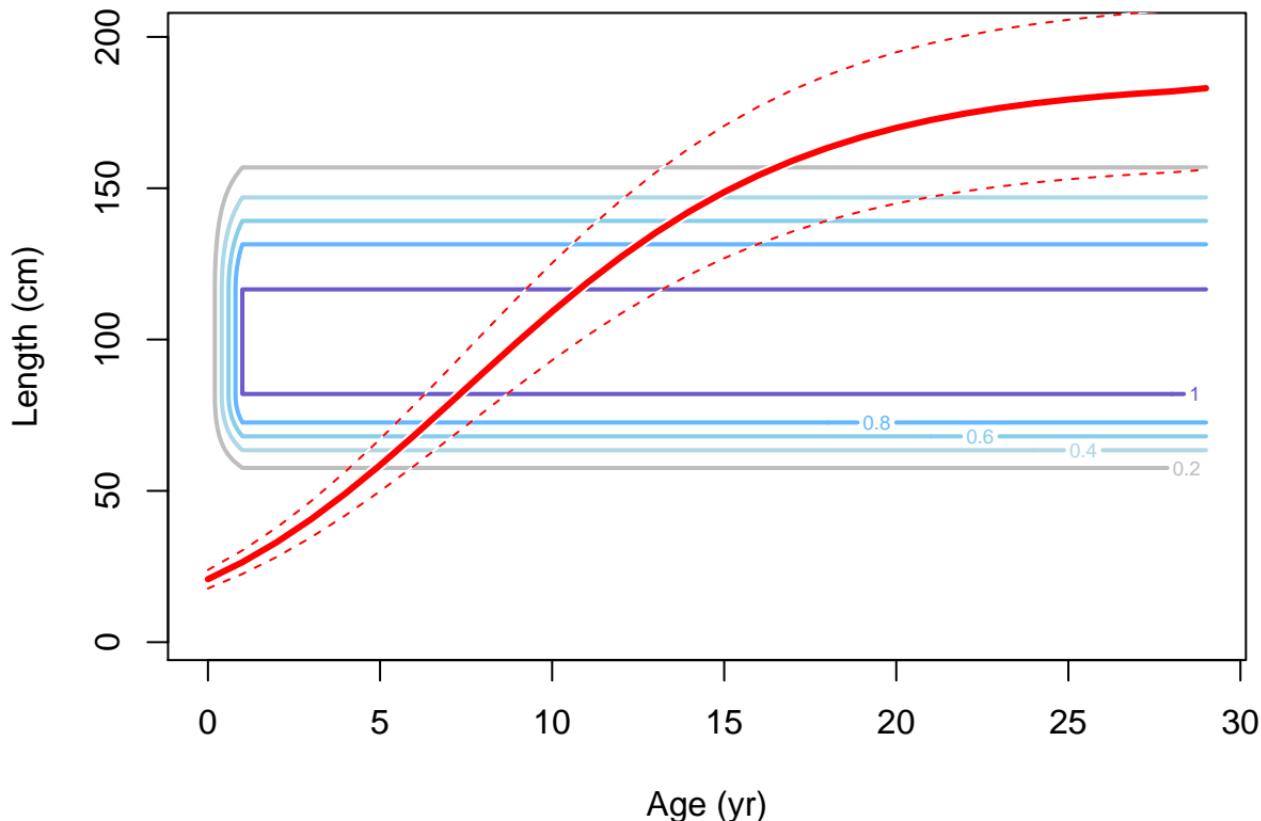
Female ending year selectivity and growth for F17-DEL_M



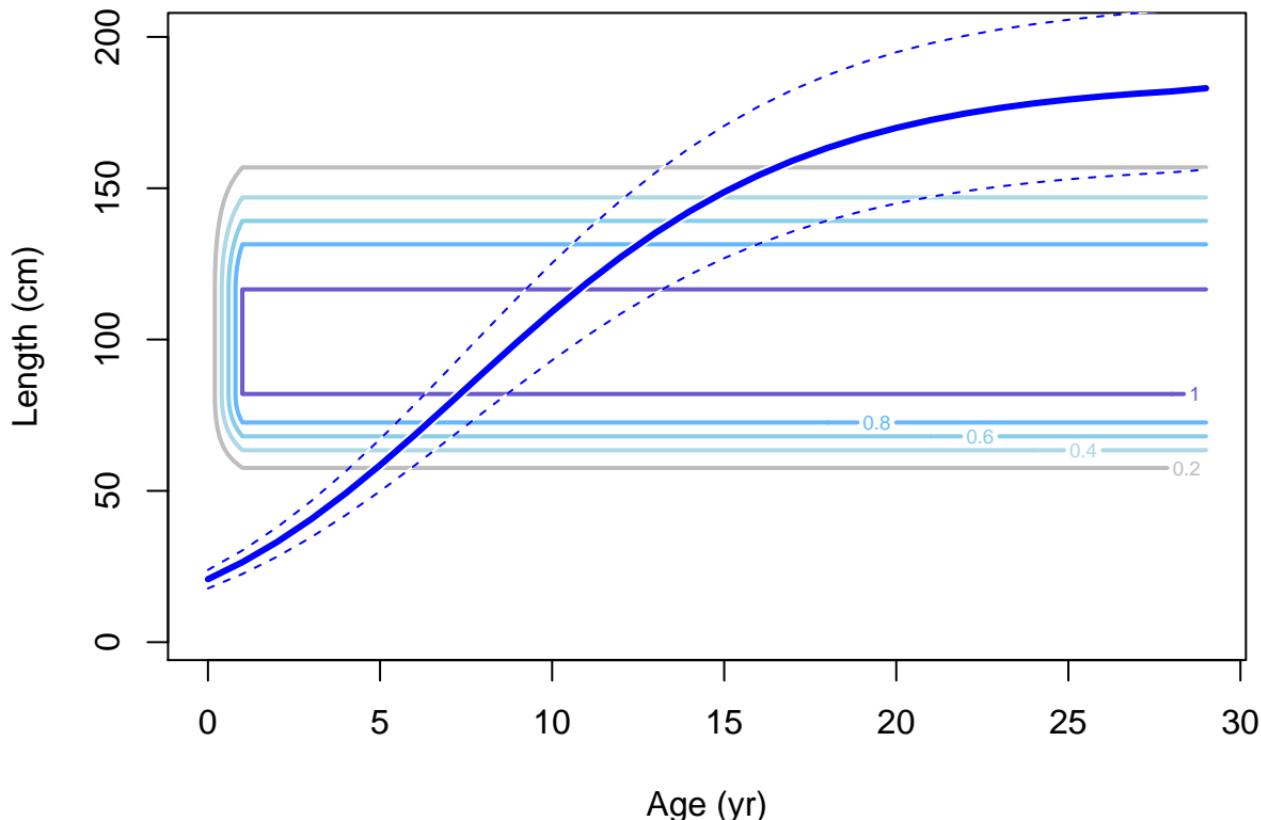
Male ending year selectivity and growth for F17-DEL_M



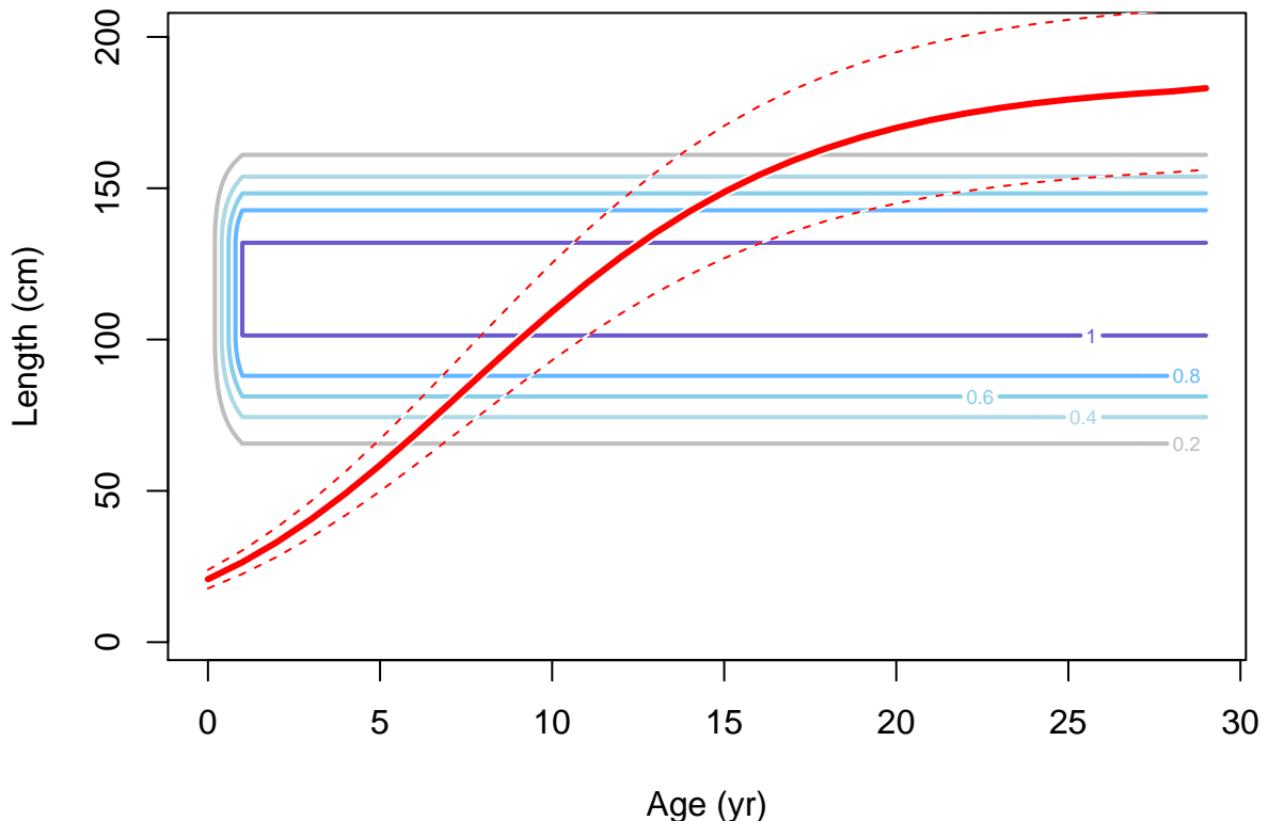
Female ending year selectivity and growth for F18-DEL_C



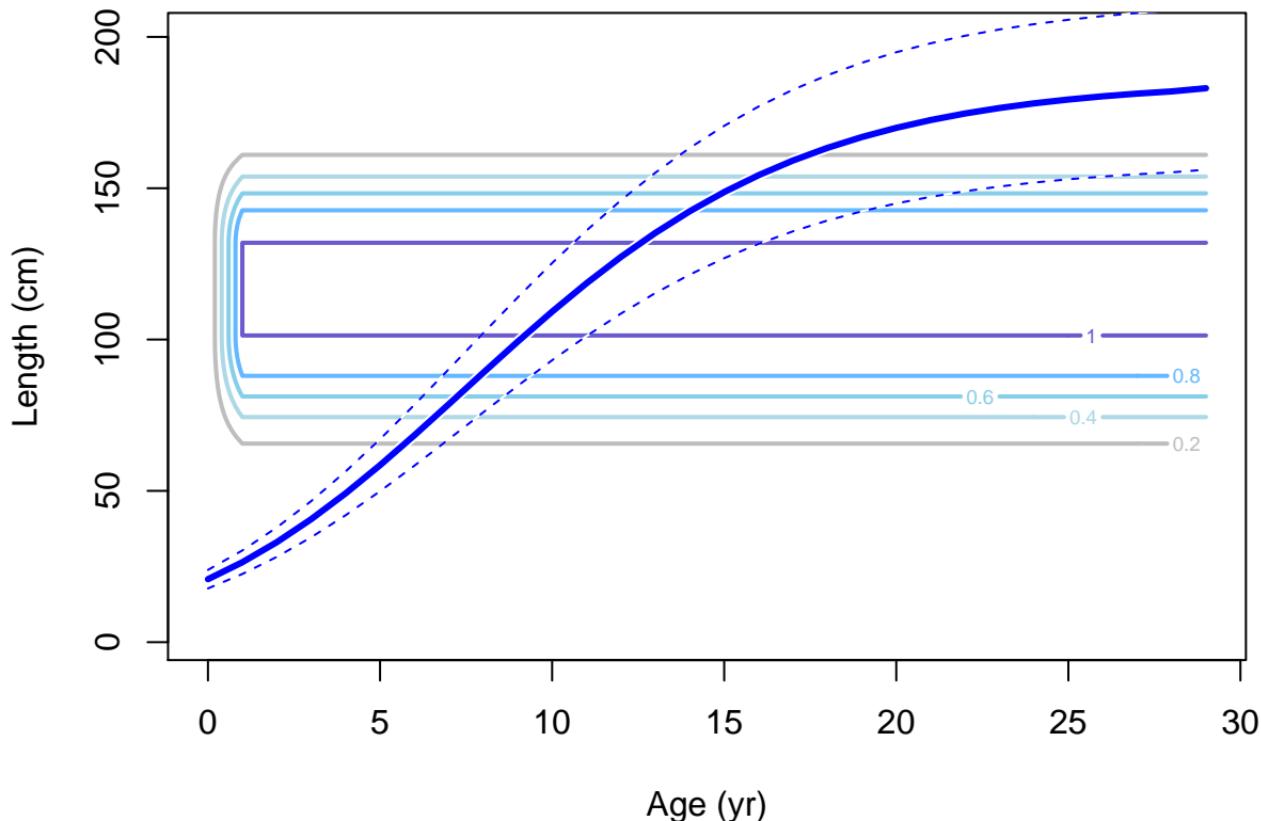
Male ending year selectivity and growth for F18-DEL_C



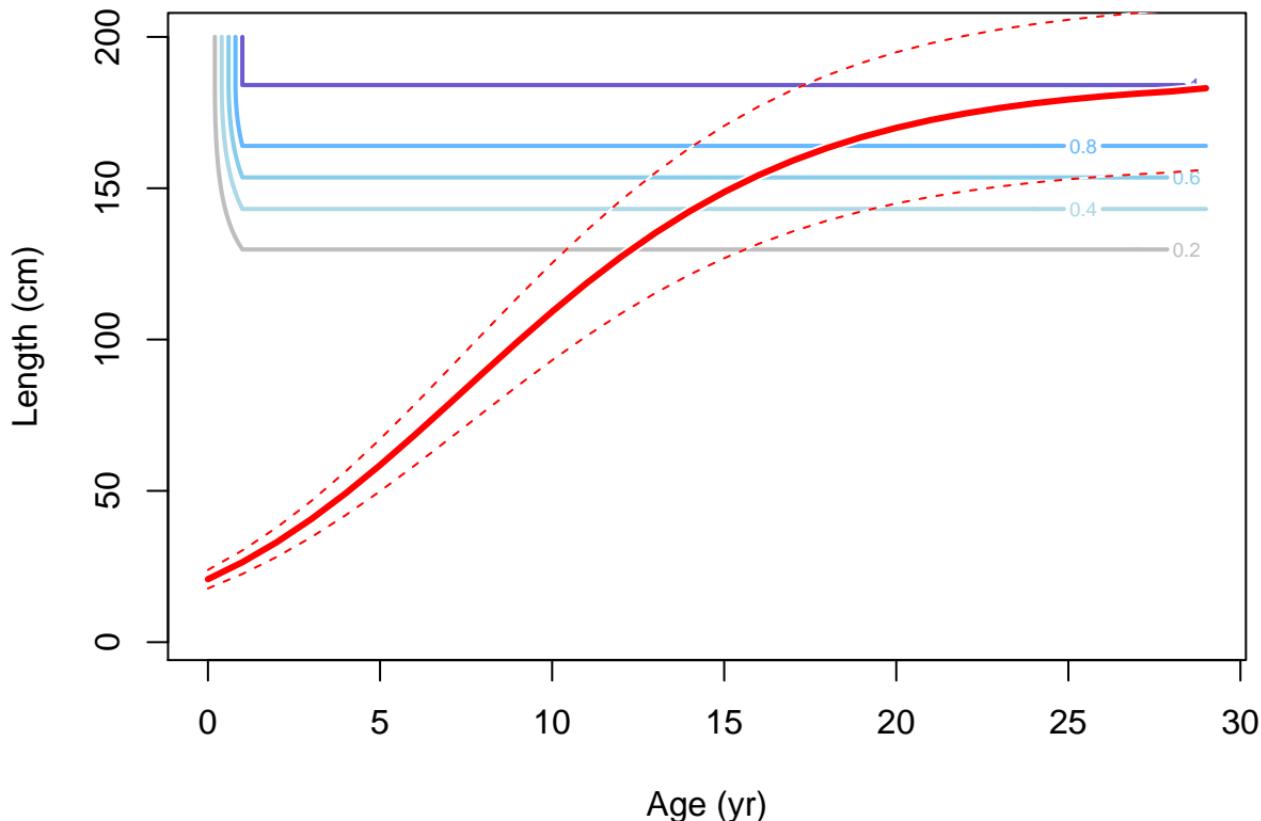
Female ending year selectivity and growth for F19-DEL_P



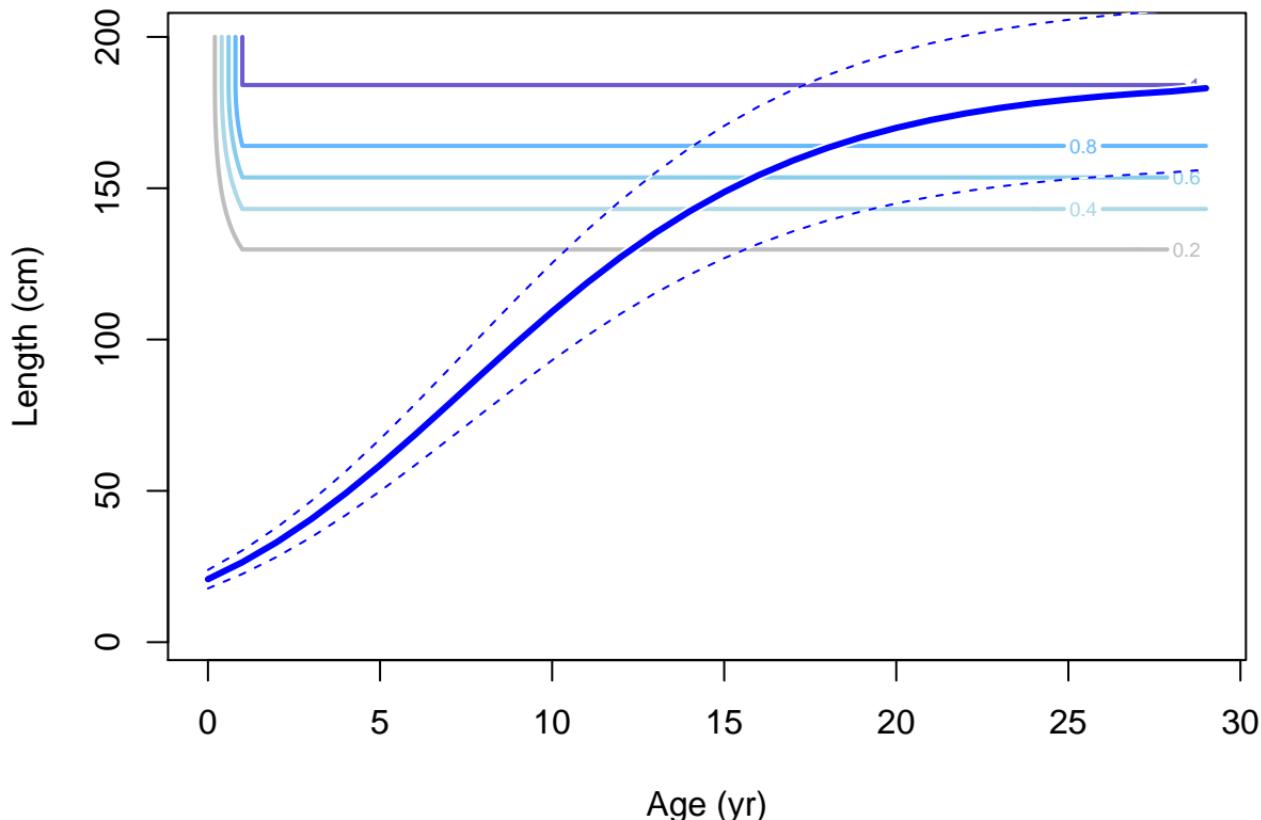
Male ending year selectivity and growth for F19-DEL_P



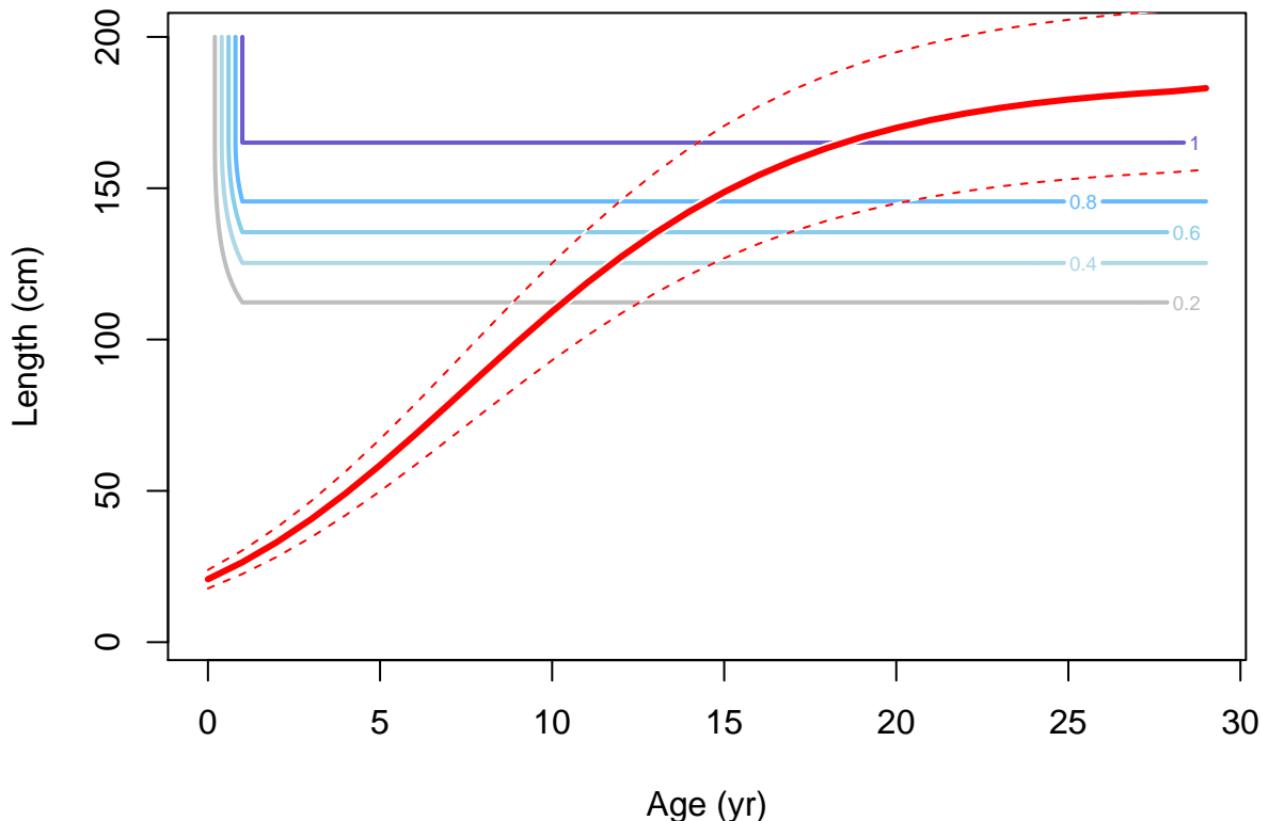
Female ending year selectivity and growth for F20-DEL_S



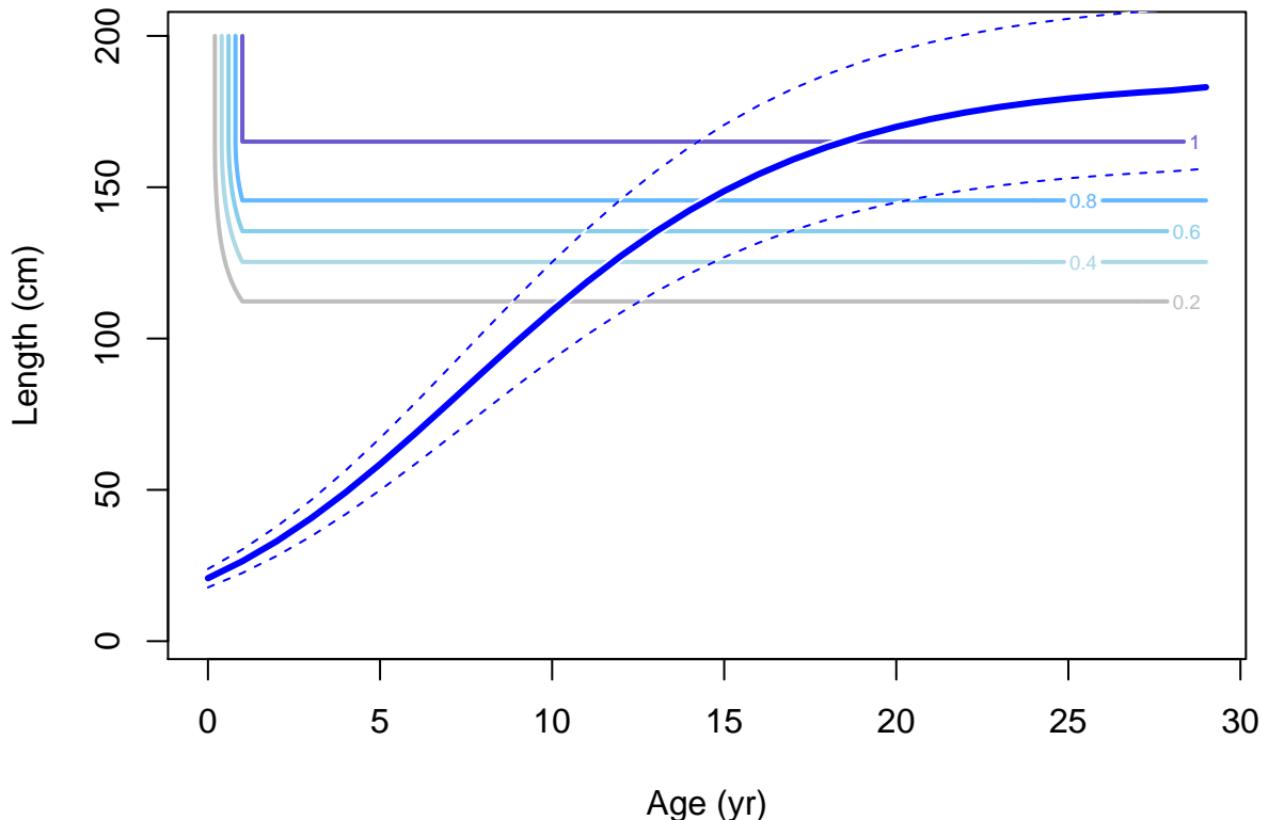
Male ending year selectivity and growth for F20-DEL_S



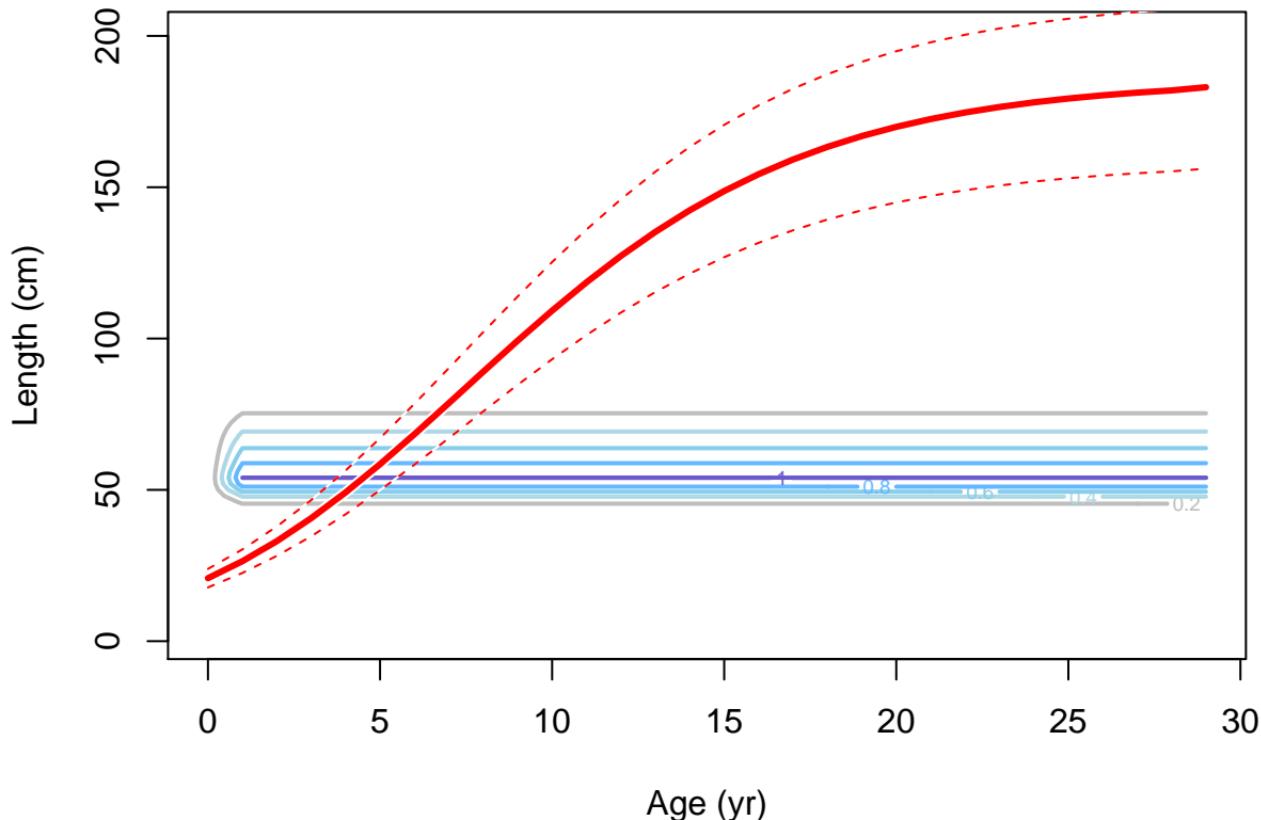
Female ending year selectivity and growth for F21-DEL_I



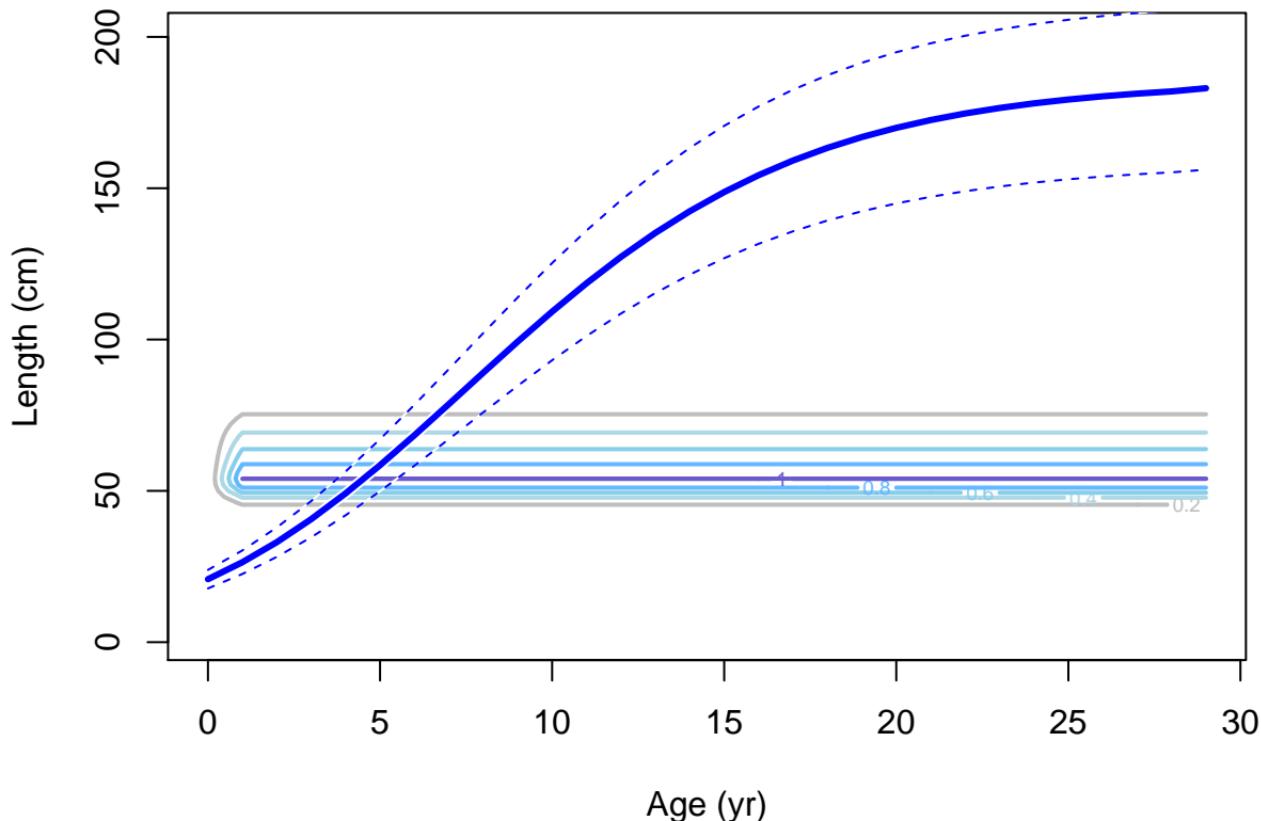
Male ending year selectivity and growth for F21-DEL_I



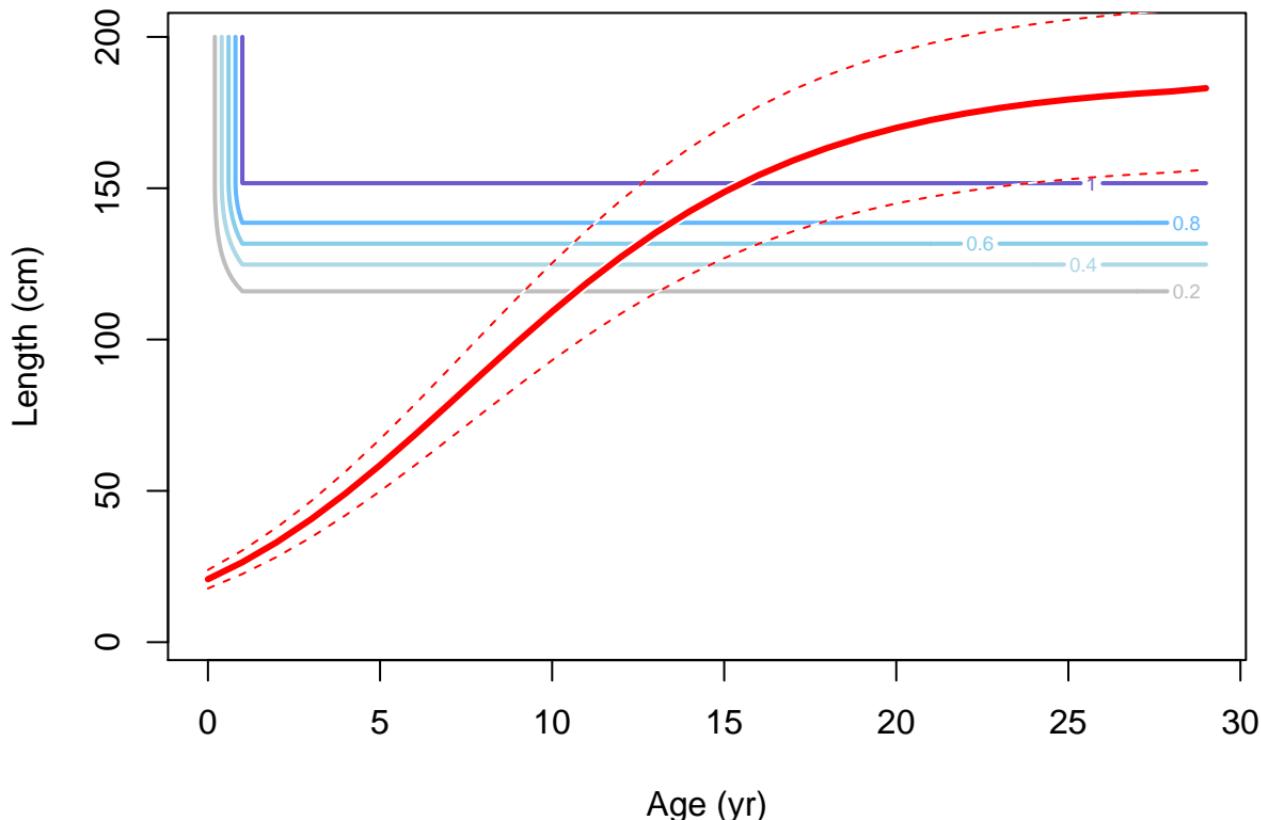
Female ending year selectivity and growth for F22-BB



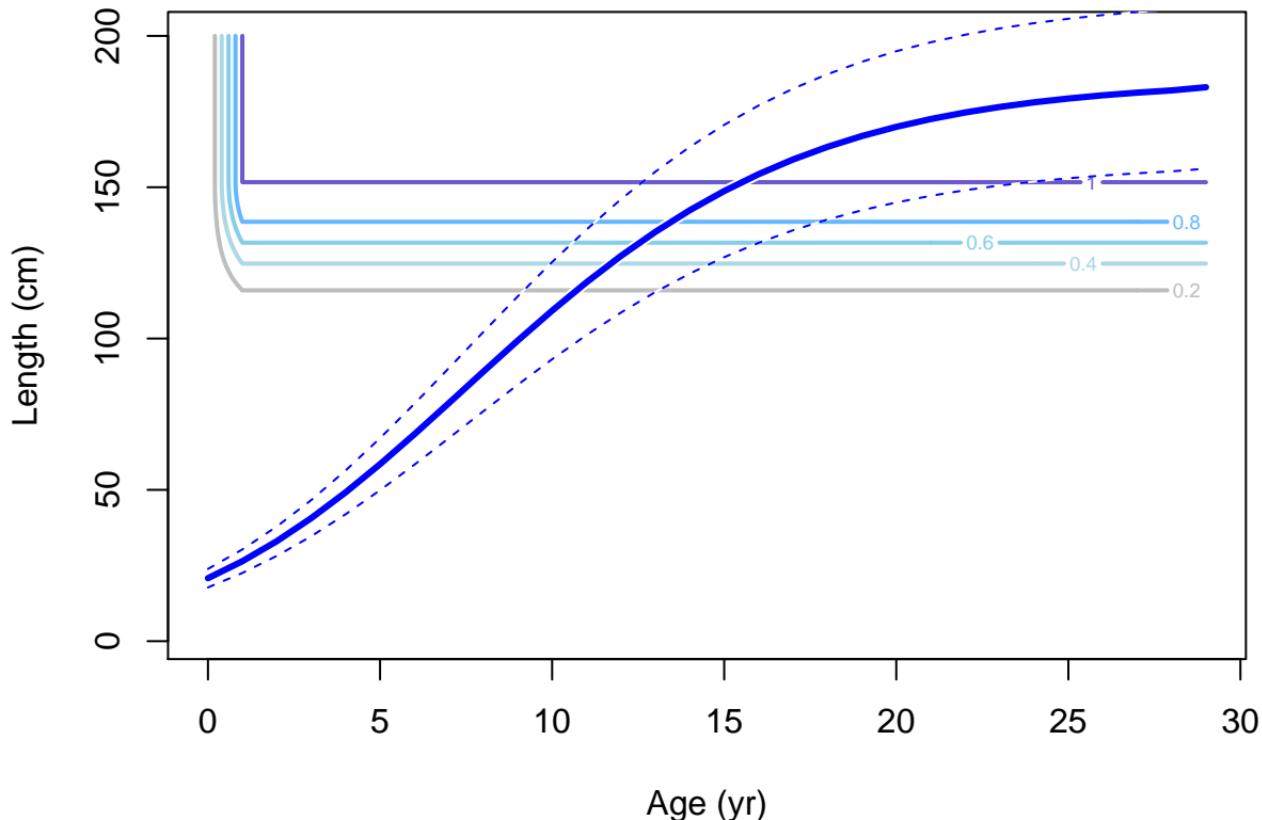
Male ending year selectivity and growth for F22-BB



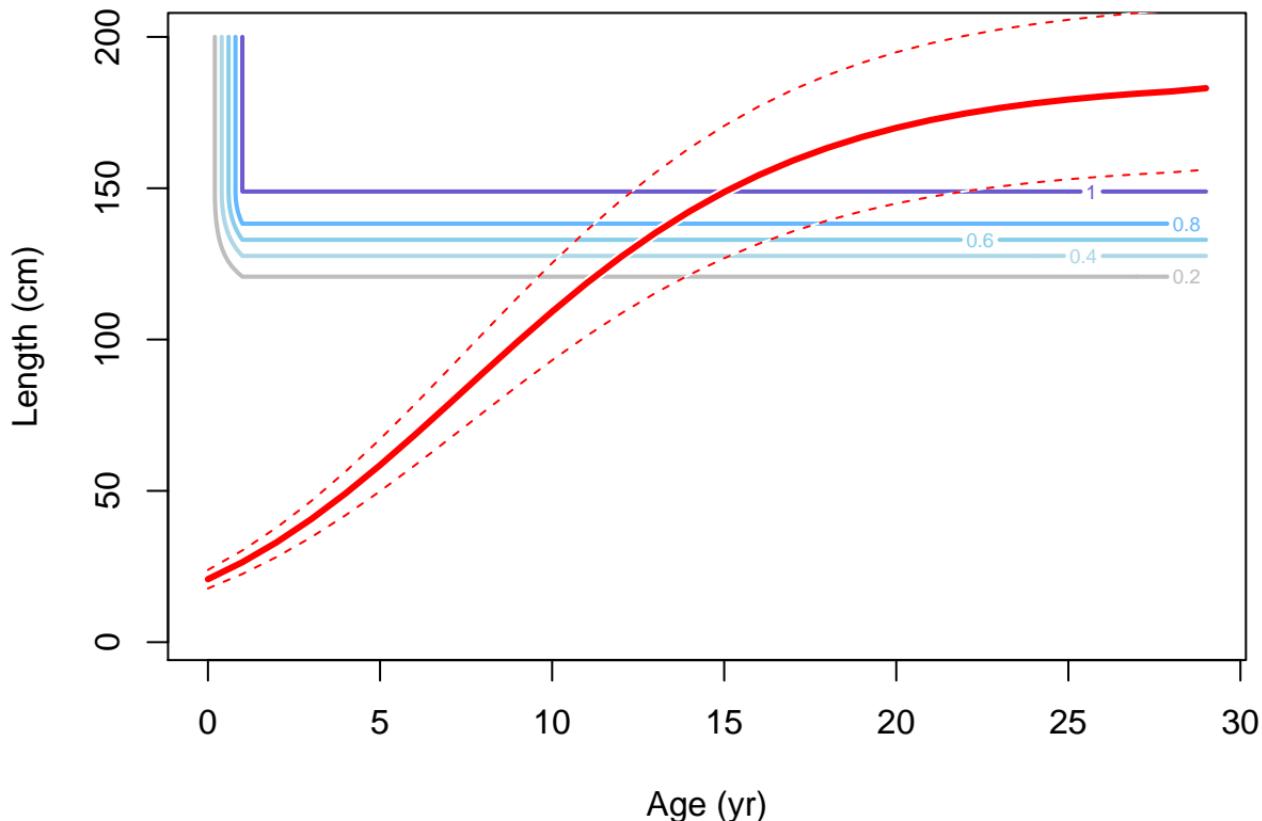
Female ending year selectivity and growth for F29-LL_W_Q14n



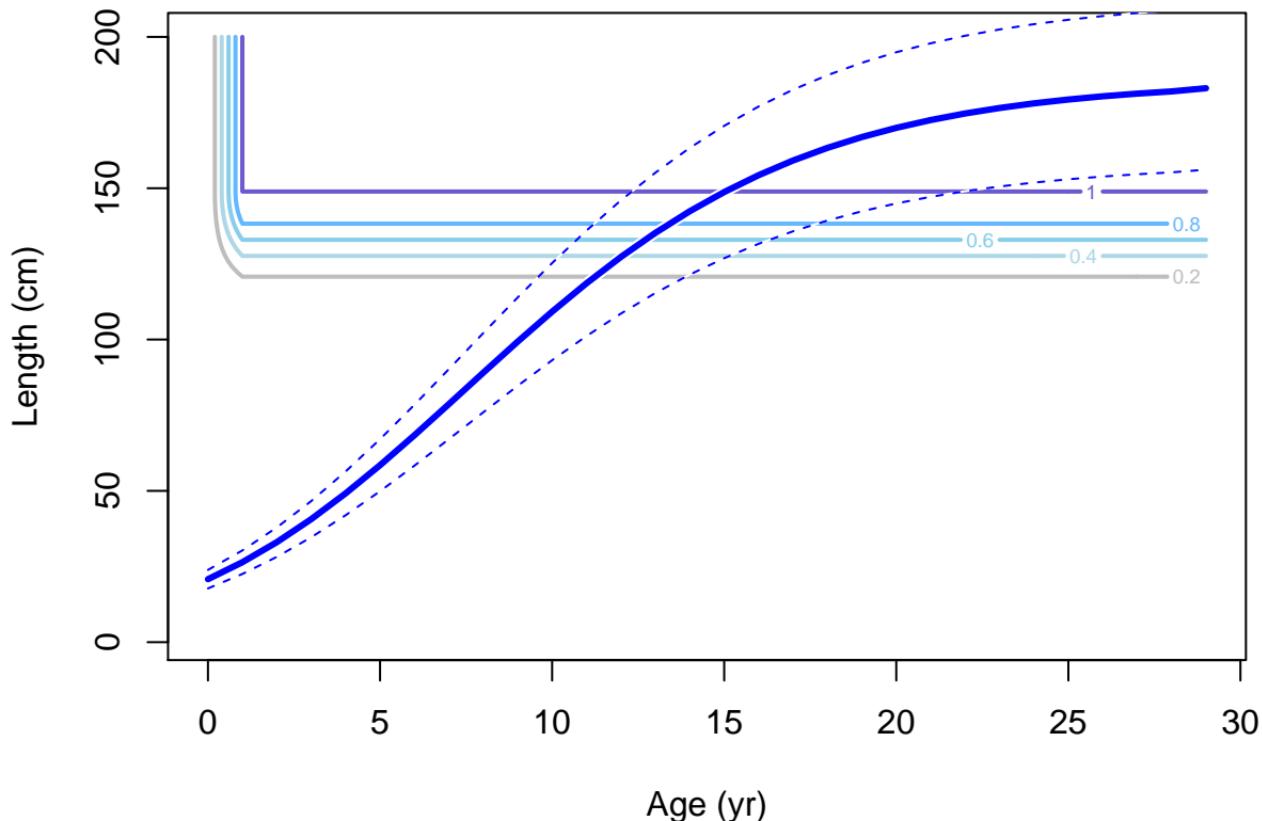
Male ending year selectivity and growth for F29–LL_W_Q14n



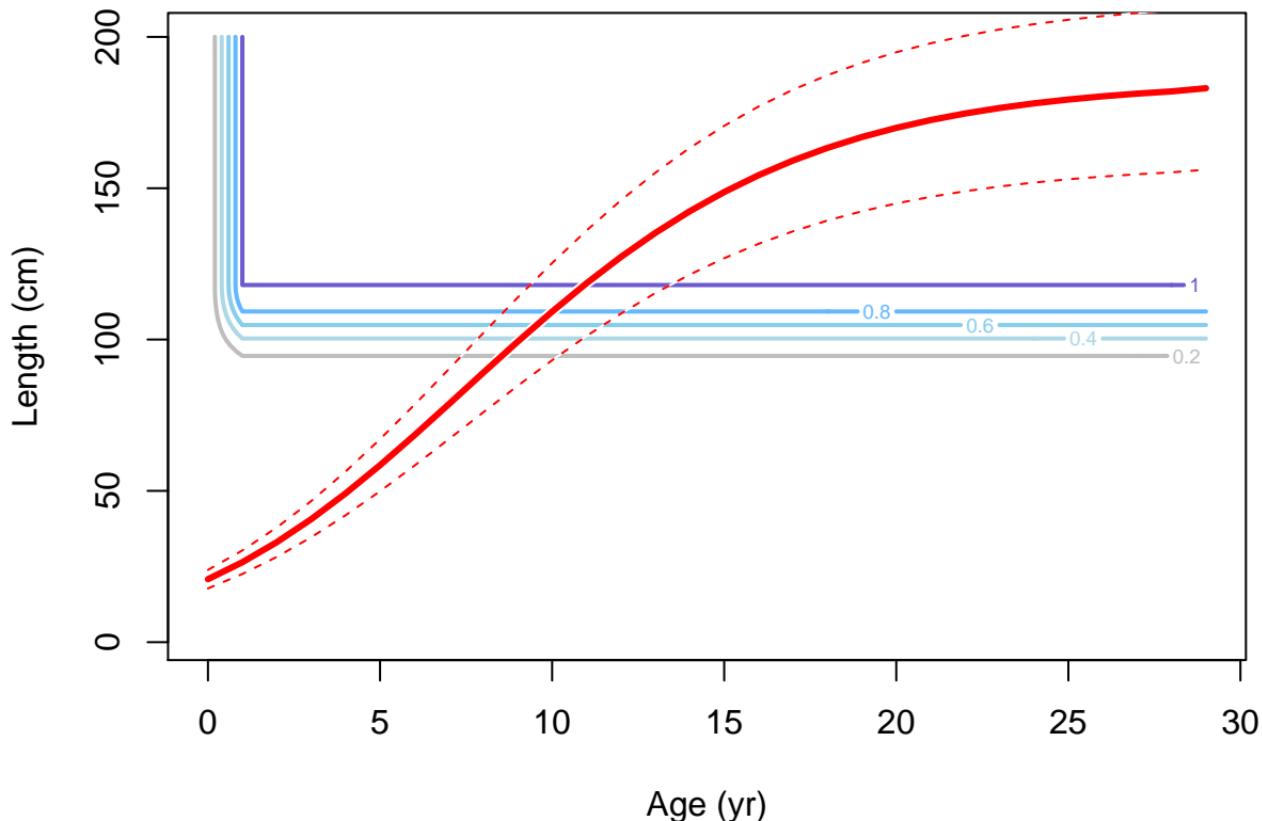
Female ending year selectivity and growth for F30-LL_C_Q14n



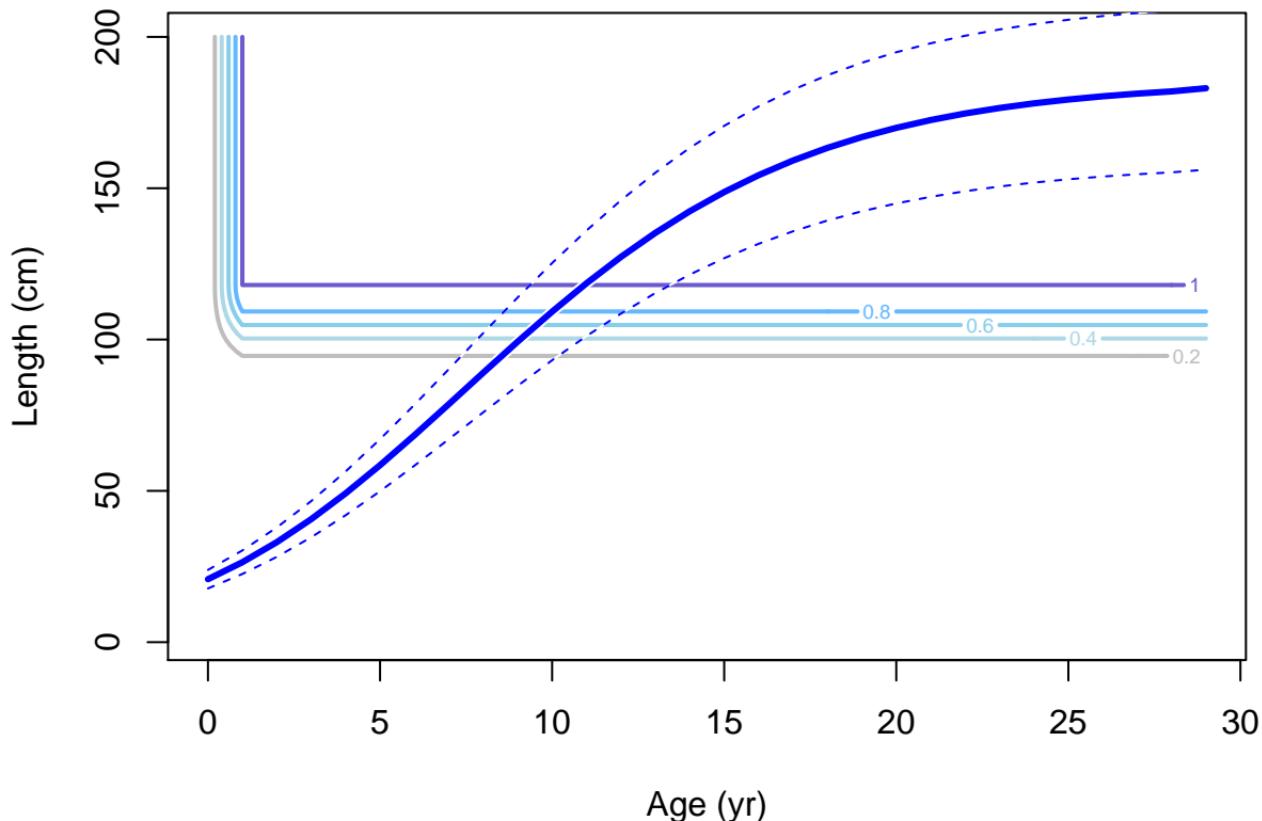
Male ending year selectivity and growth for F30-LL_C_Q14n



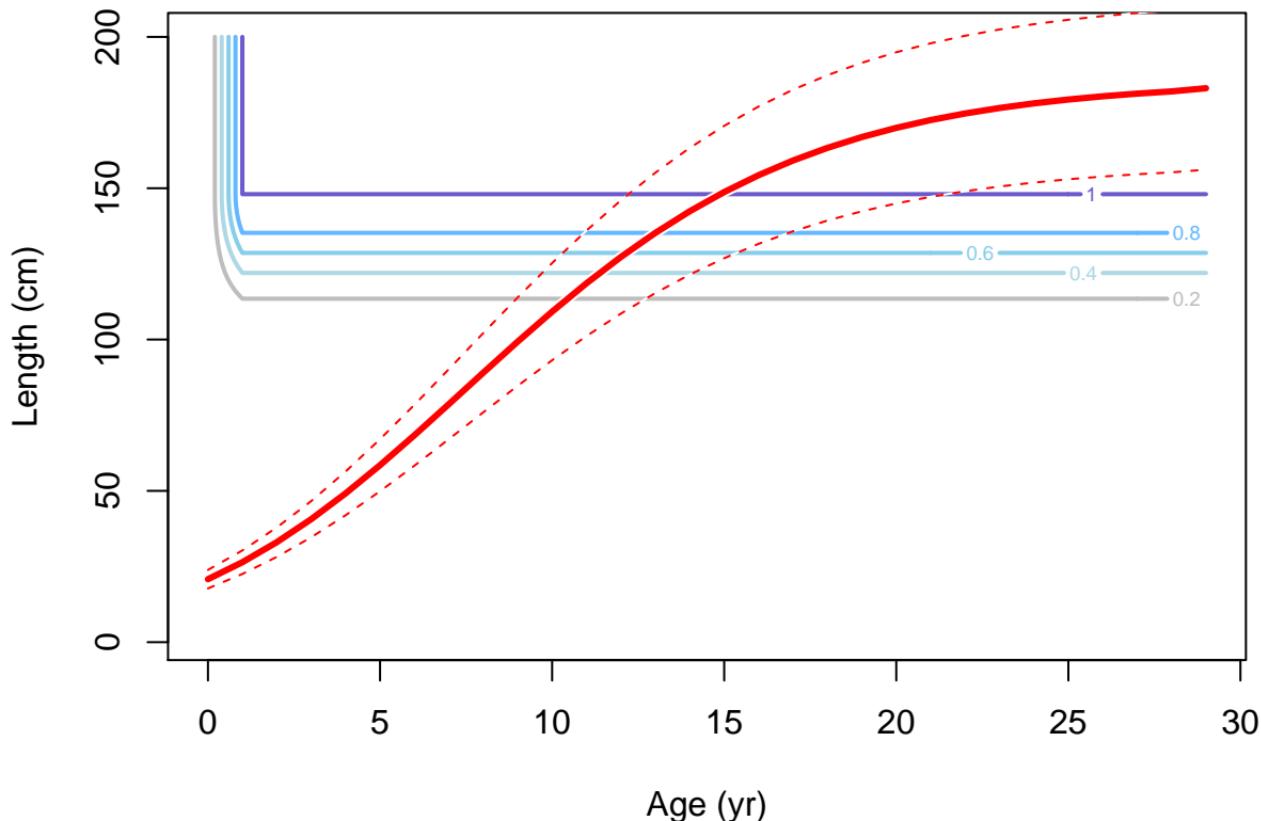
Female ending year selectivity and growth for F31-LL_E_Q14n



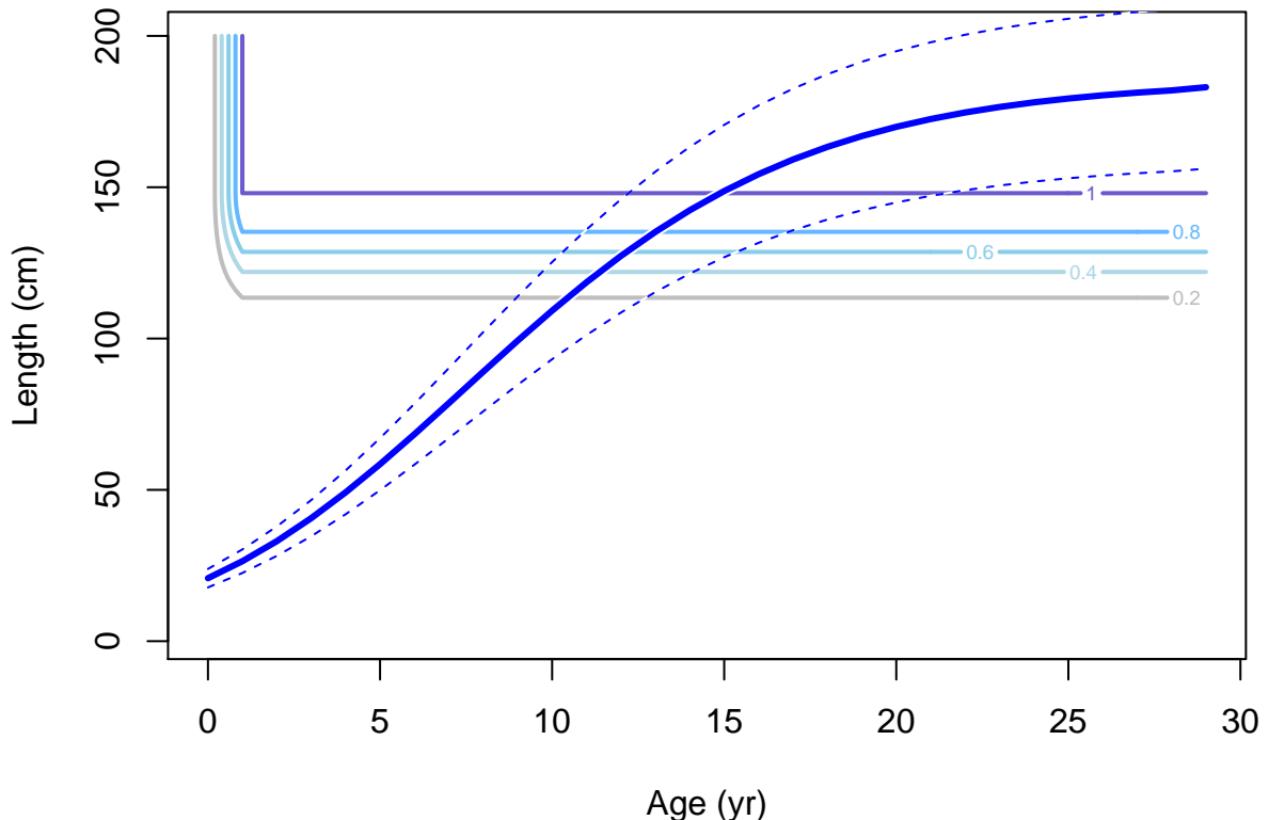
Male ending year selectivity and growth for F31-LL_E_Q14n



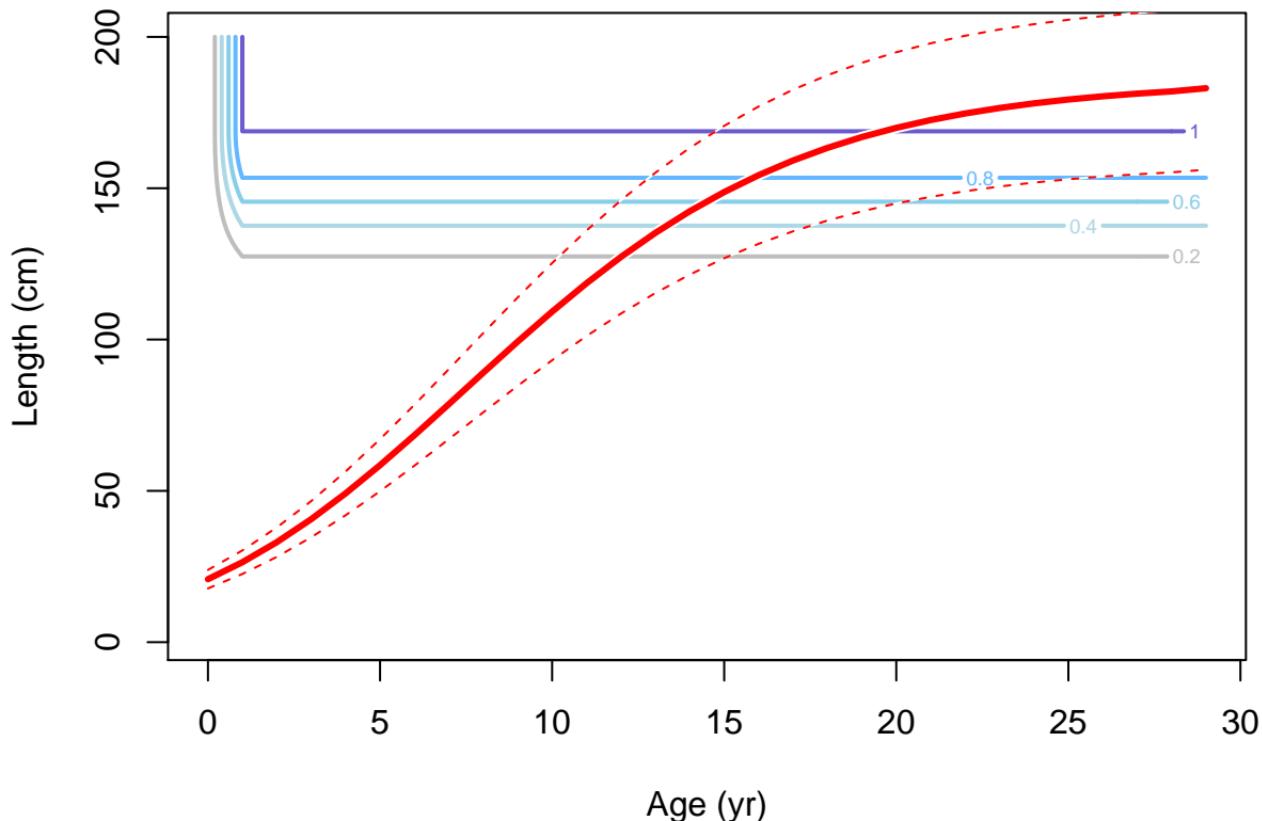
Female ending year selectivity and growth for F32-LL_W_Q23n



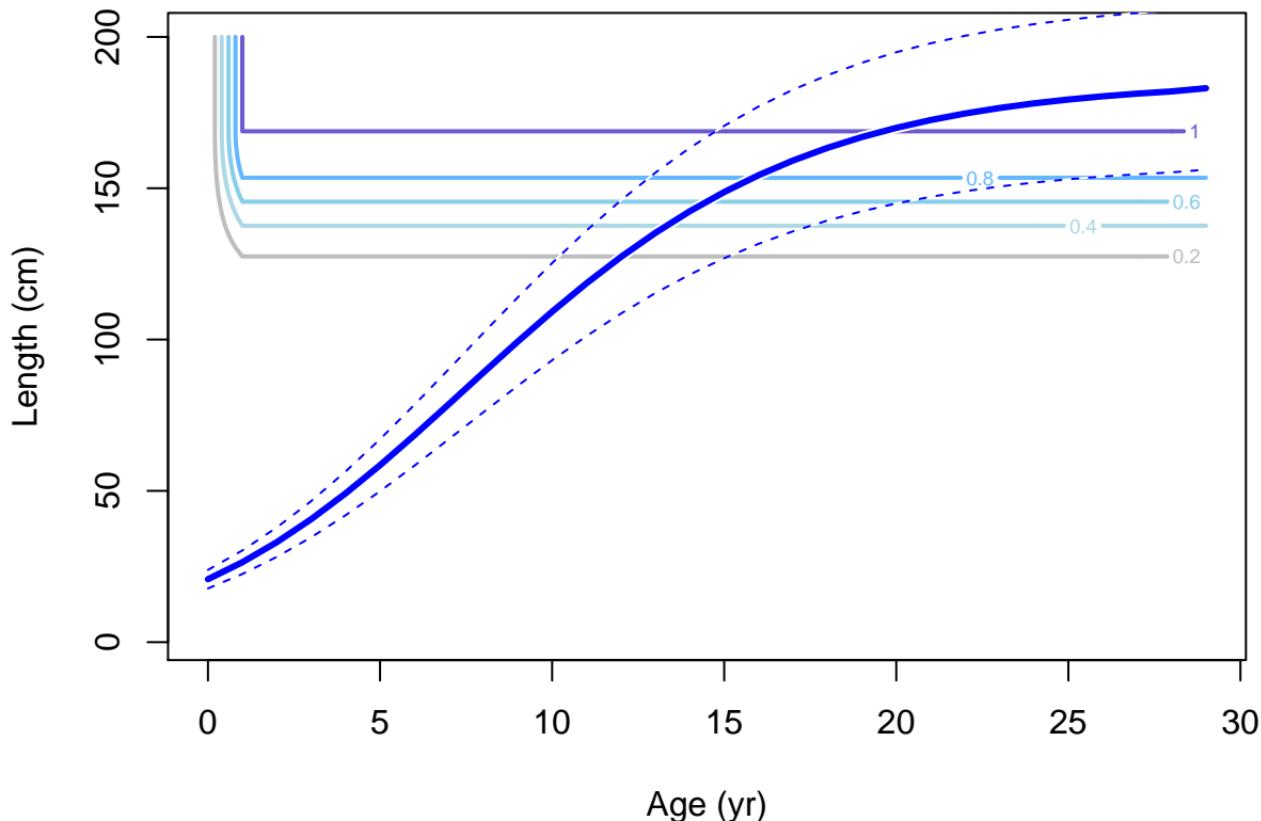
Male ending year selectivity and growth for F32-LL_W_Q23n



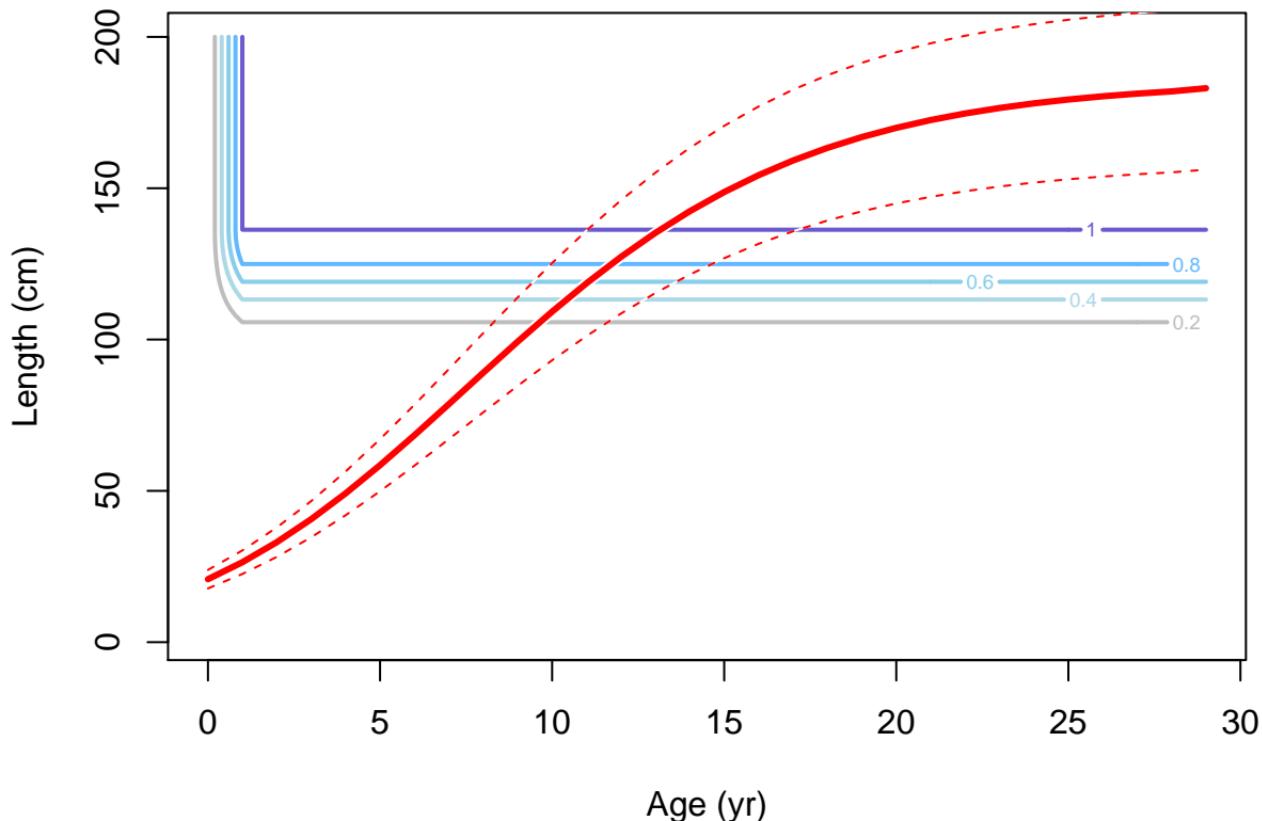
Female ending year selectivity and growth for F33-LL_C_Q23n



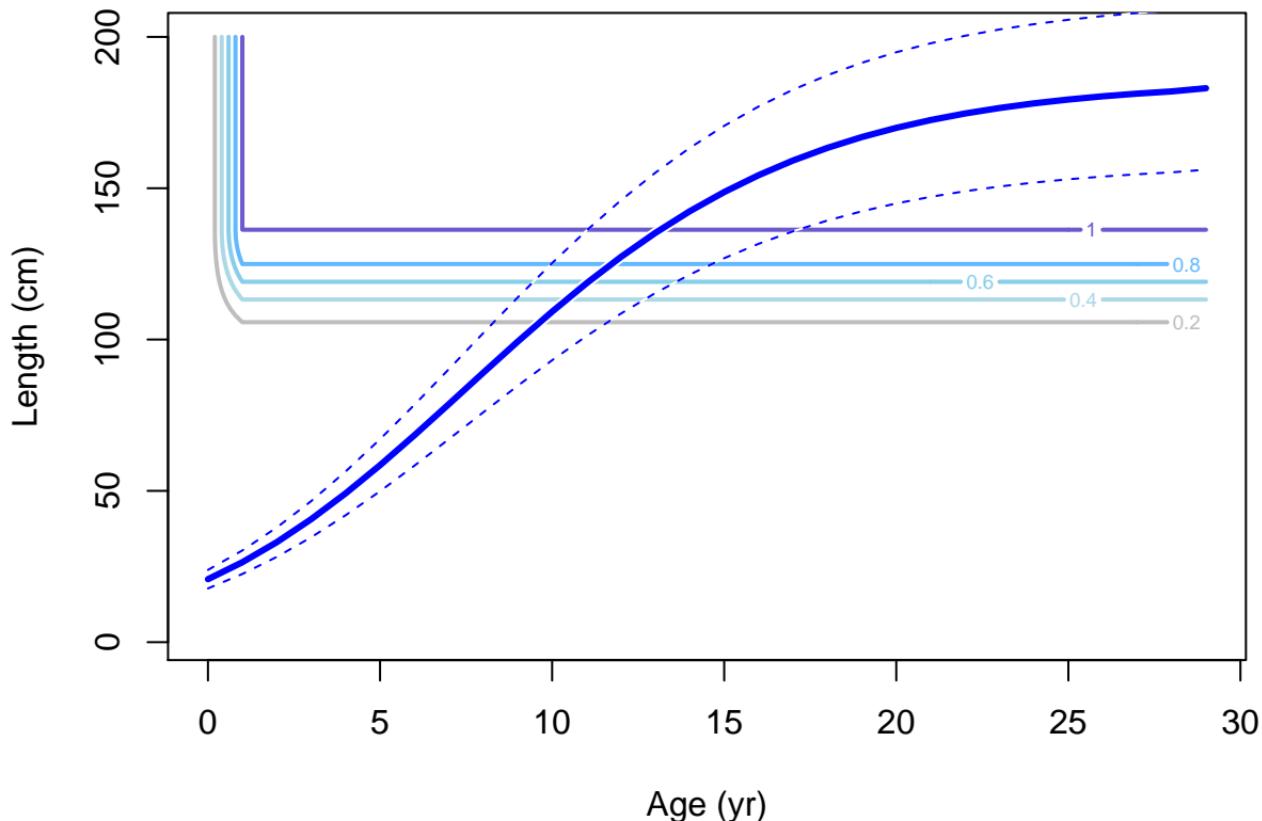
Male ending year selectivity and growth for F33-LL_C_Q23n



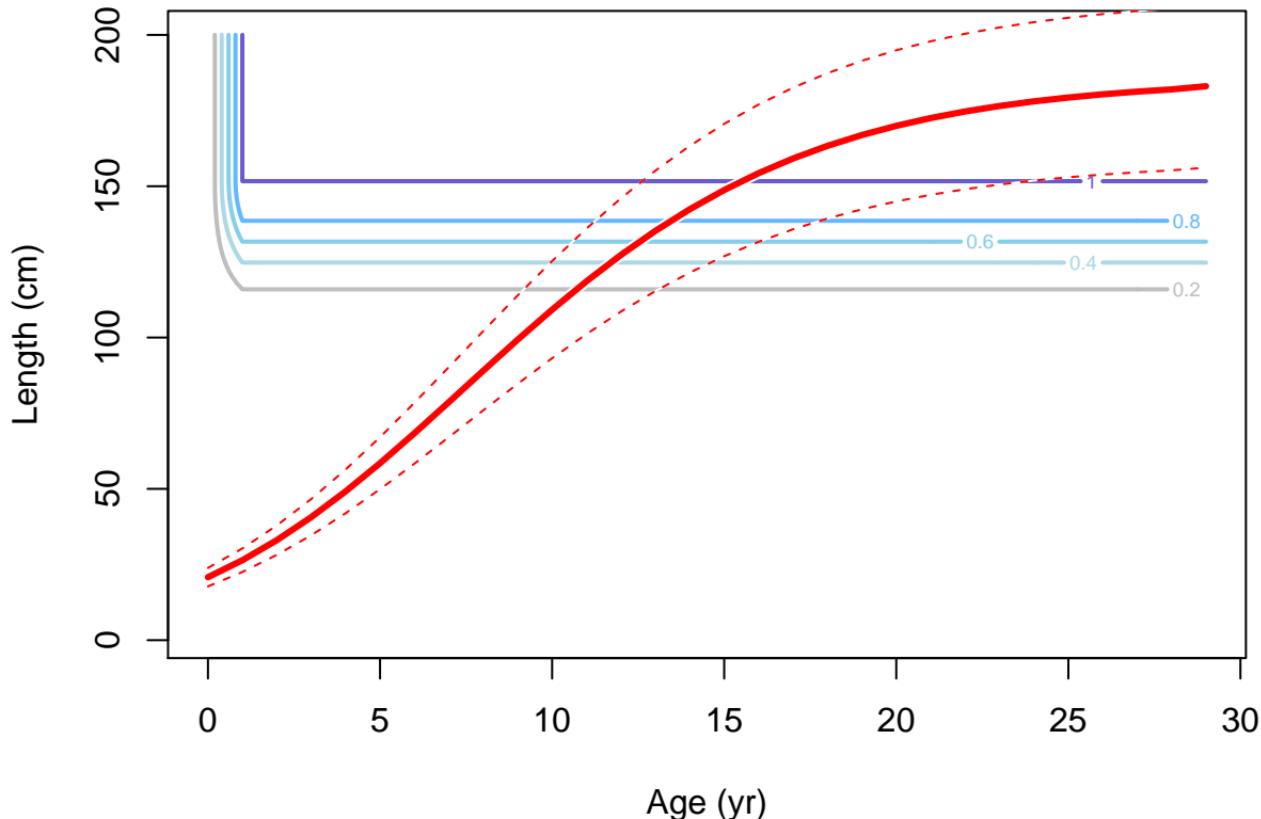
Female ending year selectivity and growth for F34-LL_E_Q23n



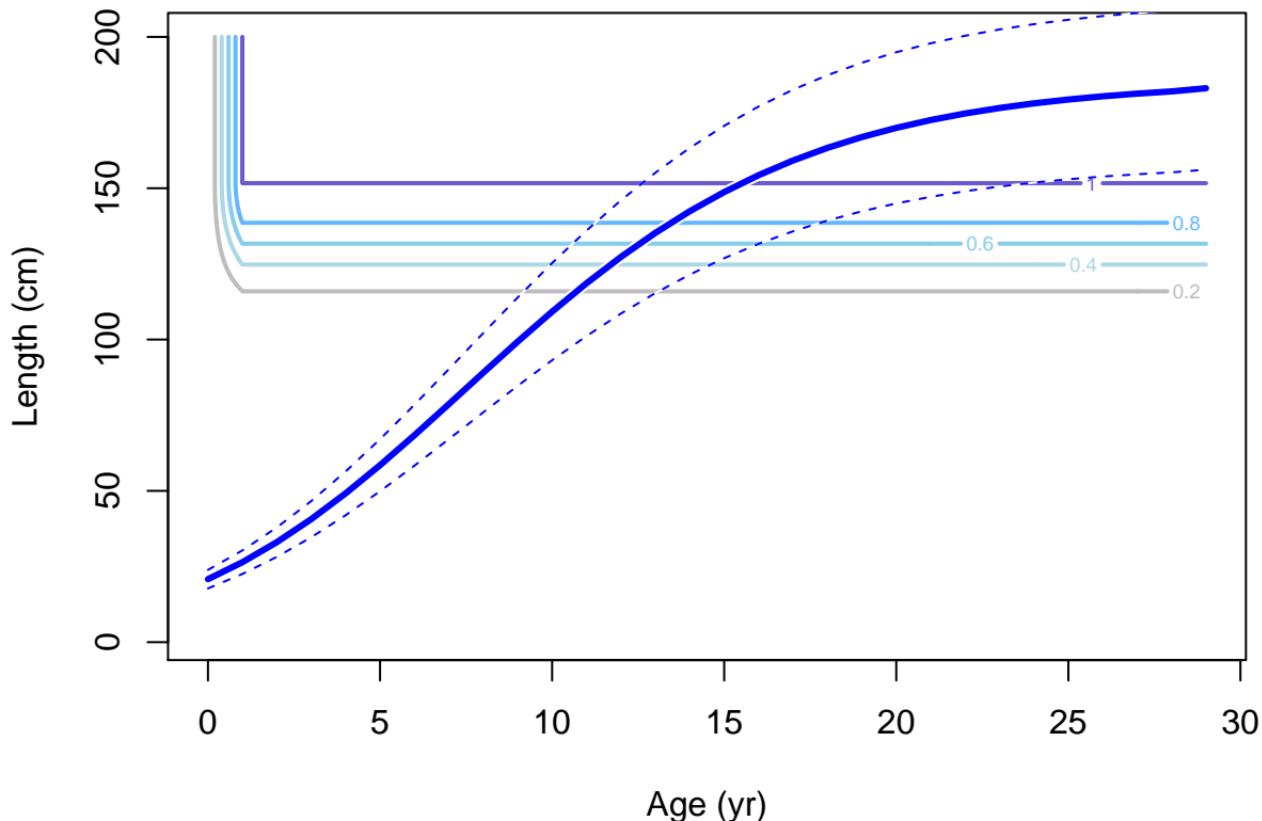
Male ending year selectivity and growth for F34-LL_E_Q23n



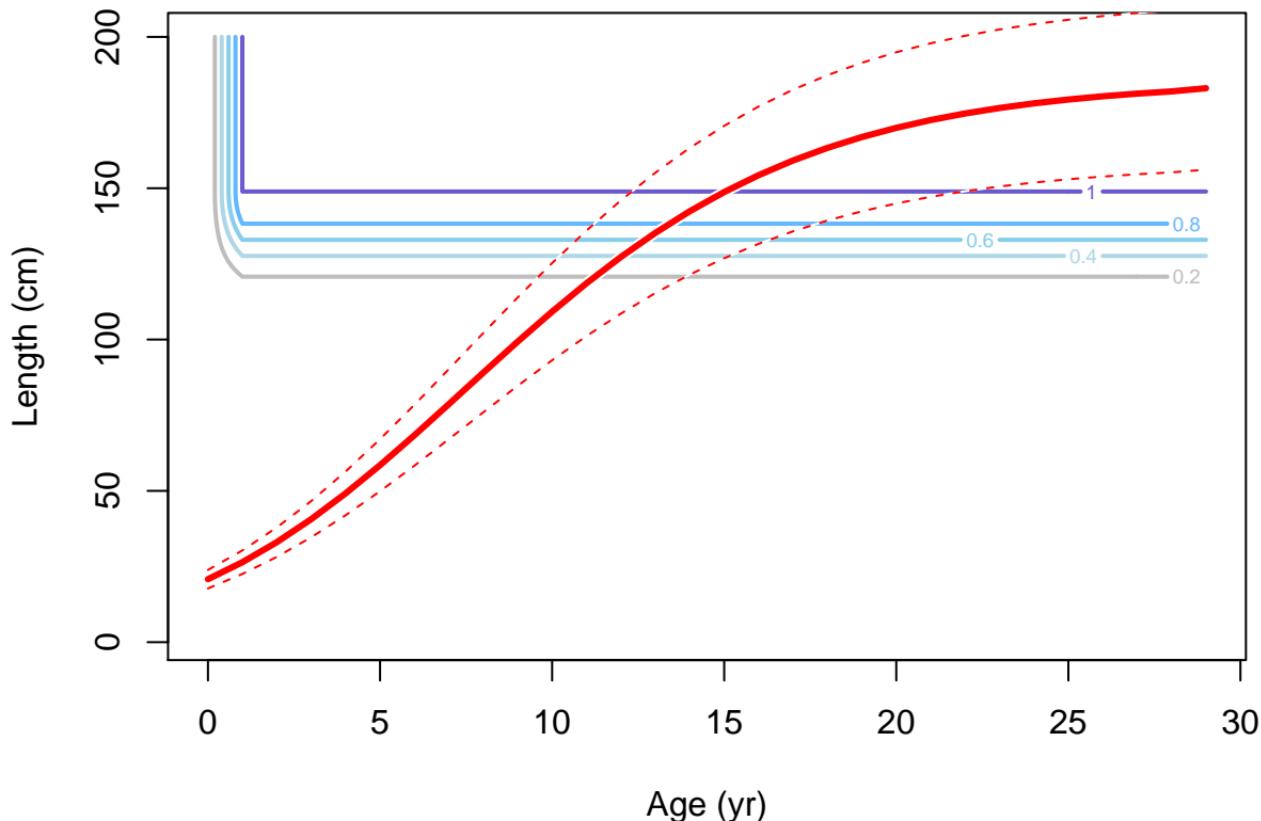
Female ending year selectivity and growth for F35-LL_W_Q14w



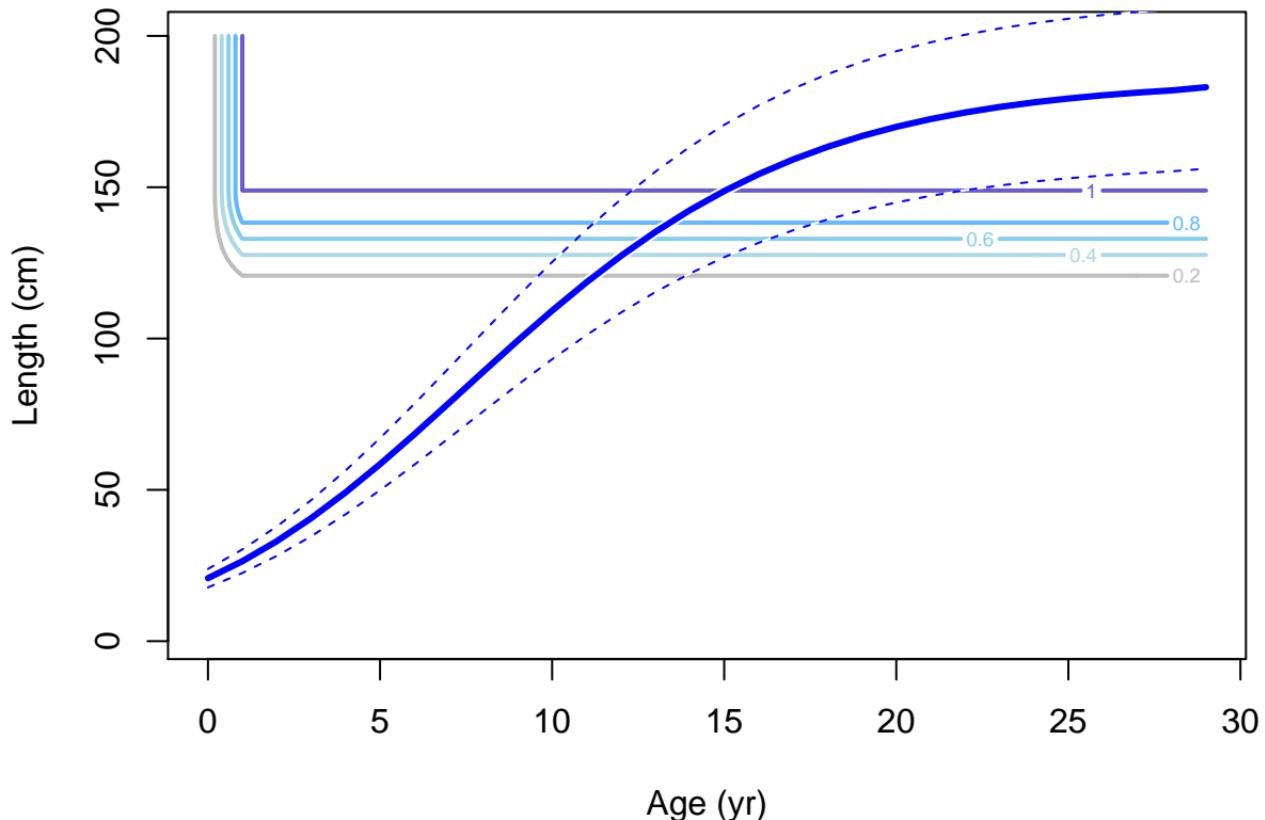
Male ending year selectivity and growth for F35-LL_W_Q14w



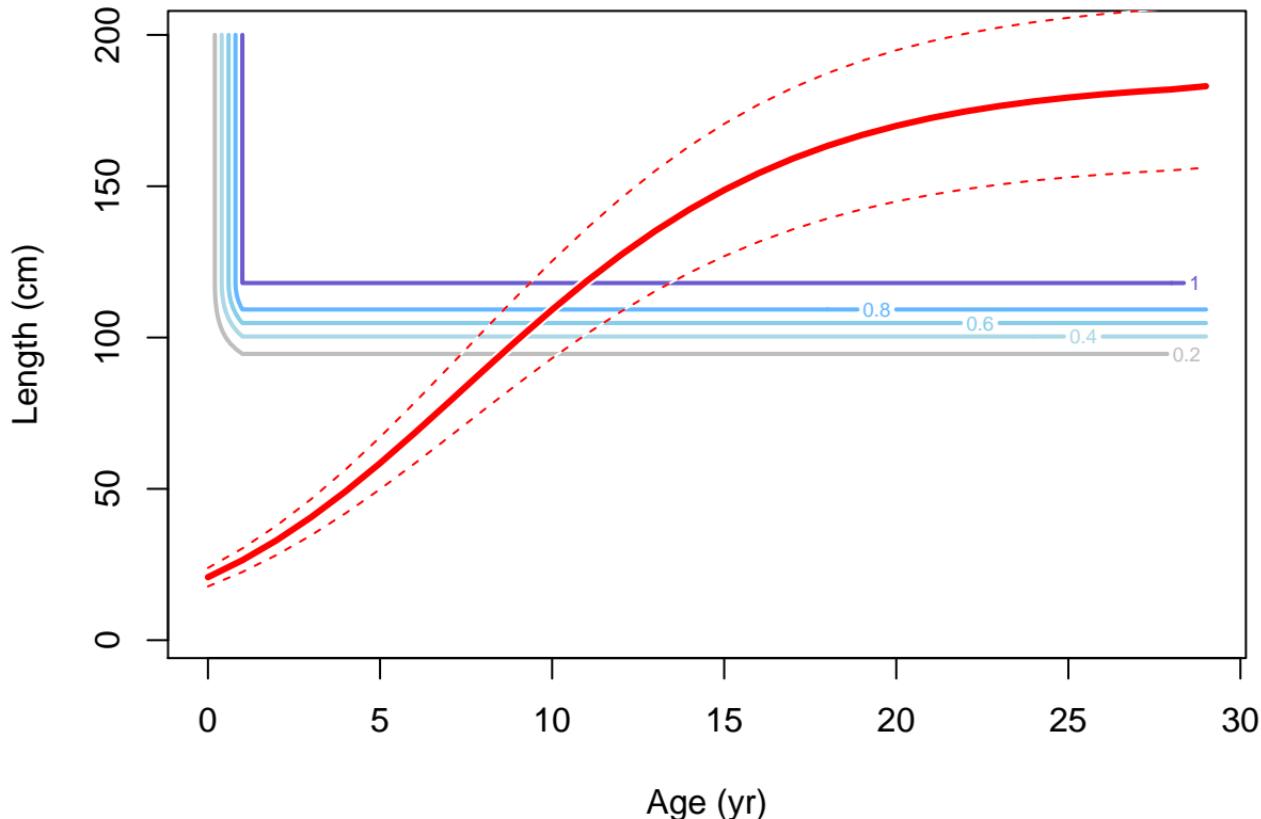
Female ending year selectivity and growth for F36-LL_C_Q14w



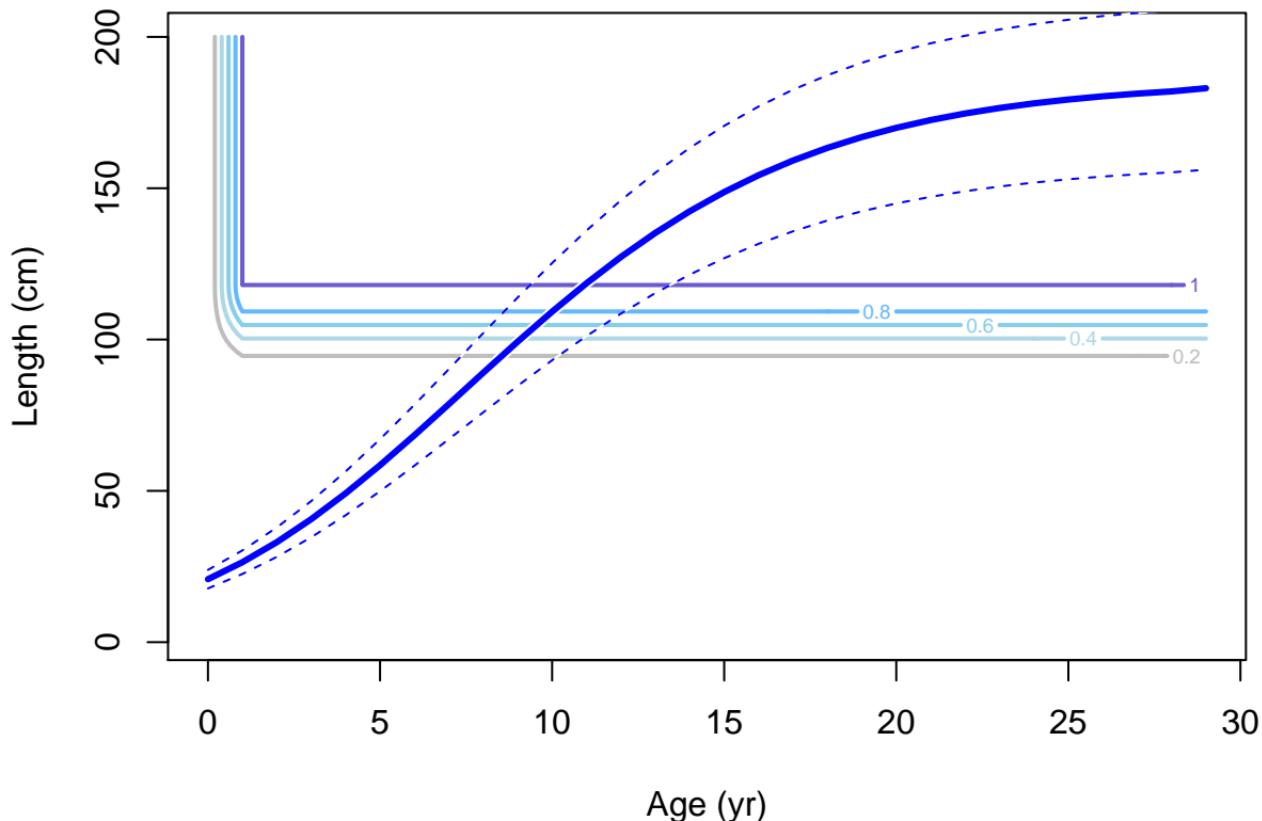
Male ending year selectivity and growth for F36-LL_C_Q14w



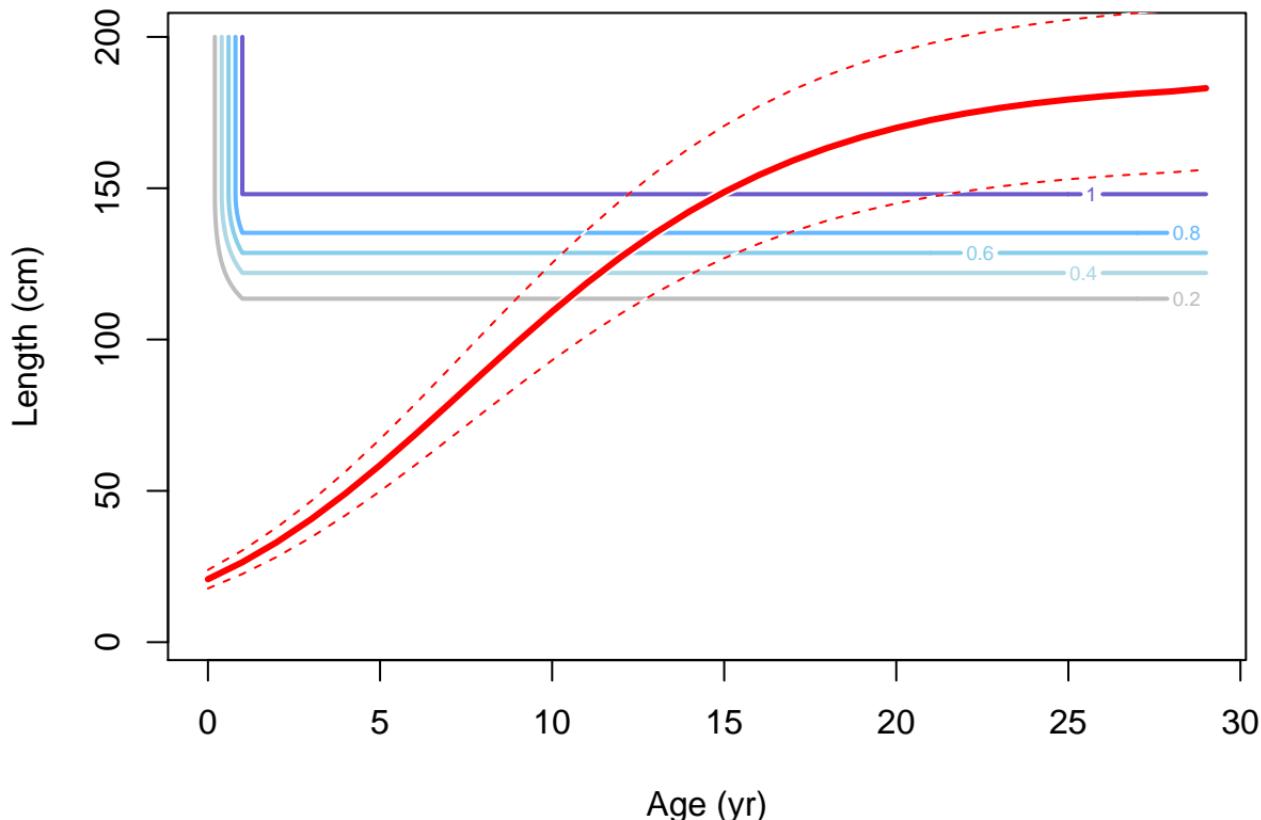
Female ending year selectivity and growth for F37-LL_E_Q14w



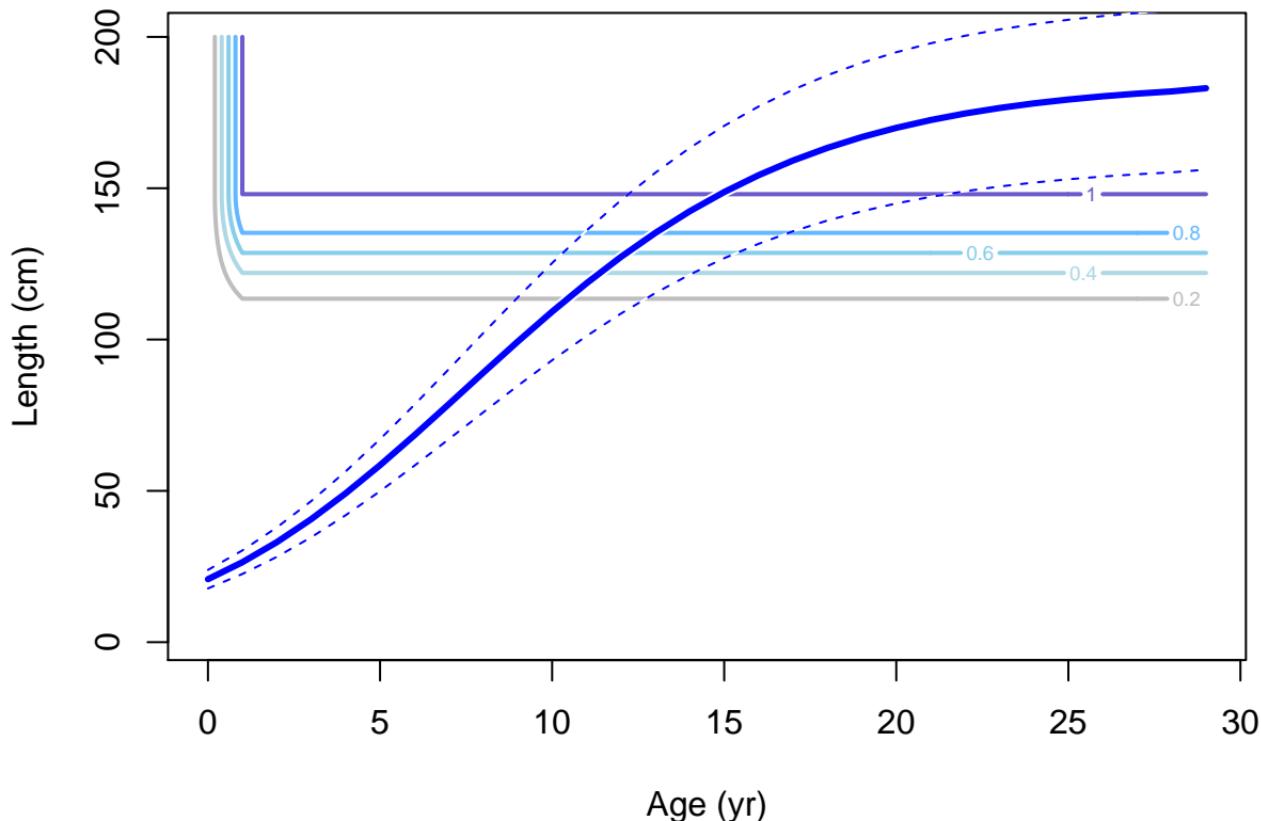
Male ending year selectivity and growth for F37-LL_E_Q14w



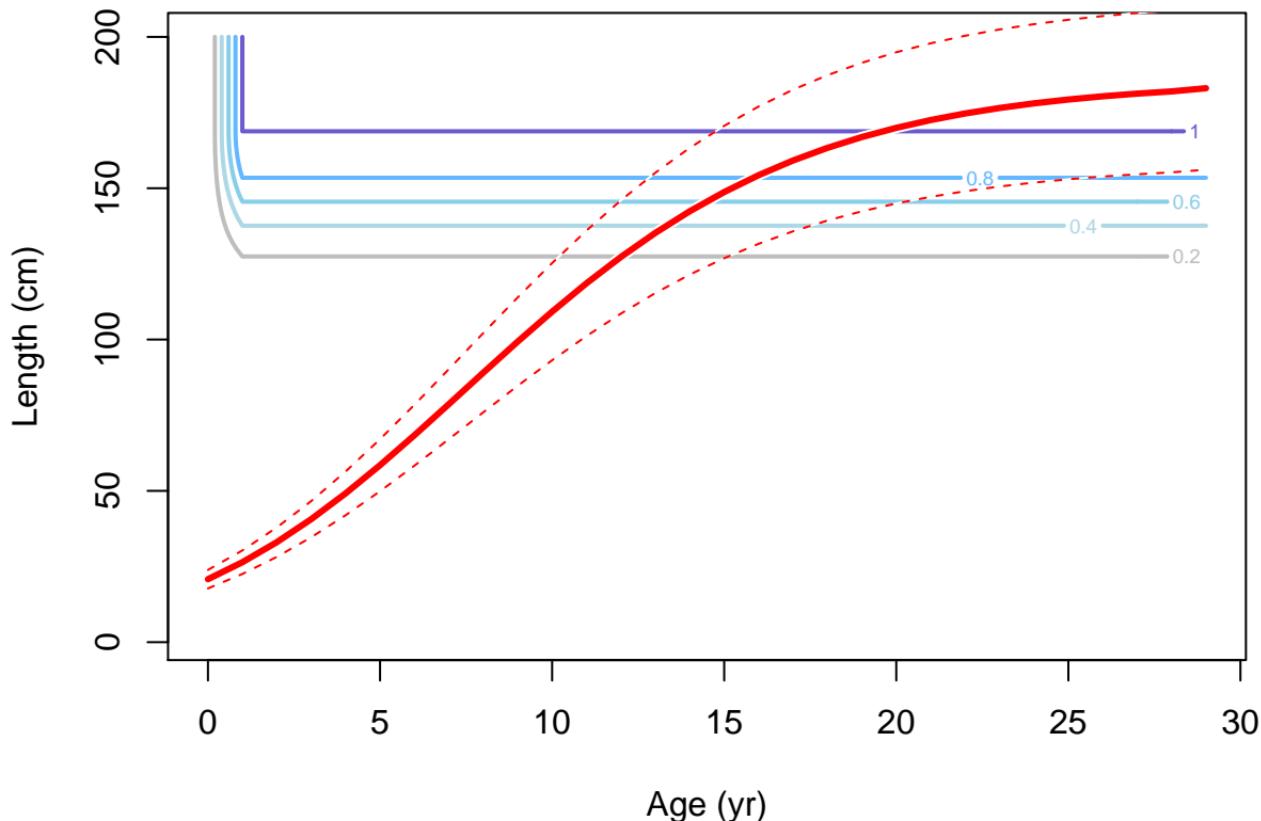
Female ending year selectivity and growth for F38-LL_W_Q23w



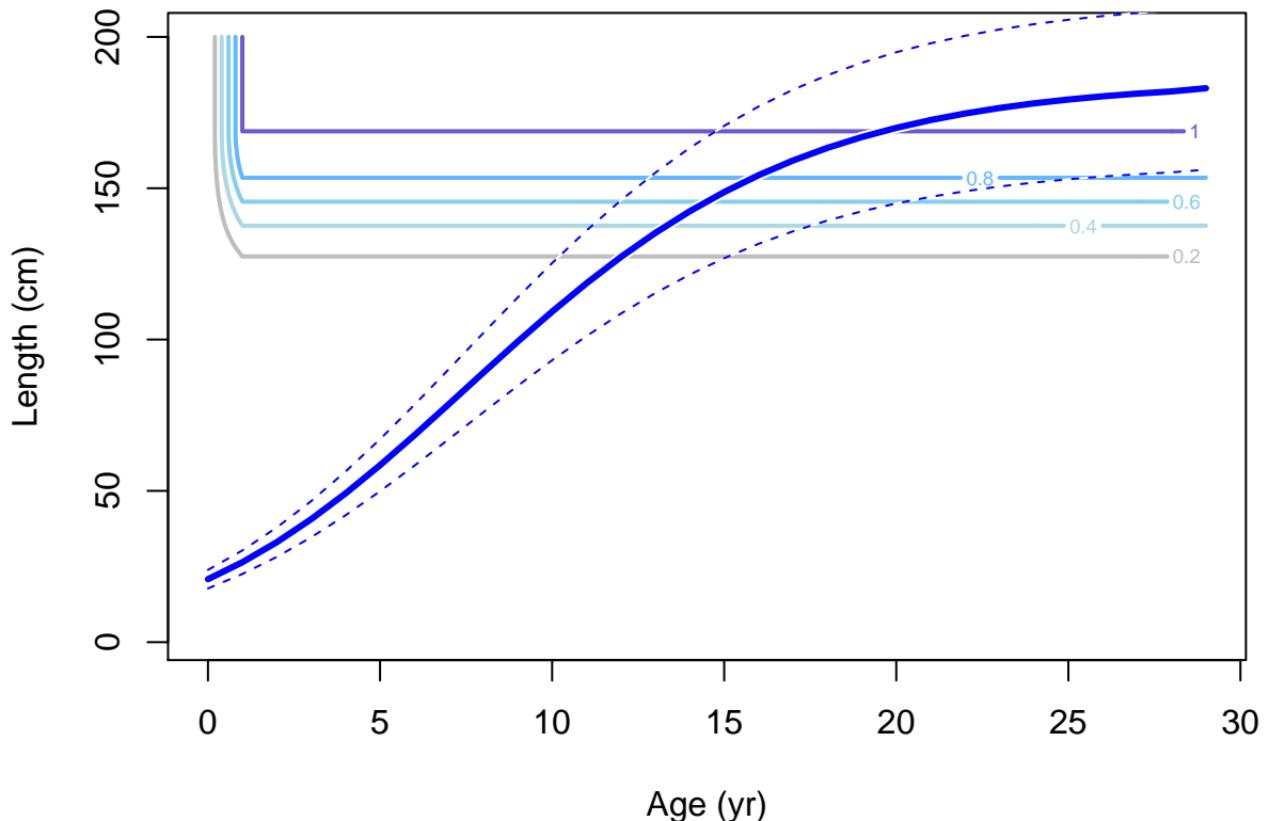
Male ending year selectivity and growth for F38-LL_W_Q23w



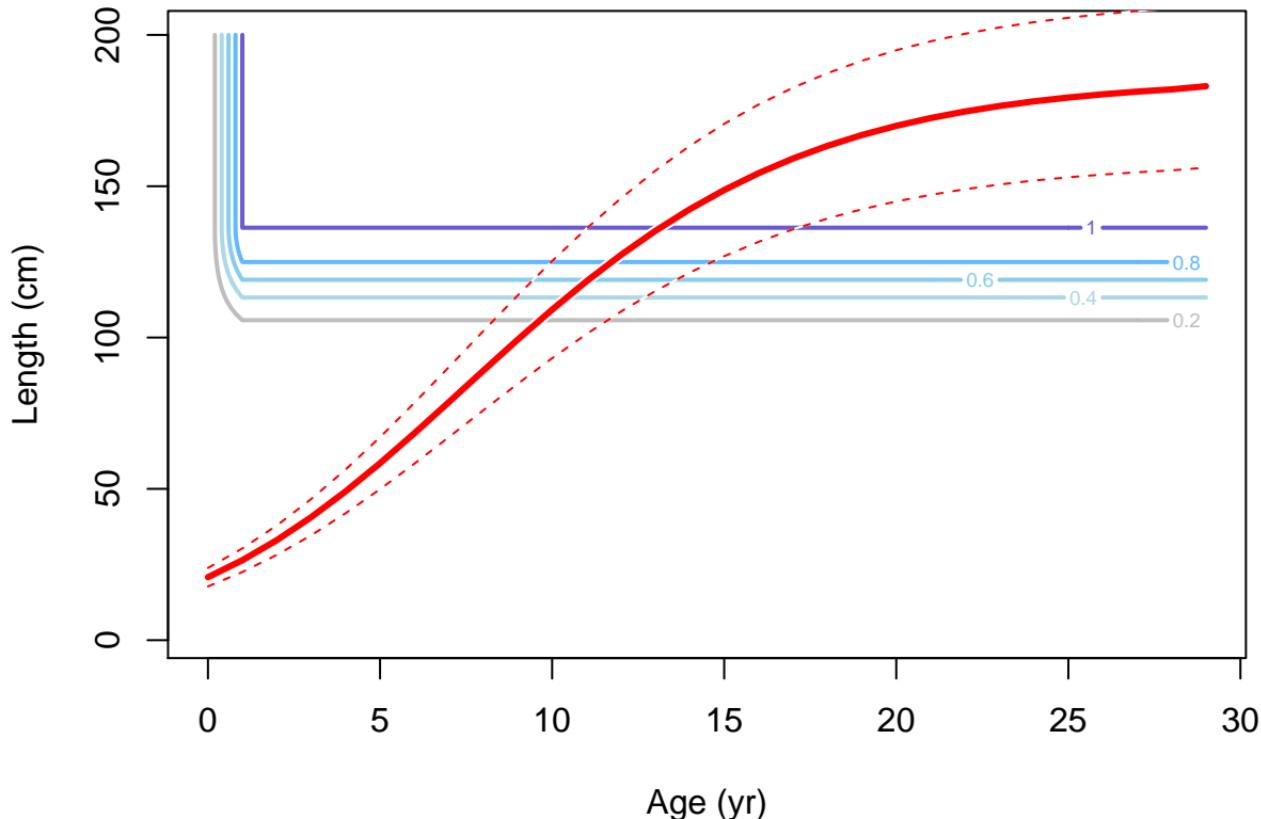
Female ending year selectivity and growth for F39-LL_C_Q23w



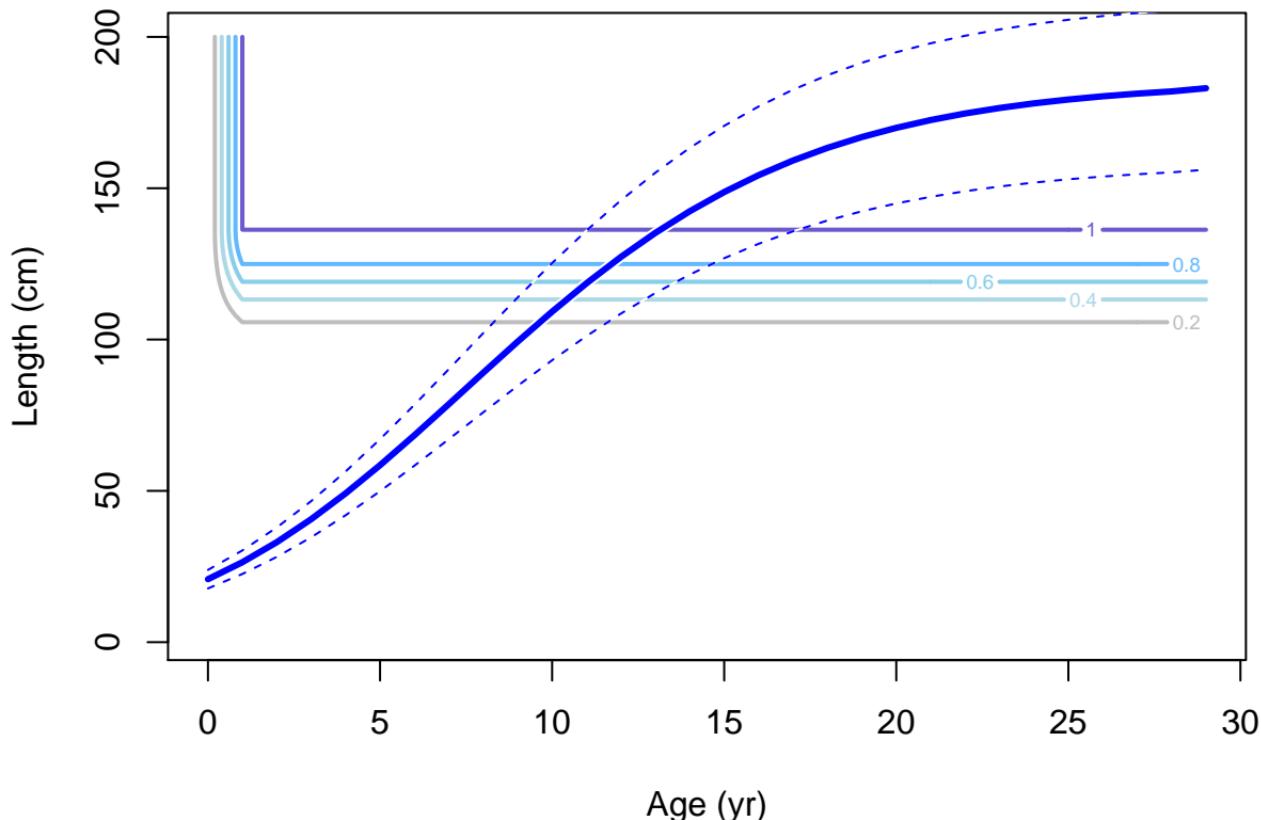
Male ending year selectivity and growth for F39-LL_C_Q23w



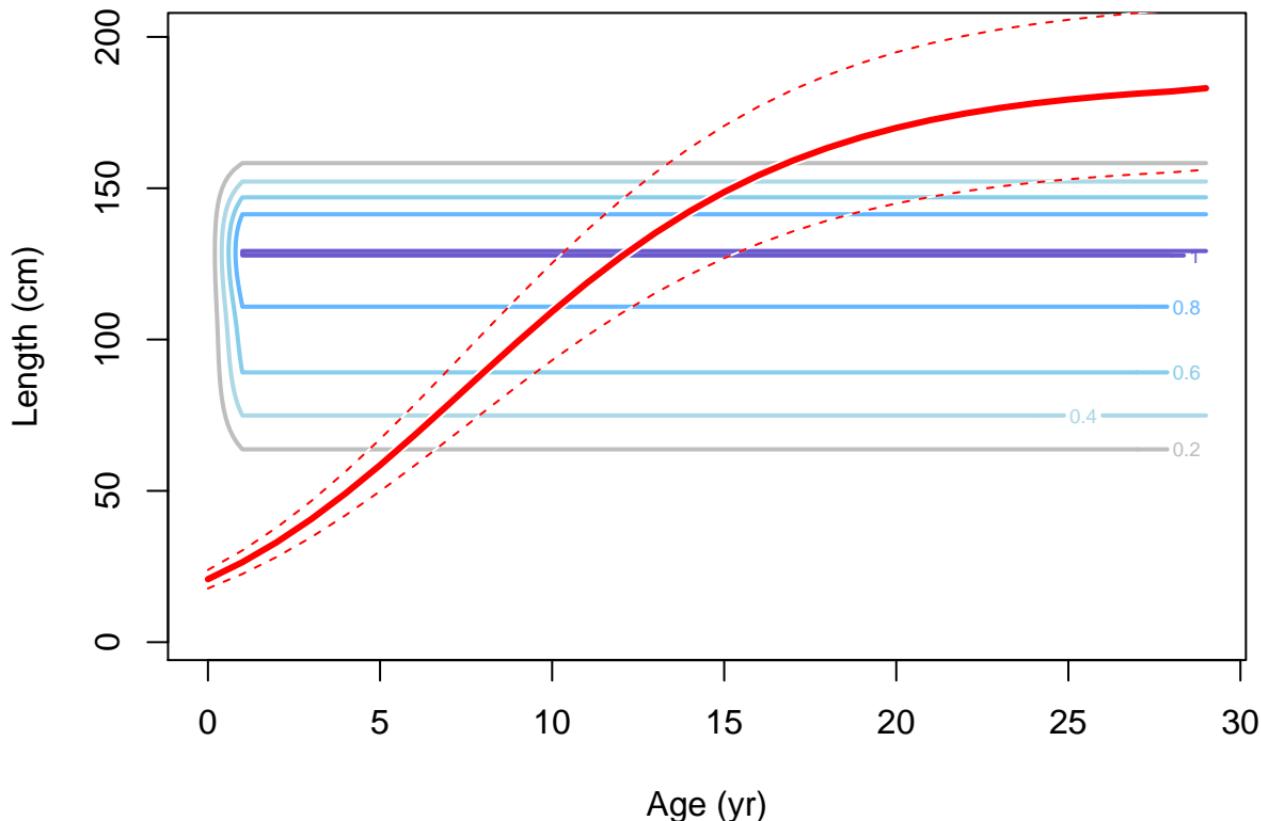
Female ending year selectivity and growth for F40-LL_E_Q23w



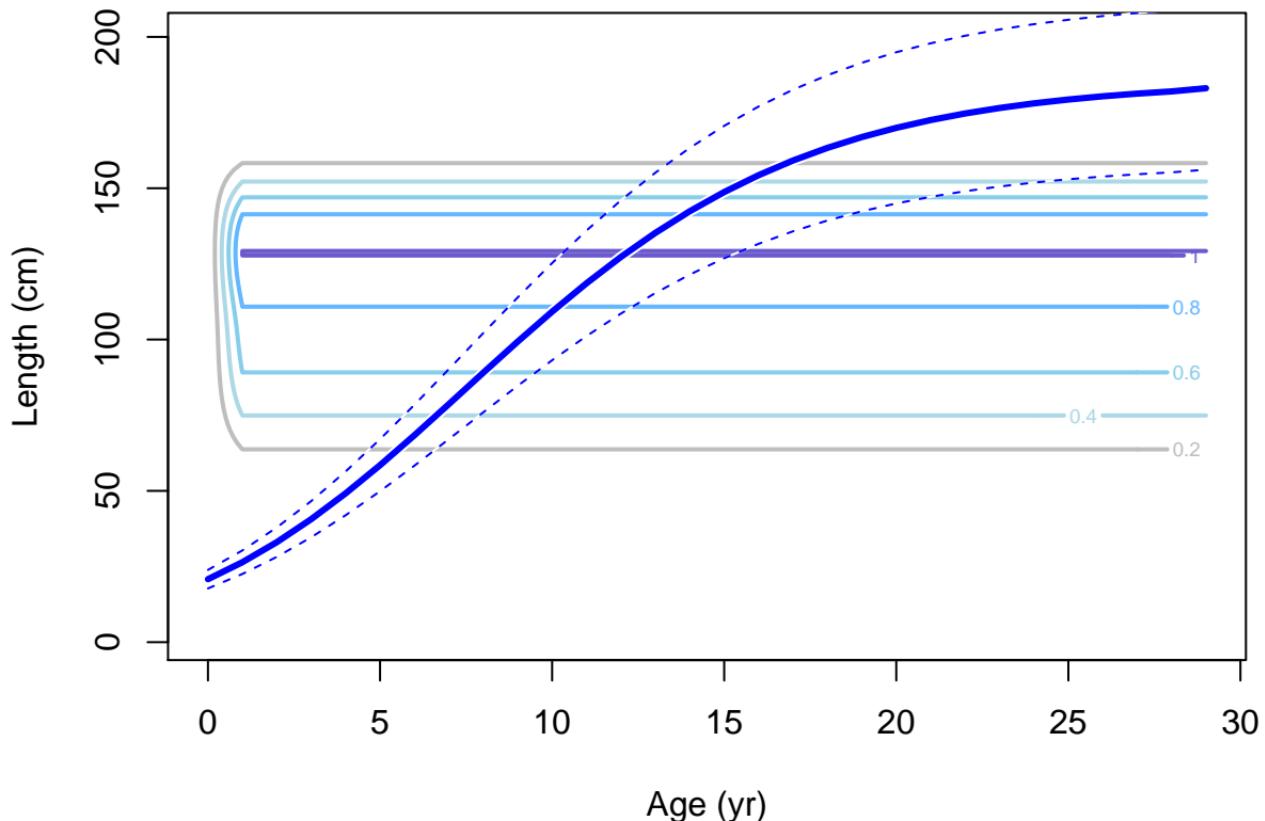
Male ending year selectivity and growth for F40-LL_E_Q23w



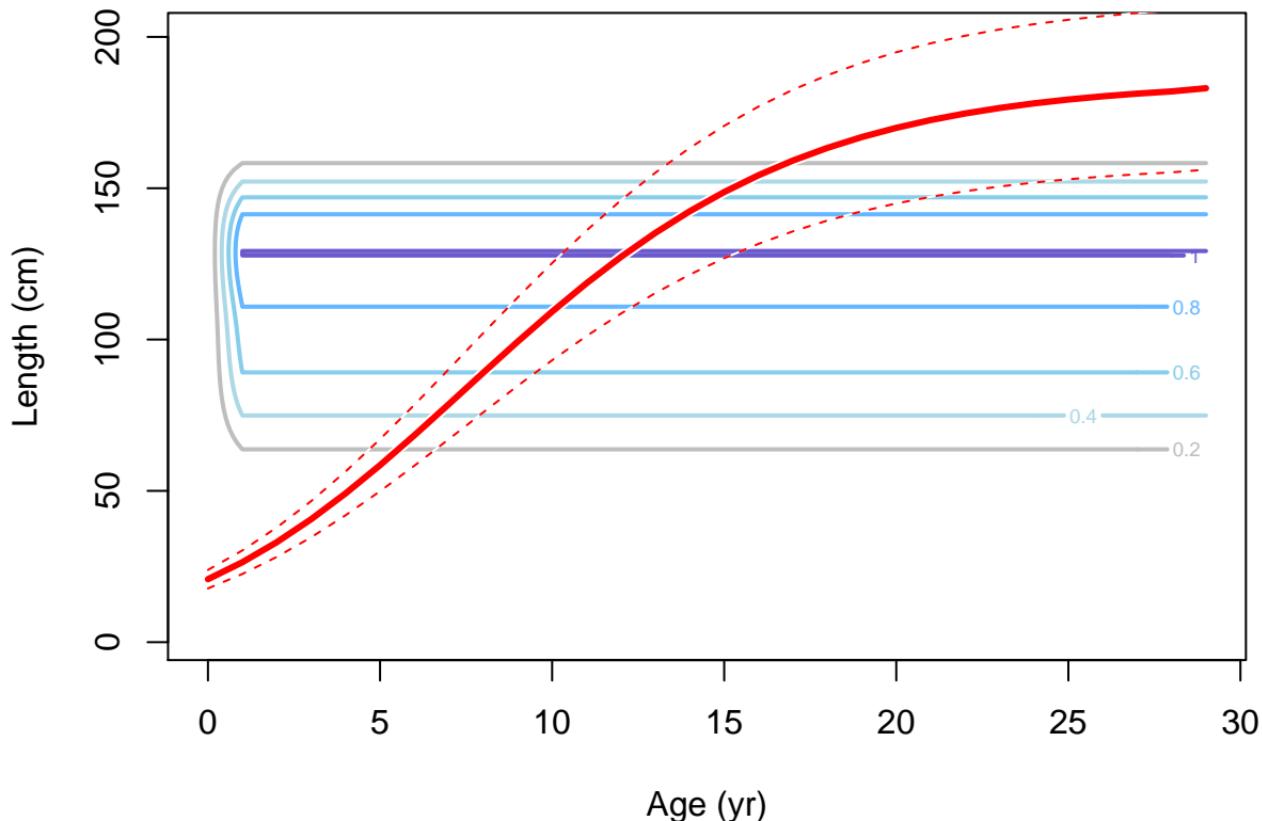
Female ending year selectivity and growth for S1-PS_DEL_VAST



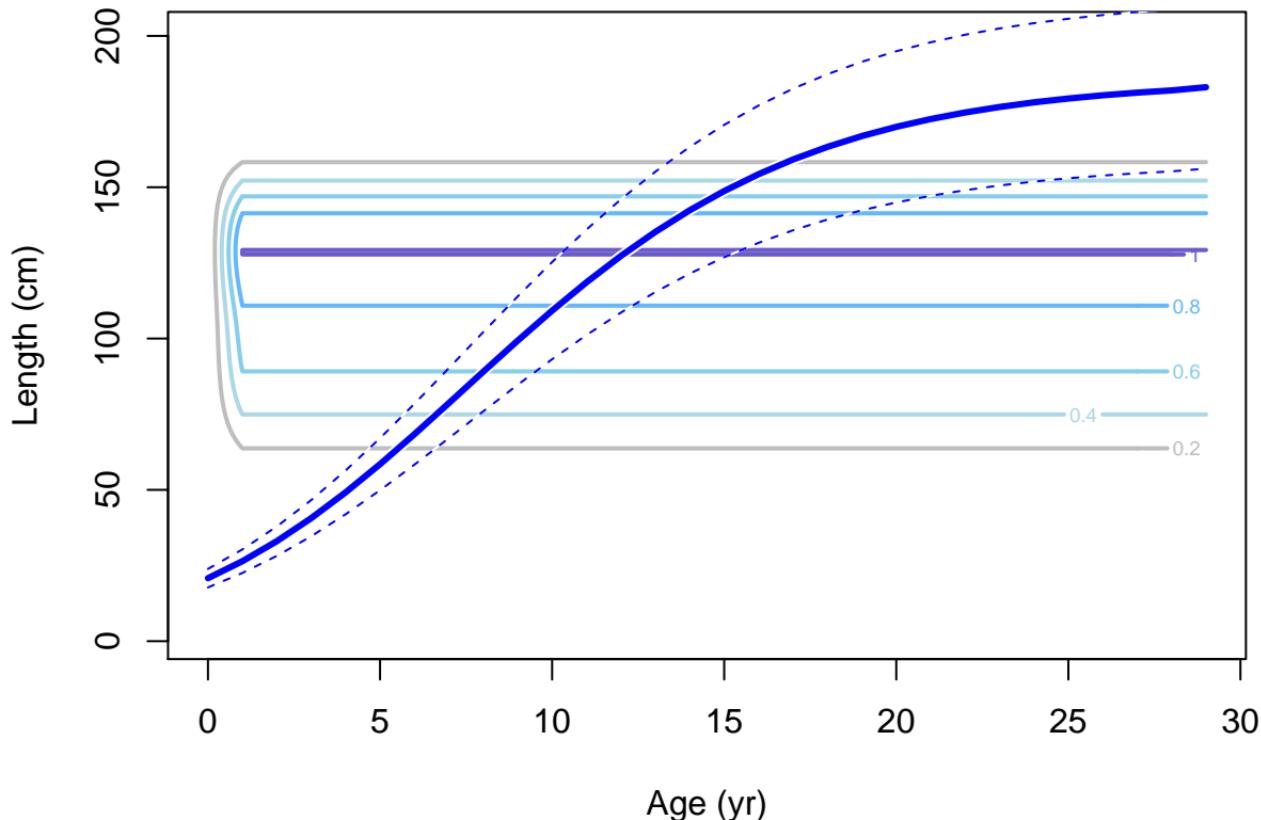
Male ending year selectivity and growth for S1-PS_DEL_VAST



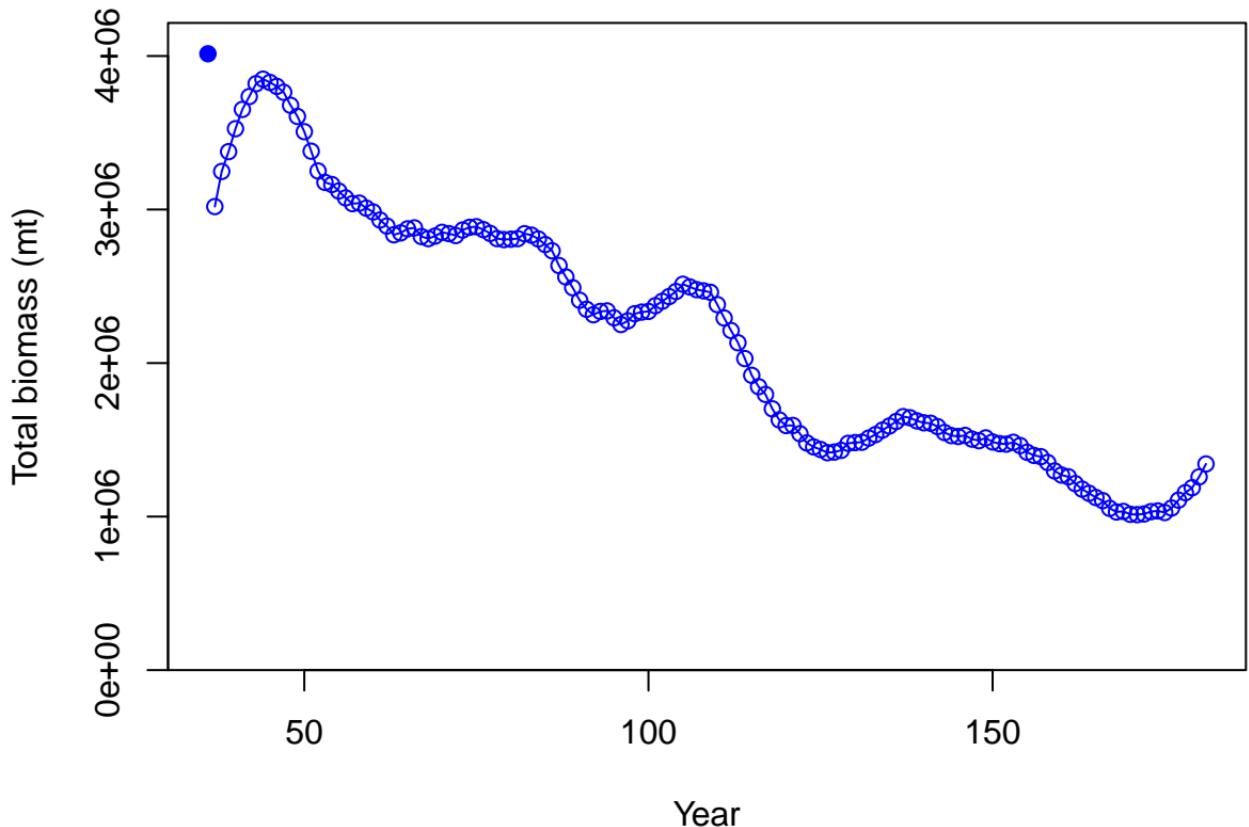
Female ending year selectivity and growth for S4-PS_middle_VAST



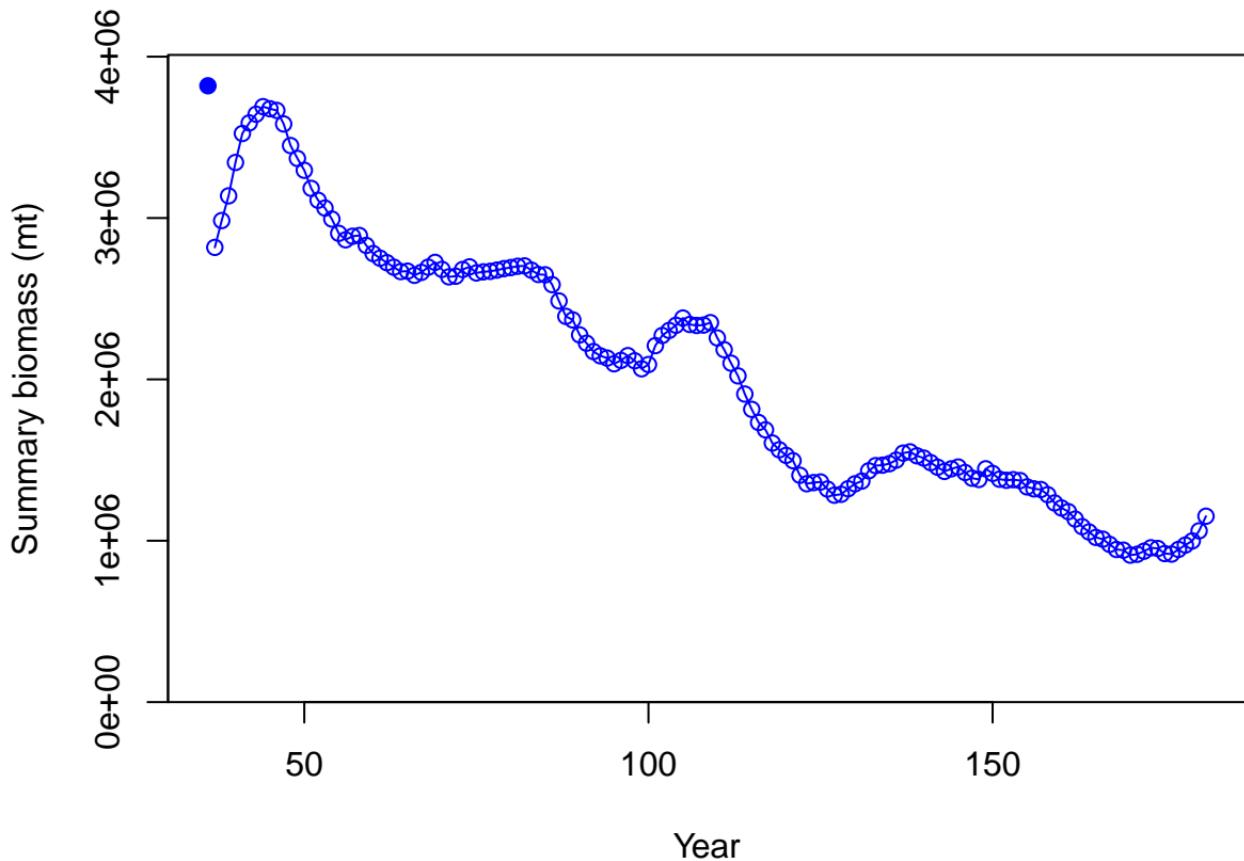
Male ending year selectivity and growth for S4-PS_middle_VAST



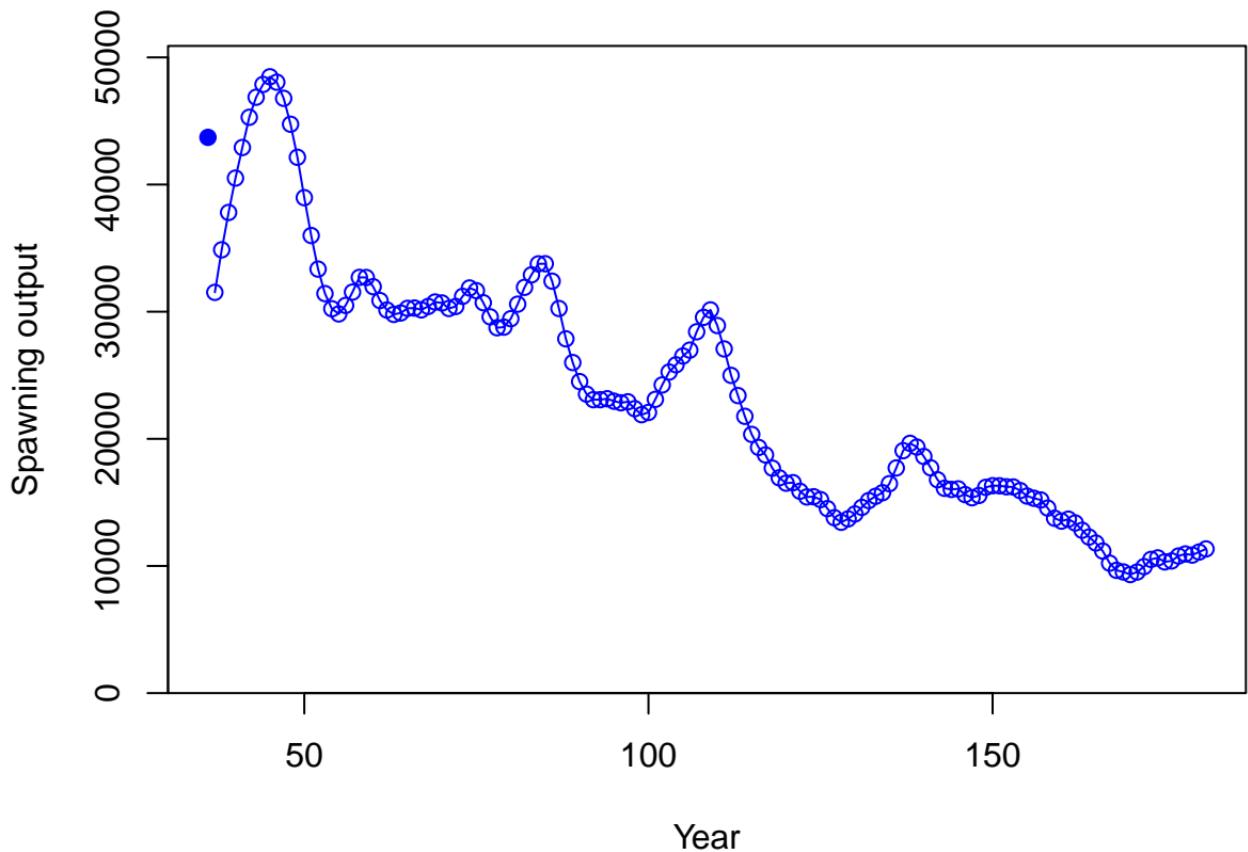
Total biomass (mt)



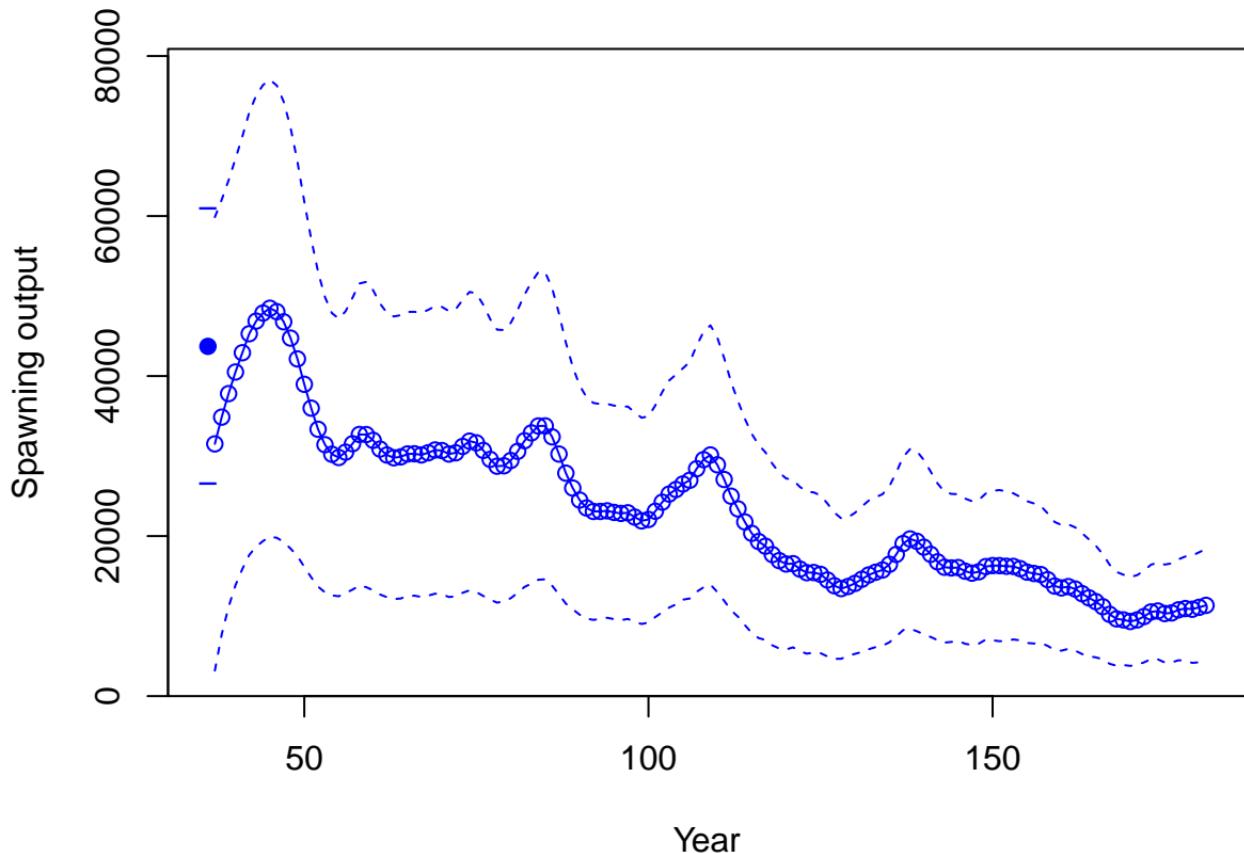
Summary biomass (mt)



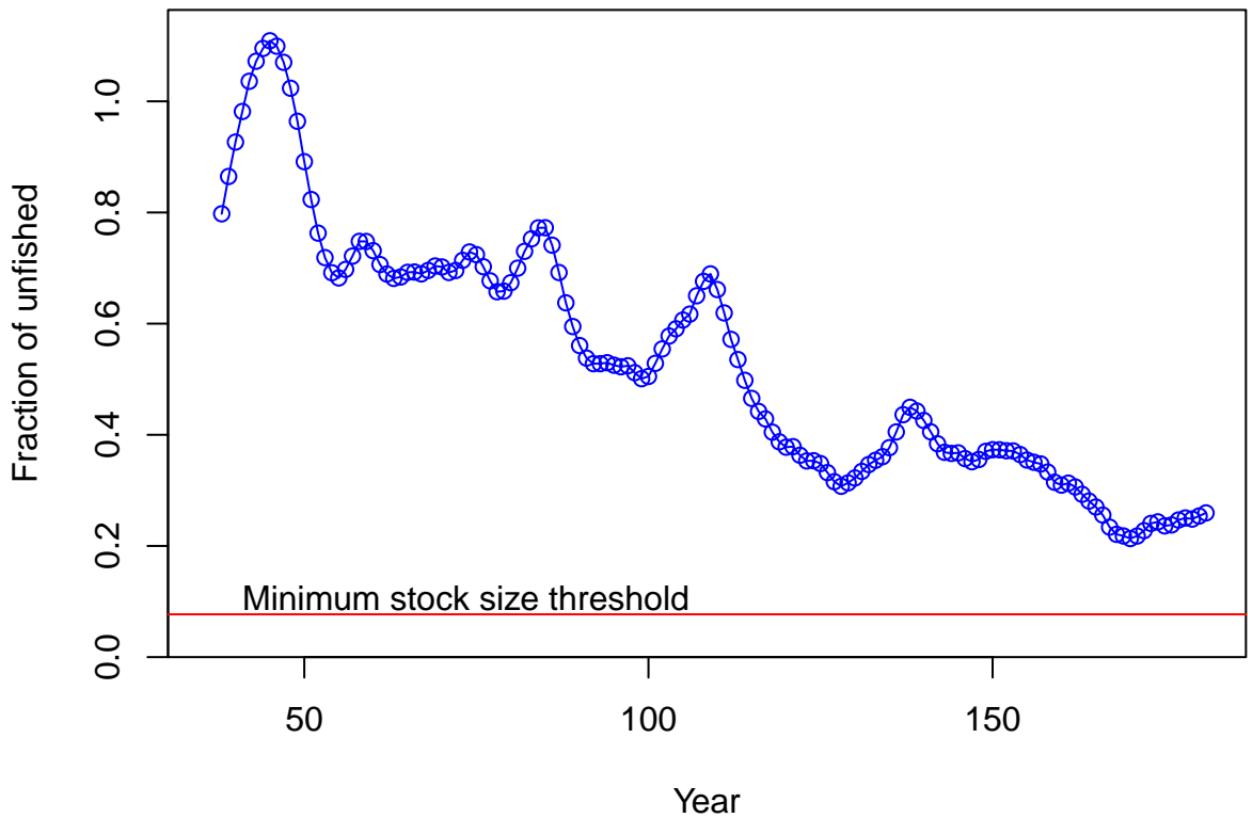
Spawning output



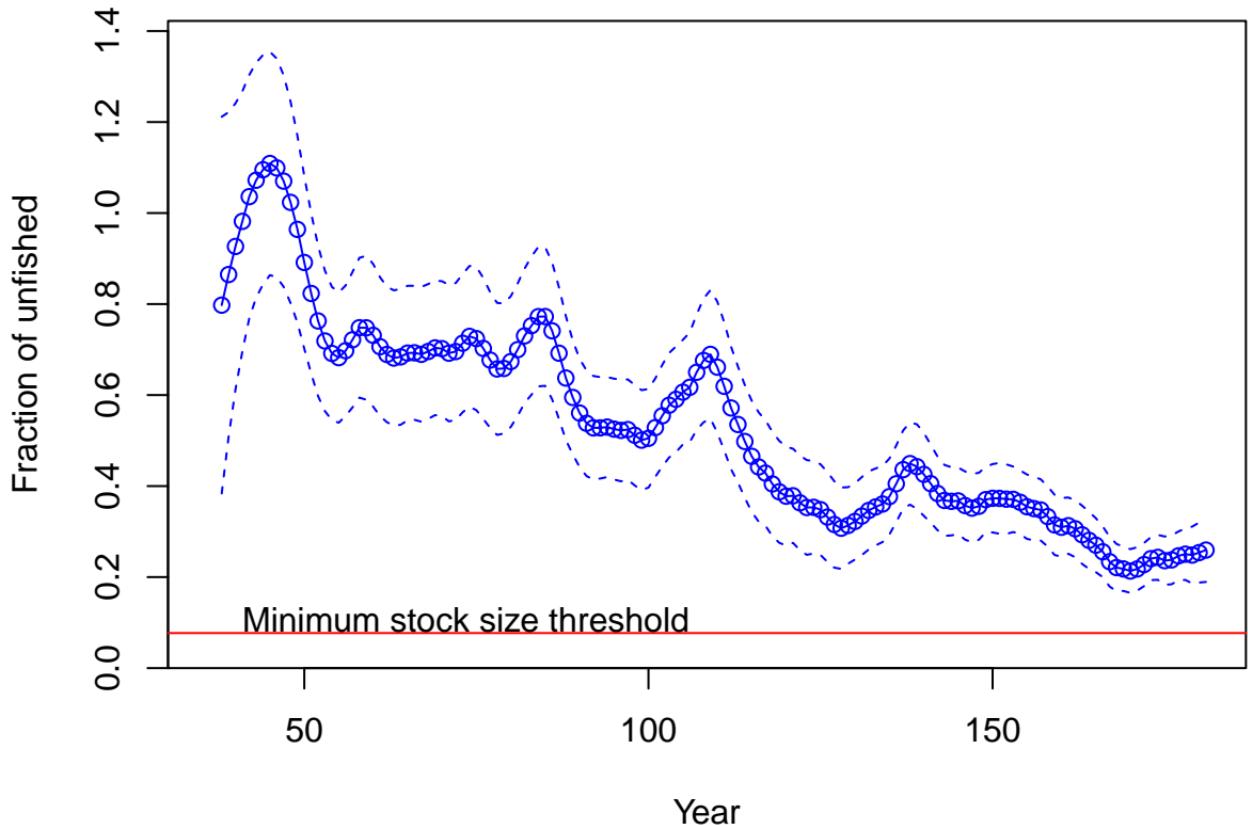
Spawning output with ~95% asymptotic intervals



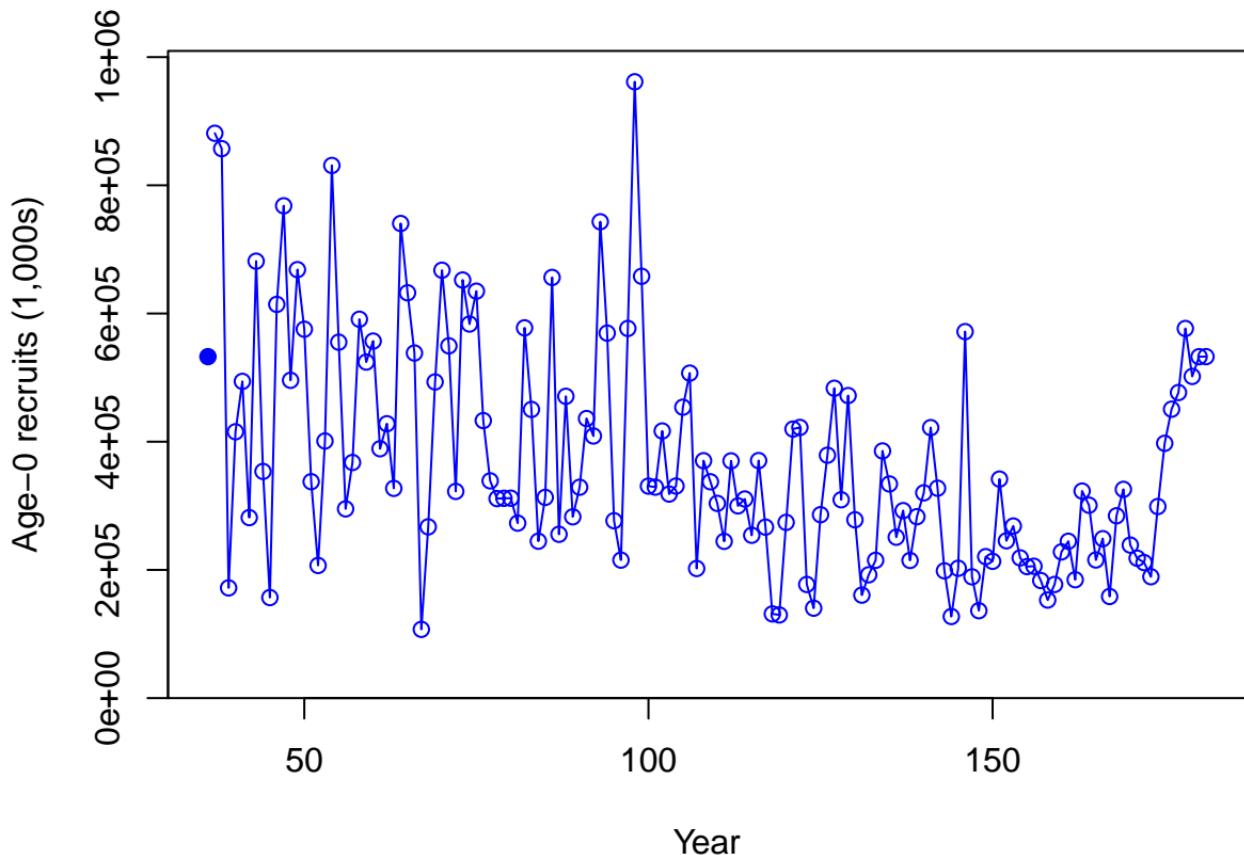
Fraction of unfished



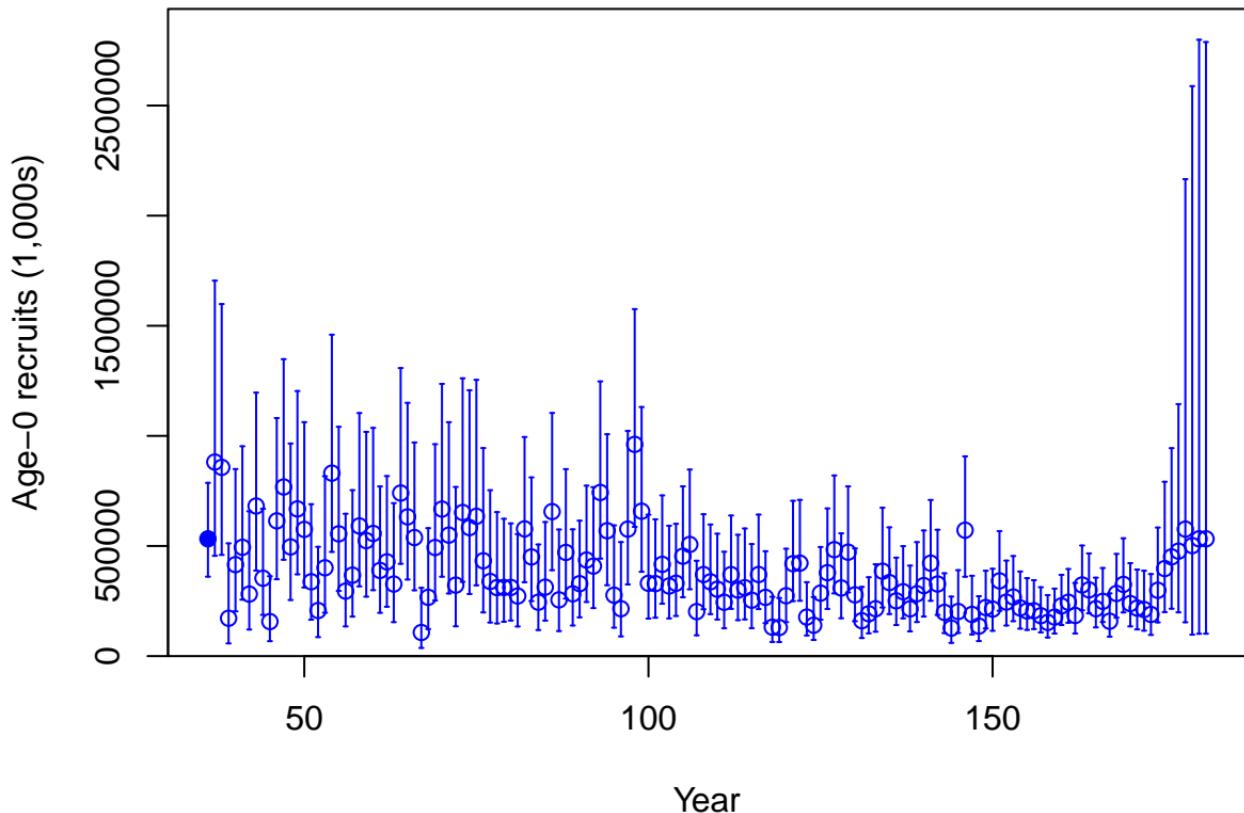
Fraction of unfished with ~95% asymptotic intervals

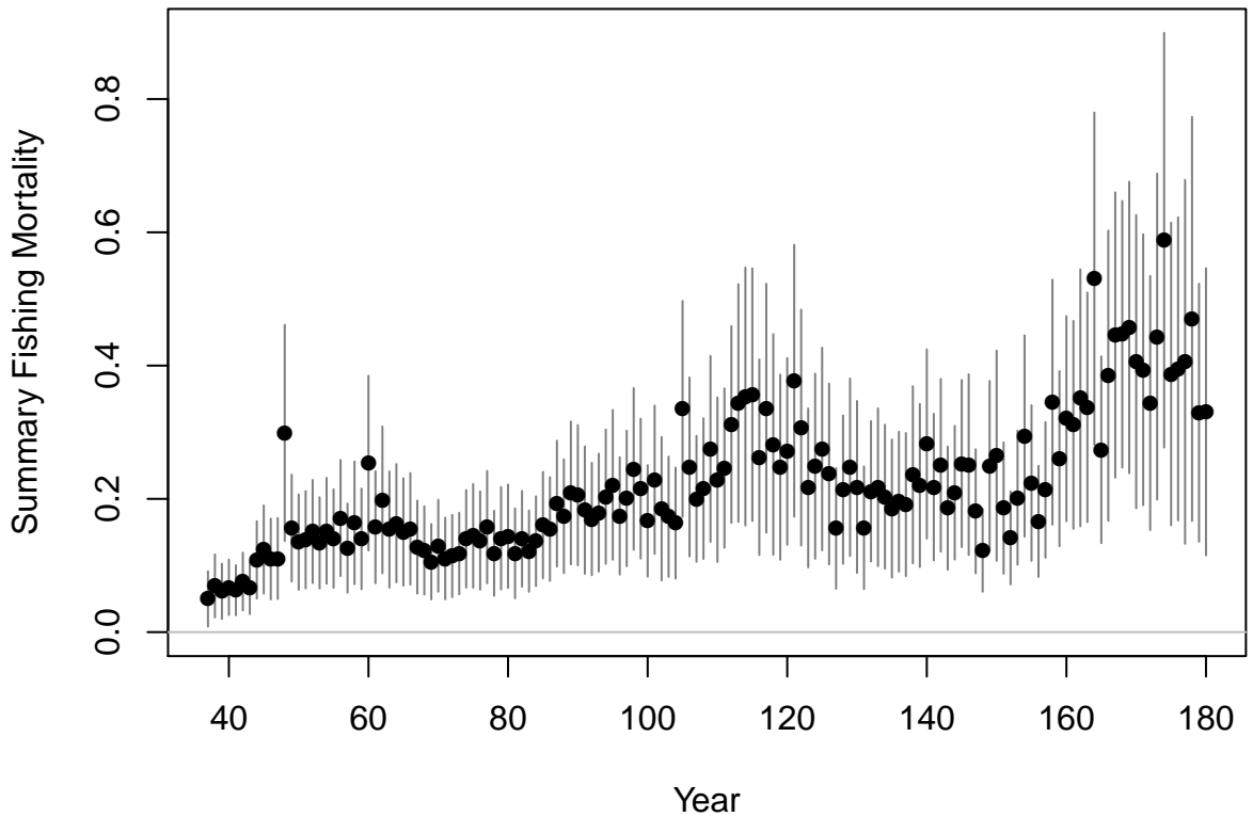


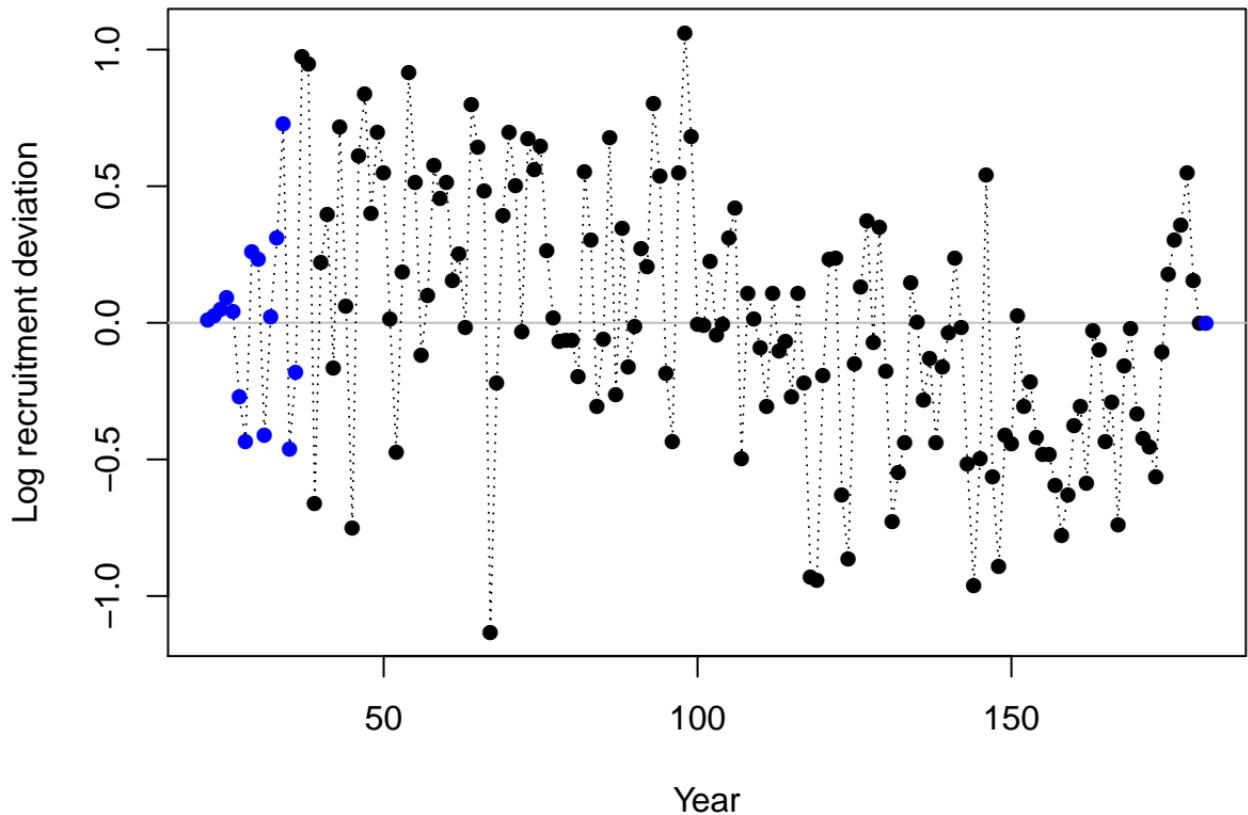
Age-0 recruits (1,000s)

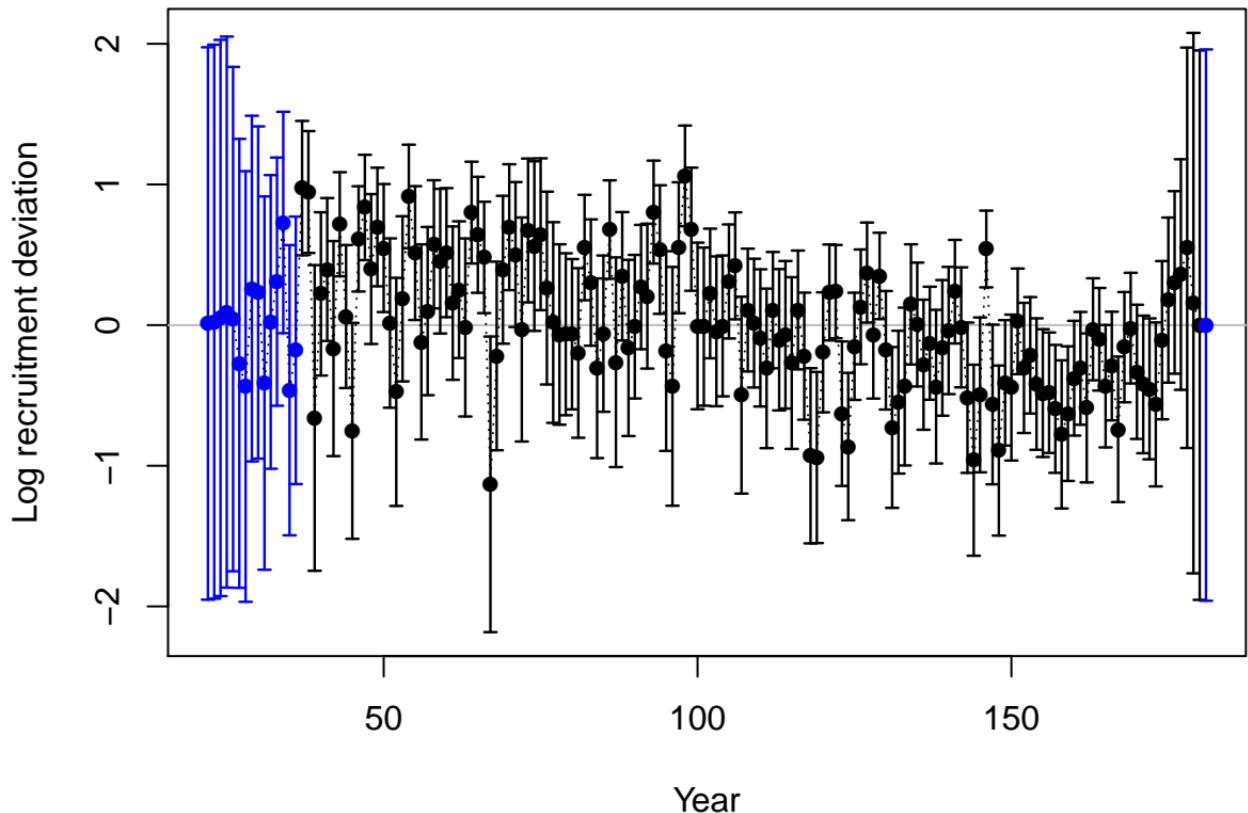


Age-0 recruits (1,000s) with ~95% asymptotic intervals

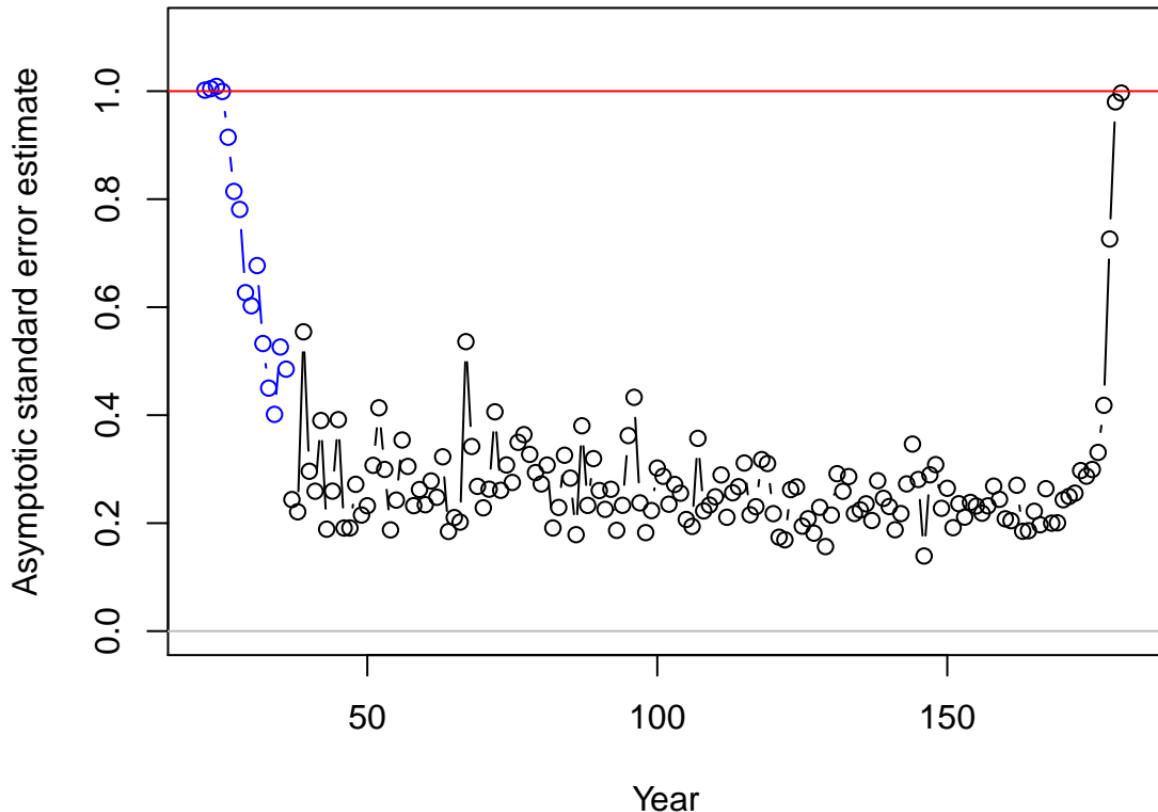


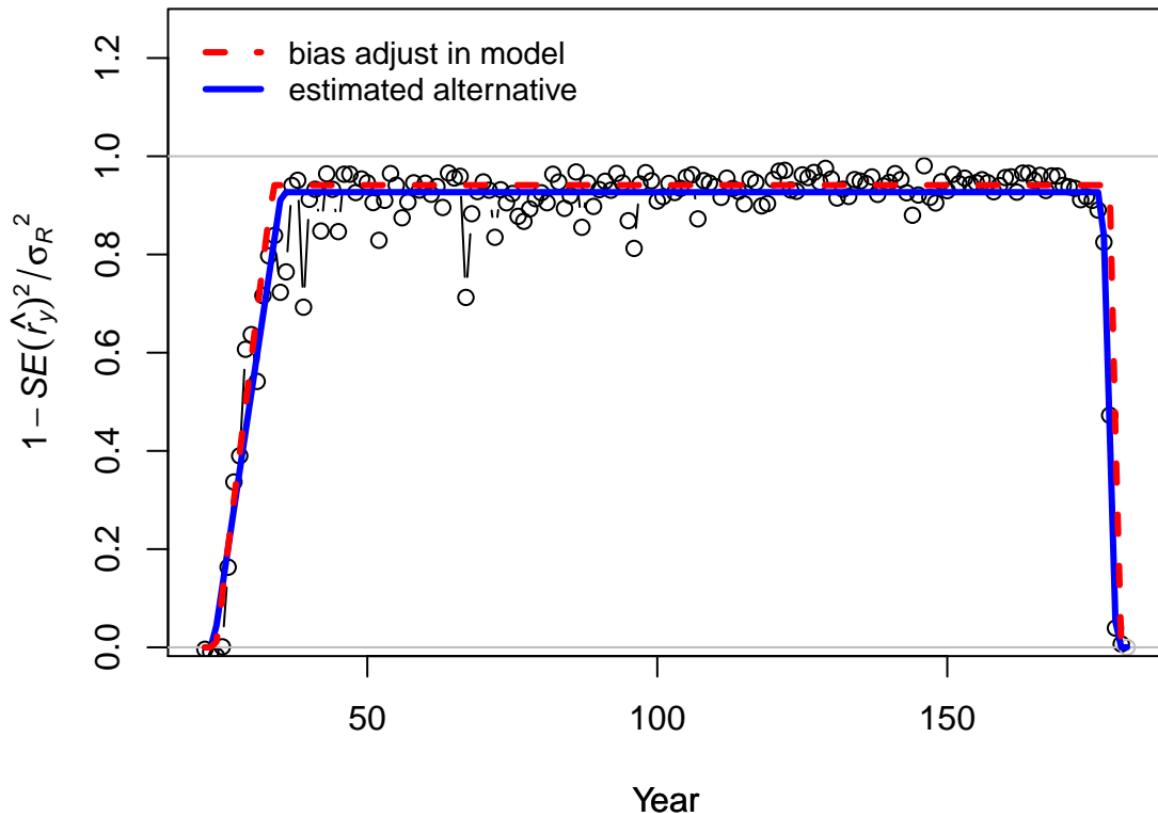


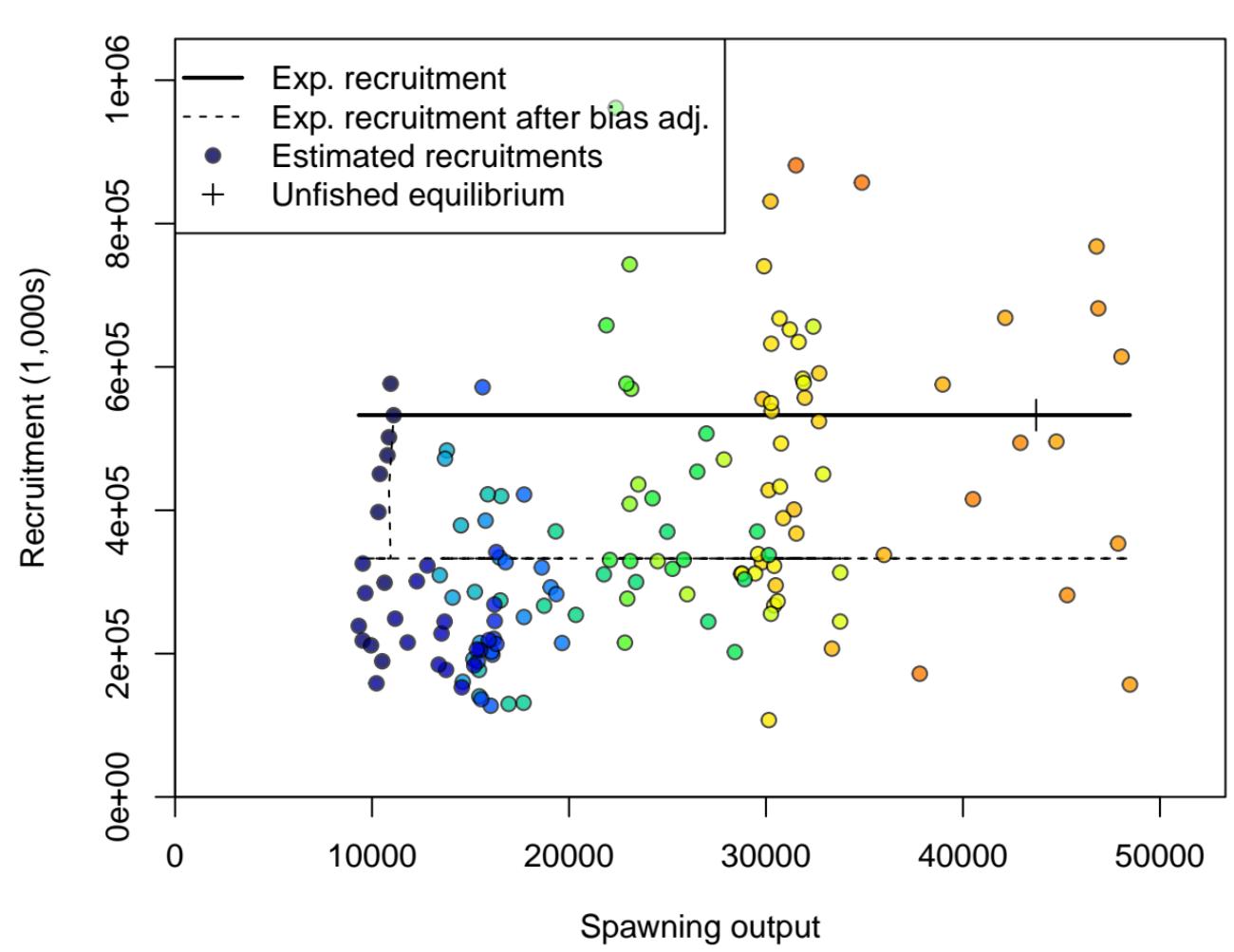


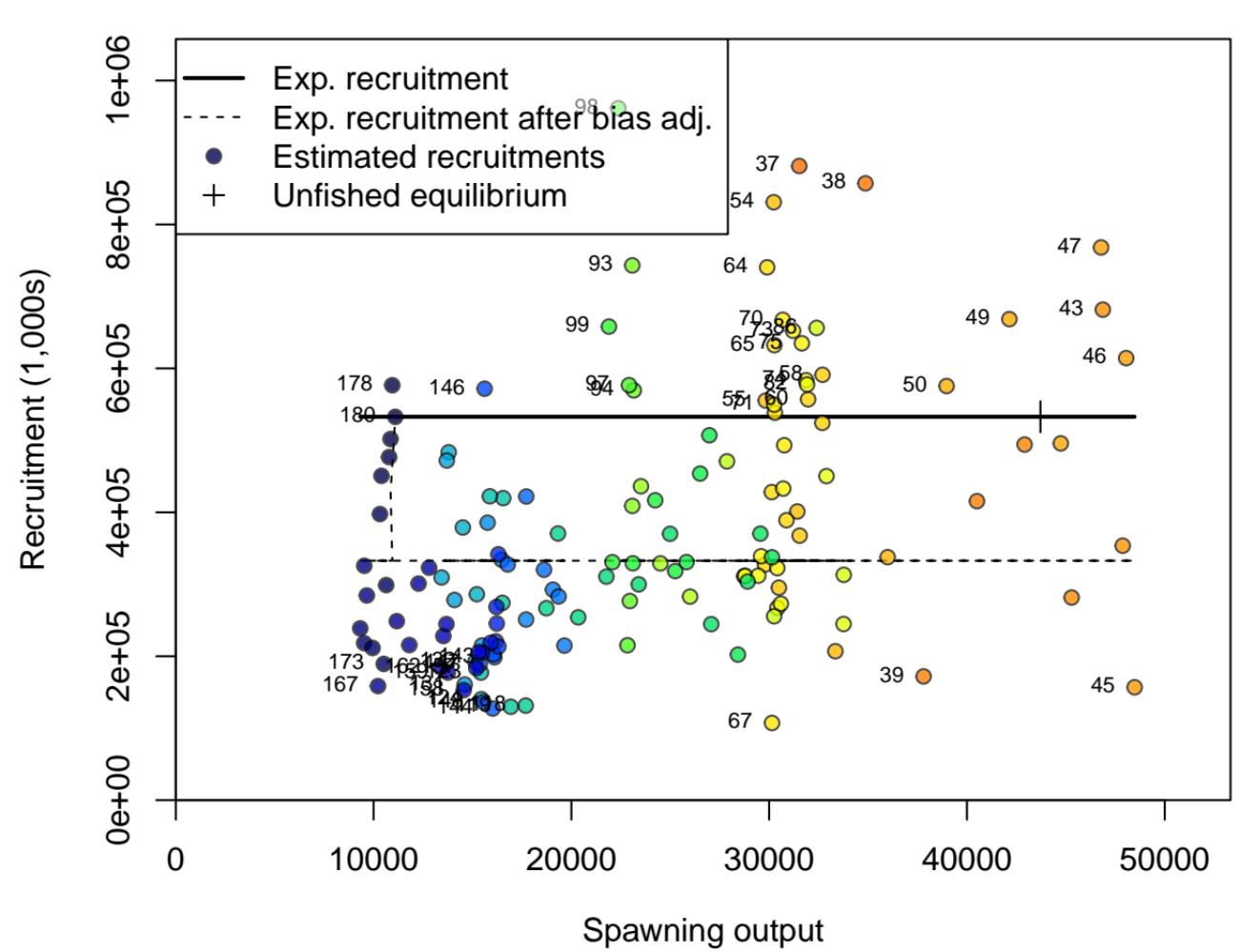


Recruitment deviation variance

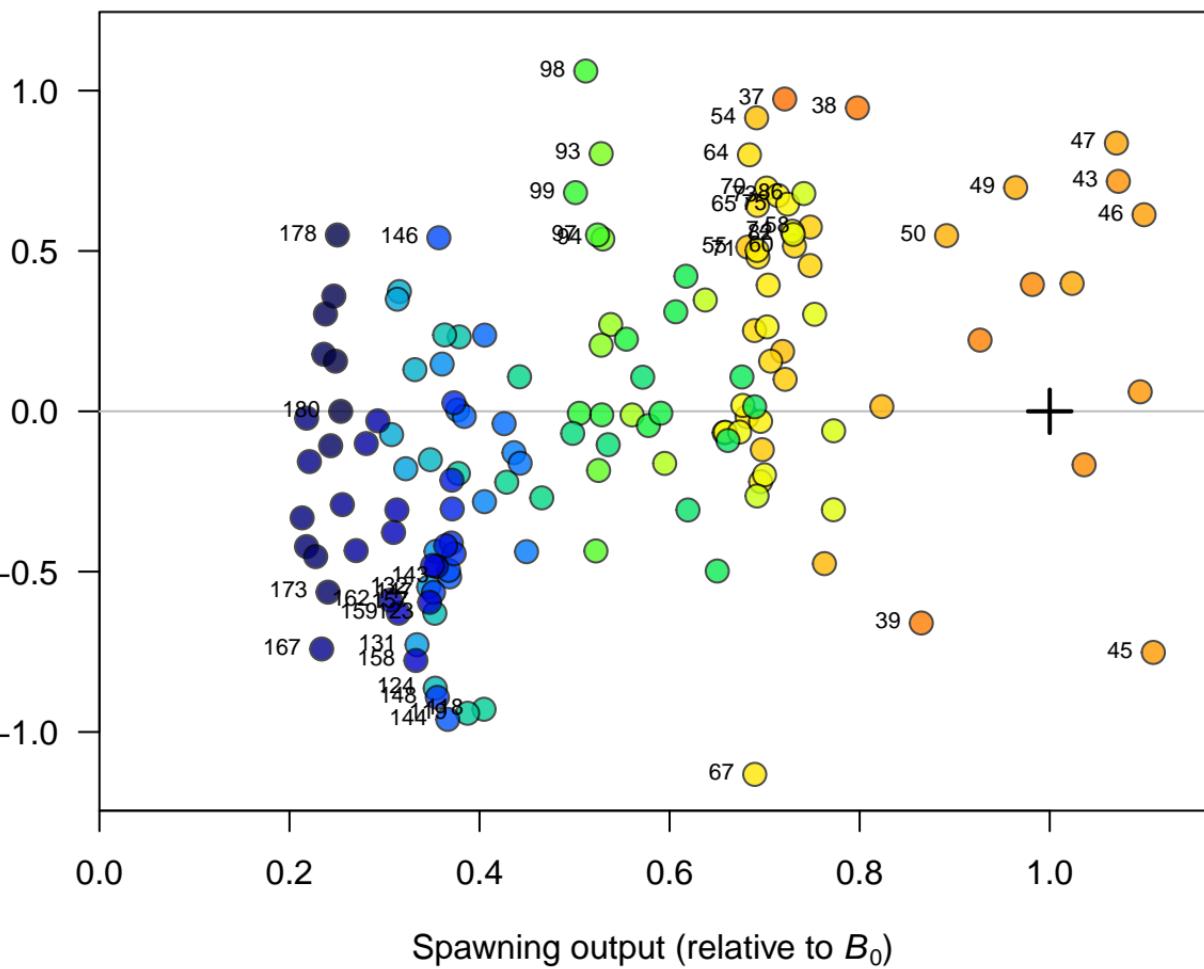


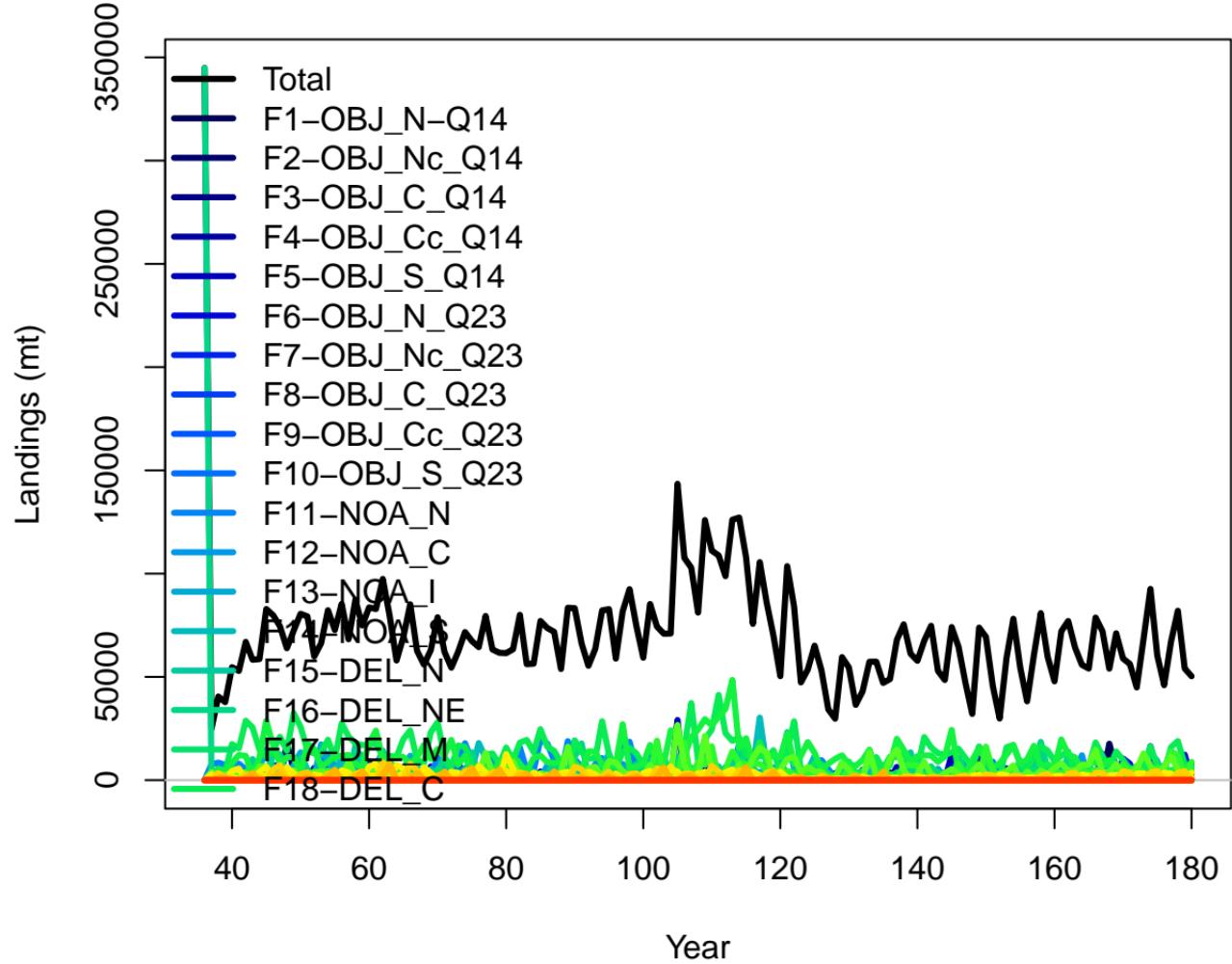


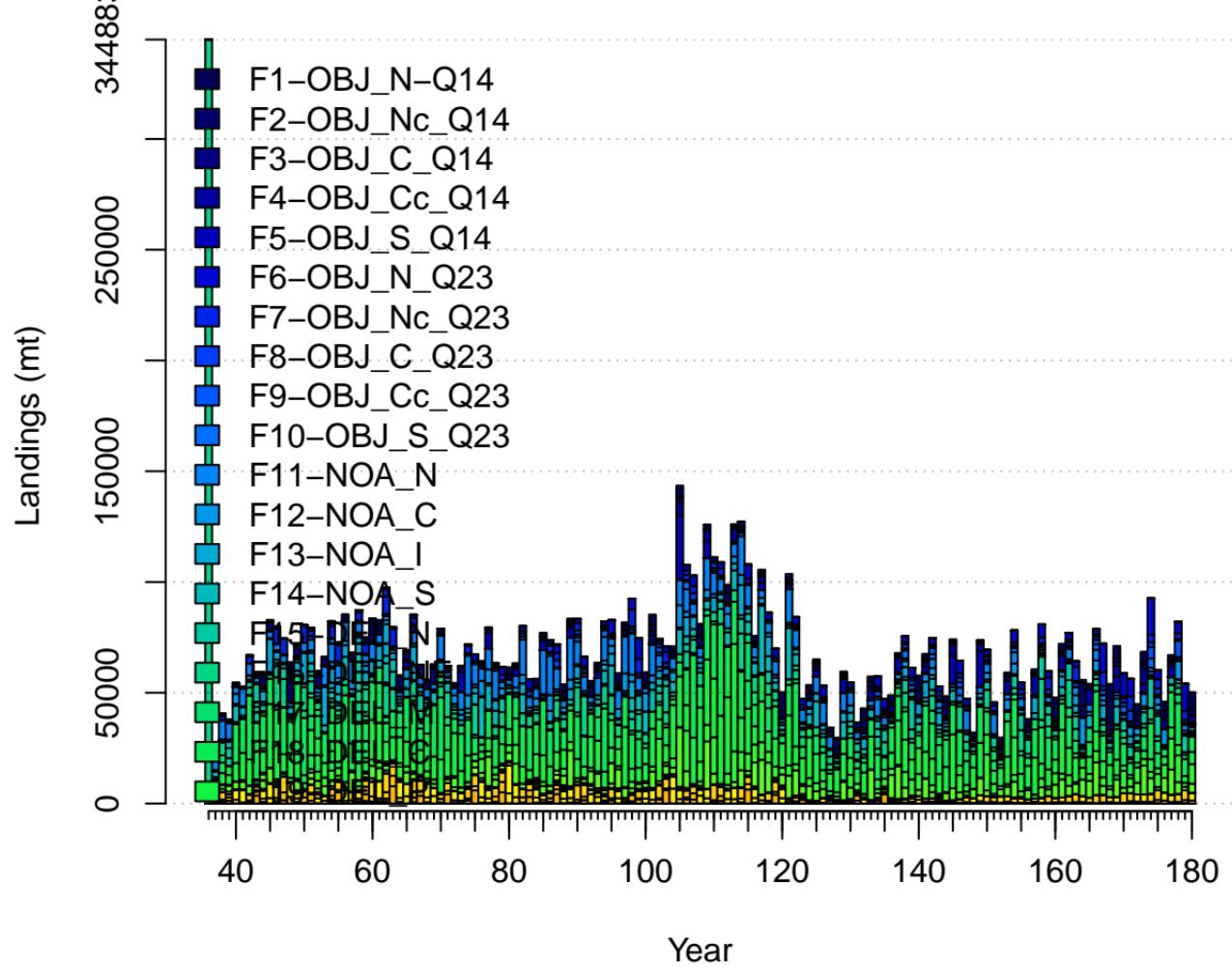




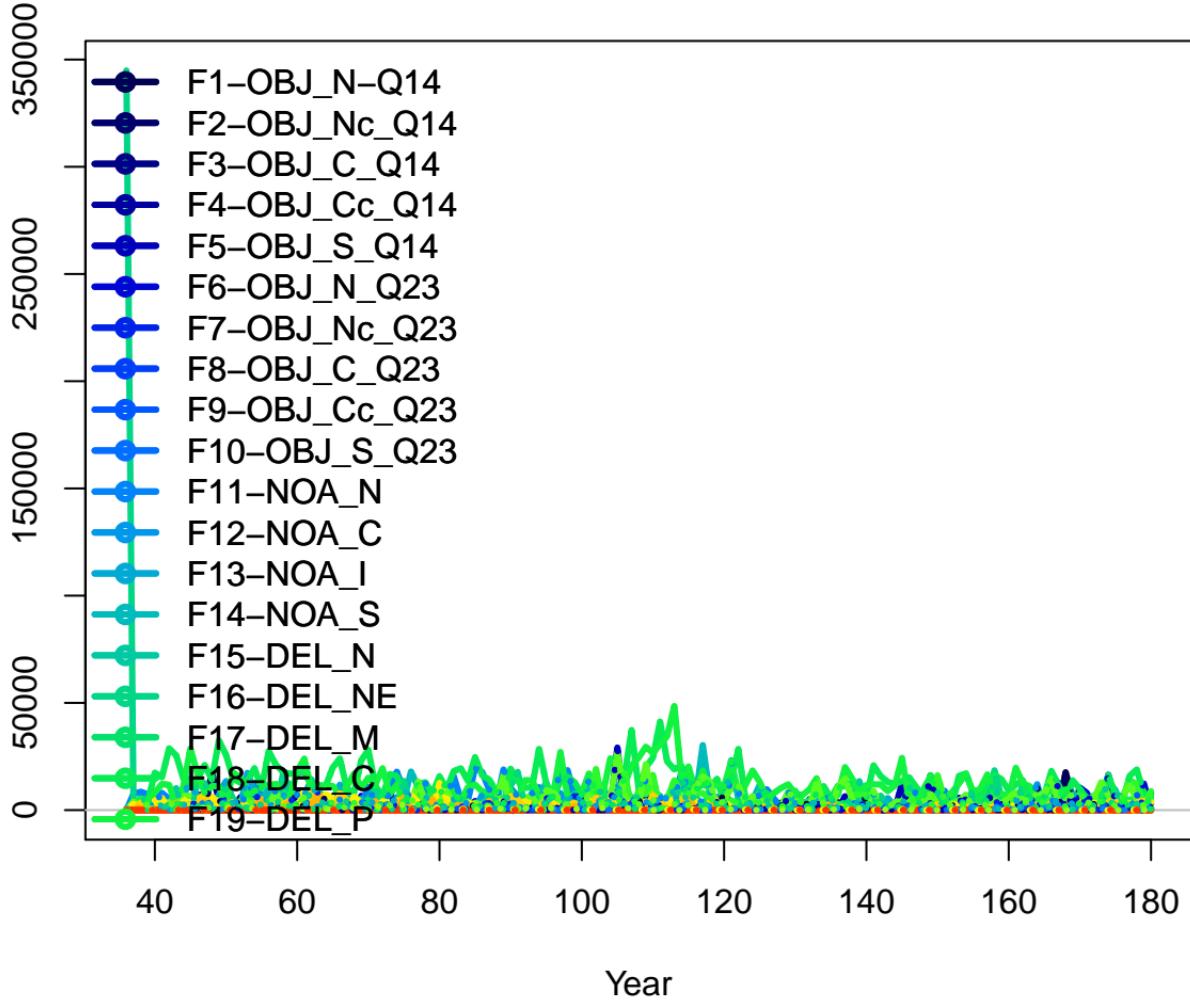
Log recruitment deviation



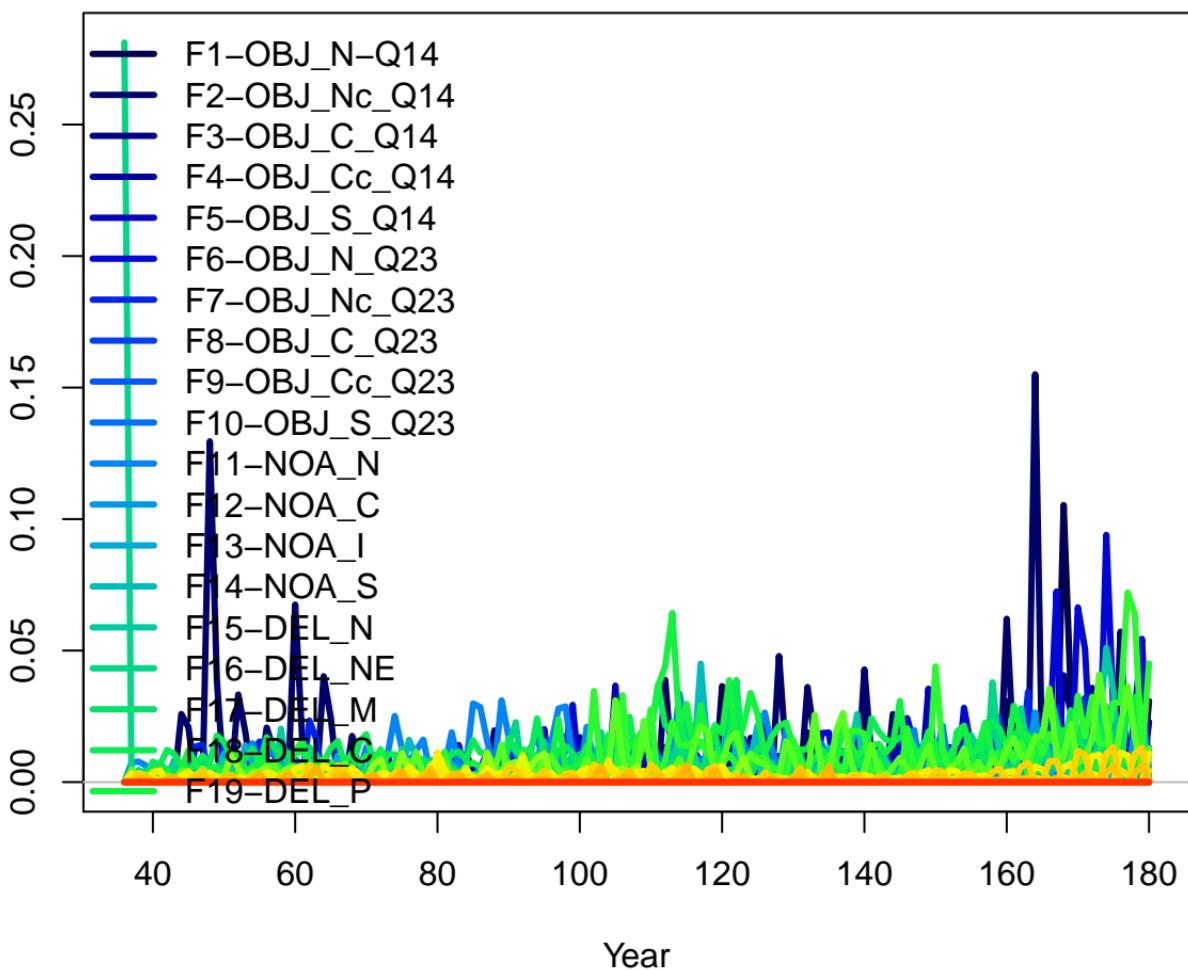


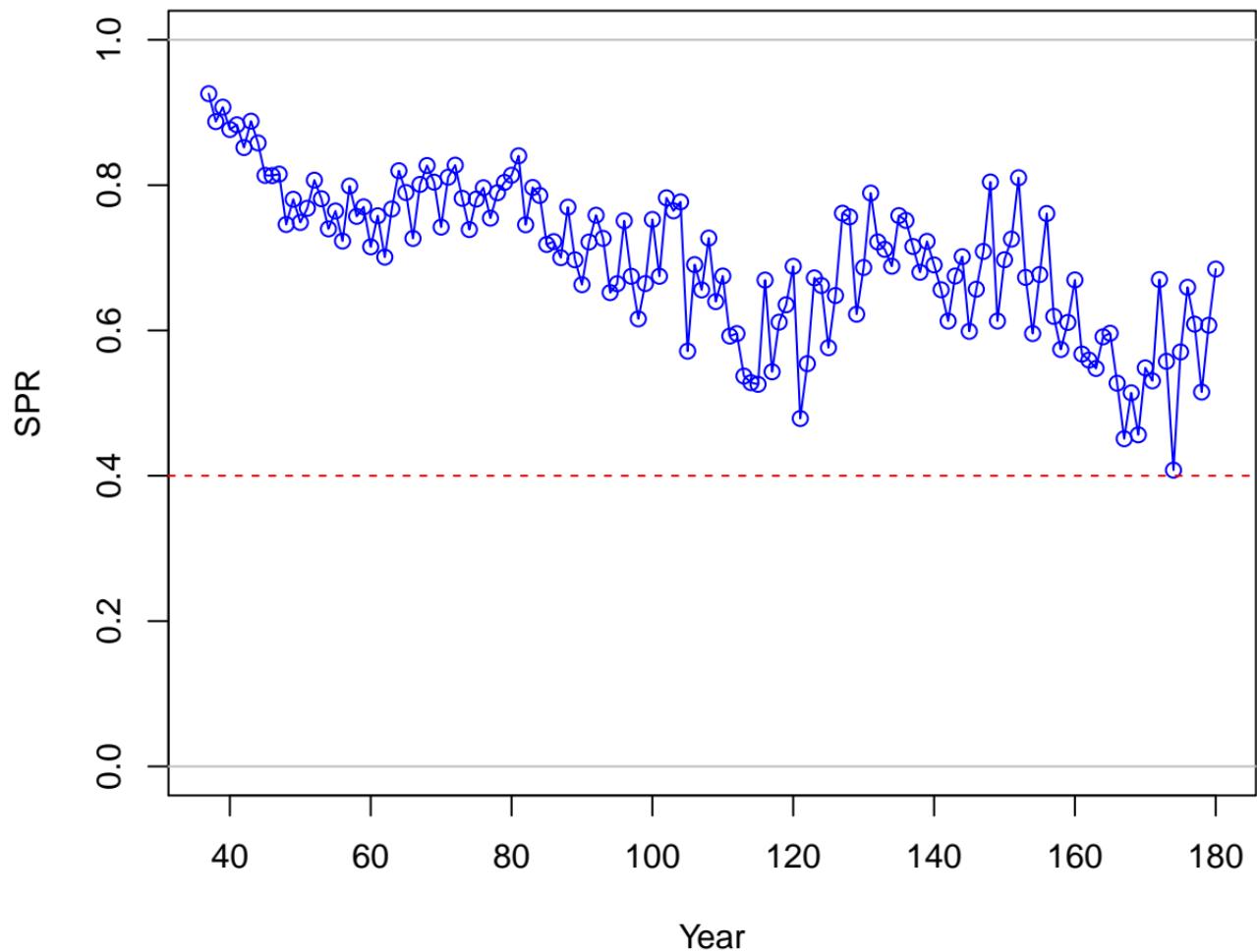


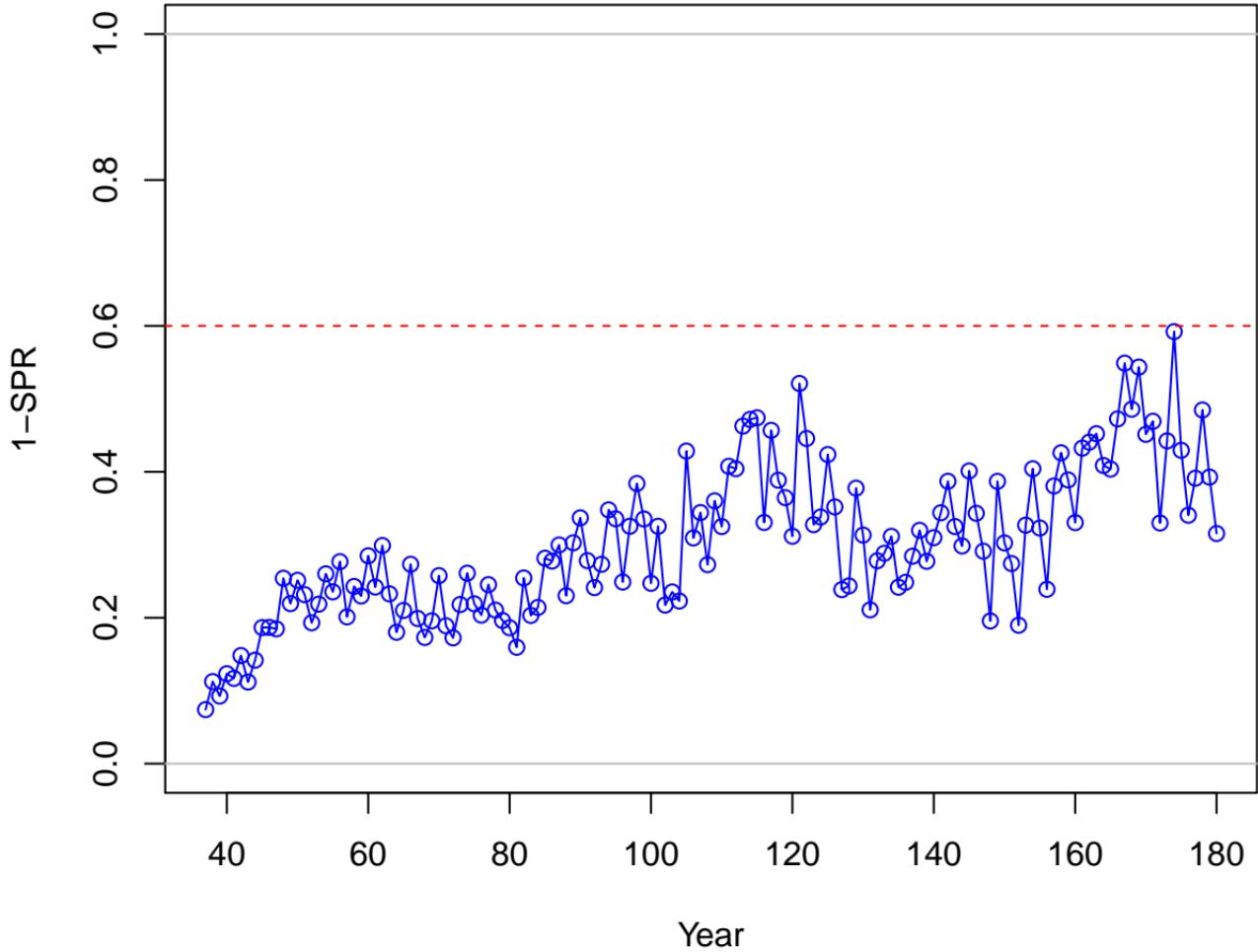
Observed and expected Landings (mt)

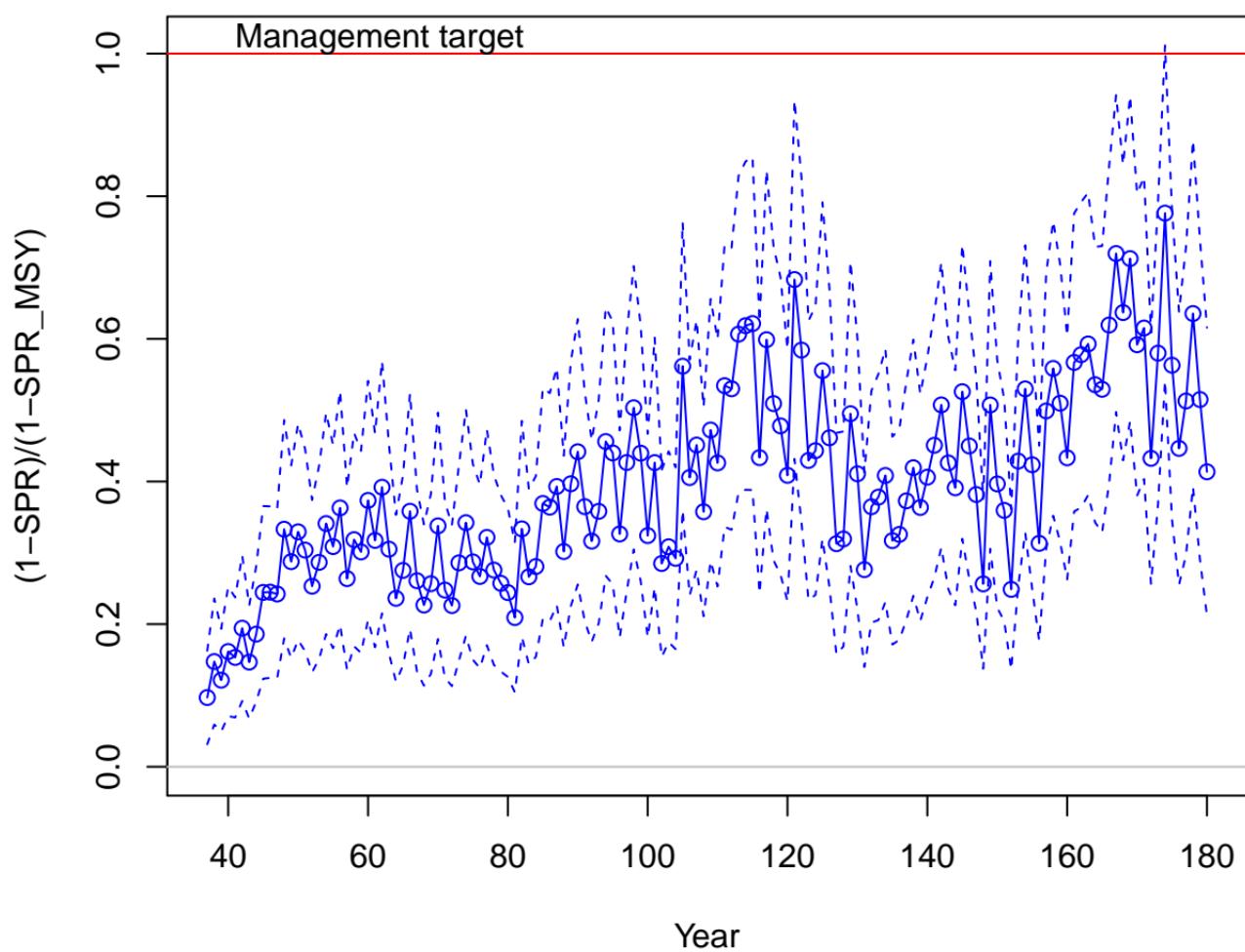


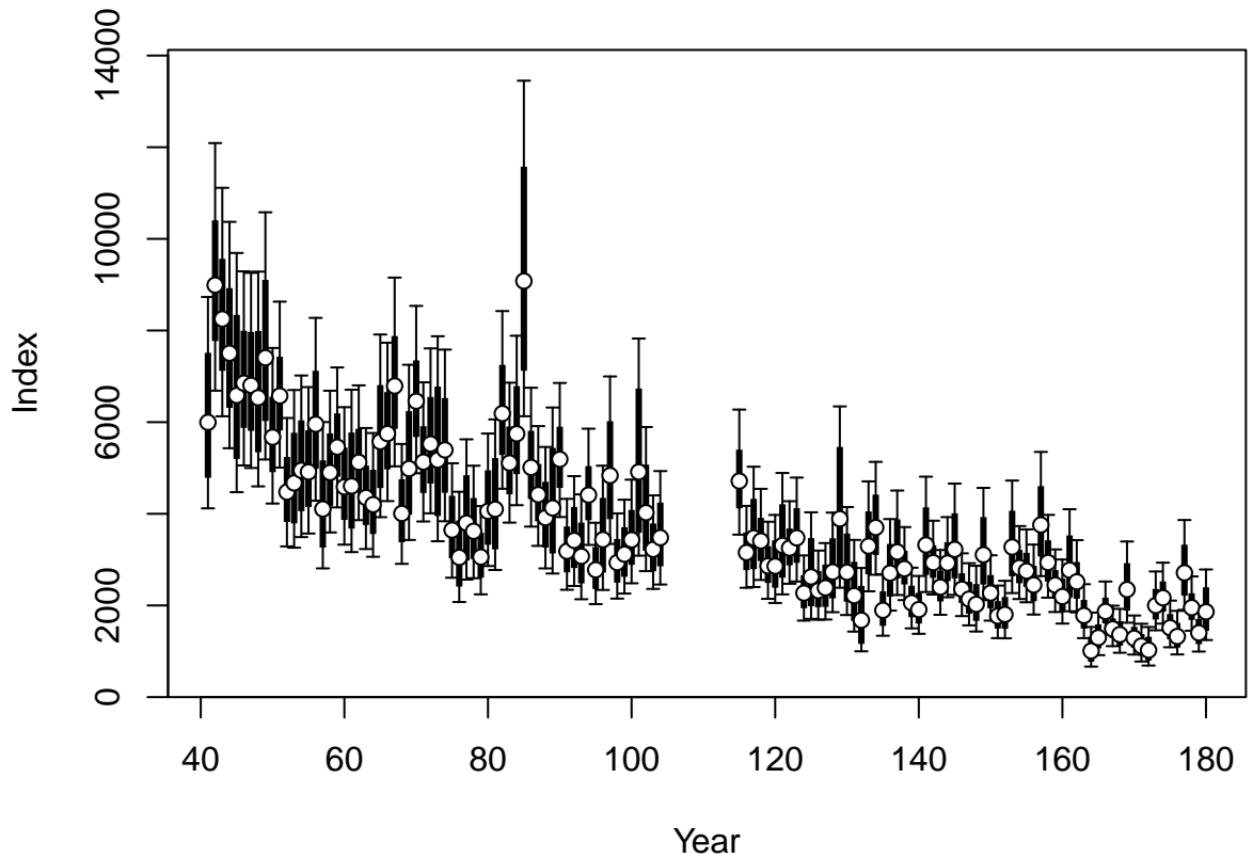
Continuous F

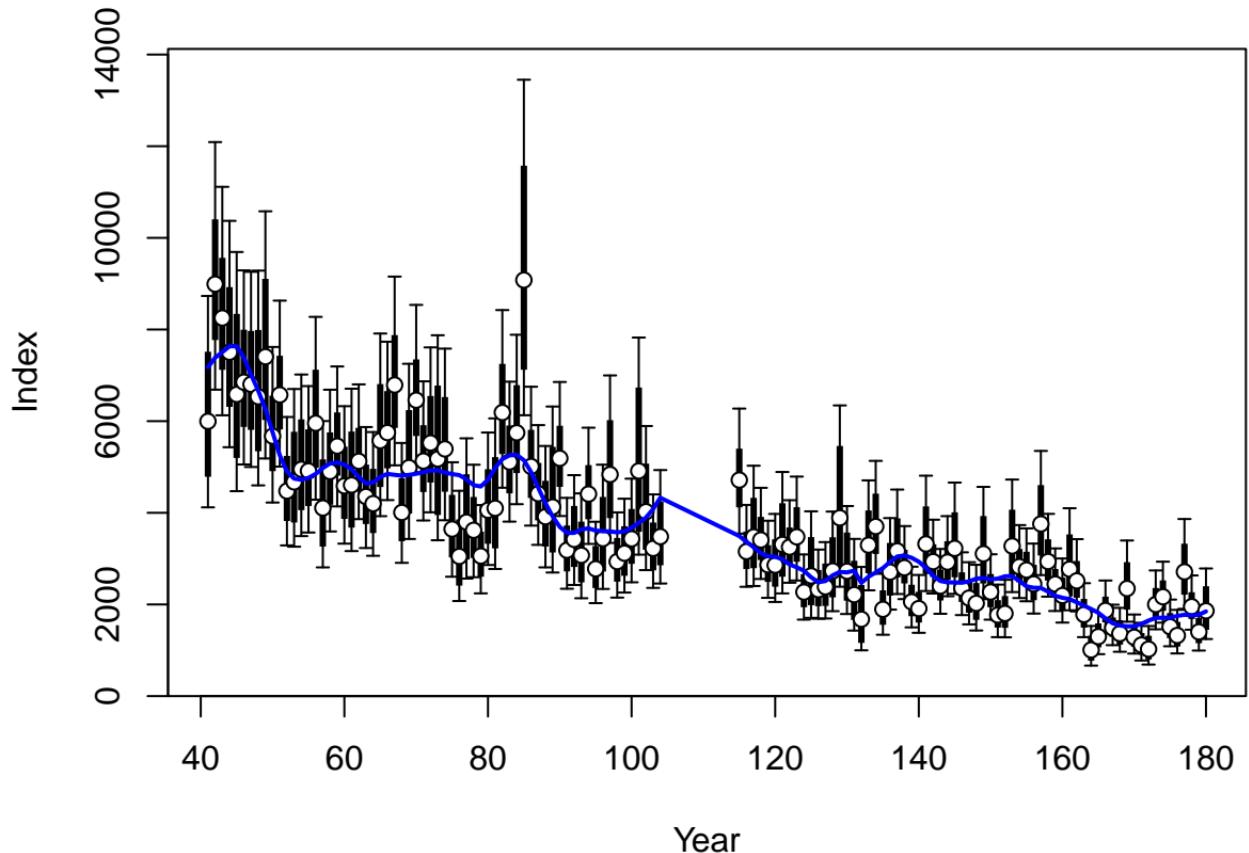


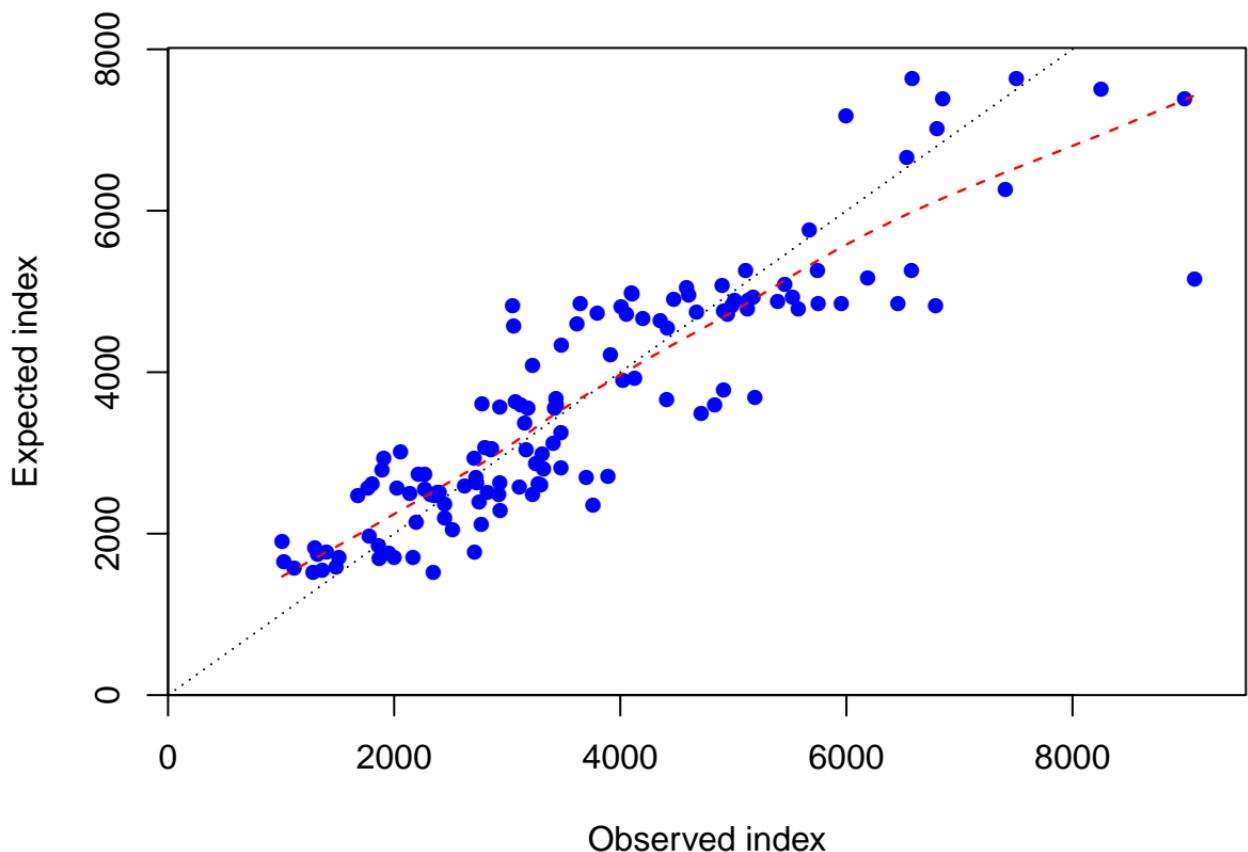


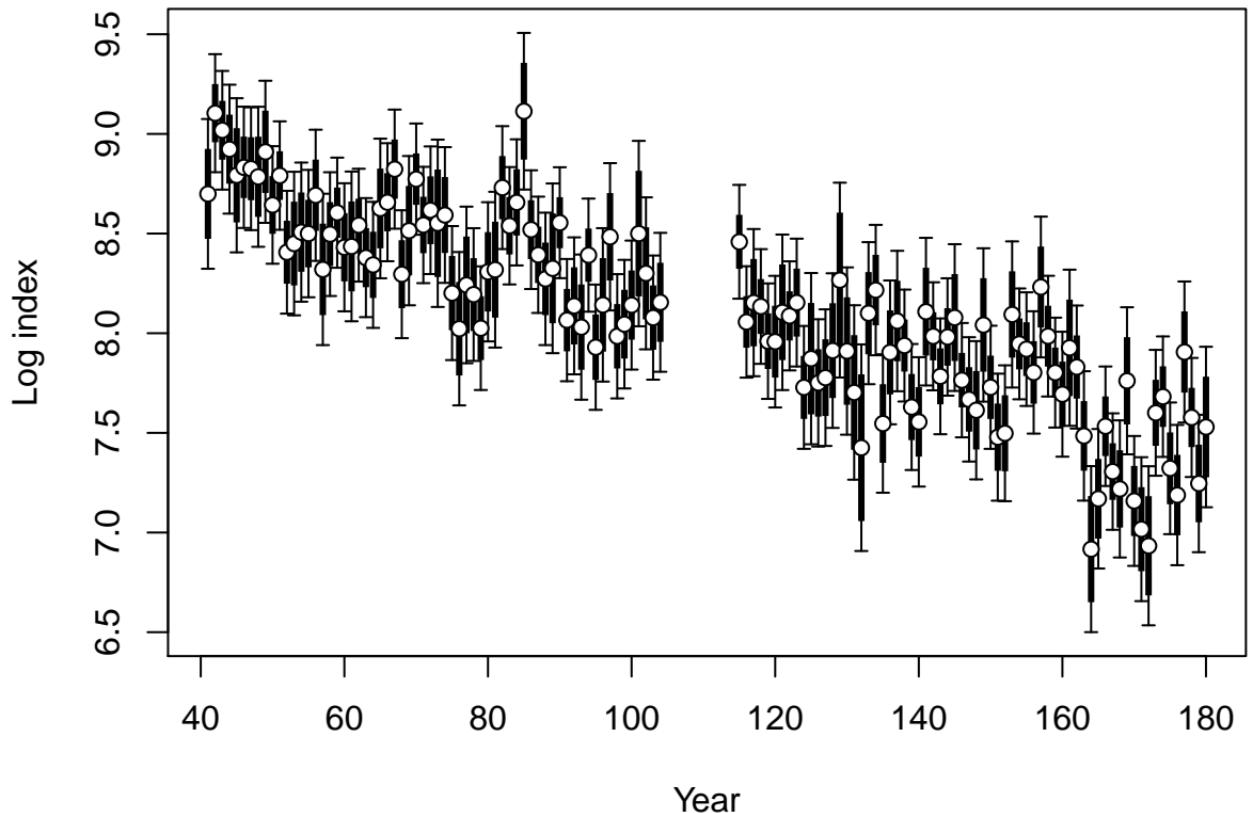


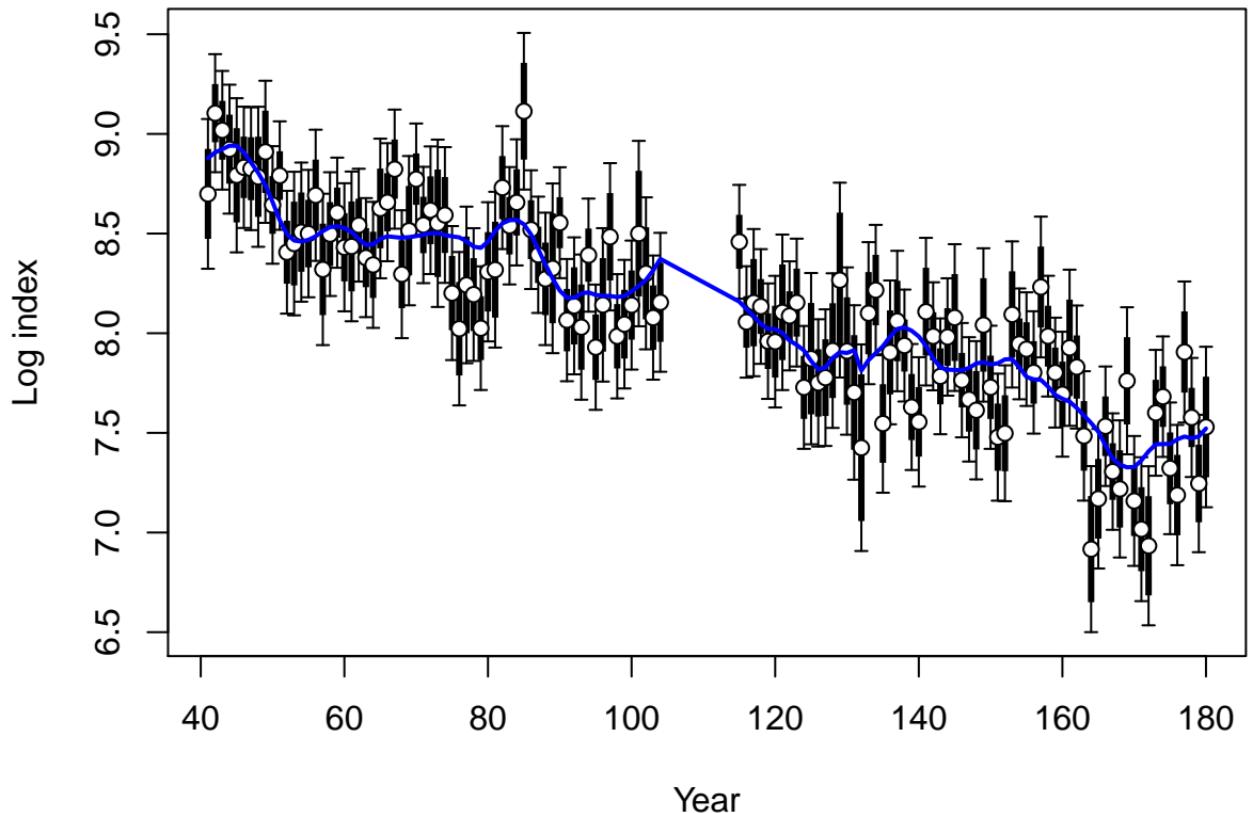


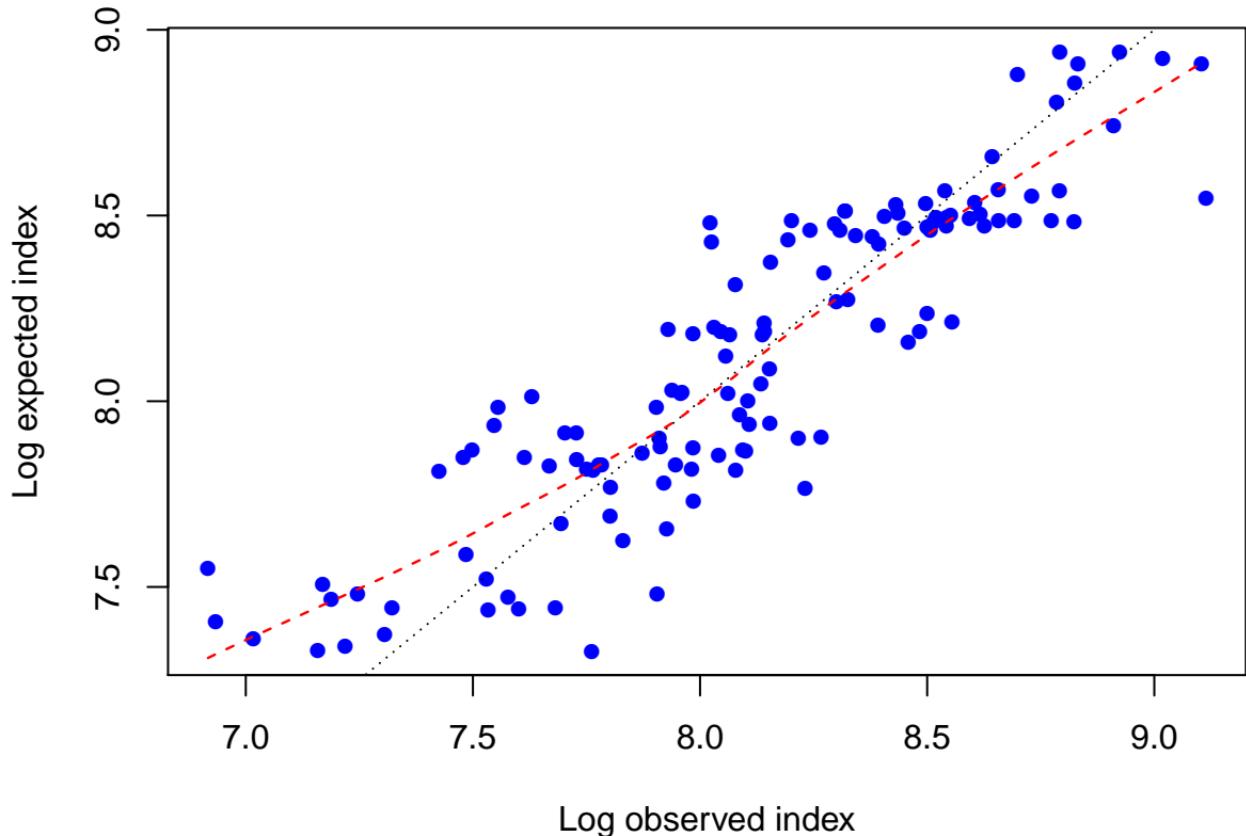


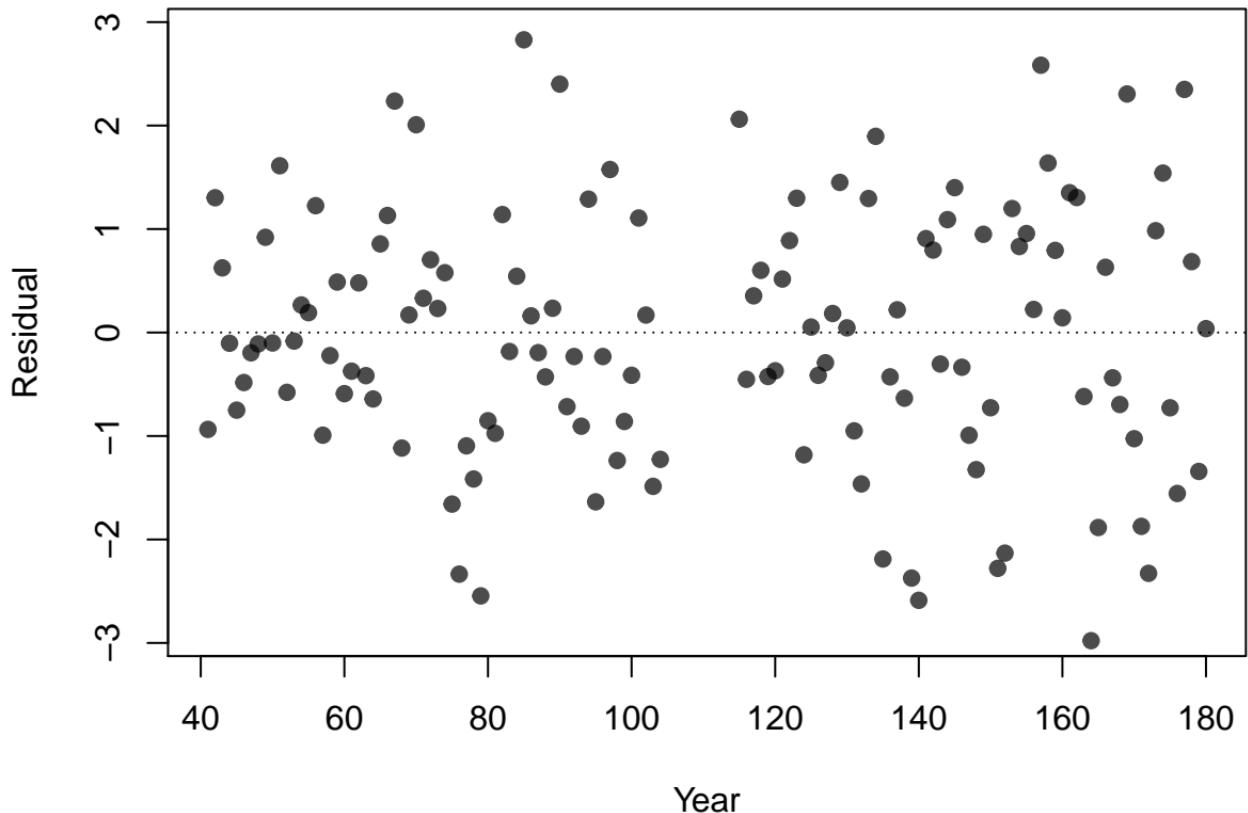


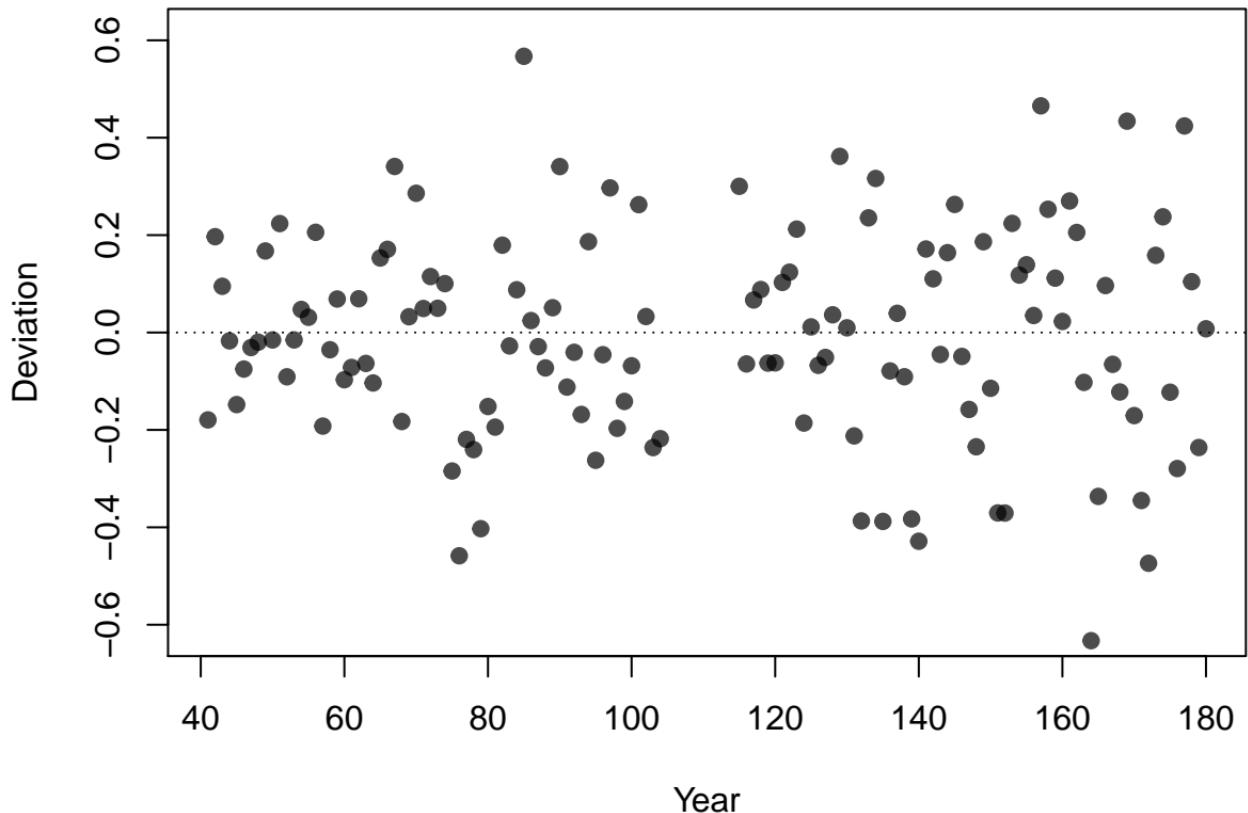


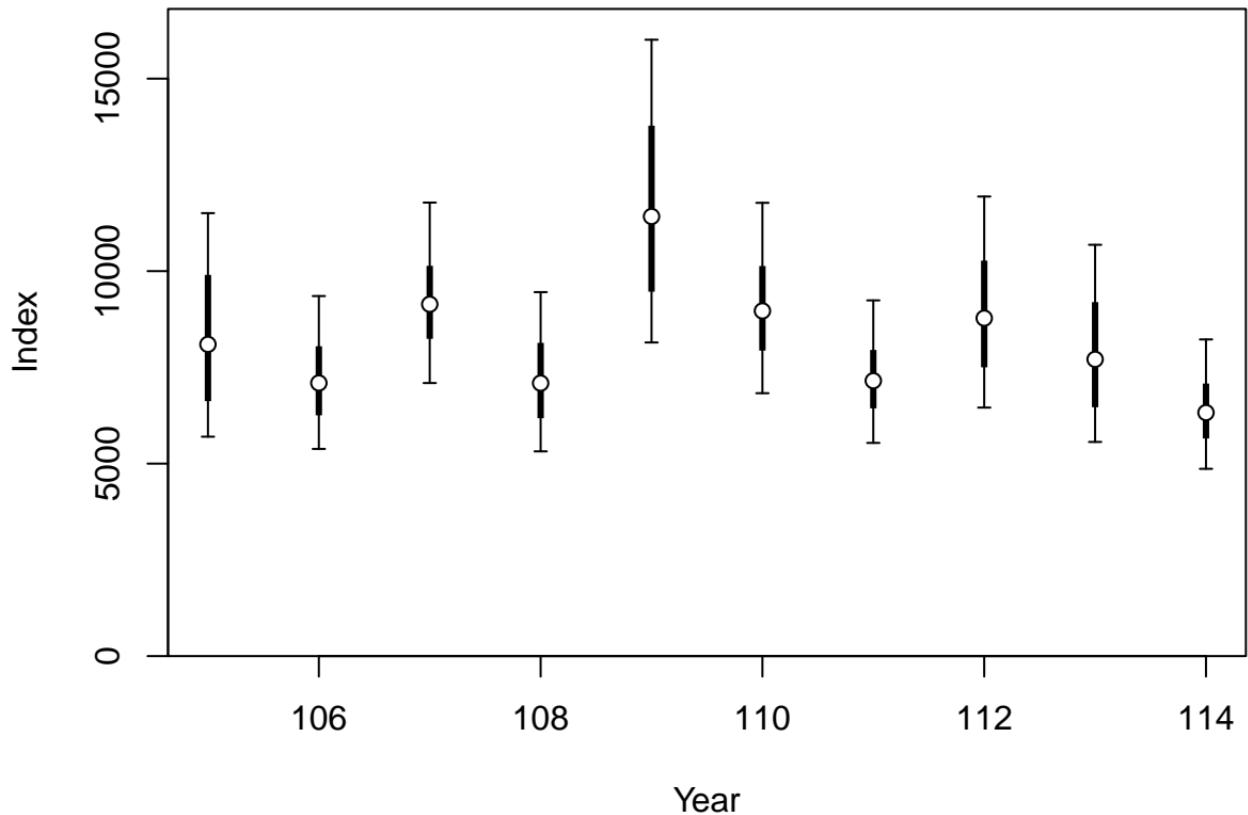


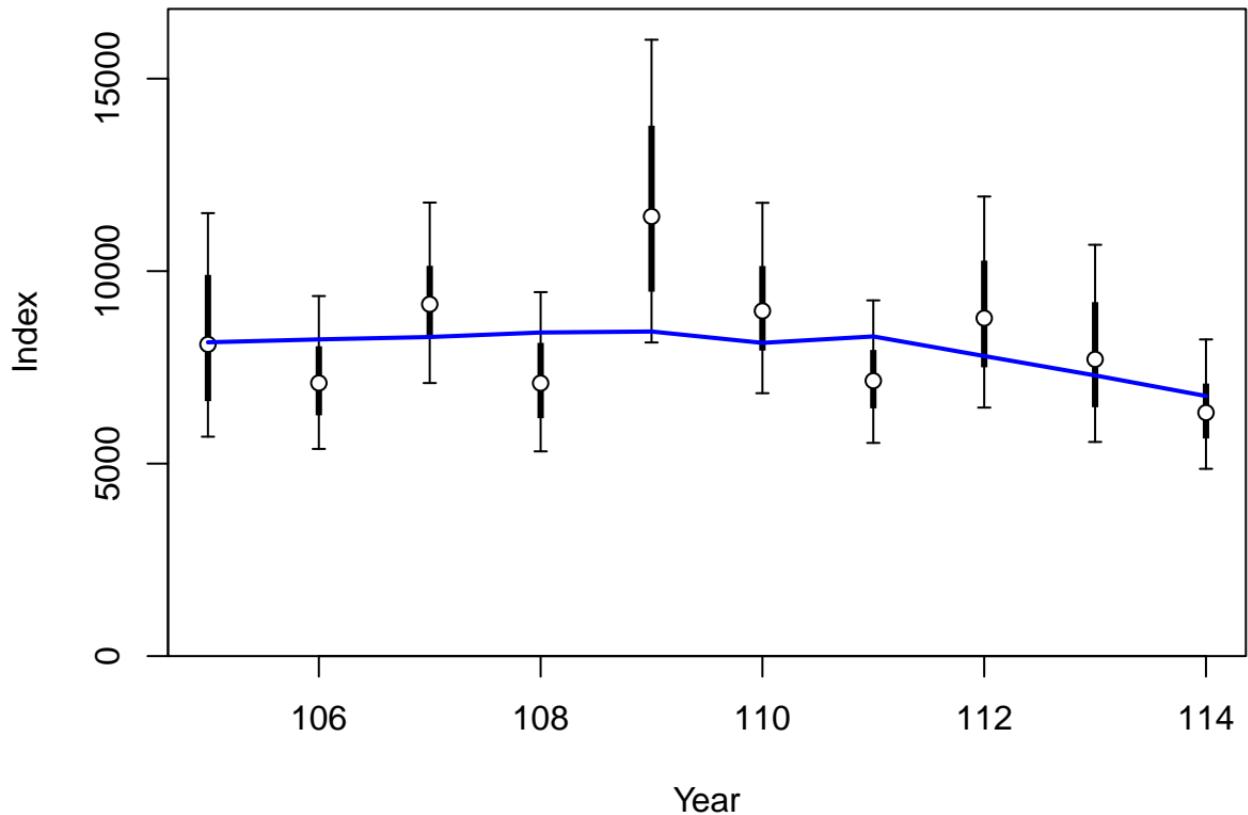


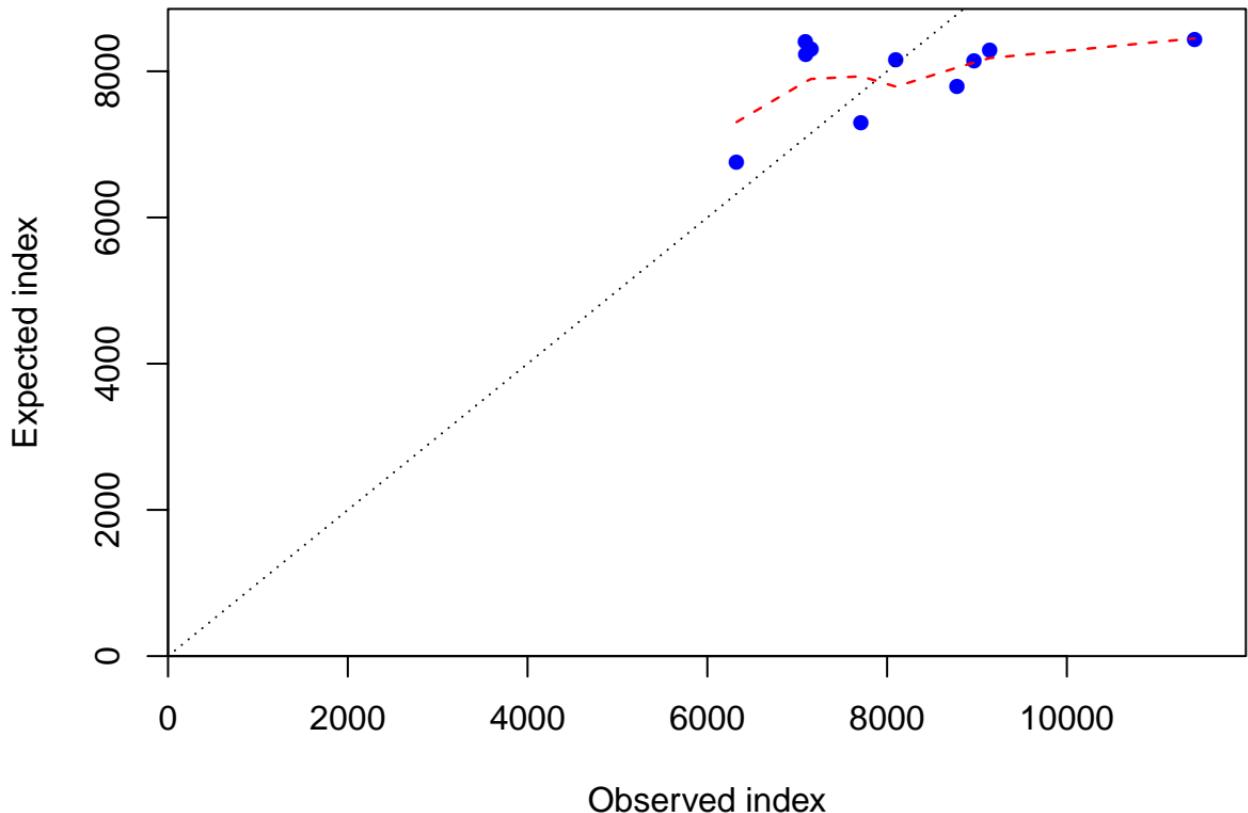


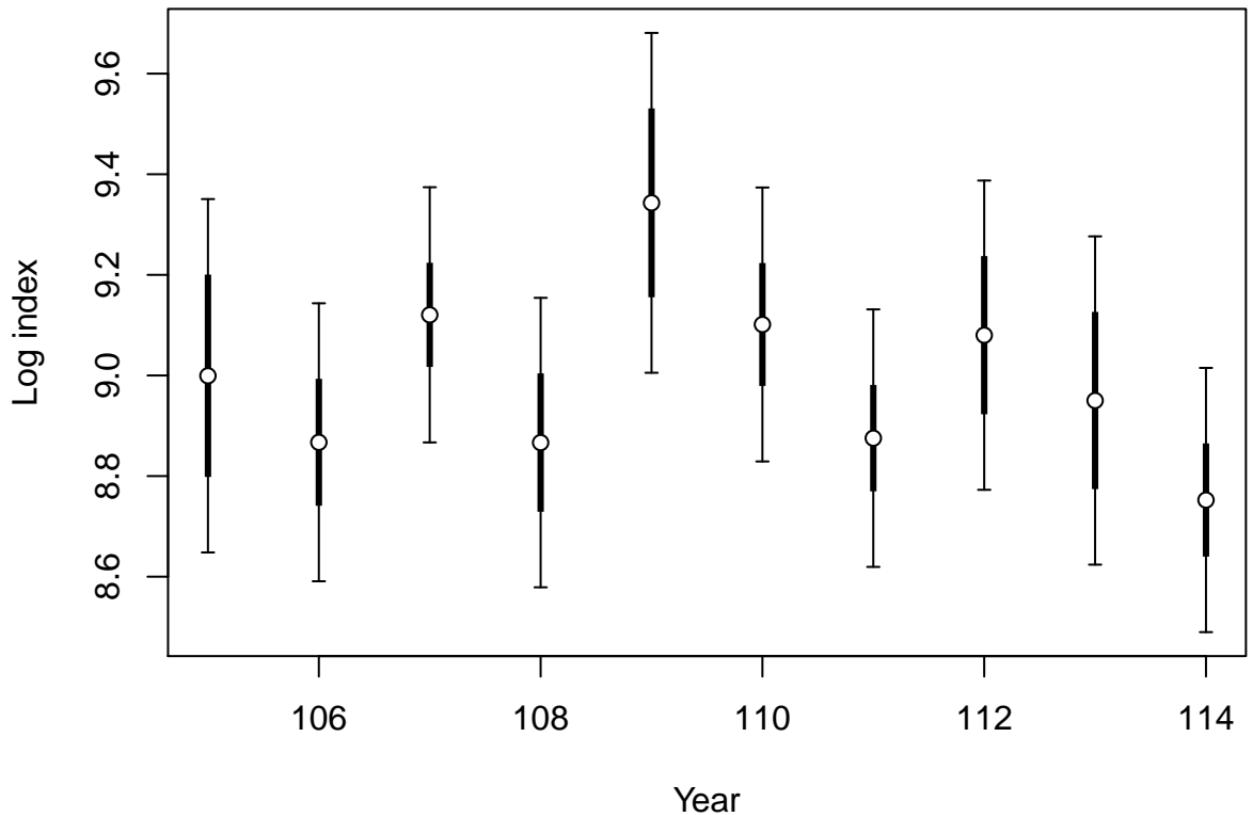


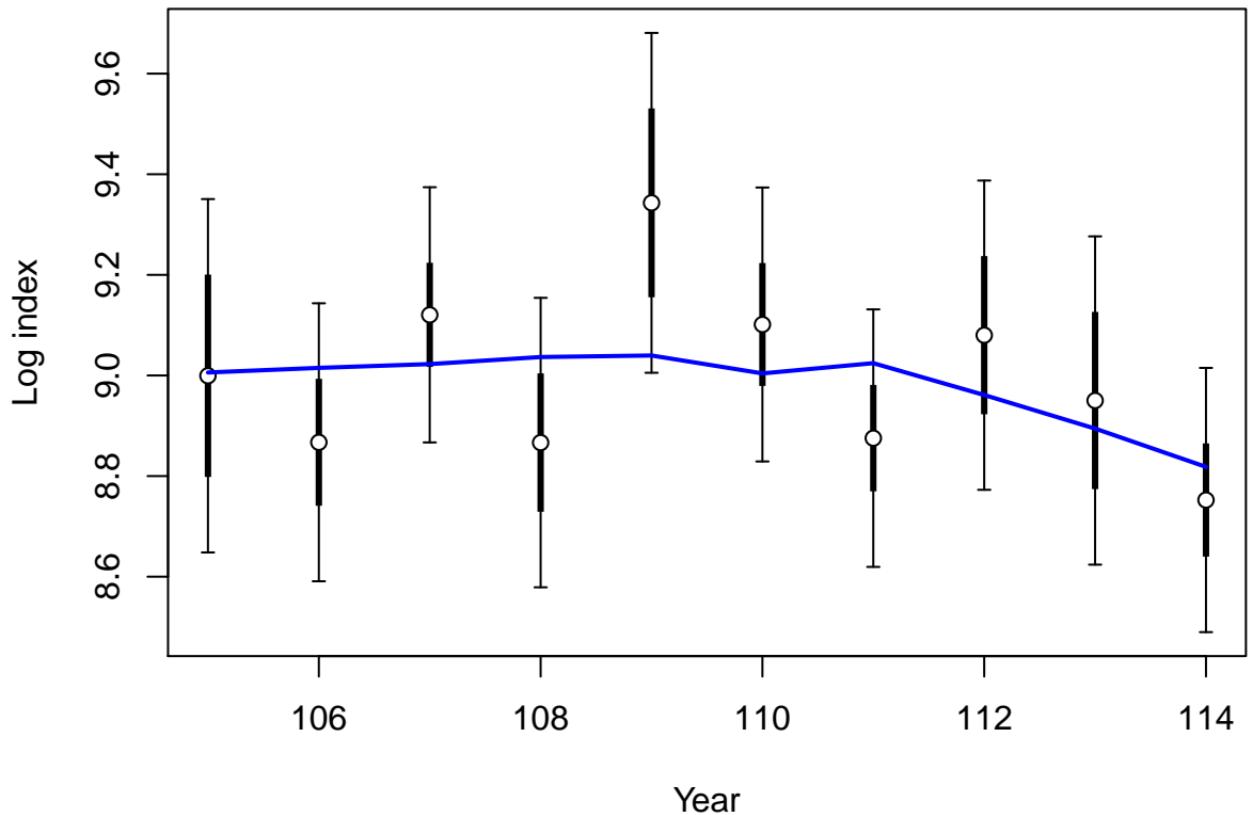


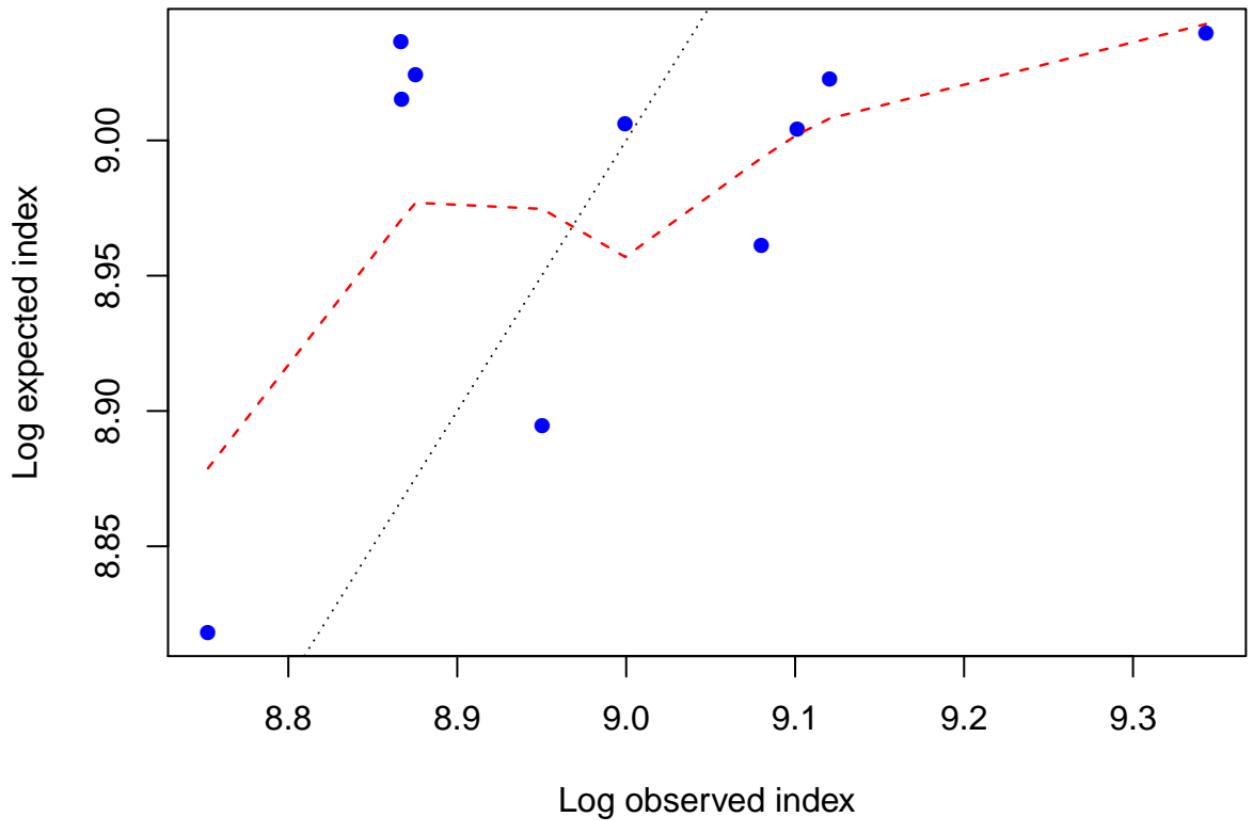


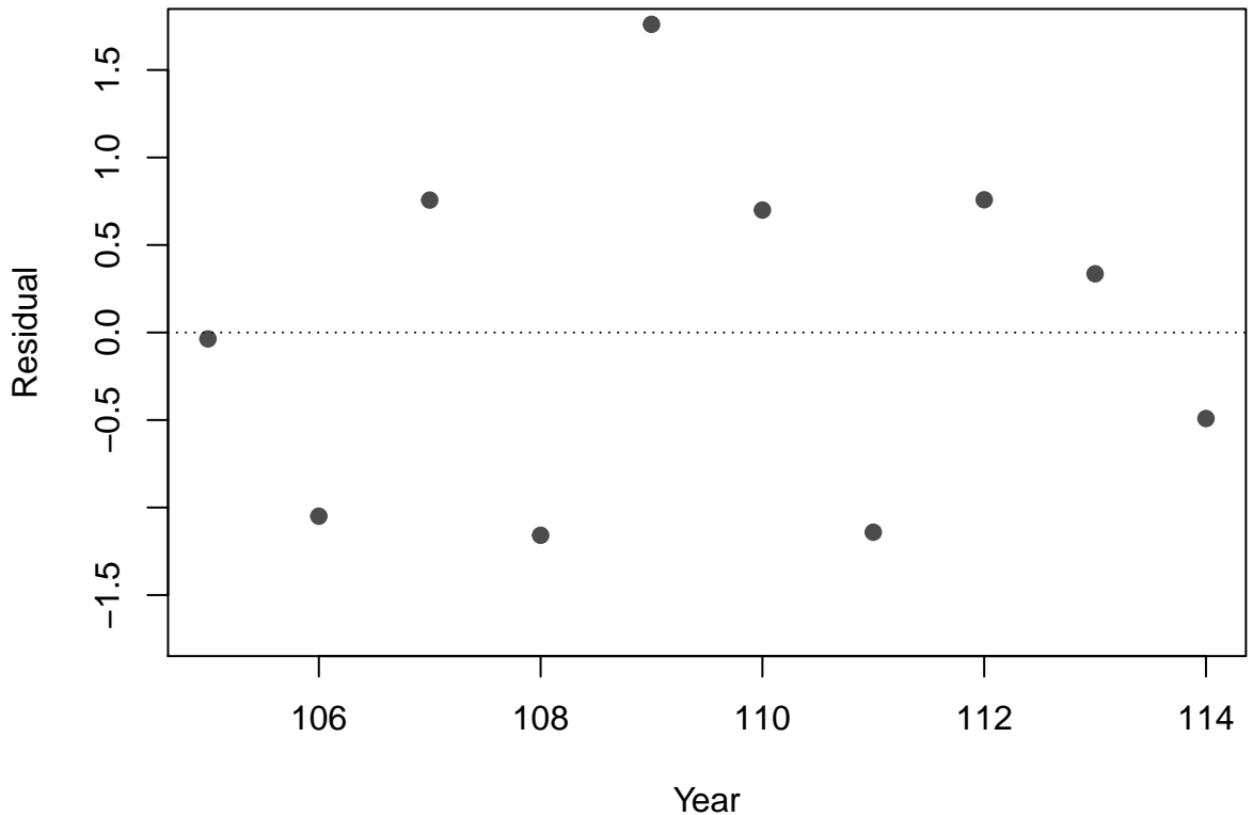


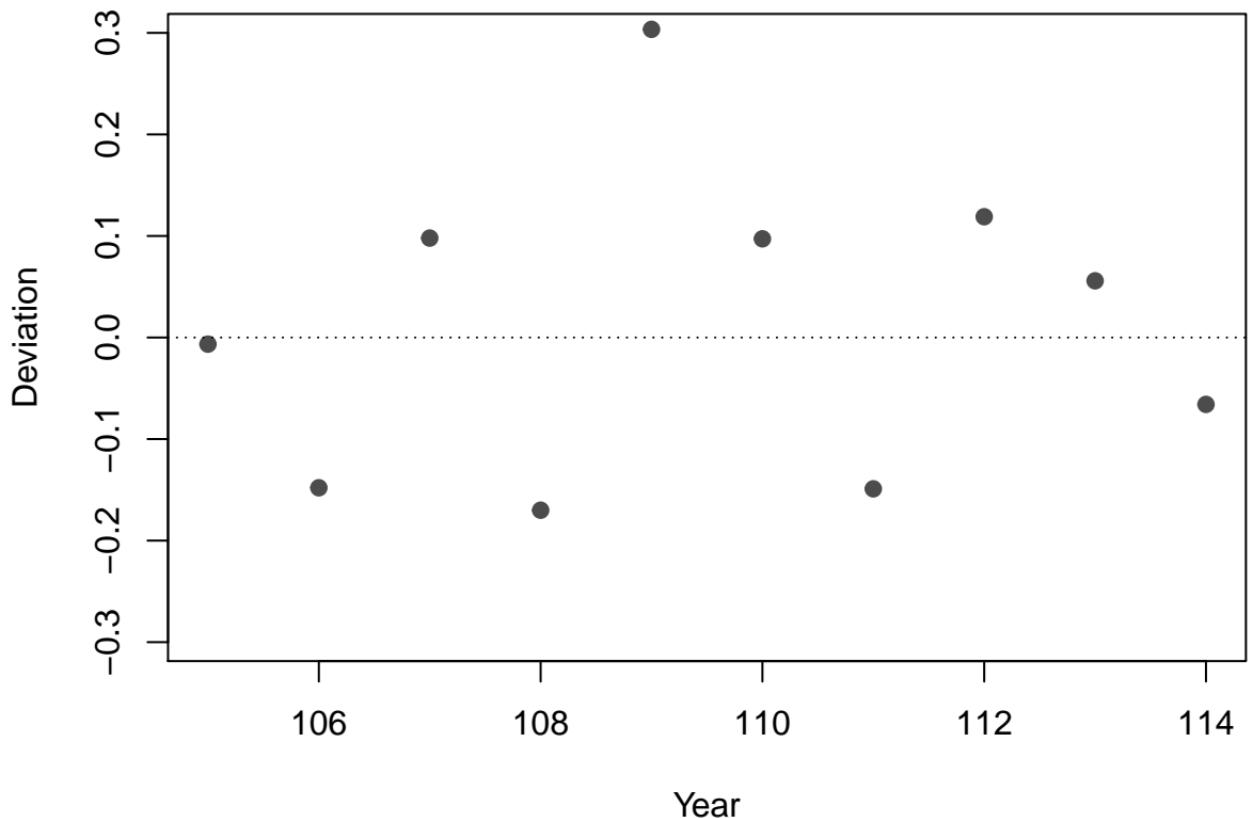


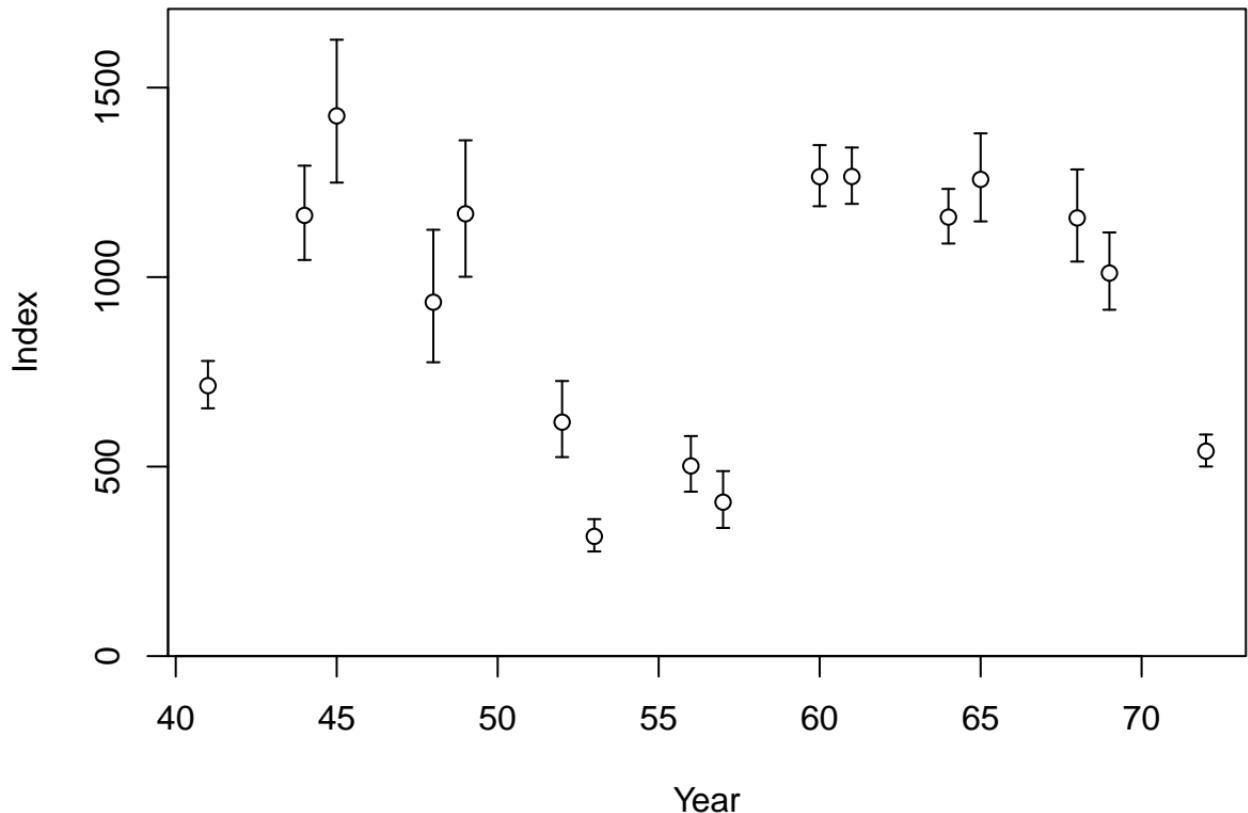


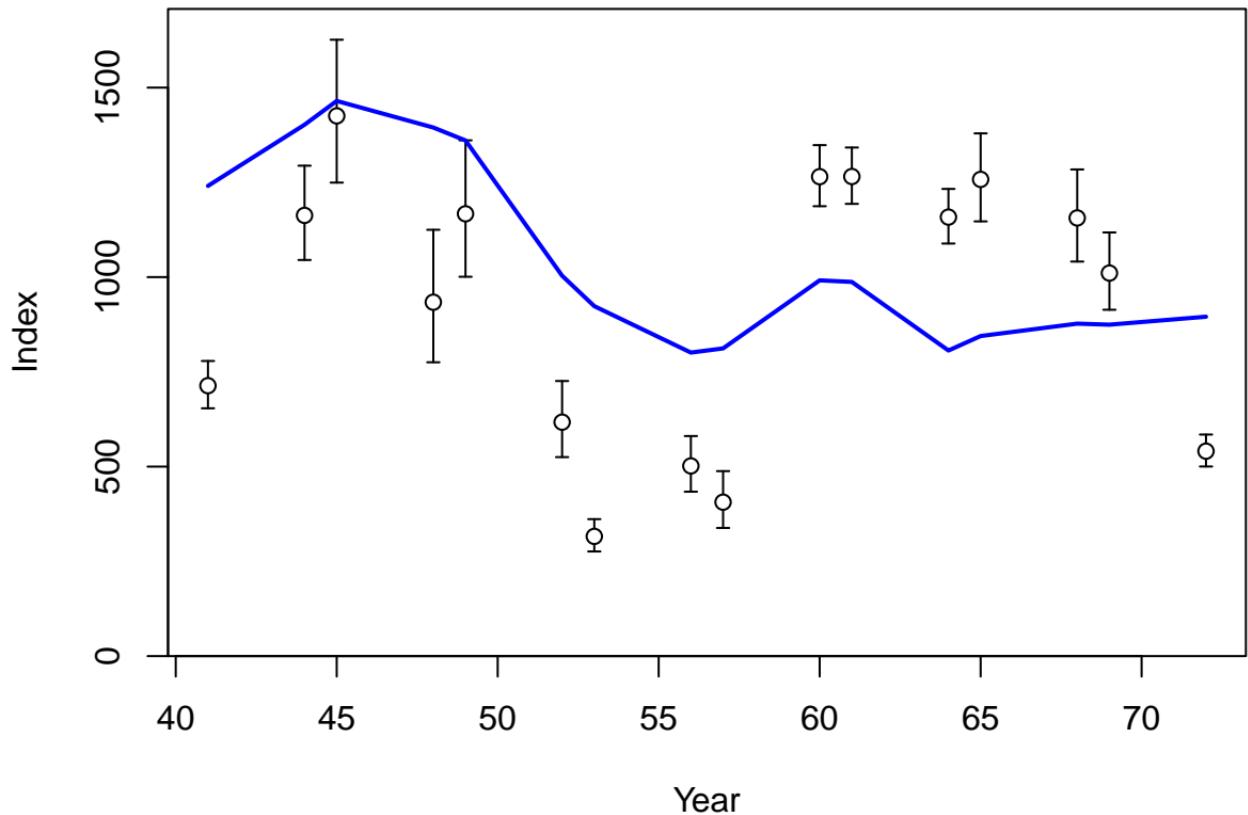


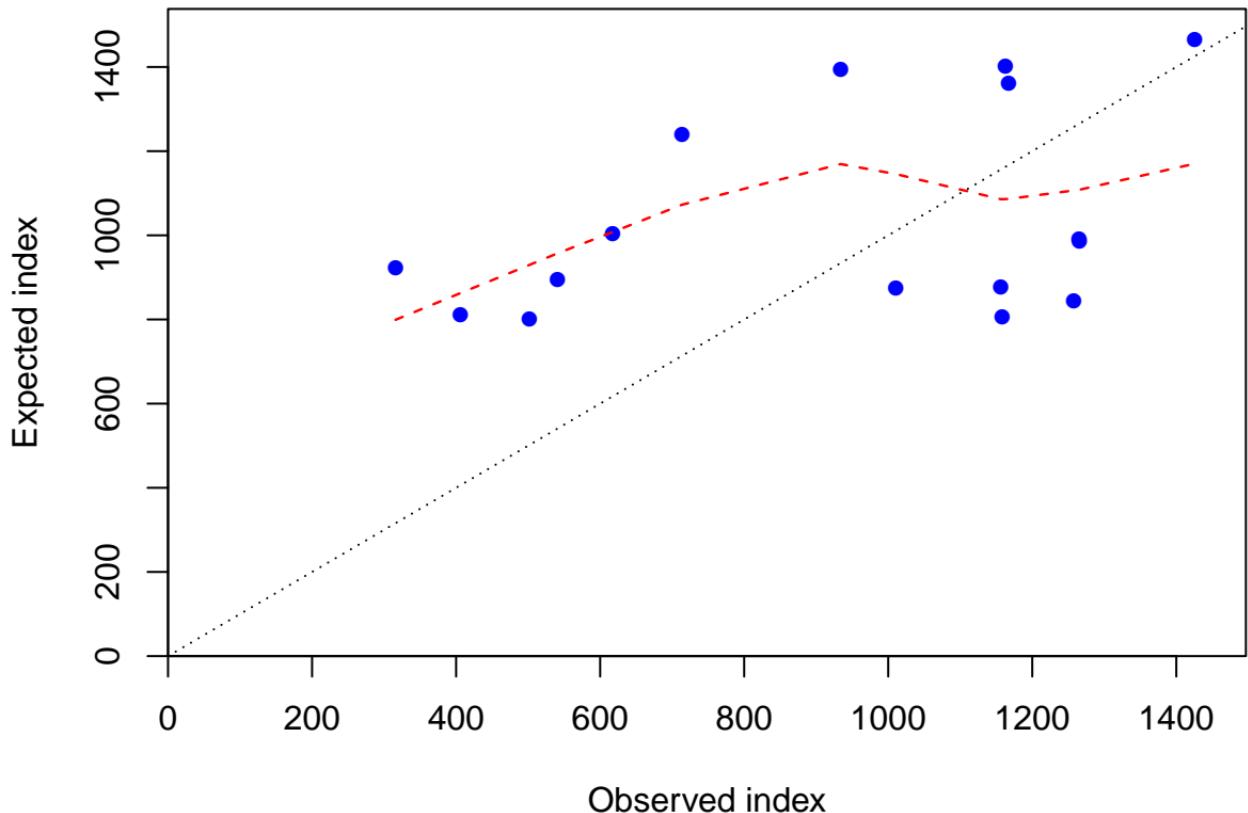


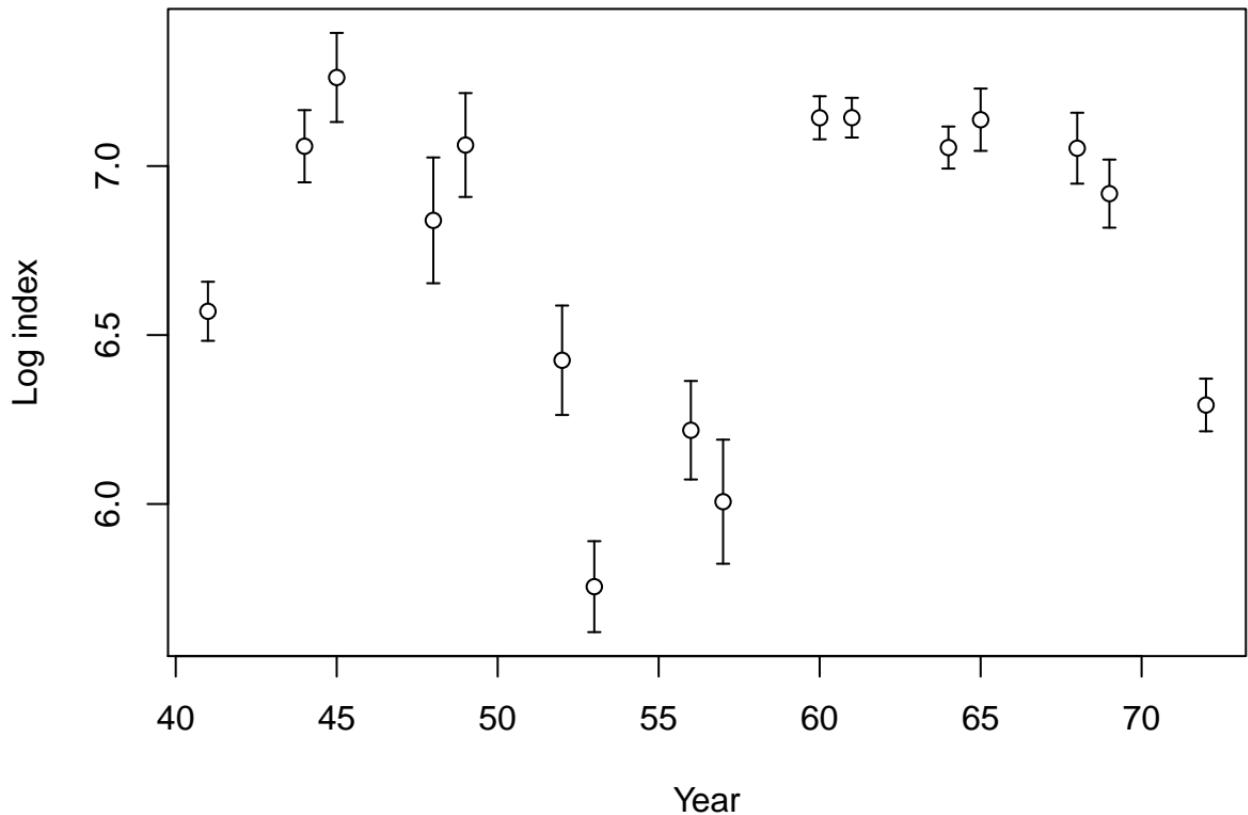


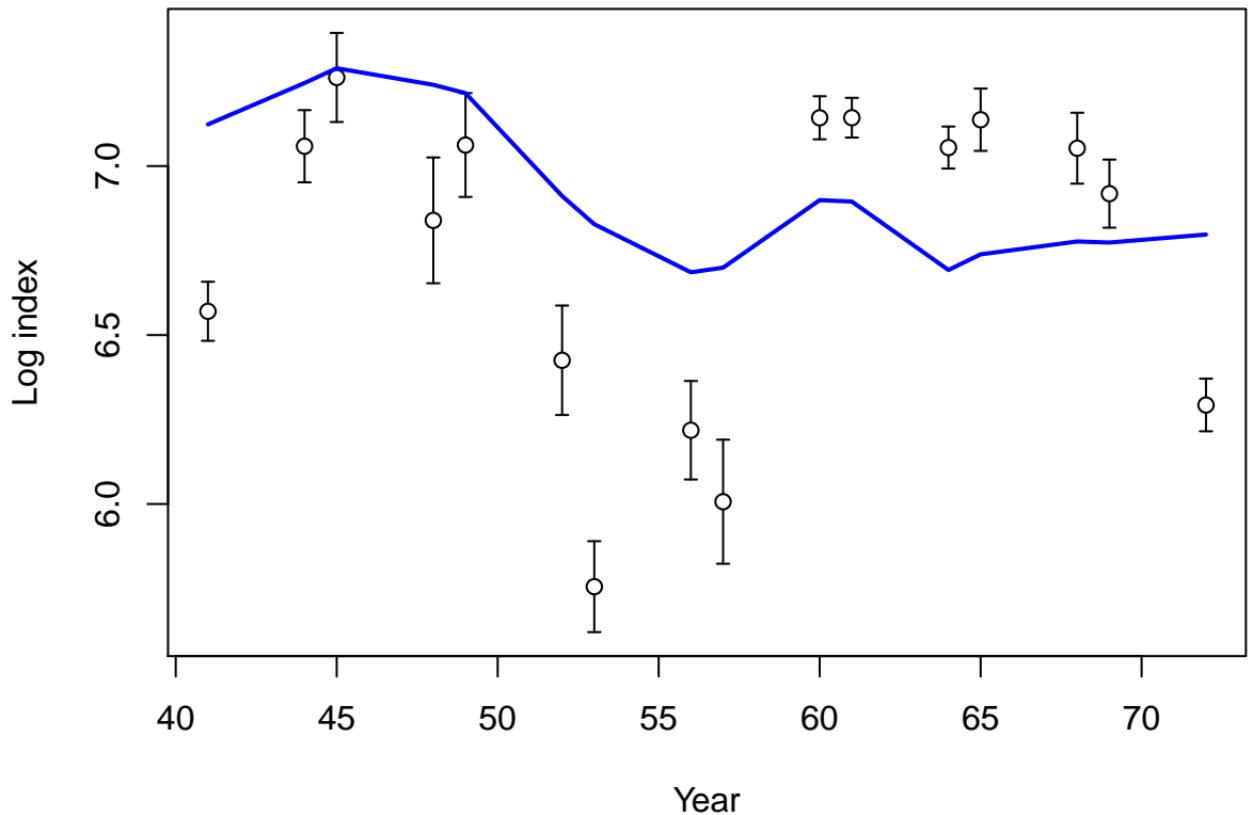


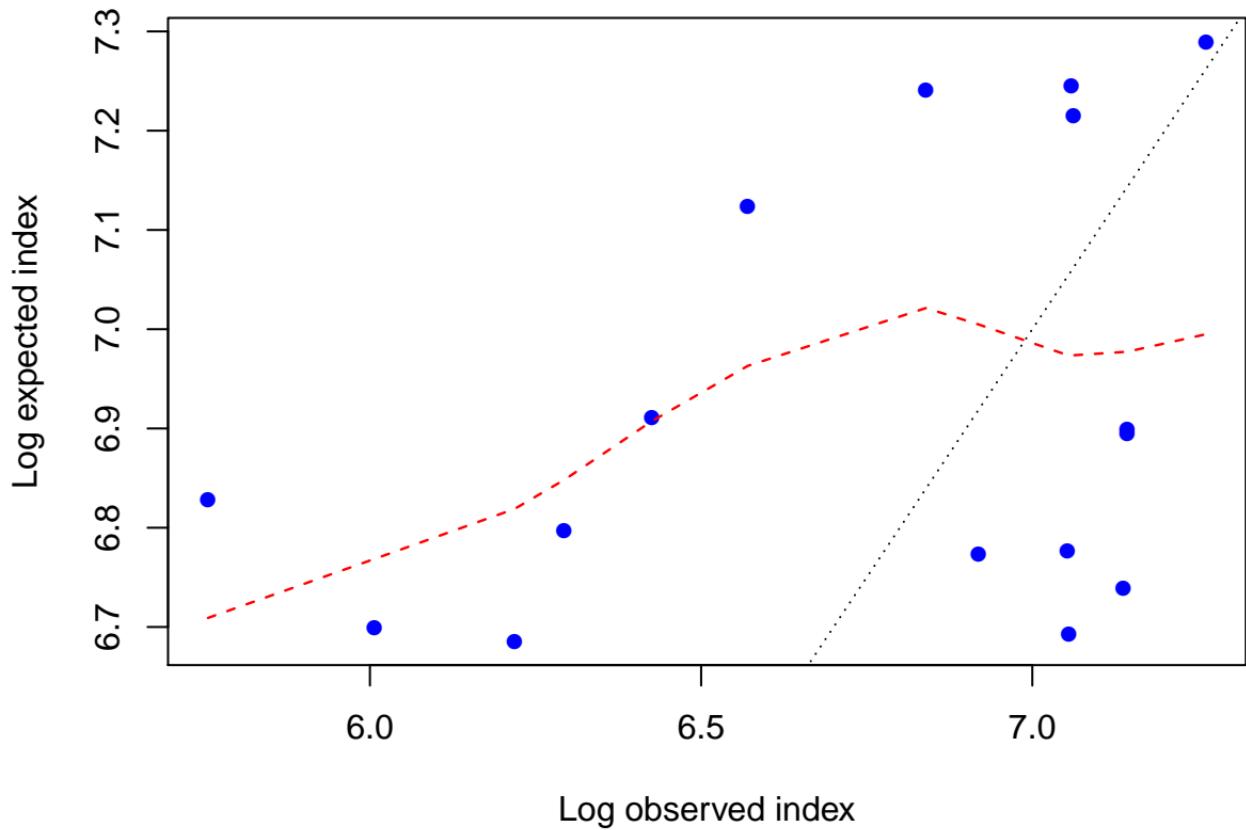


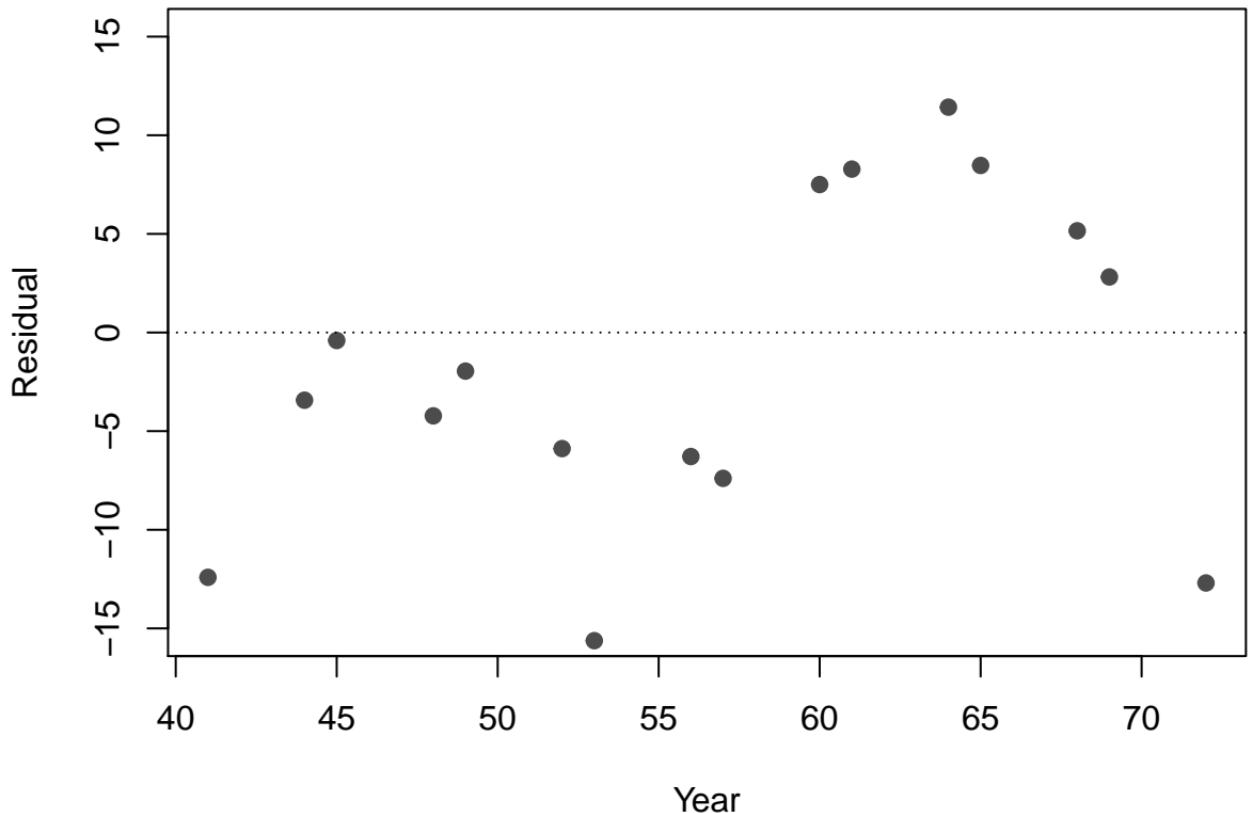


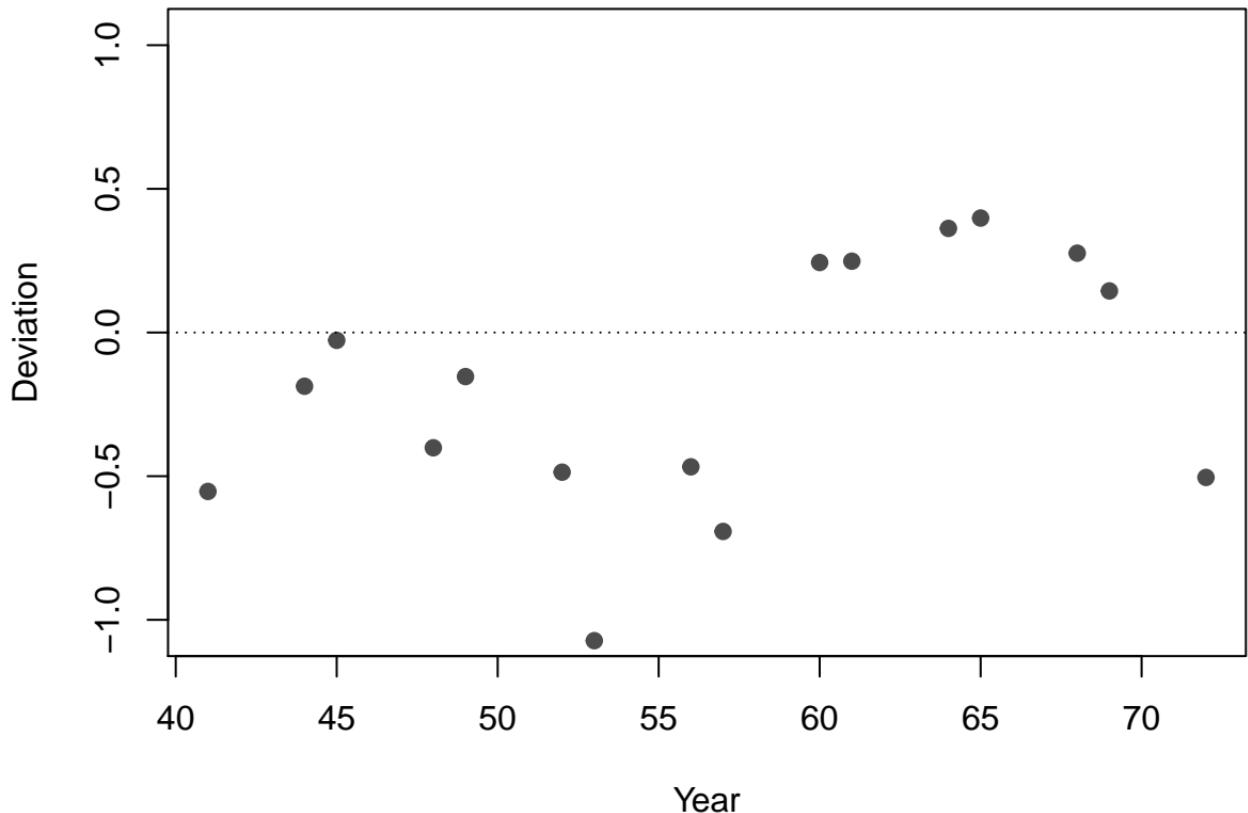


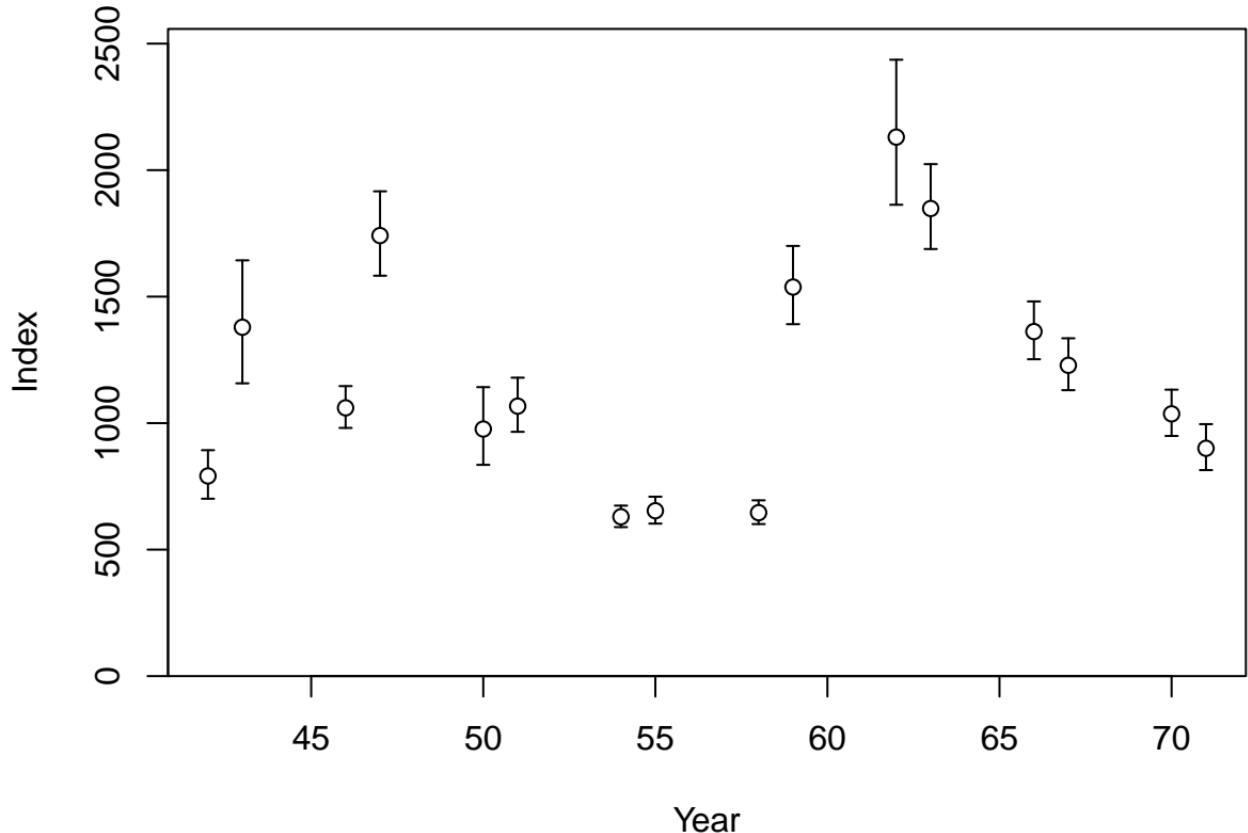


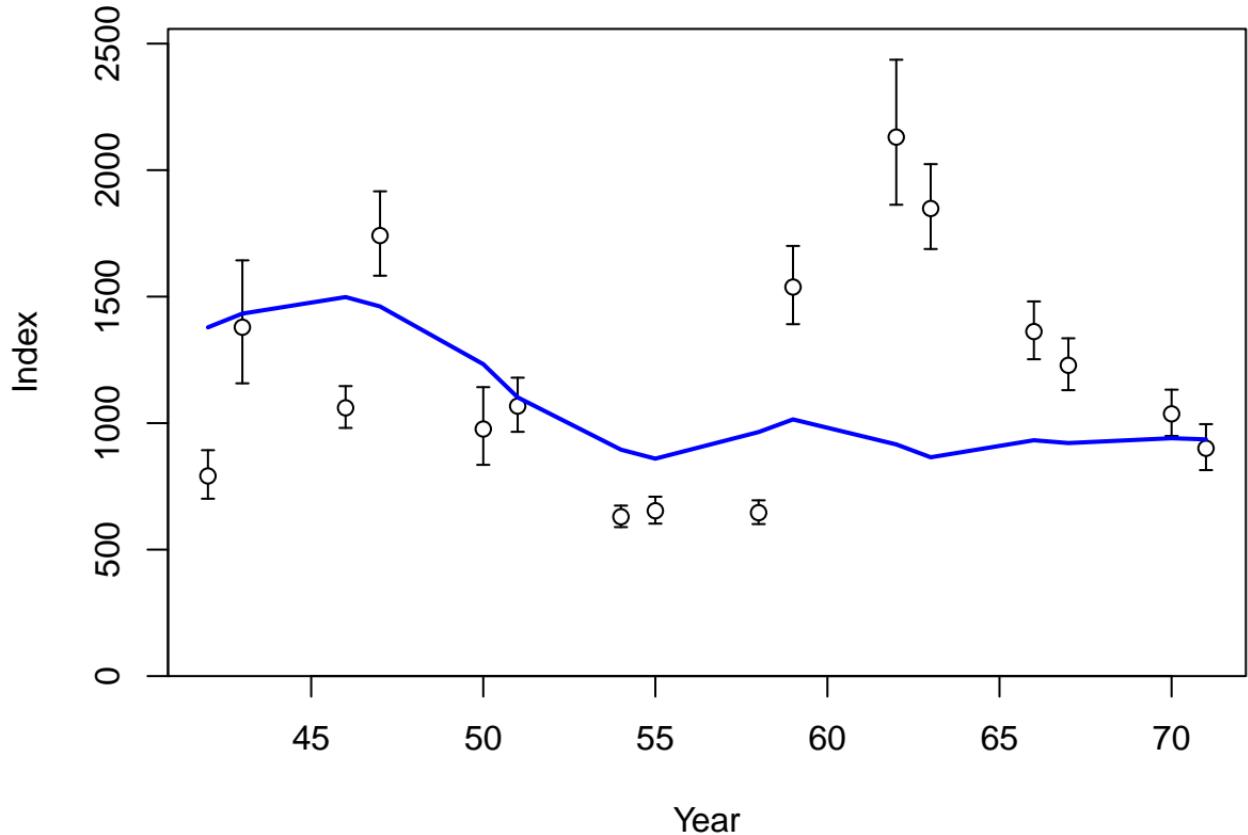


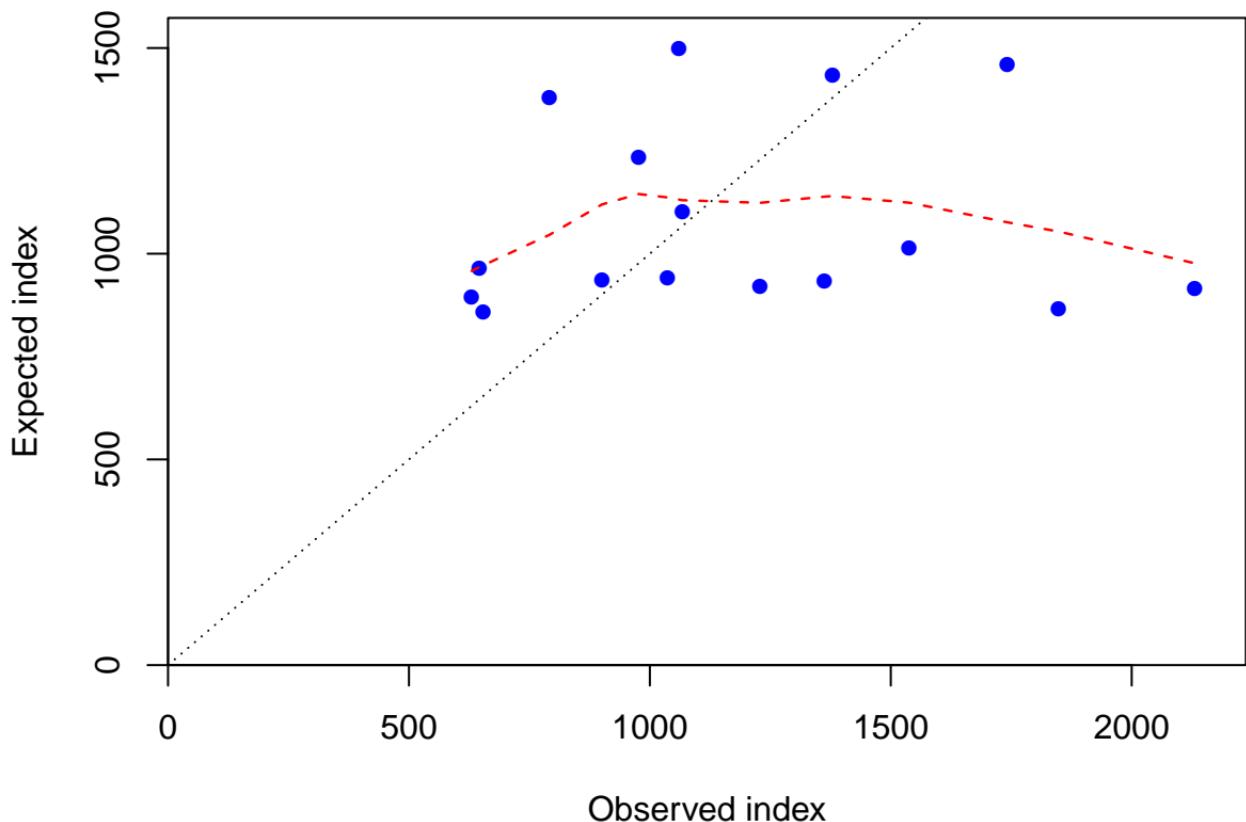


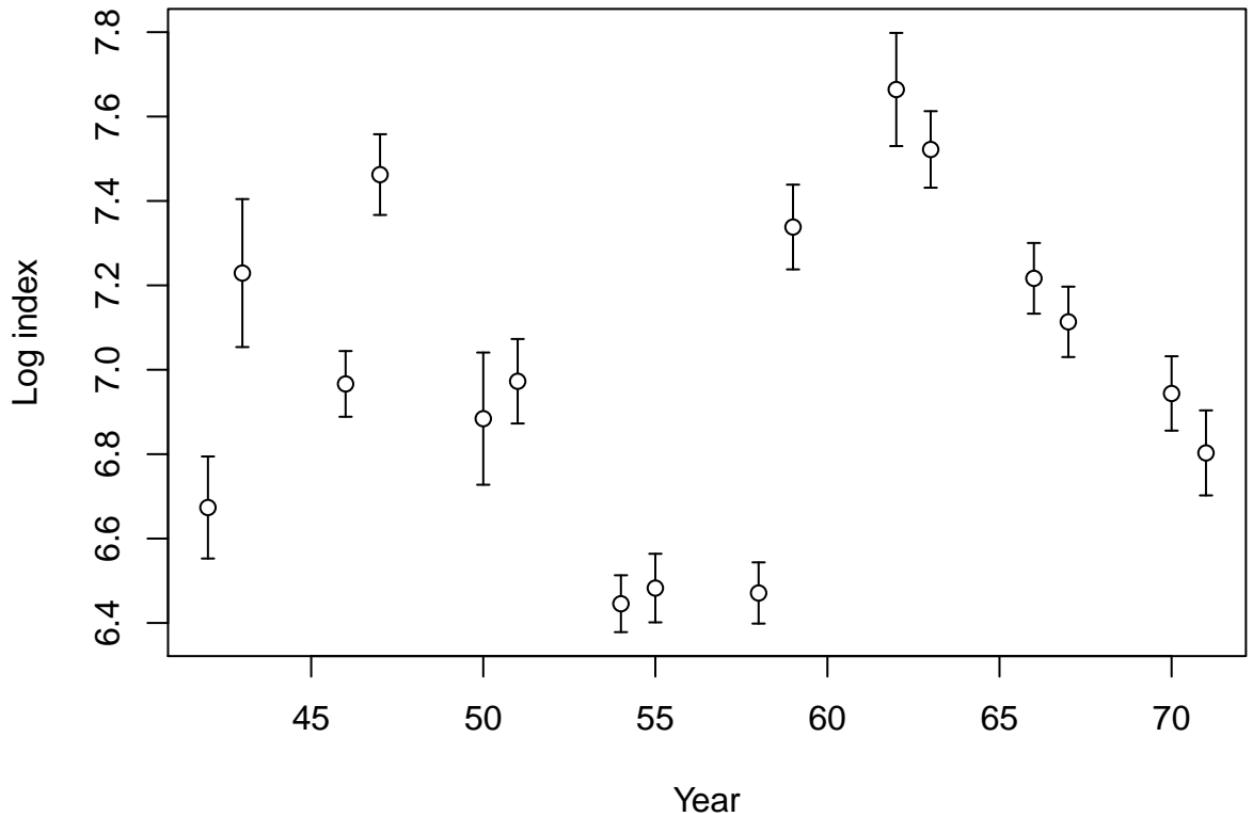


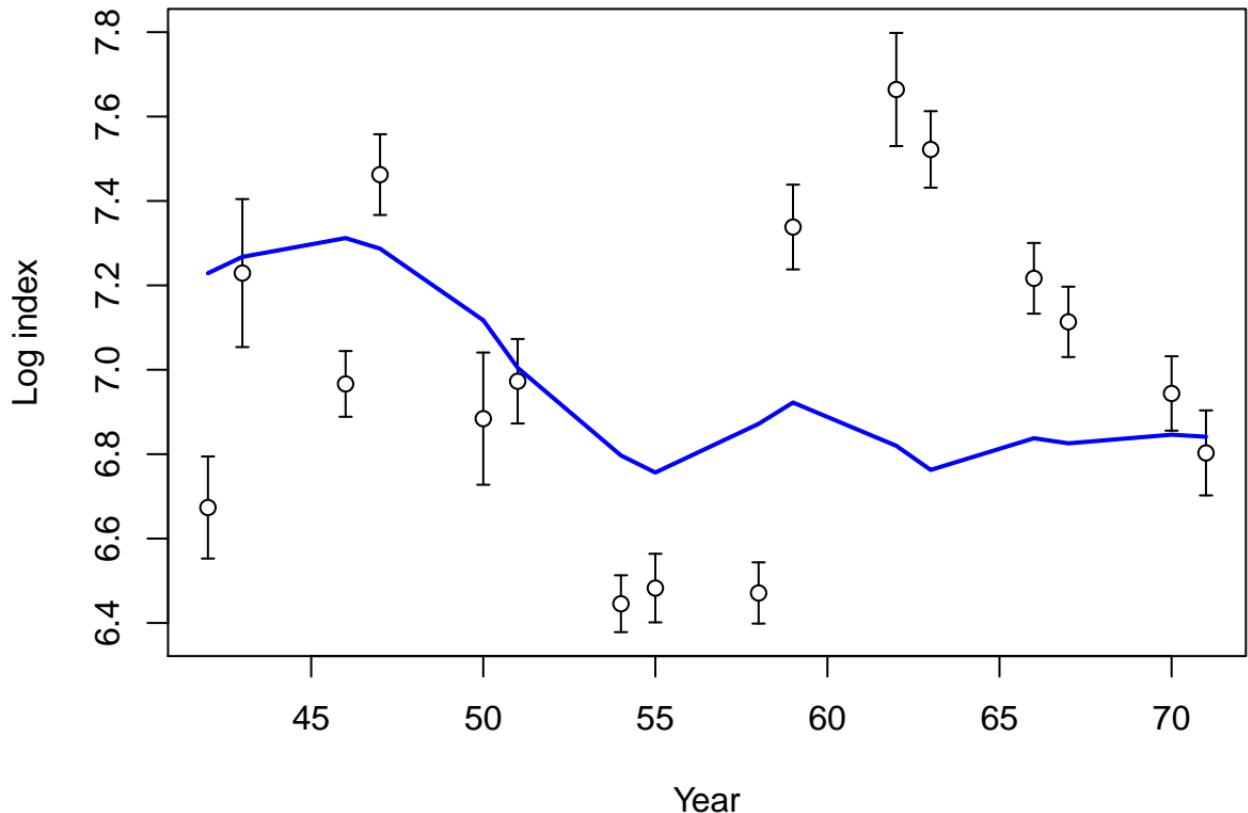


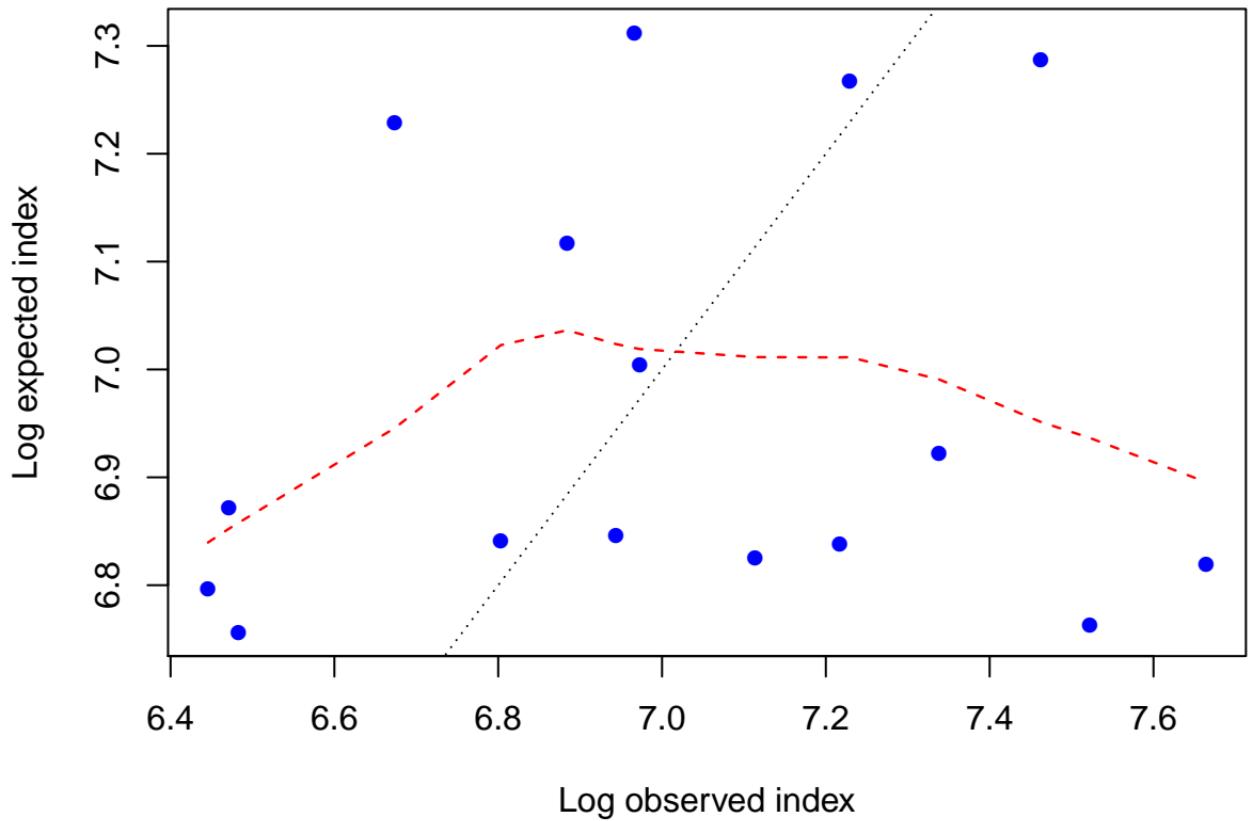


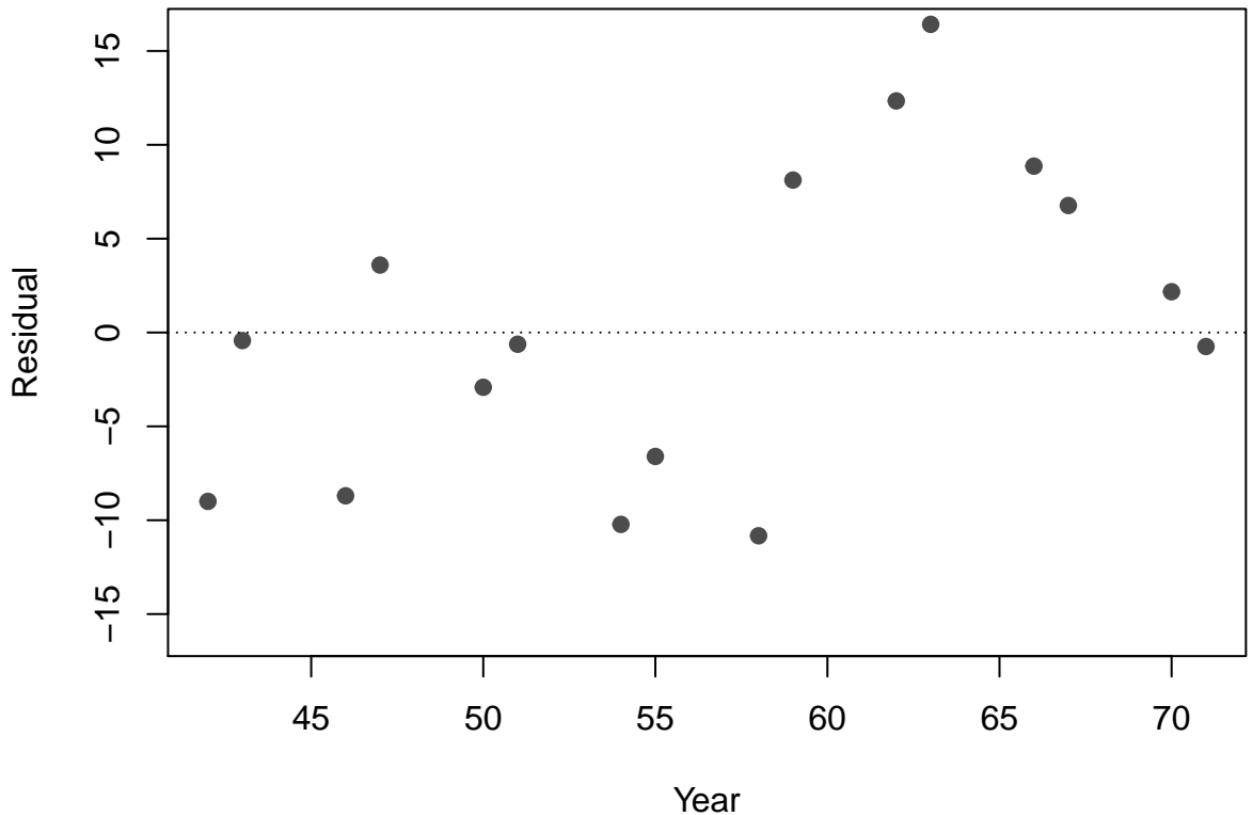


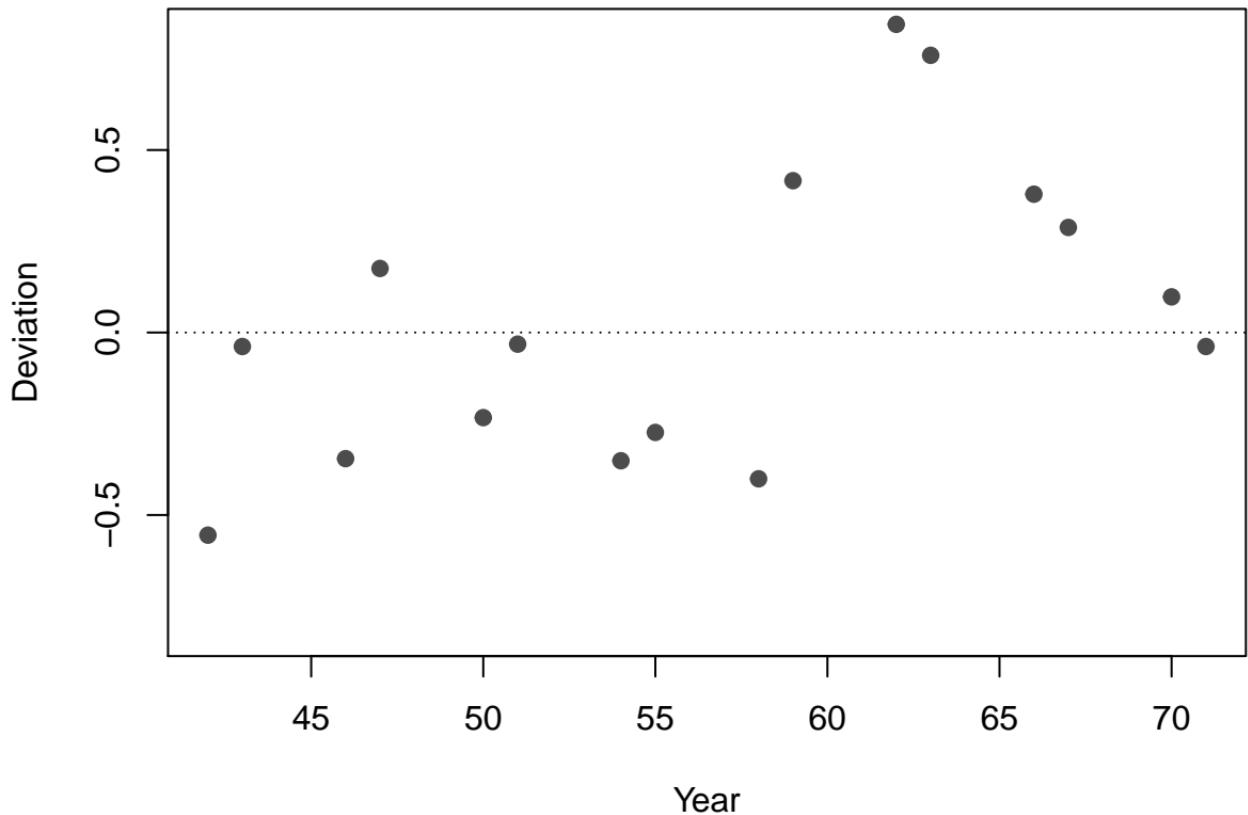


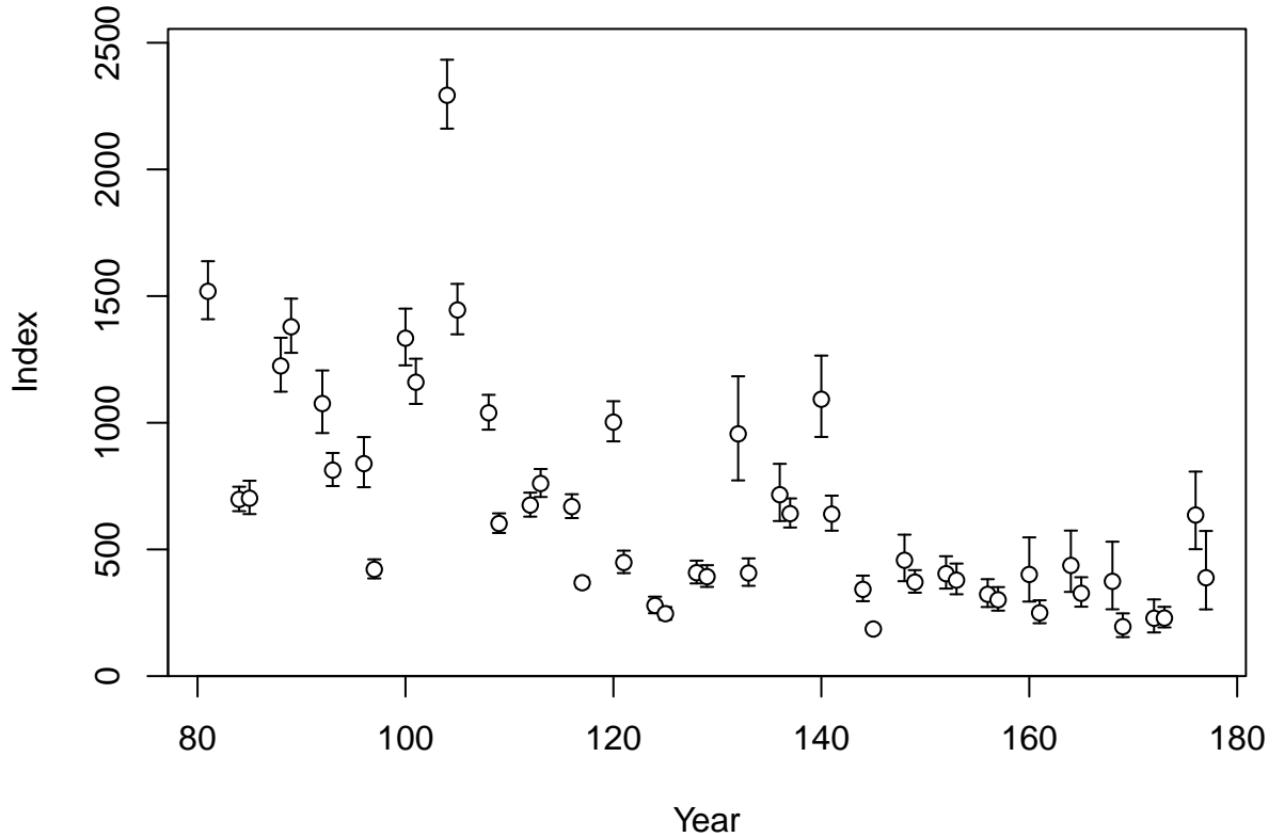


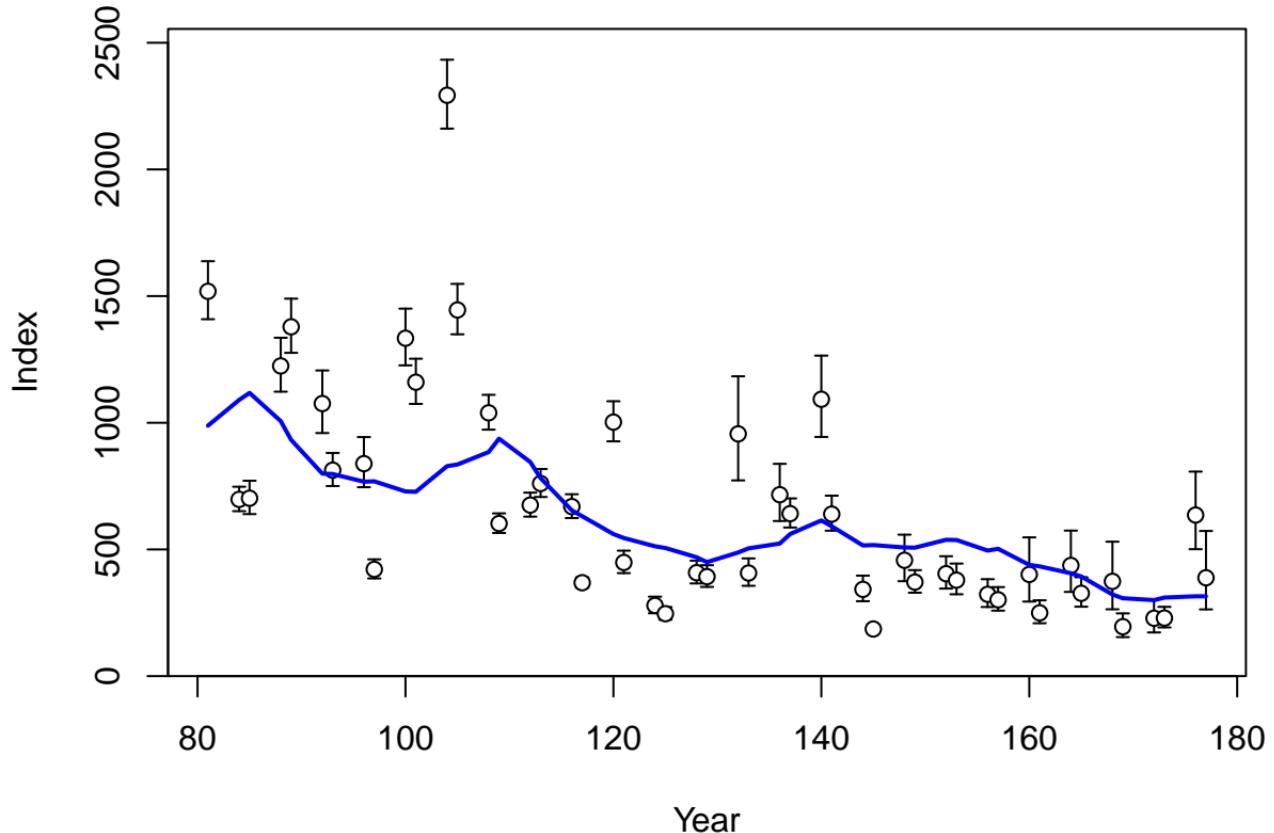


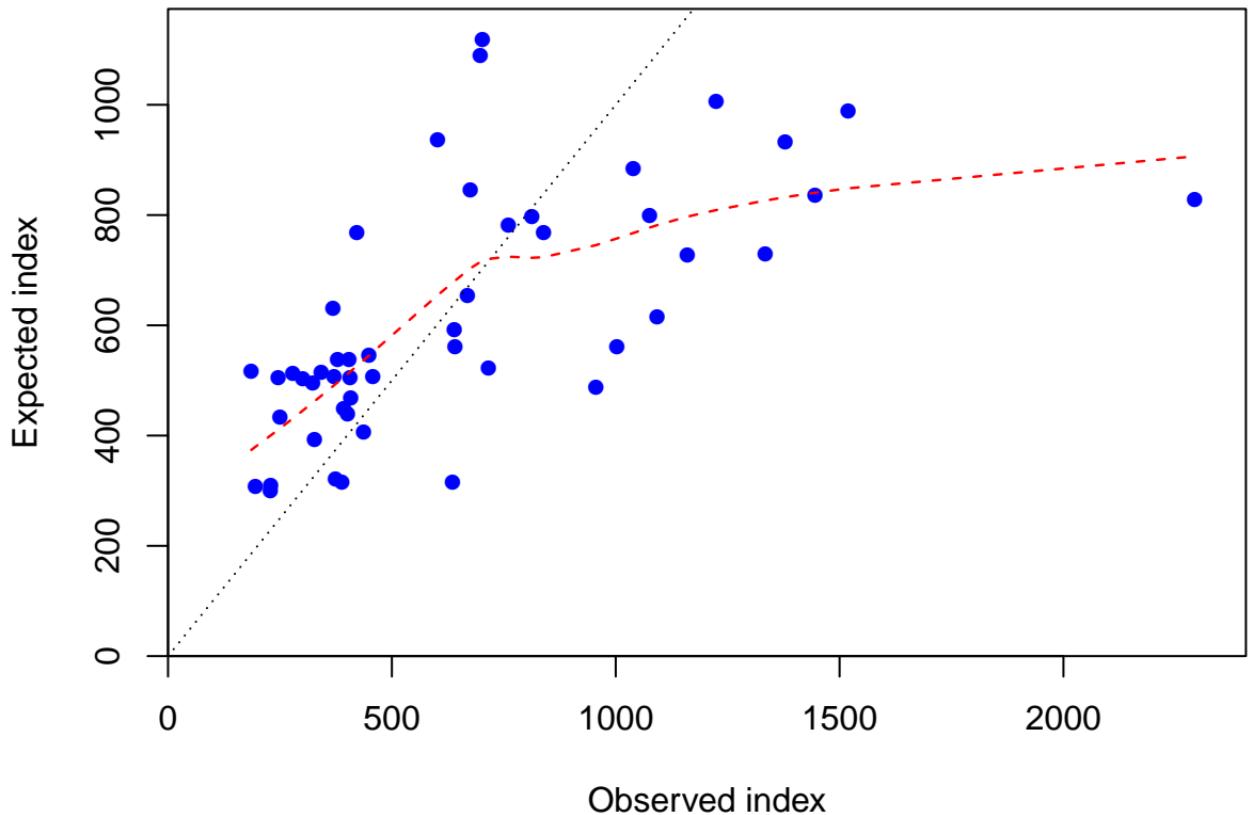


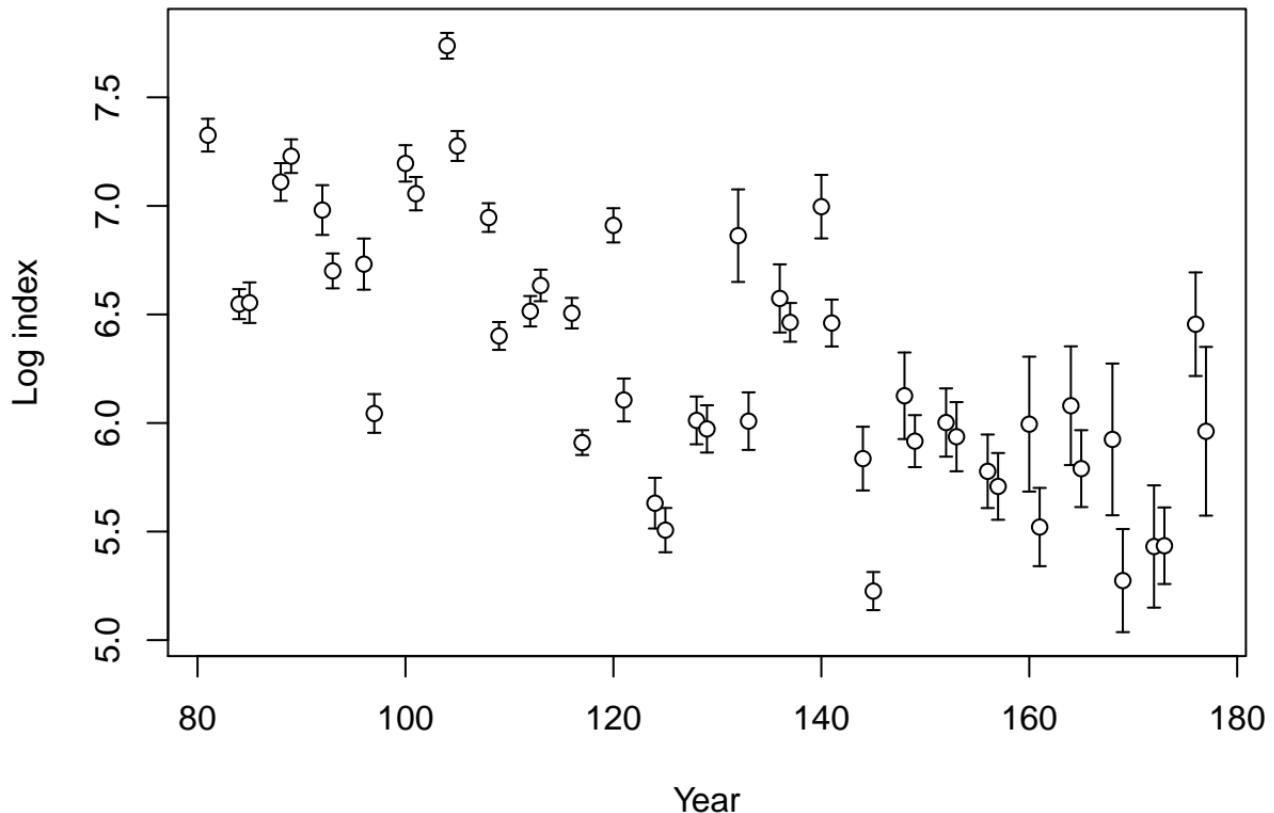


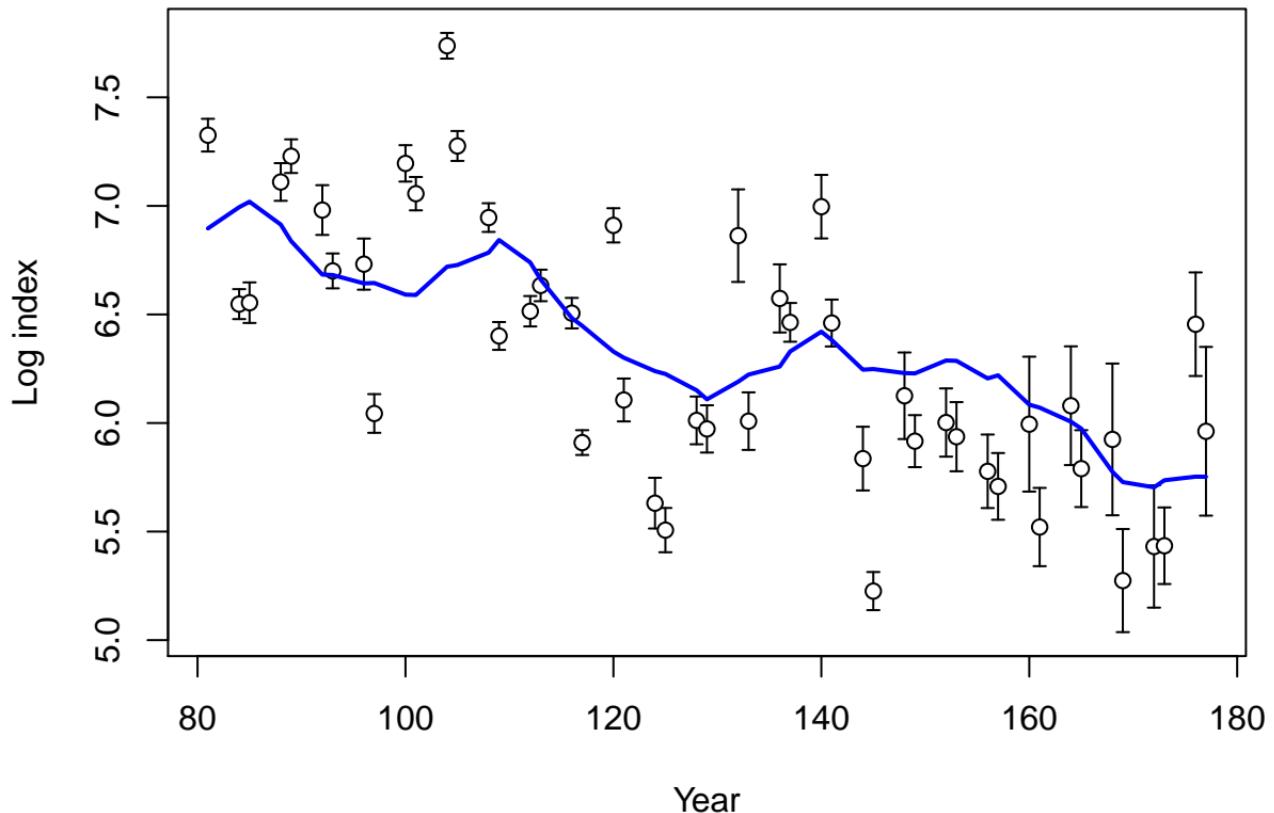


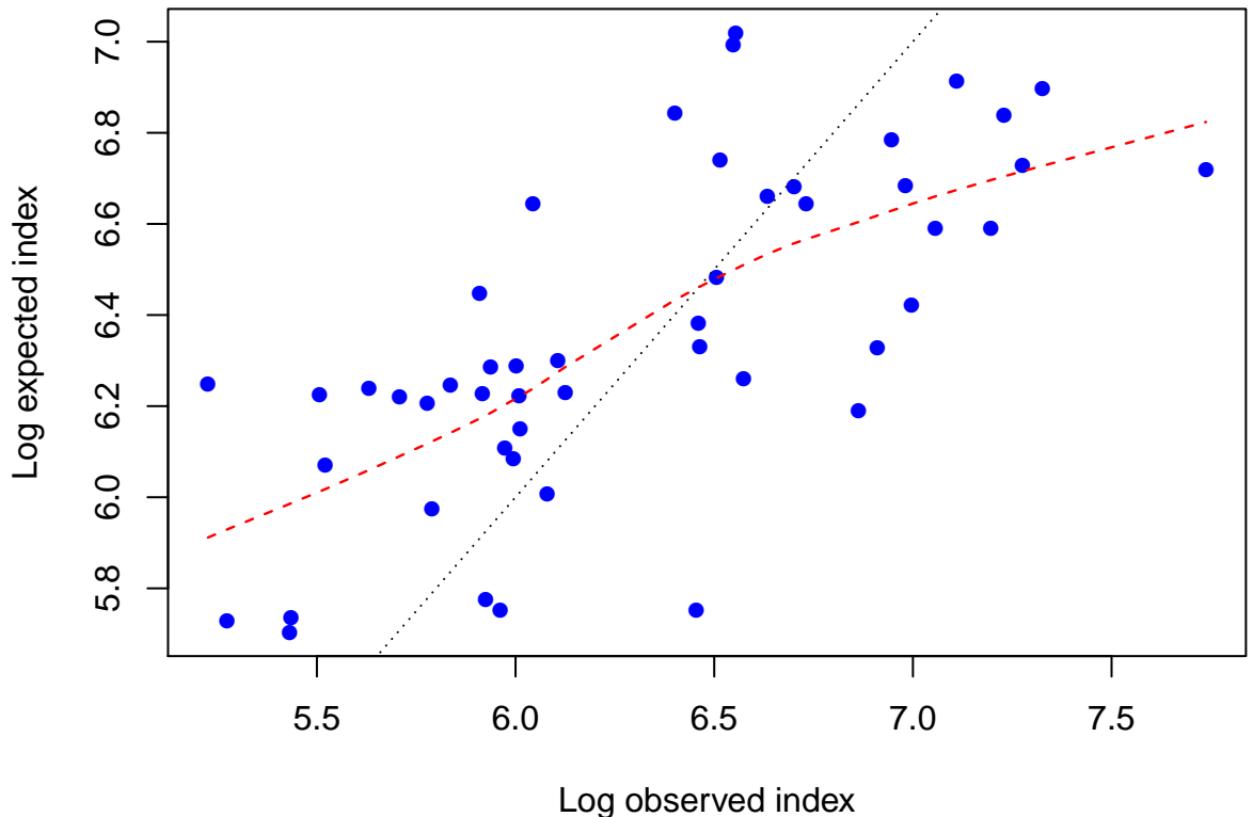


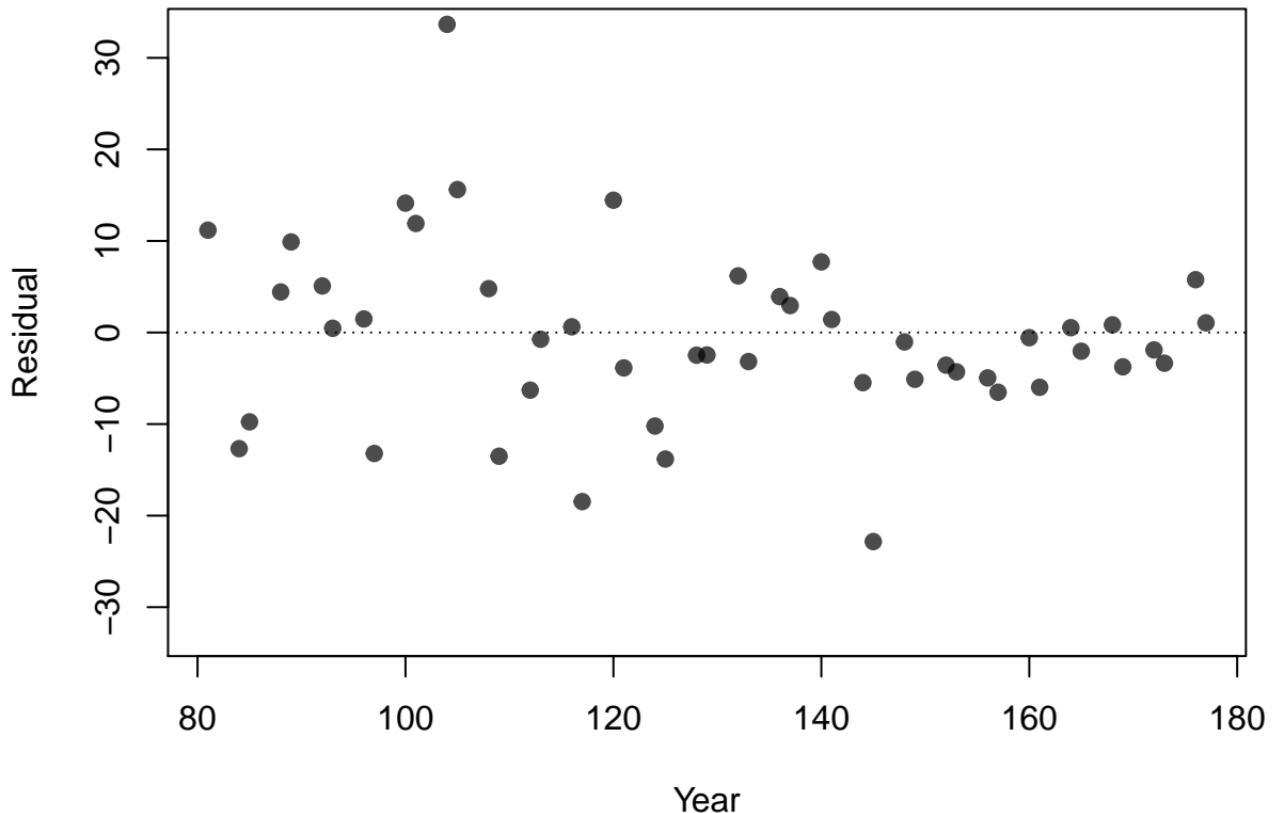


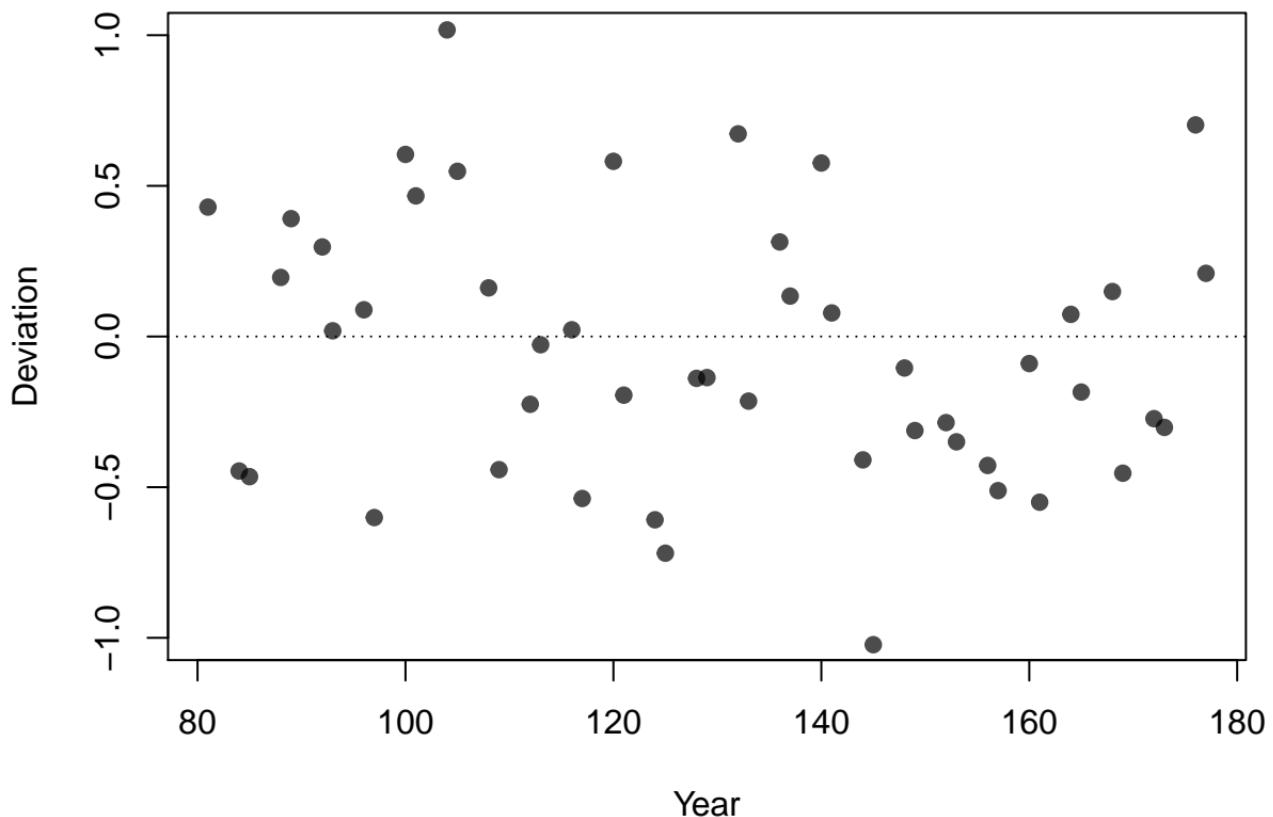


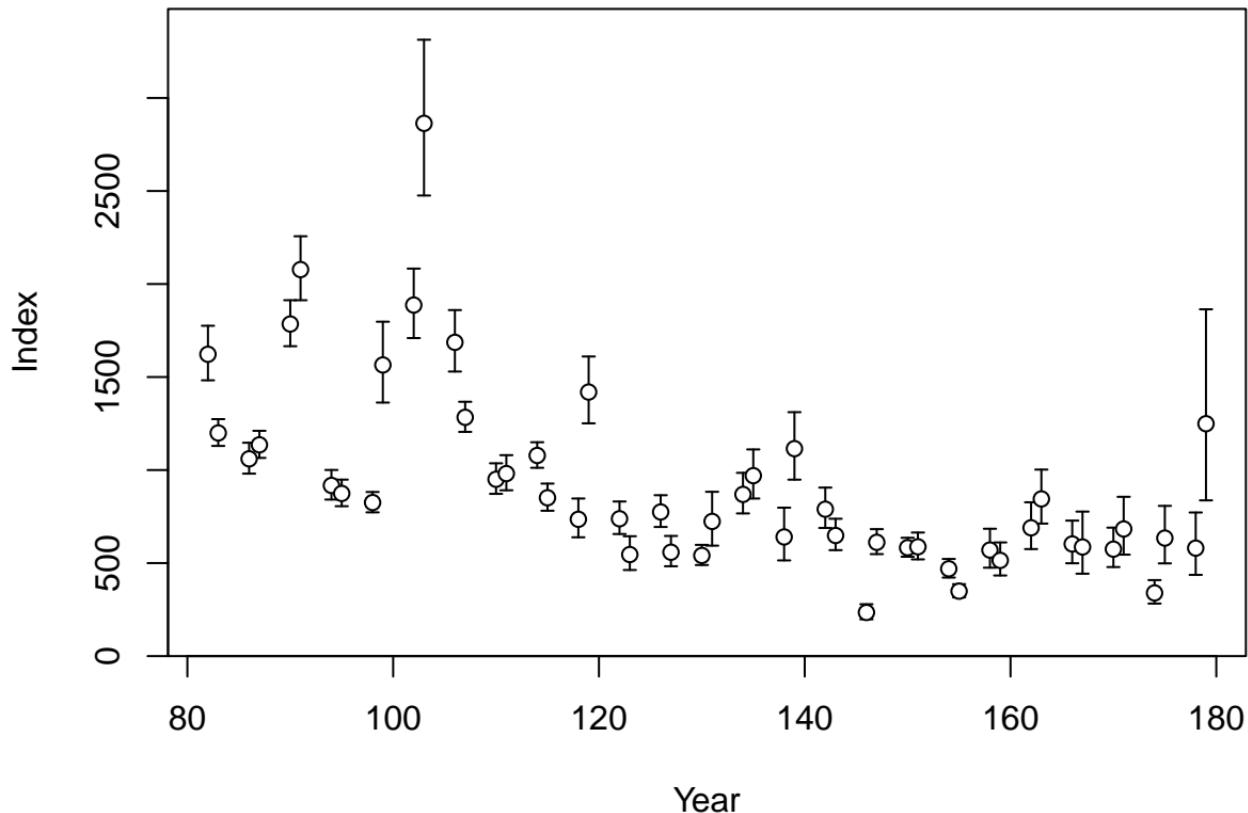


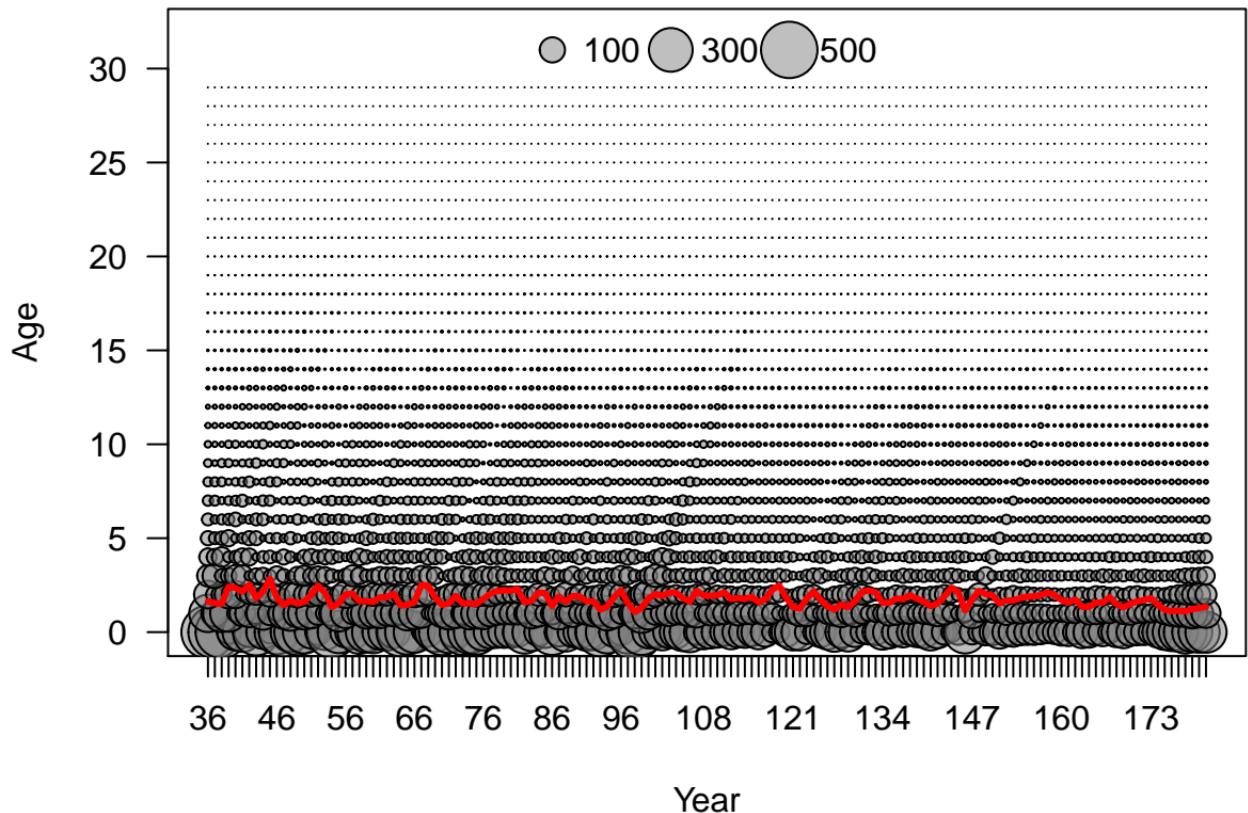


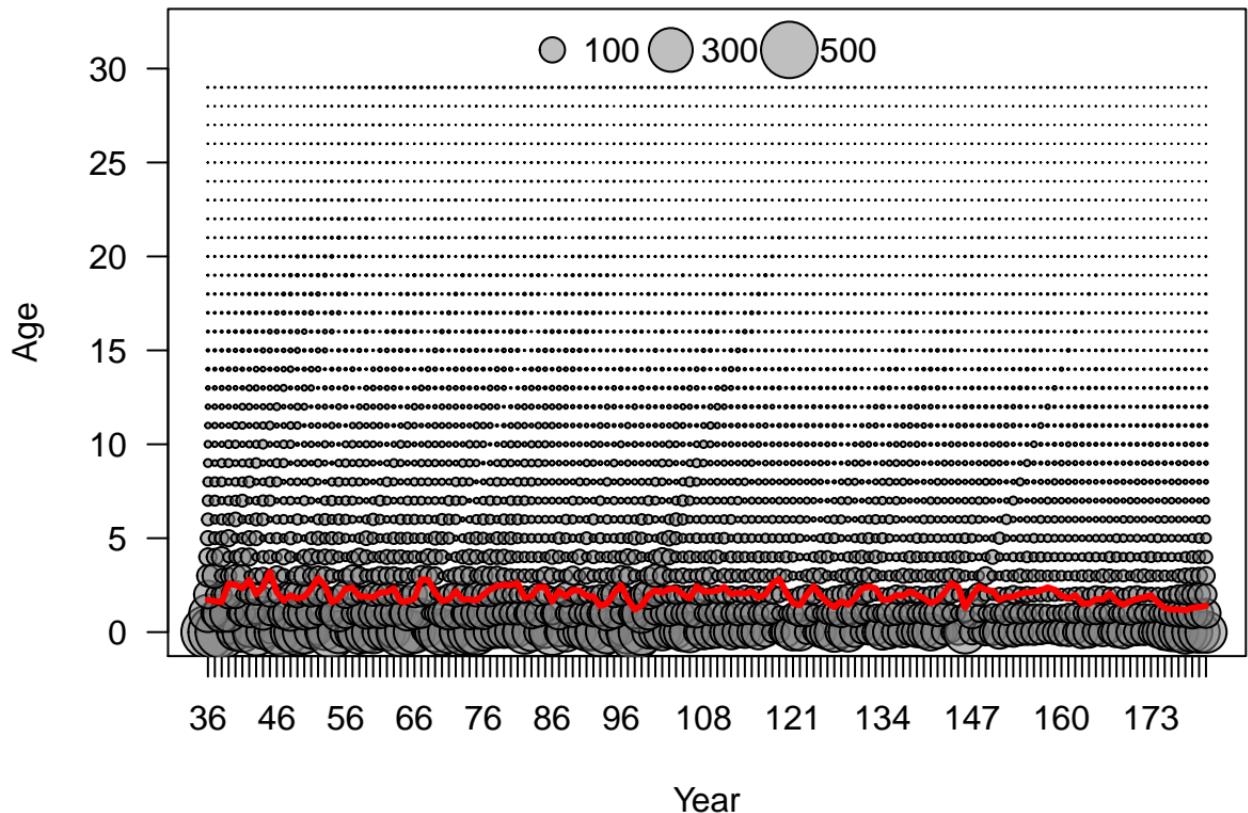


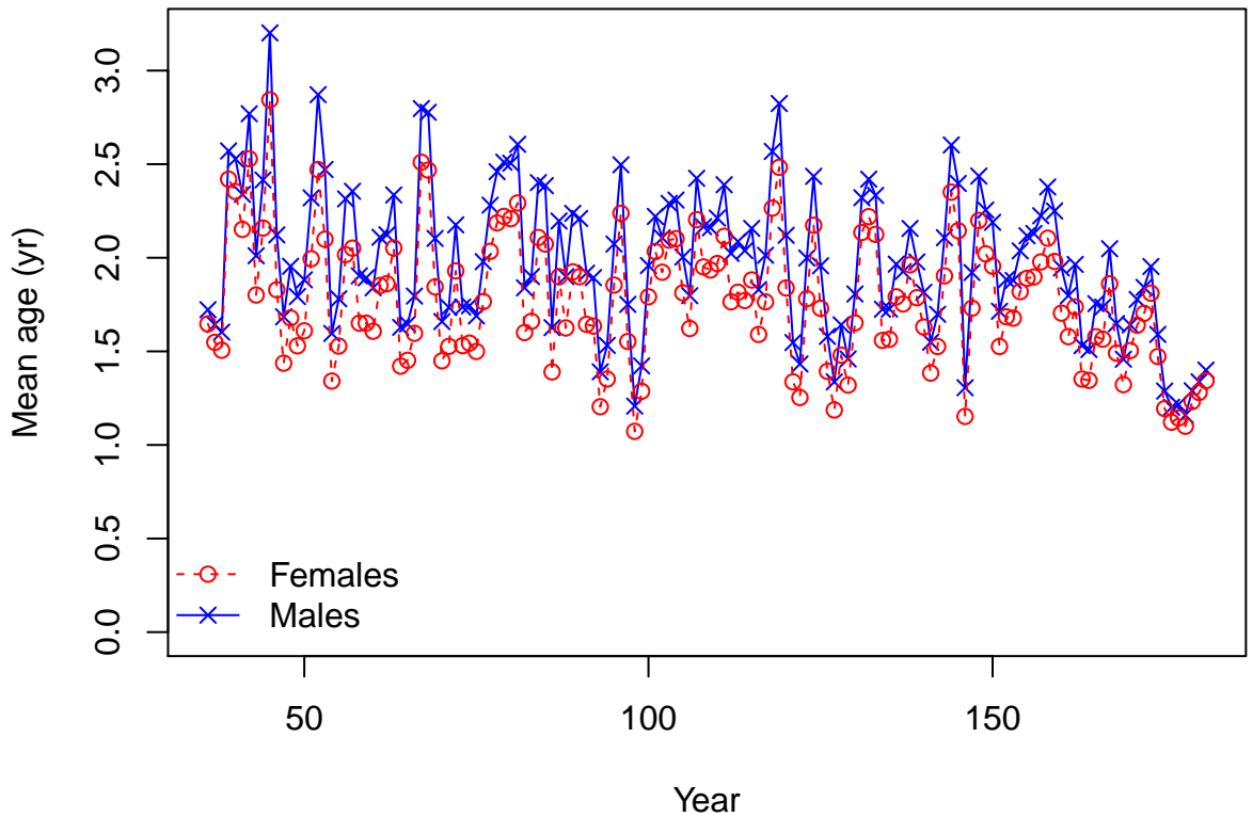


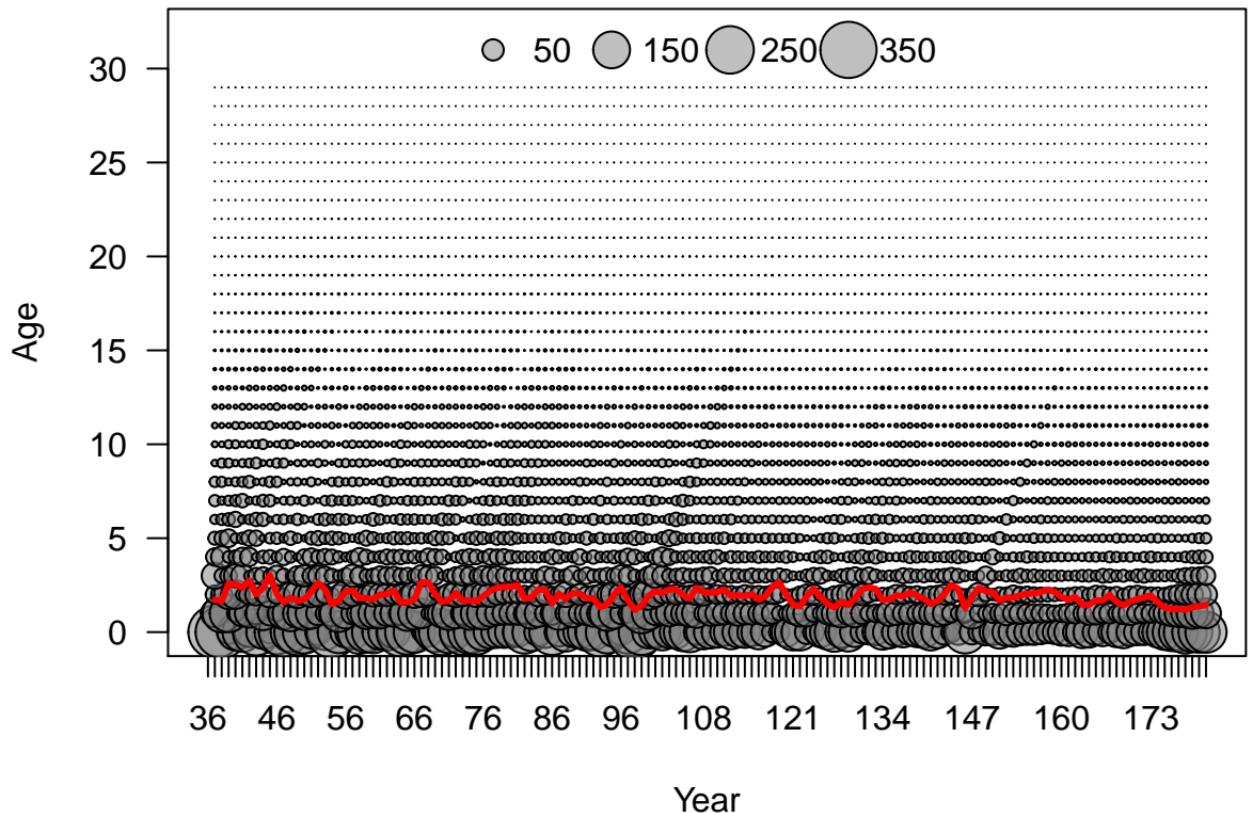


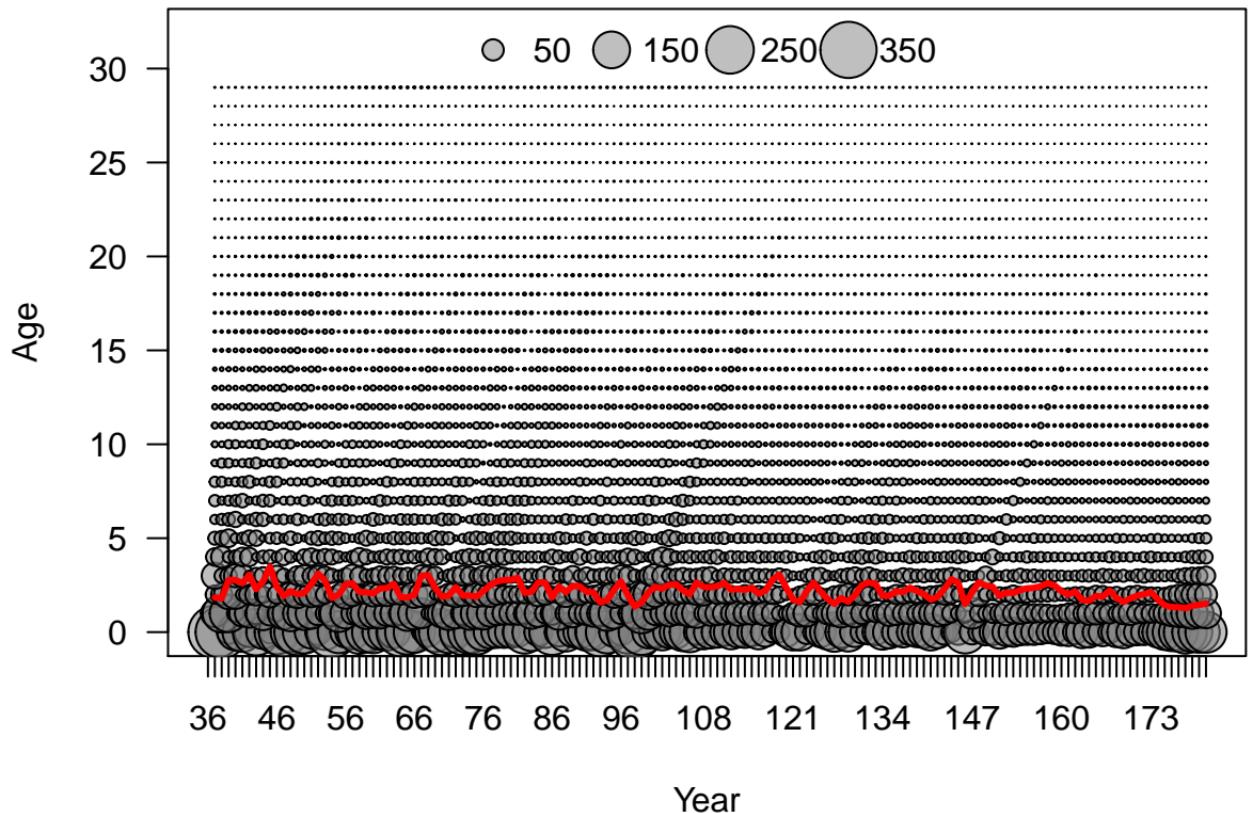


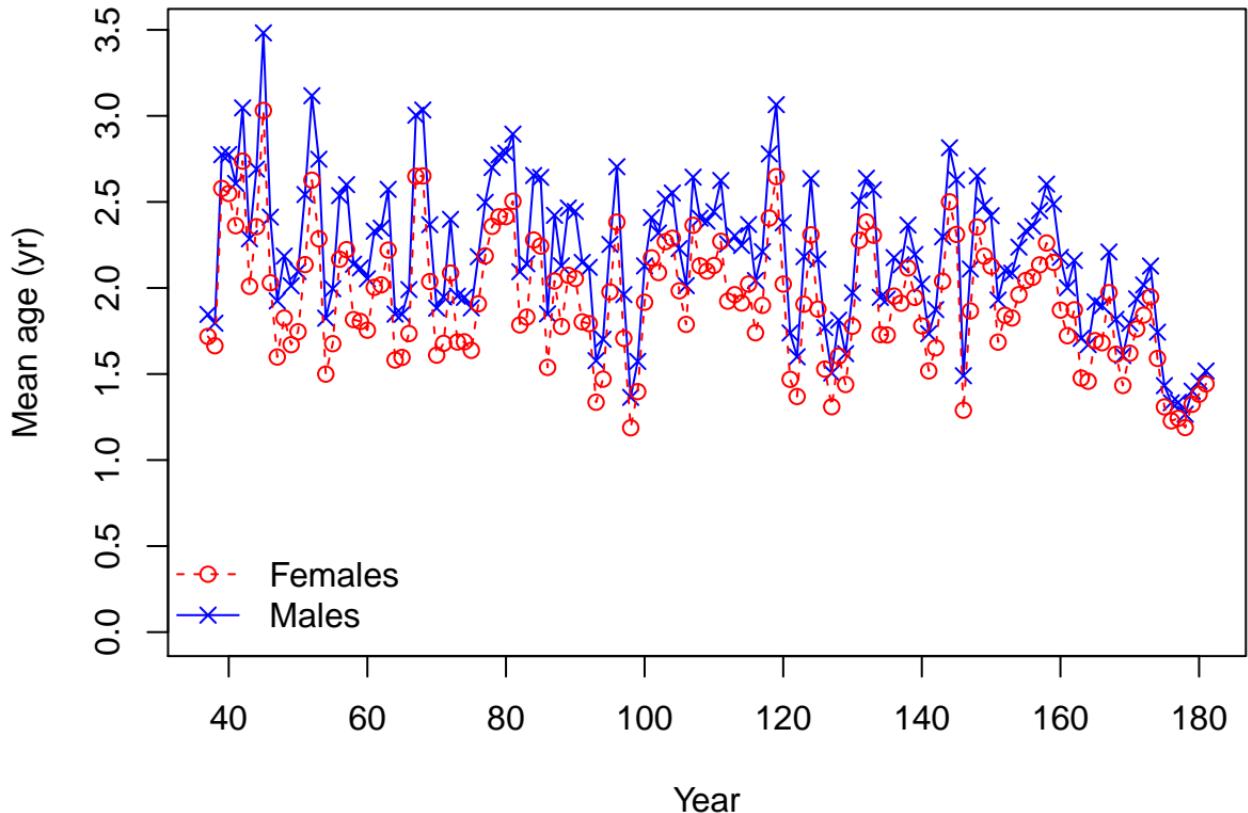


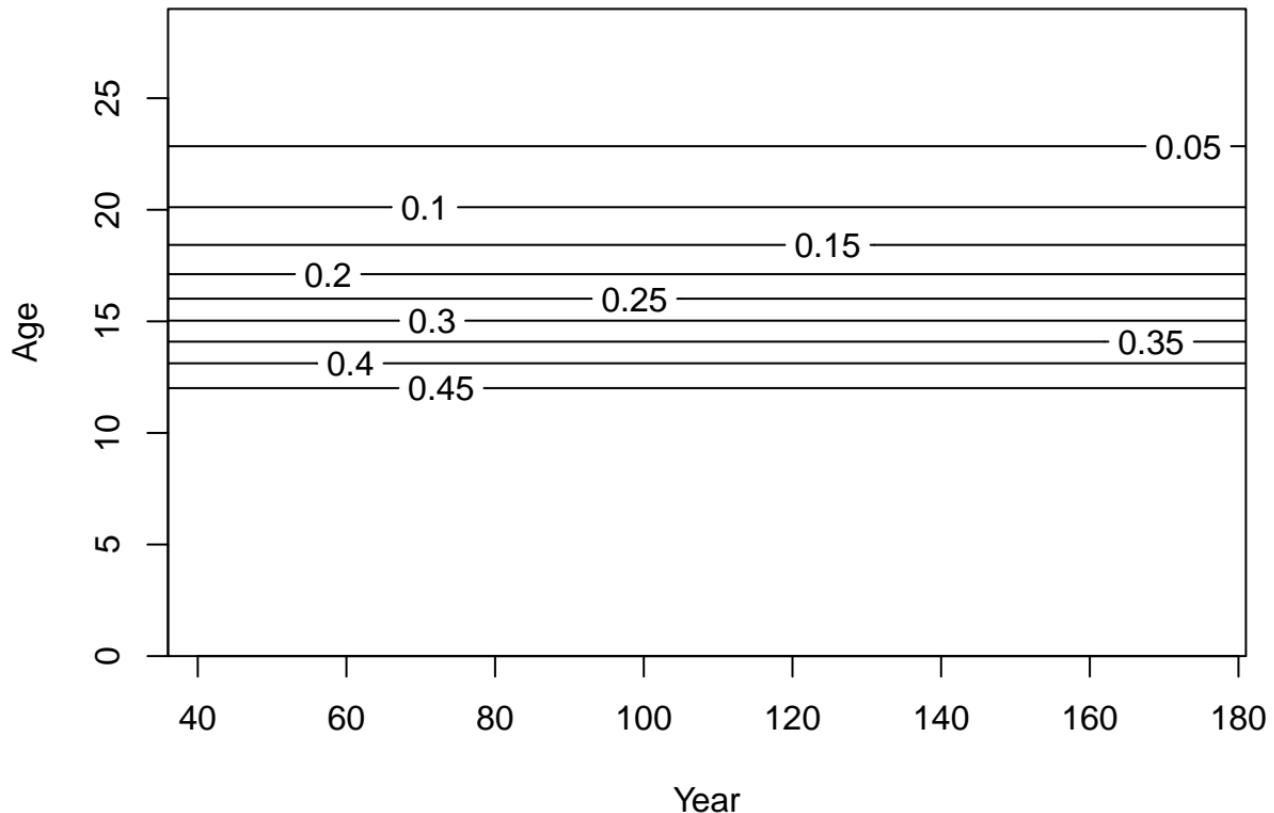


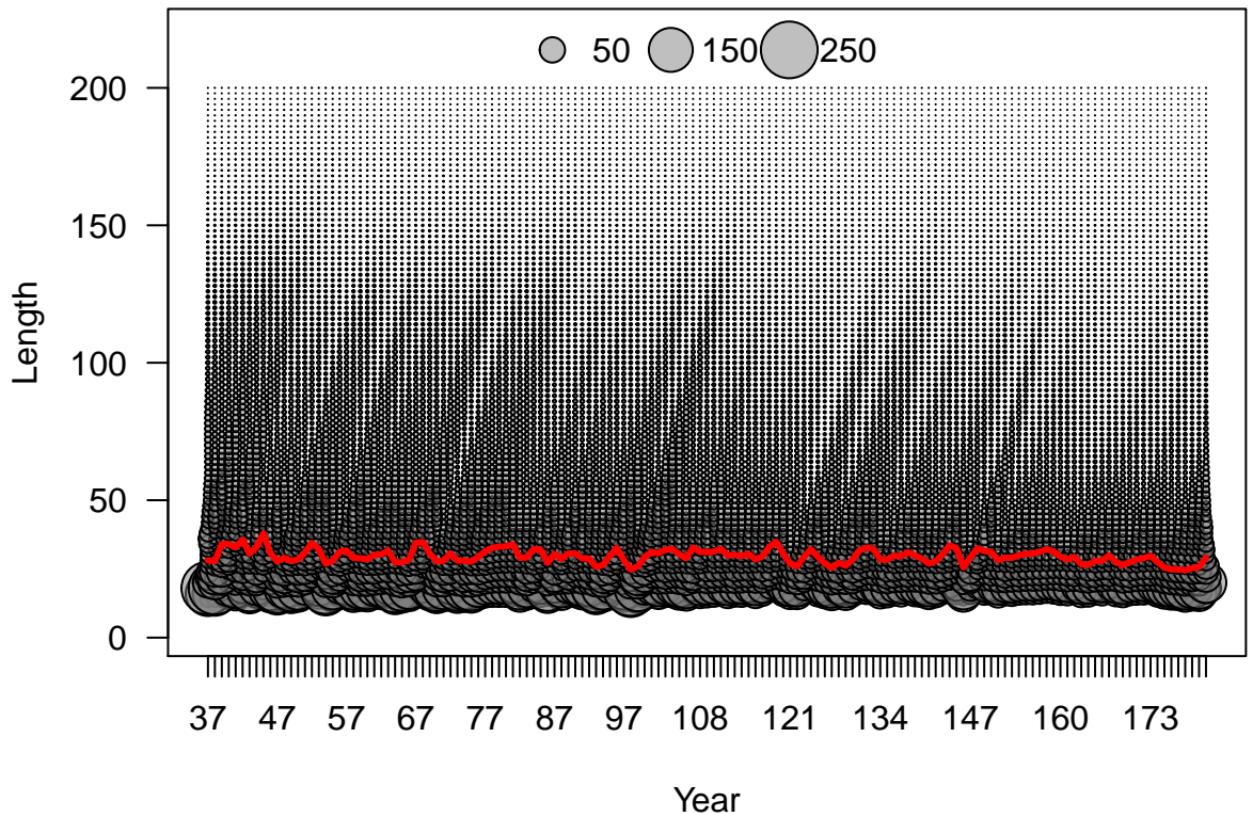


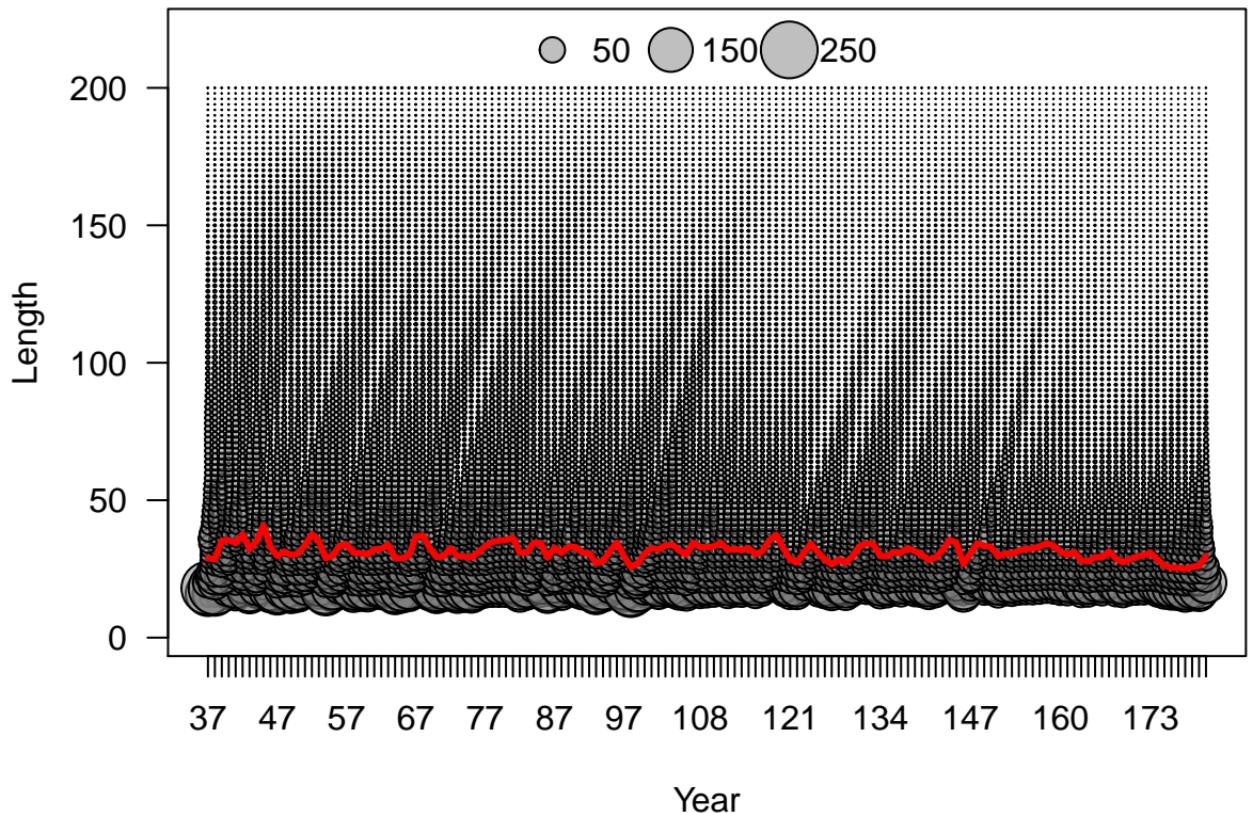


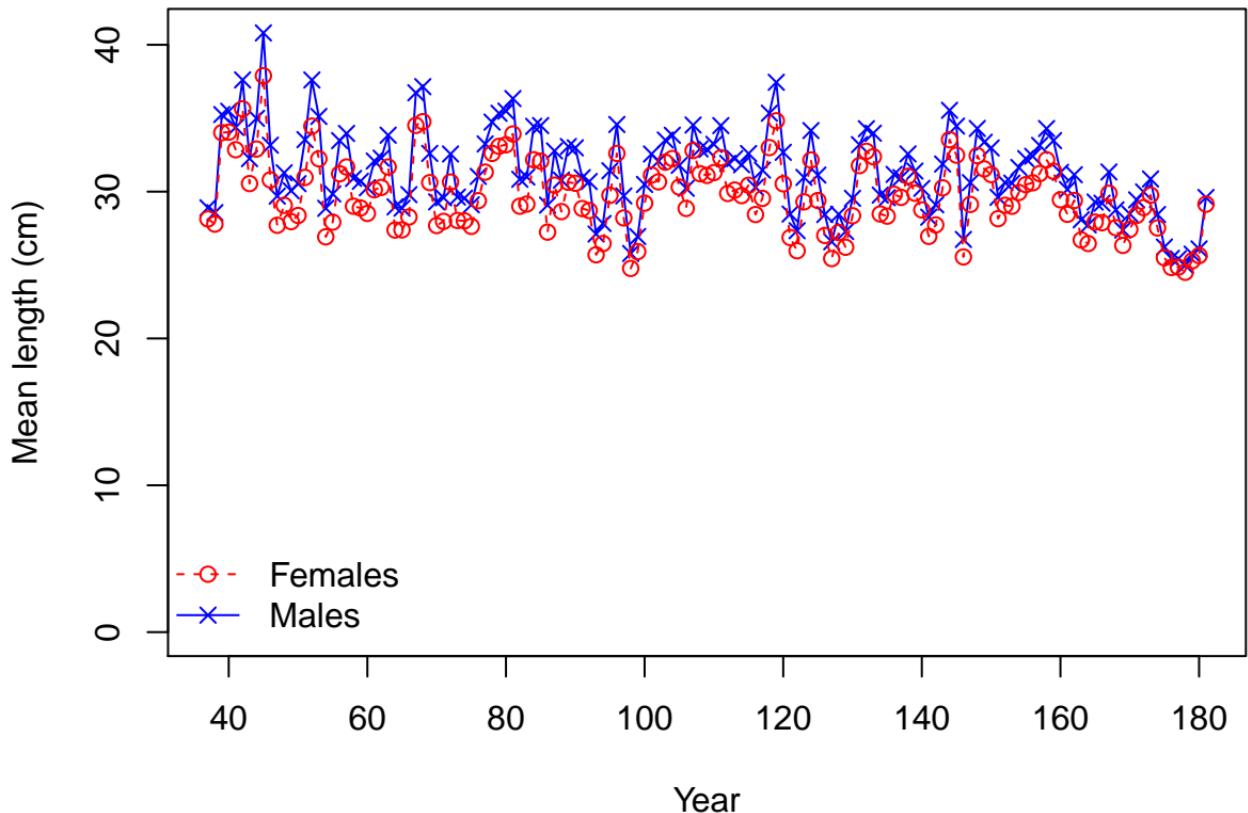


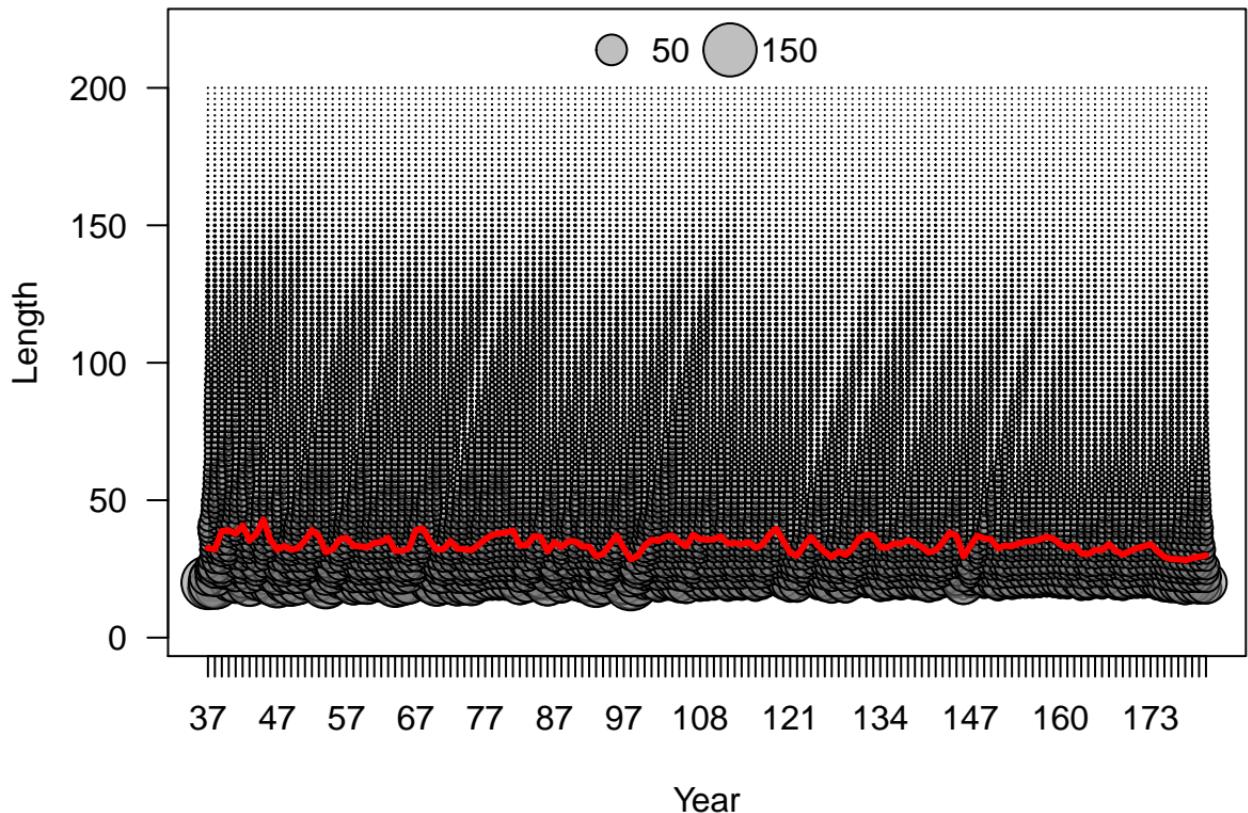


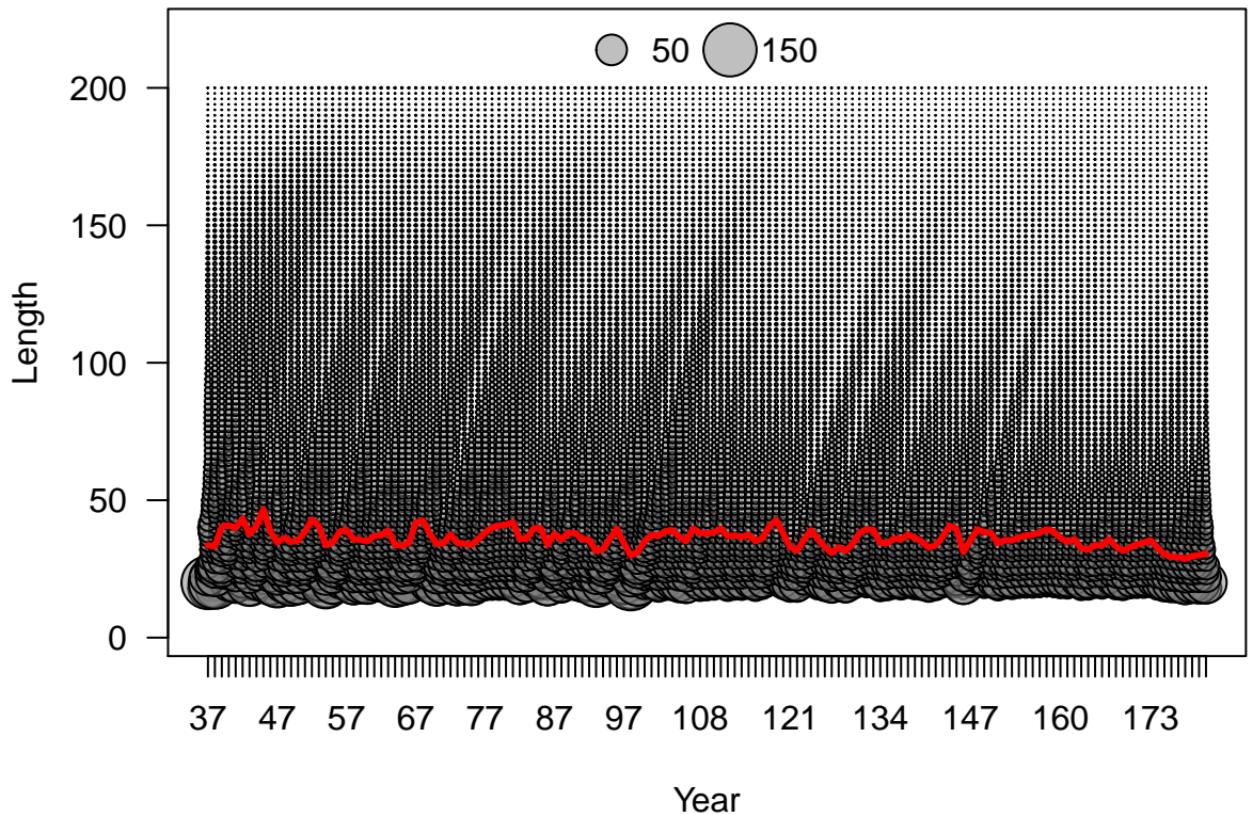


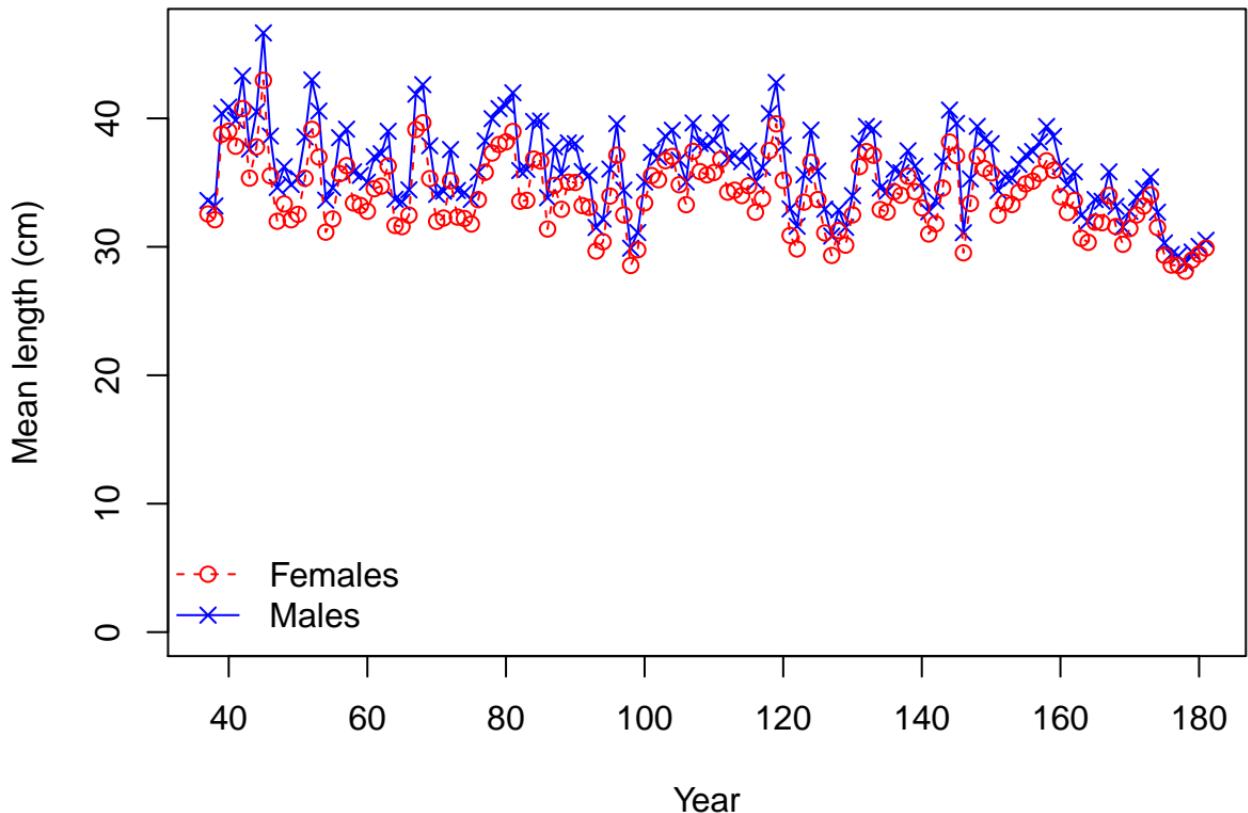


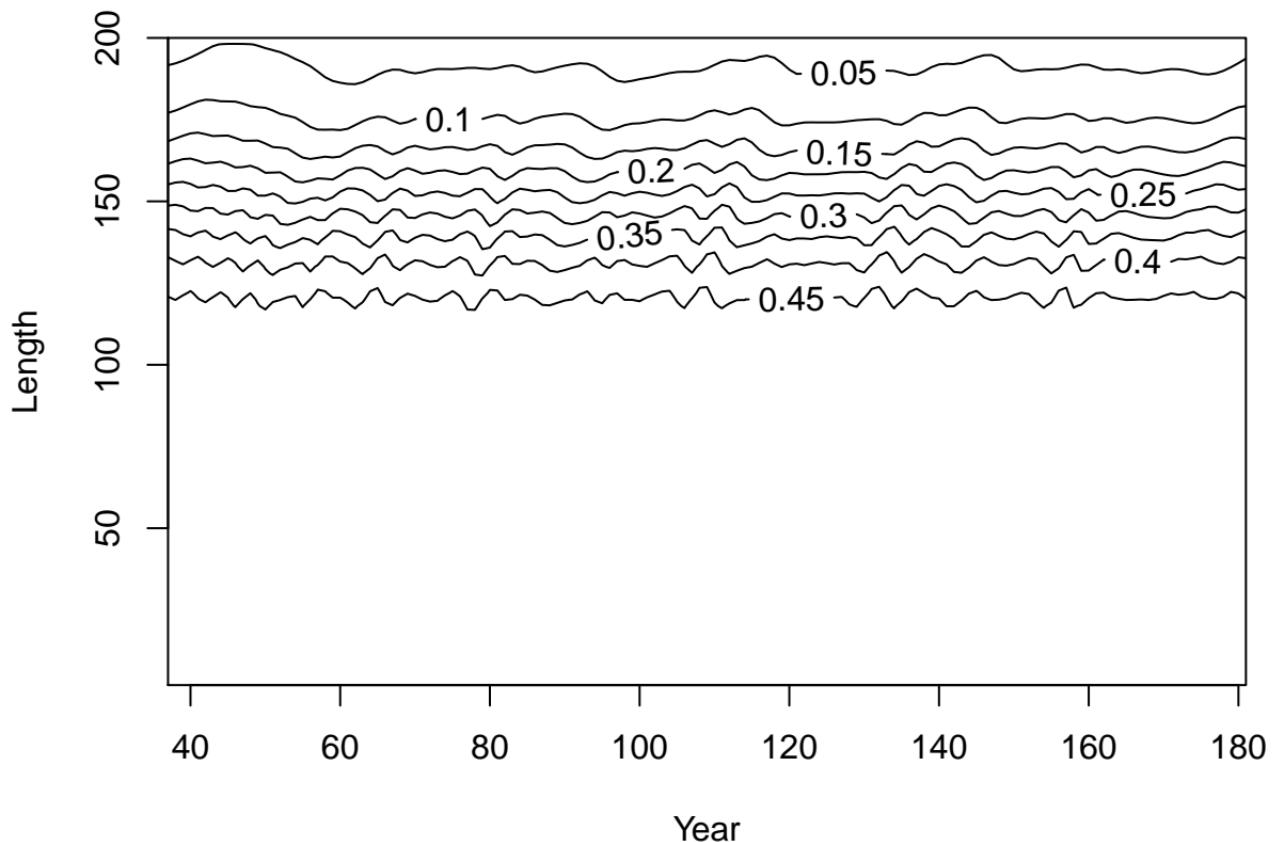


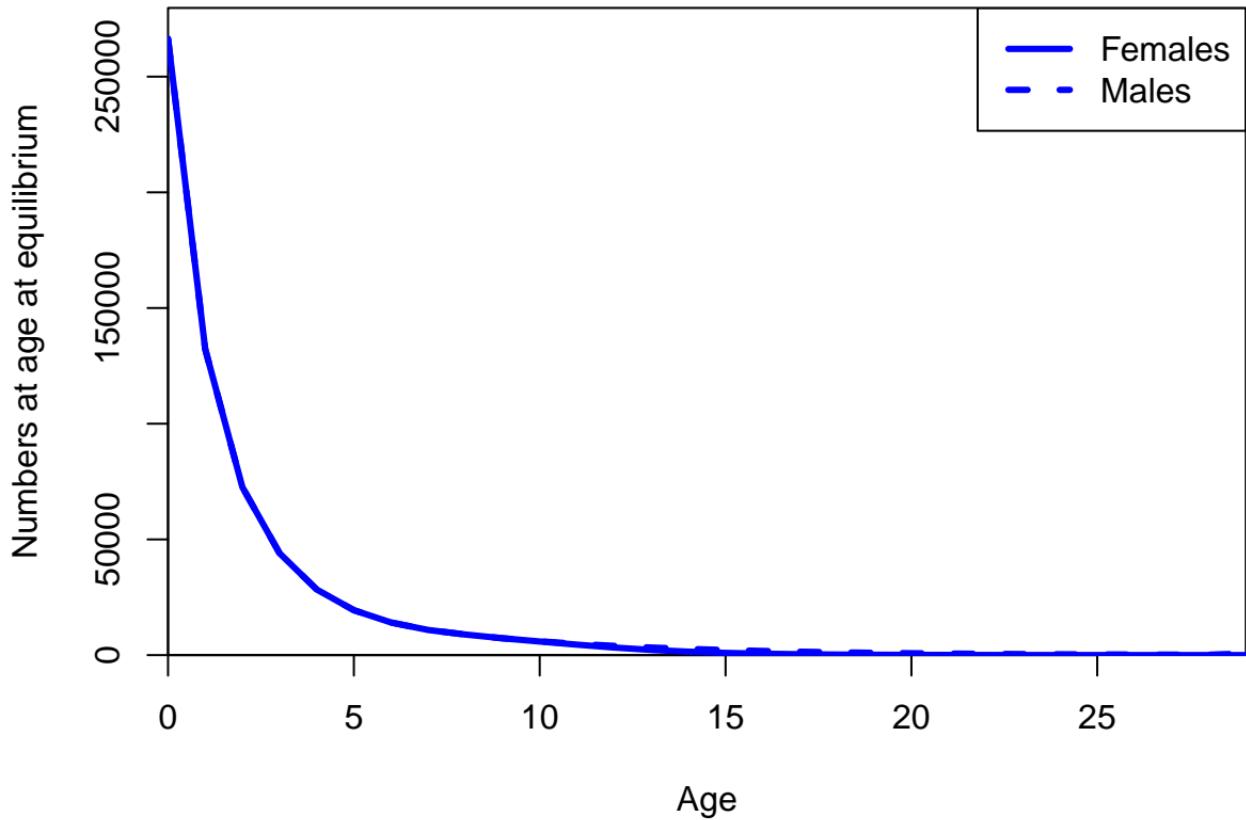


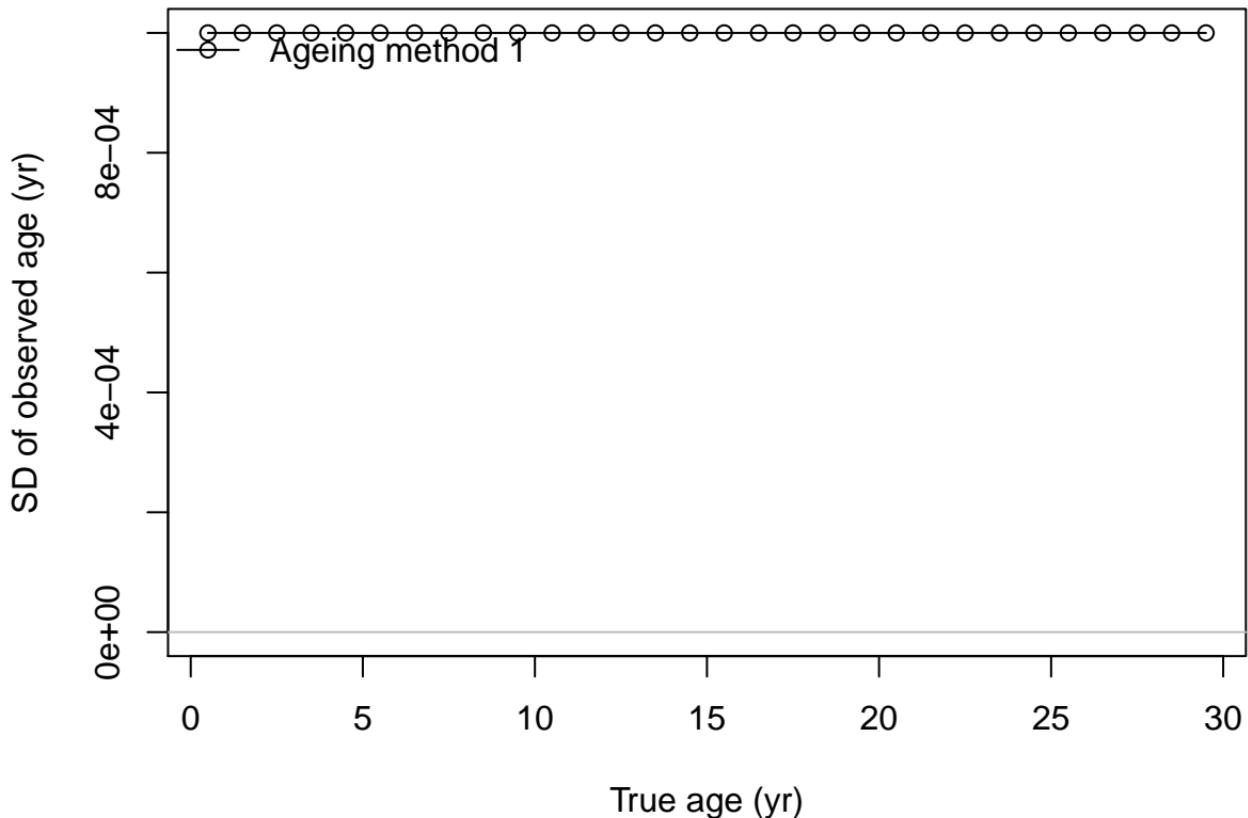


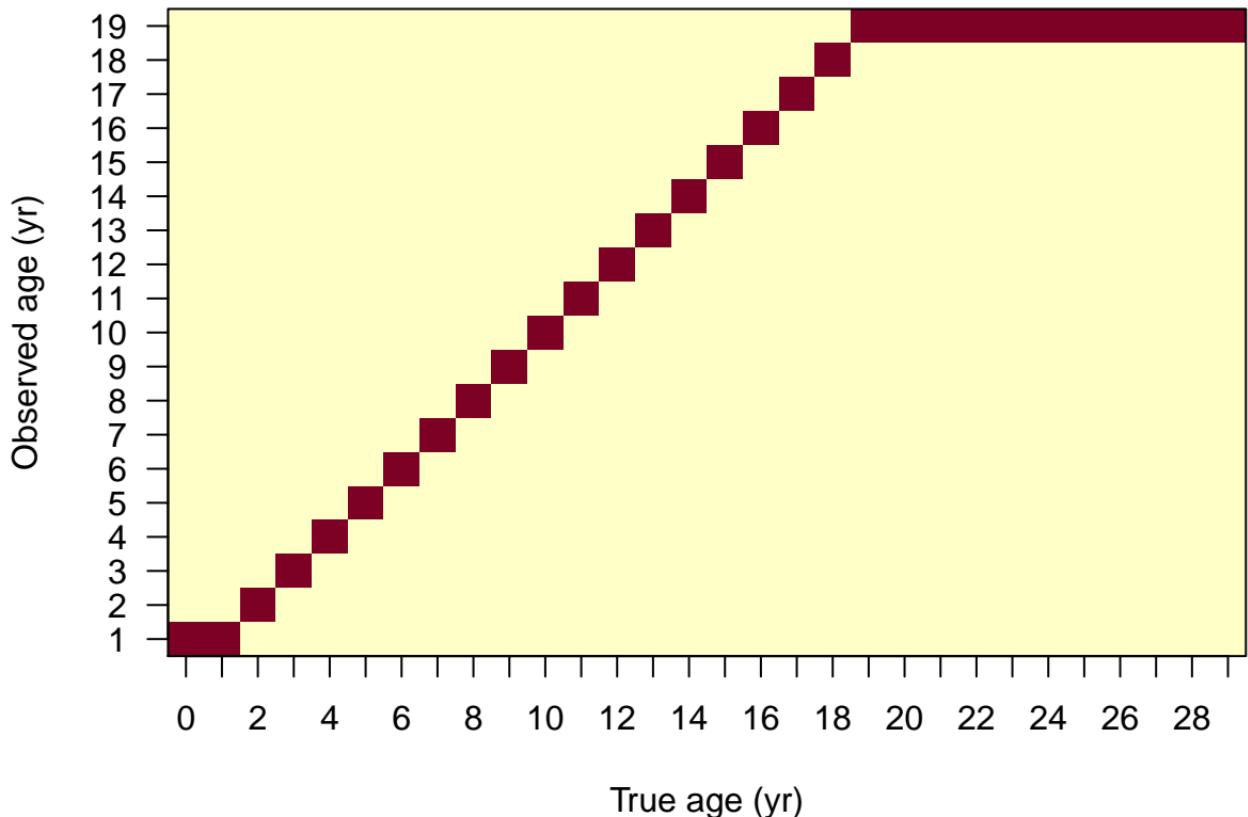


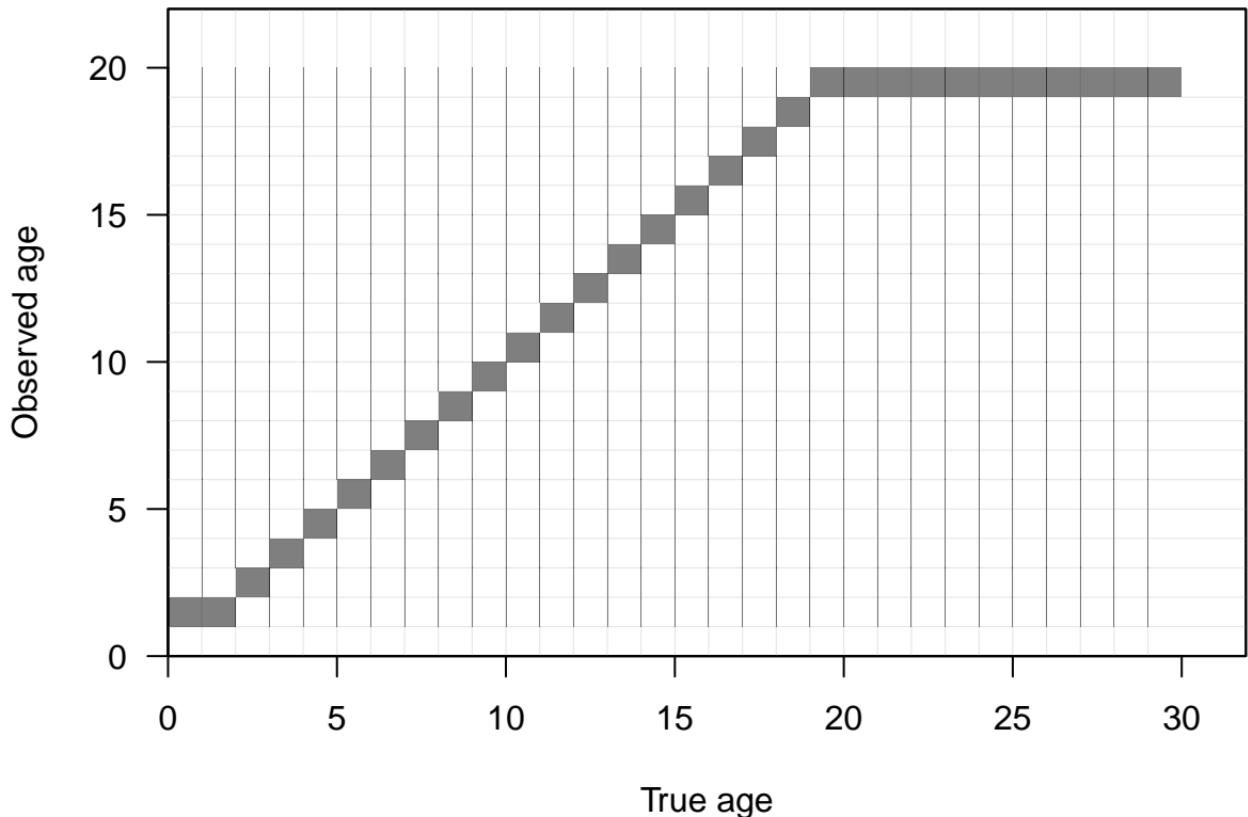




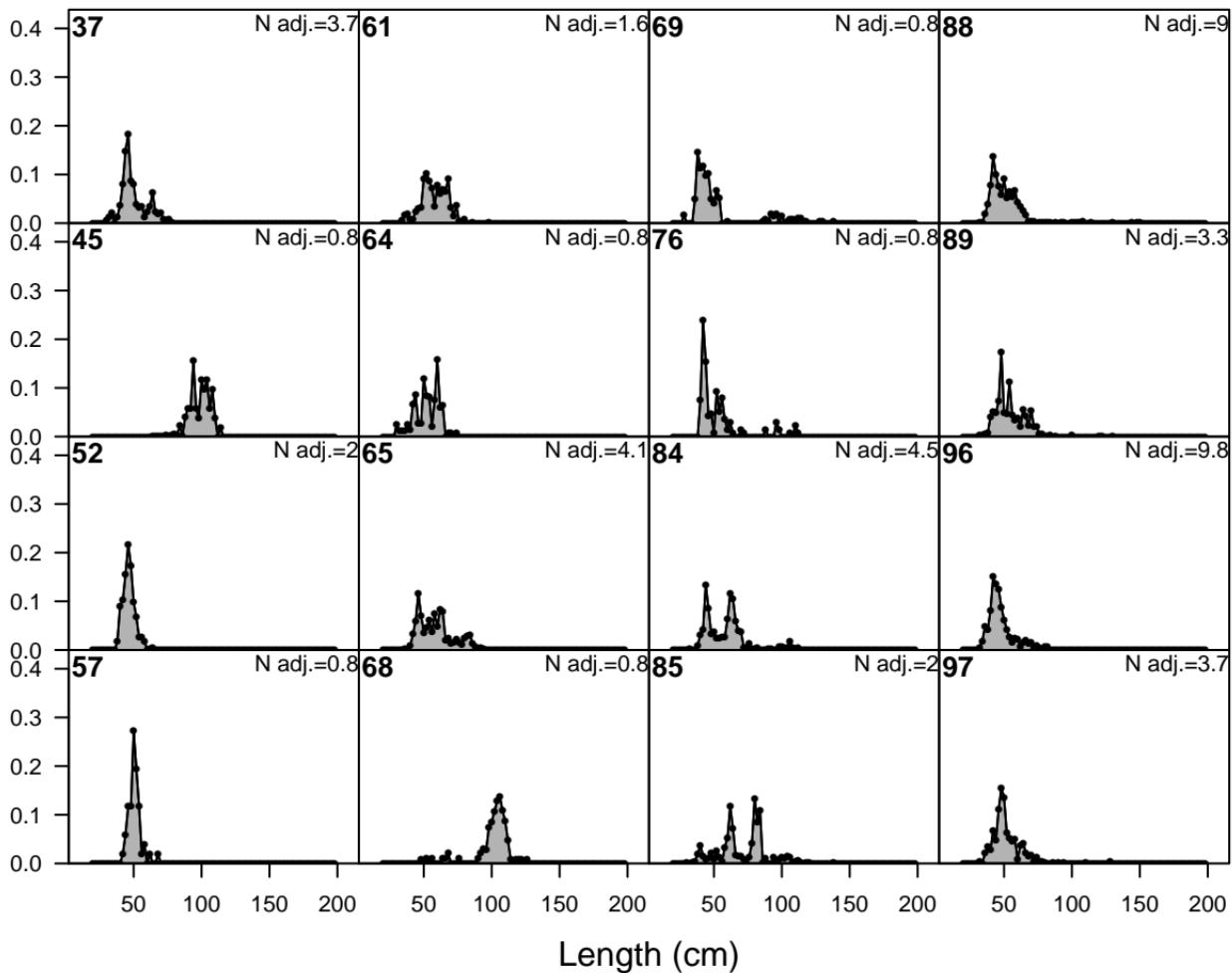




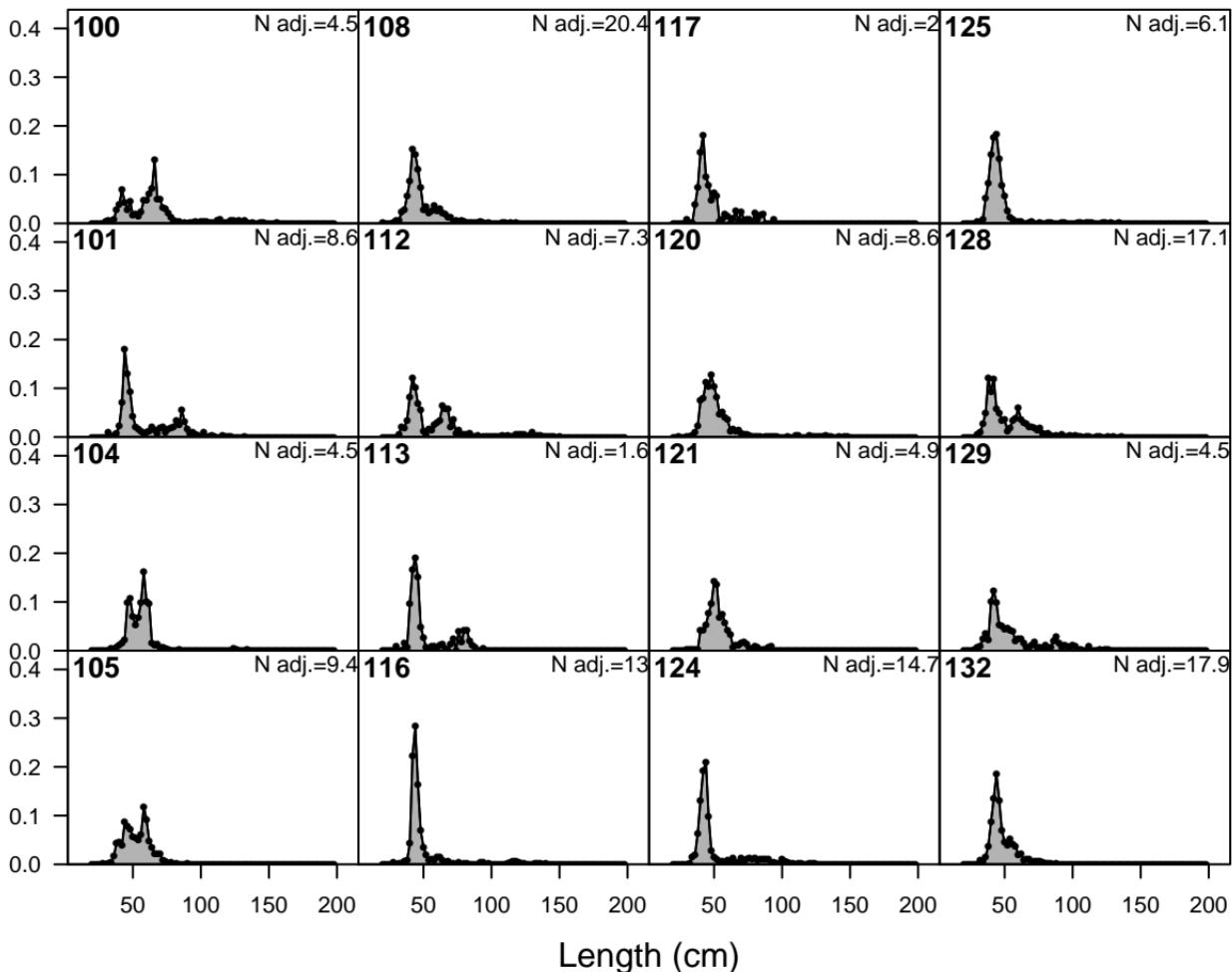




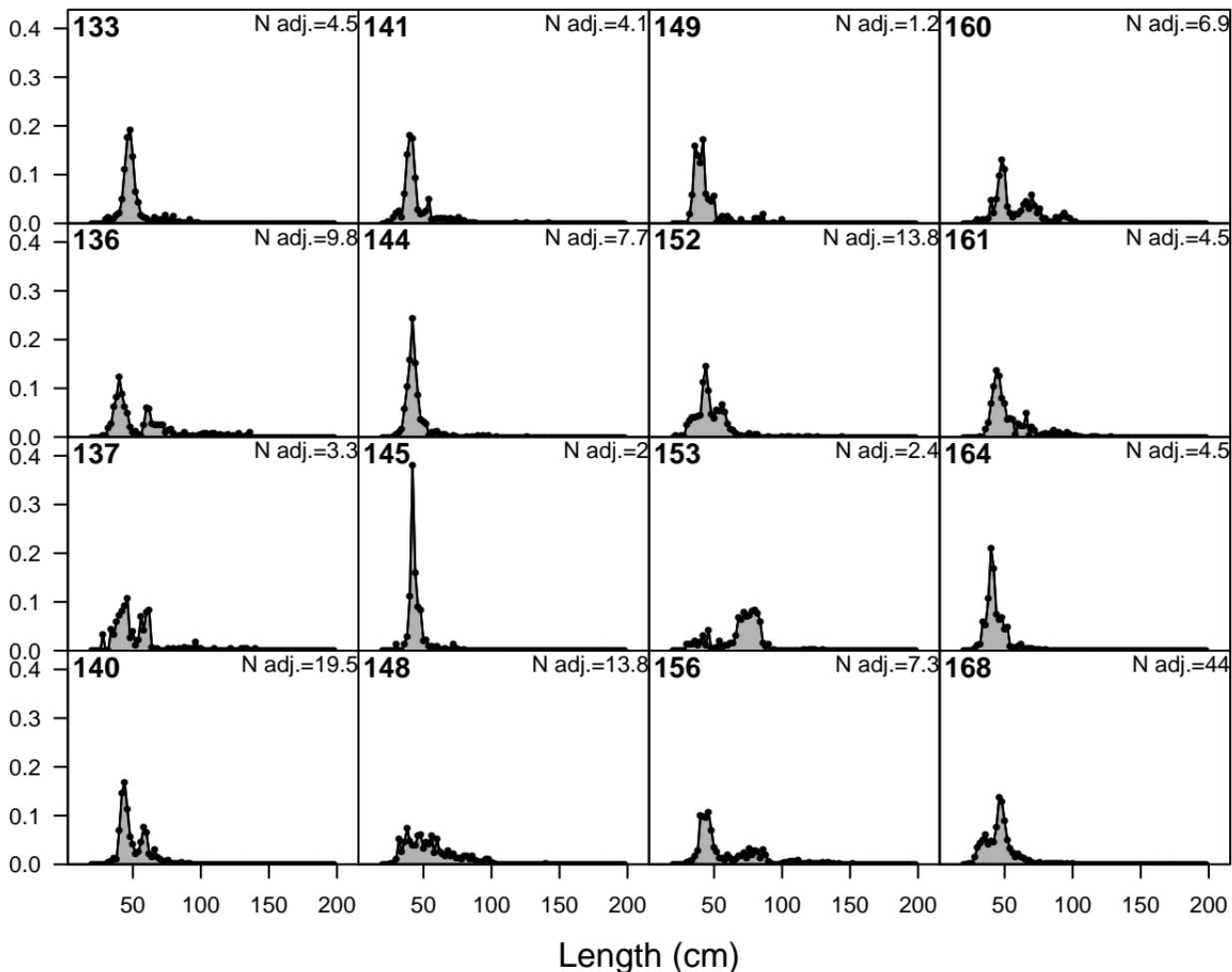
Proportion

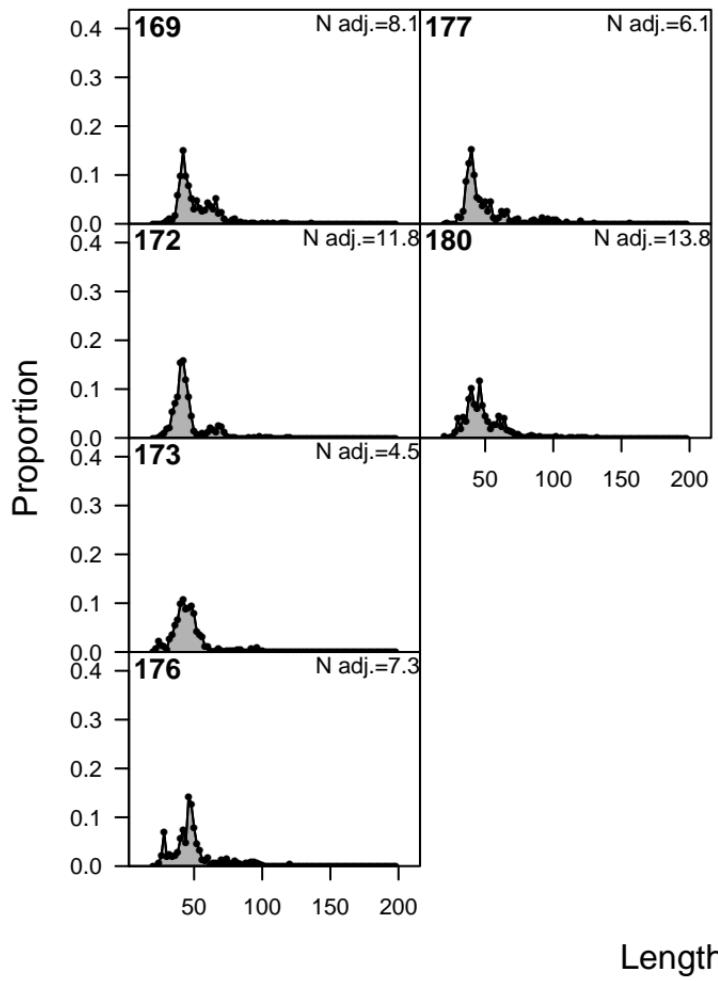


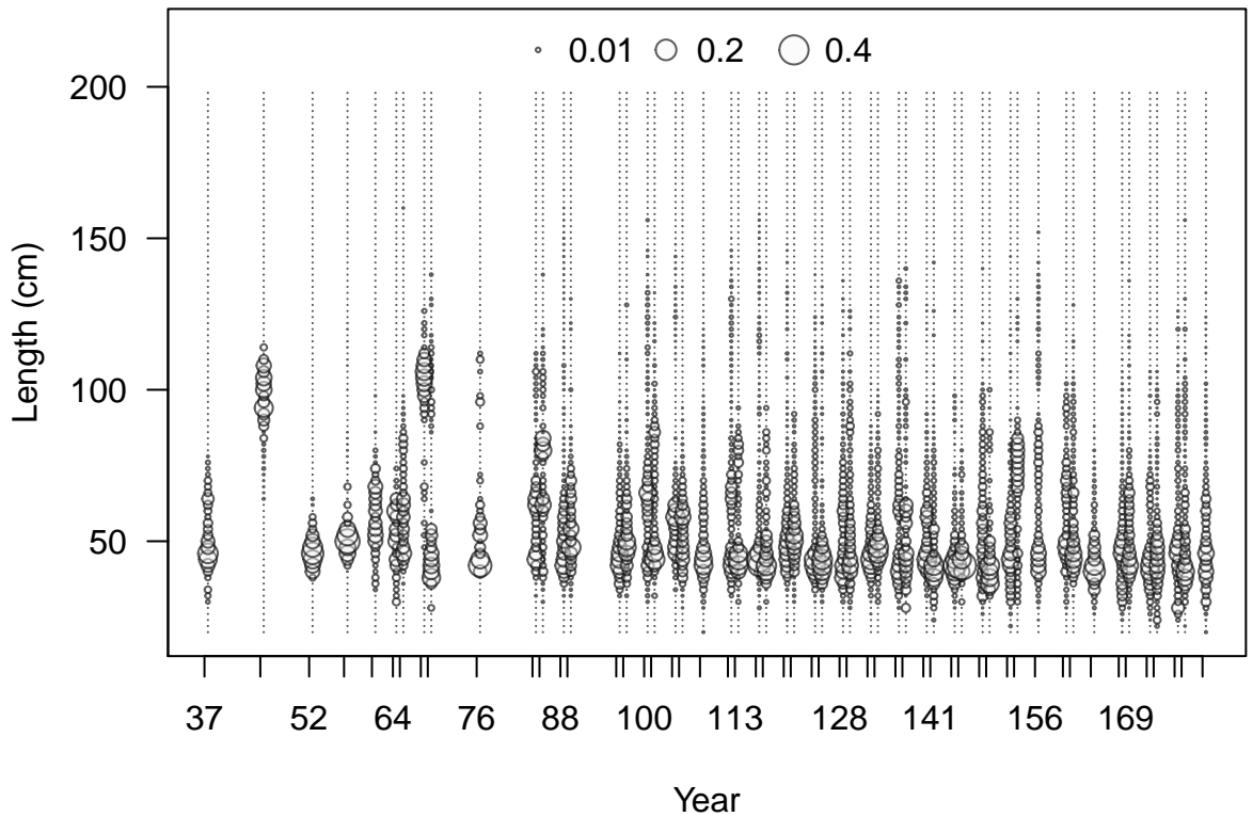
Proportion



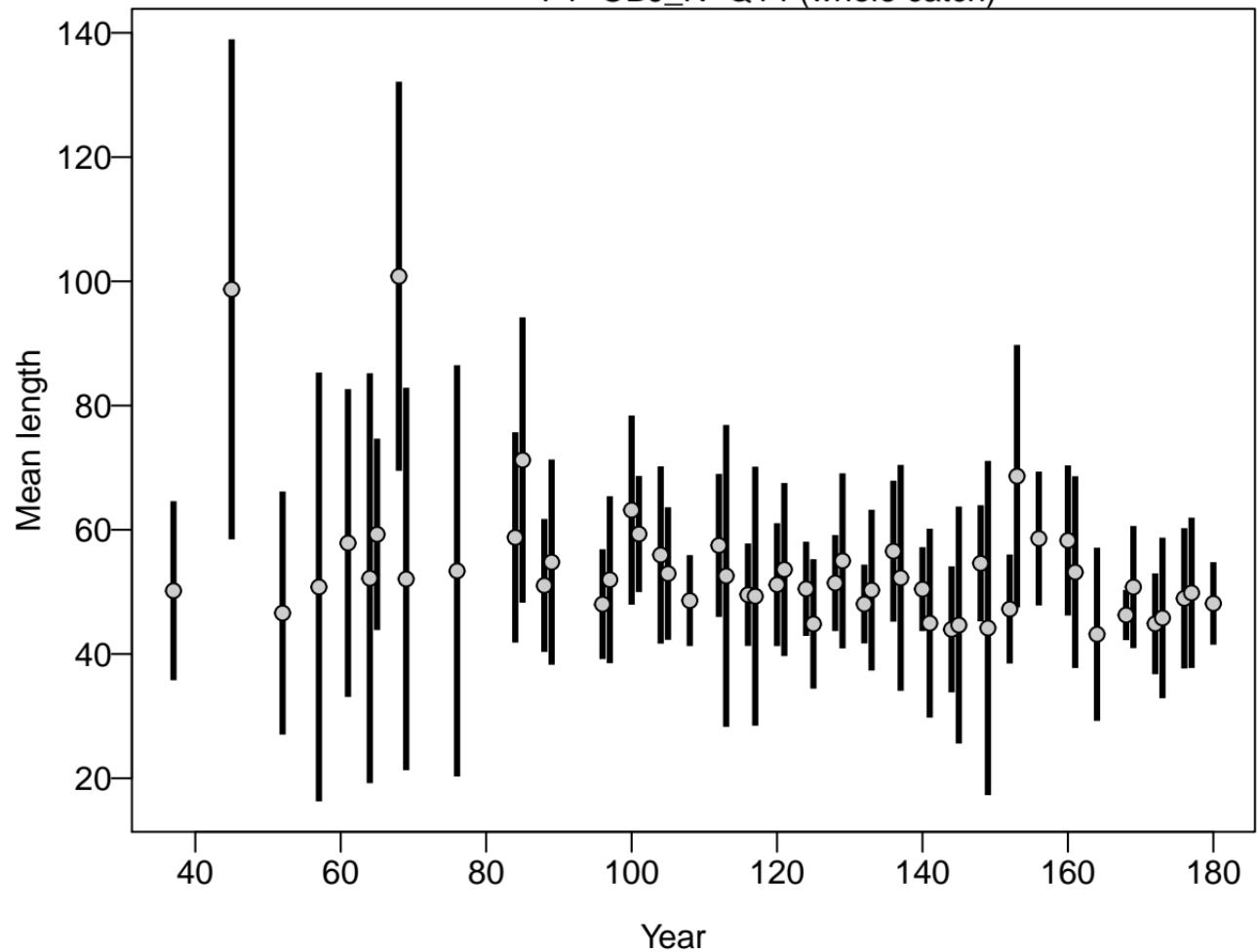
Proportion

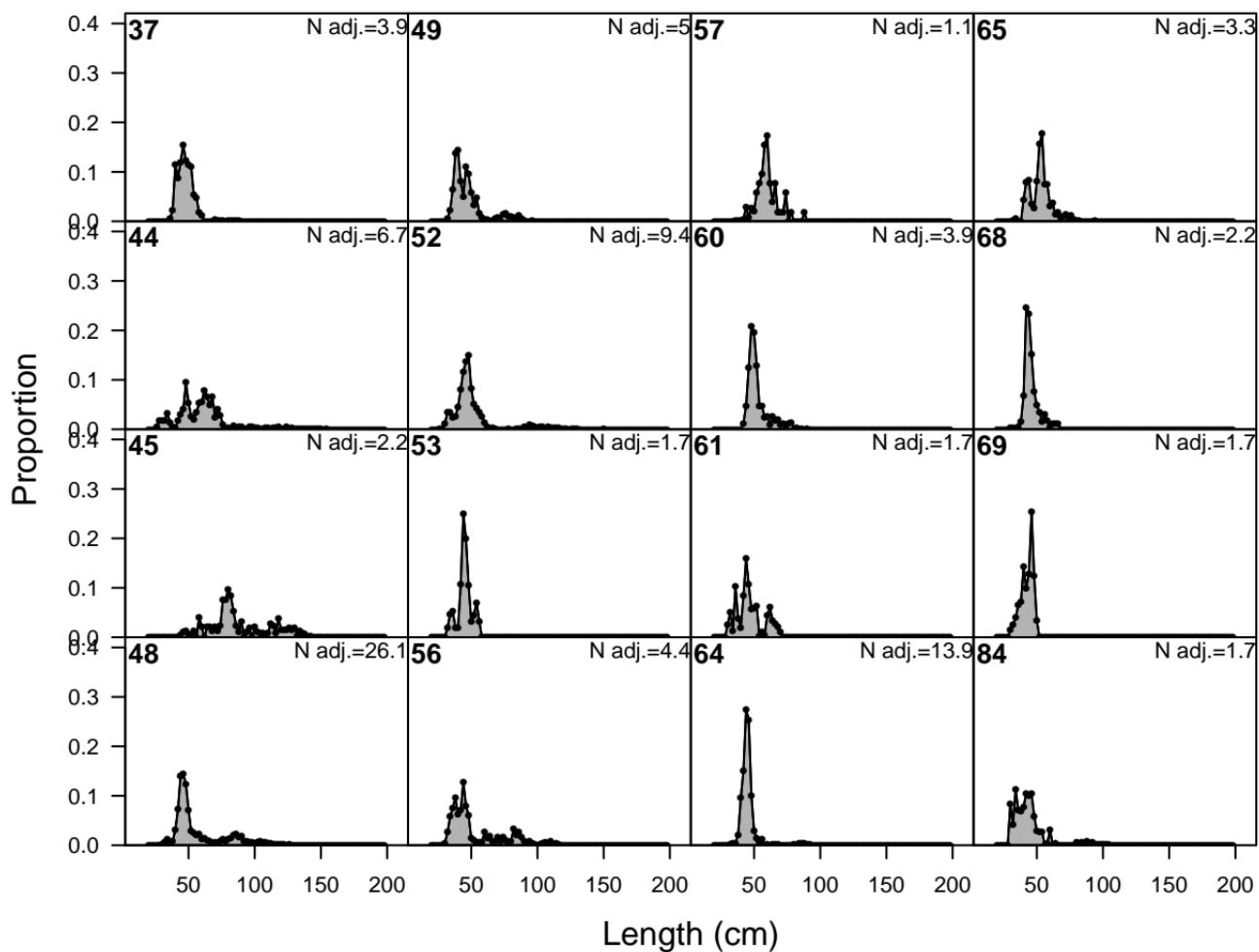




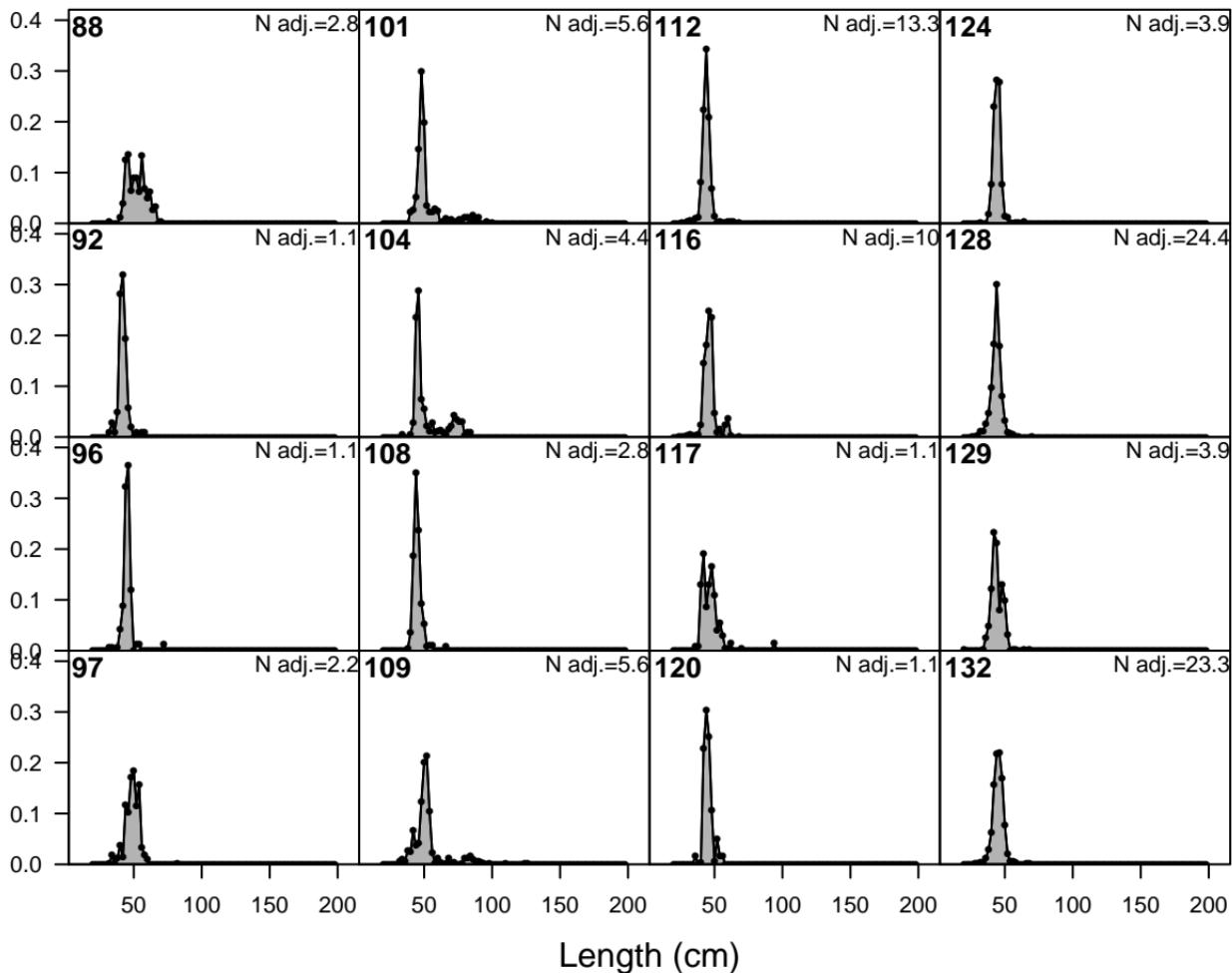


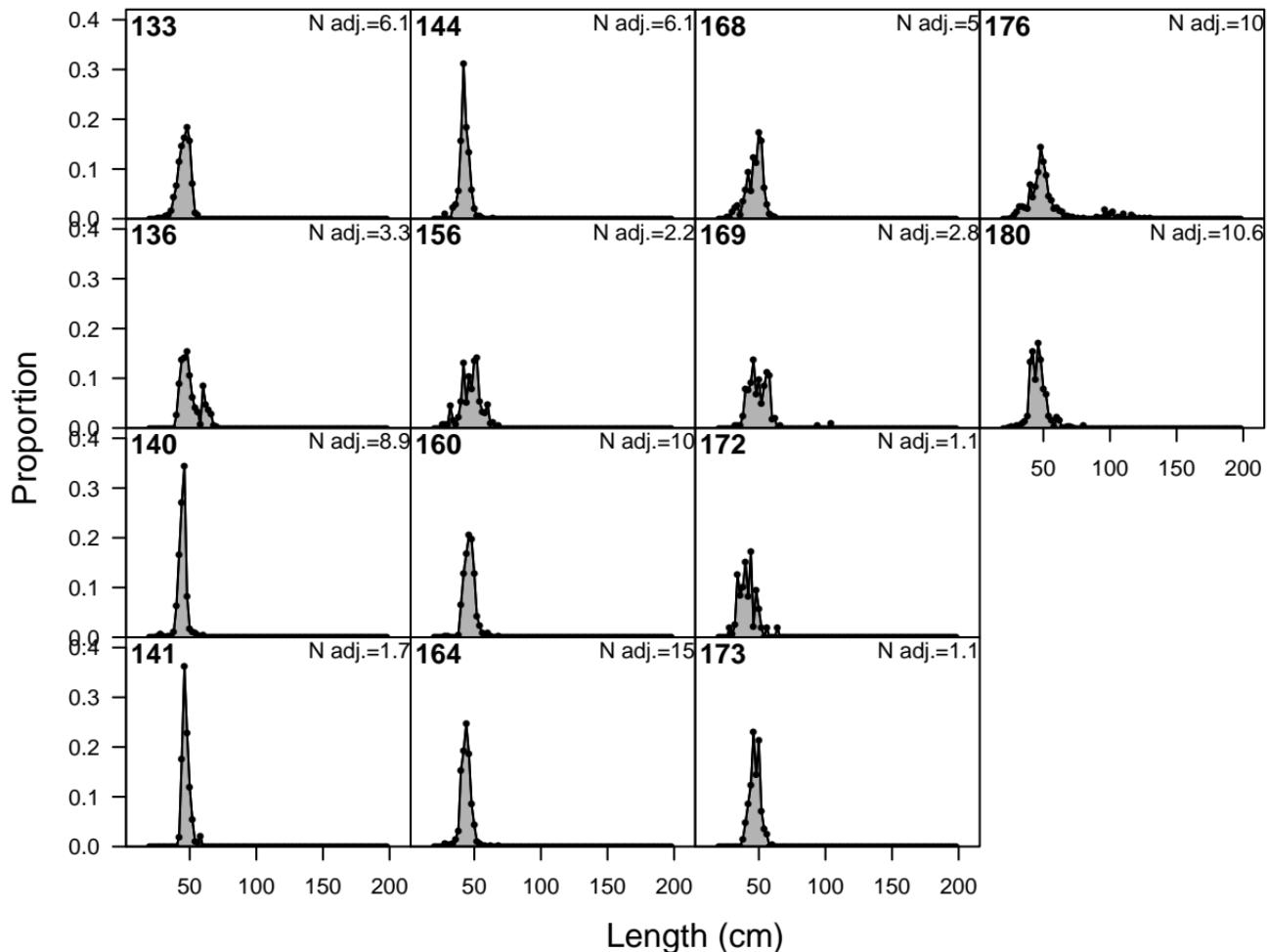
F1-OBJ_N-Q14 (whole catch)

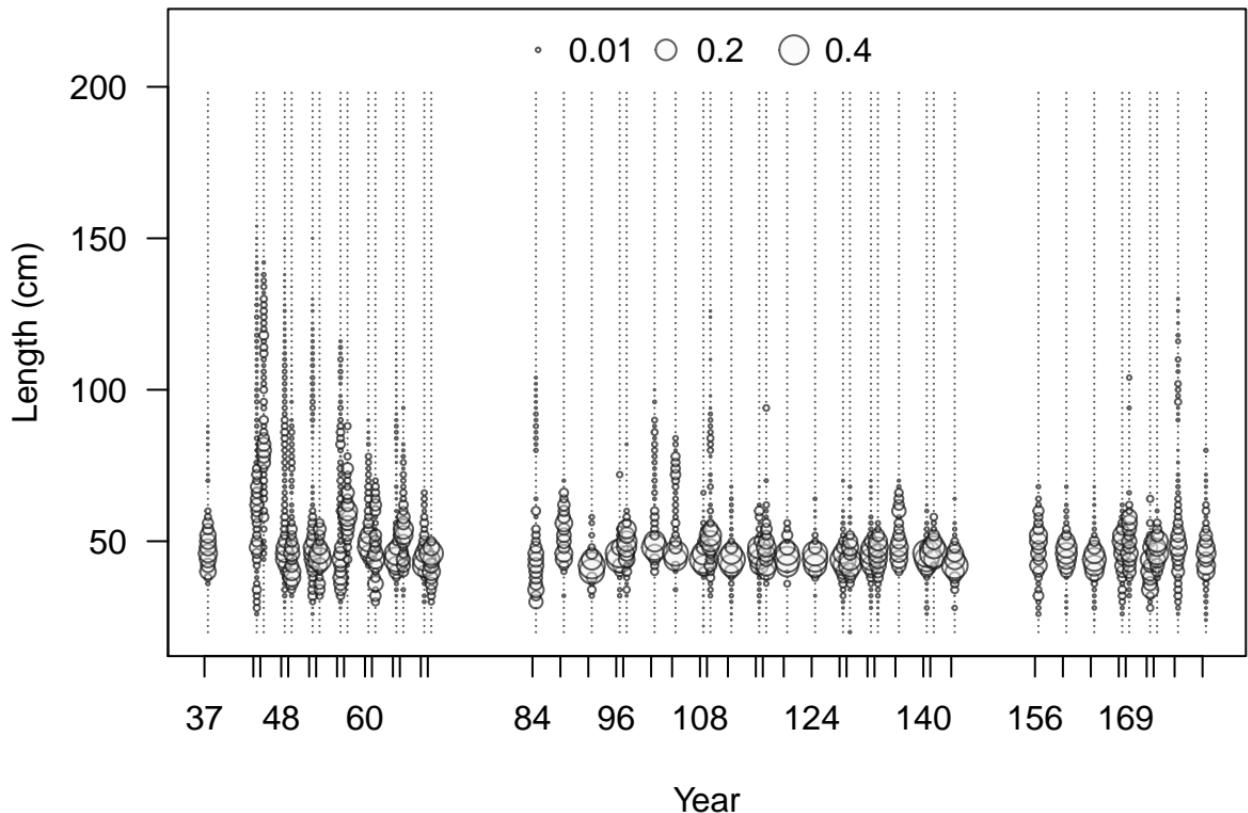




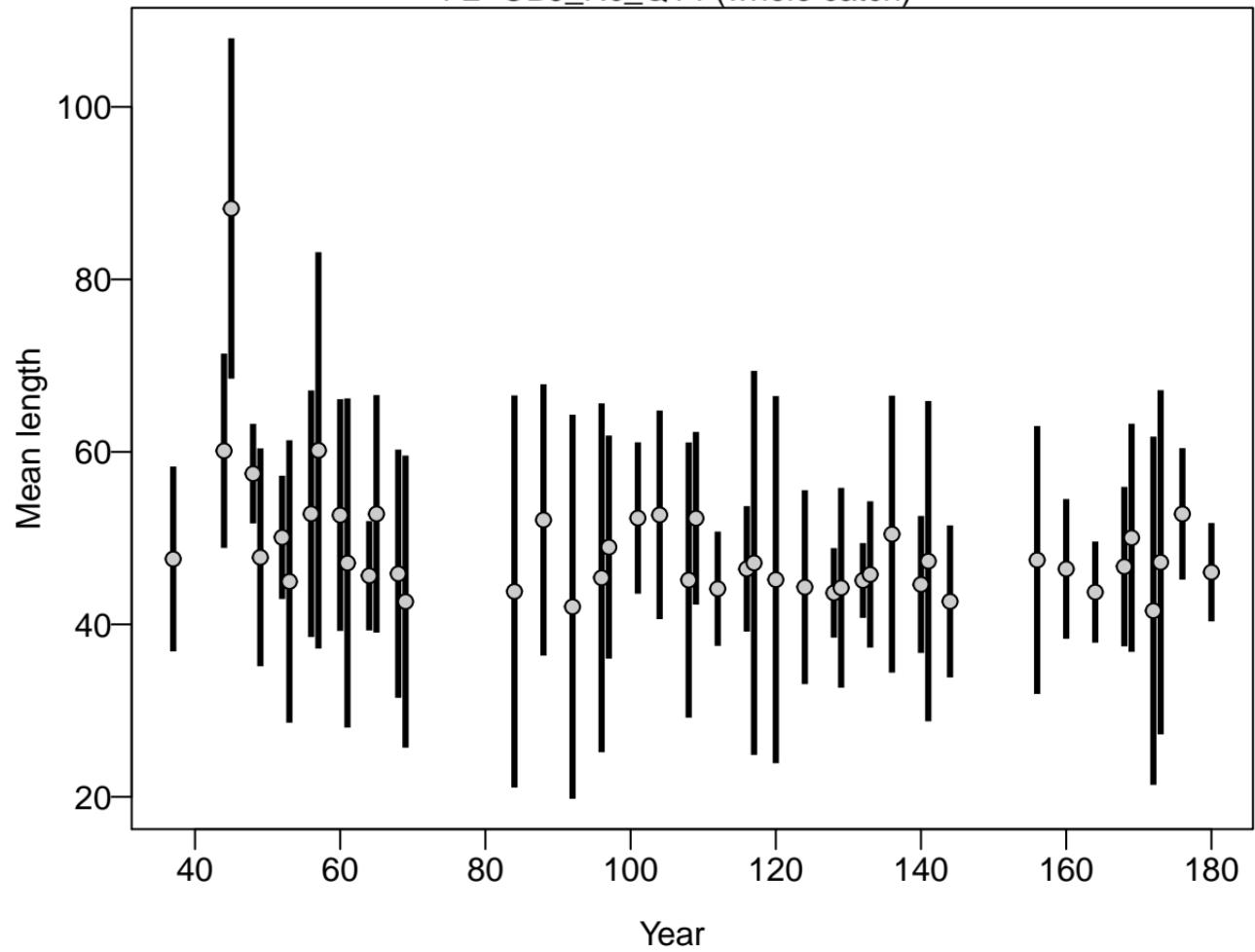
Proportion



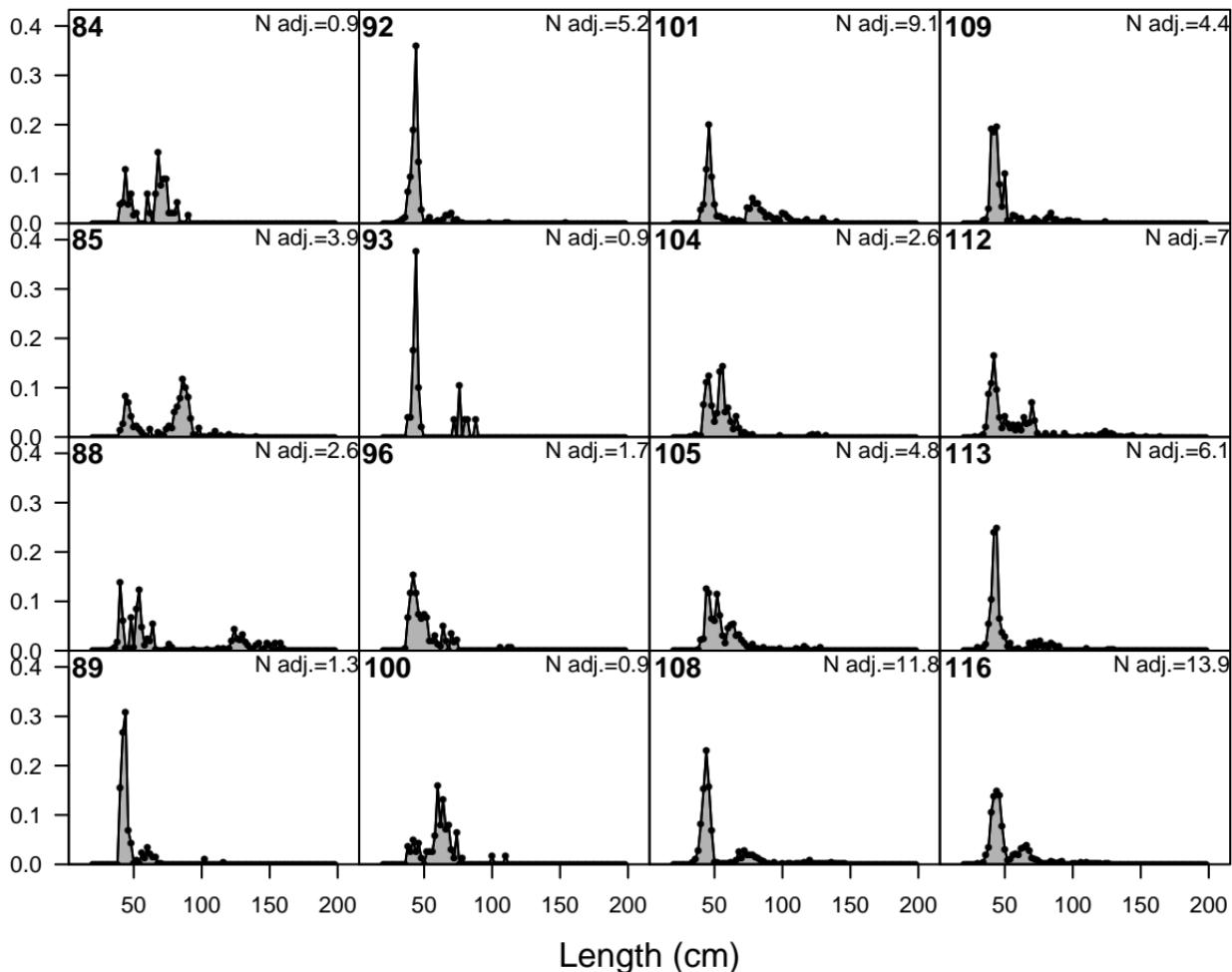




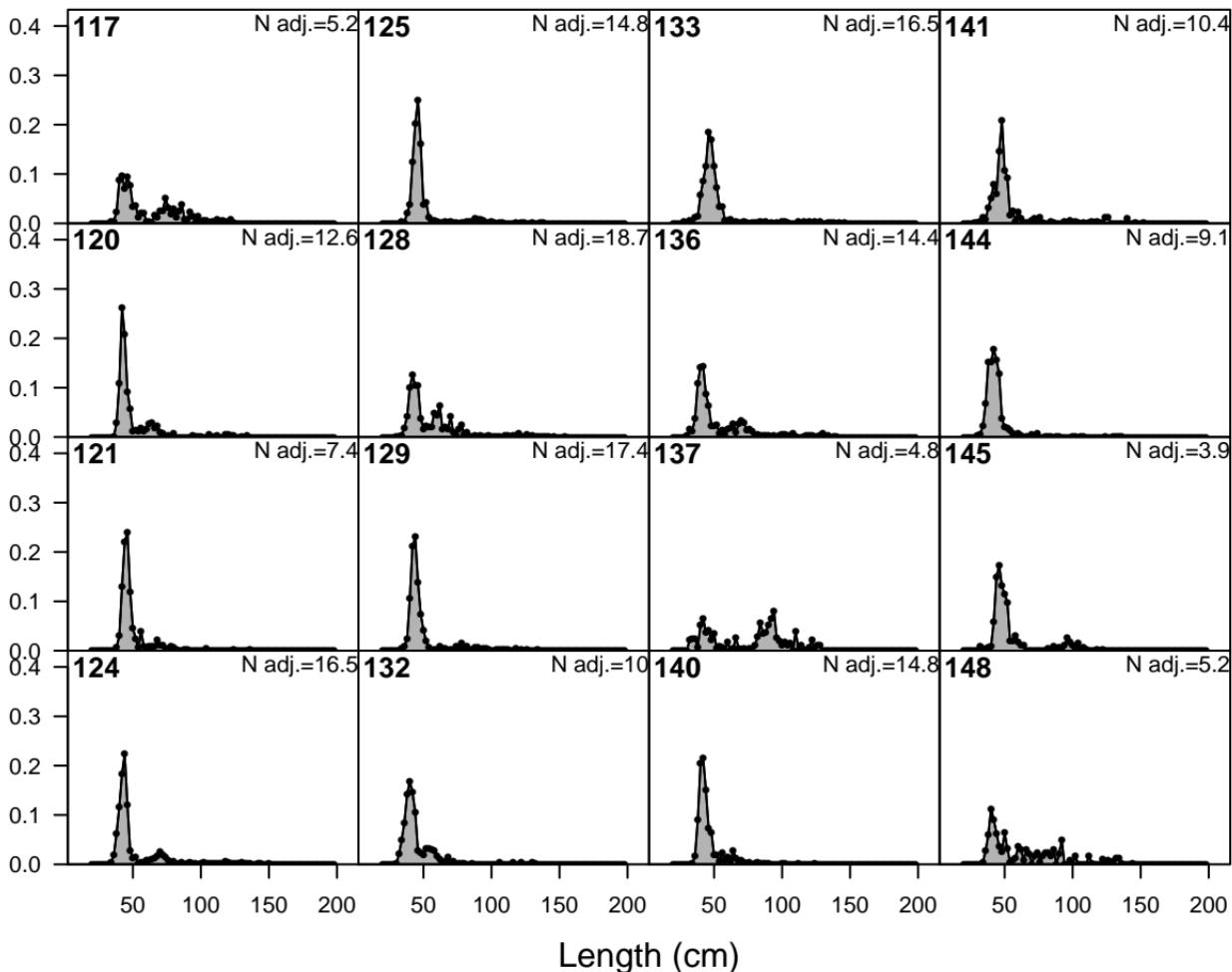
F2-OBJ_Nc_Q14 (whole catch)



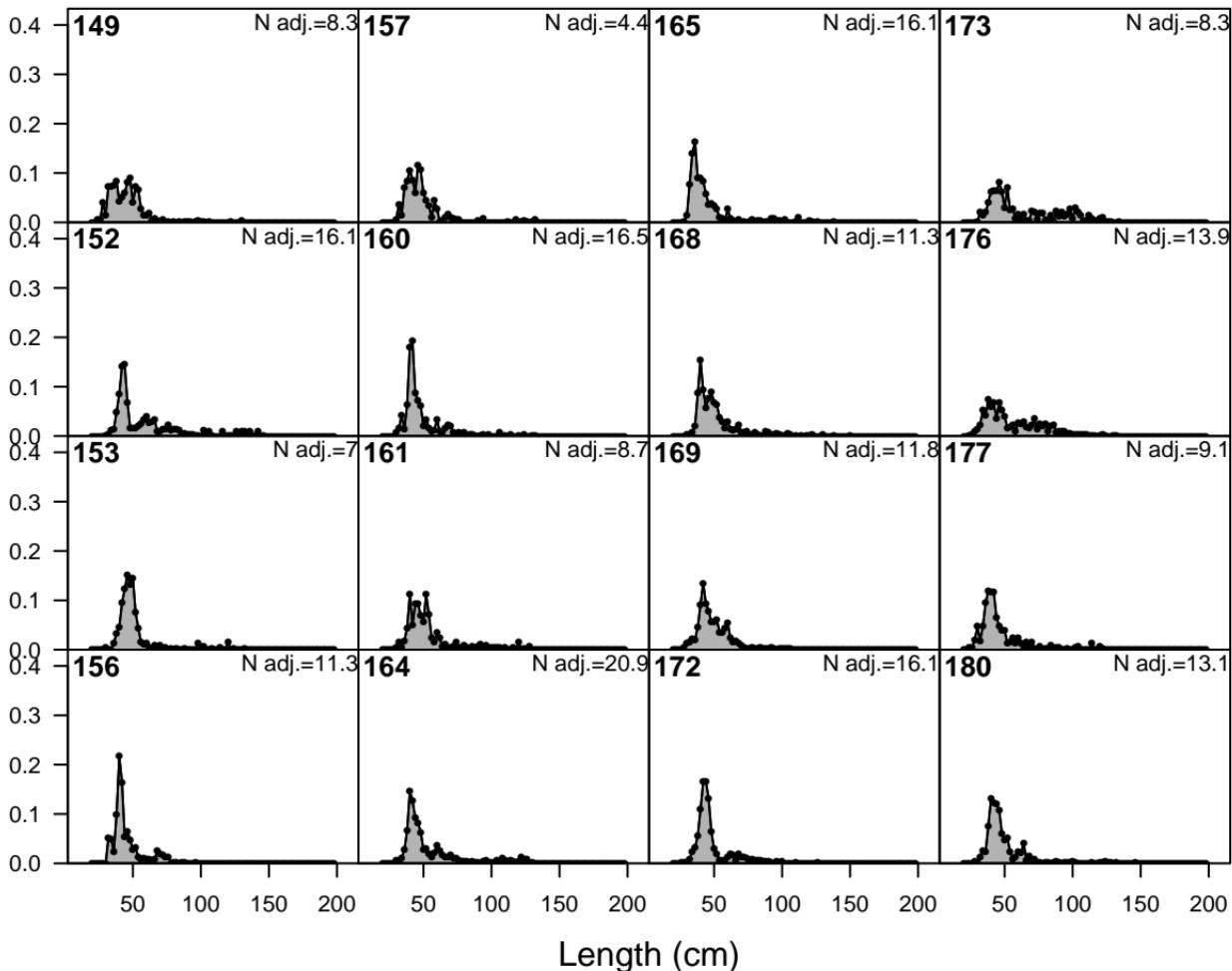
Proportion

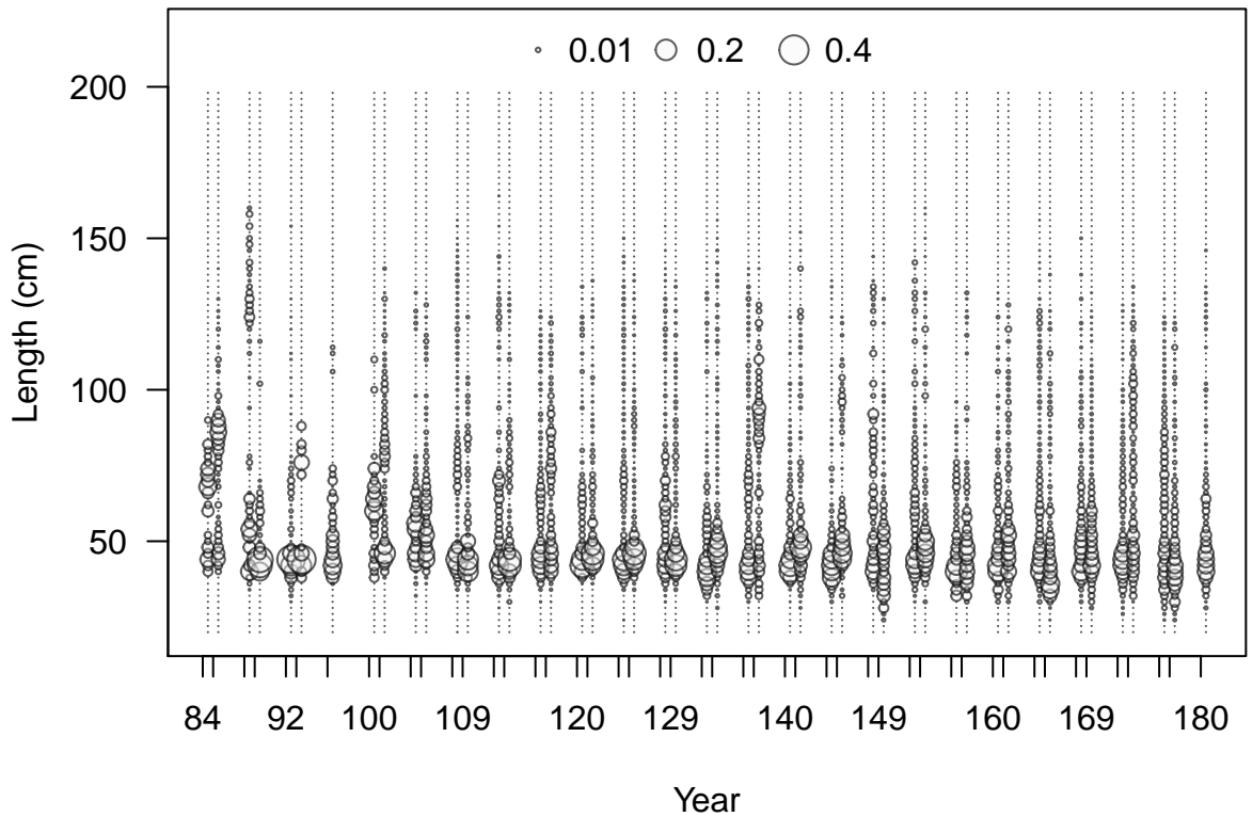


Proportion

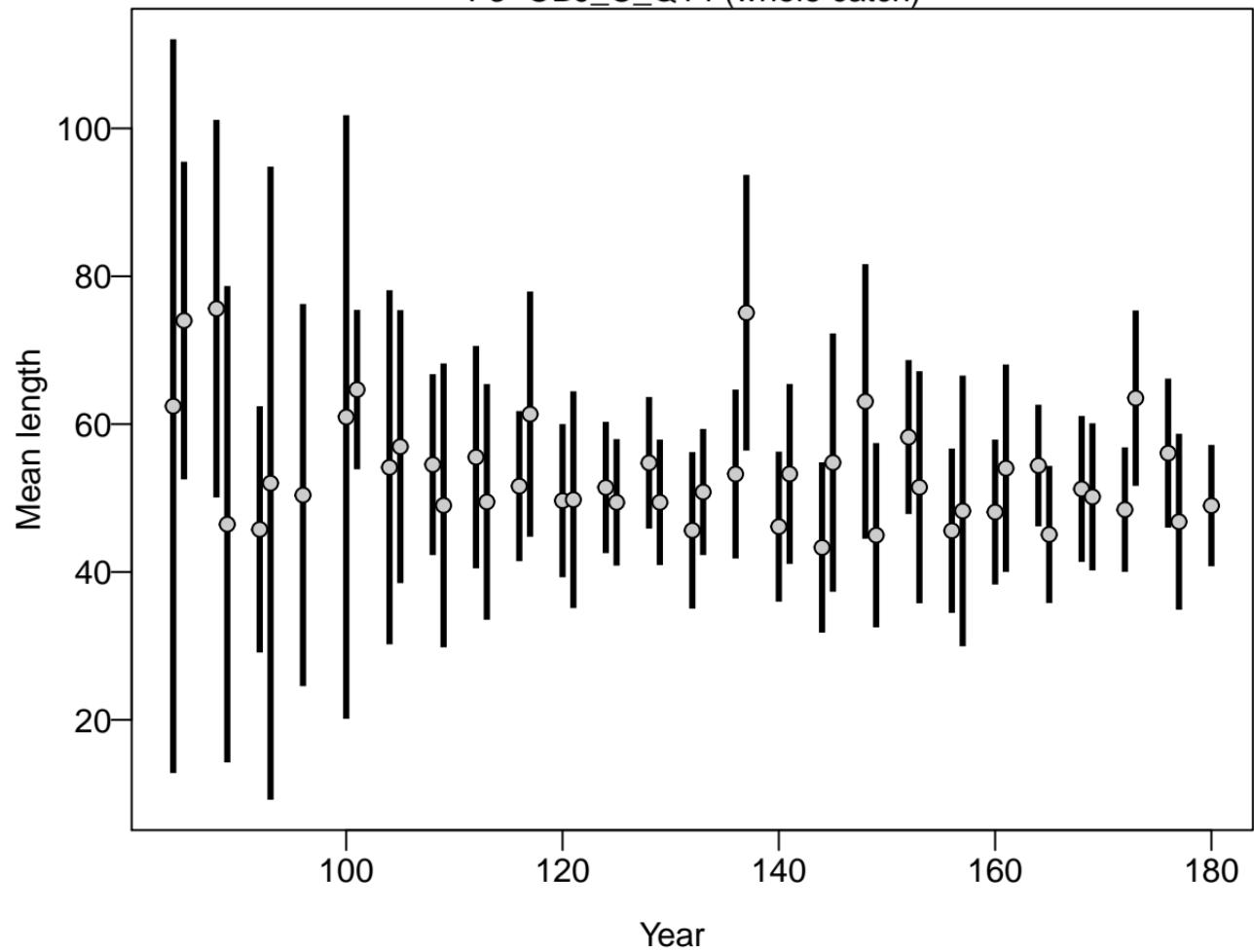


Proportion

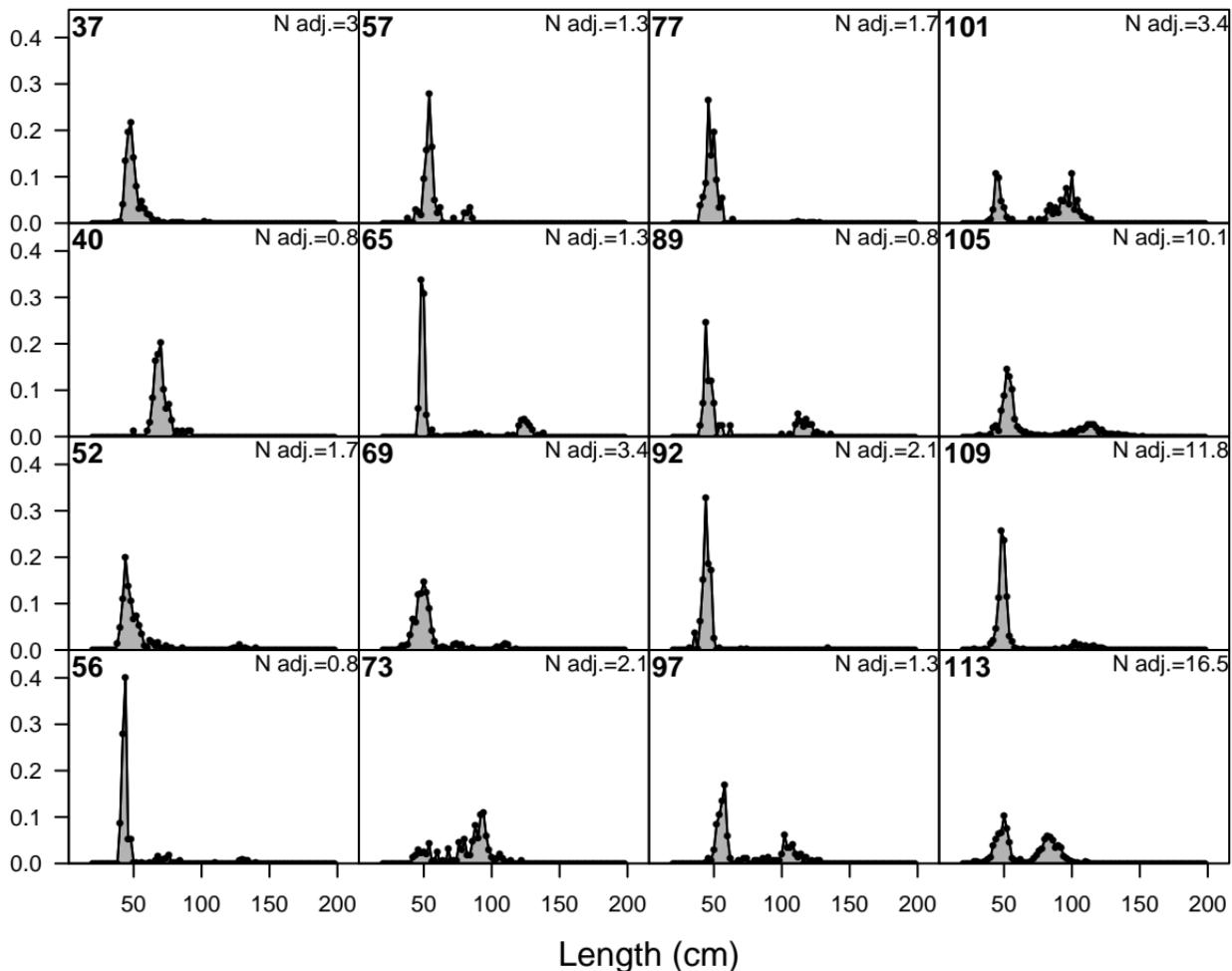




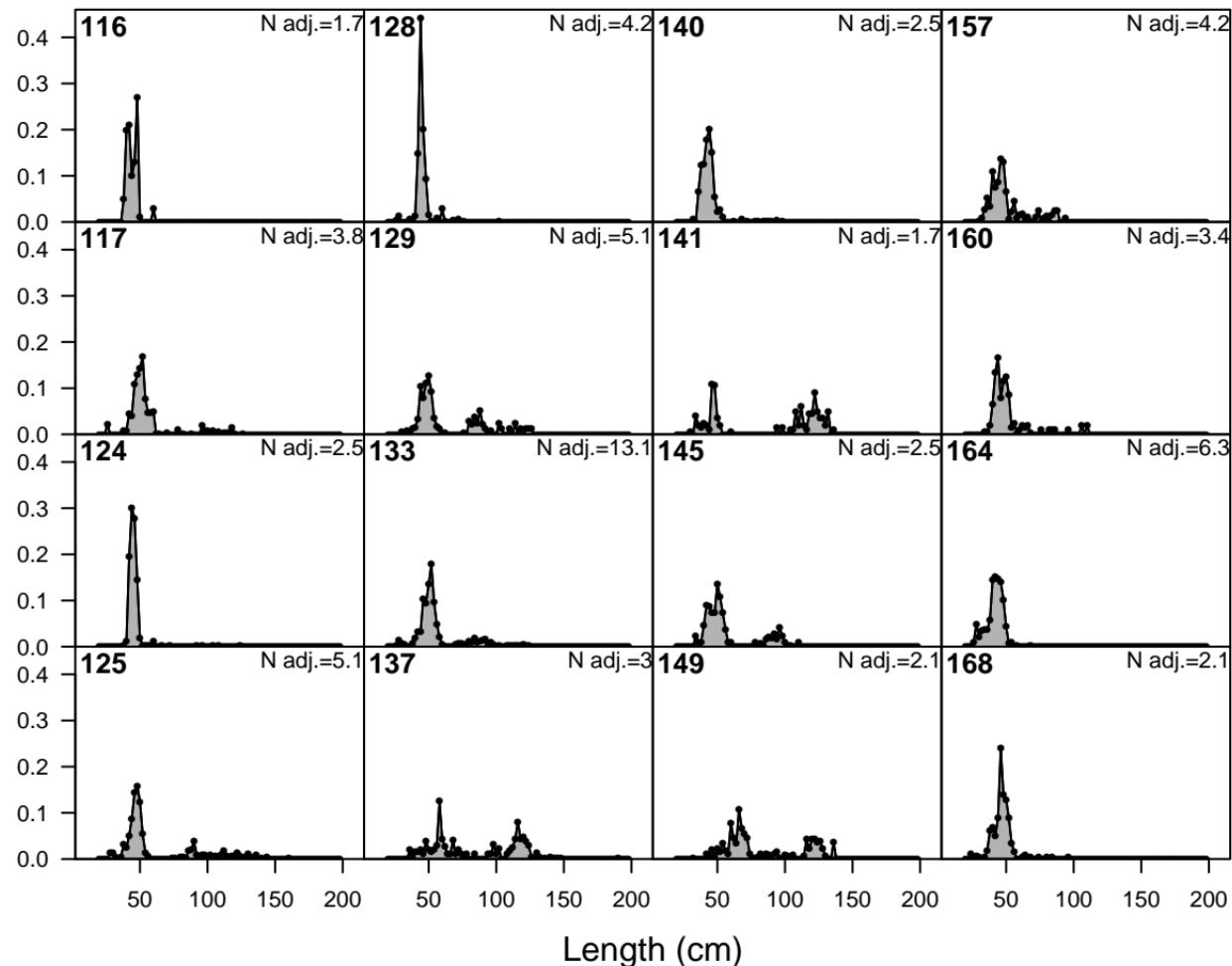
F3-OBJ_C_Q14 (whole catch)

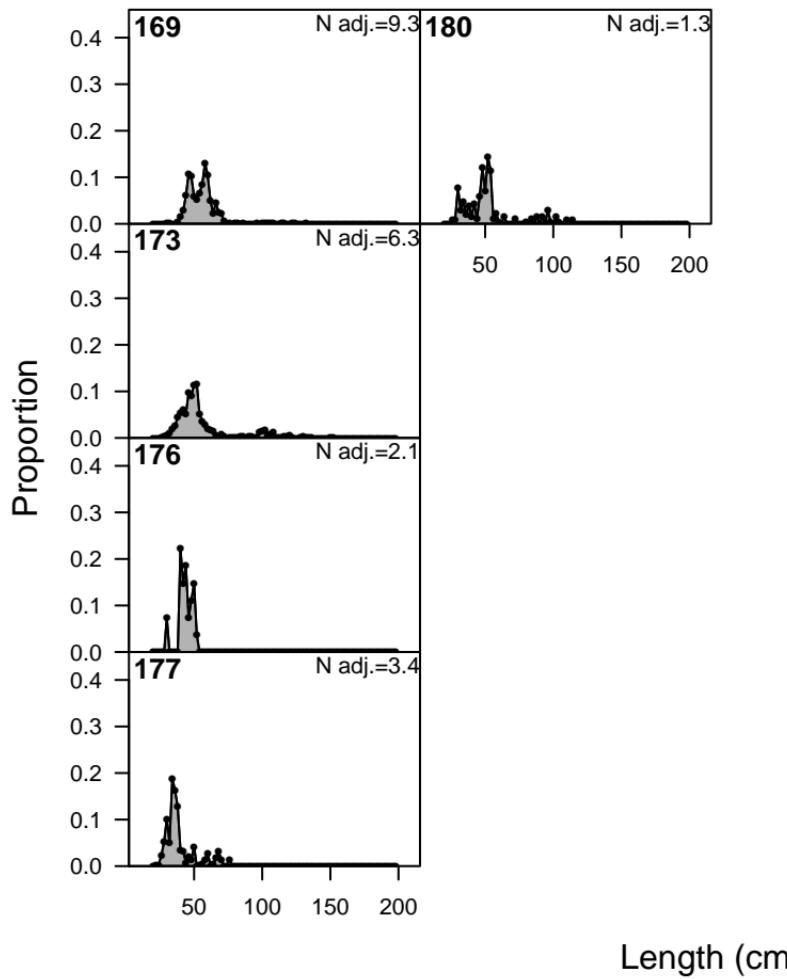


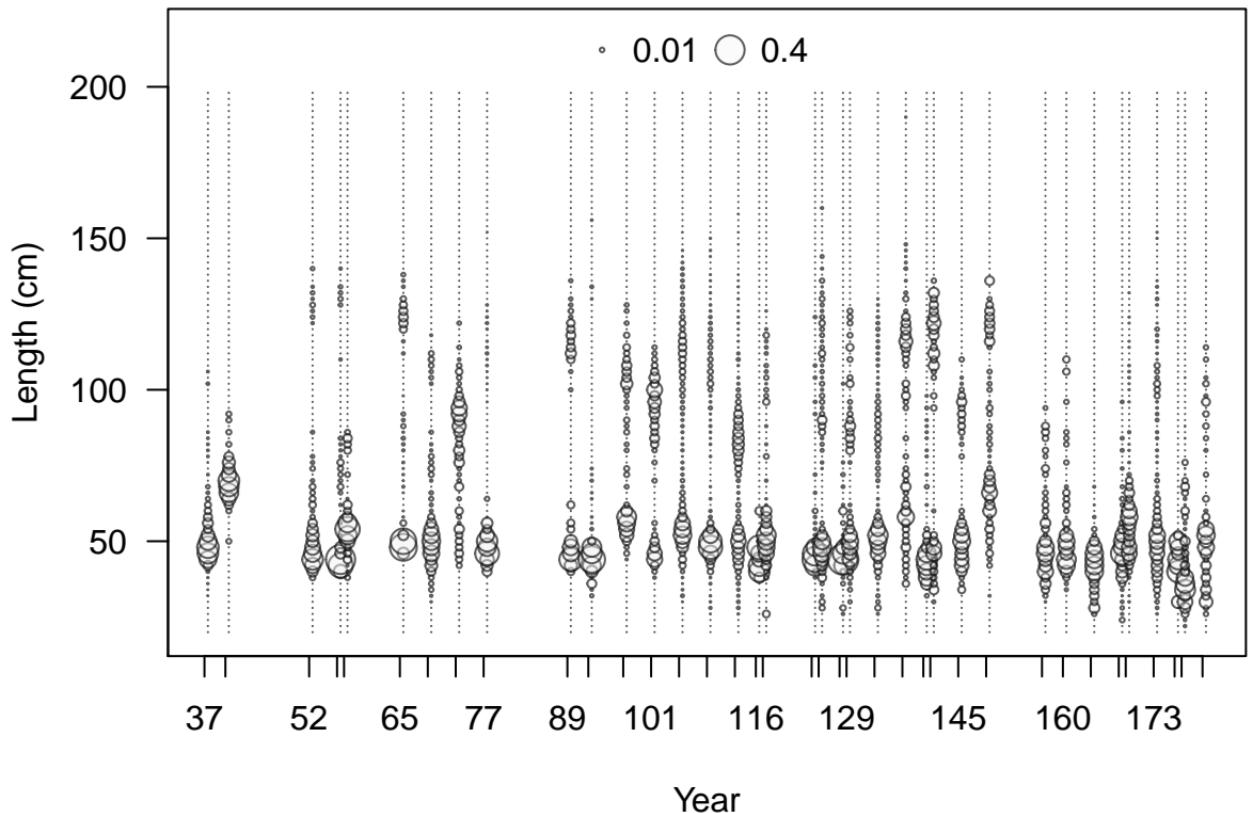
Proportion



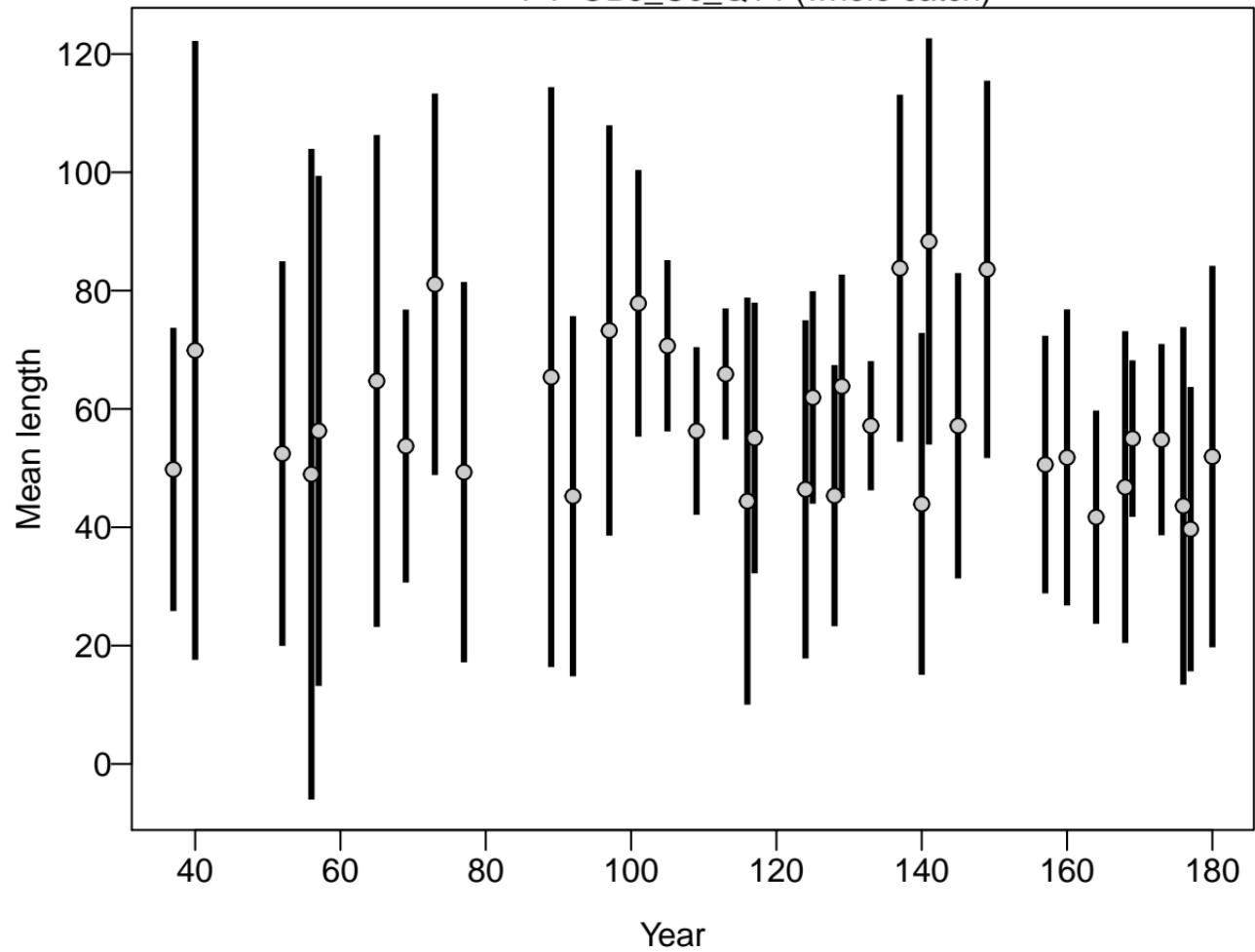
Proportion

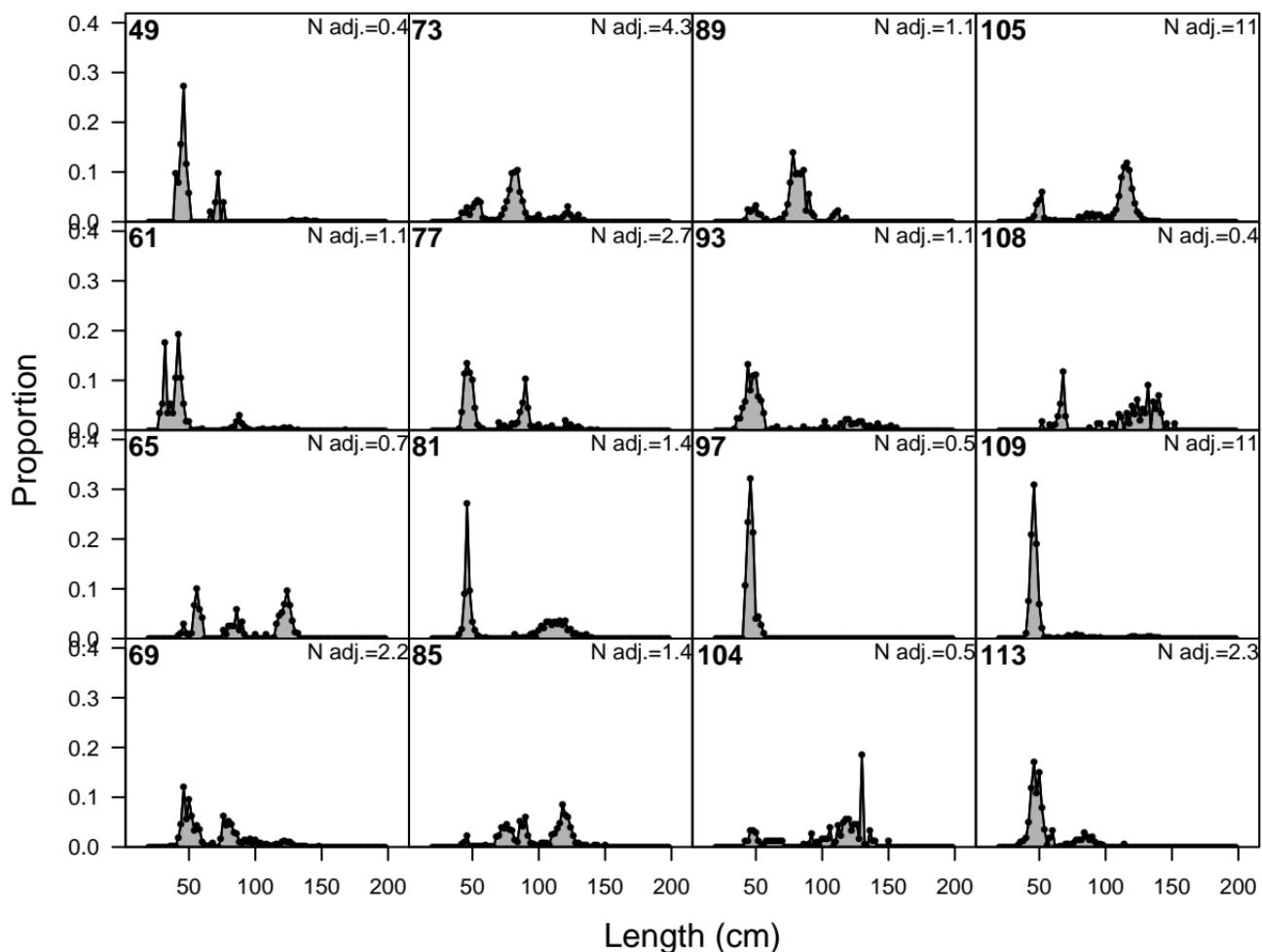


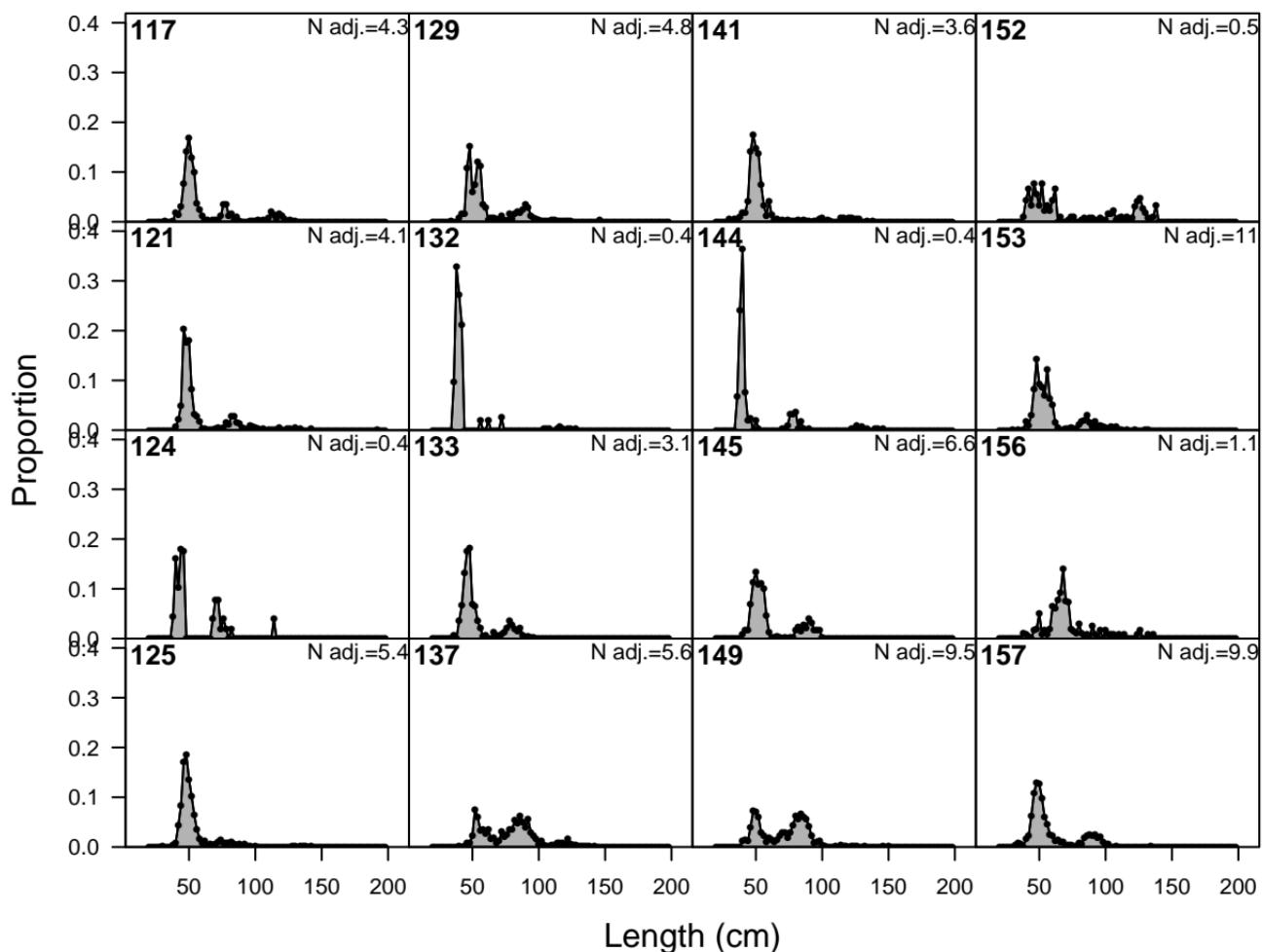


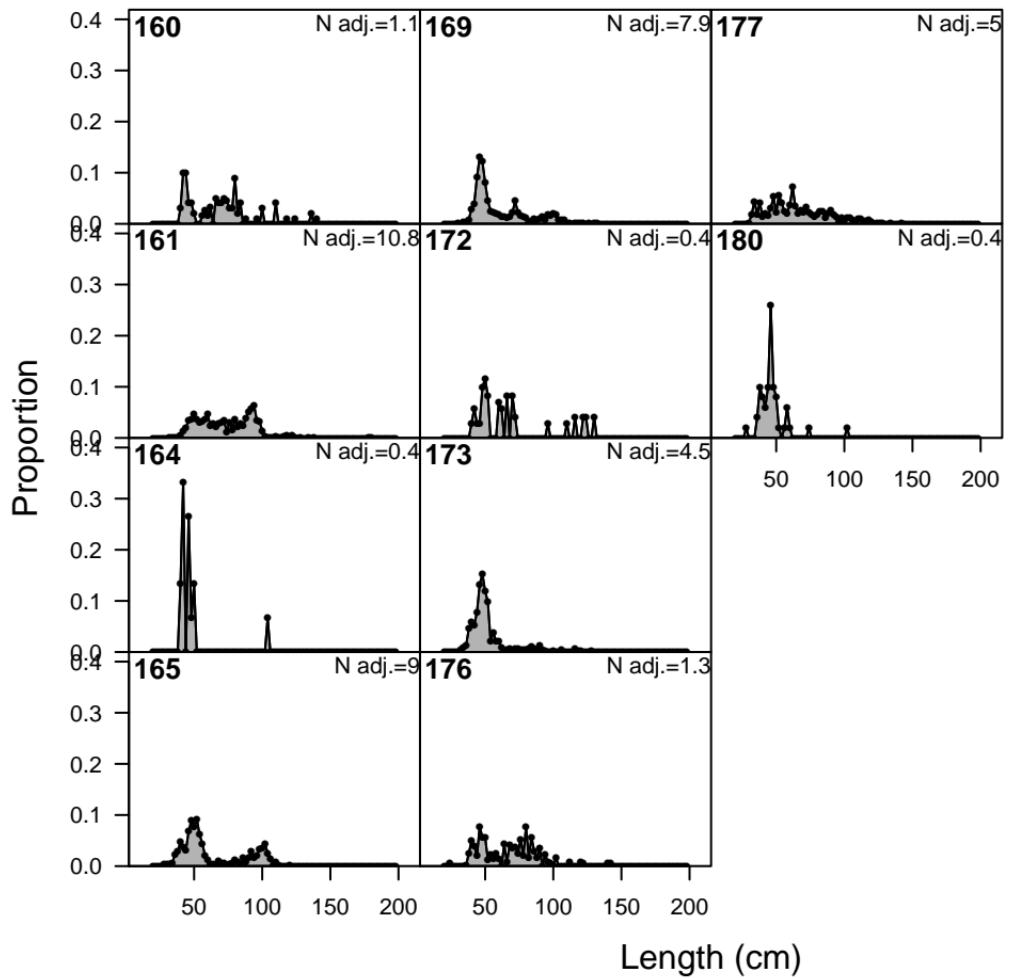


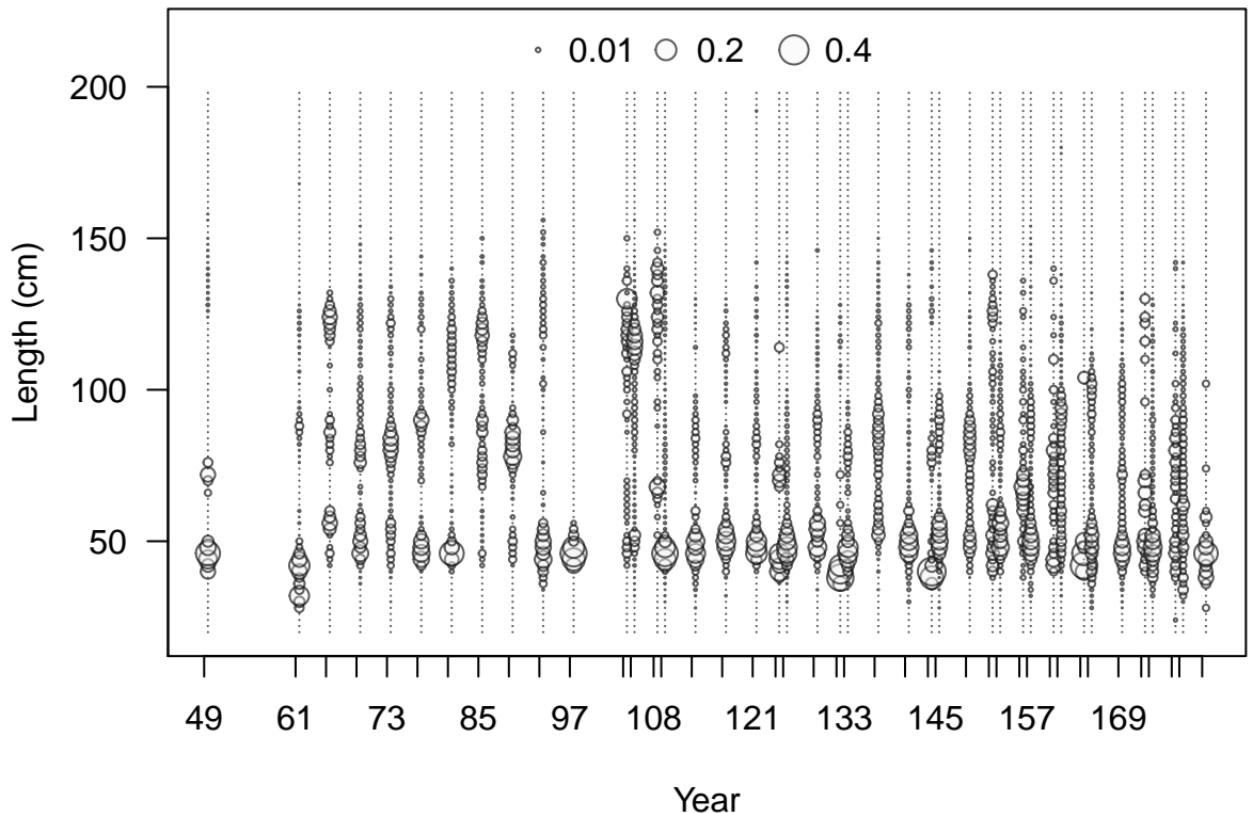
F4-OBJ_Cc_Q14 (whole catch)



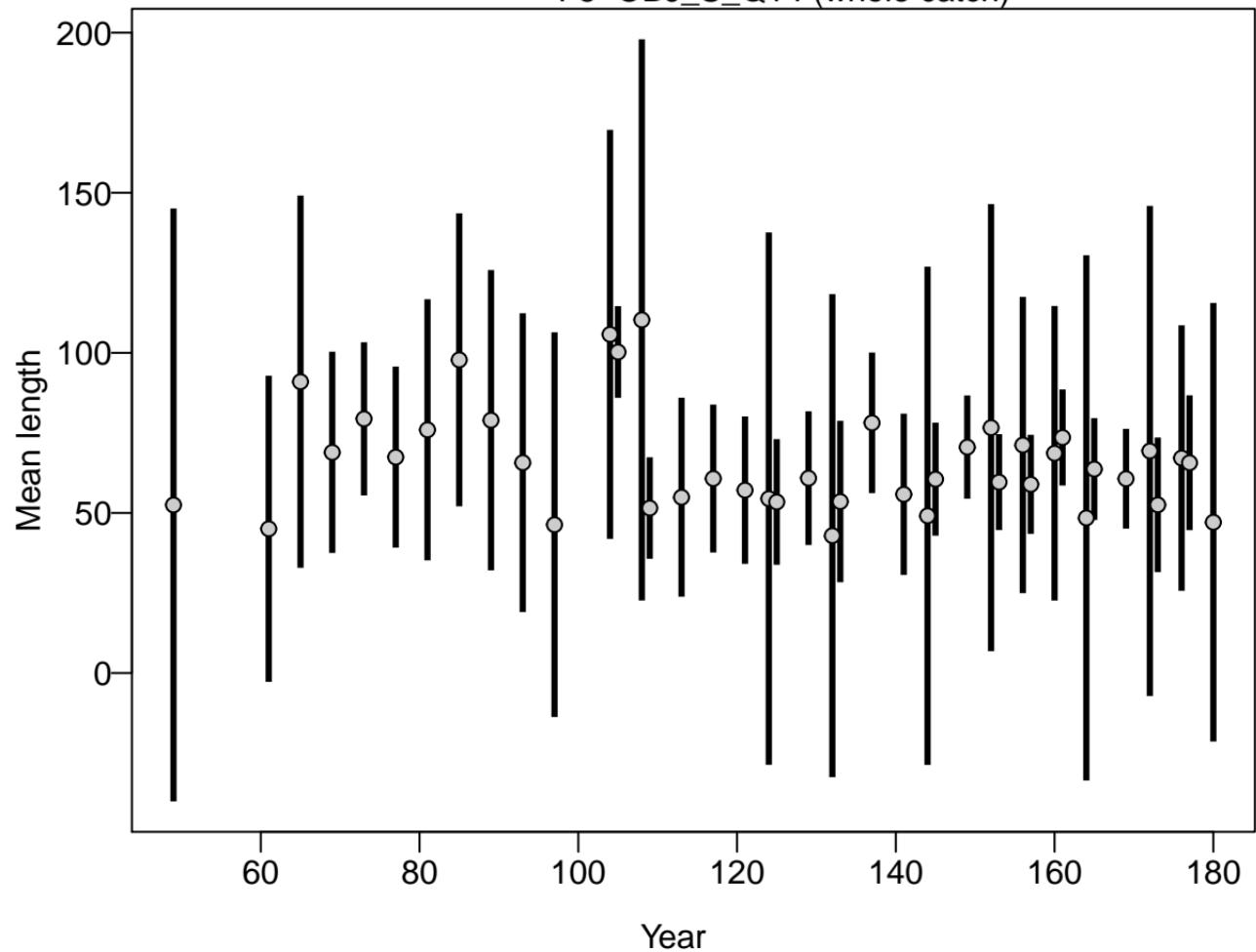


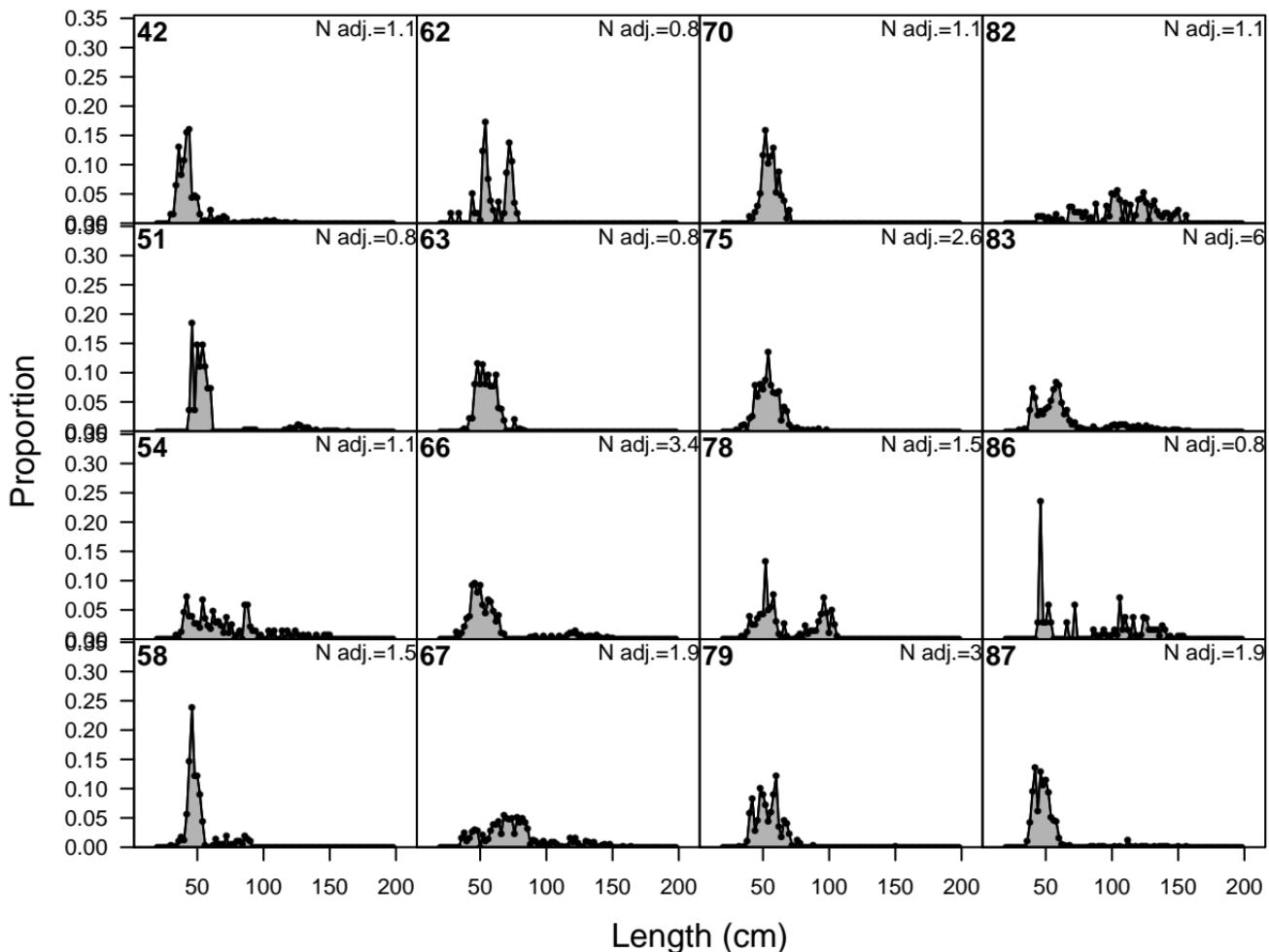


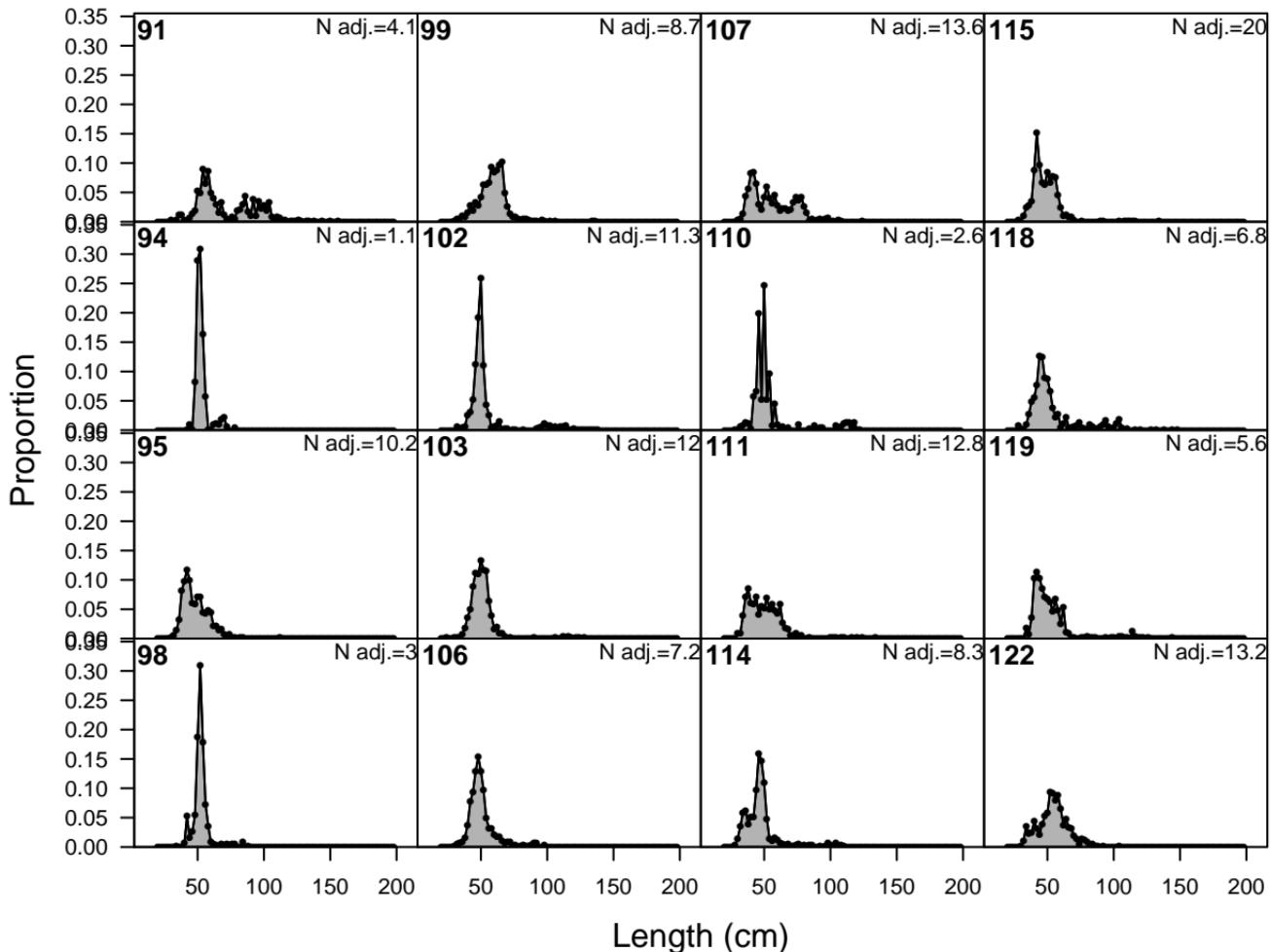


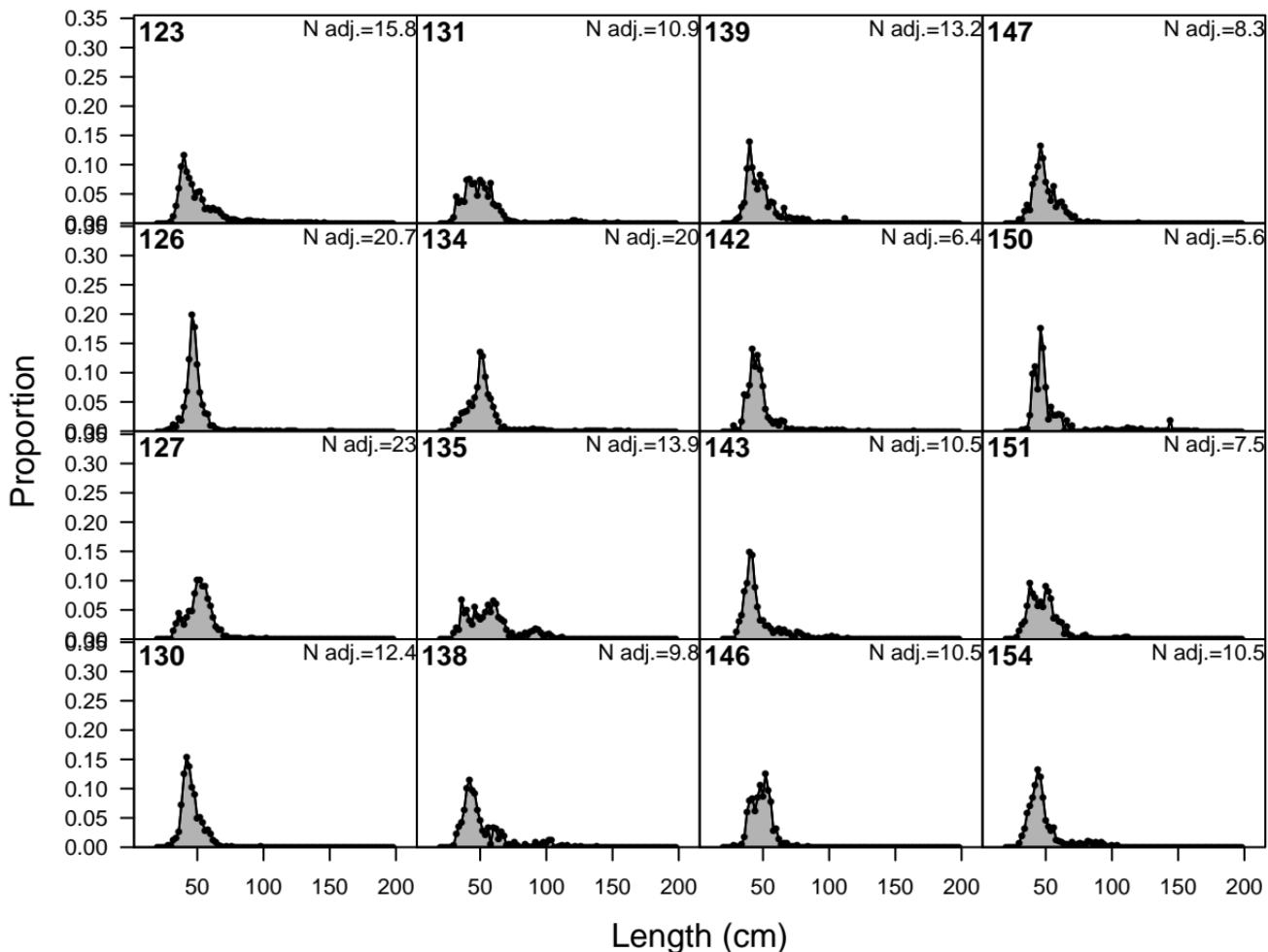


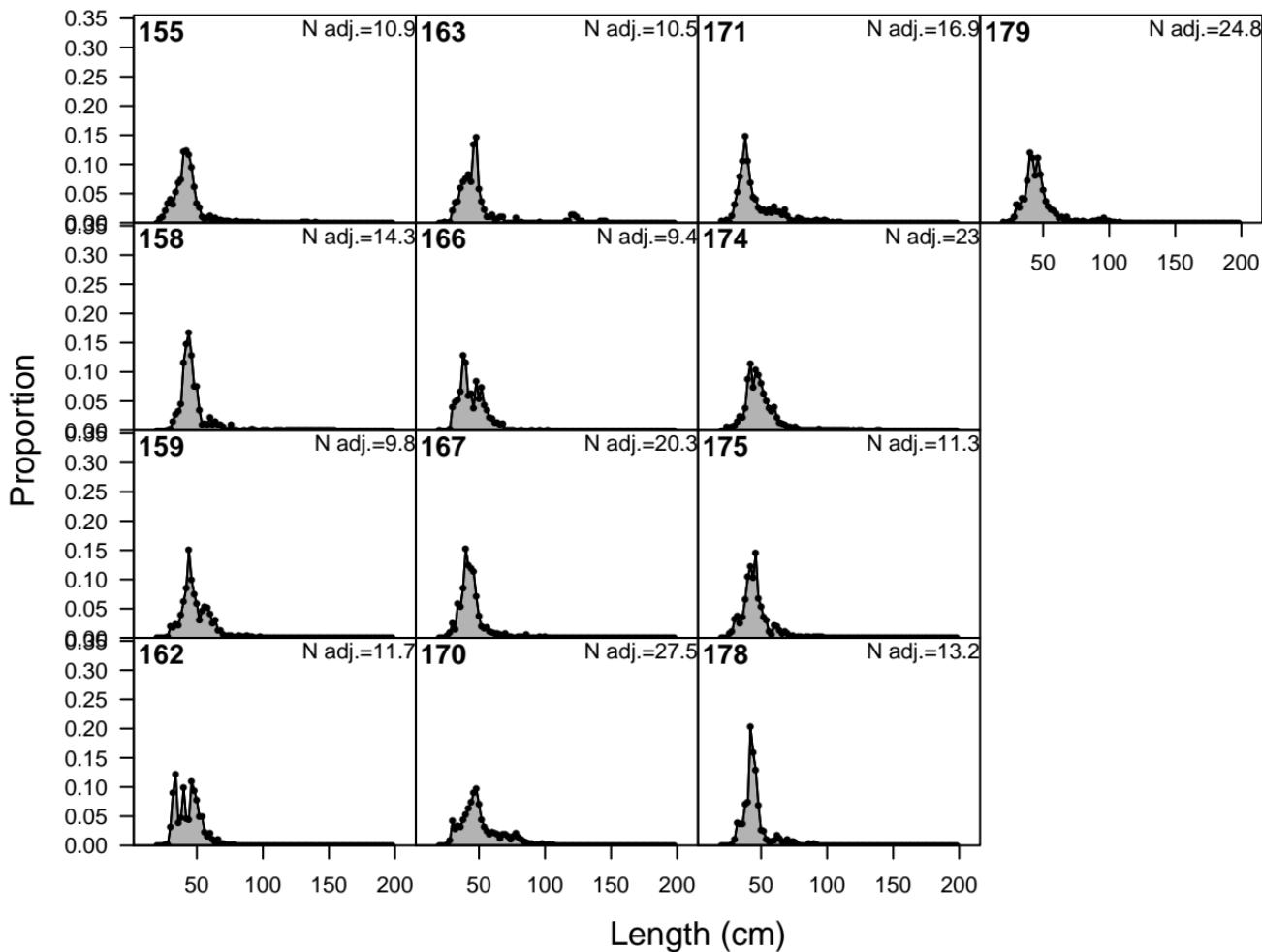
F5-OBJ_S_Q14 (whole catch)

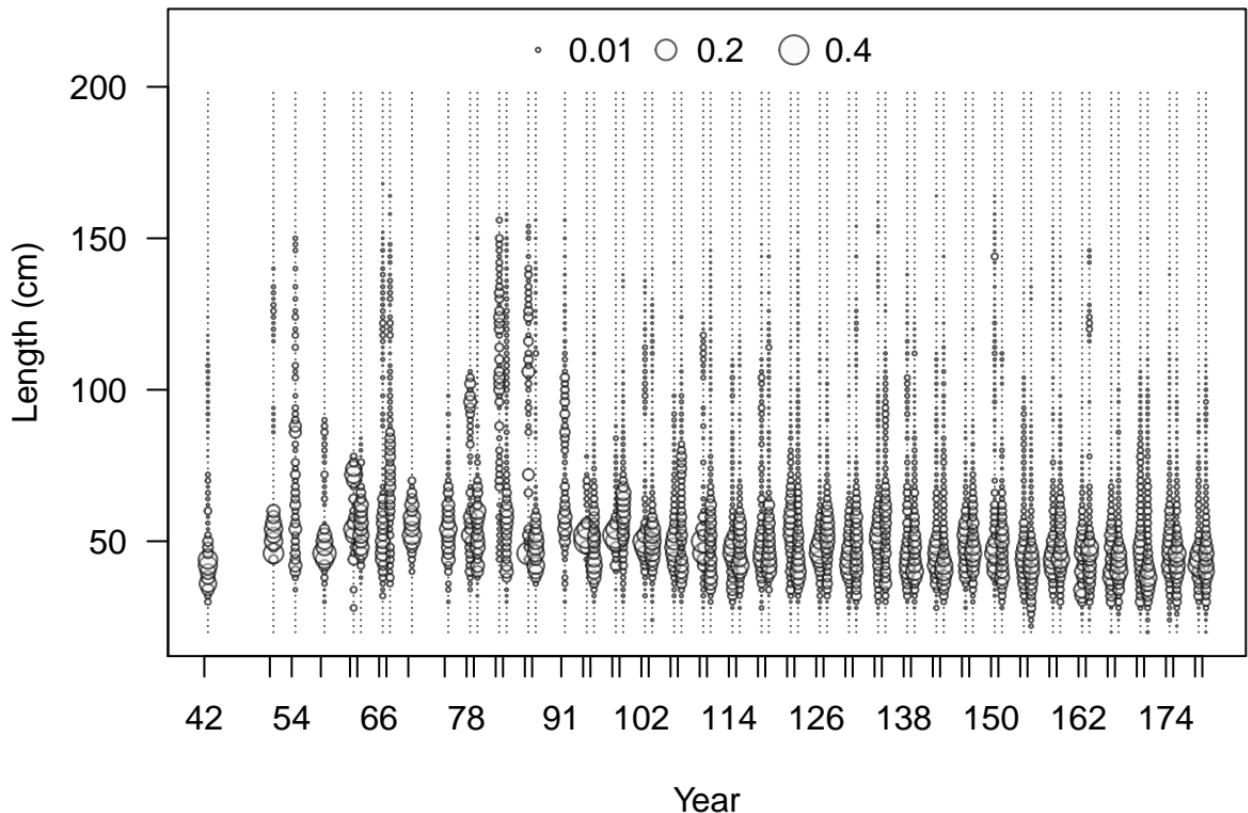




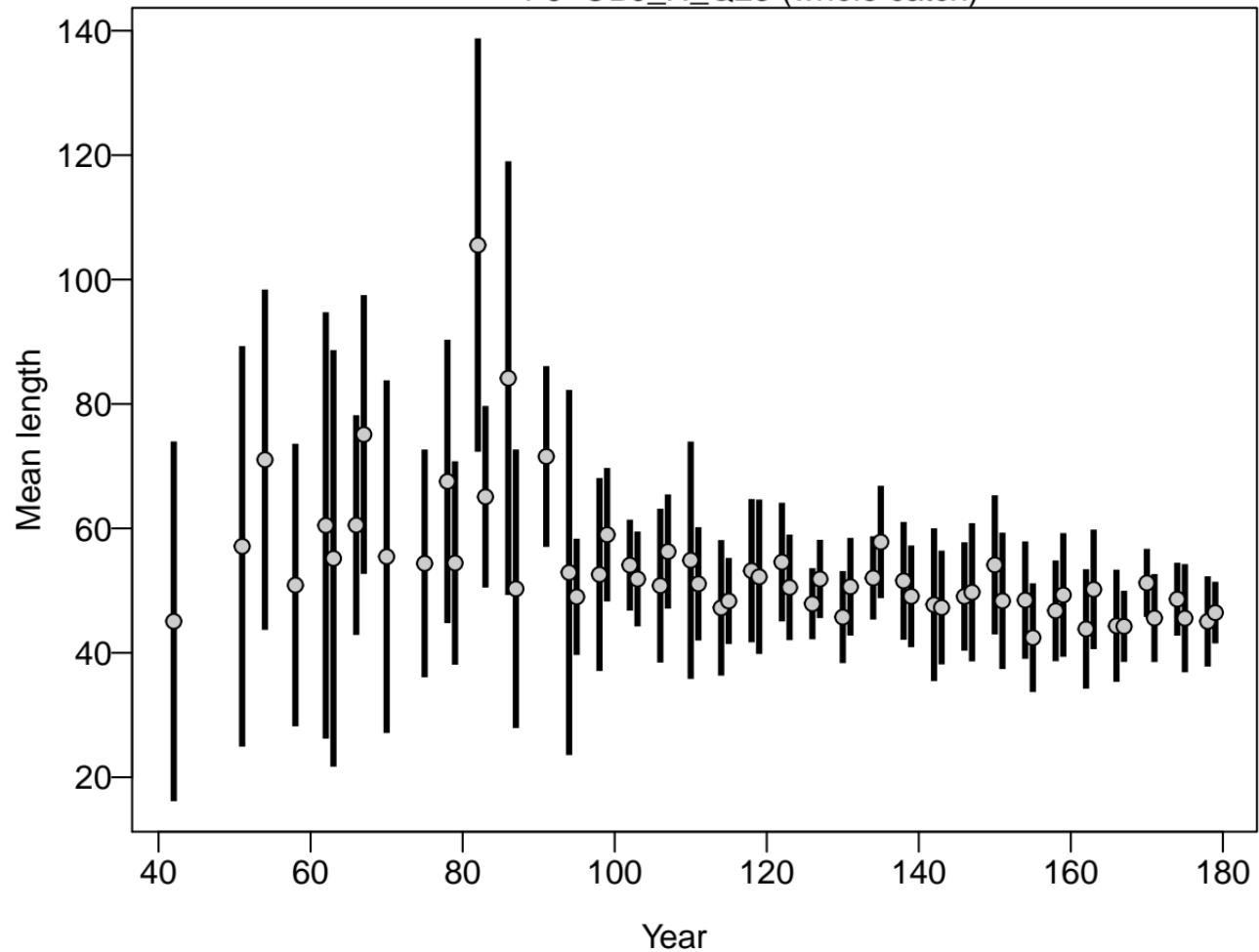




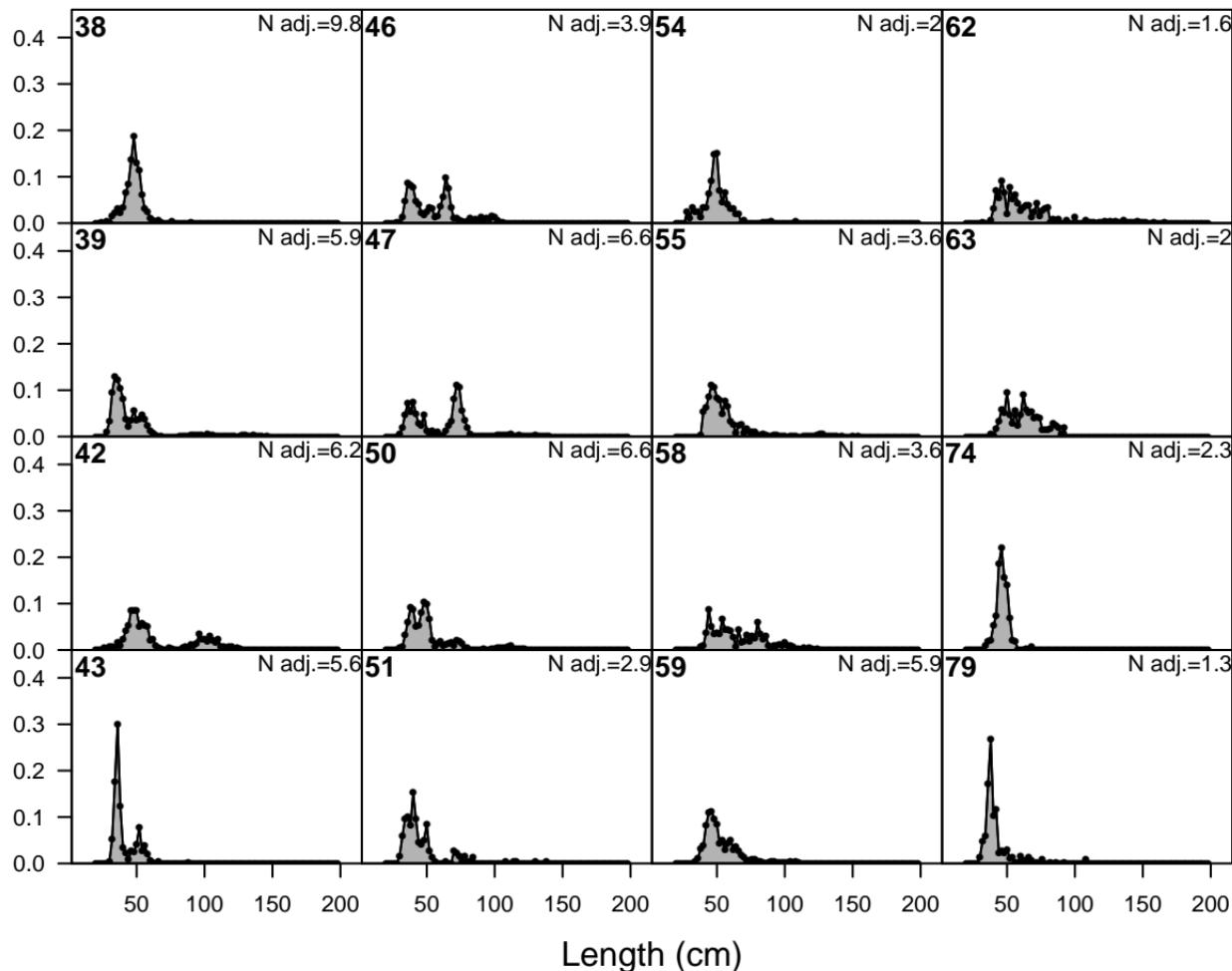




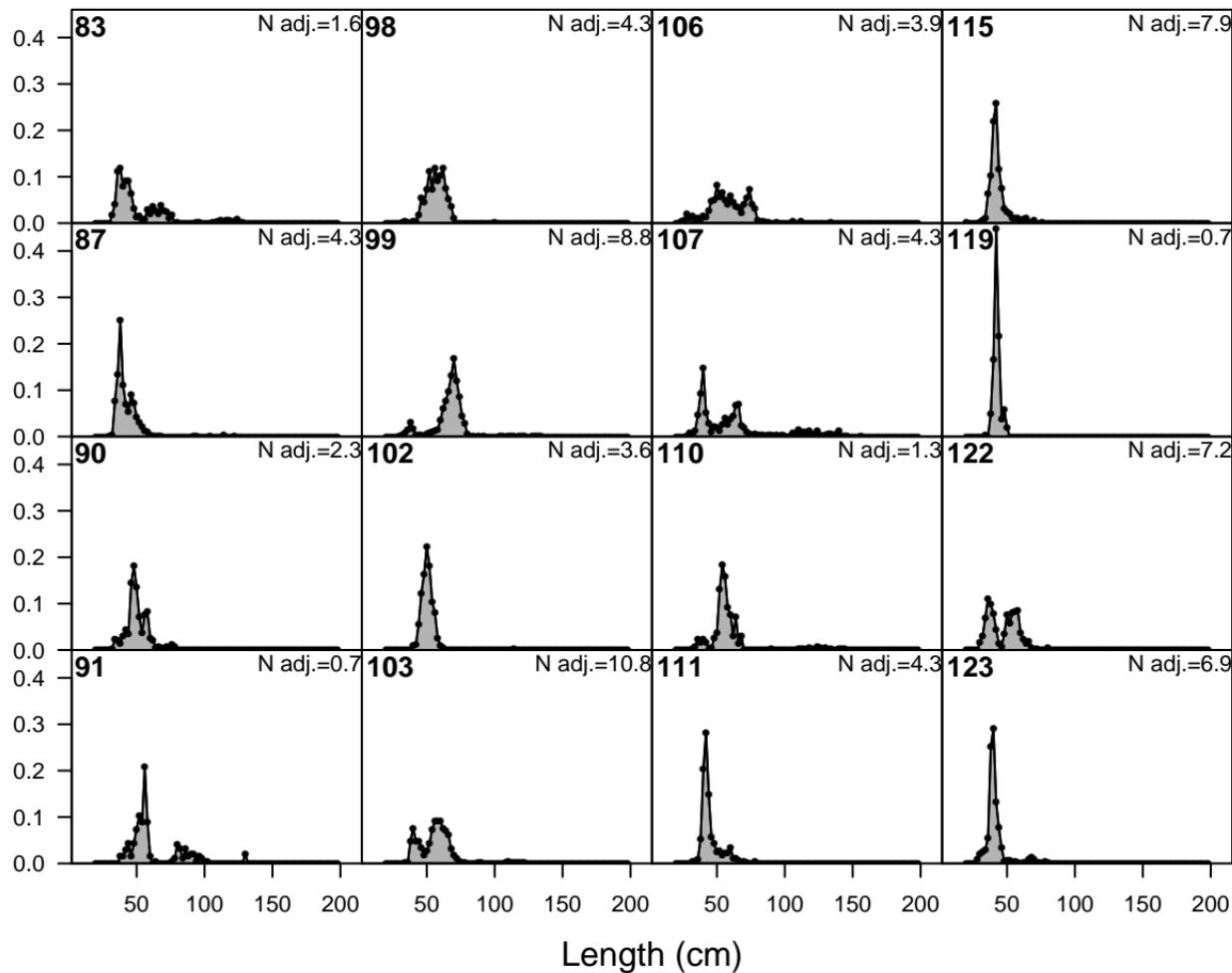
F6-OBJ_N_Q23 (whole catch)



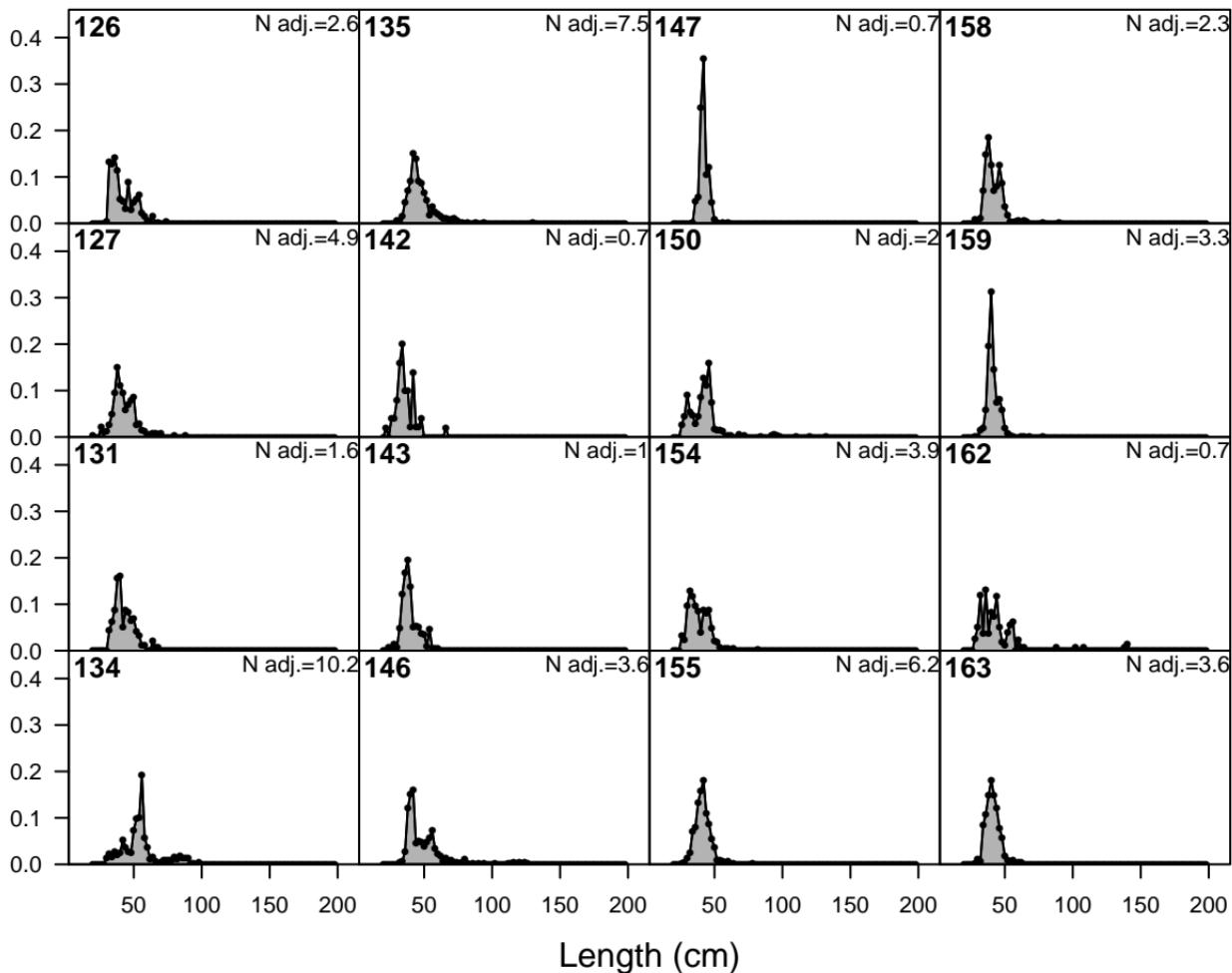
Proportion

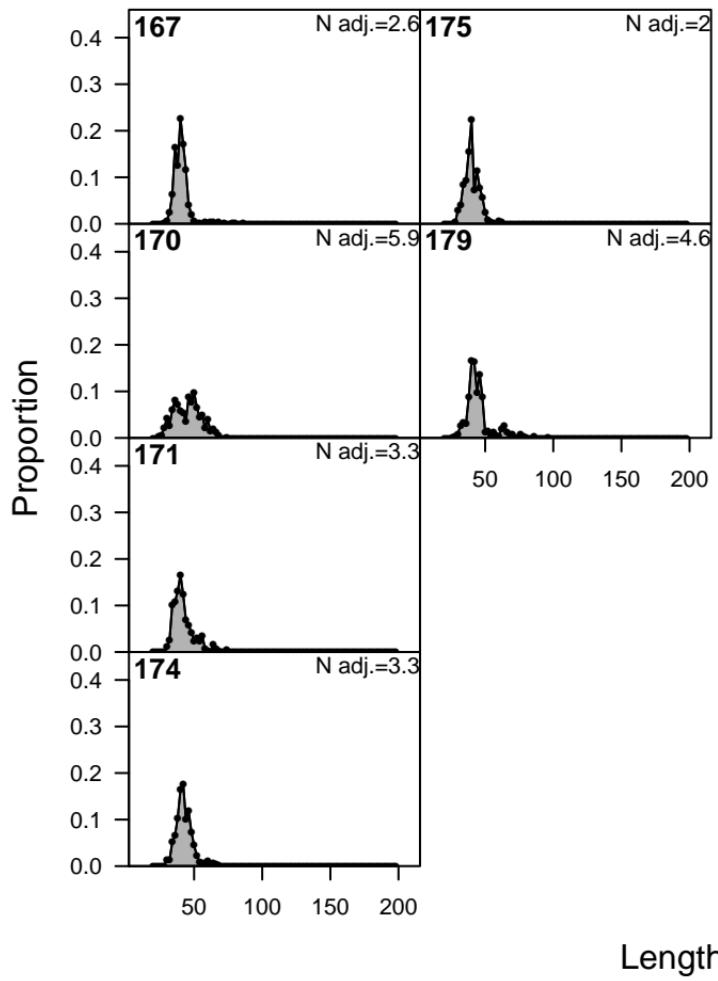


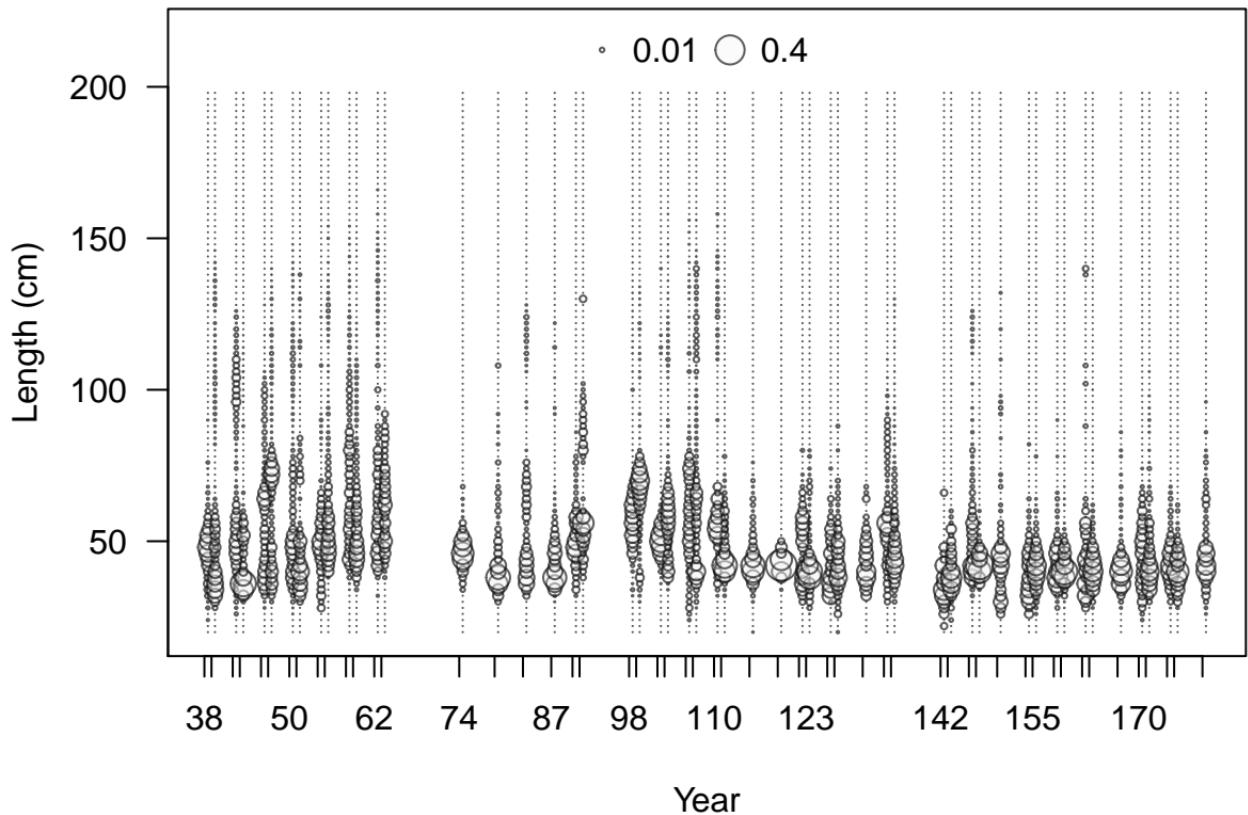
Proportion



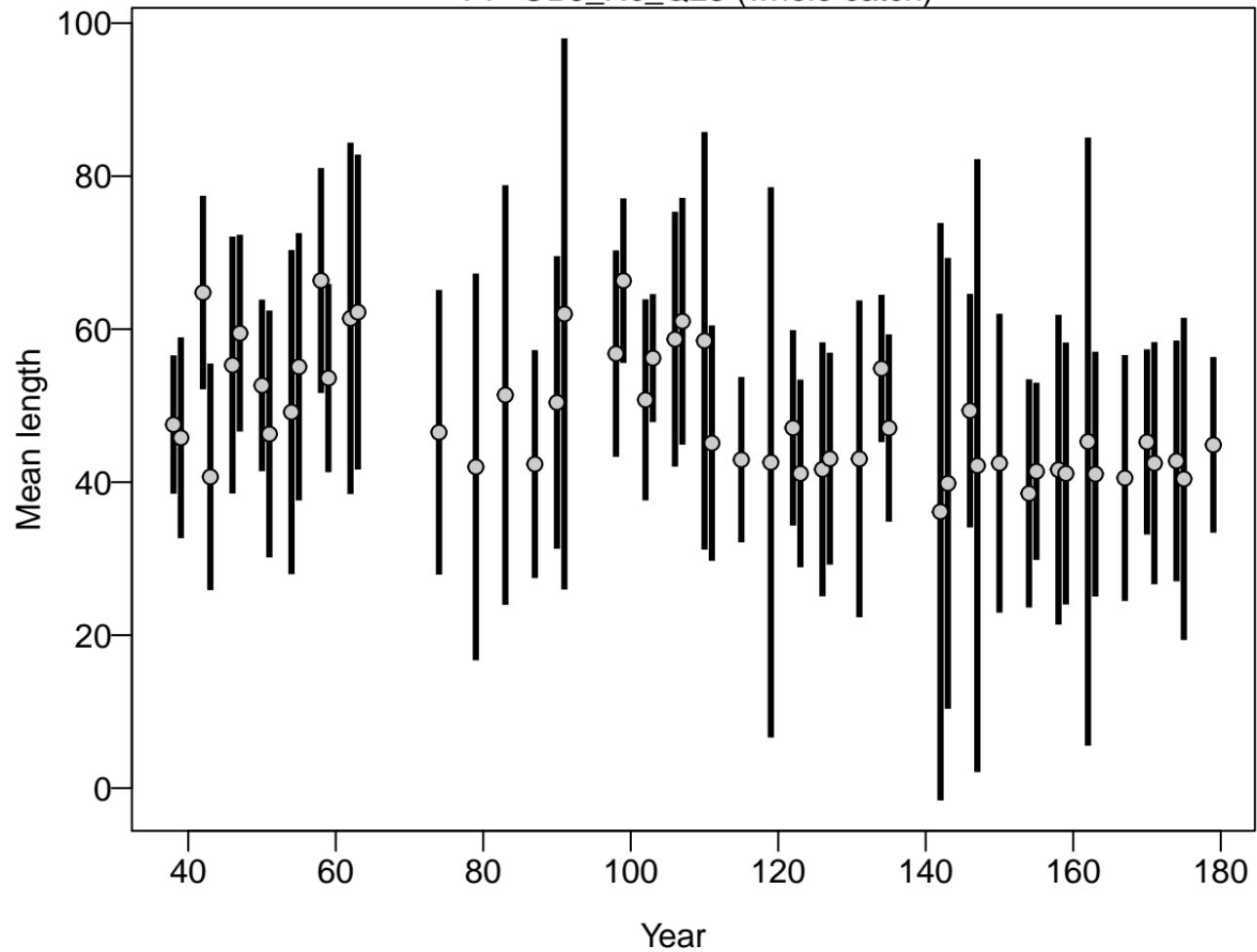
Proportion



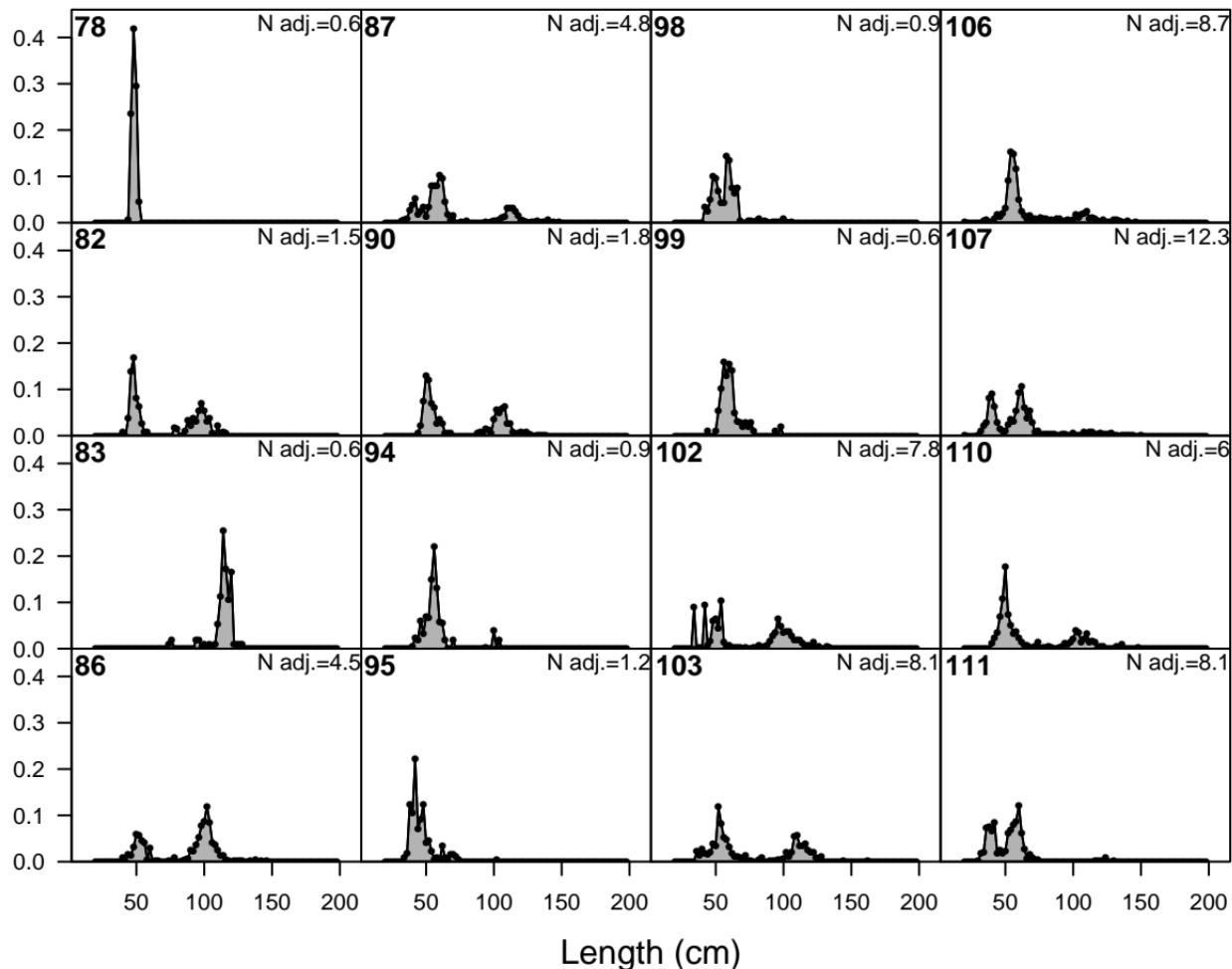




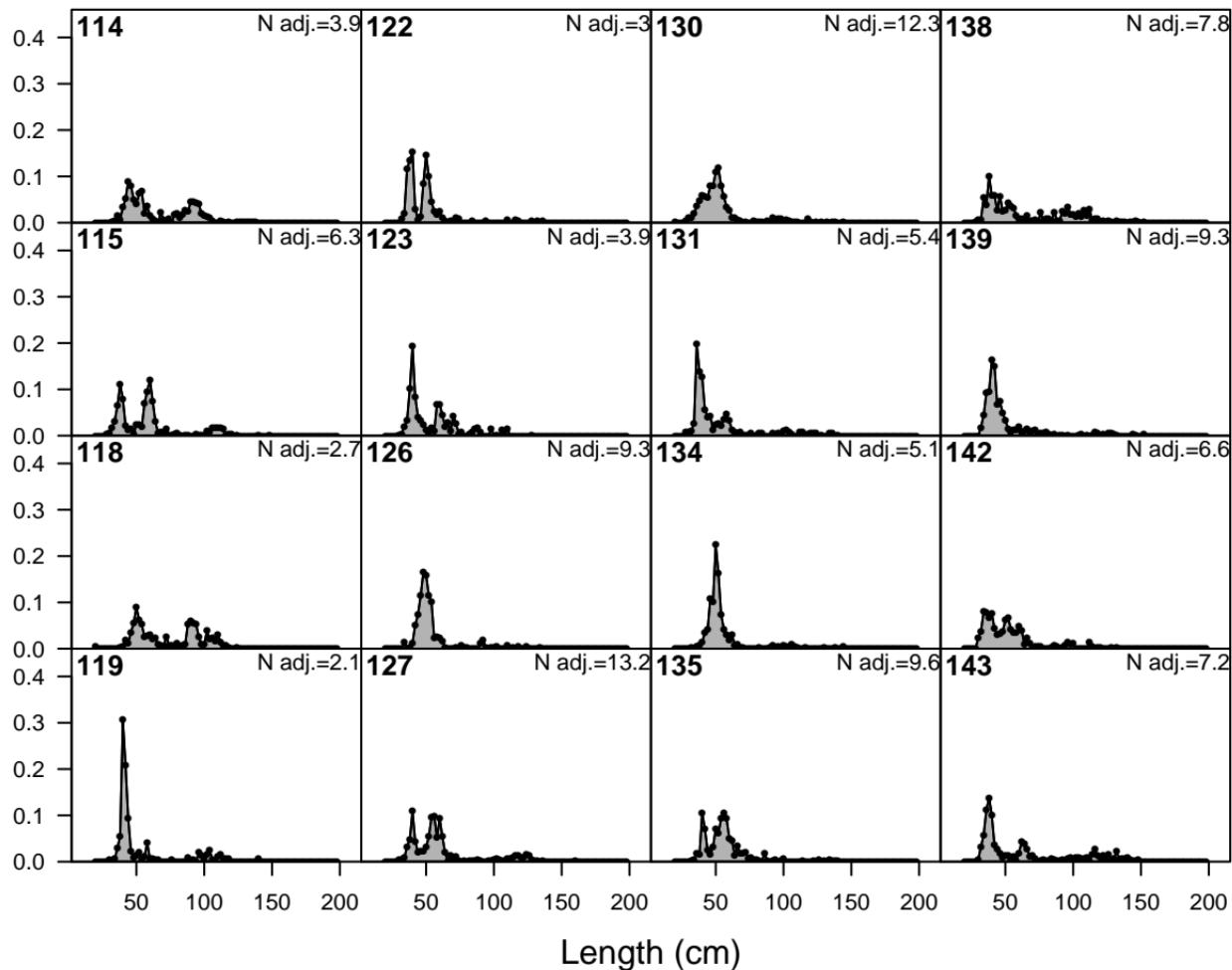
F7-OBJ_Nc_Q23 (whole catch)



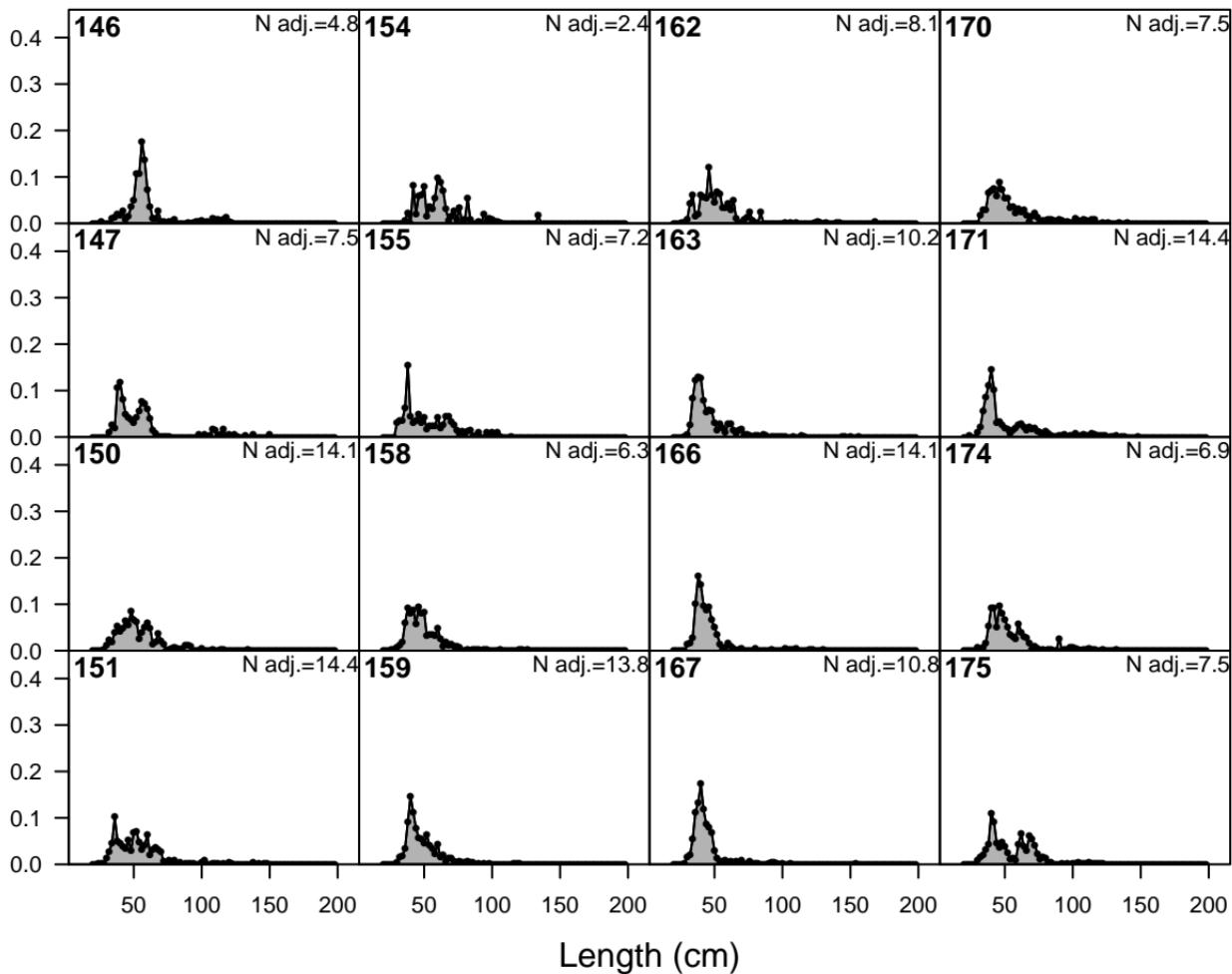
Proportion



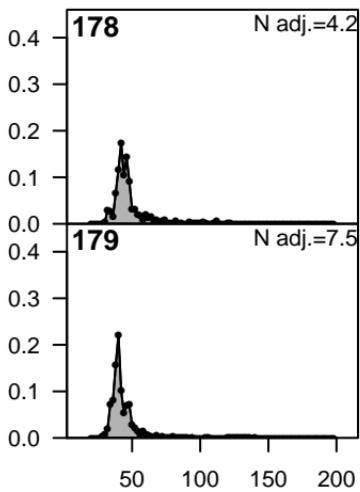
Proportion



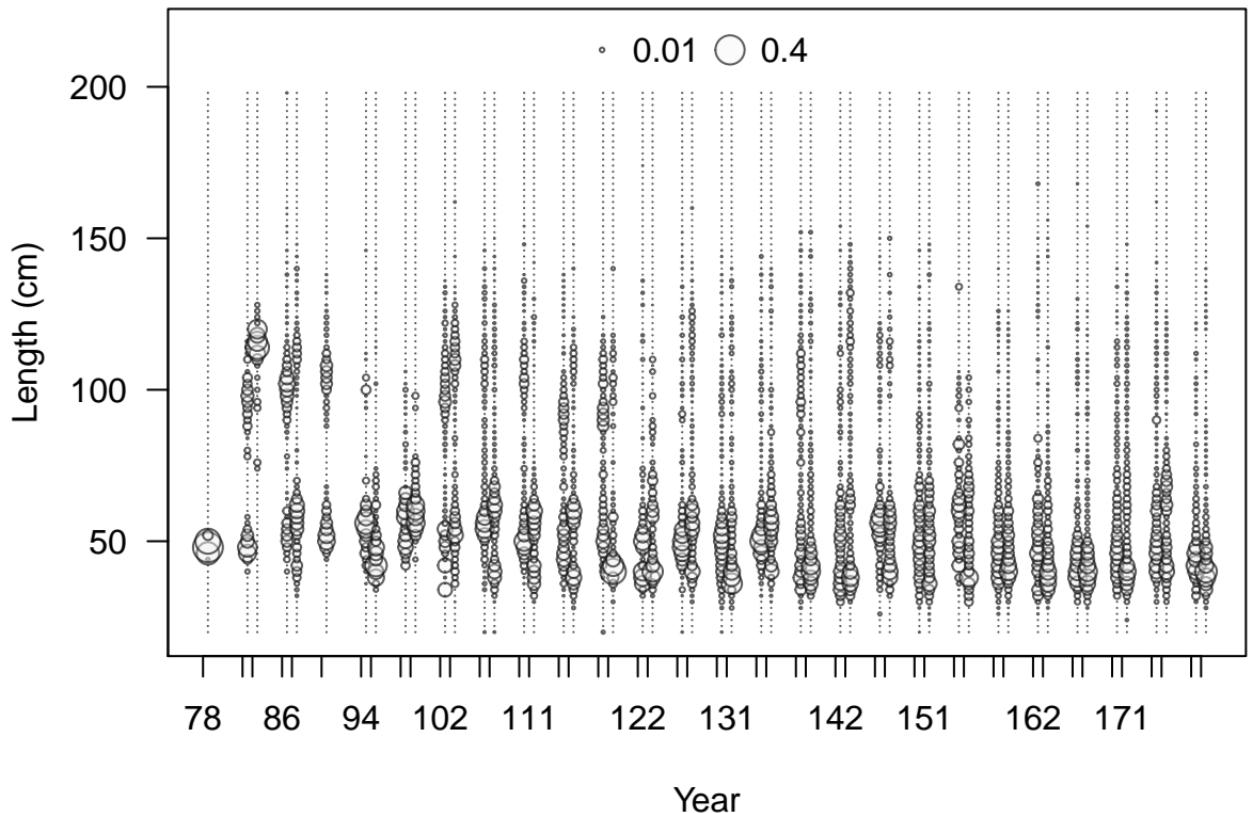
Proportion



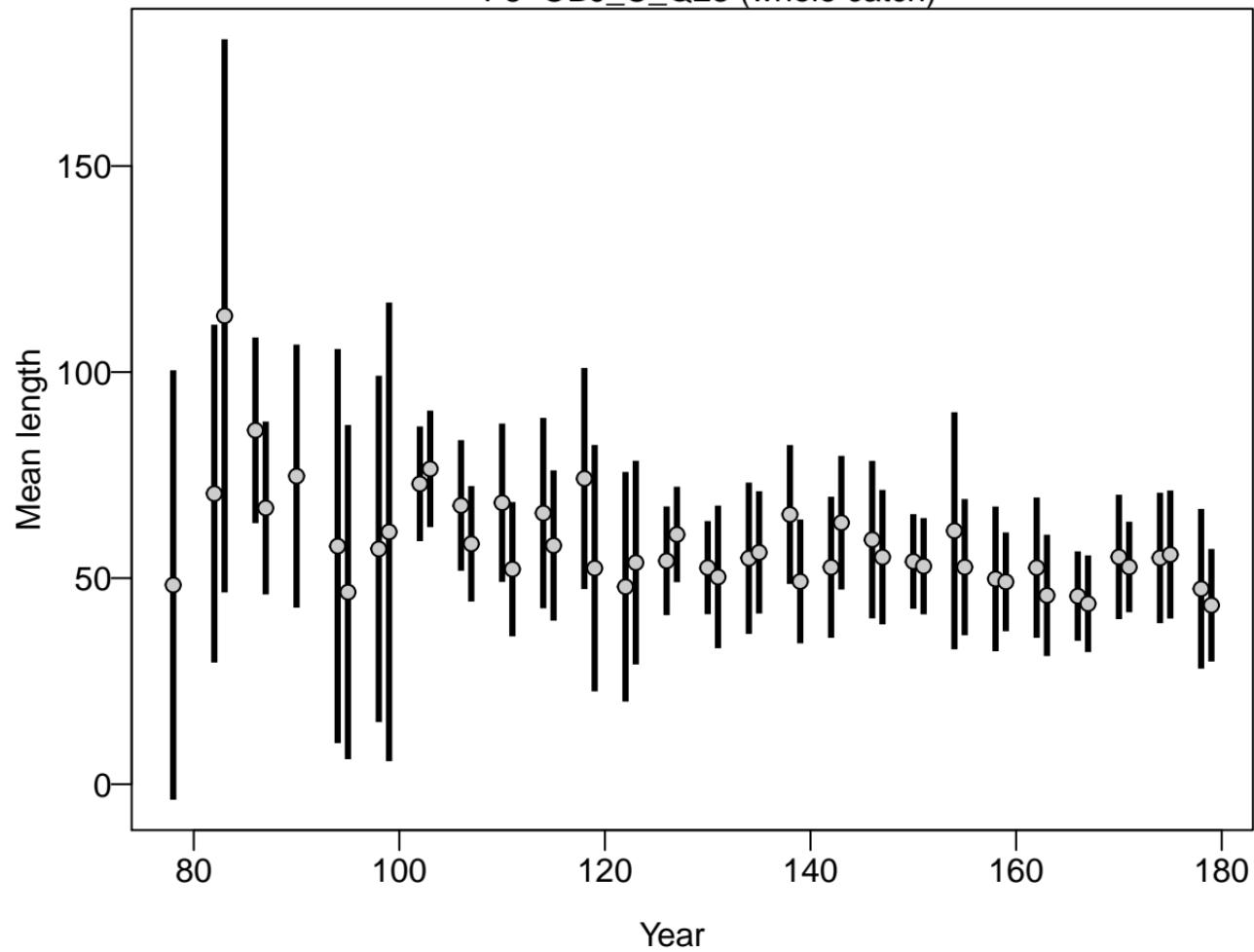
Proportion



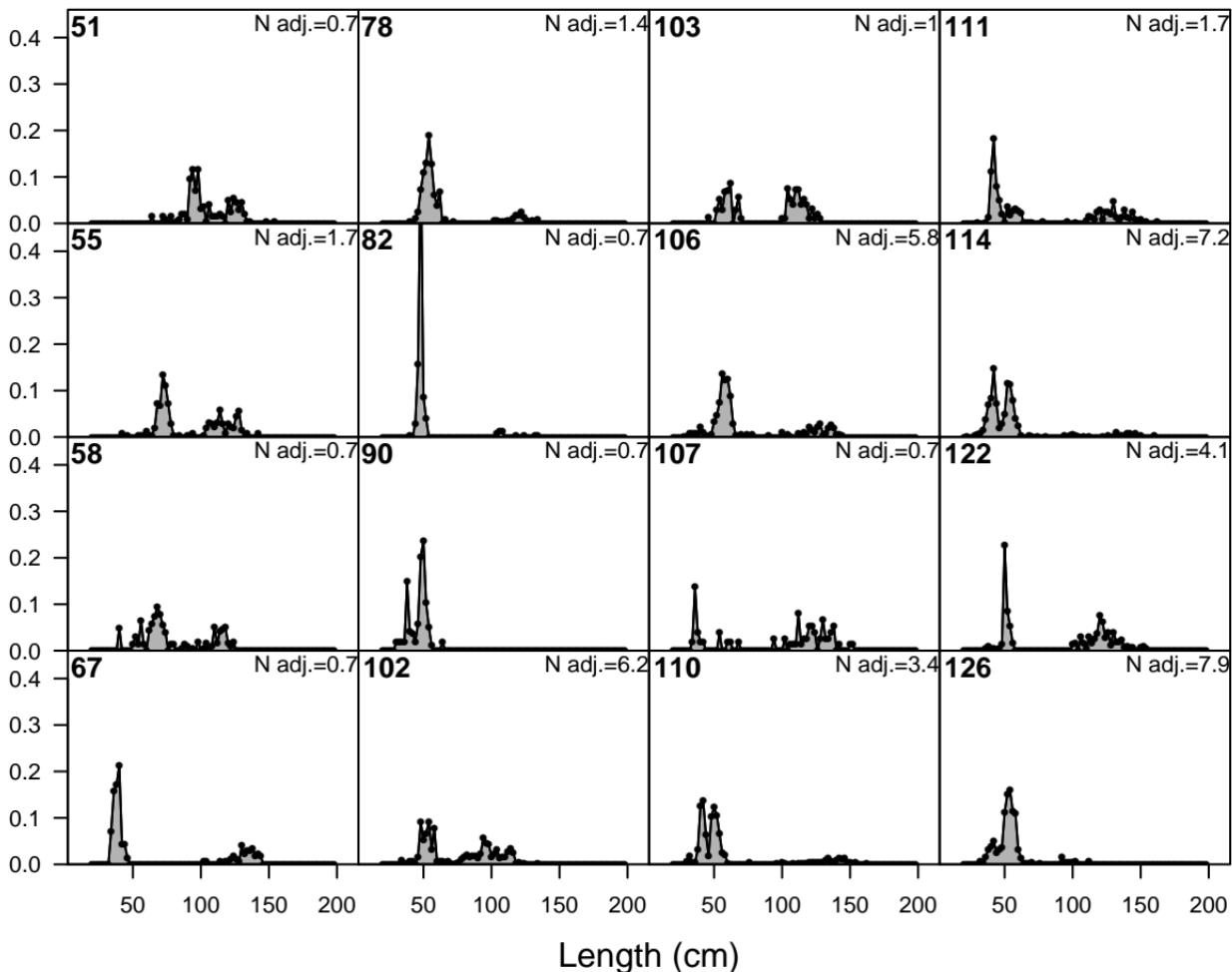
Length (cm)



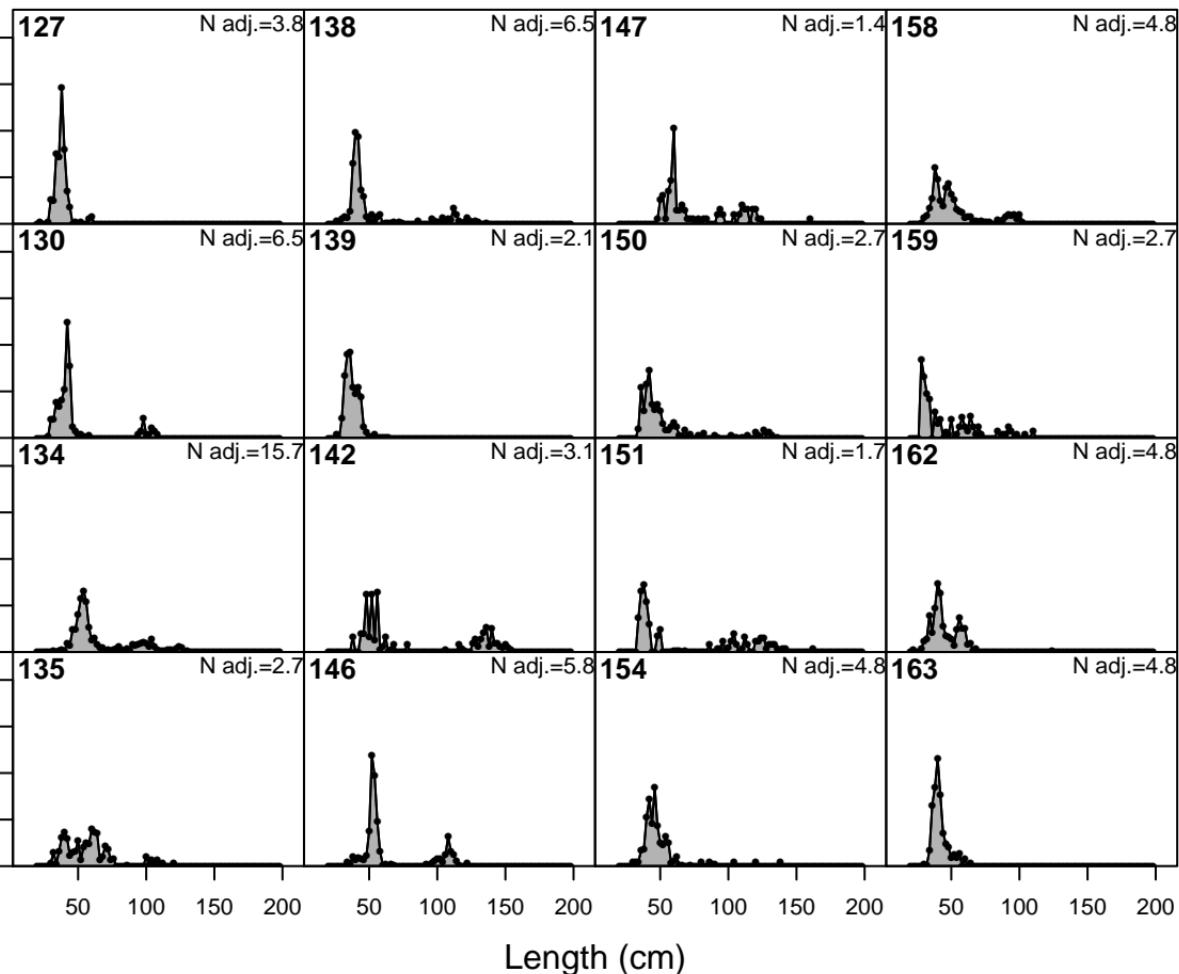
F8-OBJ_C_Q23 (whole catch)

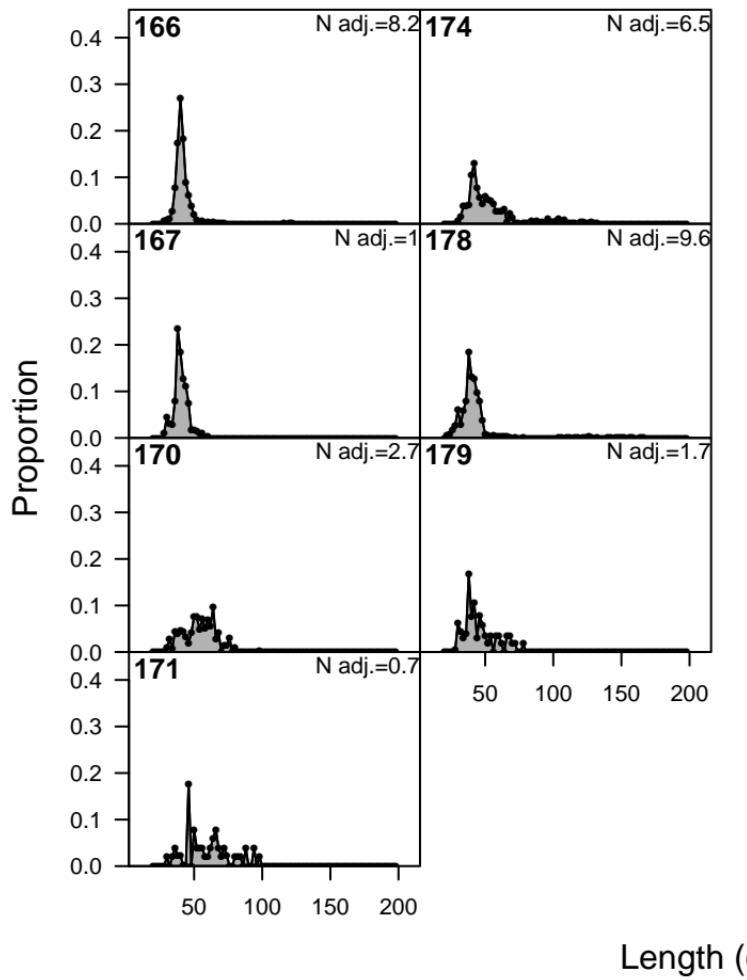


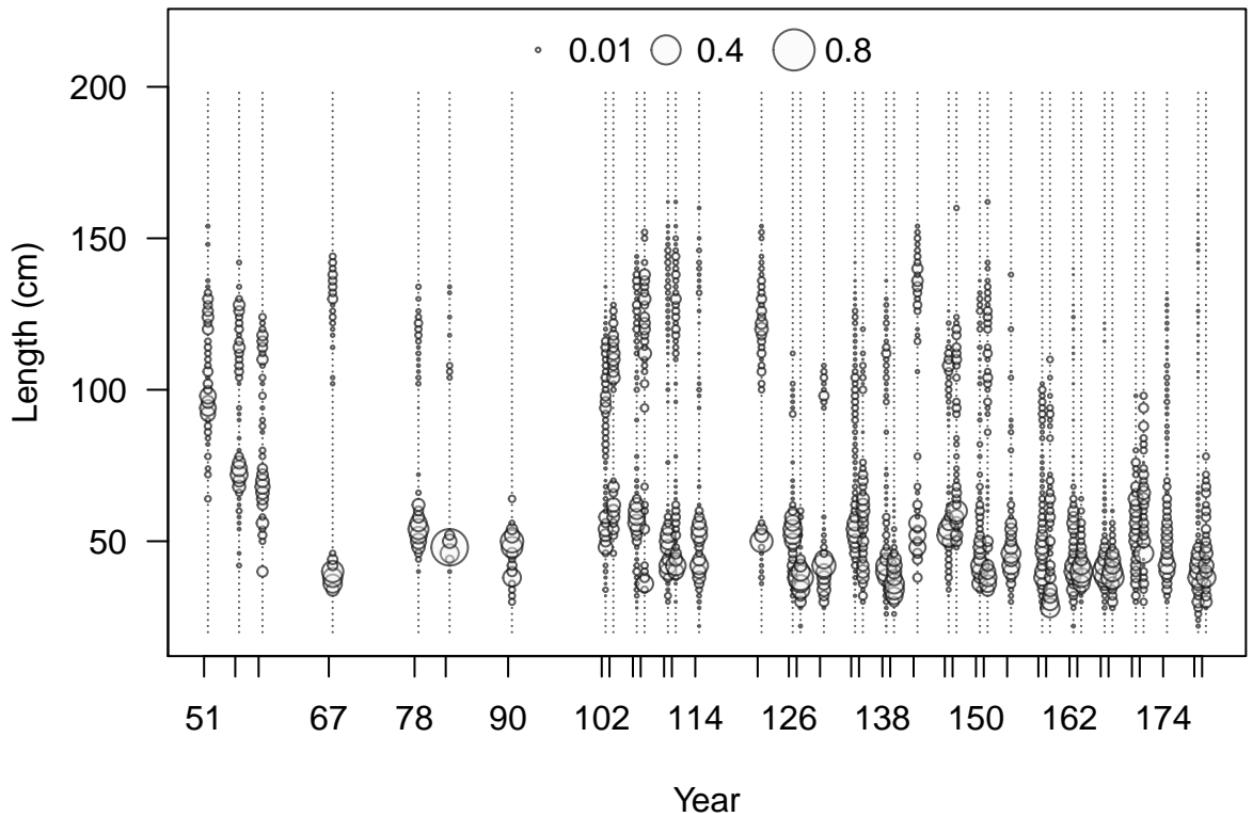
Proportion



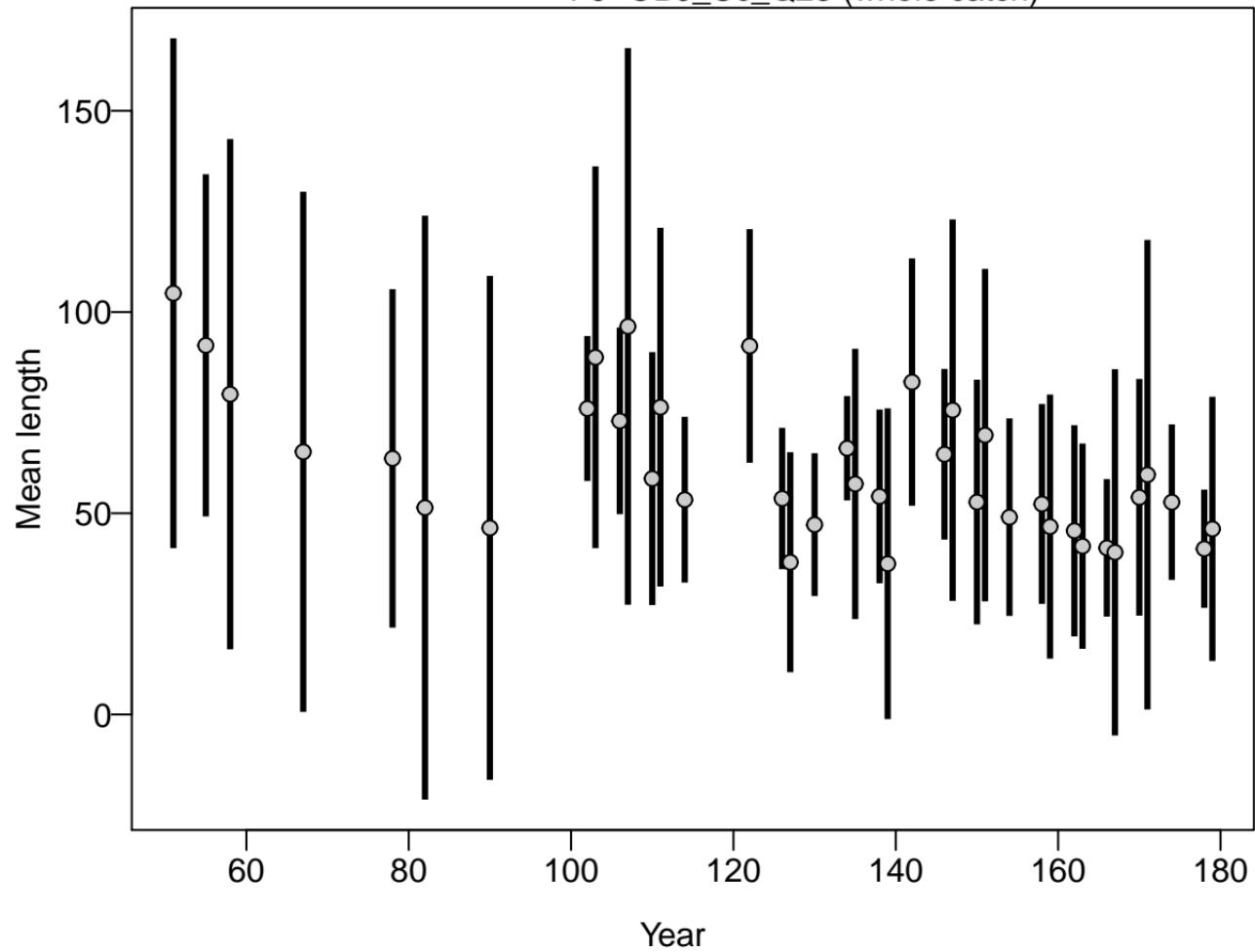
Proportion

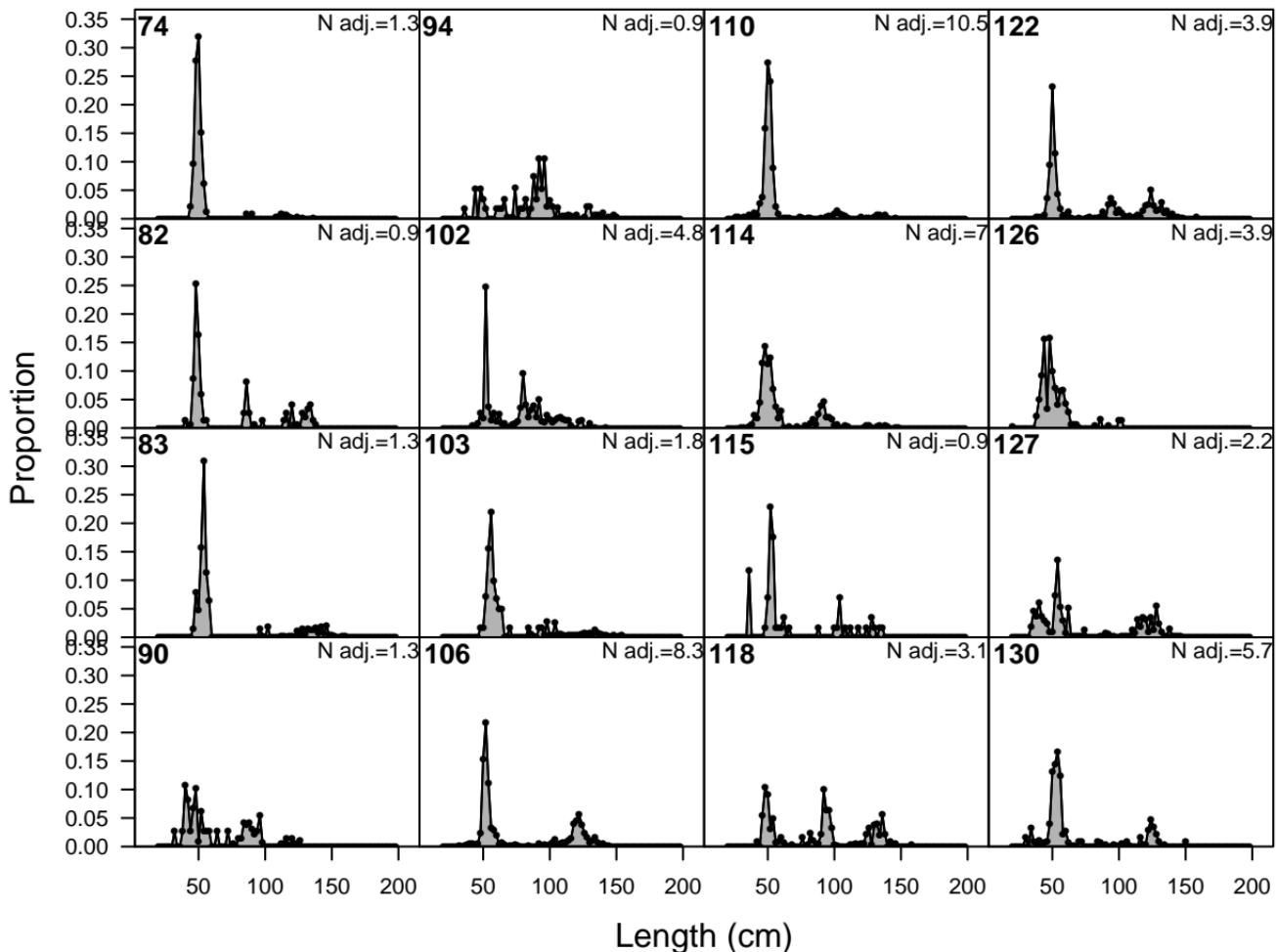


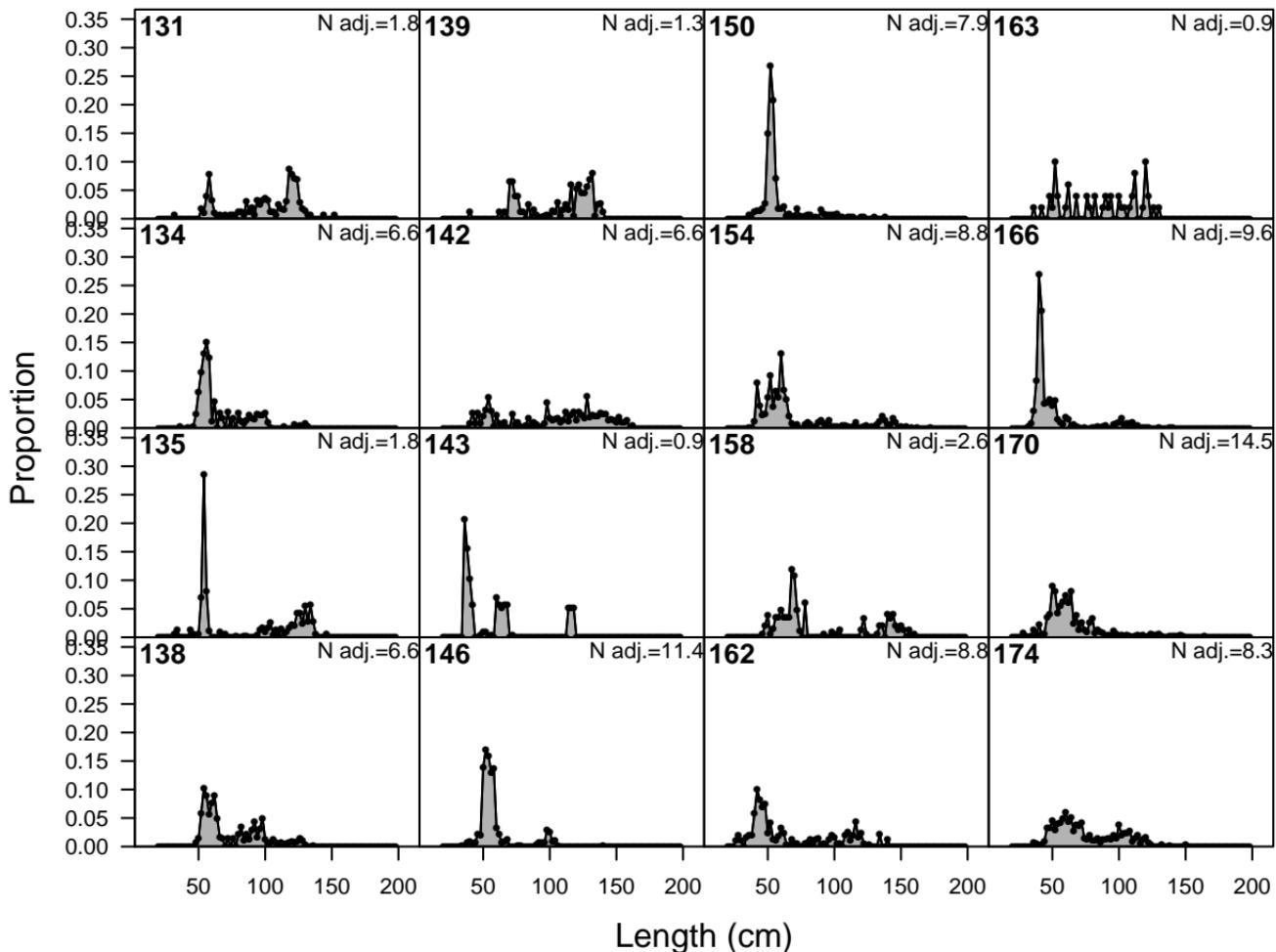


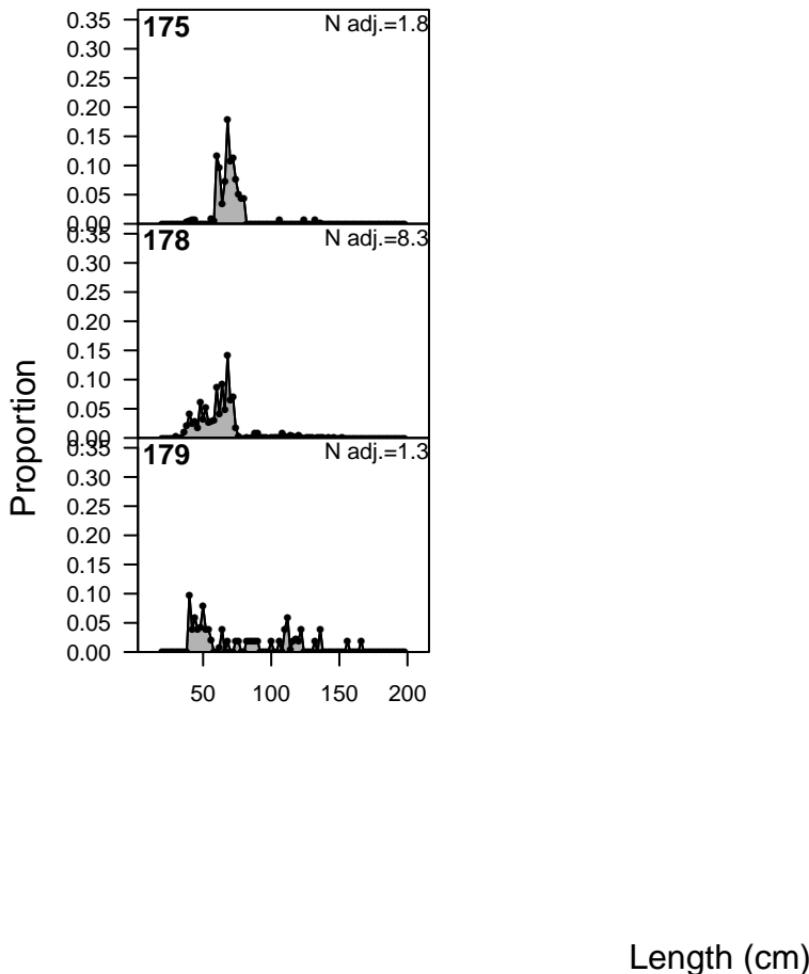


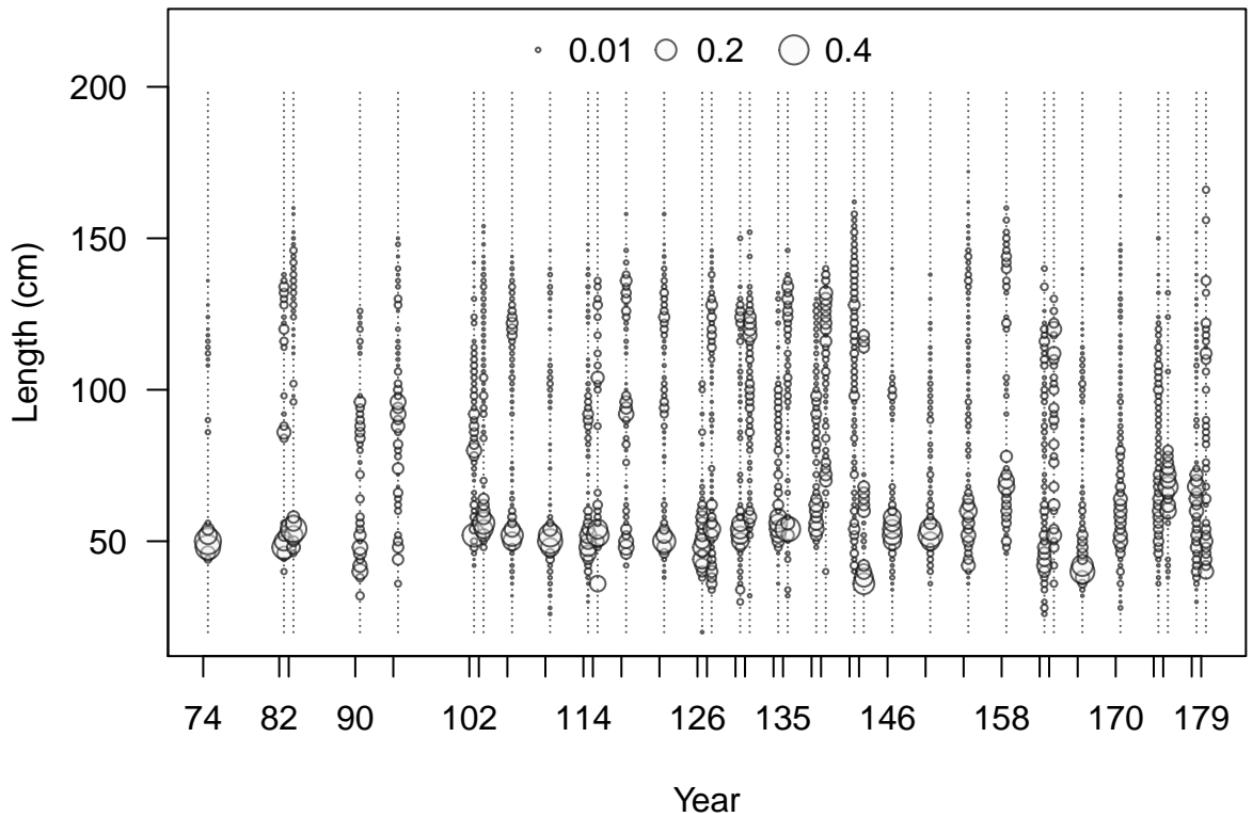
F9-OBJ_Cc_Q23 (whole catch)



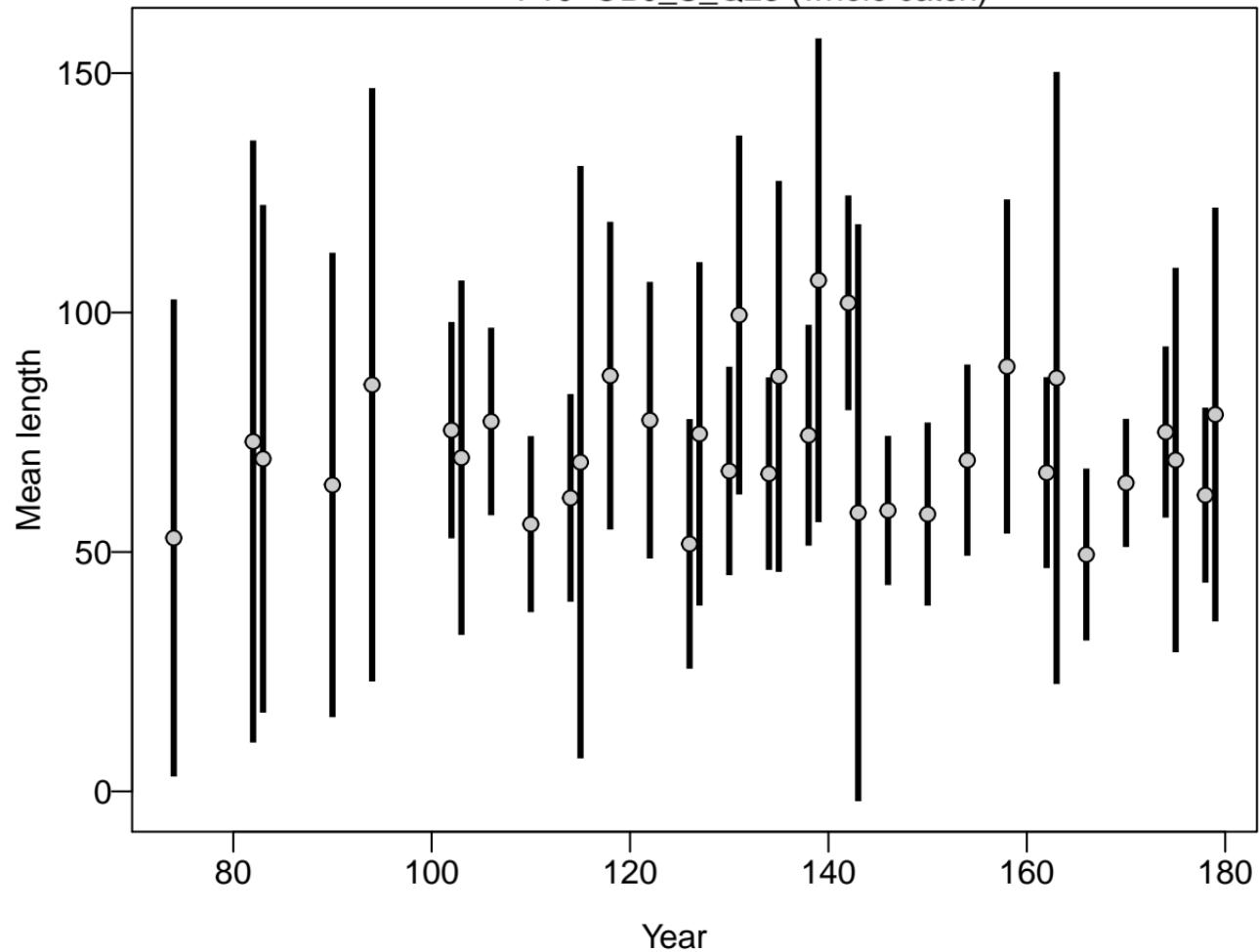


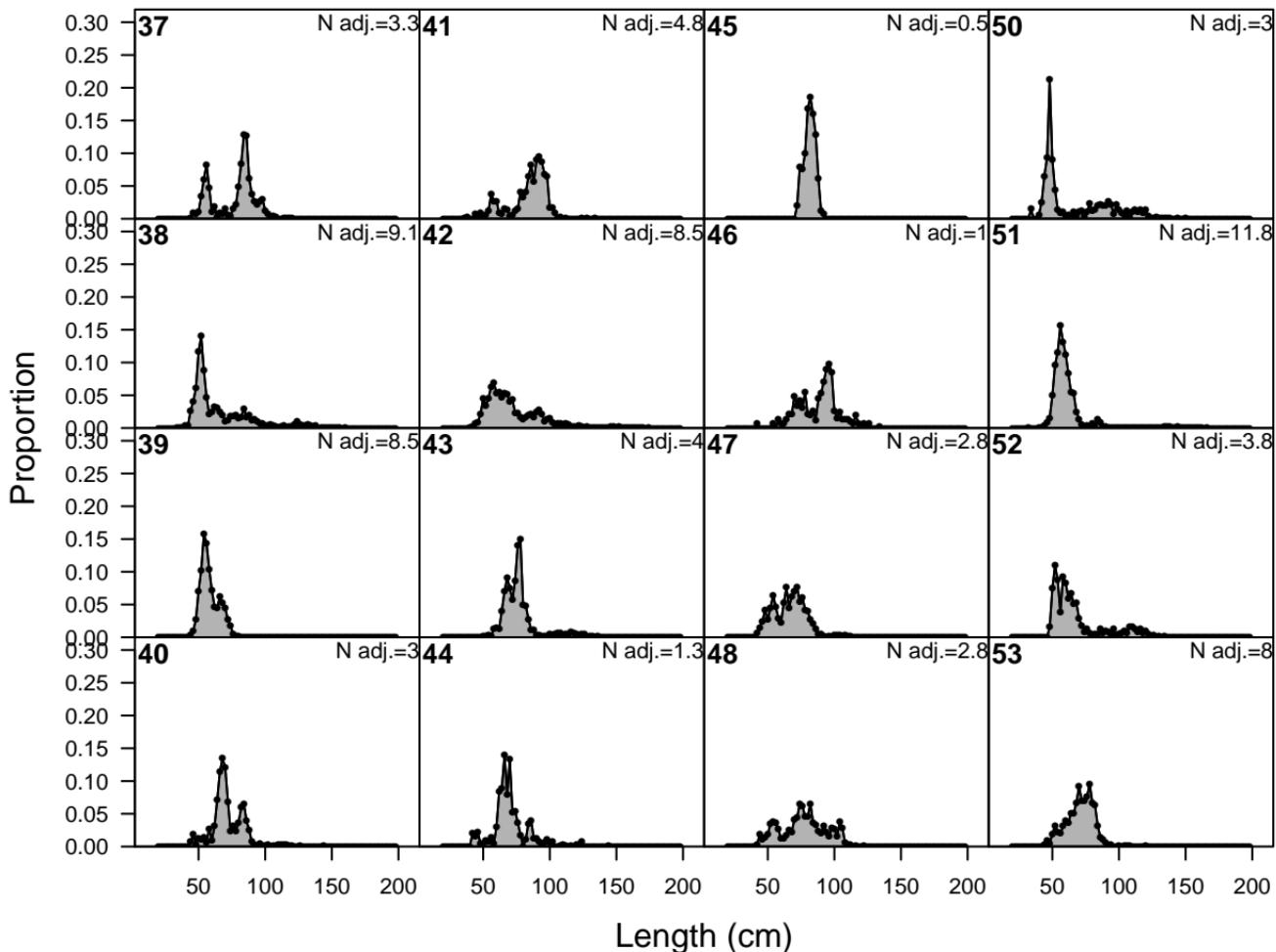


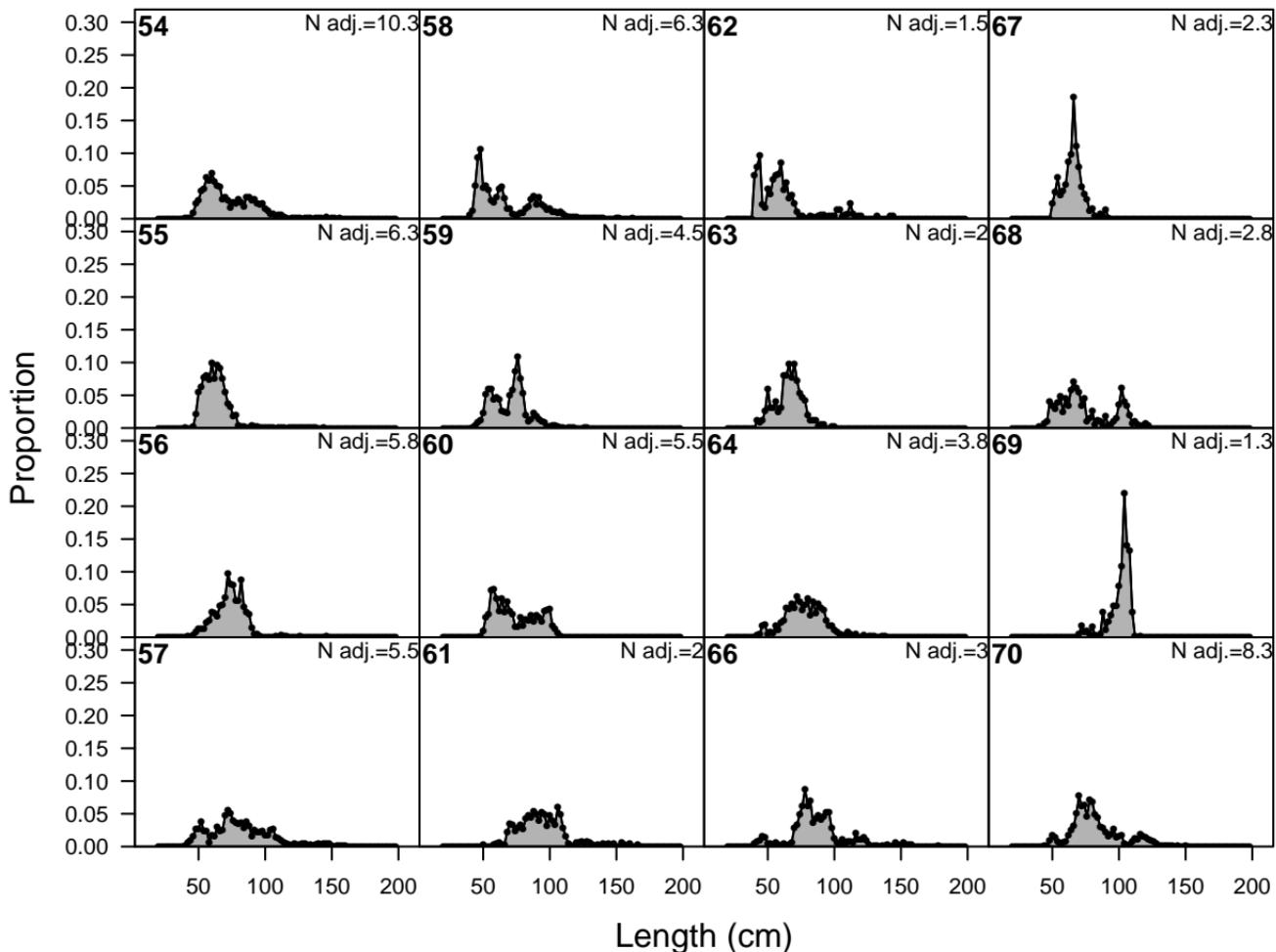


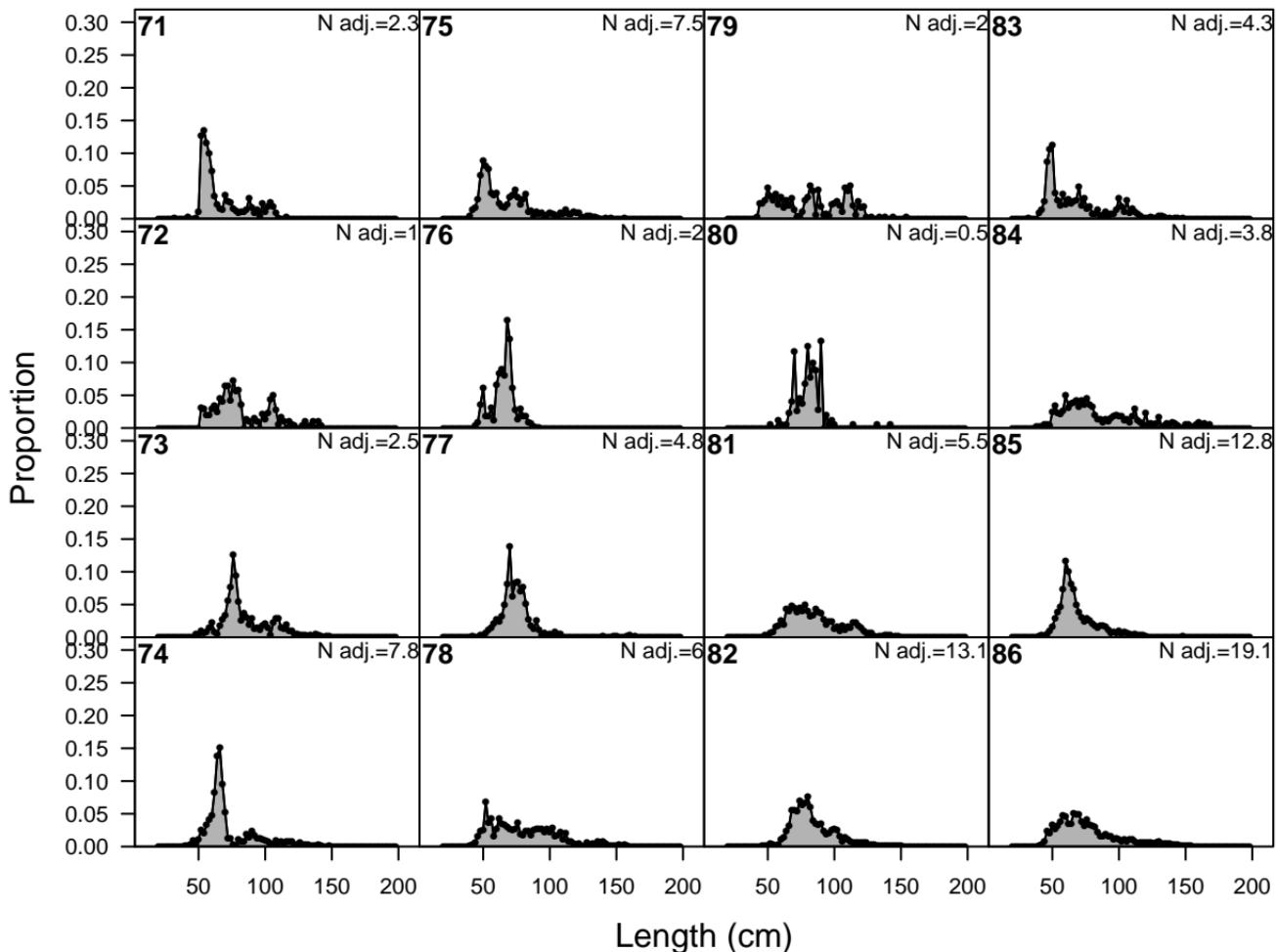


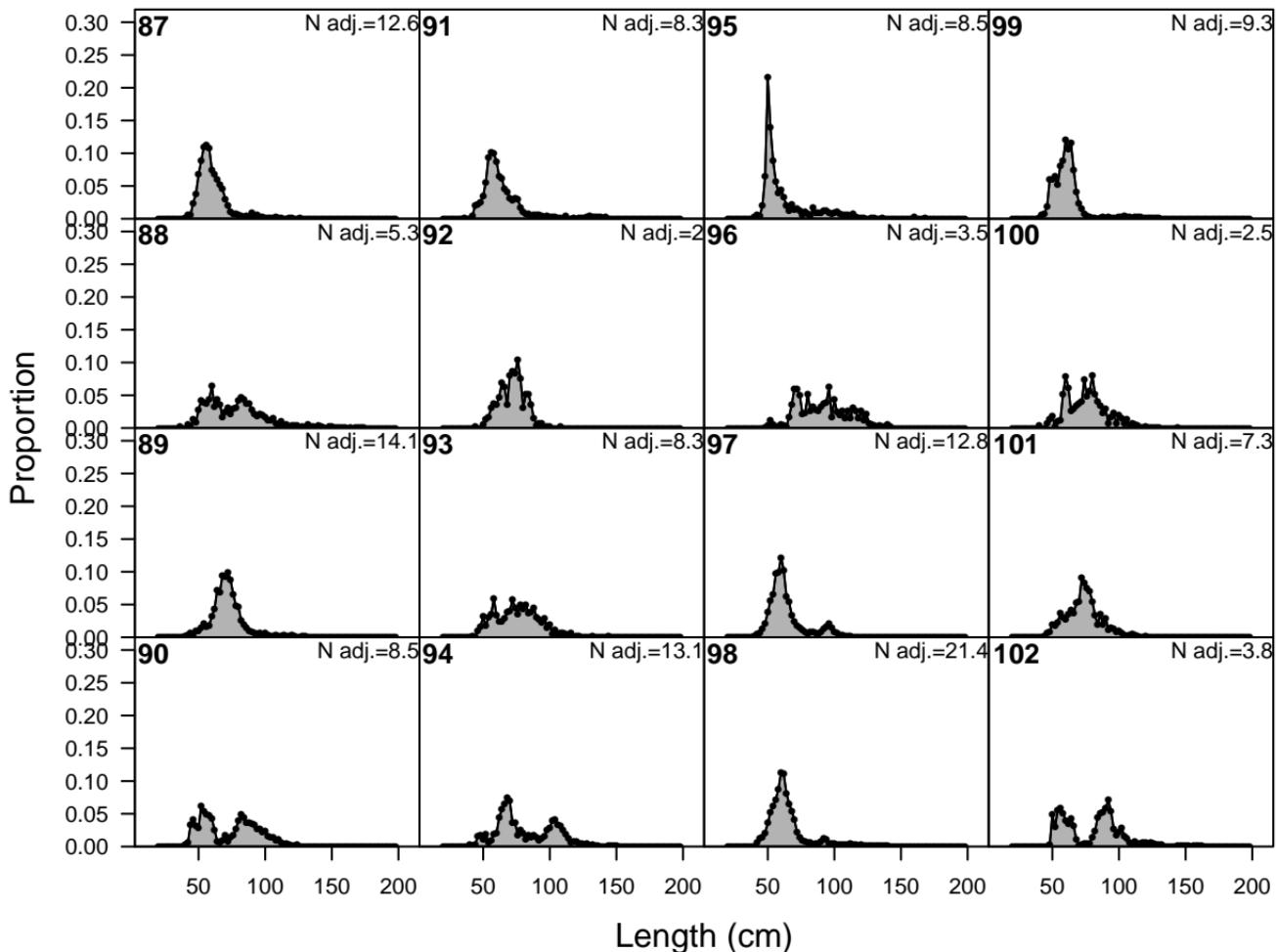
F10-OBJ_S_Q23 (whole catch)

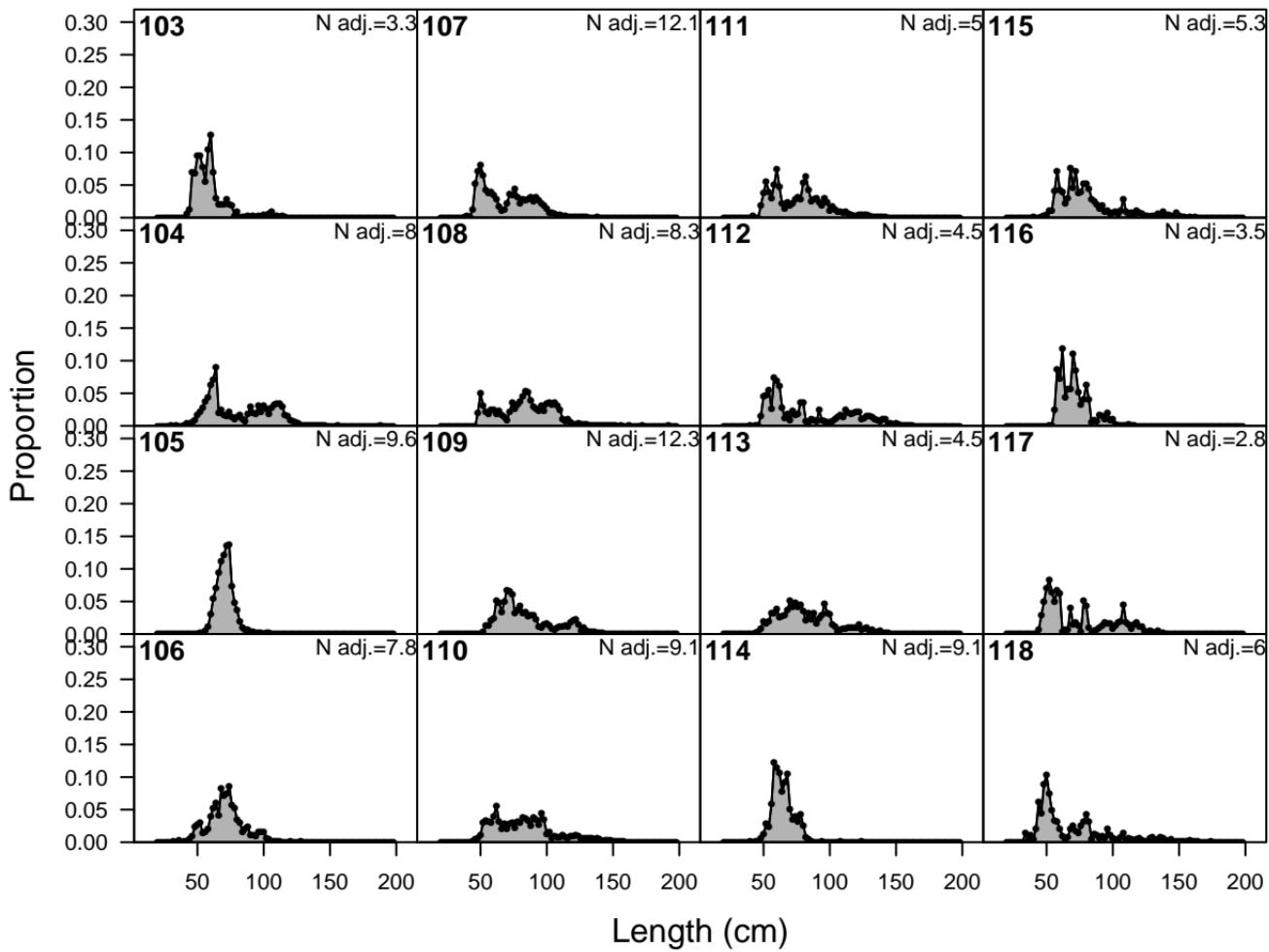


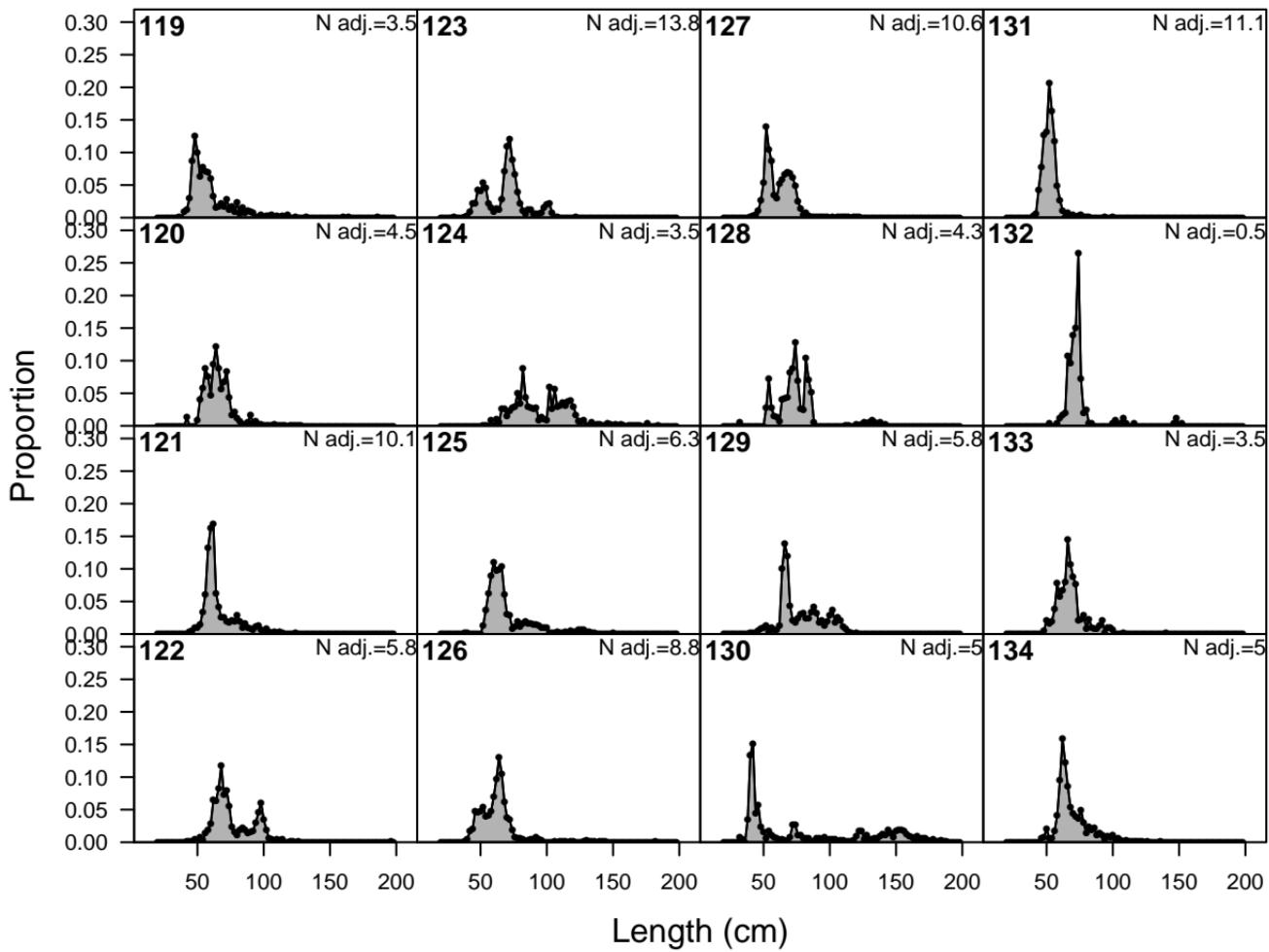


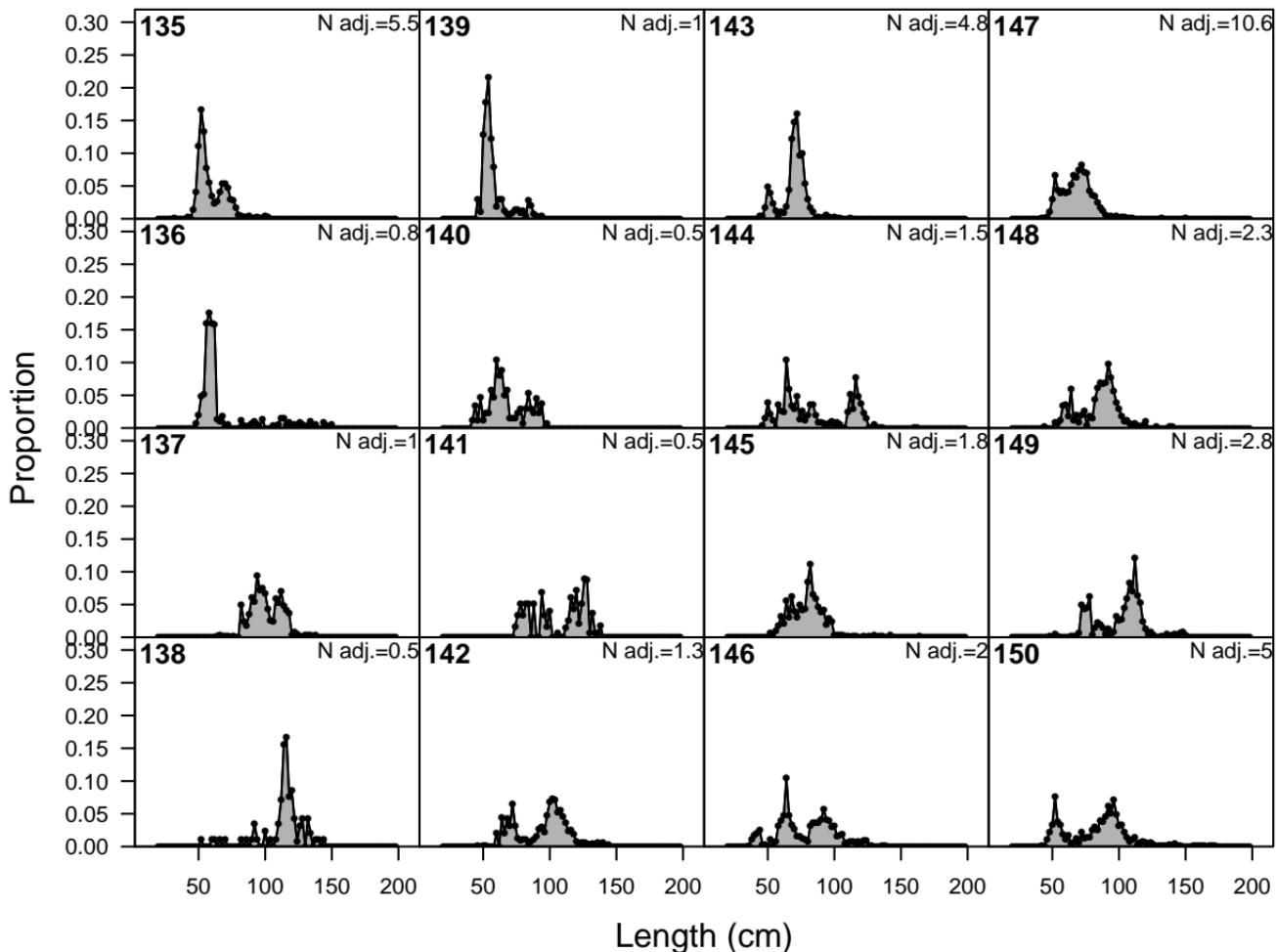


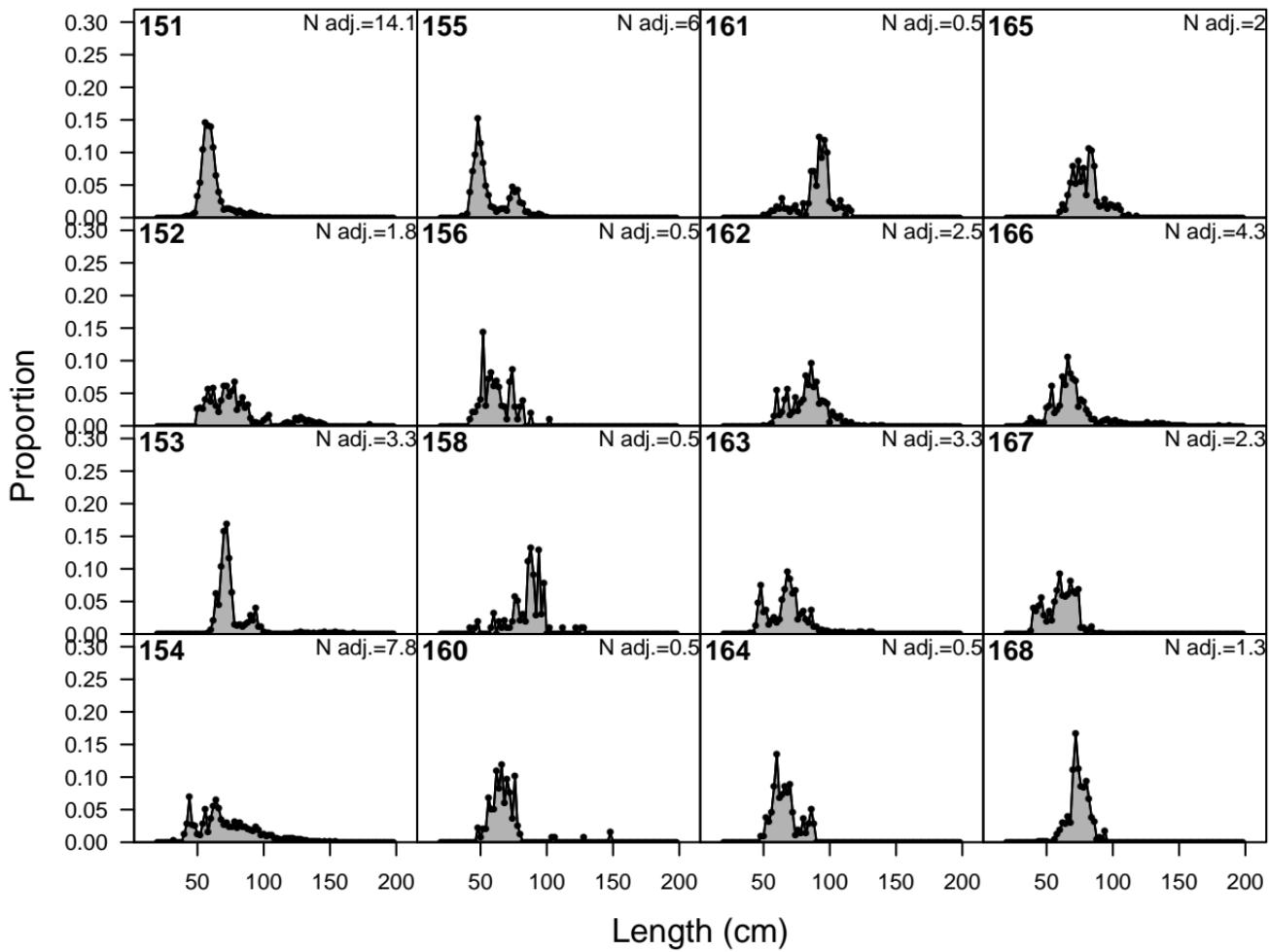


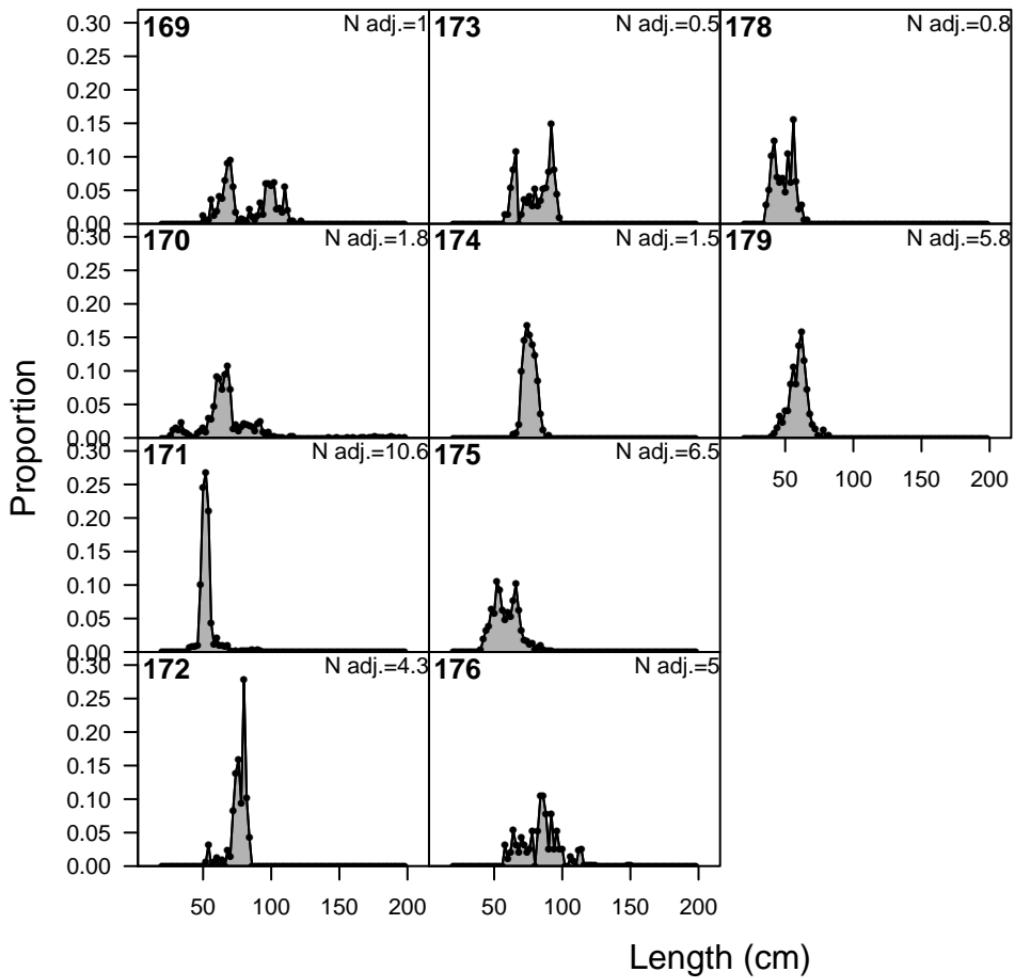


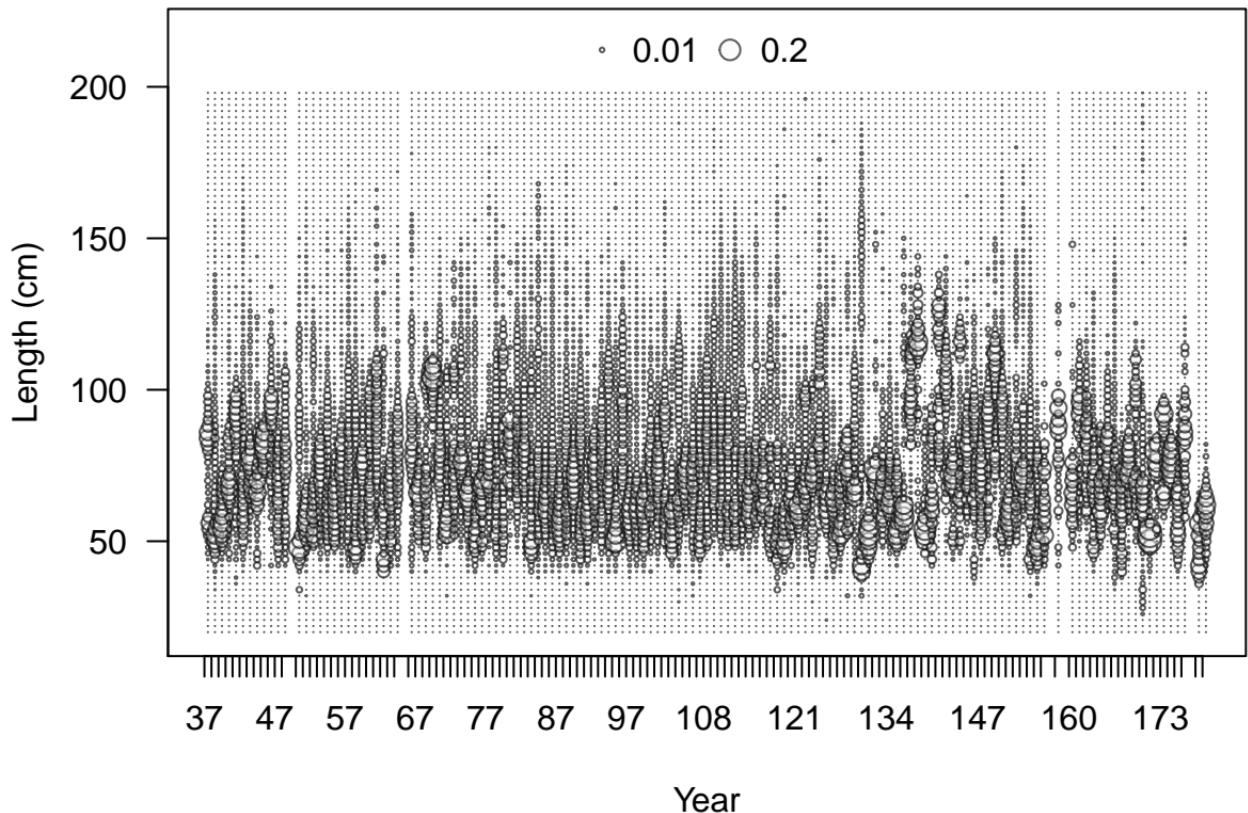




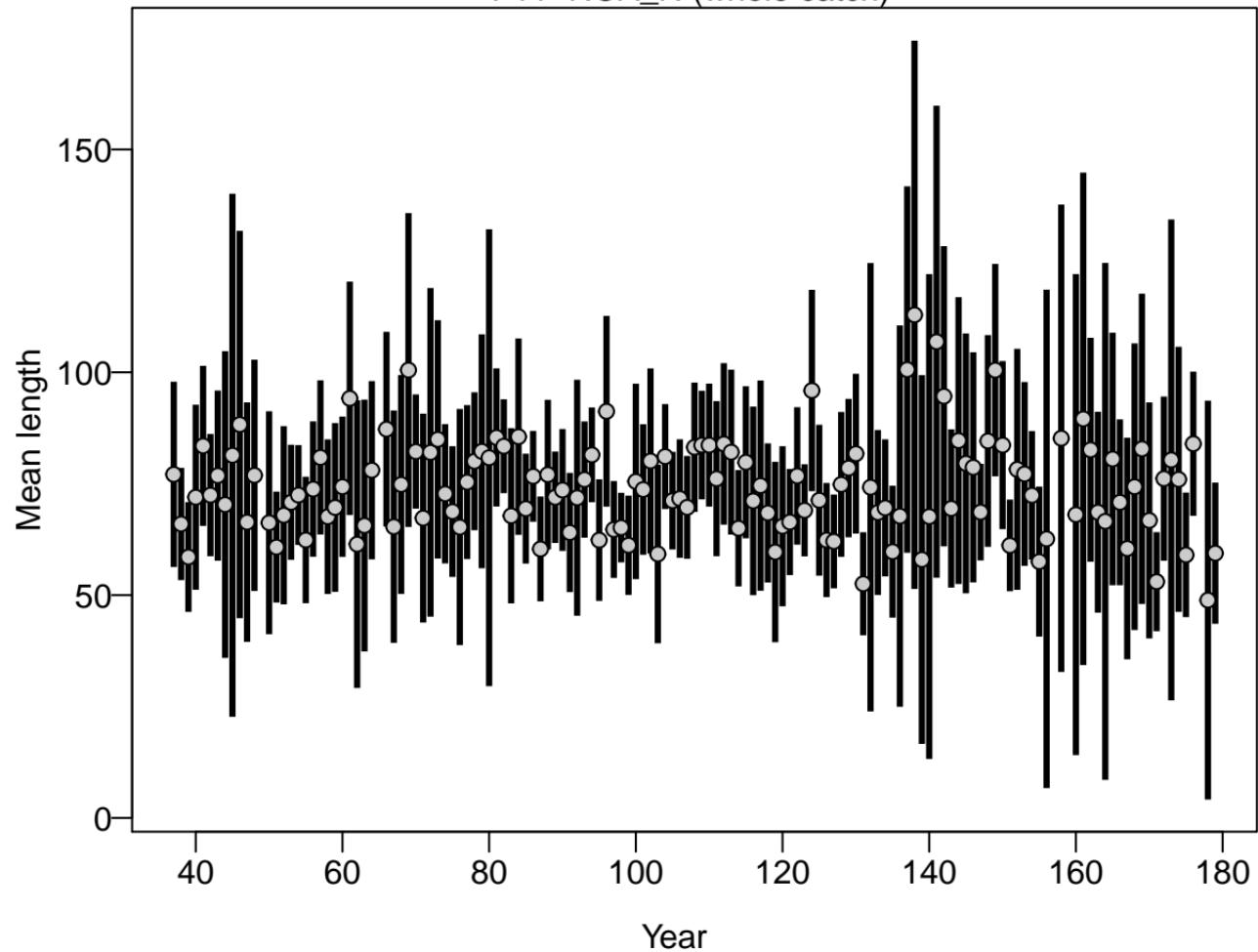




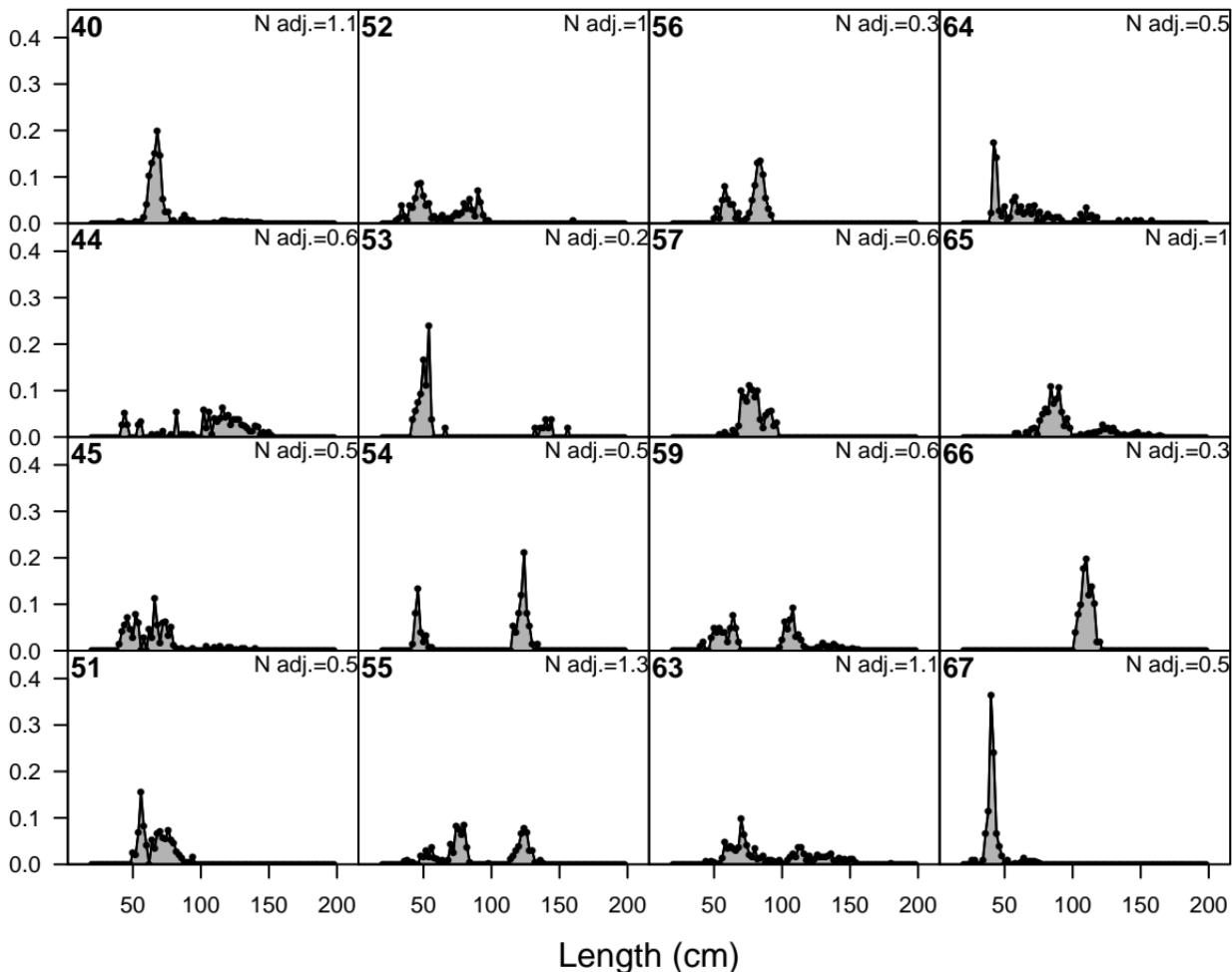


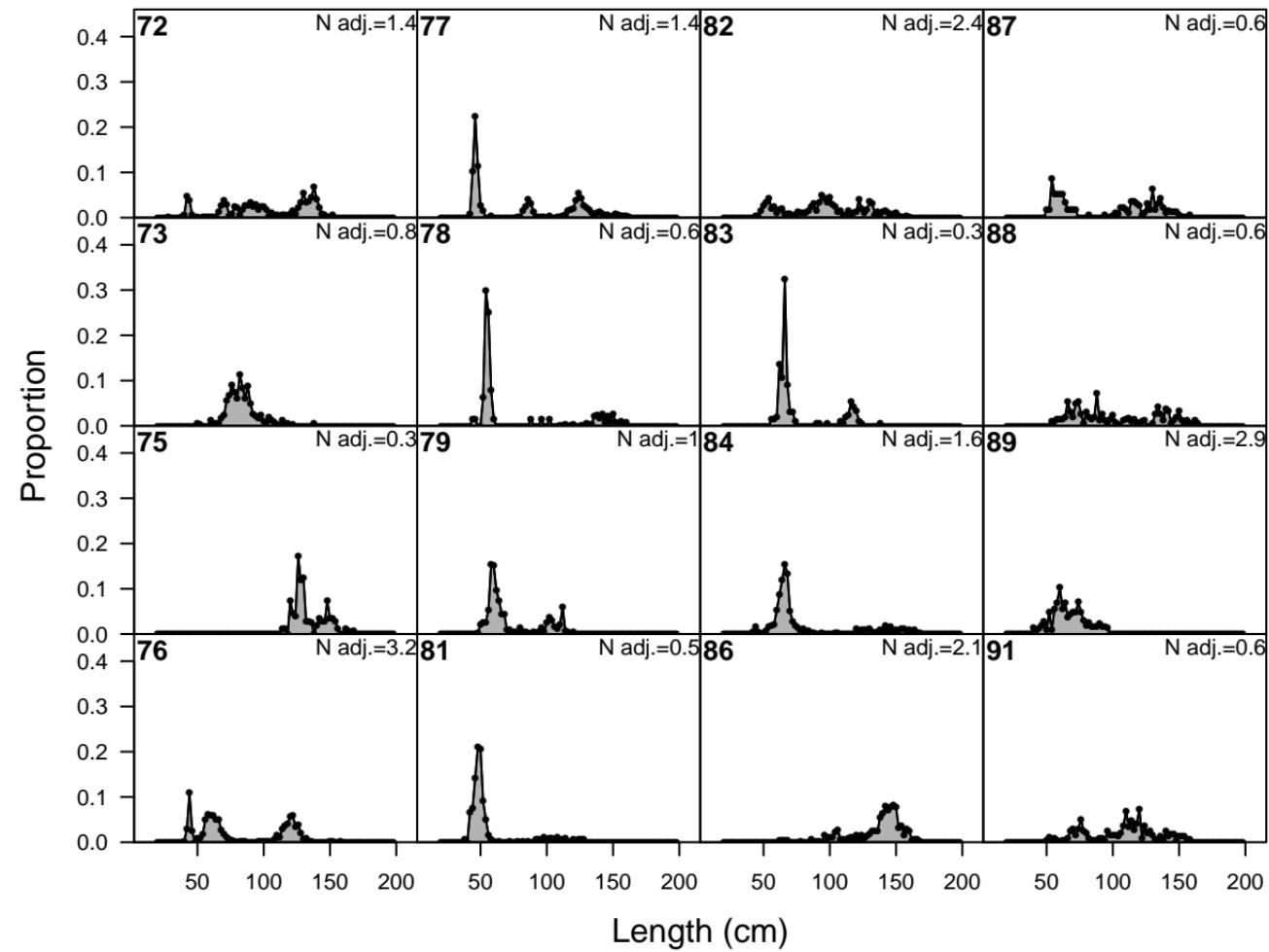


F11–NOA_N (whole catch)

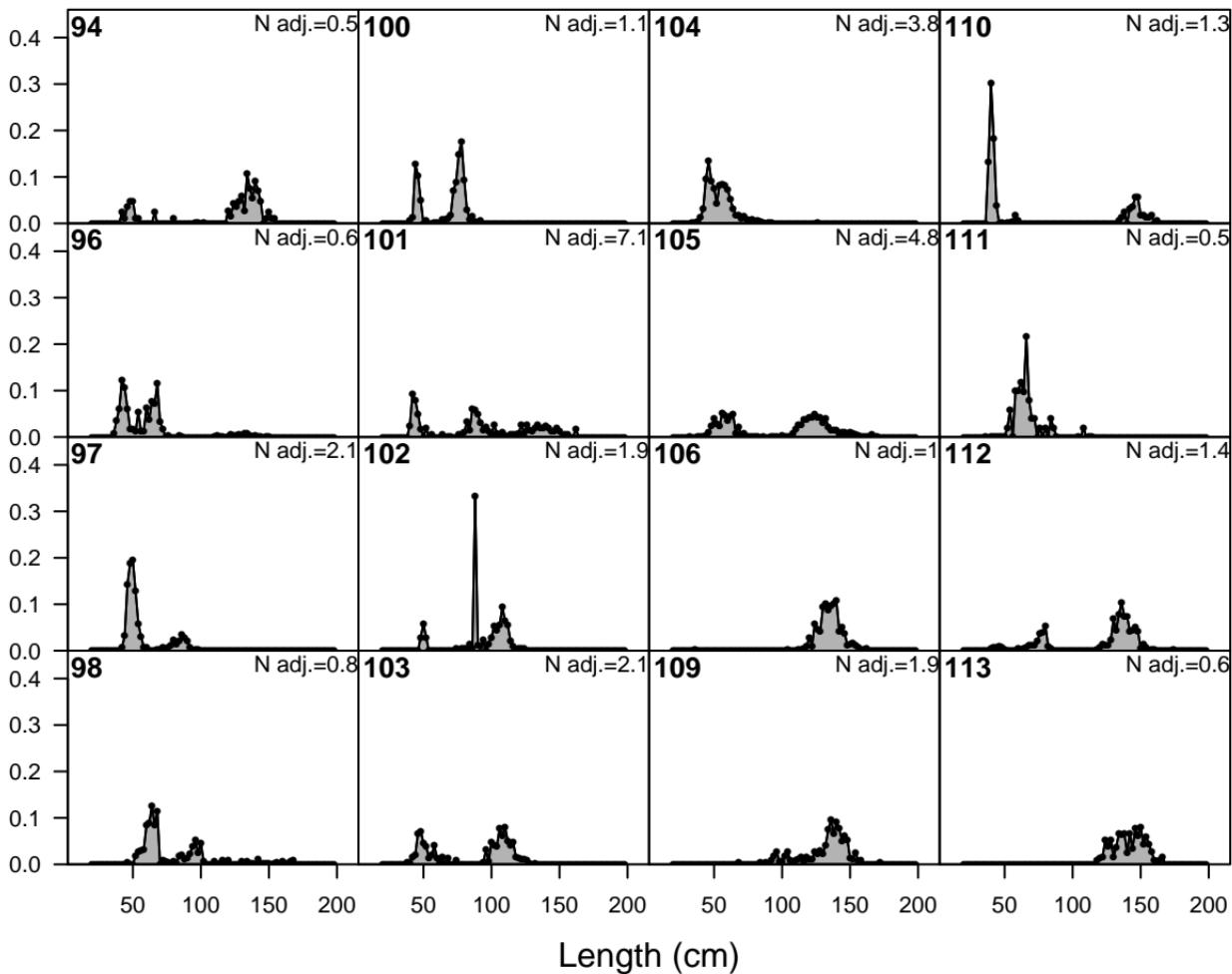


Proportion

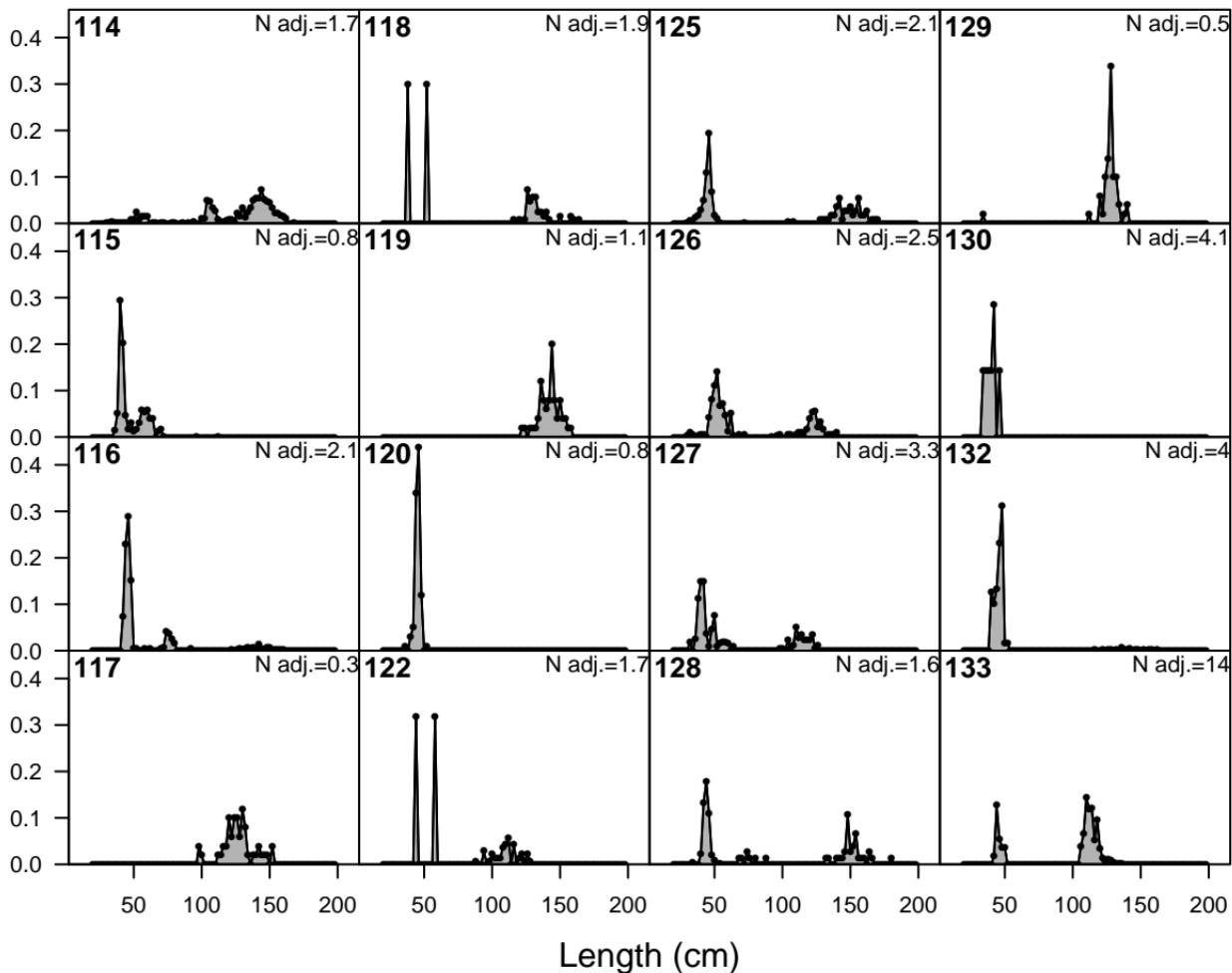




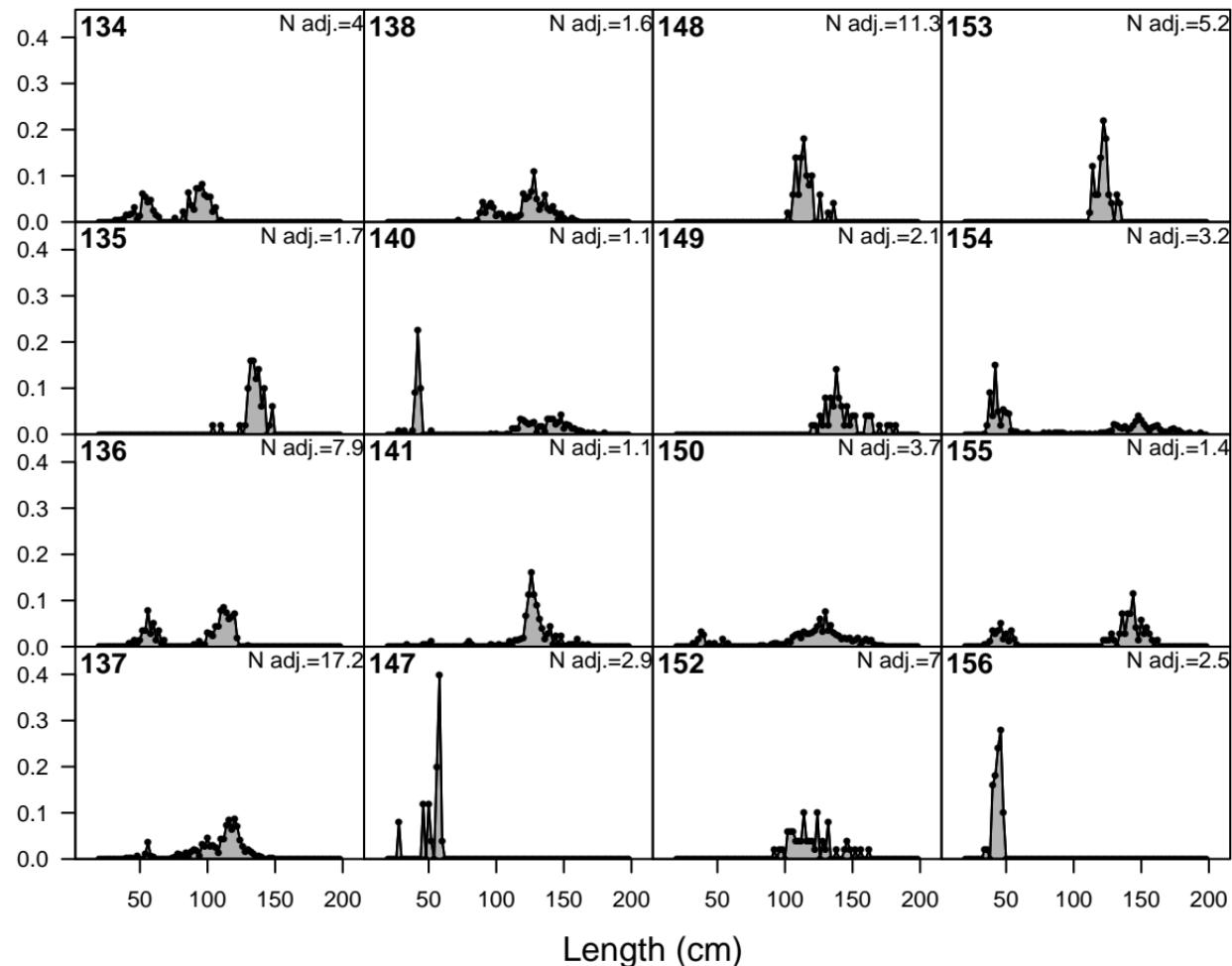
Proportion



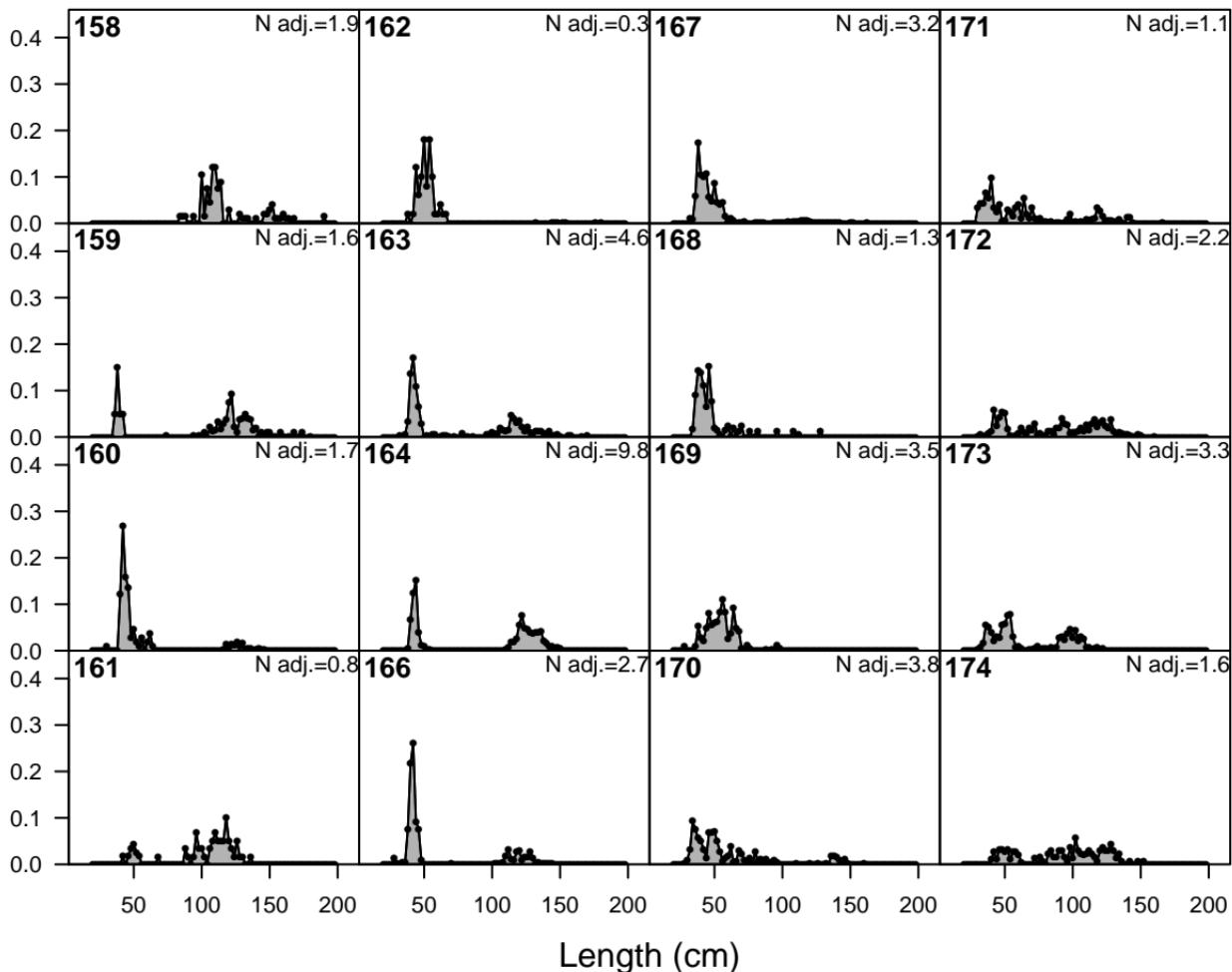
Proportion

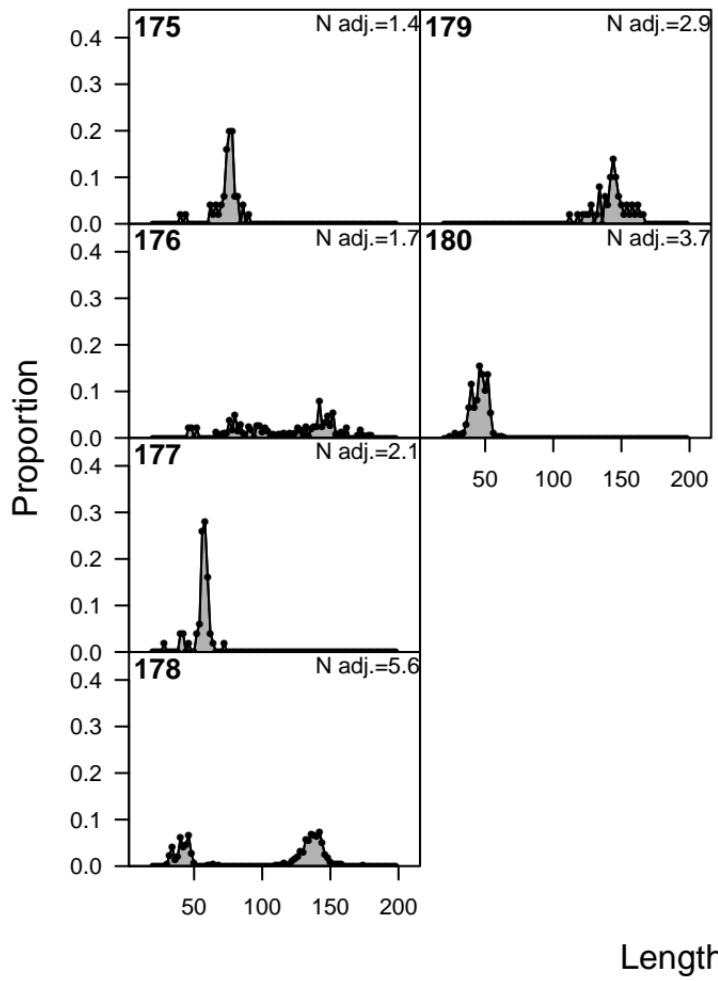


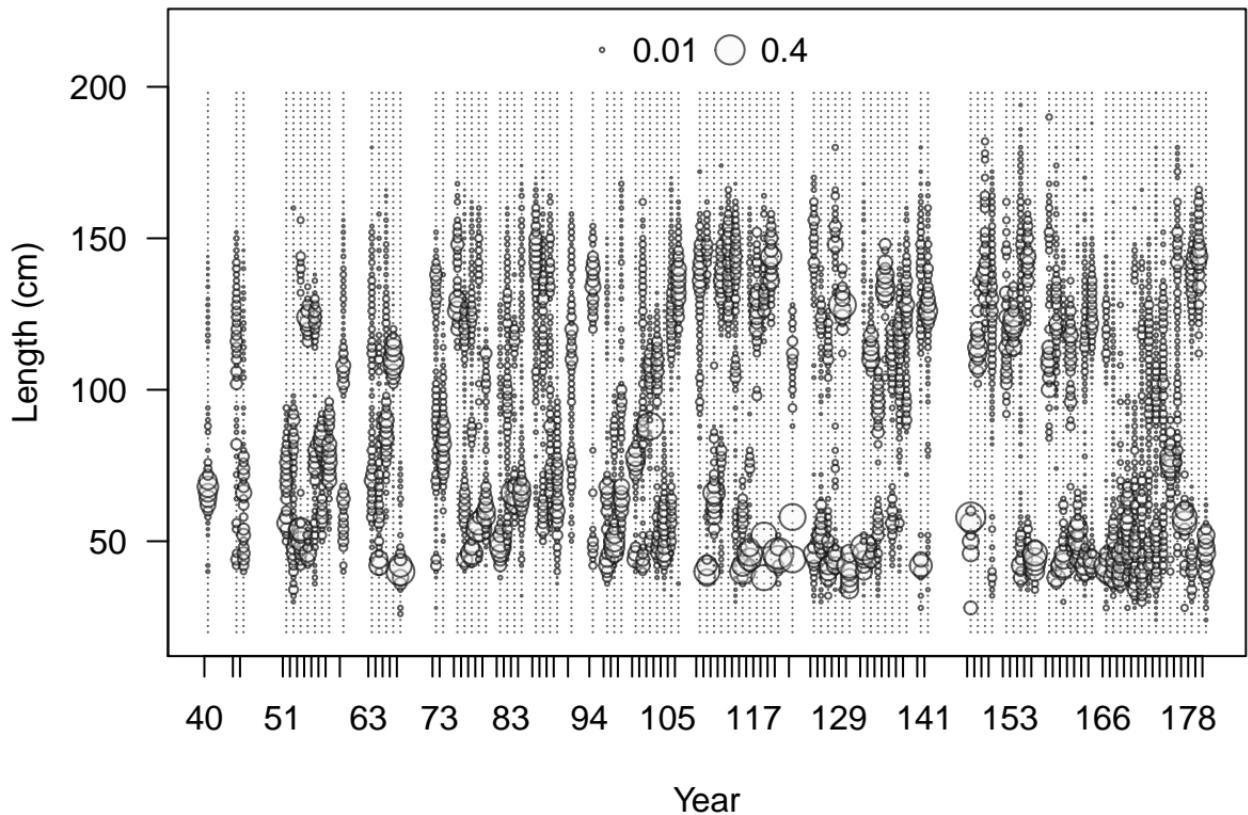
Proportion



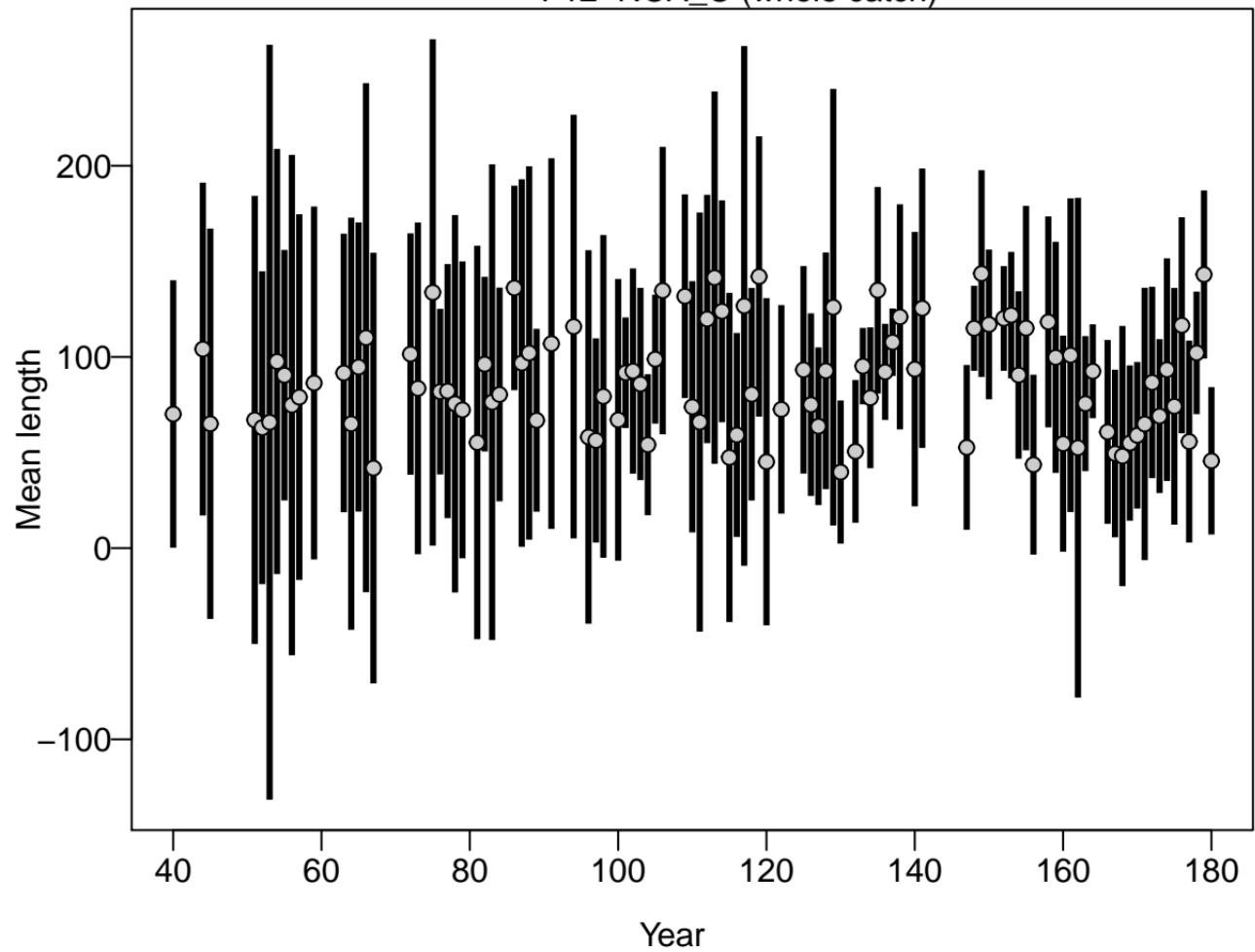
Proportion



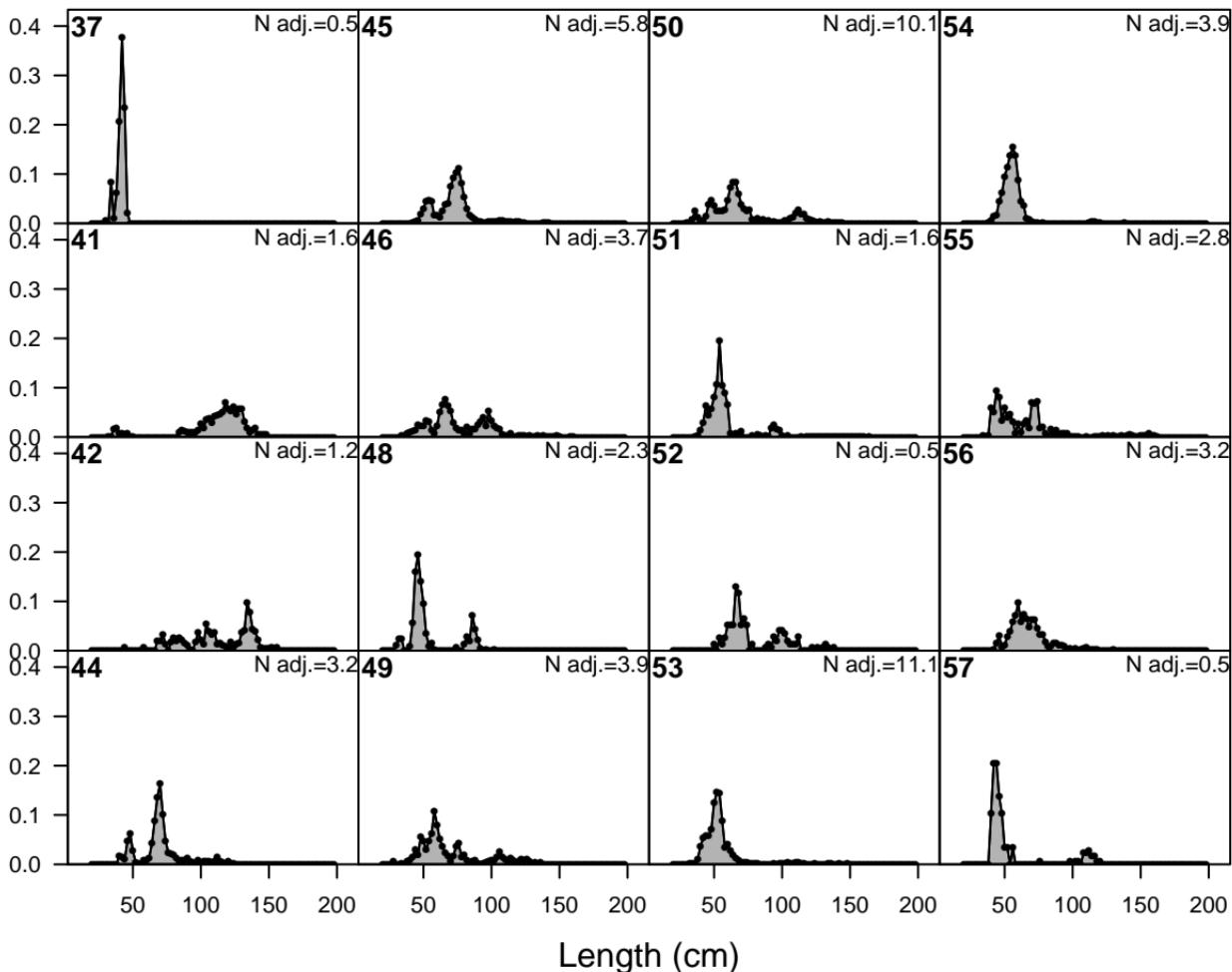




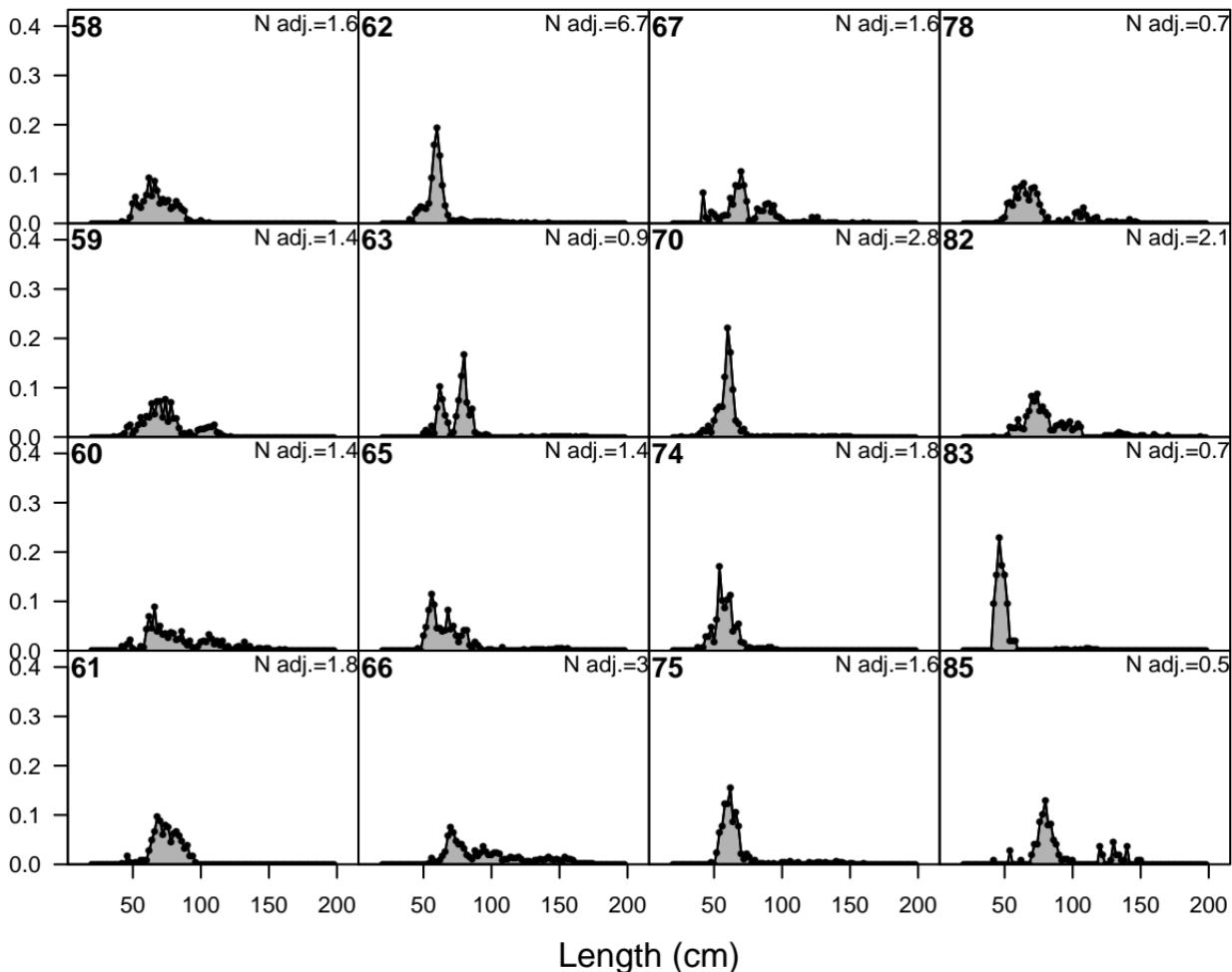
F12-NOA_C (whole catch)



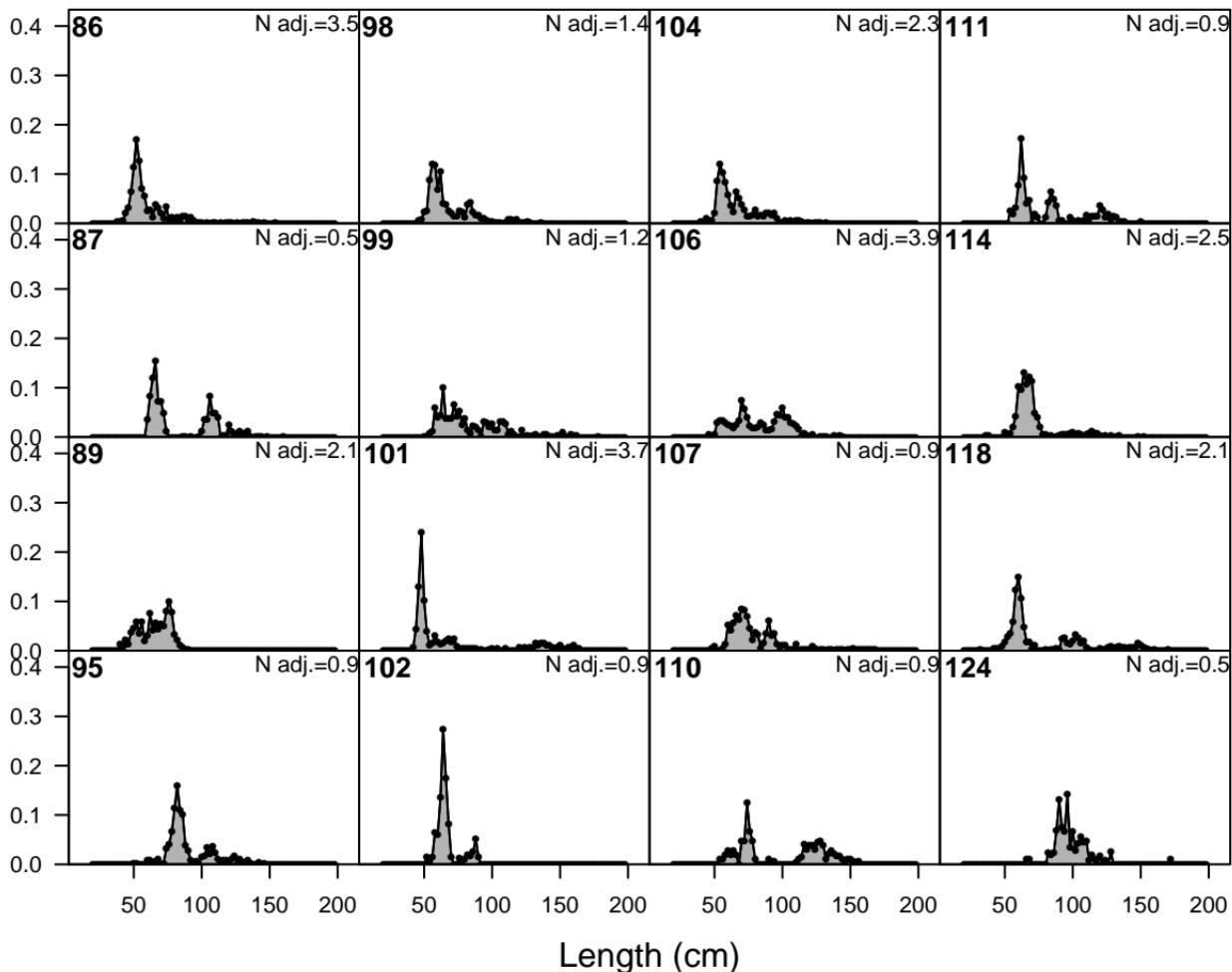
Proportion



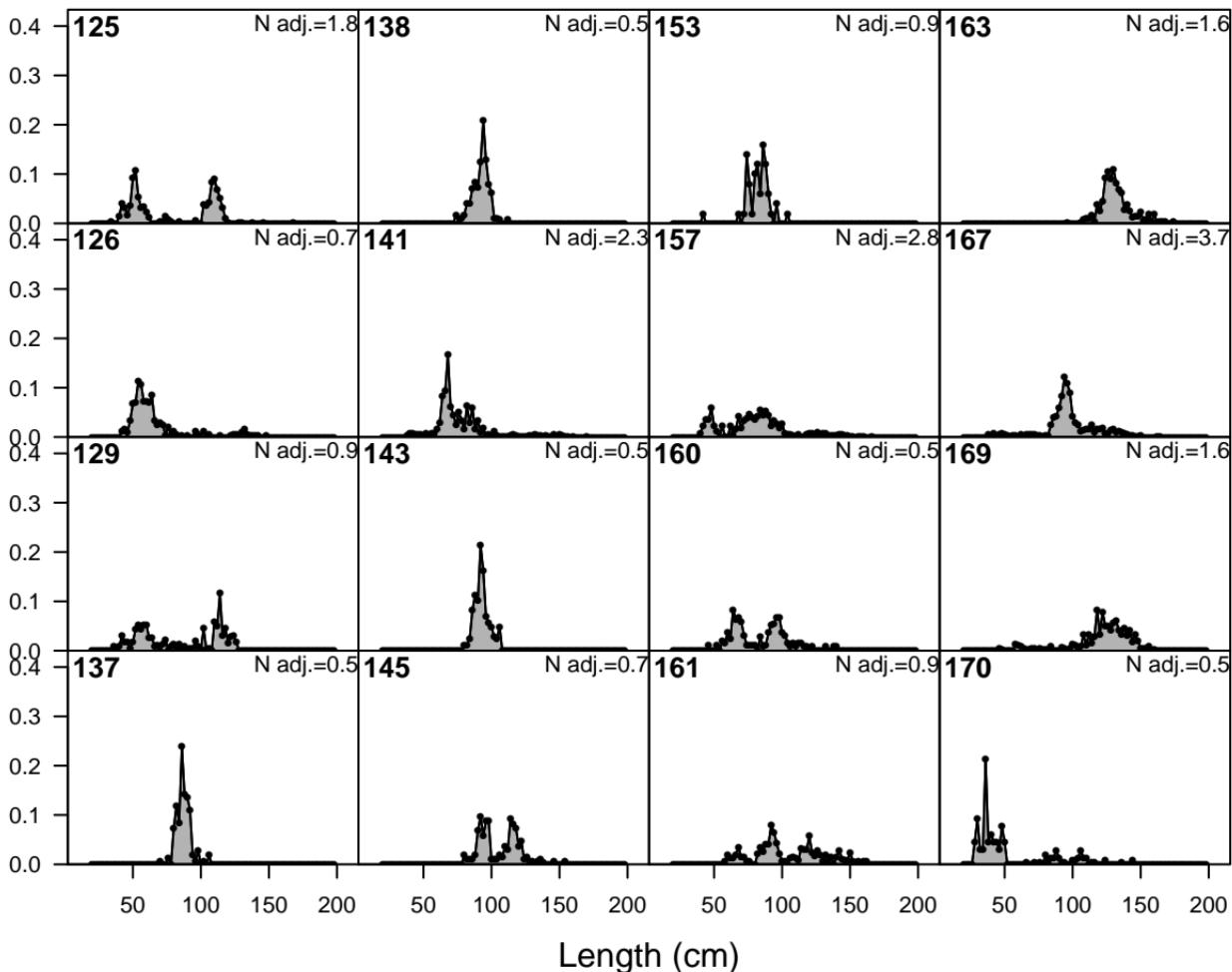
Proportion

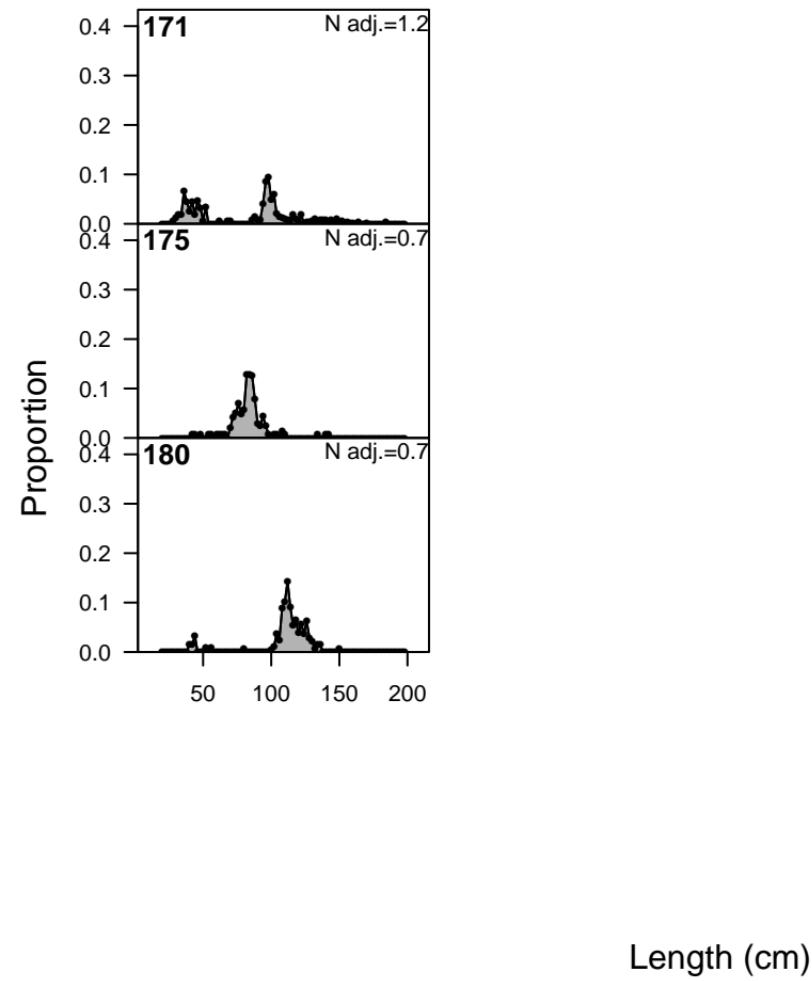


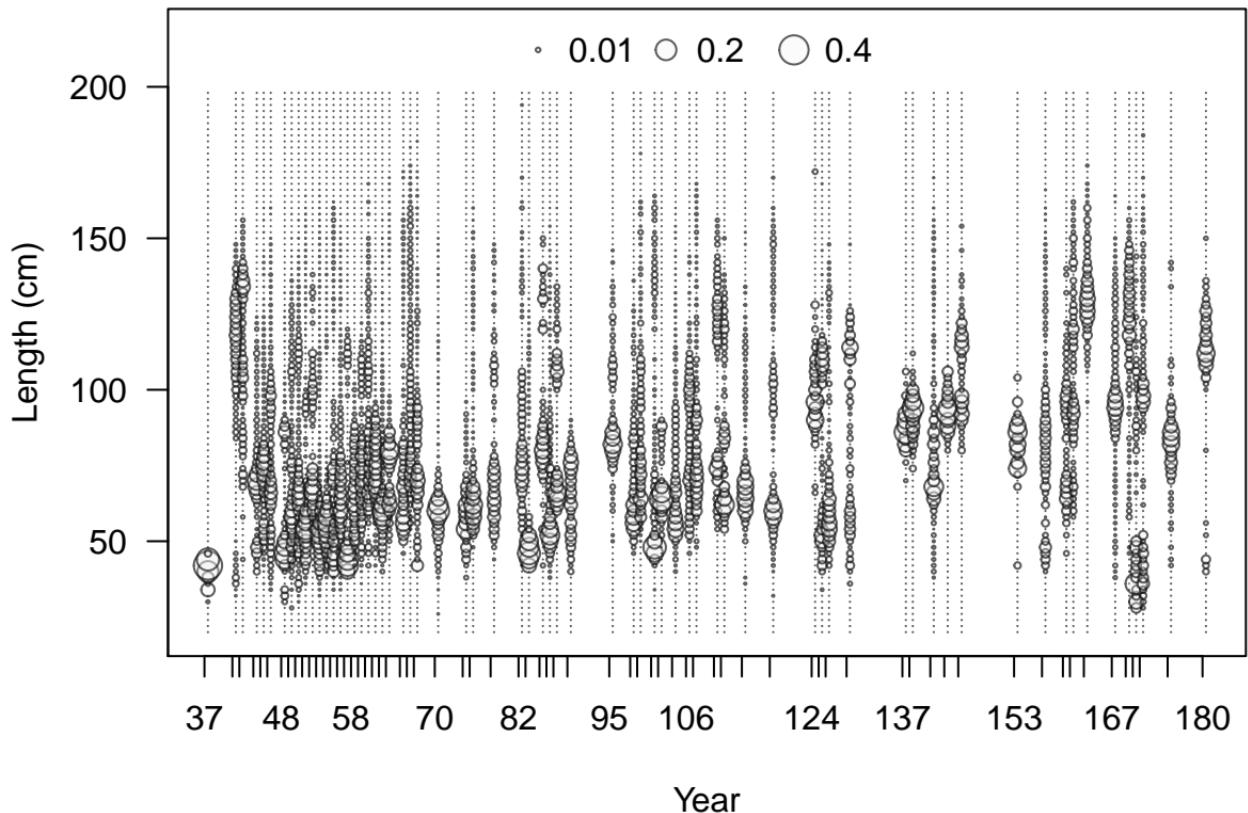
Proportion



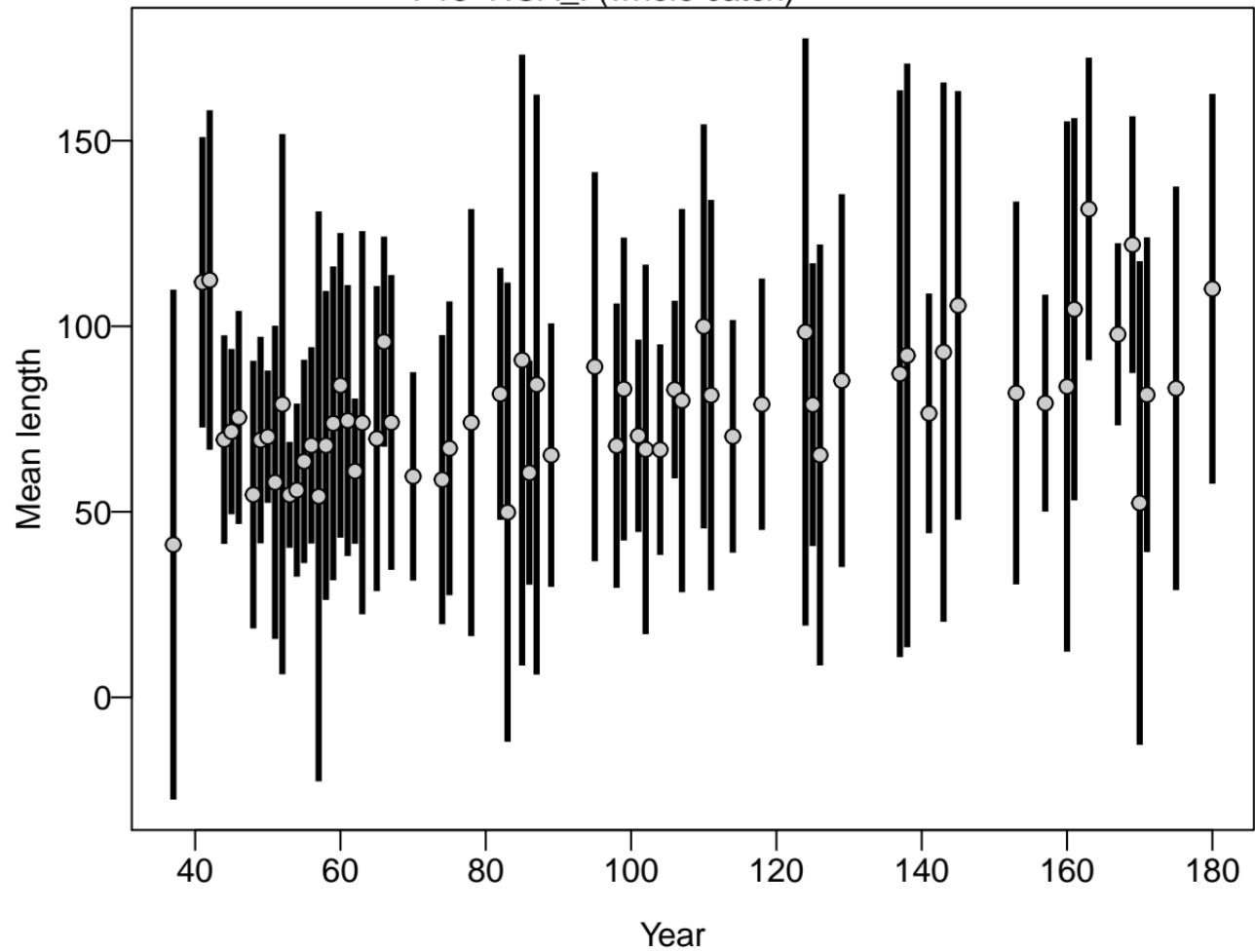
Proportion



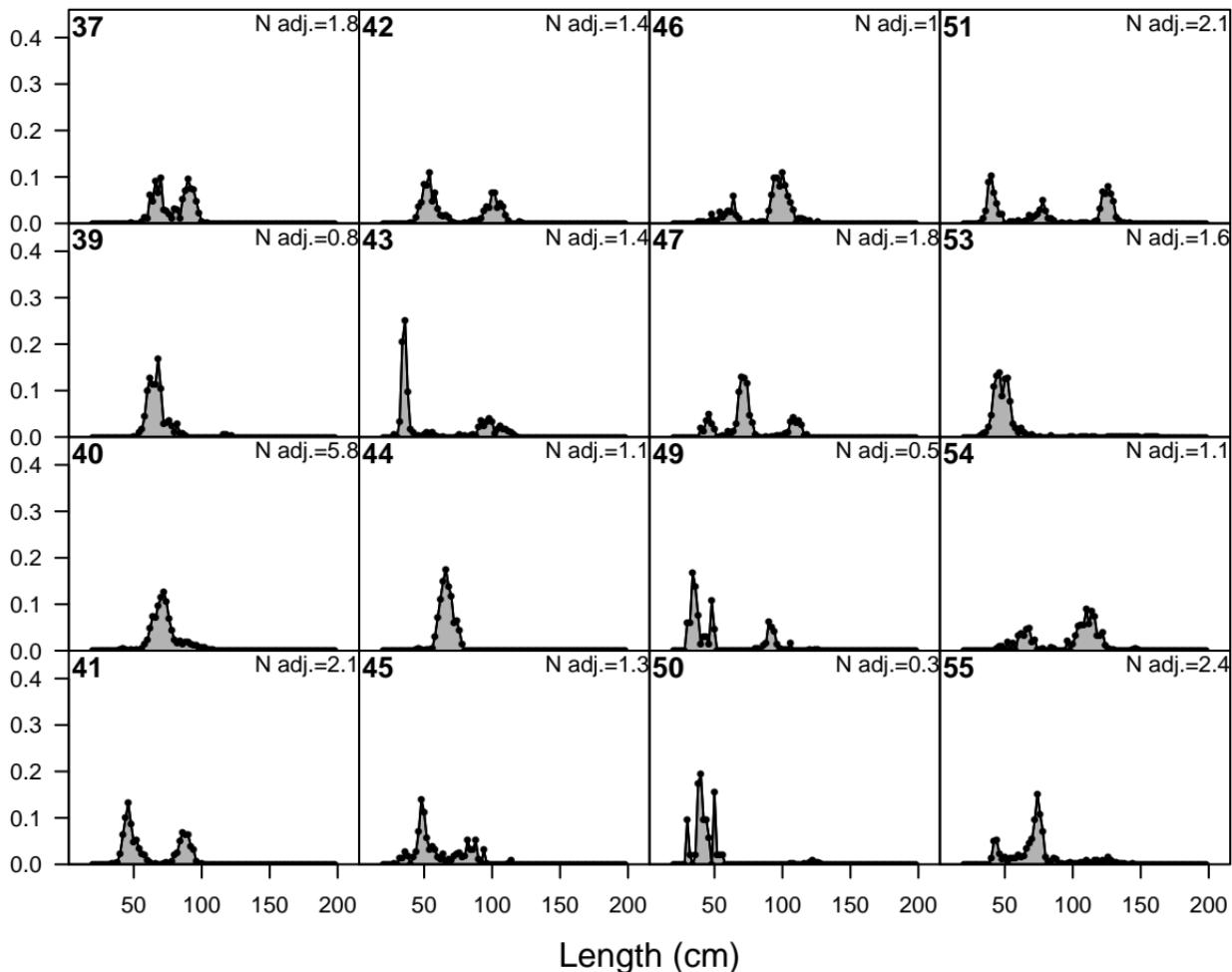




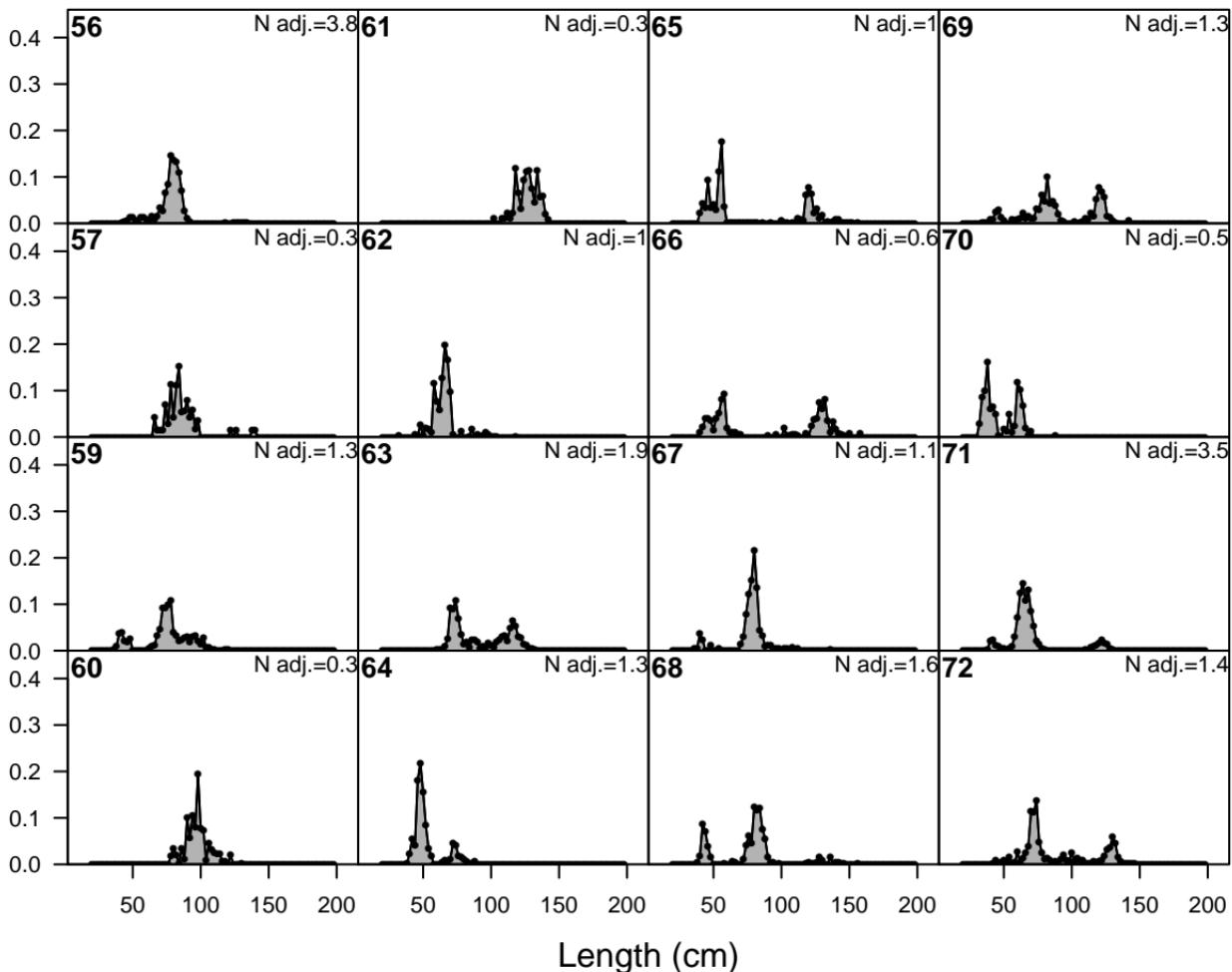
F13–NOA_I (whole catch)



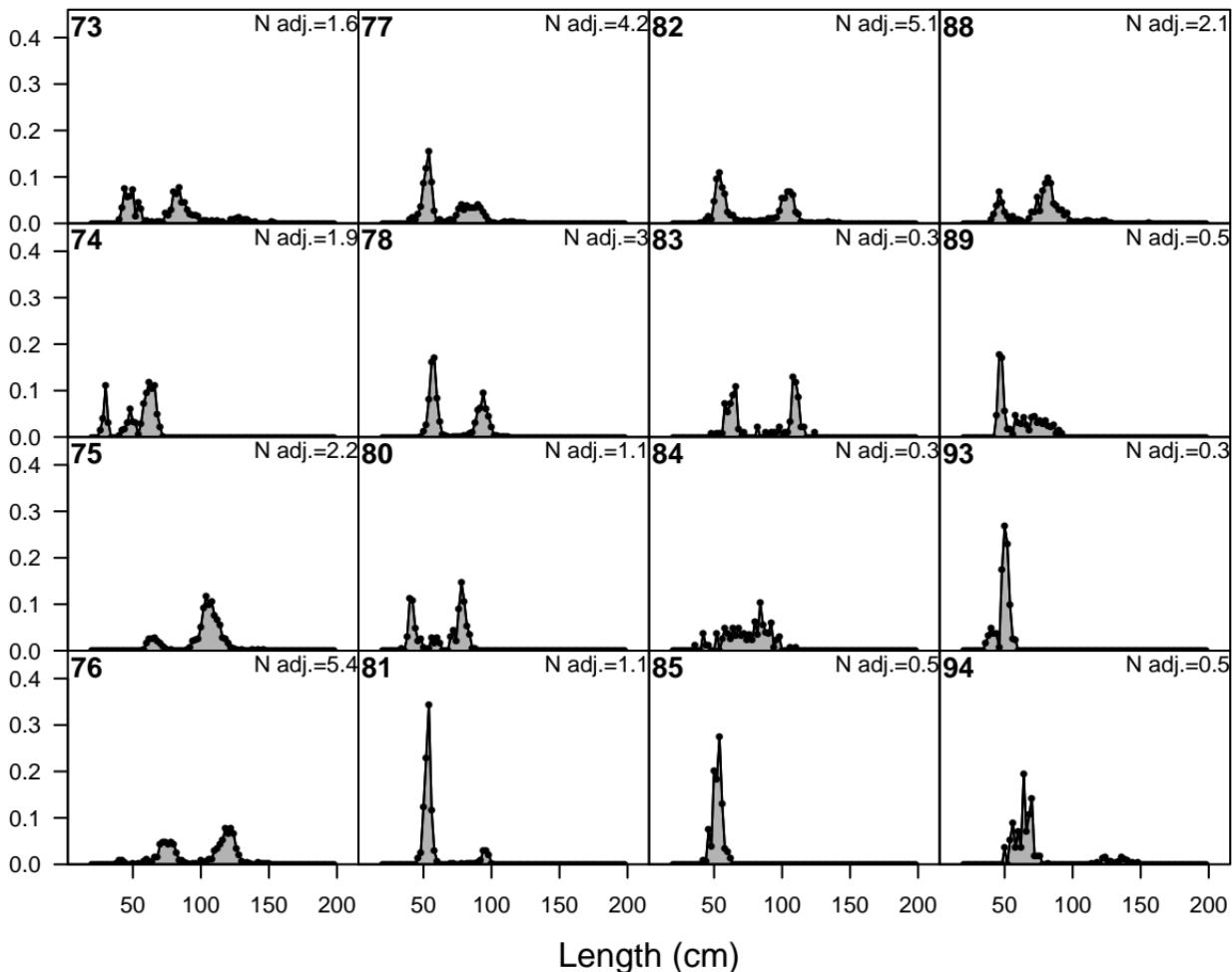
Proportion

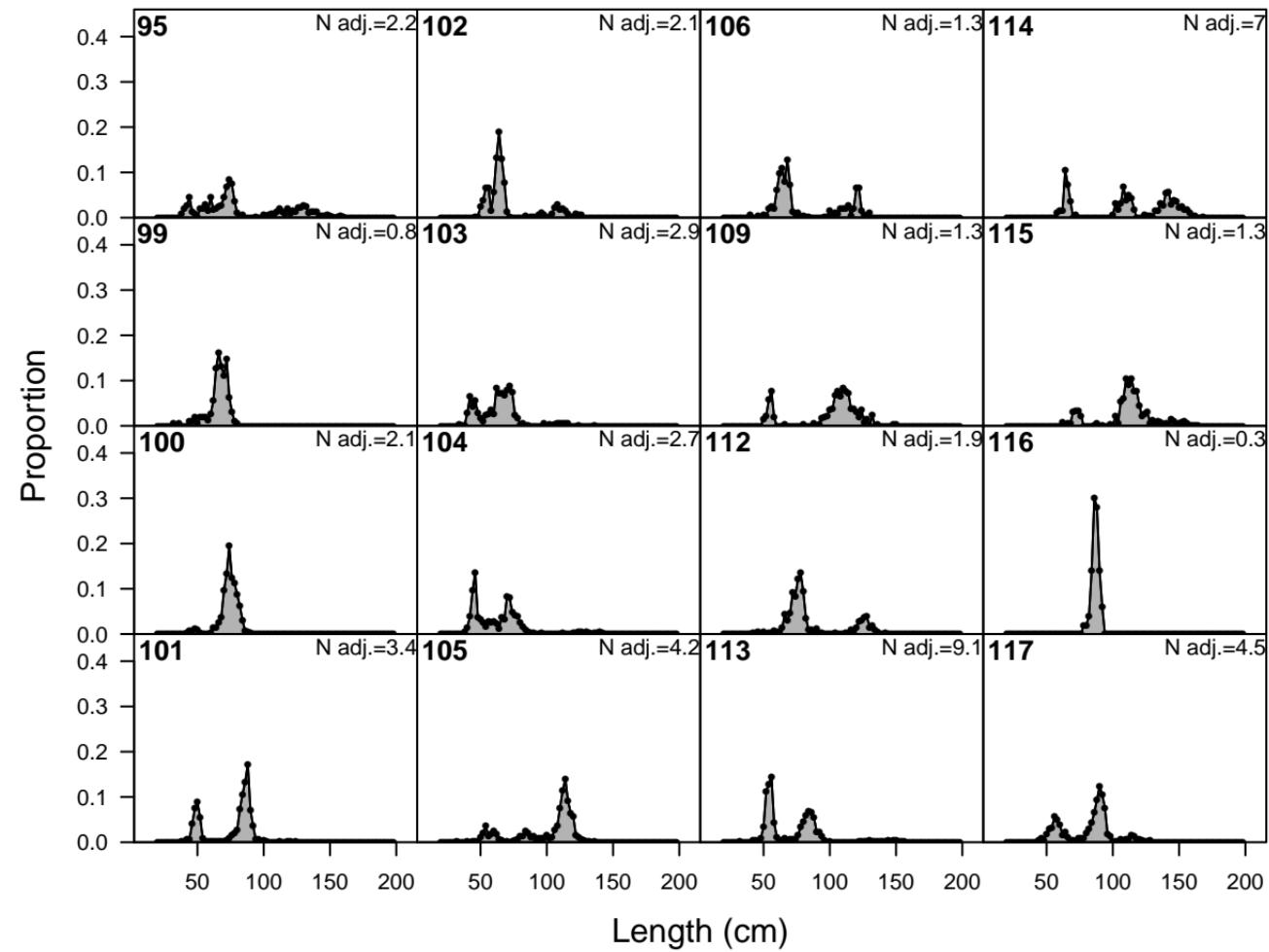


Proportion

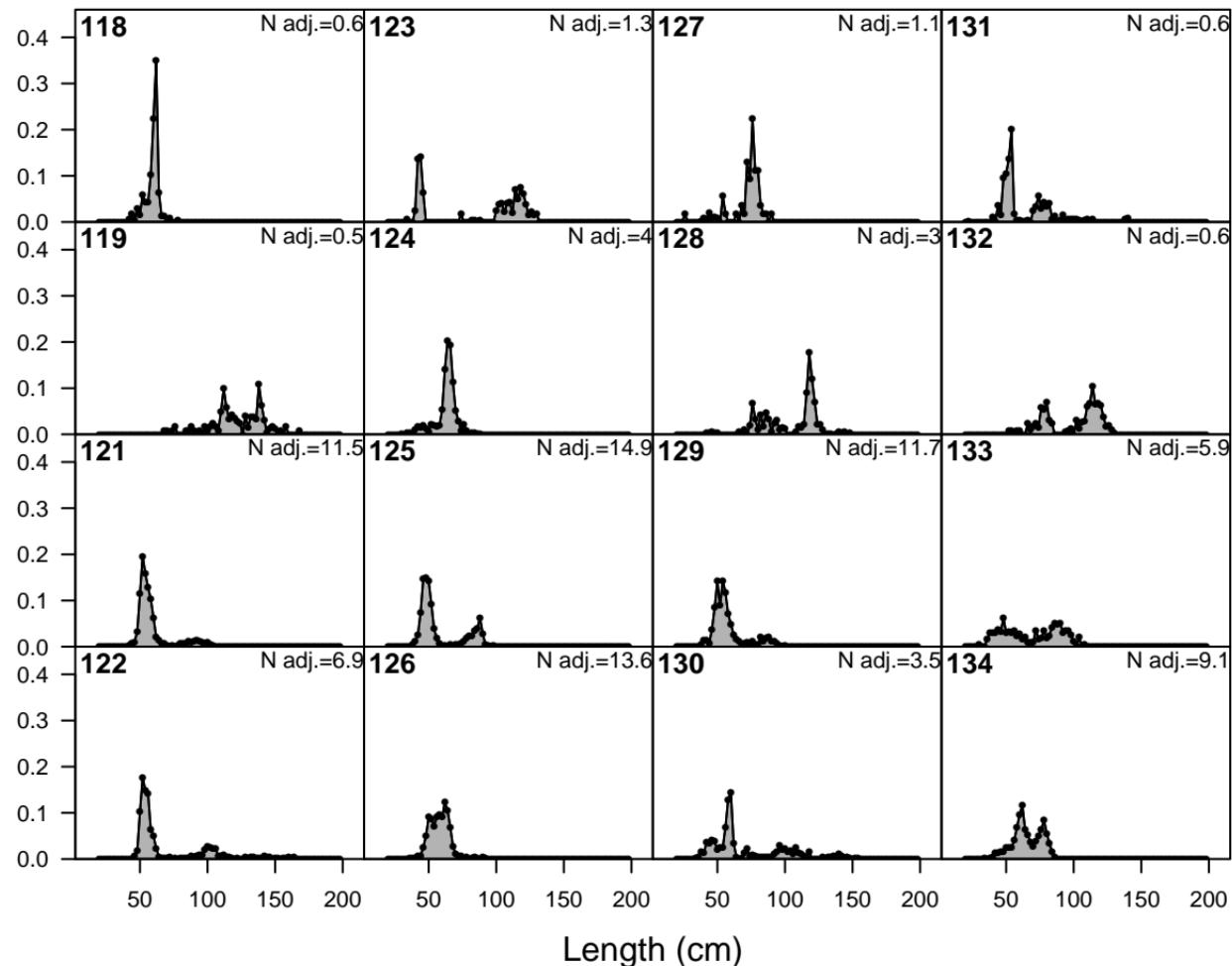


Proportion

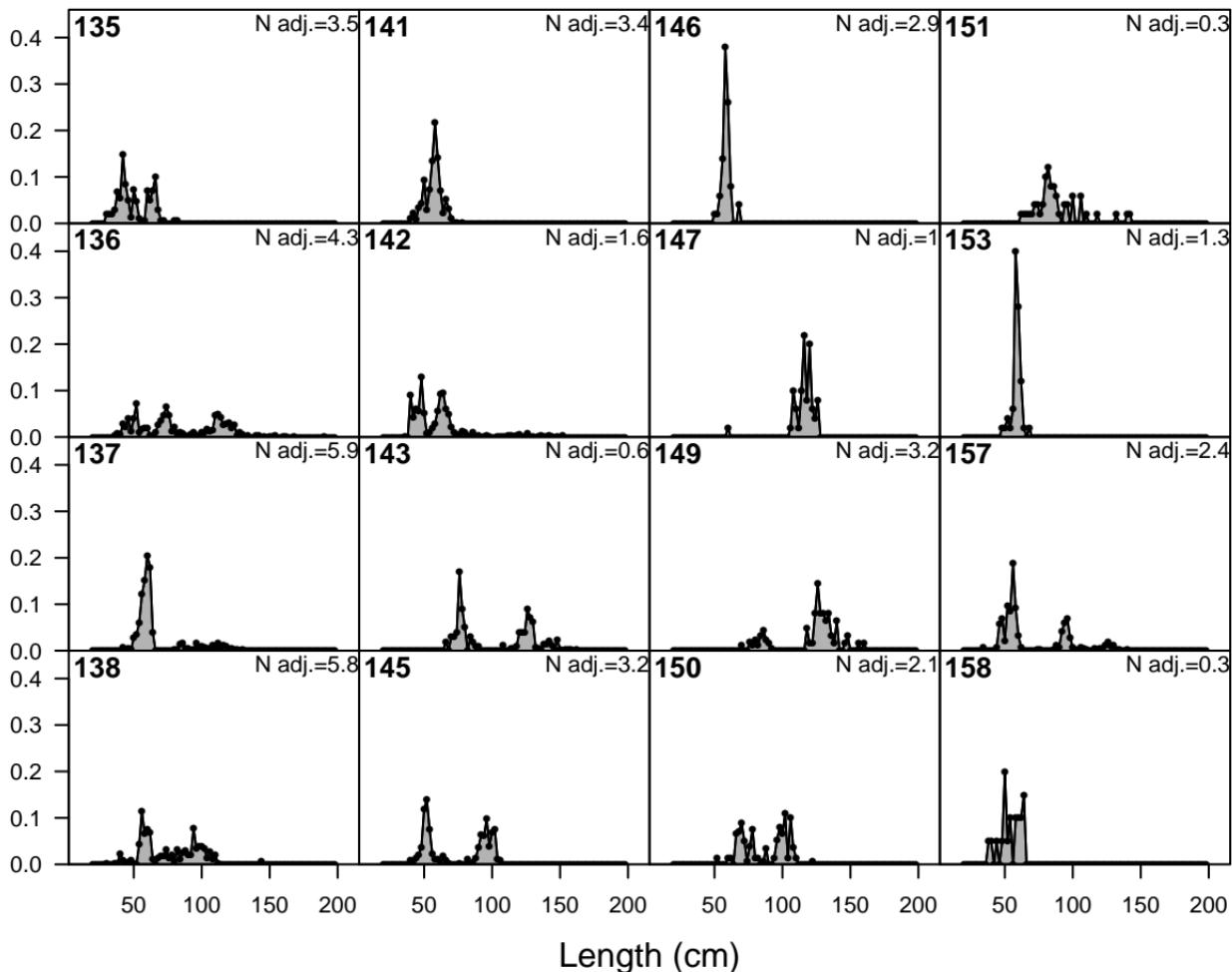




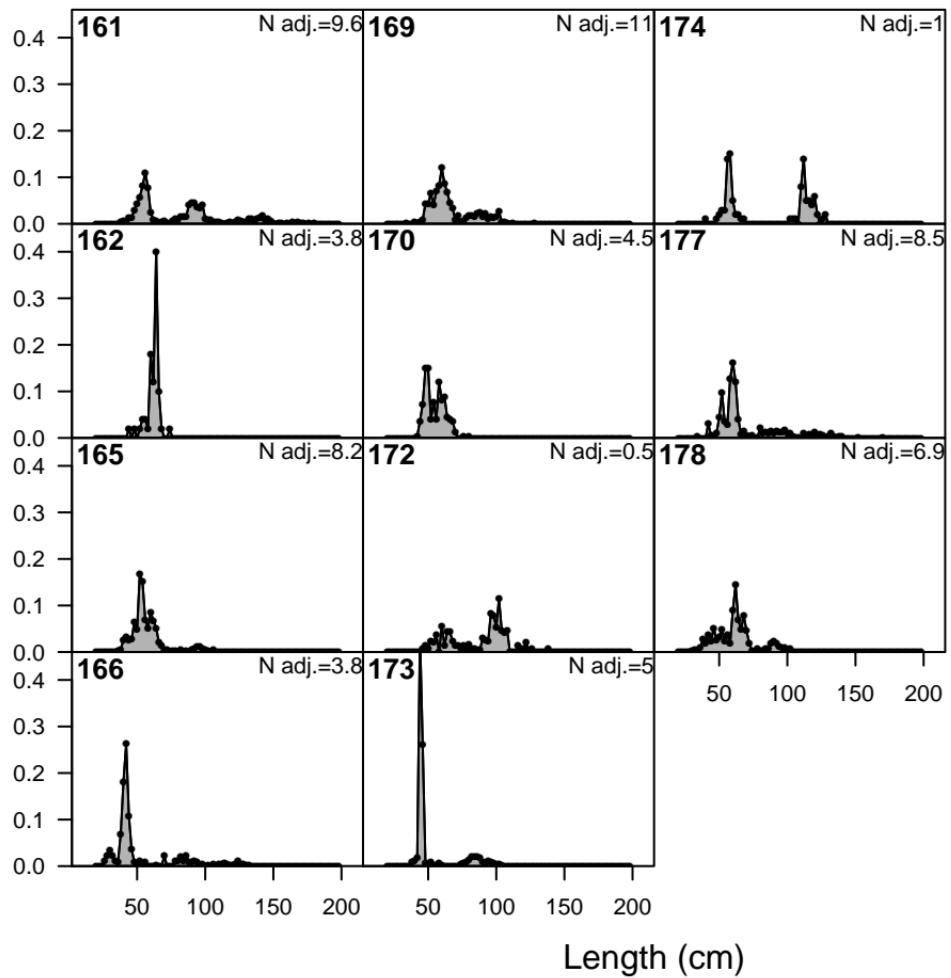
Proportion

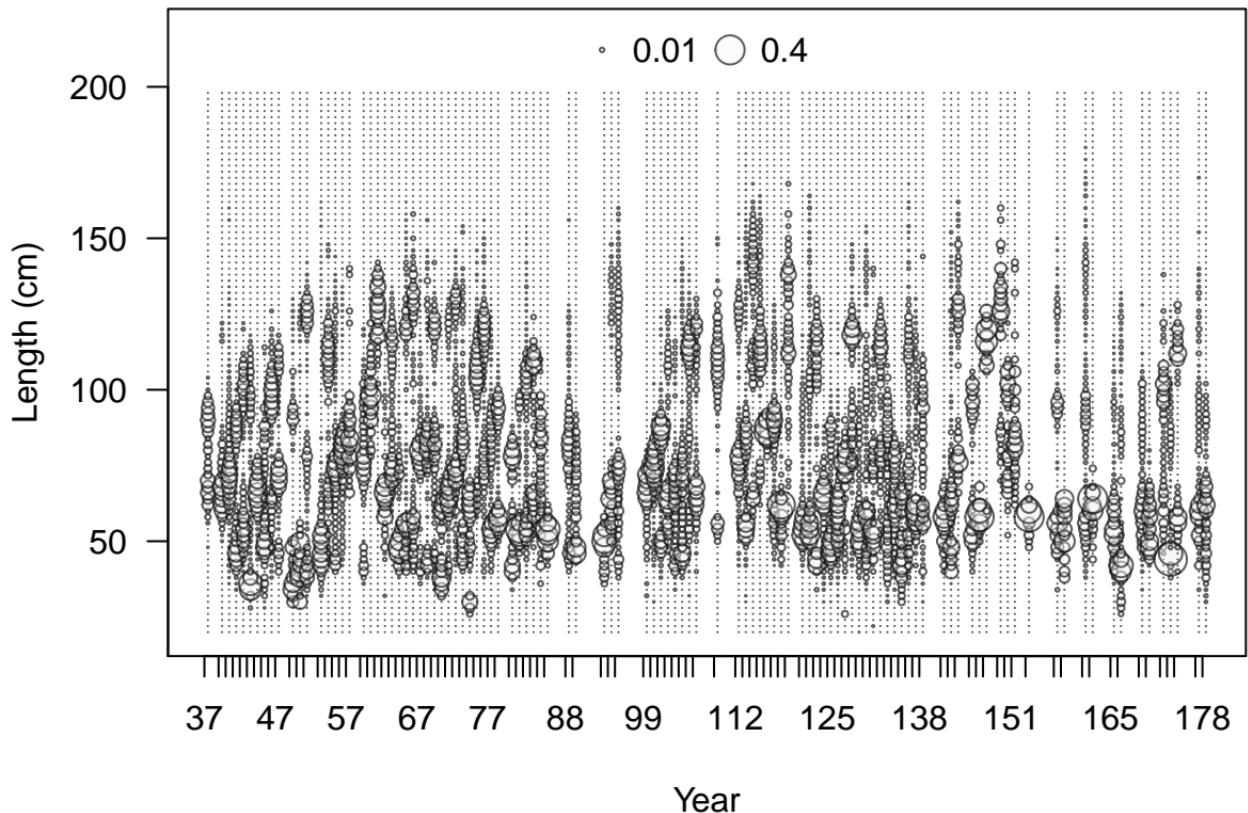


Proportion

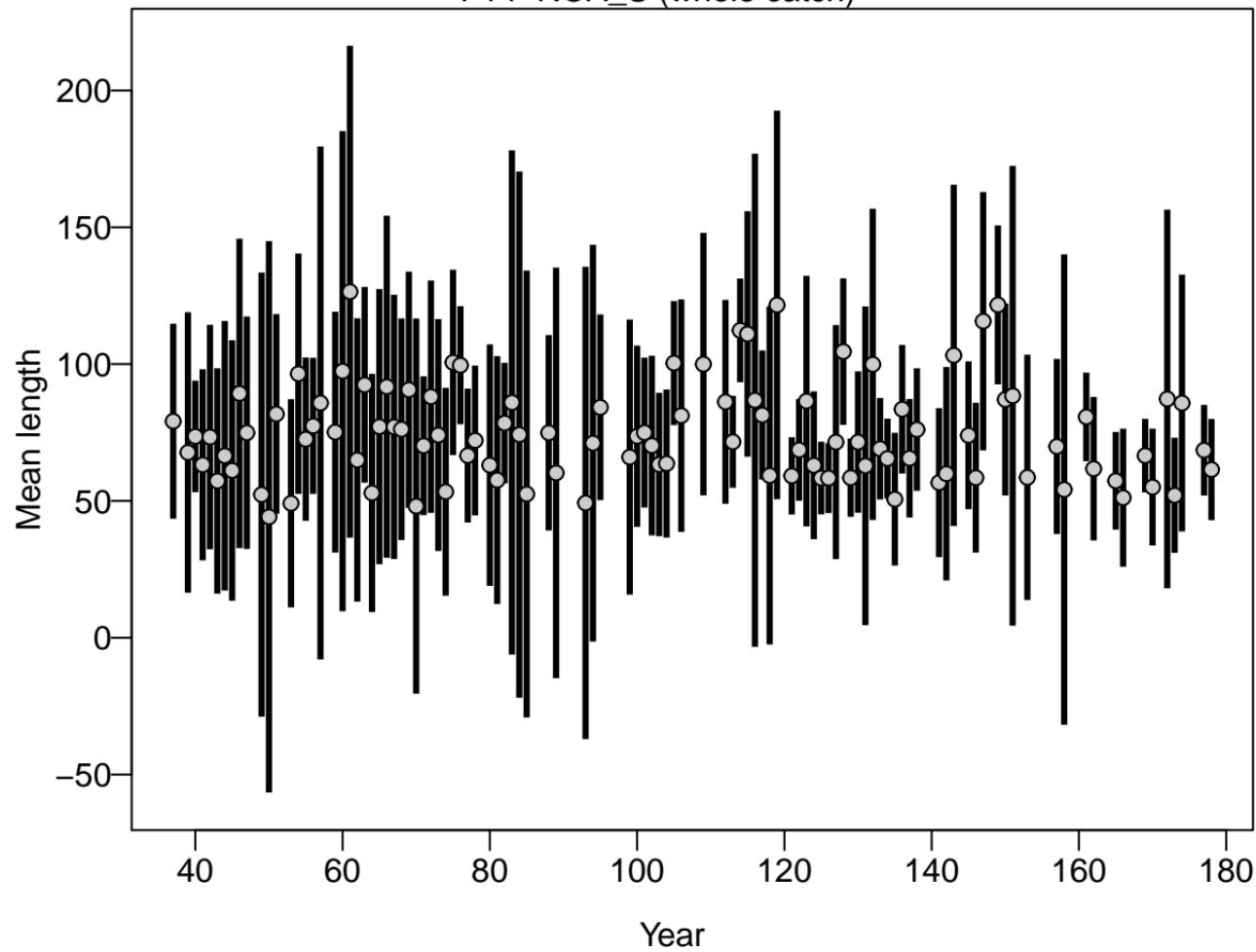


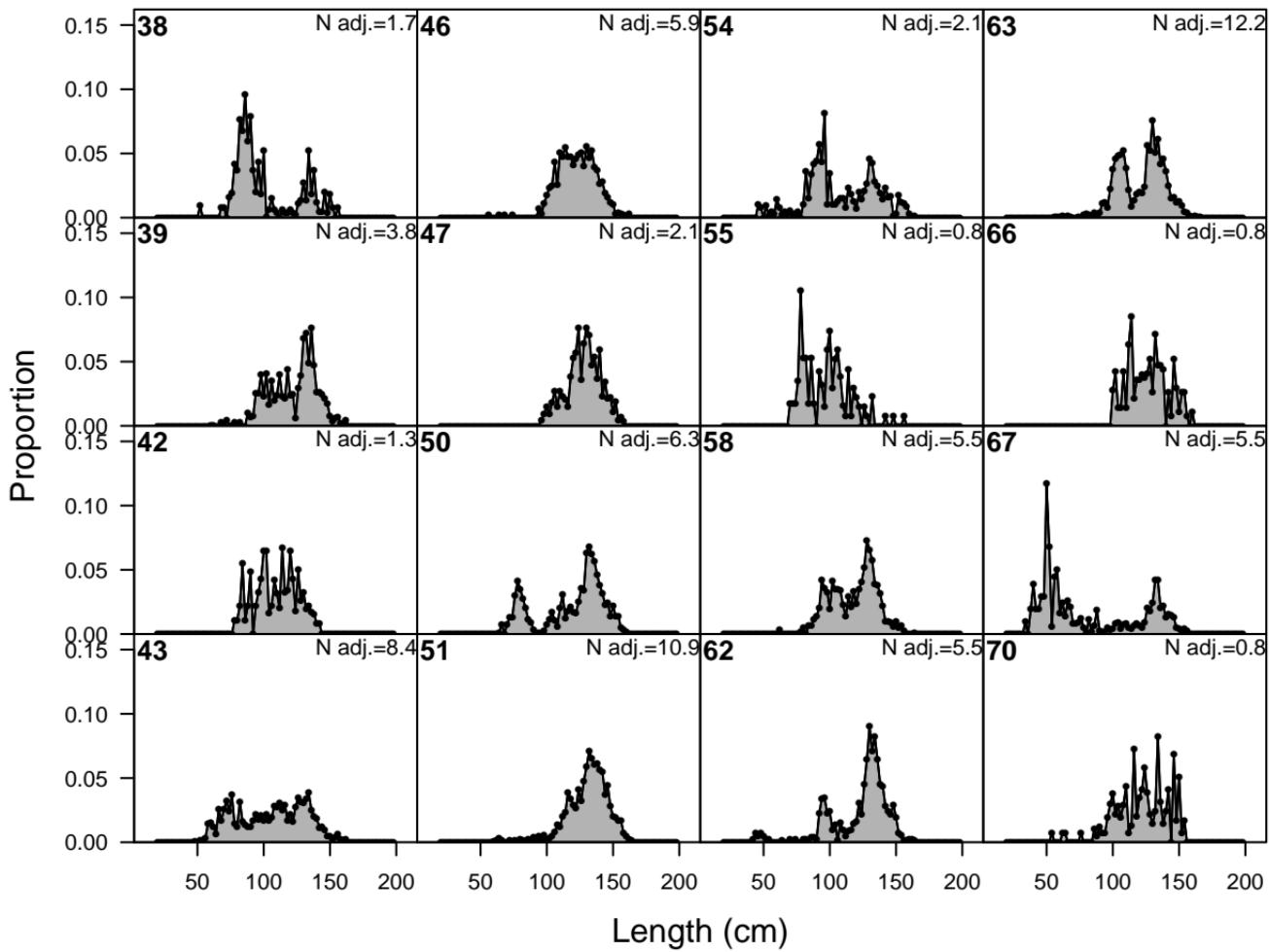
Proportion



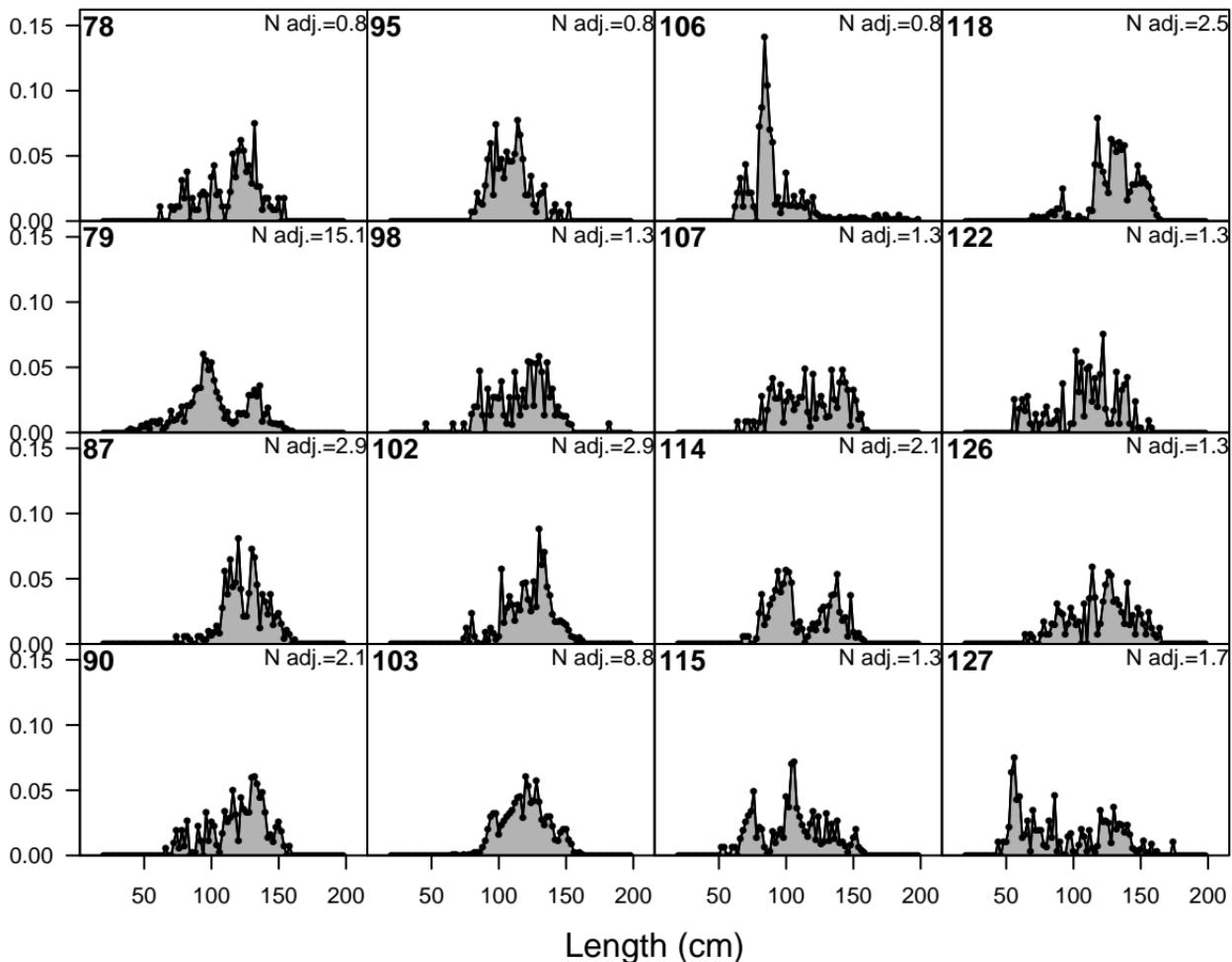


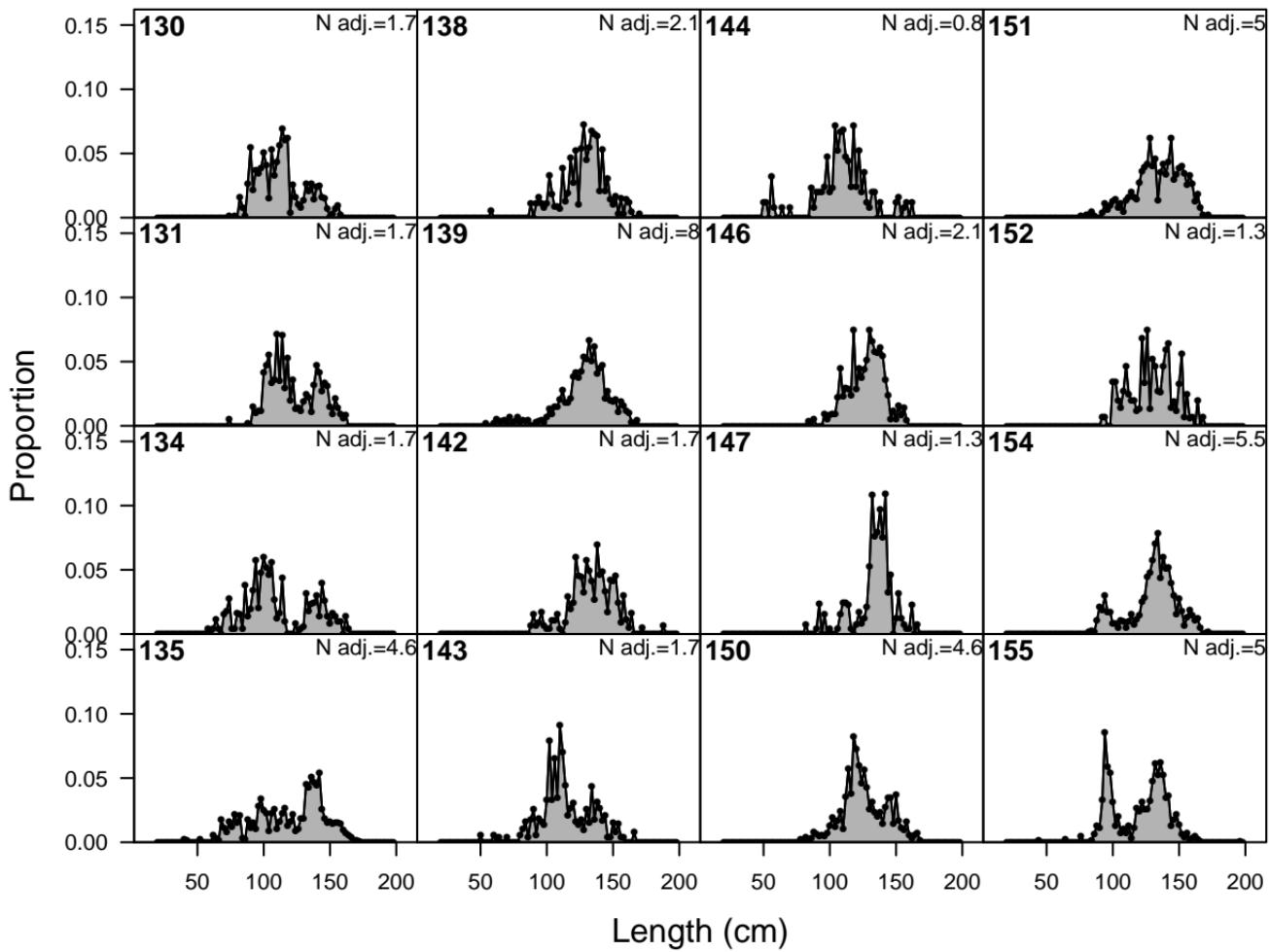
F14–NOA_S (whole catch)

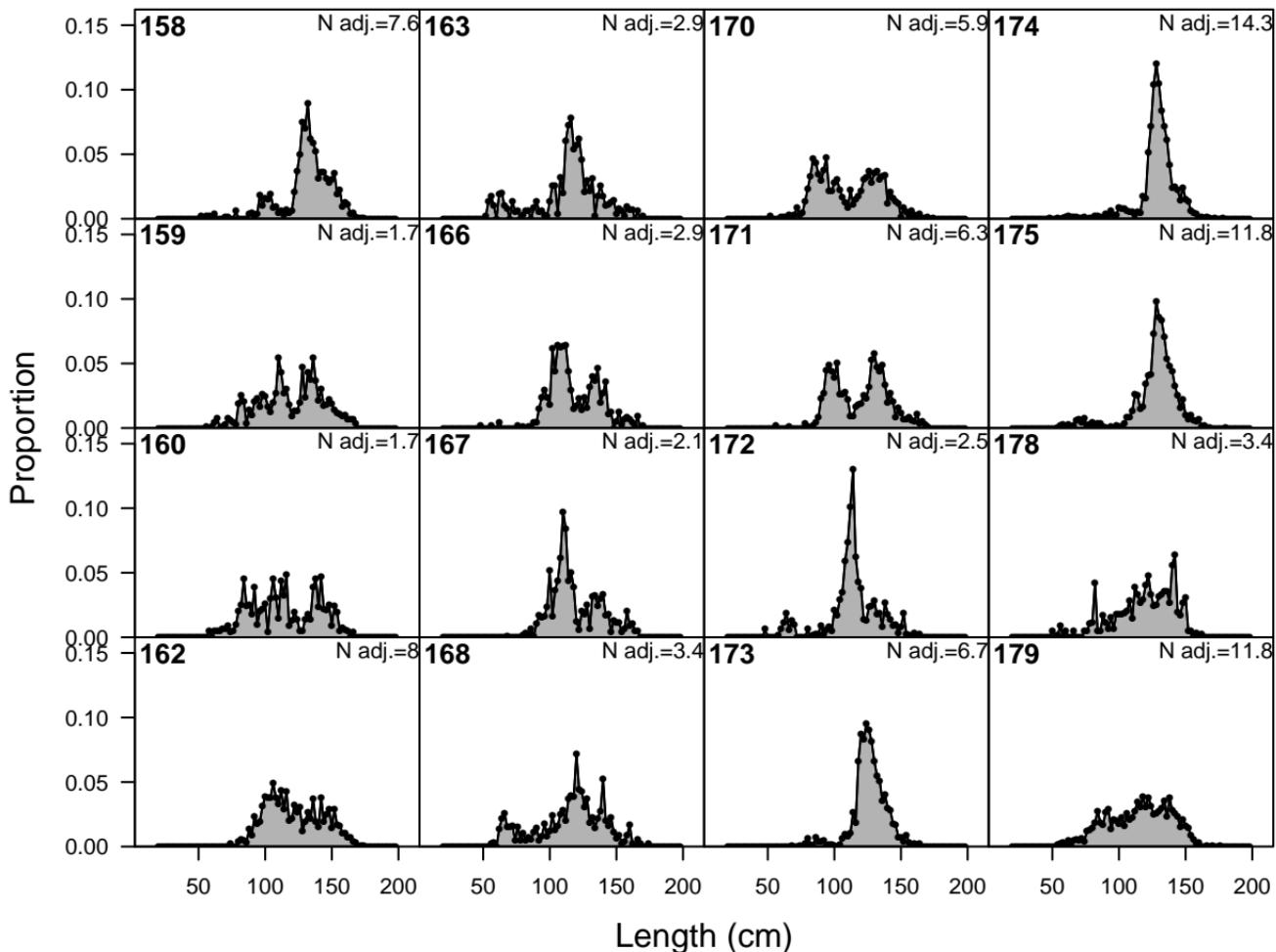




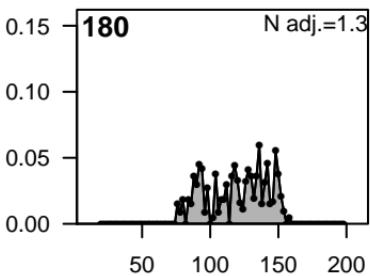
Proportion



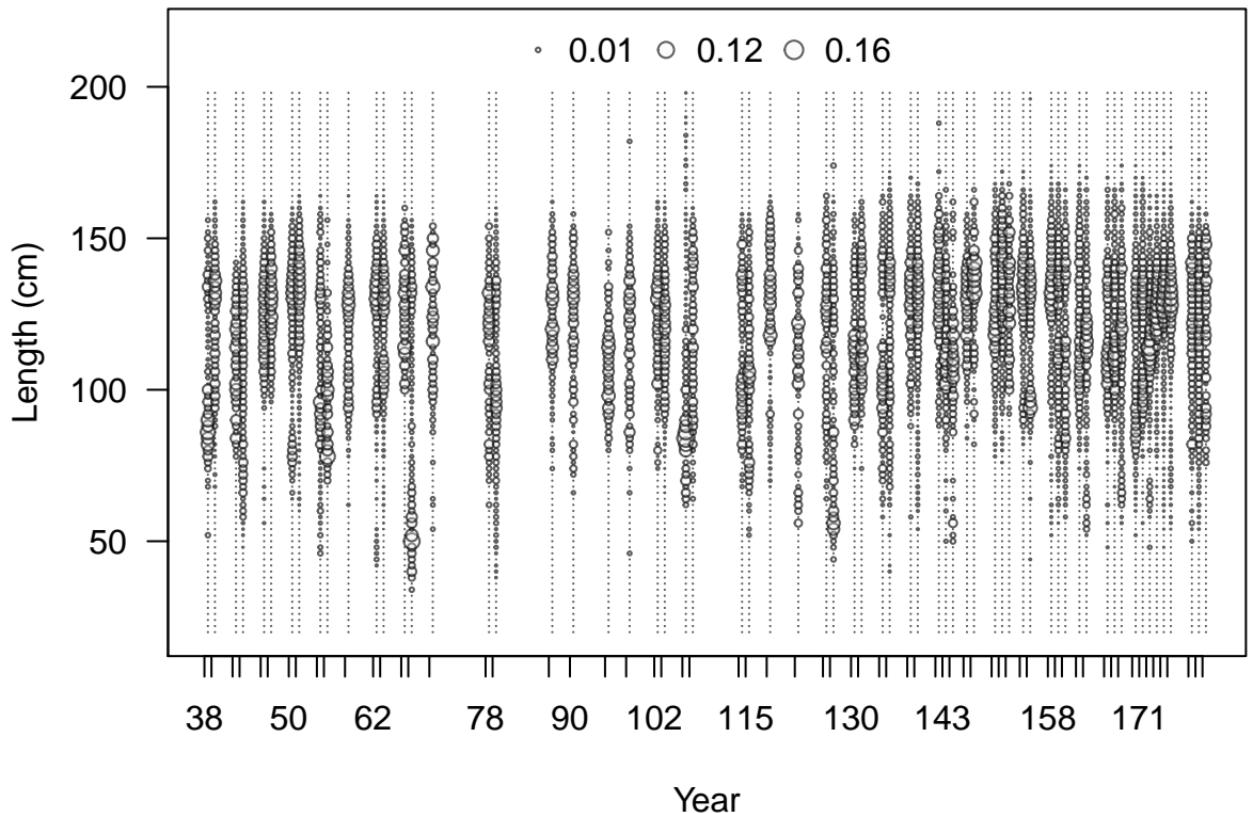




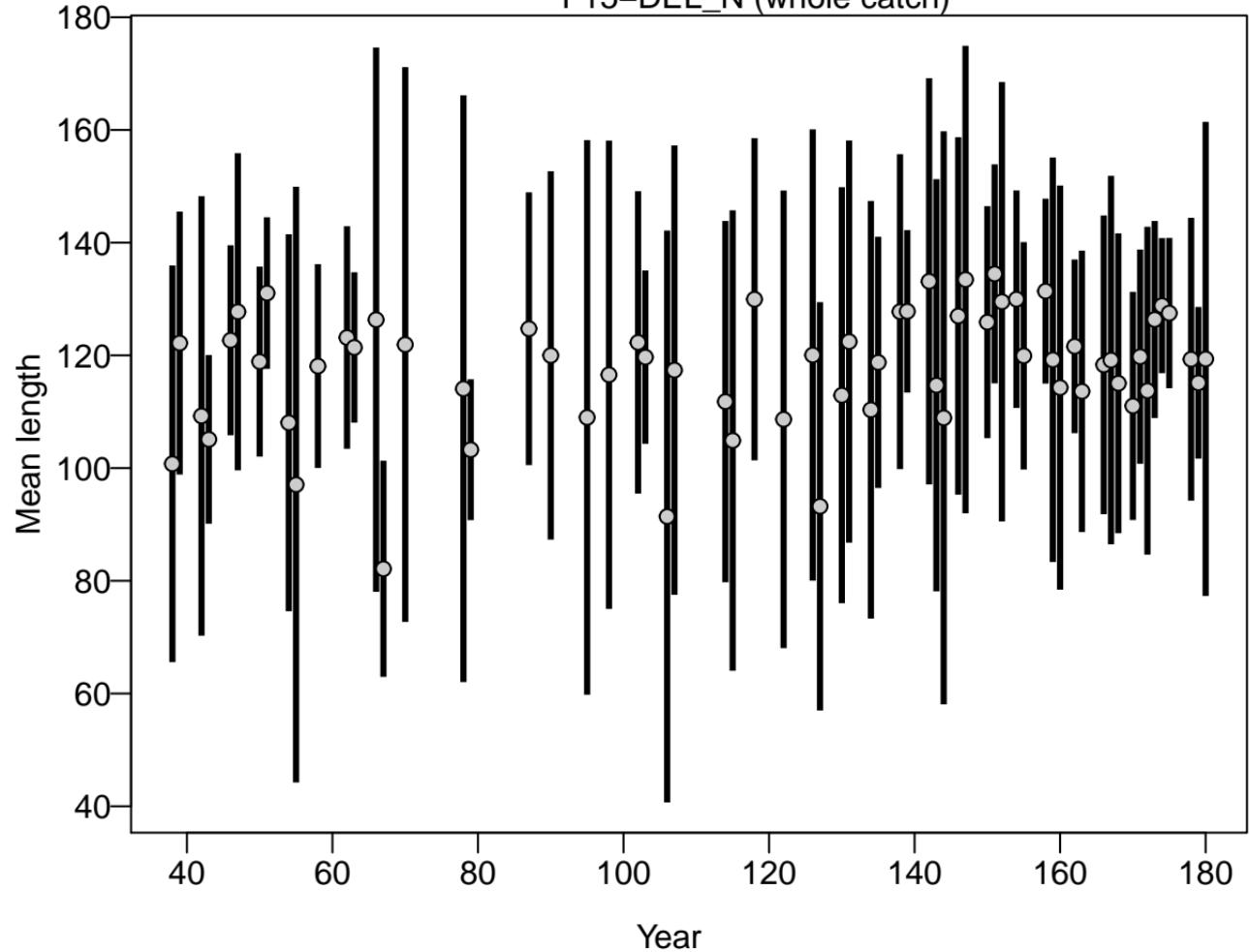
Proportion

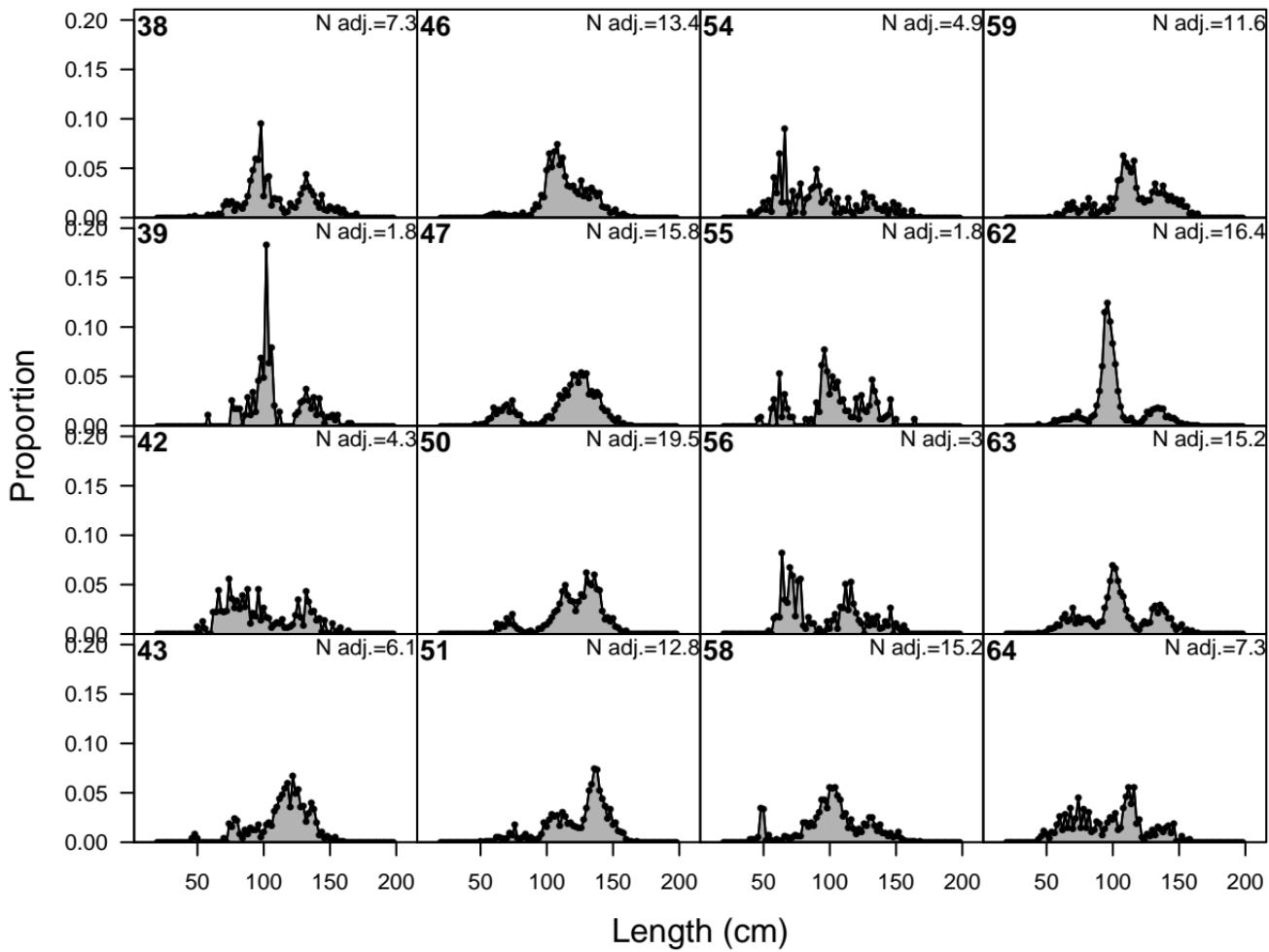


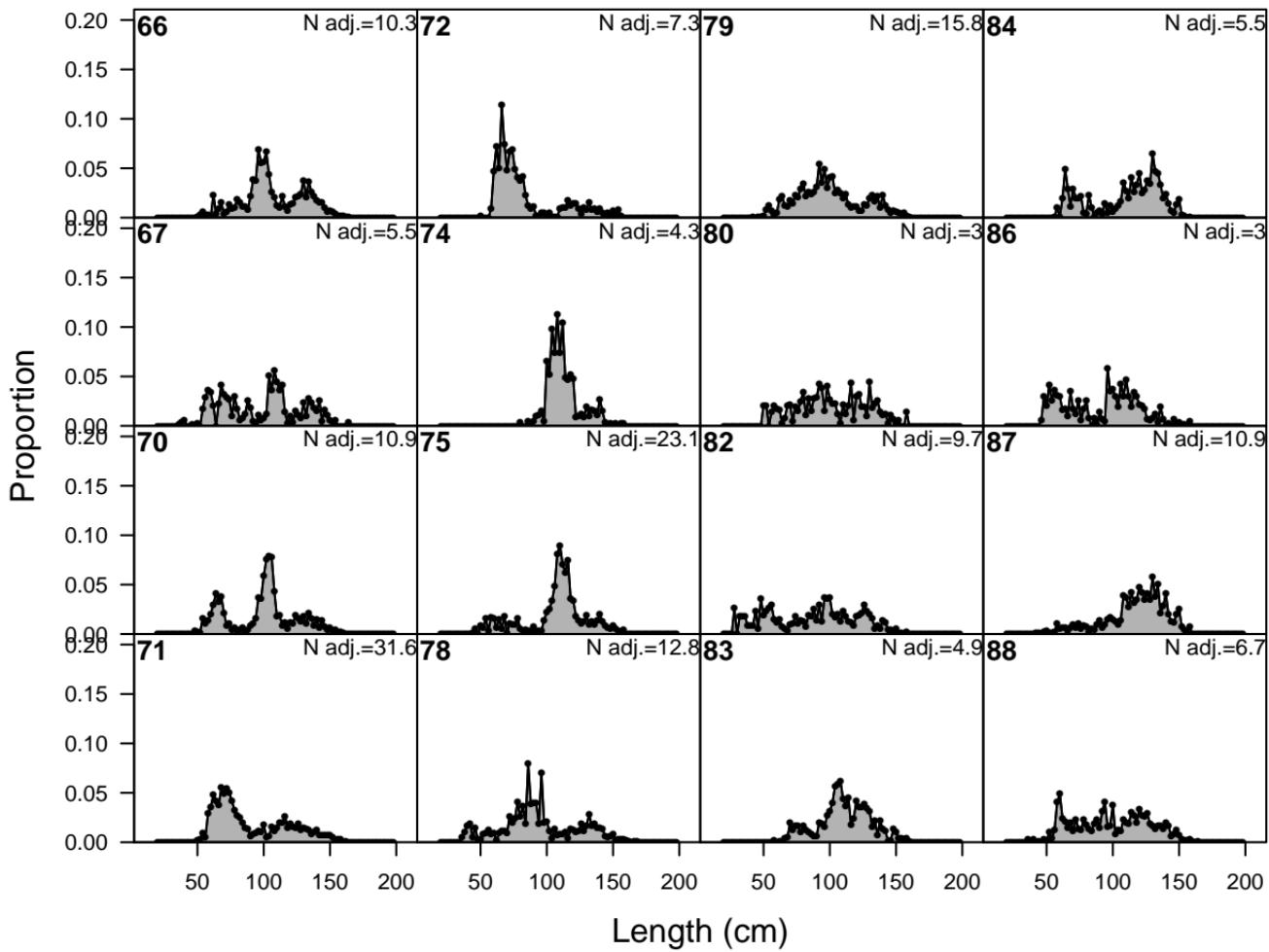
Length (cm)

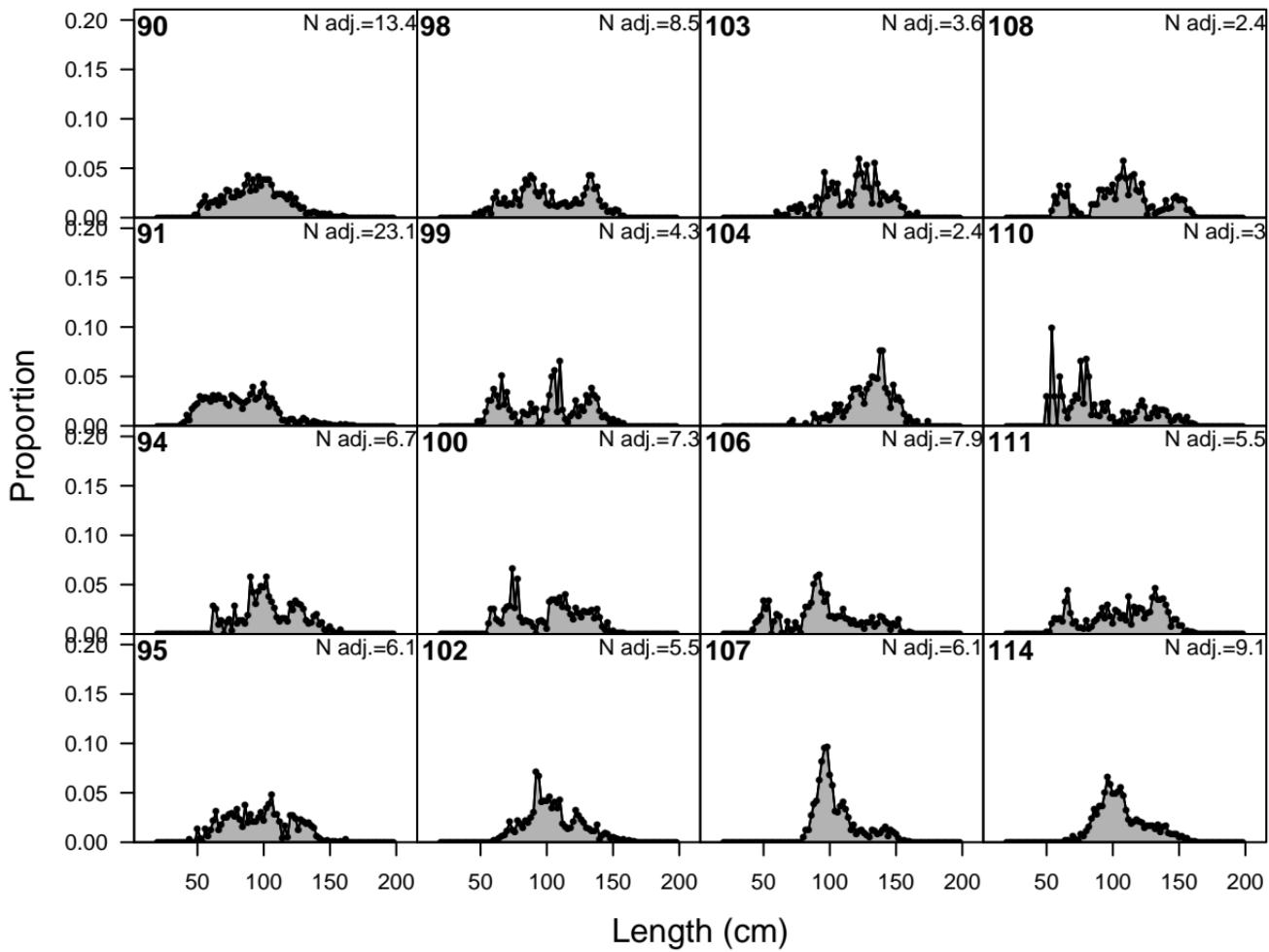


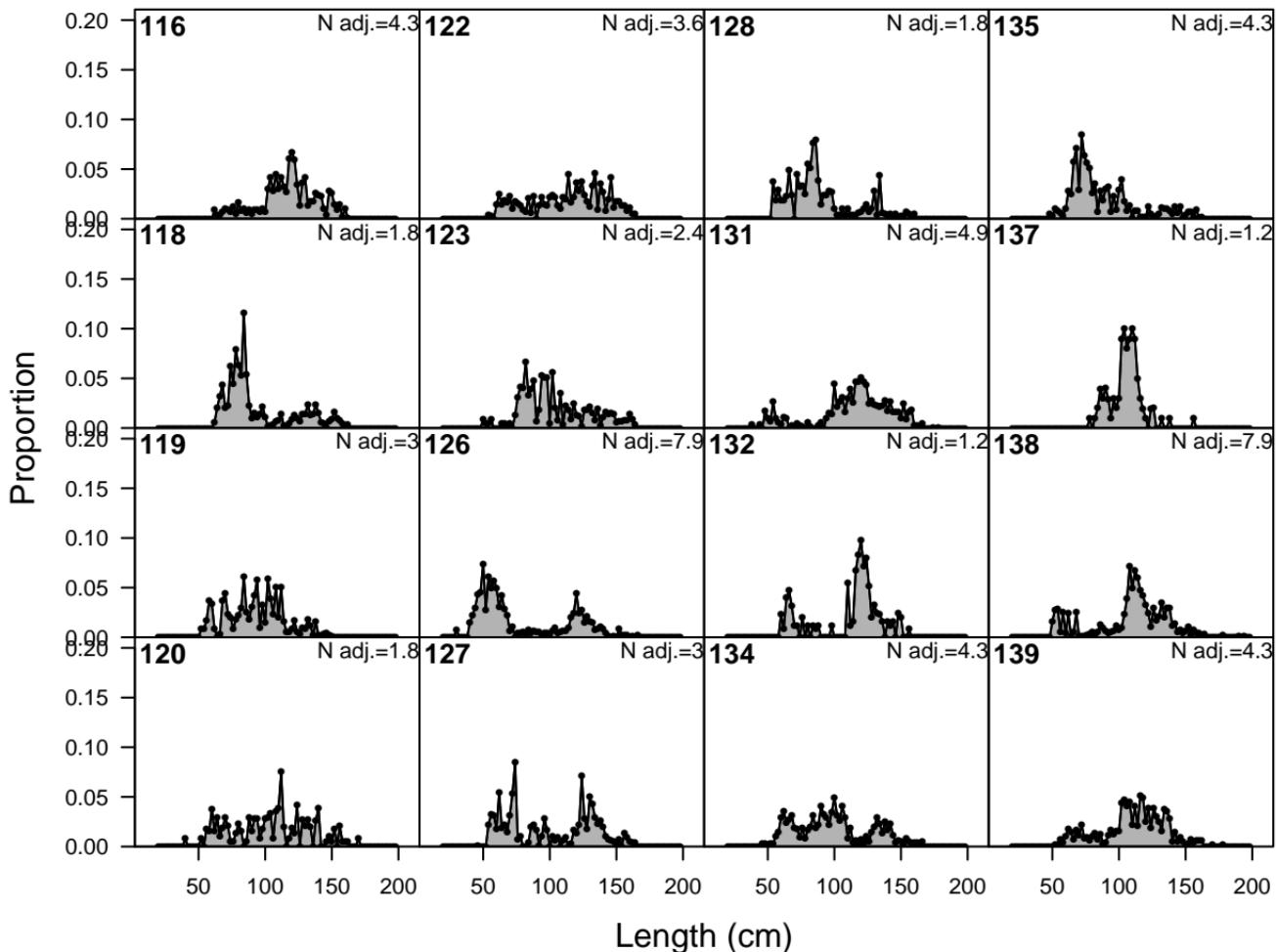
F15-DEL_N (whole catch)

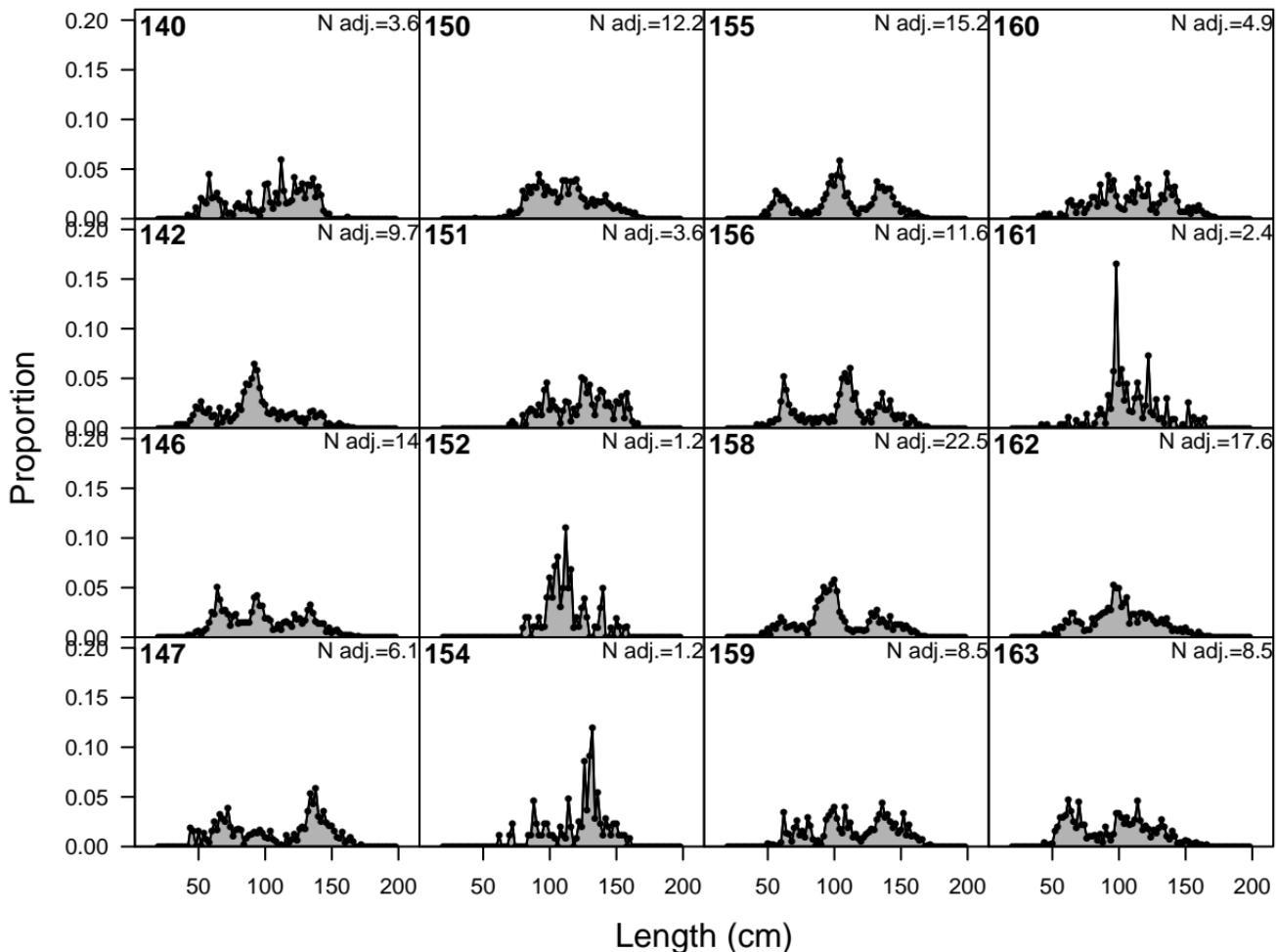


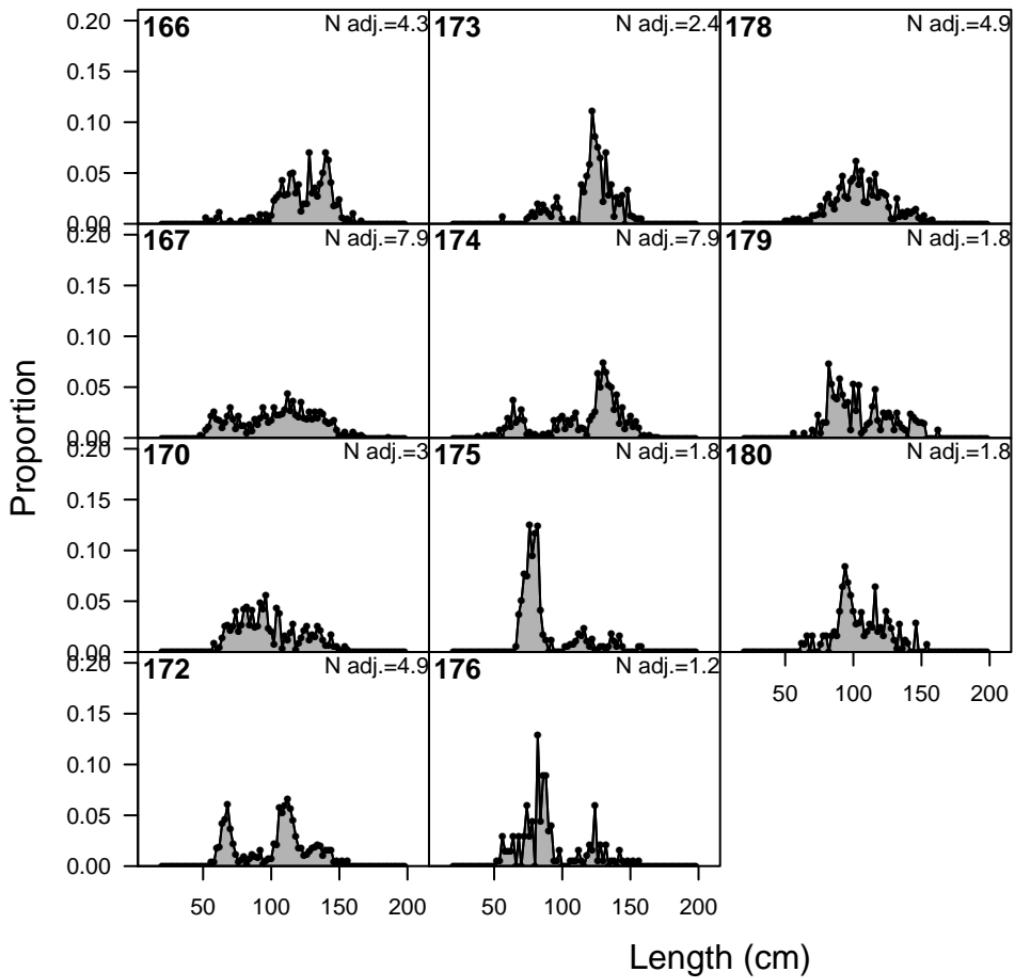


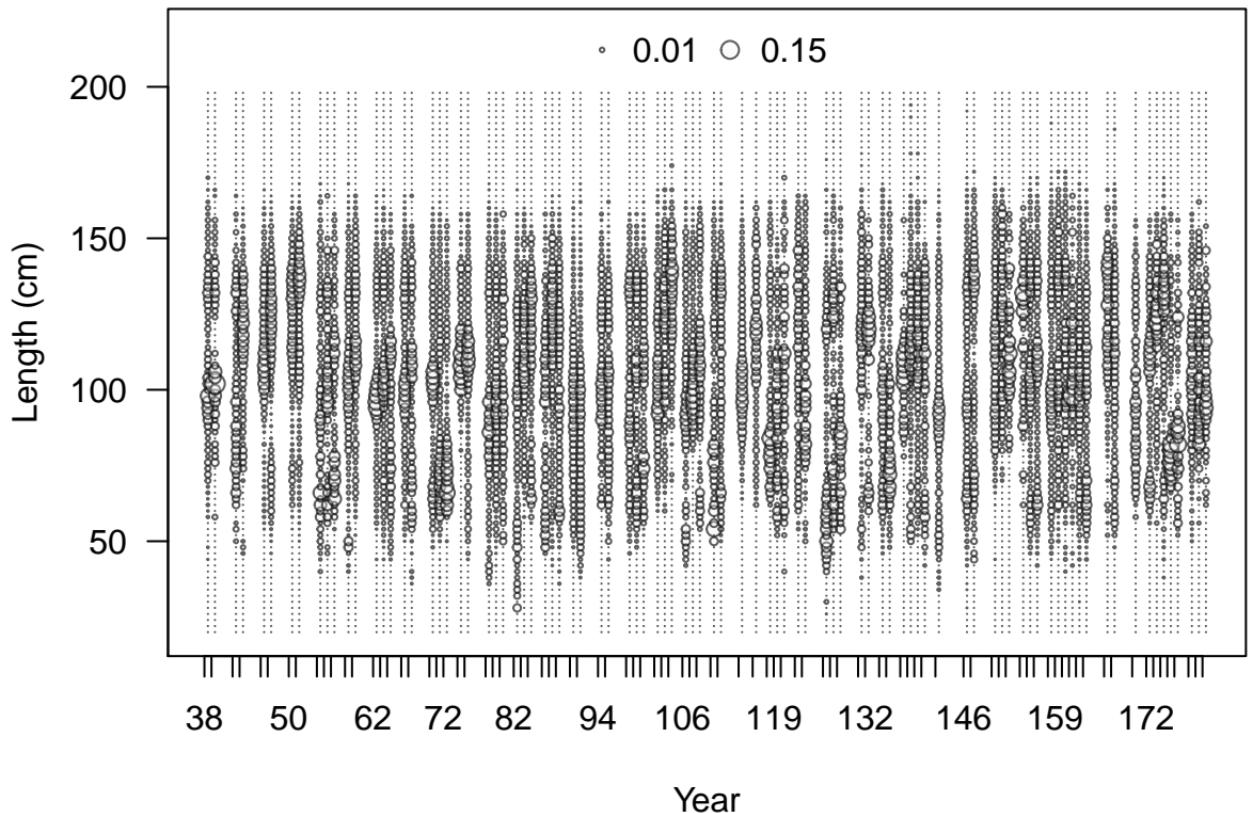




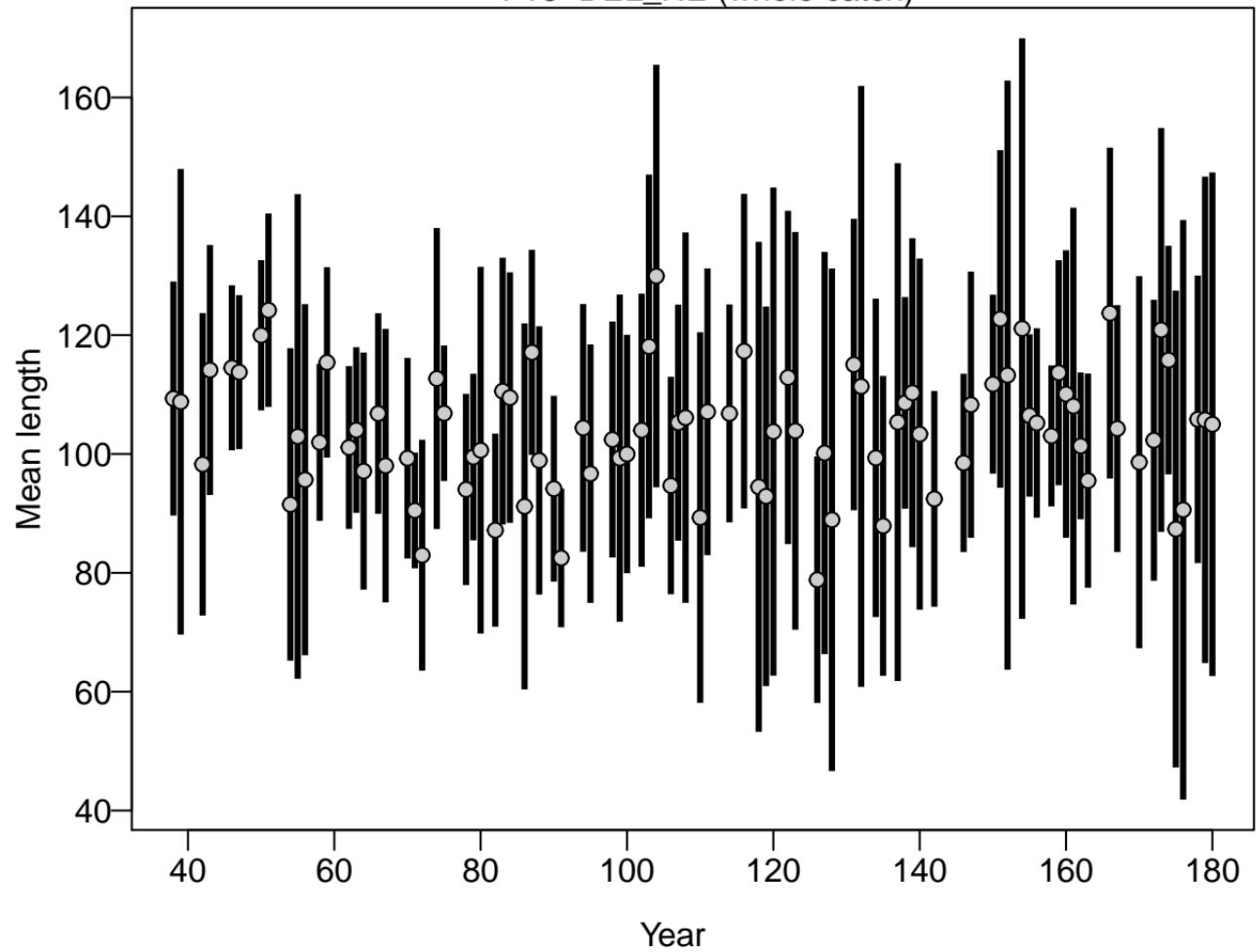




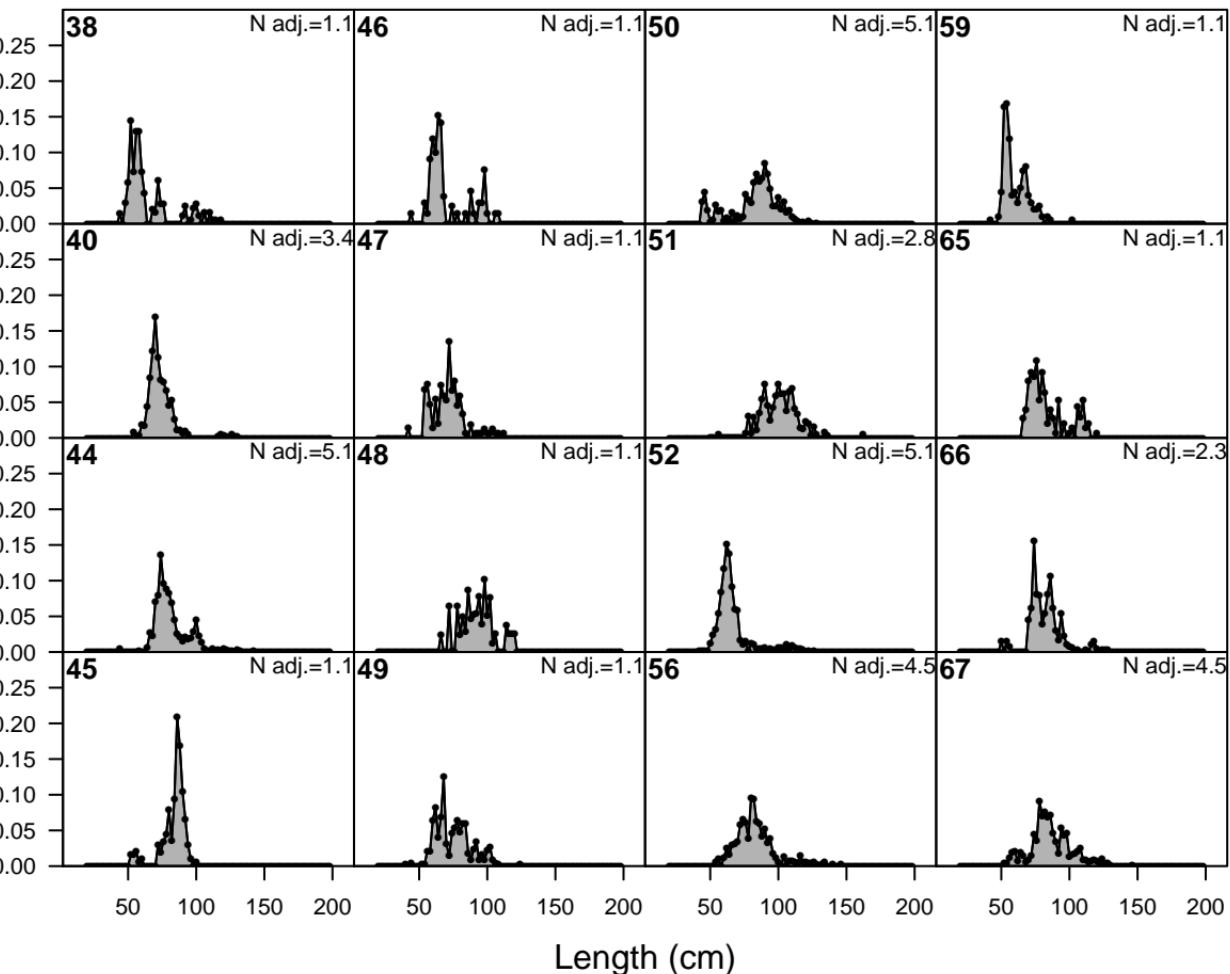


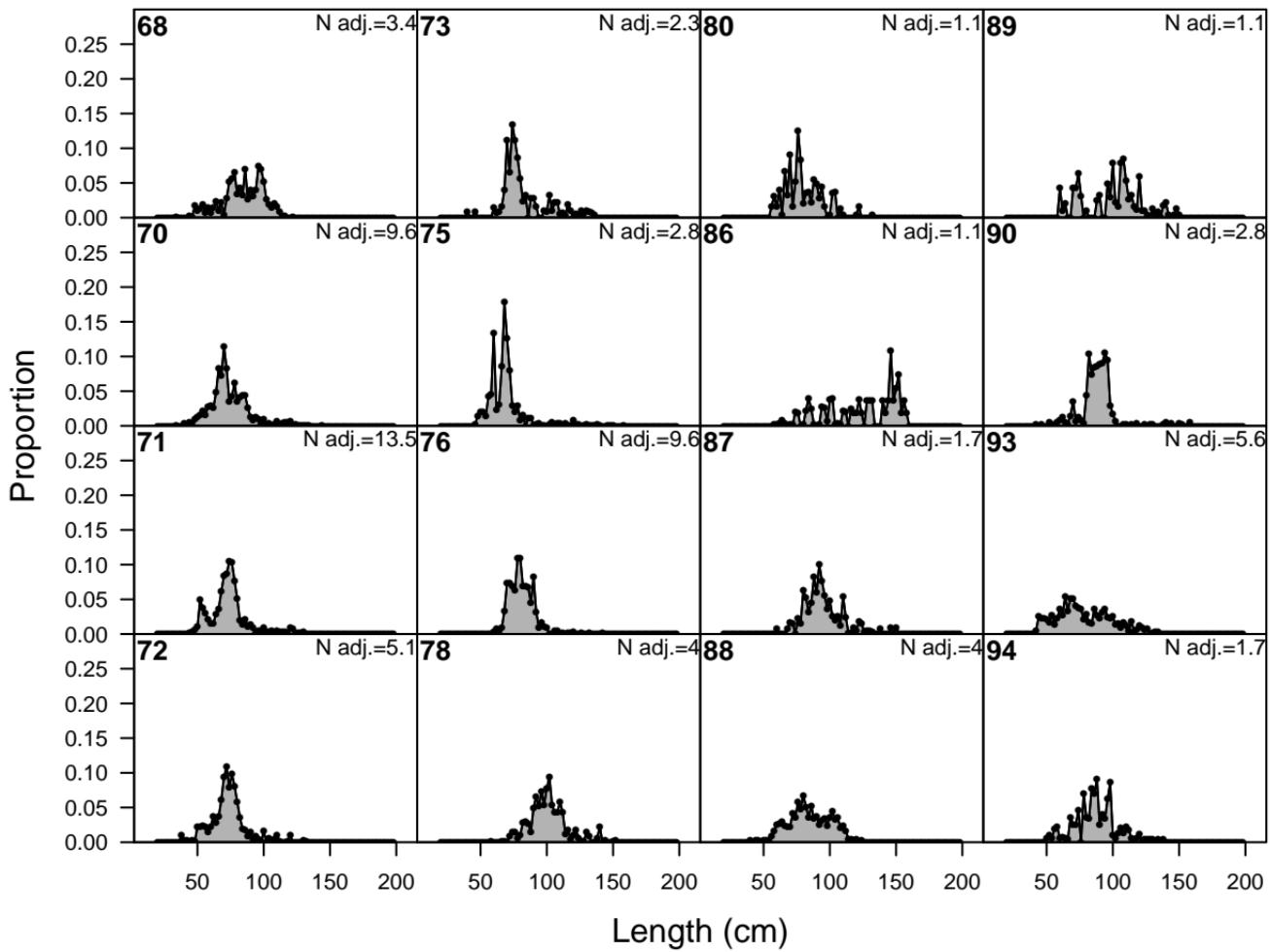


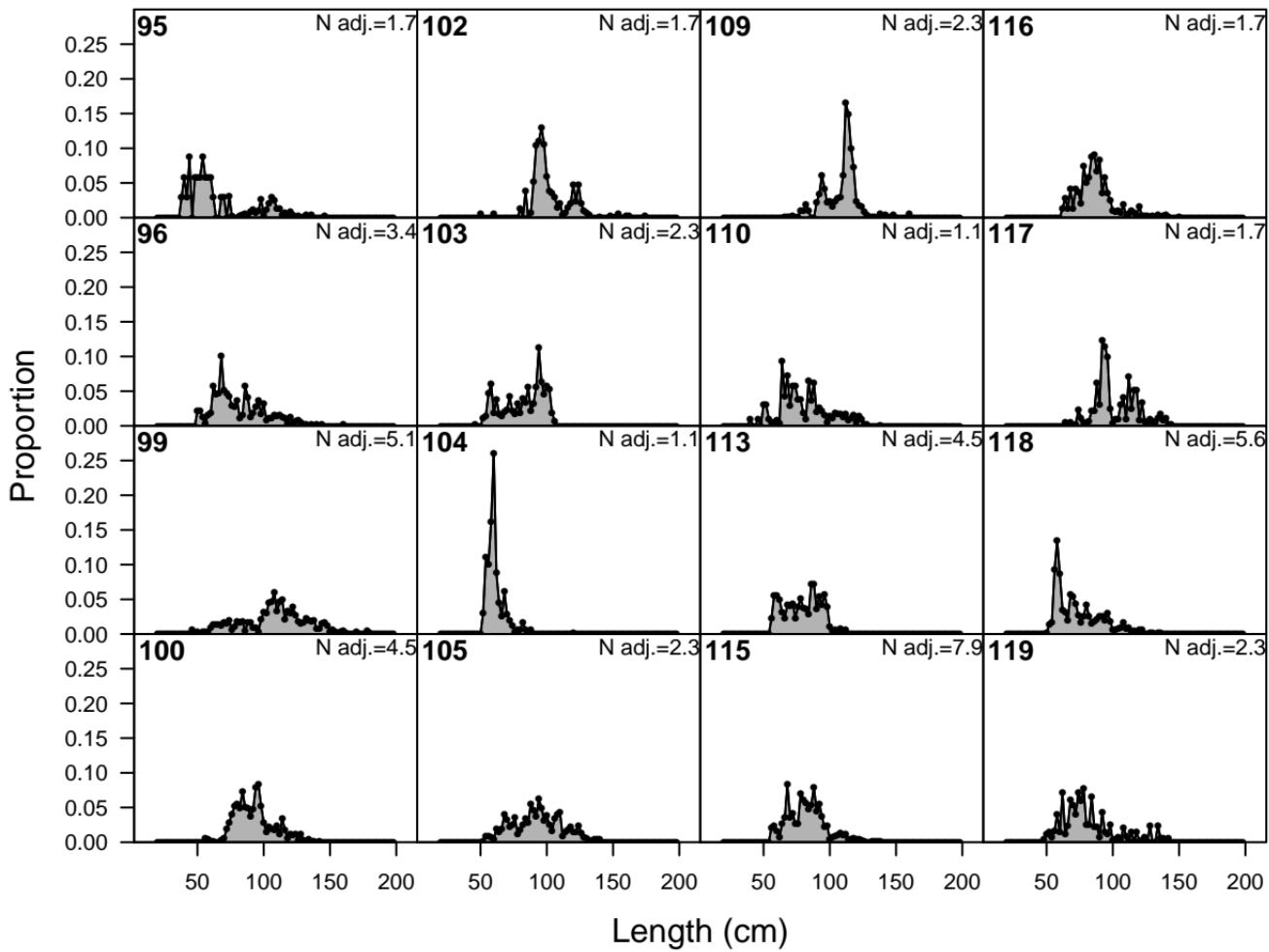
F16-DEL_NE (whole catch)

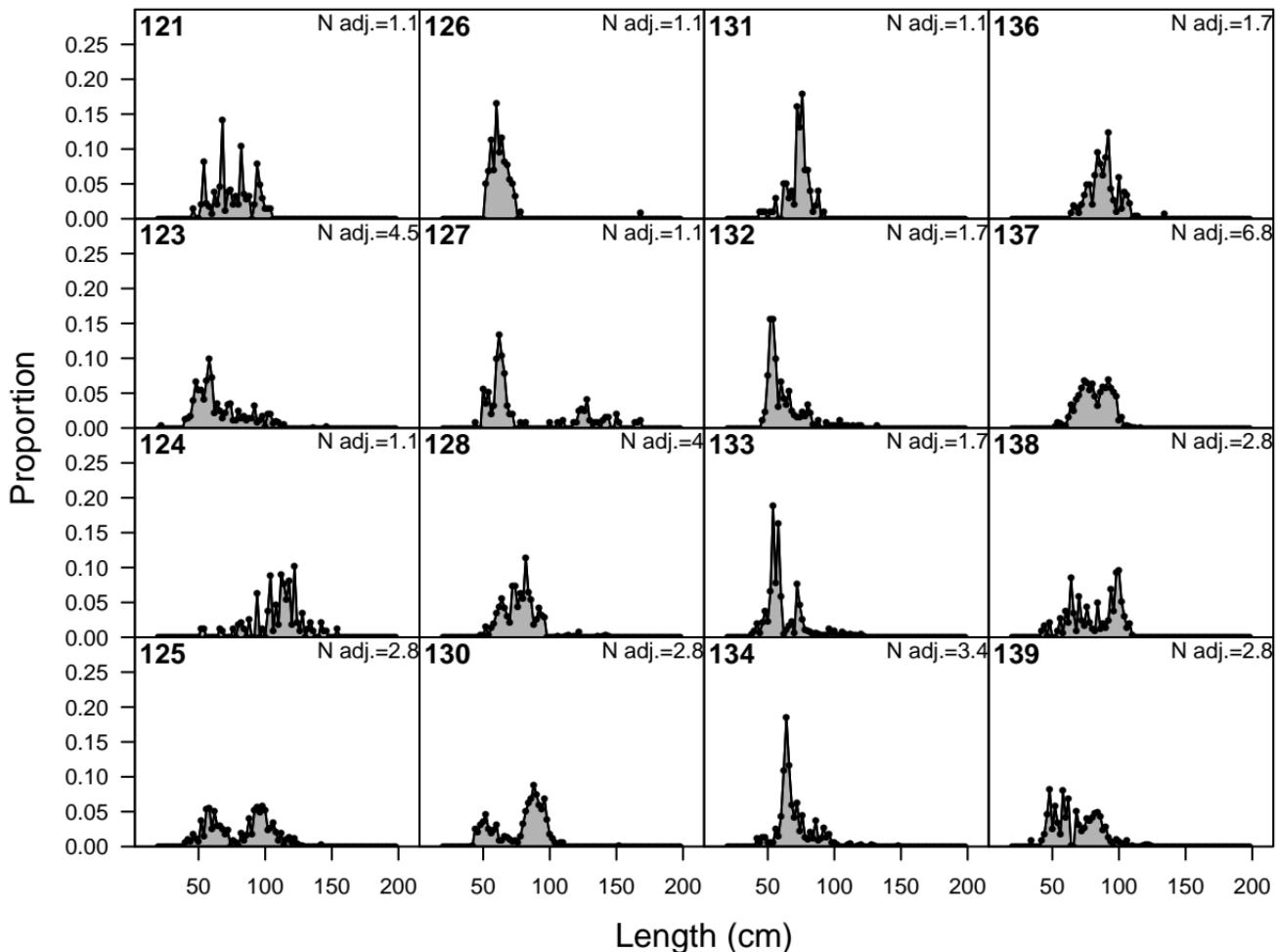


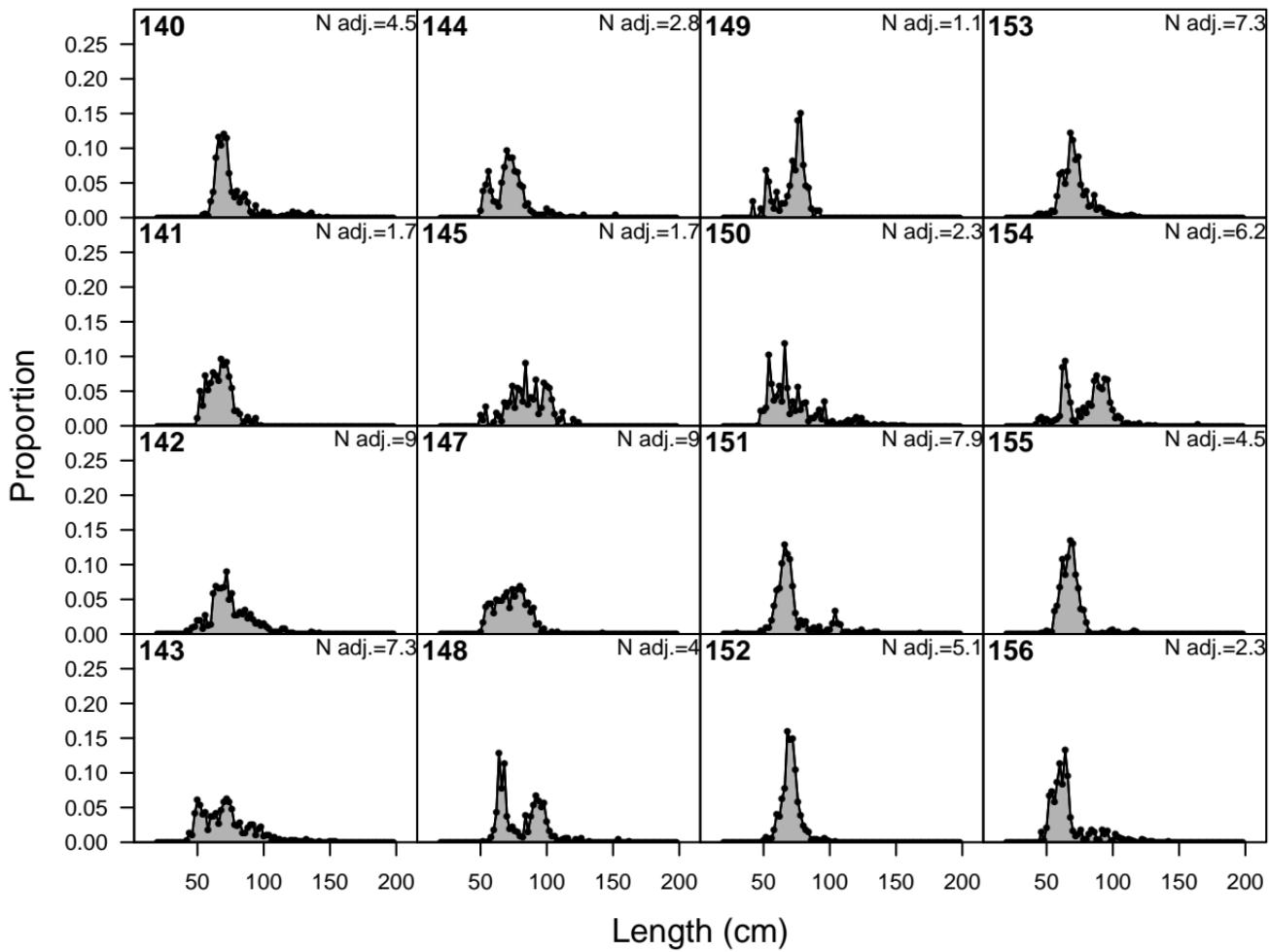
Proportion

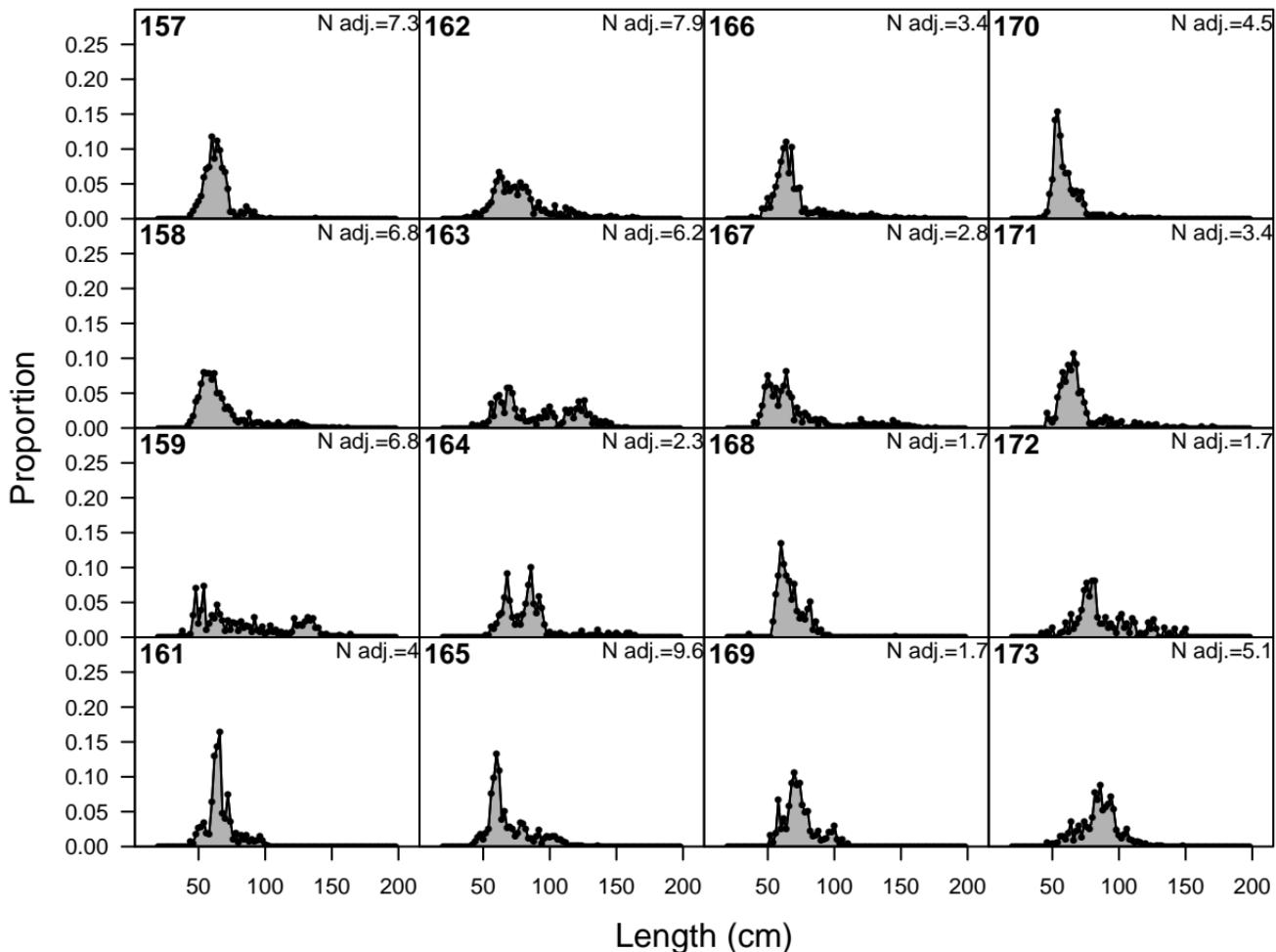


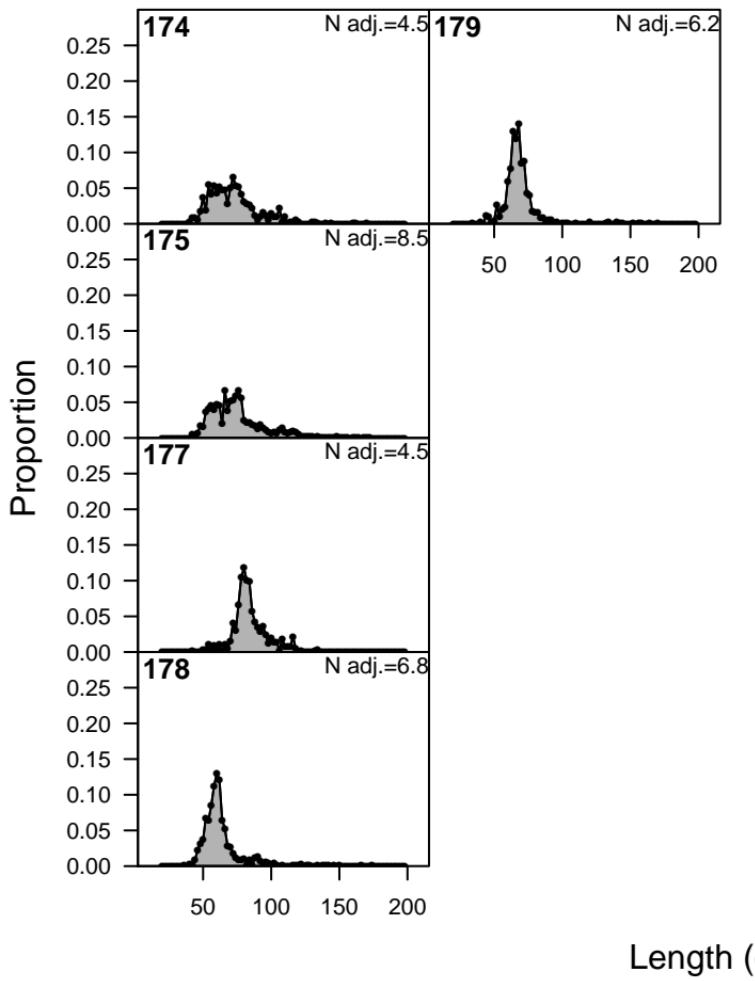


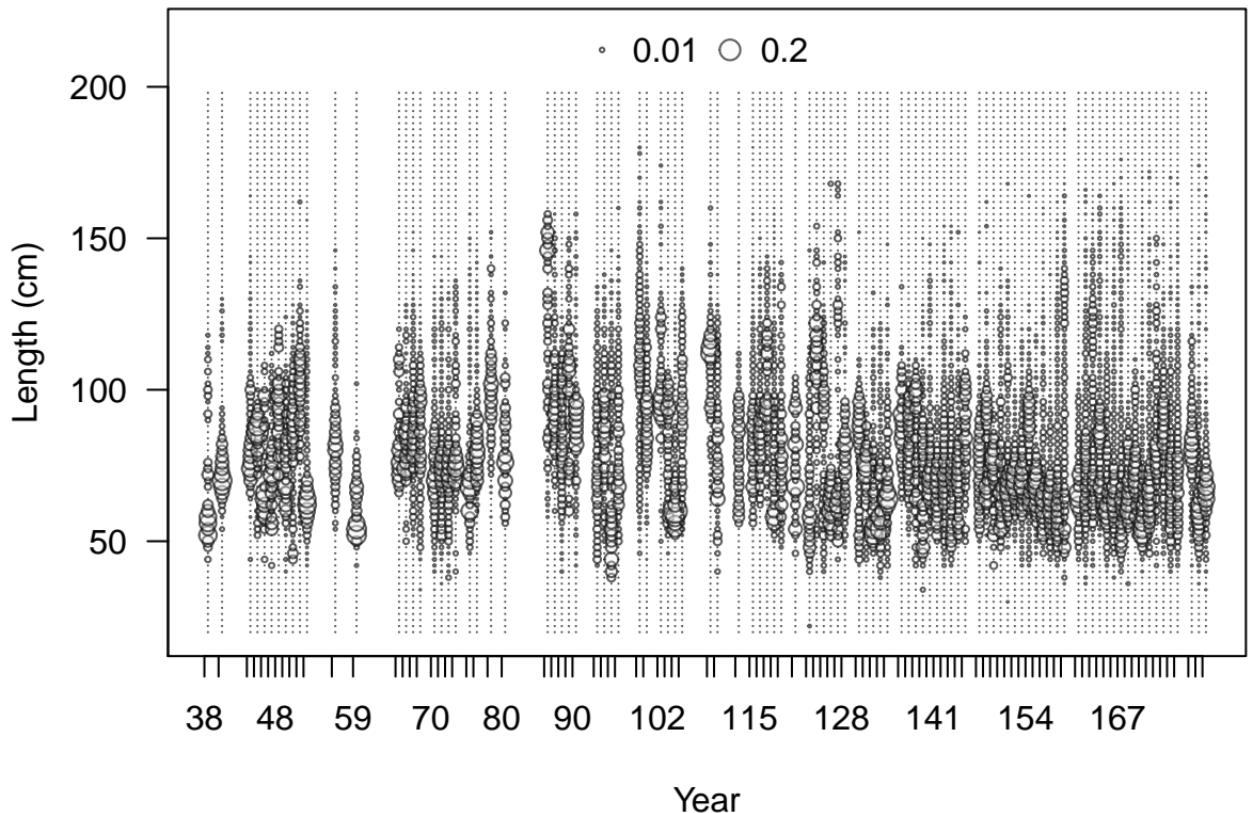




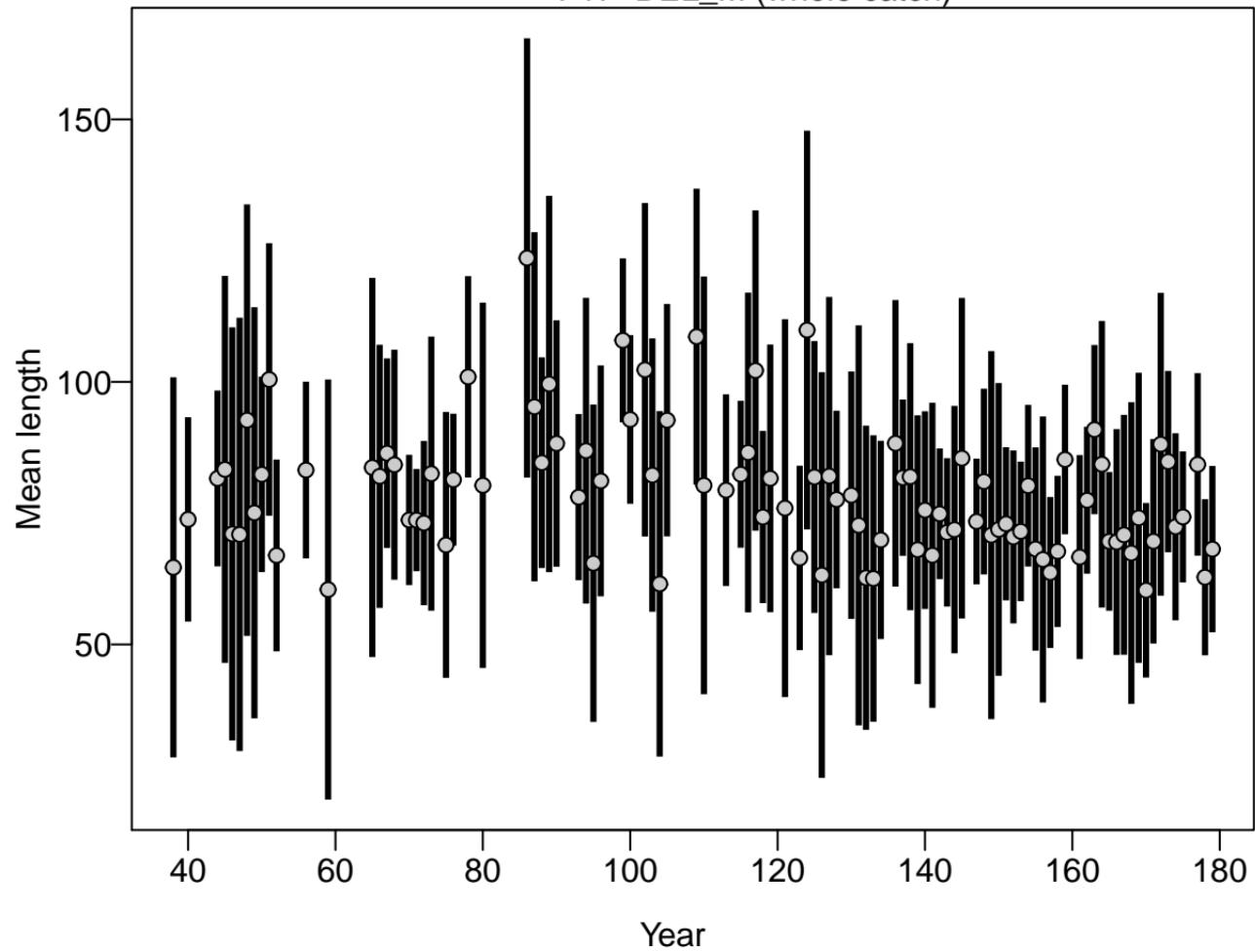


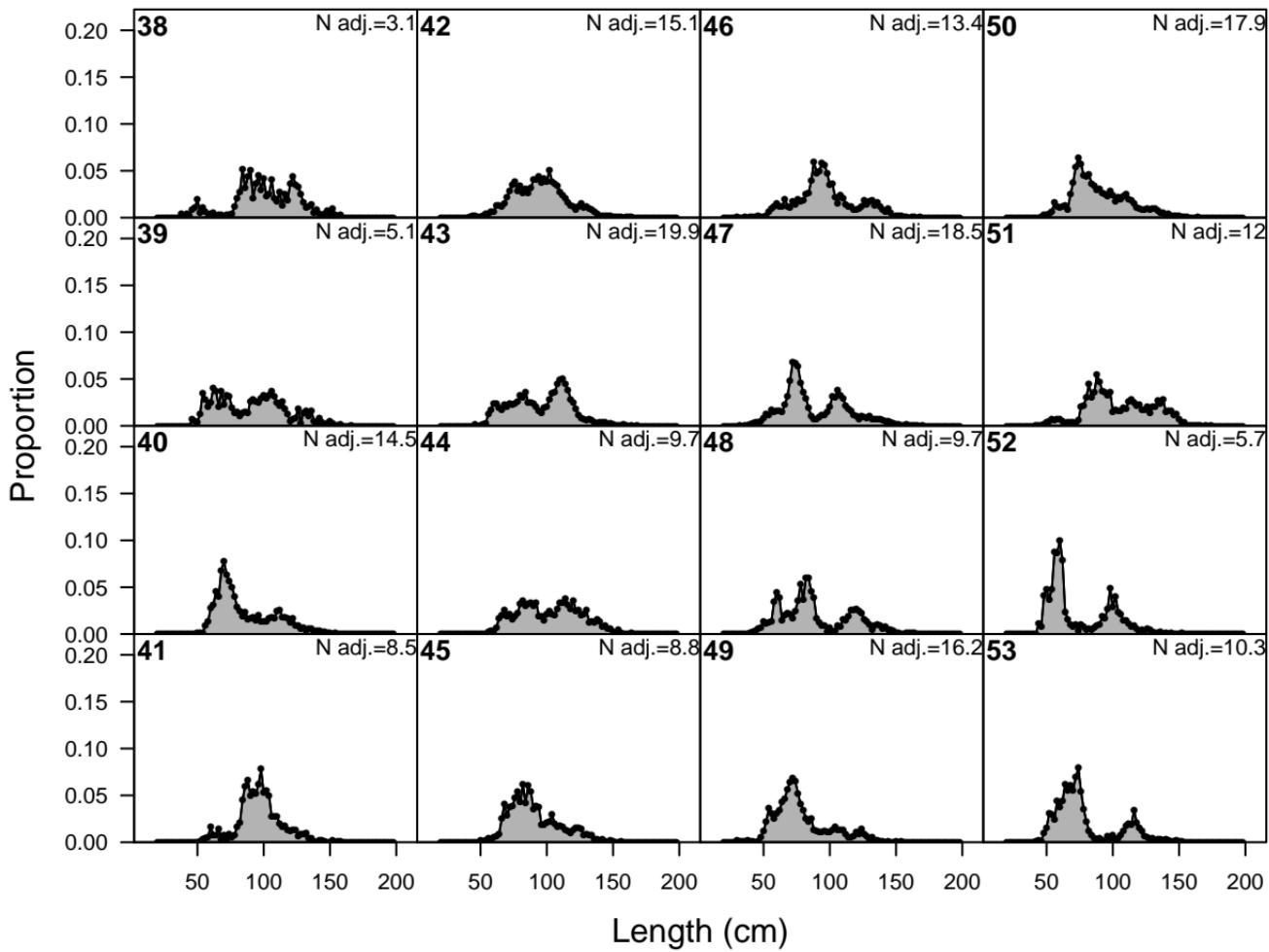


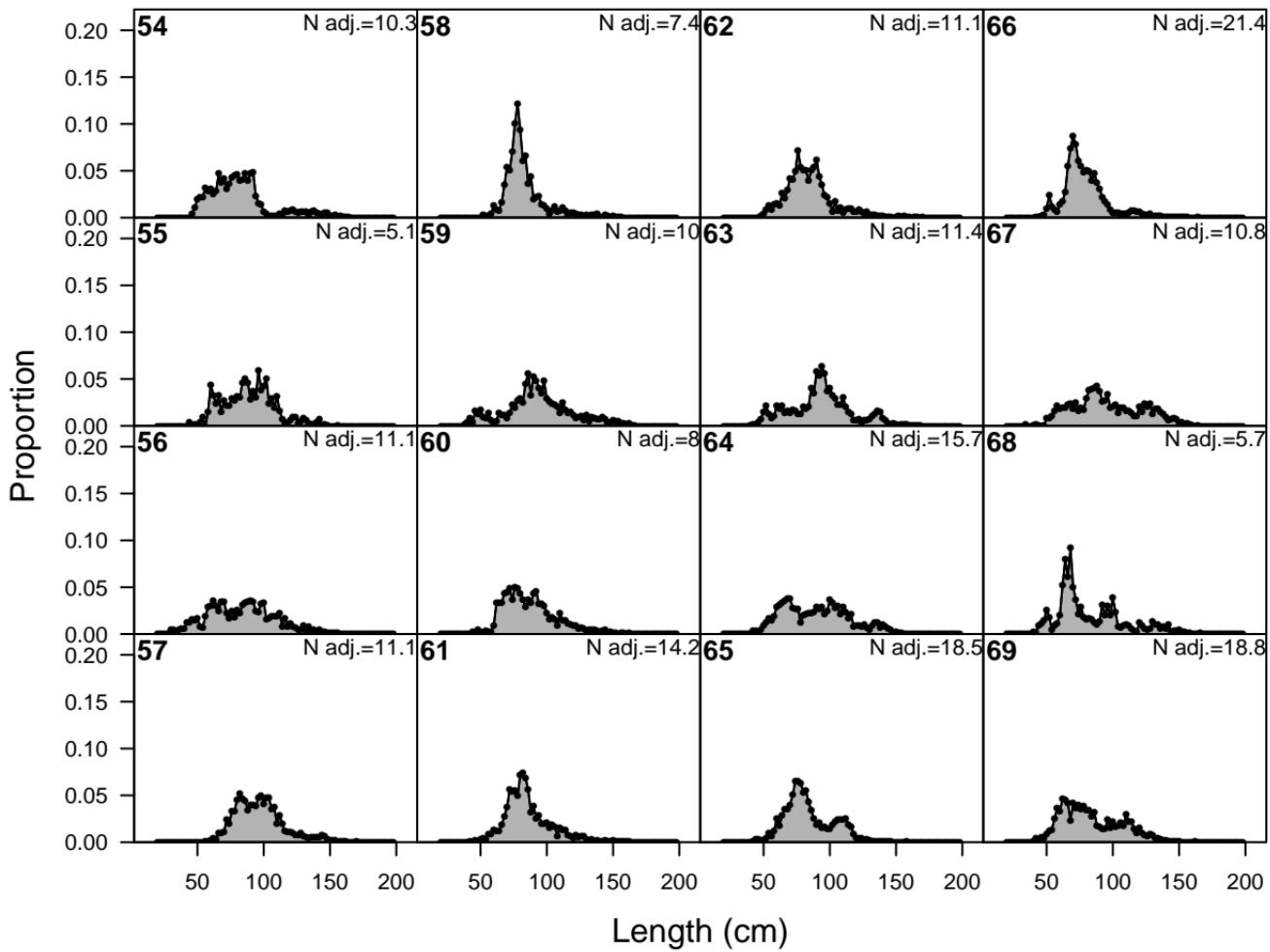


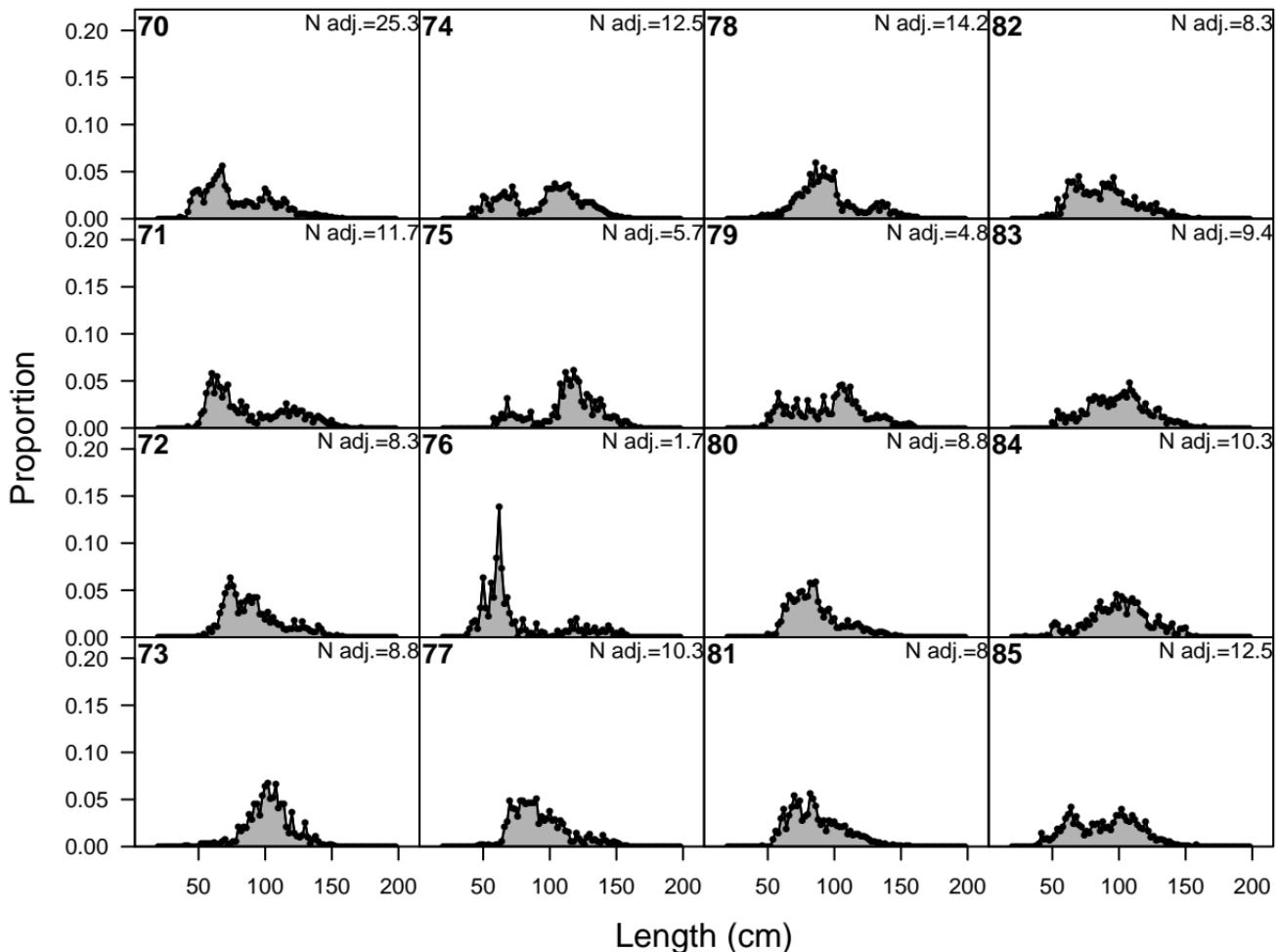


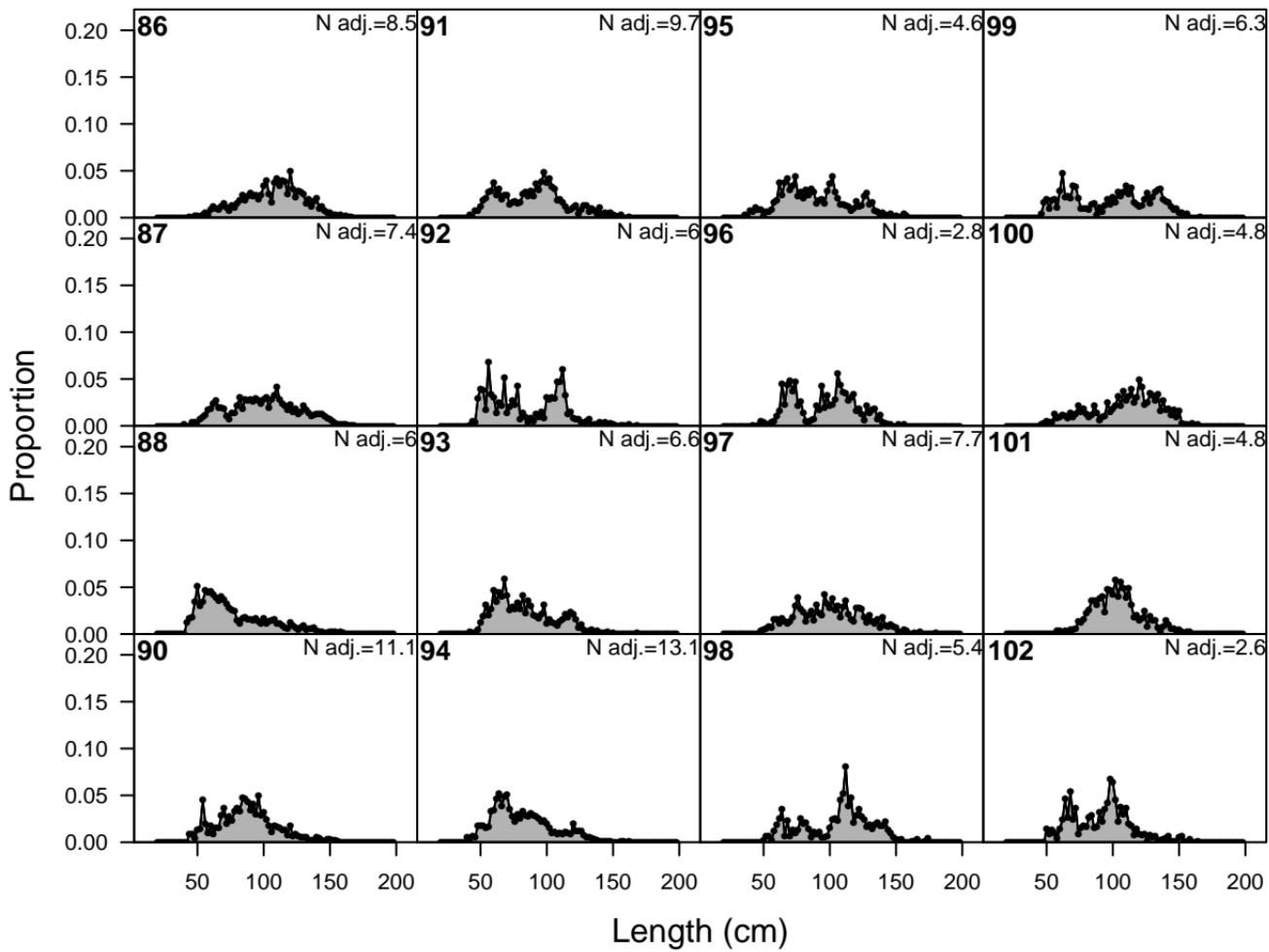
F17-DEL_M (whole catch)

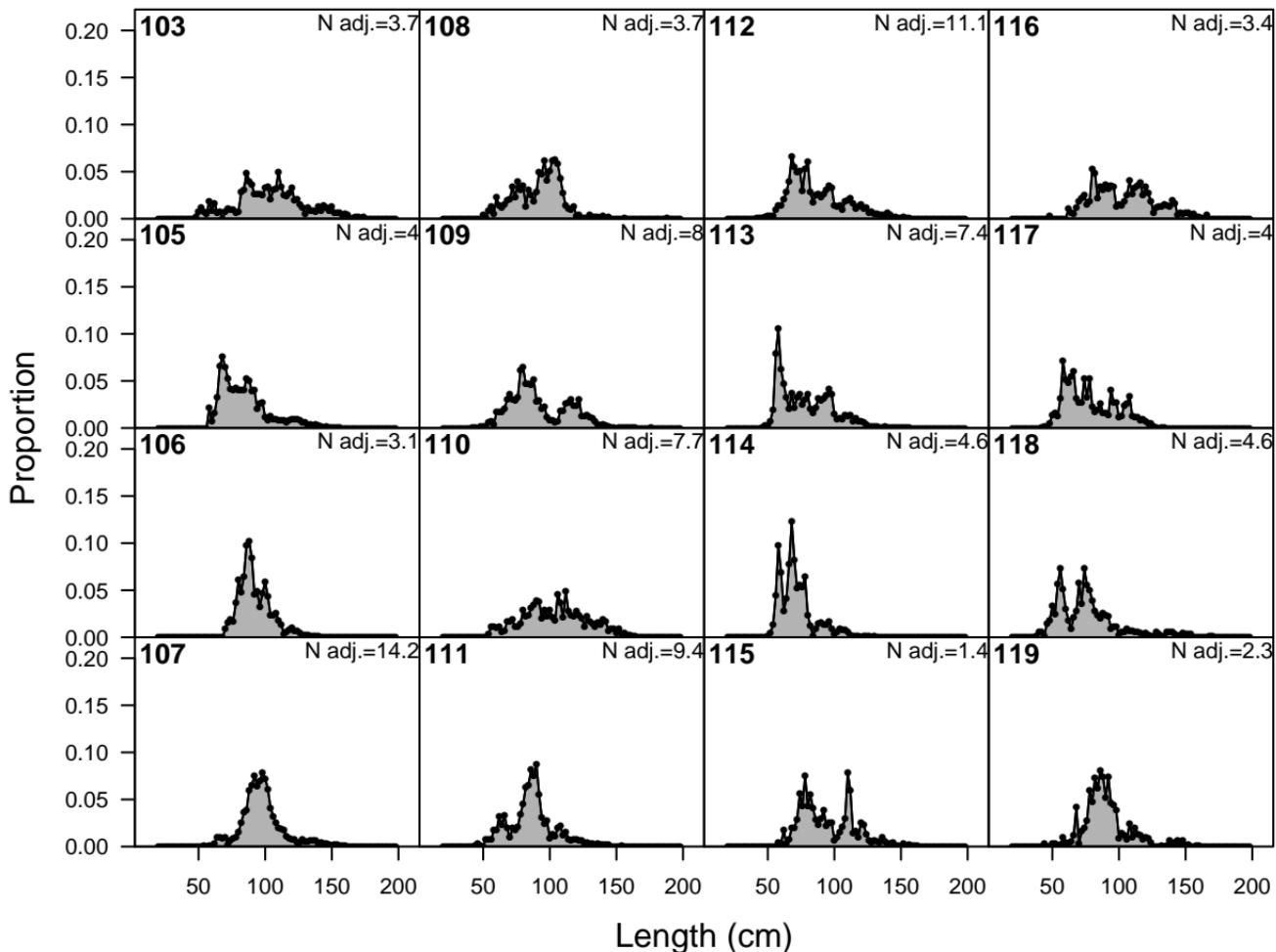


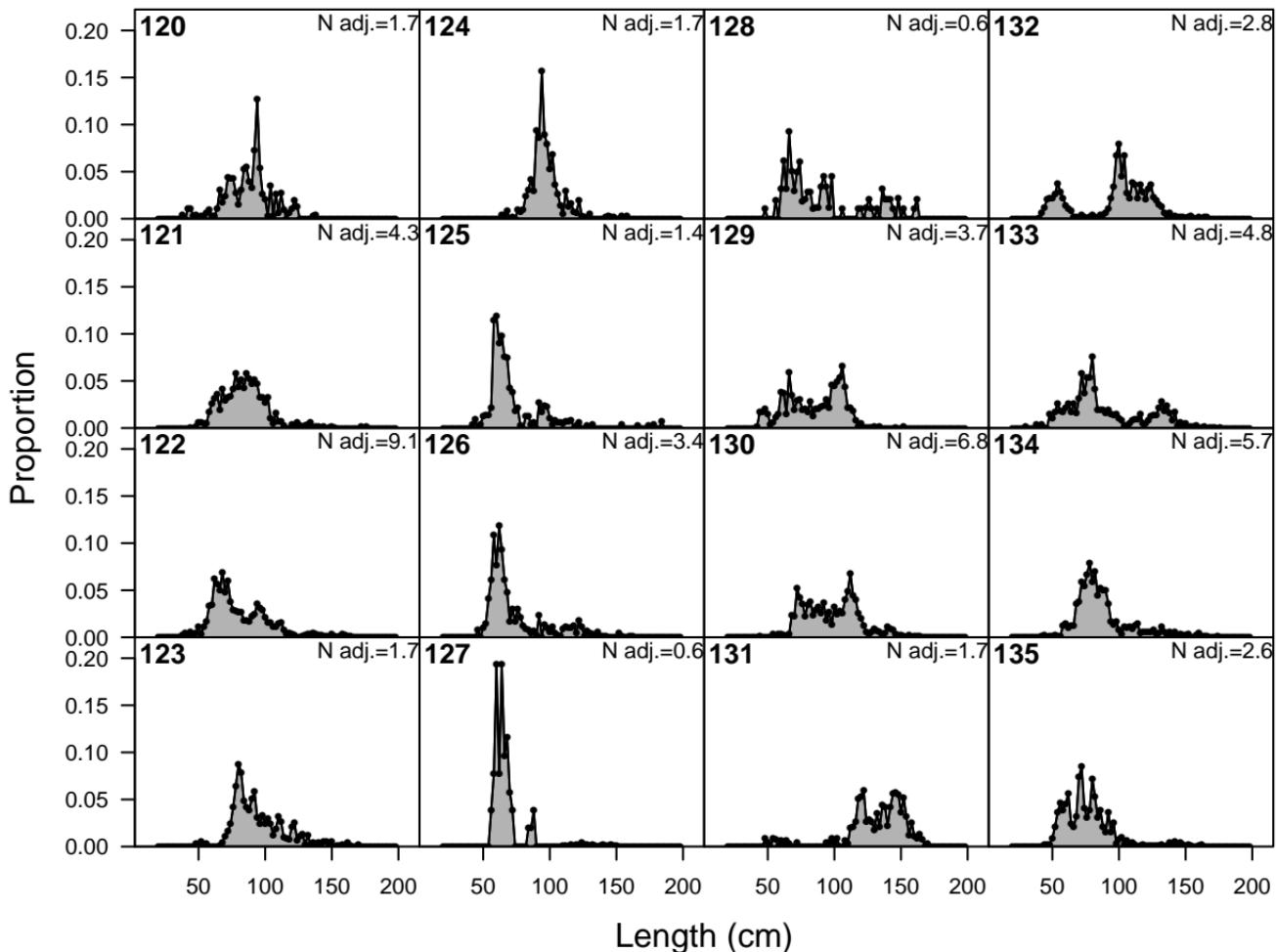


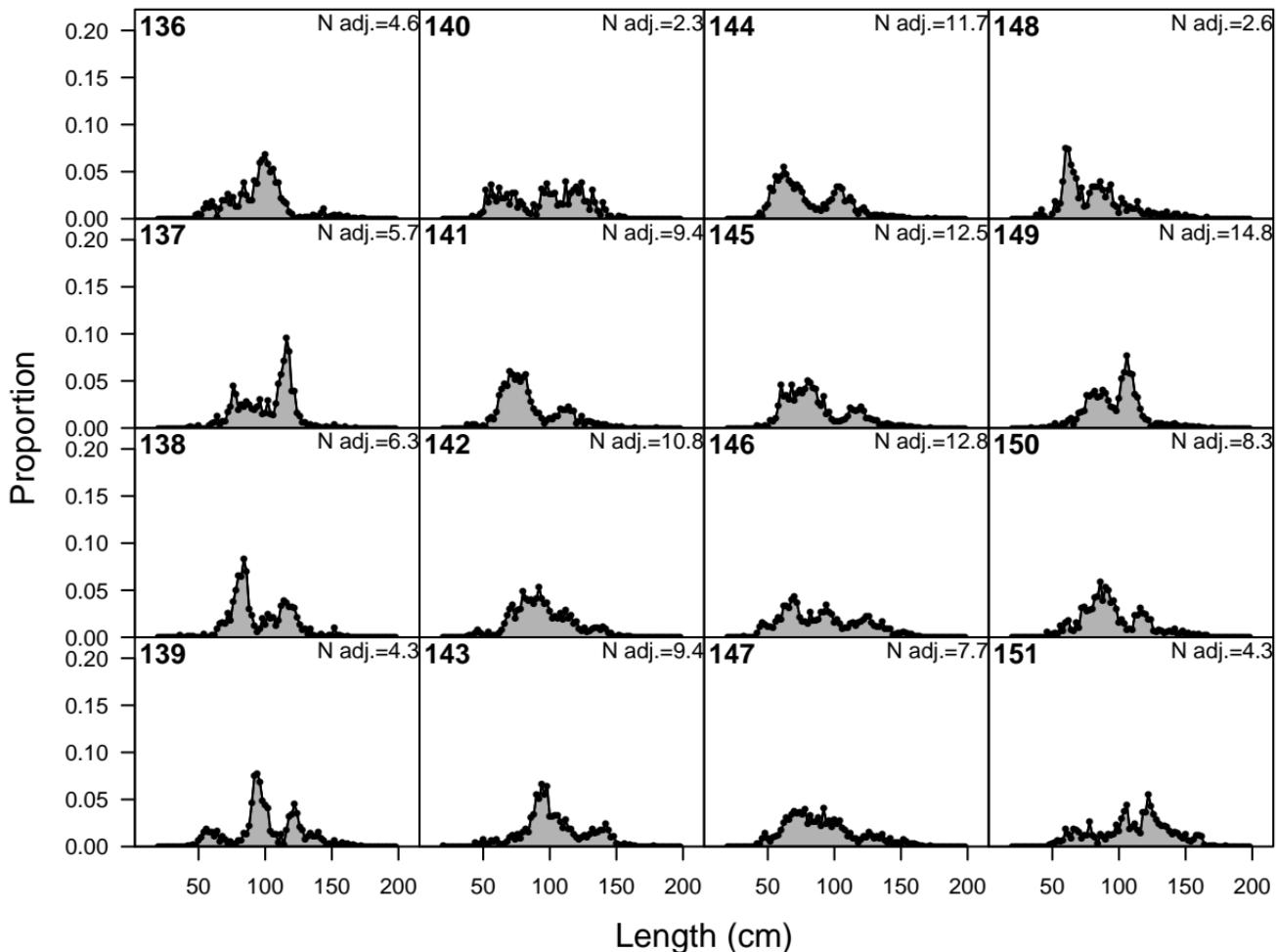


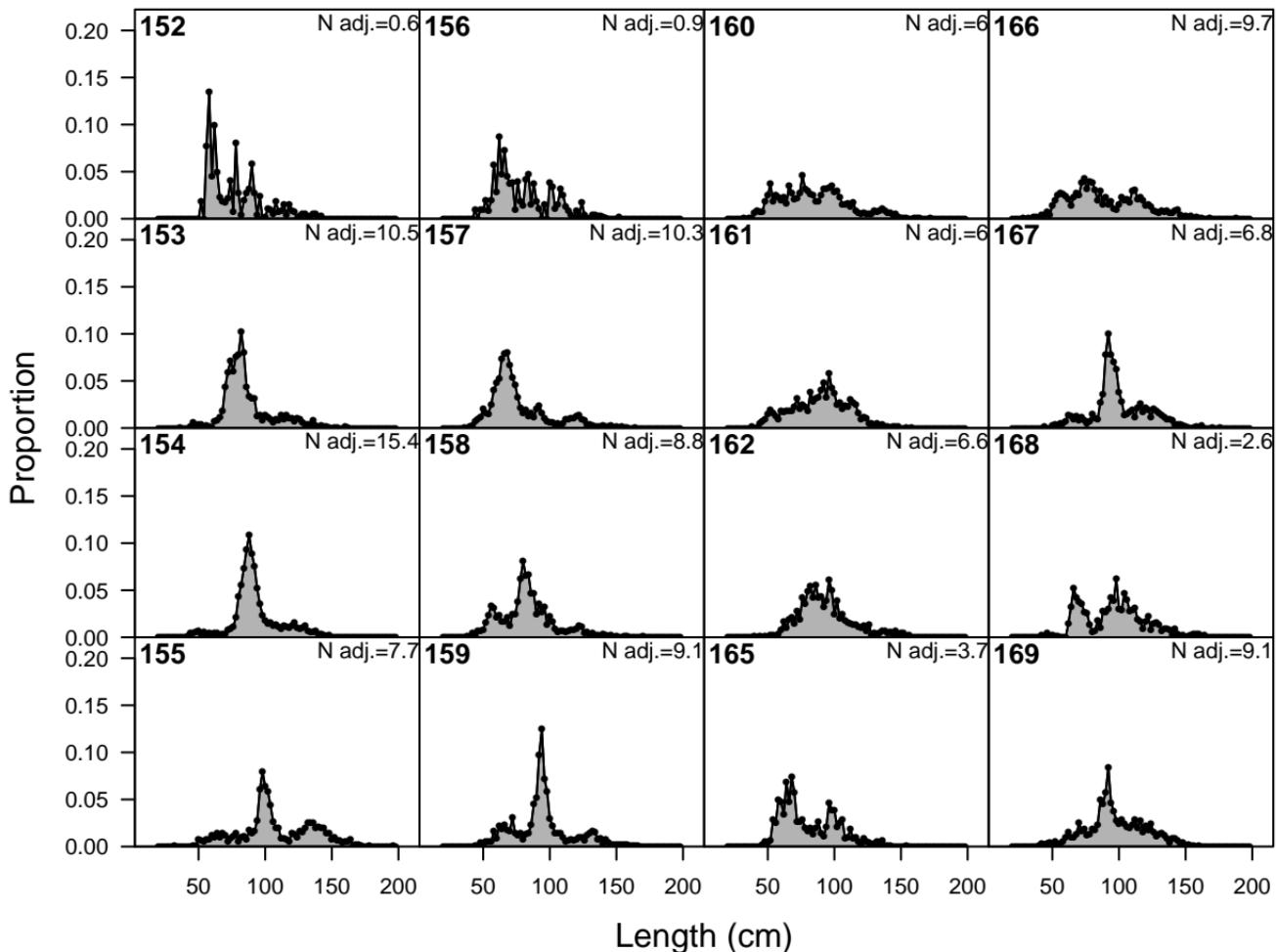


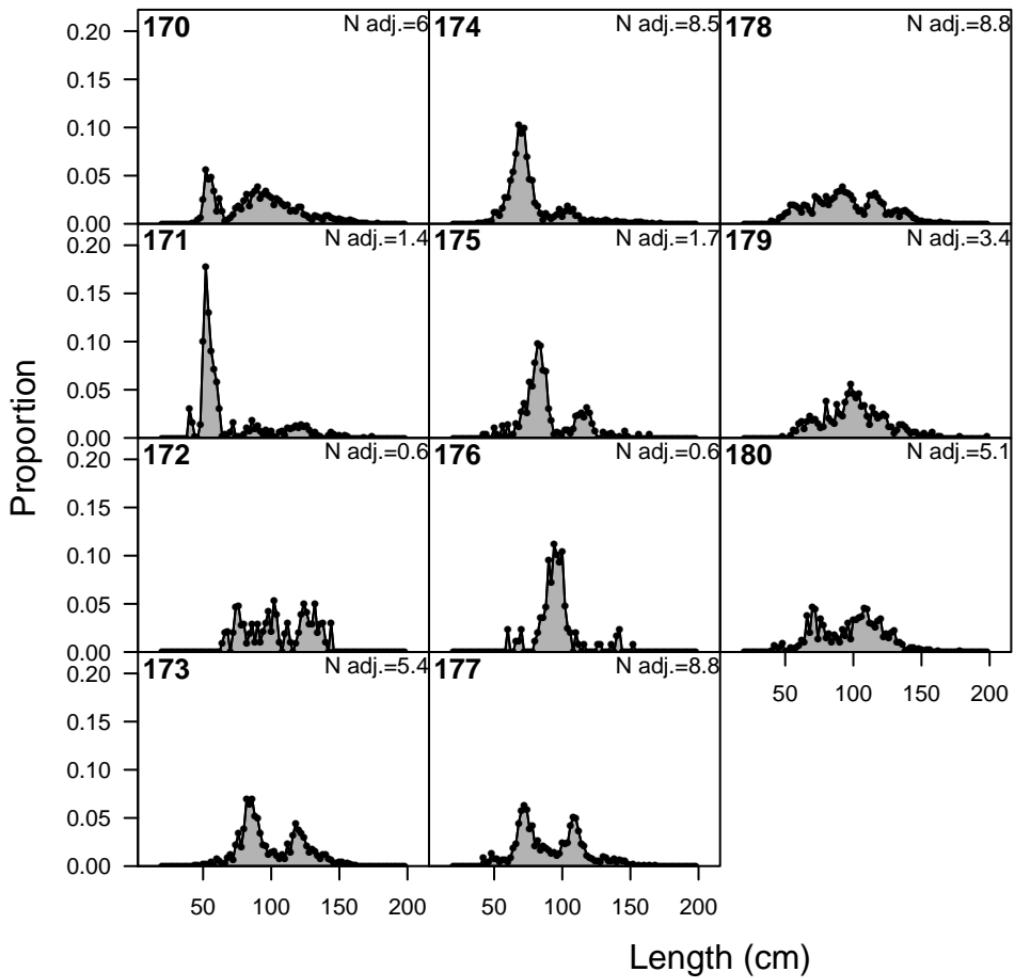


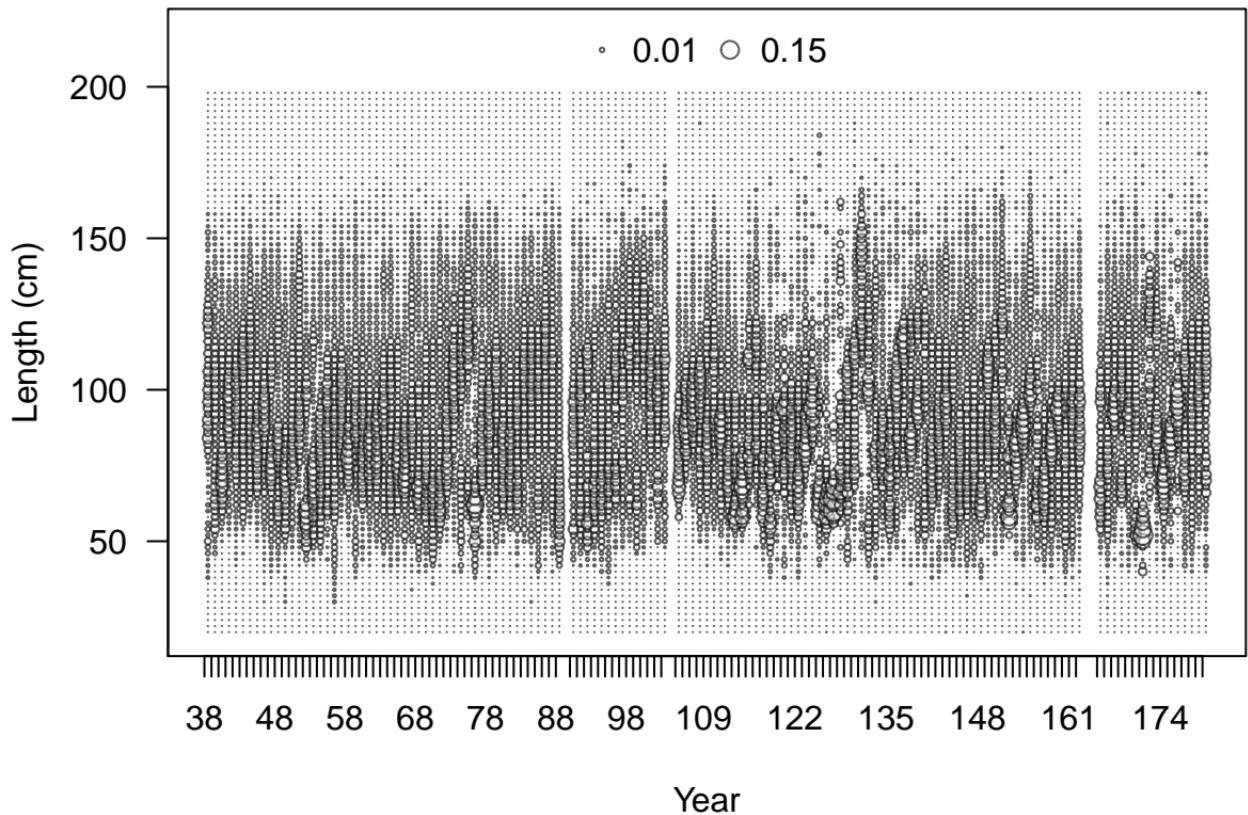




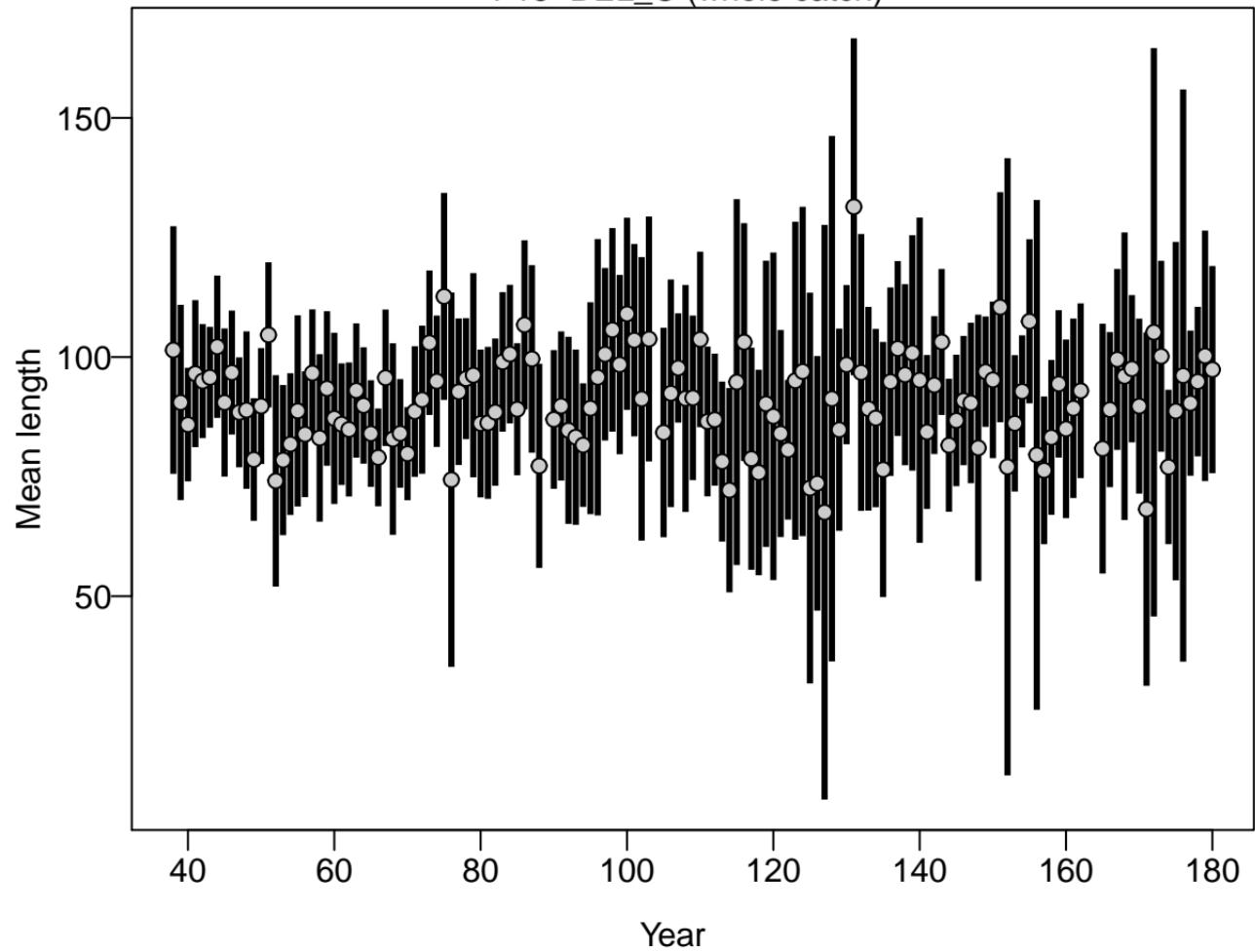


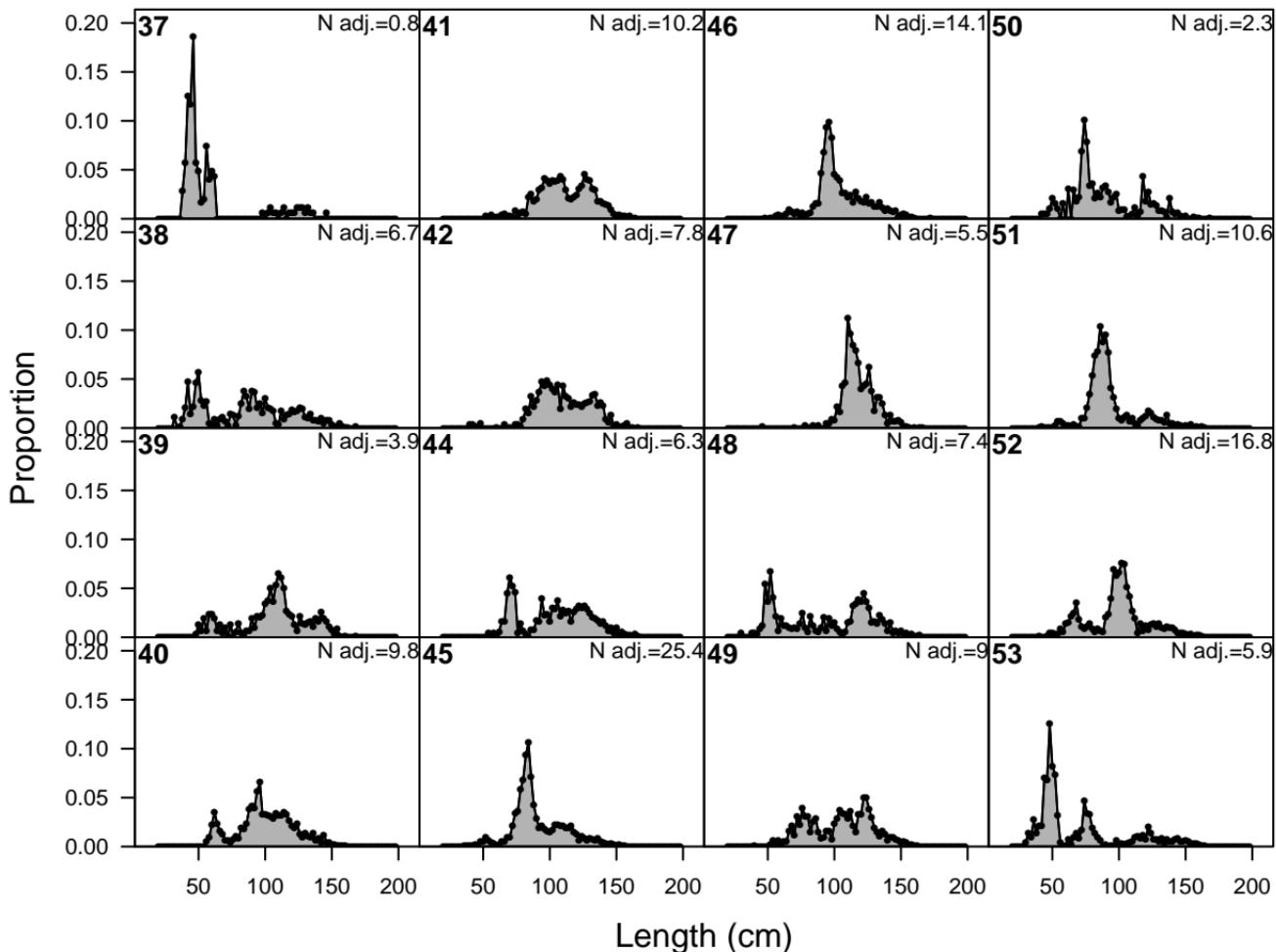


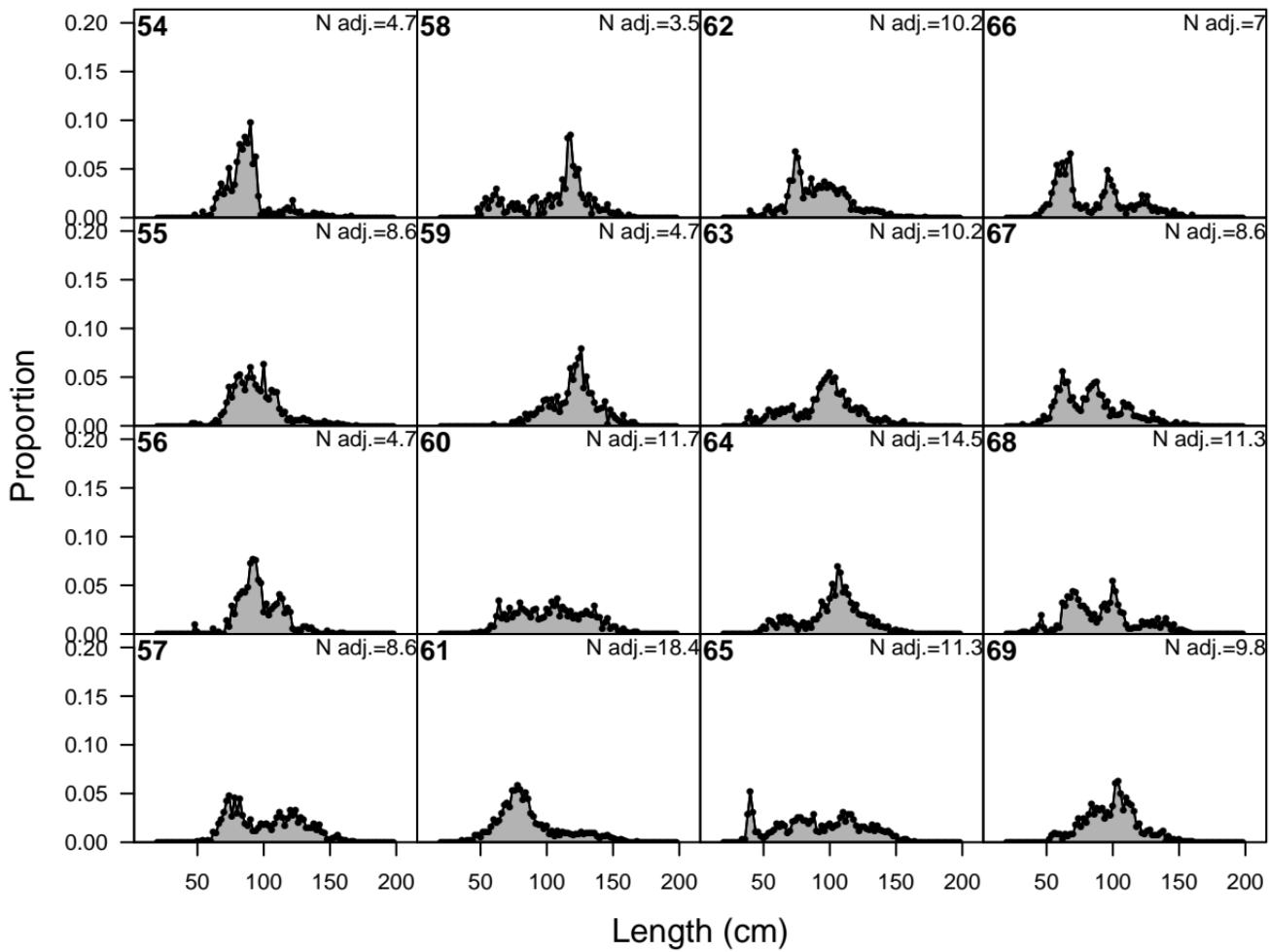


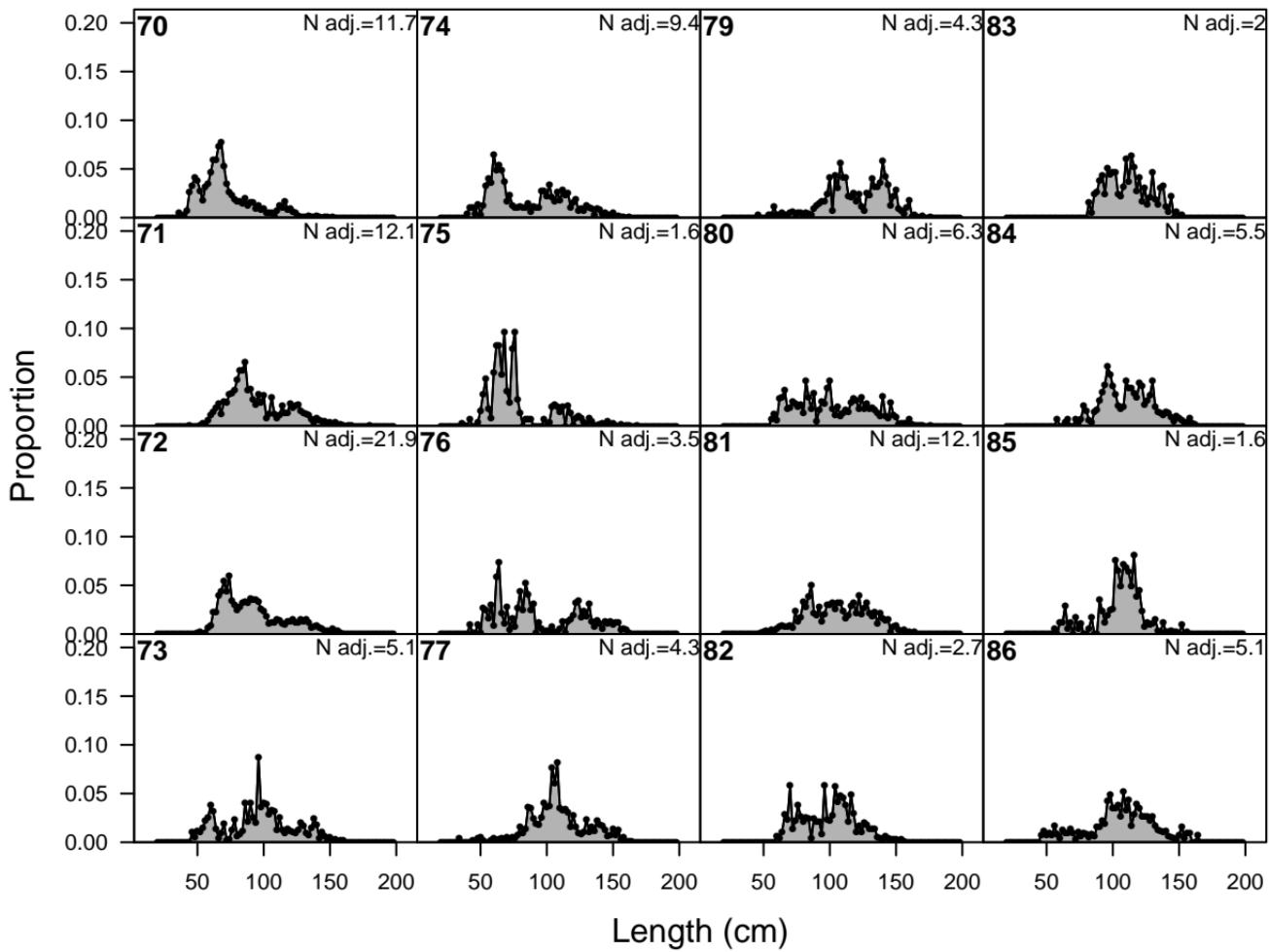


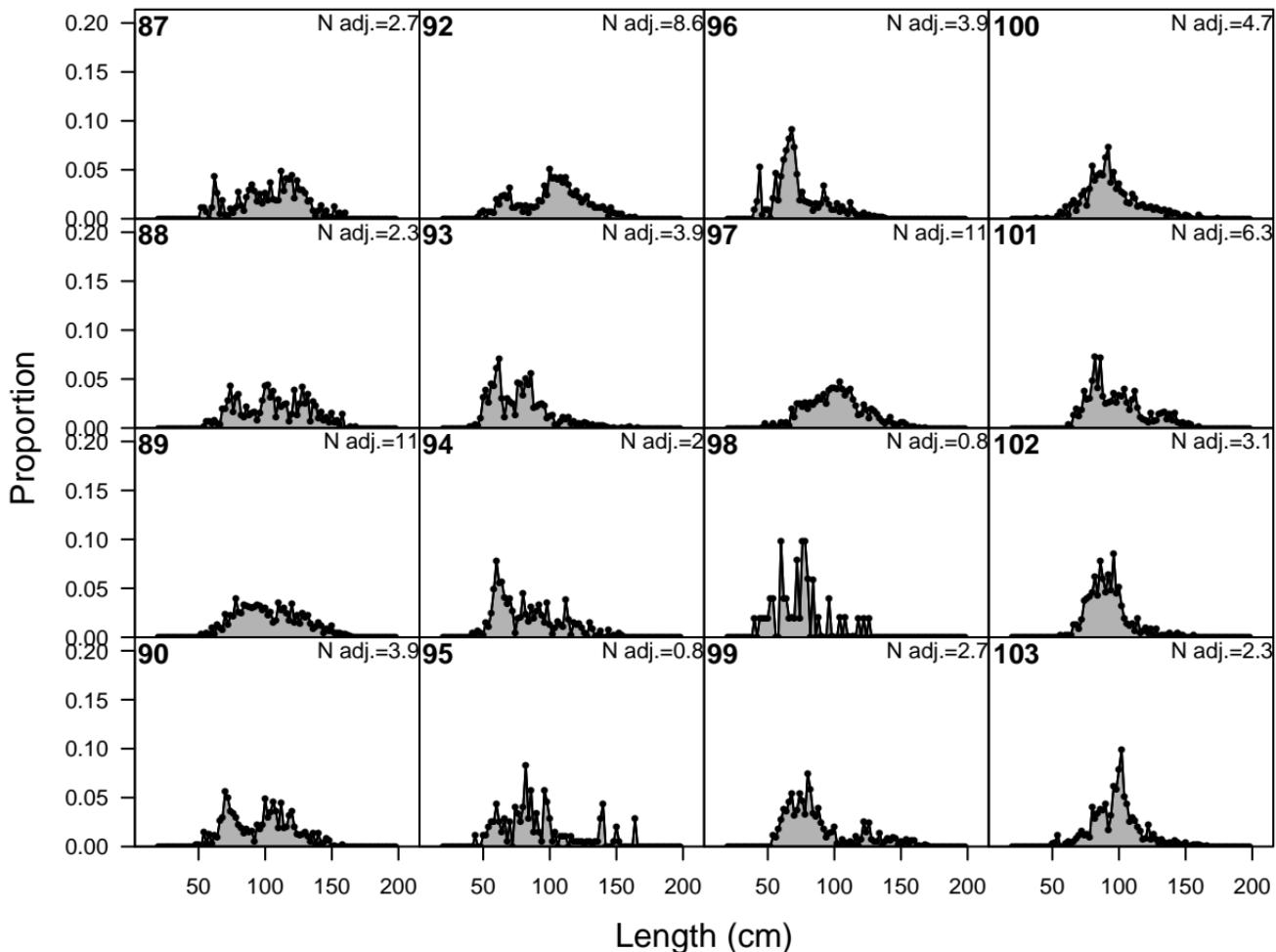
F18-DEL_C (whole catch)

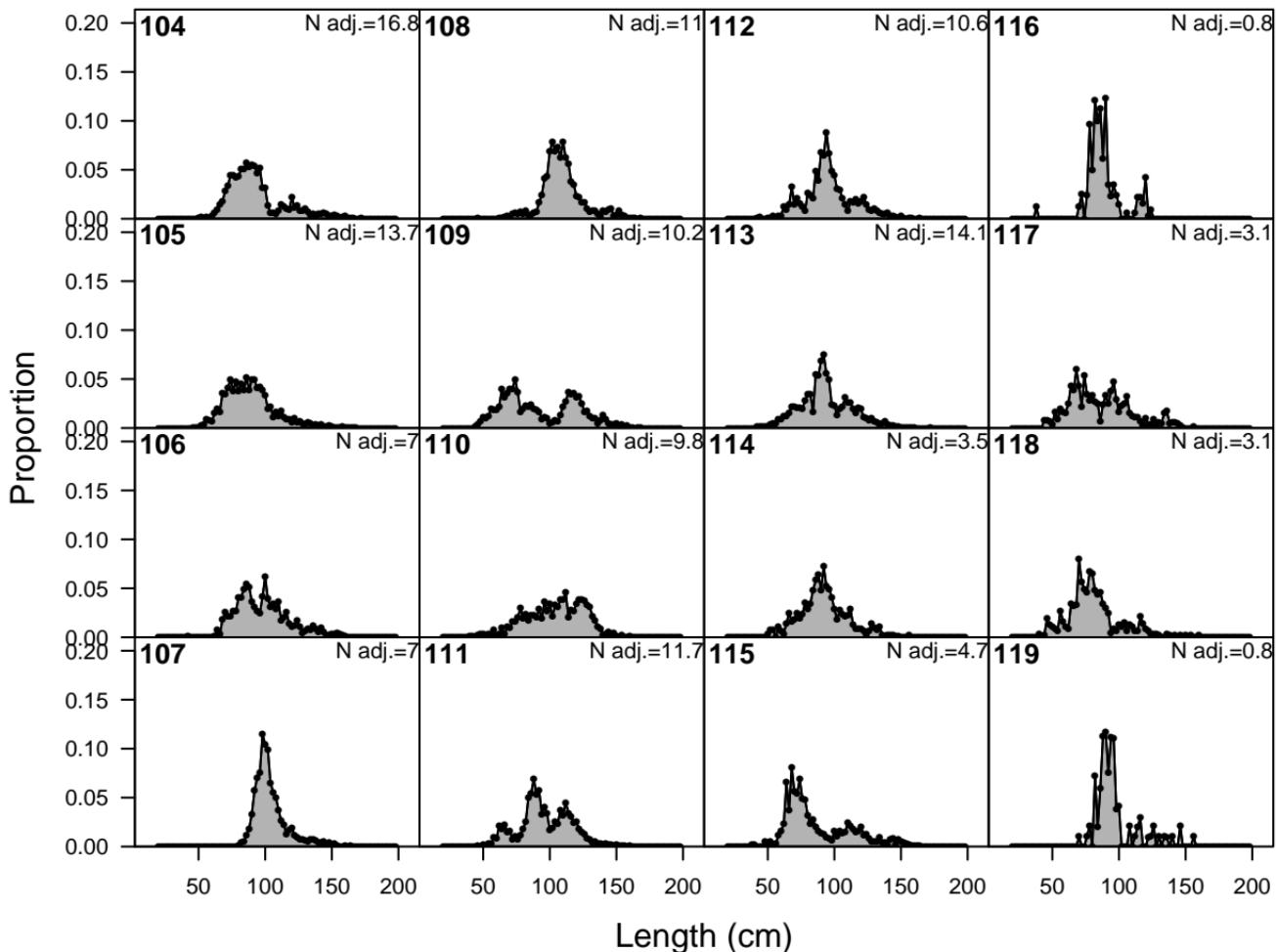


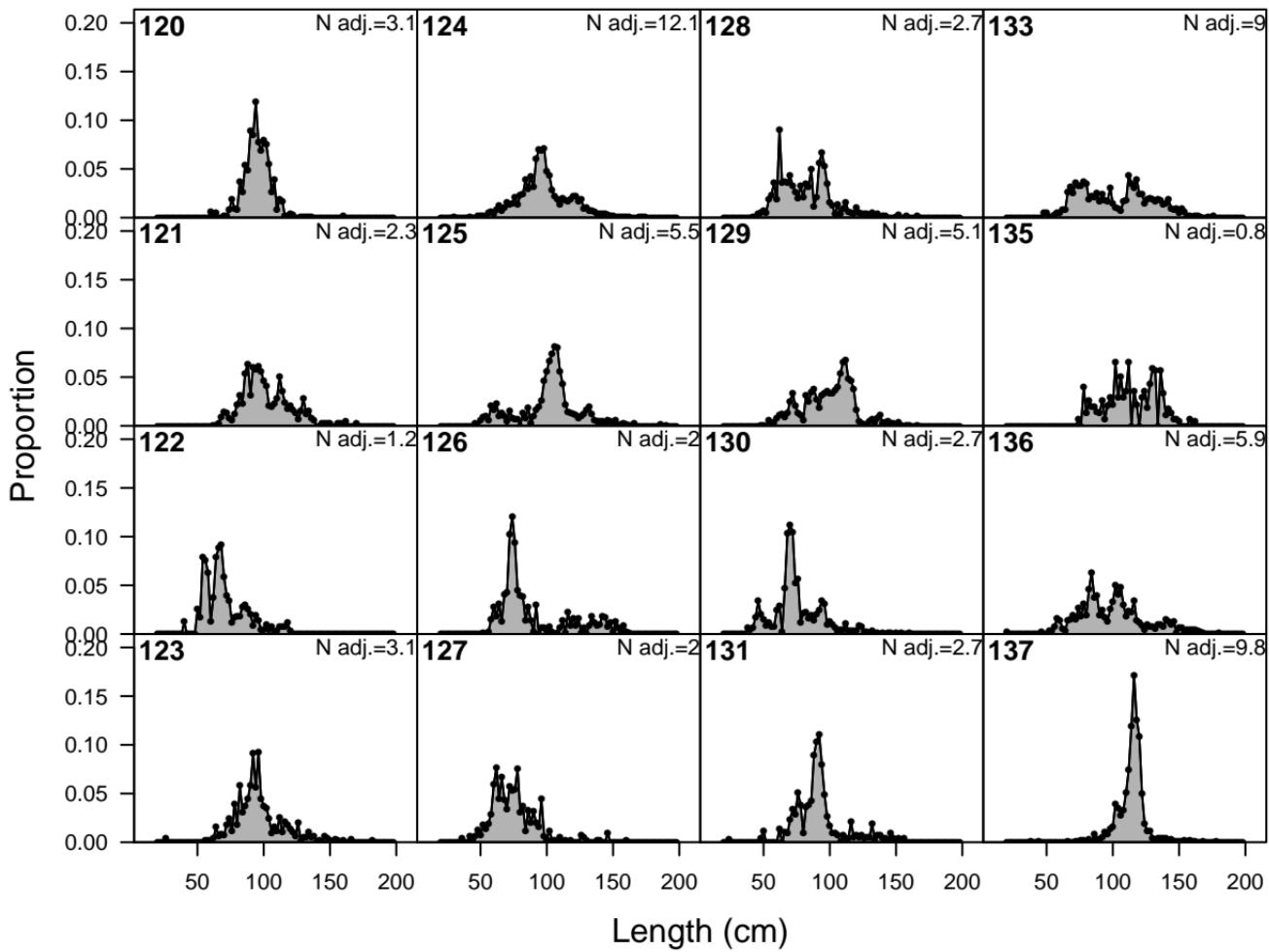


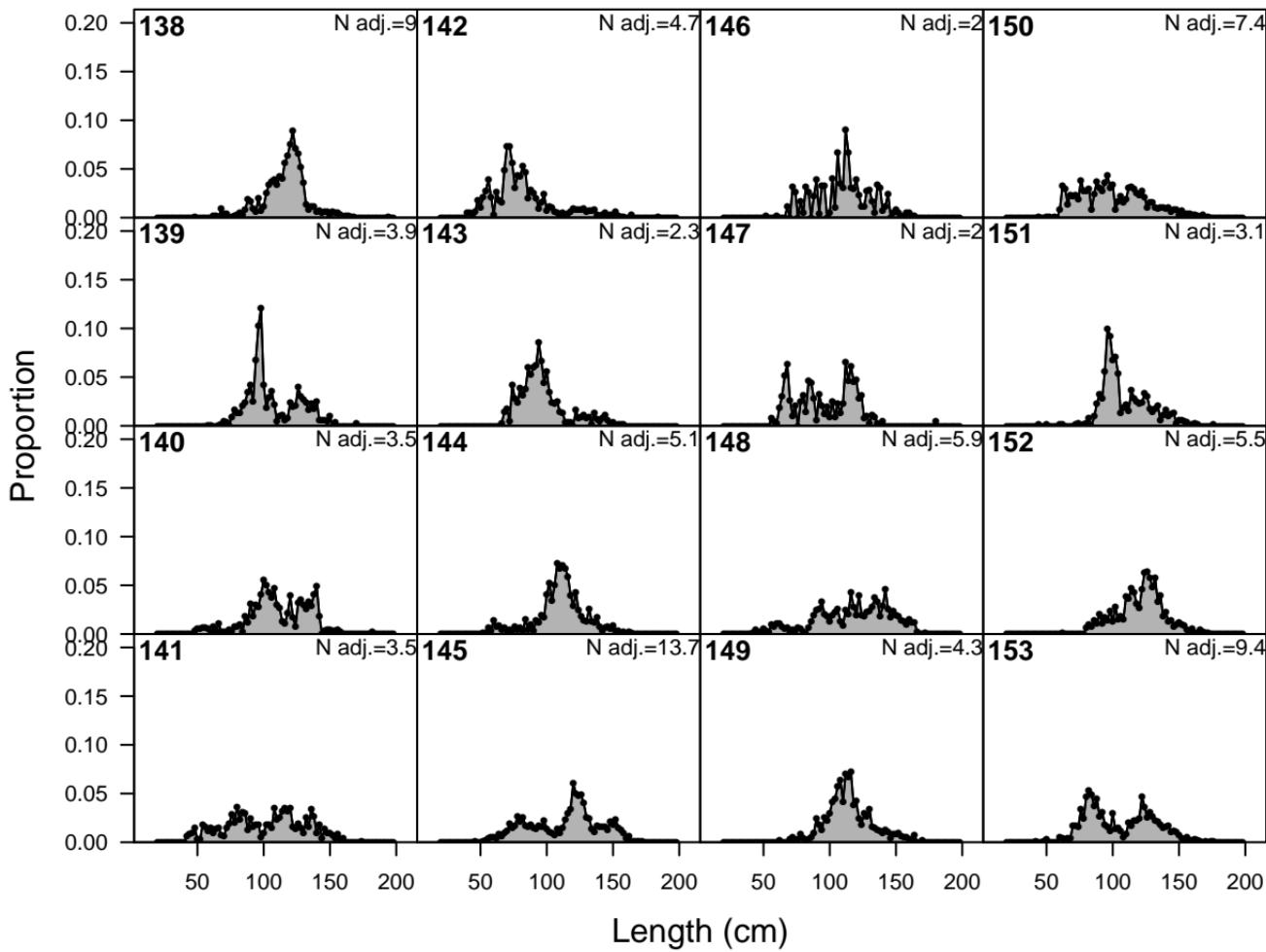


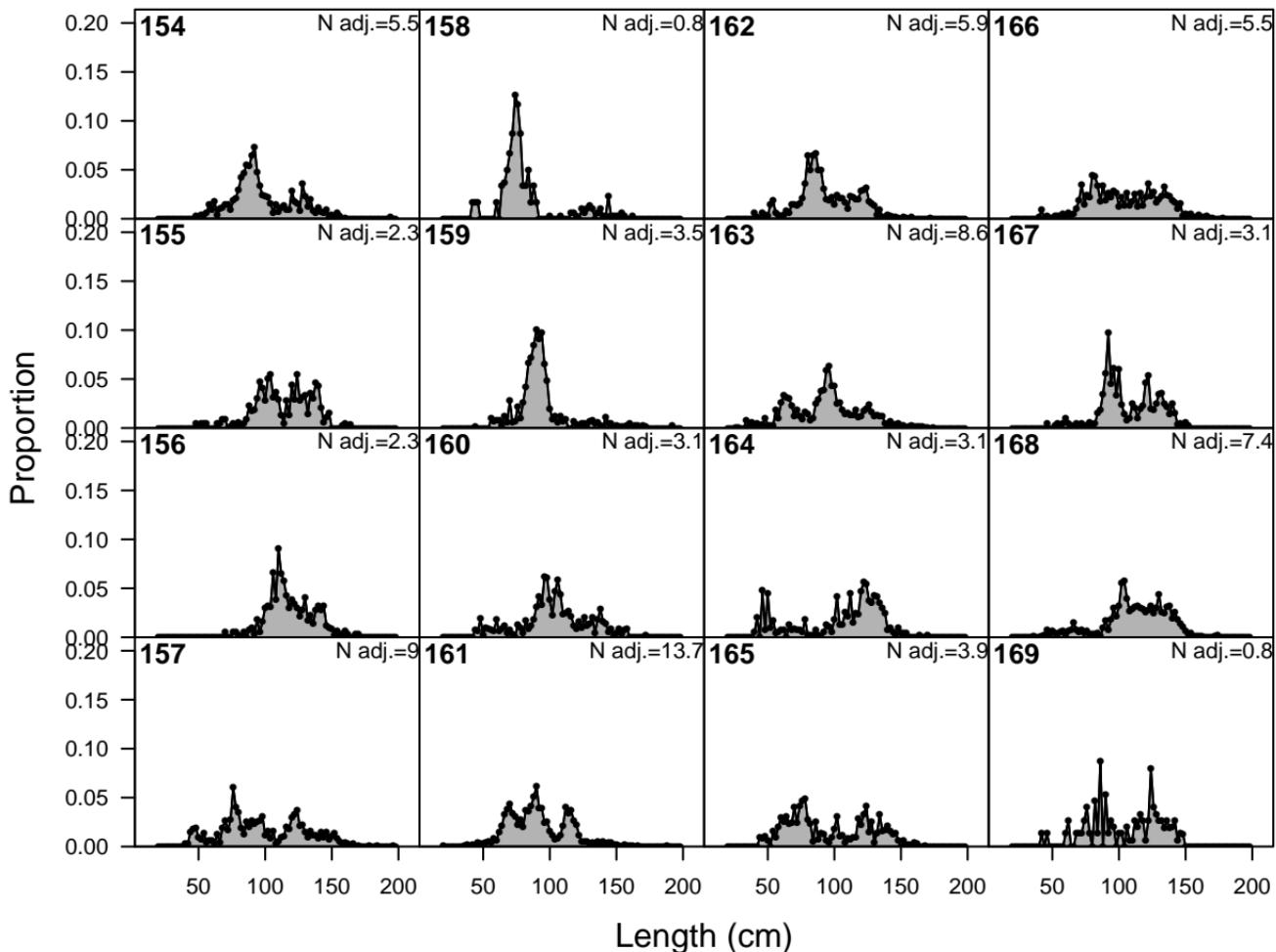


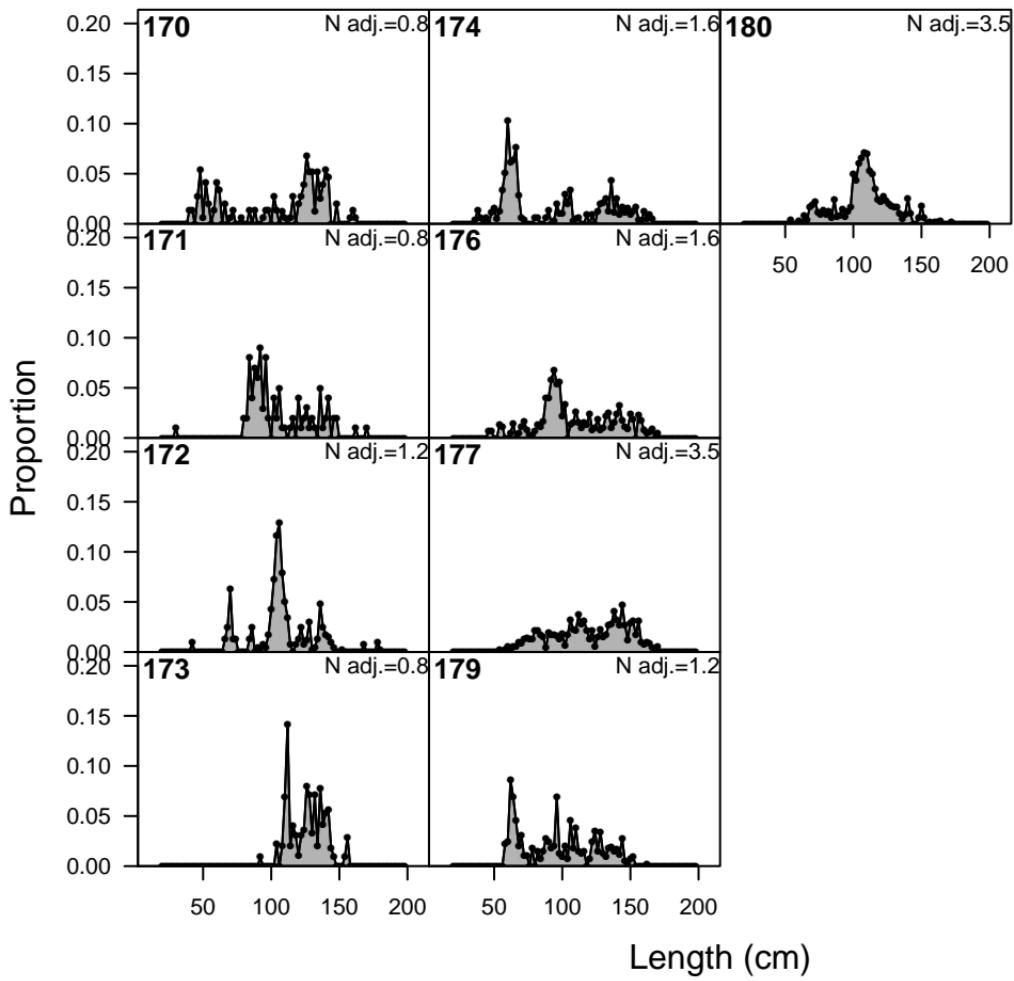


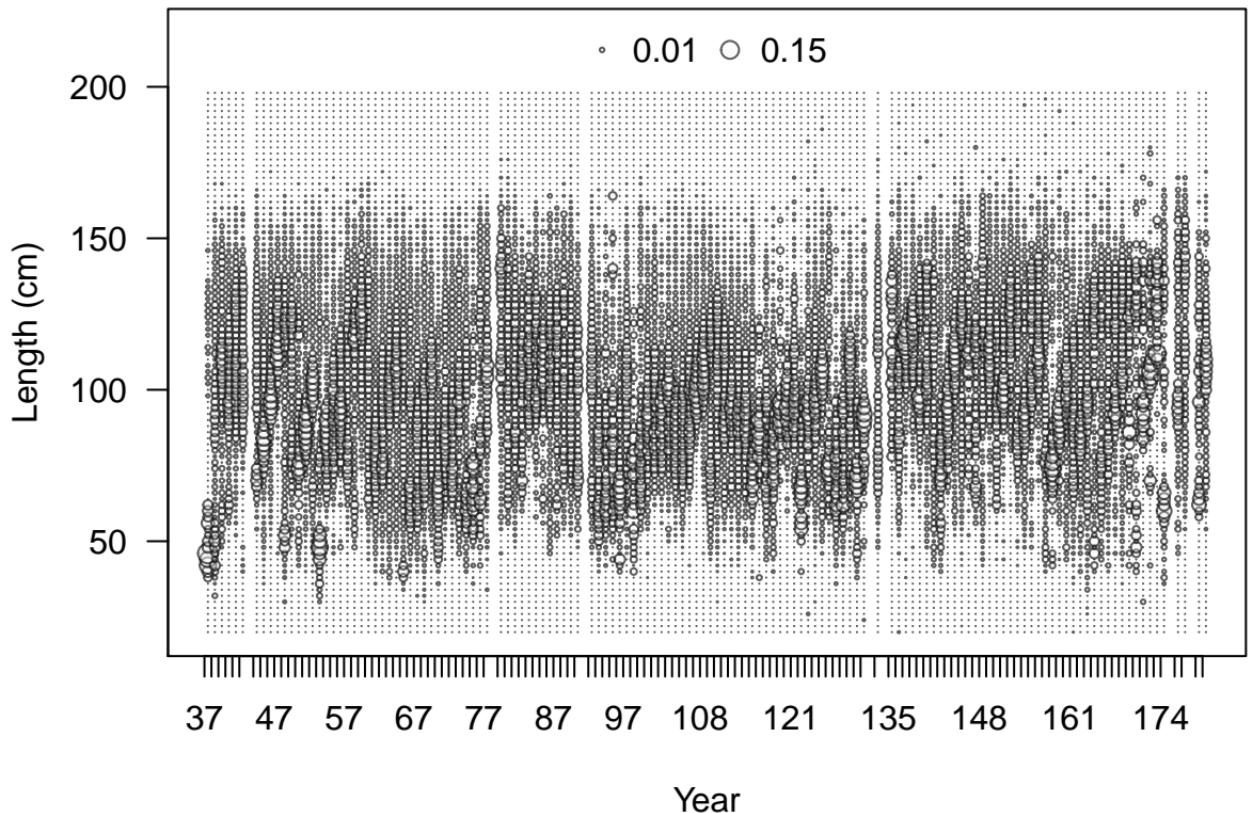




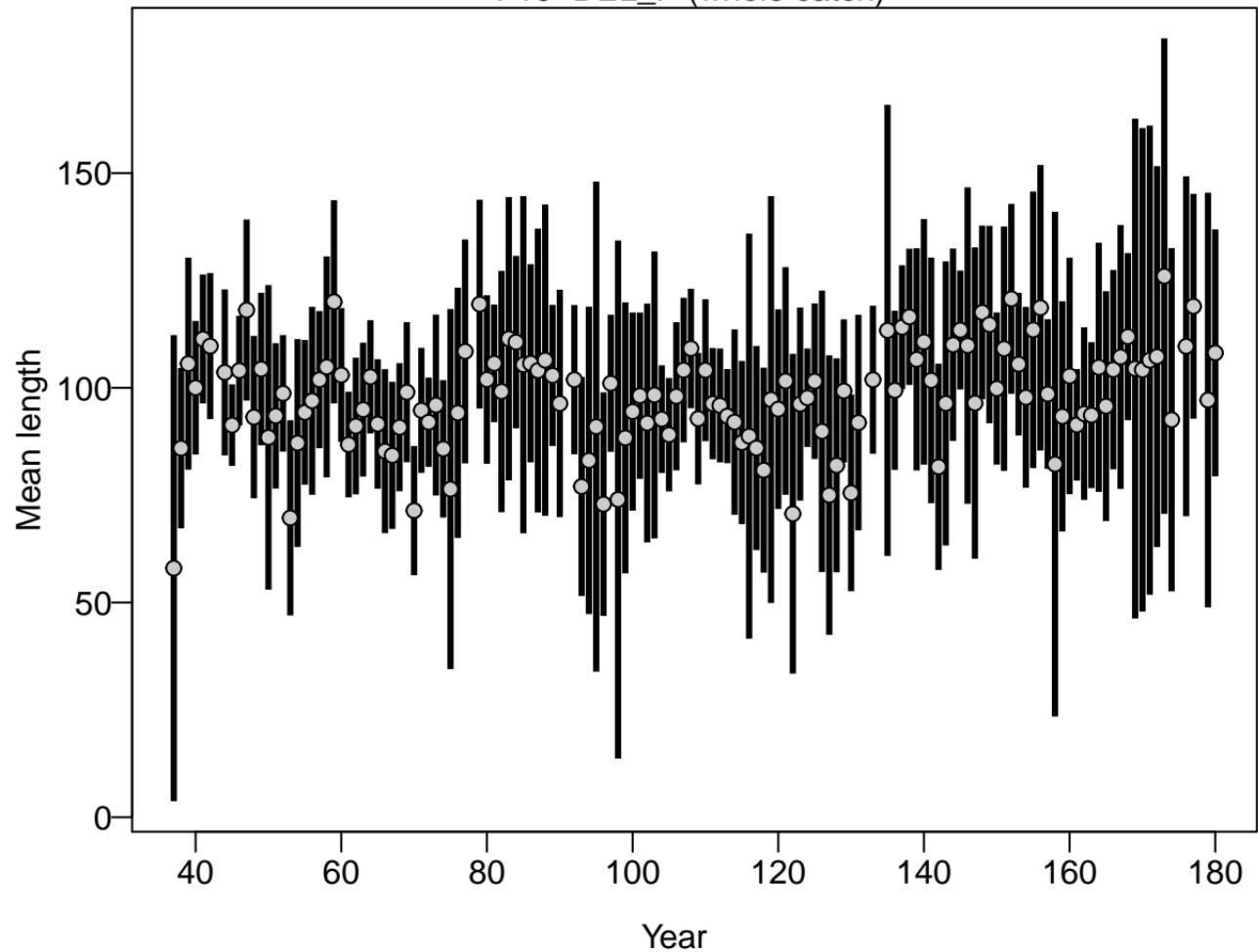




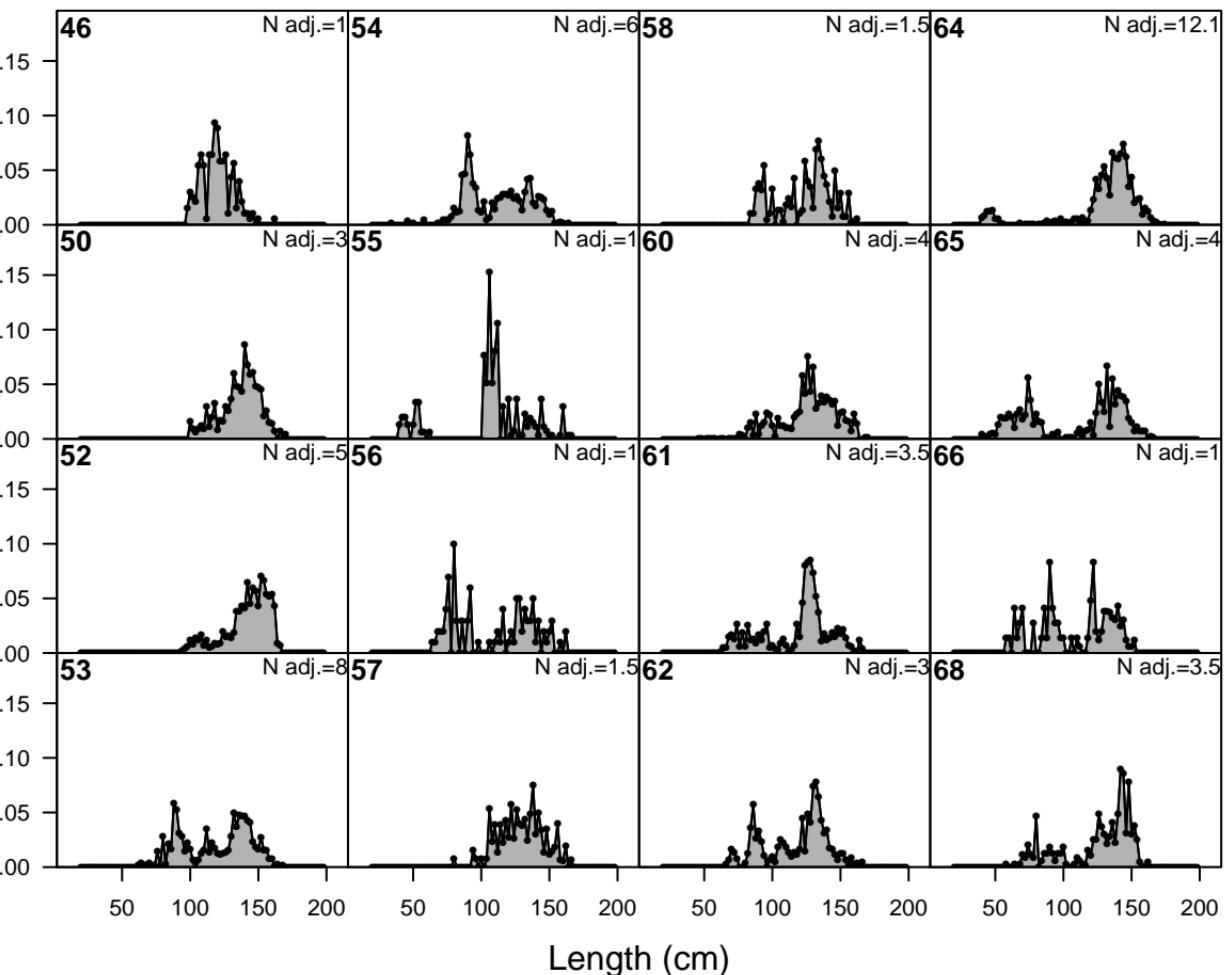




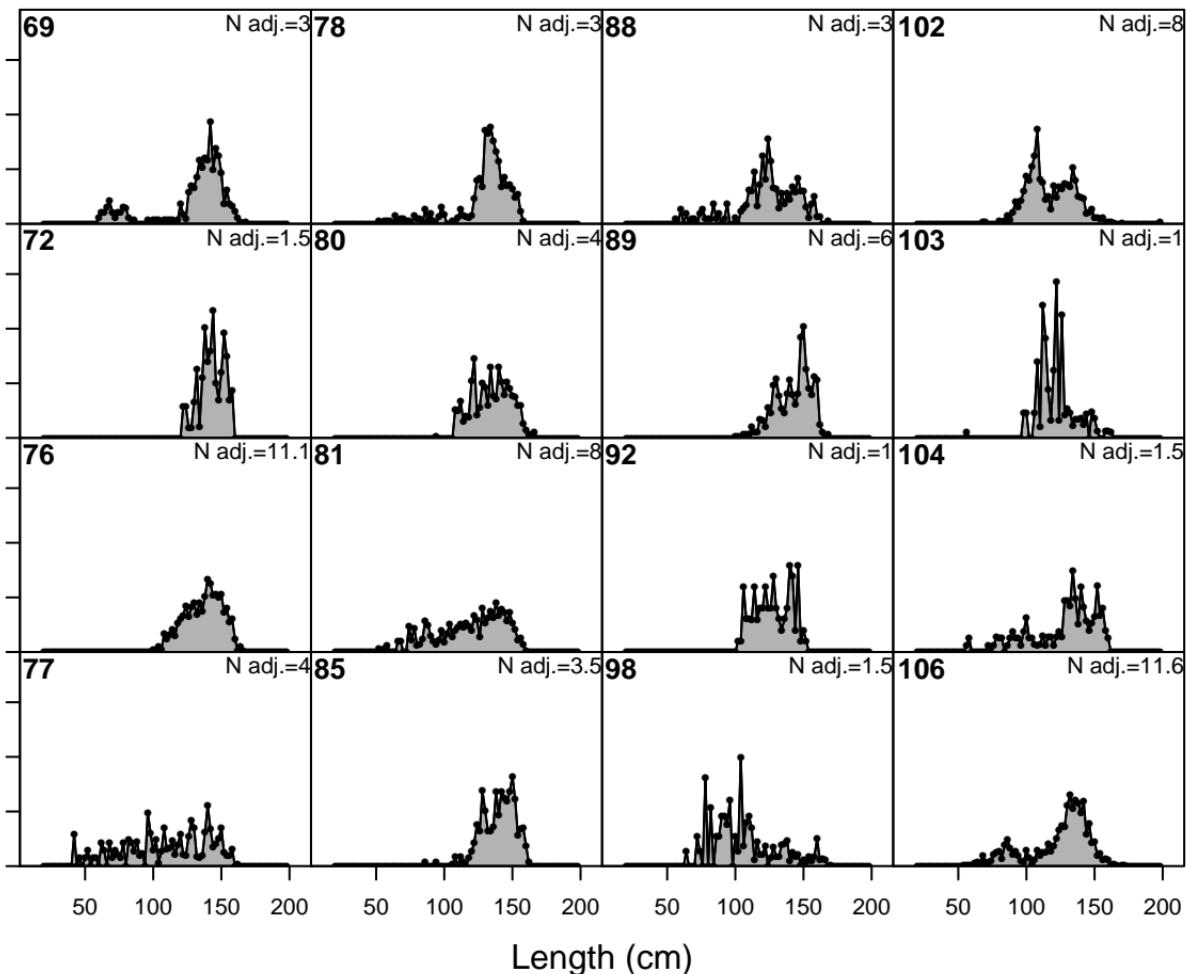
F19-DEL_P (whole catch)



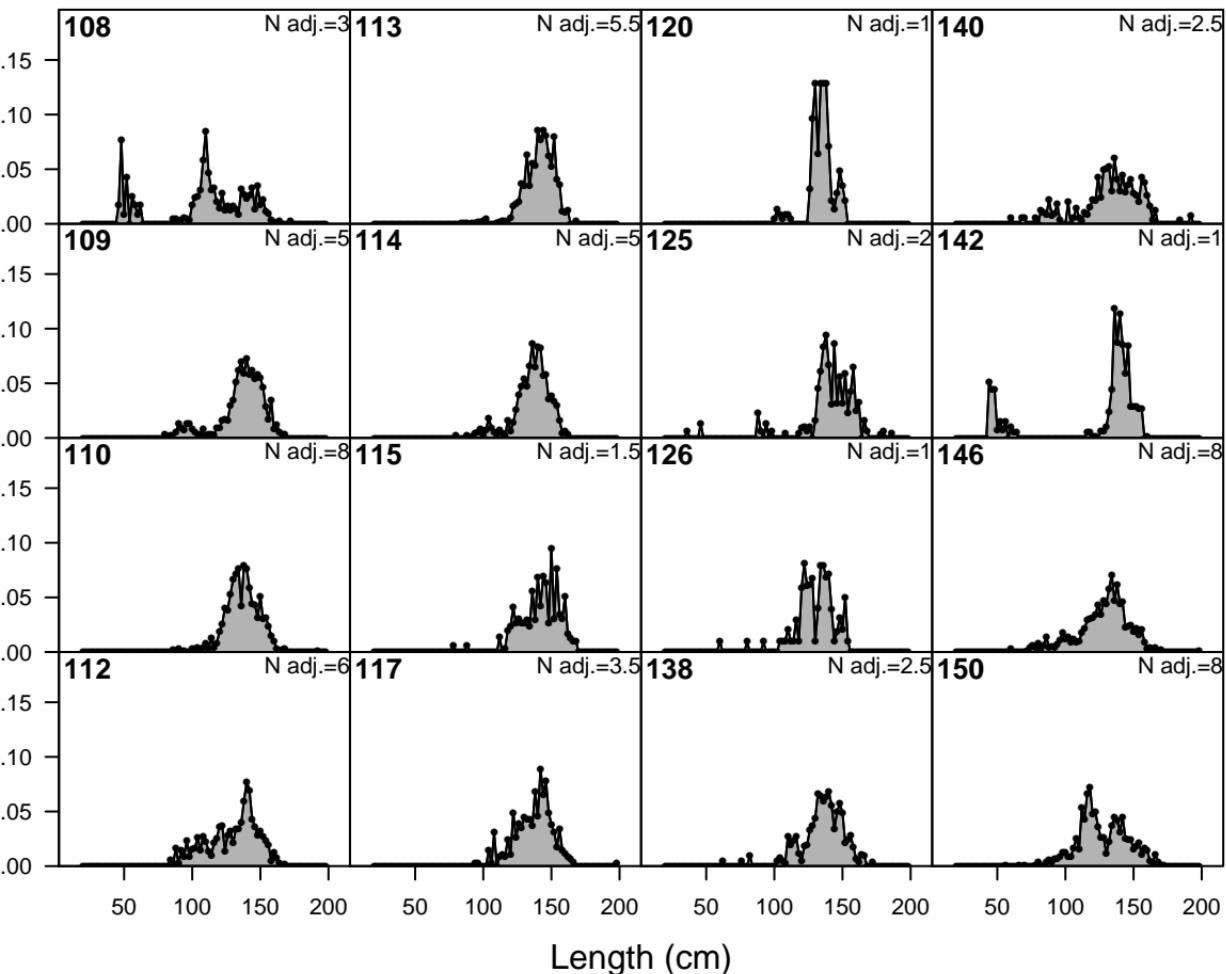
Proportion



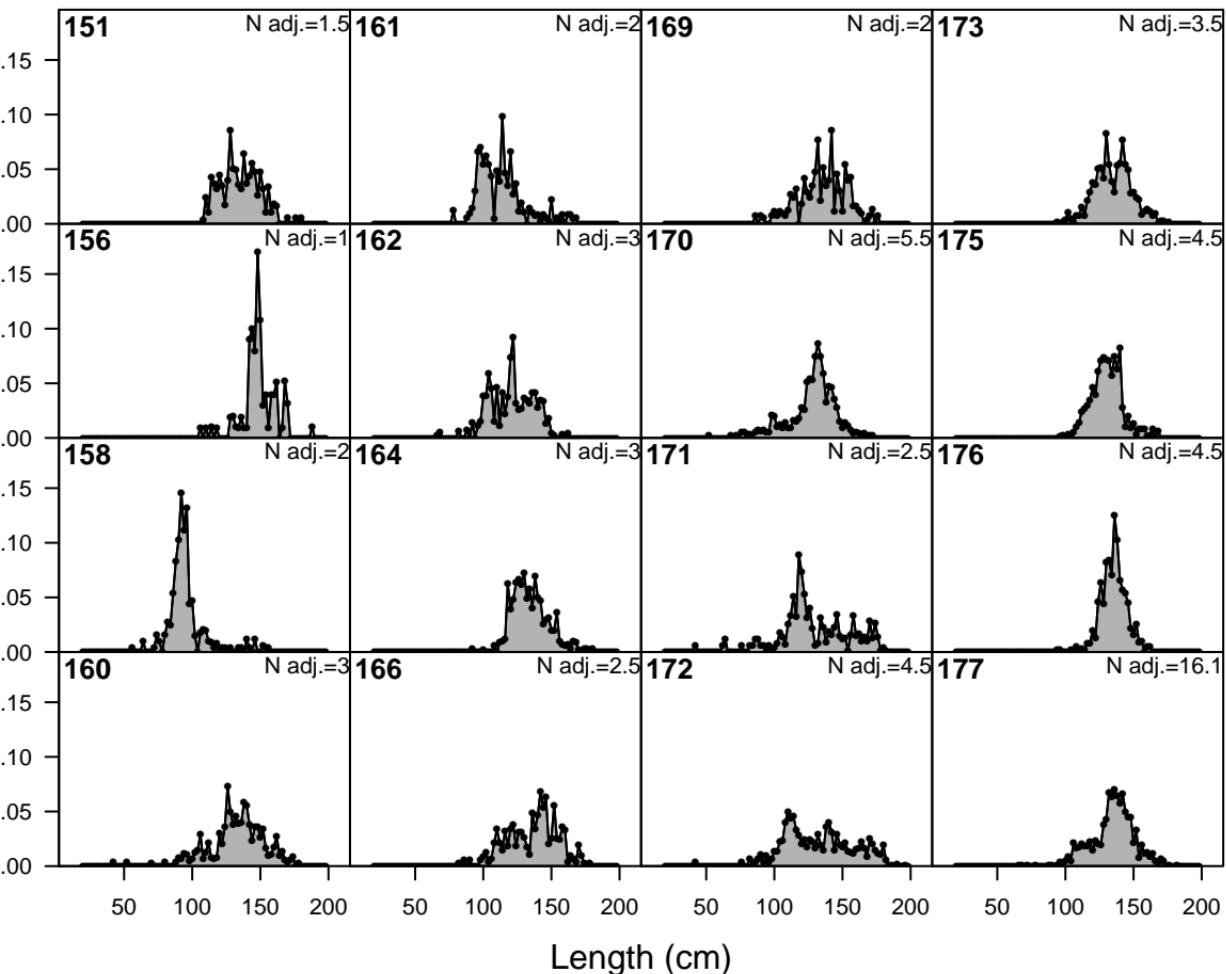
Proportion



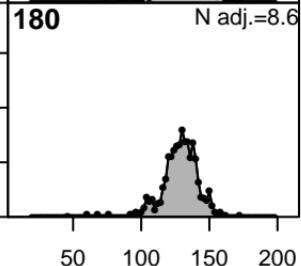
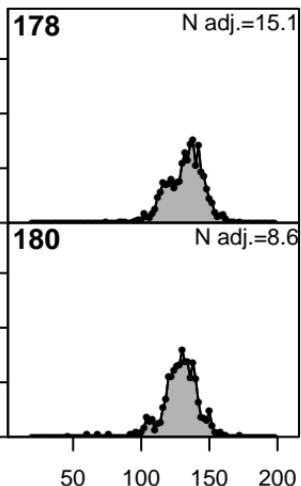
Proportion



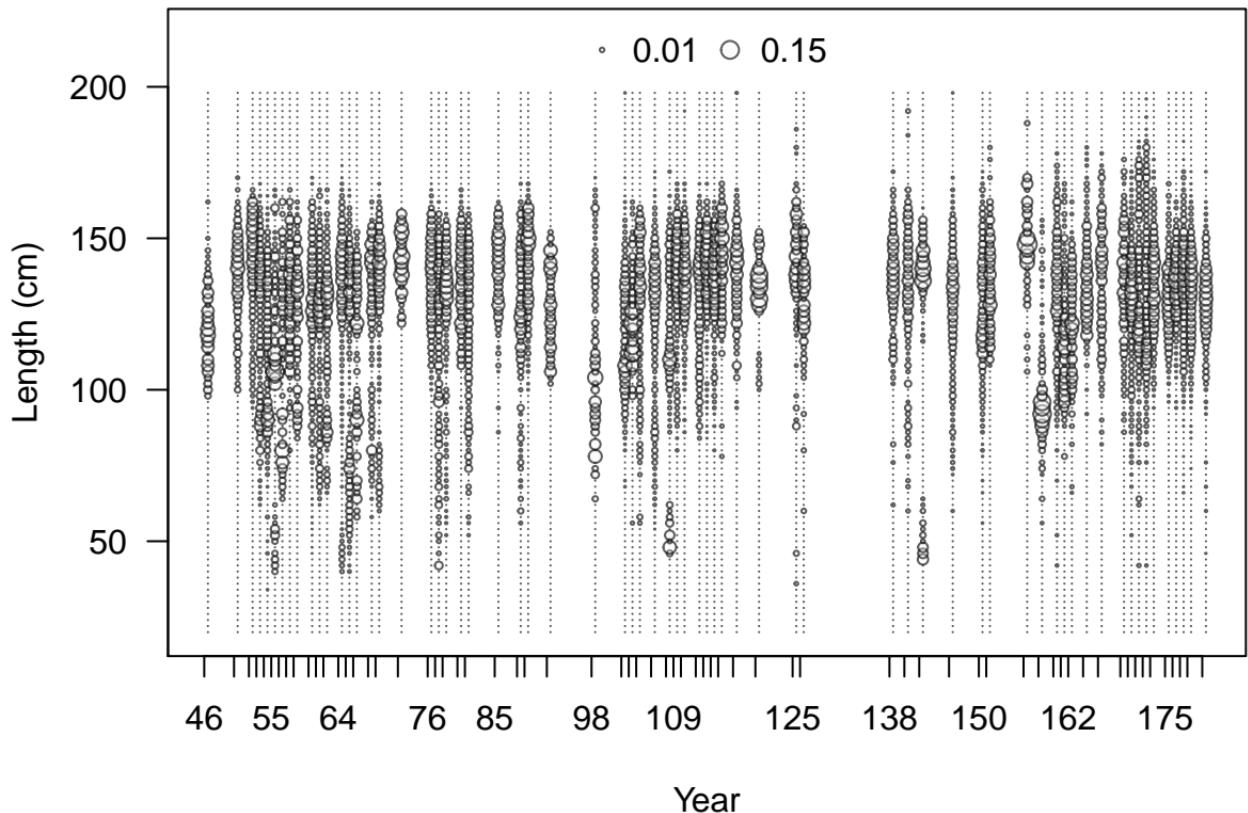
Proportion



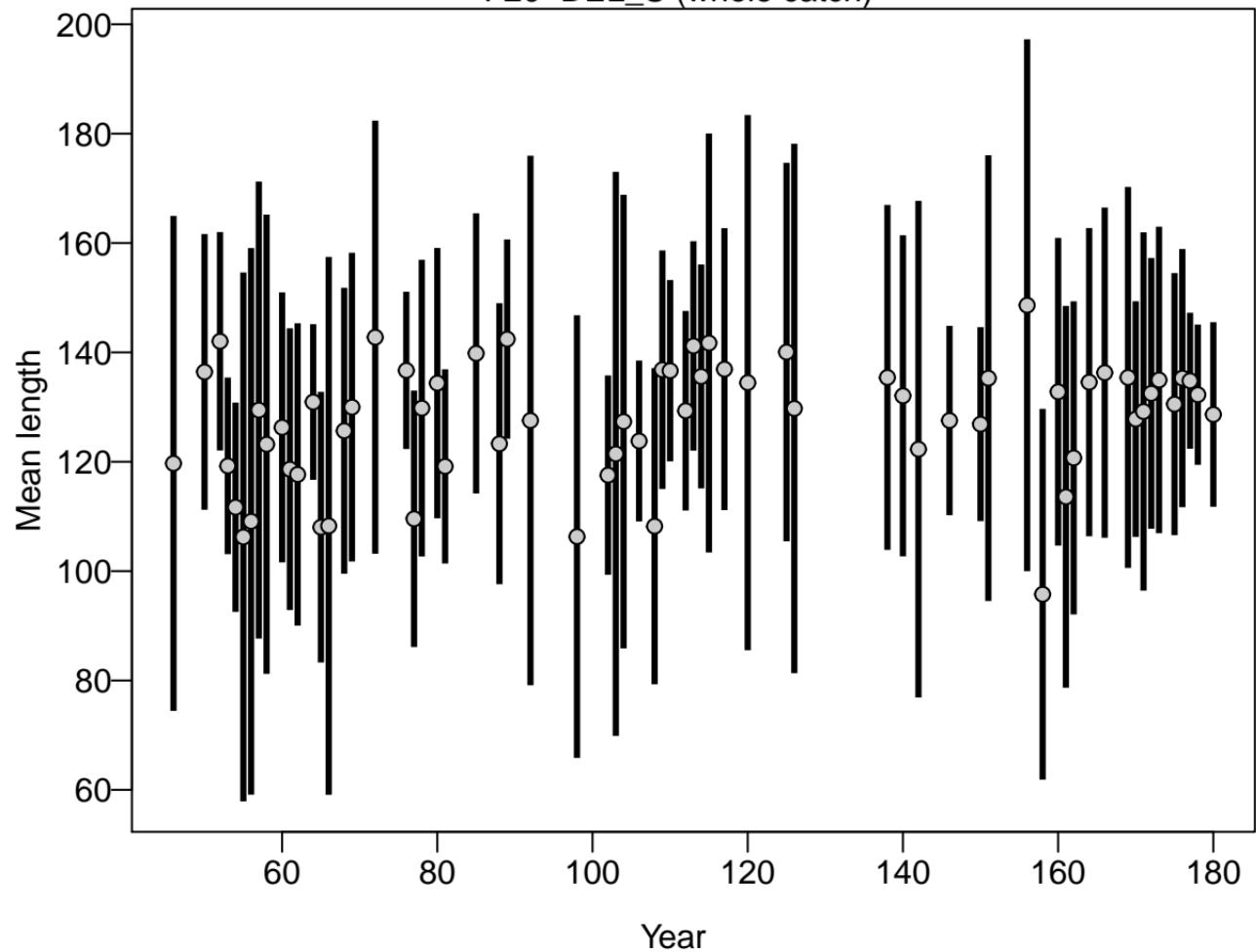
Proportion

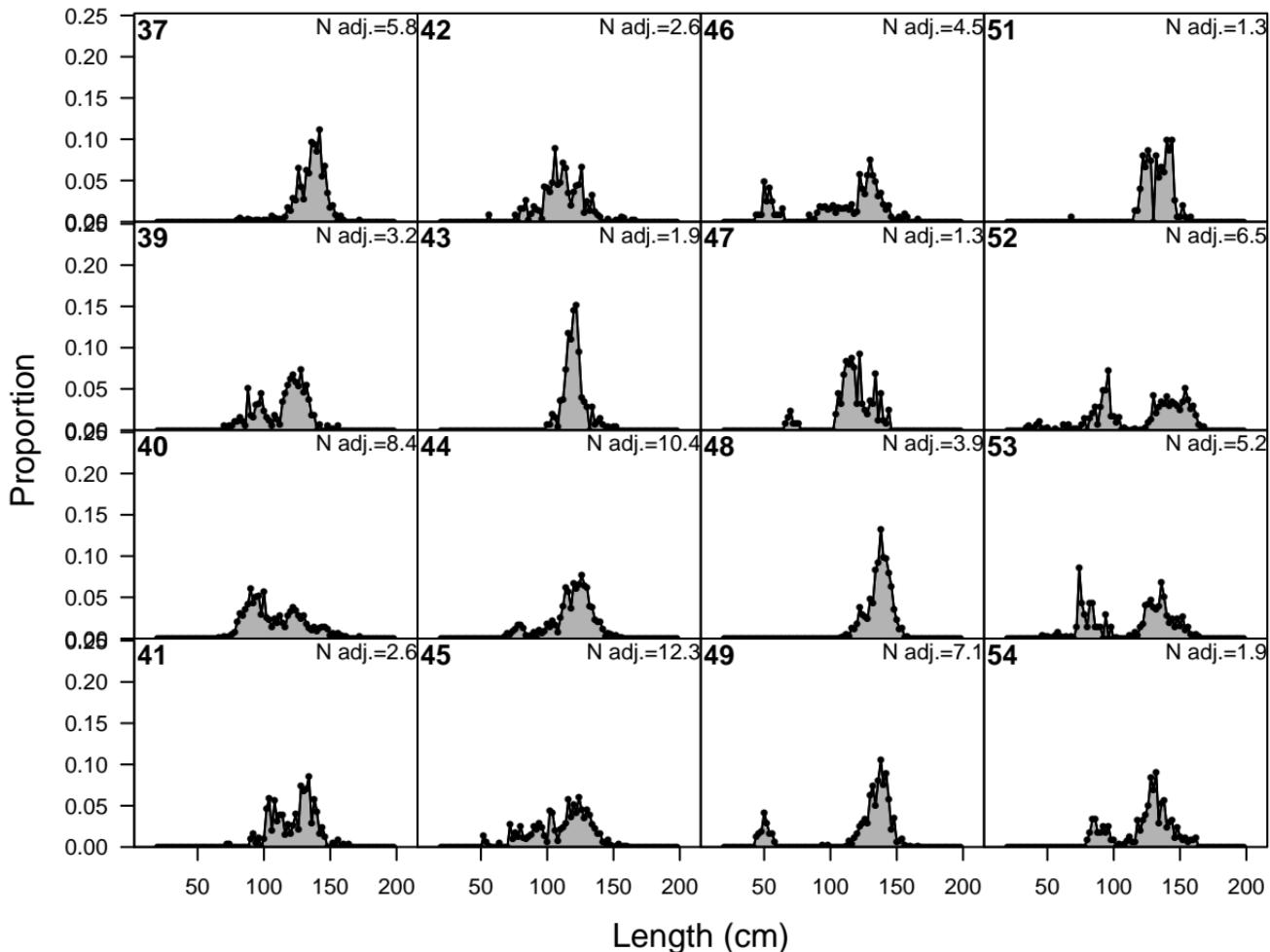


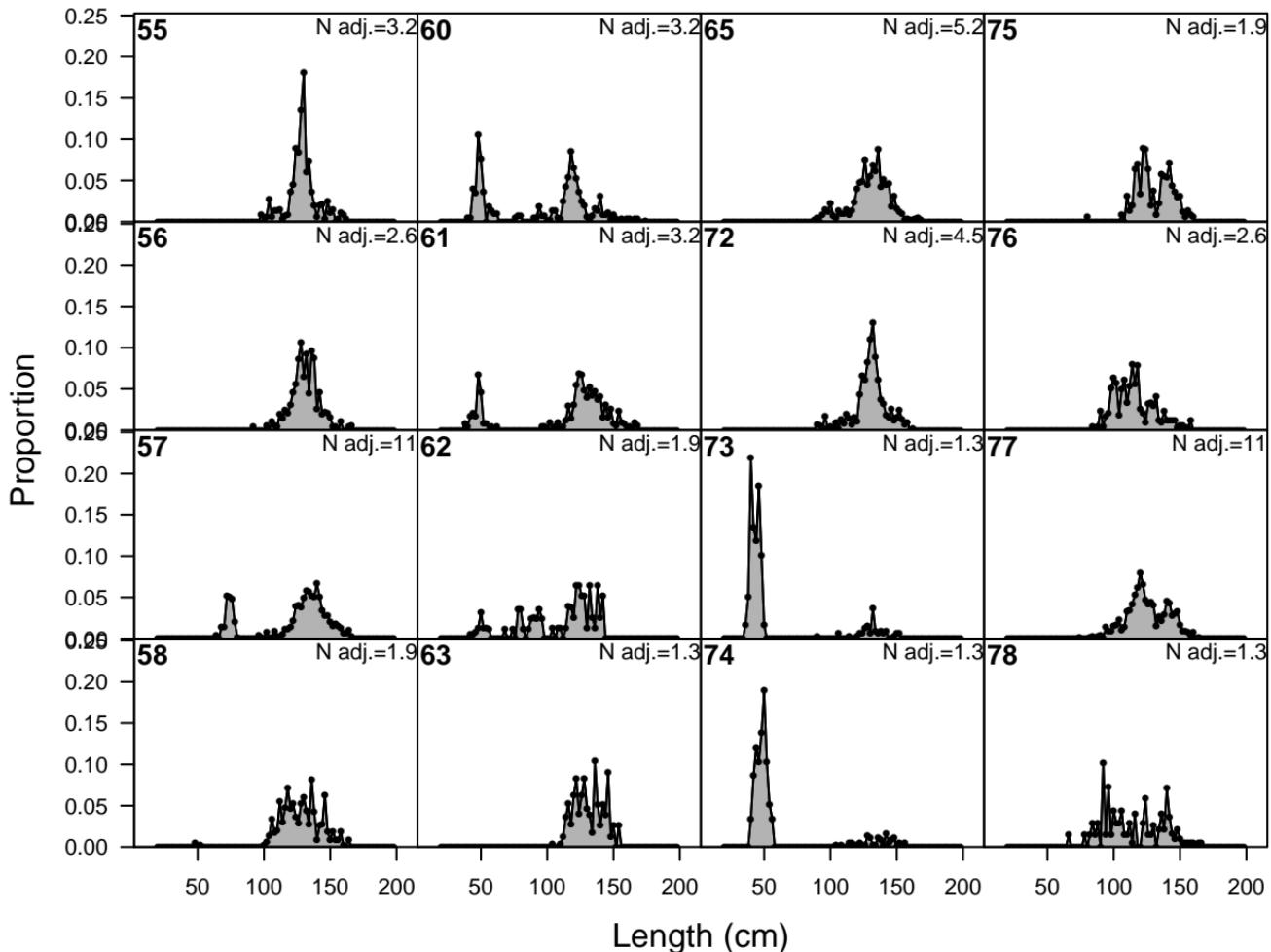
Length (cm)

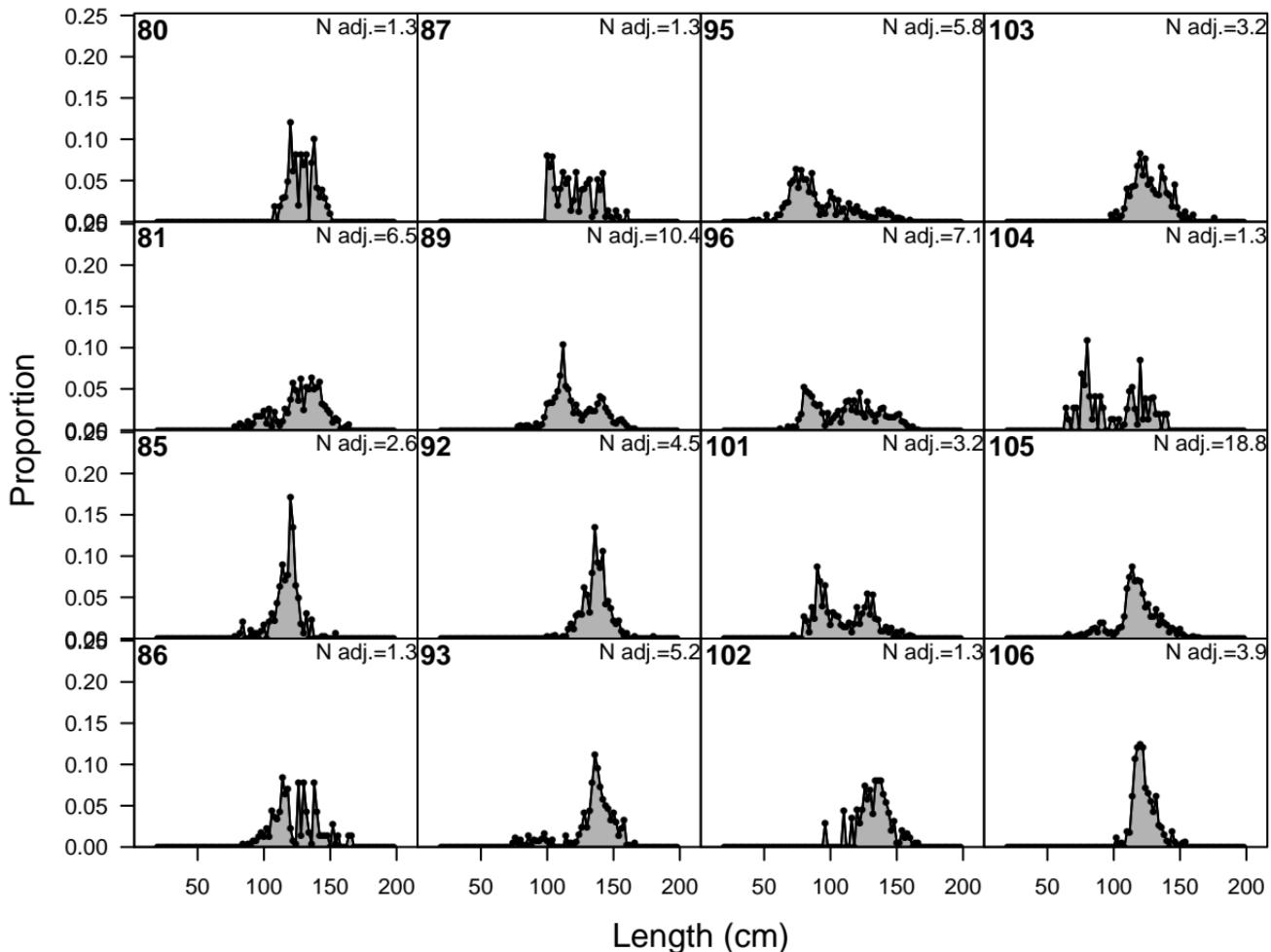


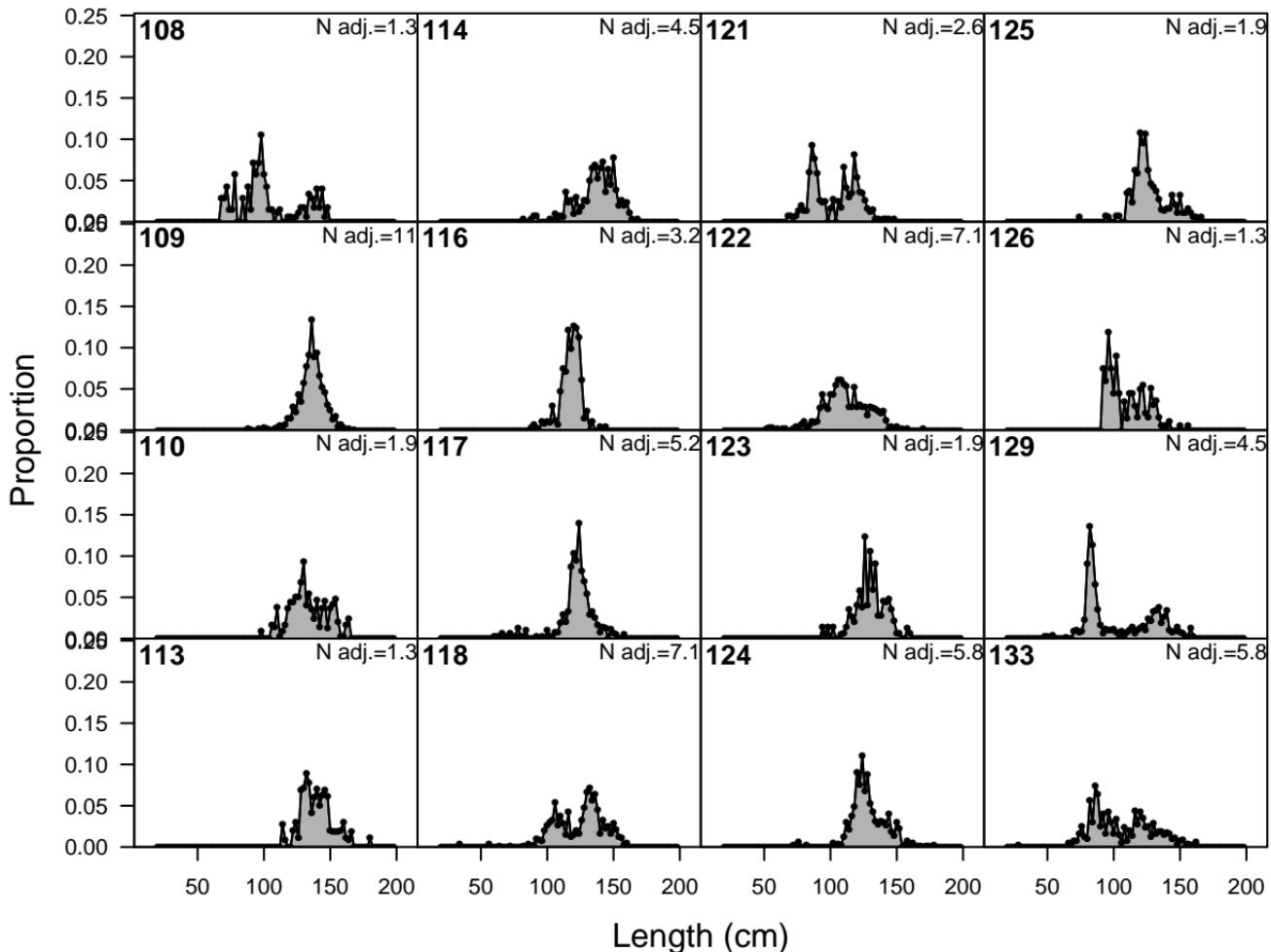
F20-DEL_S (whole catch)

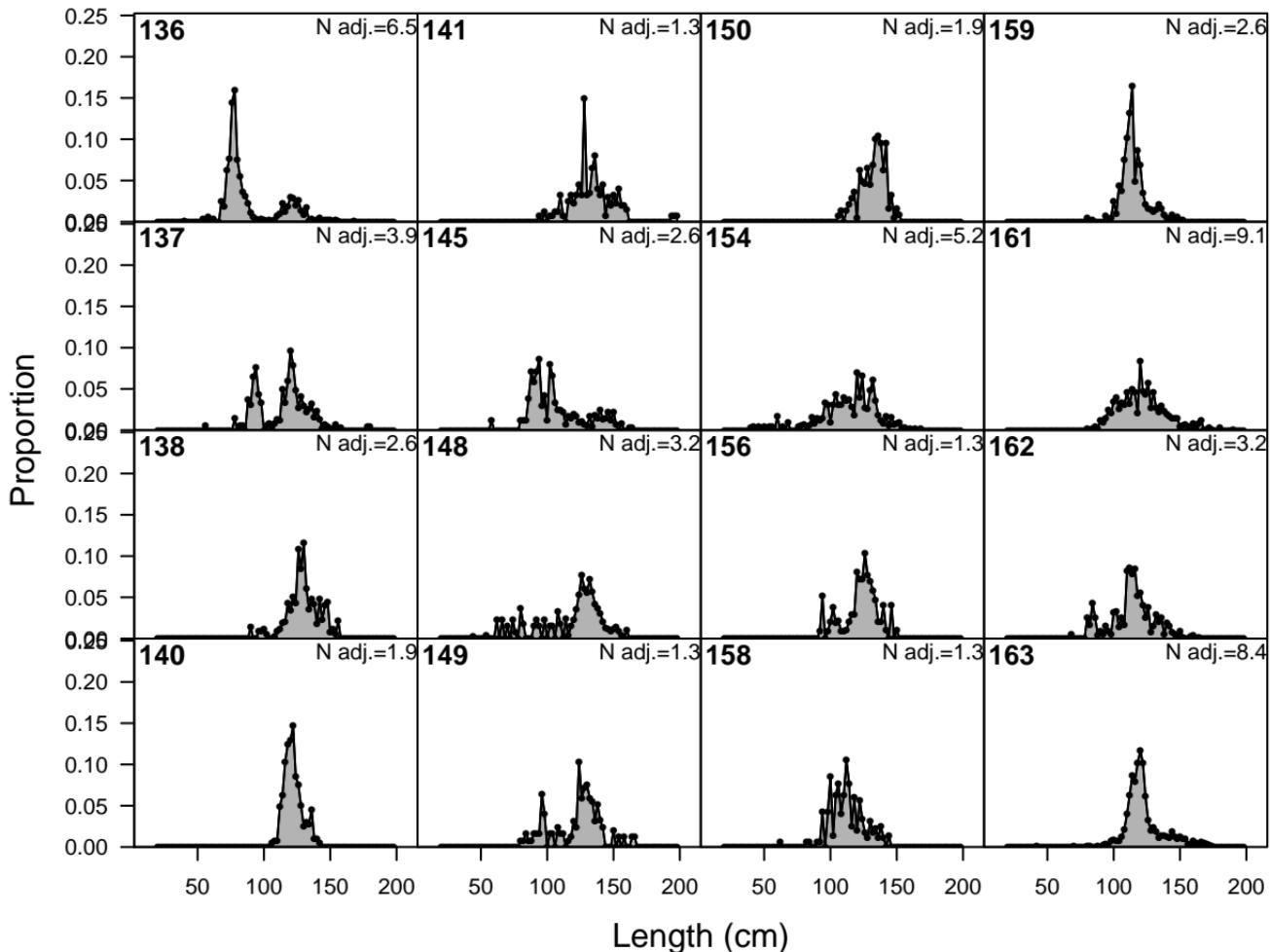


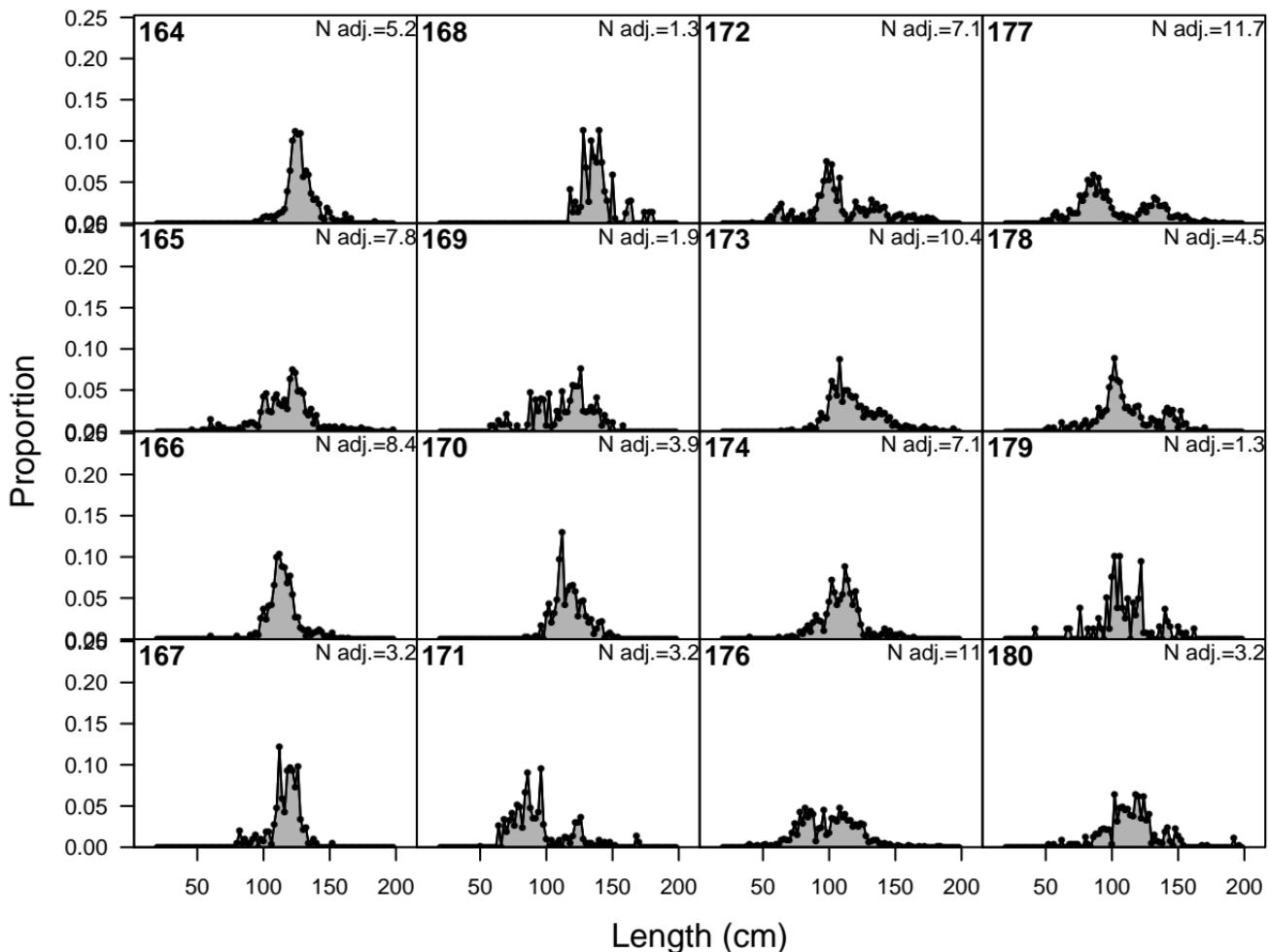


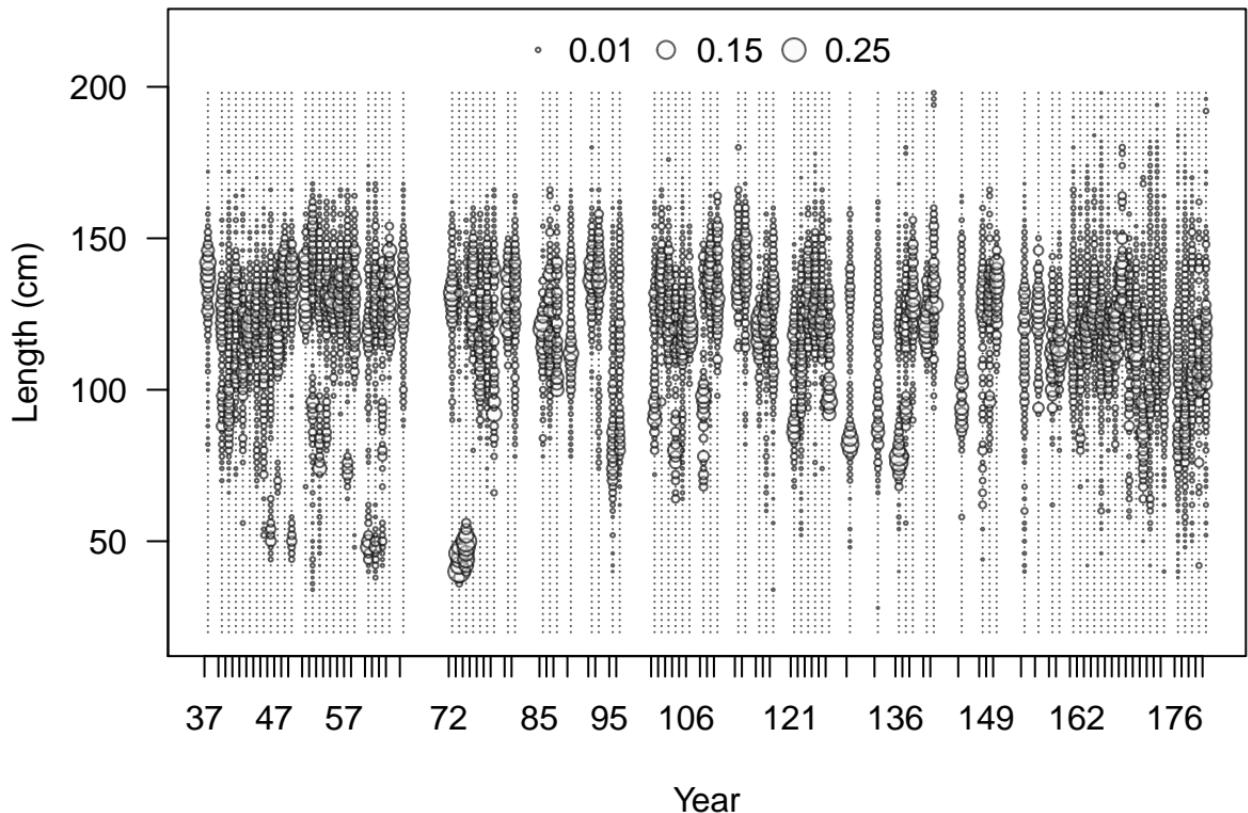




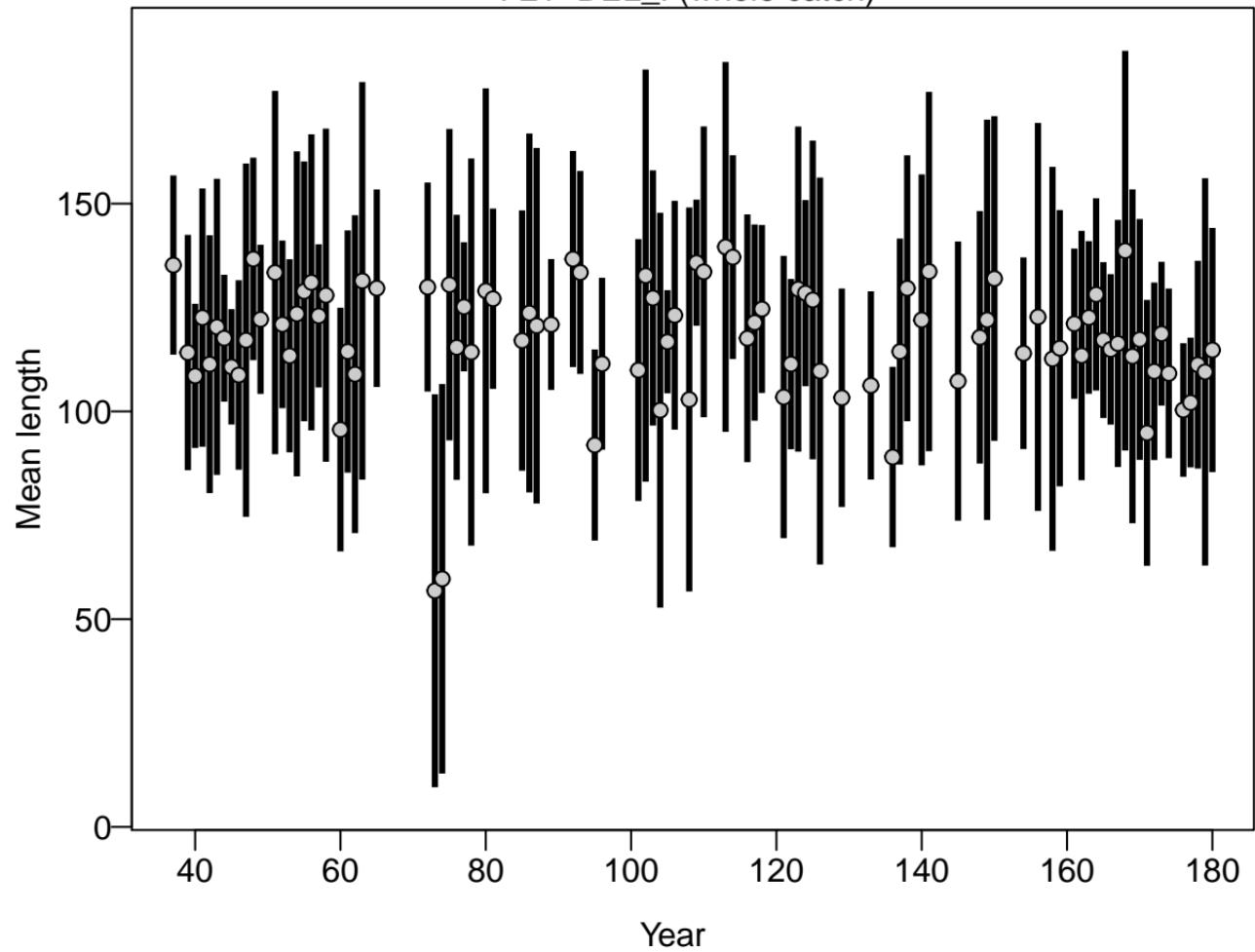


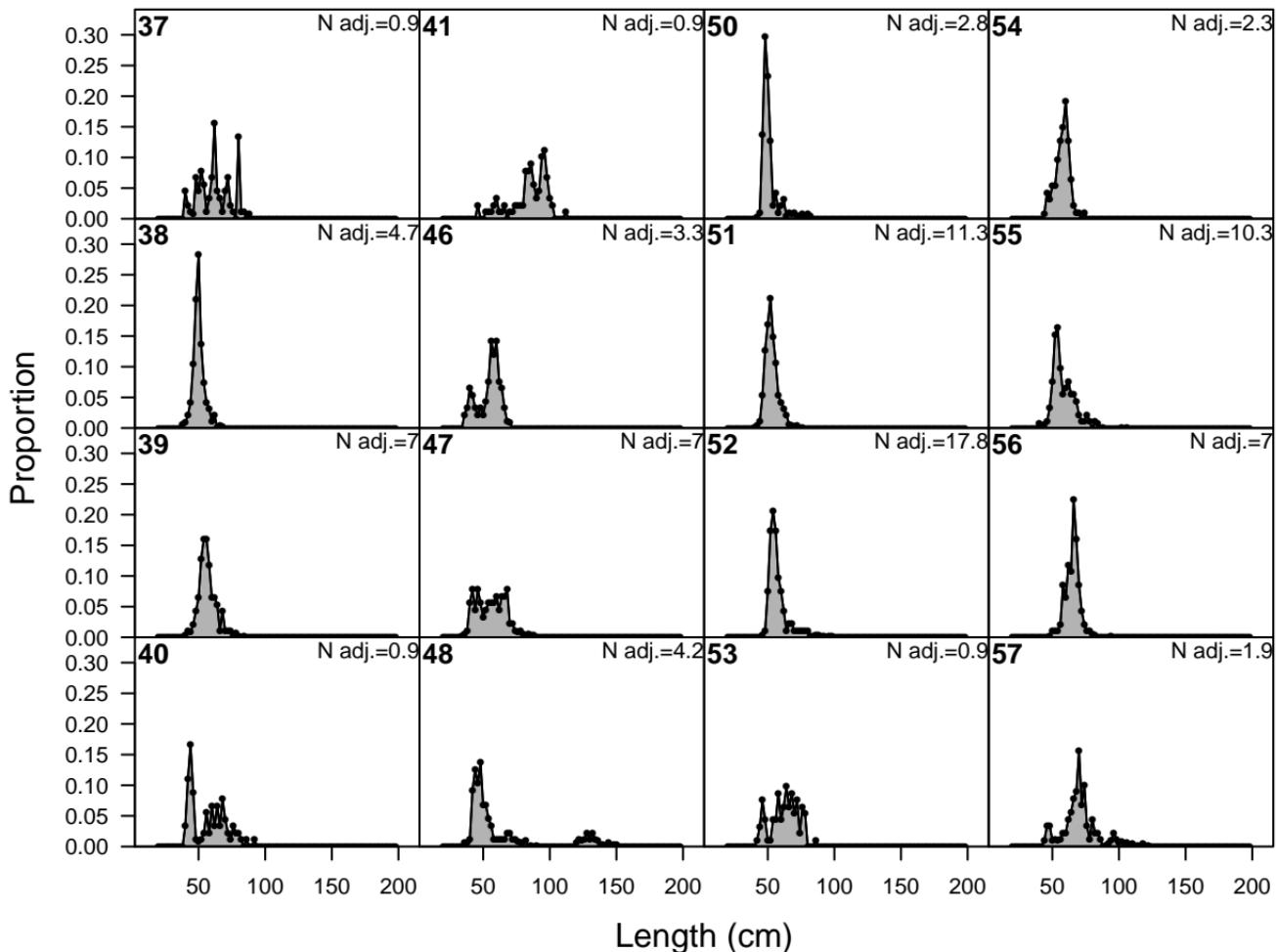




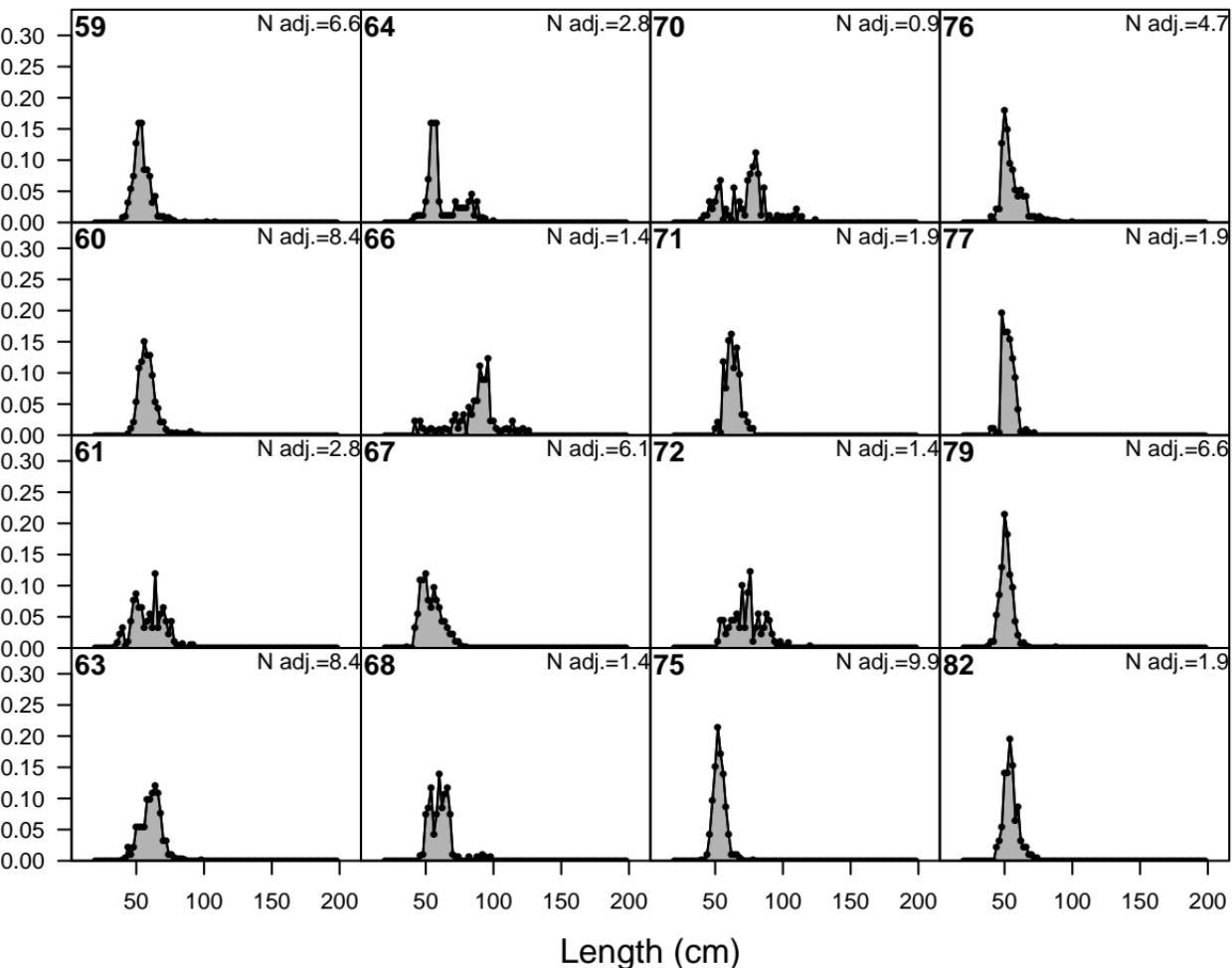


F21-DEL_I (whole catch)

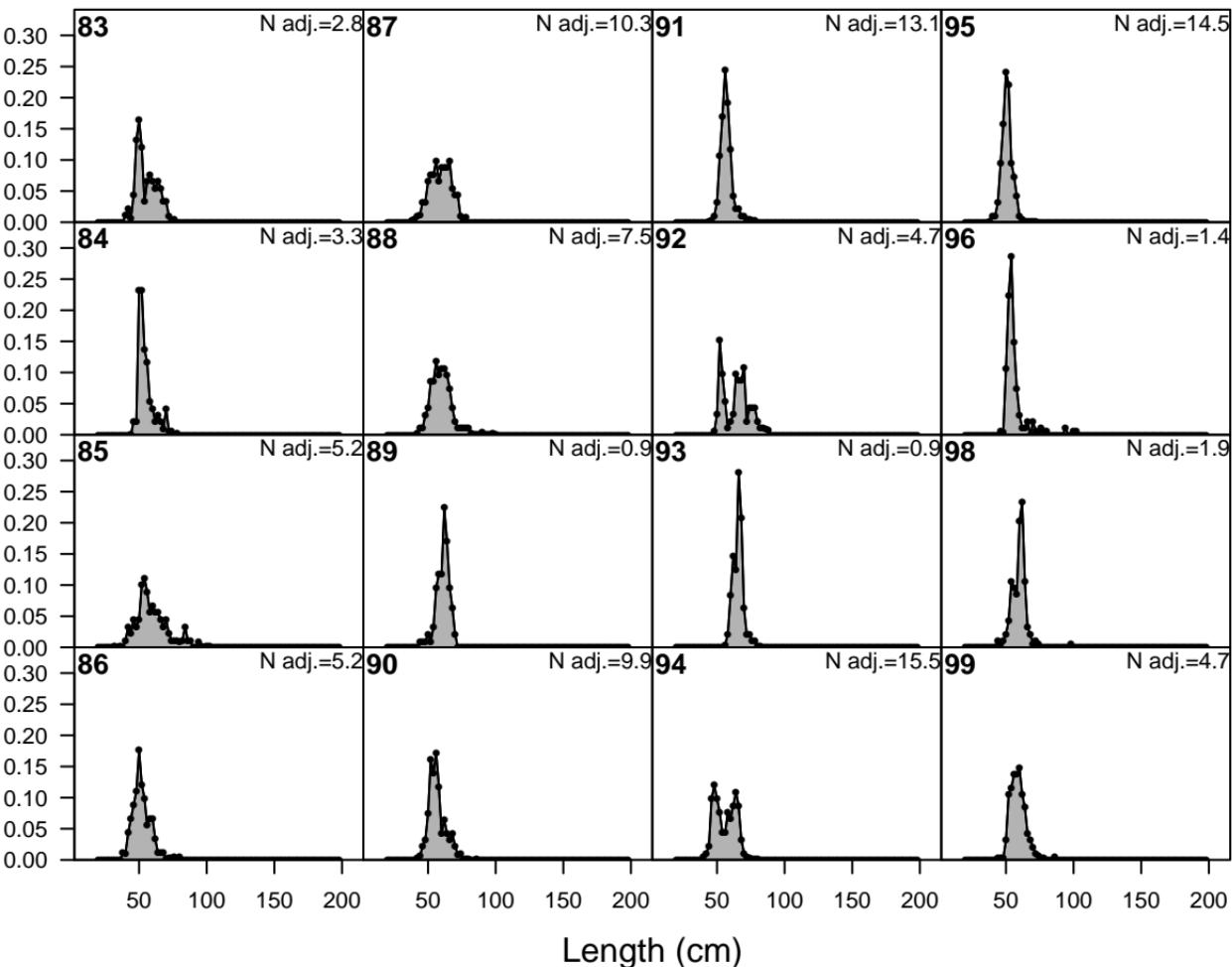




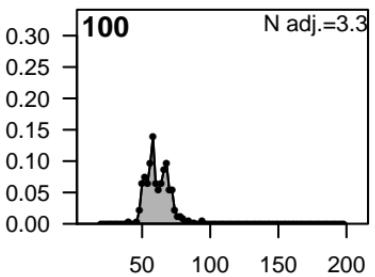
Proportion



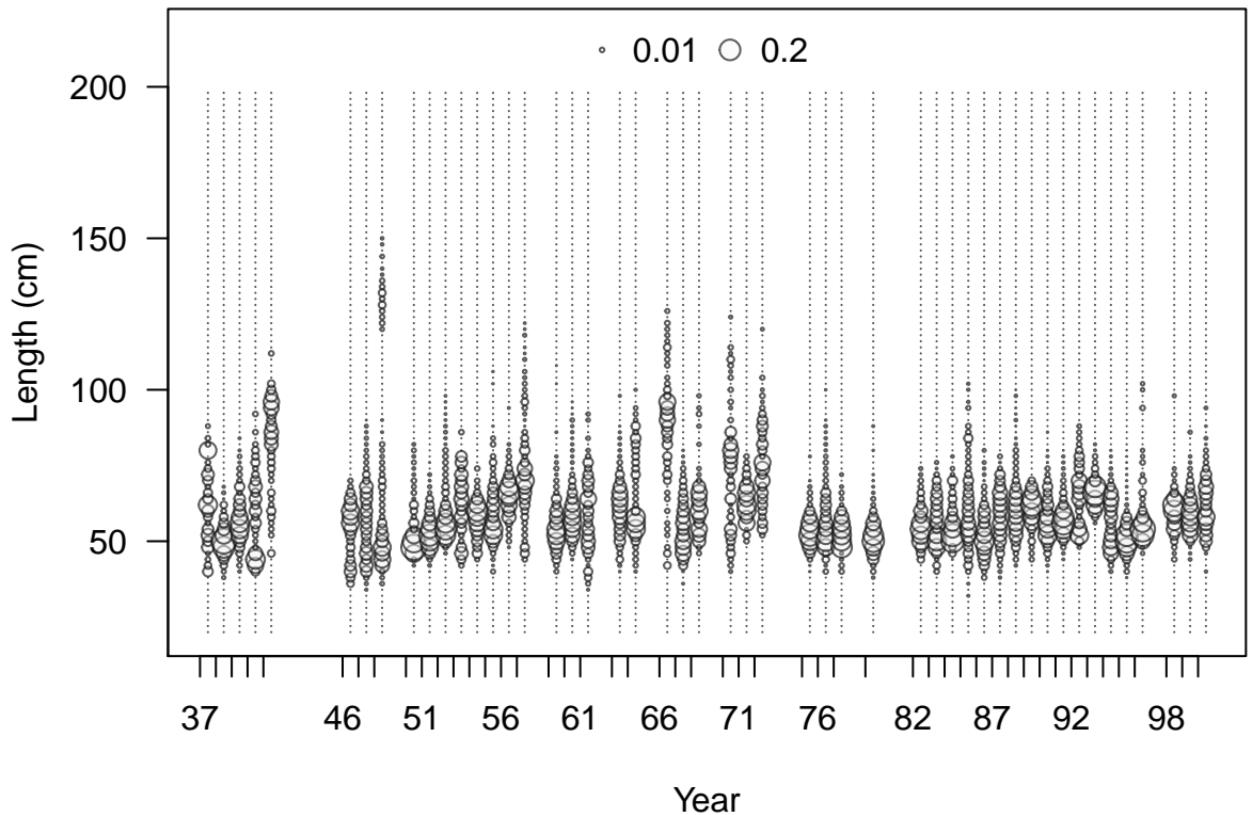
Proportion



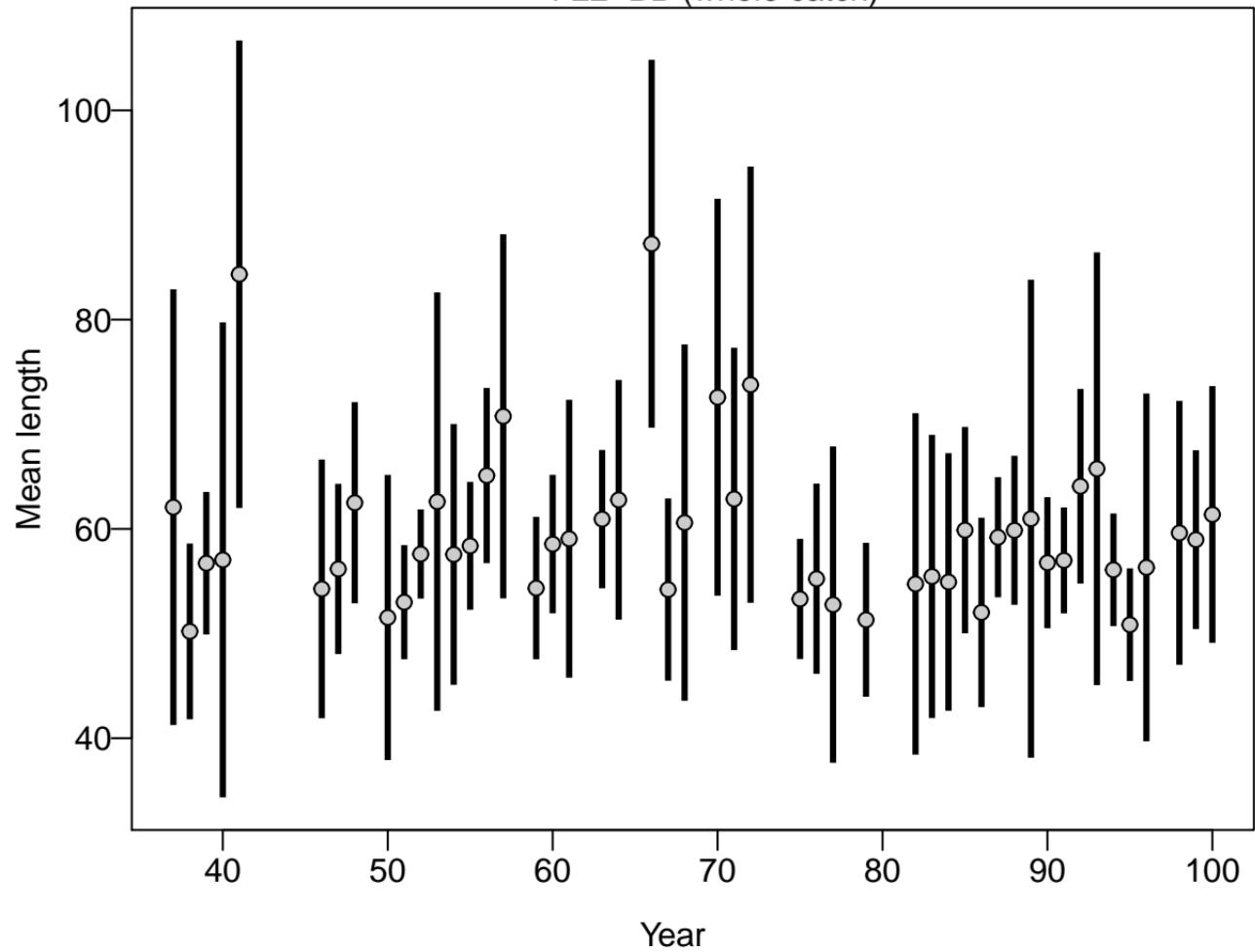
Proportion



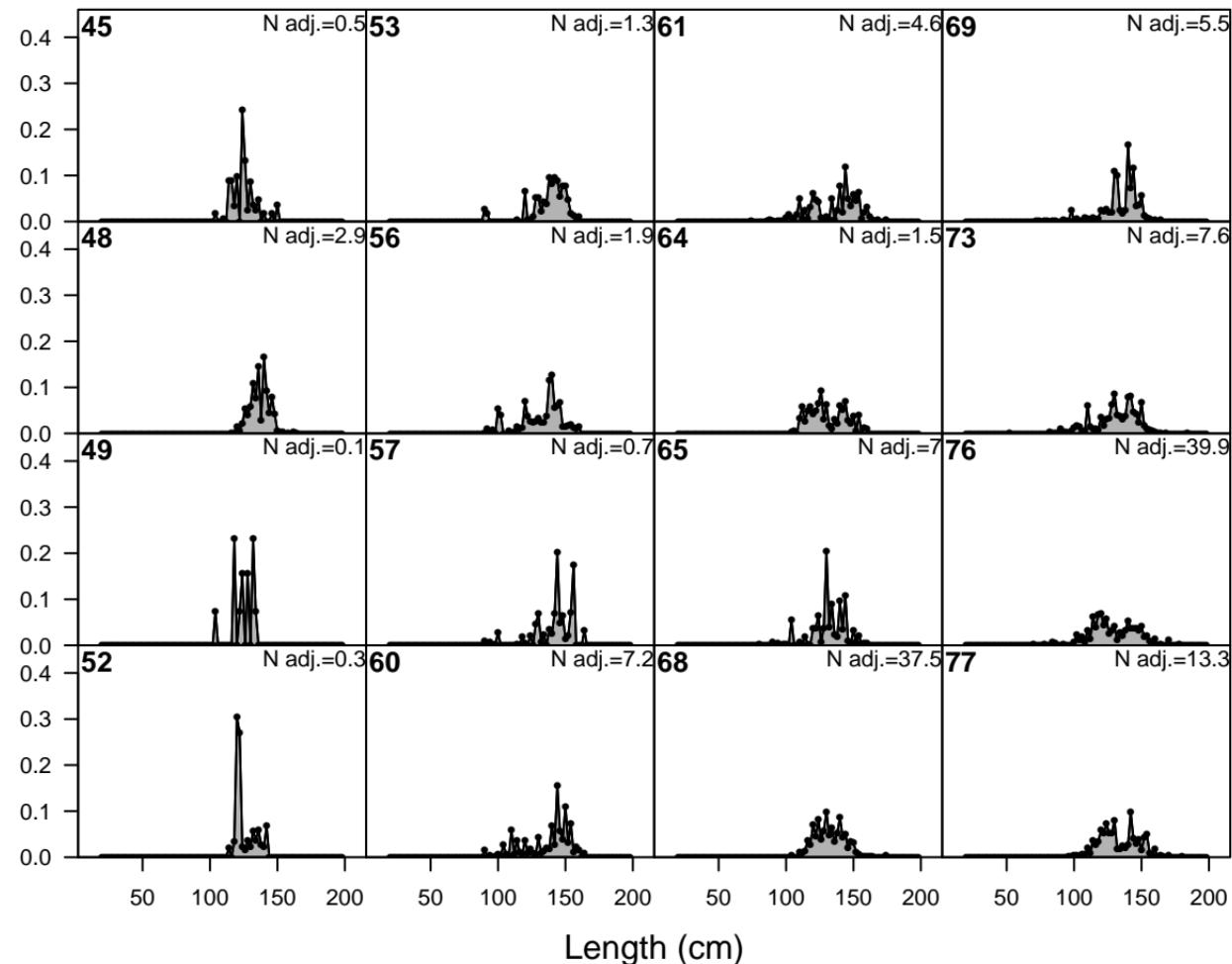
Length (cm)



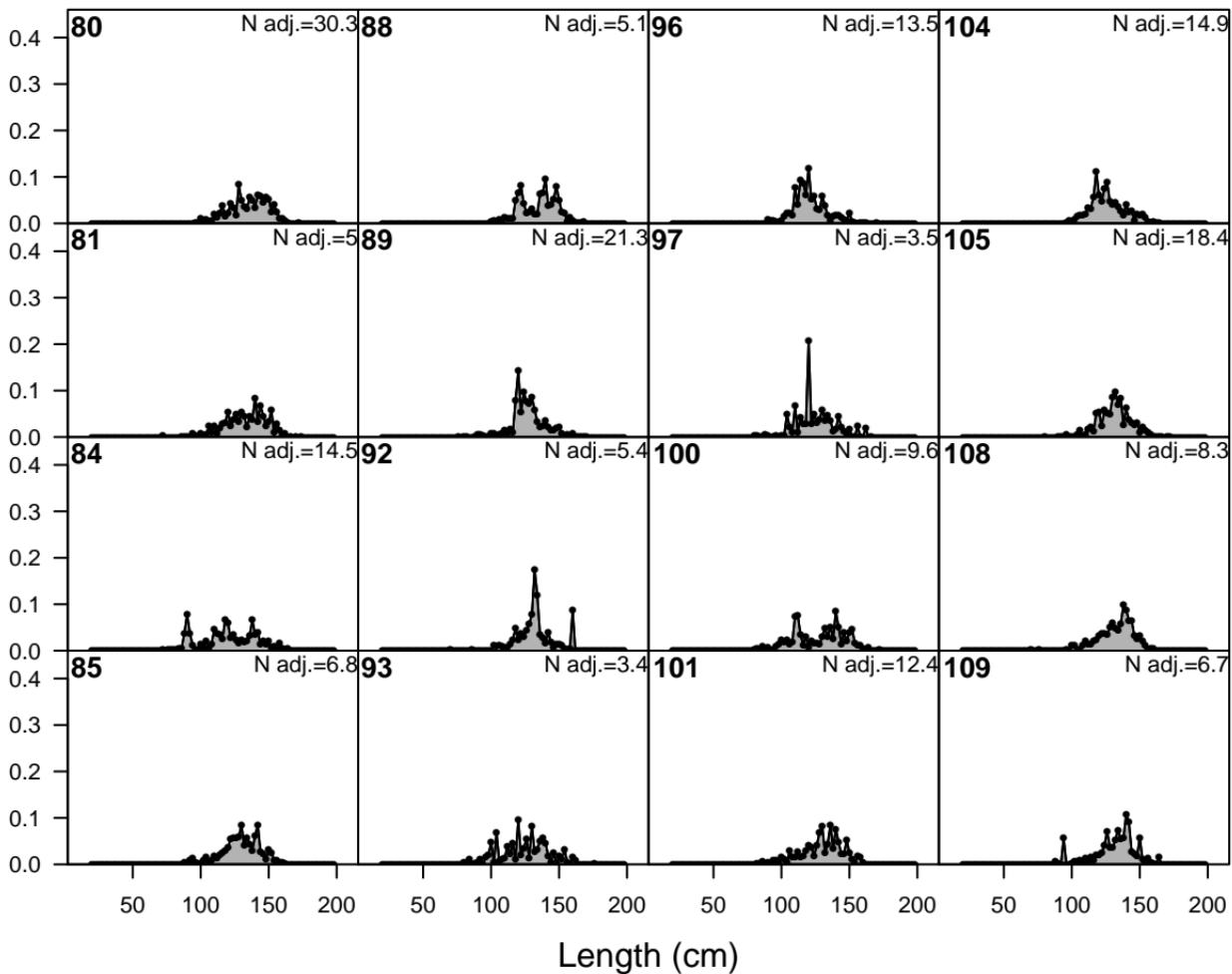
F22-BB (whole catch)



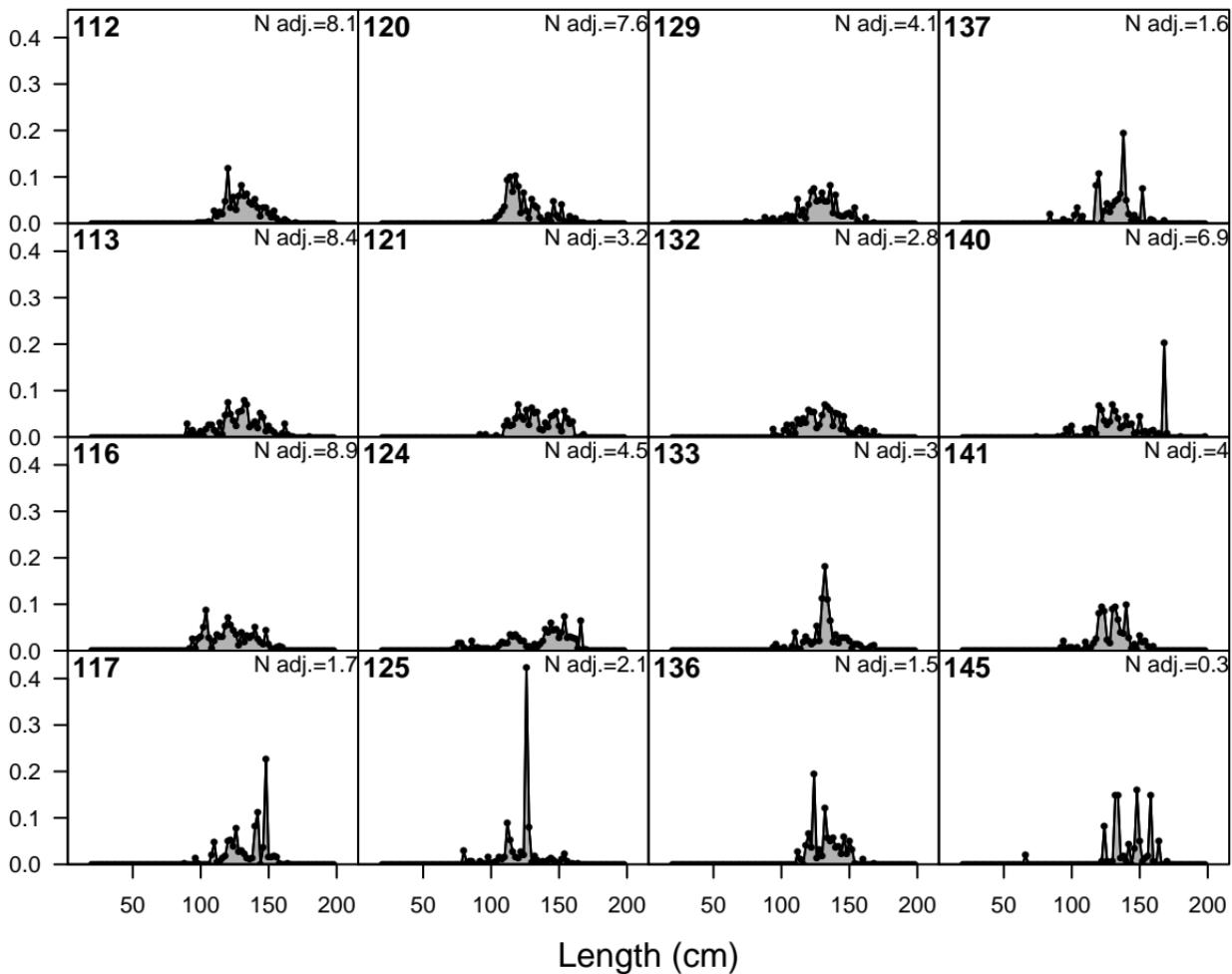
Proportion

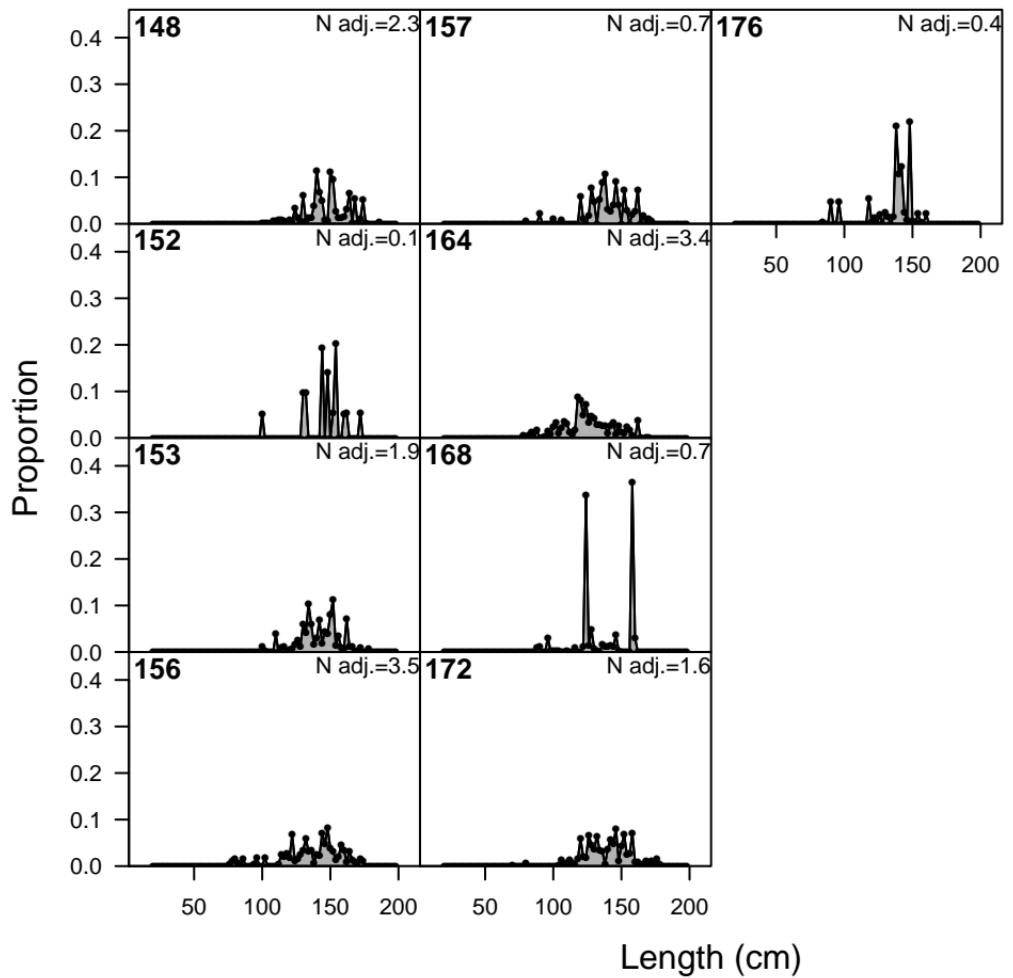


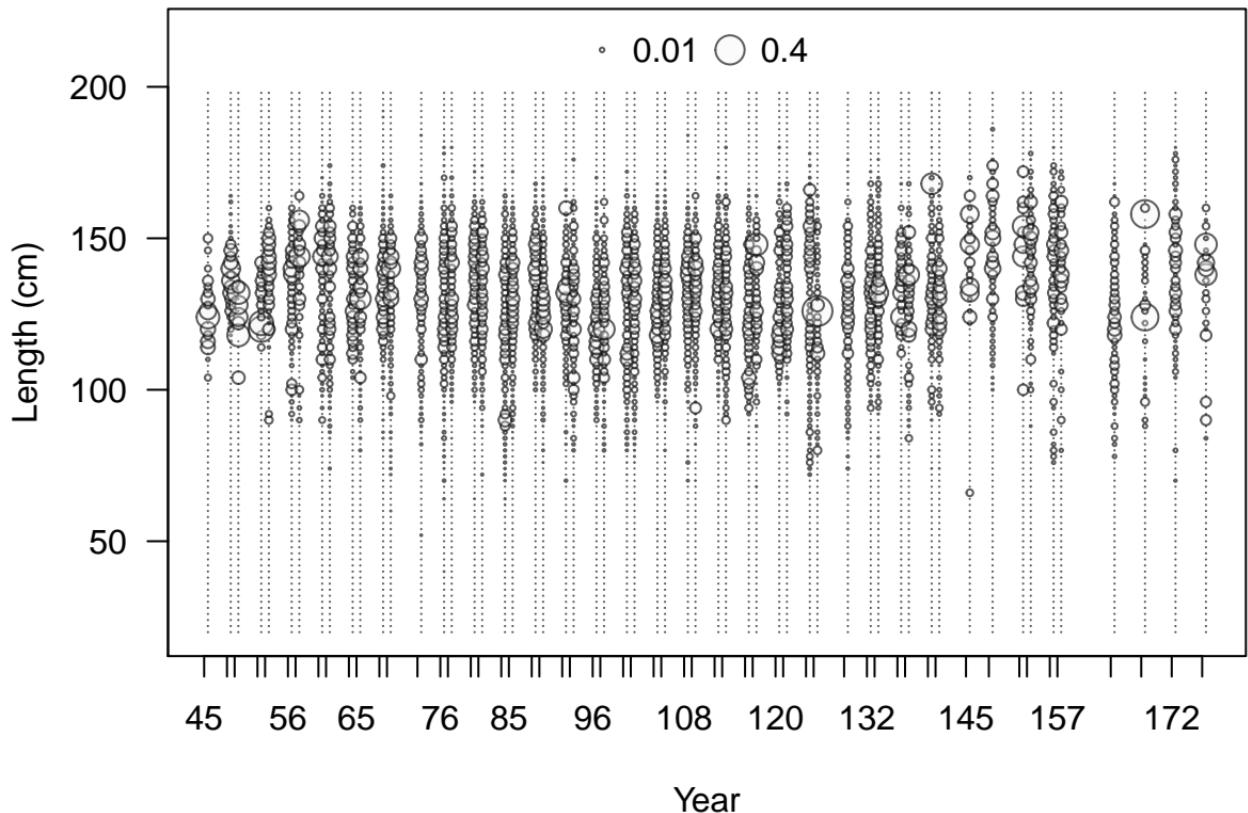
Proportion



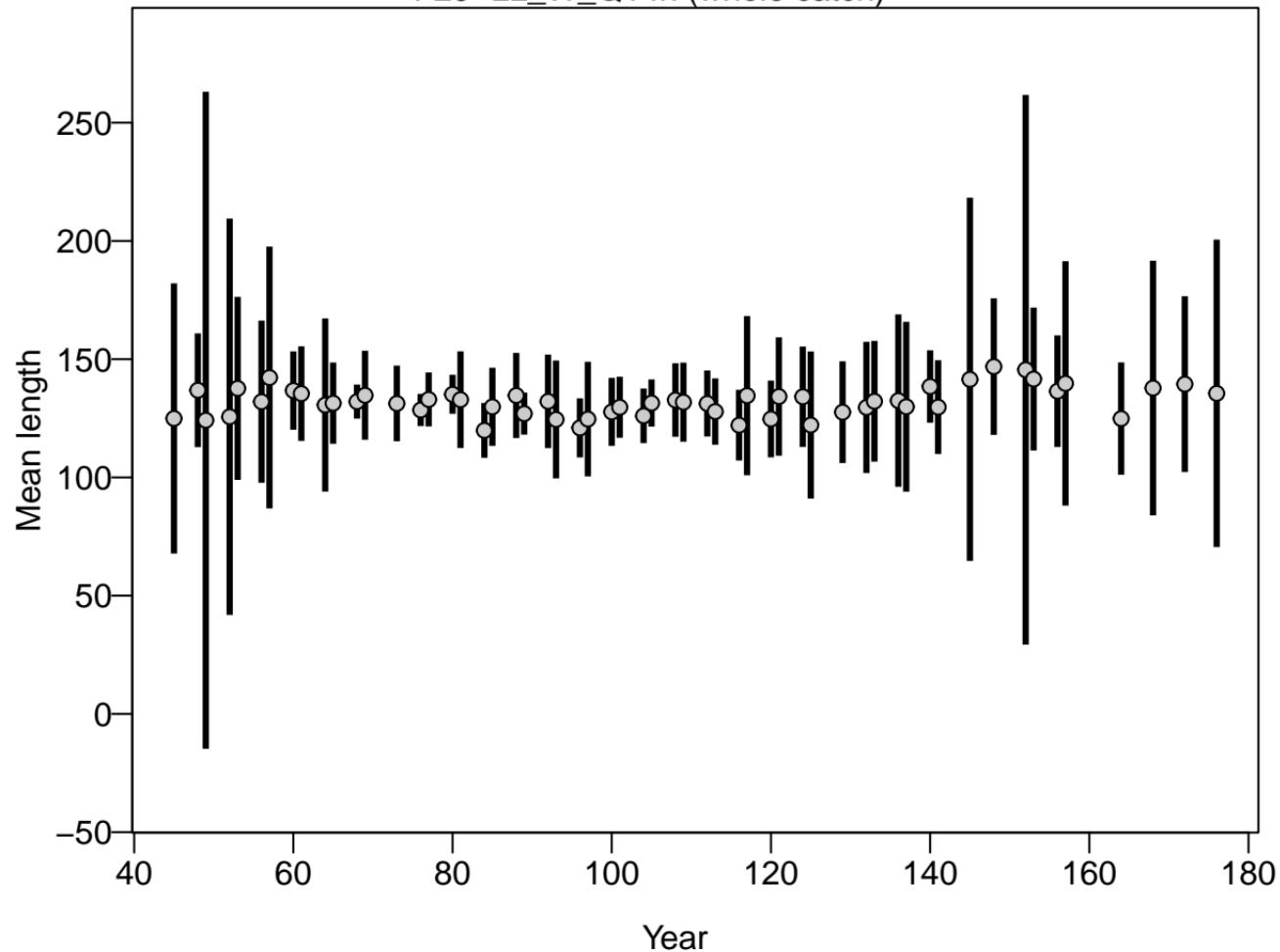
Proportion



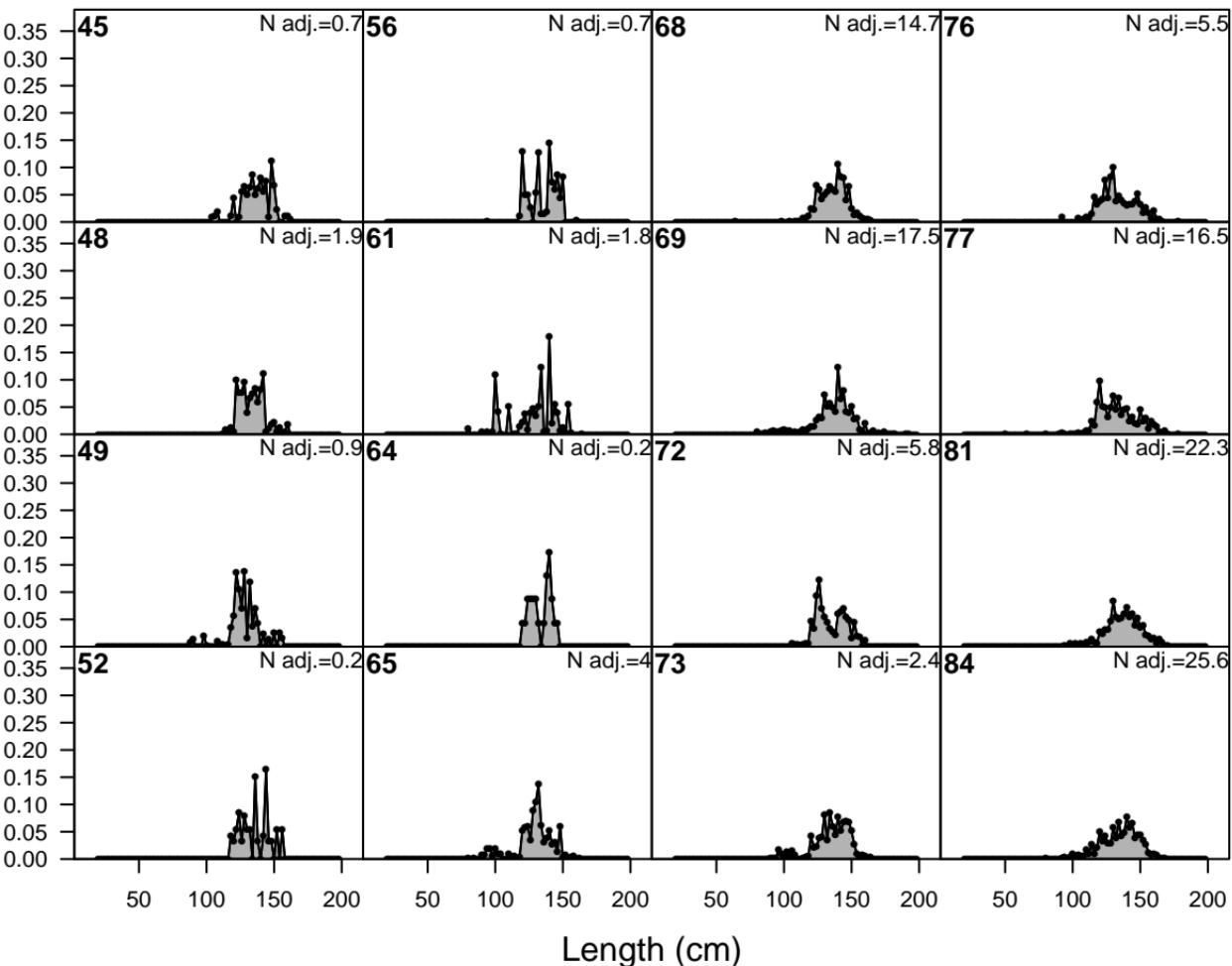




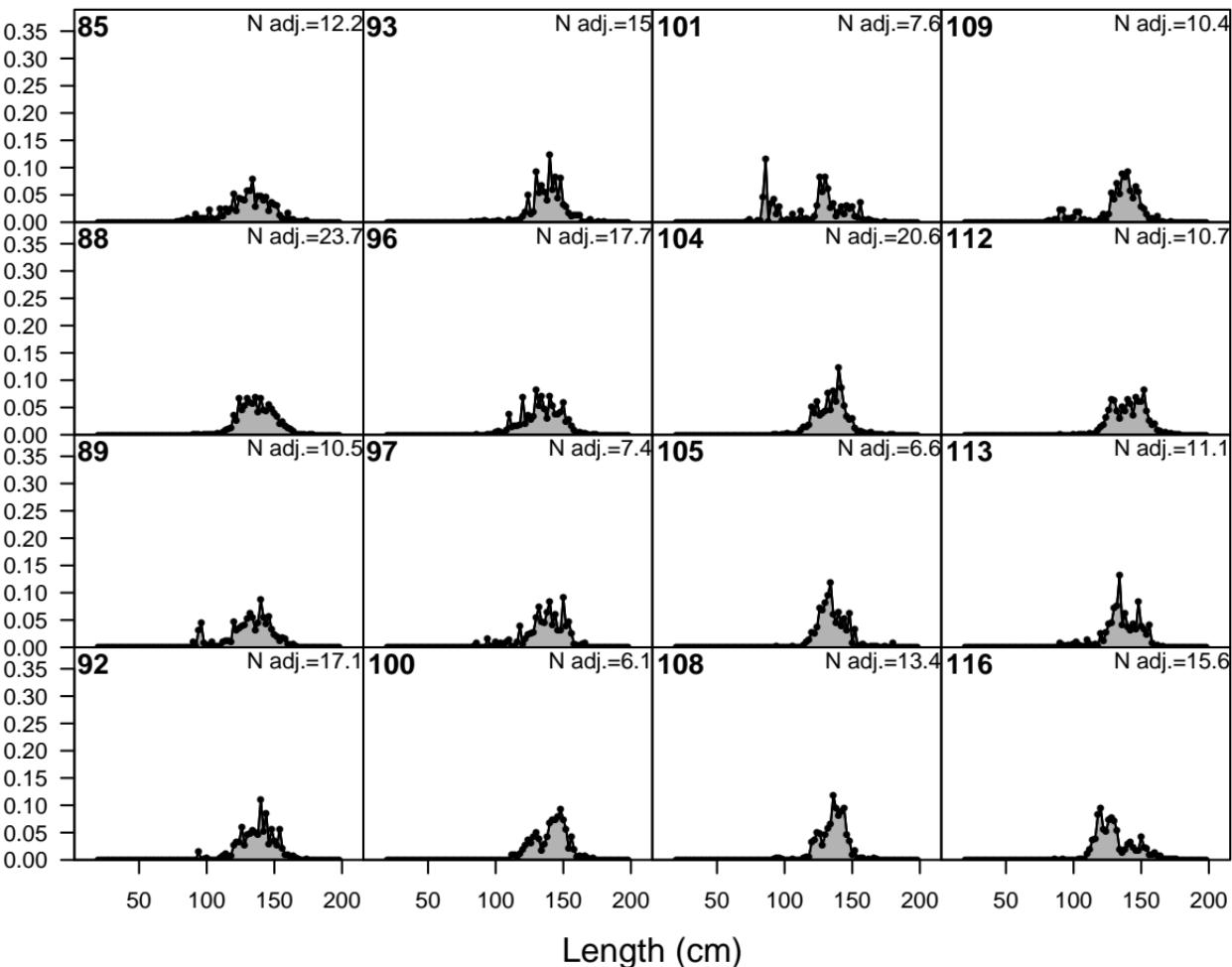
F29-LL_W_Q14n (whole catch)



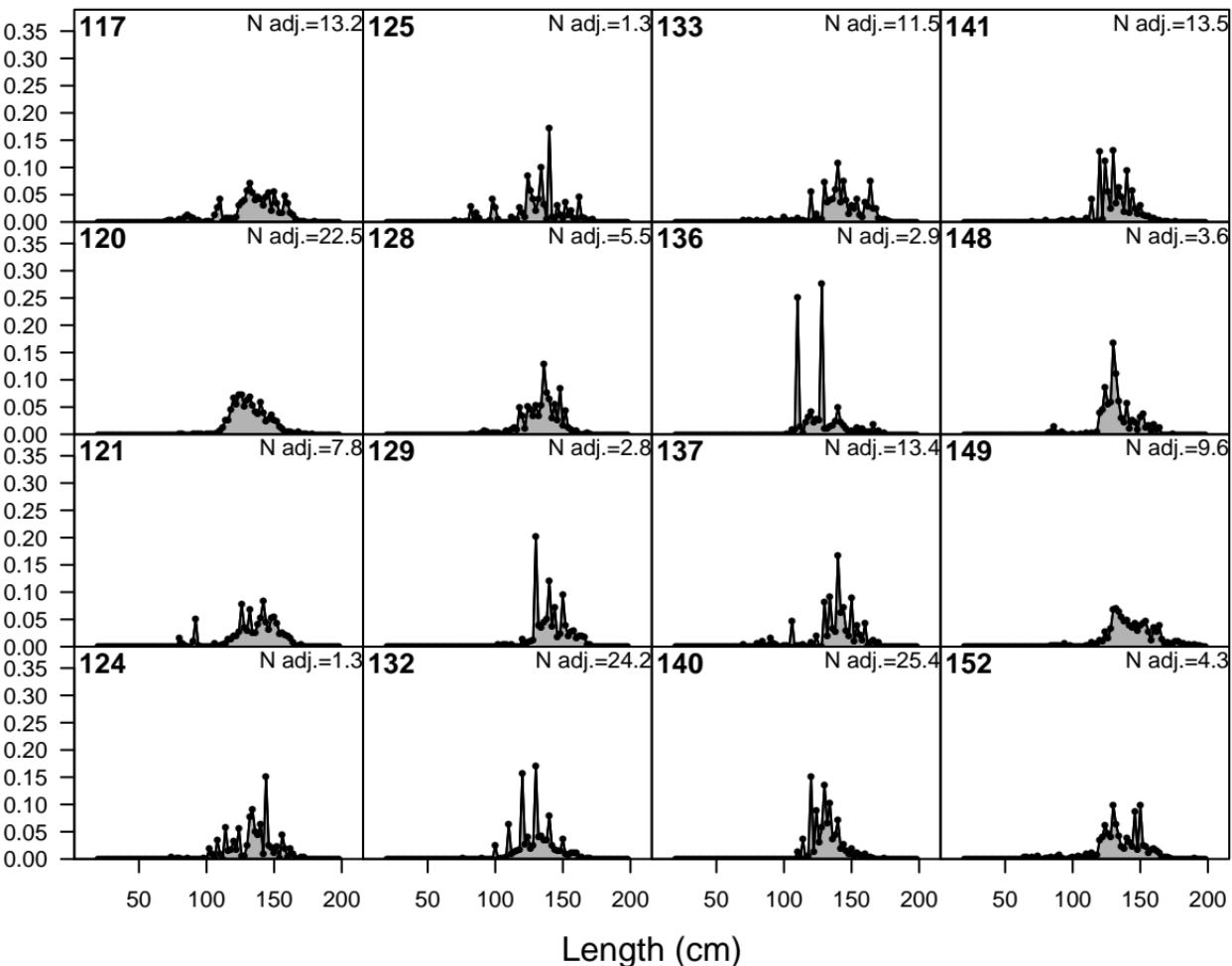
Proportion



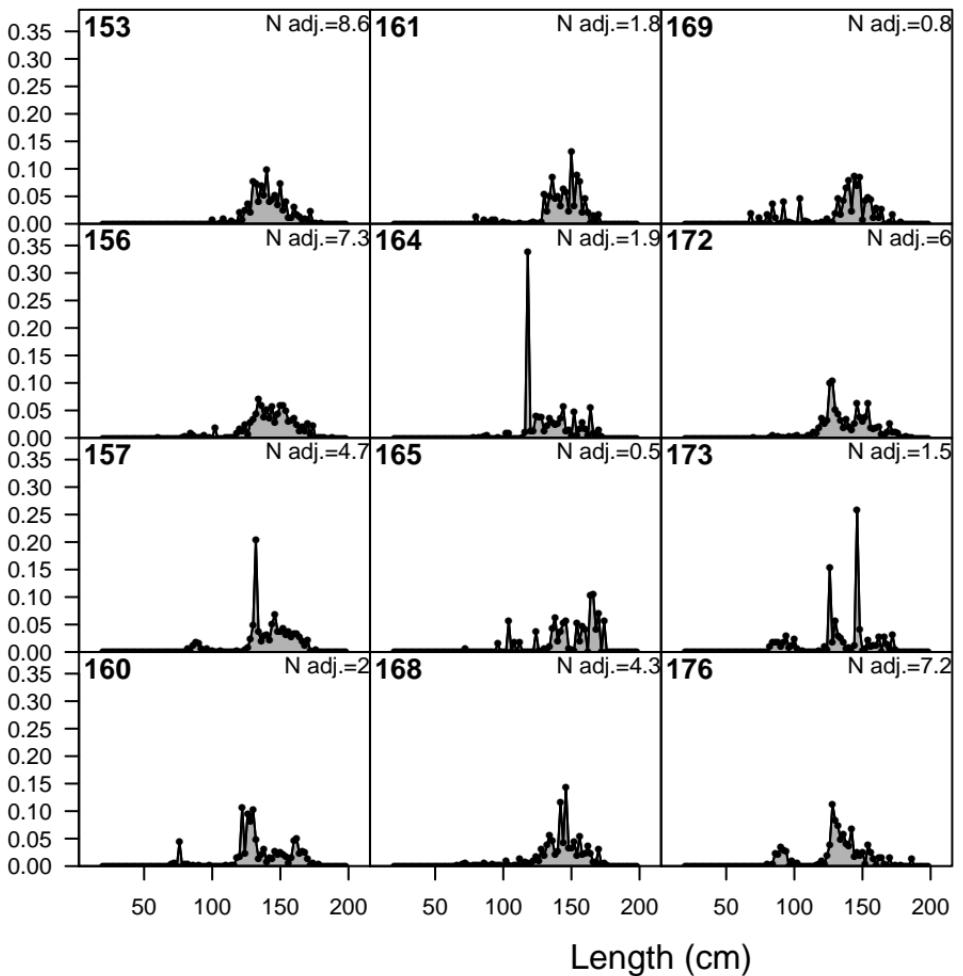
Proportion

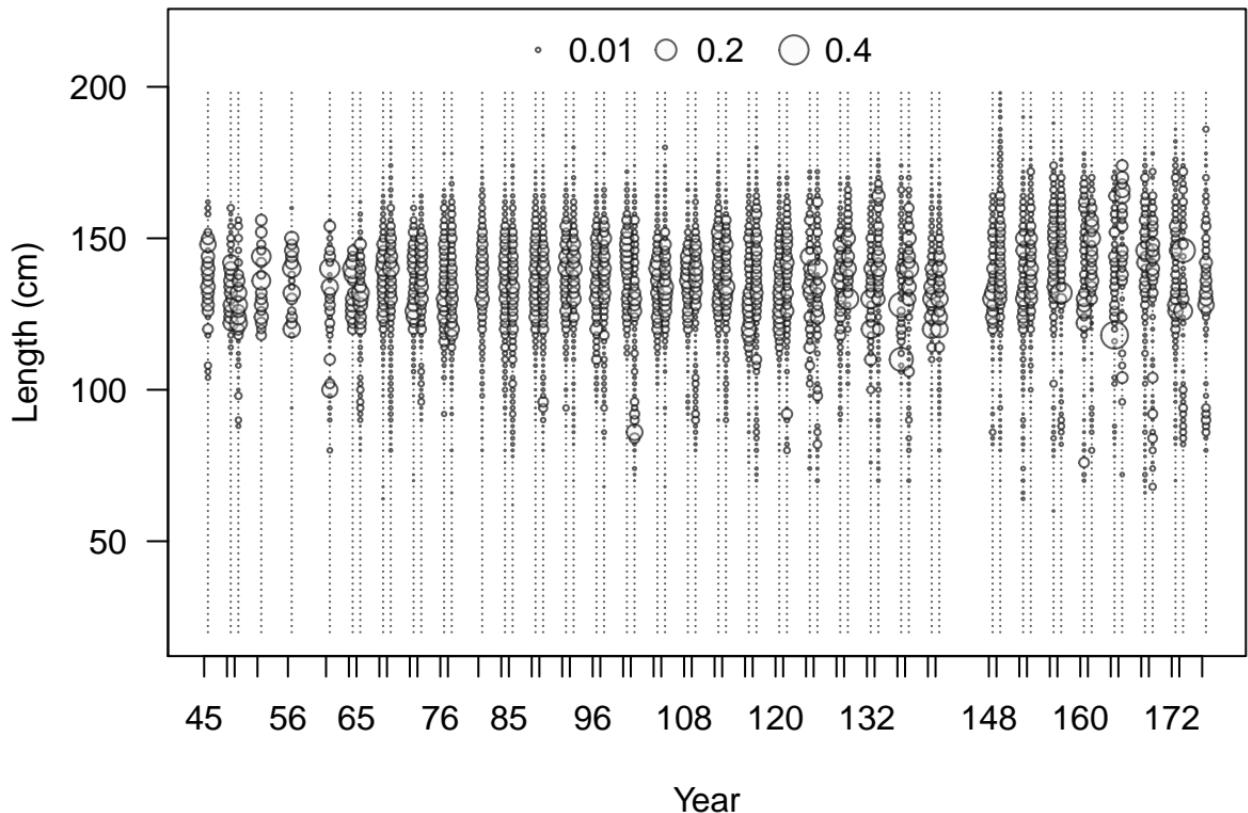


Proportion

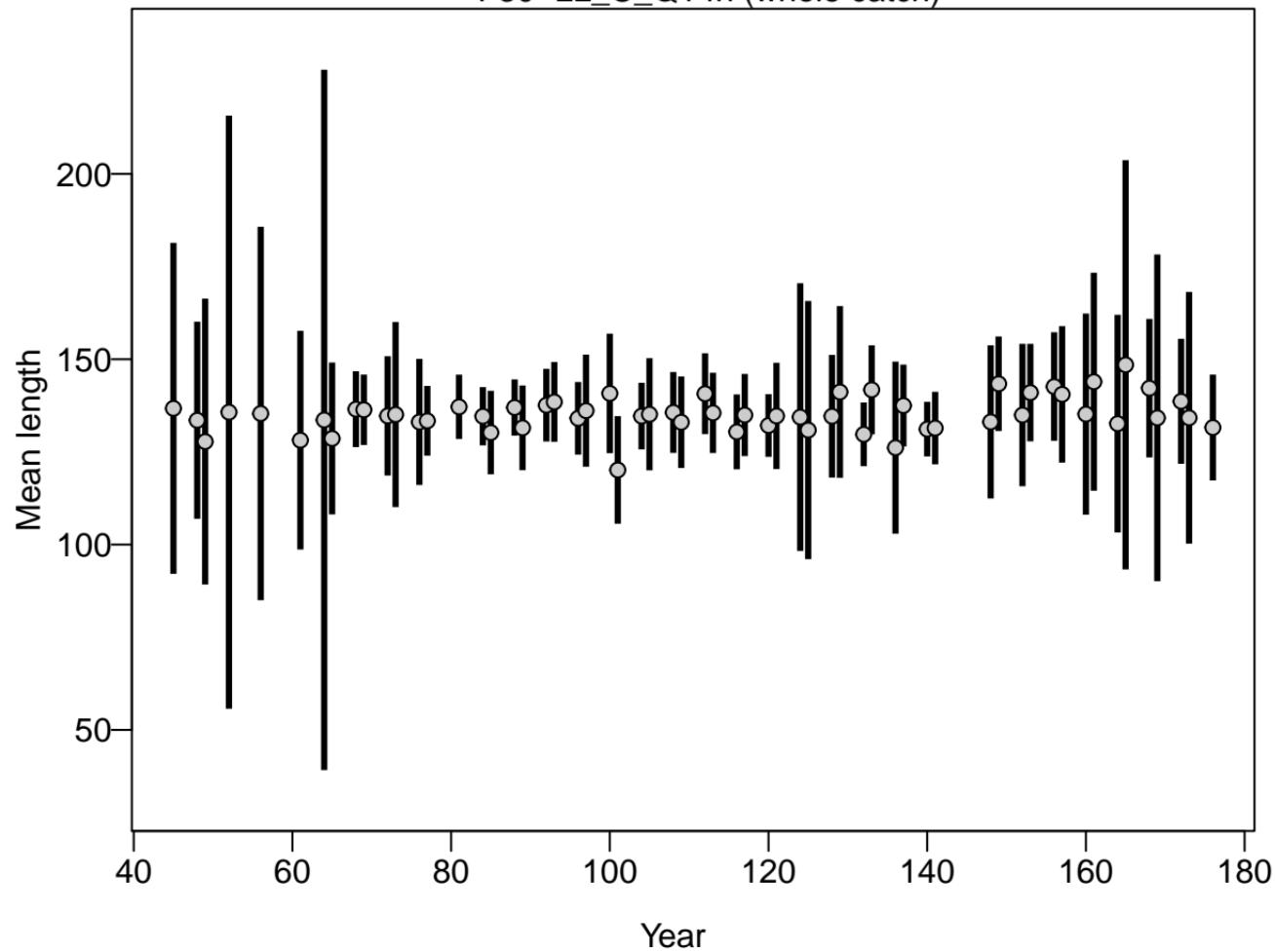


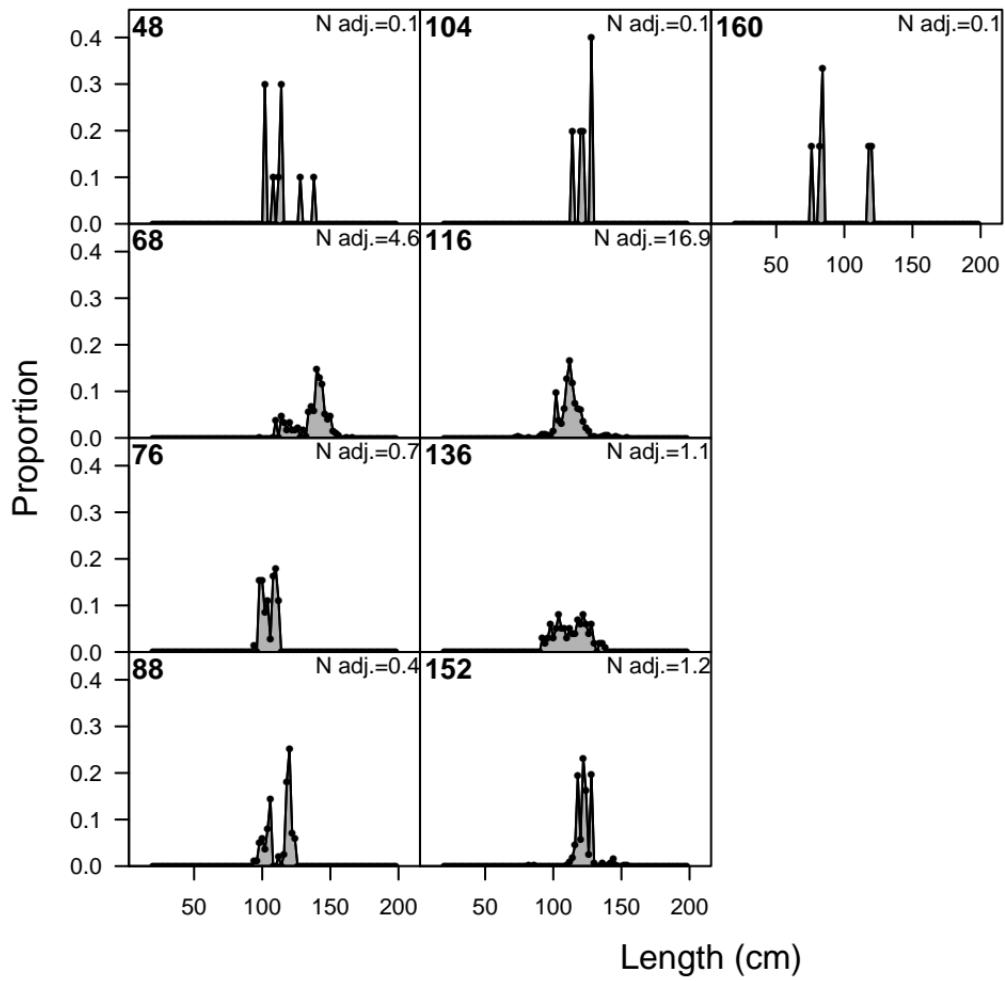
Proportion

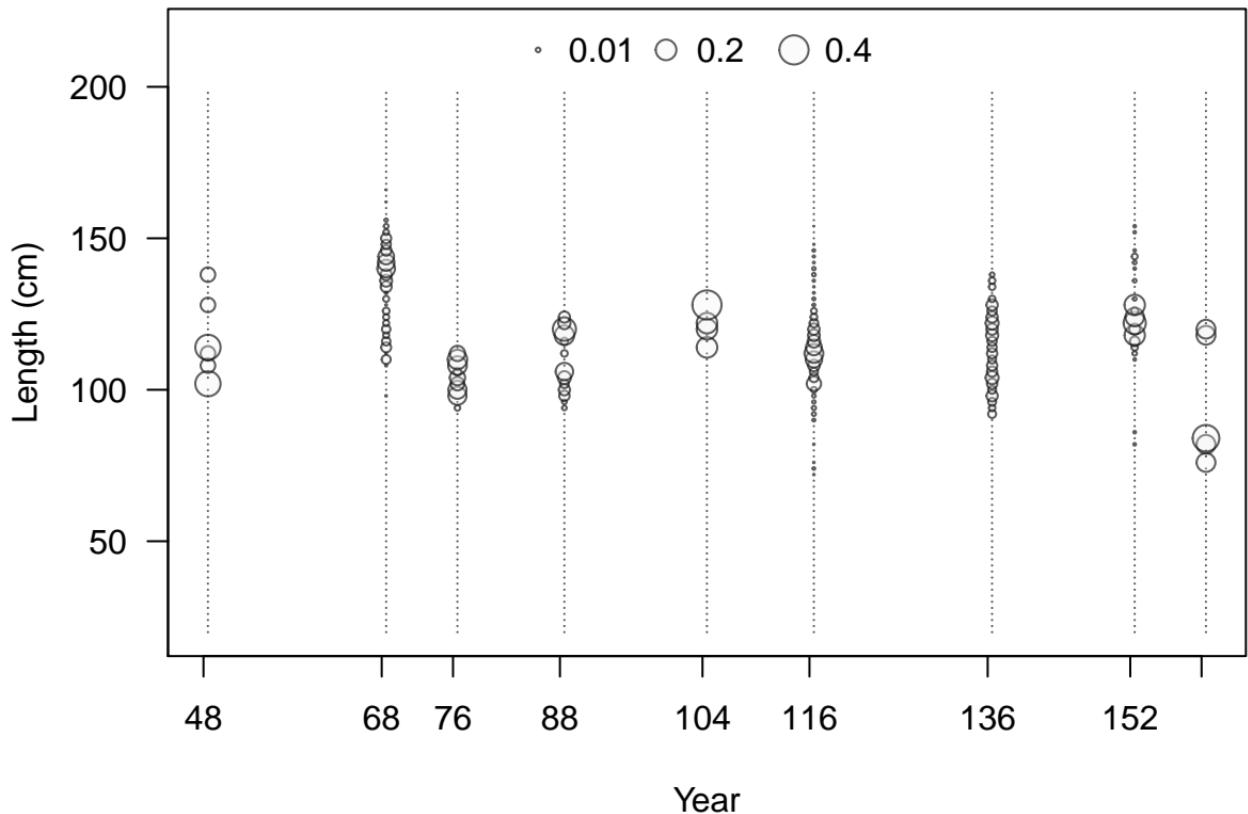




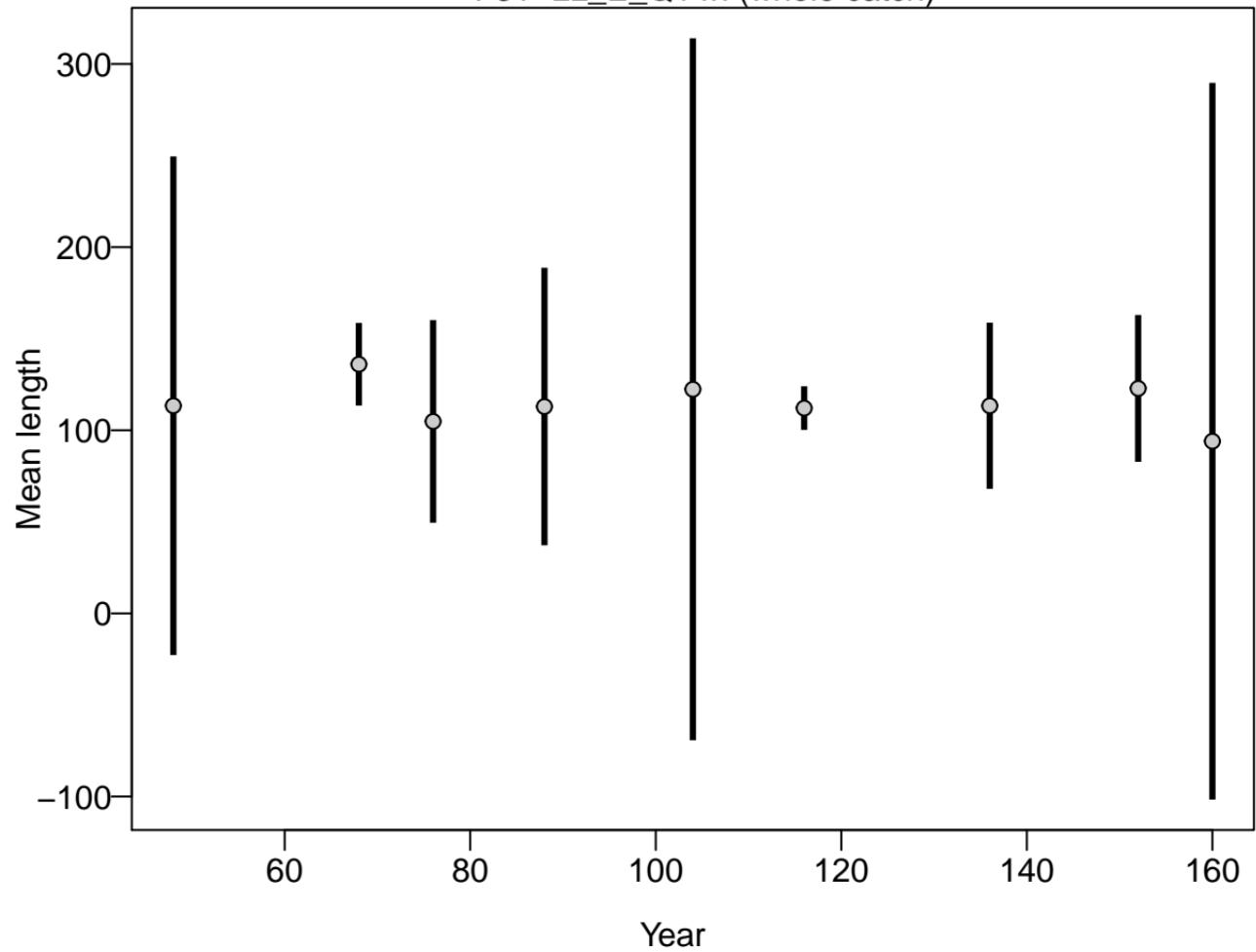
F30-LL_C_Q14n (whole catch)



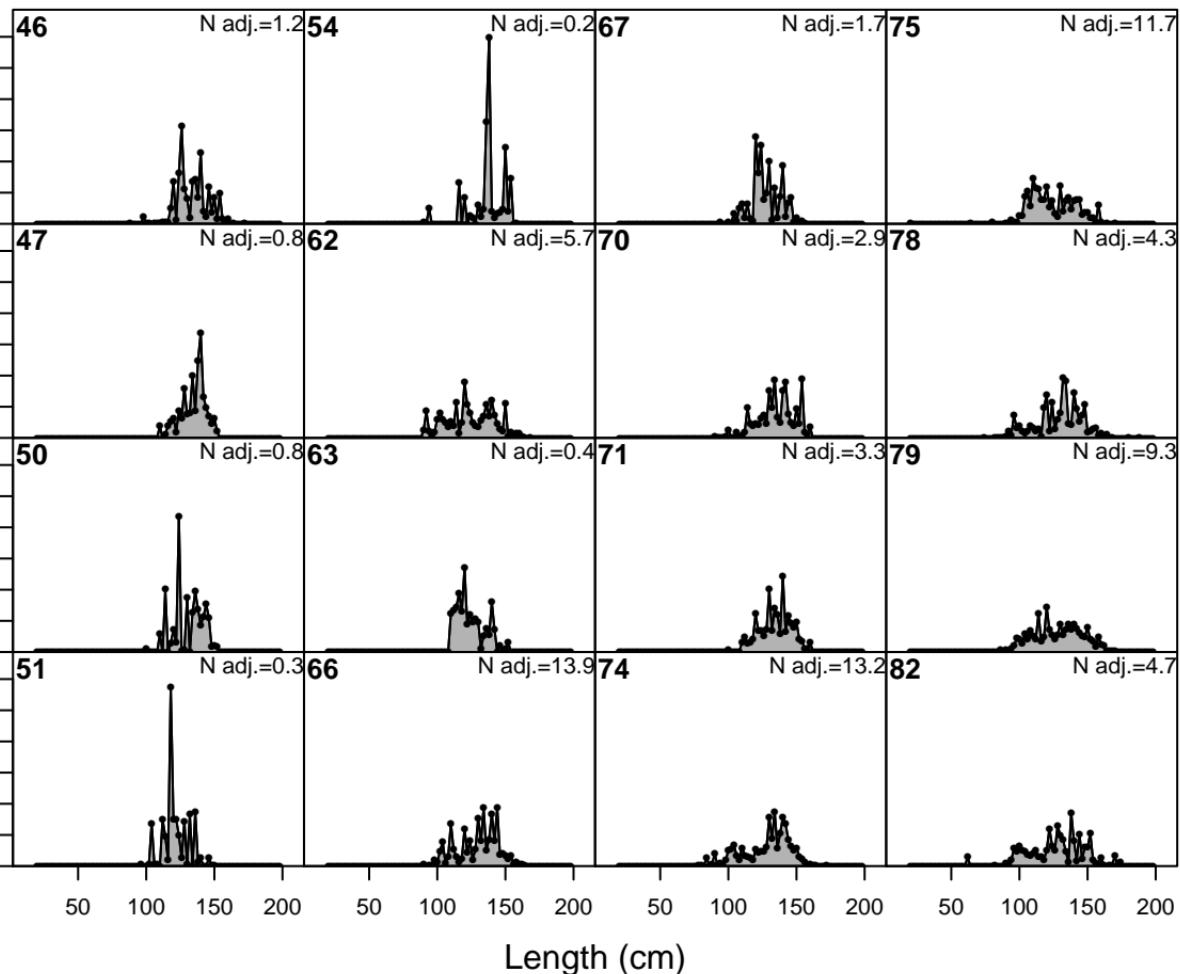




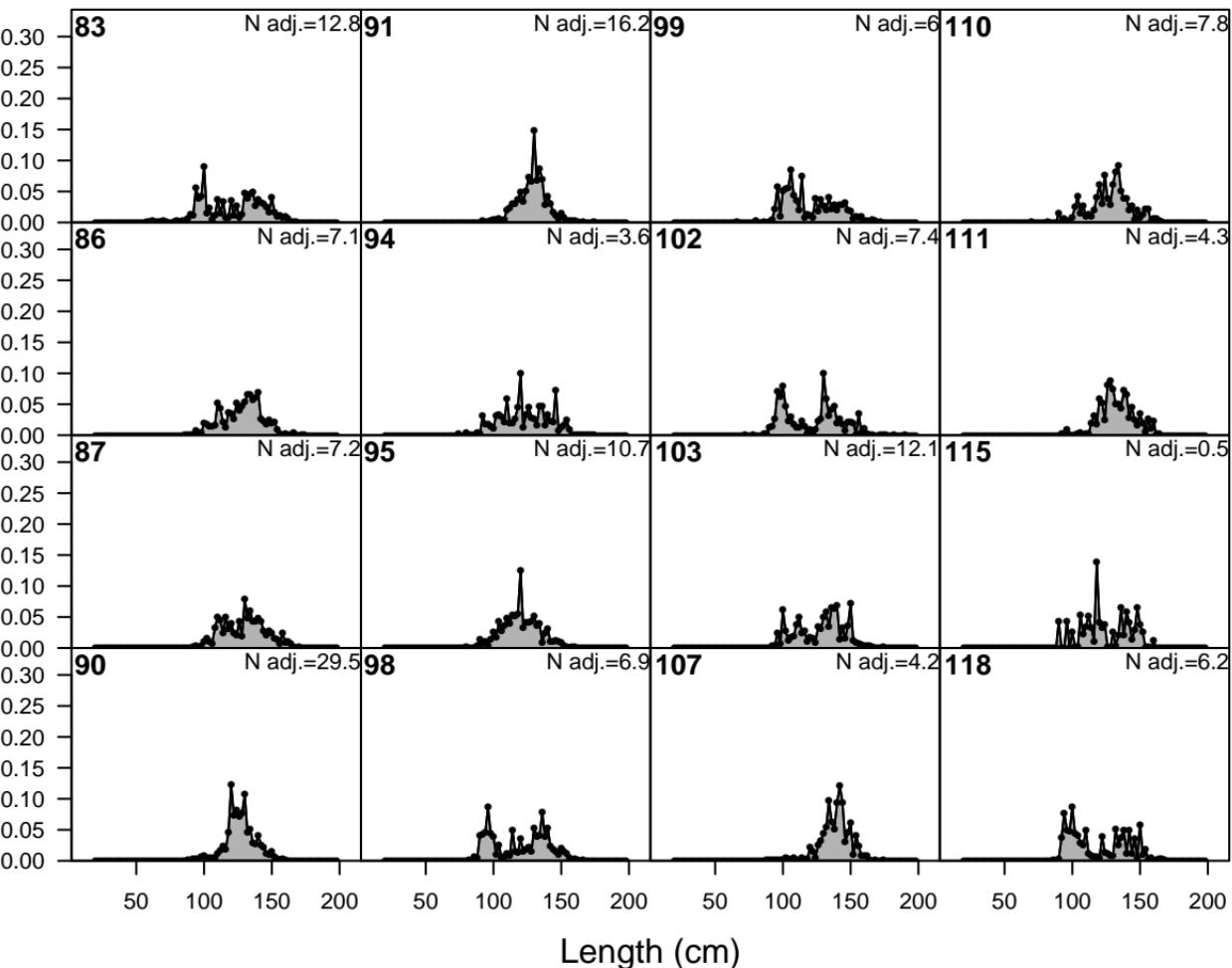
F31-LL_E_Q14n (whole catch)

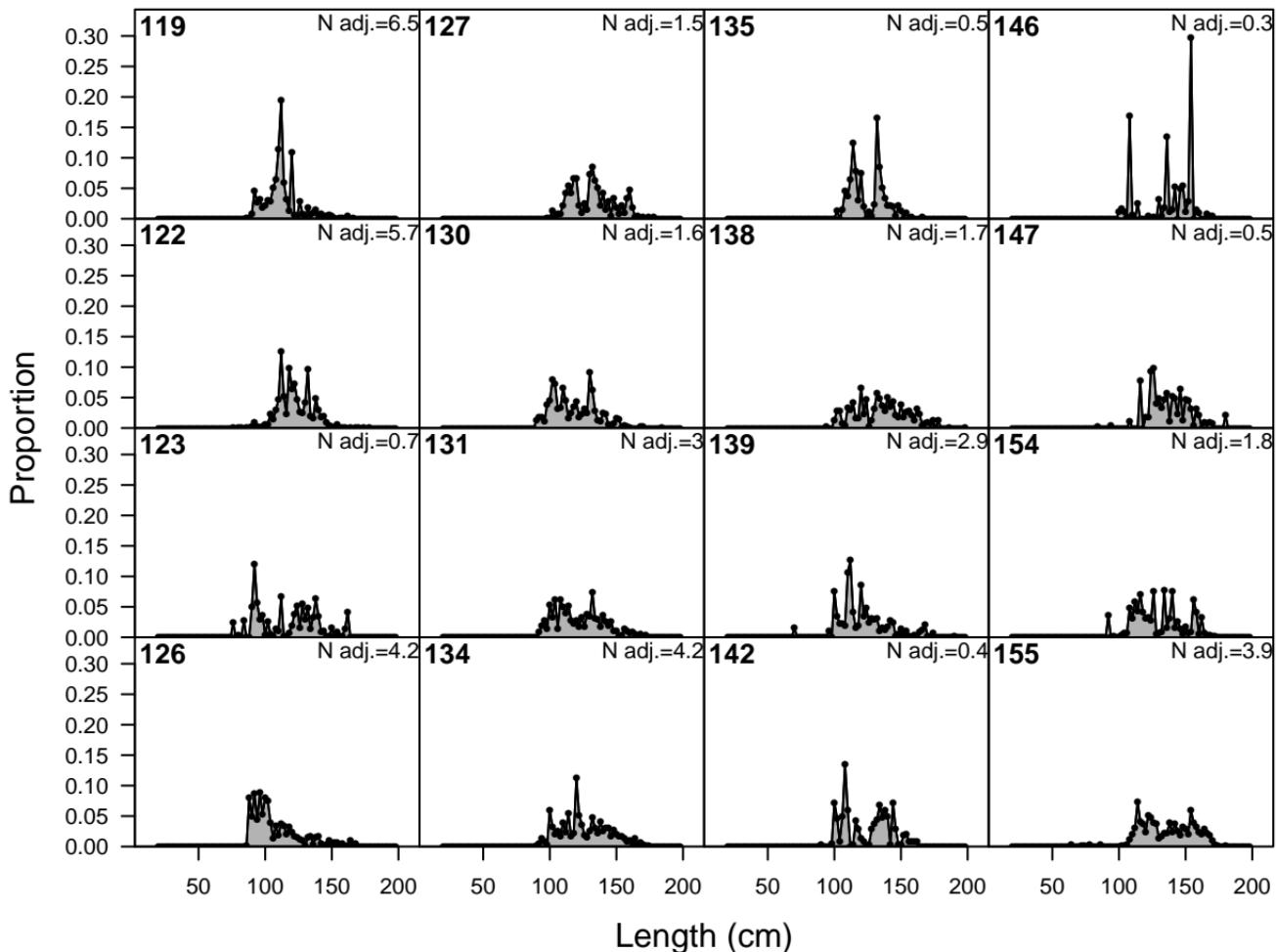


Proportion

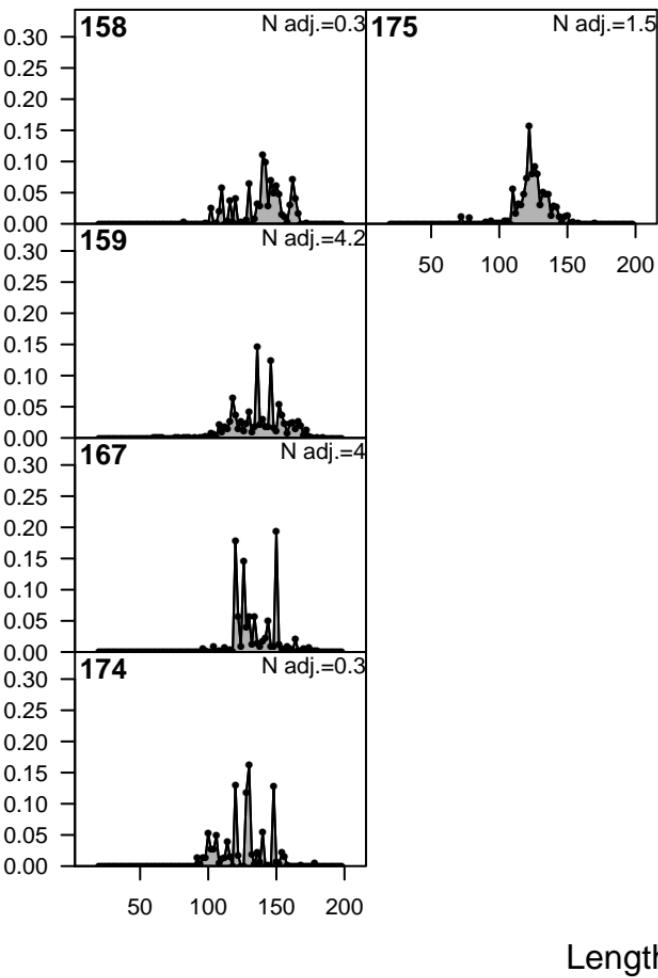


Proportion

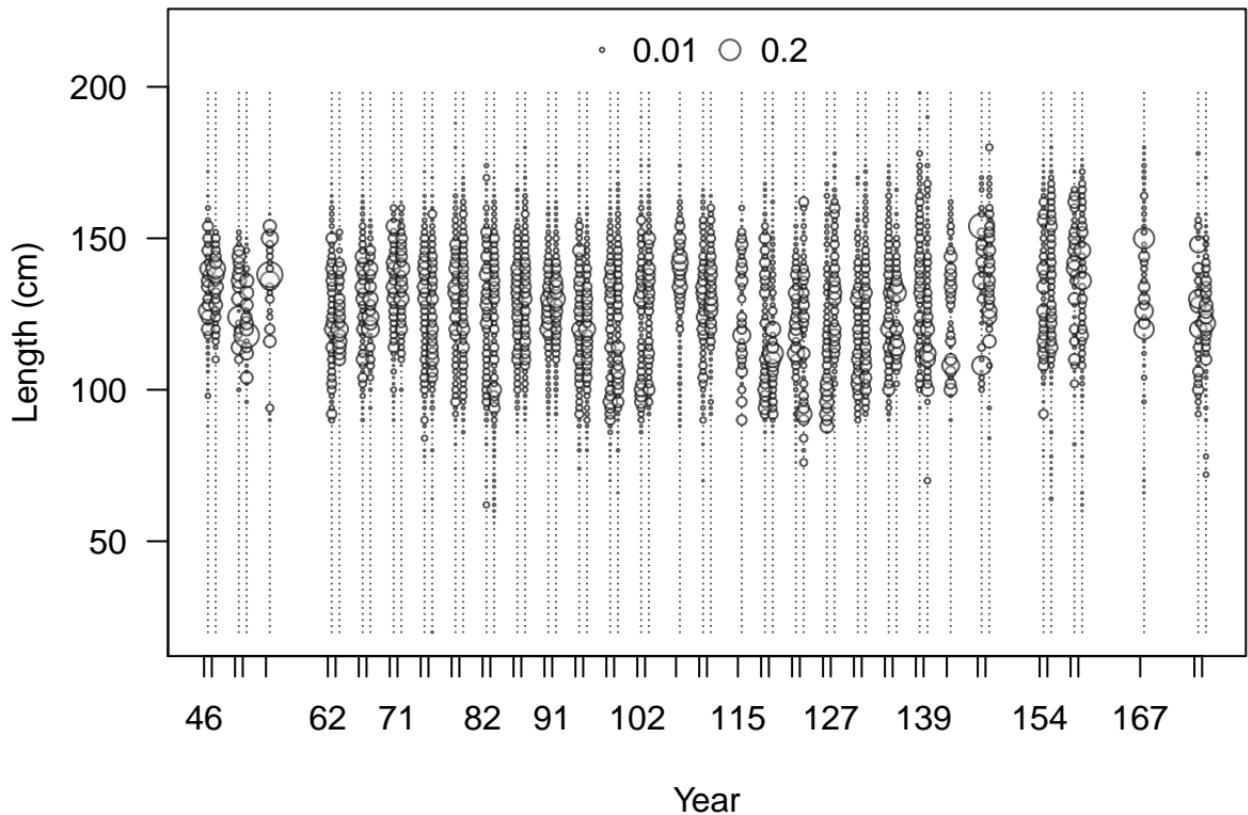




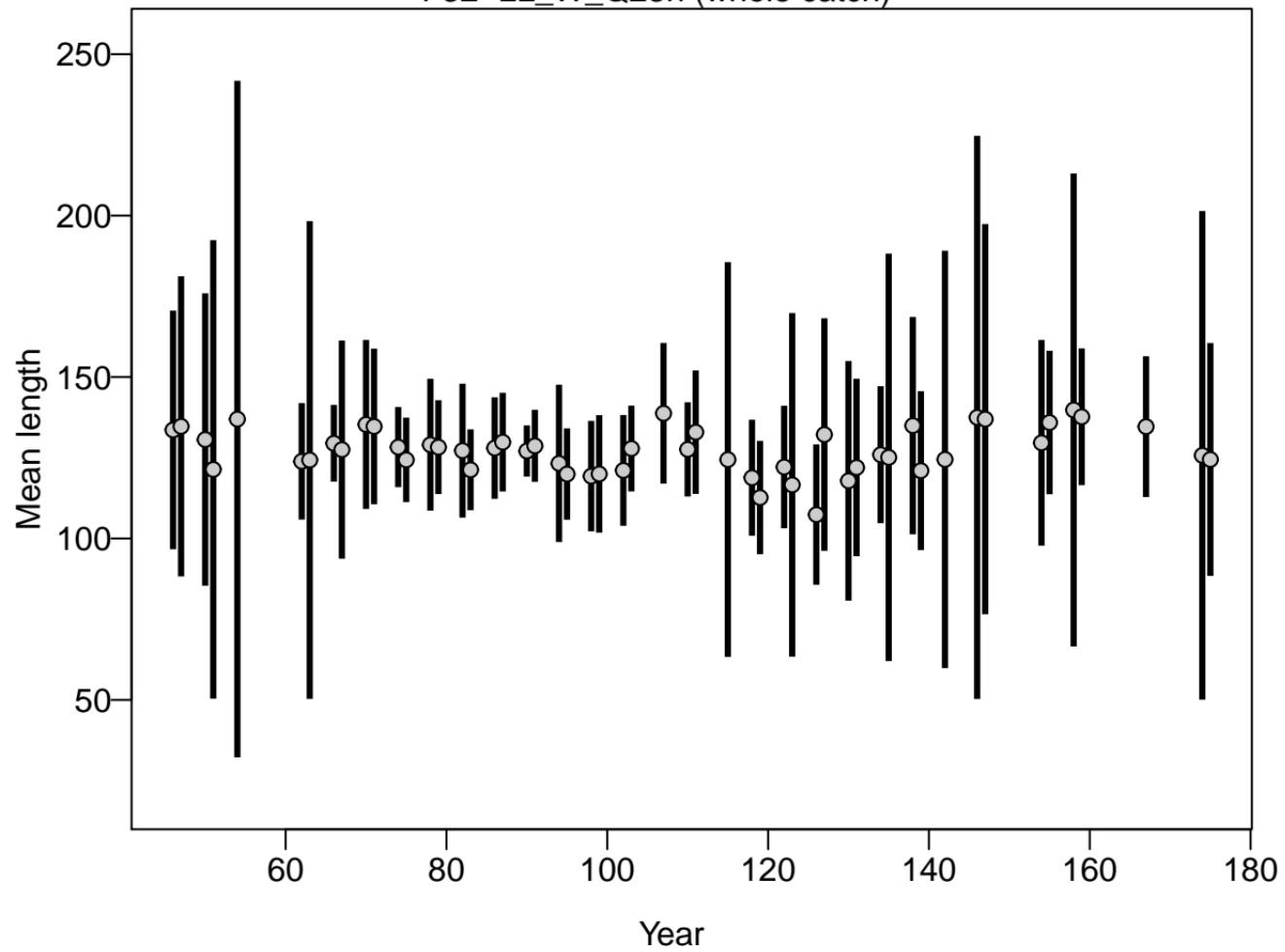
Proportion



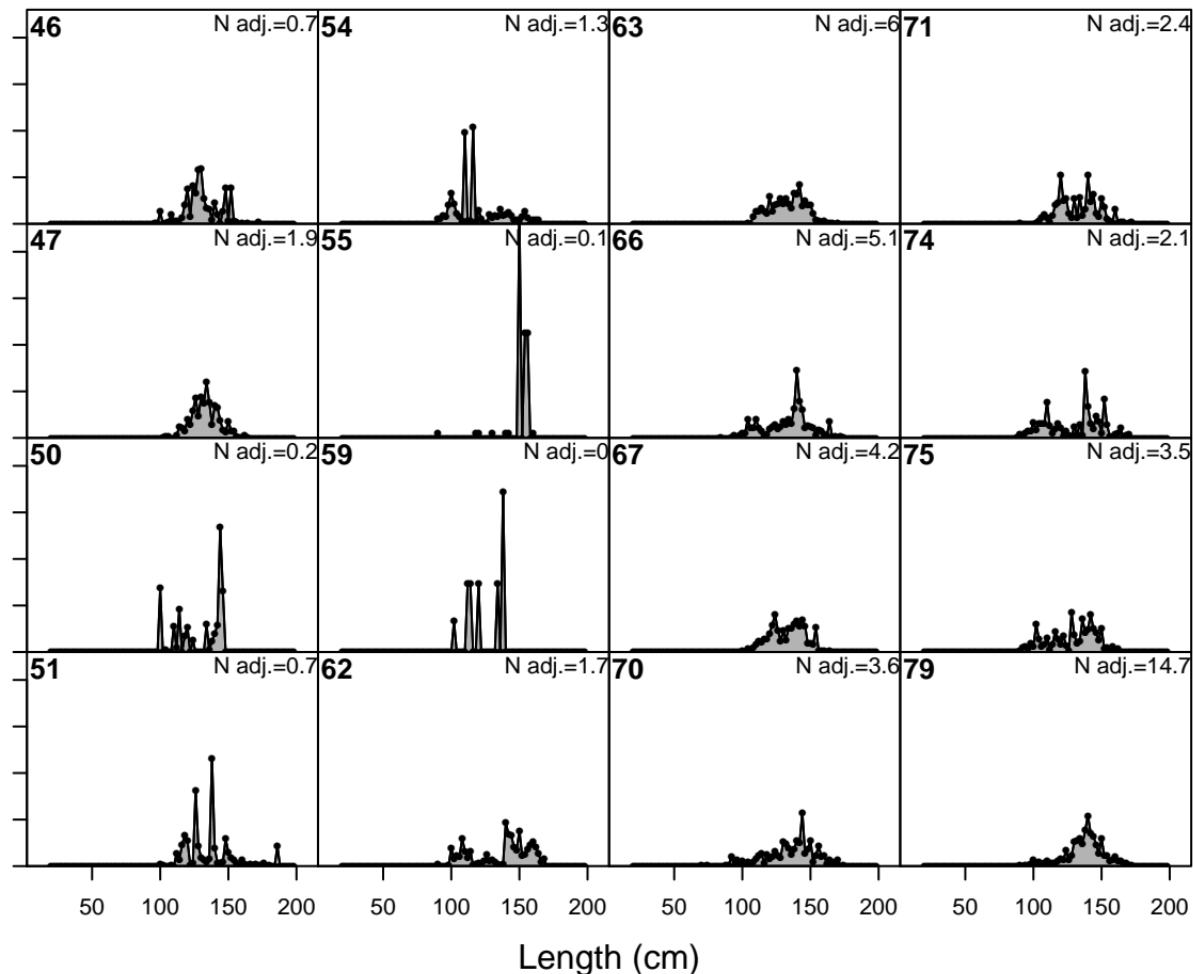
Length (cm)

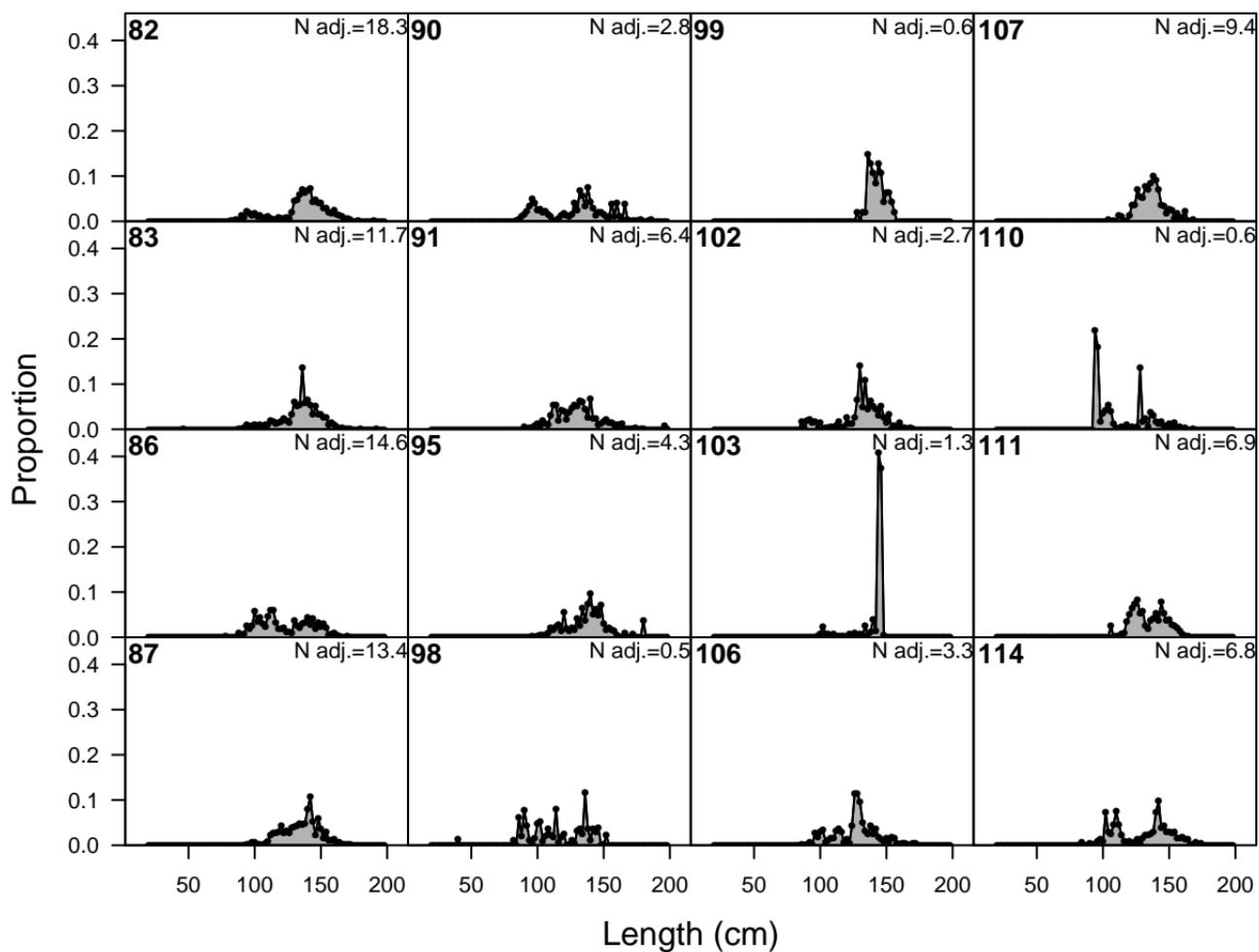


F32-LL_W_Q23n (whole catch)

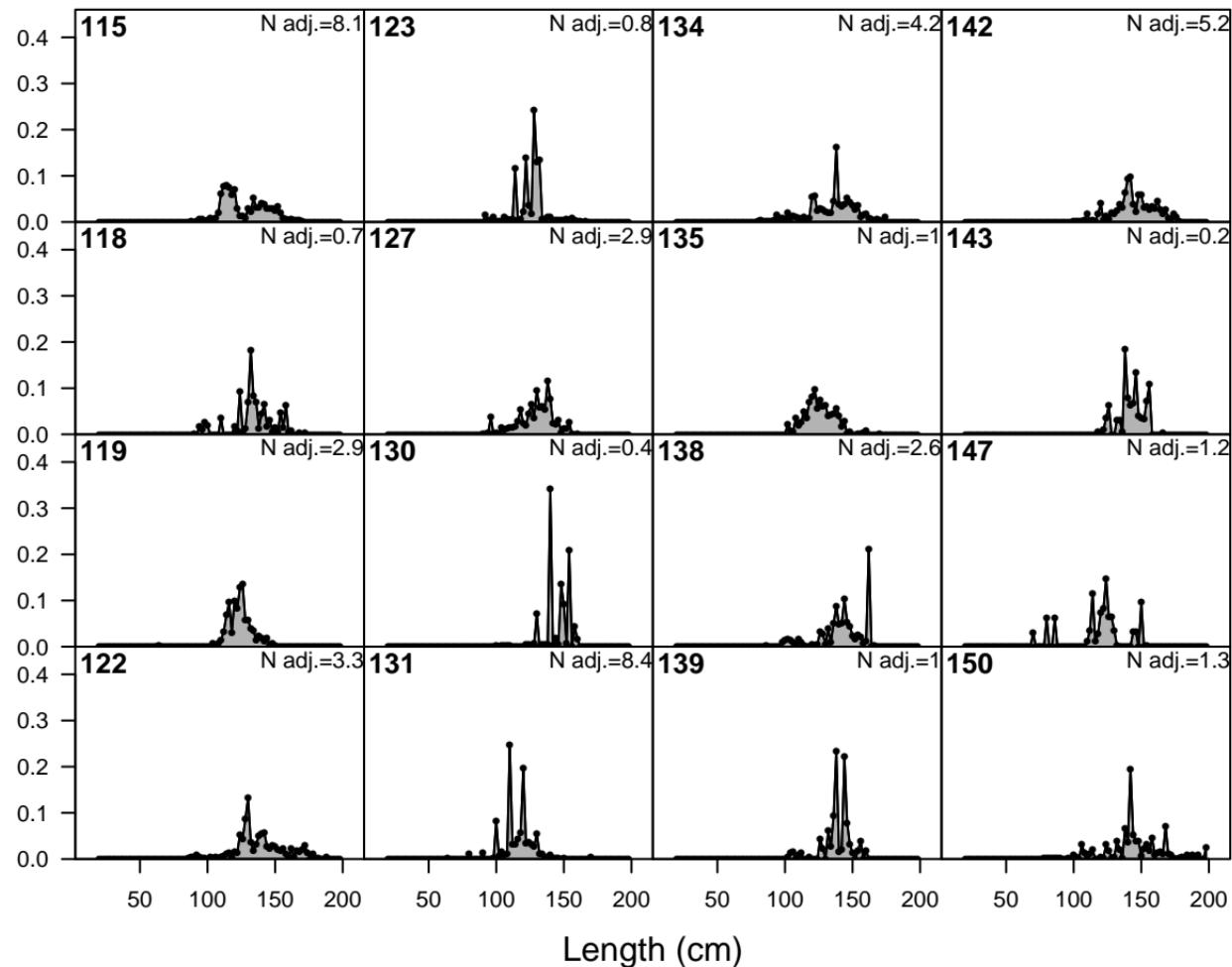


Proportion

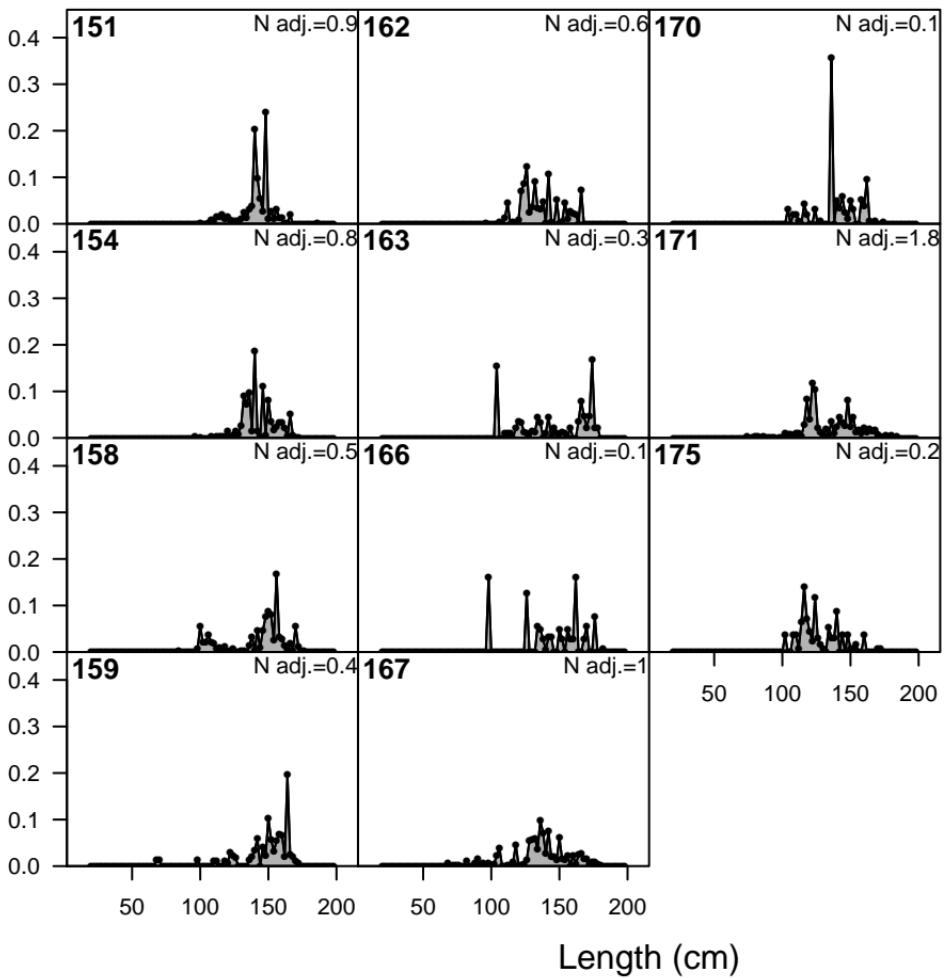


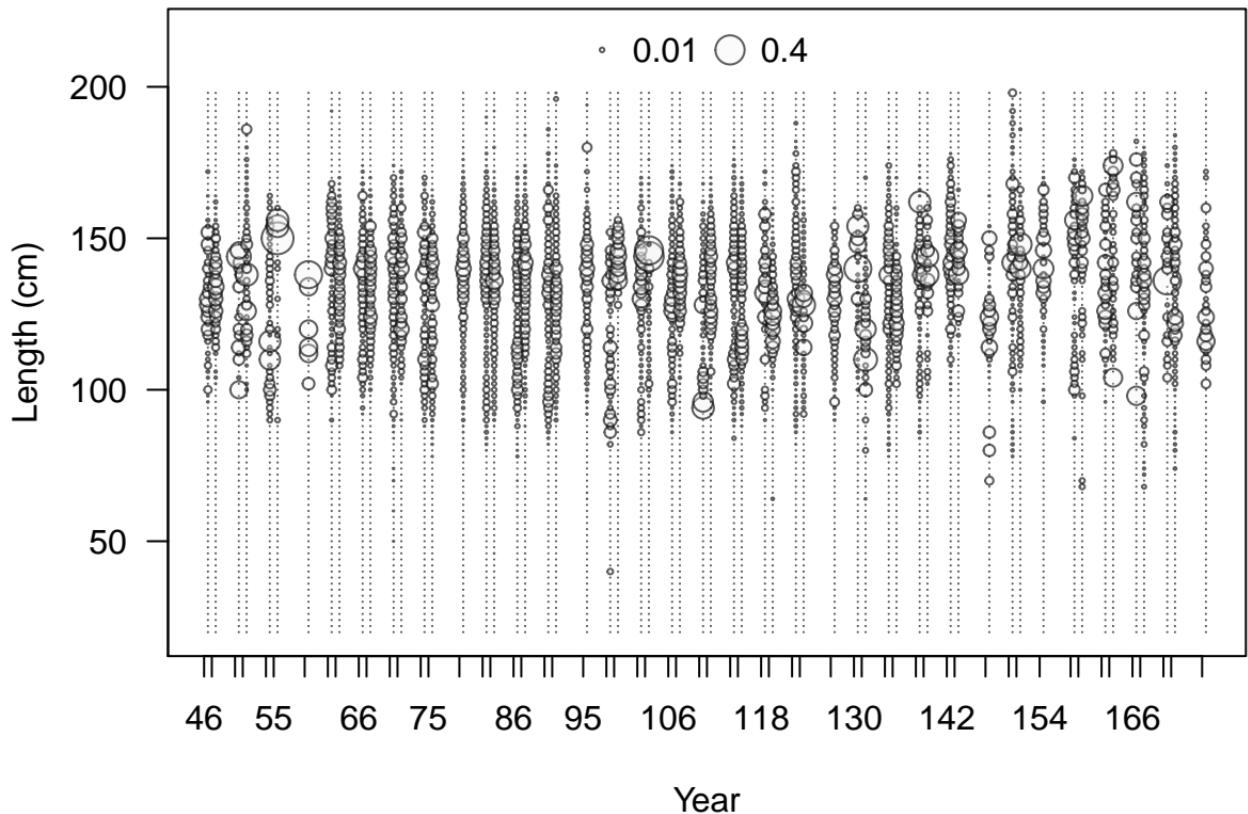


Proportion

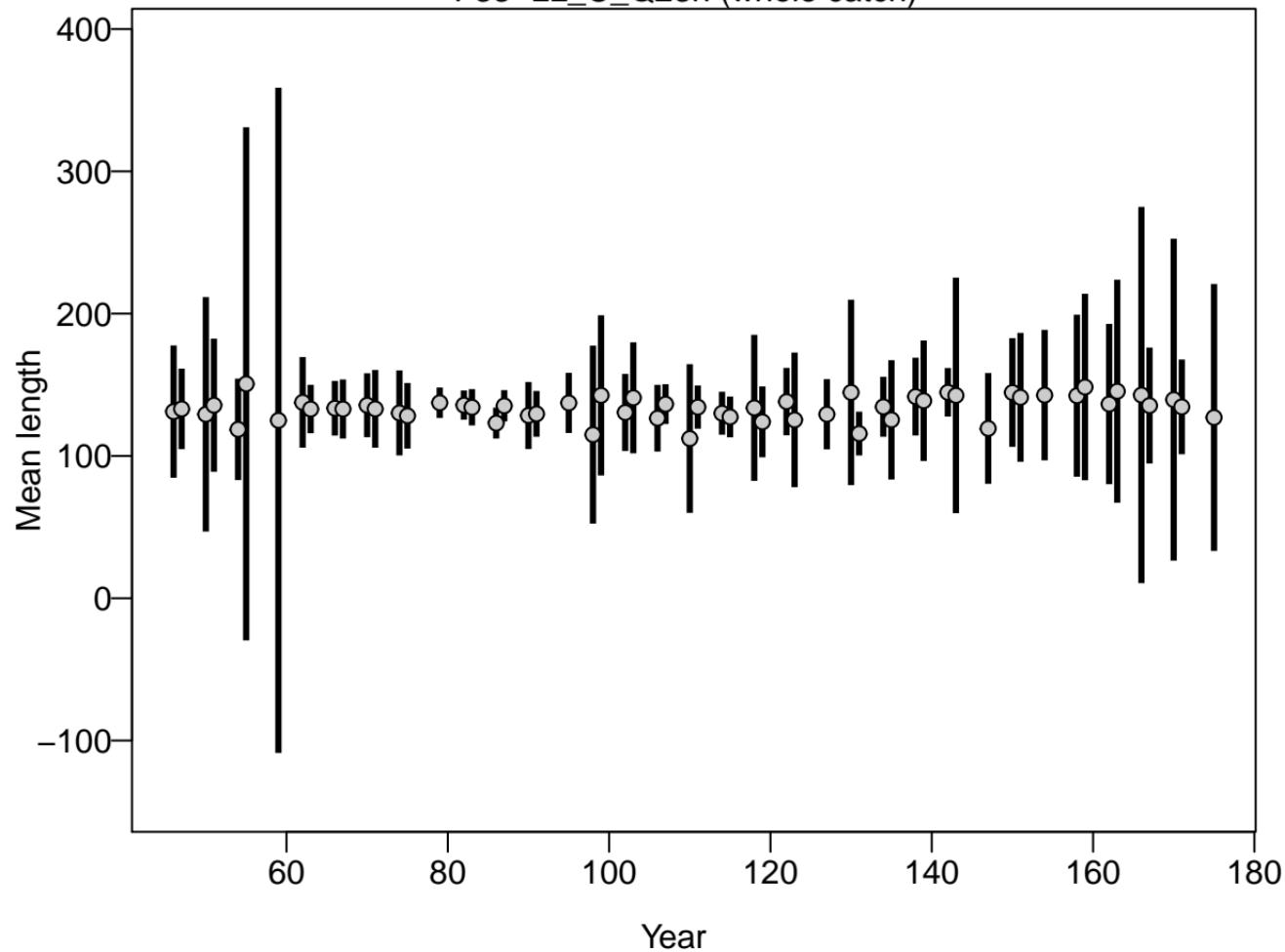


Proportion

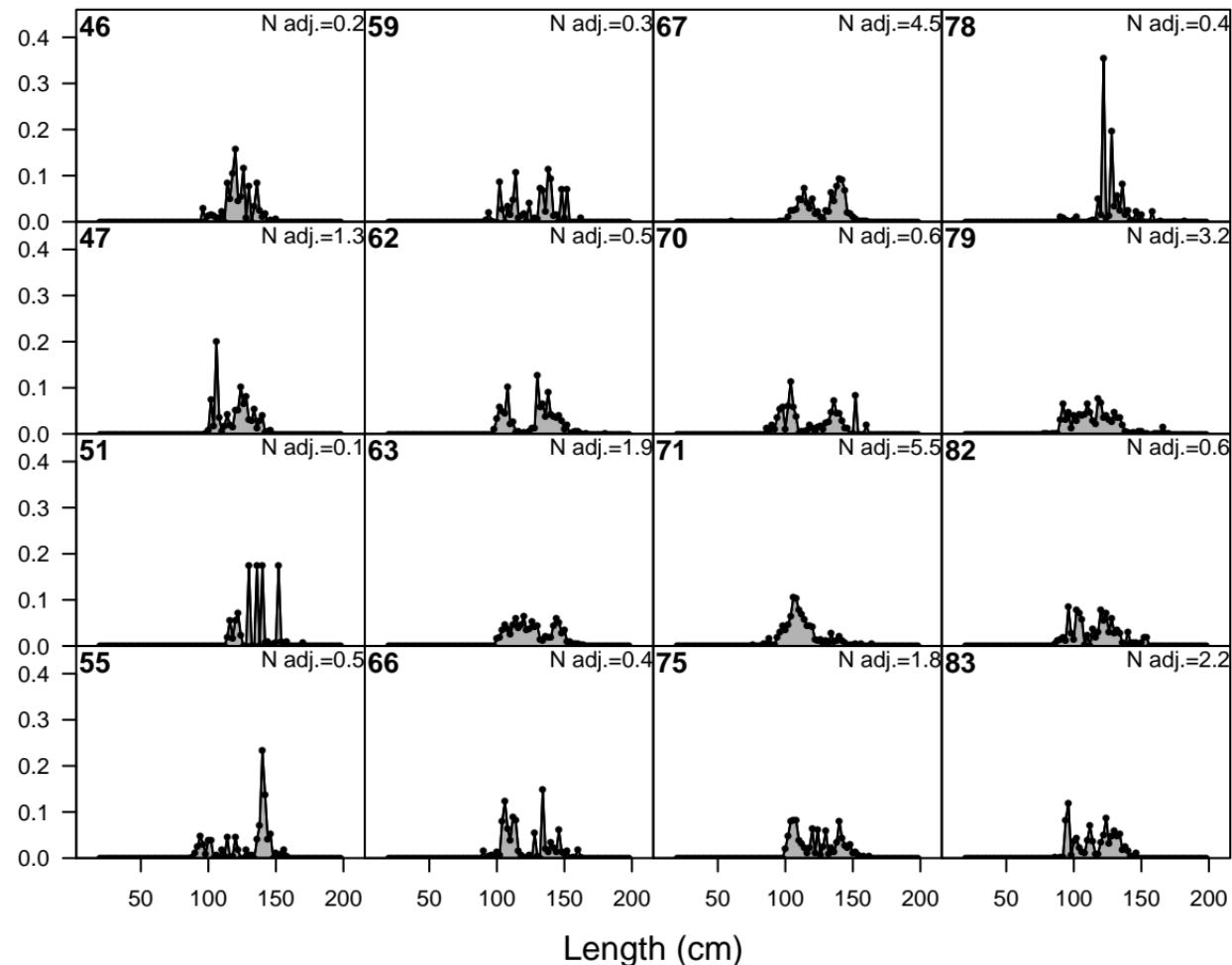




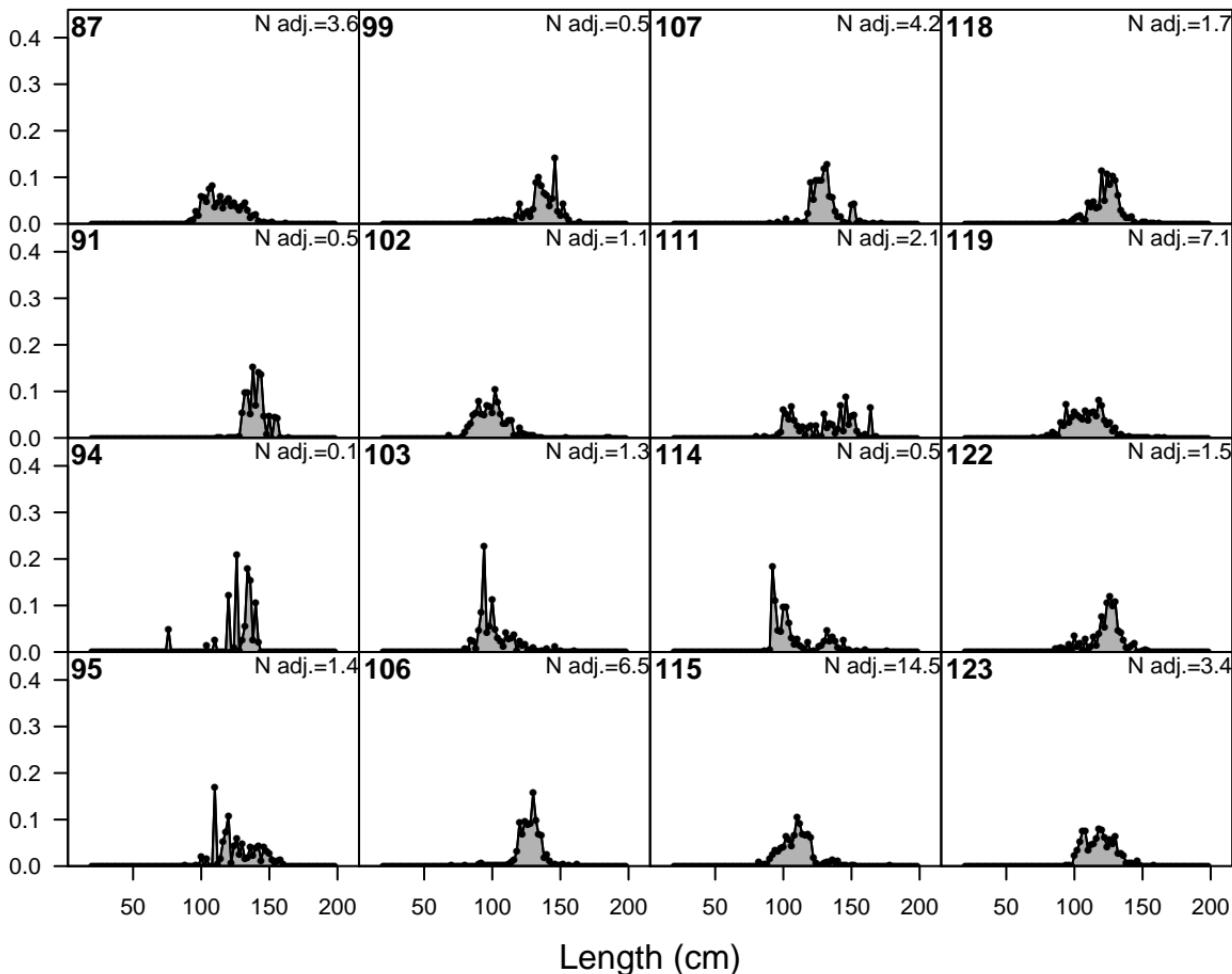
F33-LL_C_Q23n (whole catch)

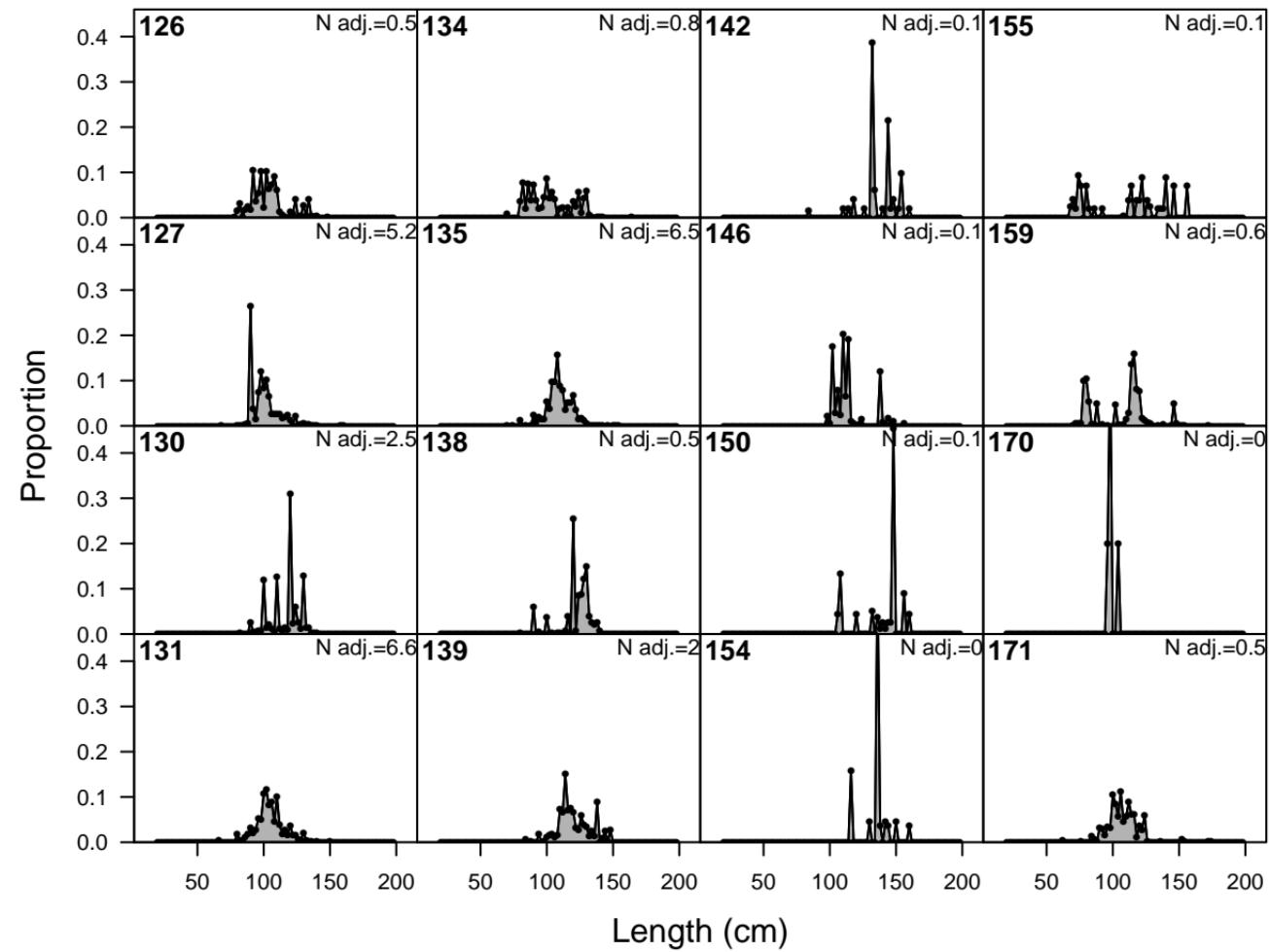


Proportion

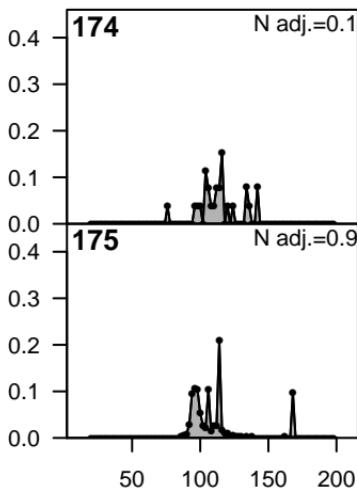


Proportion

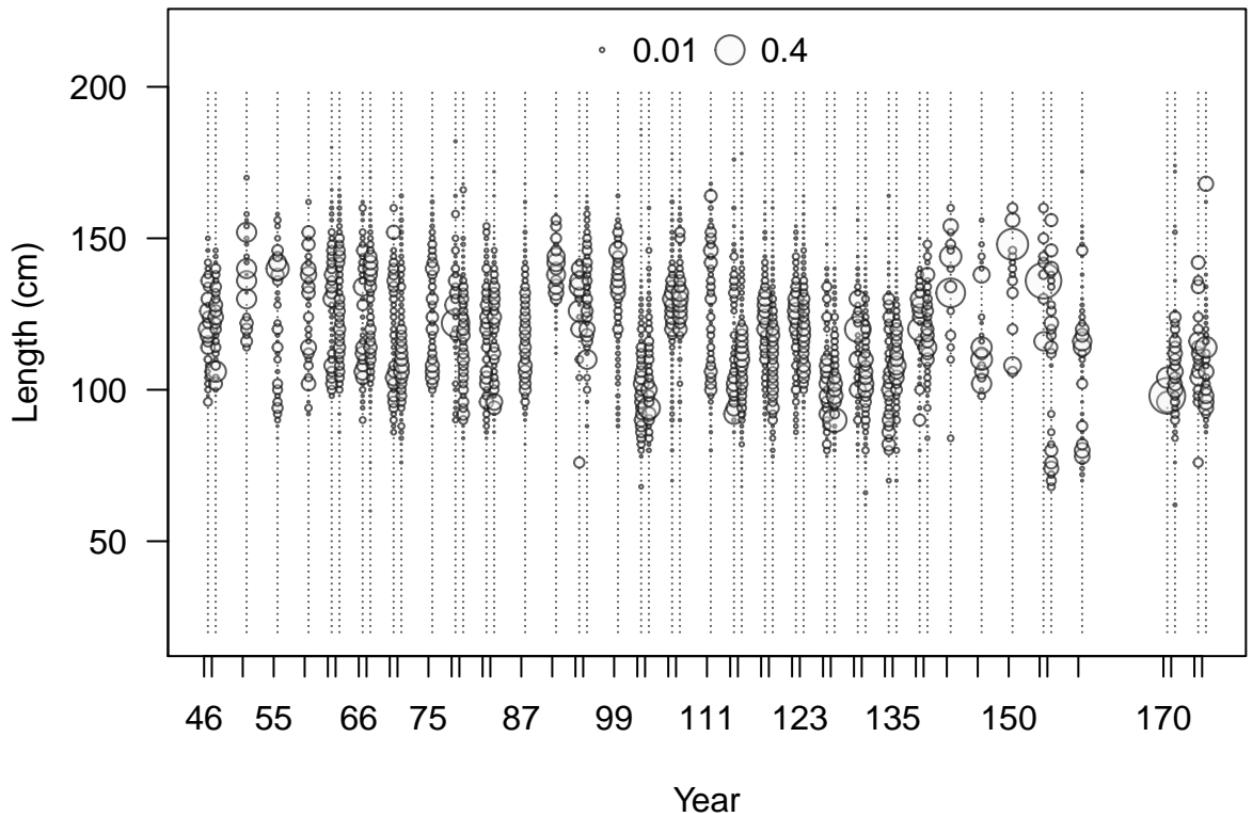




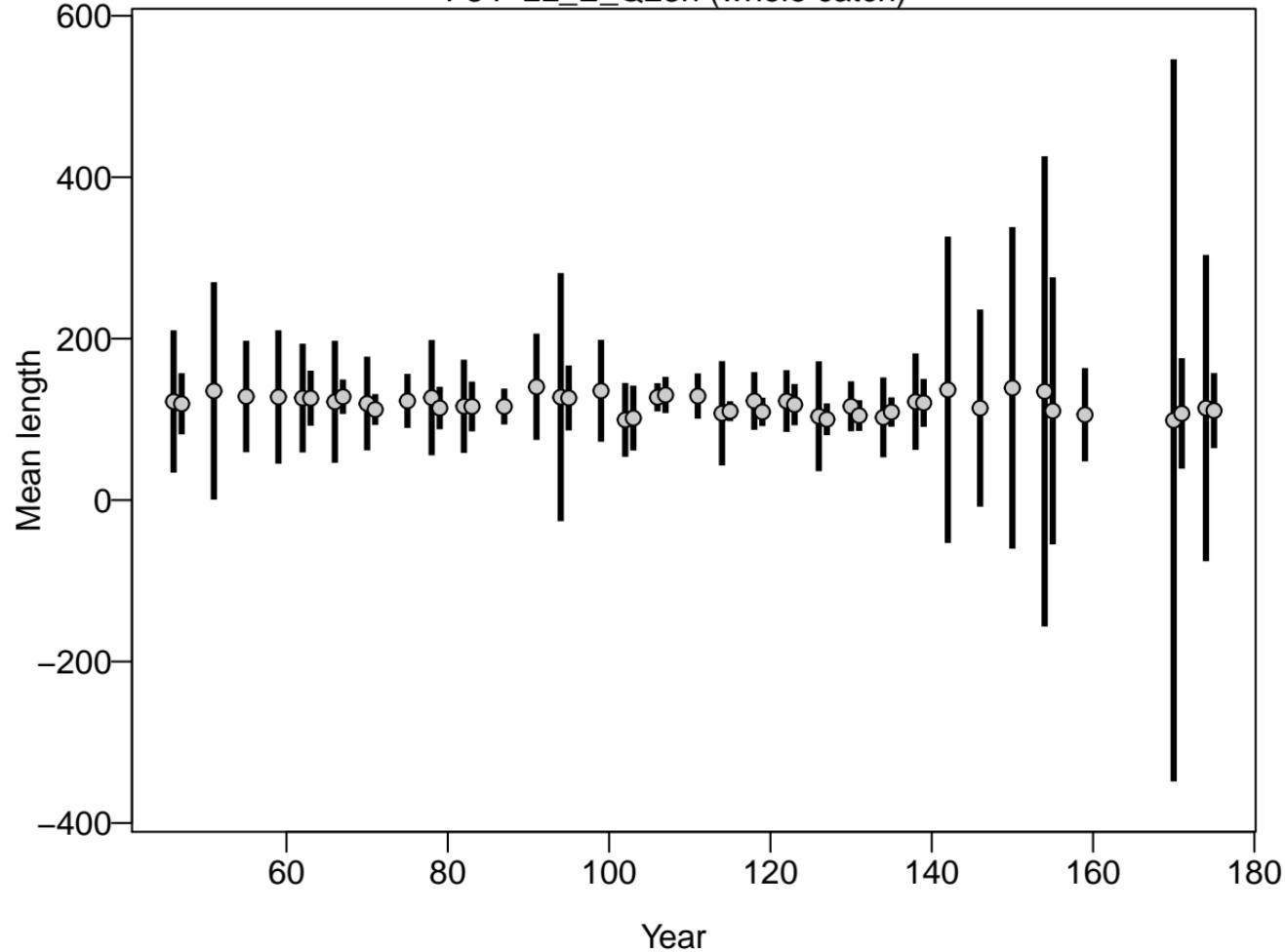
Proportion



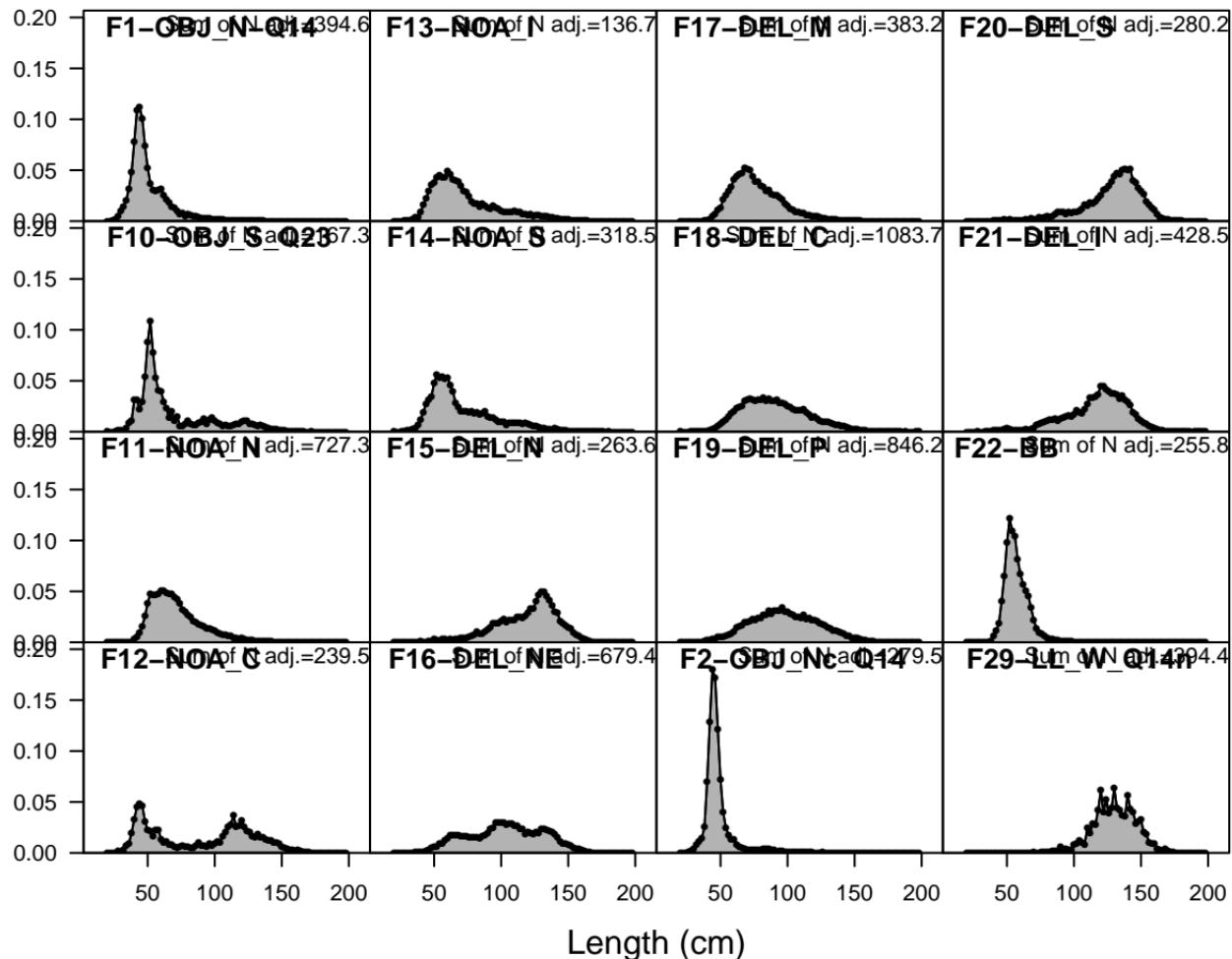
Length (cm)

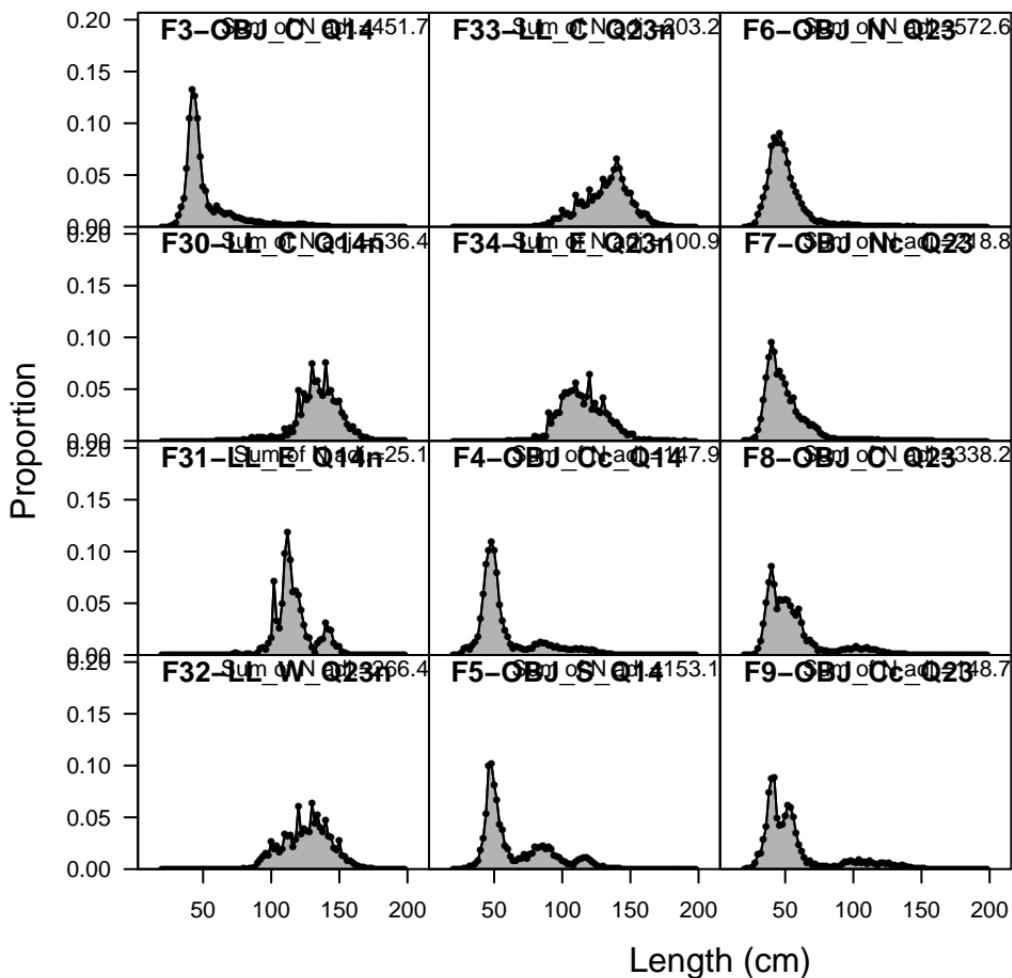


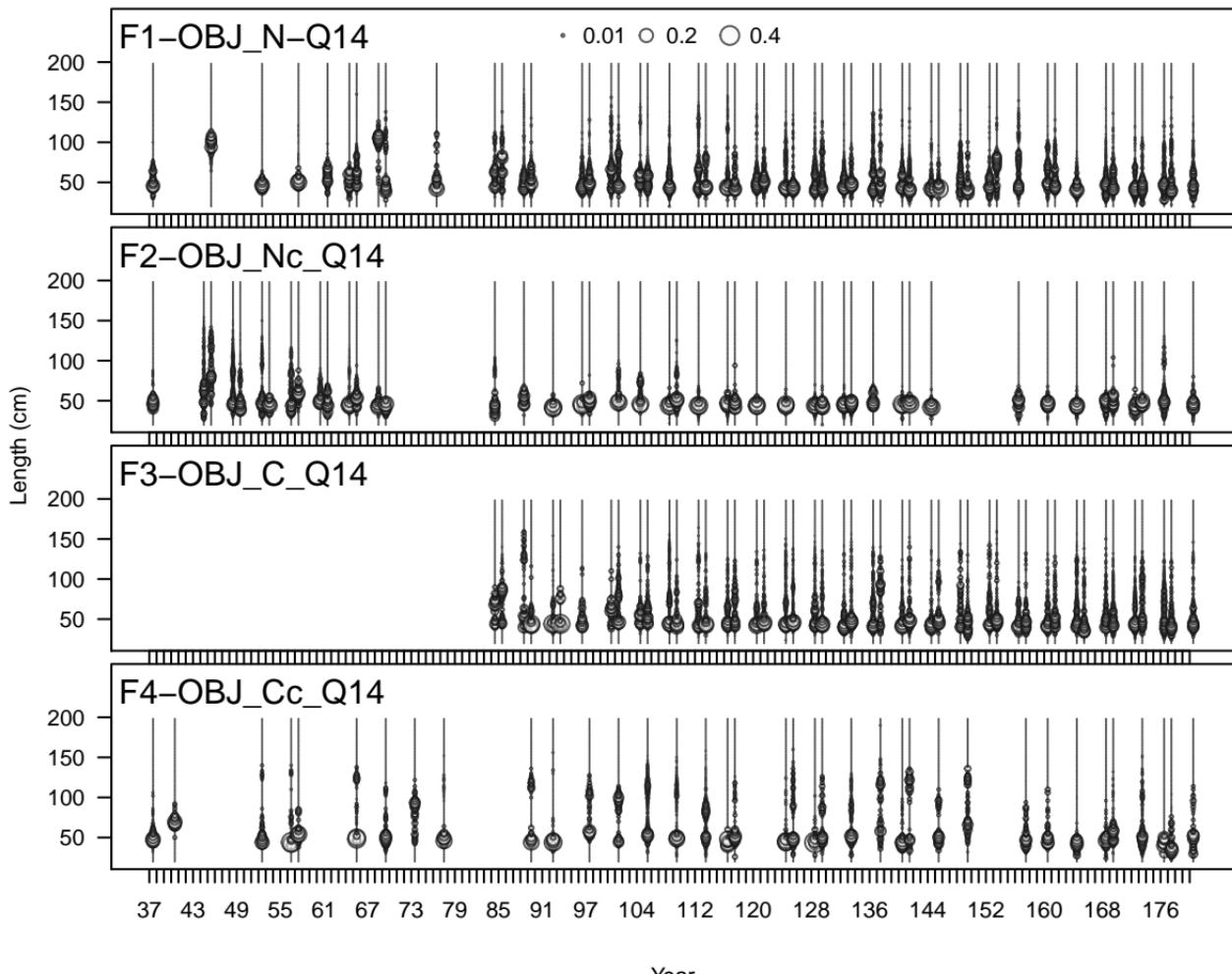
F34-LL_E_Q23n (whole catch)

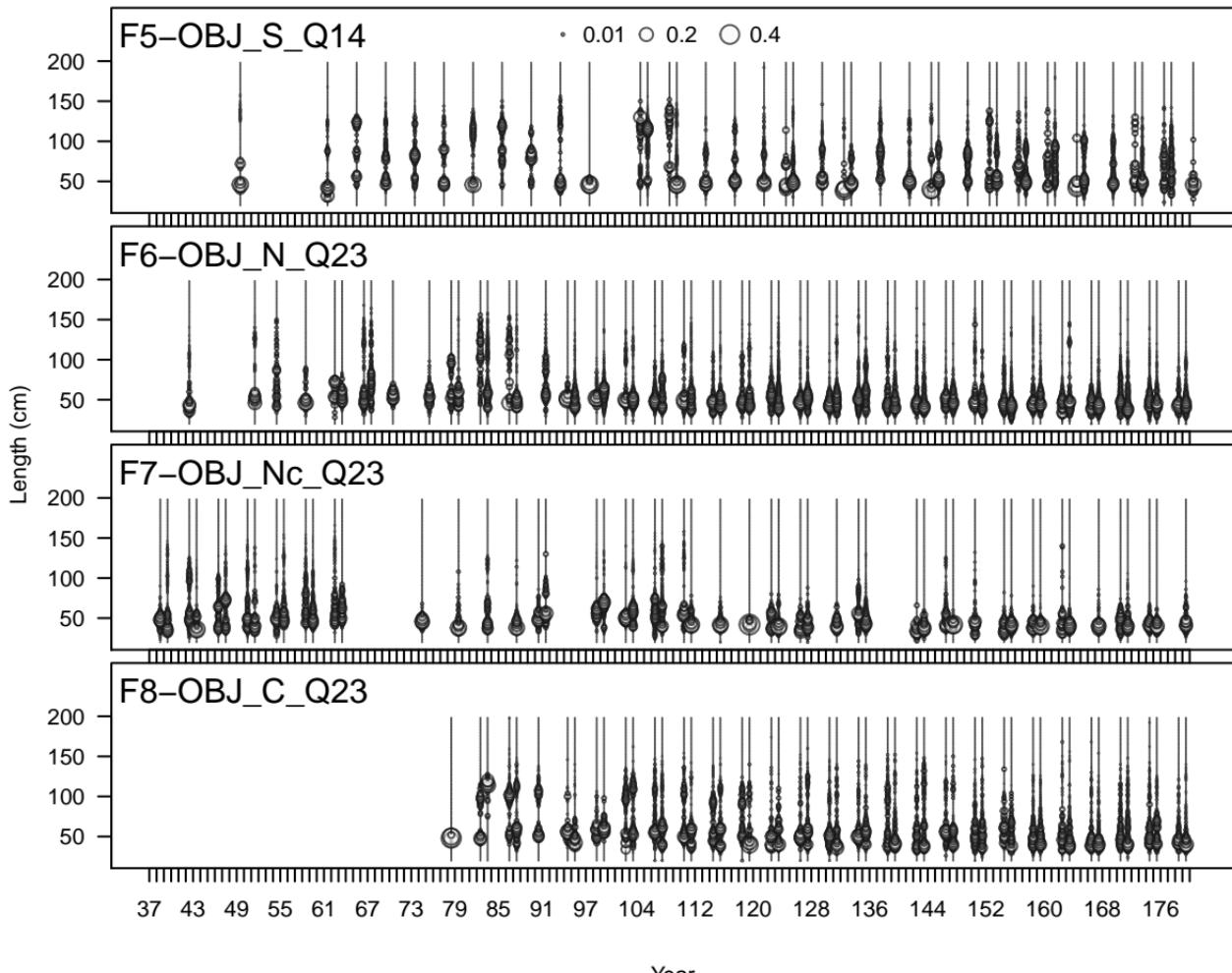


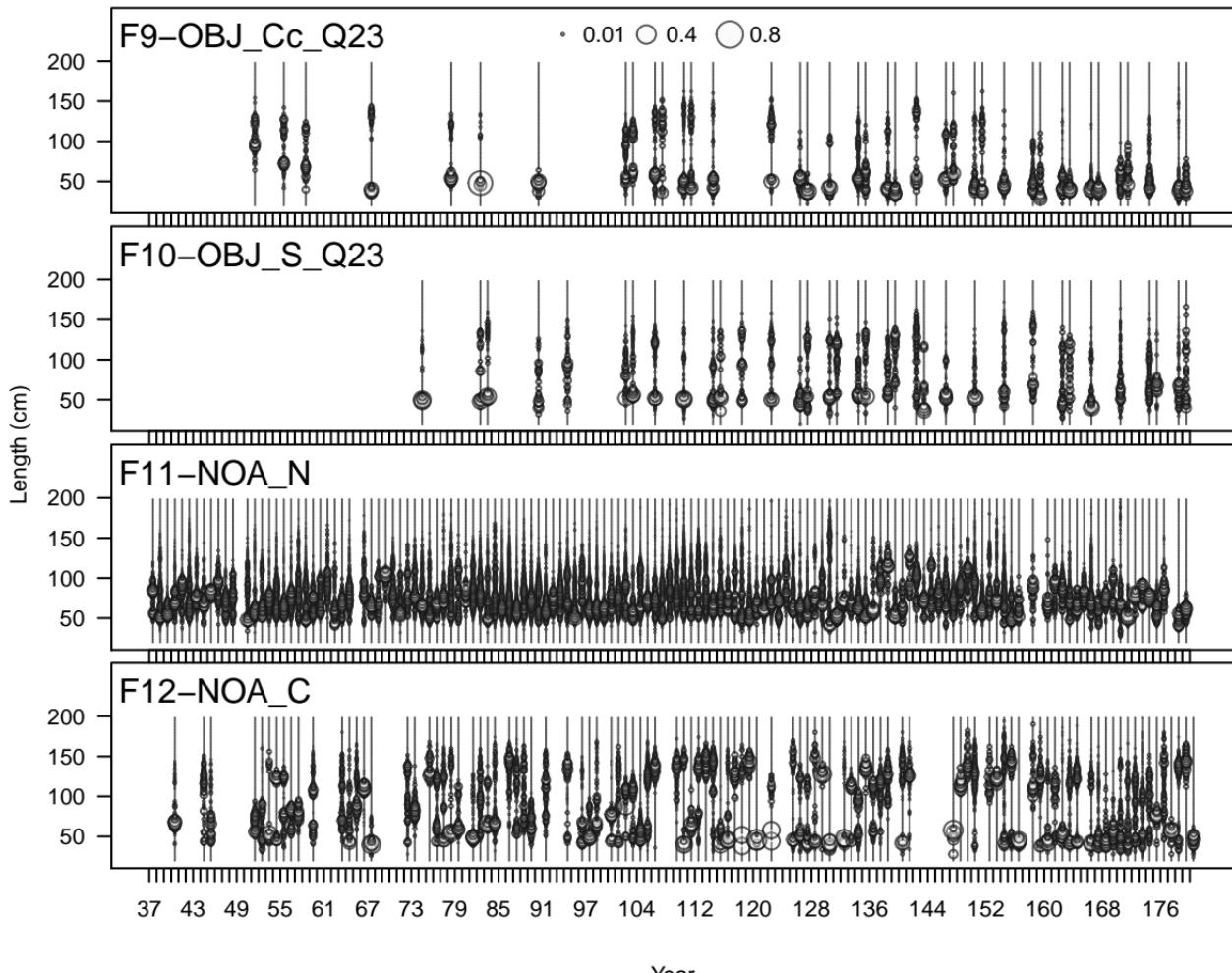
Proportion

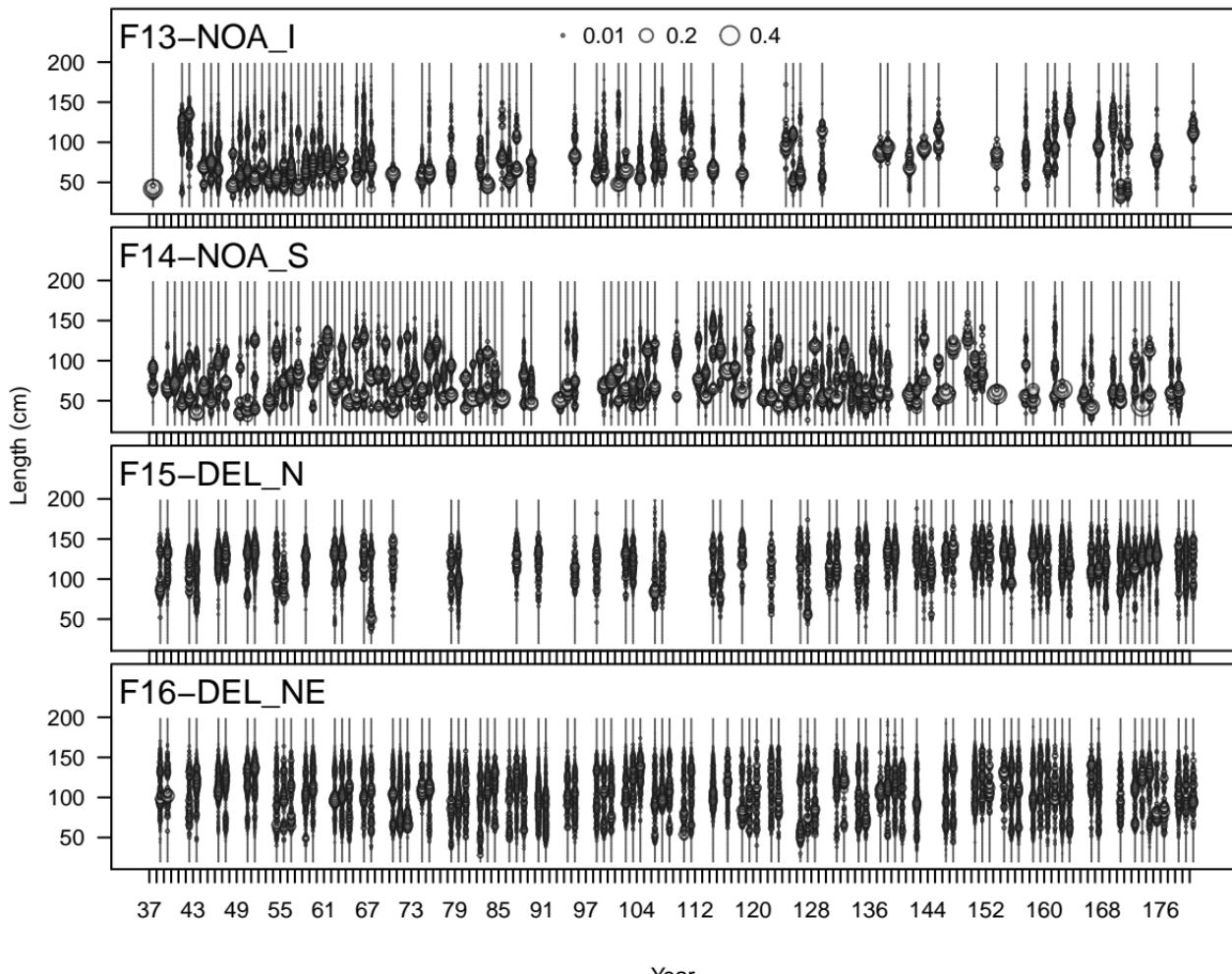


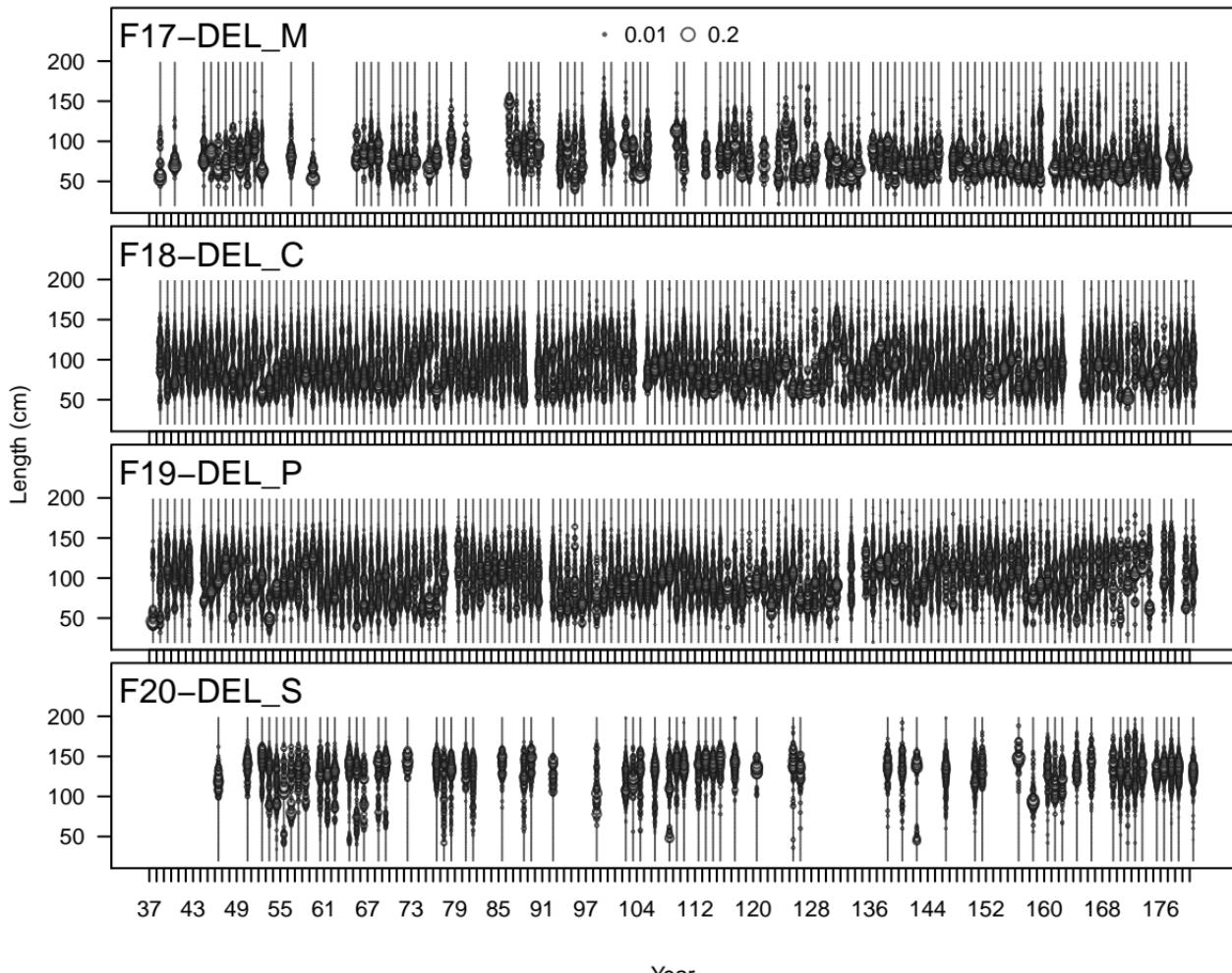


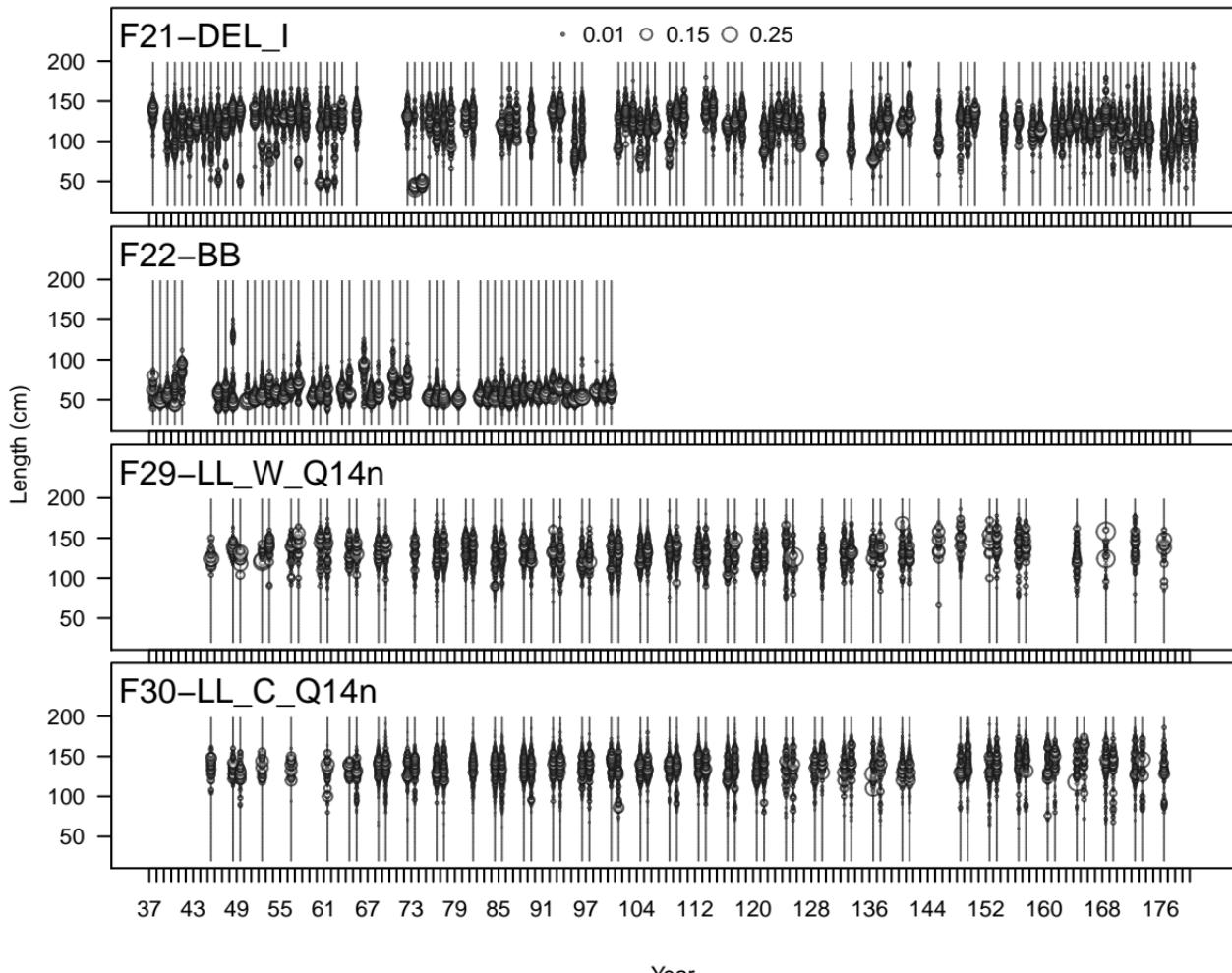


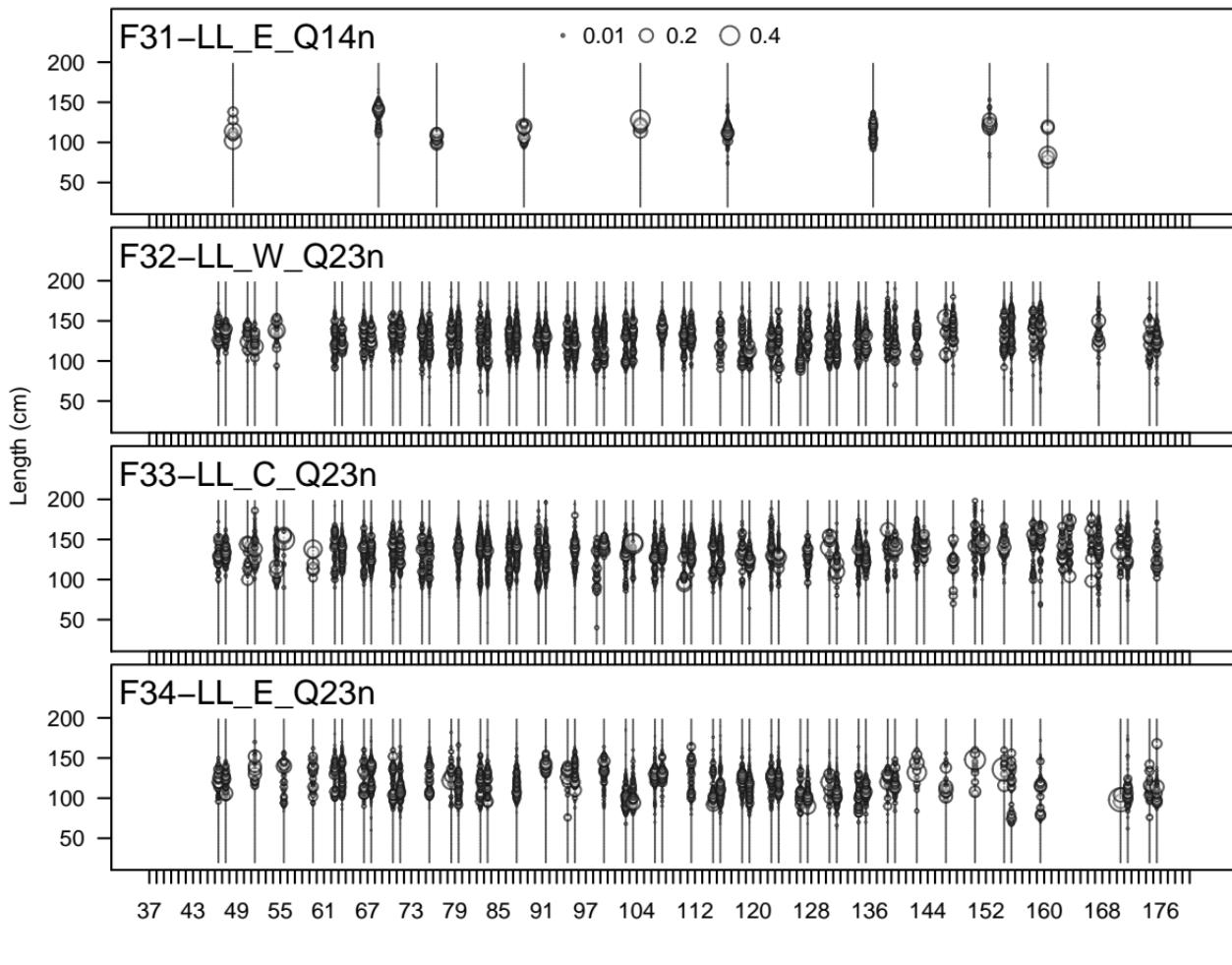




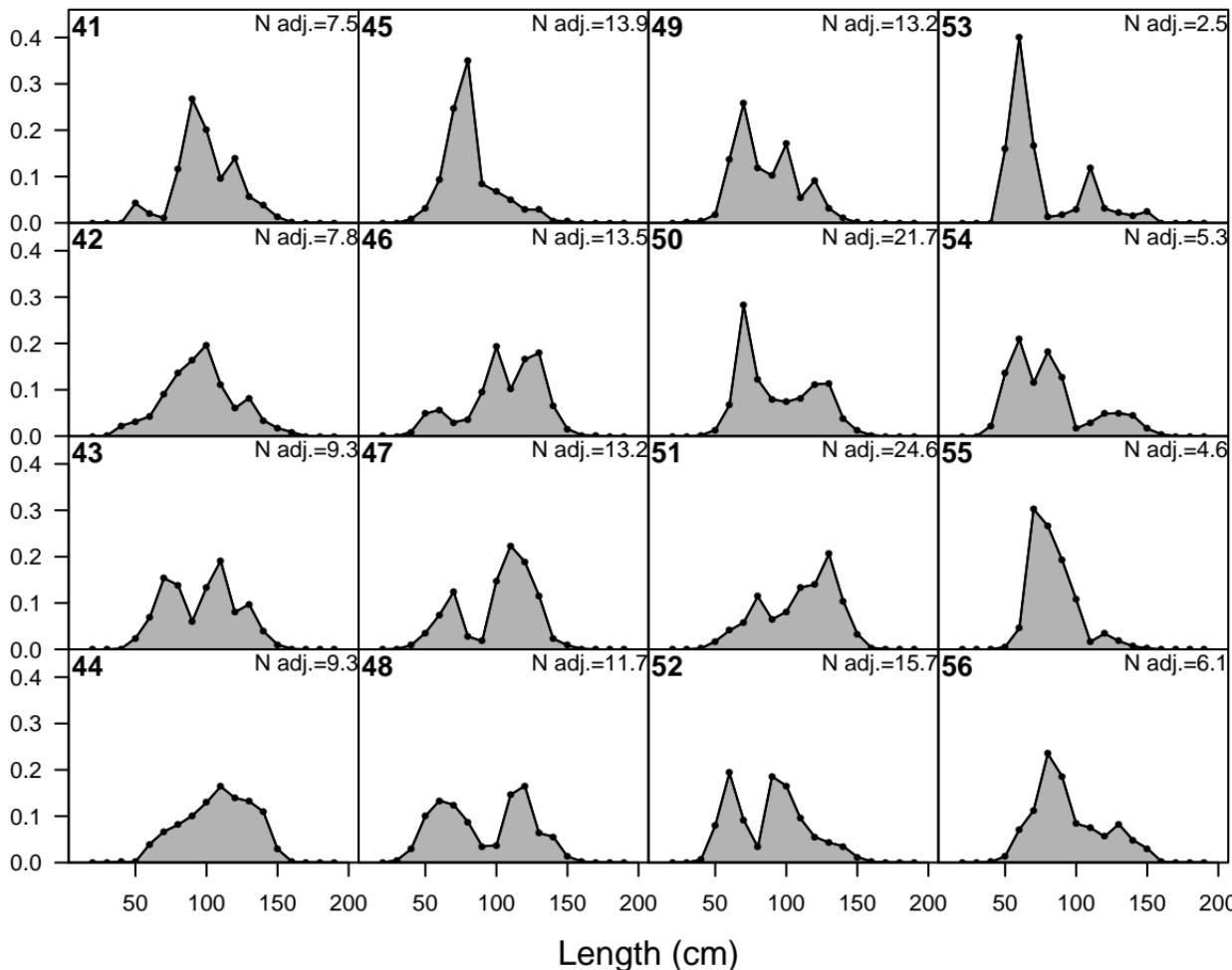




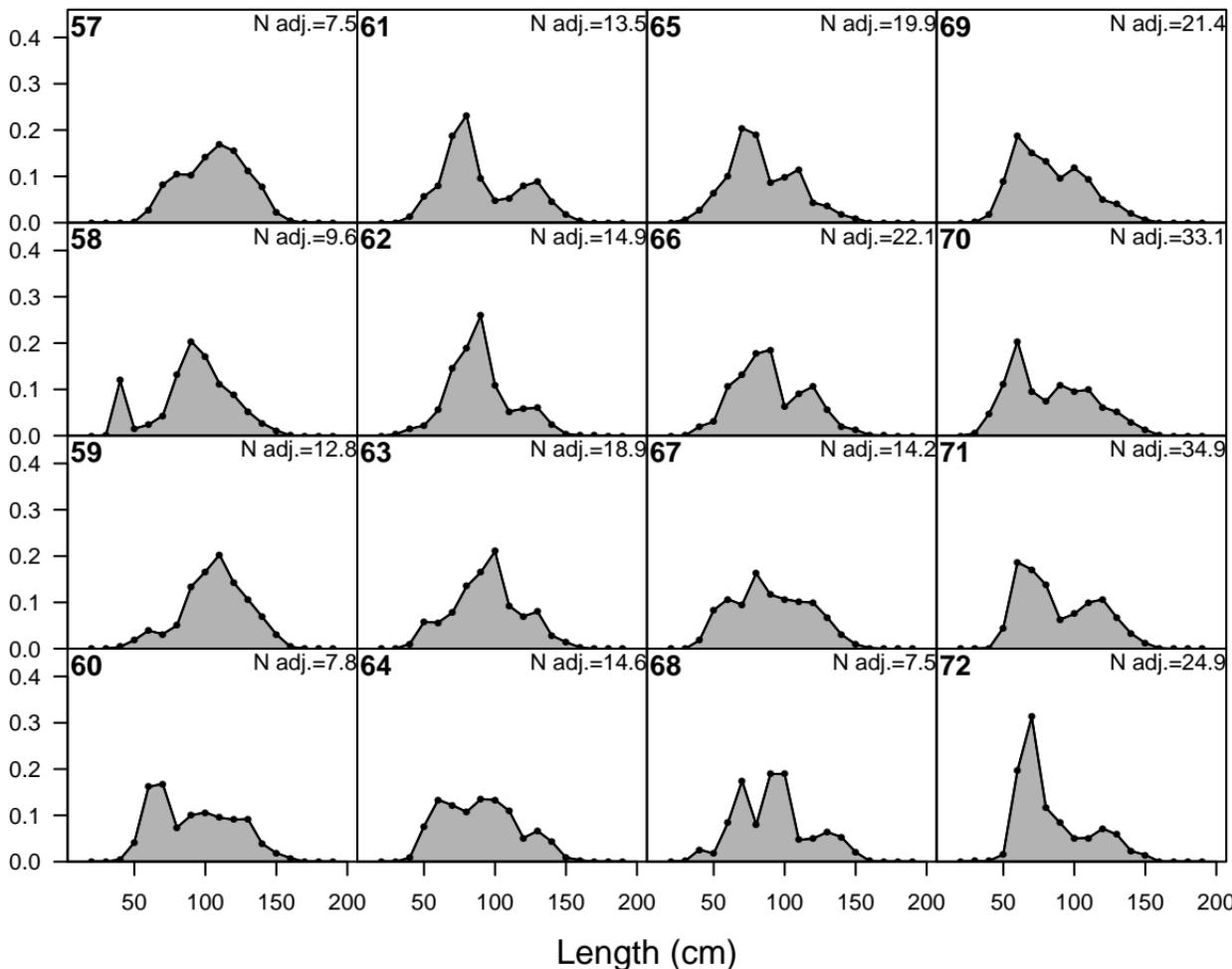




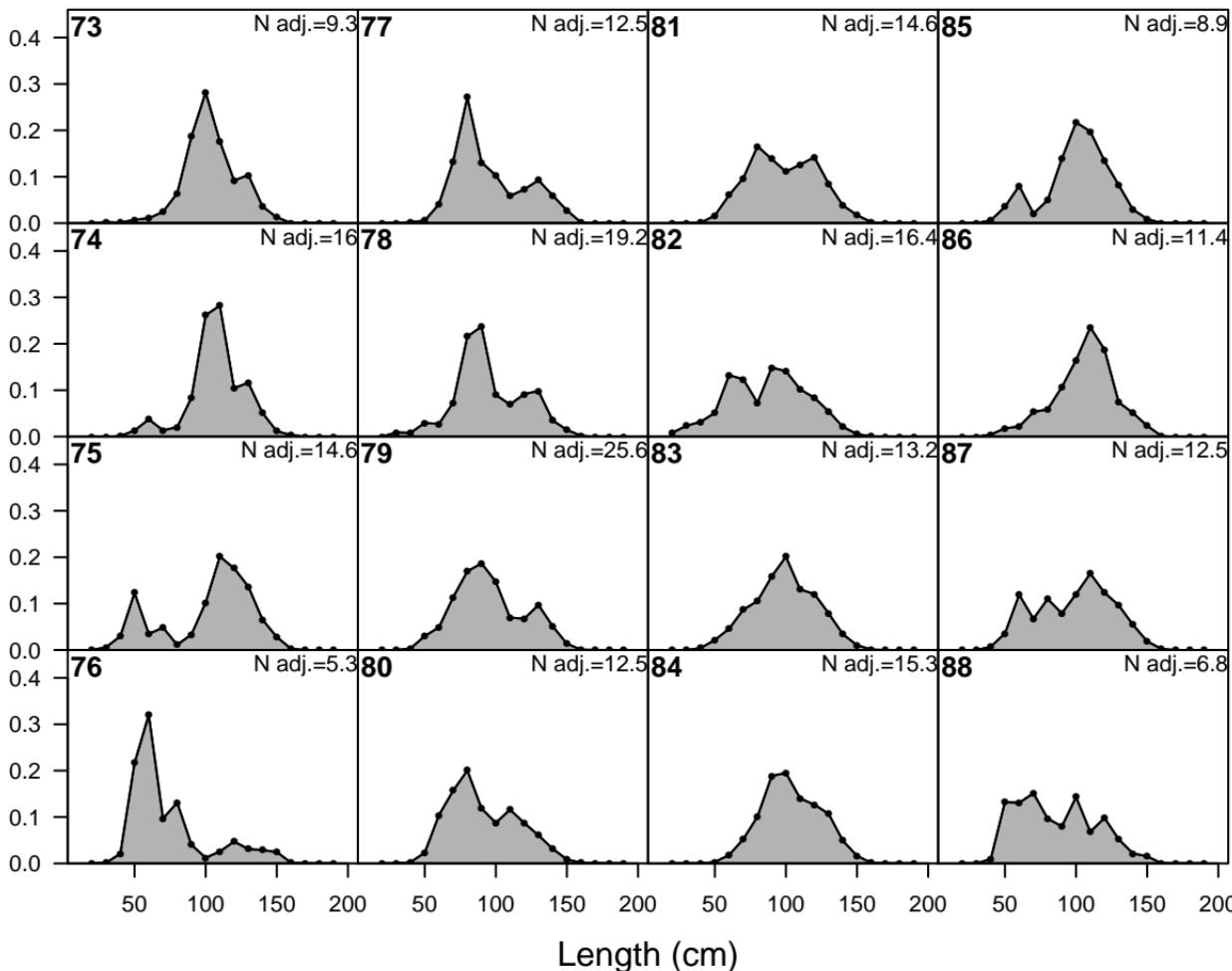
Proportion



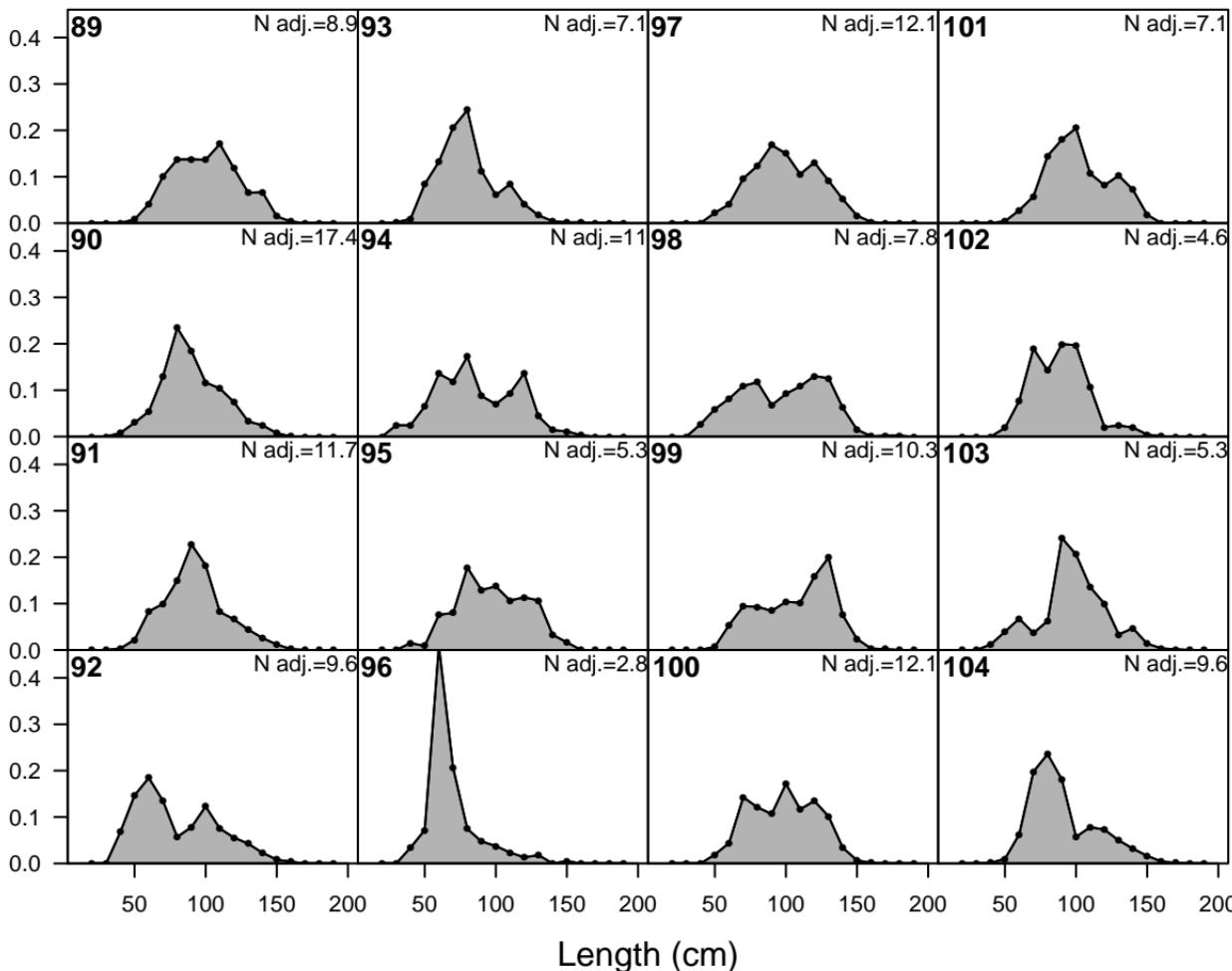
Proportion



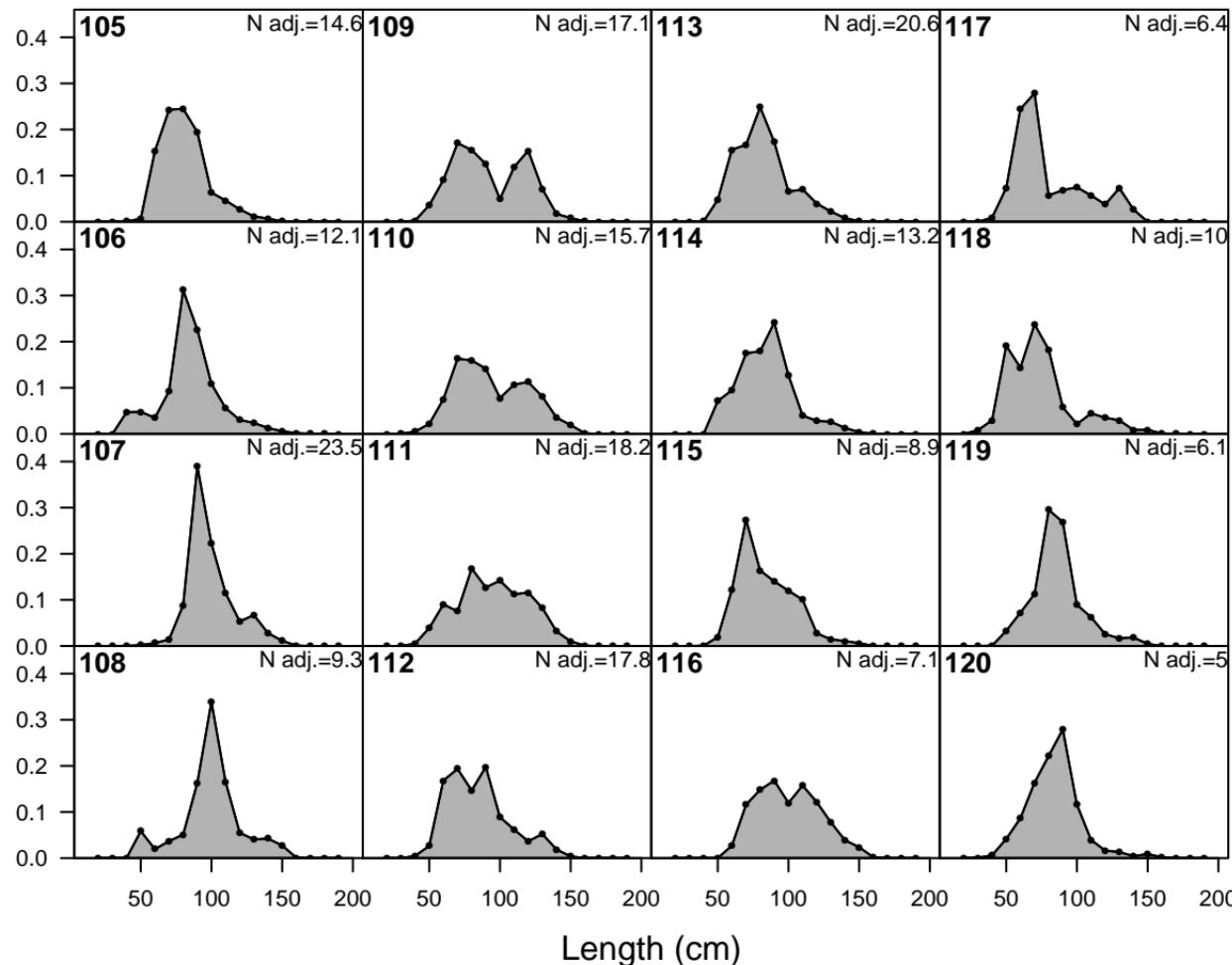
Proportion



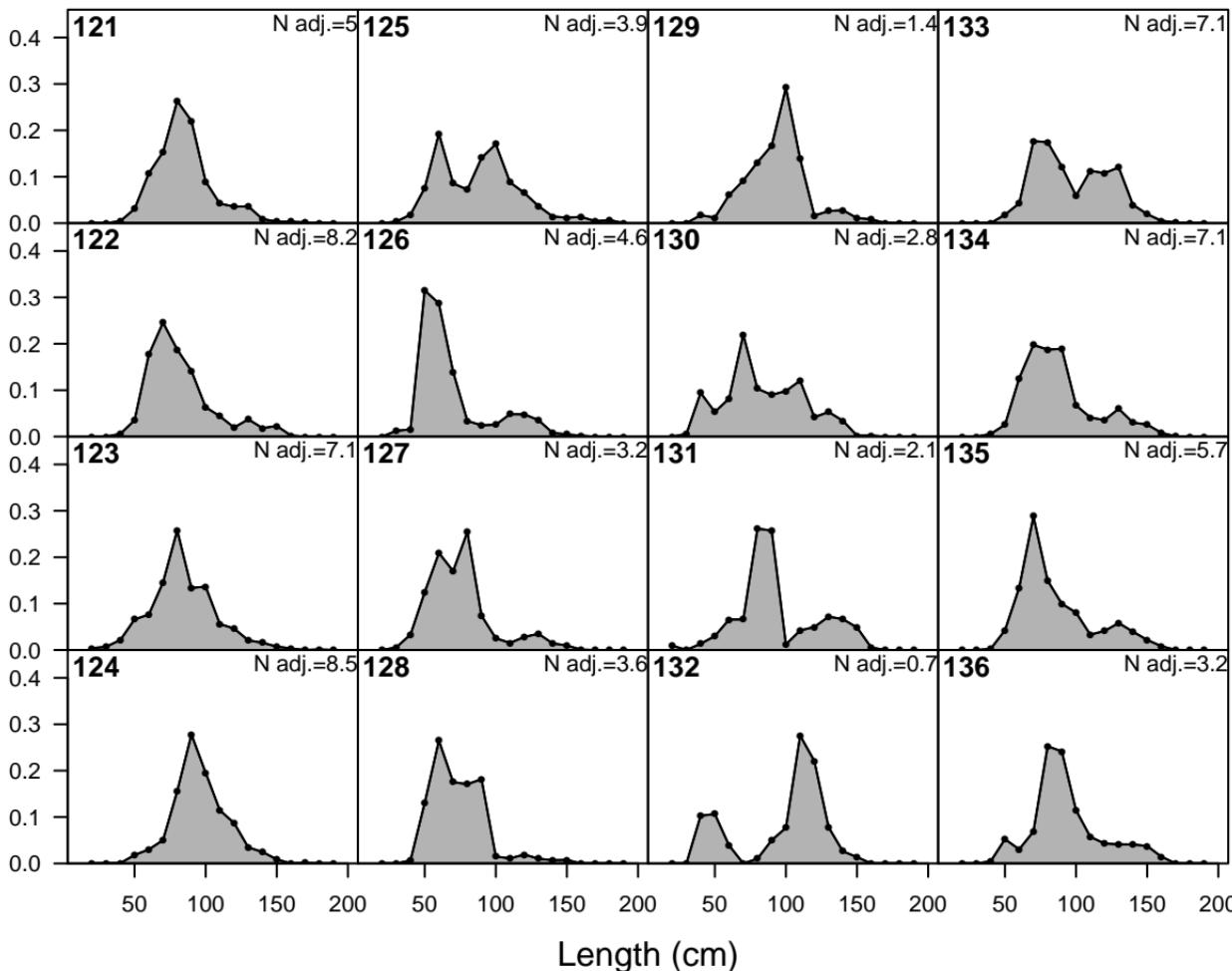
Proportion



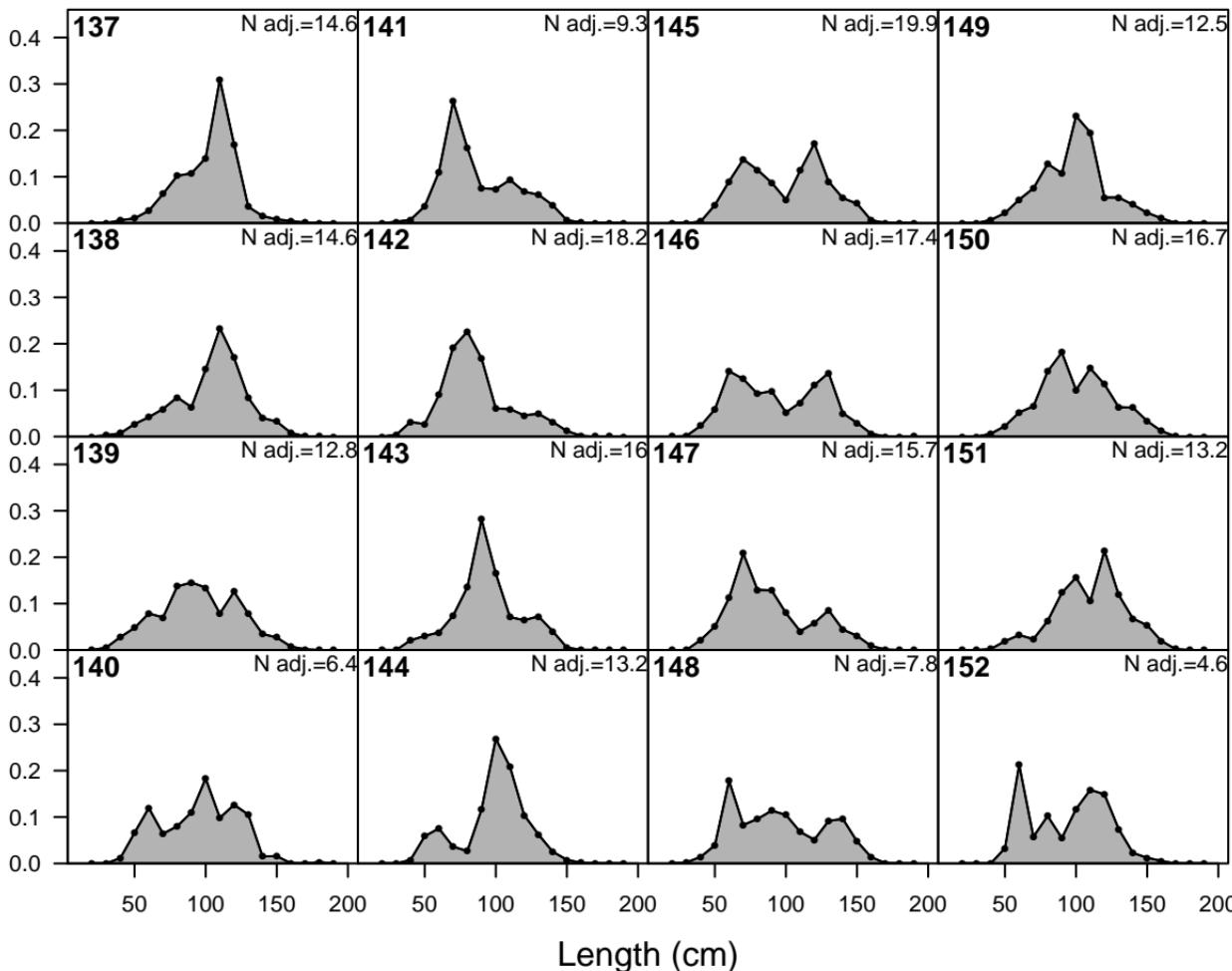
Proportion



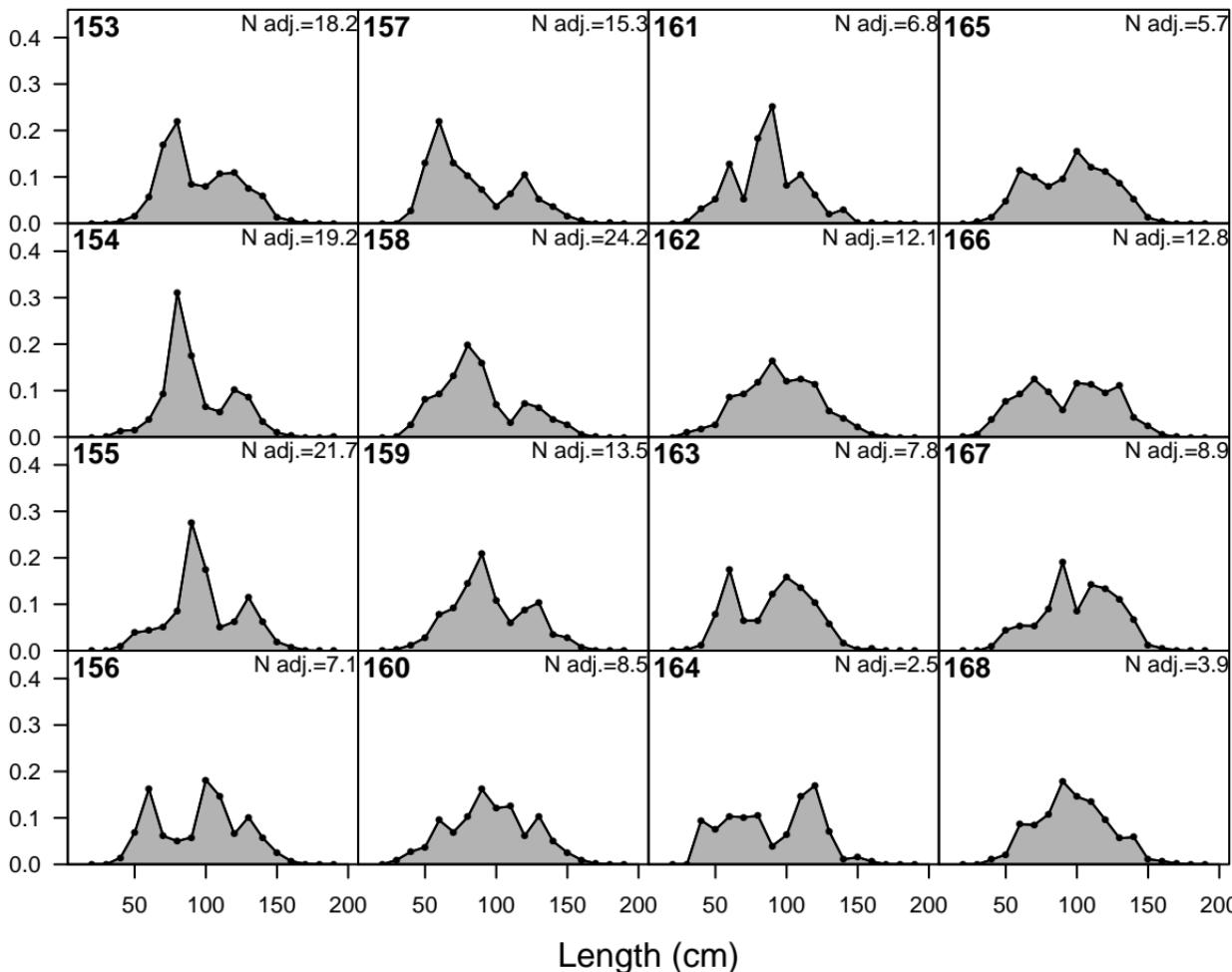
Proportion



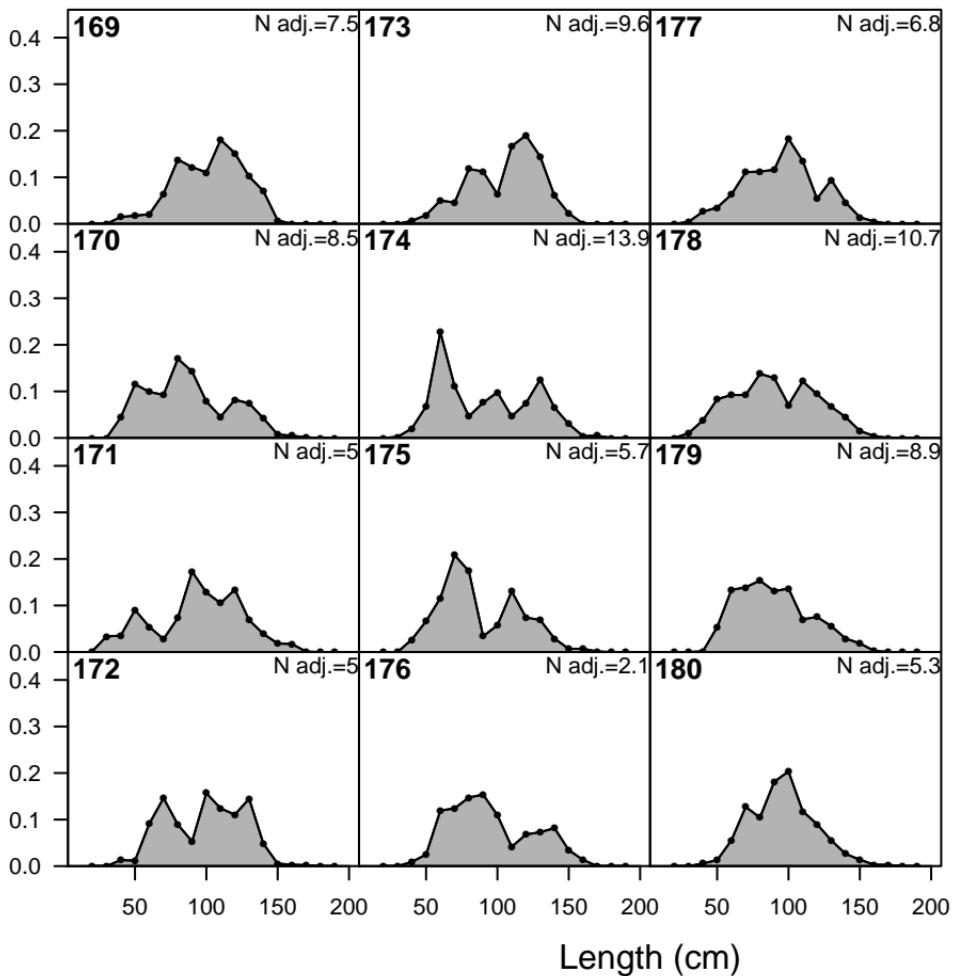
Proportion

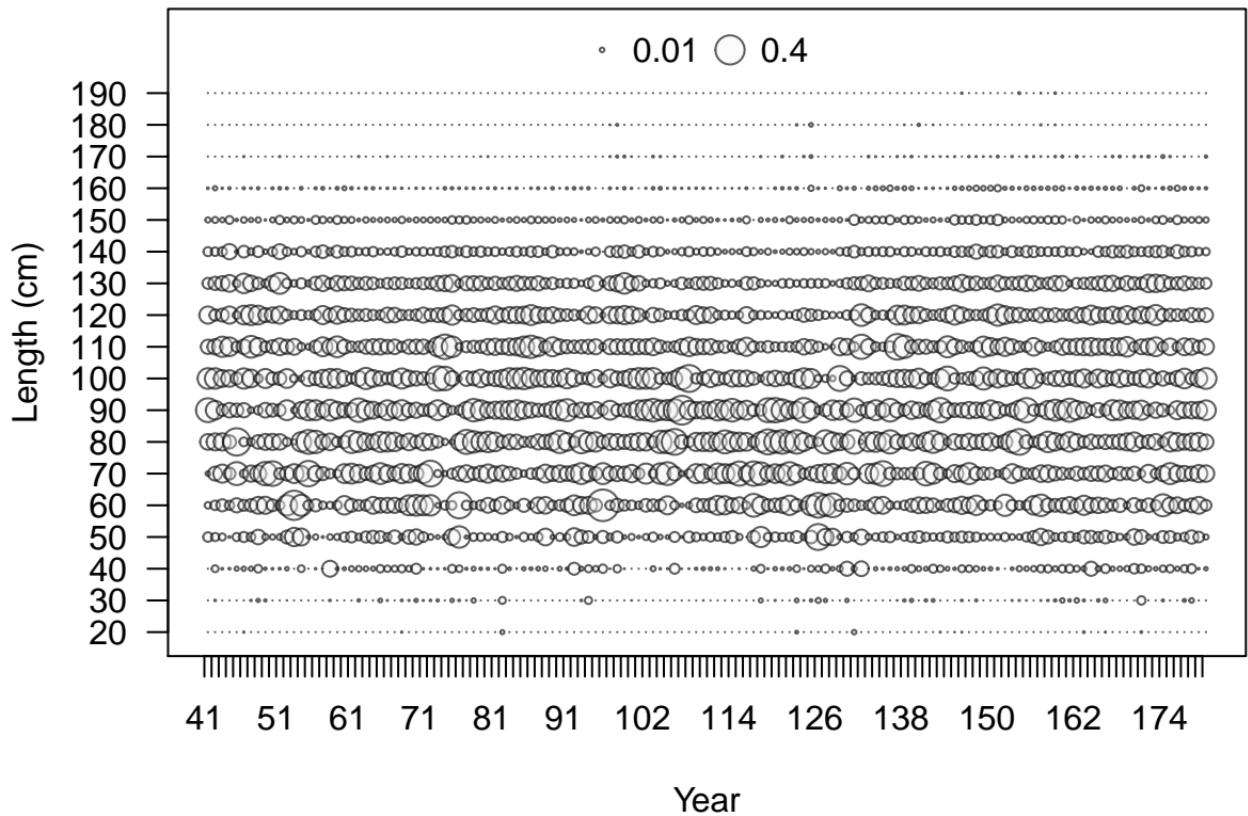


Proportion

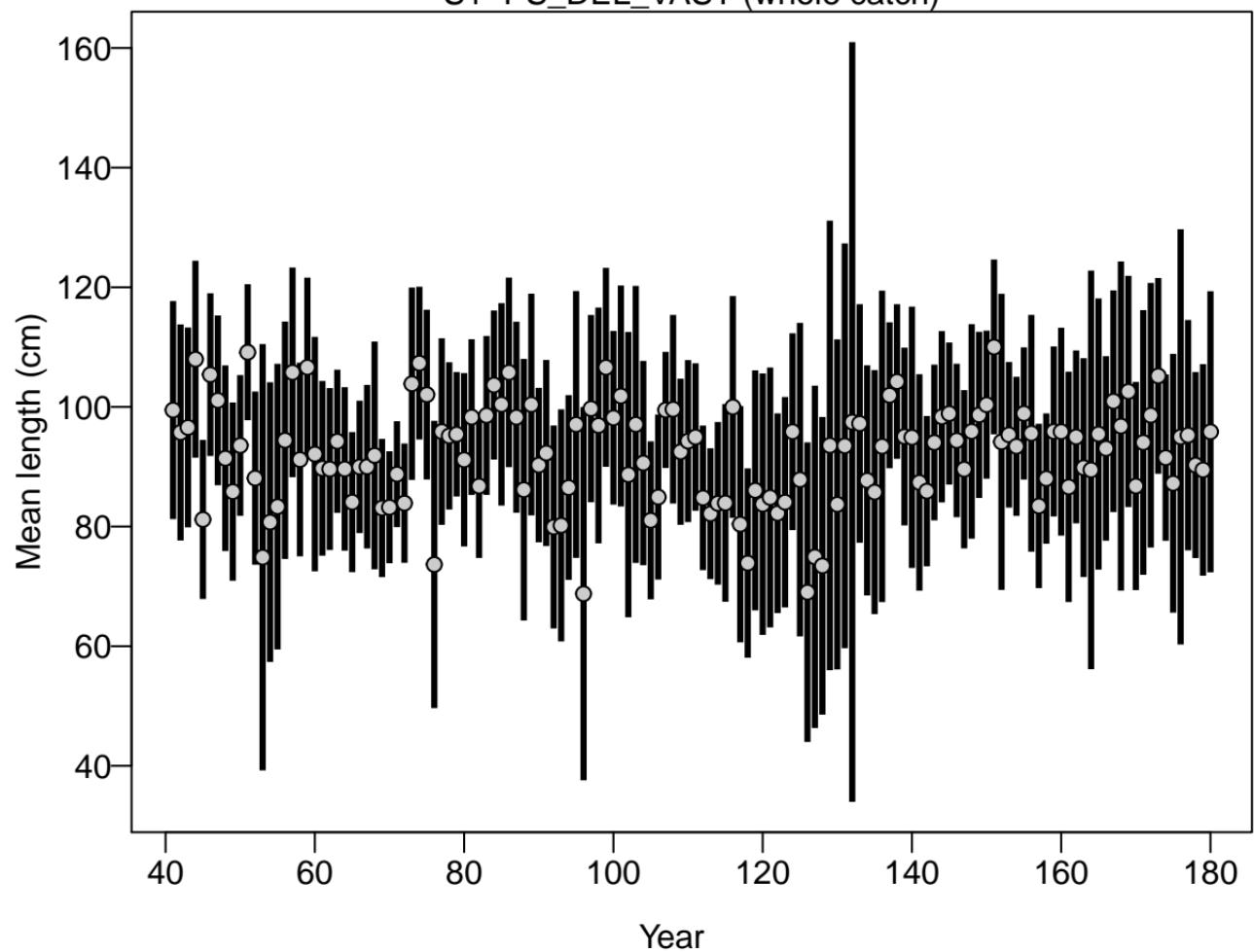


Proportion





S1-PS_DEL_VAST (whole catch)



S1-PS_DEL_VAST

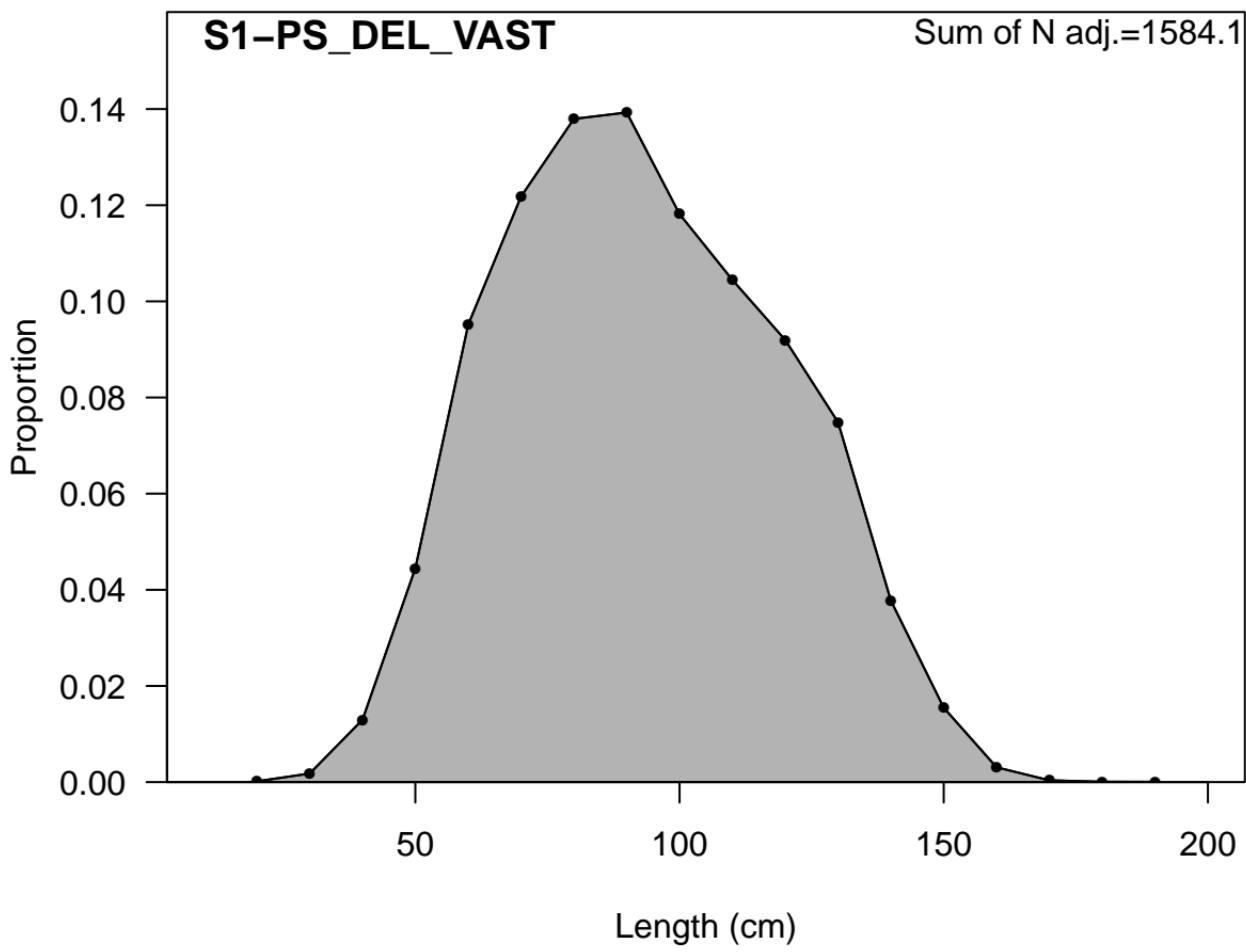
Sum of N adj.=1584.1

Proportion

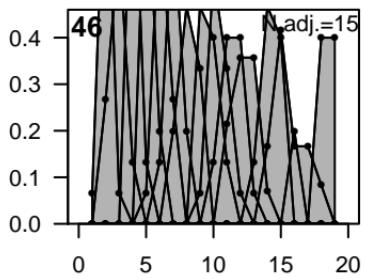
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00

50 100 150 200

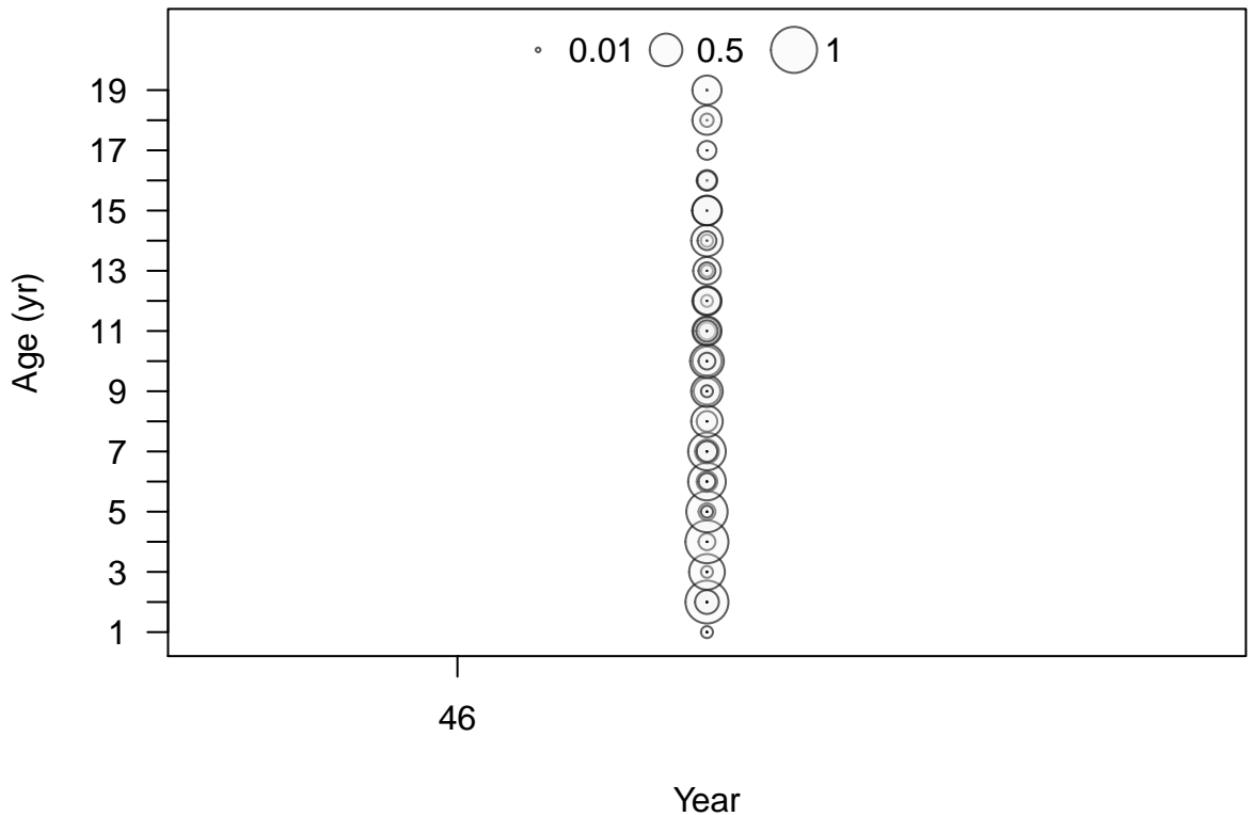
Length (cm)

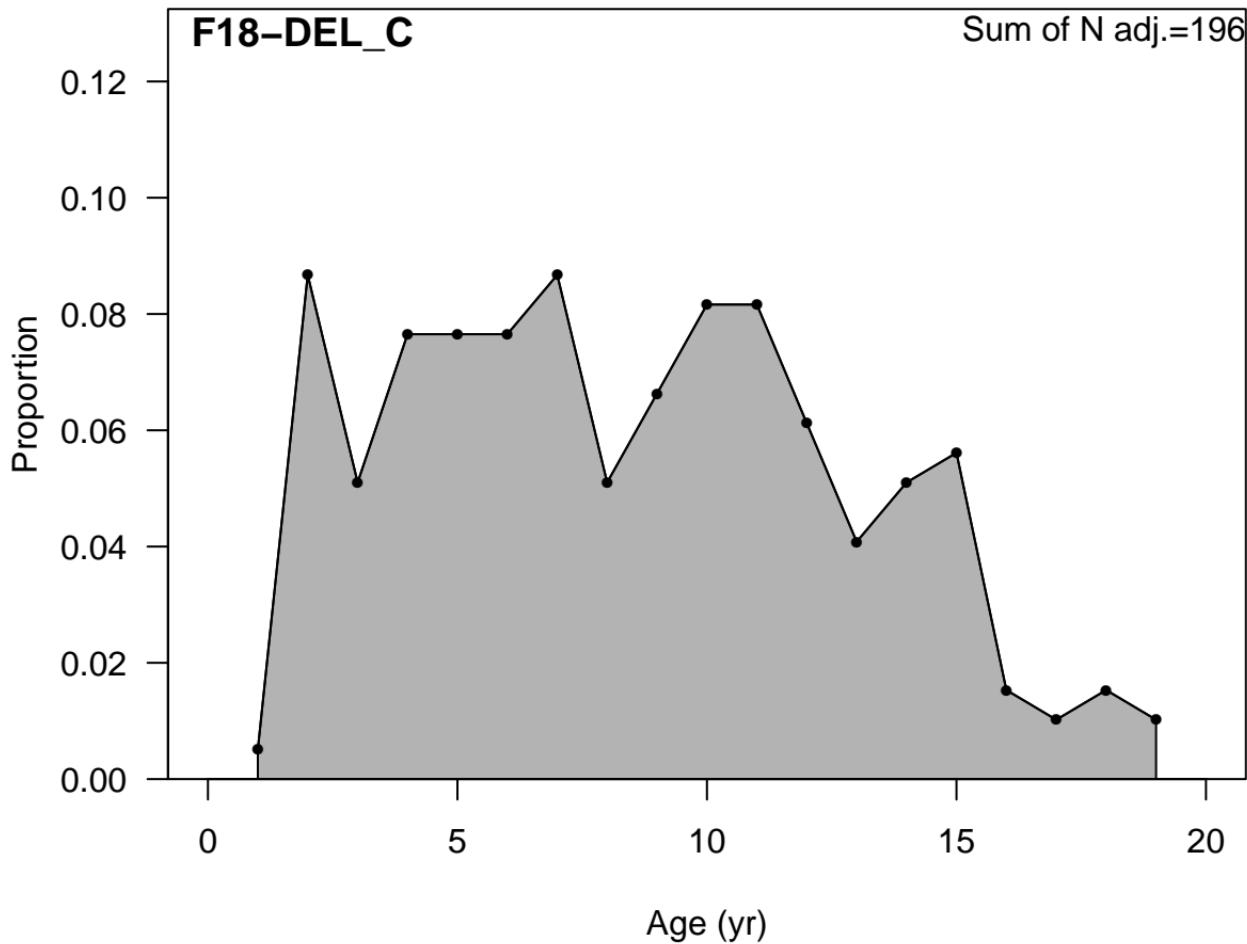


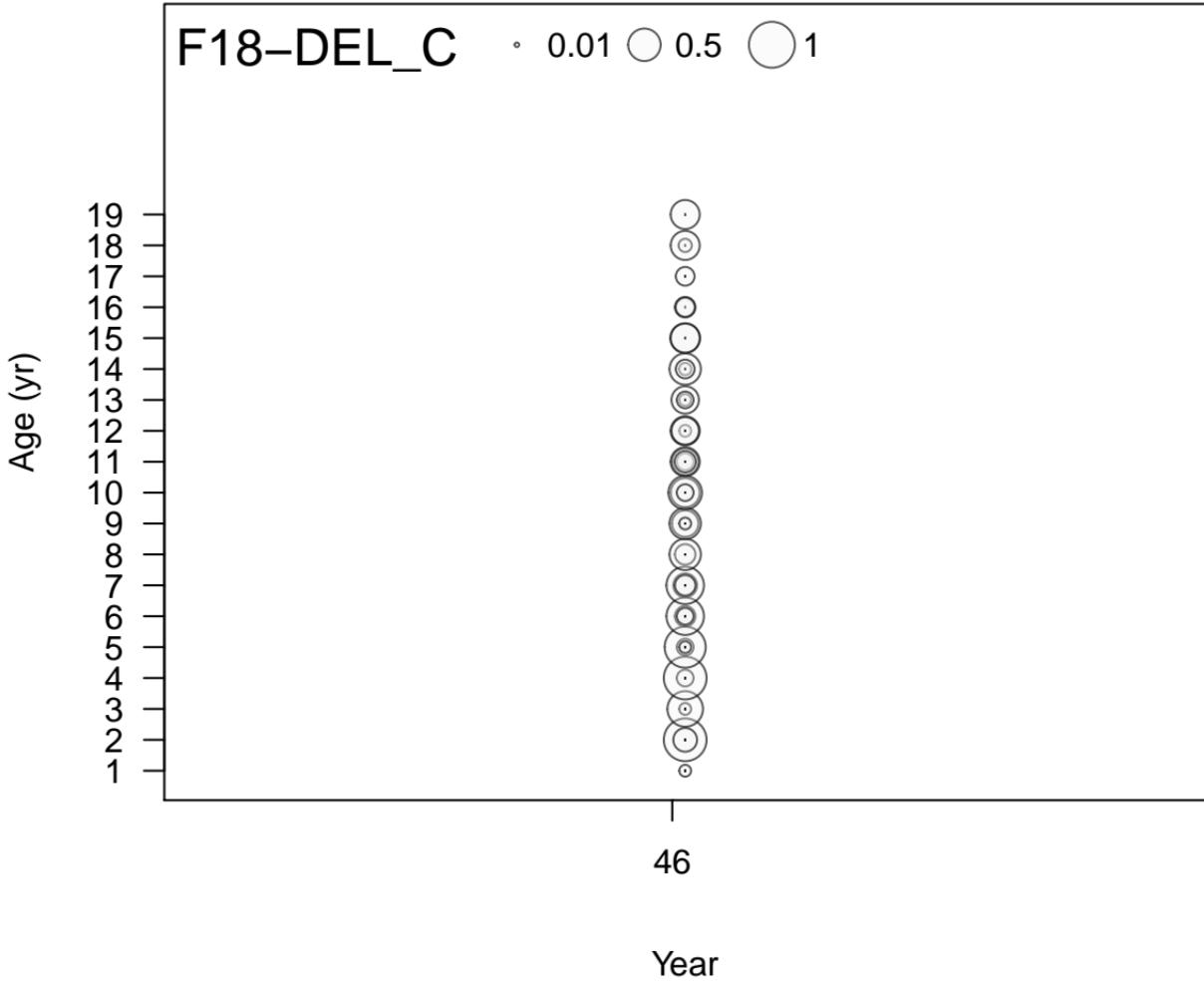
Proportion



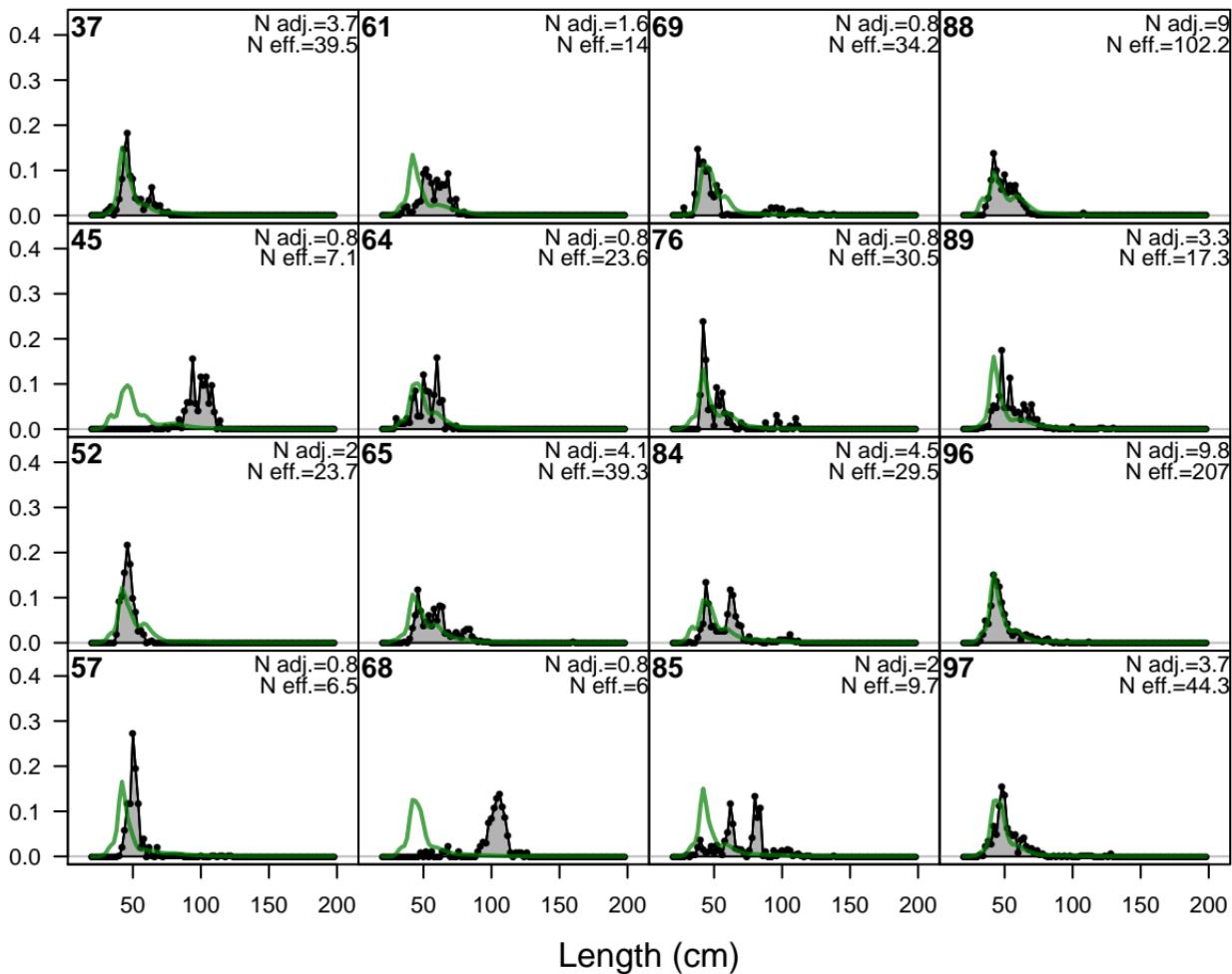
Age (yr)



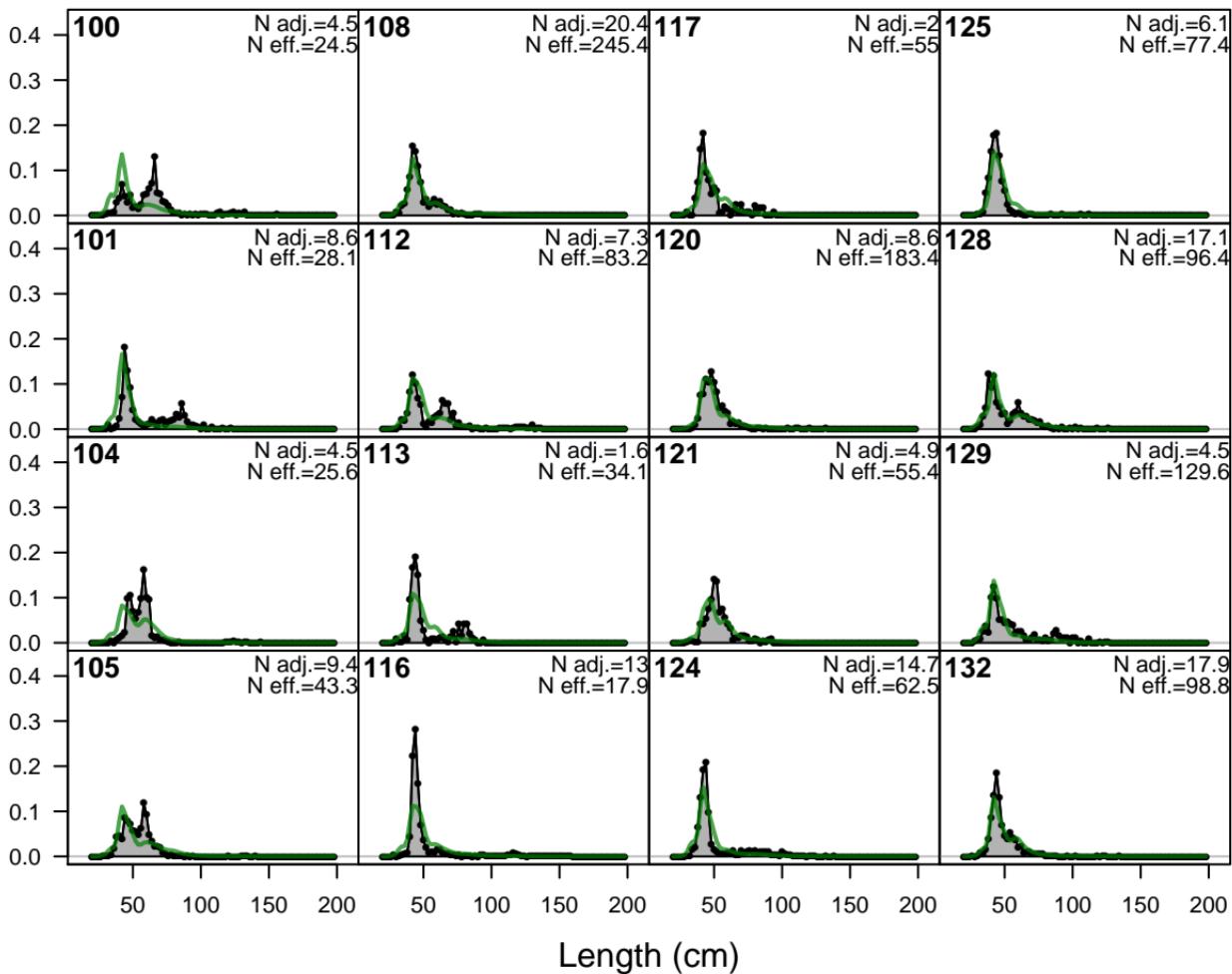




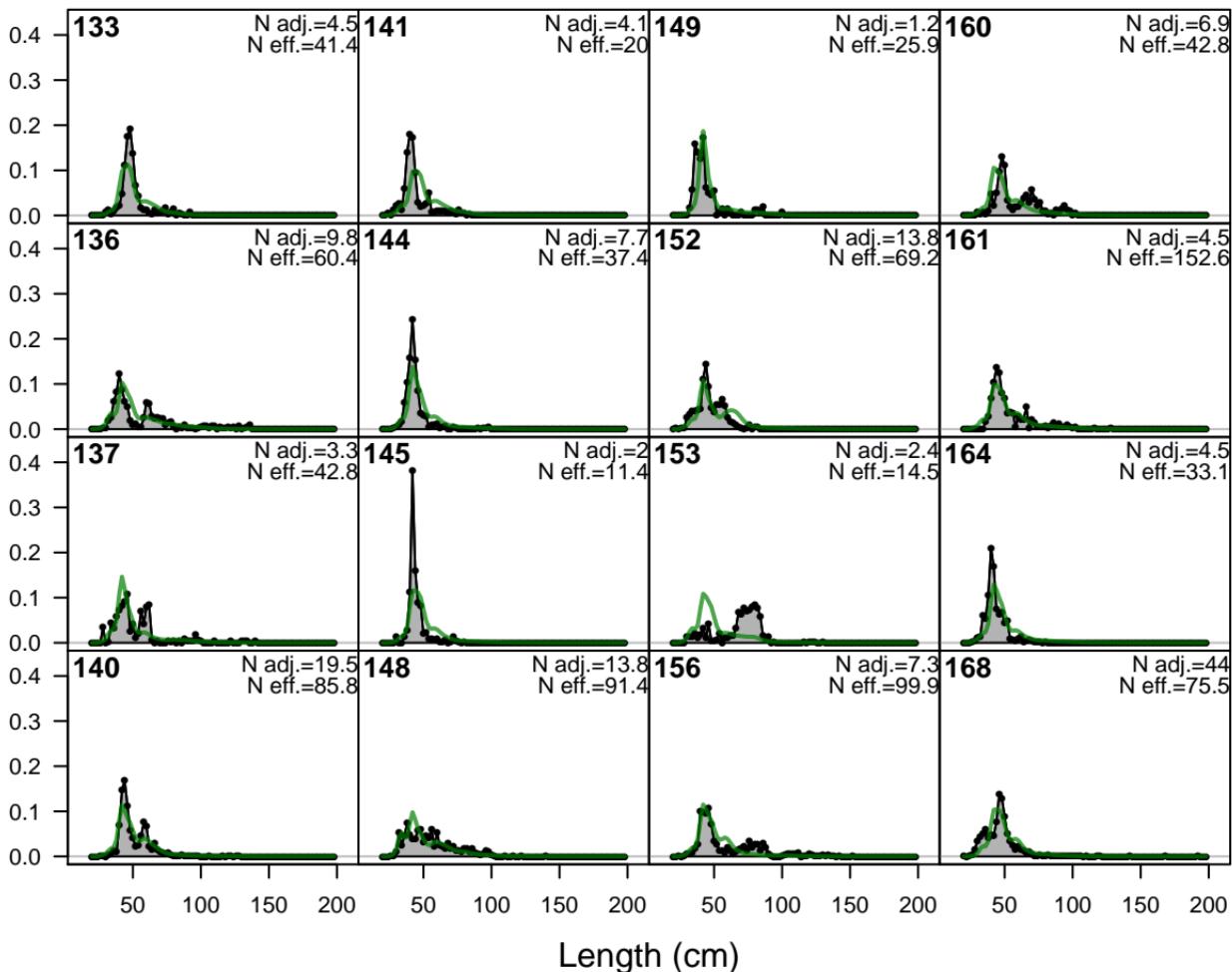
Proportion



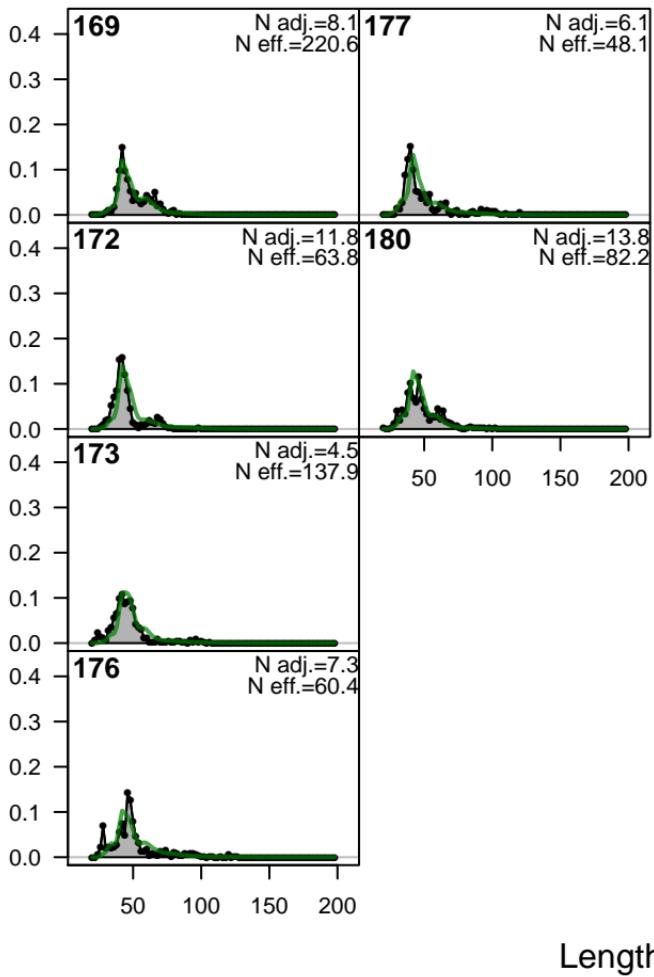
Proportion

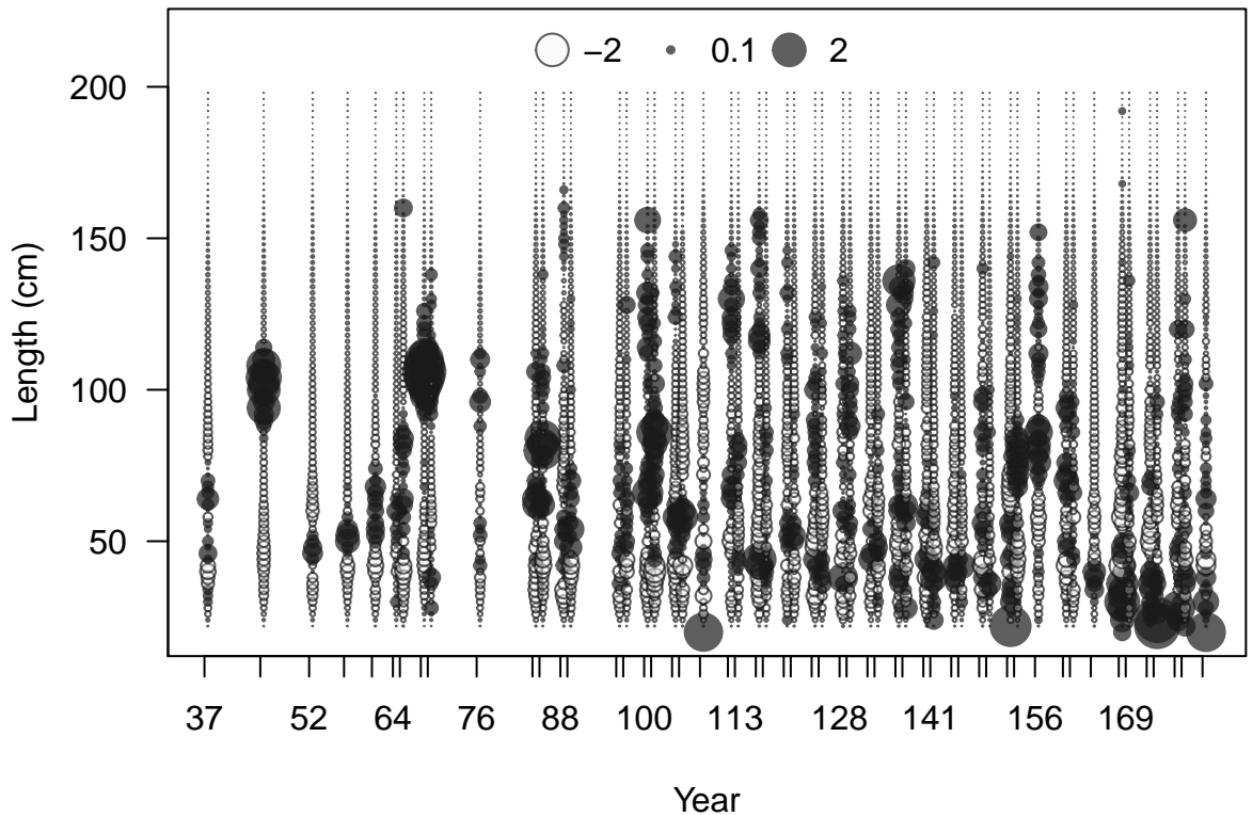


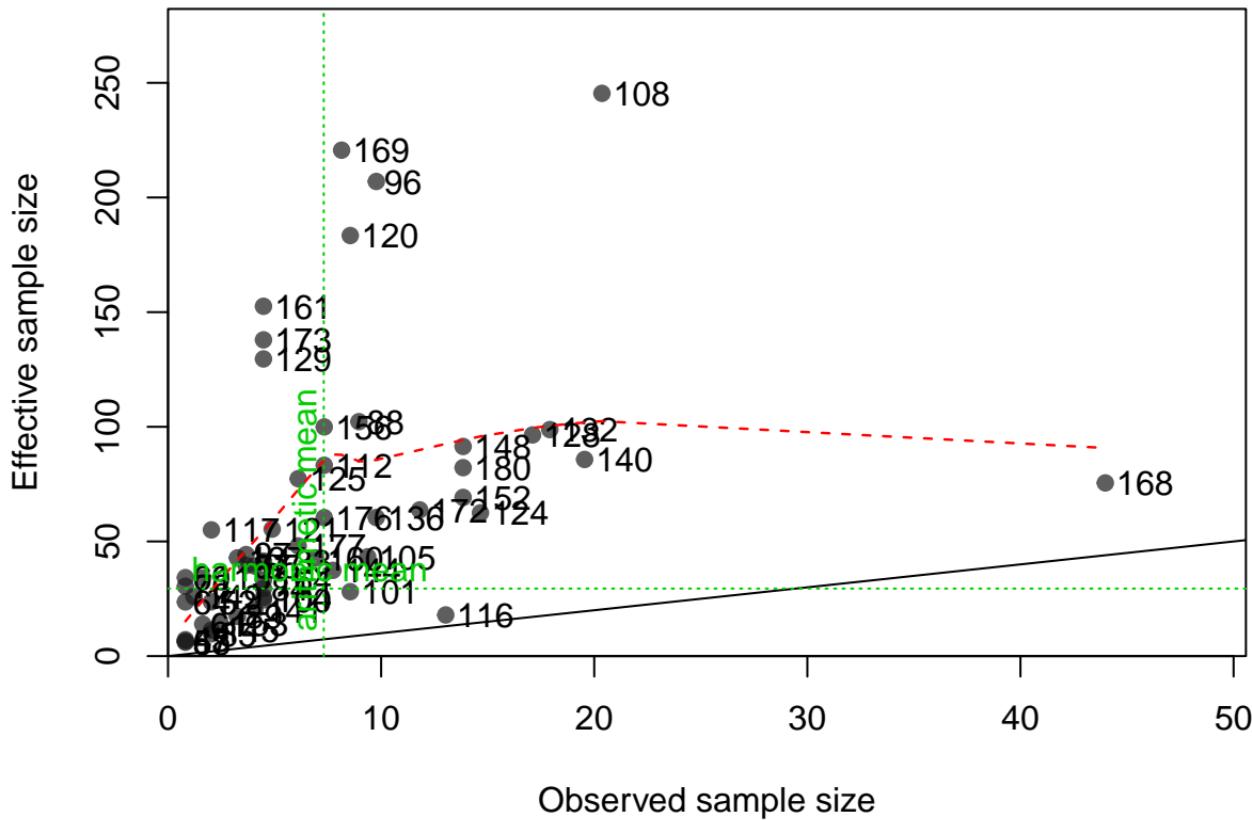
Proportion



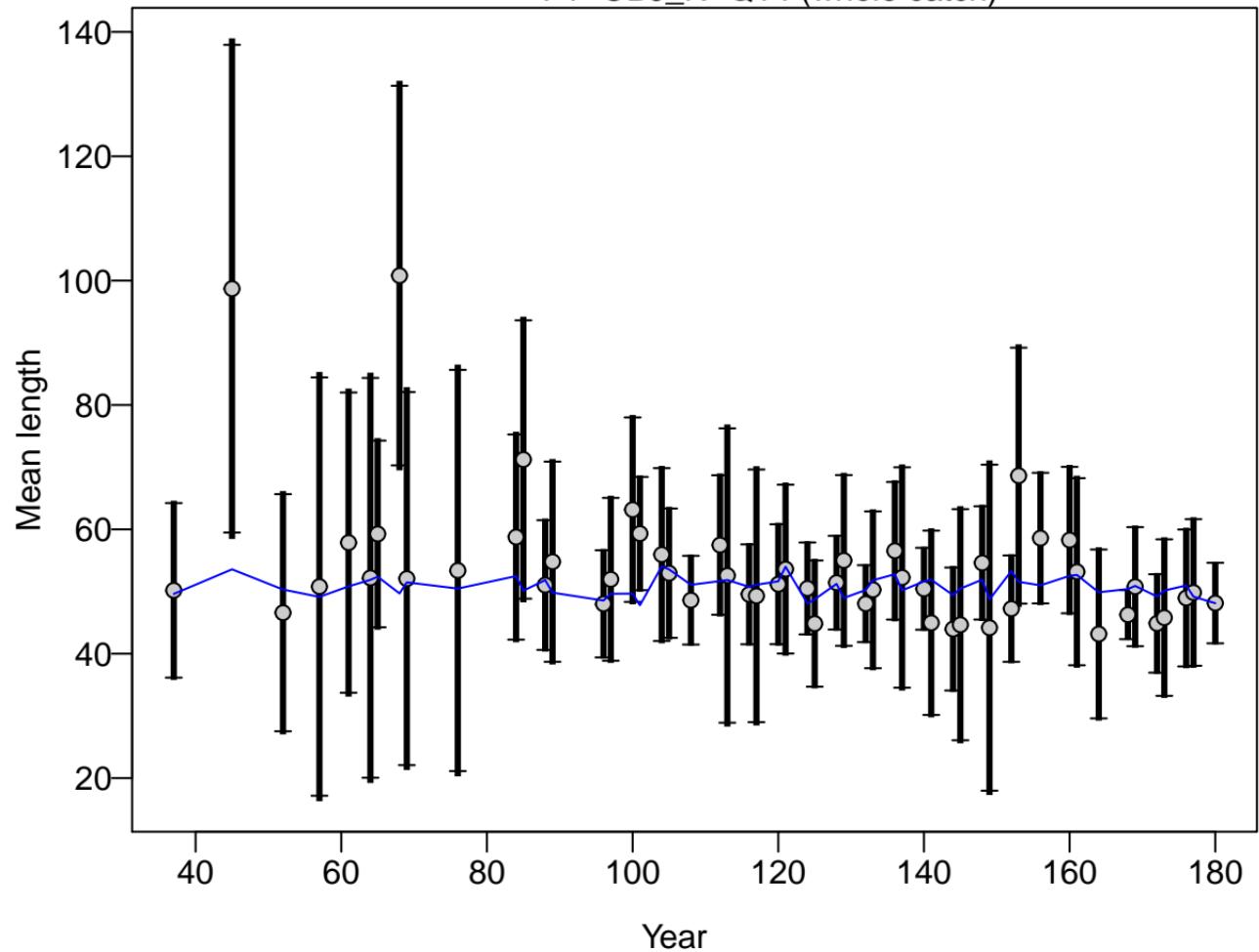
Proportion



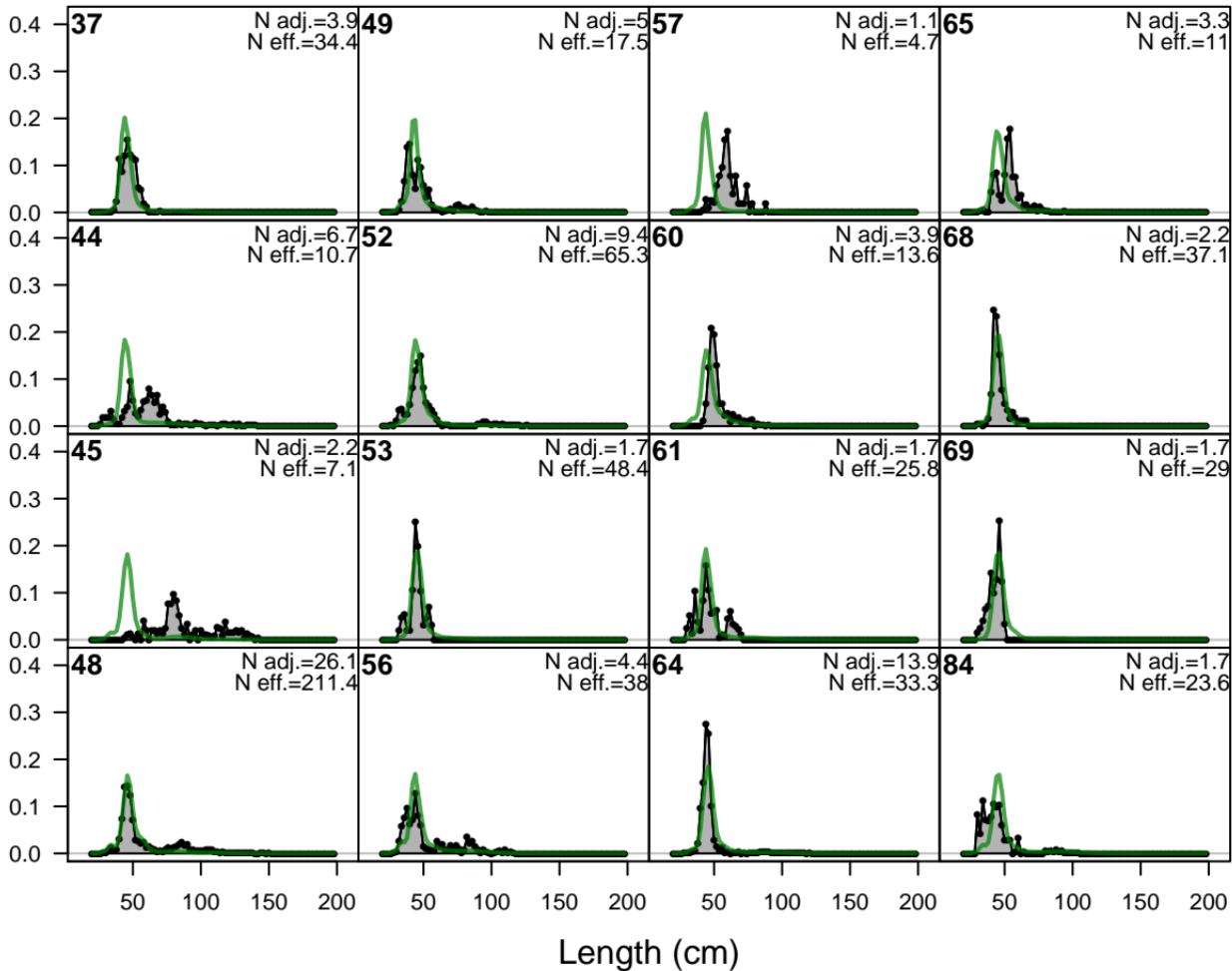




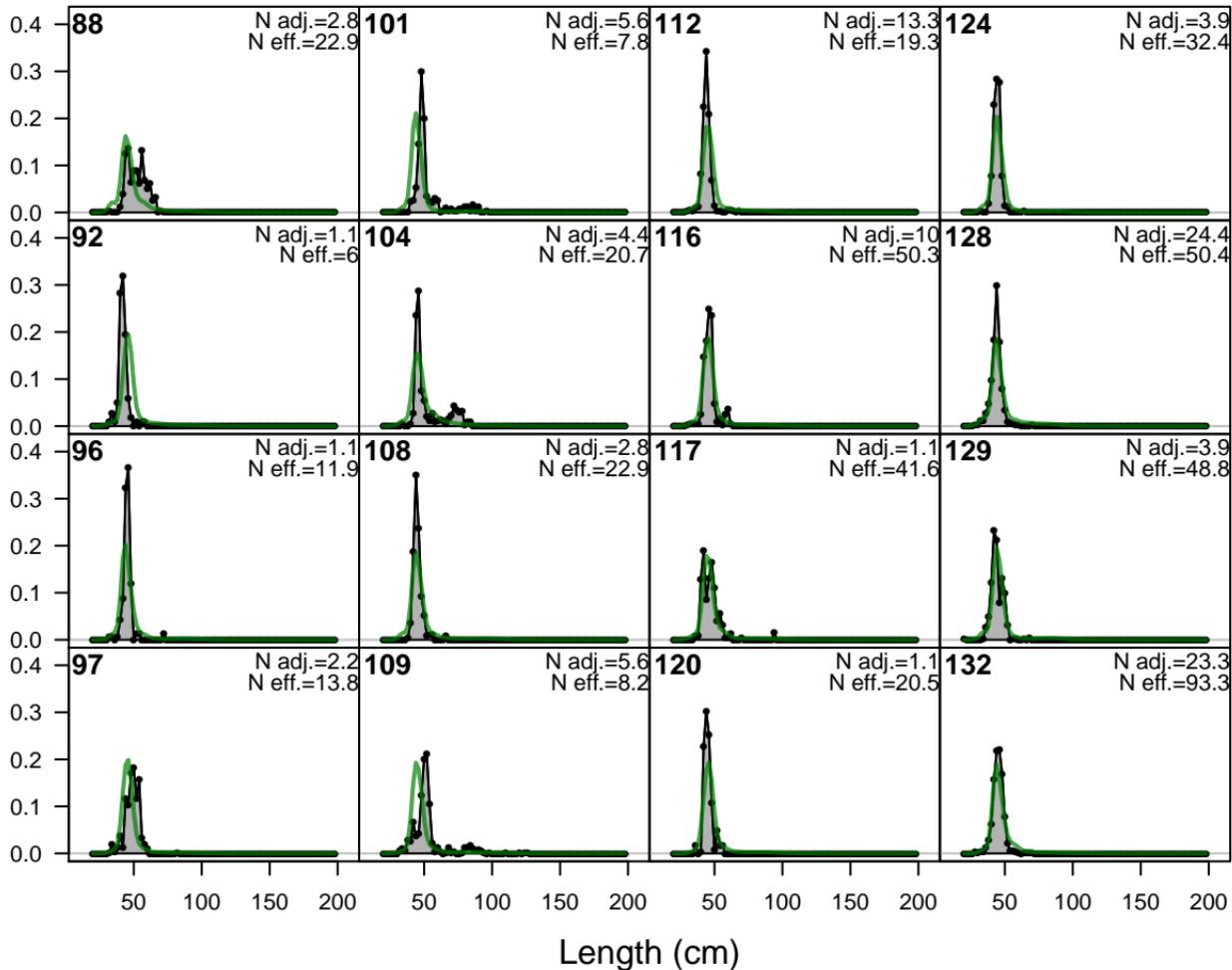
F1-OBJ_N-Q14 (whole catch)



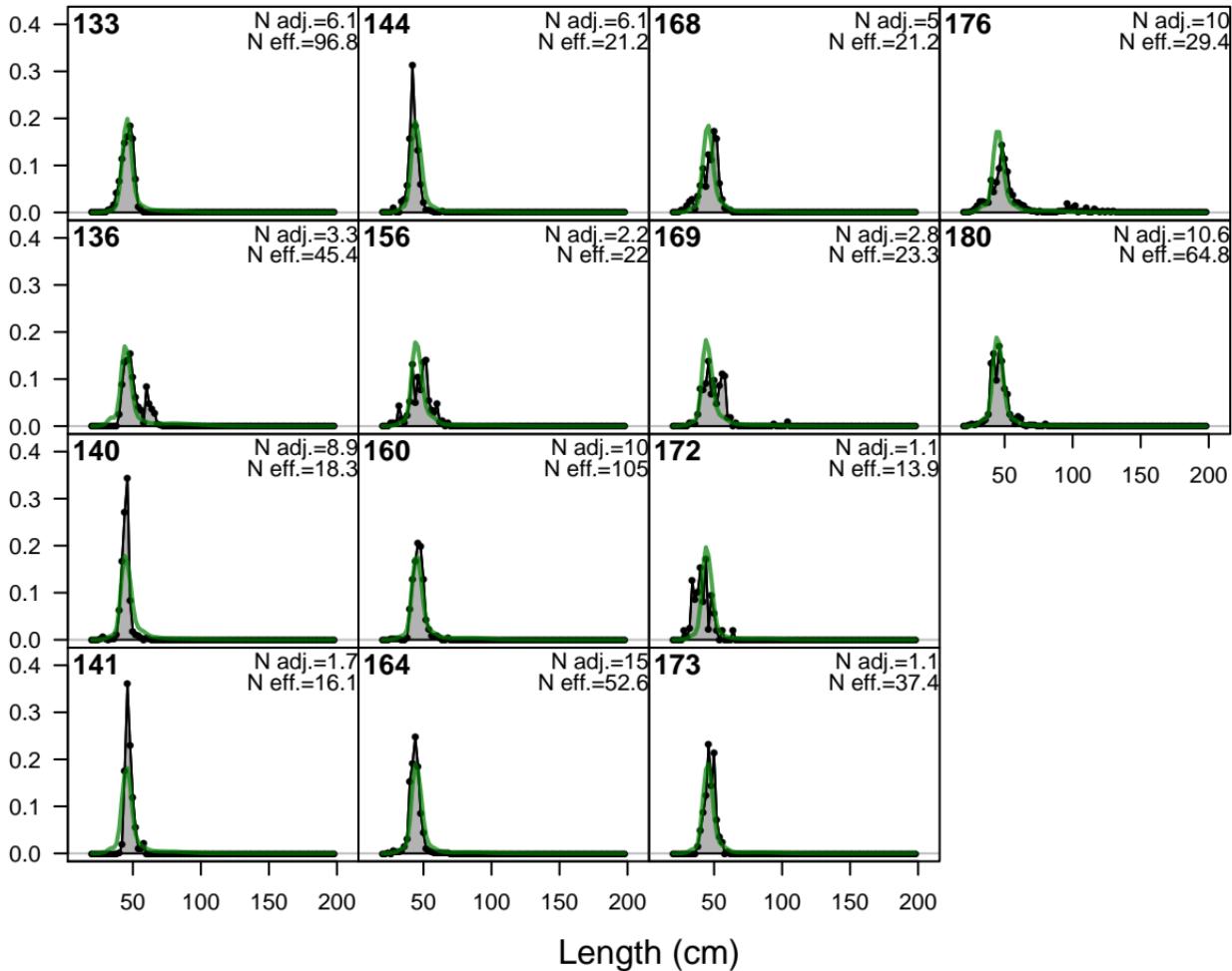
Proportion

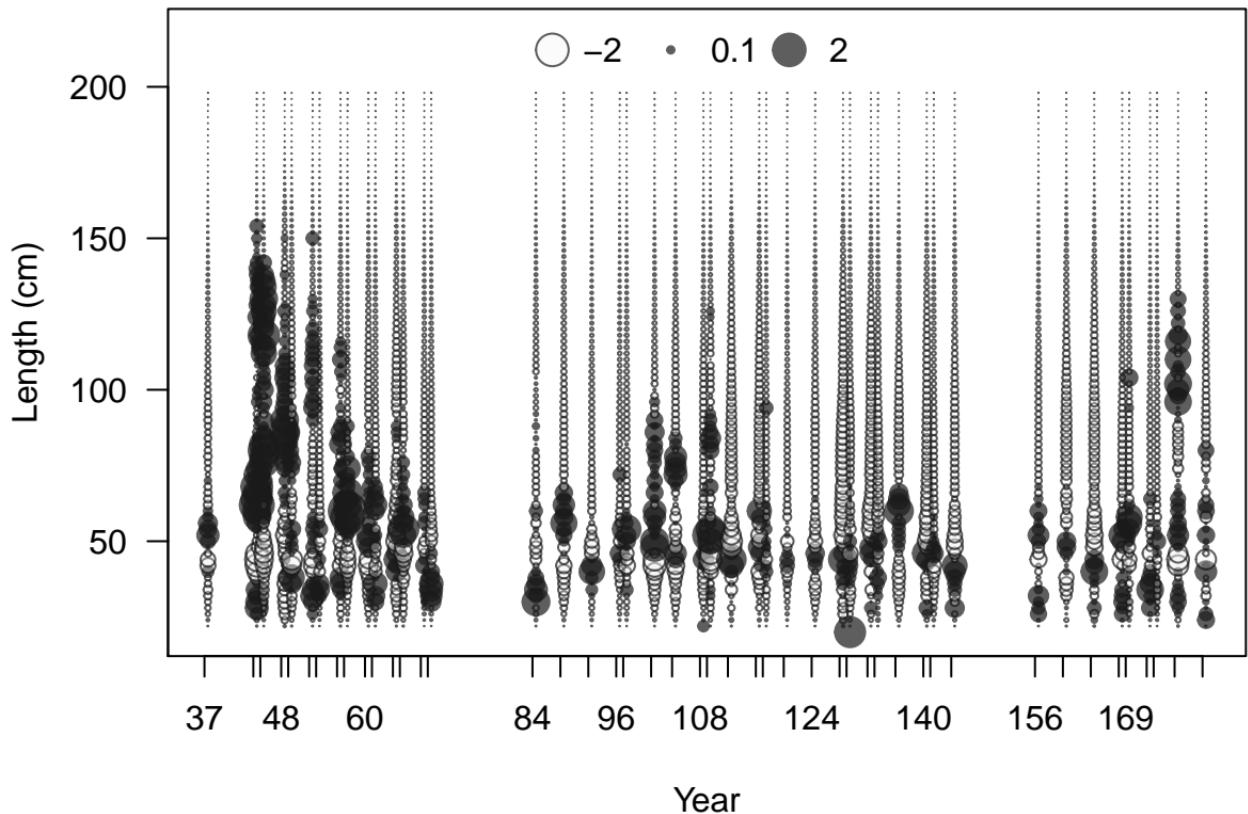


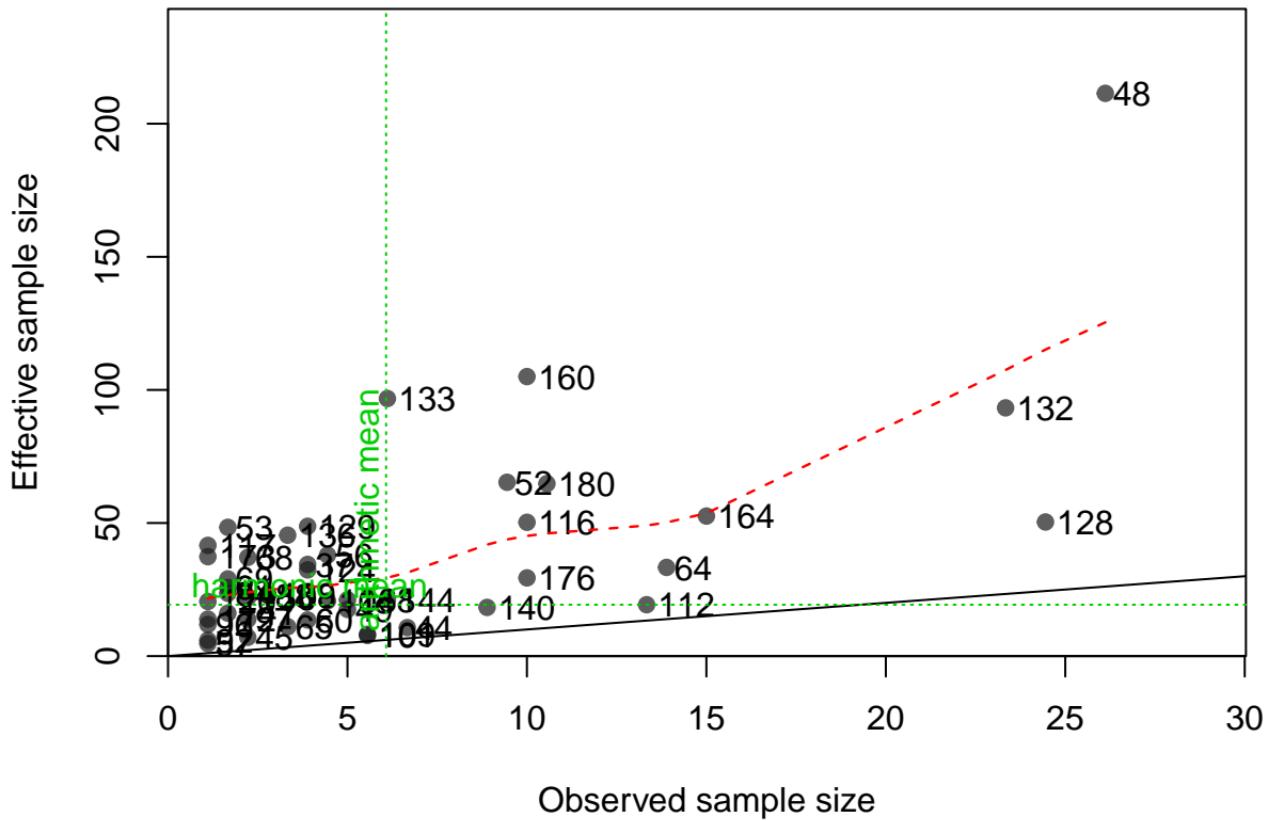
Proportion



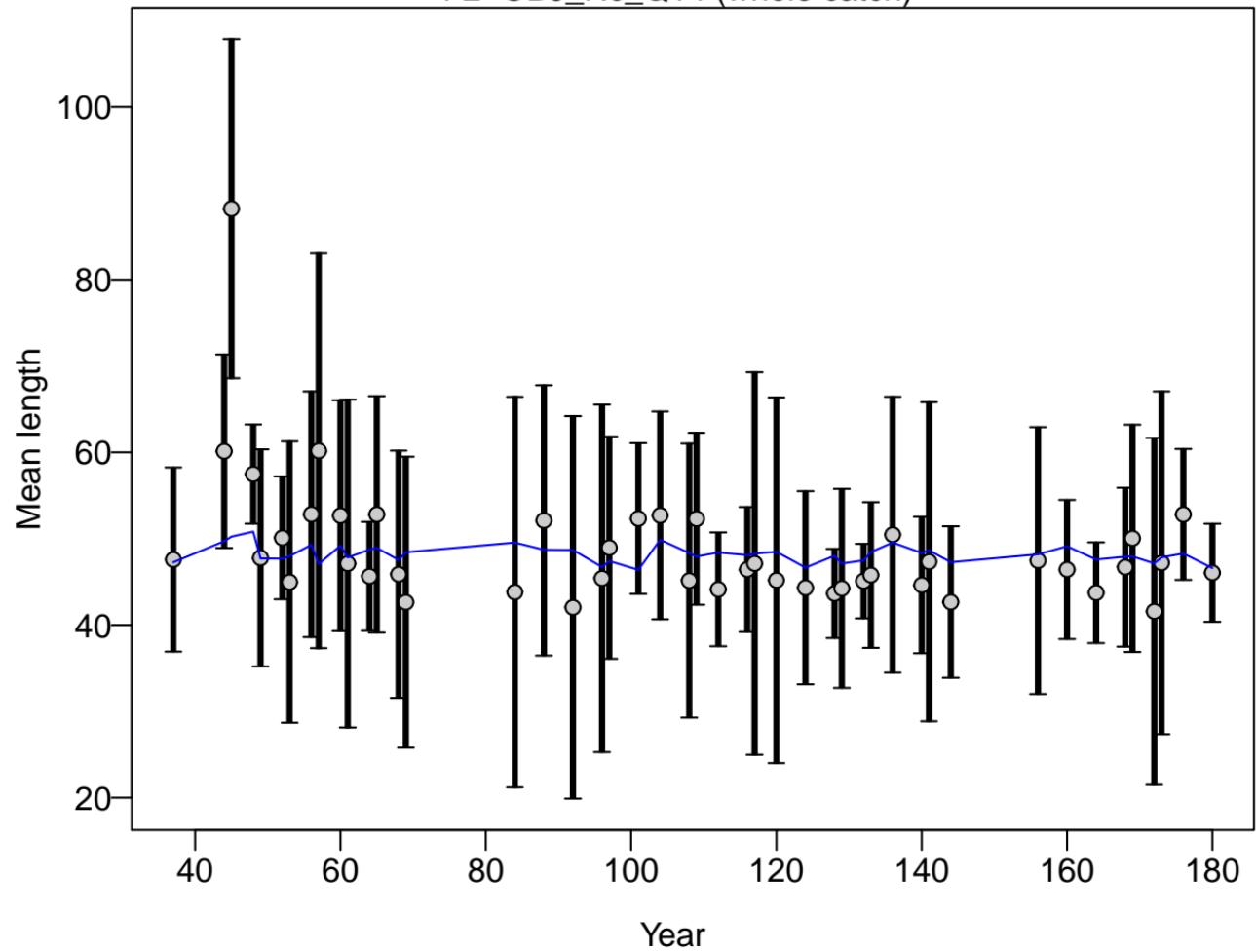
Proportion



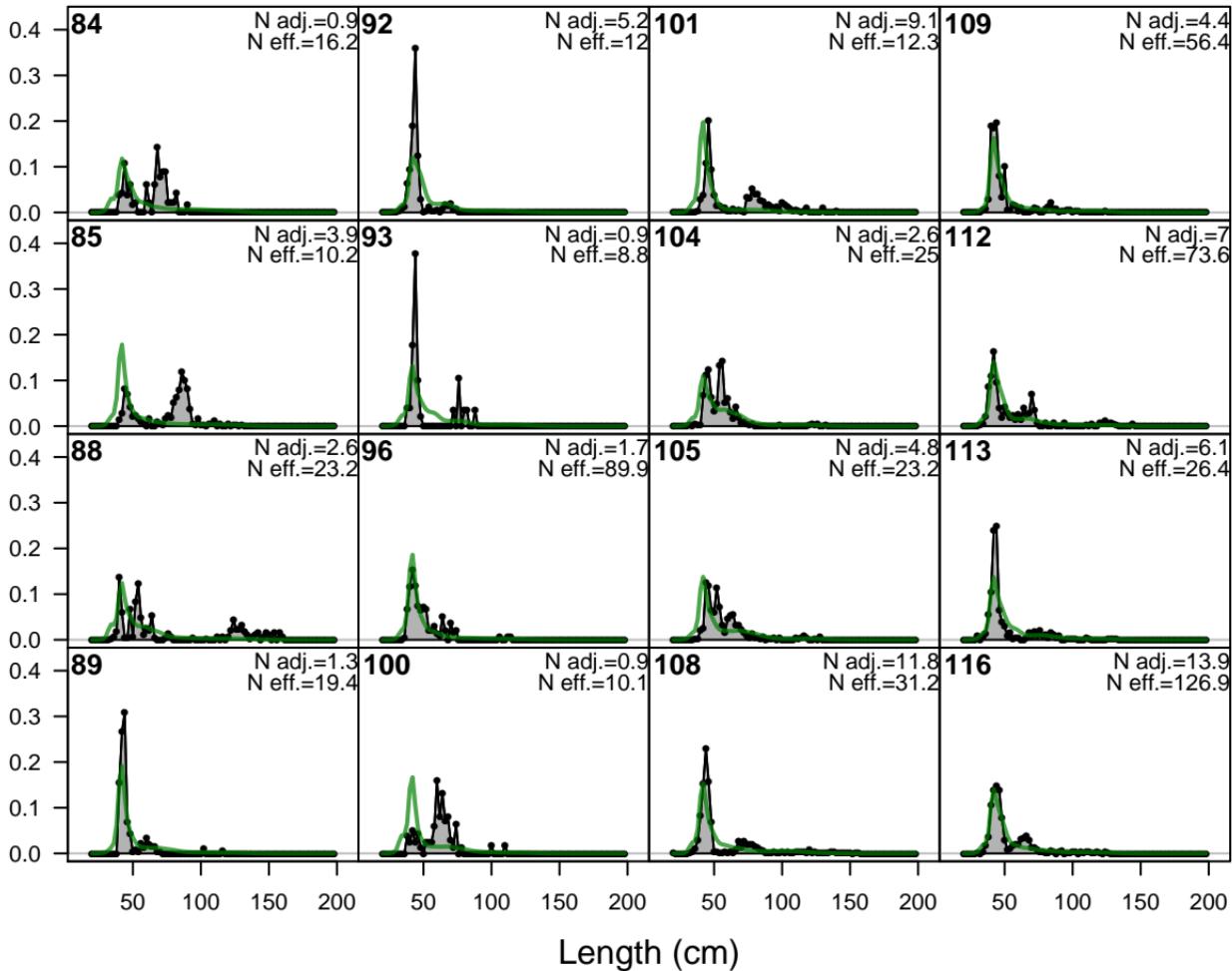




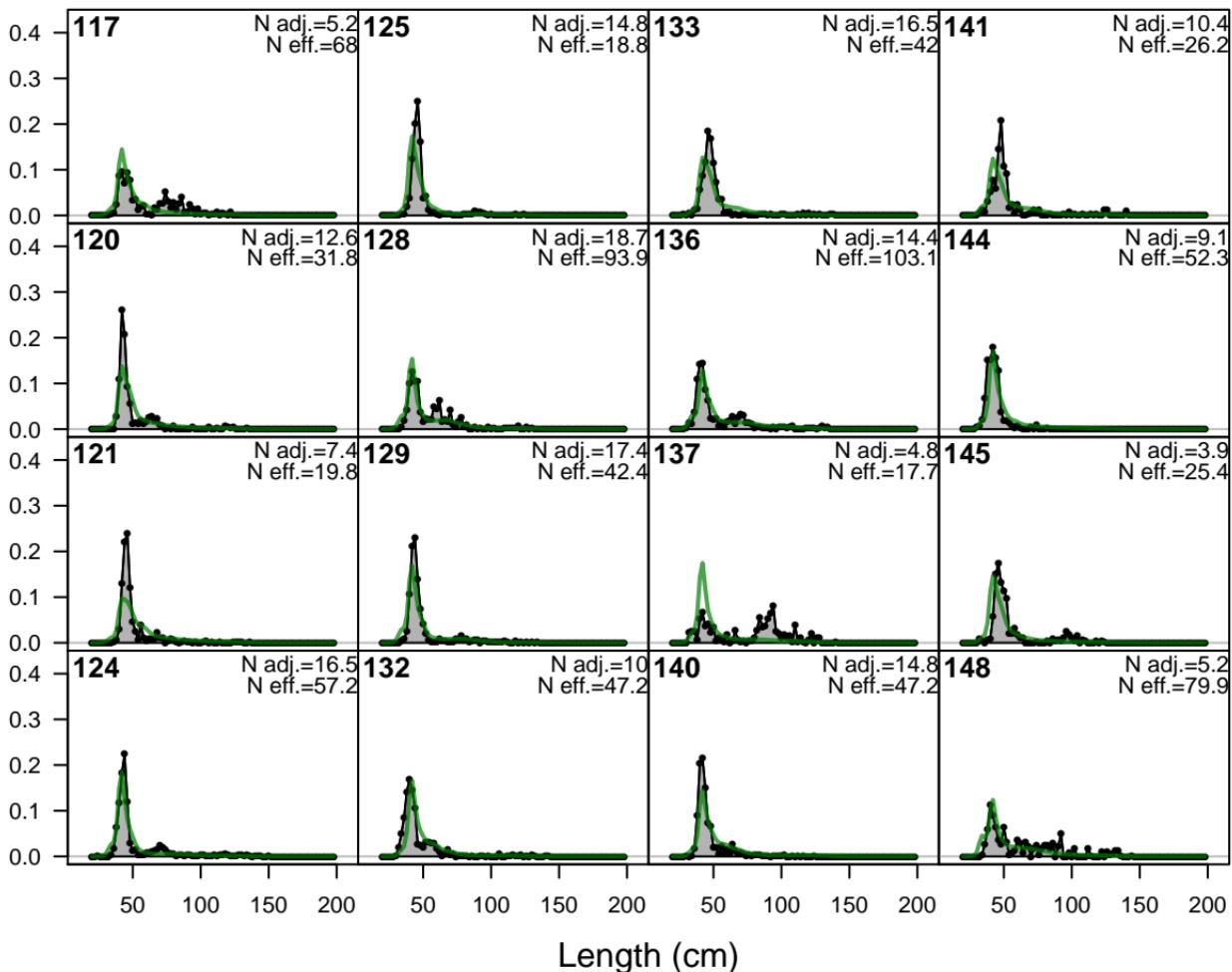
F2-OBJ_Nc_Q14 (whole catch)



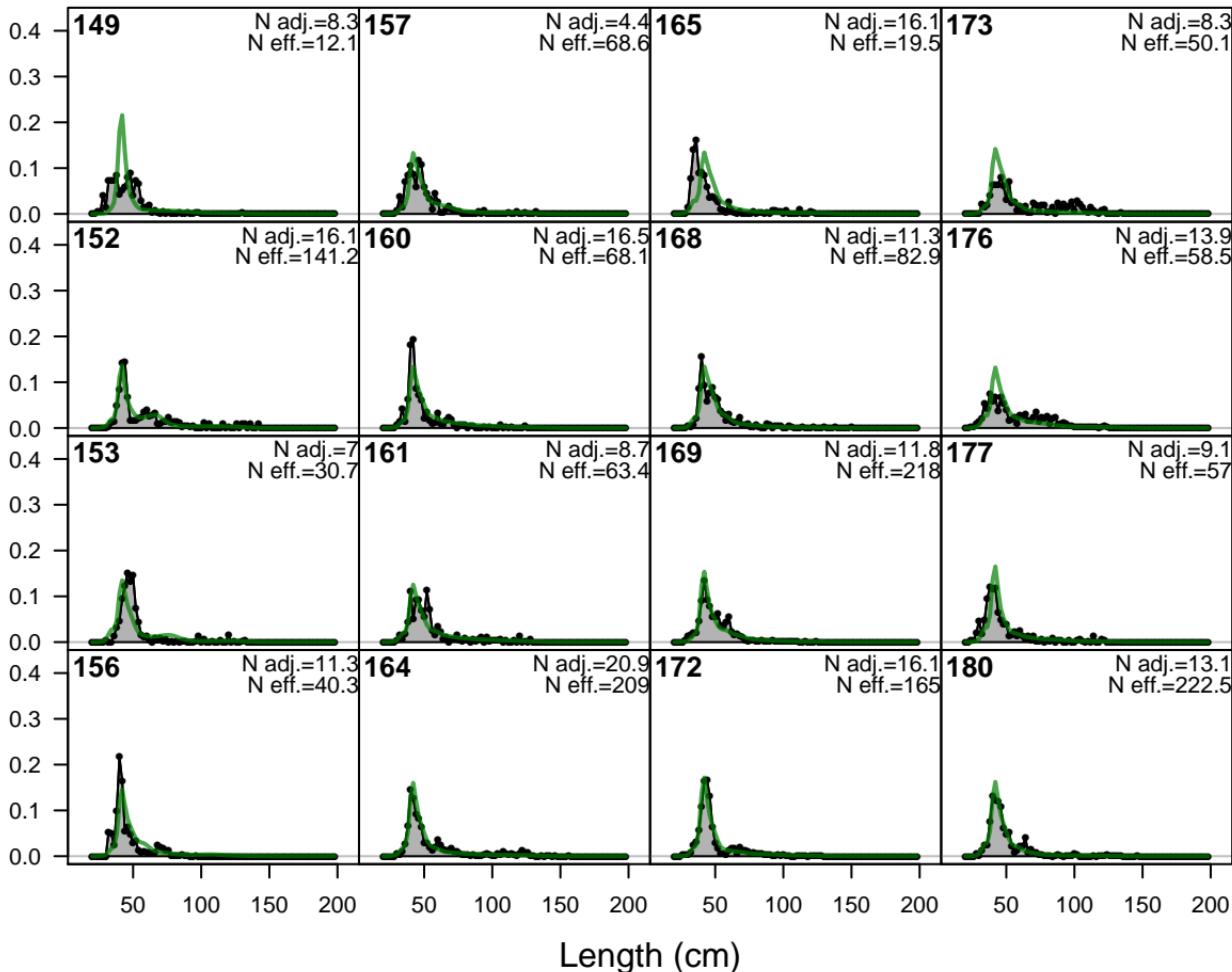
Proportion

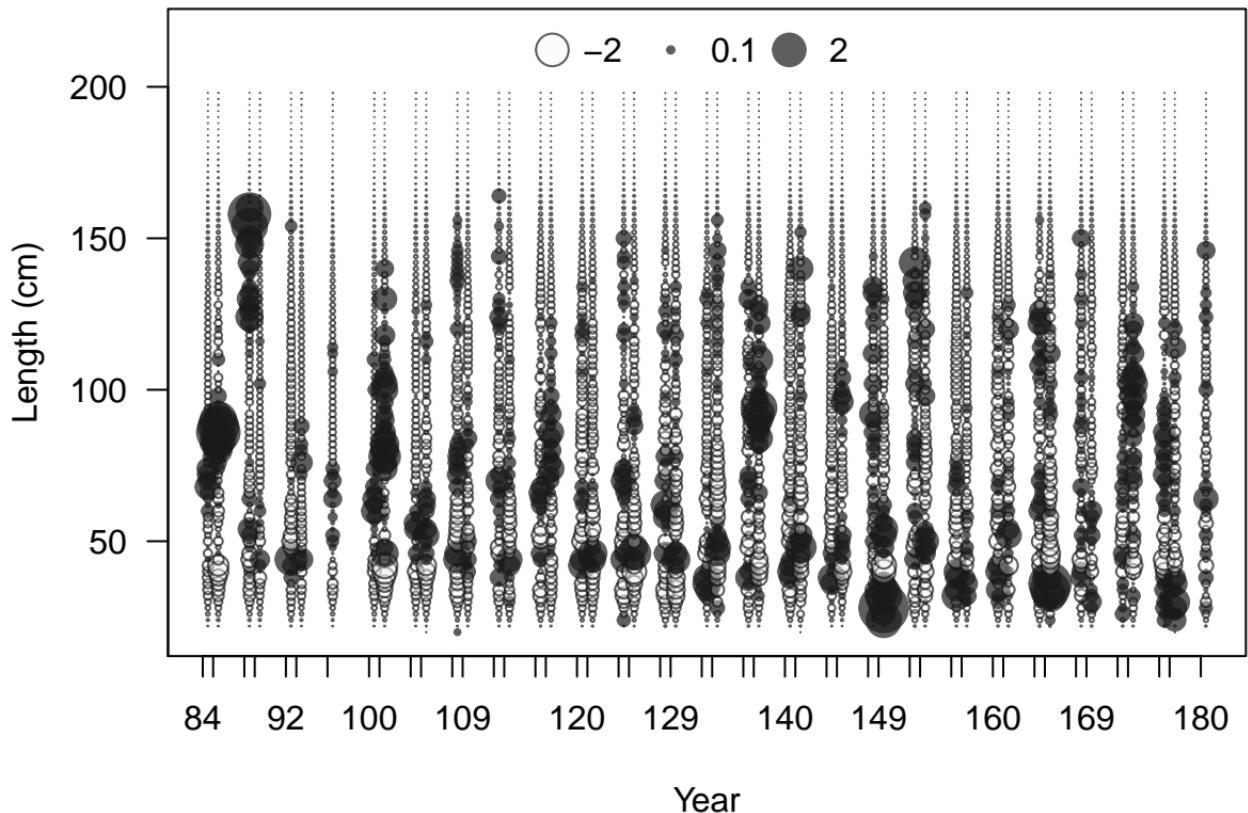


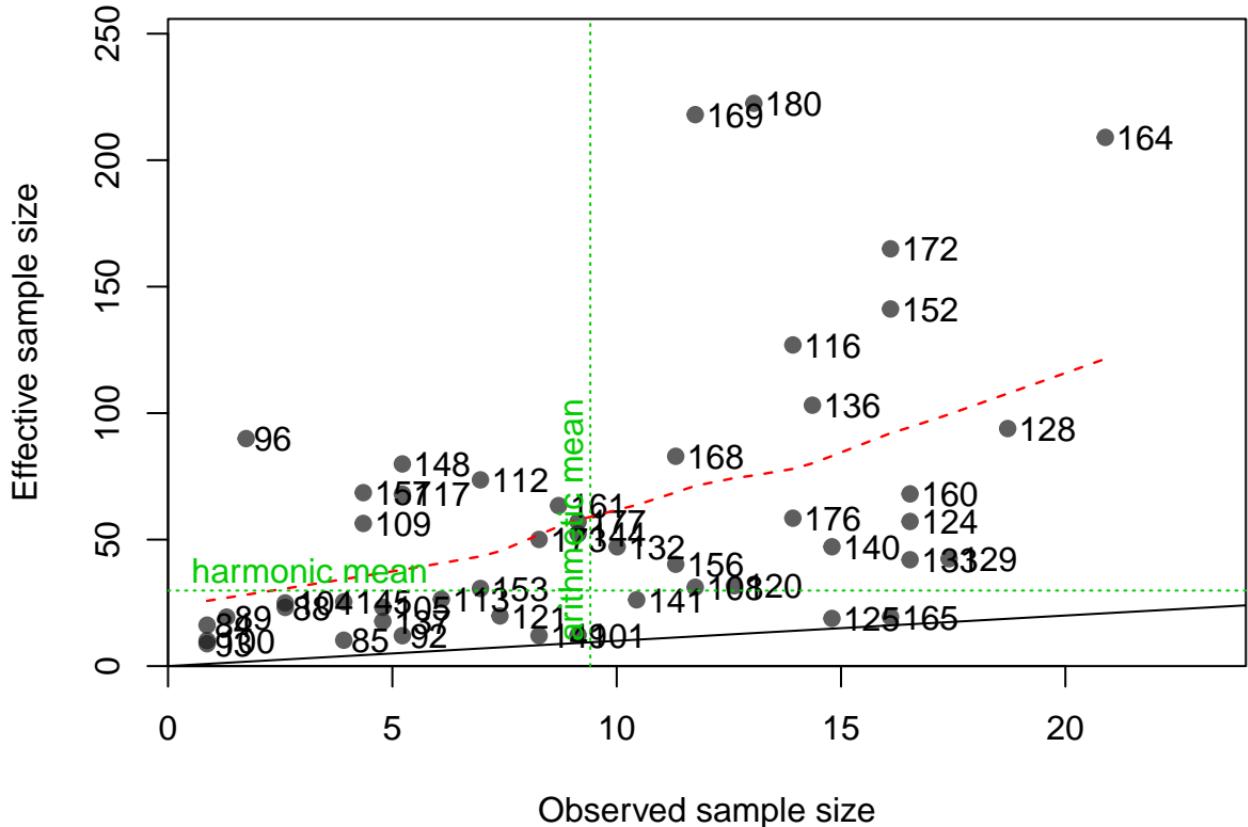
Proportion



Proportion







F3-OBJ_C_Q14 (whole catch)

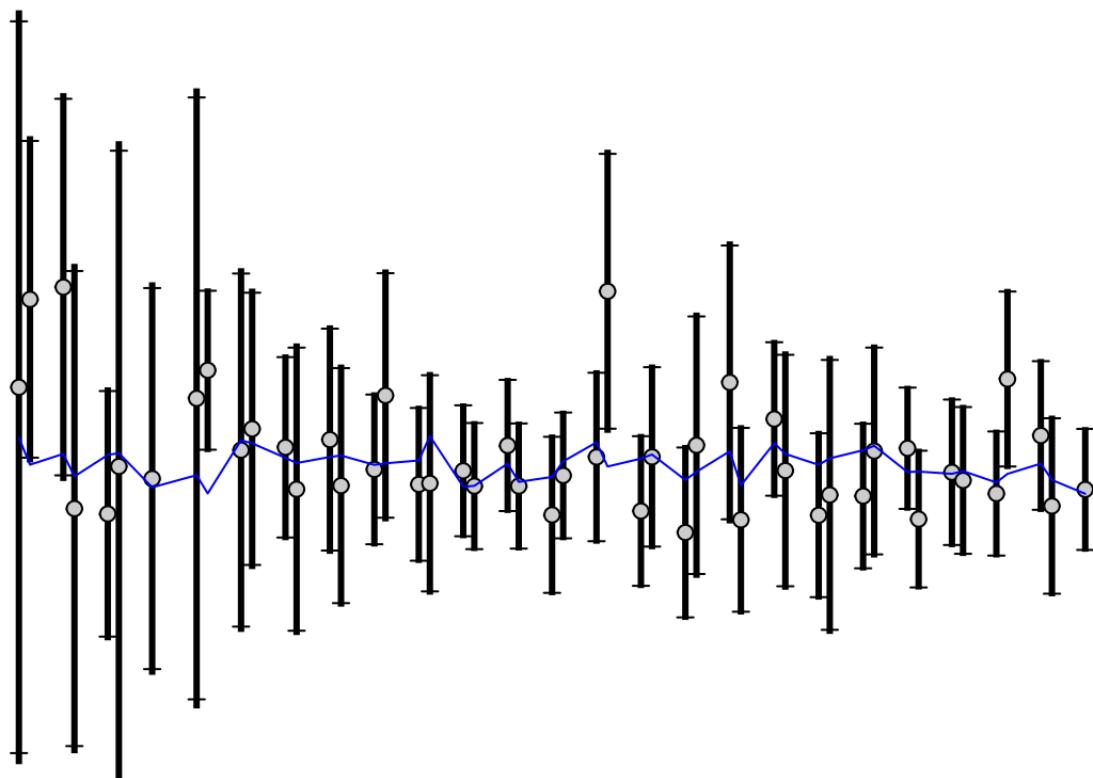
Mean length

100
80
60
40
20

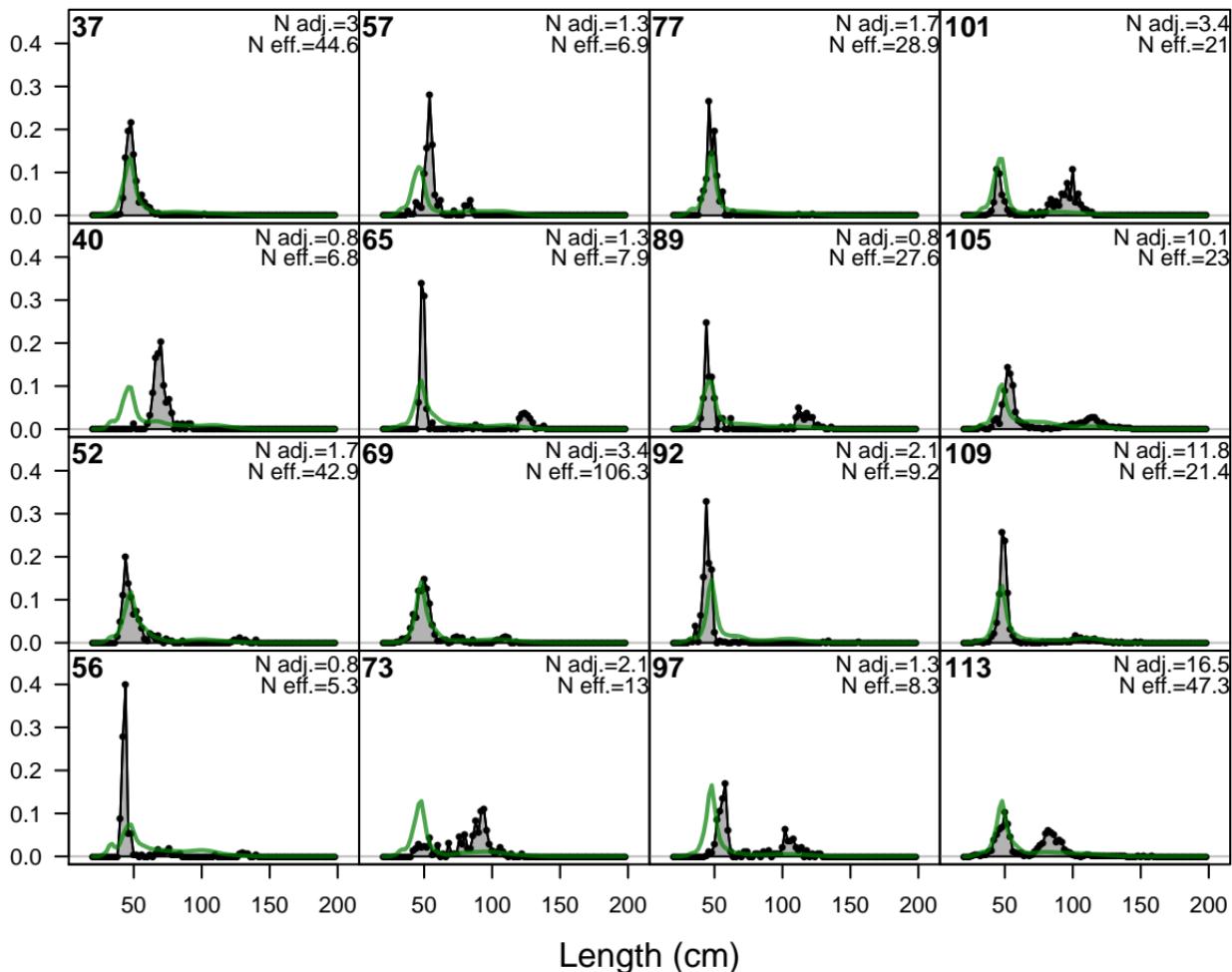
110
100
90
80
70
60
50
40
30
20
10

100 110 120 130 140 150 160 170 180

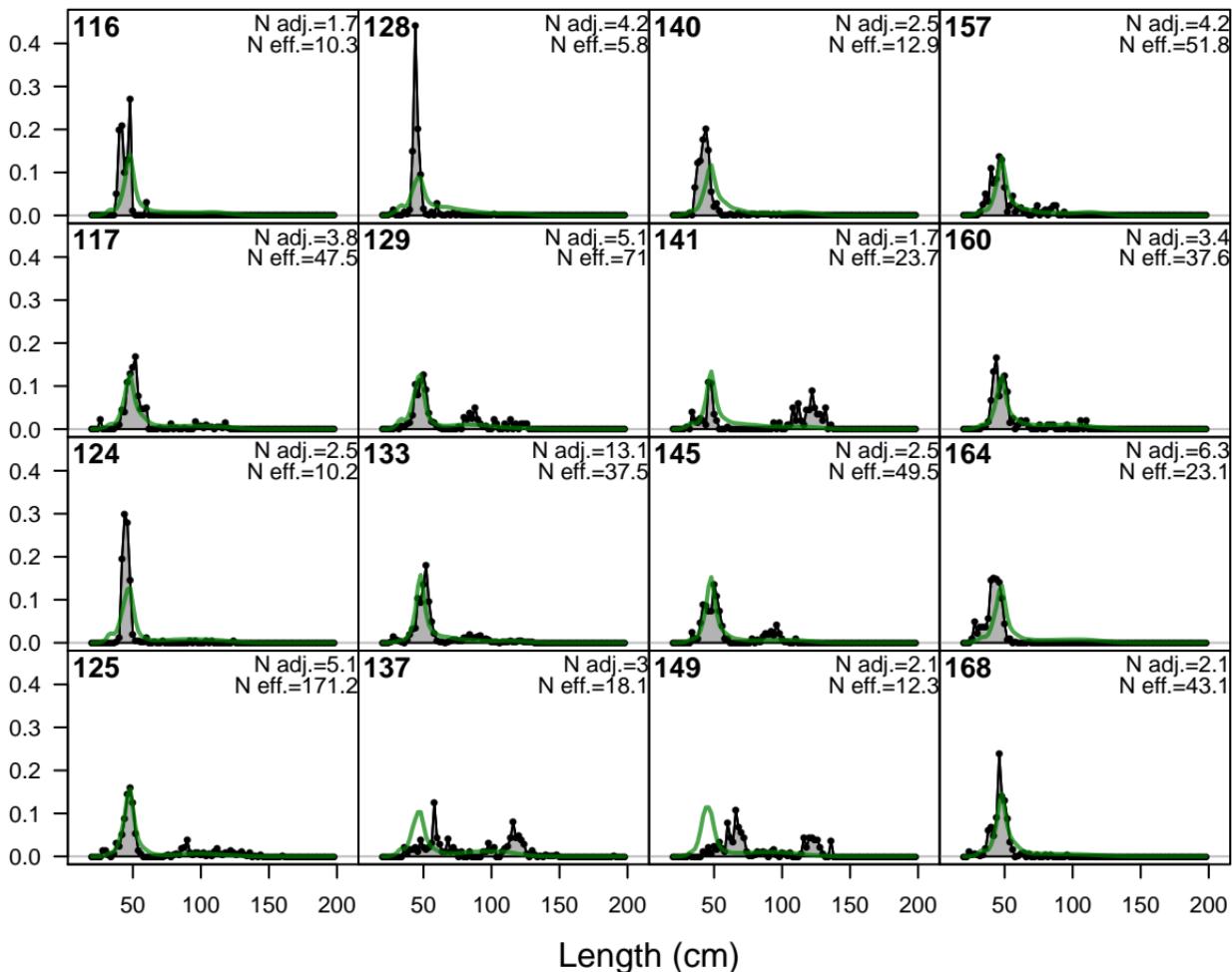
Year



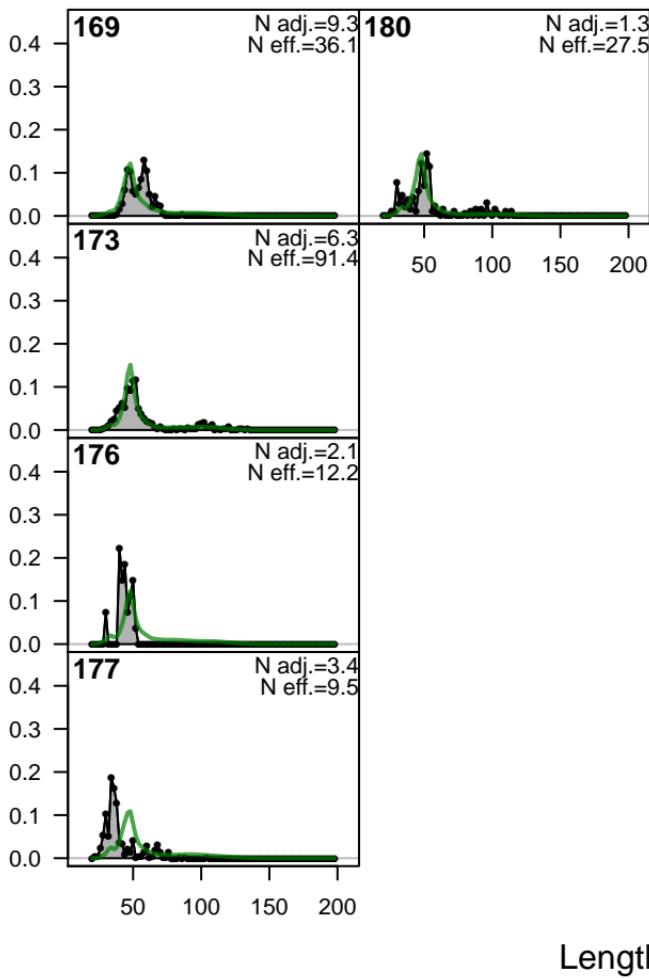
Proportion

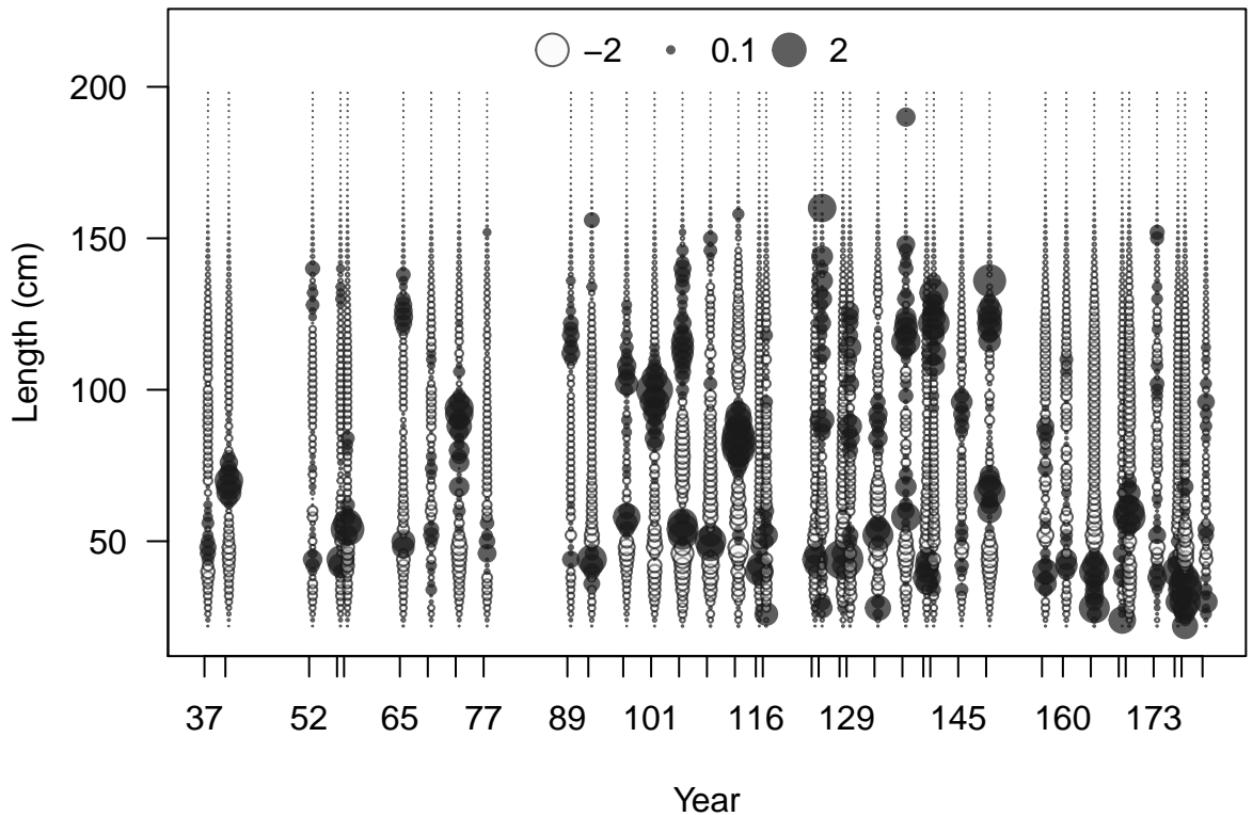


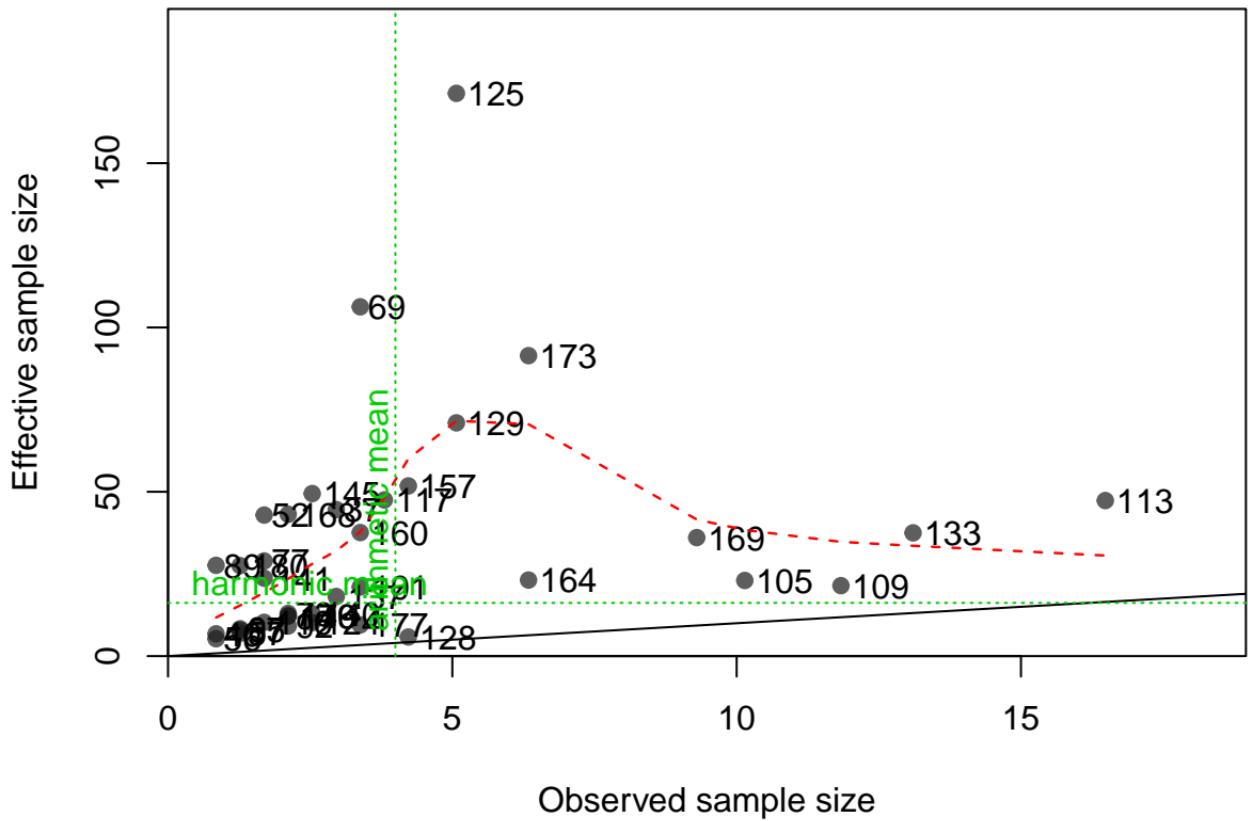
Proportion



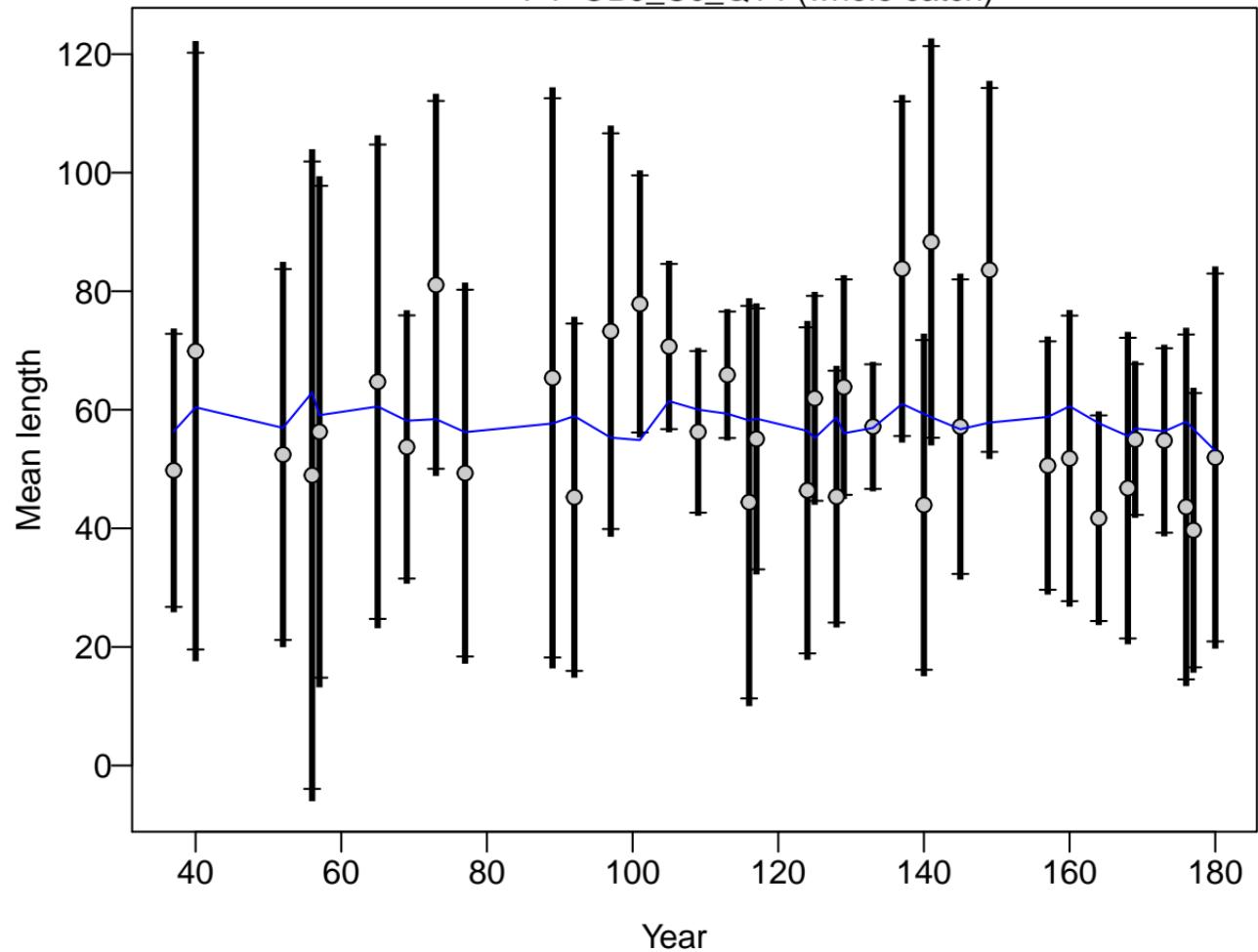
Proportion



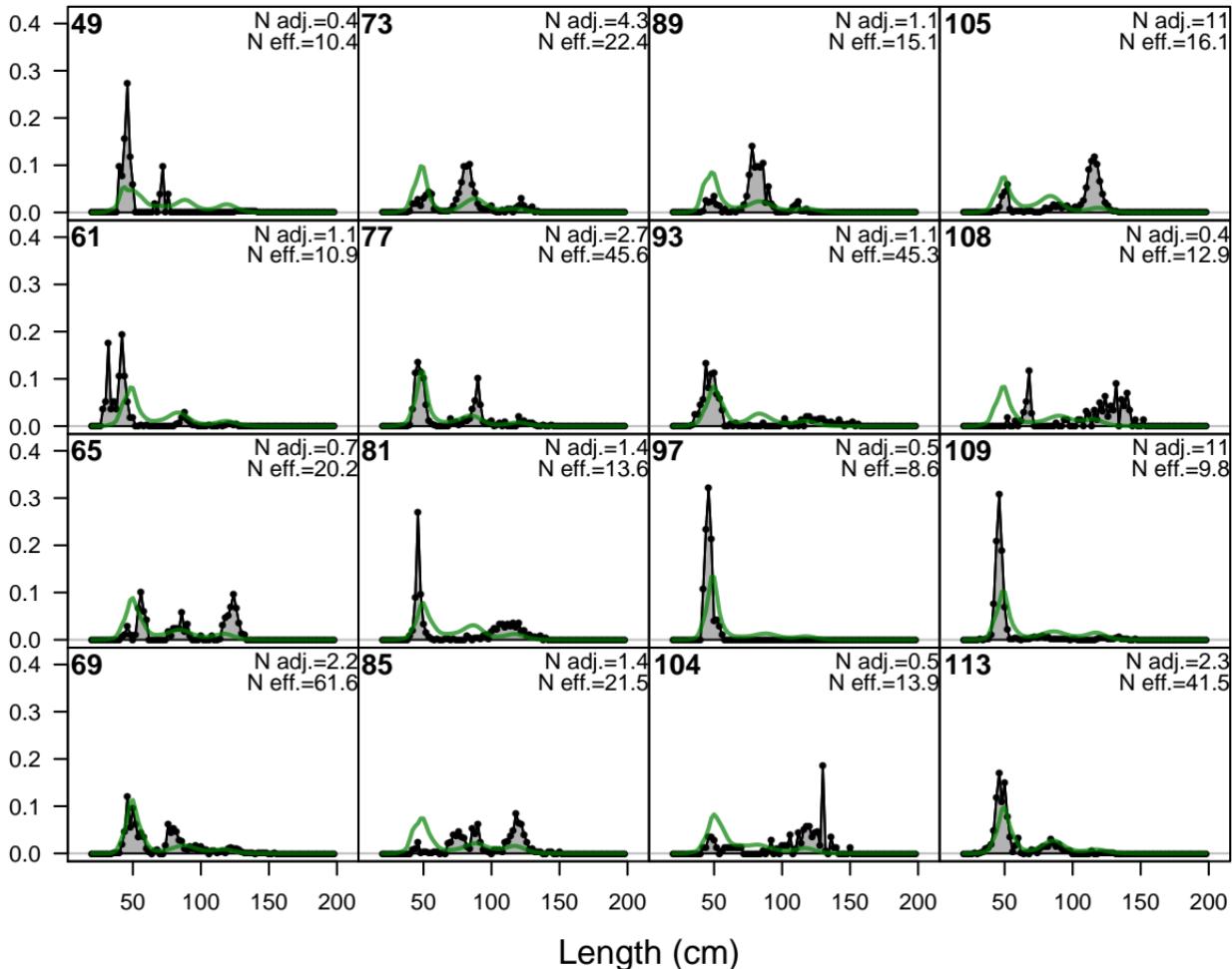




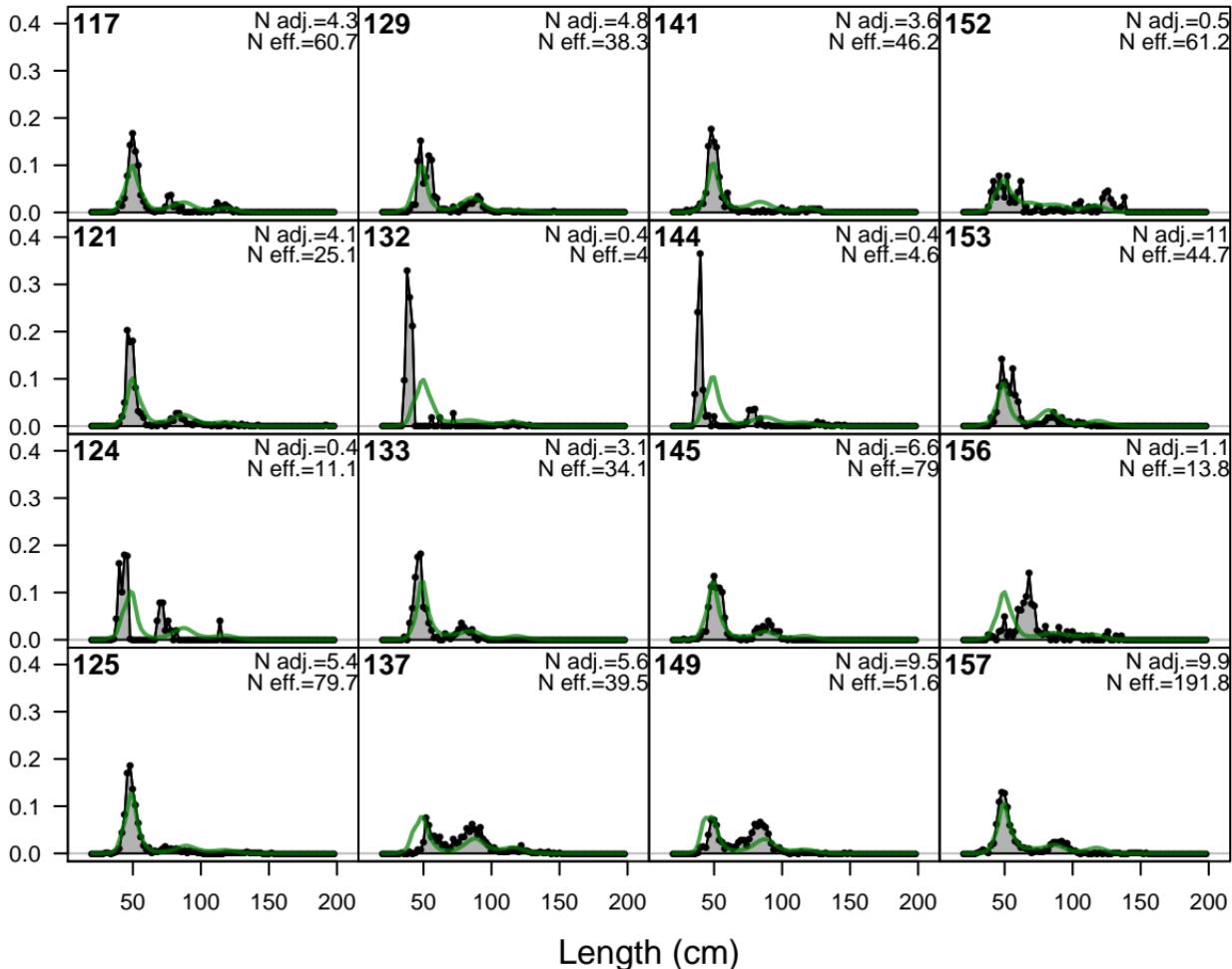
F4-OBJ_Cc_Q14 (whole catch)



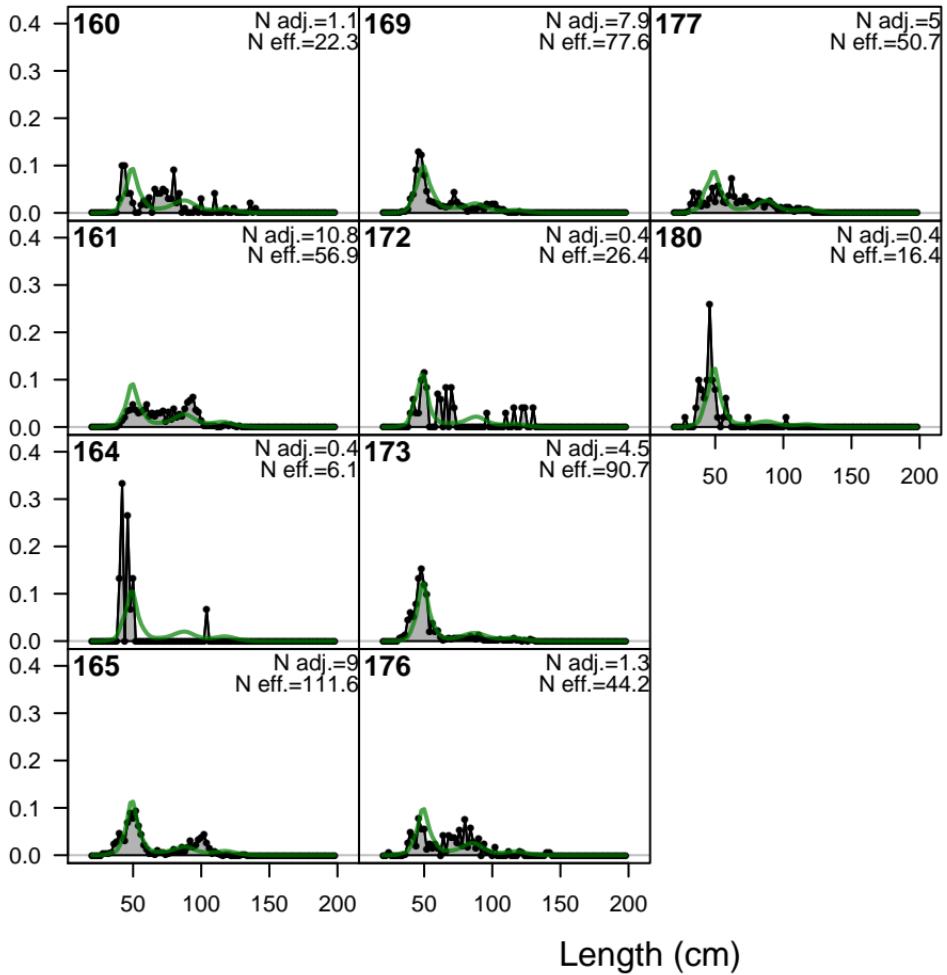
Proportion

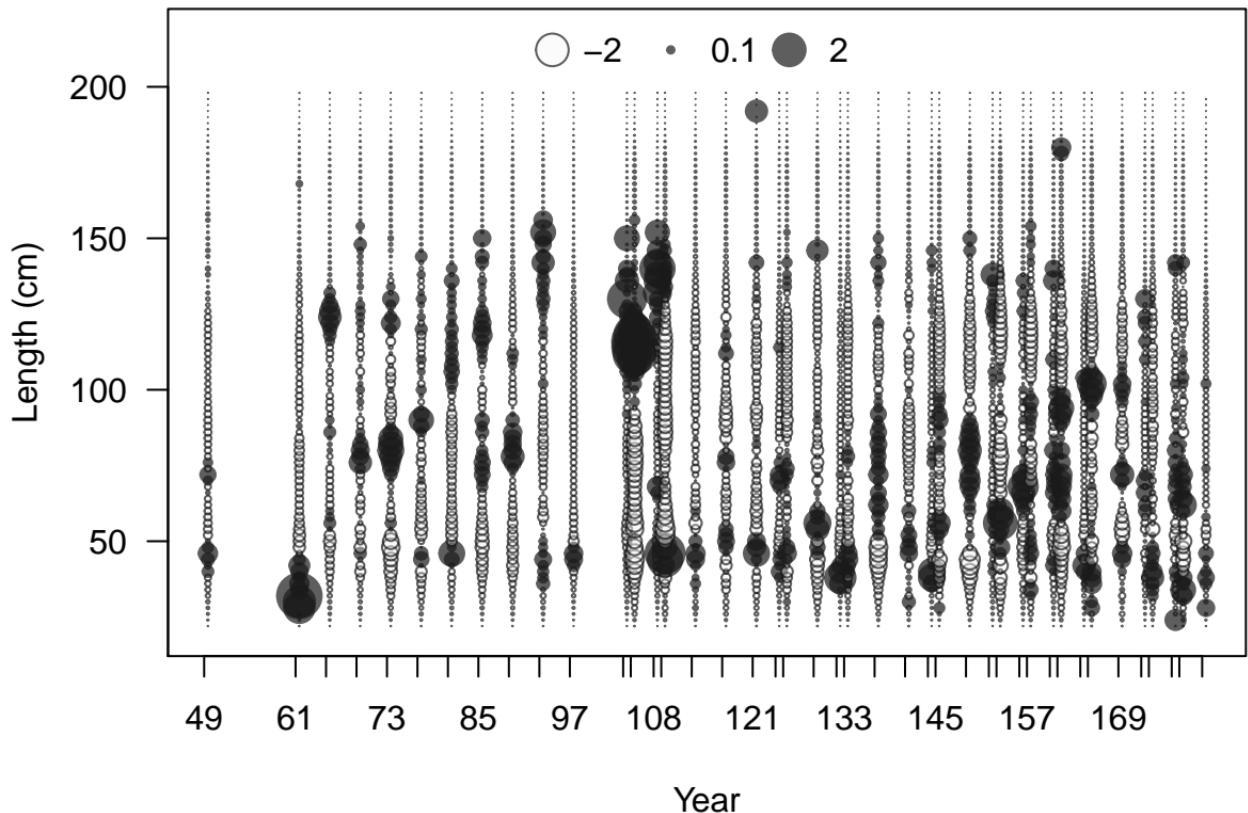


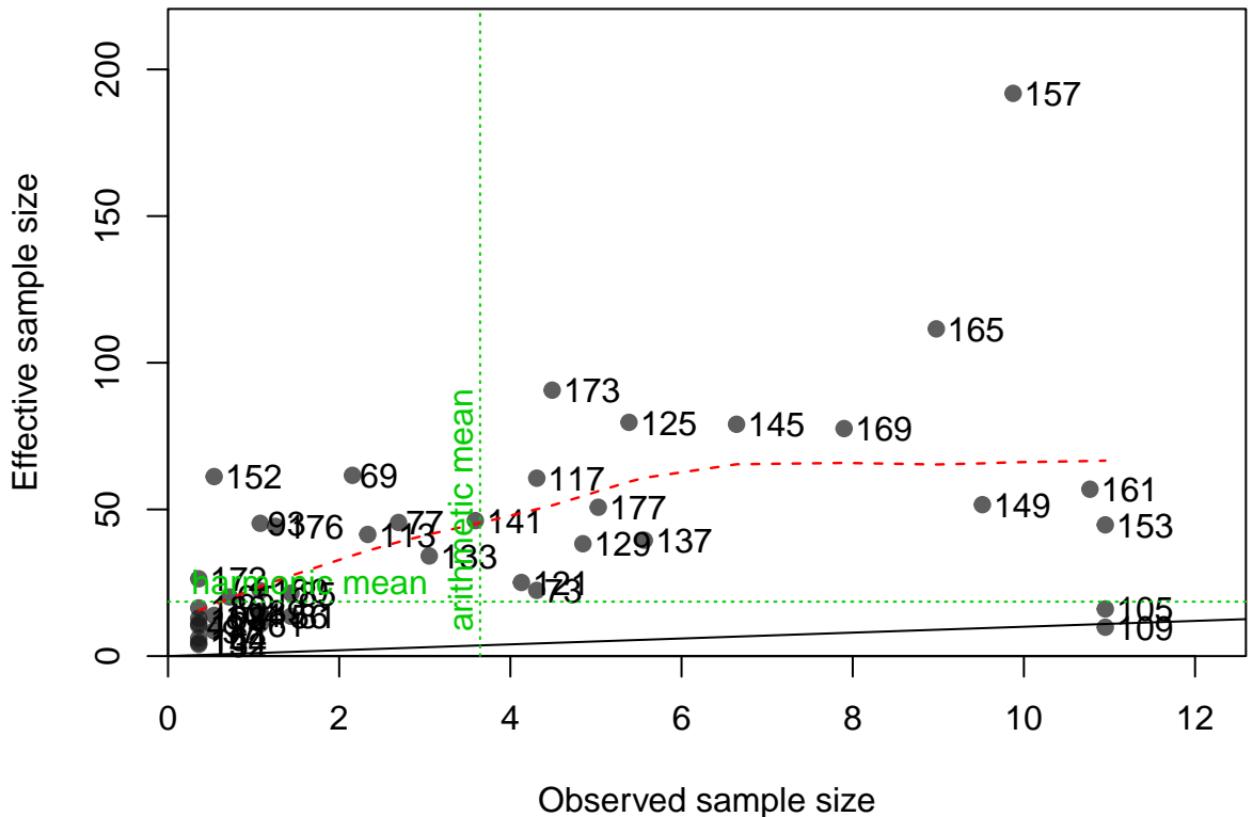
Proportion



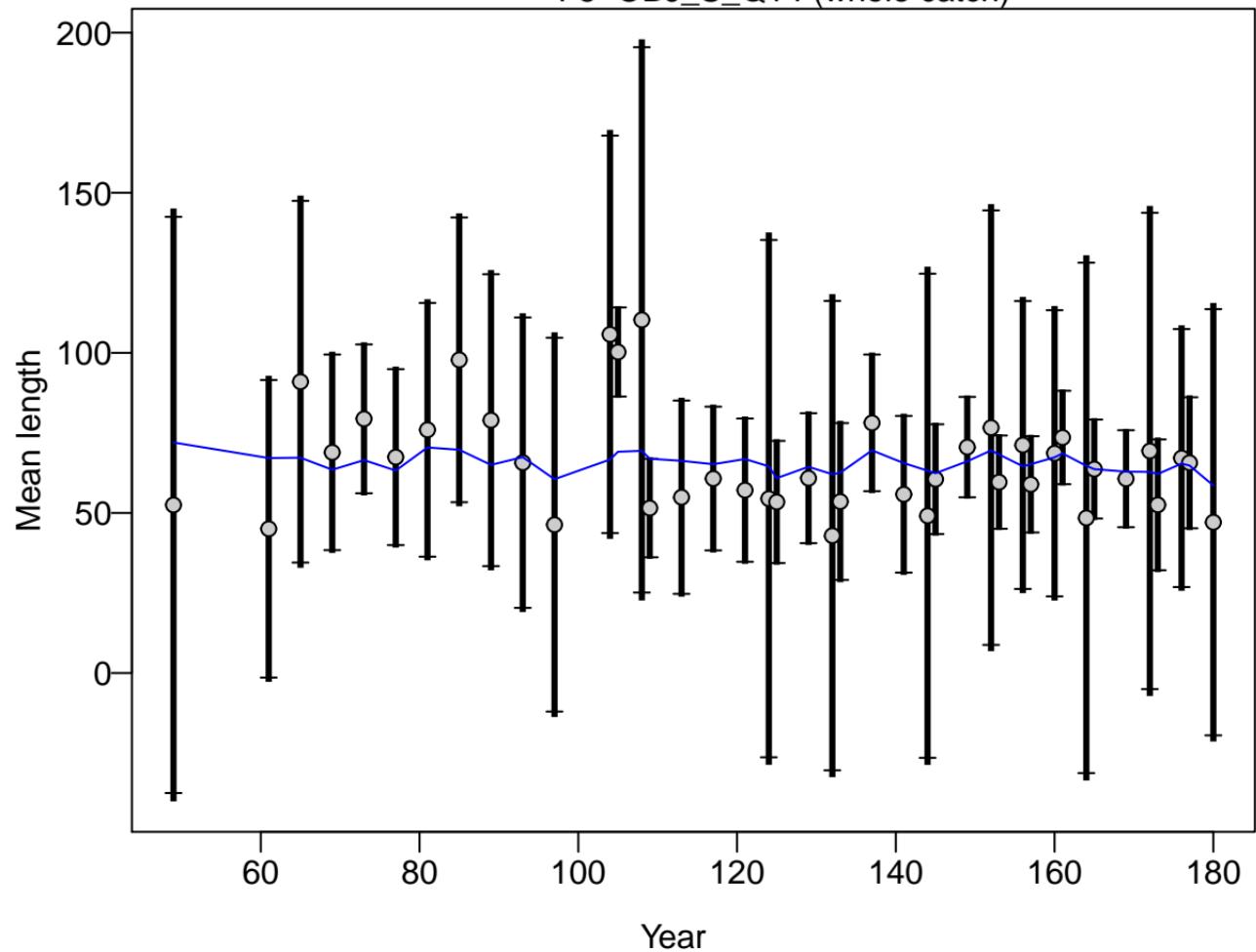
Proportion



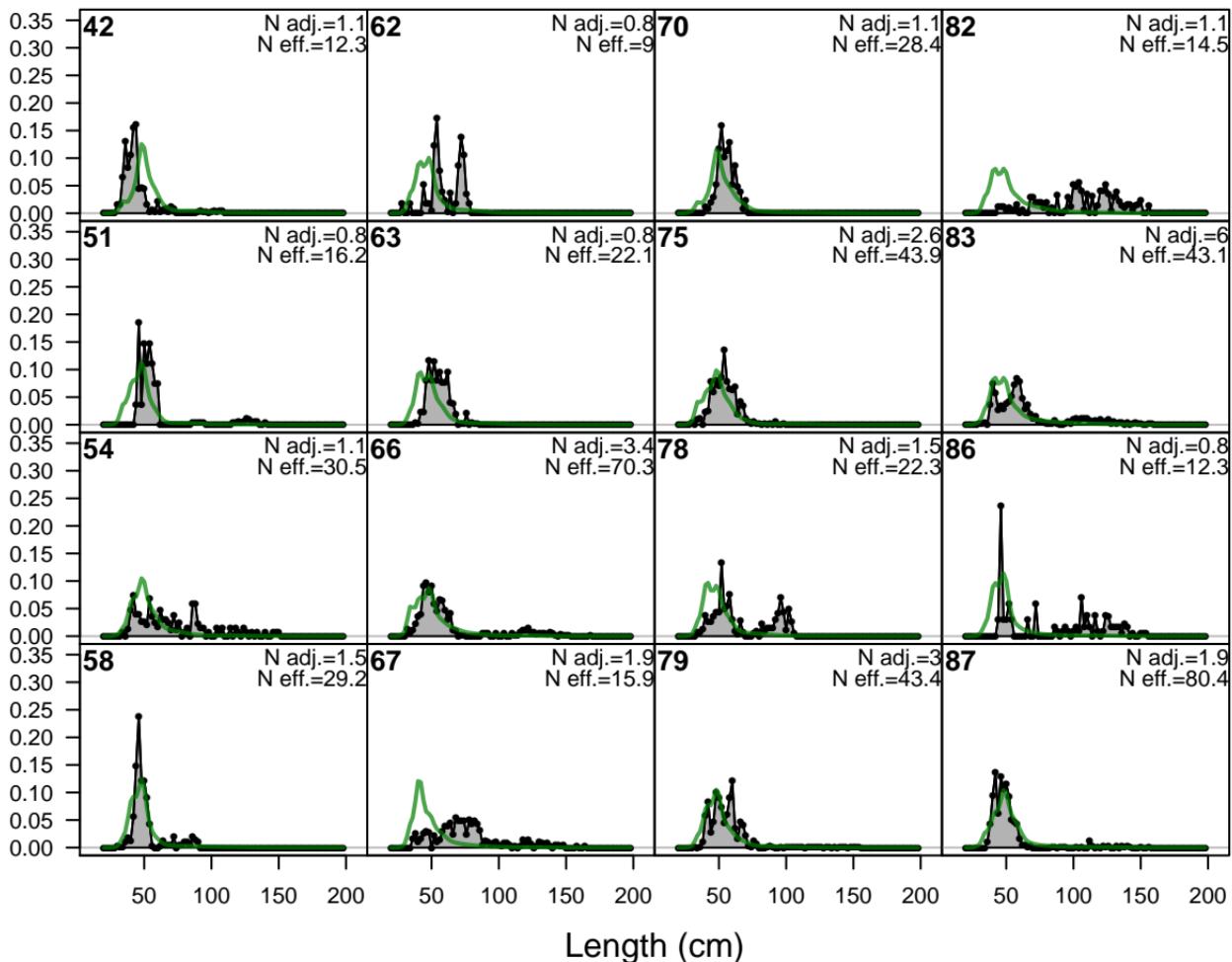




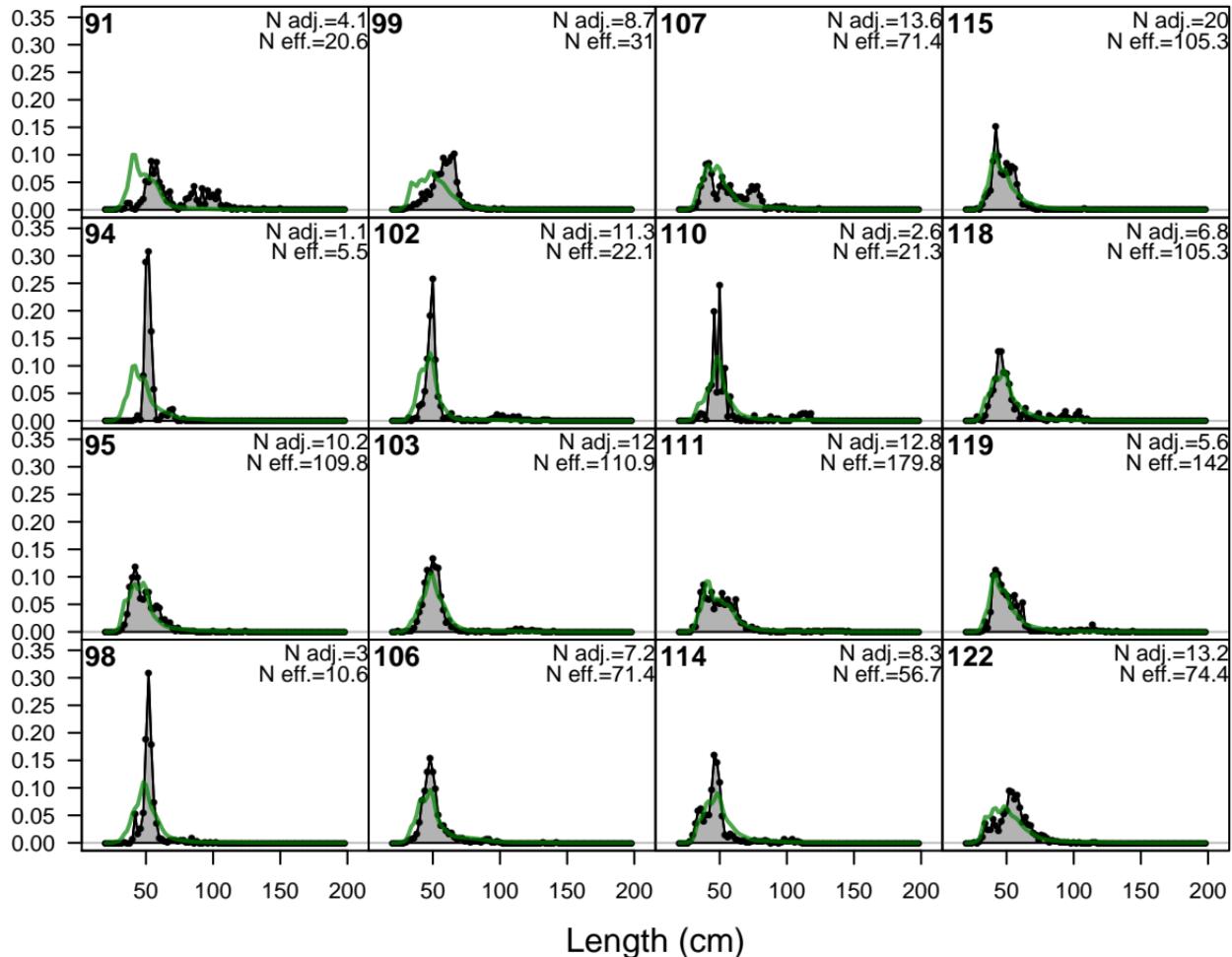
F5-OBJ_S_Q14 (whole catch)



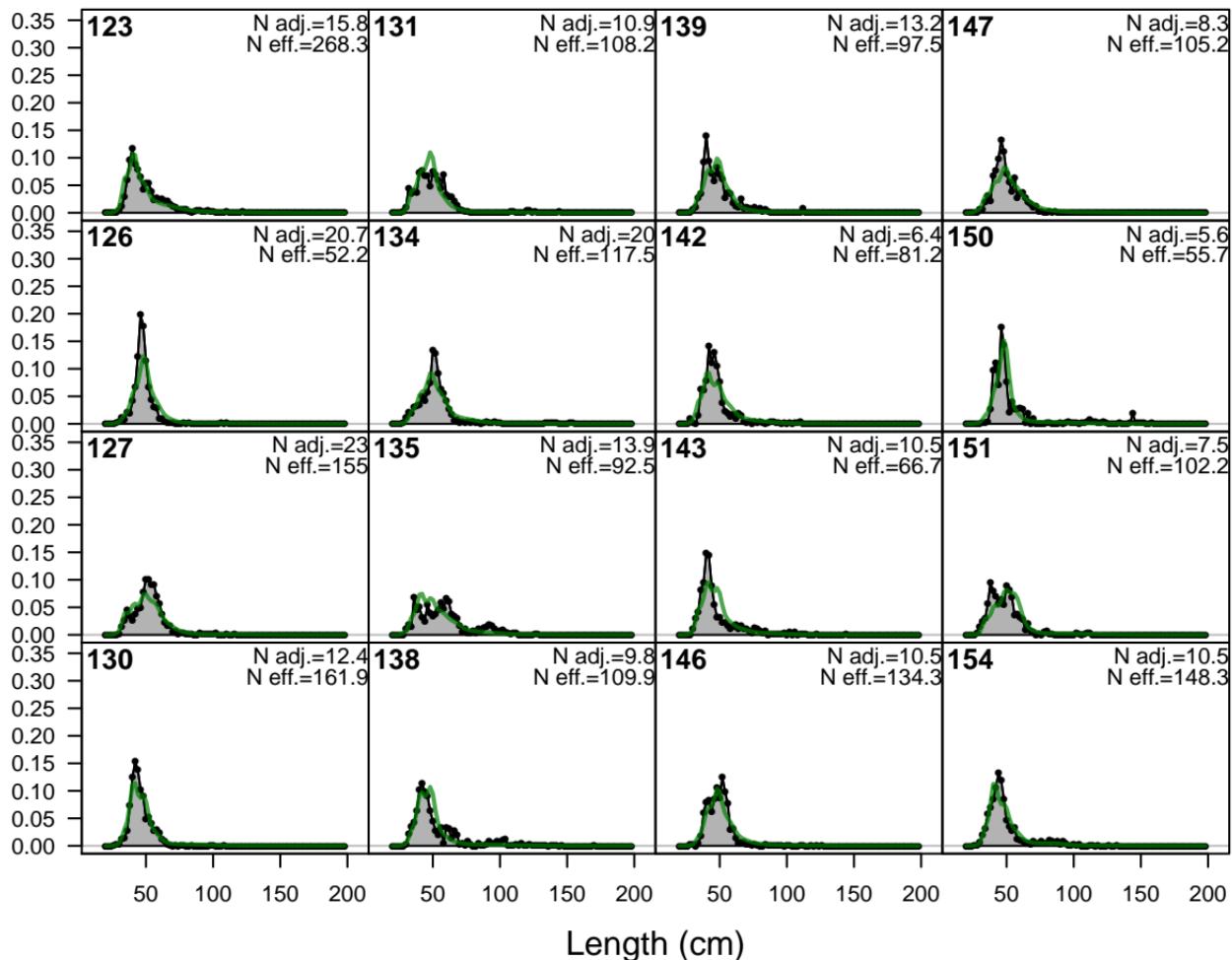
Proportion



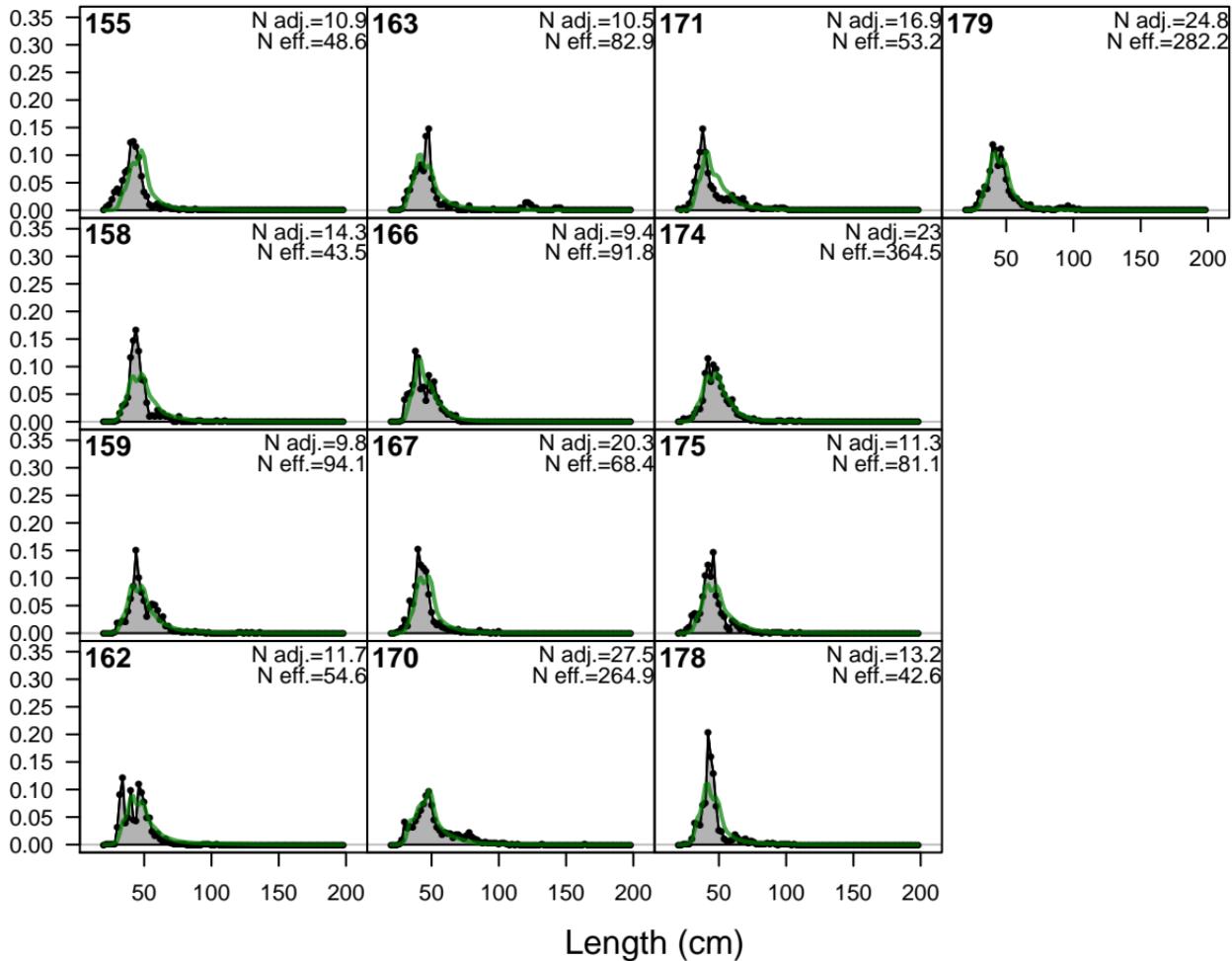
Proportion

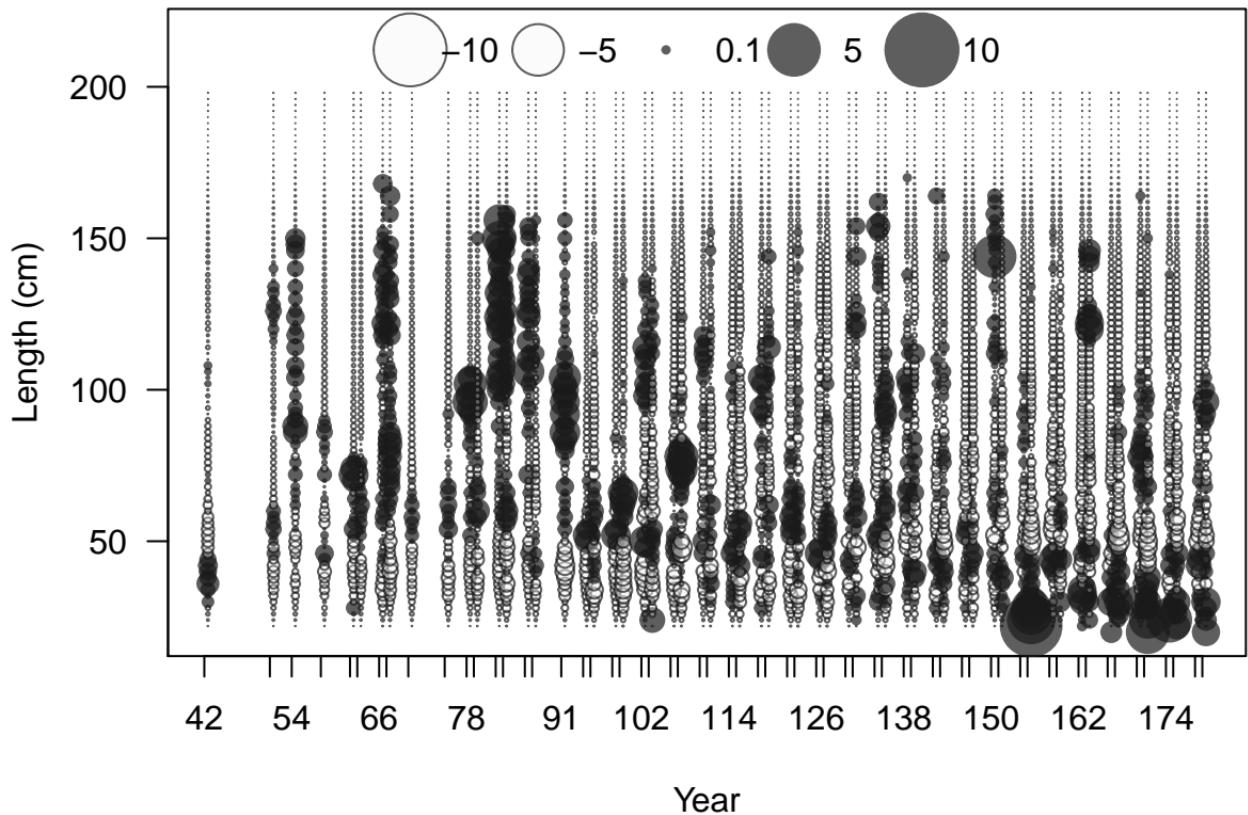


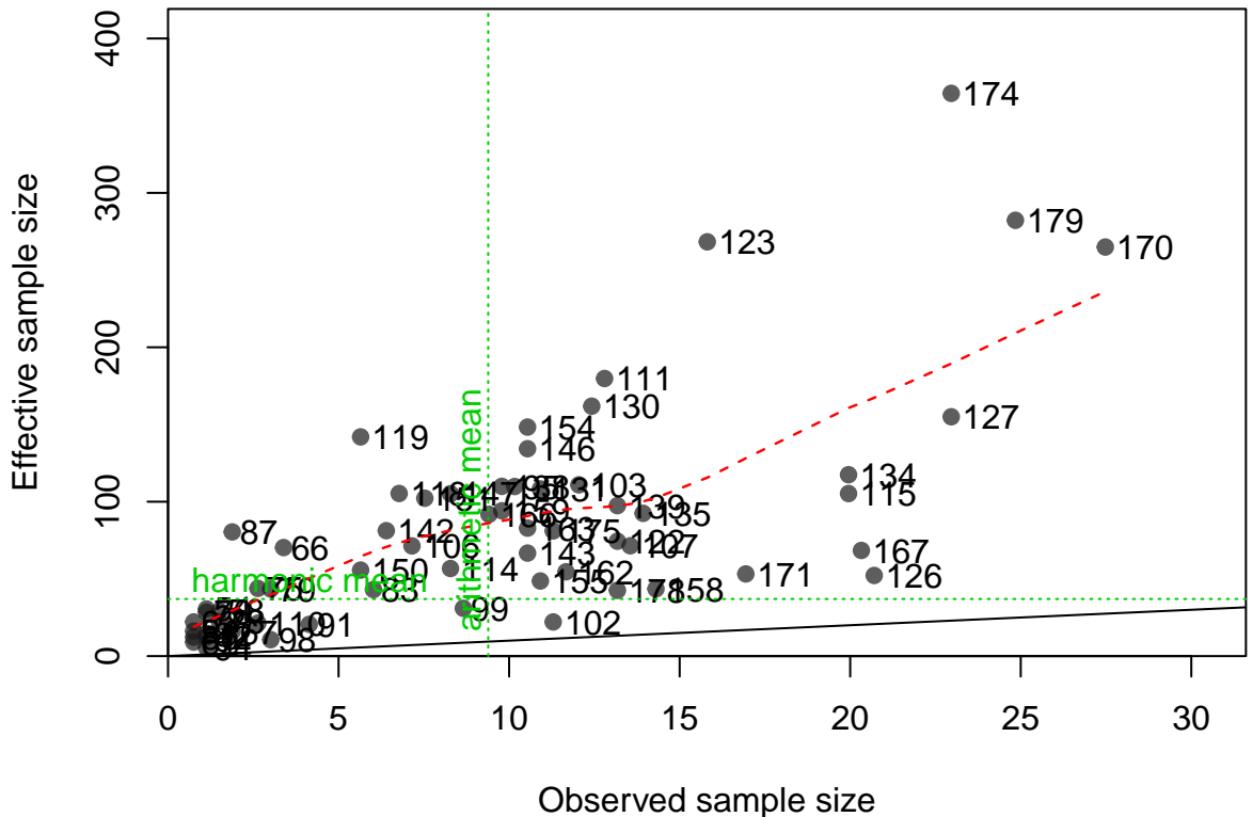
Proportion



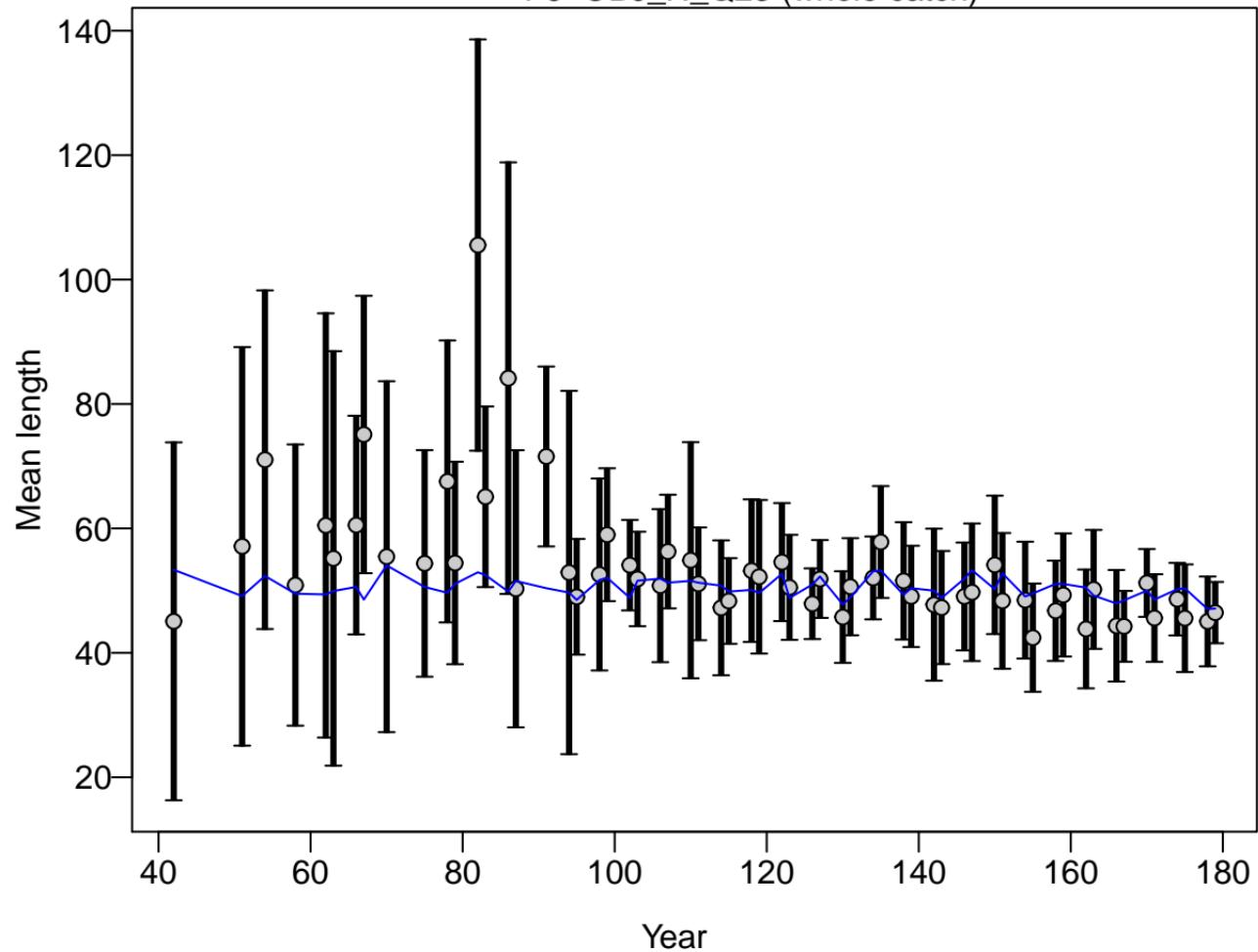
Proportion



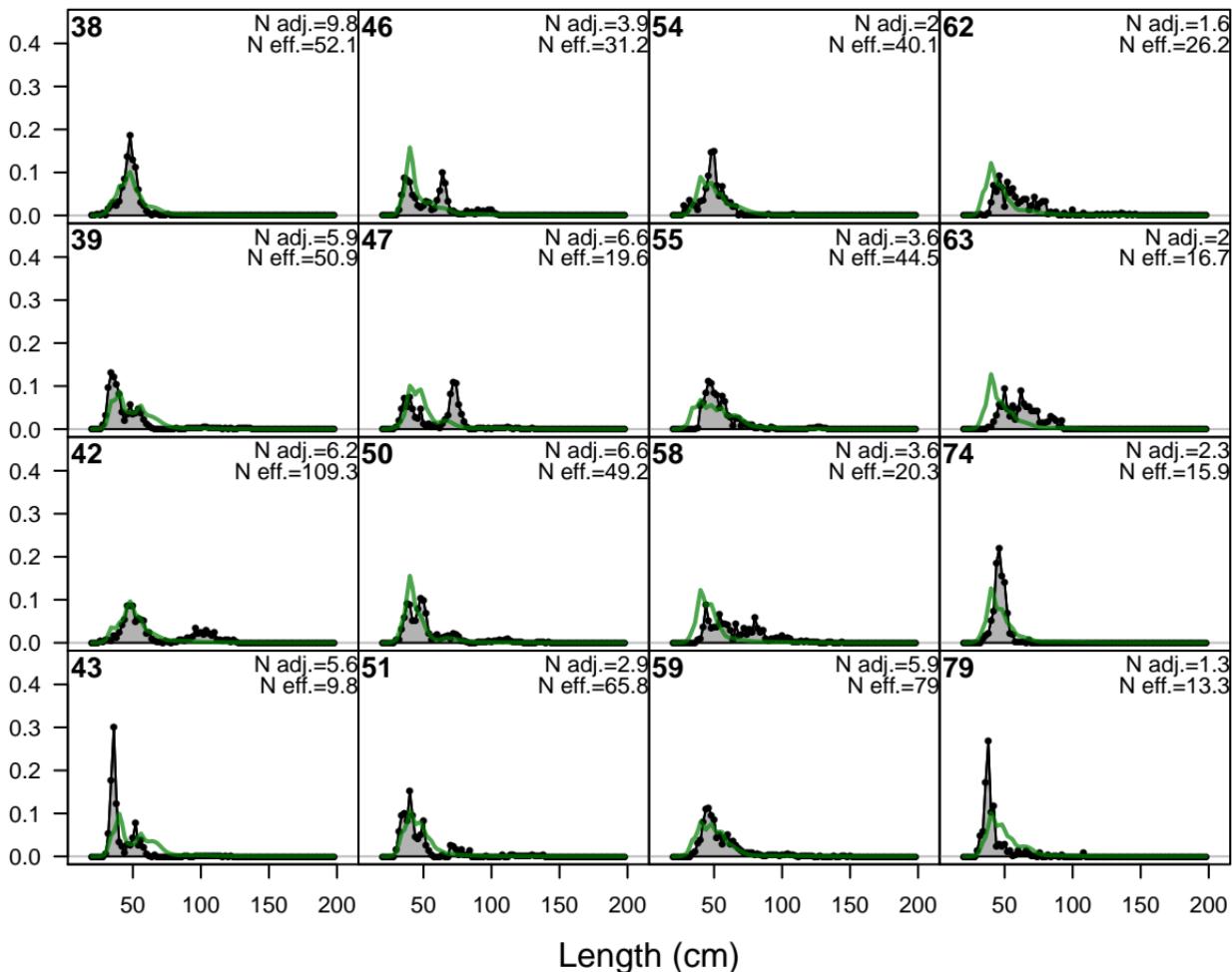




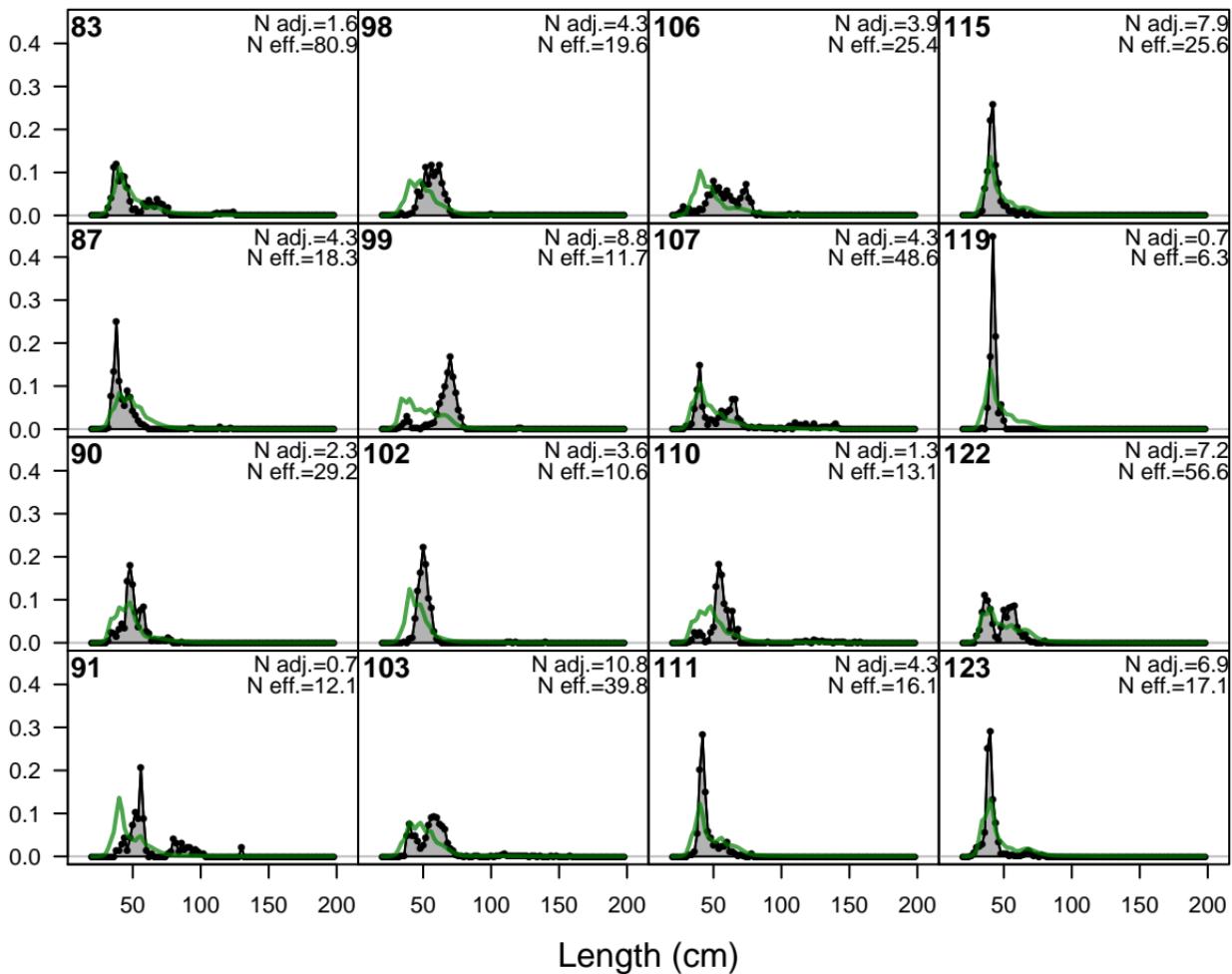
F6-OBJ_N_Q23 (whole catch)



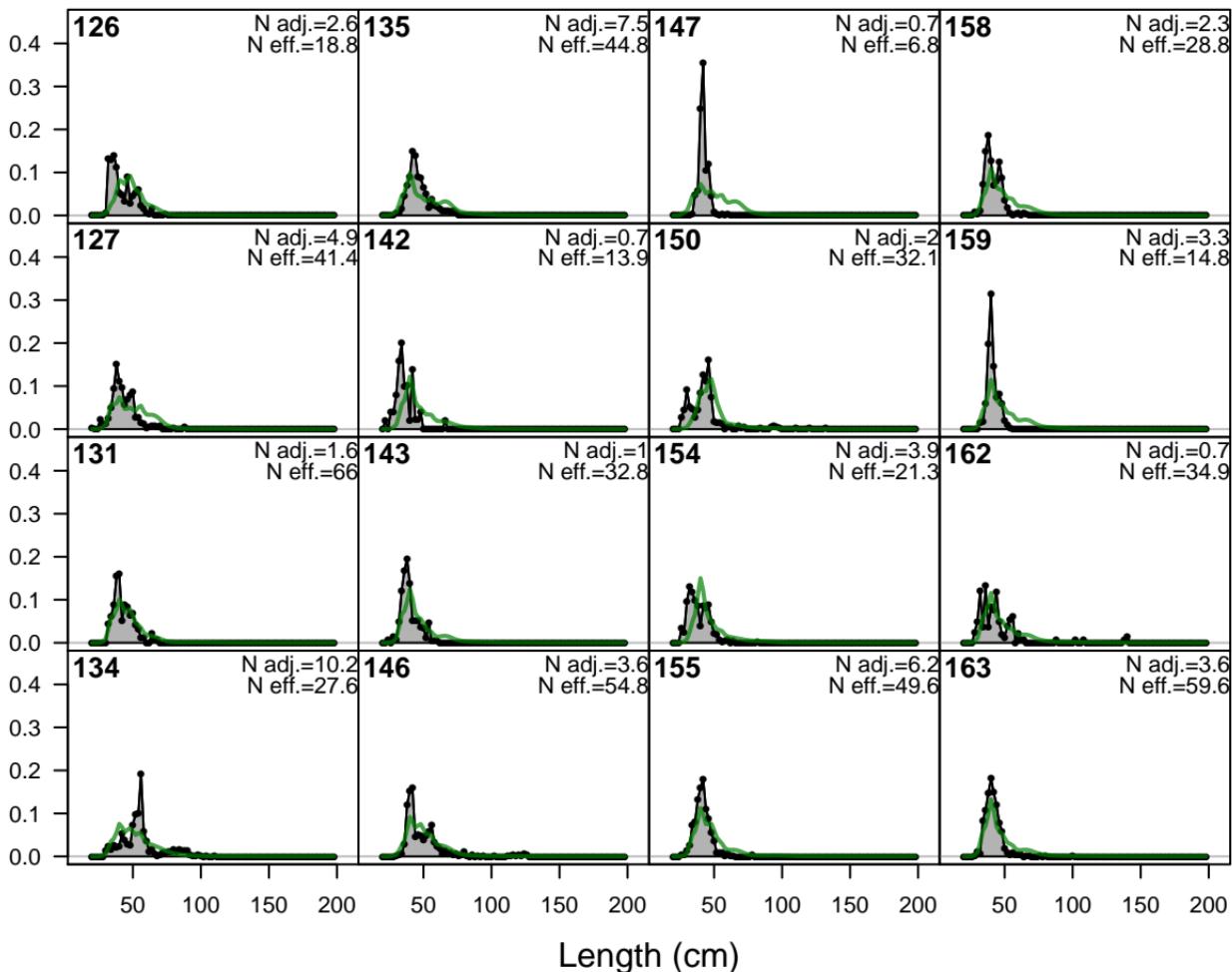
Proportion



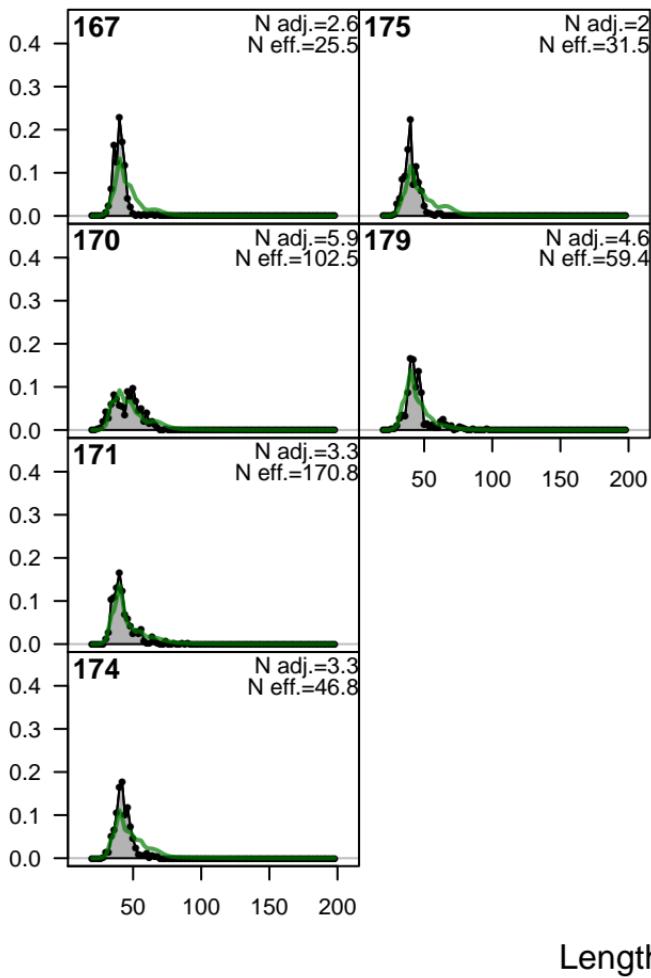
Proportion

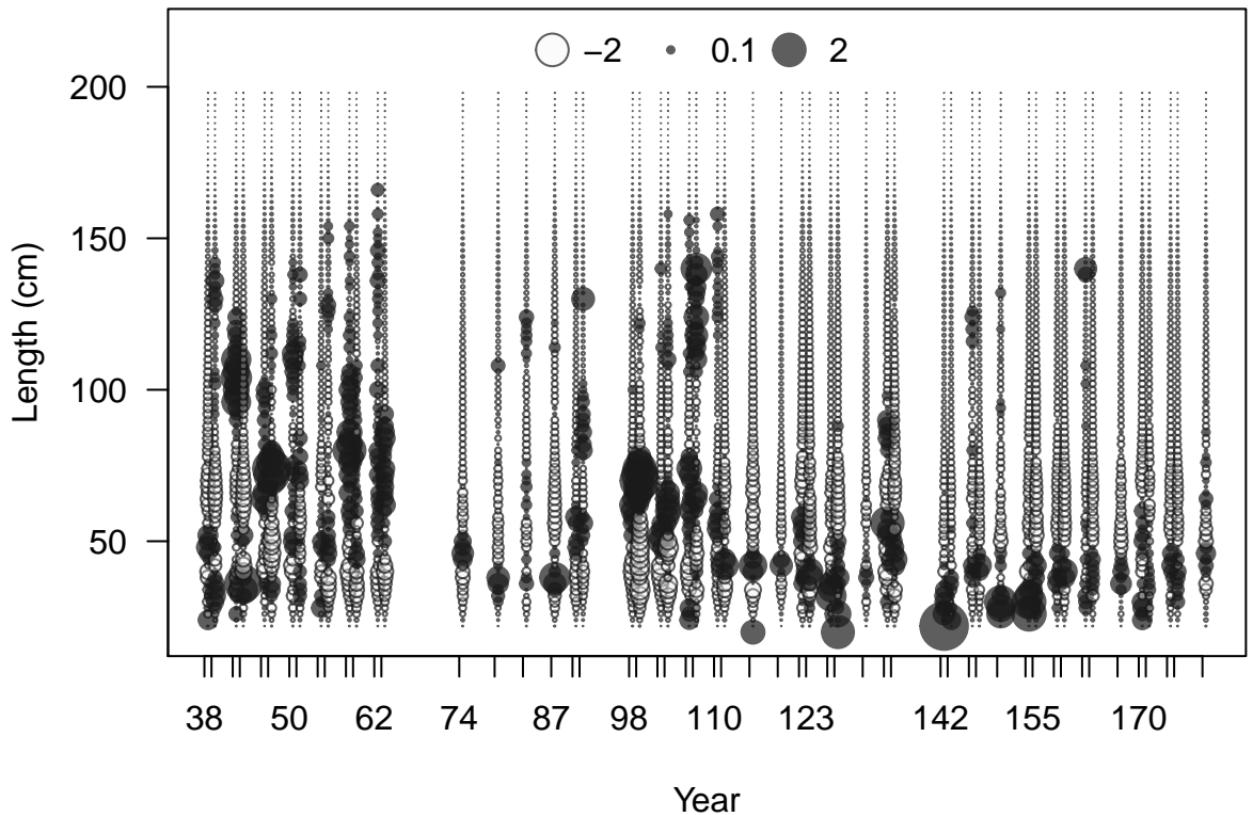


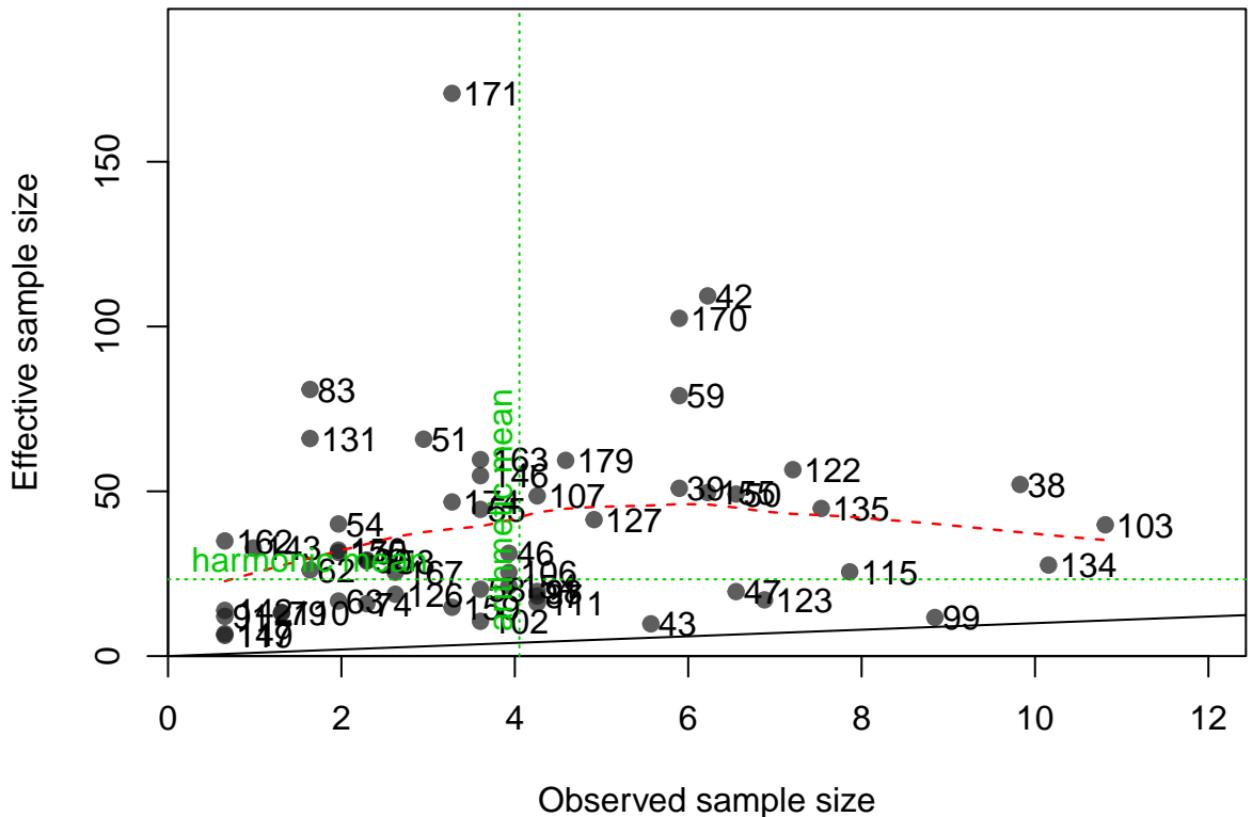
Proportion



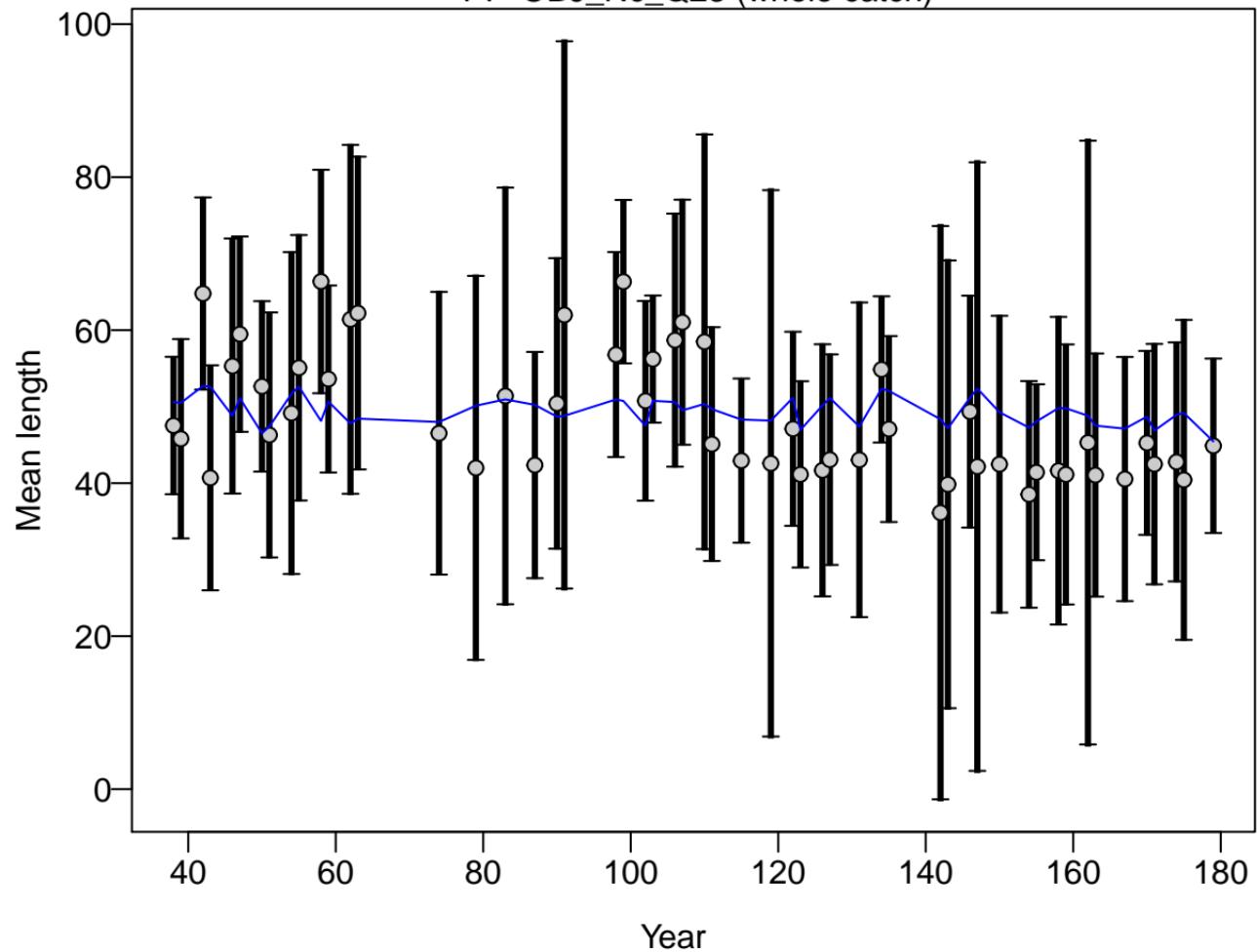
Proportion



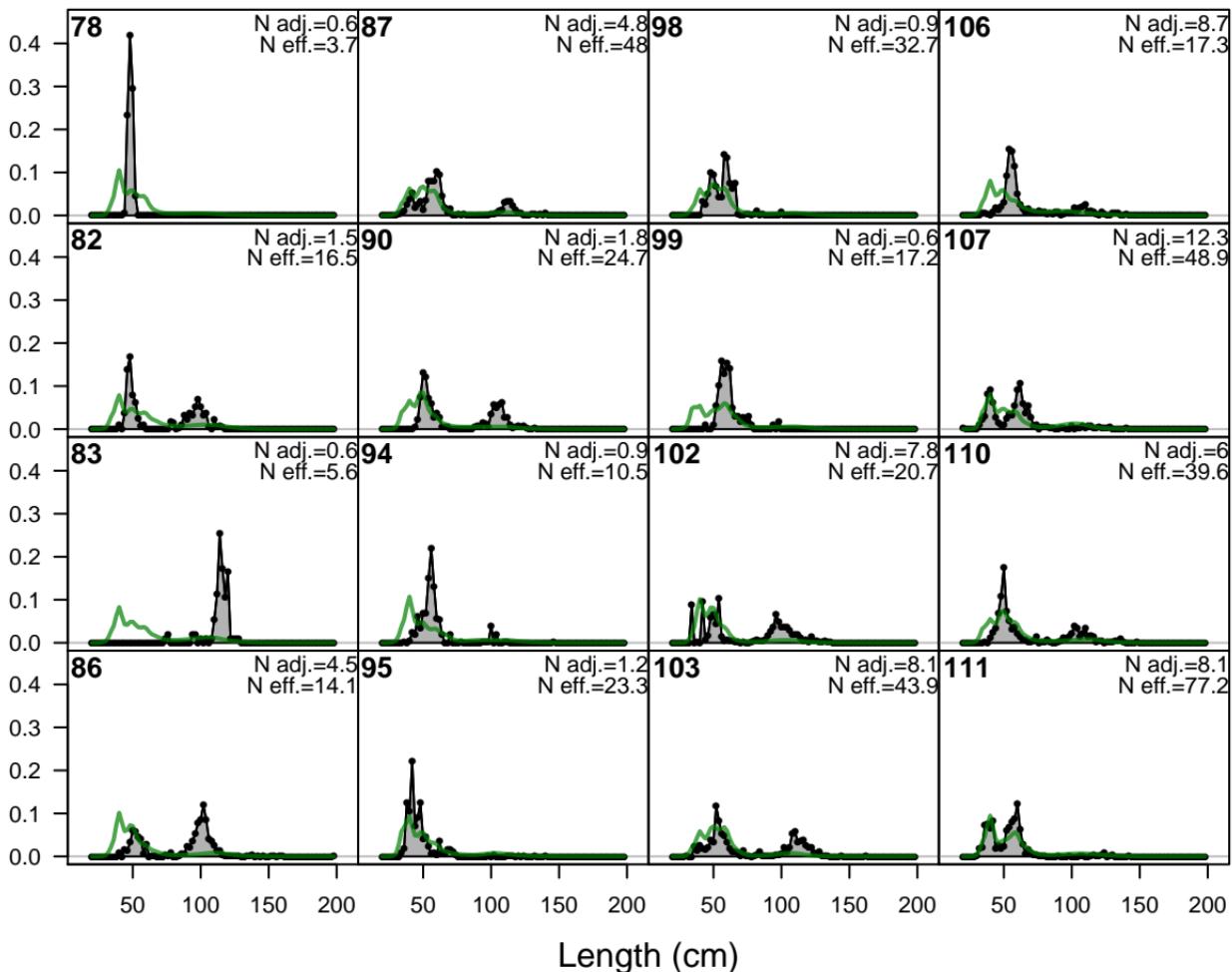




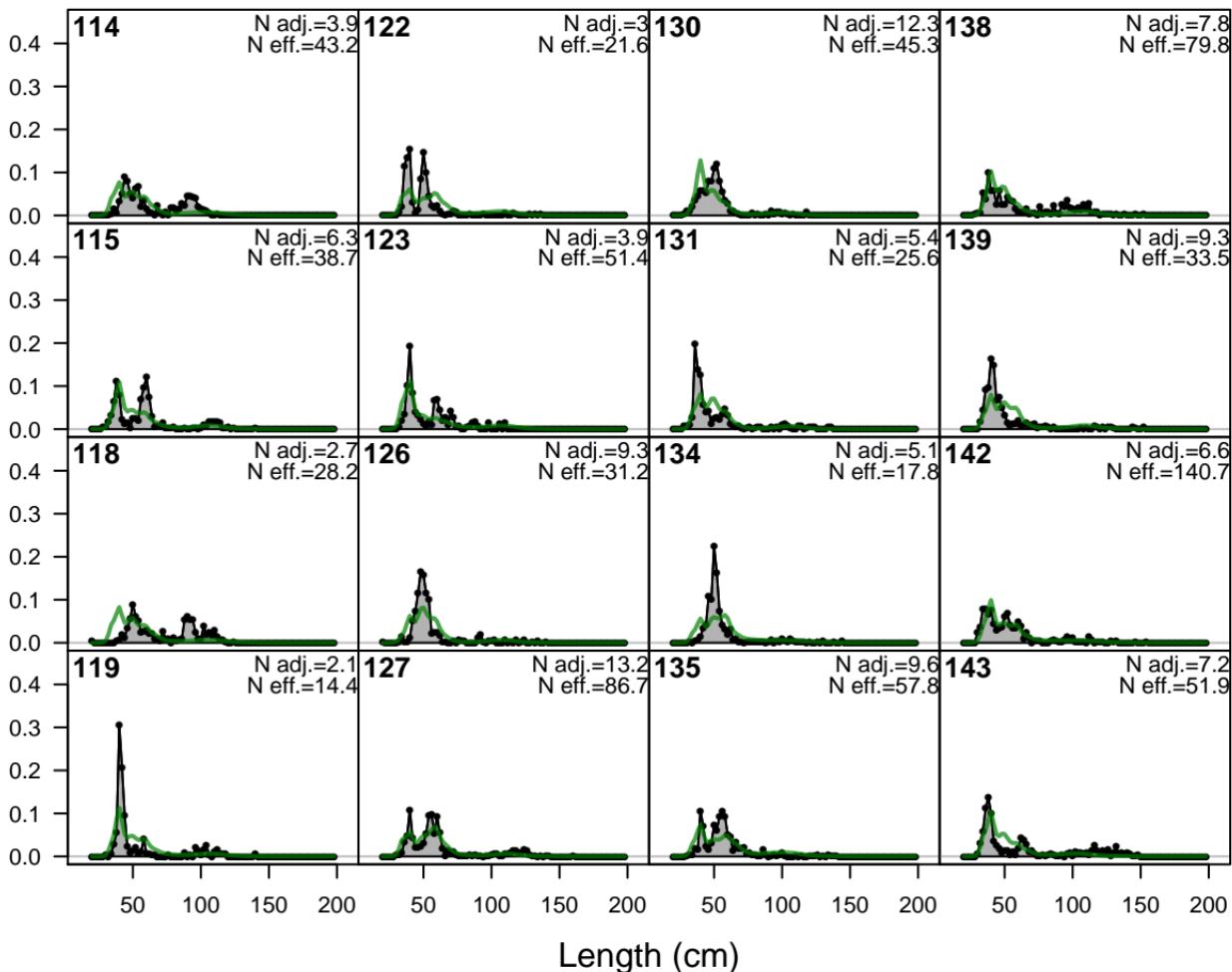
F7-OBJ_Nc_Q23 (whole catch)



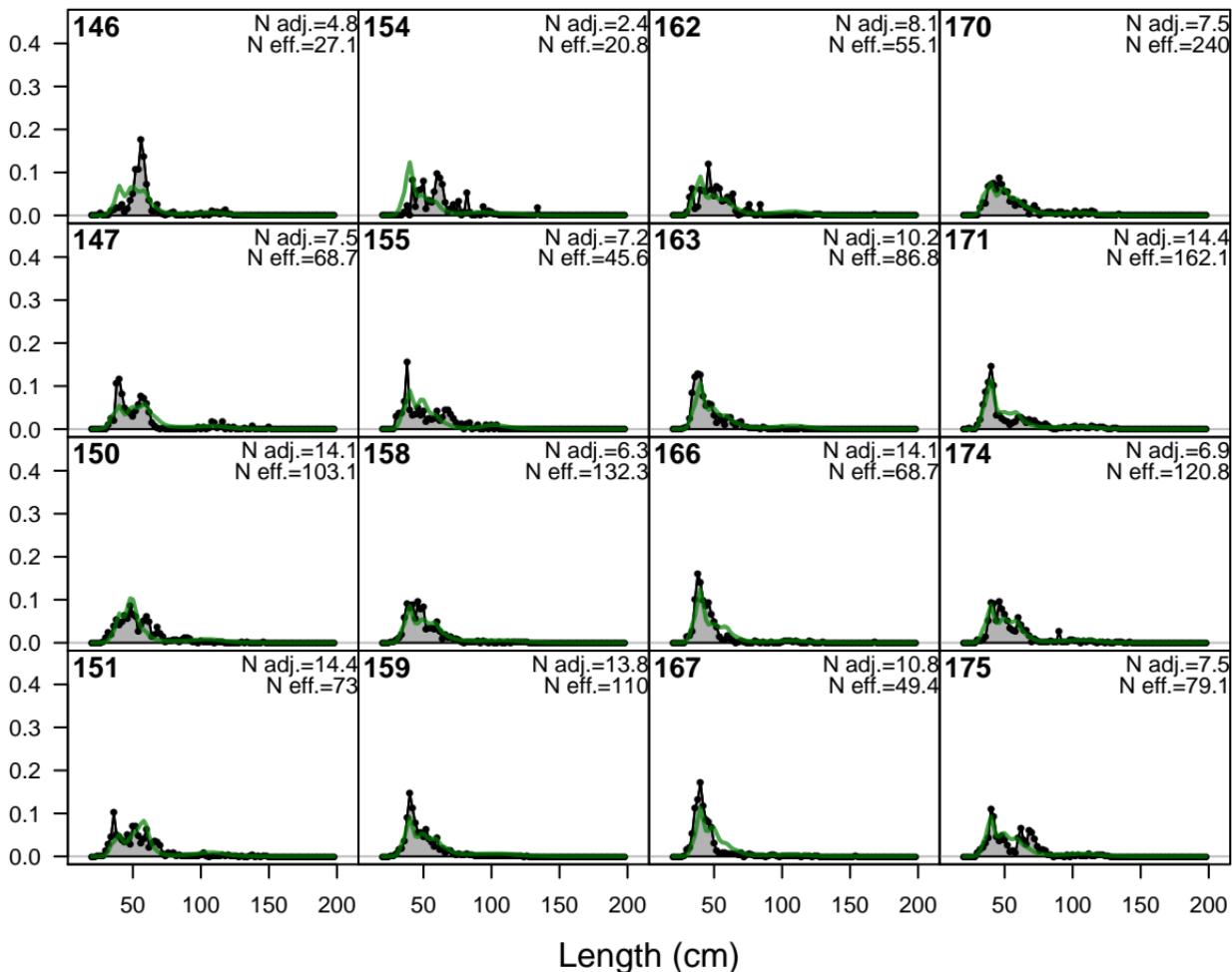
Proportion



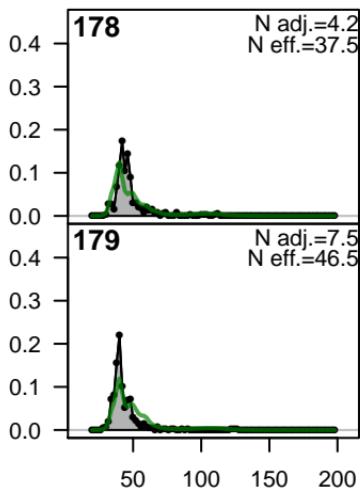
Proportion

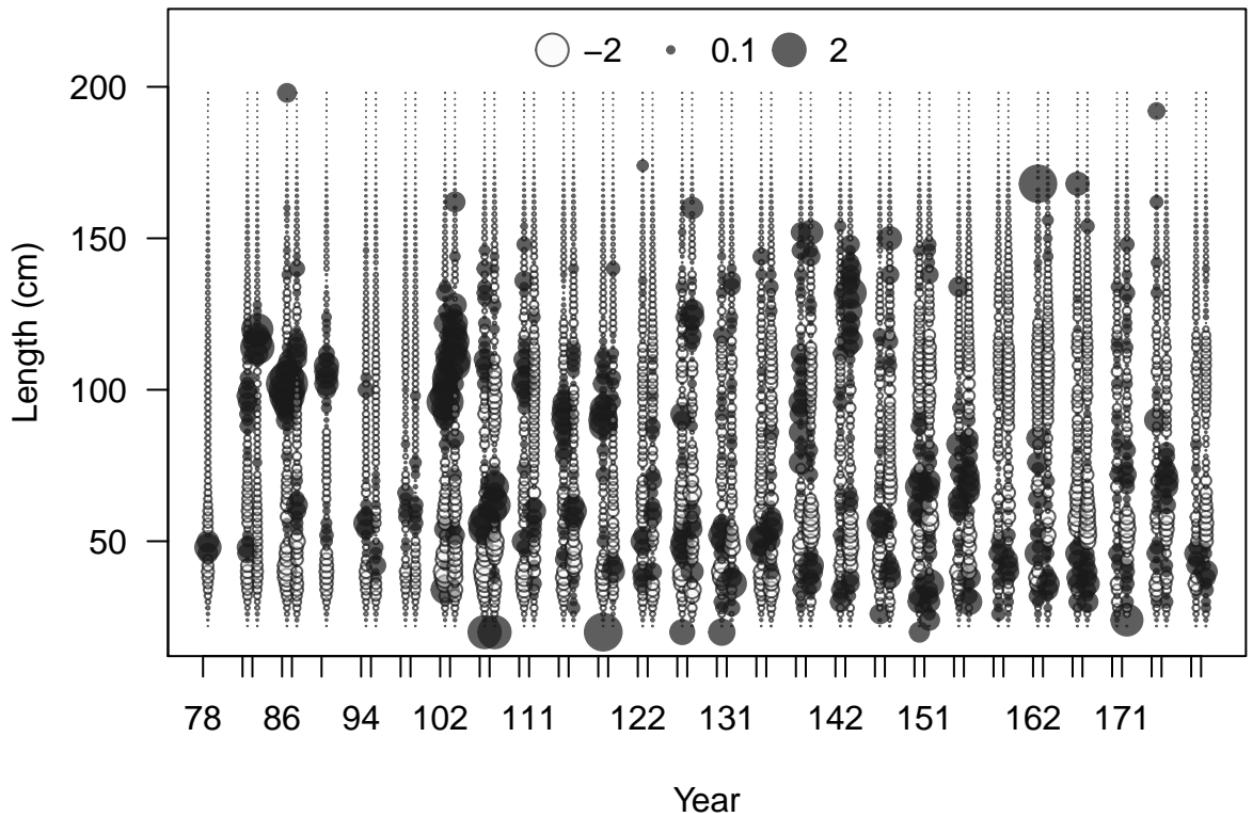


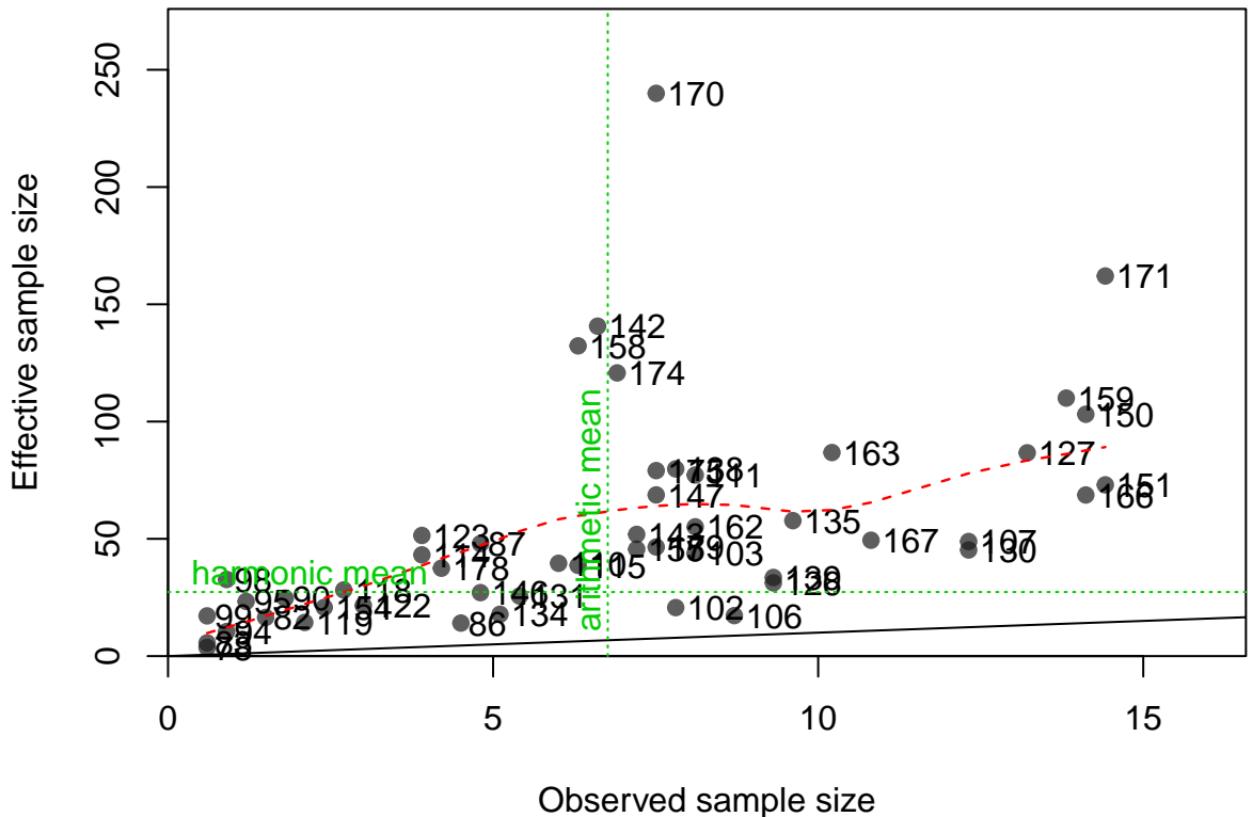
Proportion



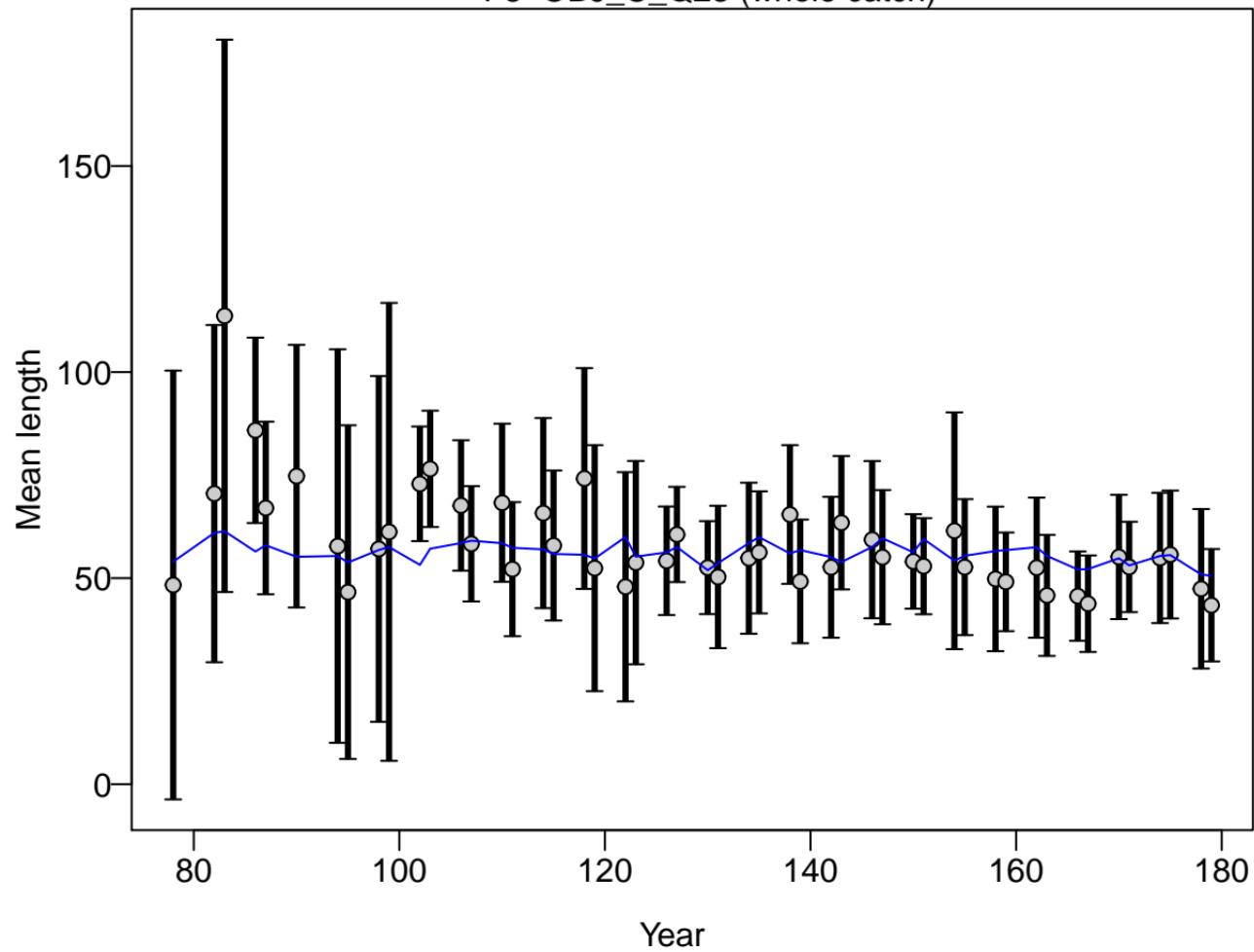
Proportion



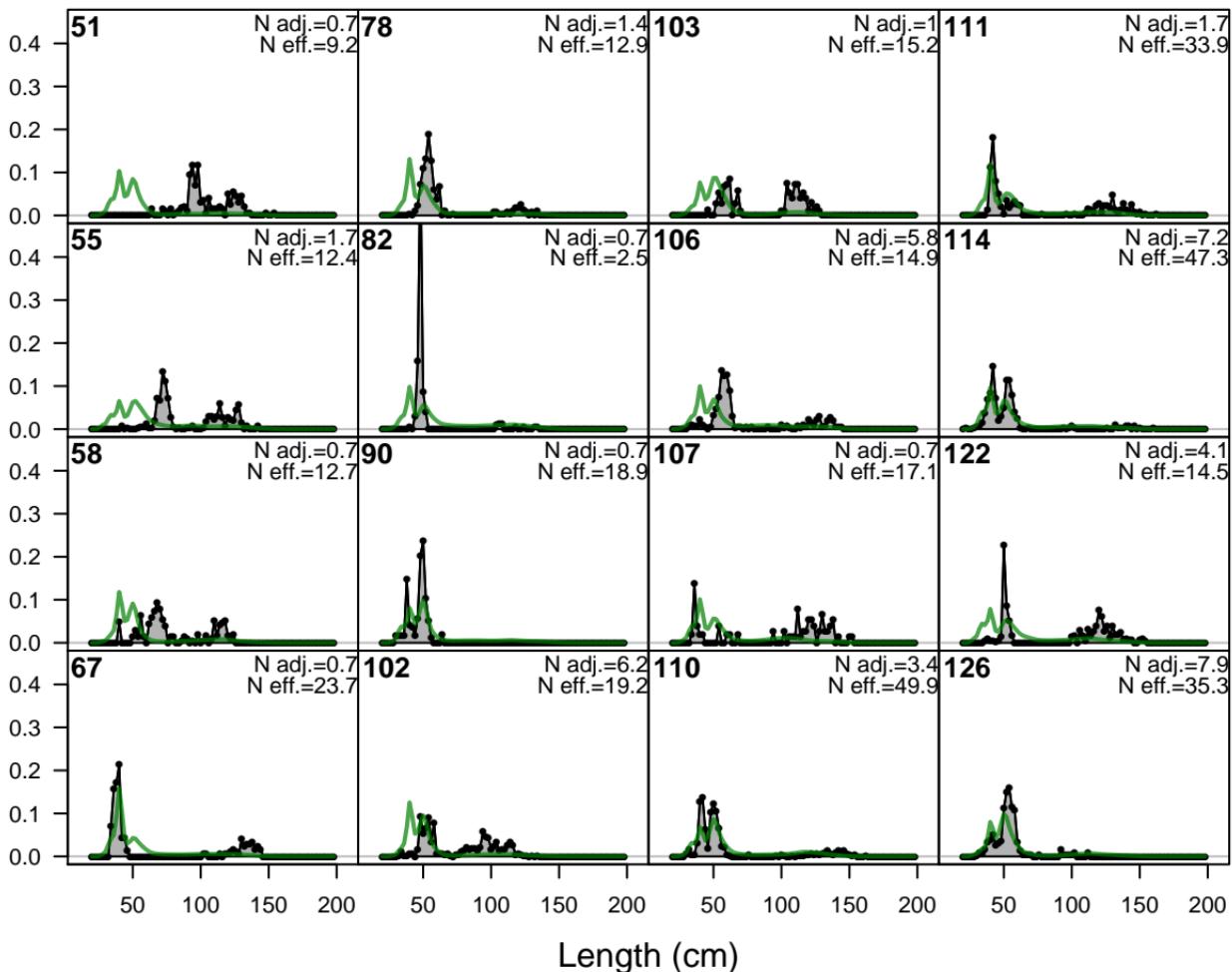




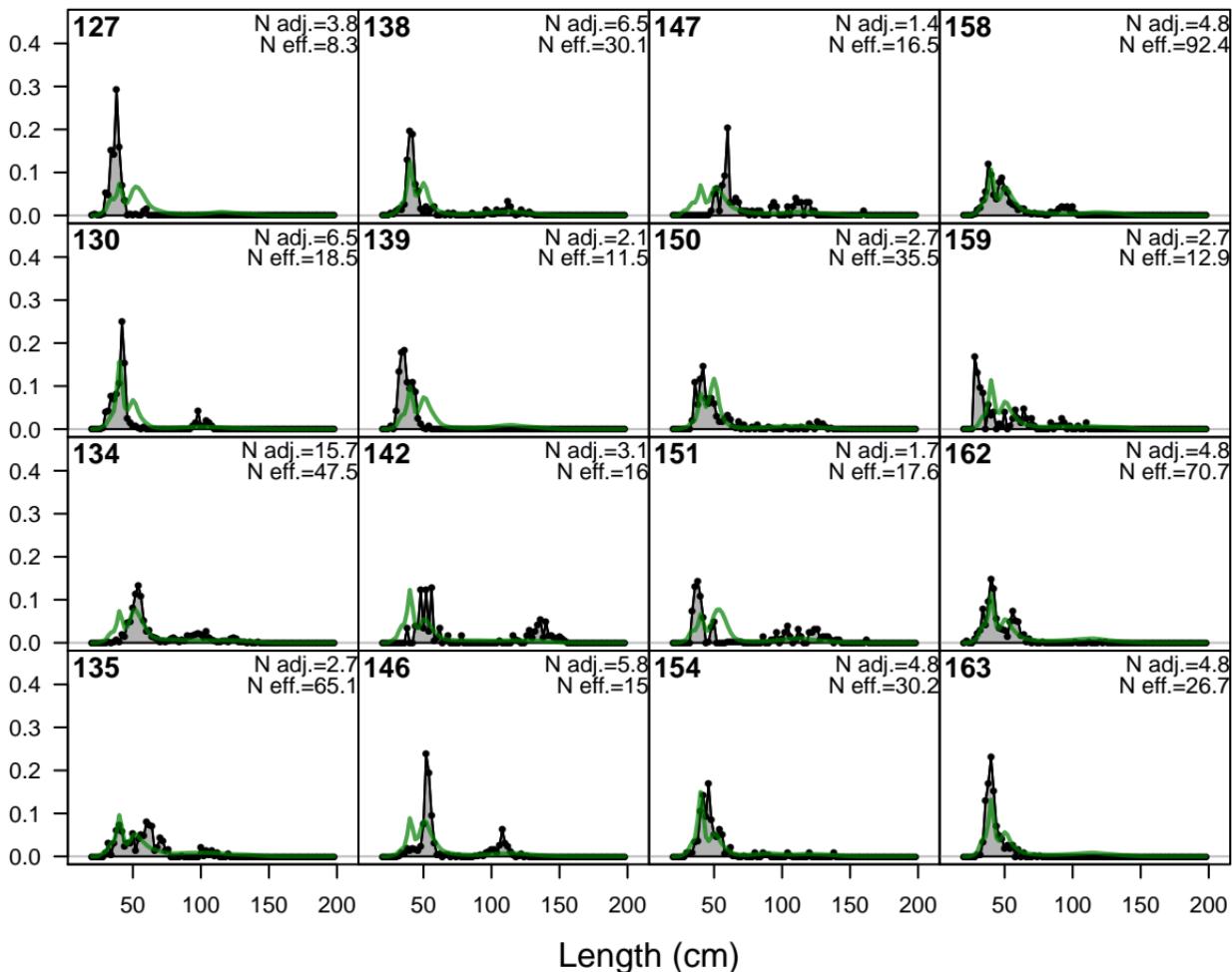
F8-OBJ_C_Q23 (whole catch)



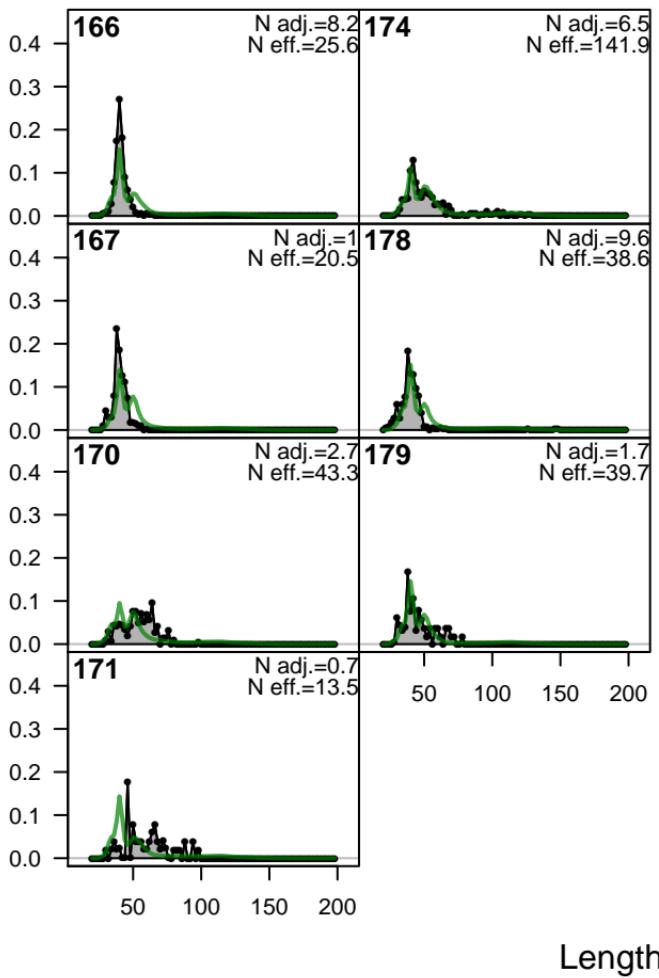
Proportion

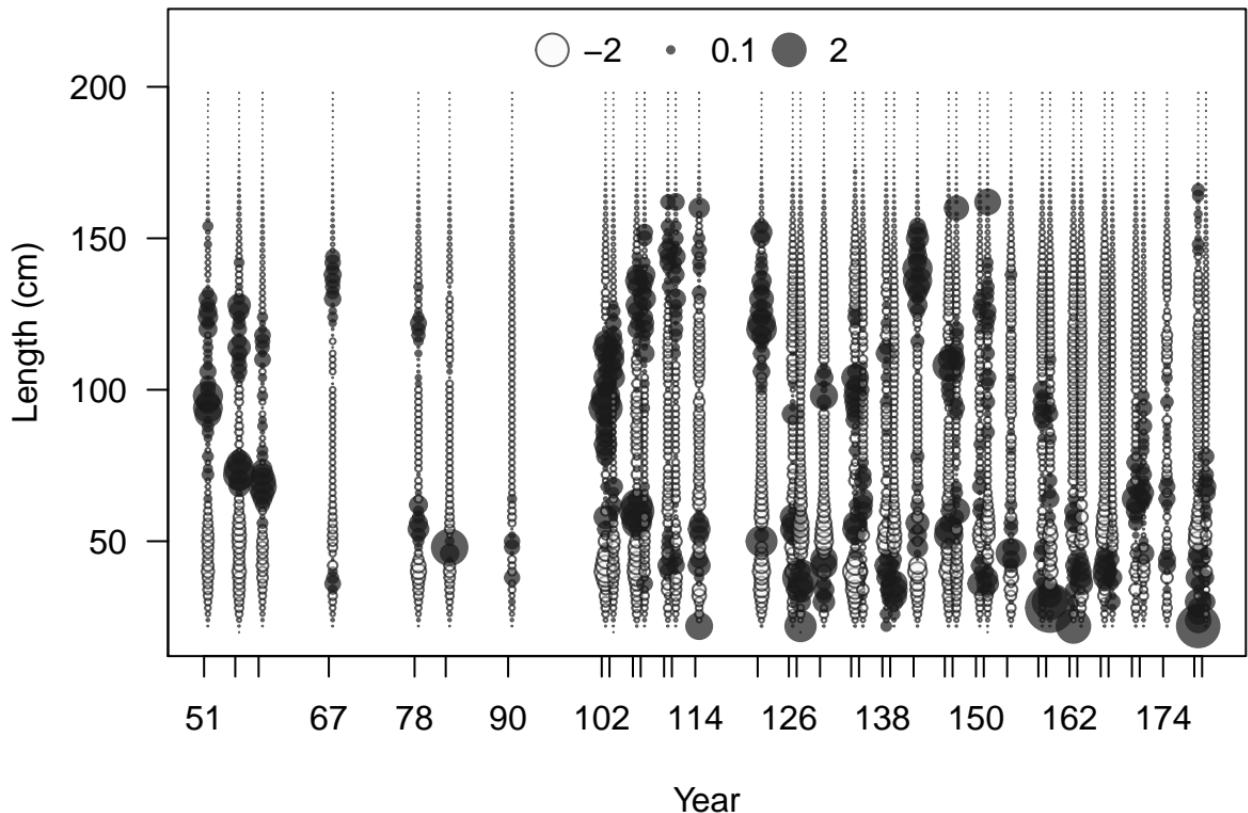


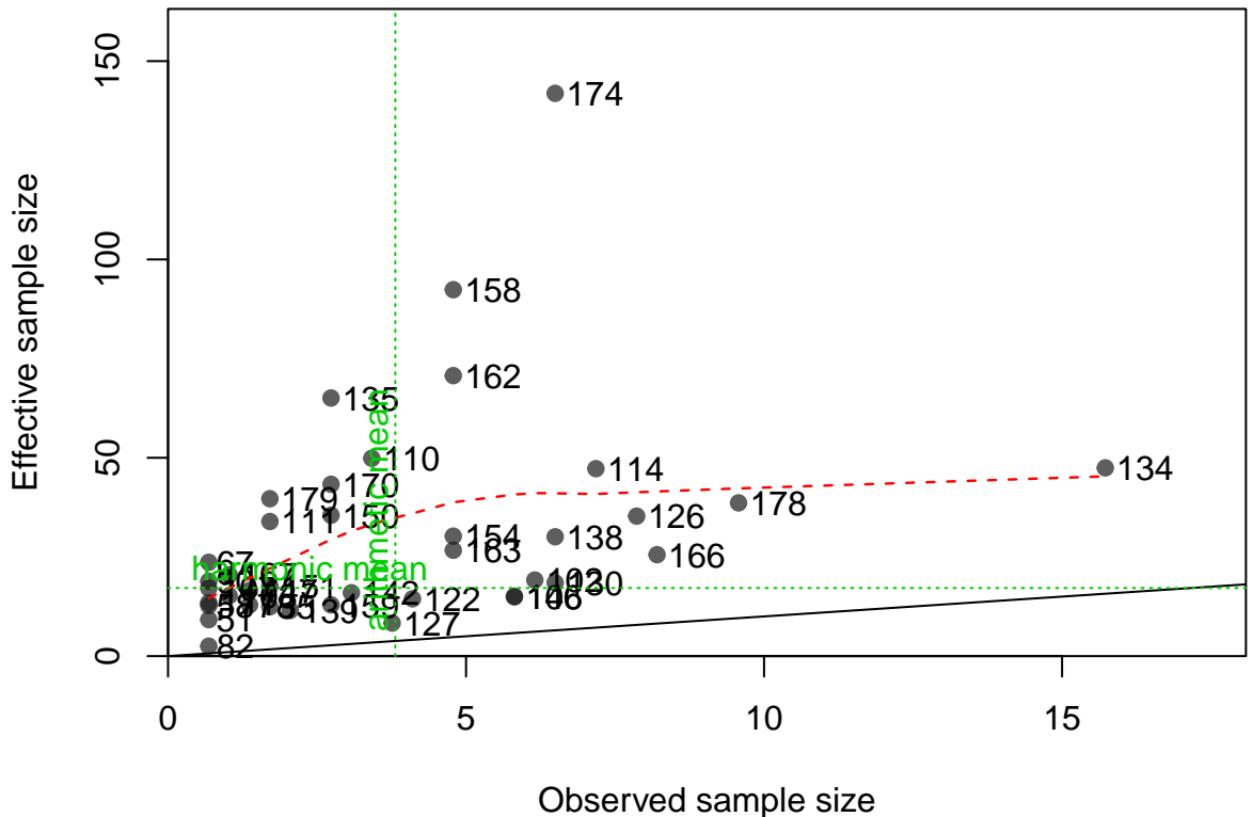
Proportion



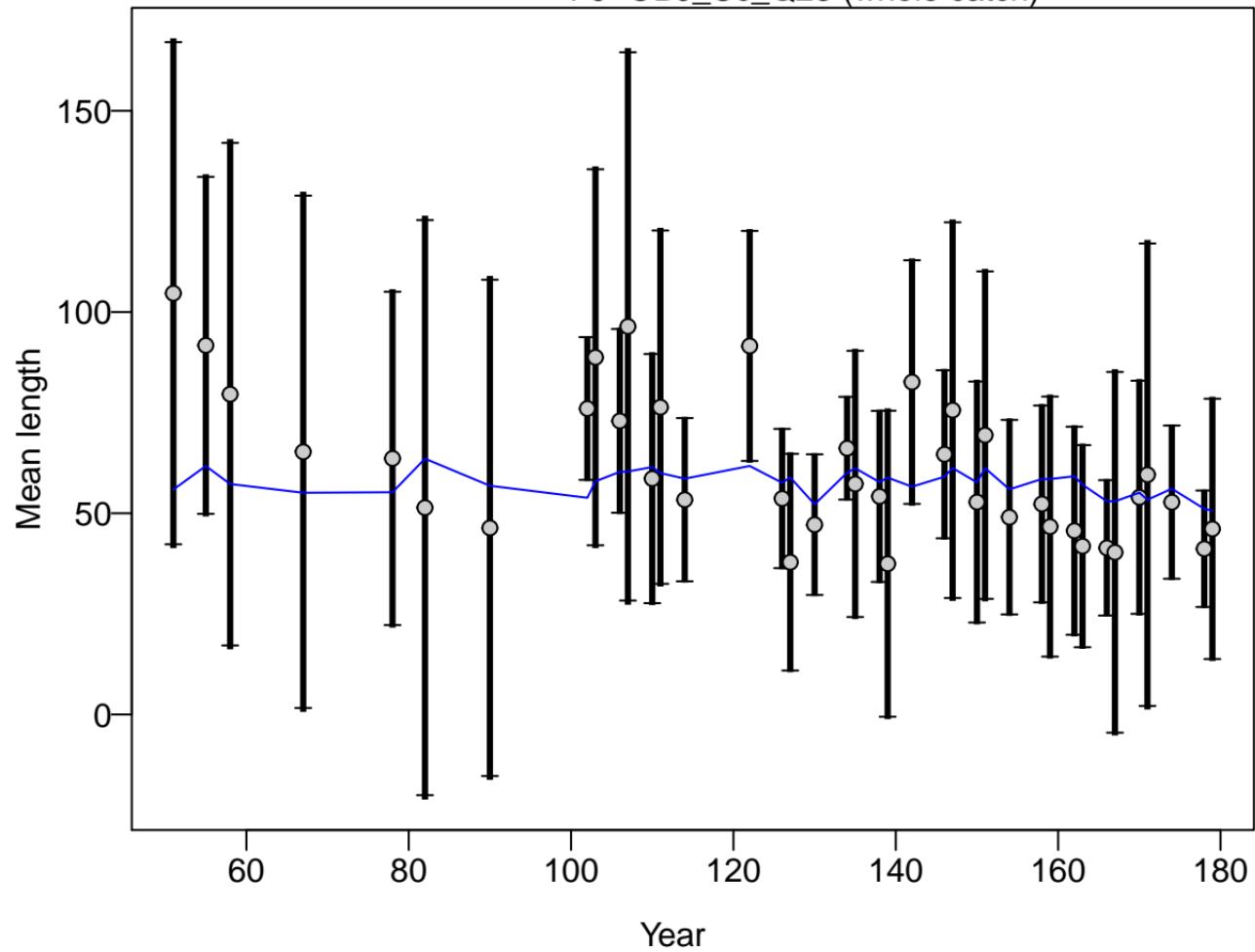
Proportion



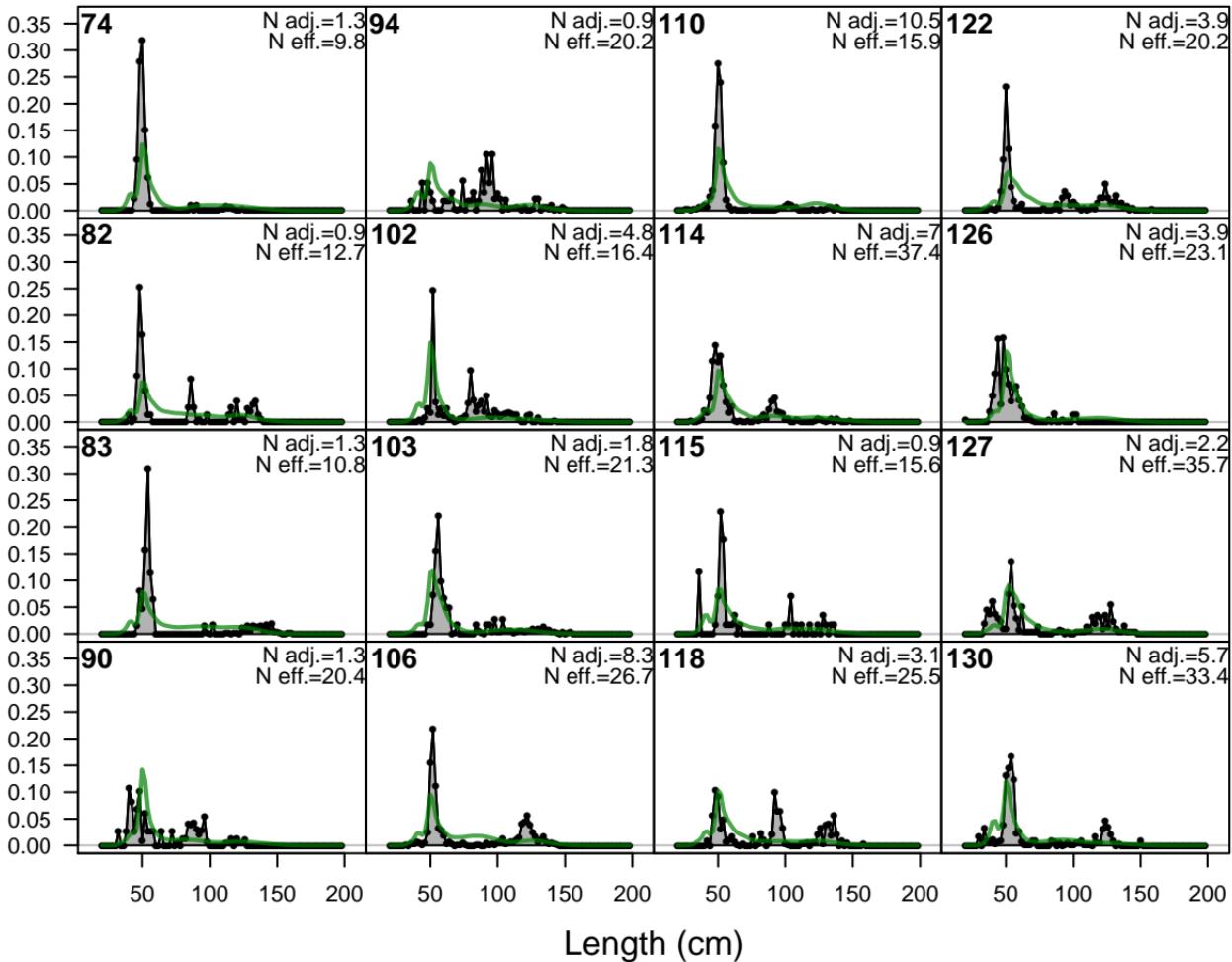




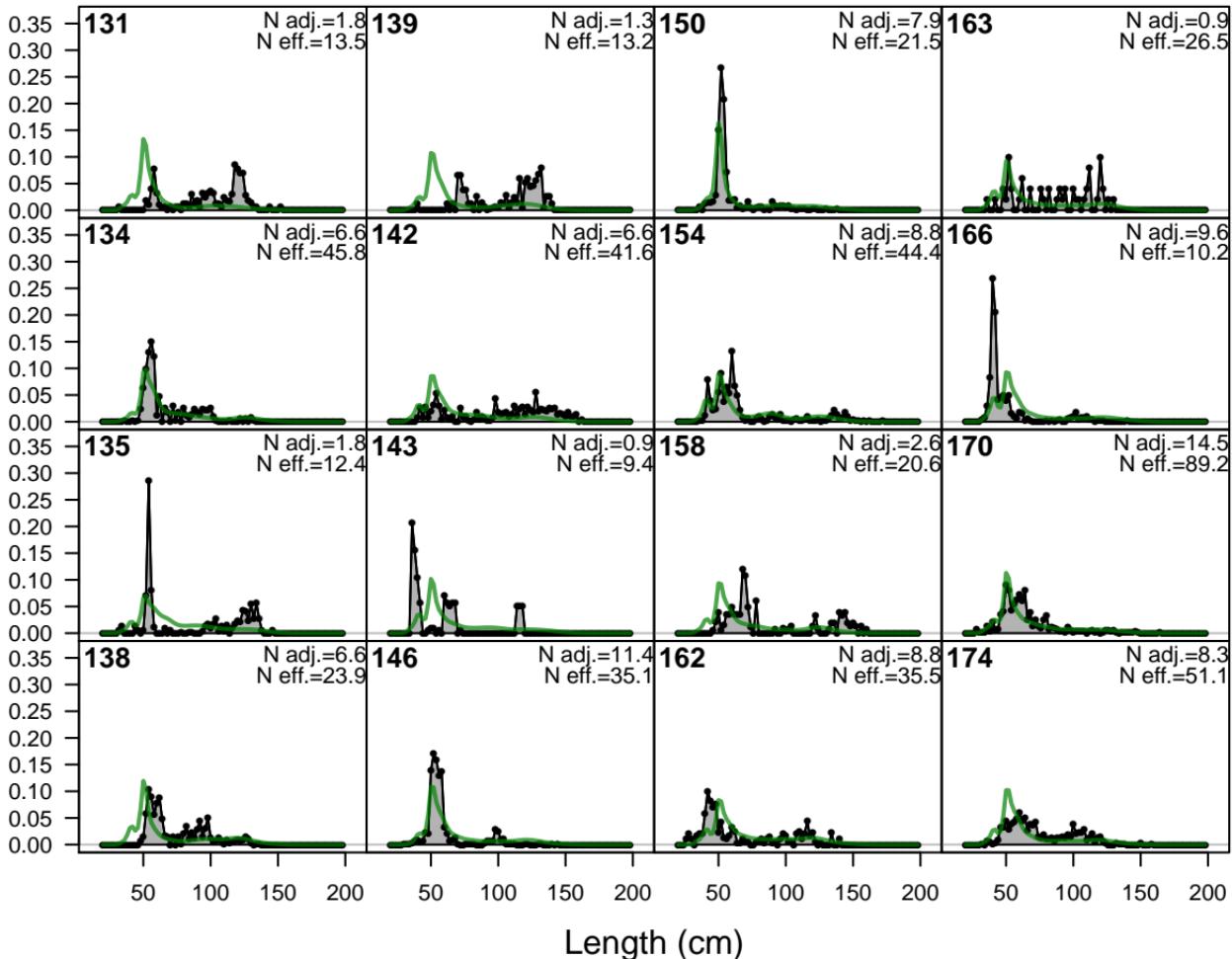
F9-OBJ_Cc_Q23 (whole catch)



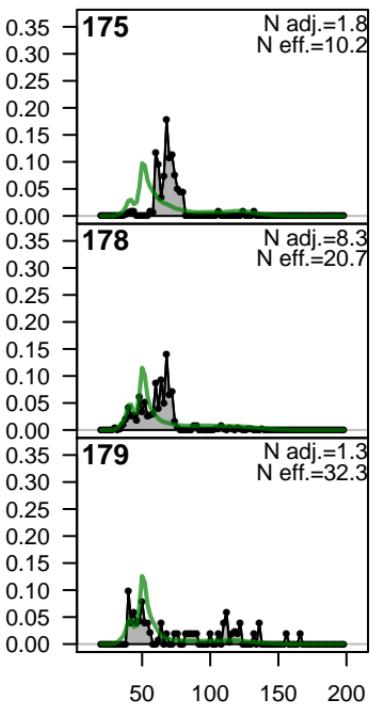
Proportion



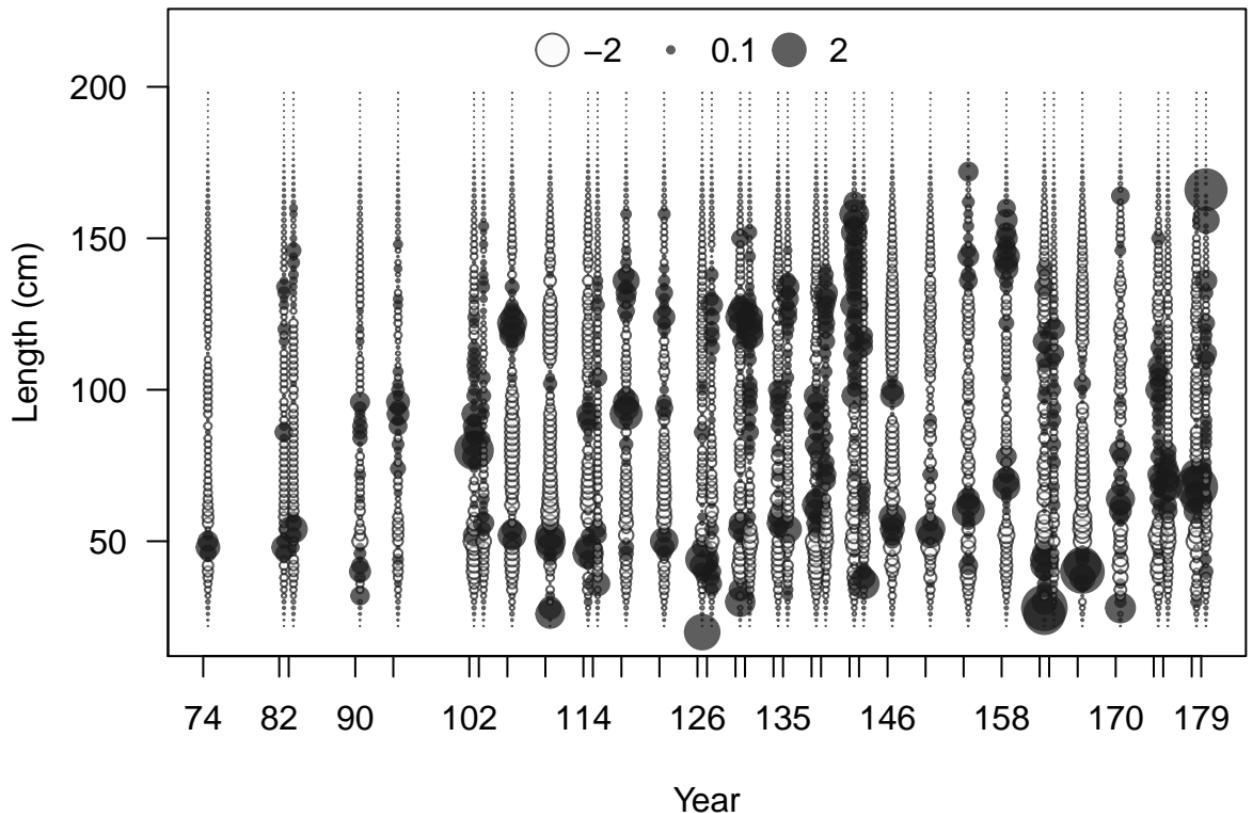
Proportion

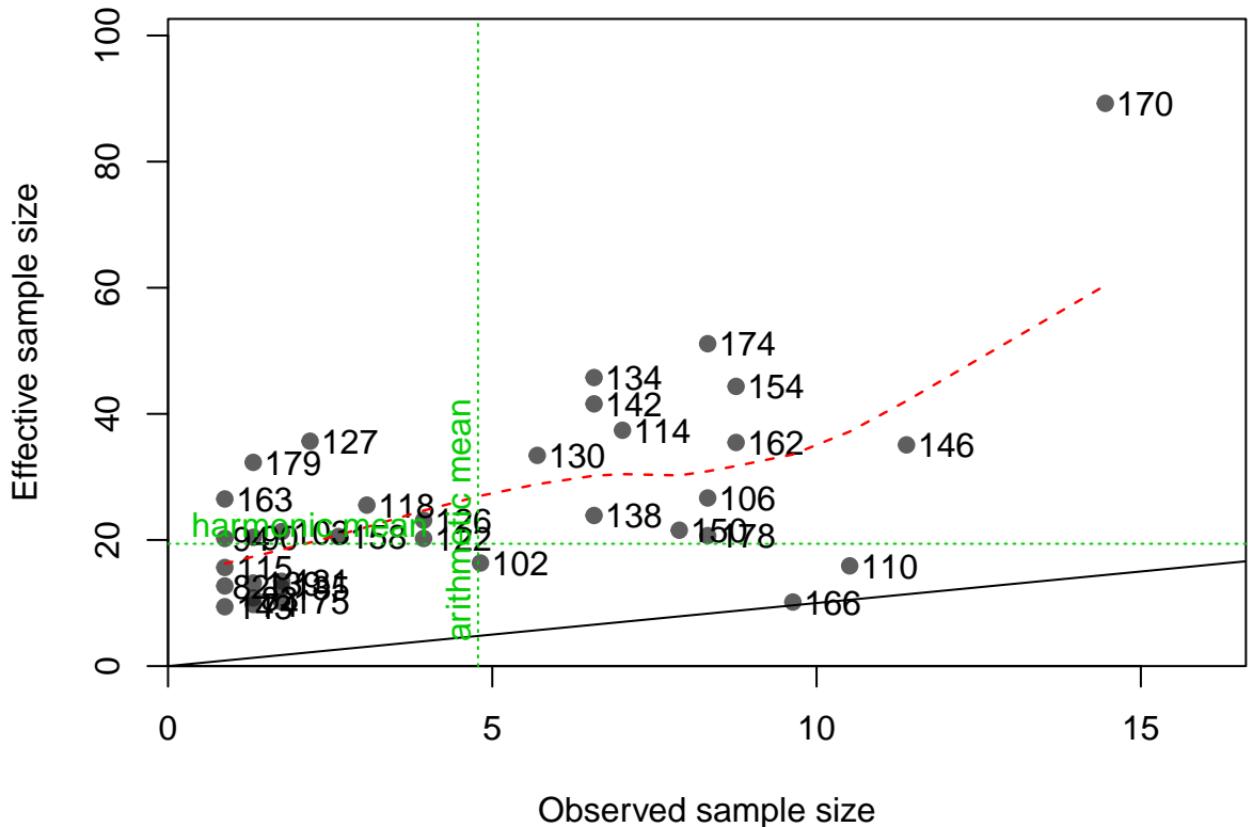


Proportion

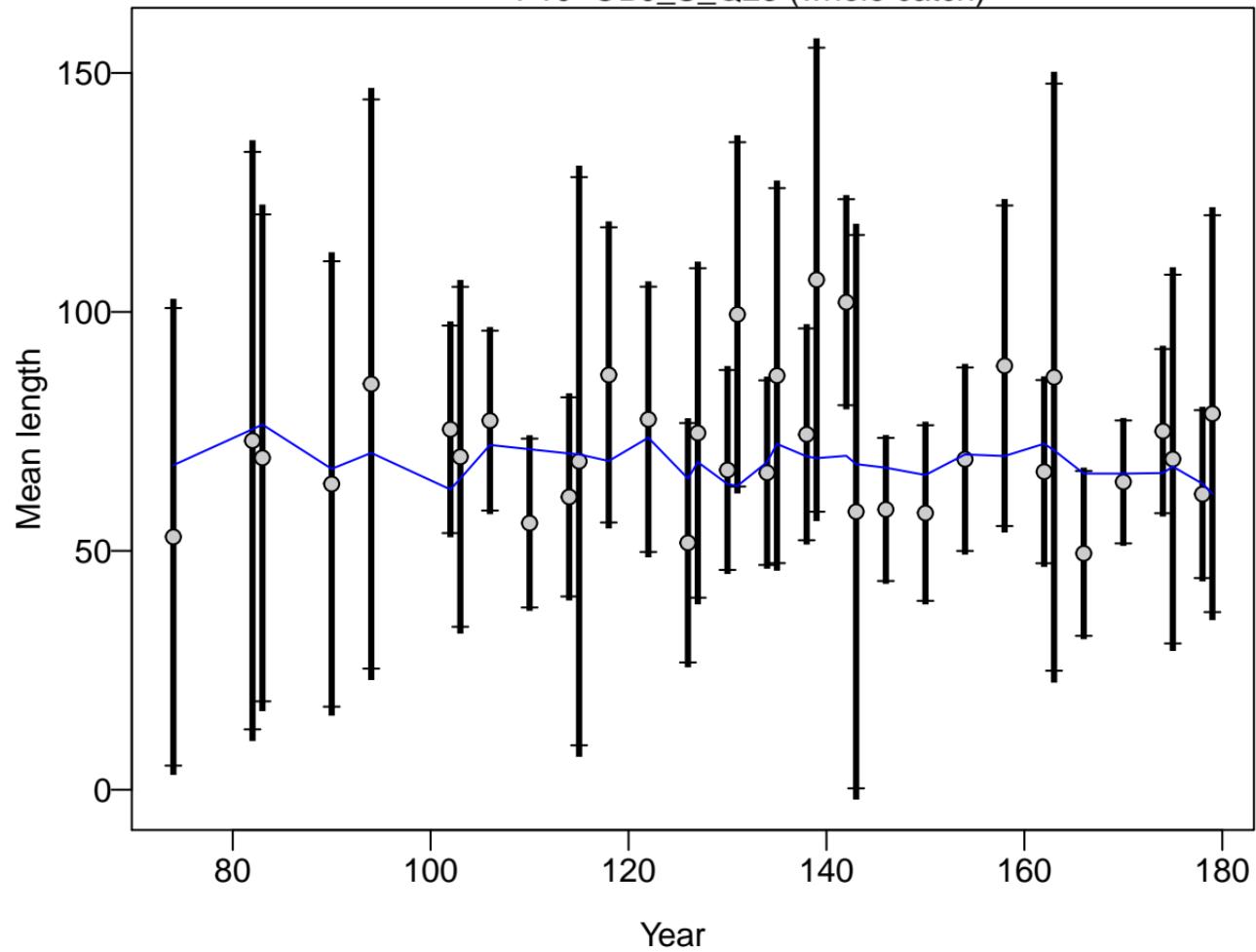


Length (cm)

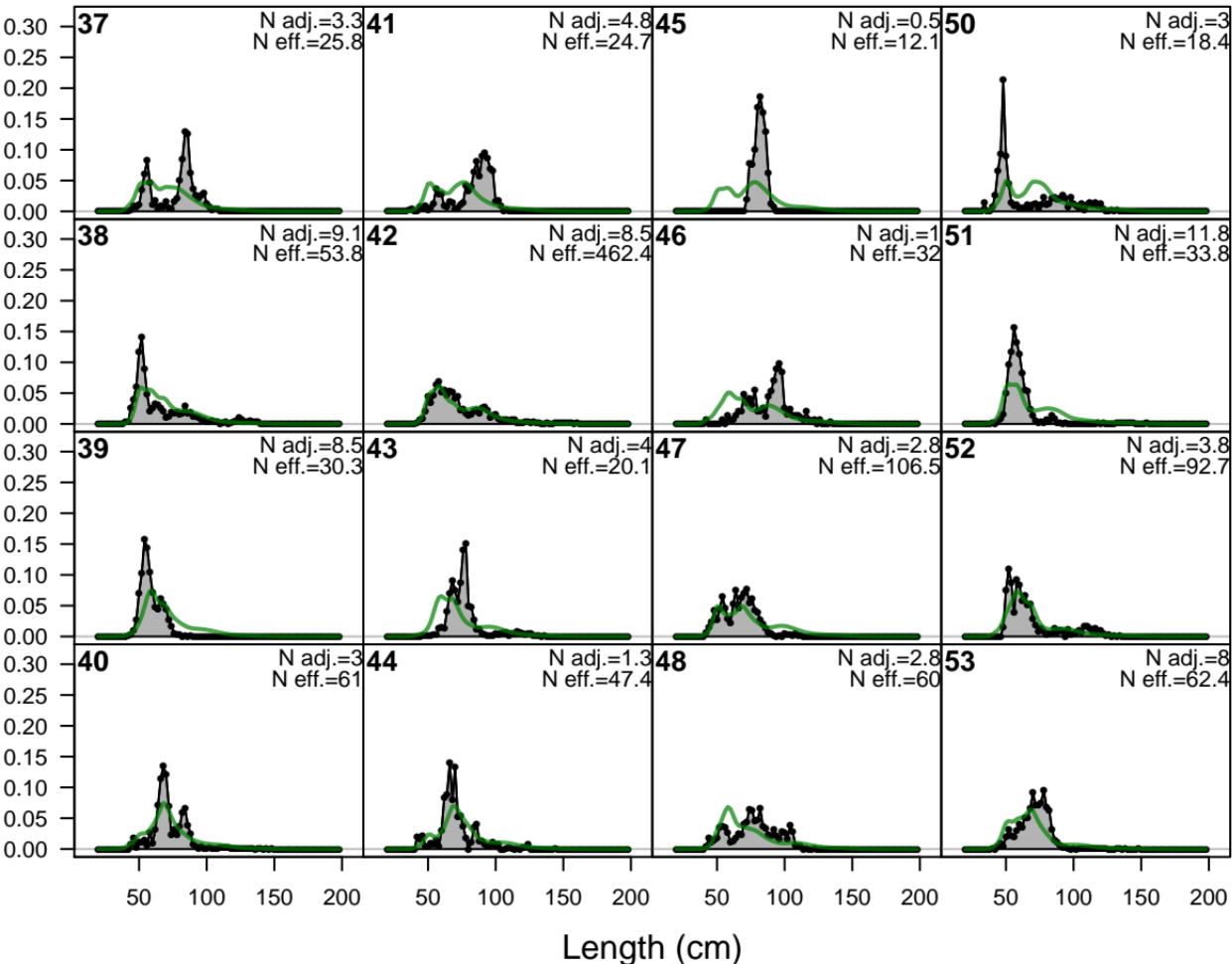




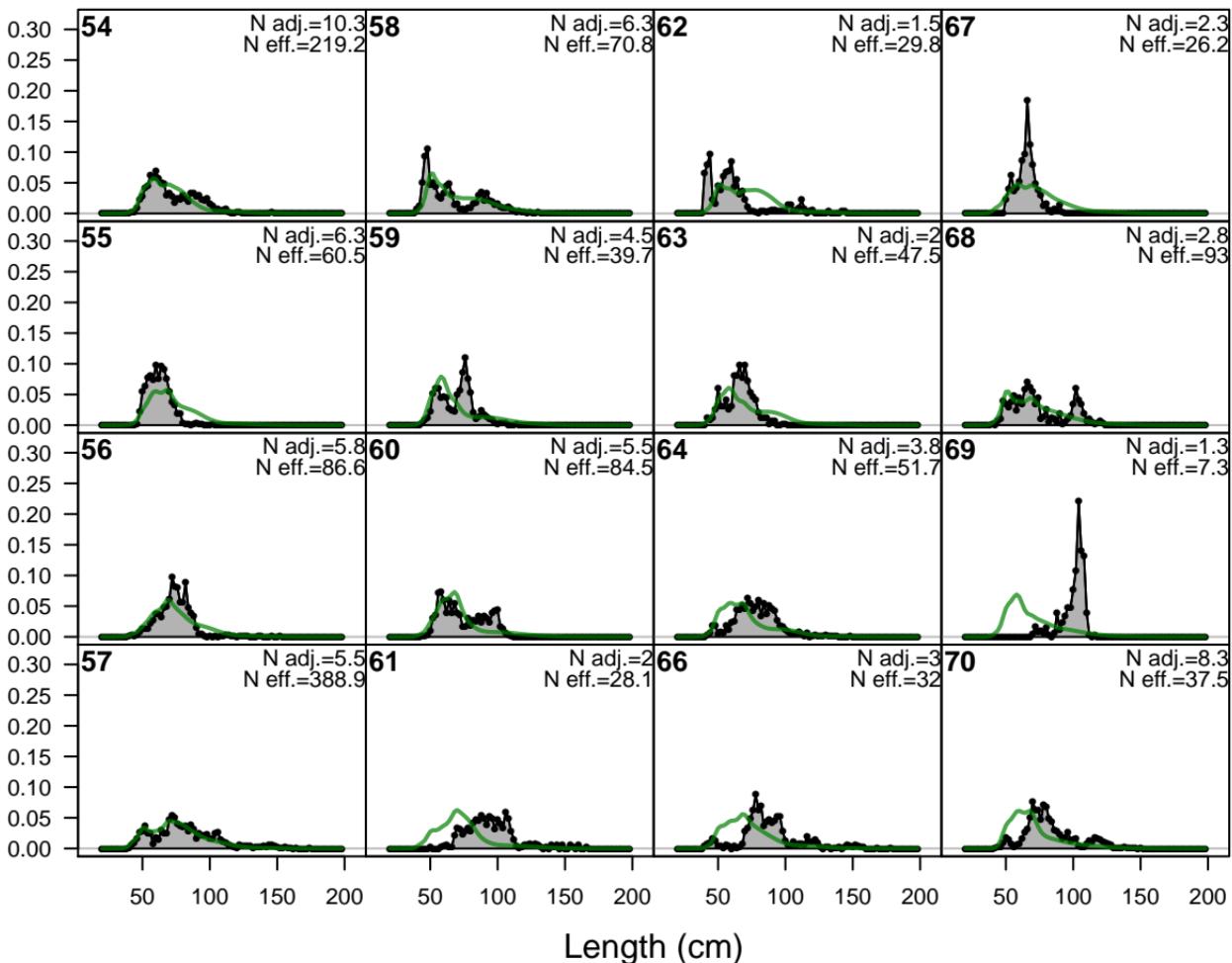
F10-OBJ_S_Q23 (whole catch)



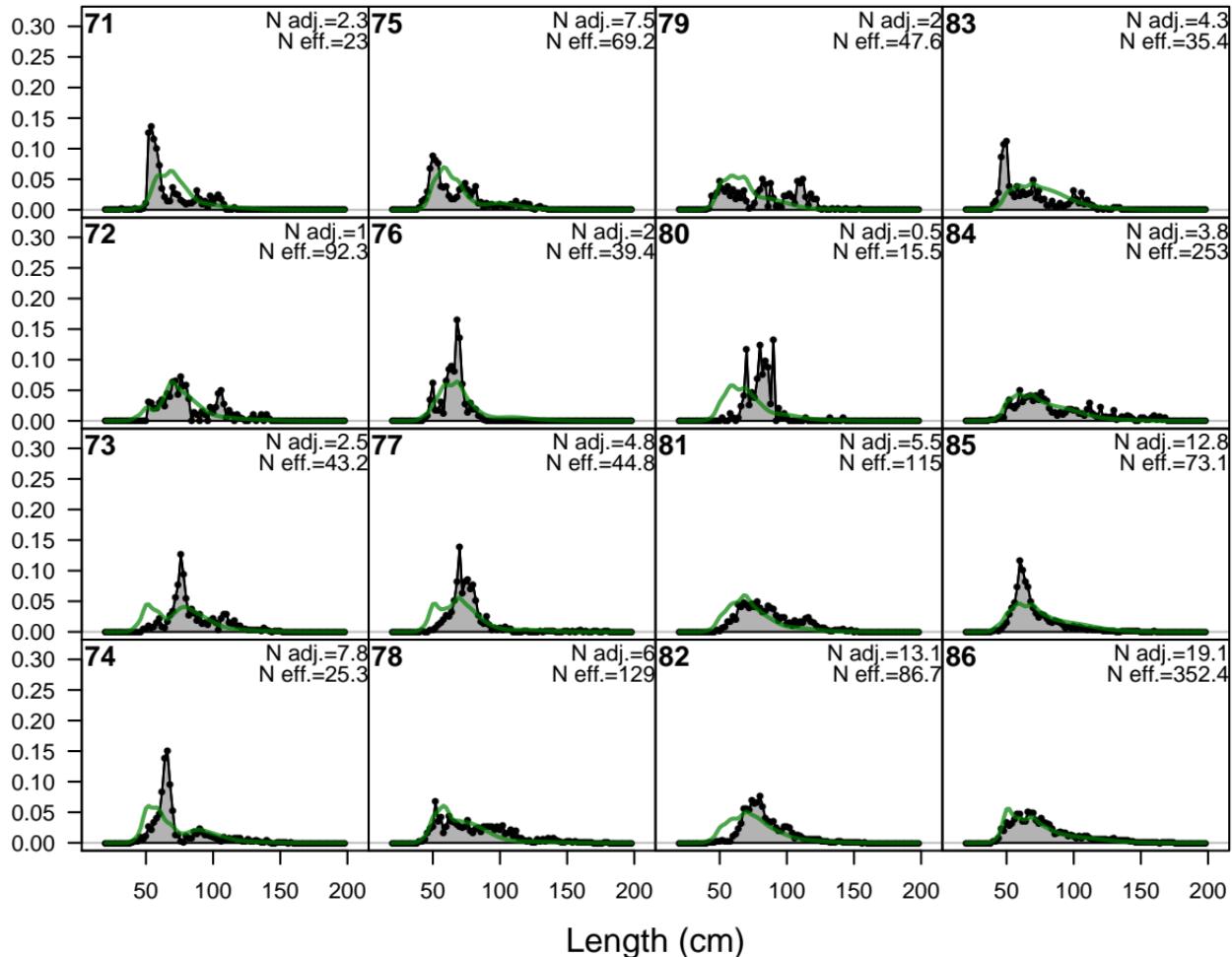
Proportion



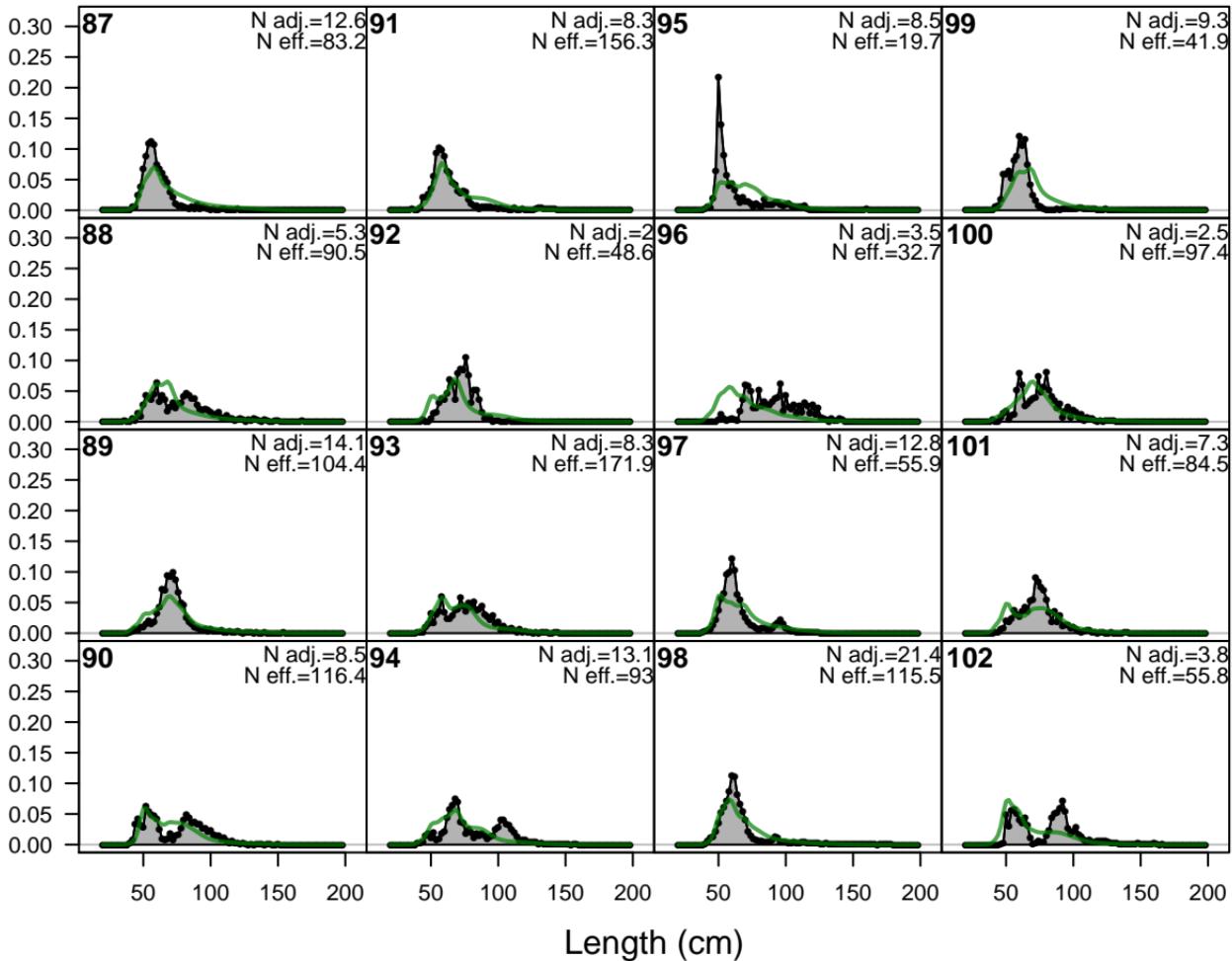
Proportion



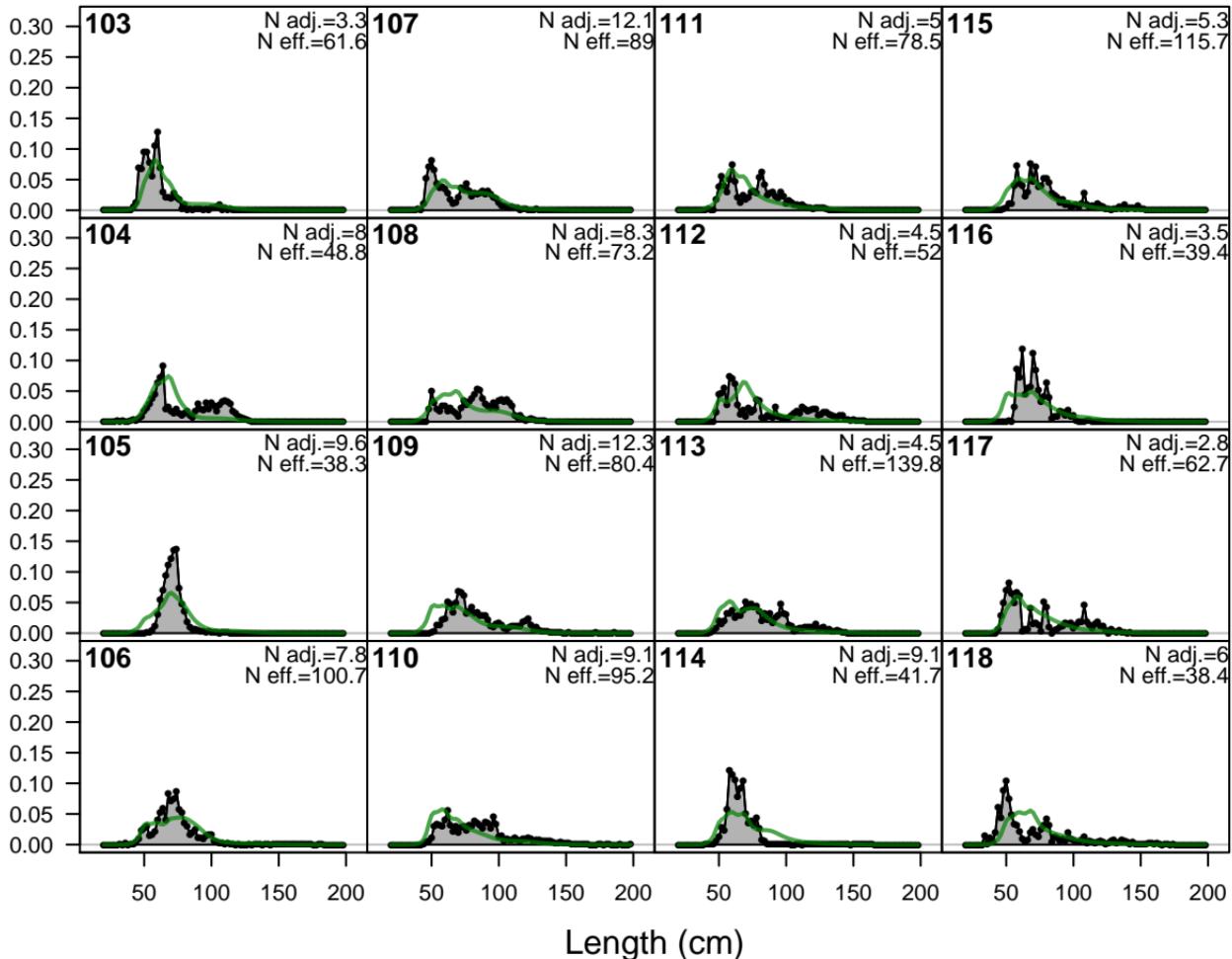
Proportion



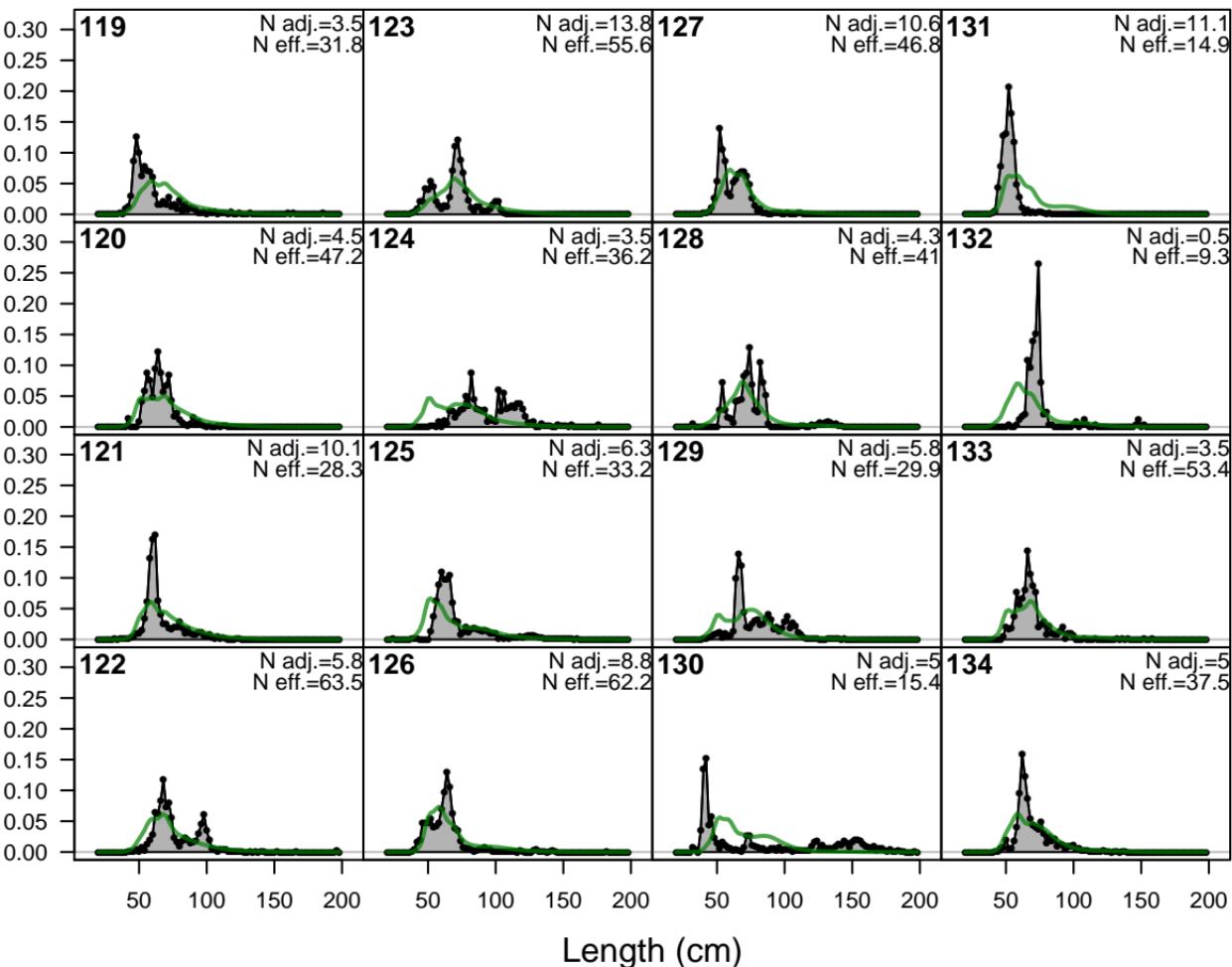
Proportion



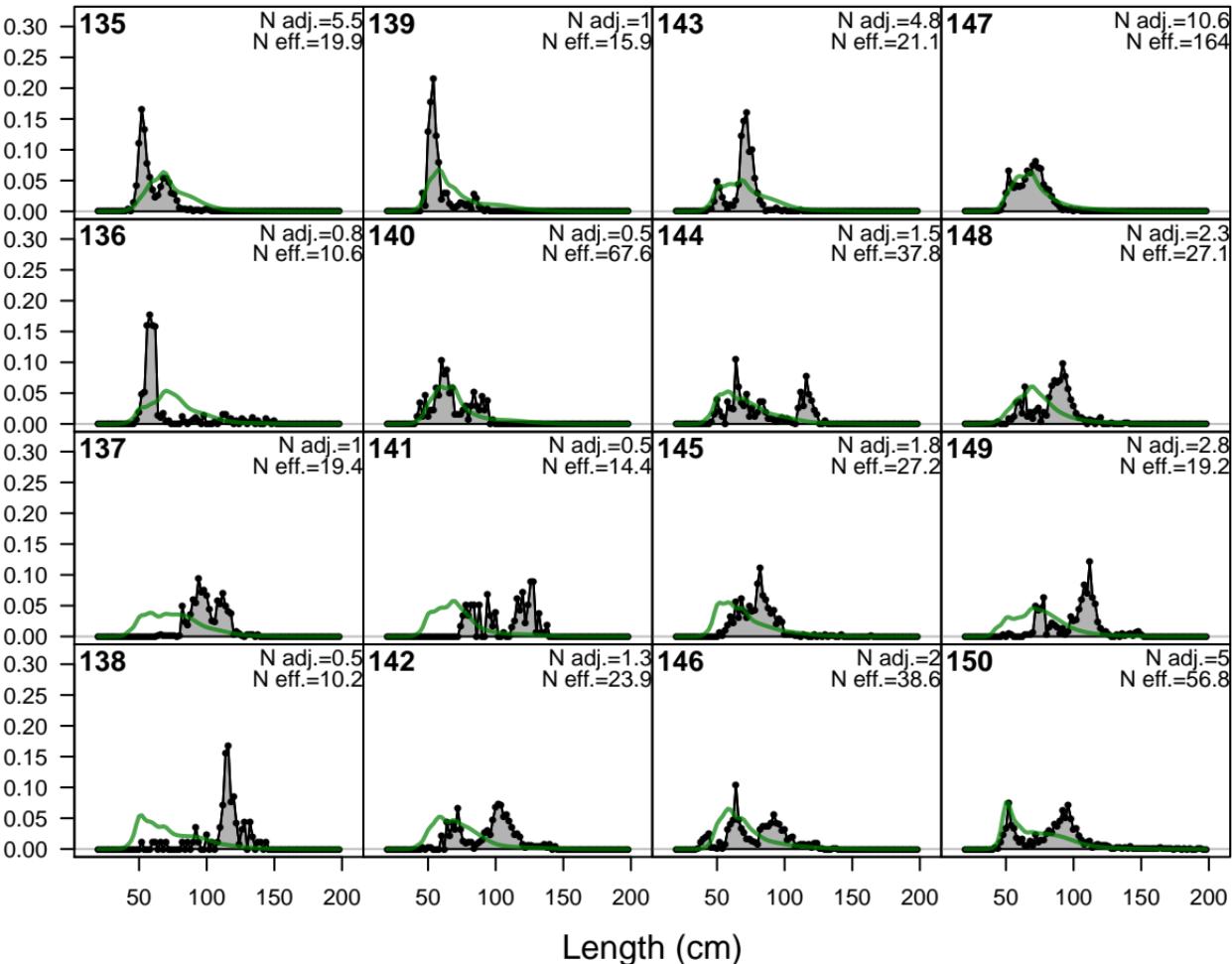
Proportion



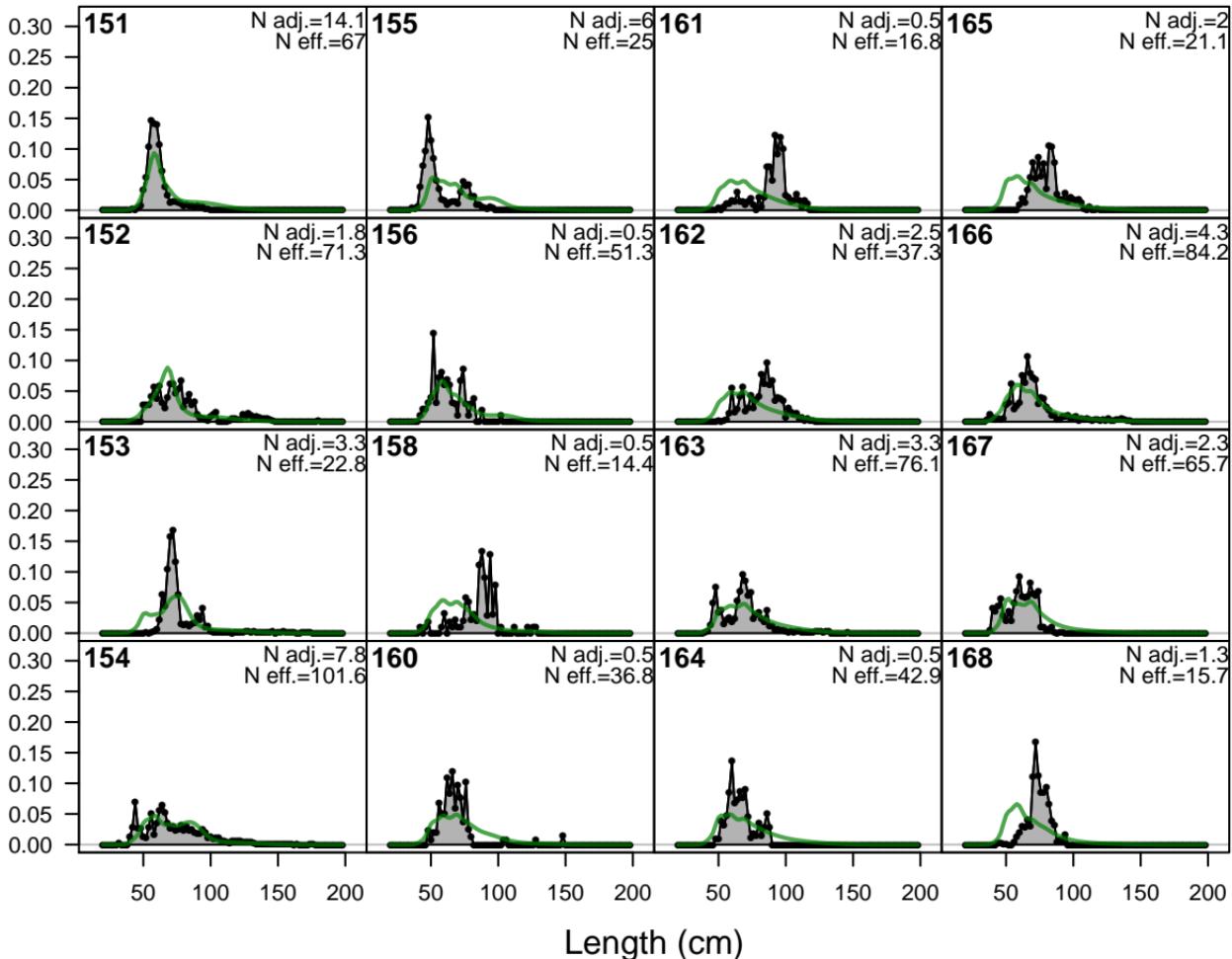
Proportion



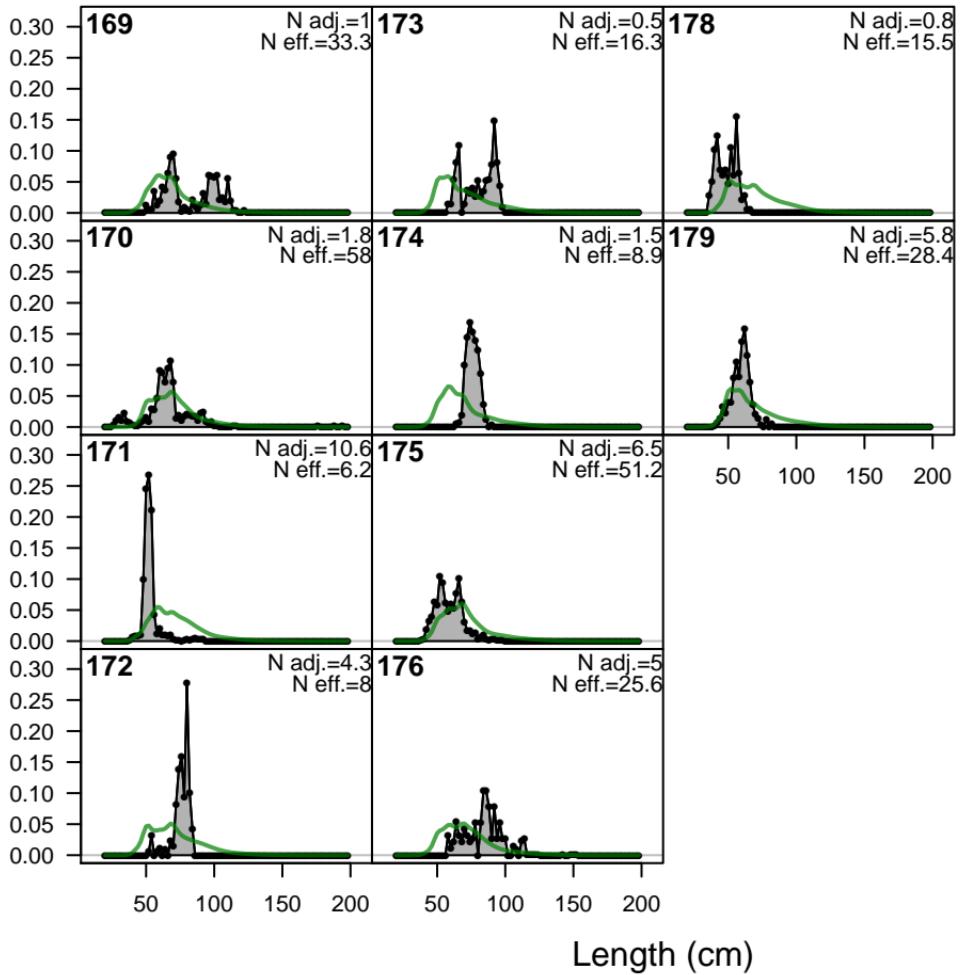
Proportion

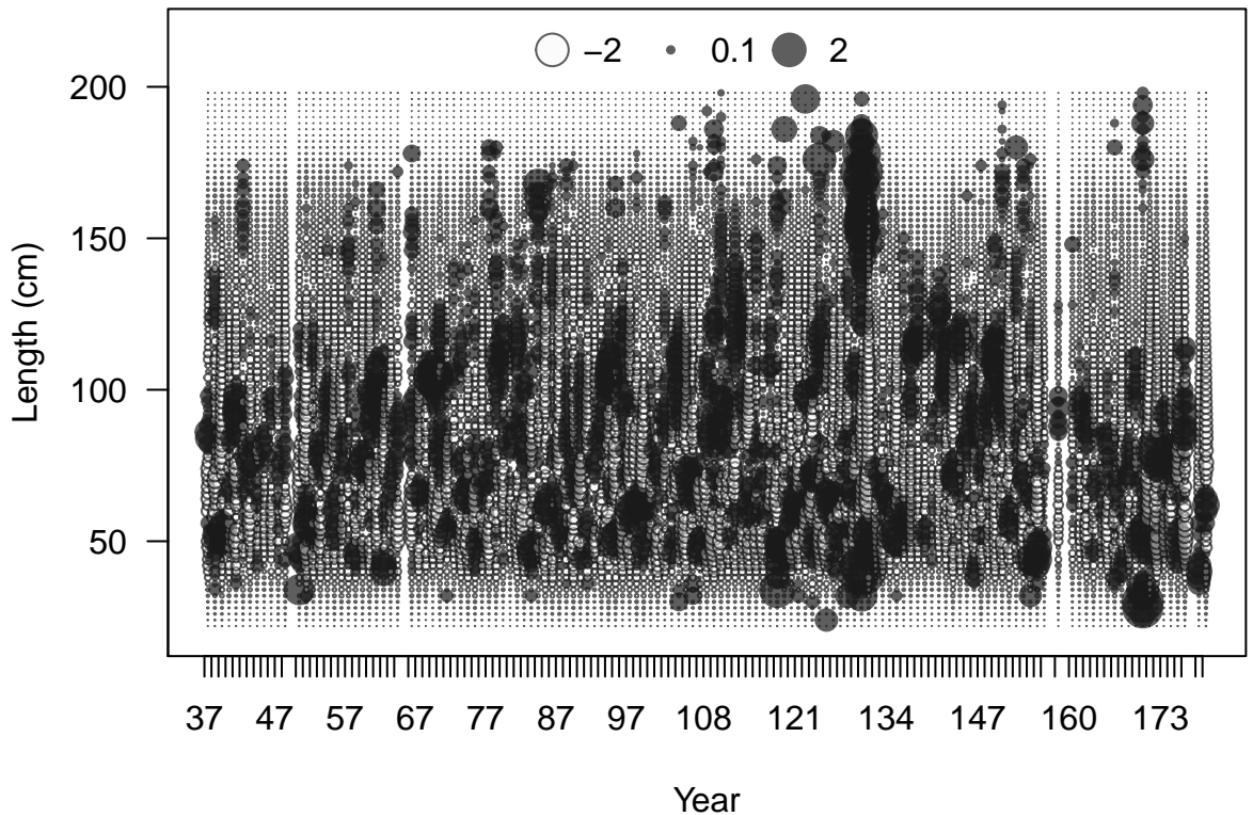


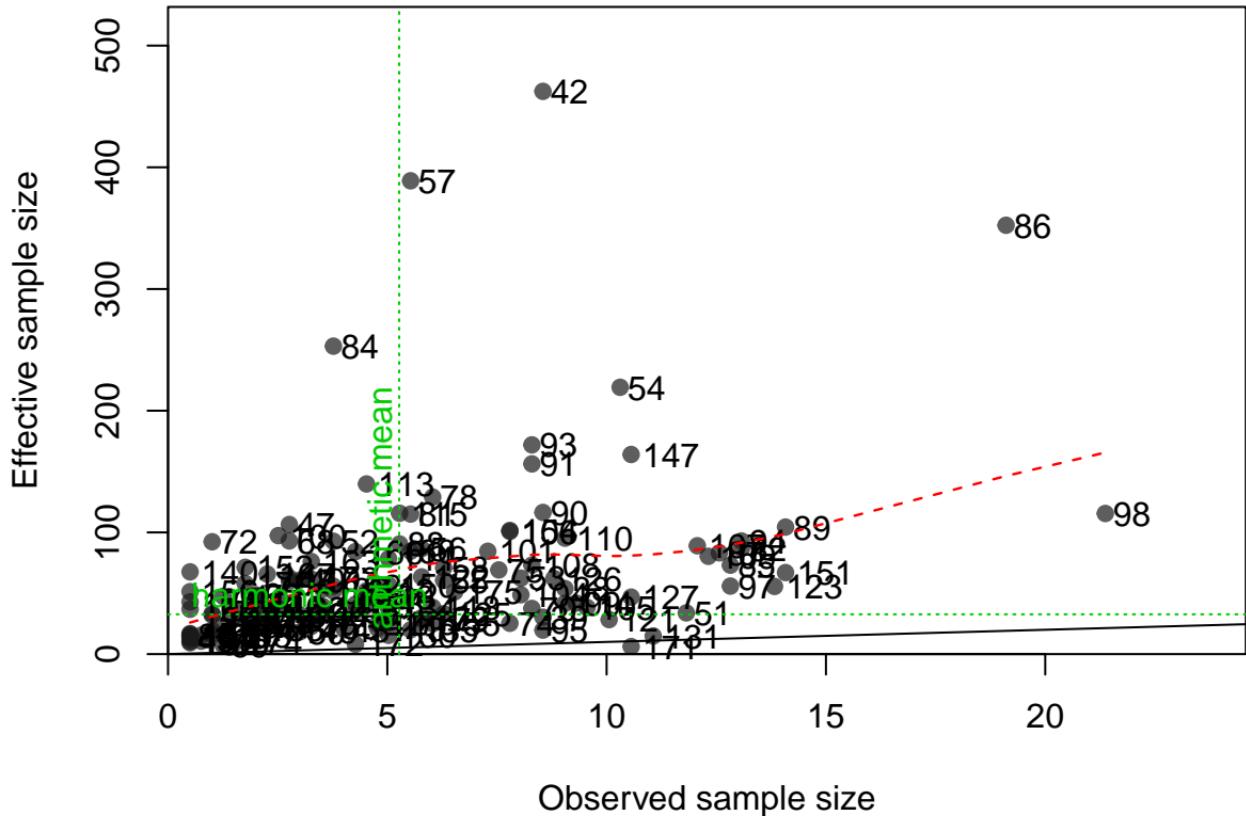
Proportion



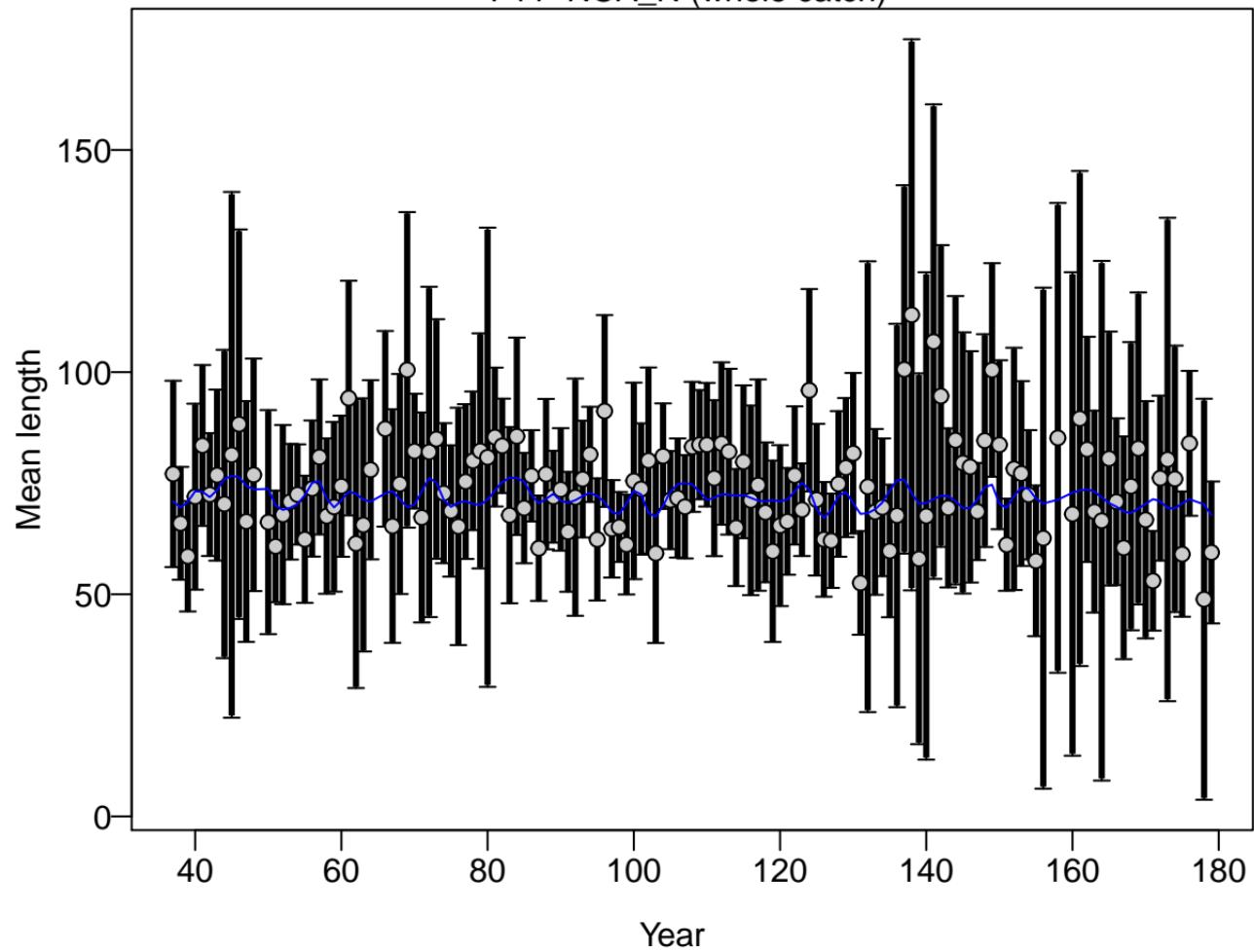
Proportion



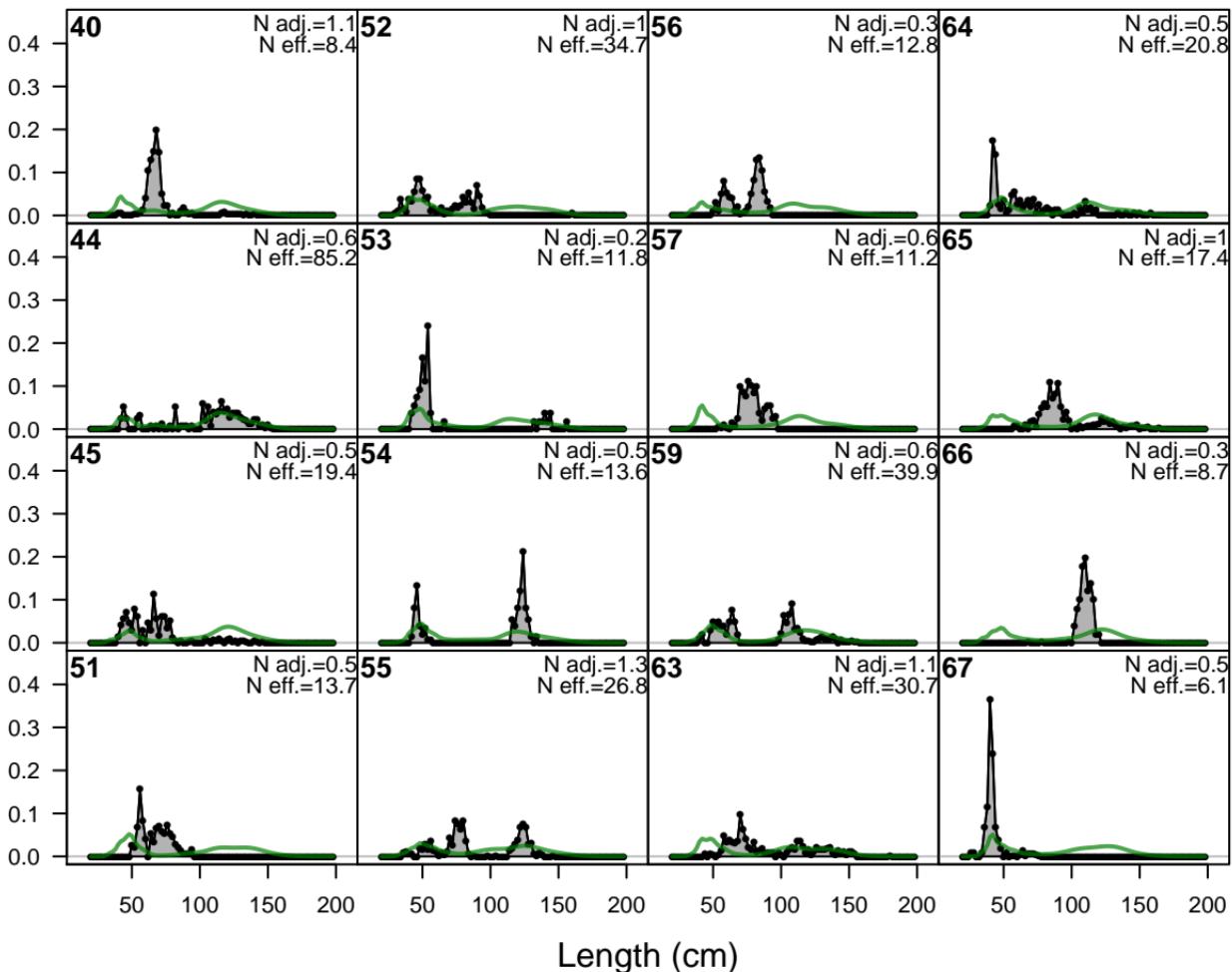




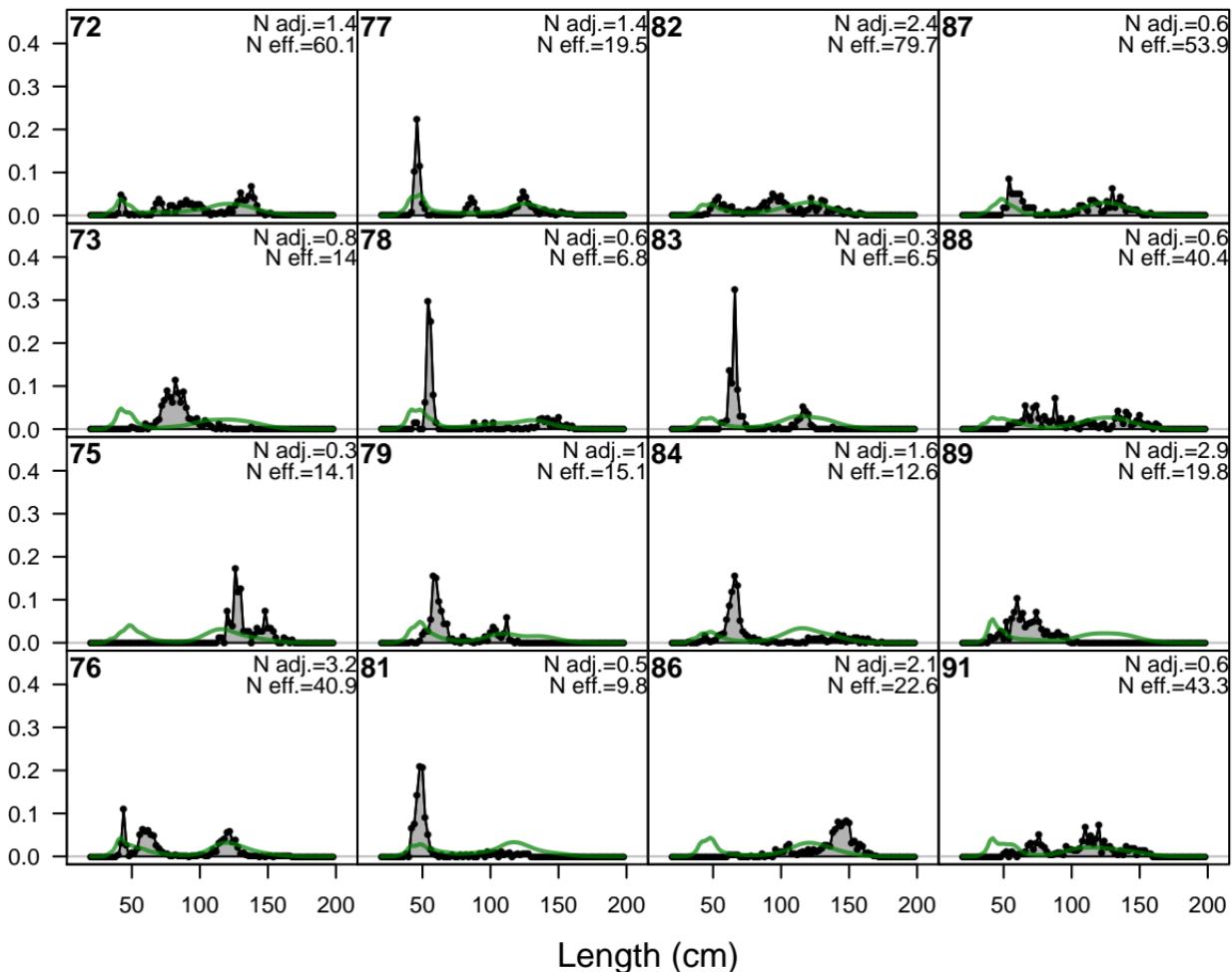
F11–NOA_N (whole catch)



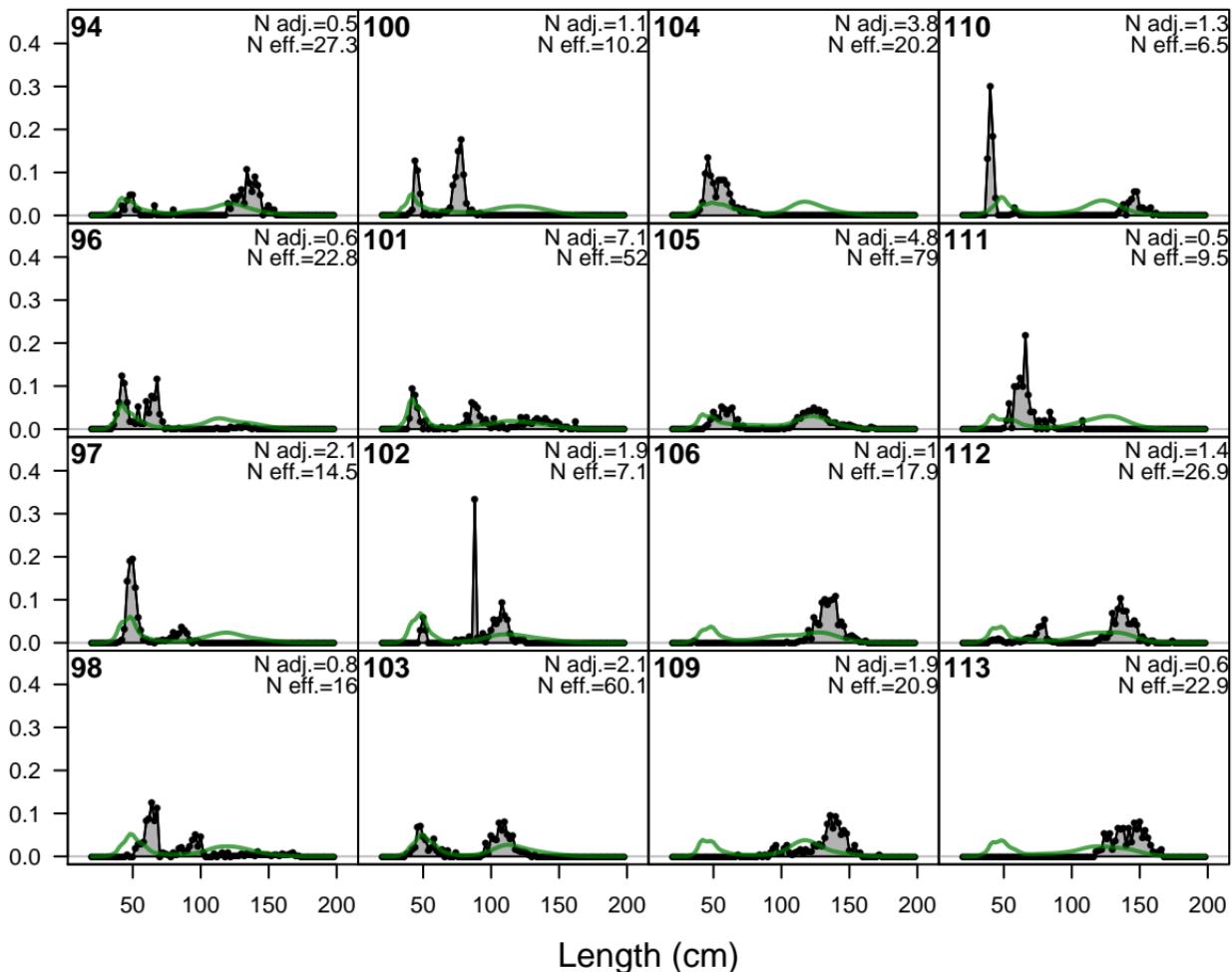
Proportion



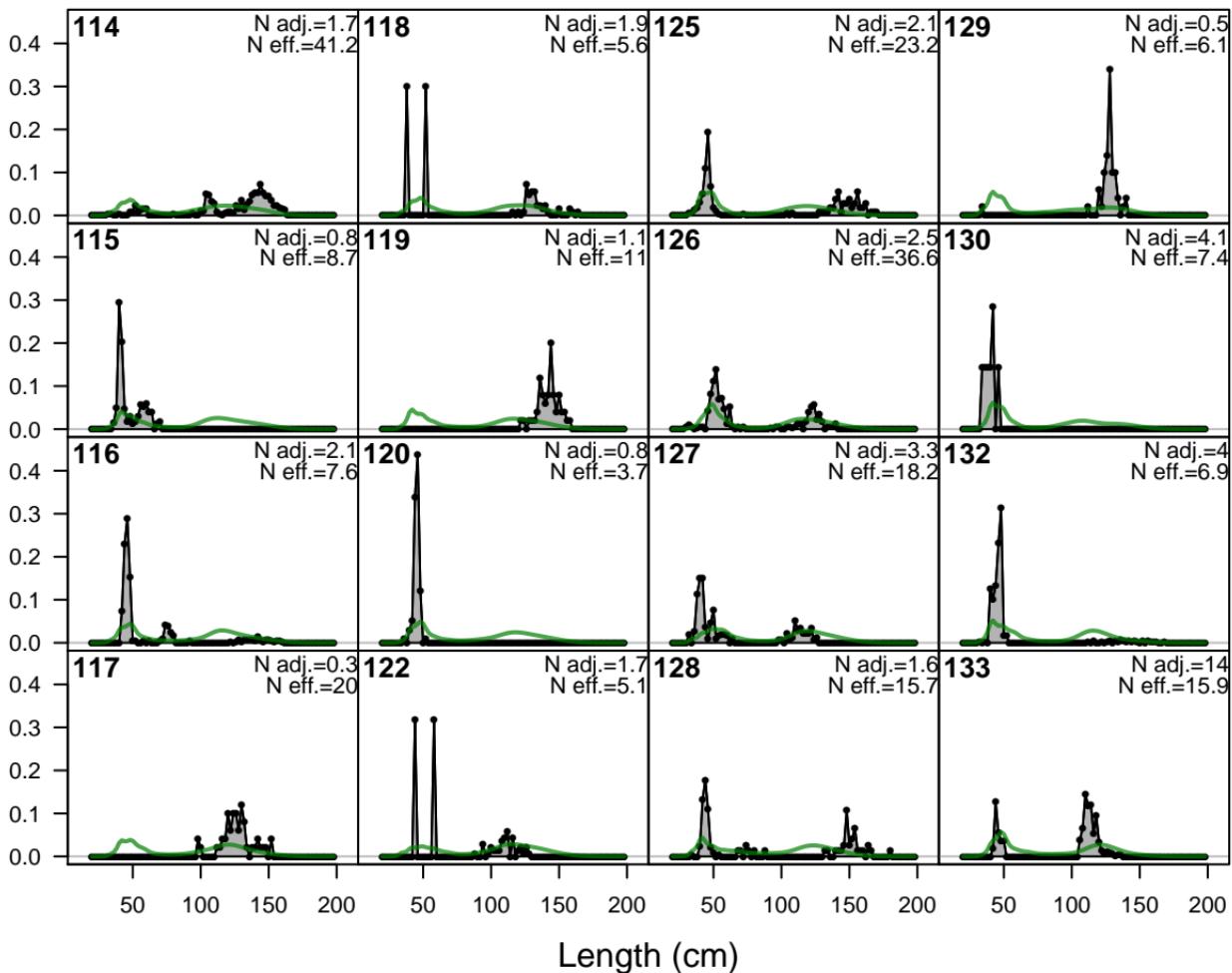
Proportion



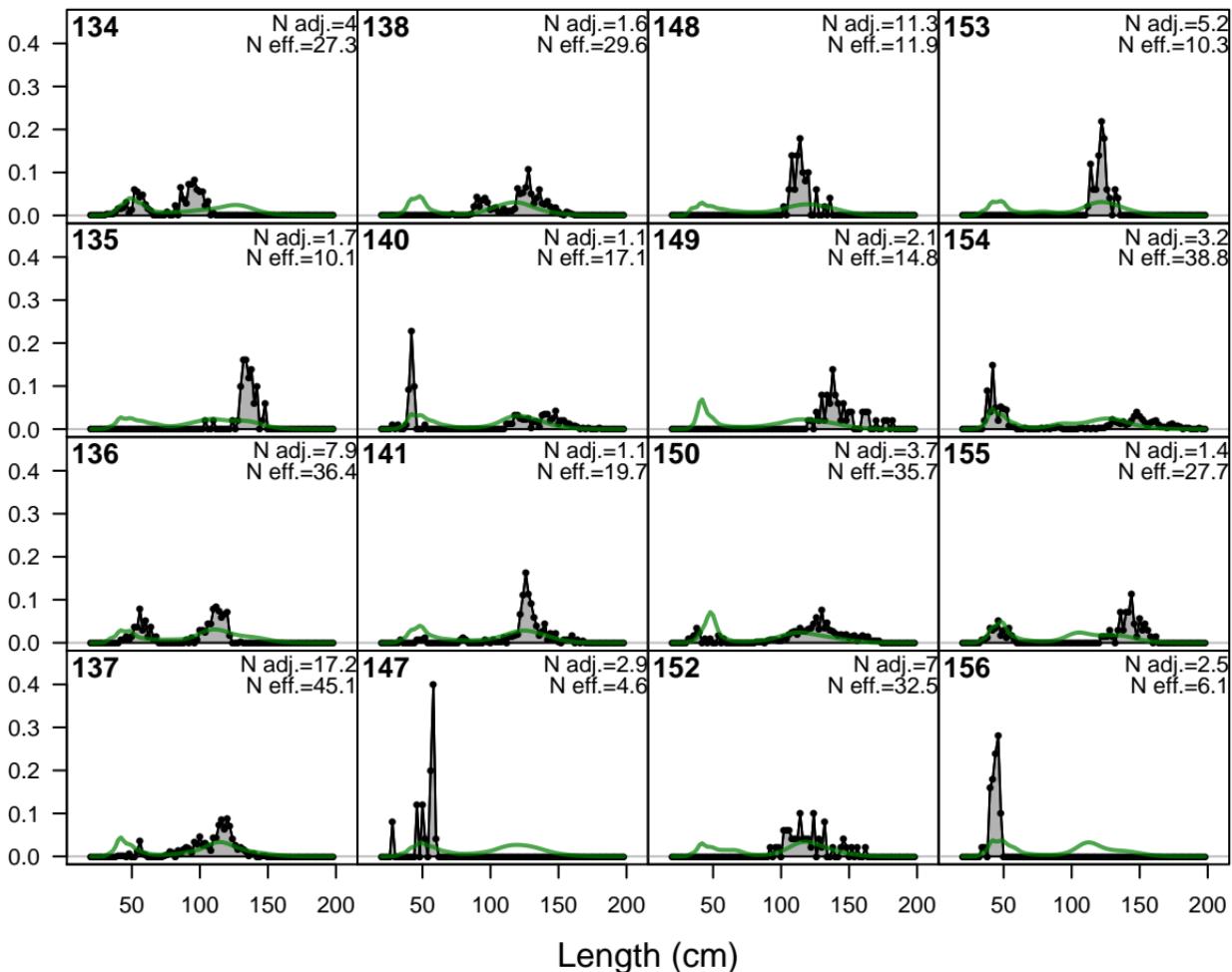
Proportion



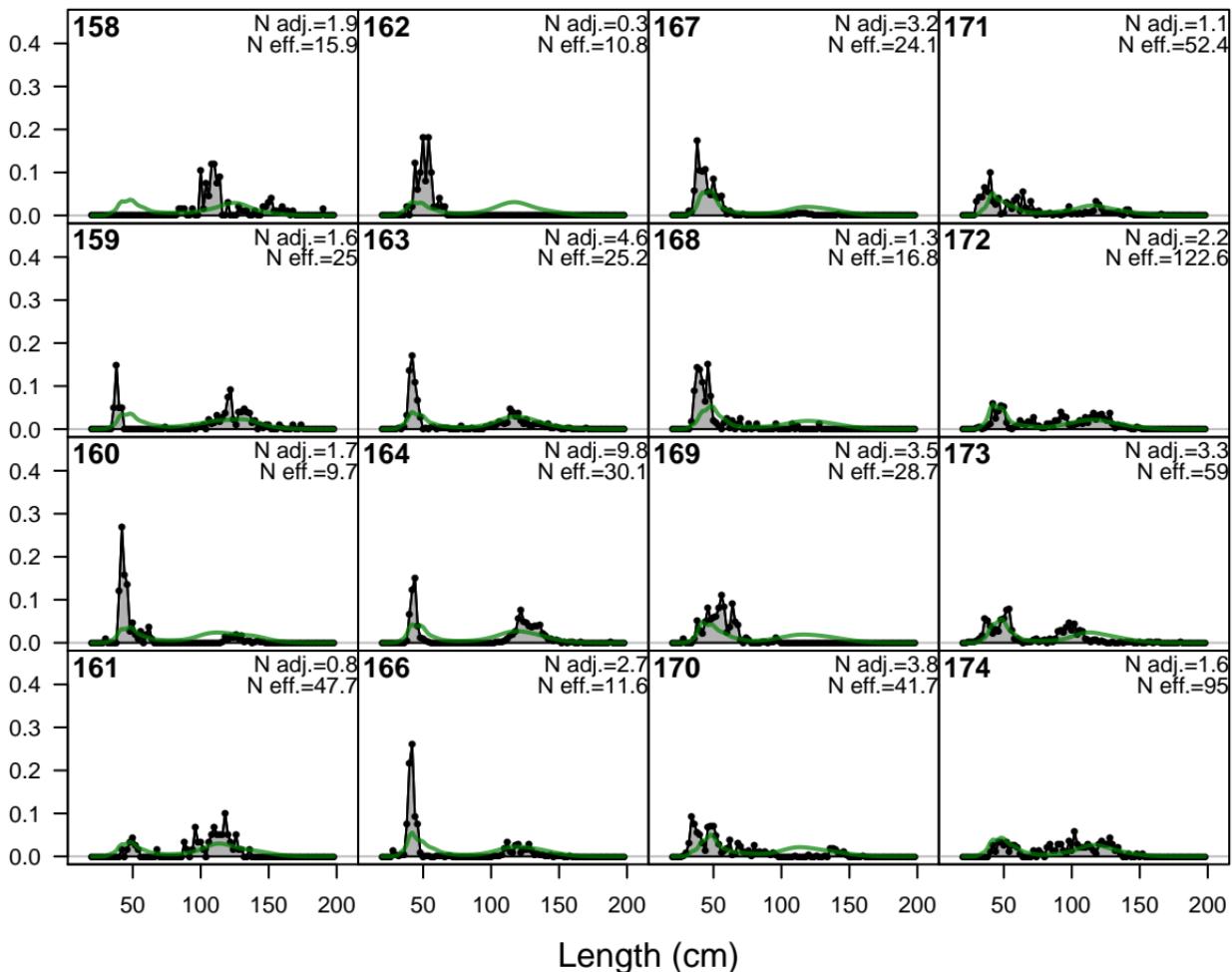
Proportion



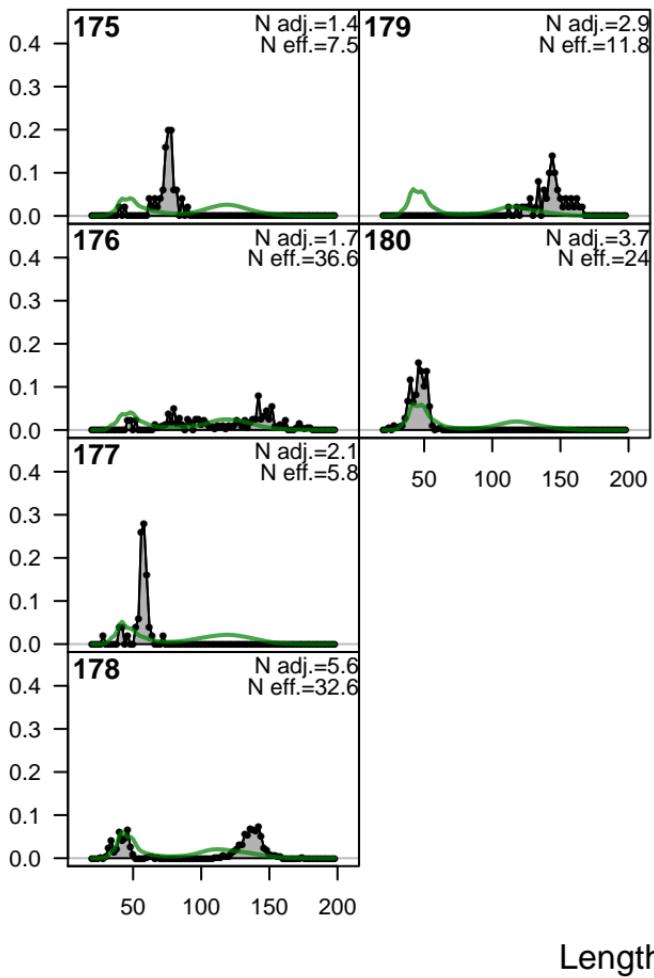
Proportion

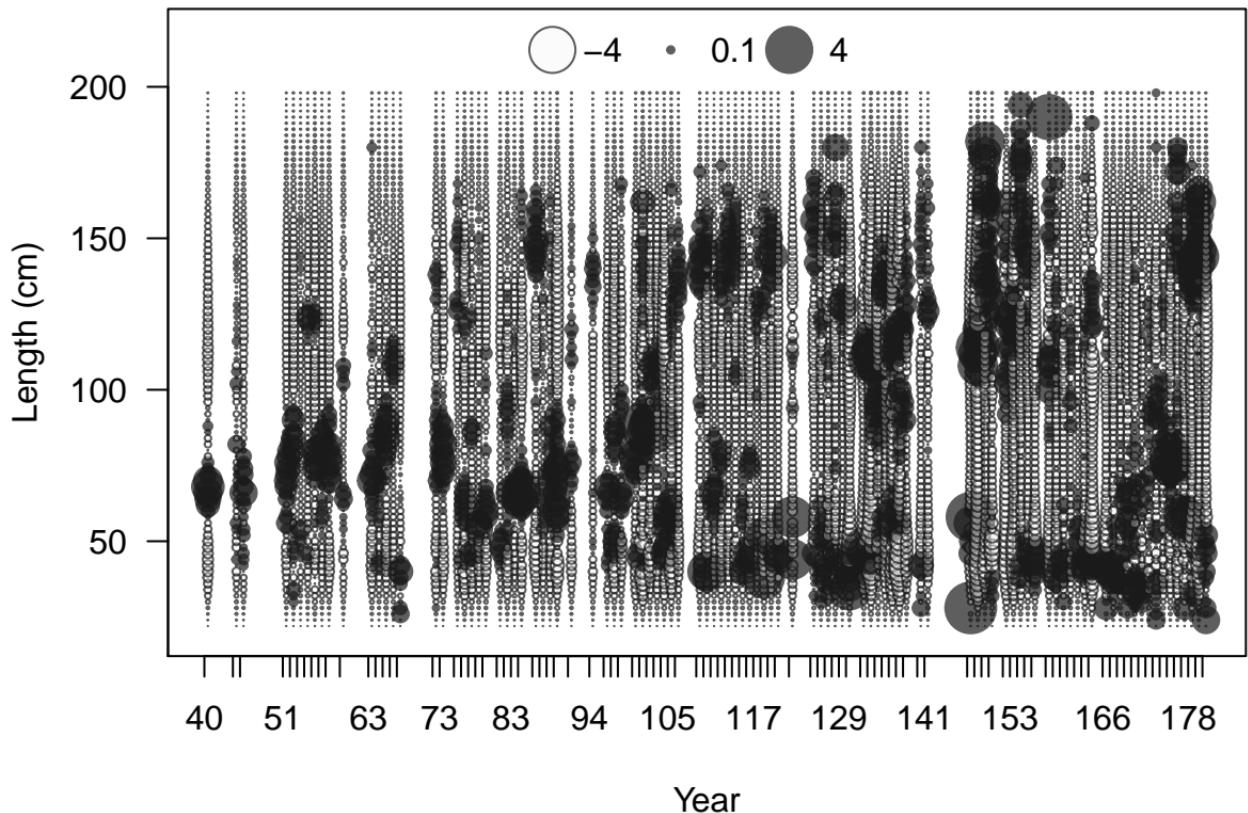


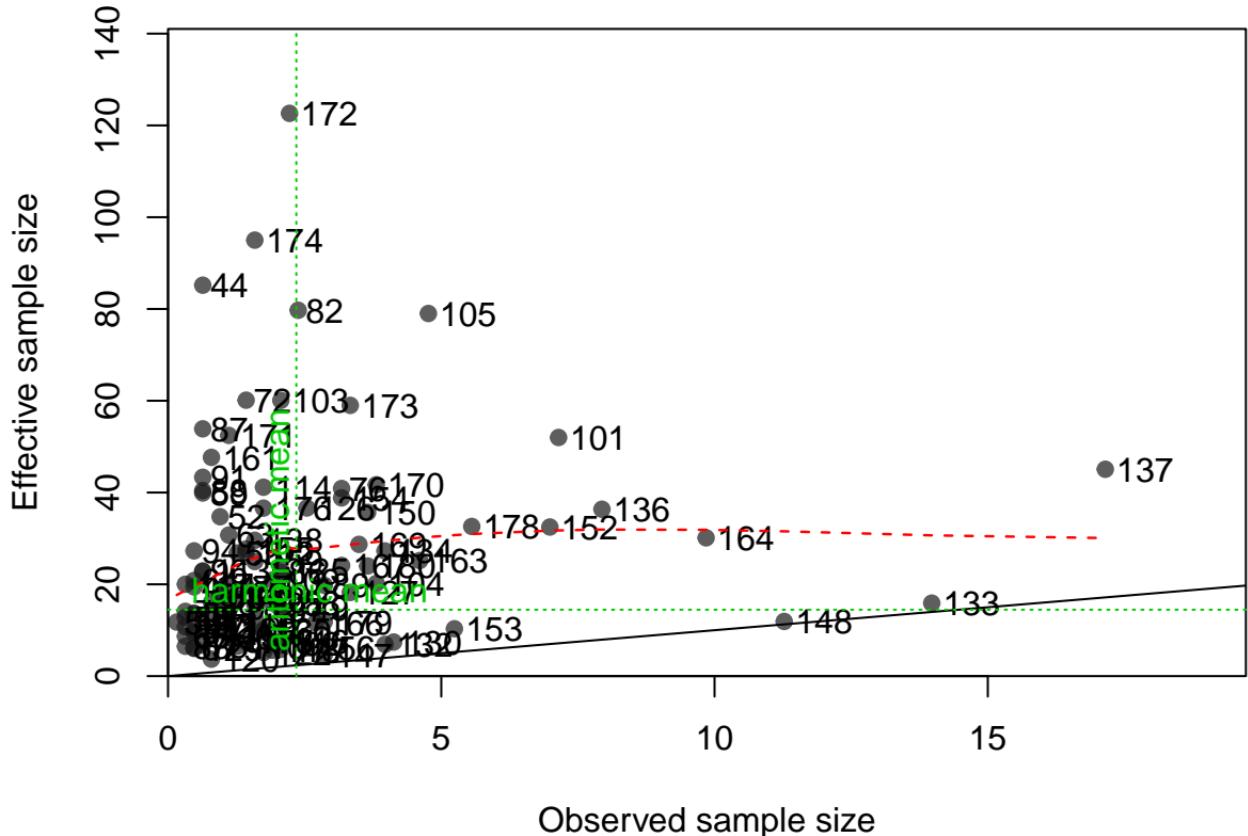
Proportion



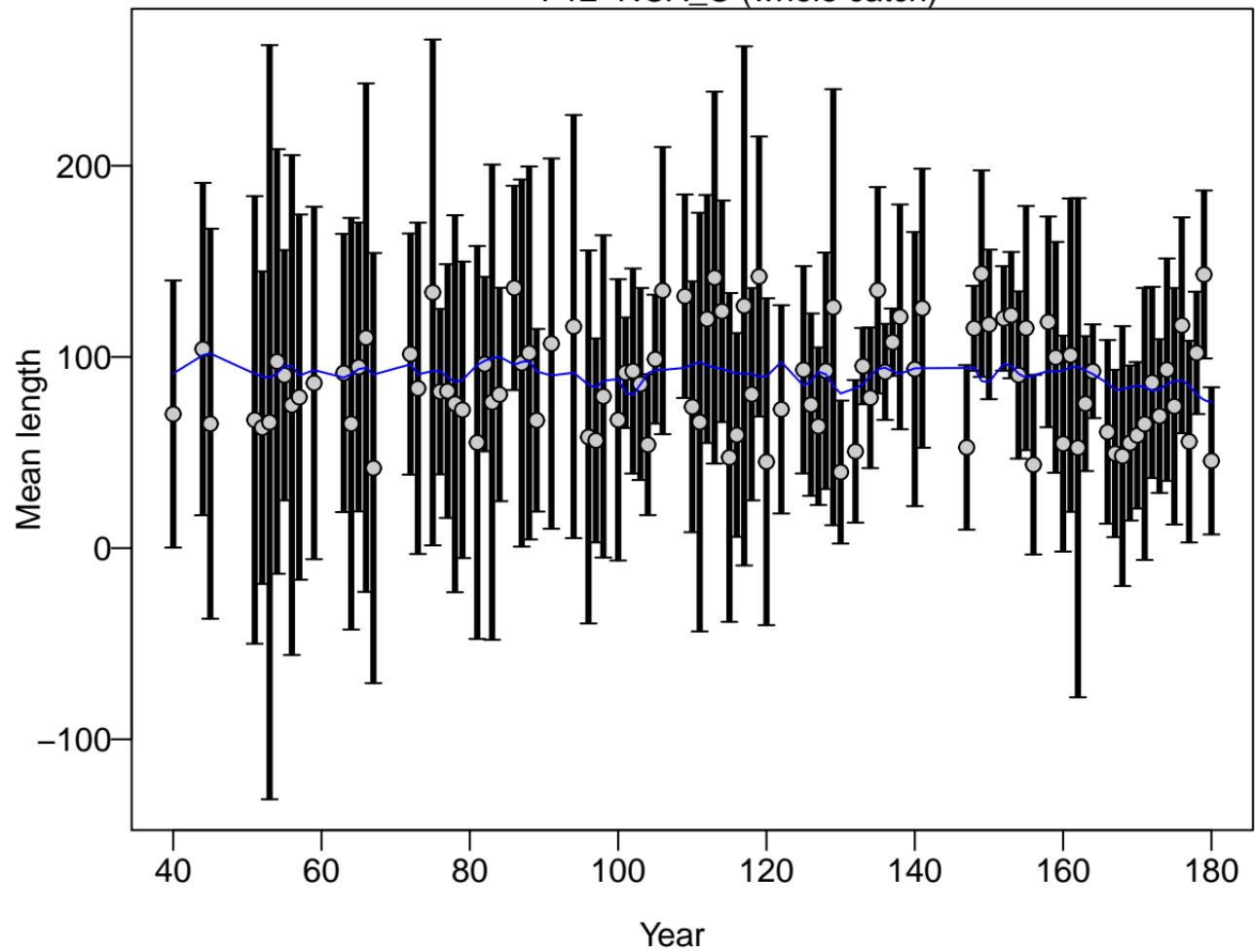
Proportion



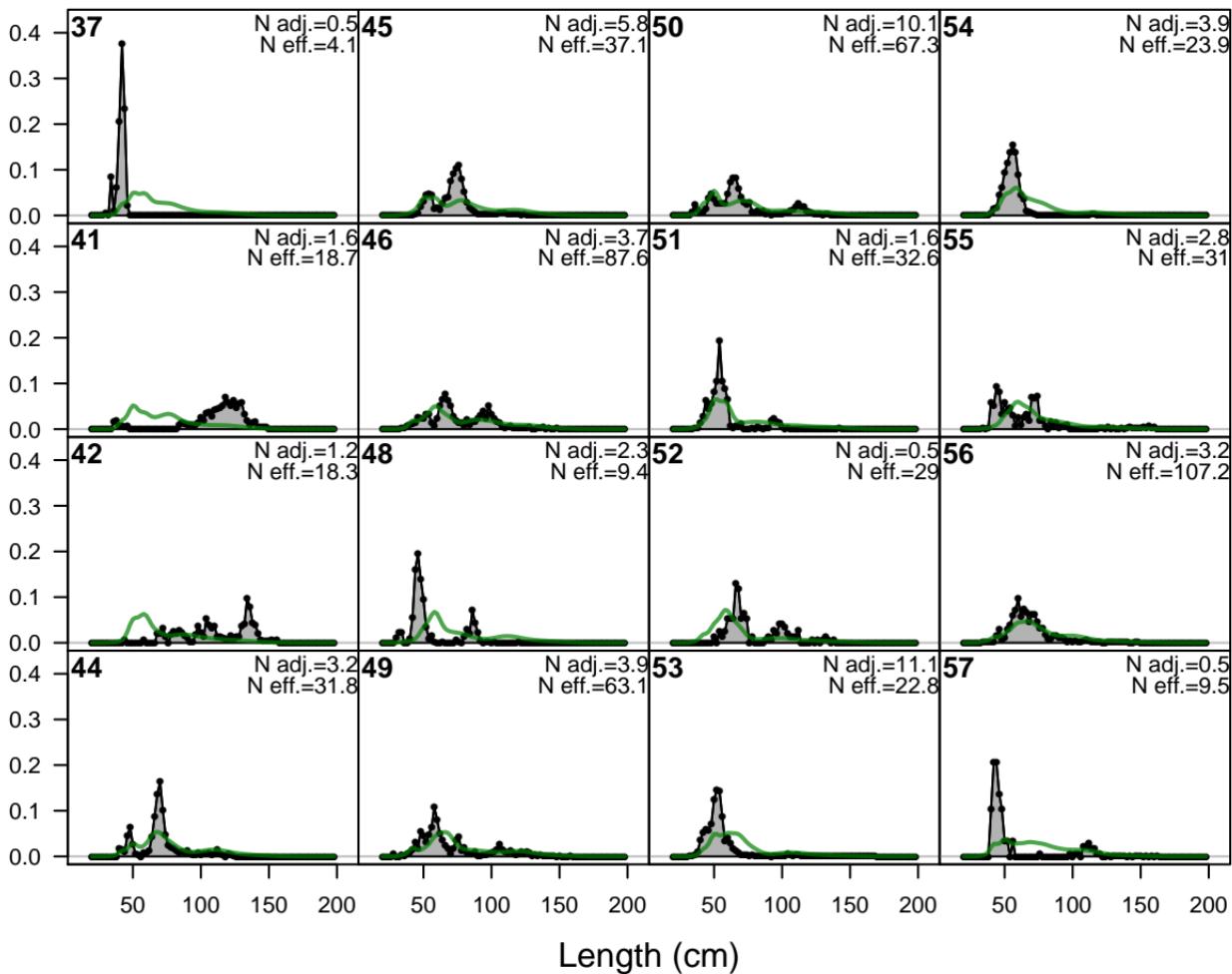




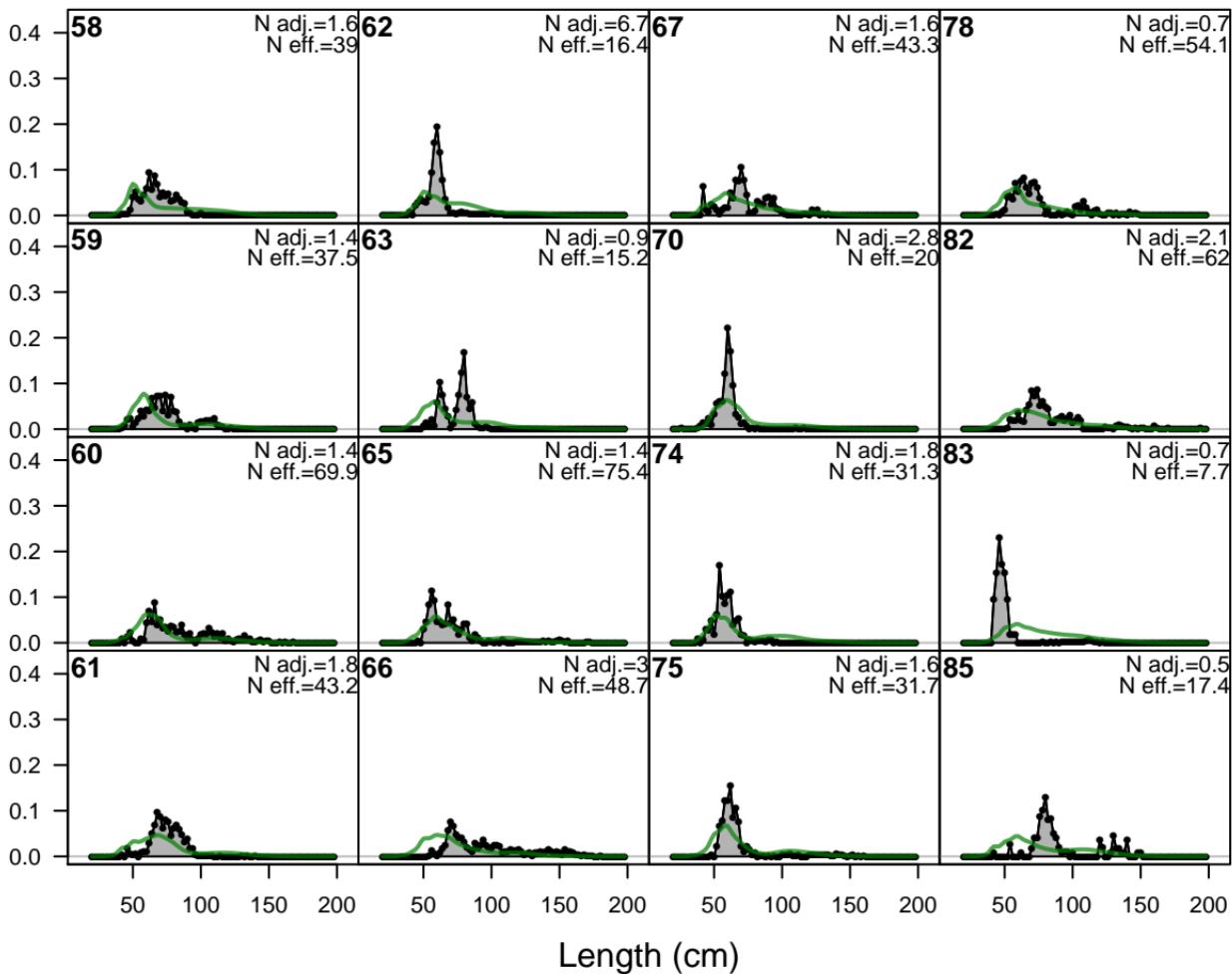
F12-NOA_C (whole catch)



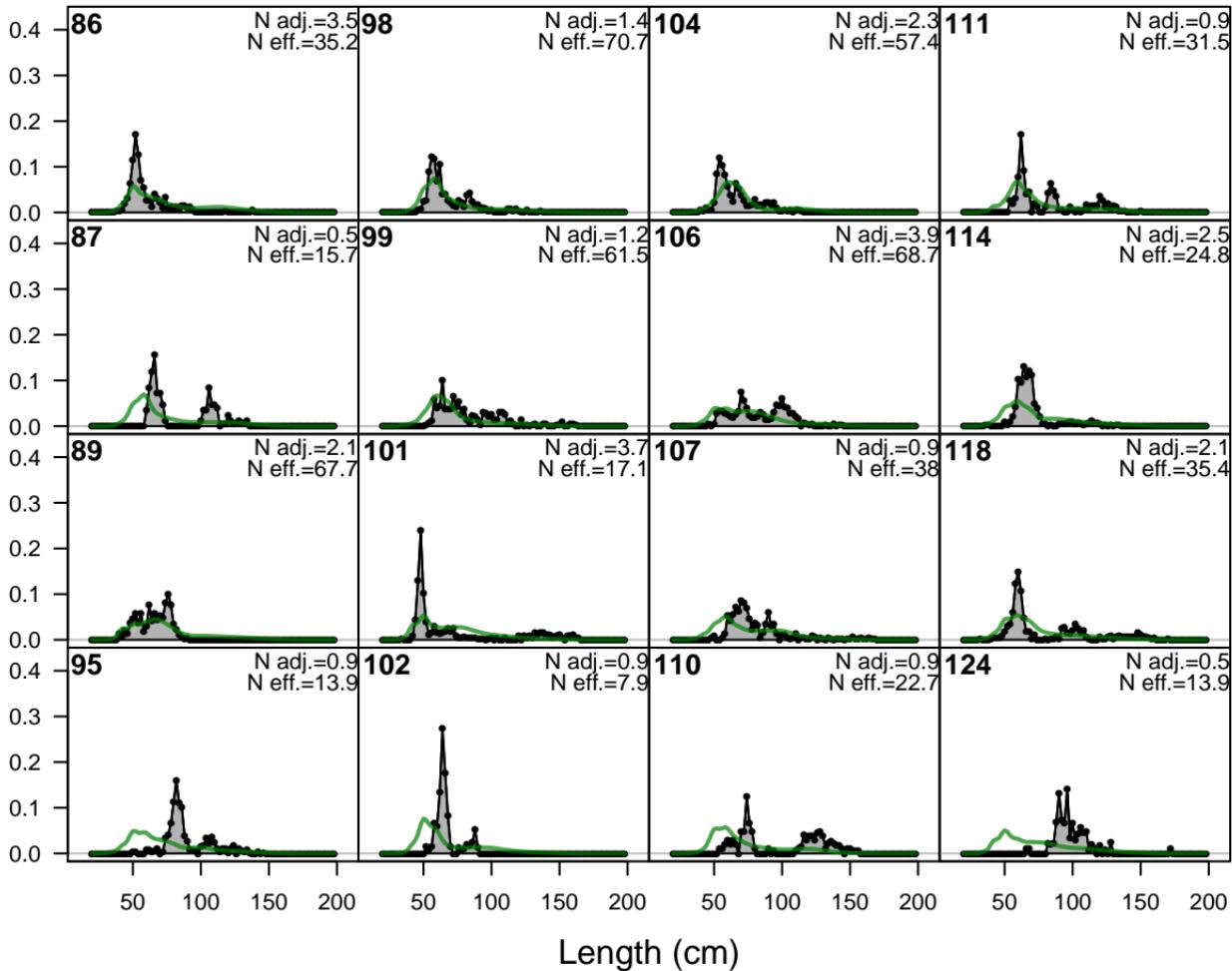
Proportion



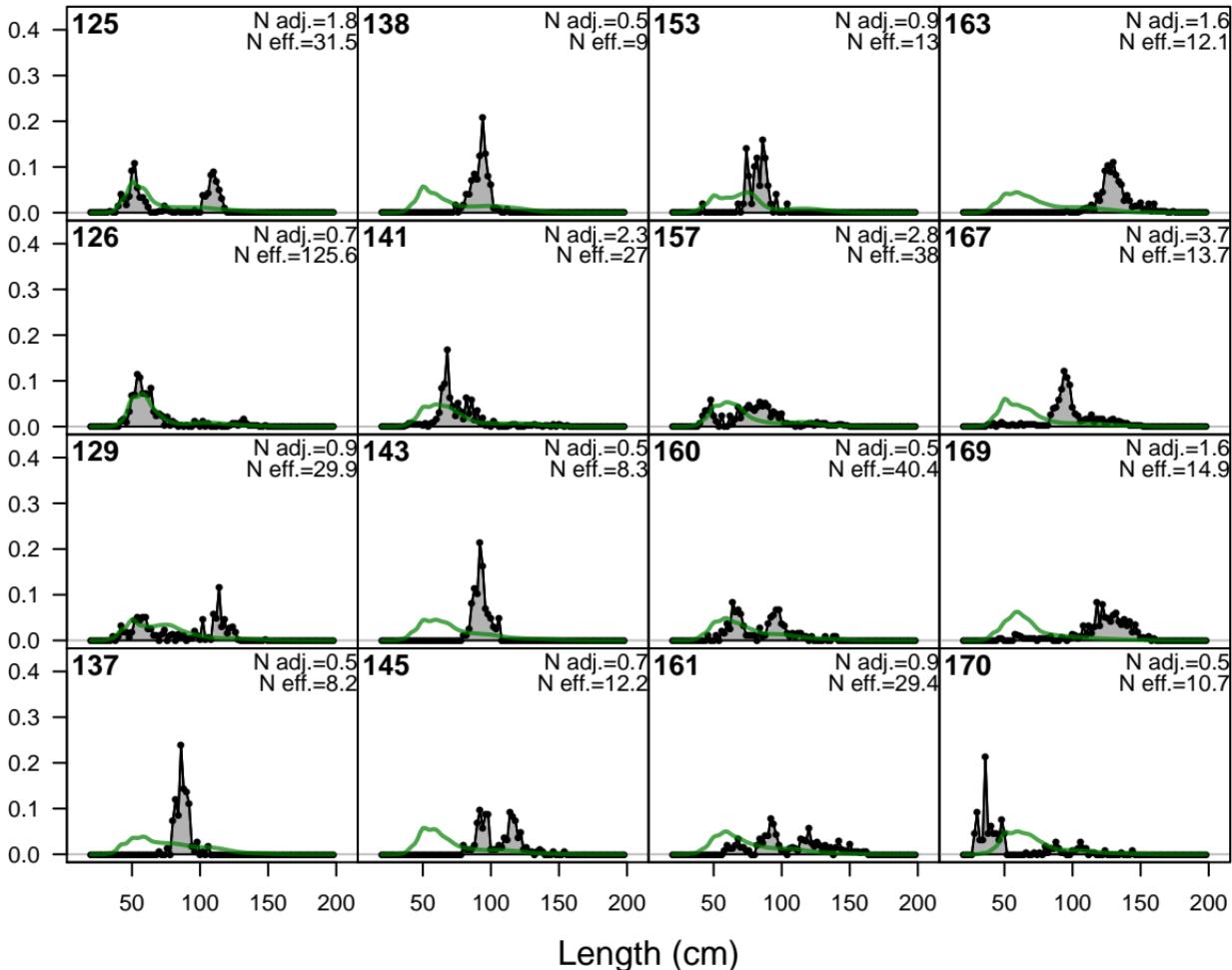
Proportion

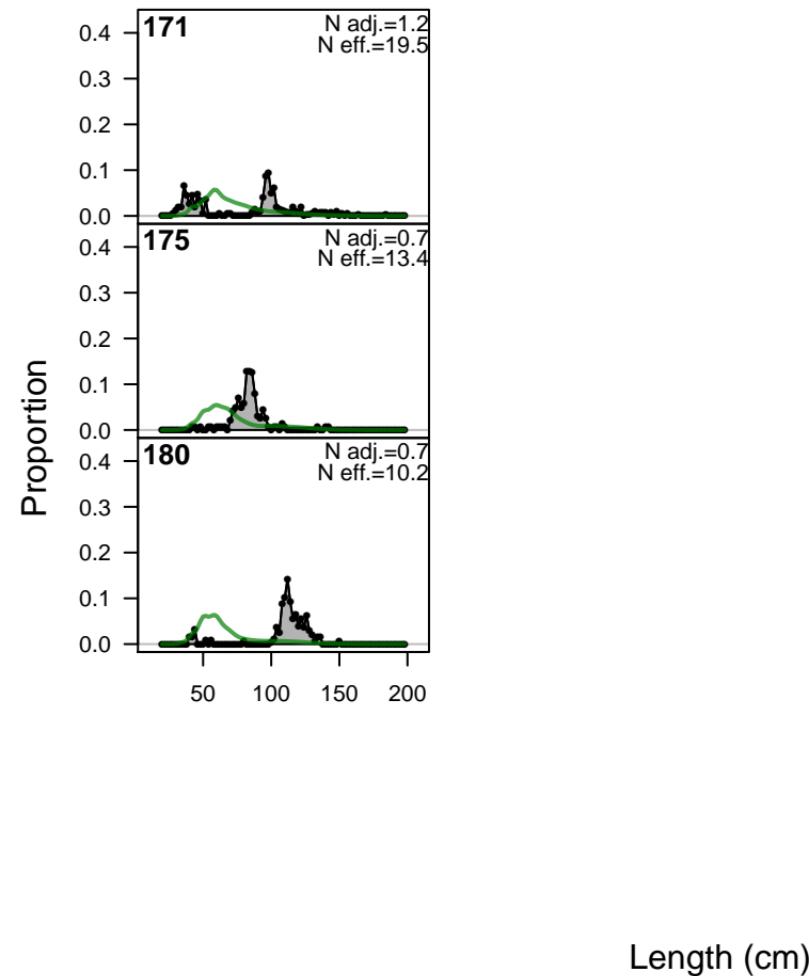


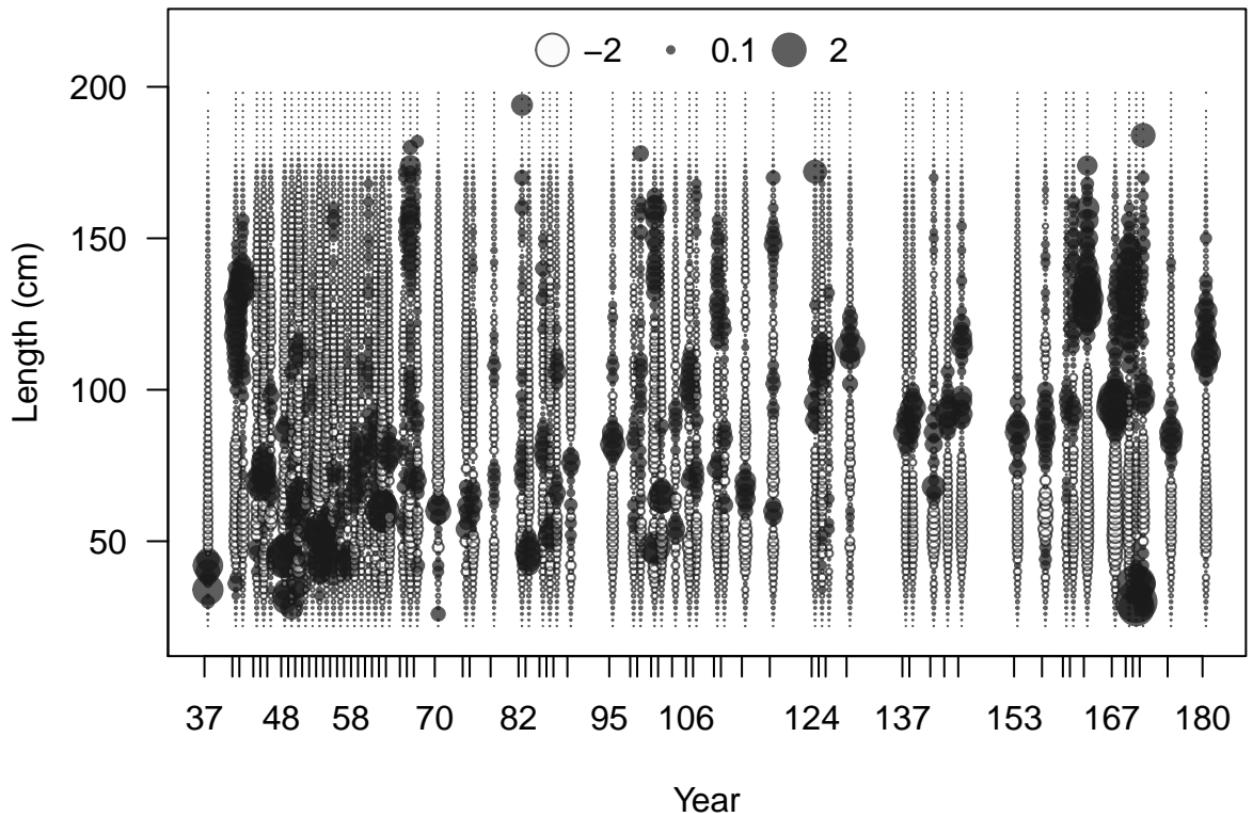
Proportion

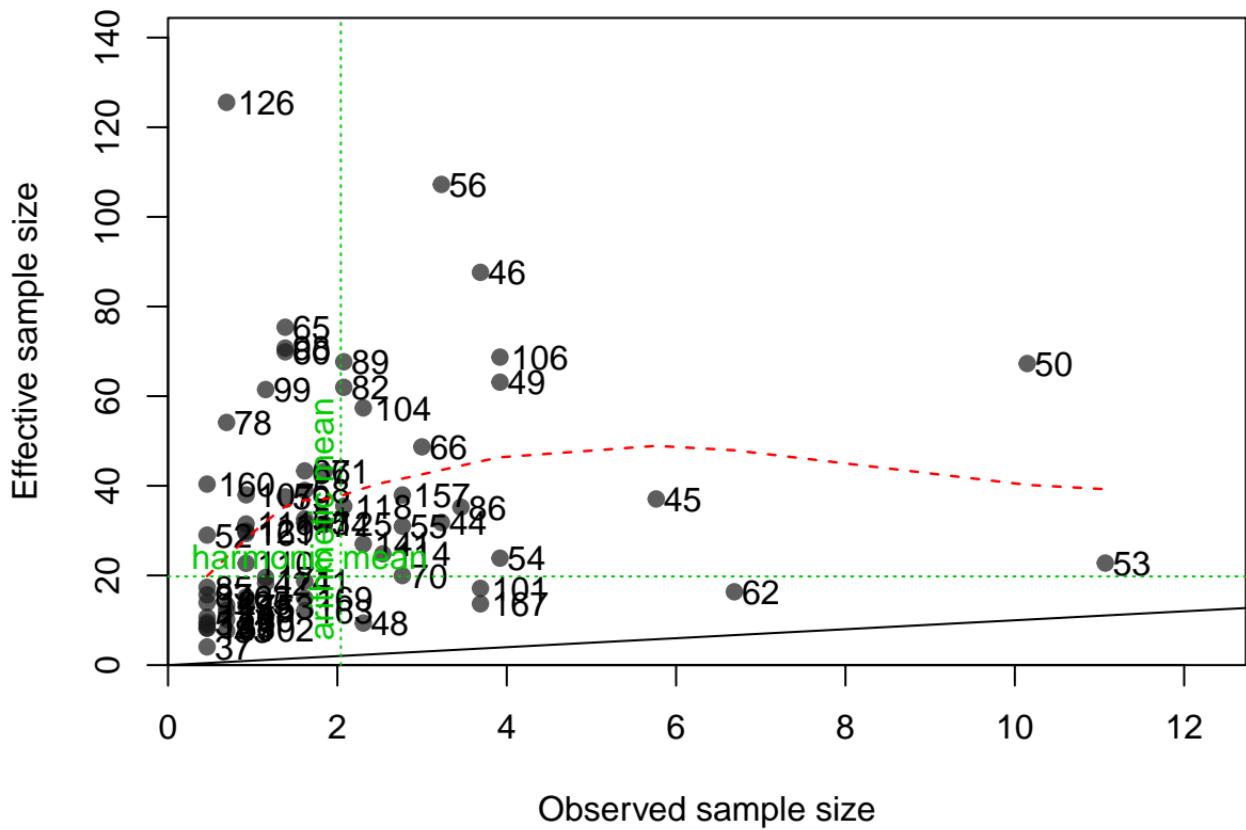


Proportion

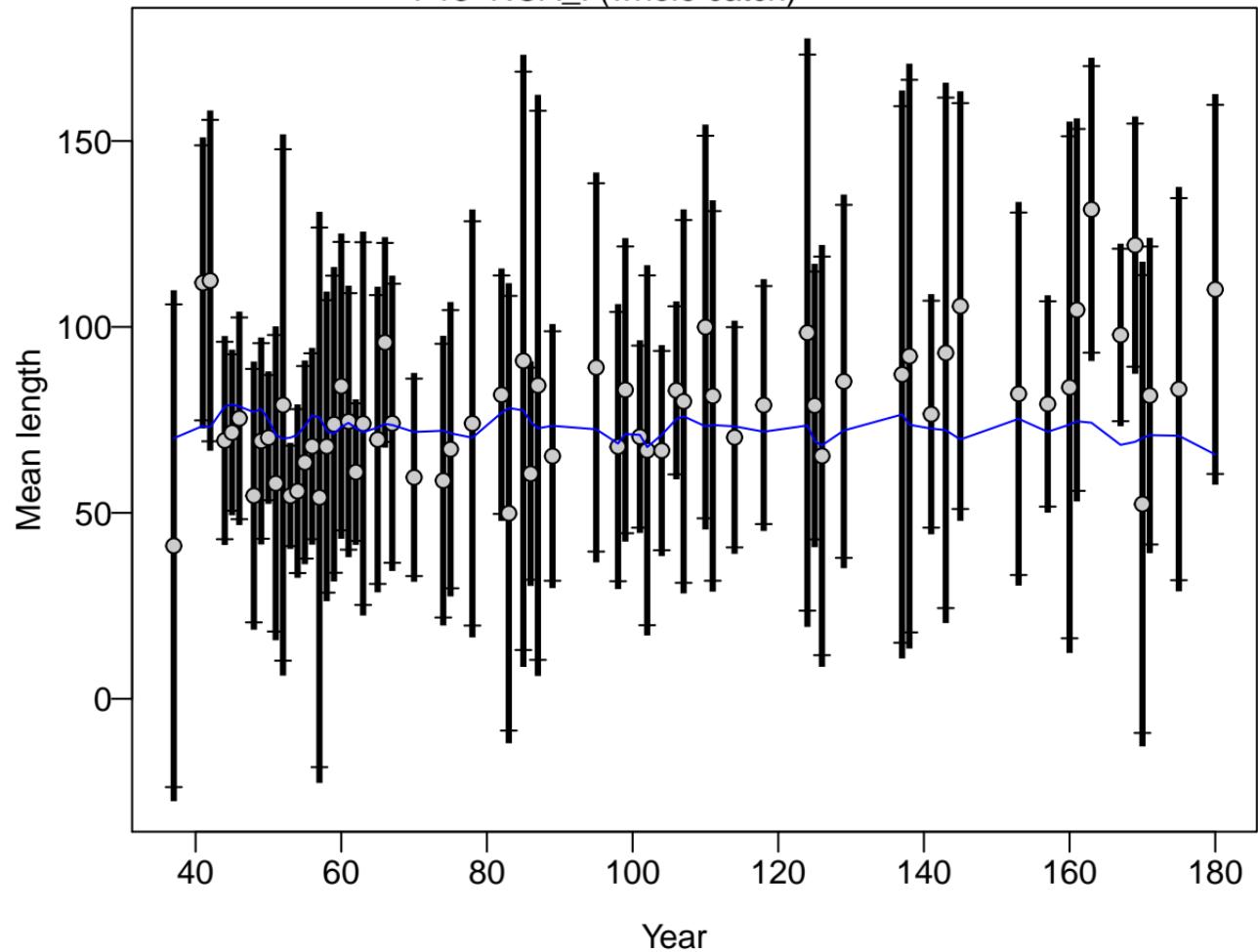




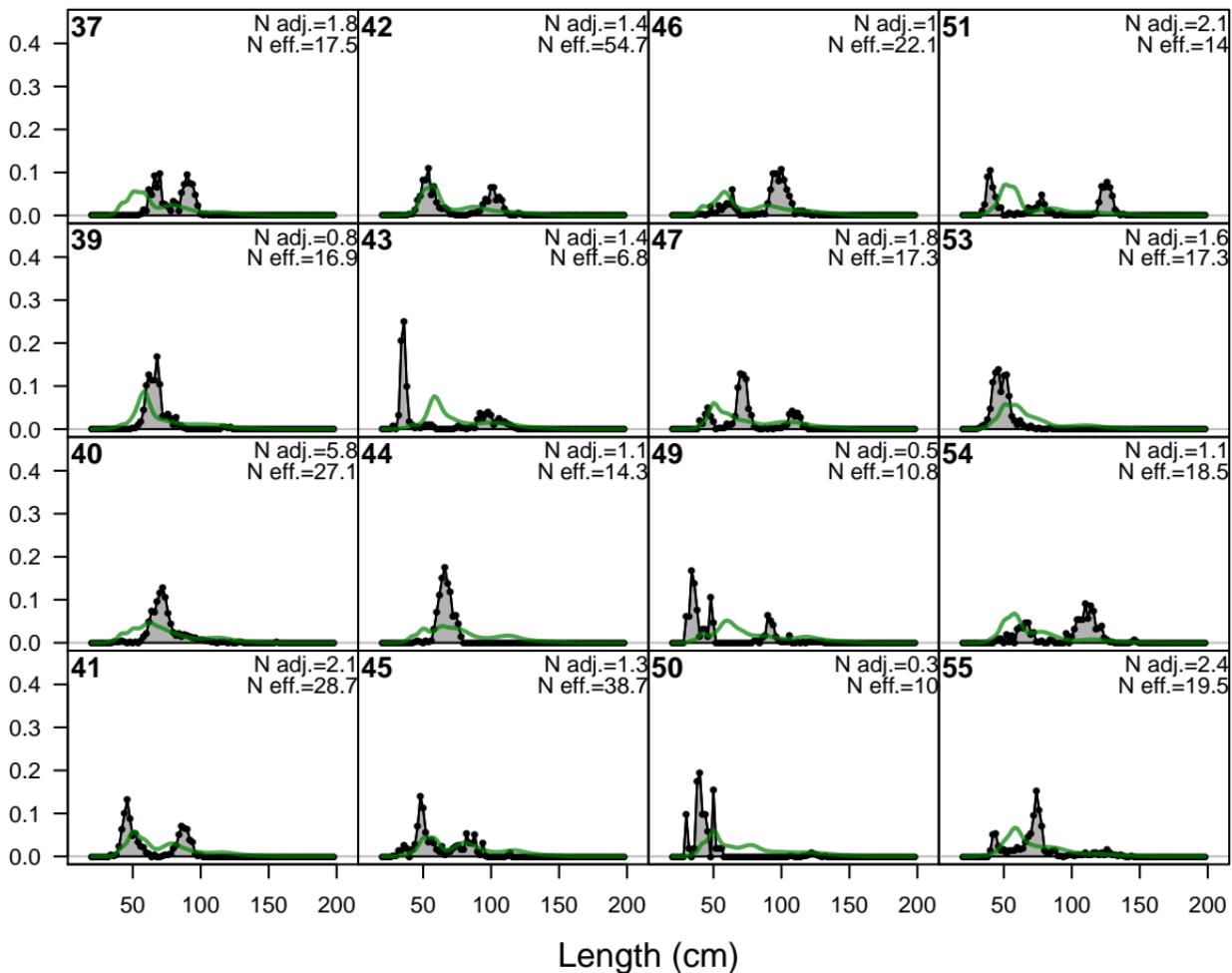




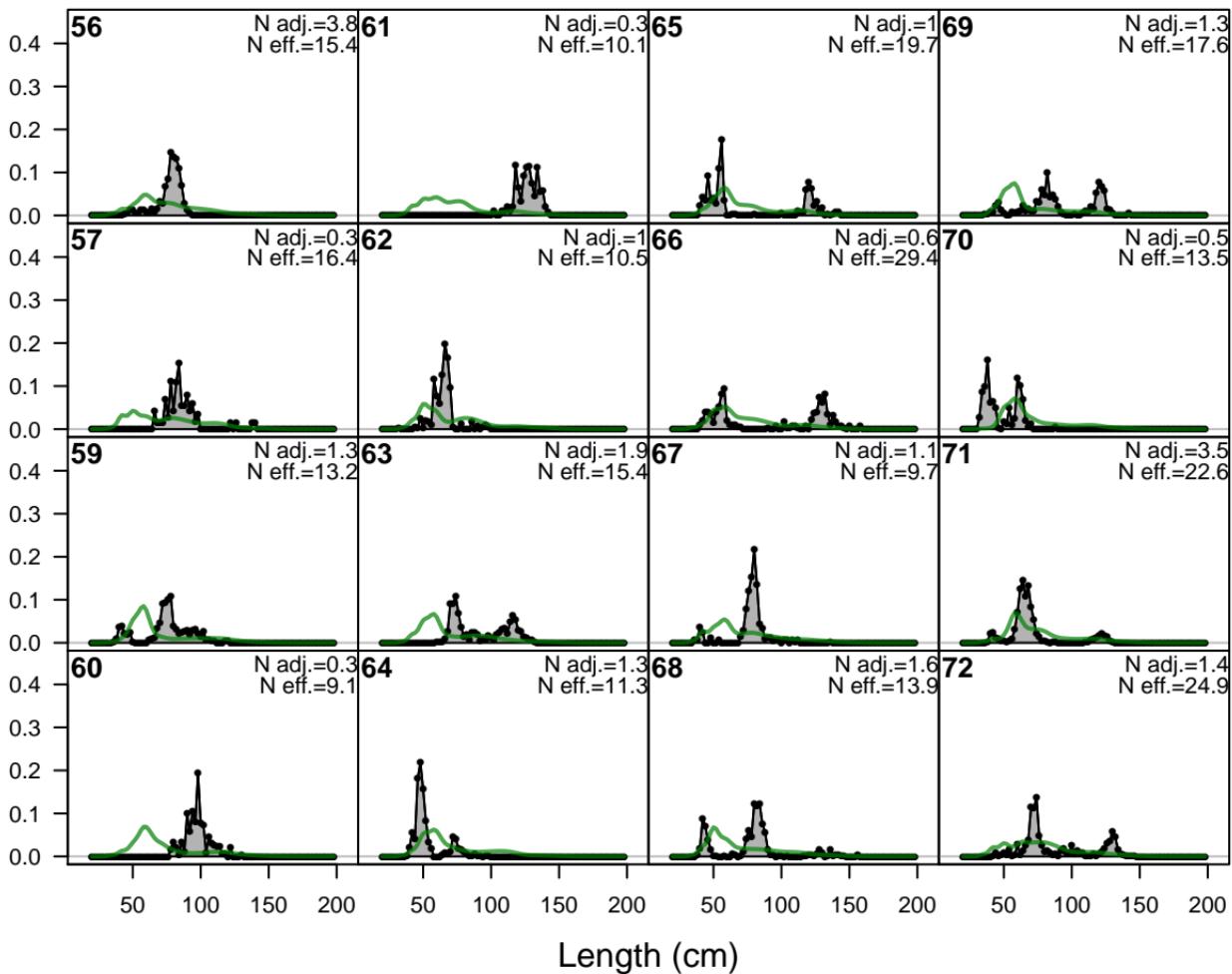
F13–NOA_I (whole catch)



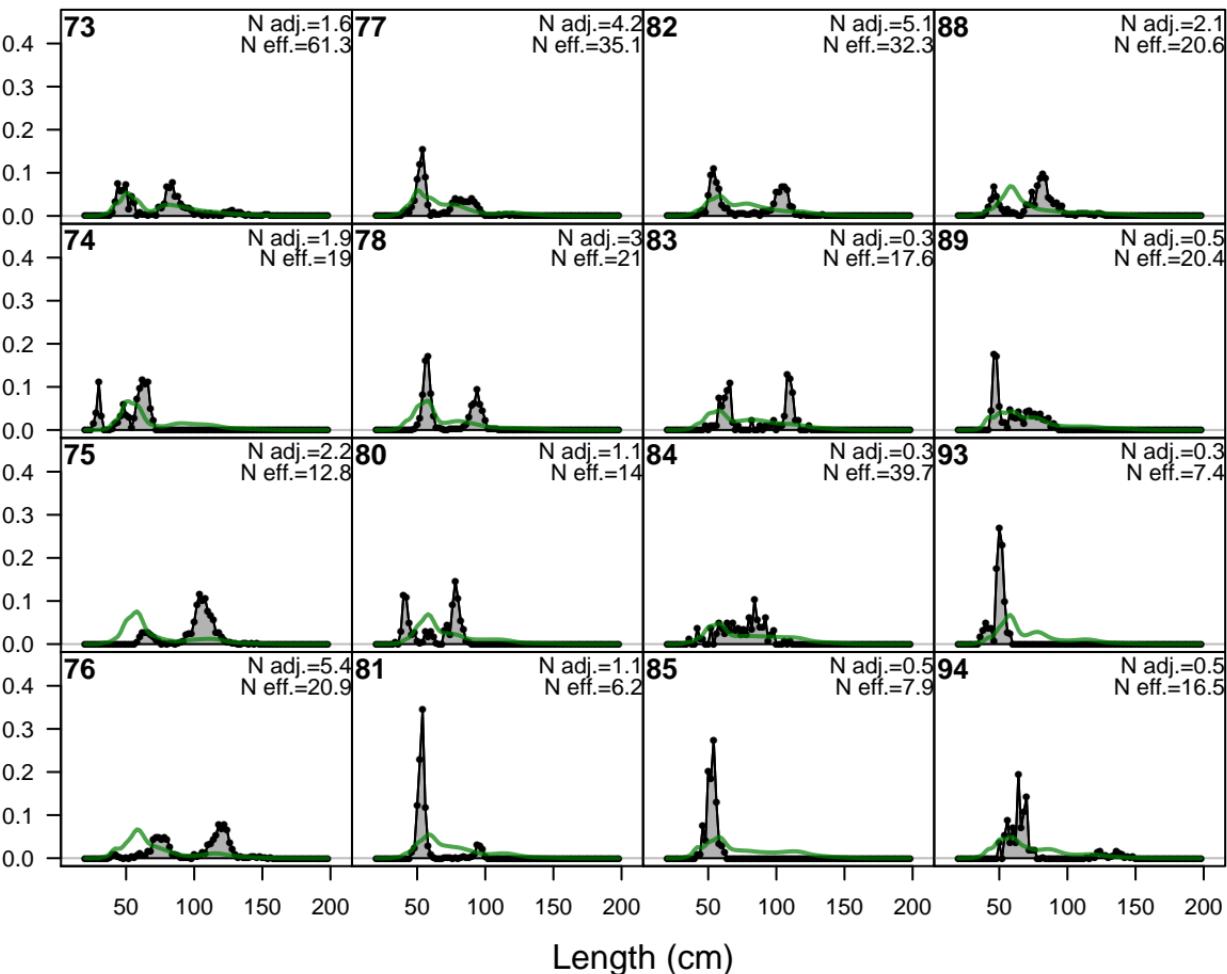
Proportion



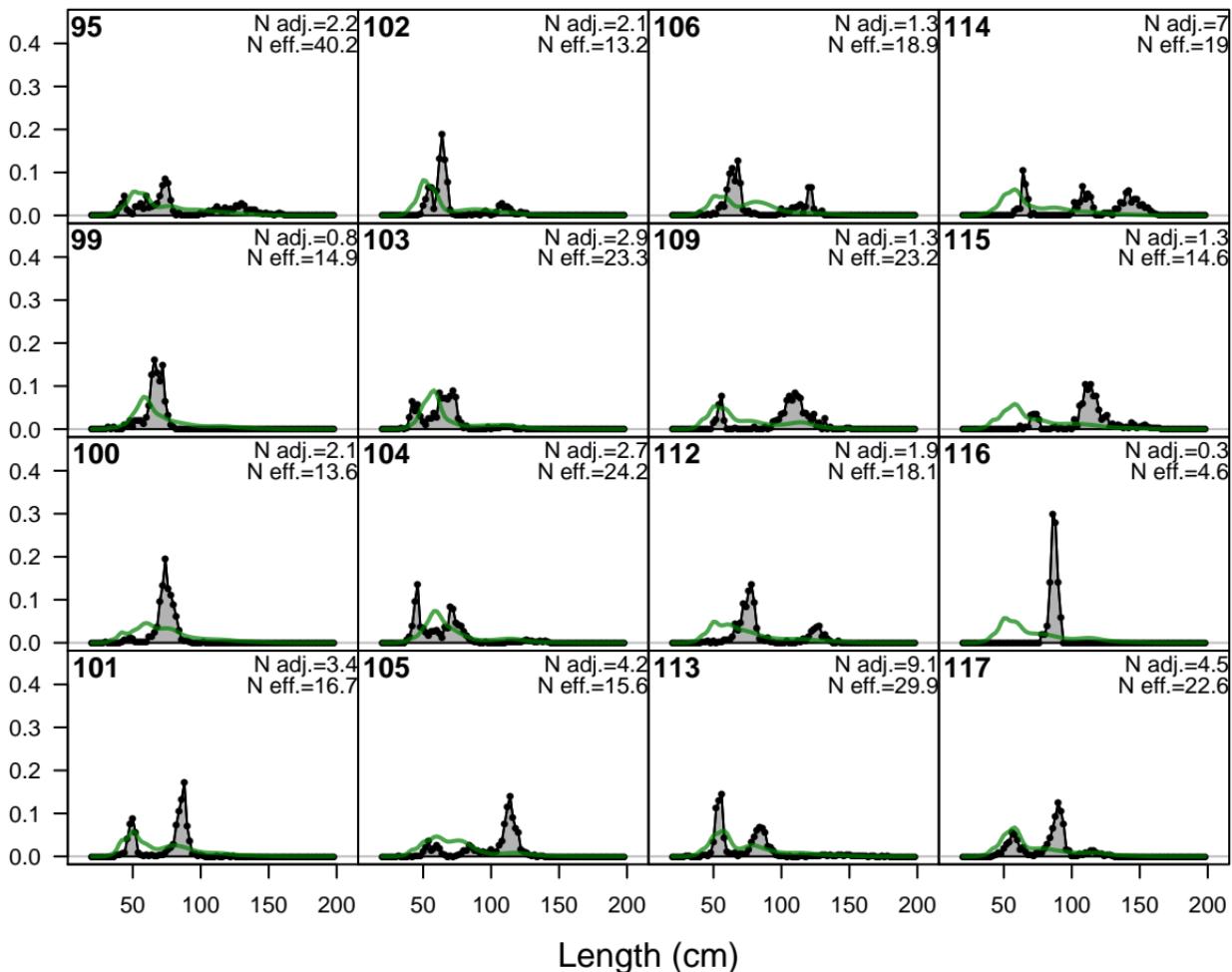
Proportion



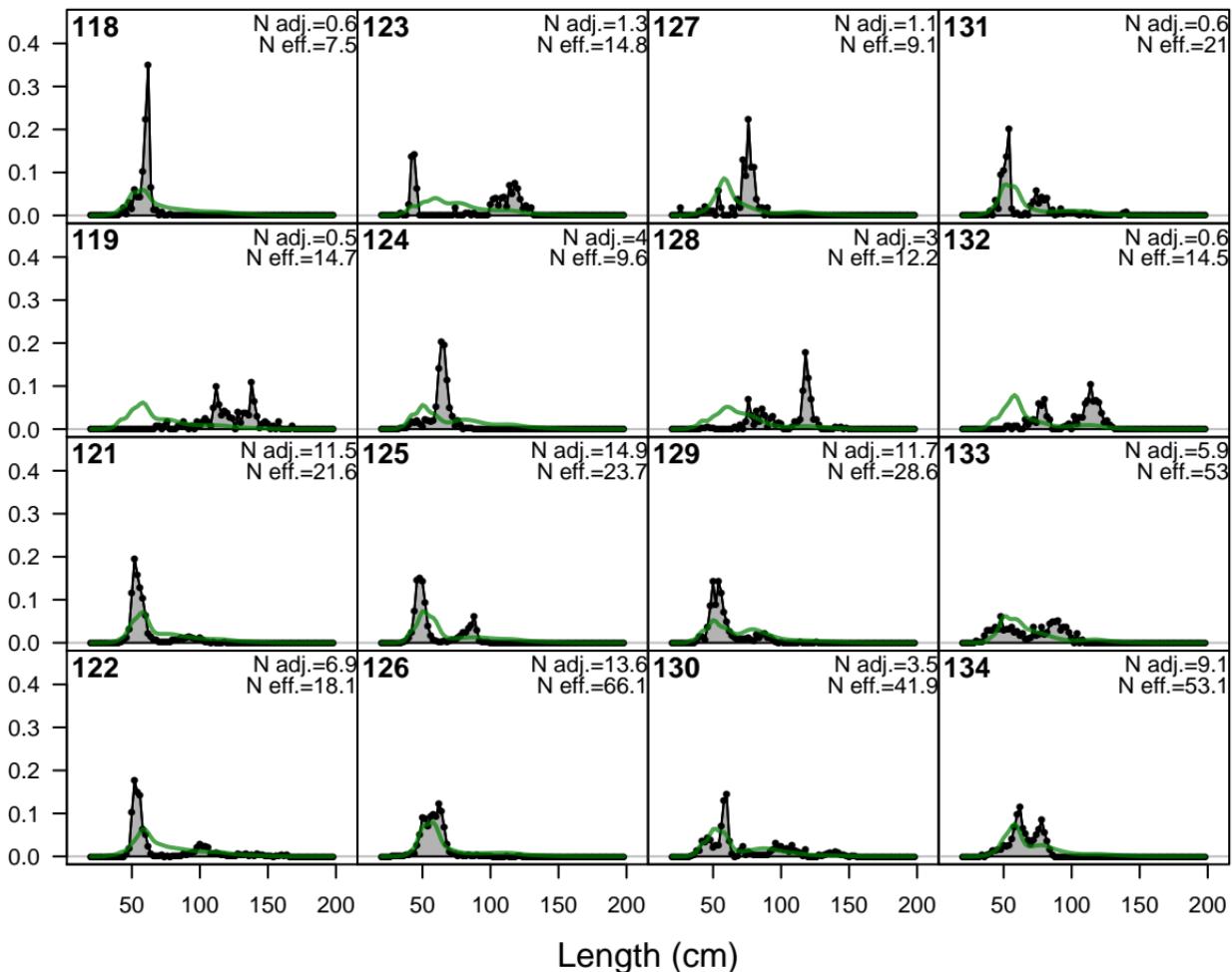
Proportion



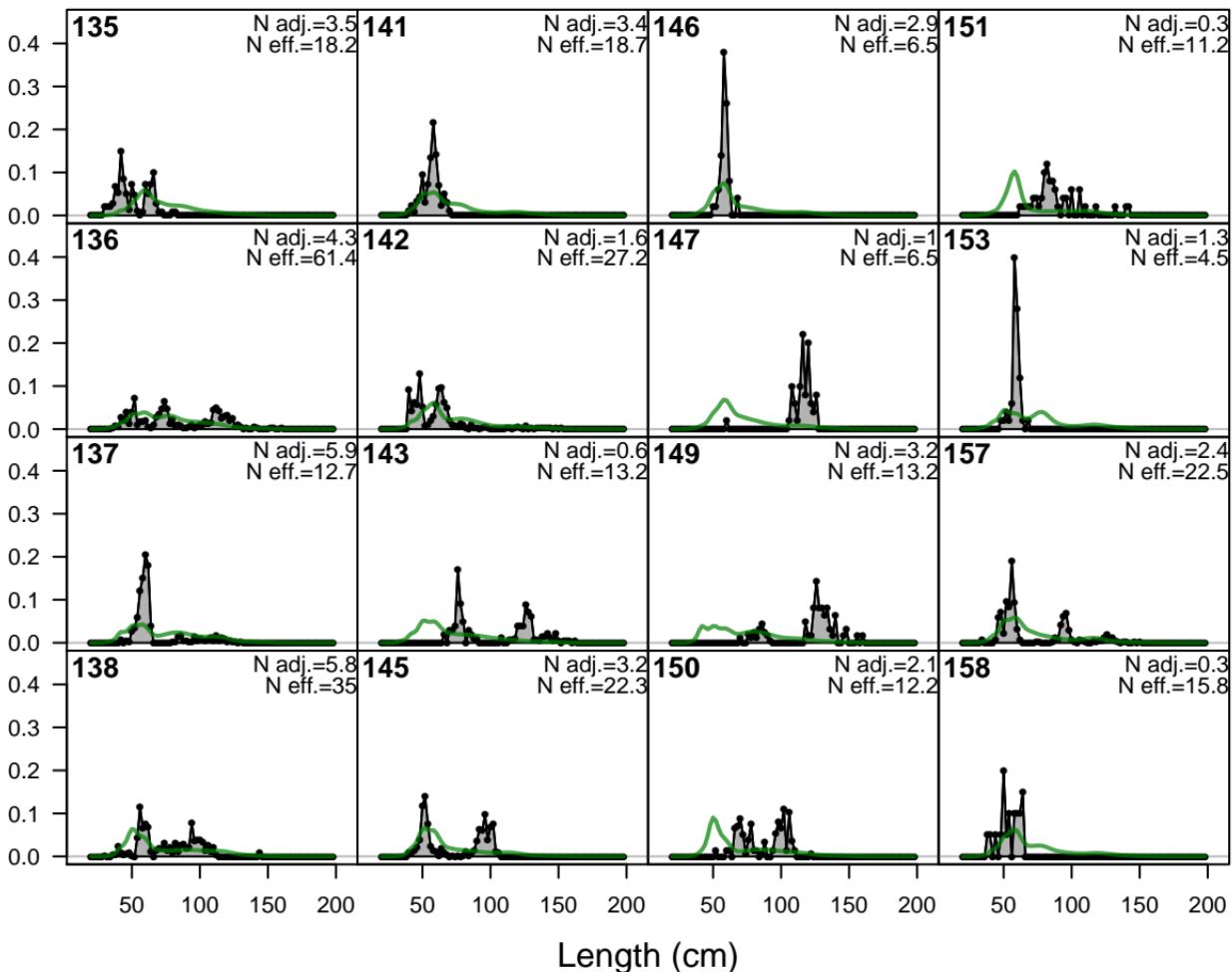
Proportion



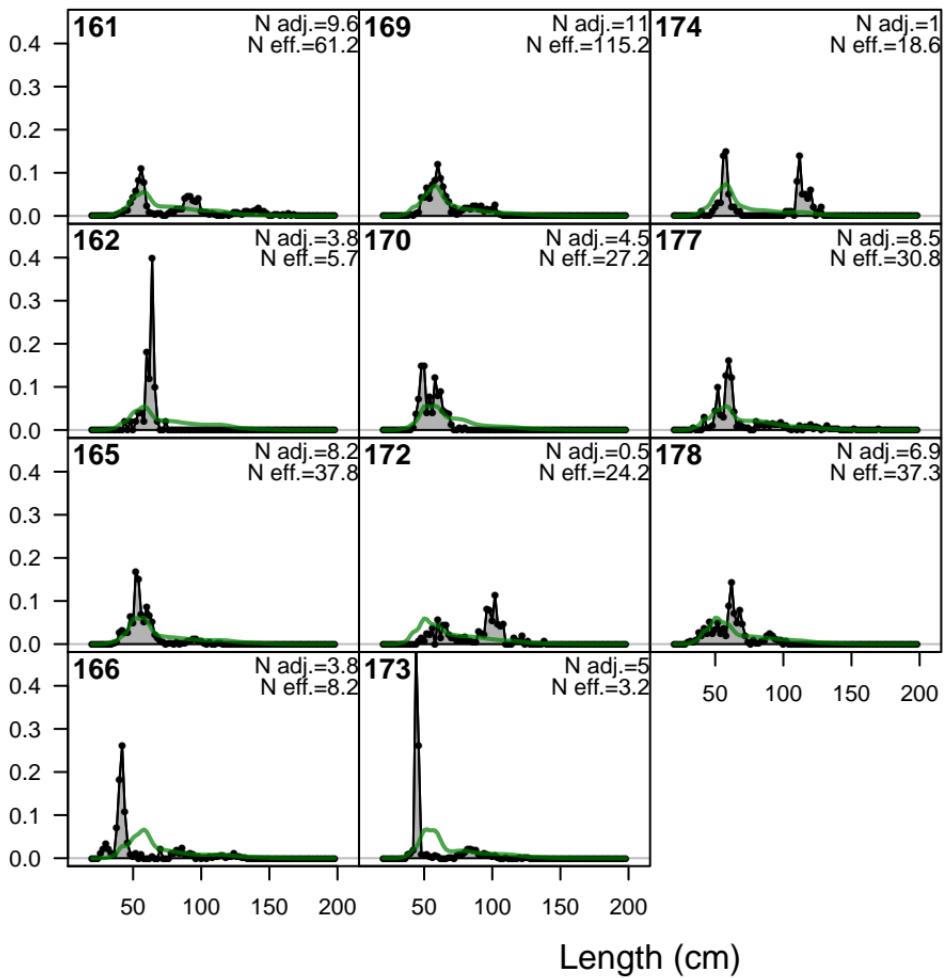
Proportion

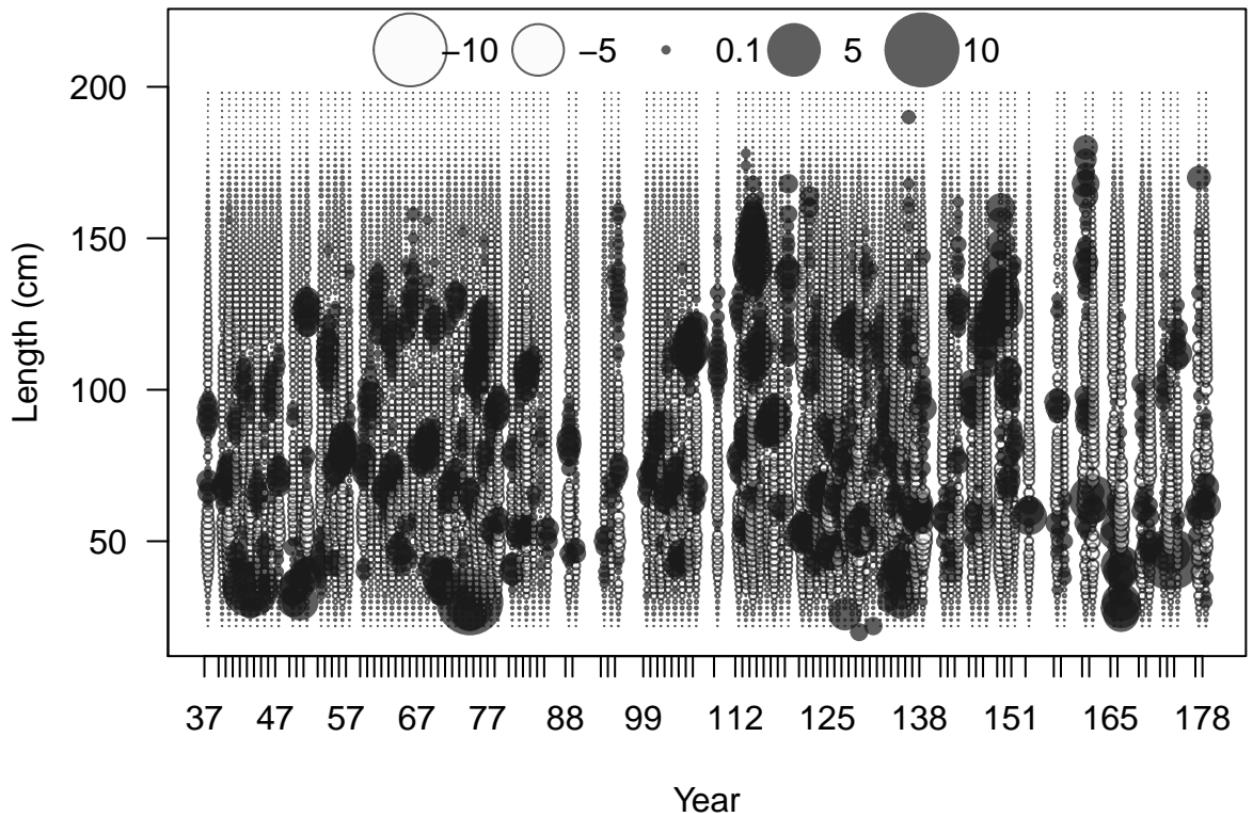


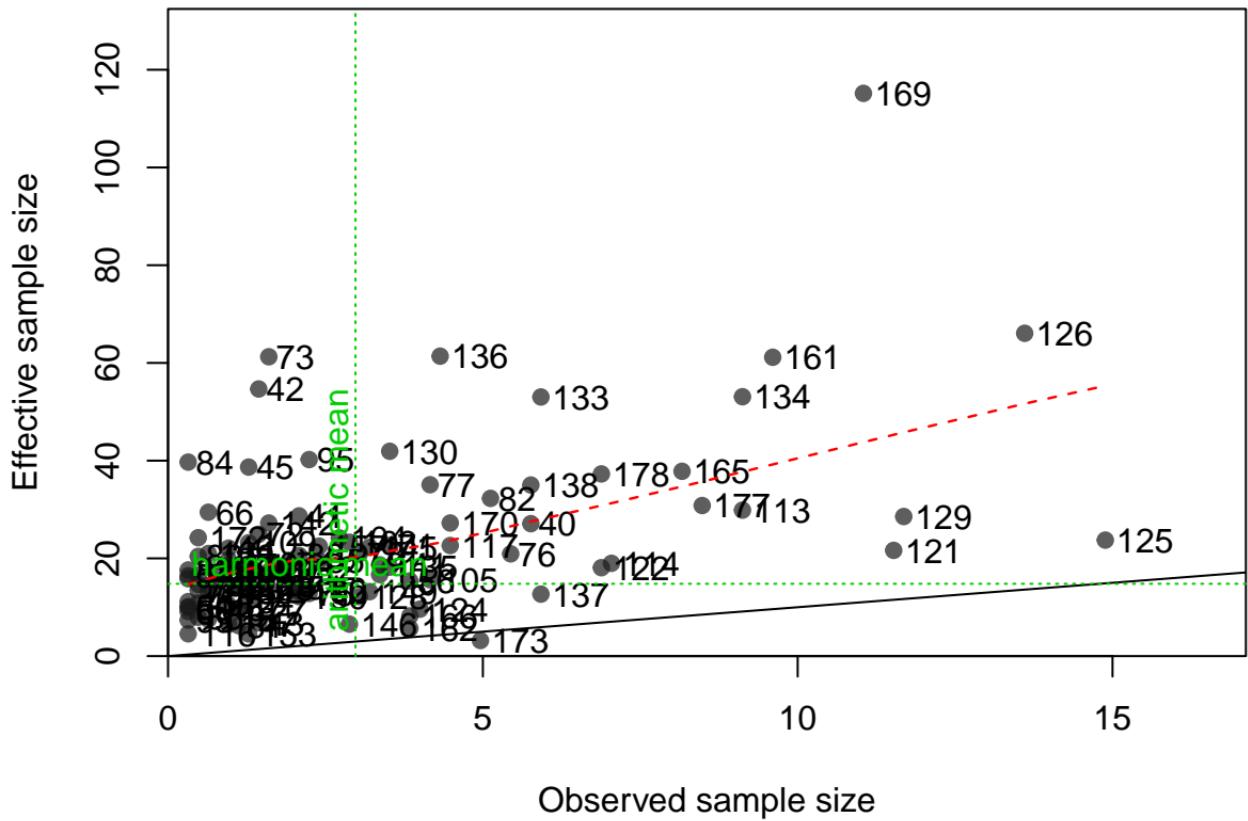
Proportion



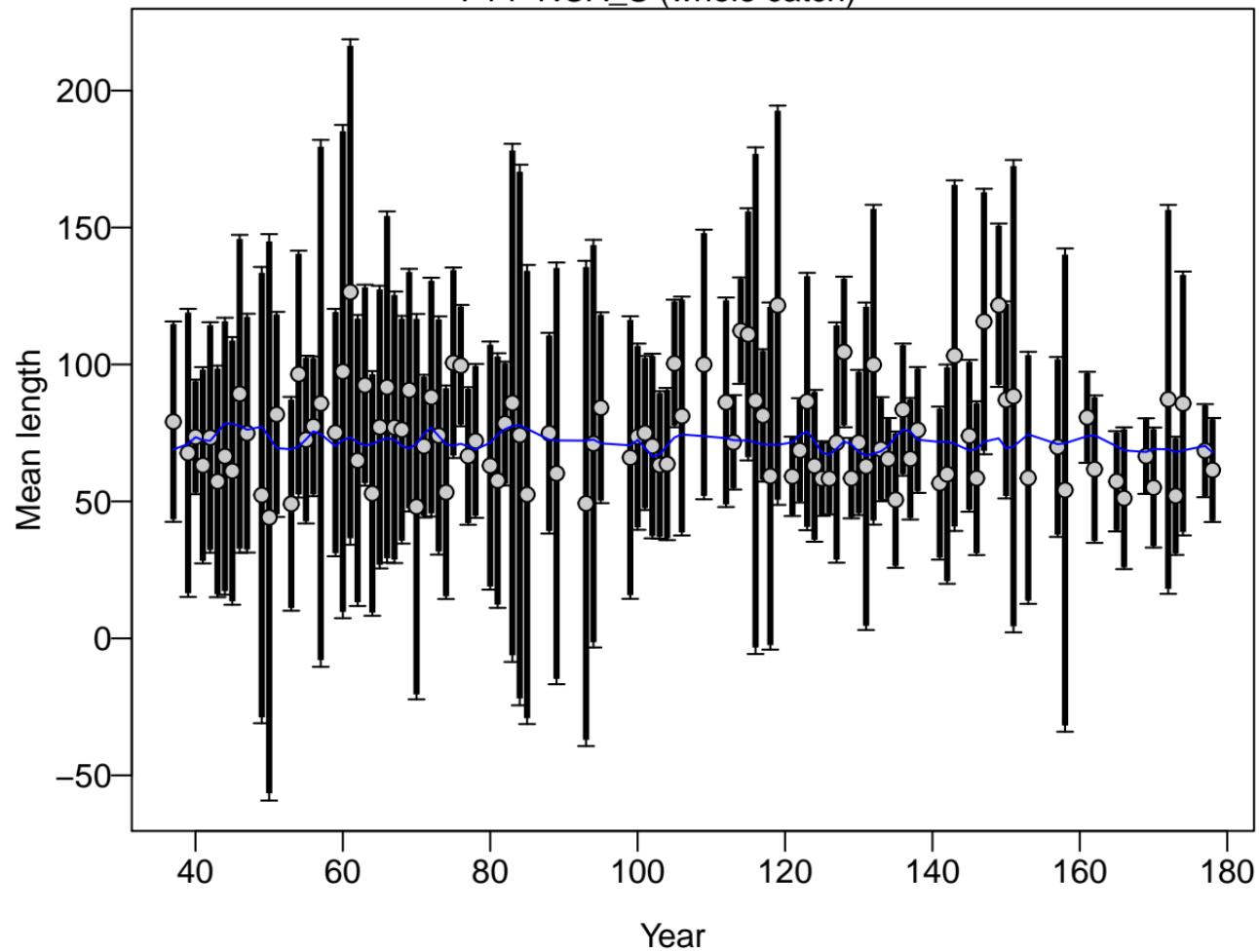
Proportion



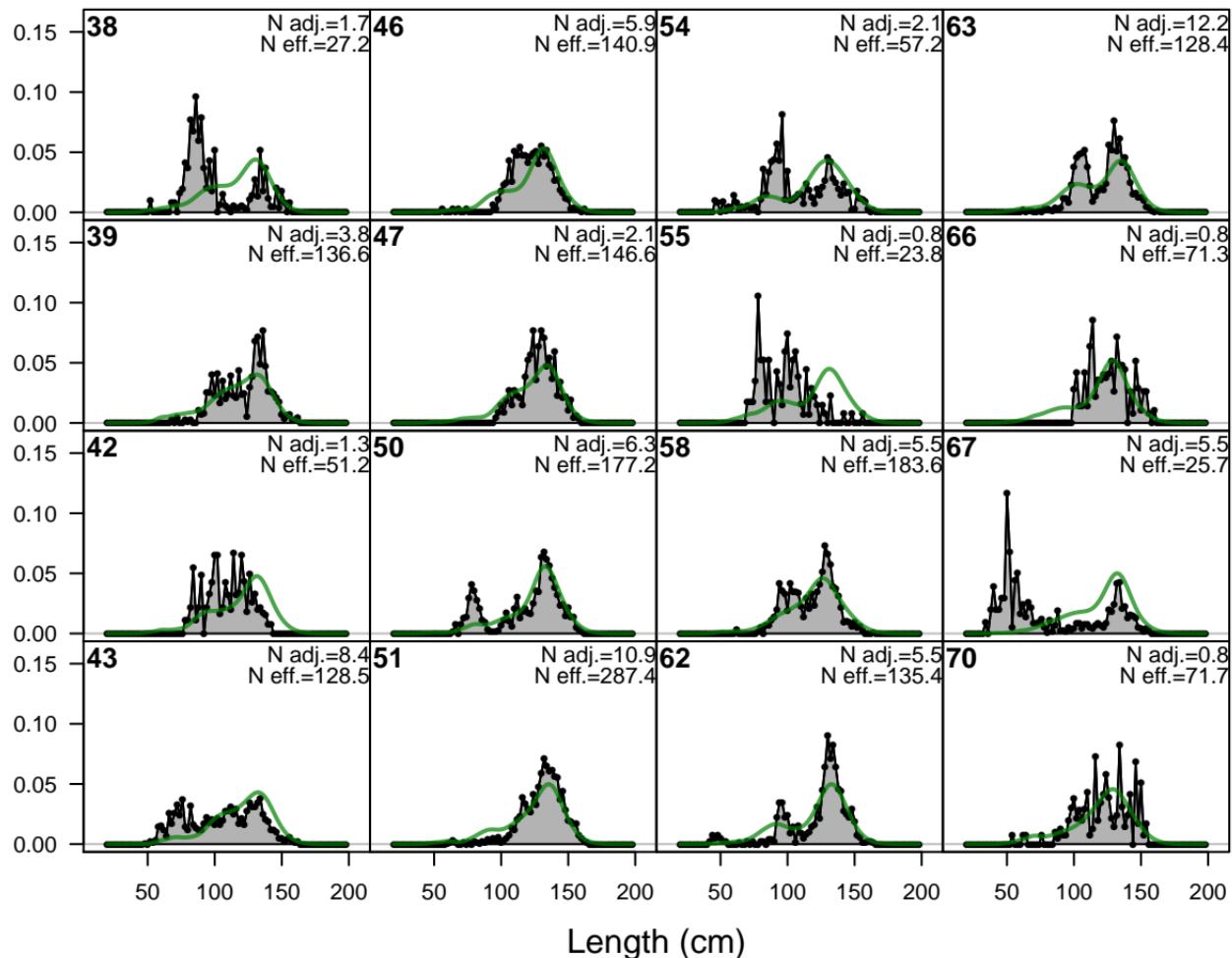




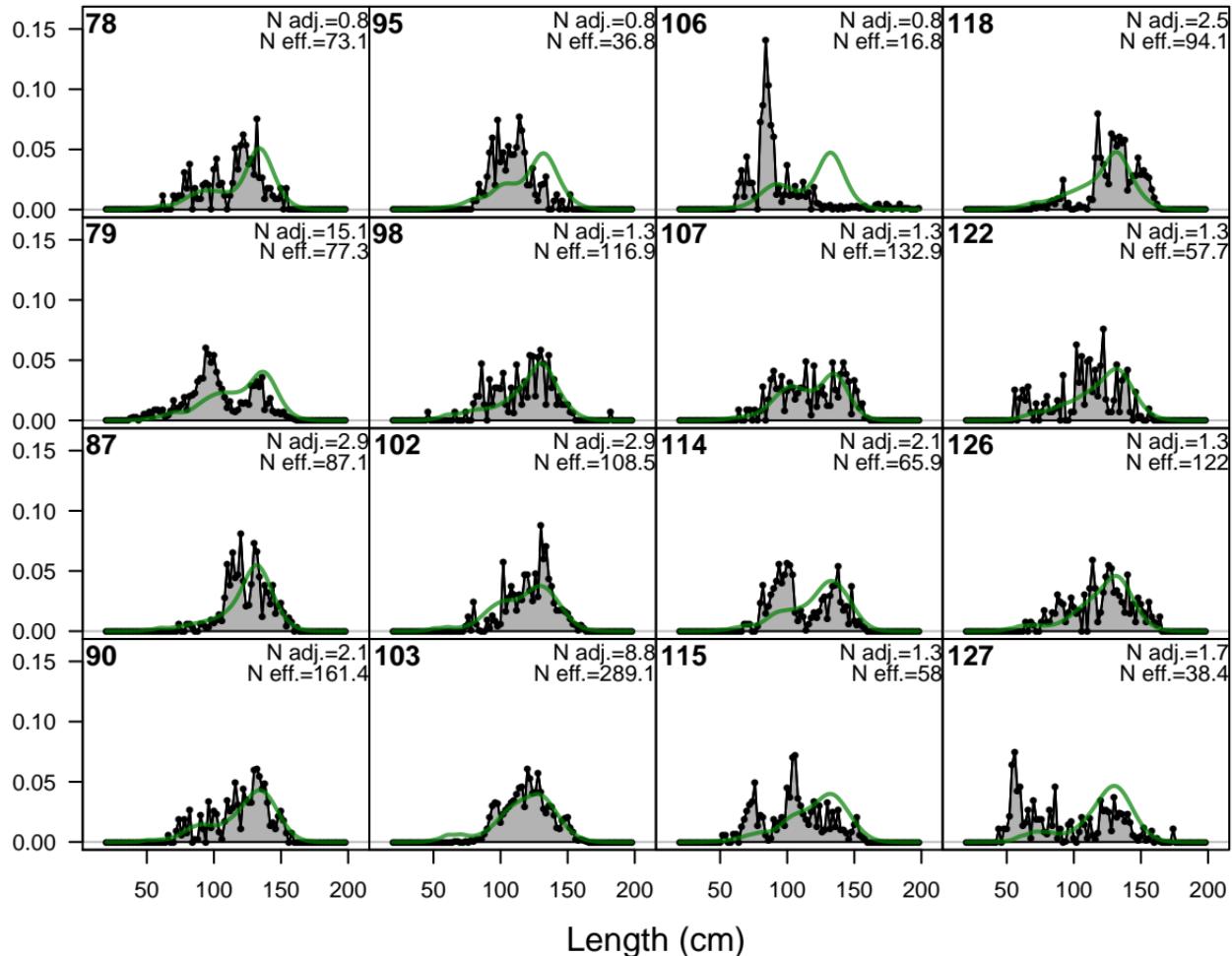
F14-NOA_S (whole catch)



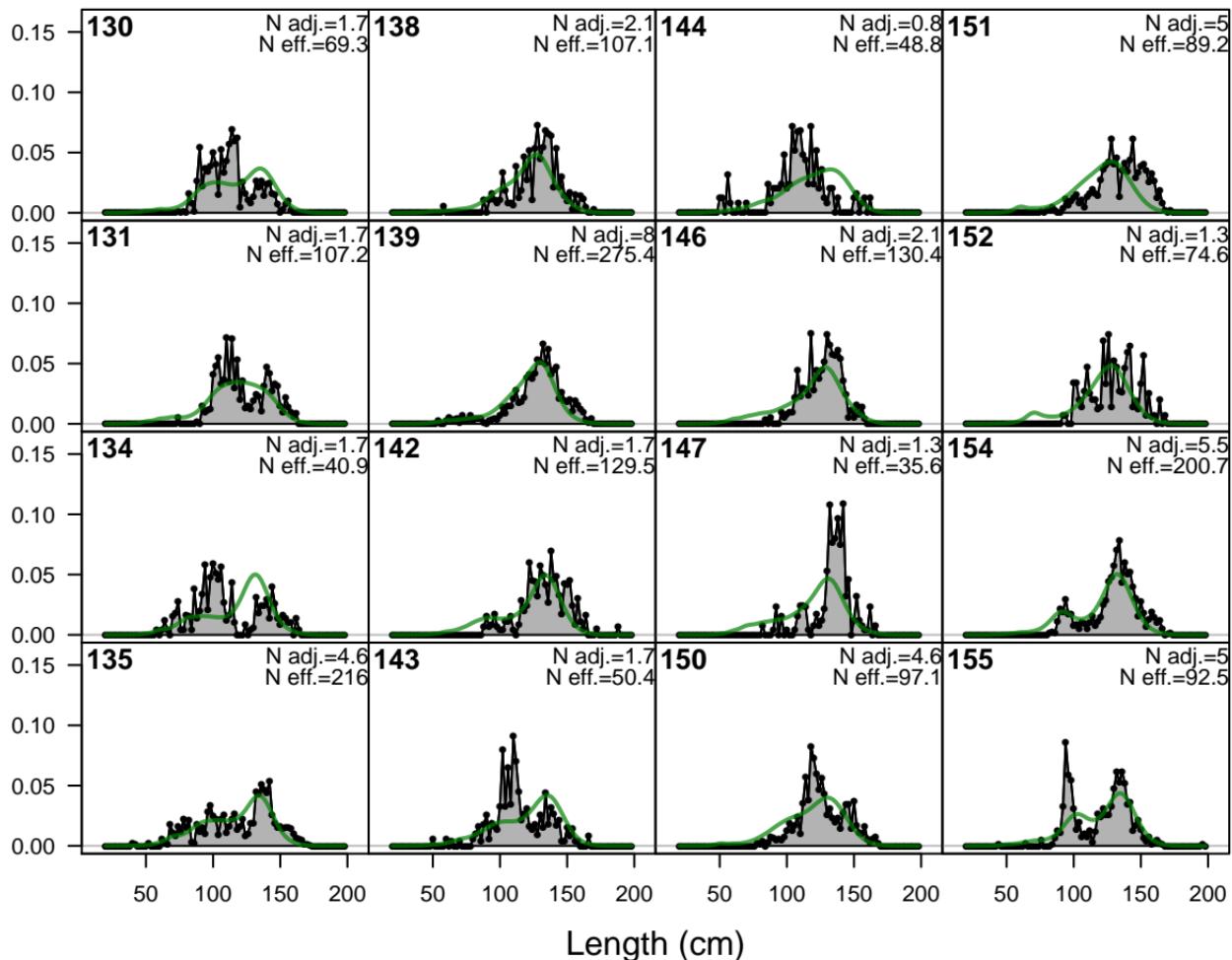
Proportion



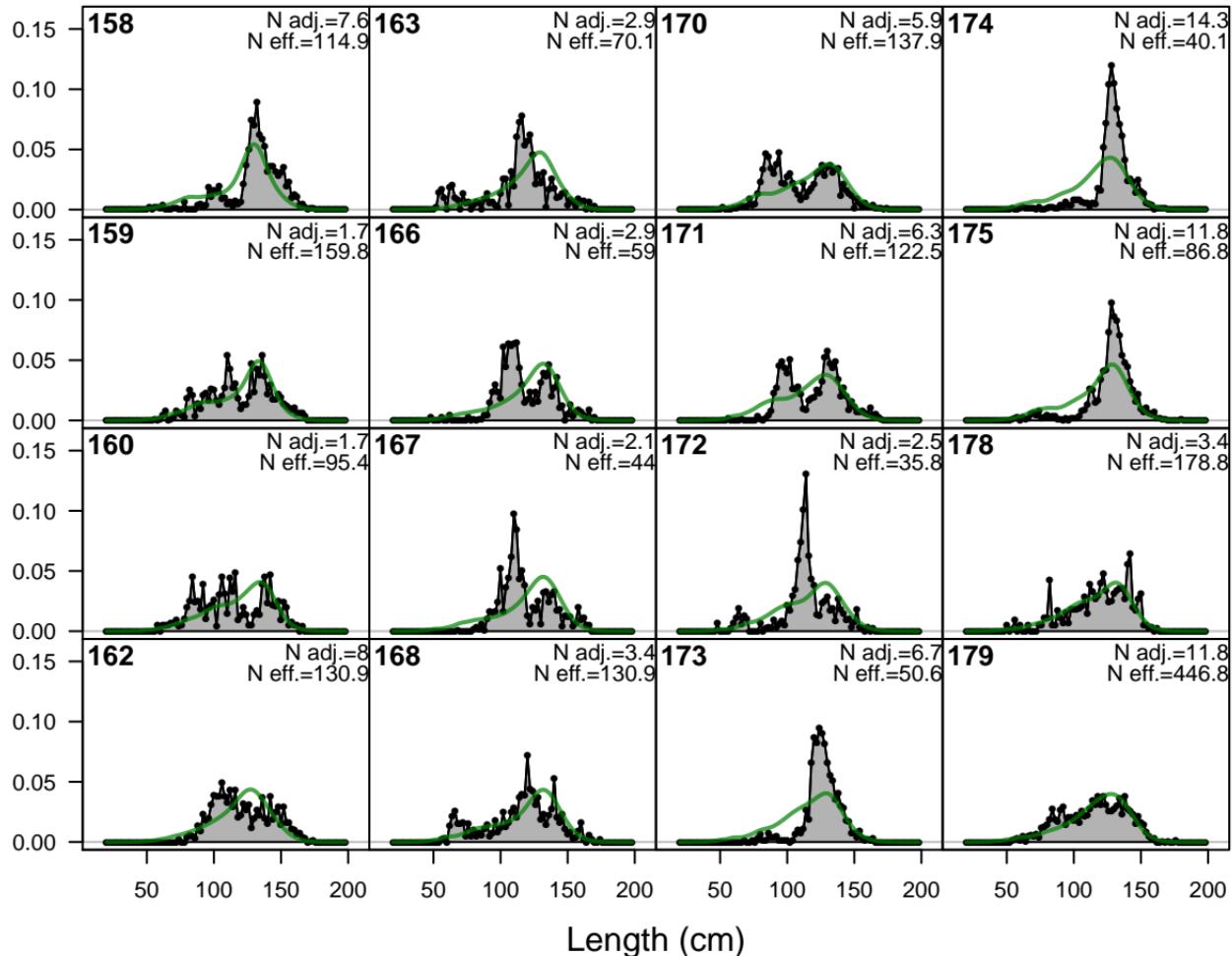
Proportion



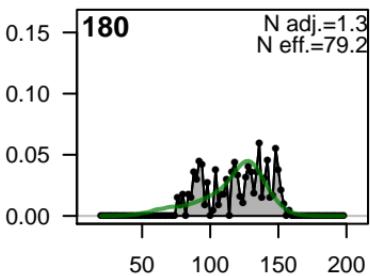
Proportion



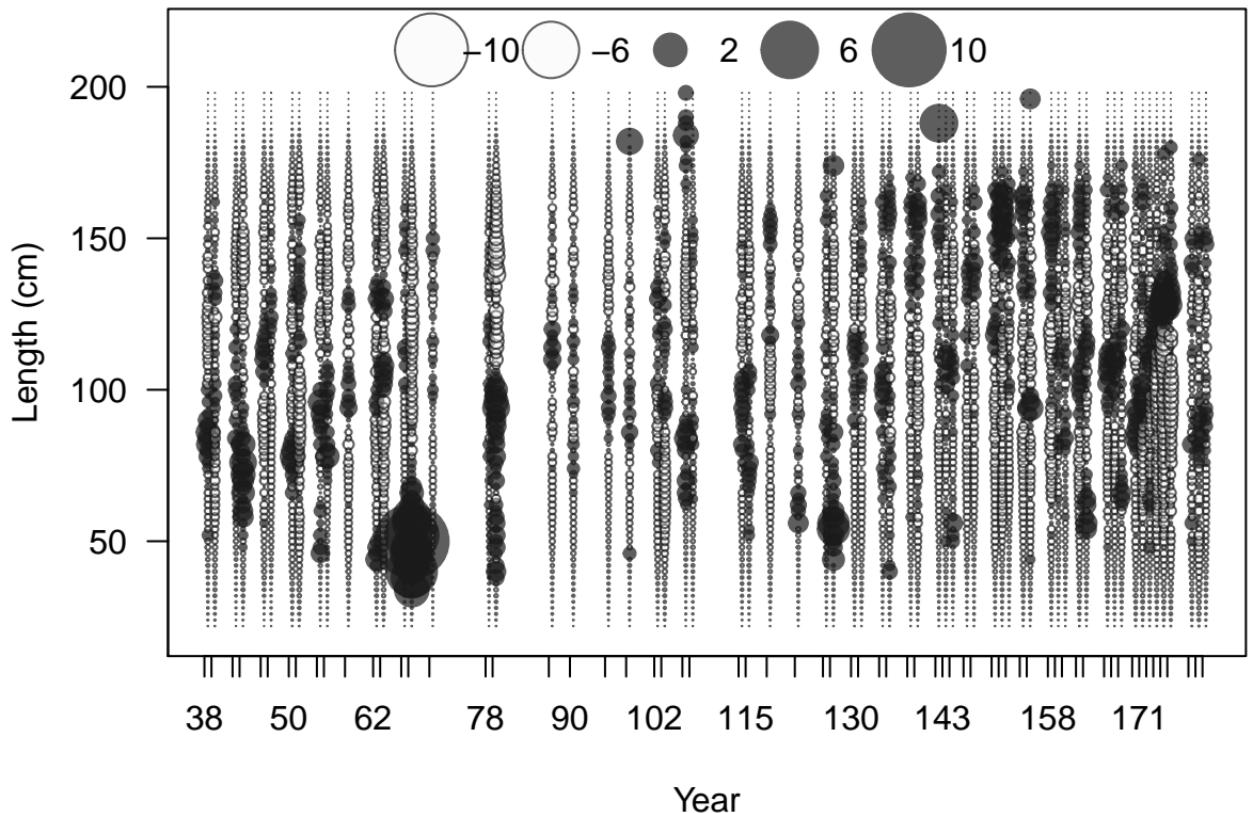
Proportion

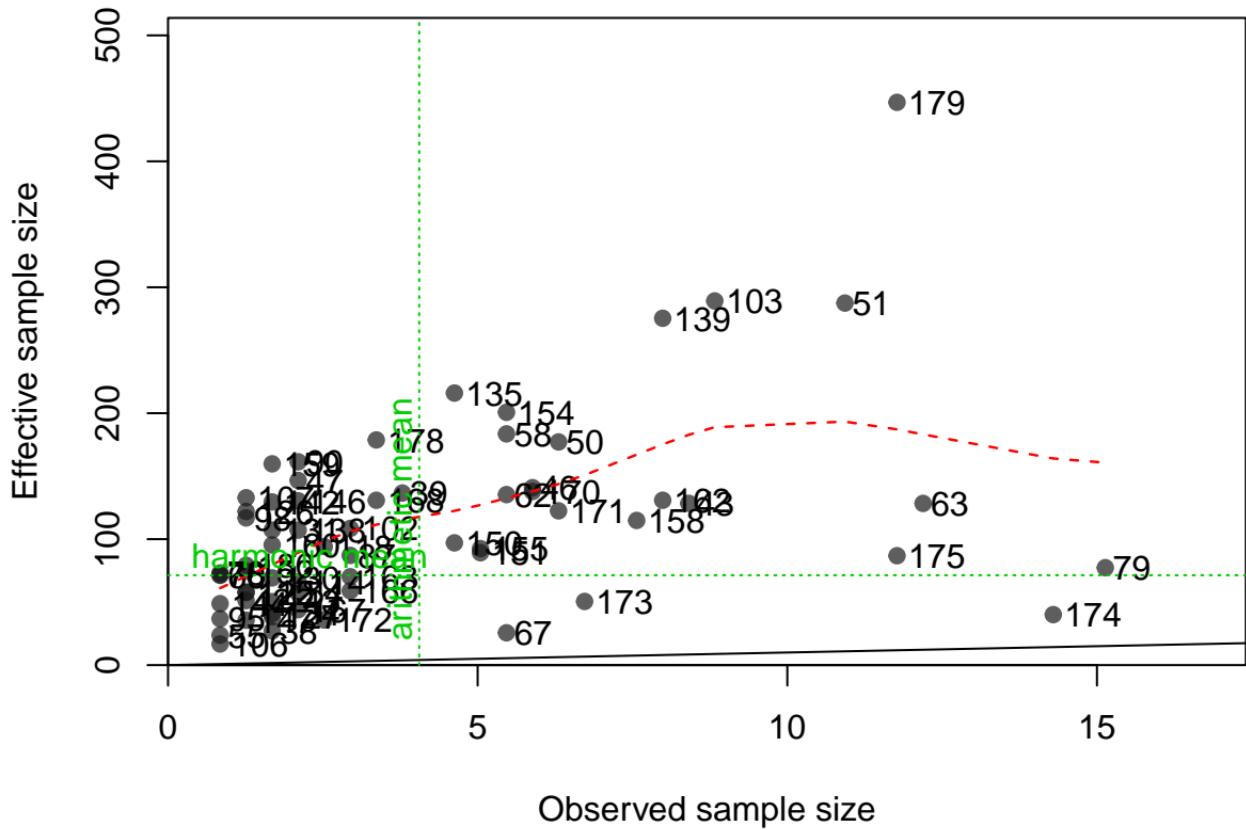


Proportion

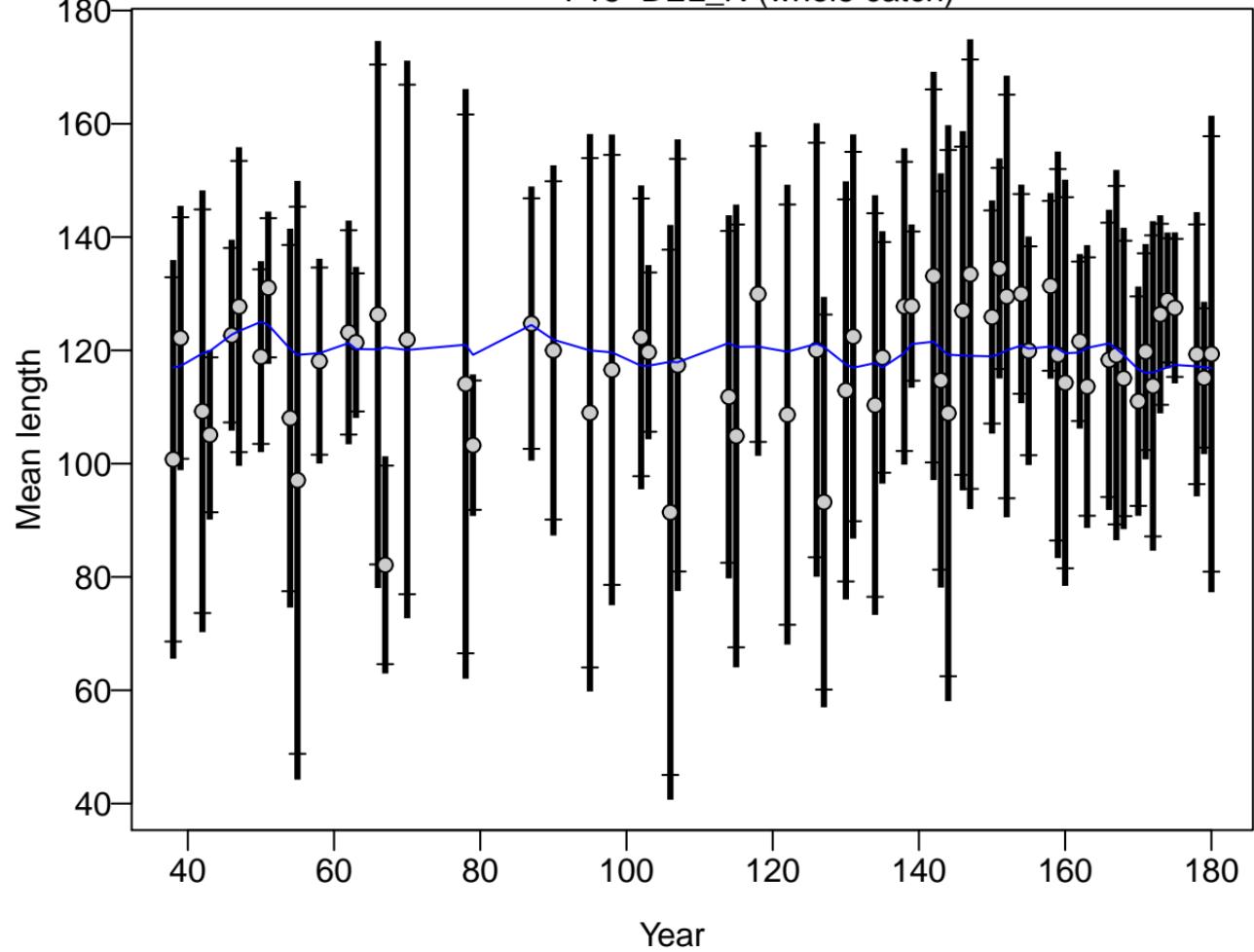


Length (cm)

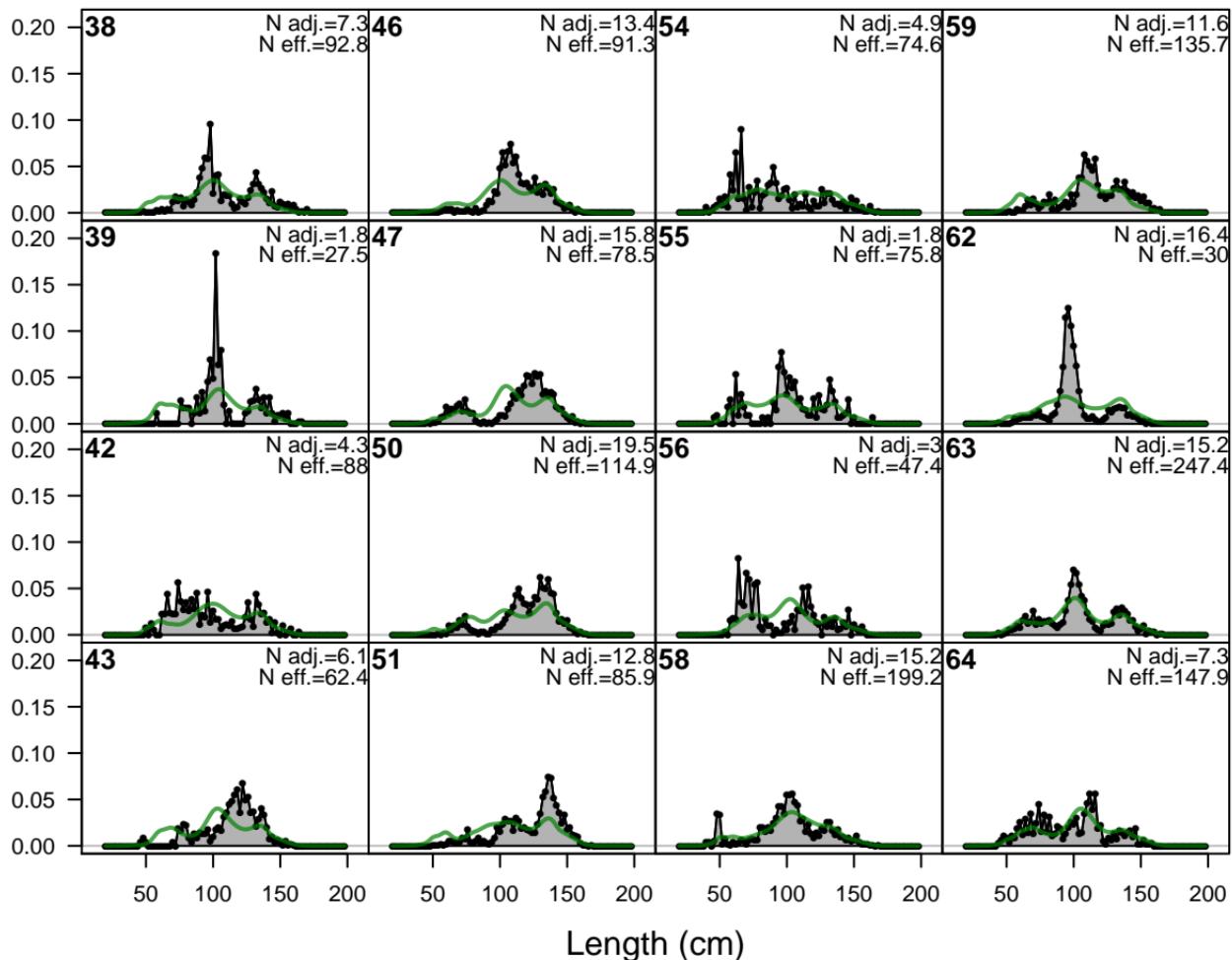




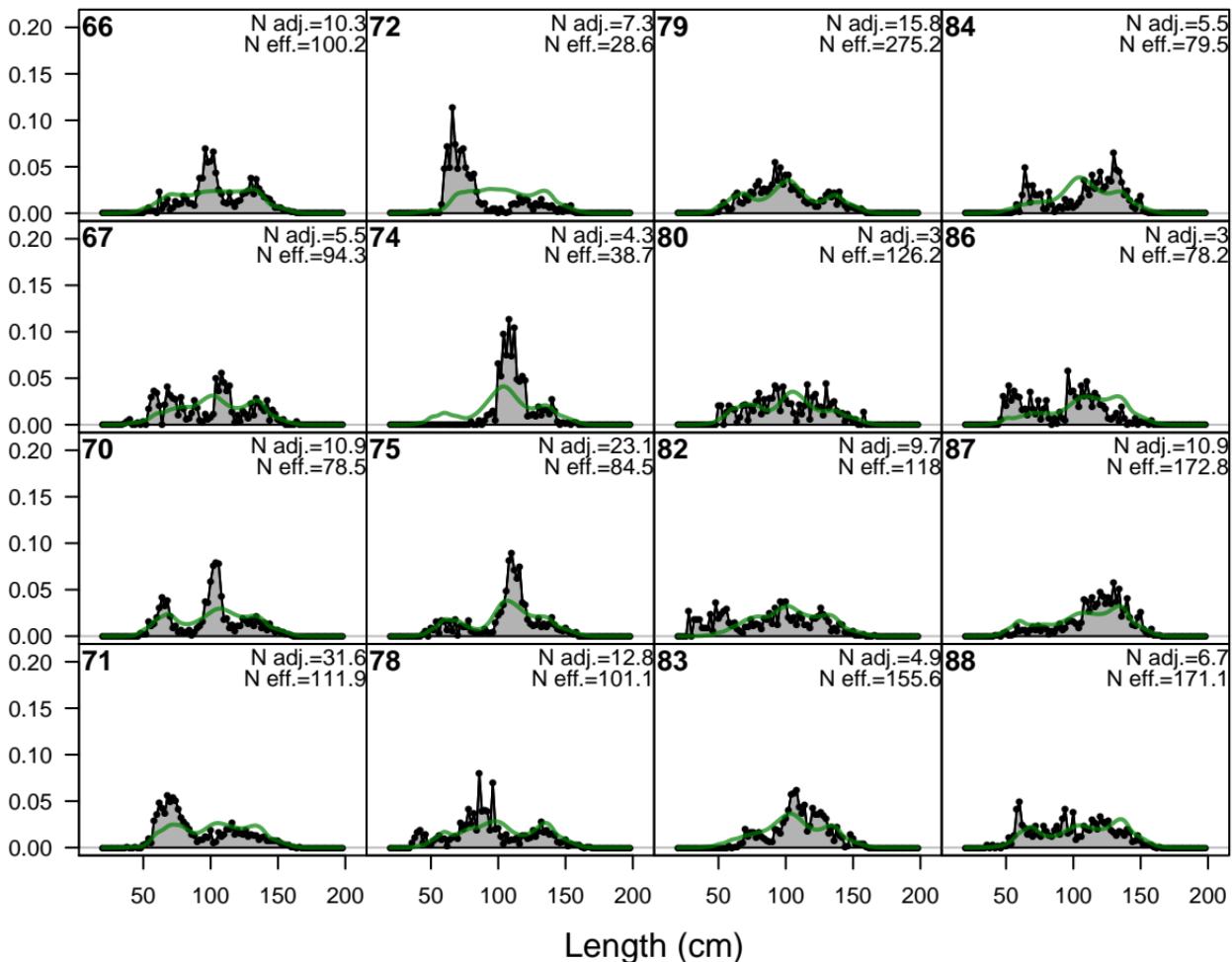
F15-DEL_N (whole catch)



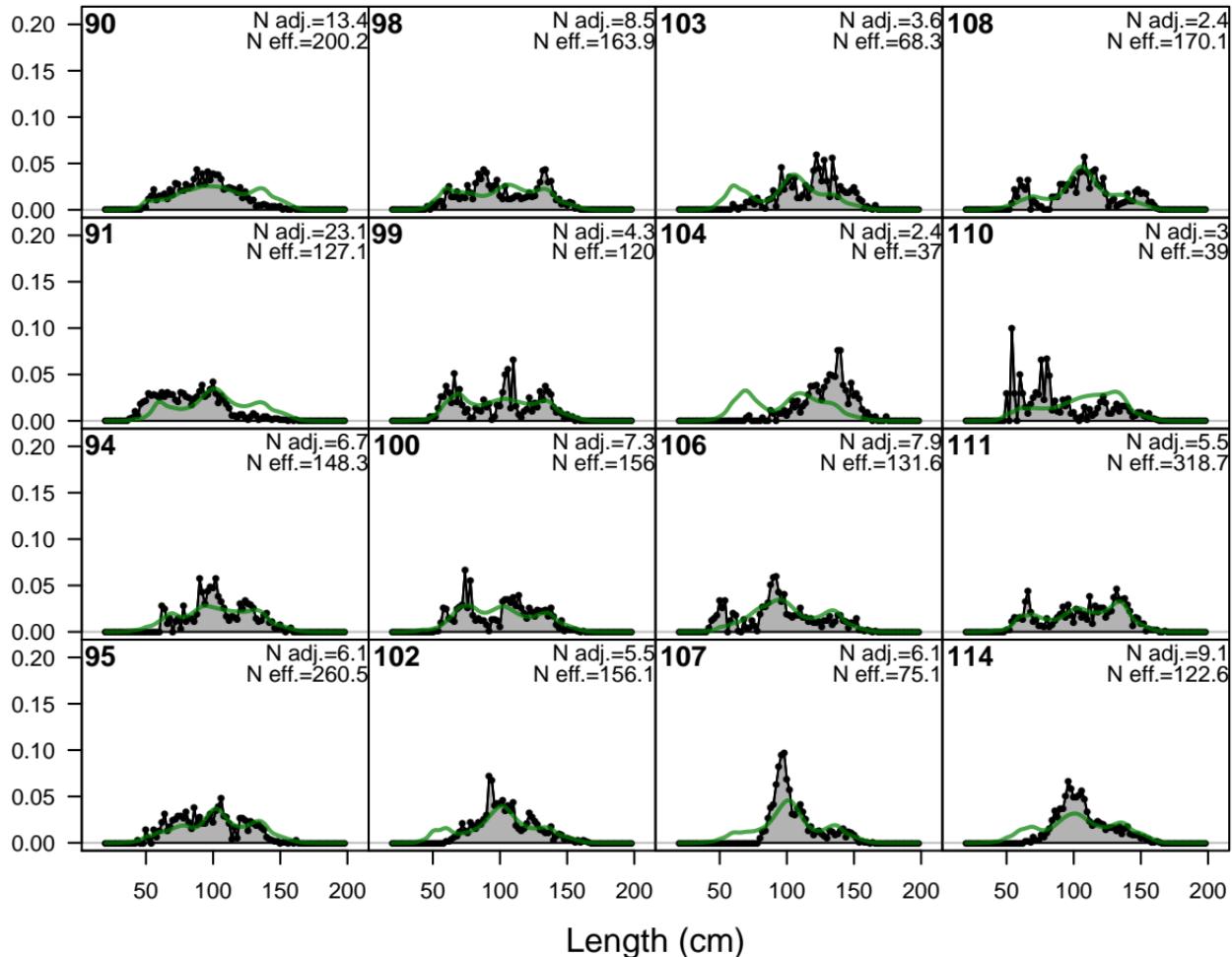
Proportion



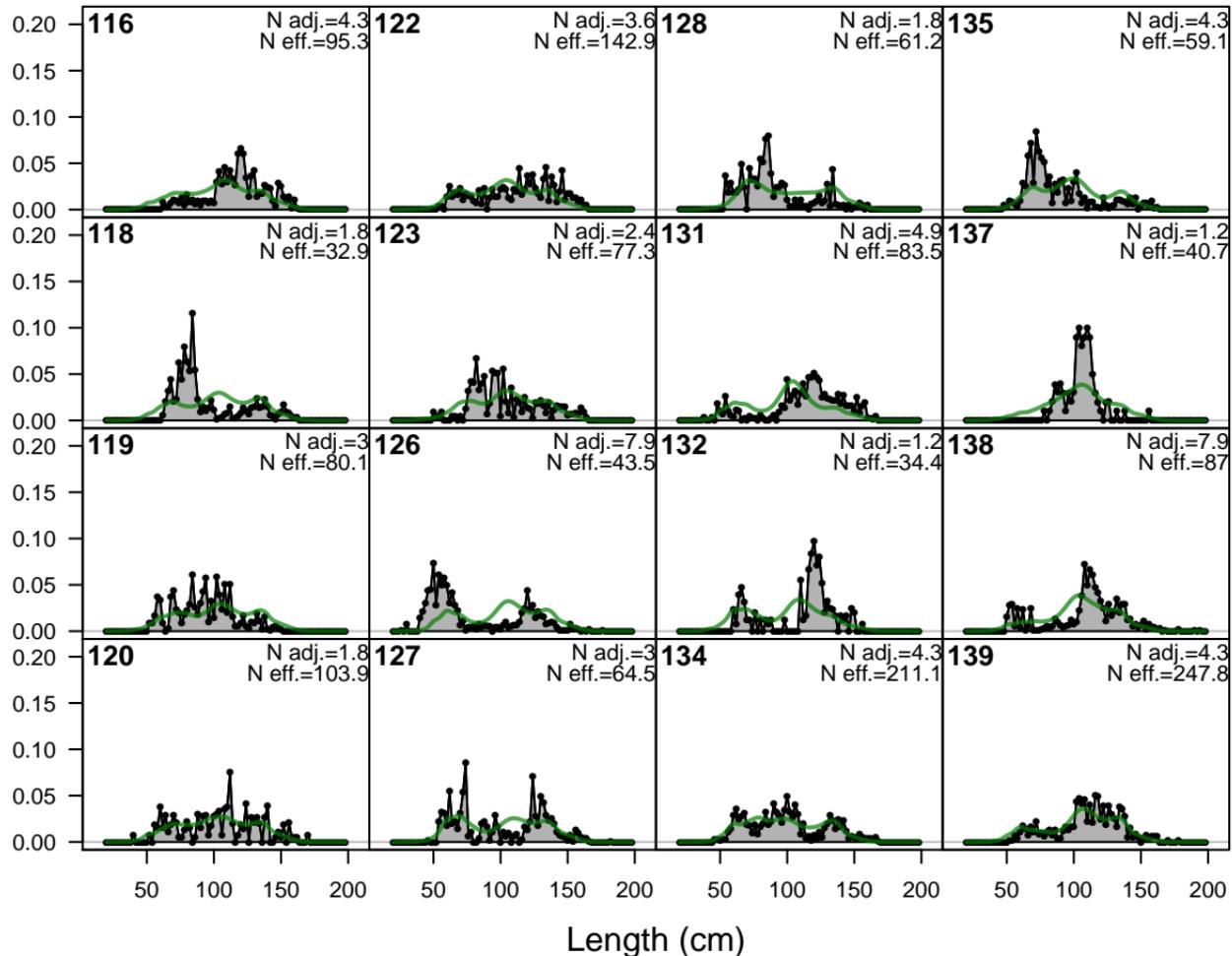
Proportion



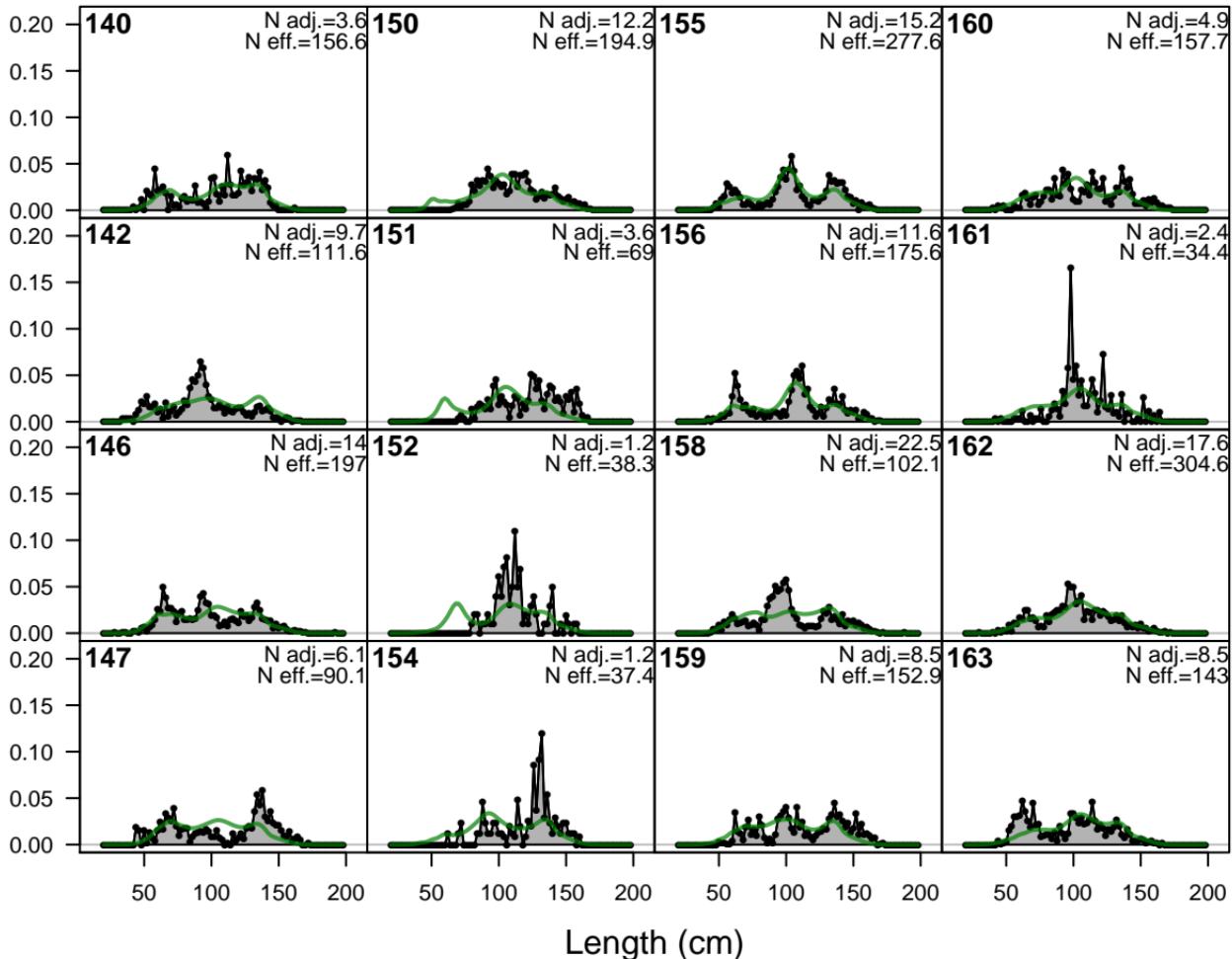
Proportion

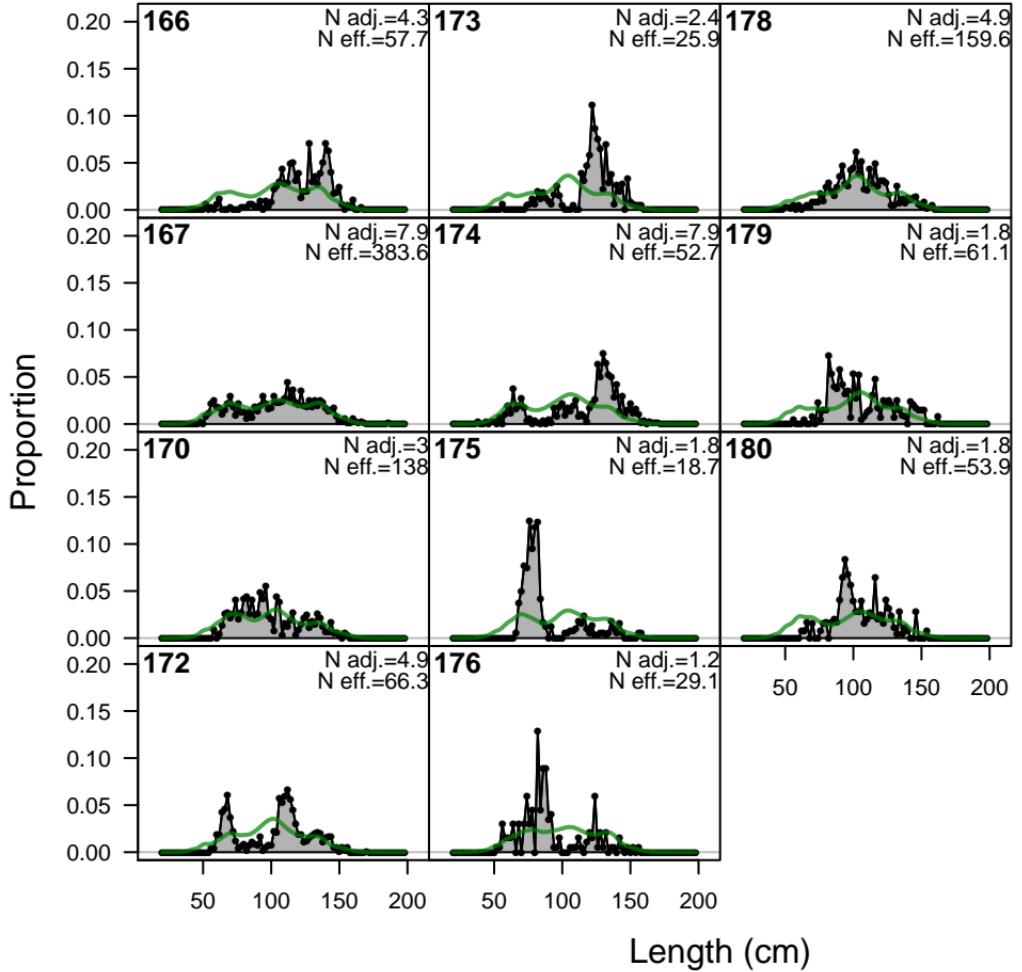


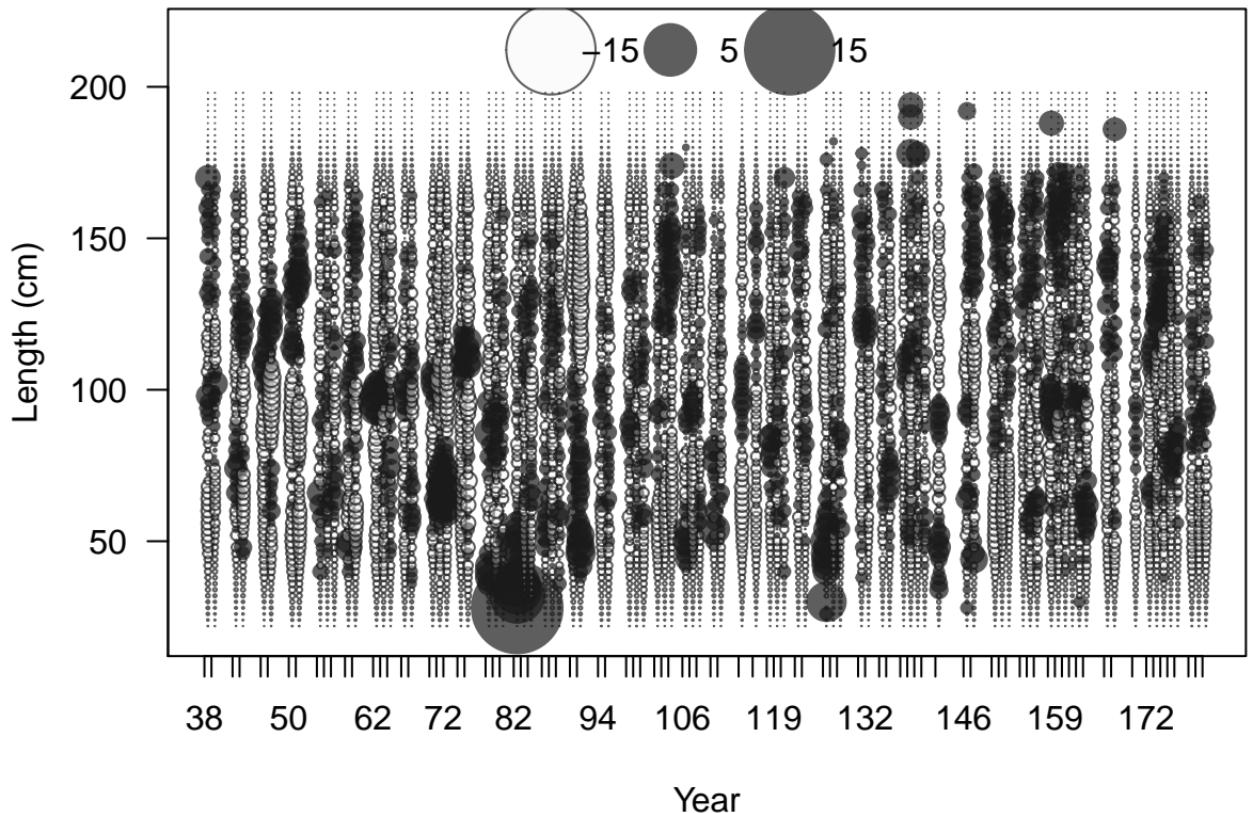
Proportion

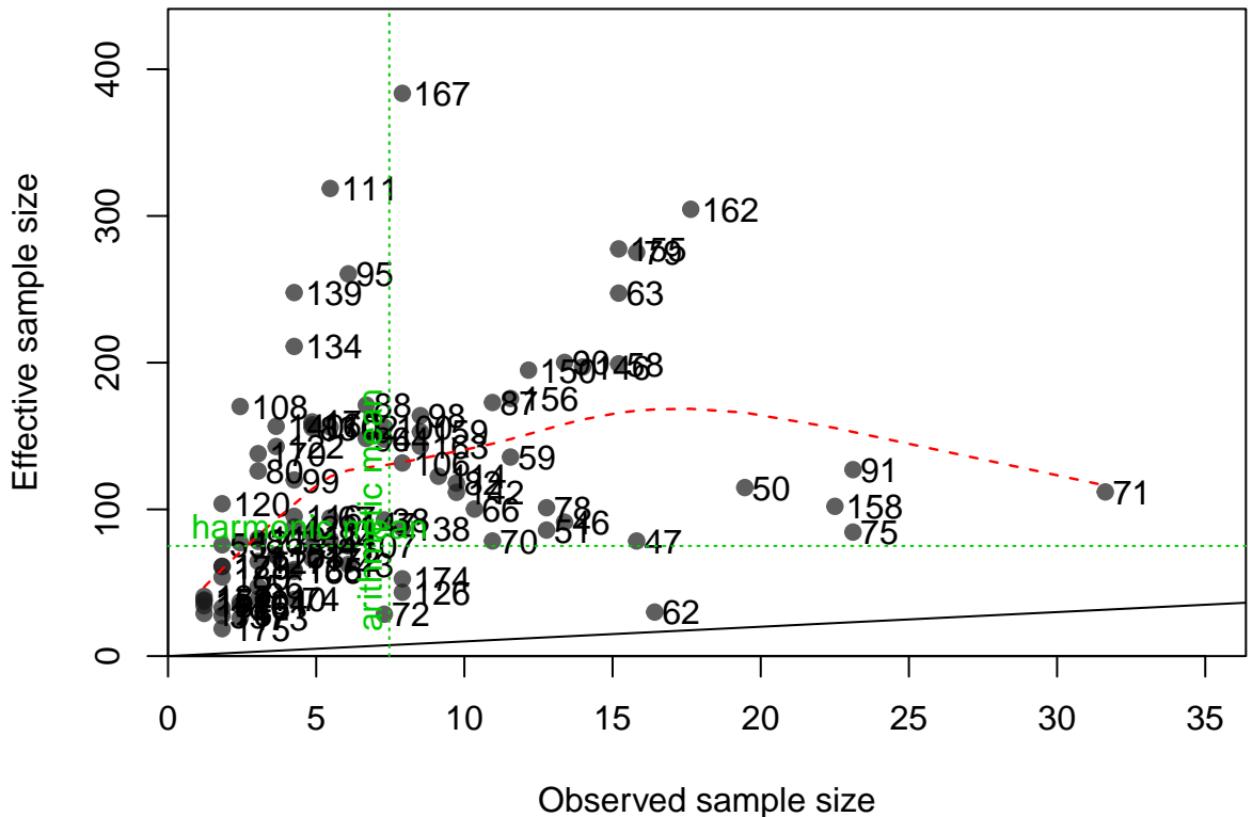


Proportion

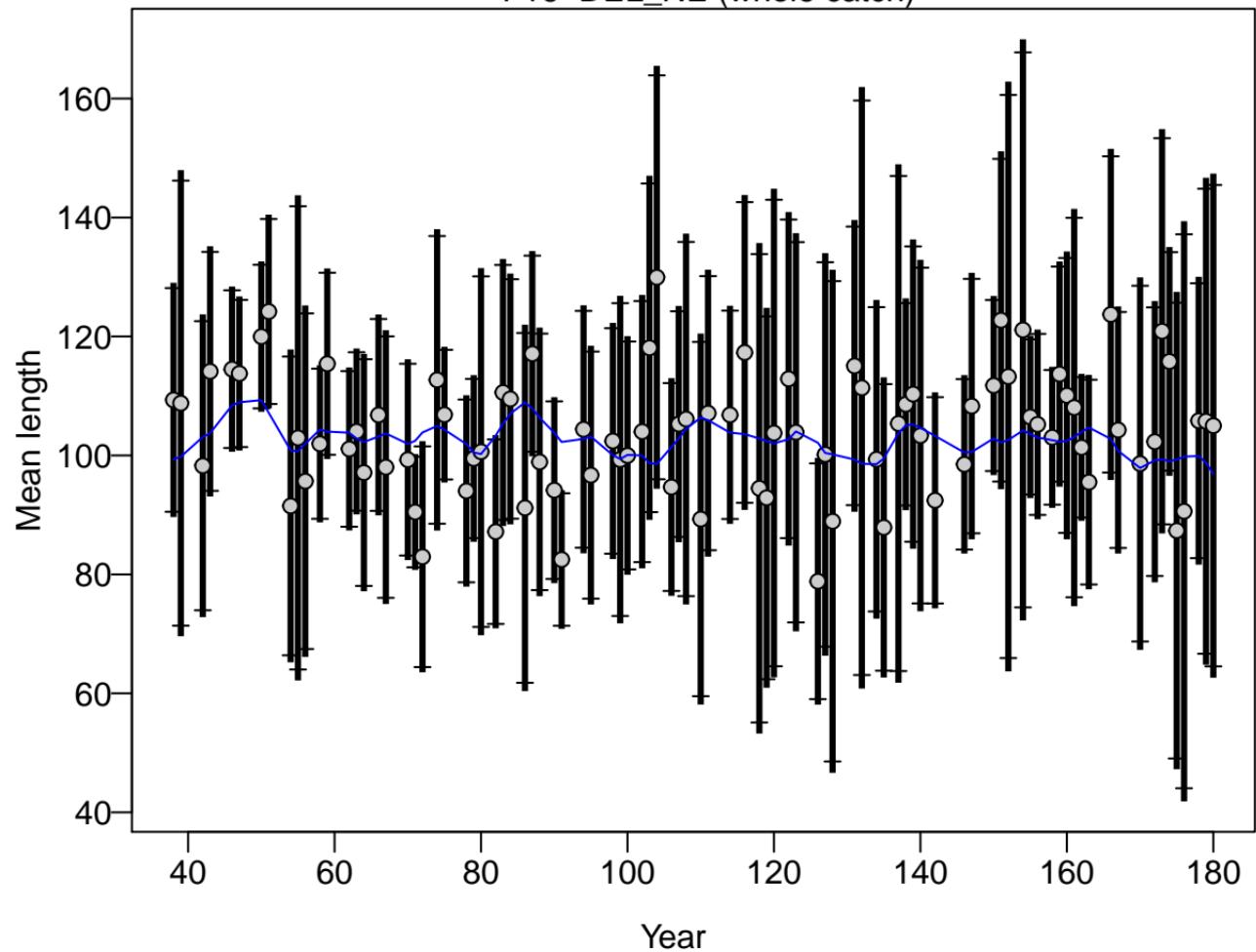




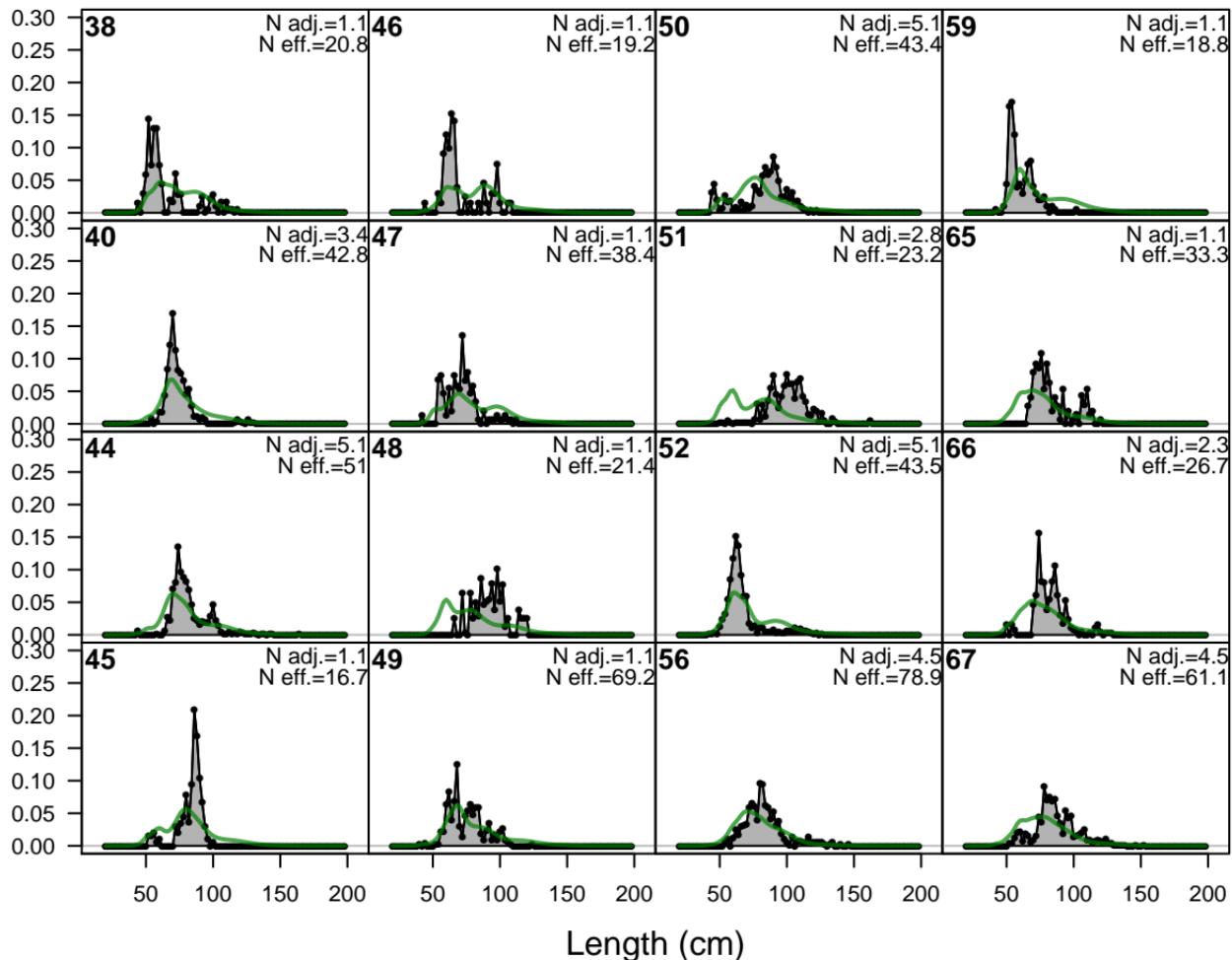




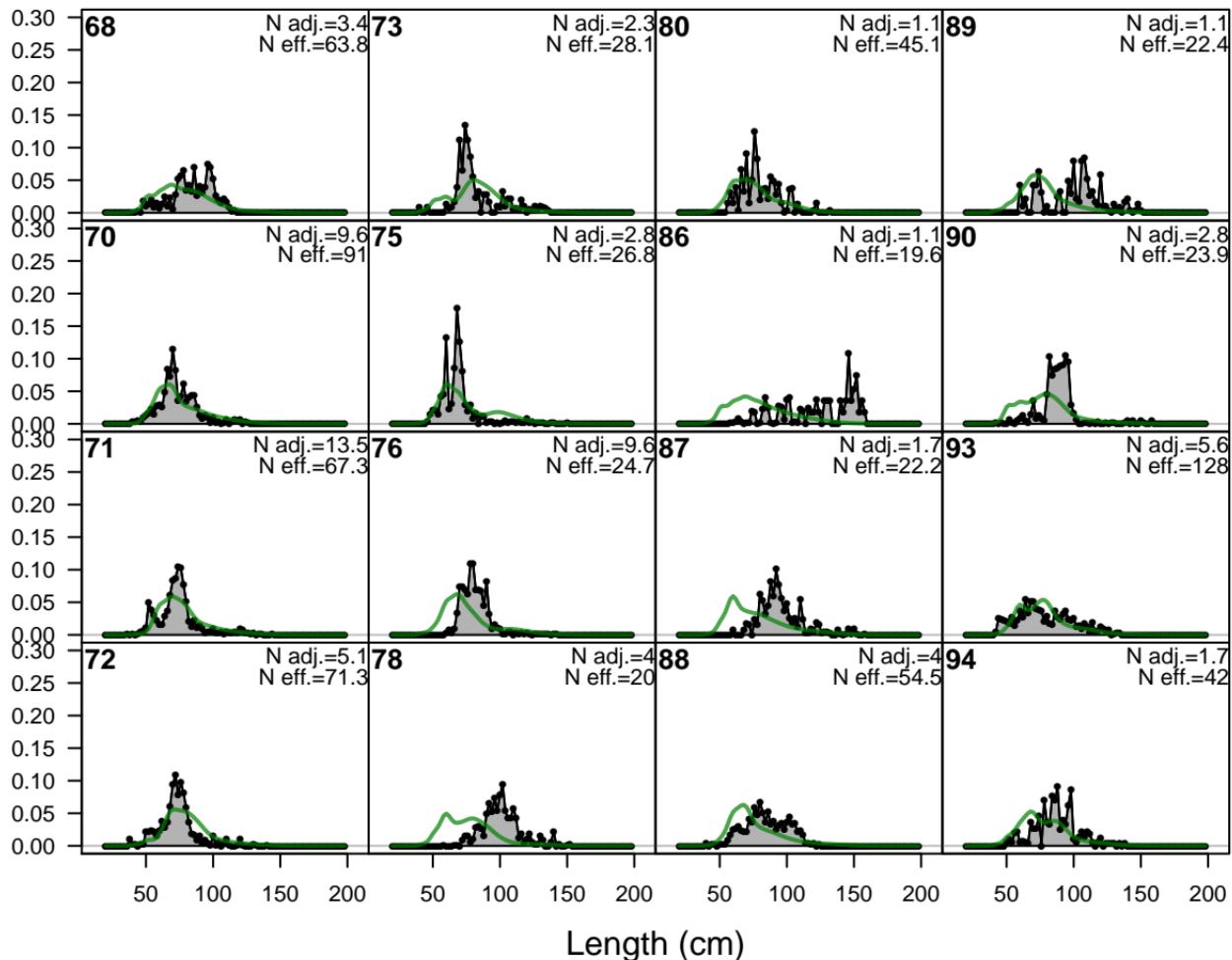
F16-DEL_NE (whole catch)



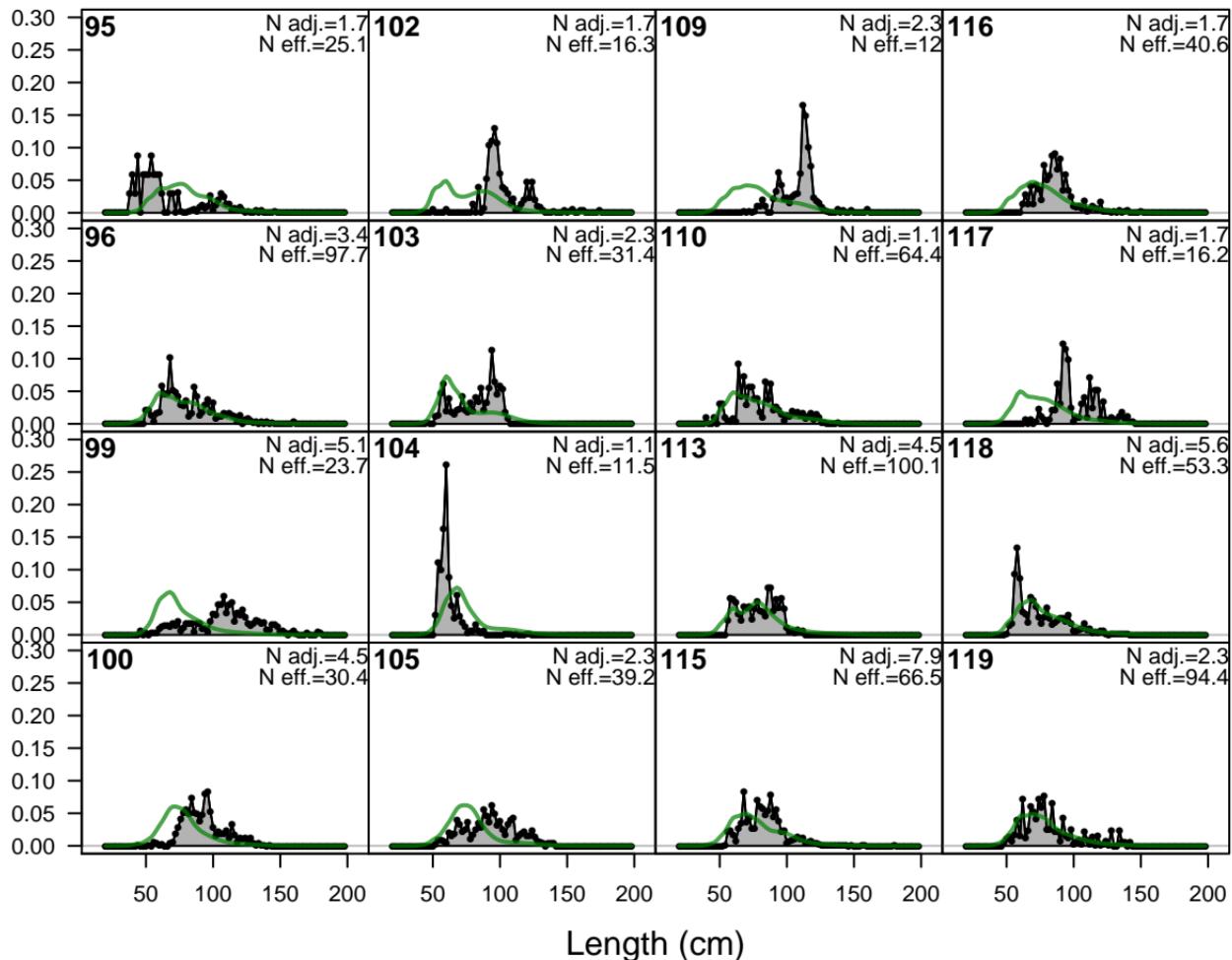
Proportion

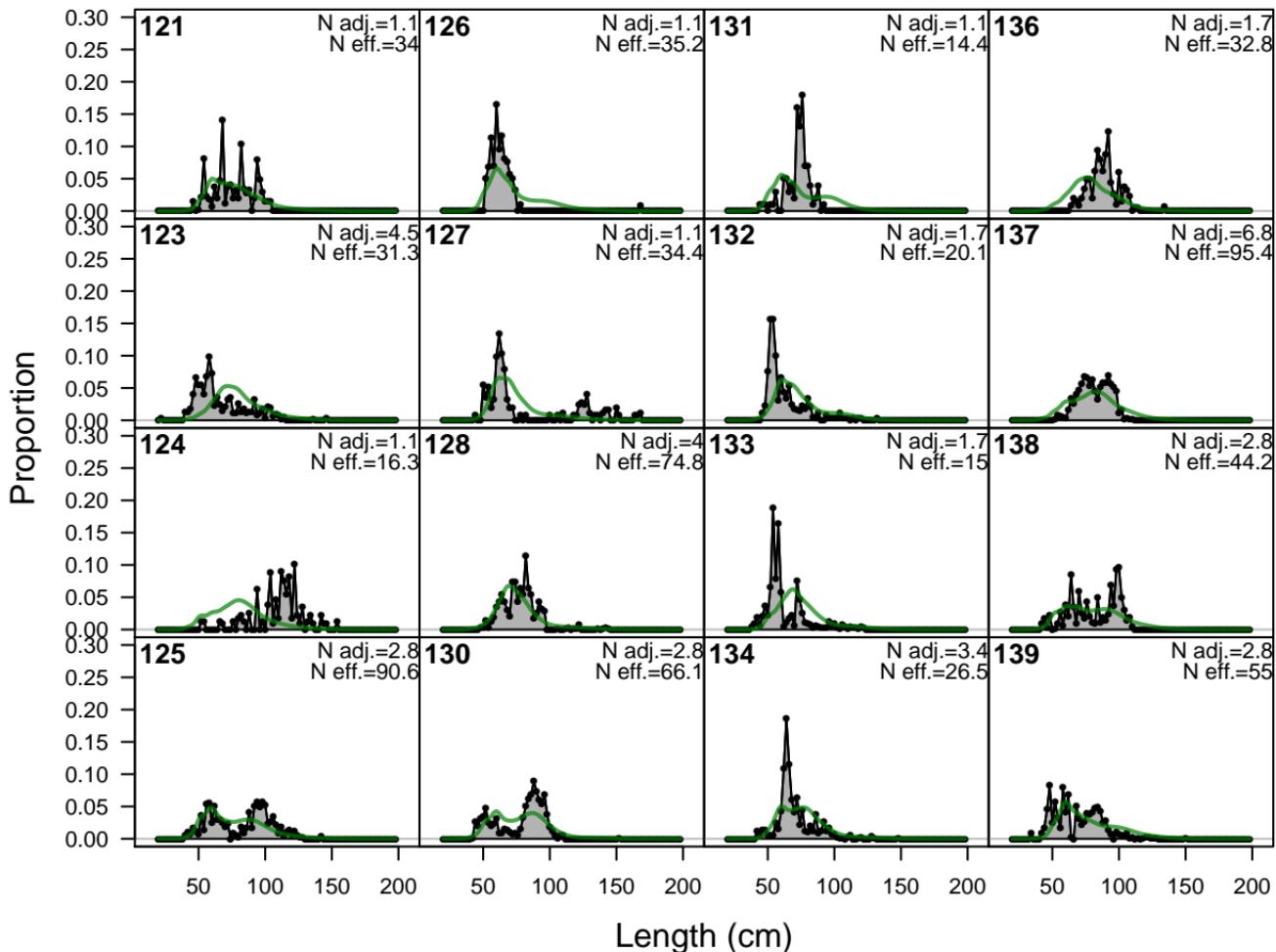


Proportion

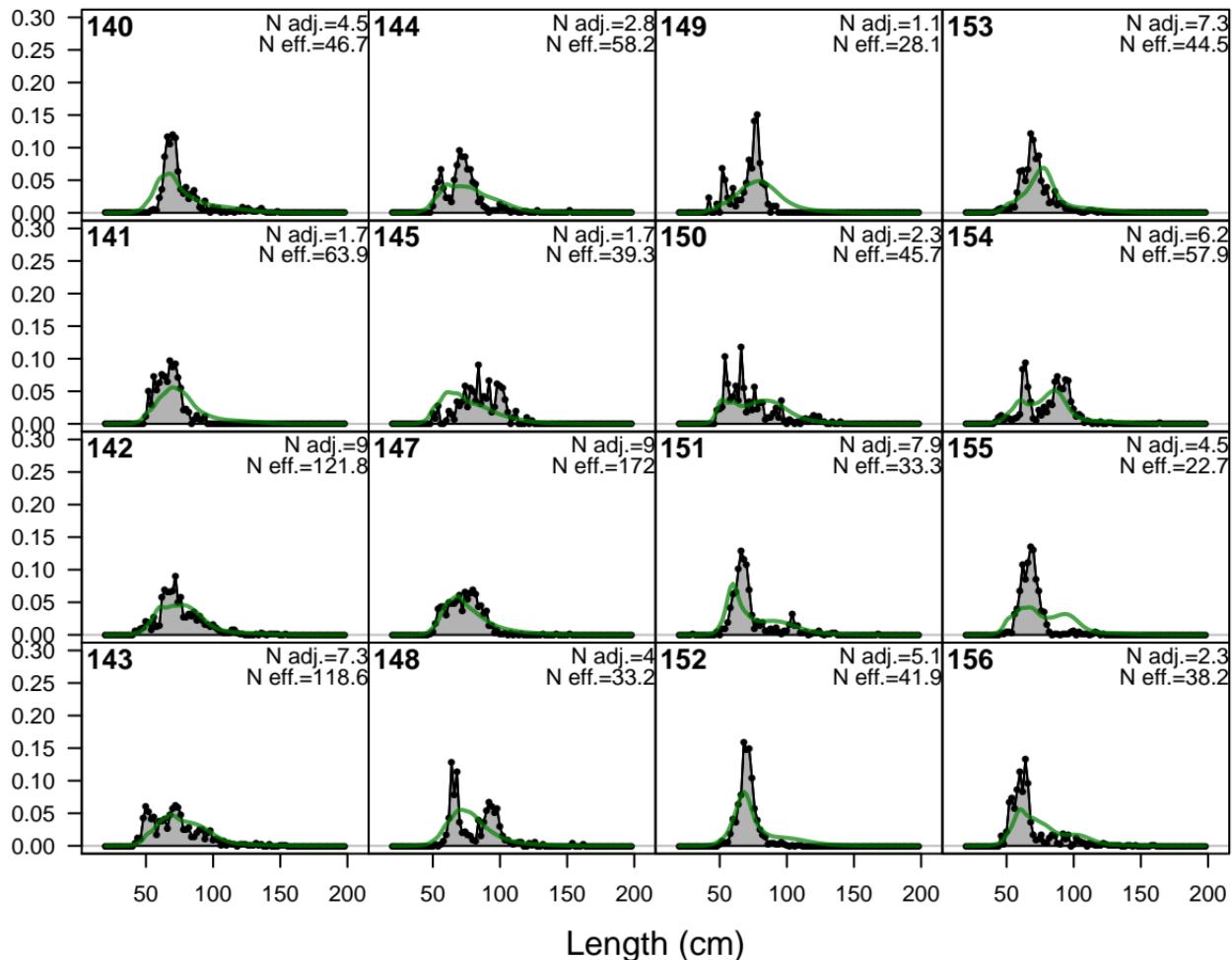


Proportion

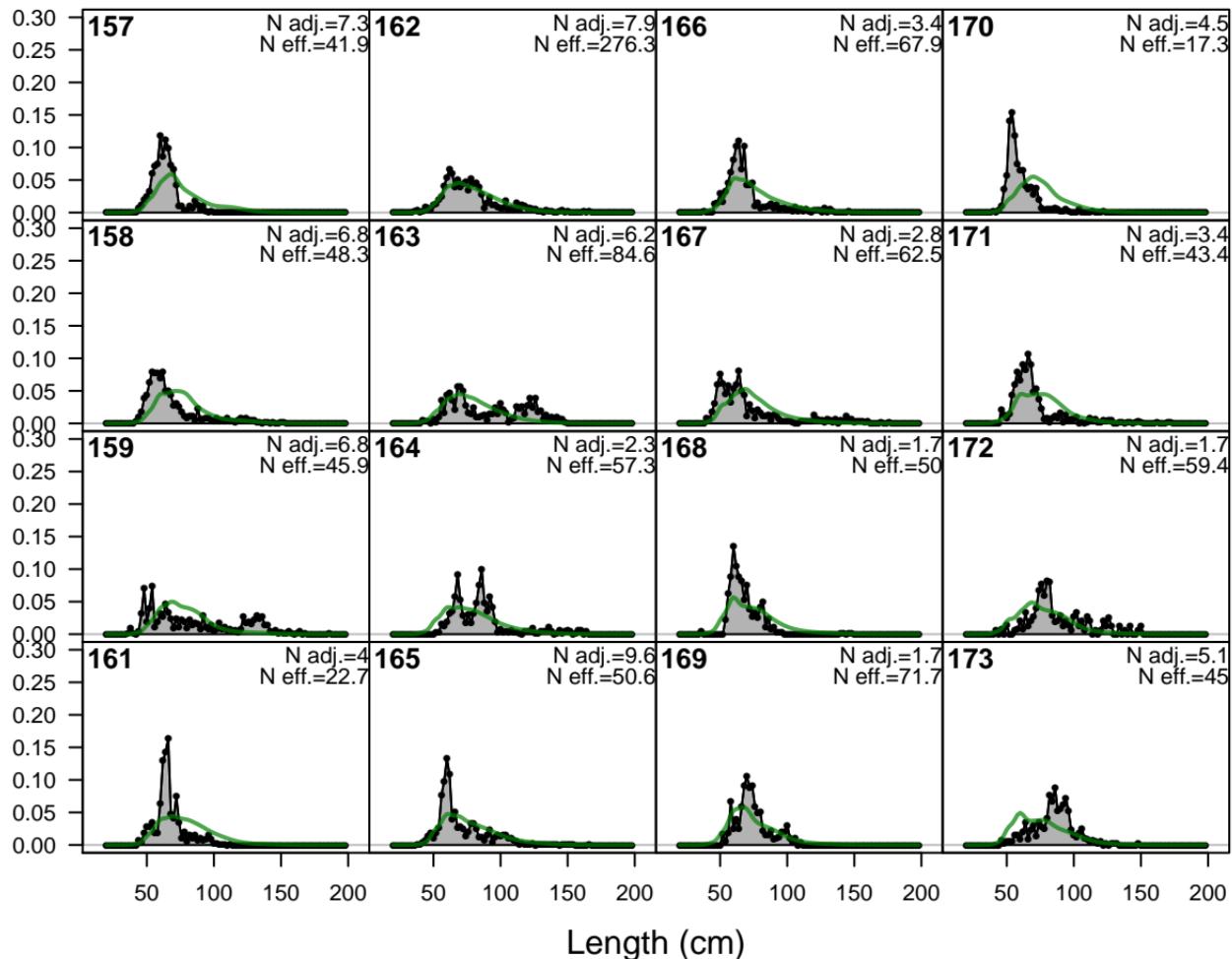




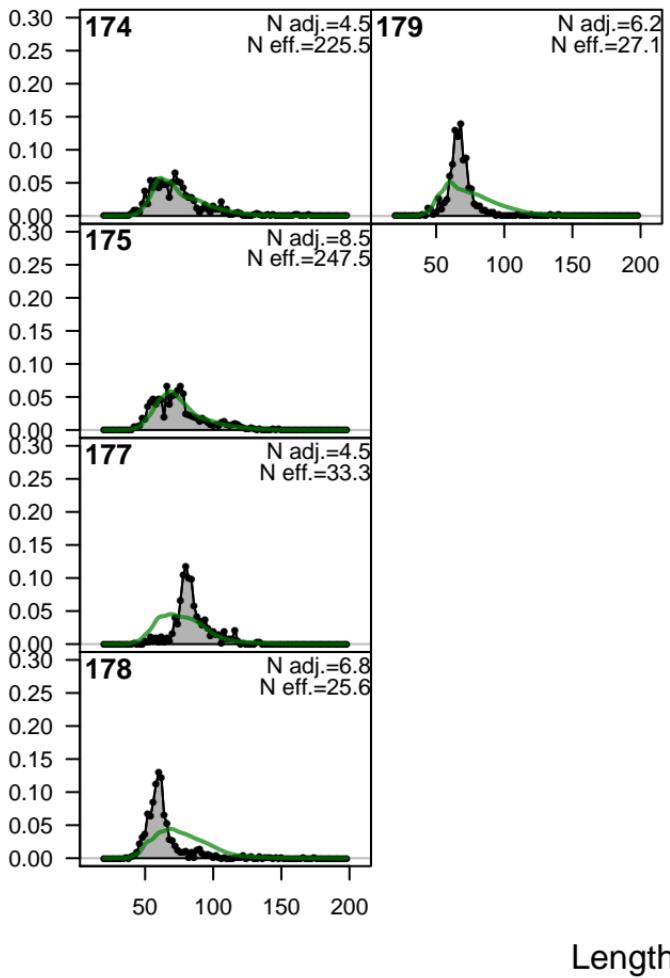
Proportion

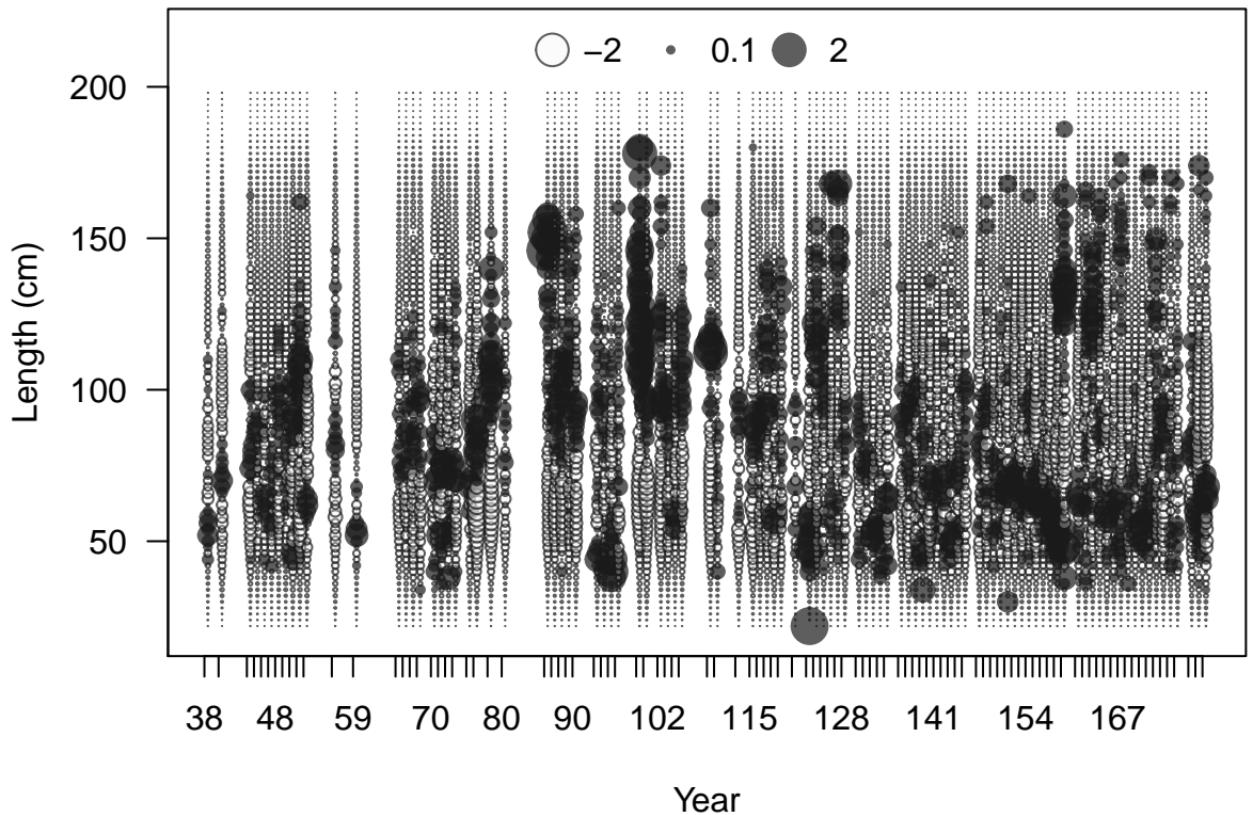


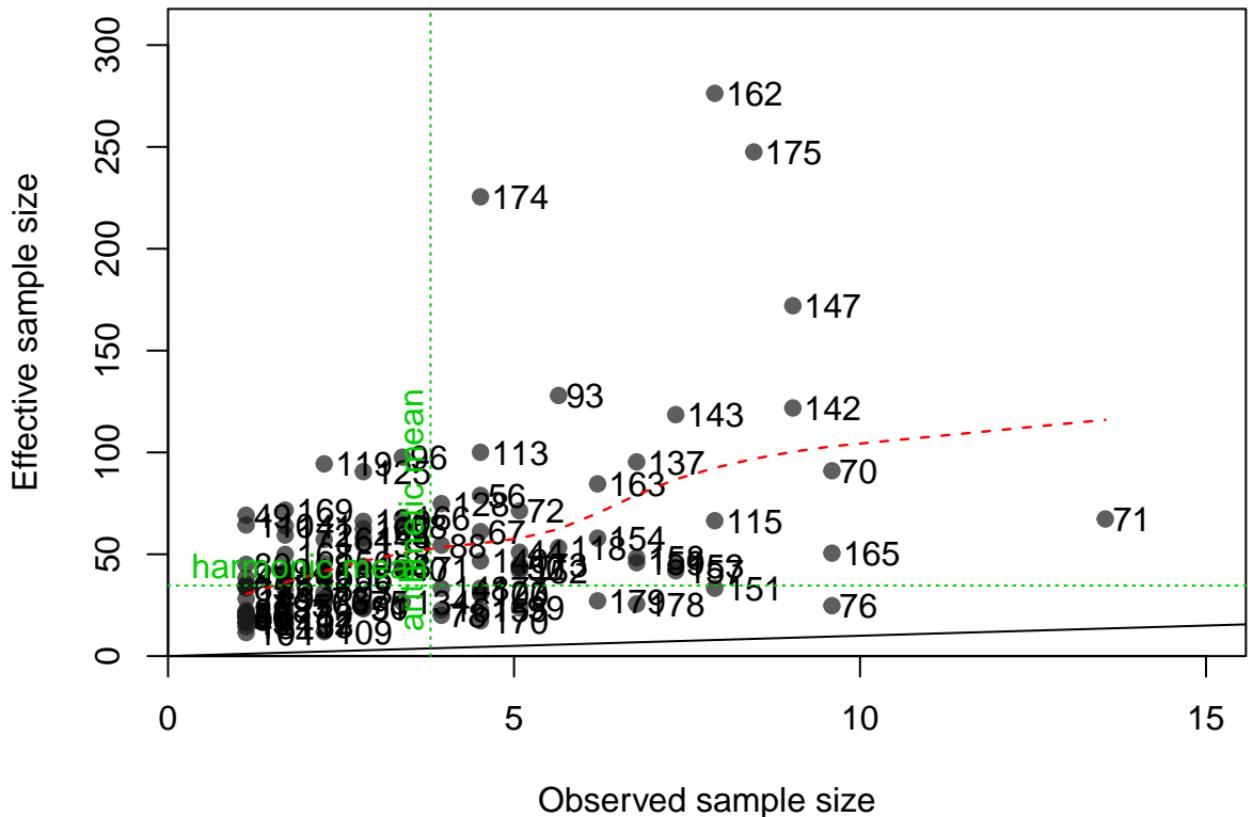
Proportion



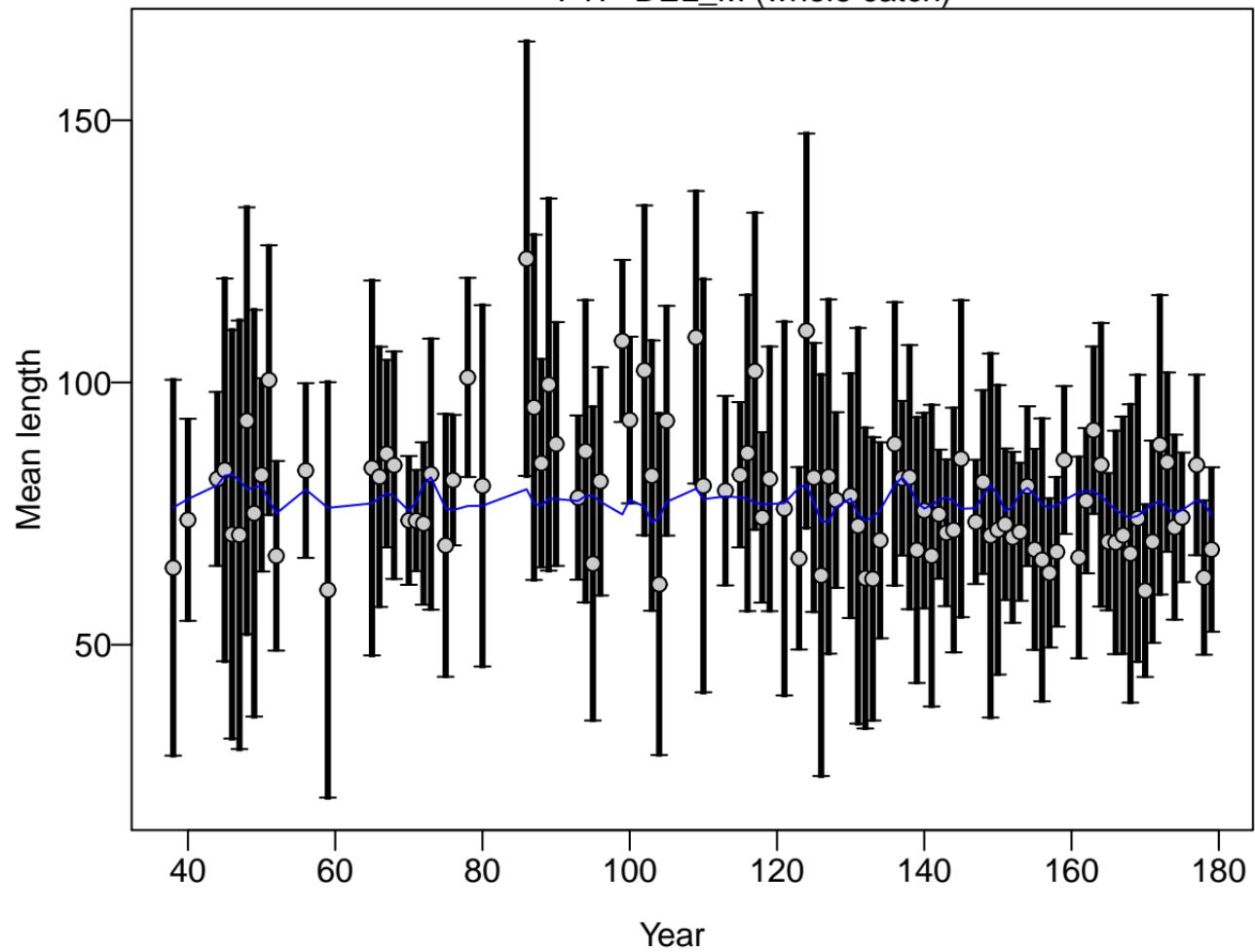
Proportion



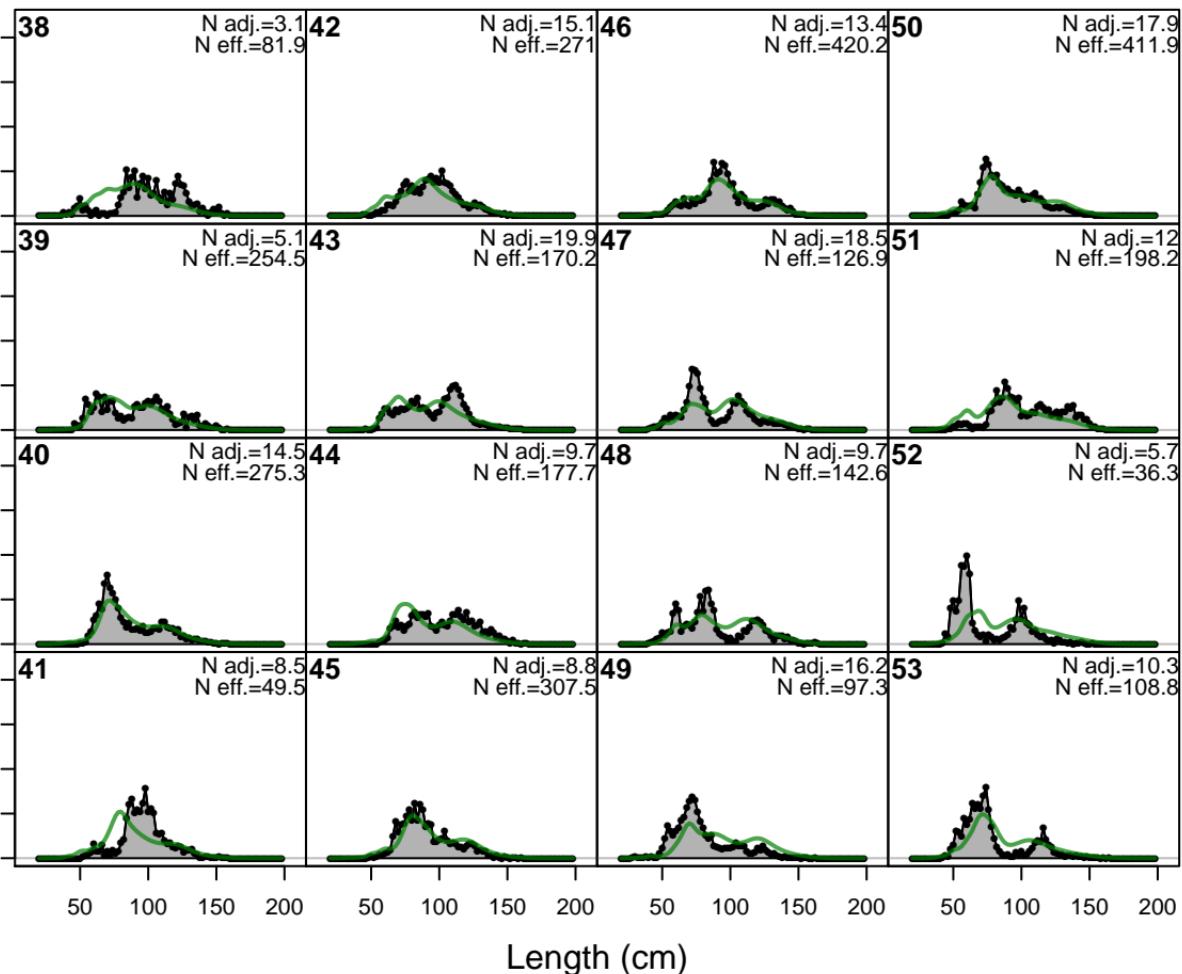




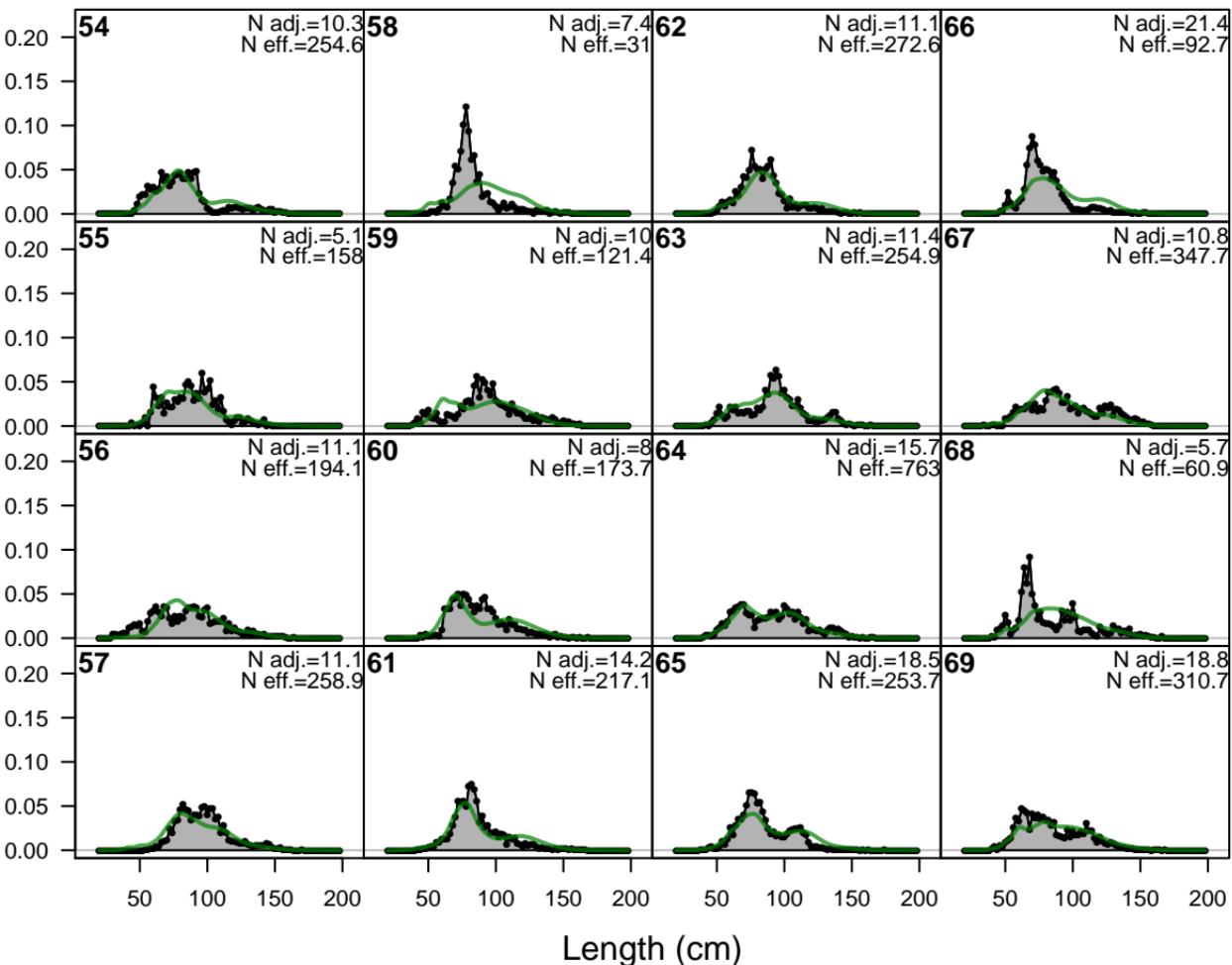
F17-DEL_M (whole catch)



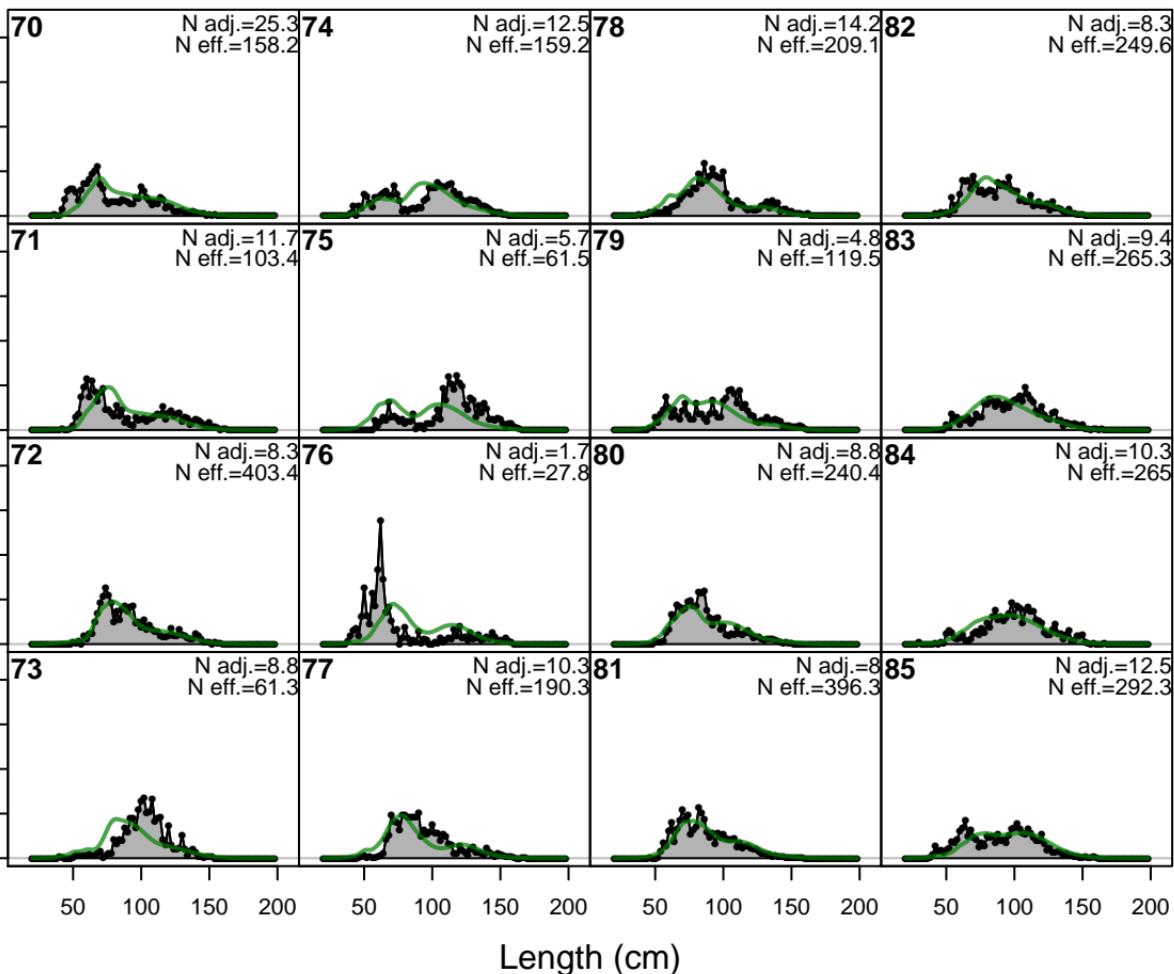
Proportion



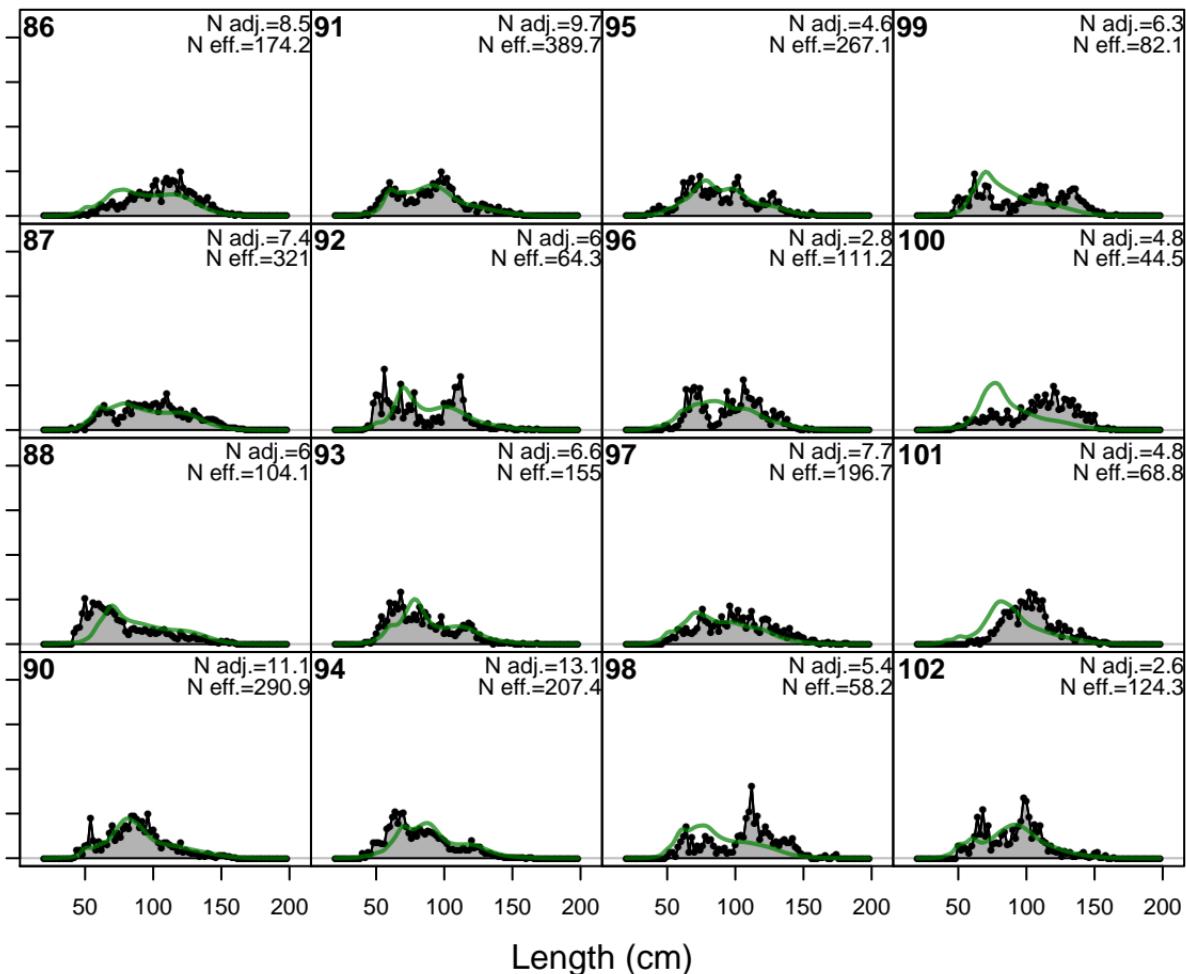
Proportion



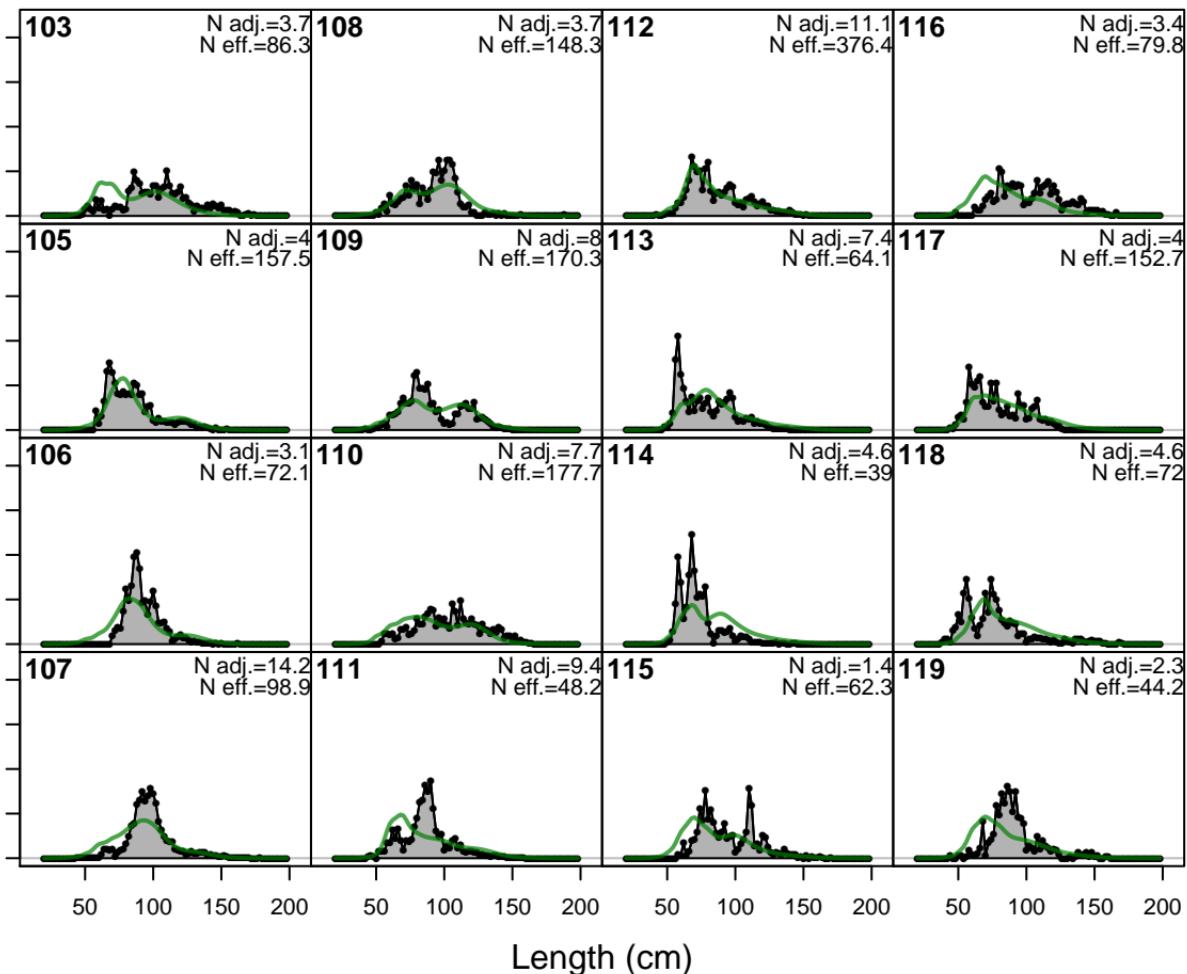
Proportion



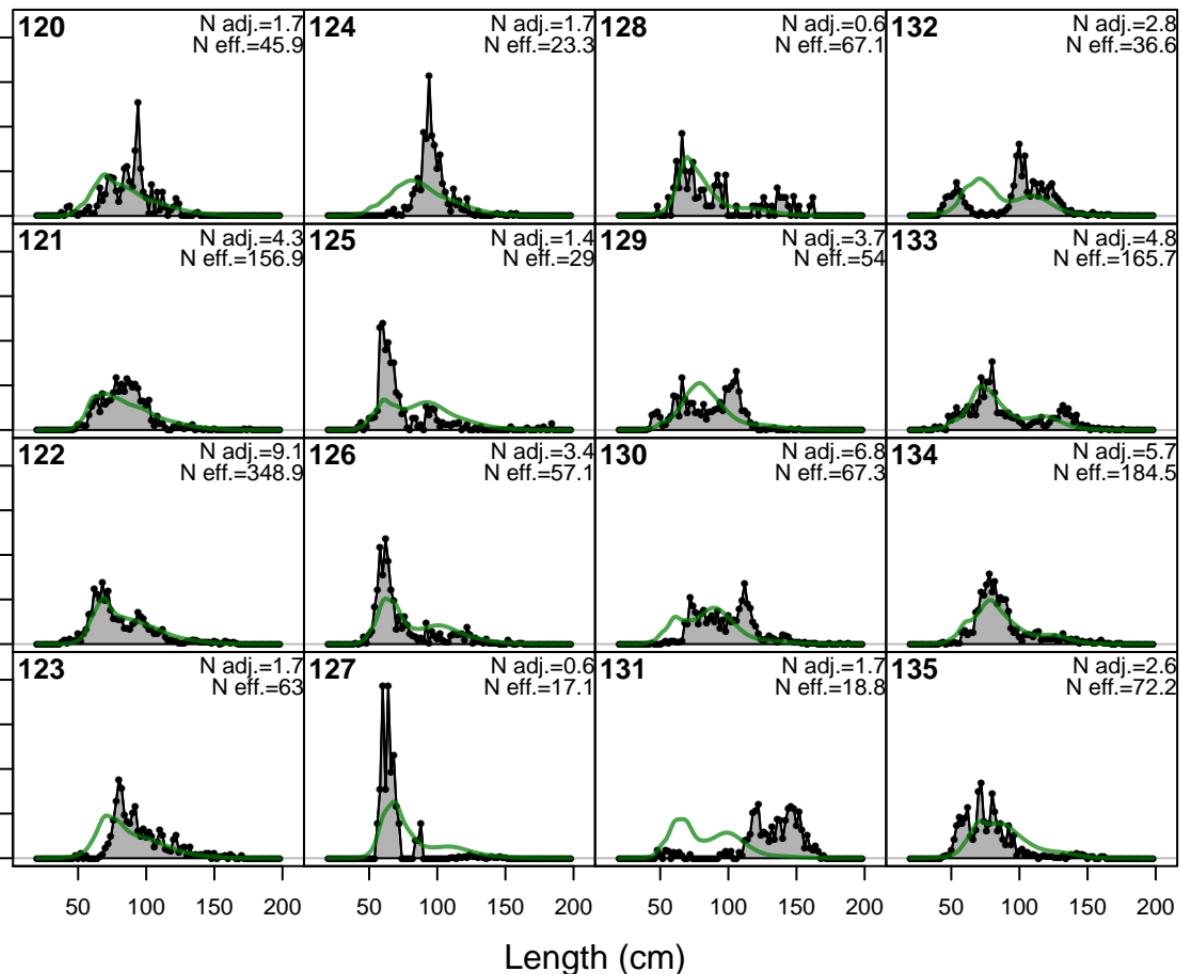
Proportion



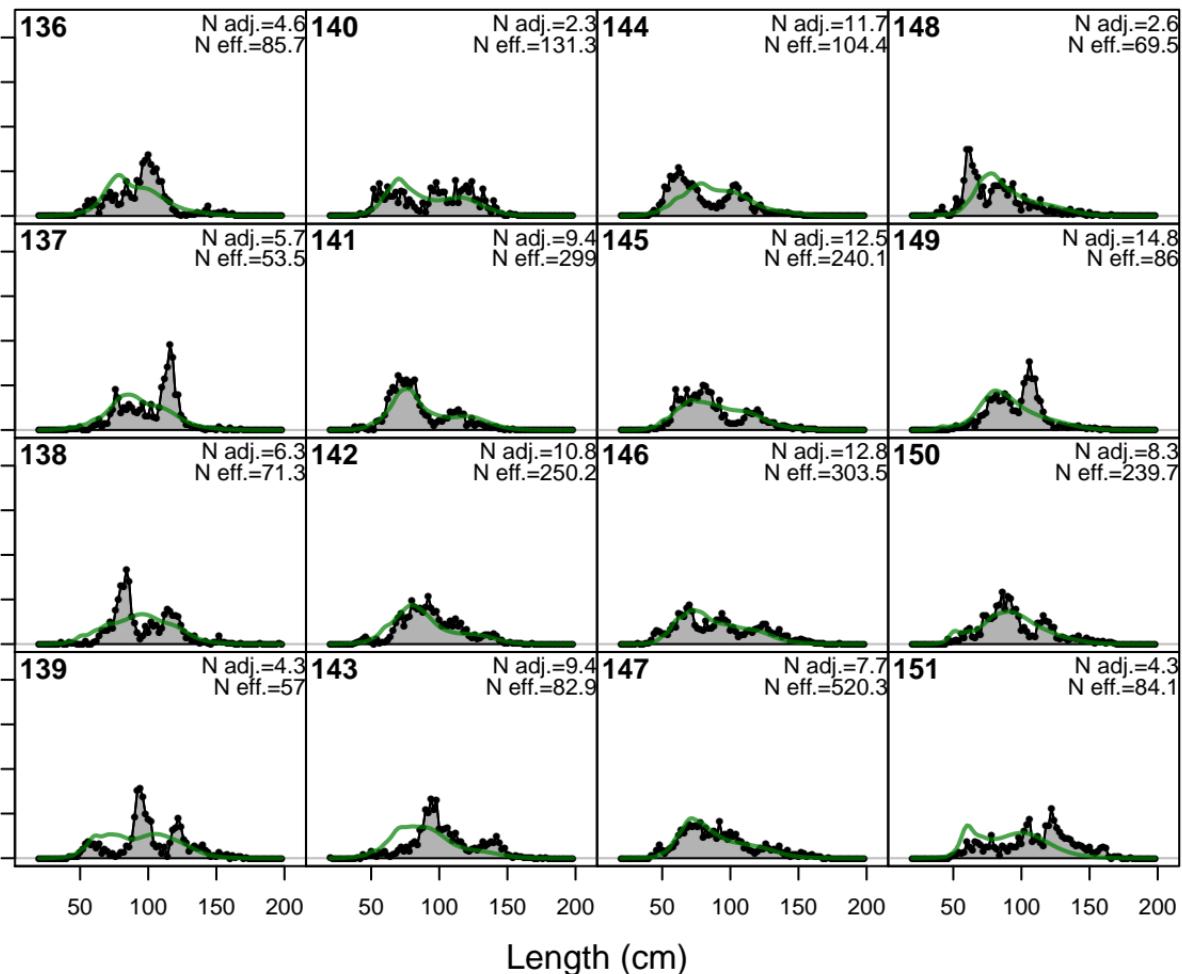
Proportion



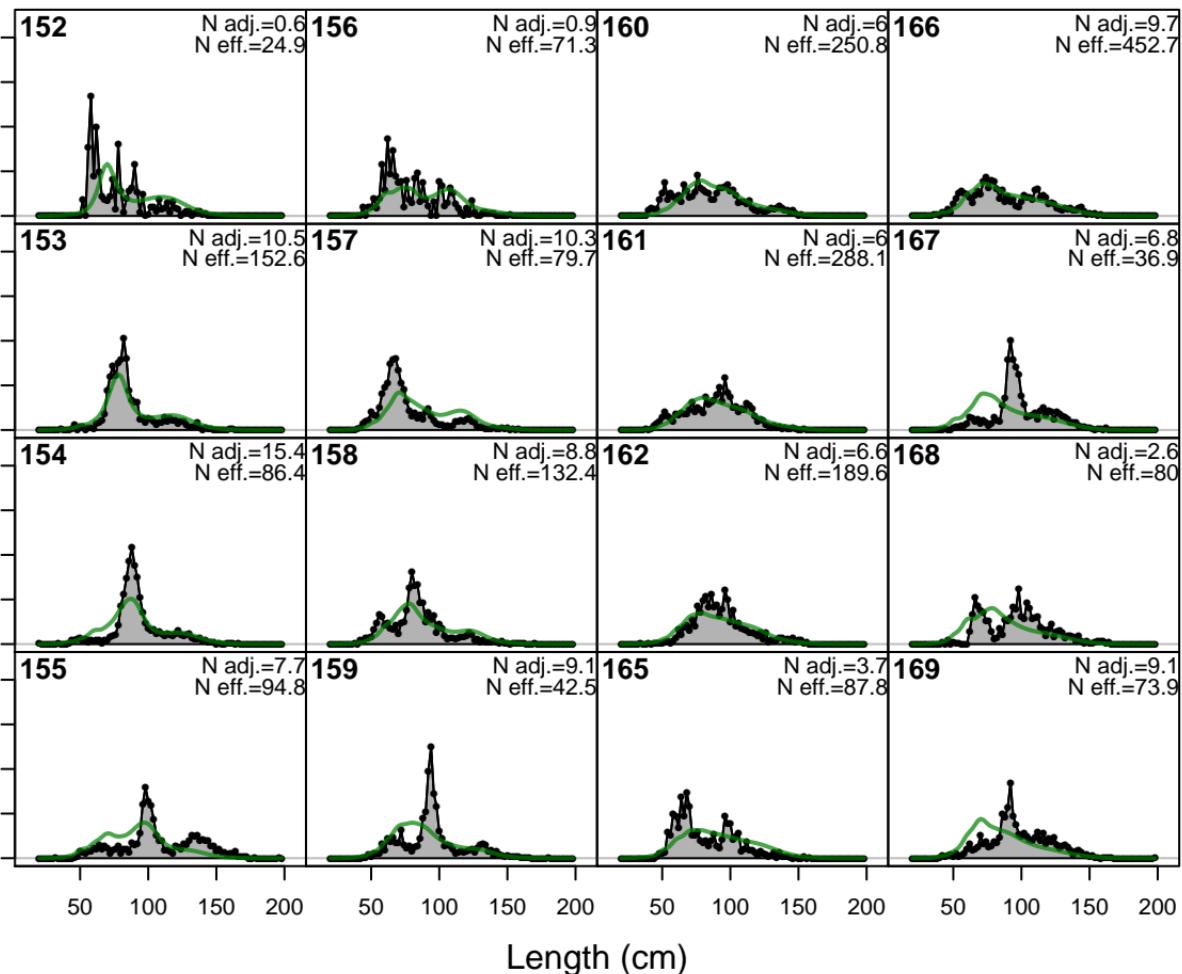
Proportion

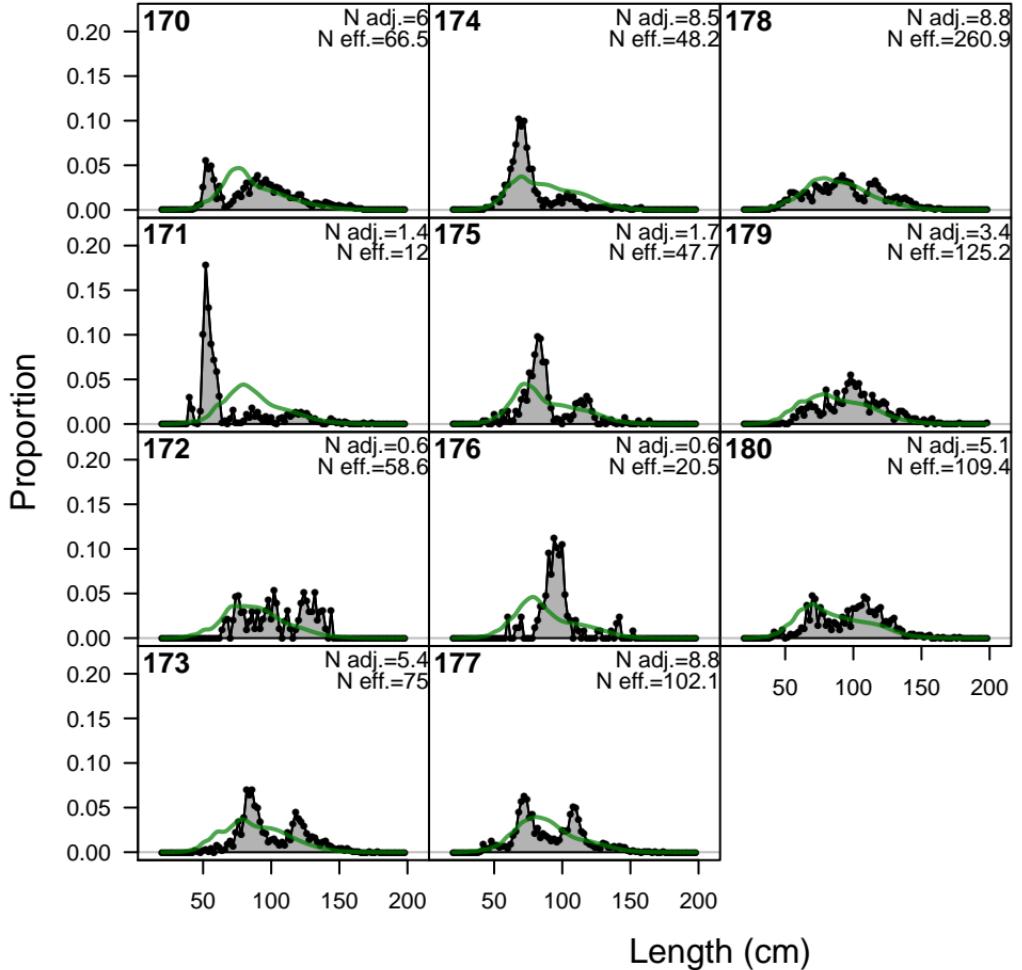


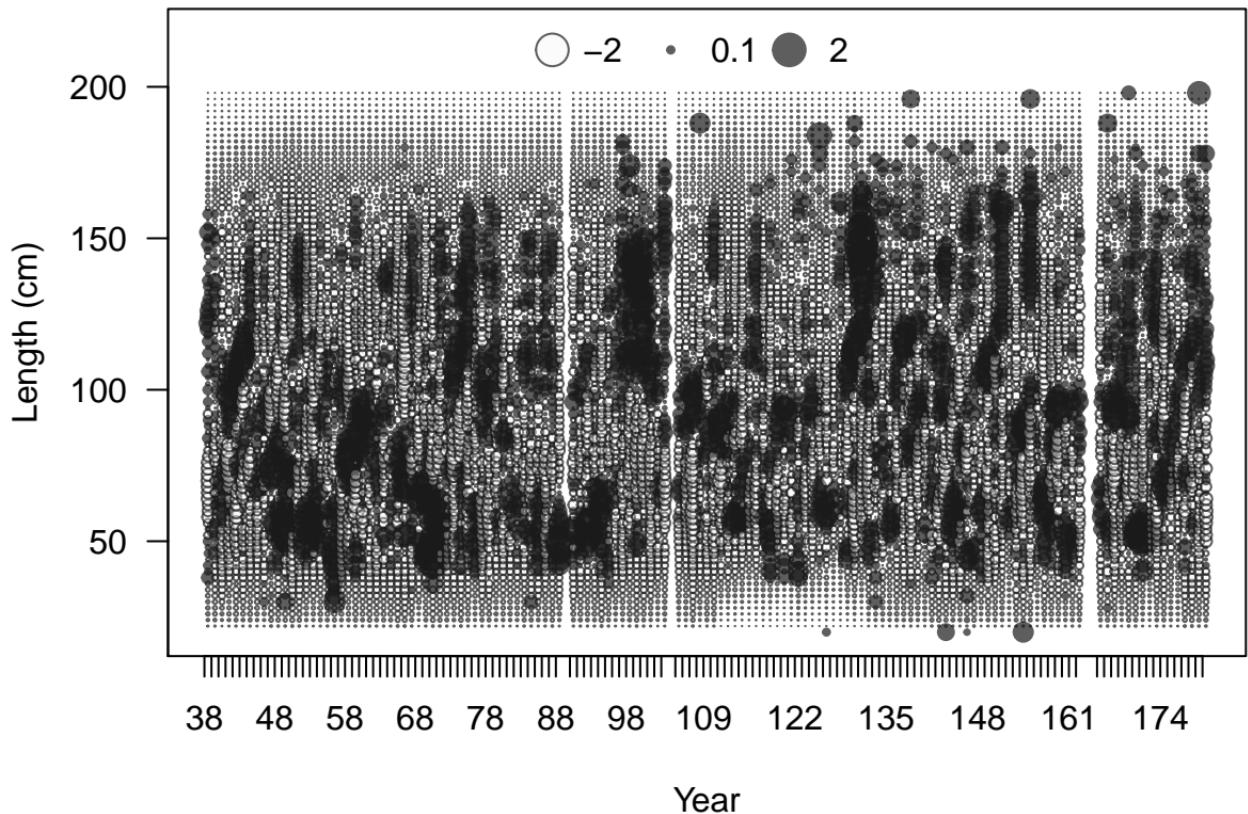
Proportion

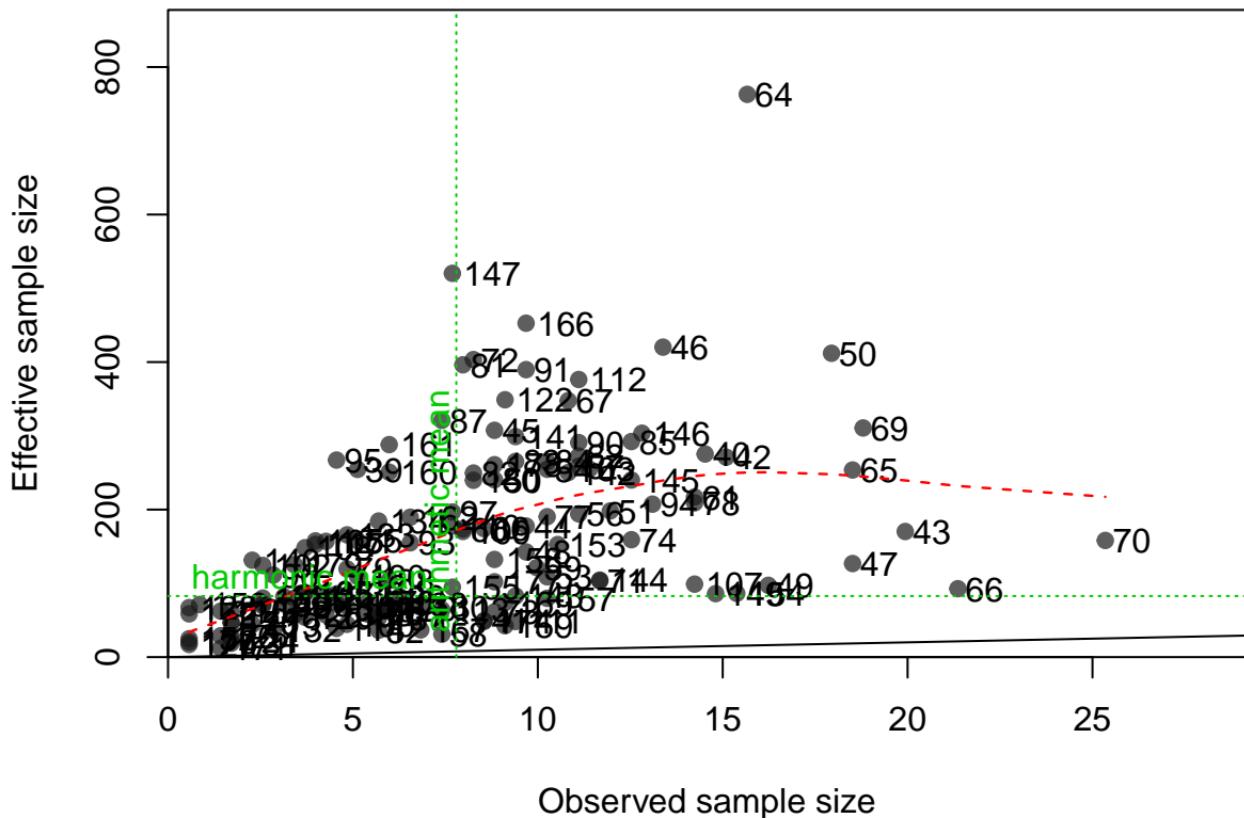


Proportion

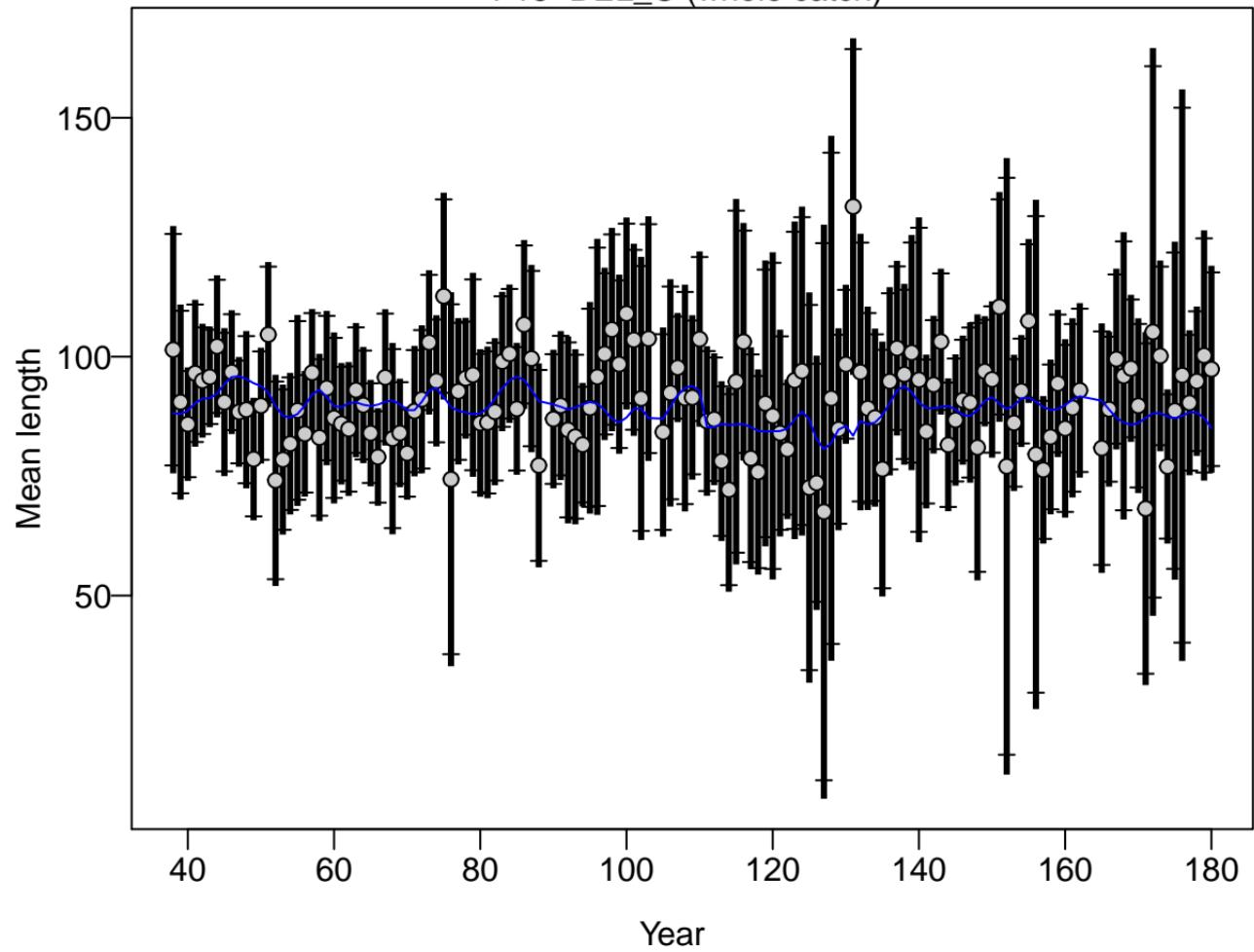




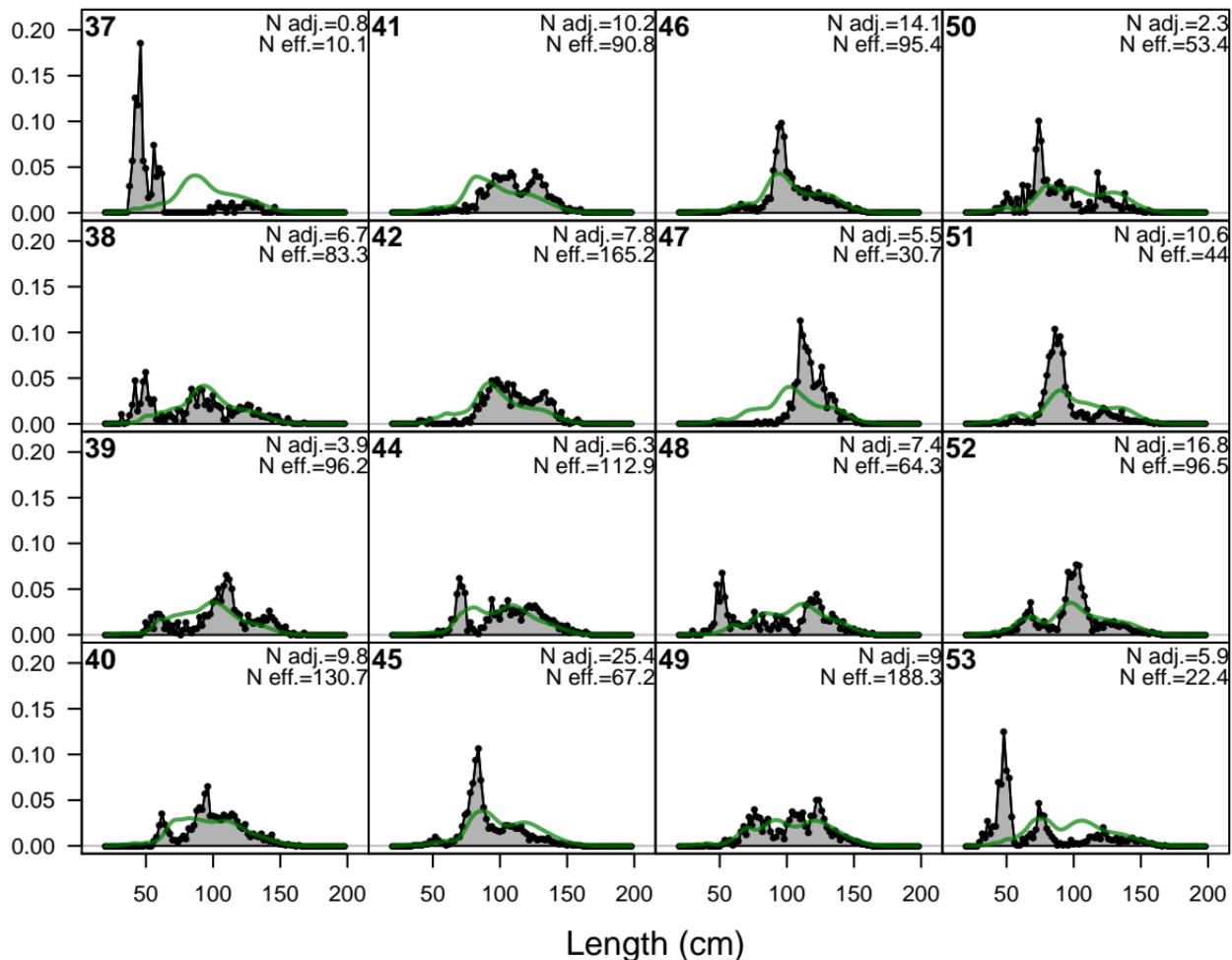




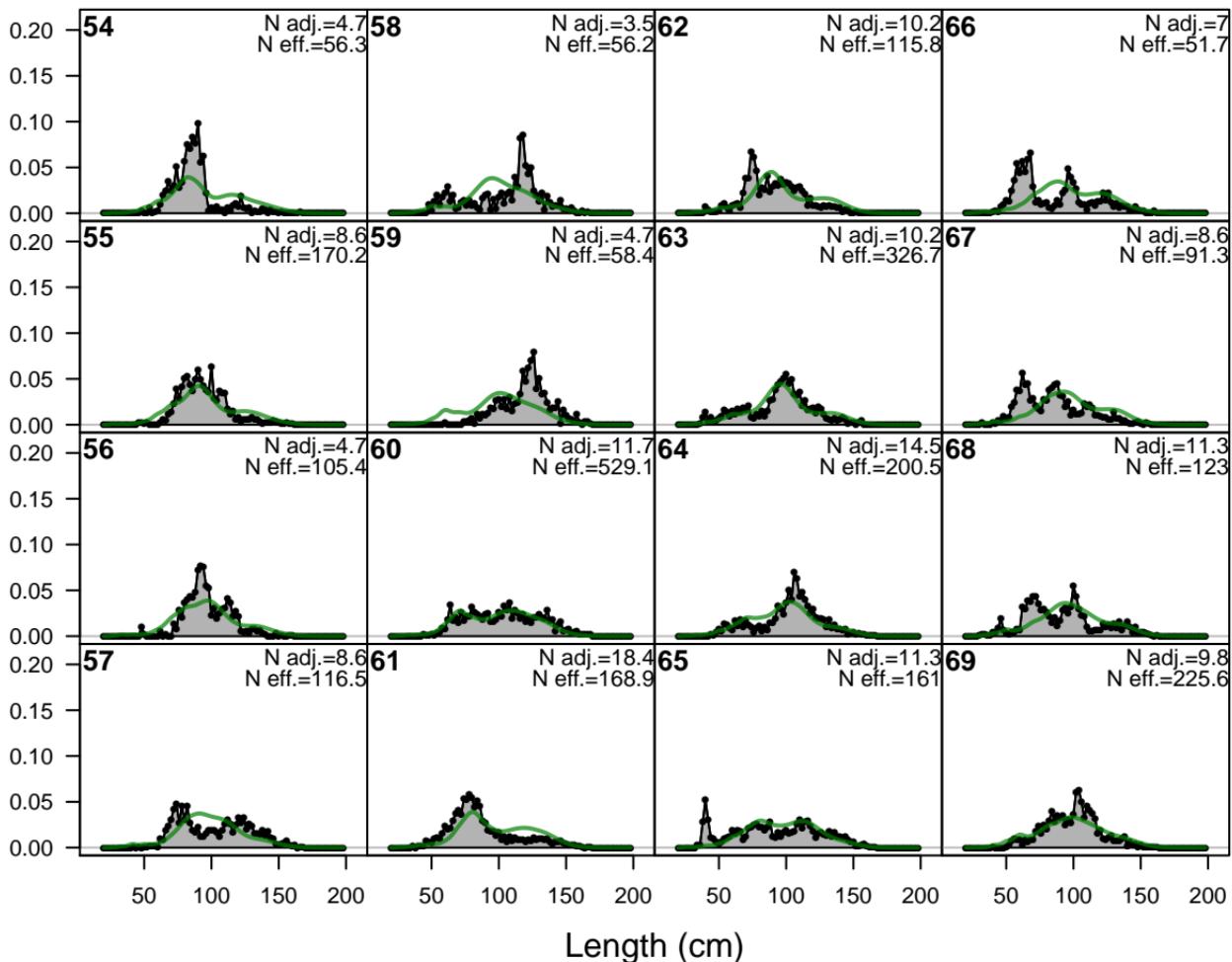
F18-DEL_C (whole catch)



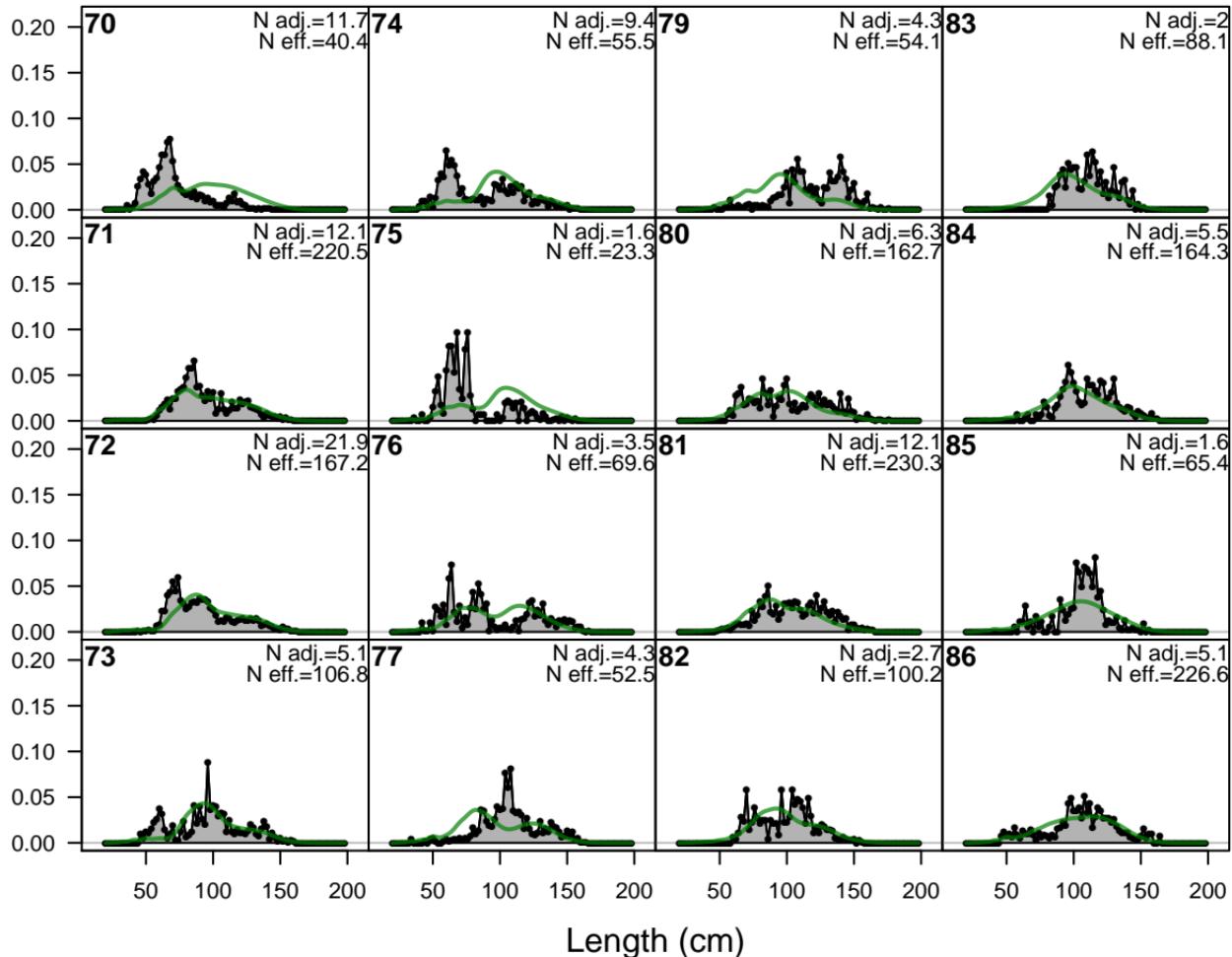
Proportion



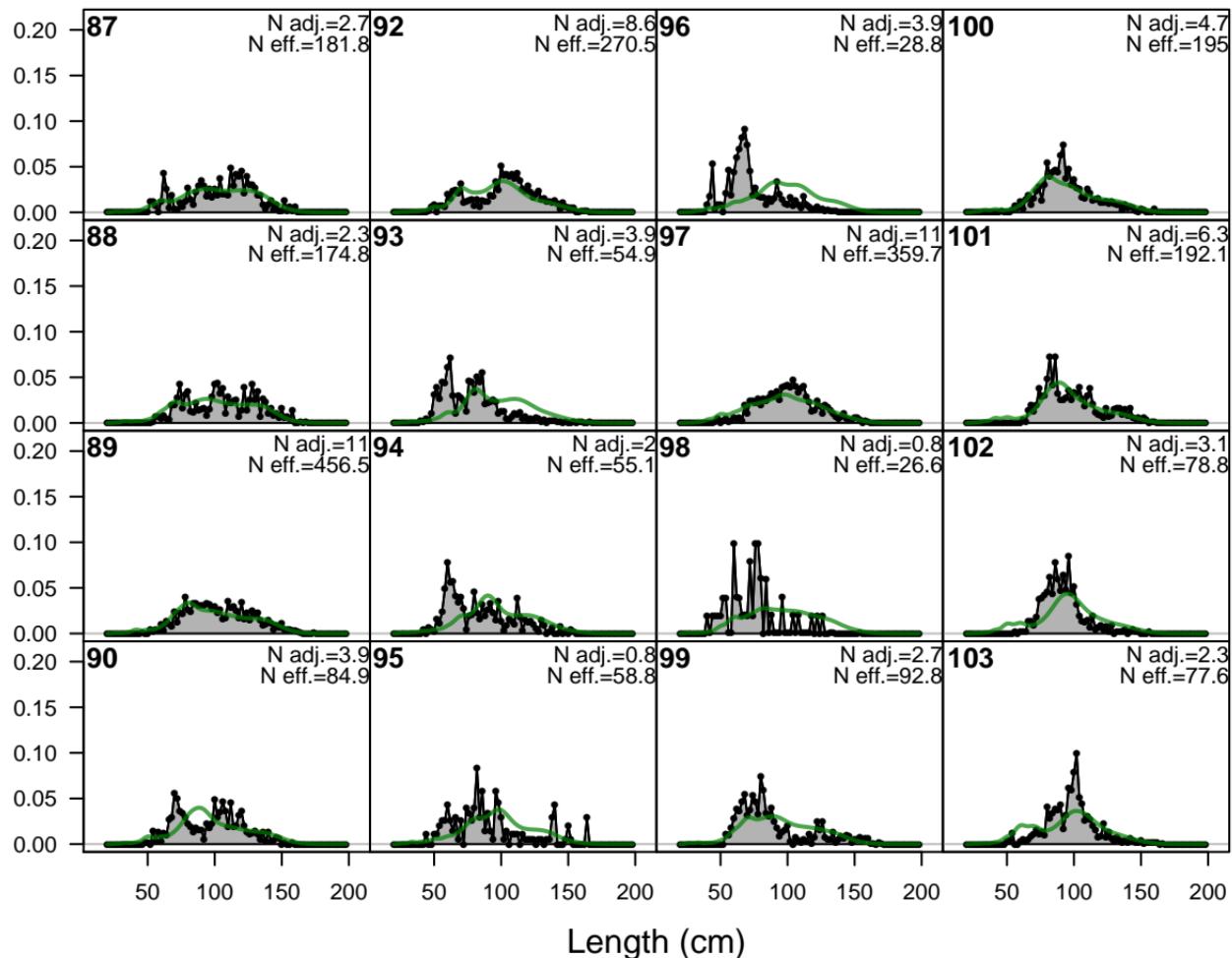
Proportion



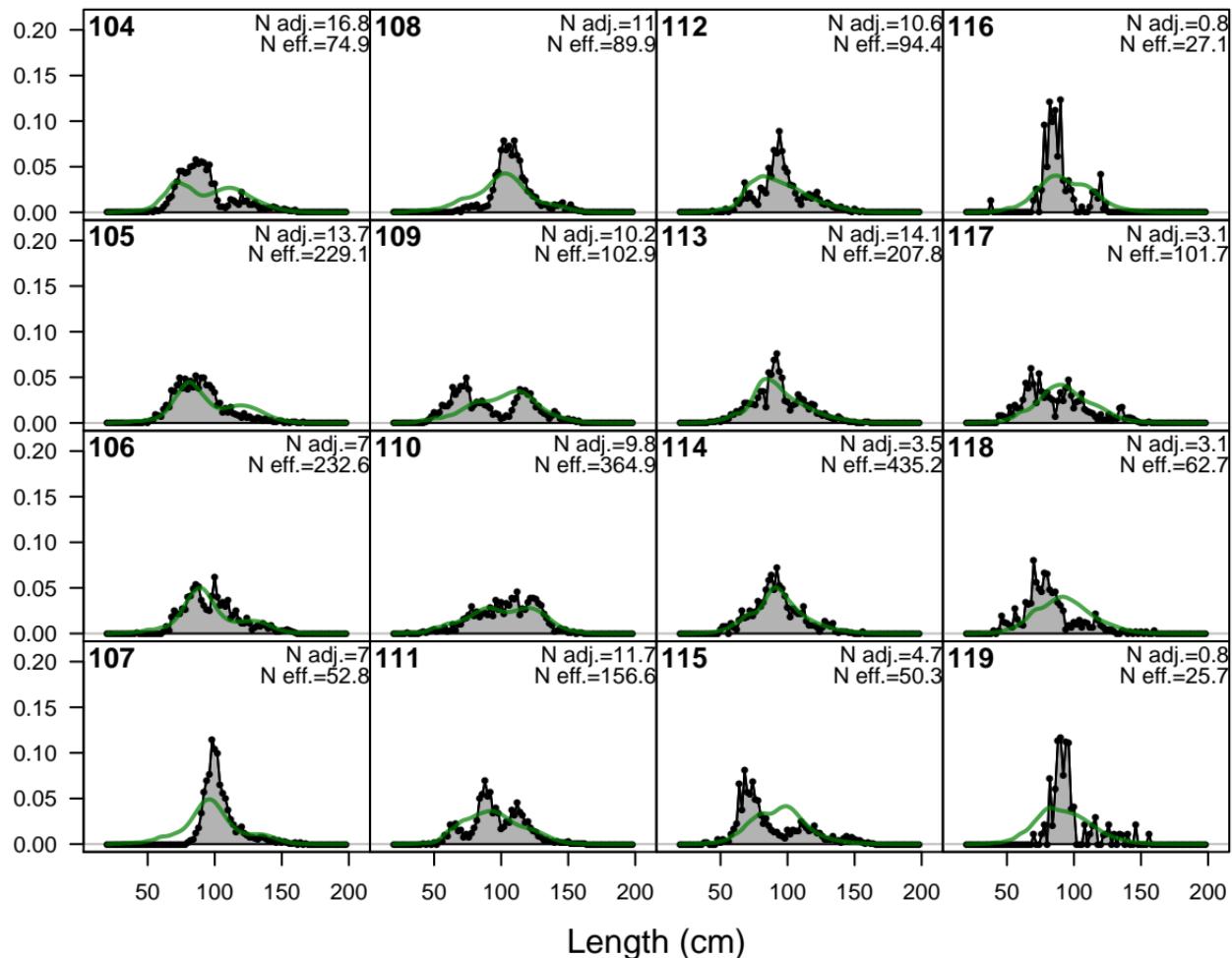
Proportion



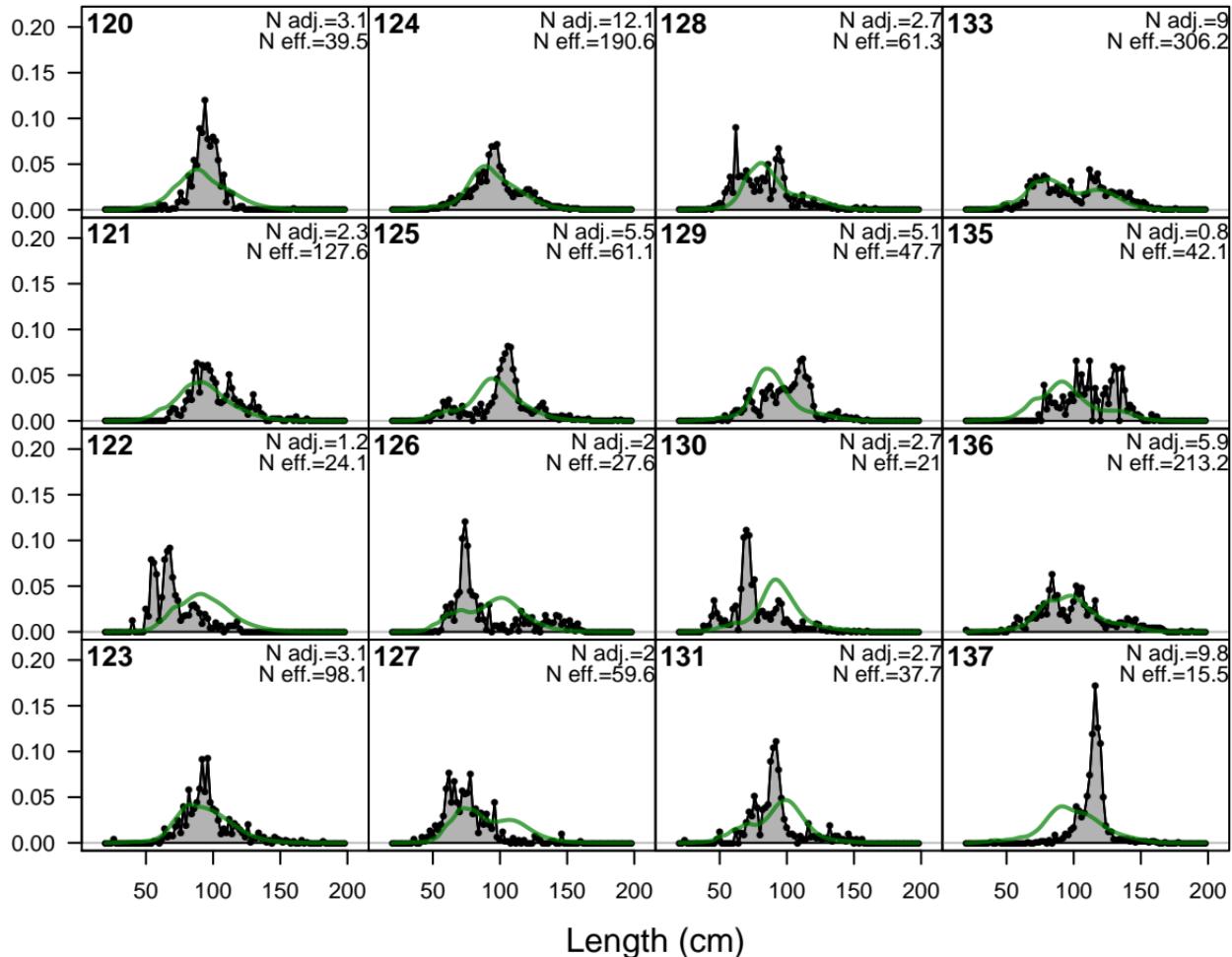
Proportion



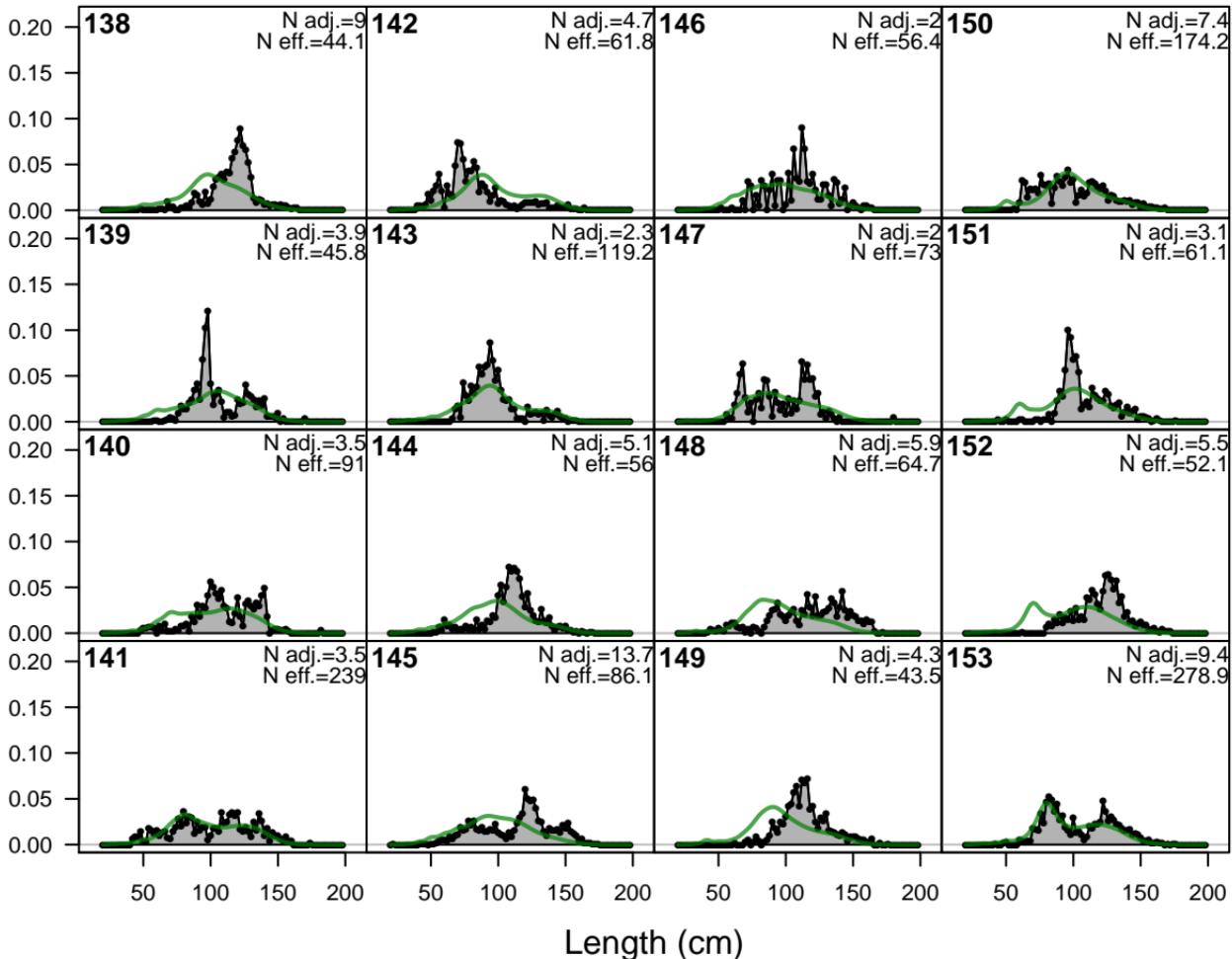
Proportion



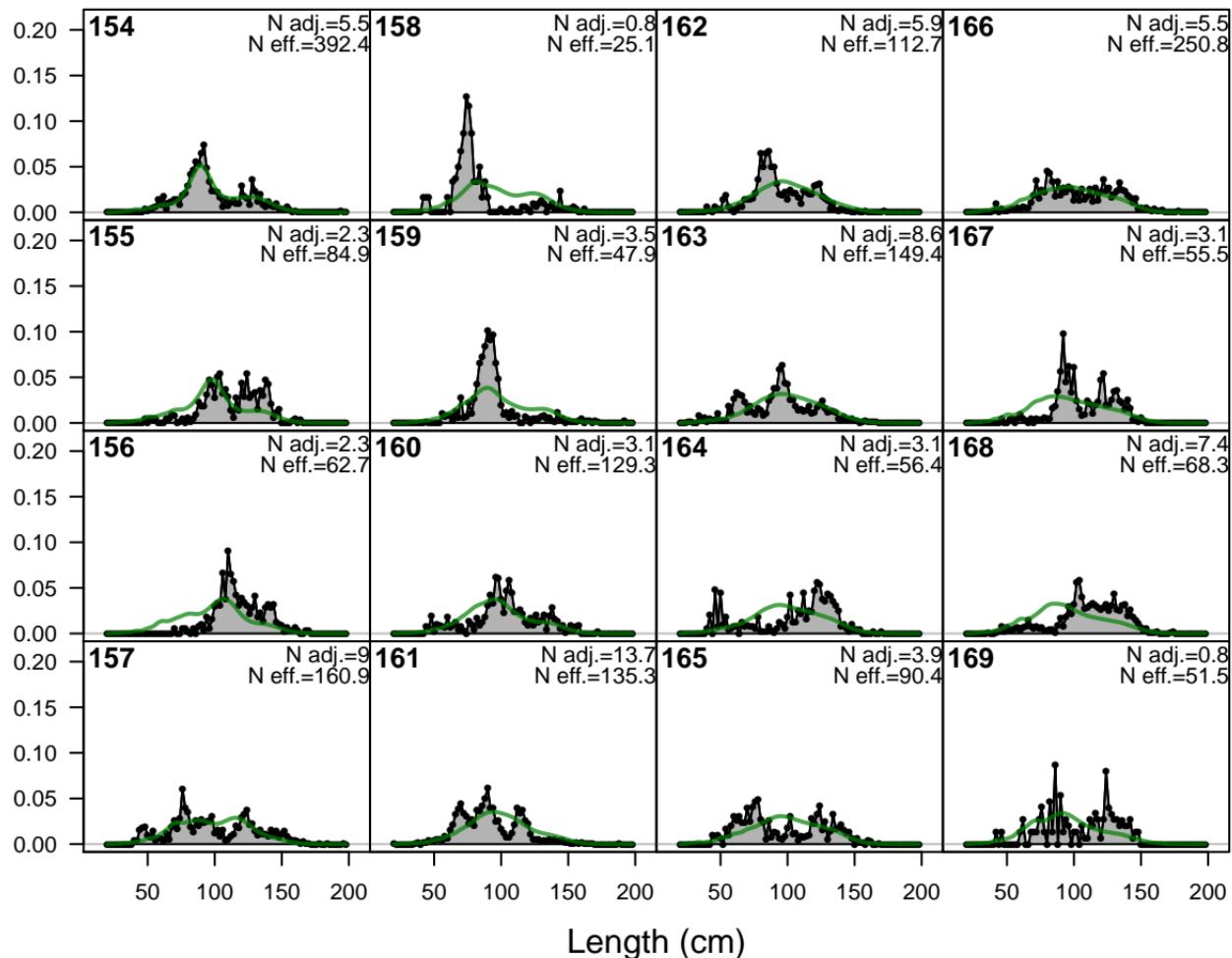
Proportion

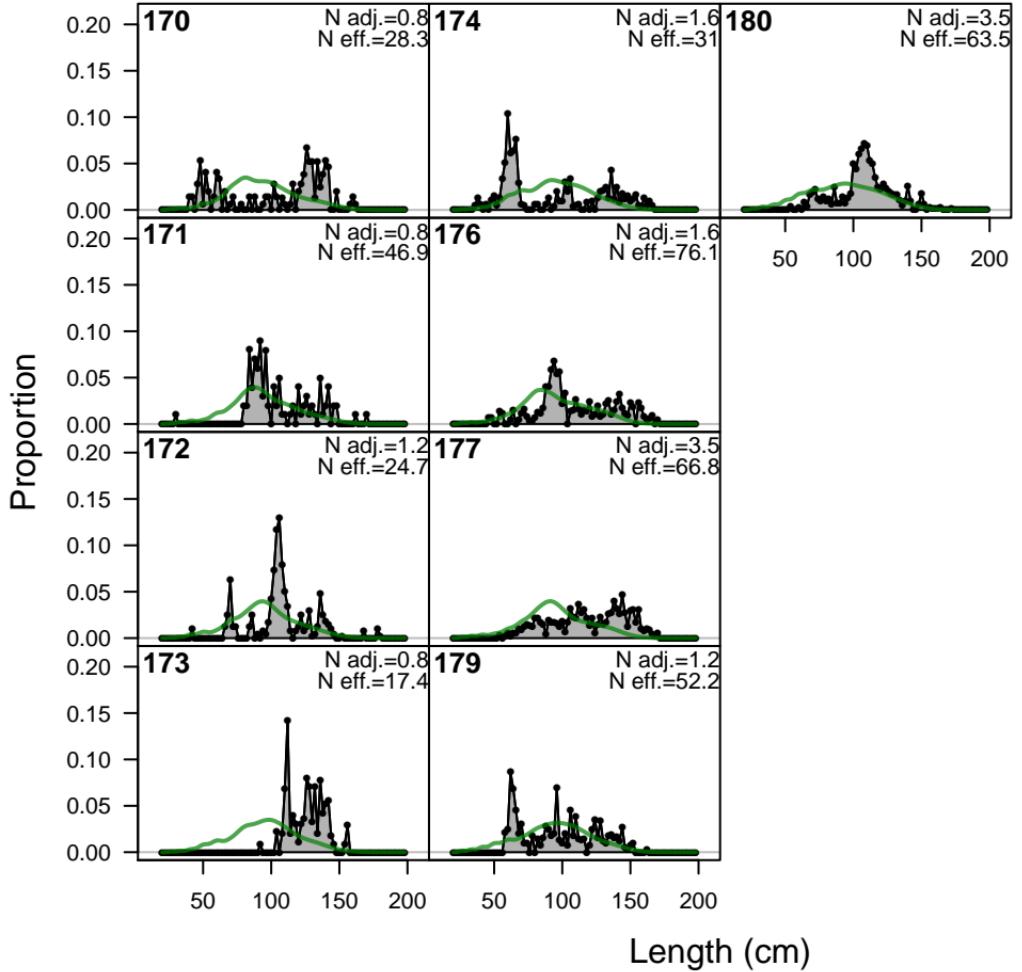


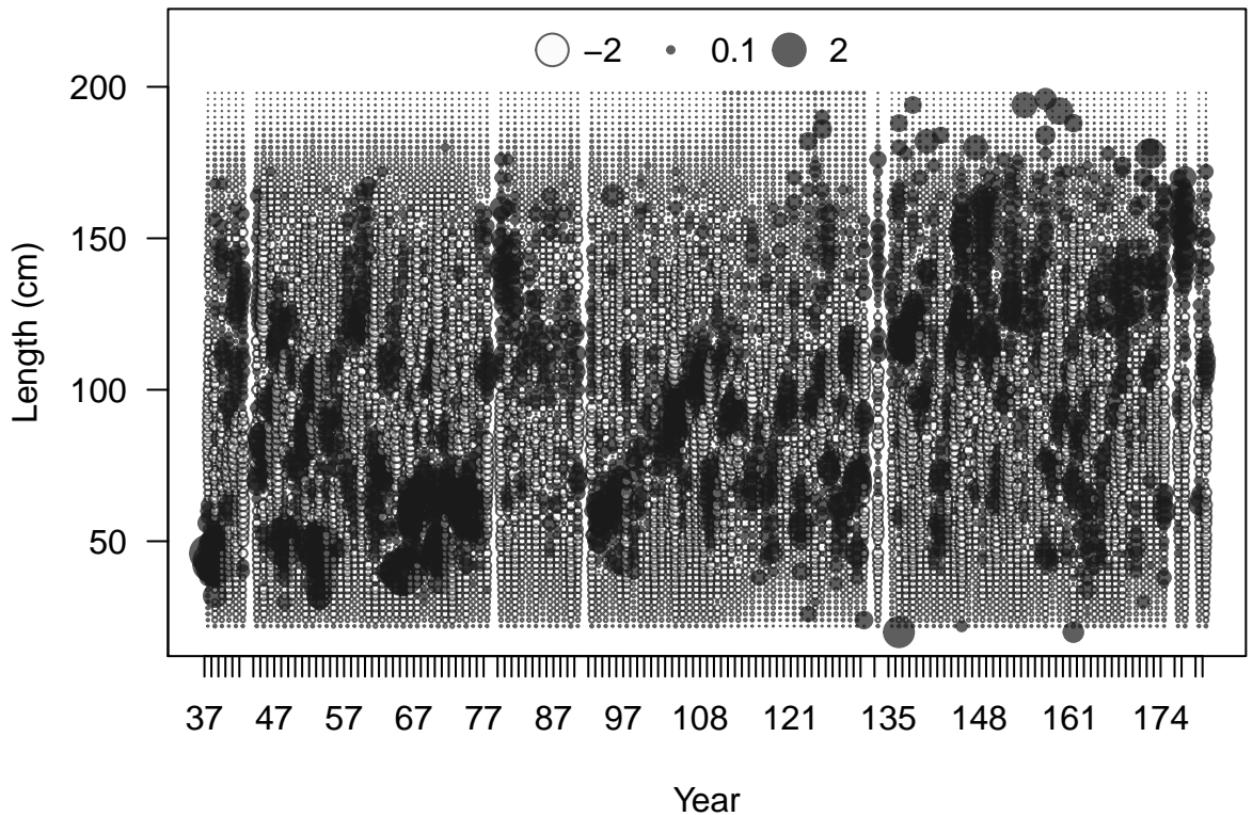
Proportion

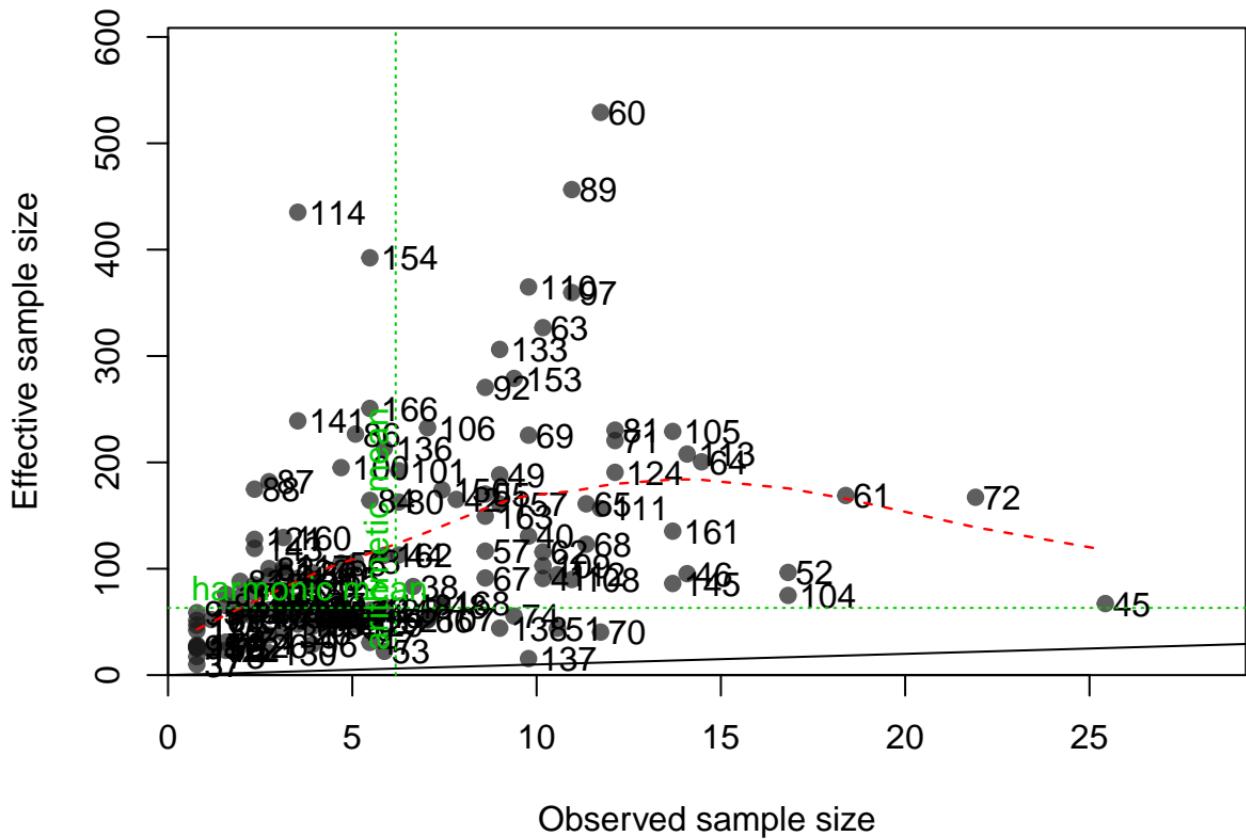


Proportion

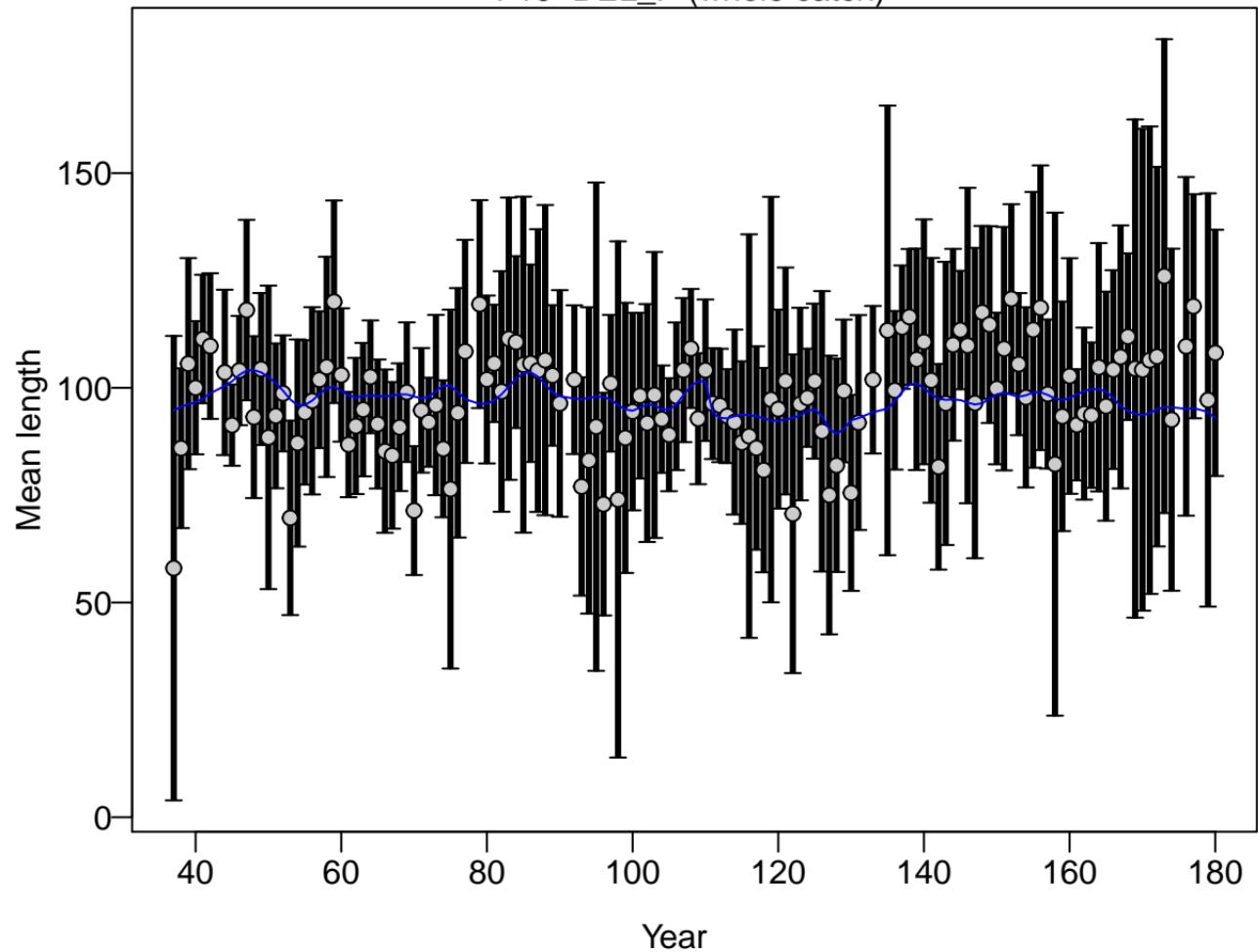




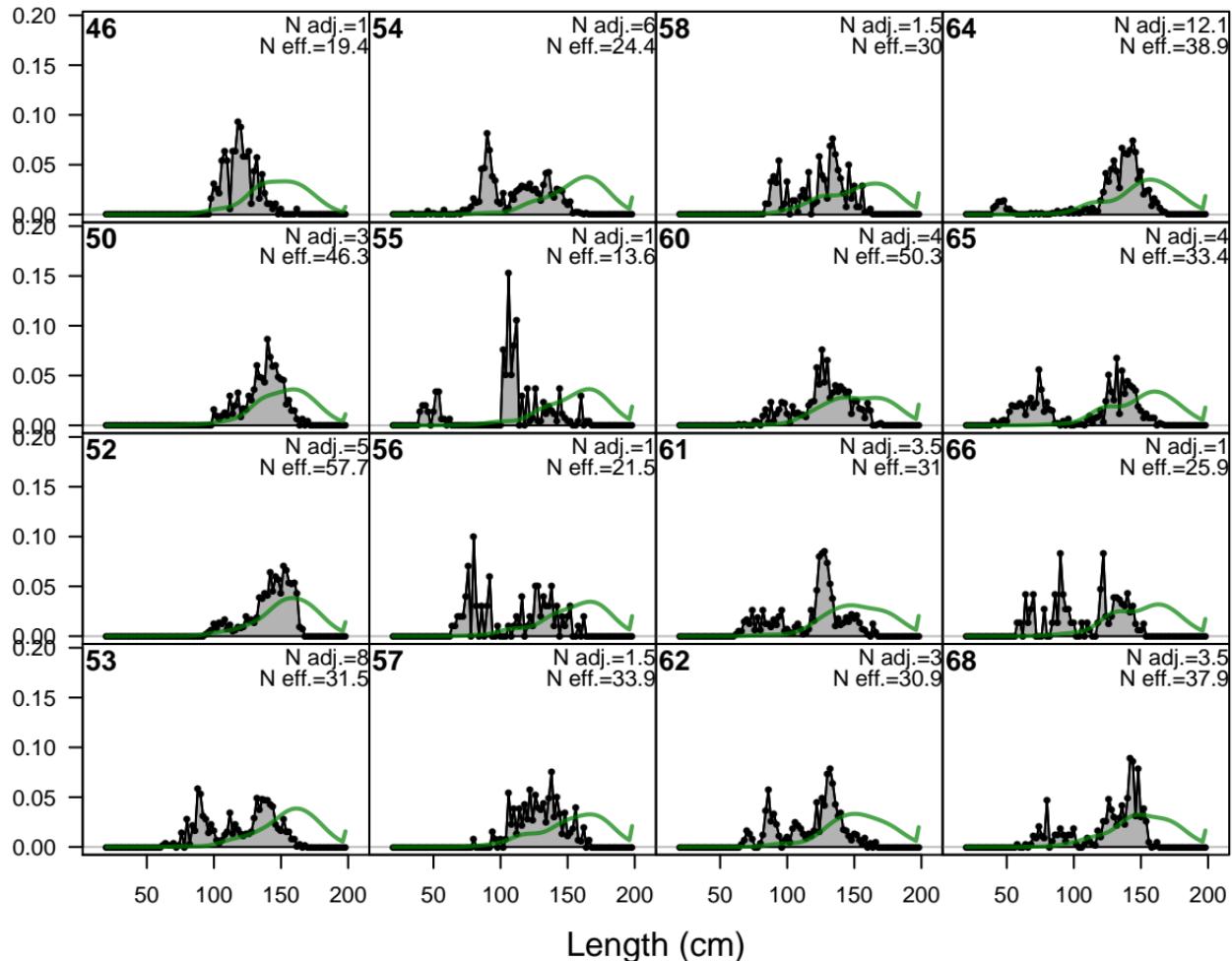


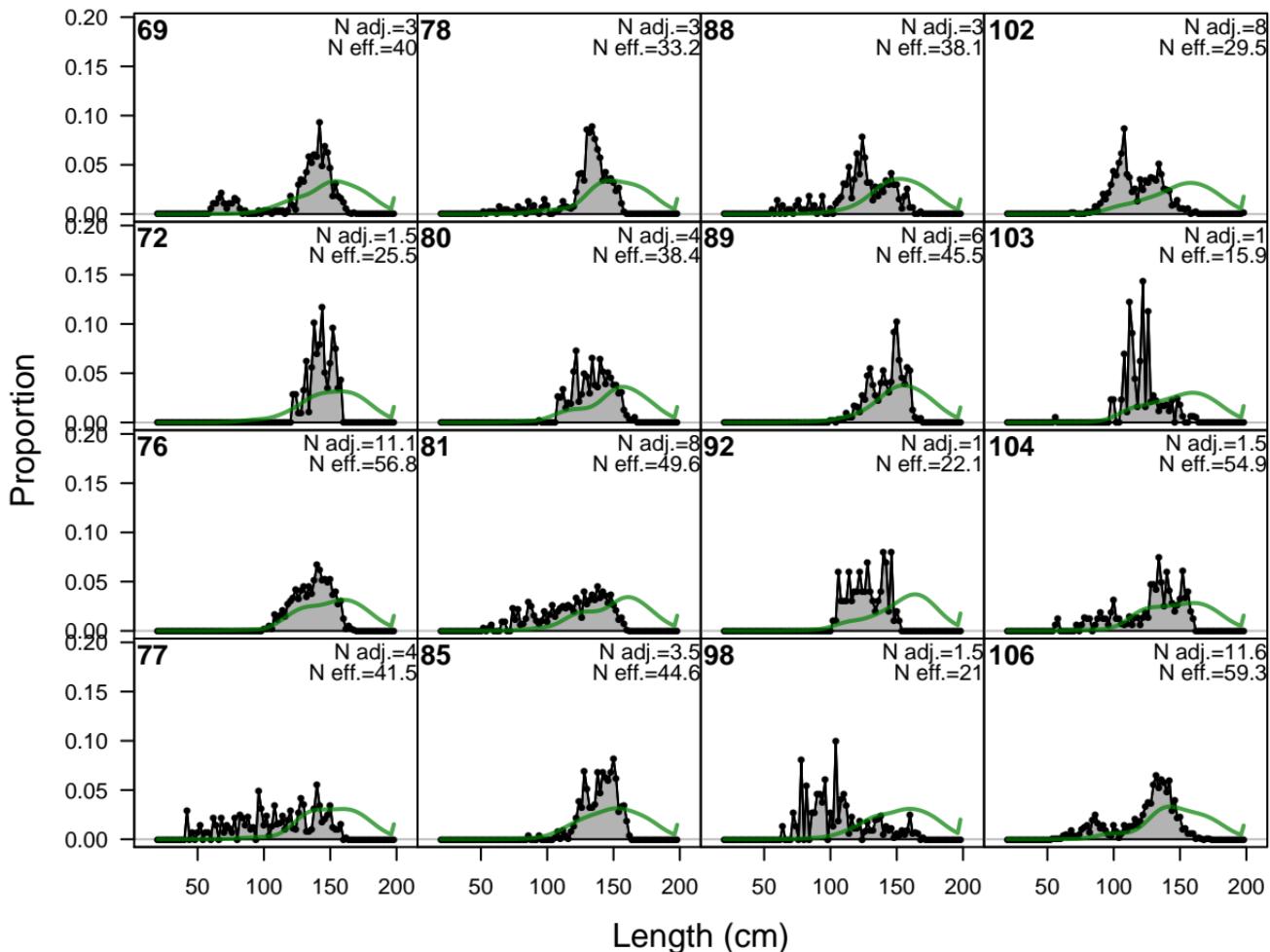


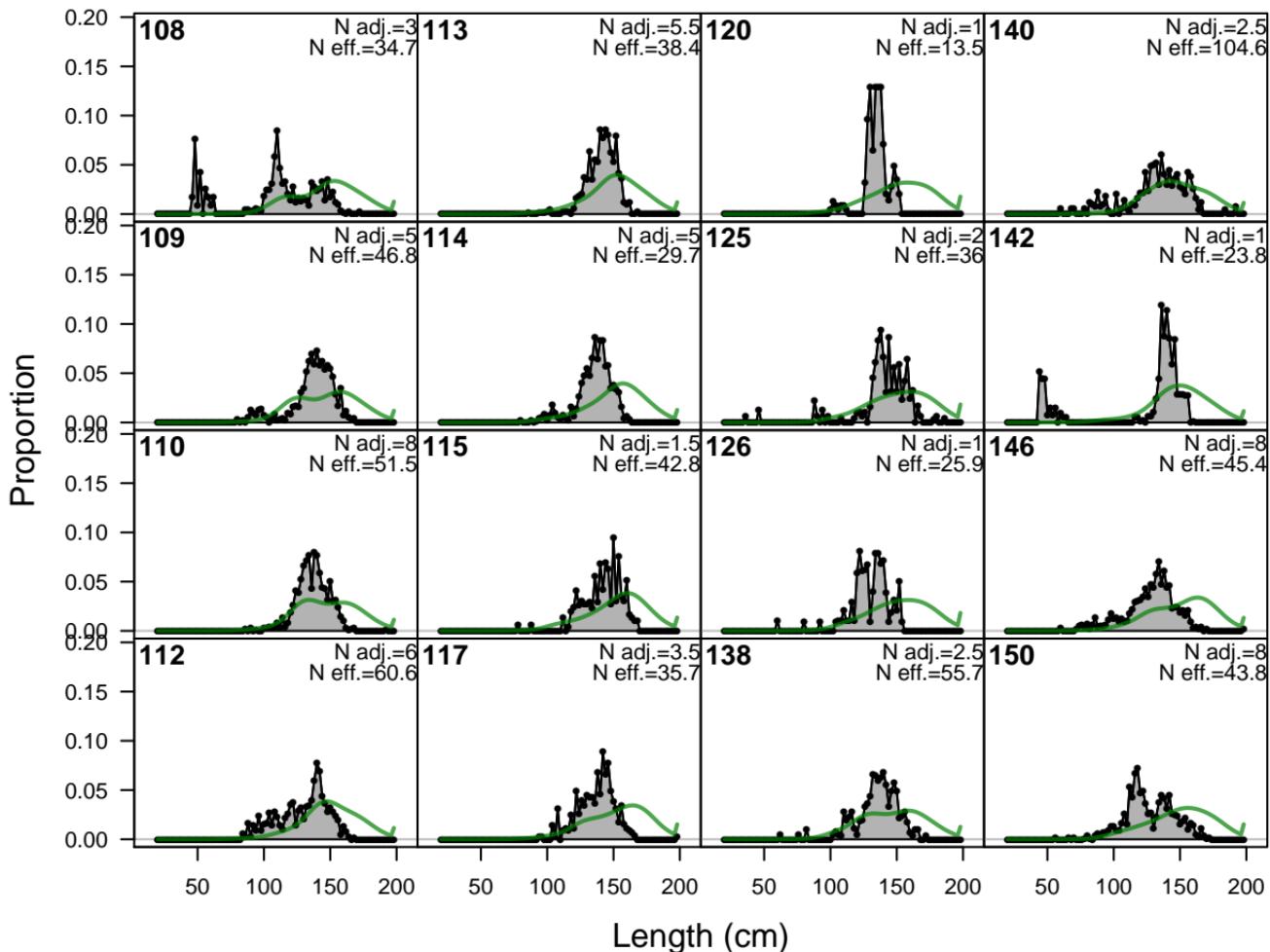
F19-DEL_P (whole catch)



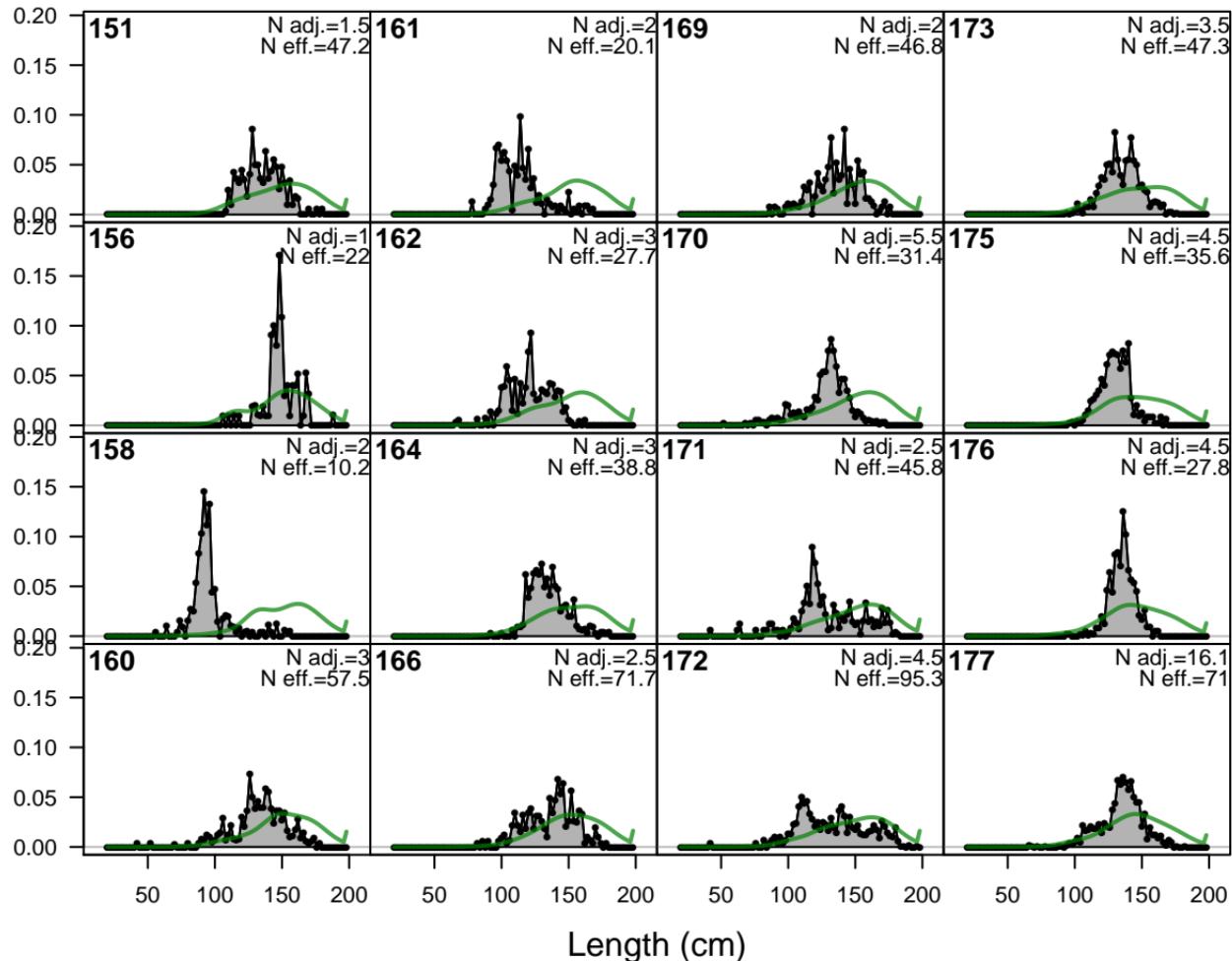
Proportion

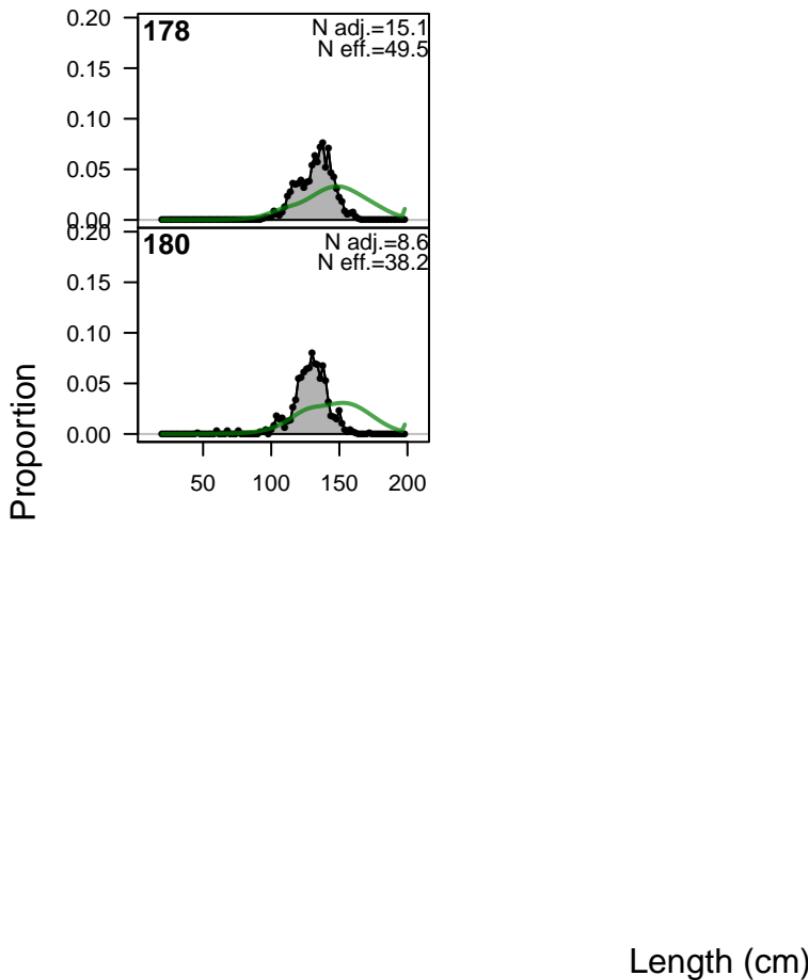


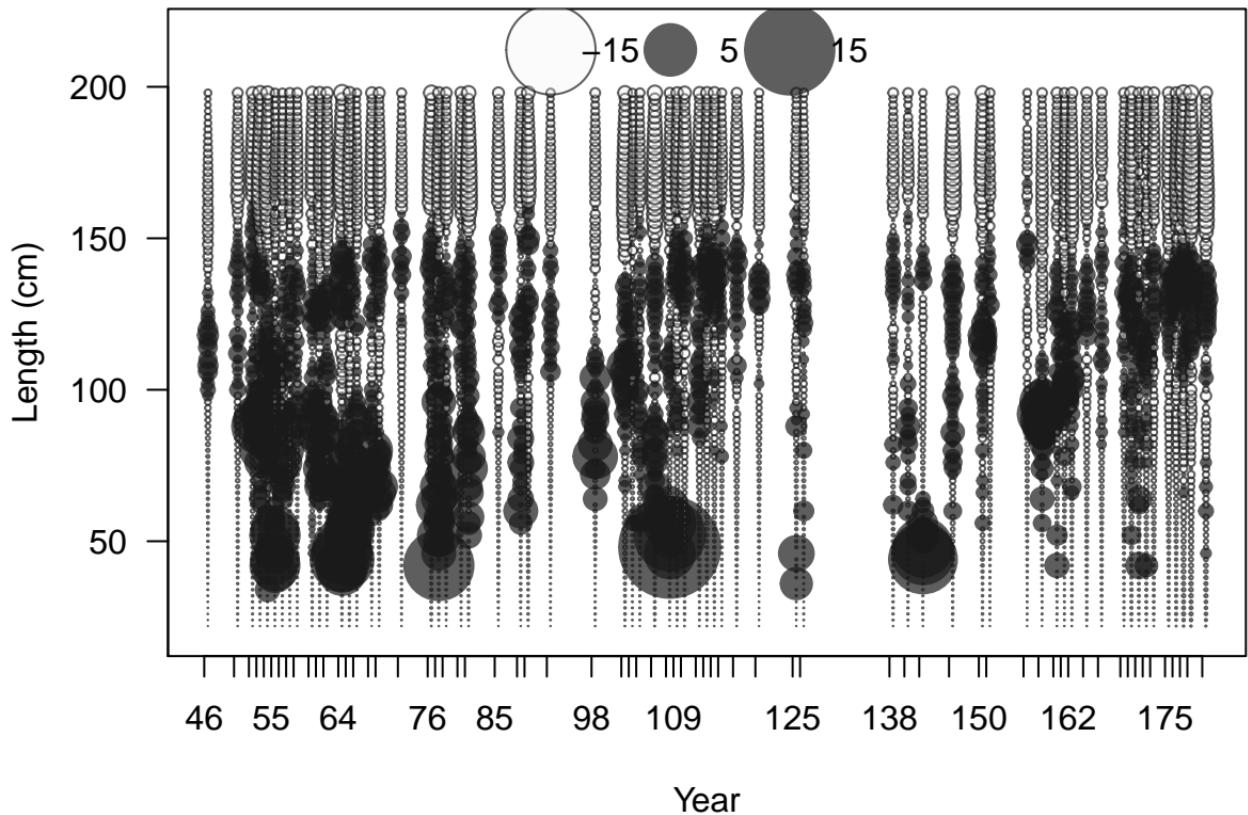


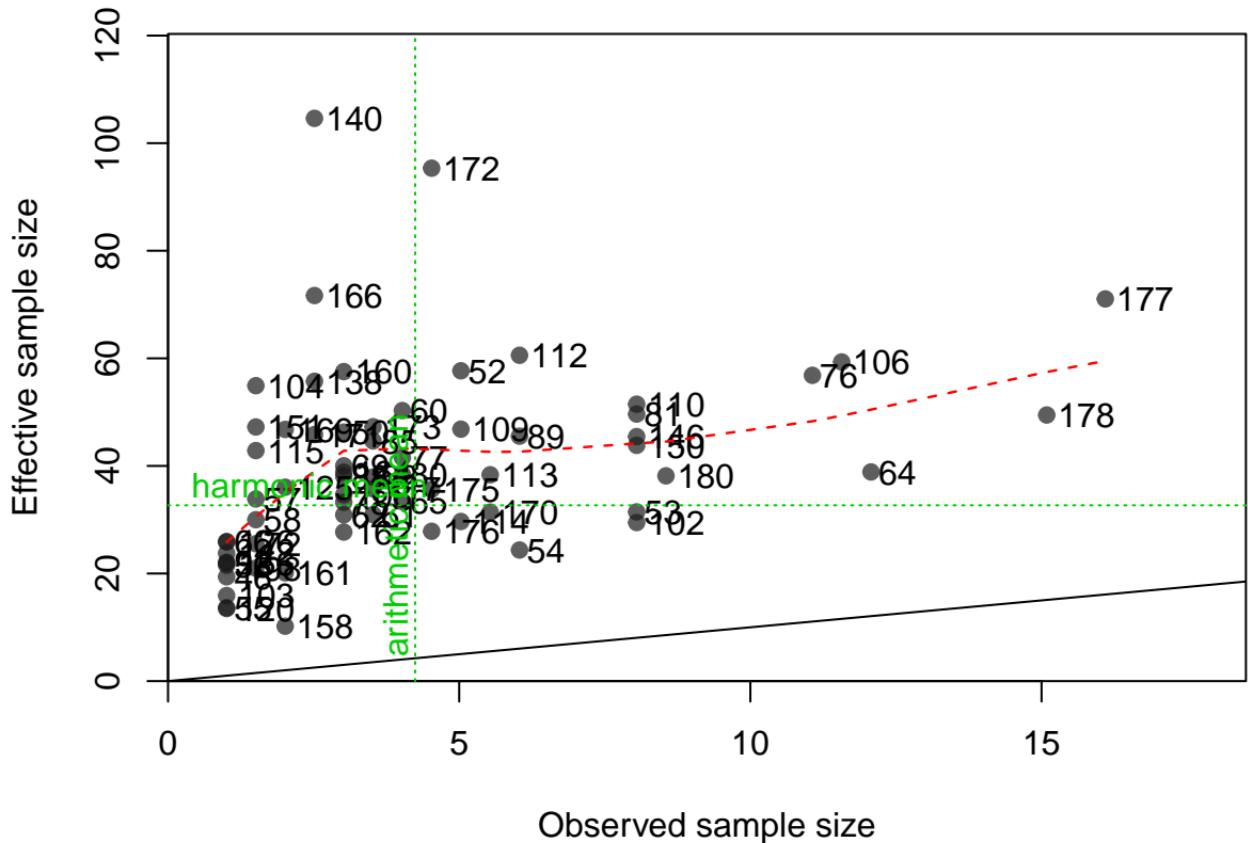


Proportion

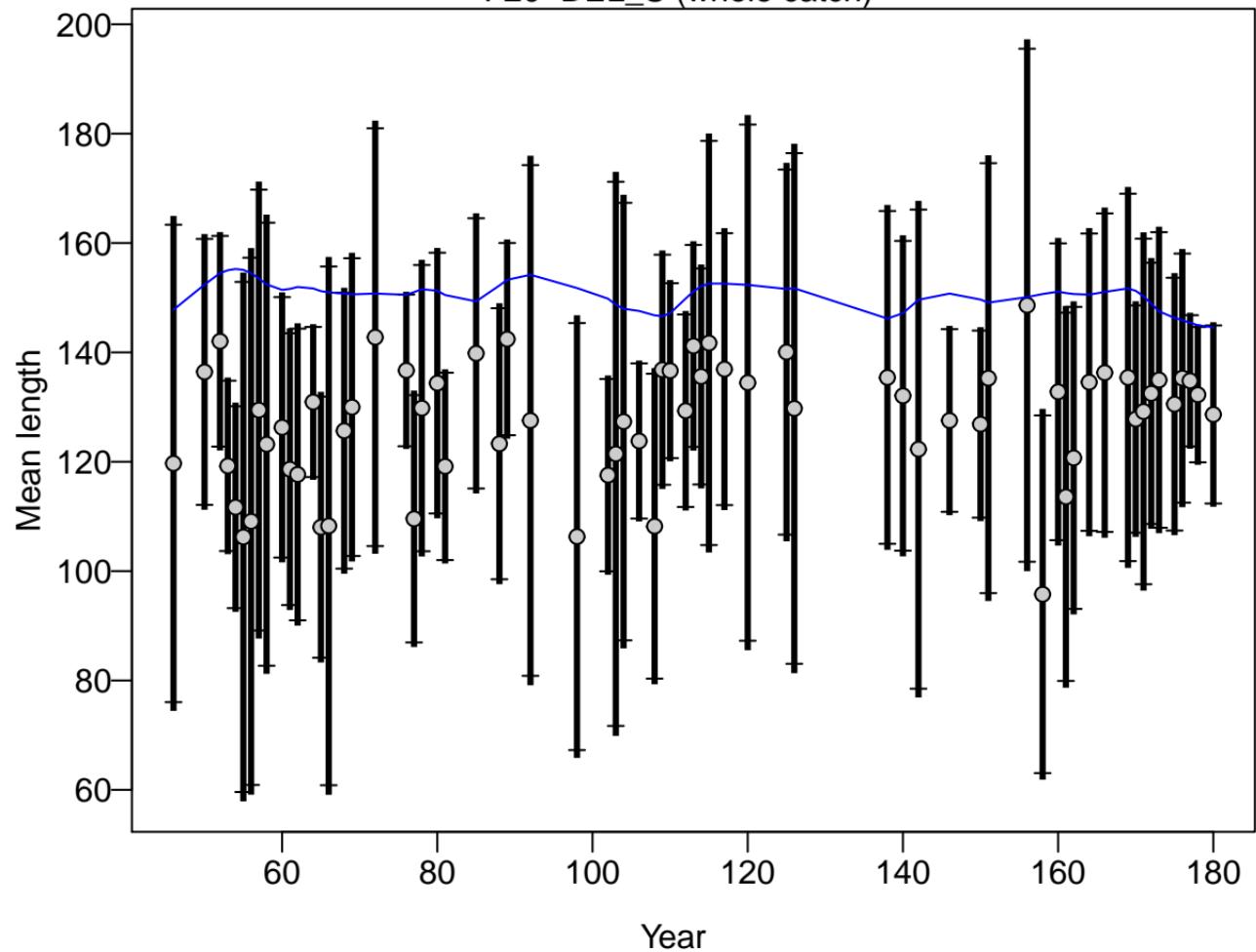




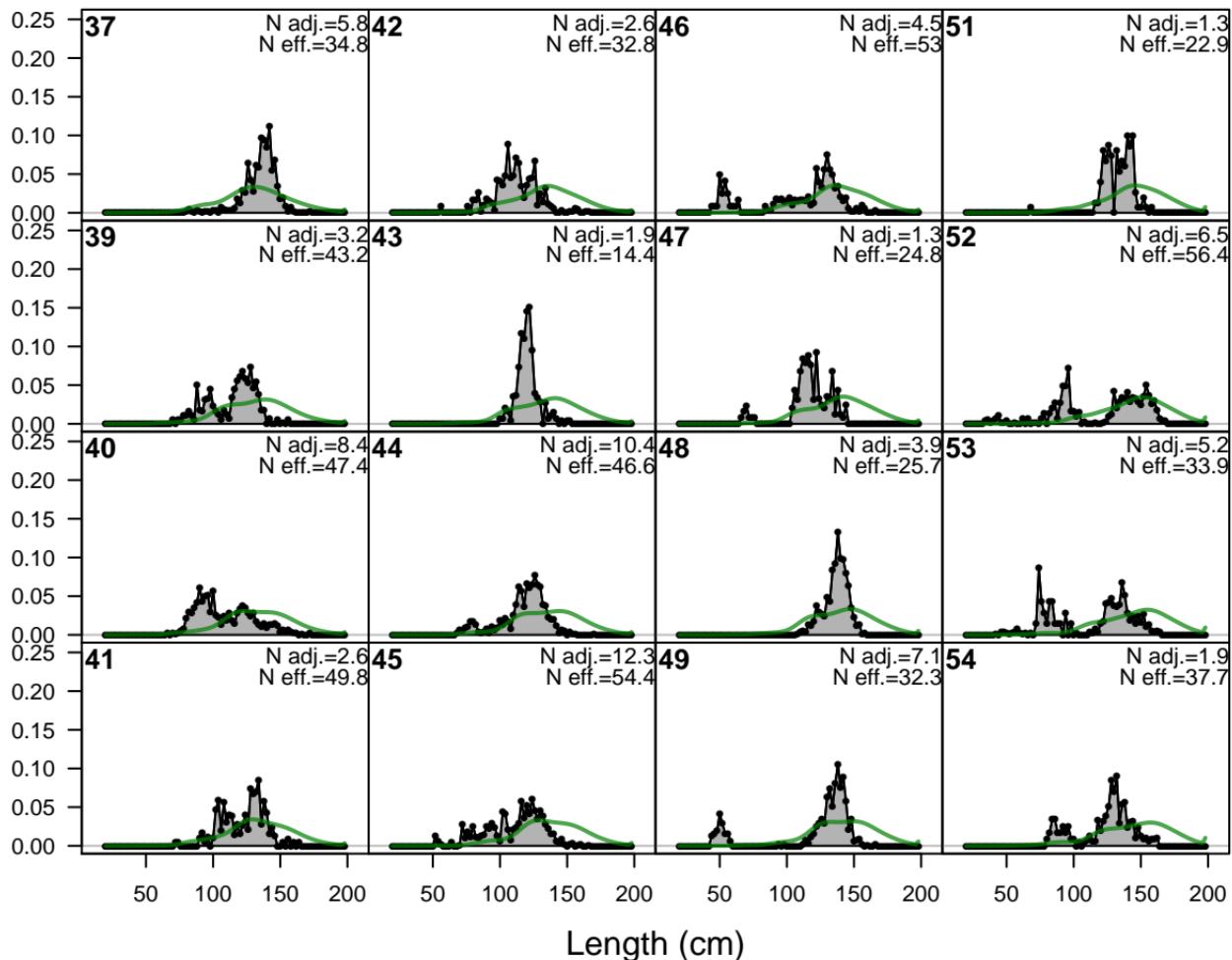




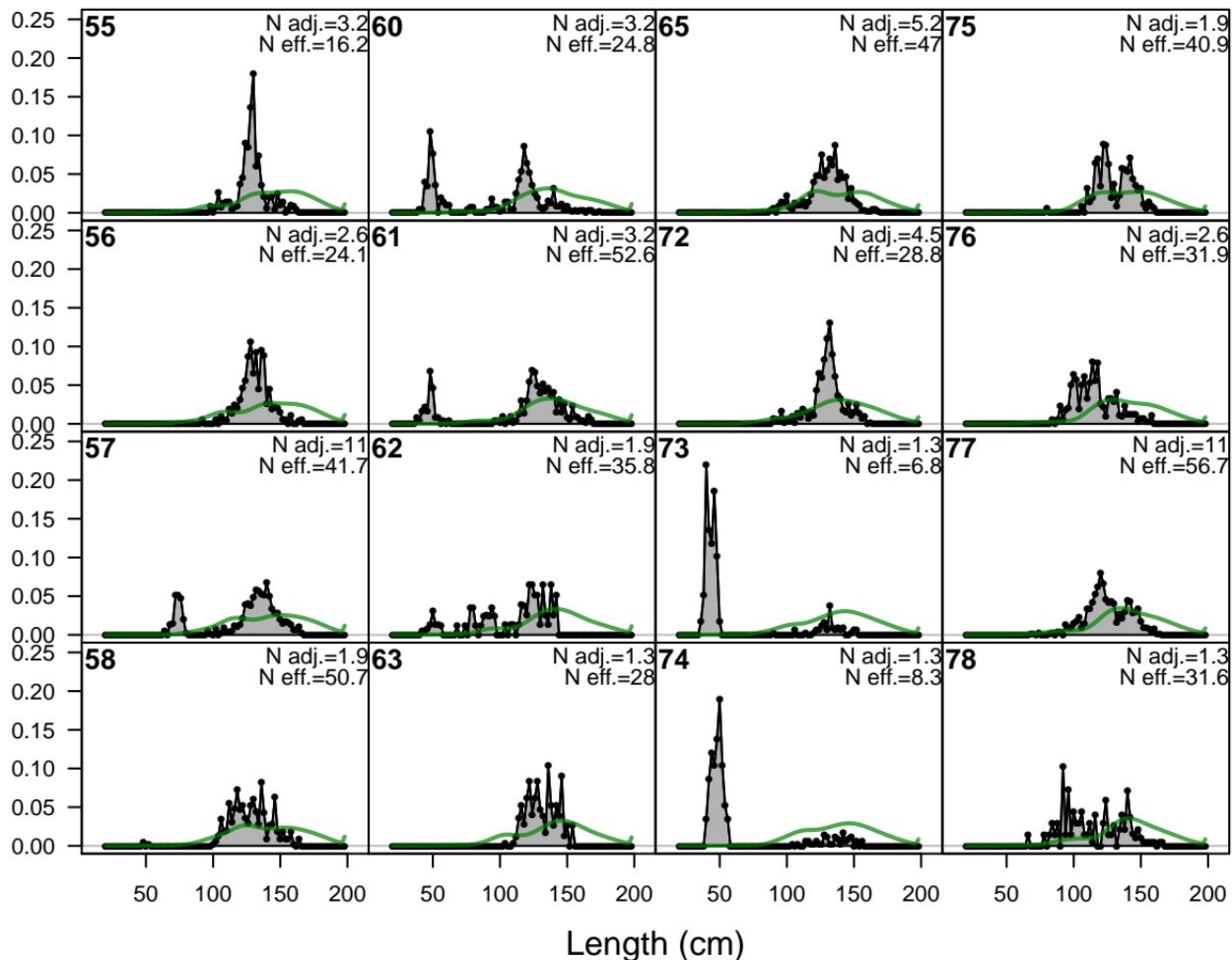
F20-DEL_S (whole catch)



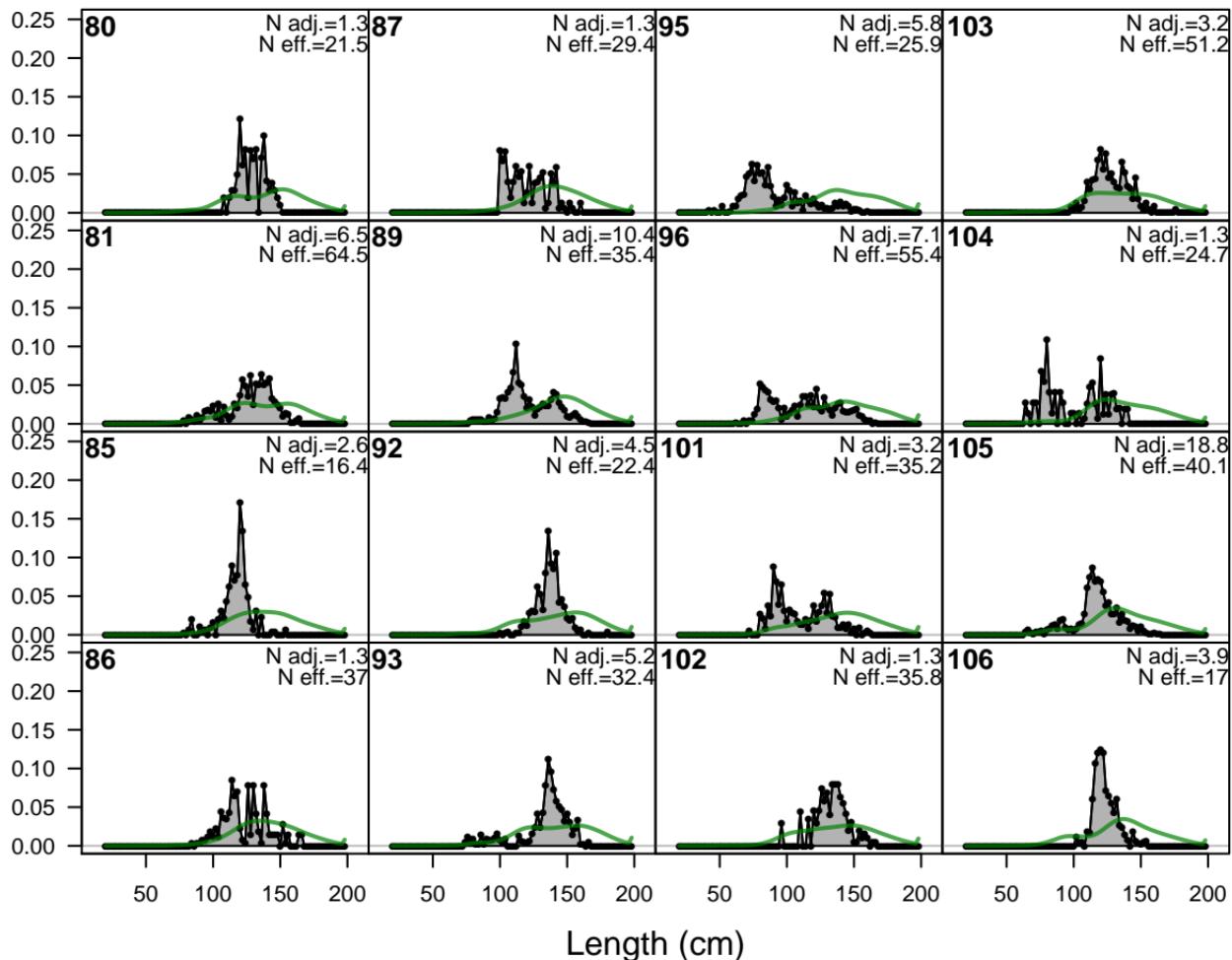
Proportion



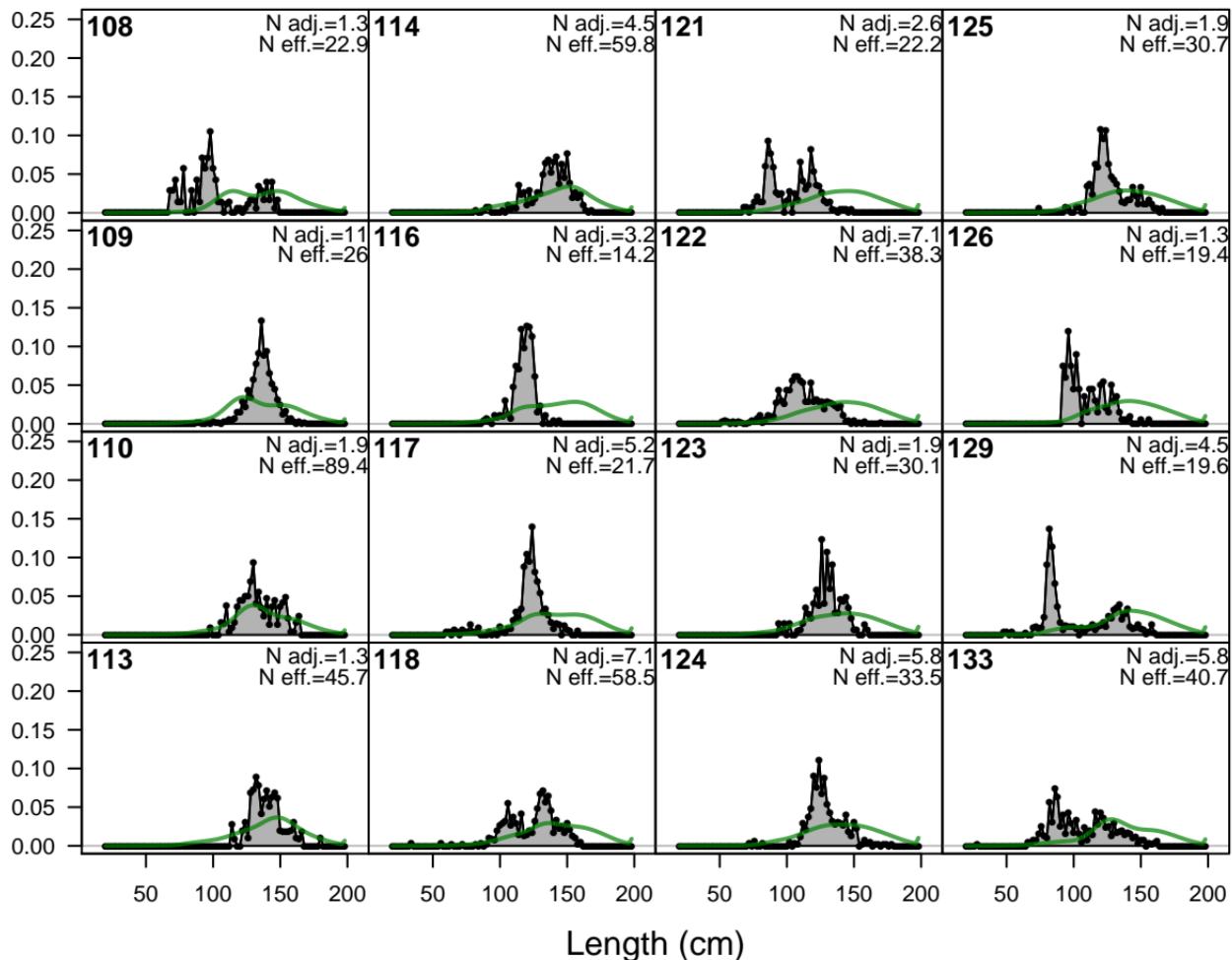
Proportion



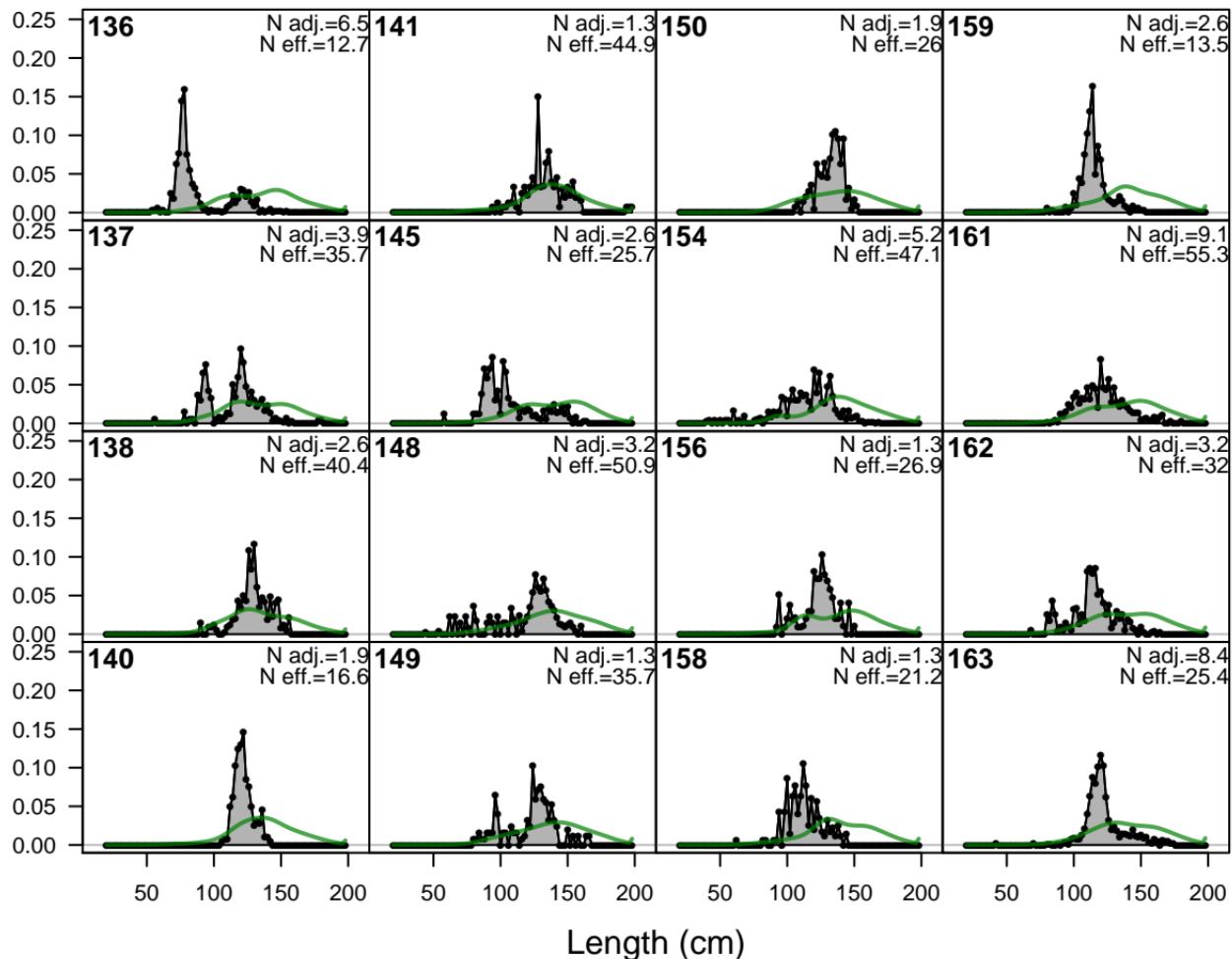
Proportion



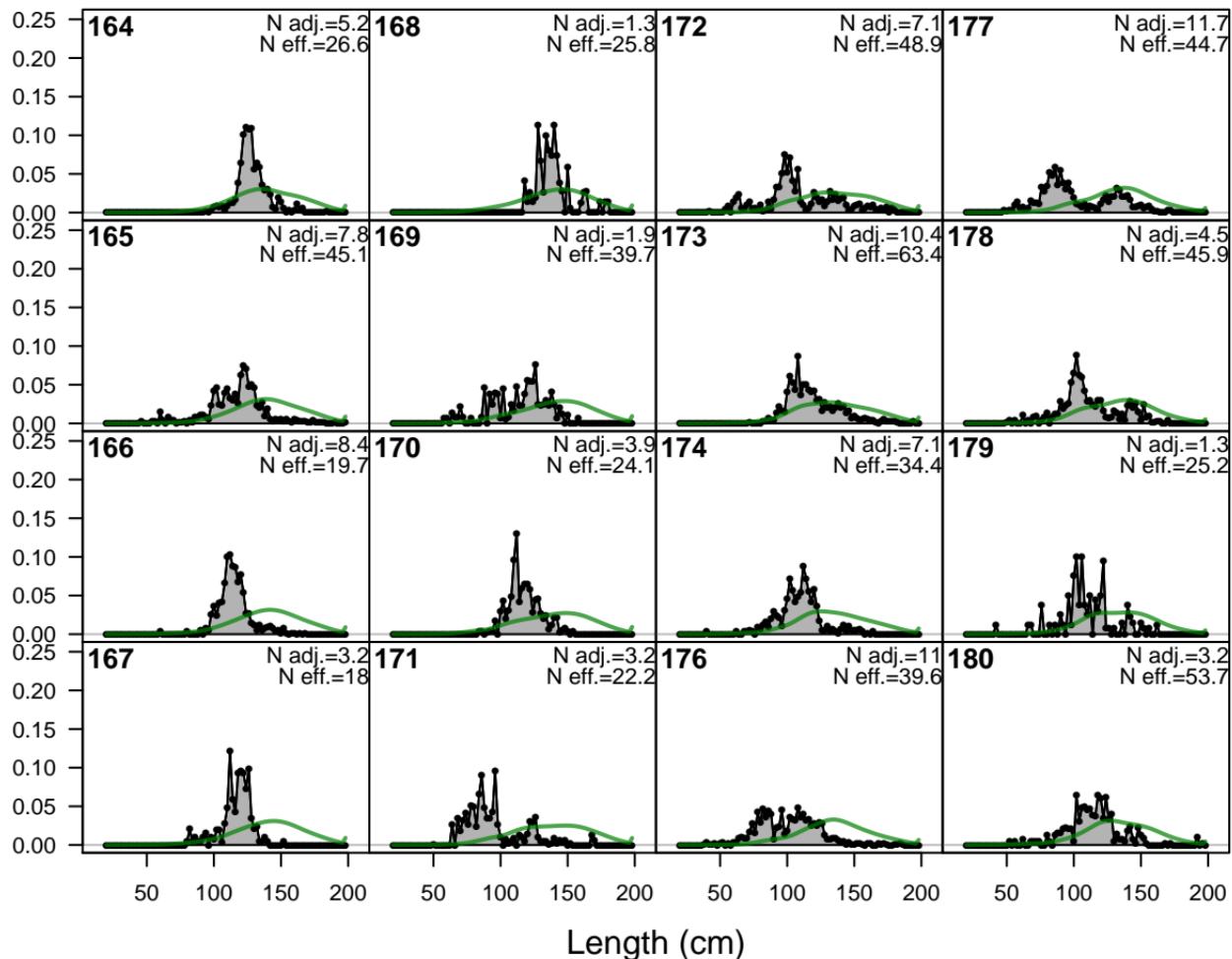
Proportion

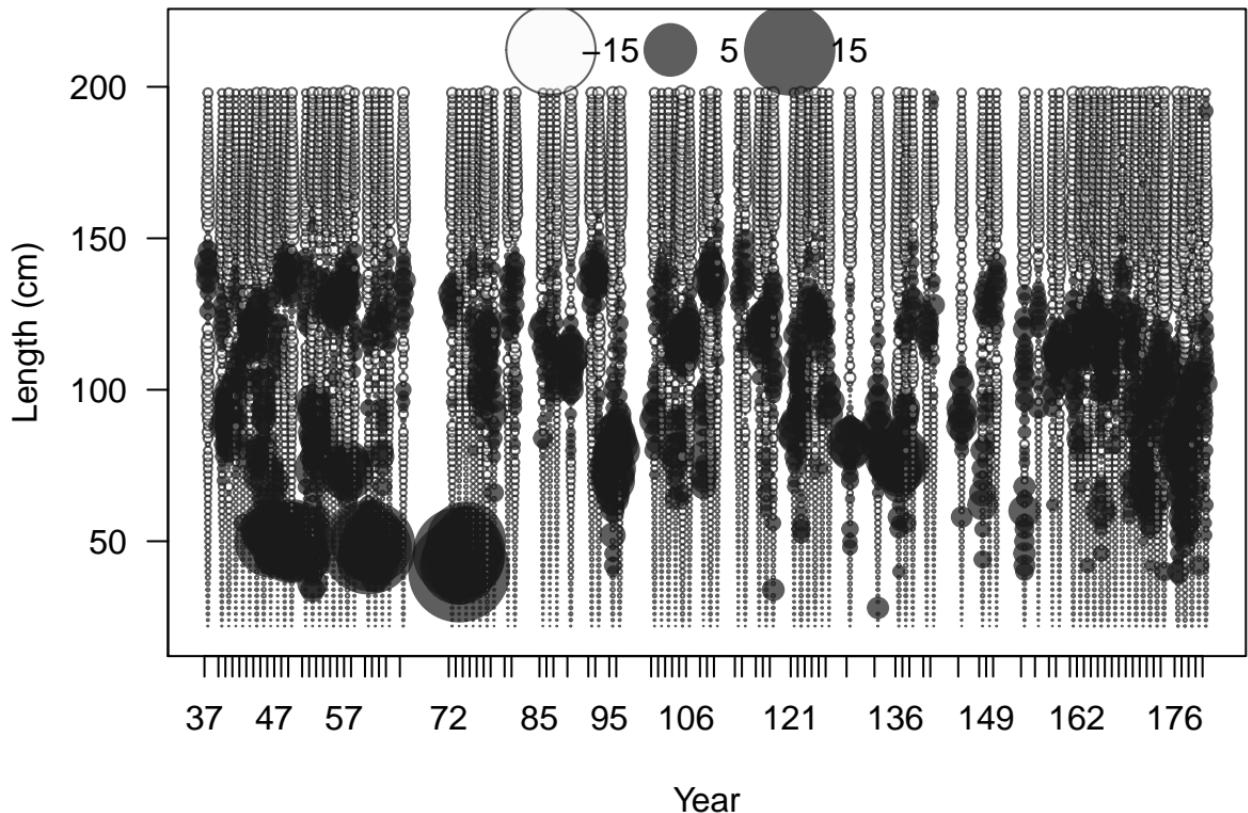


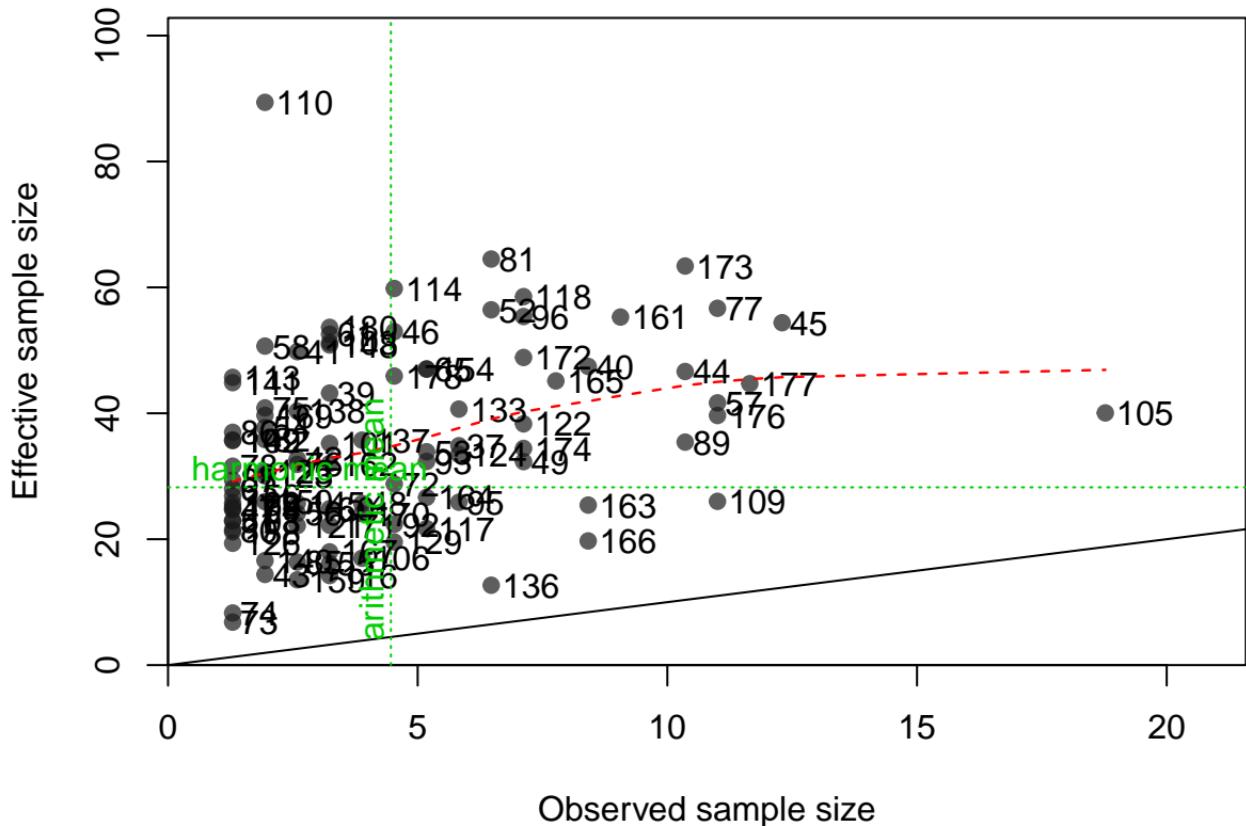
Proportion



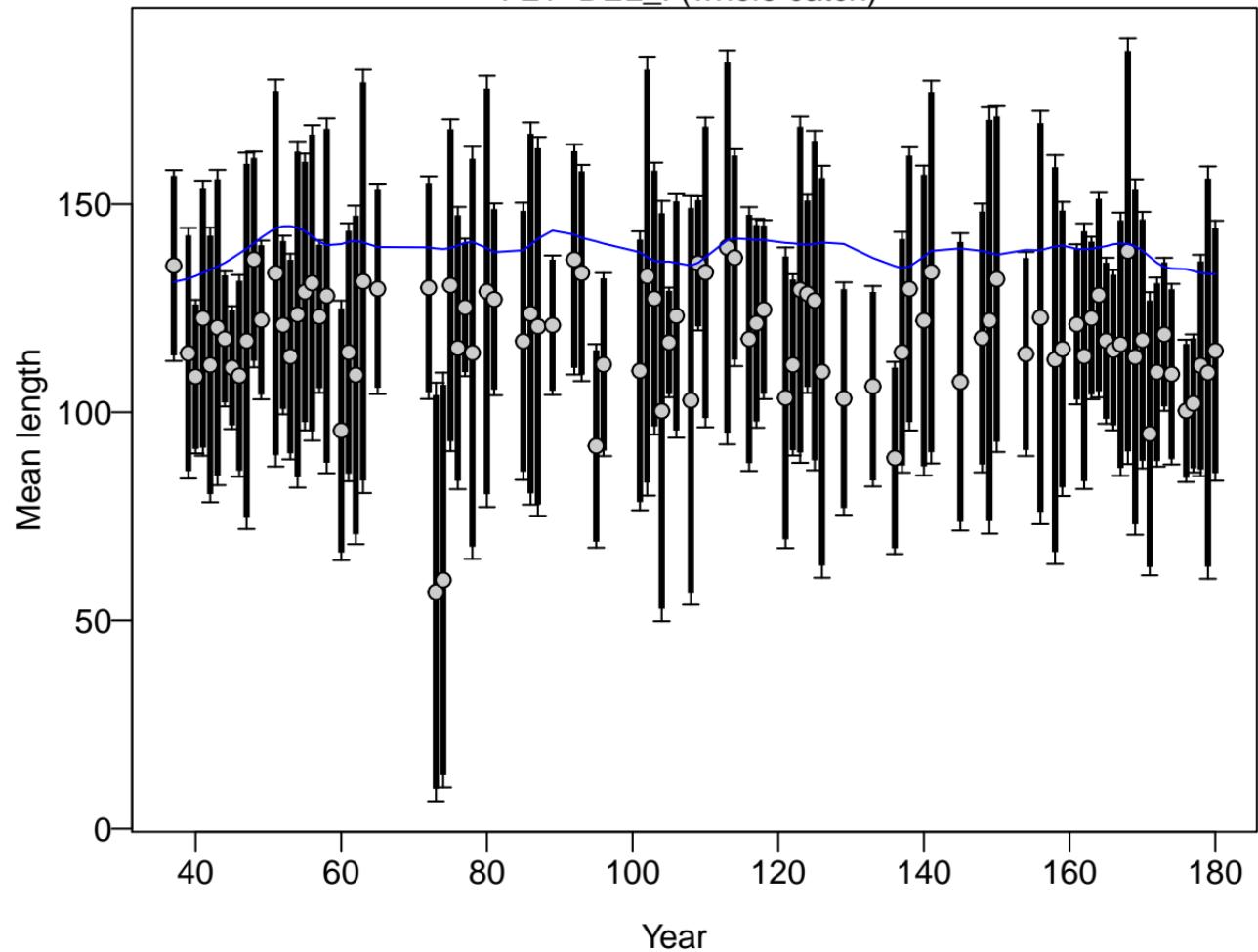
Proportion



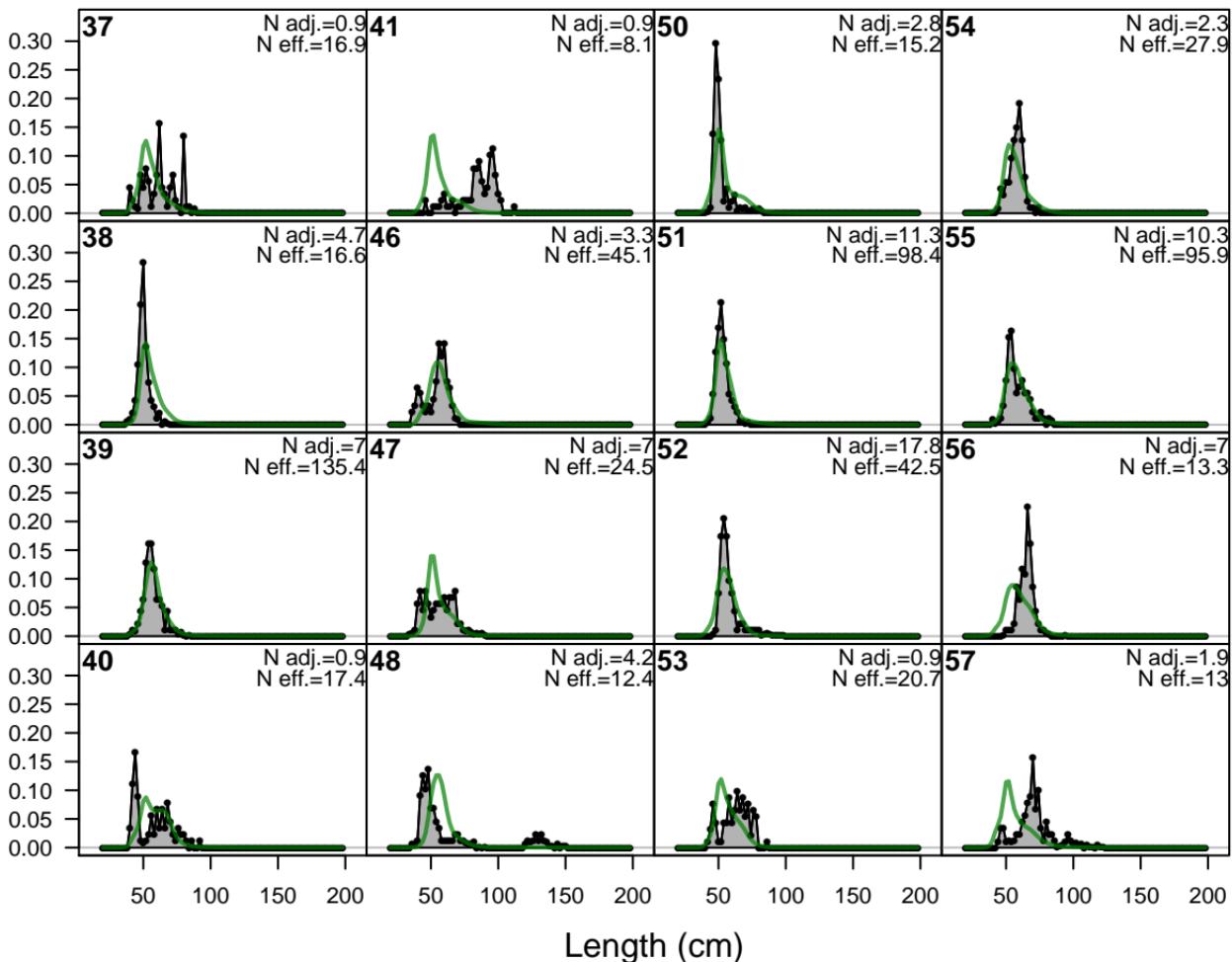




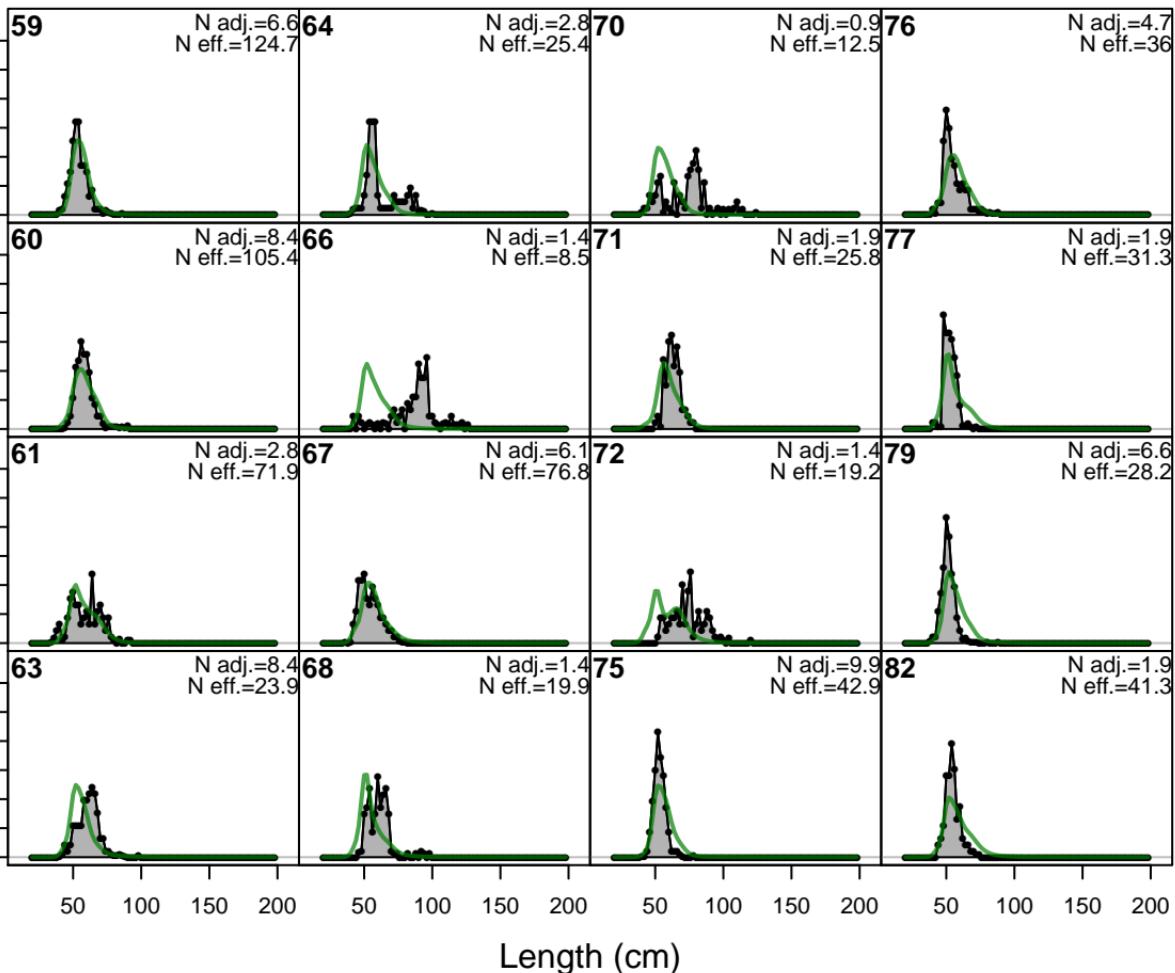
F21-DEL_I (whole catch)



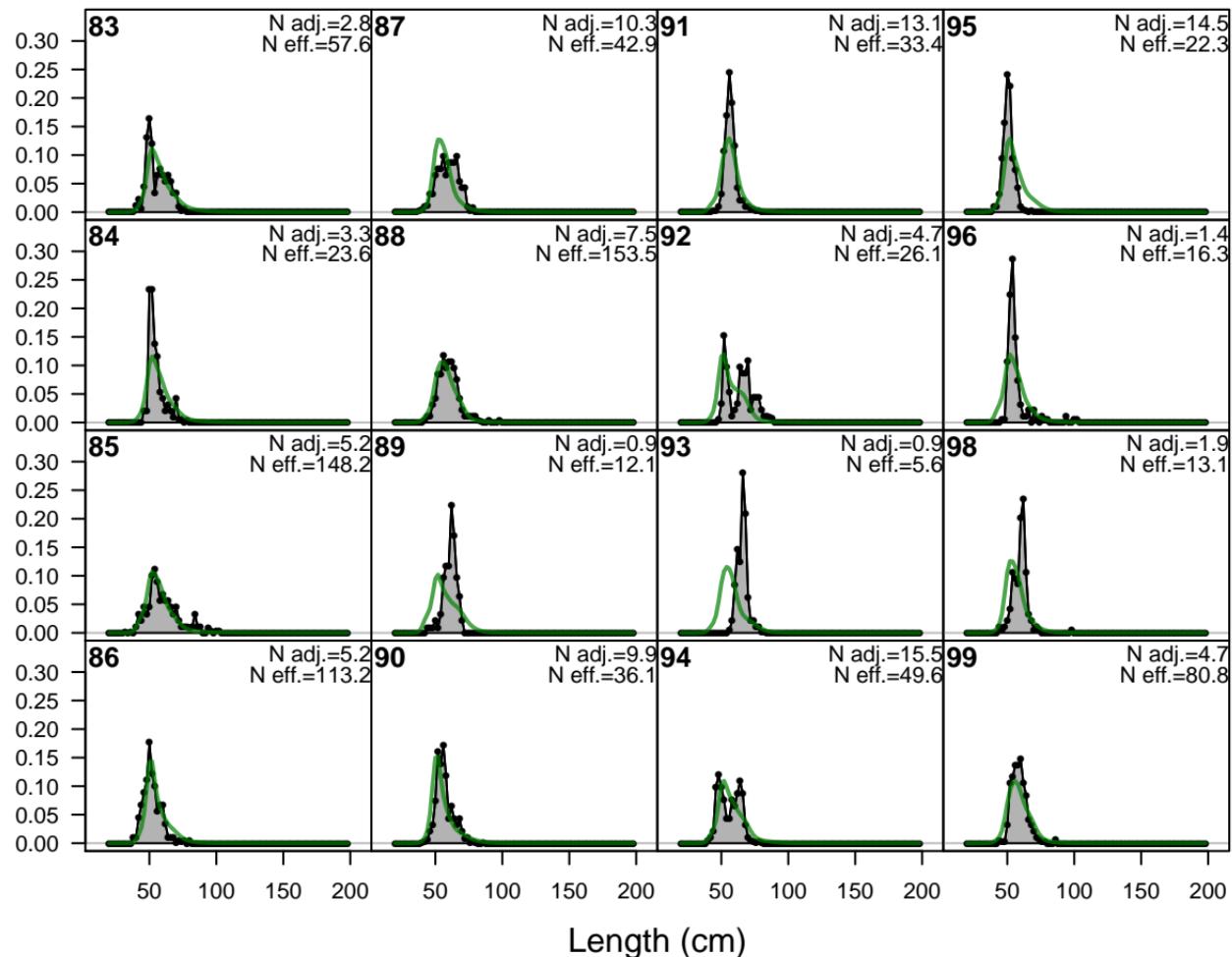
Proportion



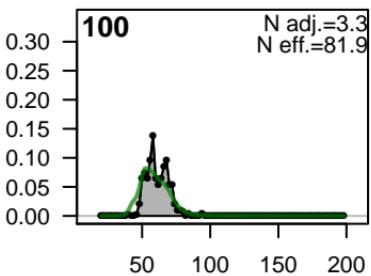
Proportion

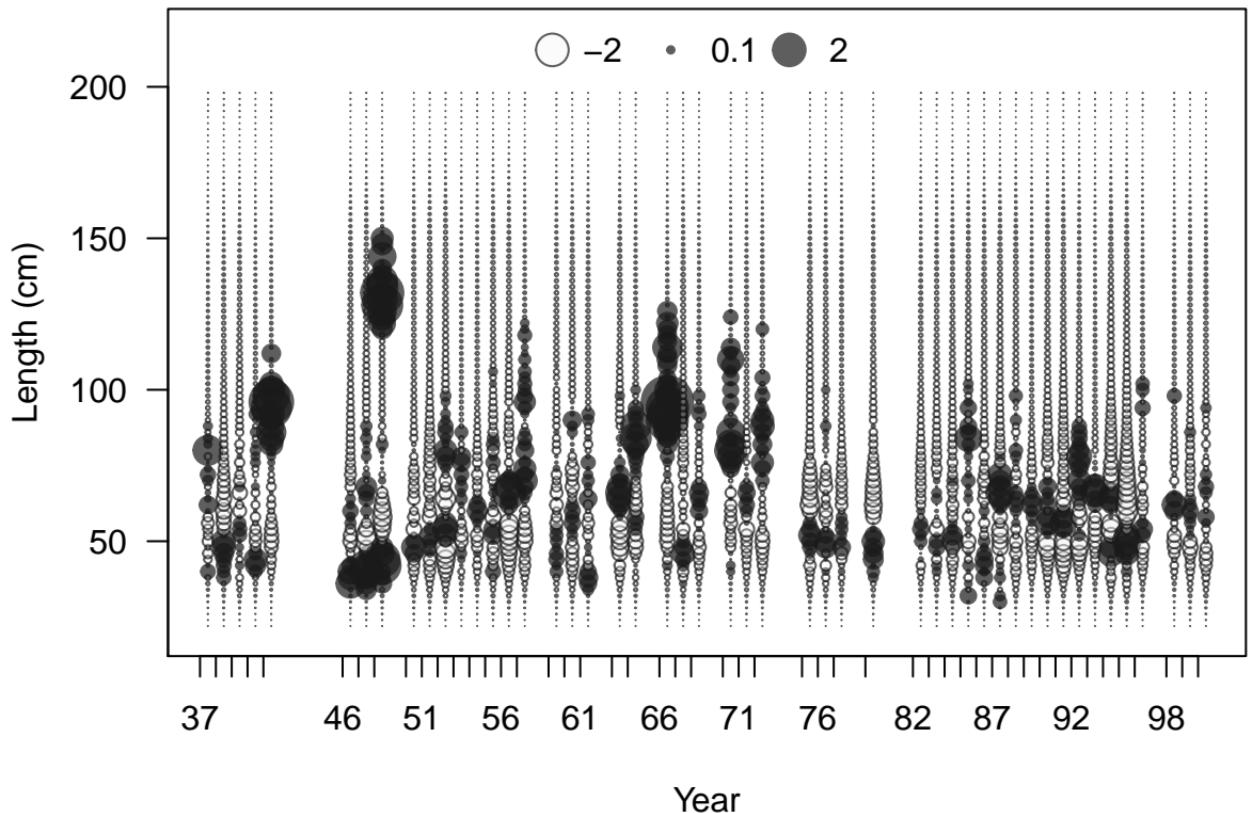


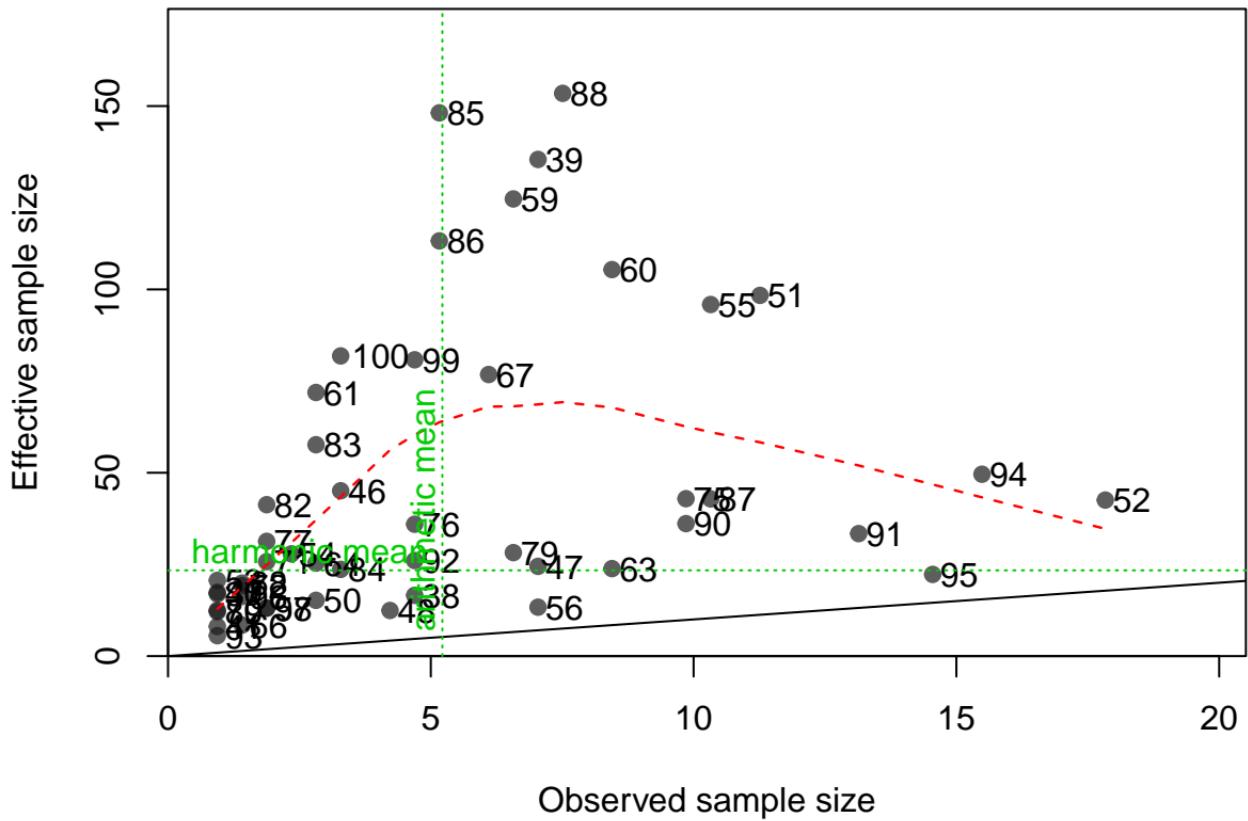
Proportion



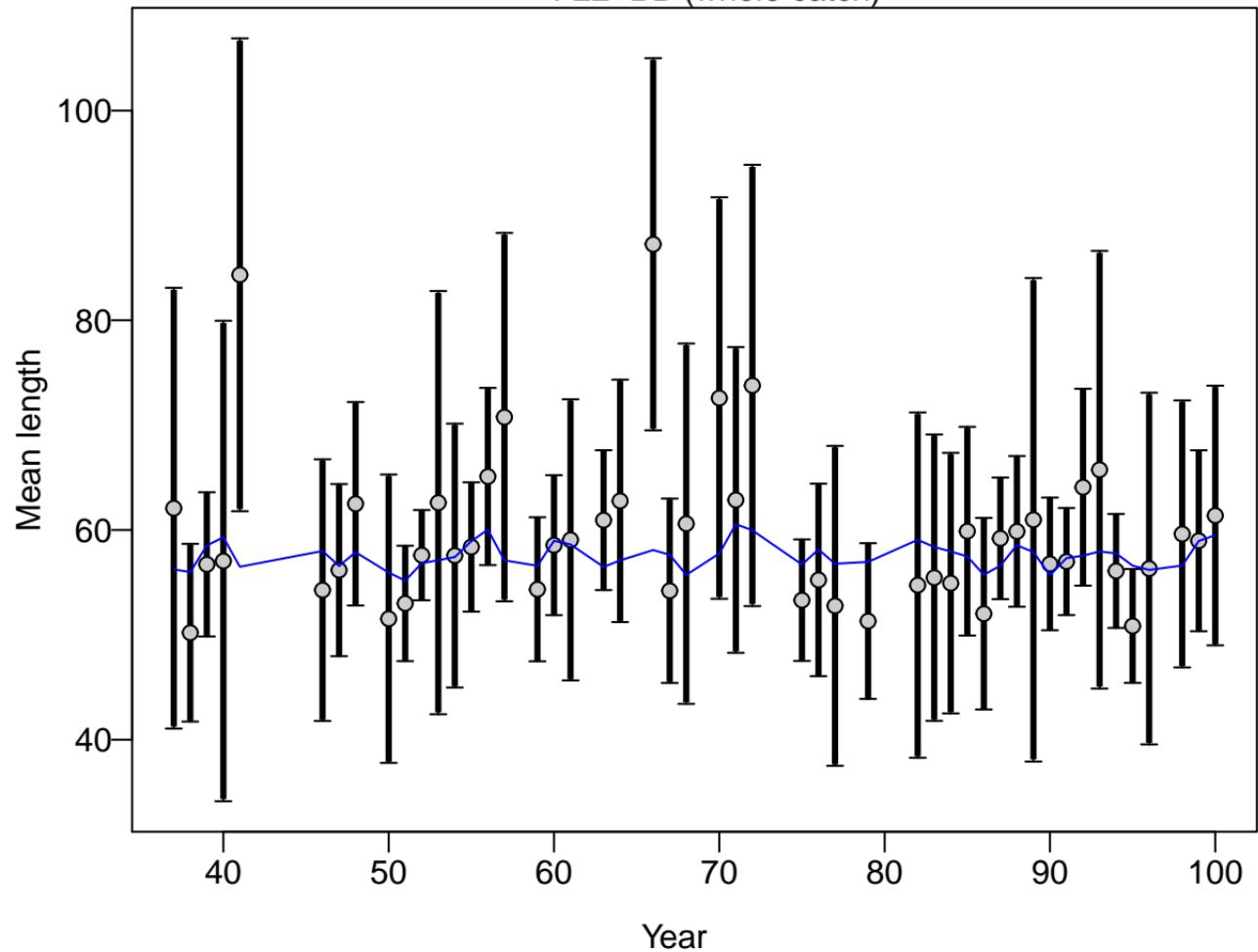
Proportion



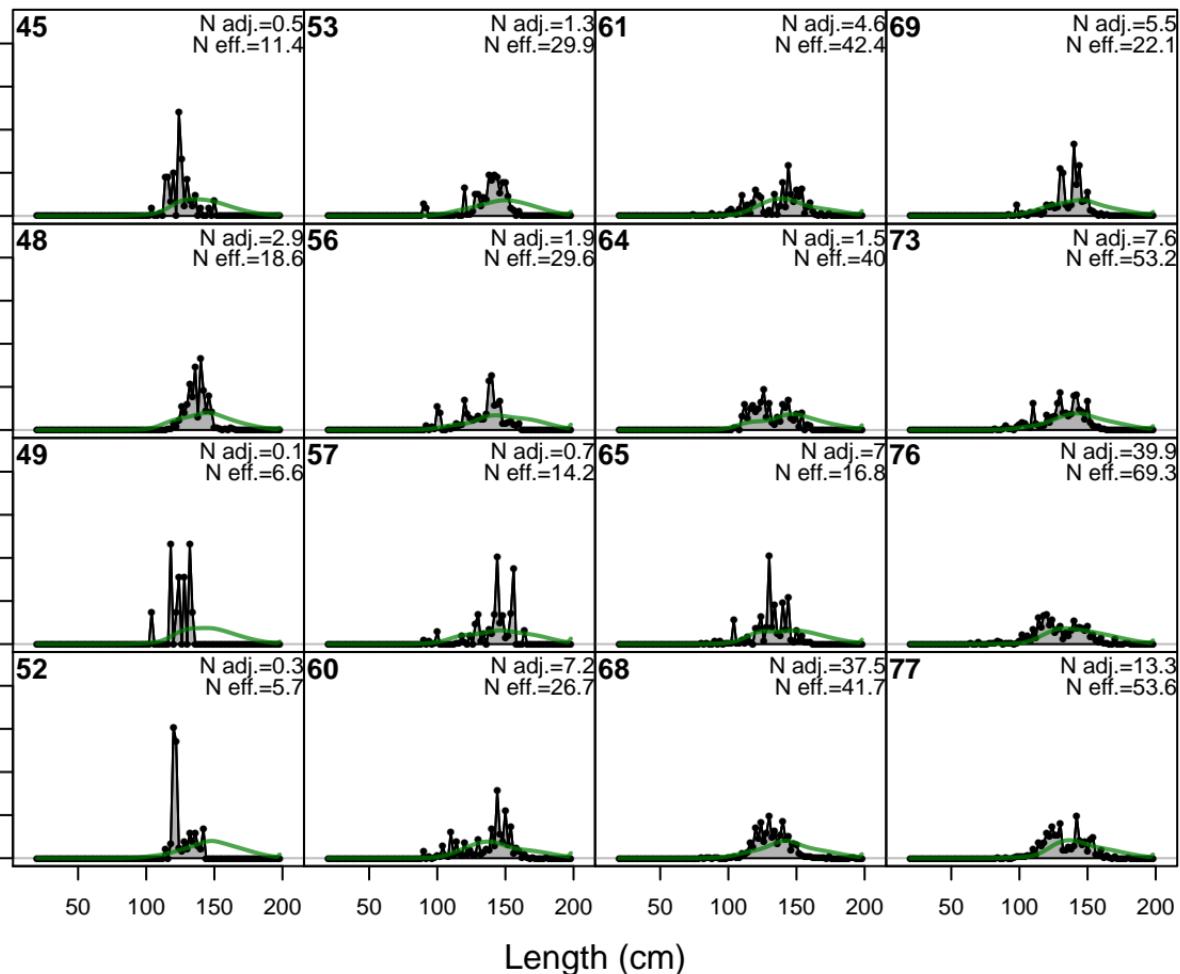




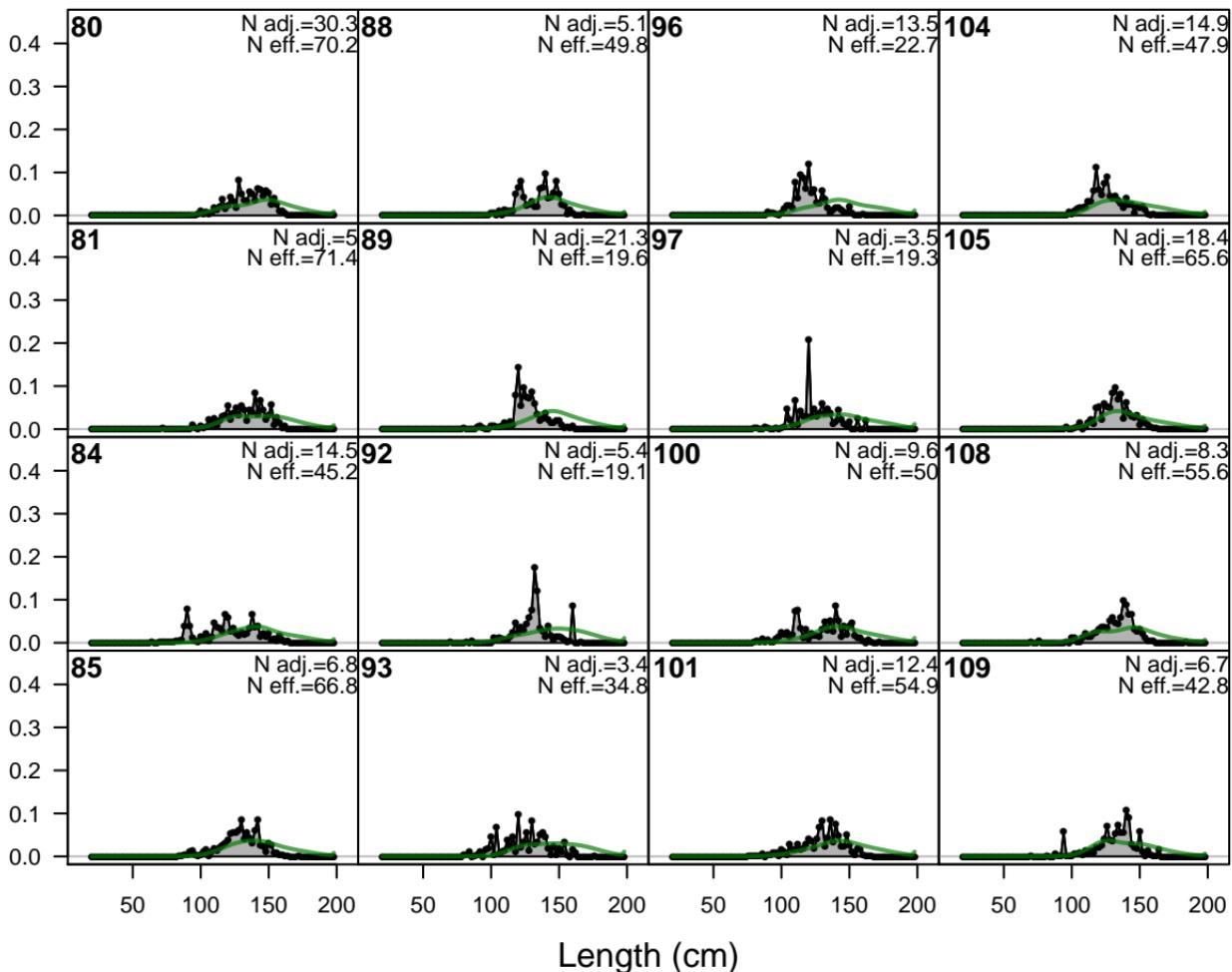
F22-BB (whole catch)



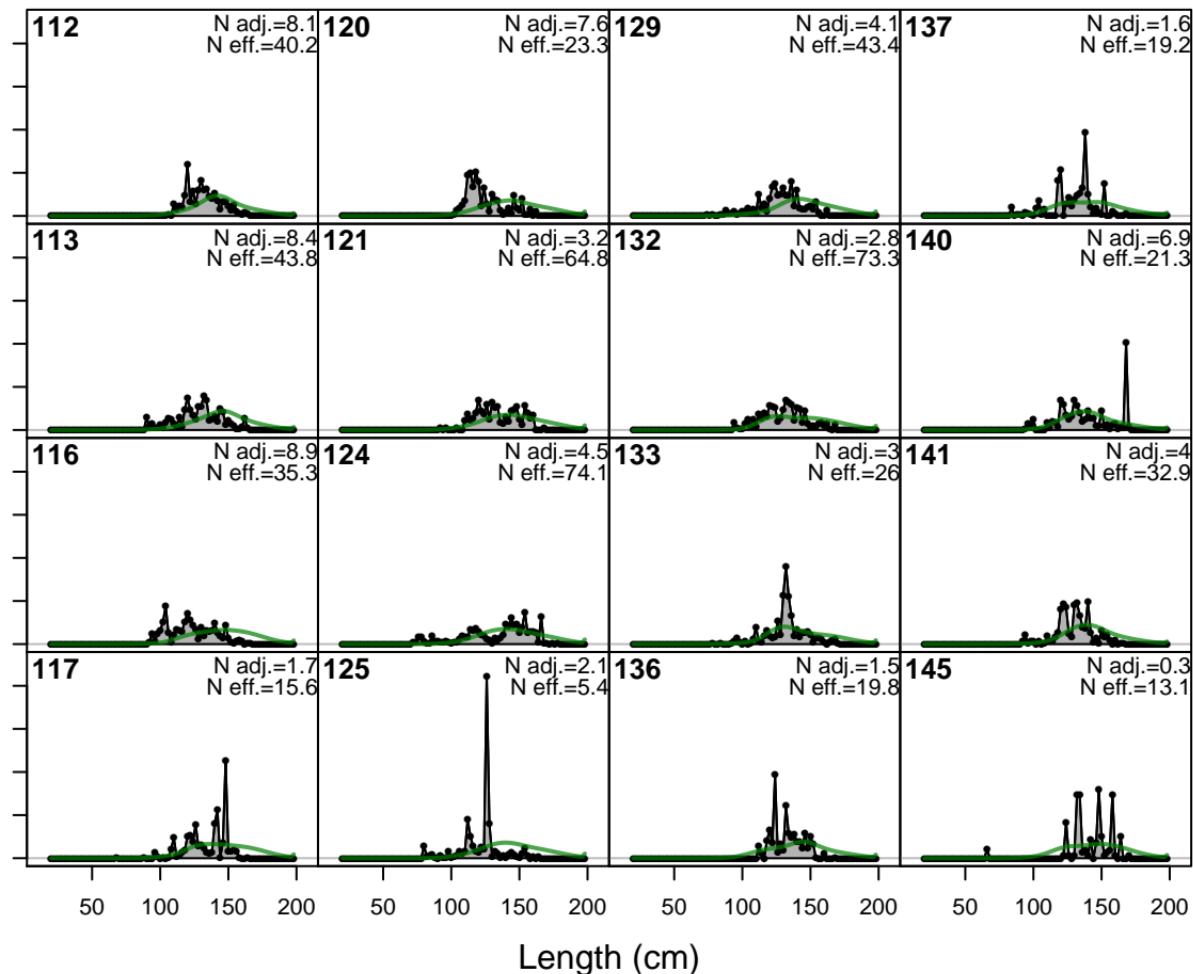
Proportion



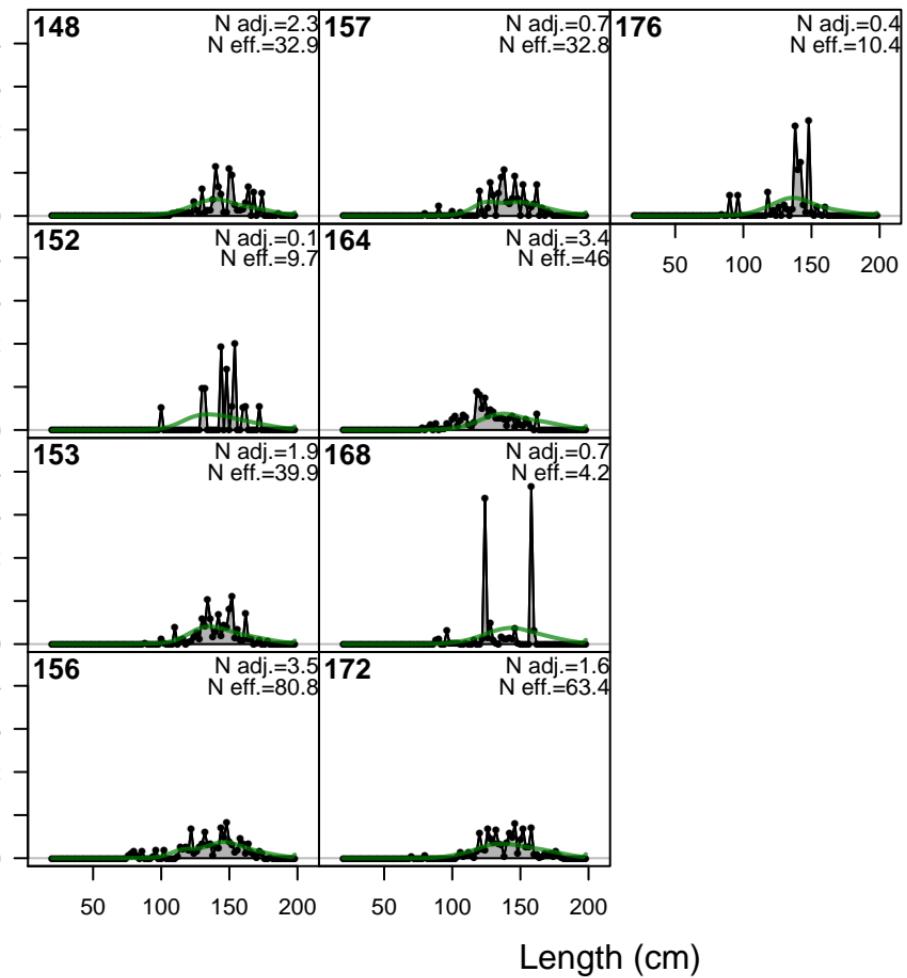
Proportion

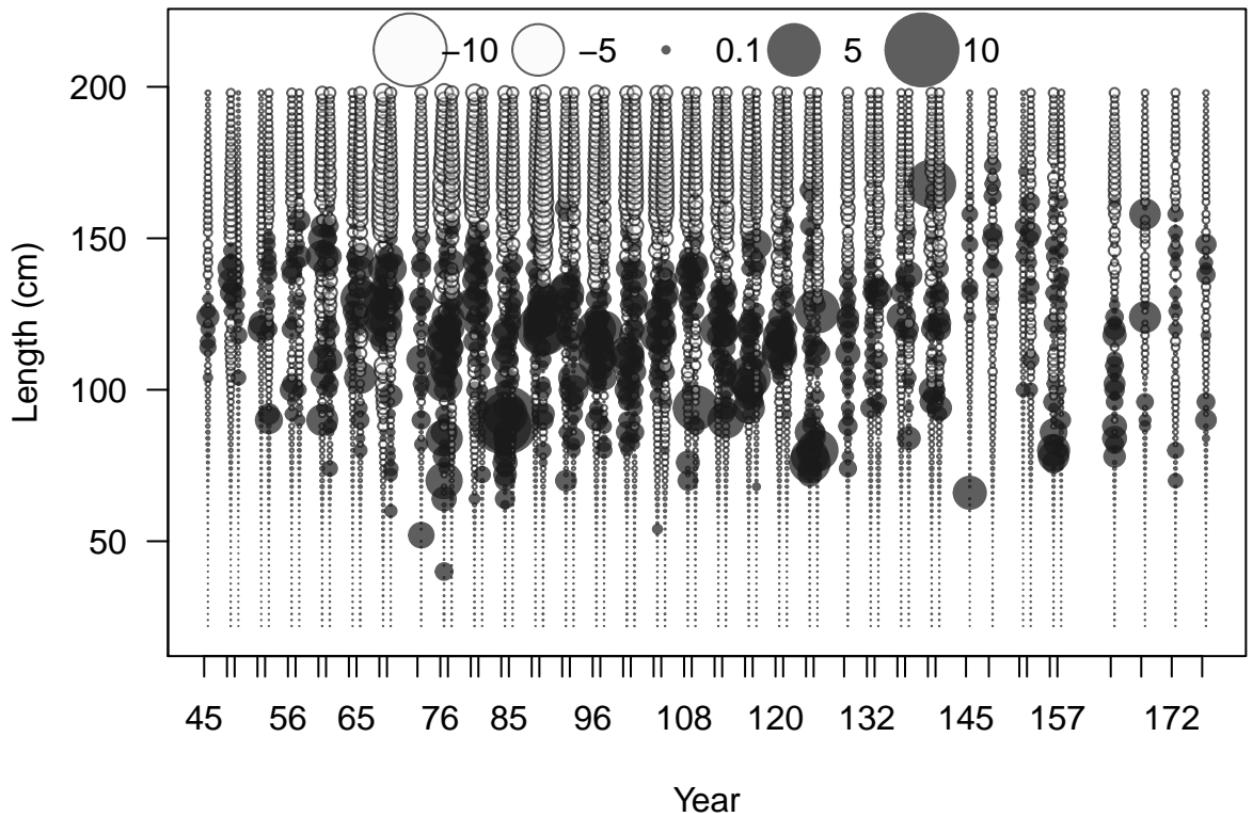


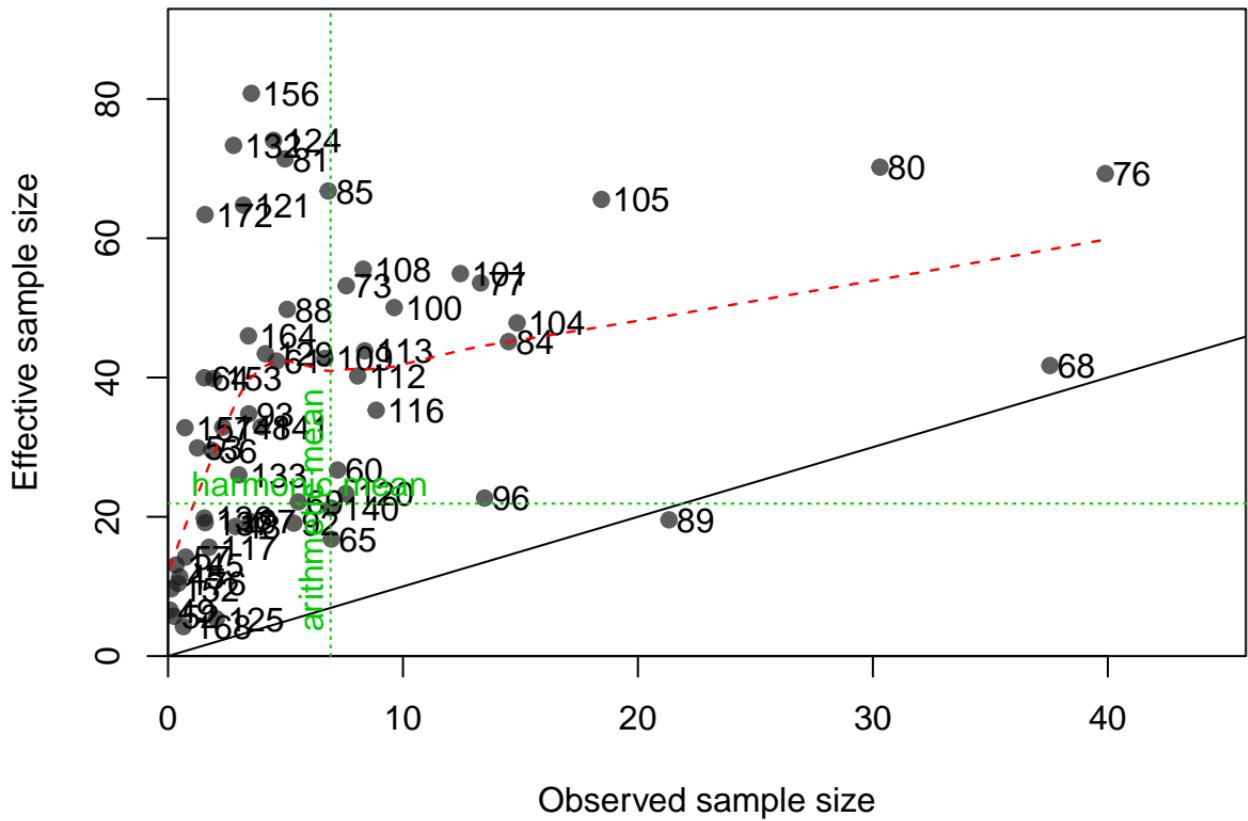
Proportion



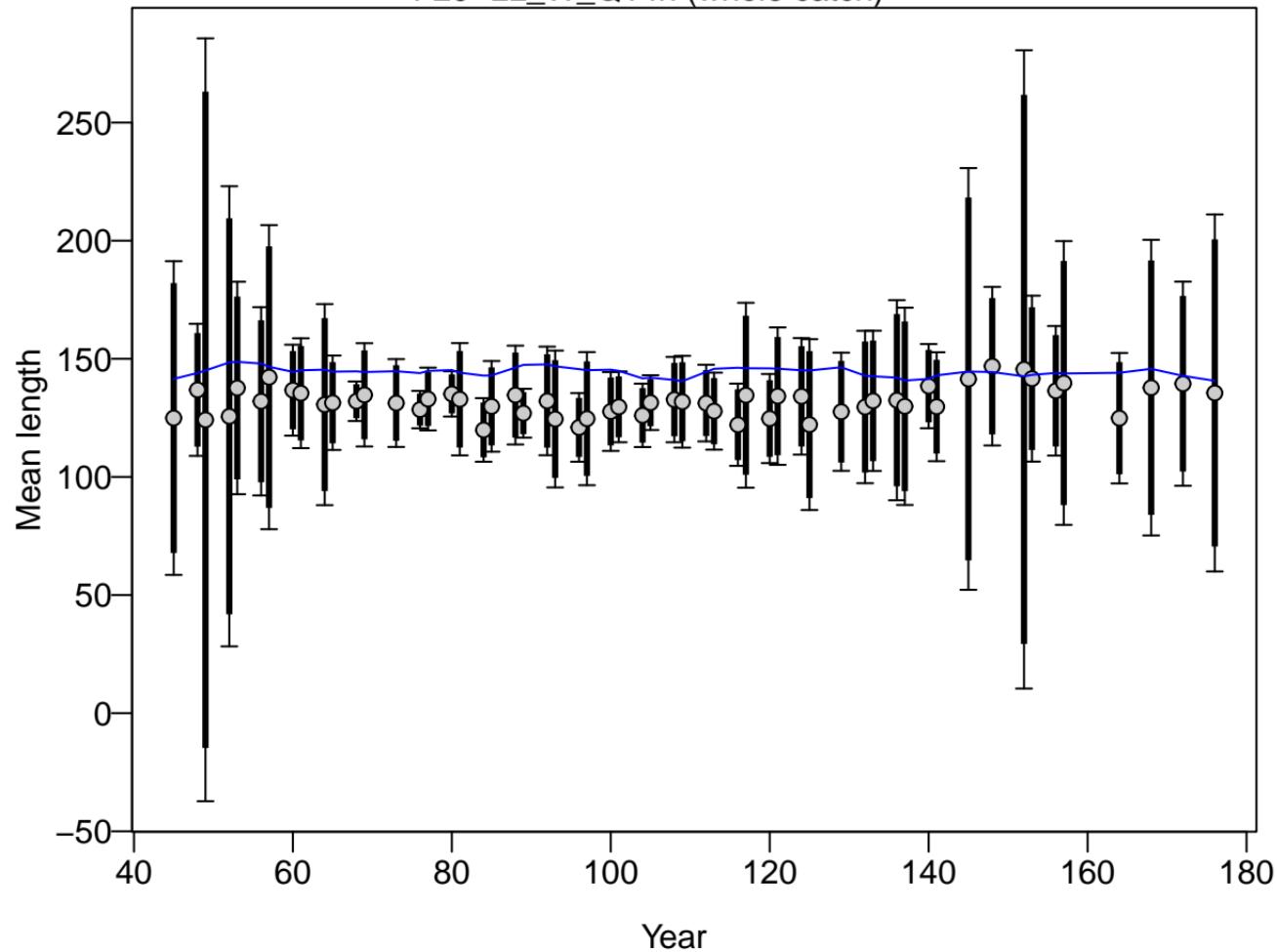
Proportion



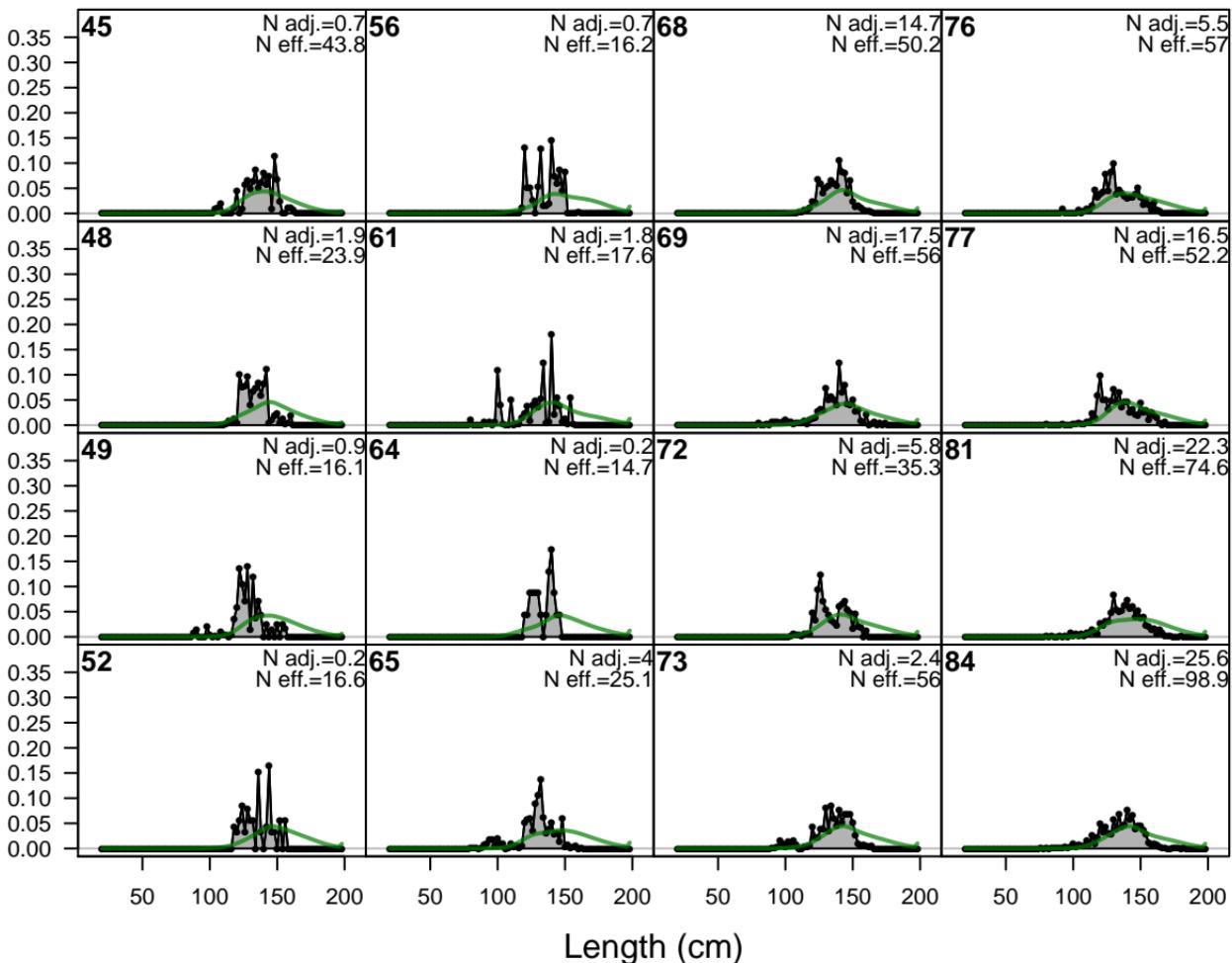




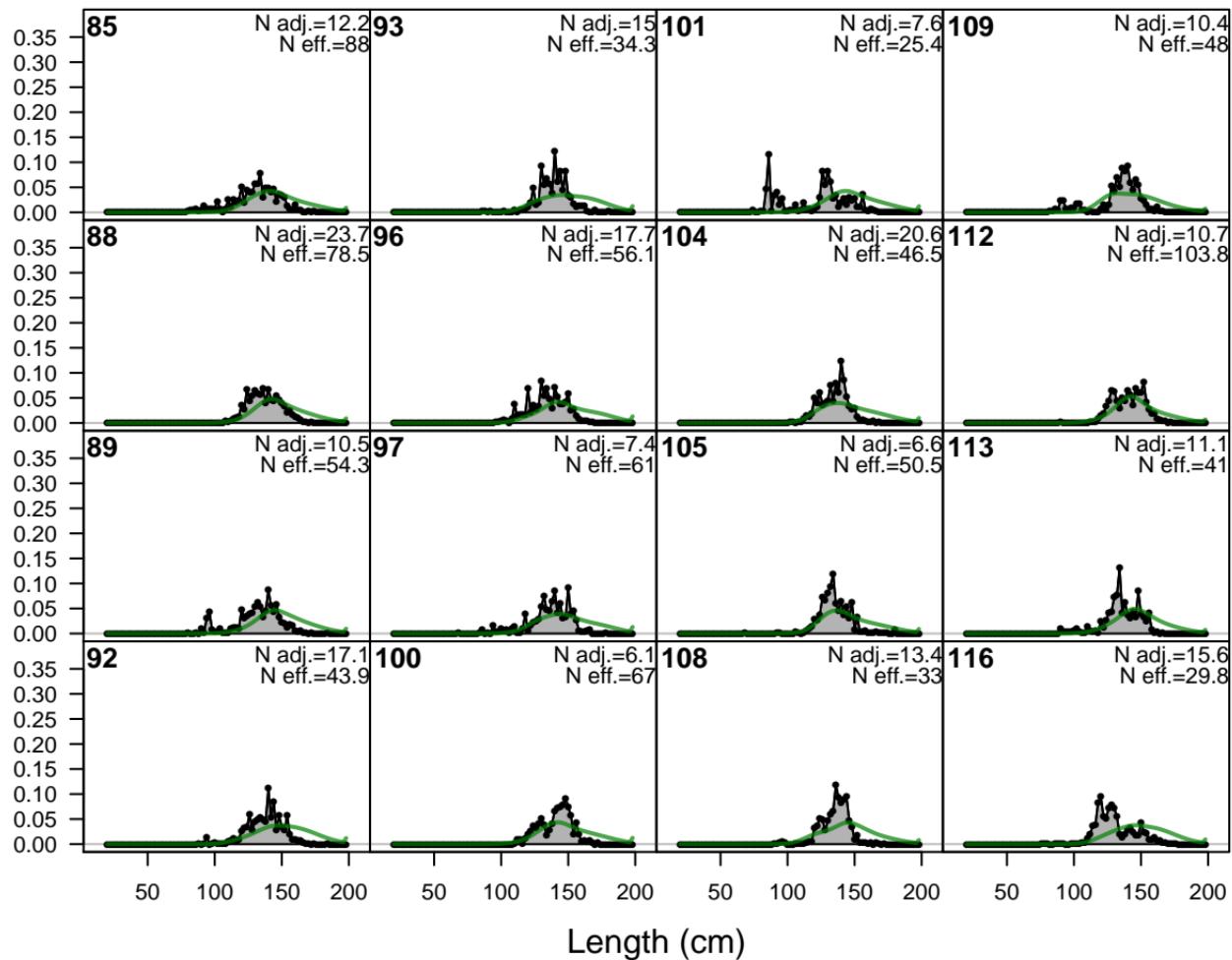
F29-LL_W_Q14n (whole catch)



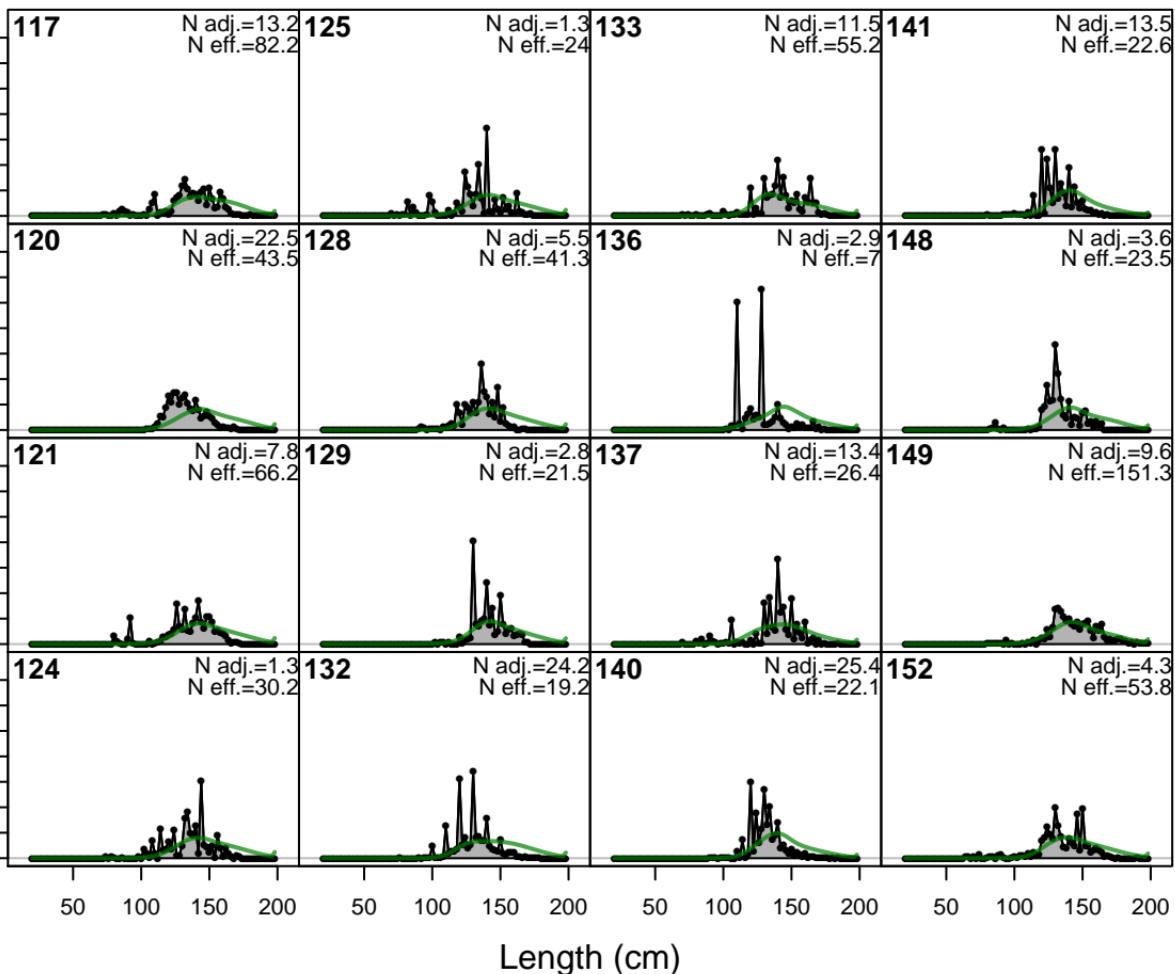
Proportion



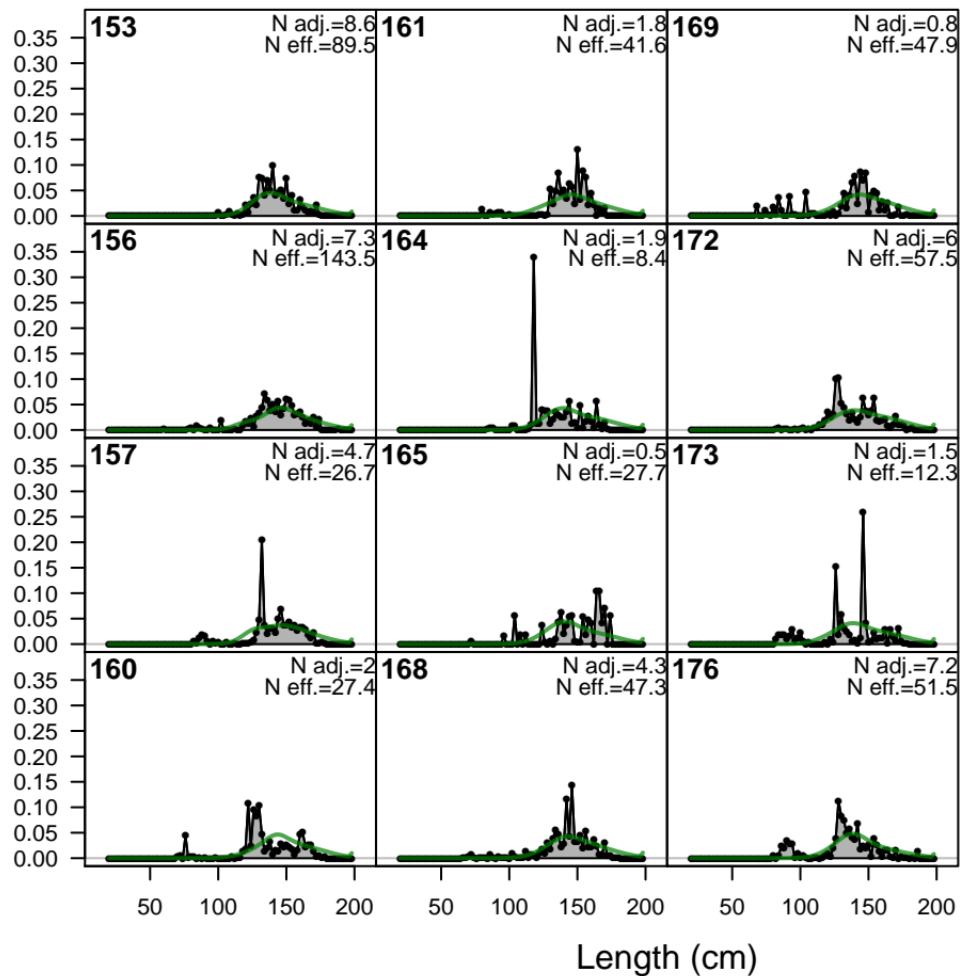
Proportion

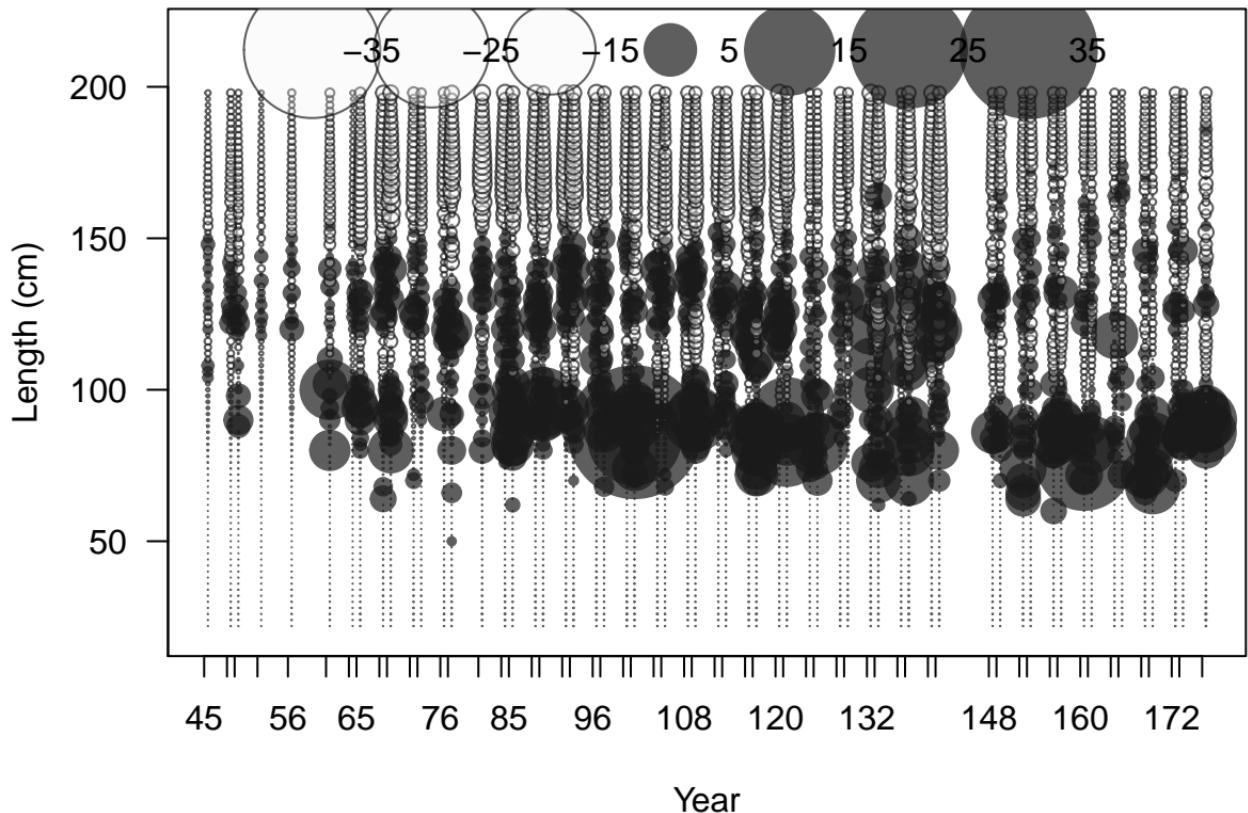


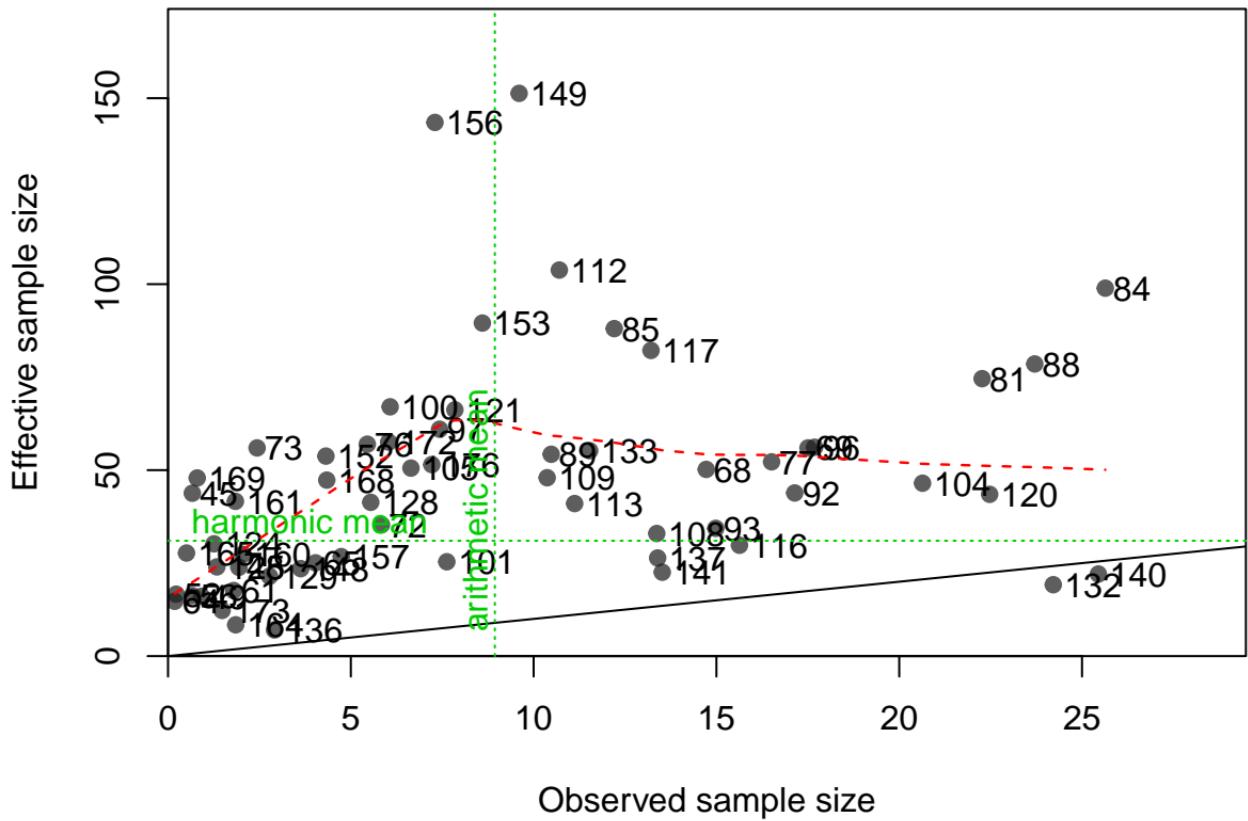
Proportion



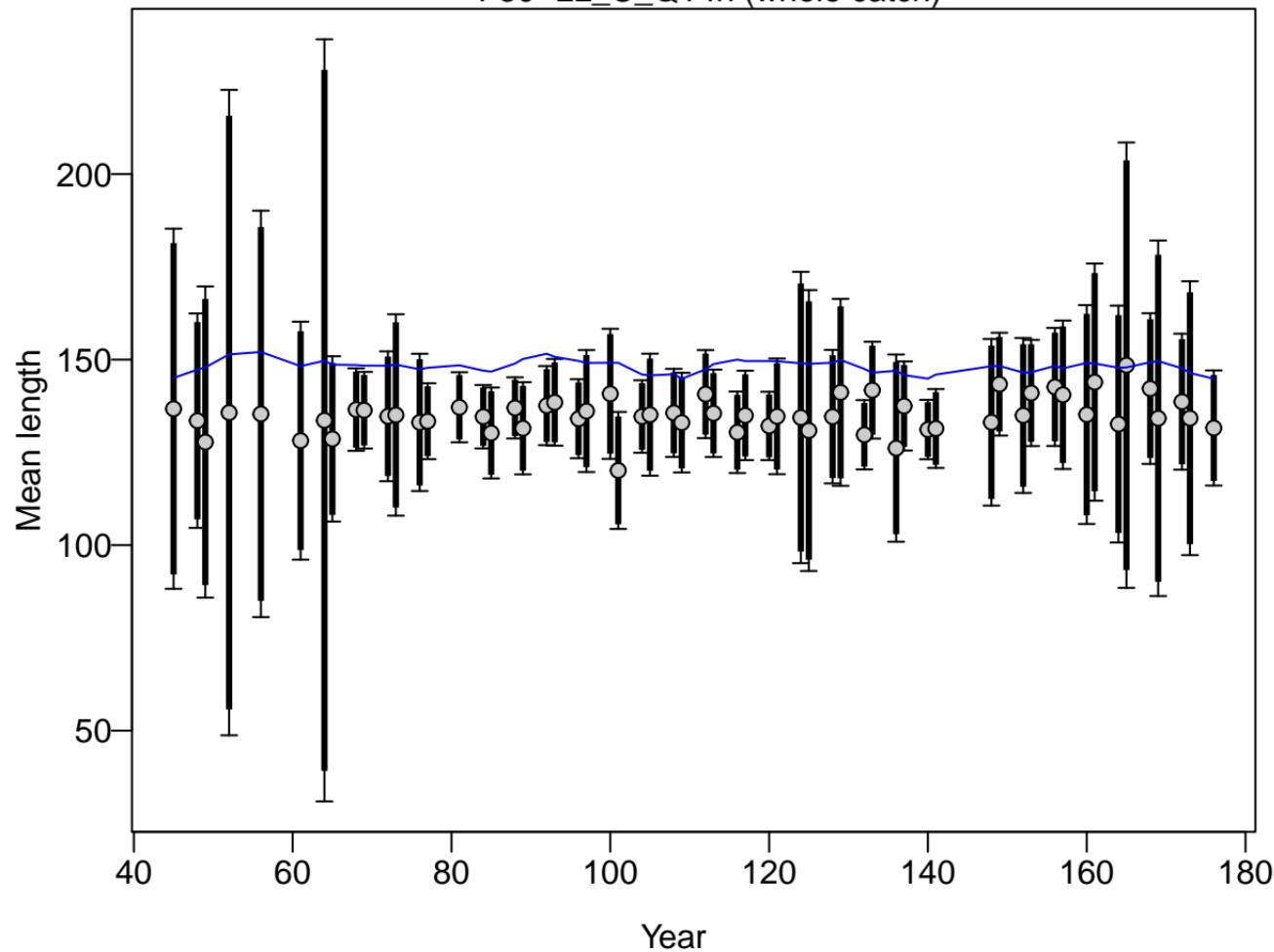
Proportion



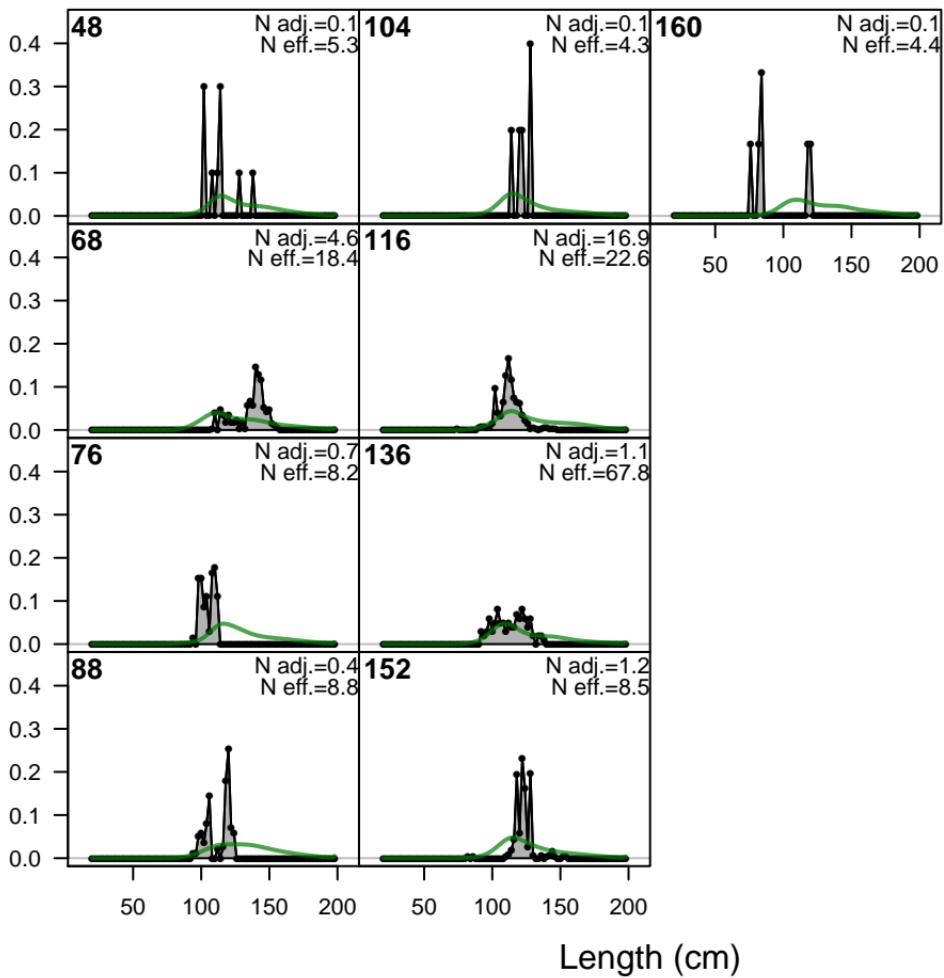


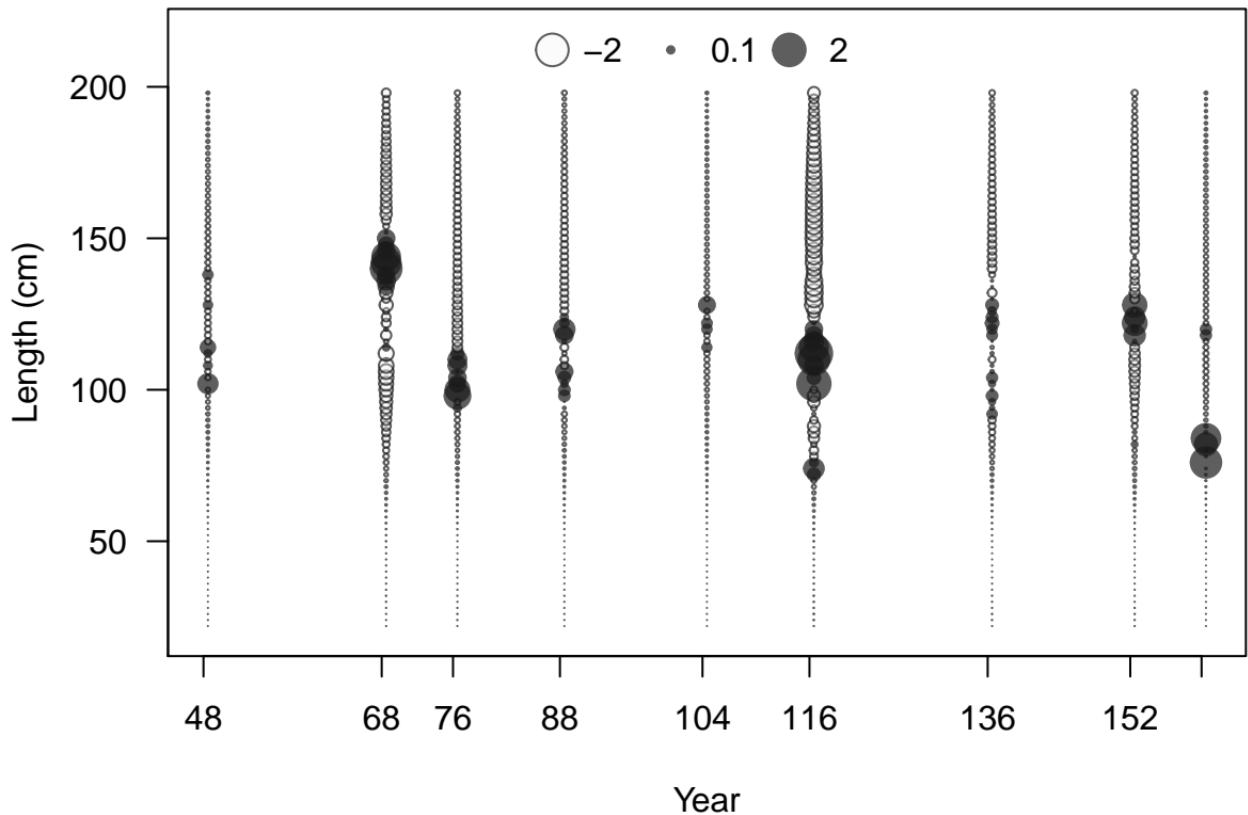


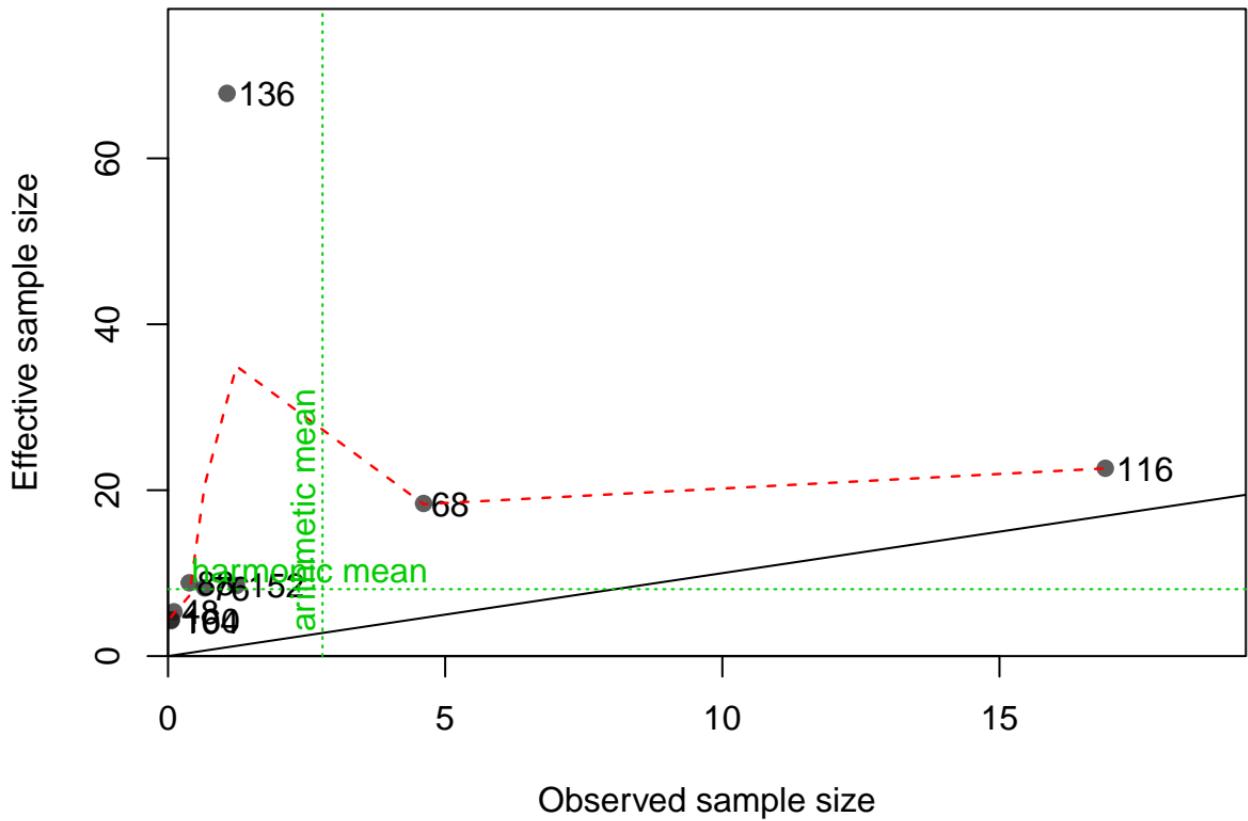
F30-LL_C_Q14n (whole catch)



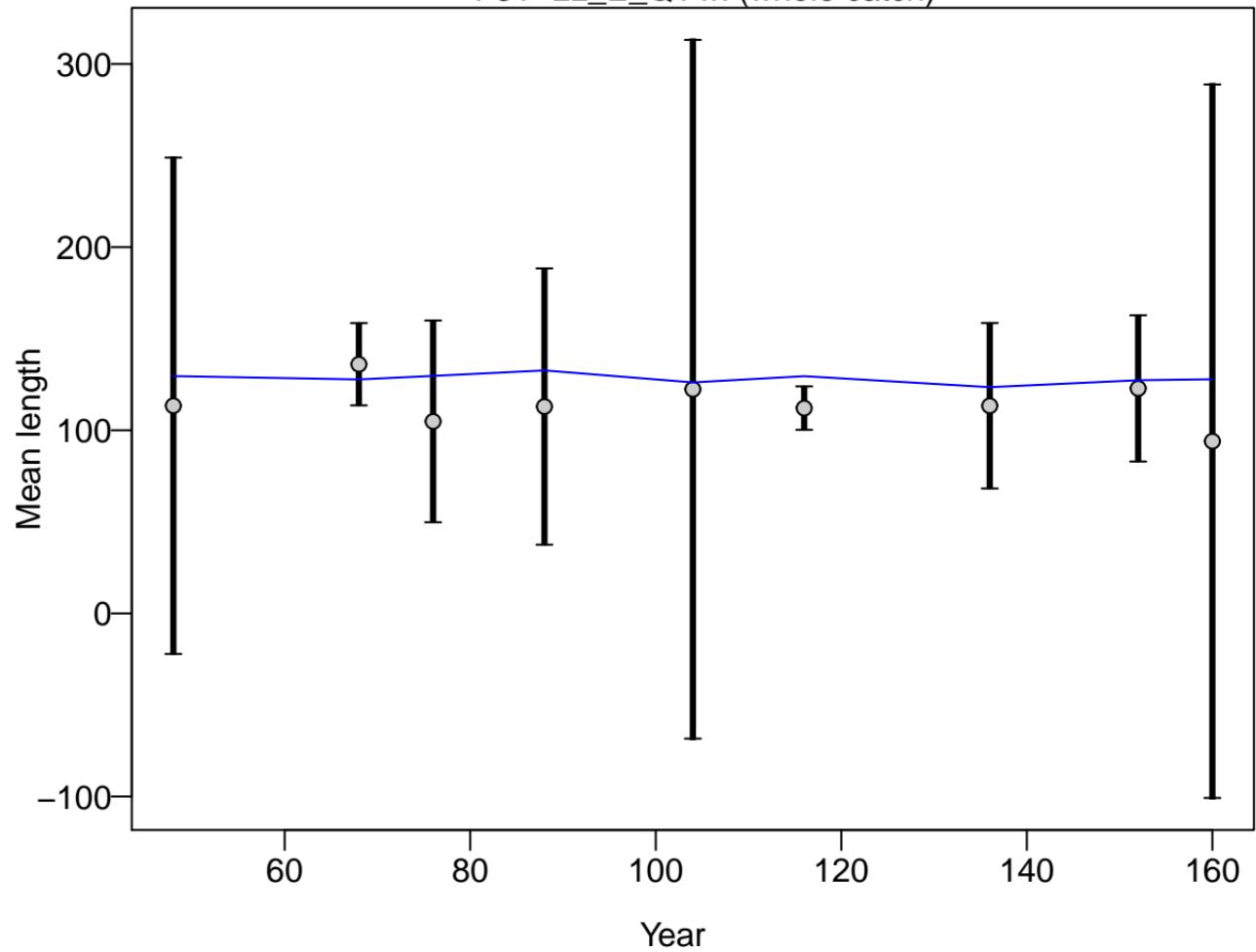
Proportion



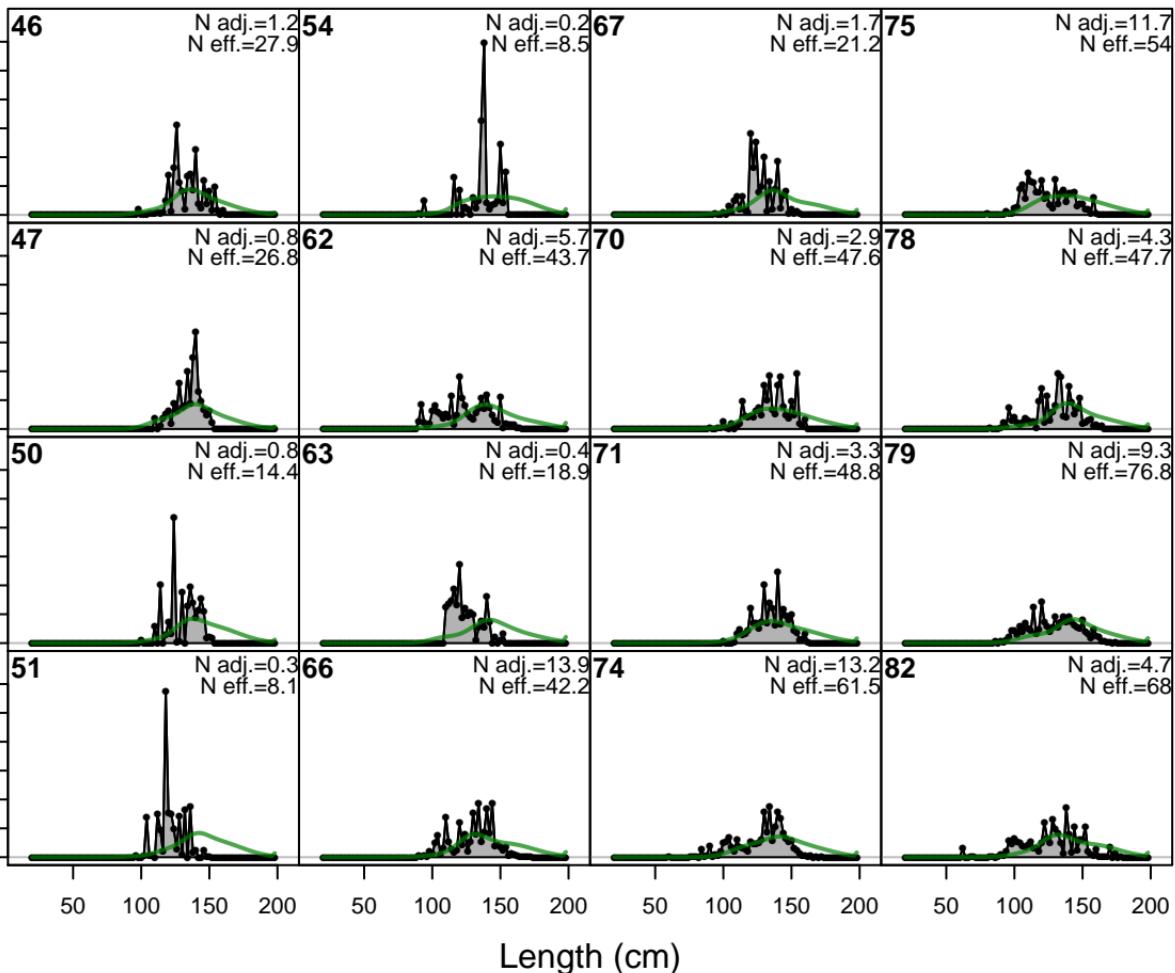




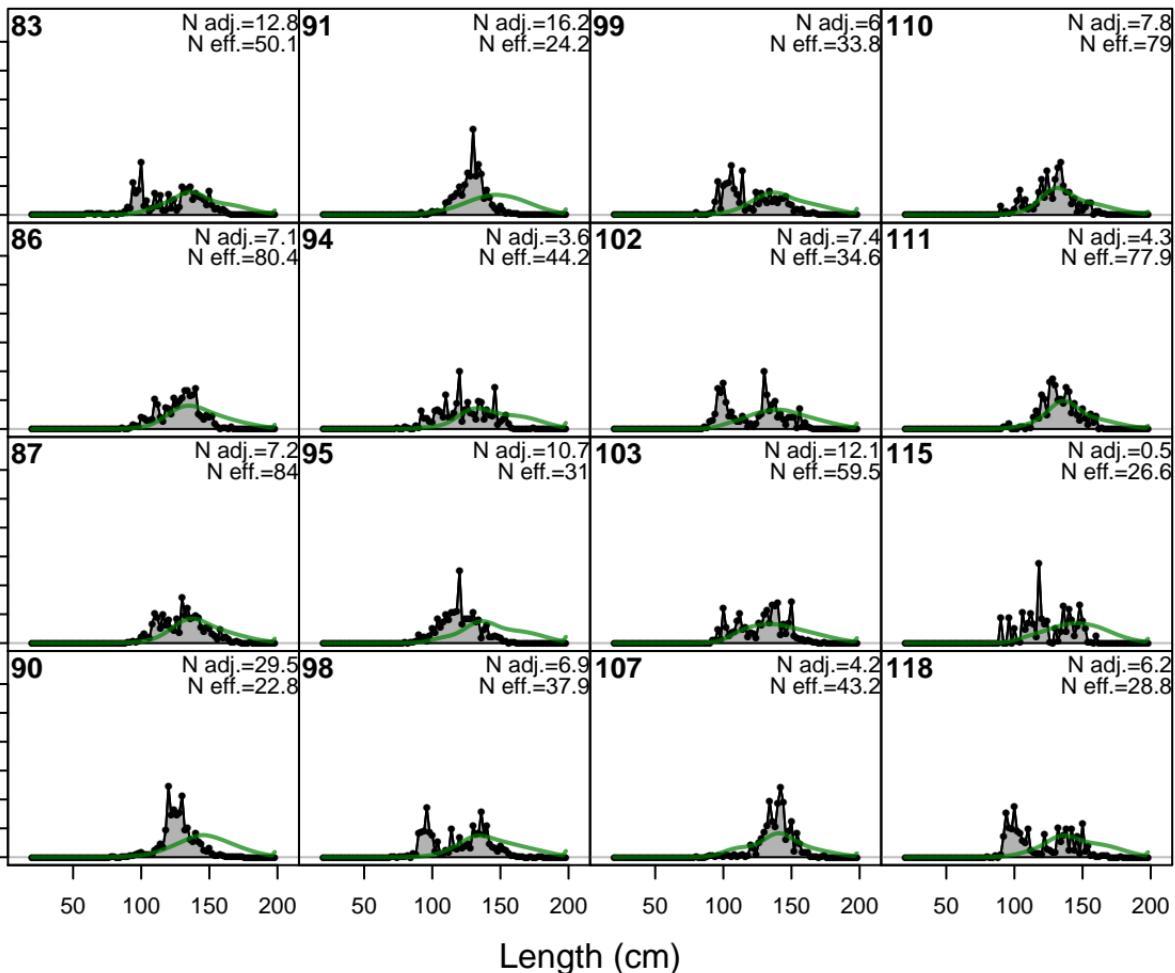
F31-LL_E_Q14n (whole catch)



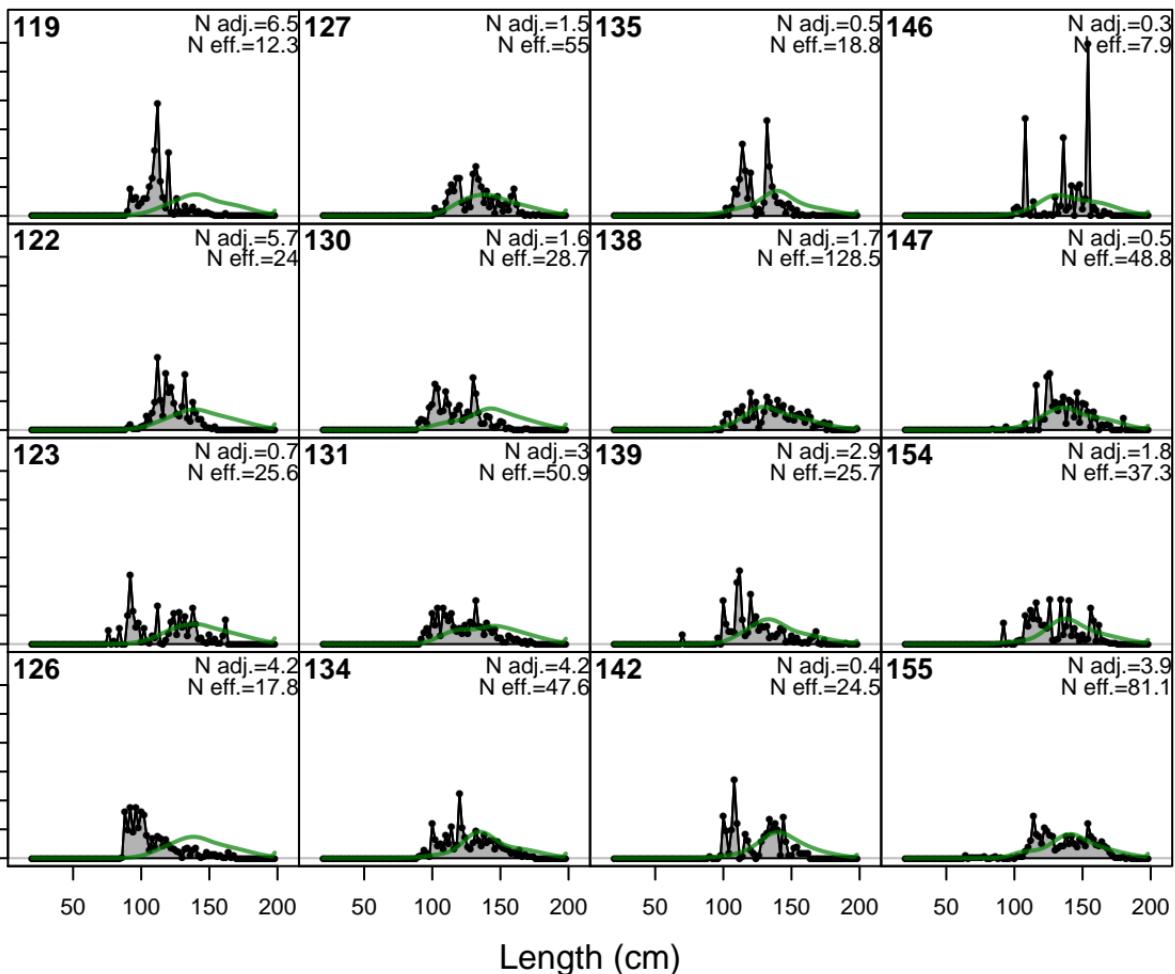
Proportion



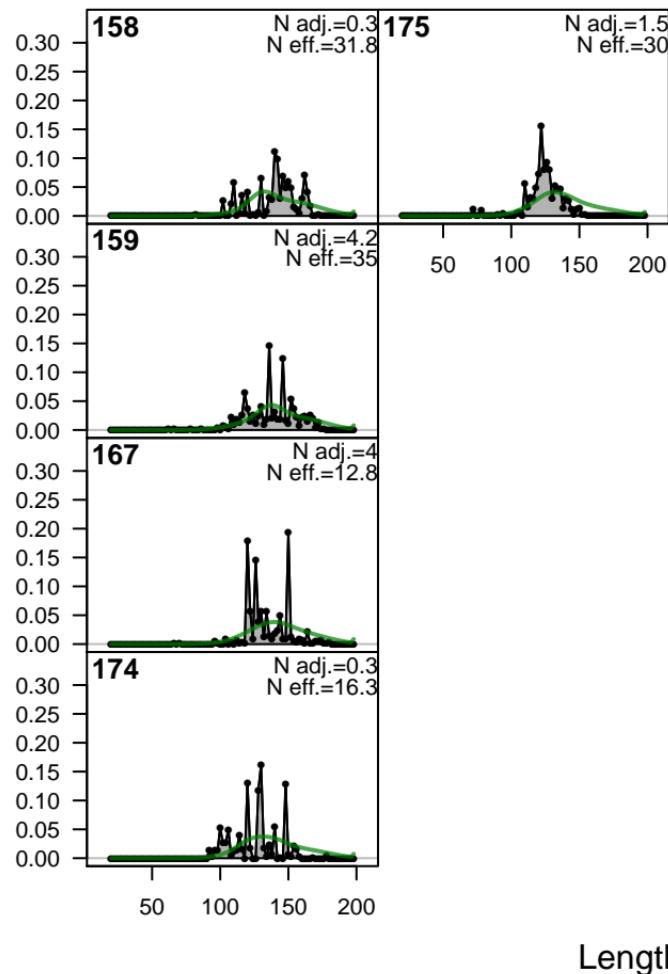
Proportion

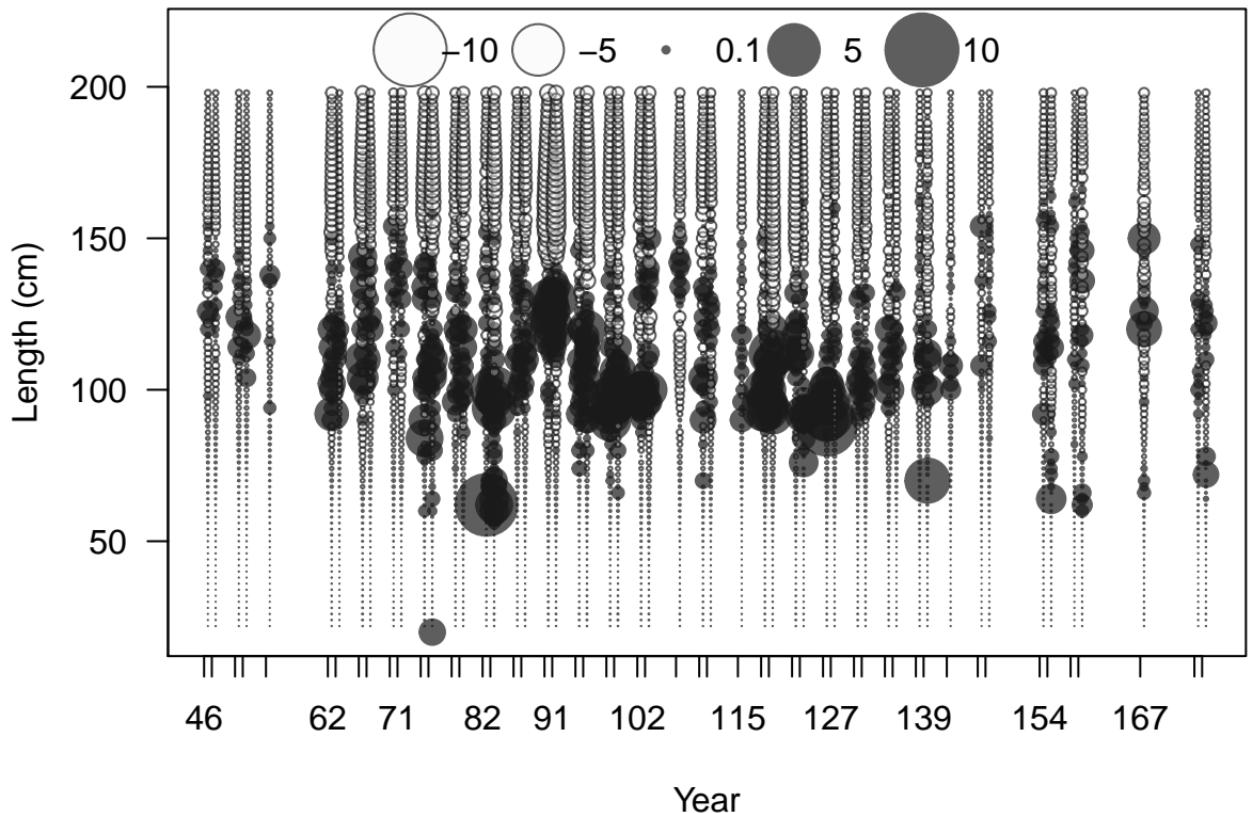


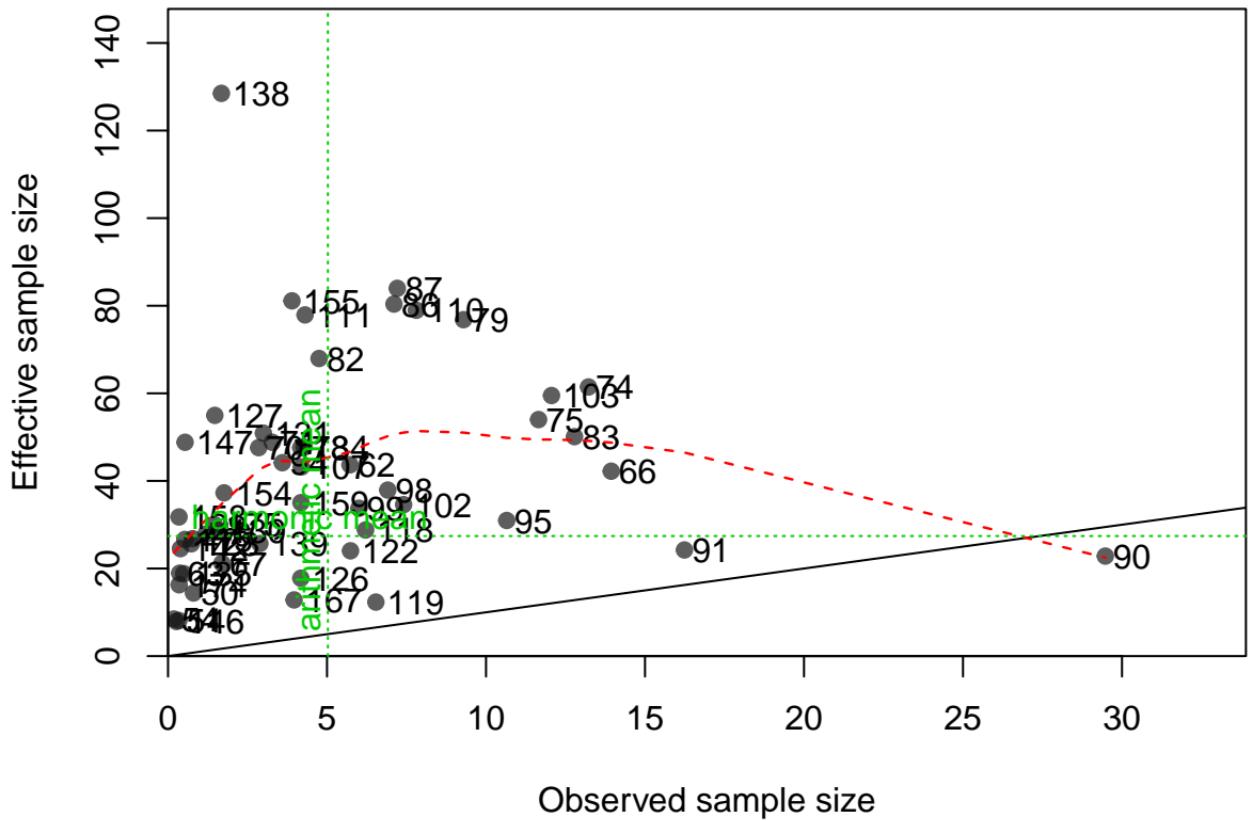
Proportion



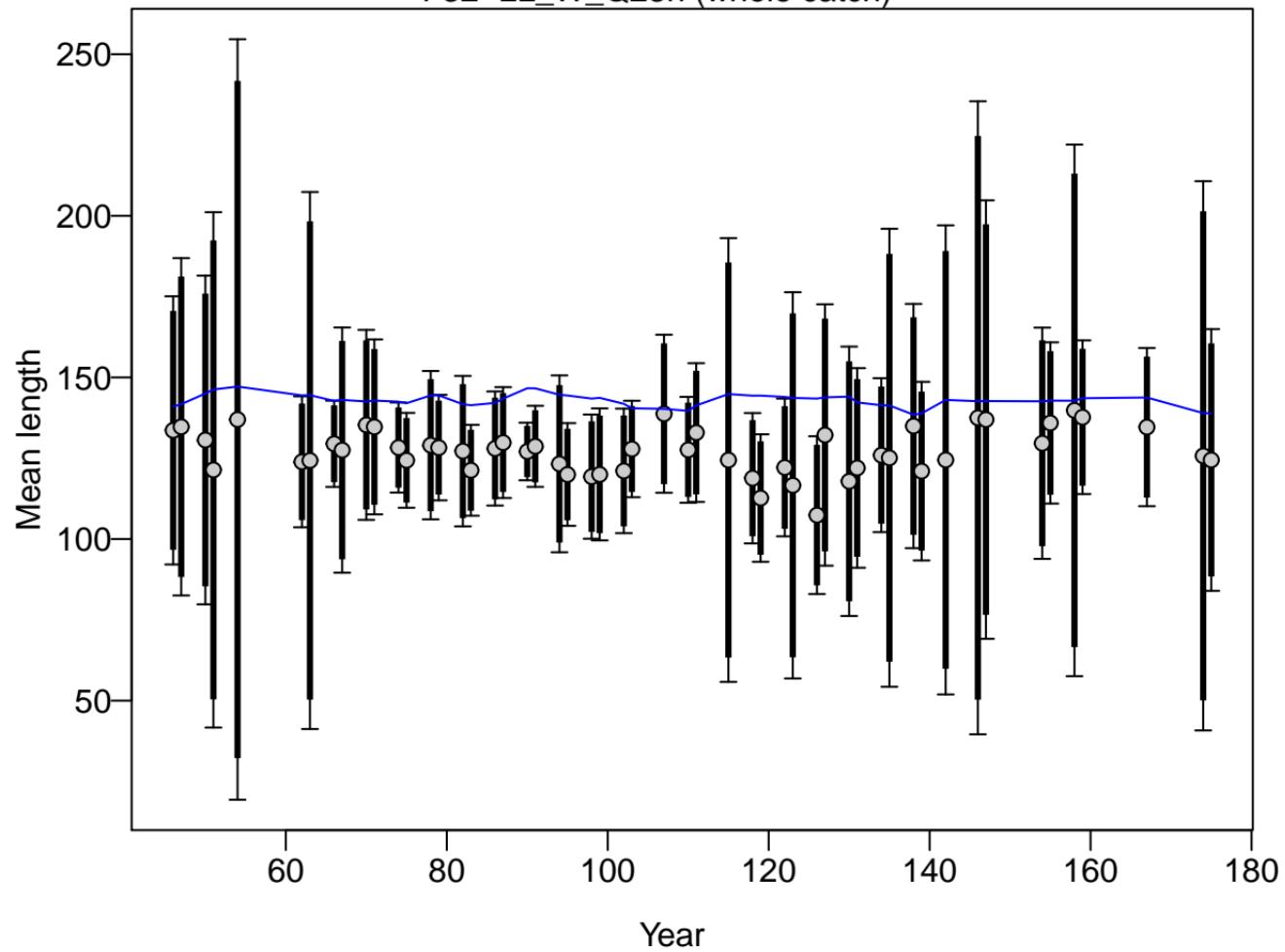
Proportion



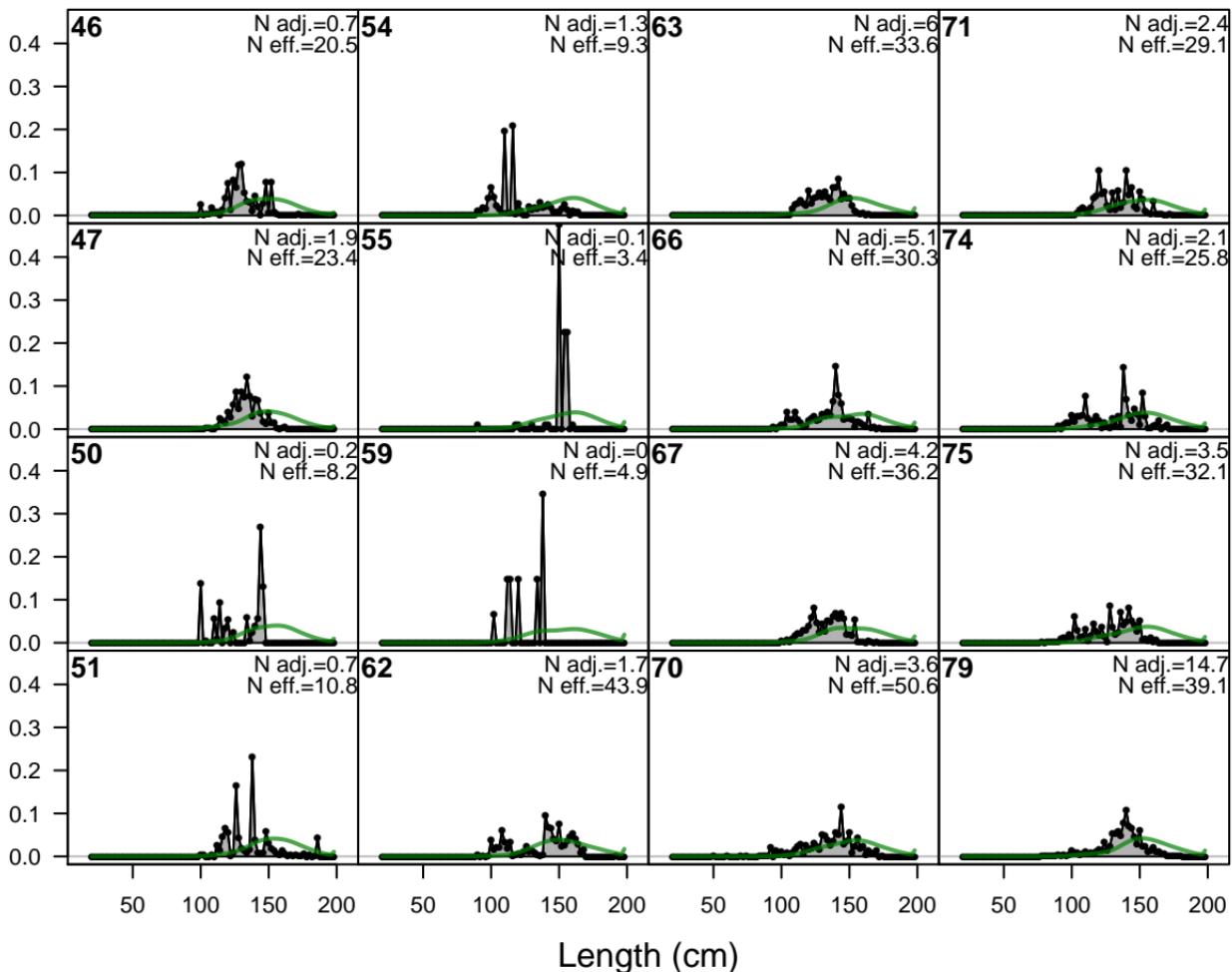




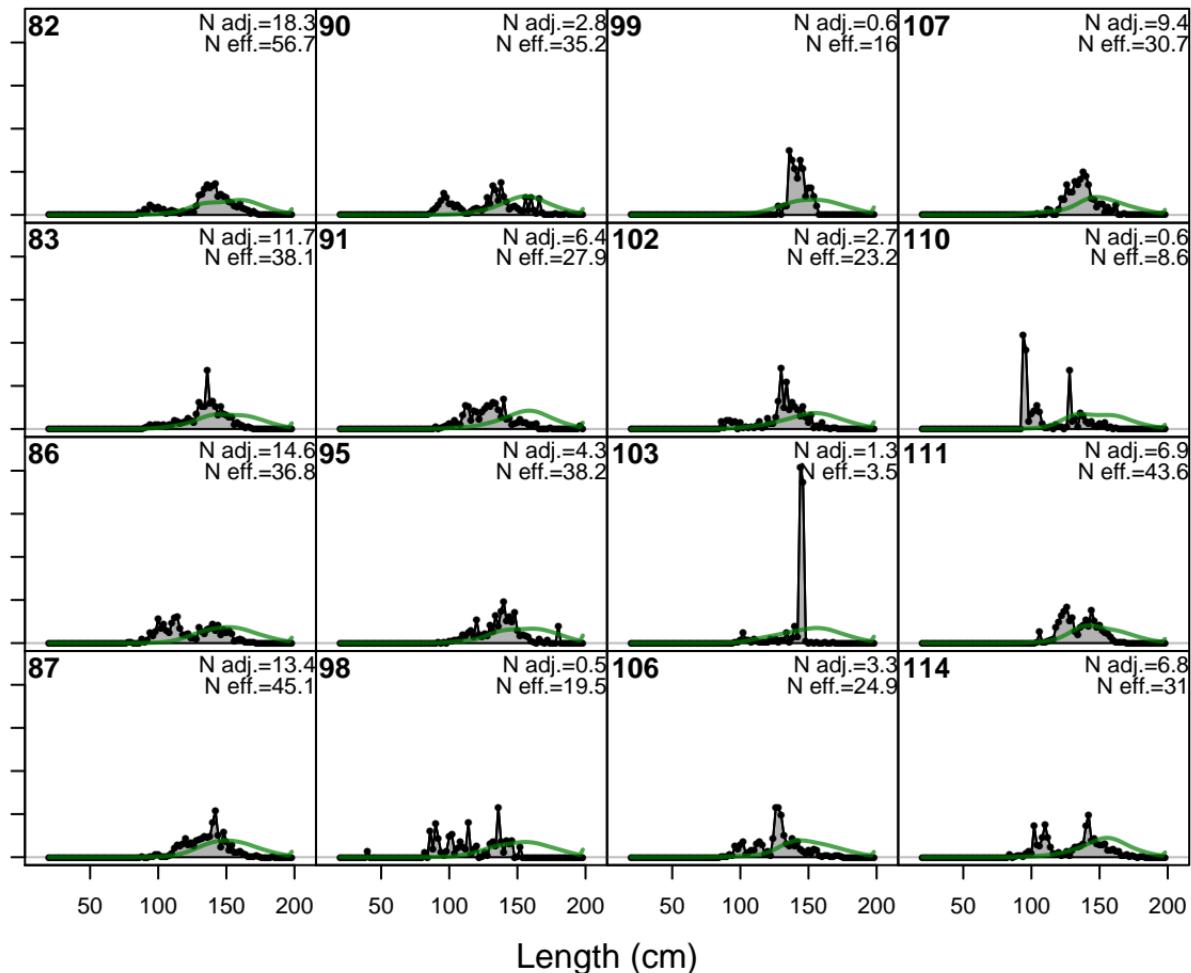
F32-LL_W_Q23n (whole catch)



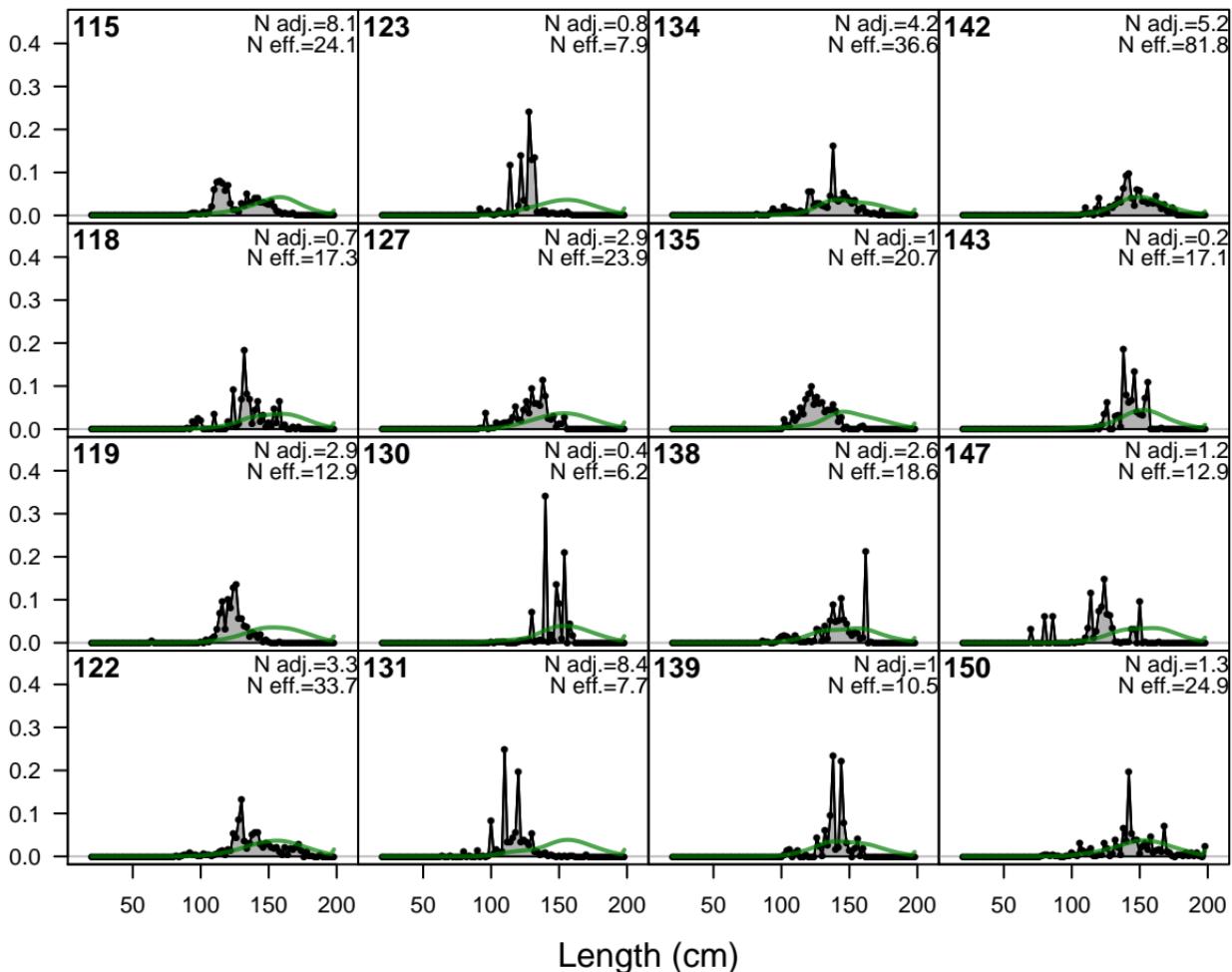
Proportion



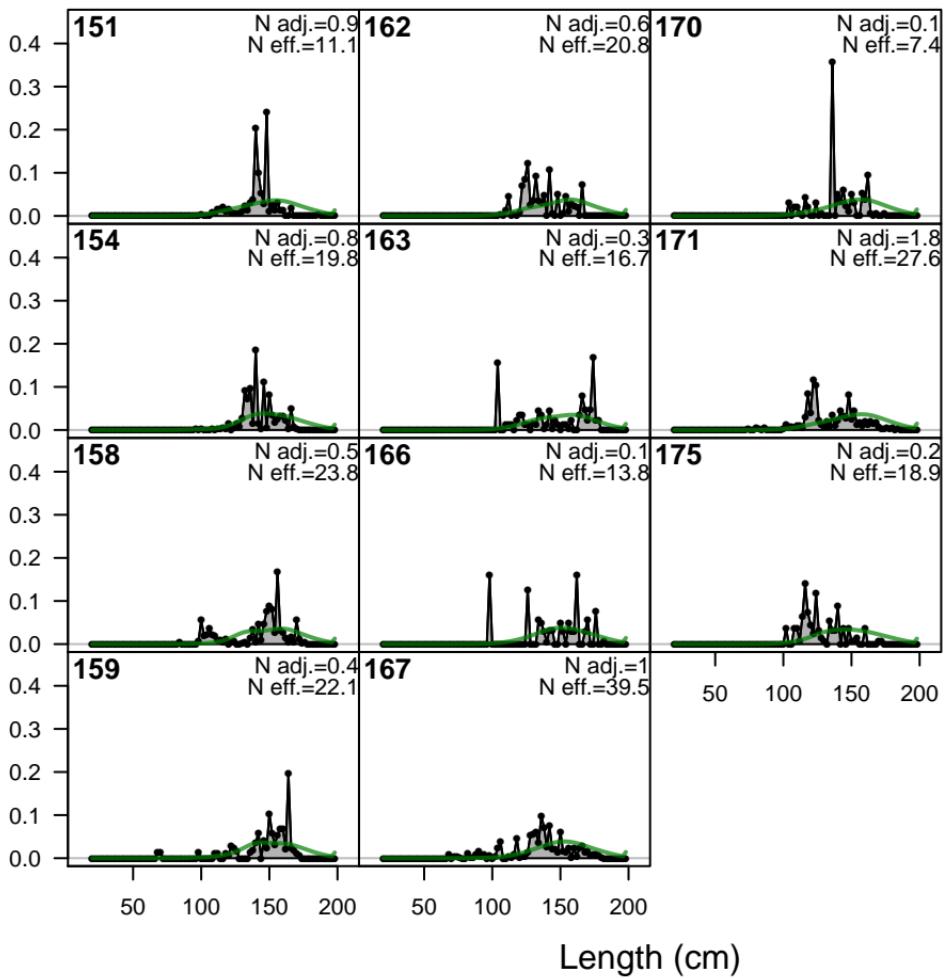
Proportion

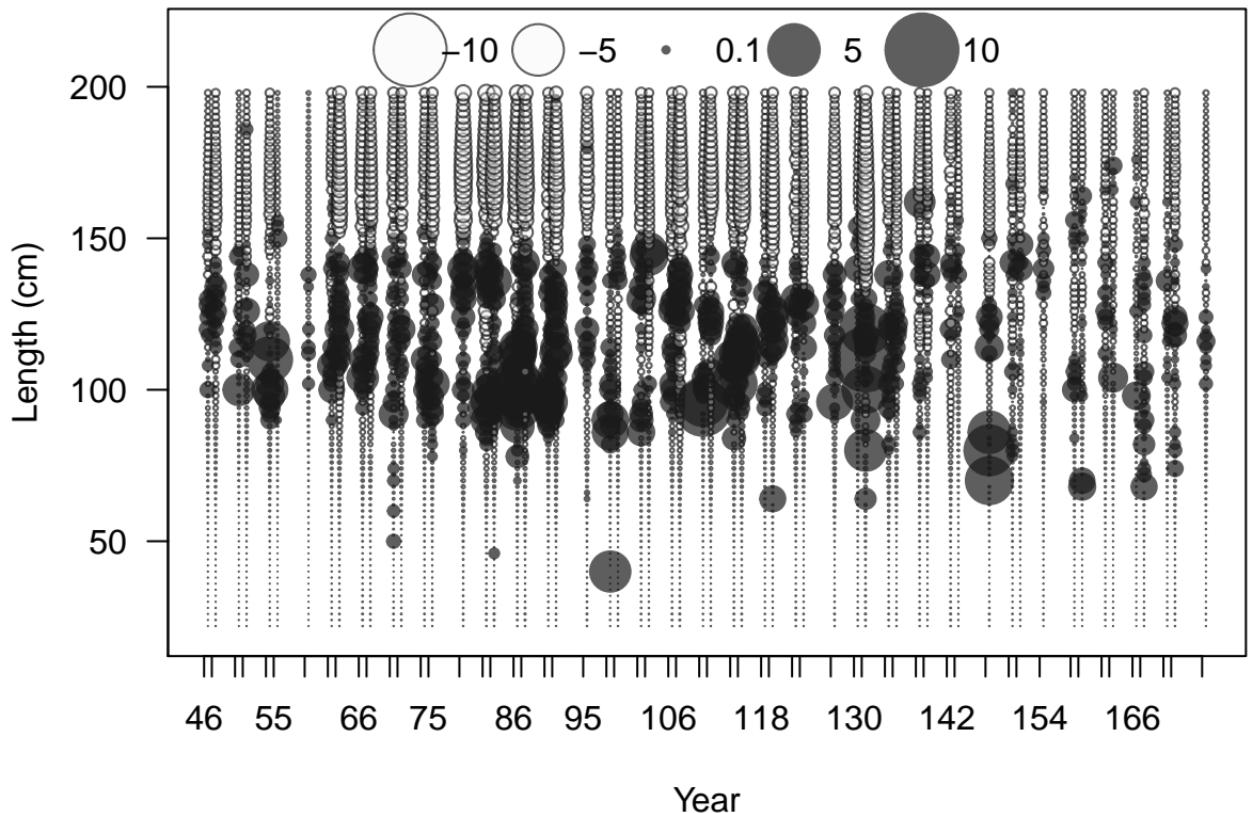


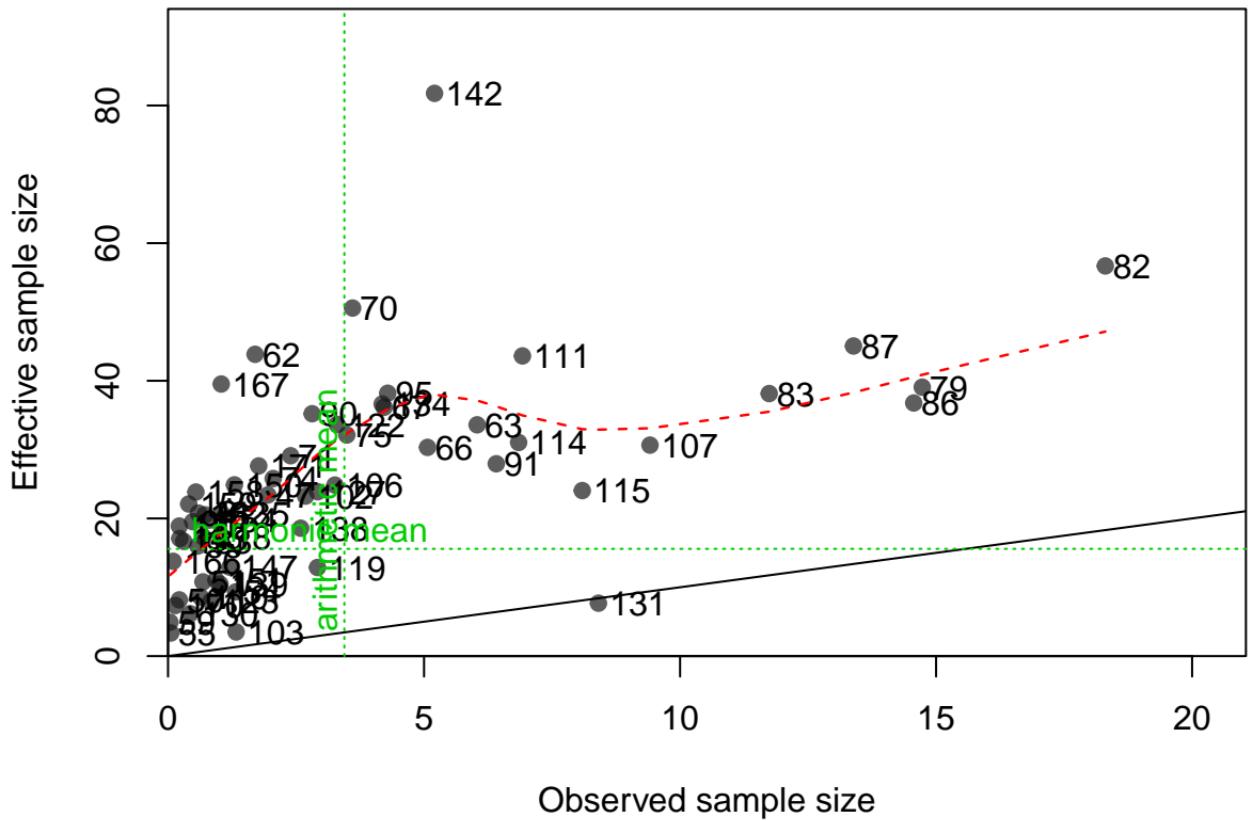
Proportion



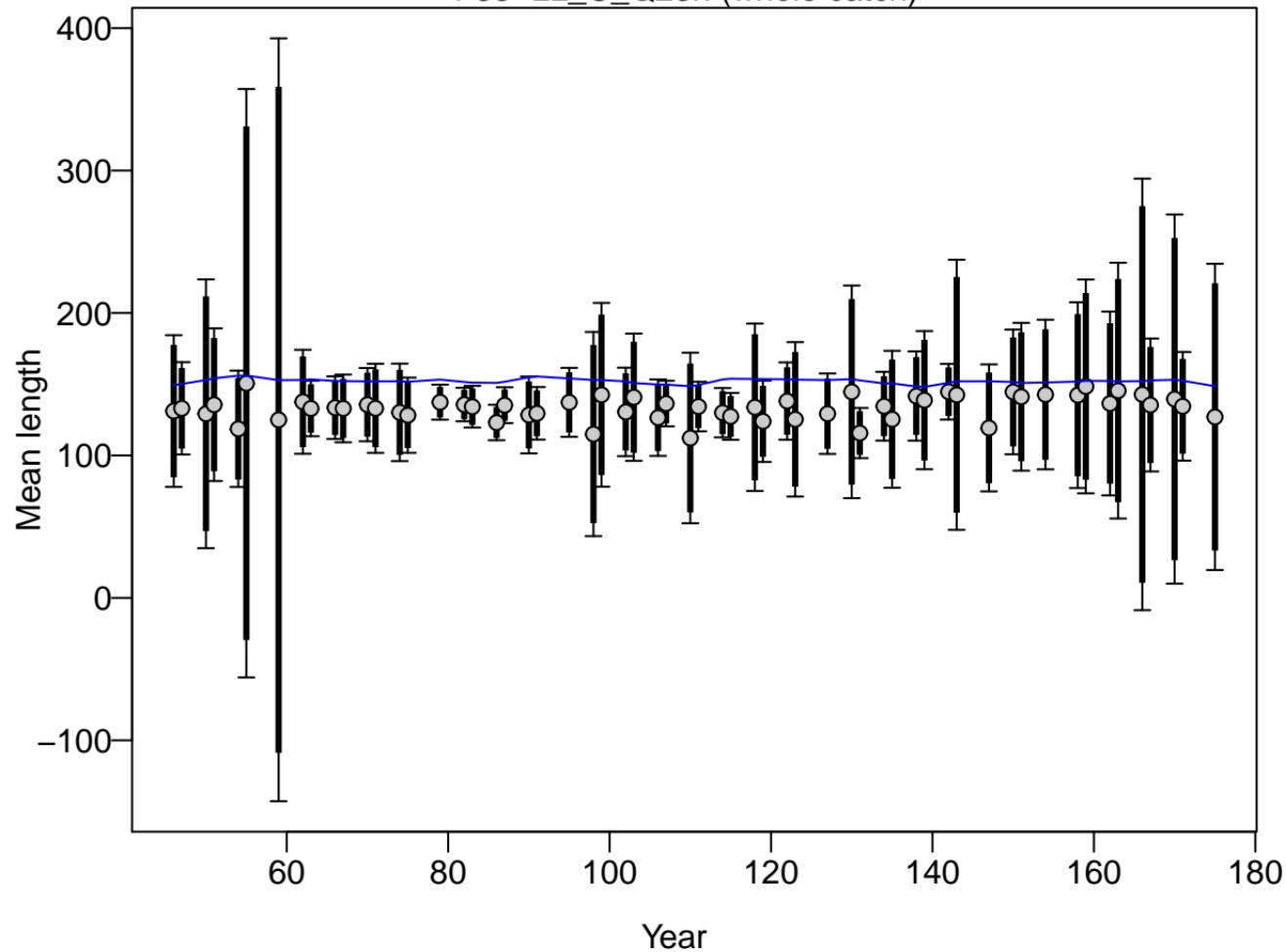
Proportion



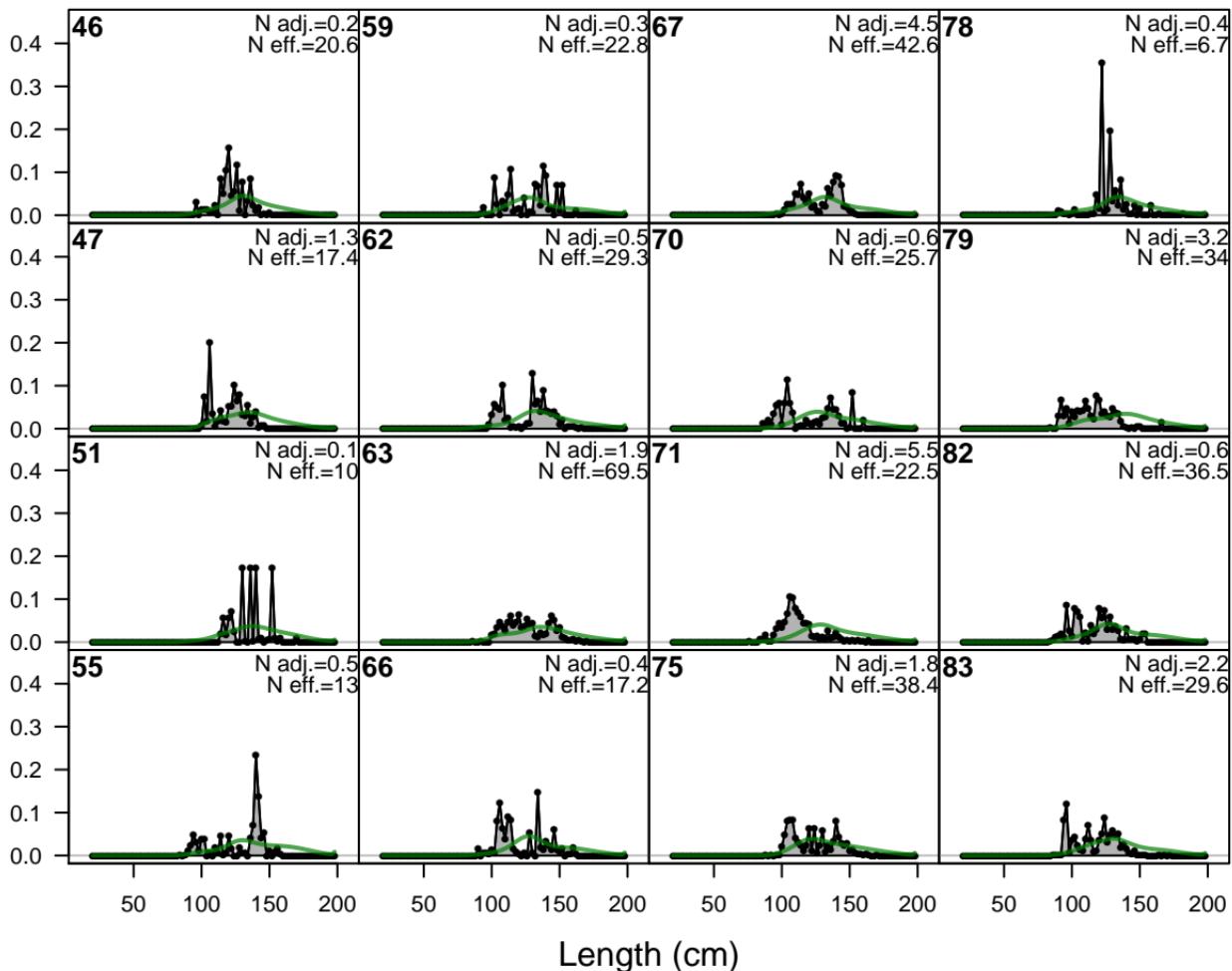




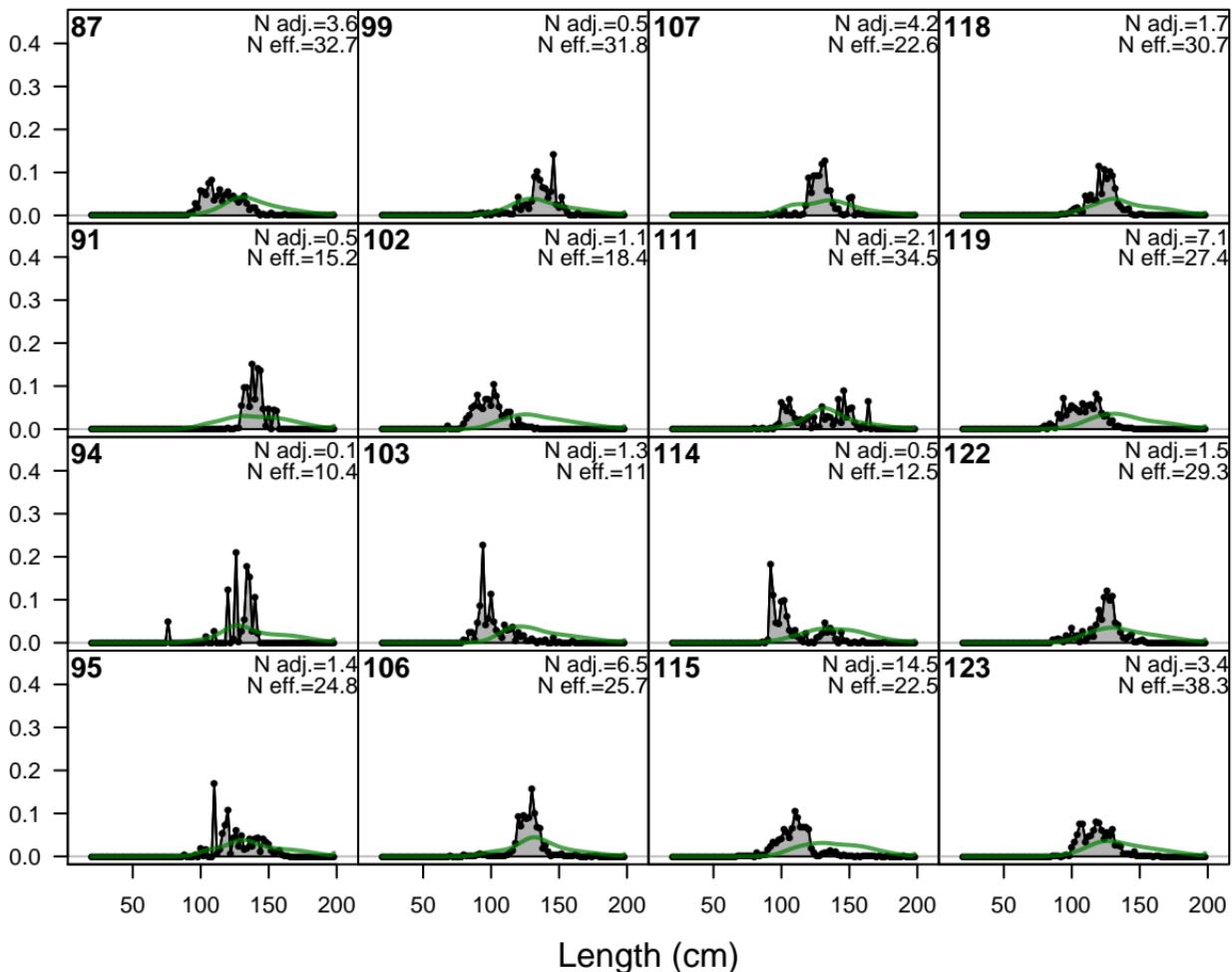
F33-LL_C_Q23n (whole catch)



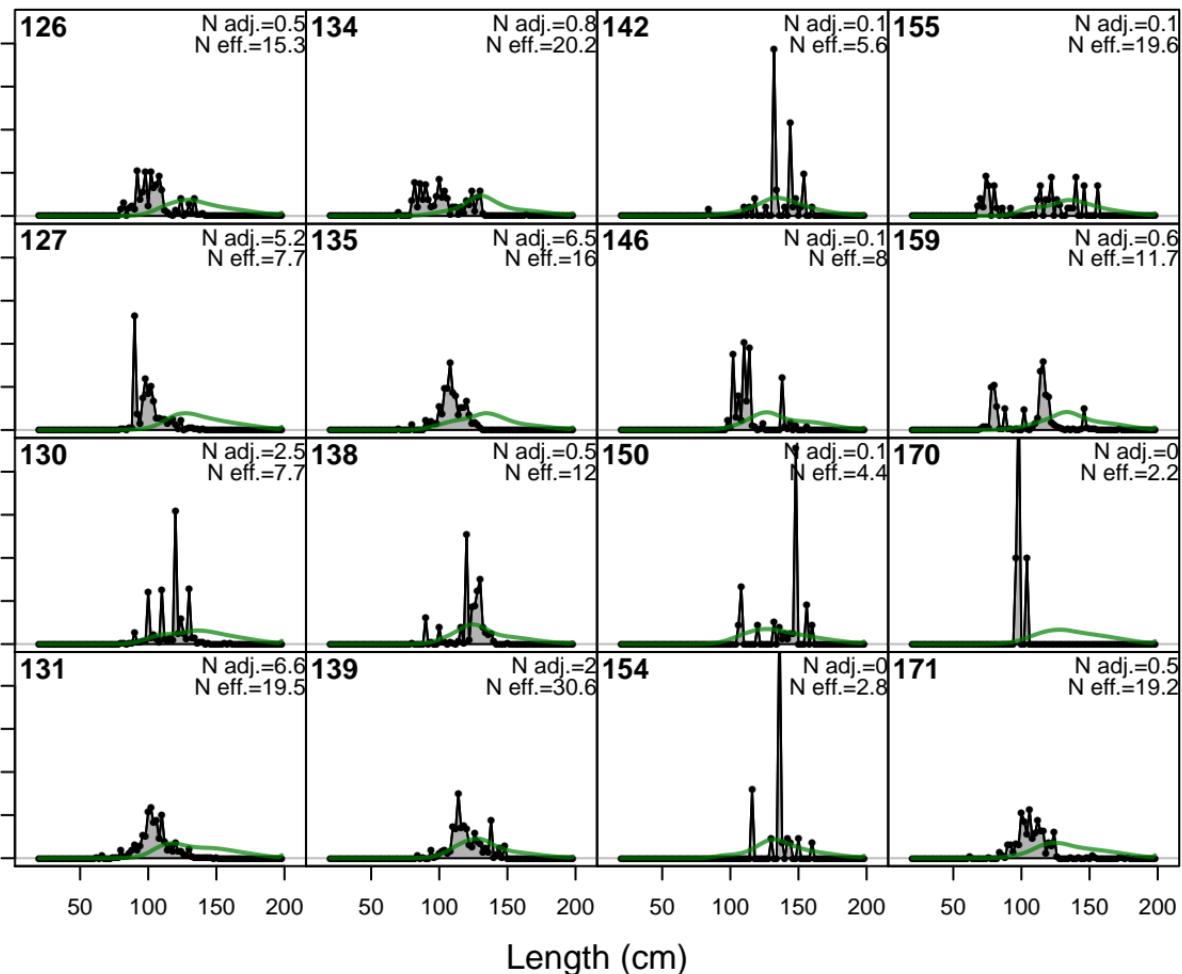
Proportion



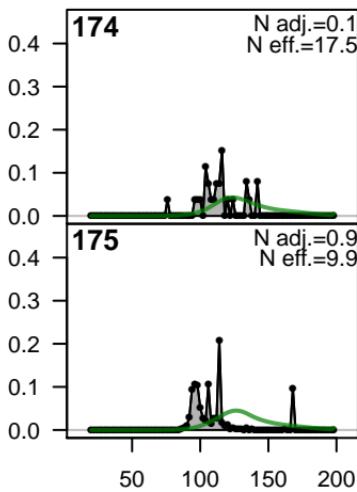
Proportion



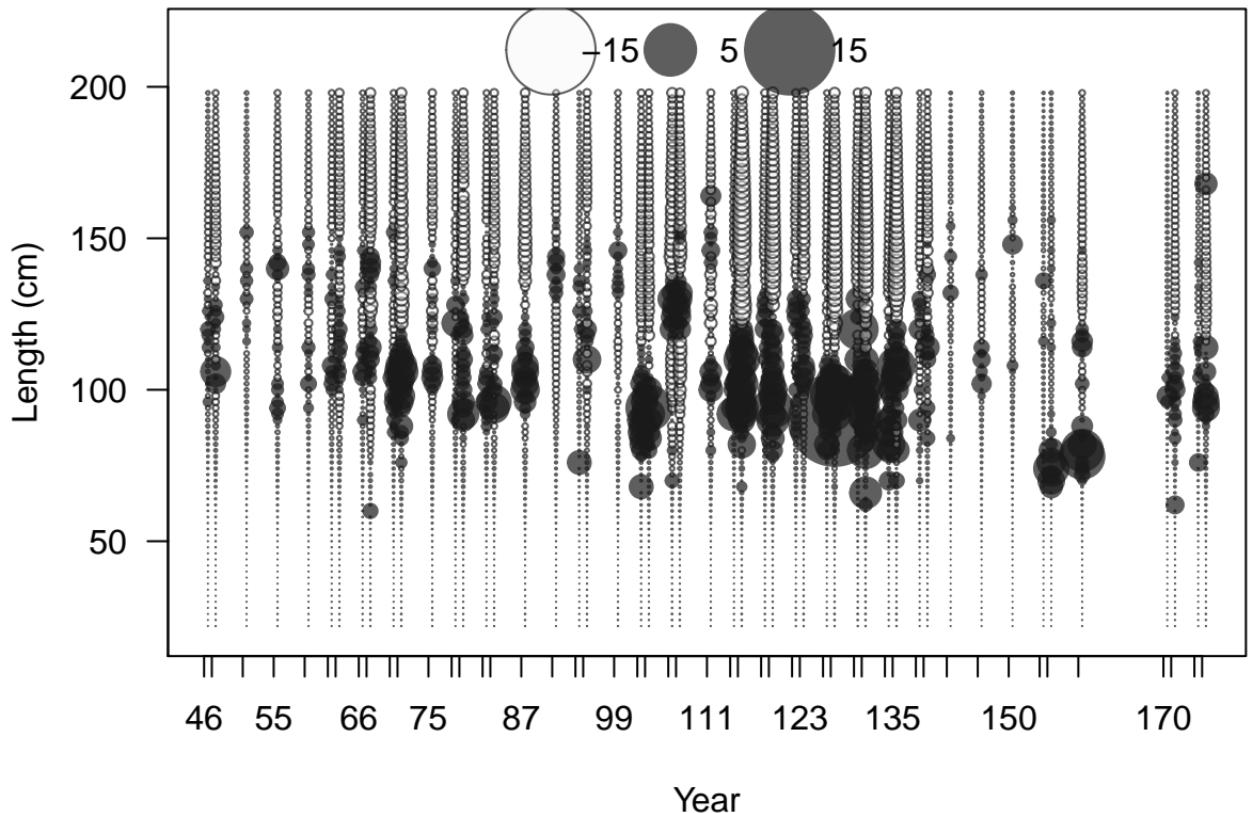
Proportion

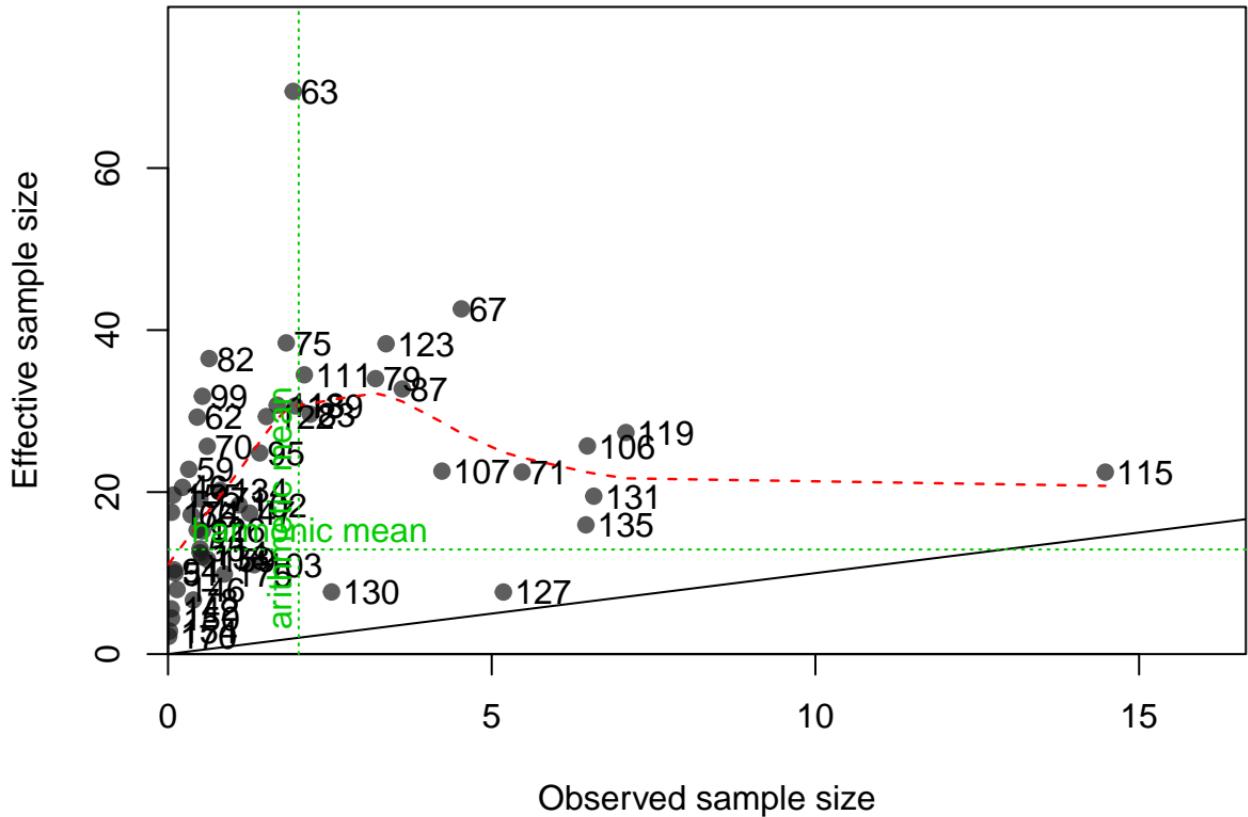


Proportion

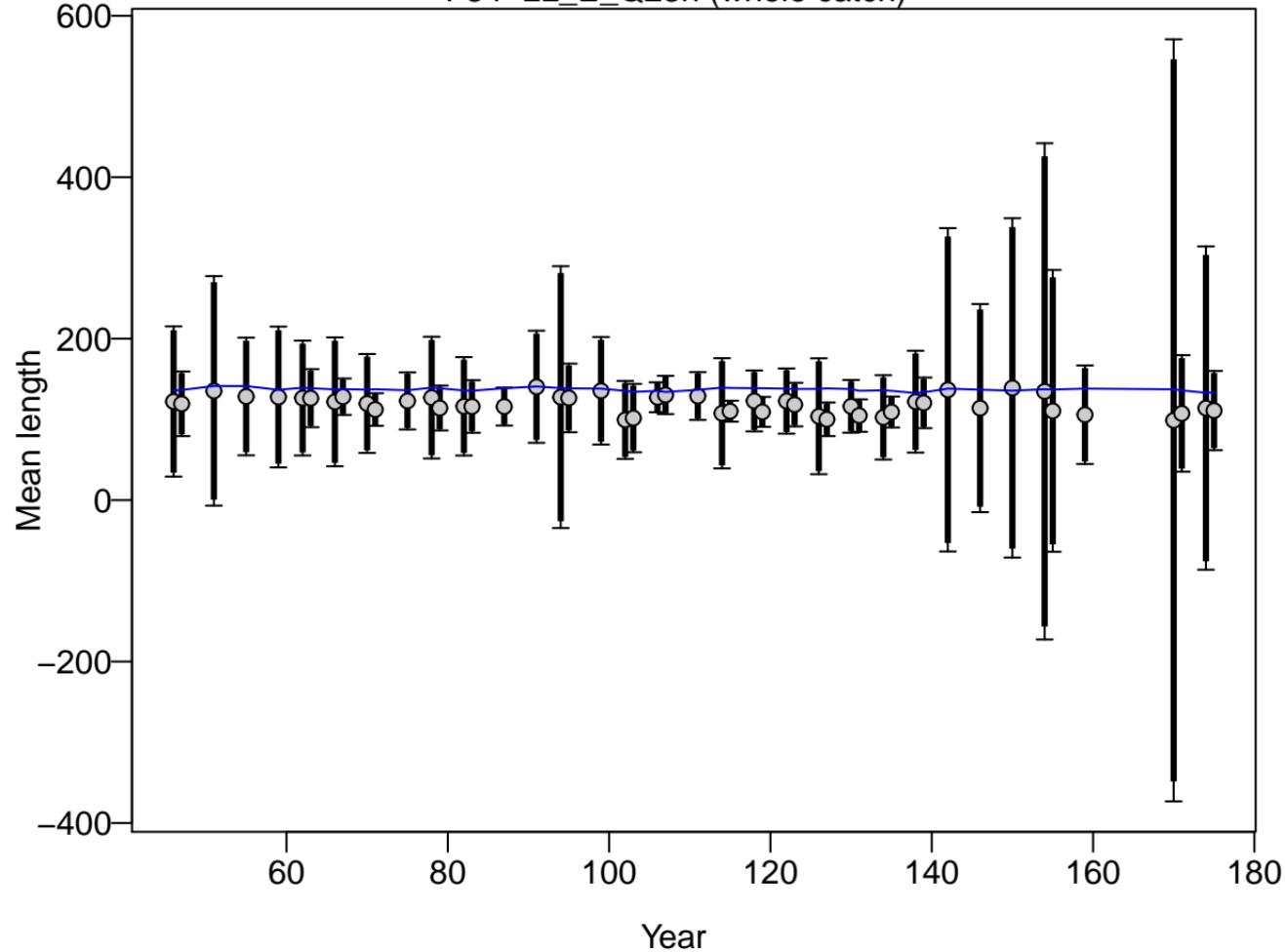


Length (cm)

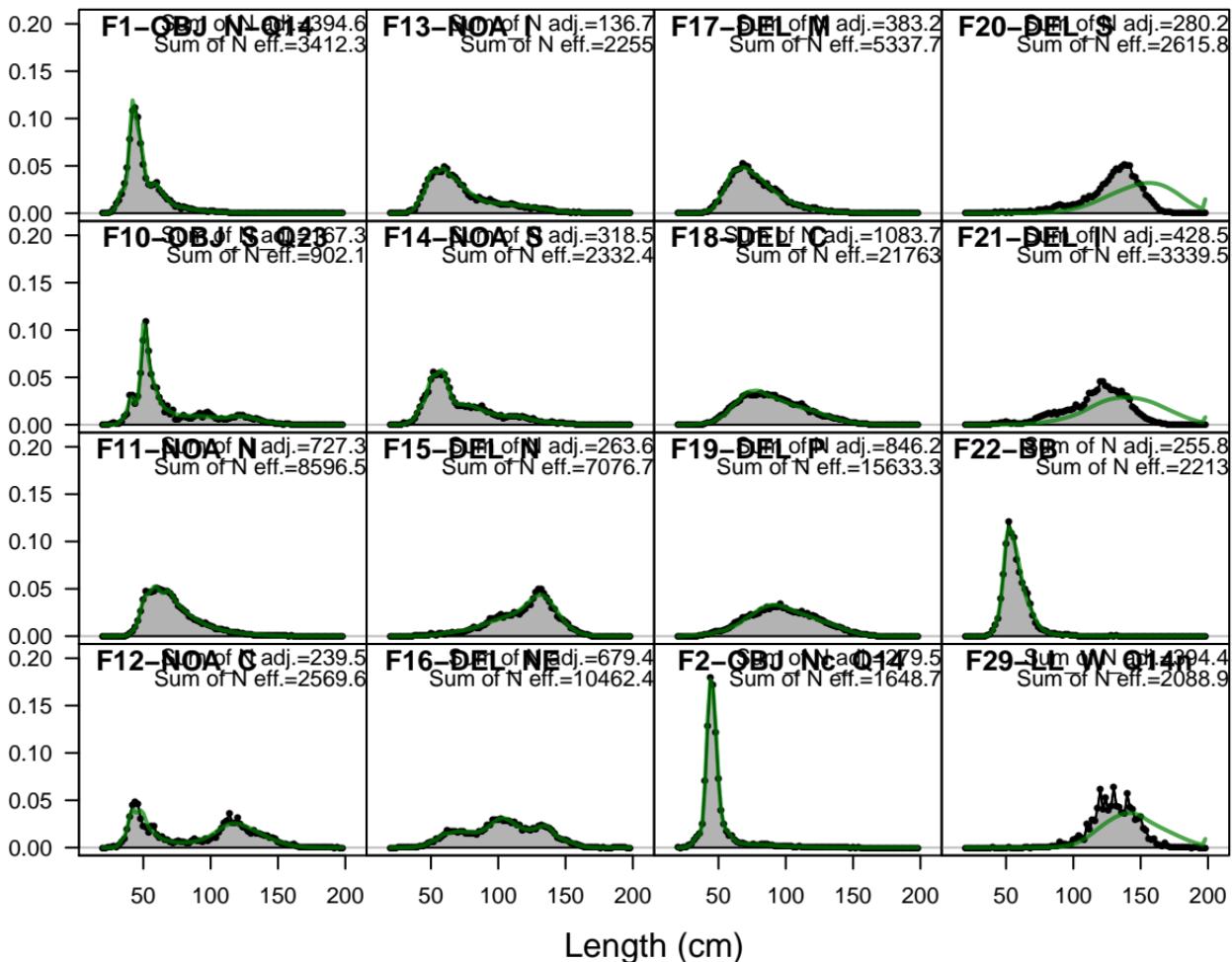




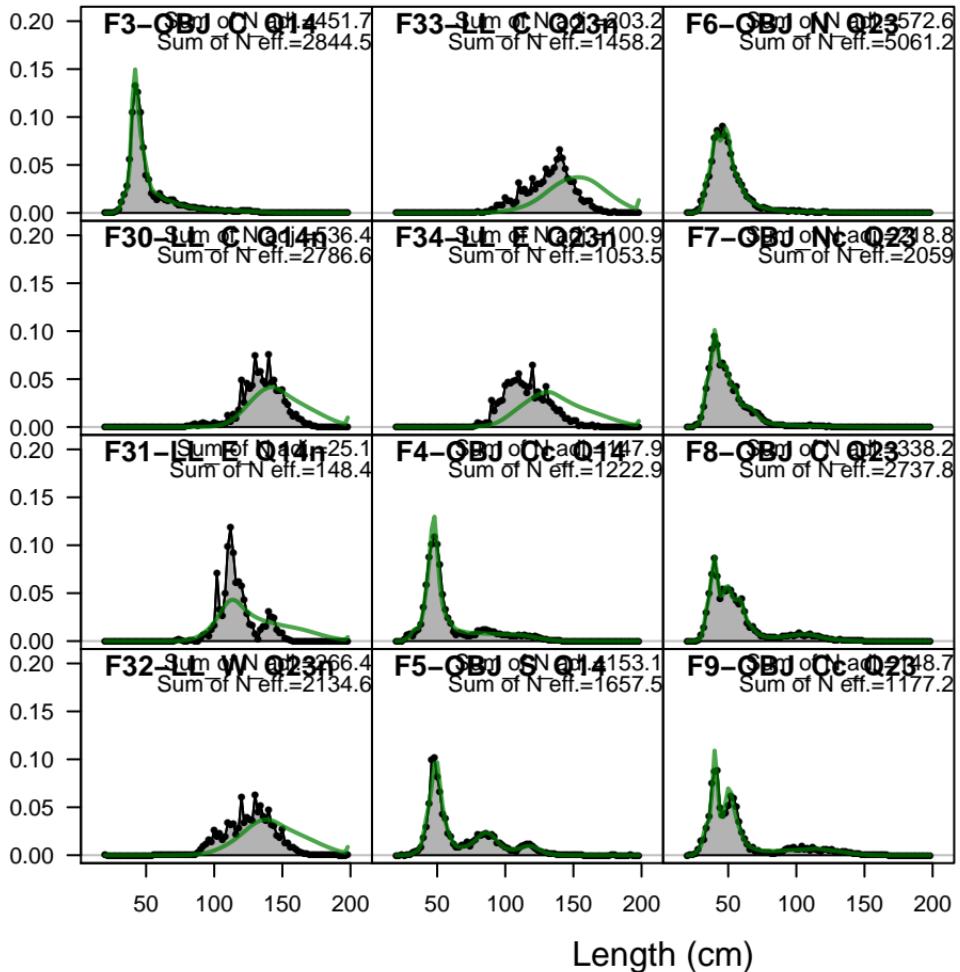
F34-LL_E_Q23n (whole catch)

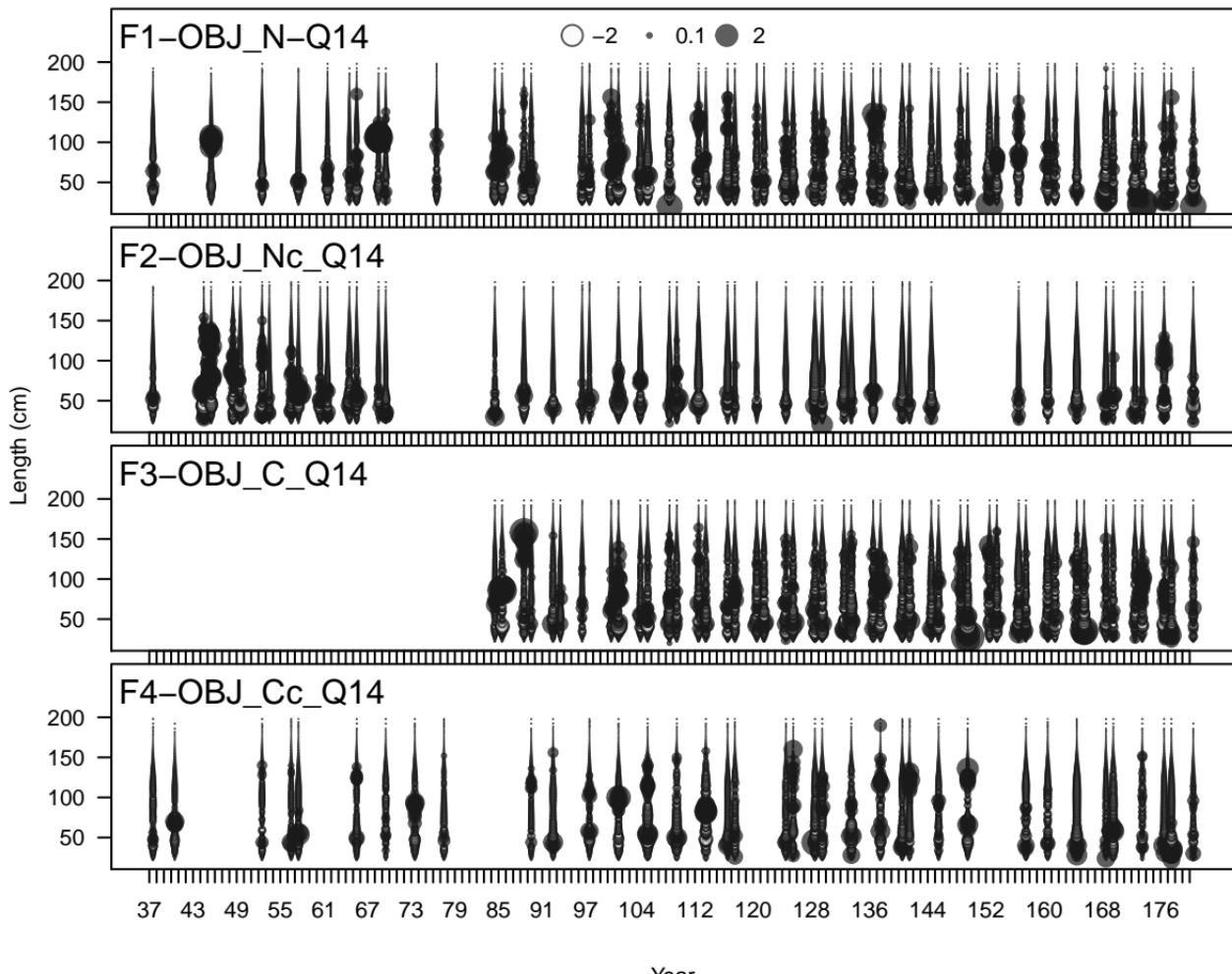


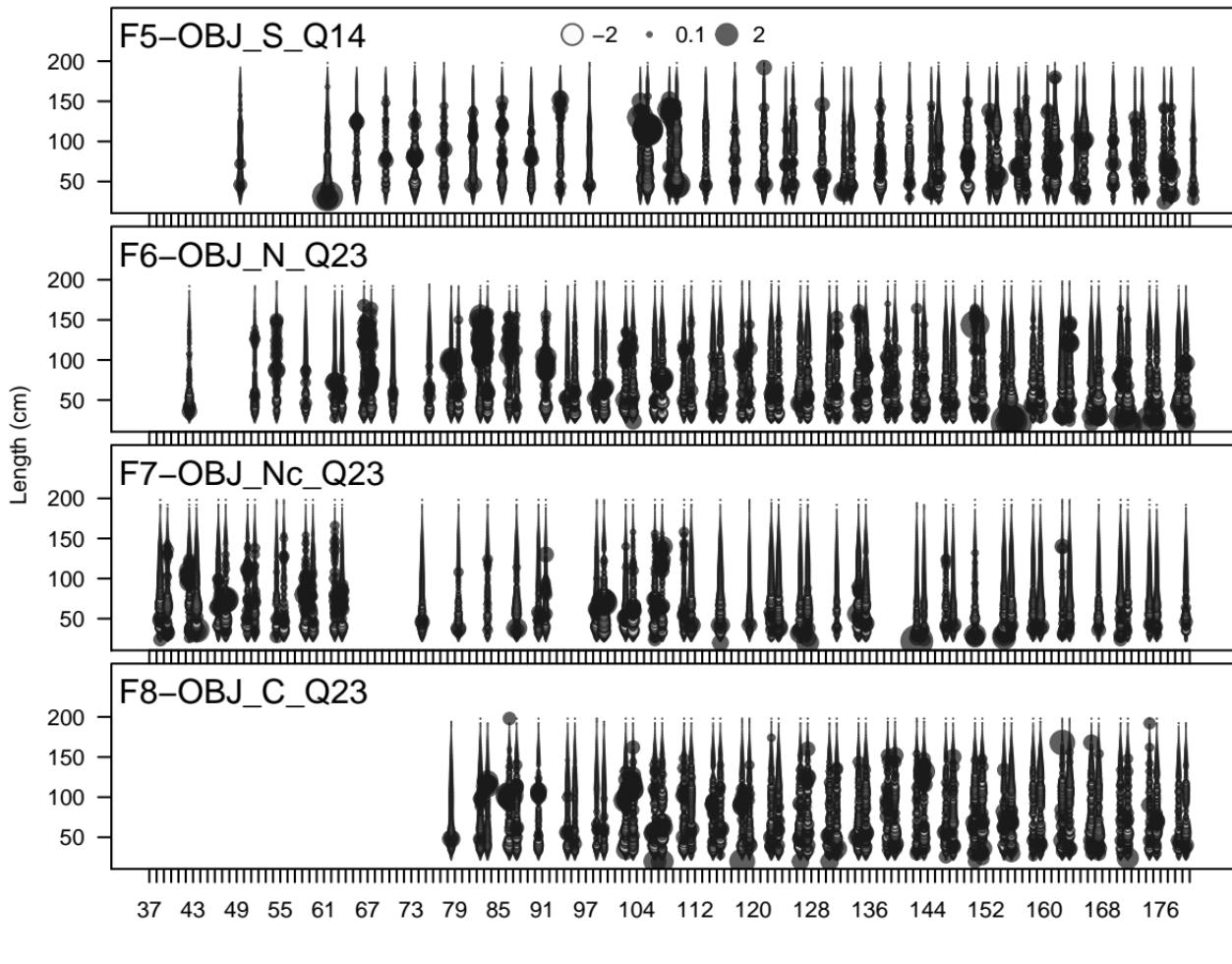
Proportion

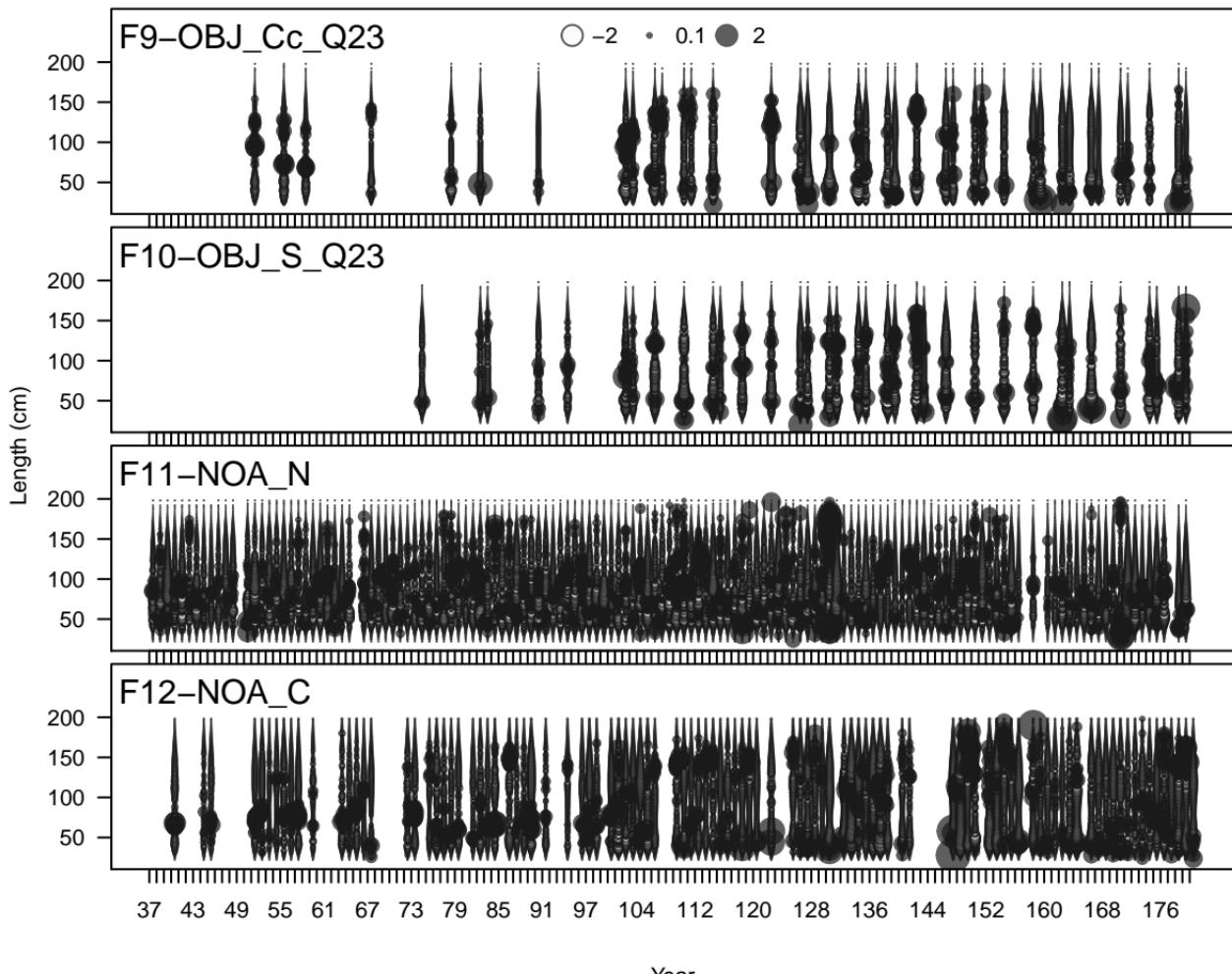


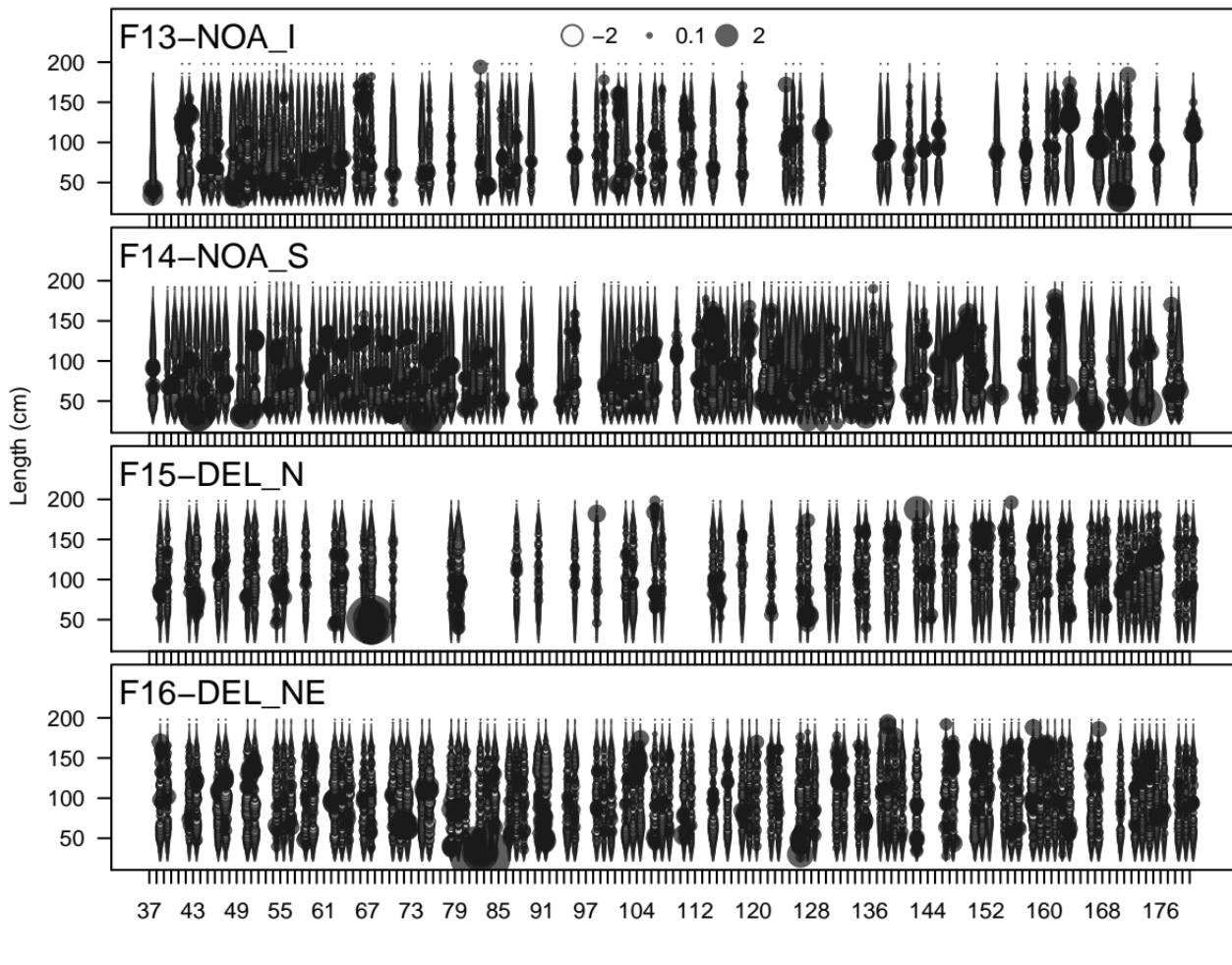
Proportion

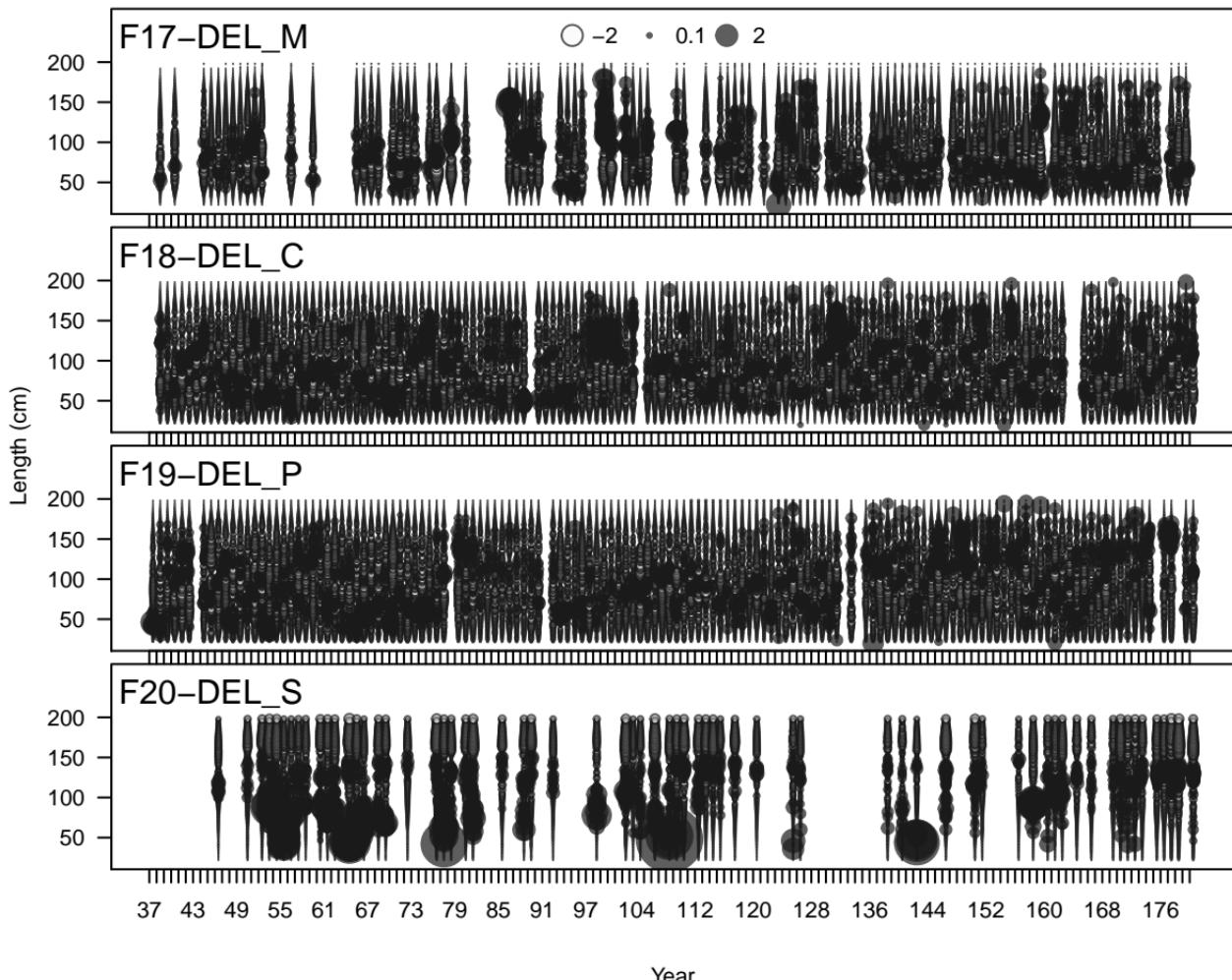


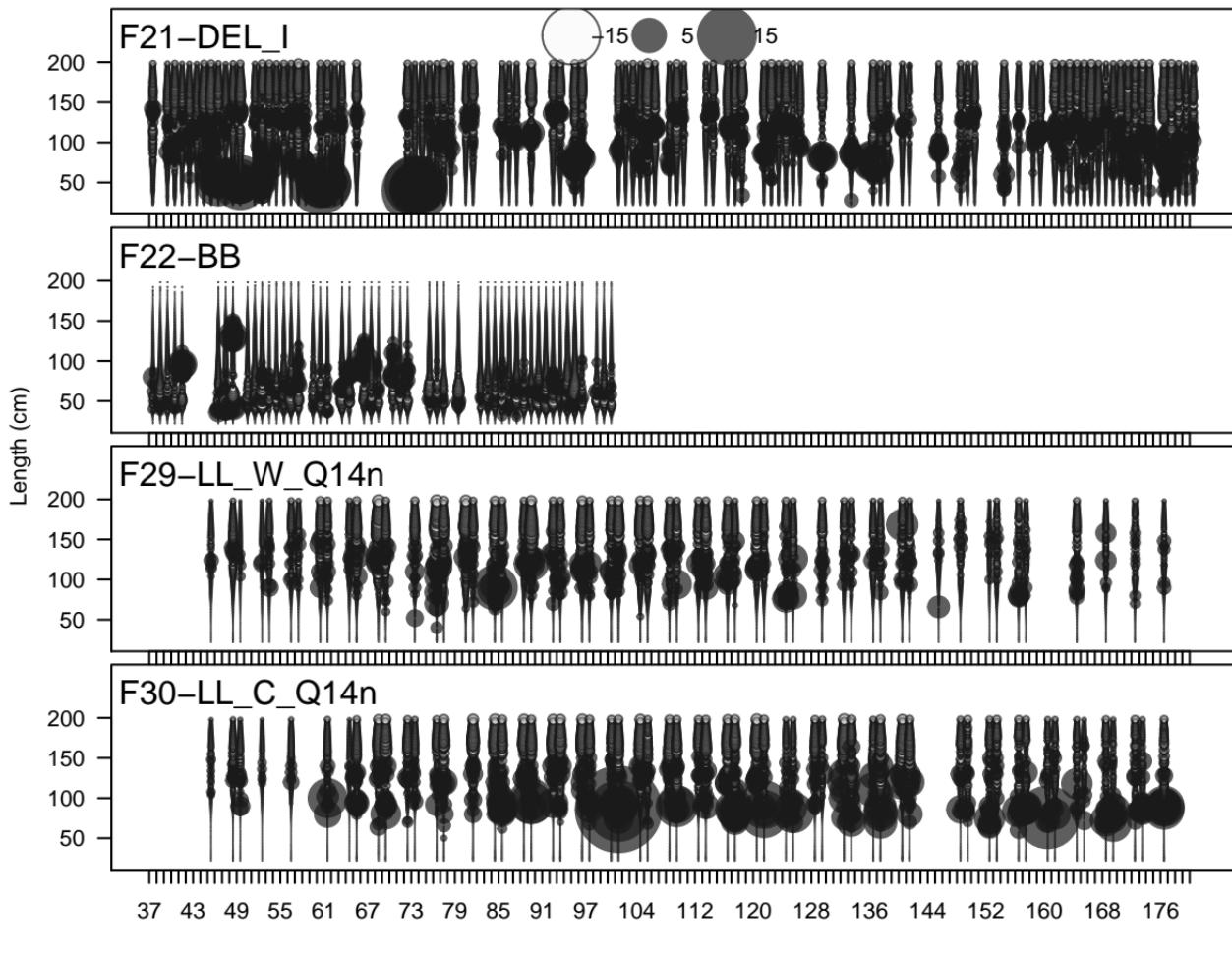


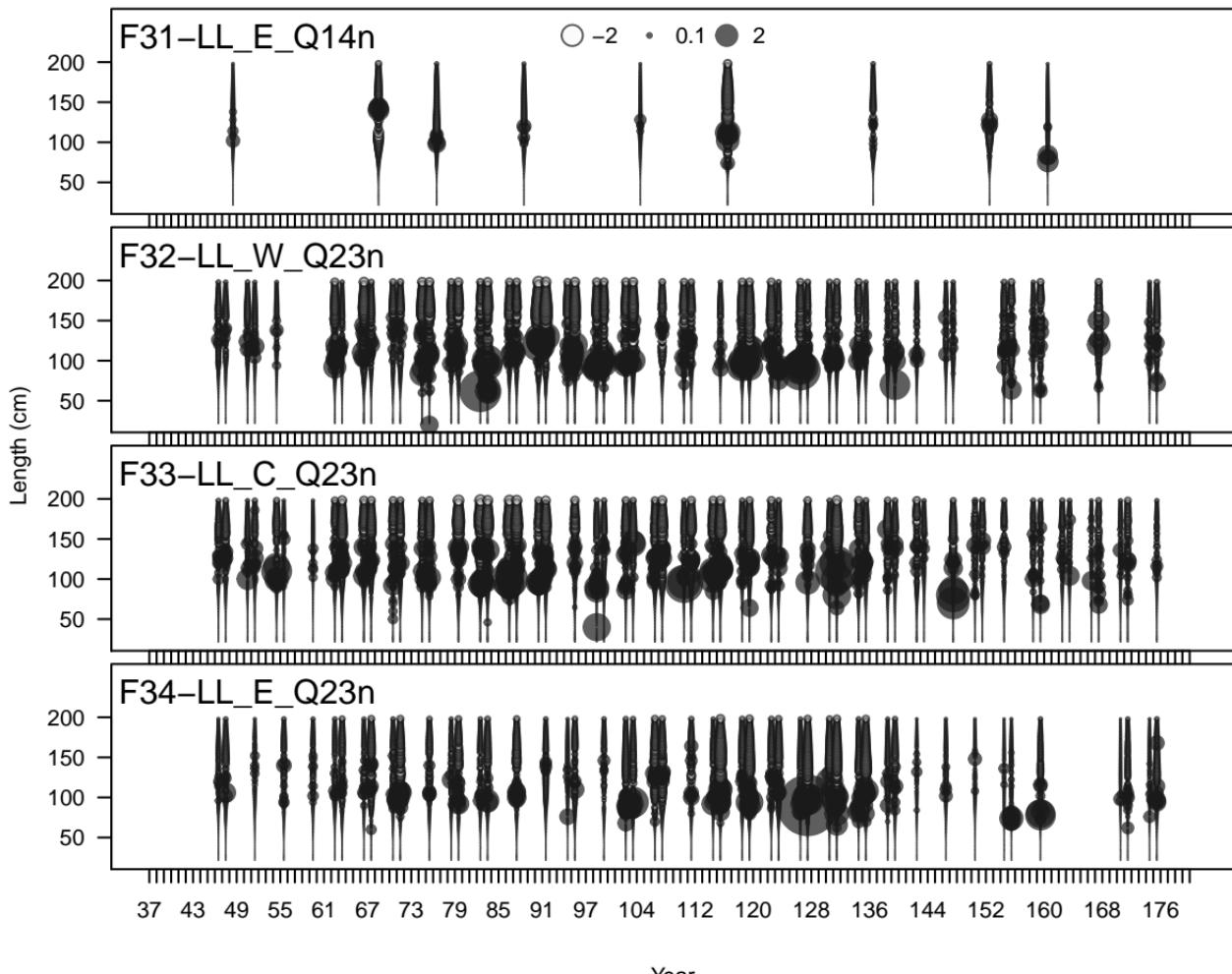




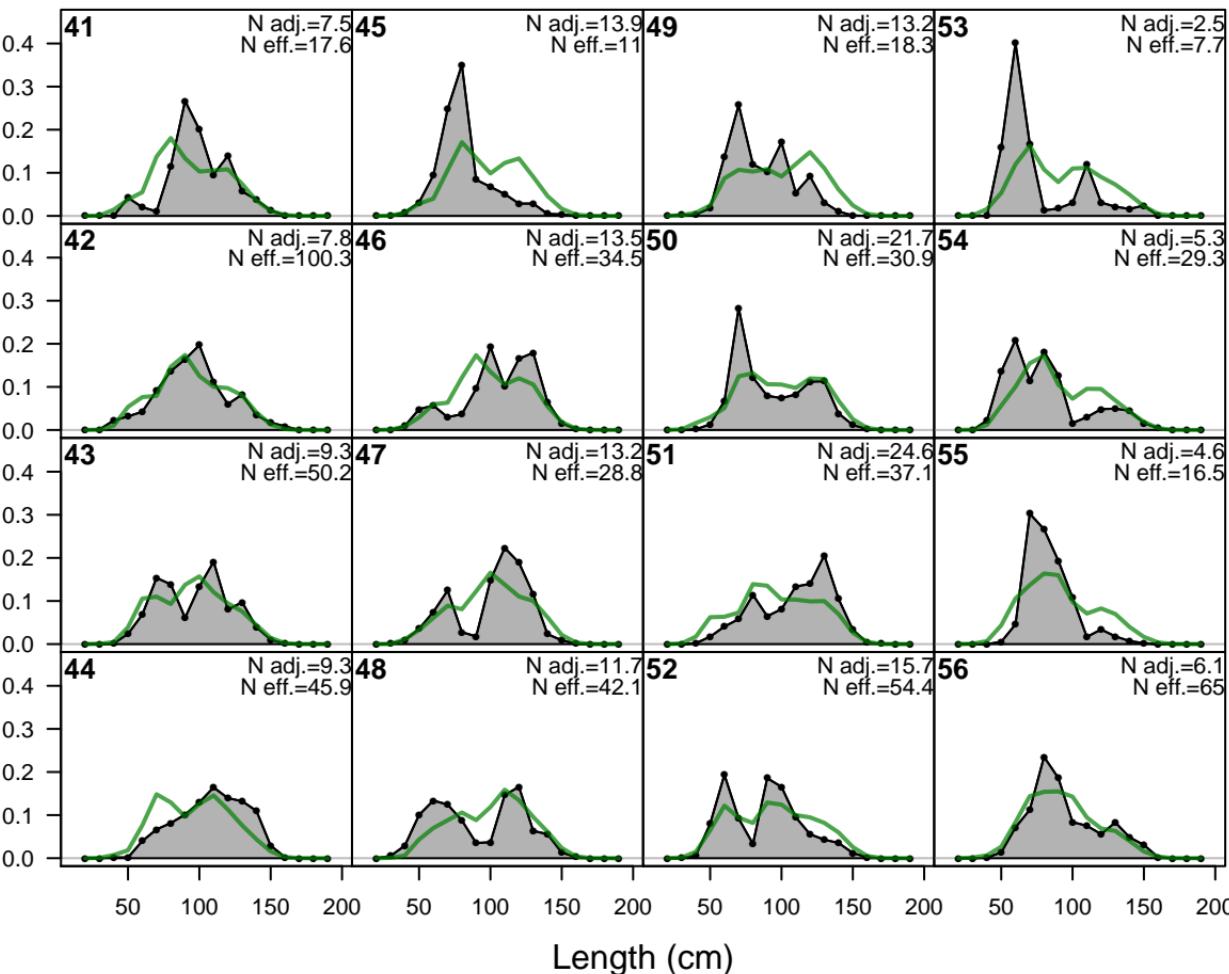




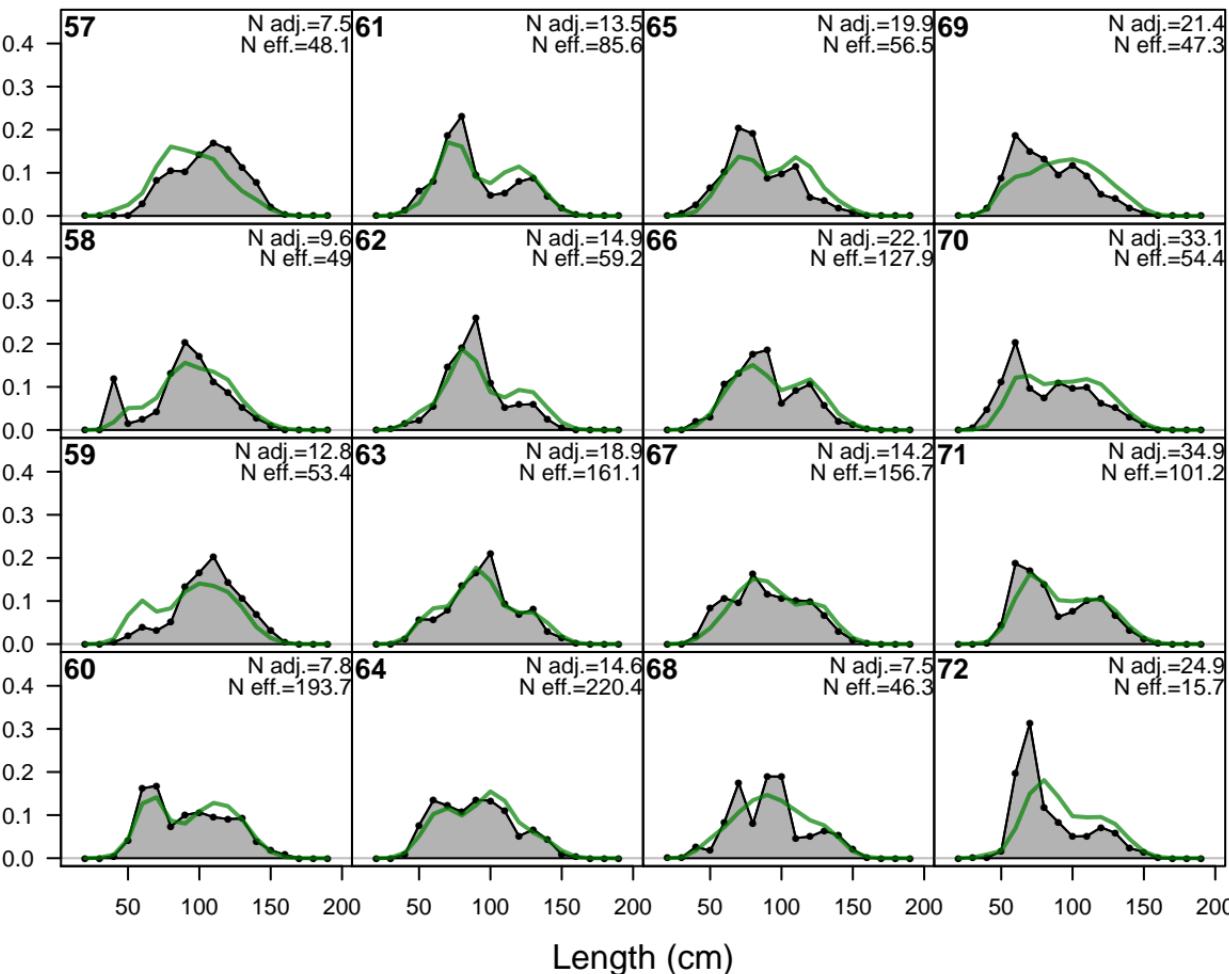




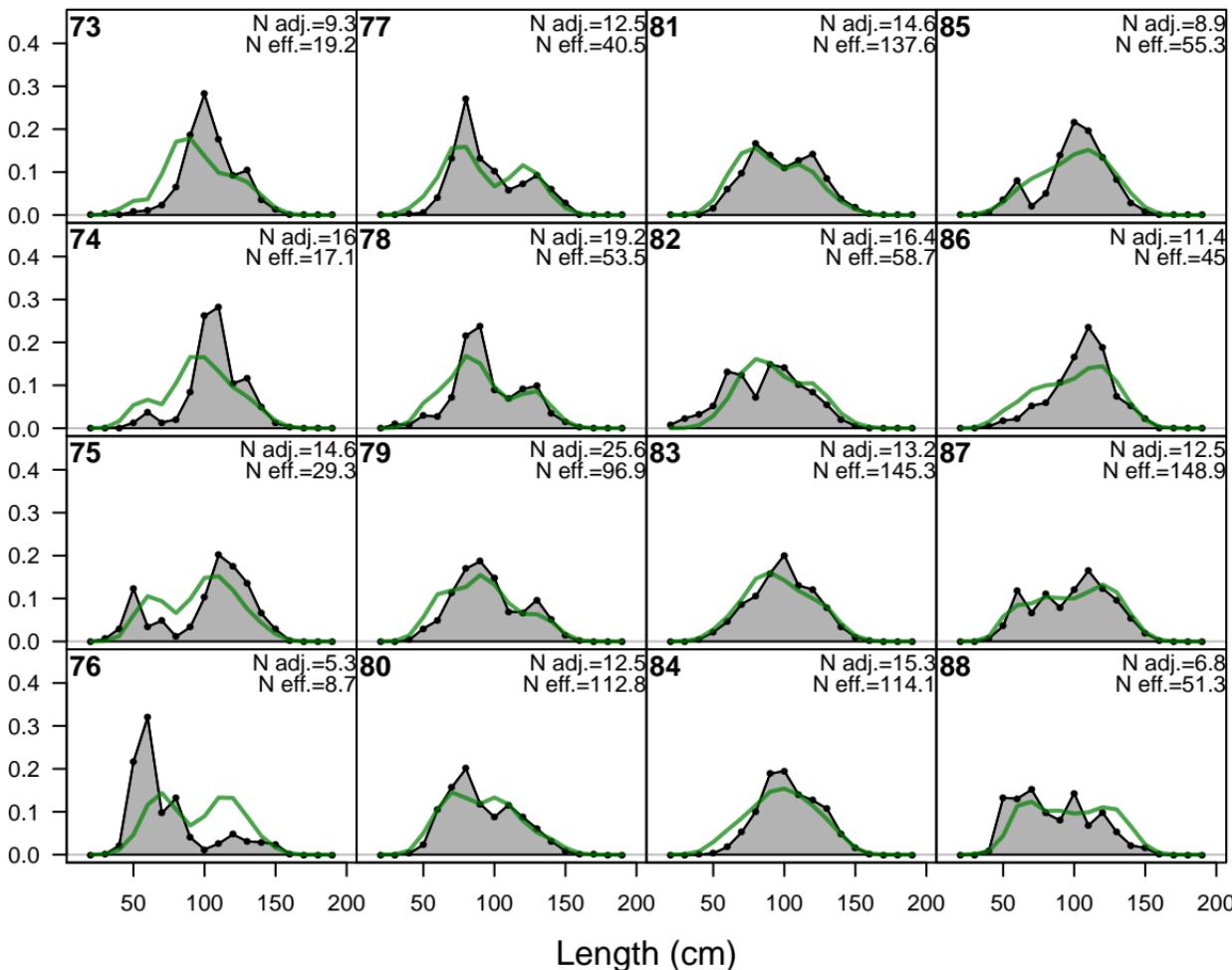
Proportion



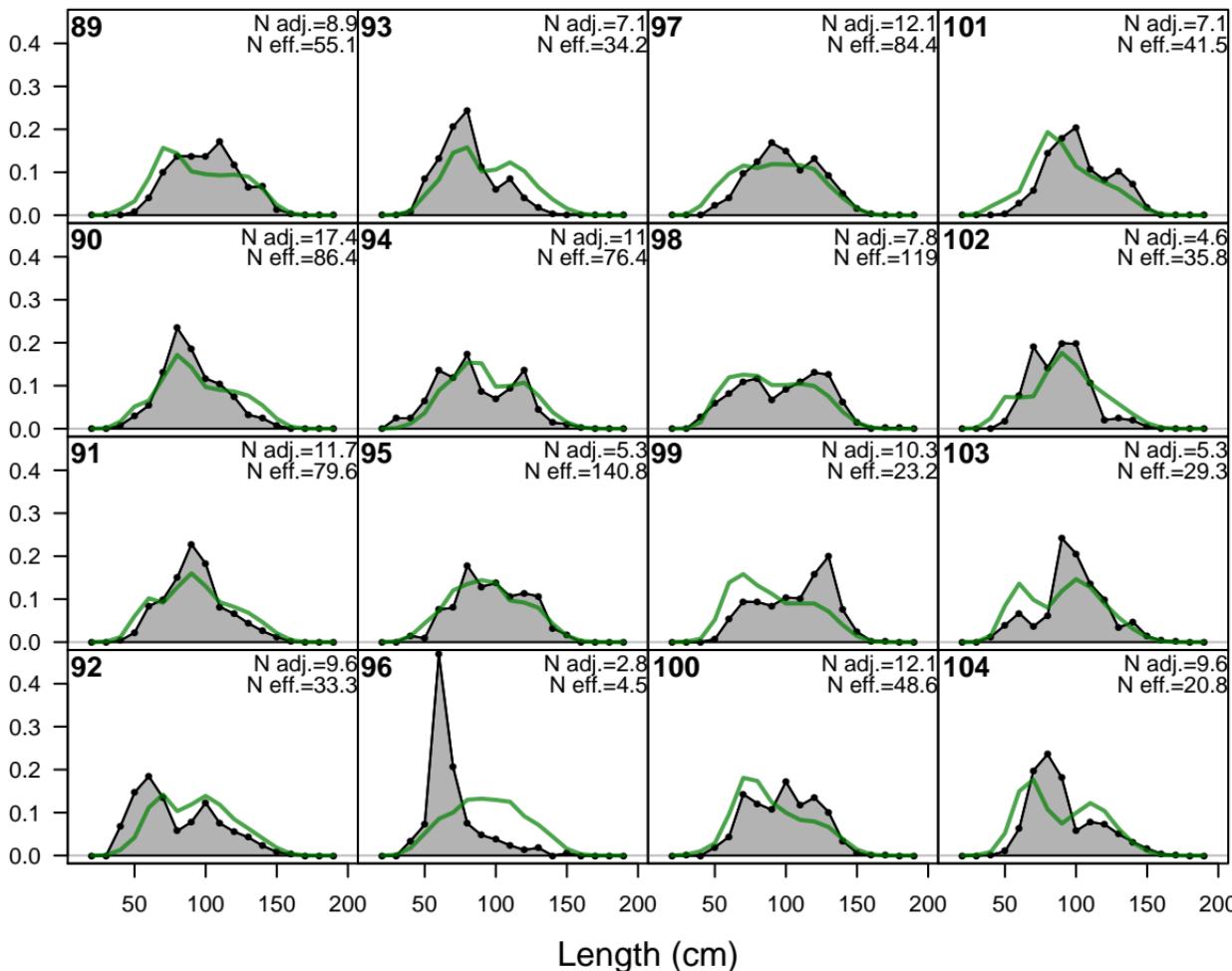
Proportion



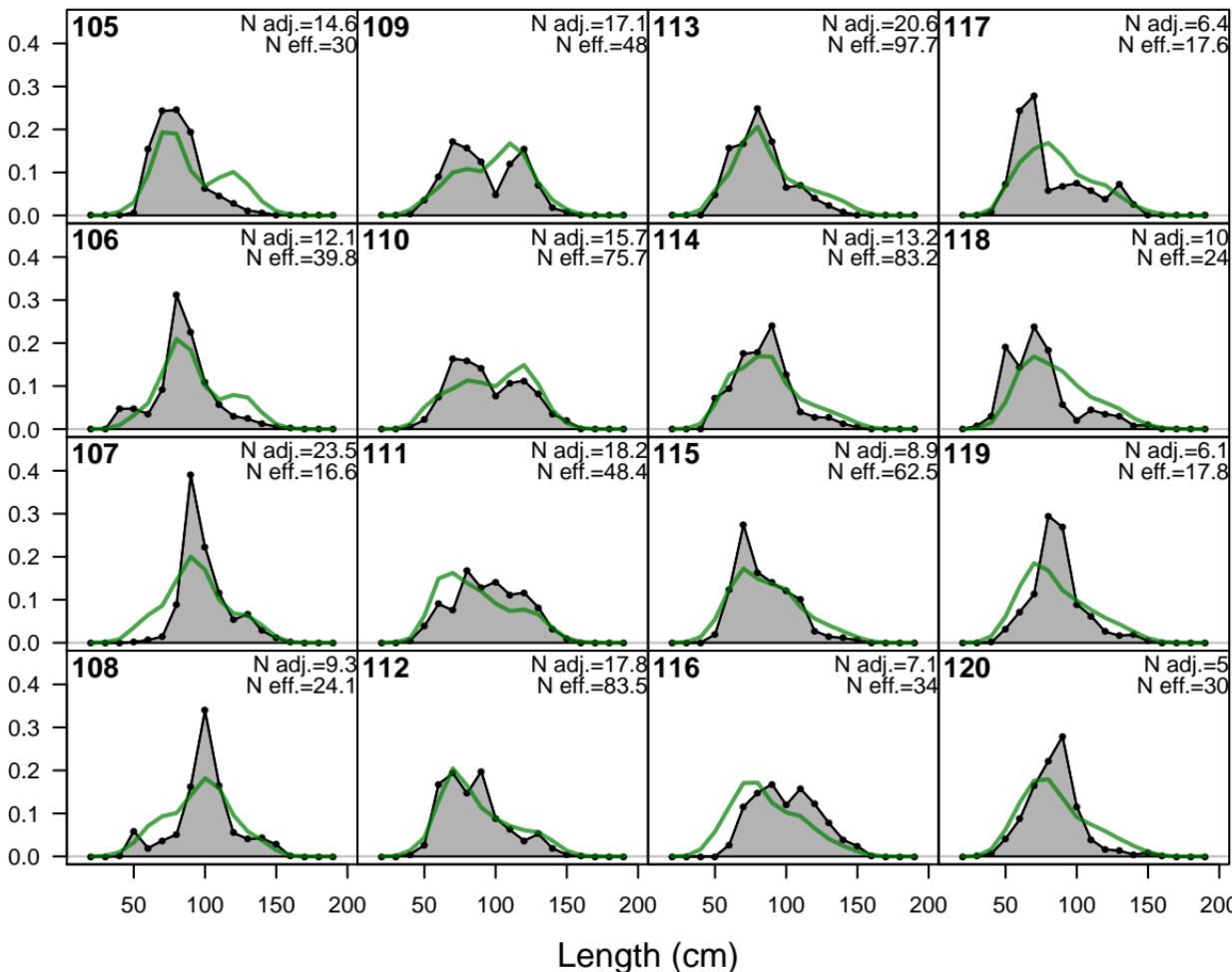
Proportion



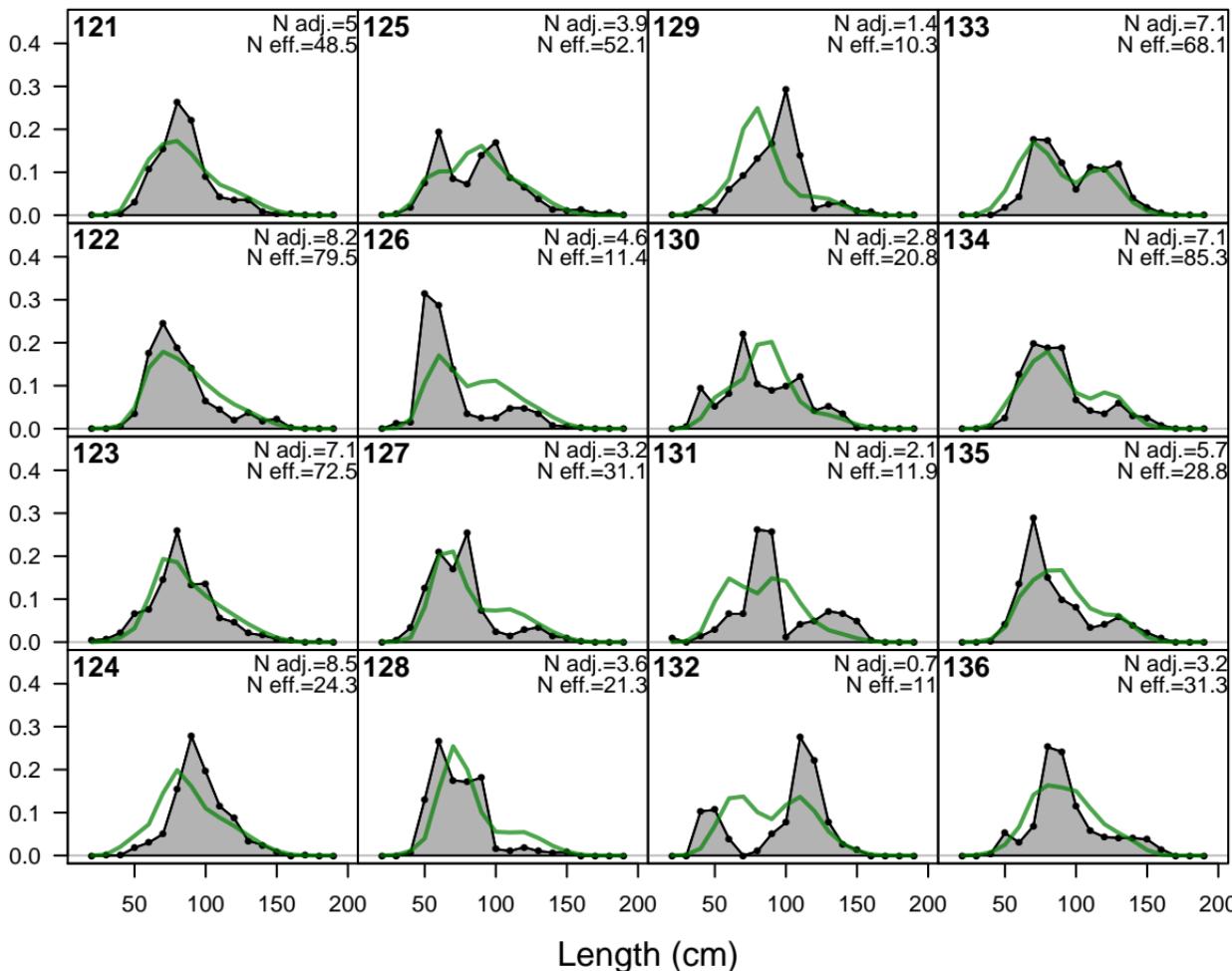
Proportion



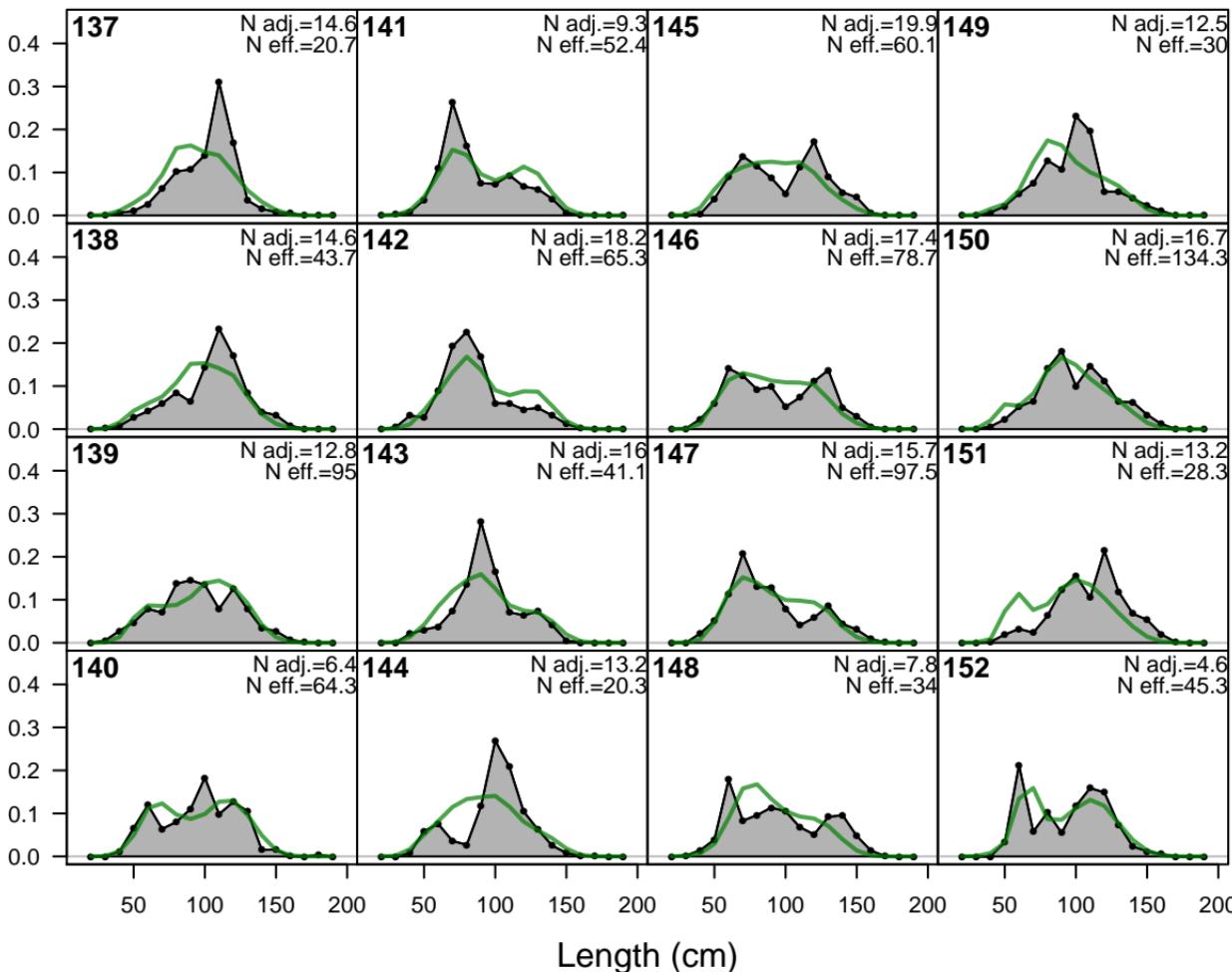
Proportion



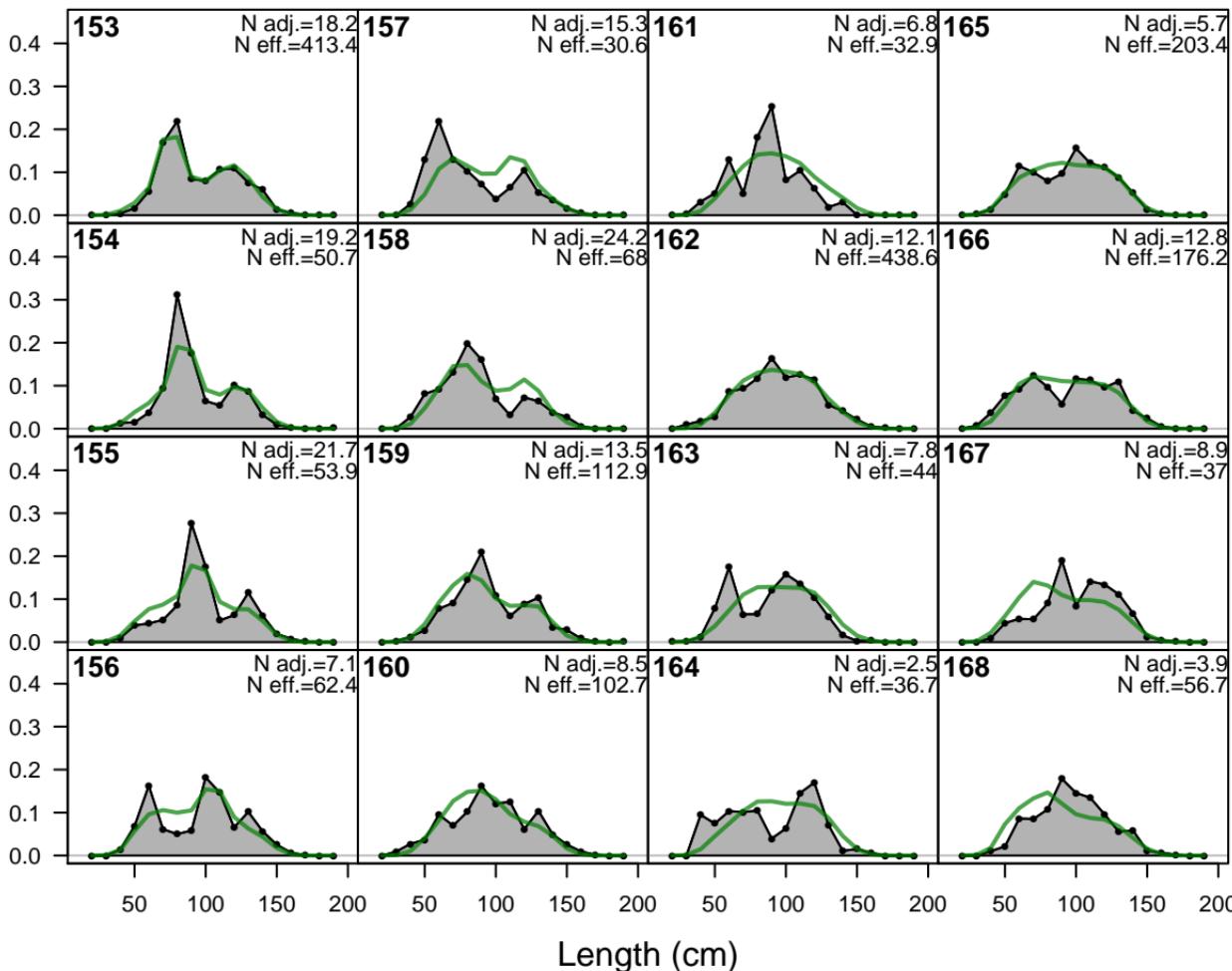
Proportion



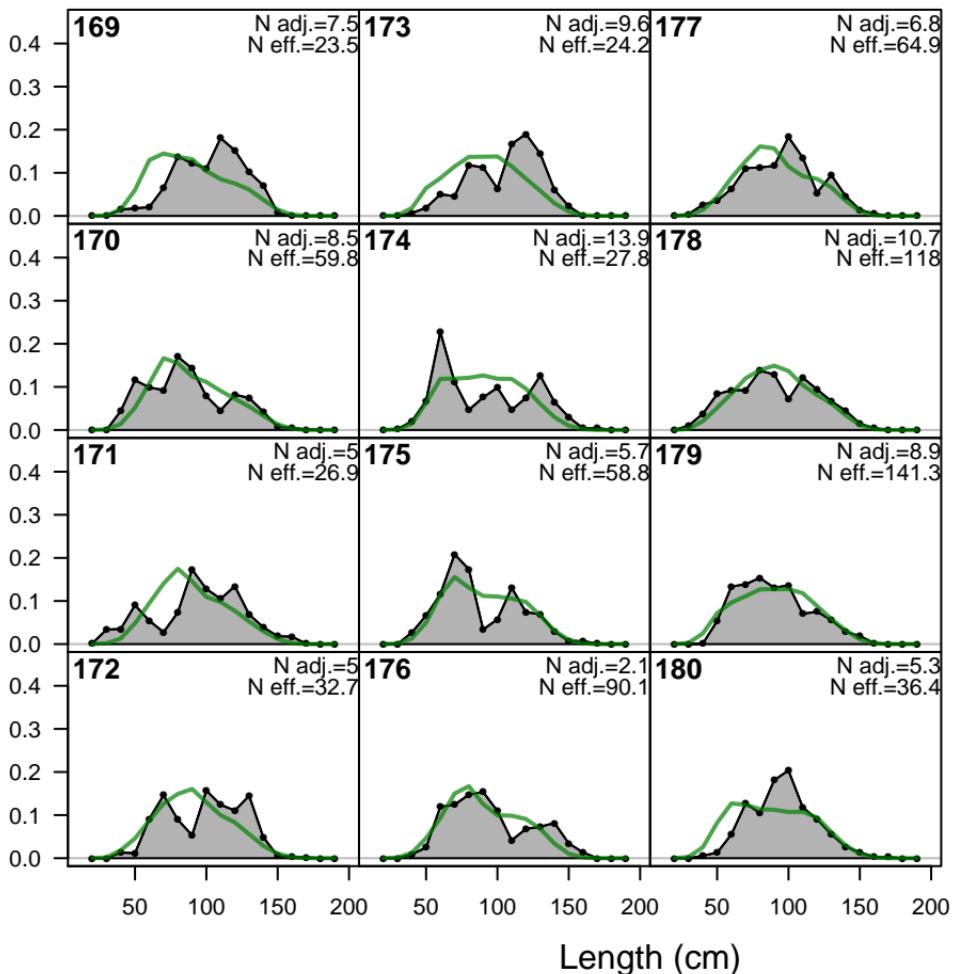
Proportion

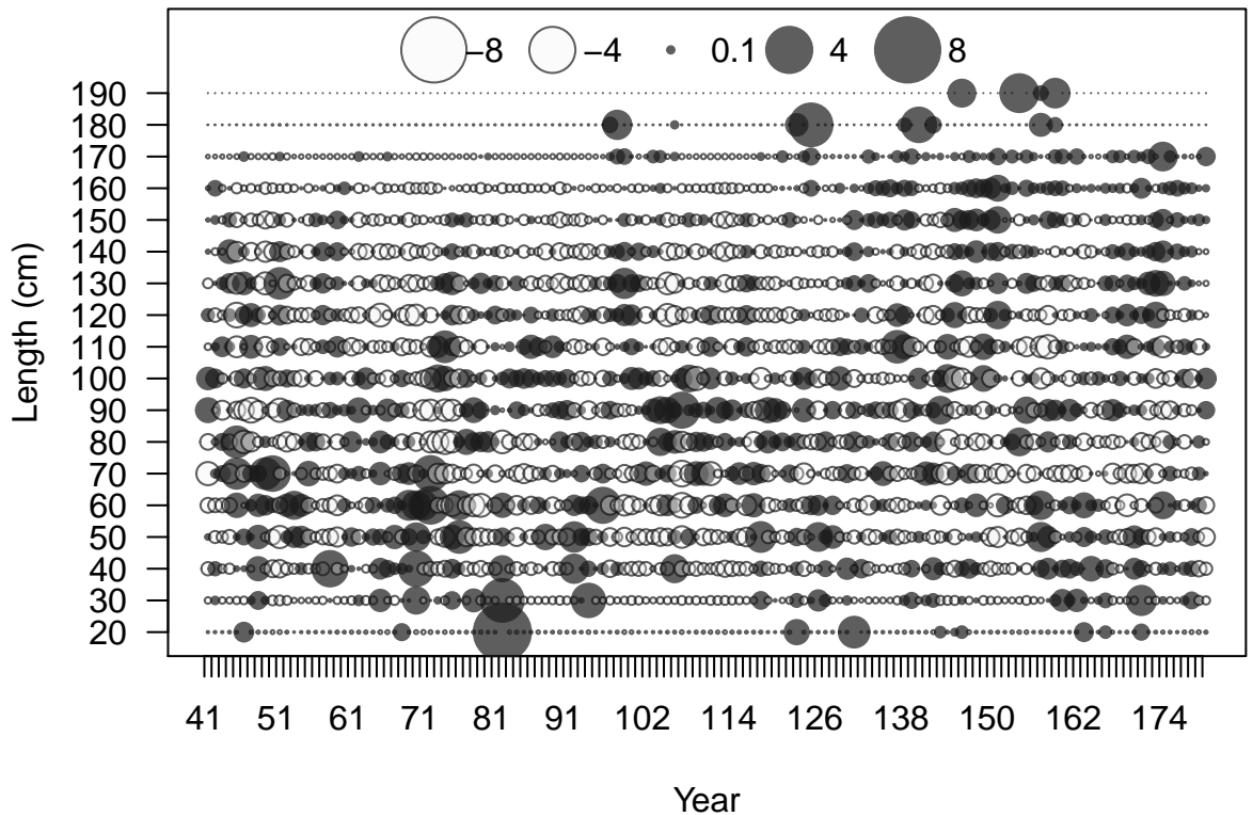


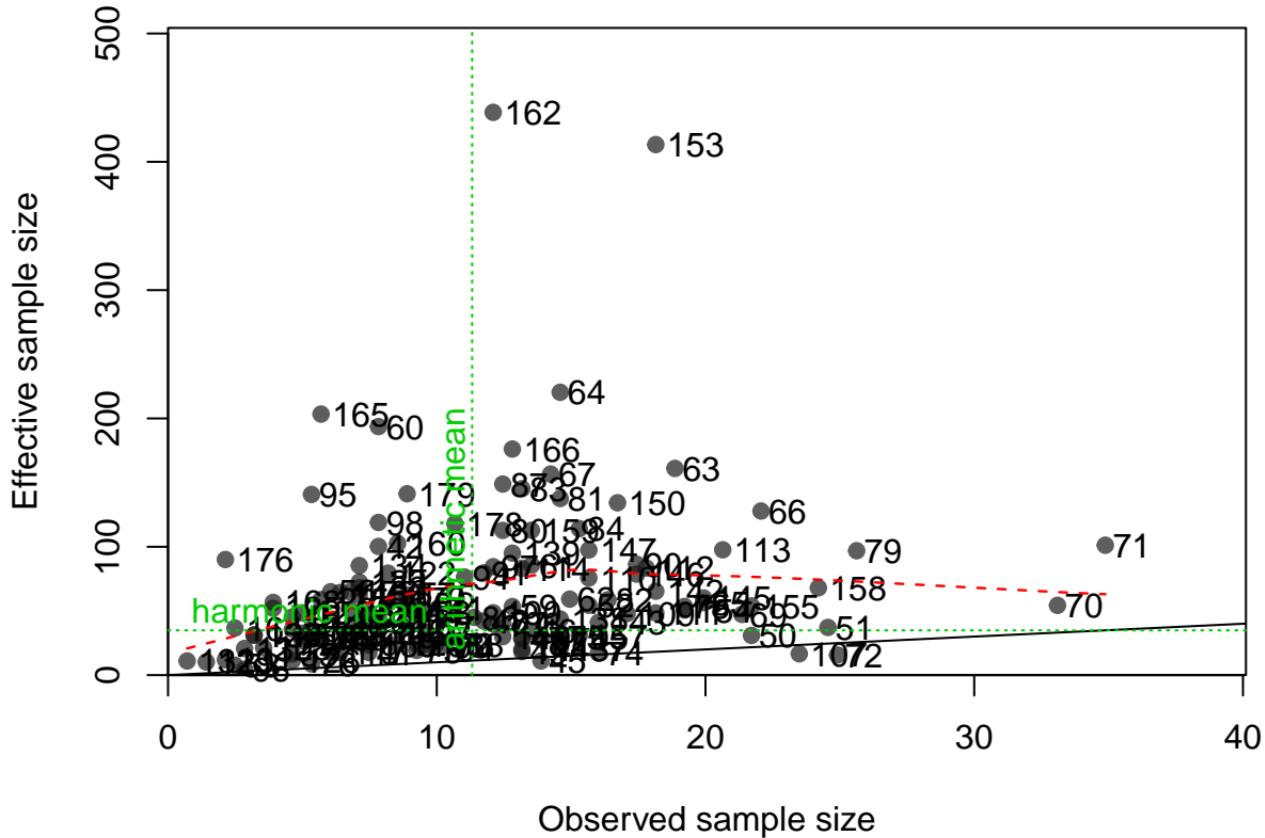
Proportion



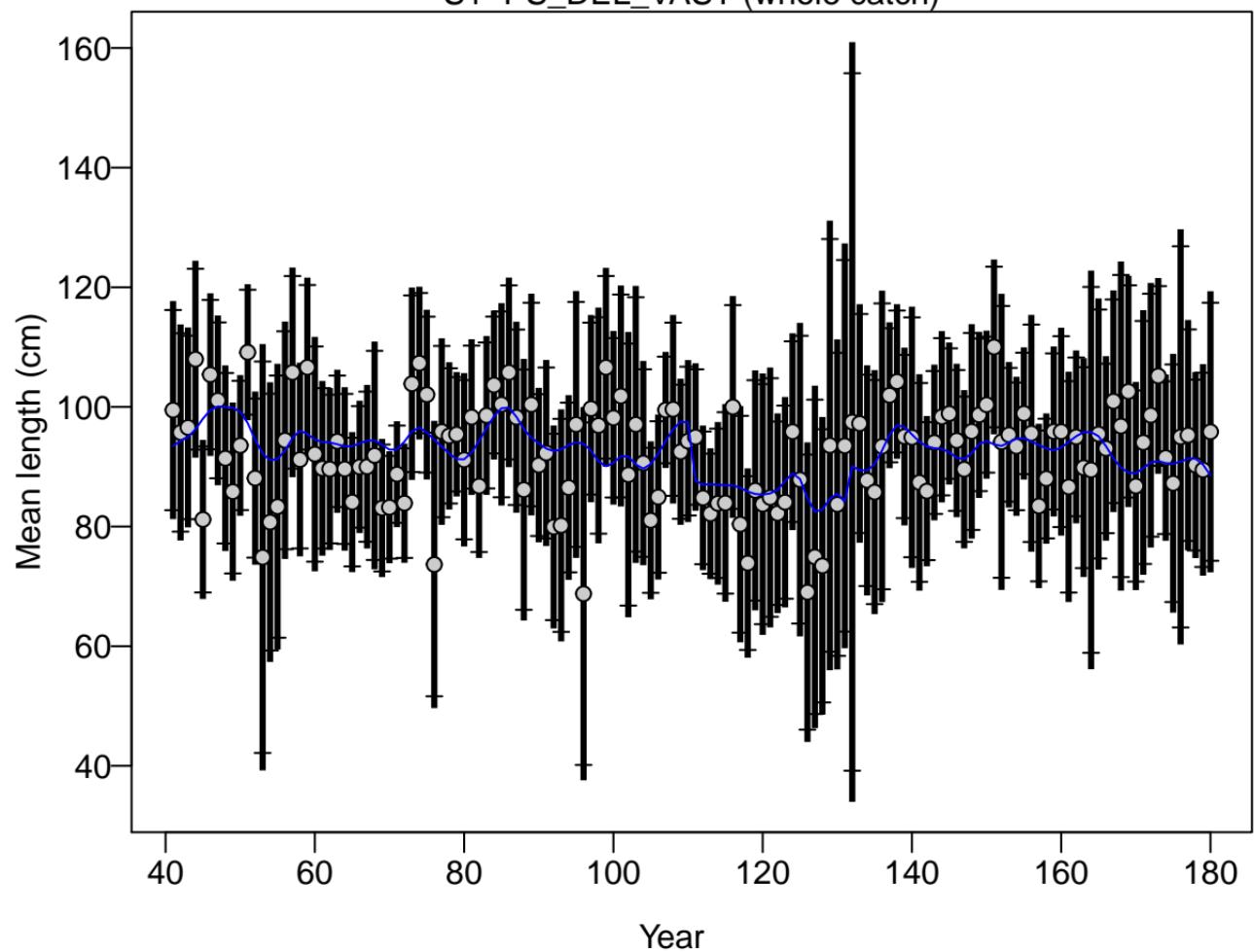
Proportion





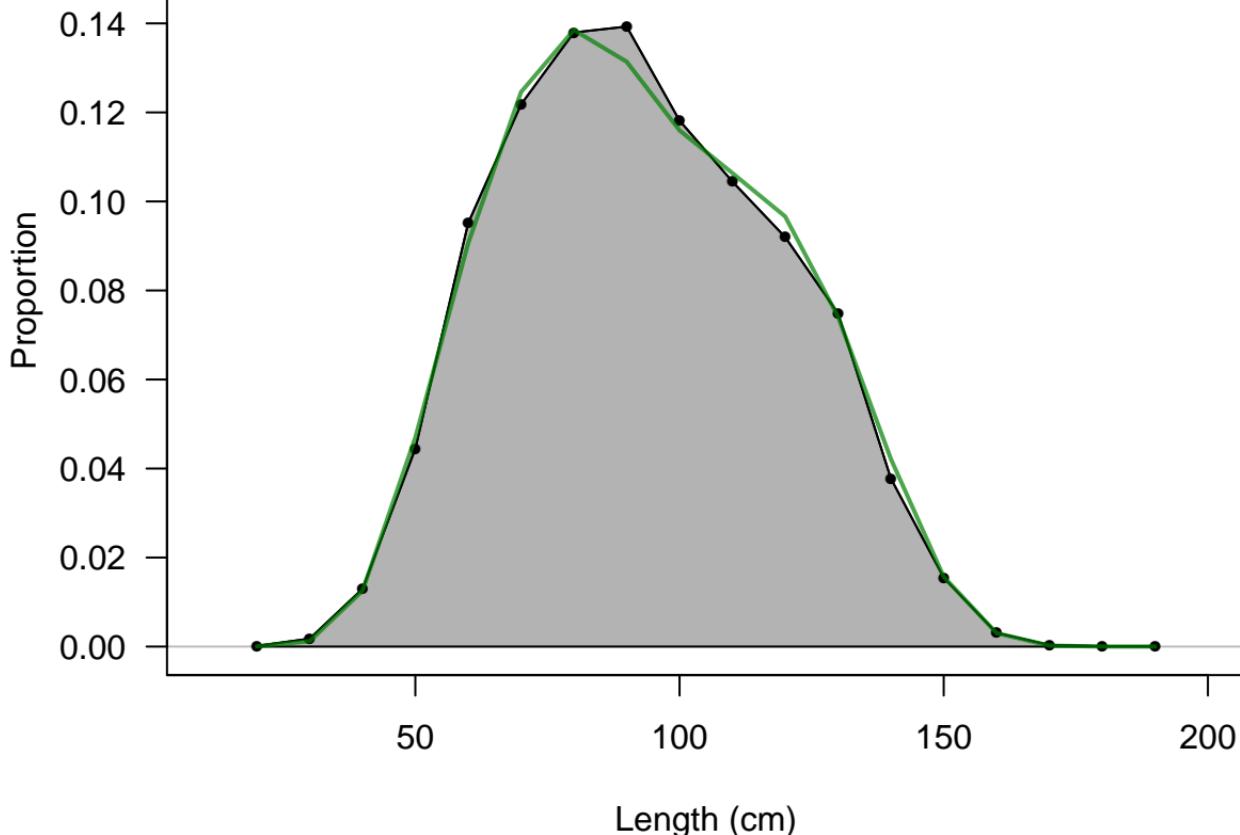


S1-PS_DEL_VAST (whole catch)

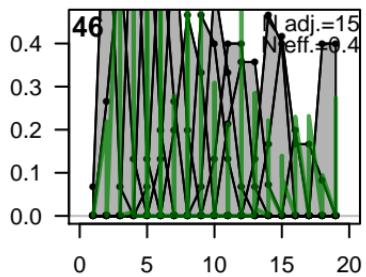


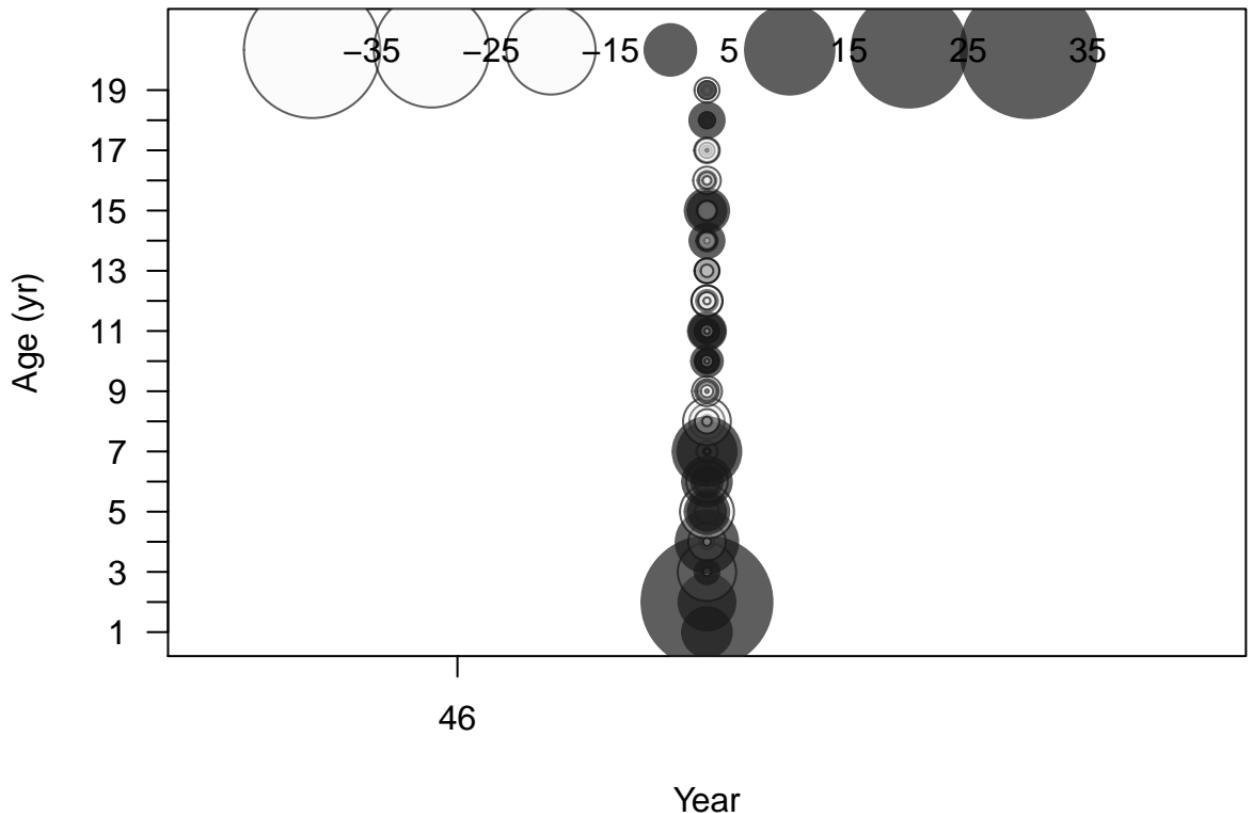
S1-PS_DEL_VAST

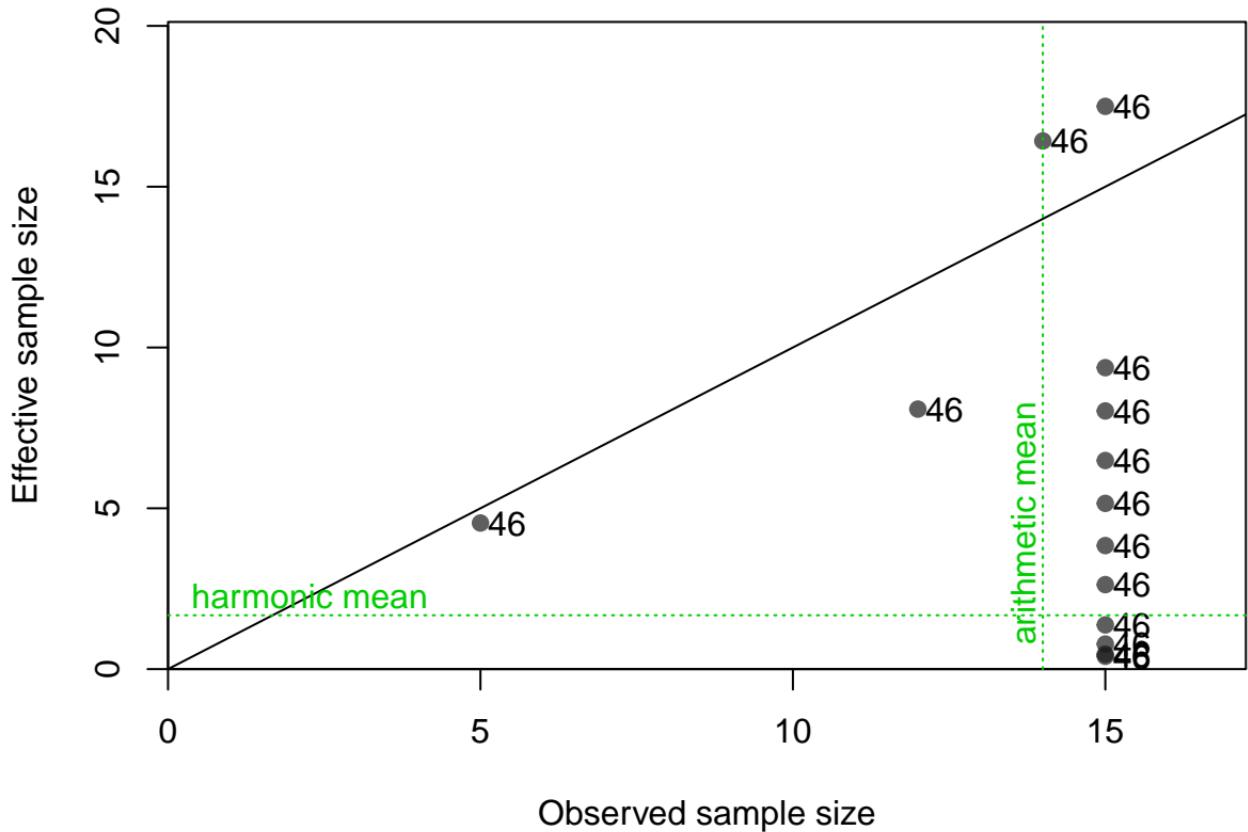
Sum of N adj.=1584.1
Sum of N eff.=8989.3



Proportion

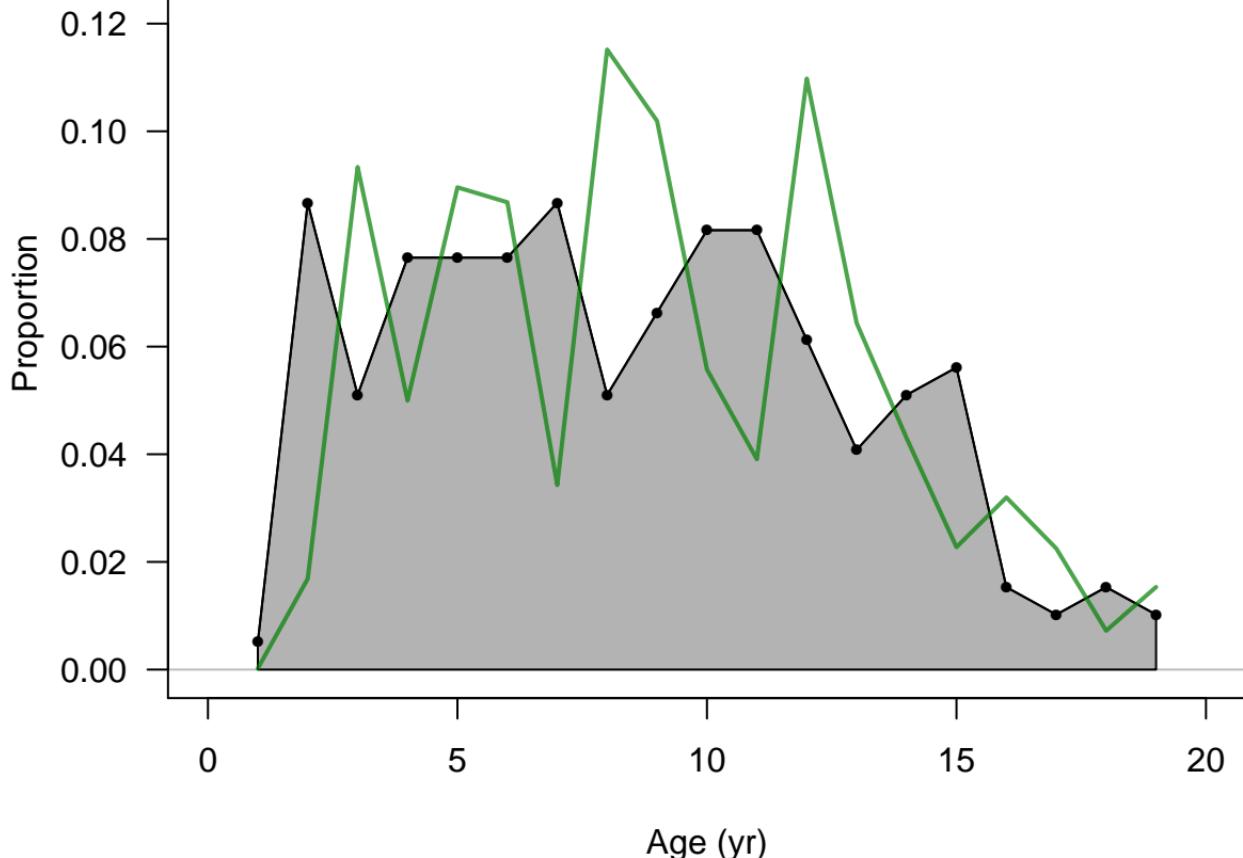


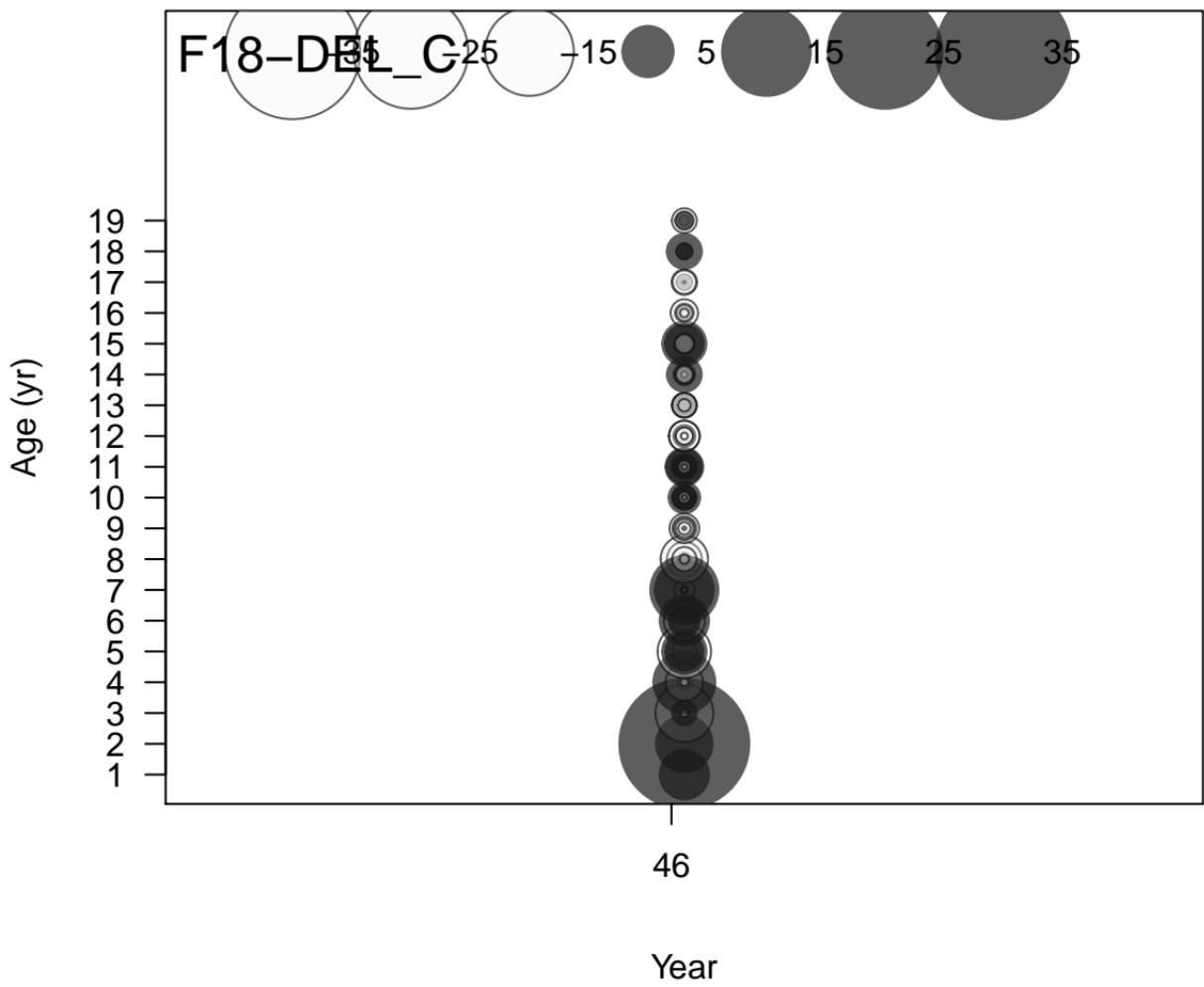


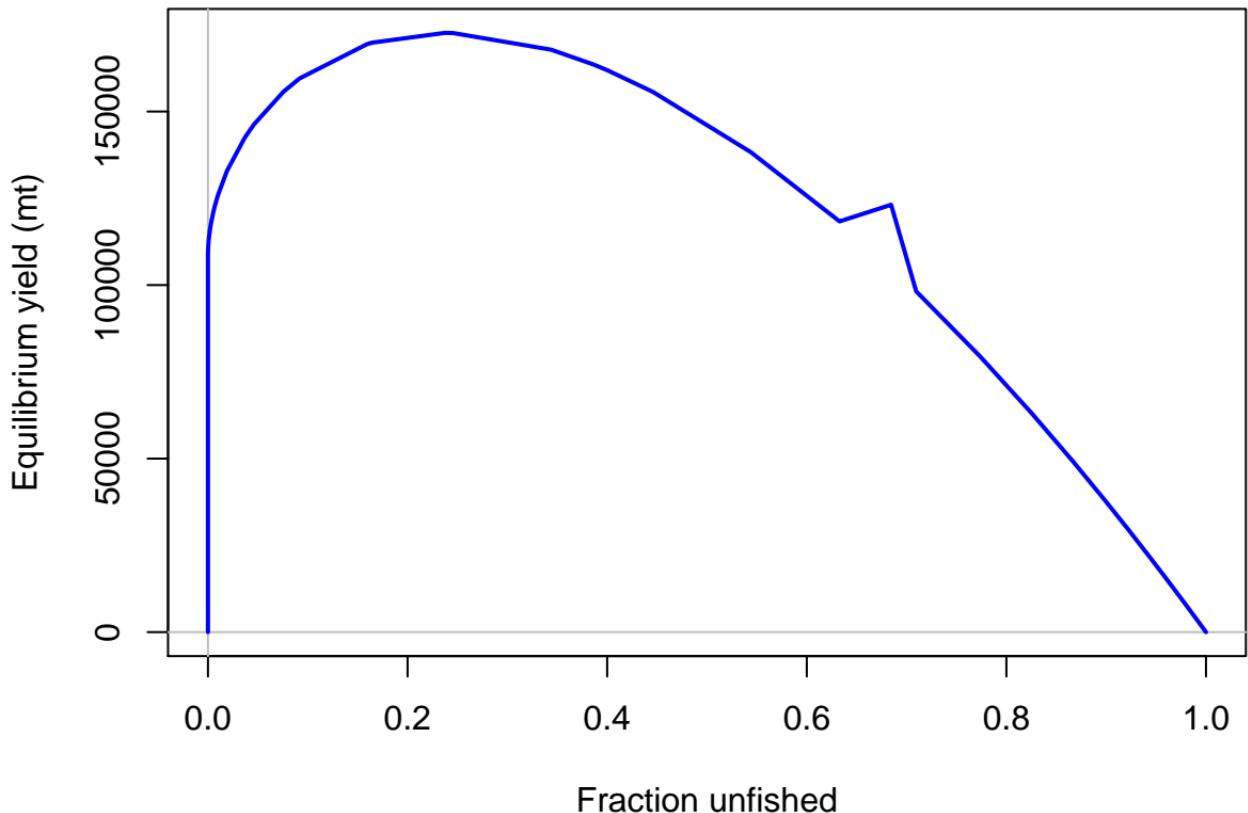


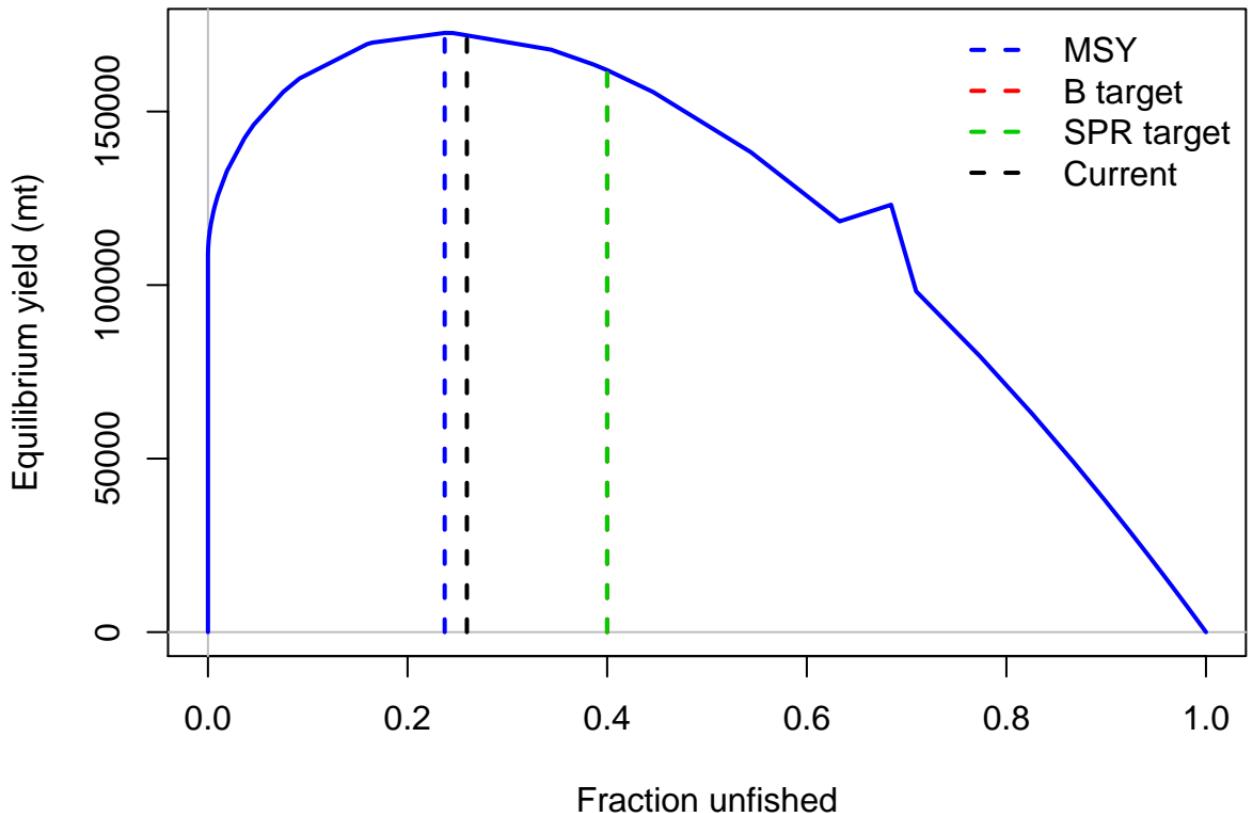
F18-DEL_C

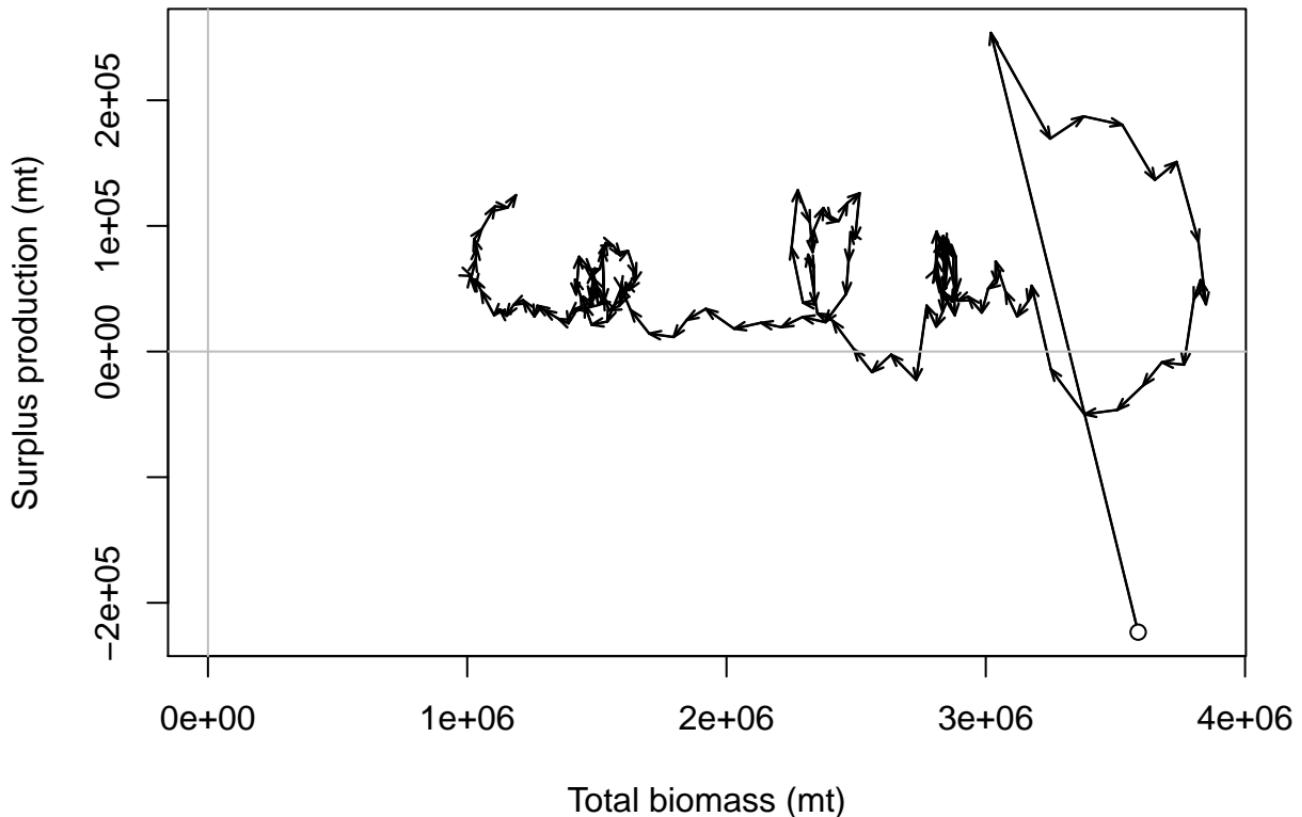
Sum of N adj.=196
Sum of N eff.=85.1

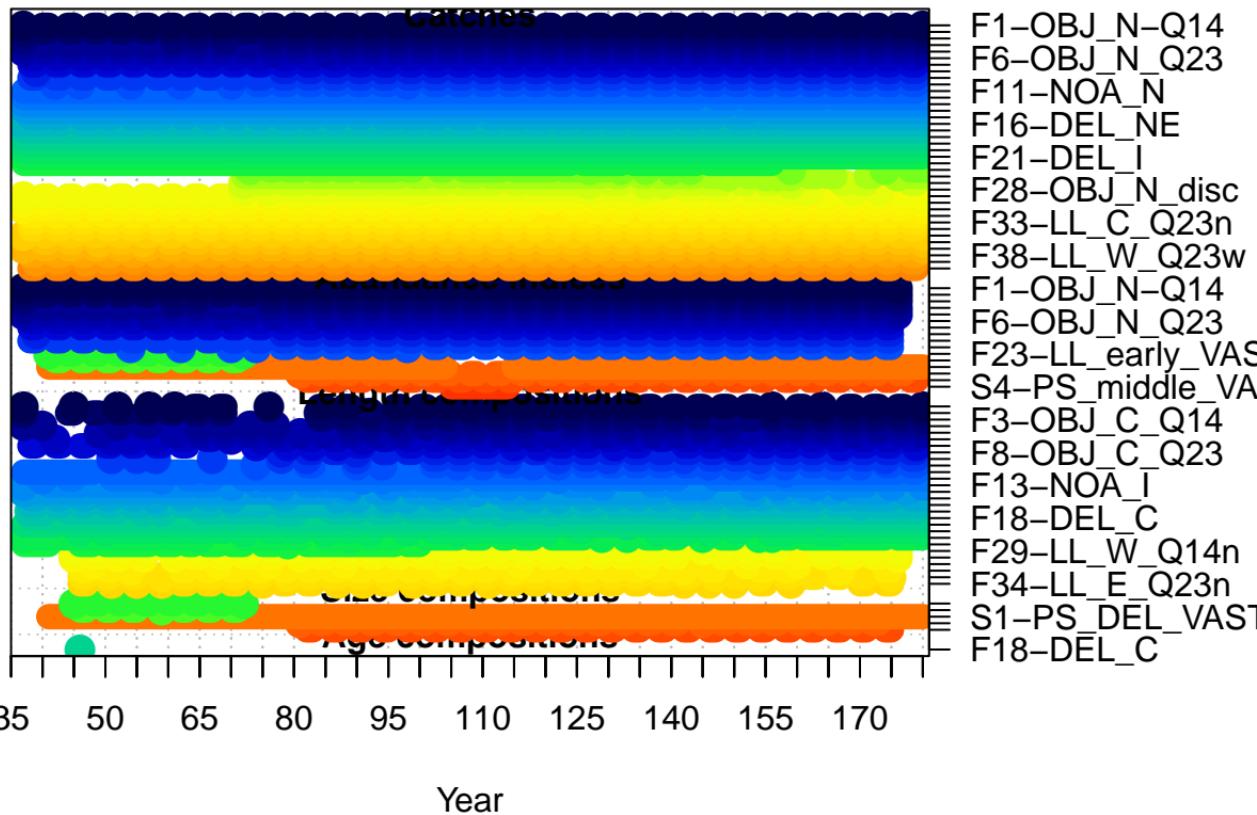


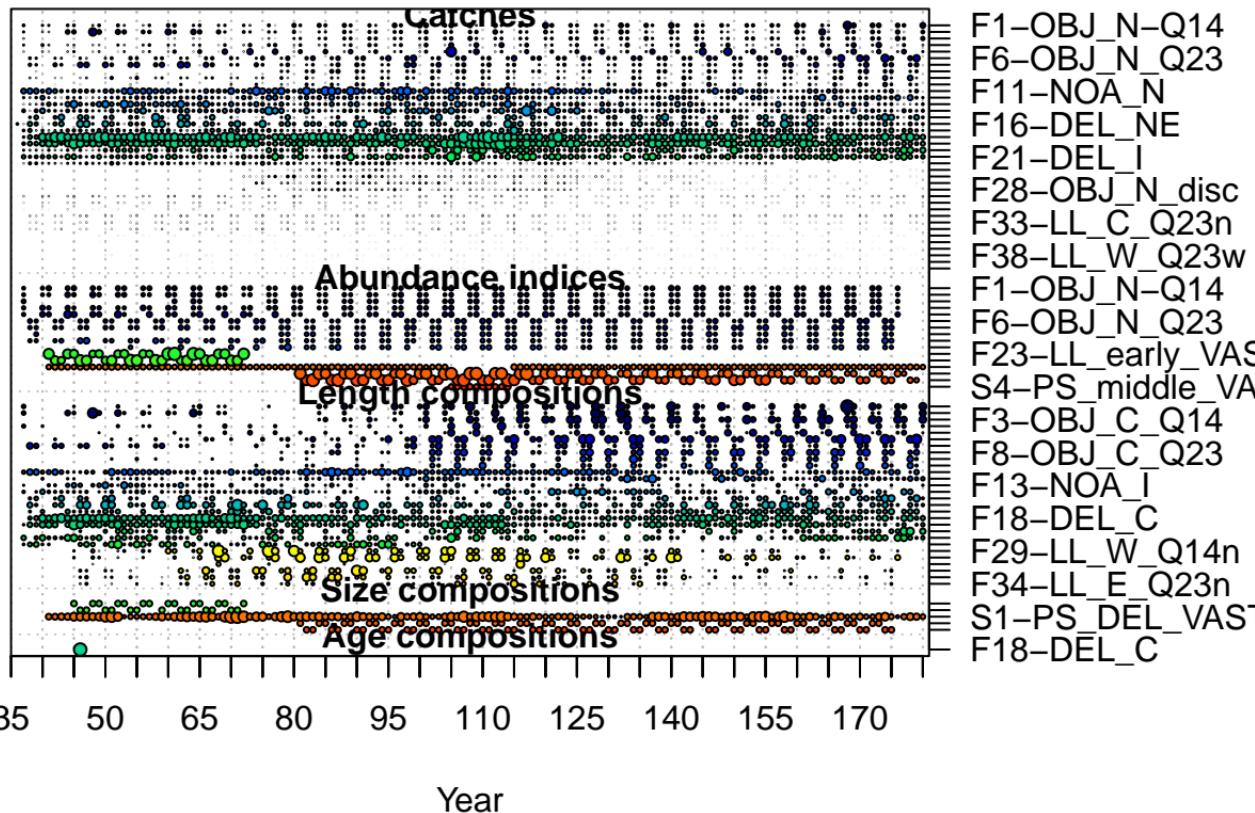






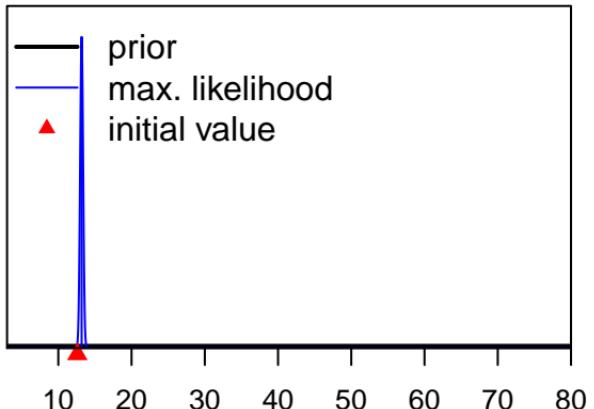




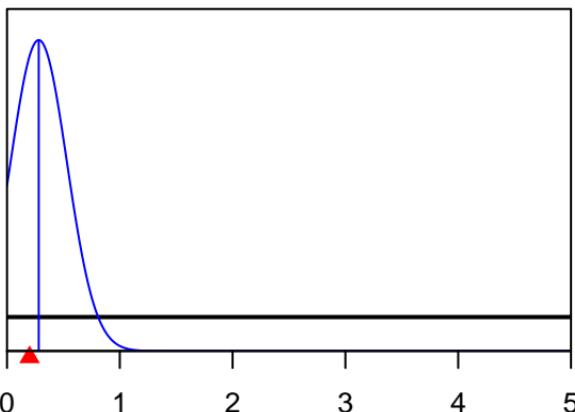


SR_LN(R0)

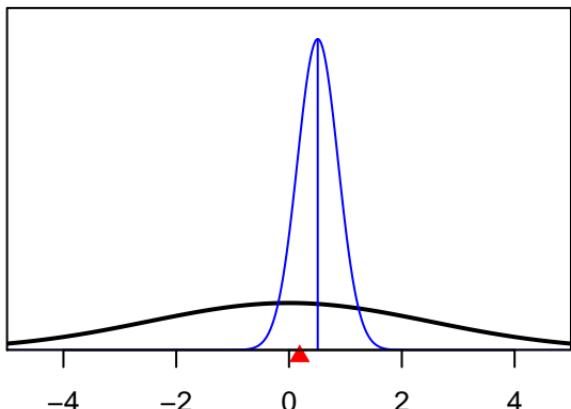
Density



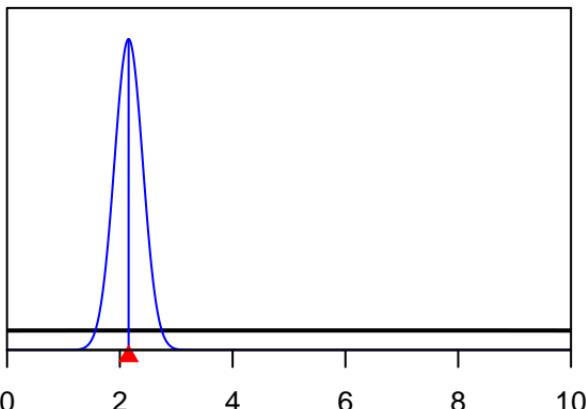
InitF_seas_1_flt_16F16-DEL_NE



SR_regime_BLK1add_36

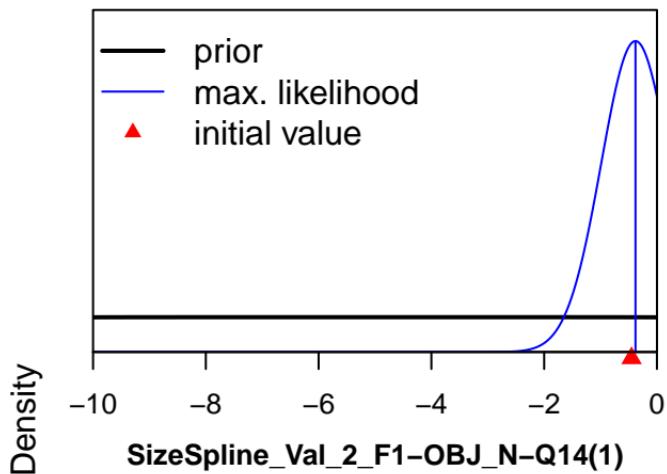


SizeSpline_GradLo_F1-OBJ_N-Q14(1)

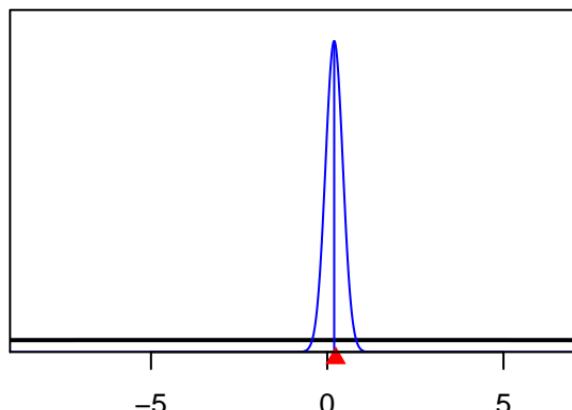


Parameter value

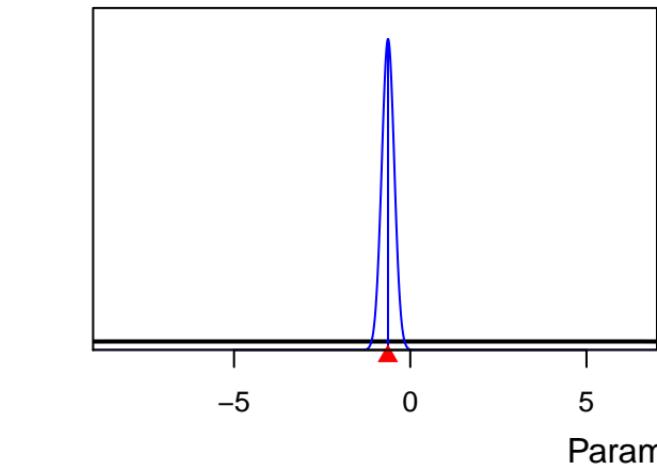
SizeSpline_GradHi_F1-OBJ_N-Q14(1)



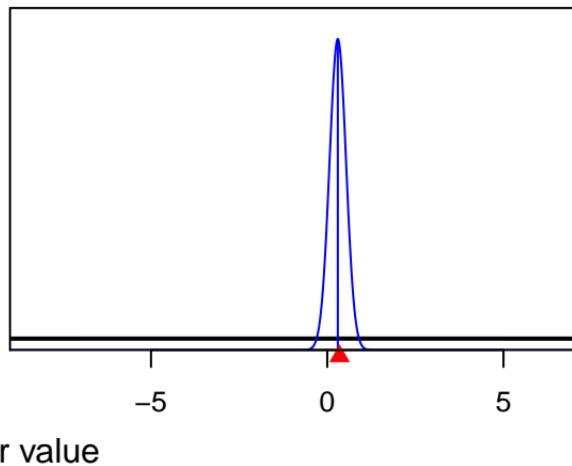
SizeSpline_Val_4_F1-OBJ_N-Q14(1)



SizeSpline_Val_2_F1-OBJ_N-Q14(1)

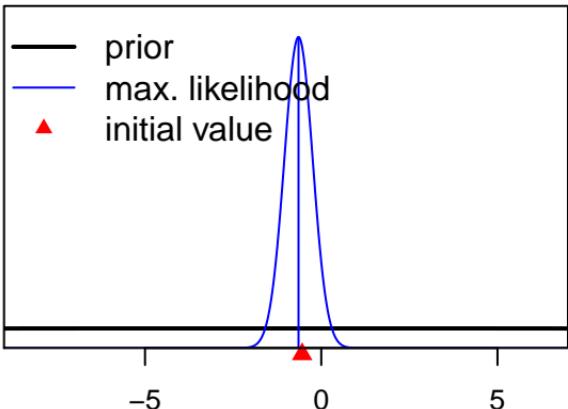


SizeSpline_Val_5_F1-OBJ_N-Q14(1)



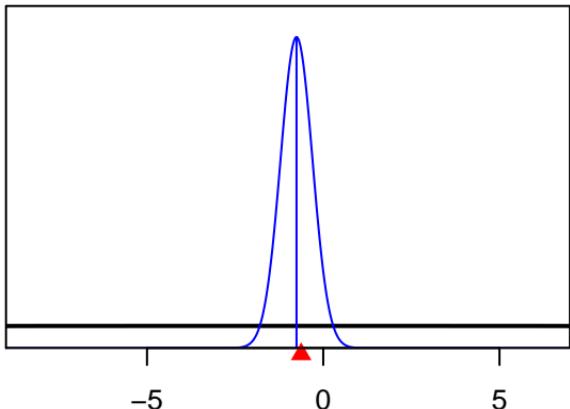
SizeSpline_Val_6_F1-OBJ_N-Q14(1)

Density



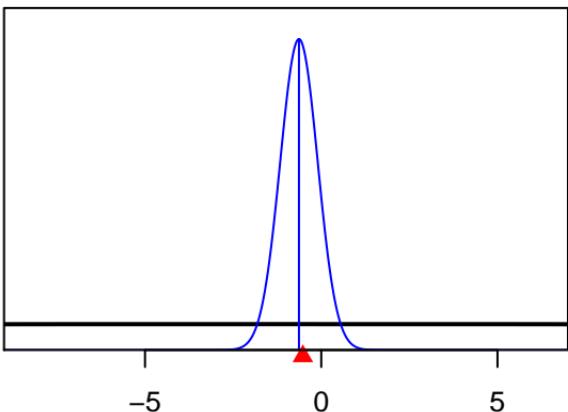
SizeSpline_Val_8_F1-OBJ_N-Q14(1)

Density

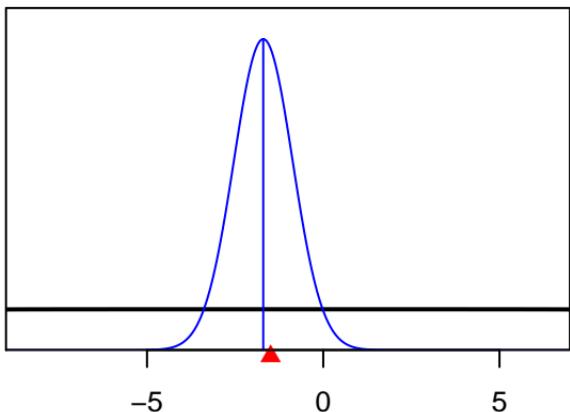


SizeSpline_Val_7_F1-OBJ_N-Q14(1)

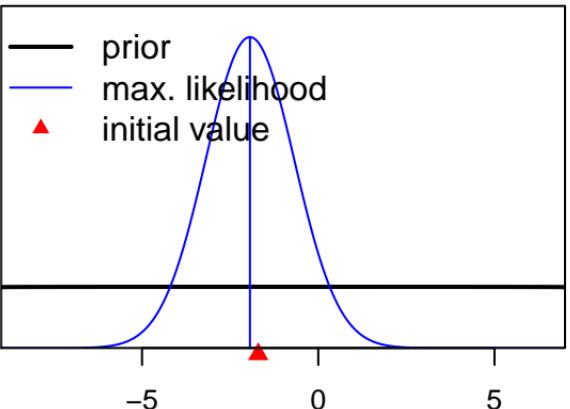
Parameter value



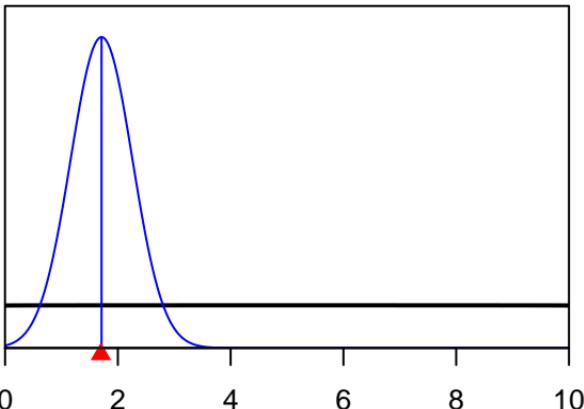
SizeSpline_Val_9_F1-OBJ_N-Q14(1)



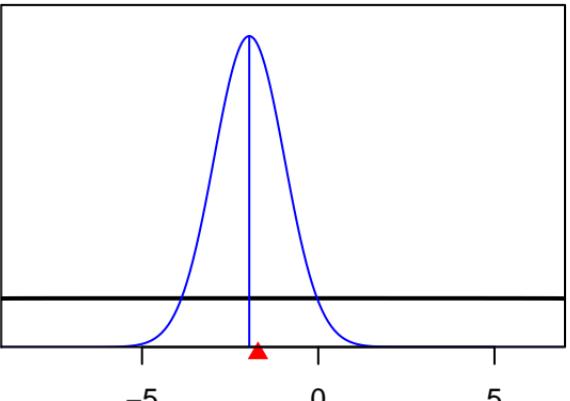
SizeSpline_Val_10_F1-OBJ_N-Q14(1)



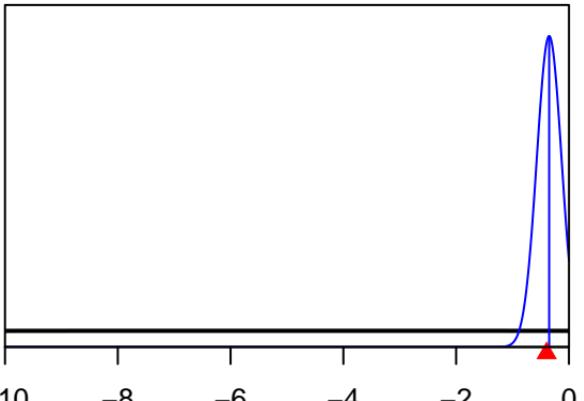
SizeSpline_GradLo_F2-OBJ_Nc_Q14(2)



SizeSpline_Val_11_F1-OBJ_N-Q14(1)

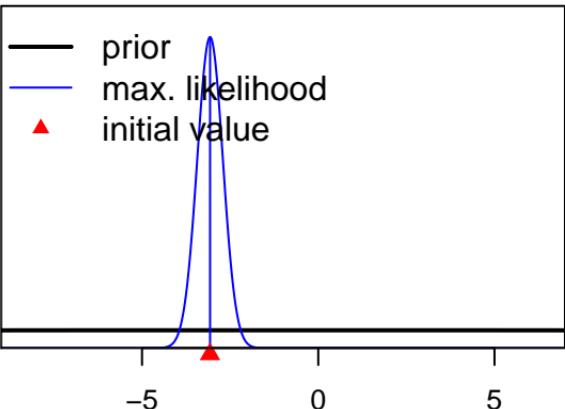


SizeSpline_GradHi_F2-OBJ_Nc_Q14(2)

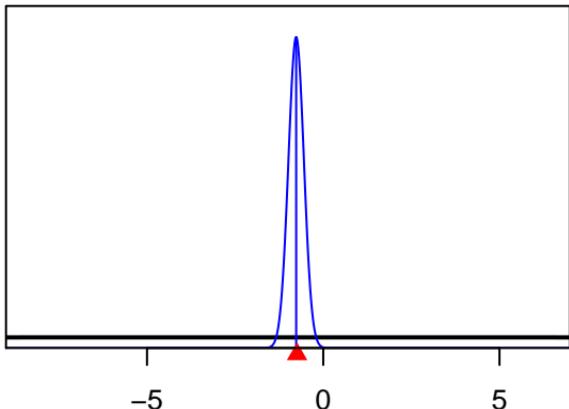


Parameter value

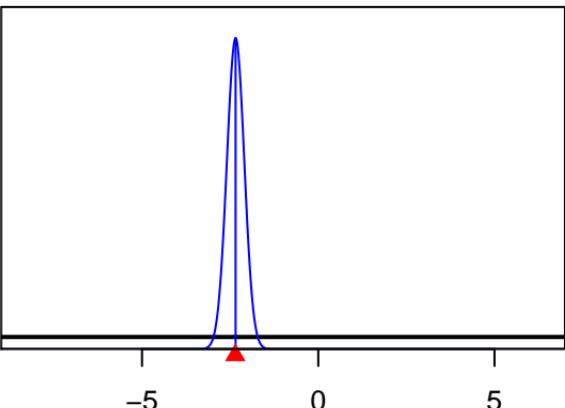
SizeSpline_Val_2_F2-OBJ_Nc_Q14(2)



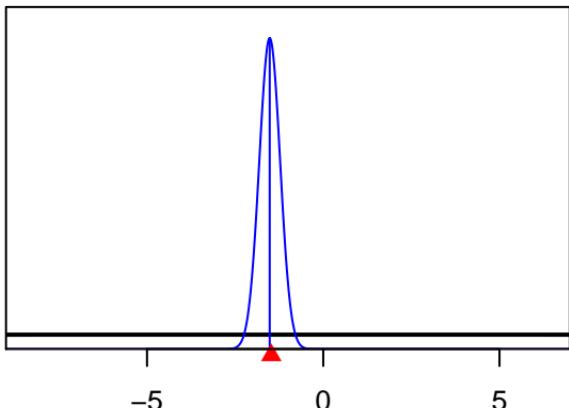
SizeSpline_Val_5_F2-OBJ_Nc_Q14(2)



SizeSpline_Val_3_F2-OBJ_Nc_Q14(2)



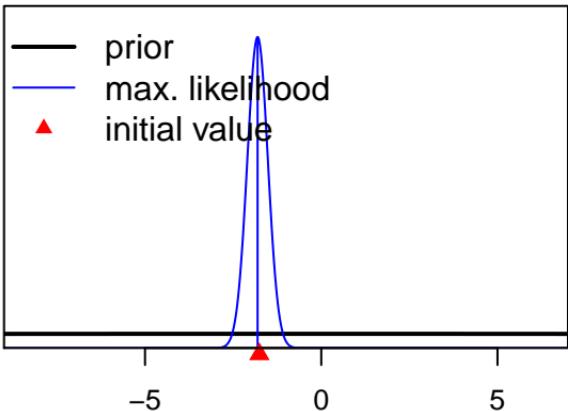
SizeSpline_Val_6_F2-OBJ_Nc_Q14(2)



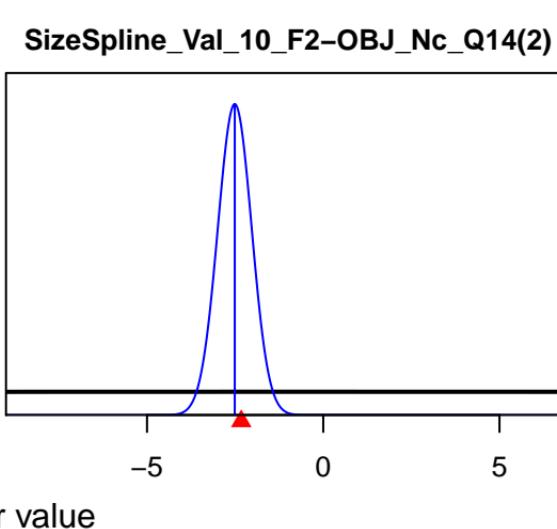
Parameter value

SizeSpline_Val_7_F2-OBJ_Nc_Q14(2)

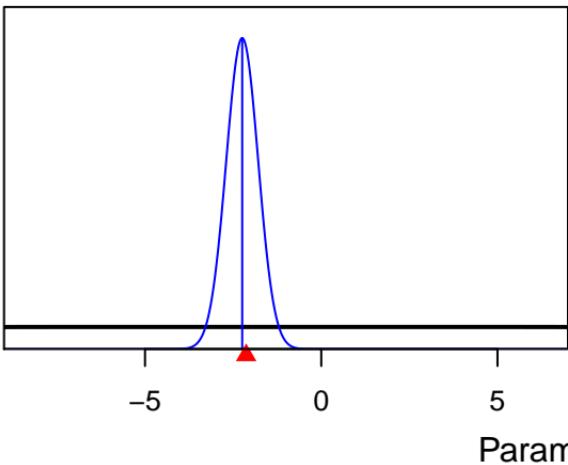
Density



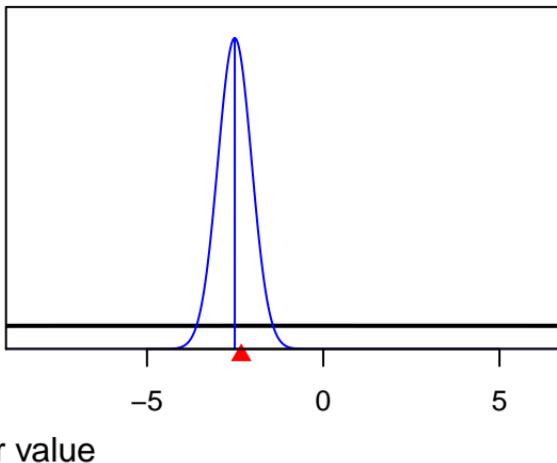
SizeSpline_Val_9_F2-OBJ_Nc_Q14(2)



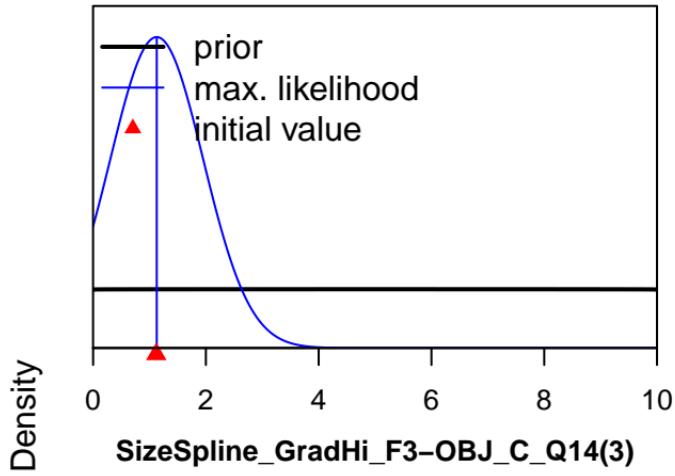
SizeSpline_Val_8_F2-OBJ_Nc_Q14(2)



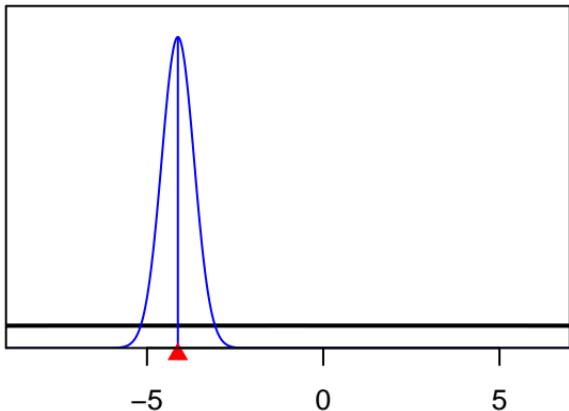
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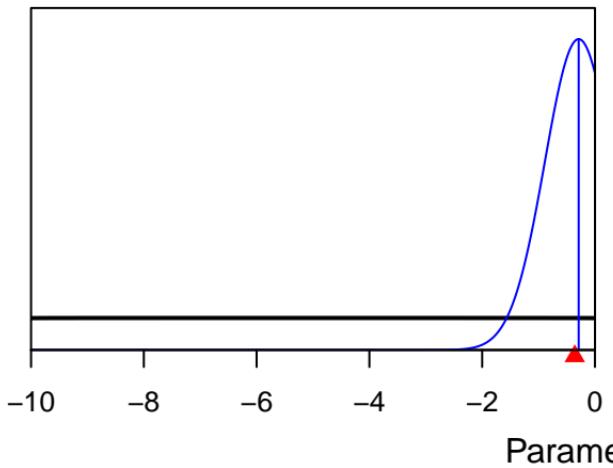
SizeSpline_GradLo_F3-OBJ_C_Q14(3)



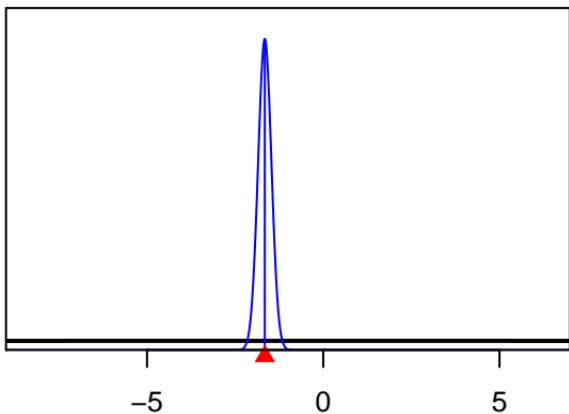
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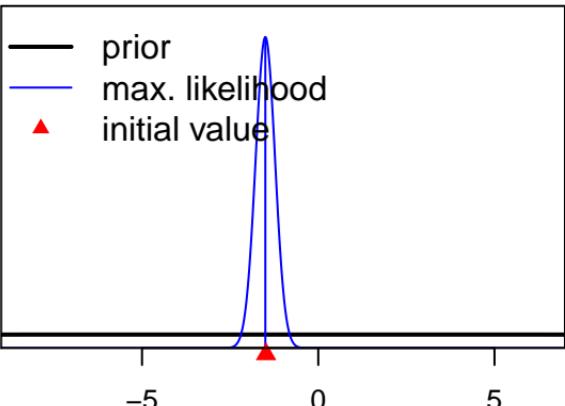
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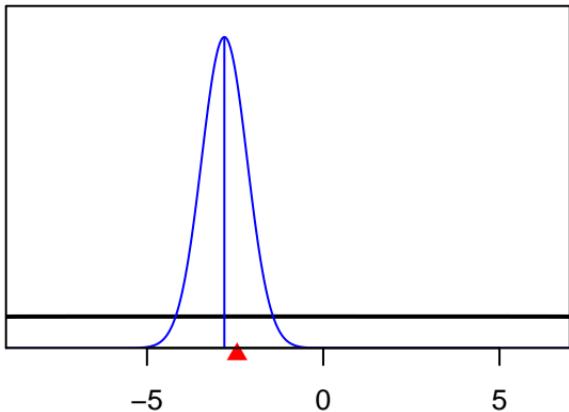
SizeSpline_Val_4_F3-OBJ_C_Q14(3)



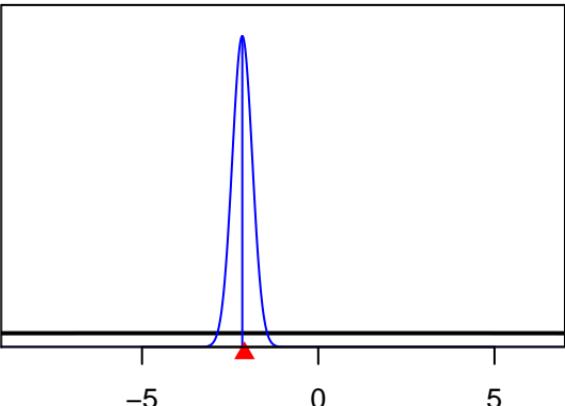
SizeSpline_Val_5_F3-OBJ_C_Q14(3)



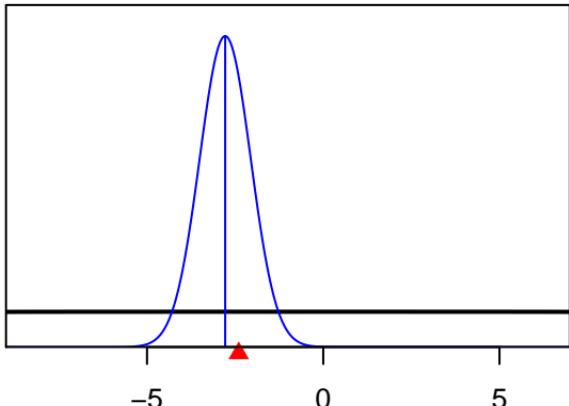
SizeSpline_Val_7_F3-OBJ_C_Q14(3)



SizeSpline_Val_6_F3-OBJ_C_Q14(3)

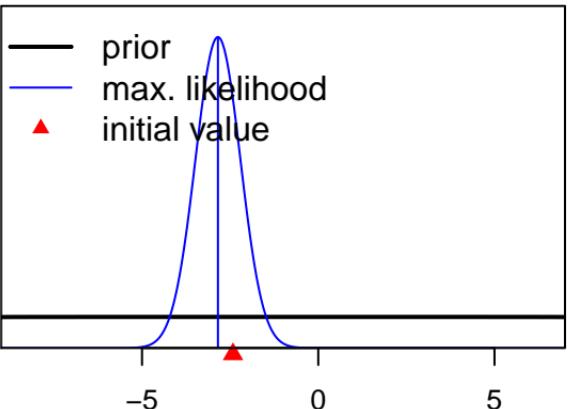


SizeSpline_Val_8_F3-OBJ_C_Q14(3)

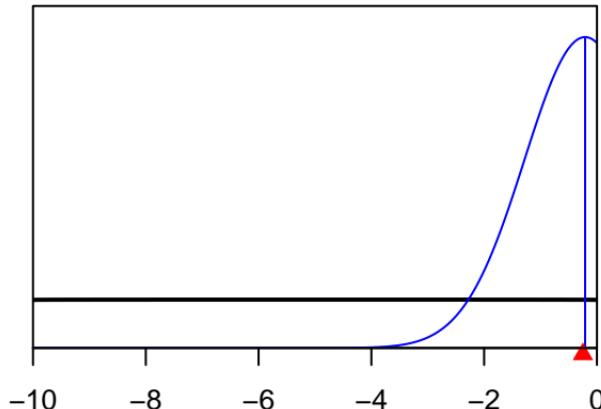


Parameter value

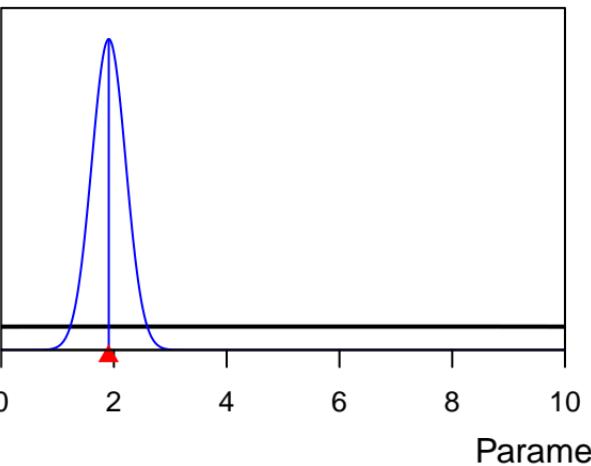
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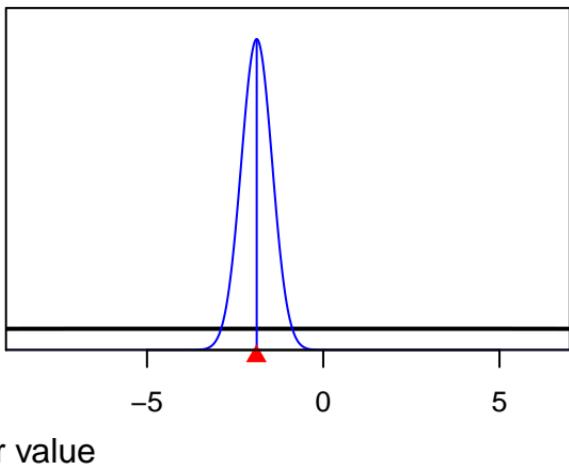
SizeSpline_GradHi_F4-OBJ_Cc_Q14(4)



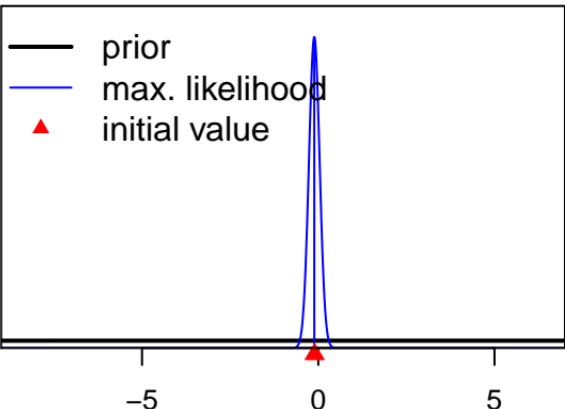
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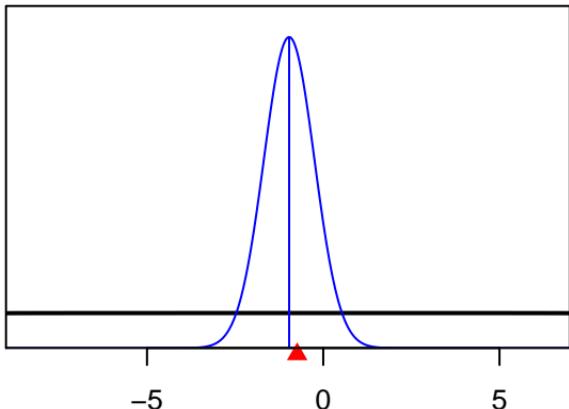
SizeSpline_Val_2_F4-OBJ_Cc_Q14(4)



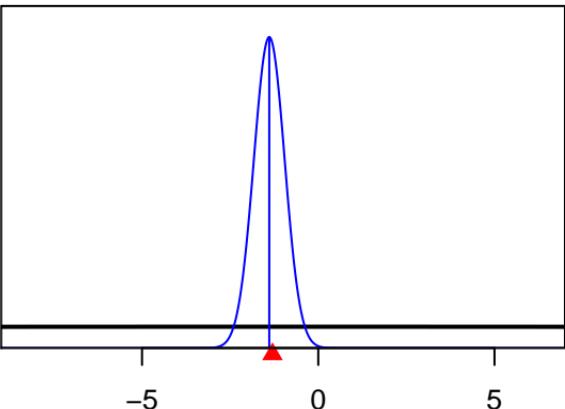
SizeSpline_Val_4_F4-OBJ_Cc_Q14(4)



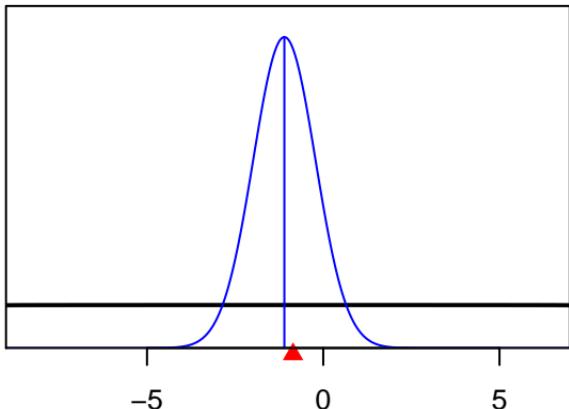
SizeSpline_Val_6_F4-OBJ_Cc_Q14(4)



SizeSpline_Val_5_F4-OBJ_Cc_Q14(4)



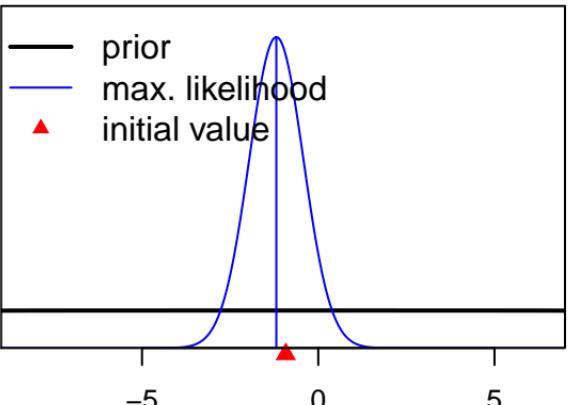
SizeSpline_Val_7_F4-OBJ_Cc_Q14(4)



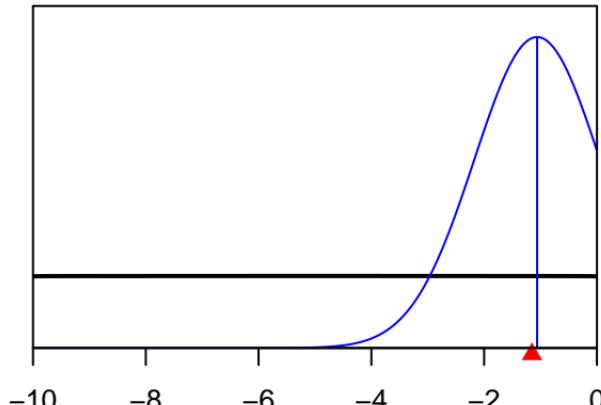
Parameter value

Density

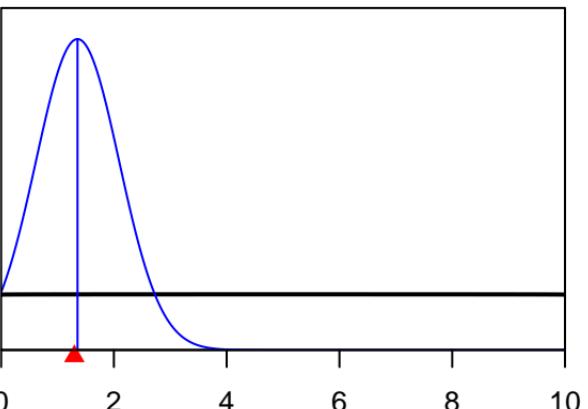
SizeSpline_Val_8_F4-OBJ_Cc_Q14(4)



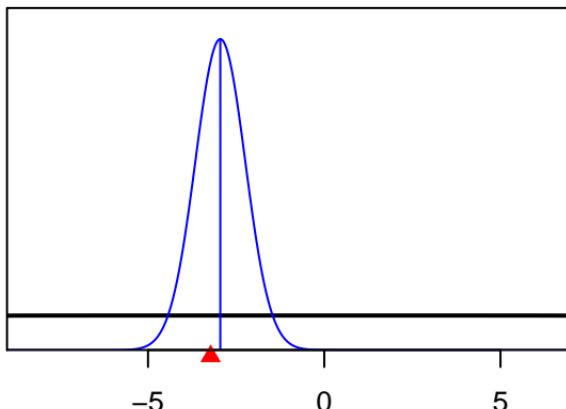
SizeSpline_GradHi_F5-OBJ_S_Q14(5)



SizeSpline_GradLo_F5-OBJ_S_Q14(5)



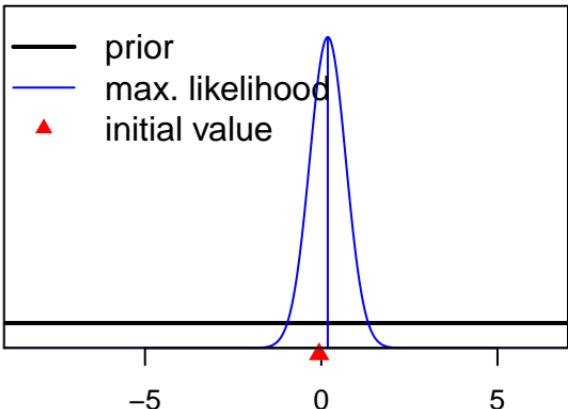
SizeSpline_Val_2_F5-OBJ_S_Q14(5)



Parameter value

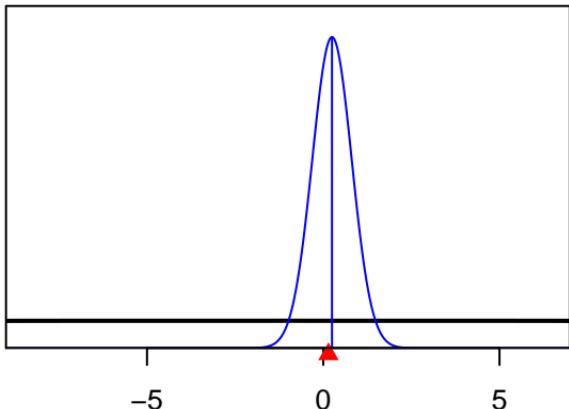
SizeSpline_Val_3_F5-OBJ_S_Q14(5)

Density

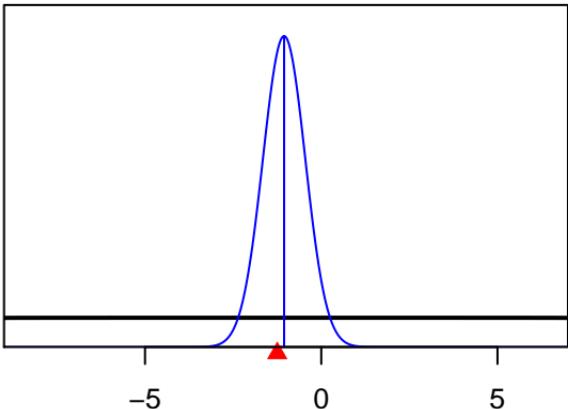


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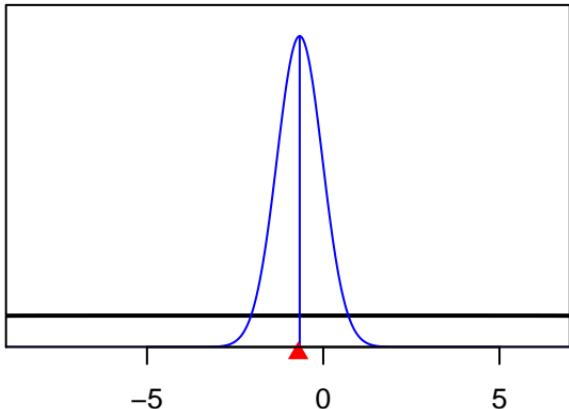
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SizeSpline_Val_4_F5-OBJ_S_Q14(5)

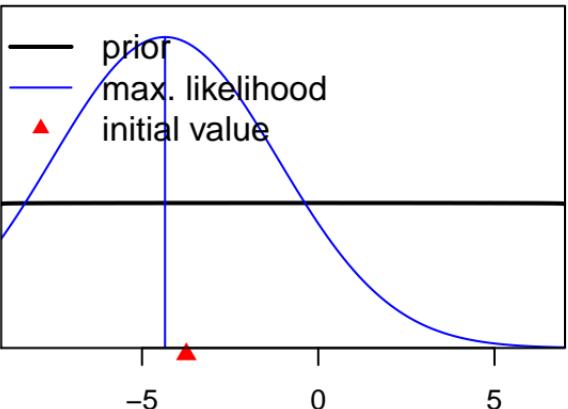


SizeSpline_Val_6_F5-OBJ_S_Q14(5)

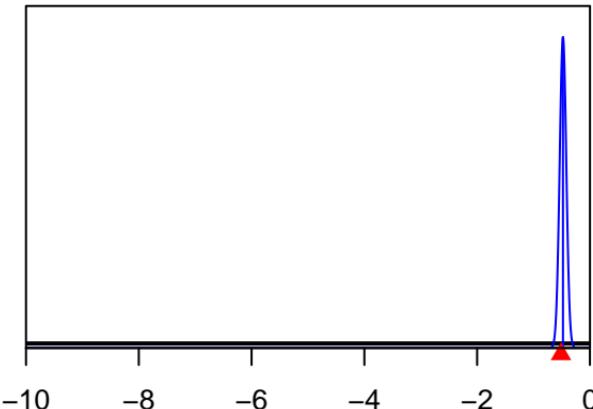


Parameter value

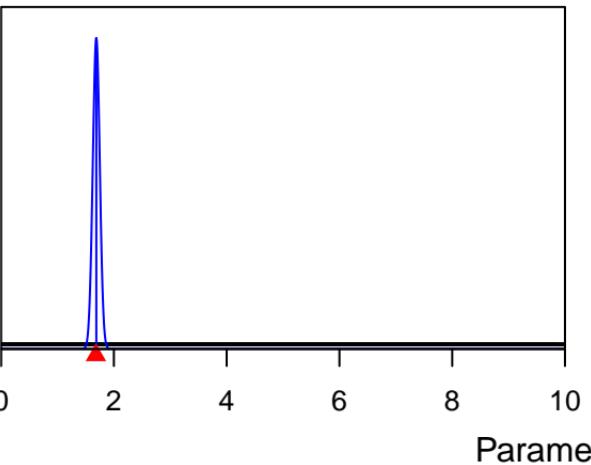
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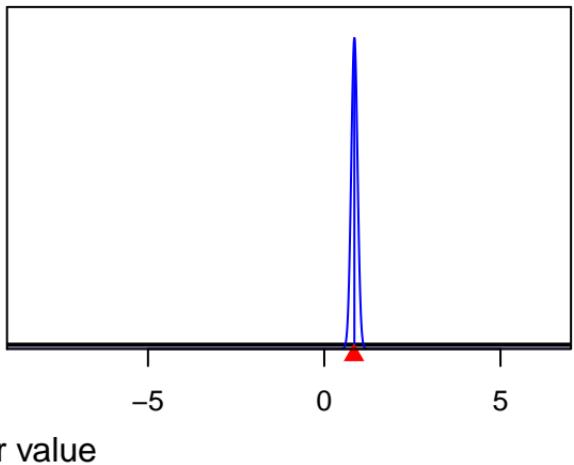
SizeSpline_GradHi_F6-OBJ_N_Q23(6)



SizeSpline_GradLo_F6-OBJ_N_Q23(6)

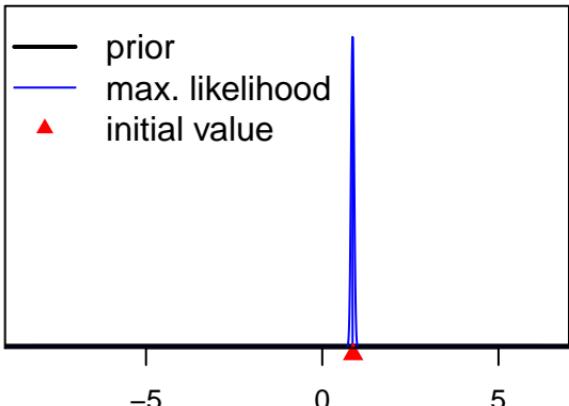


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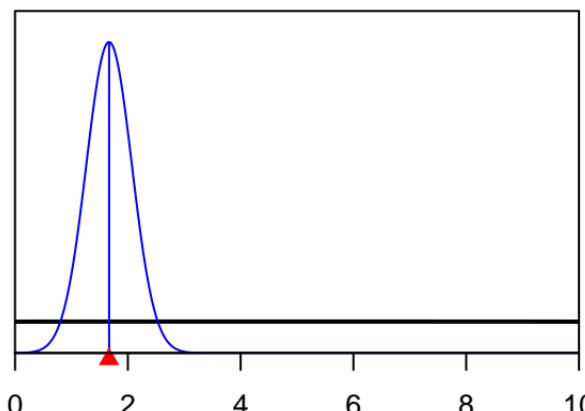


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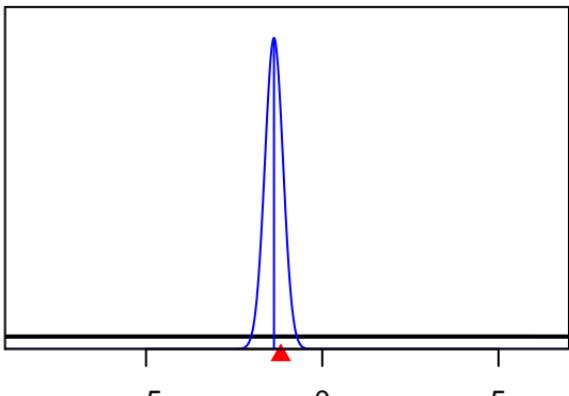
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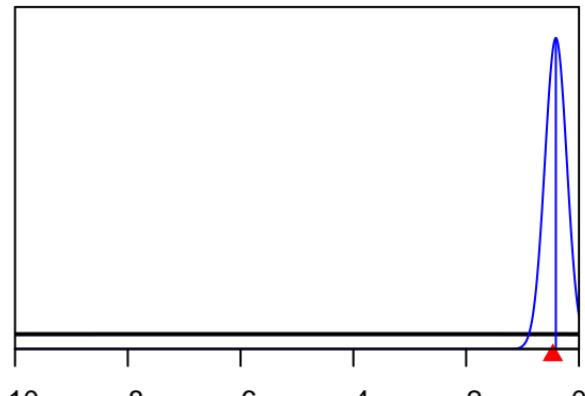
SizeSpline_GradLo_F7-OBJ_Nc_Q23(7)



SizeSpline_Val_5_F6-OBJ_N_Q23(6)

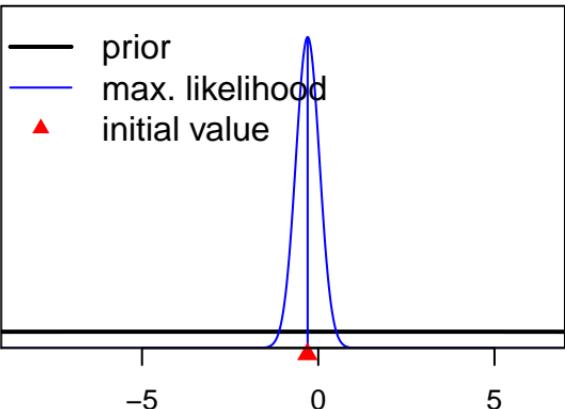


SizeSpline_GradHi_F7-OBJ_Nc_Q23(7)

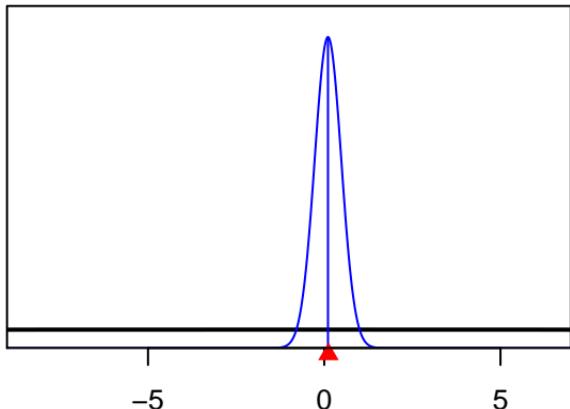


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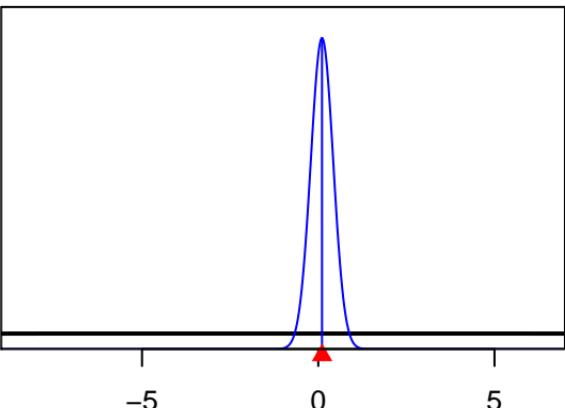
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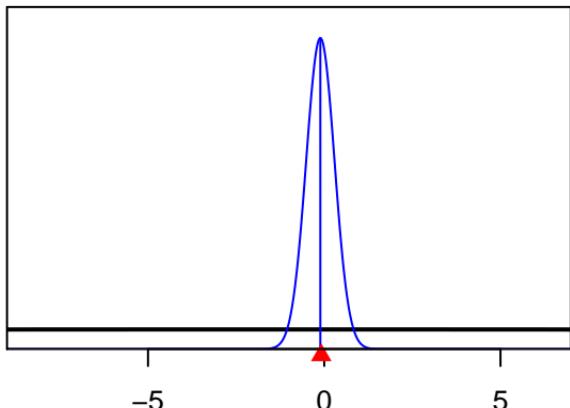
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SizeSpline_Val_4_F7-OBJ_Nc_Q23(7)

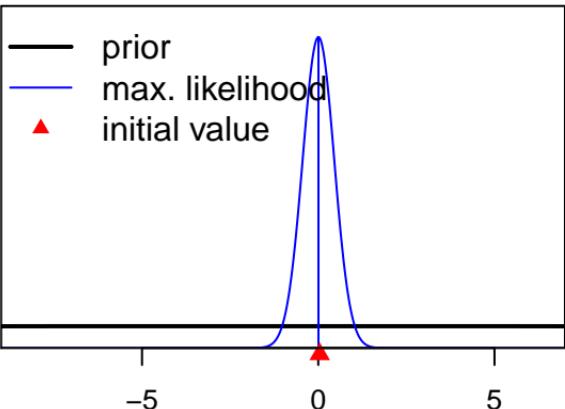


SizeSpline_Val_6_F7-OBJ_Nc_Q23(7)

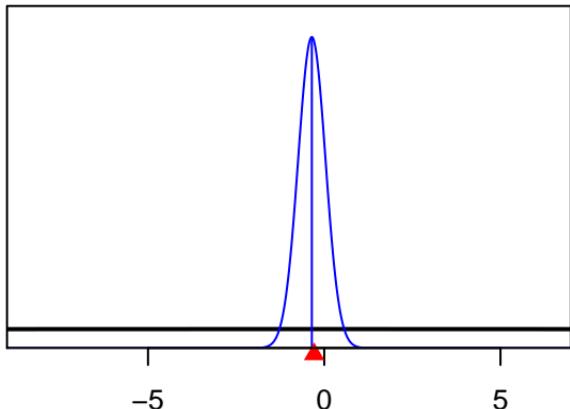


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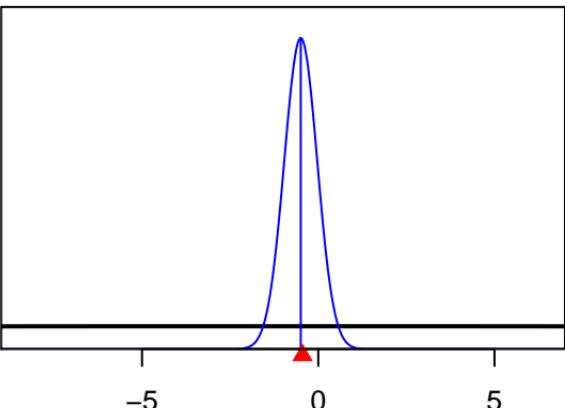
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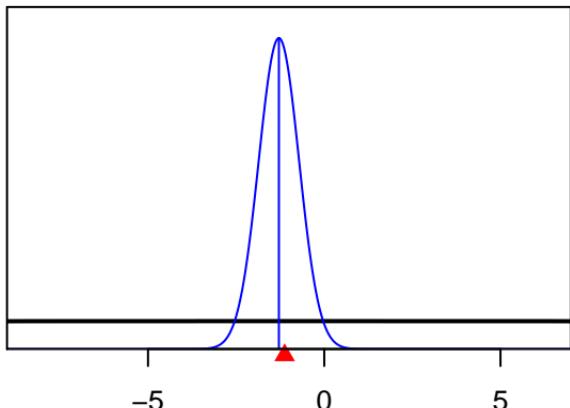
SizeSpline_Val_9_F7-OBJ_Nc_Q23(7)



SizeSpline_Val_8_F7-OBJ_Nc_Q23(7)

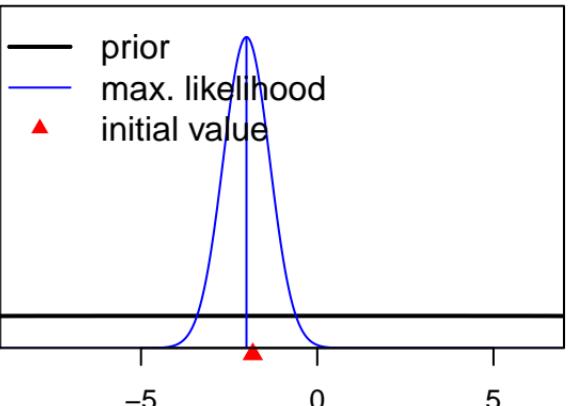


SizeSpline_Val_10_F7-OBJ_Nc_Q23(7)

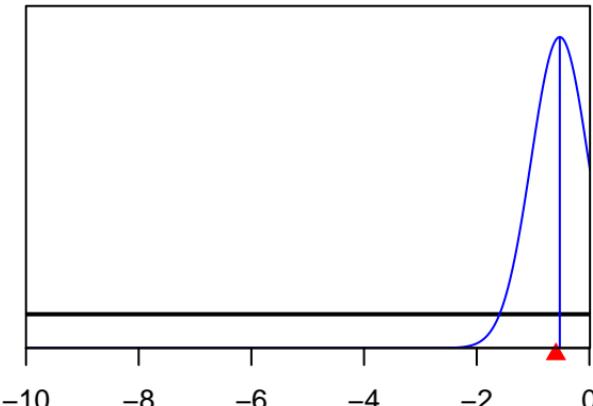


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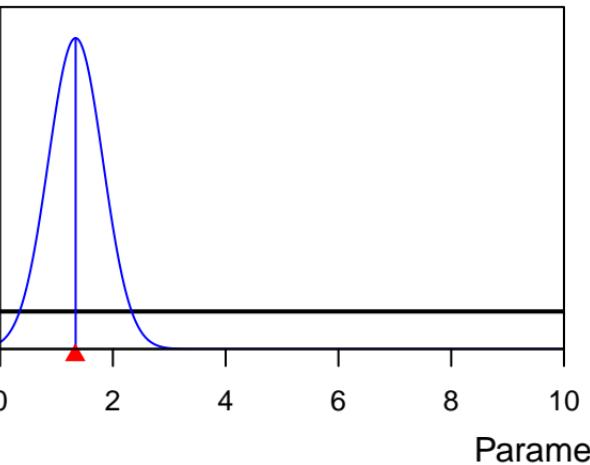
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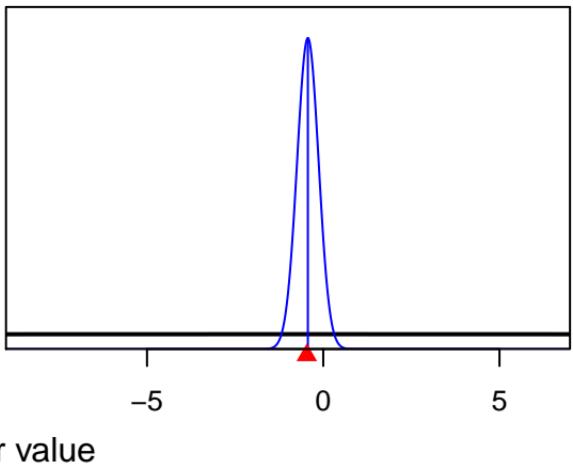
SizeSpline_GradHi_F8-OBJ_C_Q23(8)



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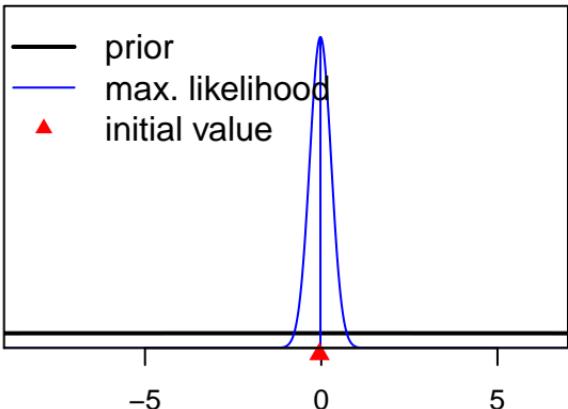


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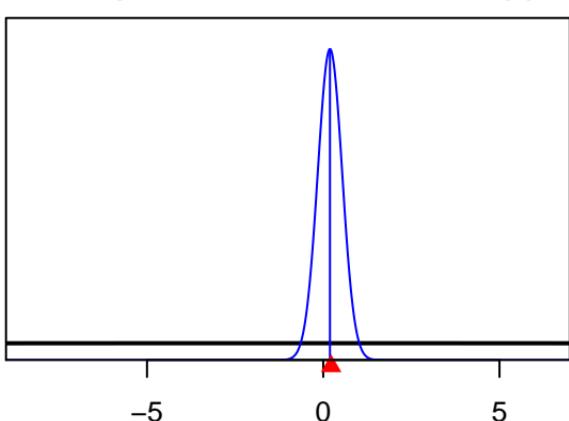


SizeSpline_Val_3_F8-OBJ_C_Q23(8)

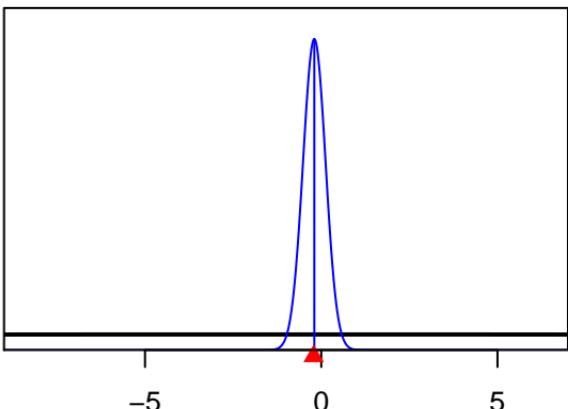
Density



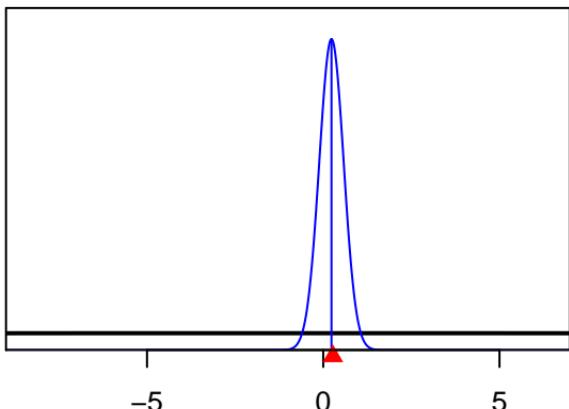
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SizeSpline_Val_4_F8-OBJ_C_Q23(8)

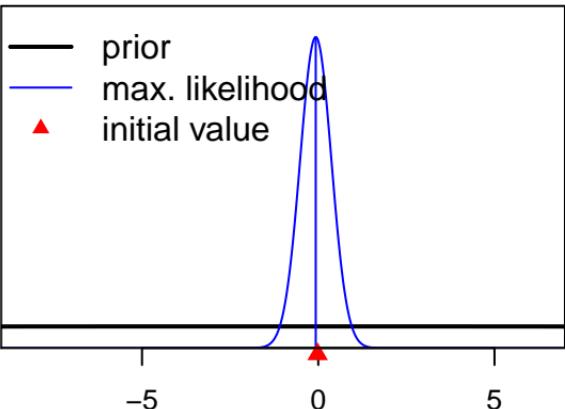


SizeSpline_Val_7_F8-OBJ_C_Q23(8)

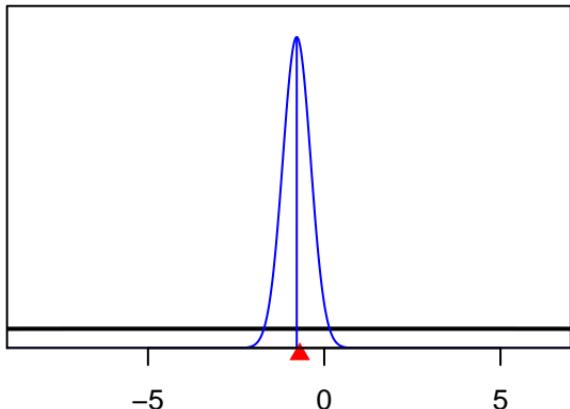


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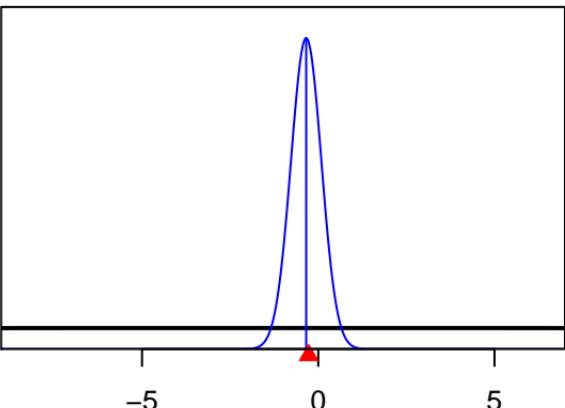
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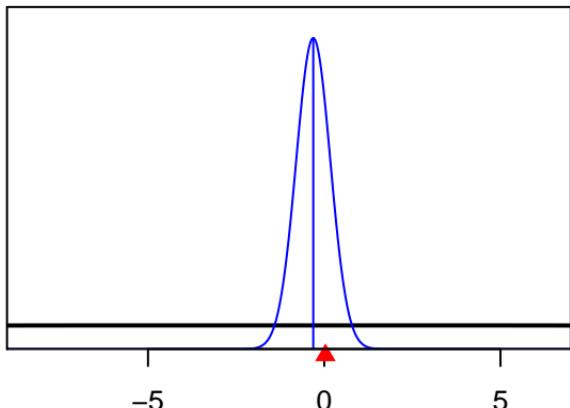
SizeSpline_Val_10_F8-OBJ_C_Q23(8)



SizeSpline_Val_9_F8-OBJ_C_Q23(8)

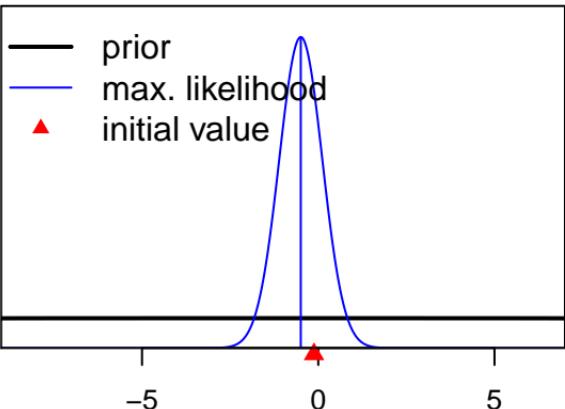


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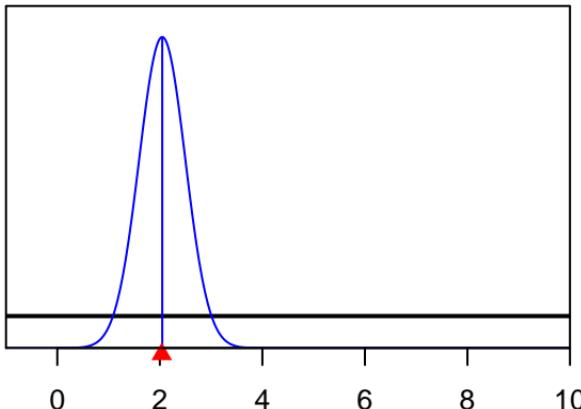


Parameter value

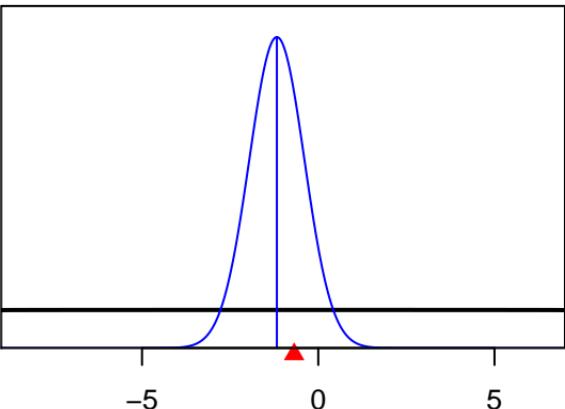
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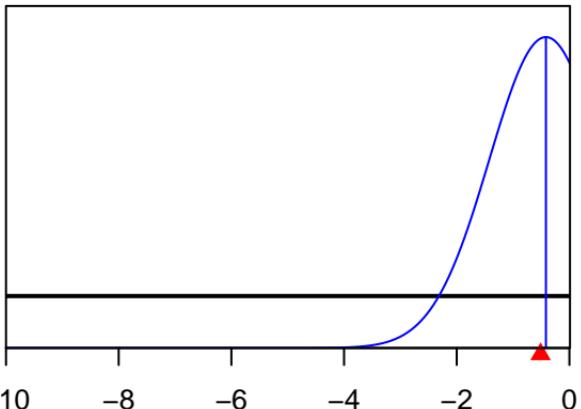
SizeSpline_GradLo_F9-OBJ_Cc_Q23(9)



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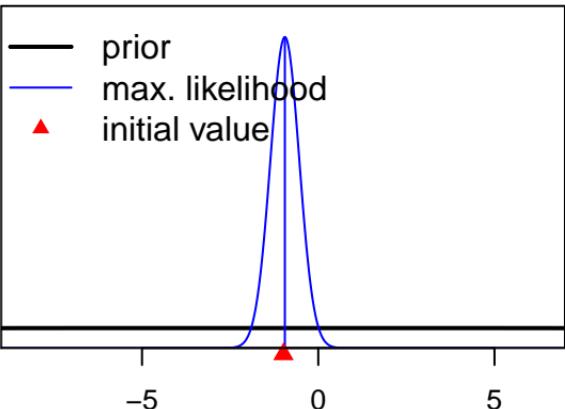


SizeSpline_GradHi_F9-OBJ_Cc_Q23(9)

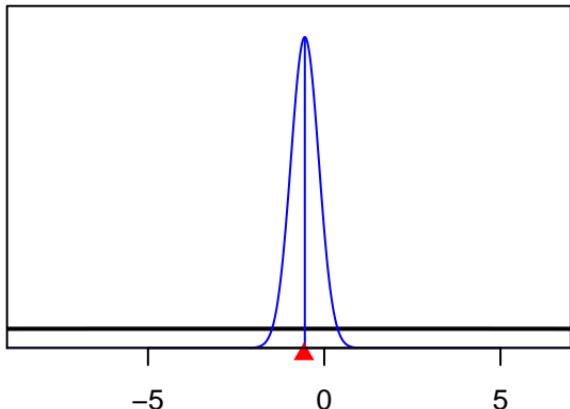


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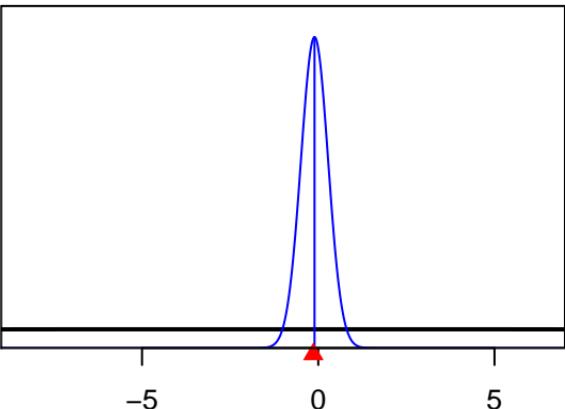
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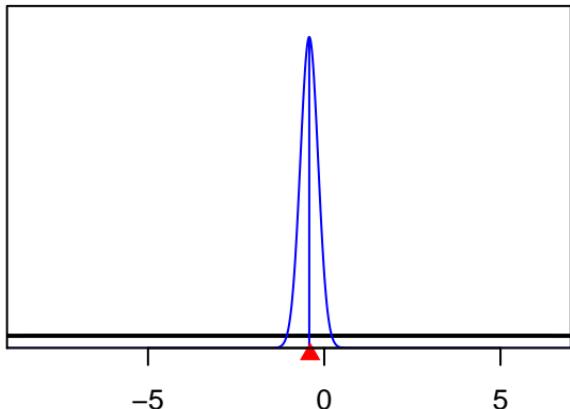
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SizeSpline_Val_3_F9-OBJ_Cc_Q23(9)

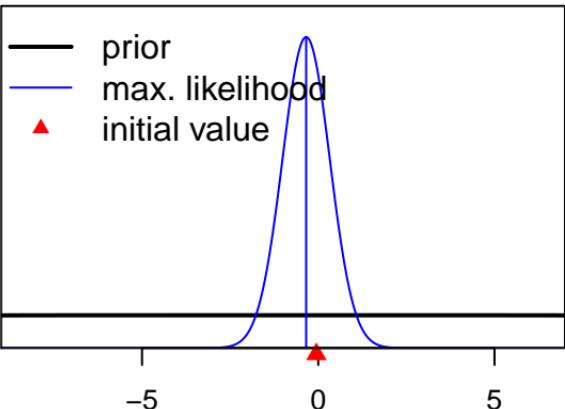


SizeSpline_Val_6_F9-OBJ_Cc_Q23(9)

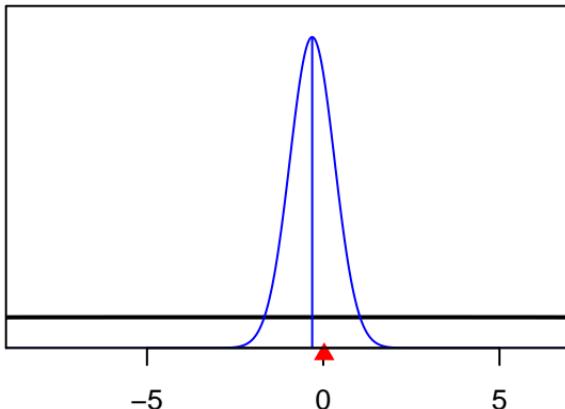


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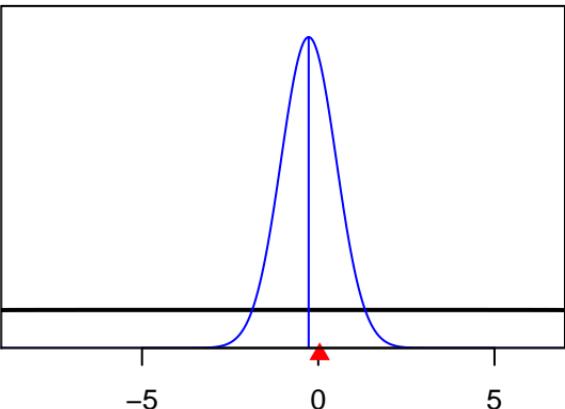
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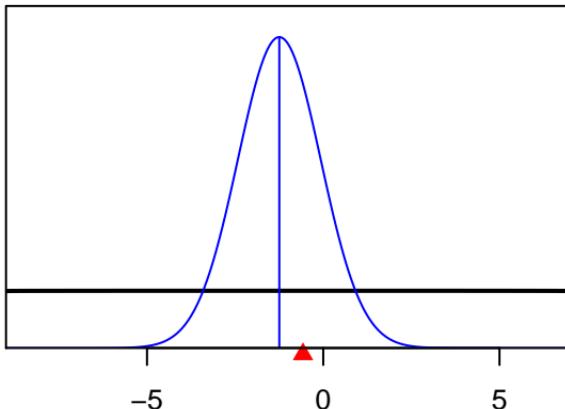
SizeSpline_Val_9_F9-OBJ_Cc_Q23(9)



SizeSpline_Val_8_F9-OBJ_Cc_Q23(9)

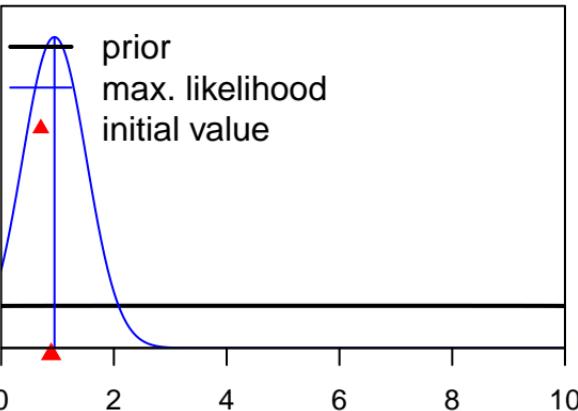


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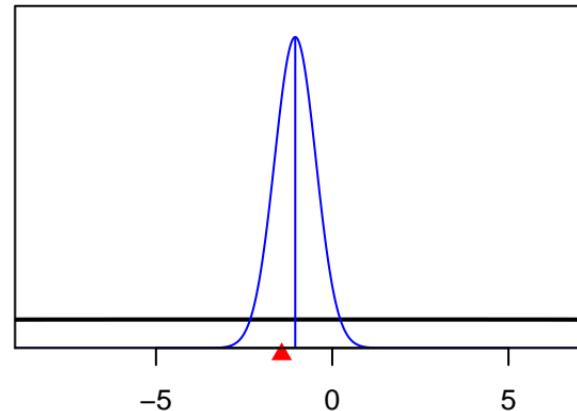


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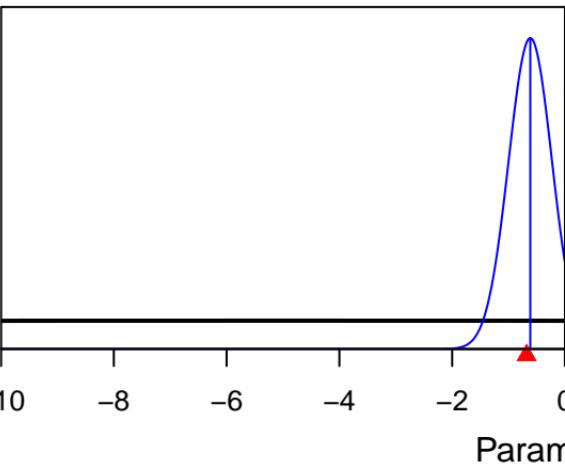
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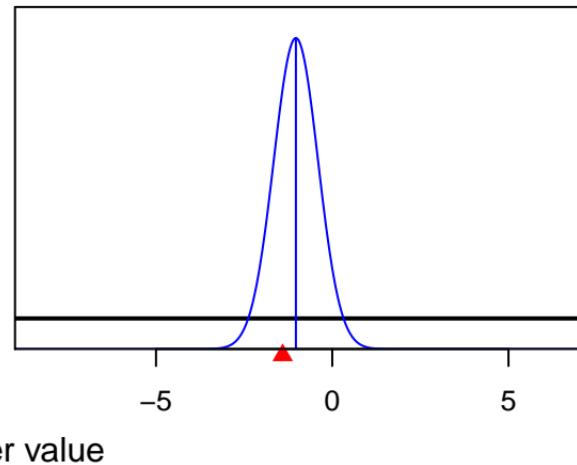
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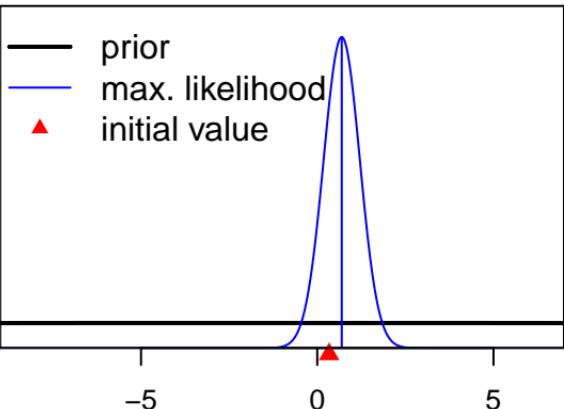
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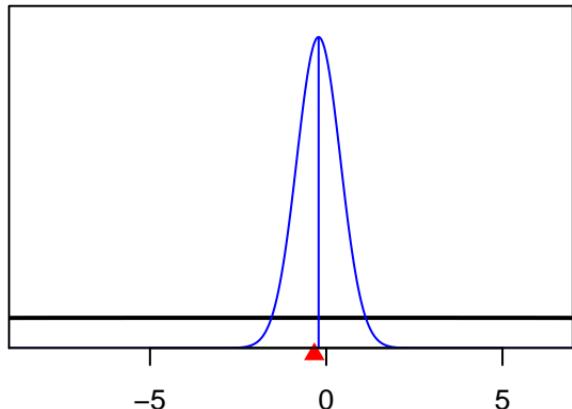
SizeSpline_Val_3_F10-OBJ_S_Q23(10)



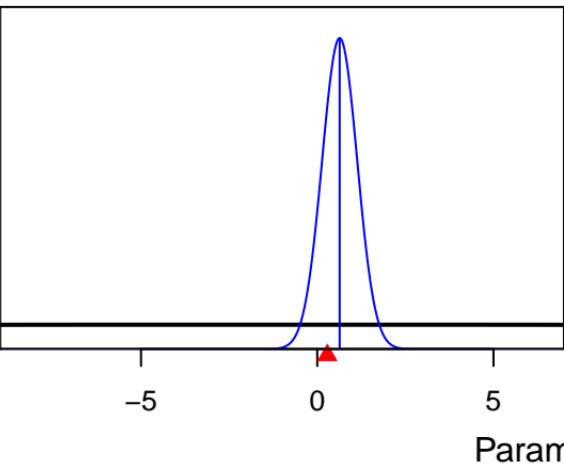
SizeSpline_Val_4_F10-OBJ_S_Q23(10)



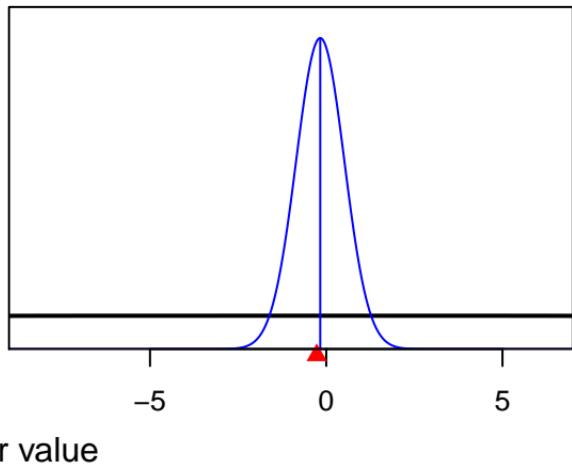
SizeSpline_Val_6_F10-OBJ_S_Q23(10)



SizeSpline_Val_5_F10-OBJ_S_Q23(10)



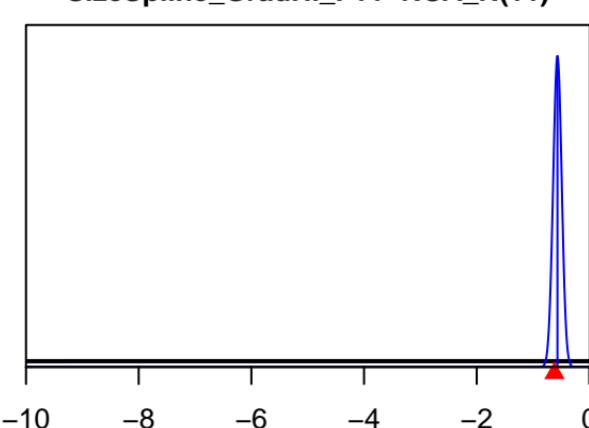
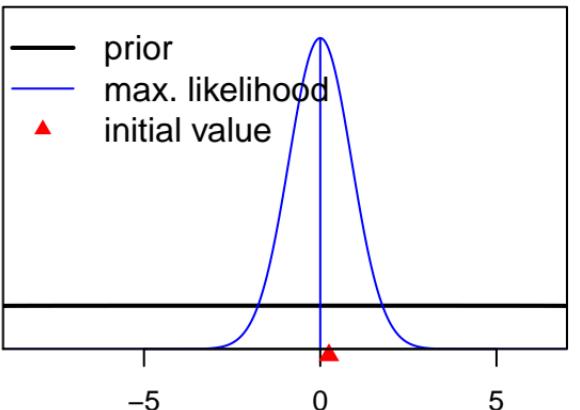
SizeSpline_Val_7_F10-OBJ_S_Q23(10)



SizeSpline_Val_9_F10-OBJ_S_Q23(10)

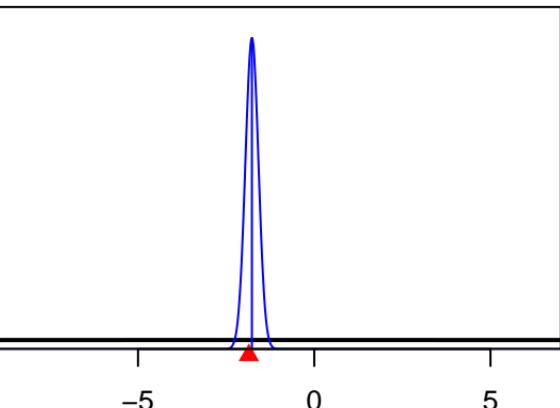
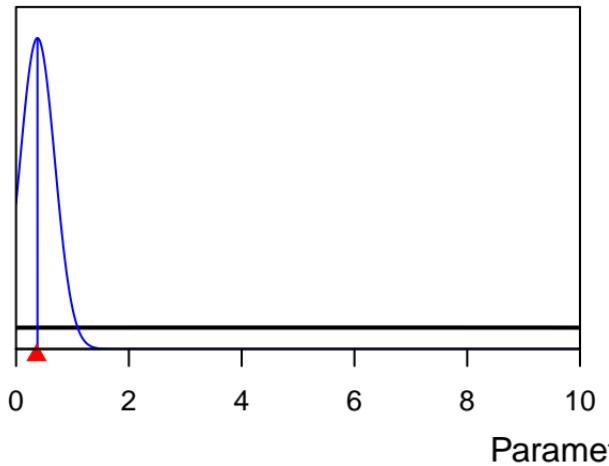
SizeSpline_GradHi_F11-NOA_N(11)

Density



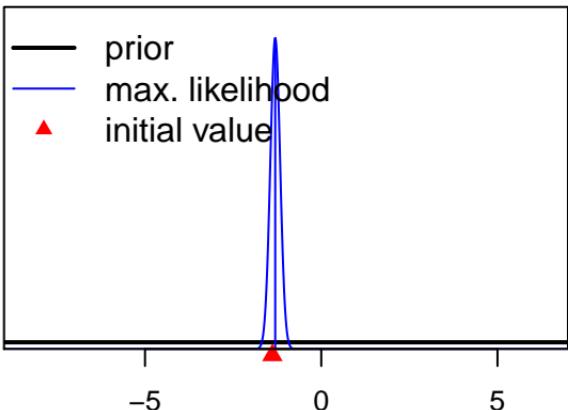
SizeSpline_GradLo_F11-NOA_N(11)

SizeSpline_Val_2_F11-NOA_N(11)



SizeSpline_Val_3_F11-NOA_N(11)

Density

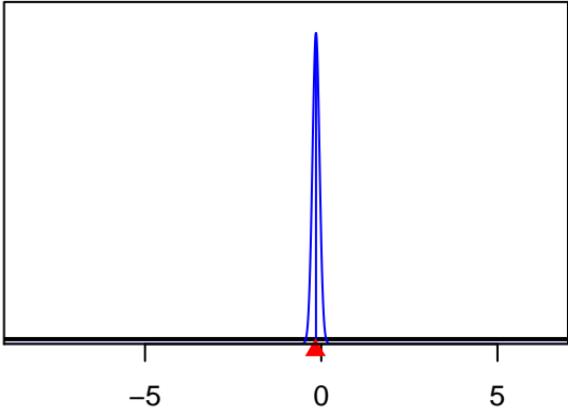


SizeSpline_Val_6_F11-NOA_N(11)

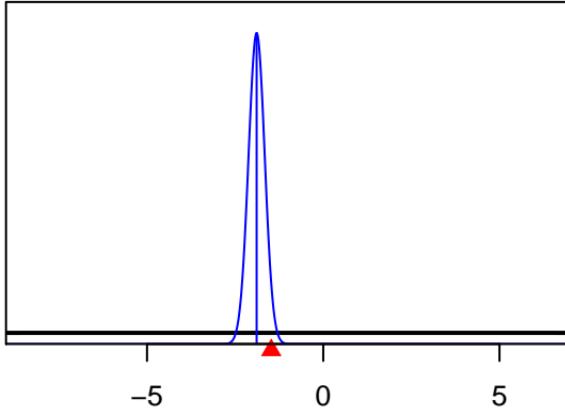
SizeSpline_Val_7_F11-NOA_N(11)

Parameter value

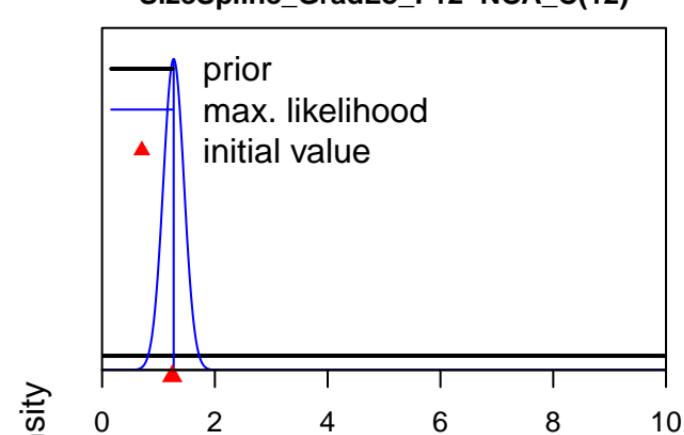
SizeSpline_Val_4_F11-NOA_N(11)



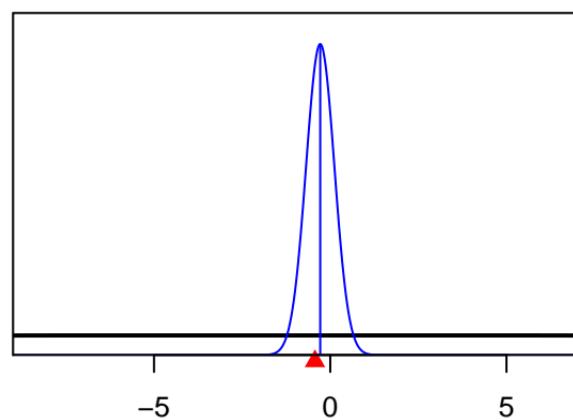
SizeSpline_Val_7_F11-NOA_N(11)



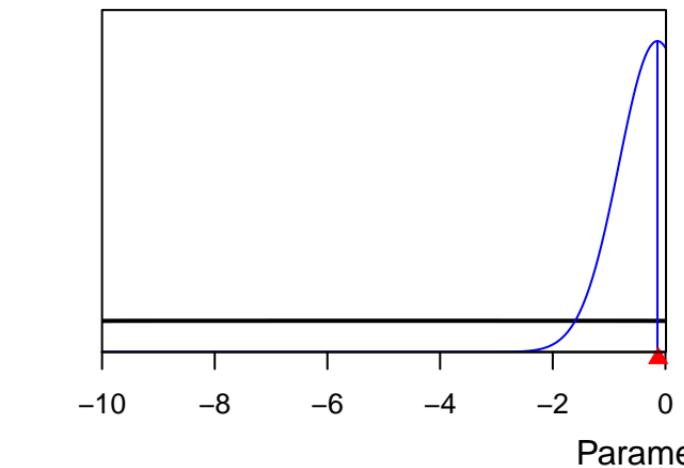
SizeSpline_GradLo_F12-NOA_C(12)



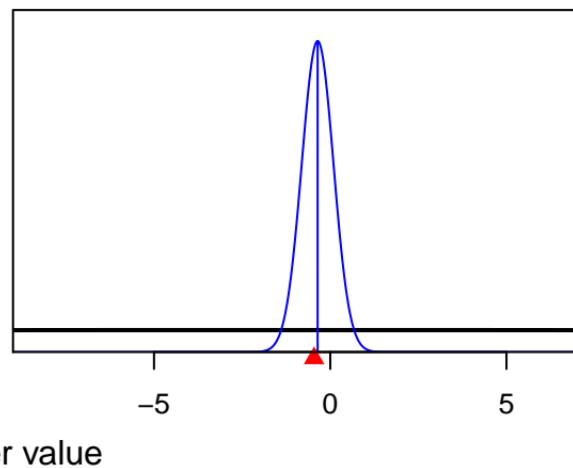
SizeSpline_Val_2_F12-NOA_C(12)



SizeSpline_GradHi_F12-NOA_C(12)

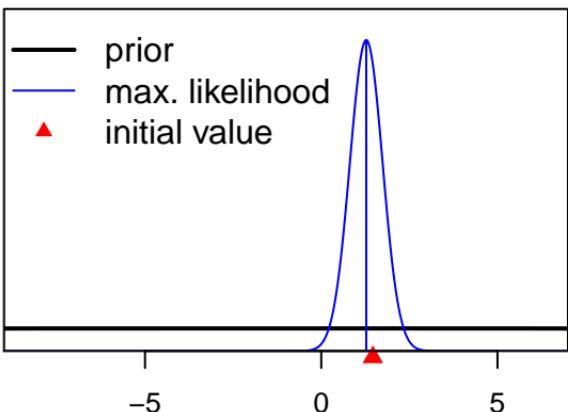


SizeSpline_Val_3_F12-NOA_C(12)



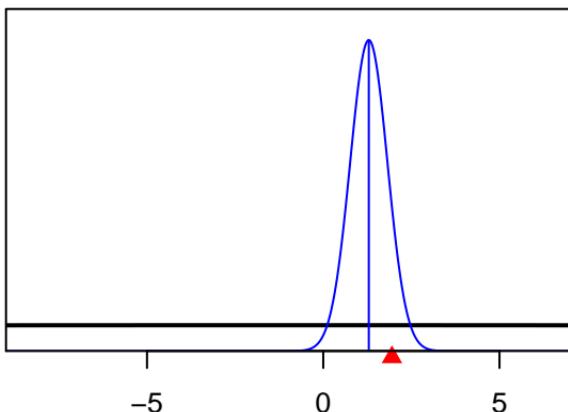
SizeSpline_Val_5_F12-NOA_C(12)

Density



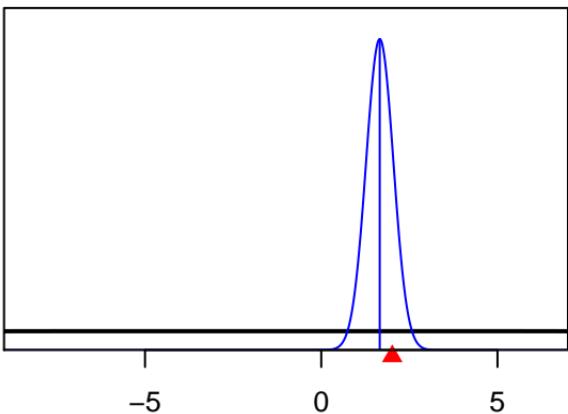
SizeSpline_Val_7_F12-NOA_C(12)

Density

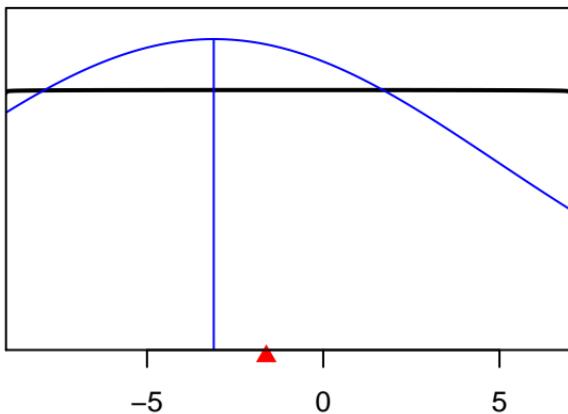


SizeSpline_Val_6_F12-NOA_C(12)

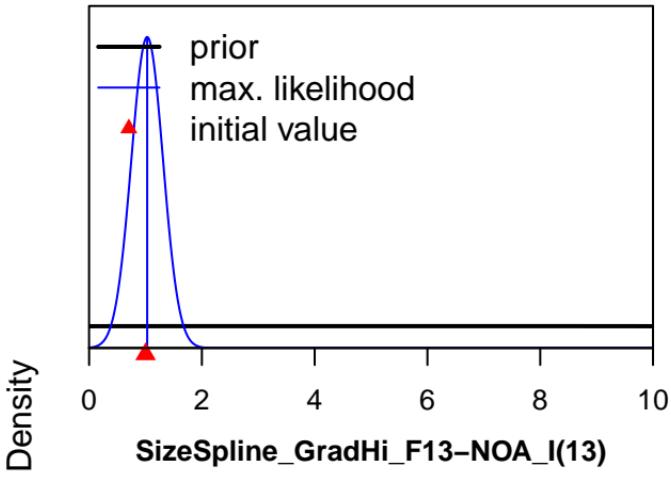
Parameter value



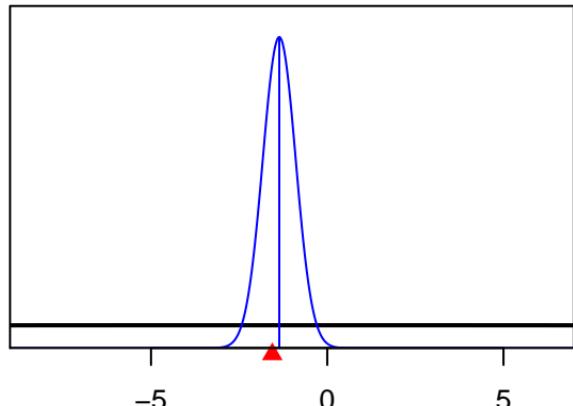
SizeSpline_Val_8_F12-NOA_C(12)



SizeSpline_GradLo_F13-NOA_I(13)

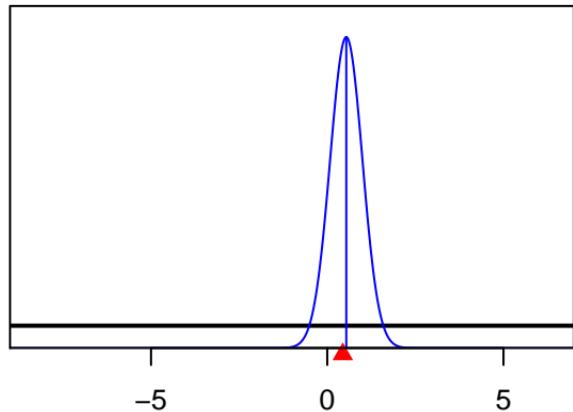


SizeSpline_Val_2_F13-NOA_I(13)



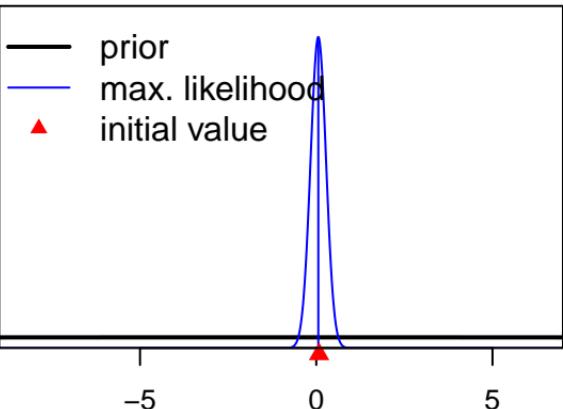
SizeSpline_GradHi_F13-NOA_I(13)

SizeSpline_Val_3_F13-NOA_I(13)

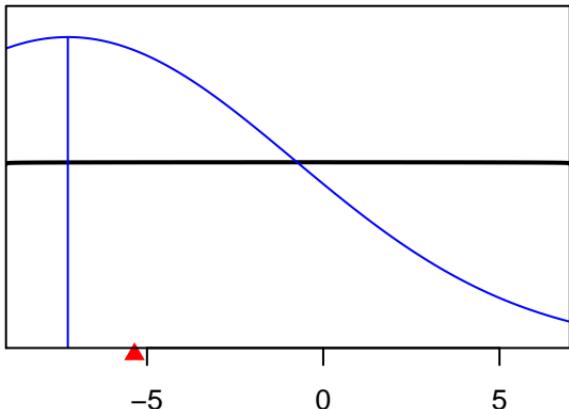


Parameter value

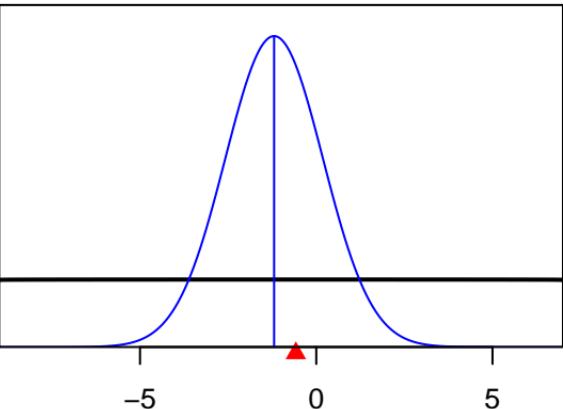
SizeSpline_Val_5_F13–NOA_I(13)



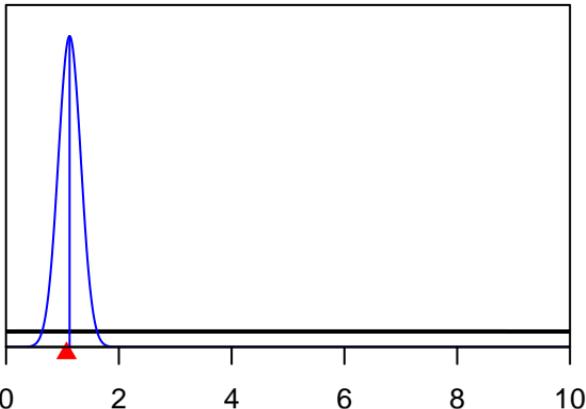
SizeSpline_Val_7_F13–NOA_I(13)



SizeSpline_Val_6_F13–NOA_I(13)



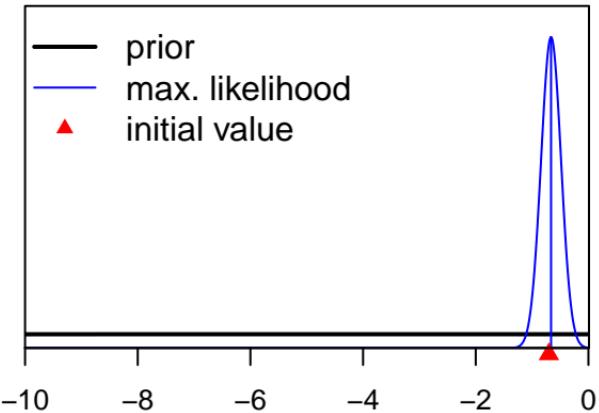
SizeSpline_GradLo_F14–NOA_S(14)



Parameter value

SizeSpline_GradHi_F14-NOA_S(14)

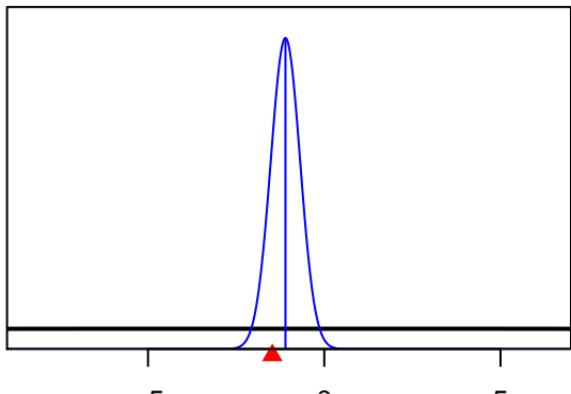
Density



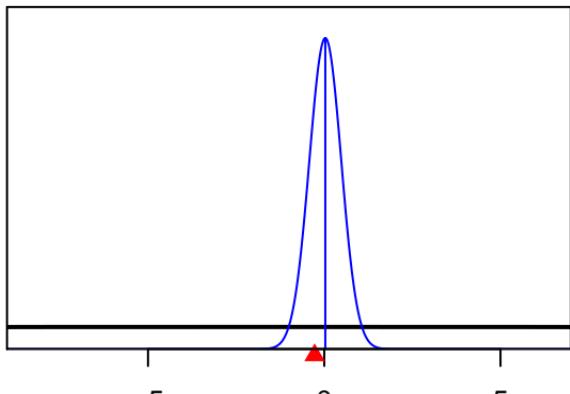
SizeSpline_Val_3_F14-NOA_S(14)



SizeSpline_Val_2_F14-NOA_S(14)



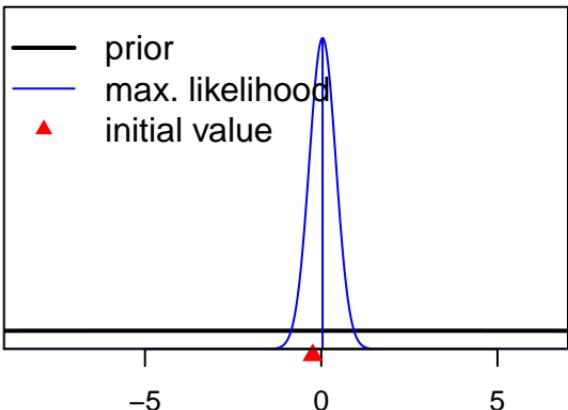
SizeSpline_Val_4_F14-NOA_S(14)



Parameter value

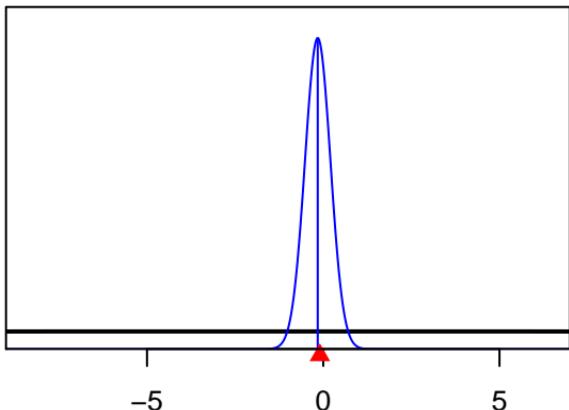
SizeSpline_Val_5_F14–NOA_S(14)

Density



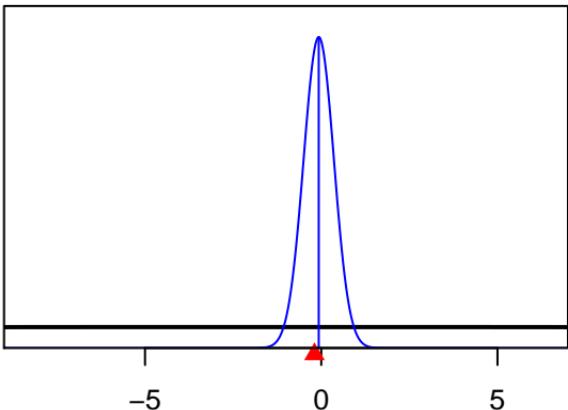
SizeSpline_Val_8_F14–NOA_S(14)

Density

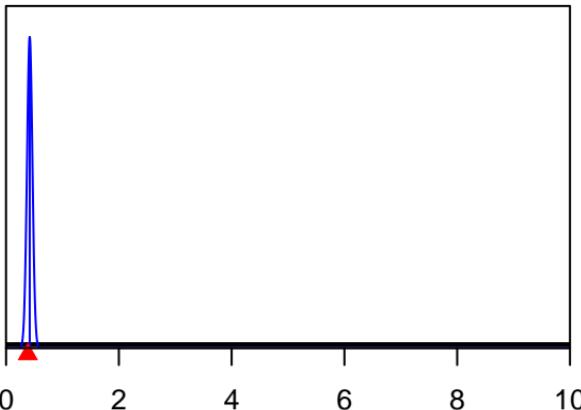


SizeSpline_Val_6_F14–NOA_S(14)

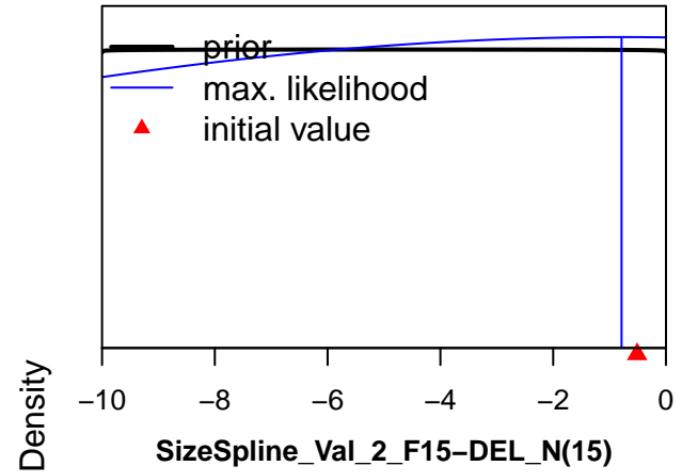
Parameter value



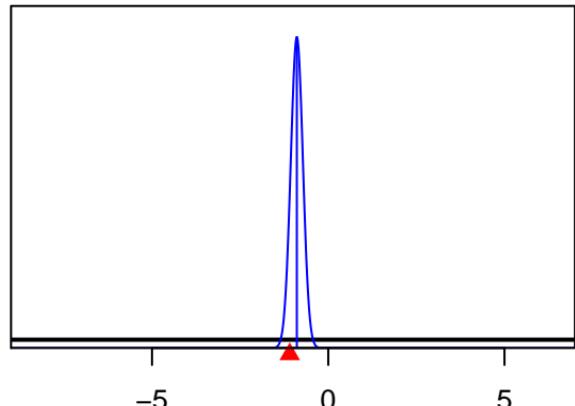
SizeSpline_GradLo_F15–DEL_N(15)



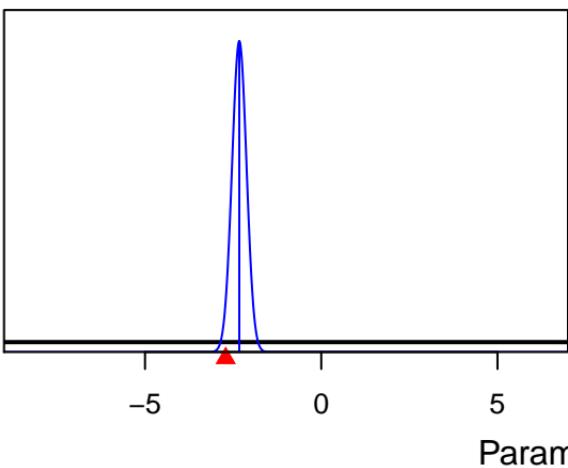
SizeSpline_GradHi_F15-DEL_N(15)



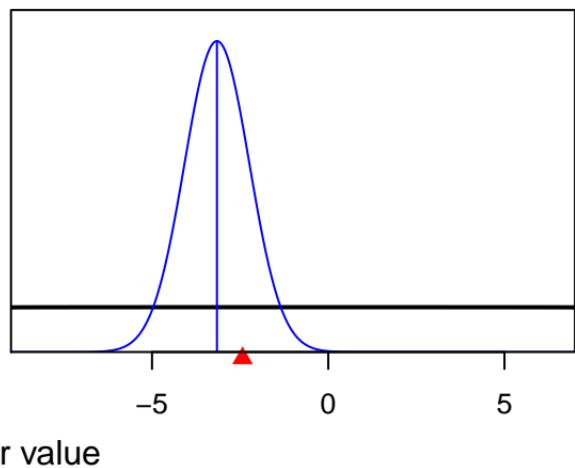
SizeSpline_Val_3_F15-DEL_N(15)



SizeSpline_Val_2_F15-DEL_N(15)



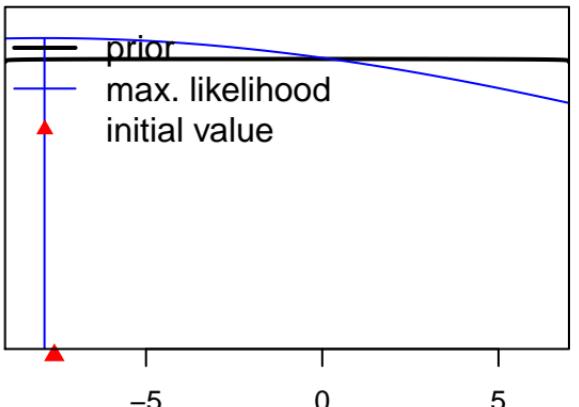
SizeSpline_Val_5_F15-DEL_N(15)



Parameter value

SizeSpline_Val_6_F15-DEL_N(15)

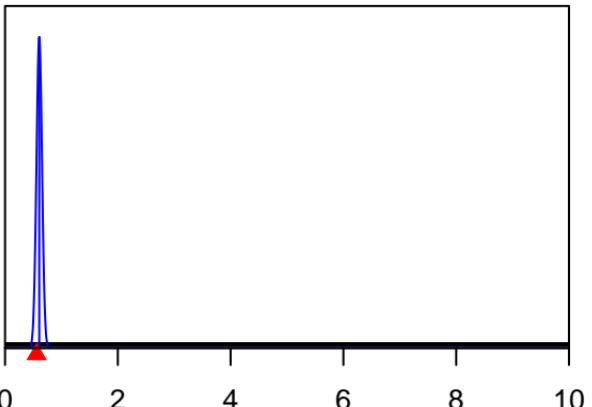
Density



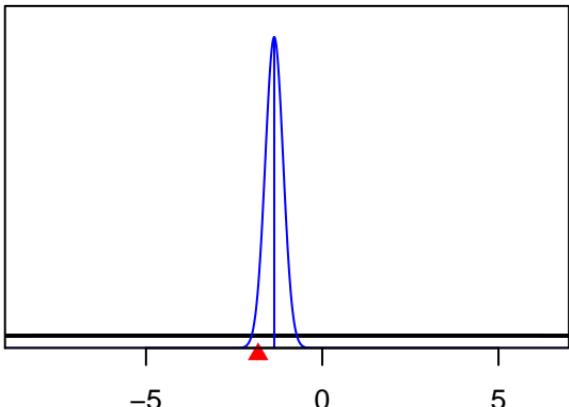
SizeSpline_GradHi_F16-DEL_NE(16)



SizeSpline_GradLo_F16-DEL_NE(16)



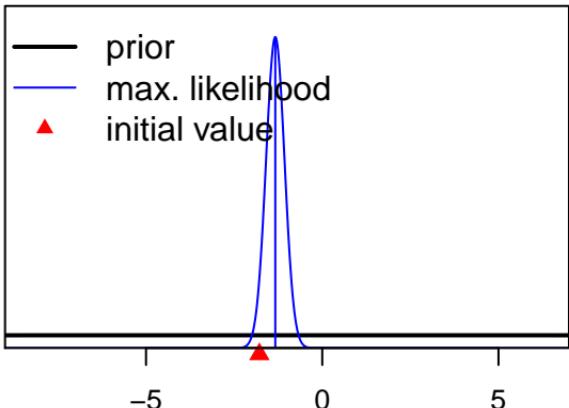
SizeSpline_Val_2_F16-DEL_NE(16)



Parameter value

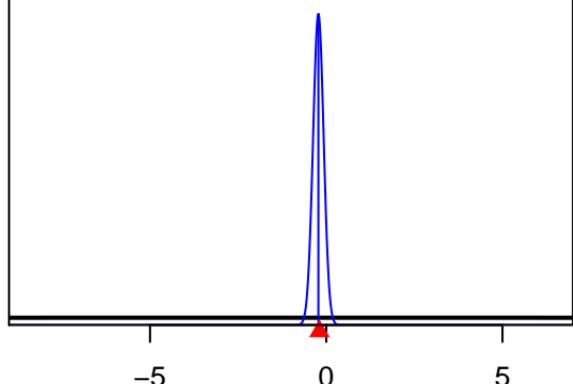
SizeSpline_Val_3_F16-DEL_NE(16)

Density



SizeSpline_Val_5_F16-DEL_NE(16)

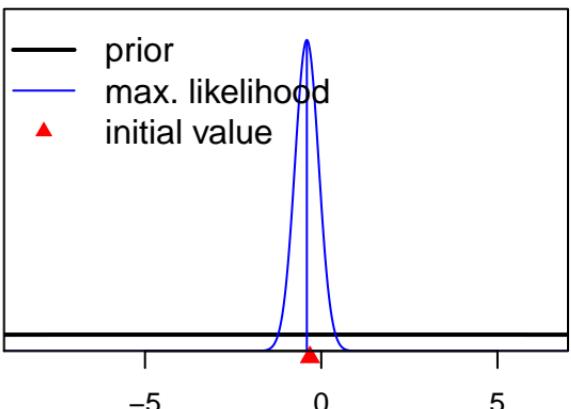
SizeSpline_Val_4_F16-DEL_NE(16)



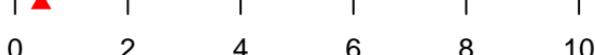
Parameter value

SizeSpline_Val_8_F16-DEL_NE(16)

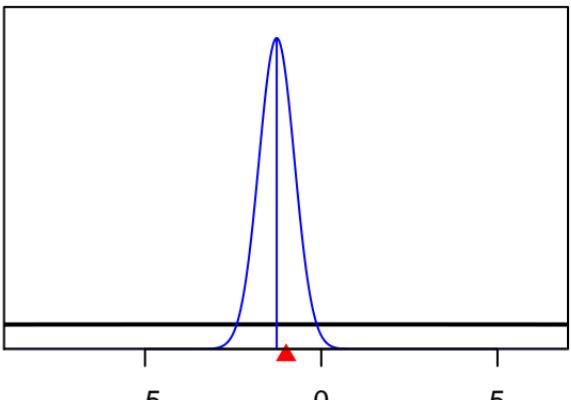
Density



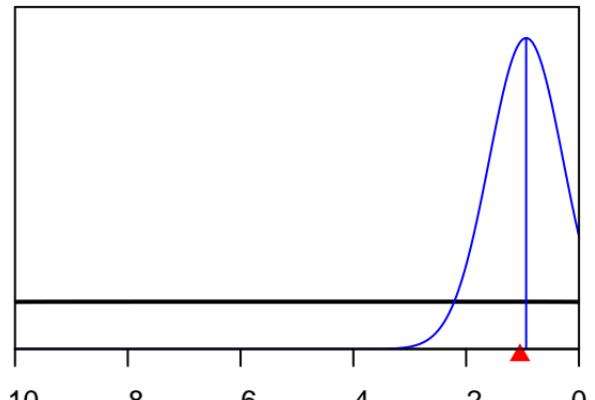
SizeSpline_GradLo_F17-DEL_M(17)



SizeSpline_Val_9_F16-DEL_NE(16)



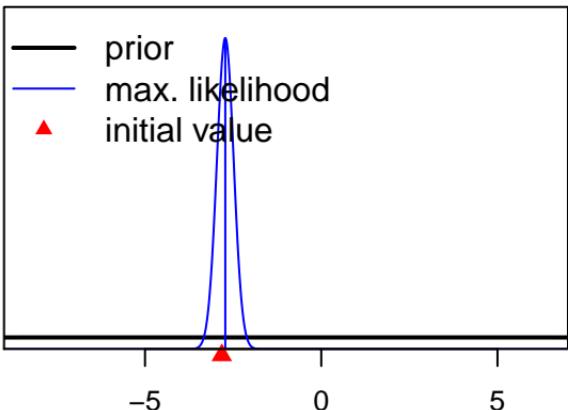
SizeSpline_GradHi_F17-DEL_M(17)



Parameter value

SizeSpline_Val_2_F17-DEL_M(17)

Density



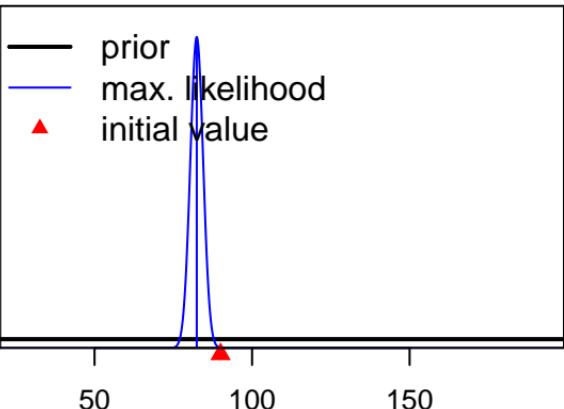
SizeSpline_Val_5_F17-DEL_M(17)

SizeSpline_Val_4_F17-DEL_M(17)

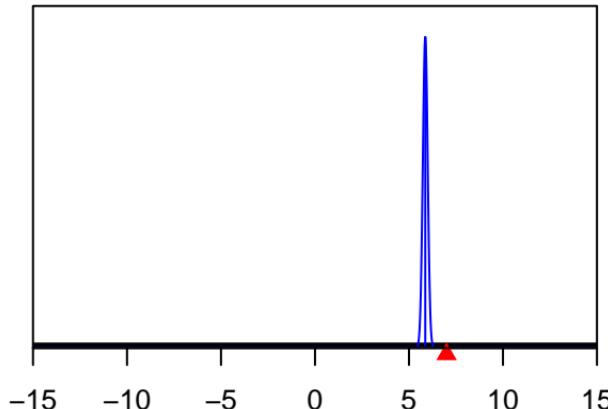
SizeSpline_Val_6_F17-DEL_M(17)

Parameter value

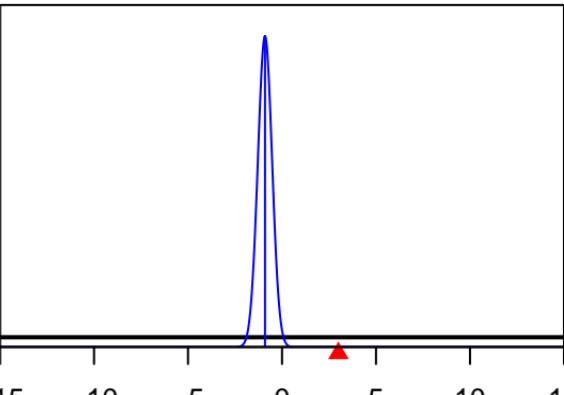
Size_DbIN_peak_F18-DEL_C(18)



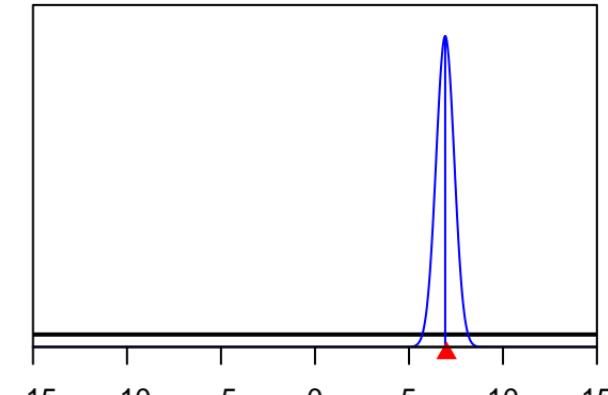
Size_DbIN_ascend_se_F18-DEL_C(18)



Size_DbIN_top_logit_F18-DEL_C(18)

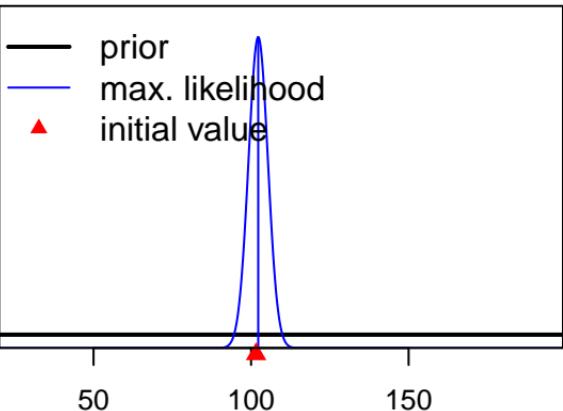


Size_DbIN_descend_se_F18-DEL_C(18)

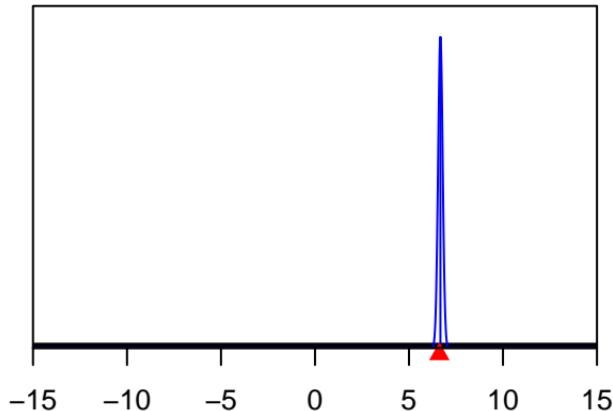


Parameter value

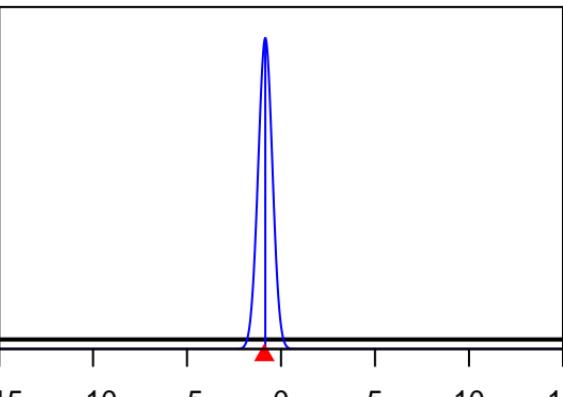
Size_DbIN_peak_F19-DEL_P(19)



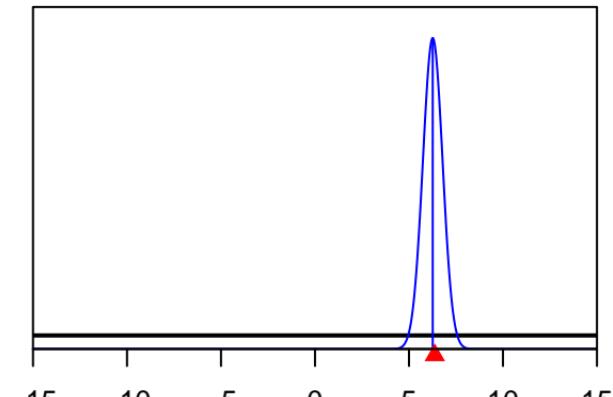
Size_DbIN_ascend_se_F19-DEL_P(19)



Size_DbIN_top_logit_F19-DEL_P(19)



Size_DbIN_descend_se_F19-DEL_P(19)

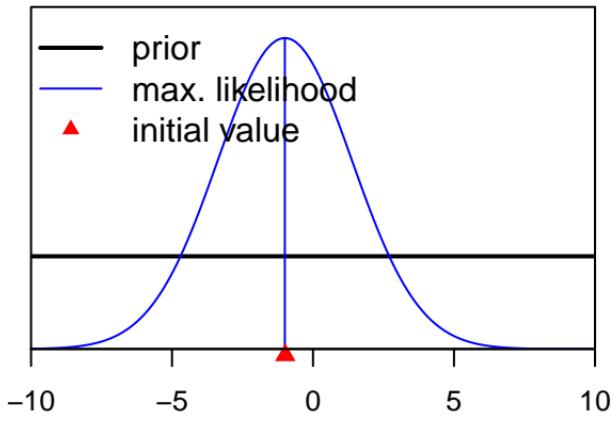


Parameter value

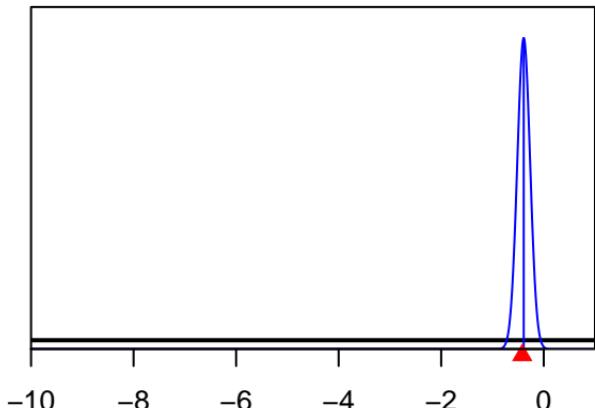
SizeSpline_GradLo_F22-BB(22)

SizeSpline_Val_2_F22-BB(22)

Density

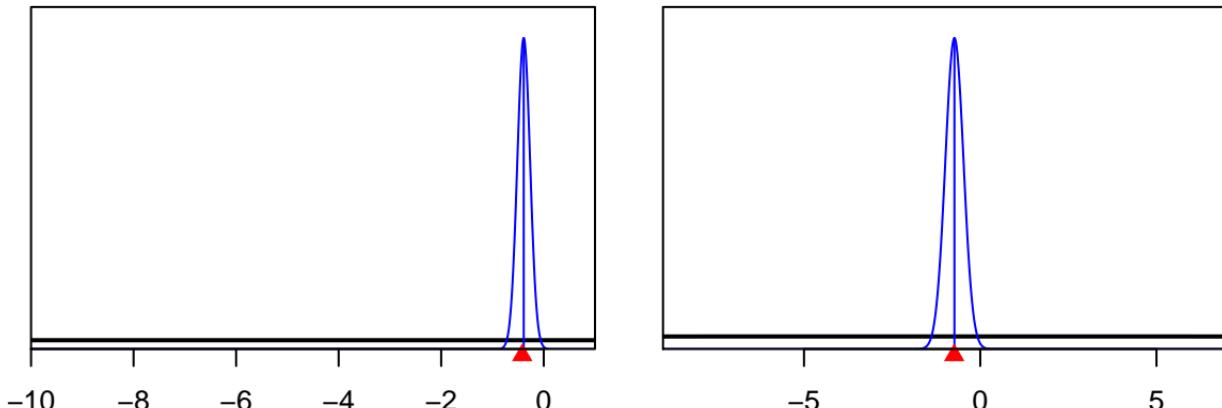


SizeSpline_GradHi_F22-BB(22)



Parameter value

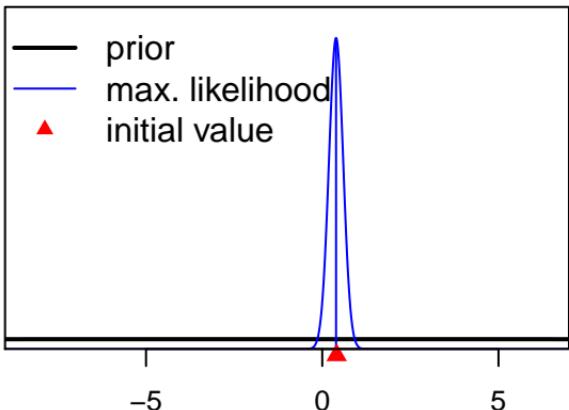
SizeSpline_Val_3_F22-BB(22)



SizeSpline_Val_5_F22-BB(22)

SizeSpline_Val_7_F22-BB(22)

Density



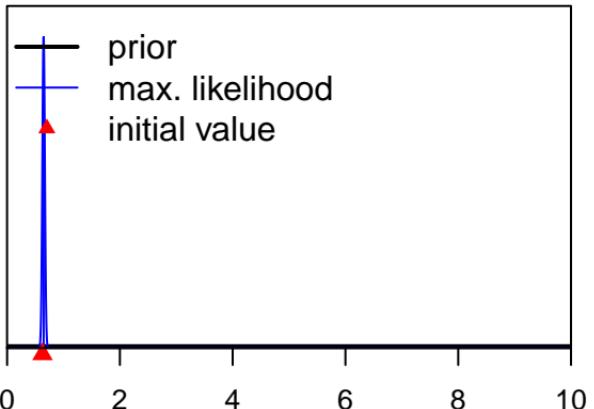
SizeSpline_Val_6_F22-BB(22)

SizeSpline_Val_8_F22-BB(22)

Parameter value

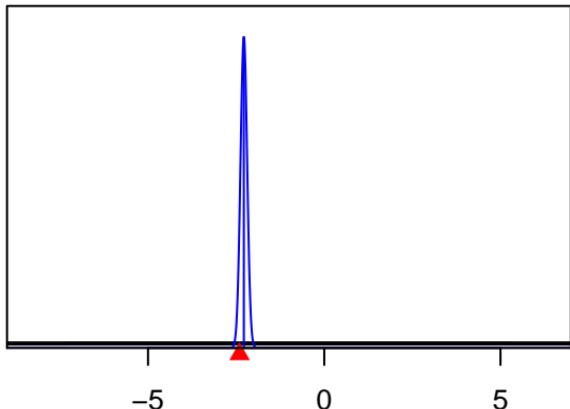
SizeSpline_GradLo_S1-PS_DEL_VAST(41)

Density



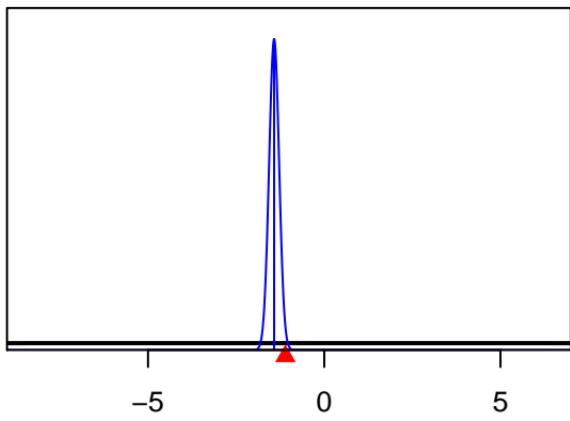
SizeSpline_Val_2_S1-PS_DEL_VAST(41)

Density



SizeSpline_GradHi_S1-PS_DEL_VAST(41)

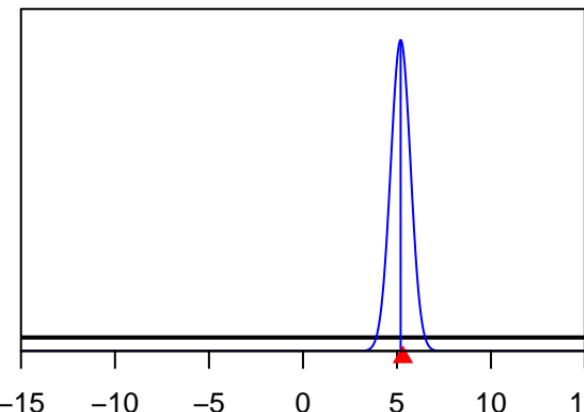
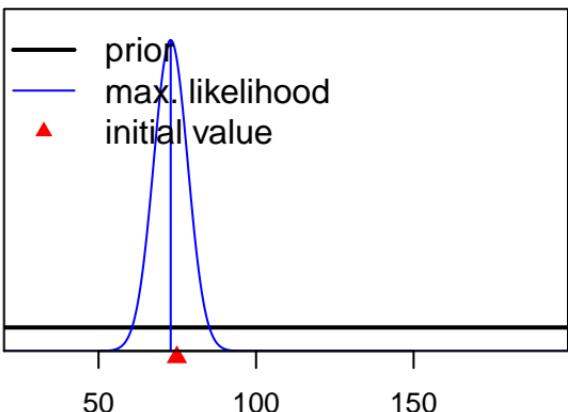
Density



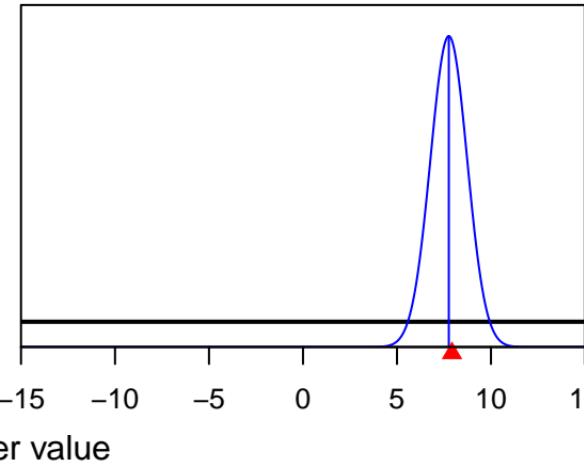
Parameter value

Size_DbIN_peak_F18-DEL_C(18)_BLK2rep1_11>_DbIN_ascend_se_F18-DEL_C(18)_BLK2rep1

Density

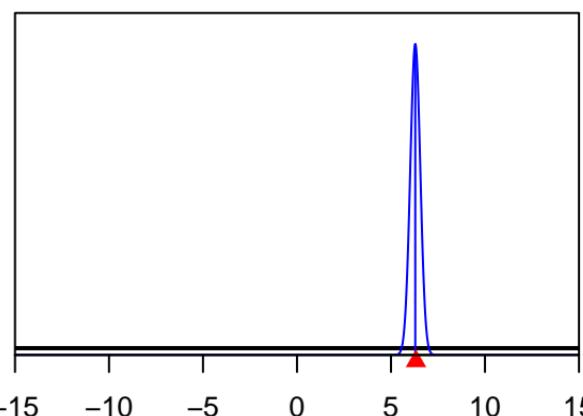
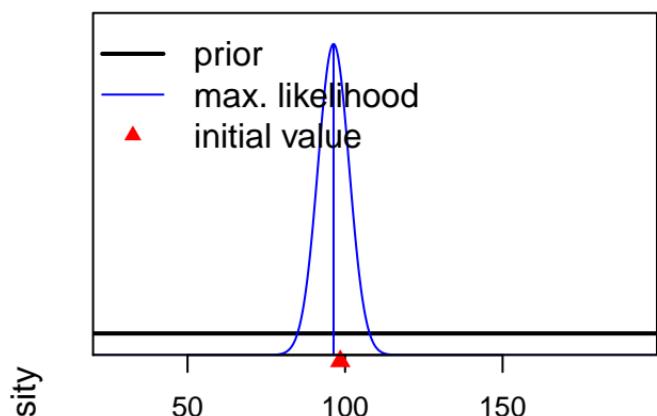


:e_DbIN_top_logit_F18-DEL_C(18)_BLK2rep1_1_DbIN_descend_se_F18-DEL_C(18)_BLK2rep1

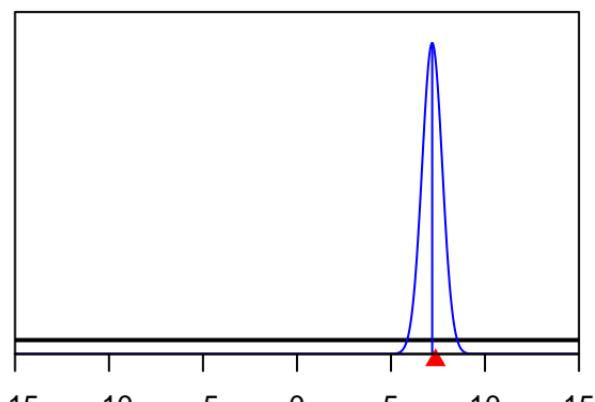
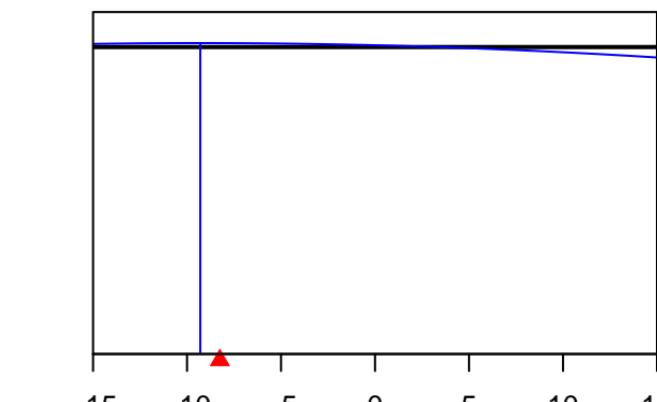


Parameter value

Size_DbIN_peak_F19-DEL_P(19)_BLK2rep1_11_DbIN_ascend_se_F19-DEL_P(19)_BLK2rep1



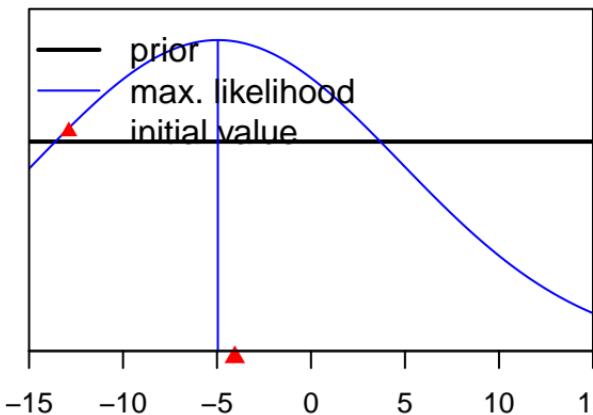
:e_DbIN_top_logit_F19-DEL_P(19)_BLK2rep1_1_DbIN_descend_se_F19-DEL_P(19)_BLK2rep1



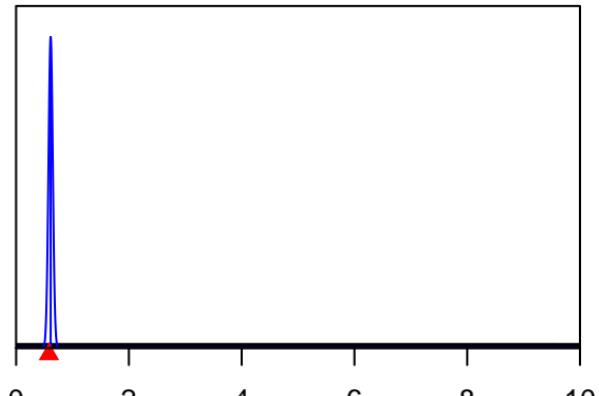
Parameter value

e_DbIN_end_logit_F19-DEL_P(19)_BLK2rep1pline_GradHi_S1-PS_DEL_VAST(41)_BLK2rep

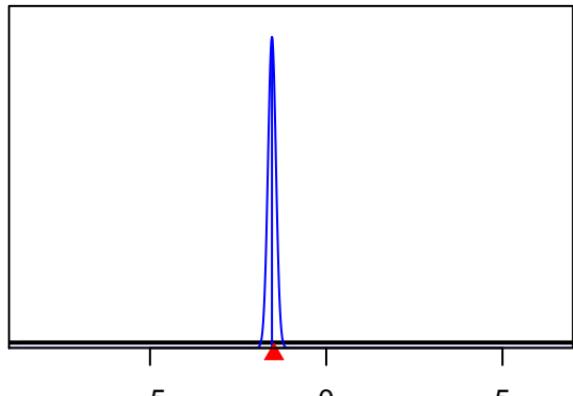
Density



pline_GradLo_S1-PS_DEL_VAST(41)_BLK2repSpline_Val_3_S1-PS_DEL_VAST(41)_BLK2rep



Parameter value



Spline_Val_4_S1-PS_DEL_VAST(41)_BLK2repl

