

EPO yellowfin tuna
Benchmark assessment 2020
model: DDQ.GRO, $h = 0.7$

Plots created using the 'r4ss' package in R

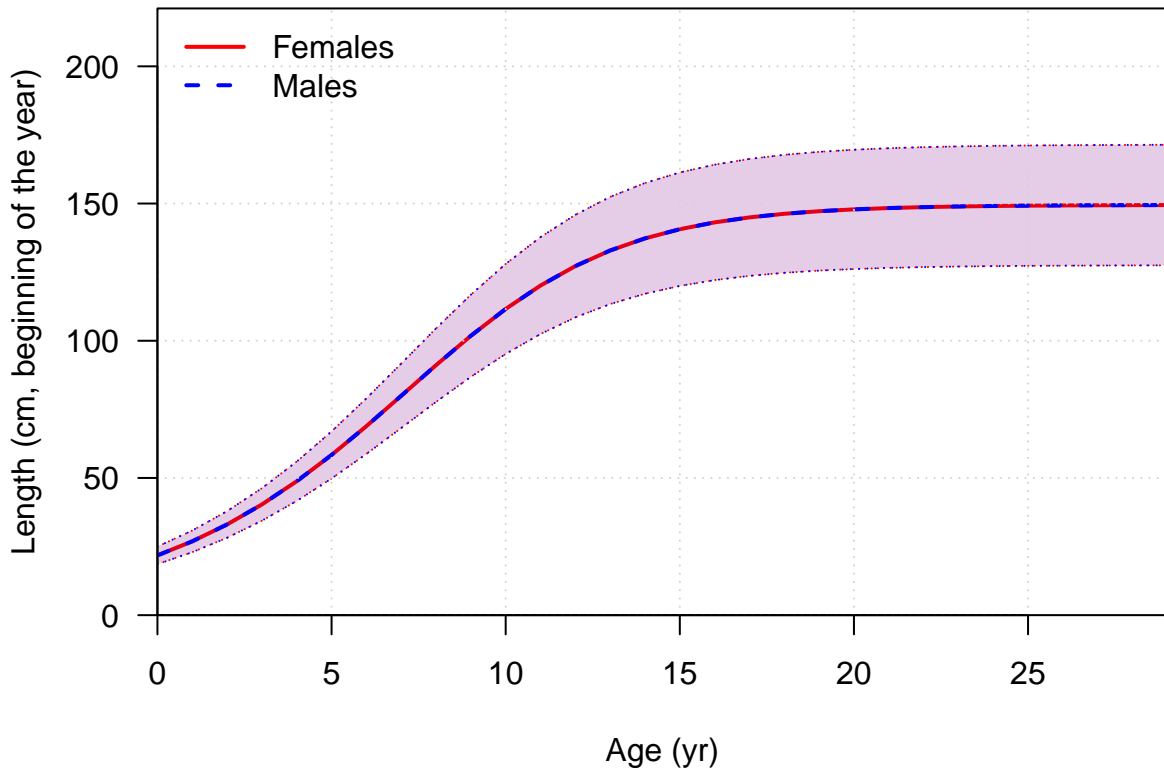
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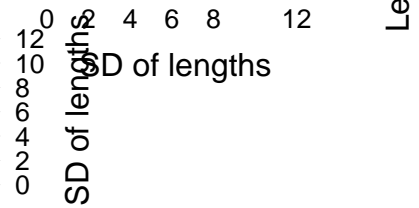
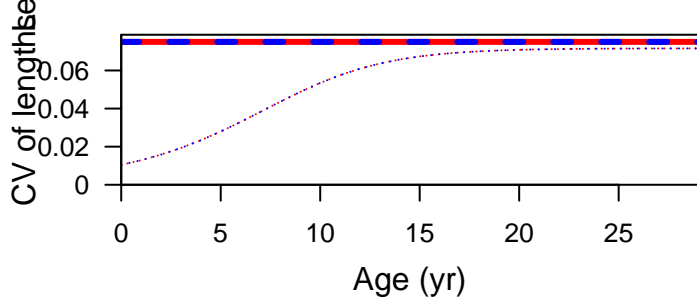
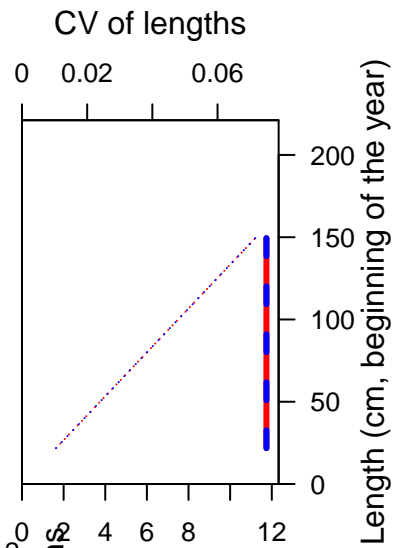
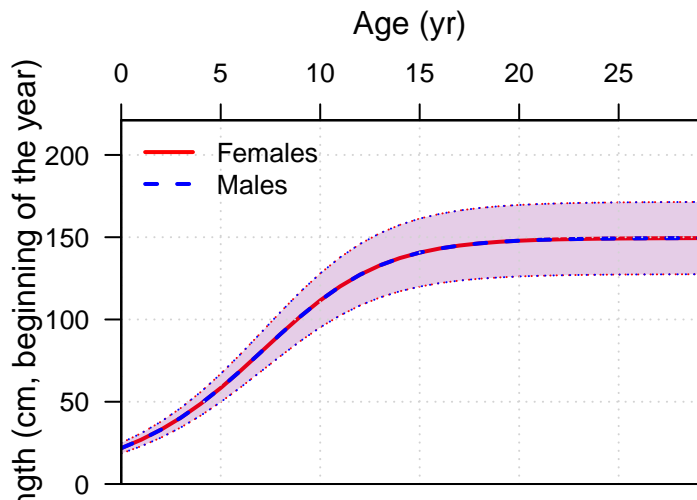
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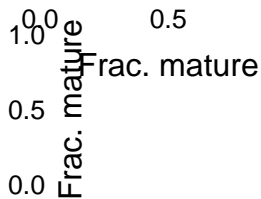
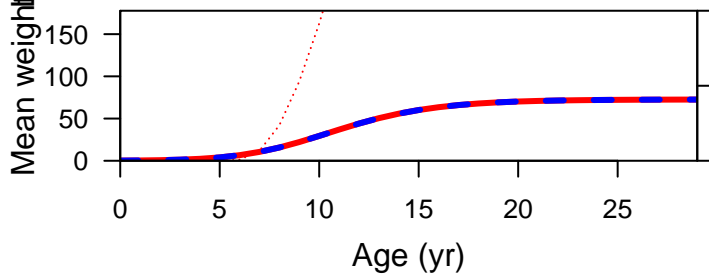
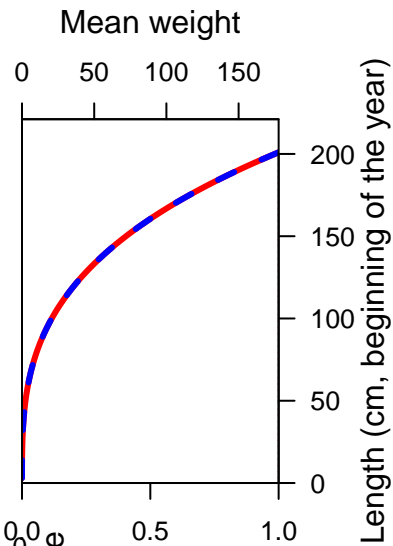
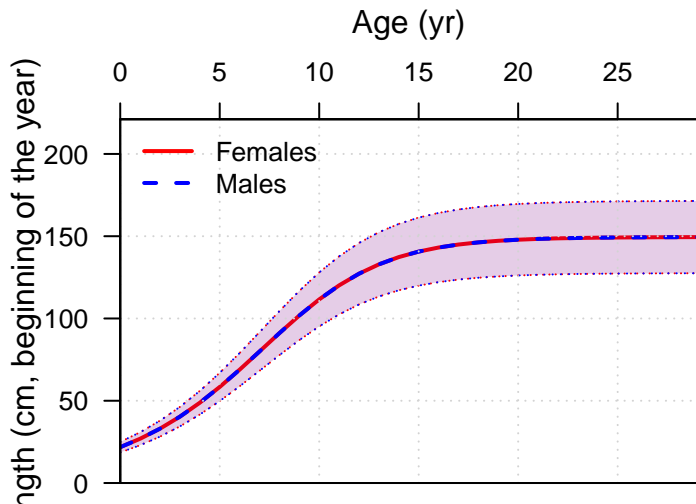
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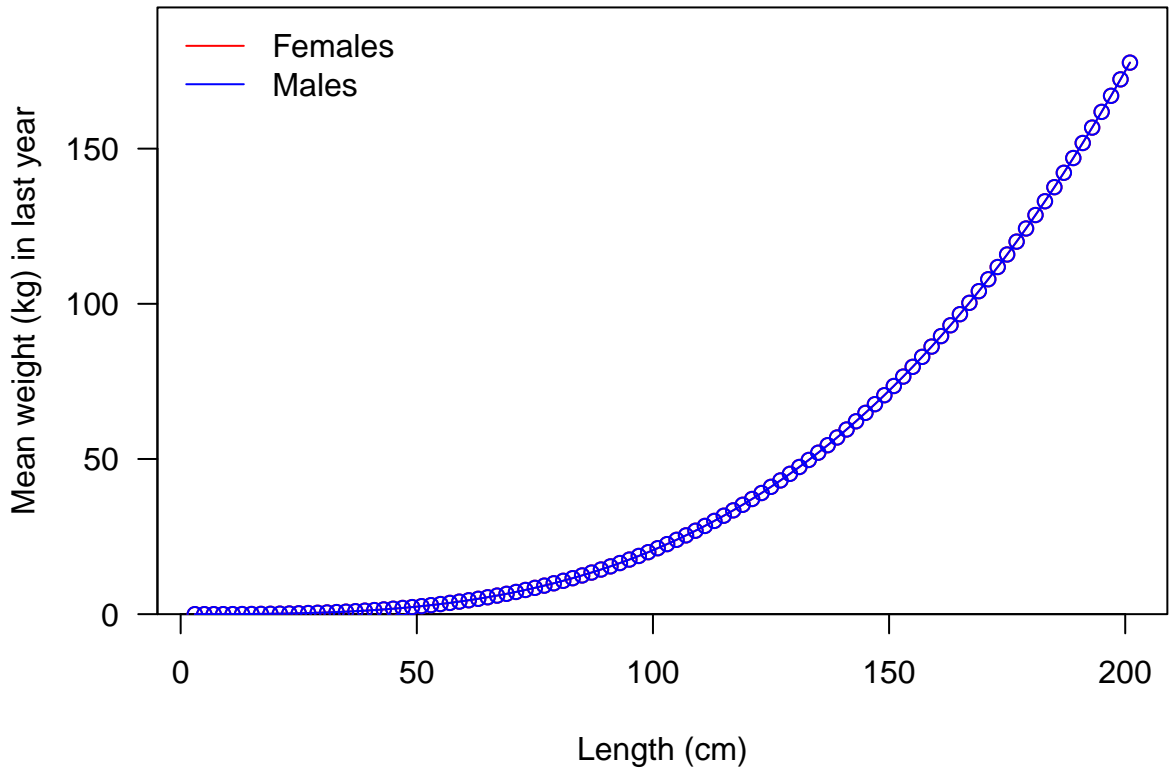
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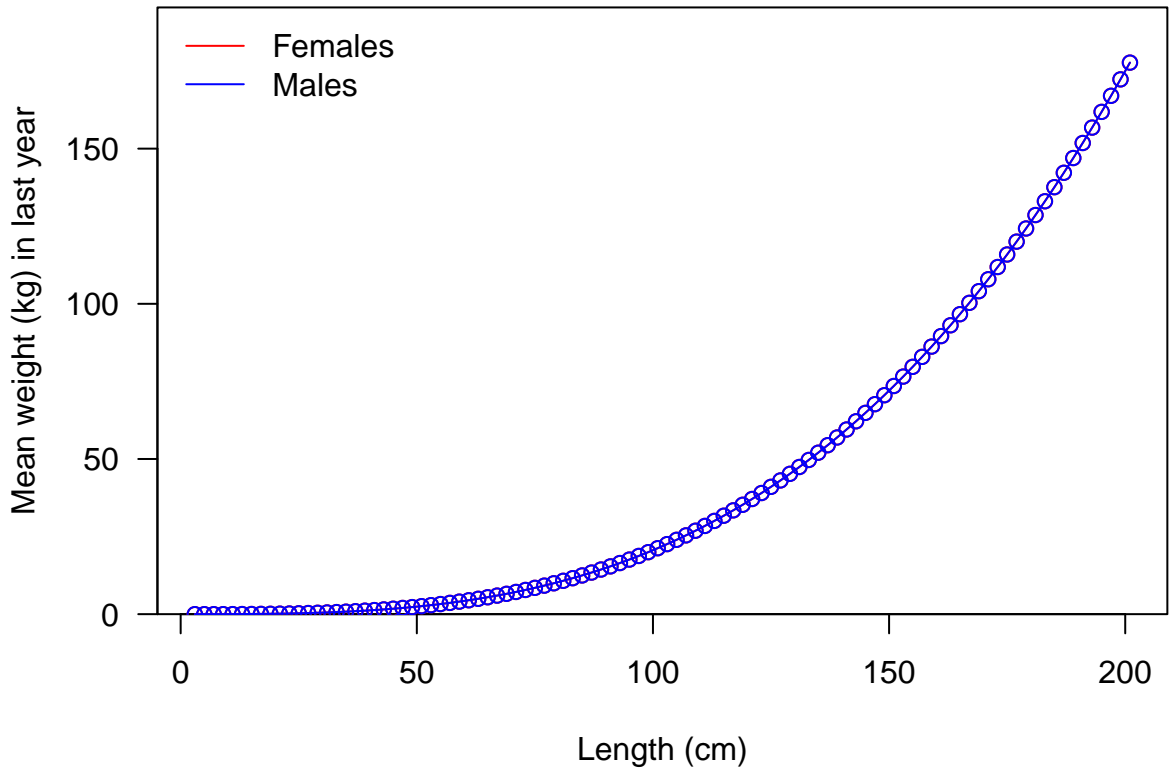
Ending year expected growth (with 95% intervals)

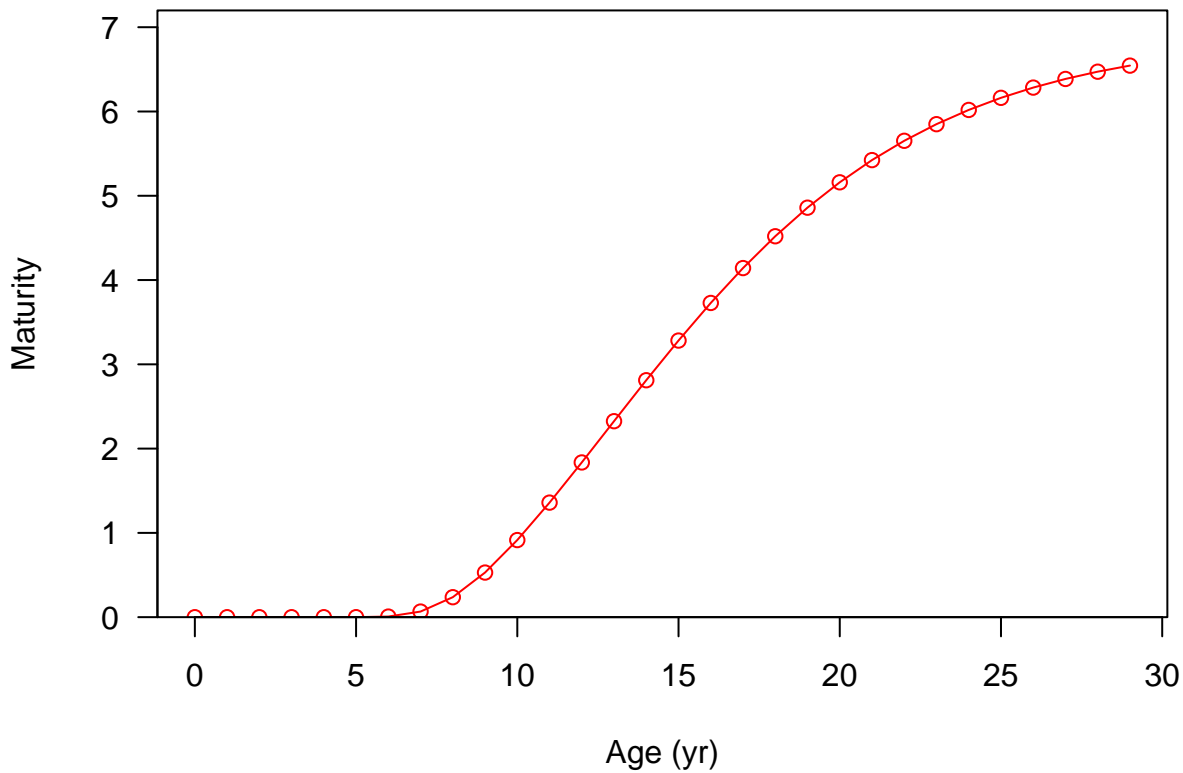


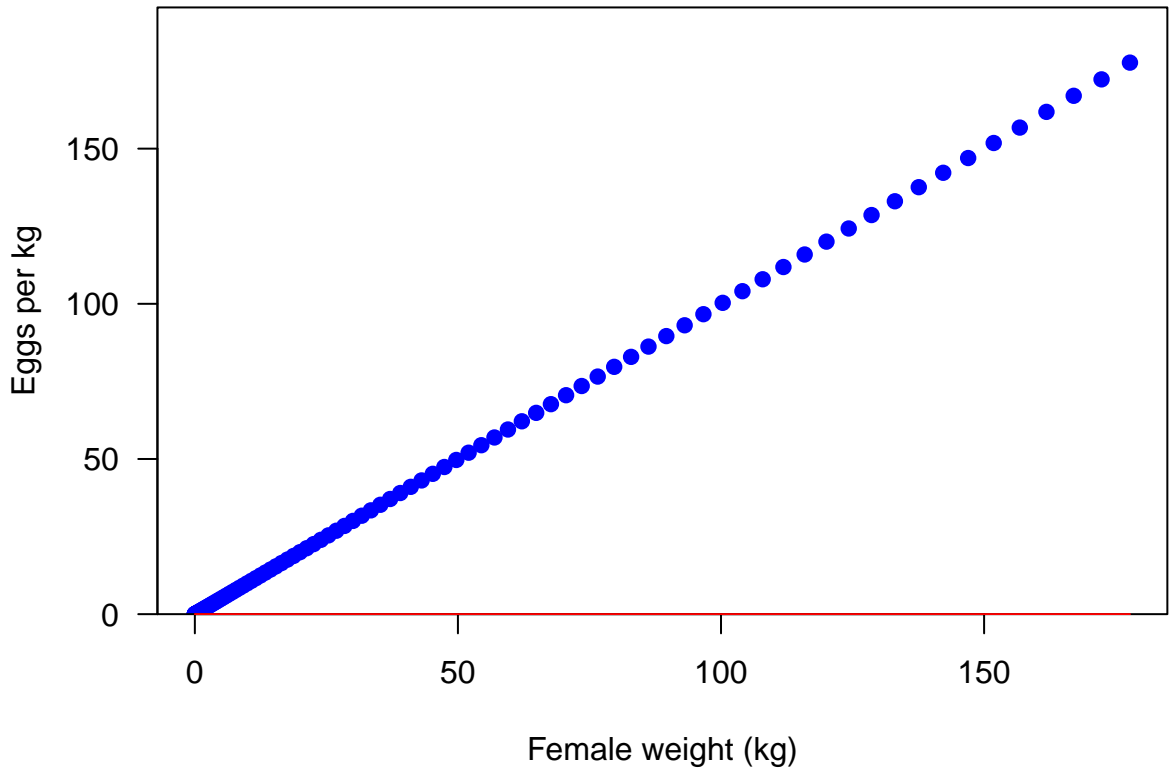


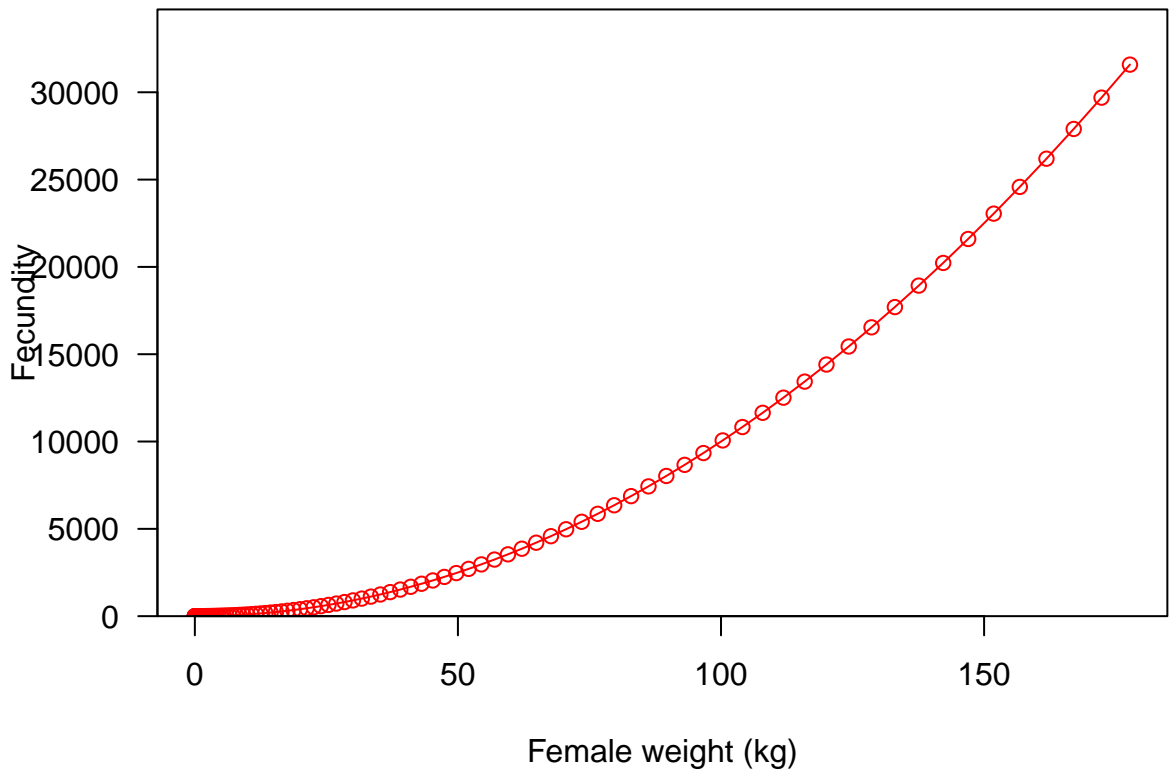


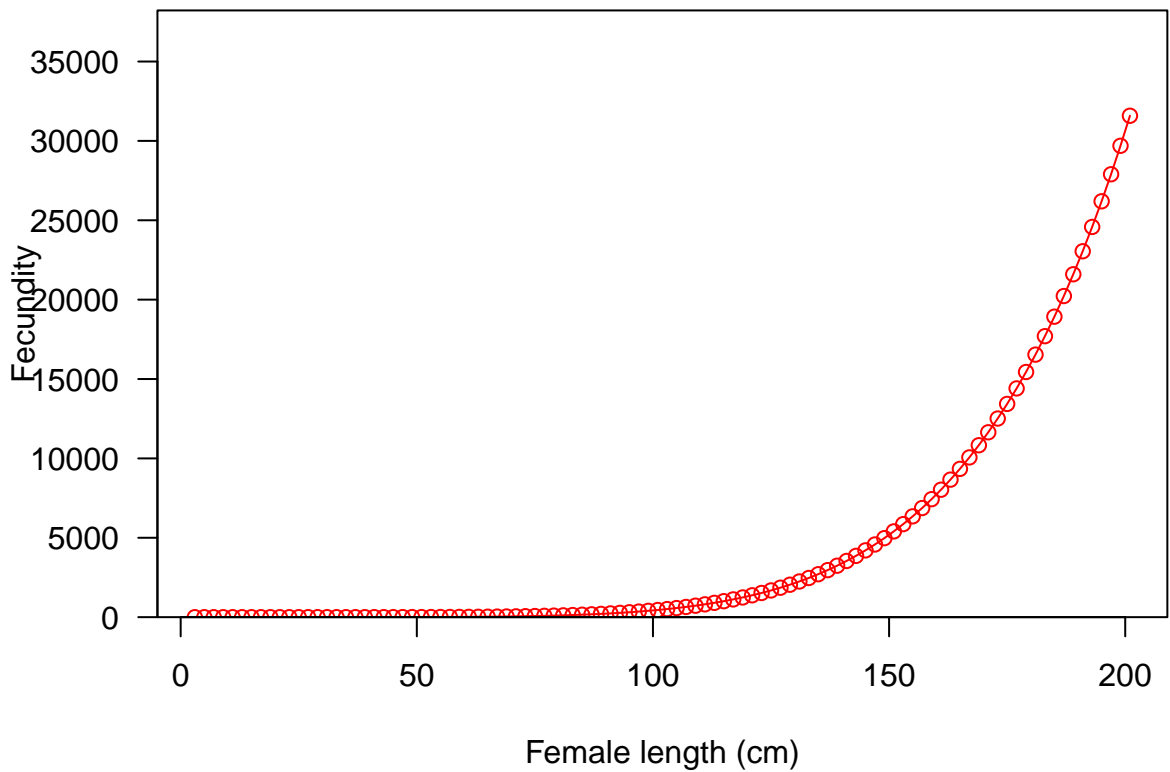


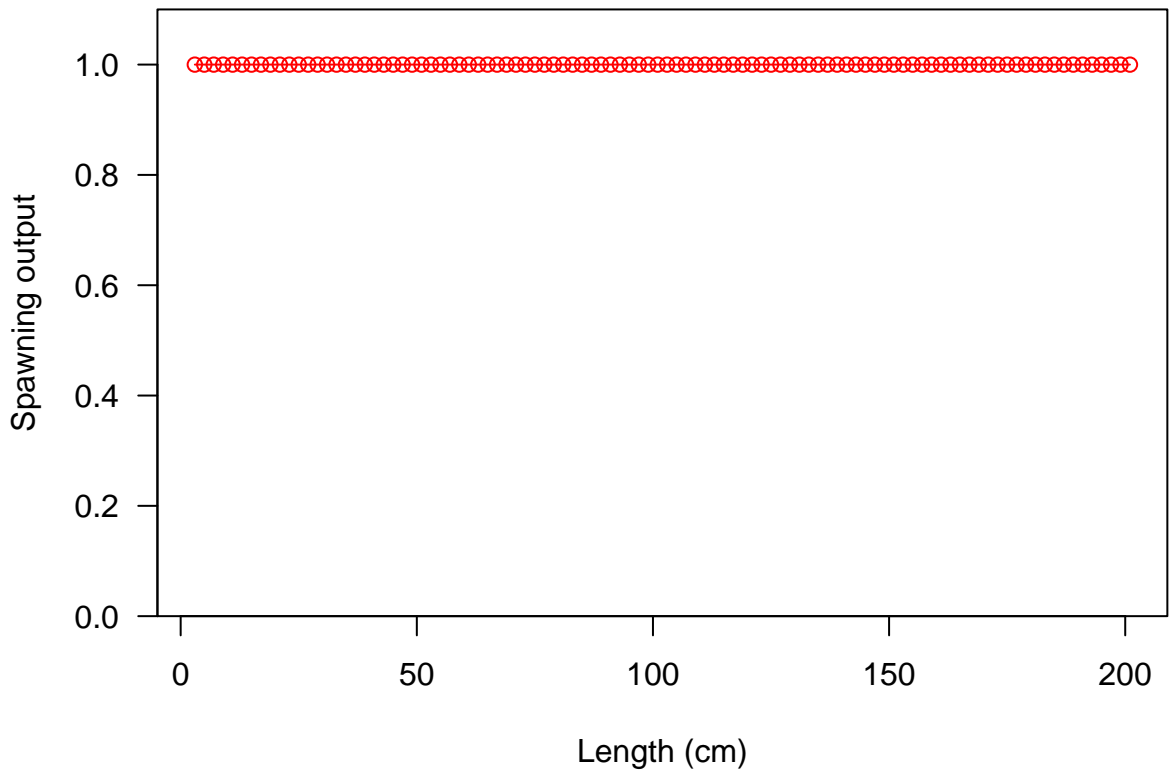


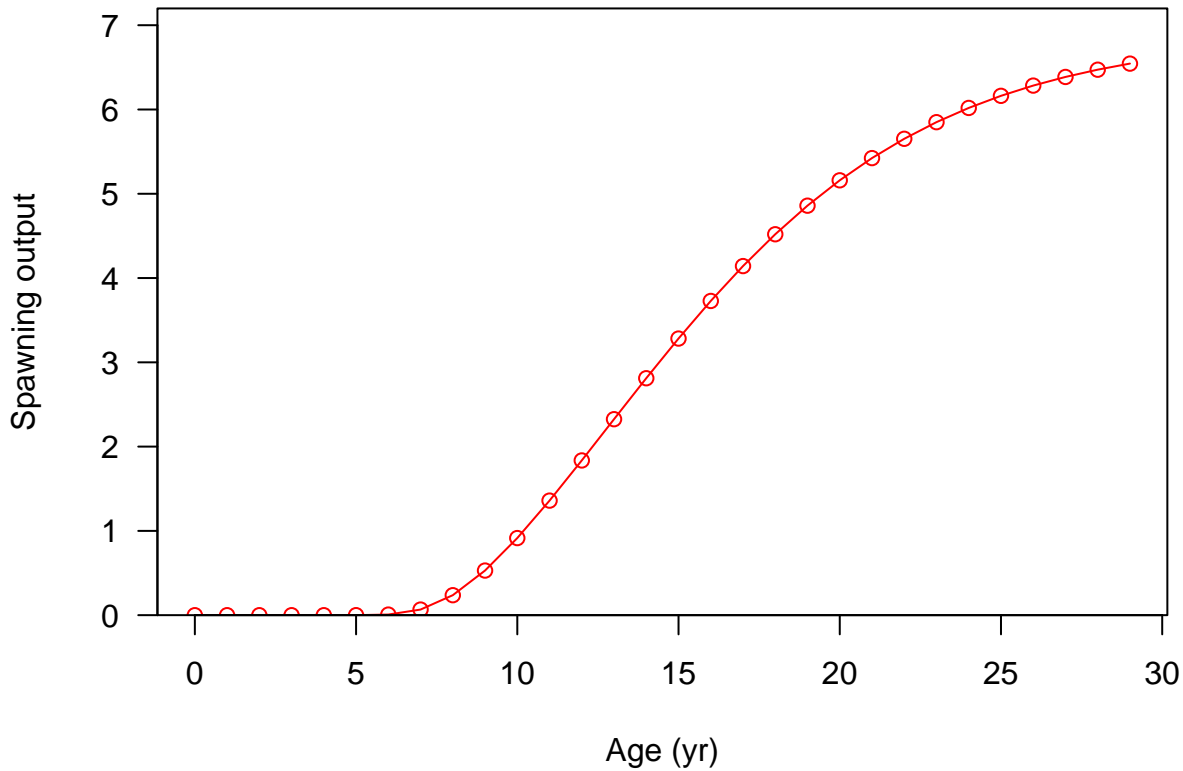




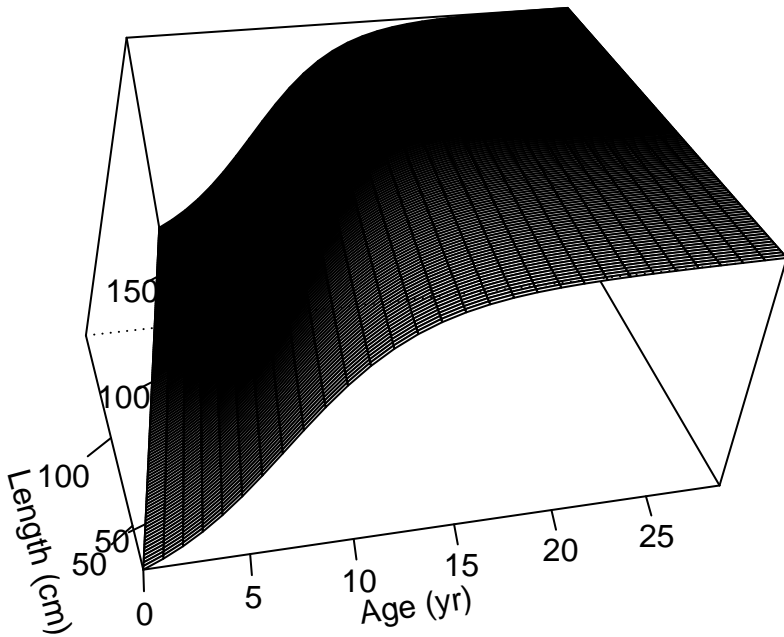




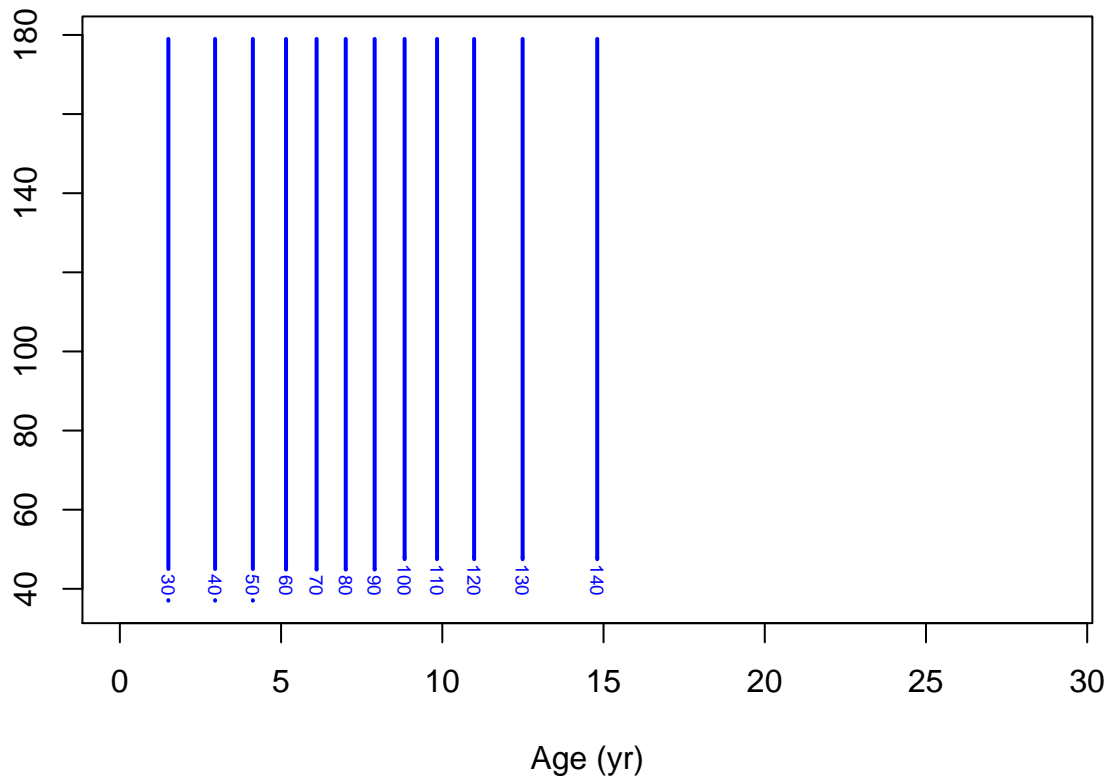




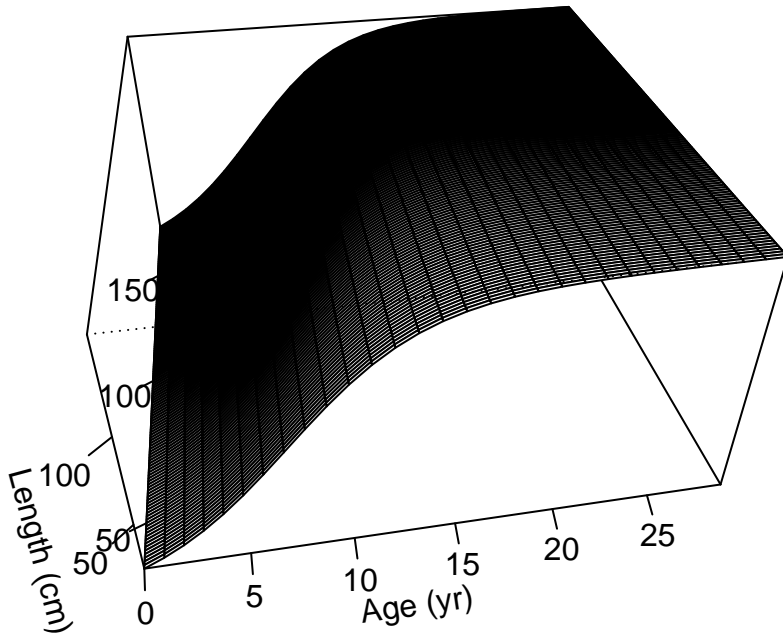
Female time-varying growth



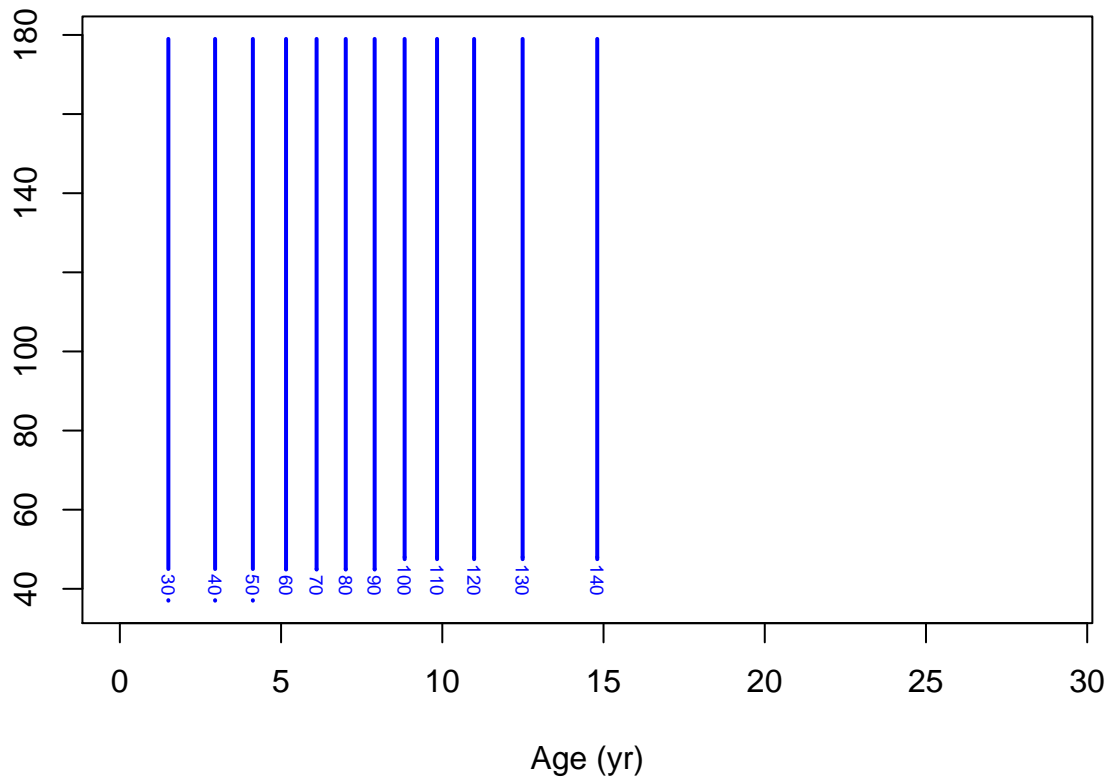
Female time-varying growth



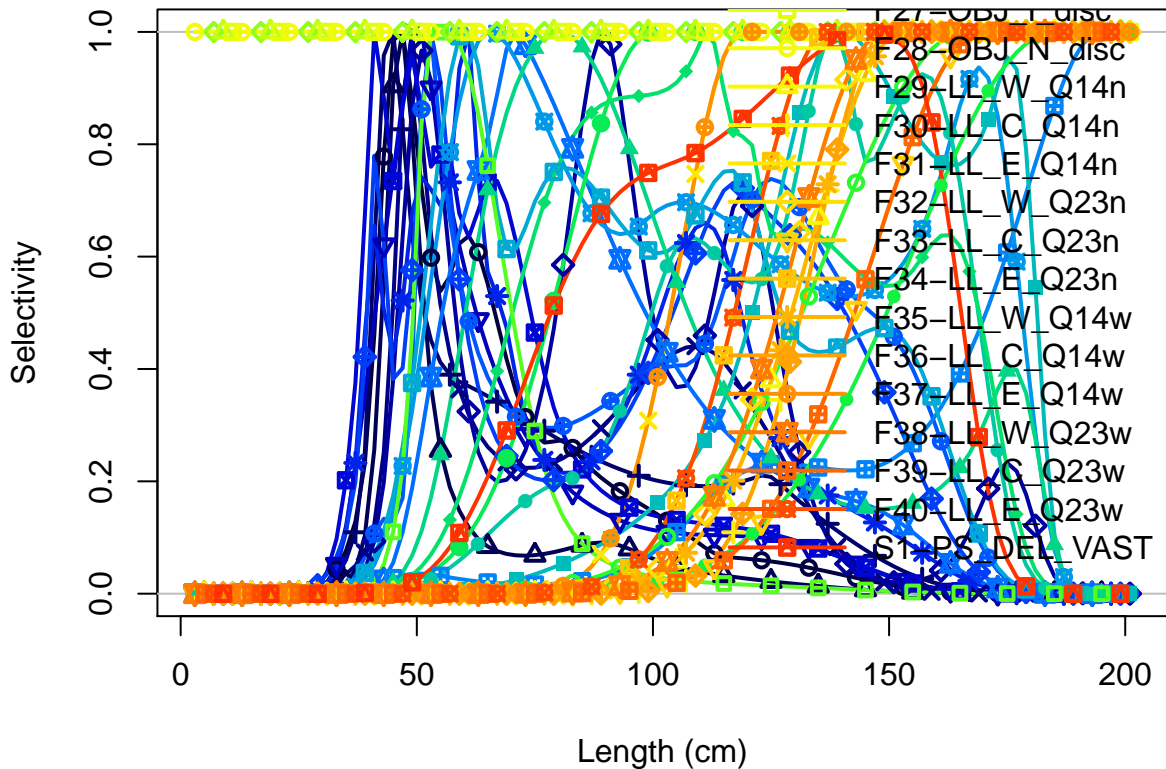
Male time-varying growth



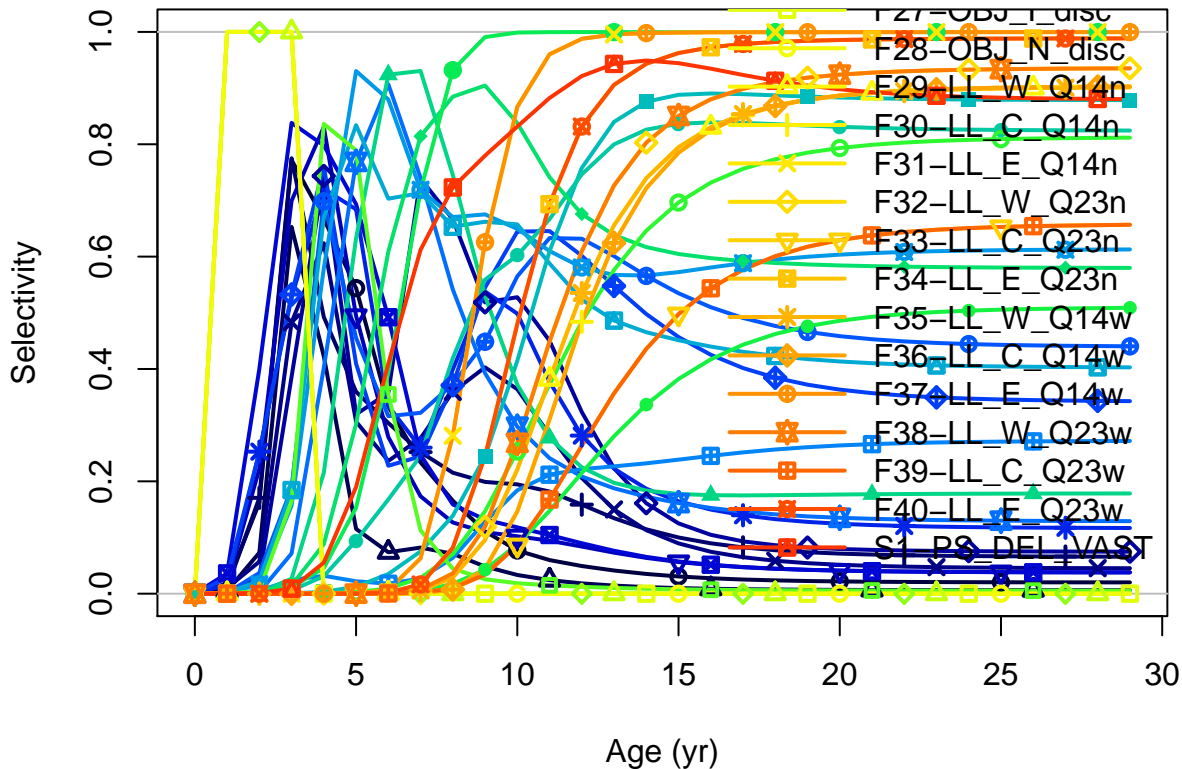
Male time-varying growth



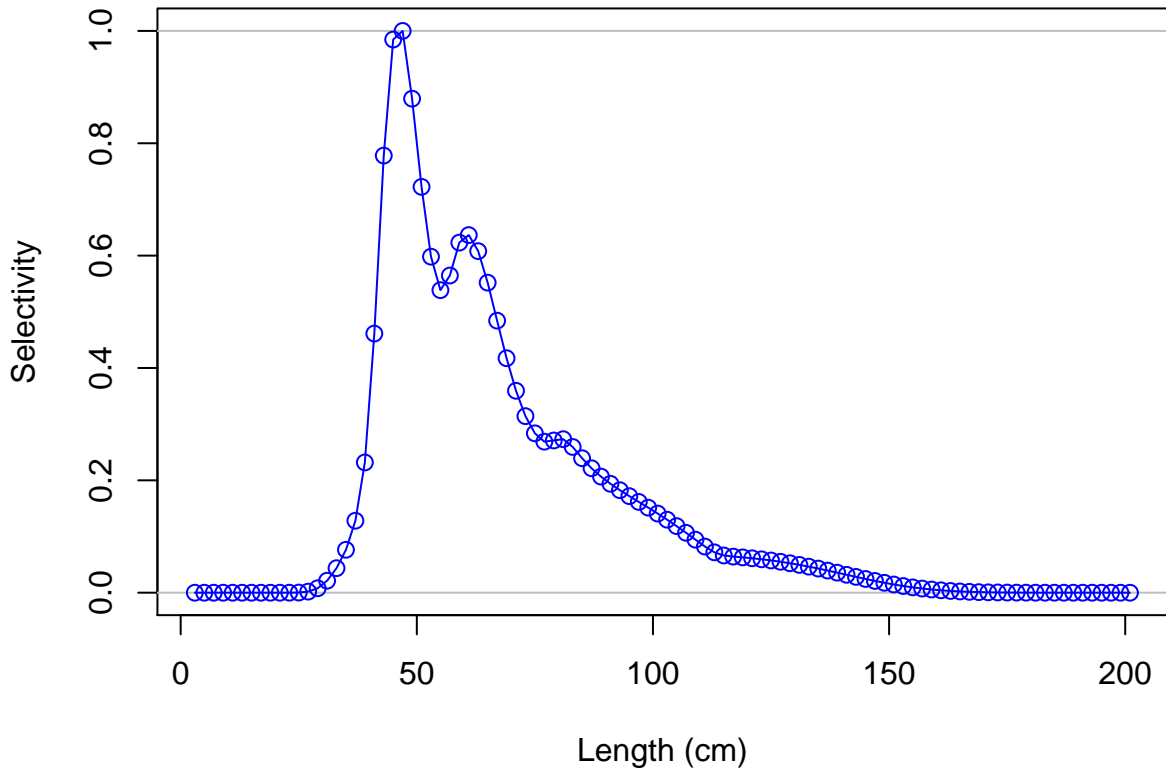
Length-based selectivity by fleet in 180



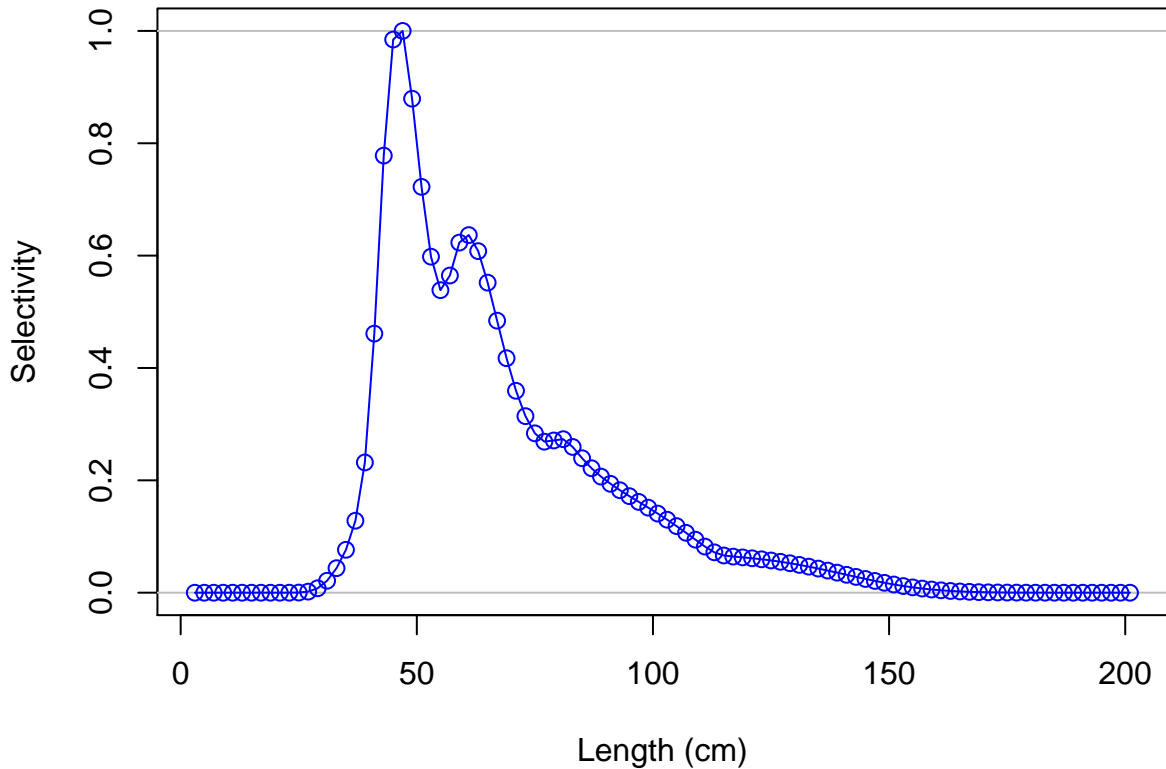
Derived age-based from length-based selectivity by fleet in 180



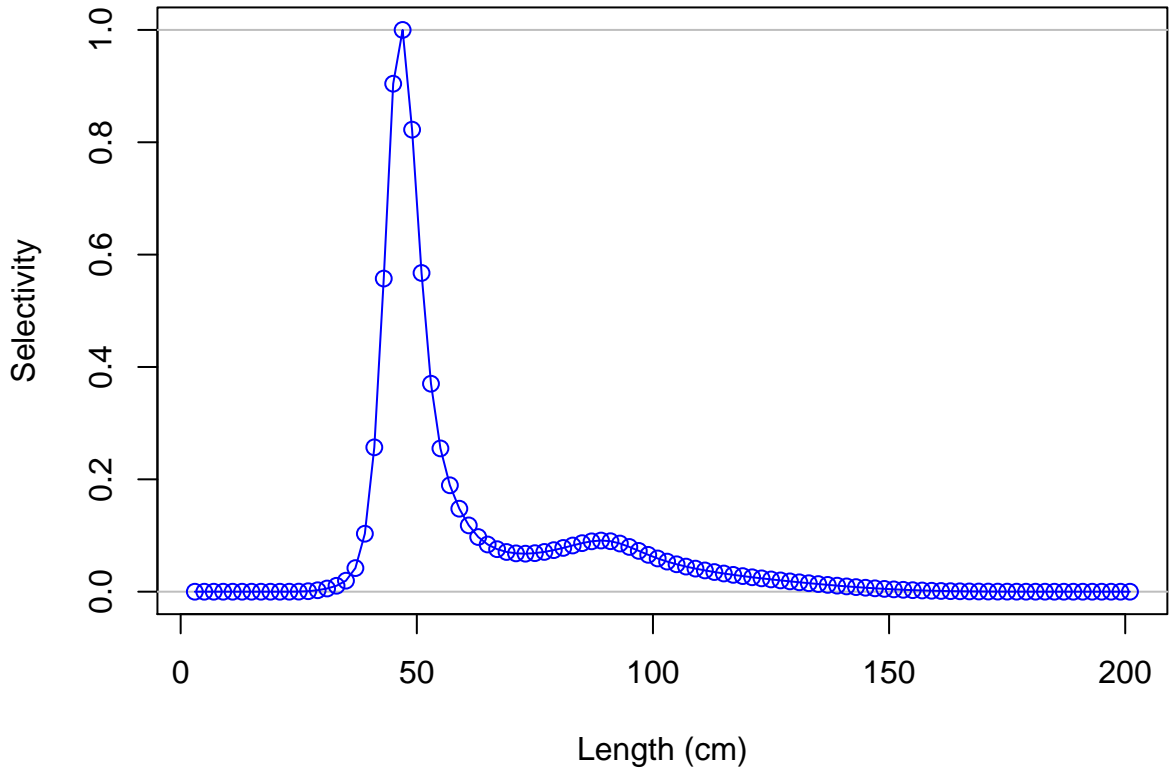
Female ending year selectivity for F1-Obj_N-Q14



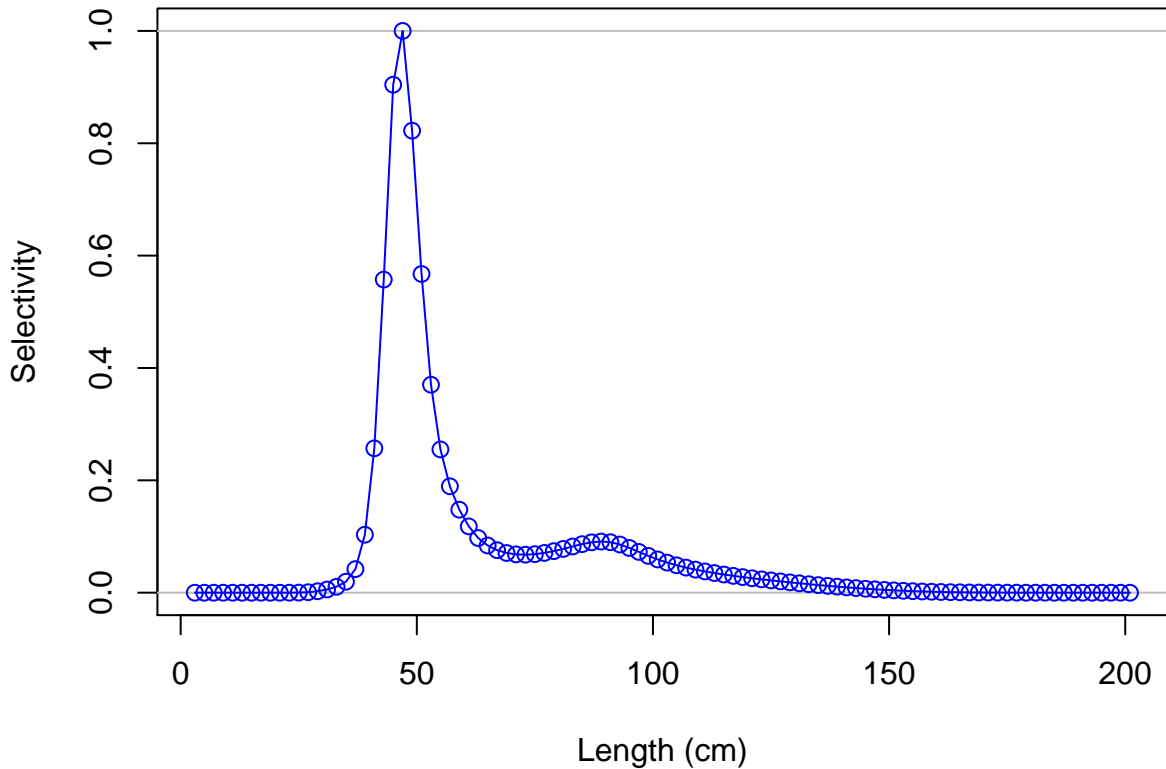
Male ending year selectivity for F1-OBJ_N-Q14



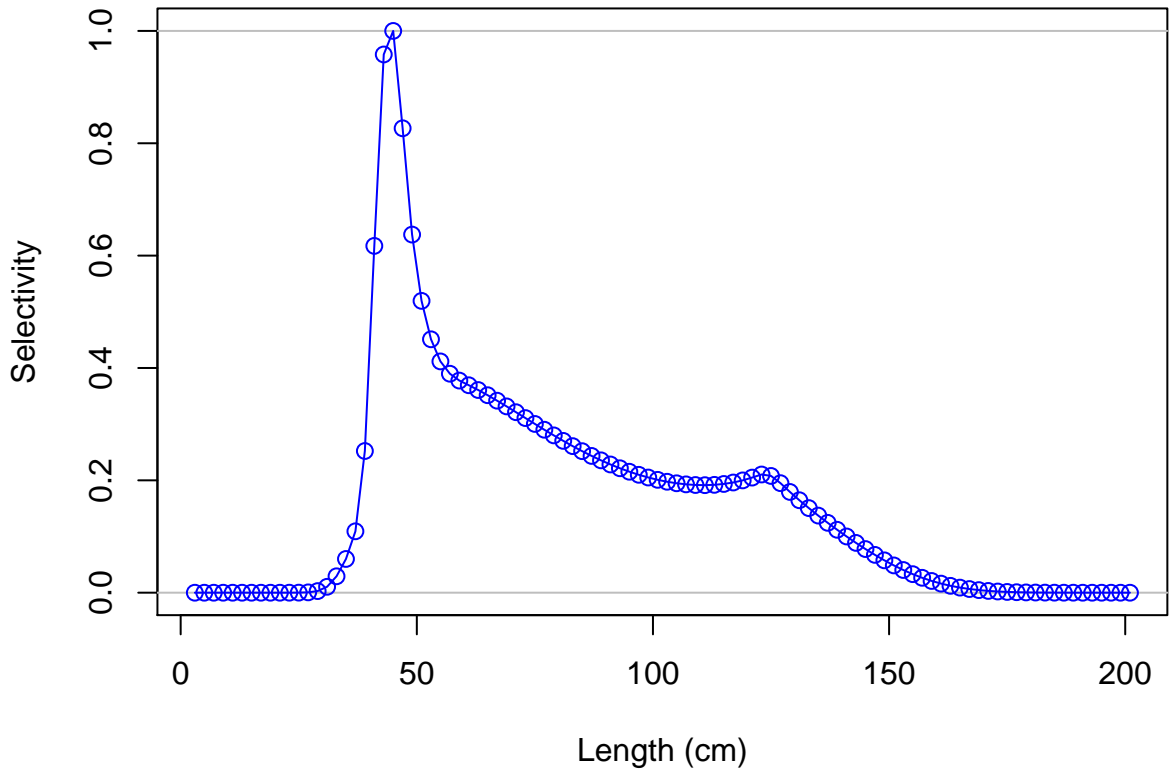
Female ending year selectivity for F2-OBJ_Nc_Q14



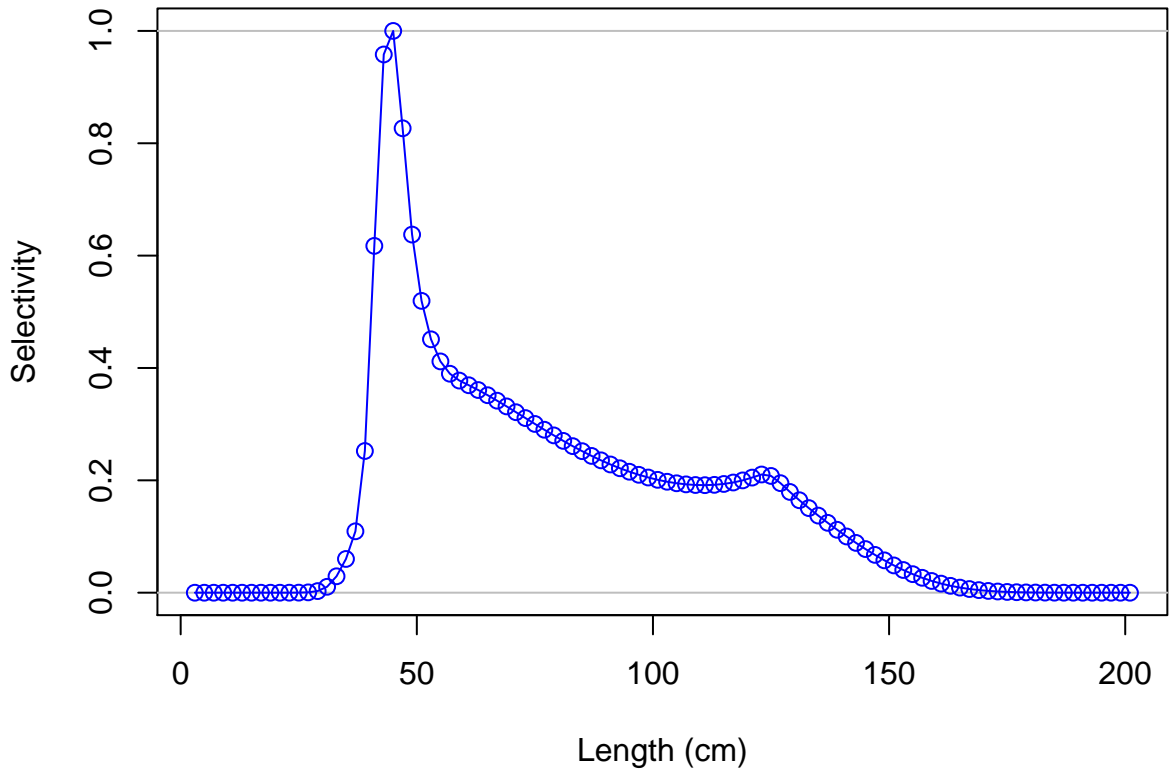
Male ending year selectivity for F2-OBJ_Nc_Q14



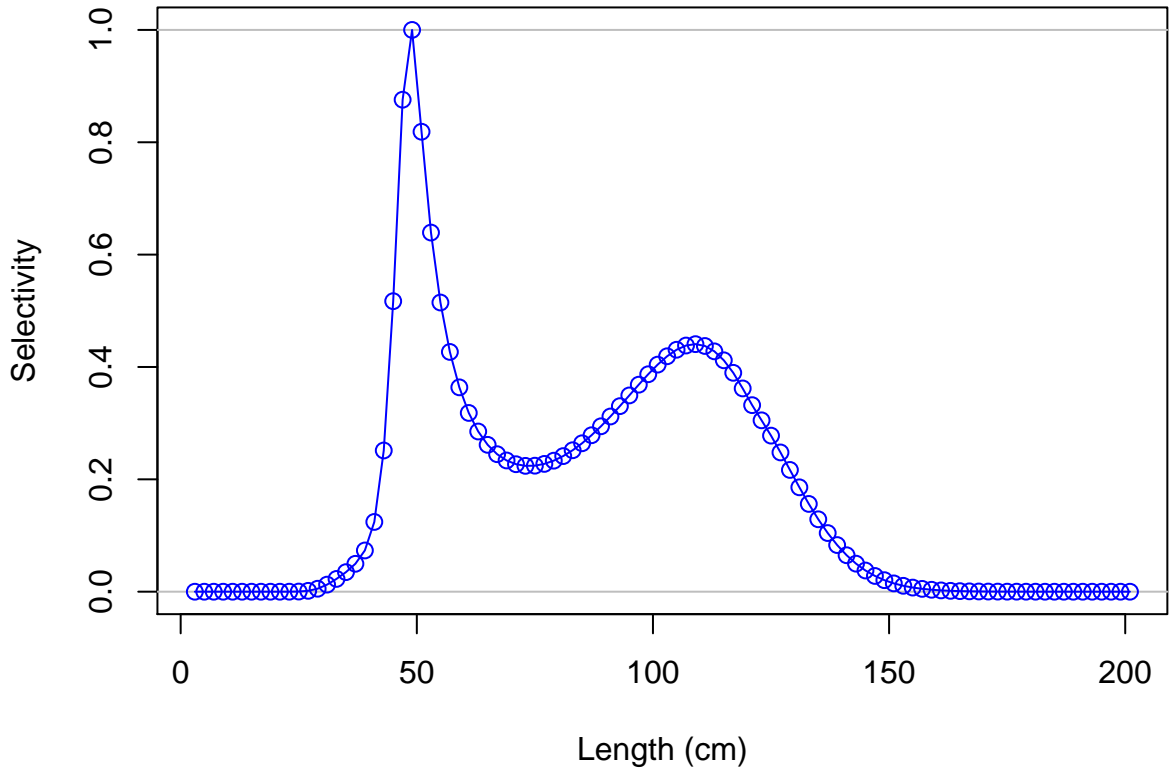
Female ending year selectivity for F3-OBJ_C_Q14



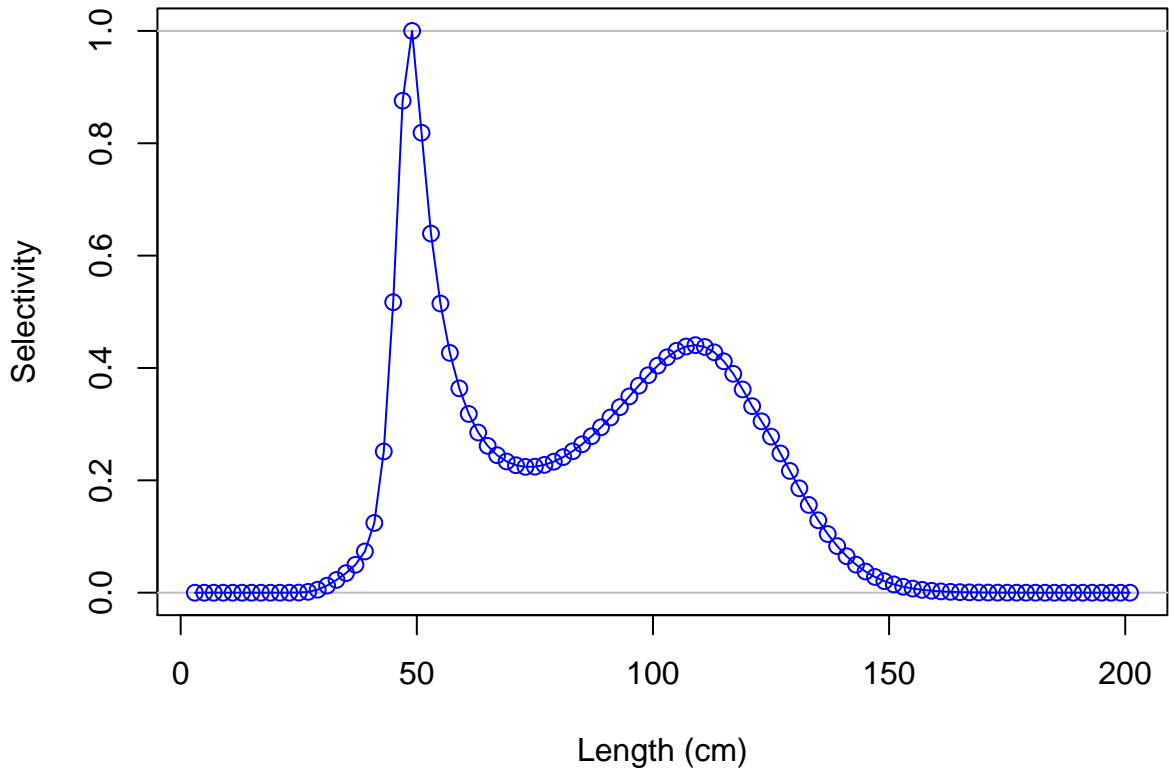
Male ending year selectivity for F3-OBJ_C_Q14



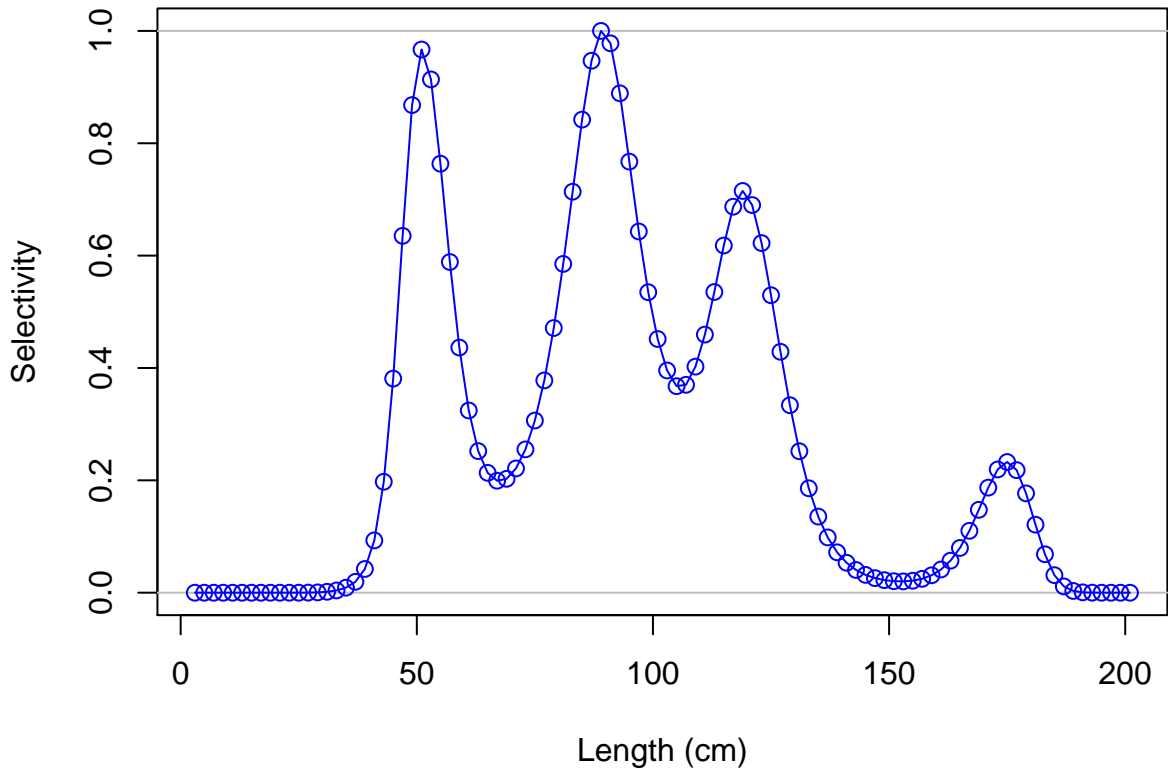
Female ending year selectivity for F4-OBJ_Cc_Q14



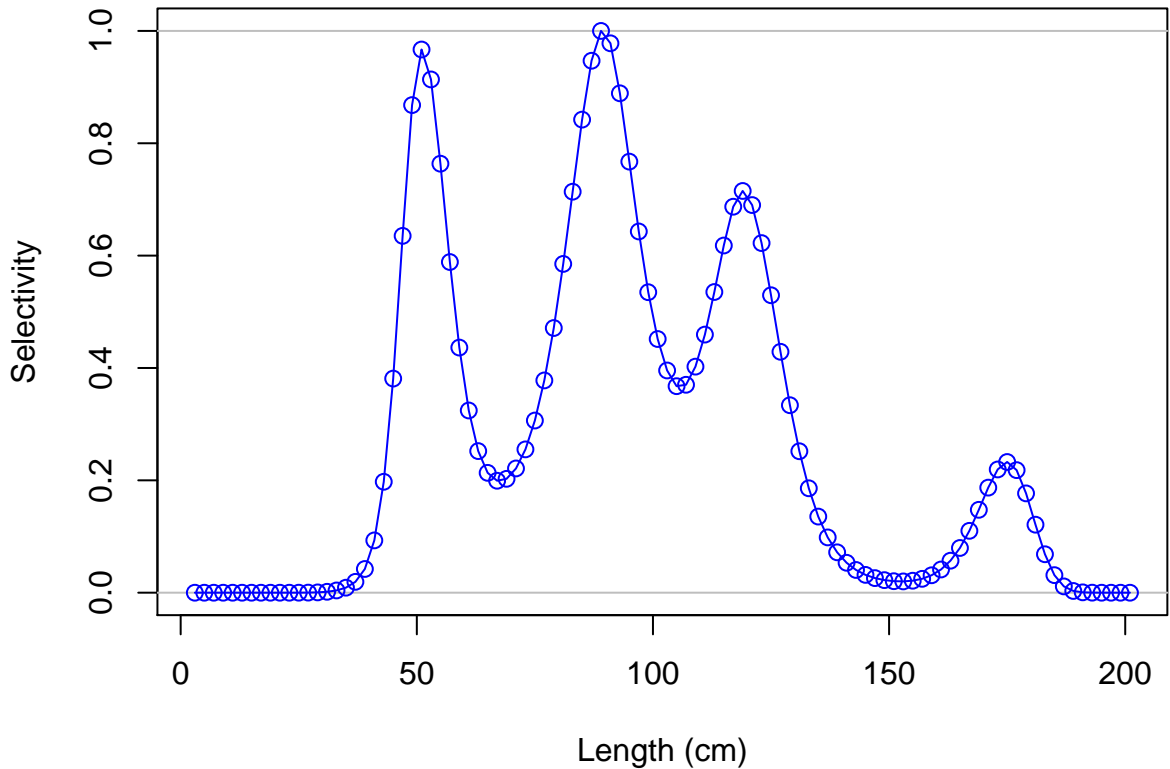
Male ending year selectivity for F4-Obj_Cc_Q14



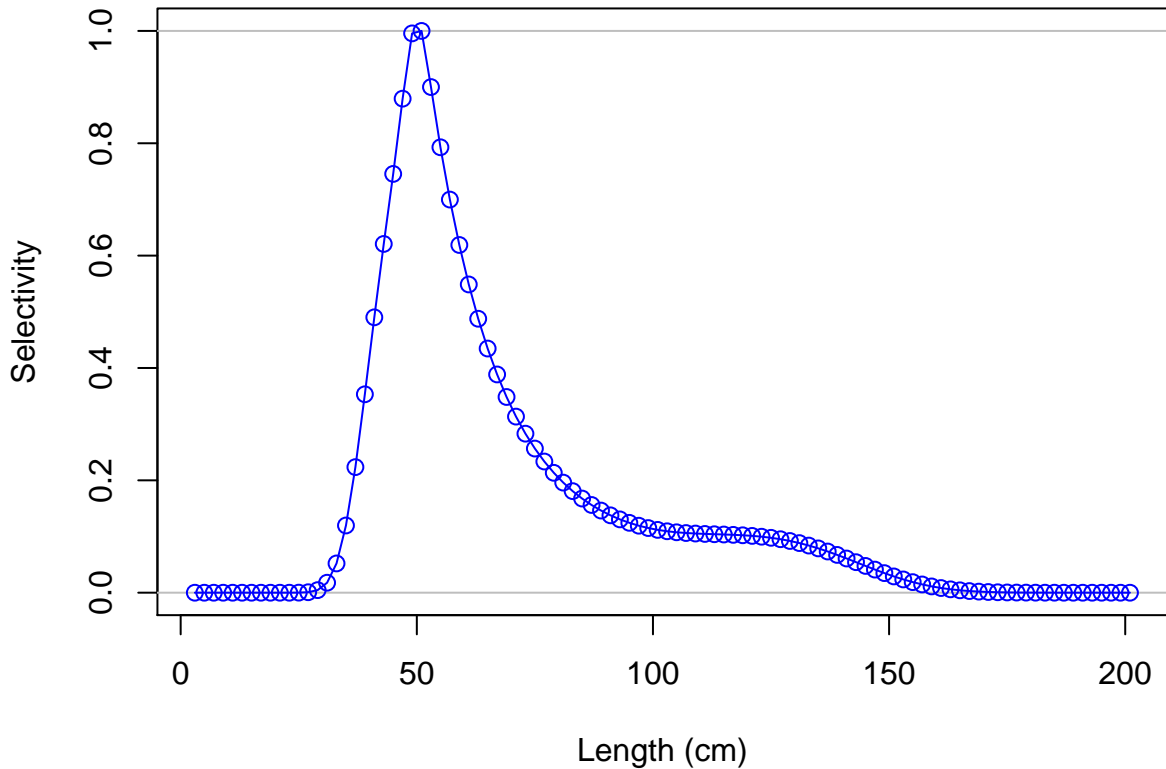
Female ending year selectivity for F5-OBJ_S_Q14



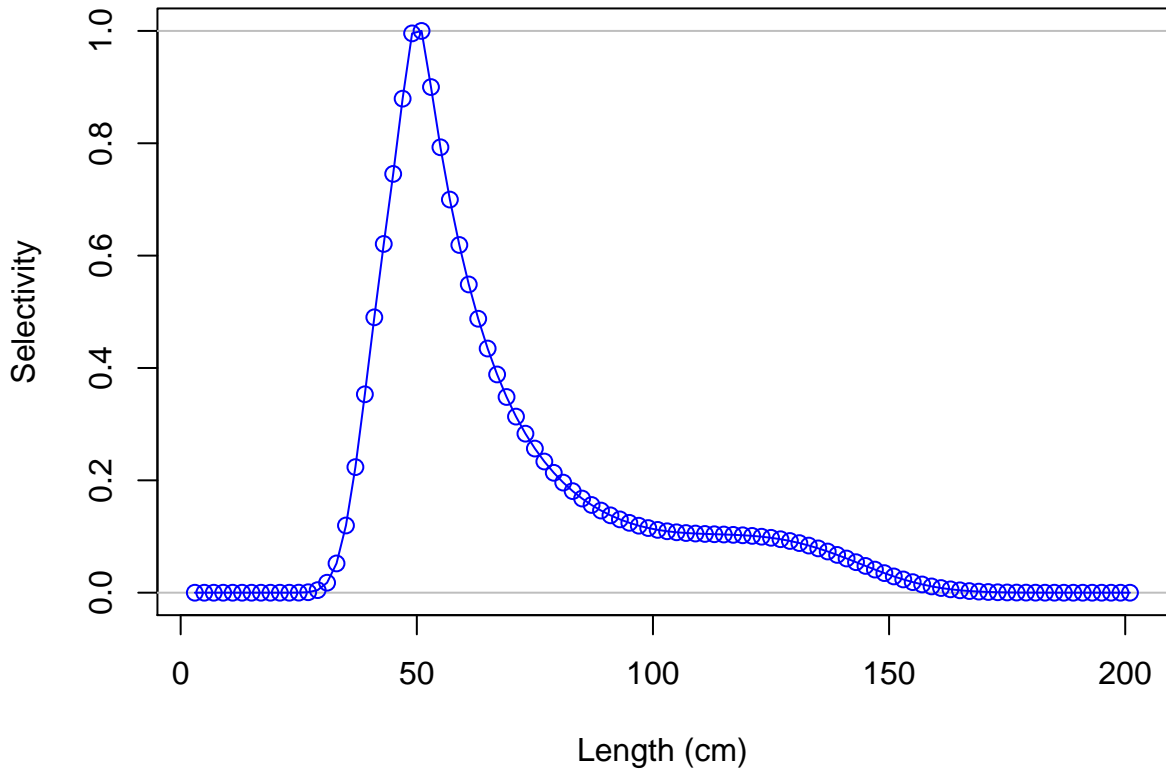
Male ending year selectivity for F5-OBJ_S_Q14



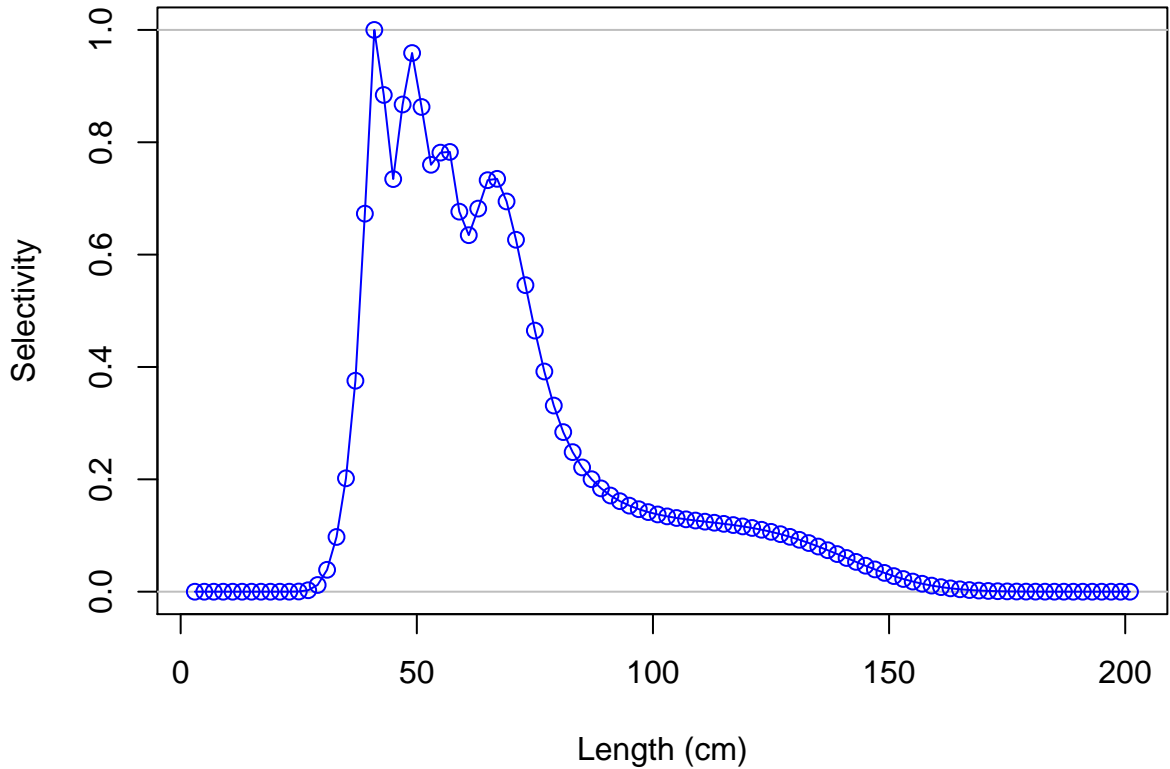
Female ending year selectivity for F6-OBJ_N_Q23



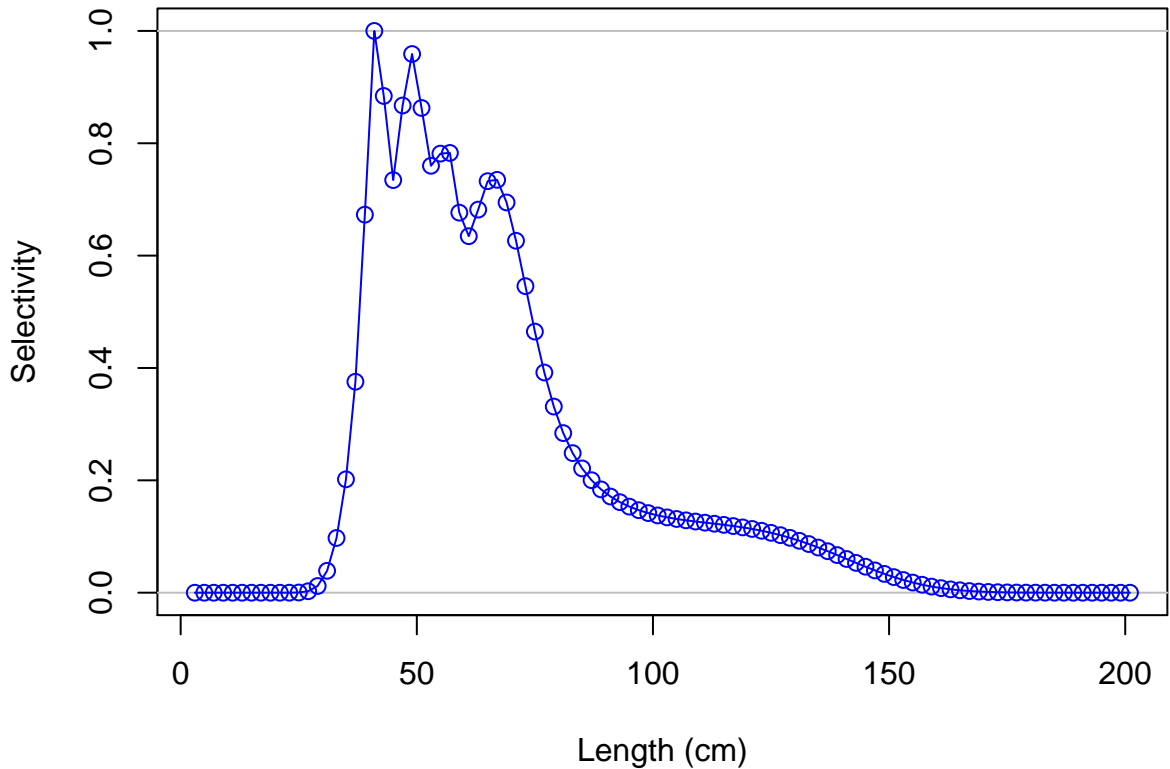
Male ending year selectivity for F6-OBJ_N_Q23



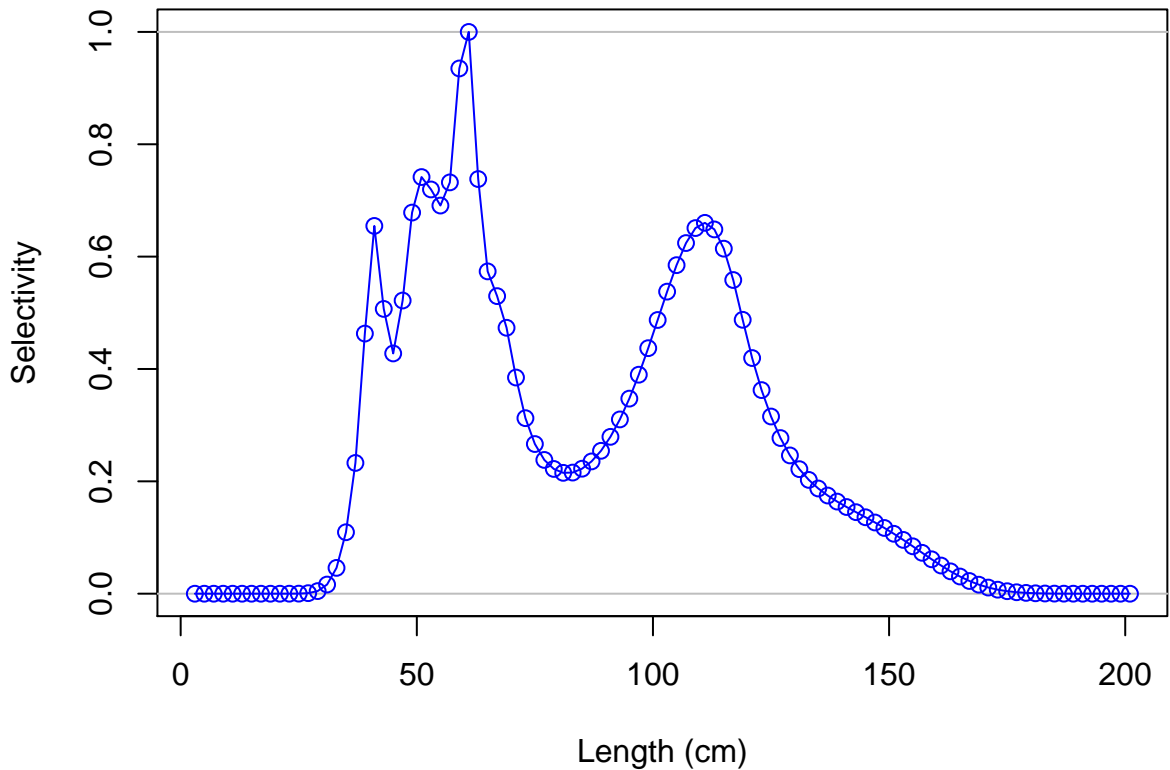
Female ending year selectivity for F7-OBJ_Nc_Q23



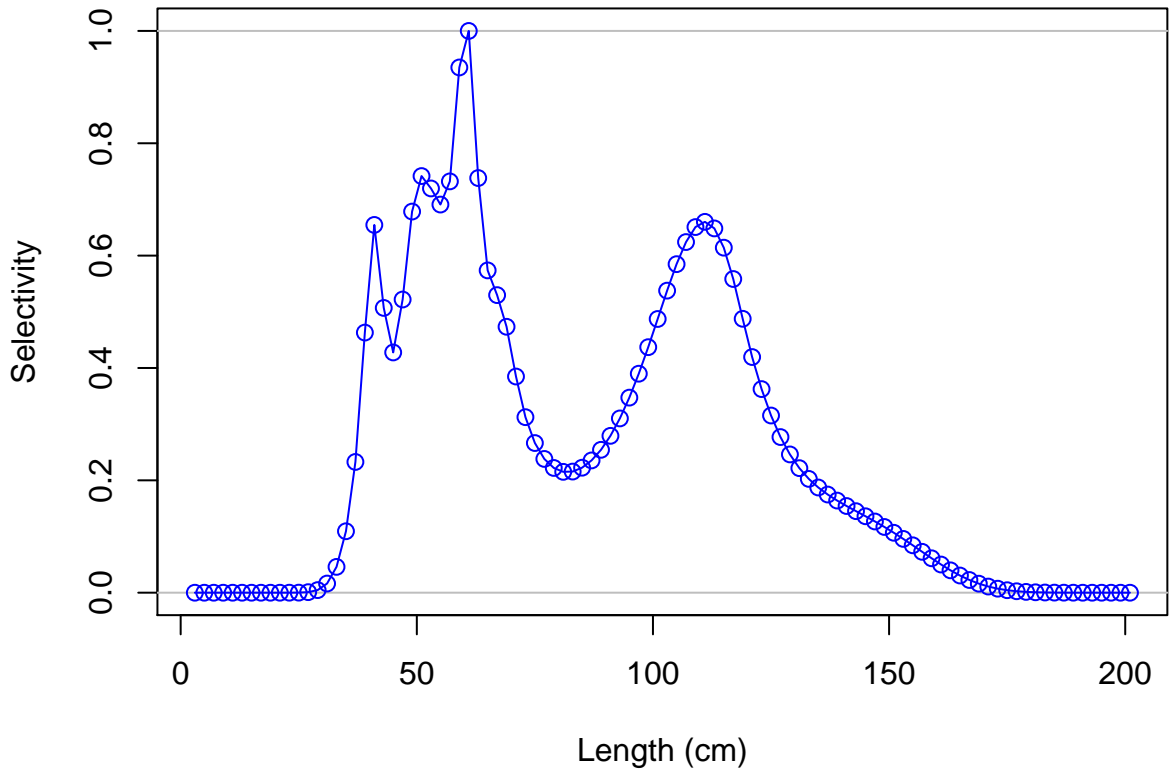
Male ending year selectivity for F7-OBJ_Nc_Q23



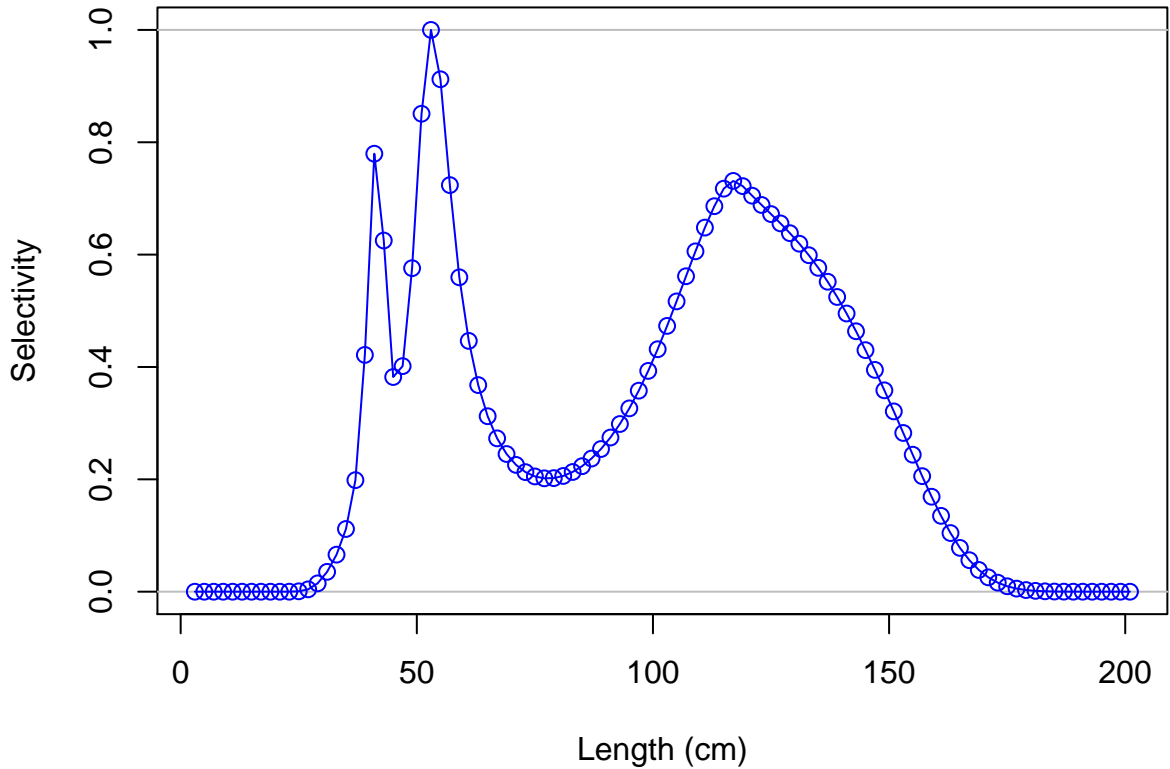
Female ending year selectivity for F8-OBJ_C_Q23



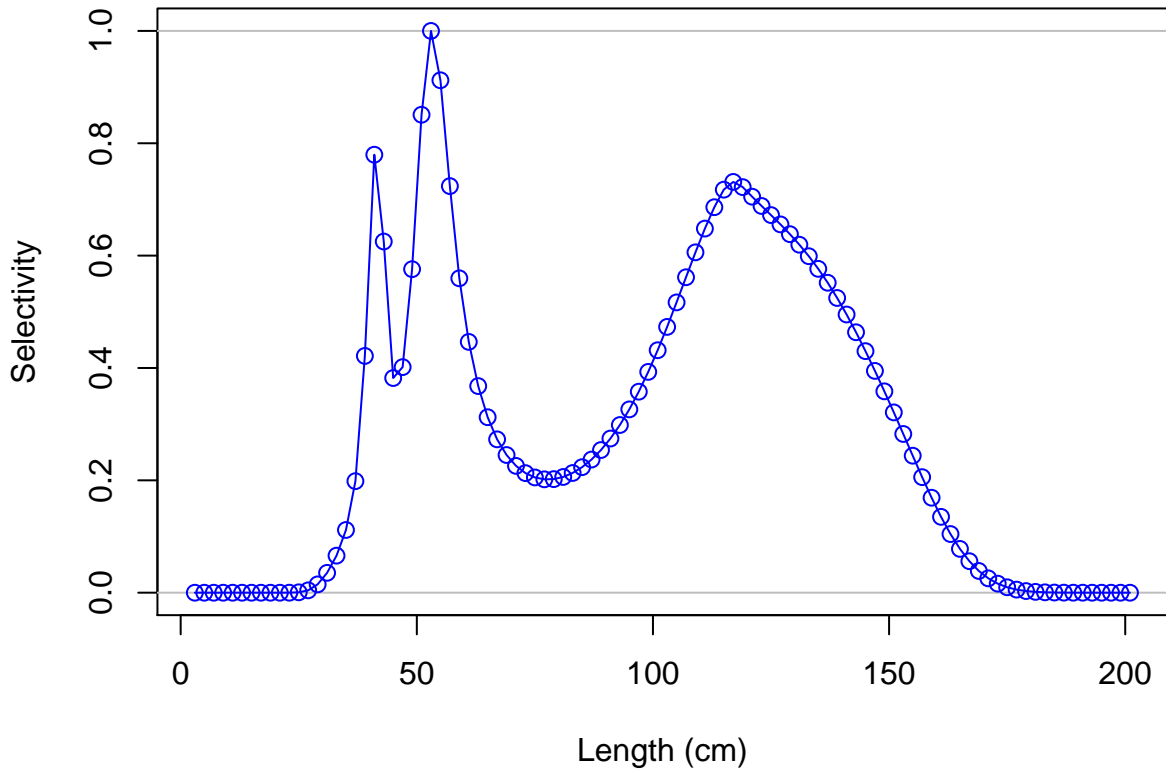
Male ending year selectivity for F8-OBJ_C_Q23



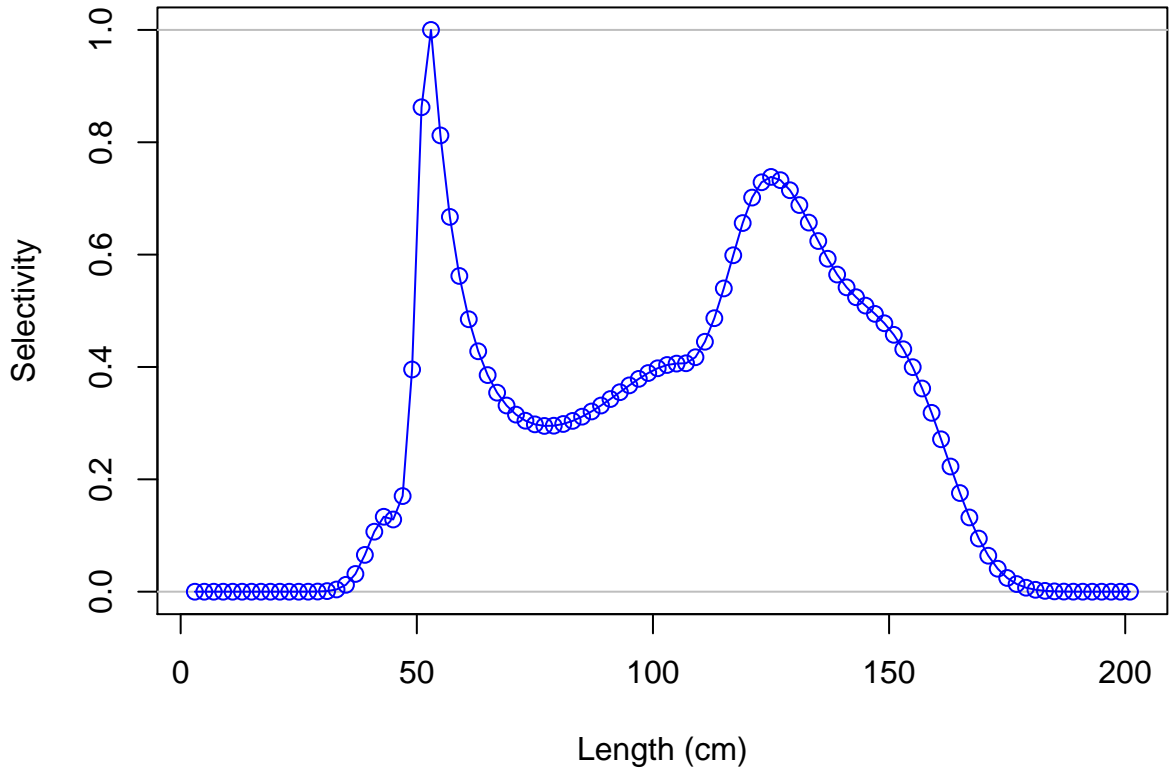
Female ending year selectivity for F9-OBJ_Cc_Q23



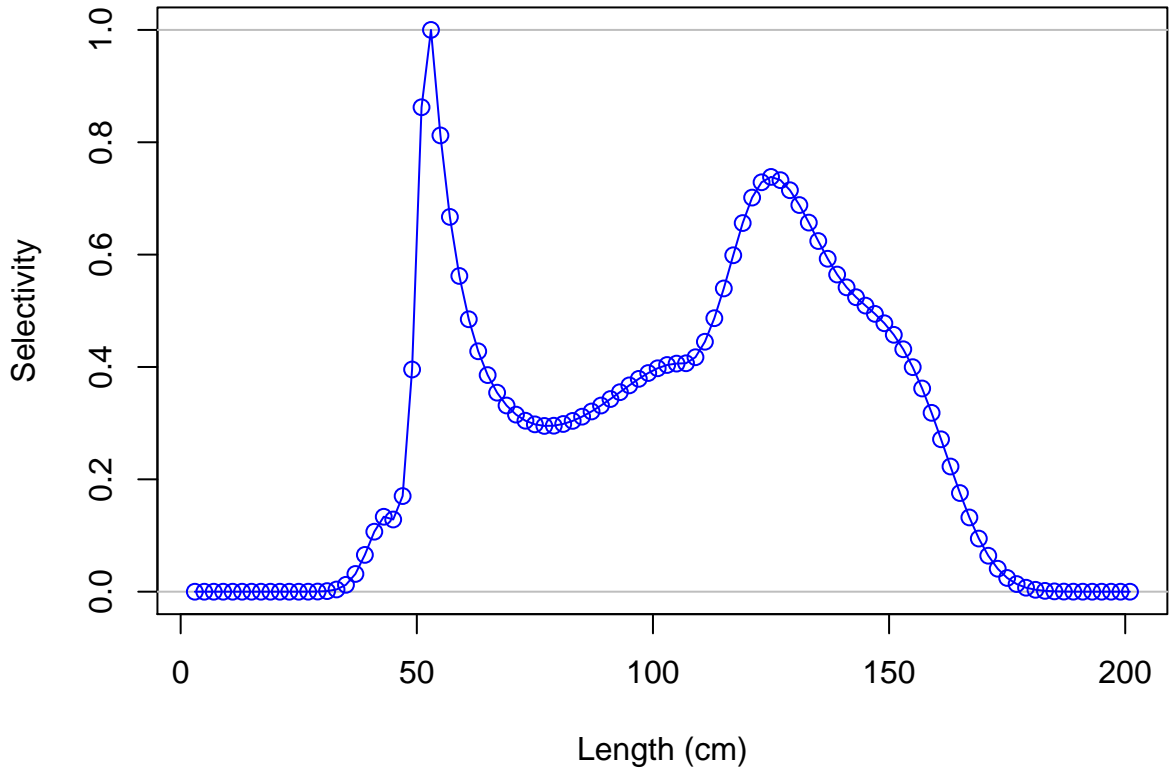
Male ending year selectivity for F9-Obj_Cc_Q23



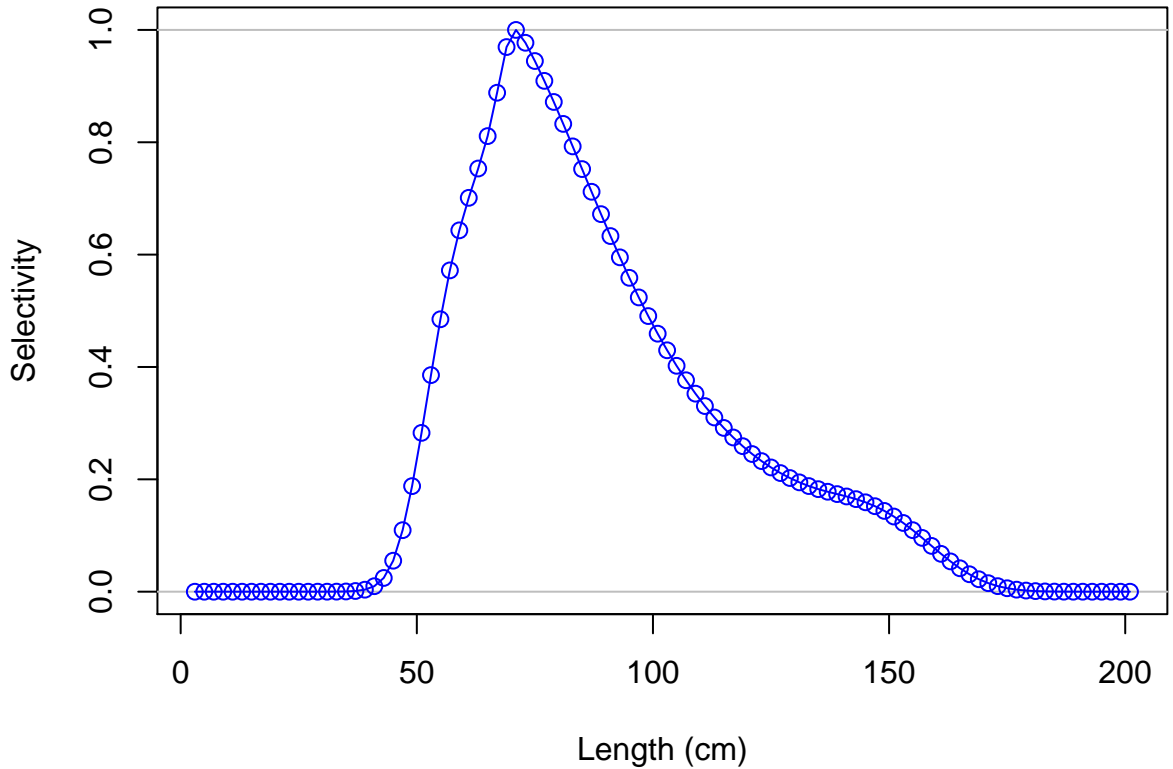
Female ending year selectivity for F10-OBJ_S_Q23



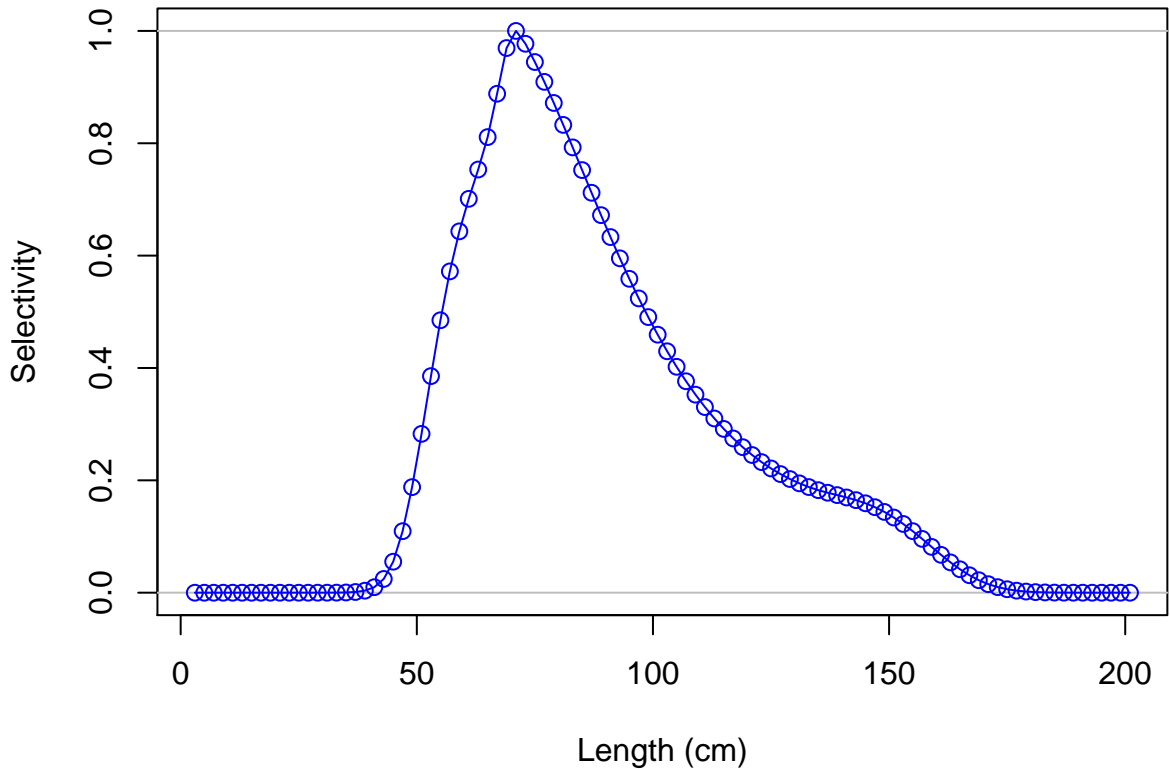
Male ending year selectivity for F10-OBJ_S_Q23



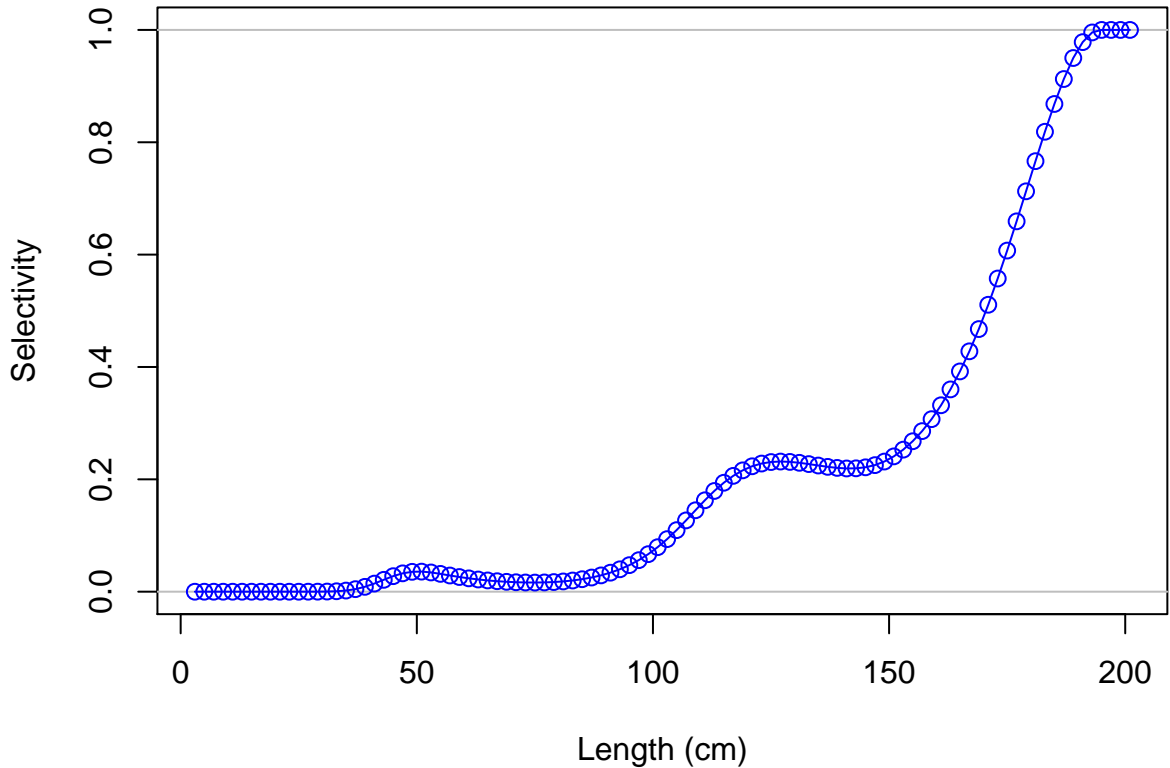
Female ending year selectivity for F11-NOA_N



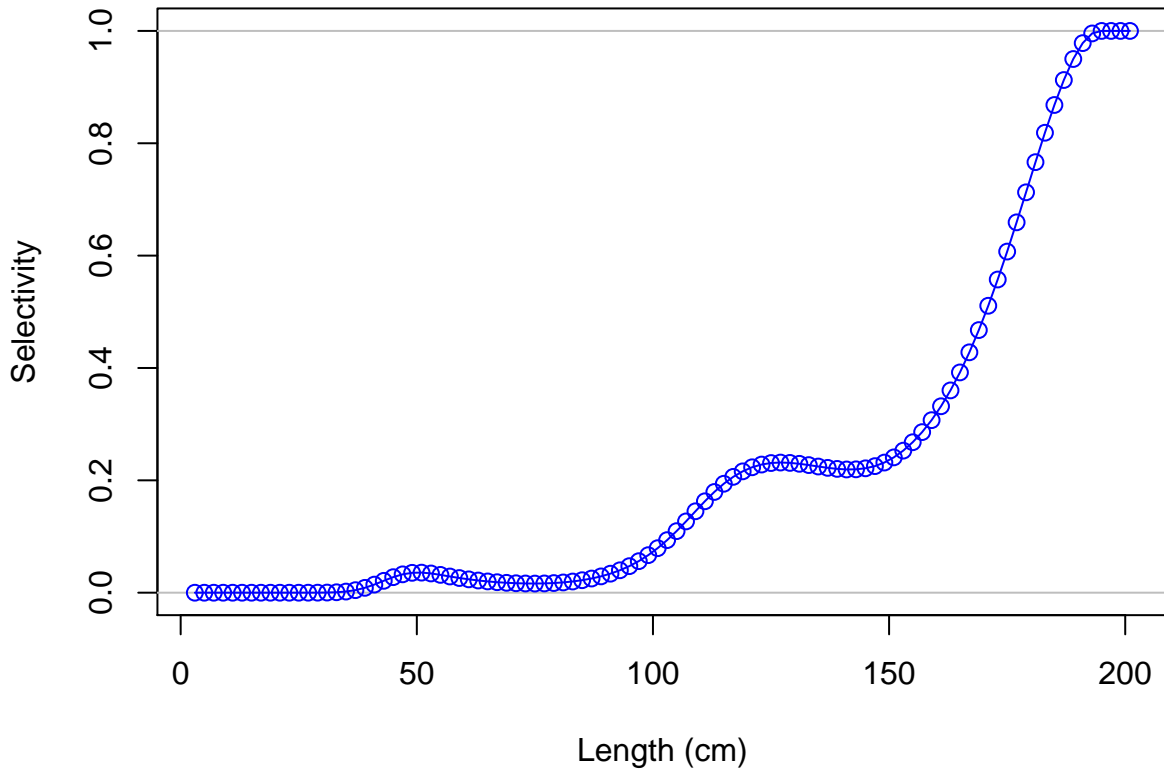
Male ending year selectivity for F11-NOA_N



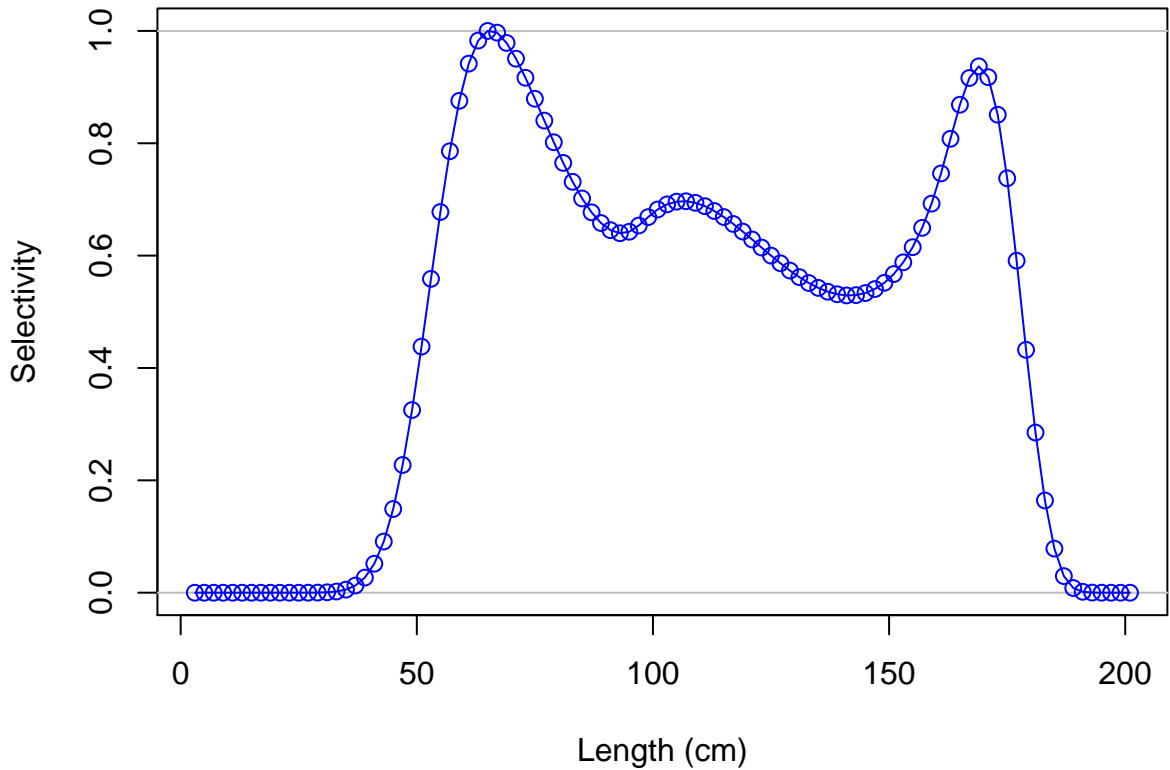
Female ending year selectivity for F12-NOA_C



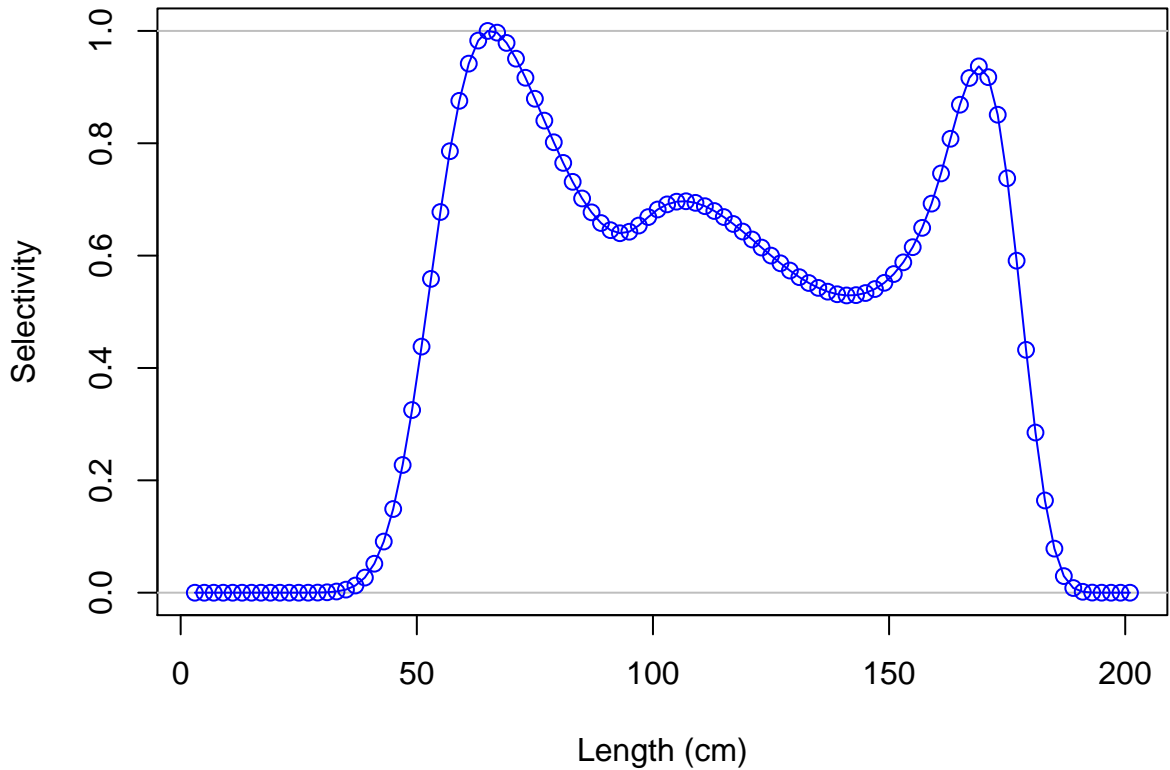
Male ending year selectivity for F12-NOA_C



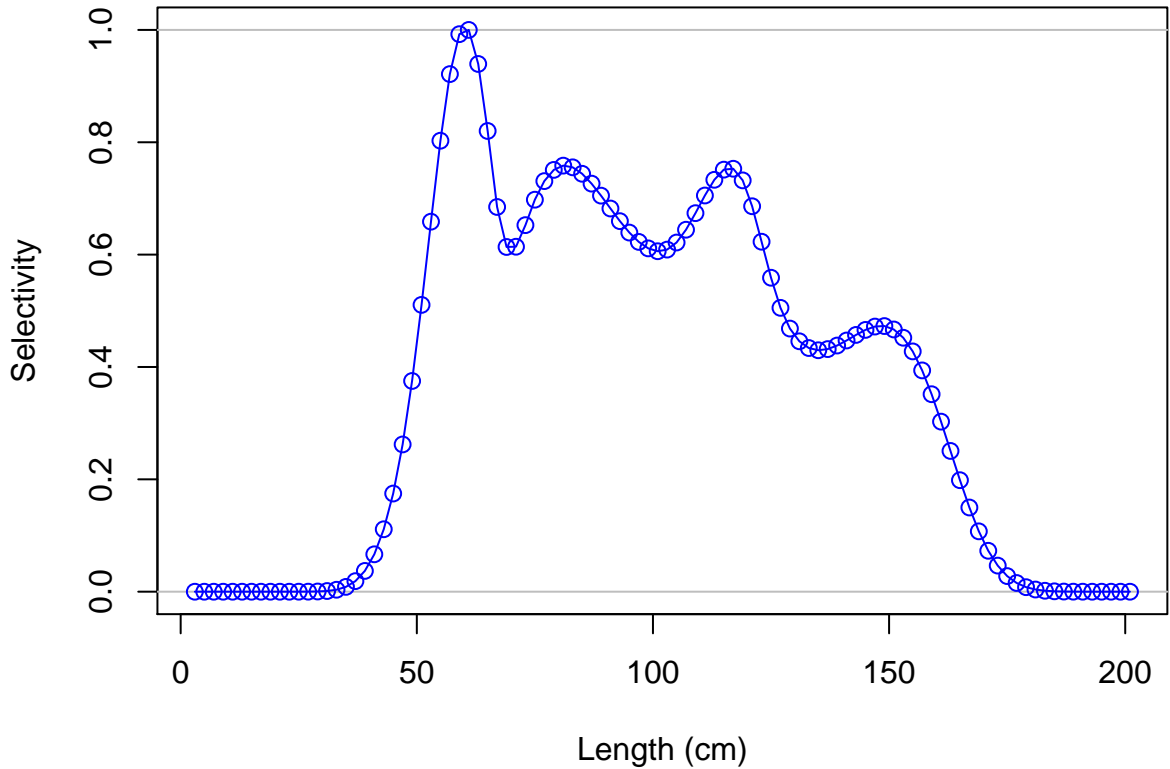
Female ending year selectivity for F13-NOA_I



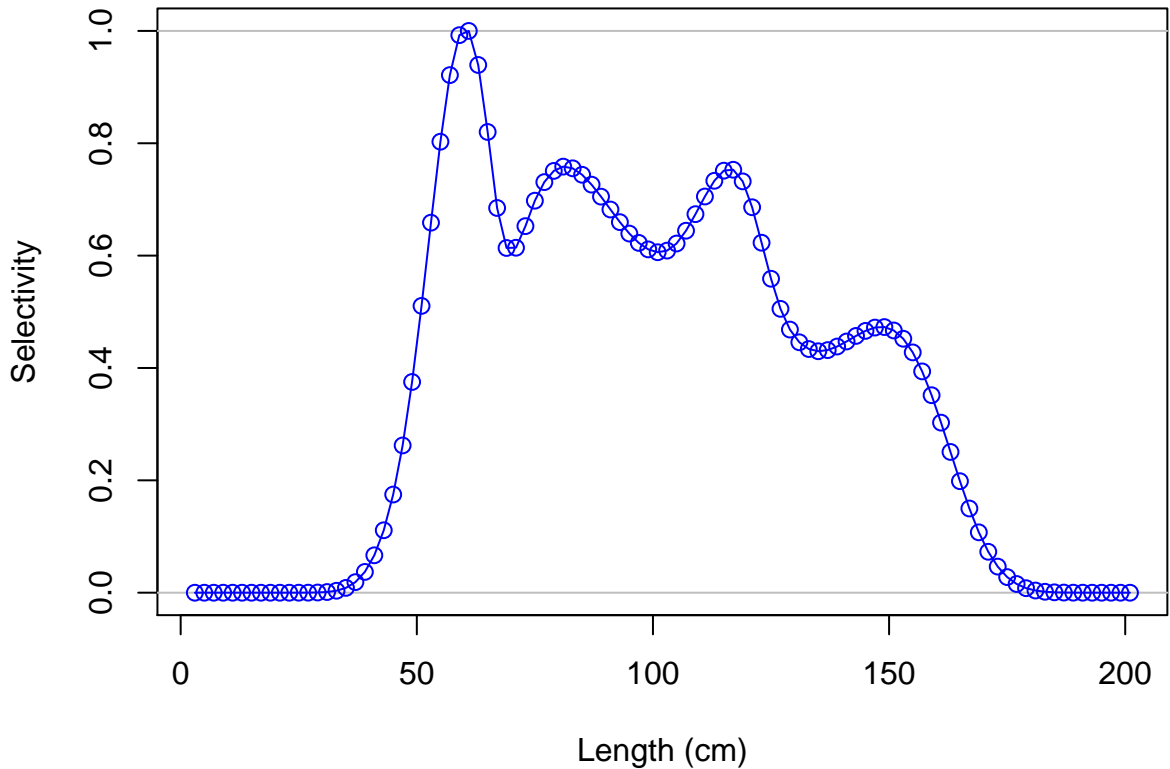
Male ending year selectivity for F13-NOA_I



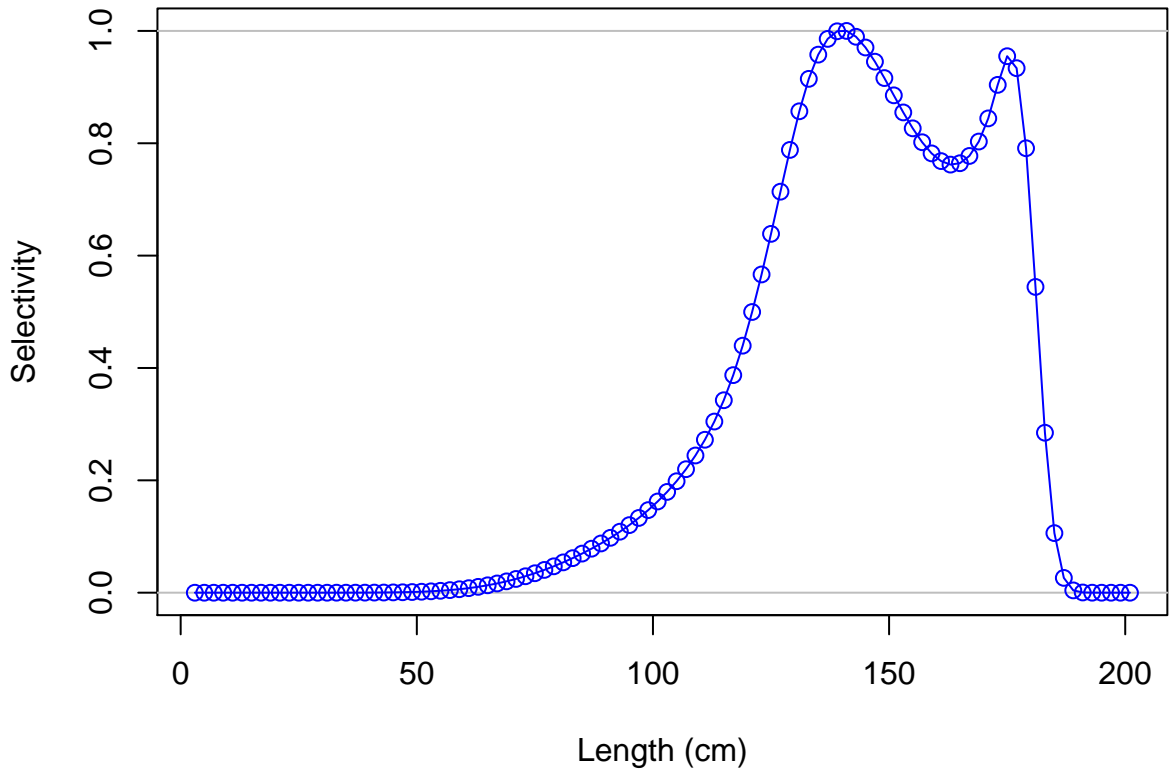
Female ending year selectivity for F14-NOA_S



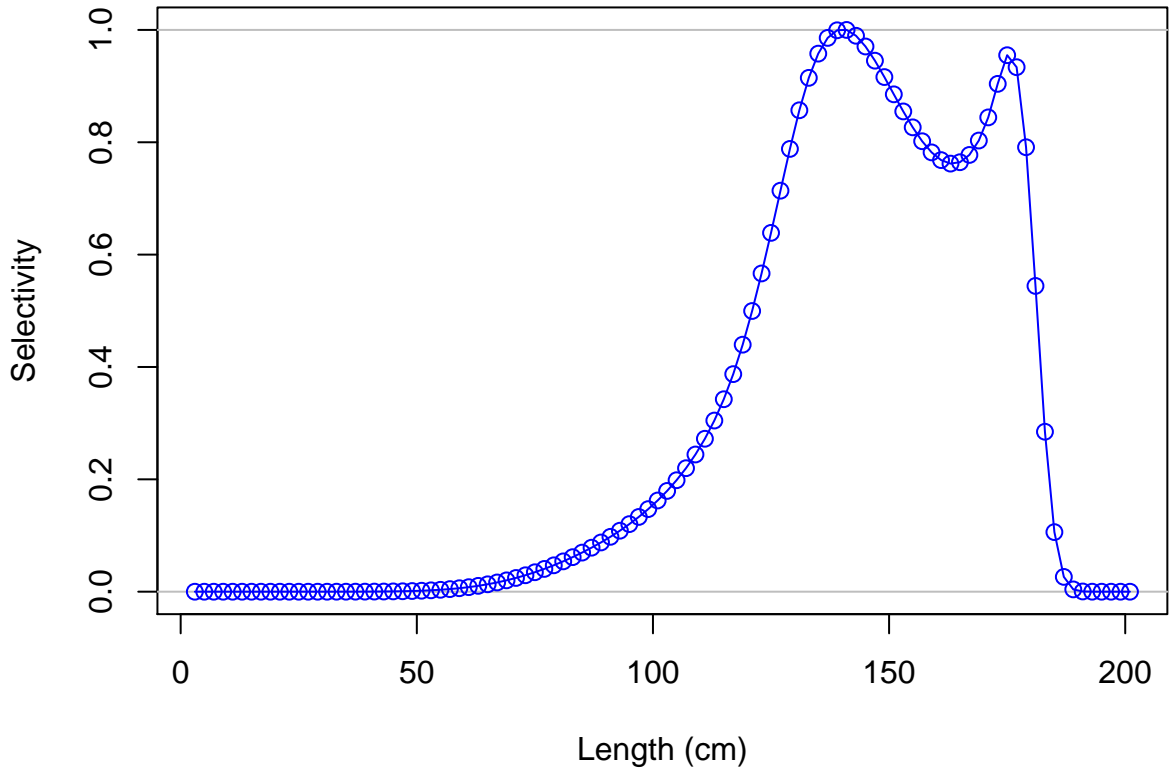
Male ending year selectivity for F14-NOA_S



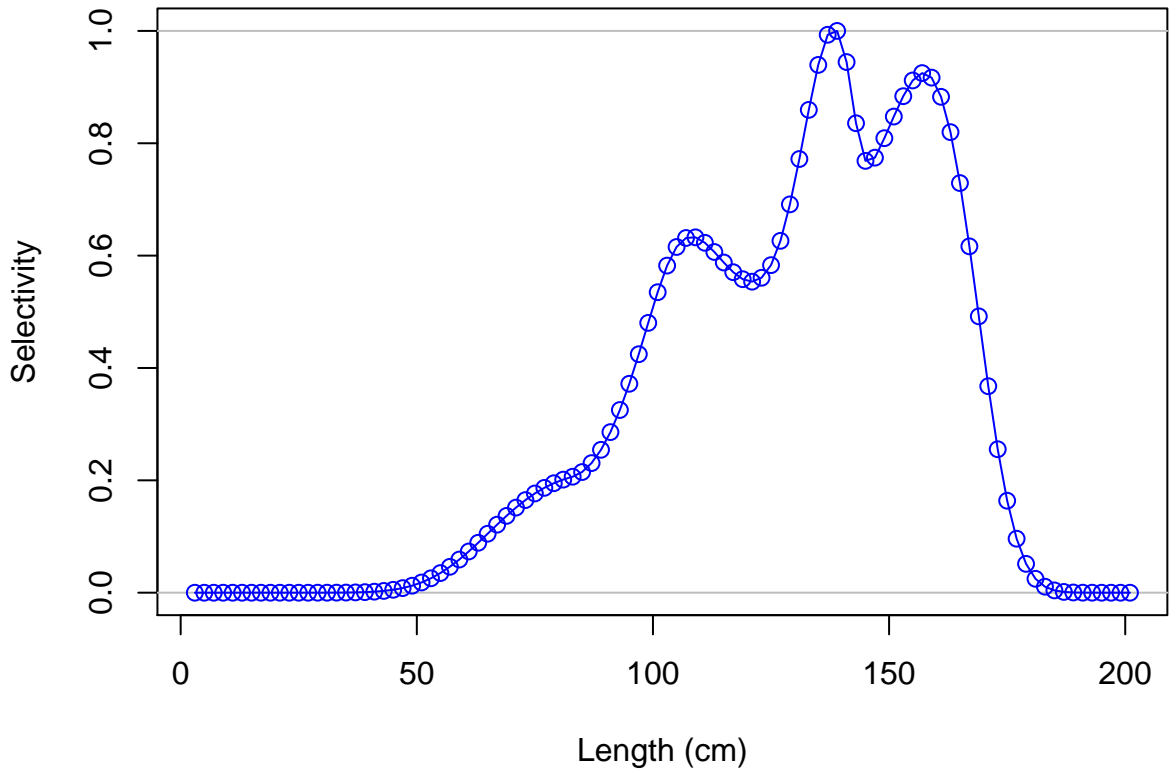
Female ending year selectivity for F15-DEL_N



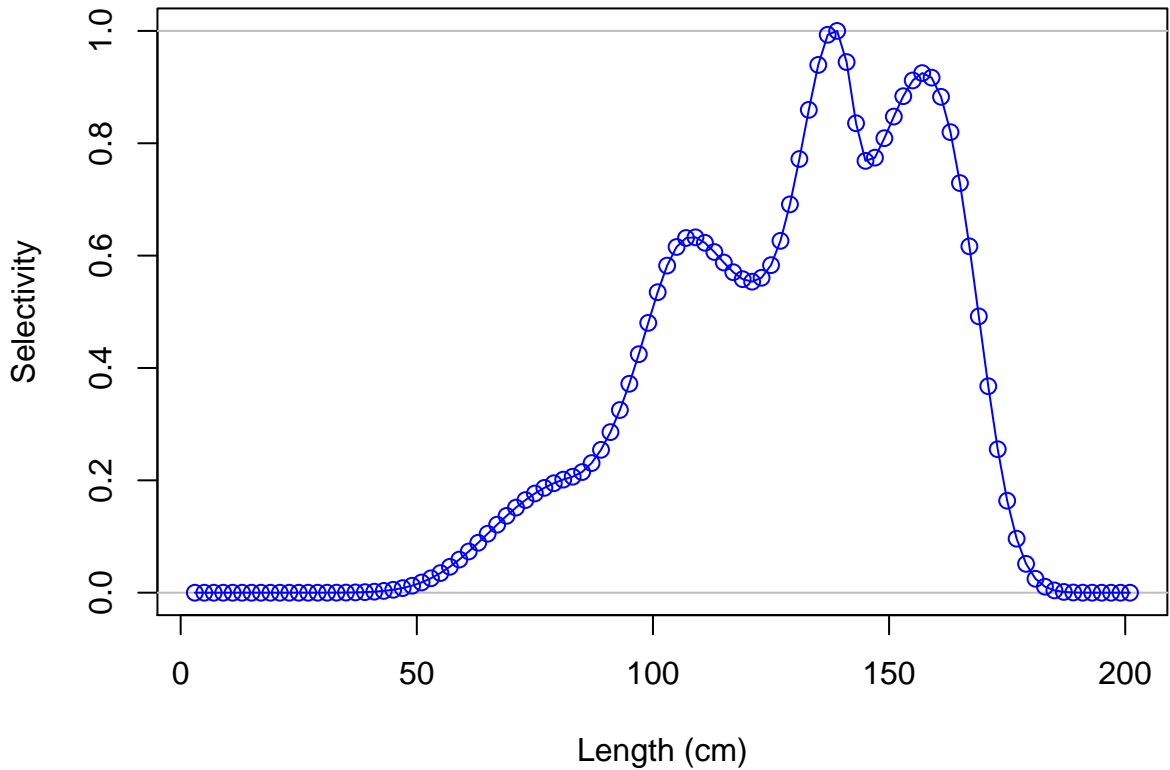
Male ending year selectivity for F15-DEL_N



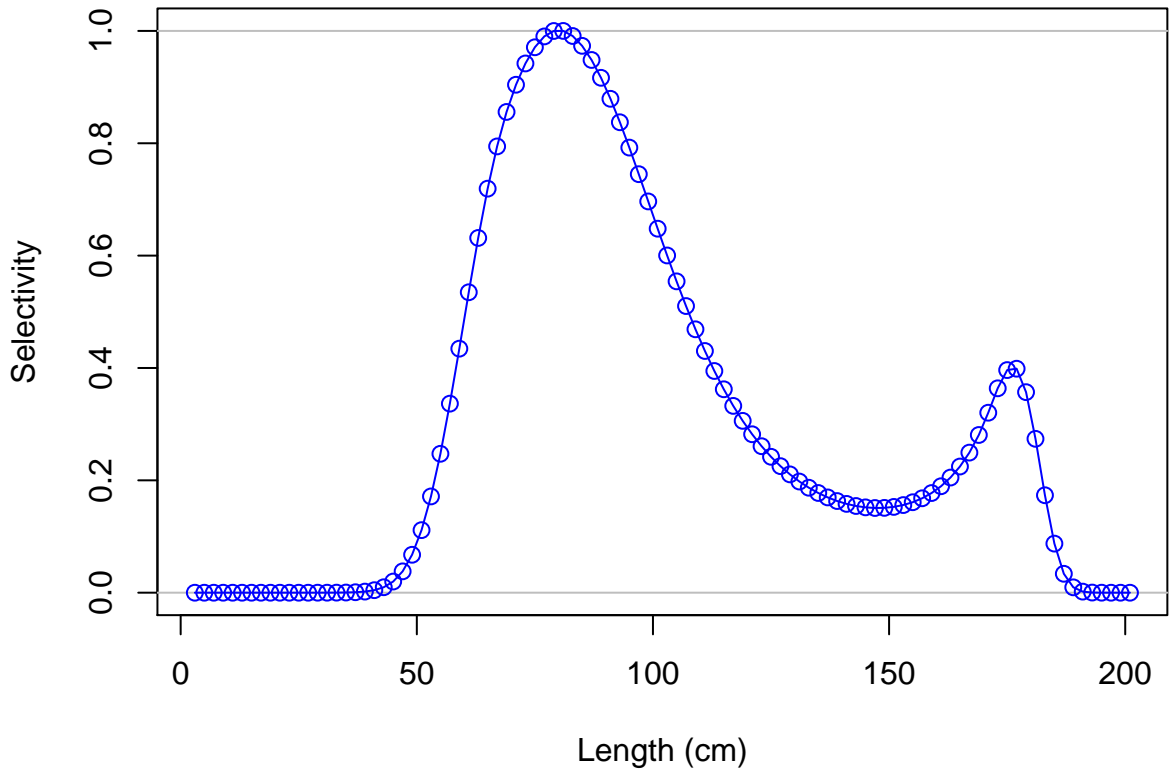
Female ending year selectivity for F16-DEL_NE



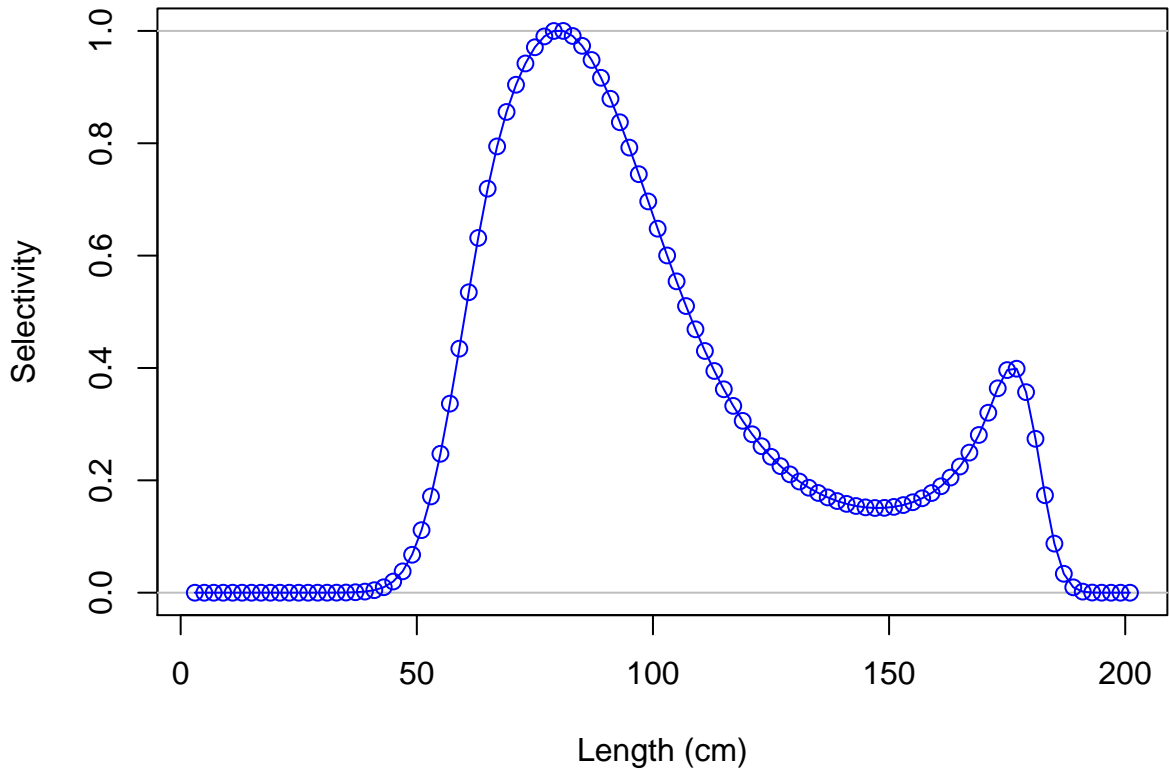
Male ending year selectivity for F16-DEL_NE



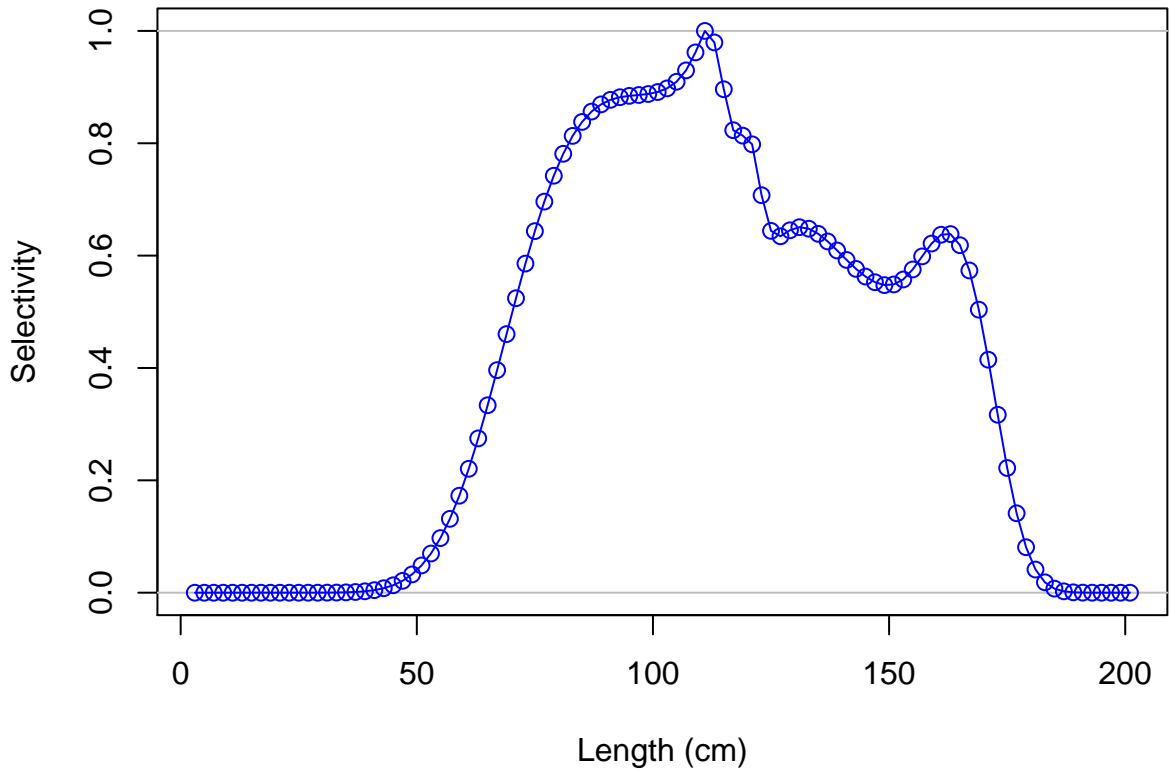
Female ending year selectivity for F17-DEL_M



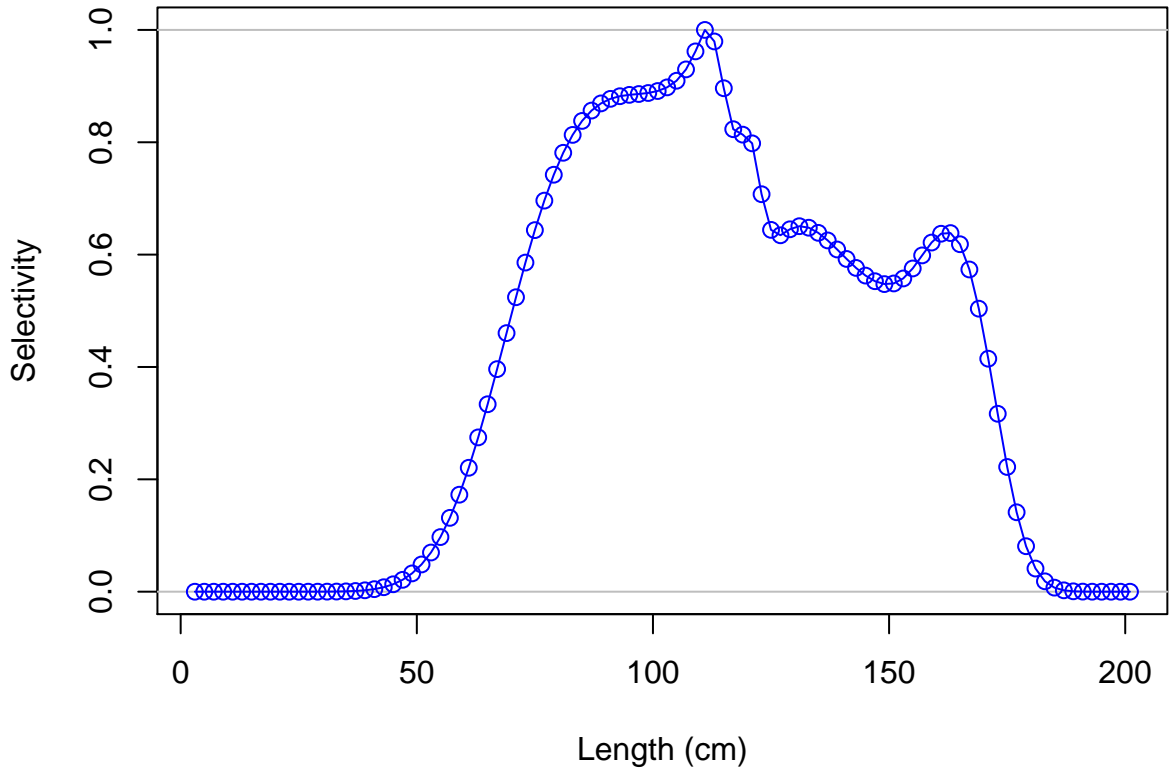
Male ending year selectivity for F17-DEL_M



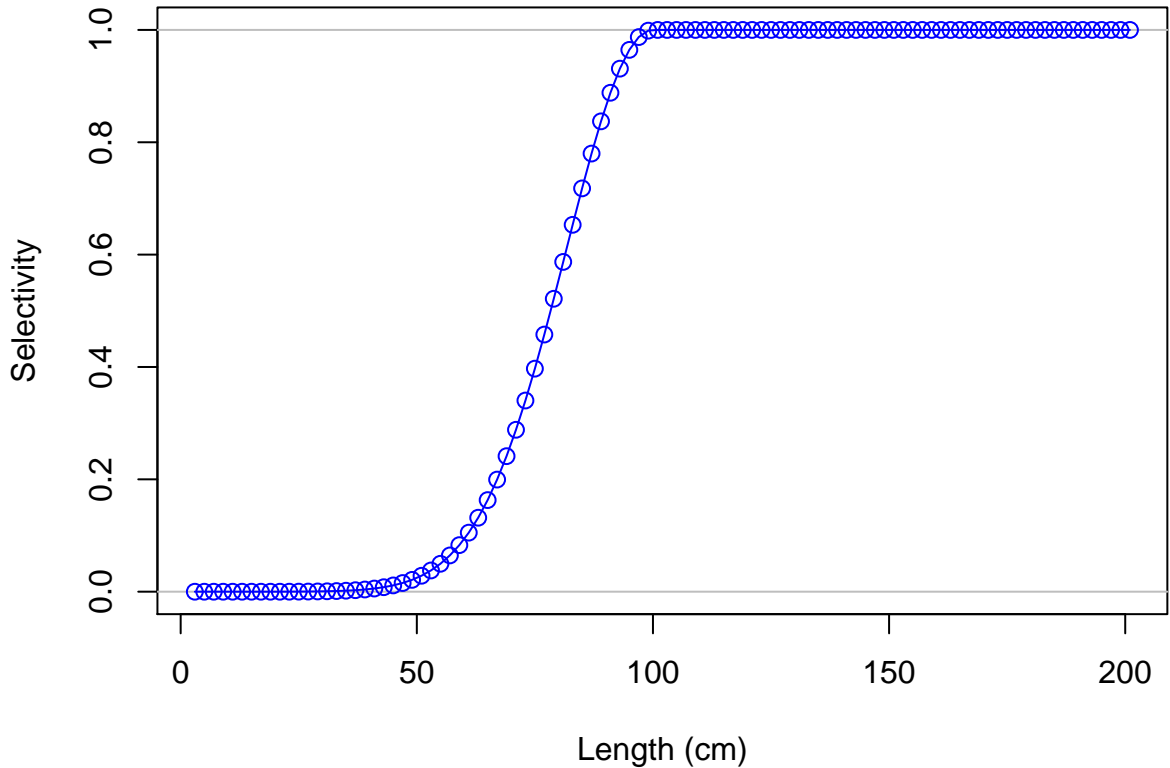
Female ending year selectivity for F18-DEL_C



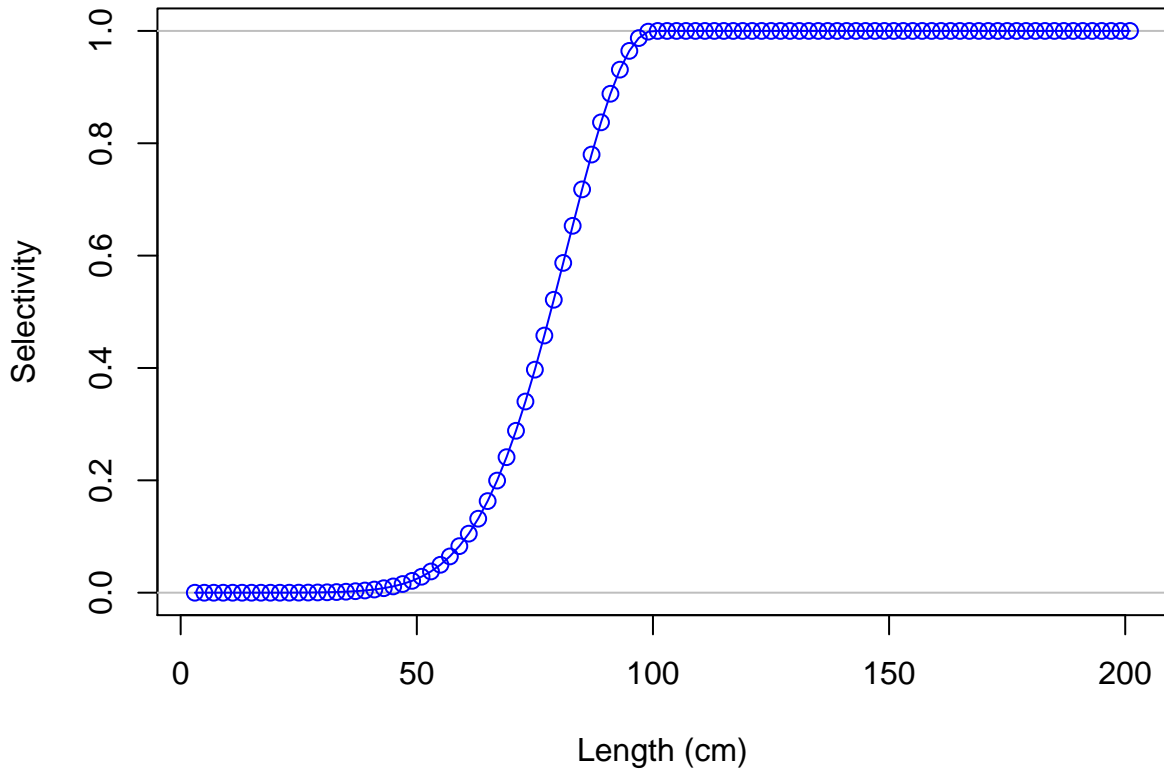
Male ending year selectivity for F18-DEL_C



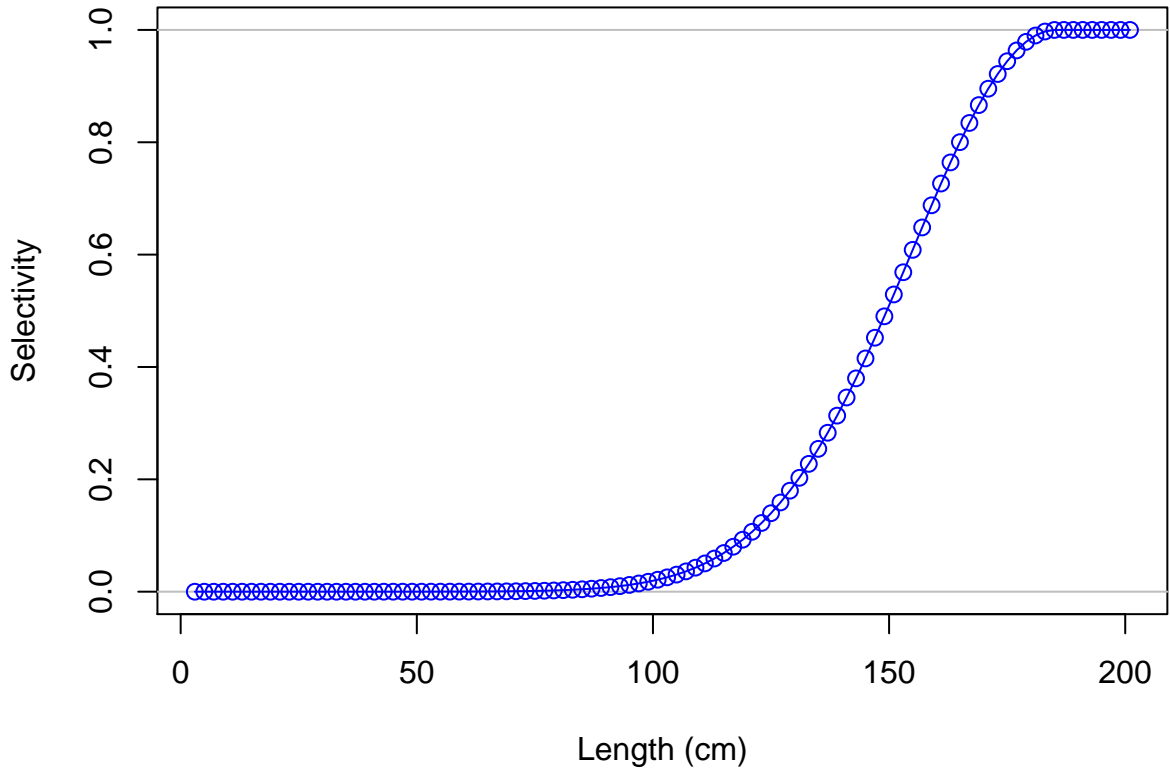
Female ending year selectivity for F19-DEL_P



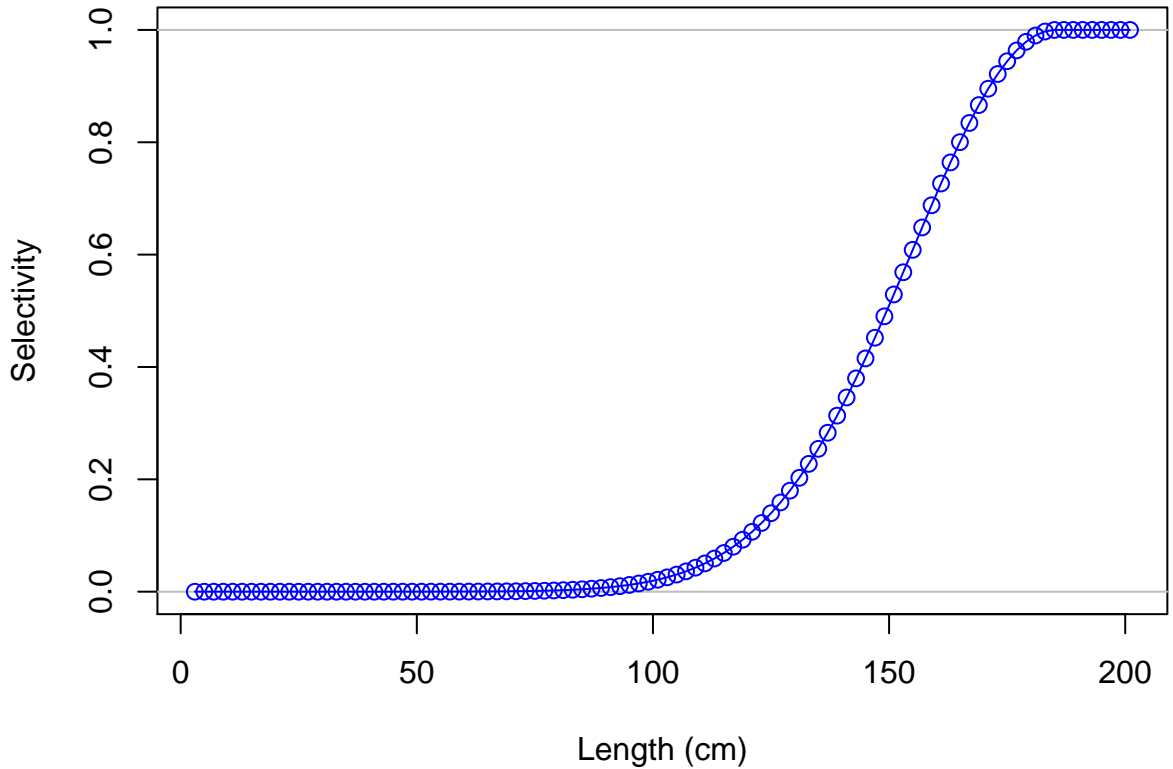
Male ending year selectivity for F19-DEL_P



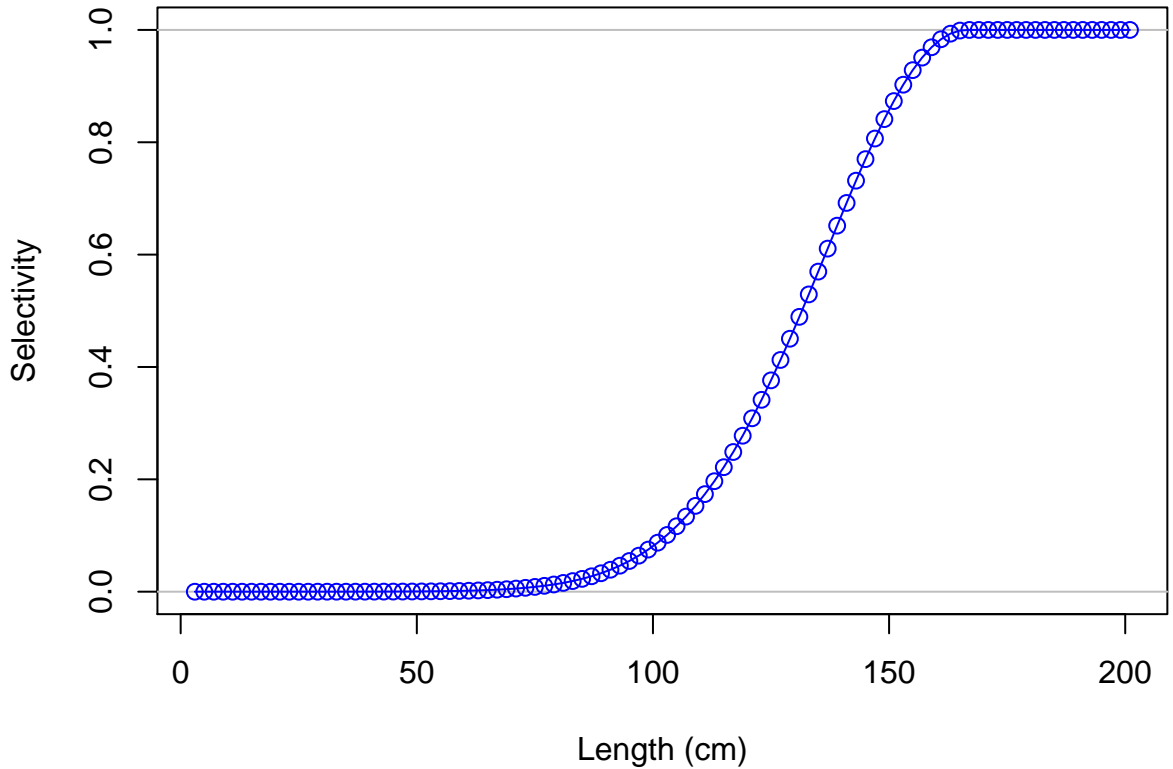
Female ending year selectivity for F20-DEL_S



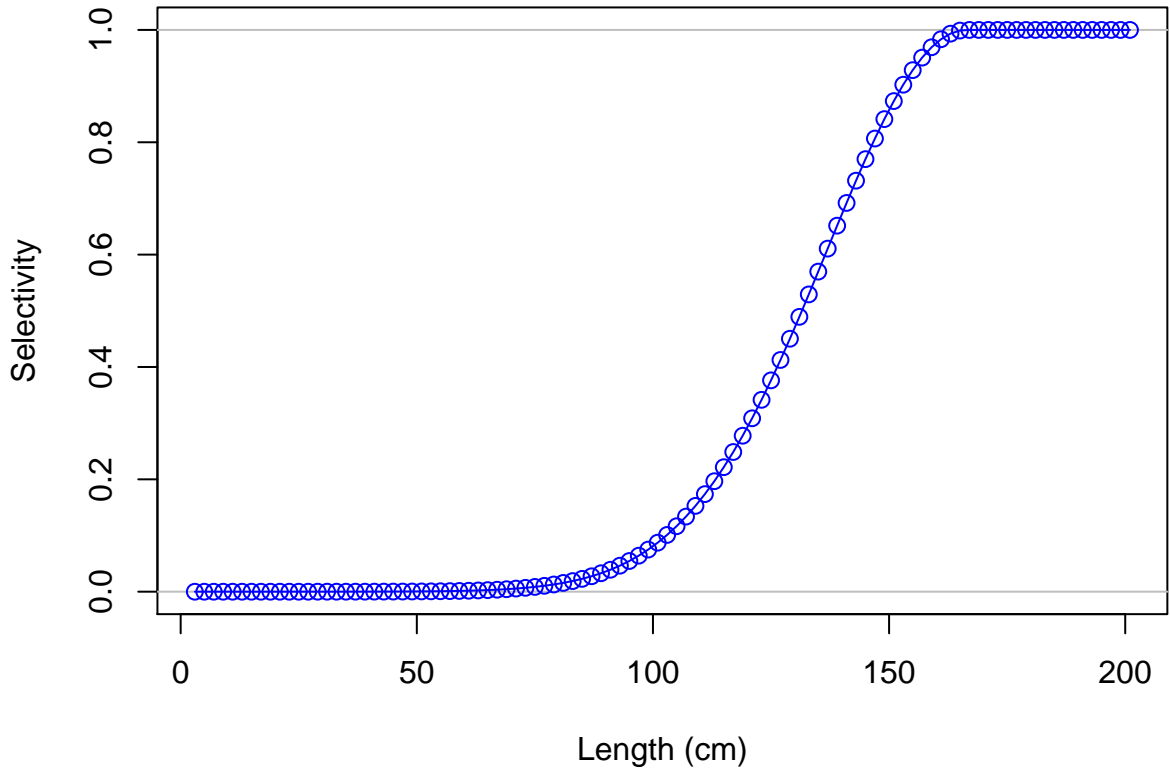
Male ending year selectivity for F20-DEL_S



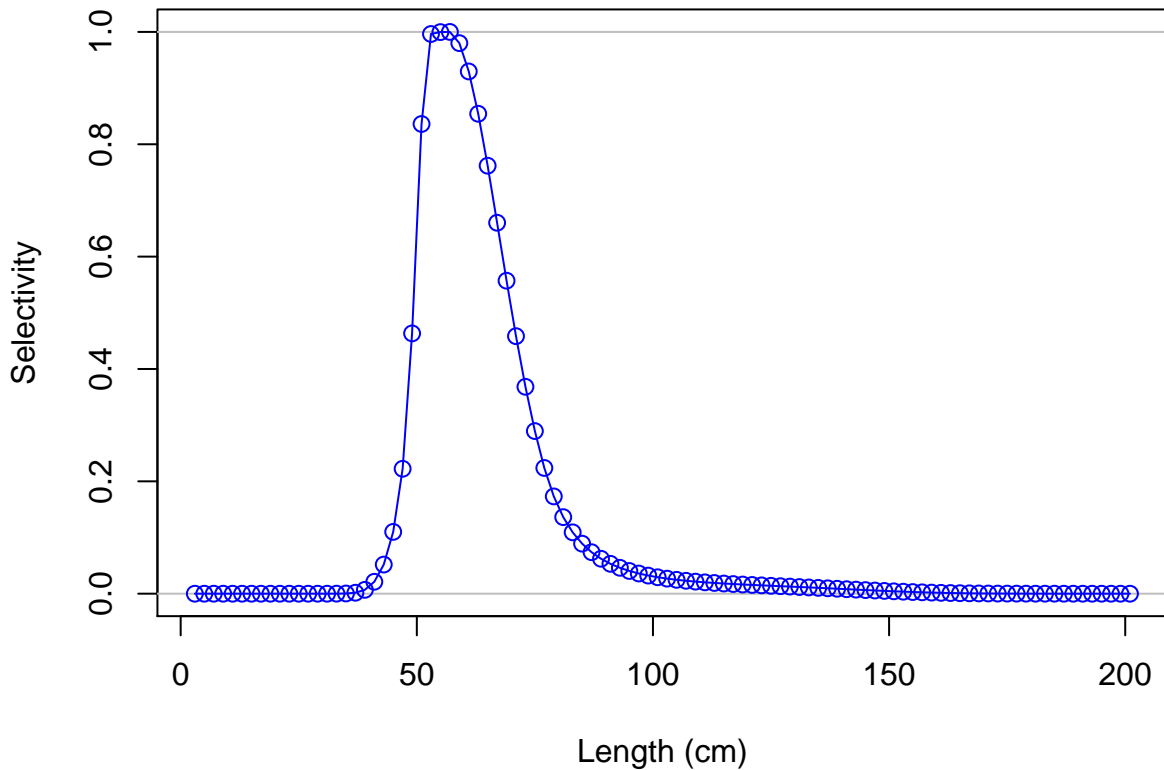
Female ending year selectivity for F21-DEL_I



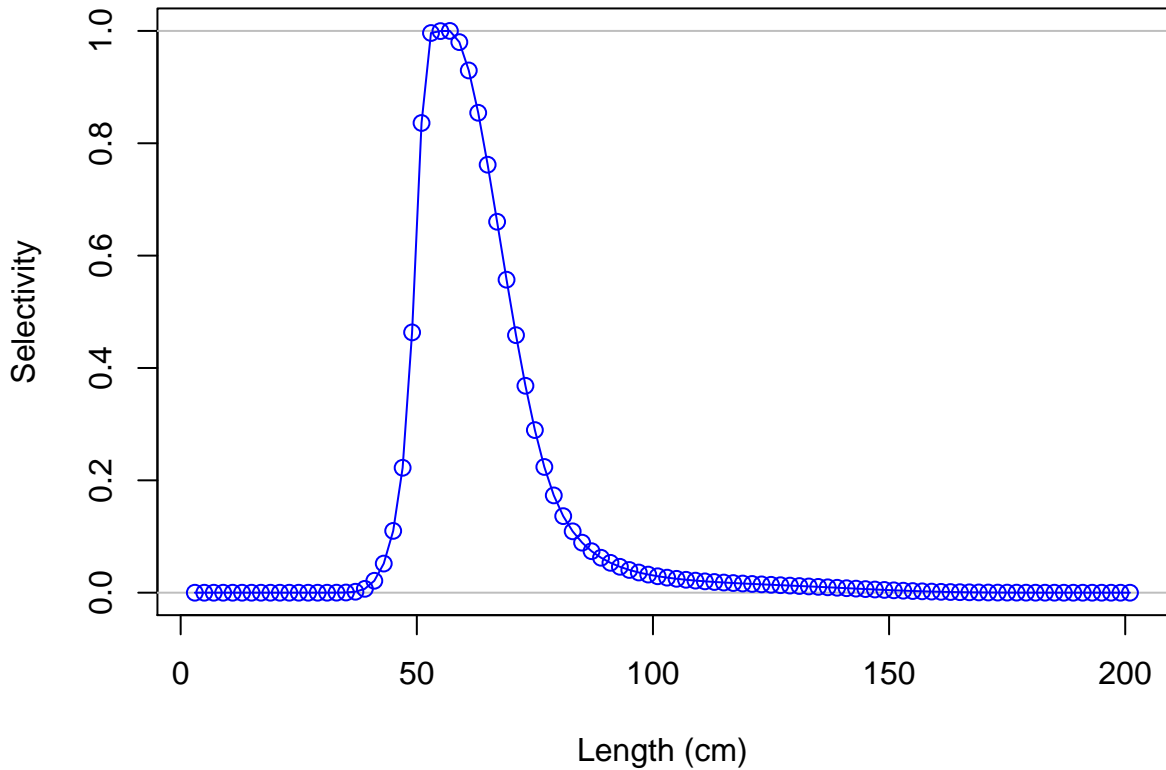
Male ending year selectivity for F21-DEL_I



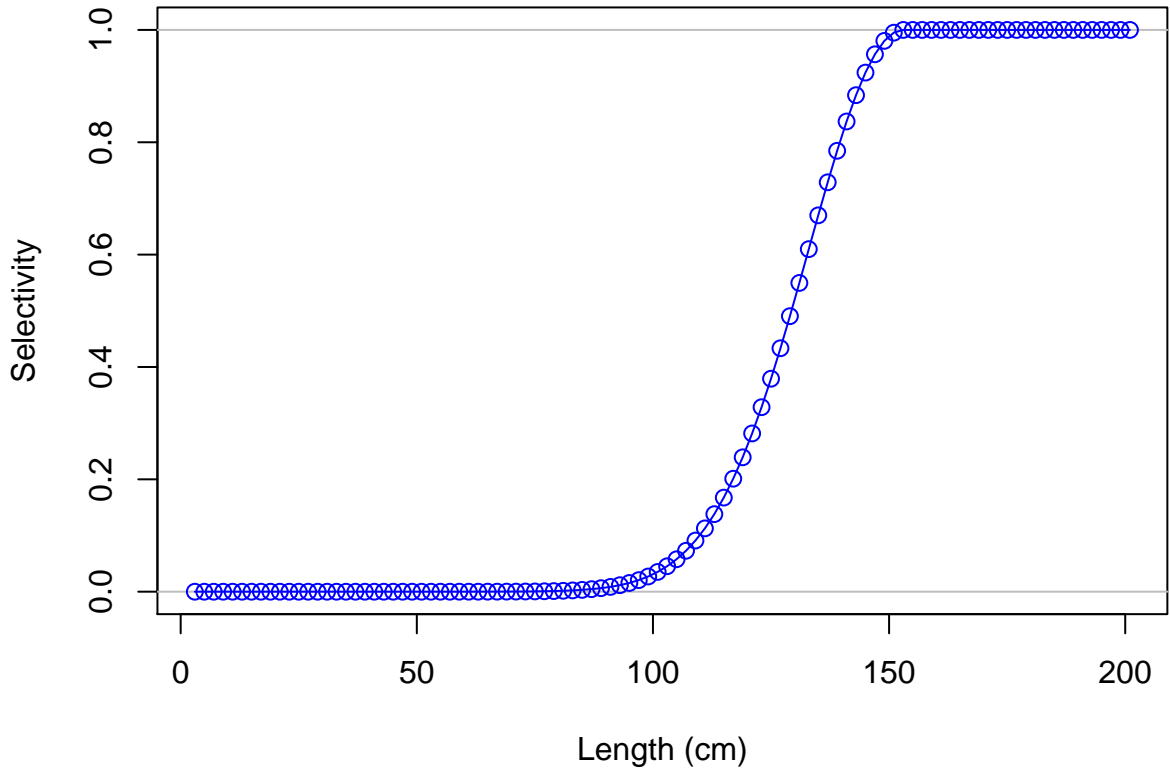
Female ending year selectivity for F22-BB



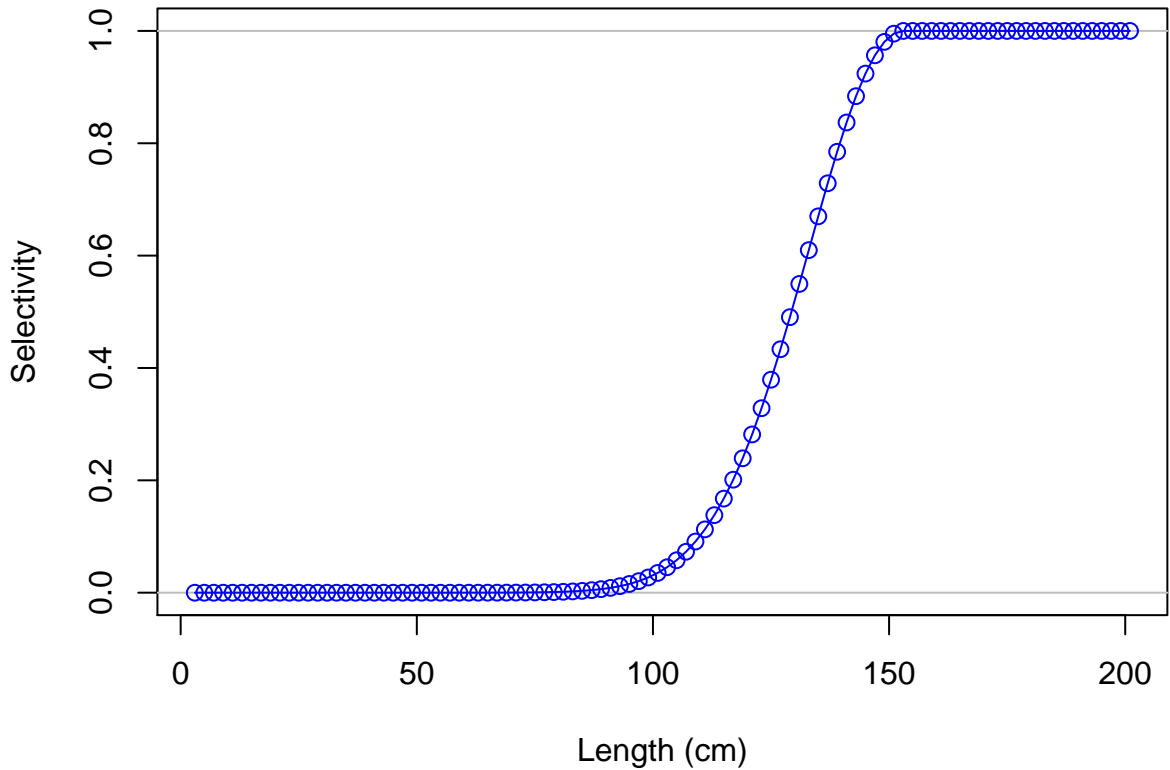
Male ending year selectivity for F22-BB



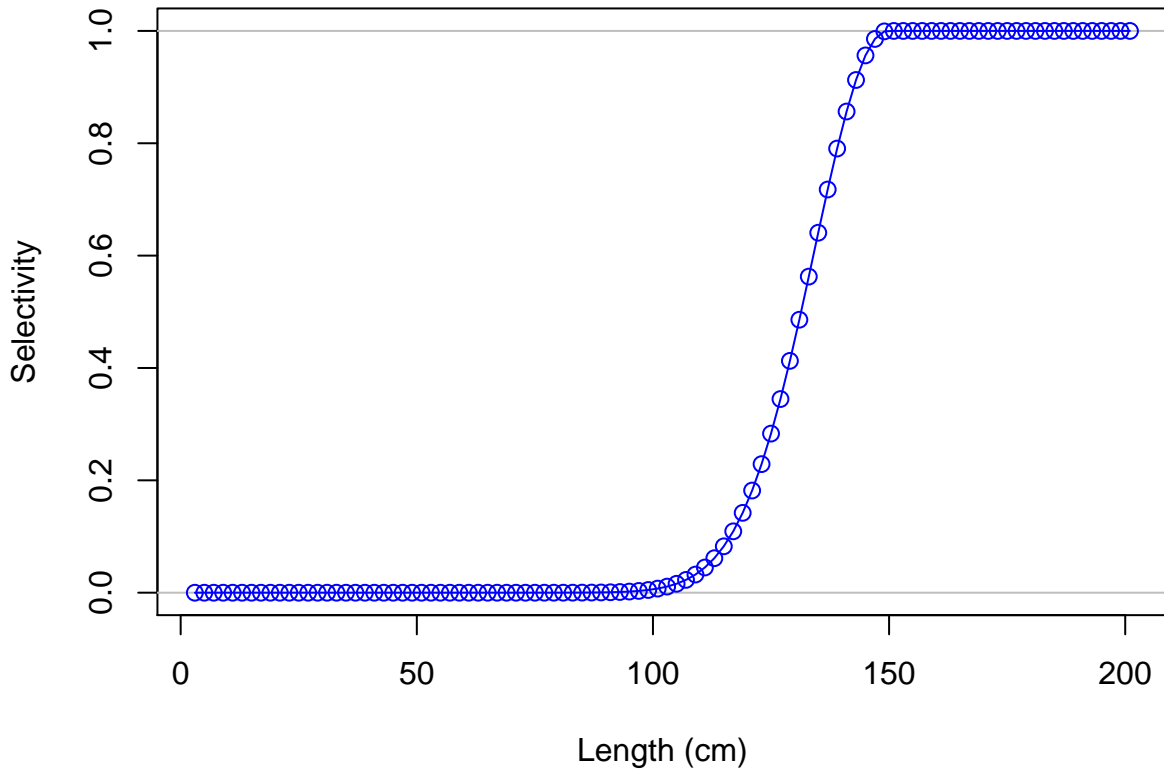
Female ending year selectivity for F29-LL_W_Q14n



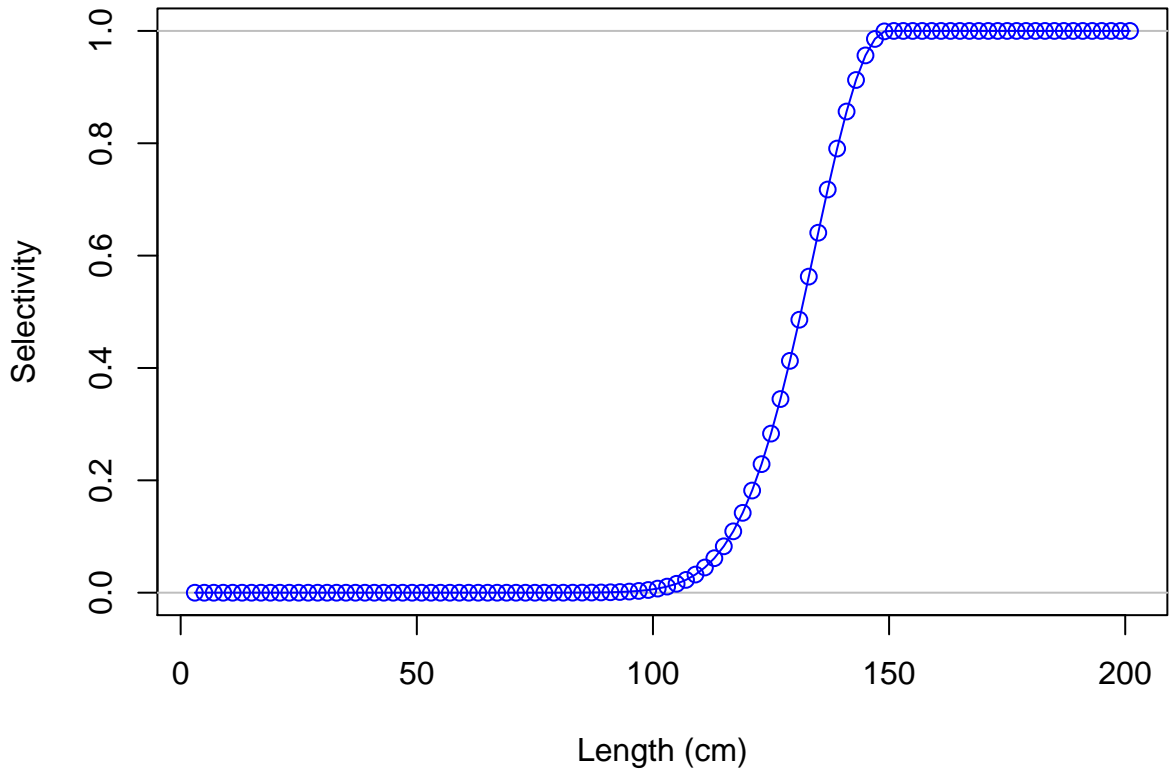
Male ending year selectivity for F29-LL_W_Q14n



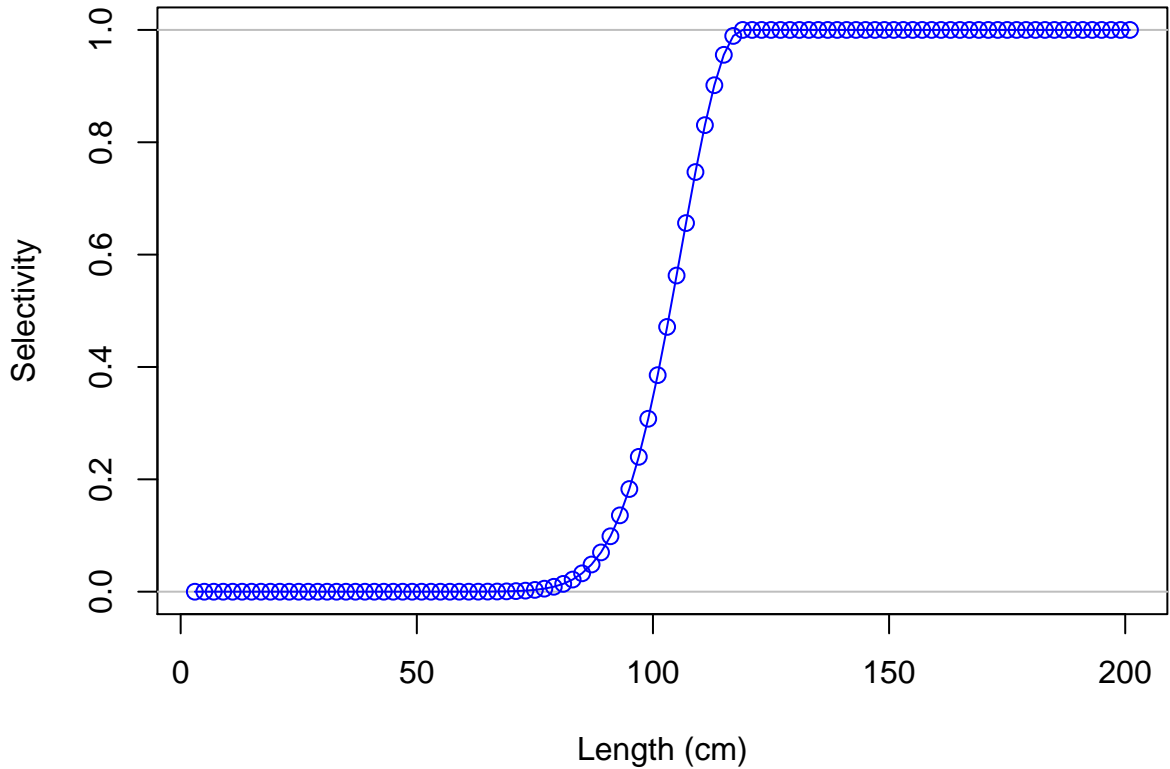
Female ending year selectivity for F30-LL_C_Q14n



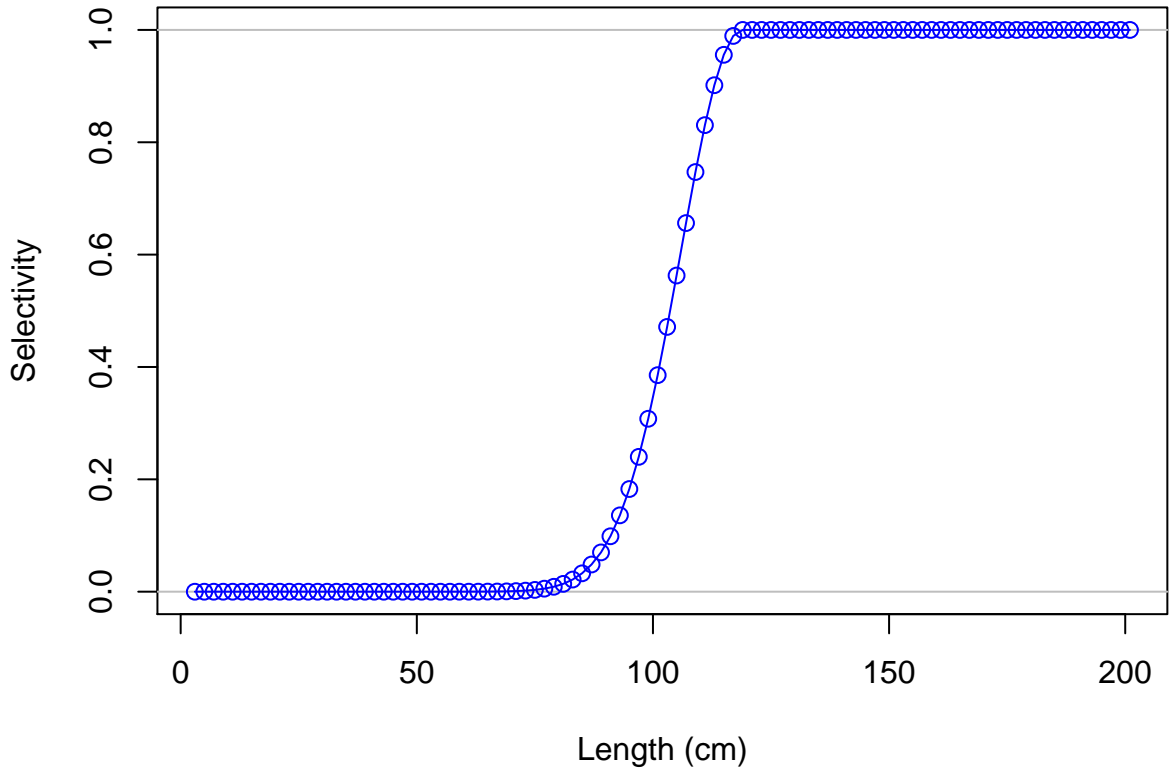
Male ending year selectivity for F30-LL_C_Q14n



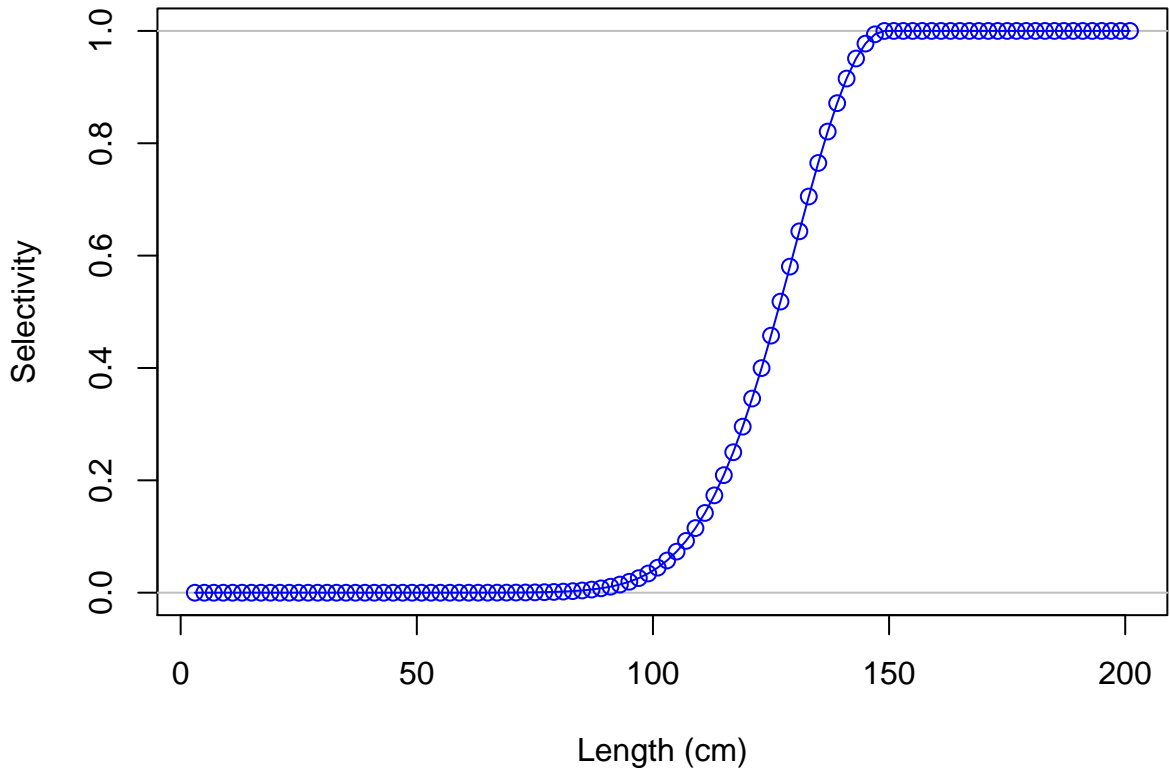
Female ending year selectivity for F31-LL_E_Q14n



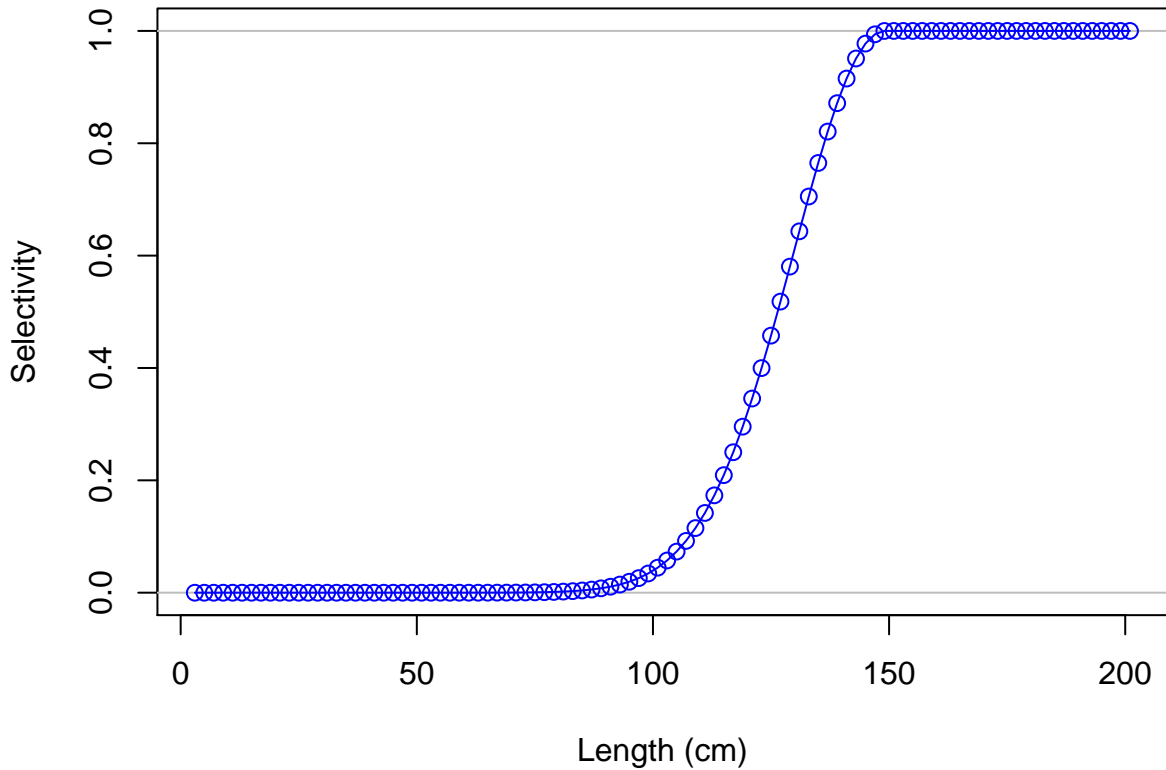
Male ending year selectivity for F31-LL_E_Q14n



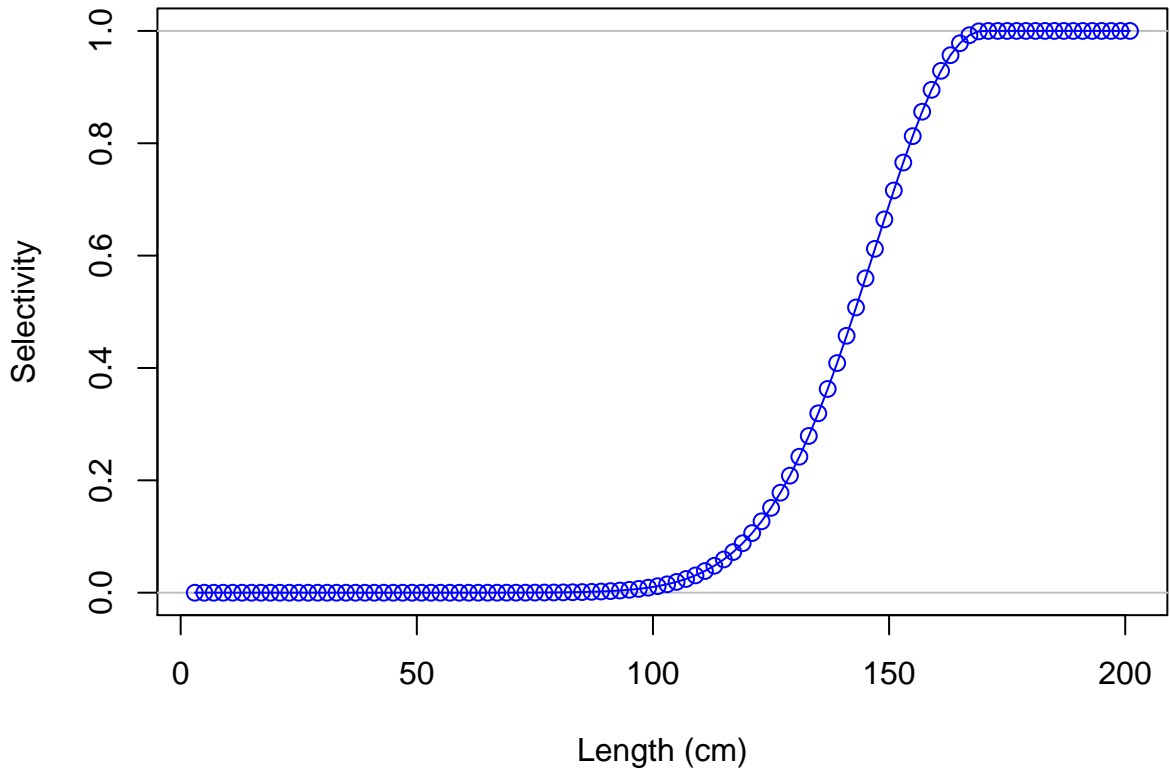
Female ending year selectivity for F32-LL_W_Q23n



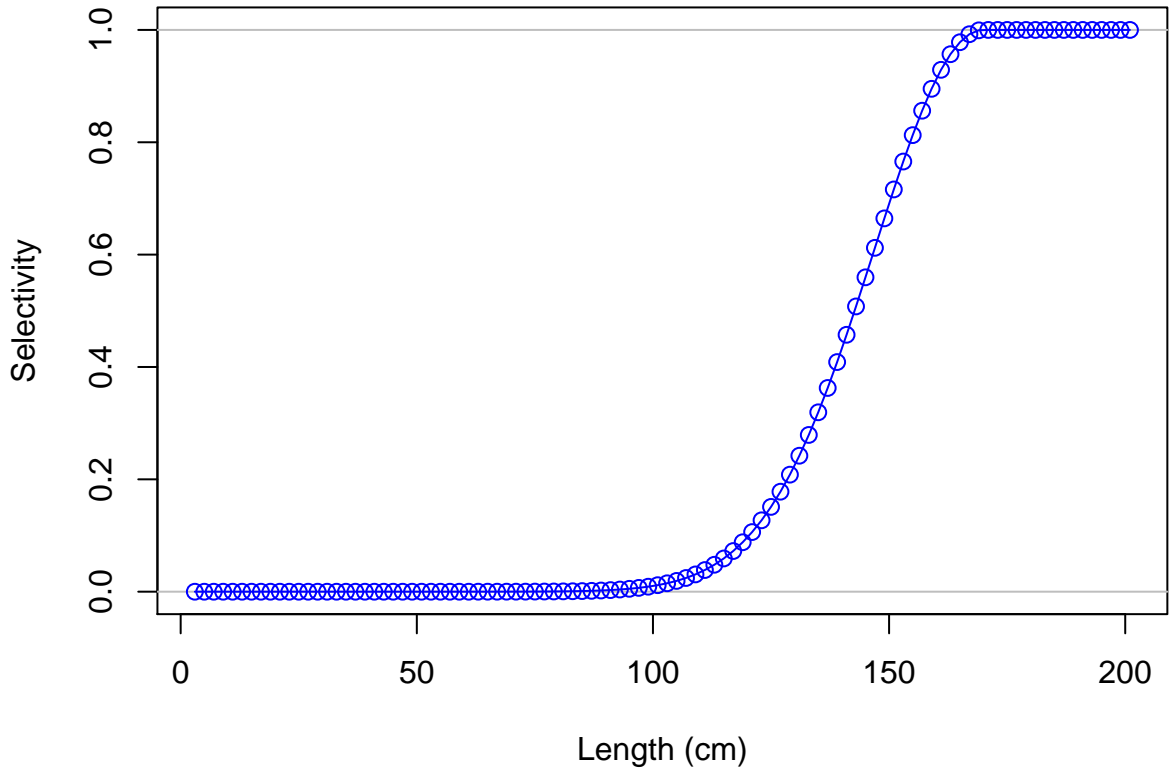
Male ending year selectivity for F32-LL_W_Q23n



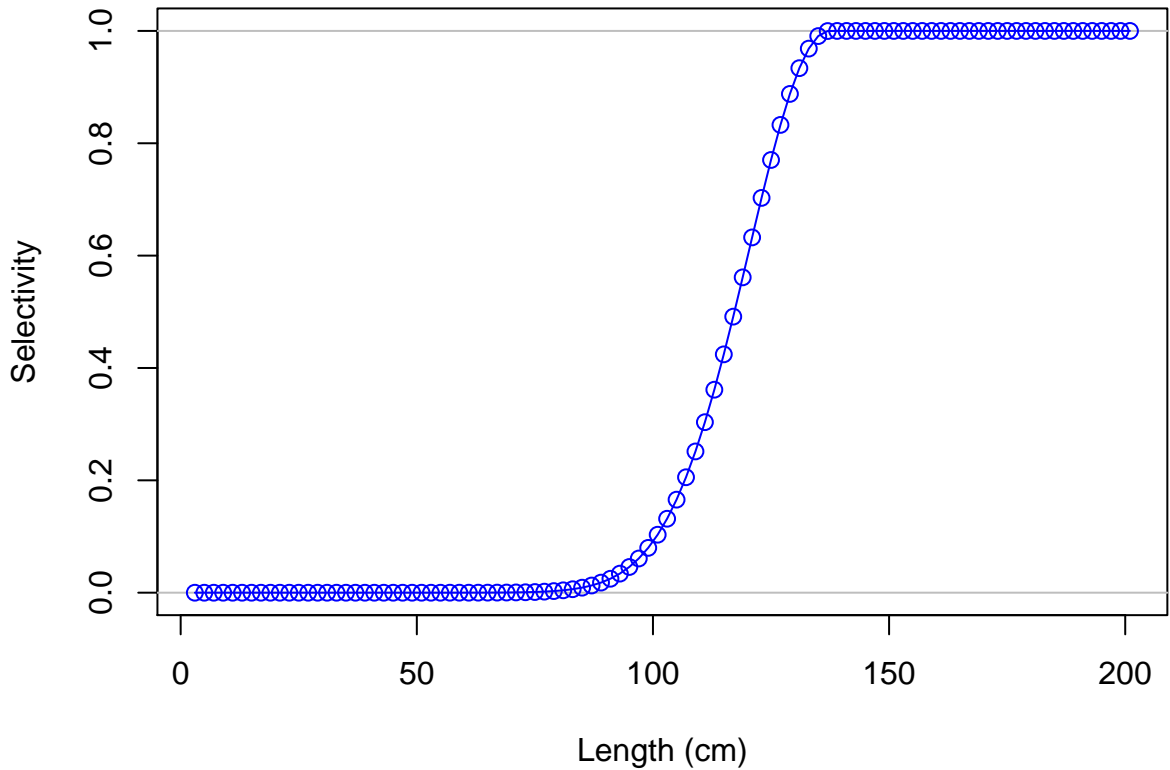
Female ending year selectivity for F33-LL_C_Q23n



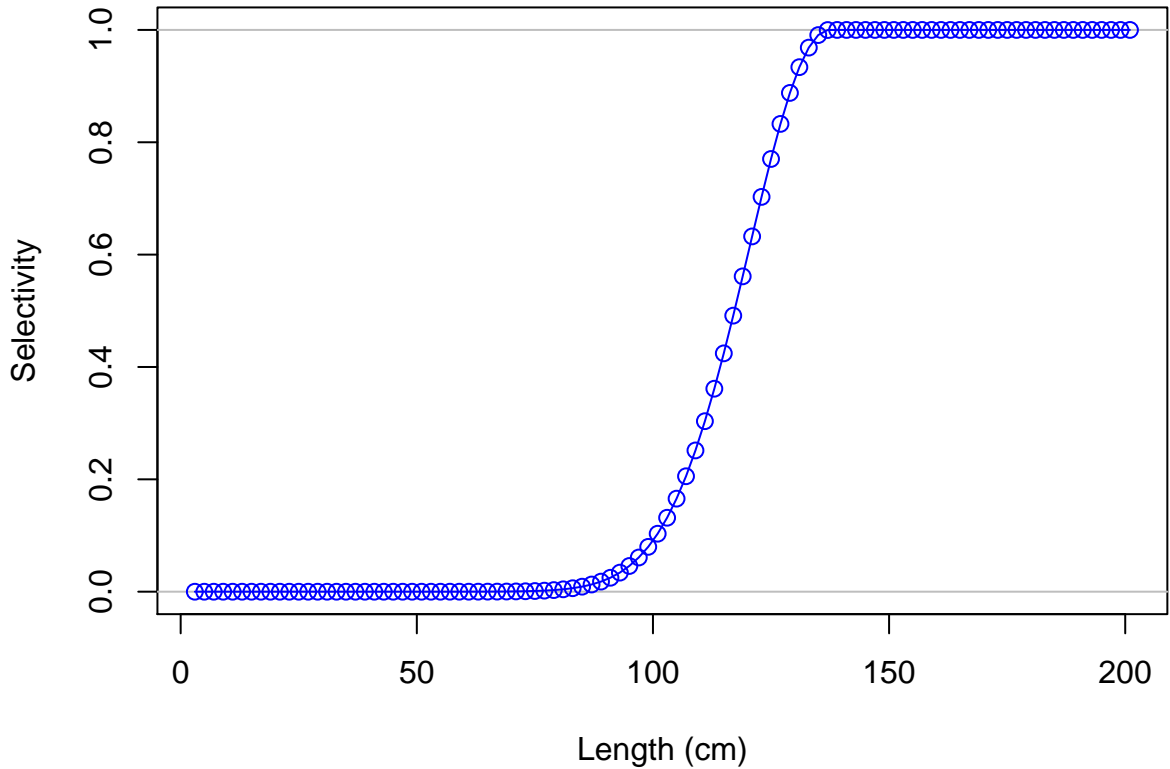
Male ending year selectivity for F33-LL_C_Q23n



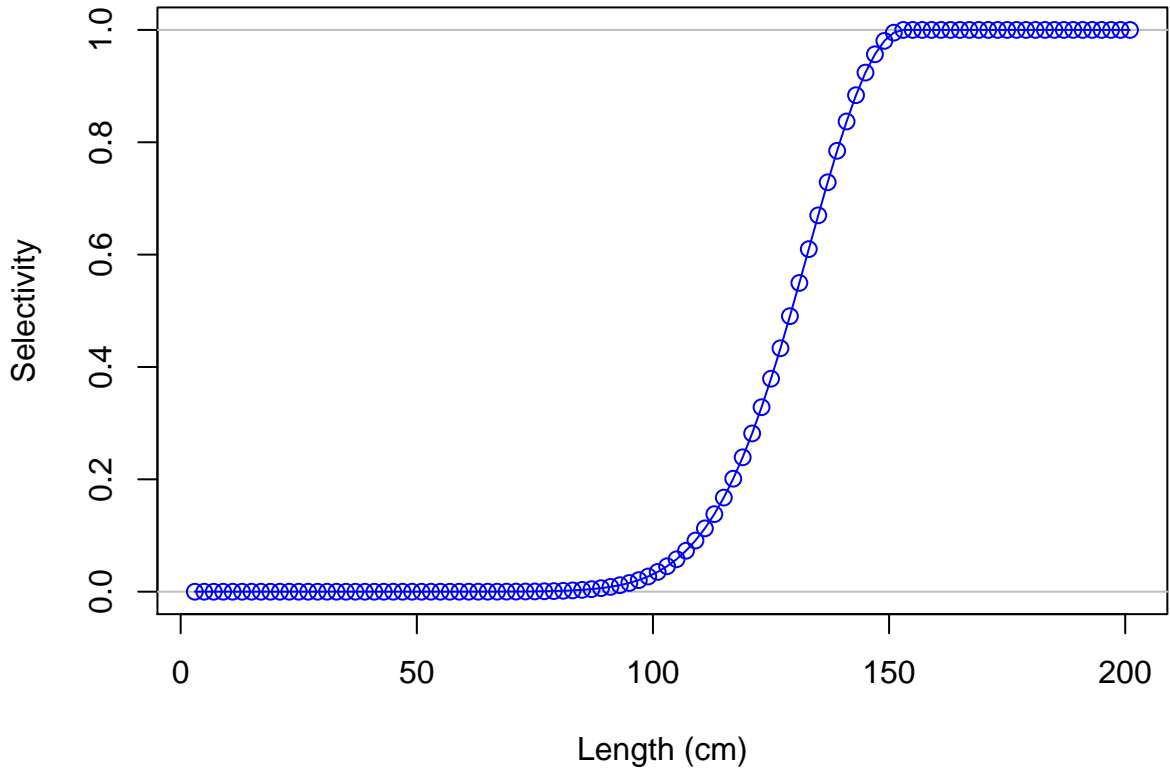
Female ending year selectivity for F34-LL_E_Q23n



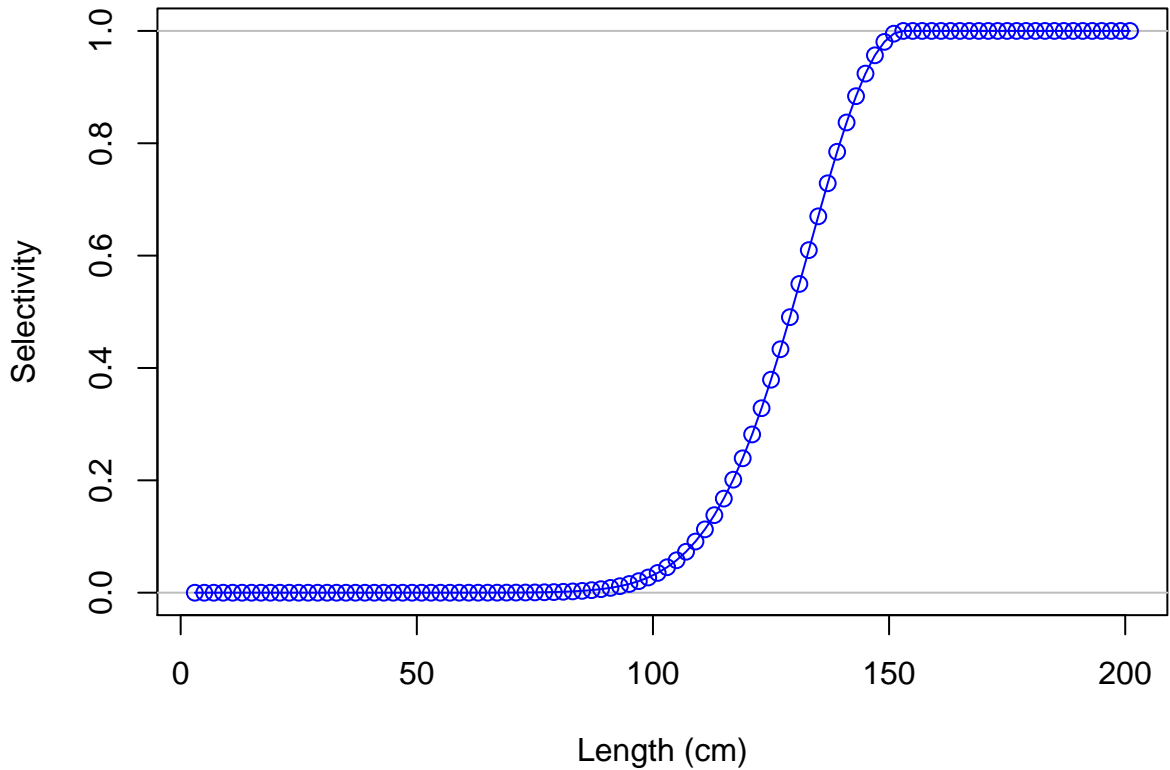
Male ending year selectivity for F34-LL_E_Q23n



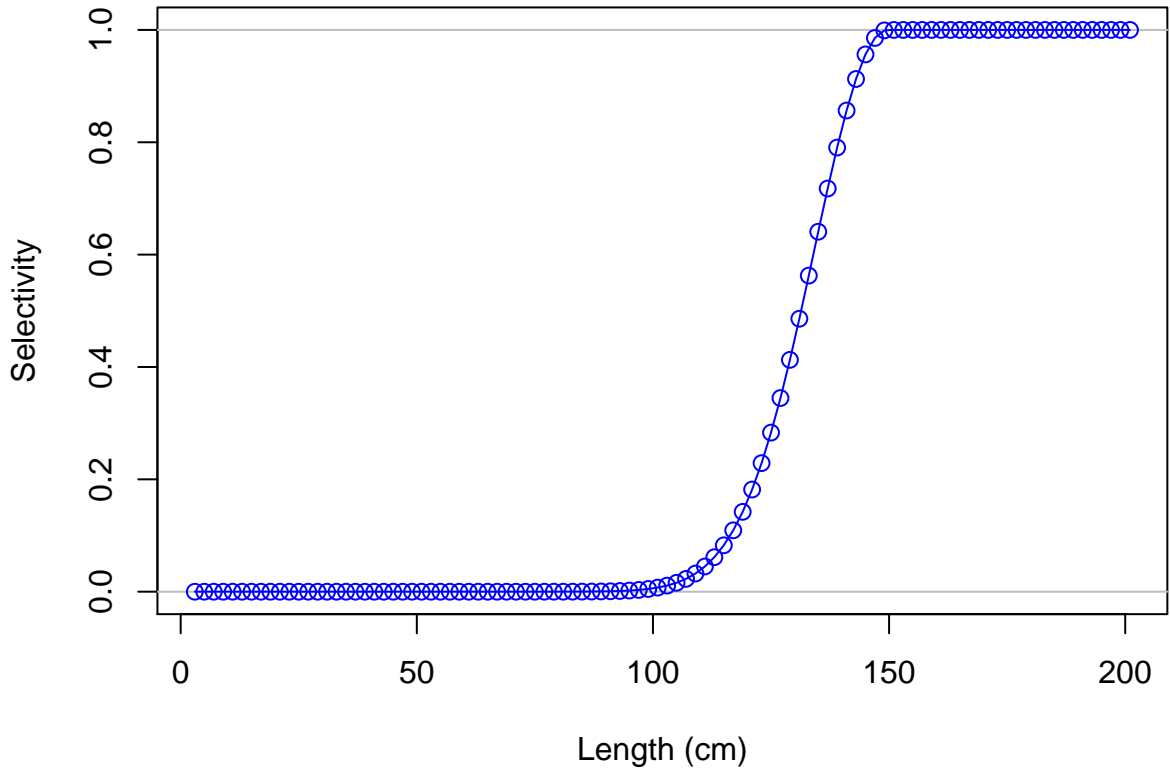
Female ending year selectivity for F35-LL_W_Q14w



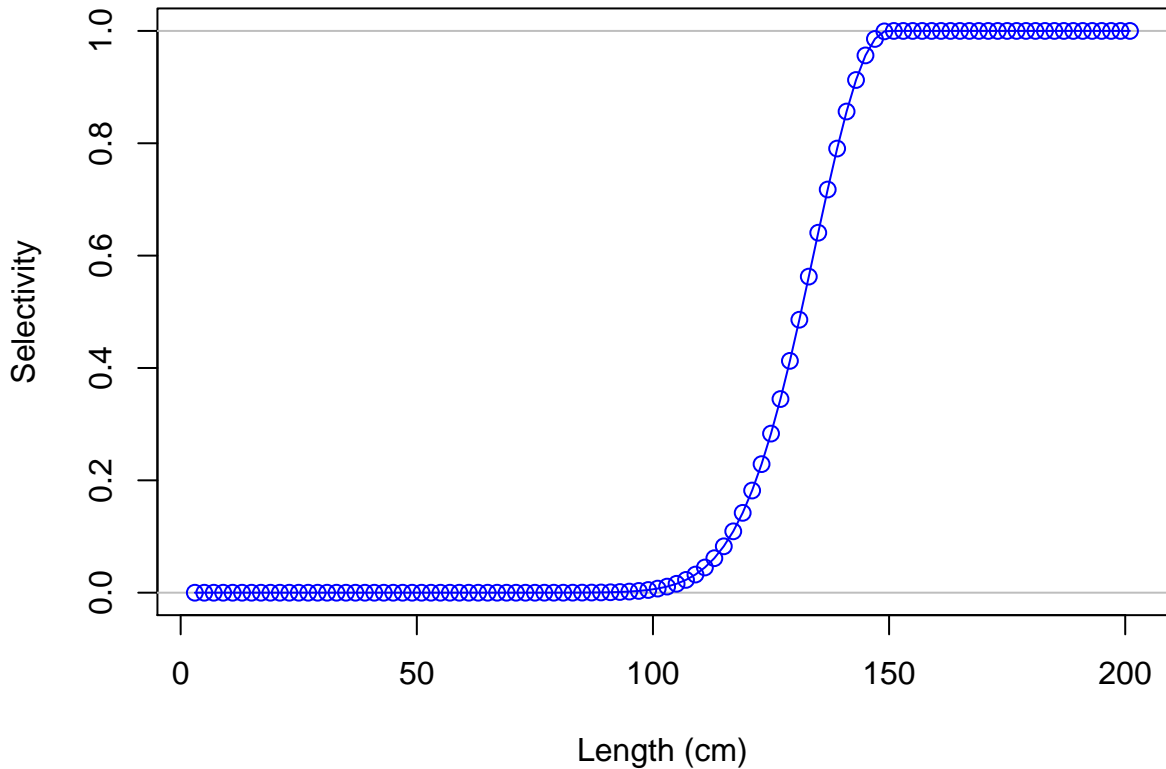
Male ending year selectivity for F35-LL_W_Q14w



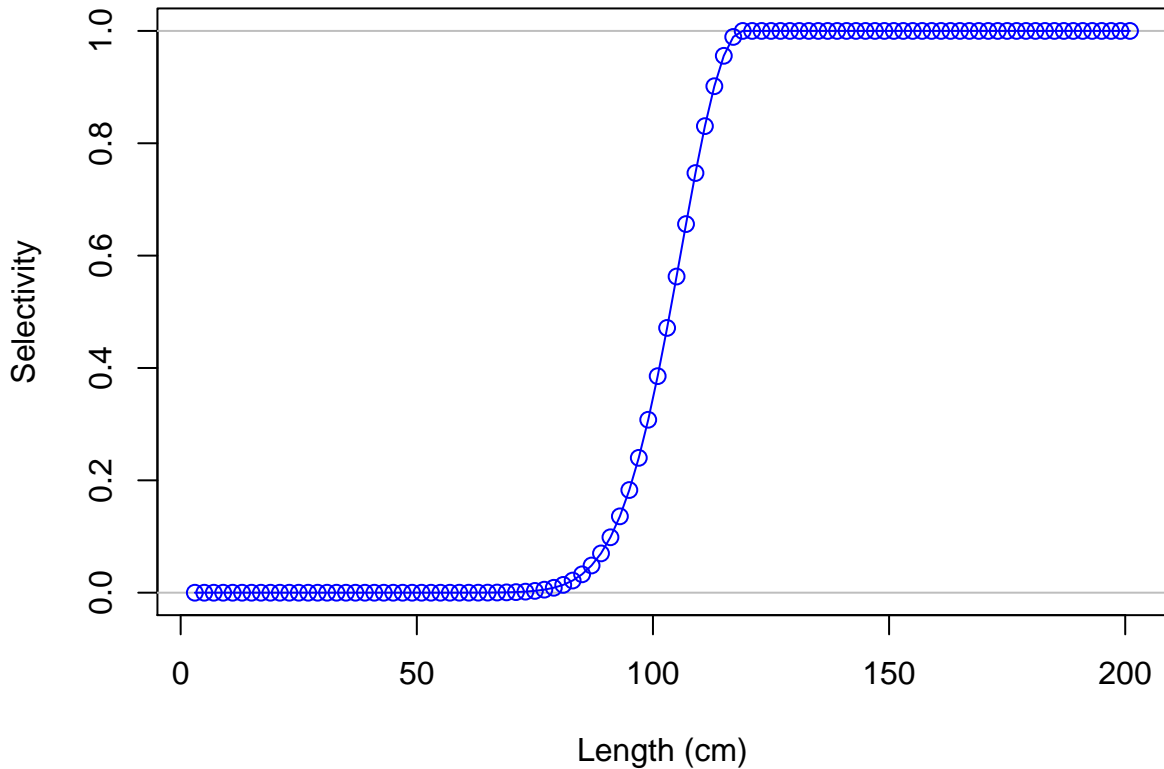
Female ending year selectivity for F36-LL_C_Q14w



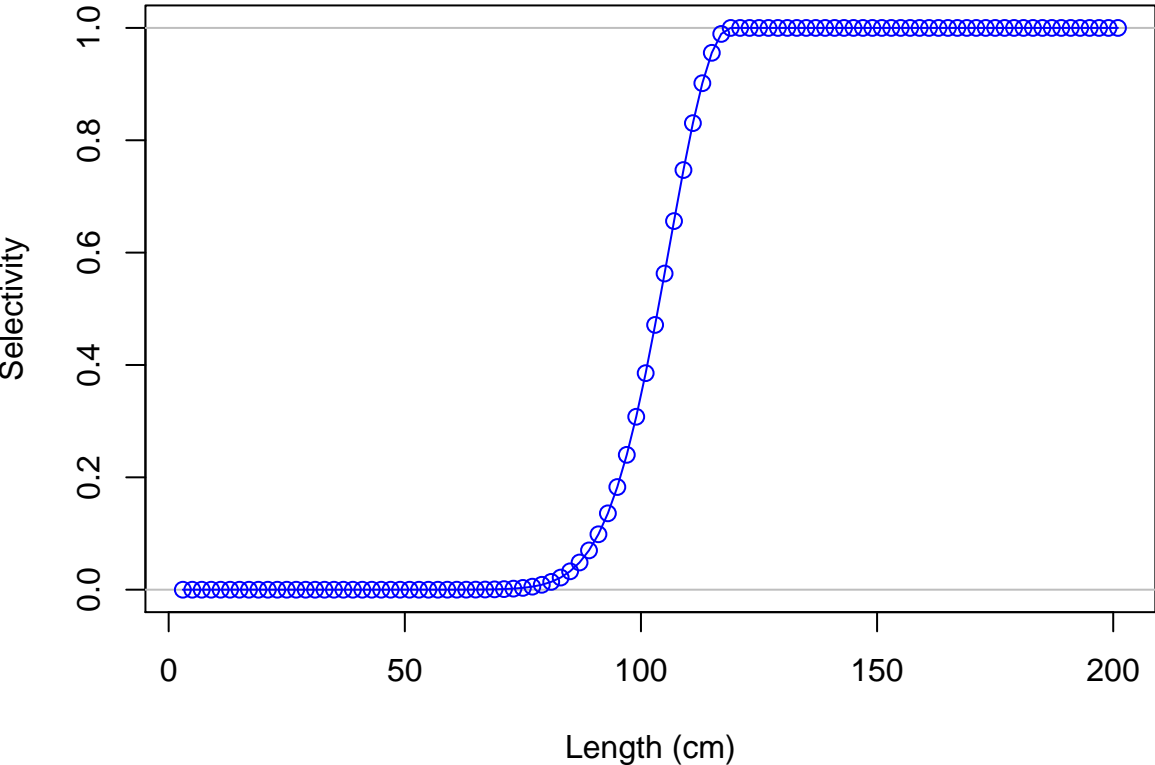
Male ending year selectivity for F36-LL_C_Q14w



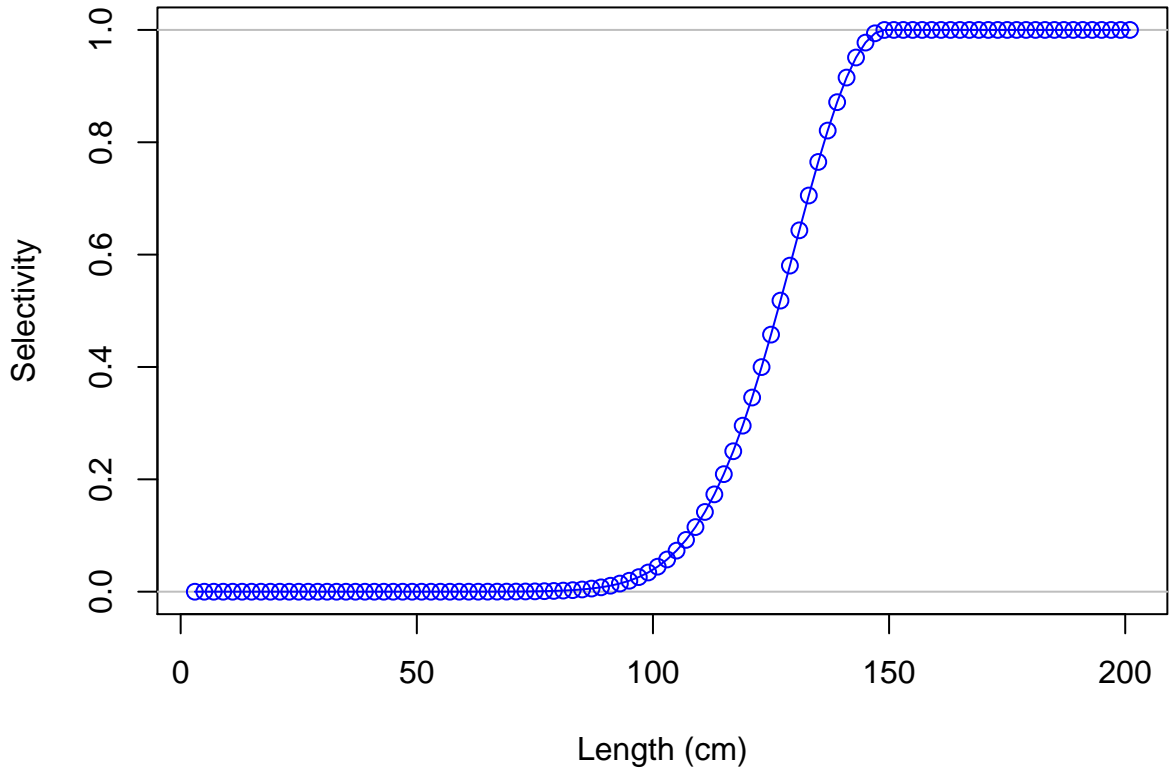
Female ending year selectivity for F37-LL_E_Q14w



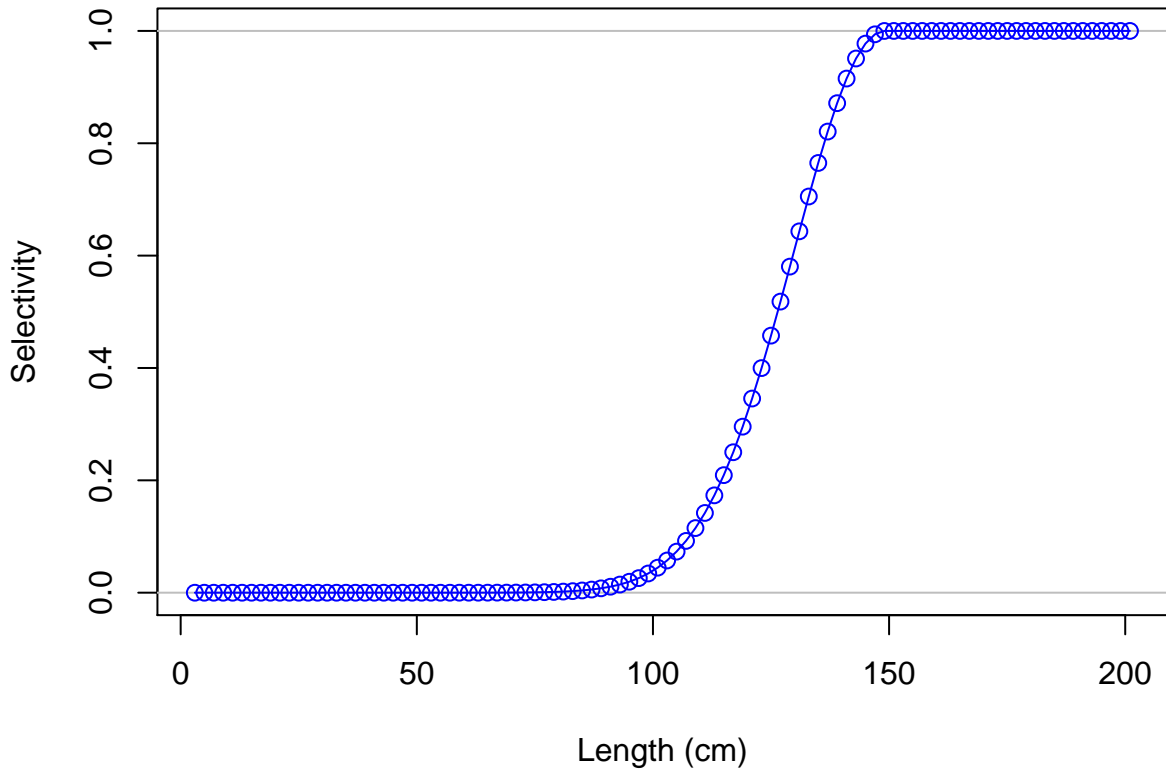
Male ending year selectivity for F37-LL_E_Q14w



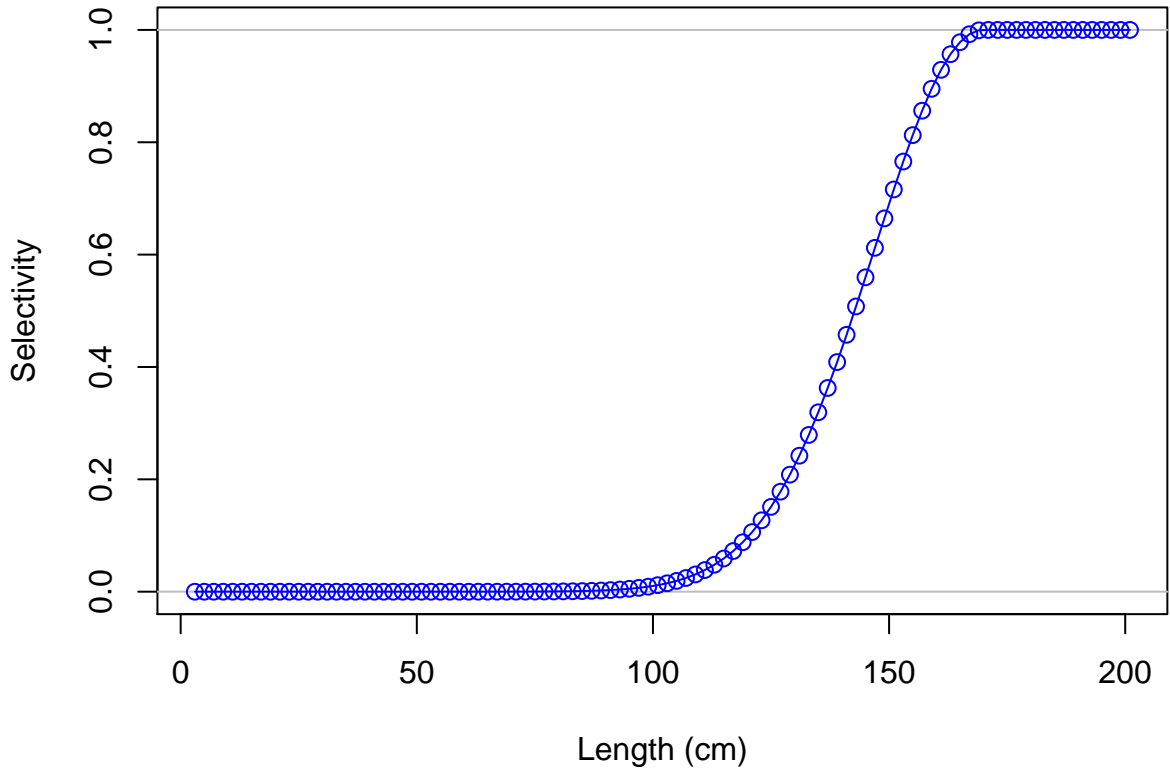
Female ending year selectivity for F38-LL_W_Q23w



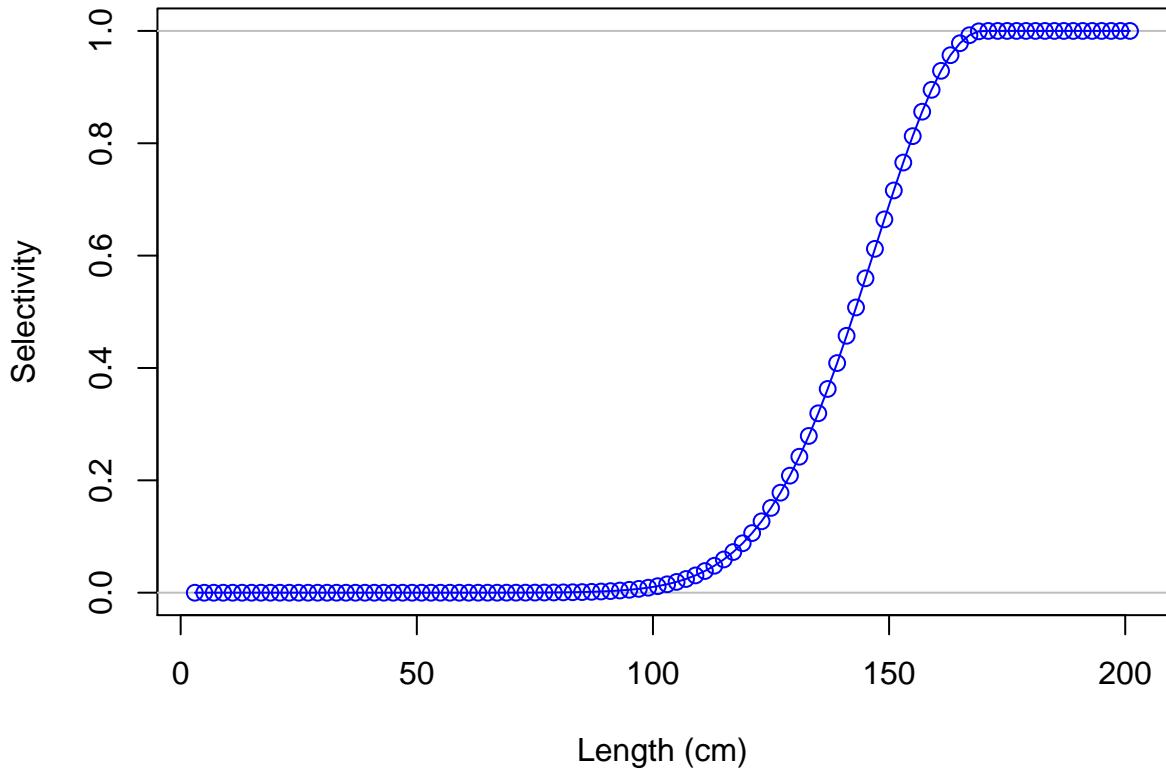
Male ending year selectivity for F38-LL_W_Q23w



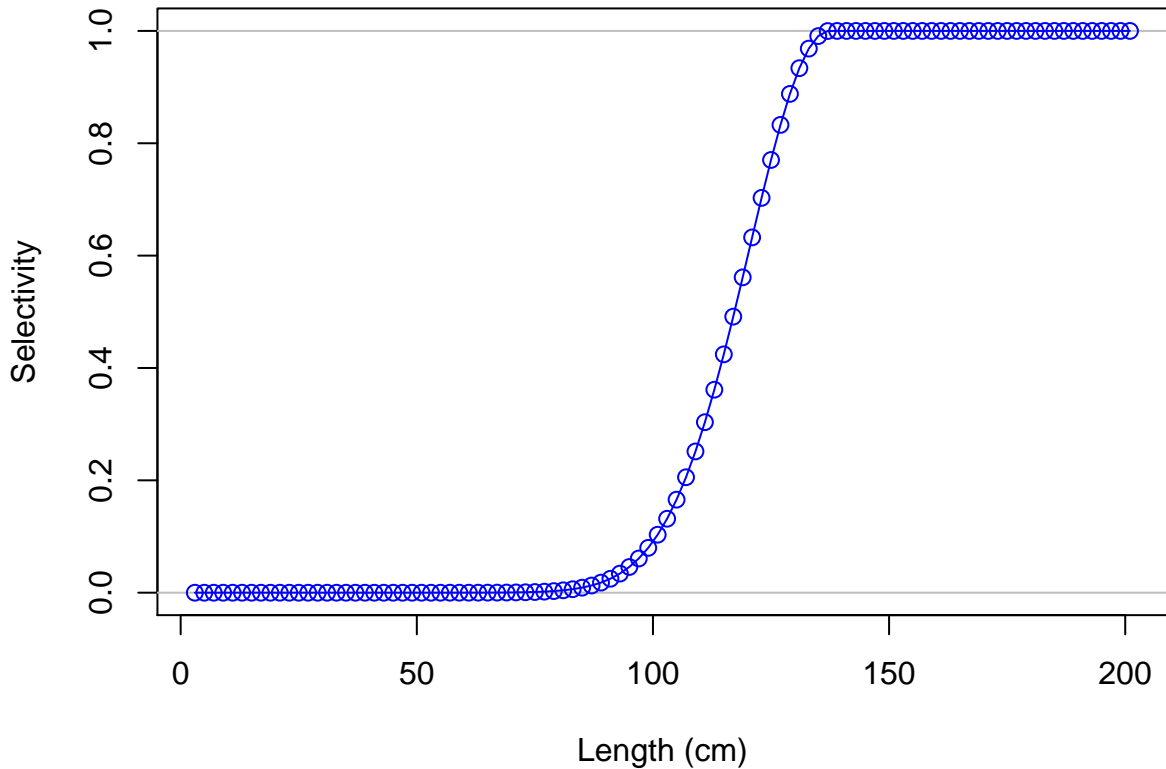
Female ending year selectivity for F39-LL_C_Q23w



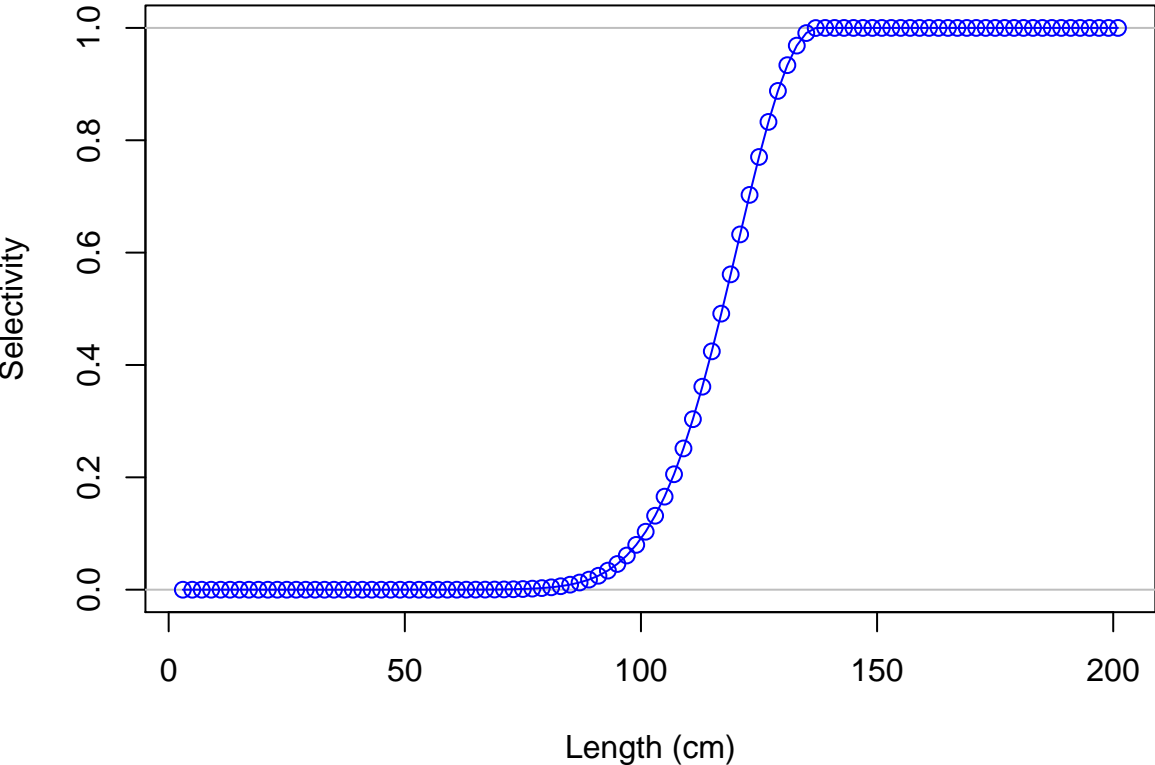
Male ending year selectivity for F39-LL_C_Q23w



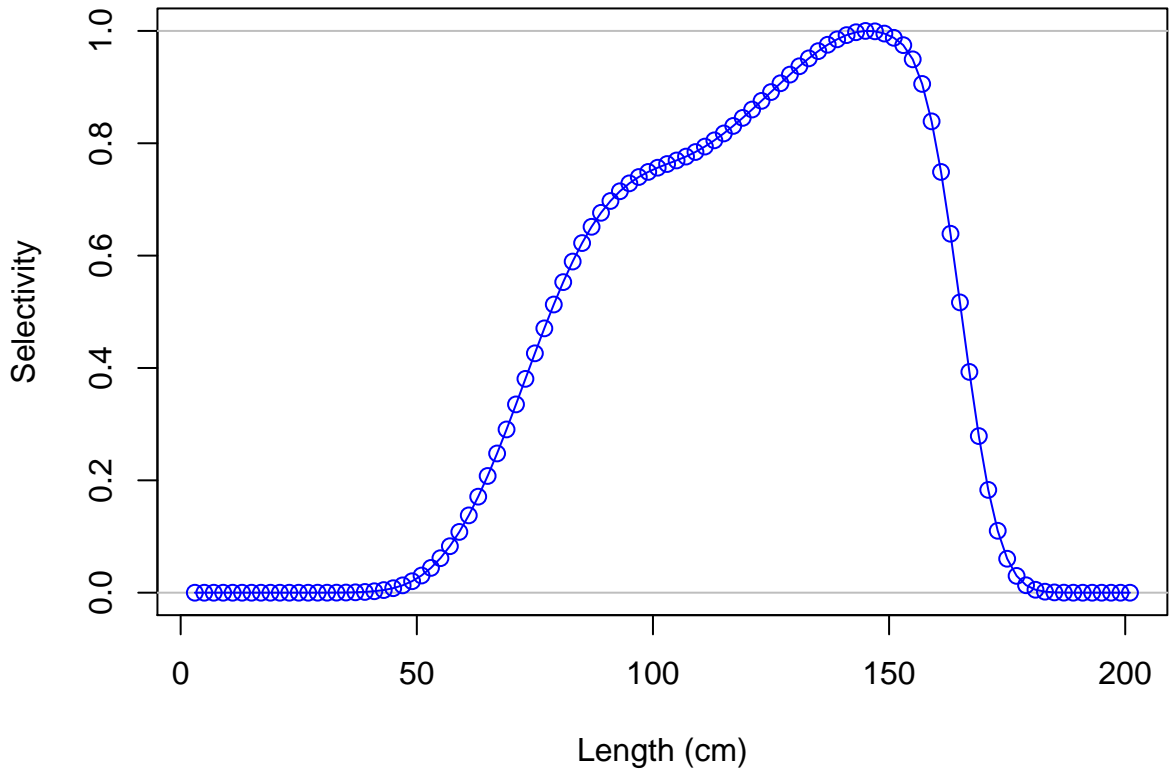
Female ending year selectivity for F40-LL_E_Q23w



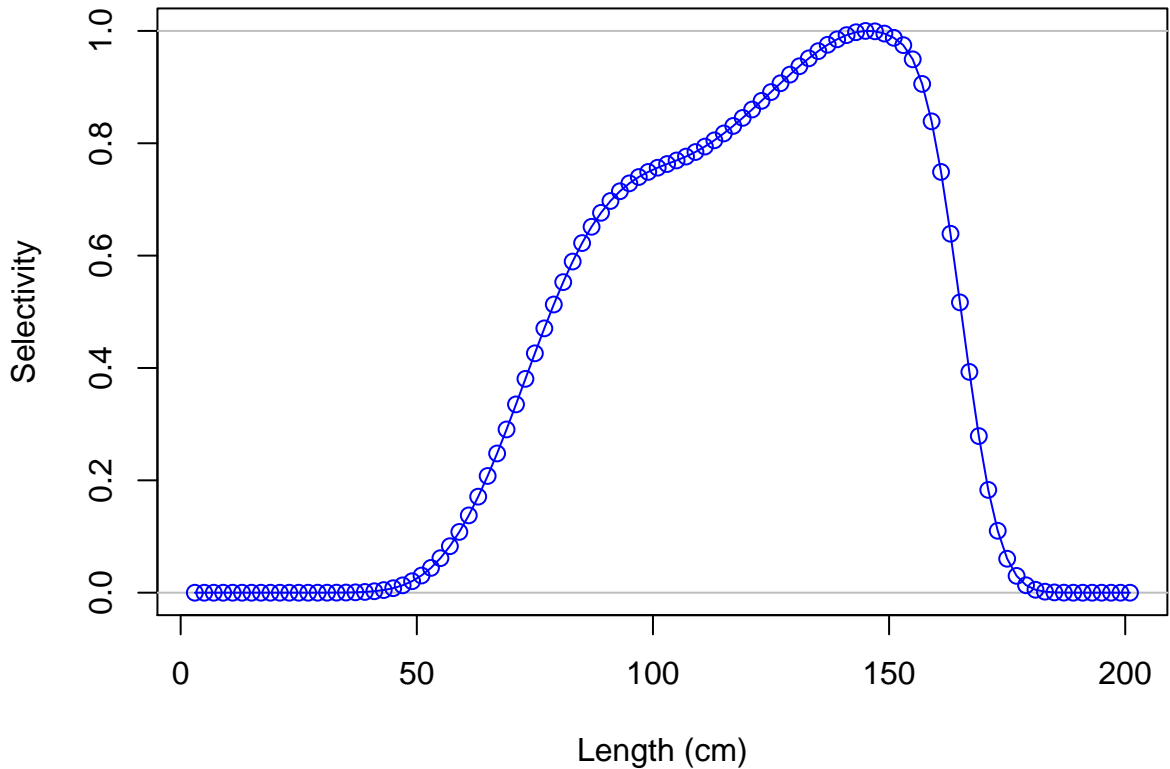
Male ending year selectivity for F40-LL_E_Q23w



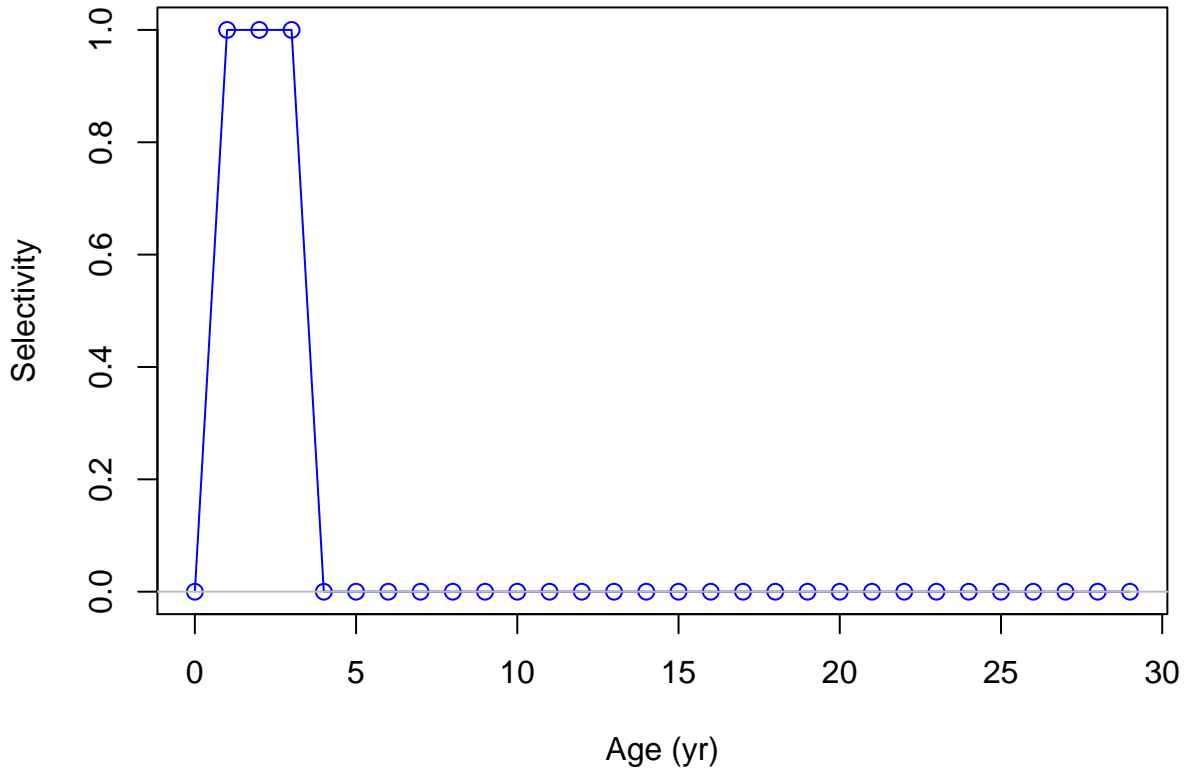
Female ending year selectivity for S1-PS_DEL_VAST



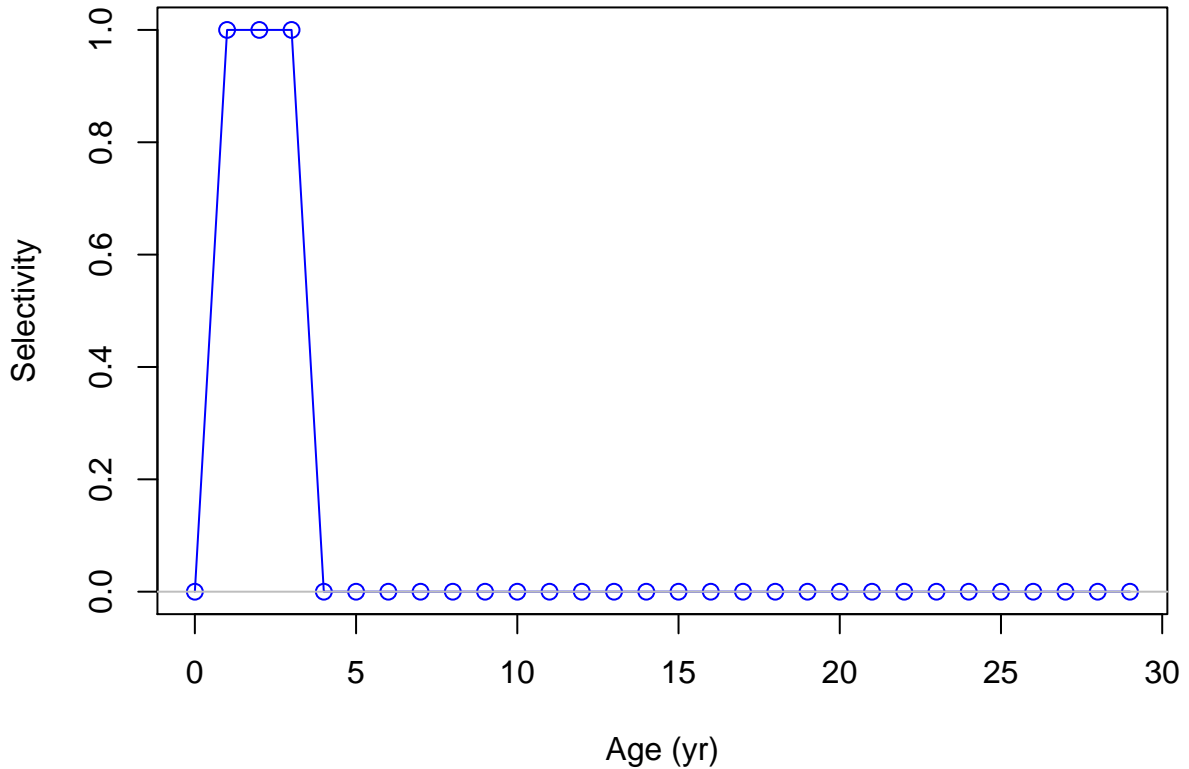
Male ending year selectivity for S1-PS_DEL_VAST



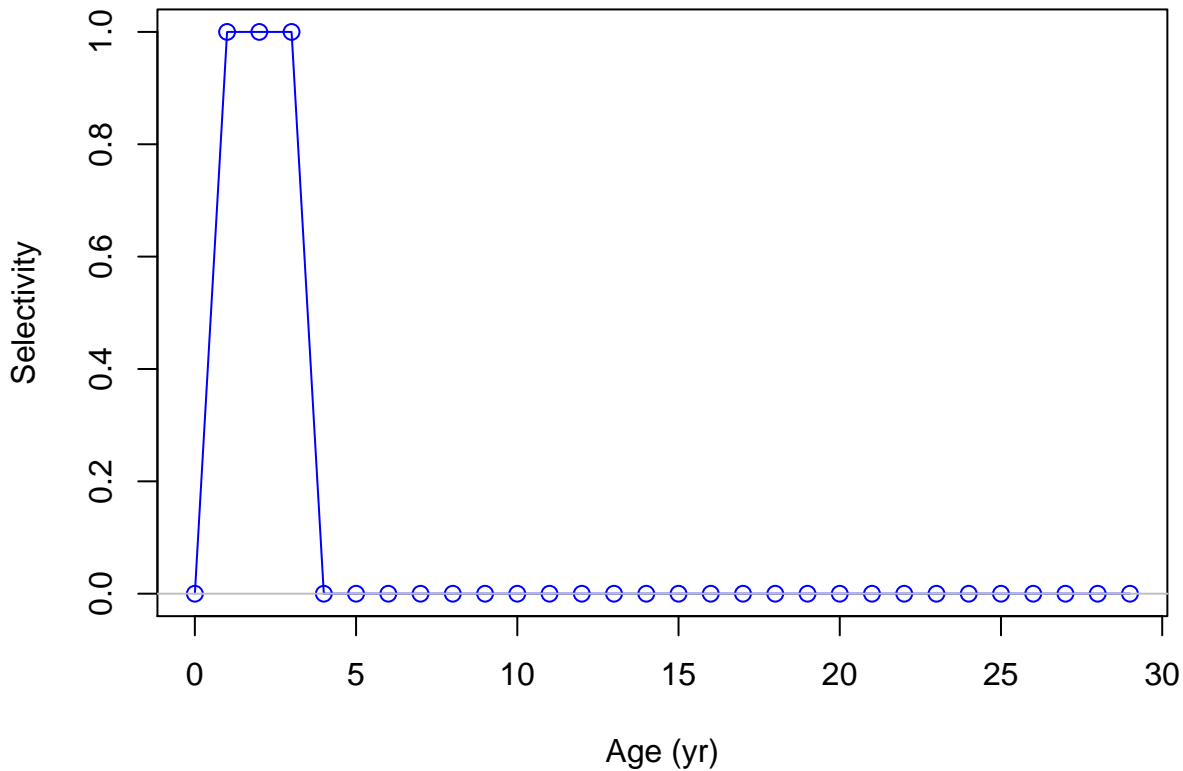
Female ending year selectivity for F25-OBJ_S_disc



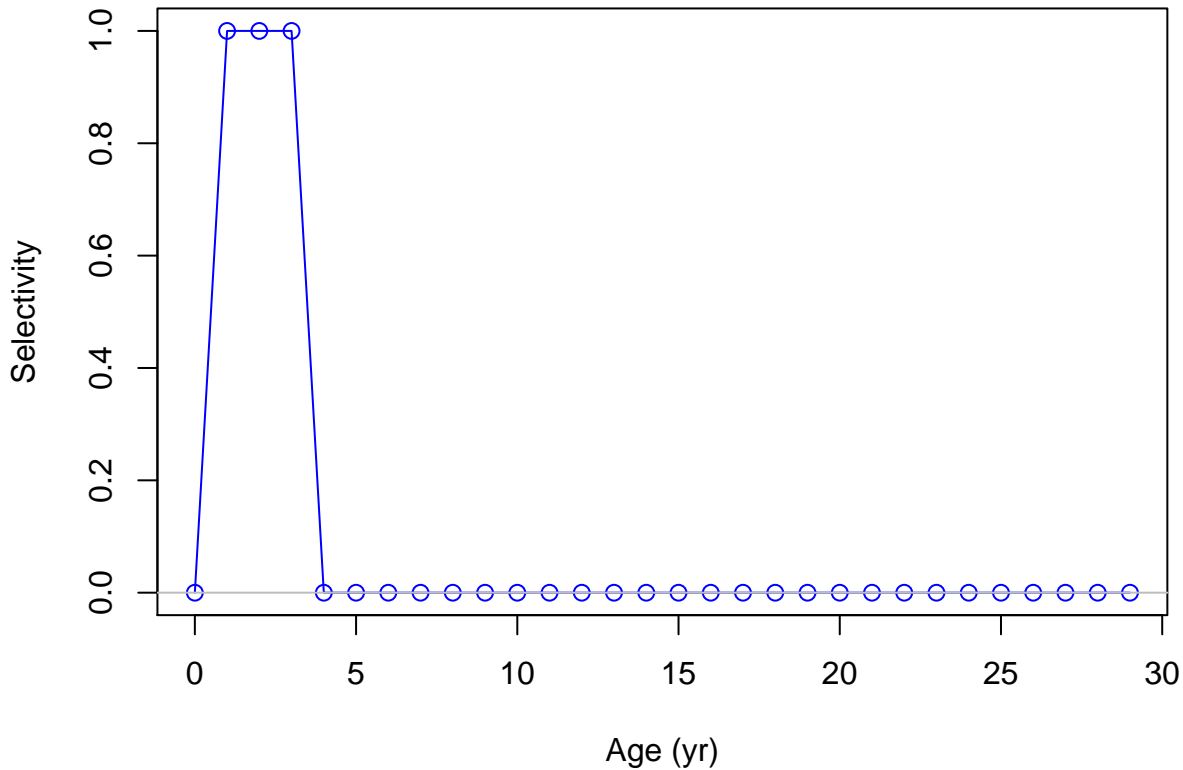
Male ending year selectivity for F25-OBJ_S_disc



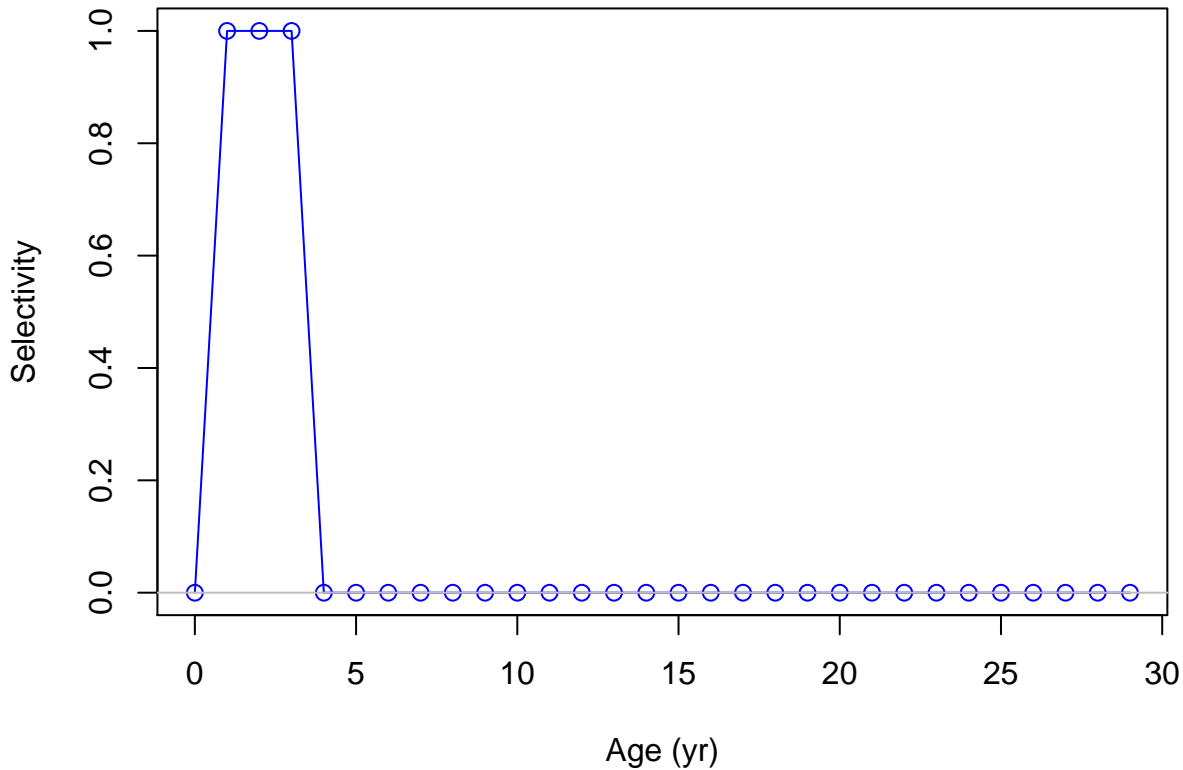
Female ending year selectivity for F26-OBJ_C_disc



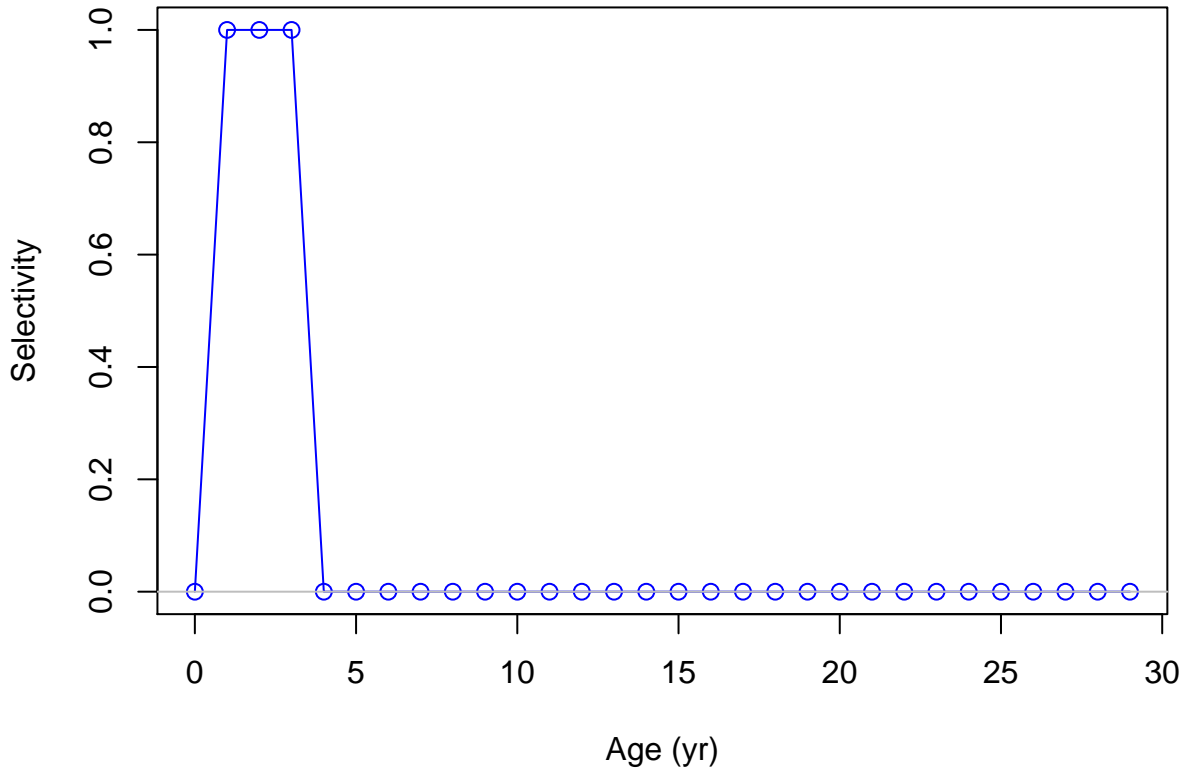
Male ending year selectivity for F26-OBJ_C_disc



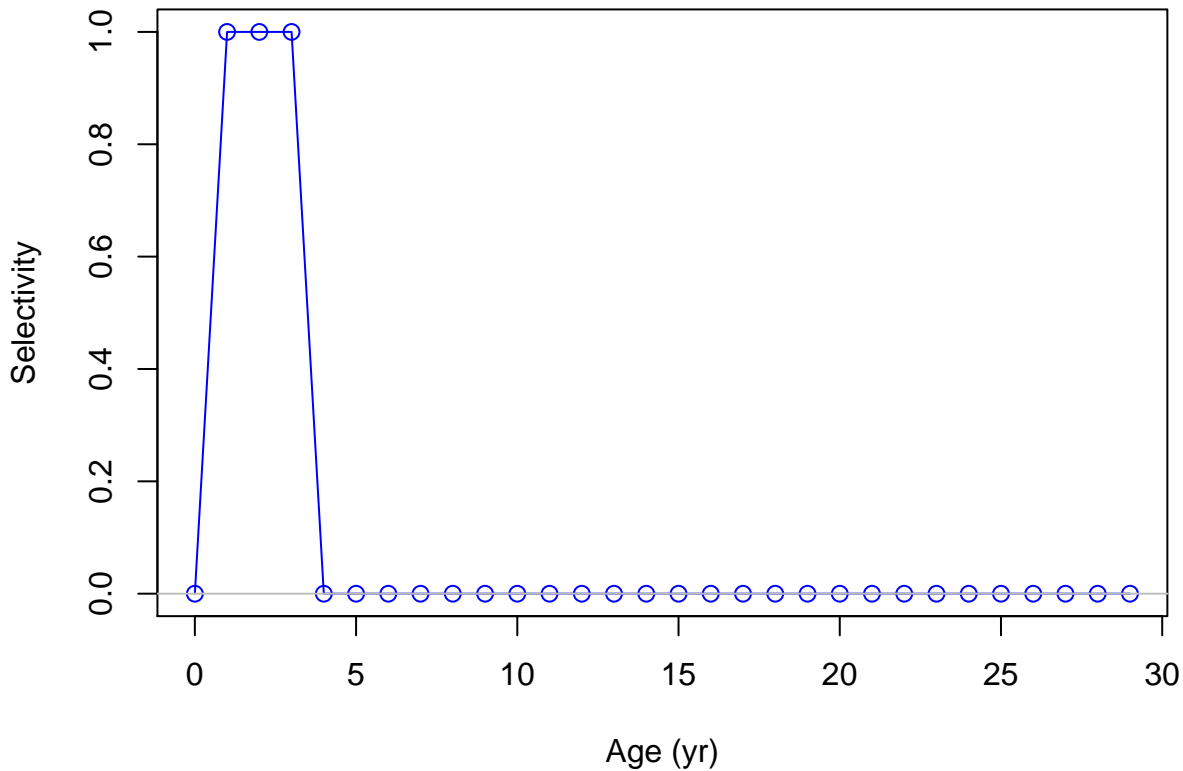
Female ending year selectivity for F27-OBJ_I_disc



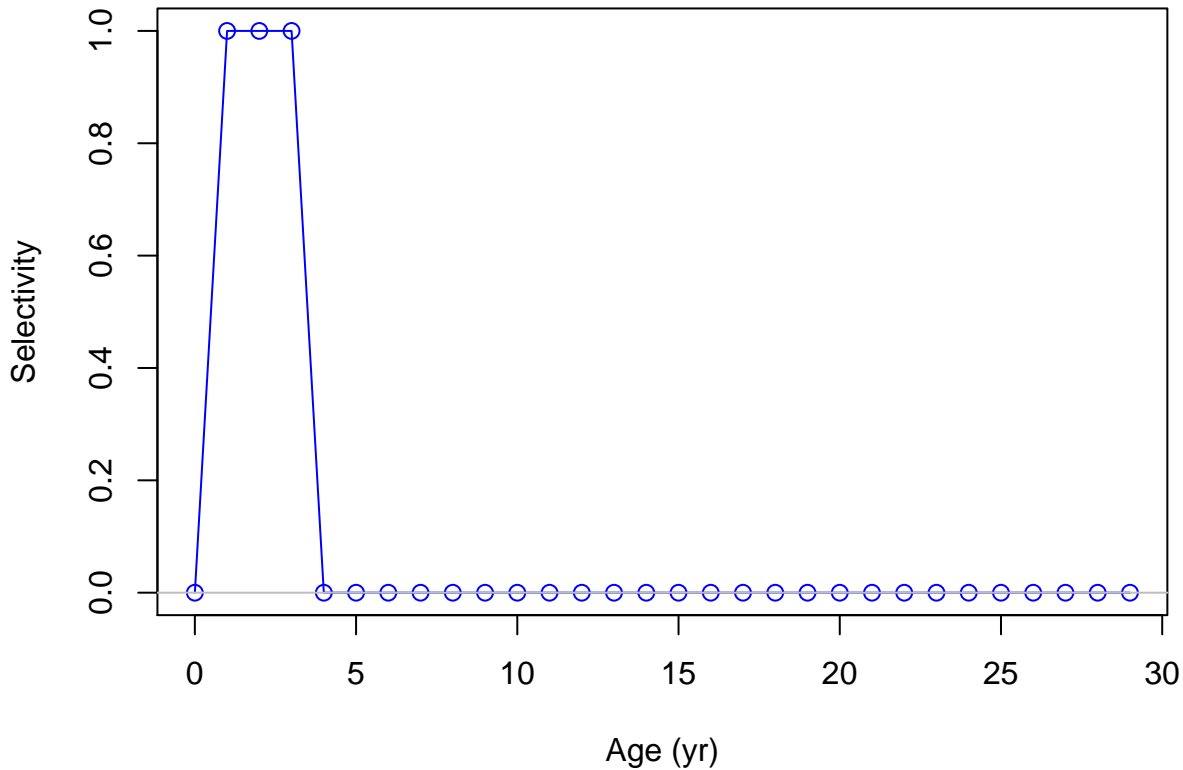
Male ending year selectivity for F27-OBJ_I_disc



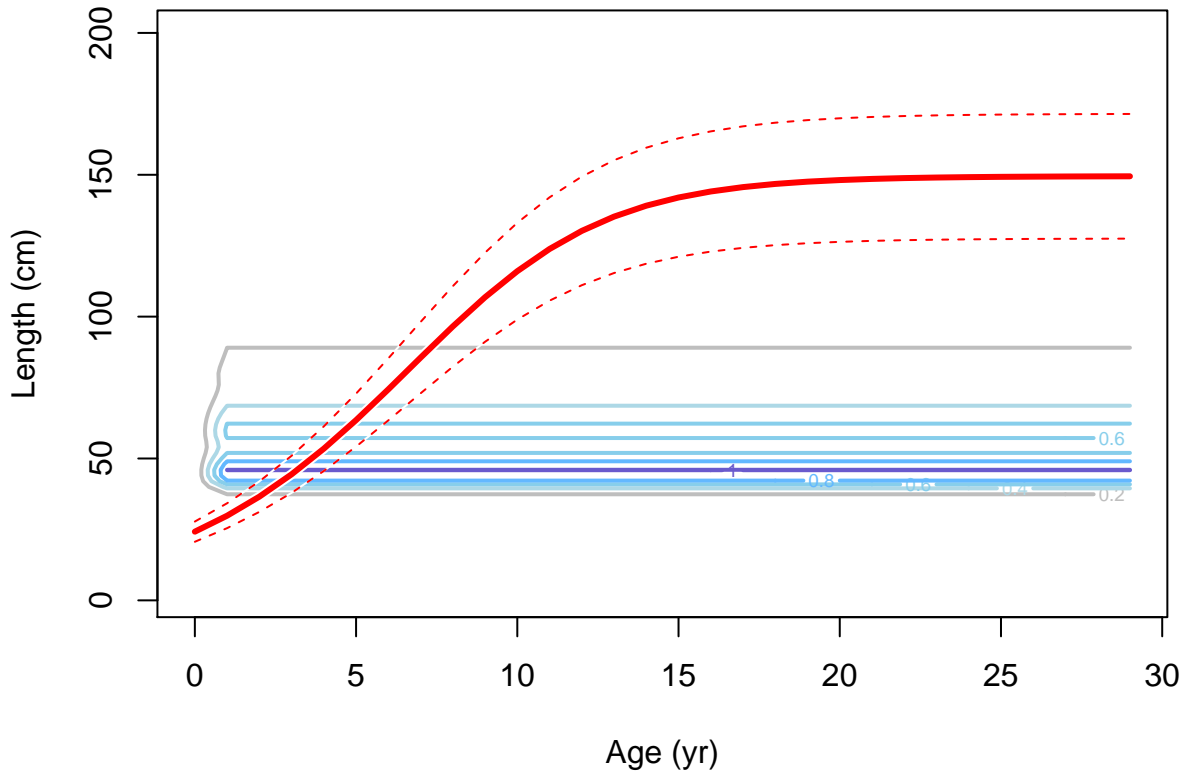
Female ending year selectivity for F28-OBJ_N_disc



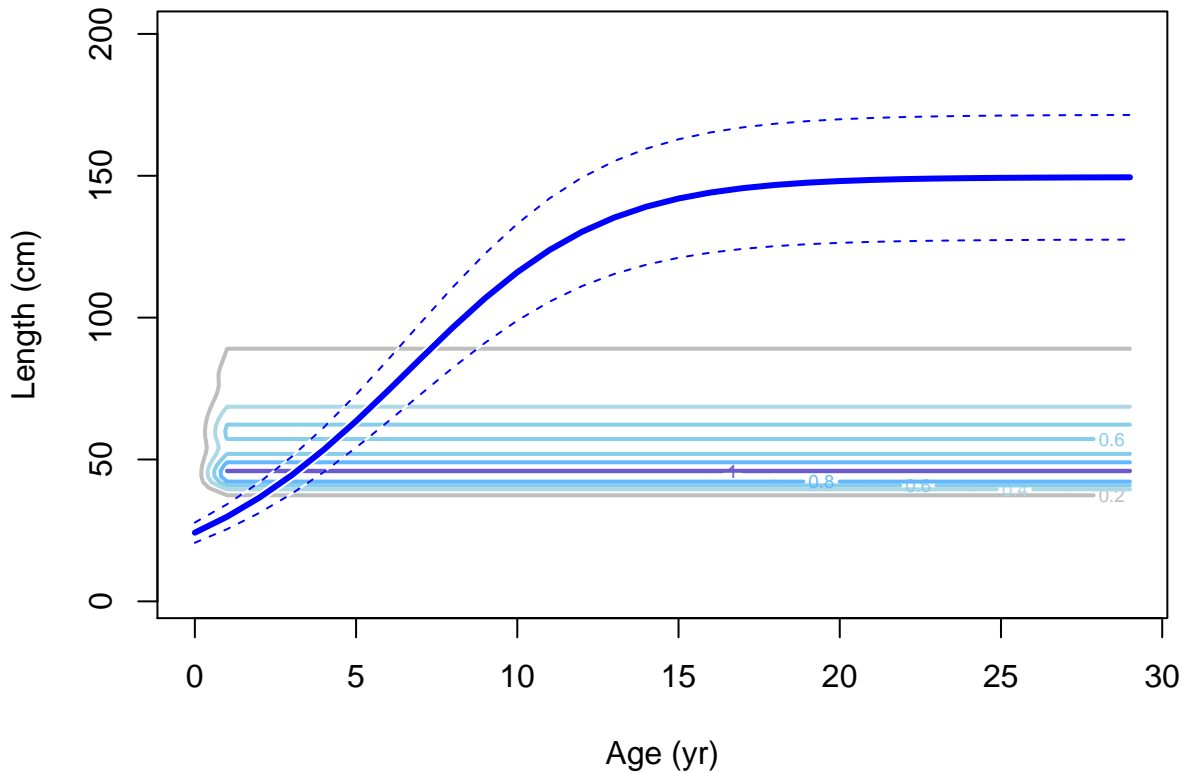
Male ending year selectivity for F28-OBJ_N_disc



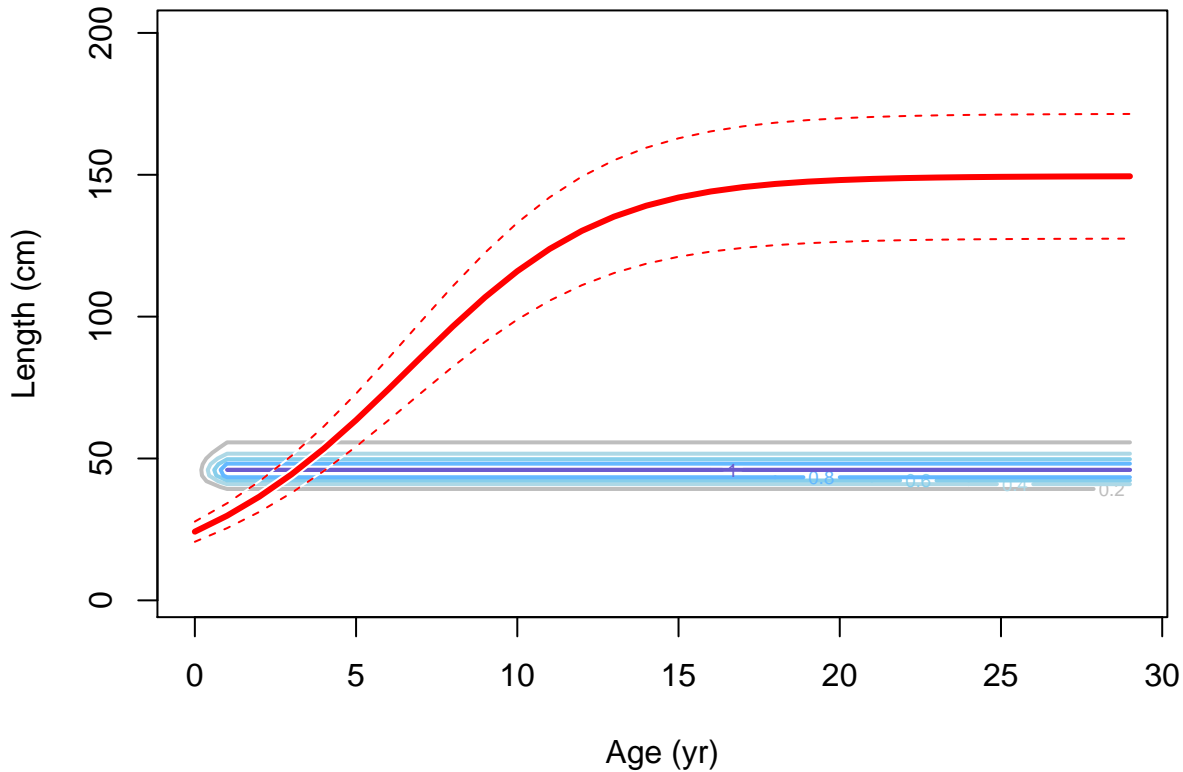
Female ending year selectivity and growth for F1-OBJ_N-Q14



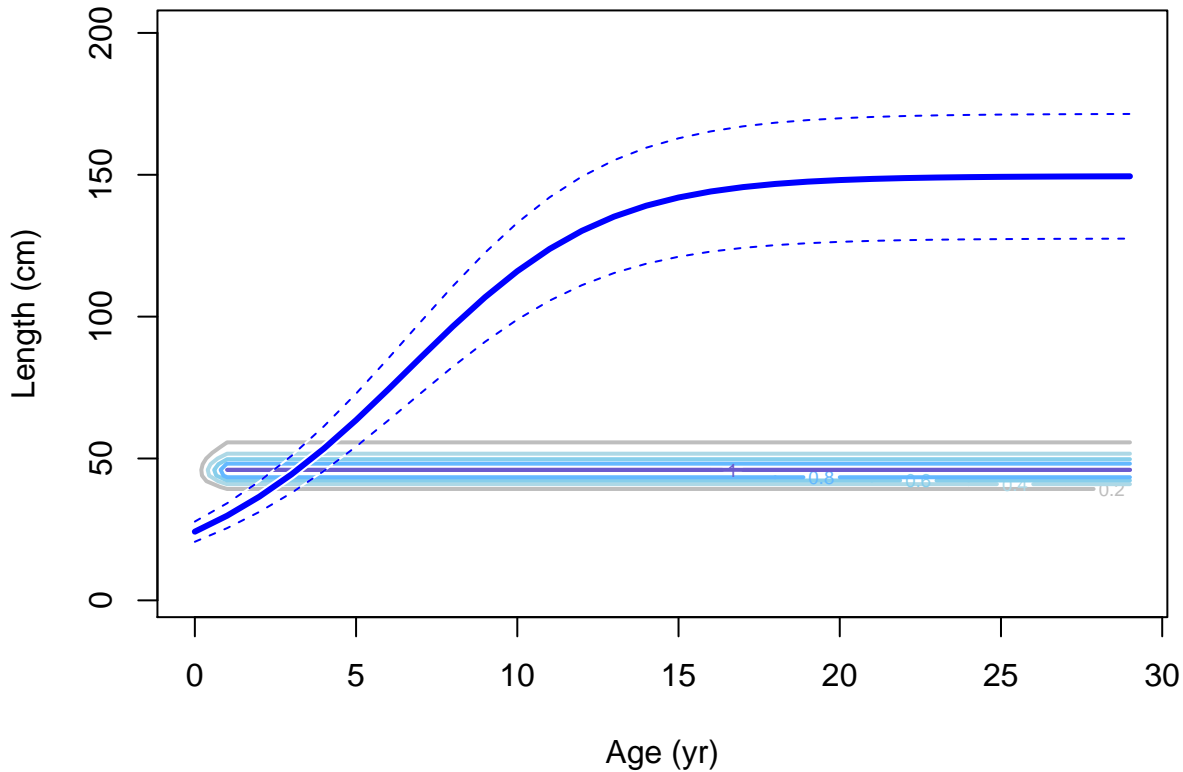
Male ending year selectivity and growth for F1-OBJ_N-Q14



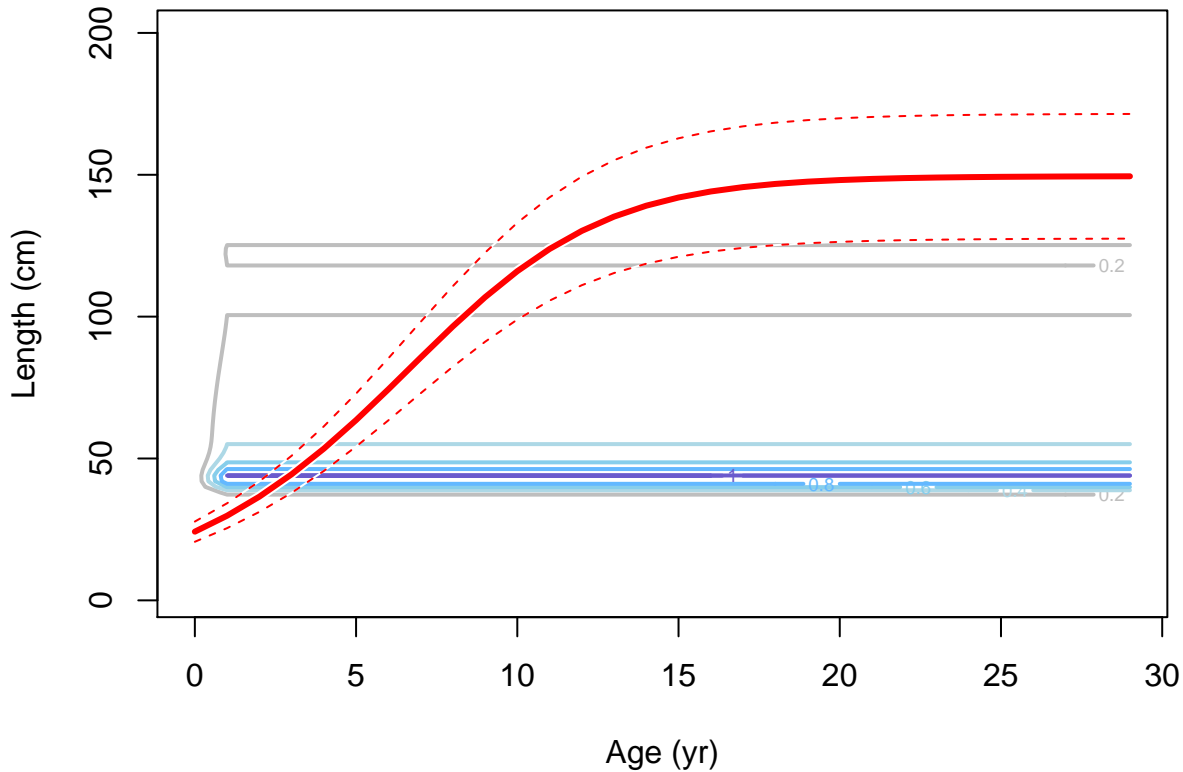
Female ending year selectivity and growth for F2-OBJ_Nc_Q14



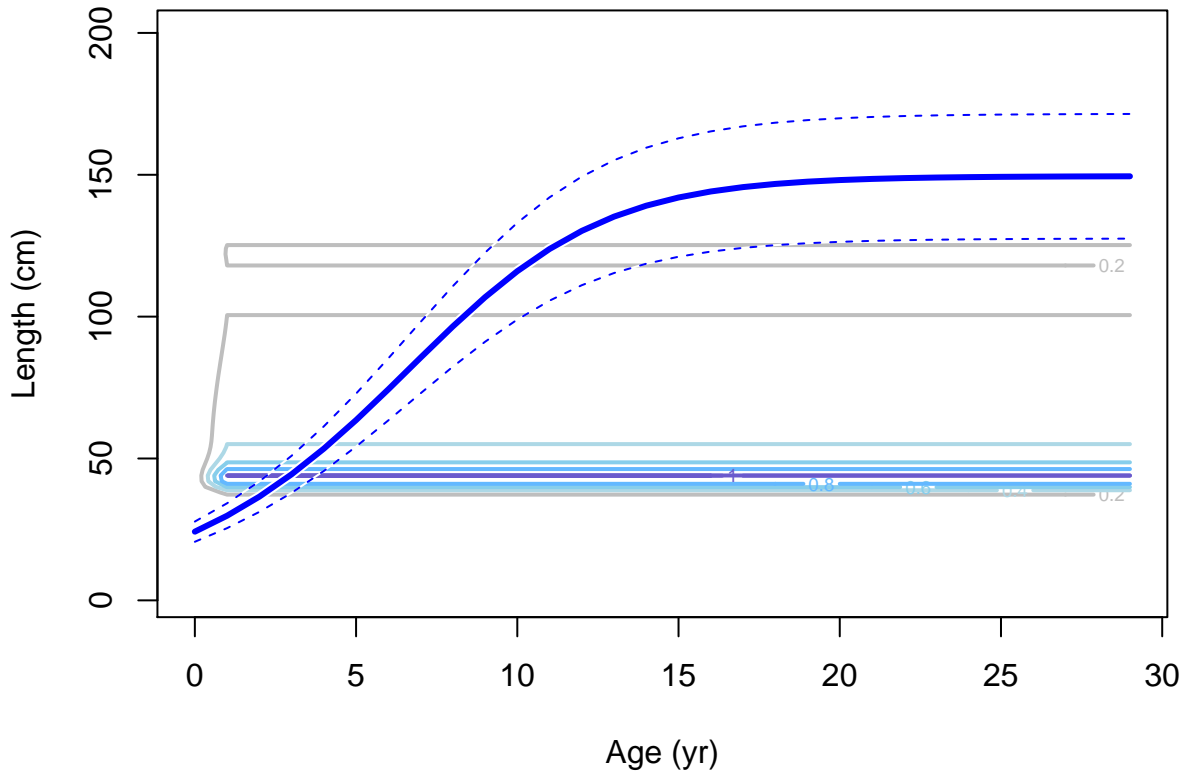
Male ending year selectivity and growth for F2-OBJ_Nc_Q14



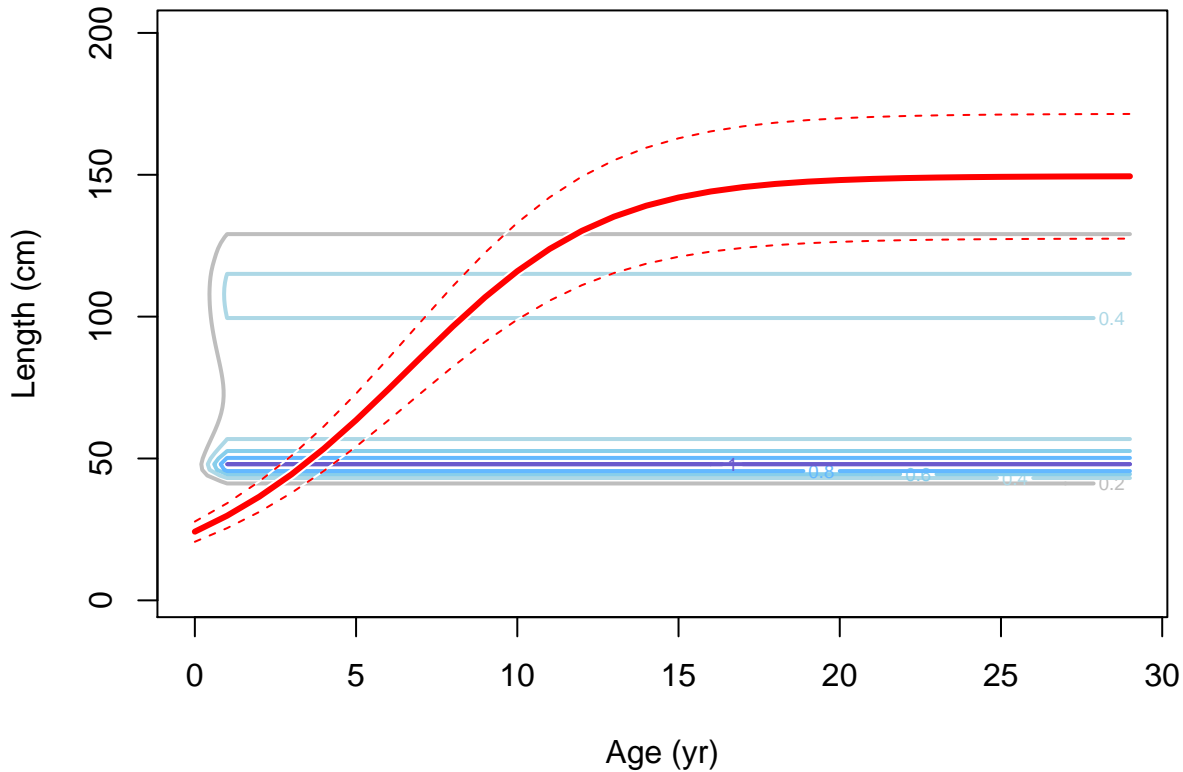
Female ending year selectivity and growth for F3-OBJ_C_Q14



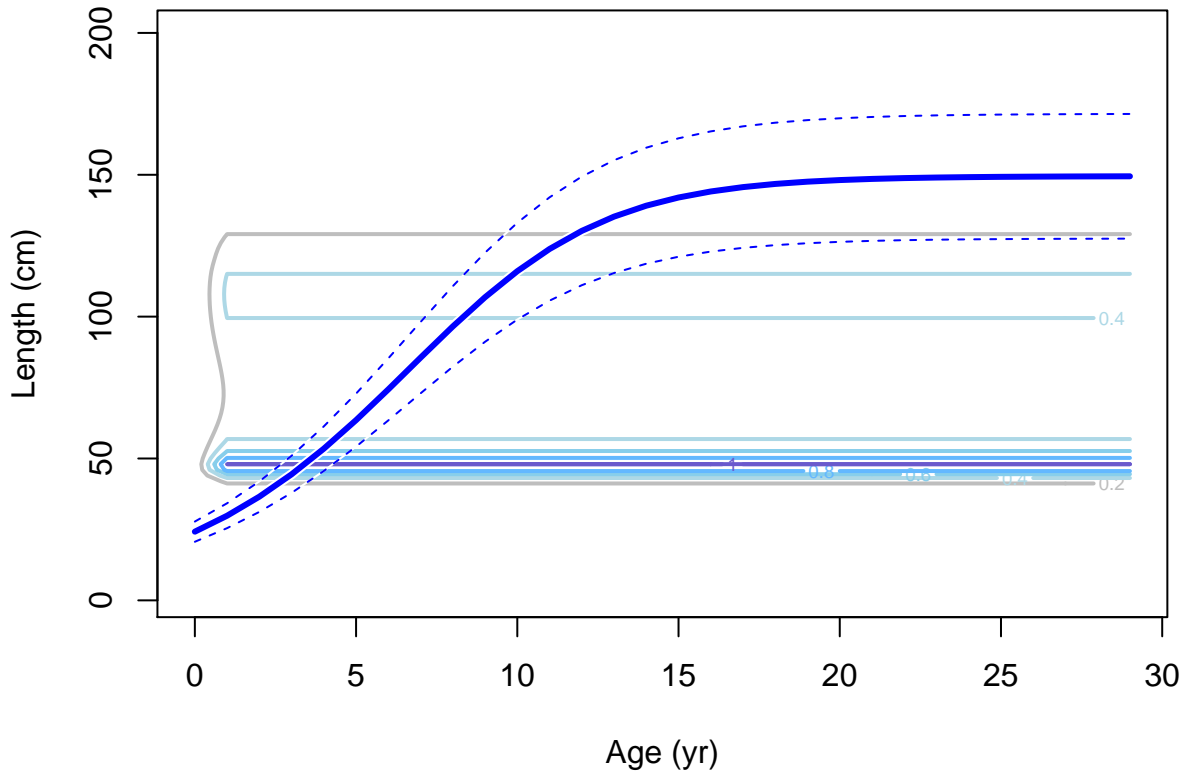
Male ending year selectivity and growth for F3-OBJ_C_Q14



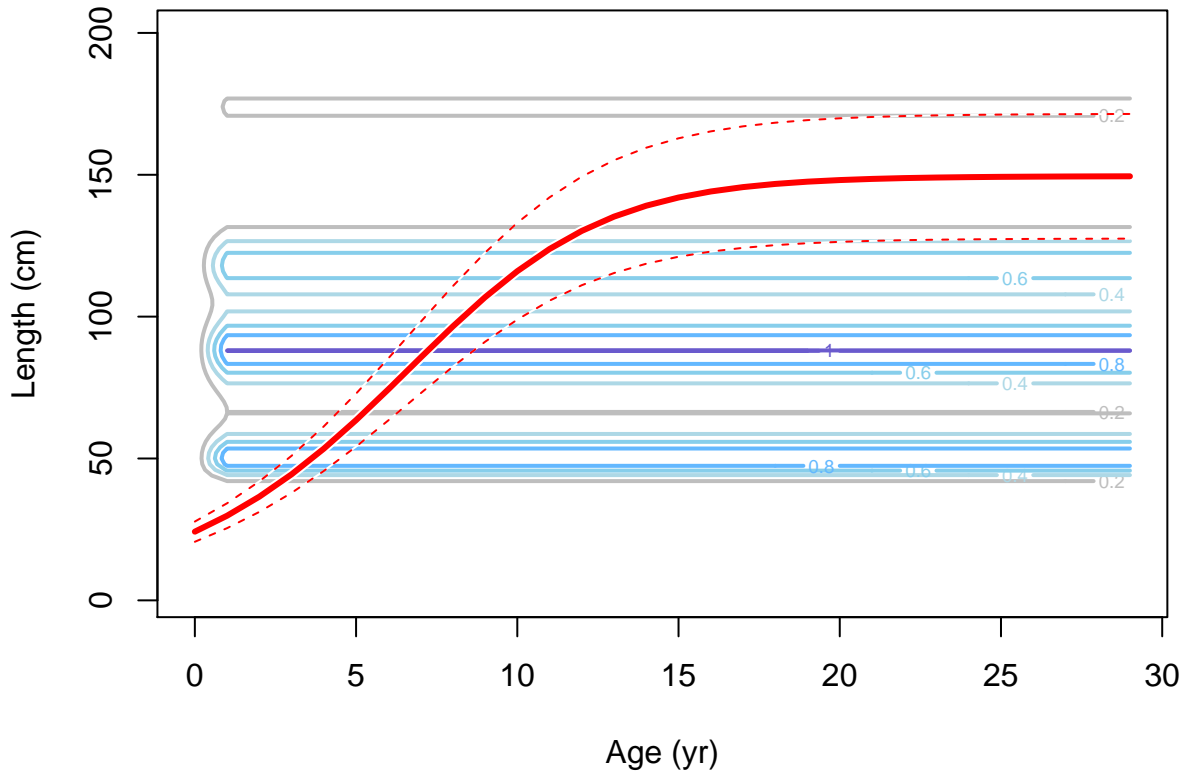
Female ending year selectivity and growth for F4-OBJ_Cc_Q14



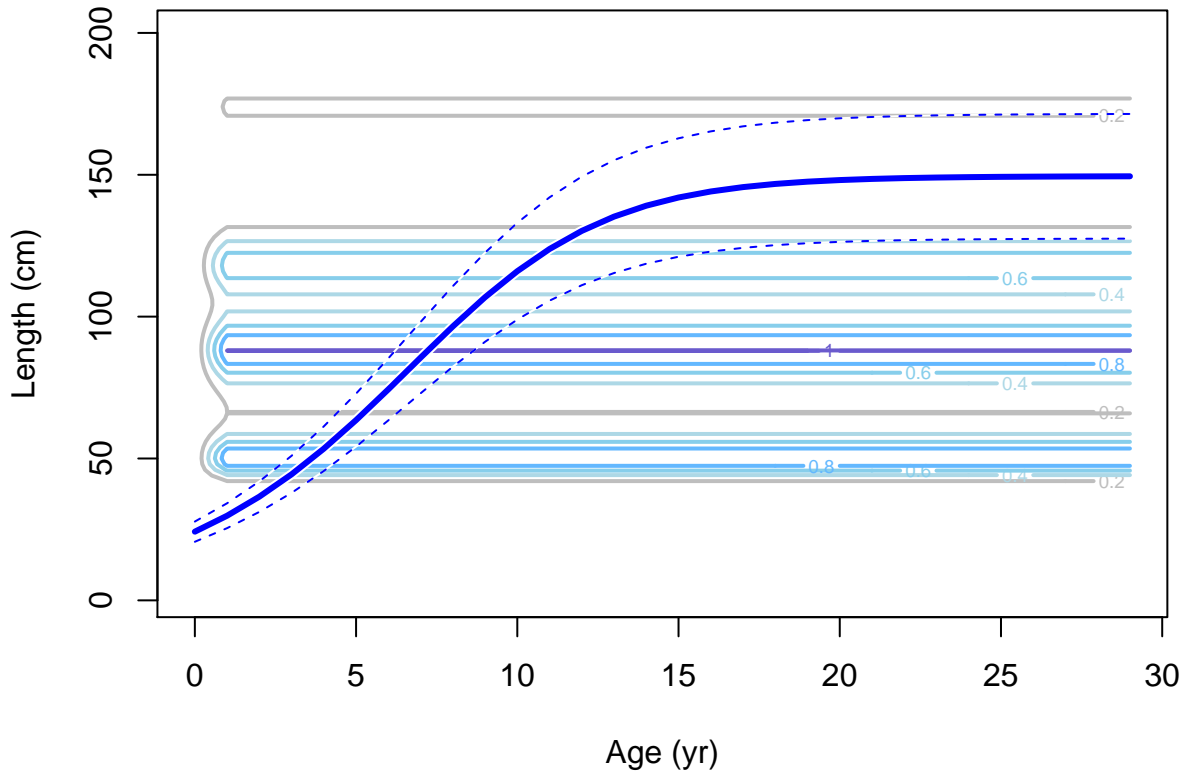
Male ending year selectivity and growth for F4-OBJ_Cc_Q14



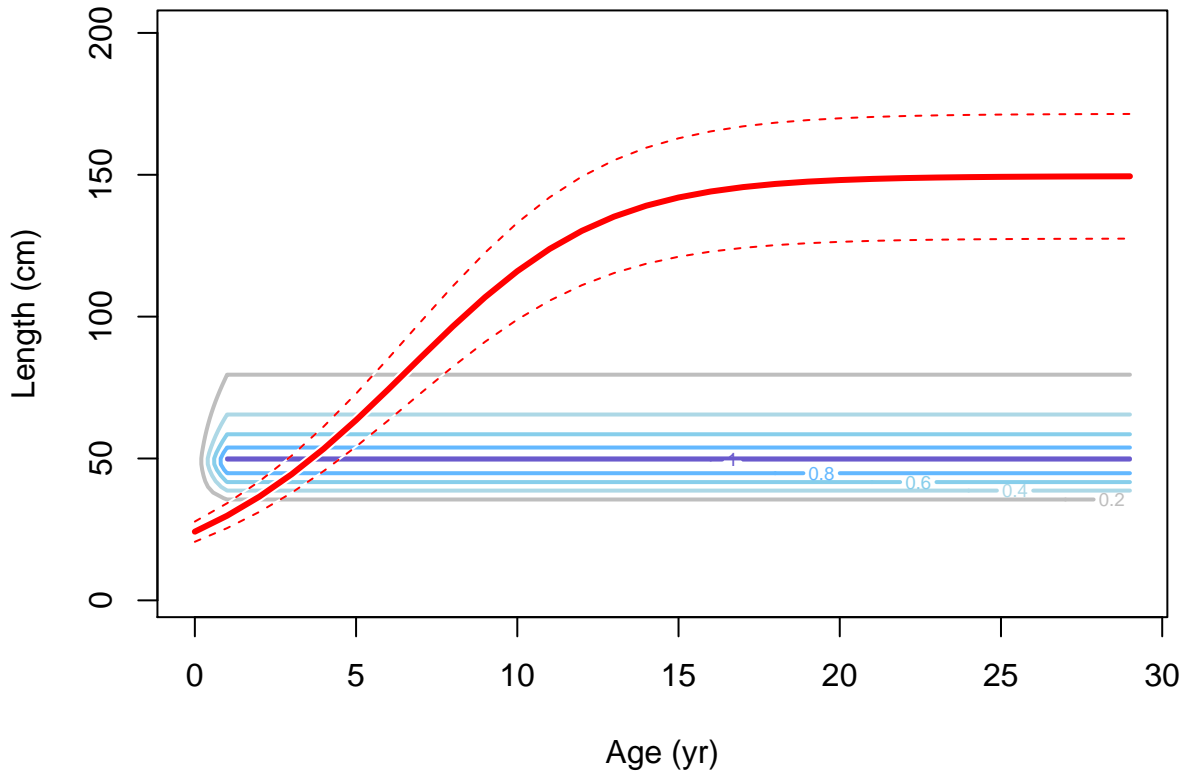
Female ending year selectivity and growth for F5-Obj_S_Q14



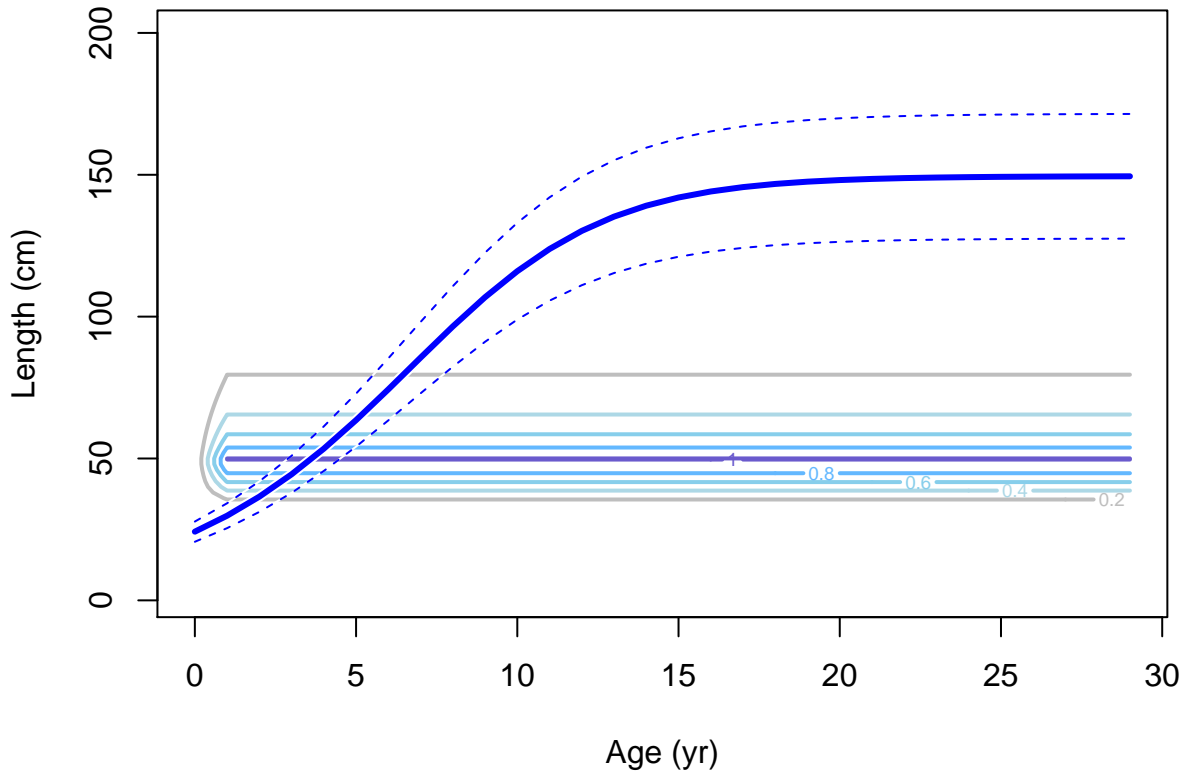
Male ending year selectivity and growth for F5-OBJ_S_Q14



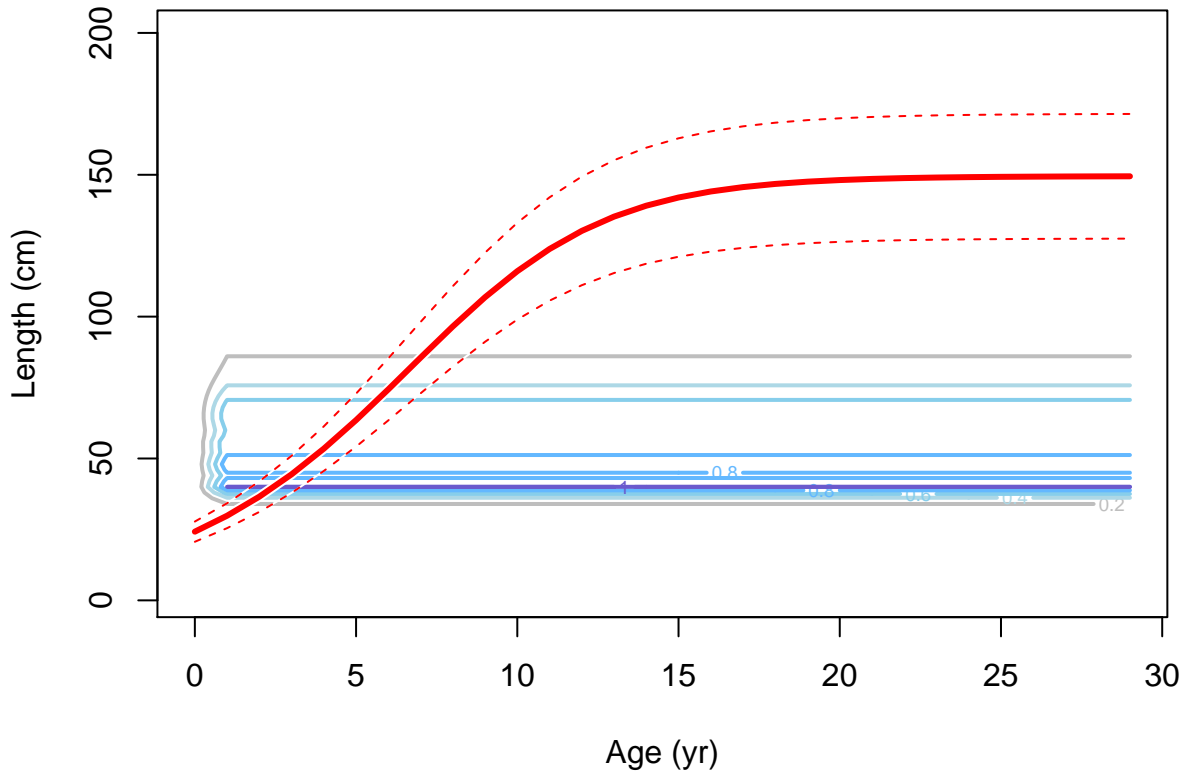
Female ending year selectivity and growth for F6-OBJ_N_Q23



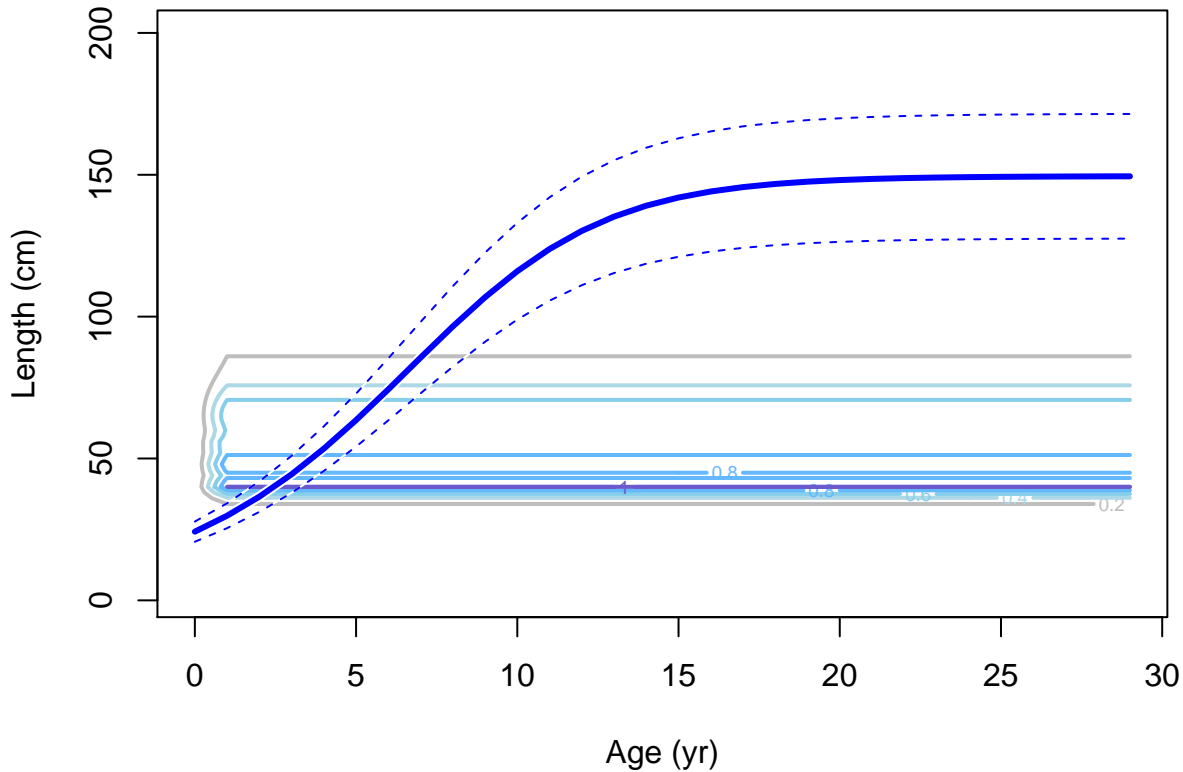
Male ending year selectivity and growth for F6-OBJ_N_Q23



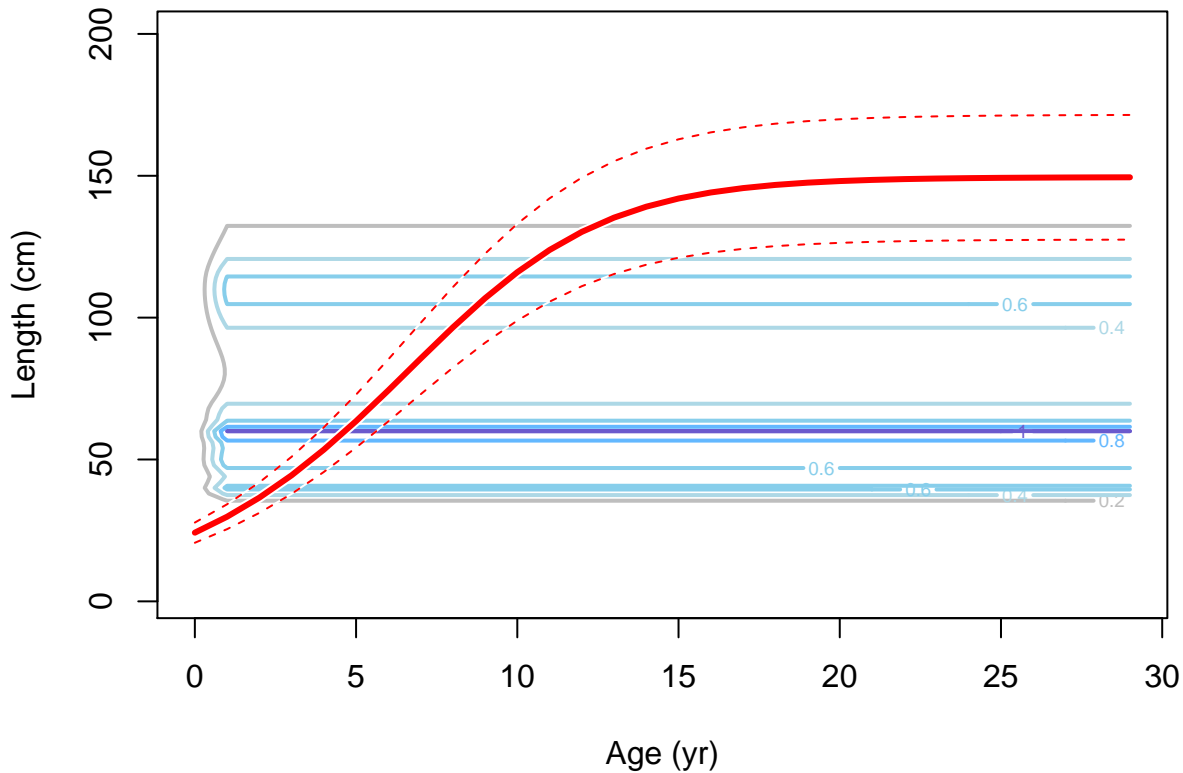
Female ending year selectivity and growth for F7-OBJ_Nc_Q23



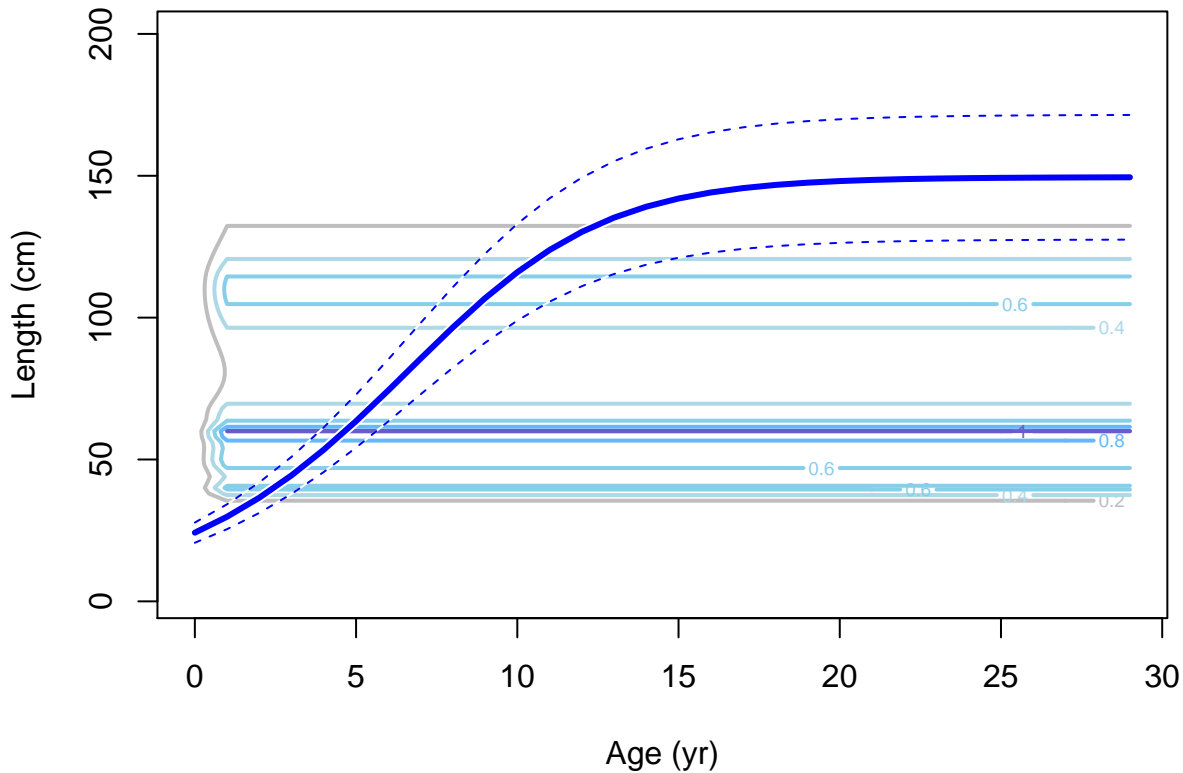
Male ending year selectivity and growth for F7-OBJ_Nc_Q23



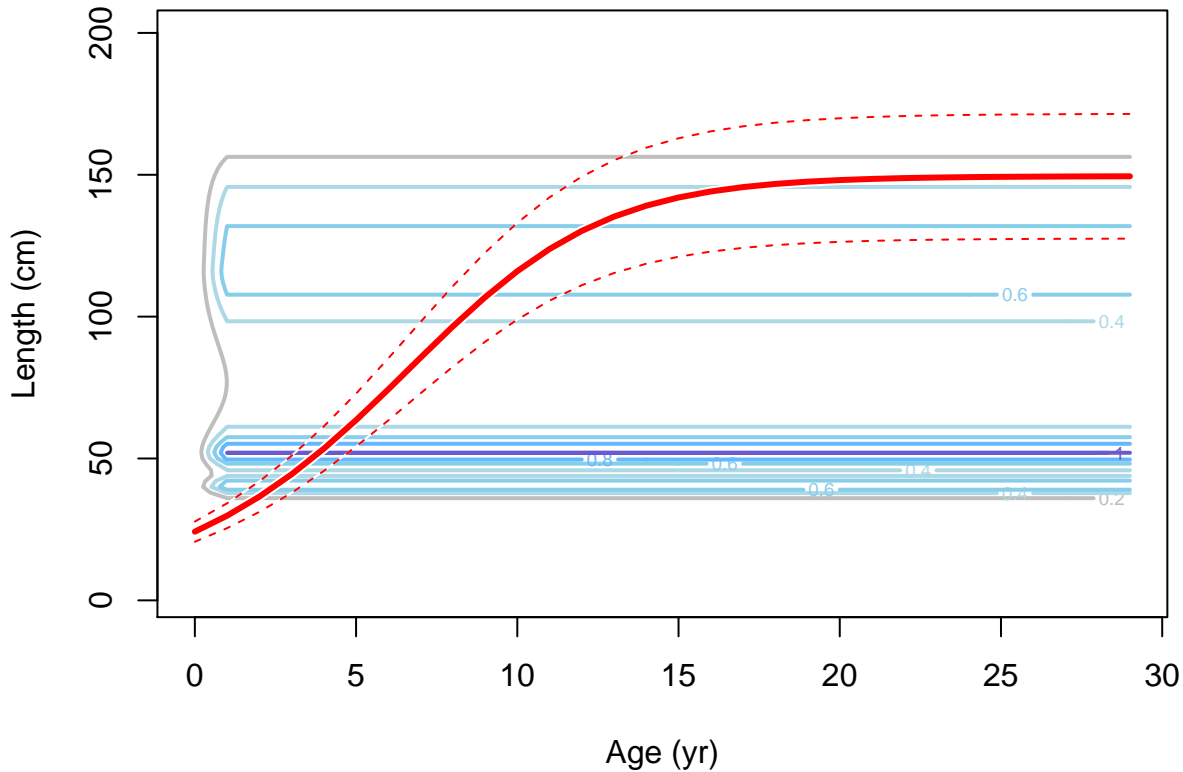
Female ending year selectivity and growth for F8-OBJ_C_Q23



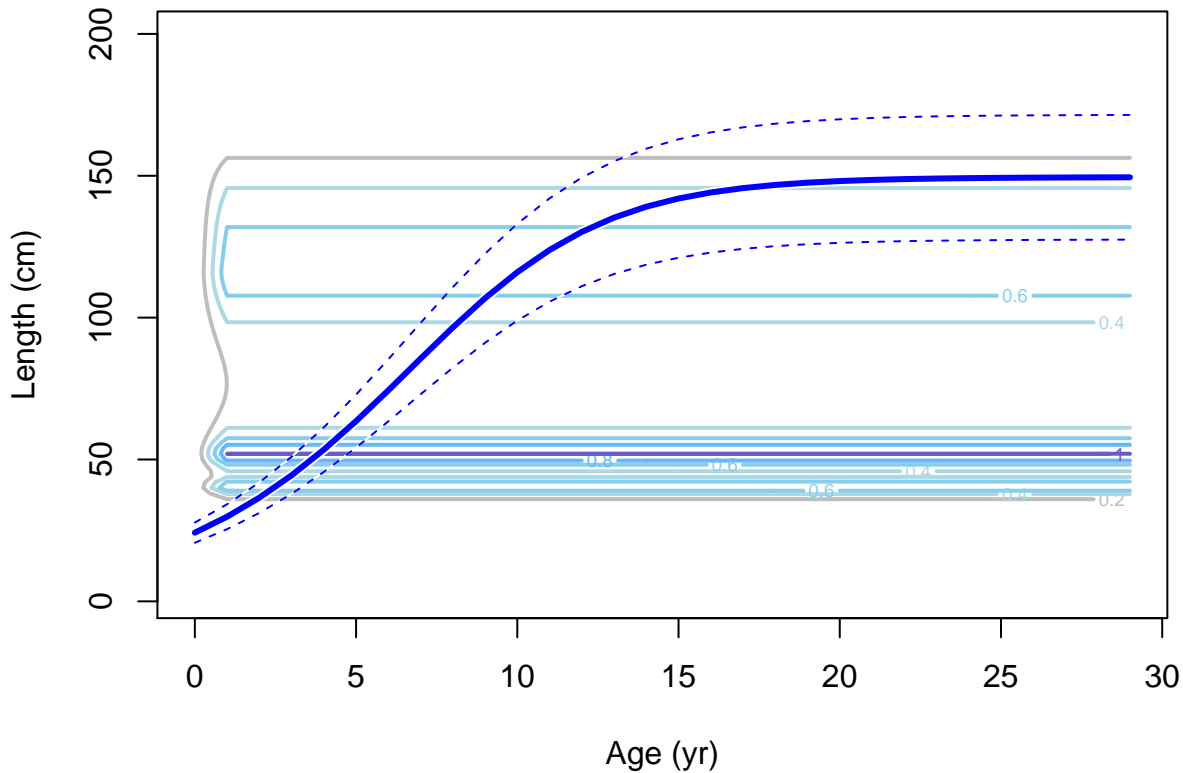
Male ending year selectivity and growth for F8-OBJ_C_Q23



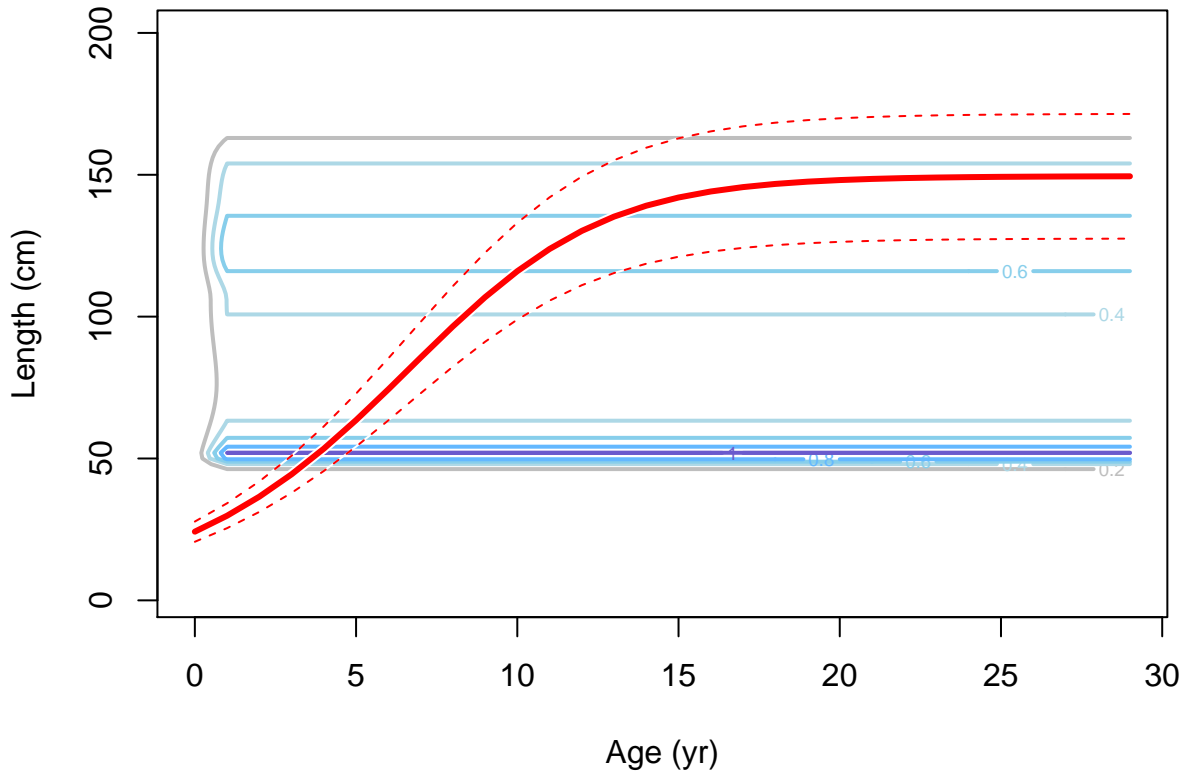
Female ending year selectivity and growth for F9-OBJ_Cc_Q23



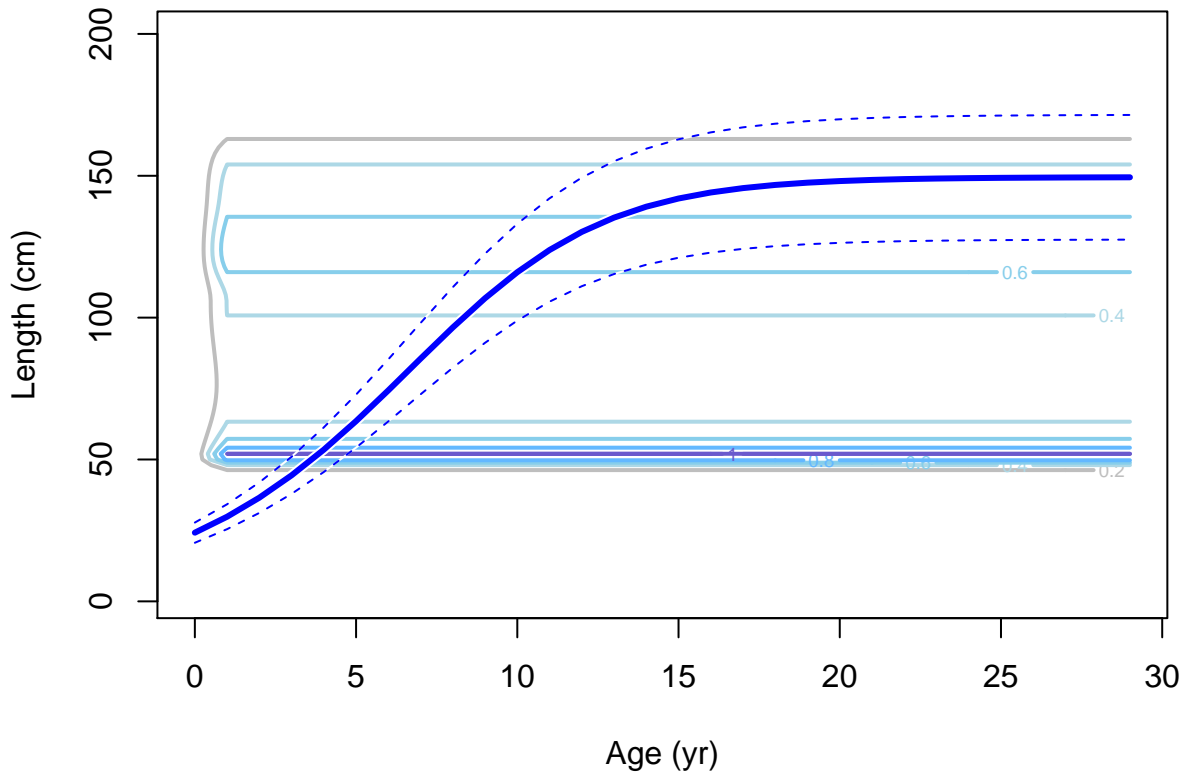
Male ending year selectivity and growth for F9-OBJ_Cc_Q23



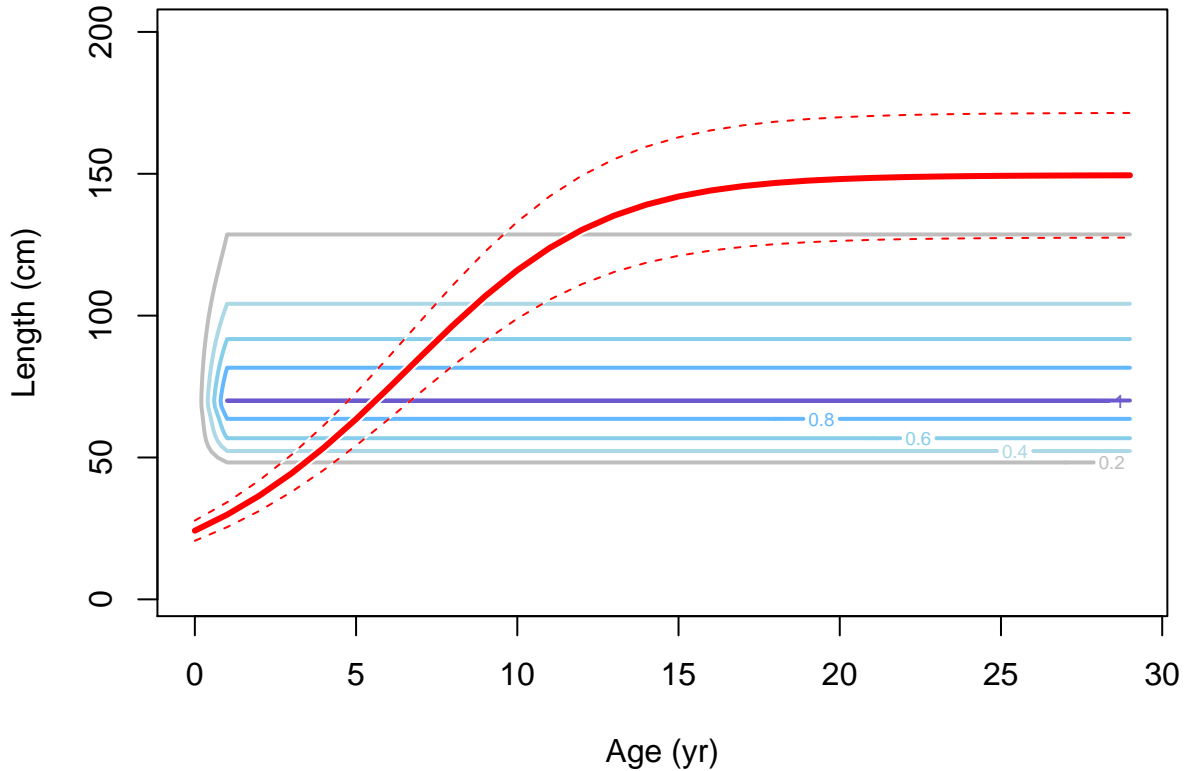
Female ending year selectivity and growth for F10-OBJ_S_Q23



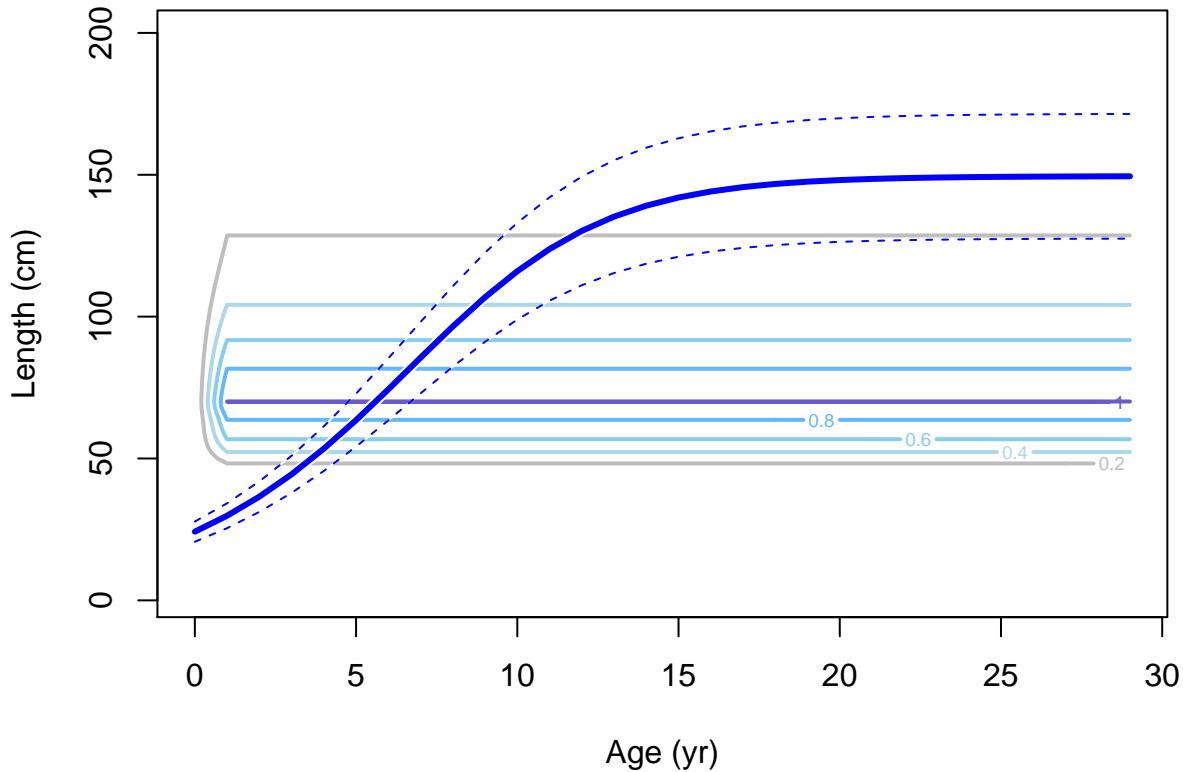
Male ending year selectivity and growth for F10-OBJ_S_Q23



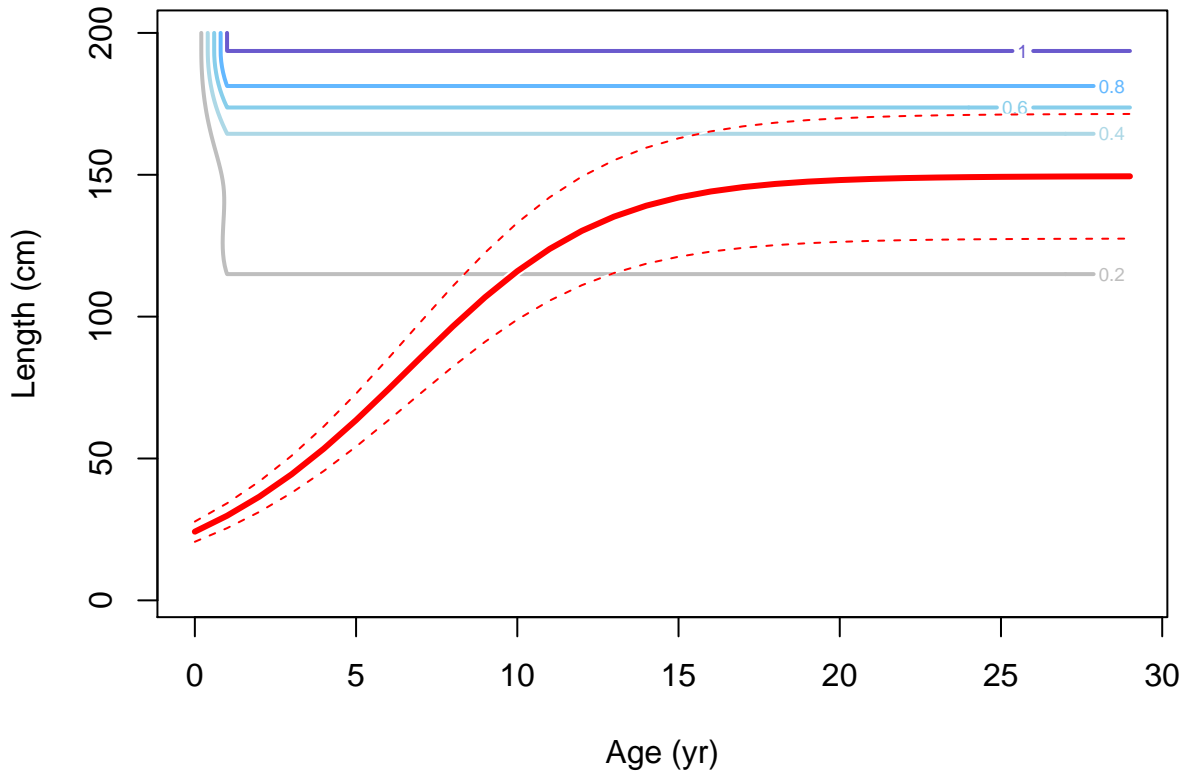
Female ending year selectivity and growth for F11-NOA_N



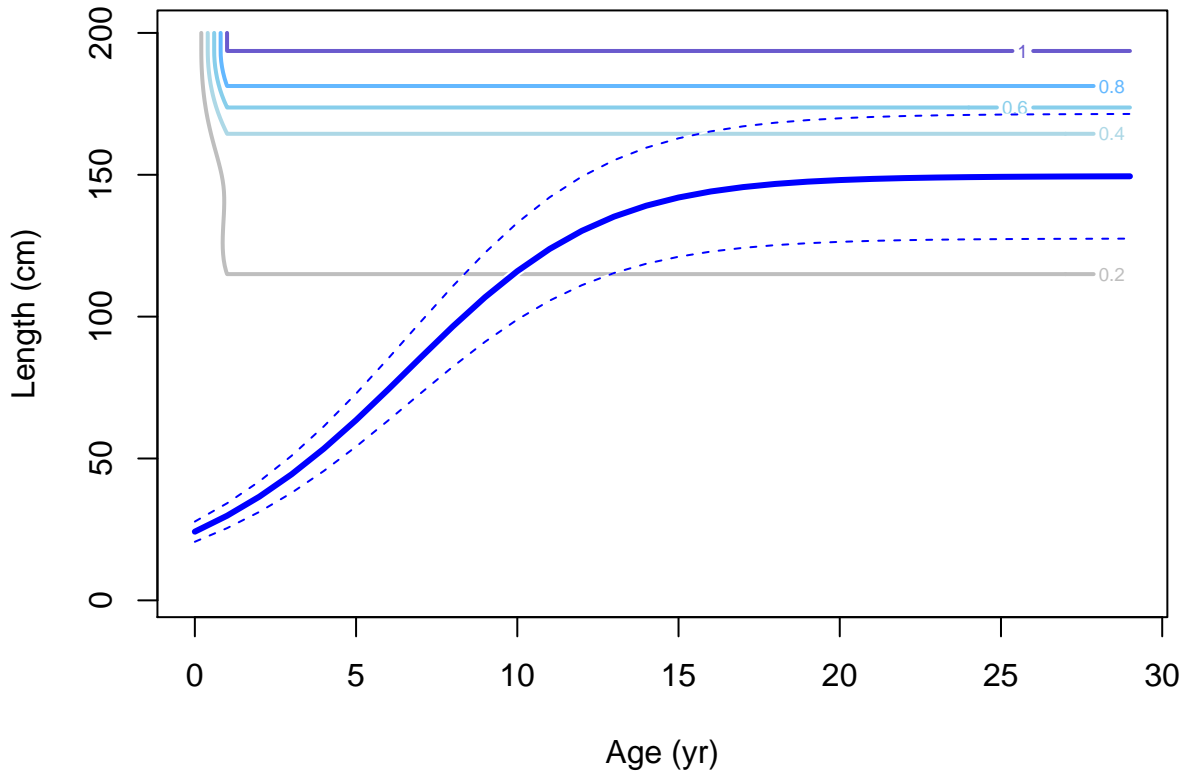
Male ending year selectivity and growth for F11-NOA_N



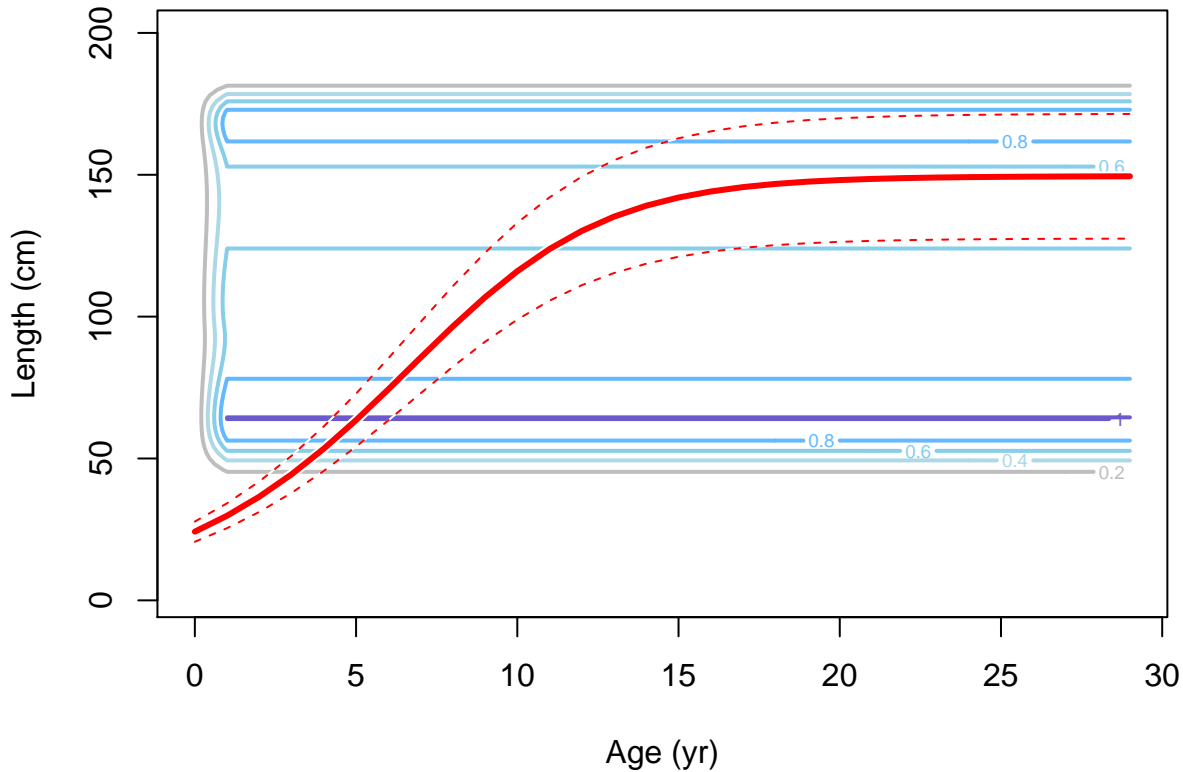
Female ending year selectivity and growth for F12-NOA_C



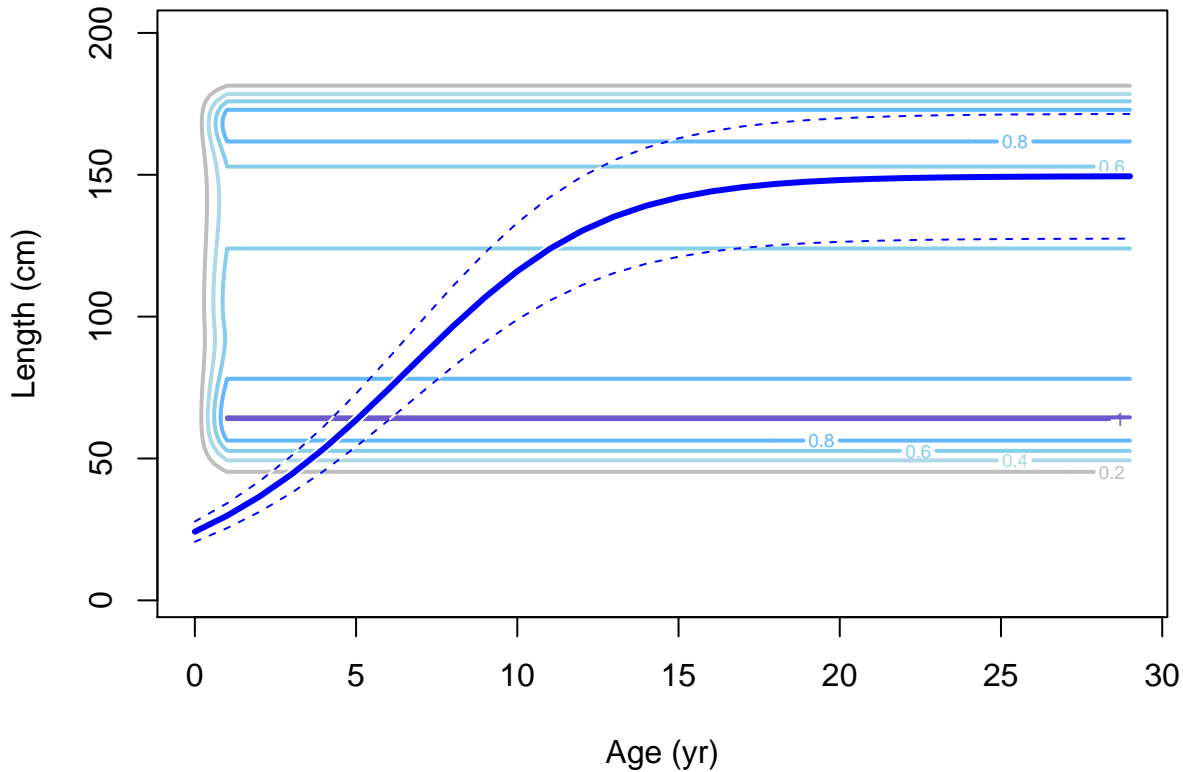
Male ending year selectivity and growth for F12-NOA_C



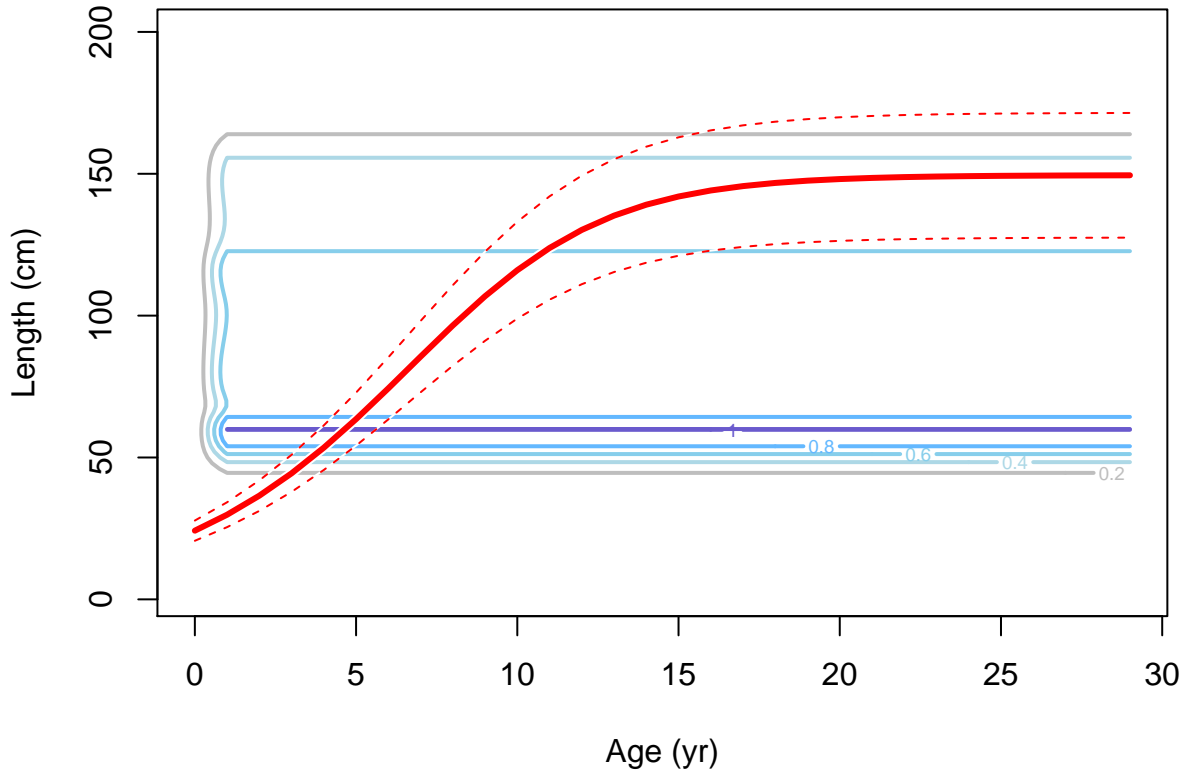
Female ending year selectivity and growth for F13-NOA_I



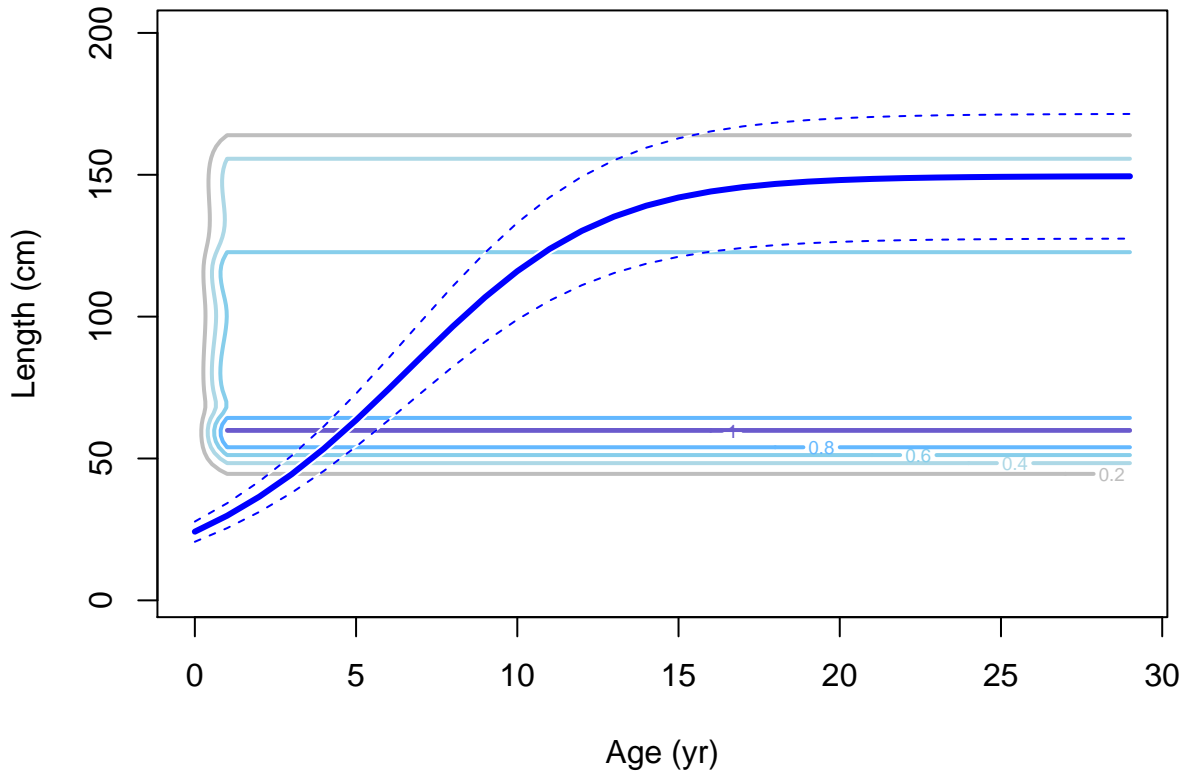
Male ending year selectivity and growth for F13-NOA_I



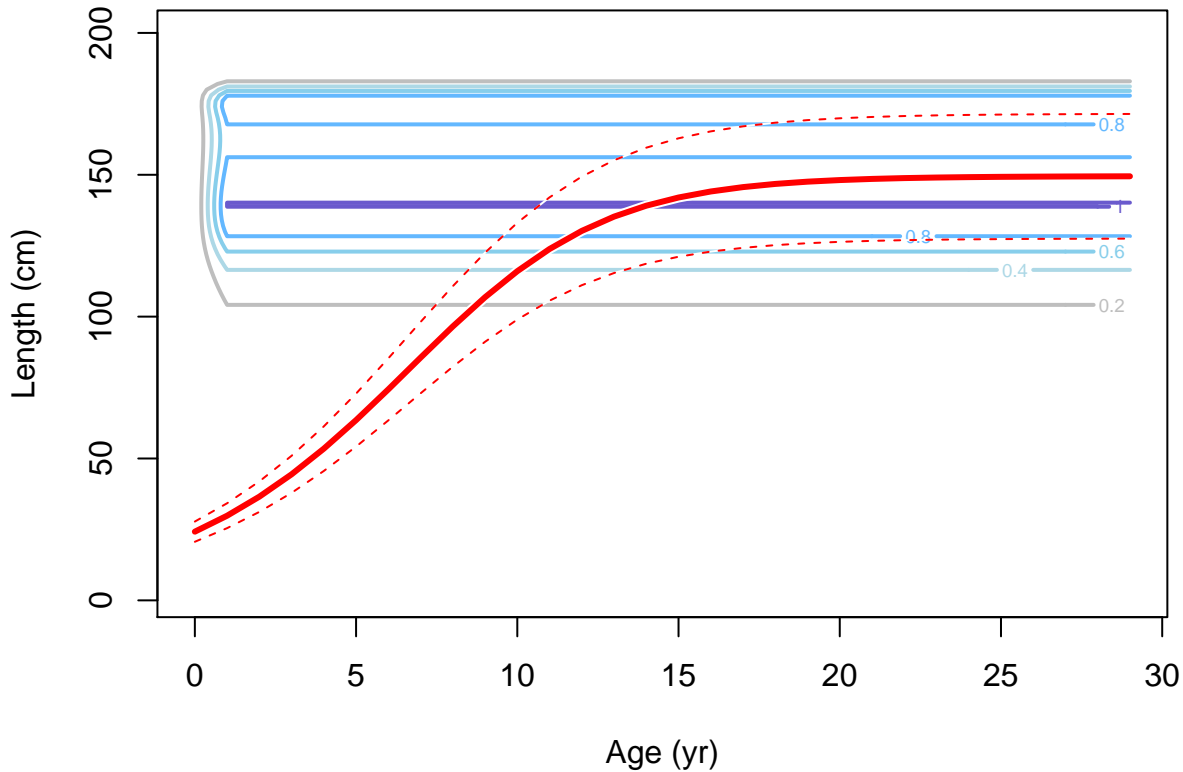
Female ending year selectivity and growth for F14-NOA_S



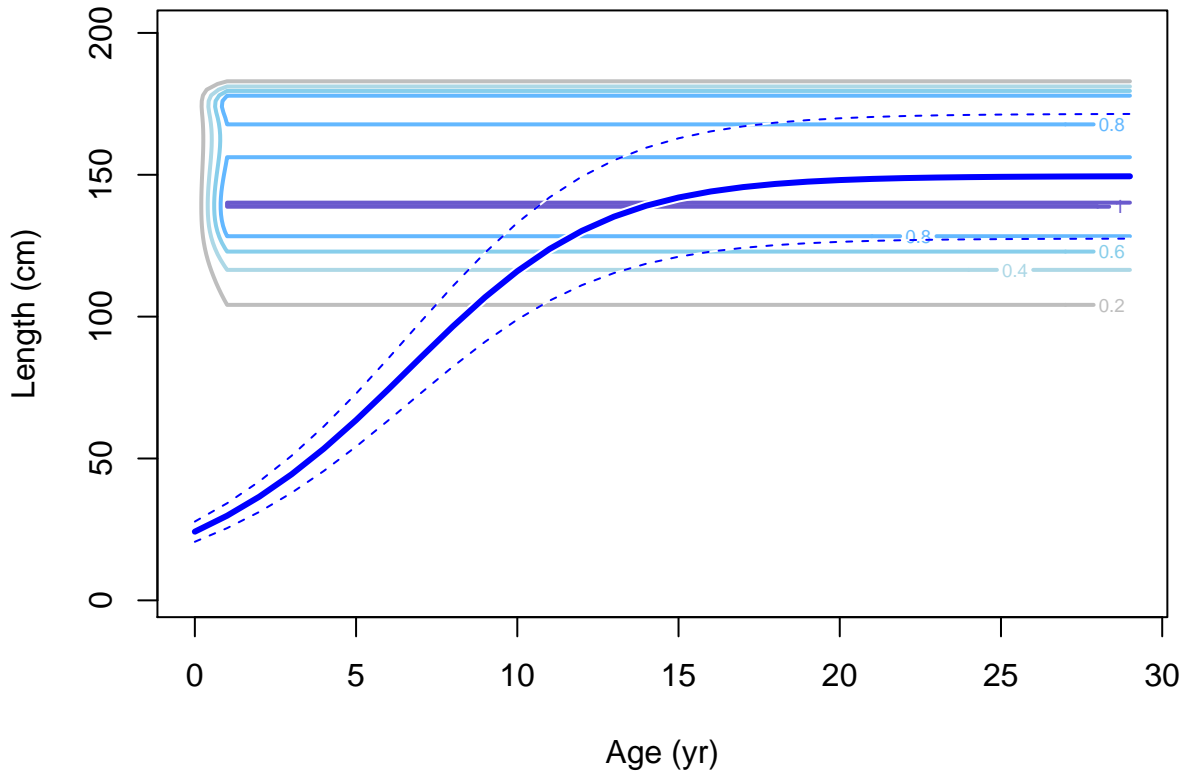
Male ending year selectivity and growth for F14-NOA_S



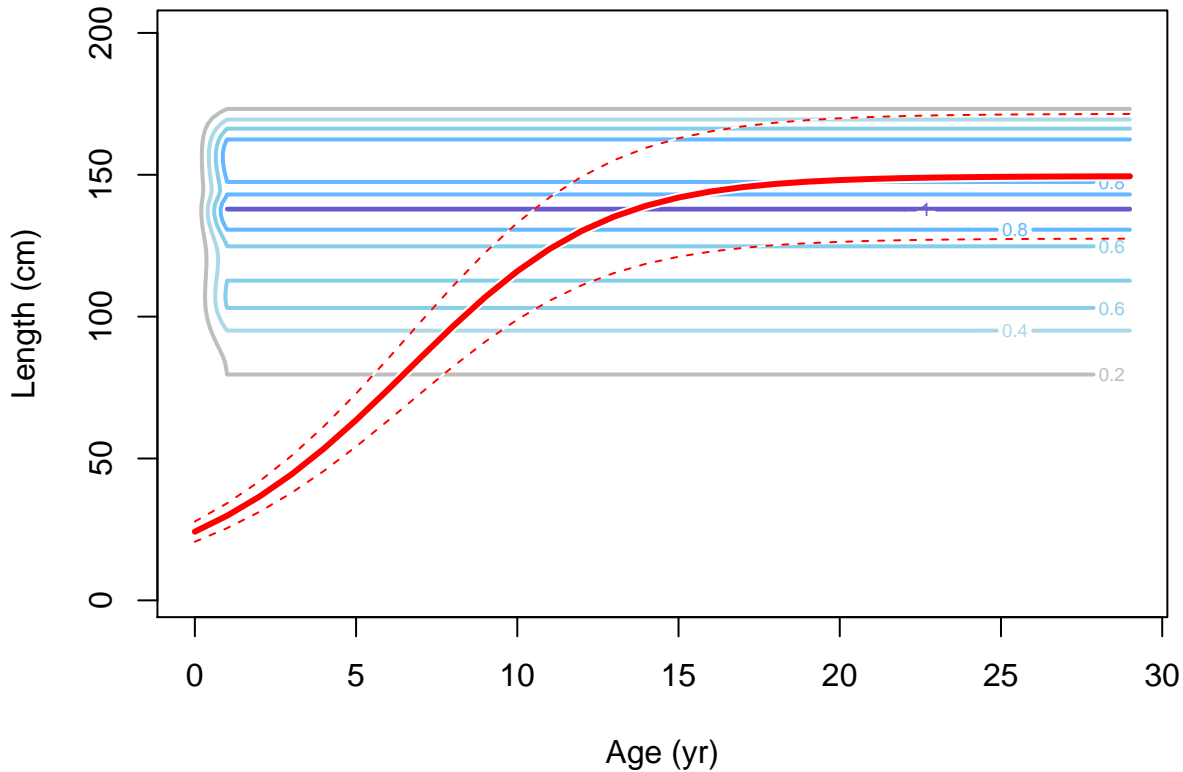
Female ending year selectivity and growth for F15-DEL_N



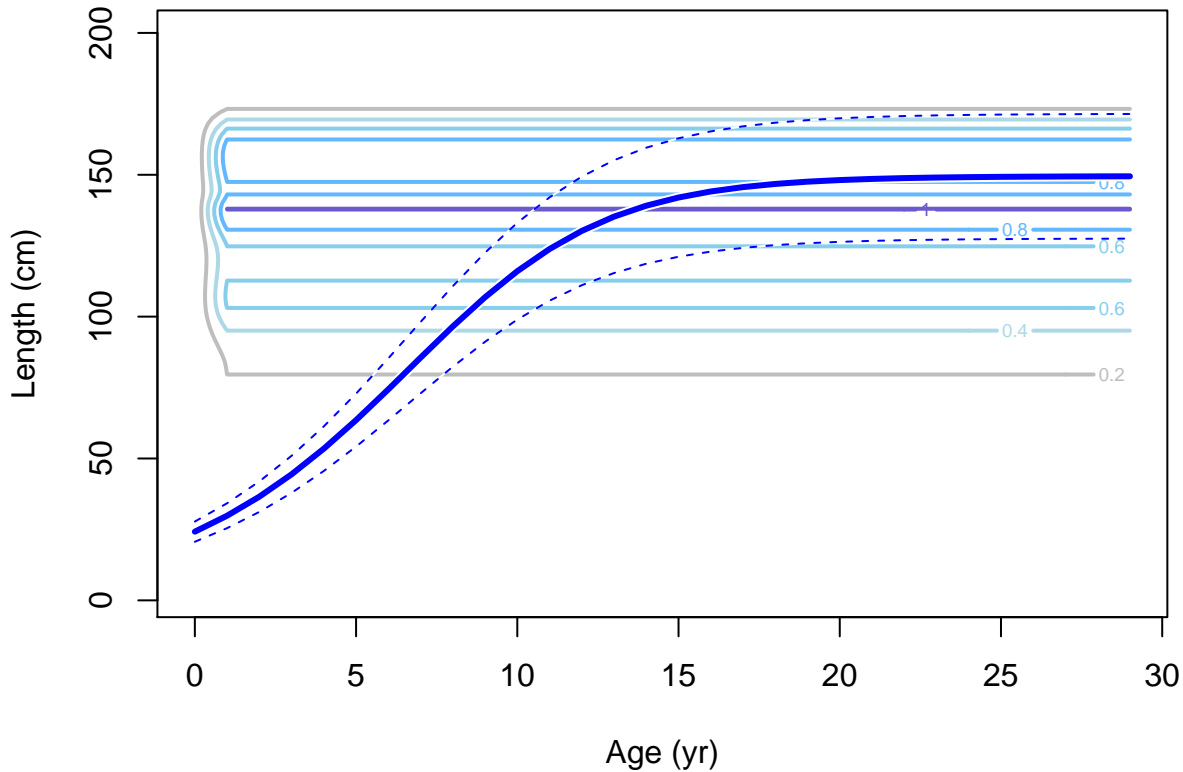
Male ending year selectivity and growth for F15-DEL_N



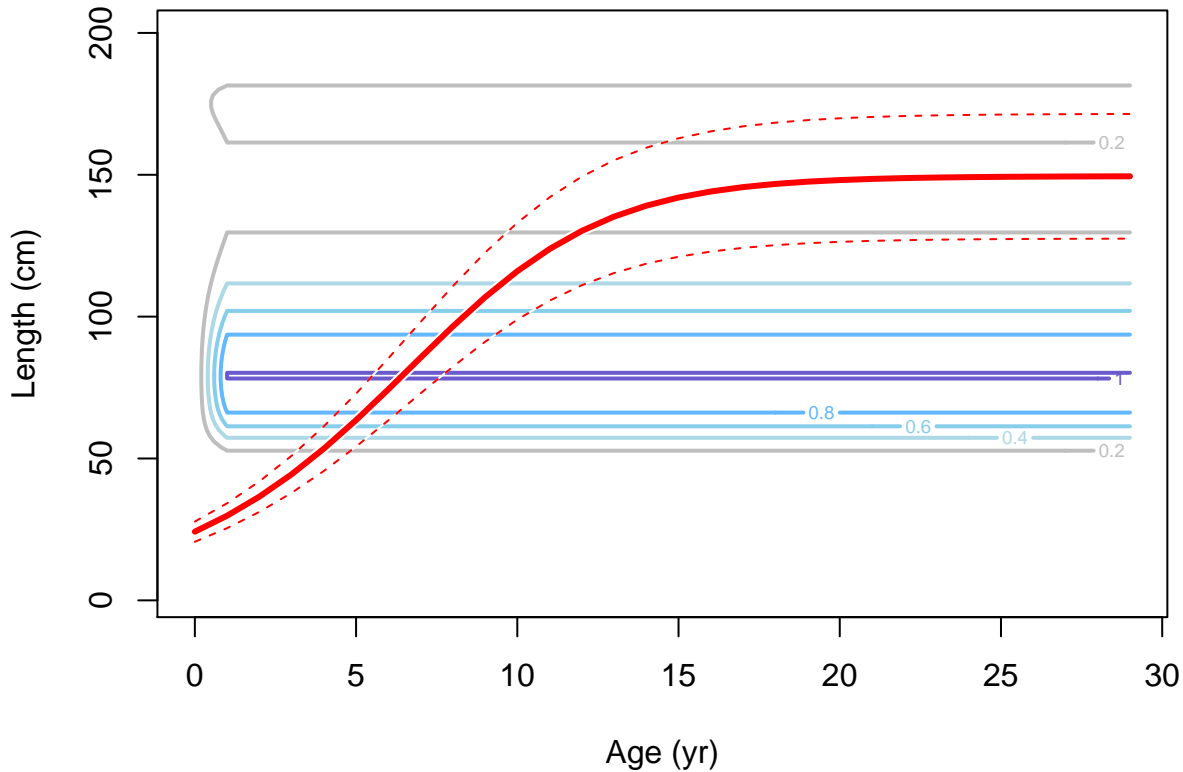
Female ending year selectivity and growth for F16-DEL_NE



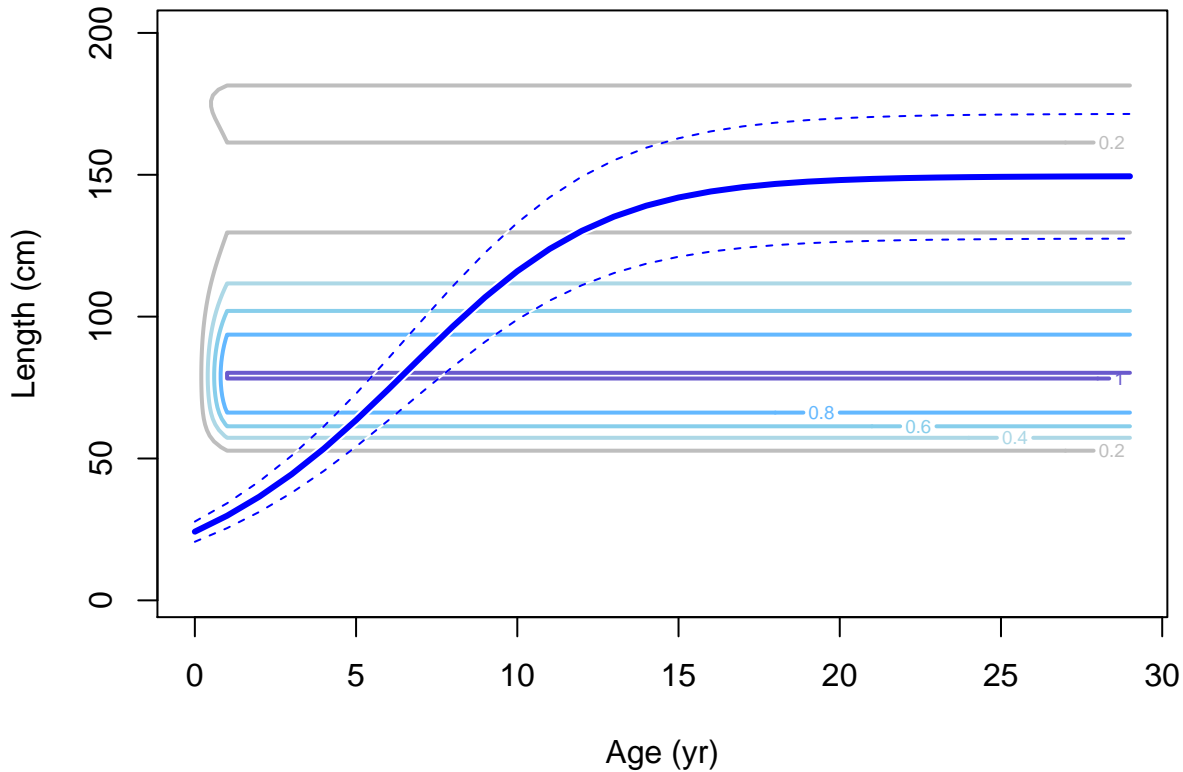
Male ending year selectivity and growth for F16-DEL_NE



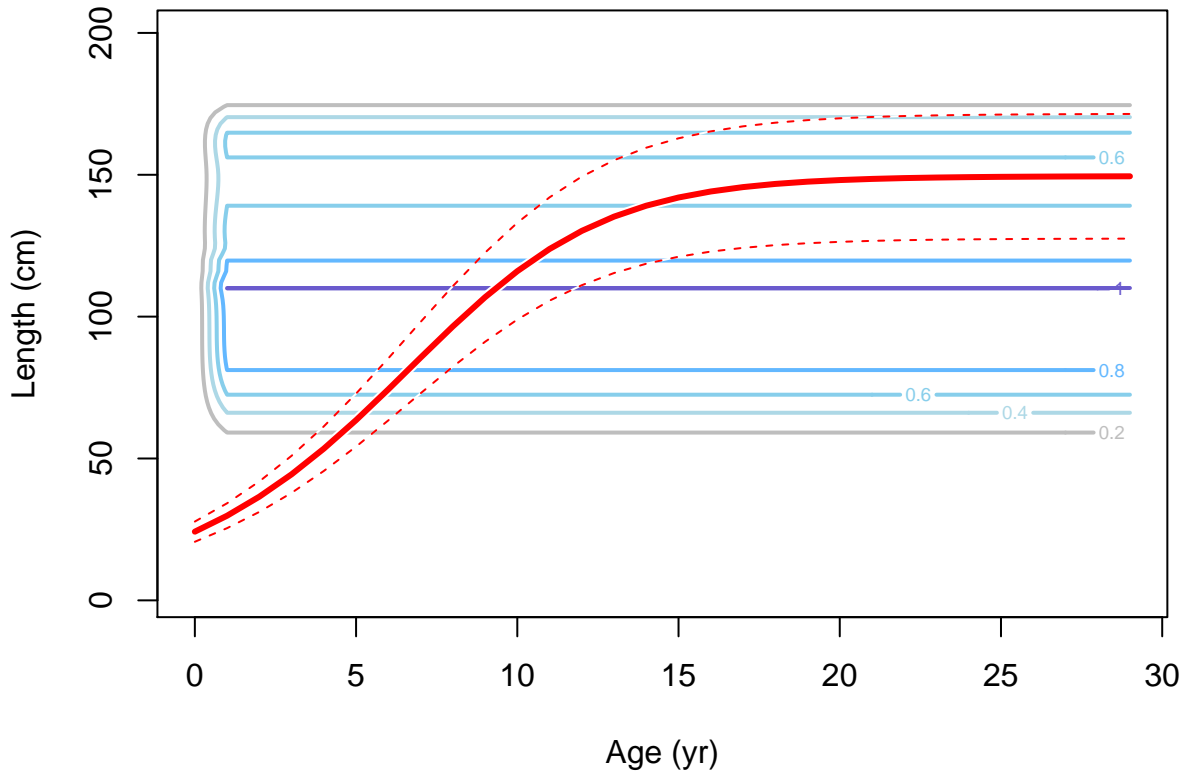
Female ending year selectivity and growth for F17-DEL_M



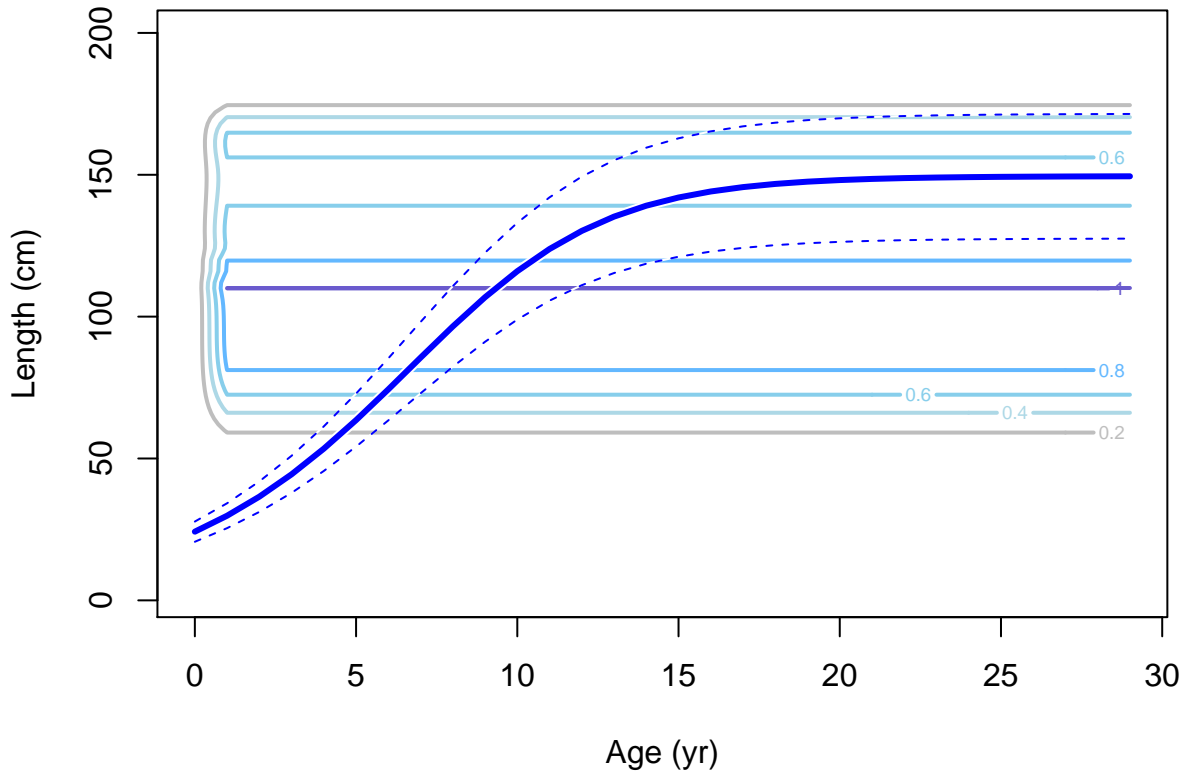
Male ending year selectivity and growth for F17-DEL_M



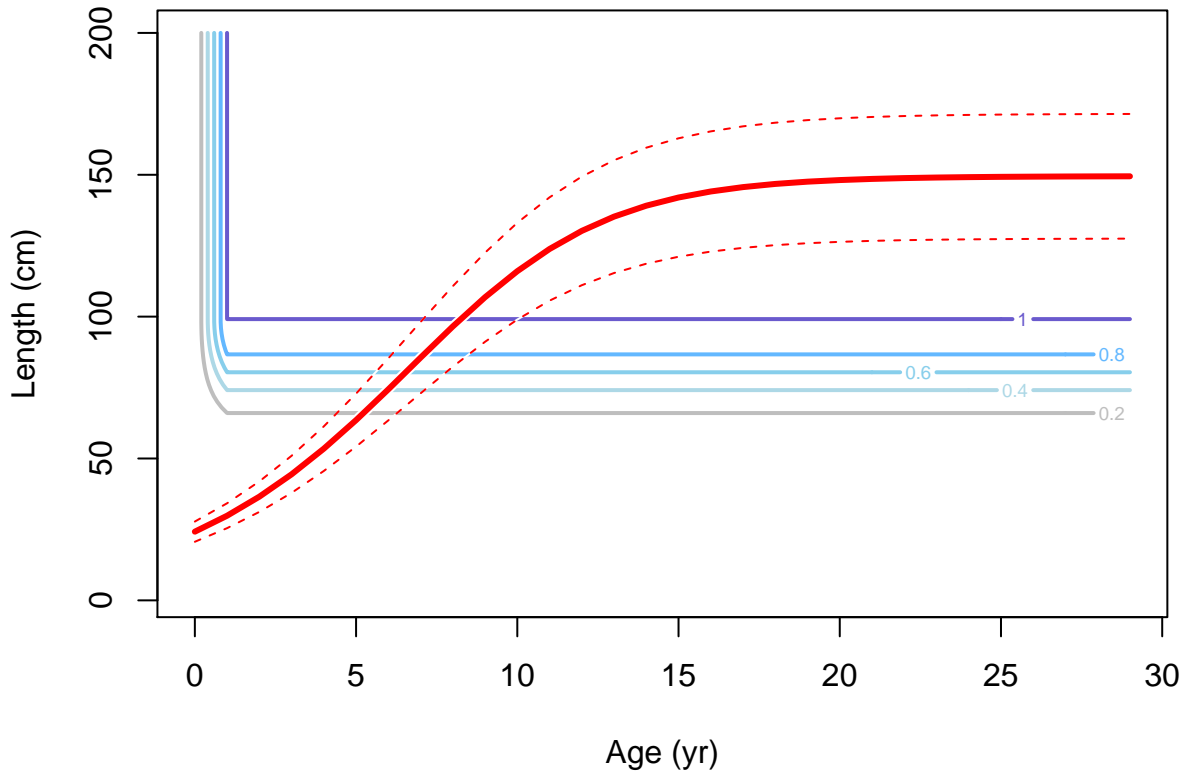
Female ending year selectivity and growth for F18-DEL_C



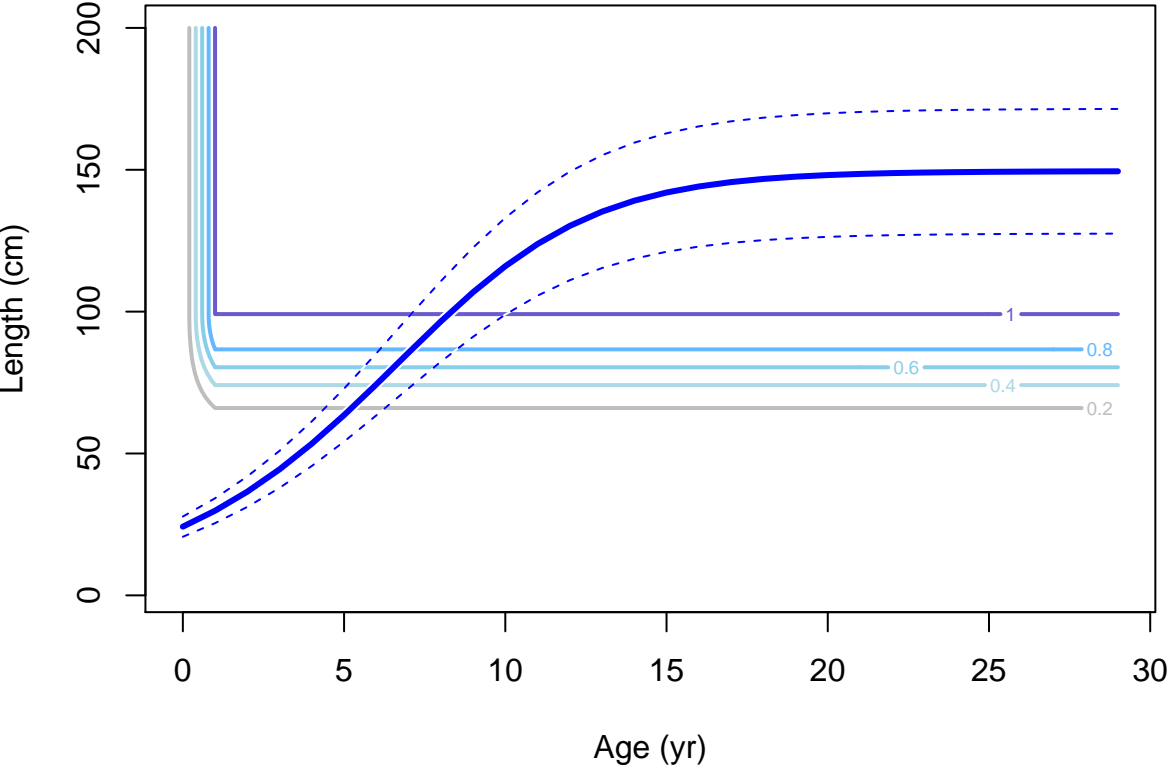
Male ending year selectivity and growth for F18-DEL_C



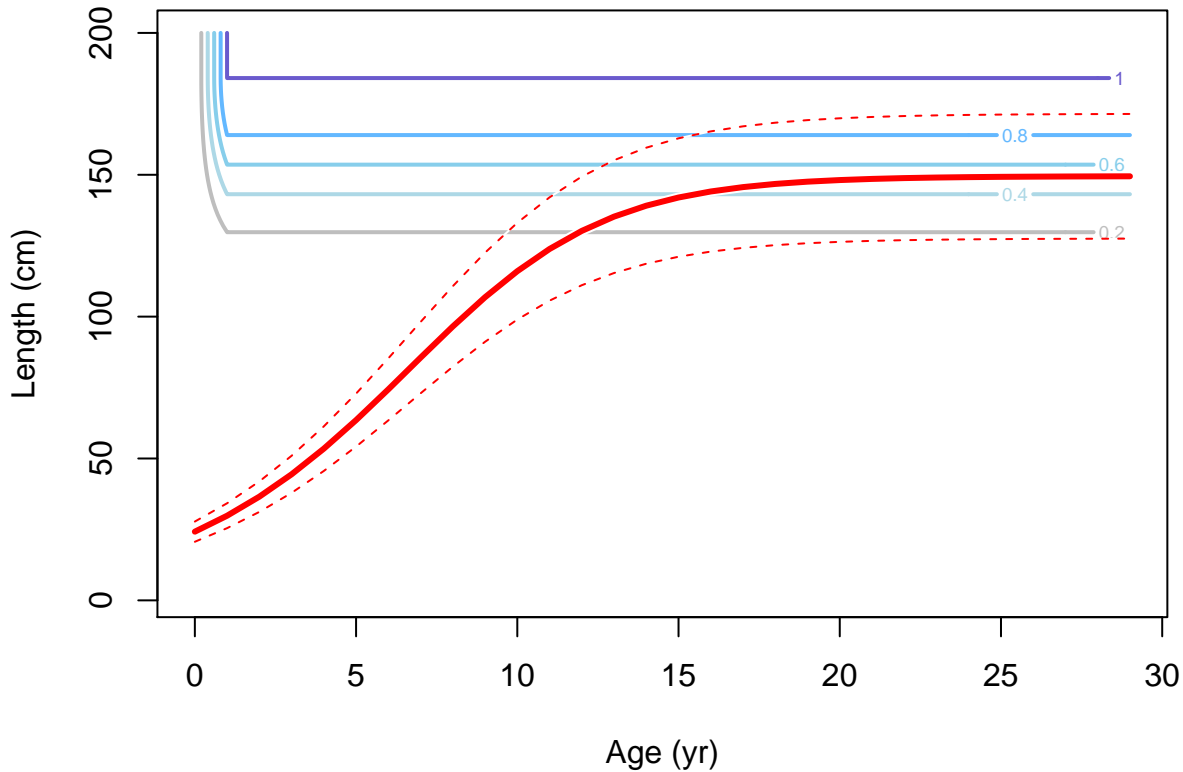
Female ending year selectivity and growth for F19-DEL_P



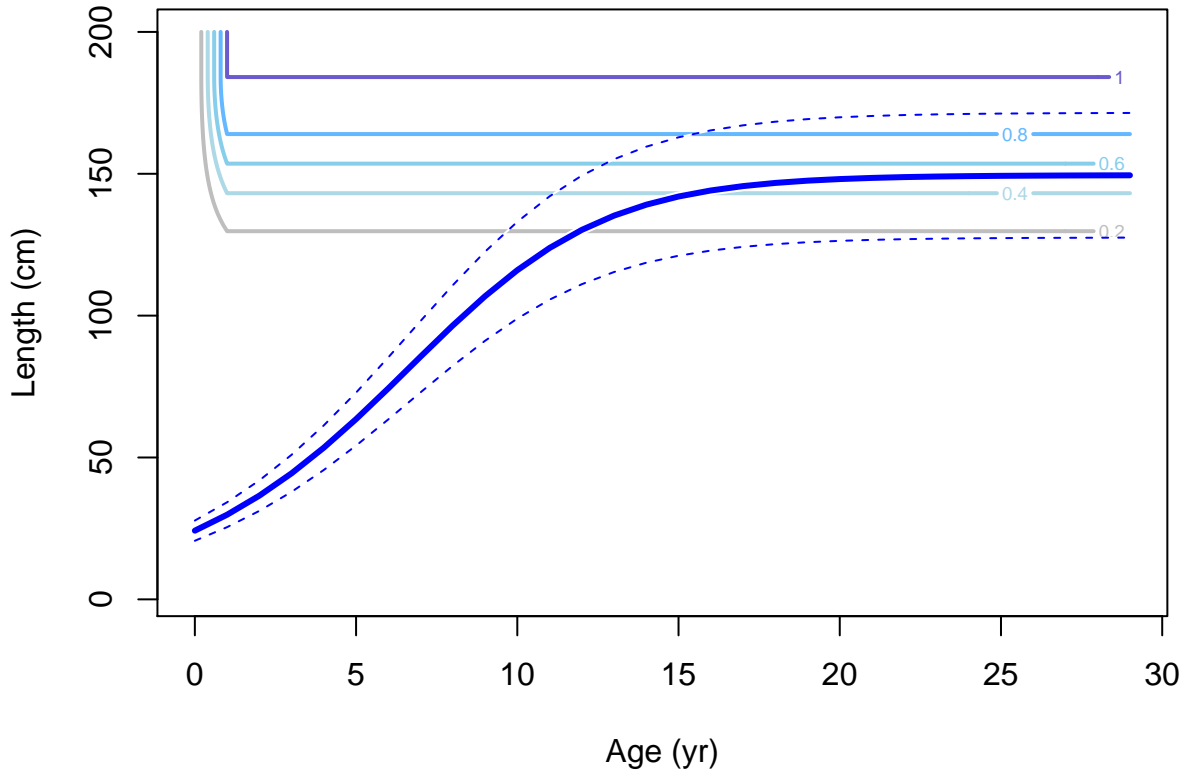
Male ending year selectivity and growth for F19-DEL_P



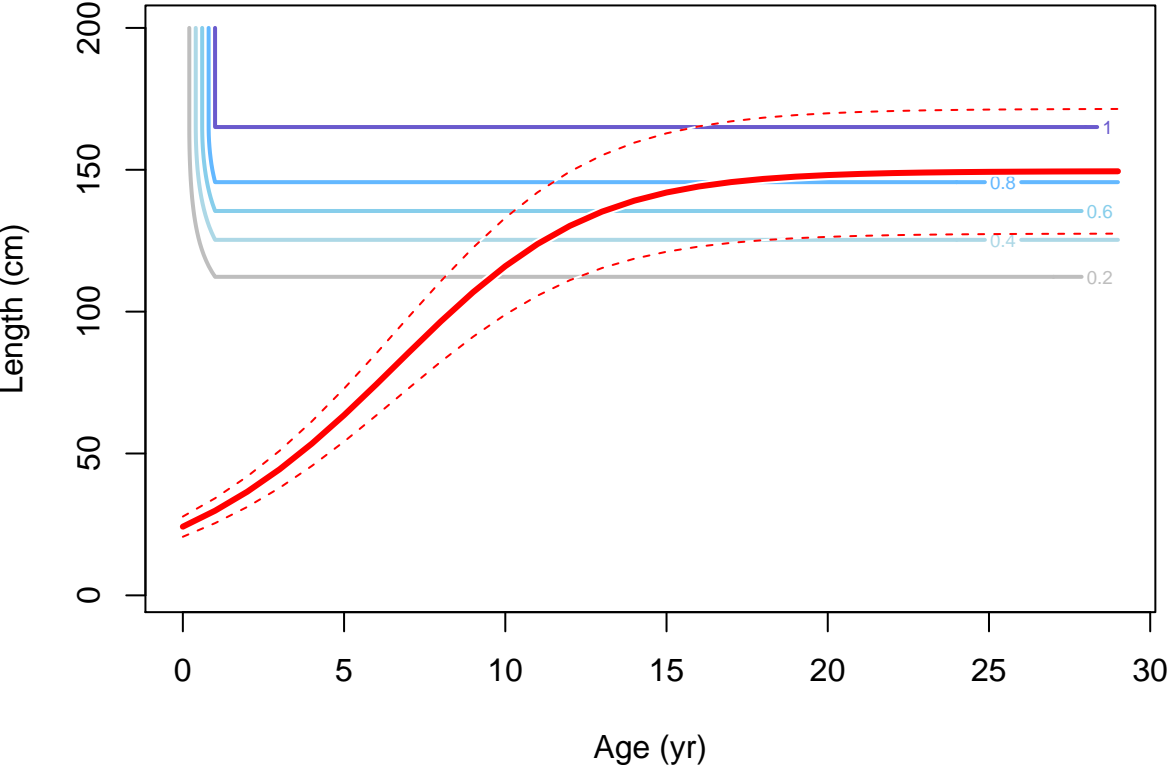
Female ending year selectivity and growth for F20-DEL_S



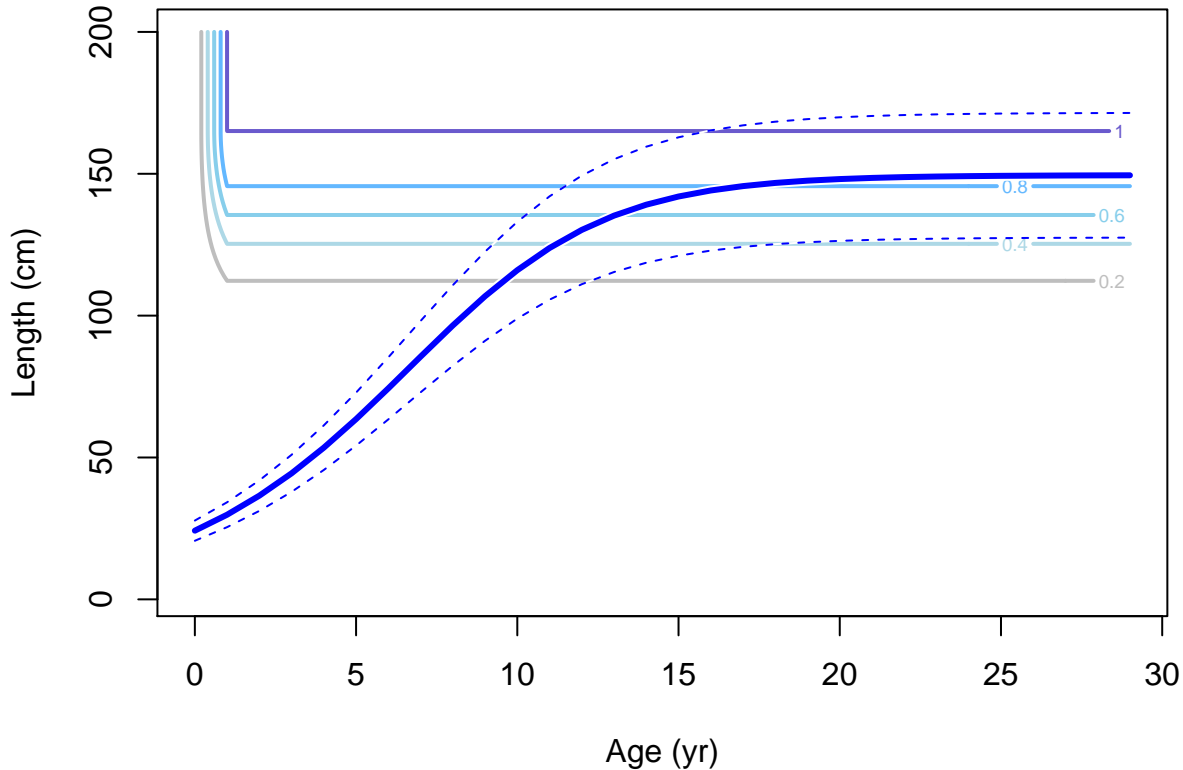
Male ending year selectivity and growth for F20-DEL_S



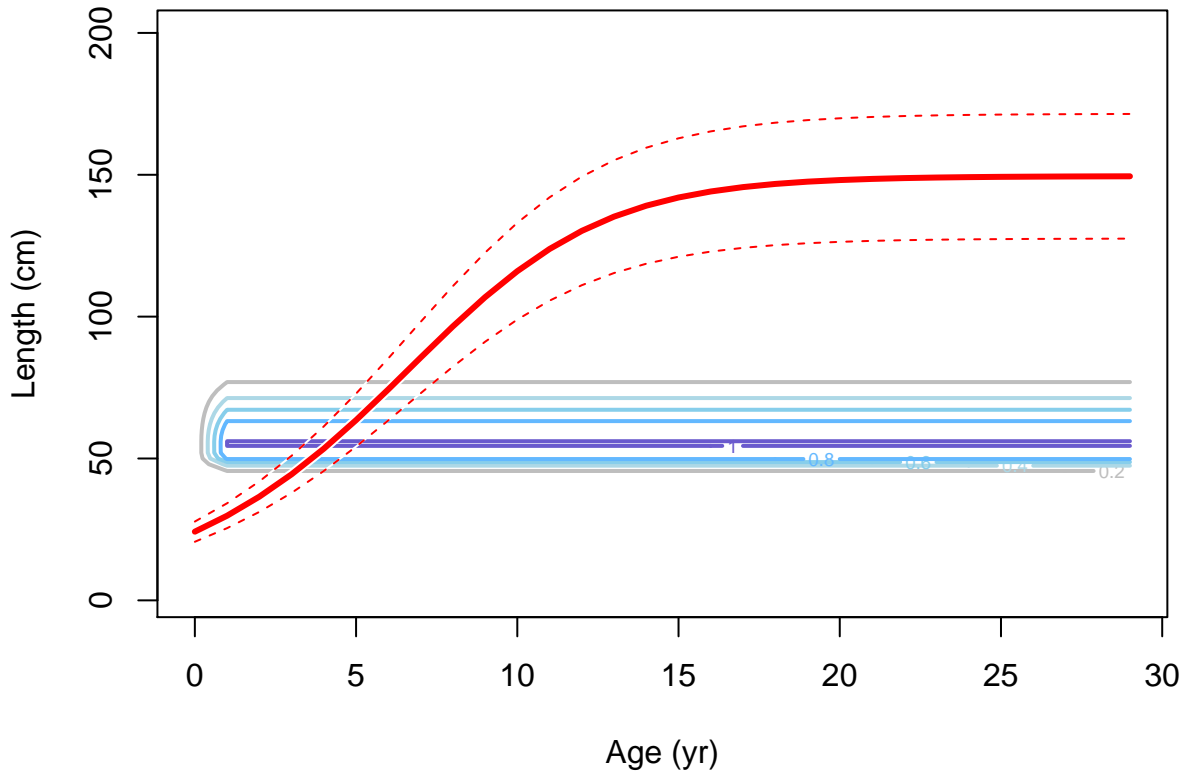
Female ending year selectivity and growth for F21-DEL_I



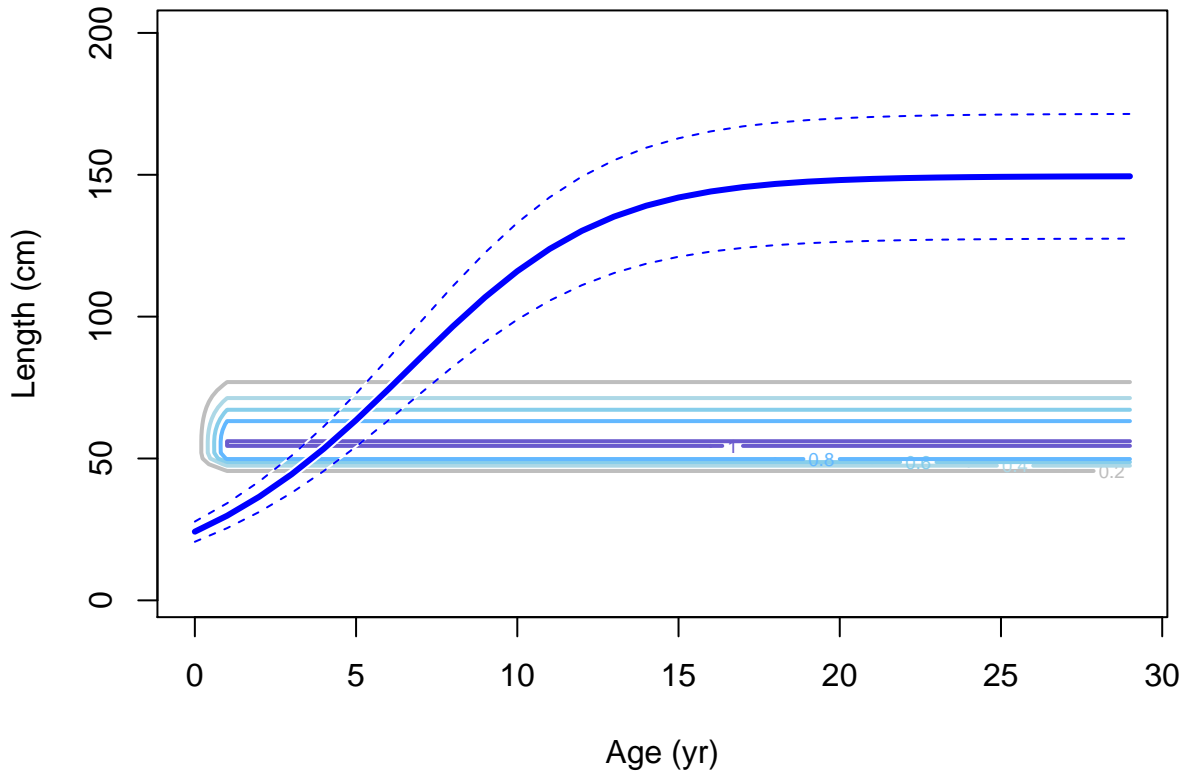
Male ending year selectivity and growth for F21-DEL_I



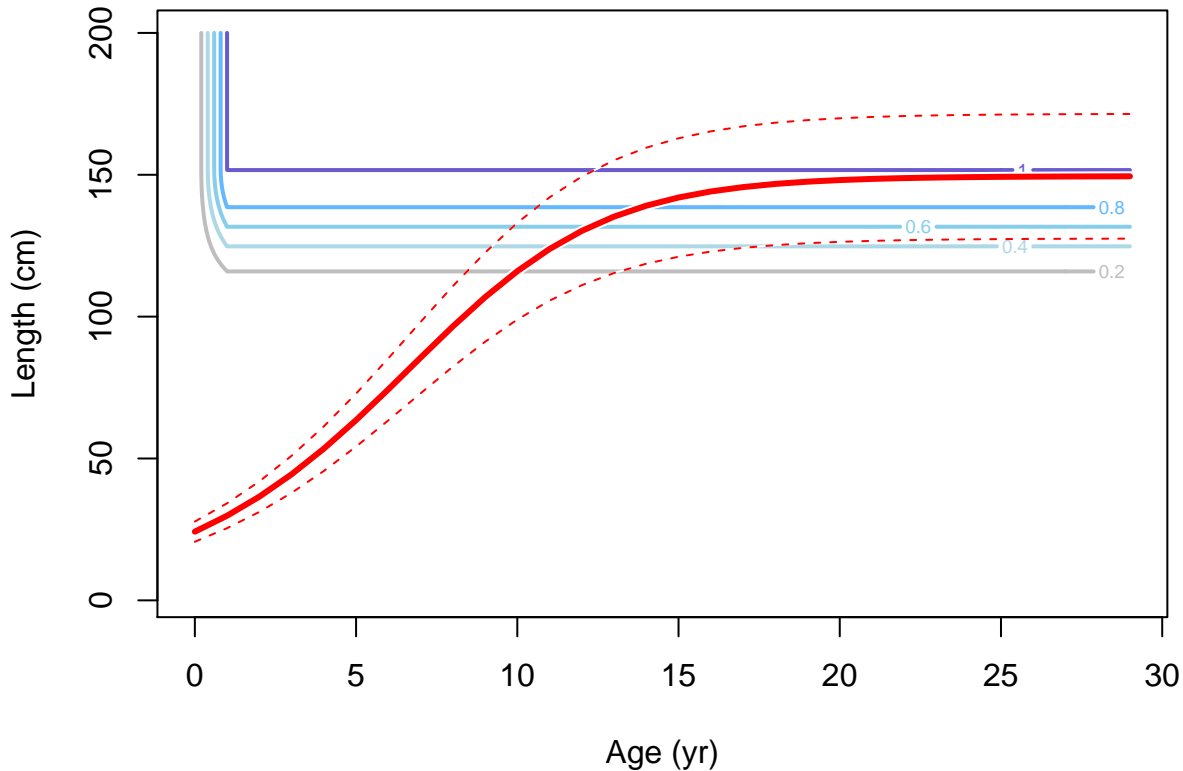
Female ending year selectivity and growth for F22-BB



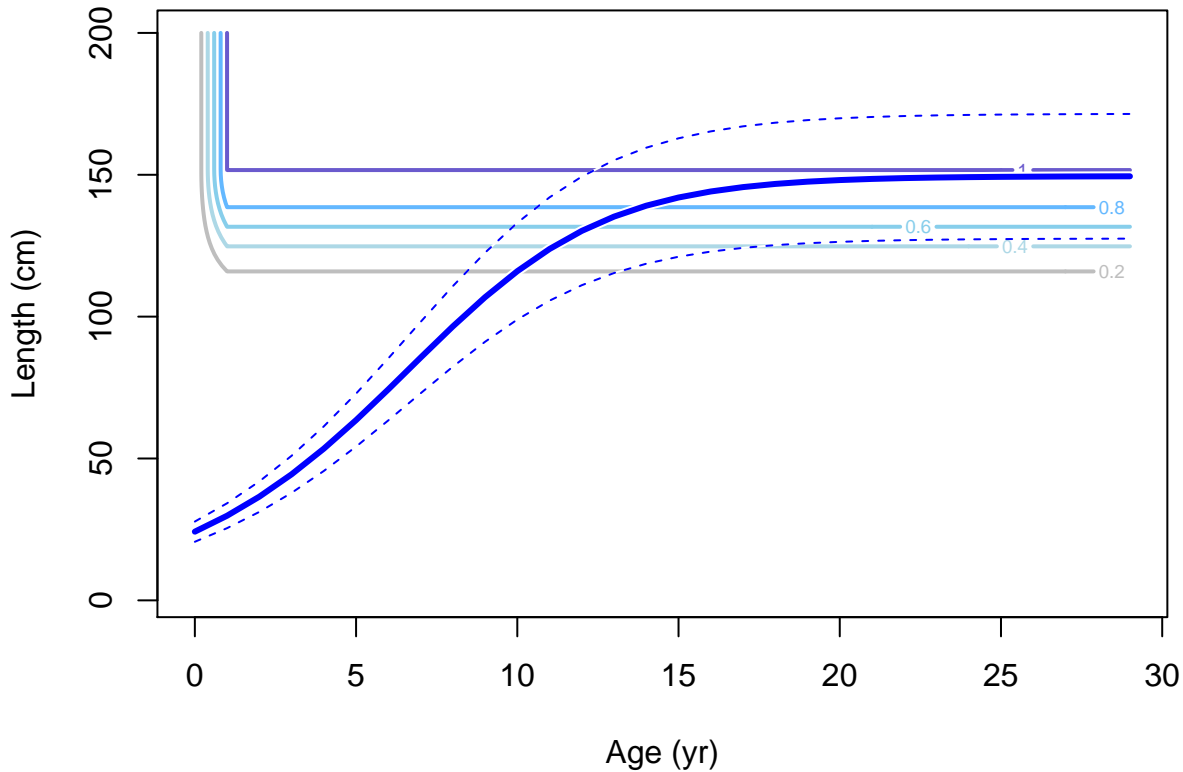
Male ending year selectivity and growth for F22-BB



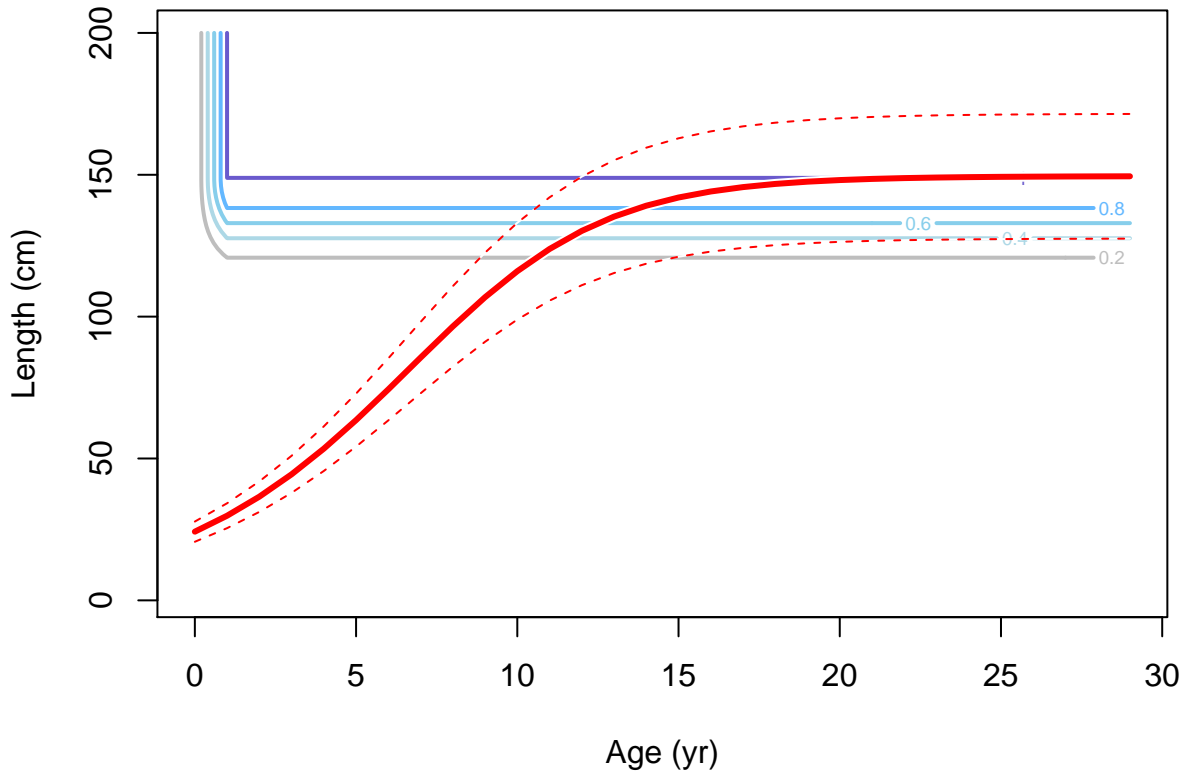
Female ending year selectivity and growth for F29-LL_W_Q14n



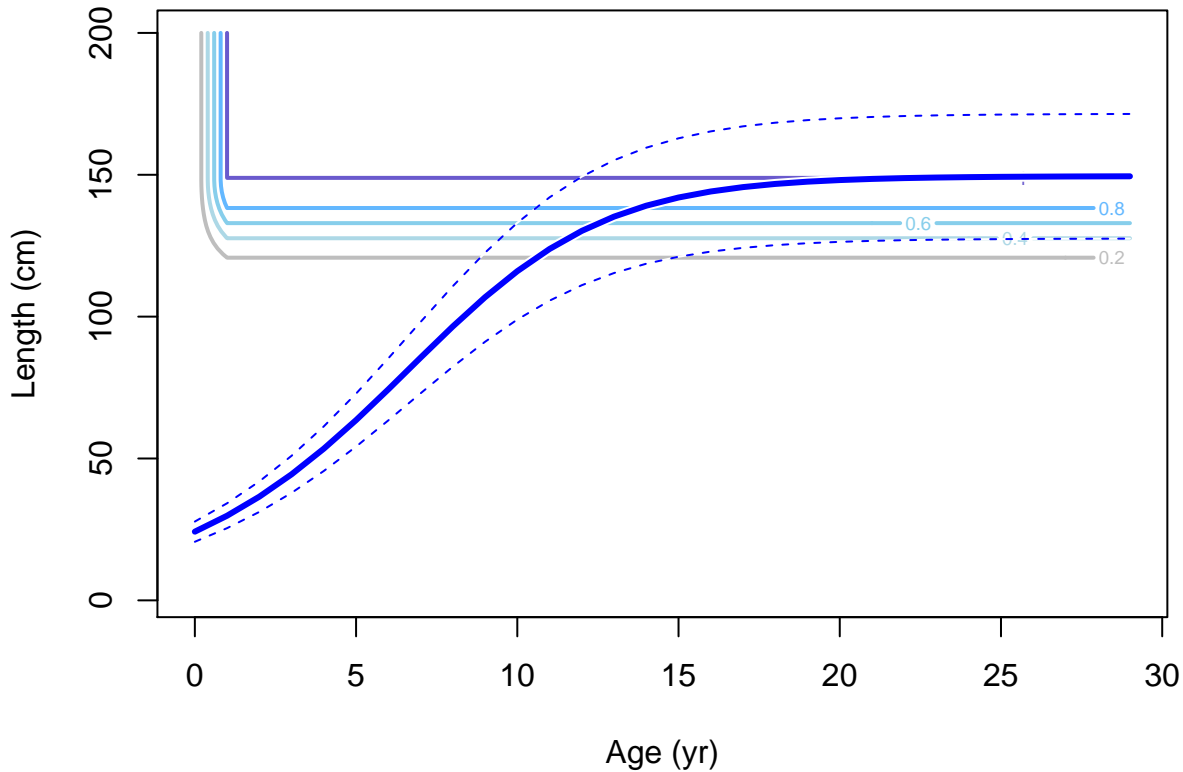
Male ending year selectivity and growth for F29-LL_W_Q14n



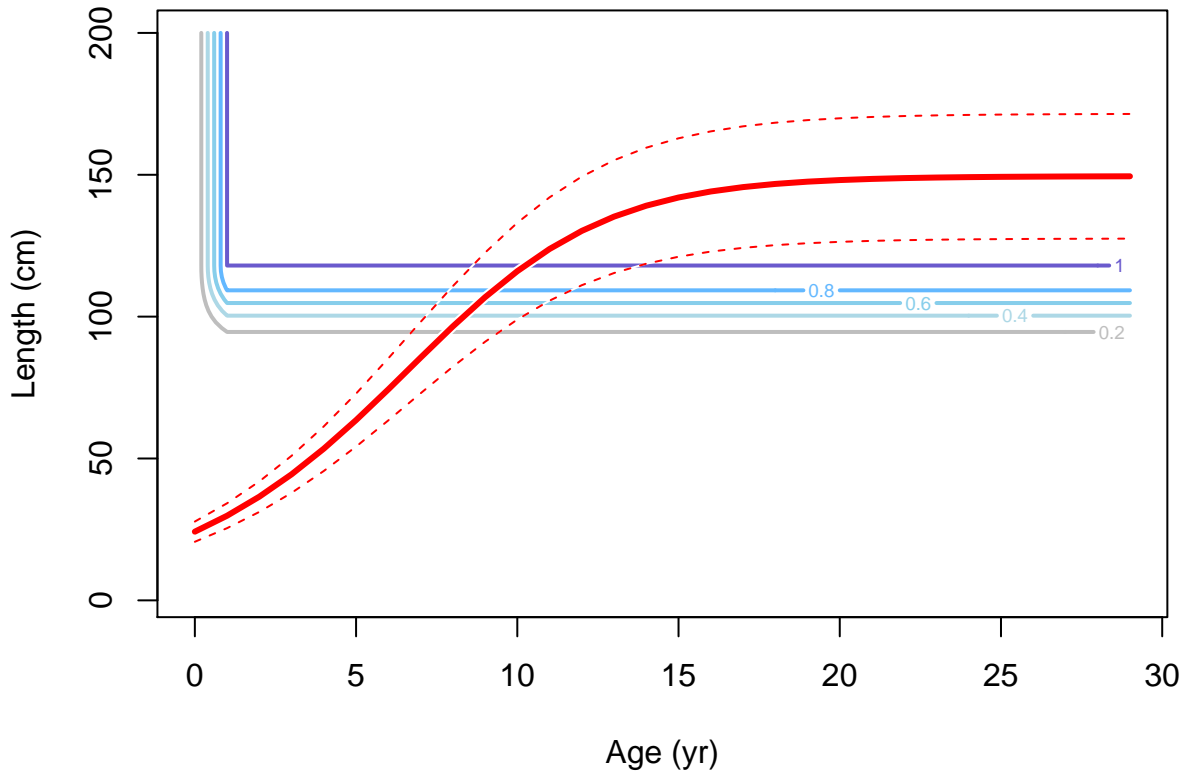
Female ending year selectivity and growth for F30-LL_C_Q14n



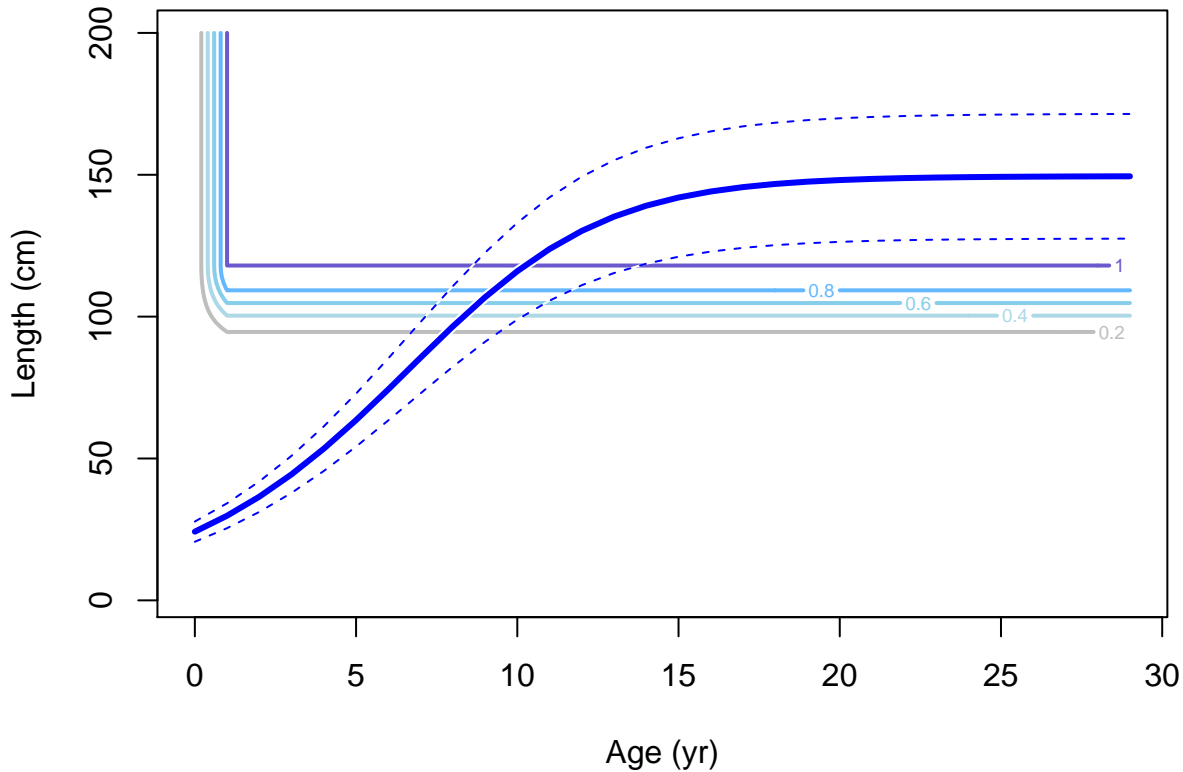
Male ending year selectivity and growth for F30-LL_C_Q14n



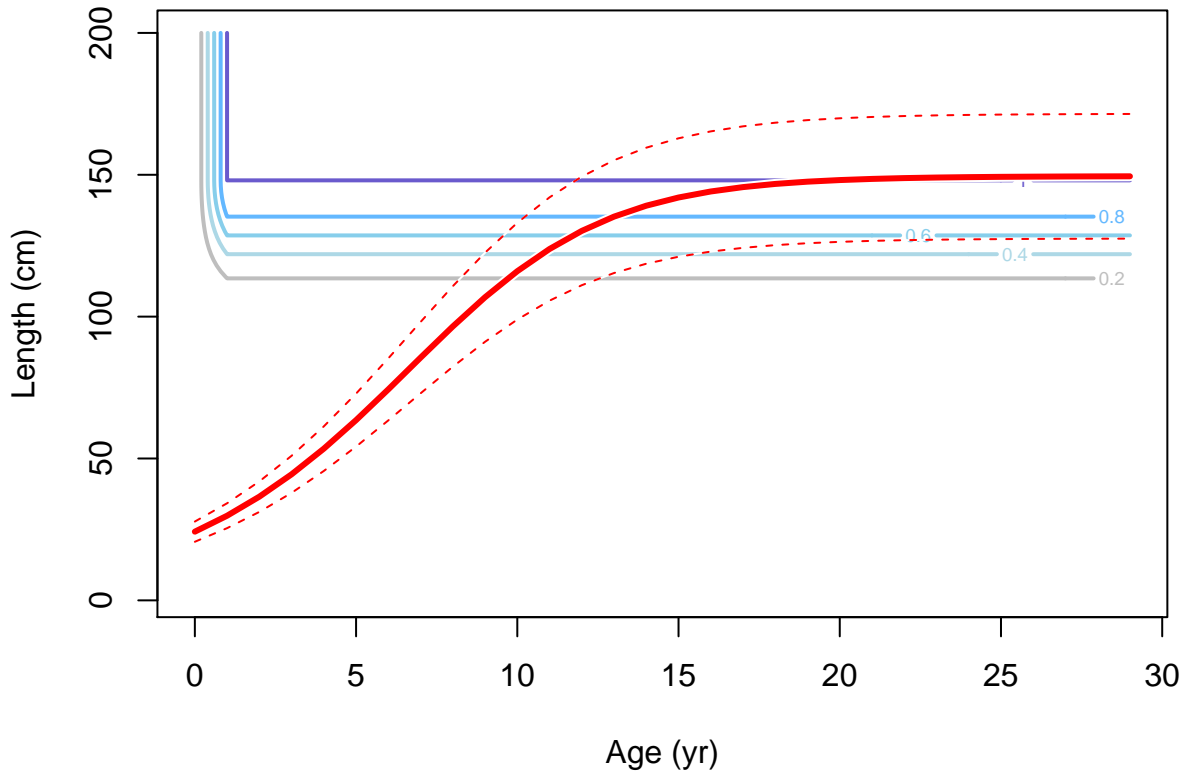
Female ending year selectivity and growth for F31-LL_E_Q14n



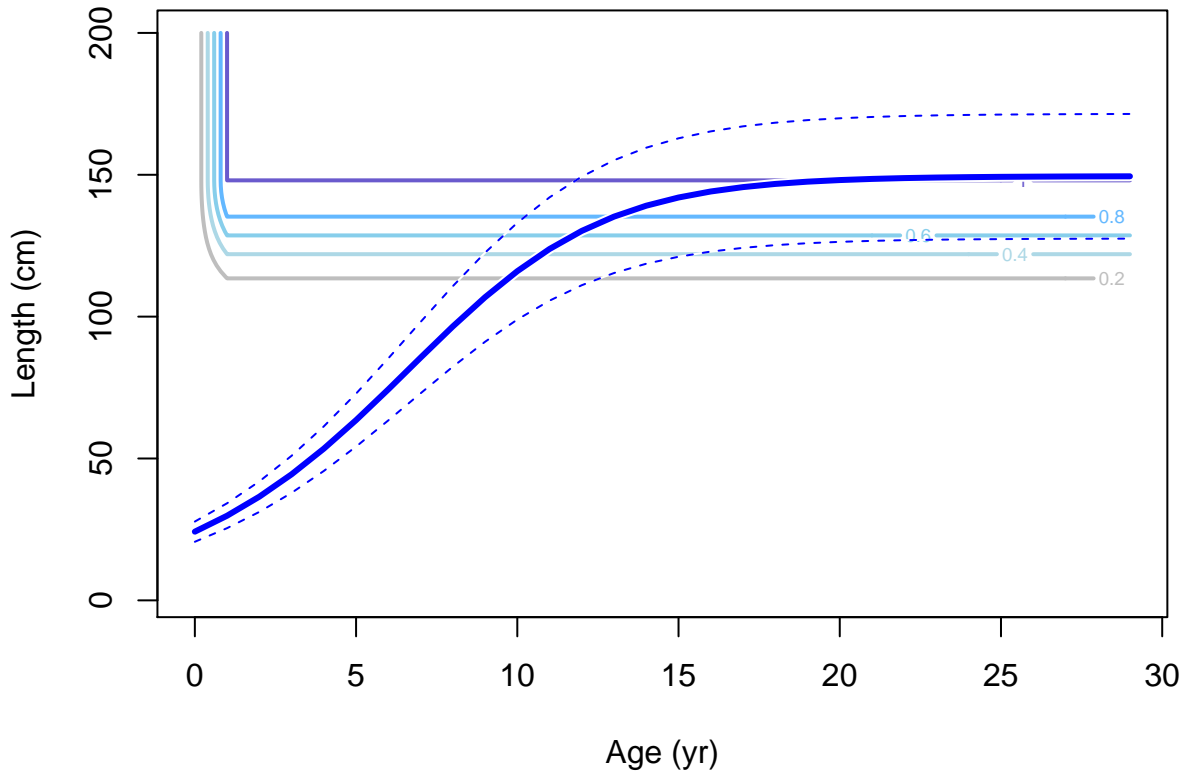
Male ending year selectivity and growth for F31-LL_E_Q14n



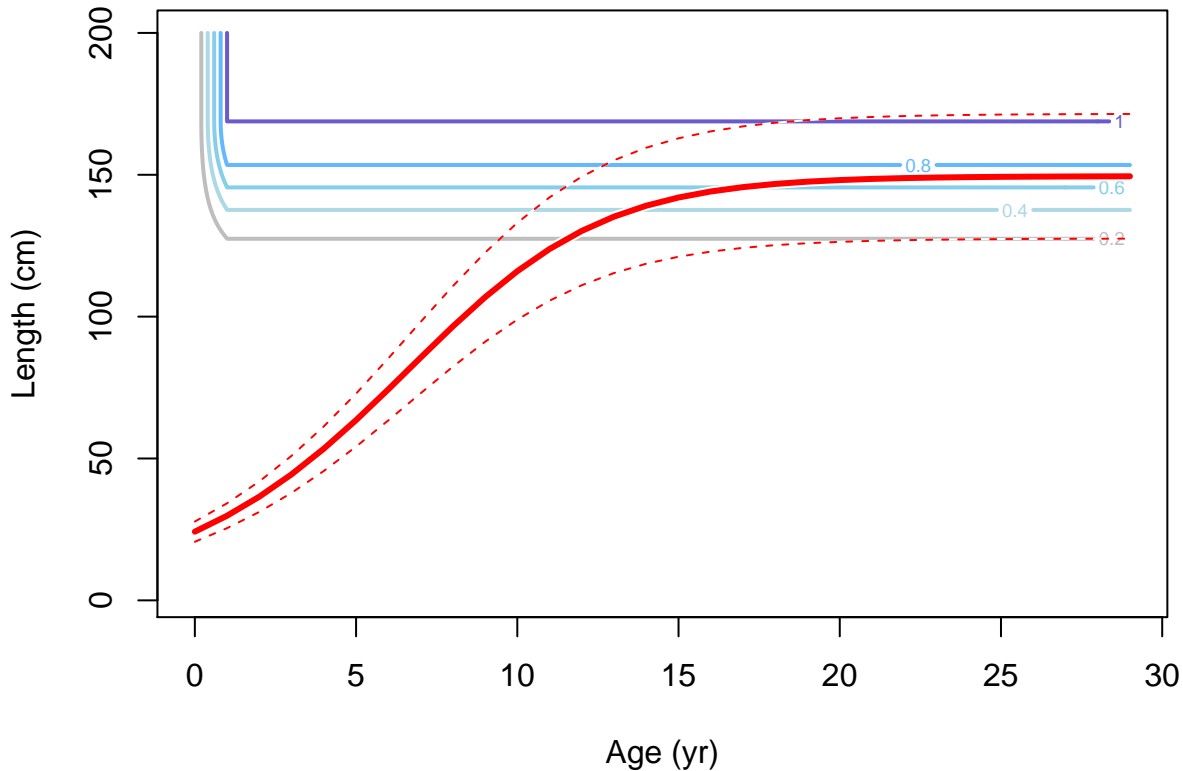
Female ending year selectivity and growth for F32-LL_W_Q23n



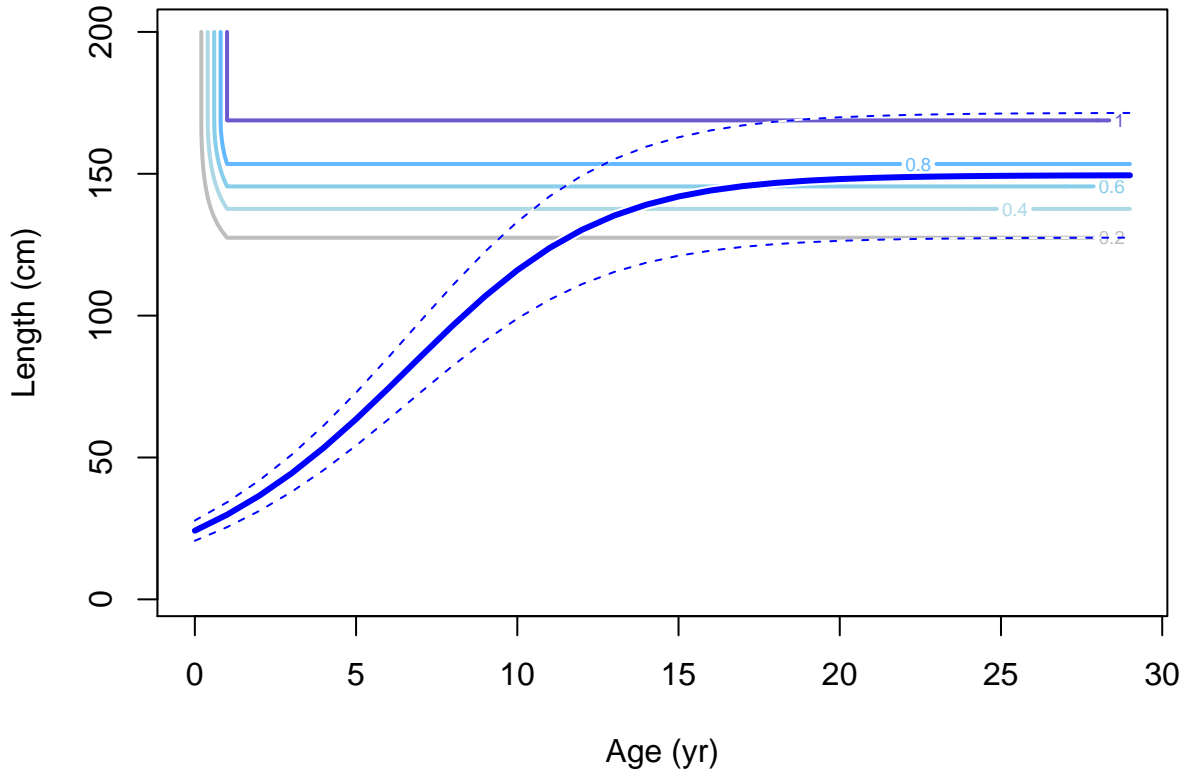
Male ending year selectivity and growth for F32-LL_W_Q23n



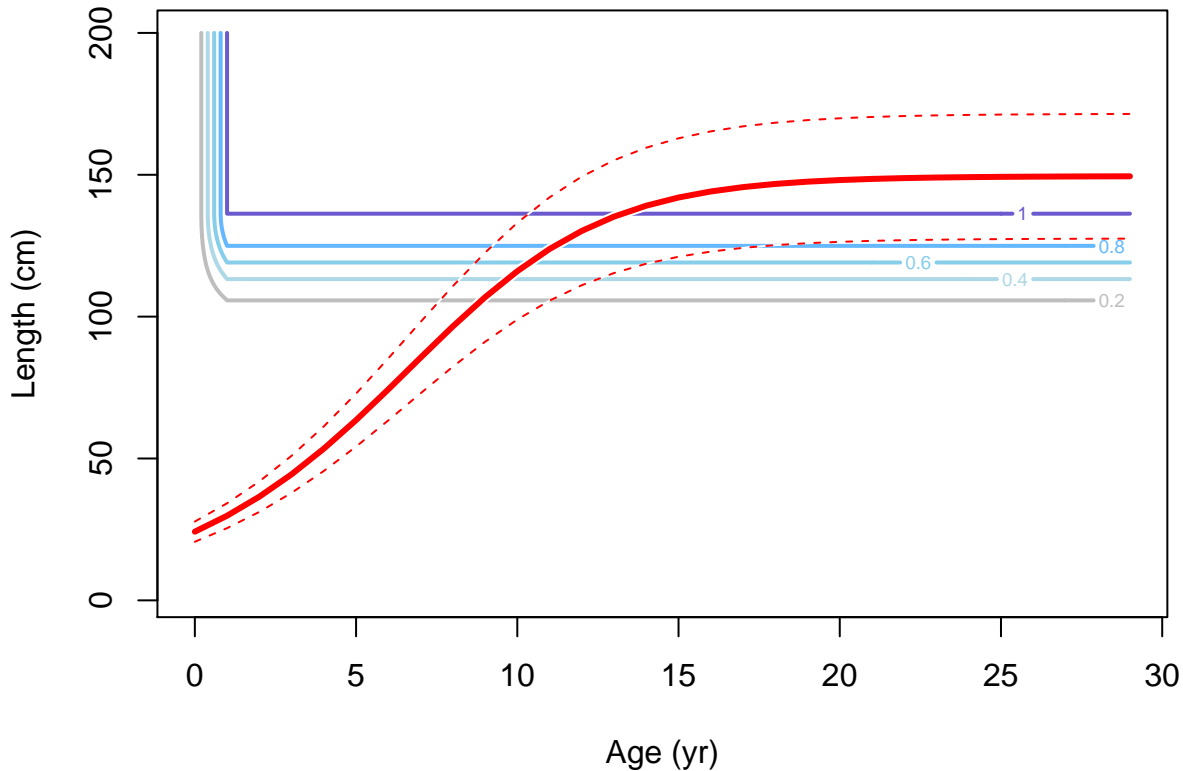
Female ending year selectivity and growth for F33-LL_C_Q23n



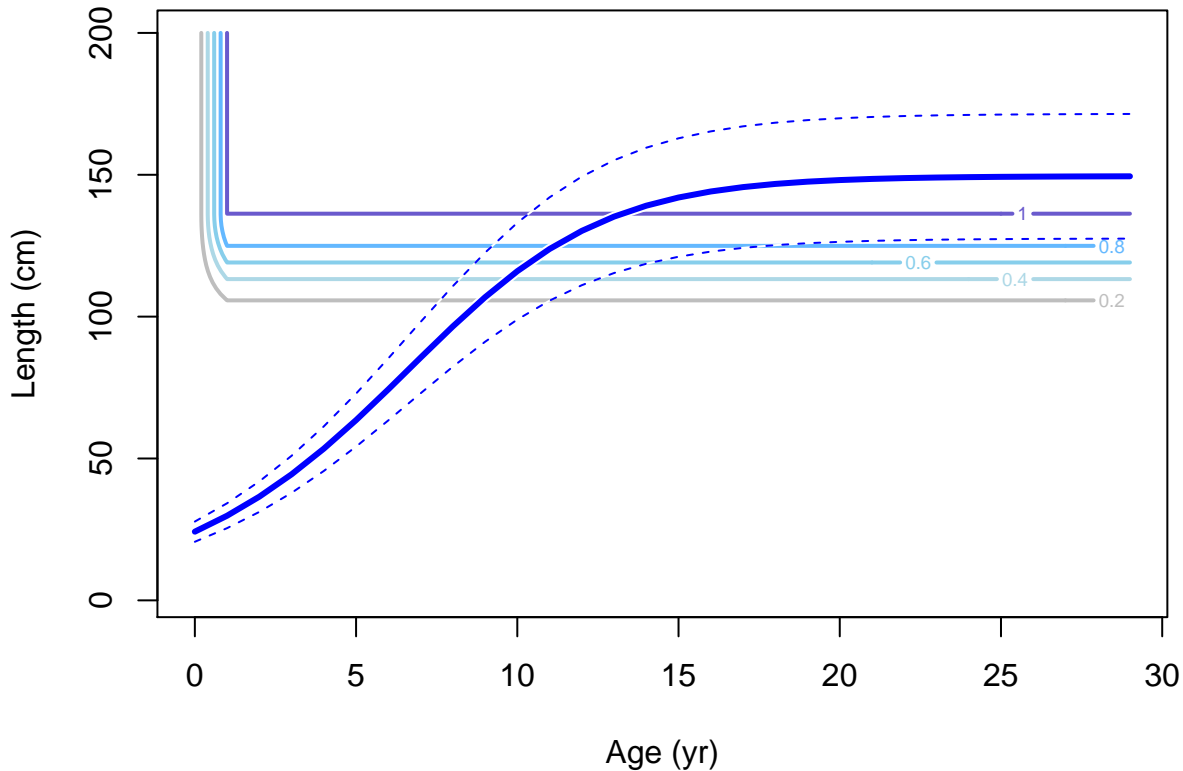
Male ending year selectivity and growth for F33-LL_C_Q23n



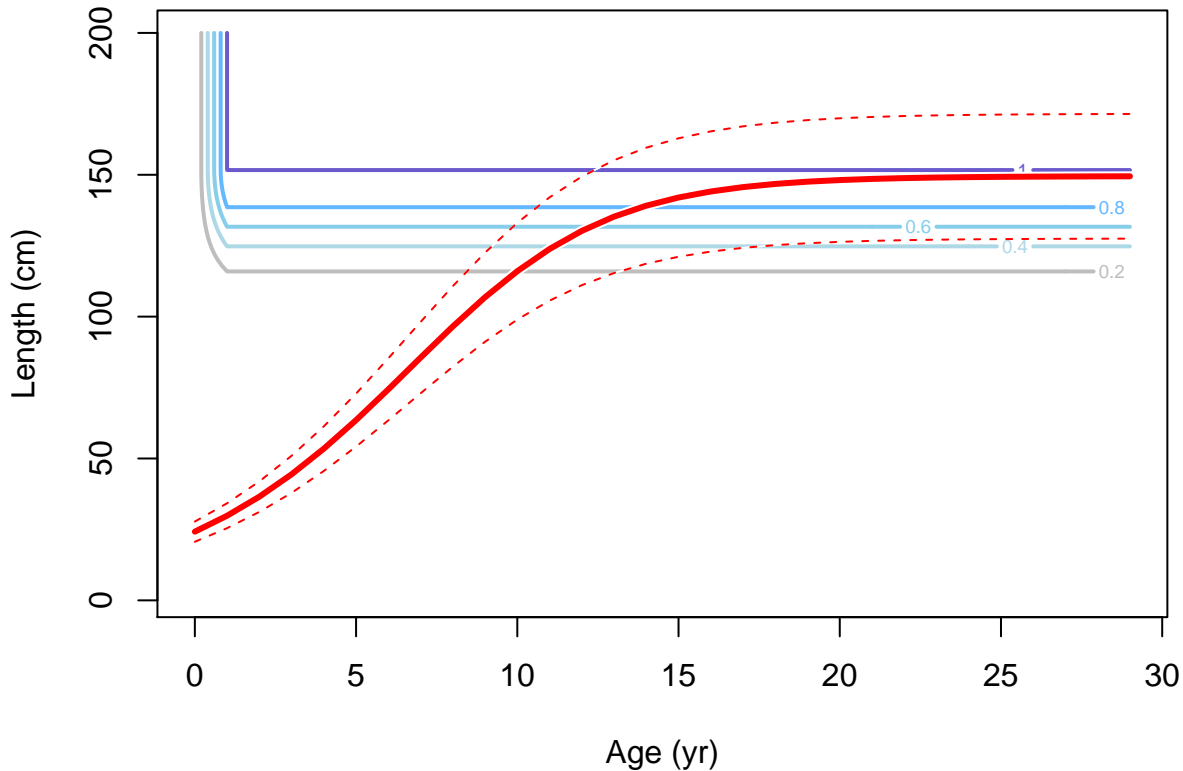
Female ending year selectivity and growth for F34-LL_E_Q23n



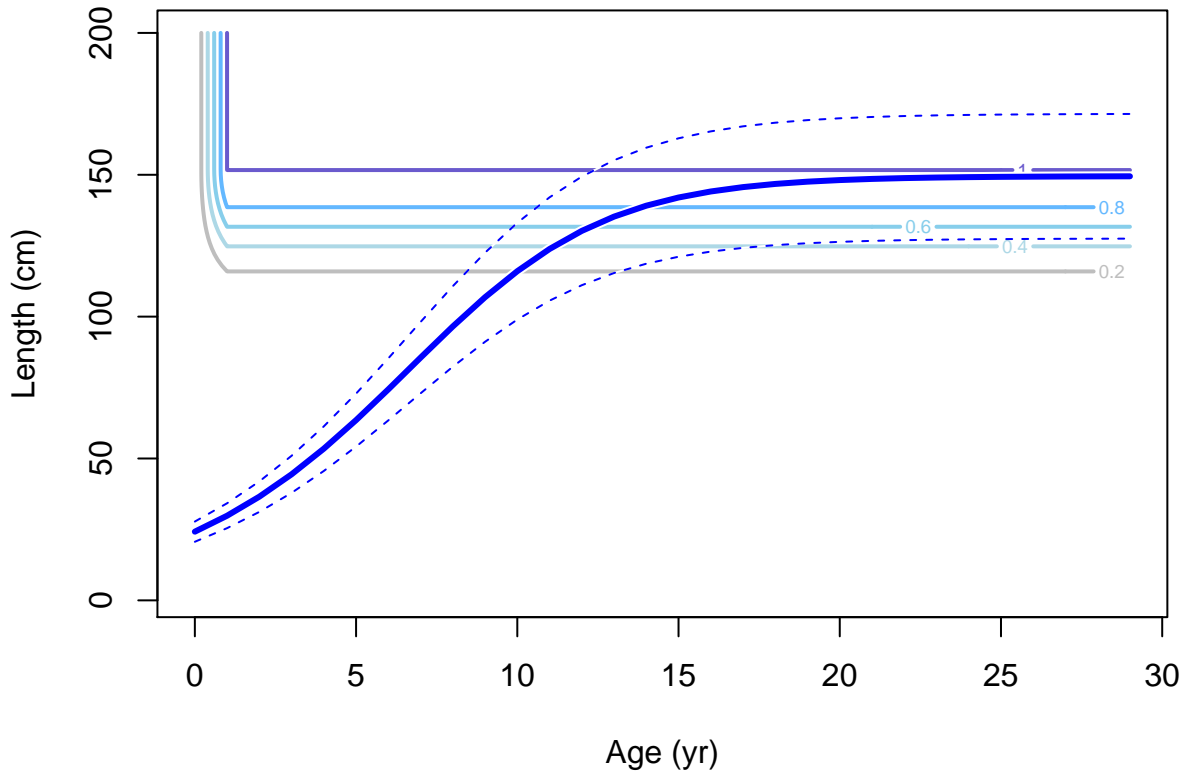
Male ending year selectivity and growth for F34-LL_E_Q23n



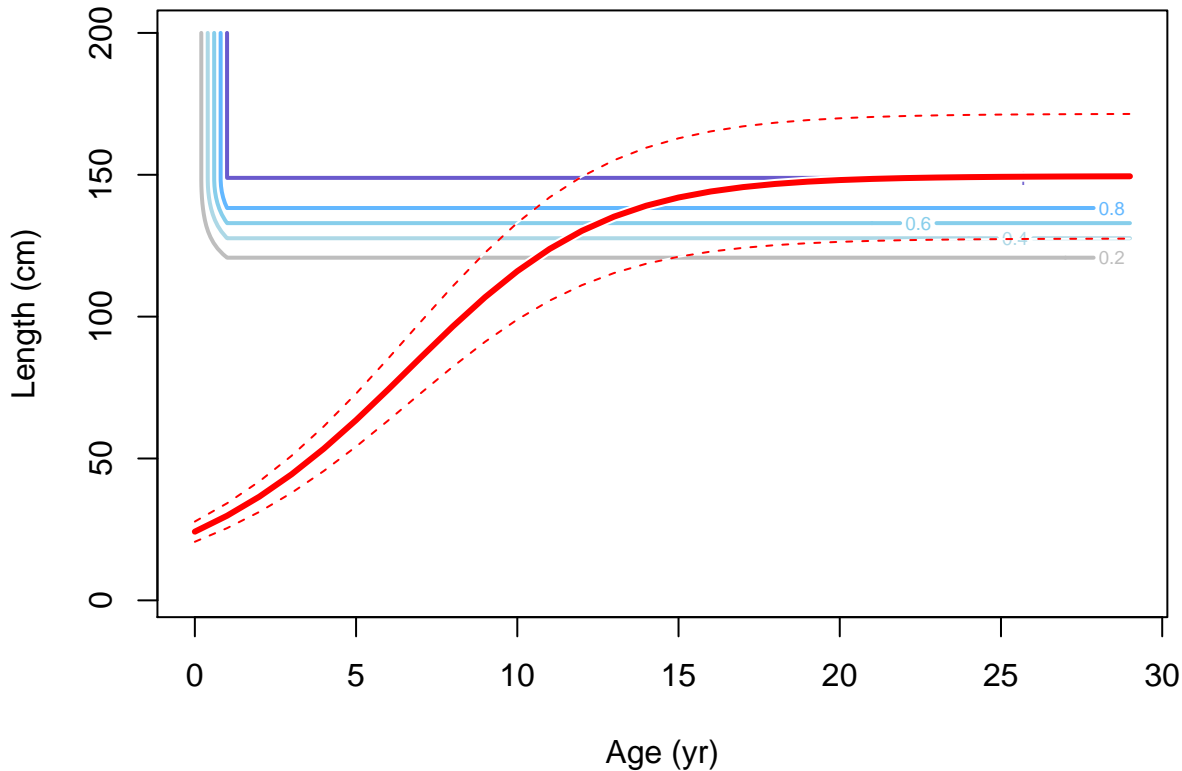
Female ending year selectivity and growth for F35-LL_W_Q14w



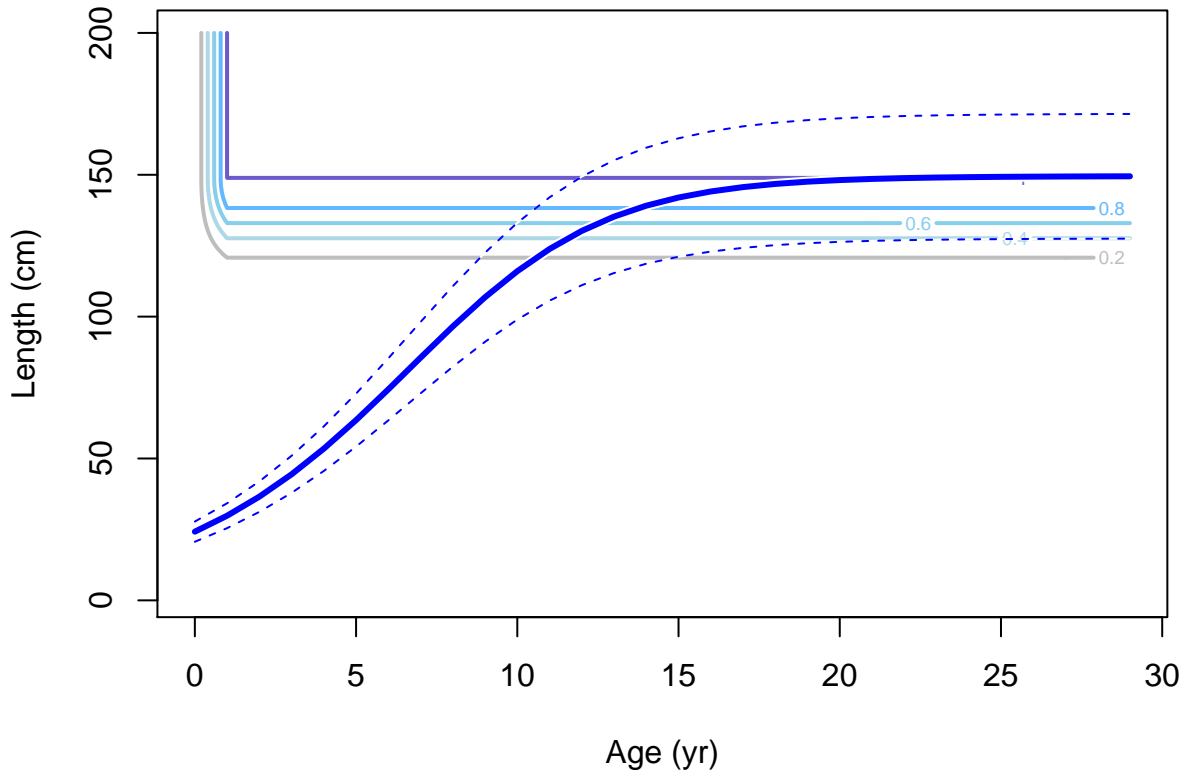
Male ending year selectivity and growth for F35-LL_W_Q14w



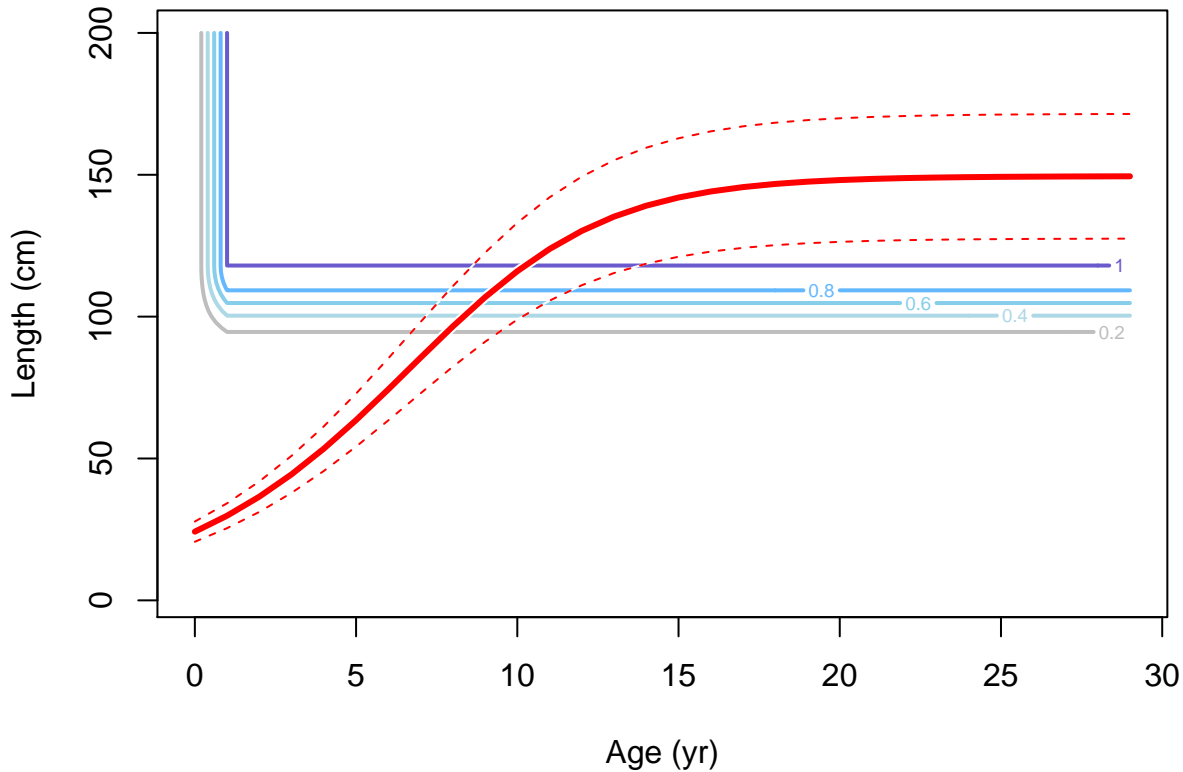
Female ending year selectivity and growth for F36-LL_C_Q14w



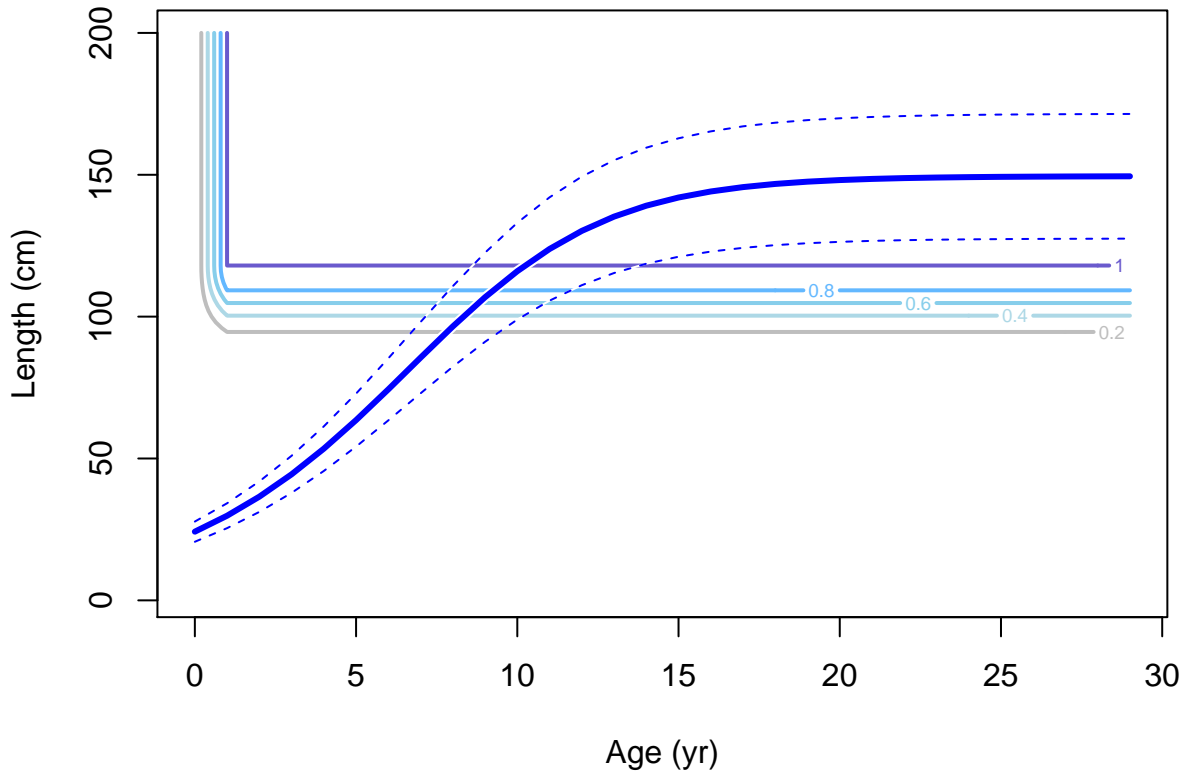
Male ending year selectivity and growth for F36-LL_C_Q14w



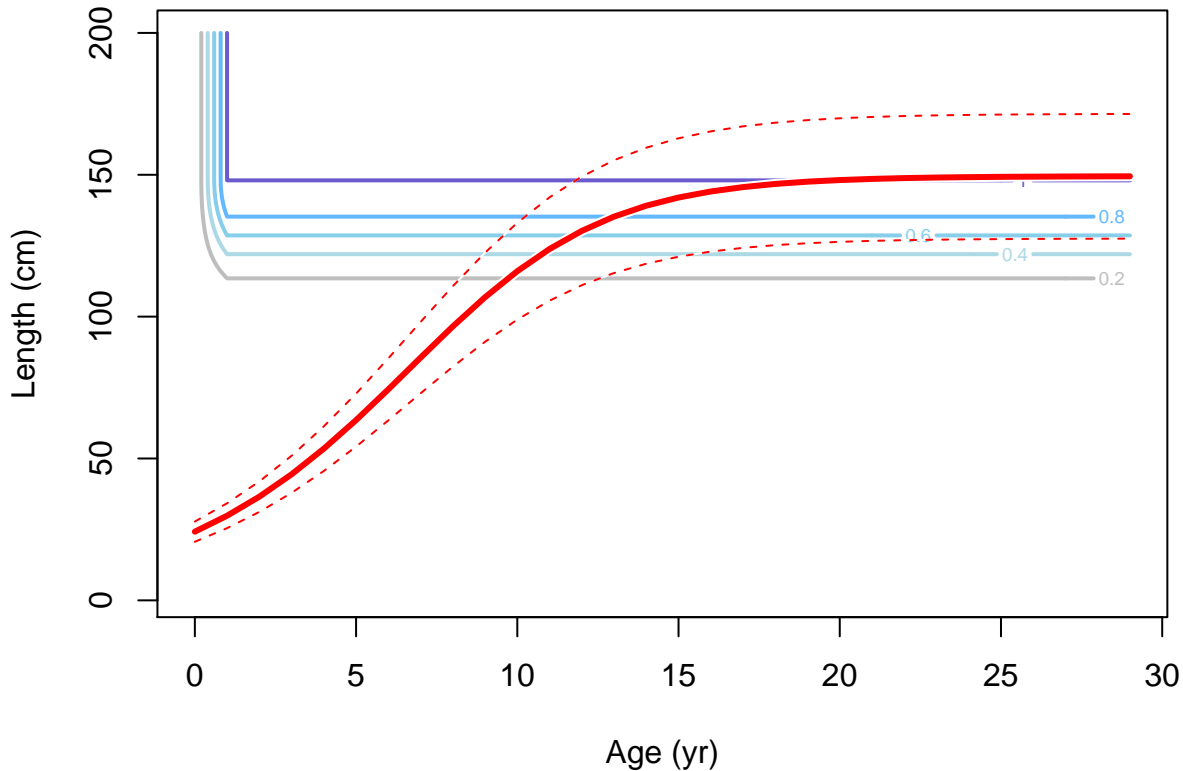
Female ending year selectivity and growth for F37-LL_E_Q14w



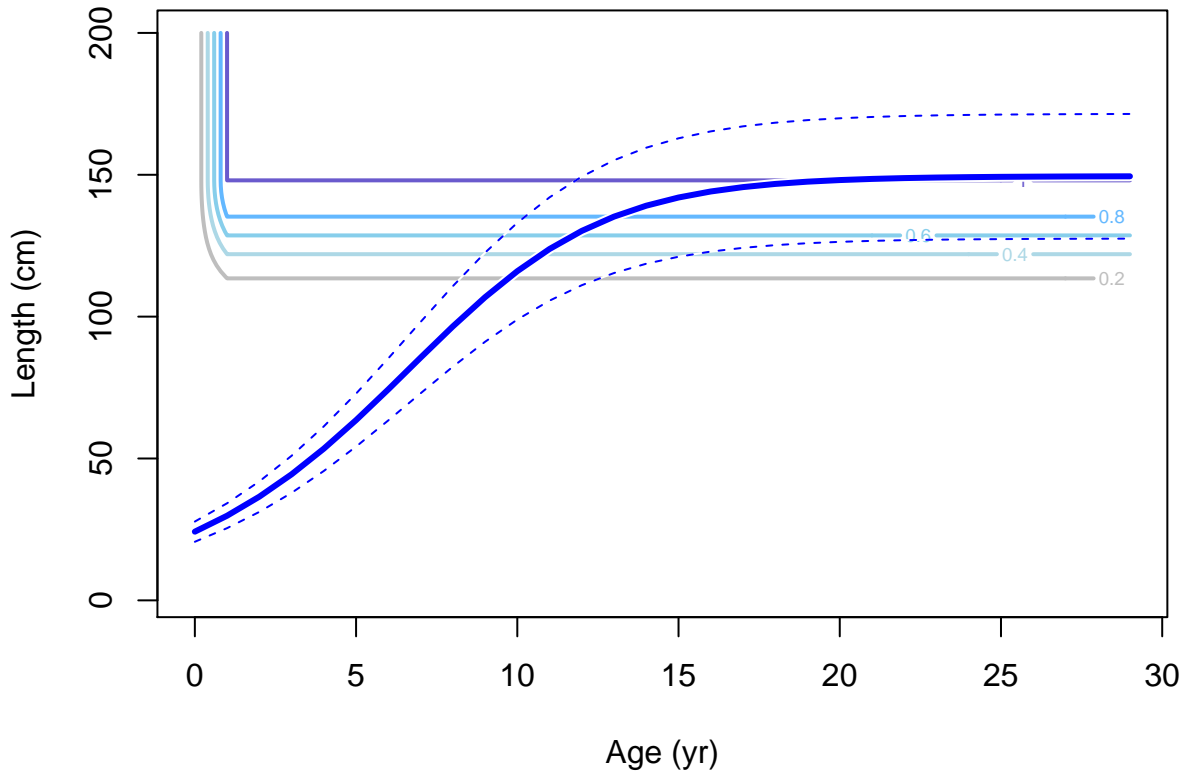
Male ending year selectivity and growth for F37-LL_E_Q14w



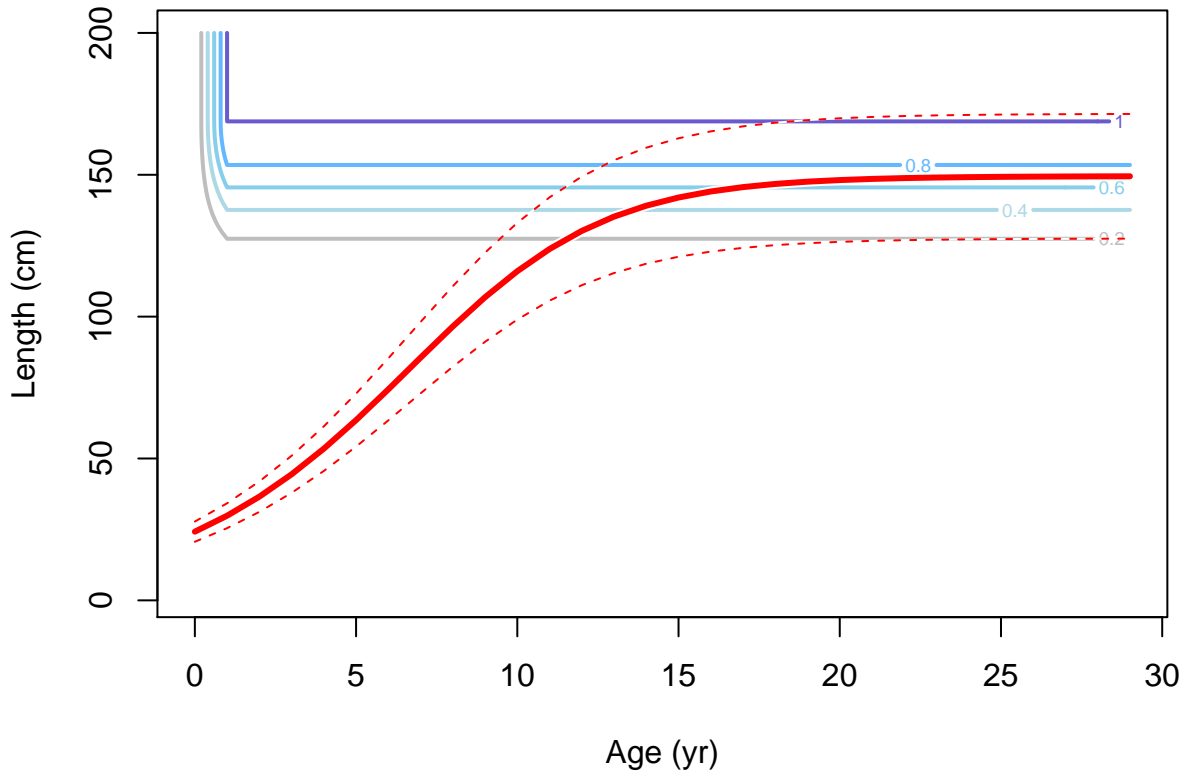
Female ending year selectivity and growth for F38-LL_W_Q23w



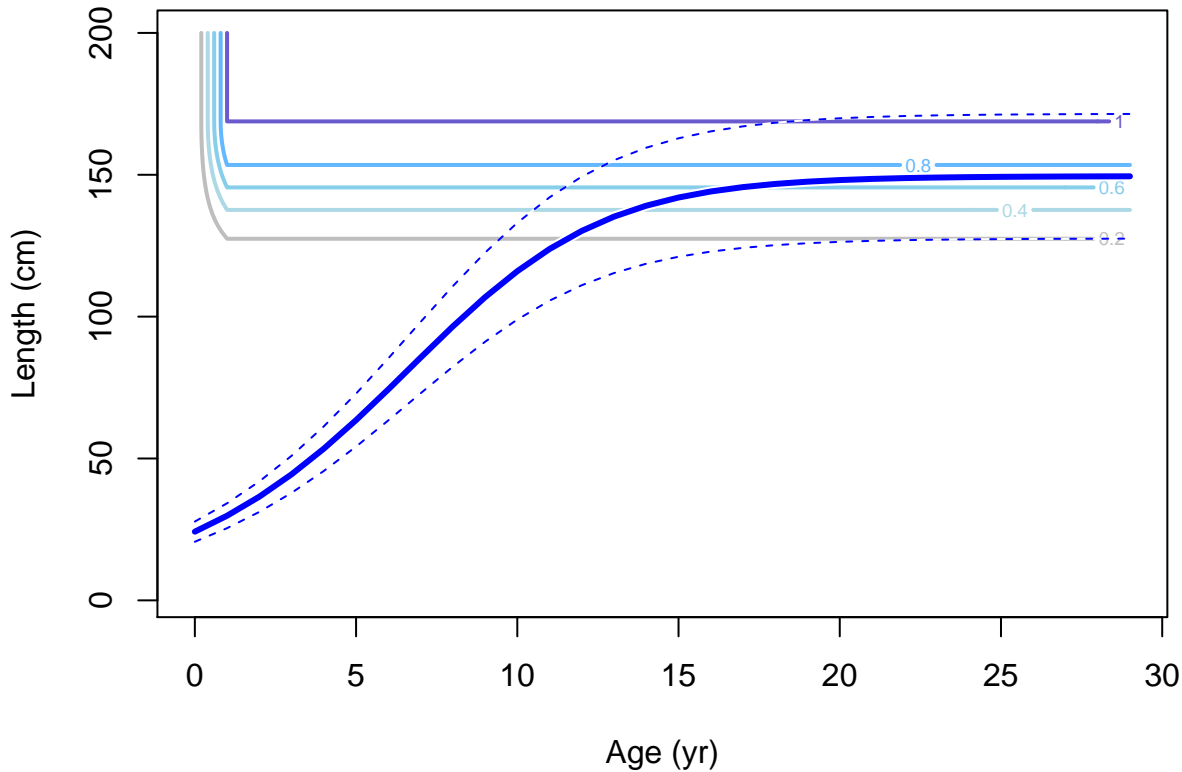
Male ending year selectivity and growth for F38-LL_W_Q23w



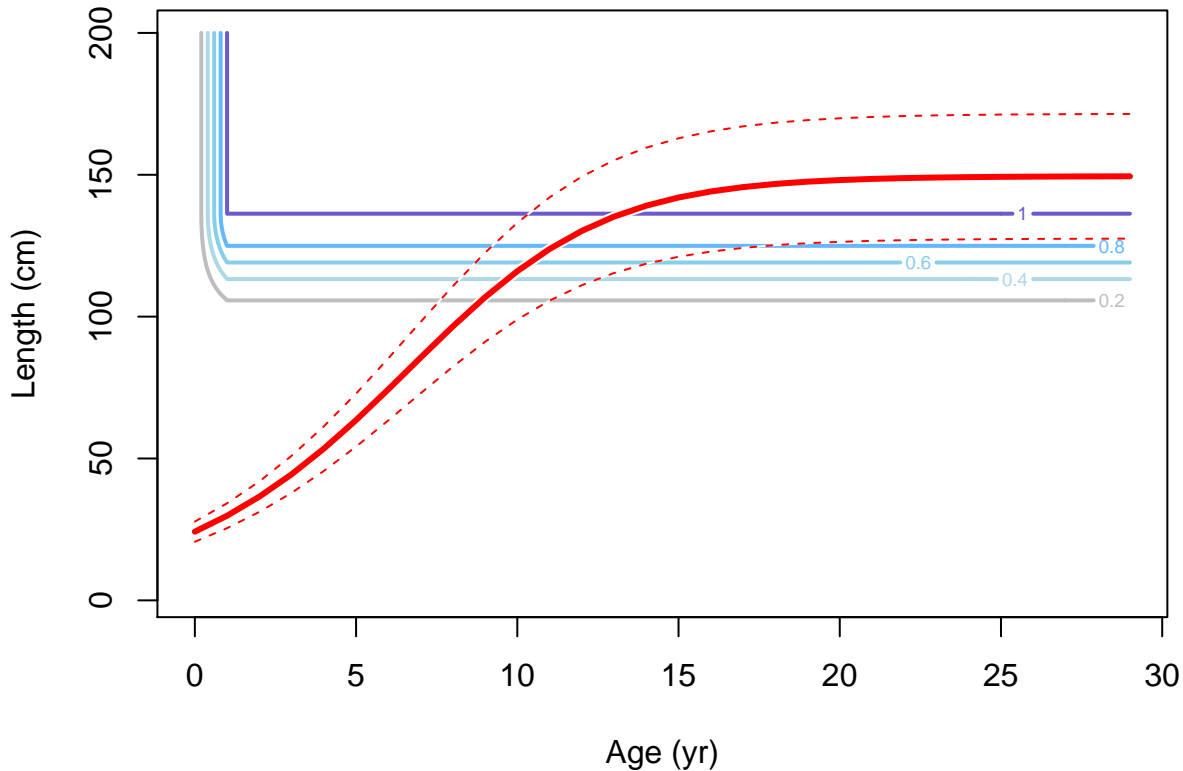
Female ending year selectivity and growth for F39-LL_C_Q23w



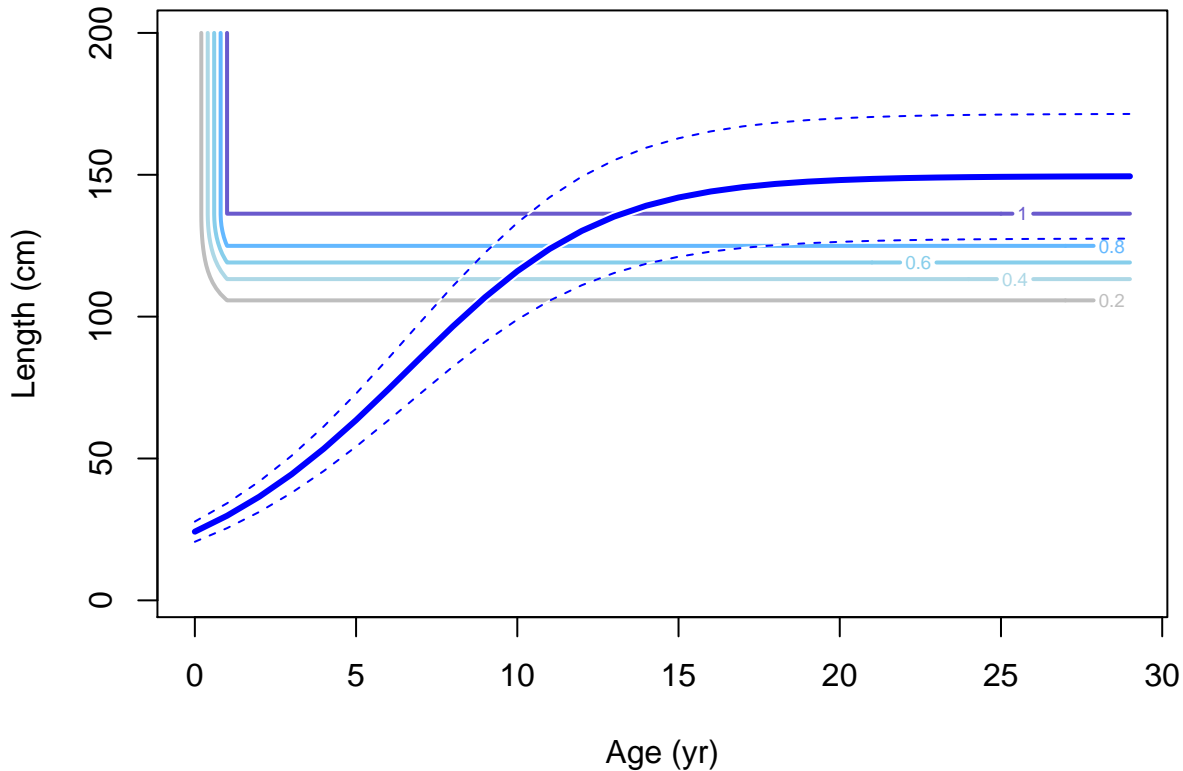
Male ending year selectivity and growth for F39-LL_C_Q23w



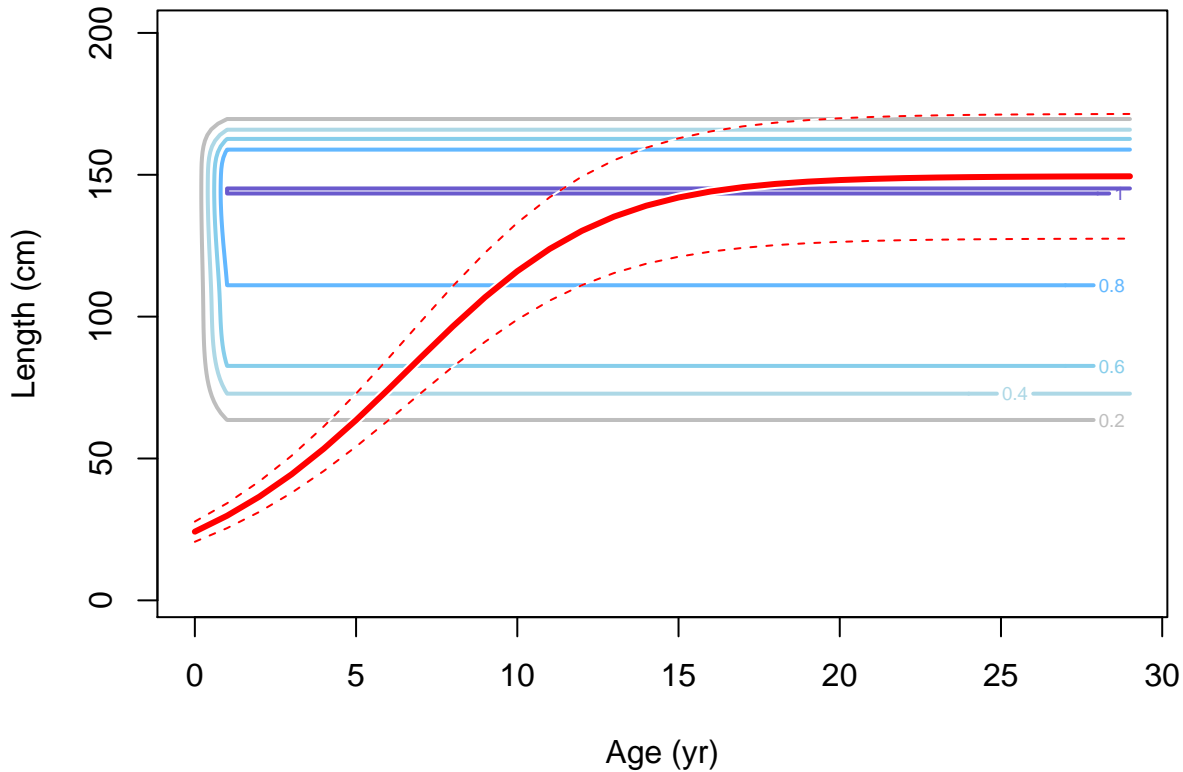
Female ending year selectivity and growth for F40-LL_E_Q23w



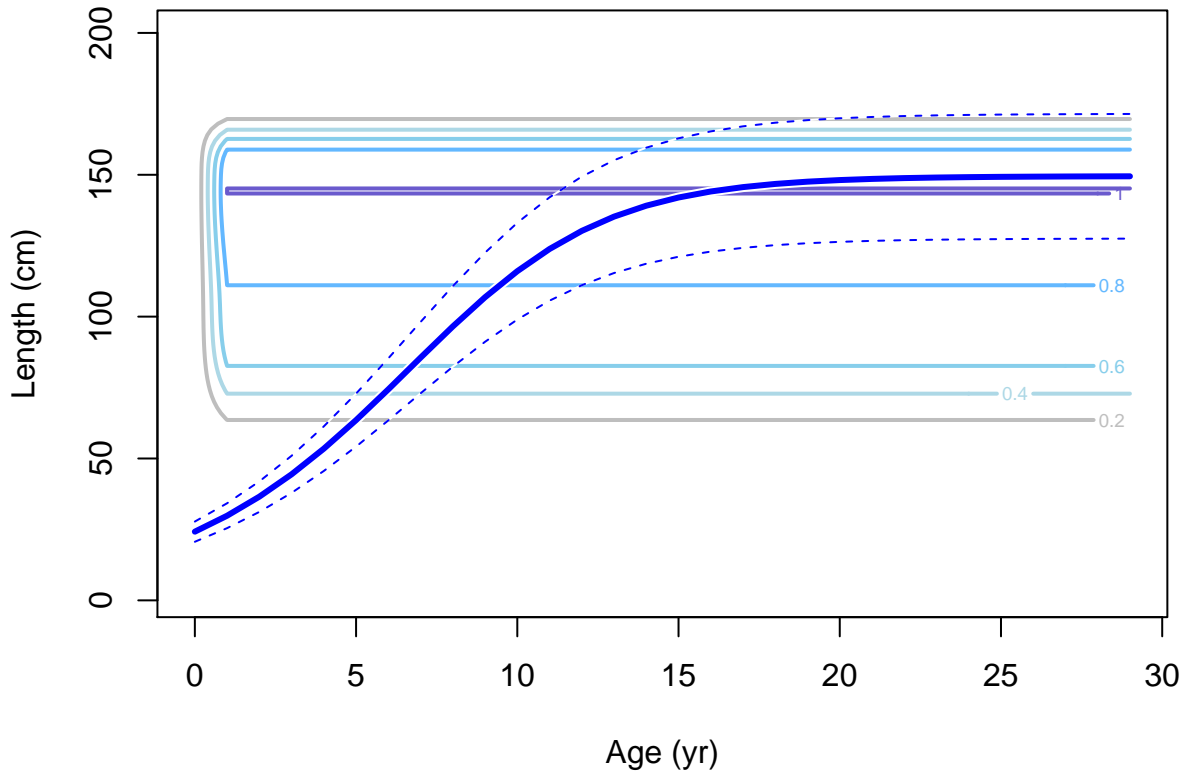
Male ending year selectivity and growth for F40-LL_E_Q23w



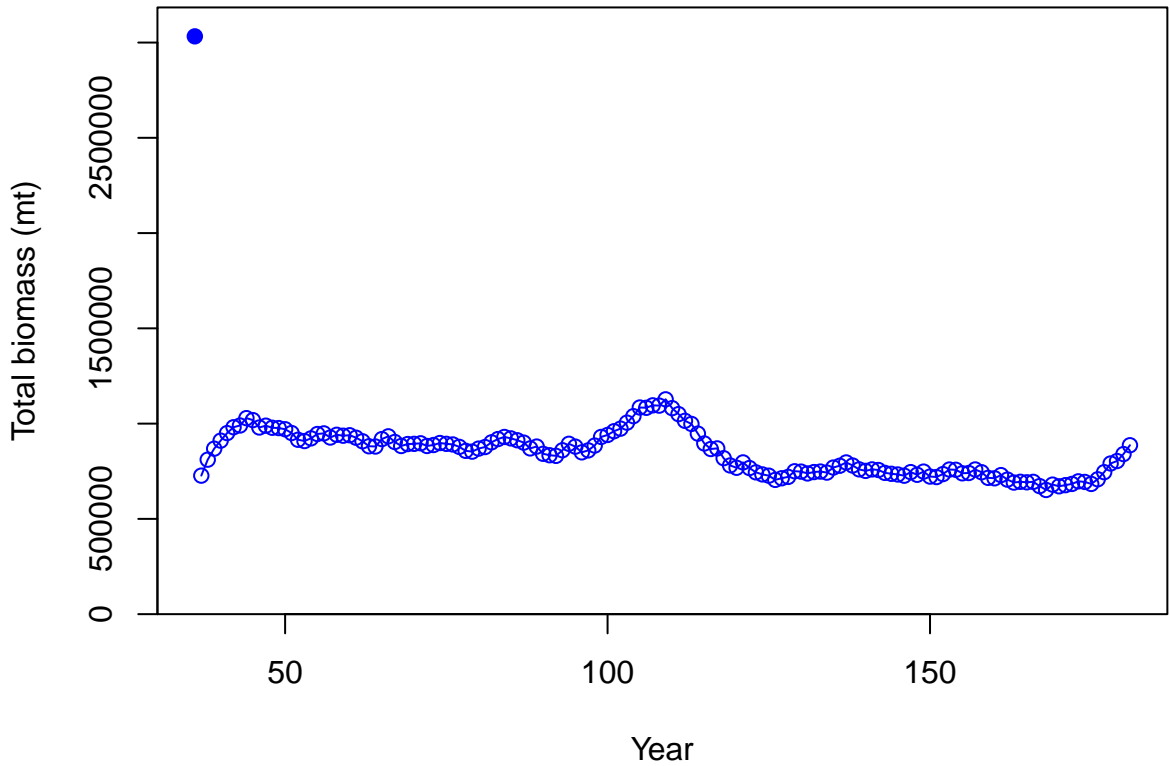
Female ending year selectivity and growth for S1-PS_DEL_VAST



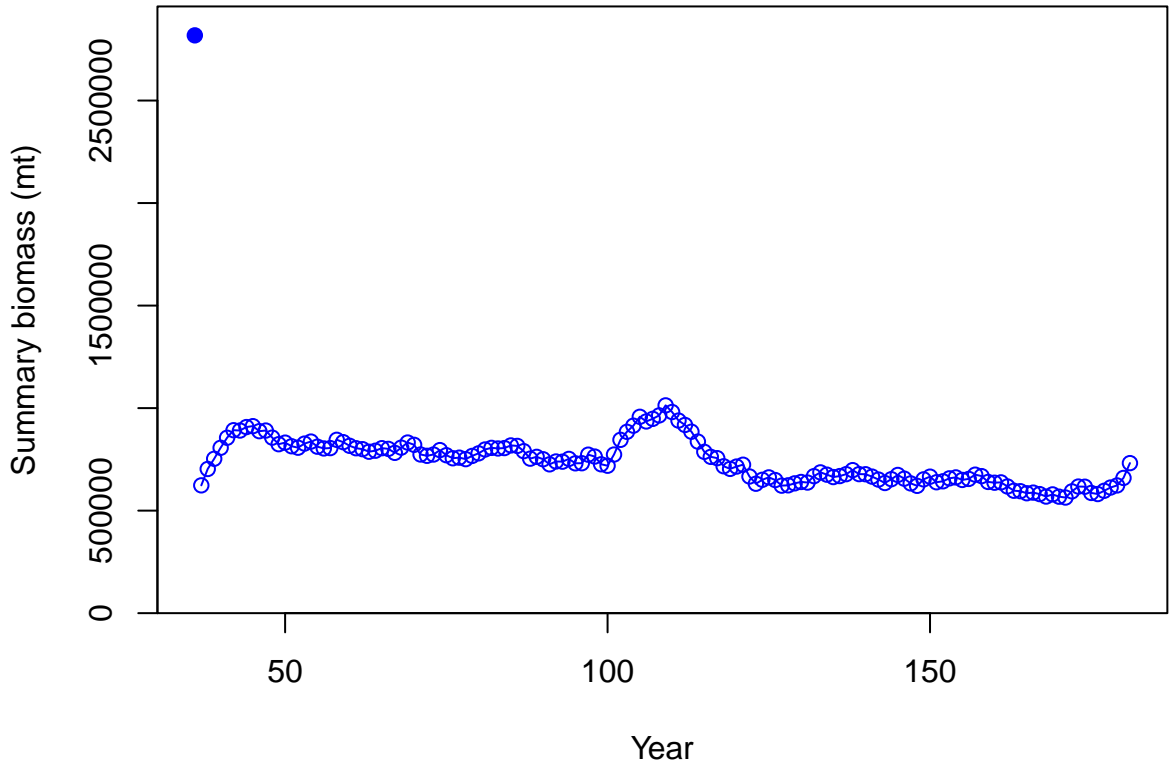
Male ending year selectivity and growth for S1-PS_DEL_VAST



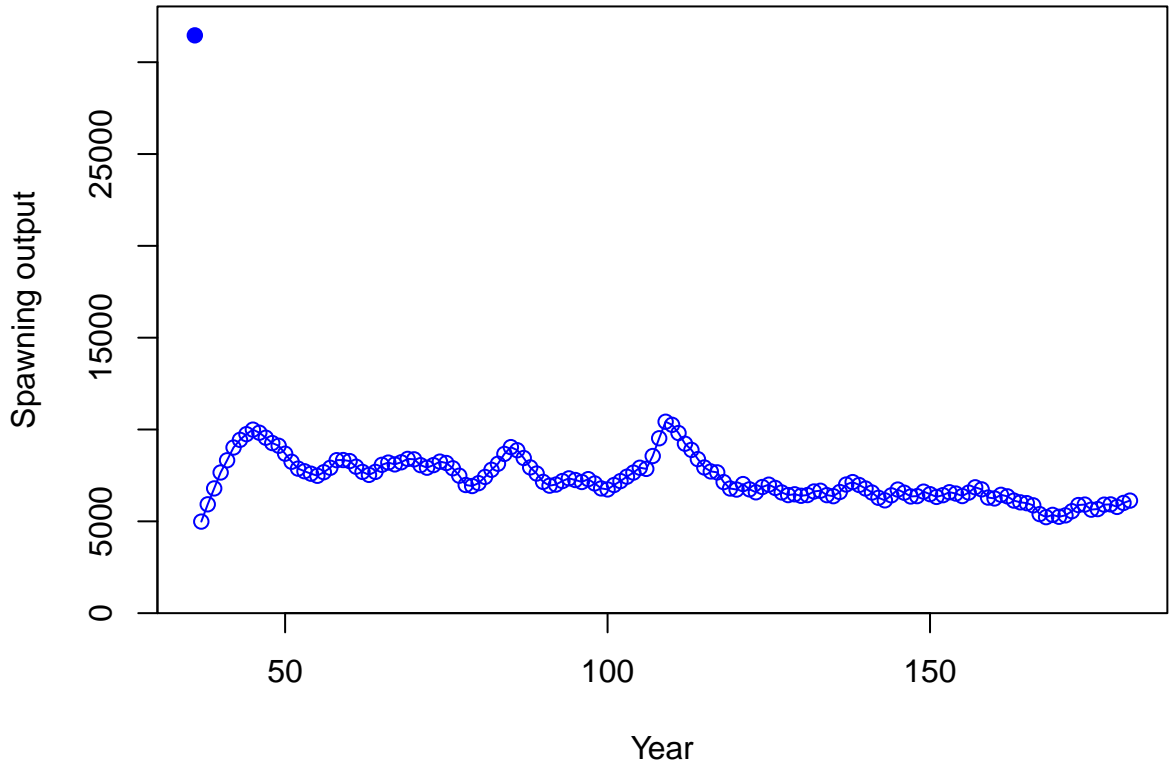
Total biomass (mt)



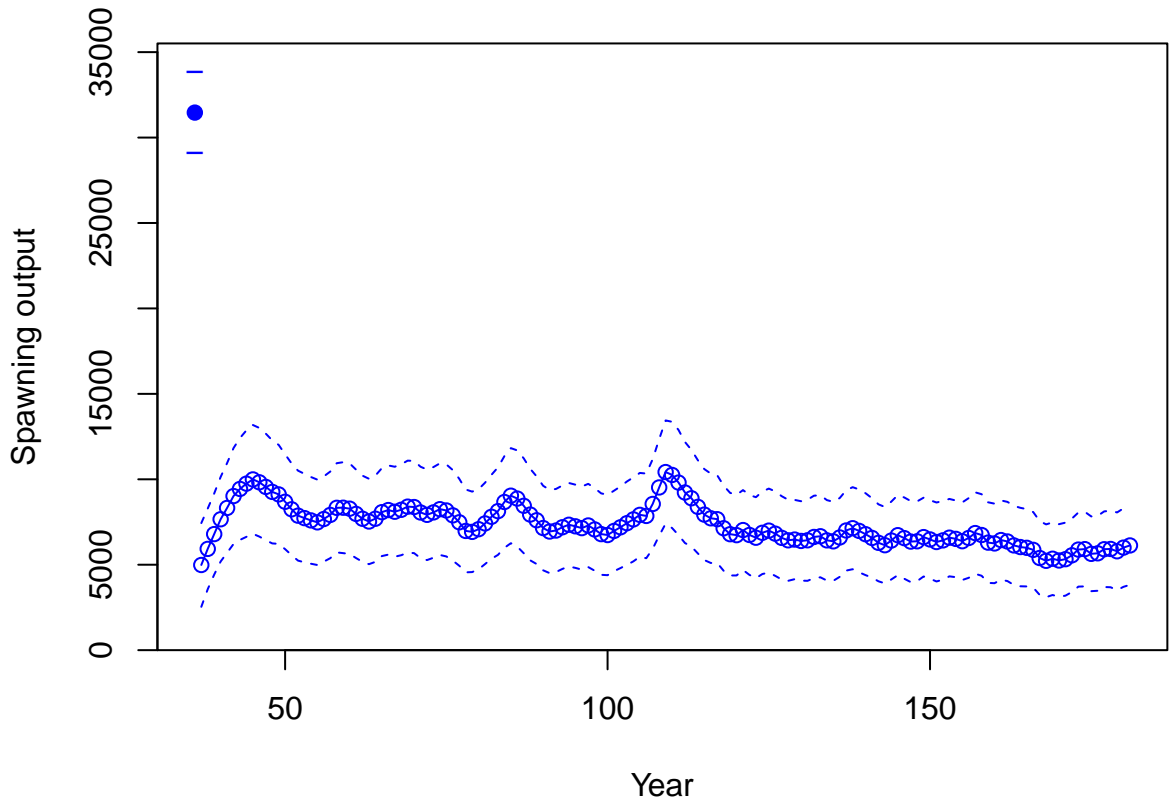
Summary biomass (mt)



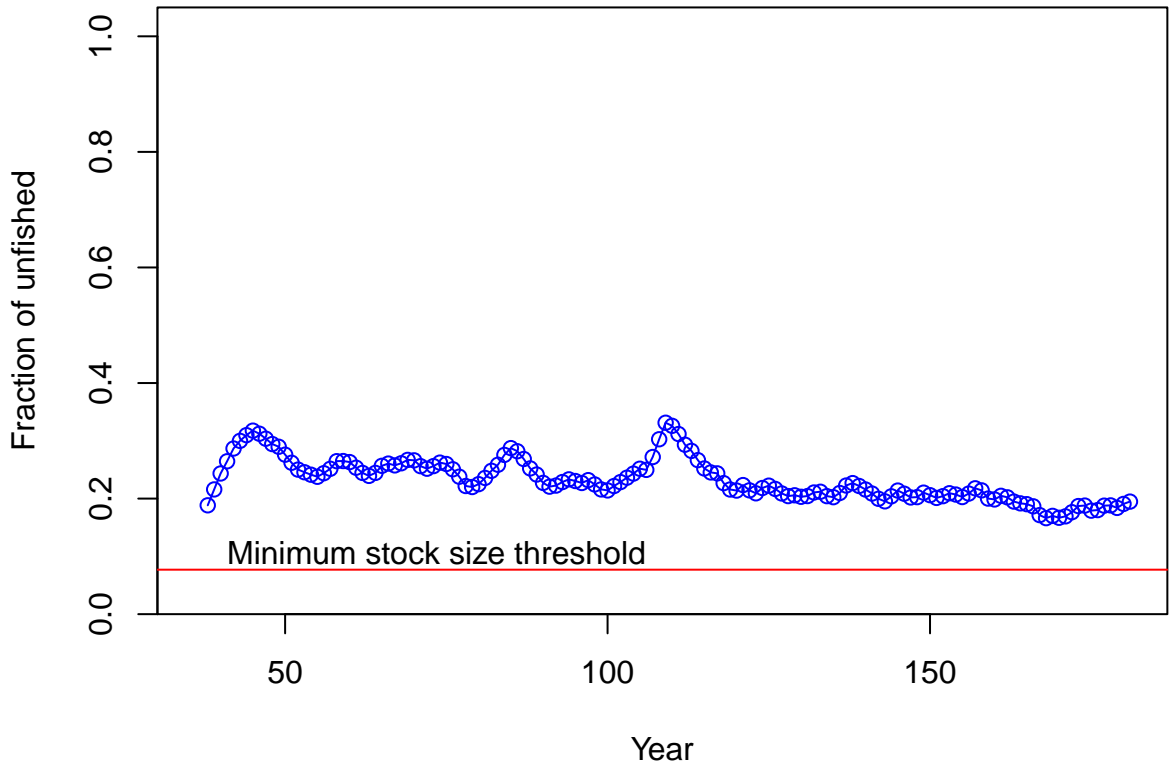
Spawning output



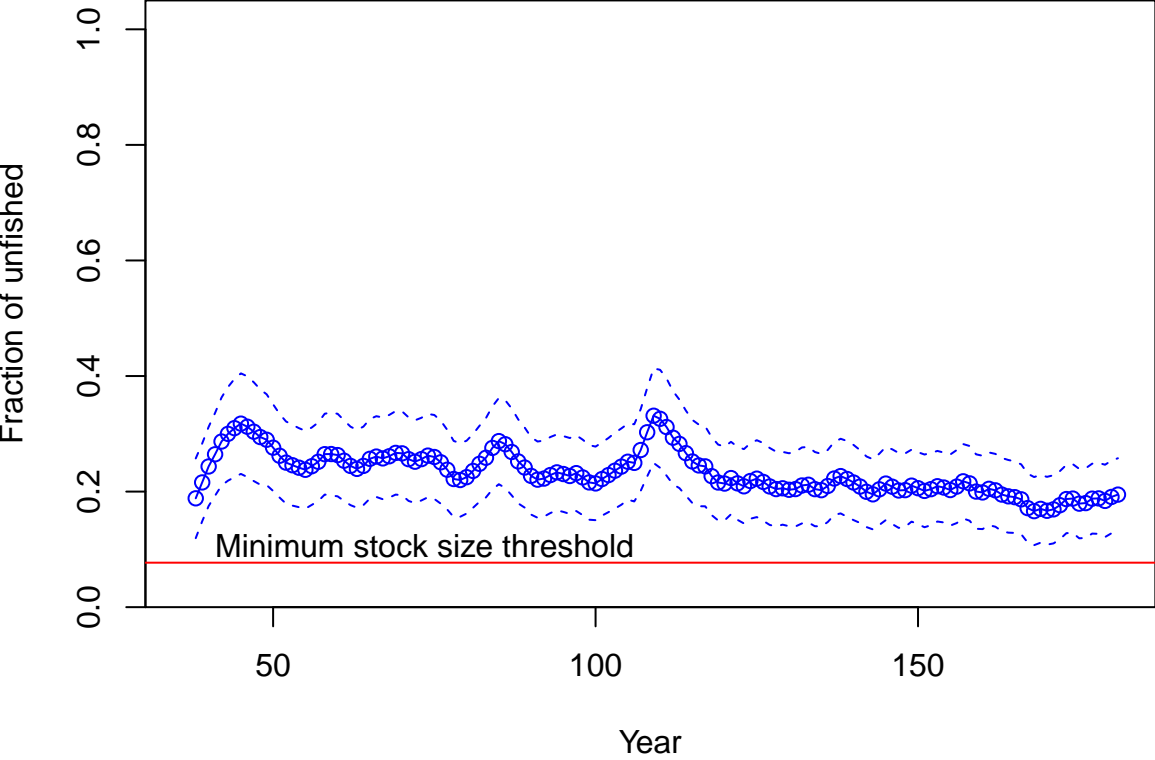
Spawning output with ~95% asymptotic intervals



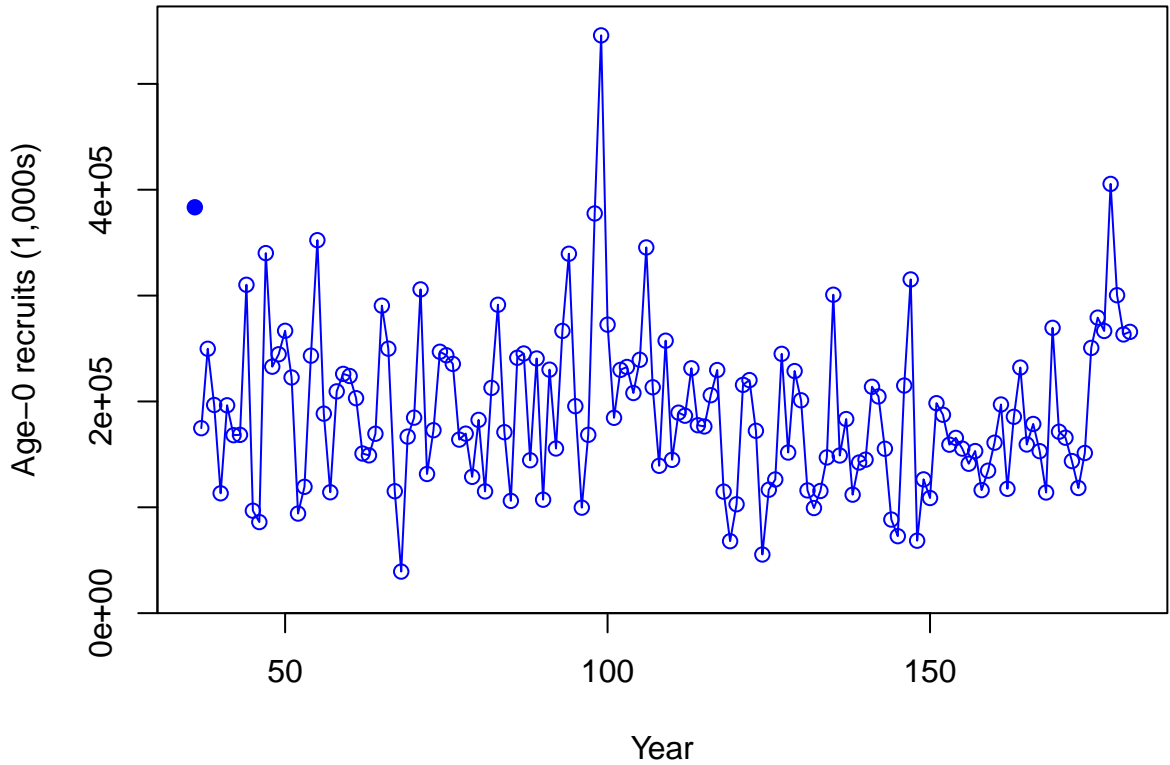
Fraction of unfished



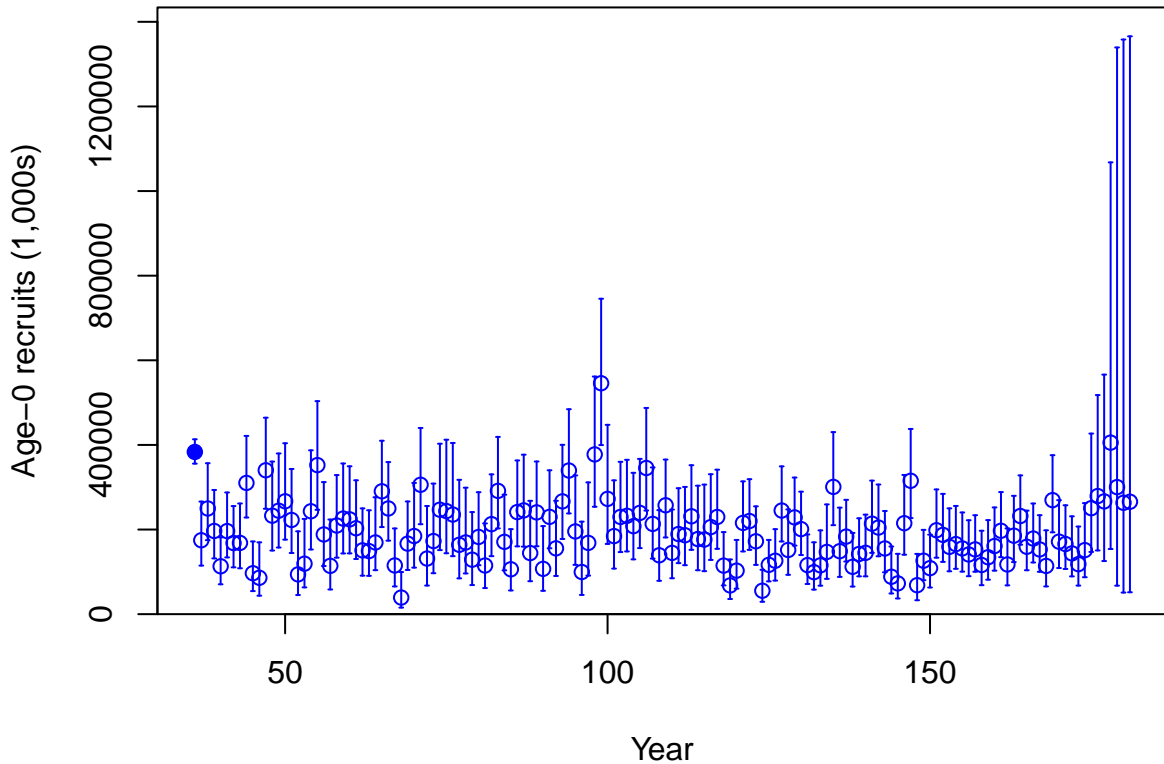
Fraction of unfished with ~95% asymptotic intervals

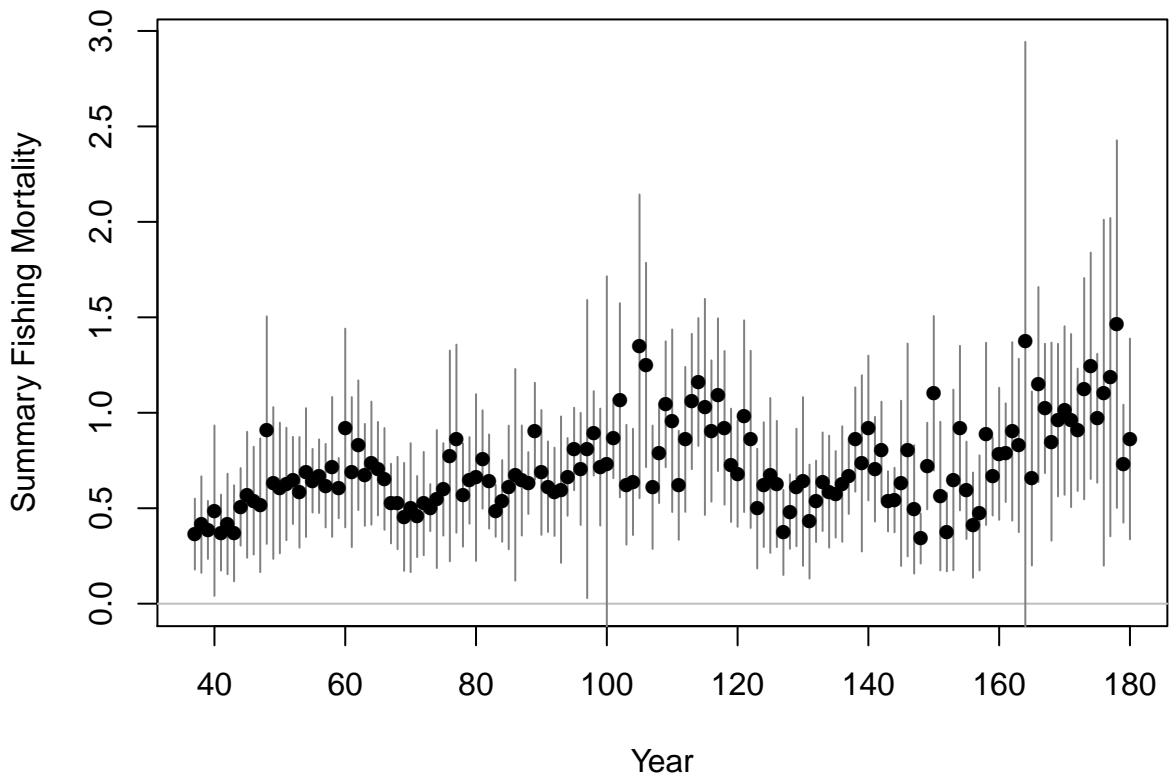


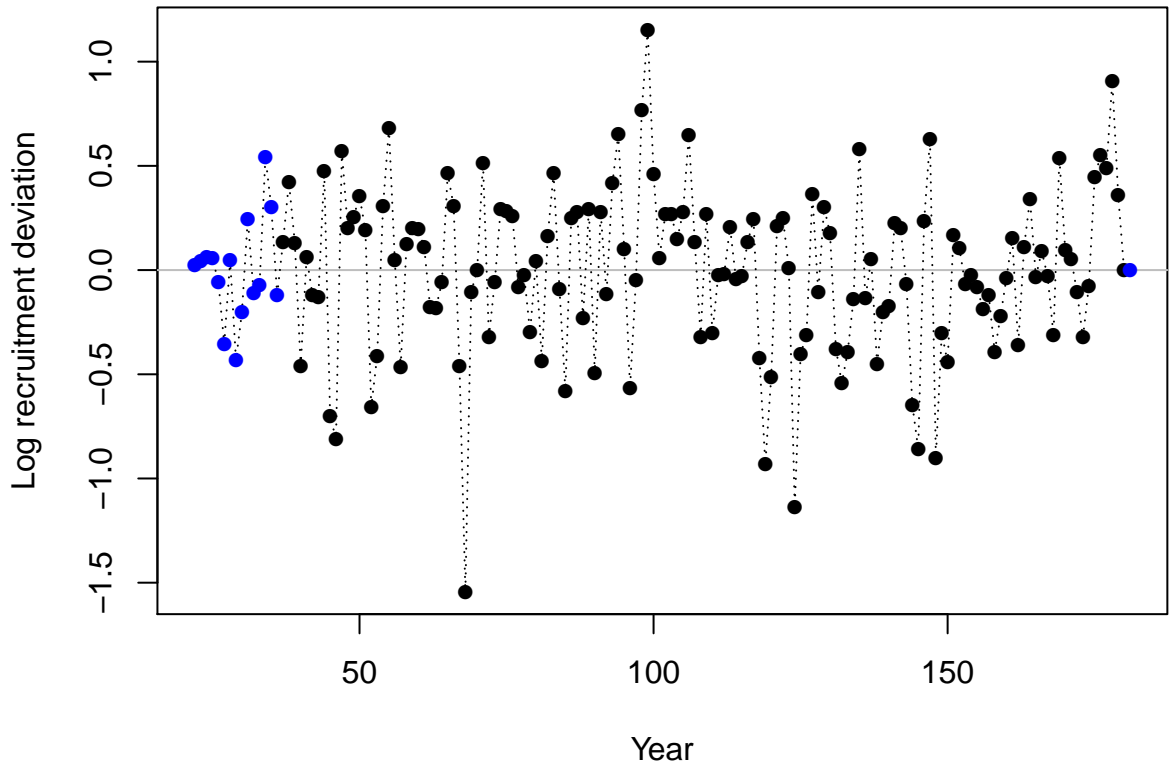
Age-0 recruits (1,000s)



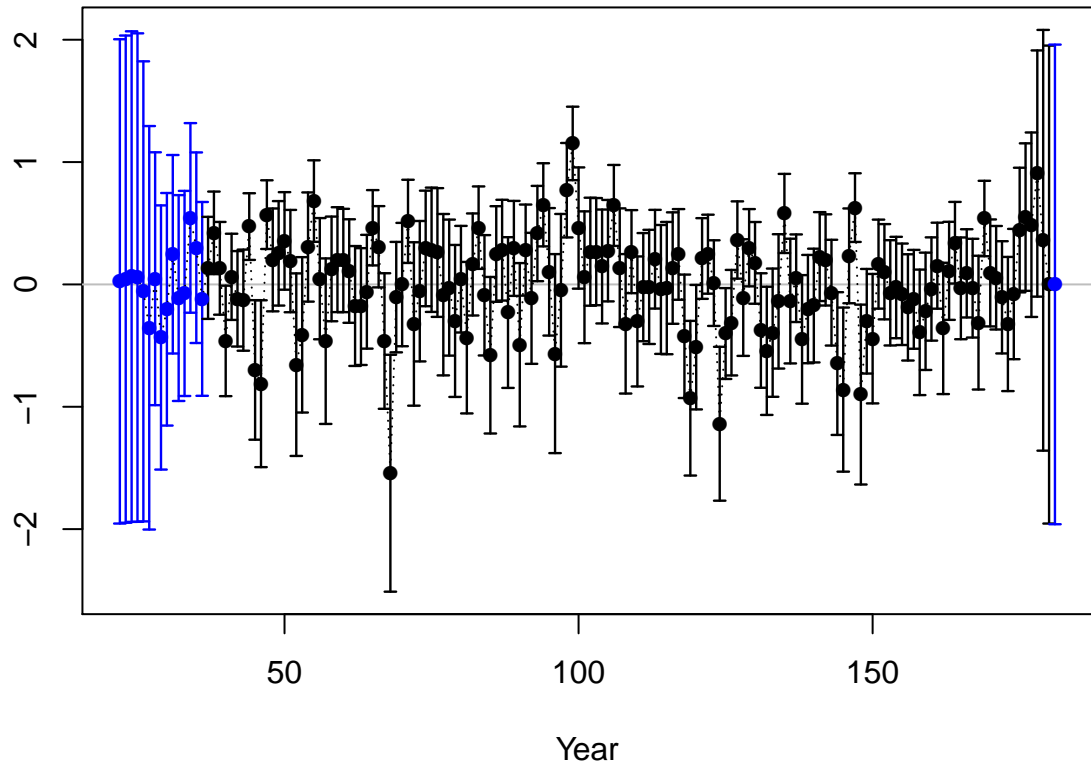
Age-0 recruits (1,000s) with ~95% asymptotic intervals



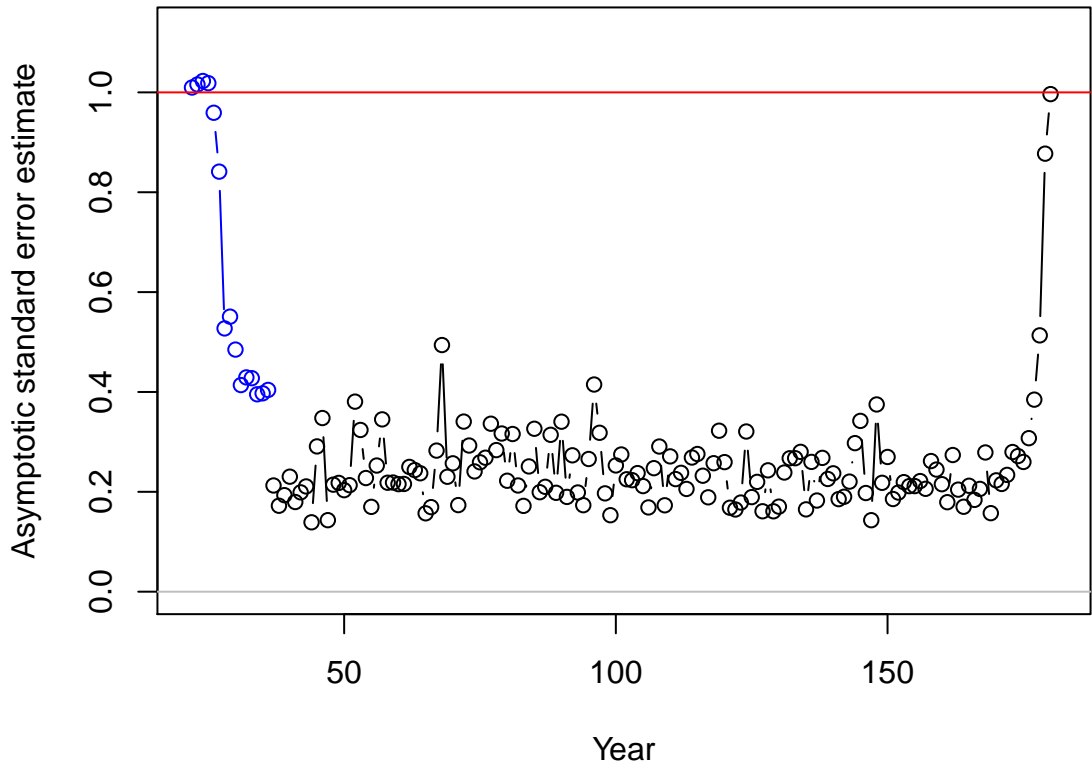


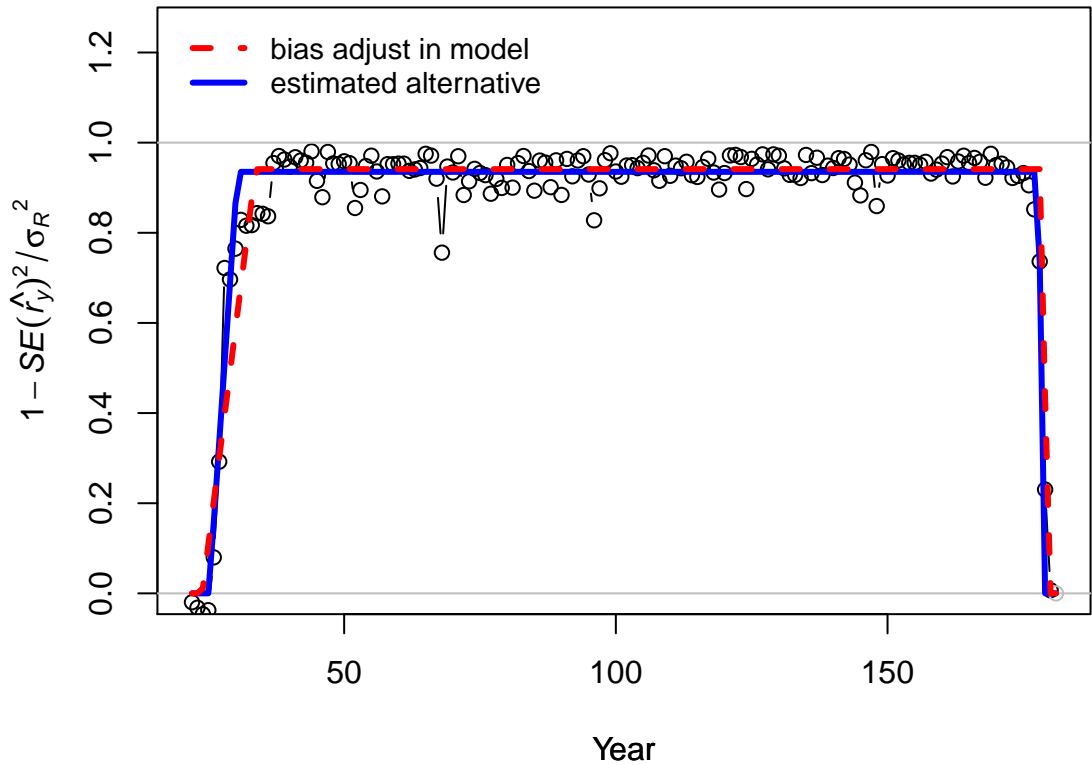


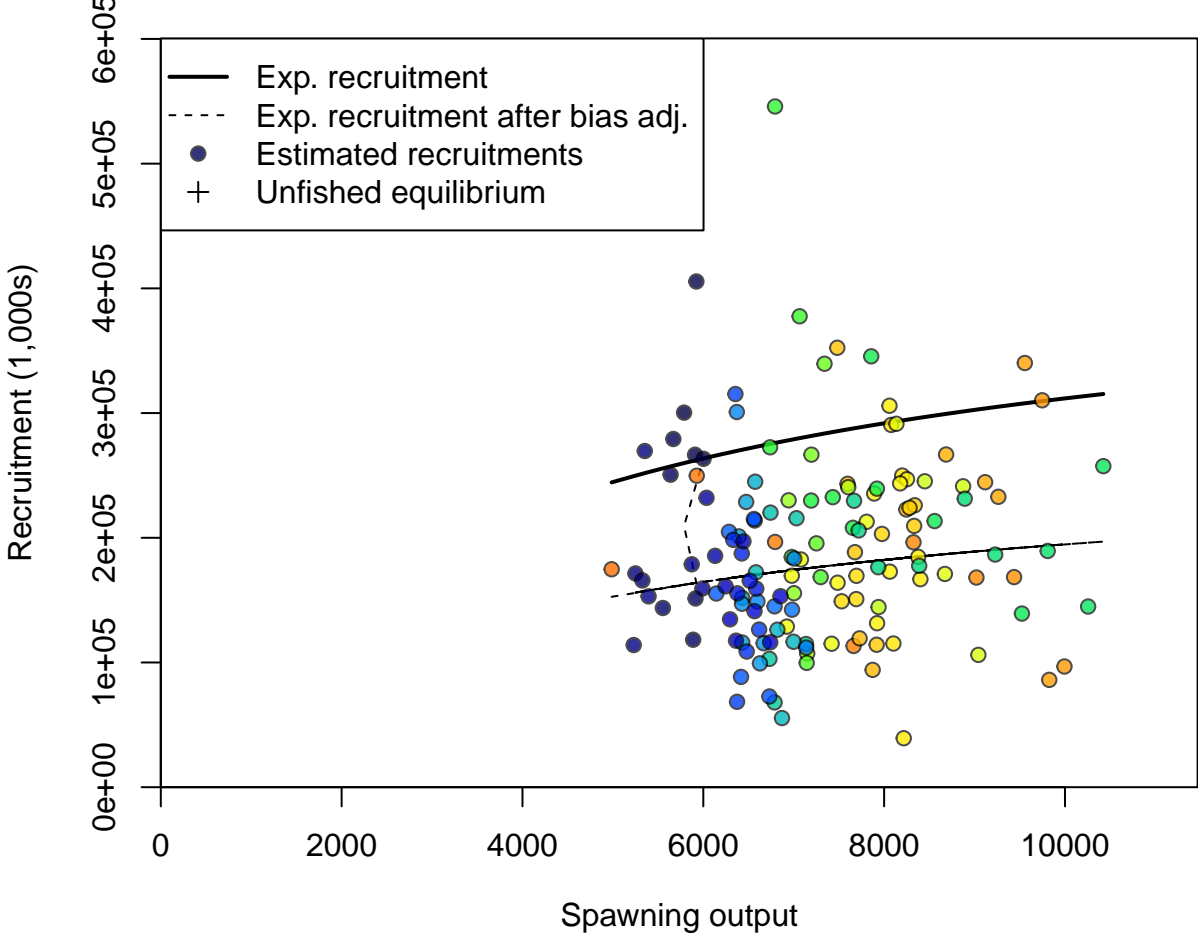
Log recruitment deviation



Recruitment deviation variance

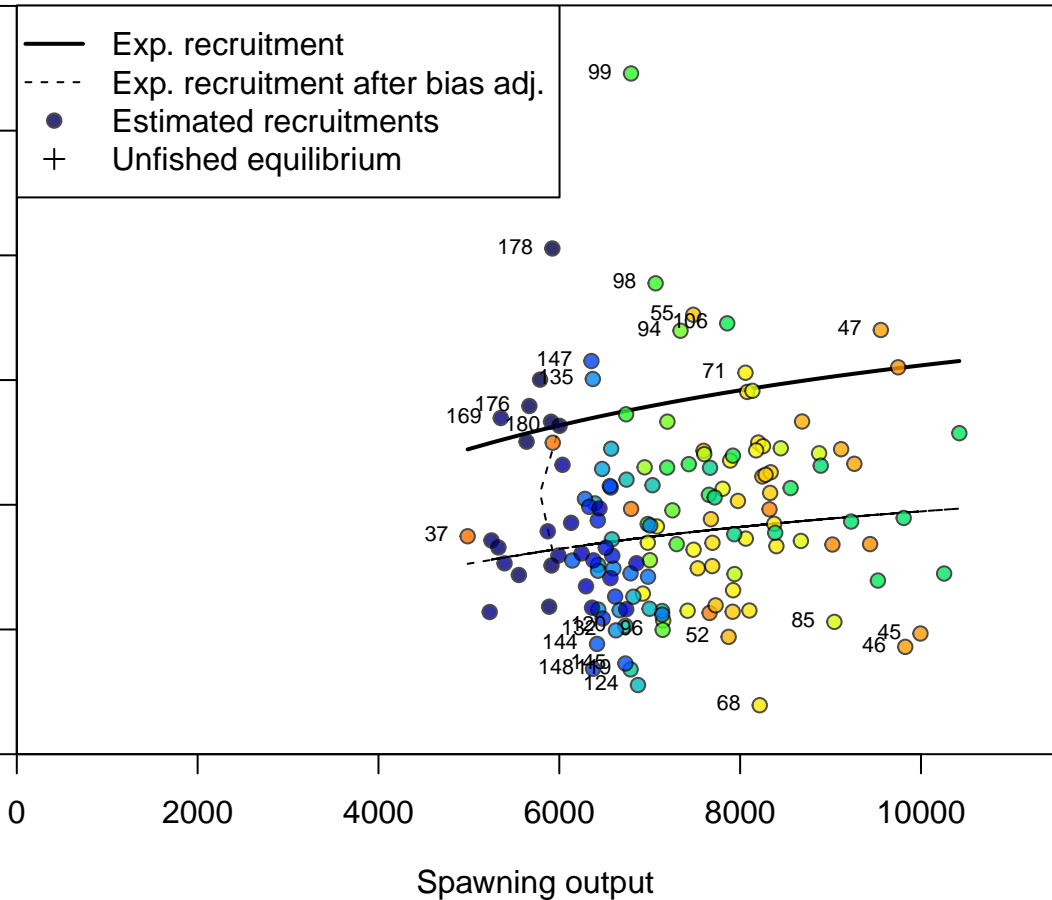




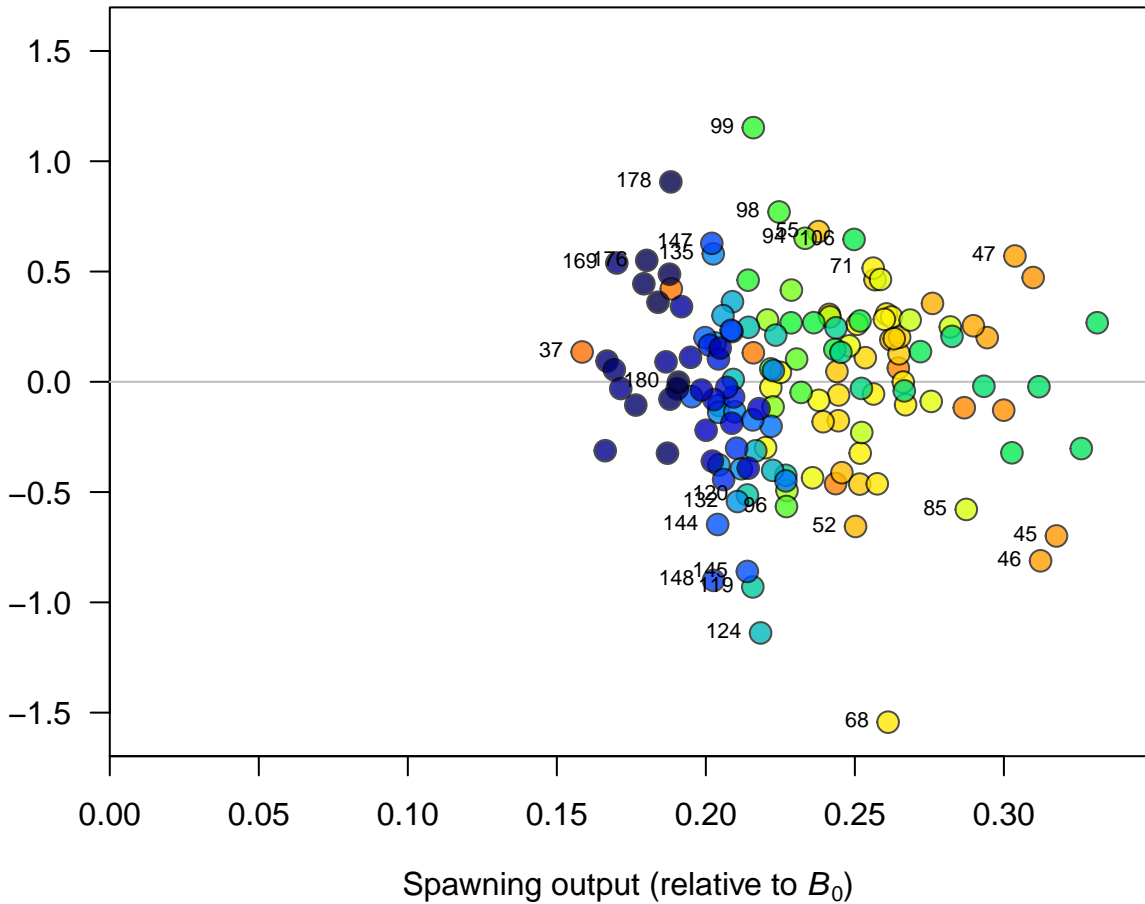


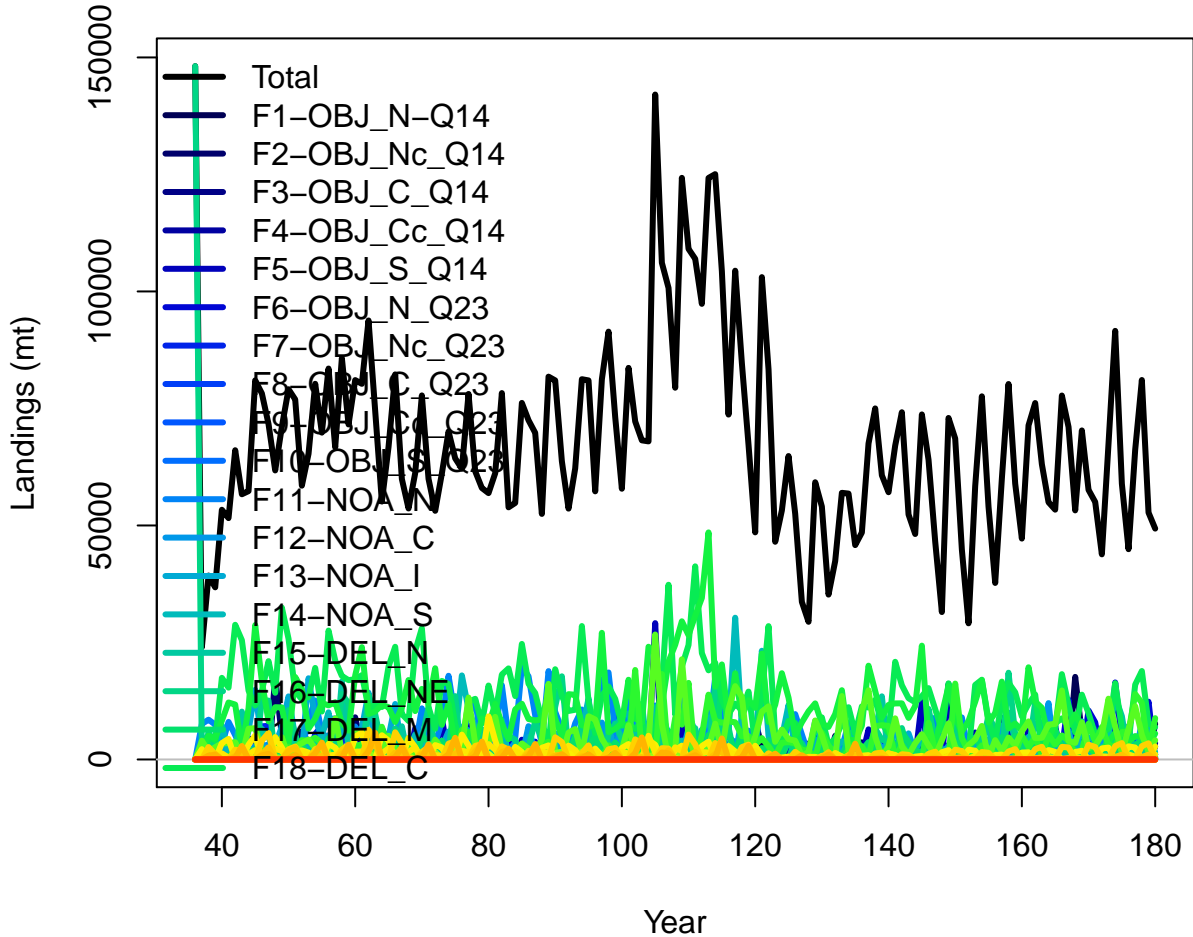
Recruitment (1,000s)

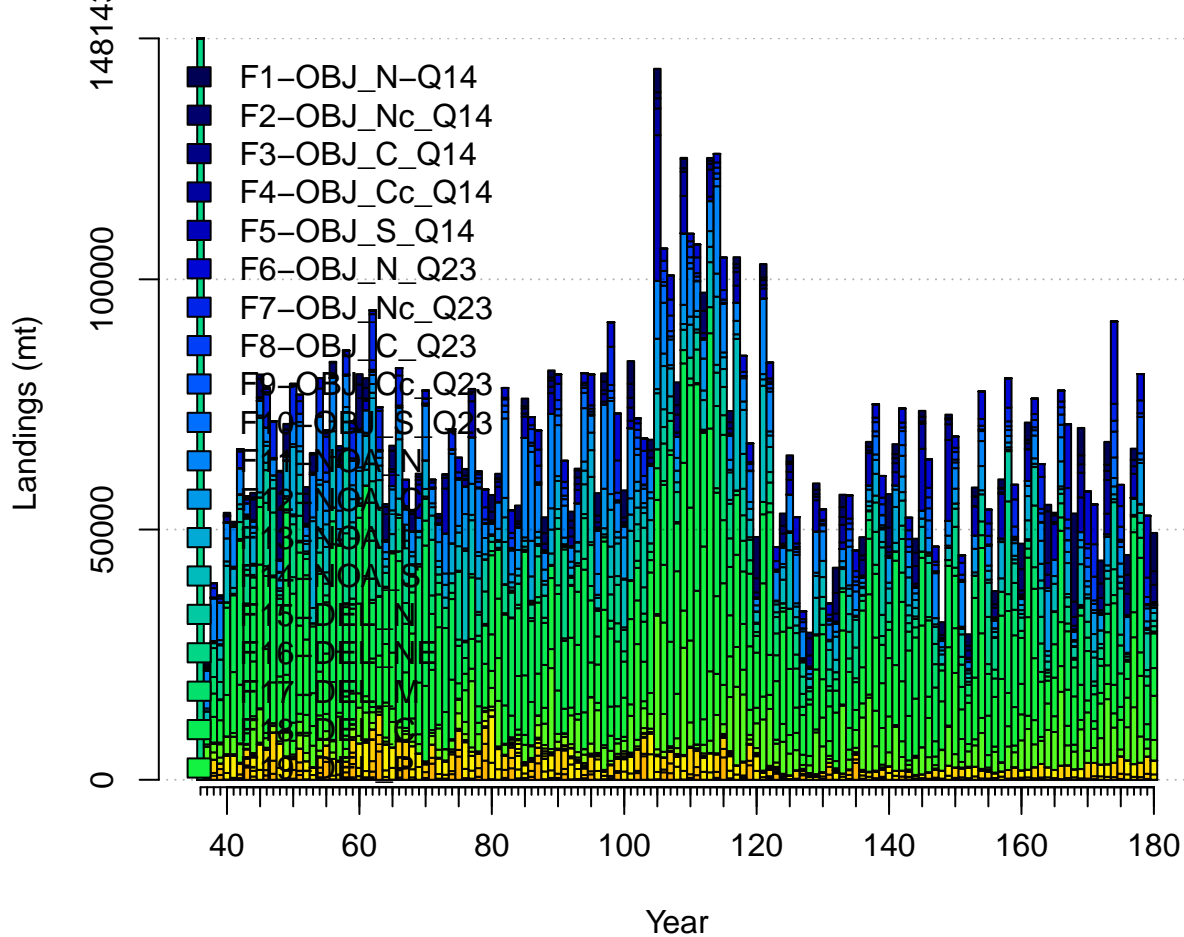
0e+00
1e+05
2e+05
3e+05
4e+05
5e+05
6e+05

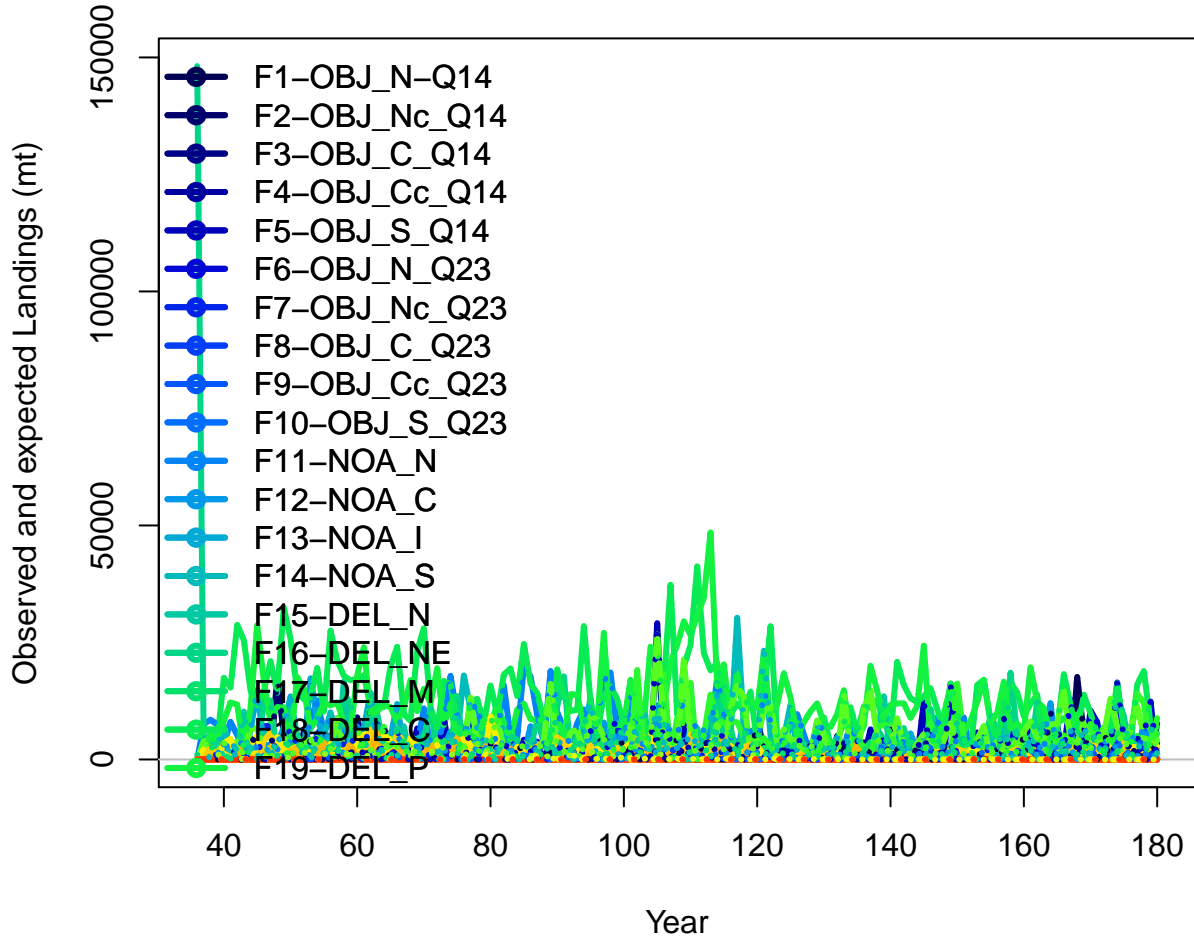


Log recruitment deviation

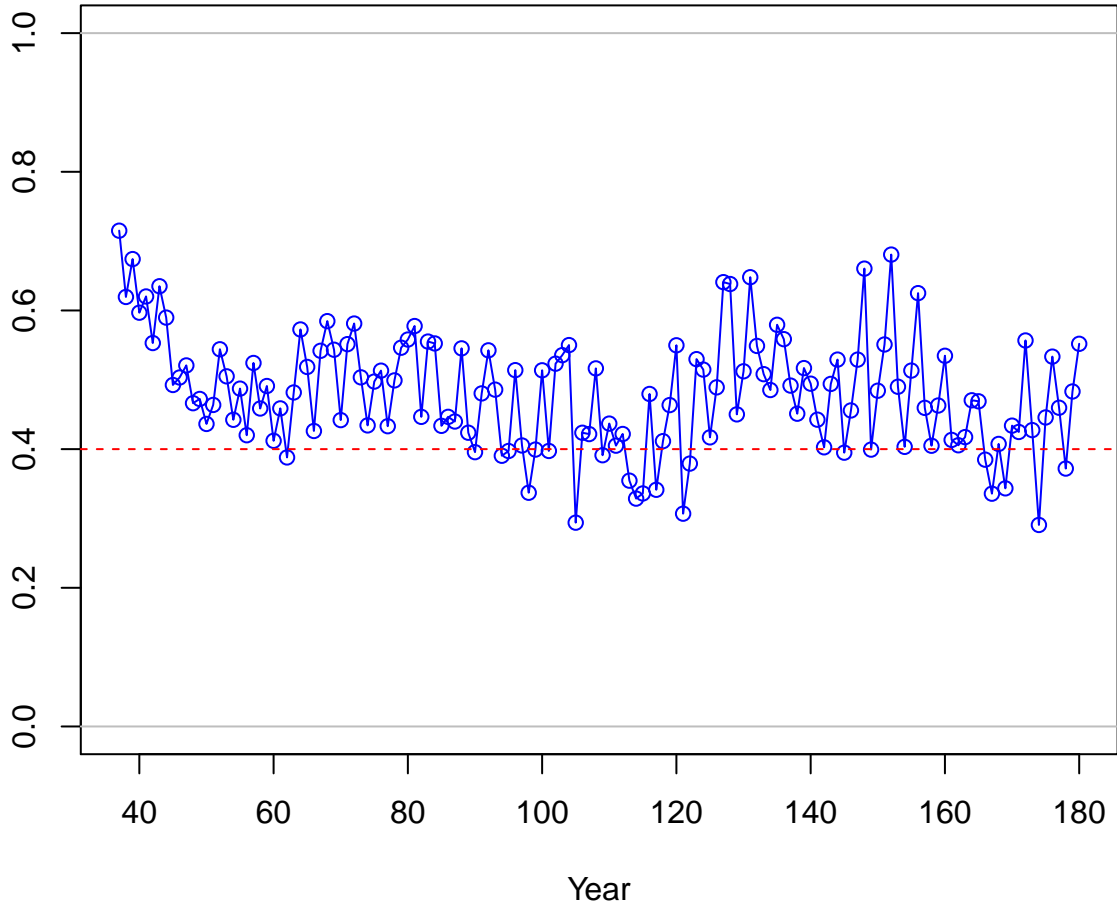


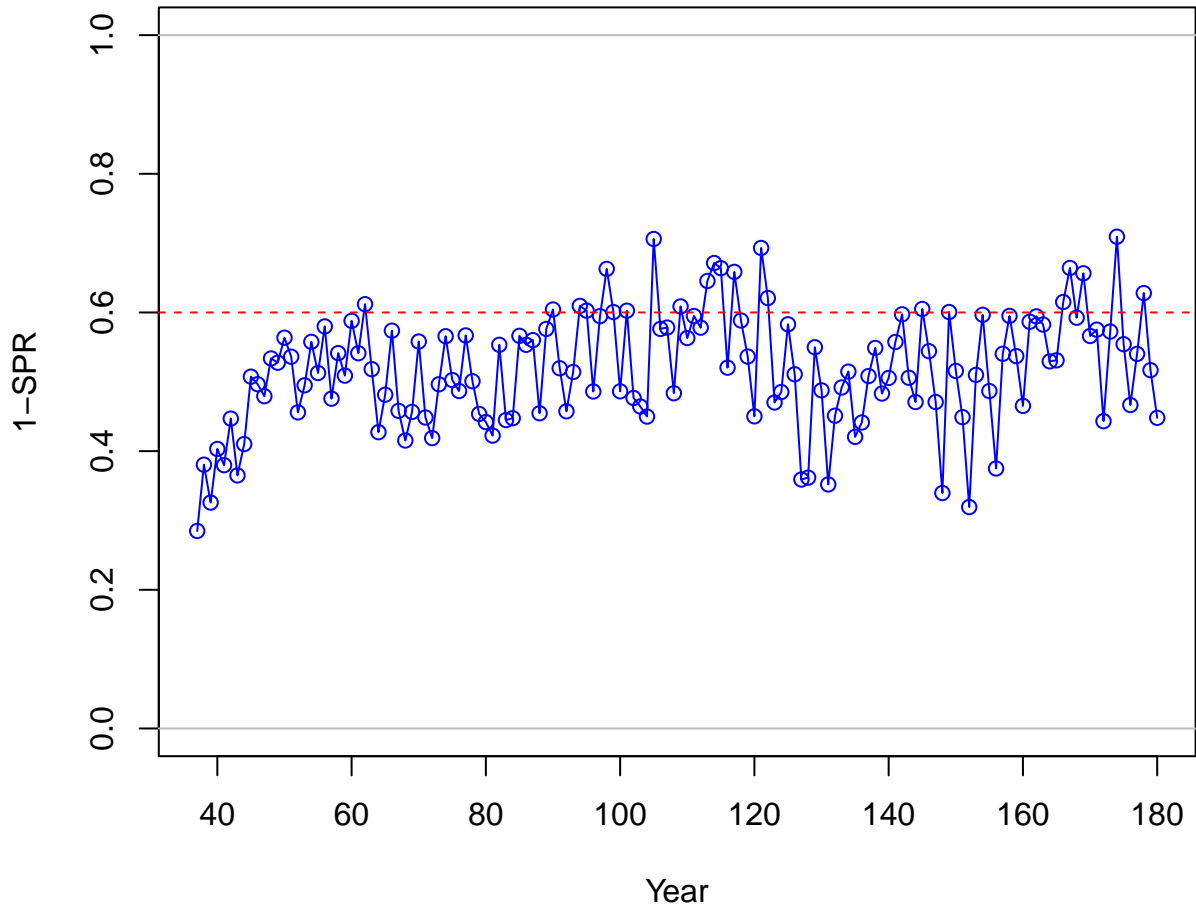




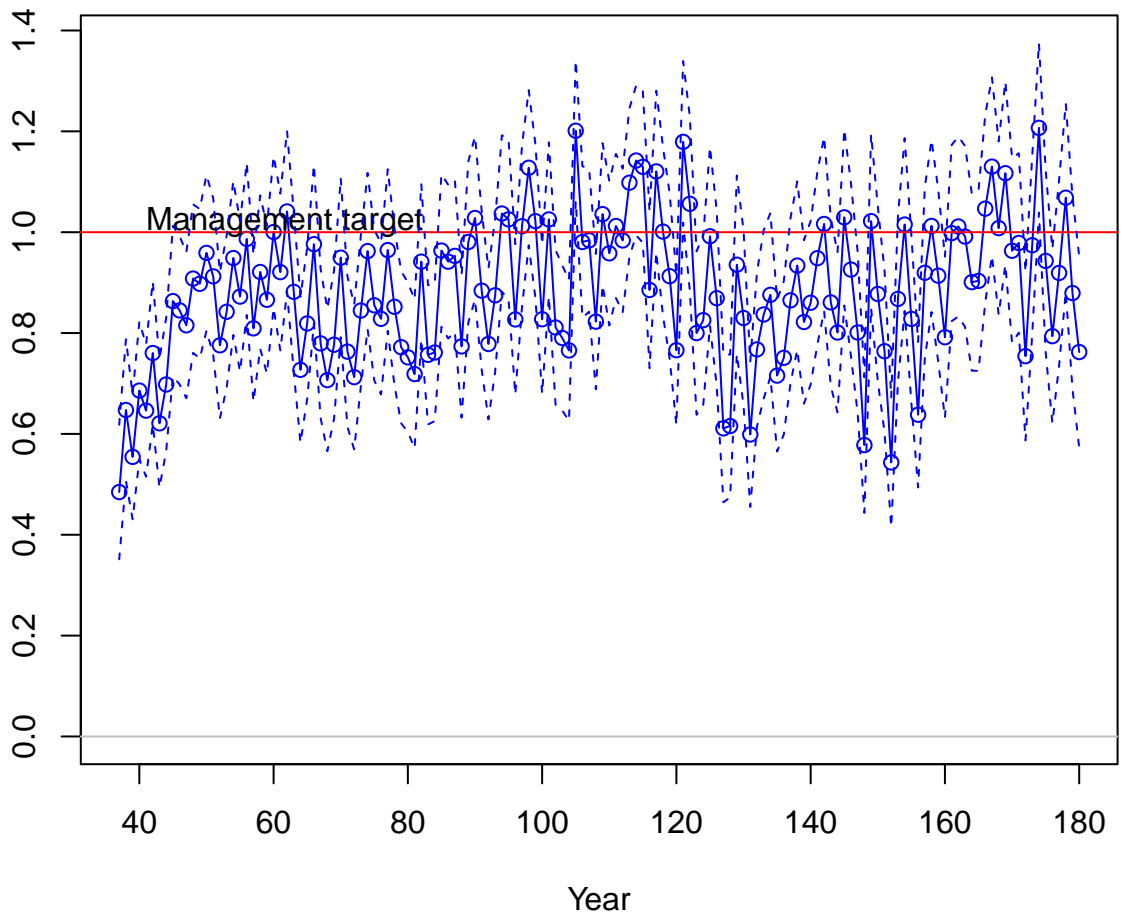


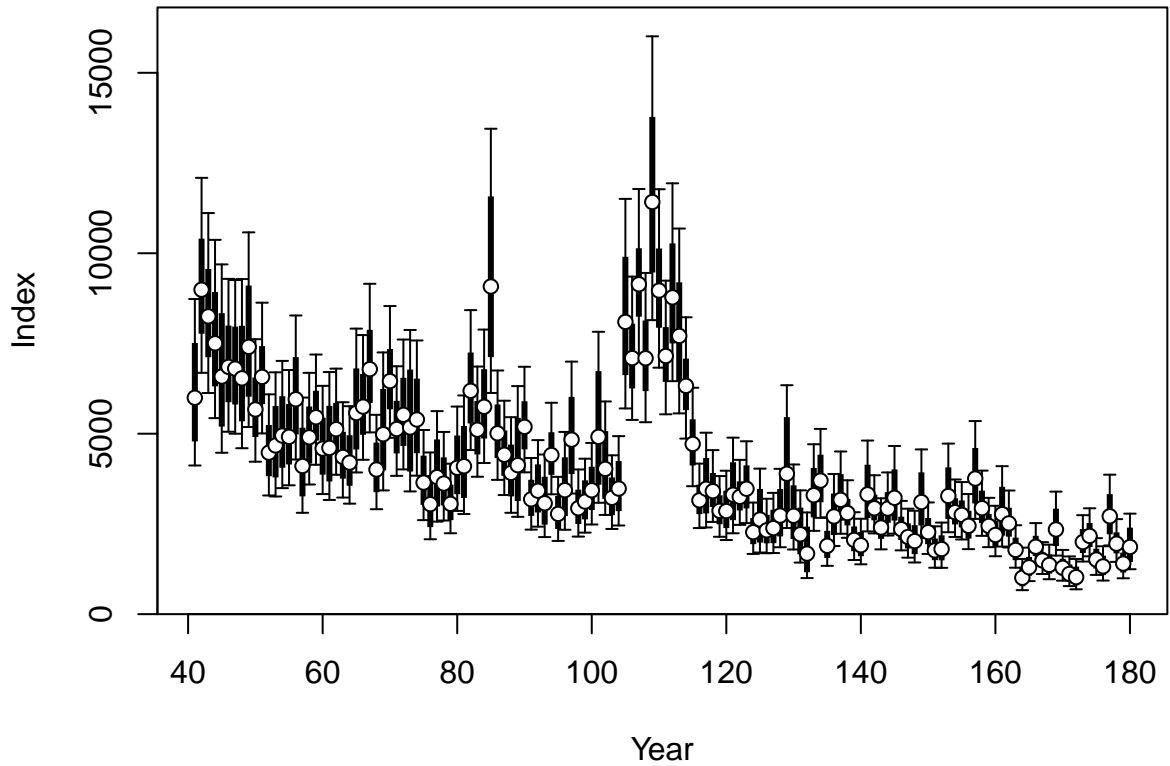
SPR

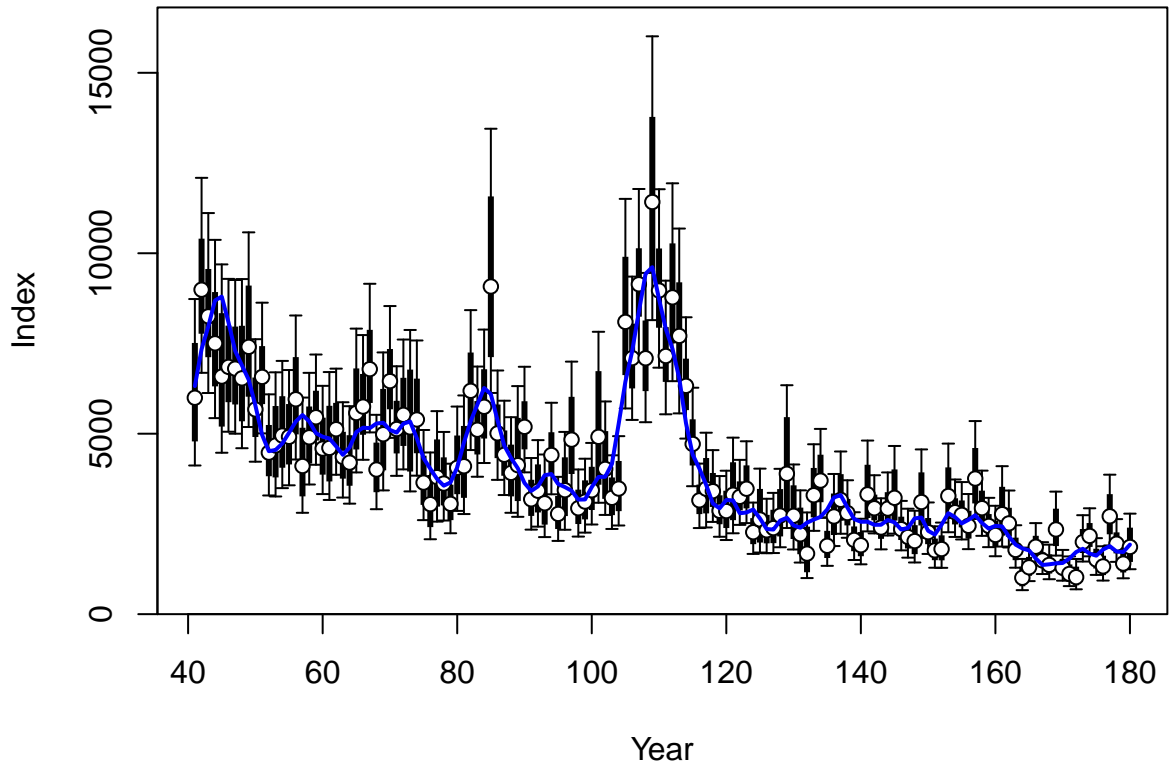


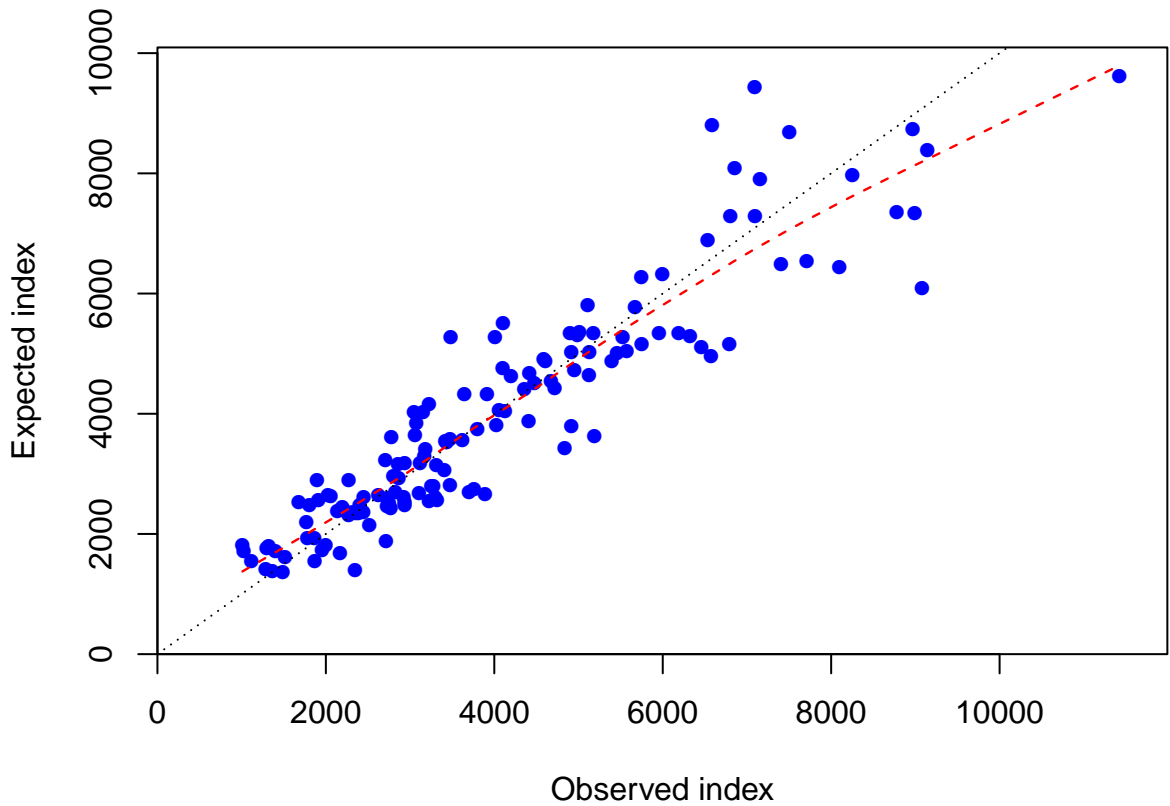


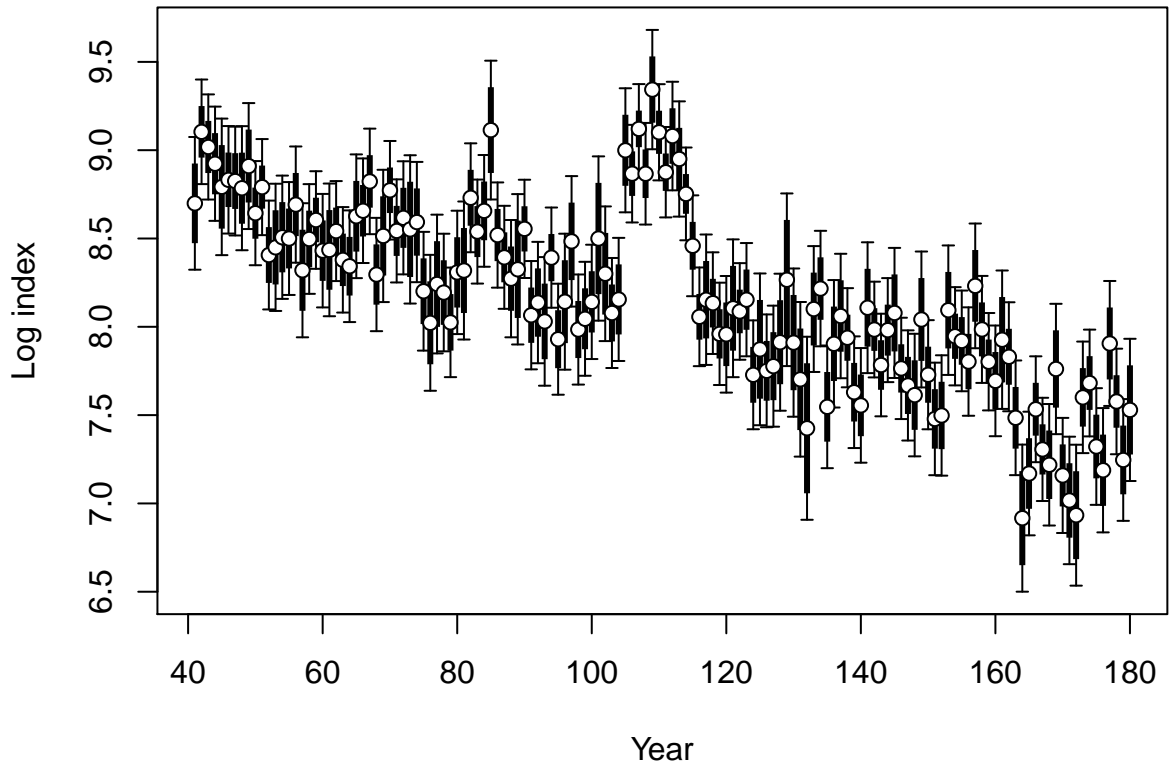
$(1-SPR)/(1-SPR_{MSY})$

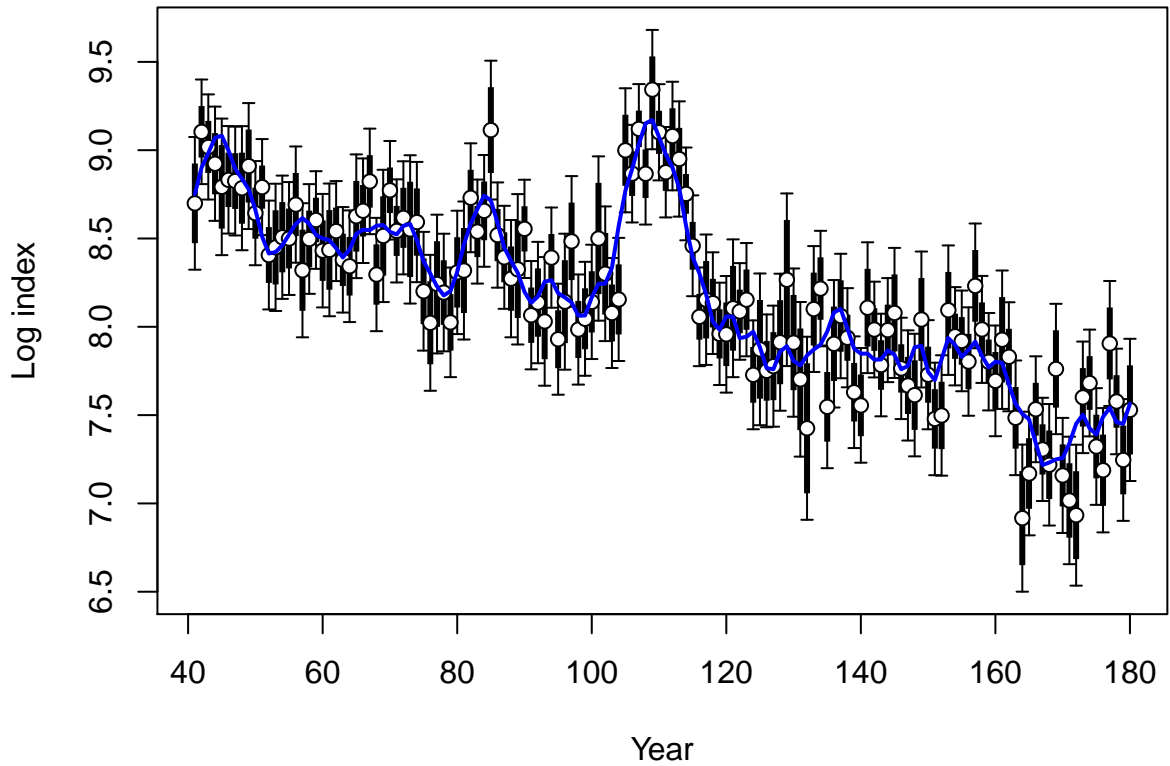


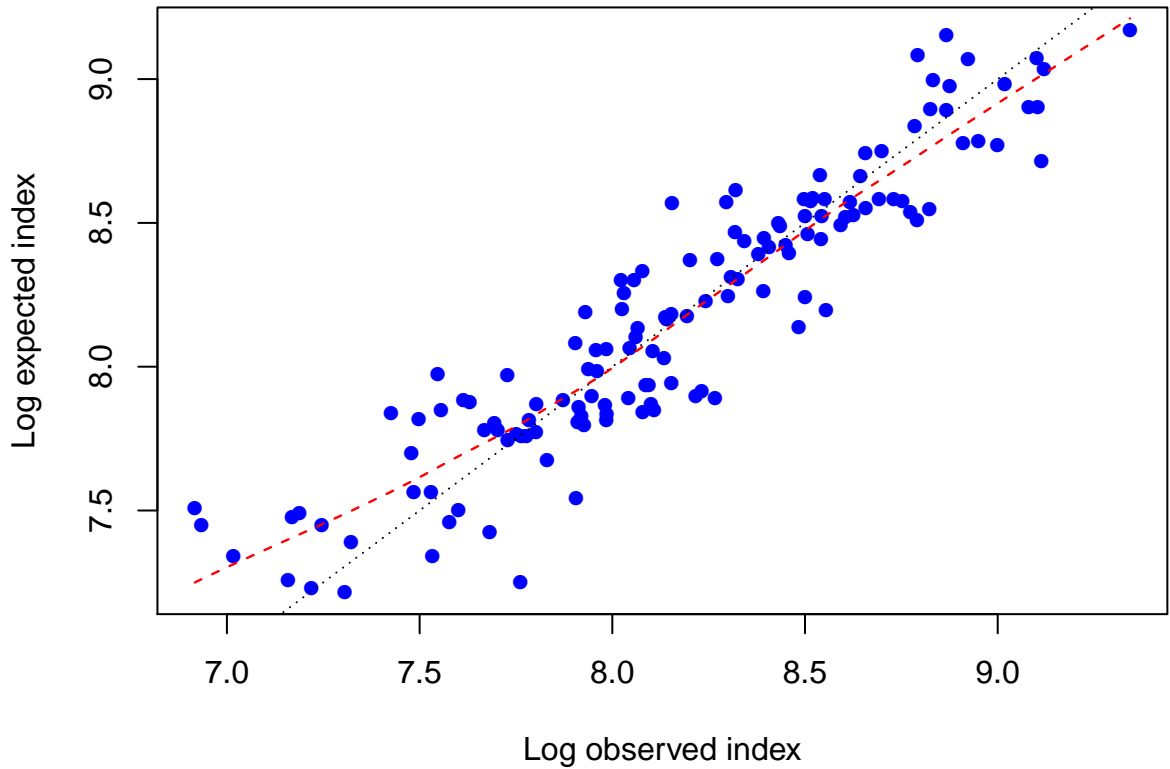


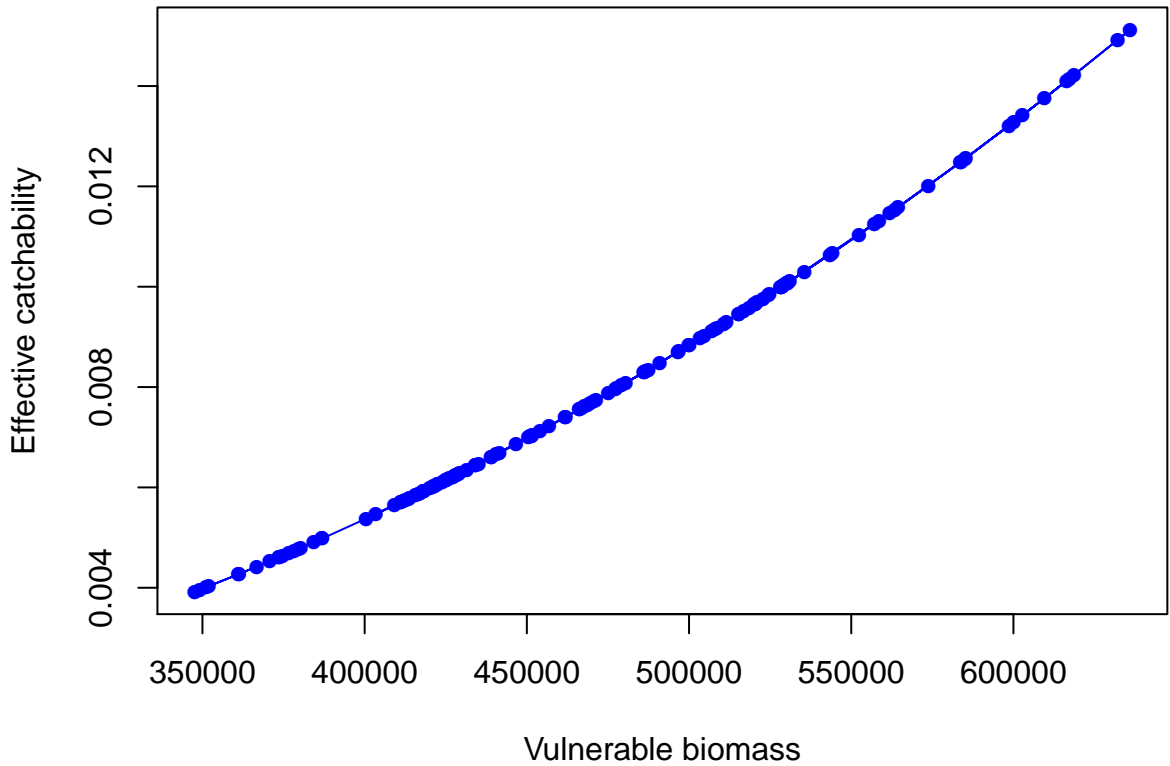


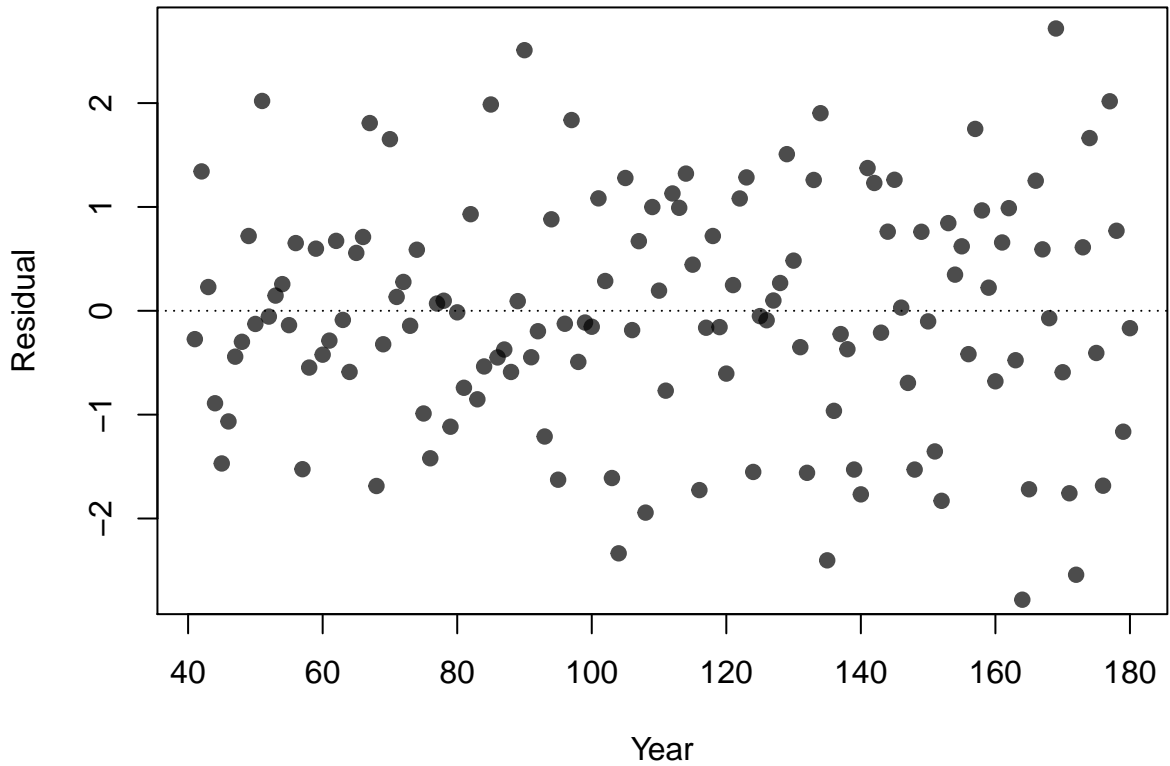


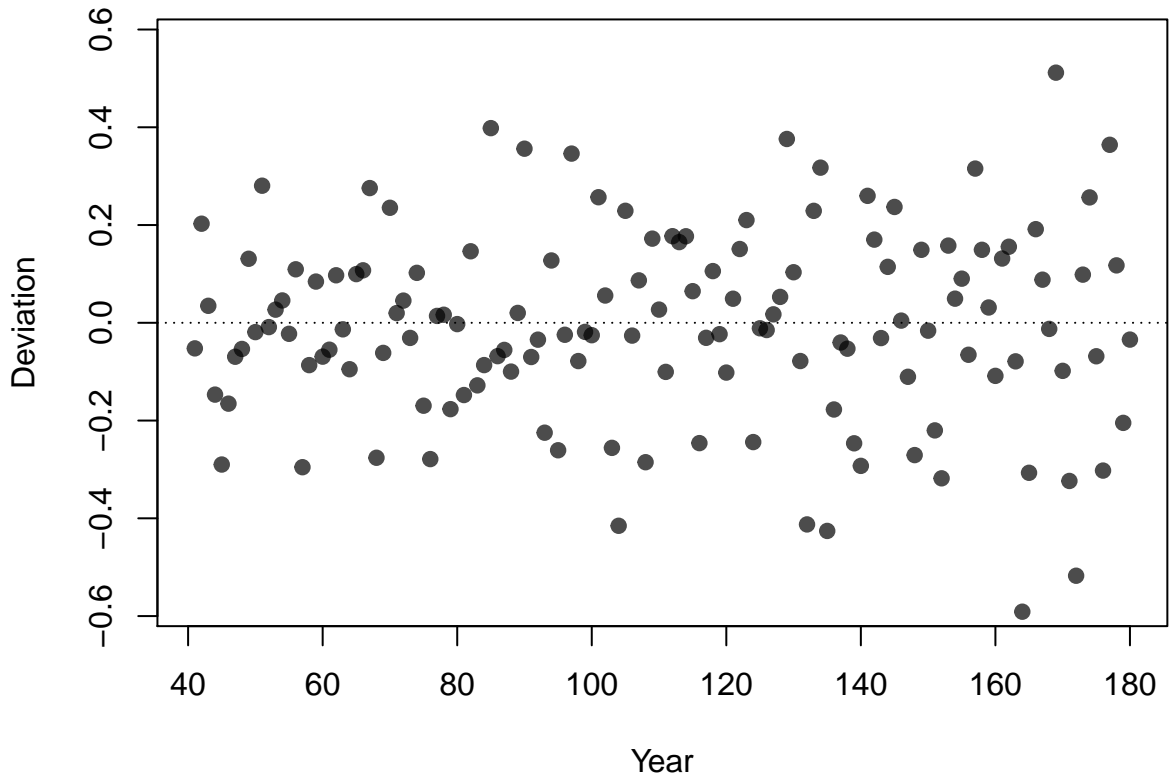


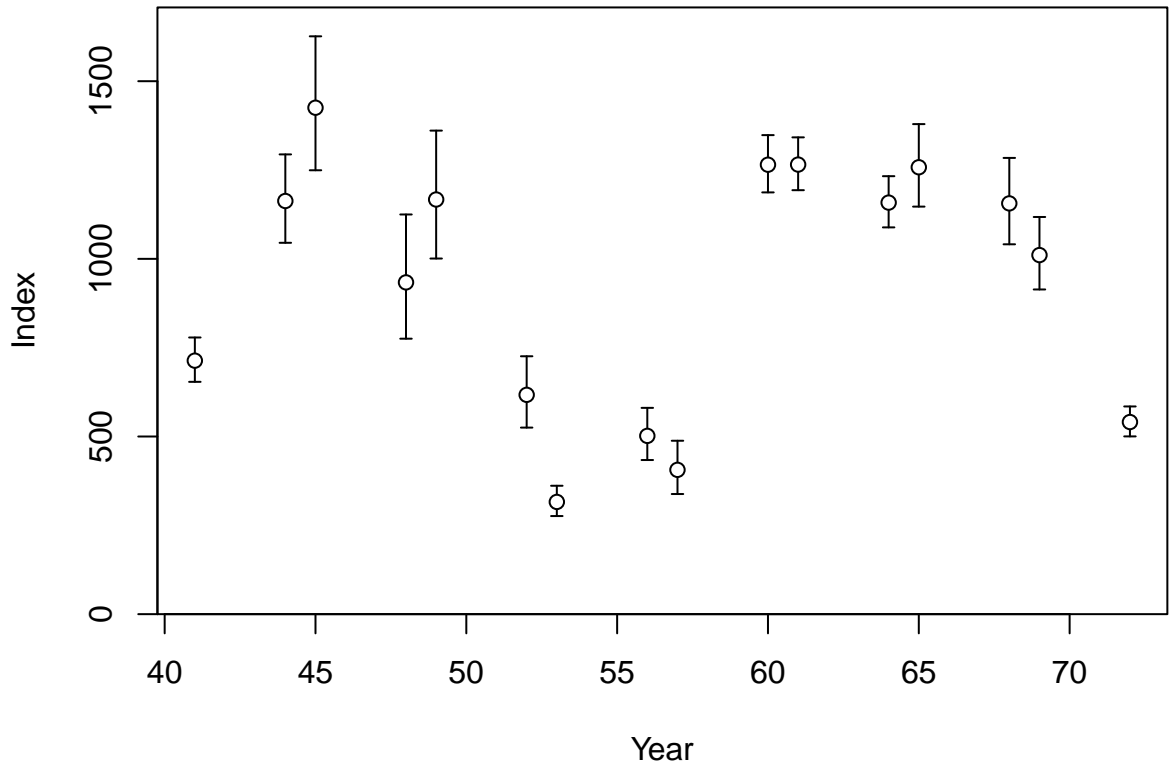


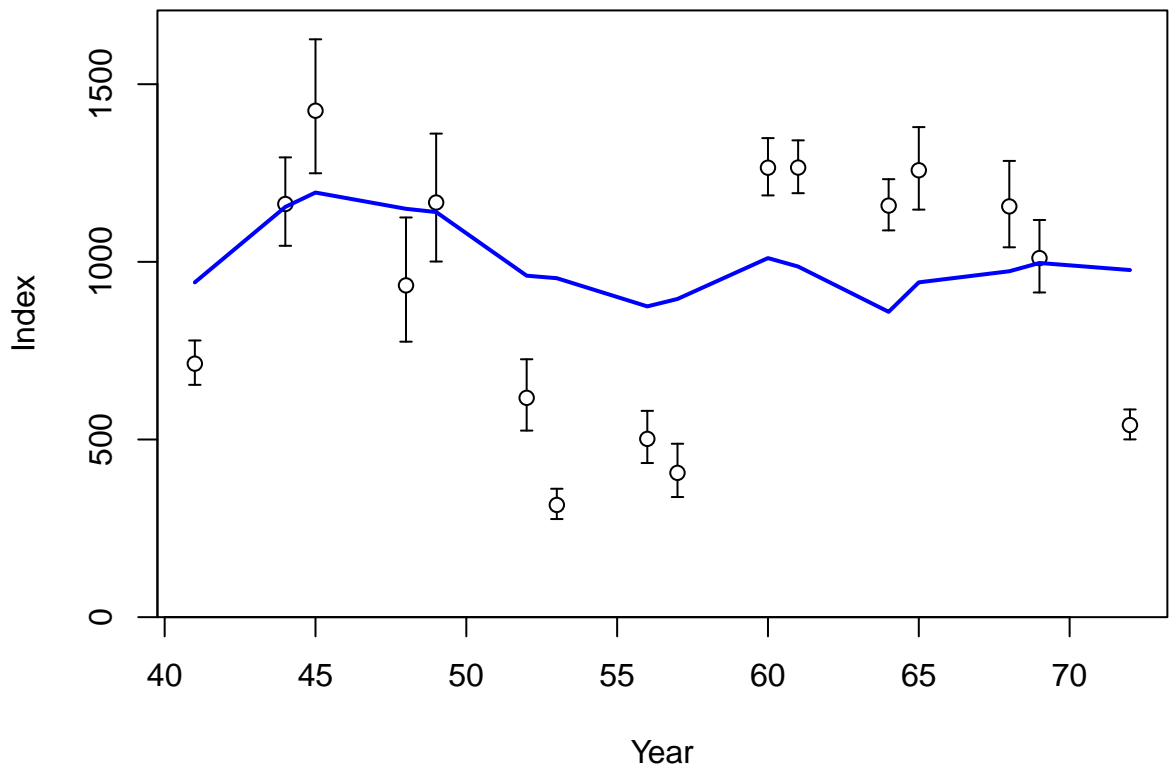


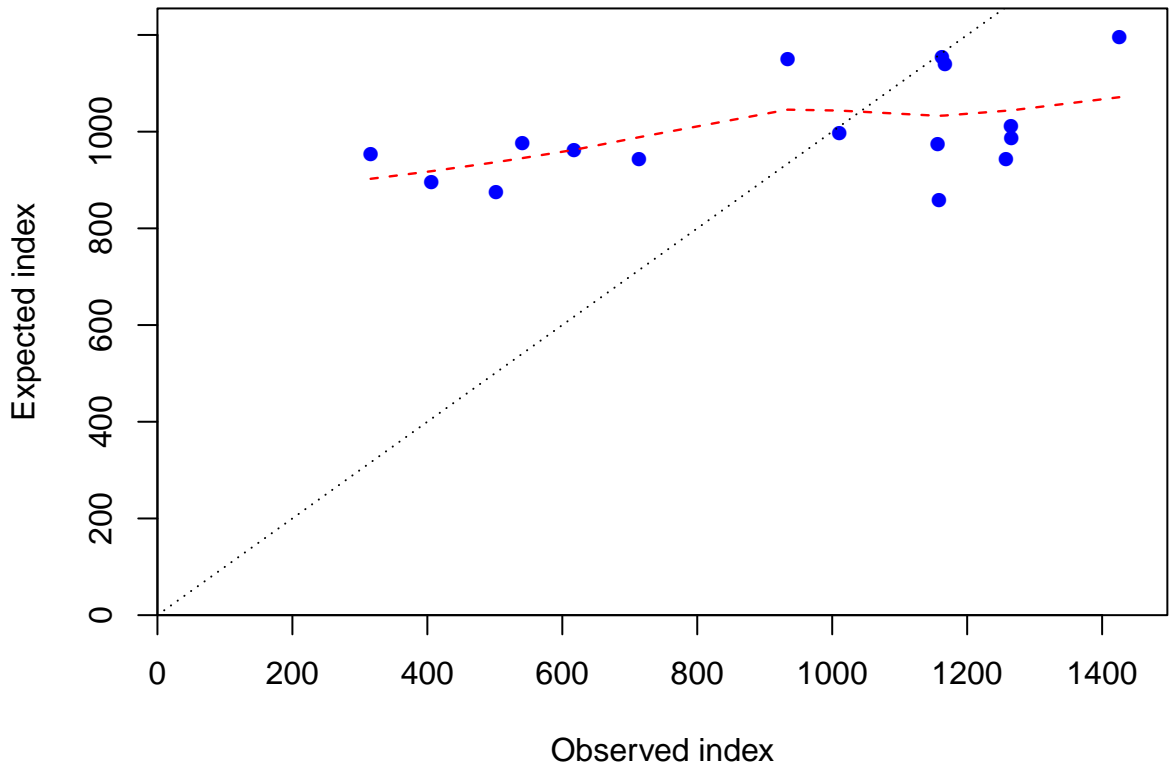


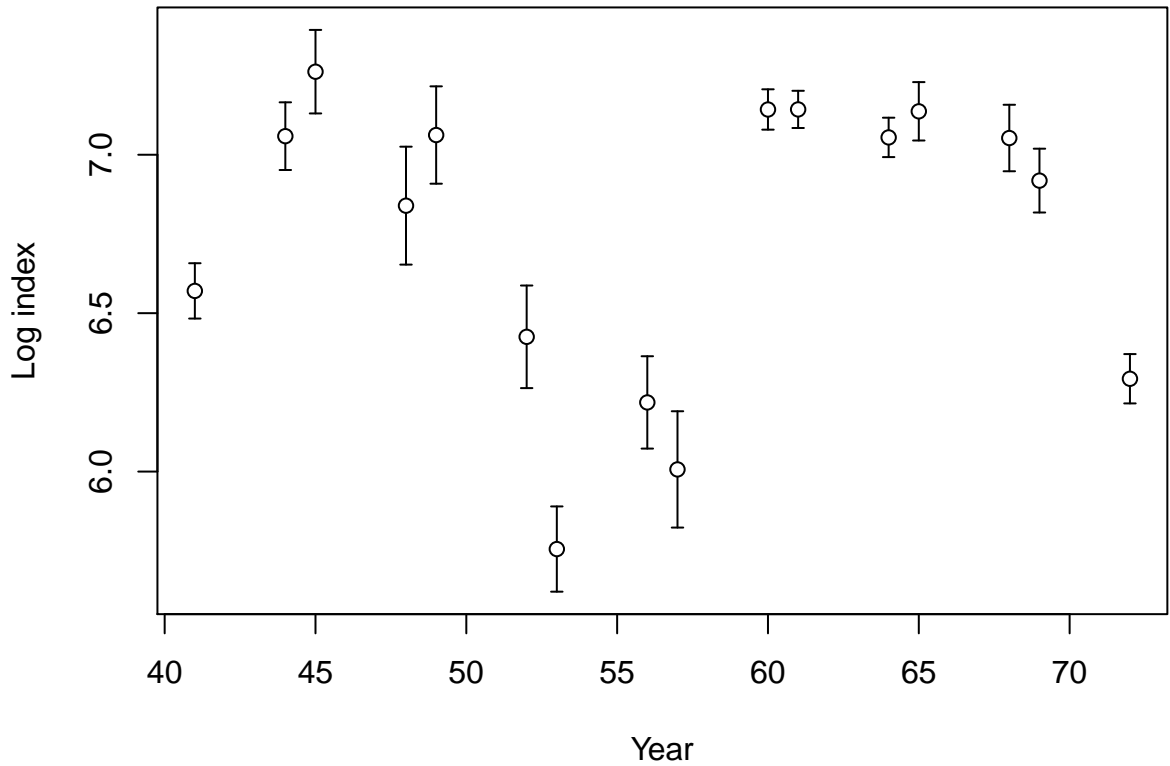


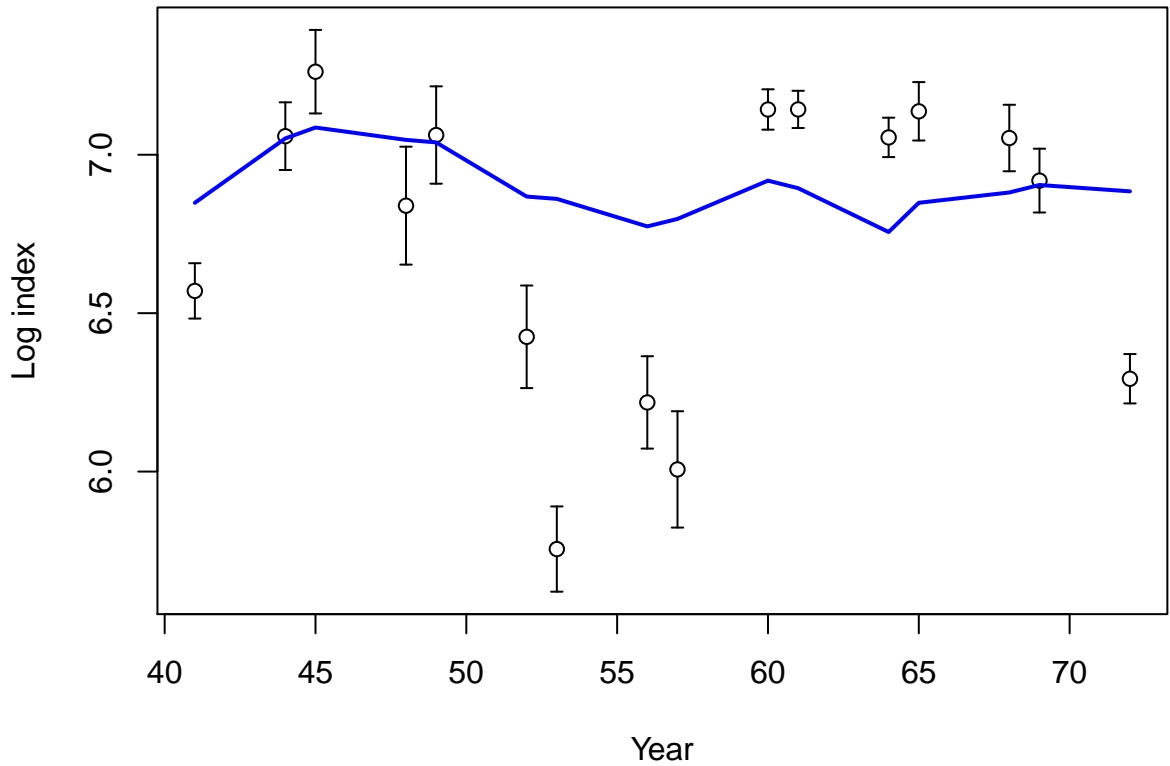


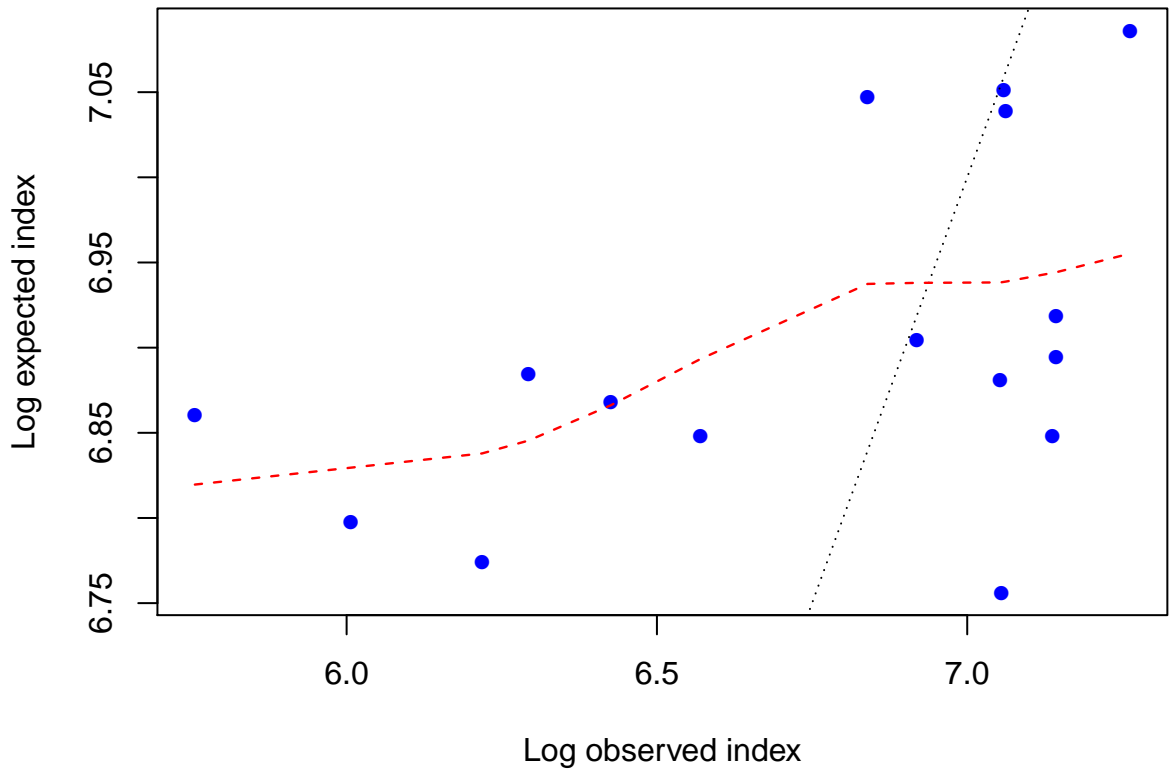


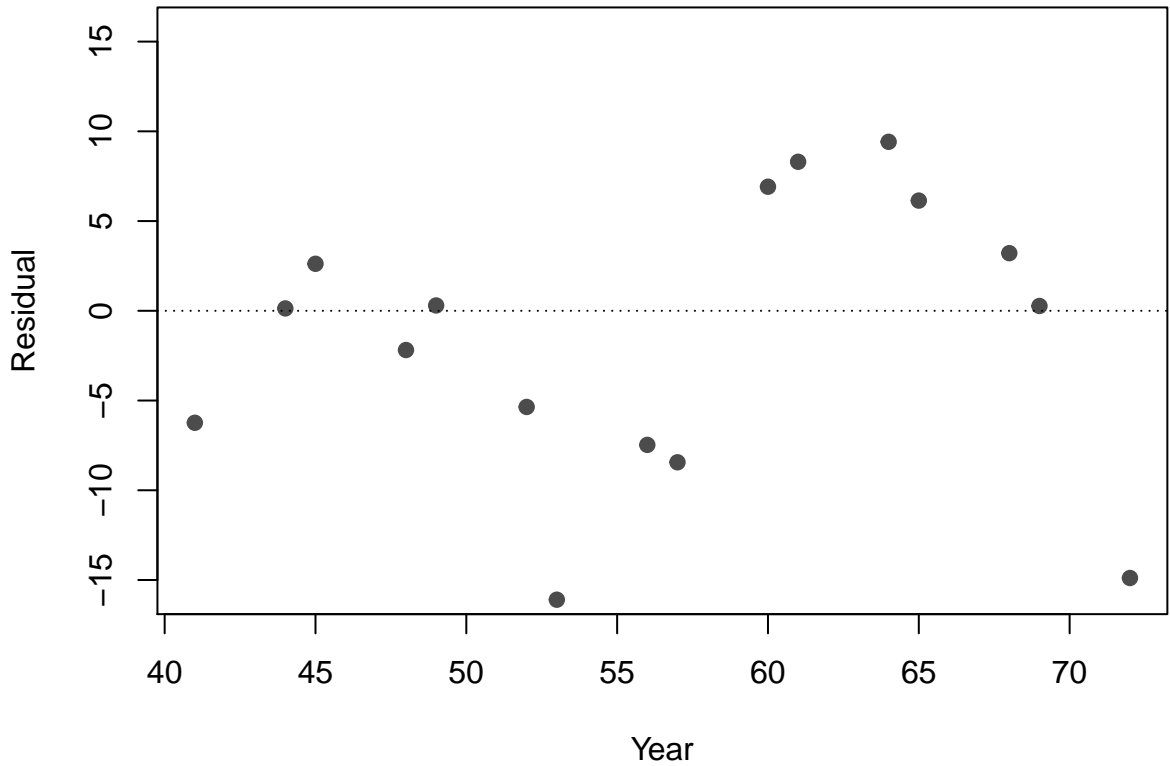


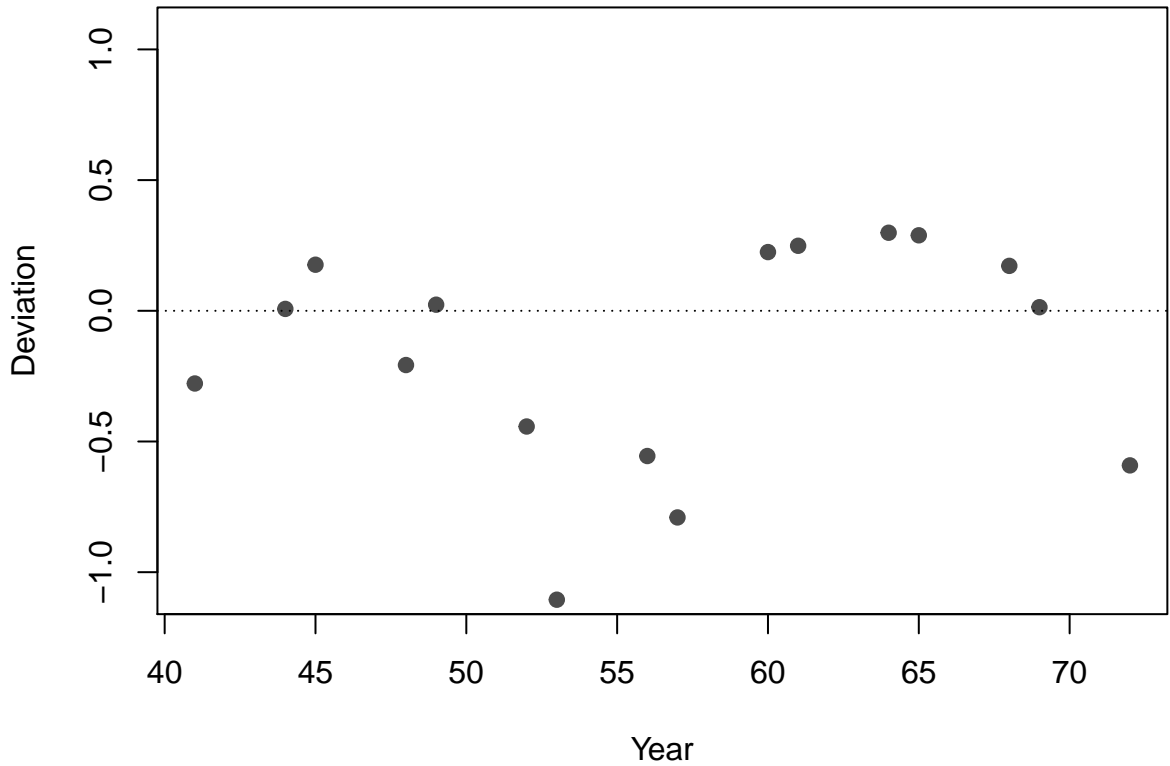


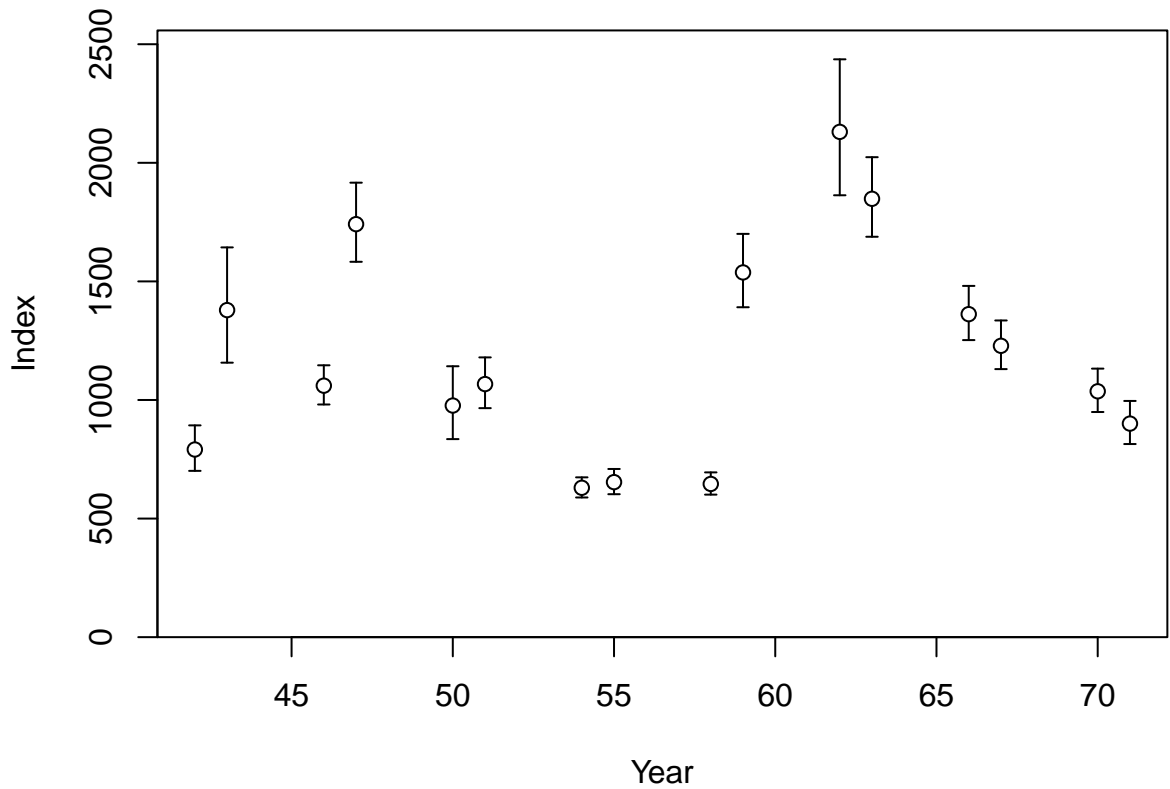


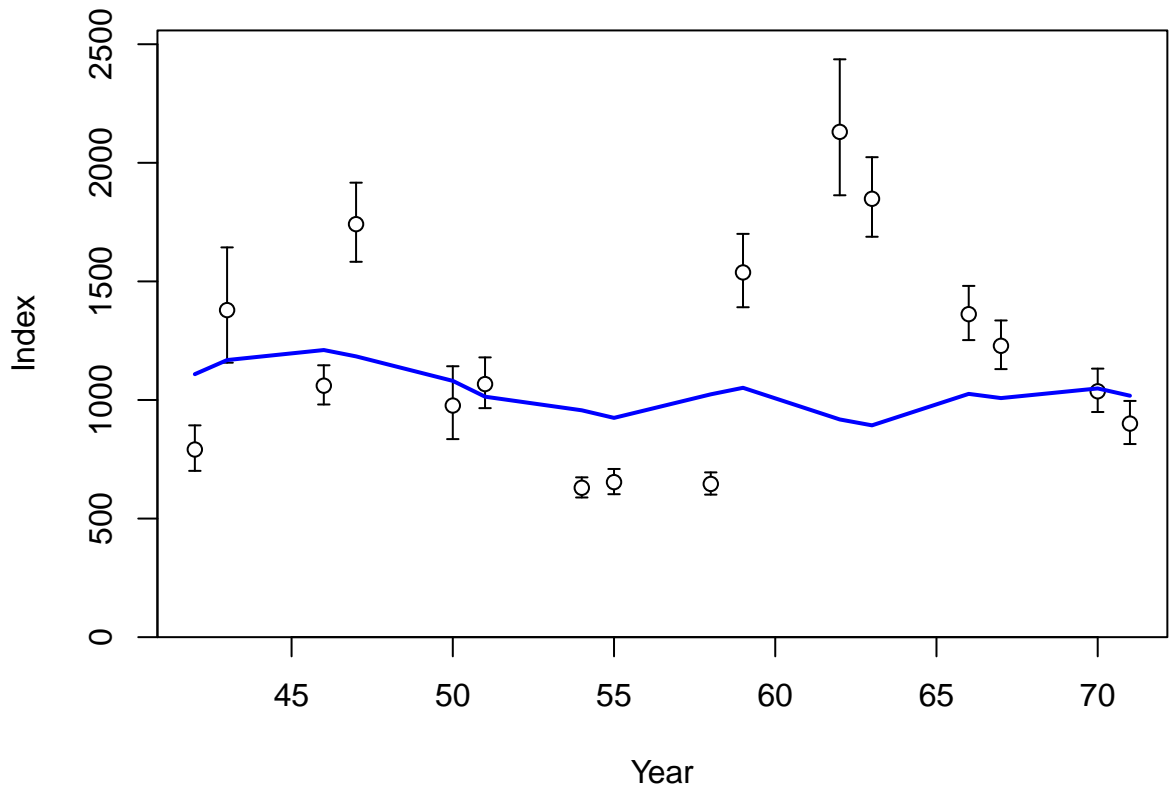


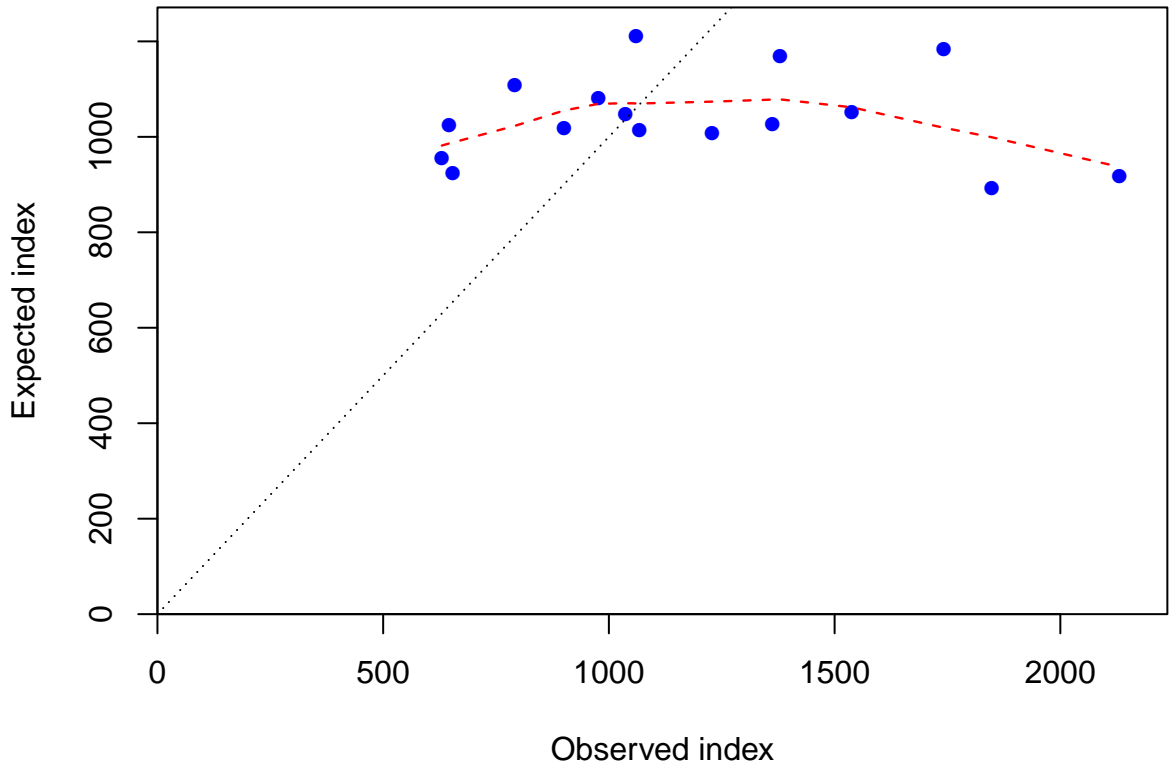


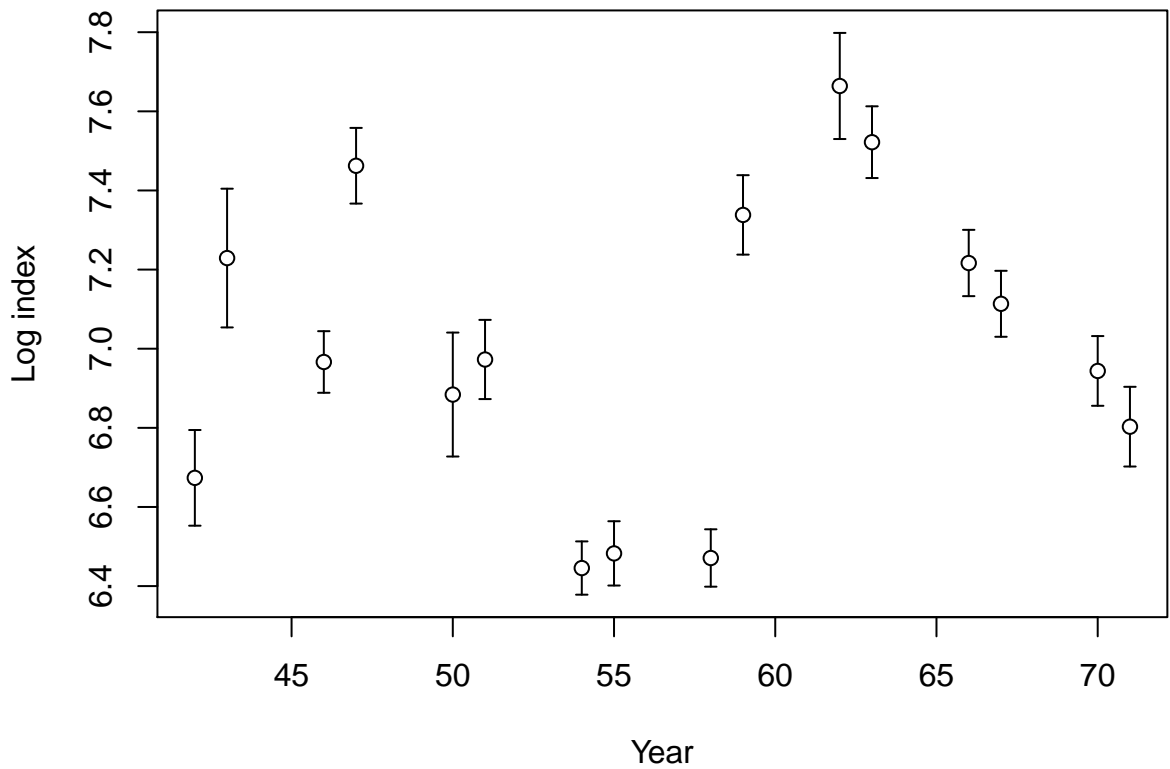


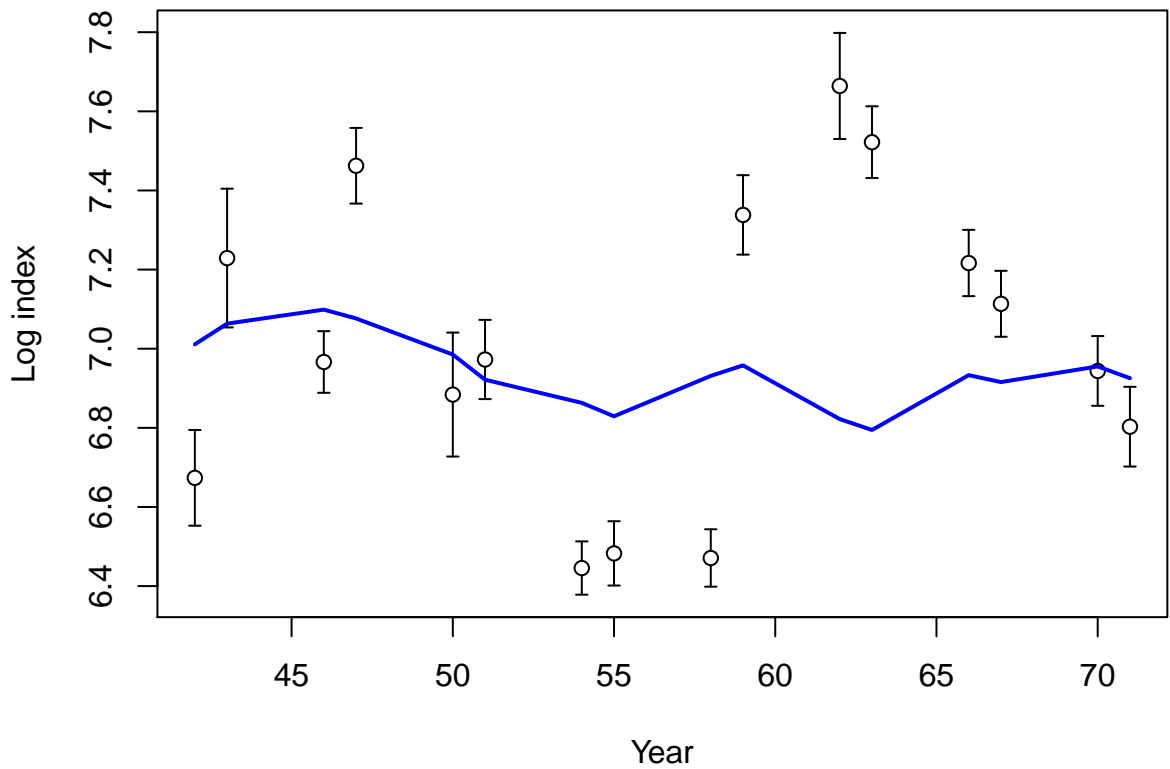


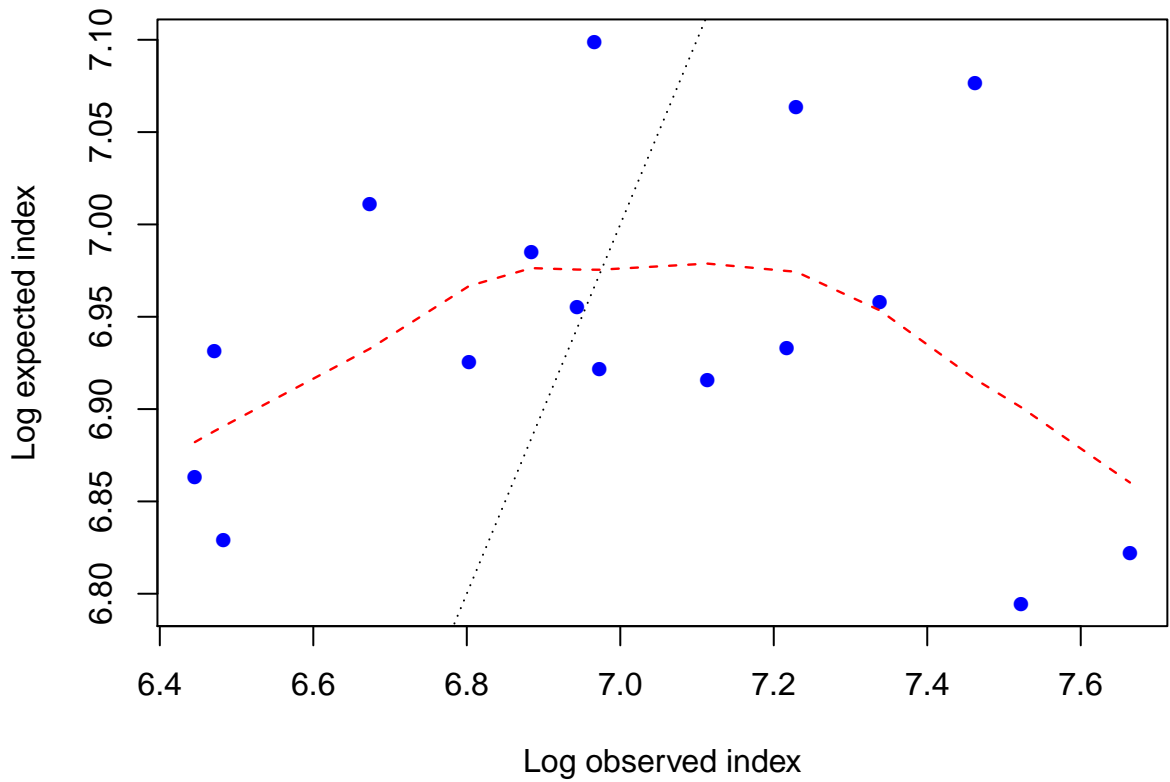


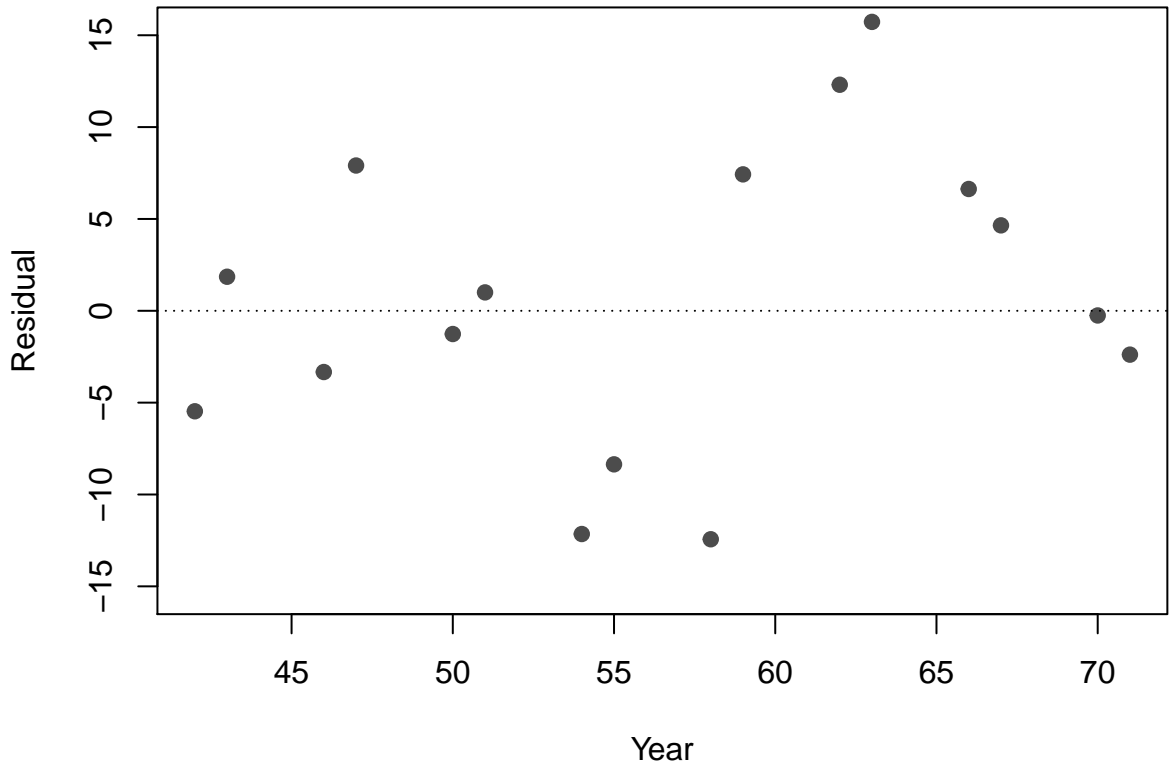


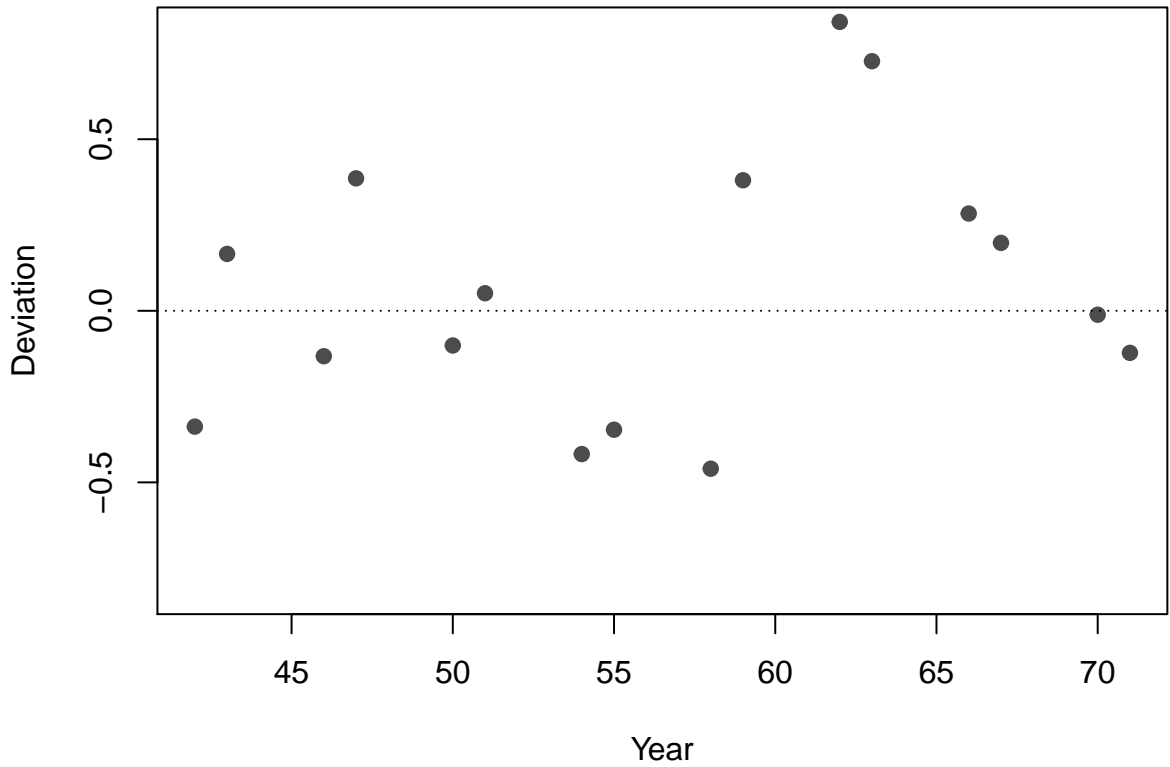


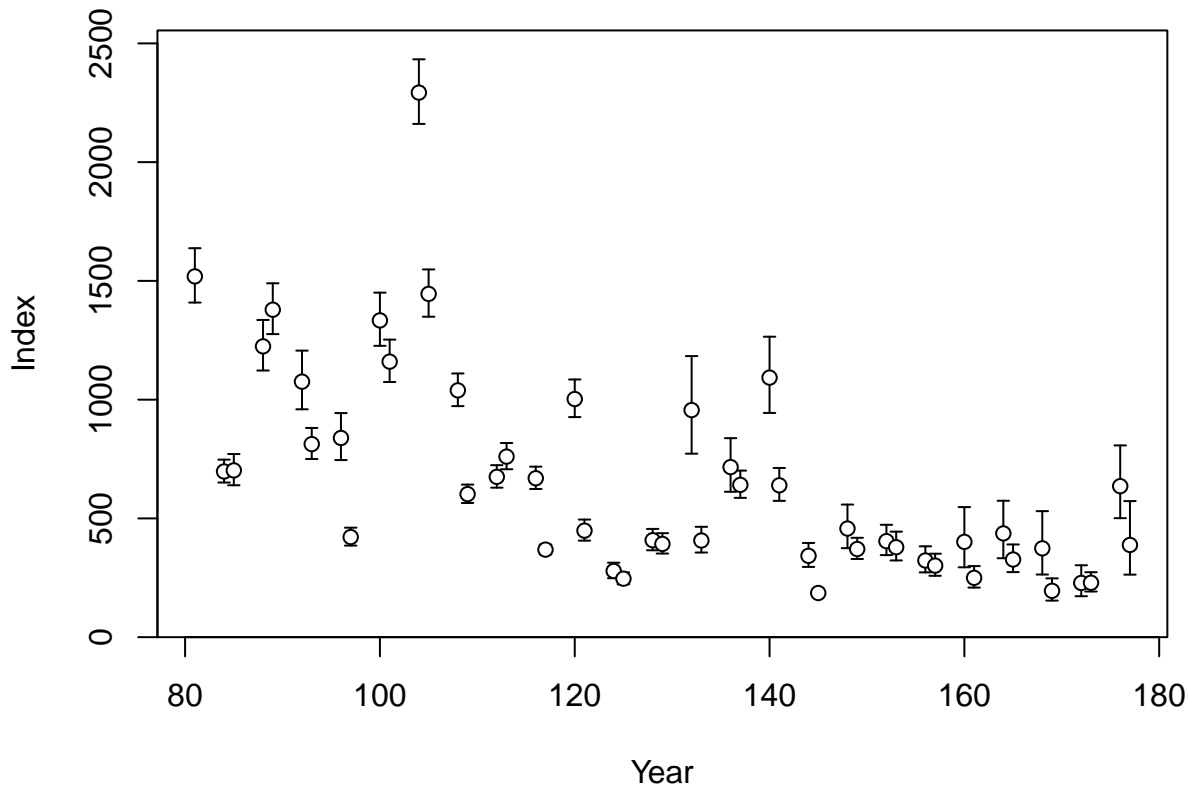


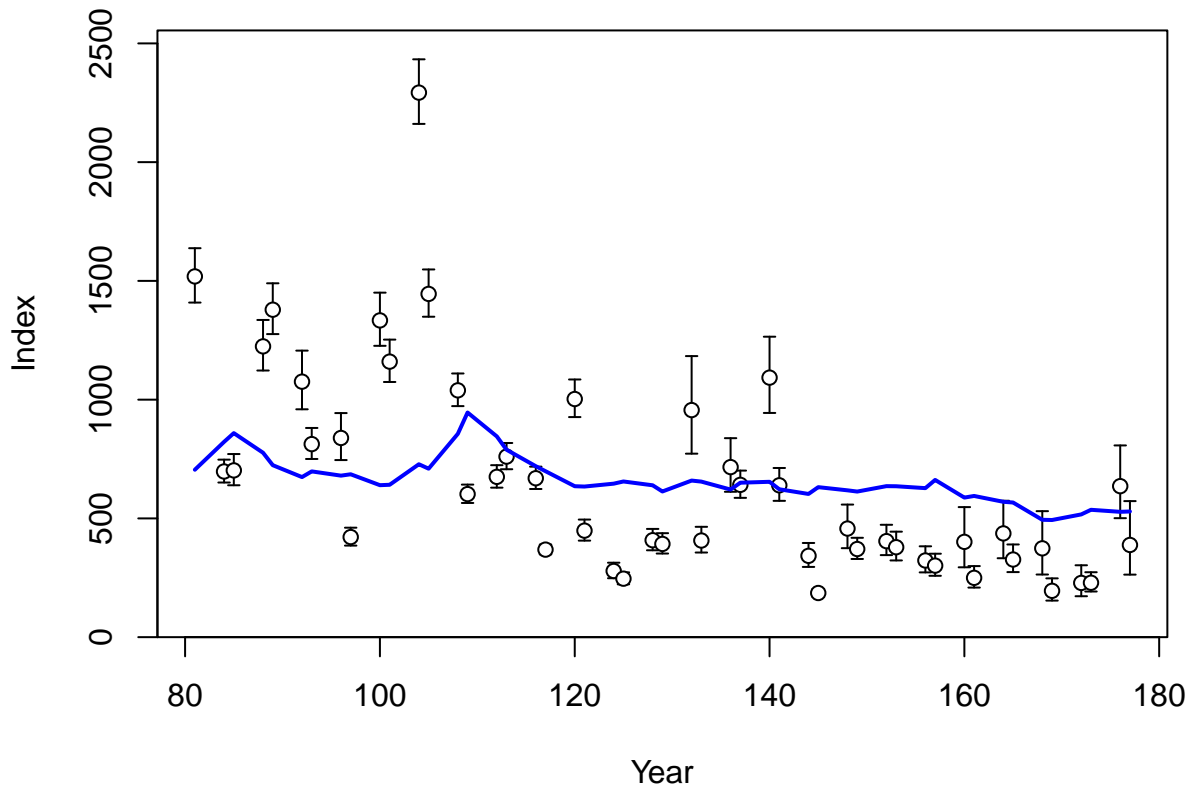


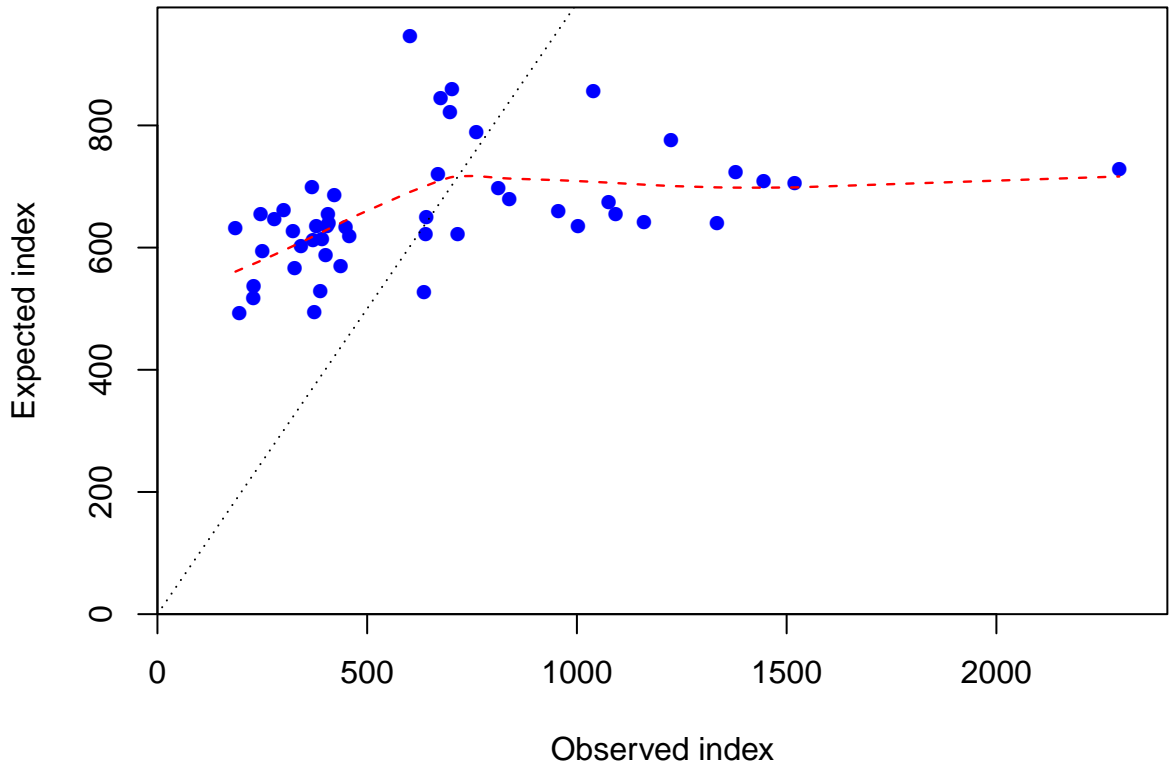


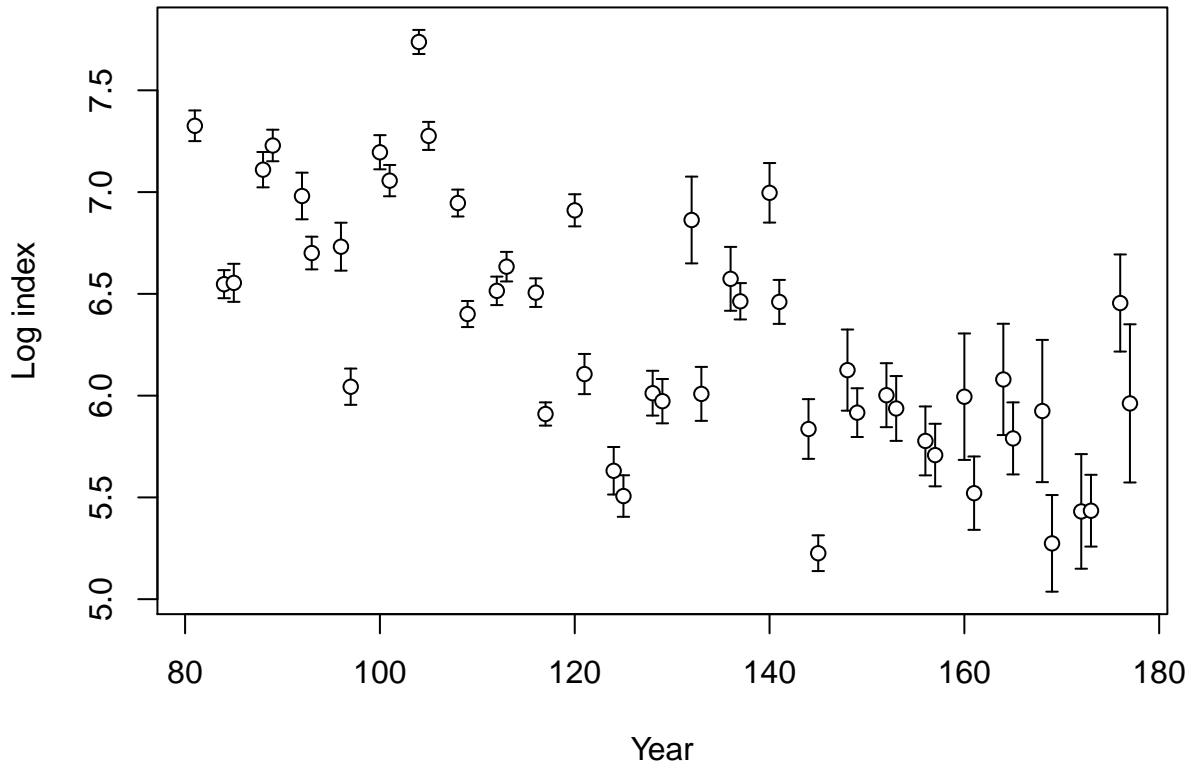


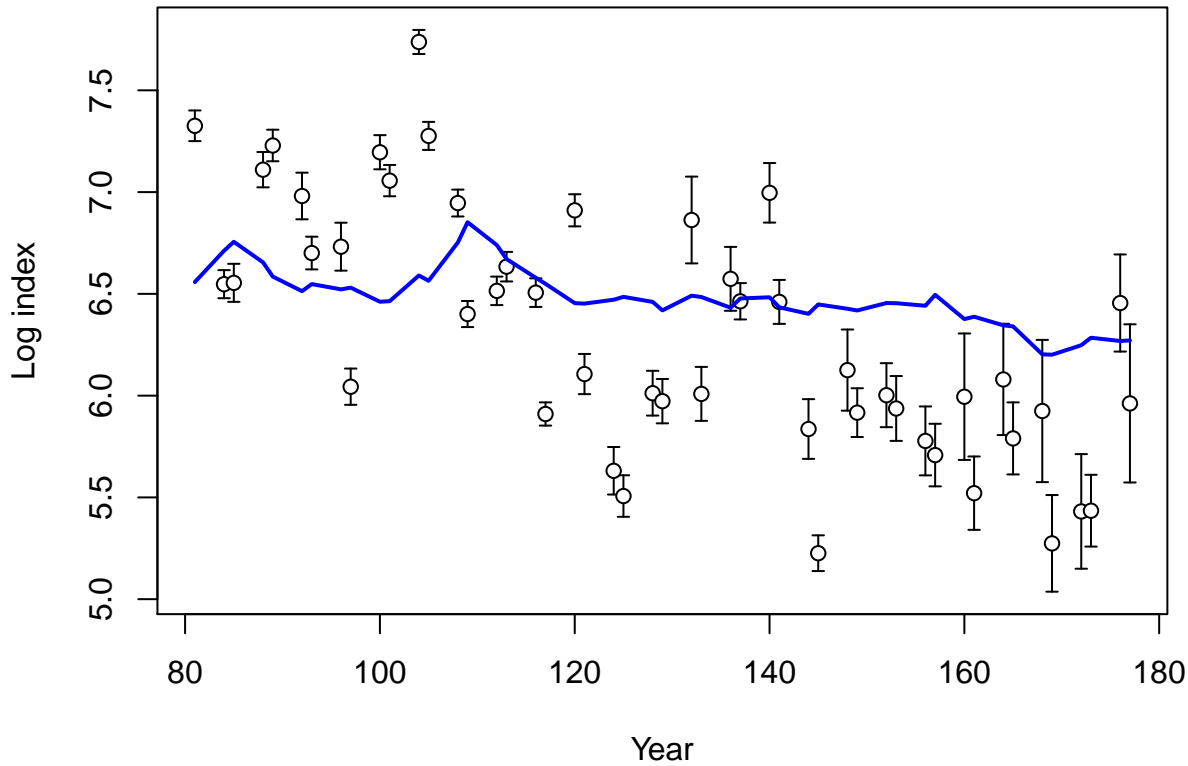


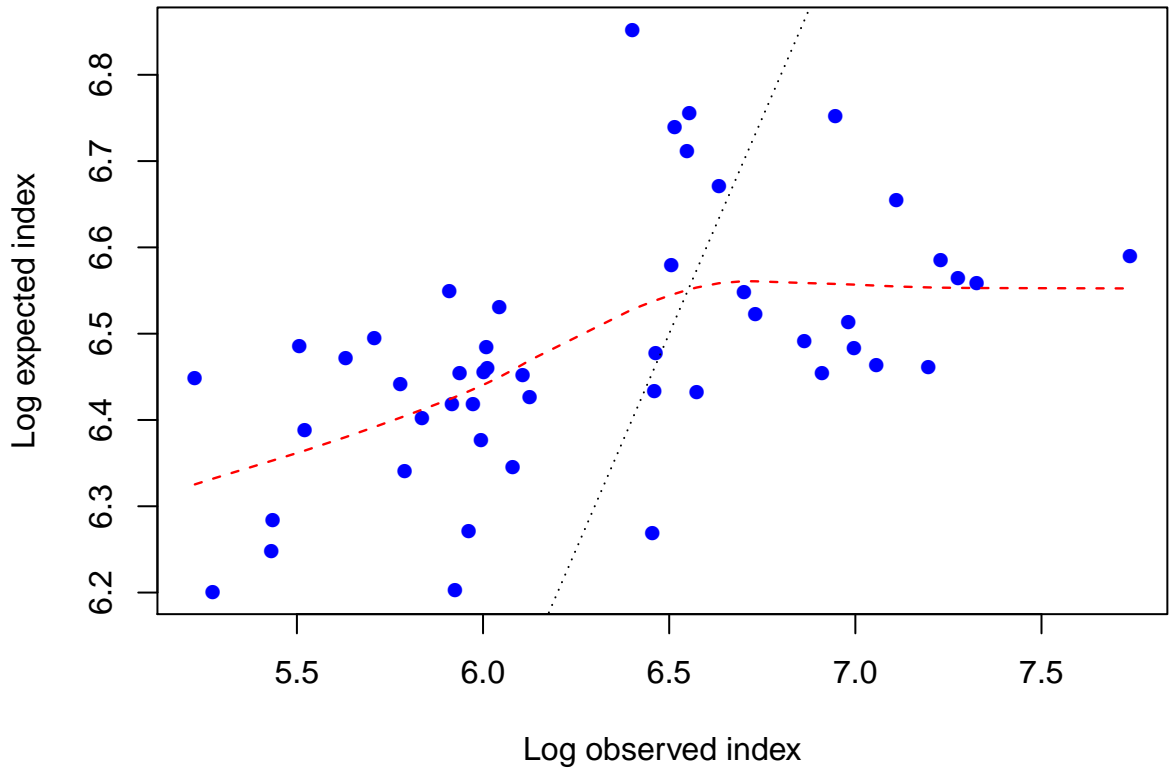


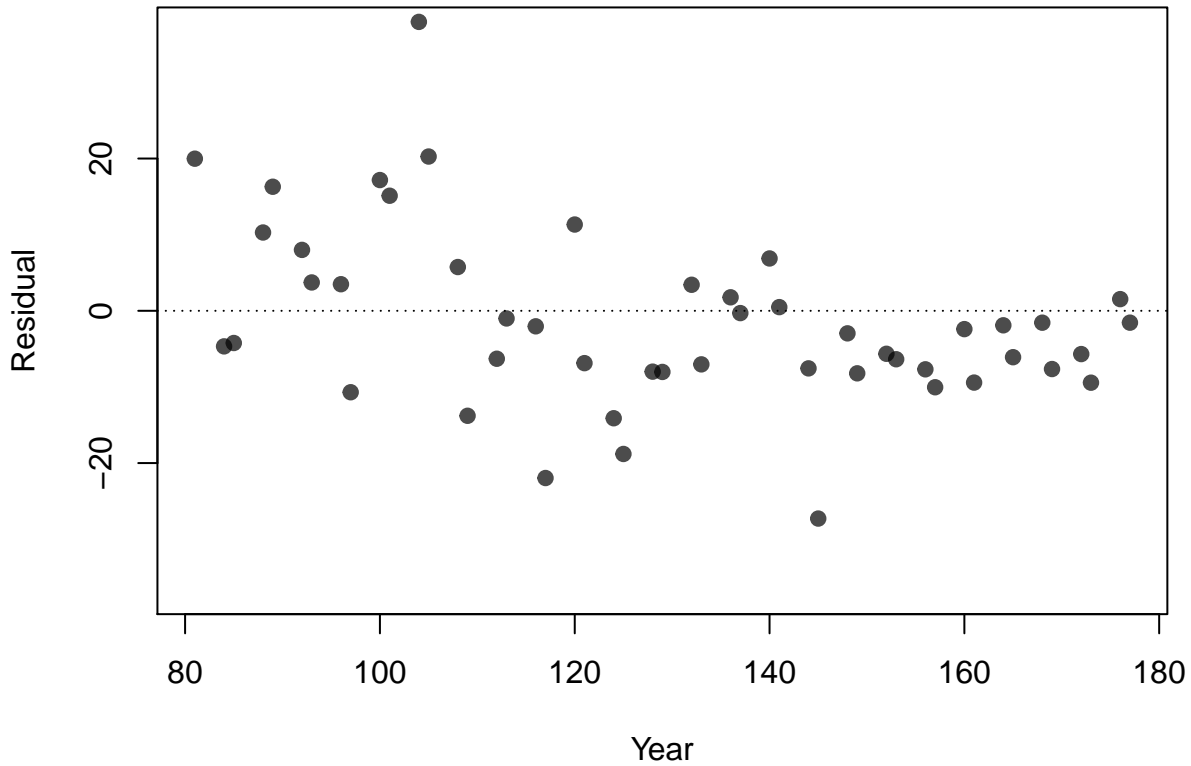


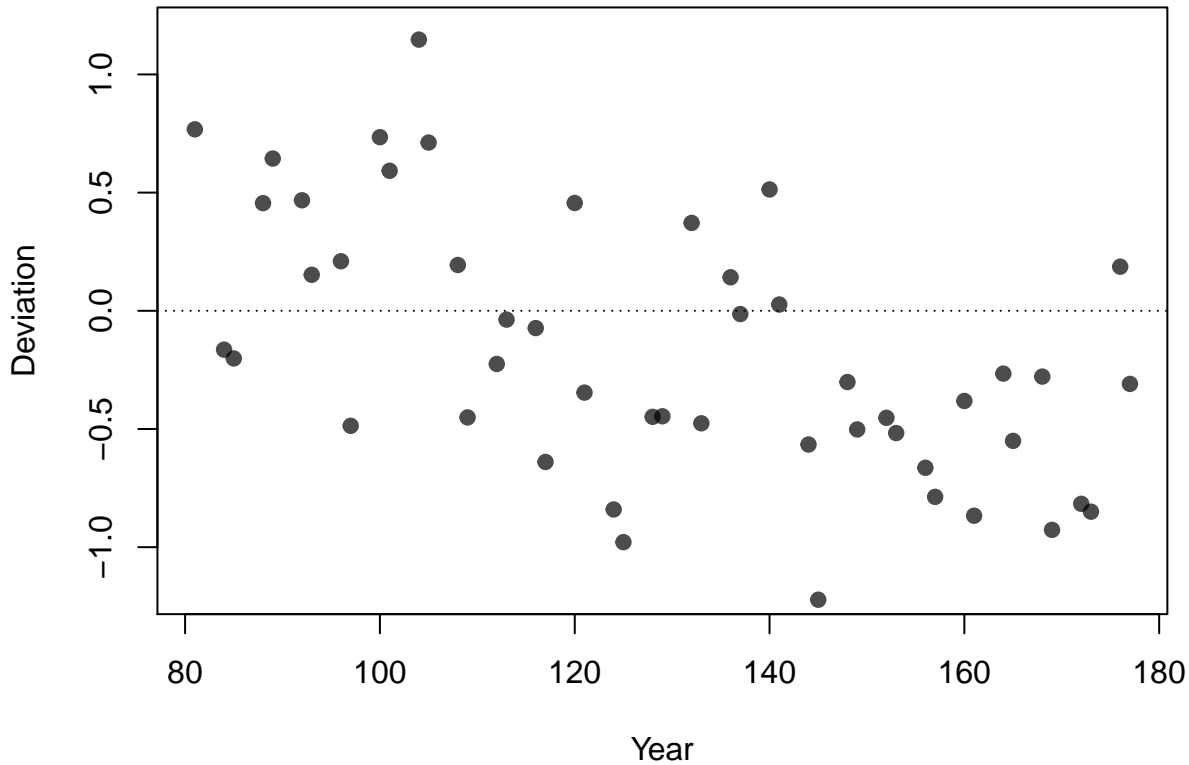


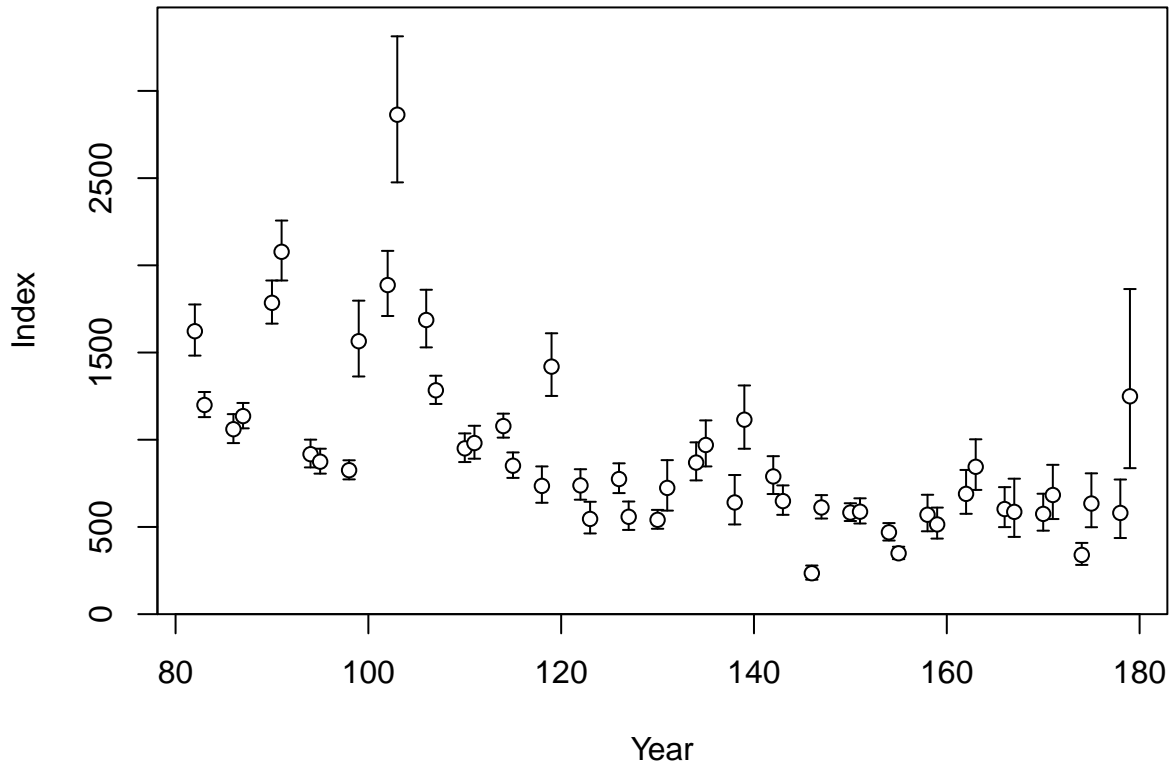


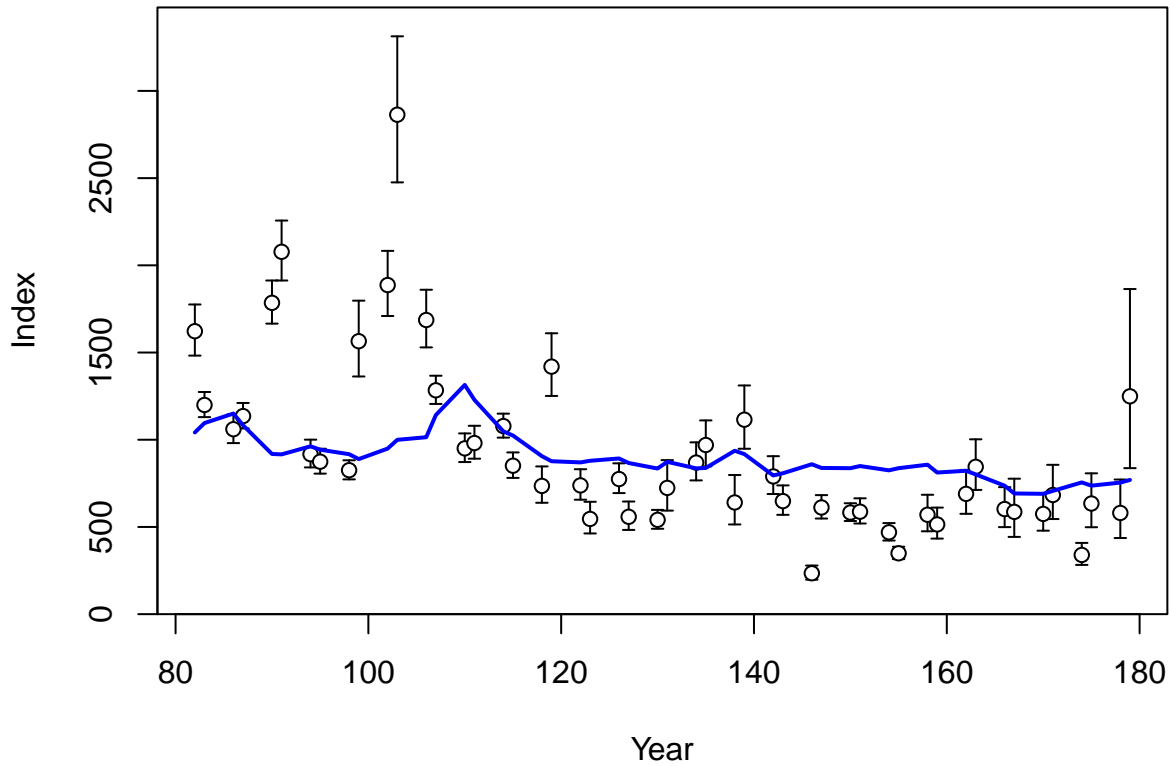


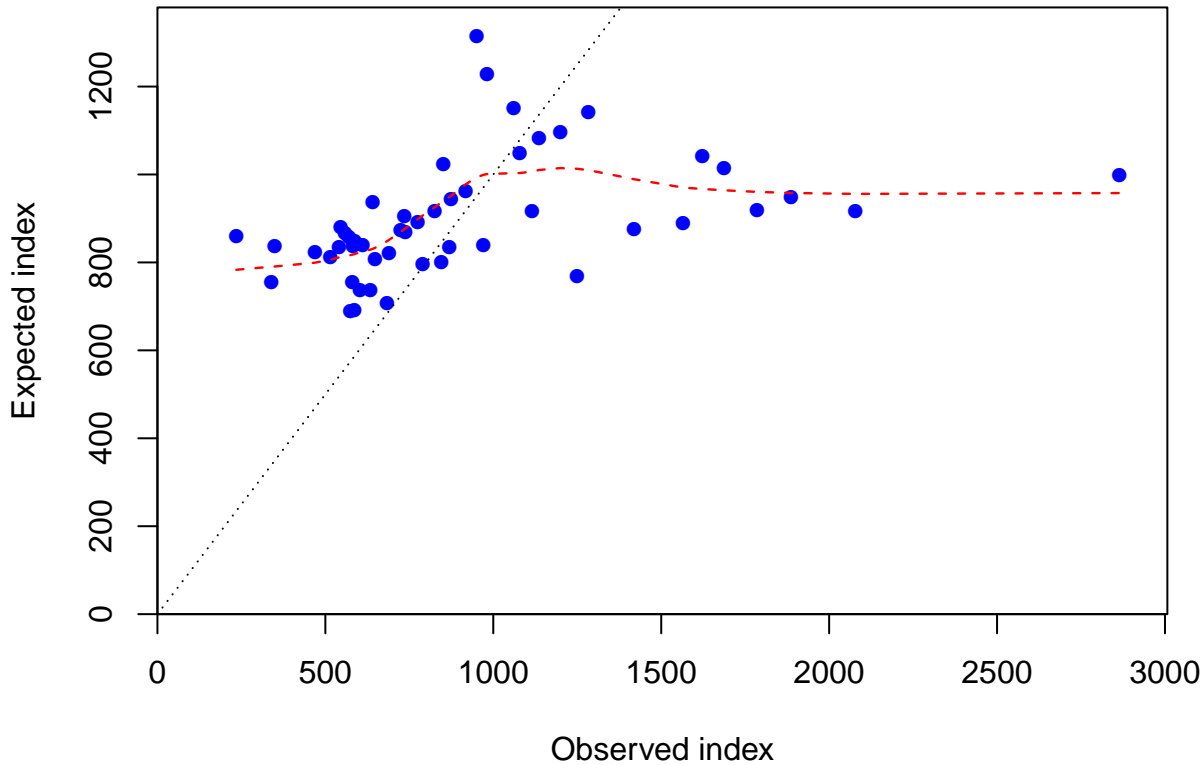


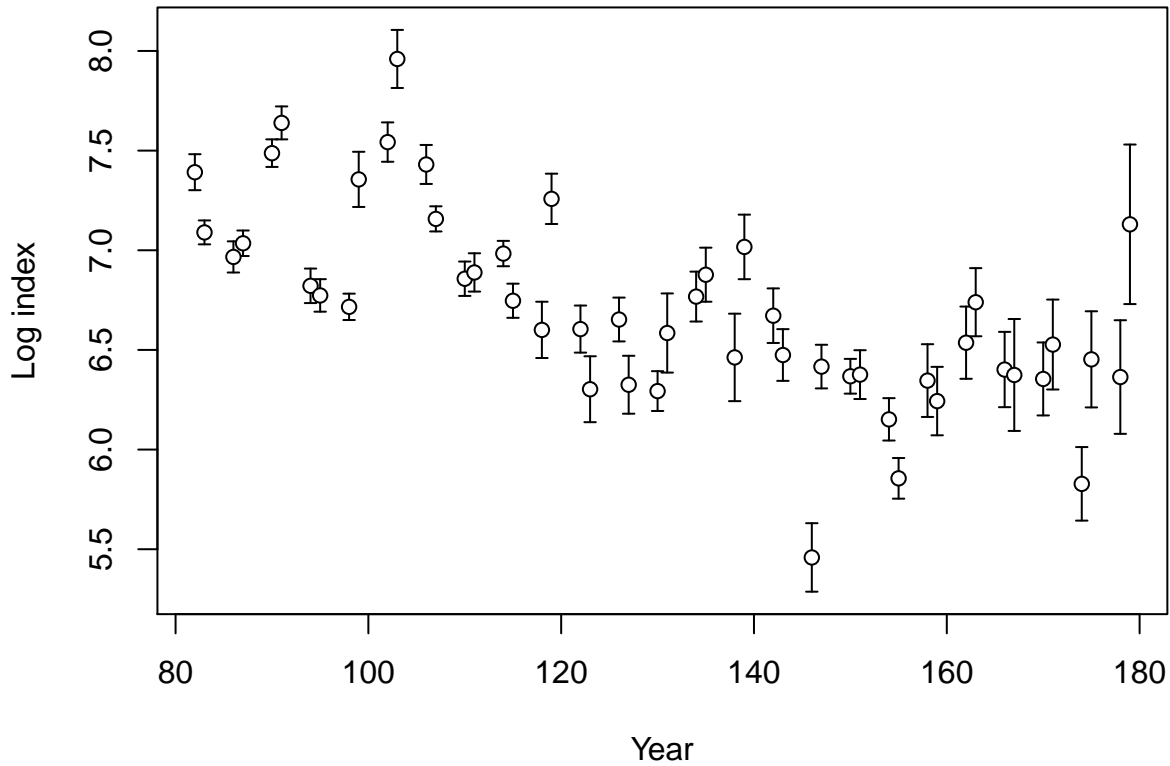


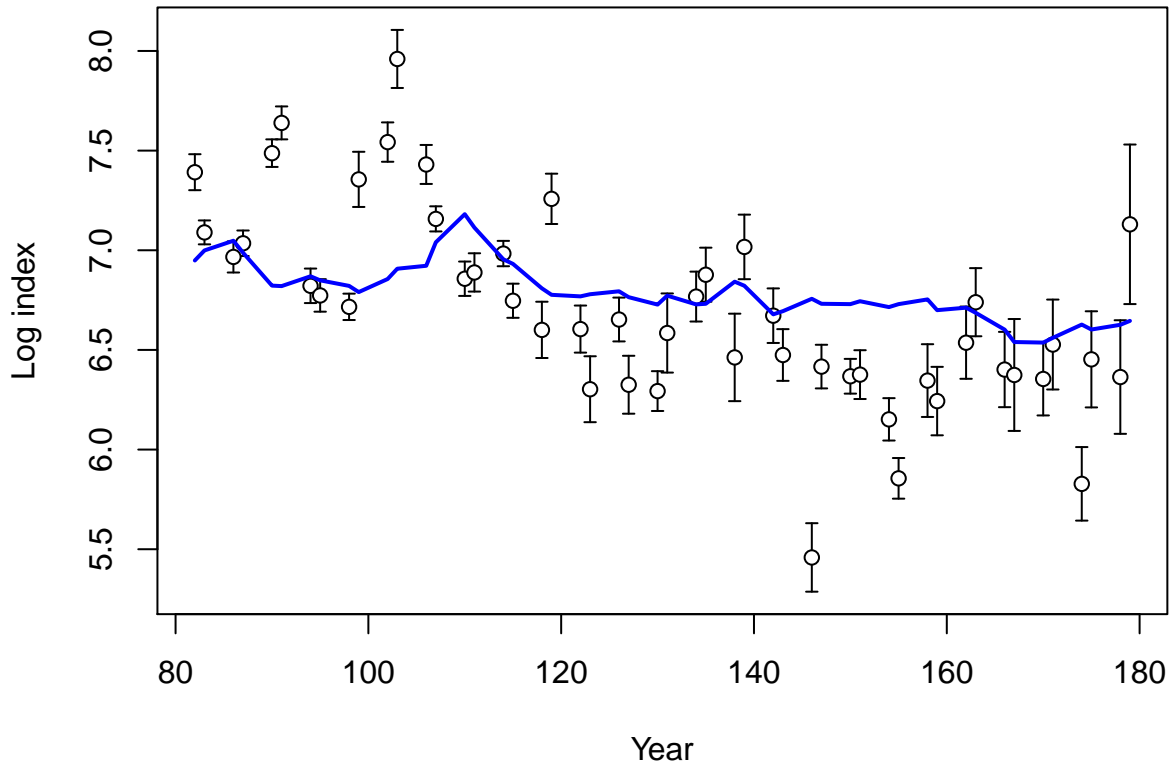


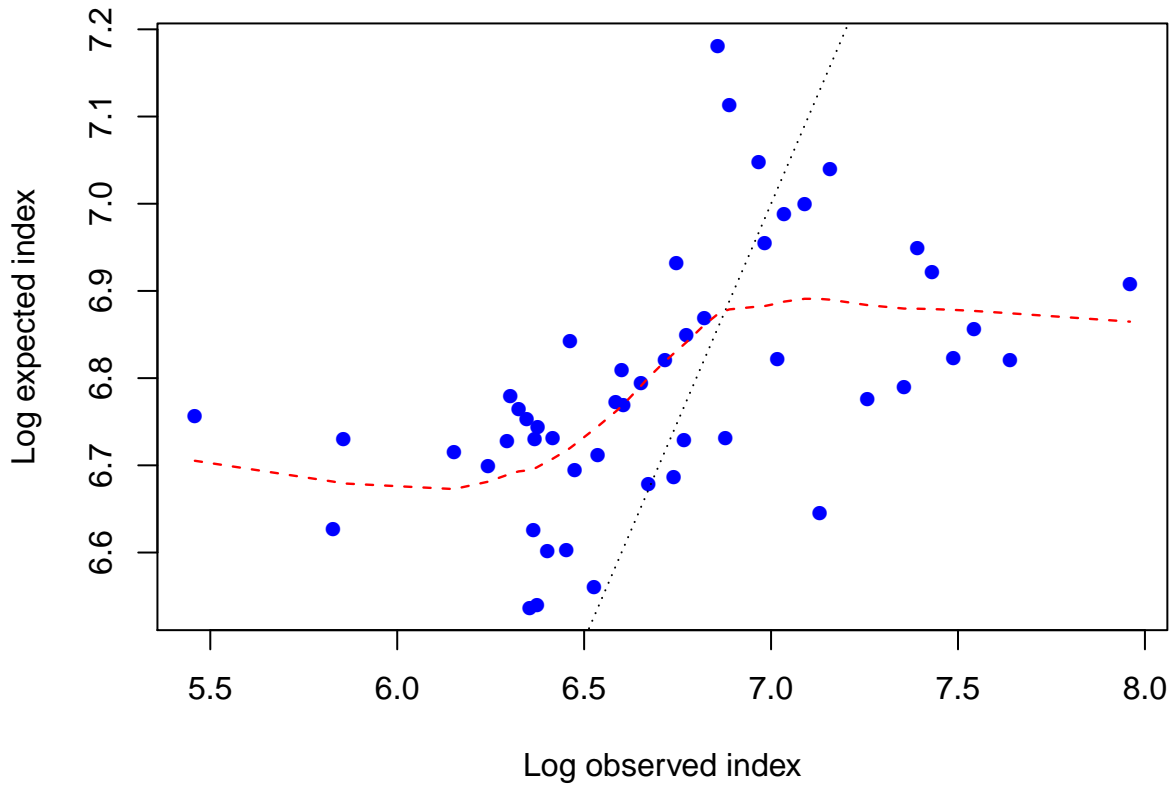


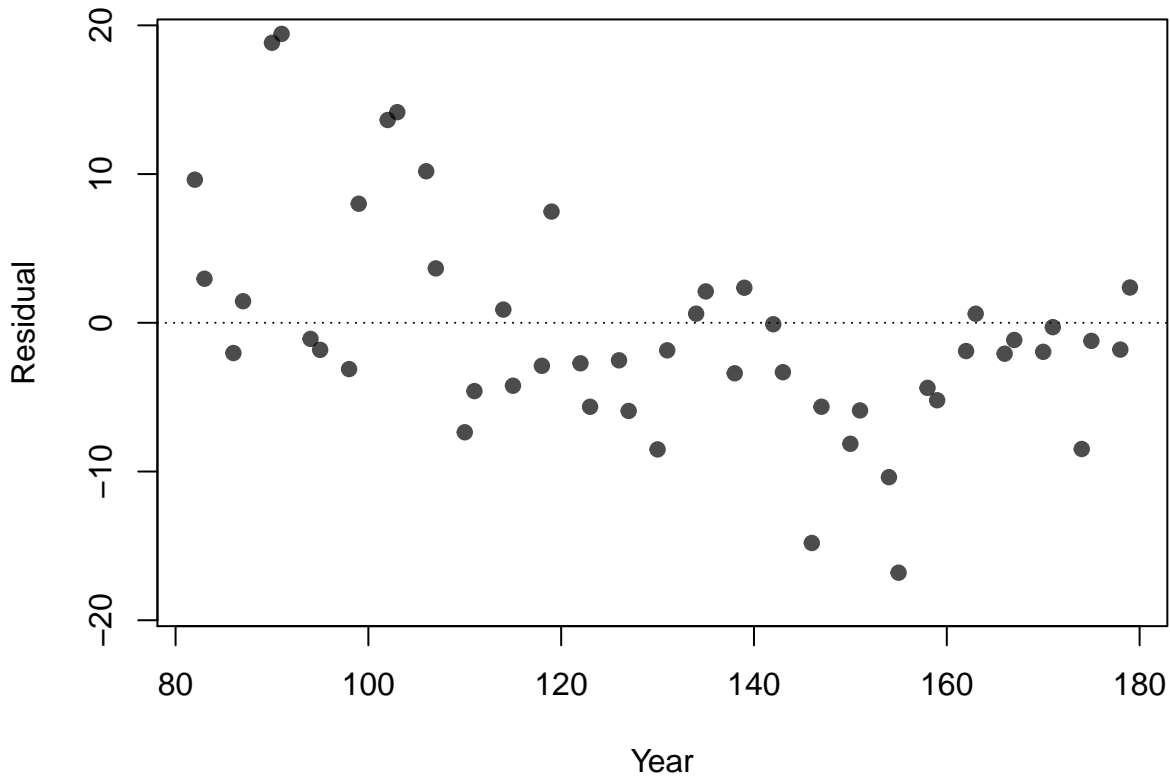


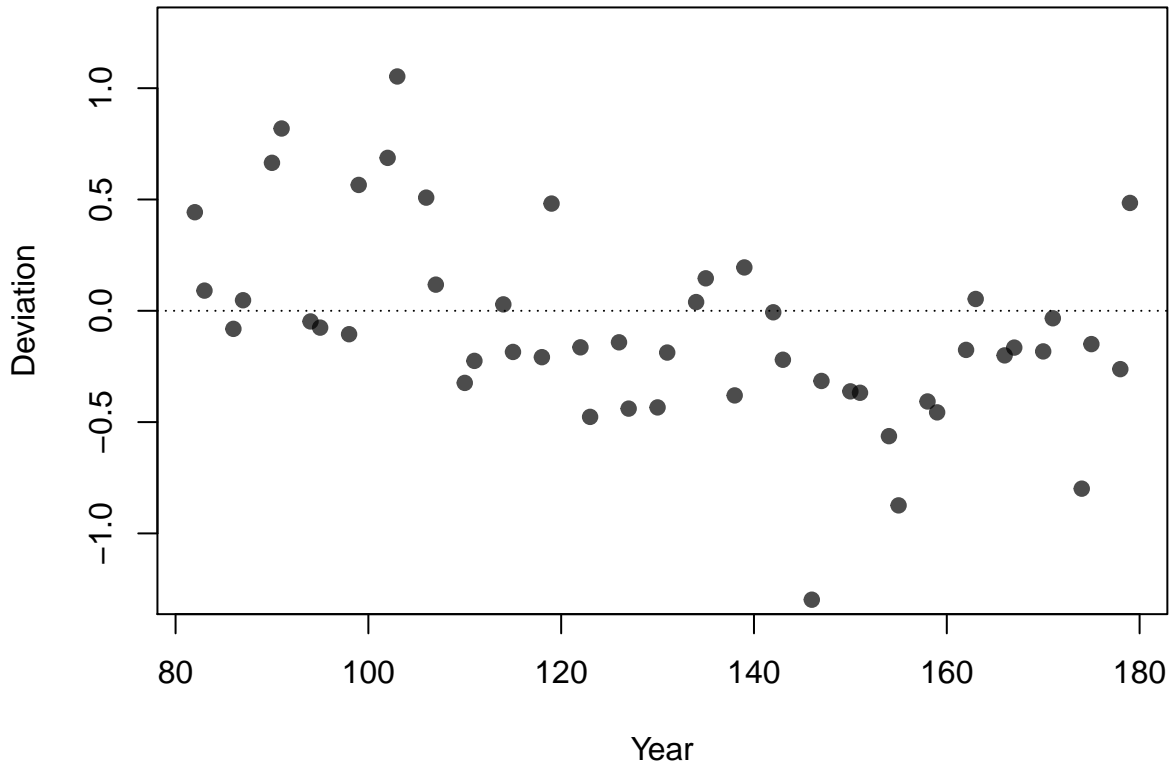


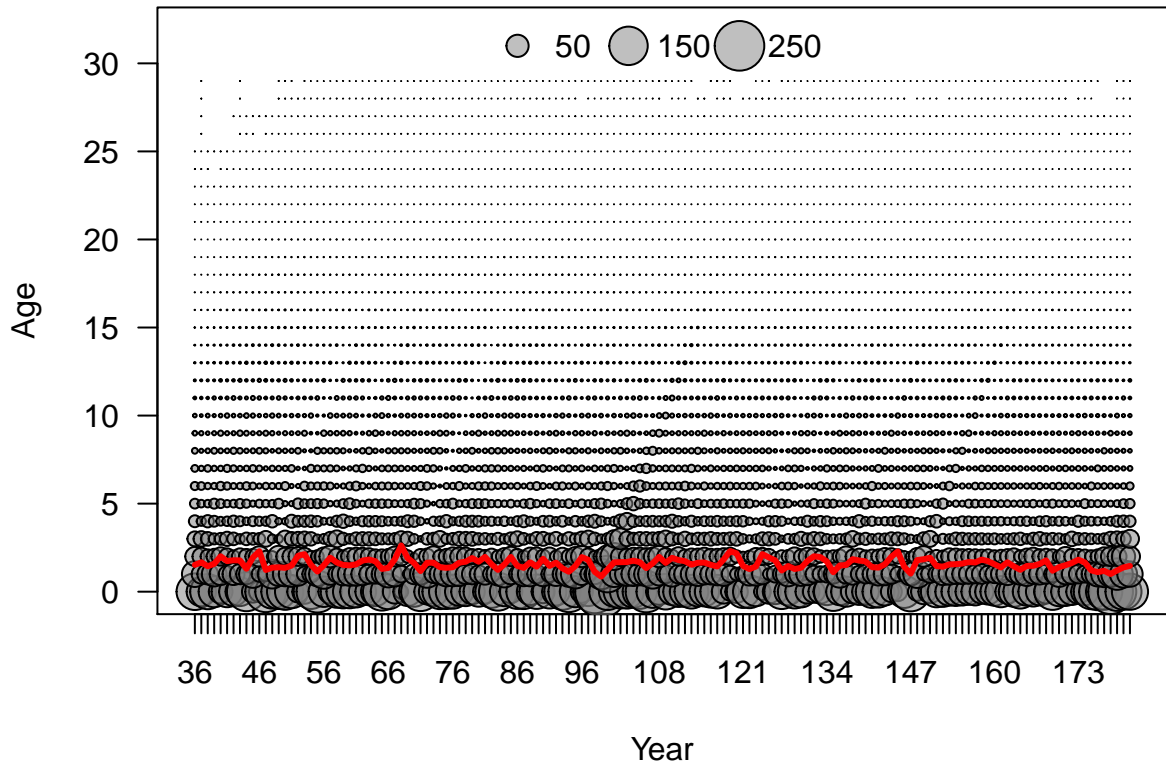


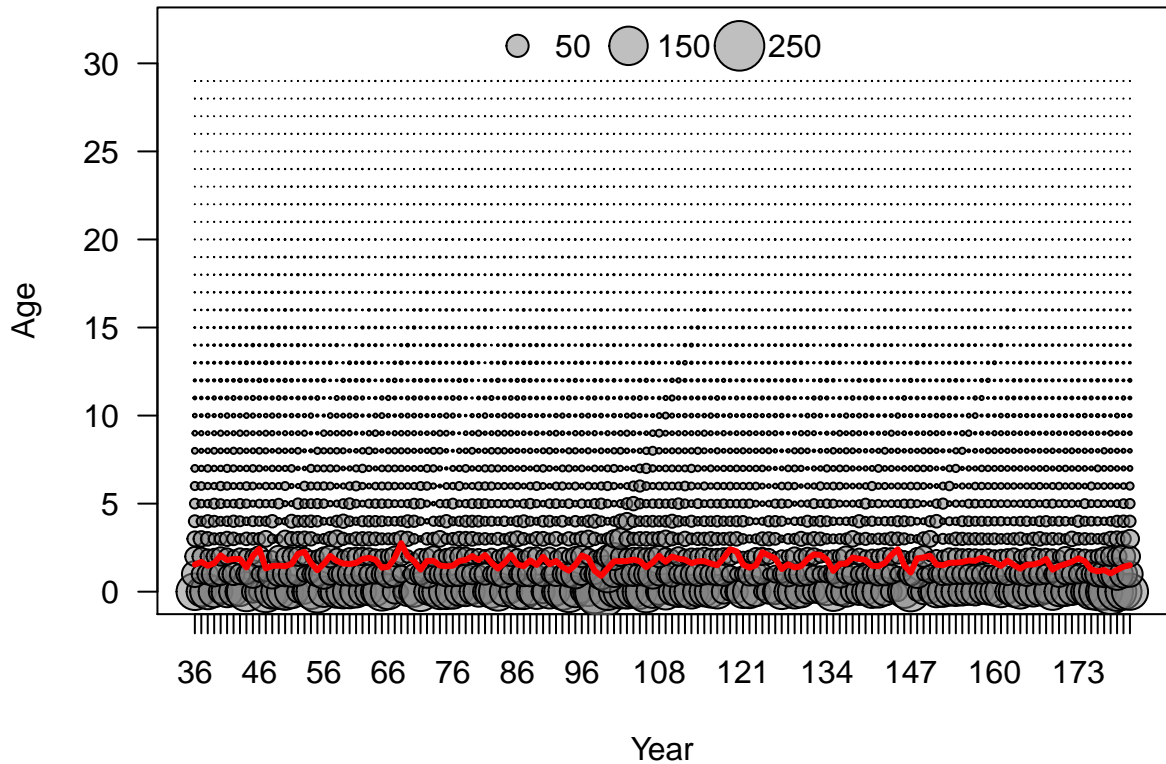


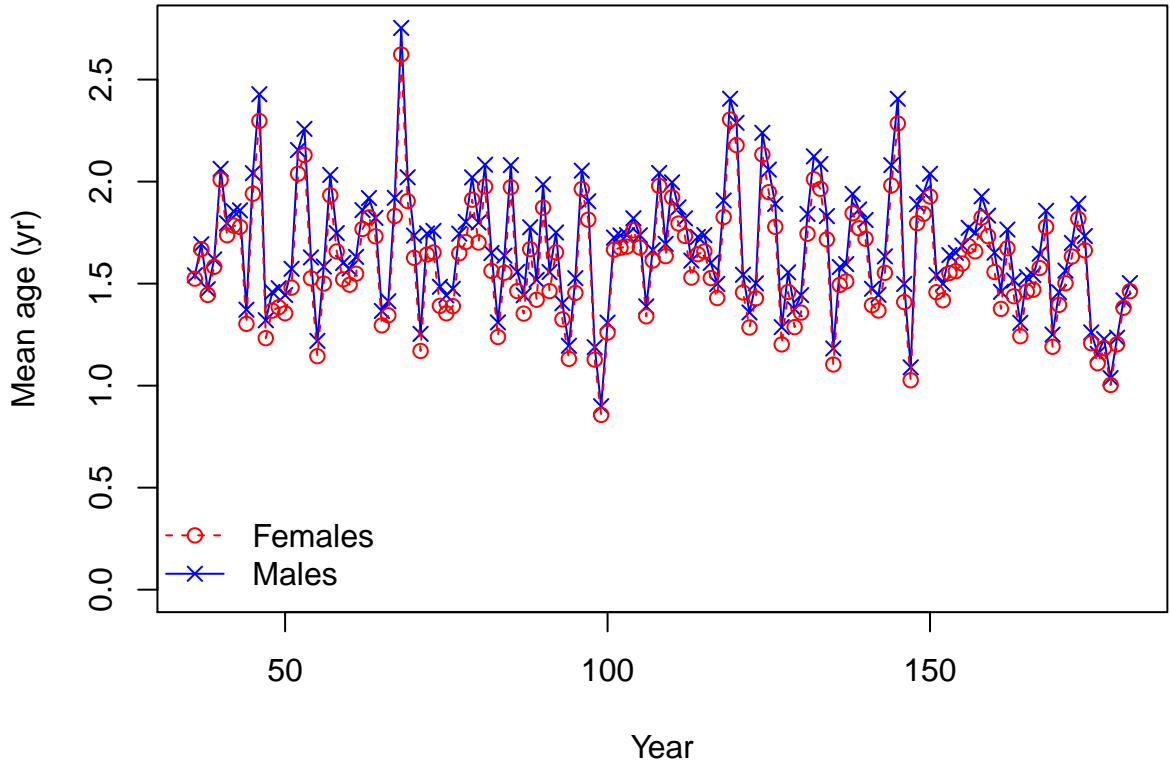


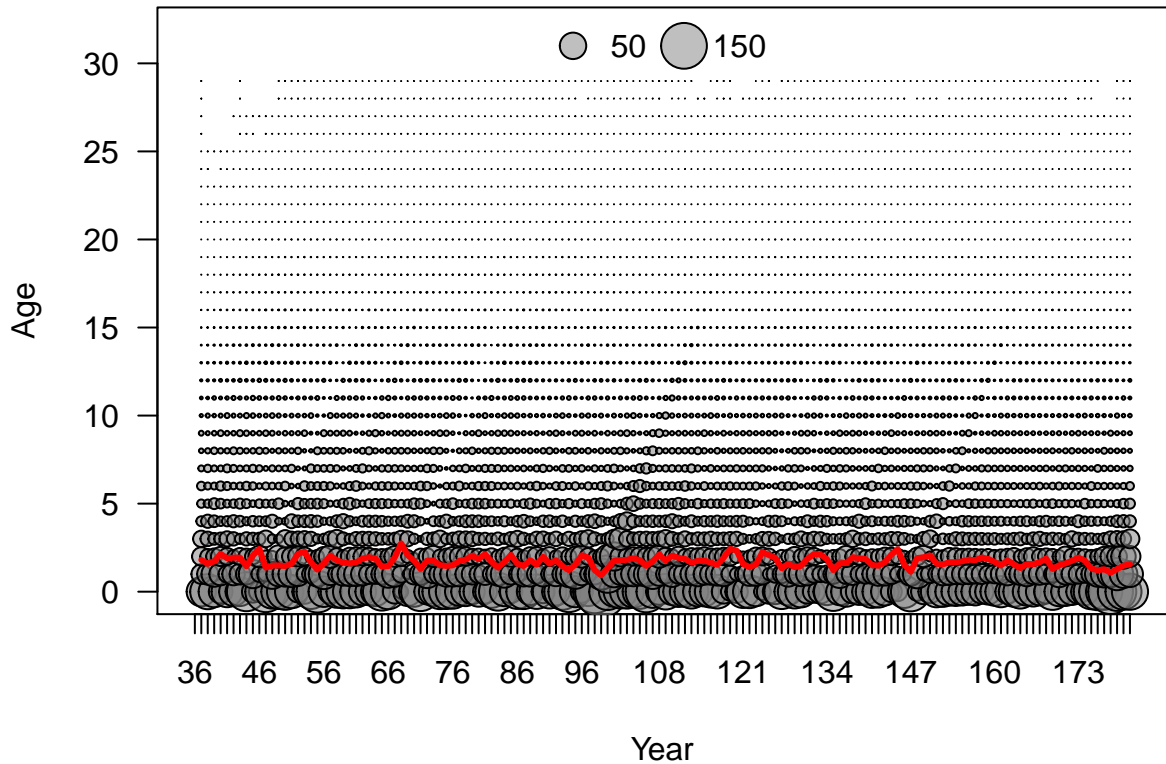


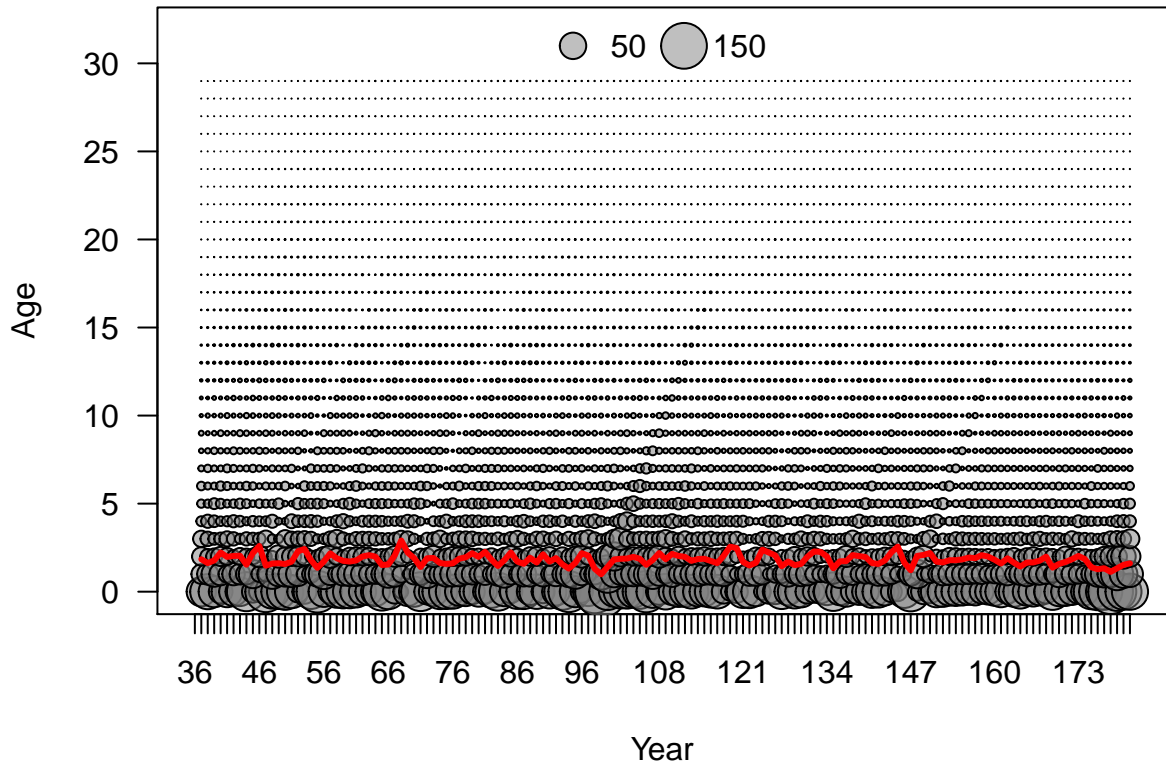


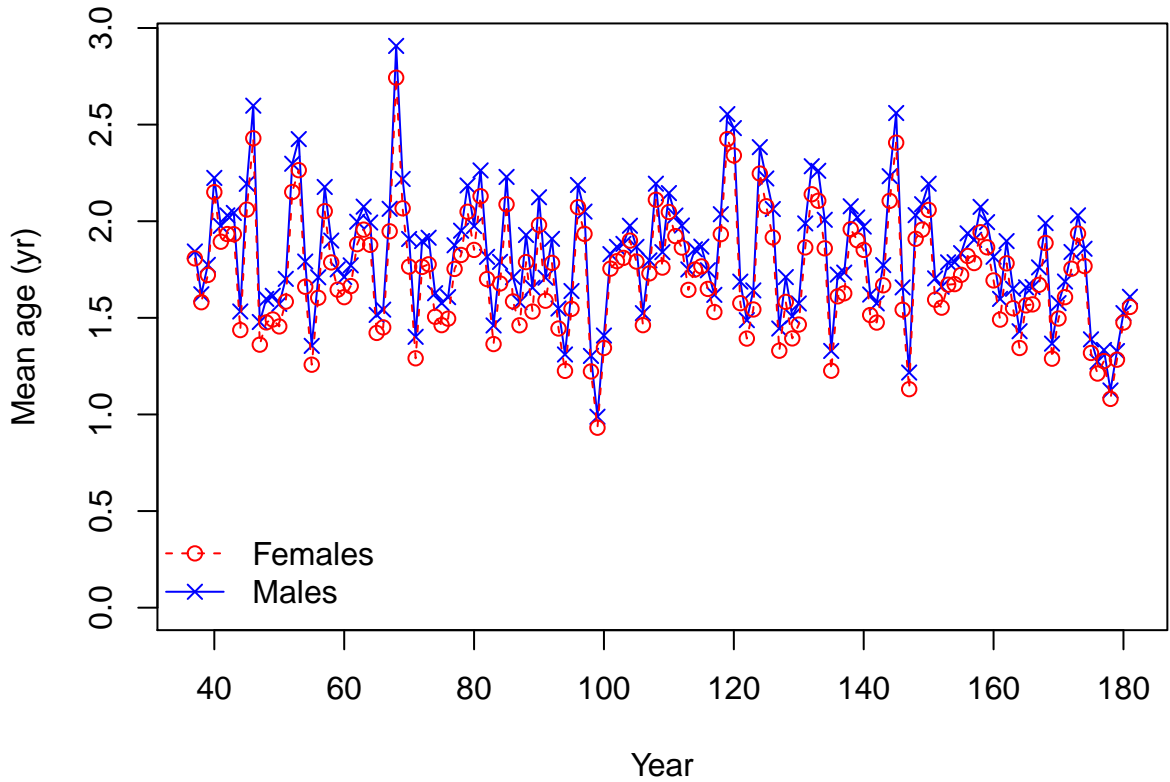


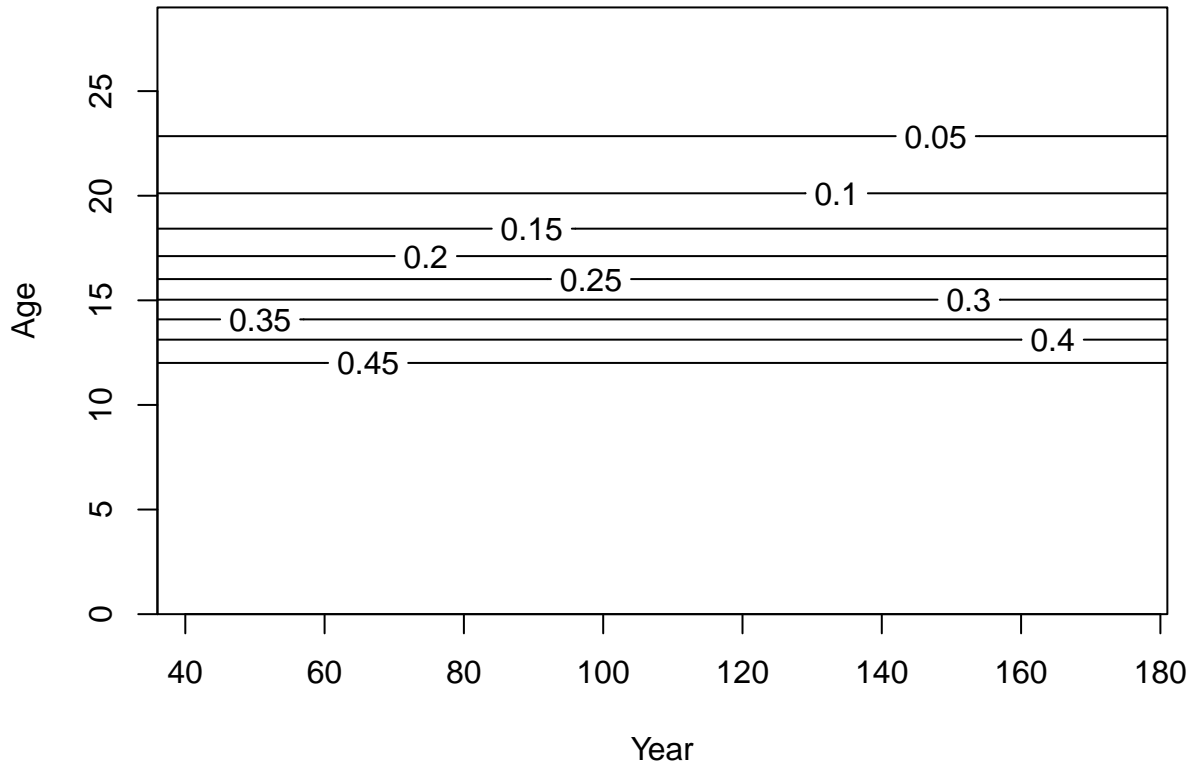


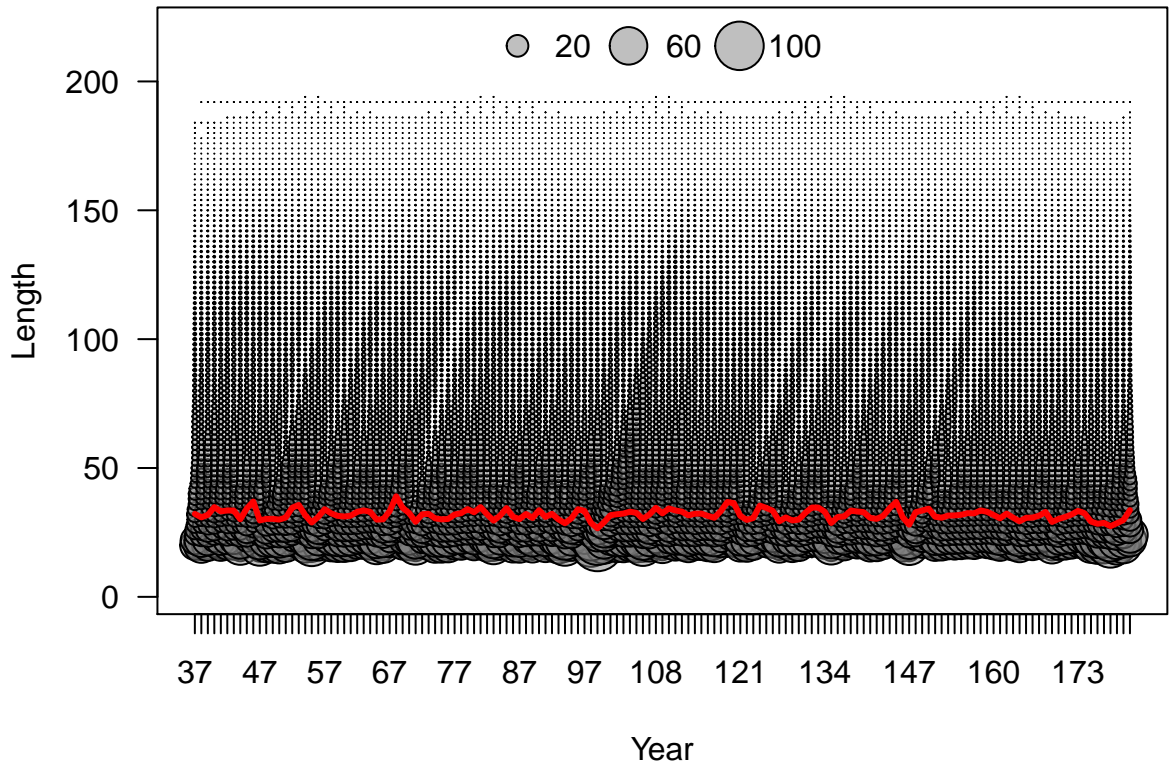


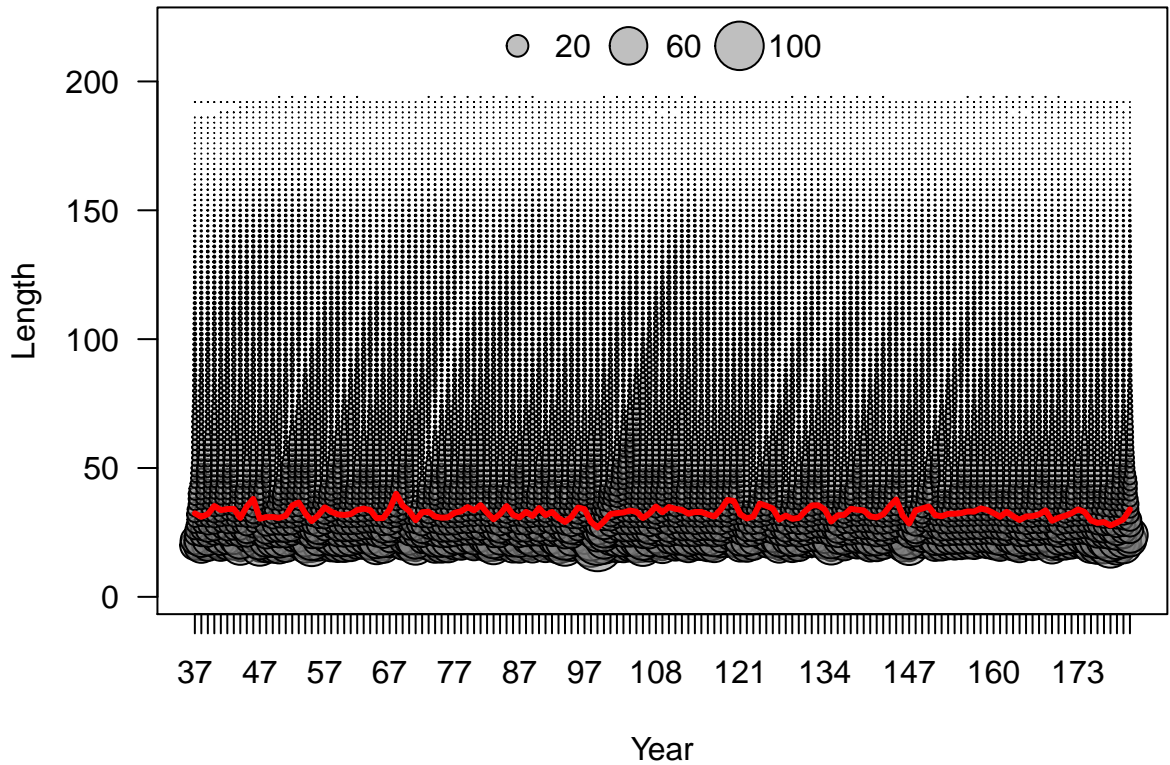


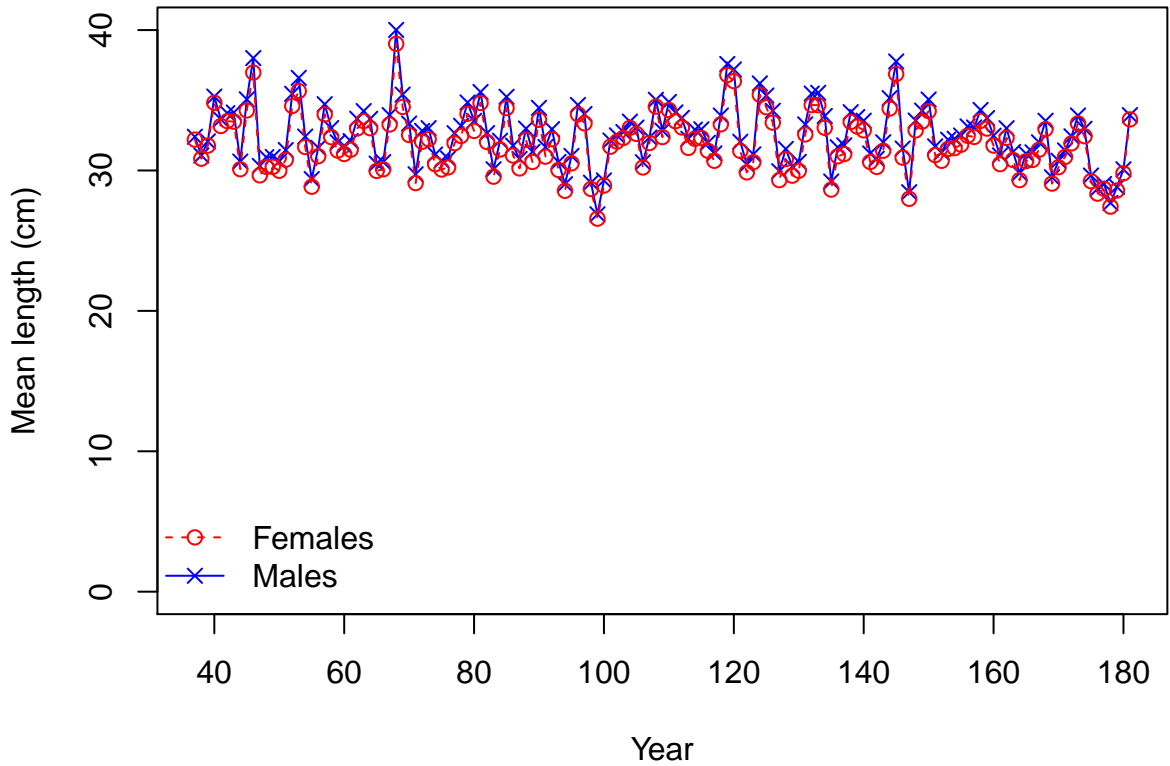


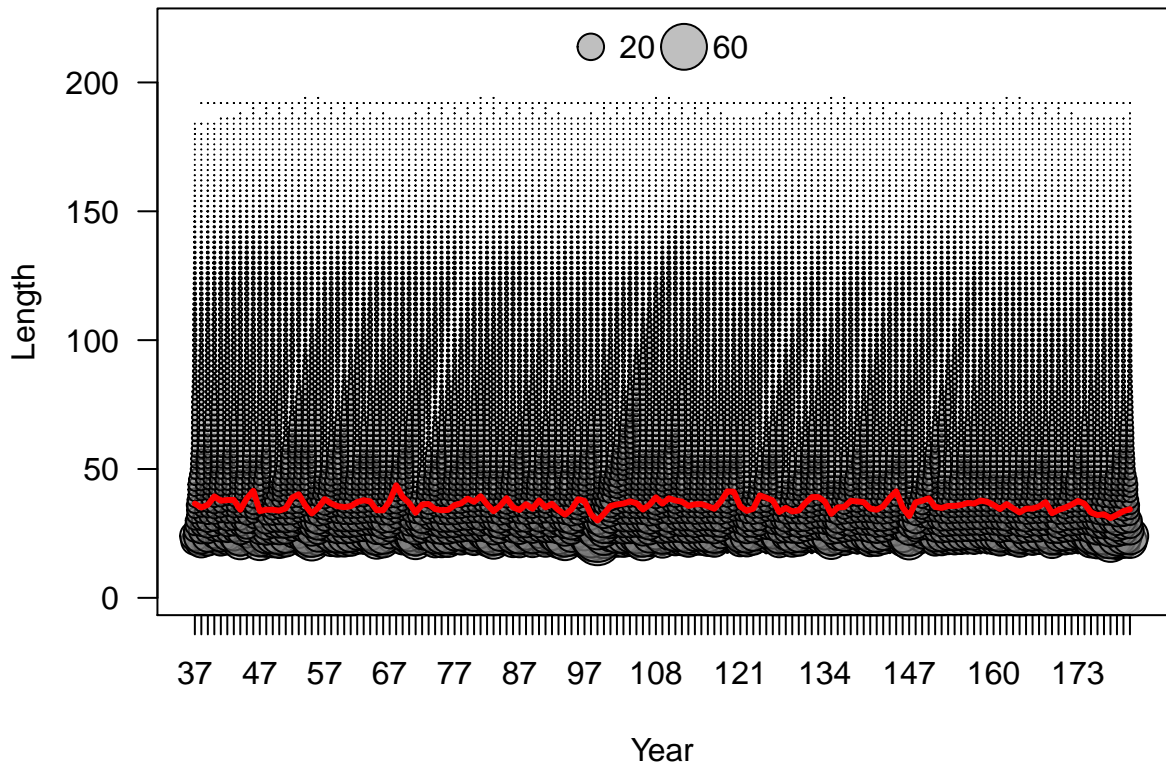


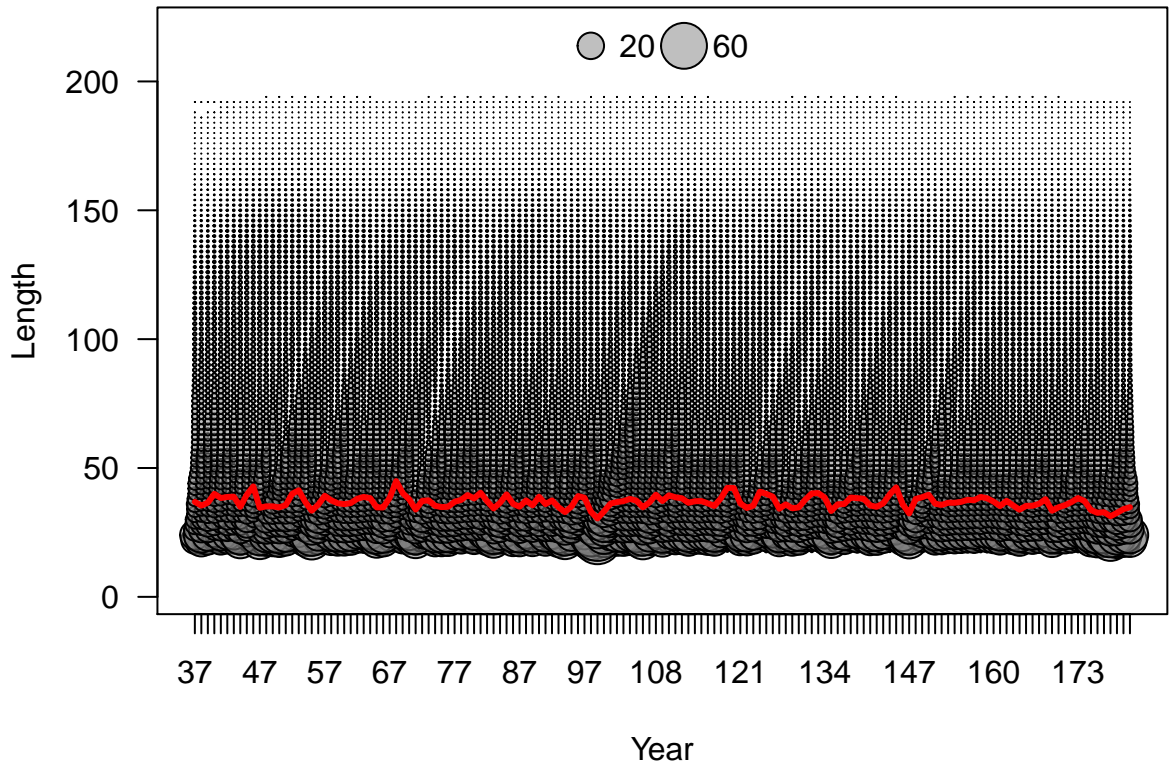


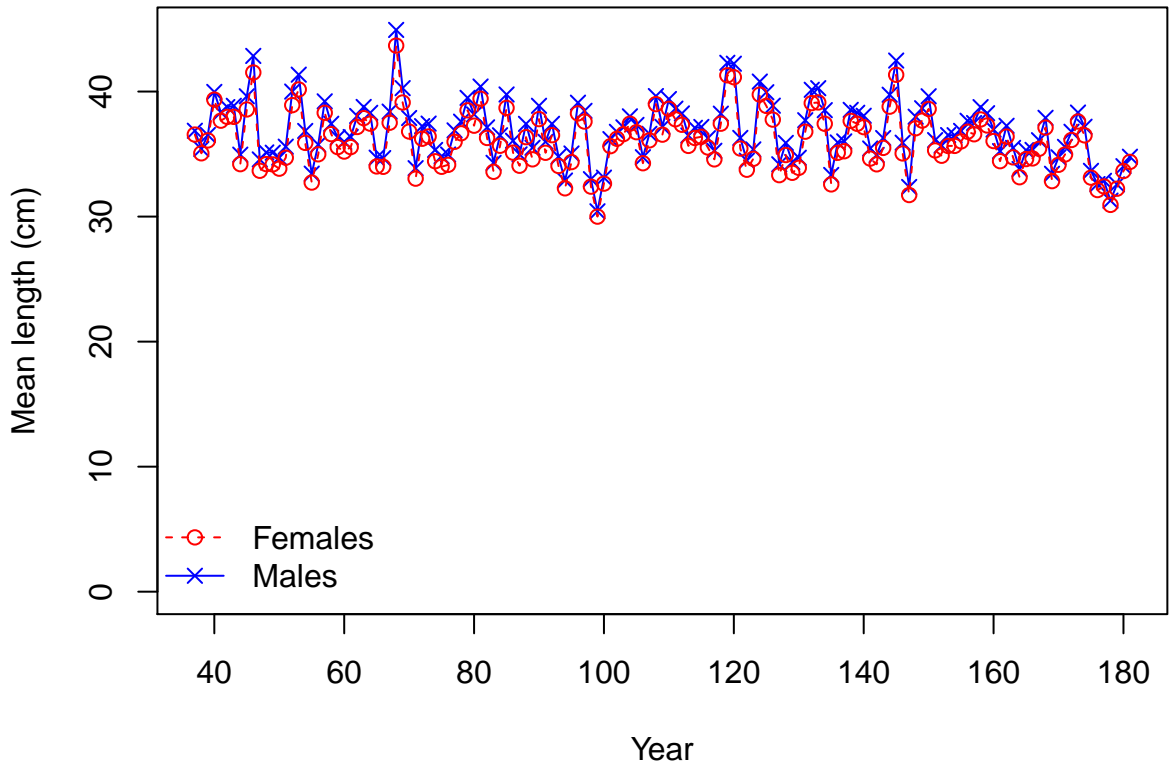


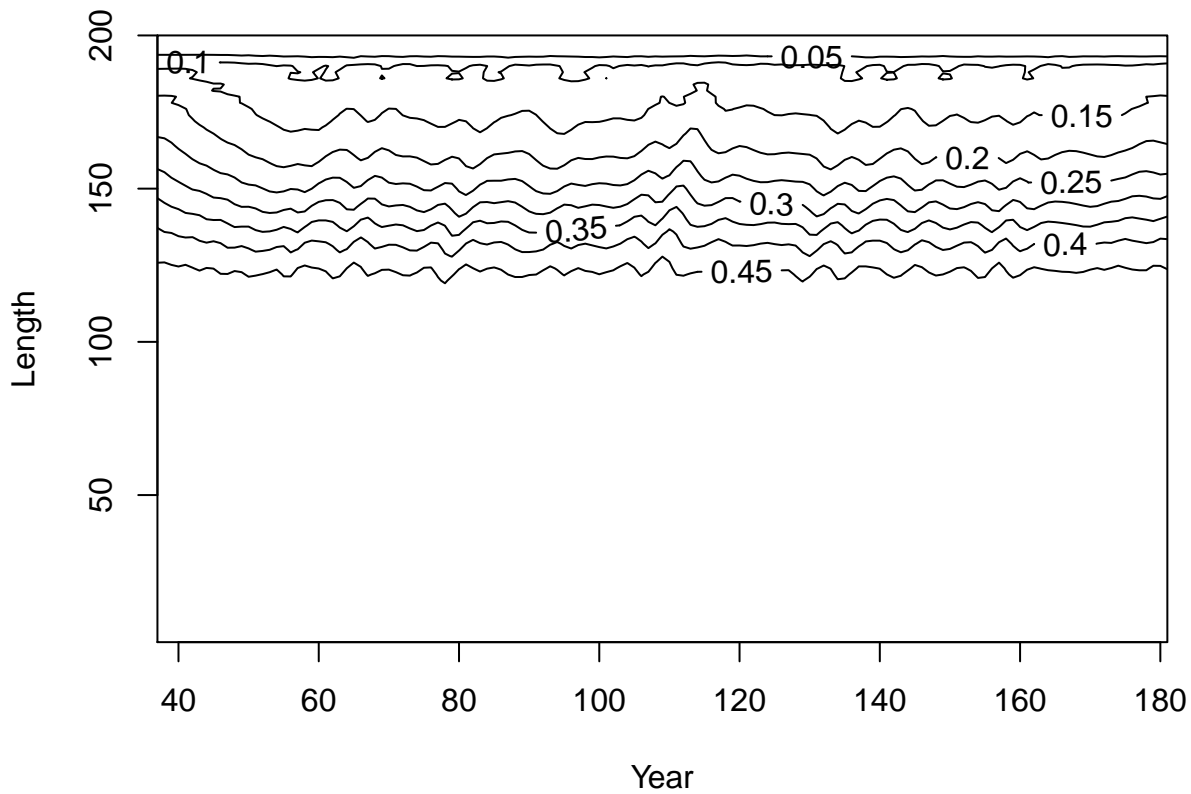


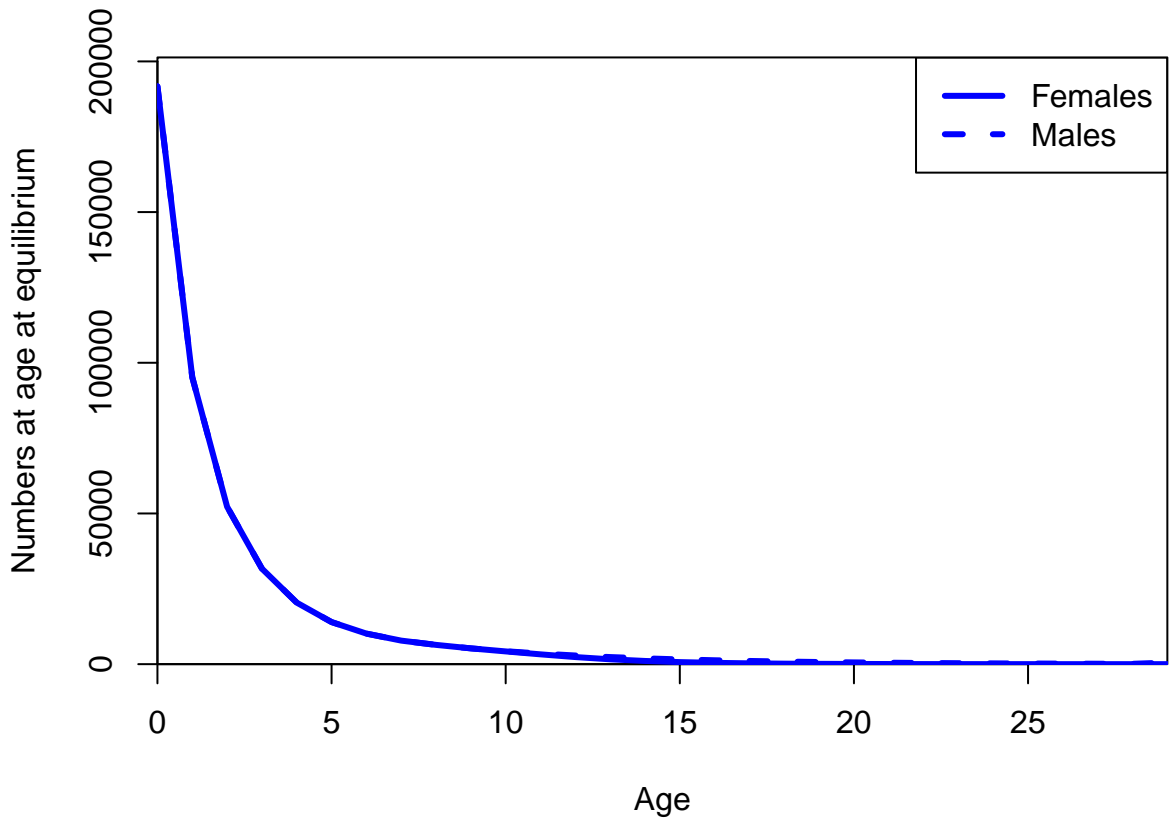


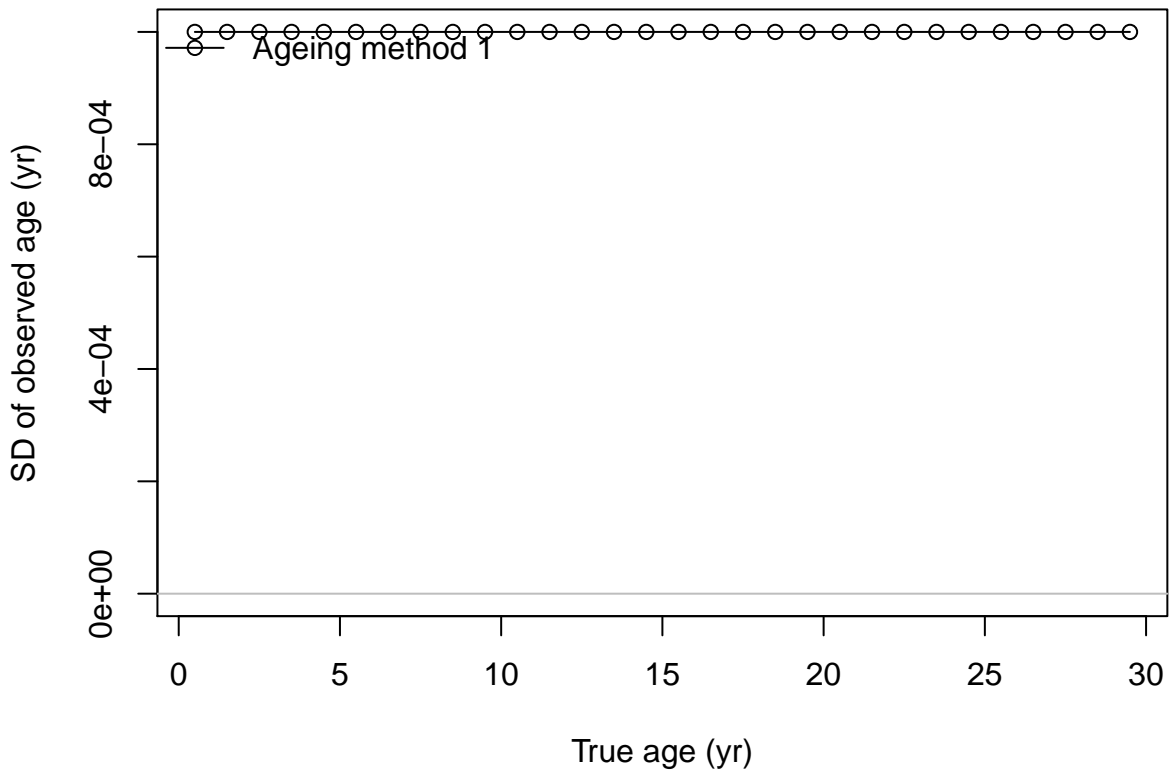


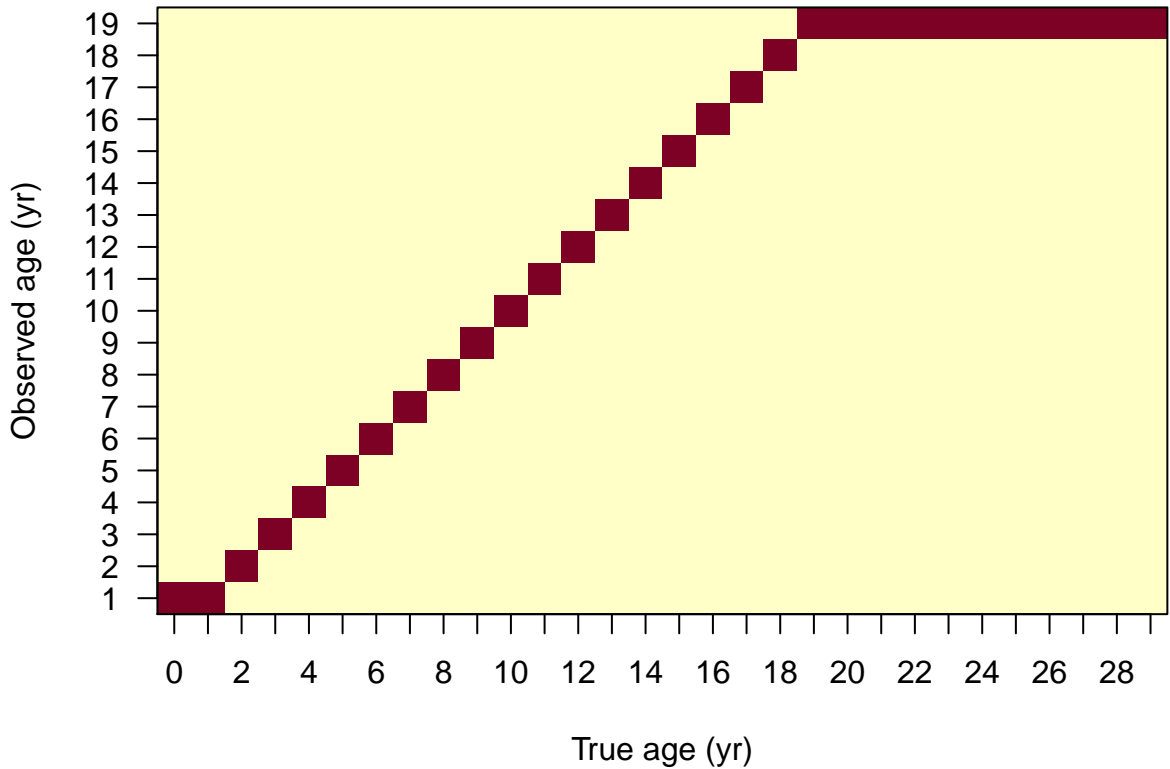


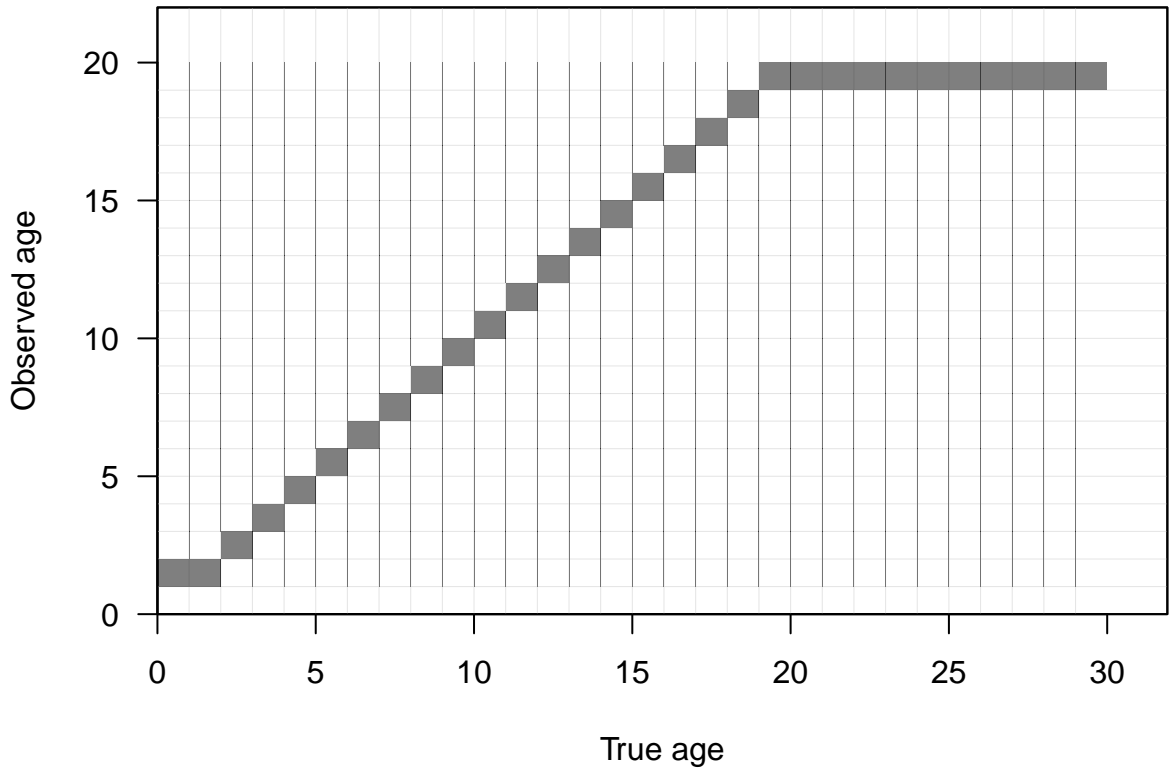


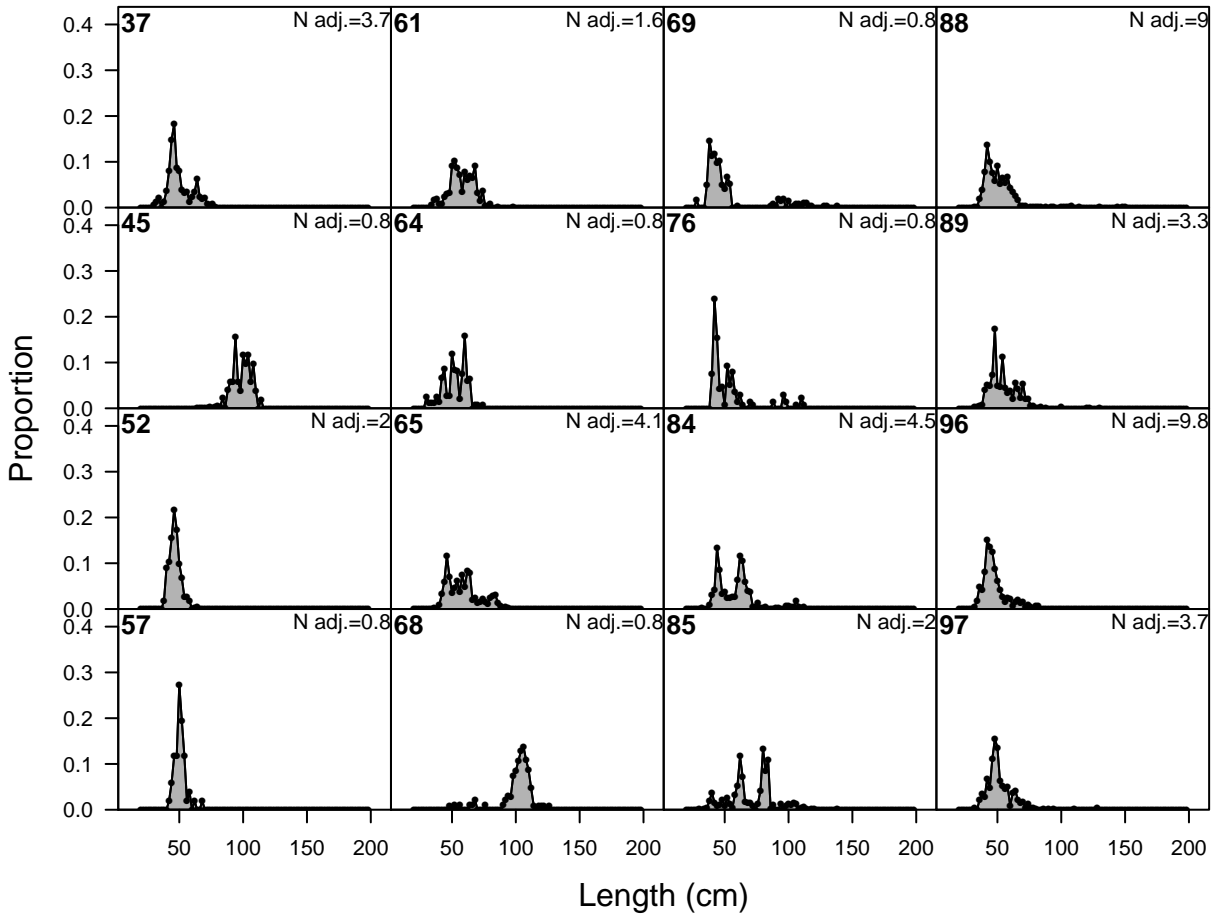


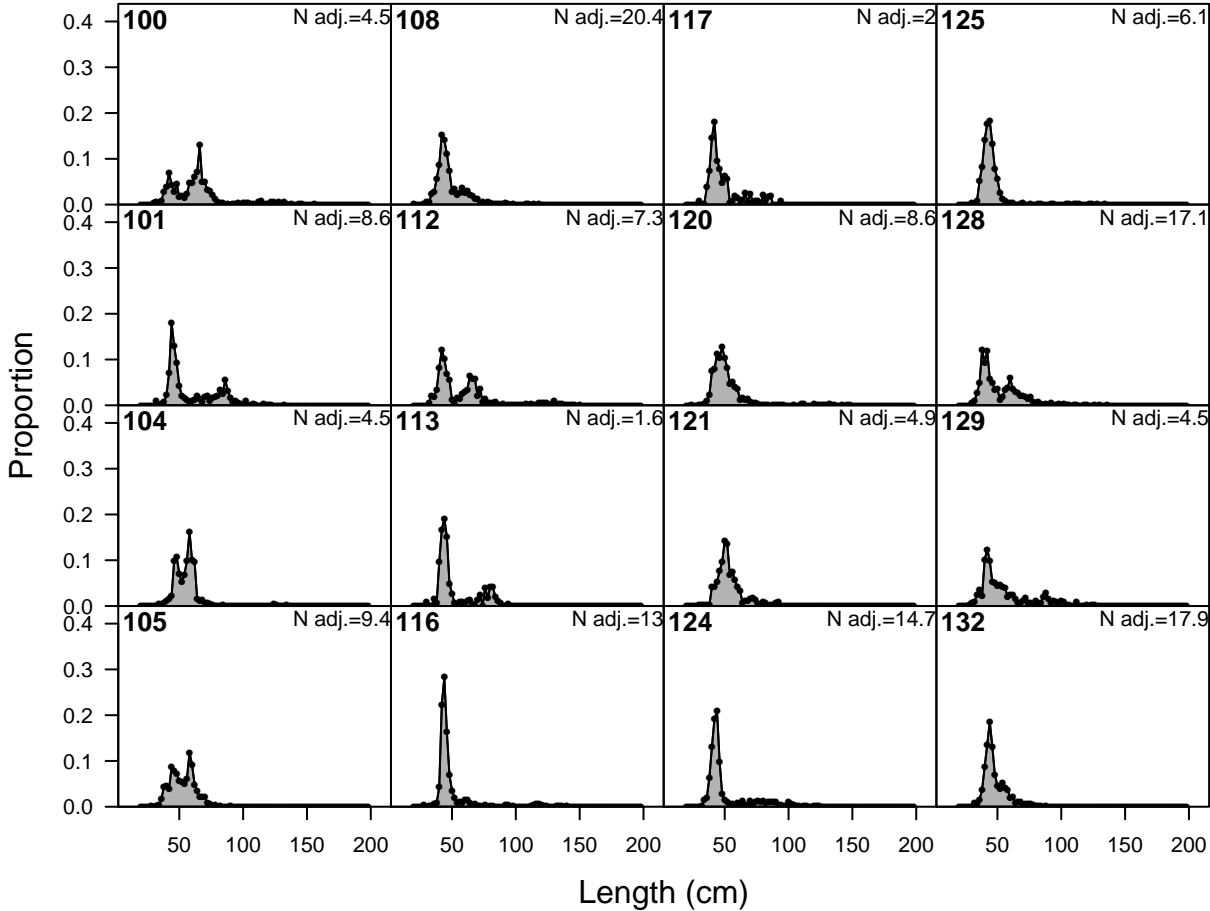


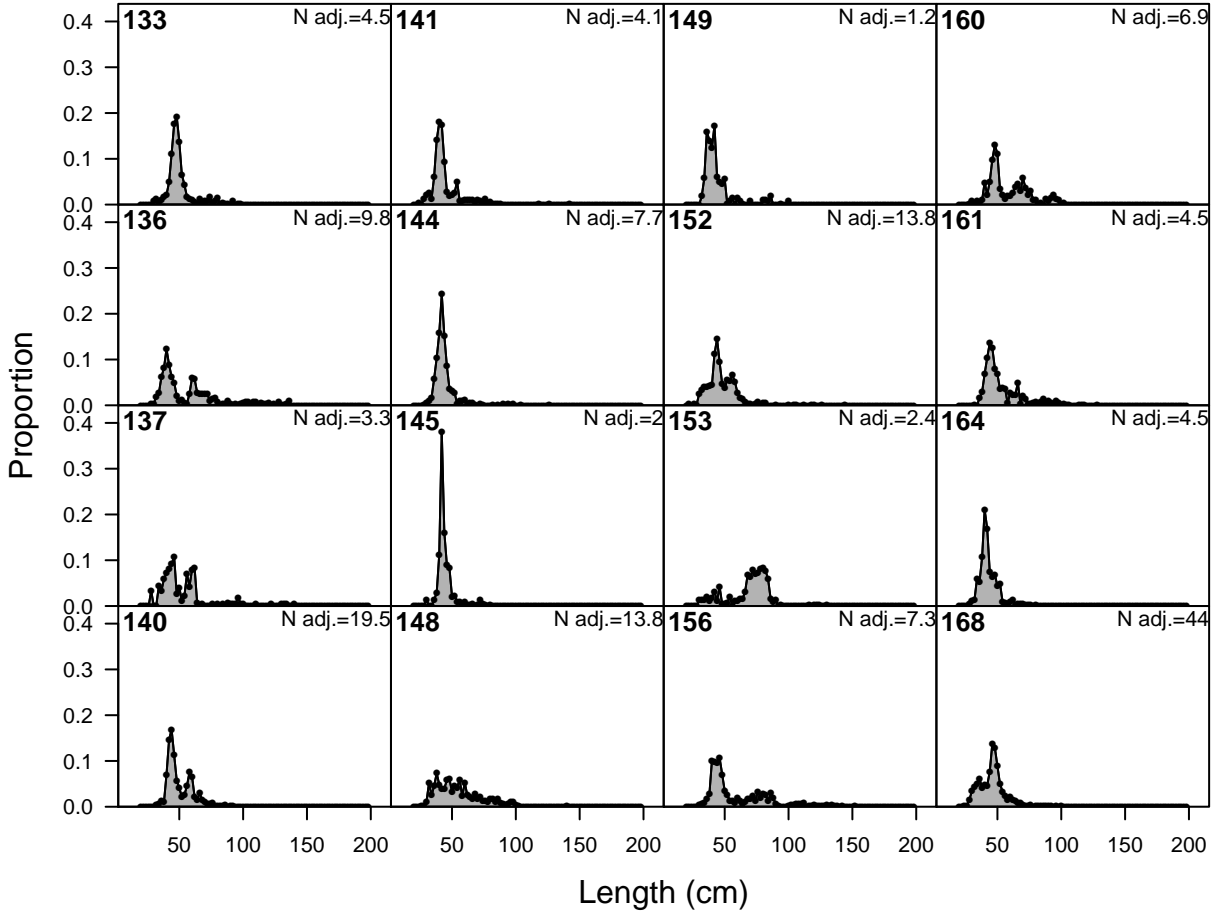


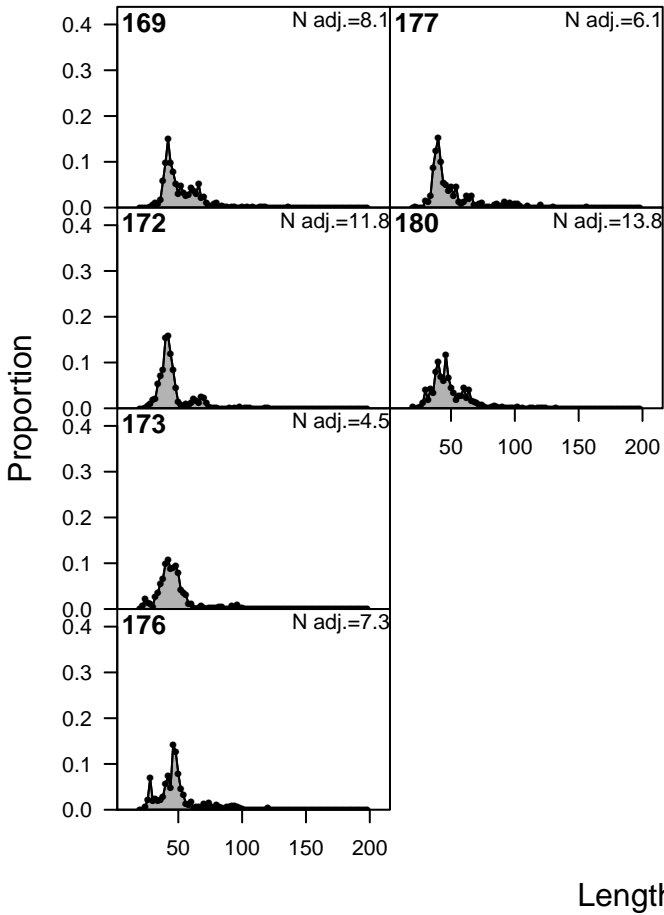


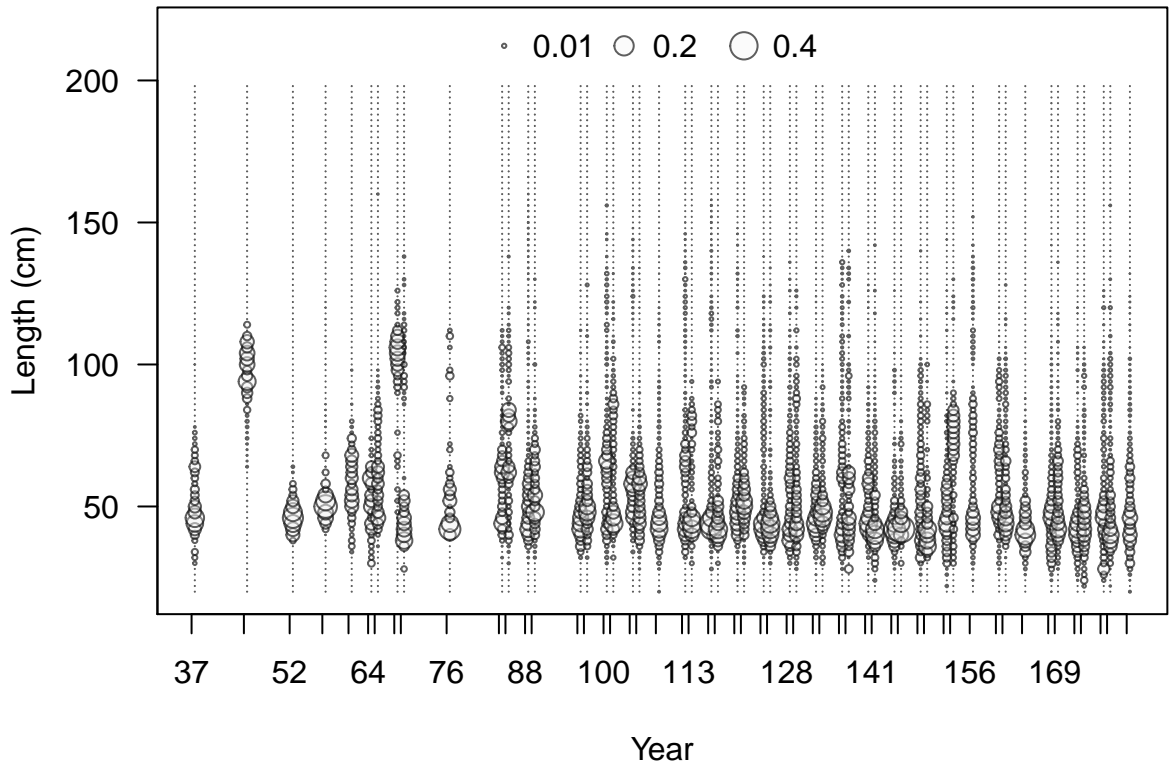




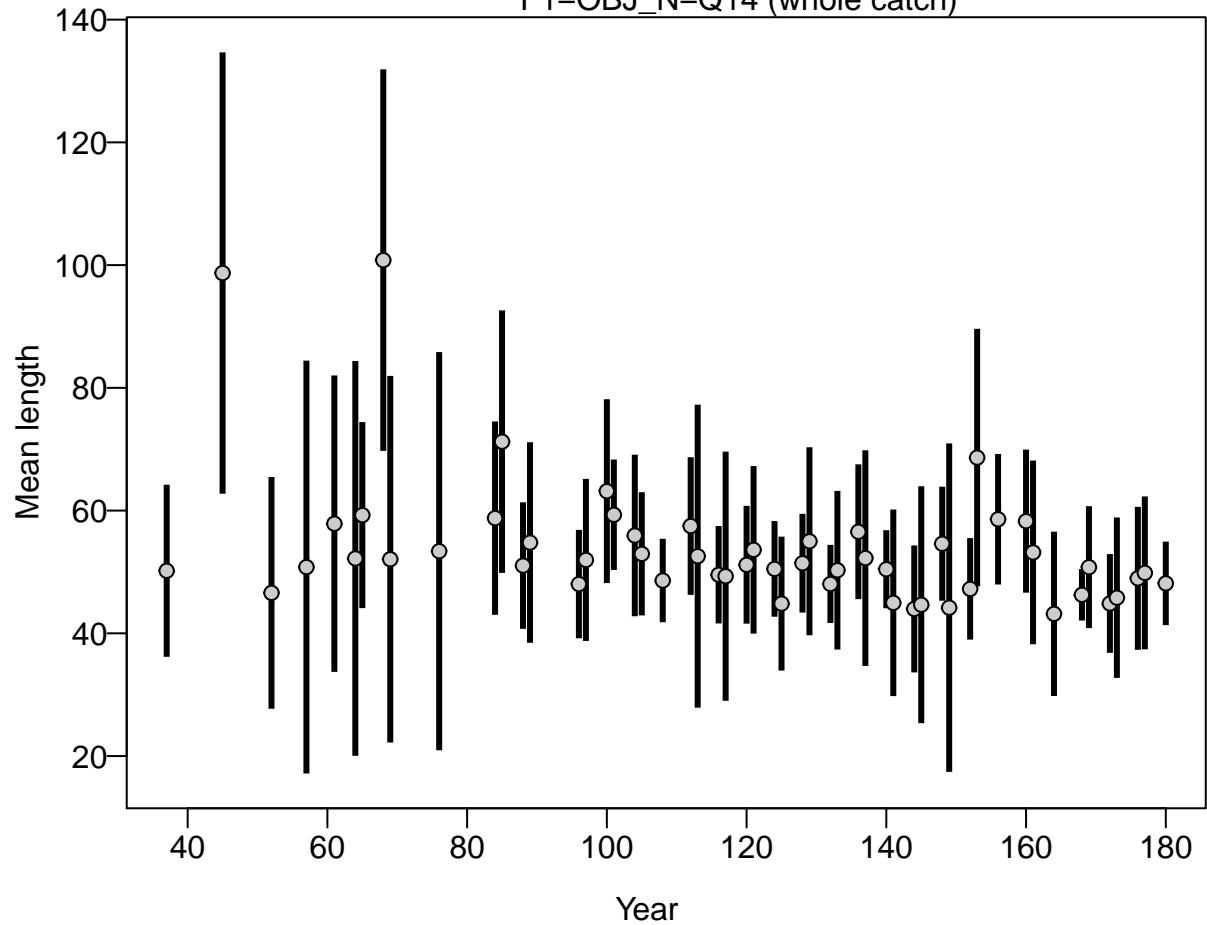


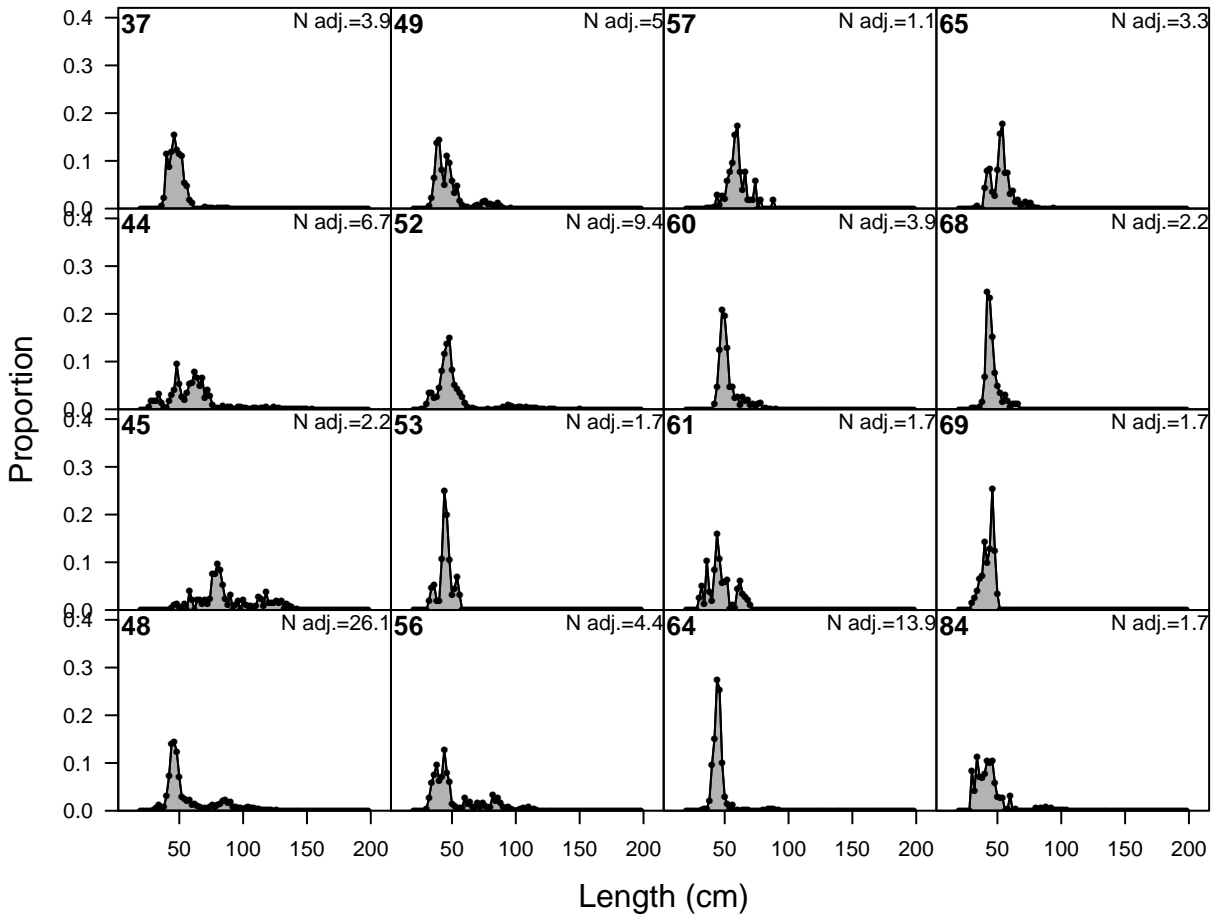


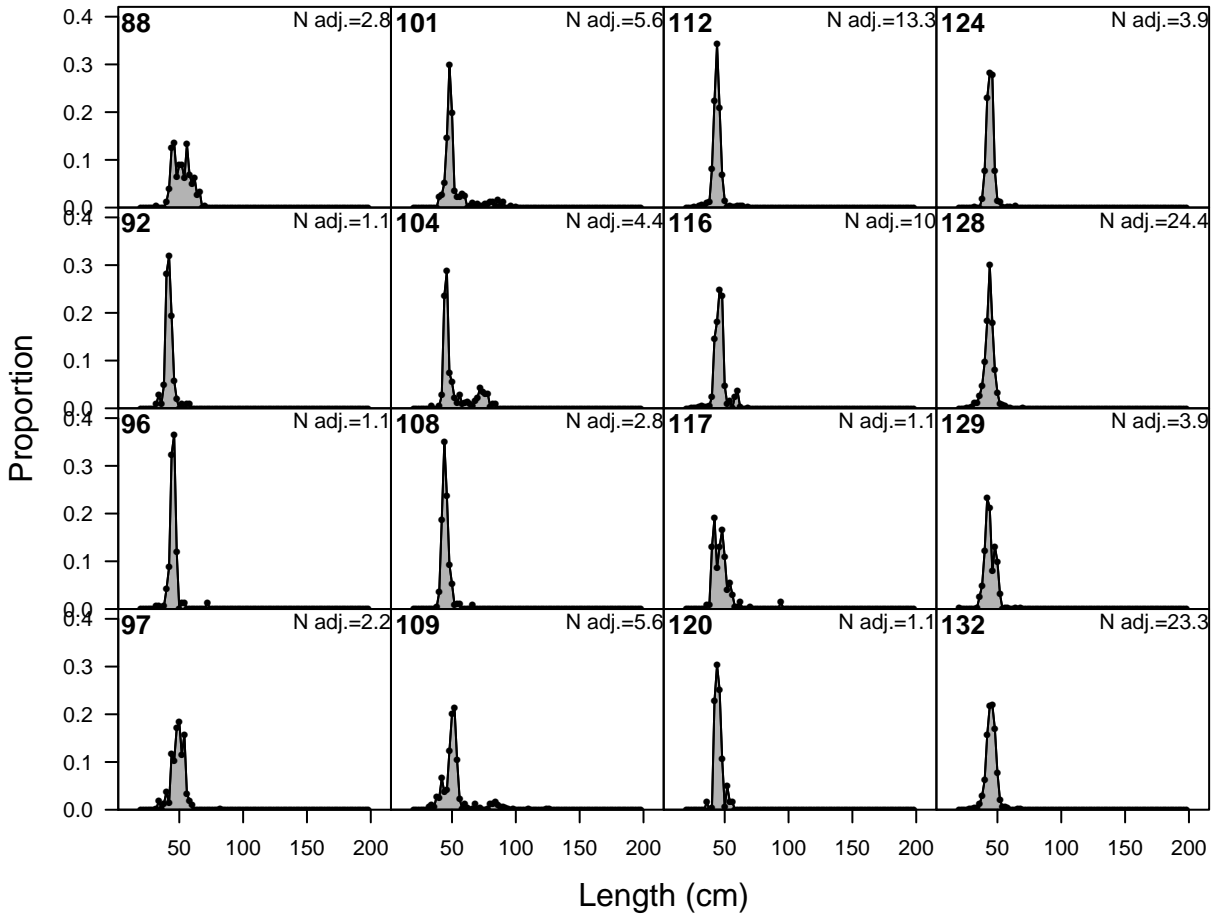


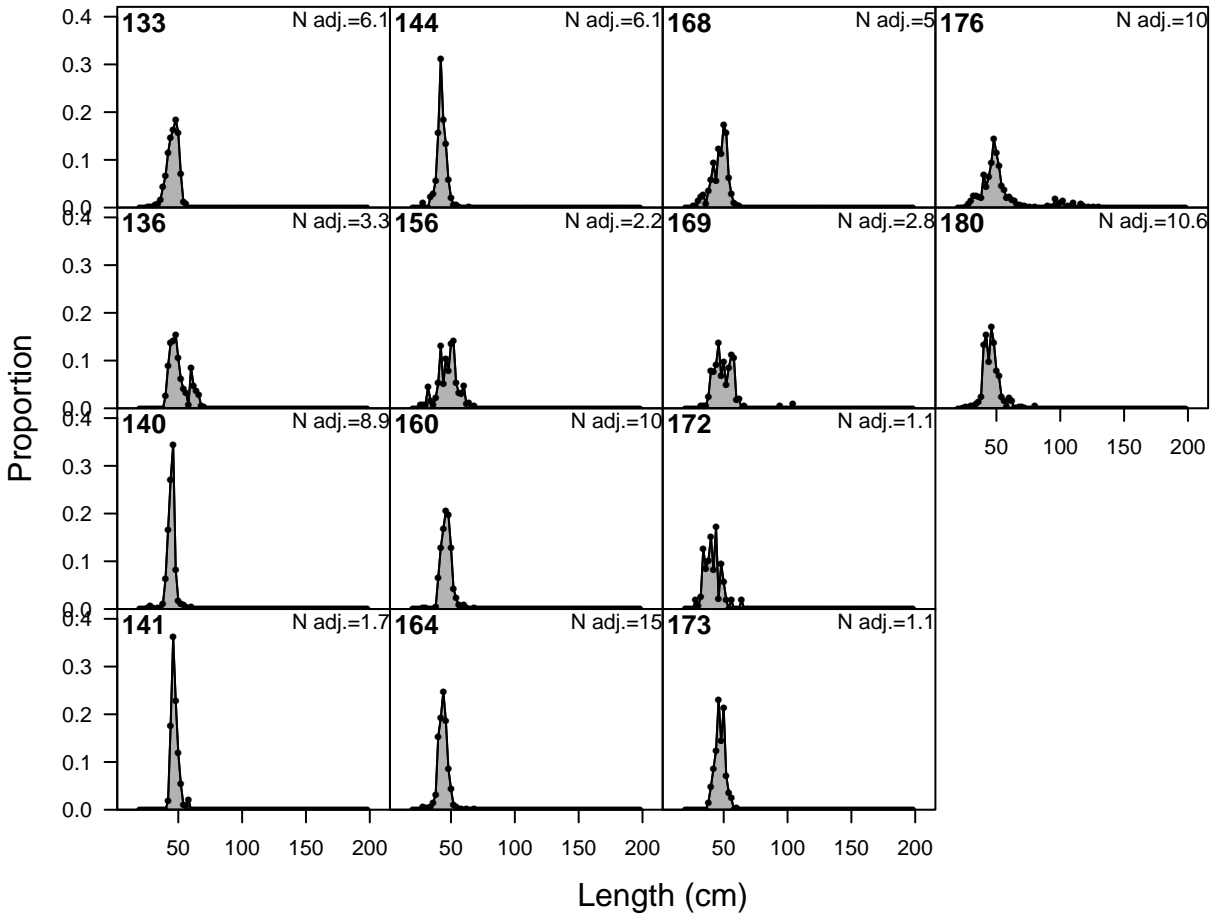


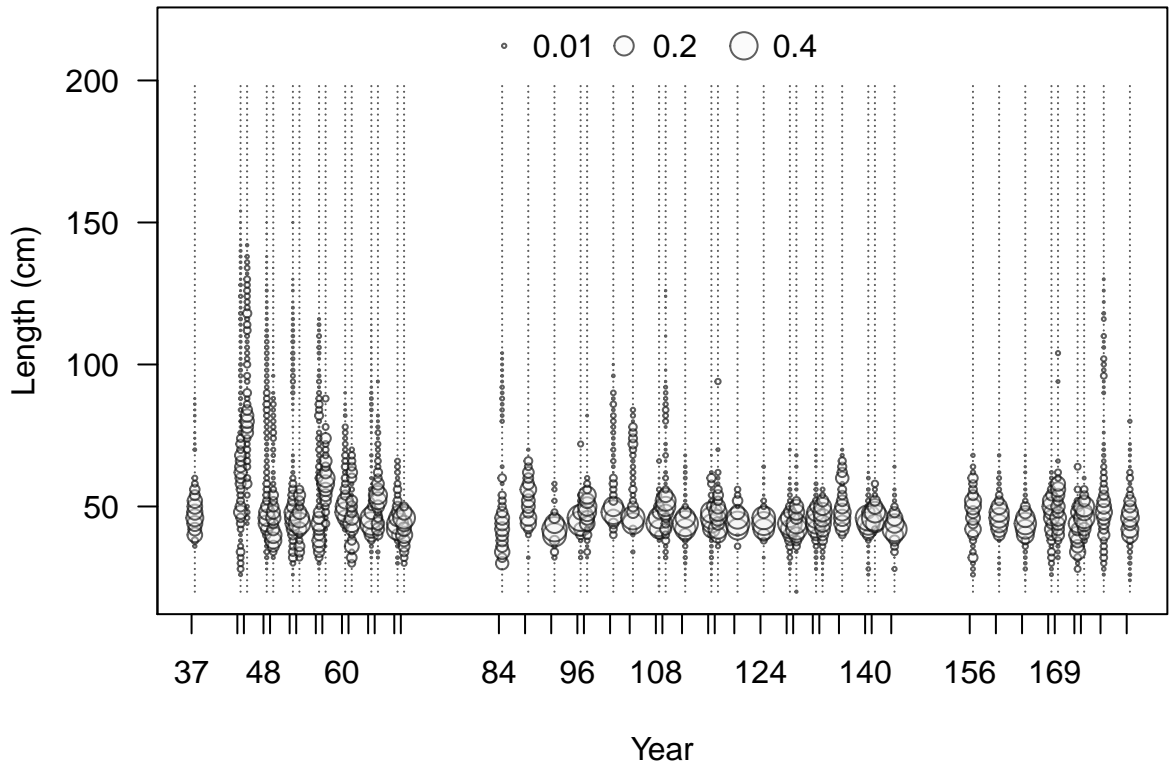
F1-OBJ_N-Q14 (whole catch)



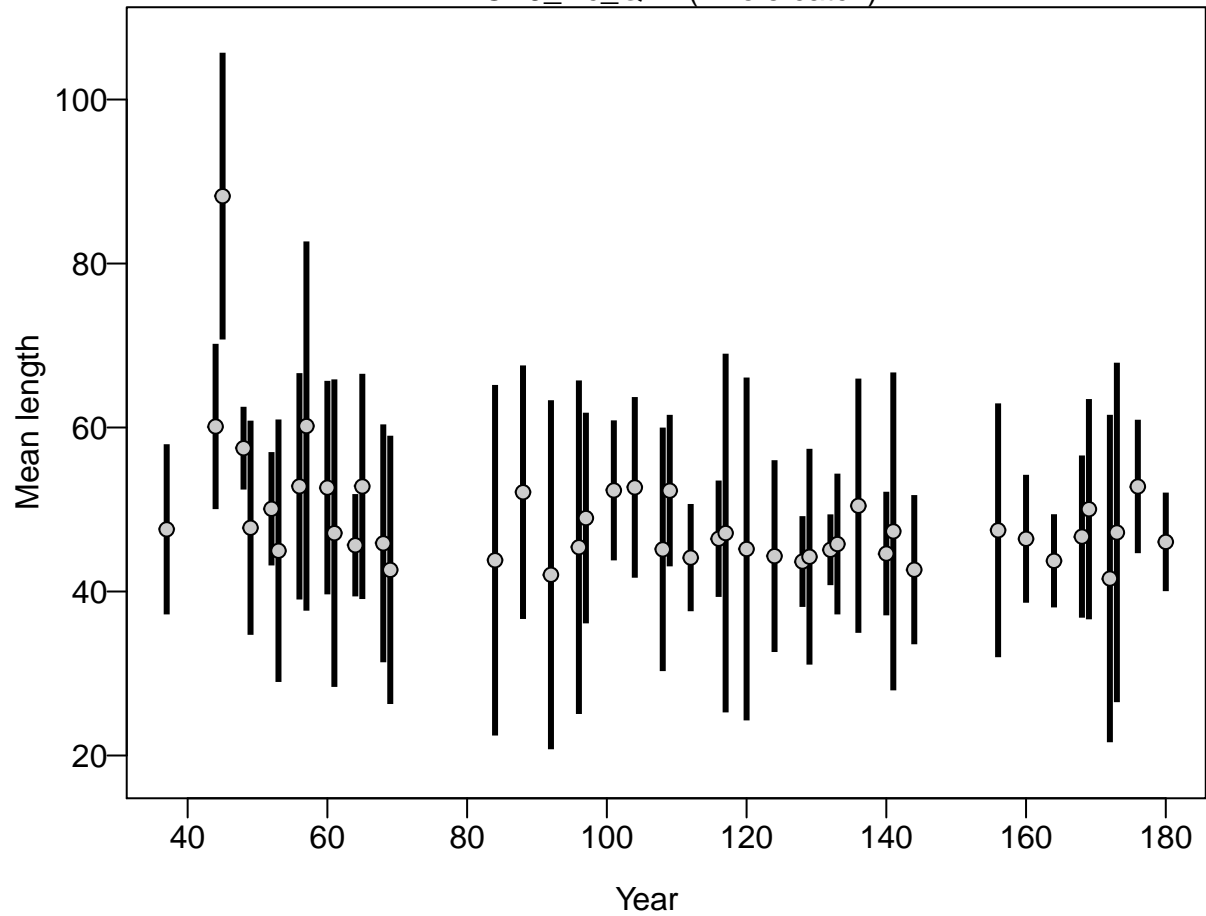


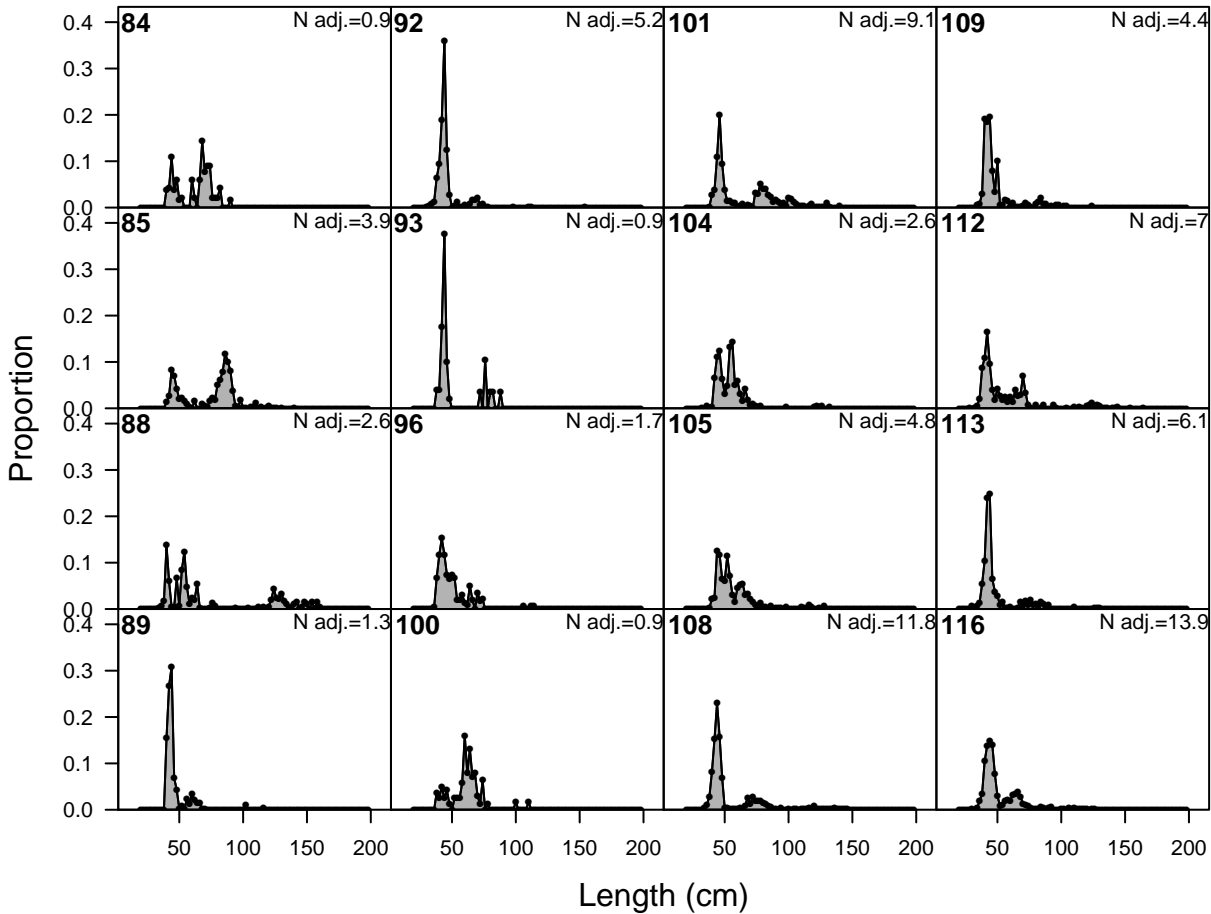


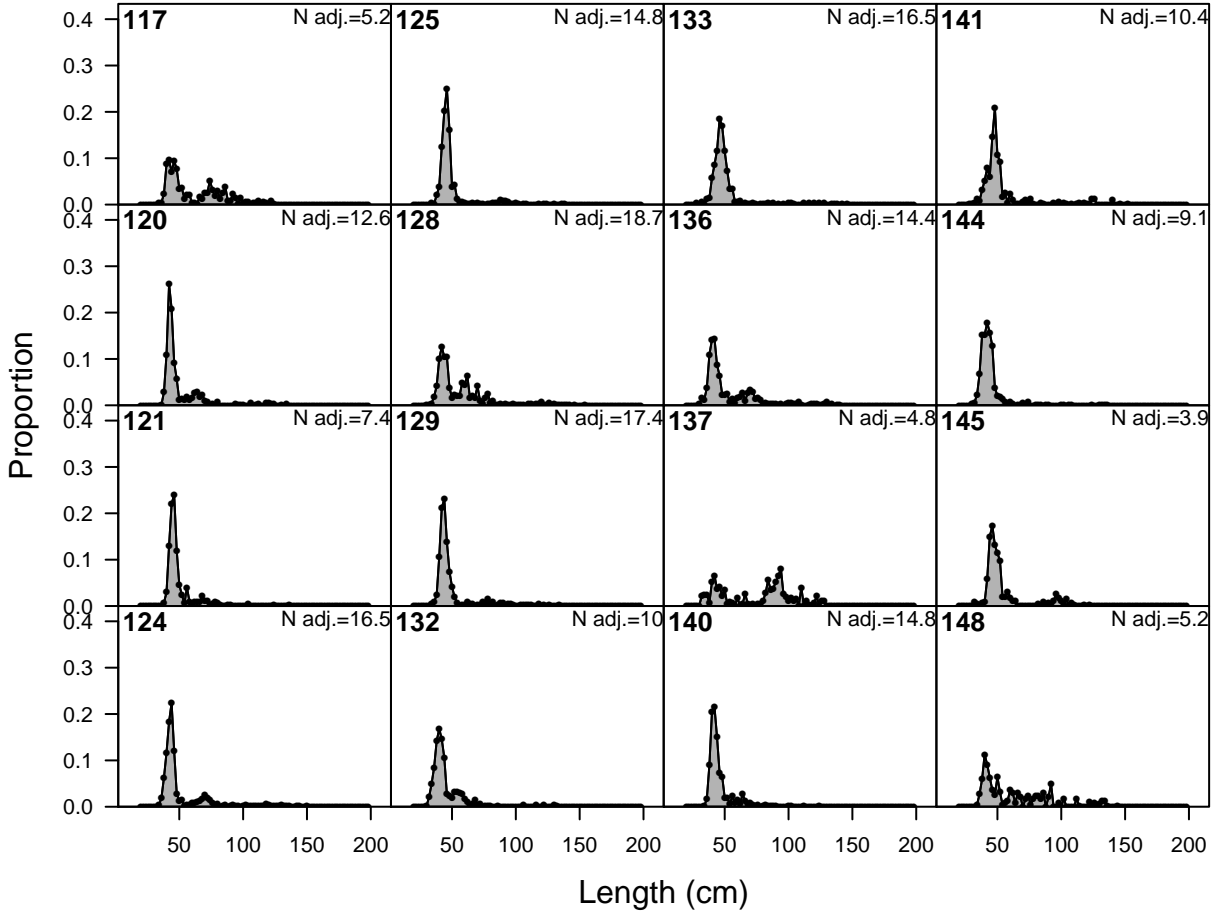


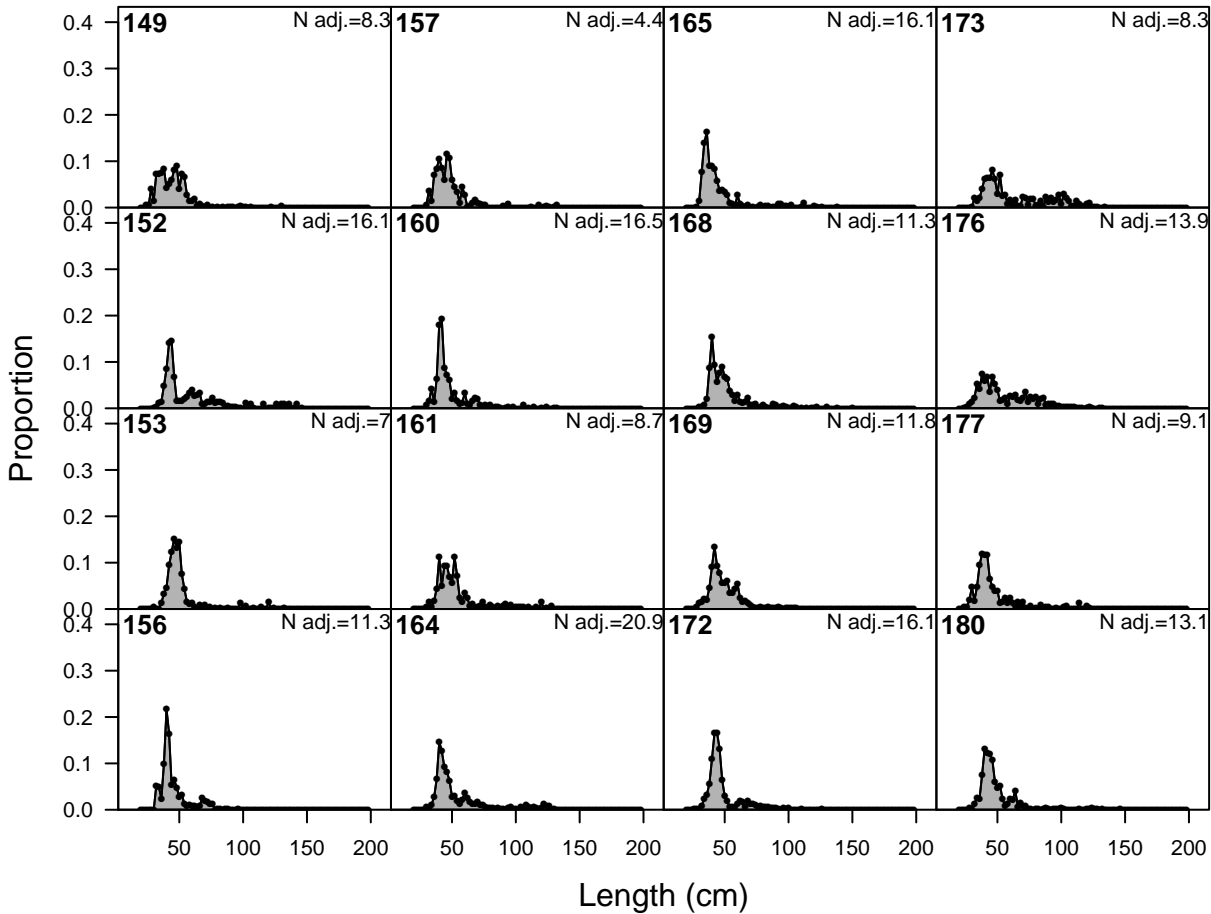


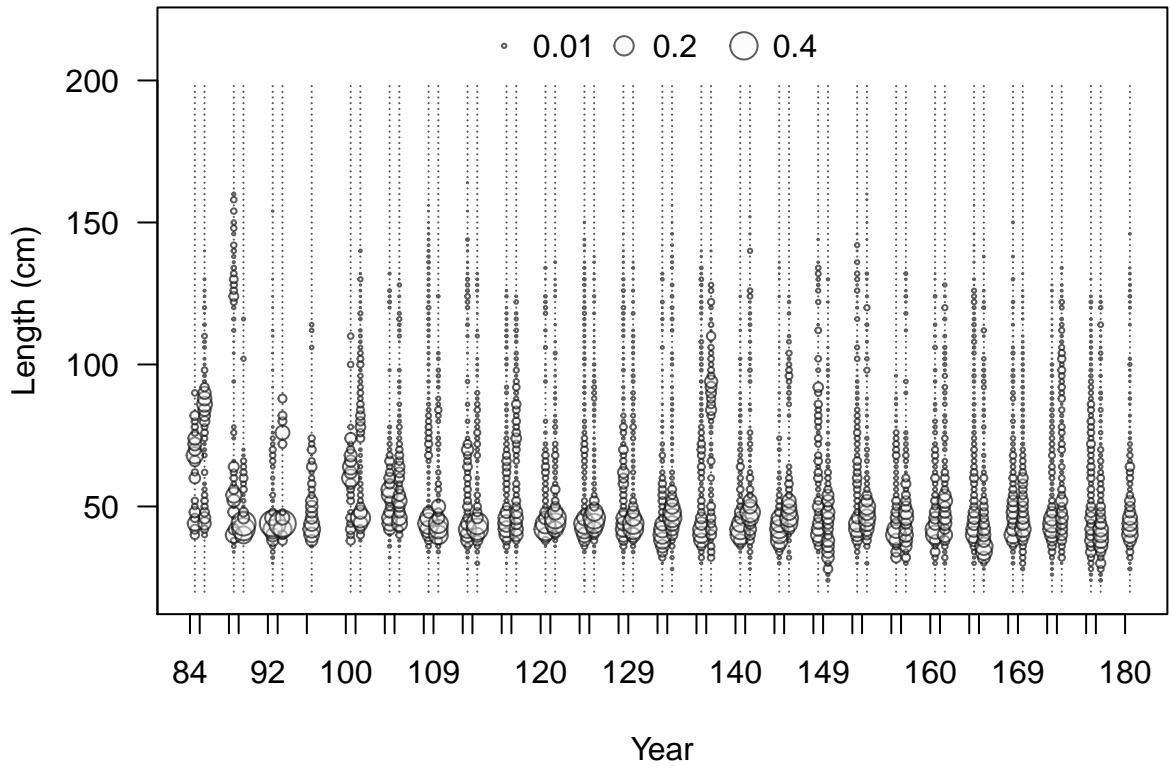
F2-OBJ_Nc_Q14 (whole catch)



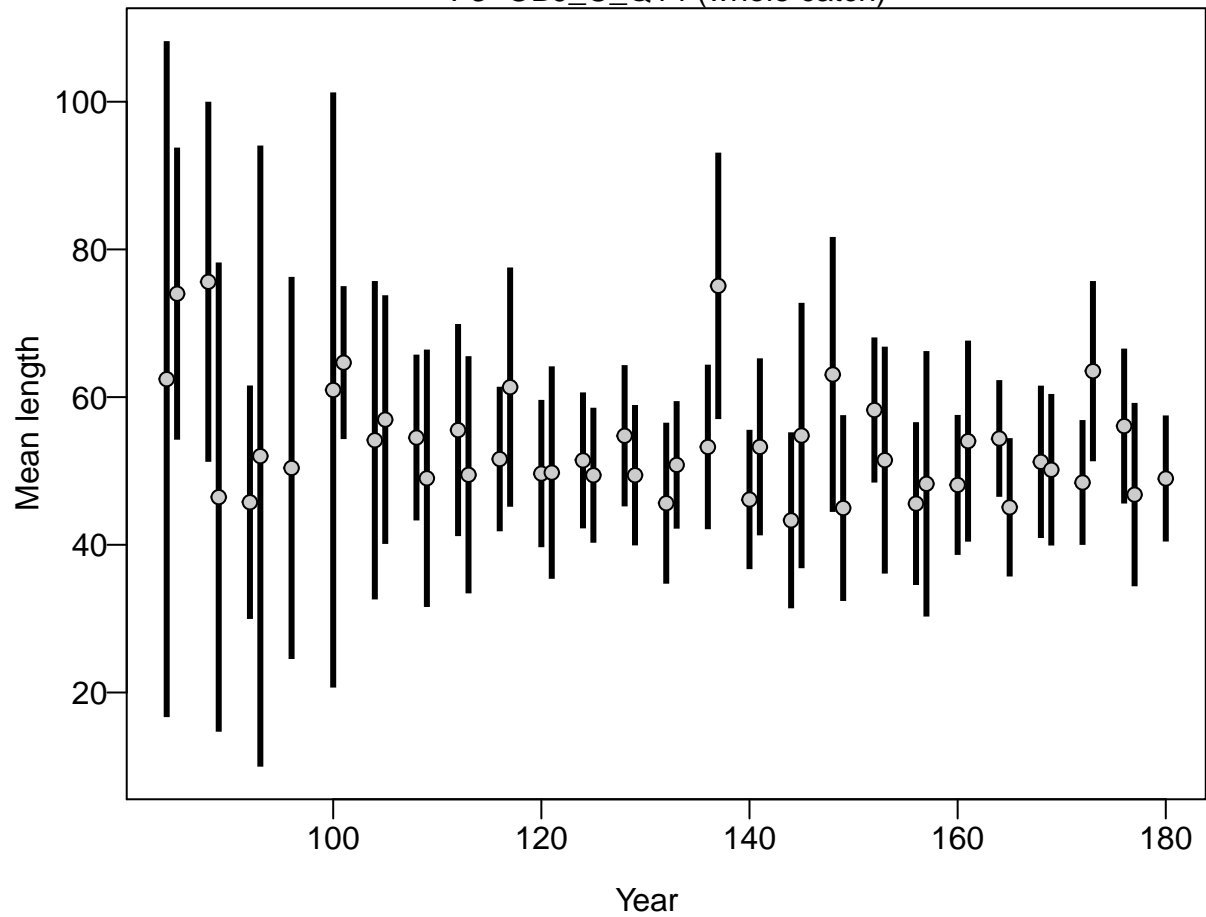


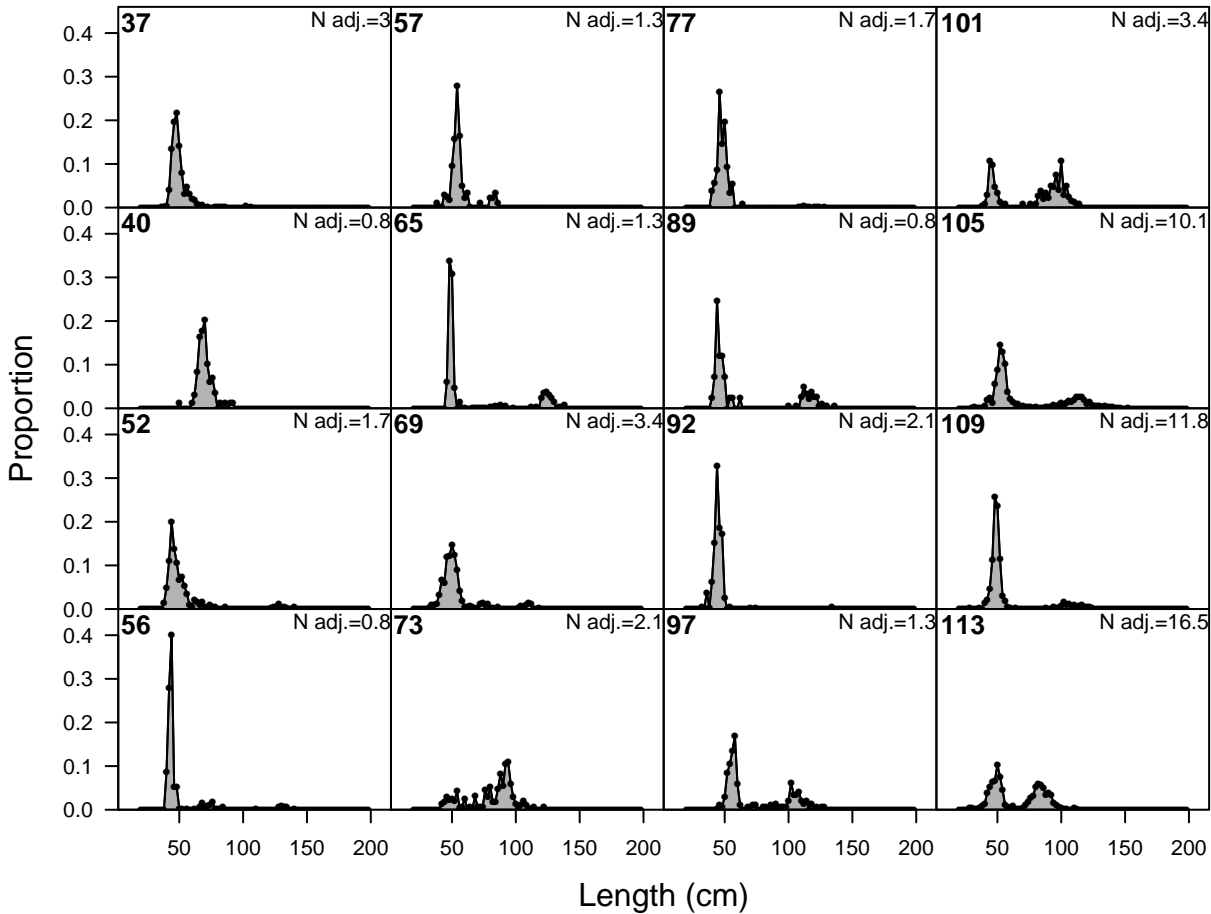


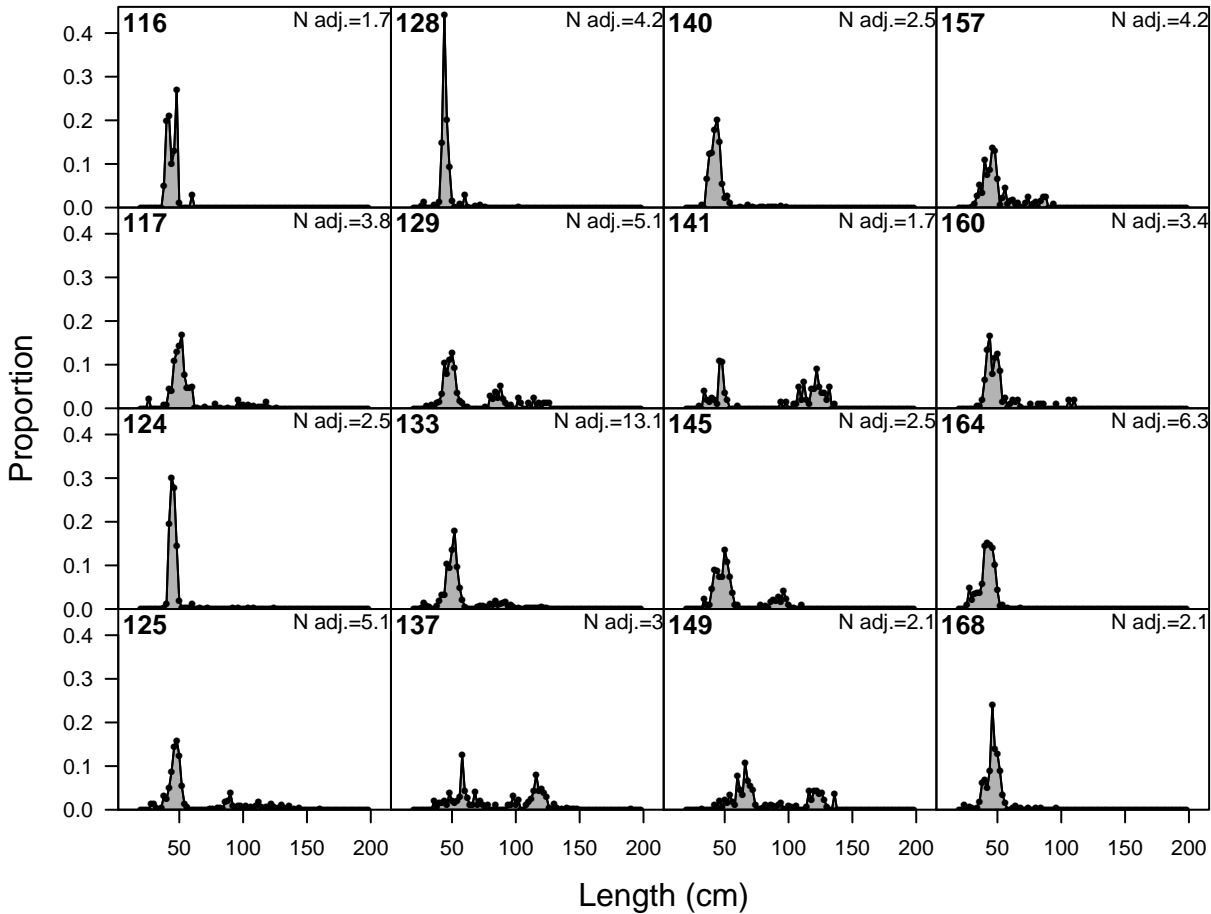


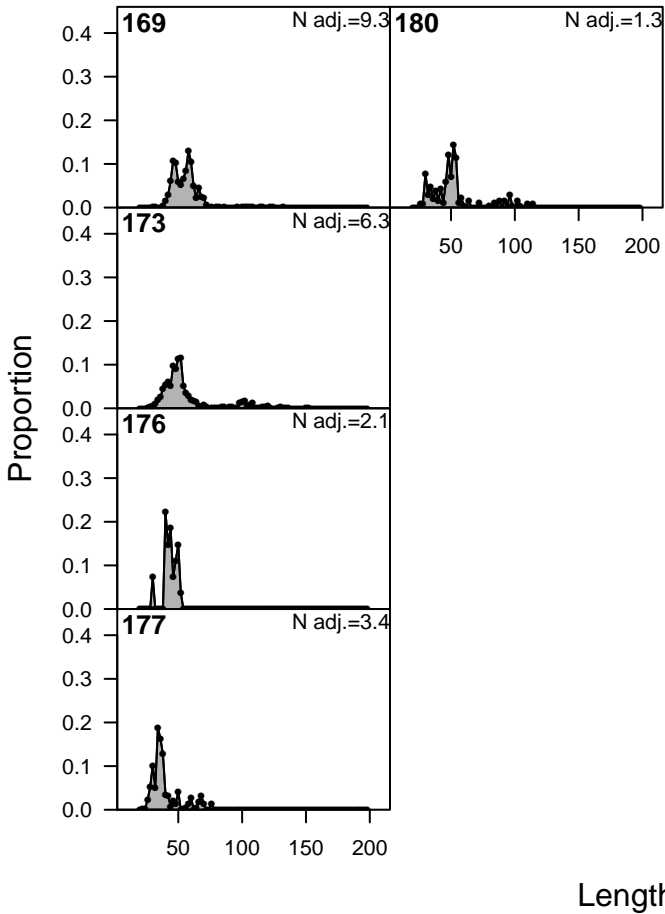


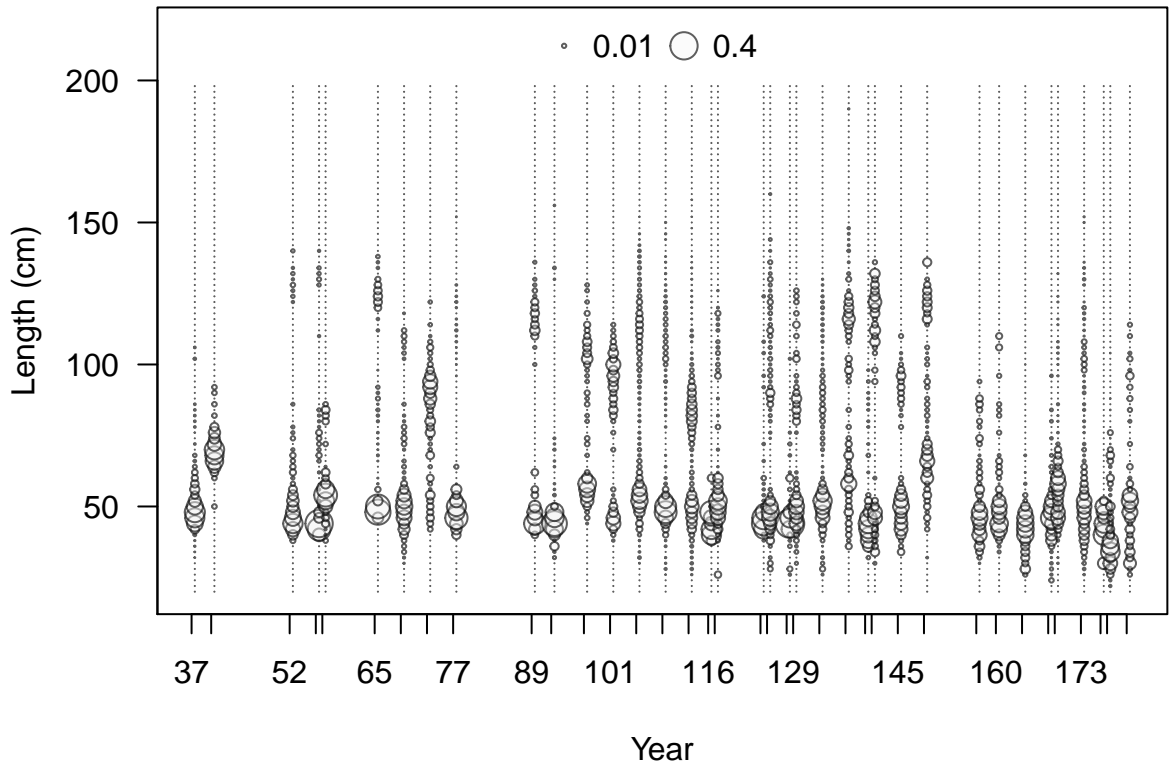
F3-OBJ_C_Q14 (whole catch)



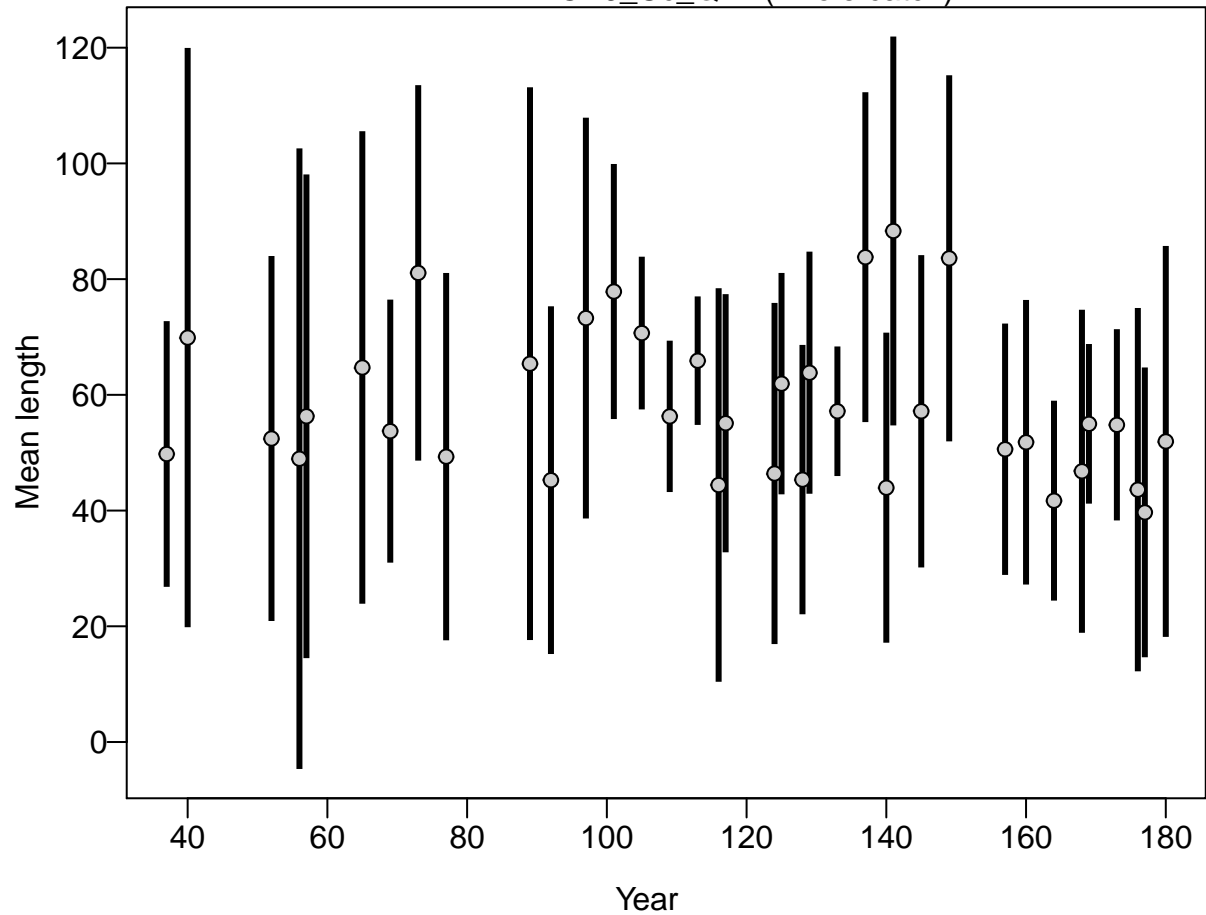


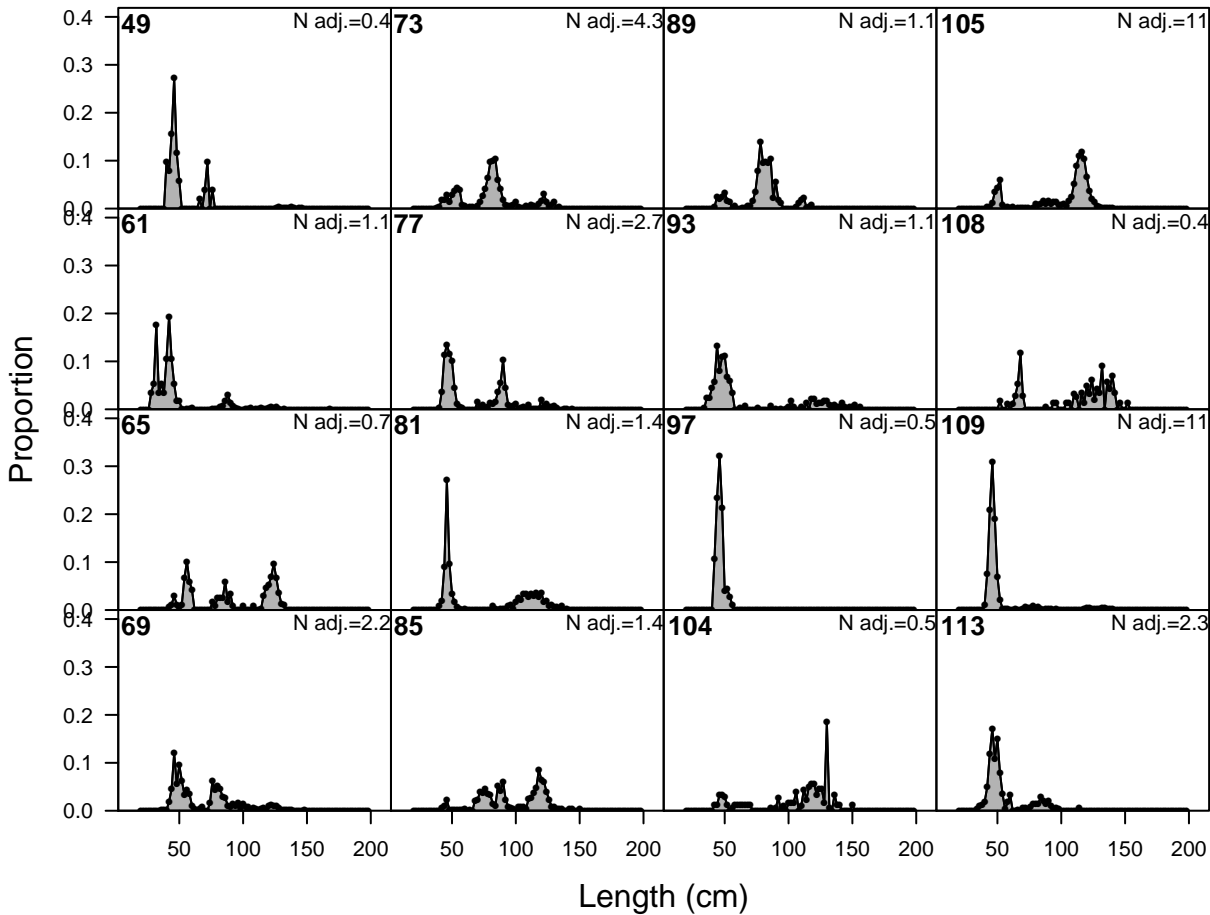


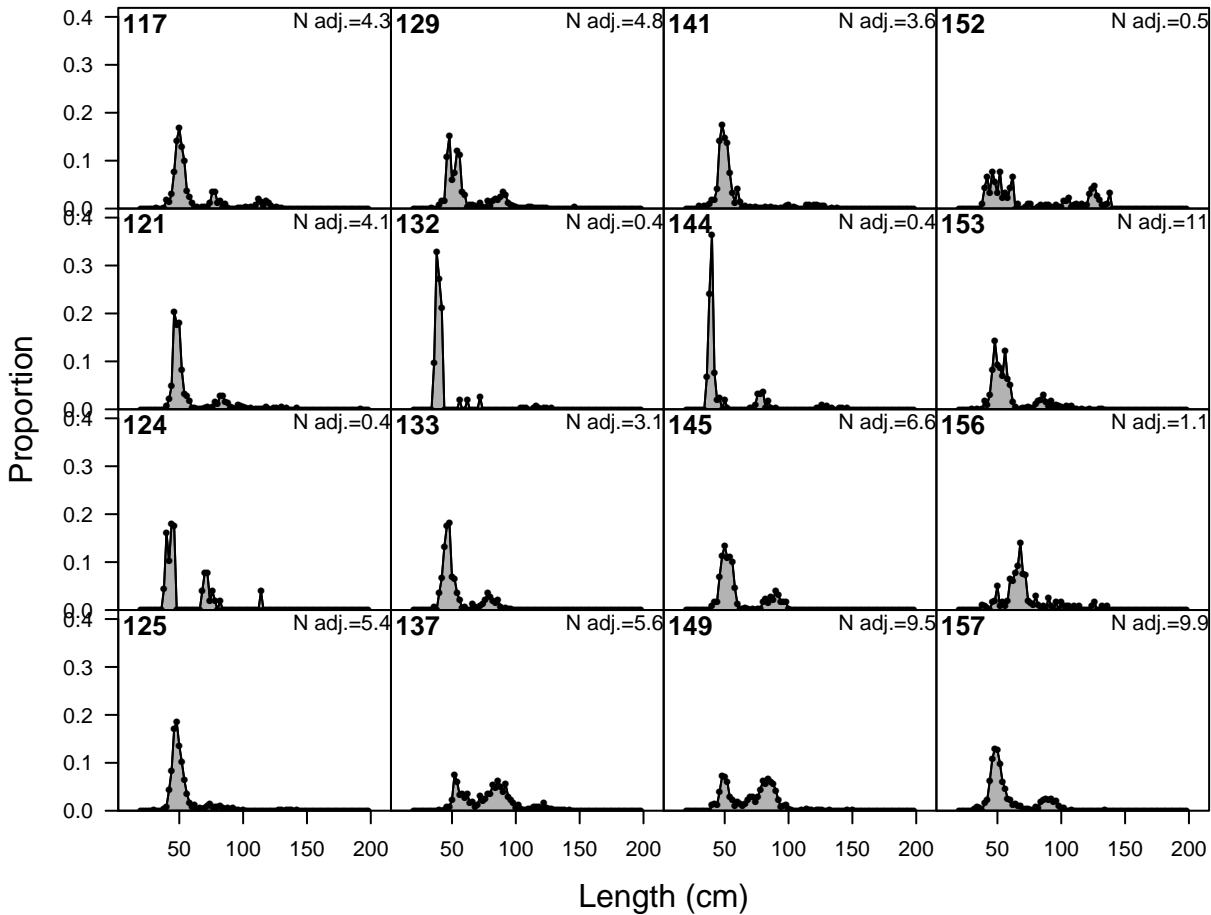


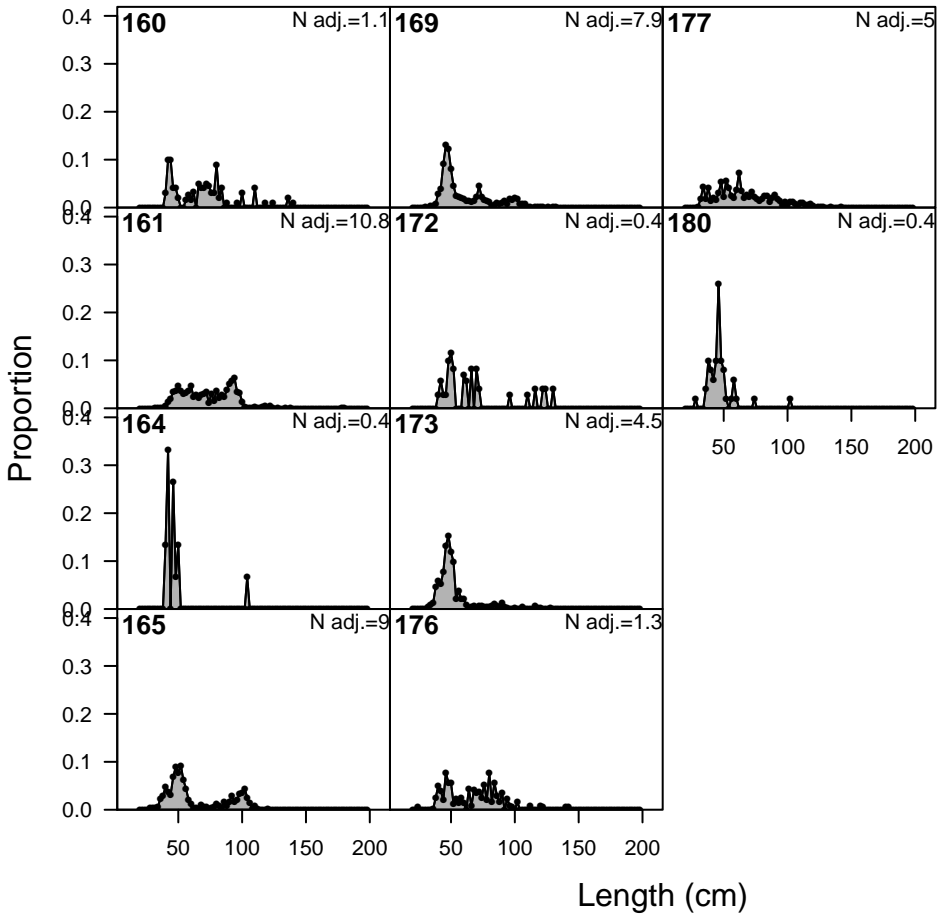


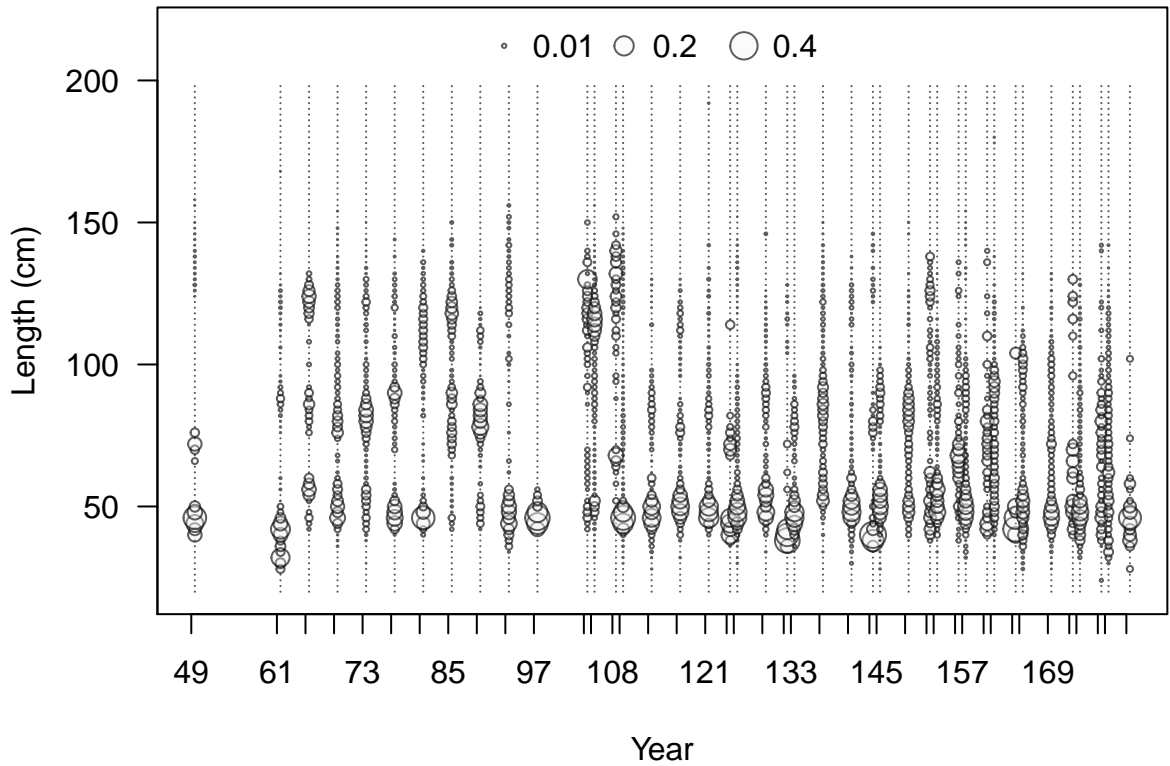
F4-OBJ_Cc_Q14 (whole catch)



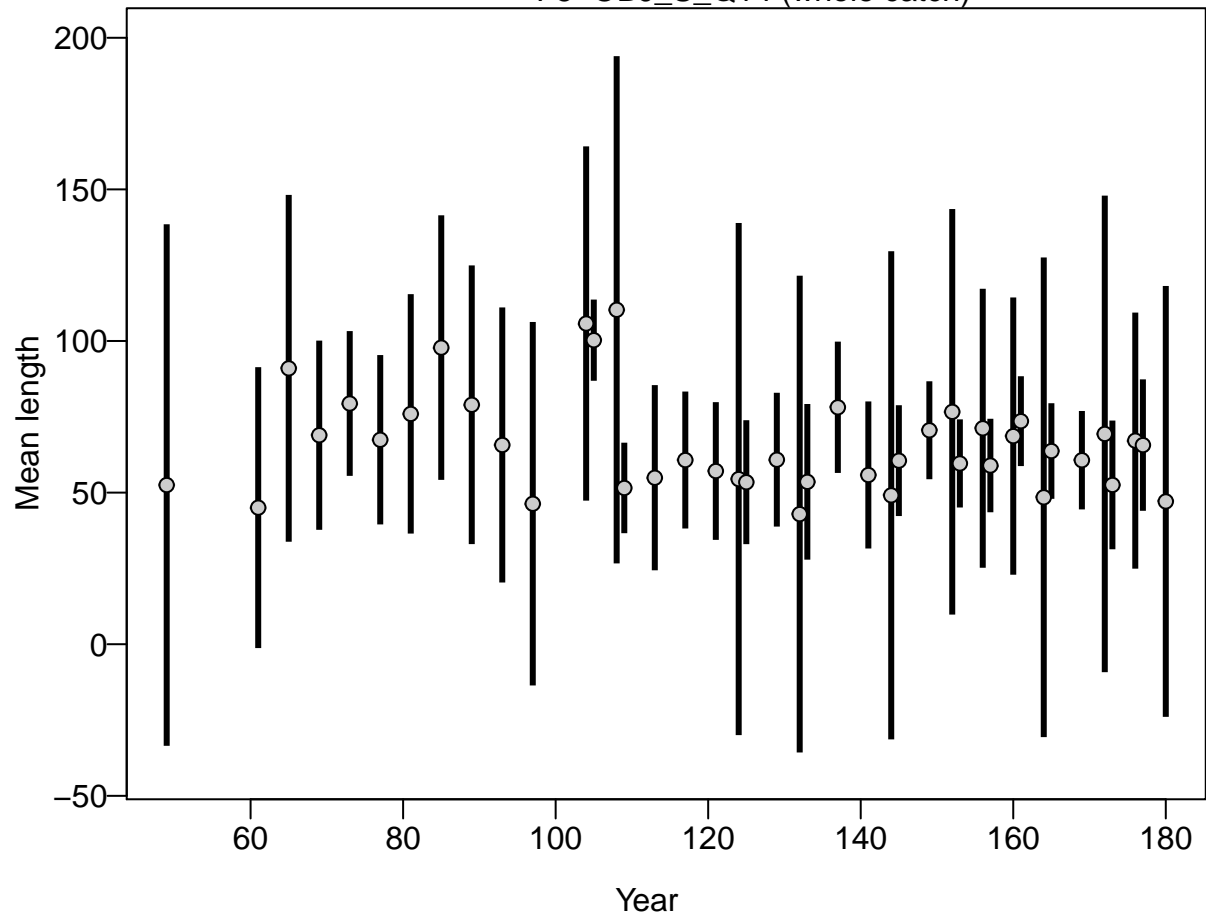


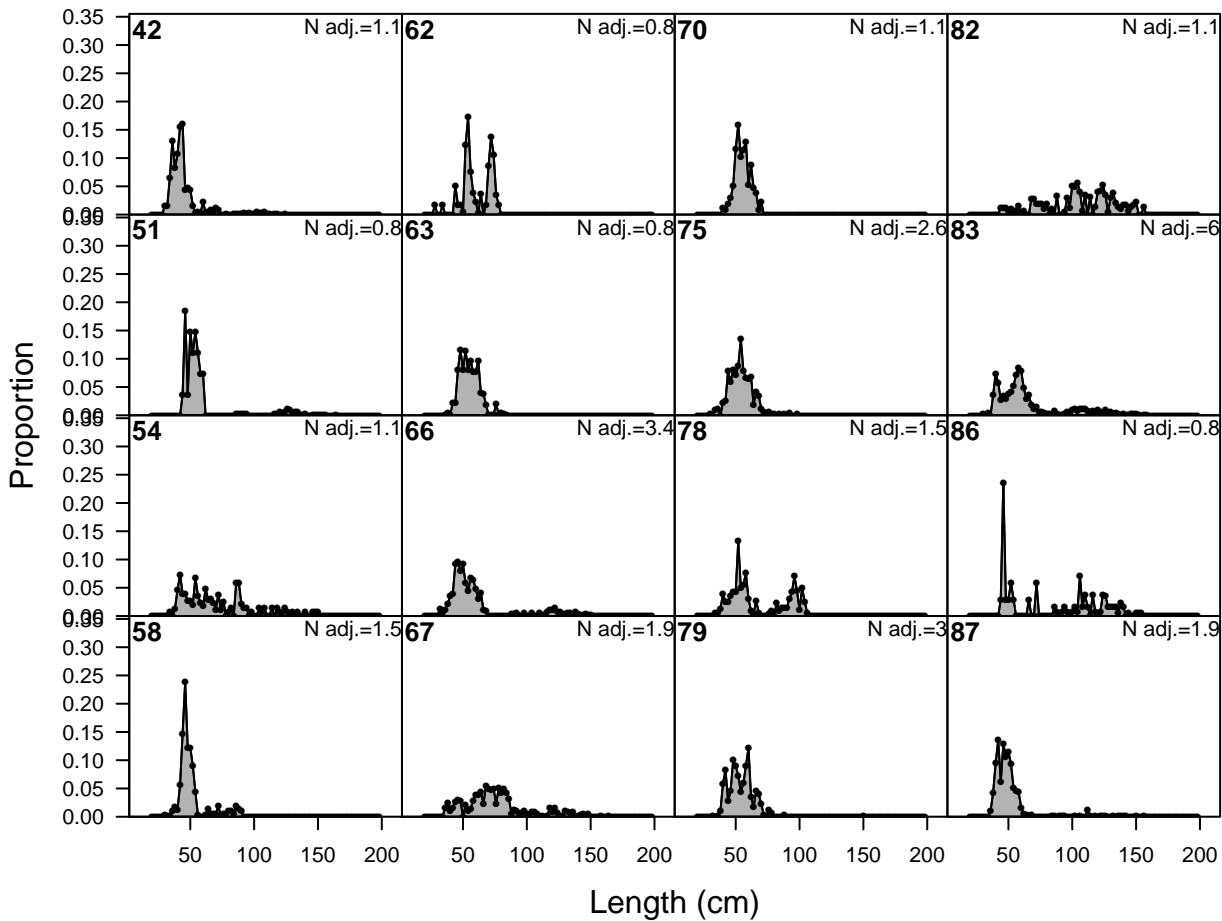




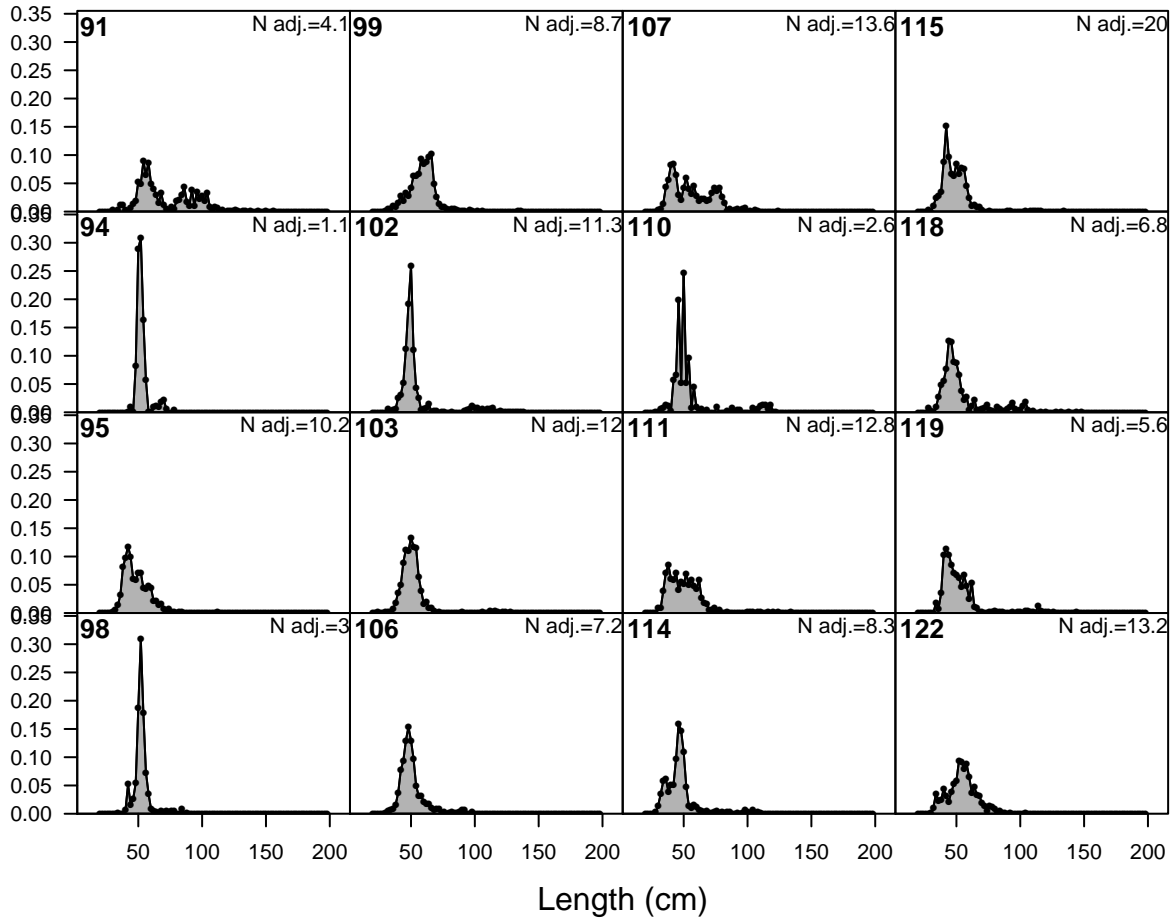


F5-OBJ_S_Q14 (whole catch)

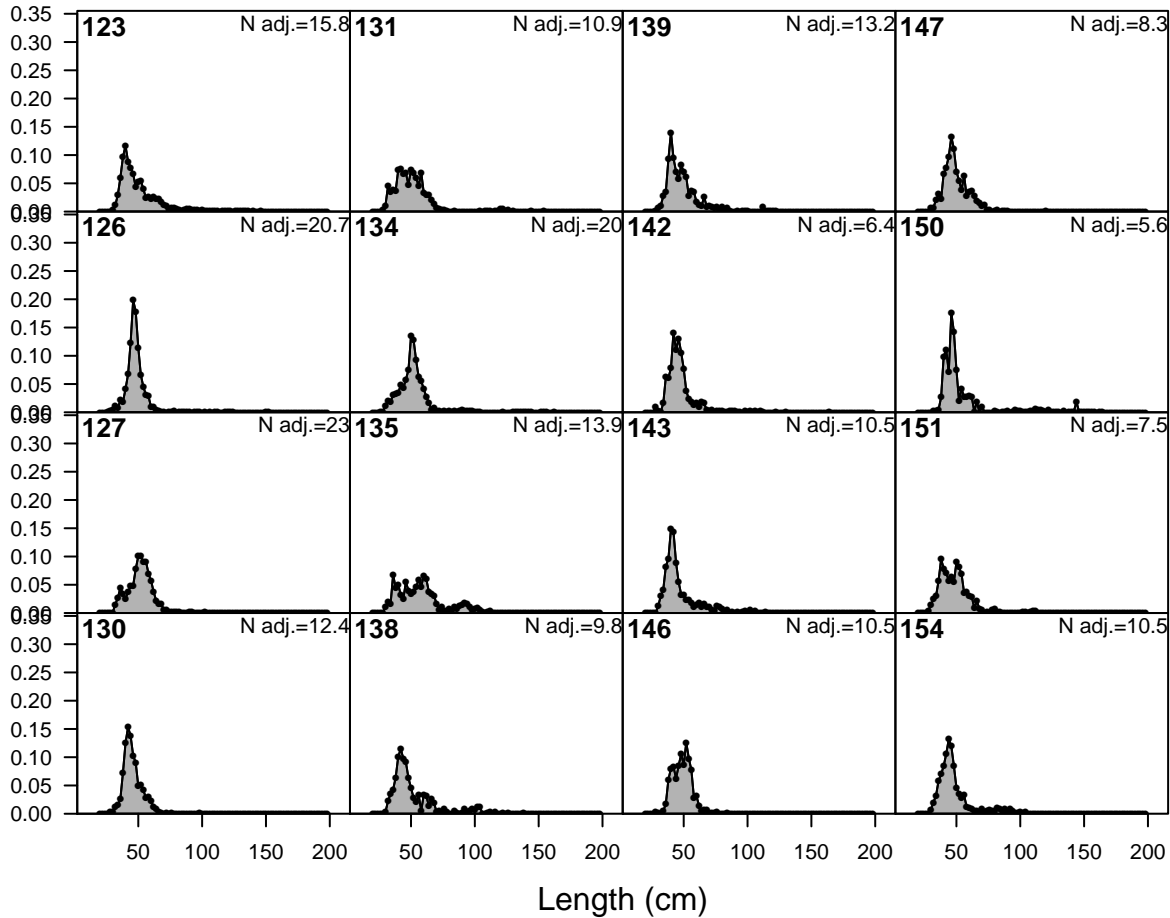




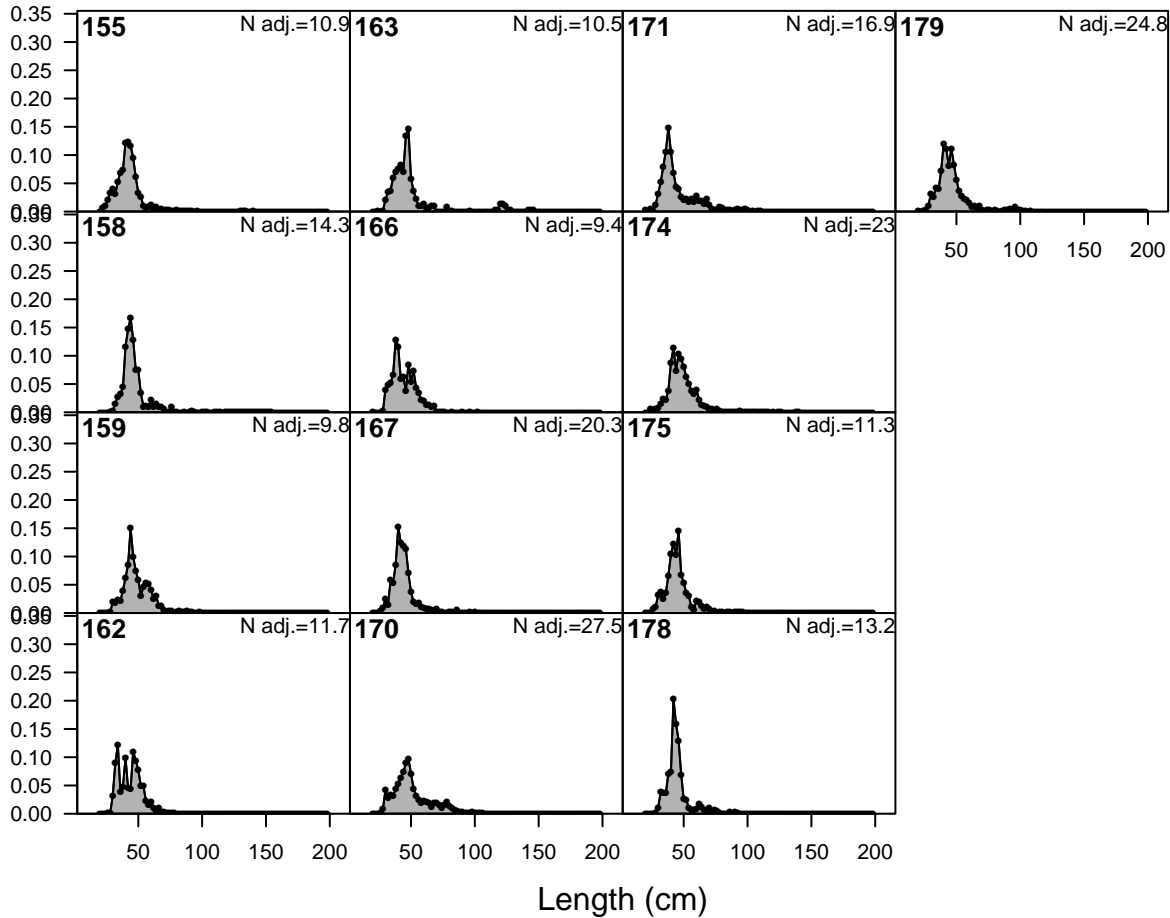
Proportion

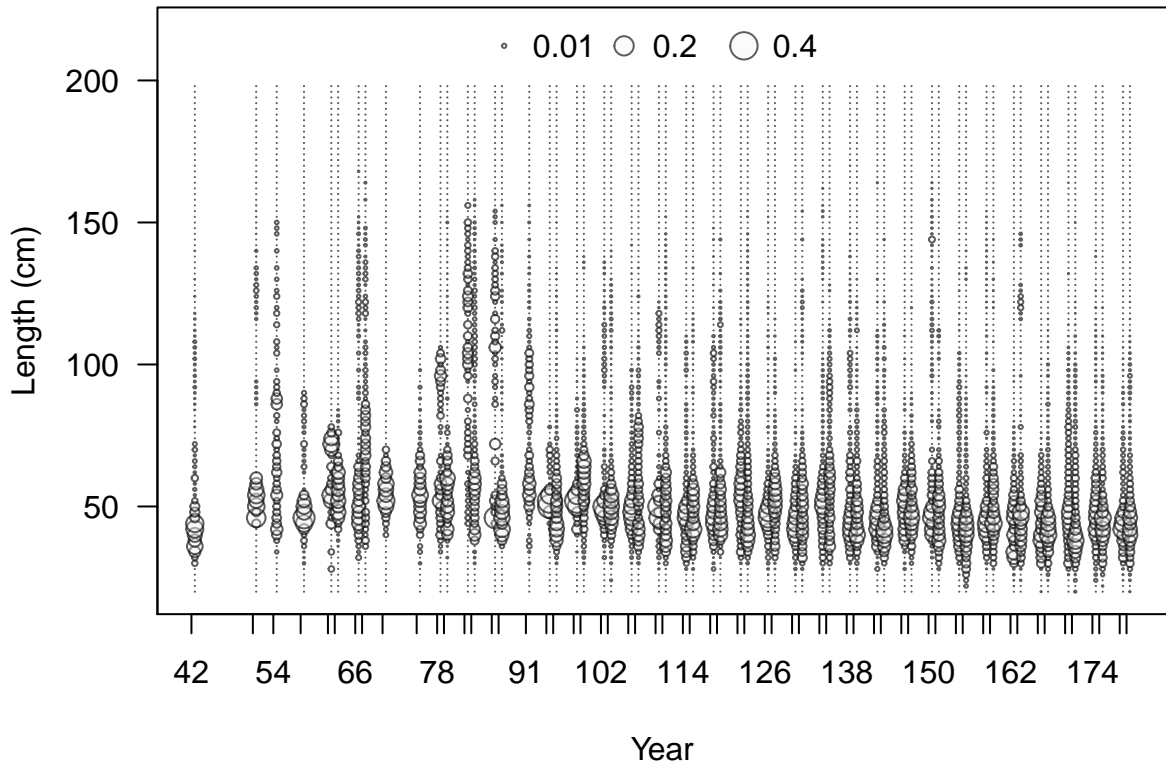


Proportion

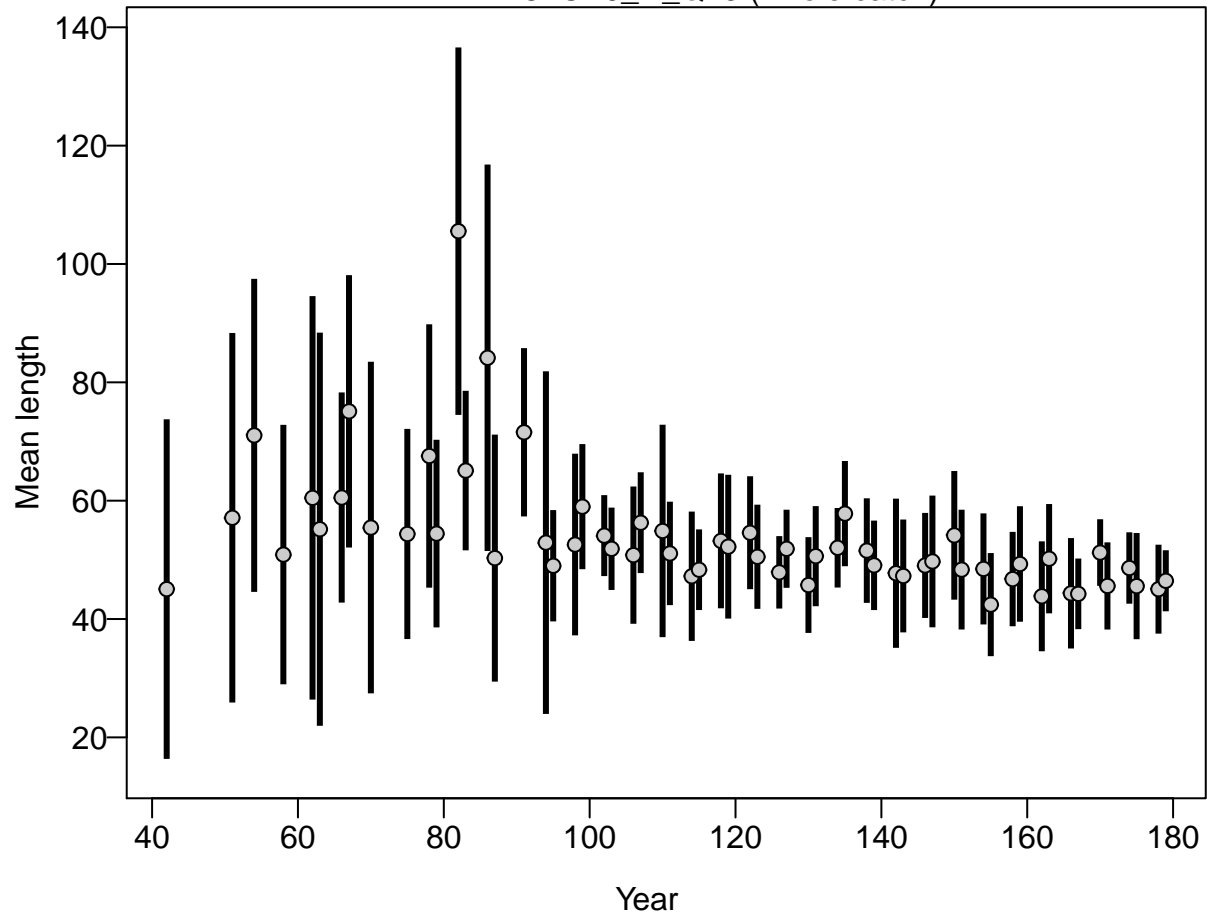


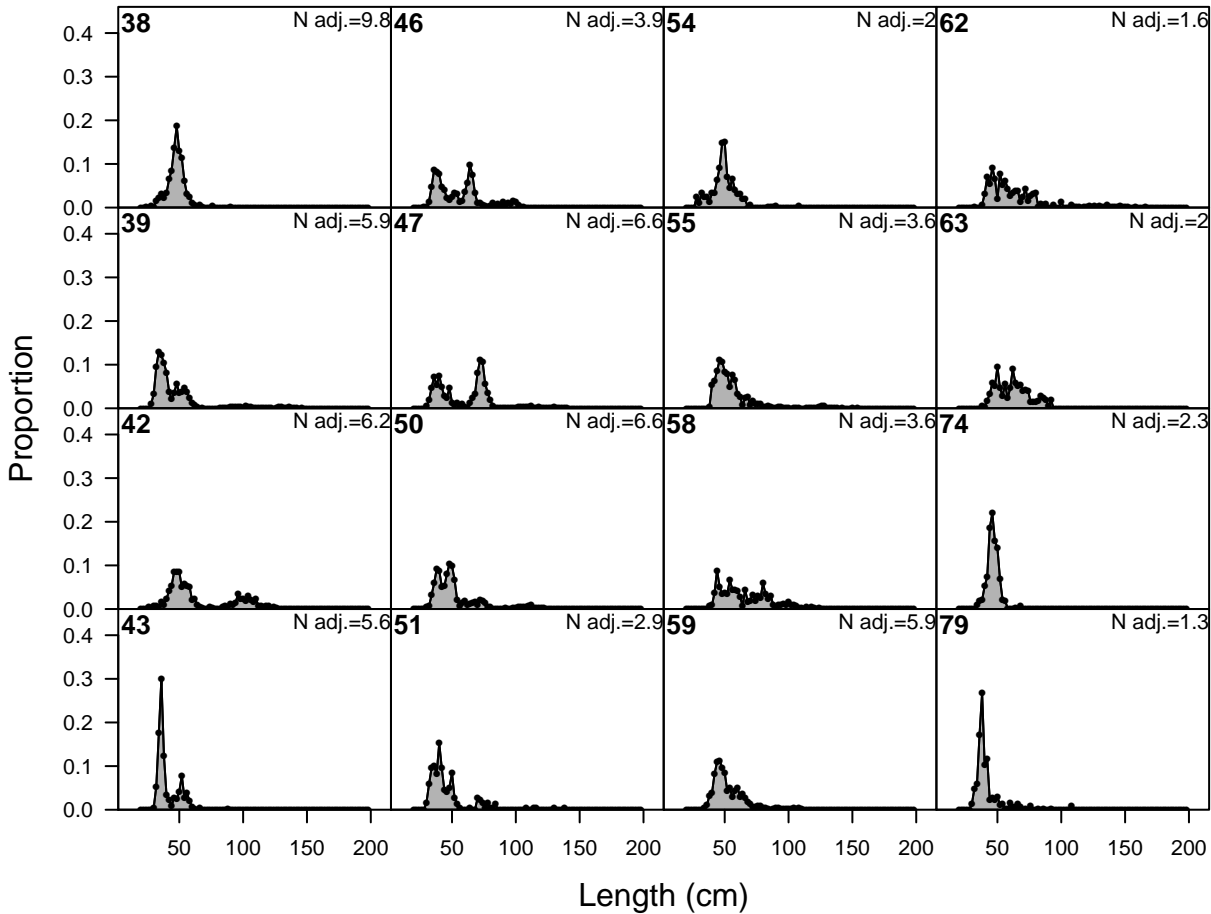
Proportion

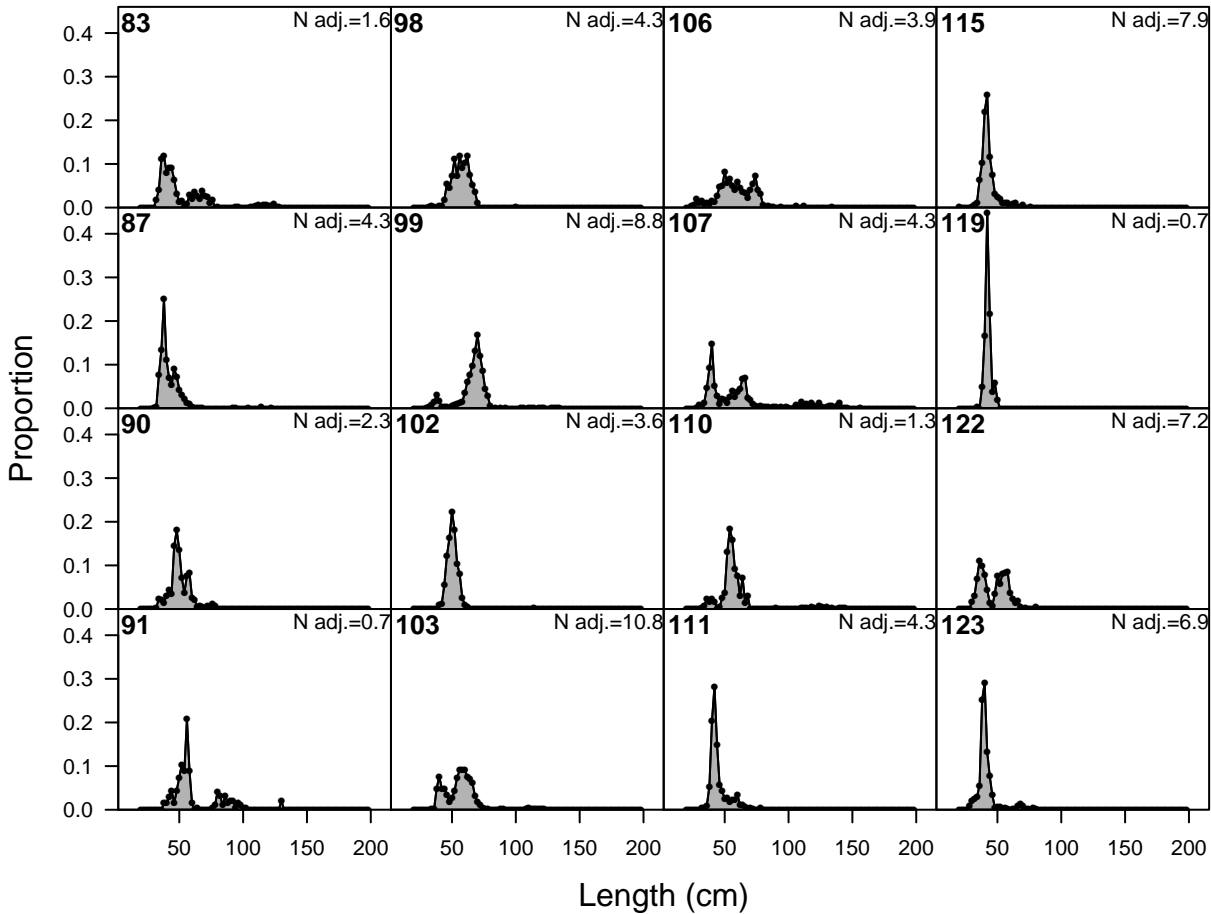


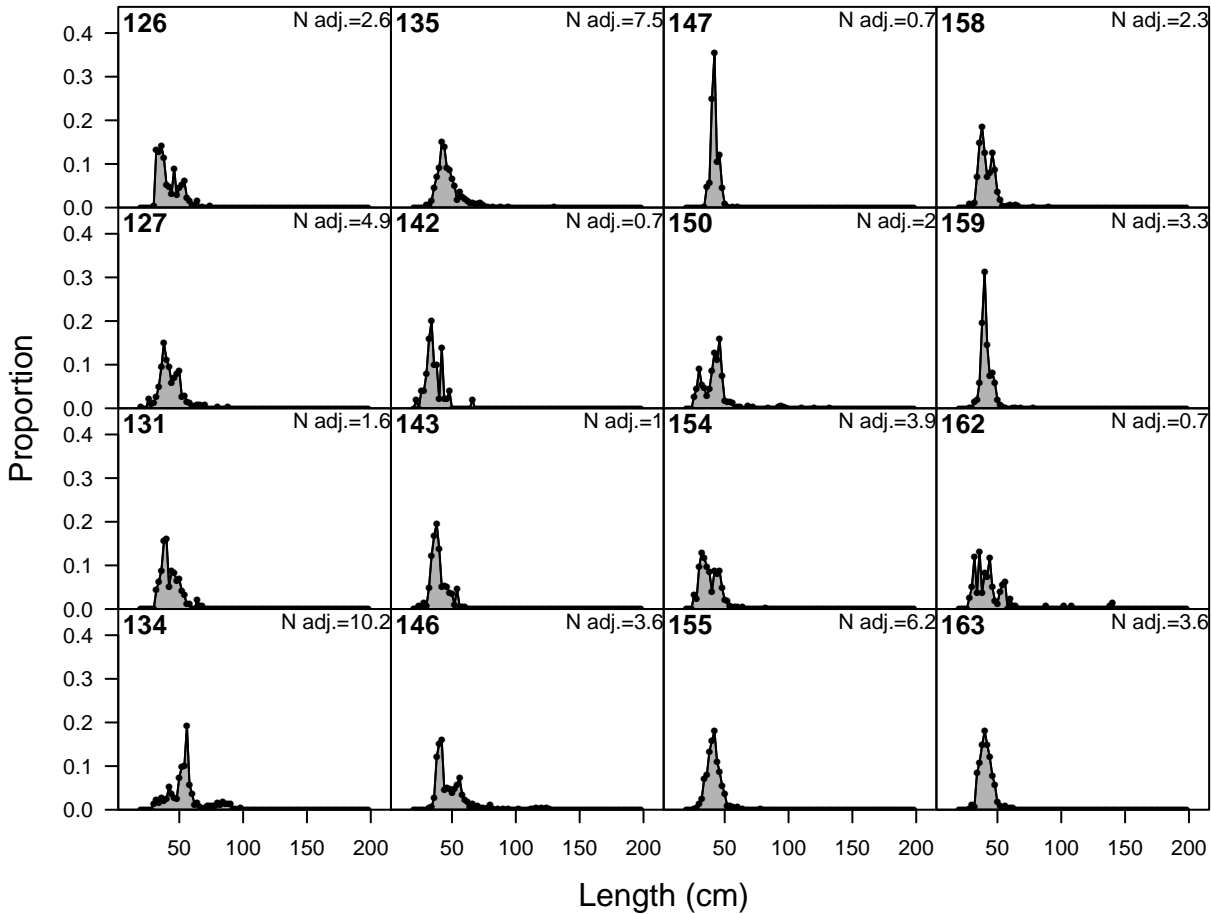


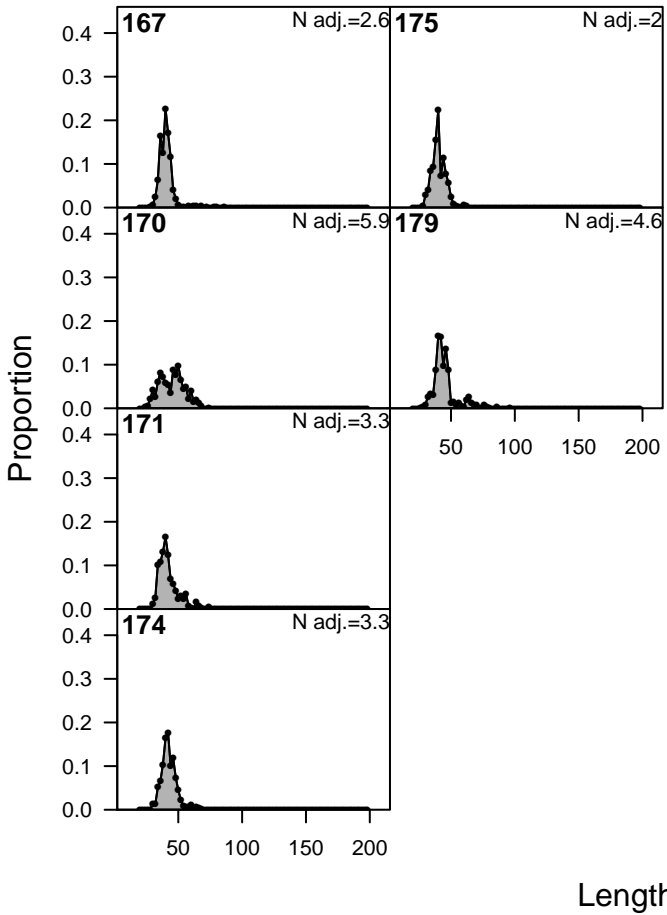
F6-OBJ_N_Q23 (whole catch)

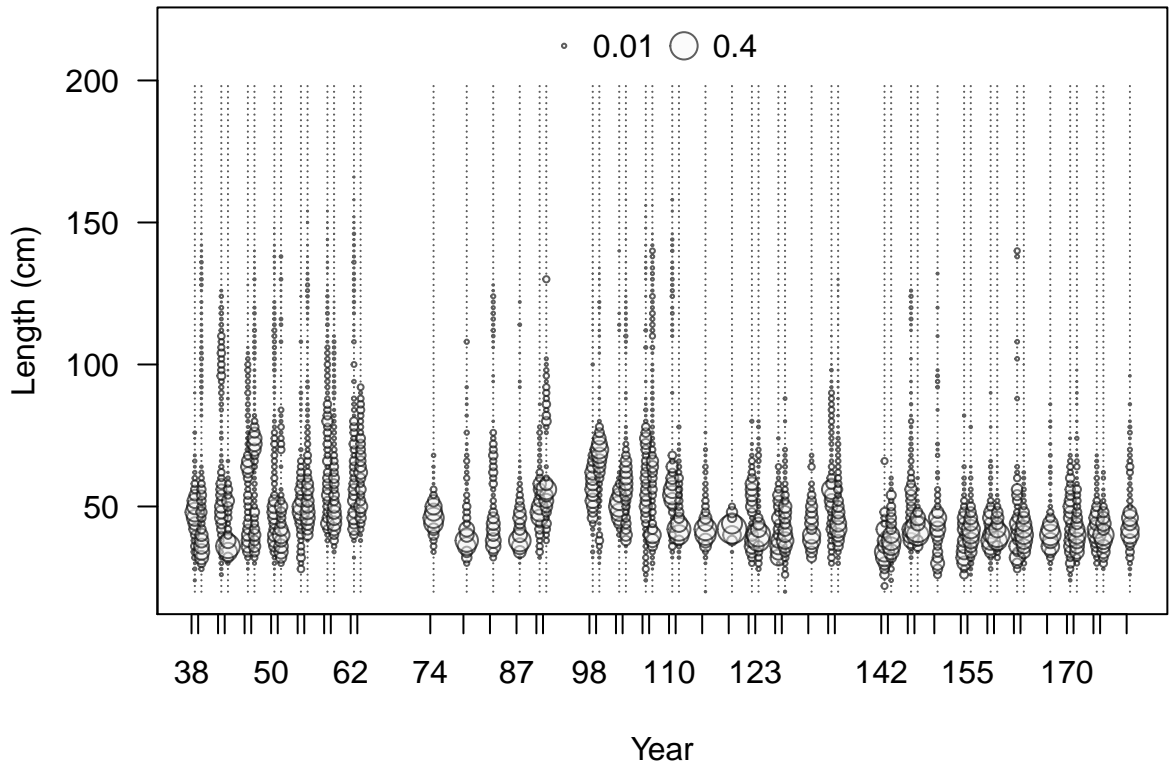




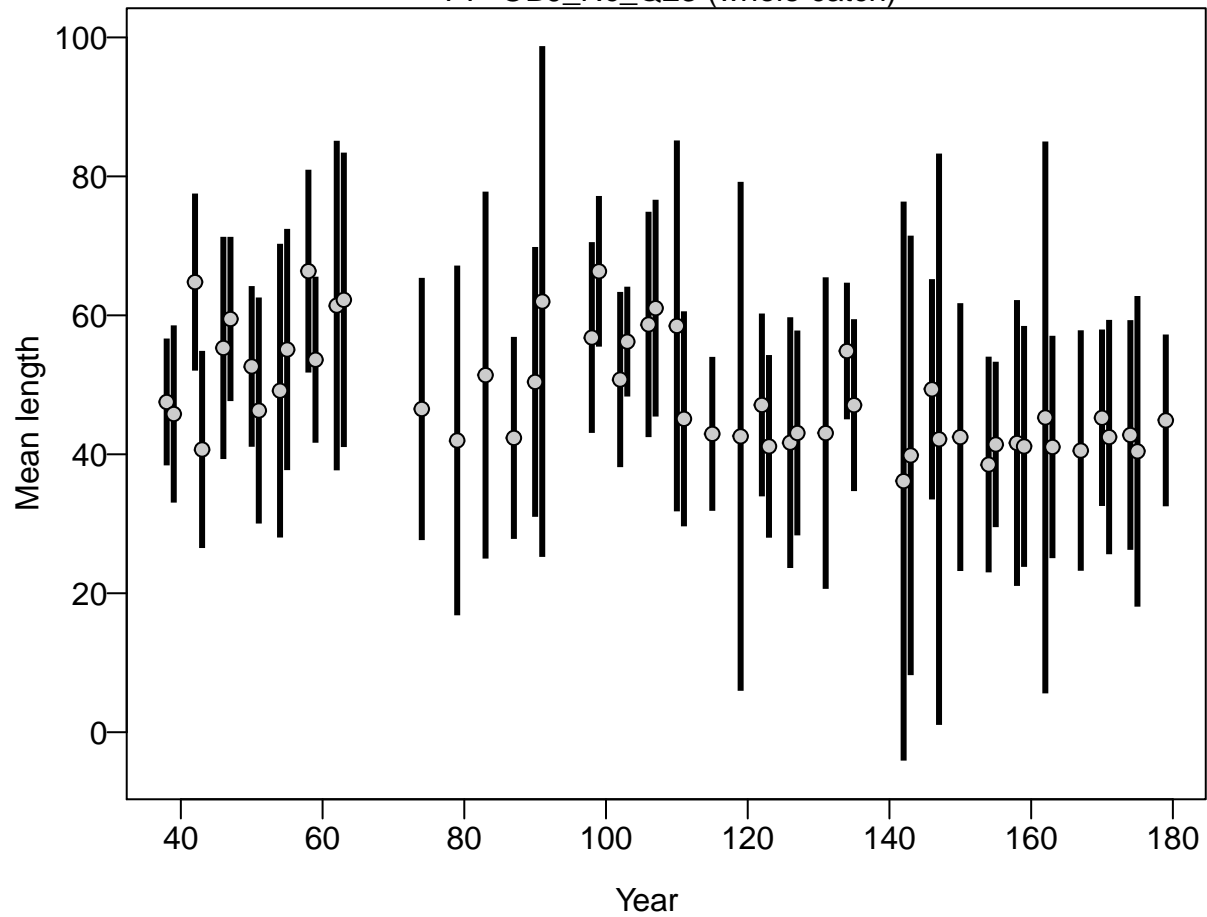


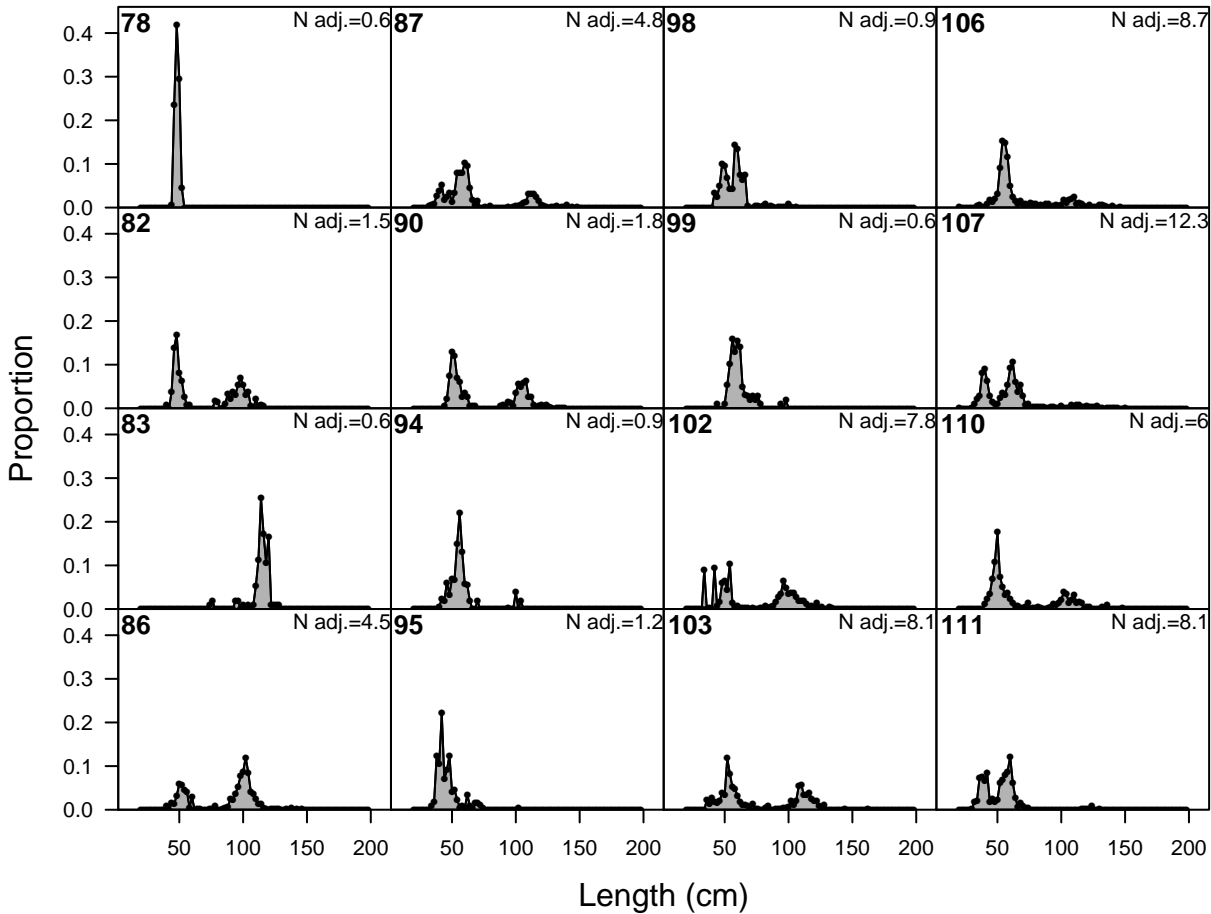


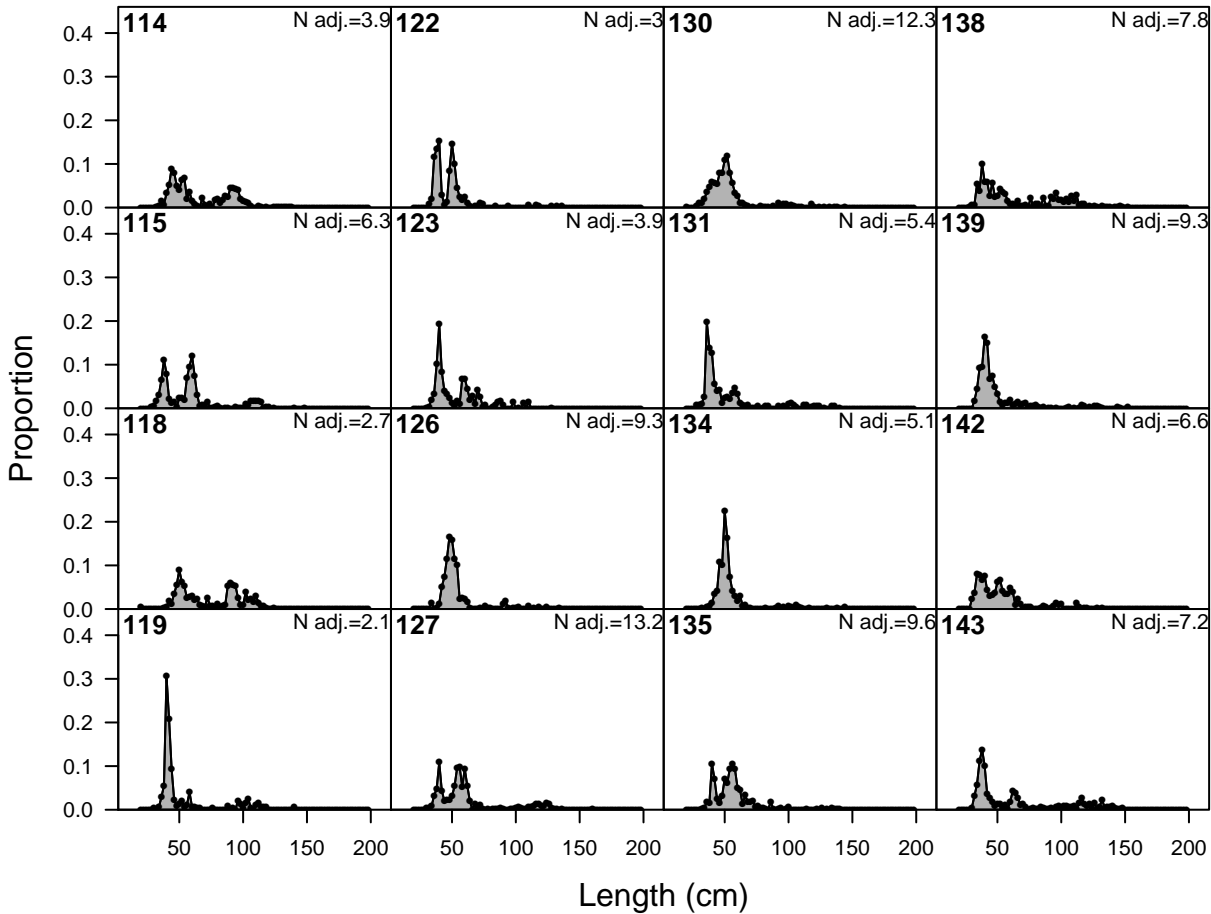


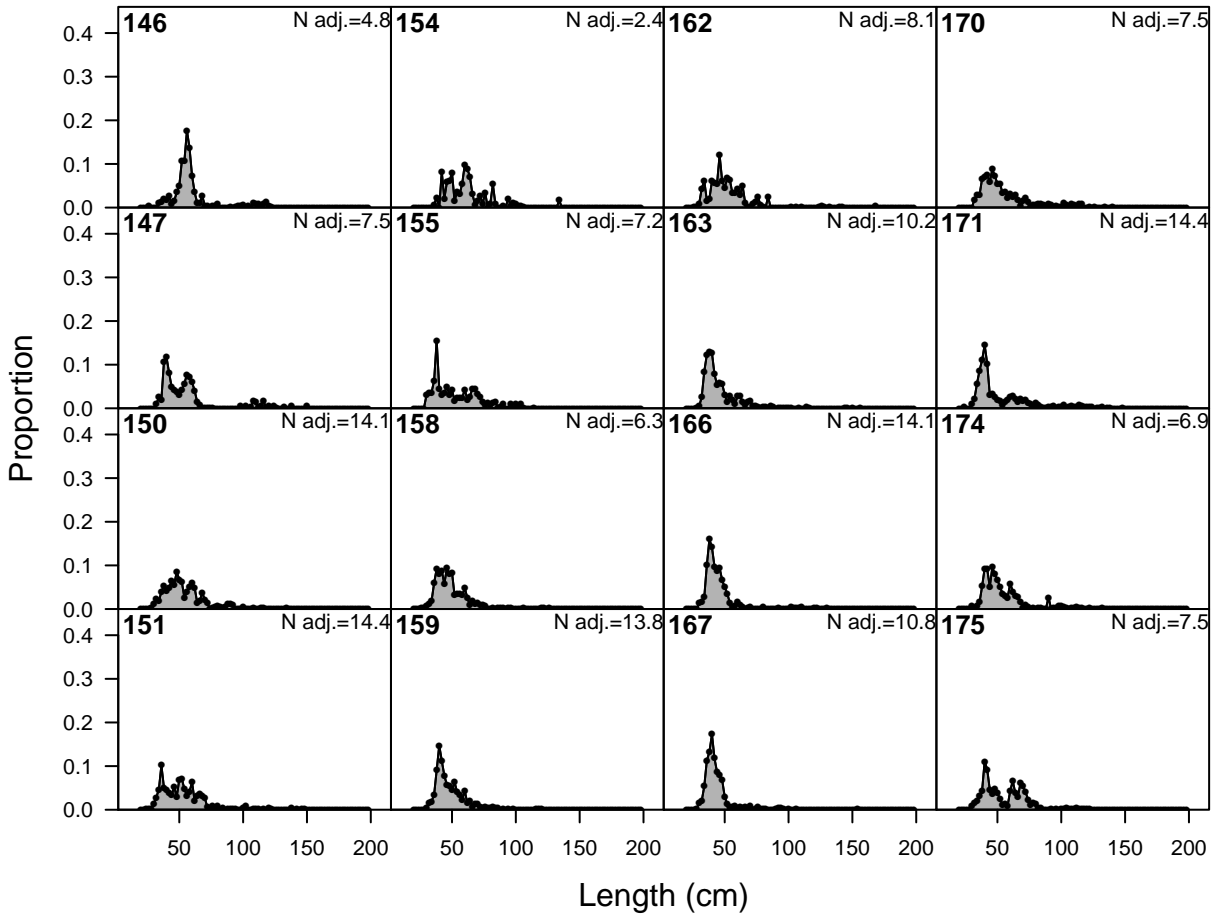


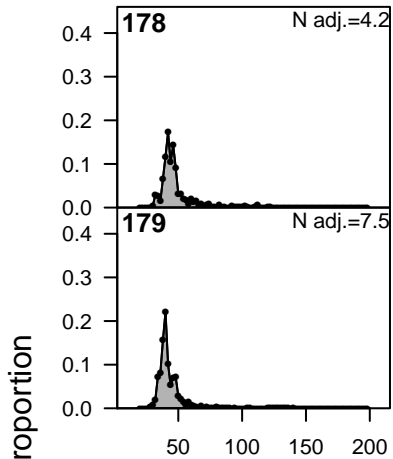
F7-OBJ_Nc_Q23 (whole catch)



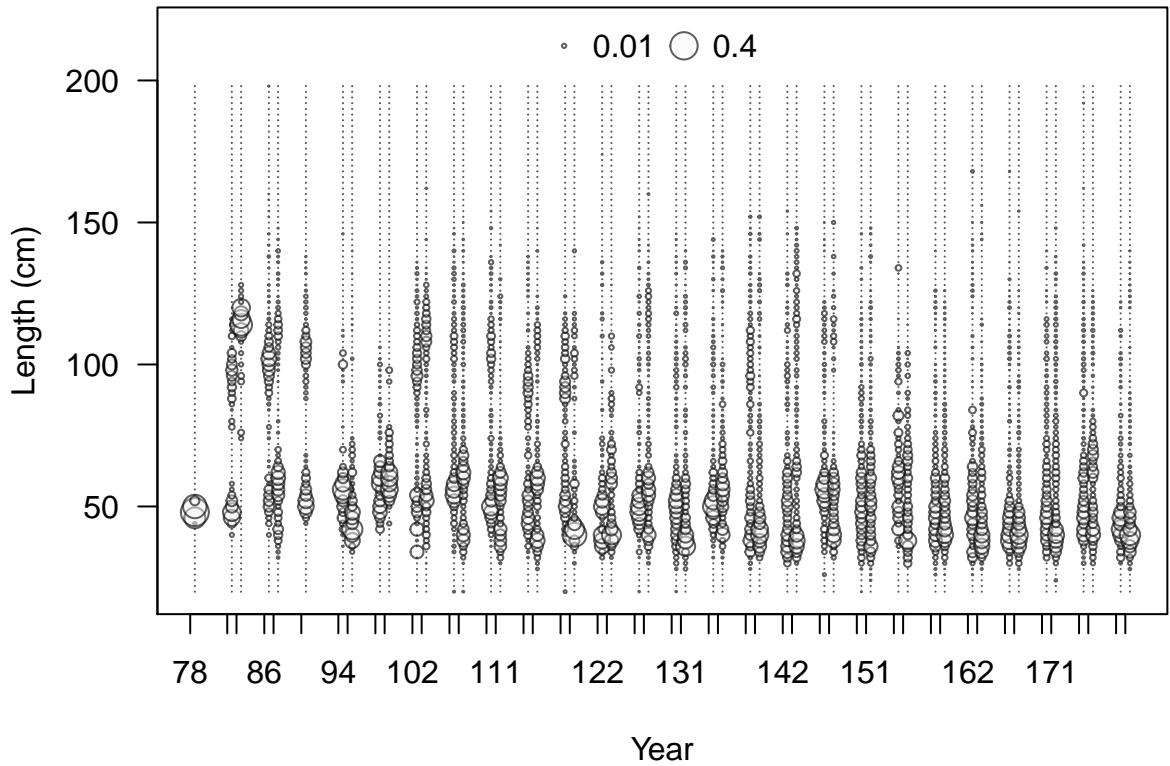




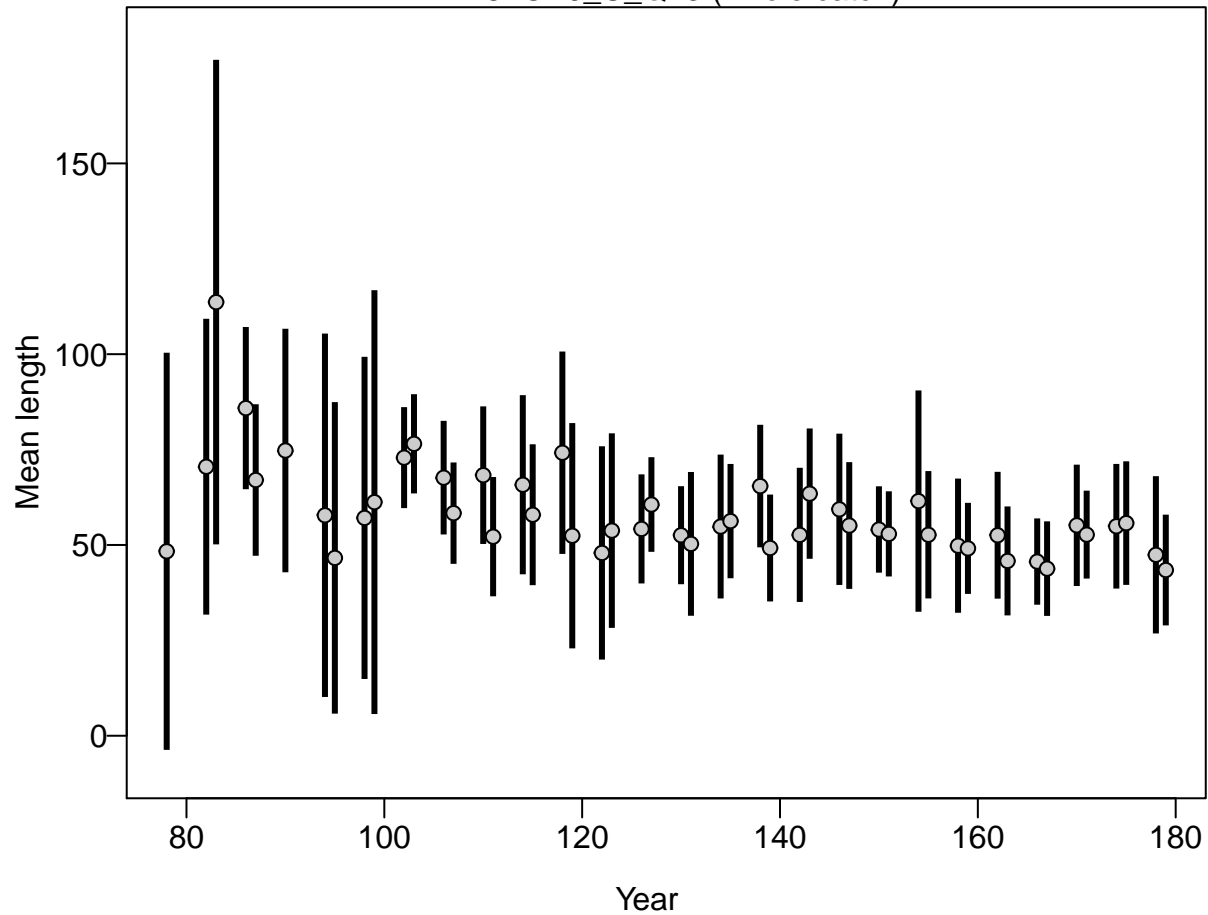


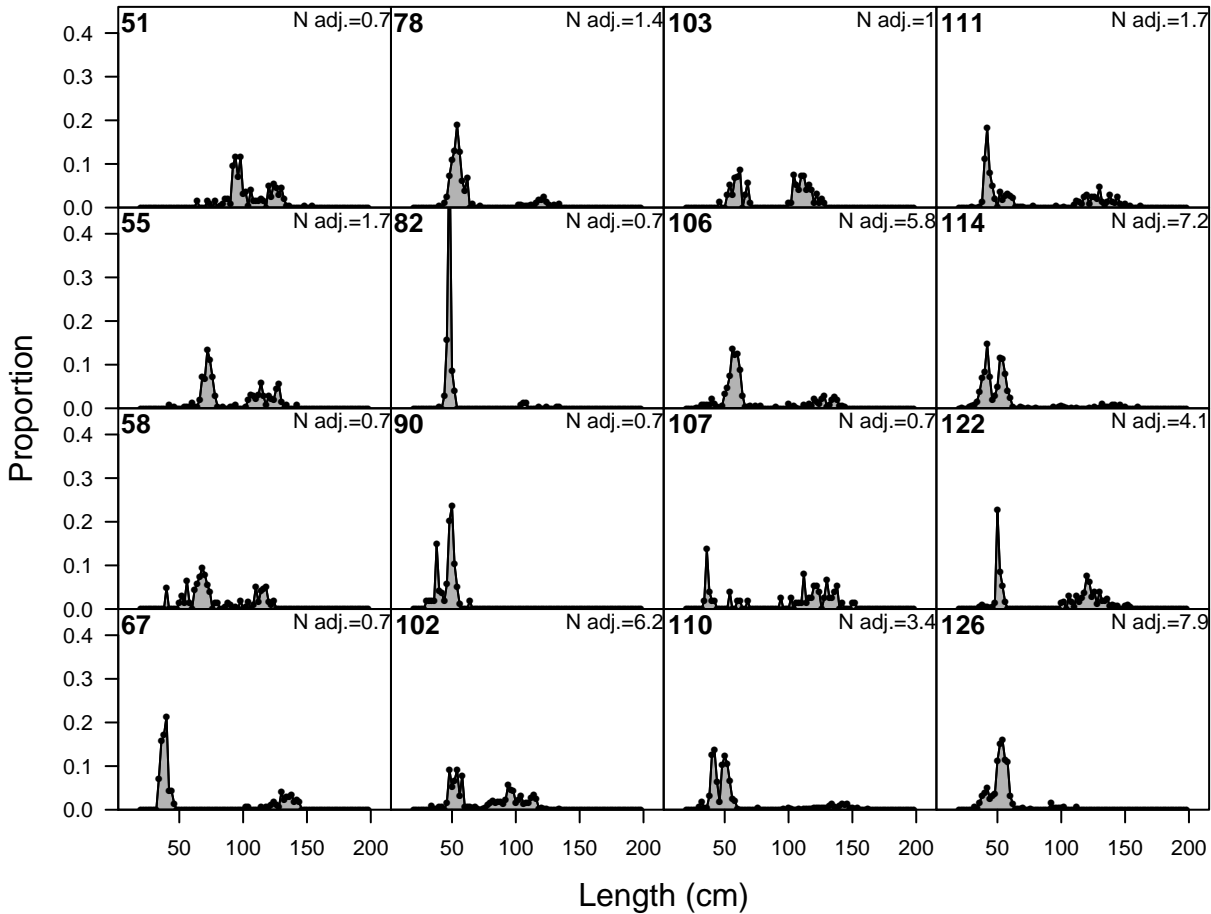


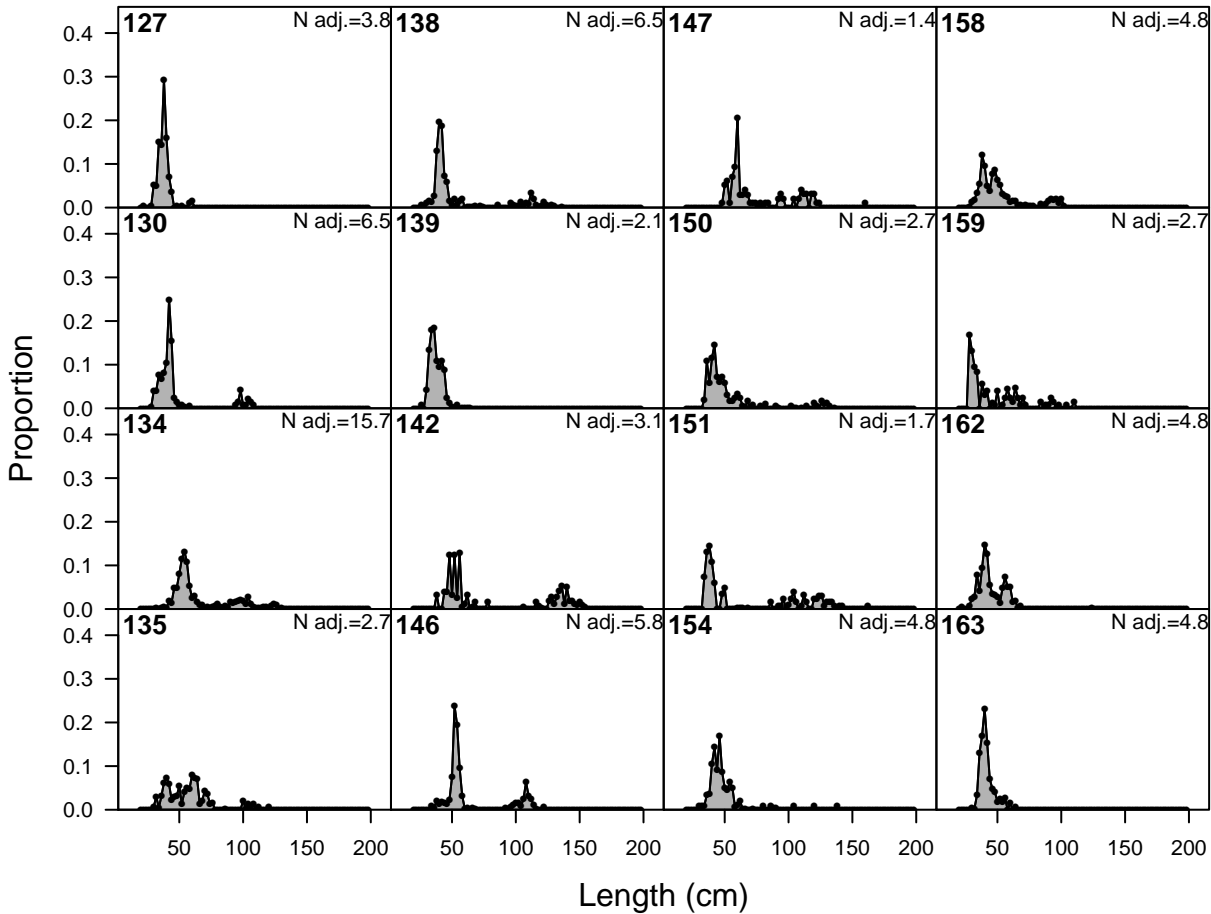
Length (cm)

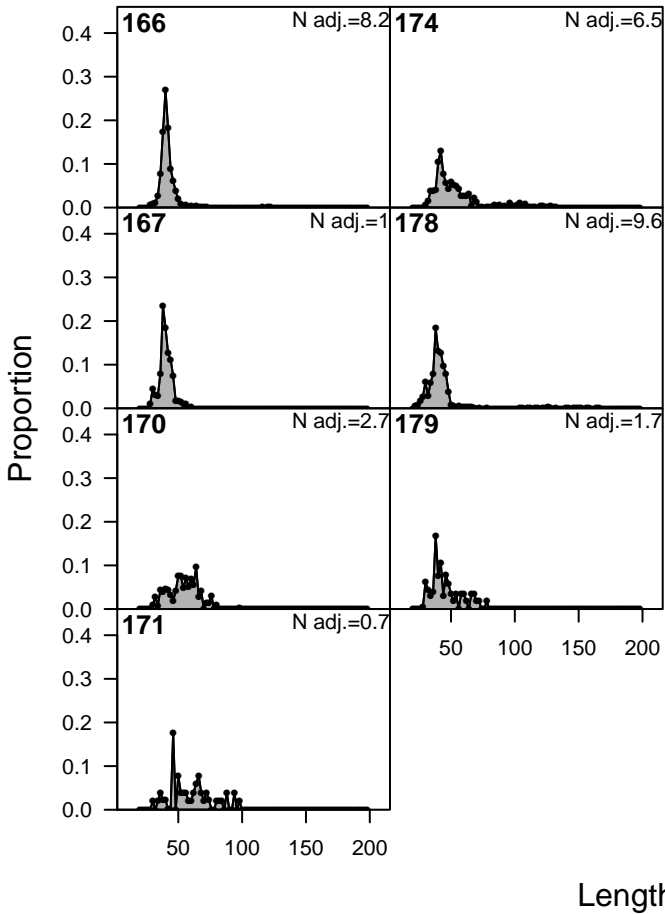


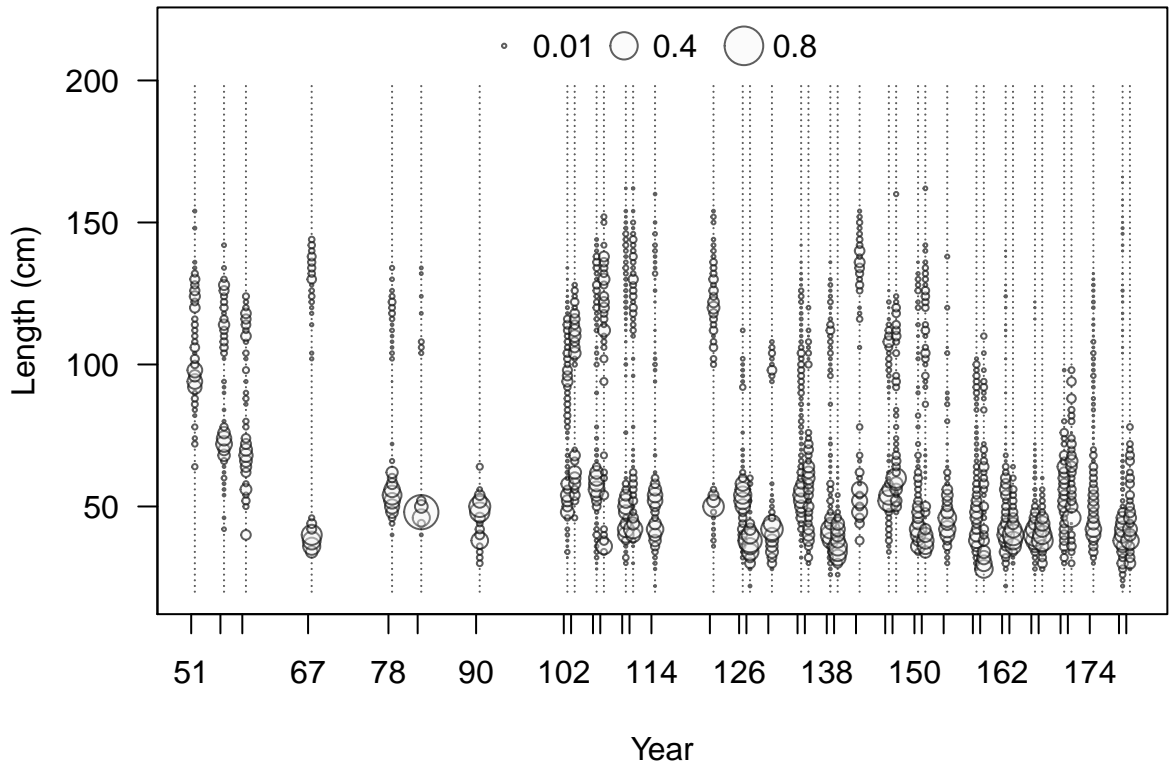
F8-OBJ_C_Q23 (whole catch)



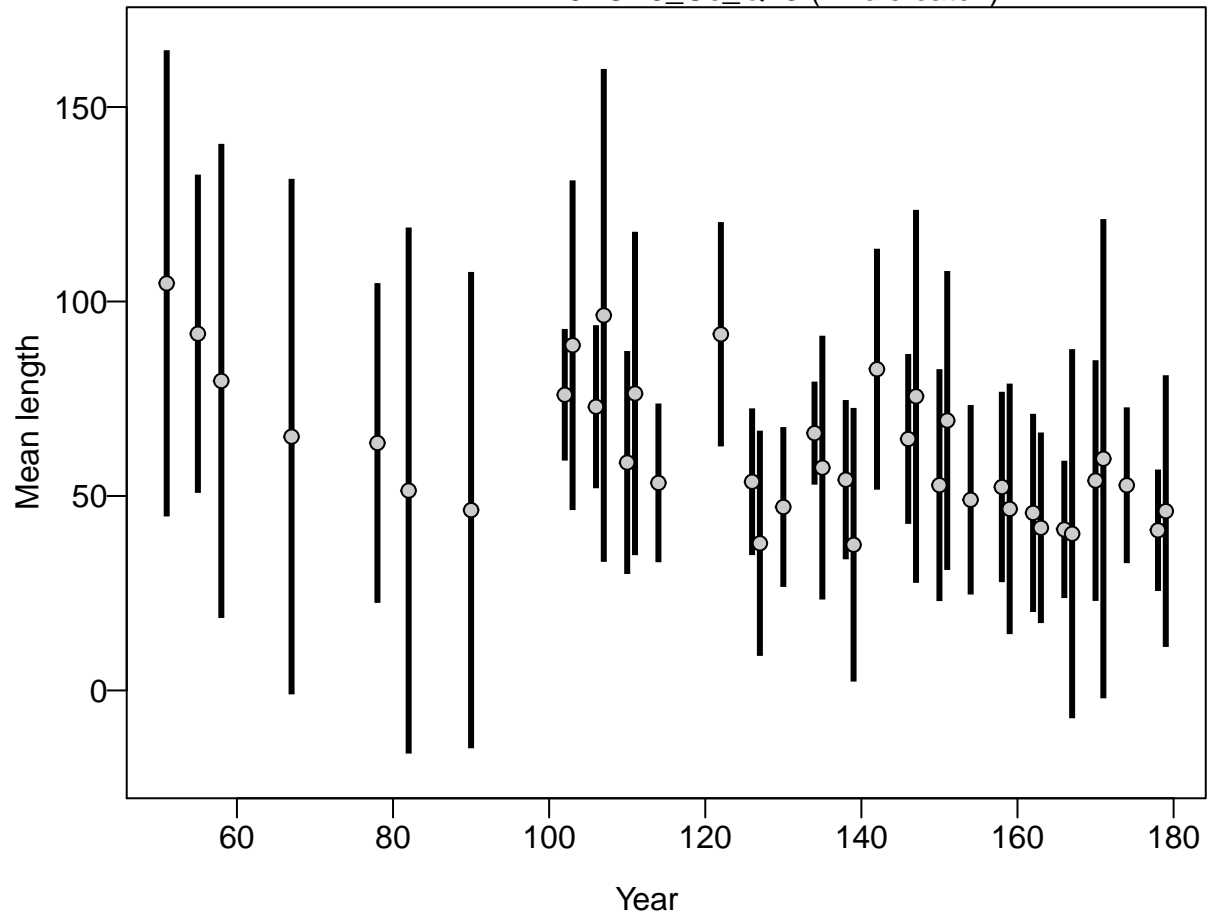




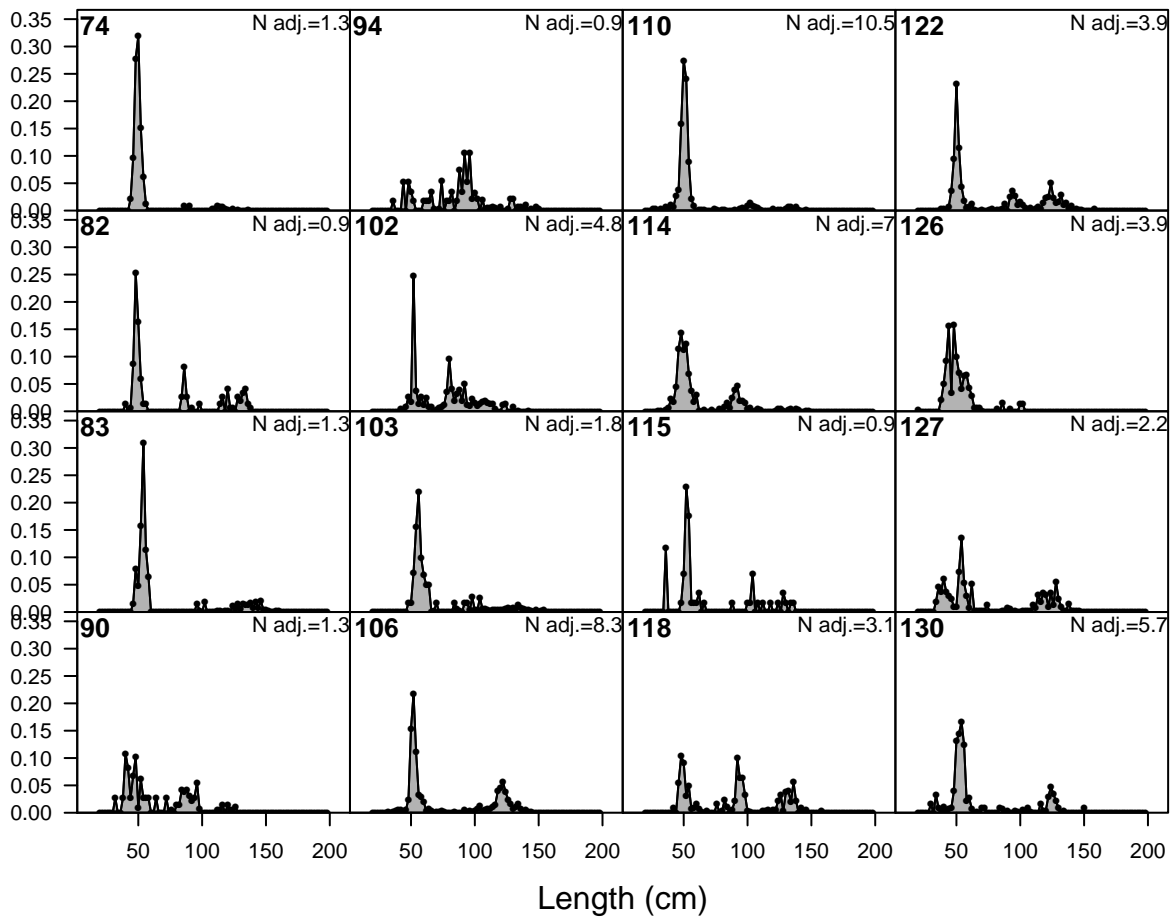




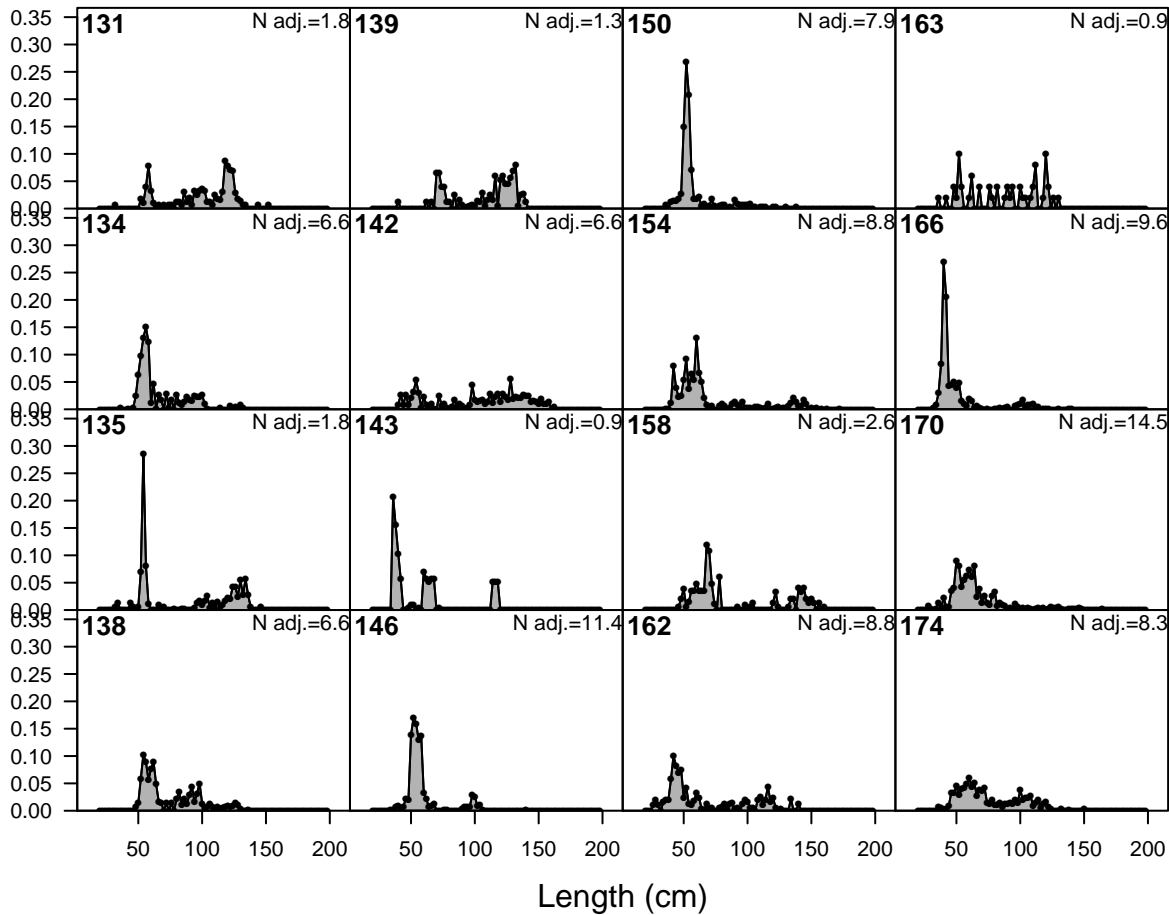
F9-OBJ_Cc_Q23 (whole catch)

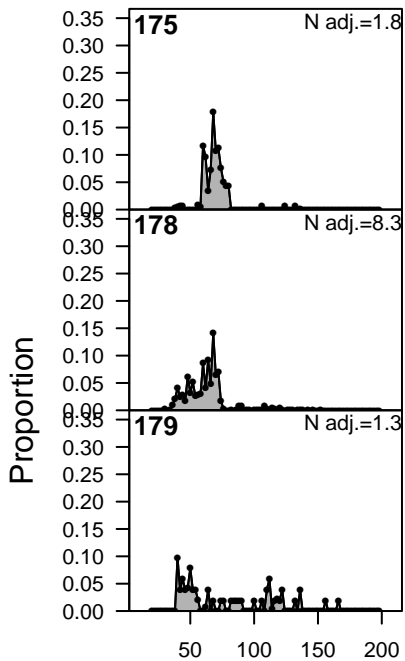


Proportion

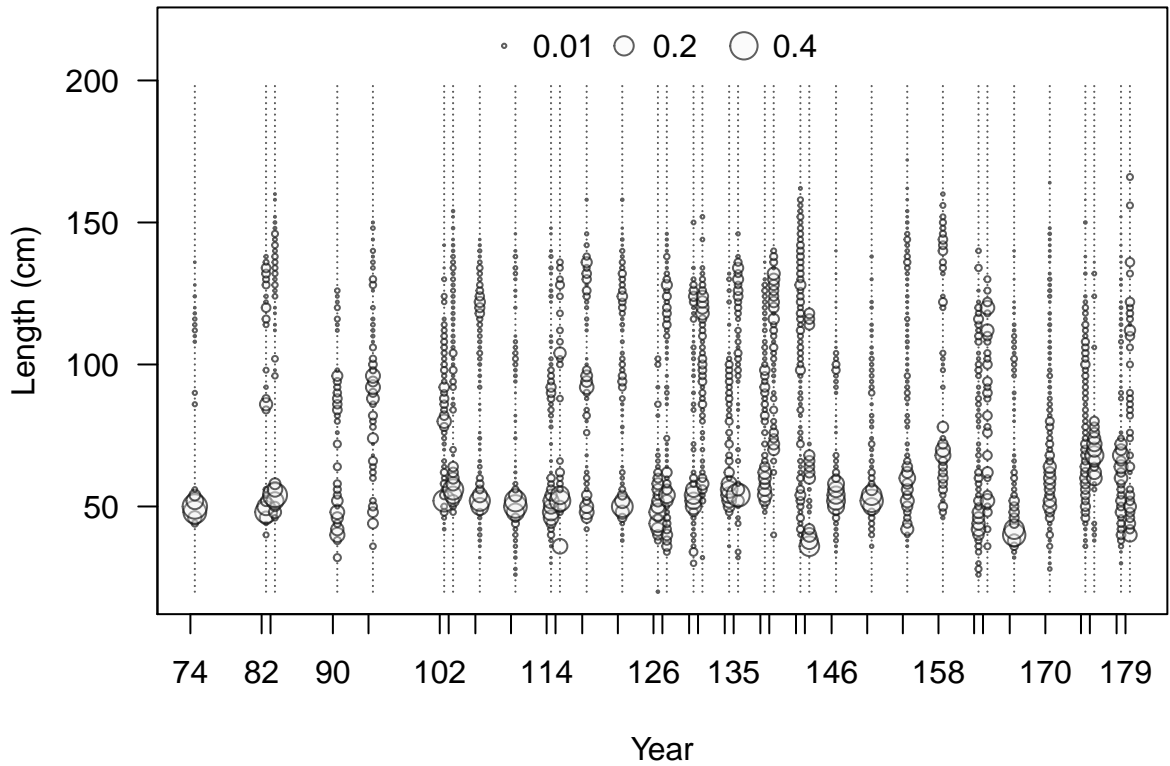


Proportion

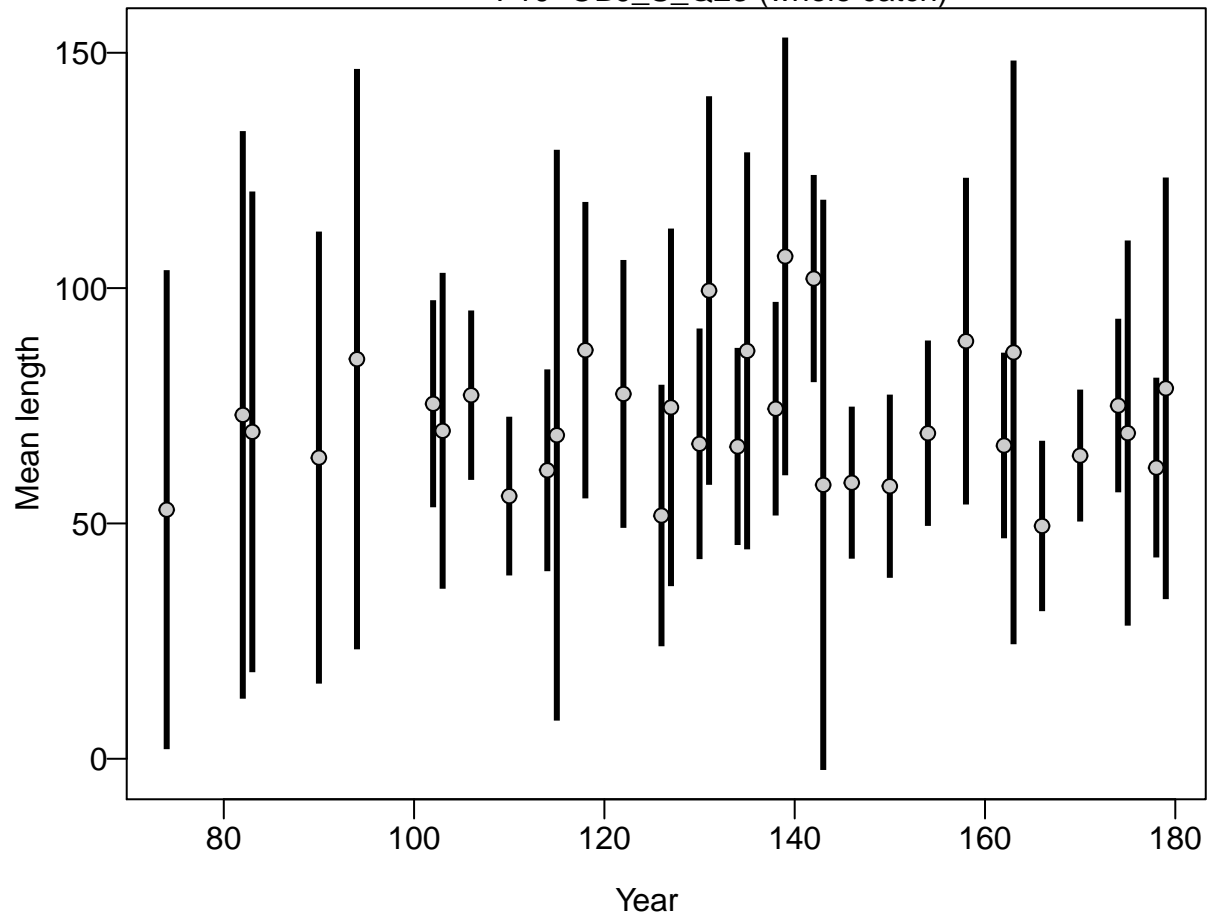




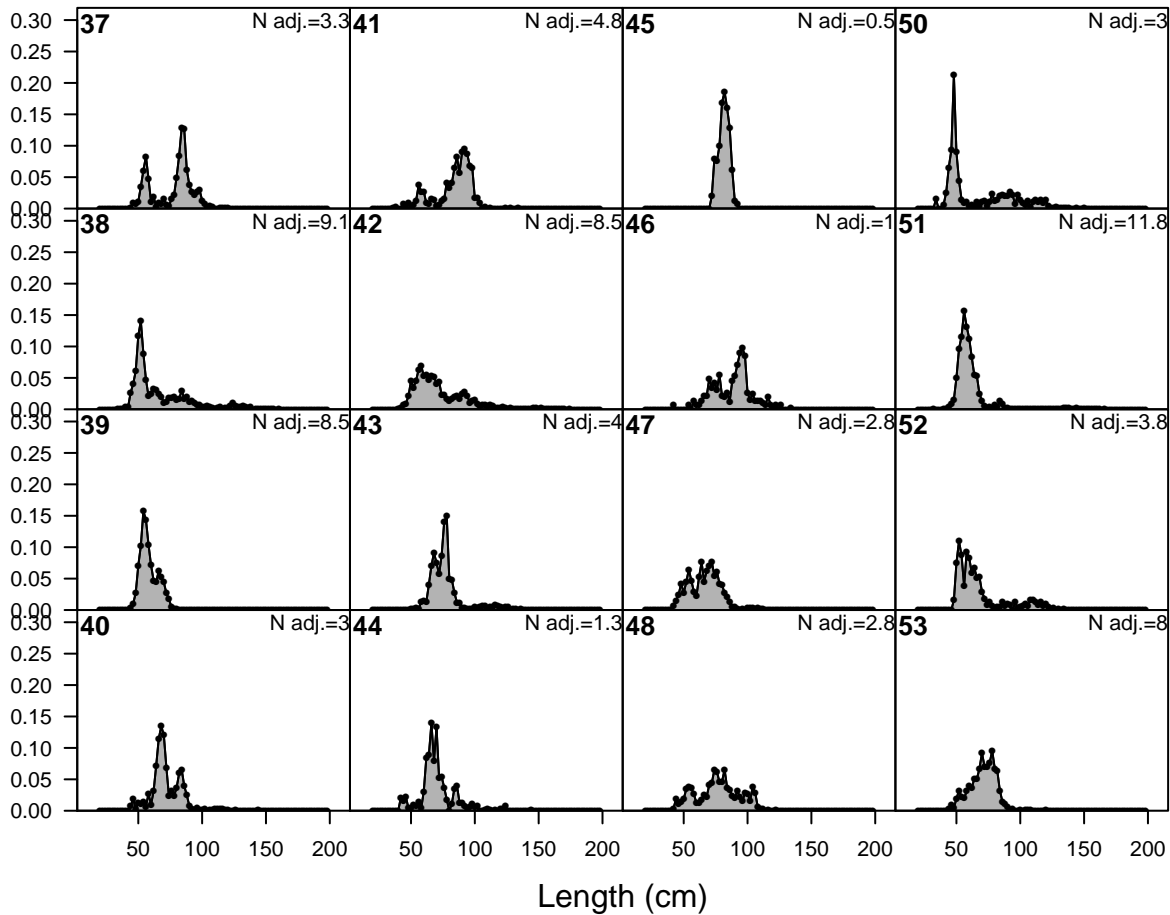
Length (cm)



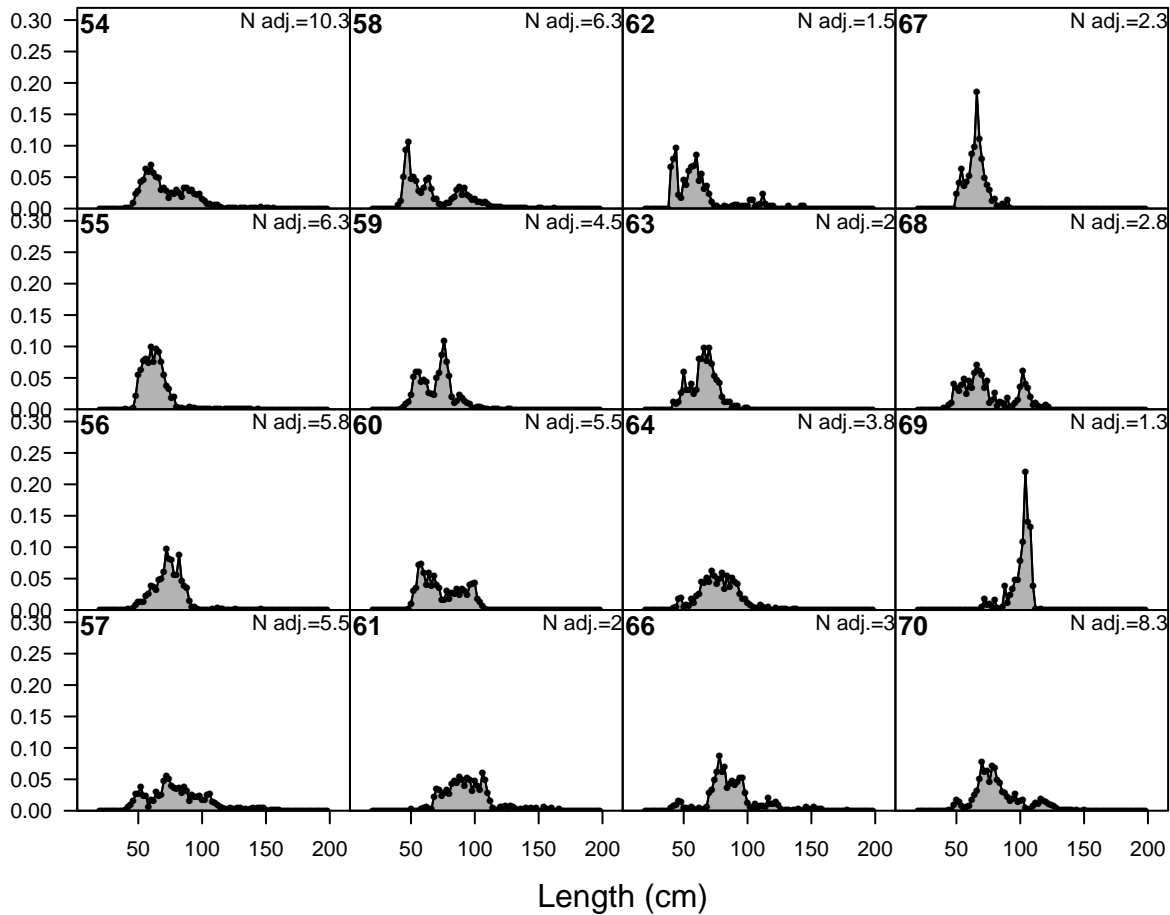
F10-OBJ_S_Q23 (whole catch)



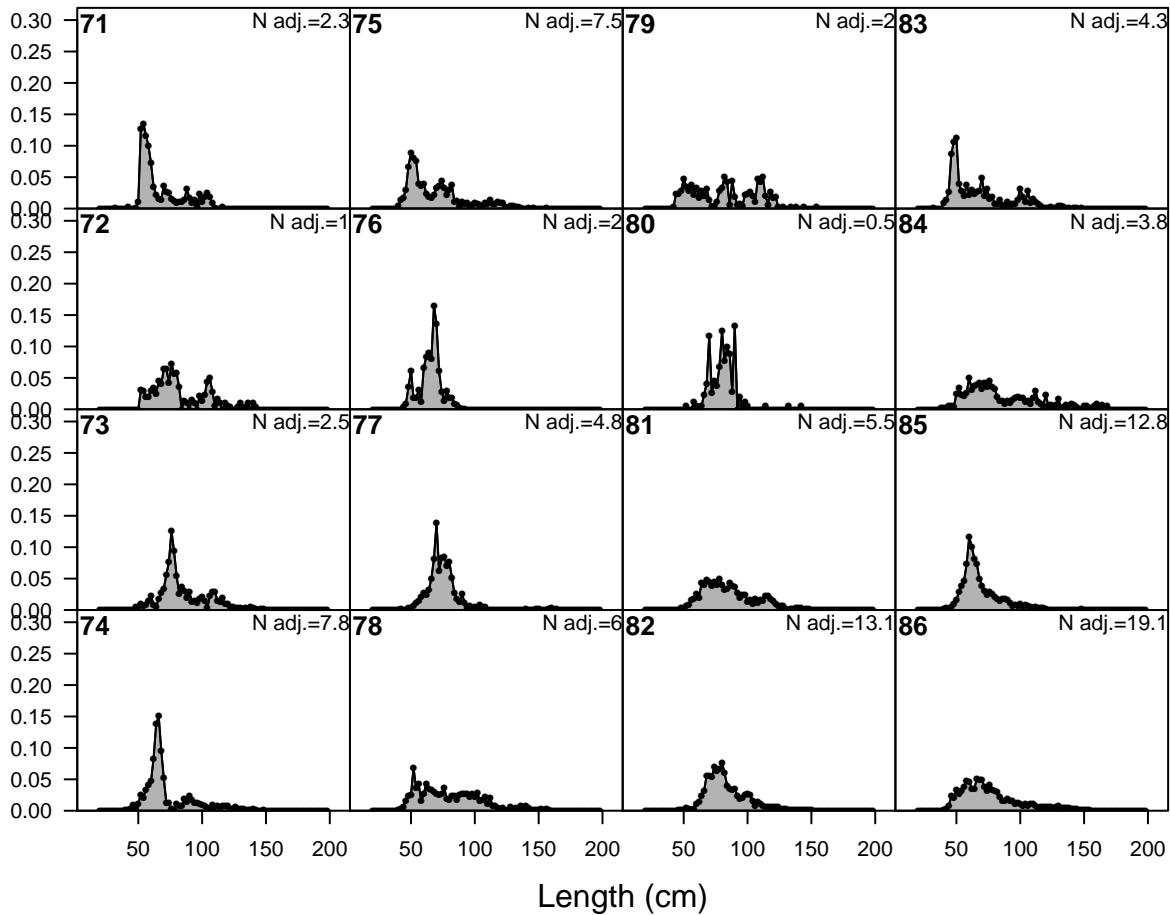
Proportion



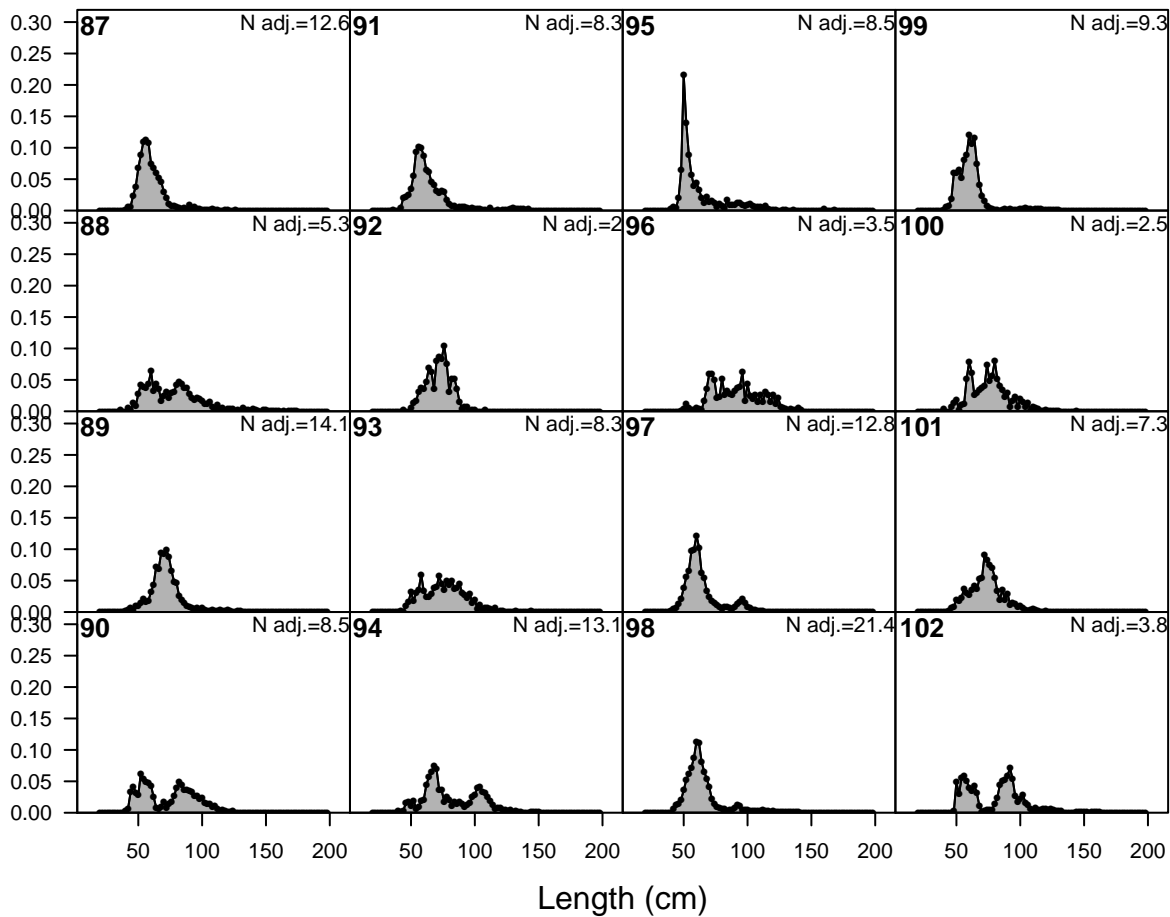
Proportion



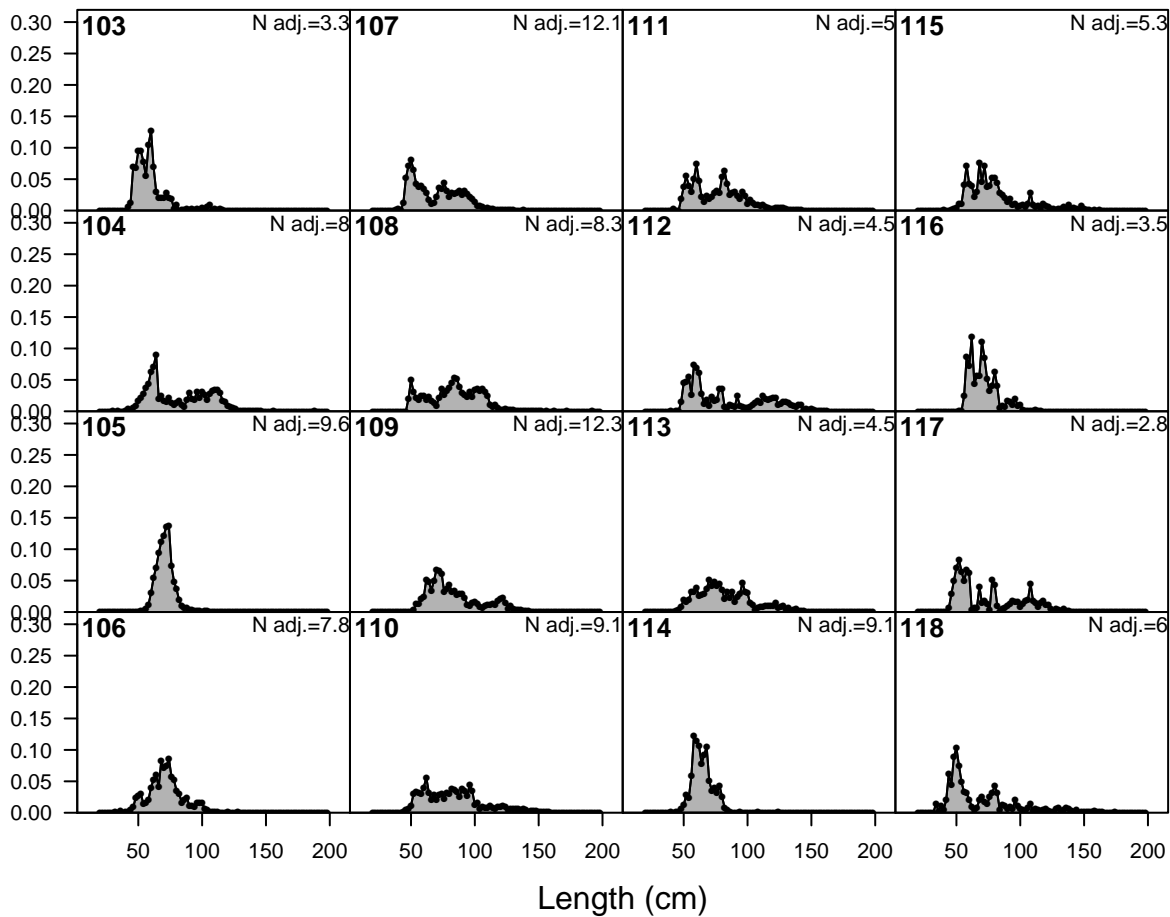
Proportion



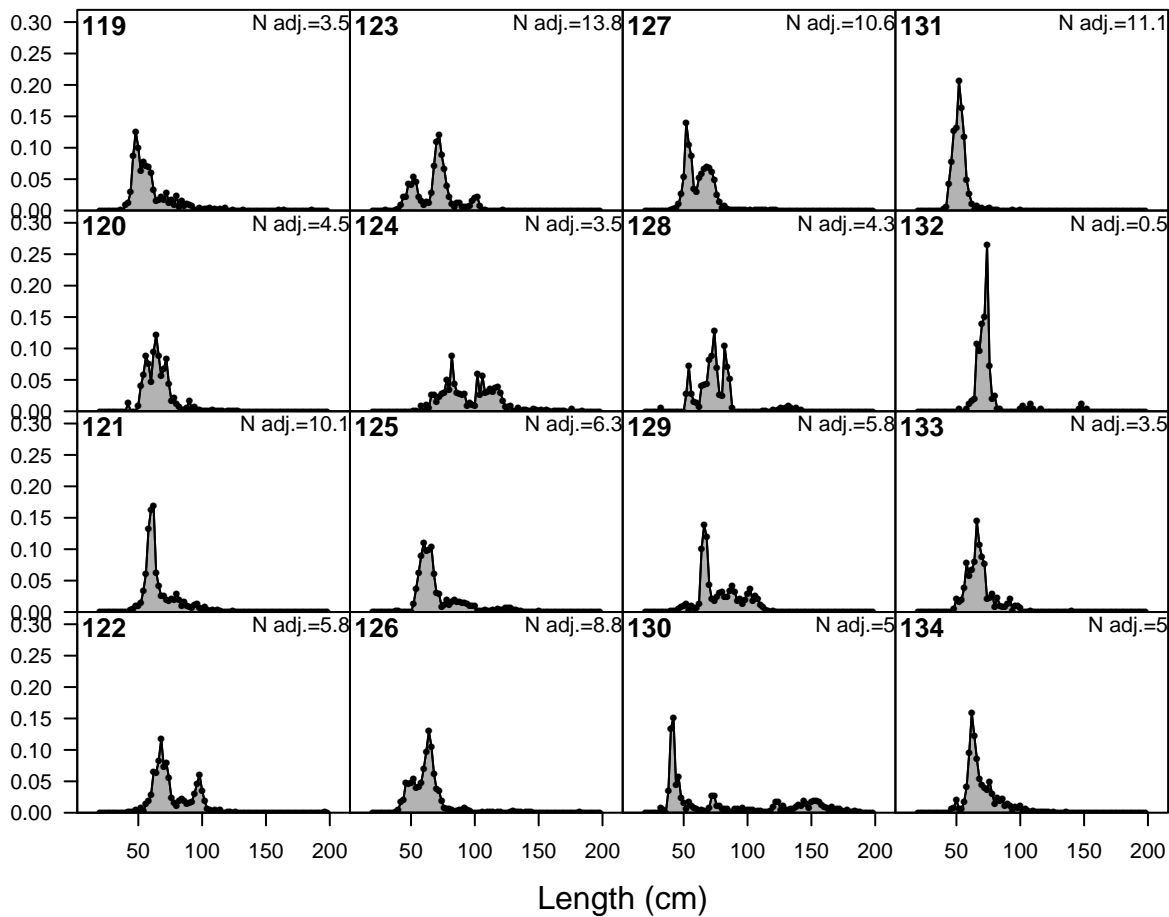
Proportion



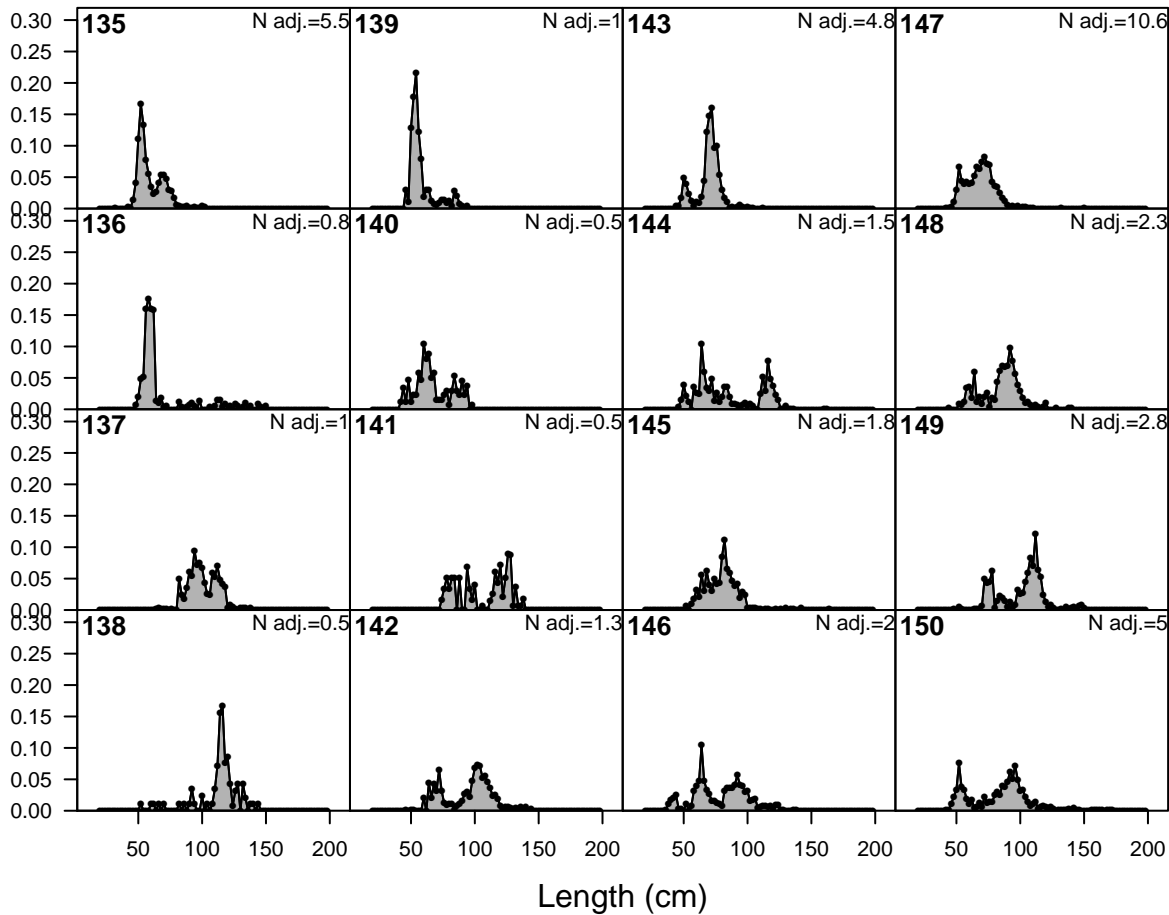
Proportion



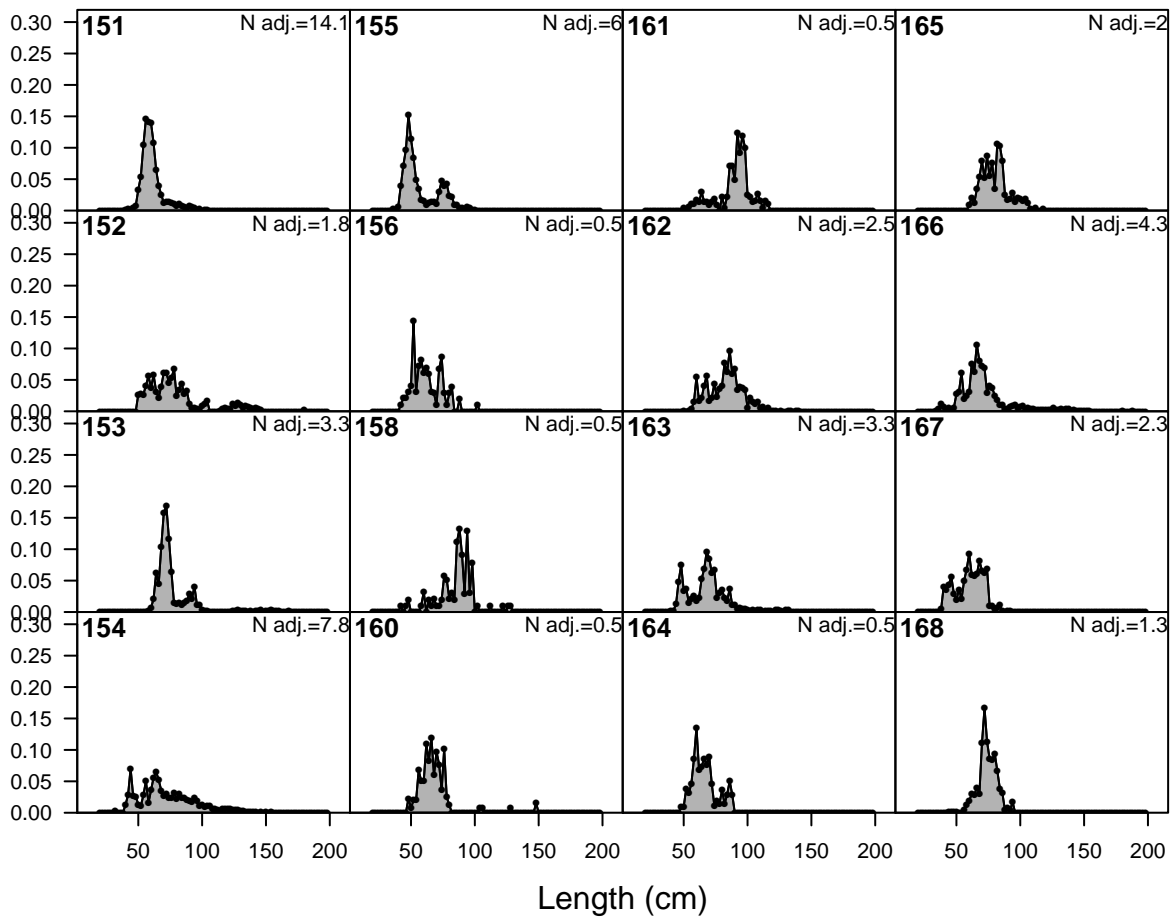
Proportion



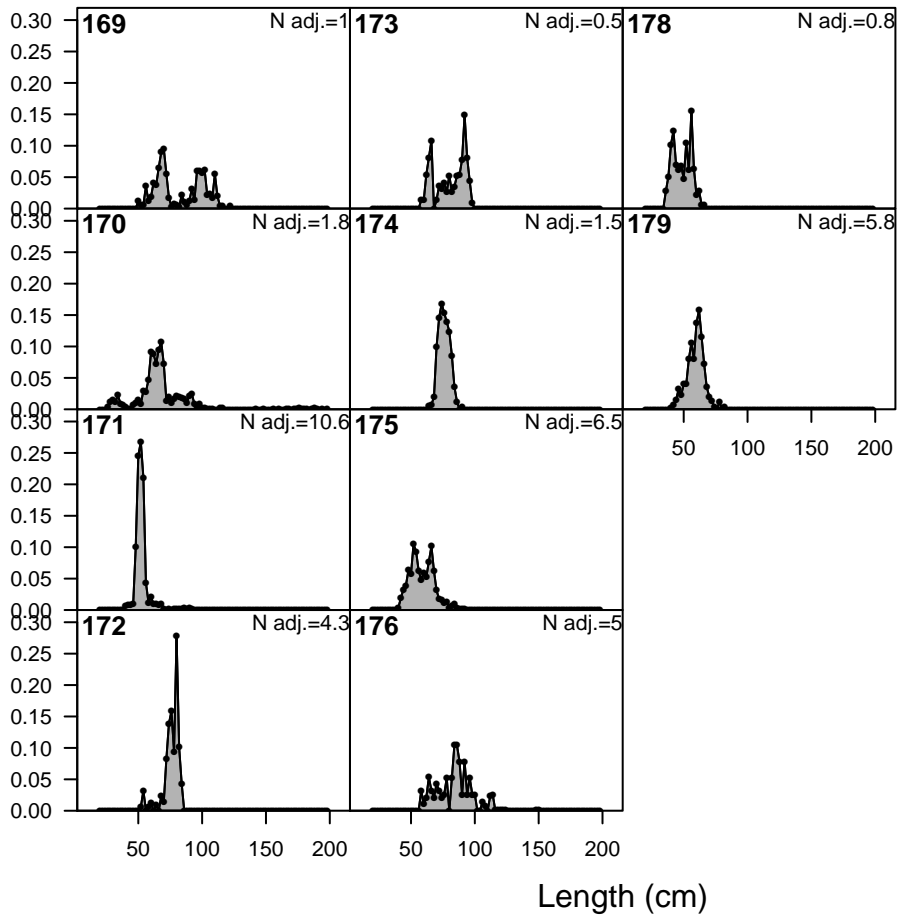
Proportion

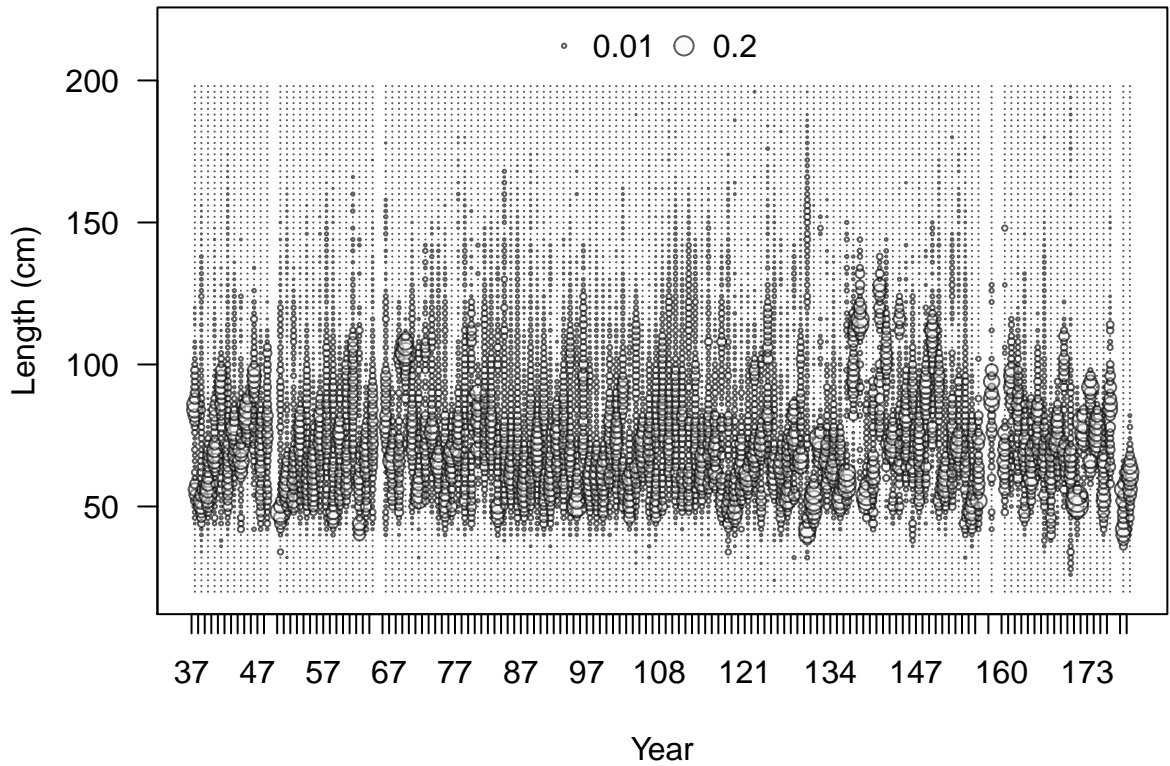


Proportion

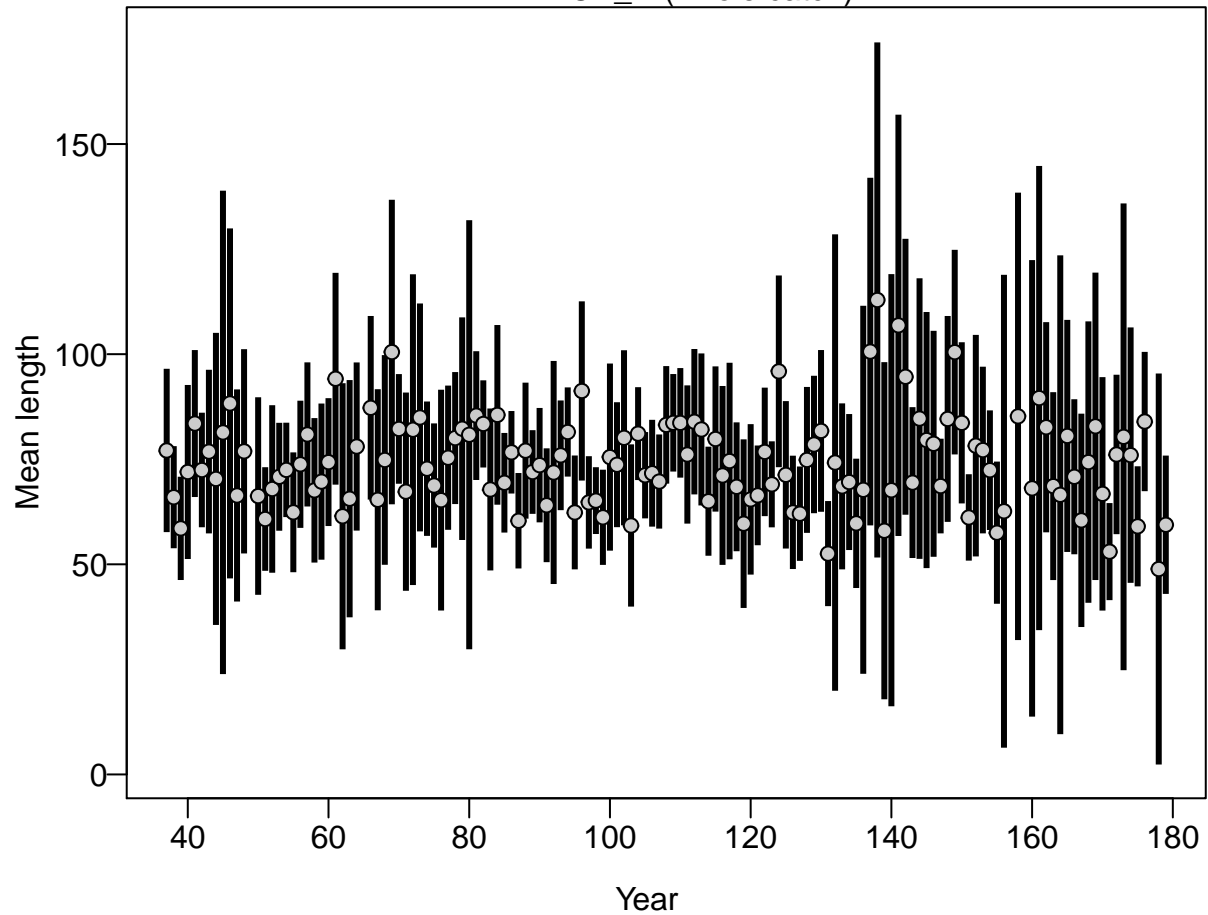


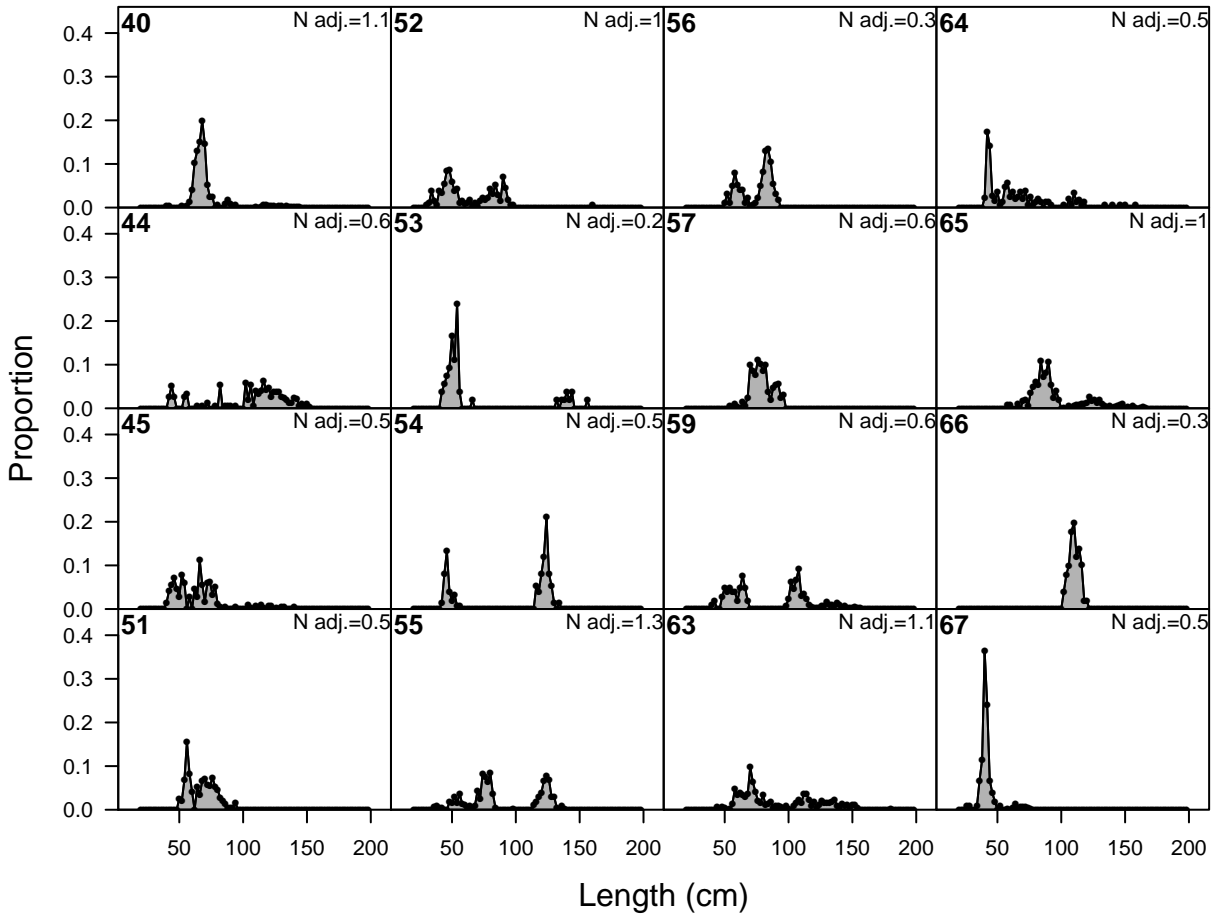
Proportion

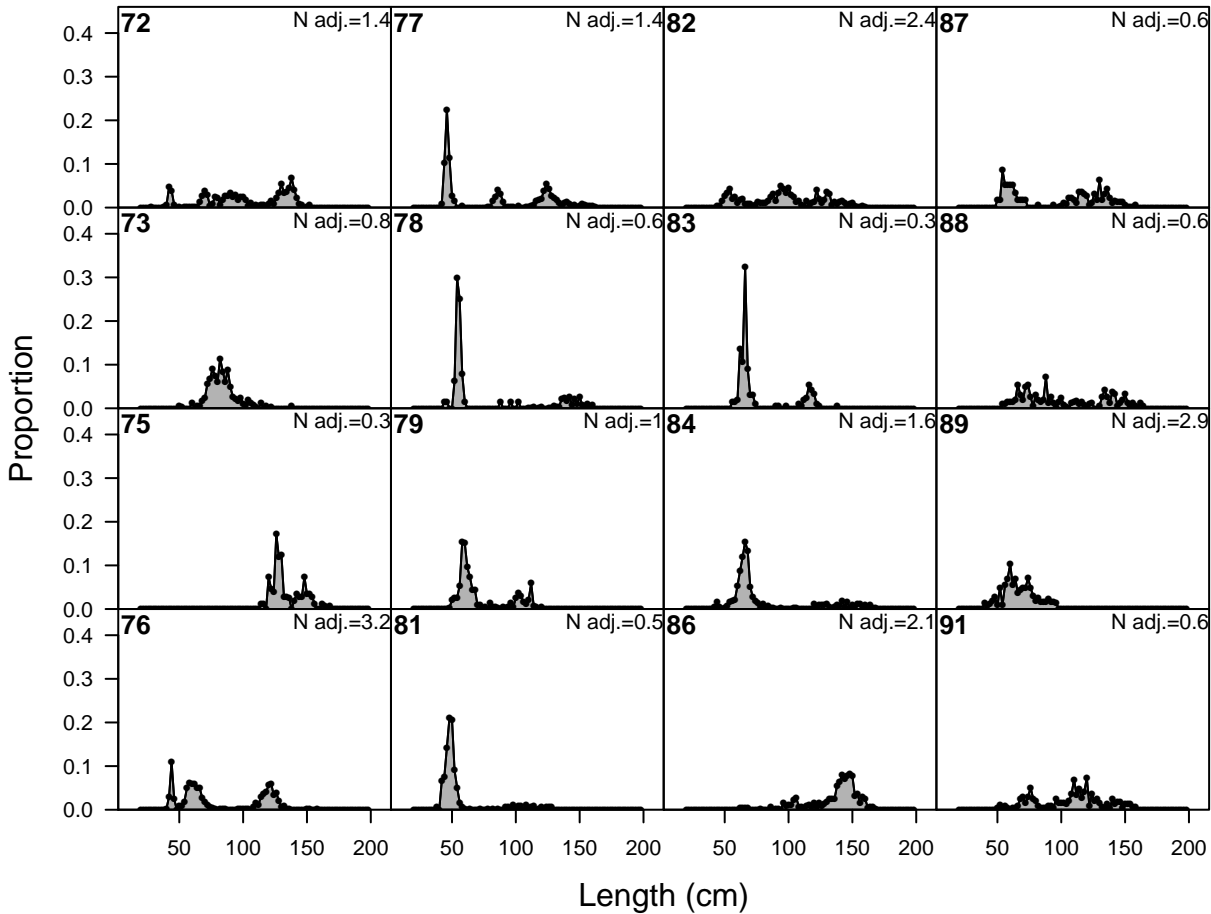


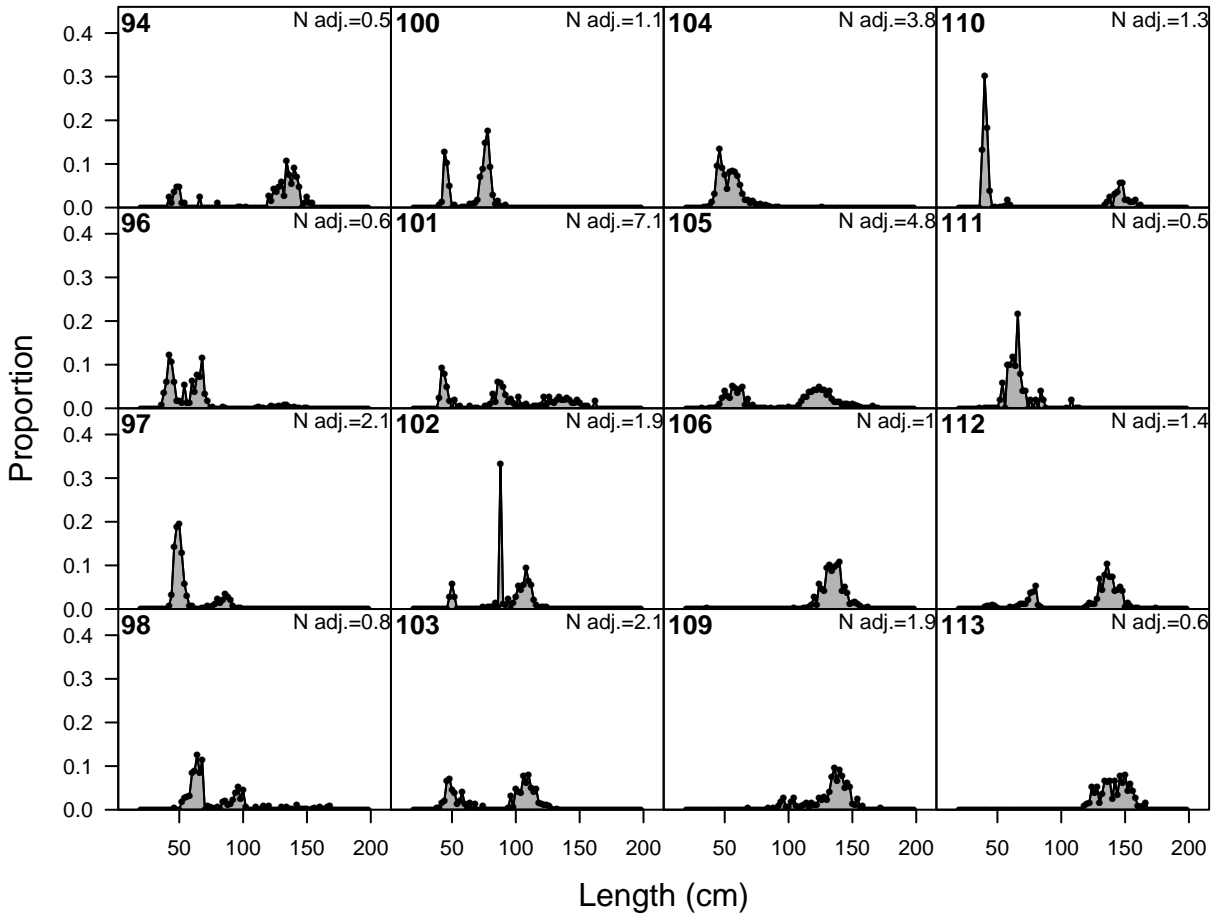


F11-NOA_N (whole catch)

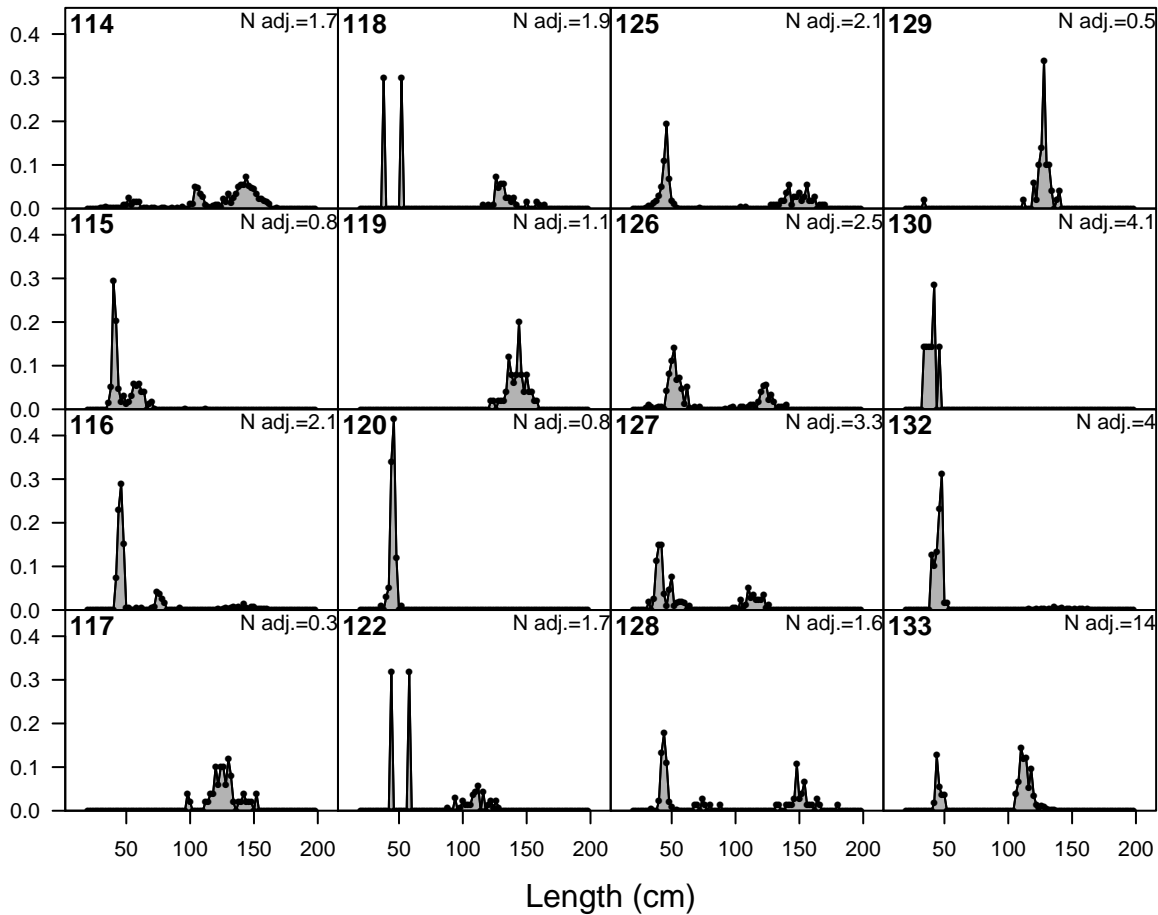


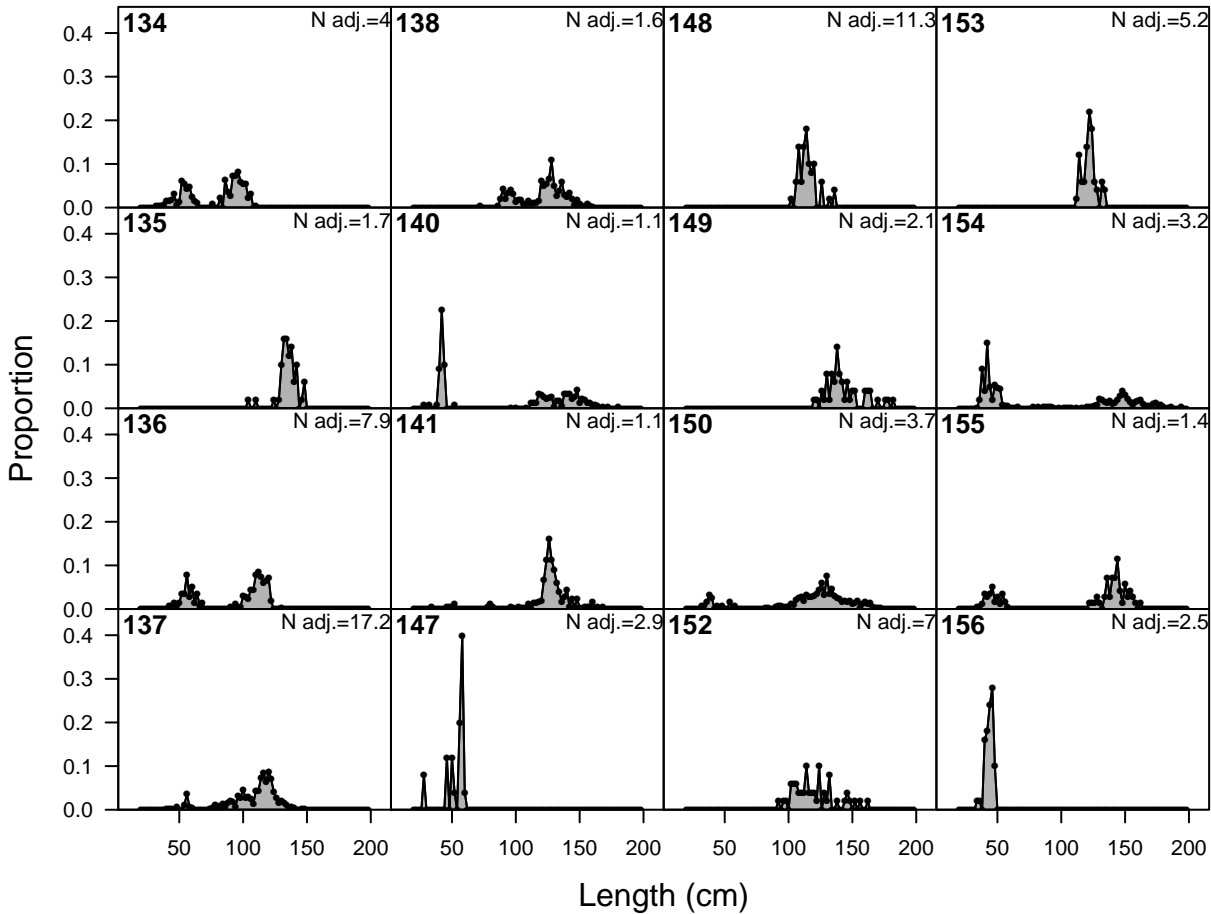


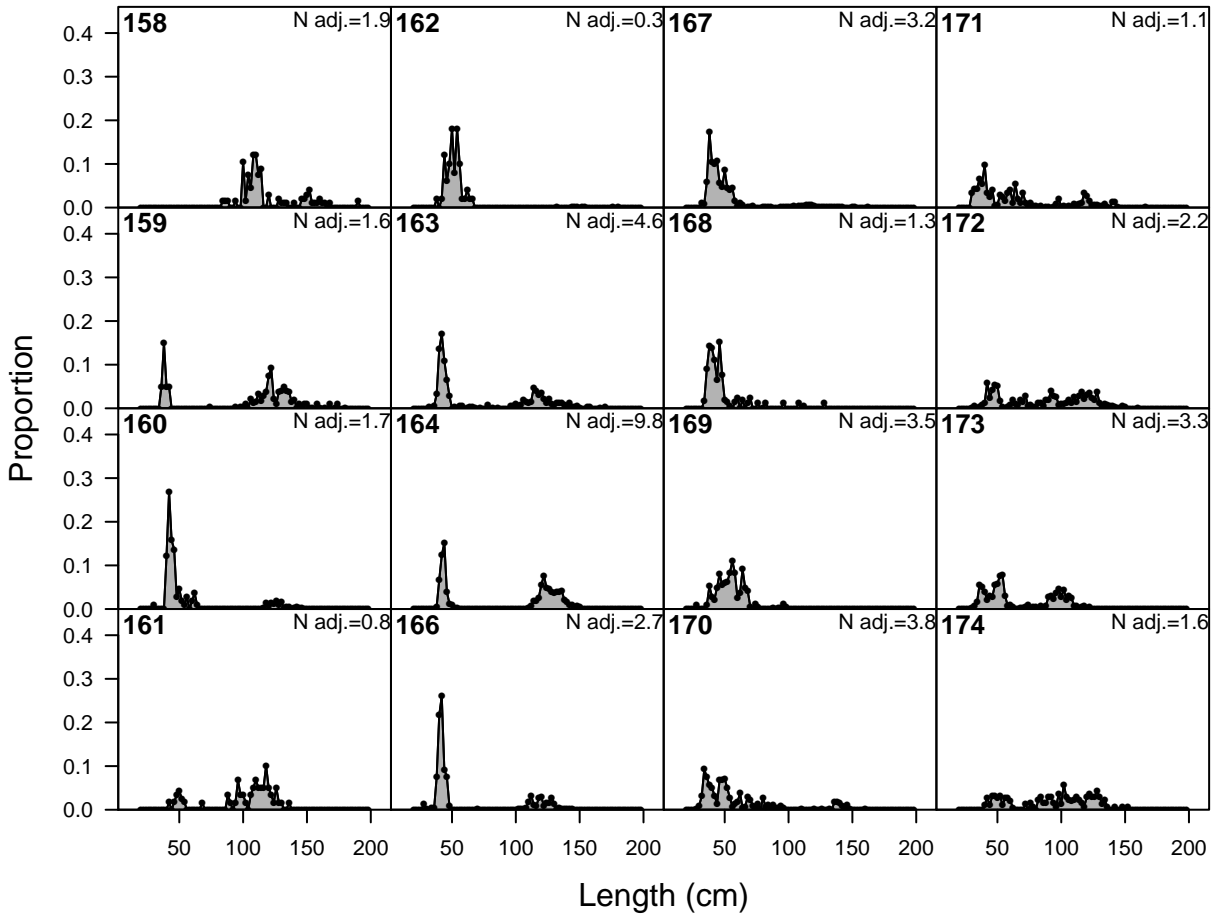


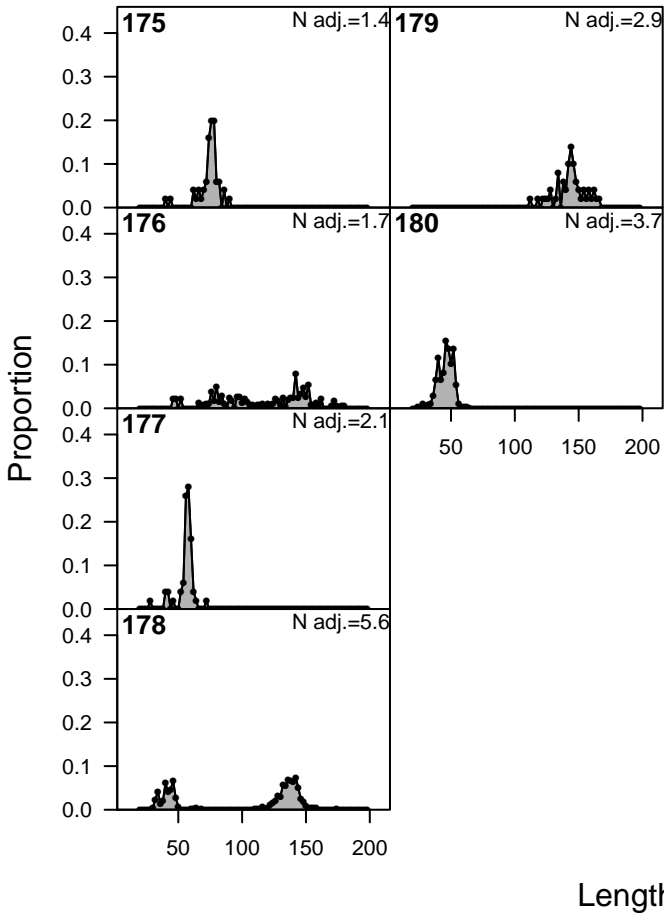


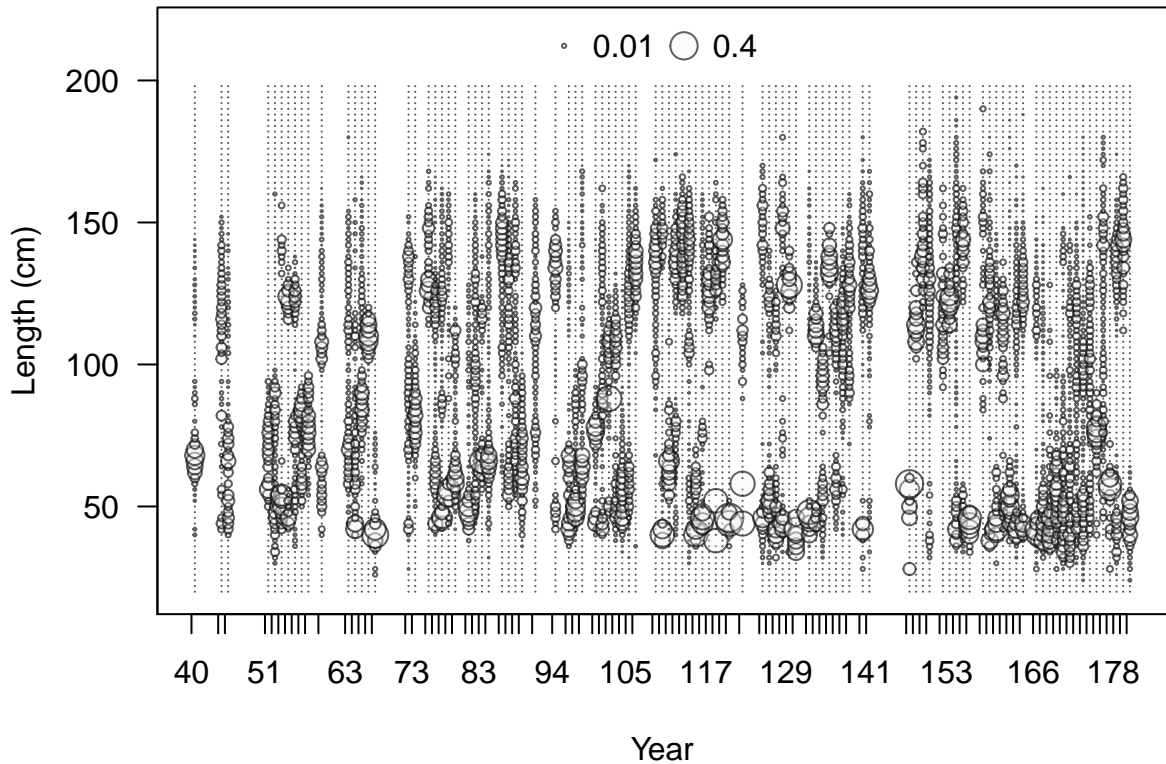
Proportion



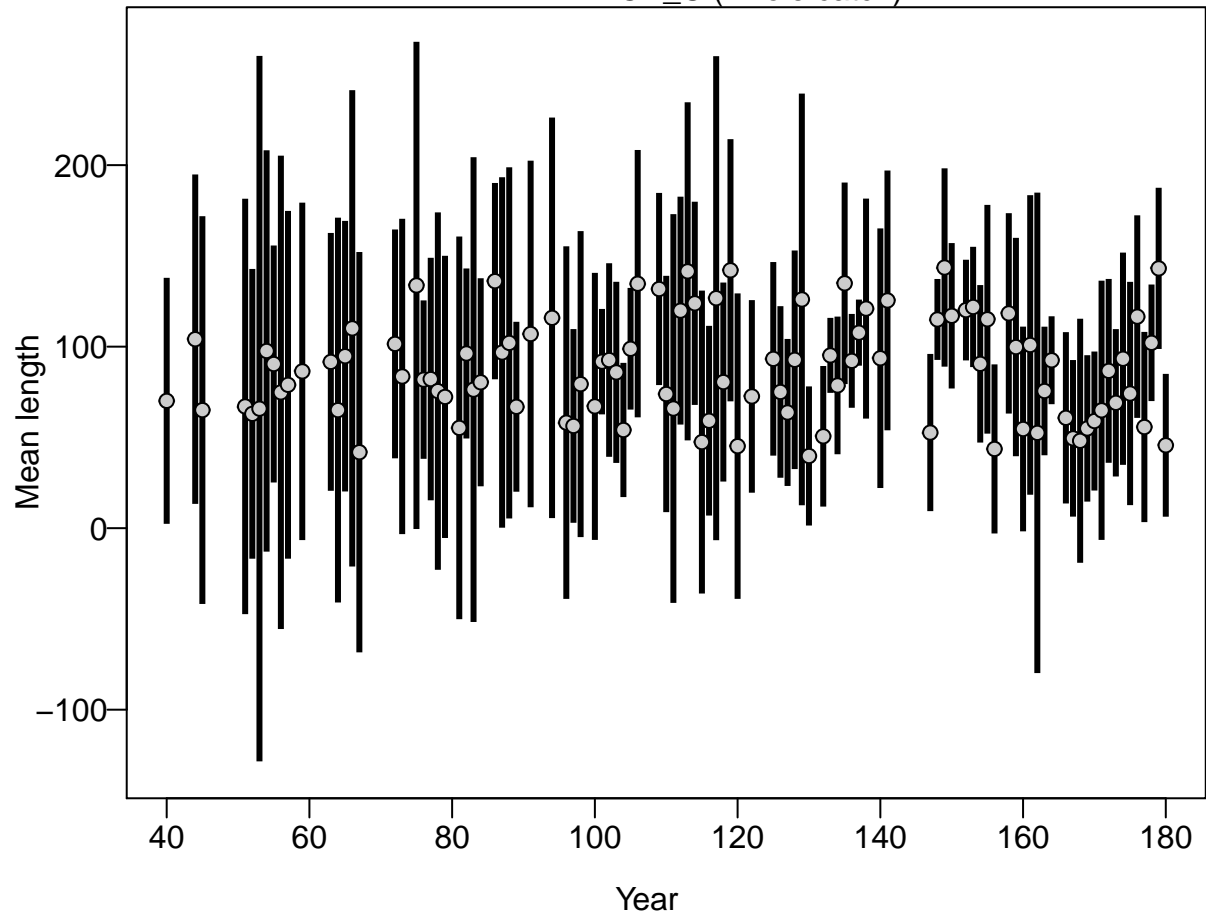


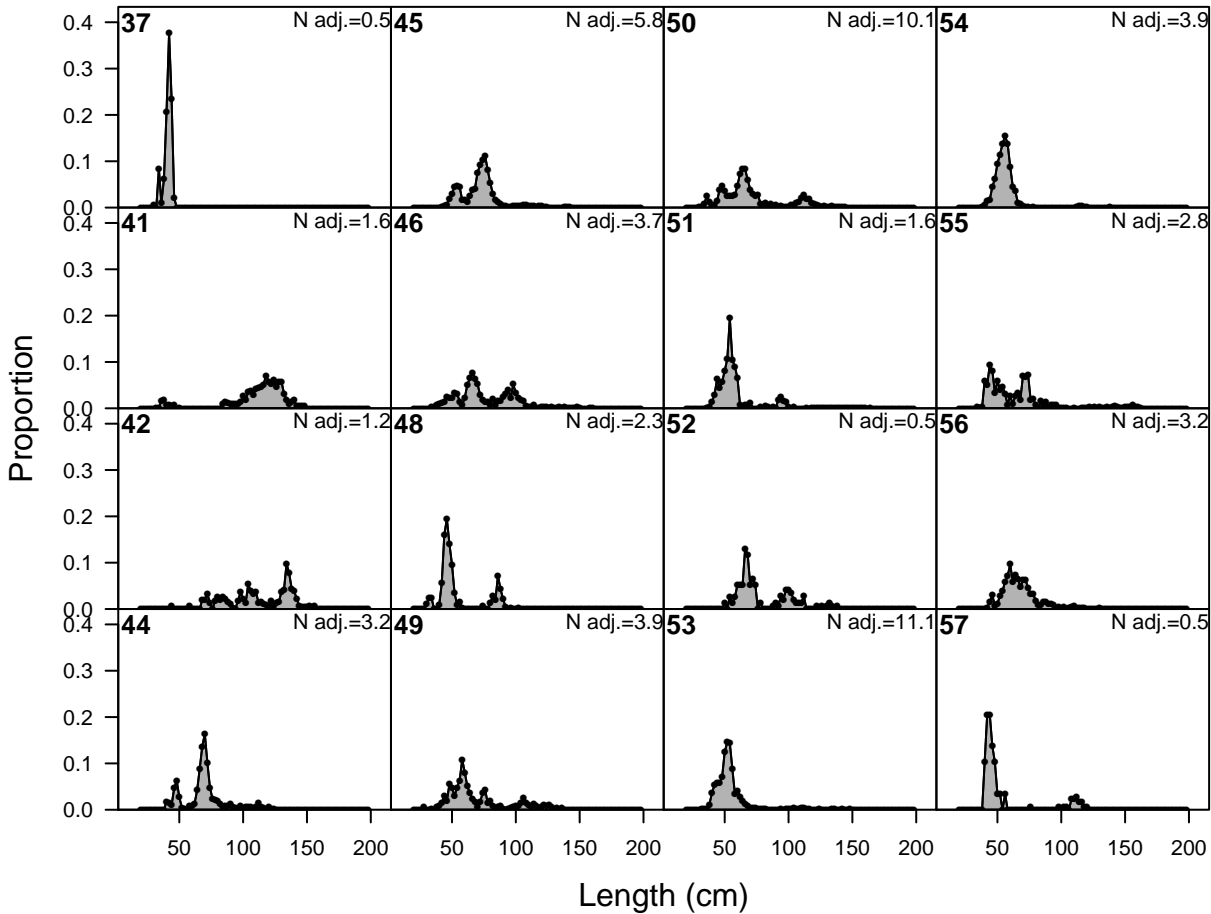


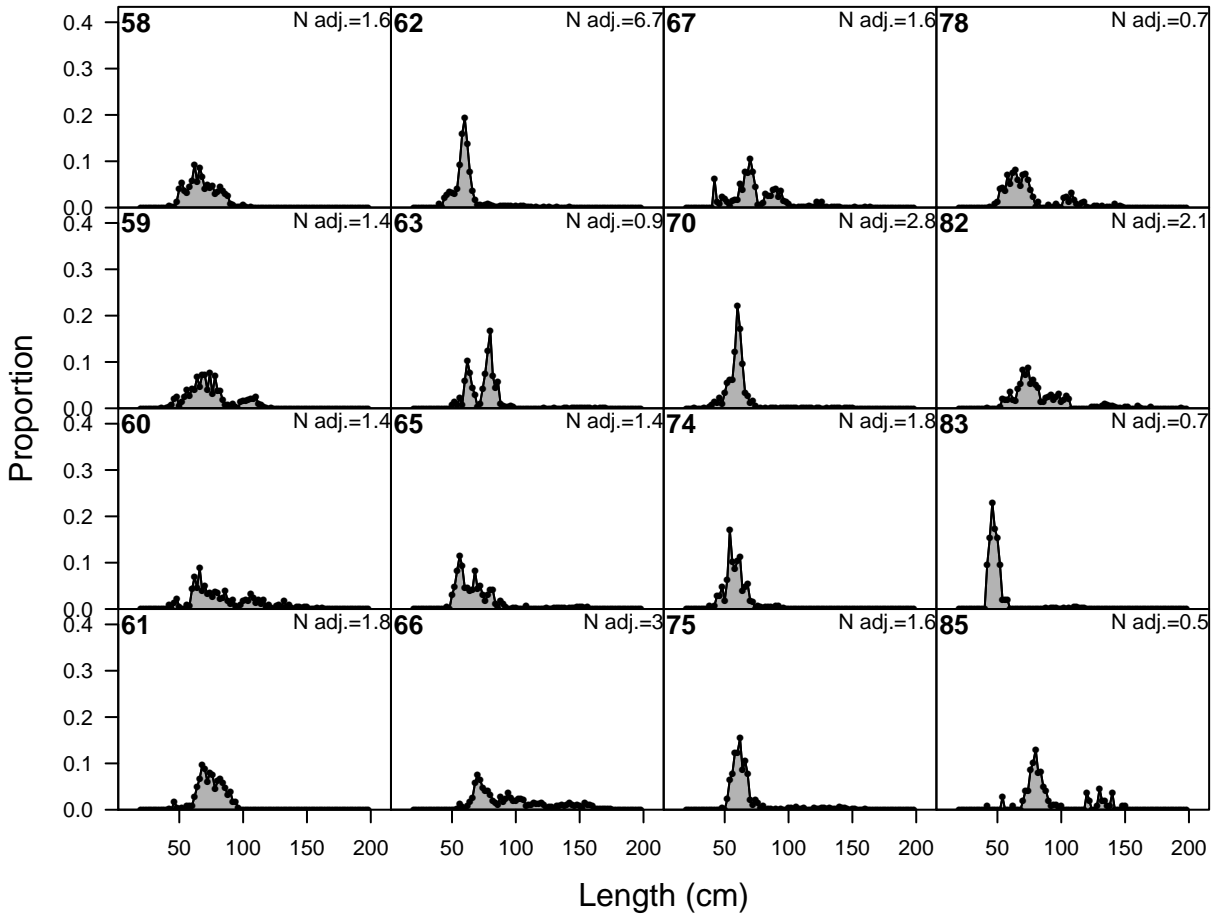


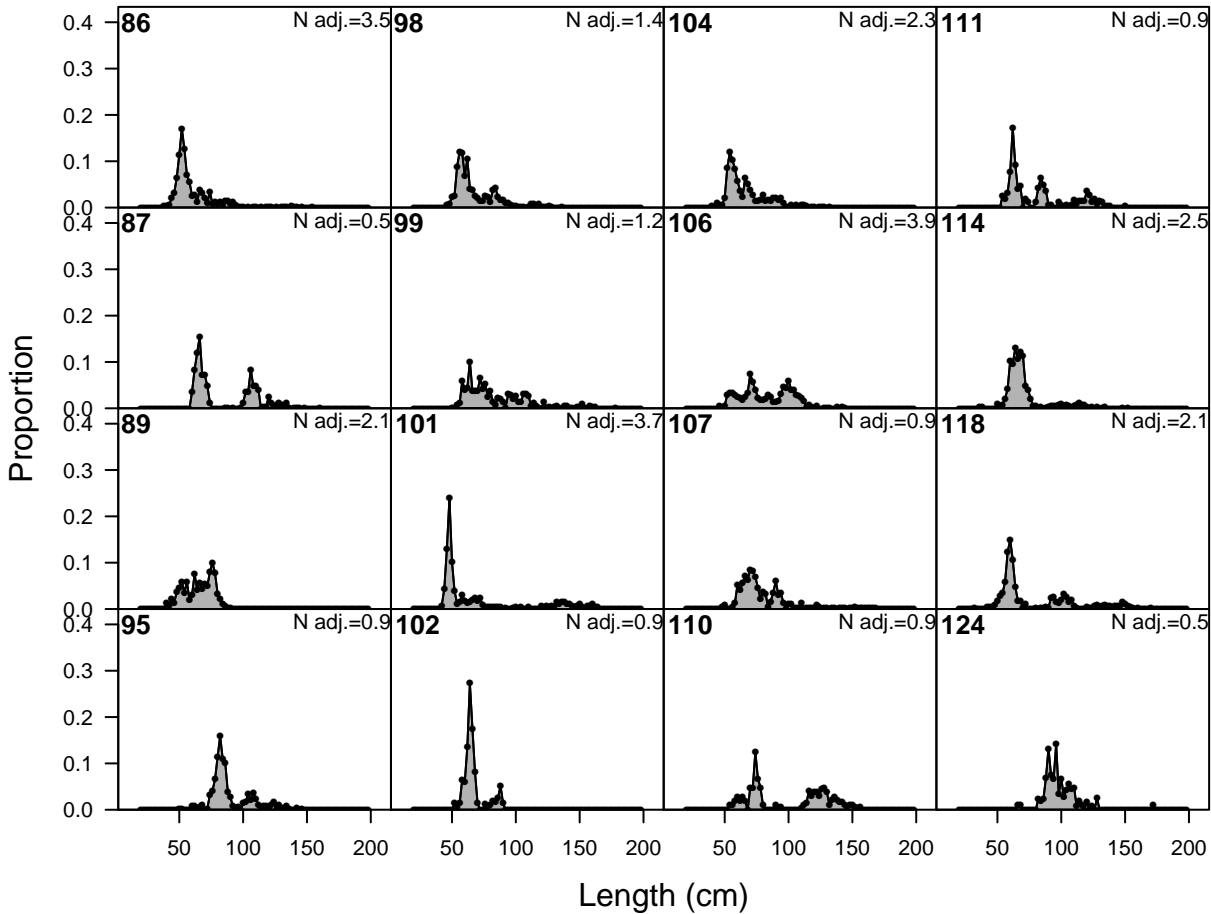


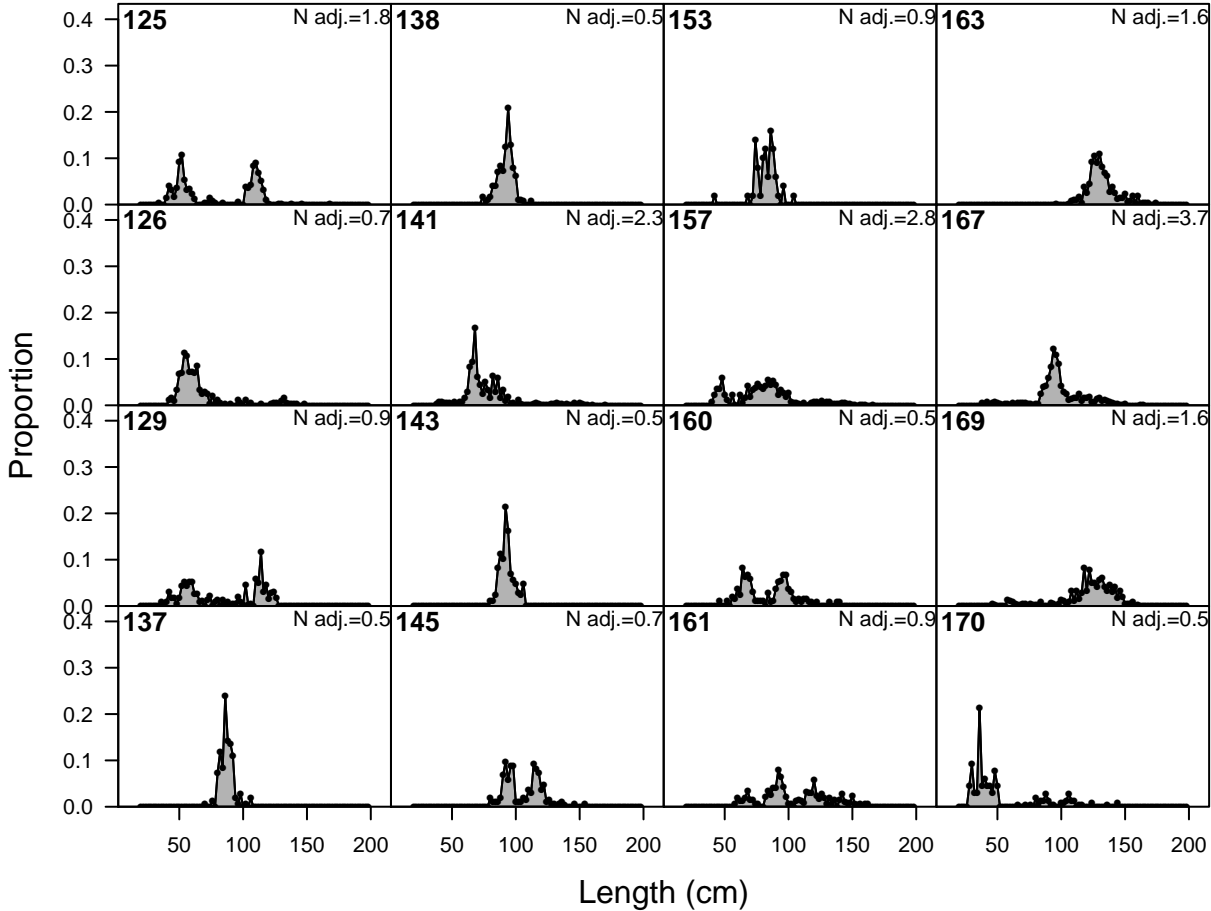
F12-NOA_C (whole catch)

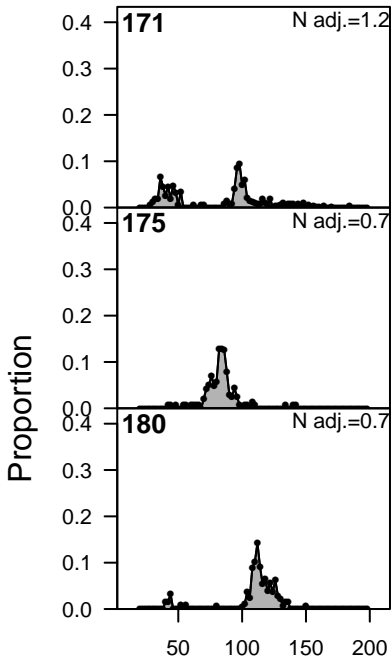




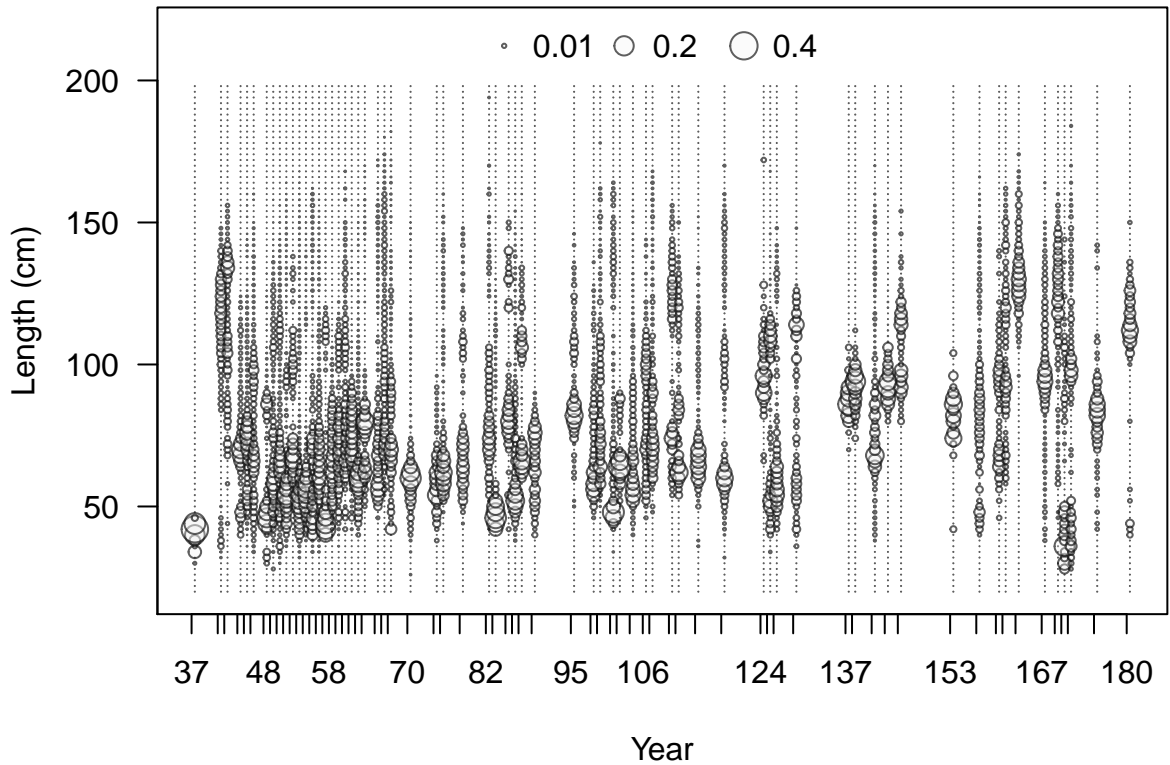




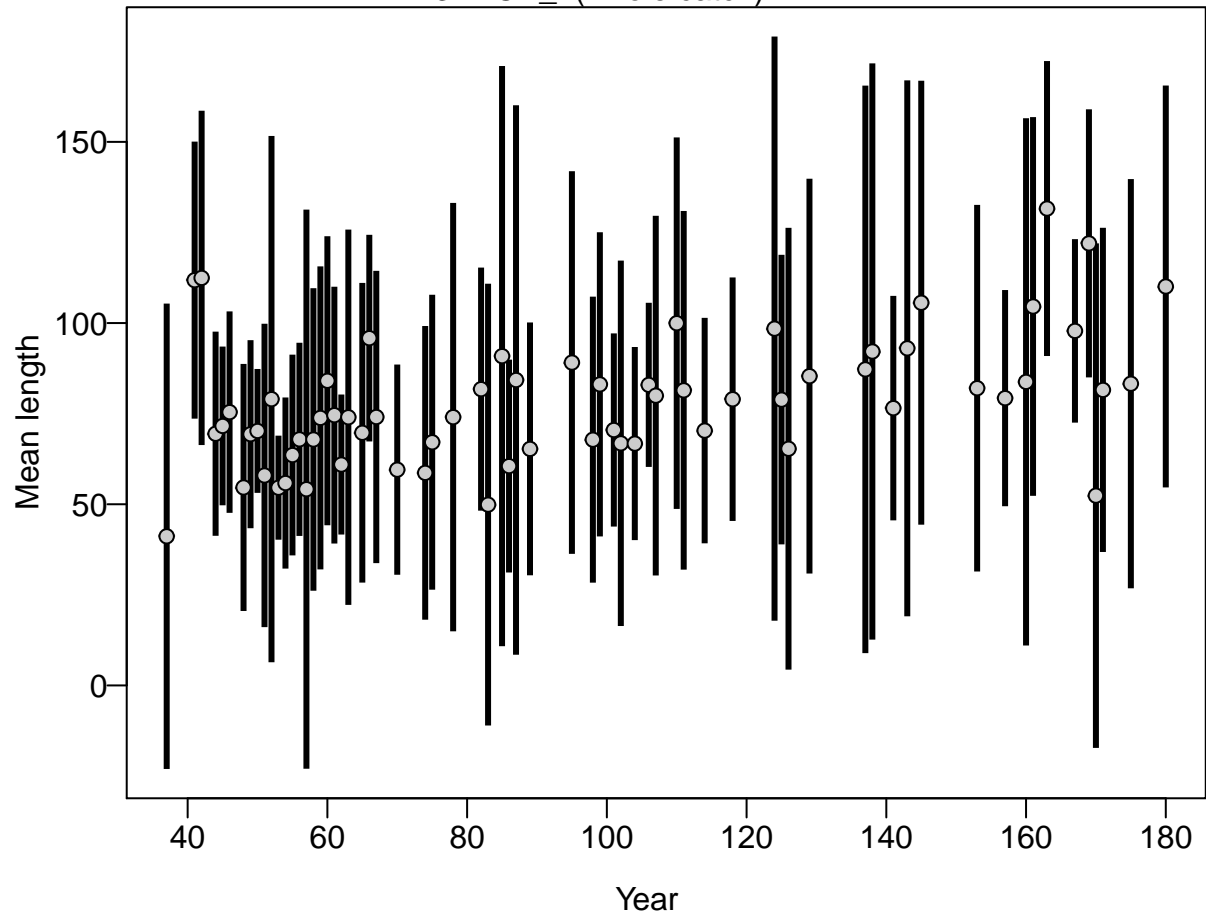


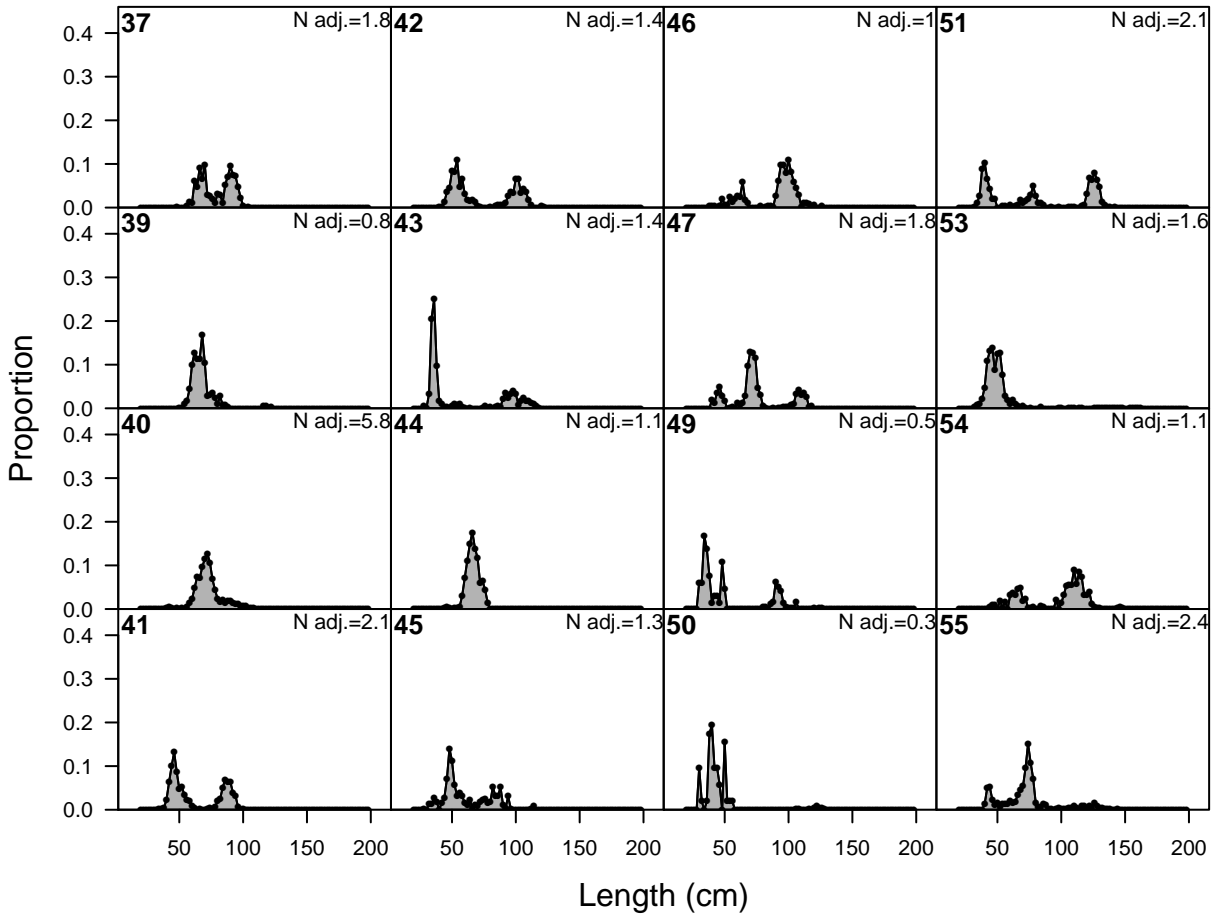


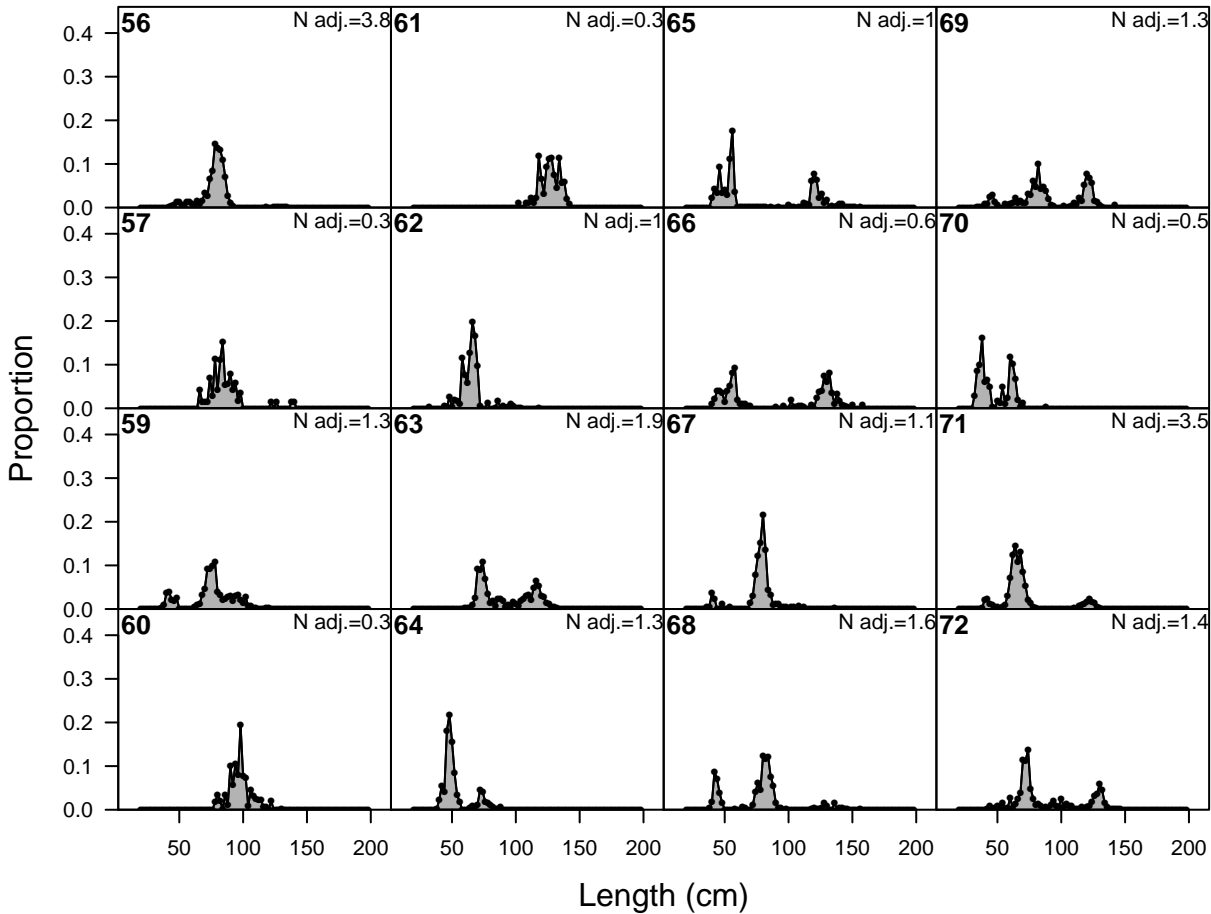
Length (cm)

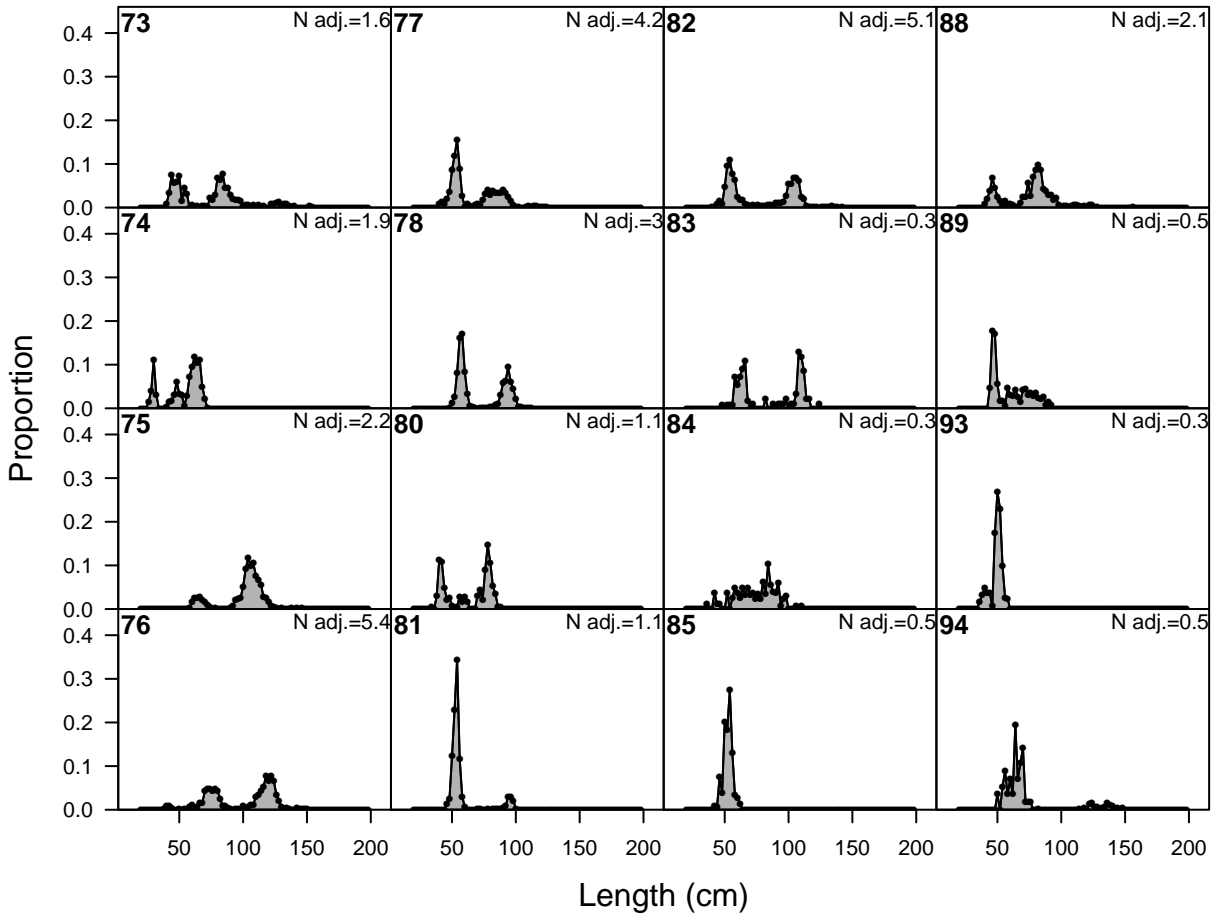


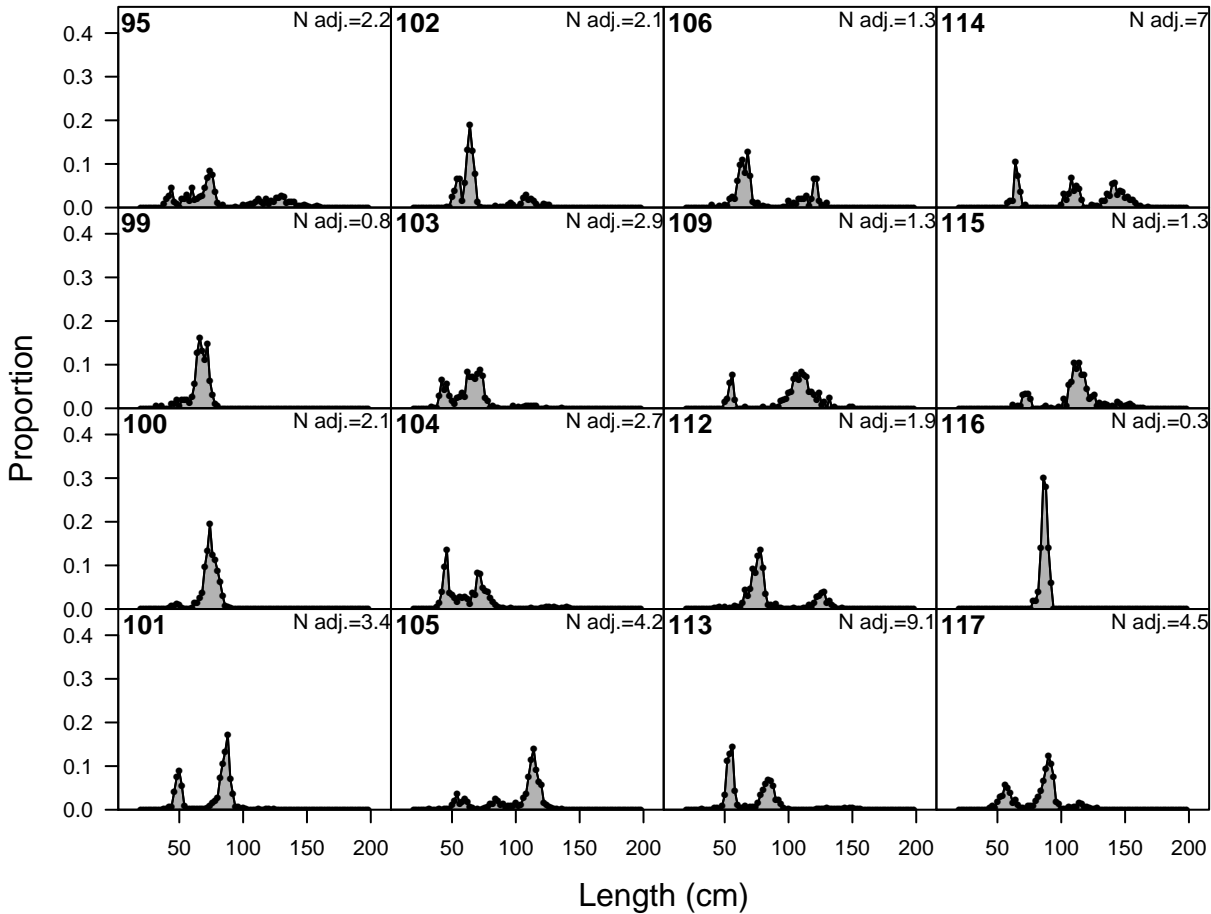
F13-NOA_I (whole catch)

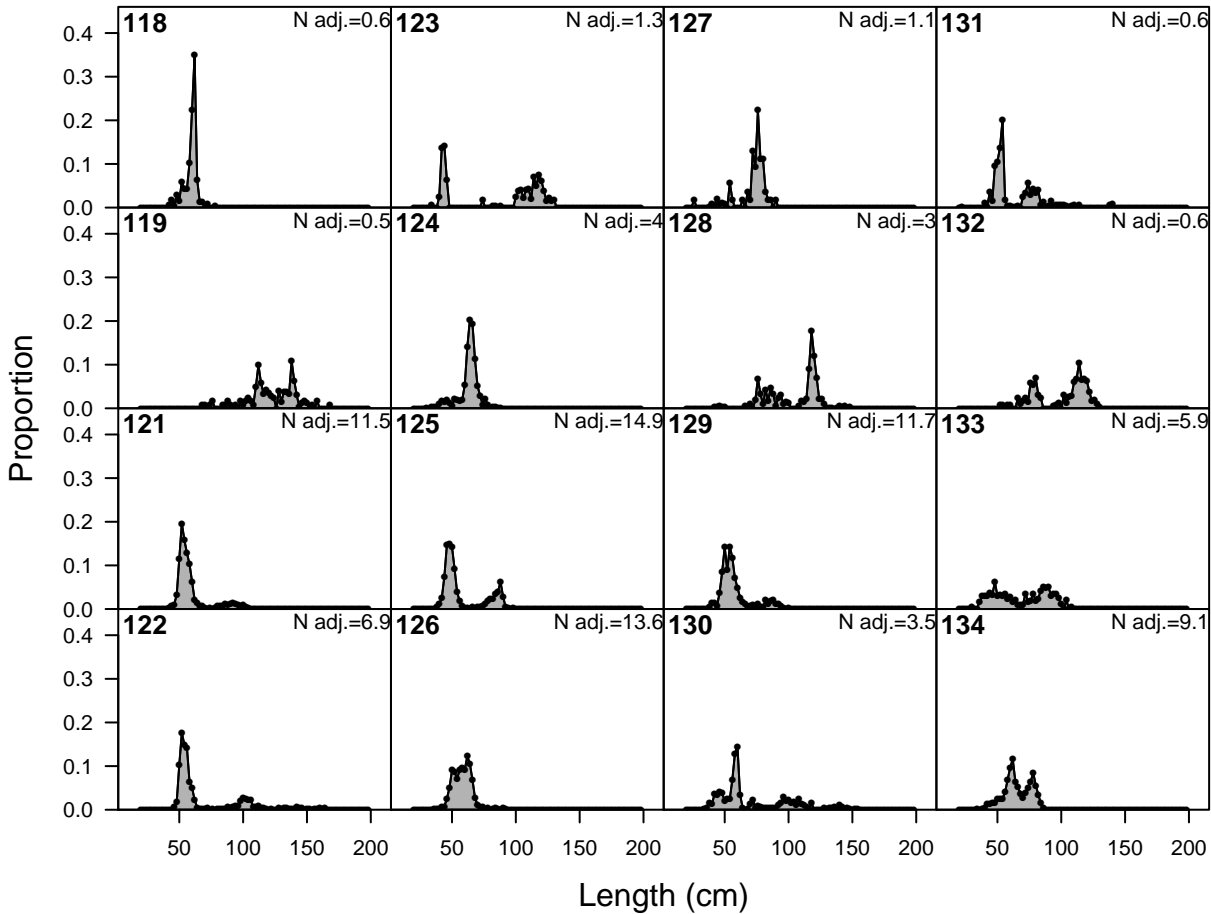


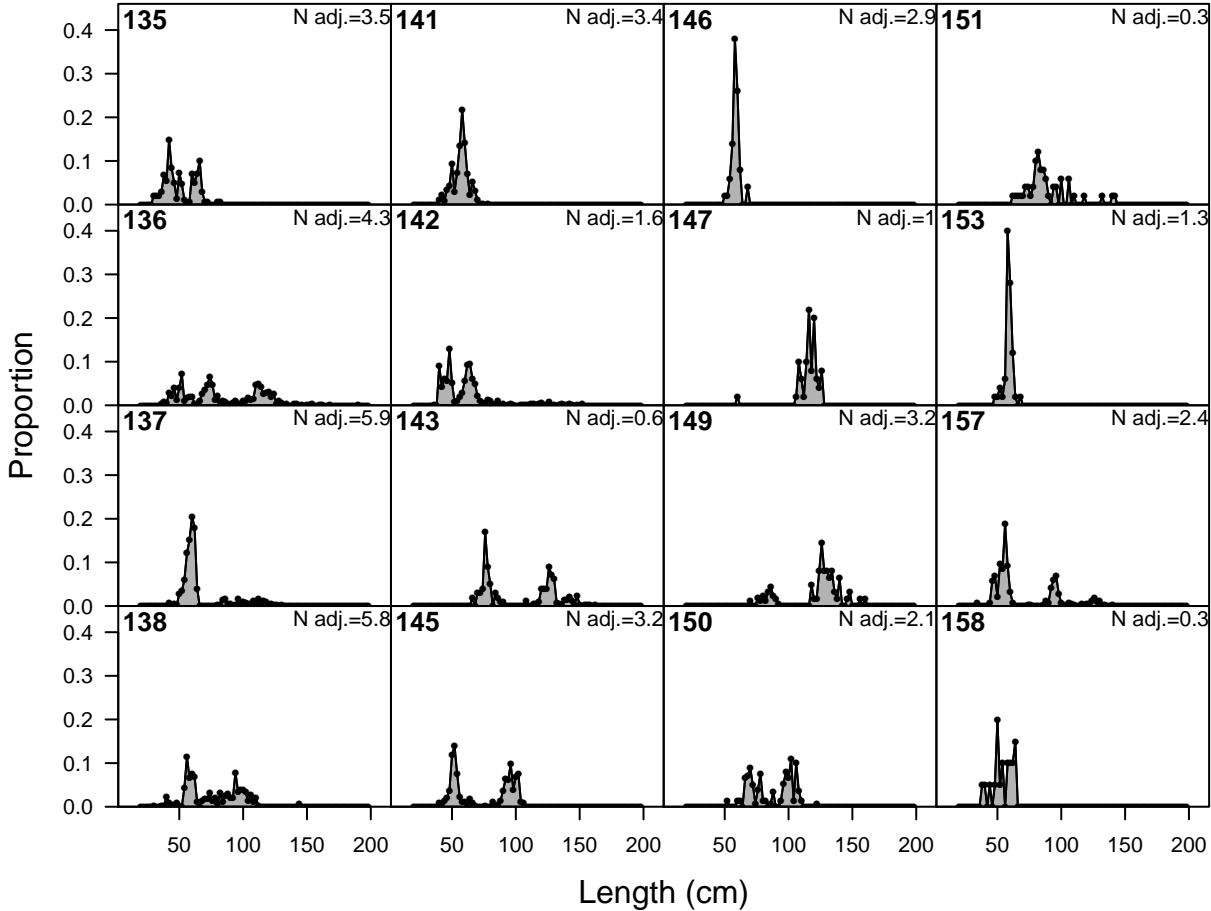


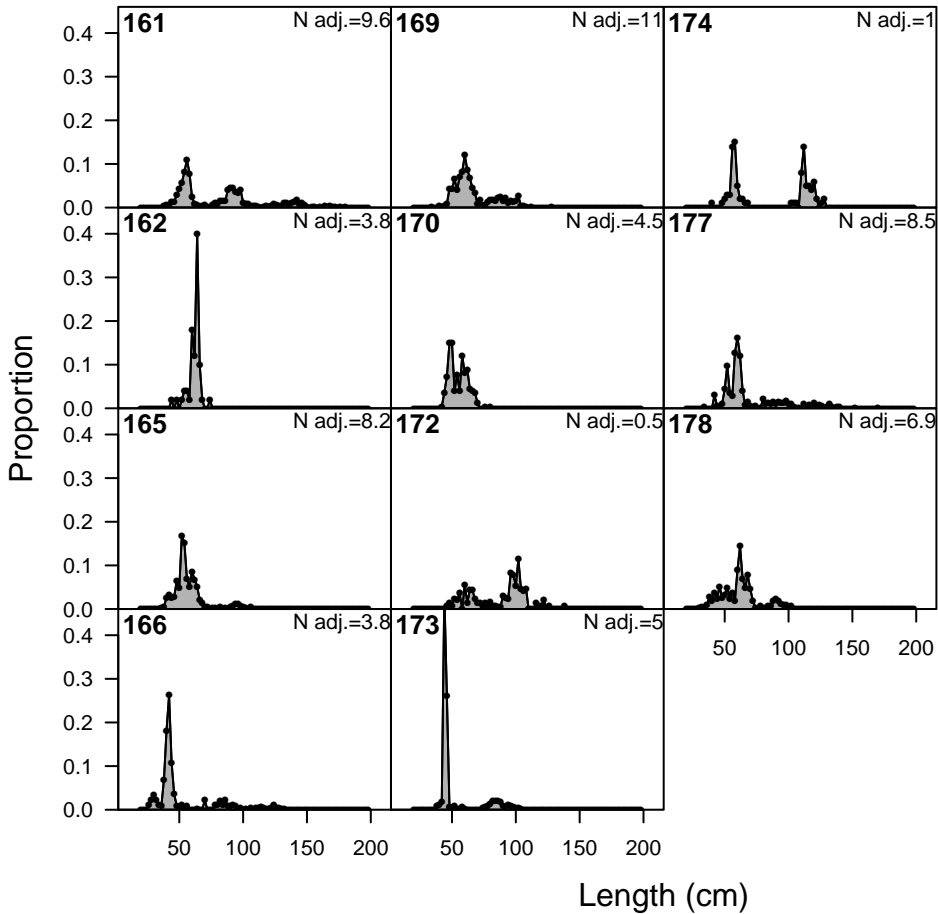


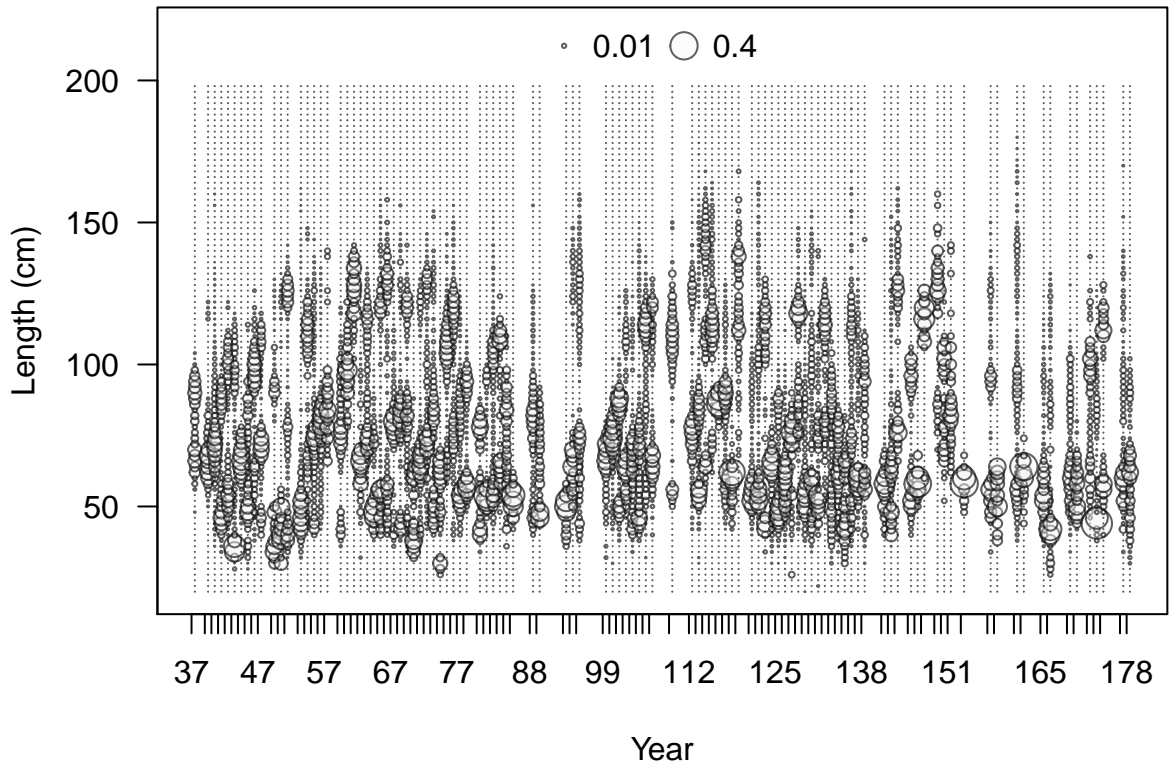




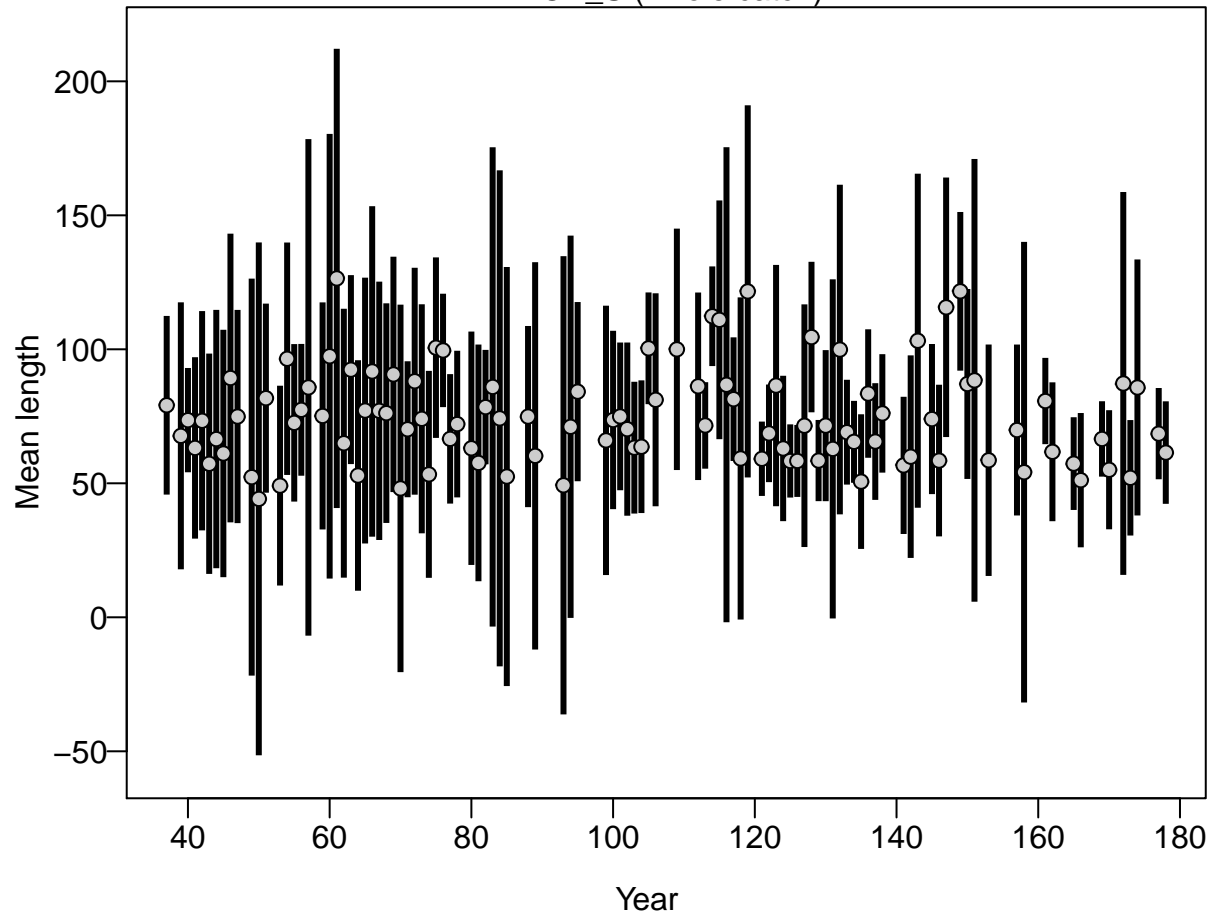


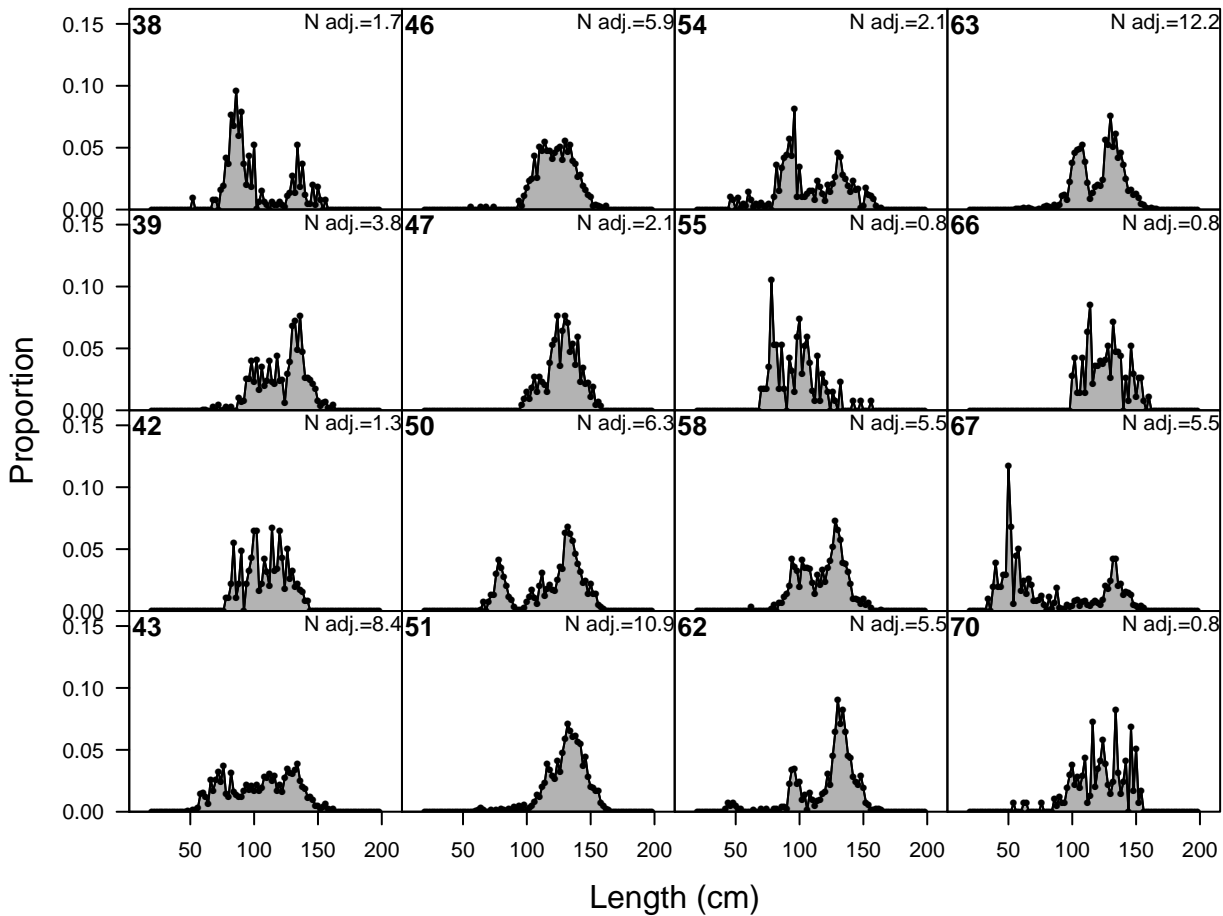




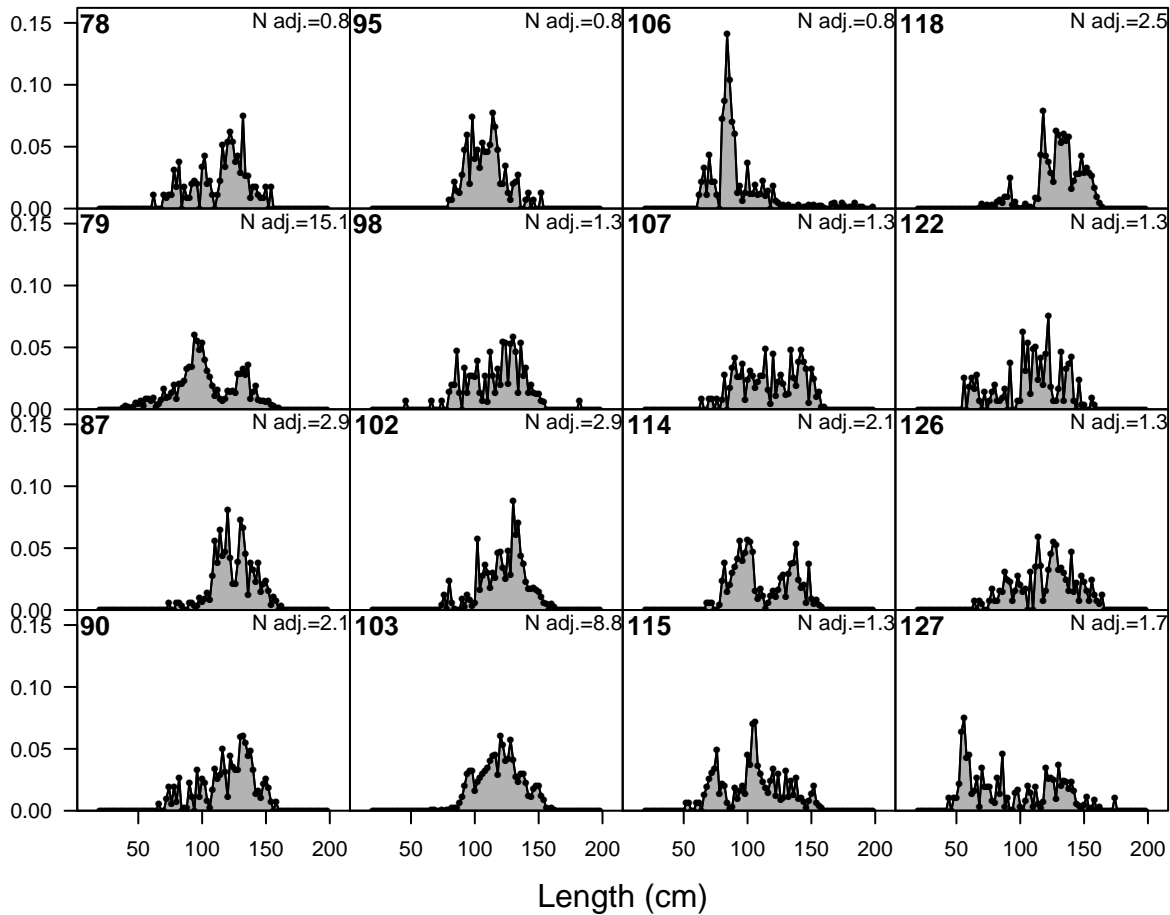


F14-NOA_S (whole catch)

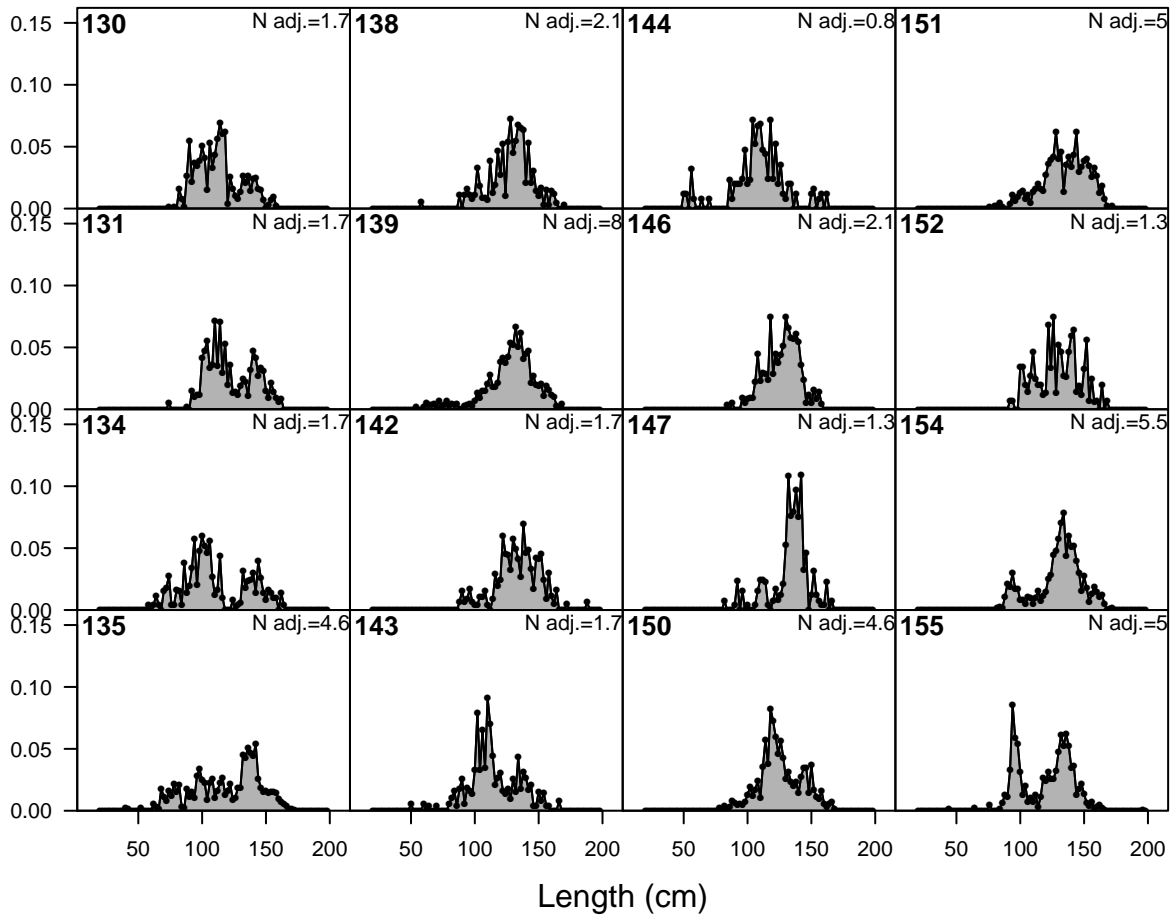




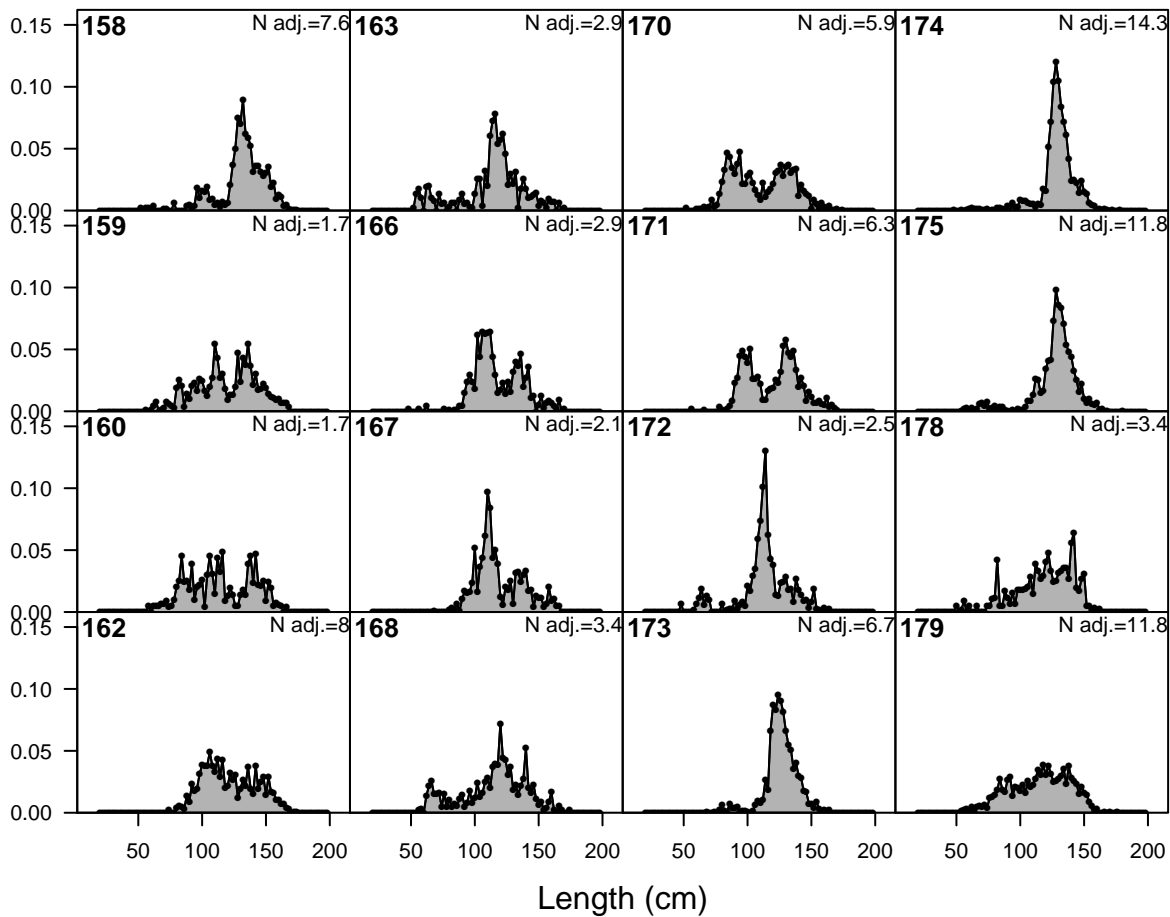
Proportion

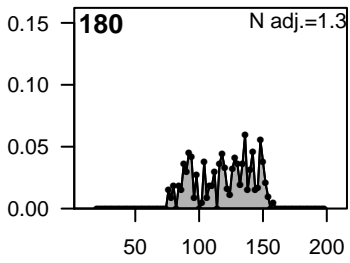


Proportion



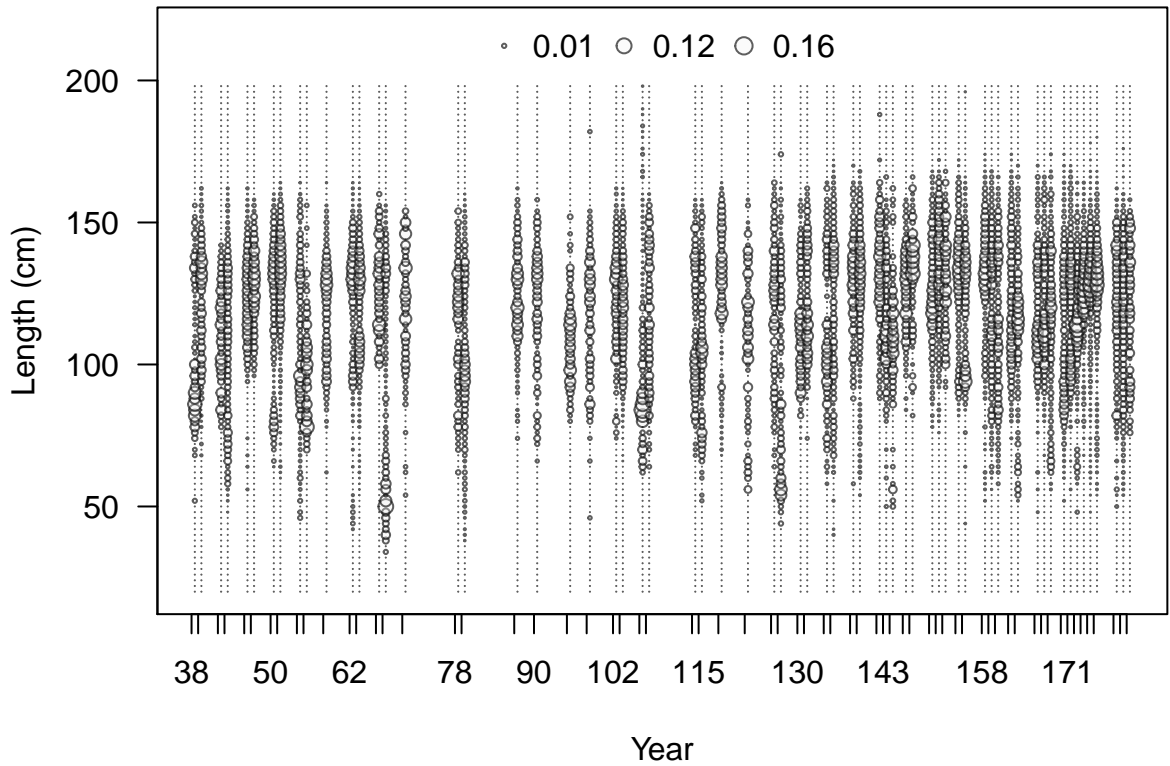
Proportion



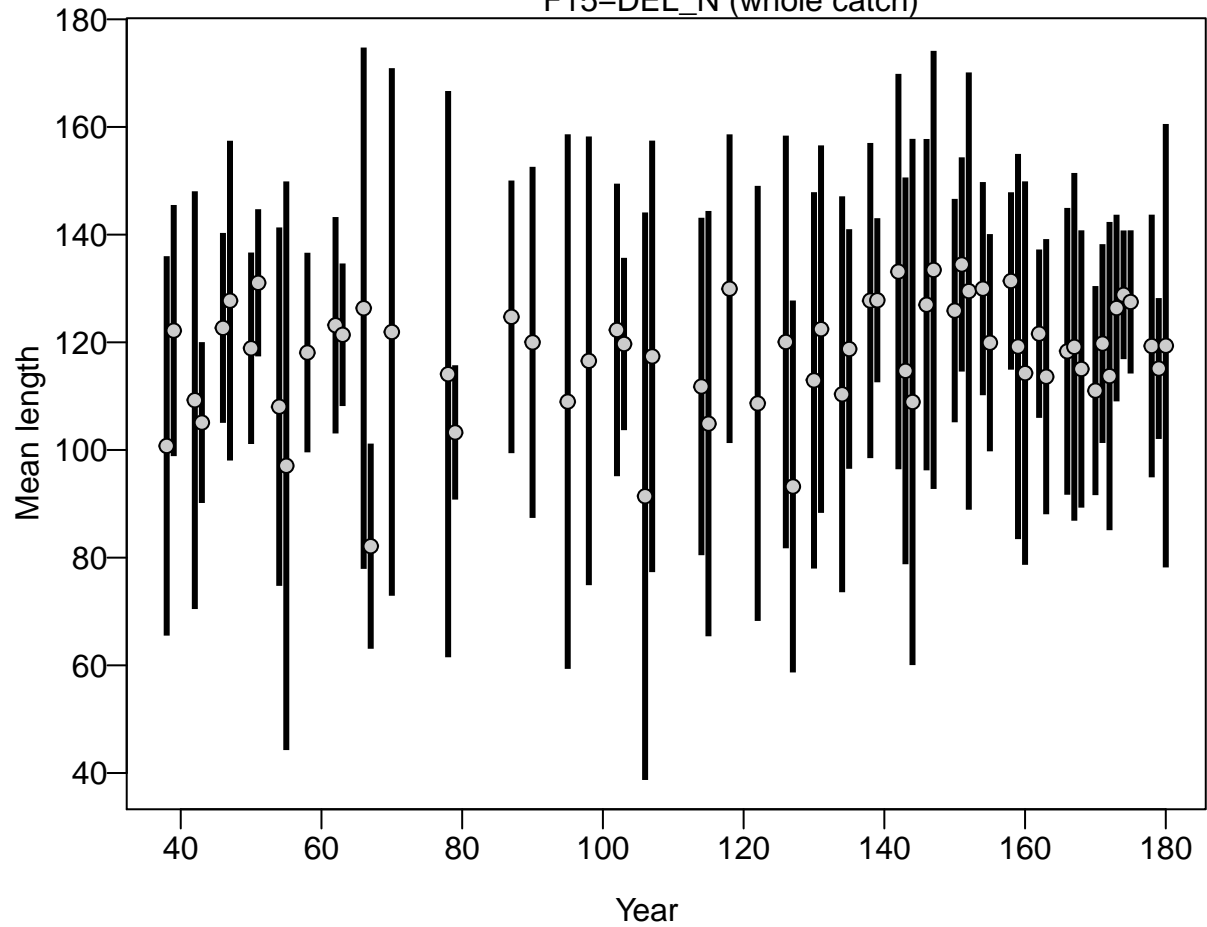


Proportion

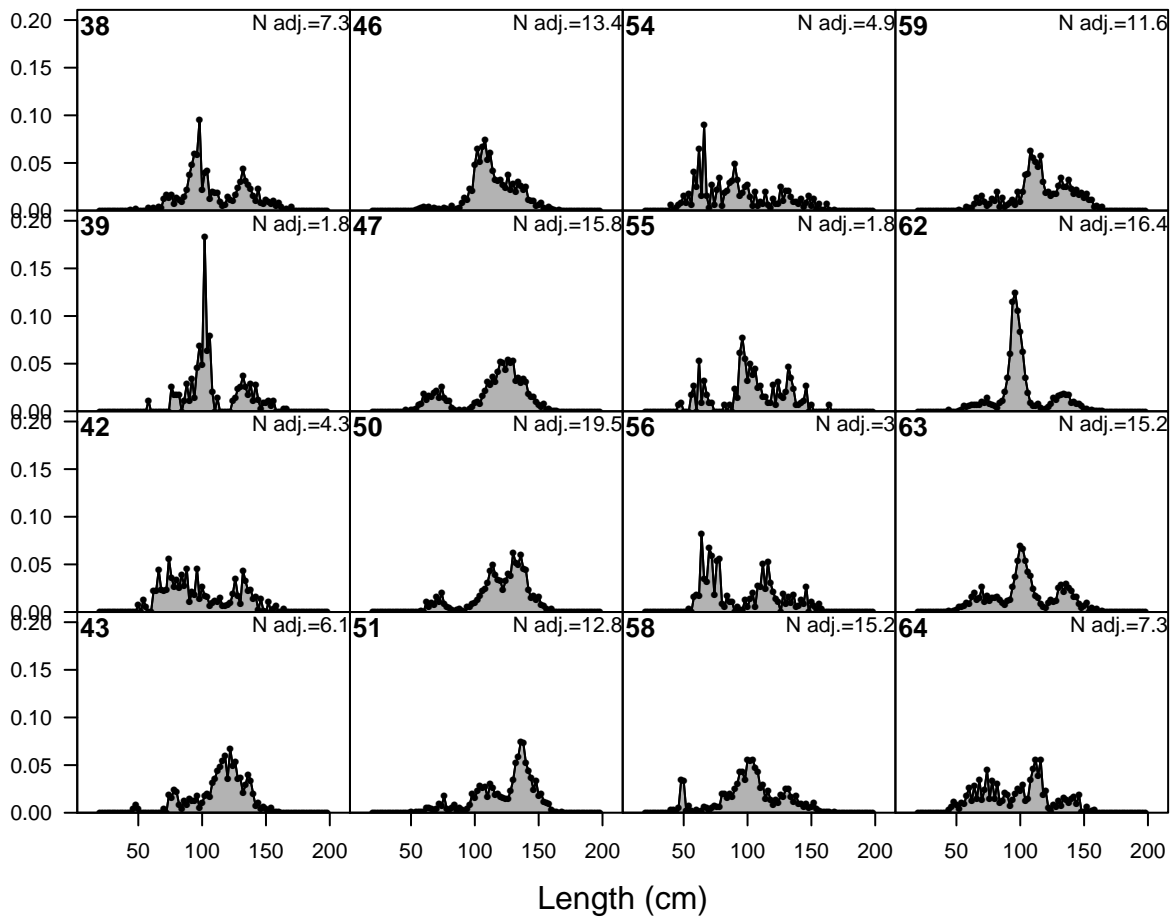
Length (cm)



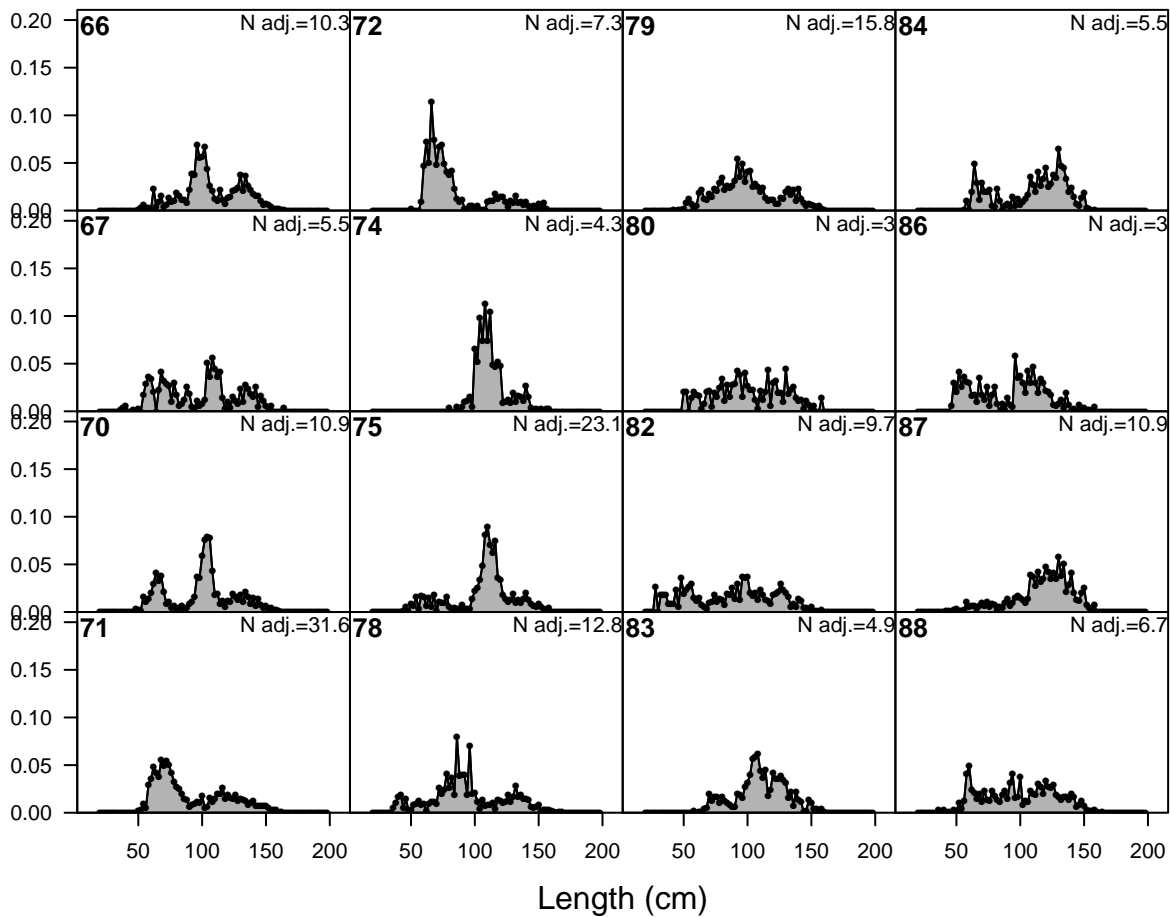
F15-DEL_N (whole catch)



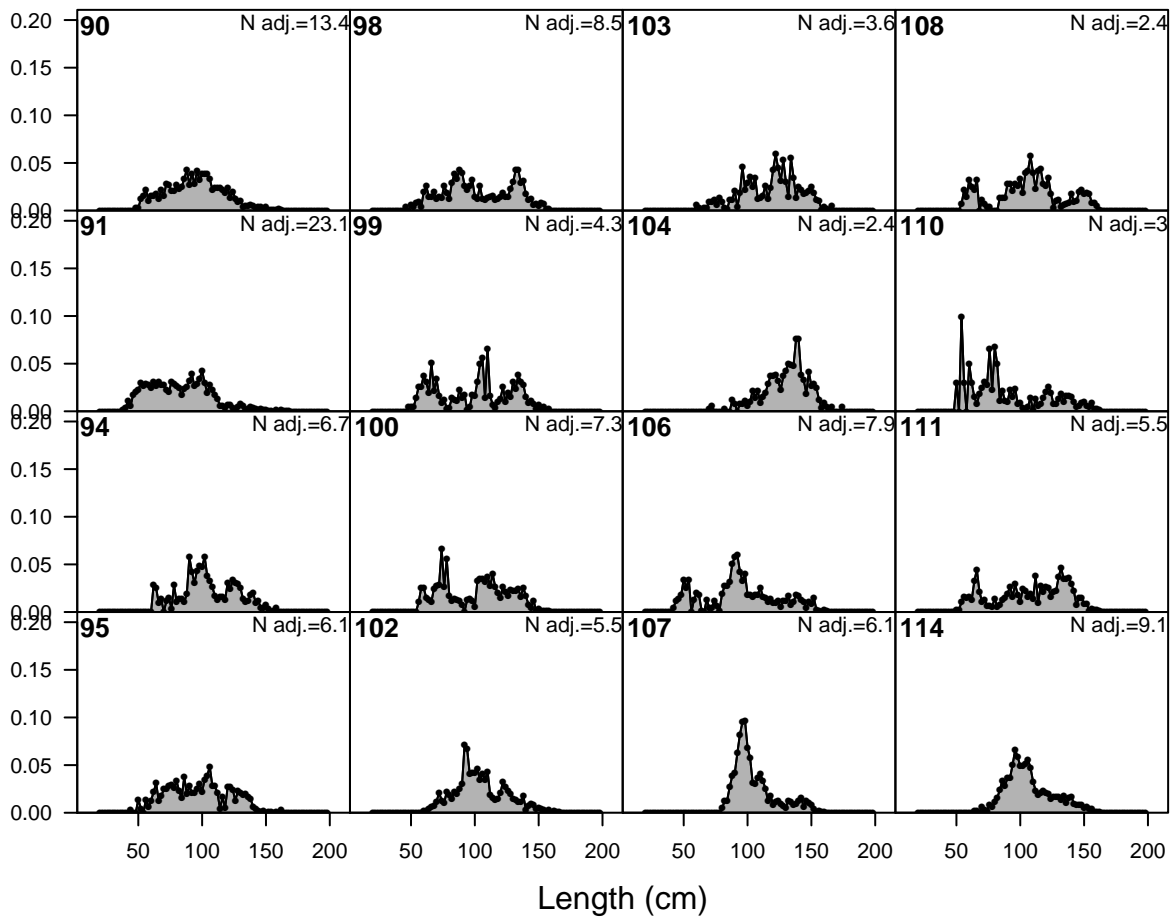
Proportion



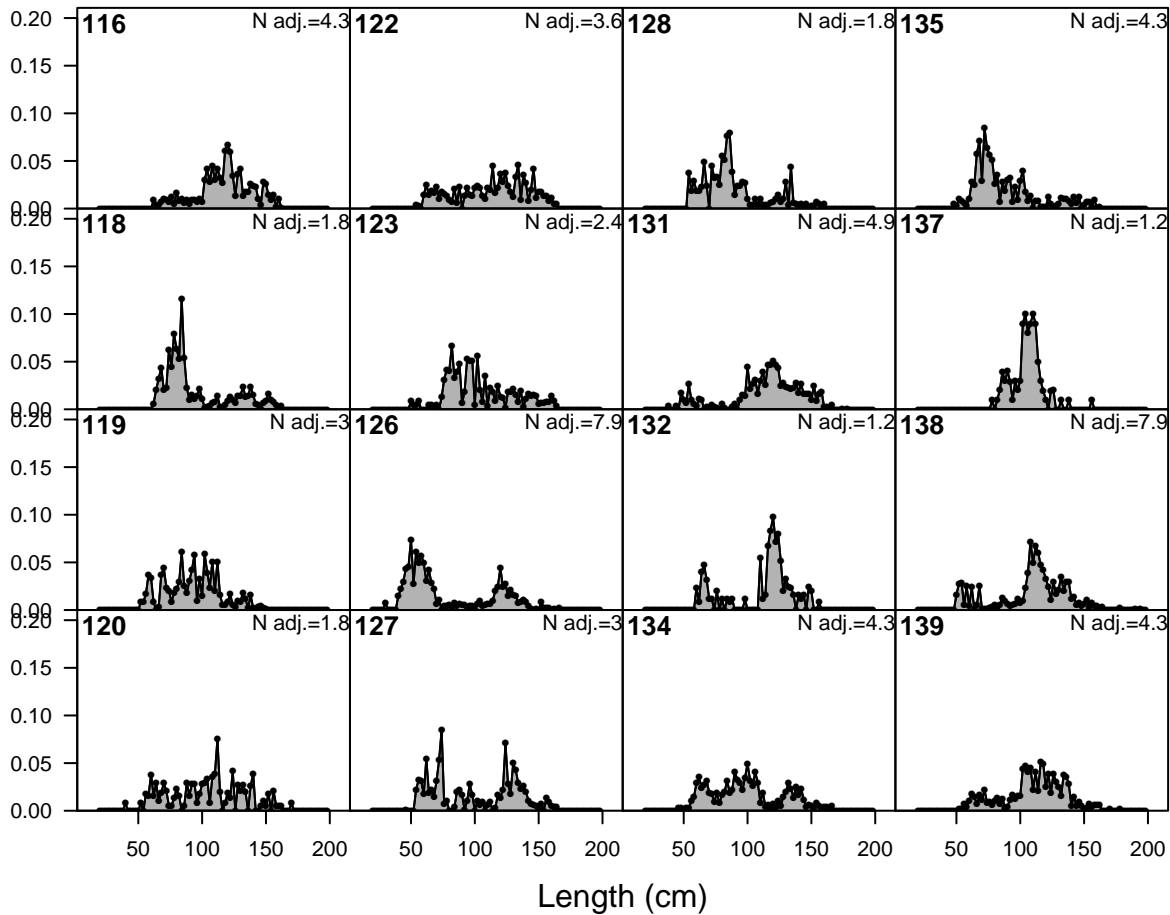
Proportion



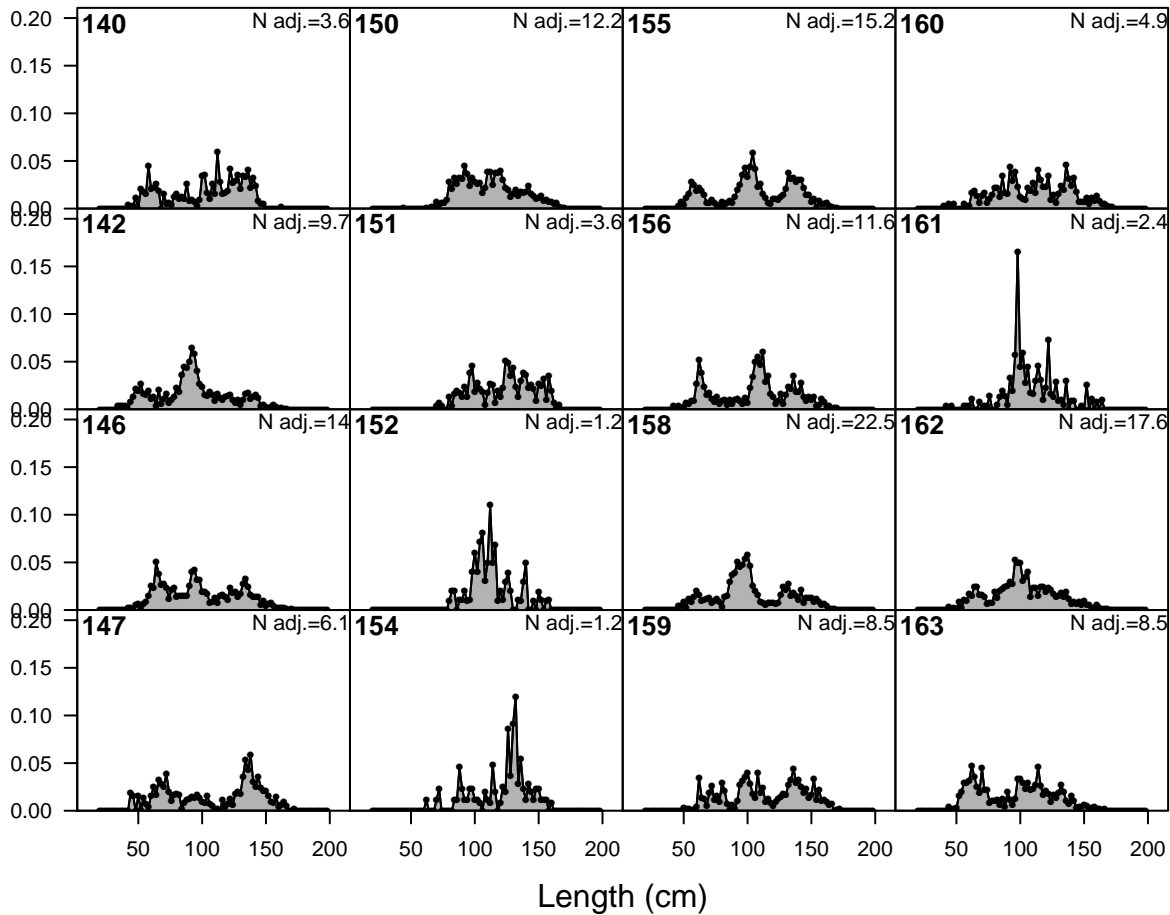
Proportion



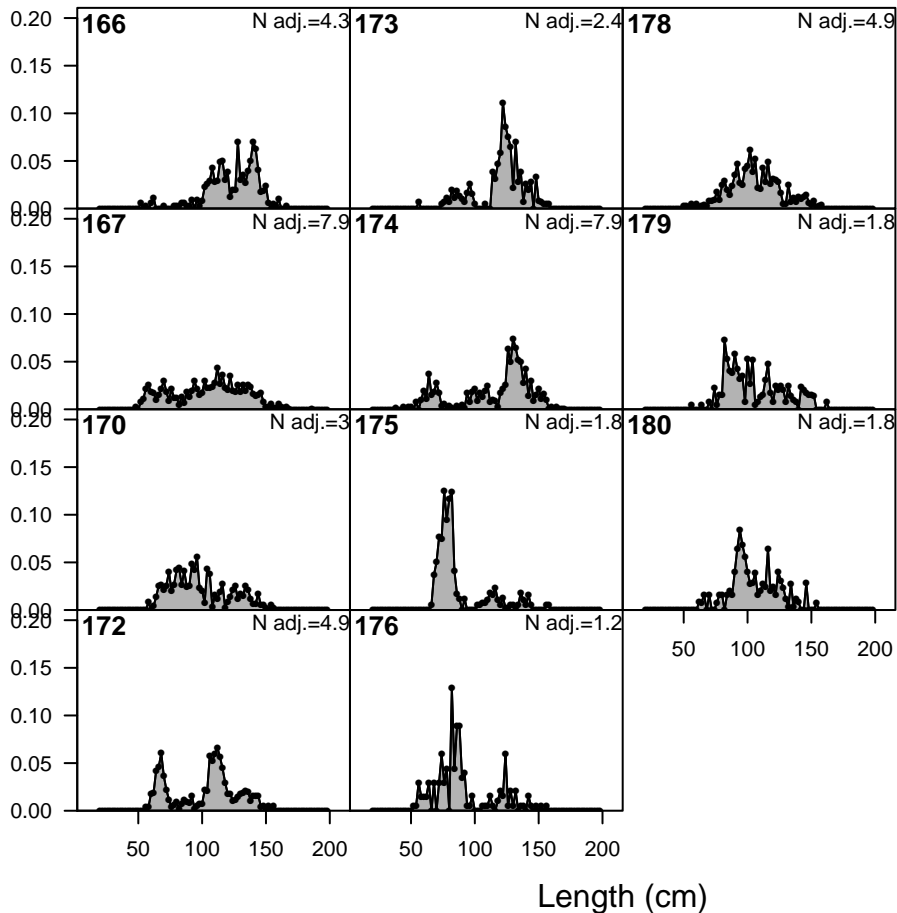
Proportion

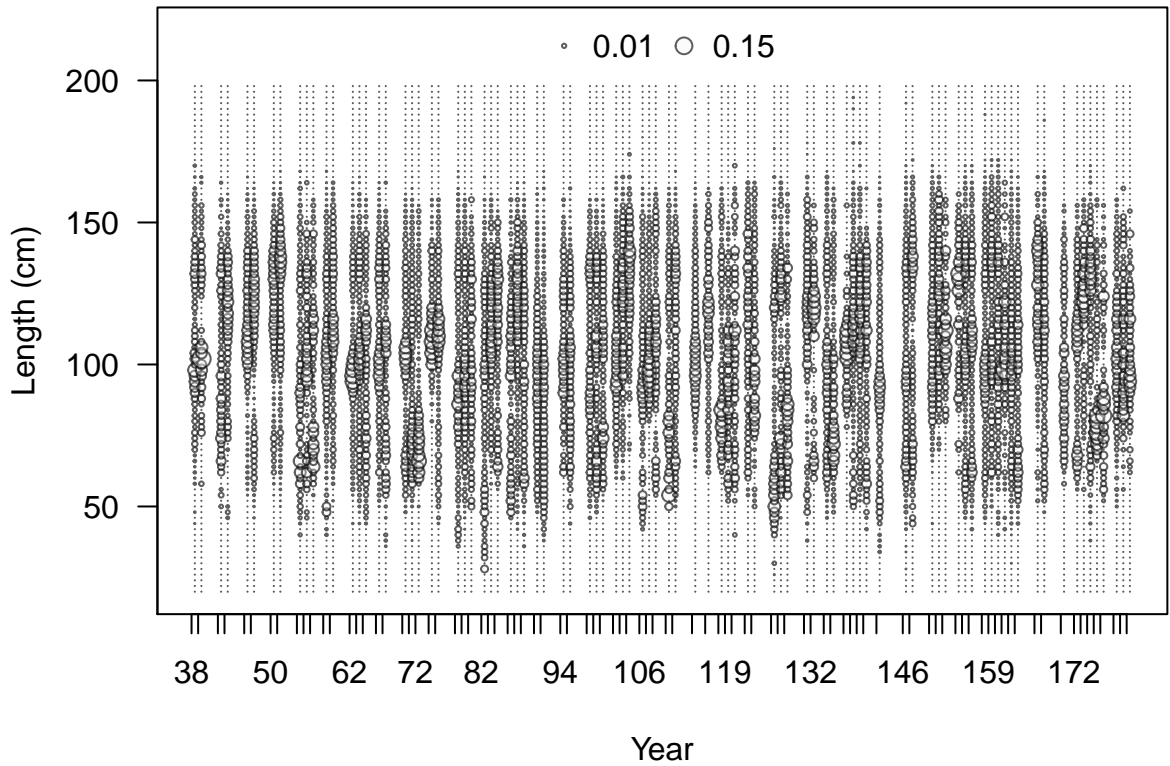


Proportion

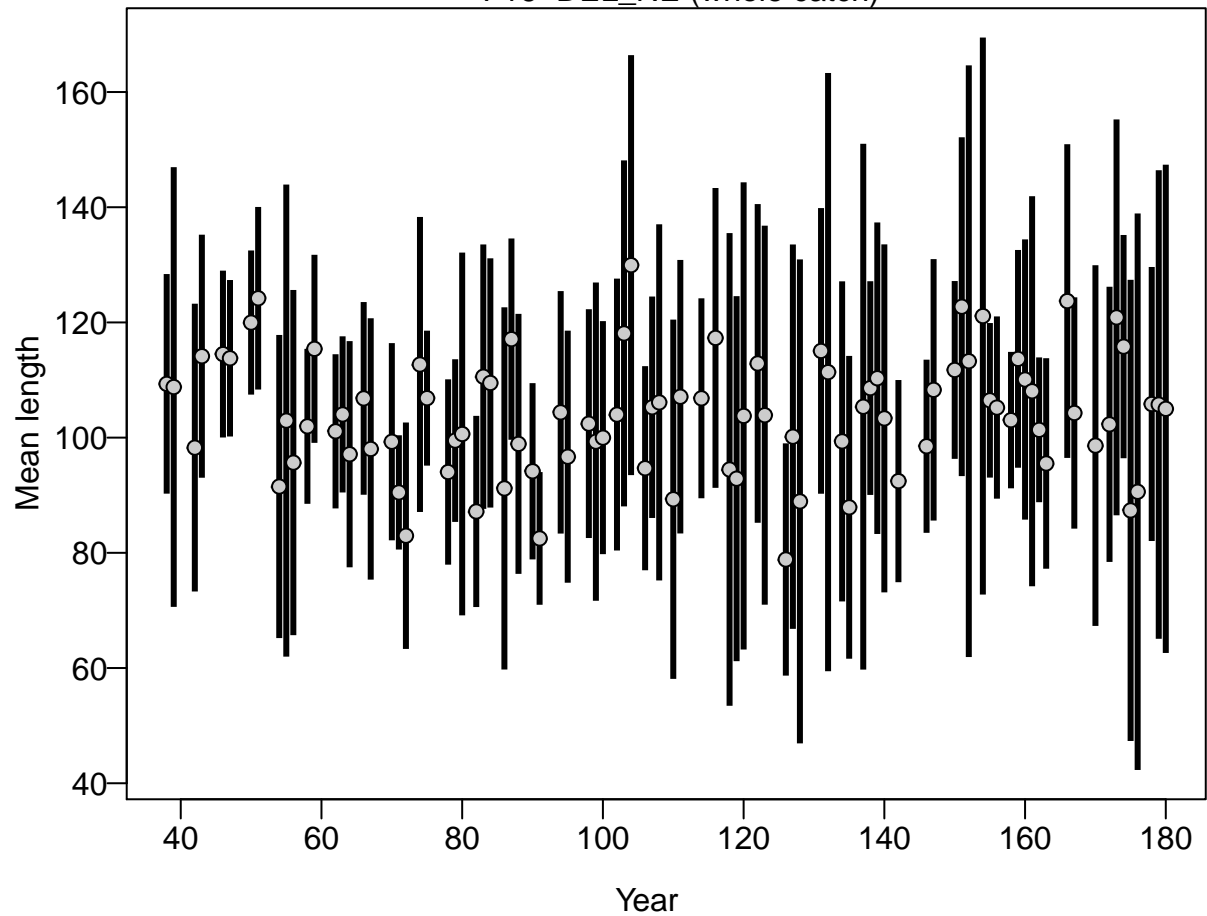


Proportion

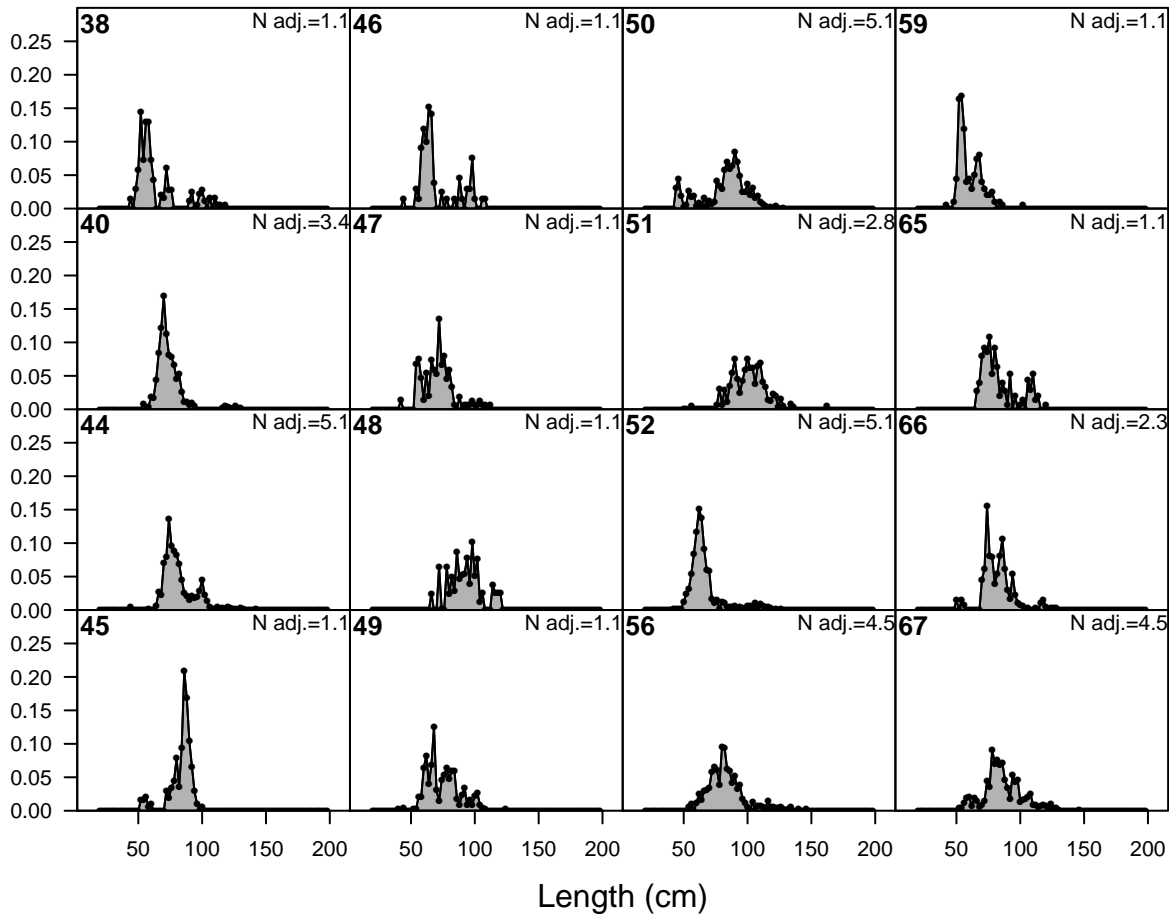




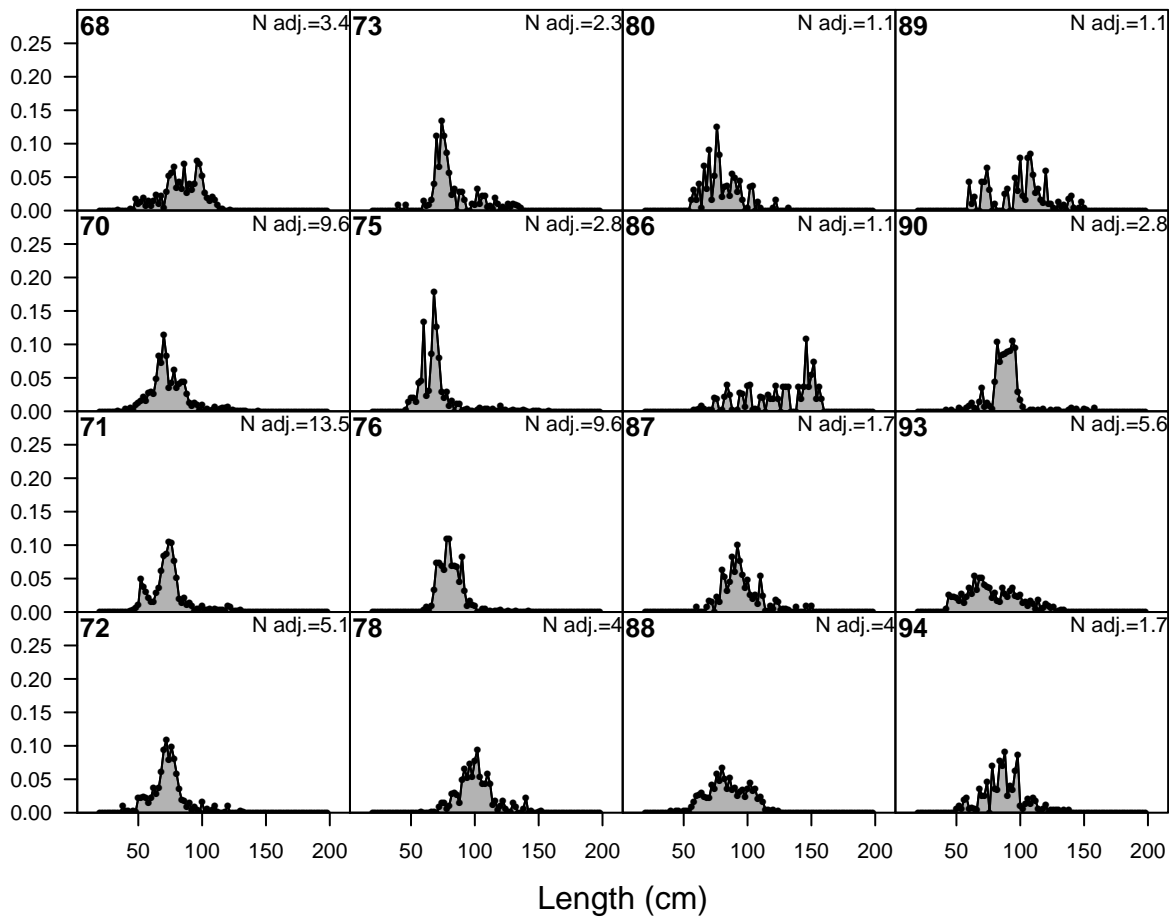
F16-DEL_NE (whole catch)



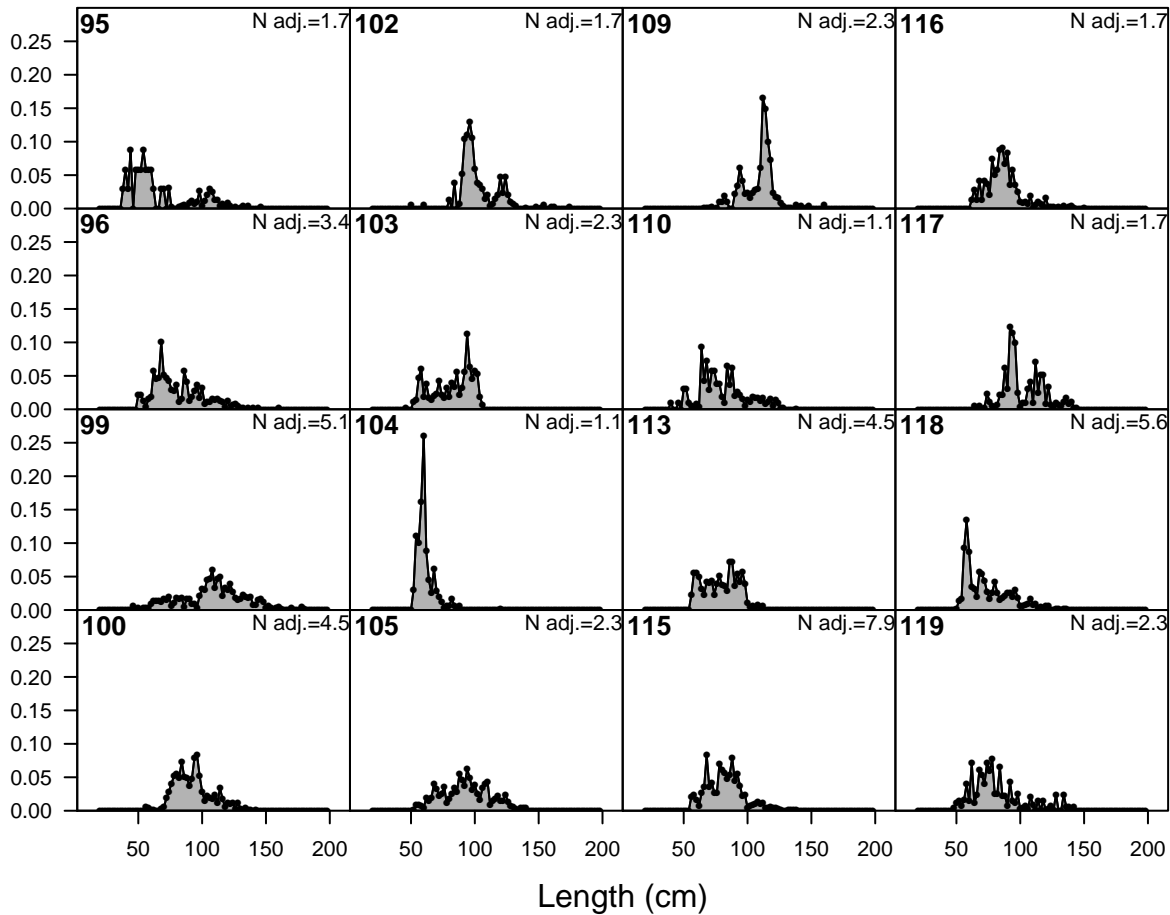
Proportion



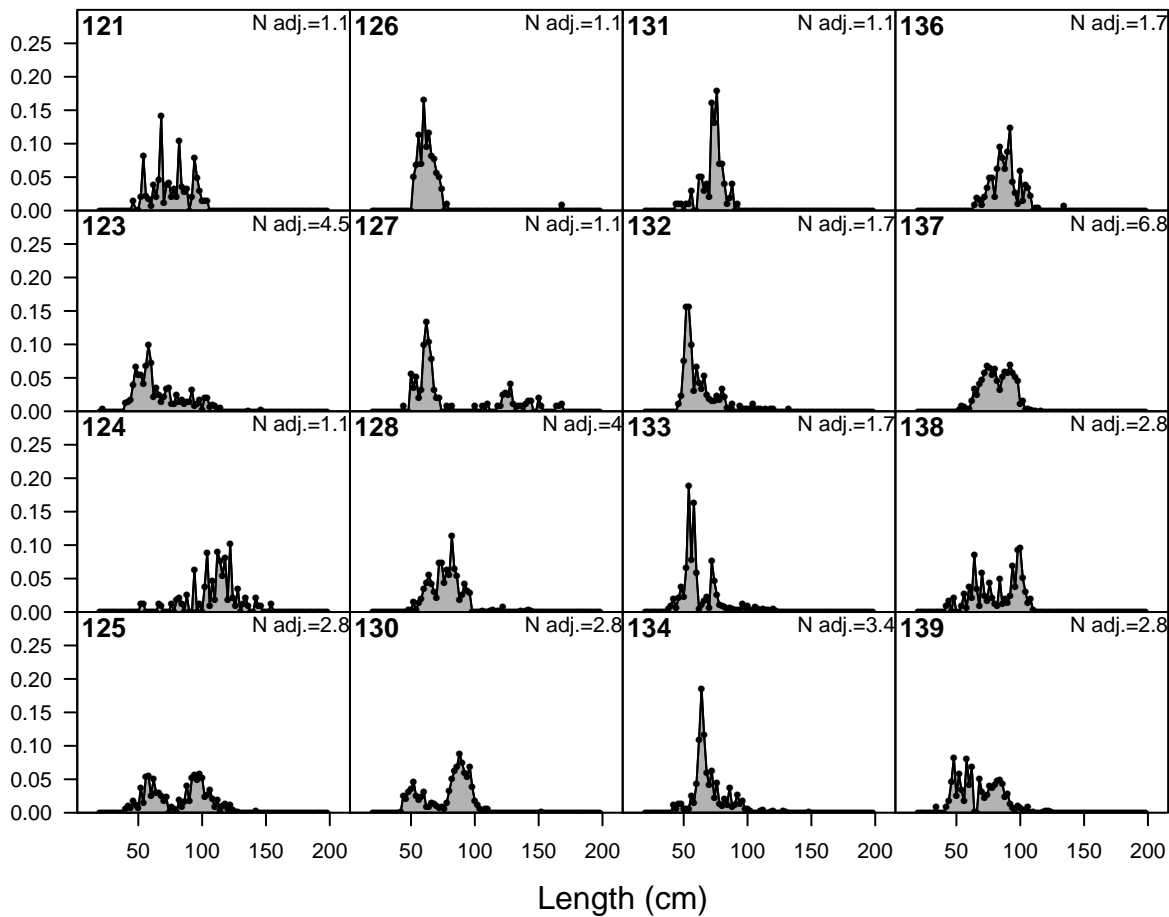
Proportion



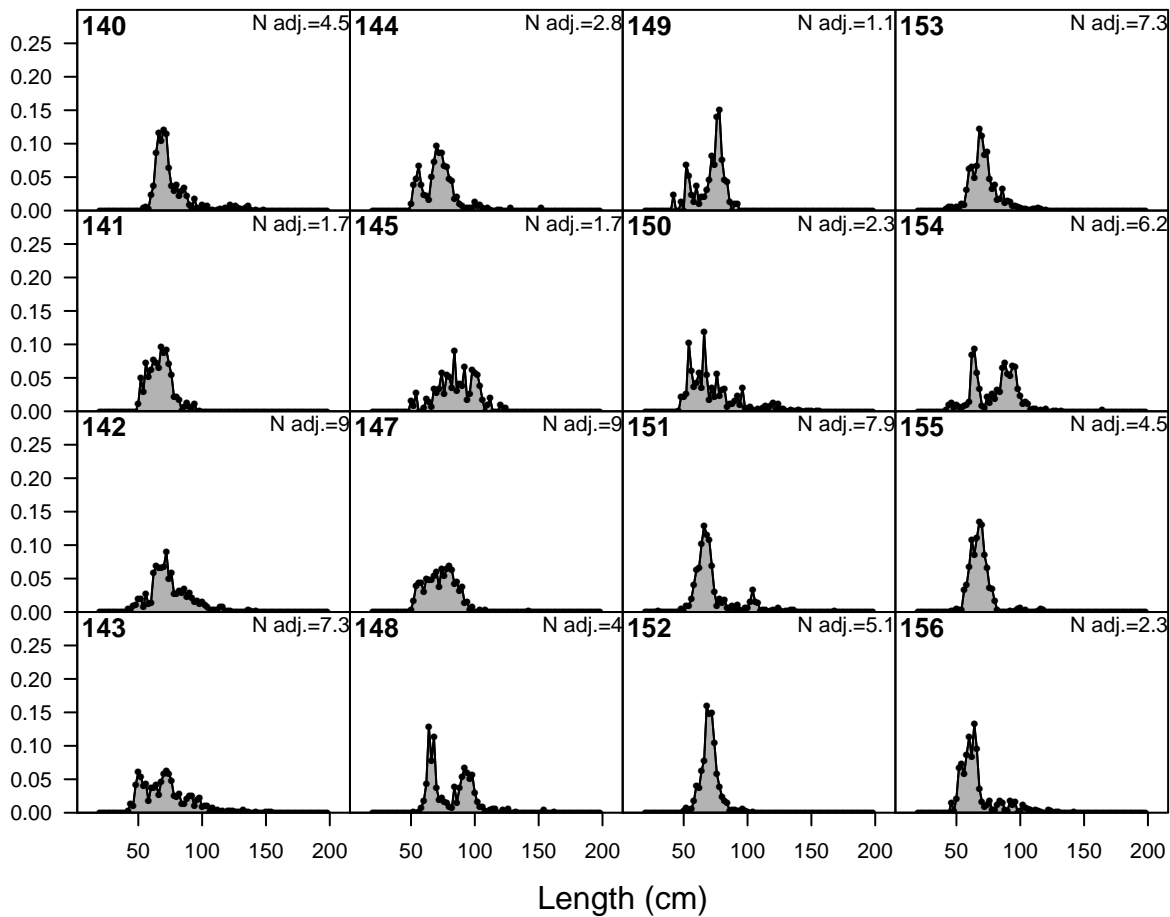
Proportion



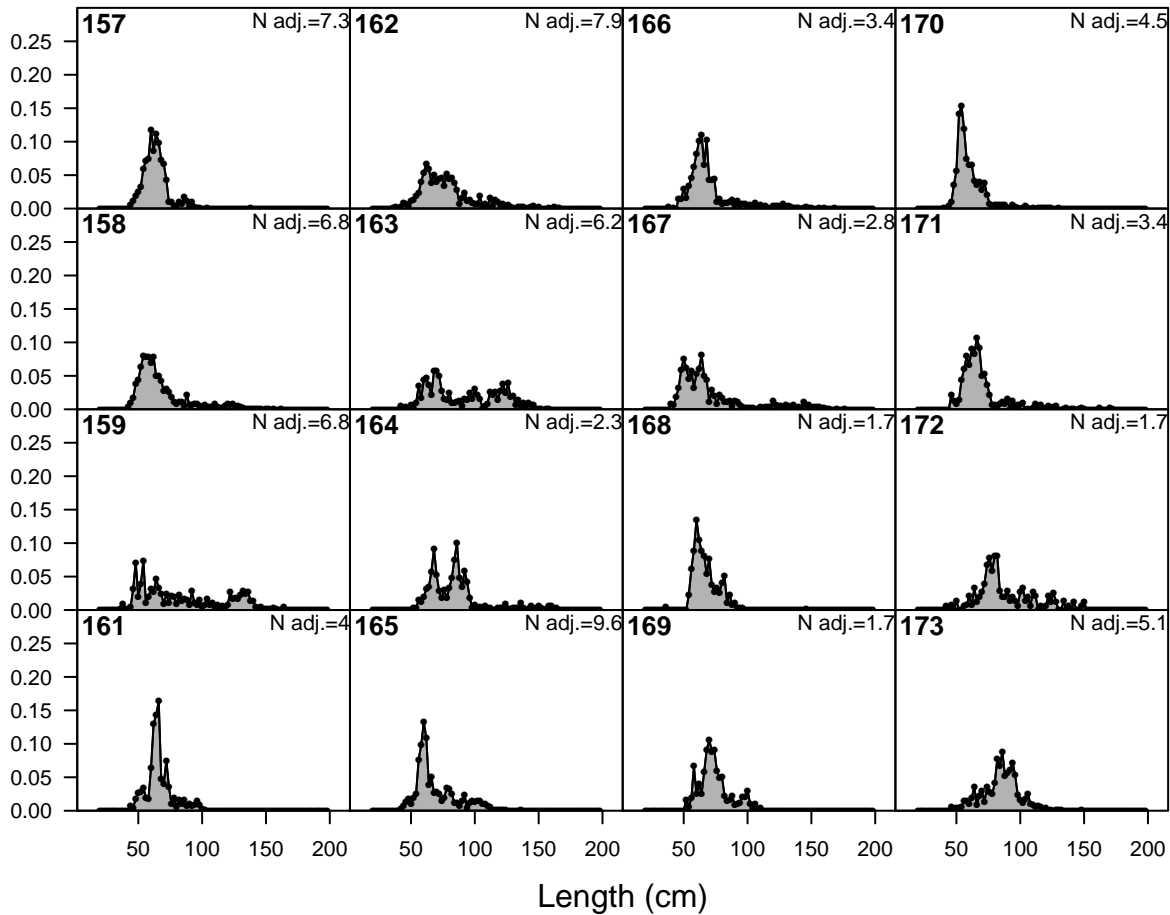
Proportion

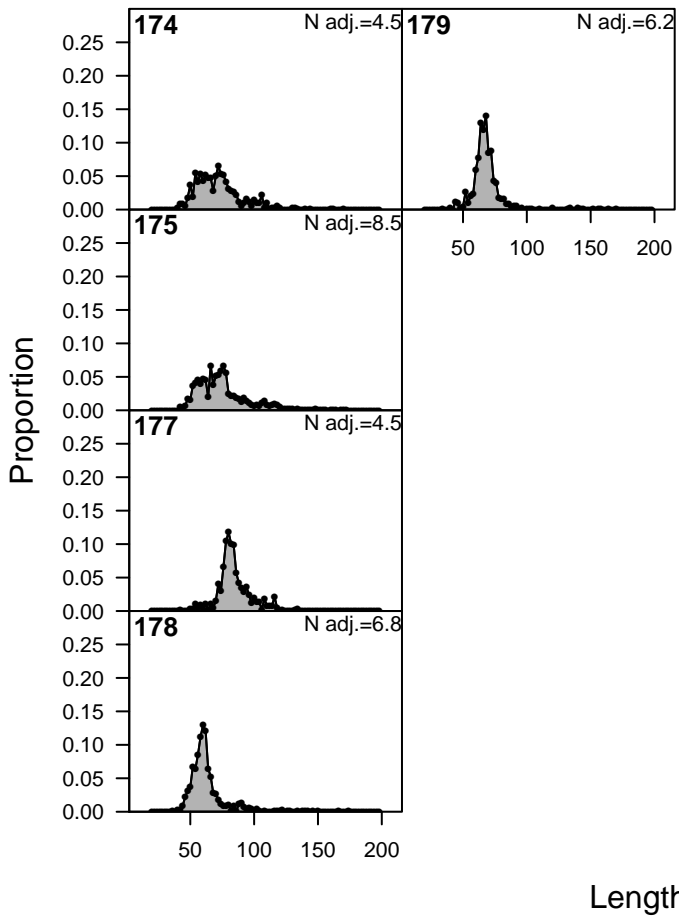


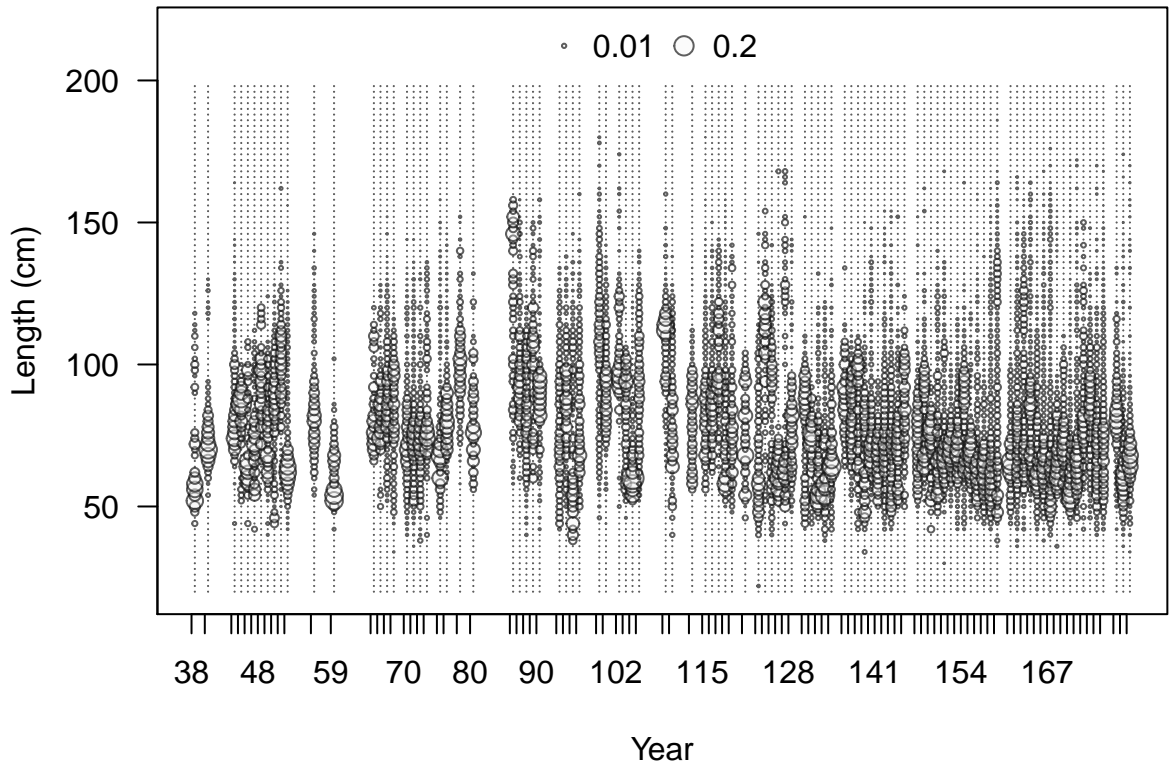
Proportion



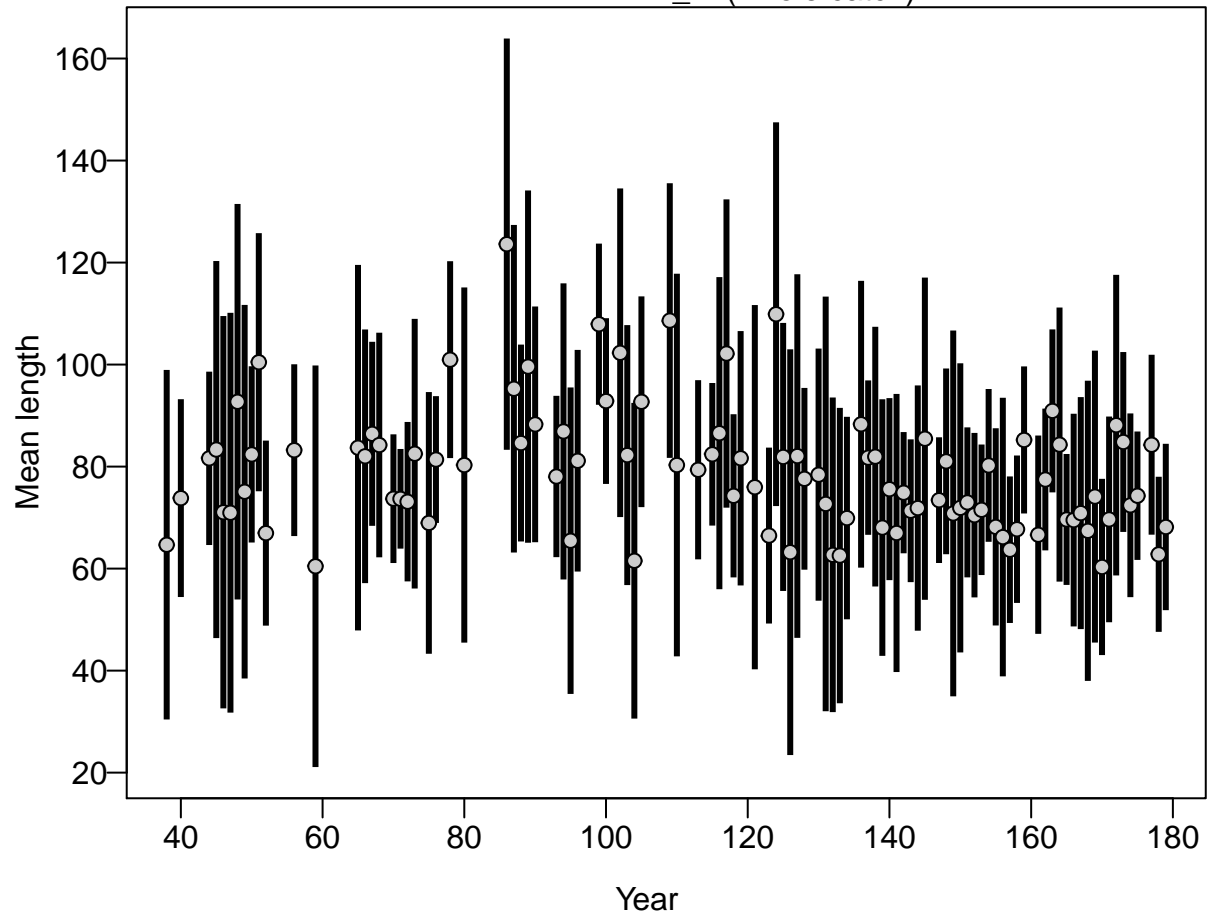
Proportion



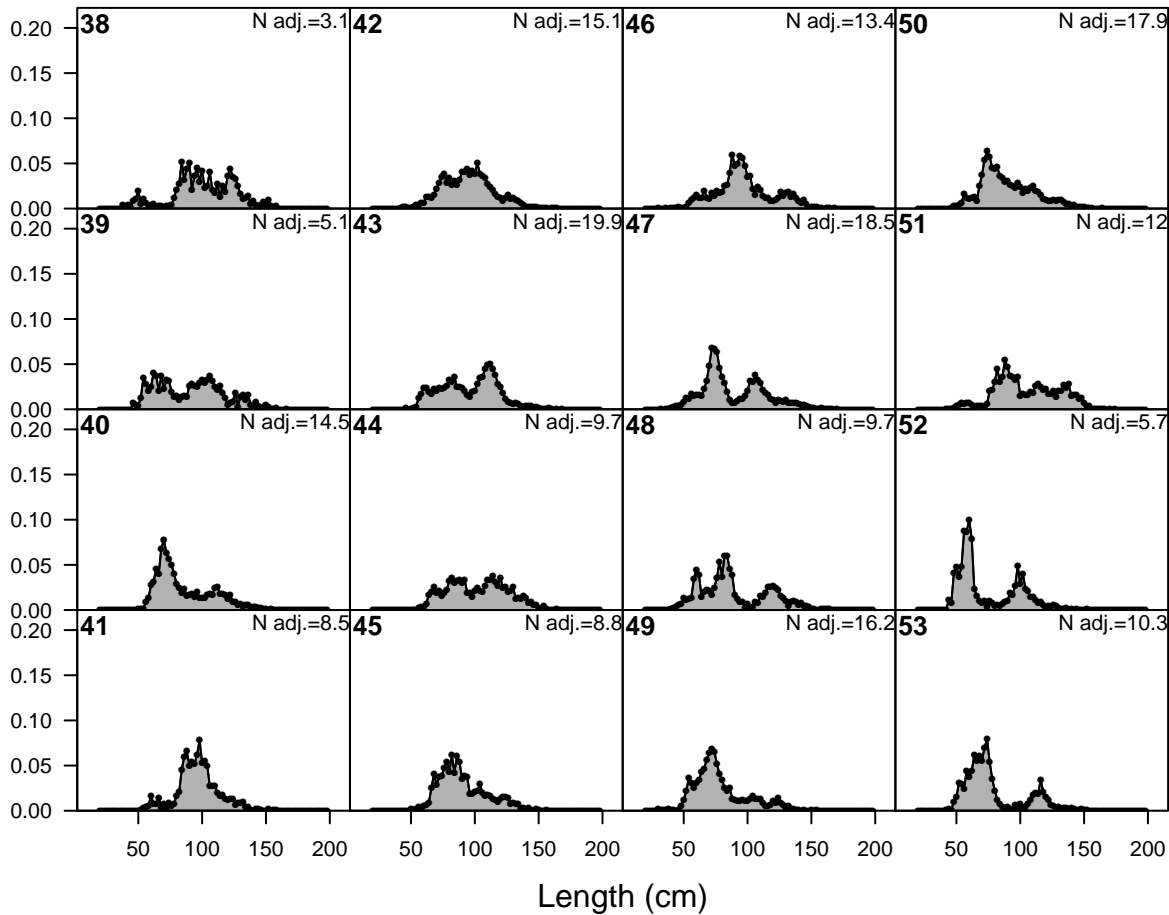




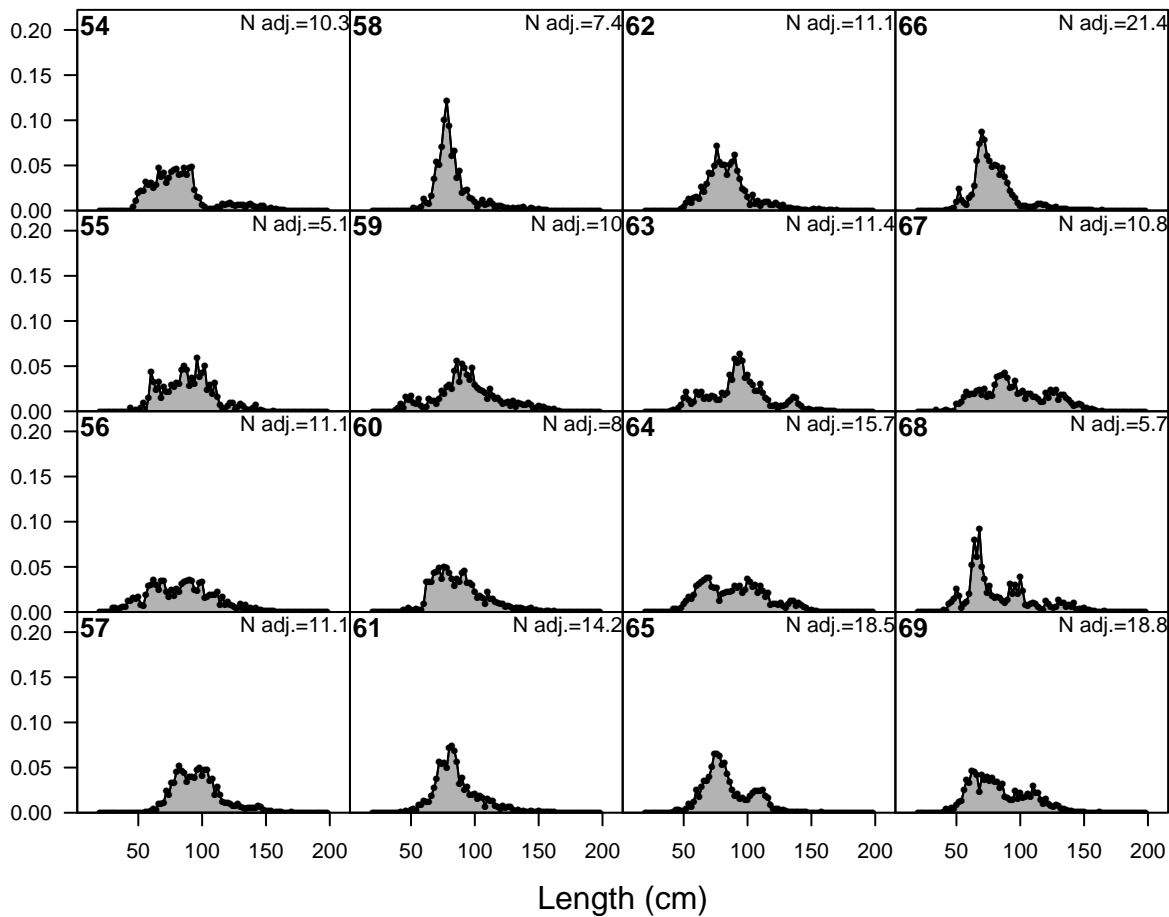
F17-DEL_M (whole catch)



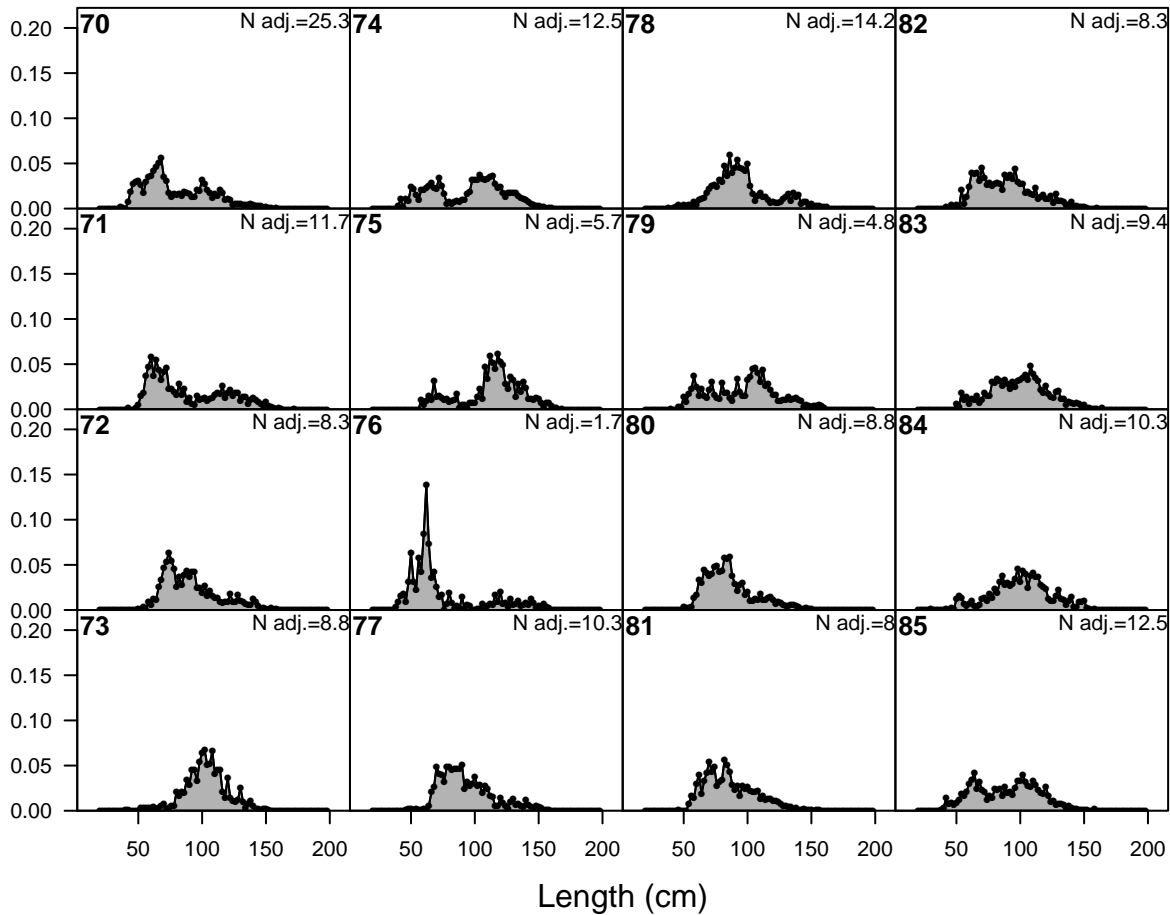
Proportion



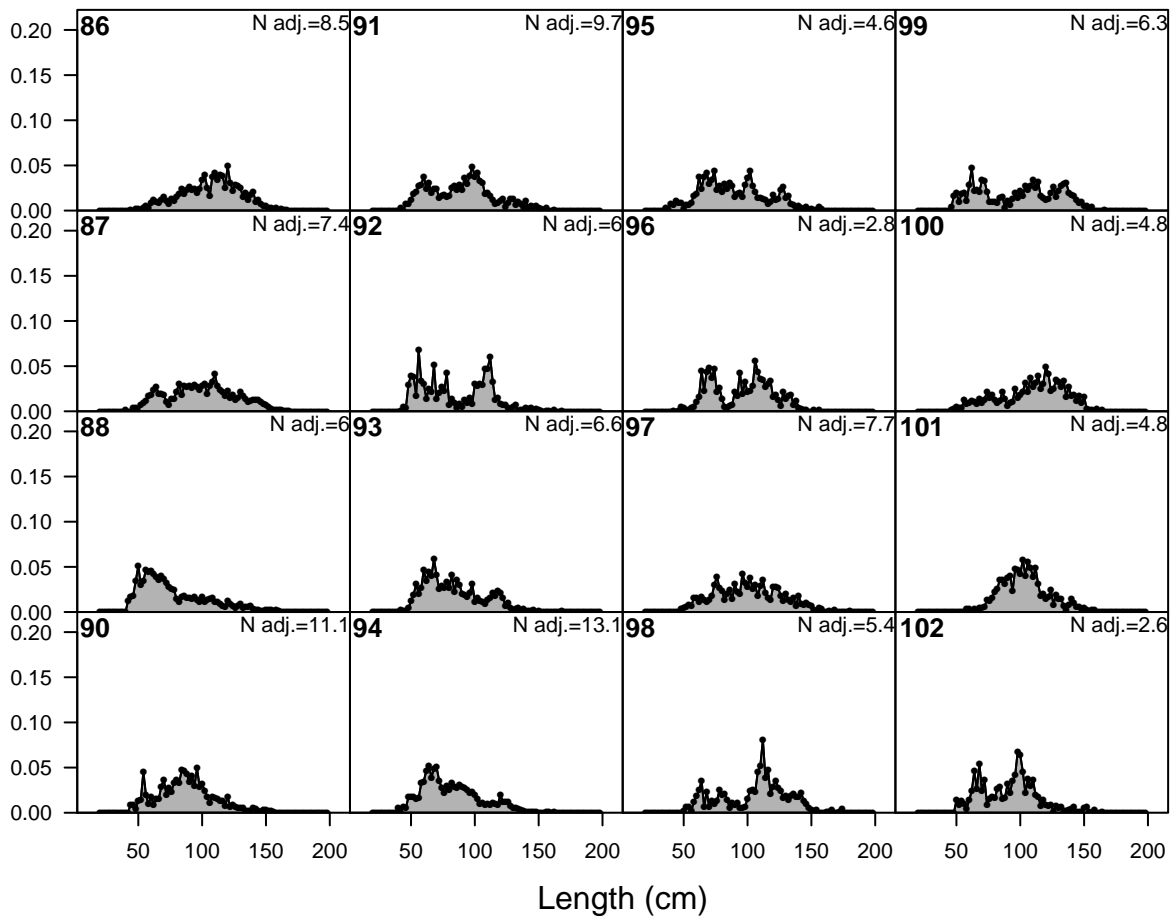
Proportion



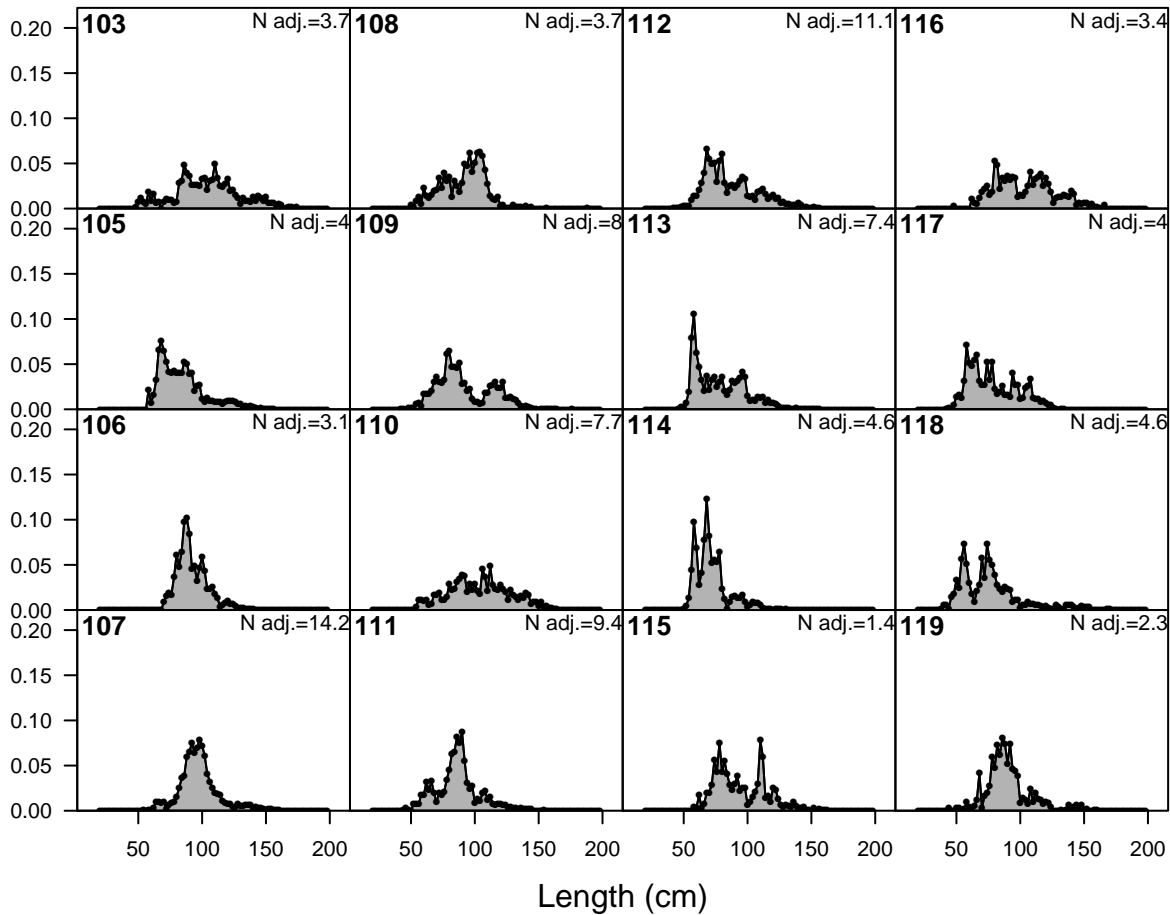
Proportion



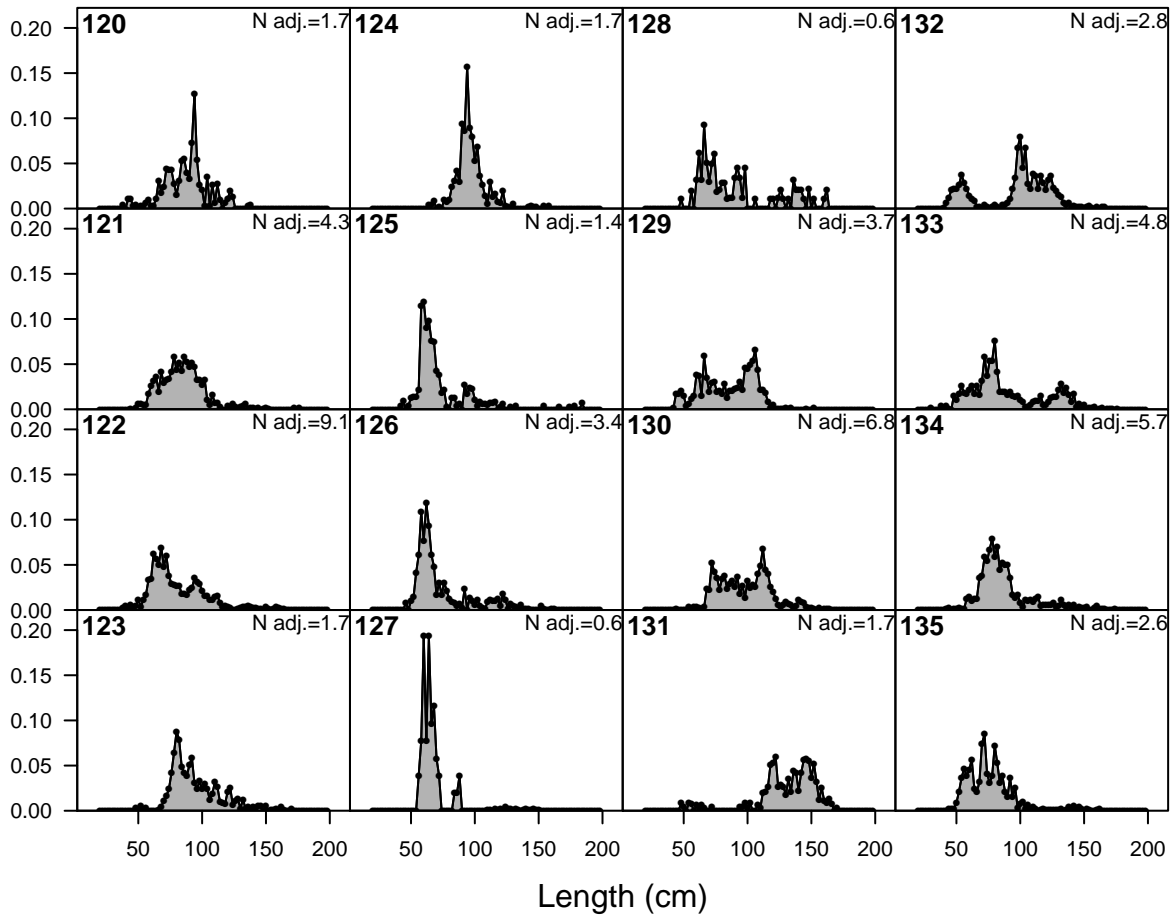
Proportion



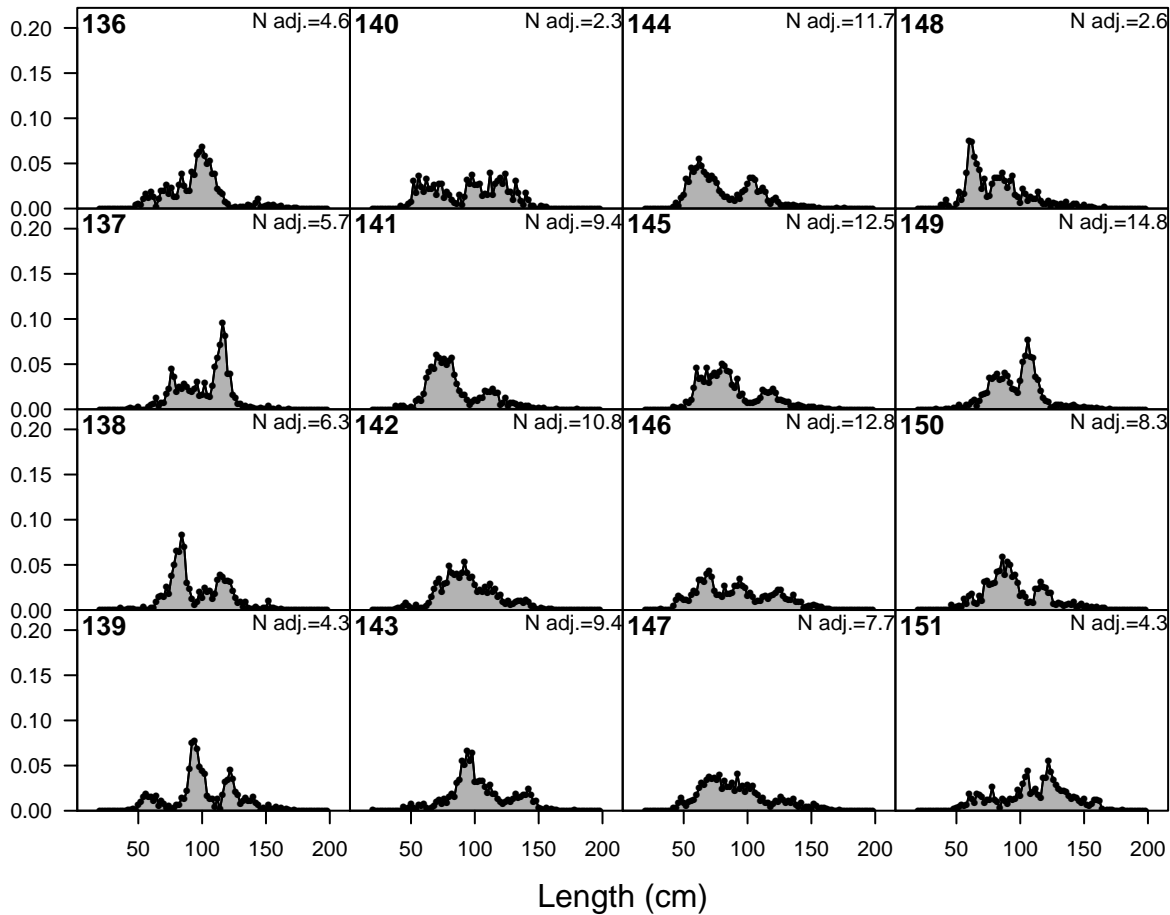
Proportion



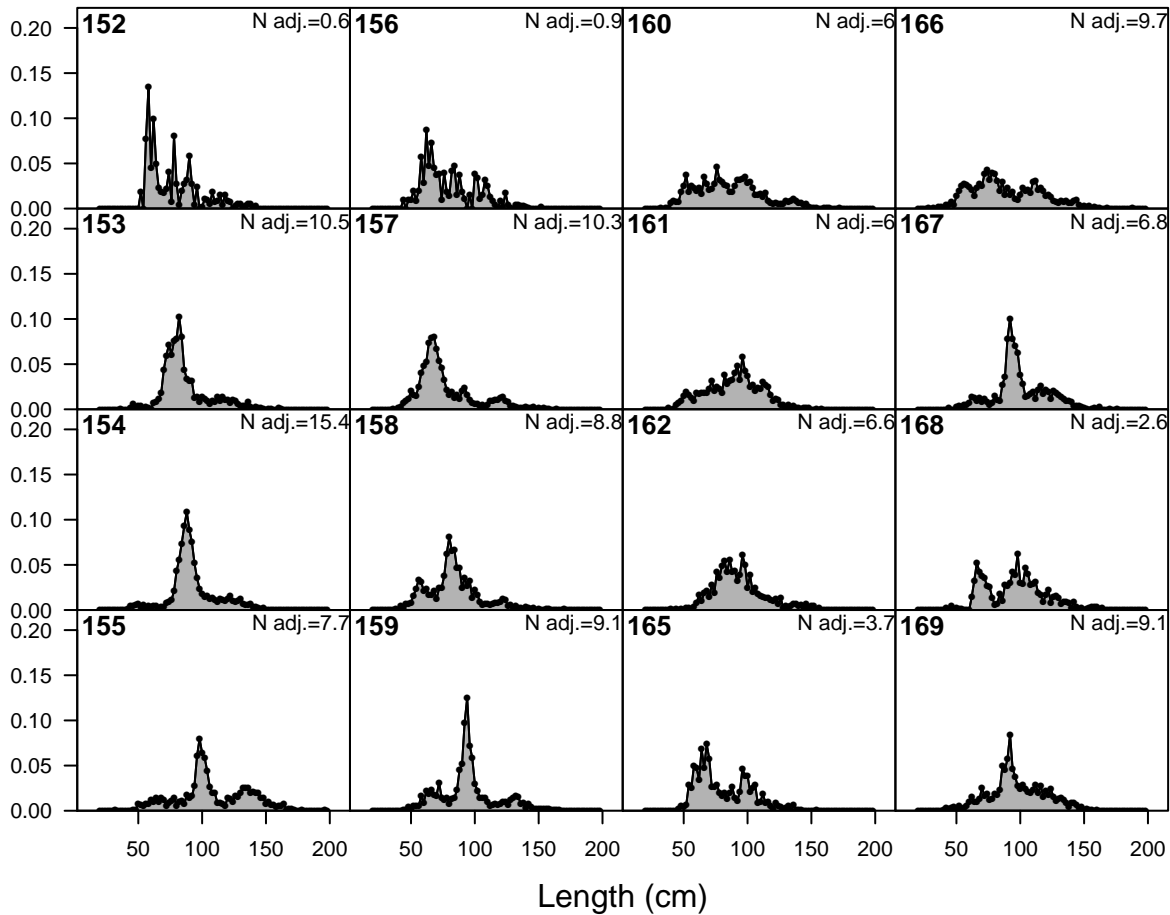
Proportion



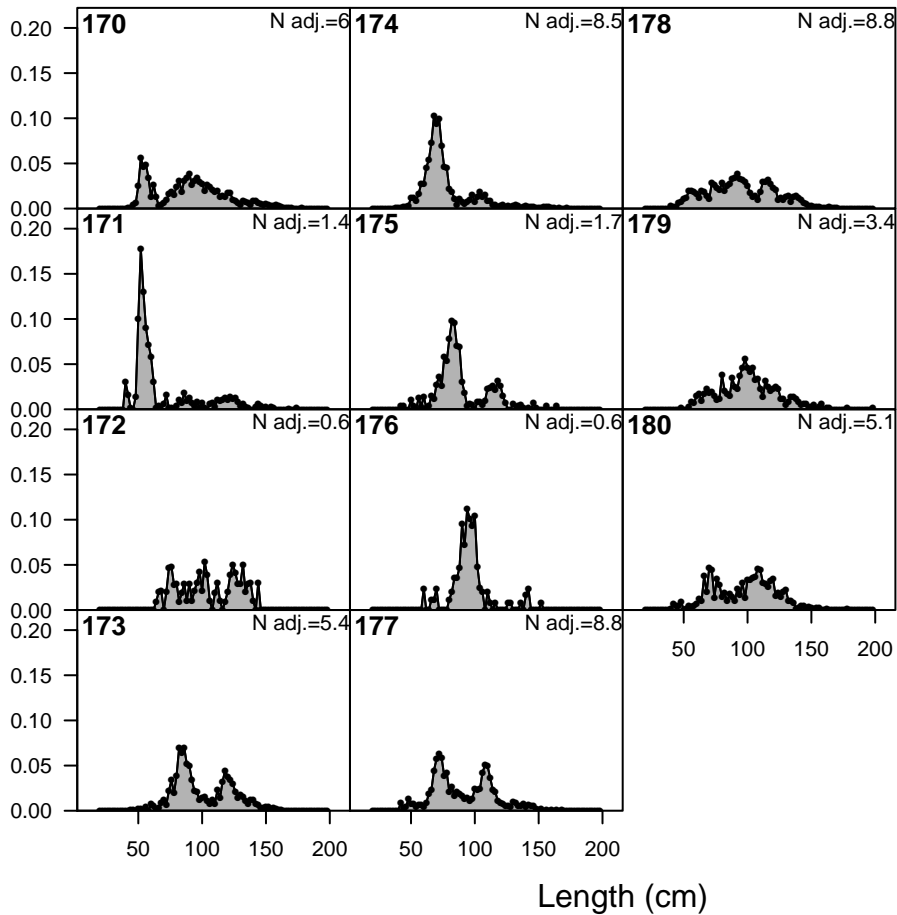
Proportion

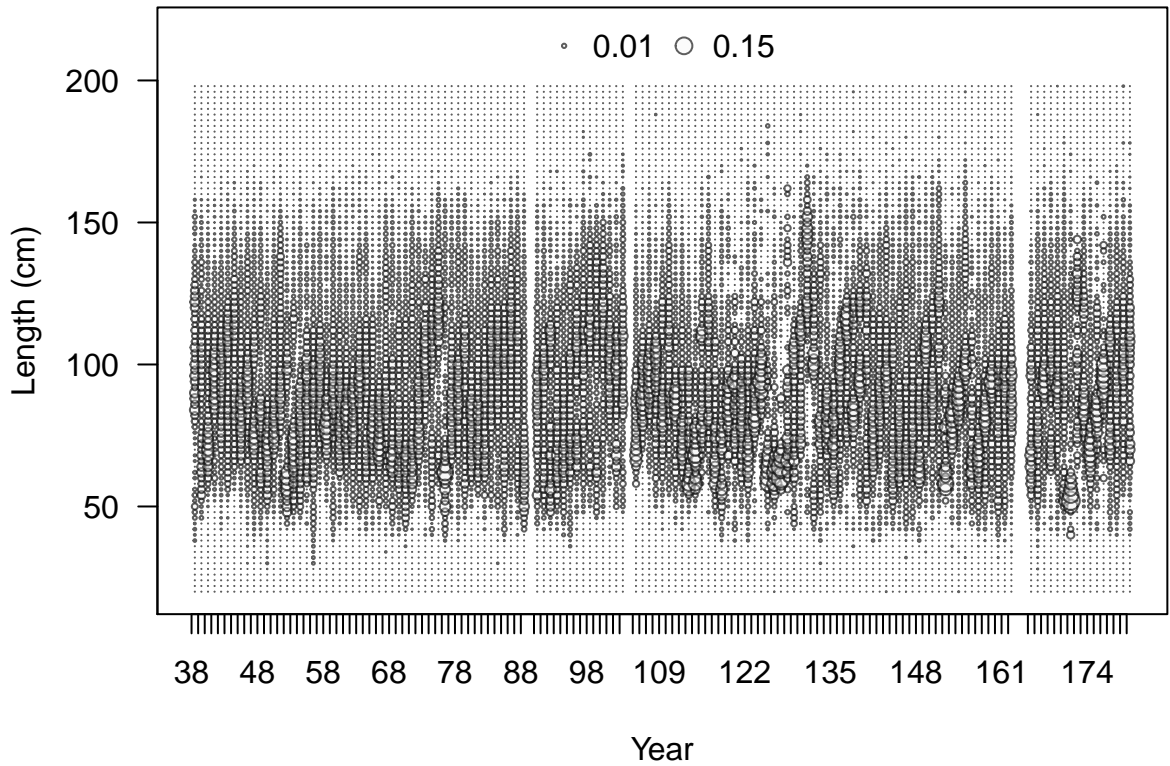


Proportion

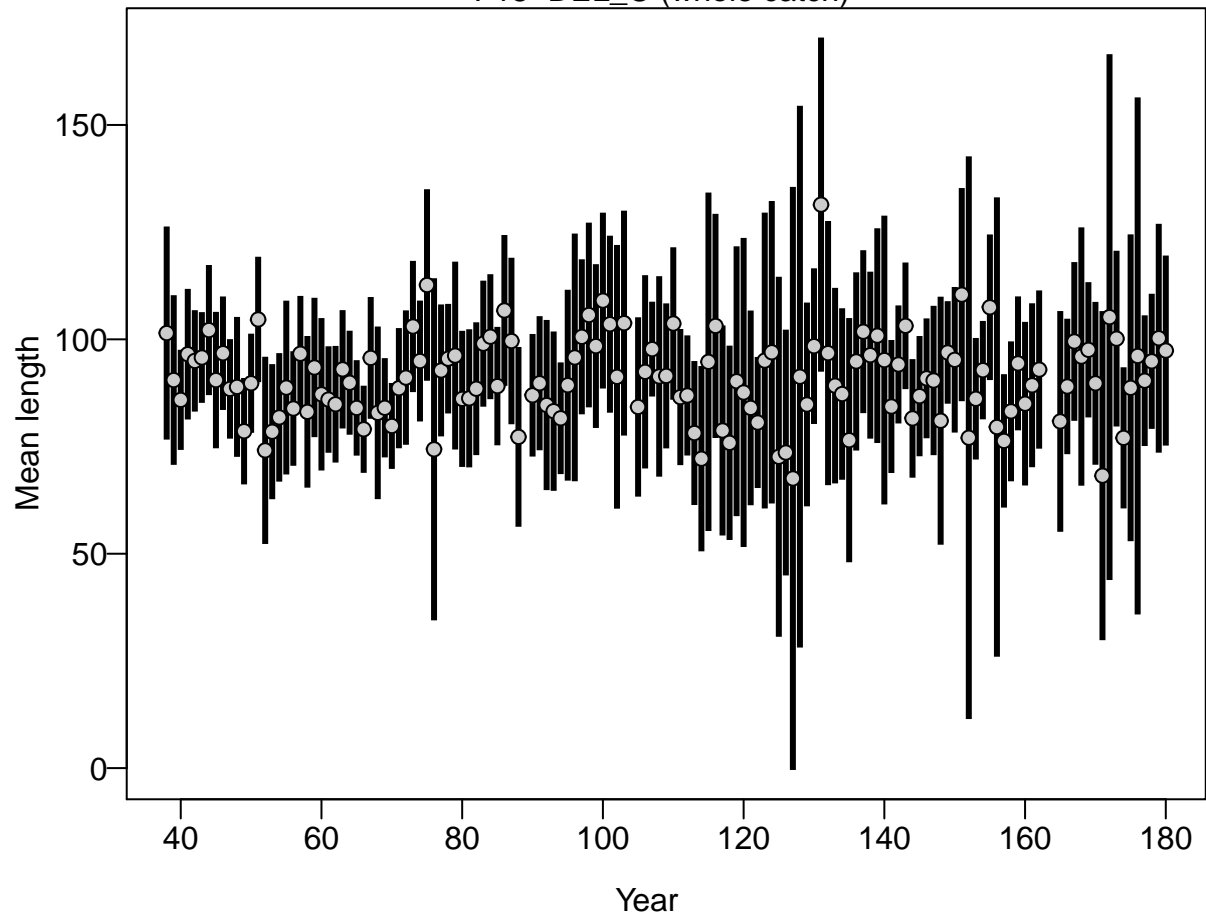


Proportion

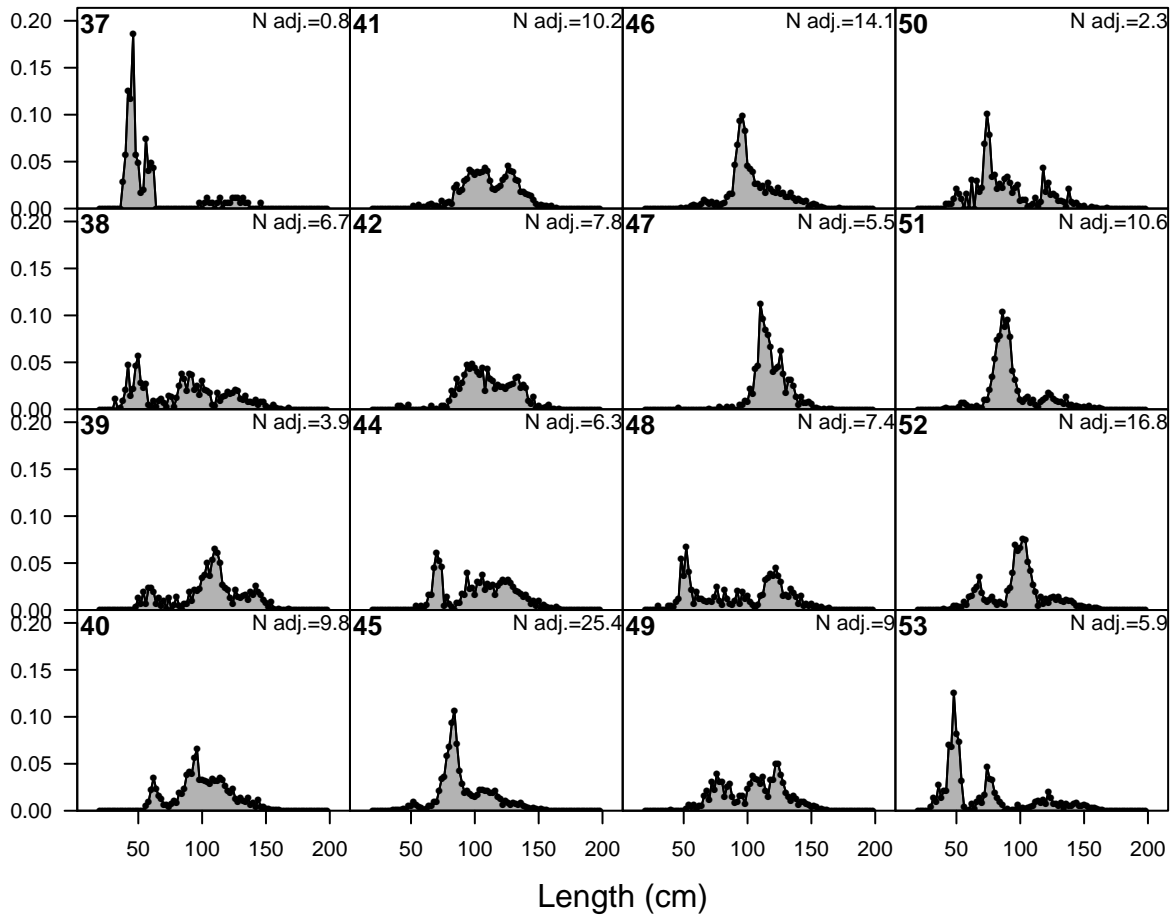




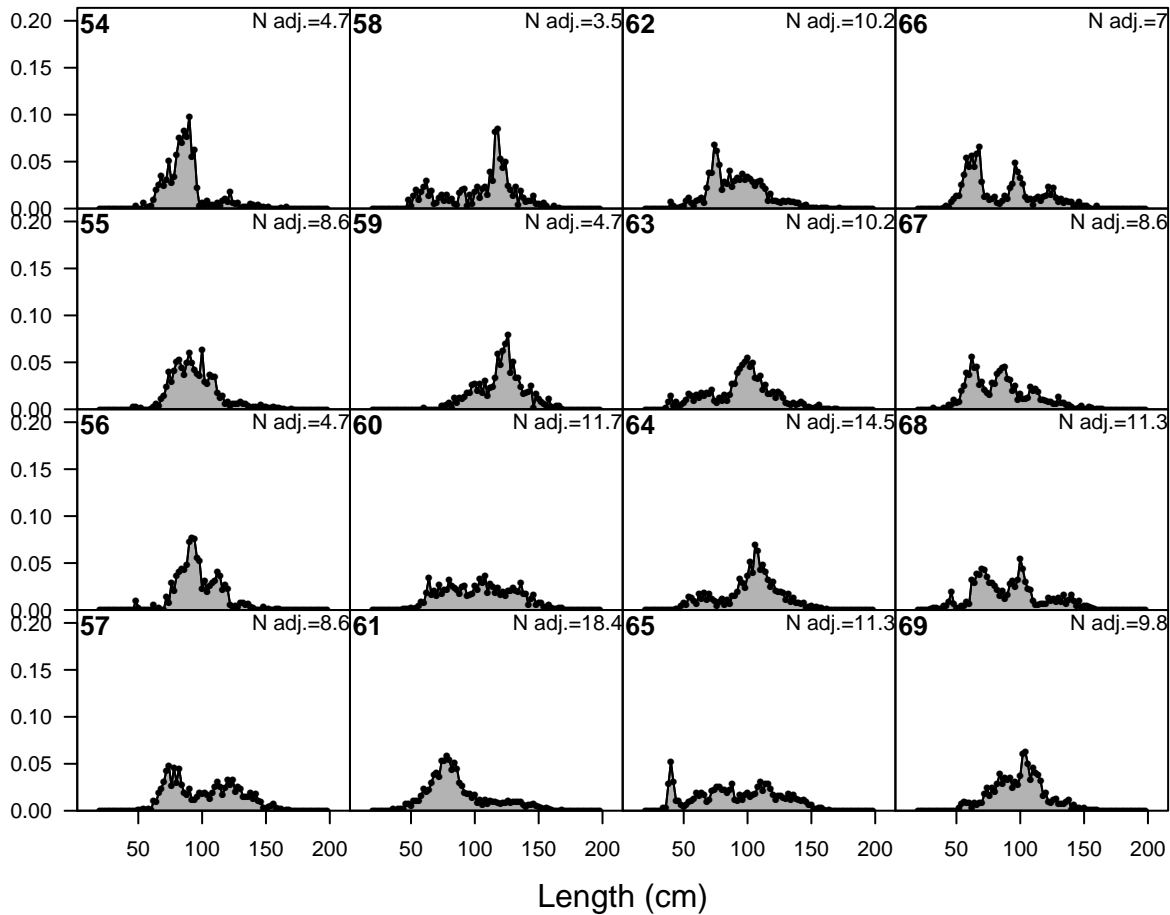
F18-DEL_C (whole catch)



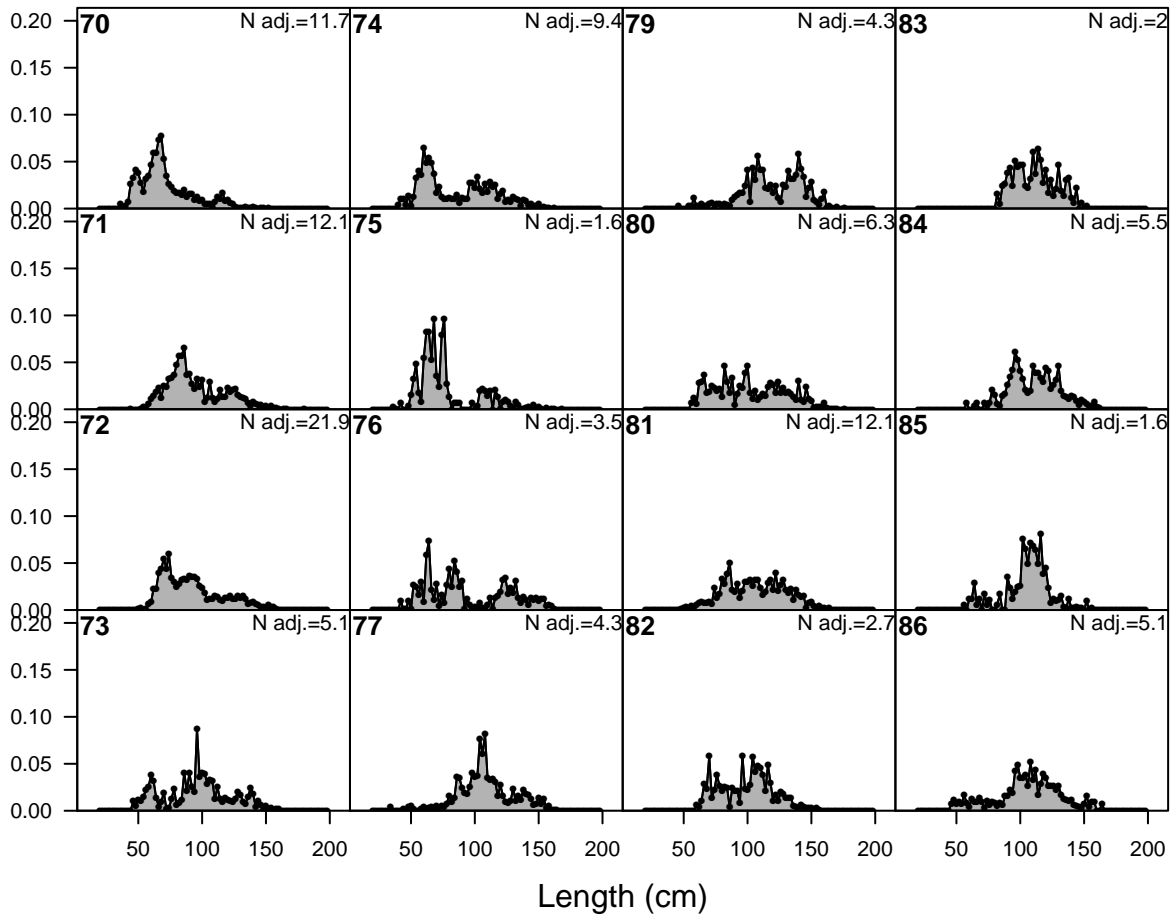
Proportion



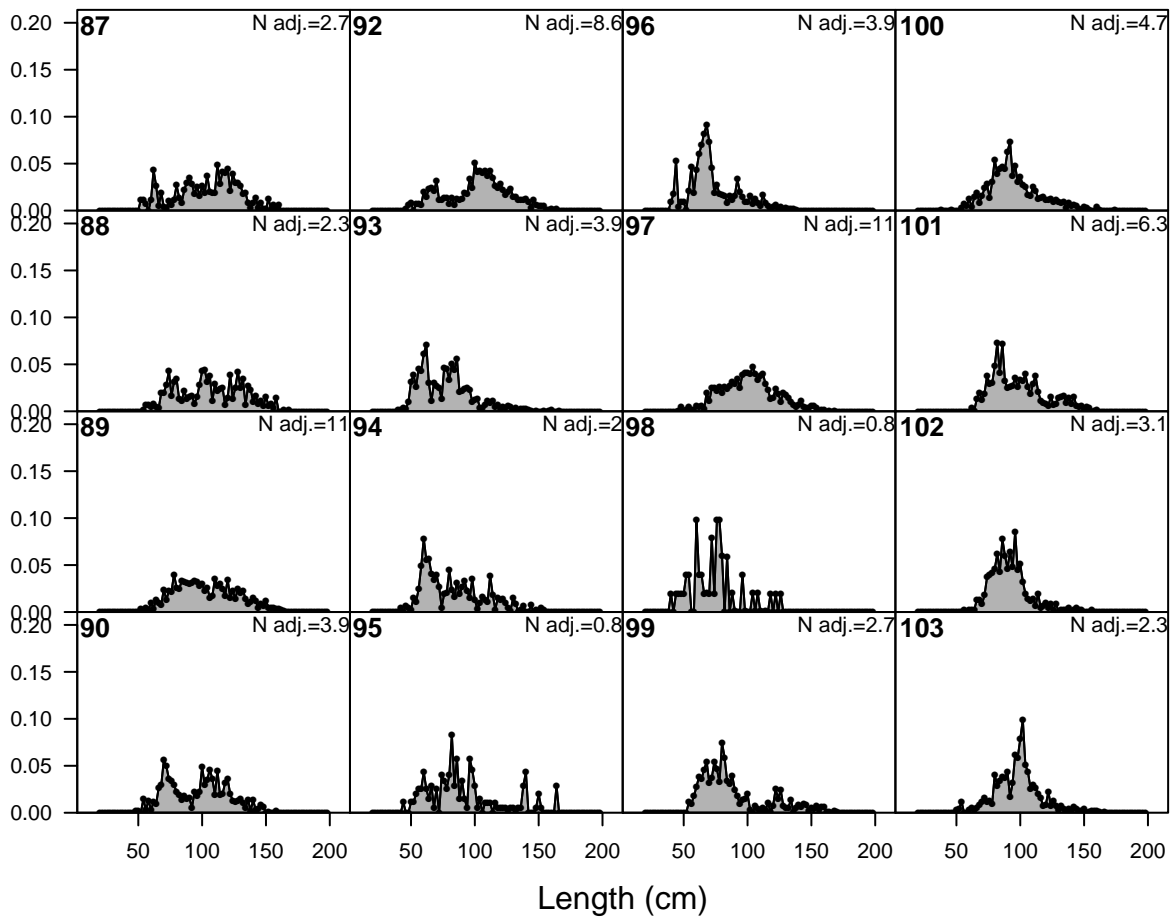
Proportion



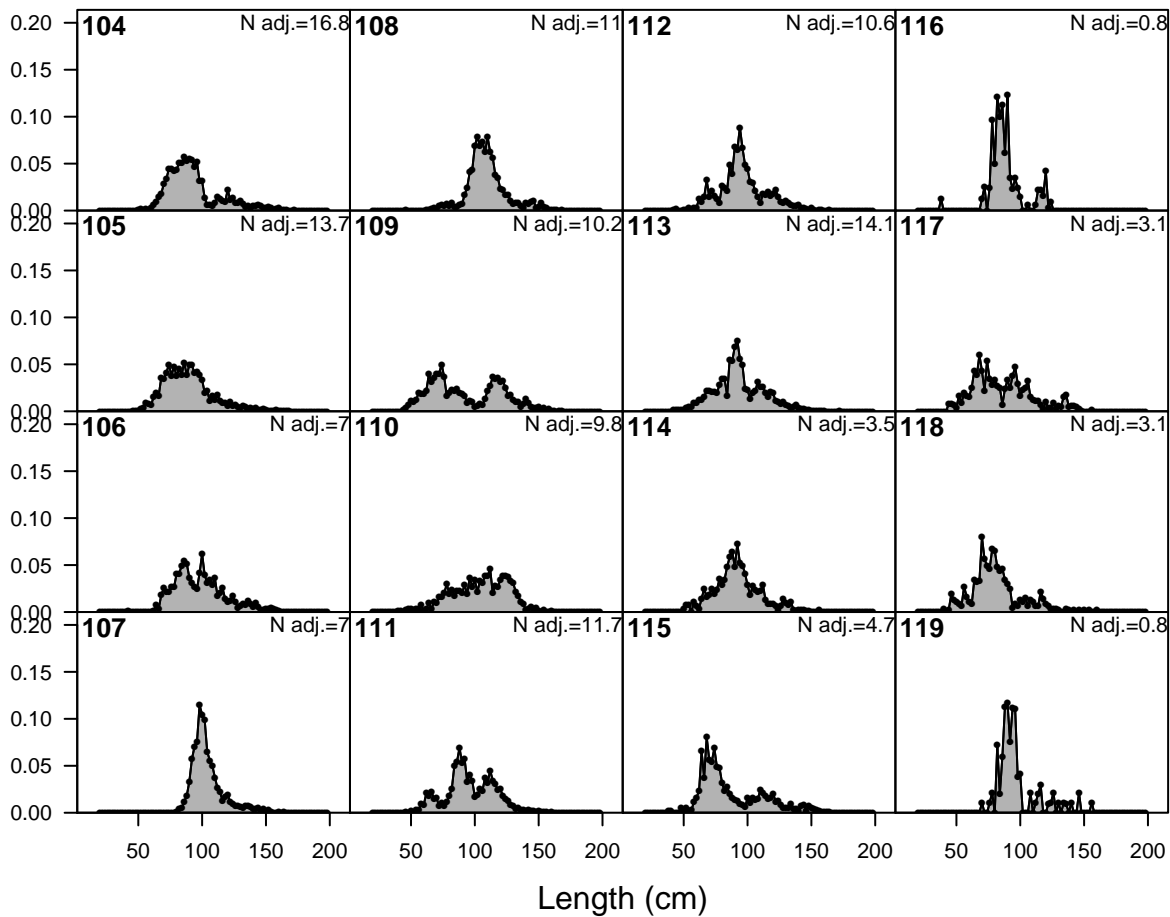
Proportion



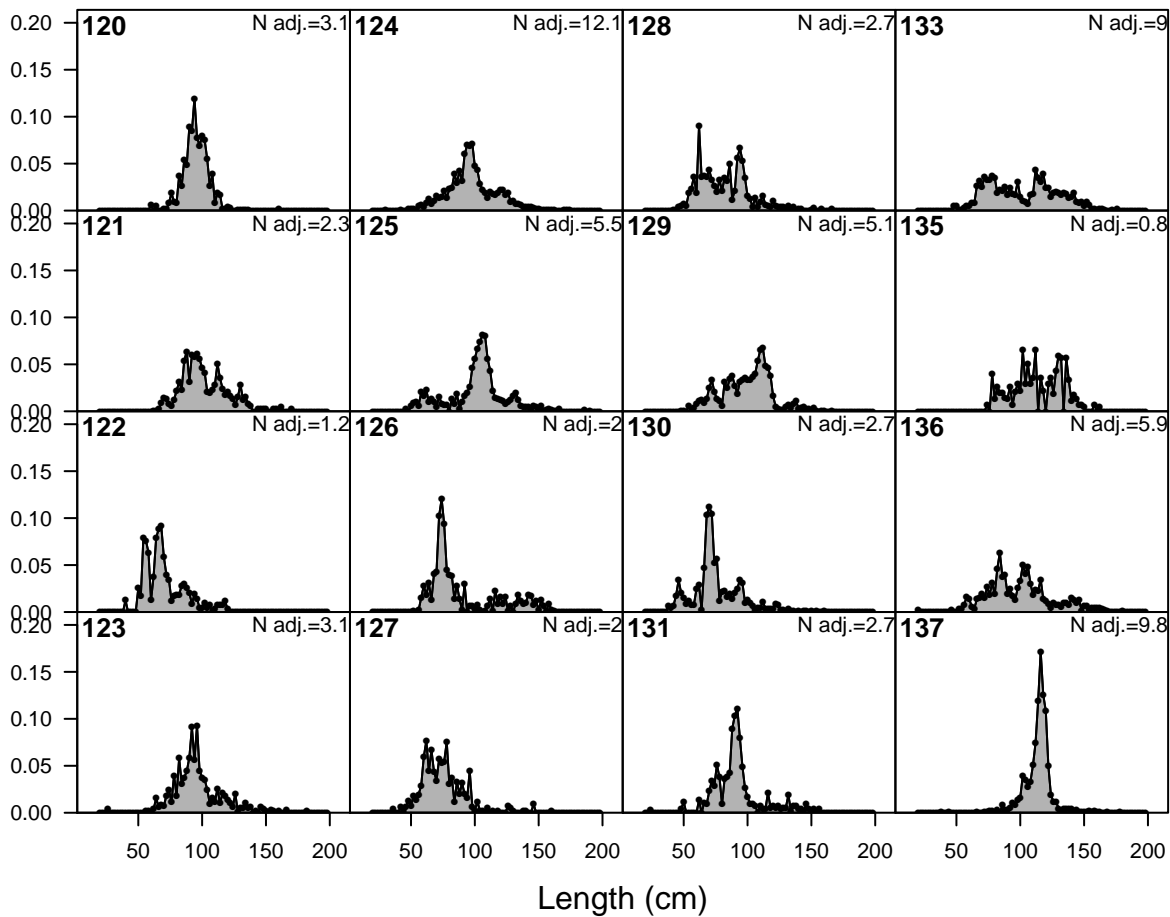
Proportion



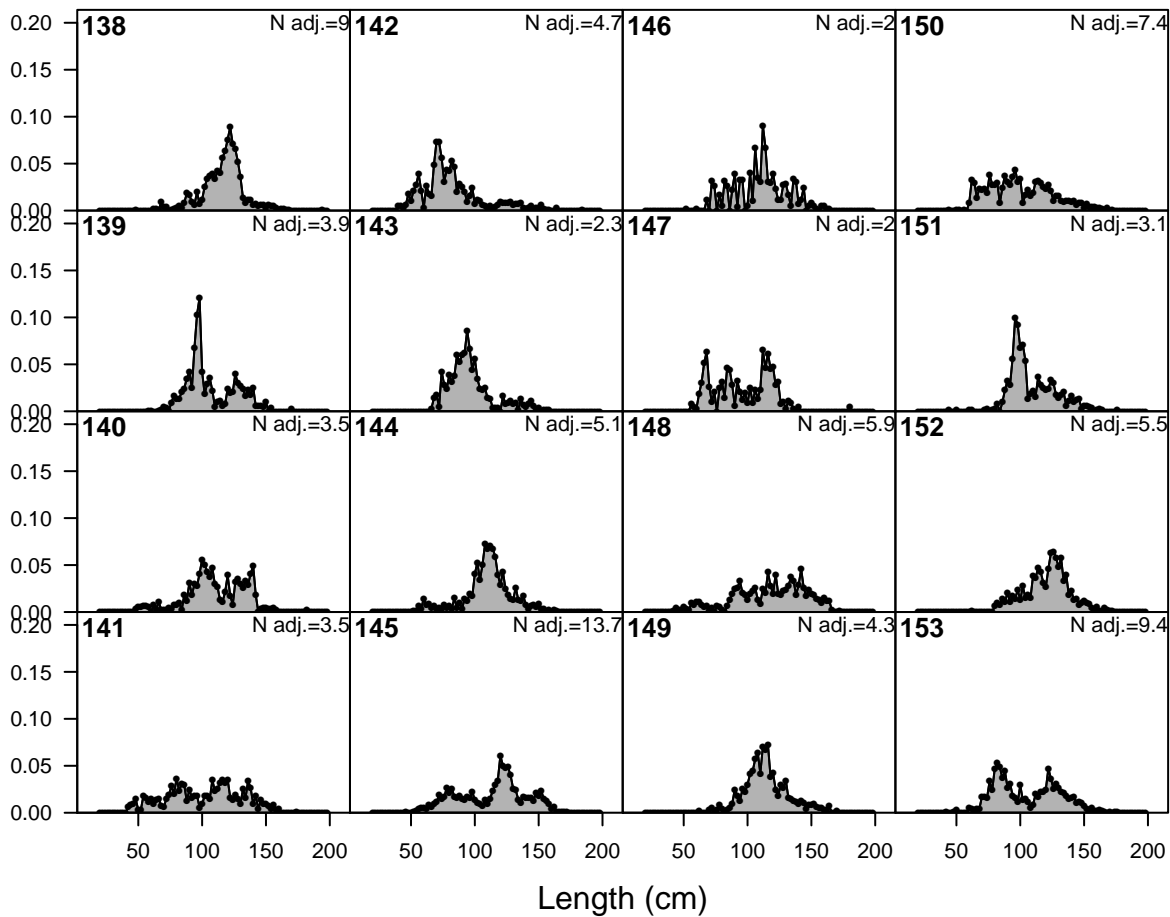
Proportion



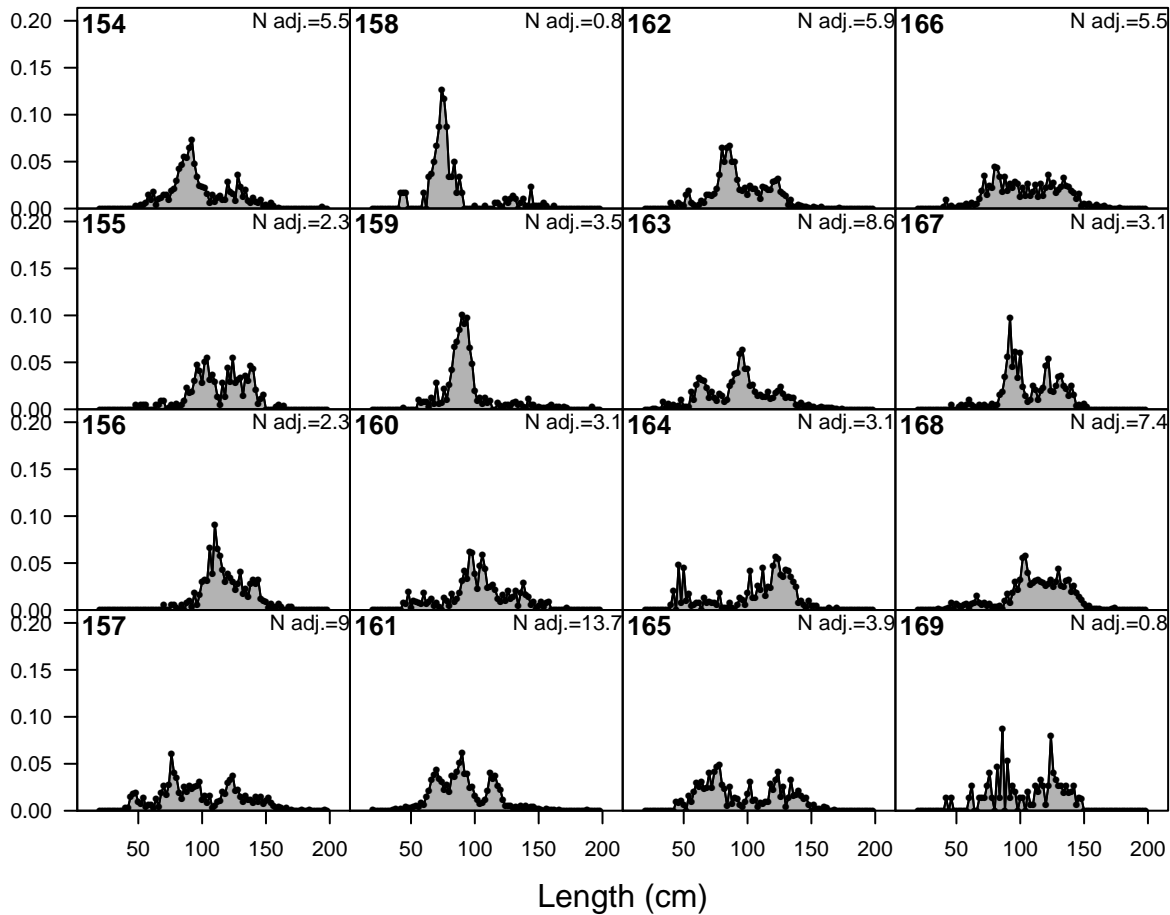
Proportion



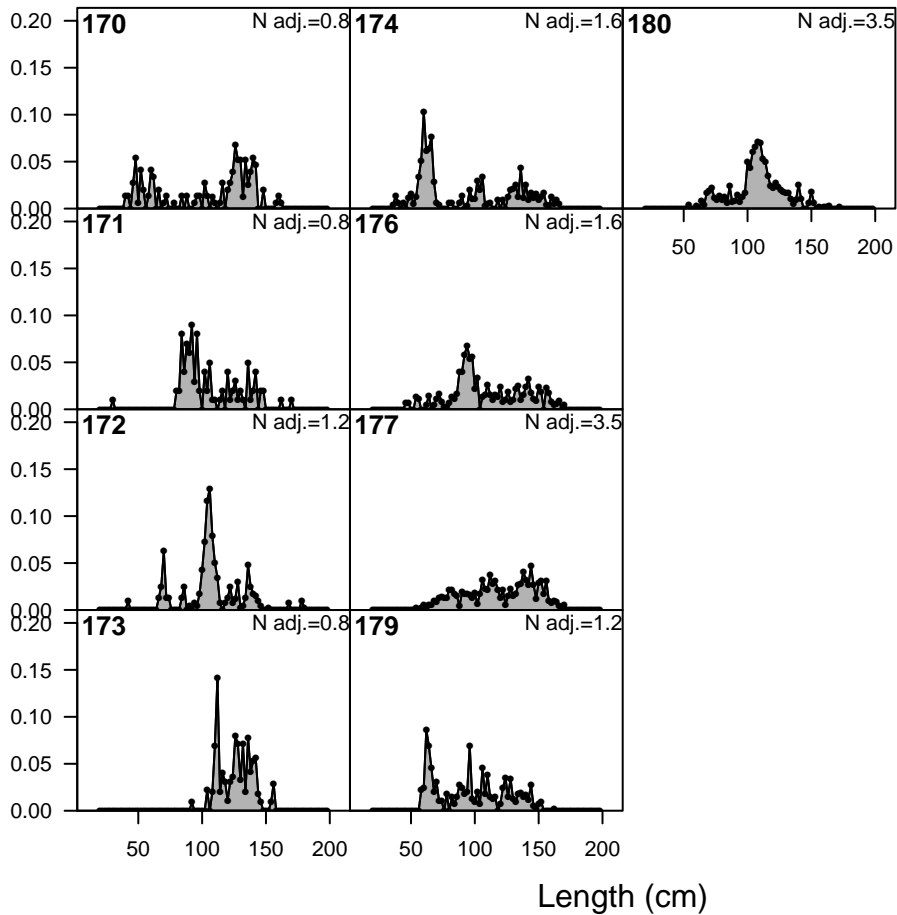
Proportion

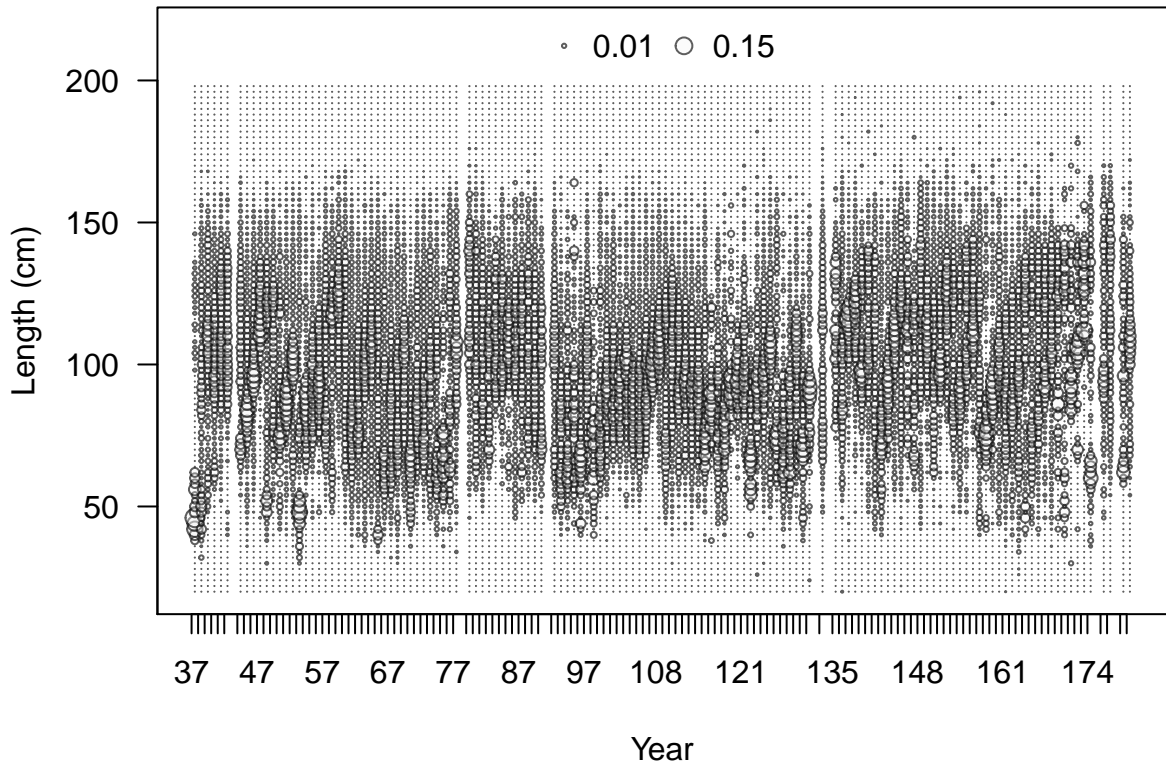


Proportion

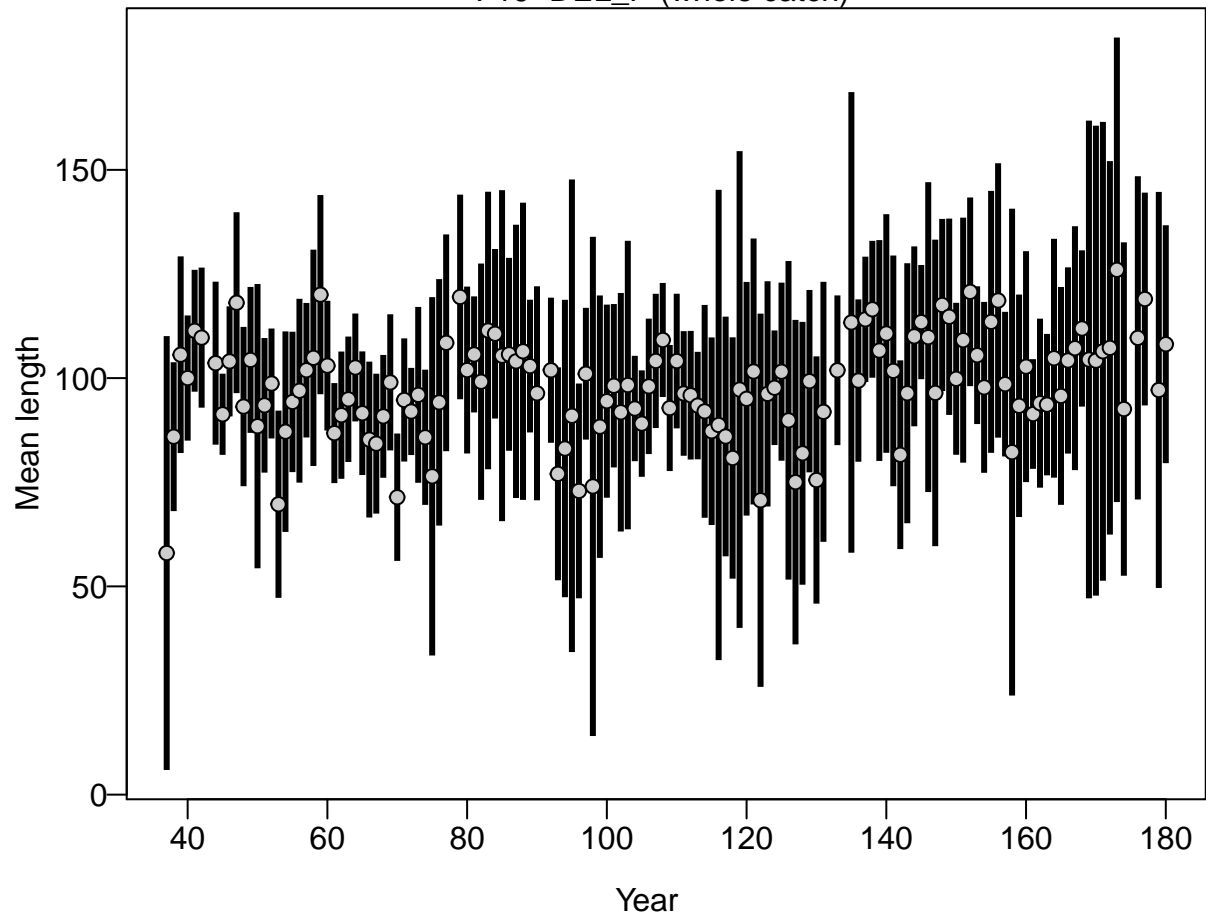


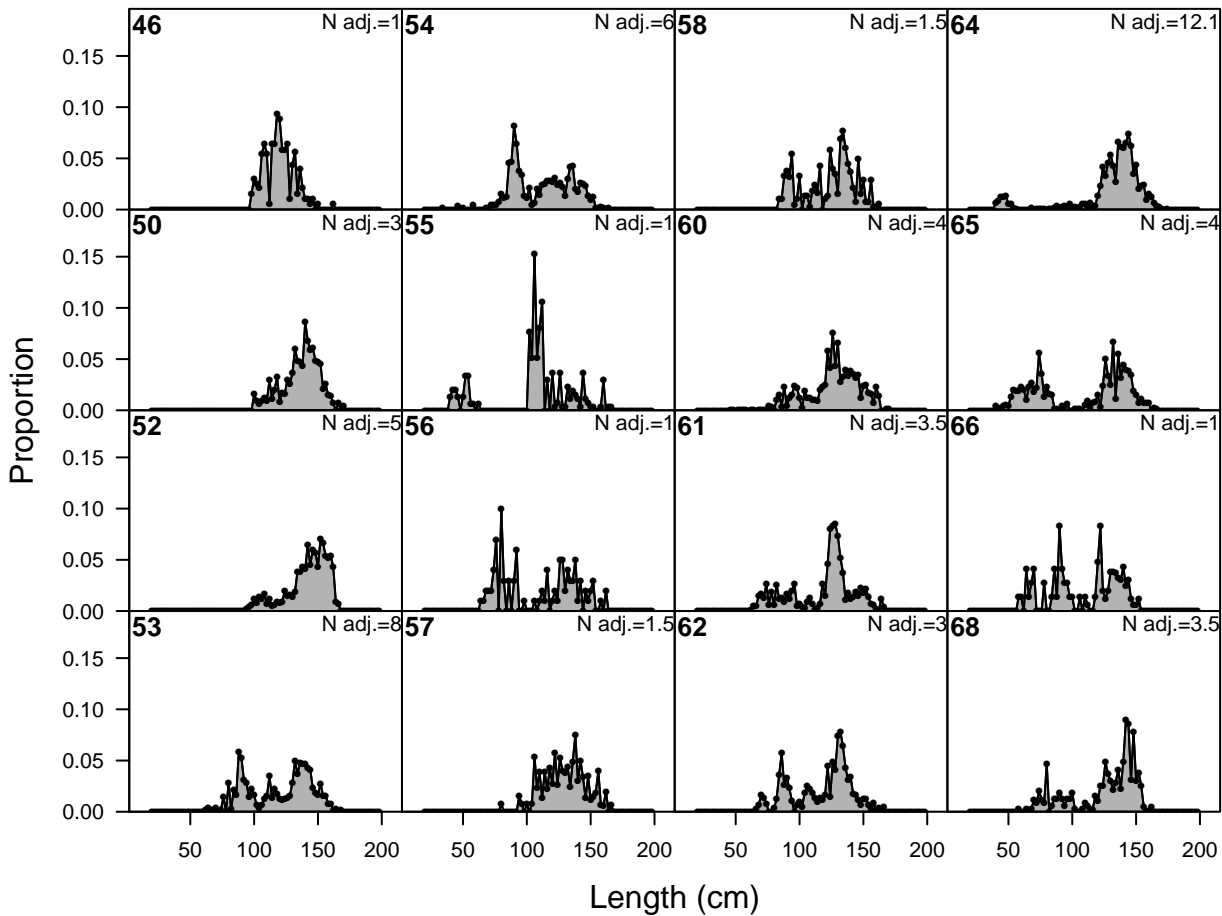
Proportion

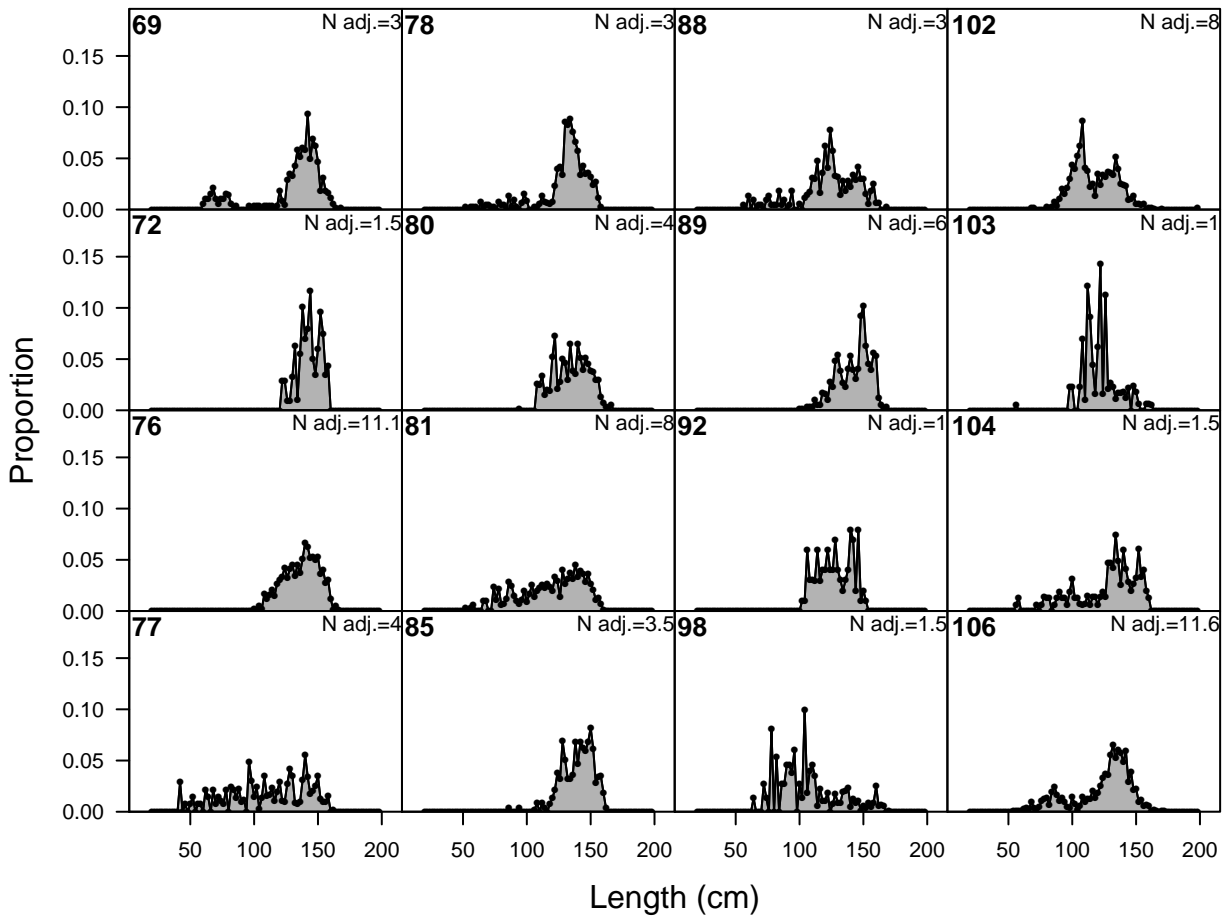




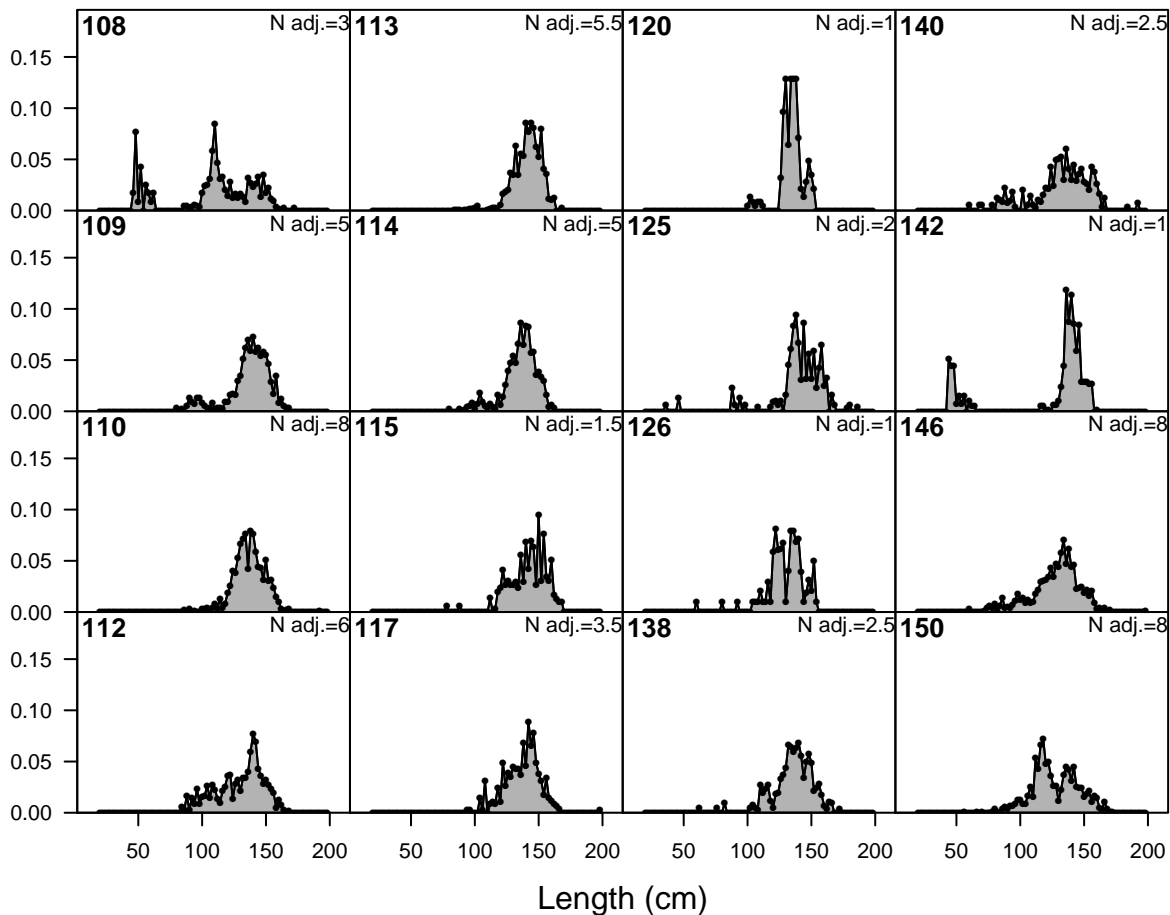
F19-DEL_P (whole catch)



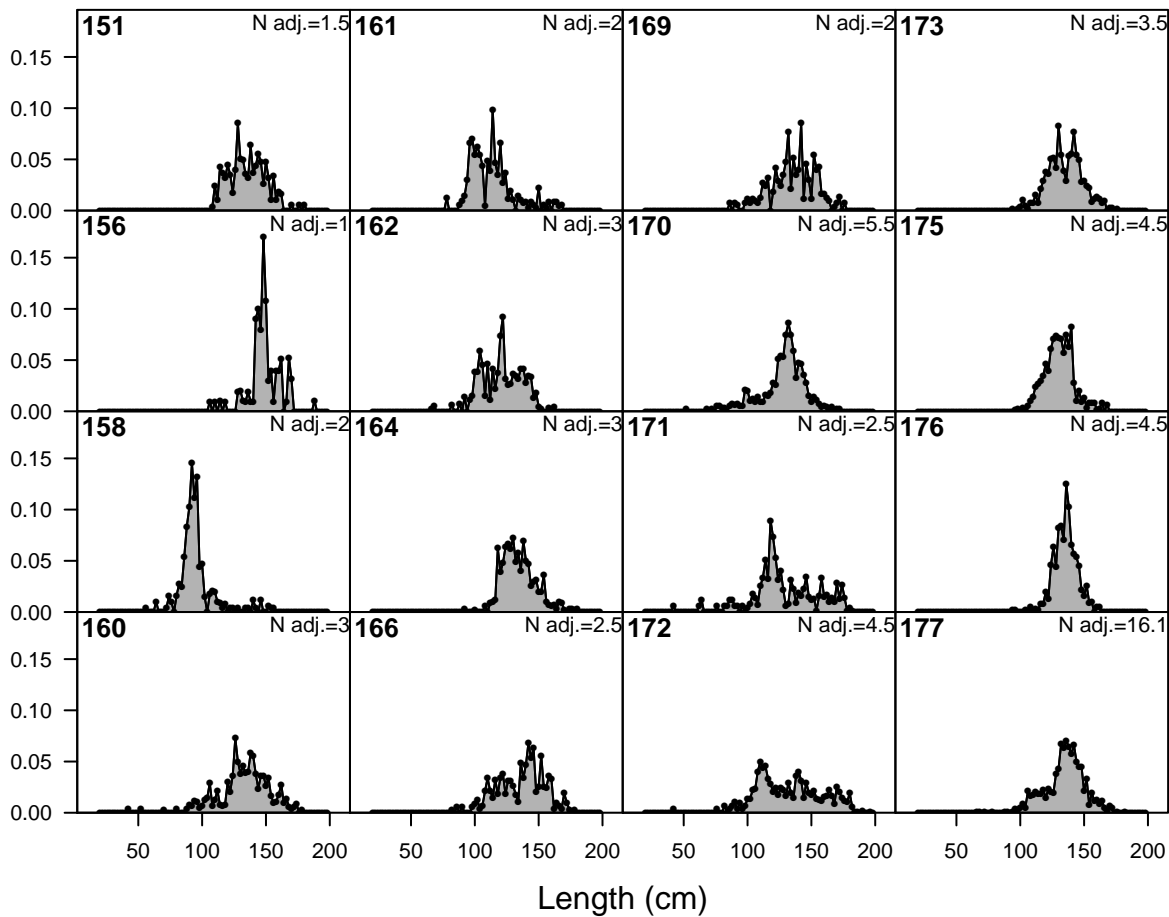


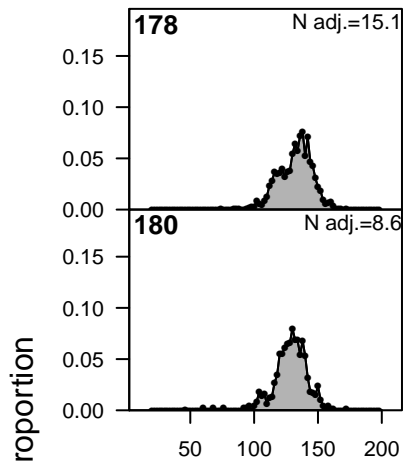


Proportion

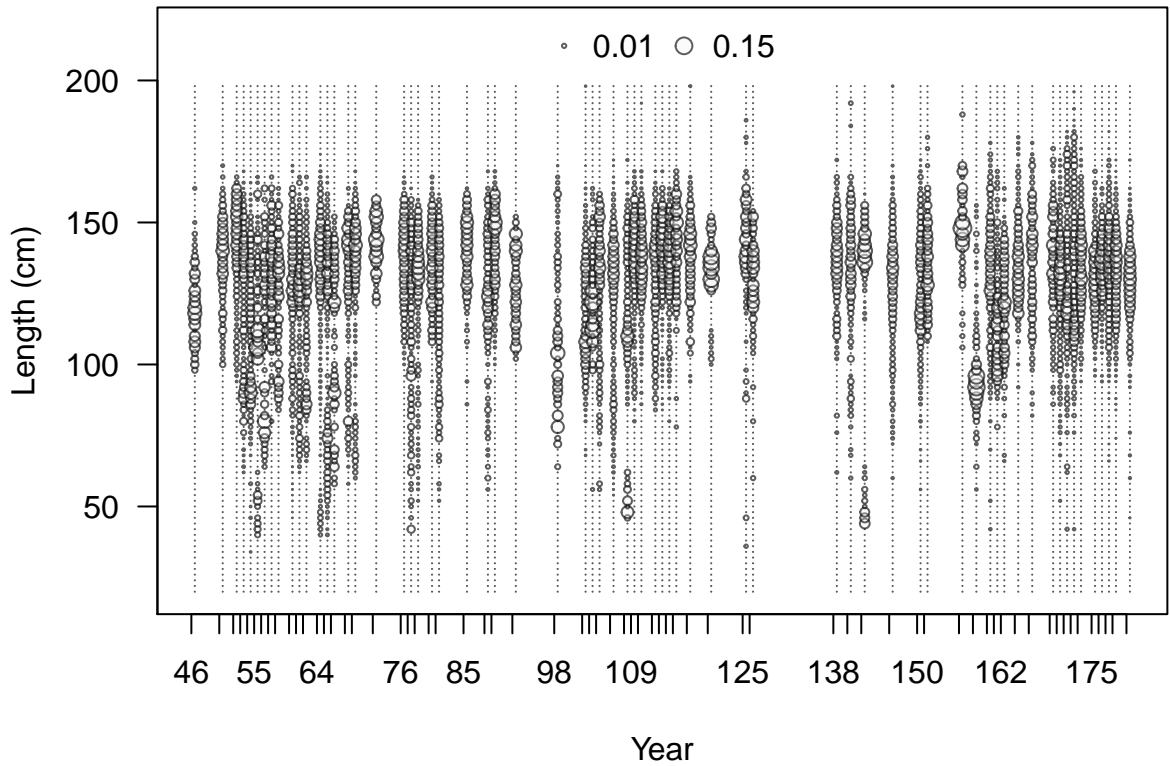


Proportion

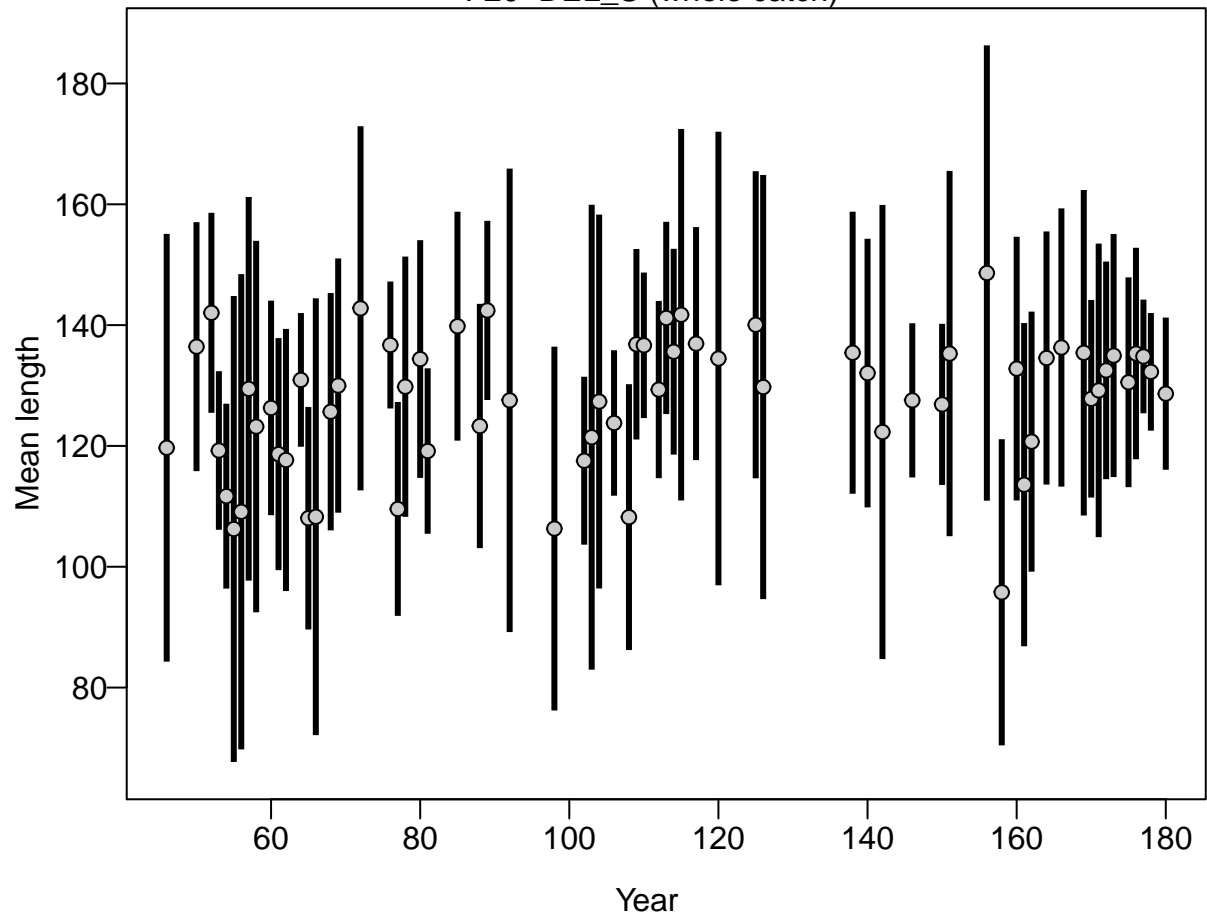


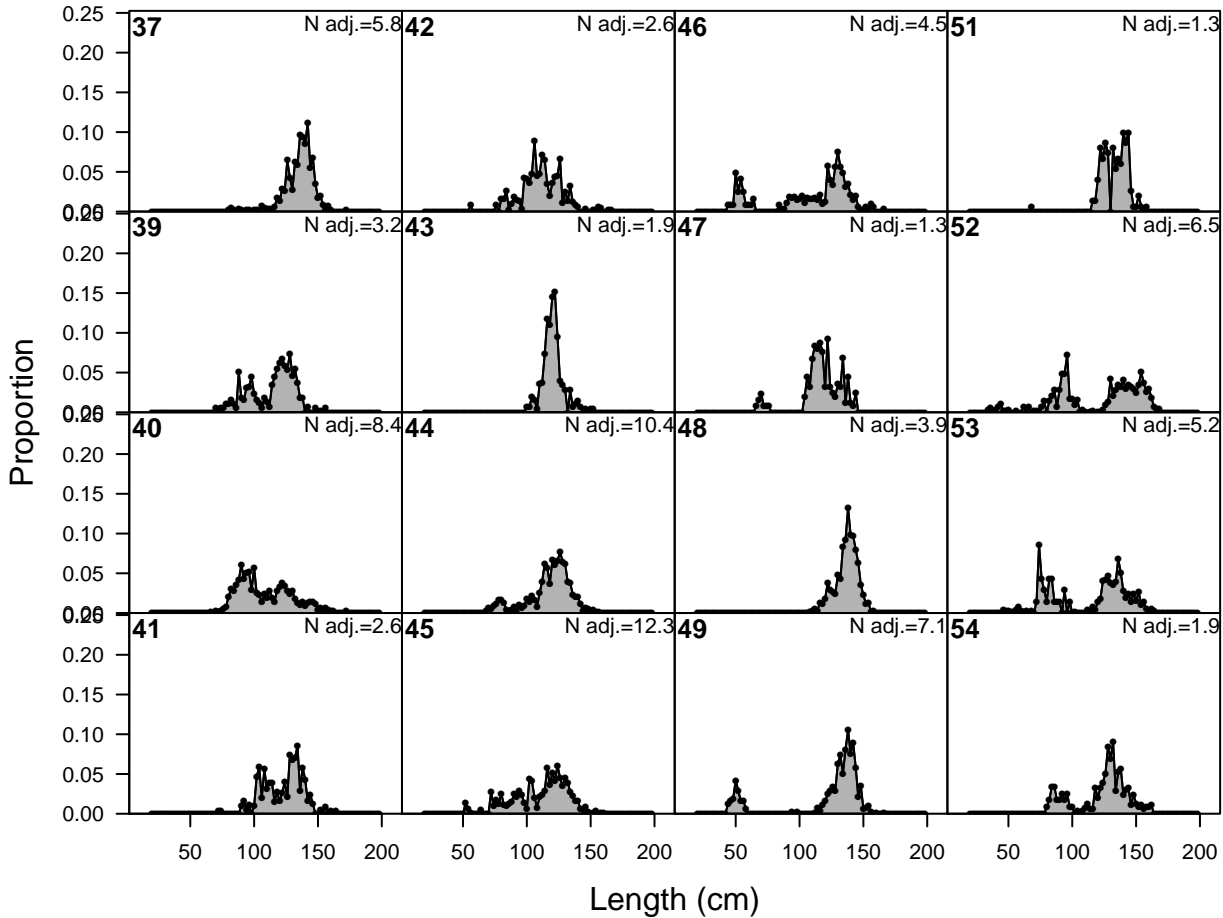


Length (cm)

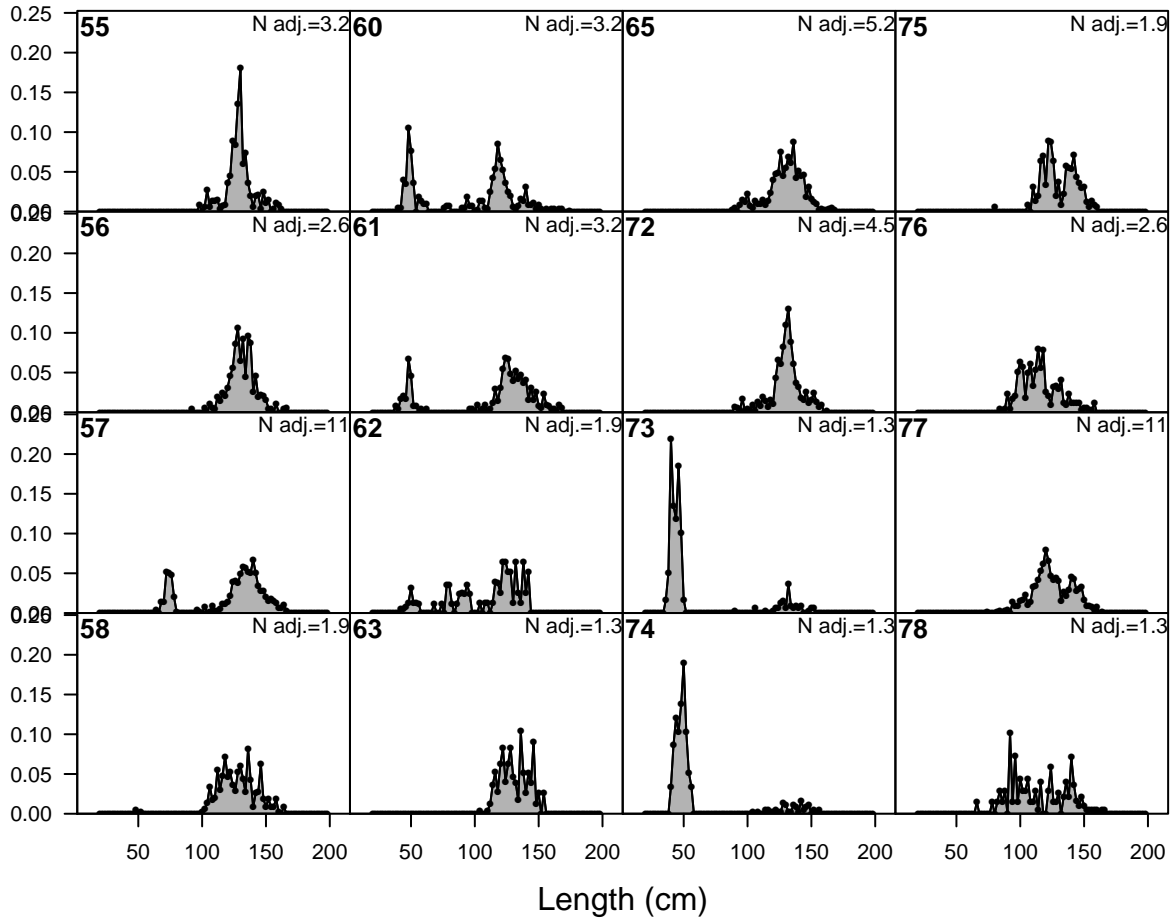


F20-DEL_S (whole catch)

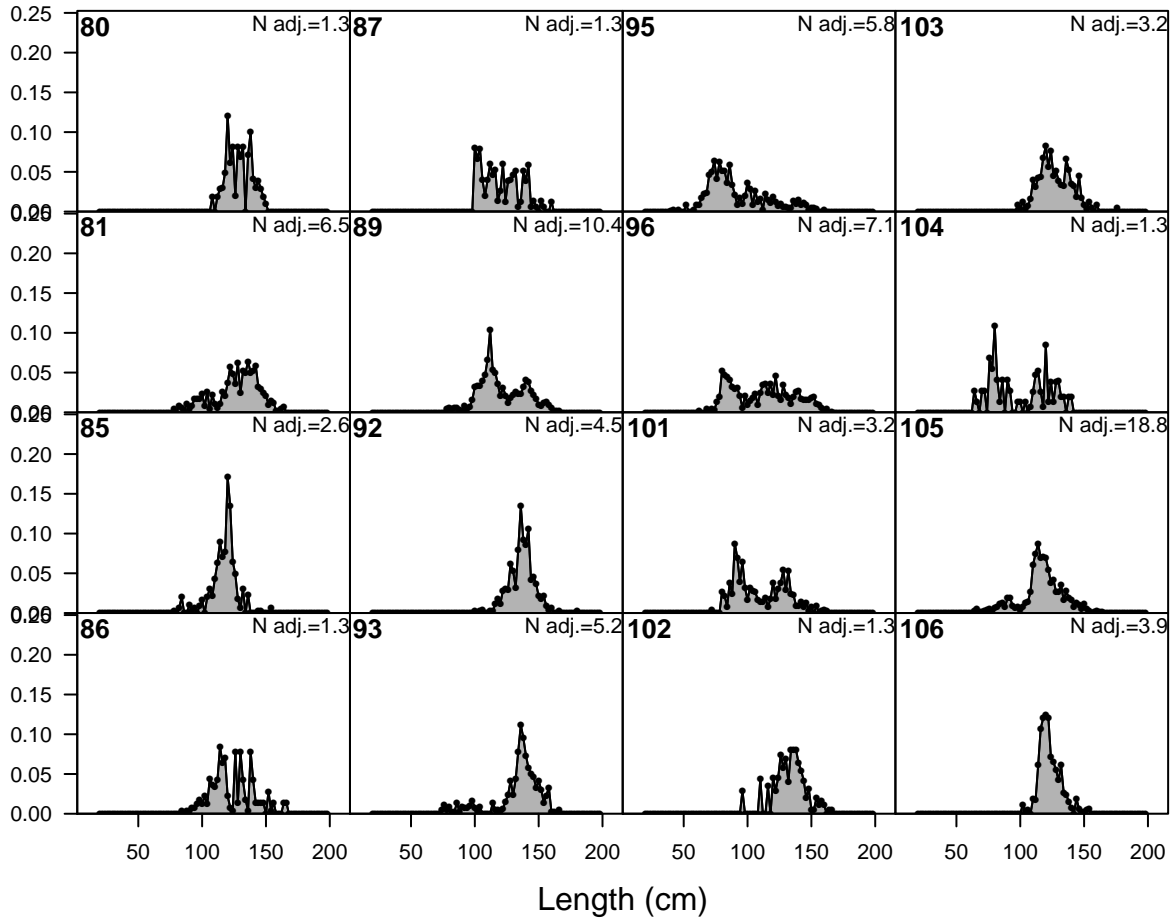




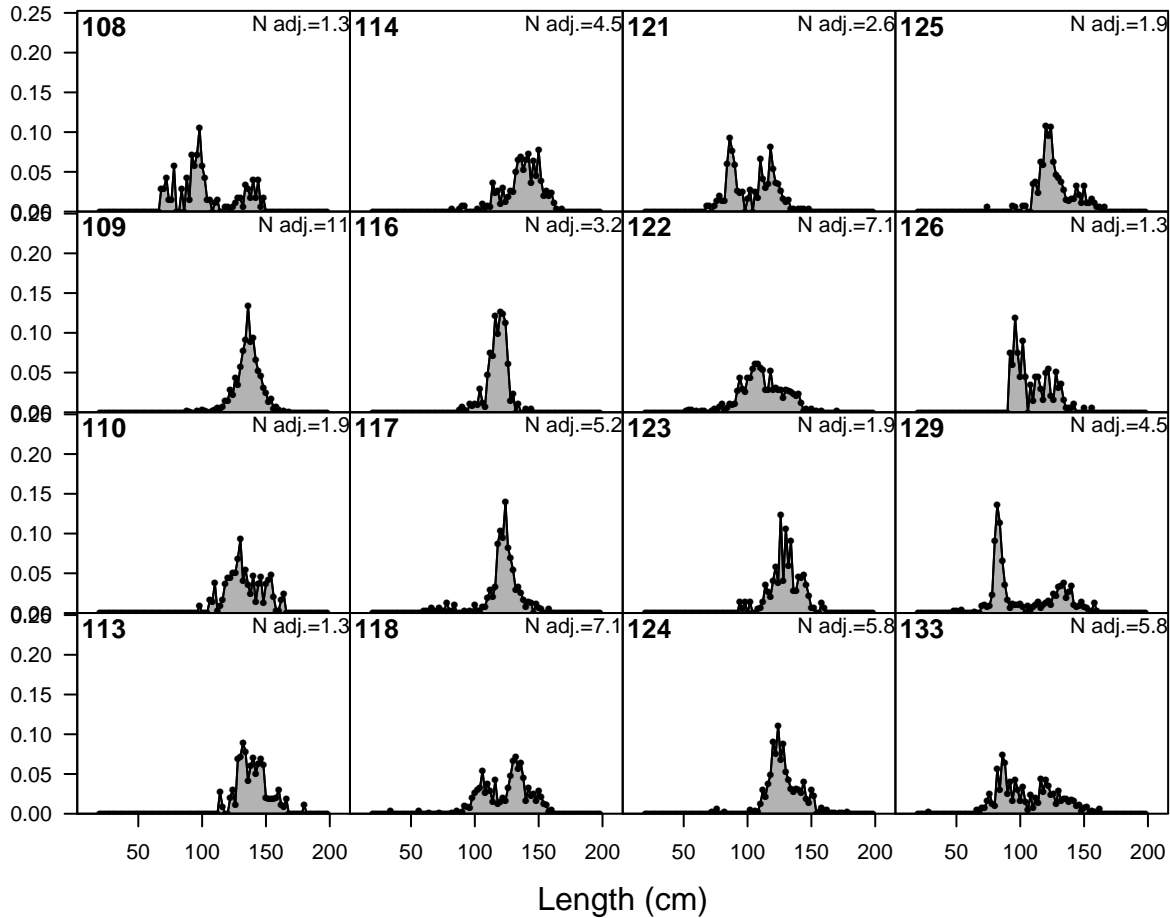
Proportion



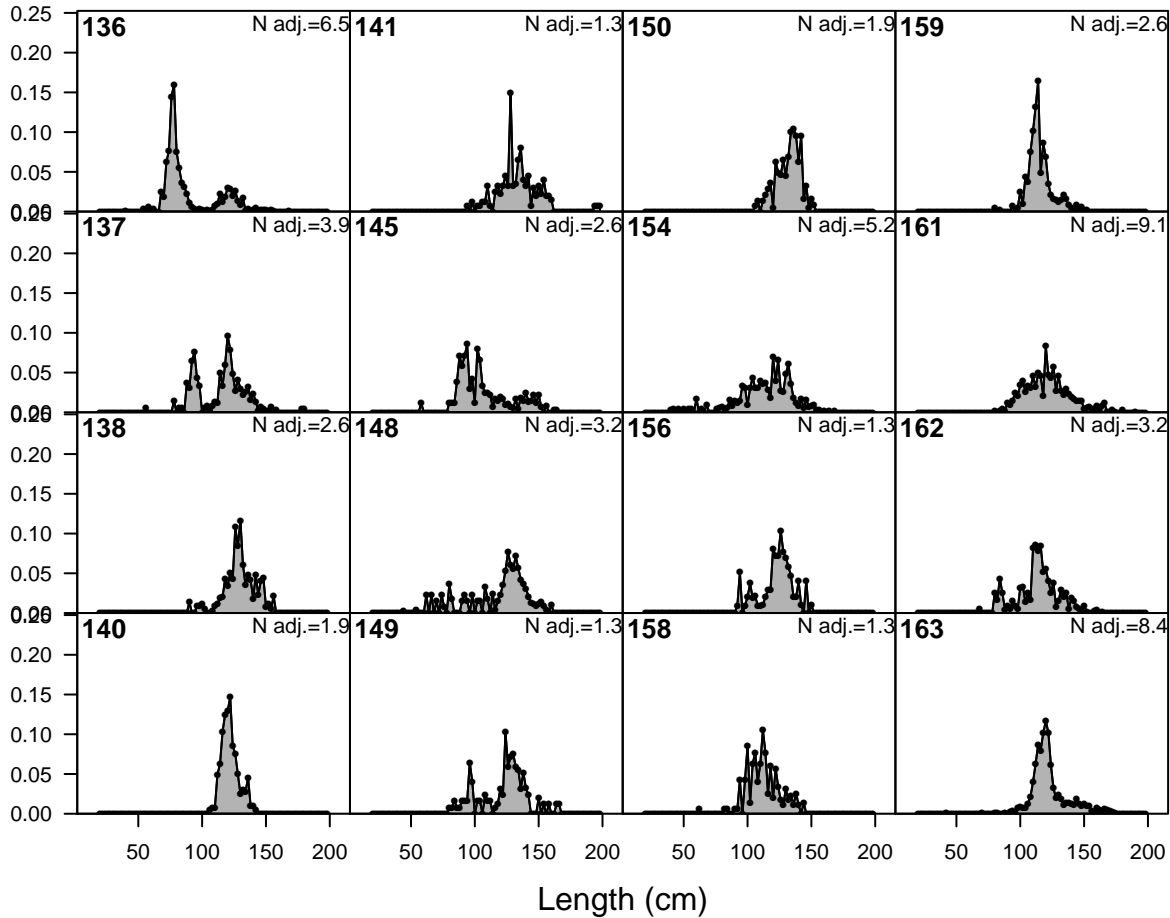
Proportion



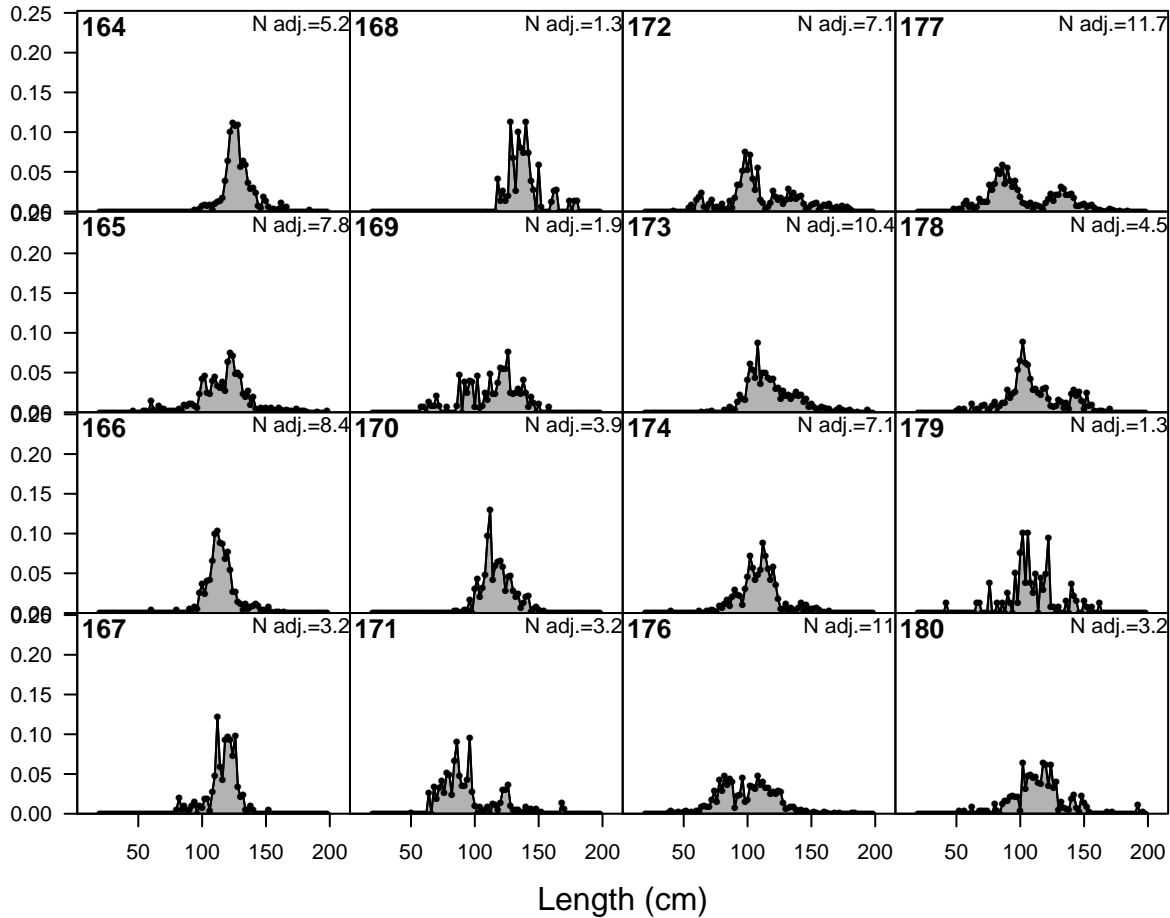
Proportion

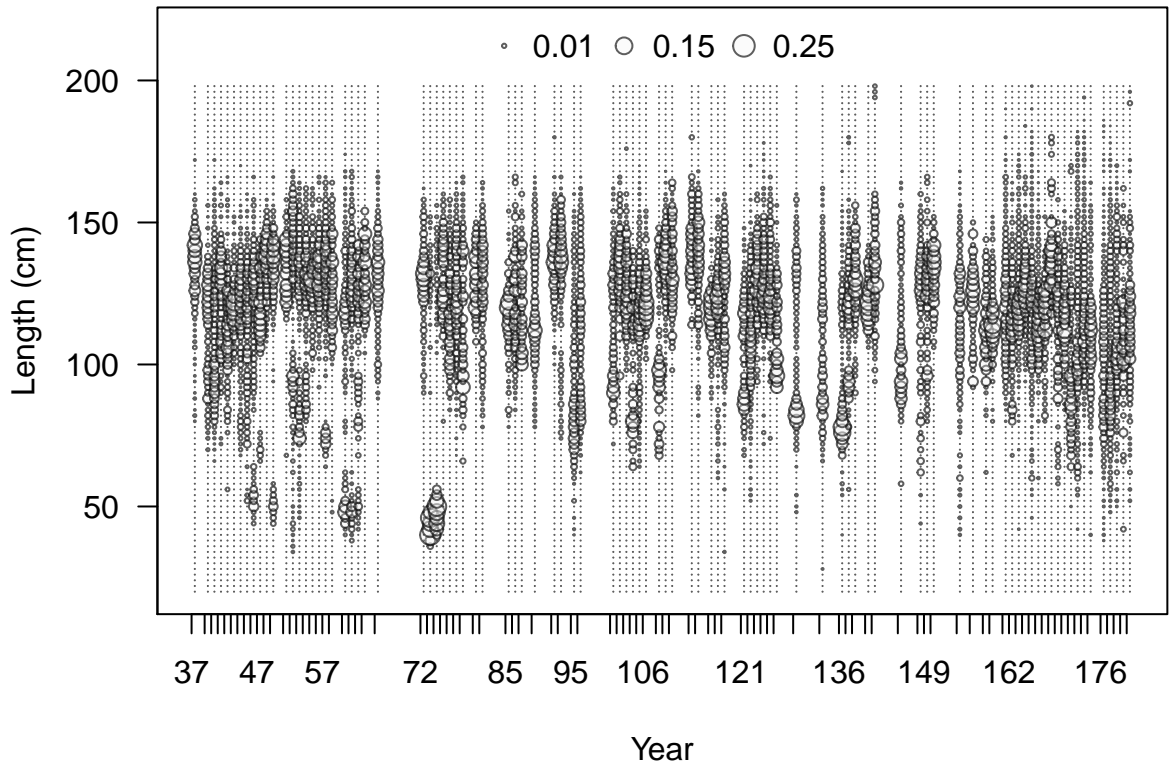


Proportion

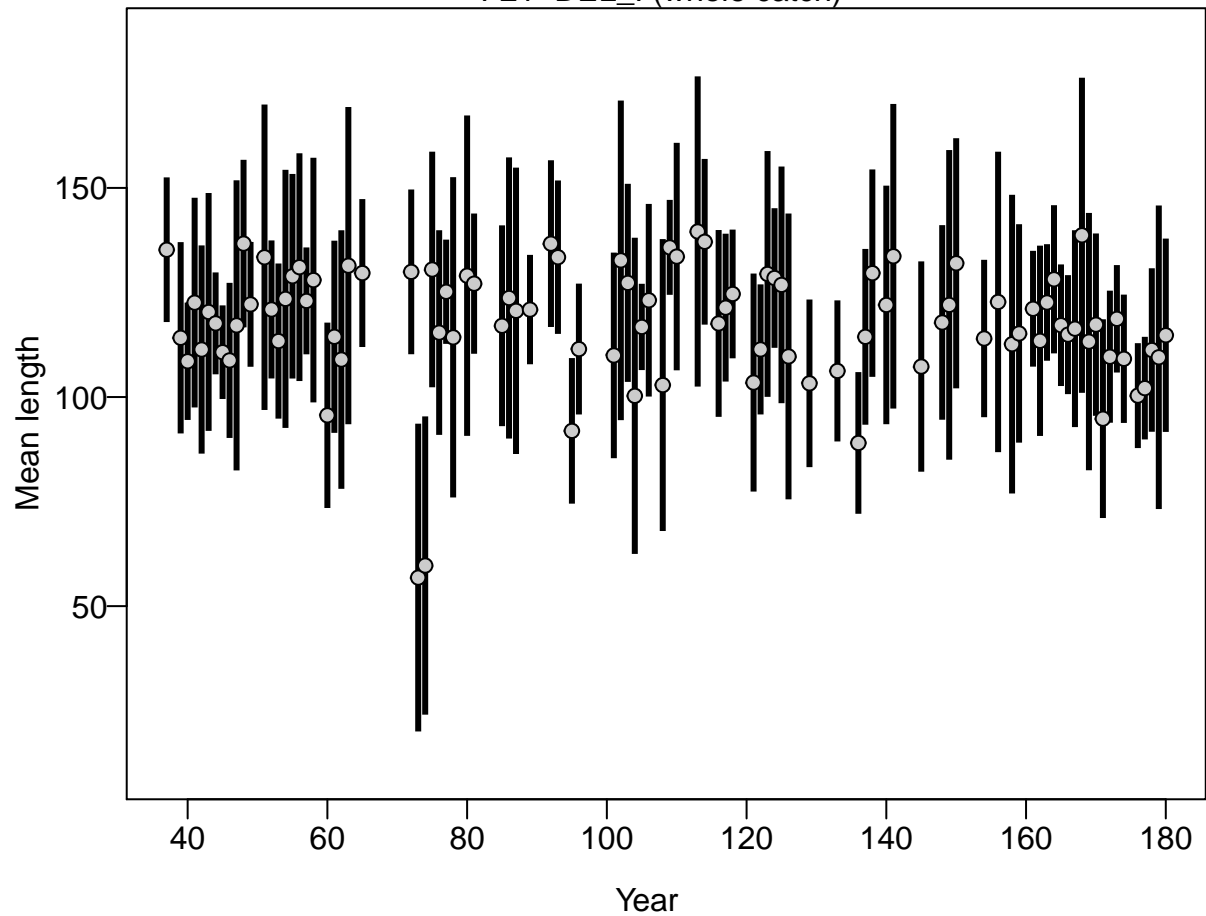


Proportion

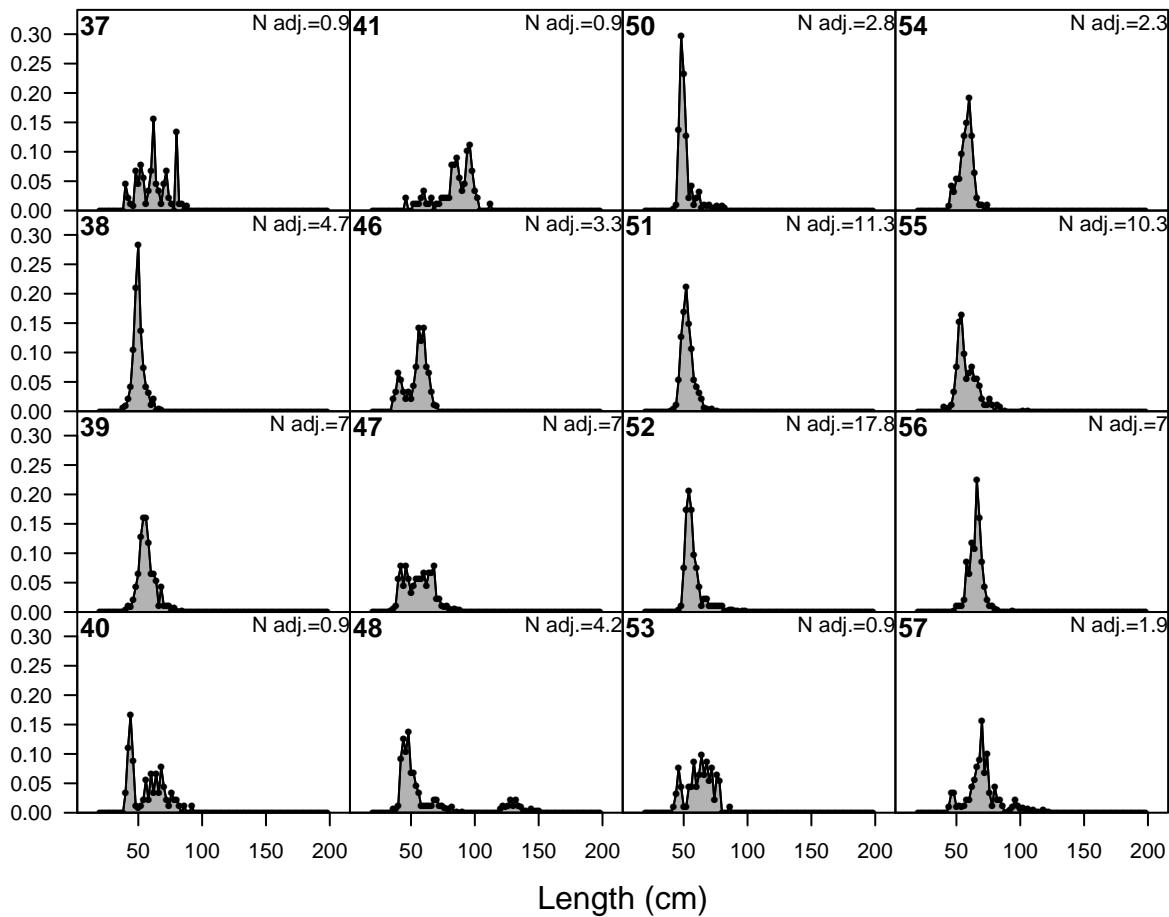




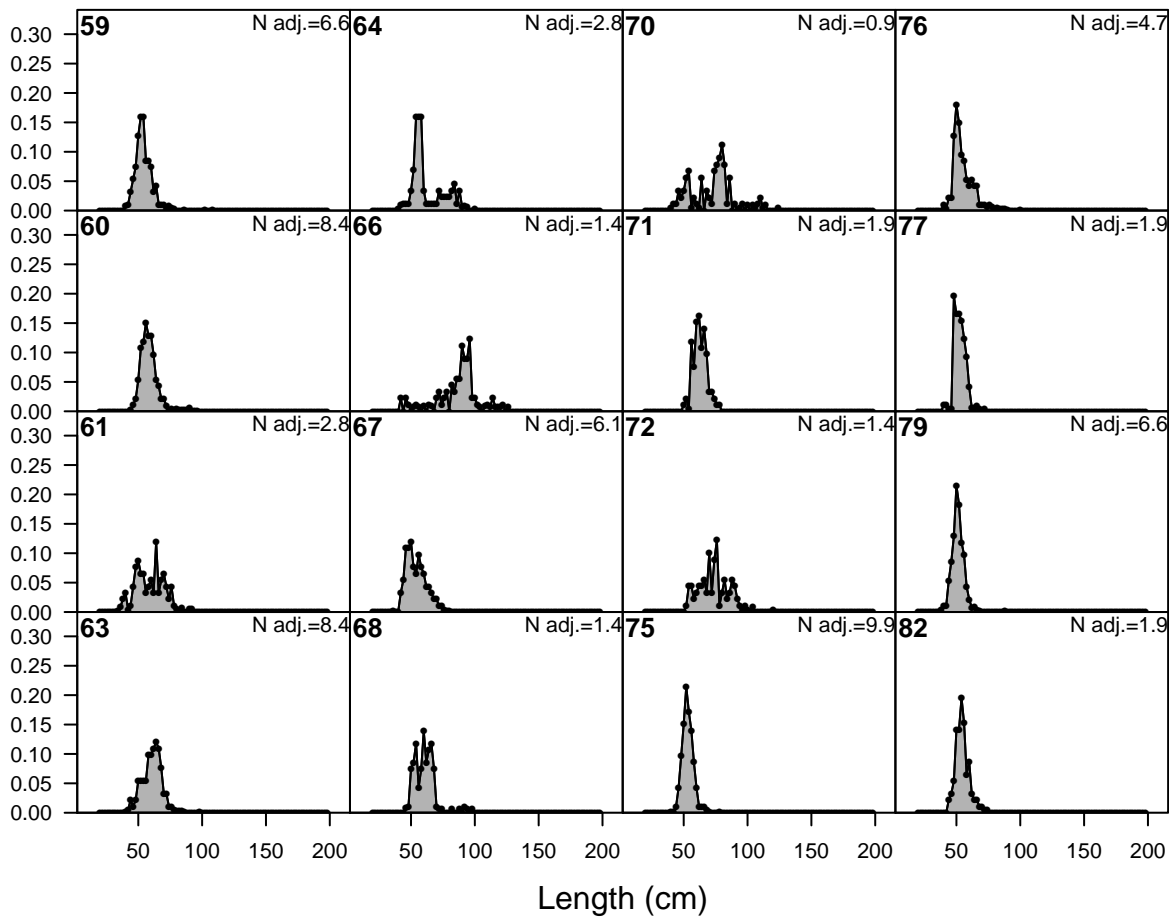
F21-DEL_I (whole catch)



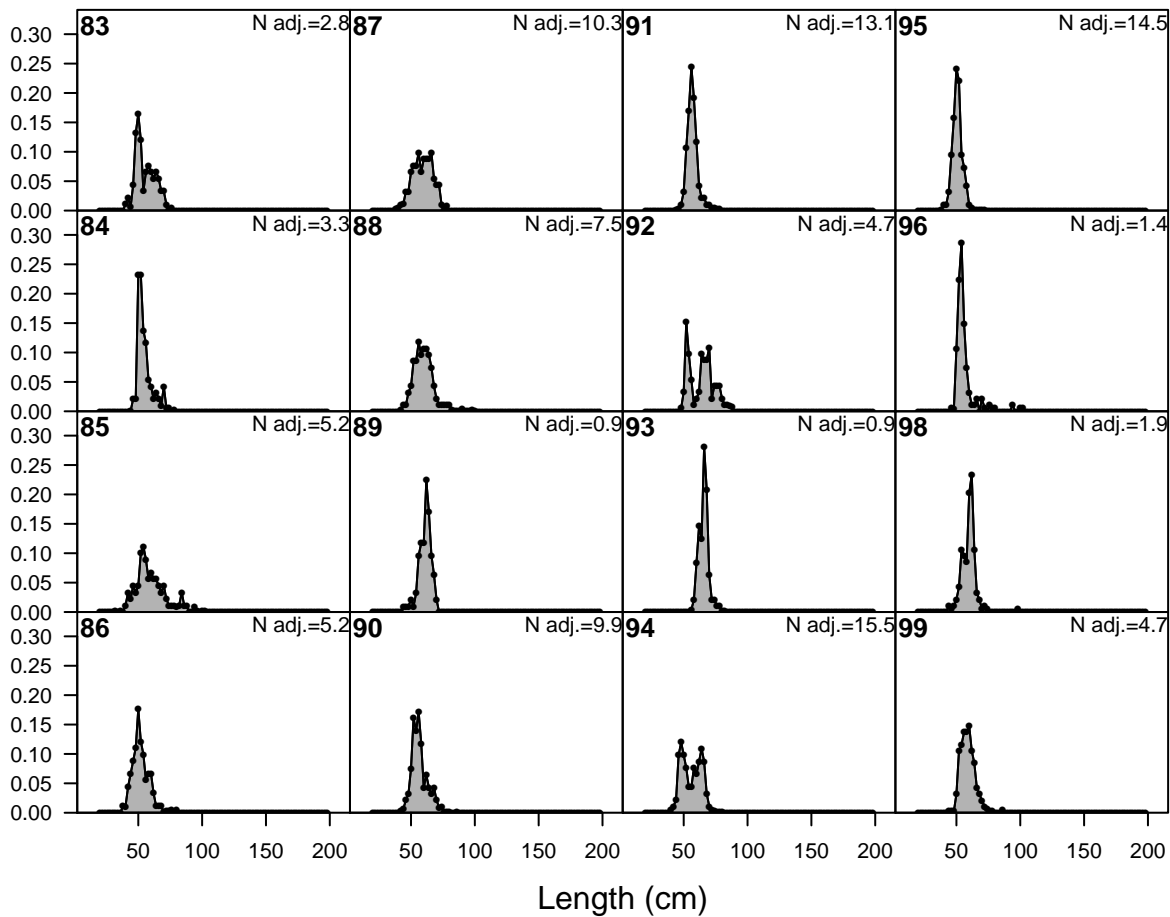
Proportion

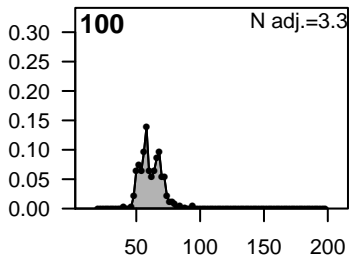


Proportion



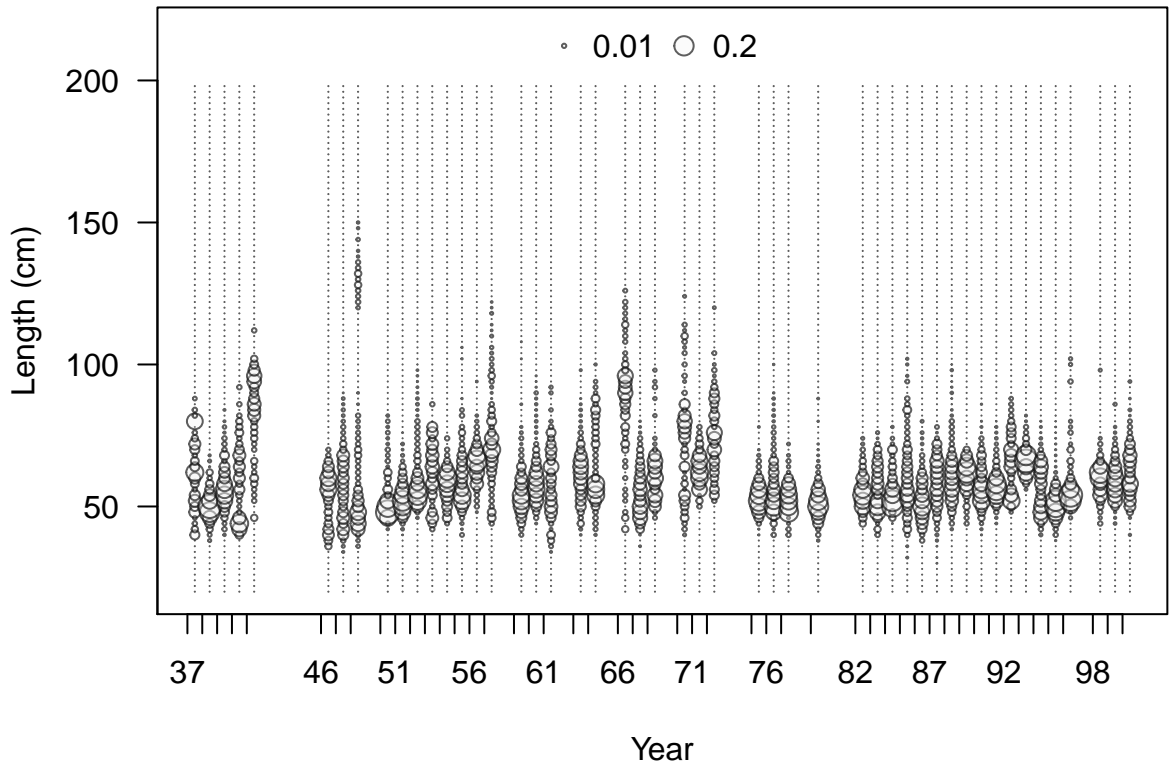
Proportion



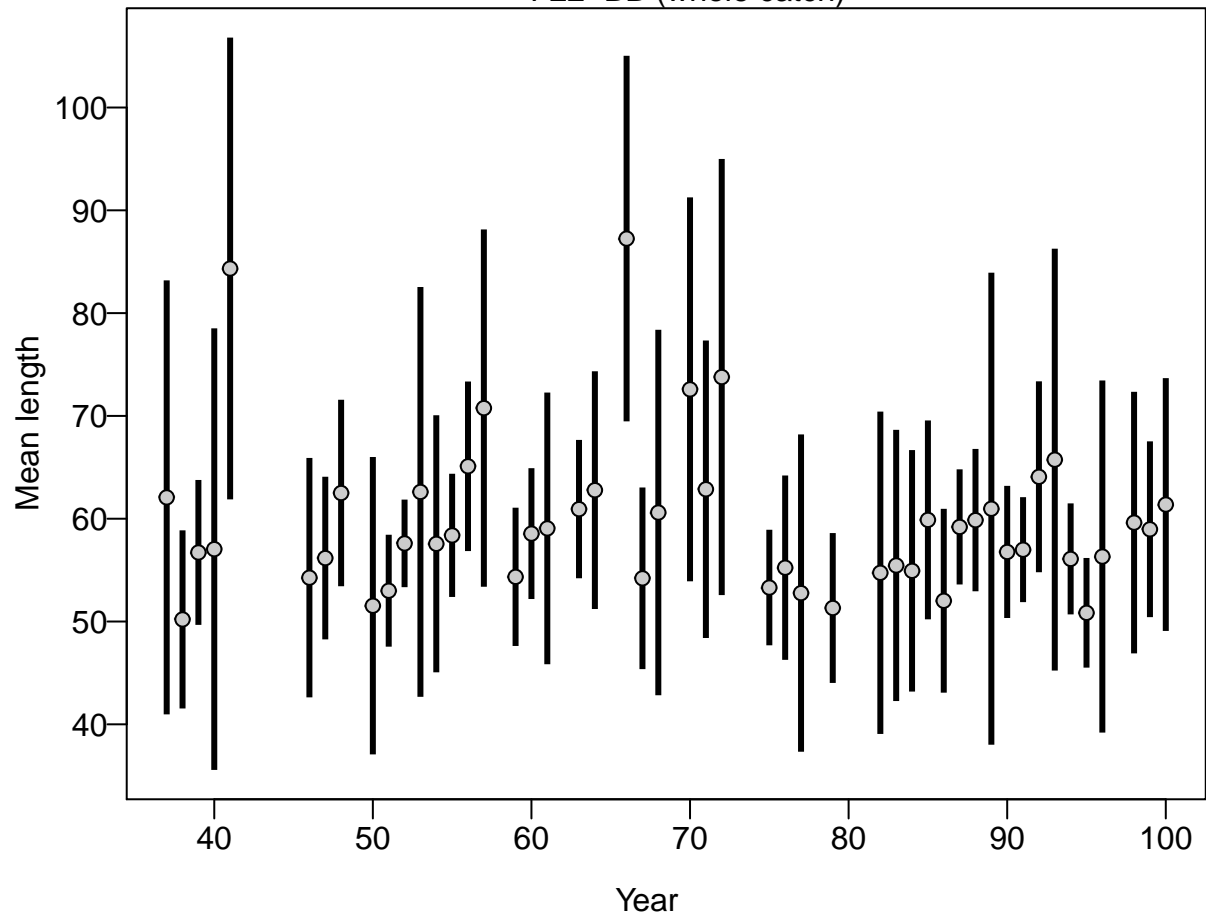


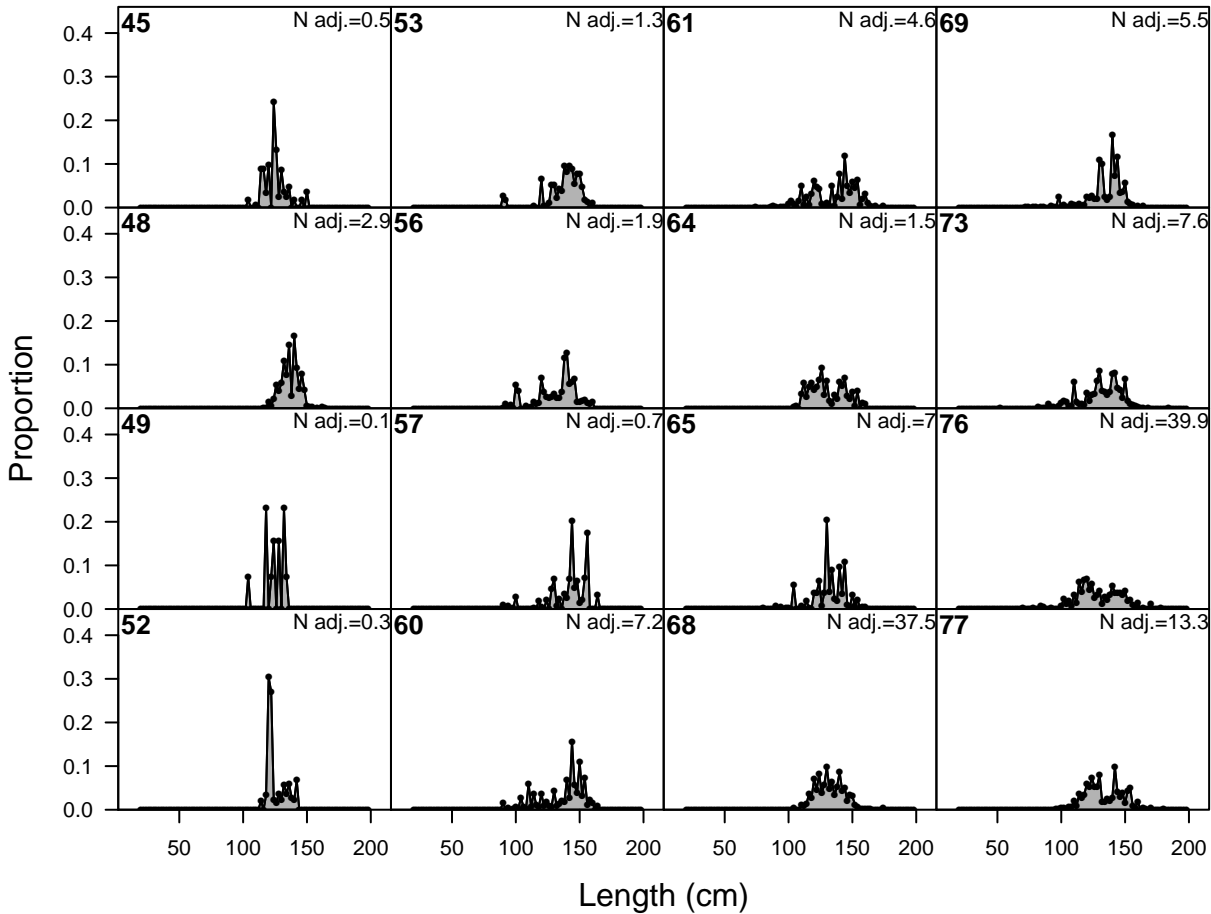
Proportion

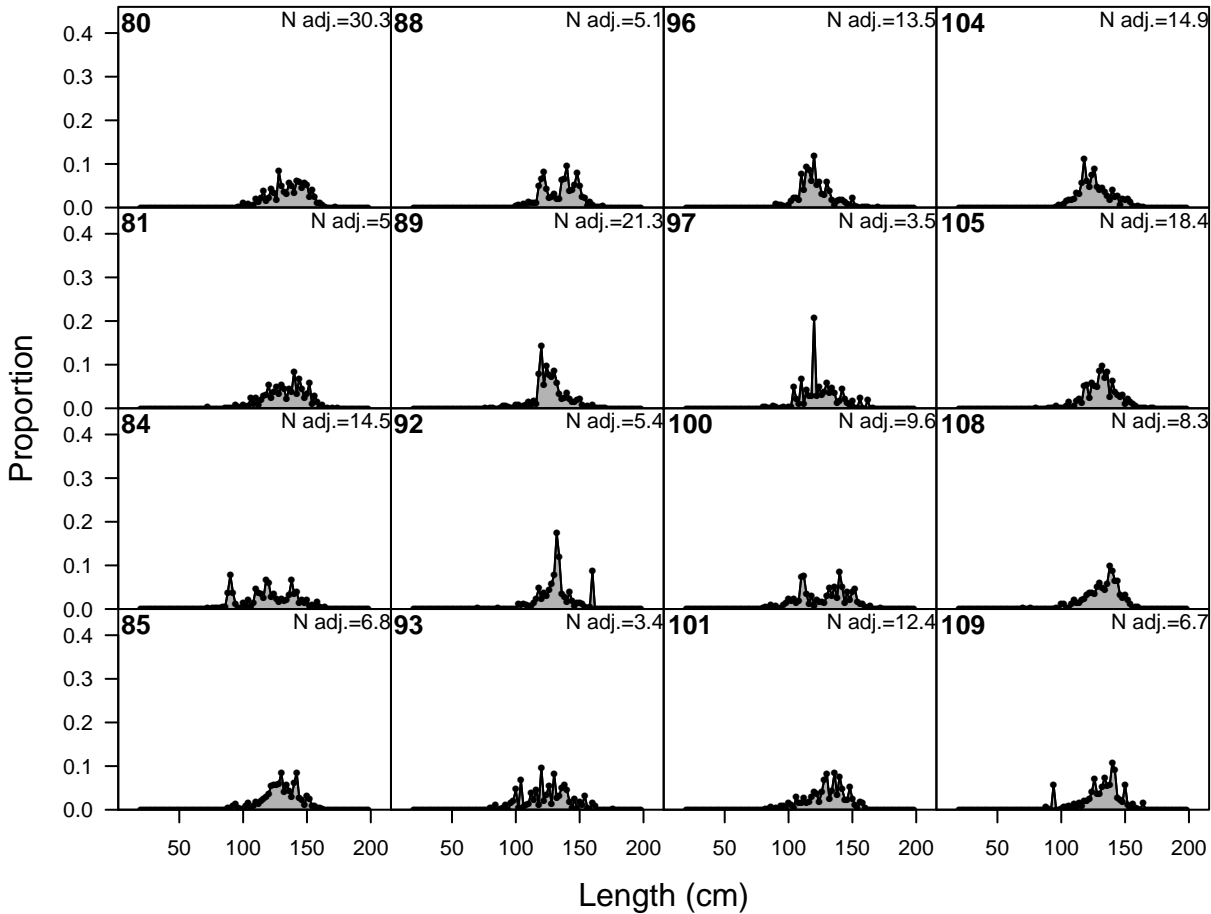
Length (cm)

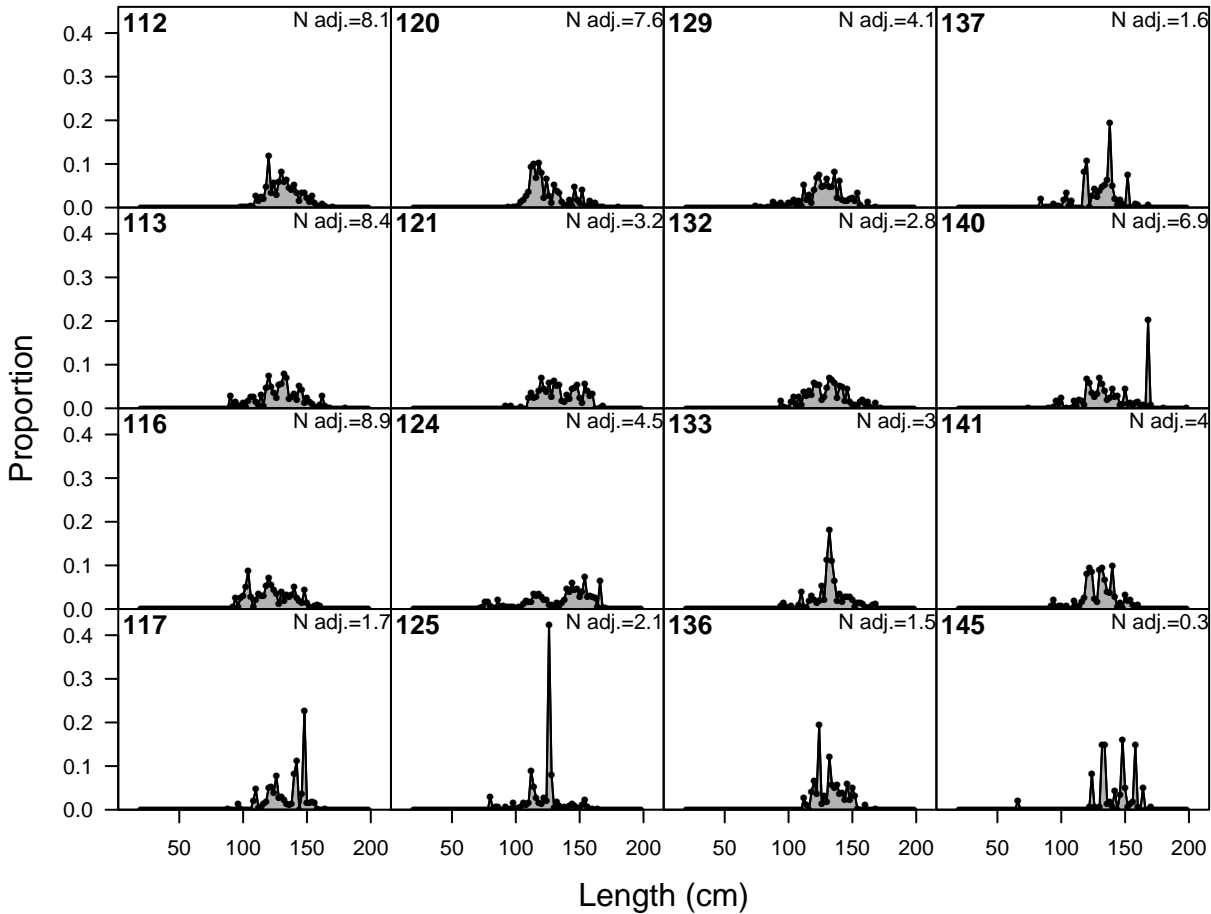


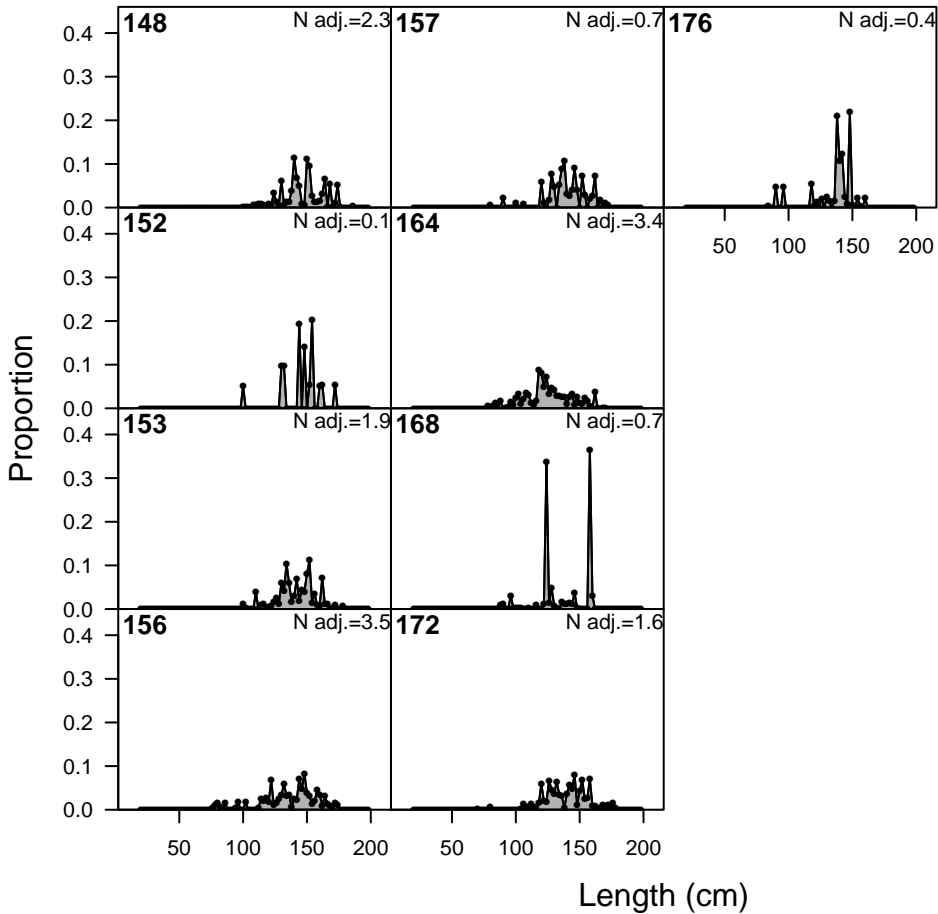
F22-BB (whole catch)

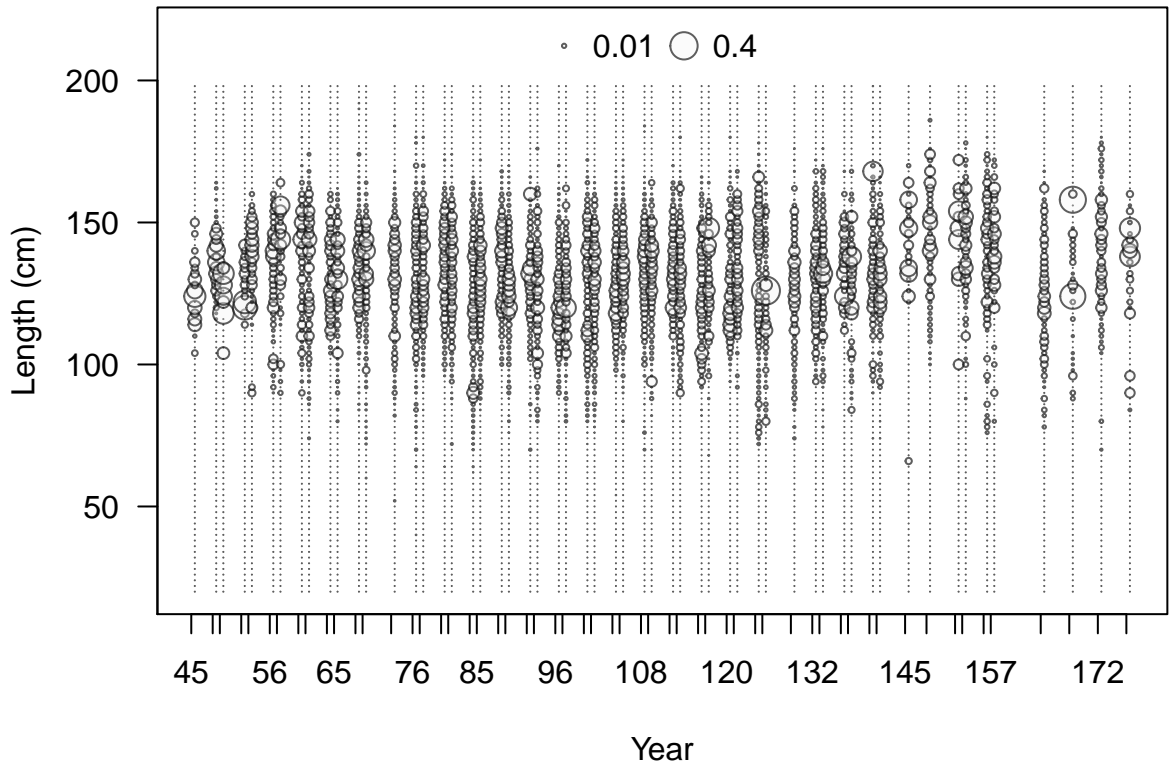




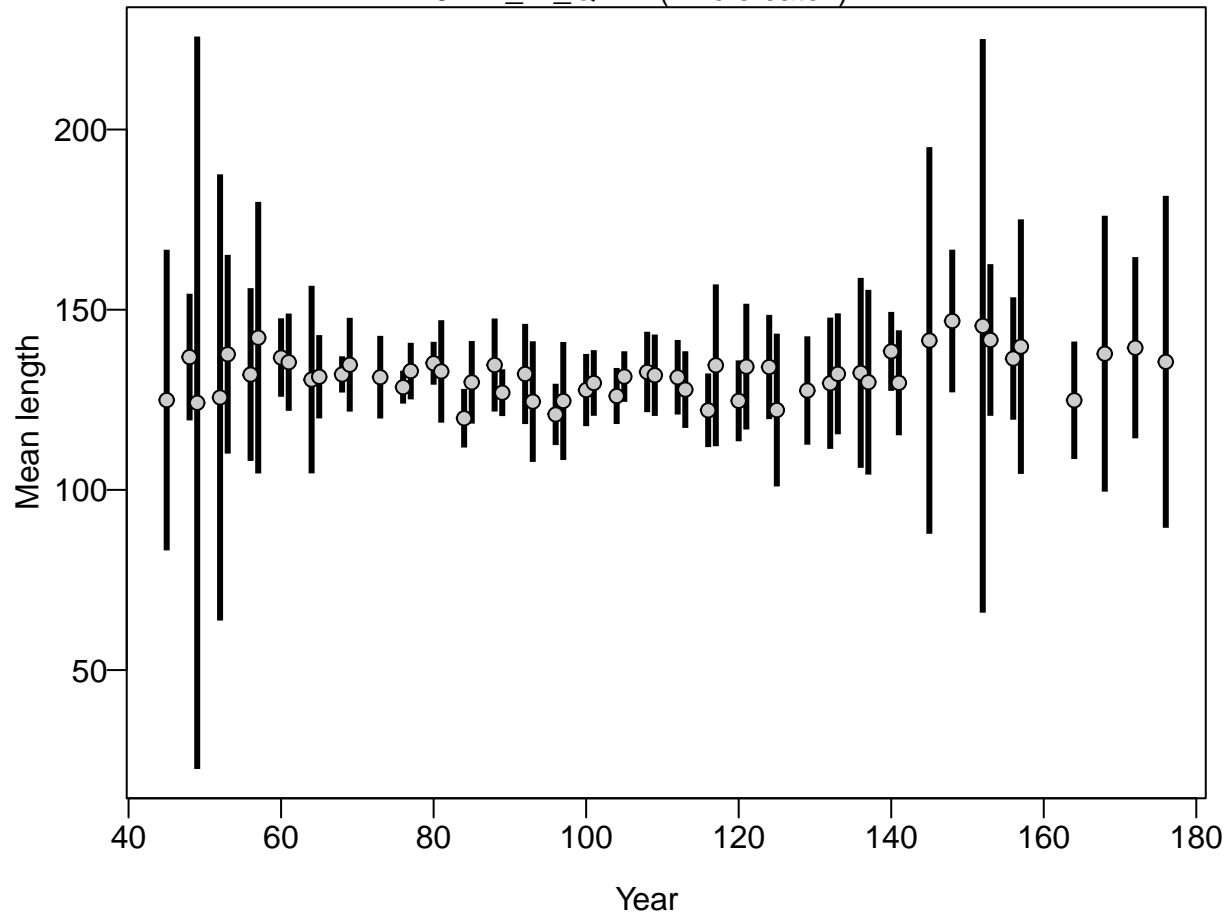




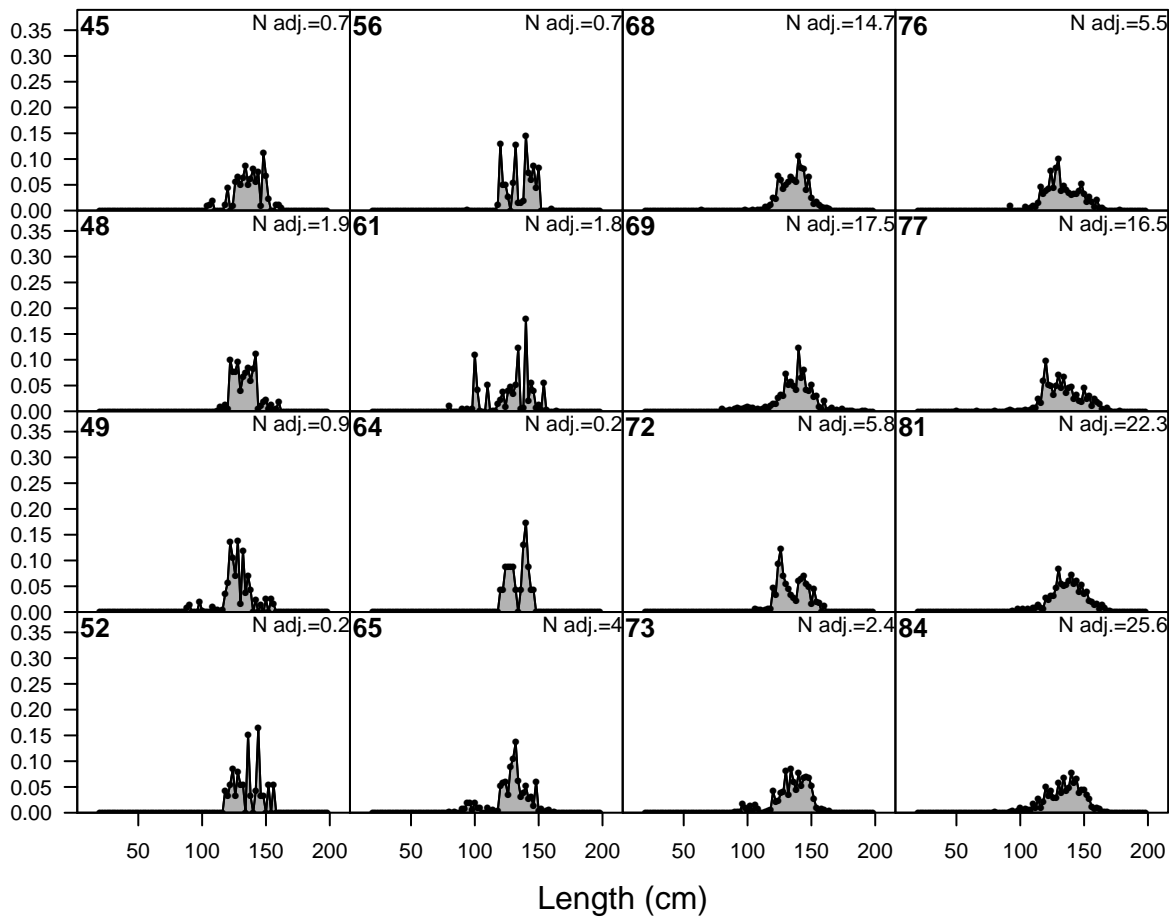




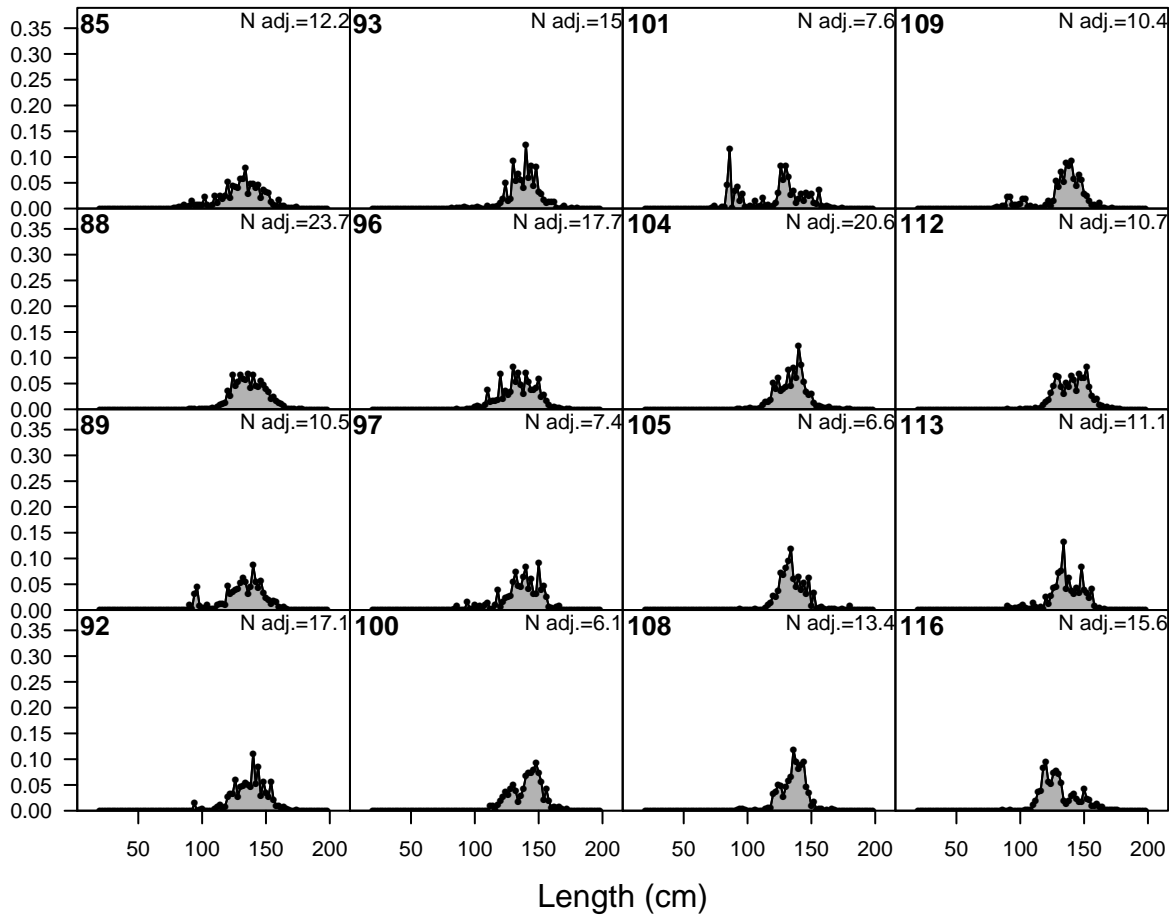
F29-LL_W_Q14n (whole catch)



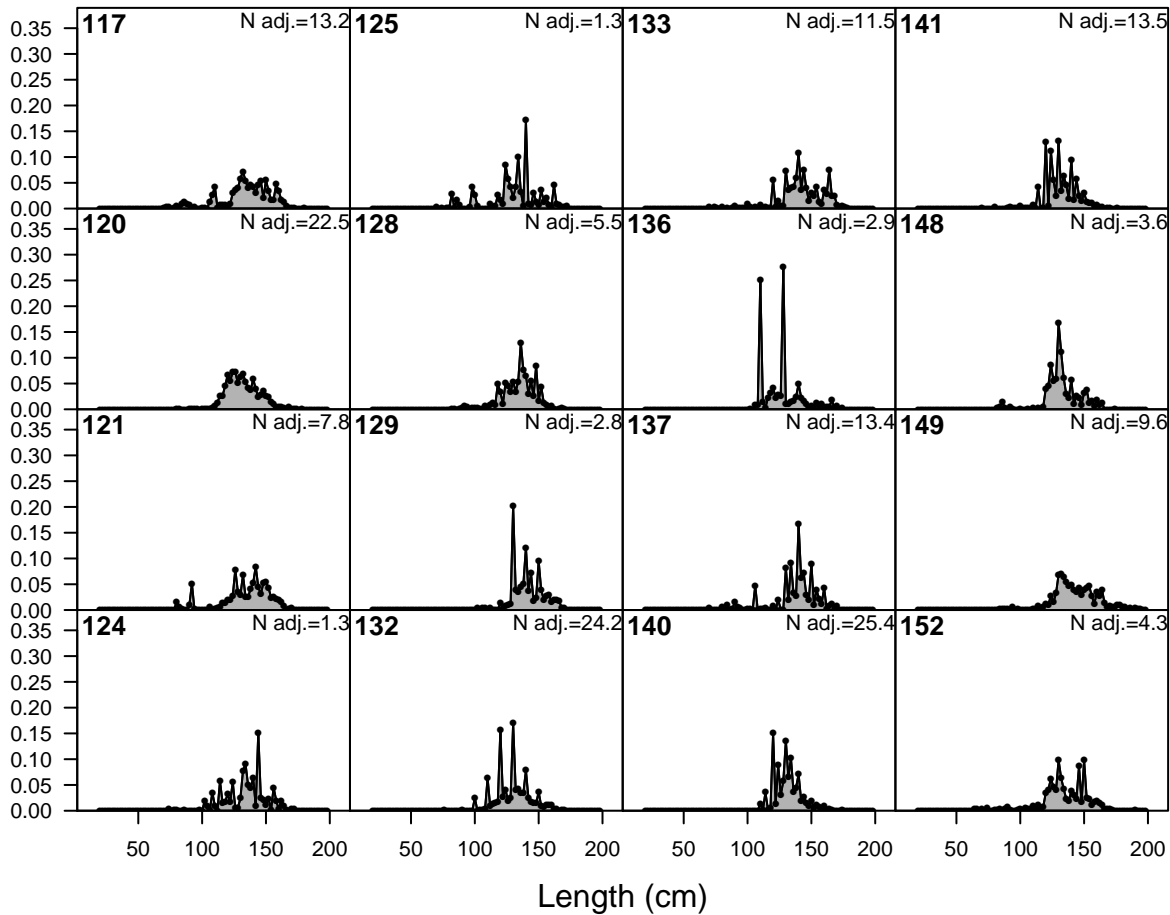
Proportion



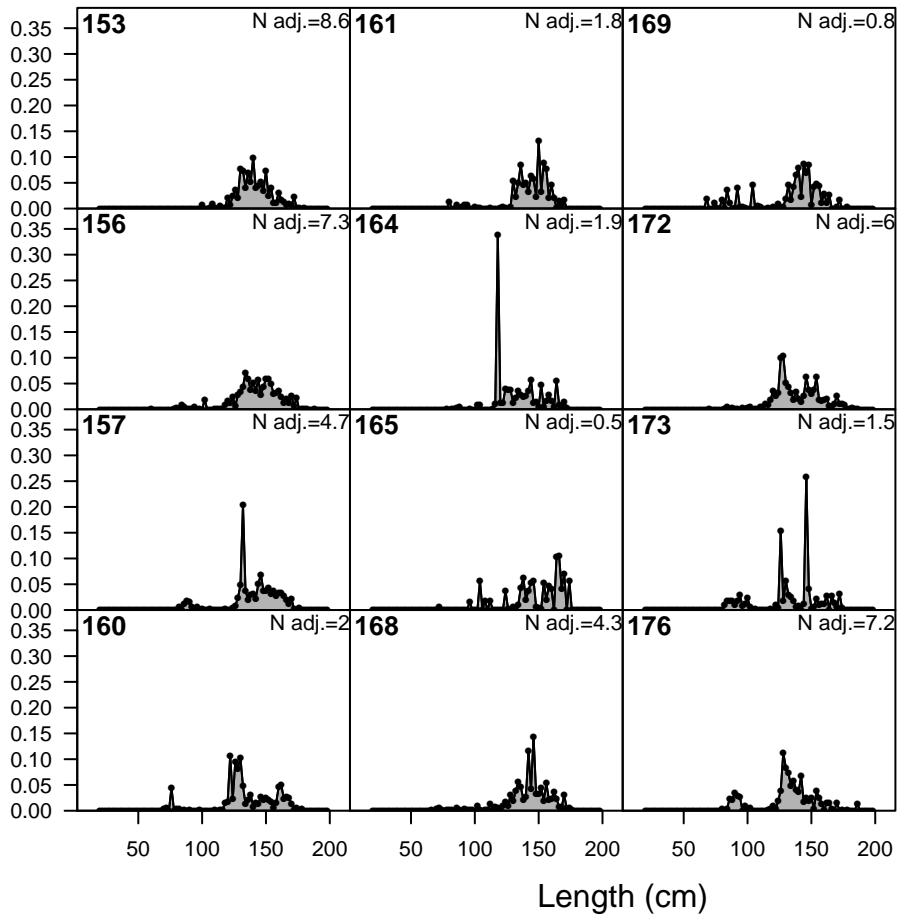
Proportion

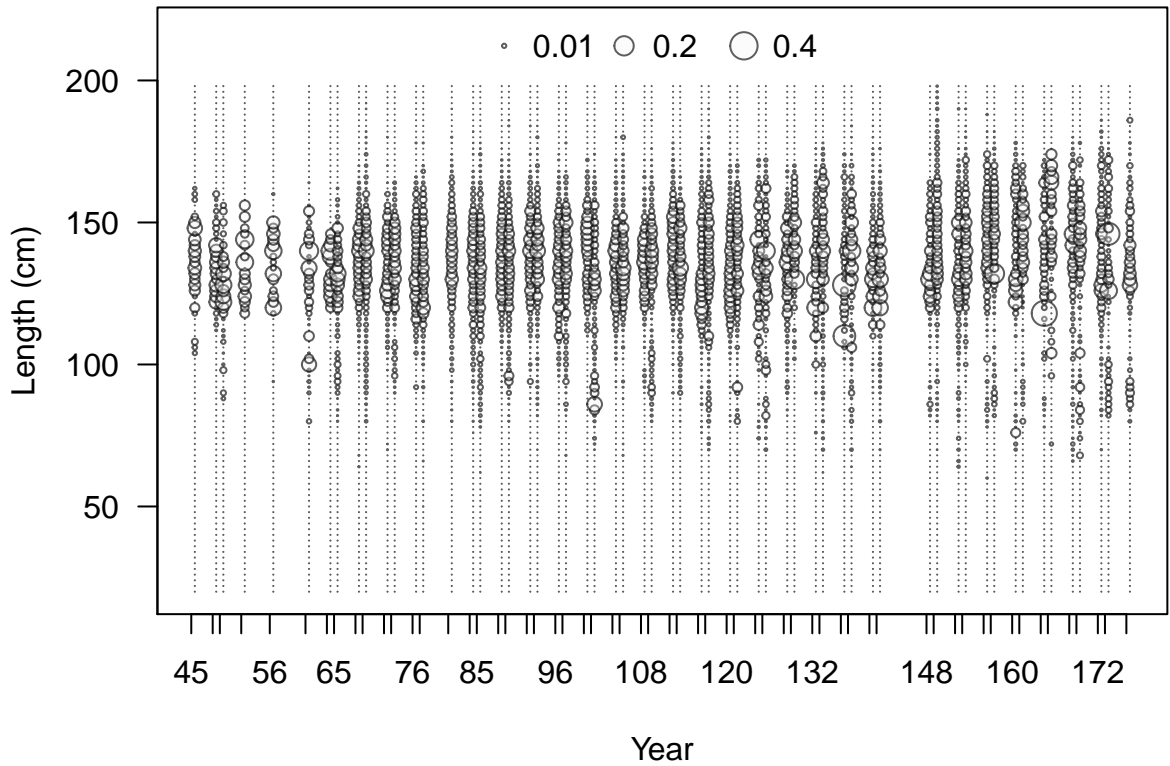


Proportion

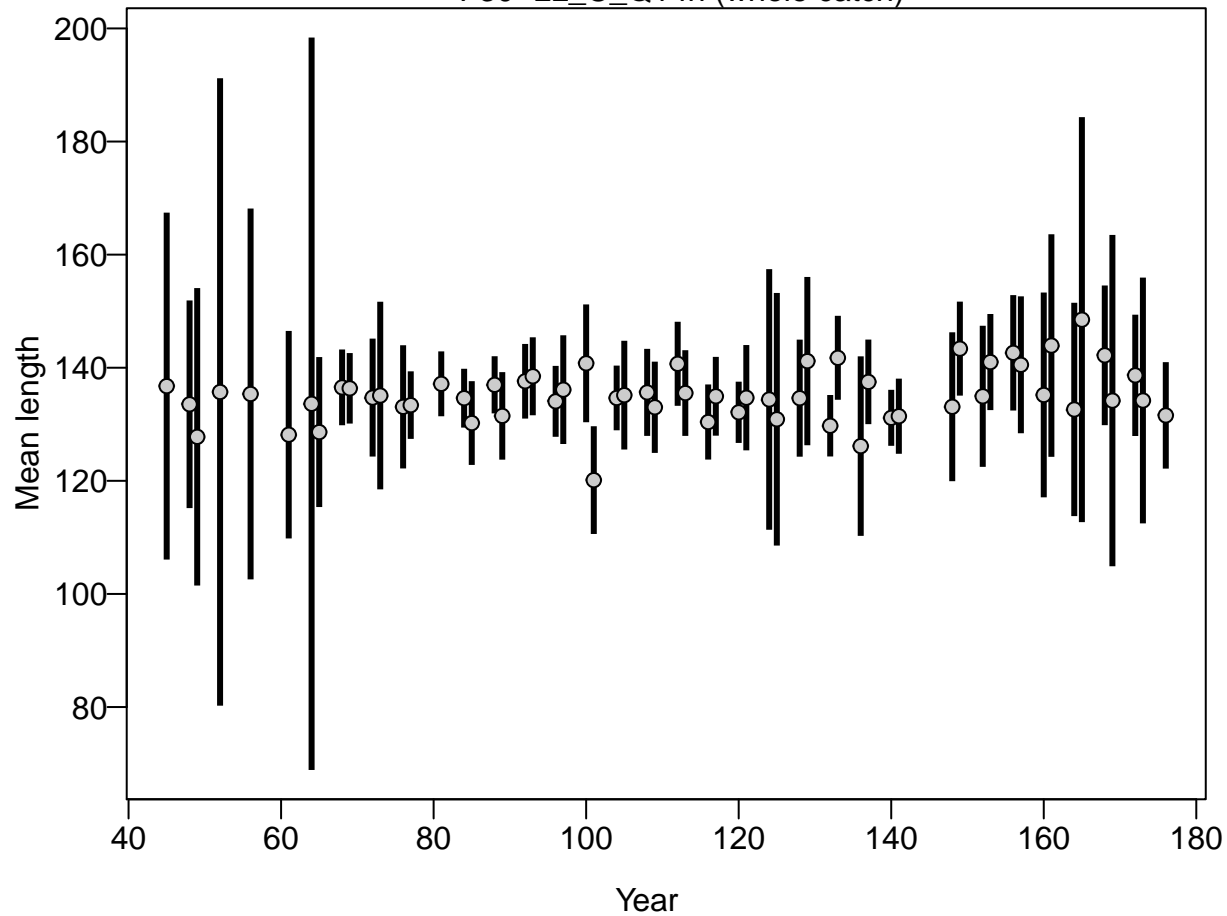


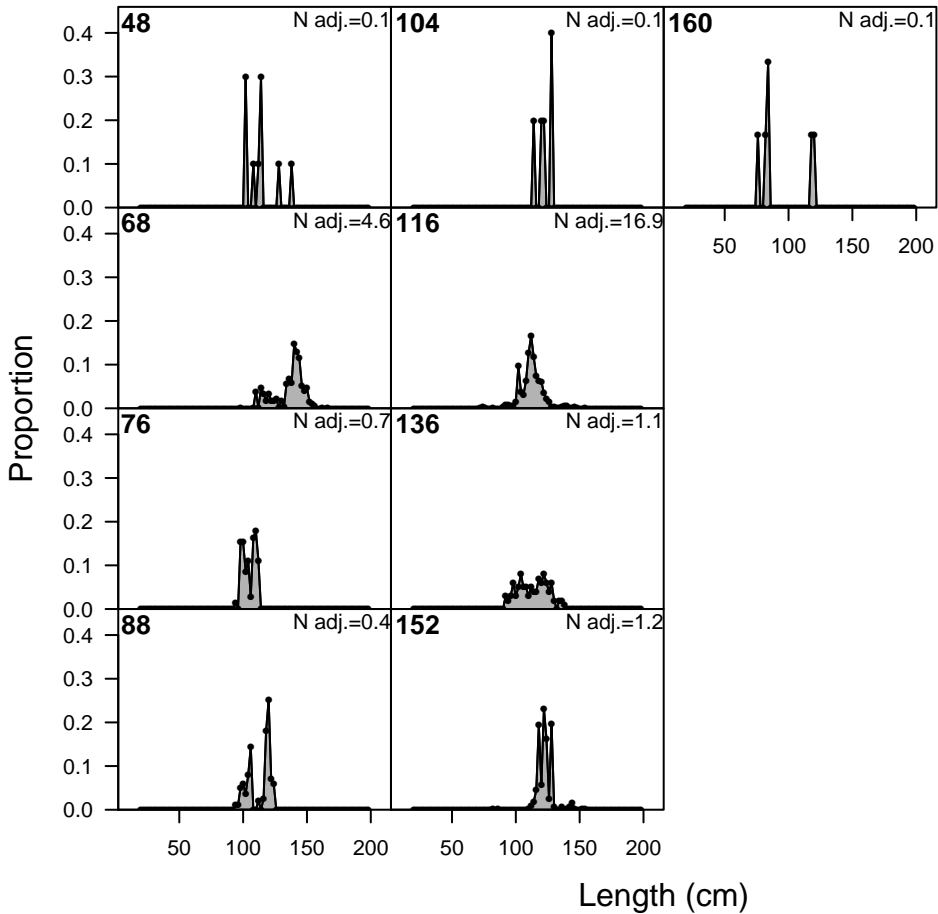
Proportion

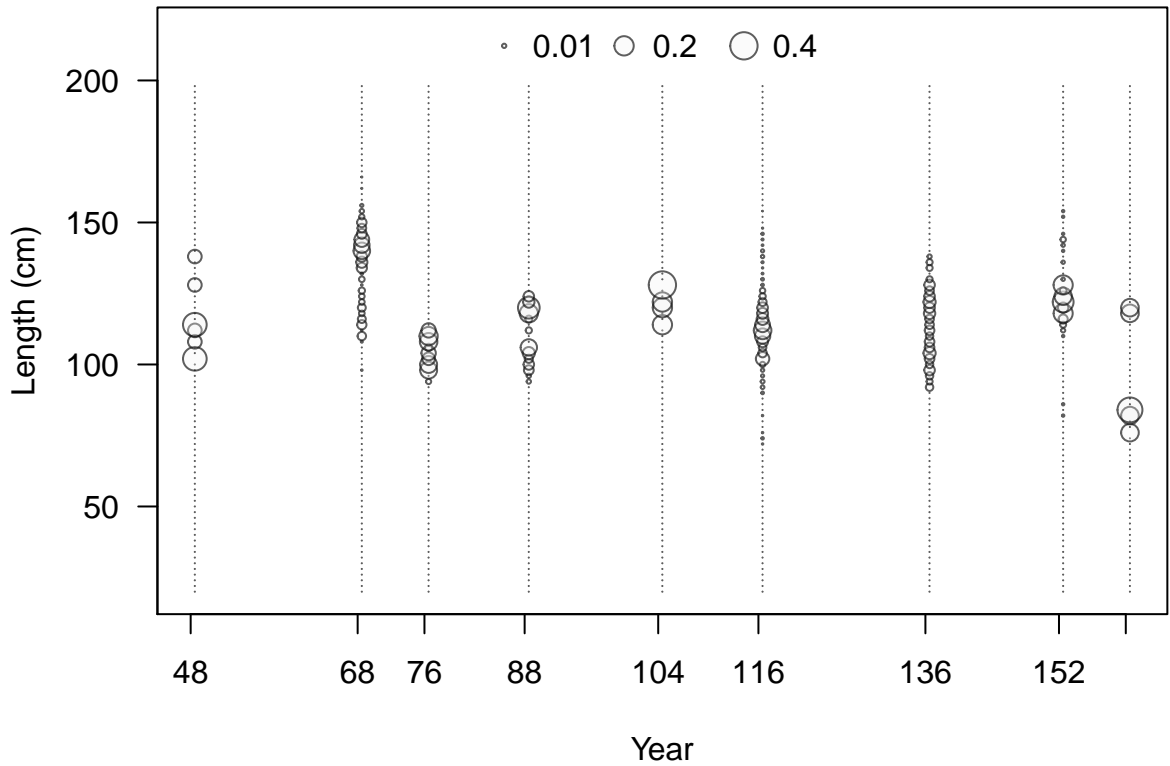




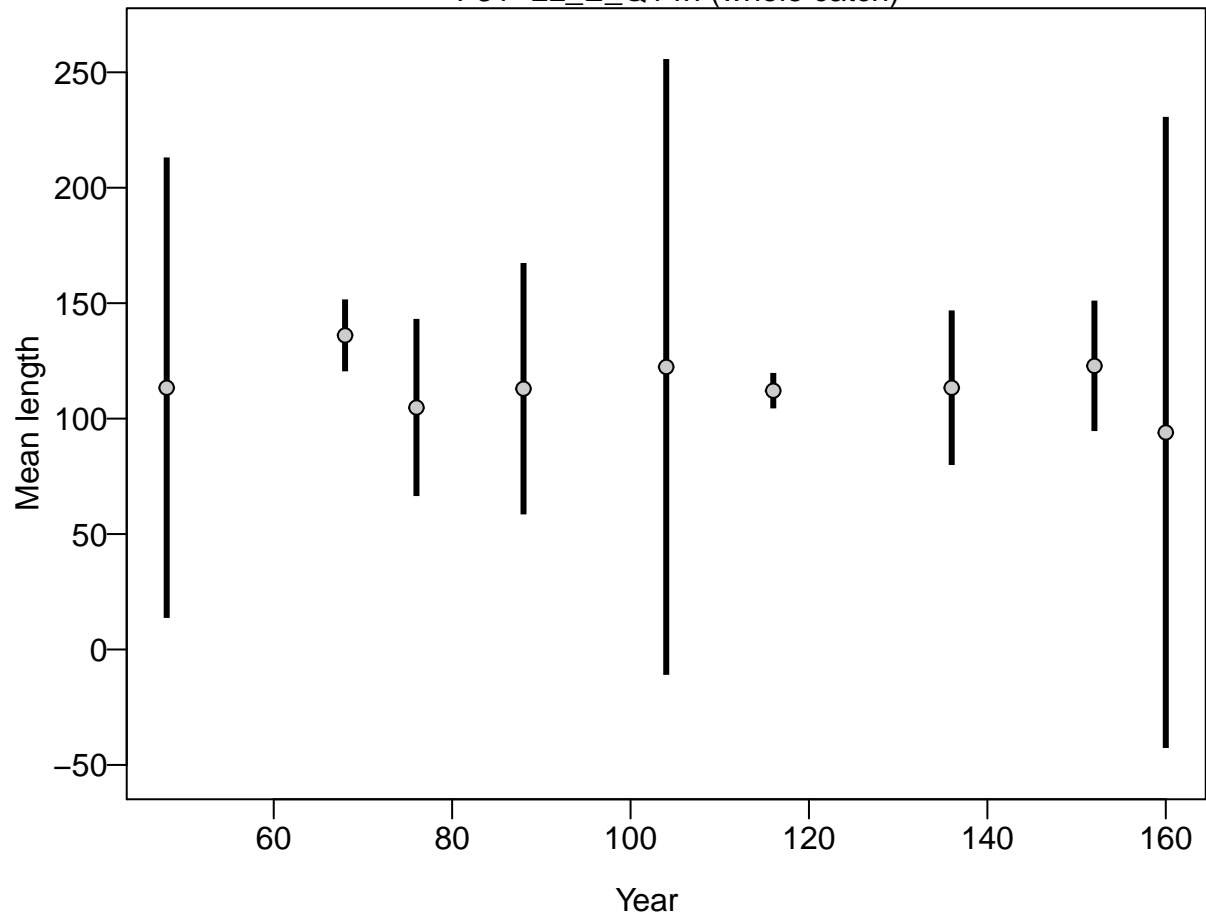
F30-LL_C_Q14n (whole catch)



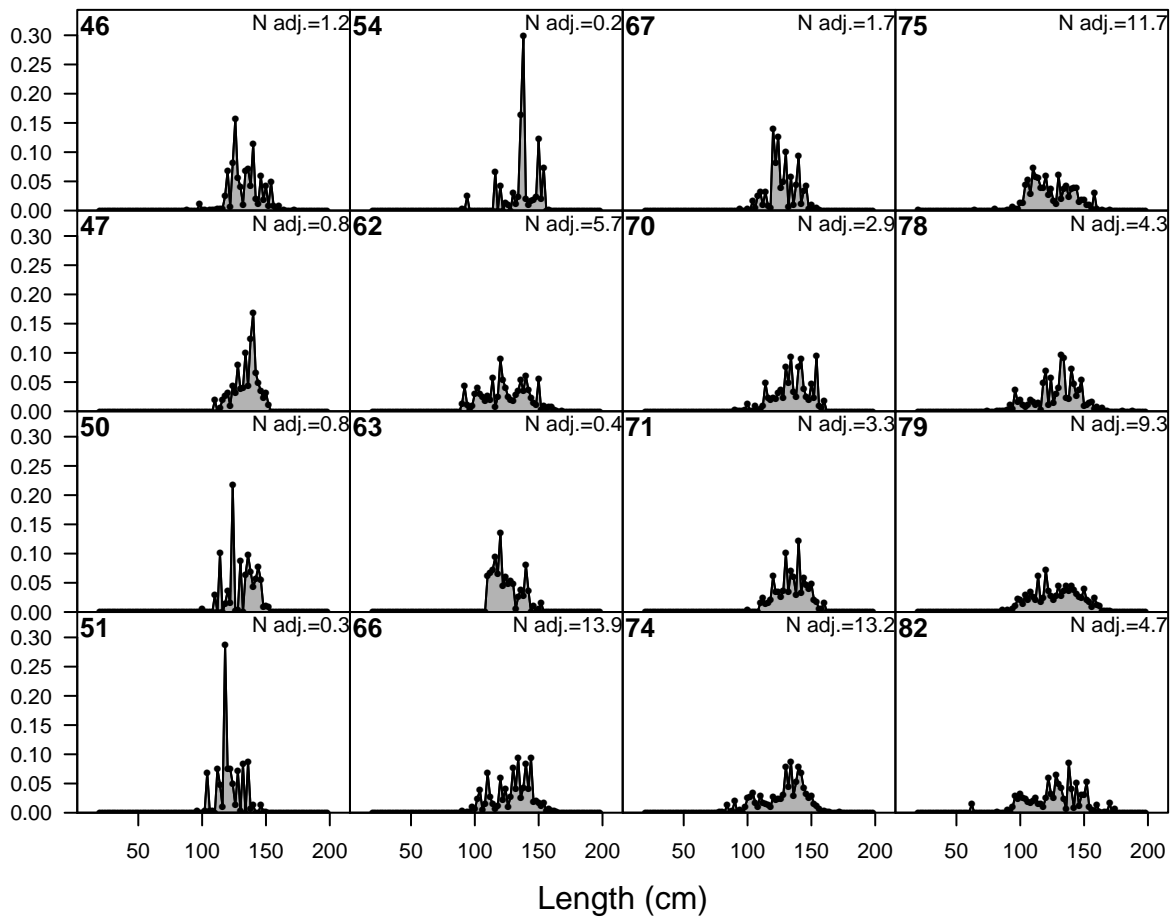




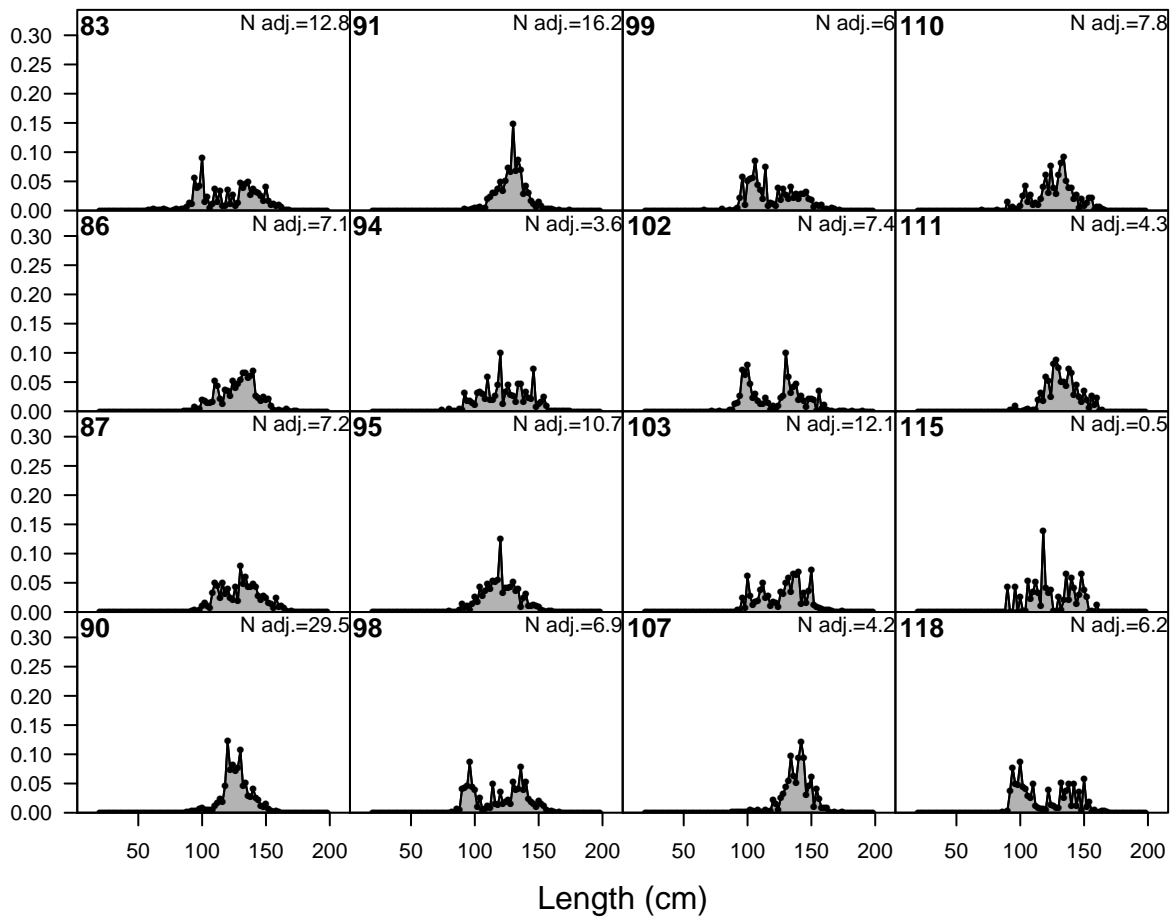
F31-LL_E_Q14n (whole catch)



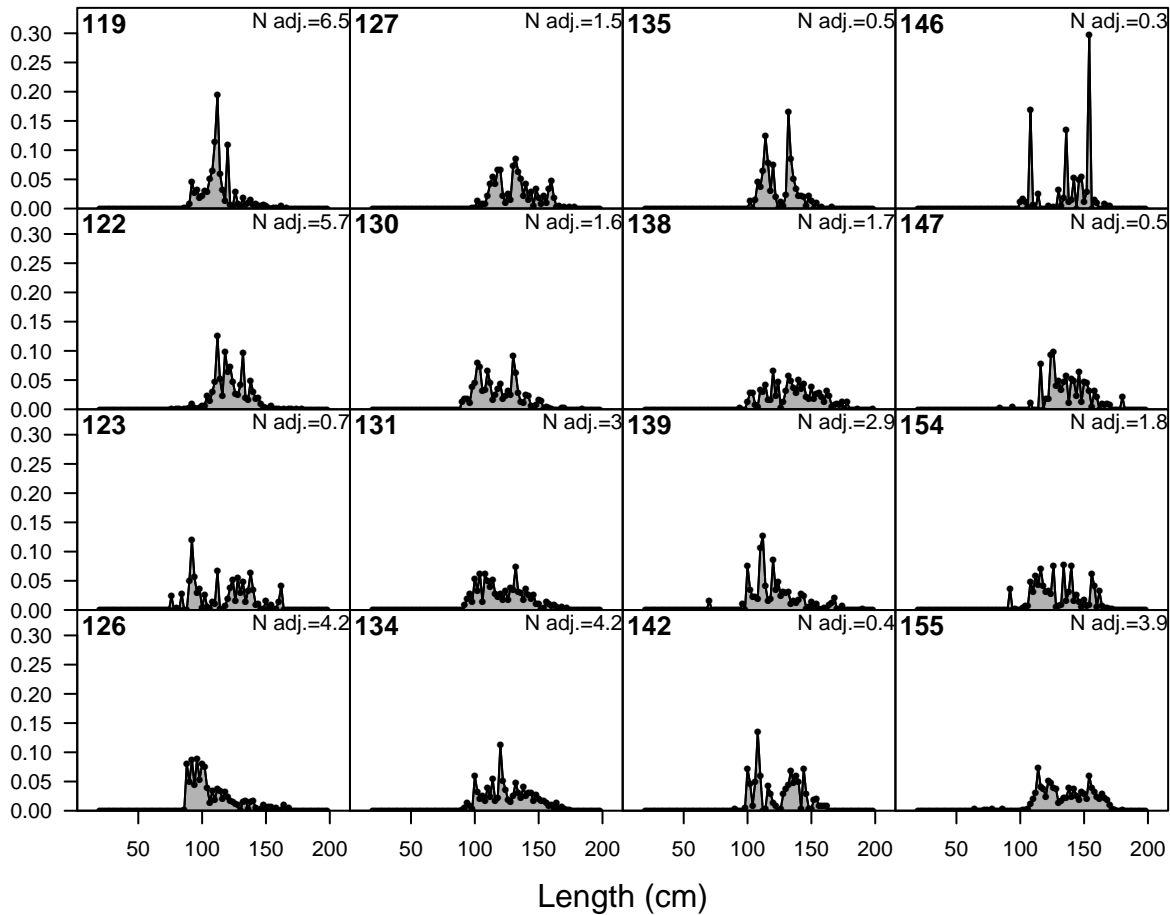
Proportion



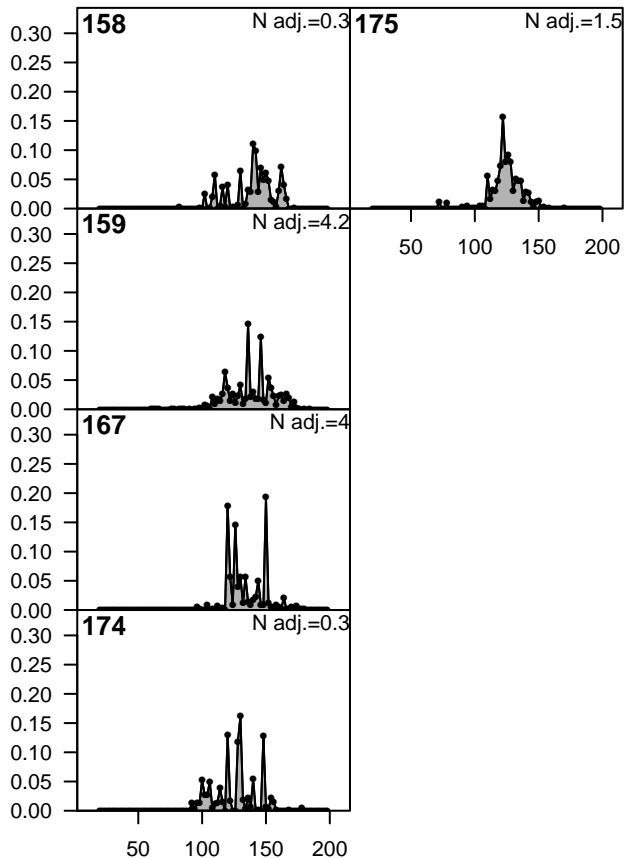
Proportion



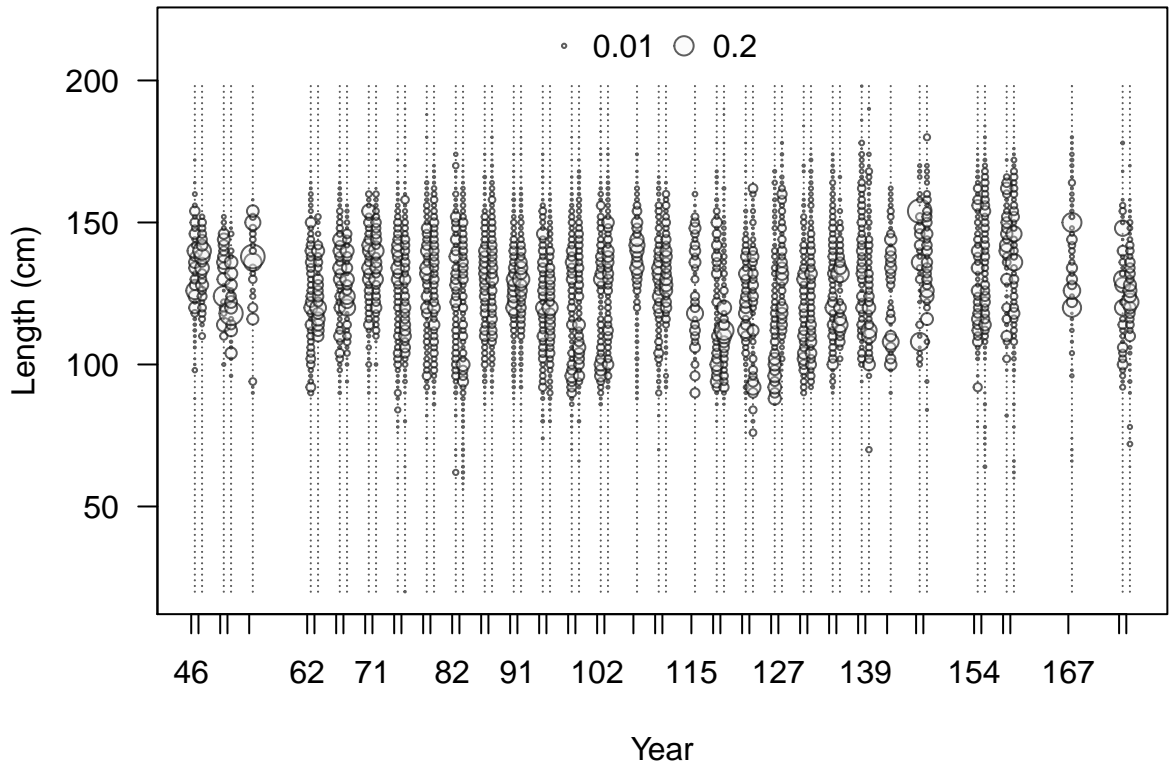
Proportion



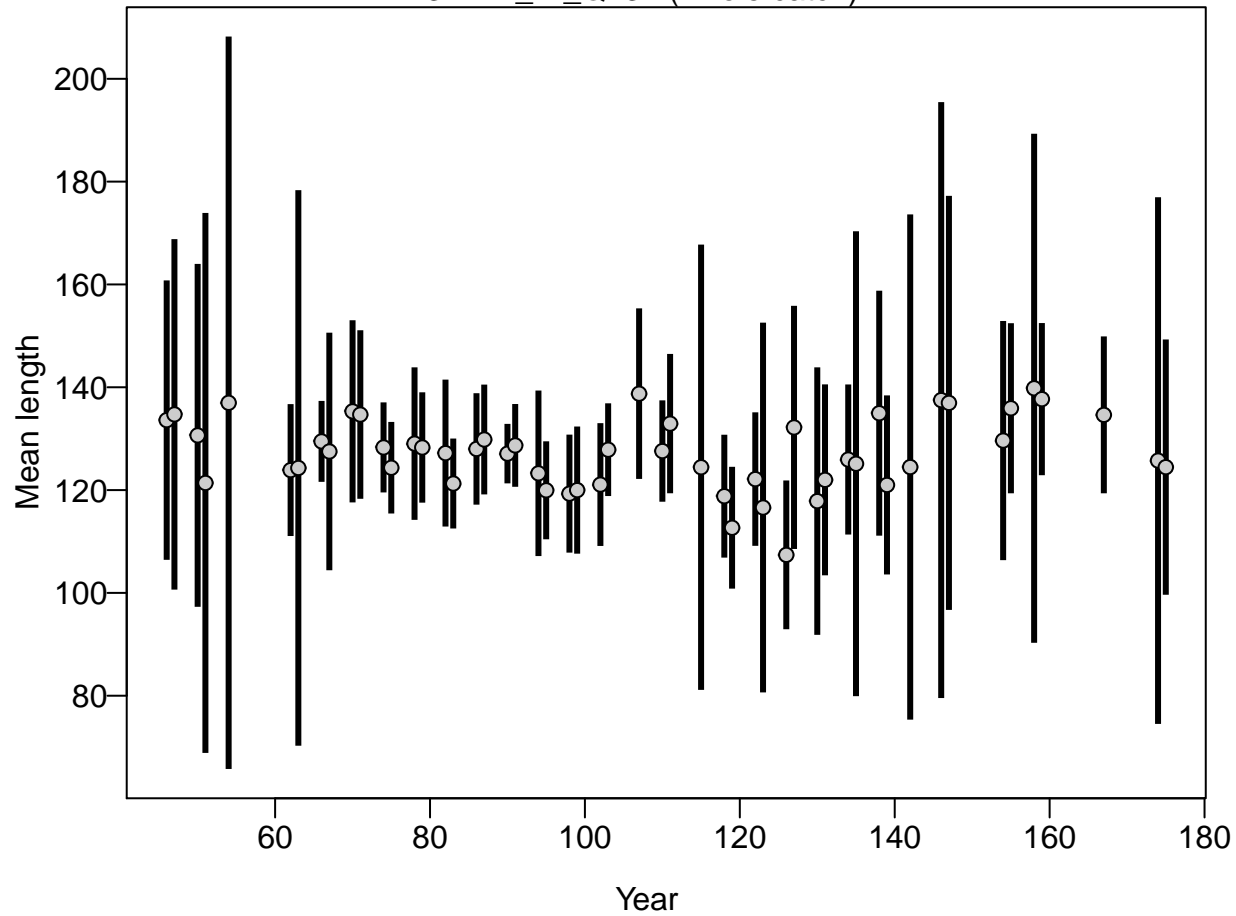
Proportion

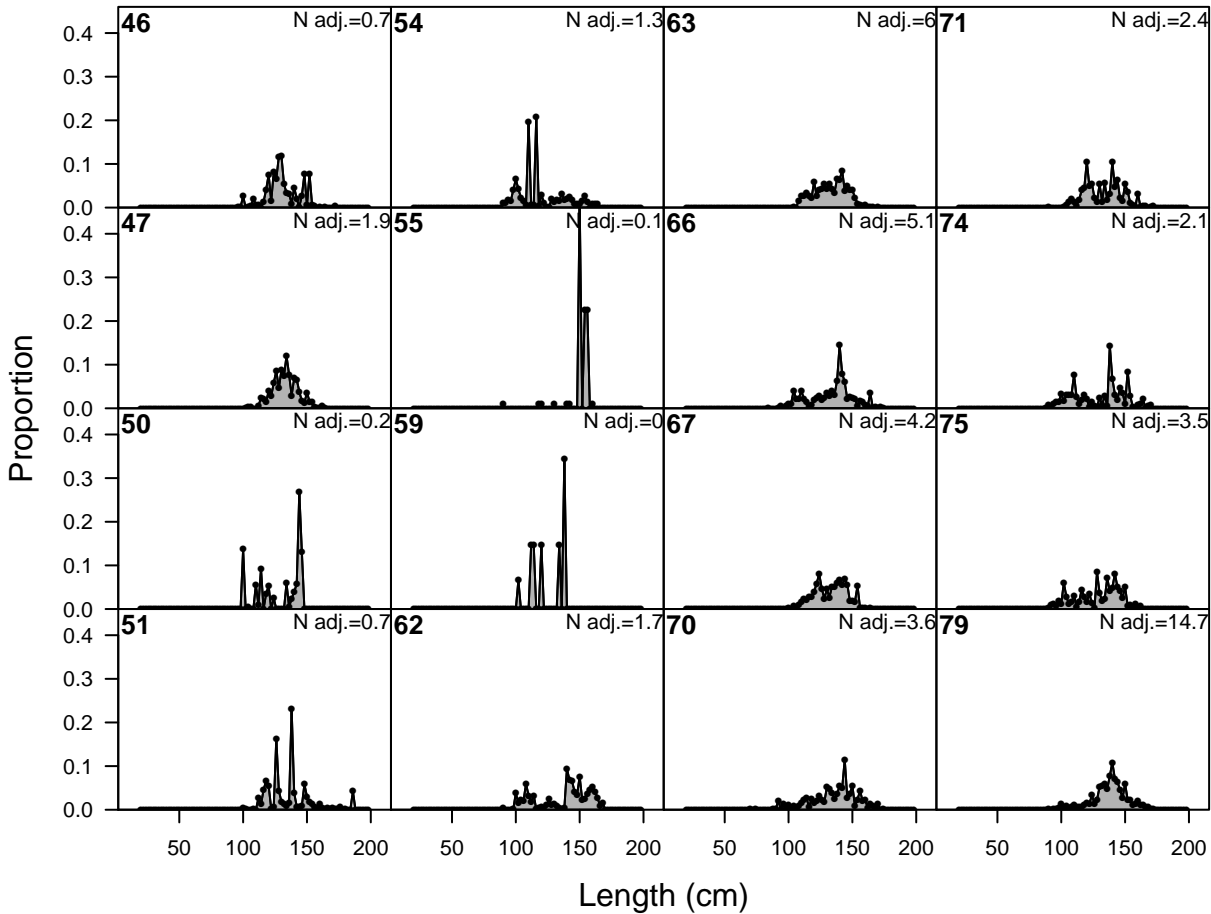


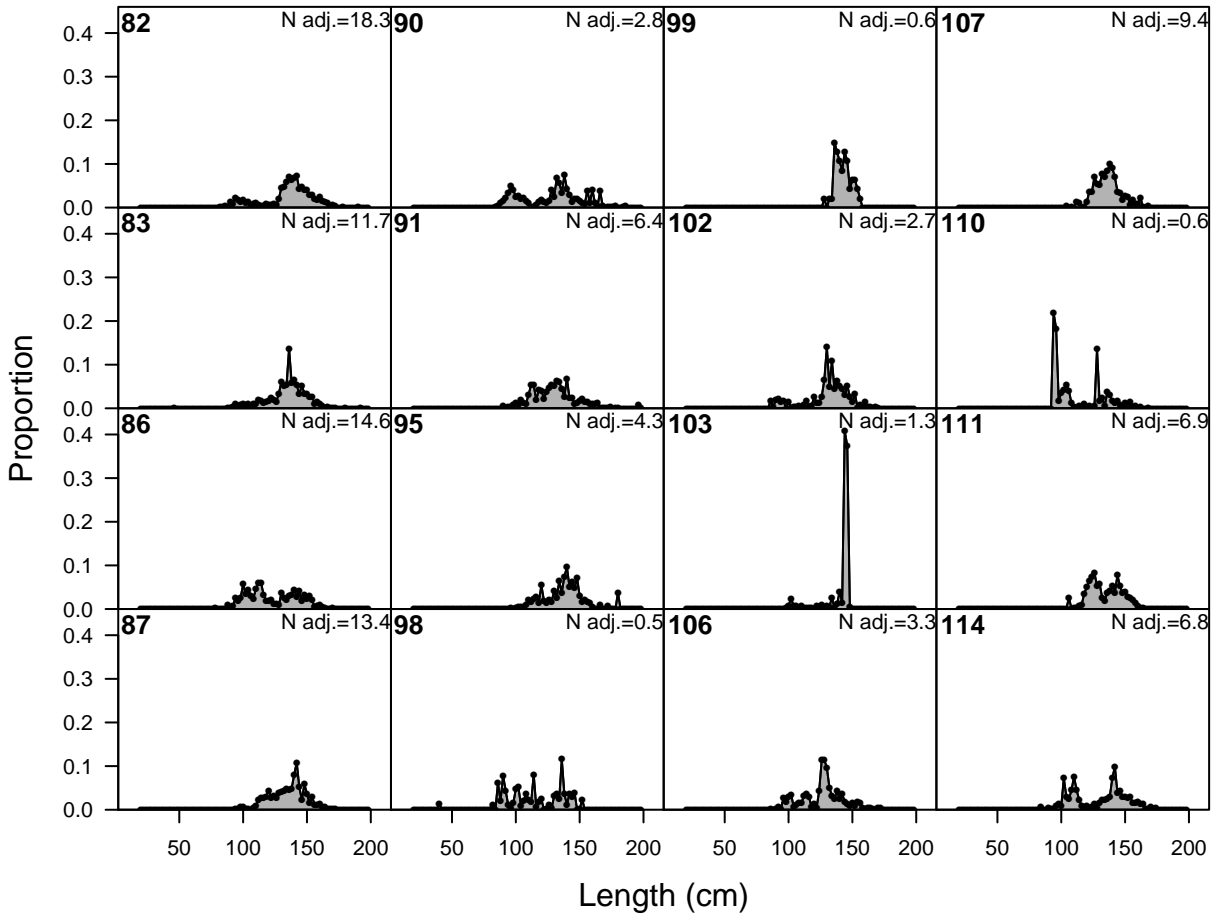
Length (cm)

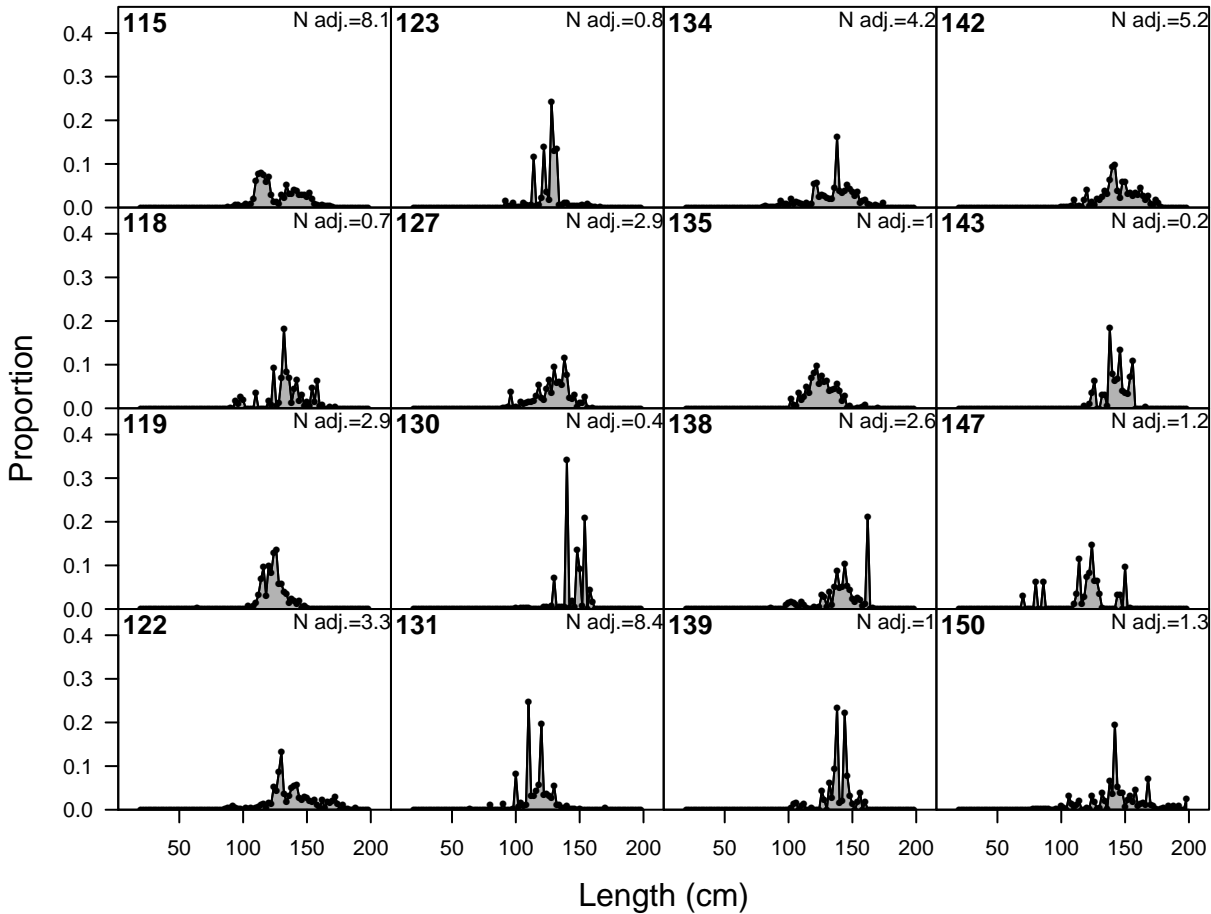


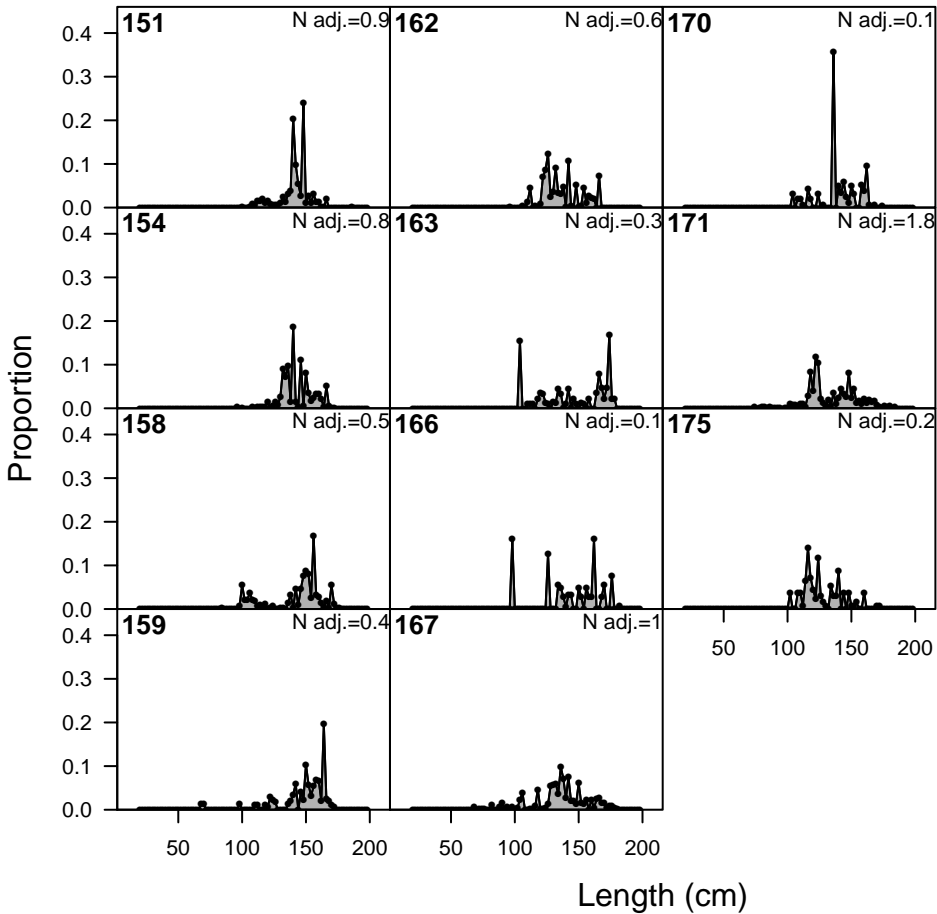
F32-LL_W_Q23n (whole catch)

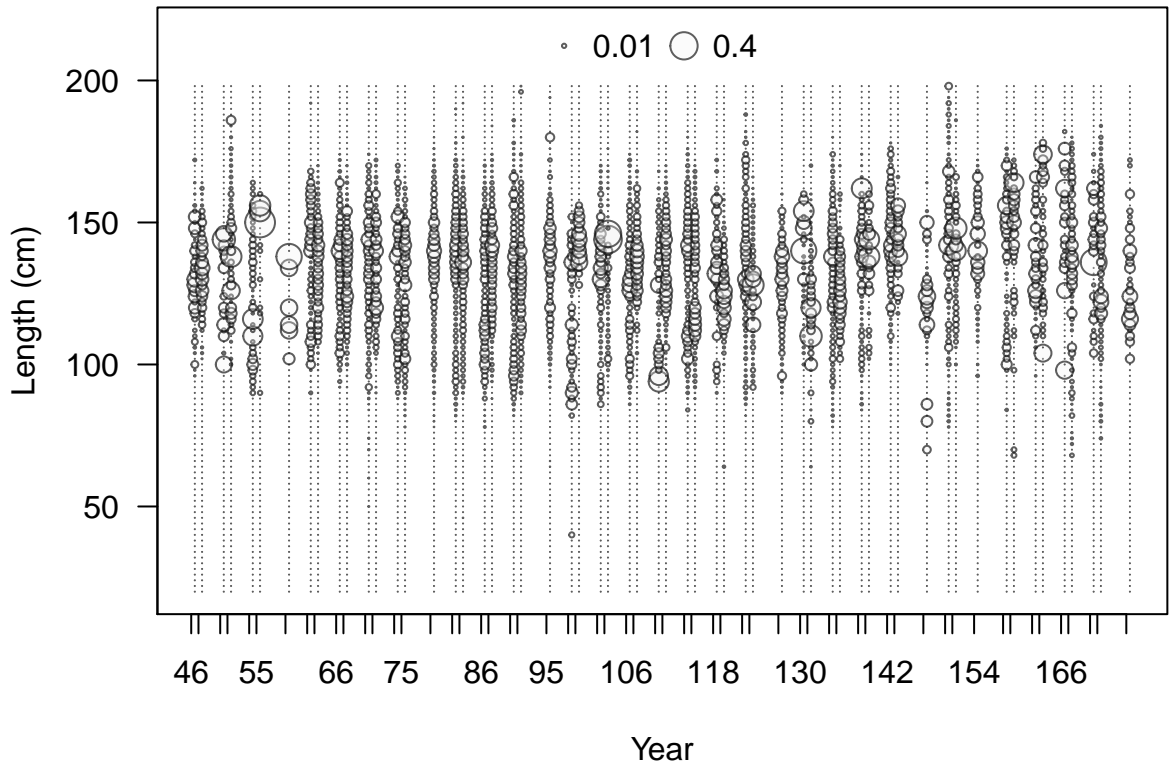




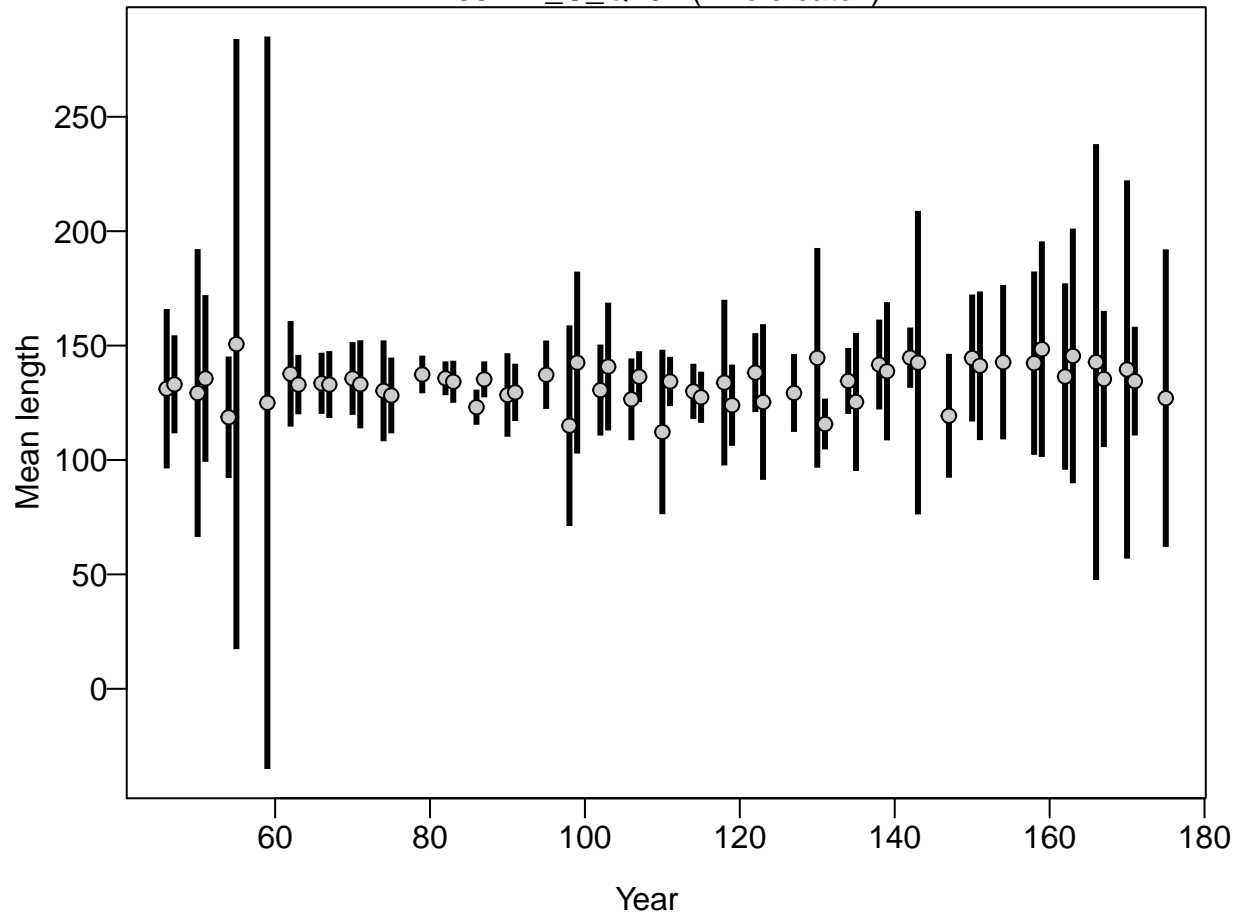


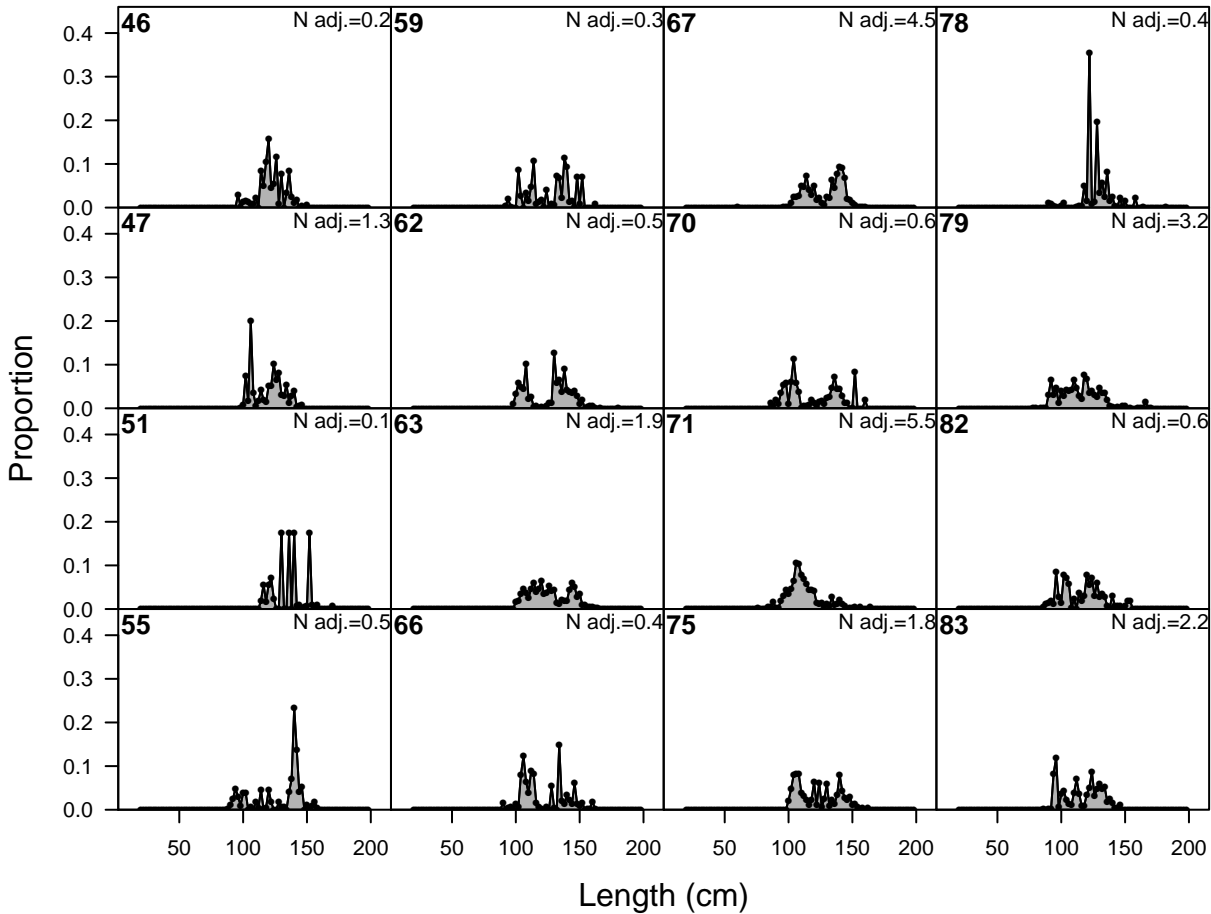


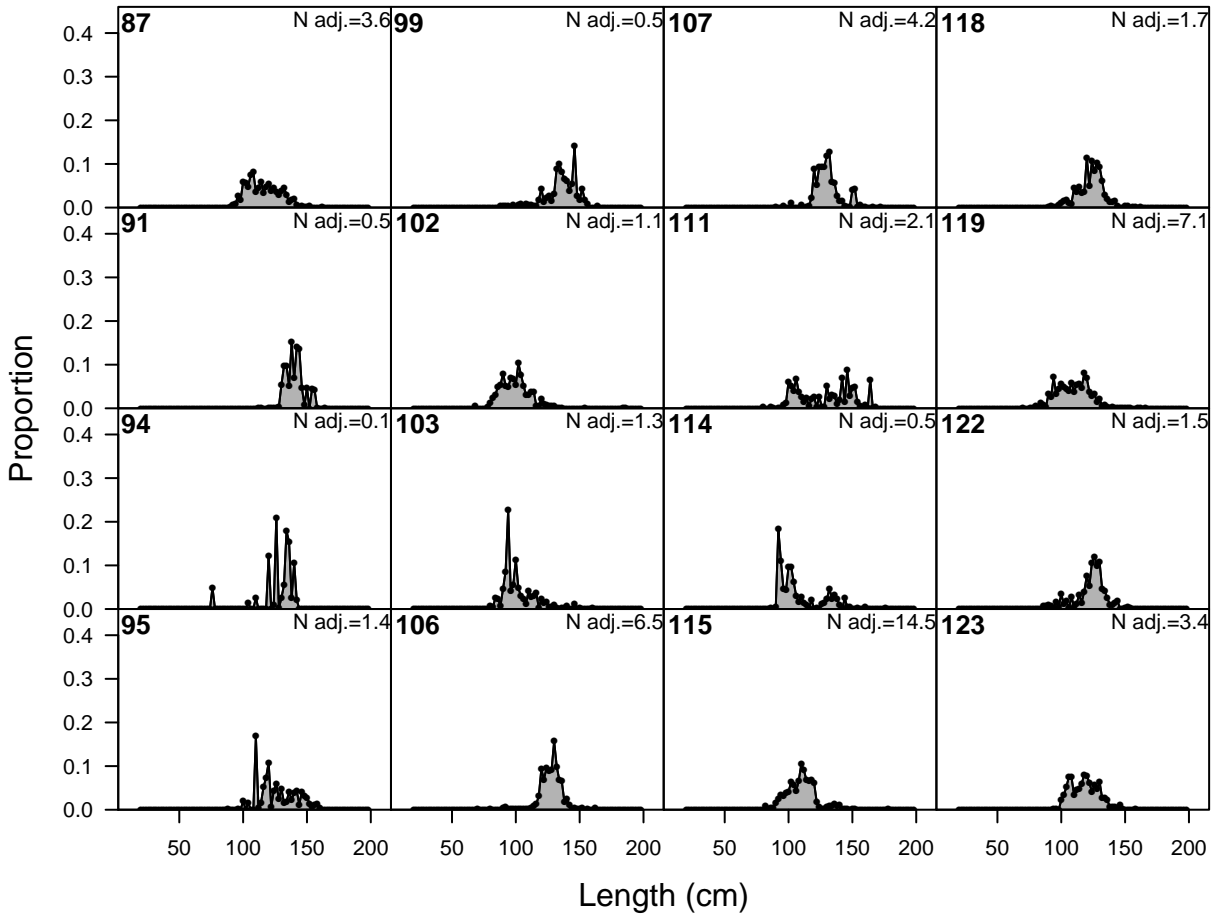


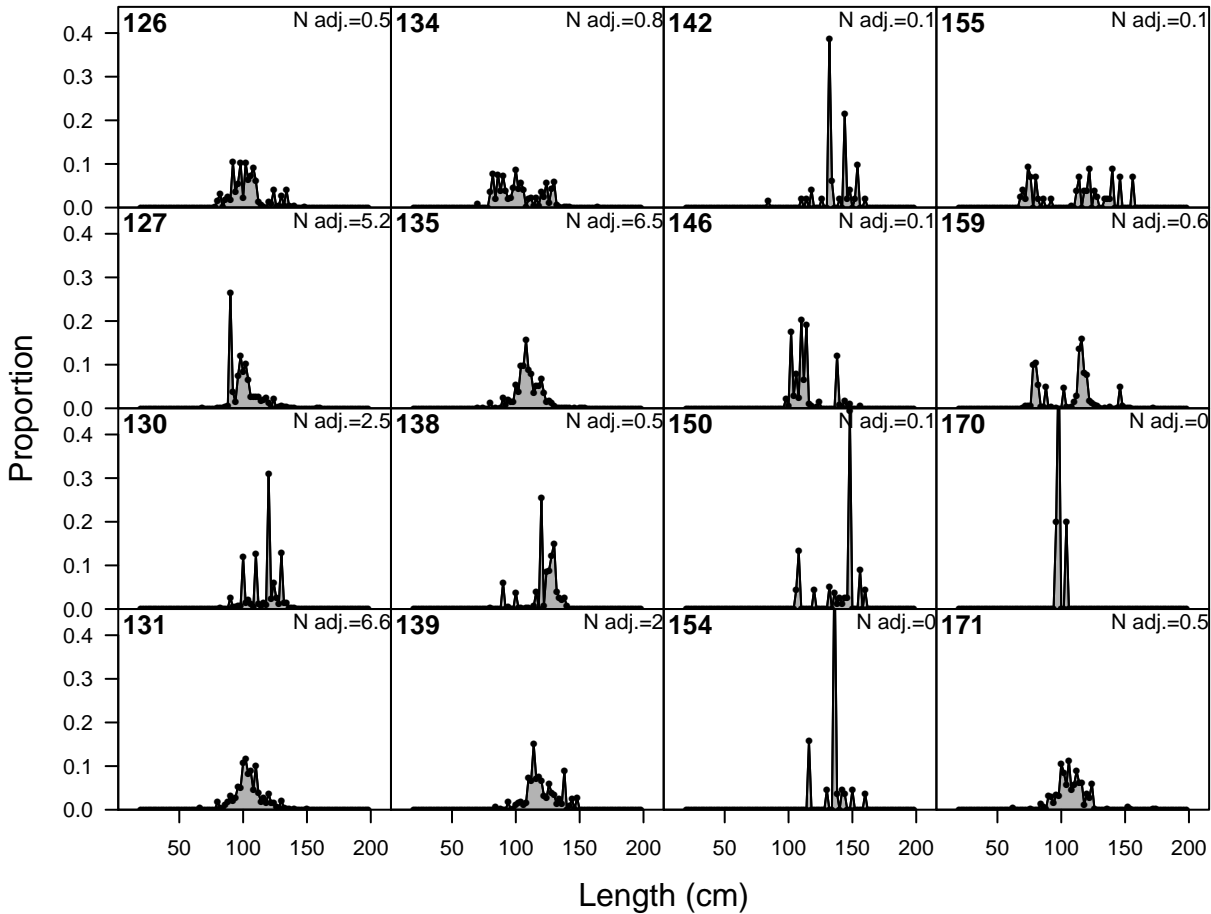


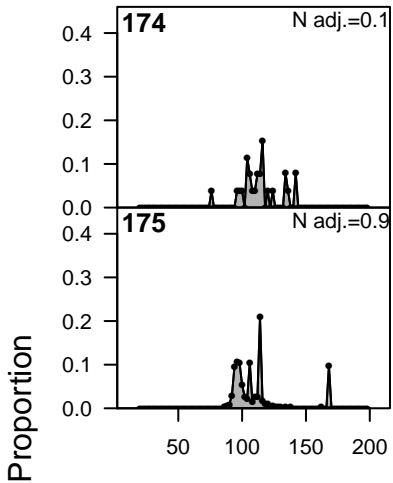
F33-LL_C_Q23n (whole catch)



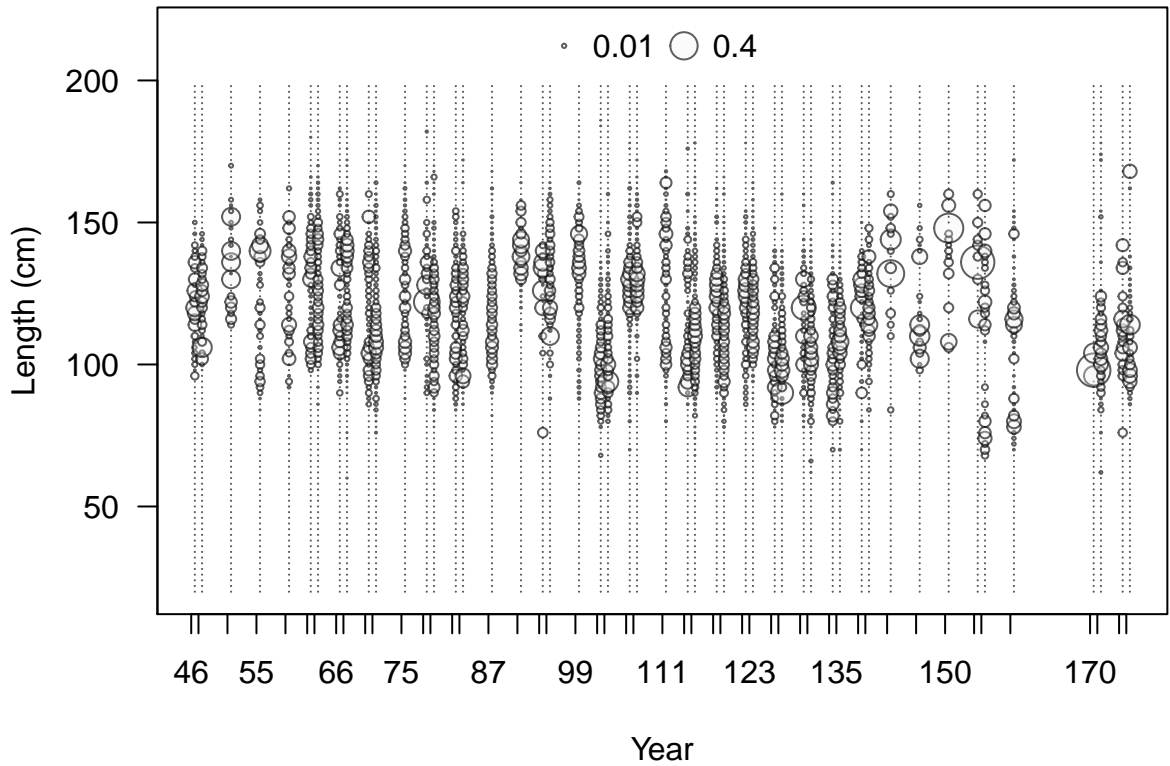




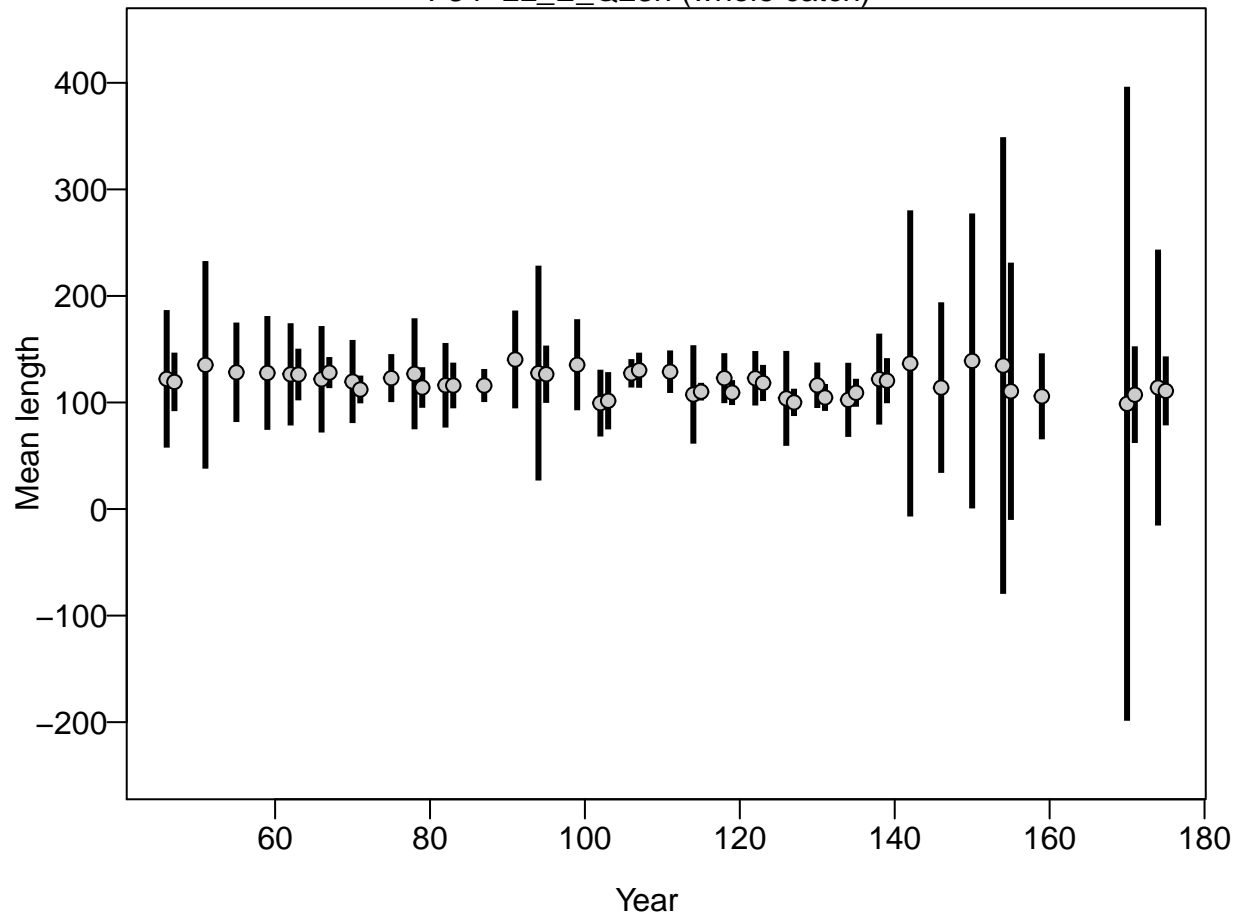




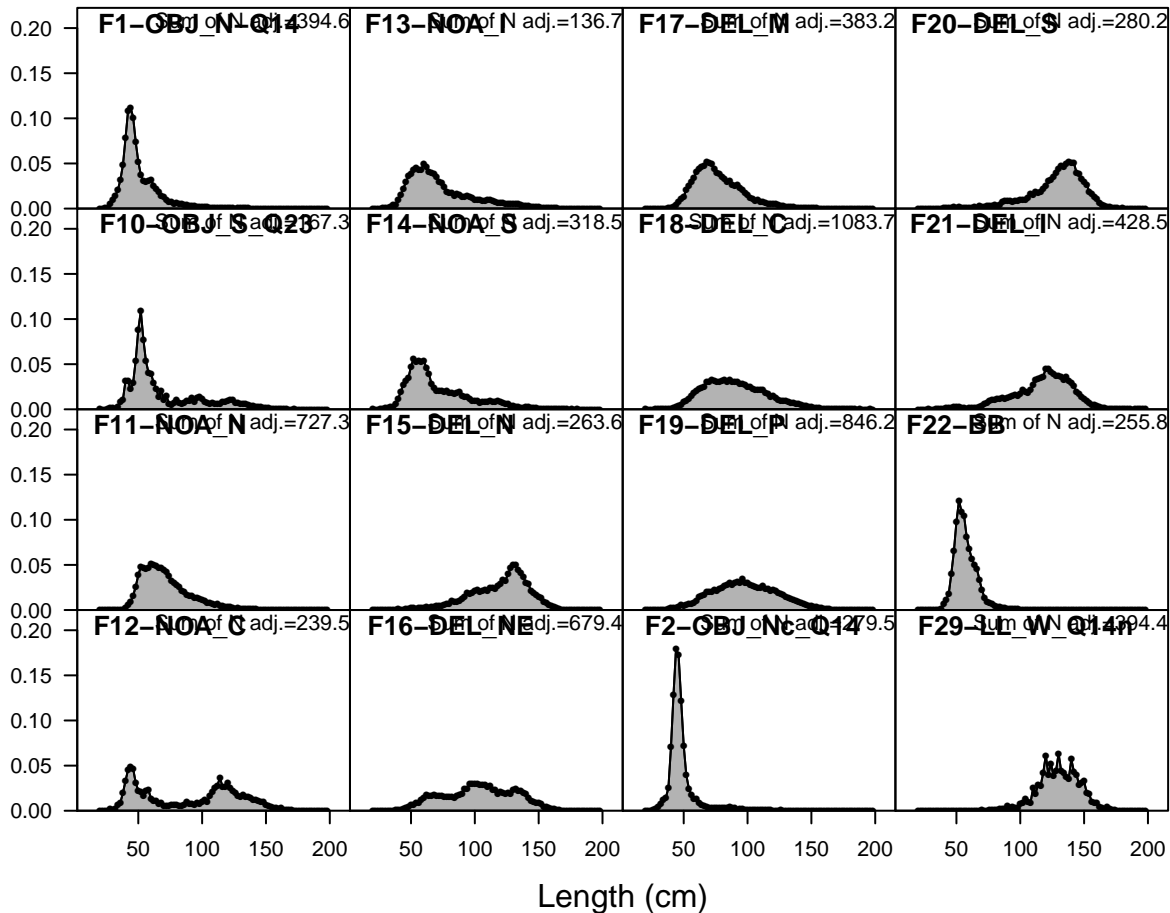
Length (cm)



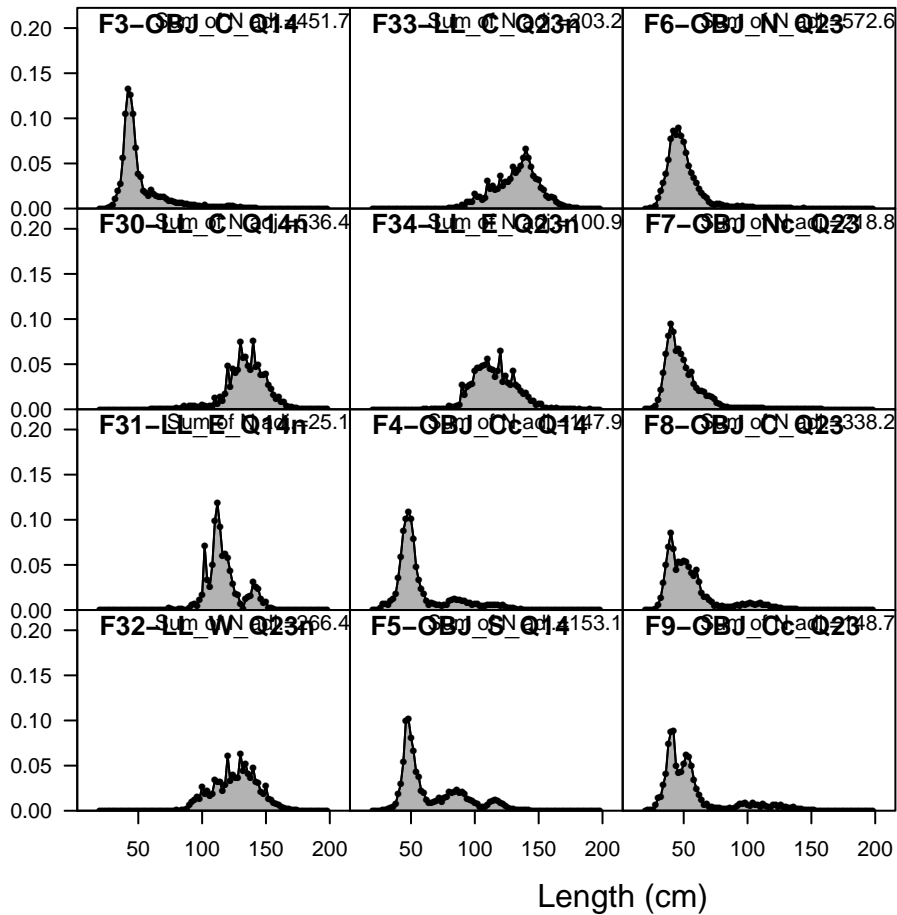
F34-LL_E_Q23n (whole catch)

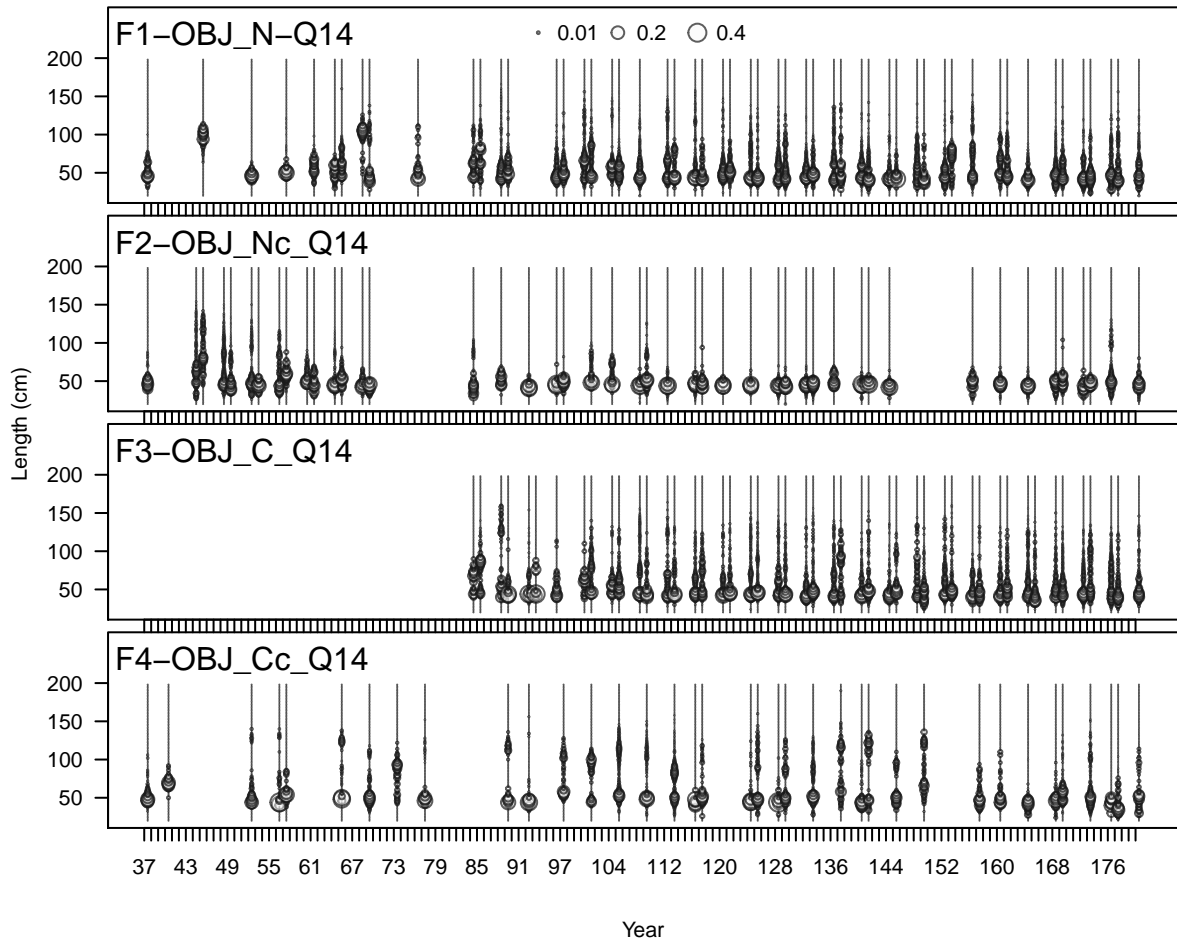


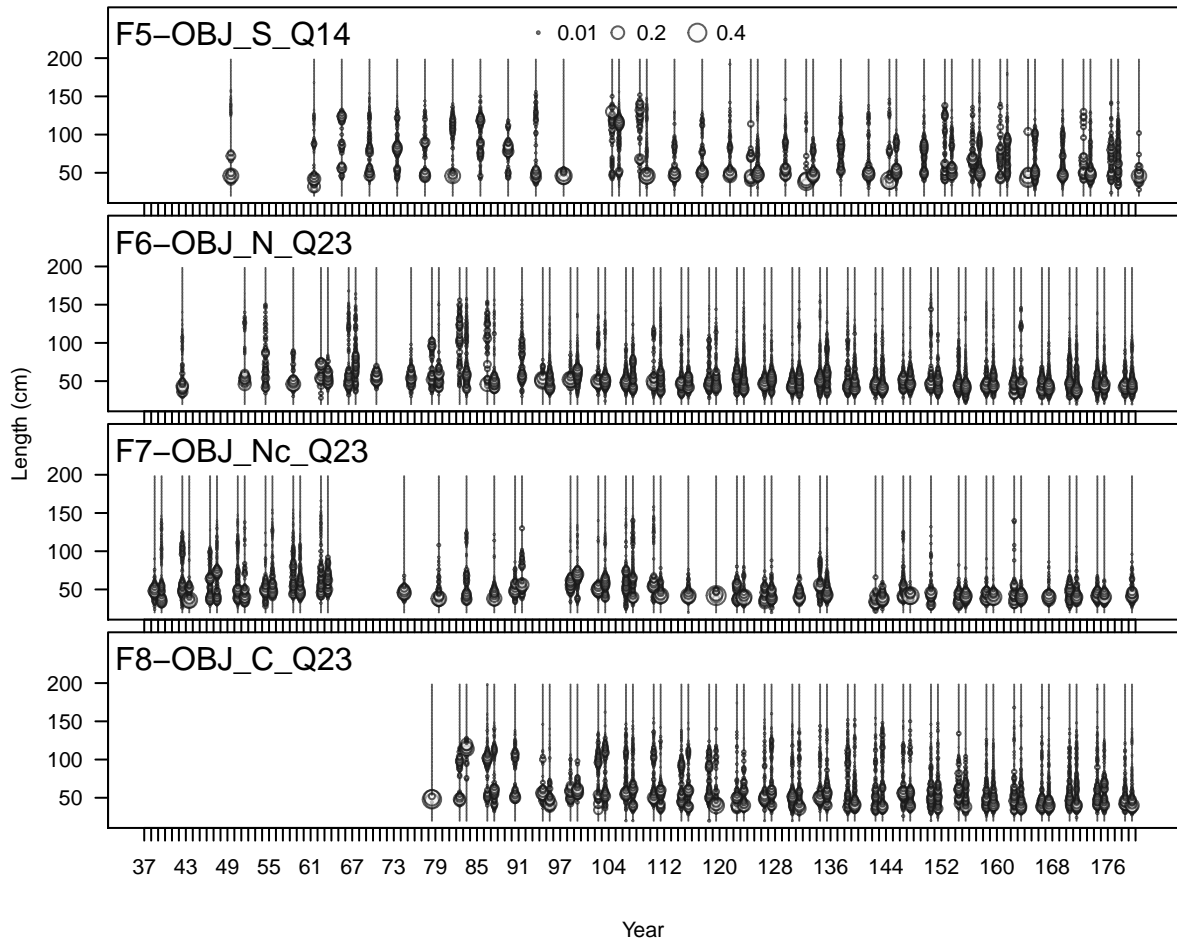
Proportion

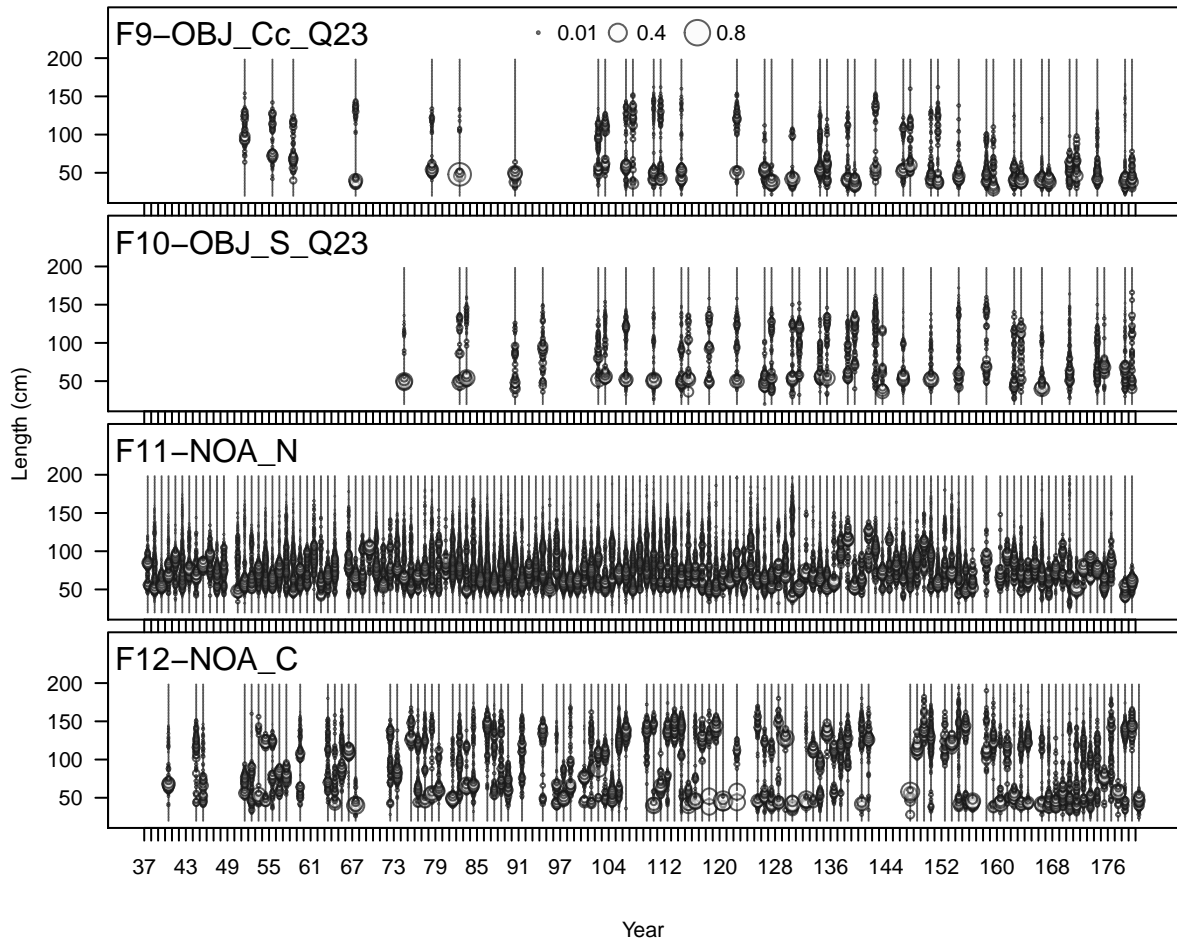


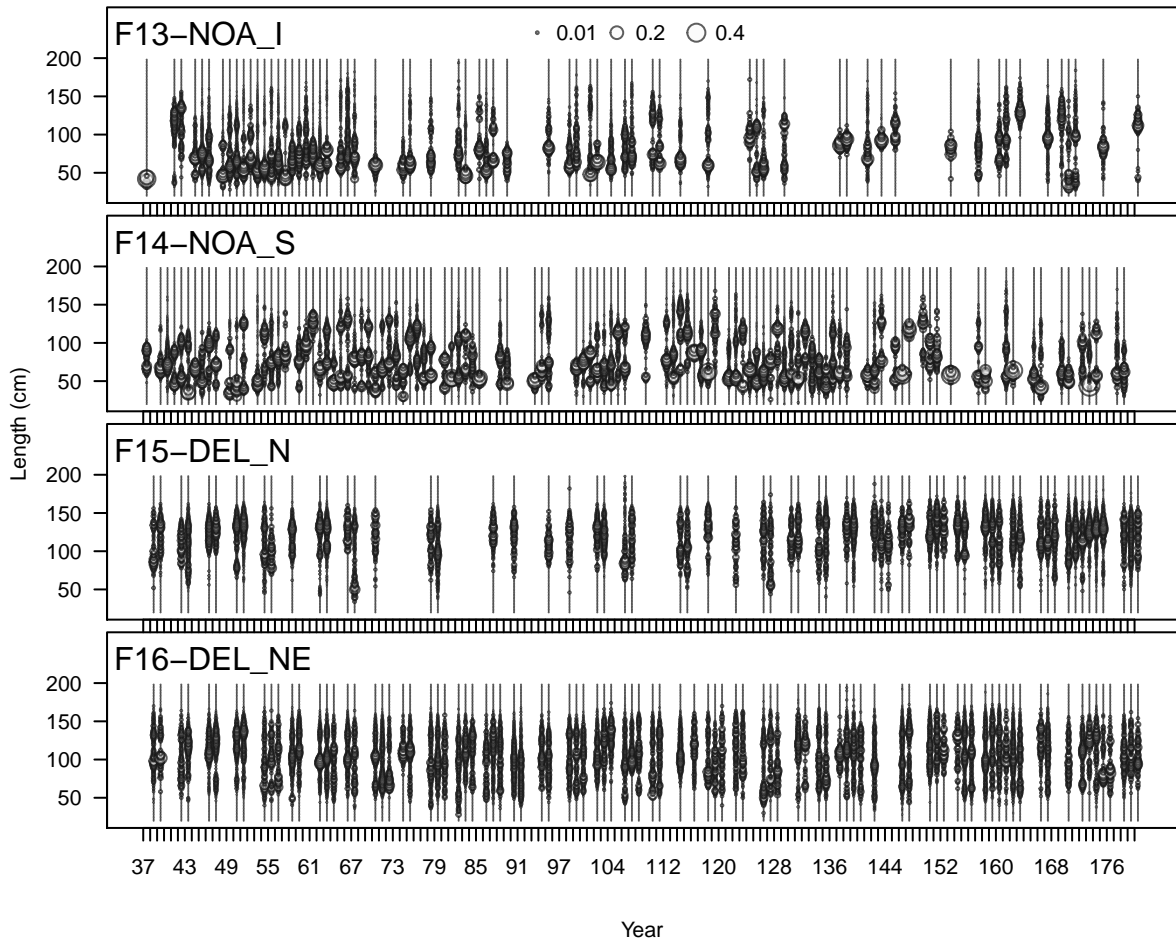
Proportion

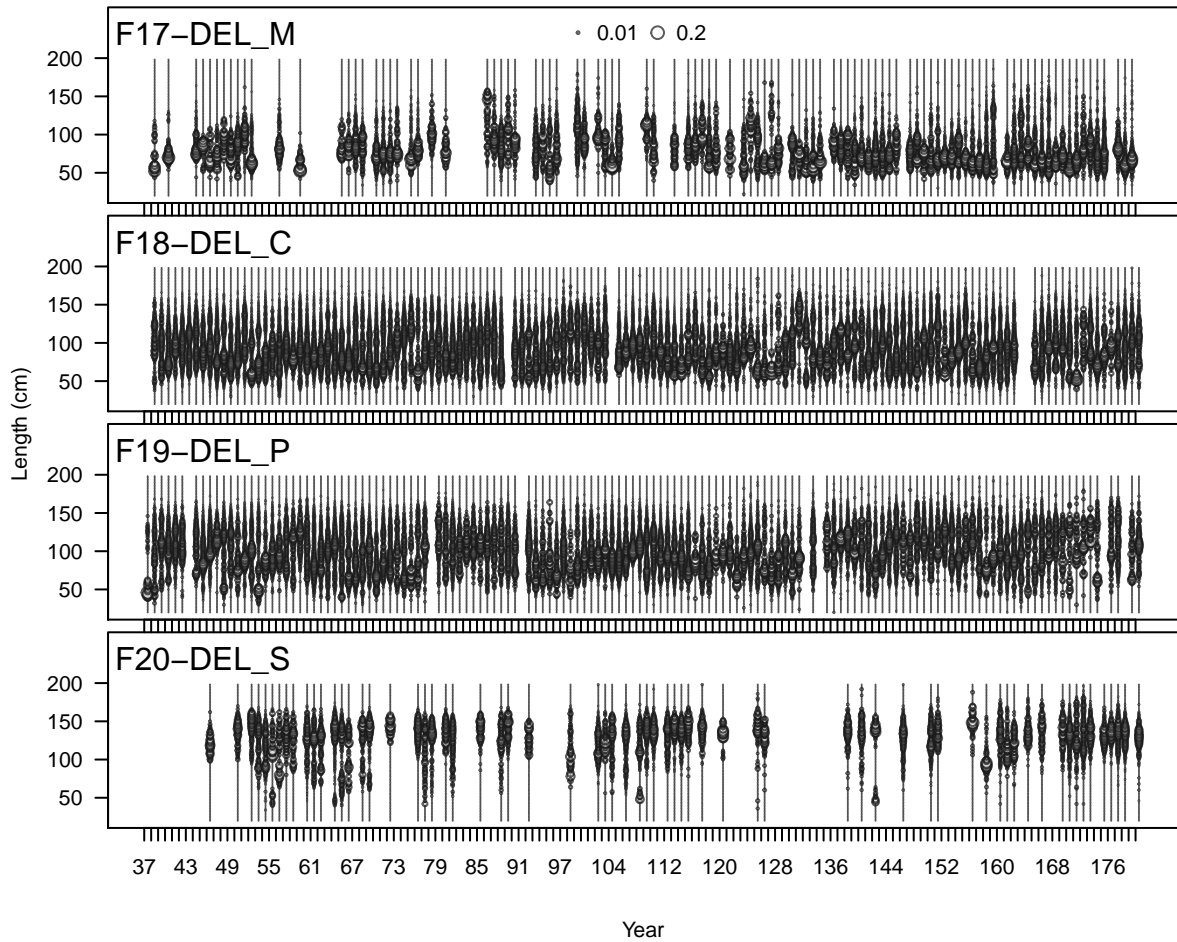


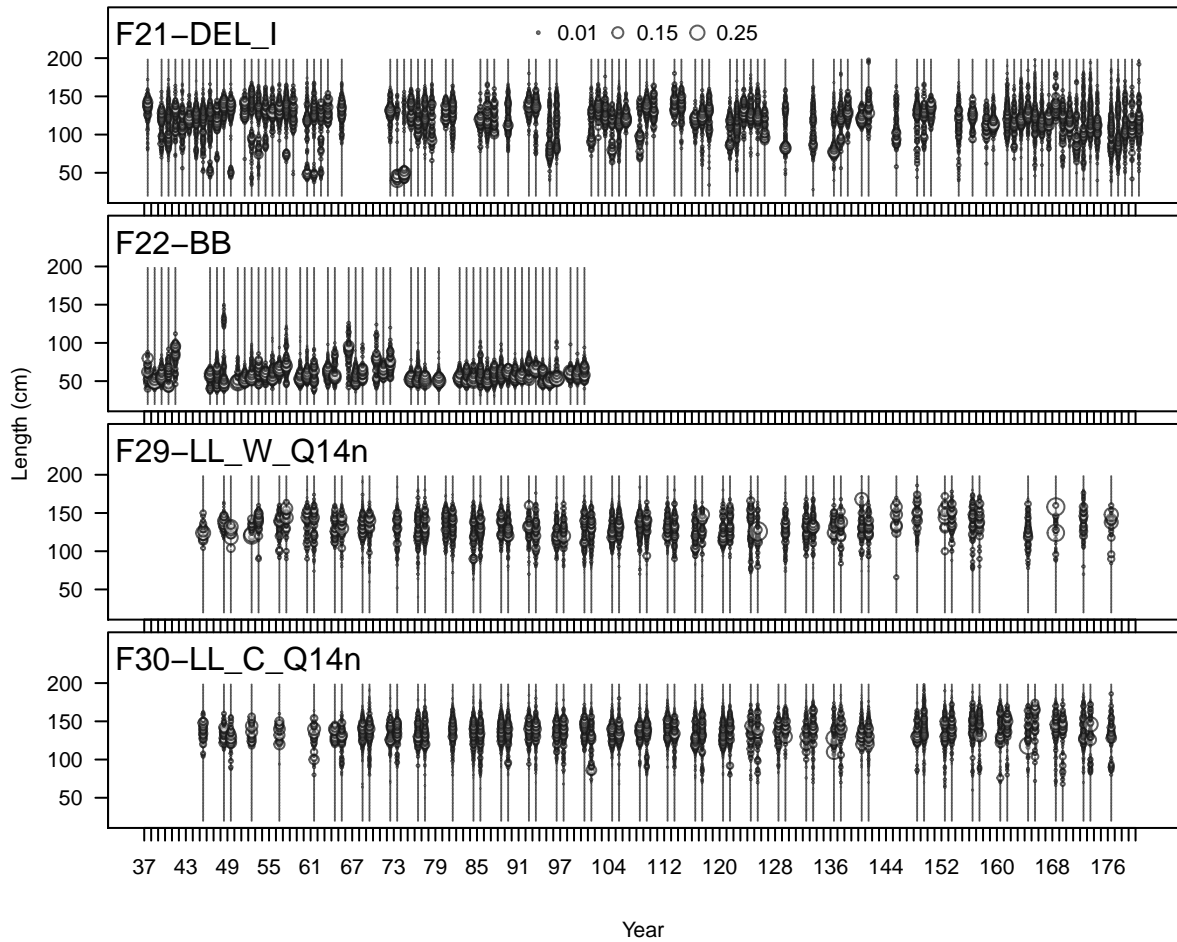


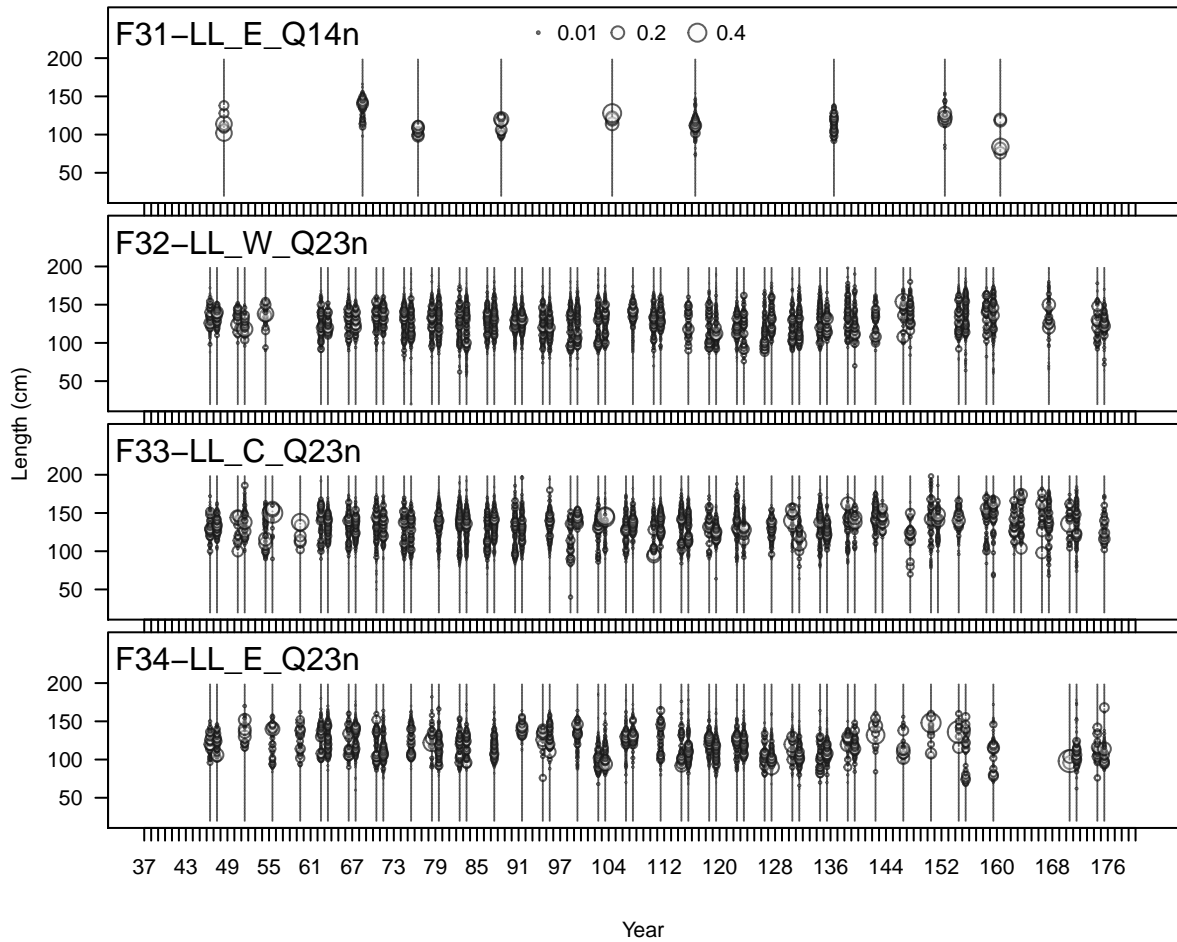


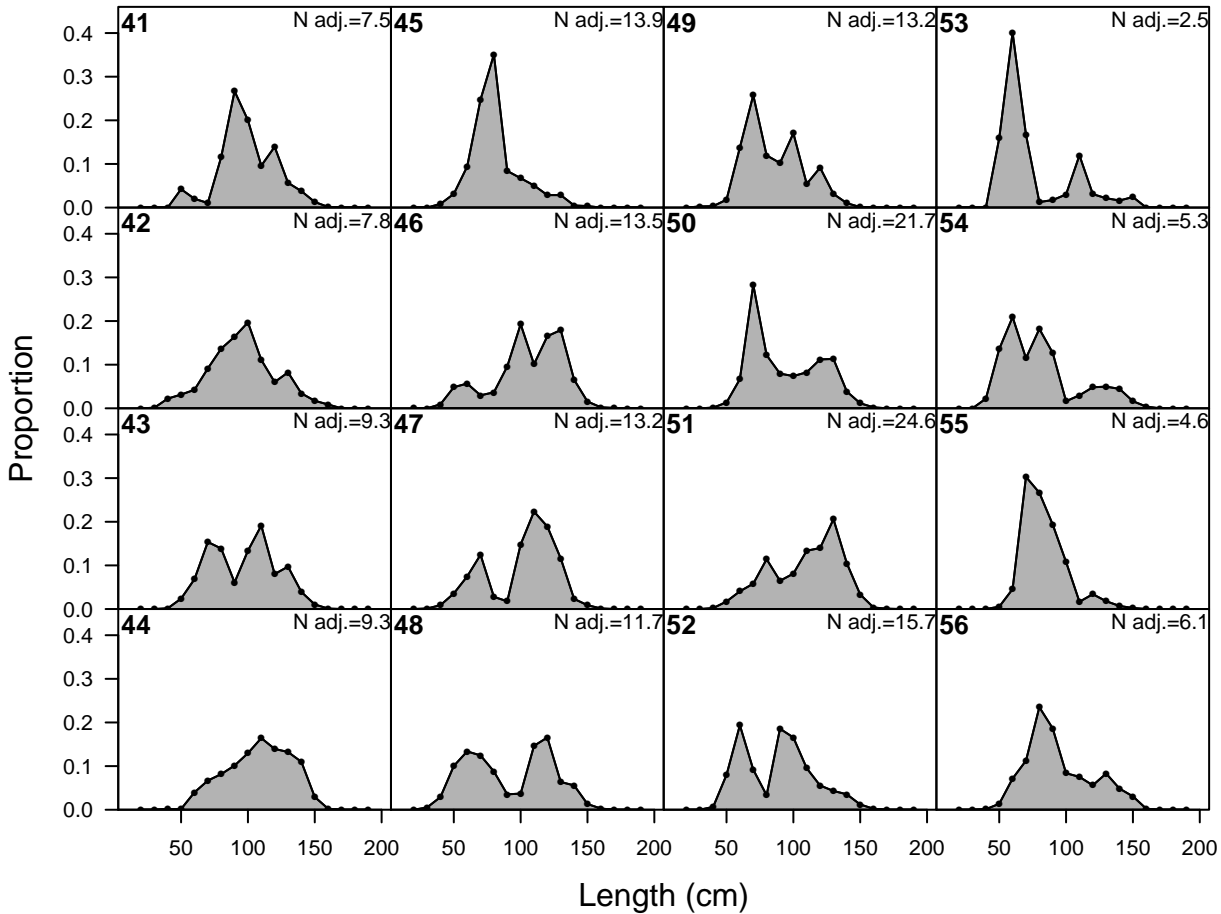


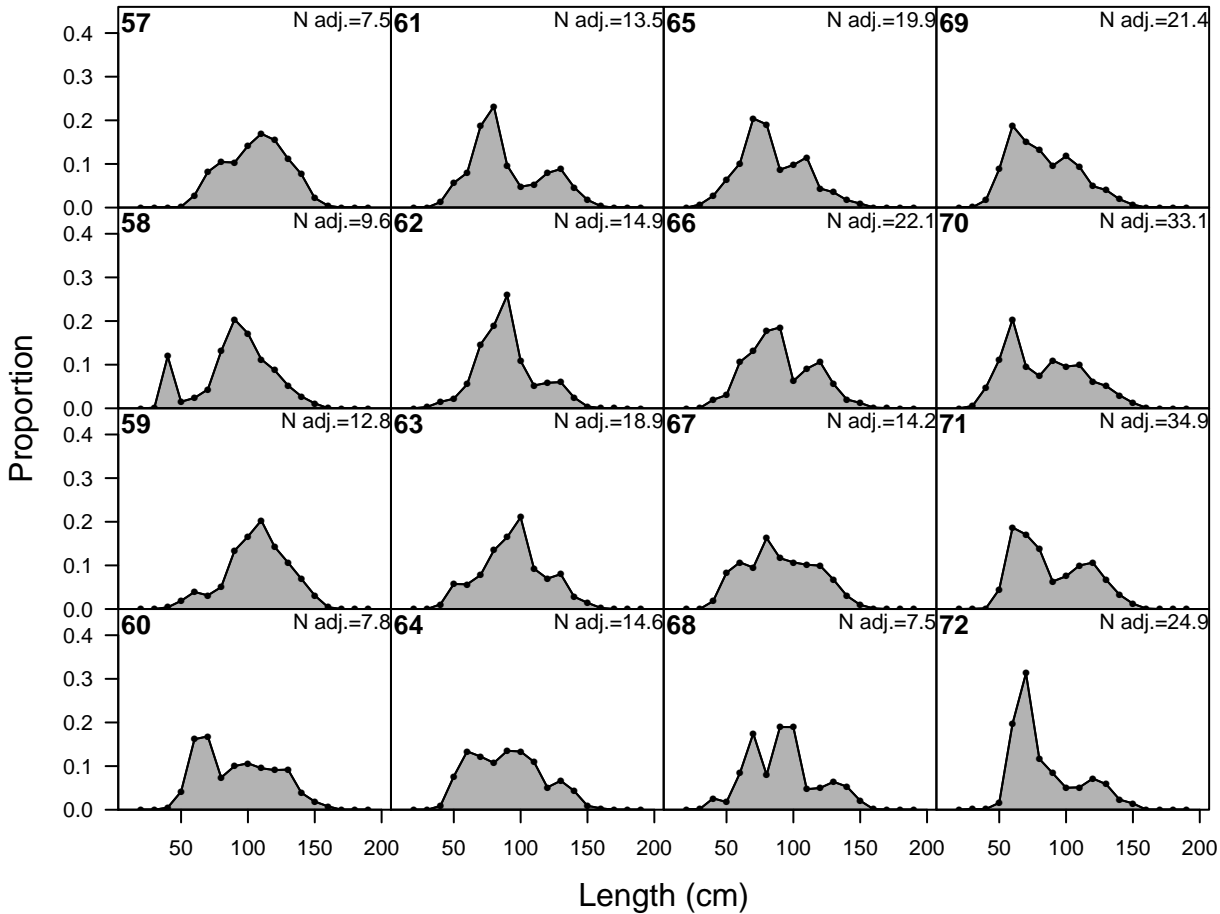


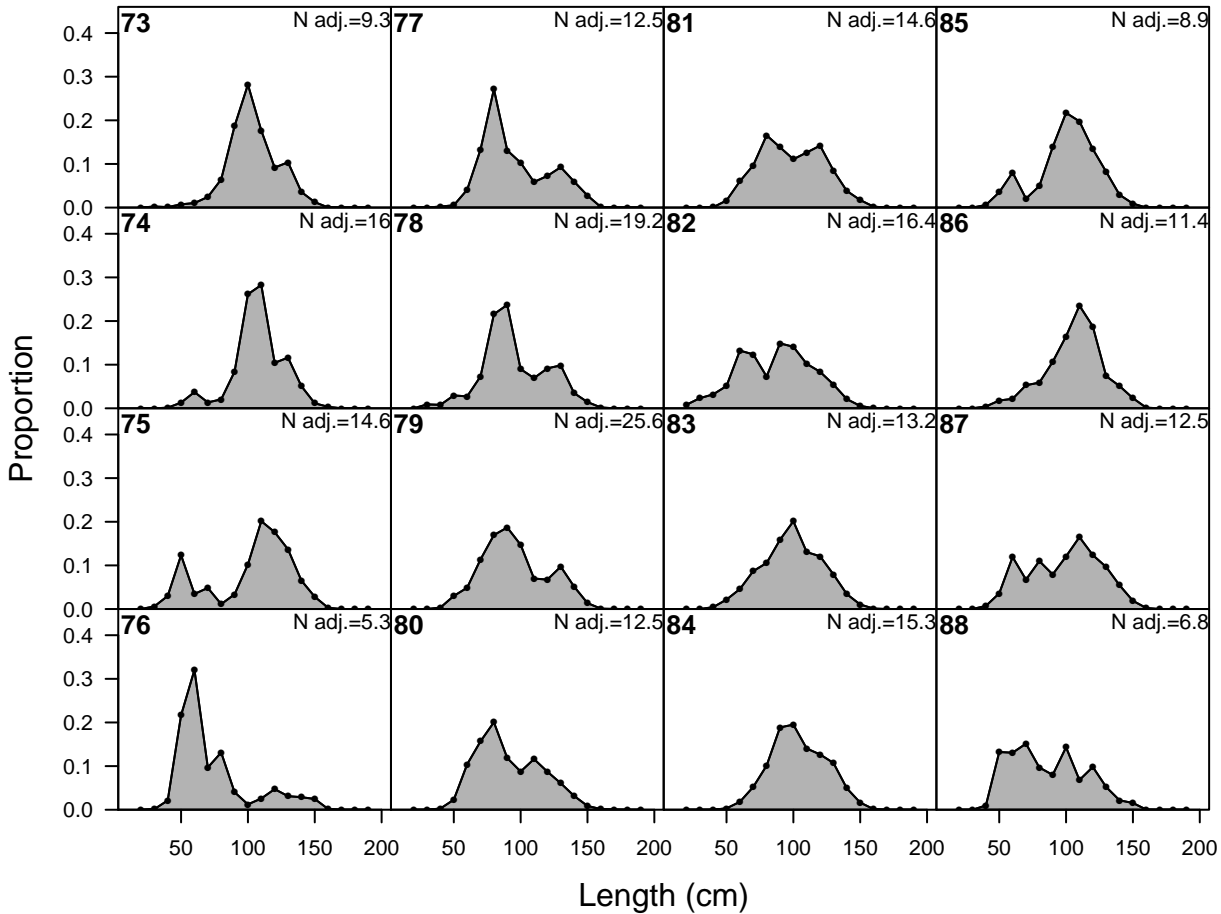


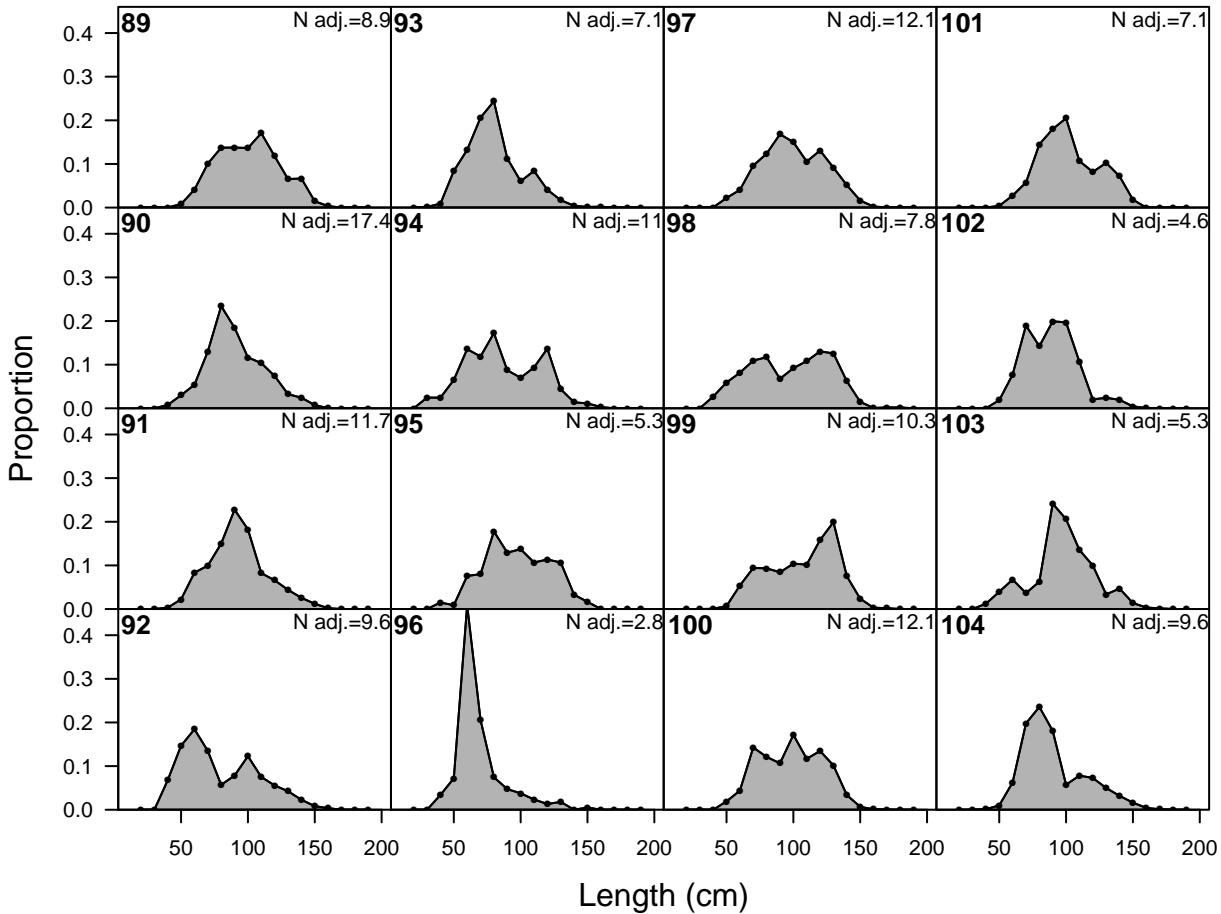


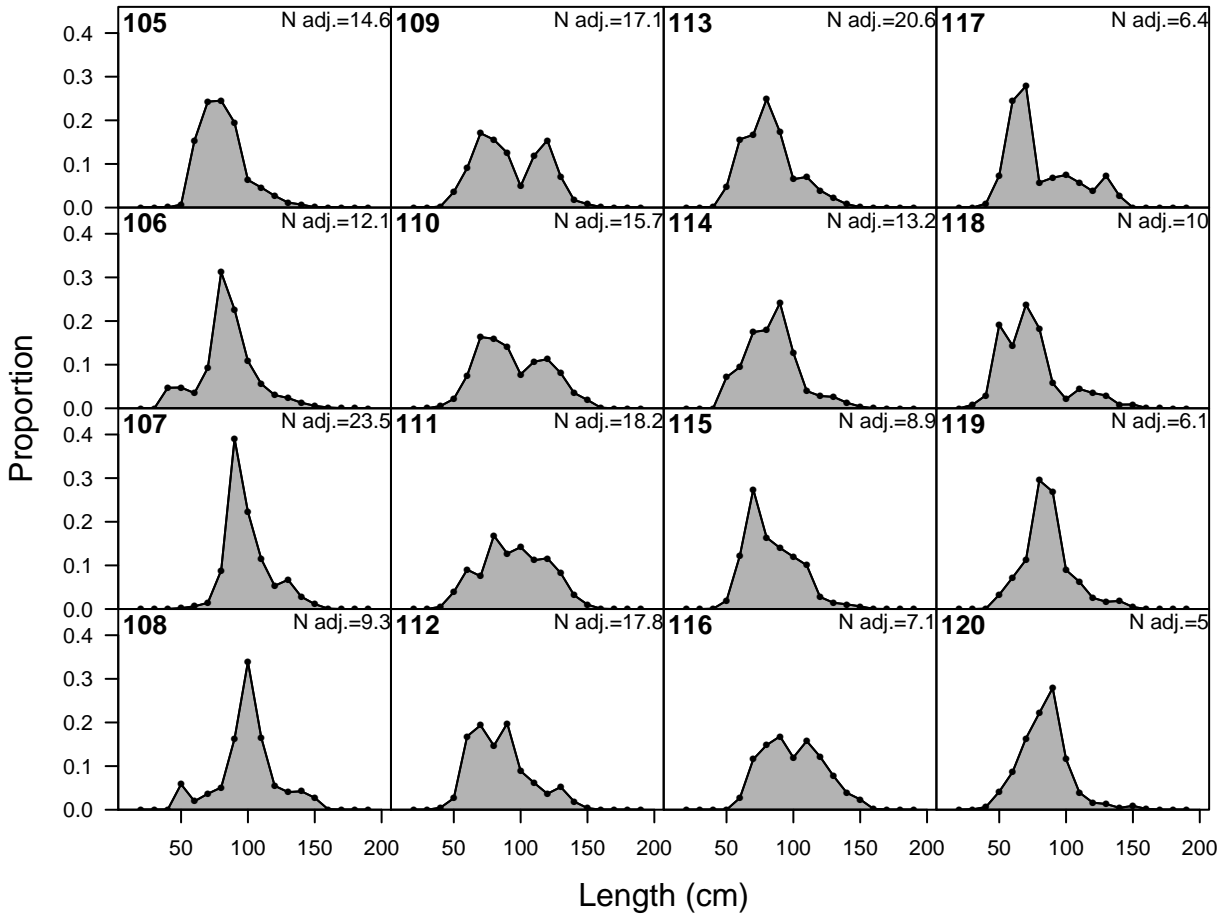


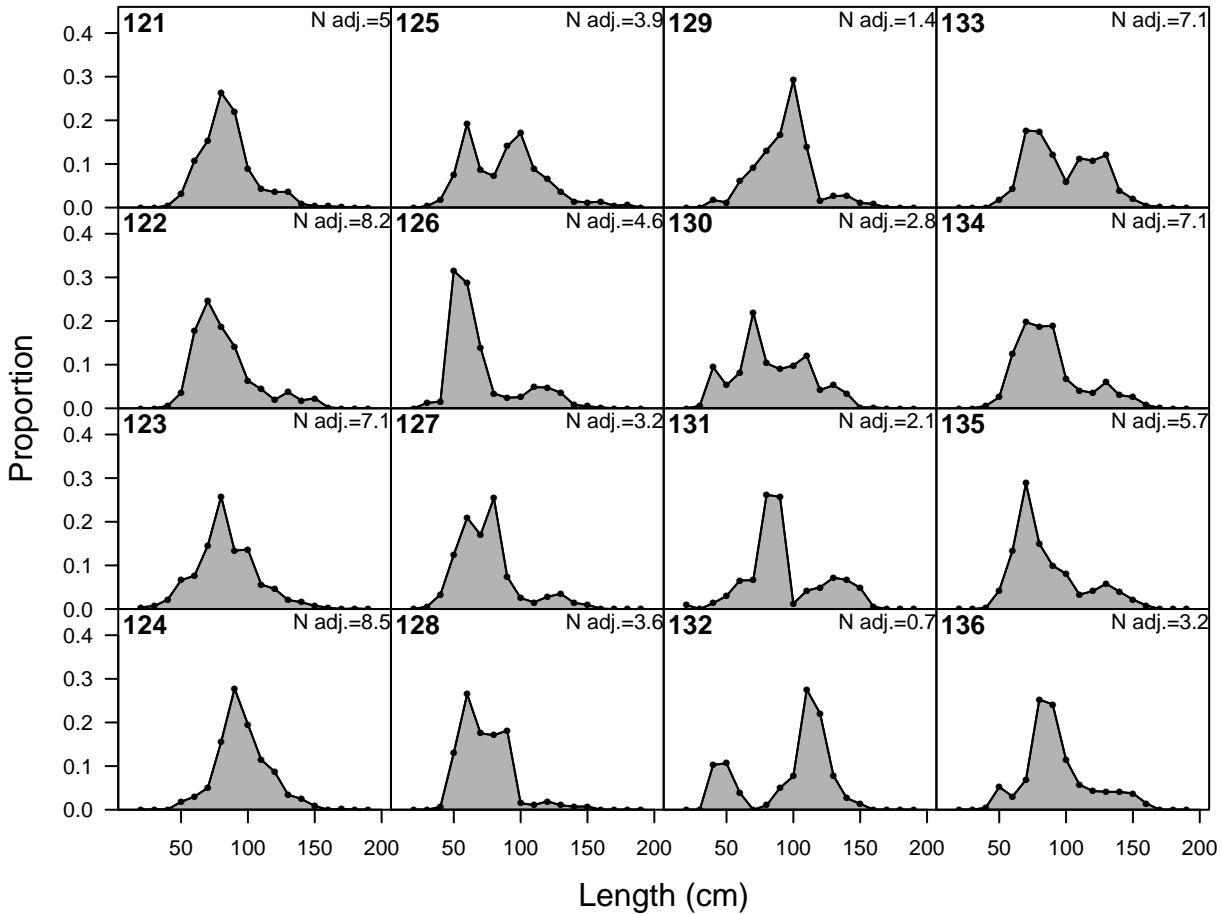


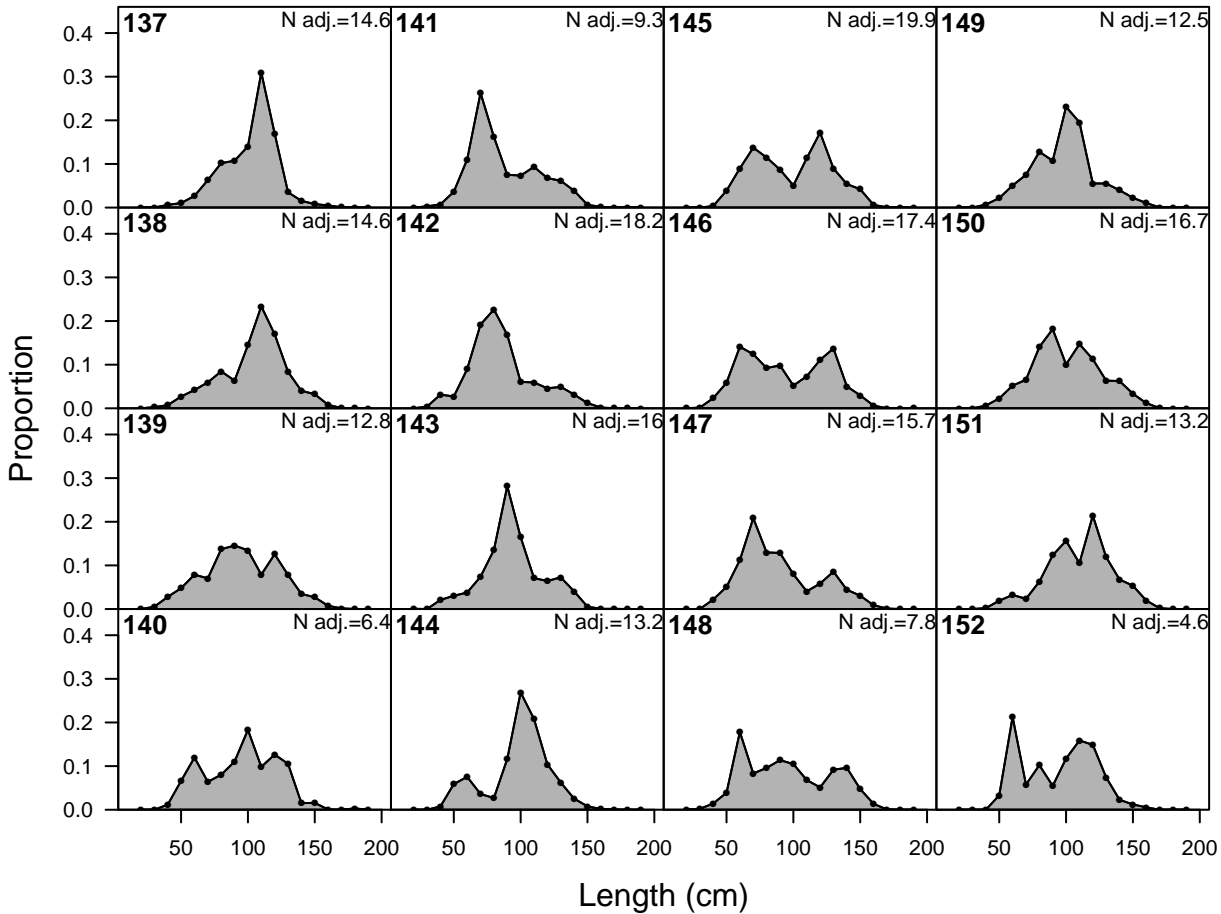


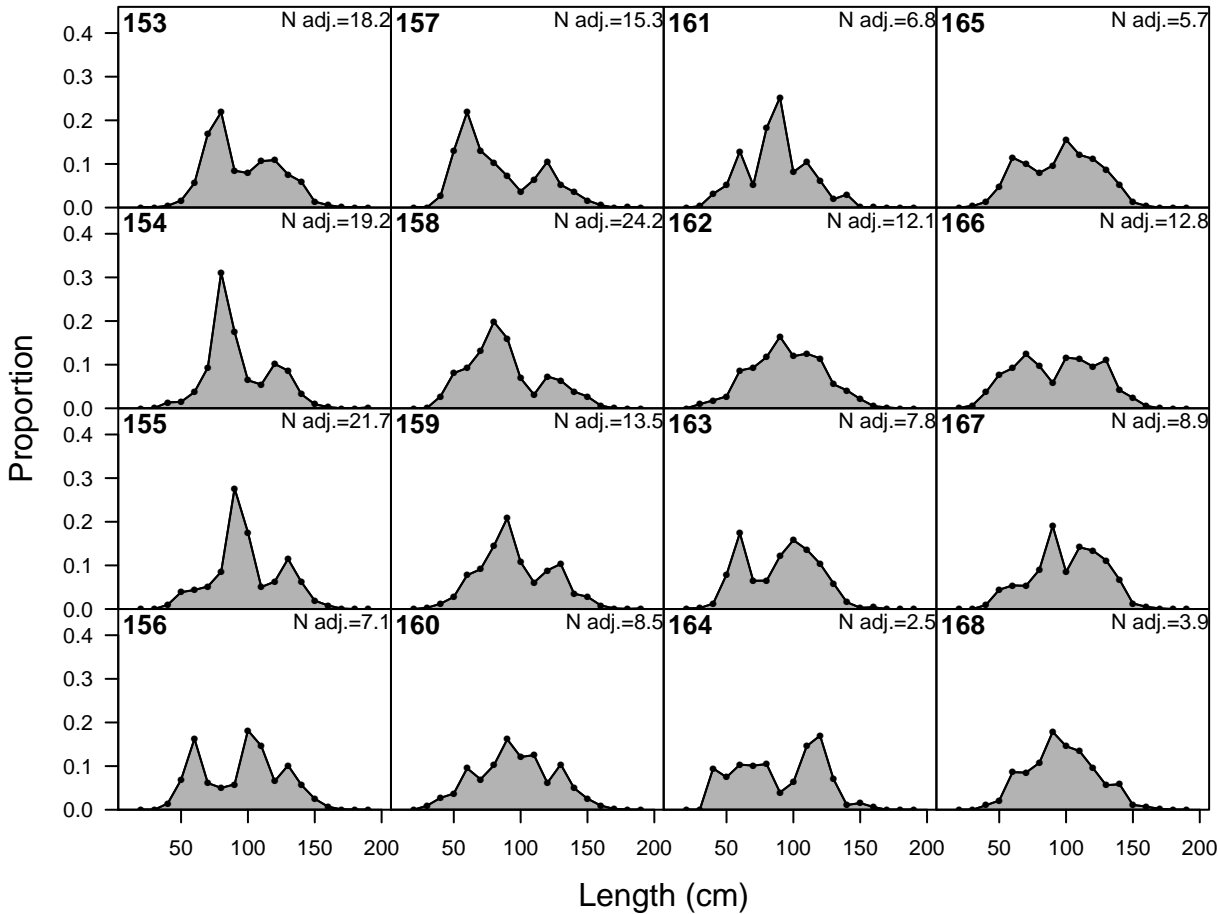


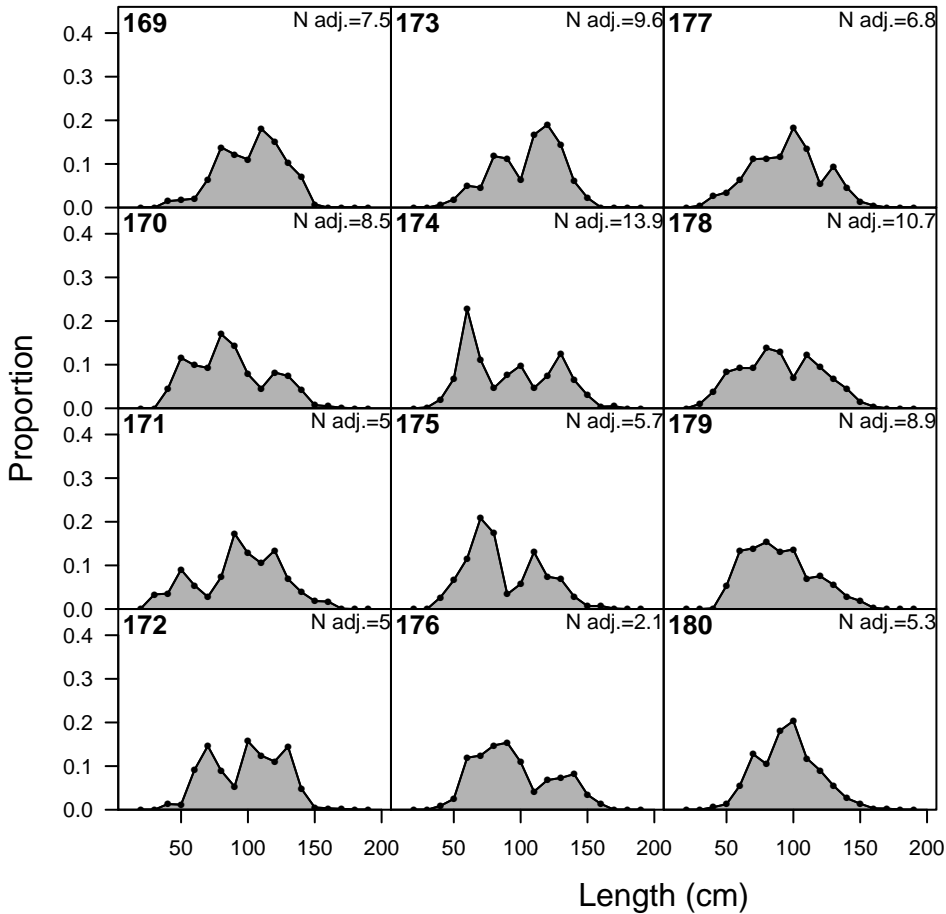


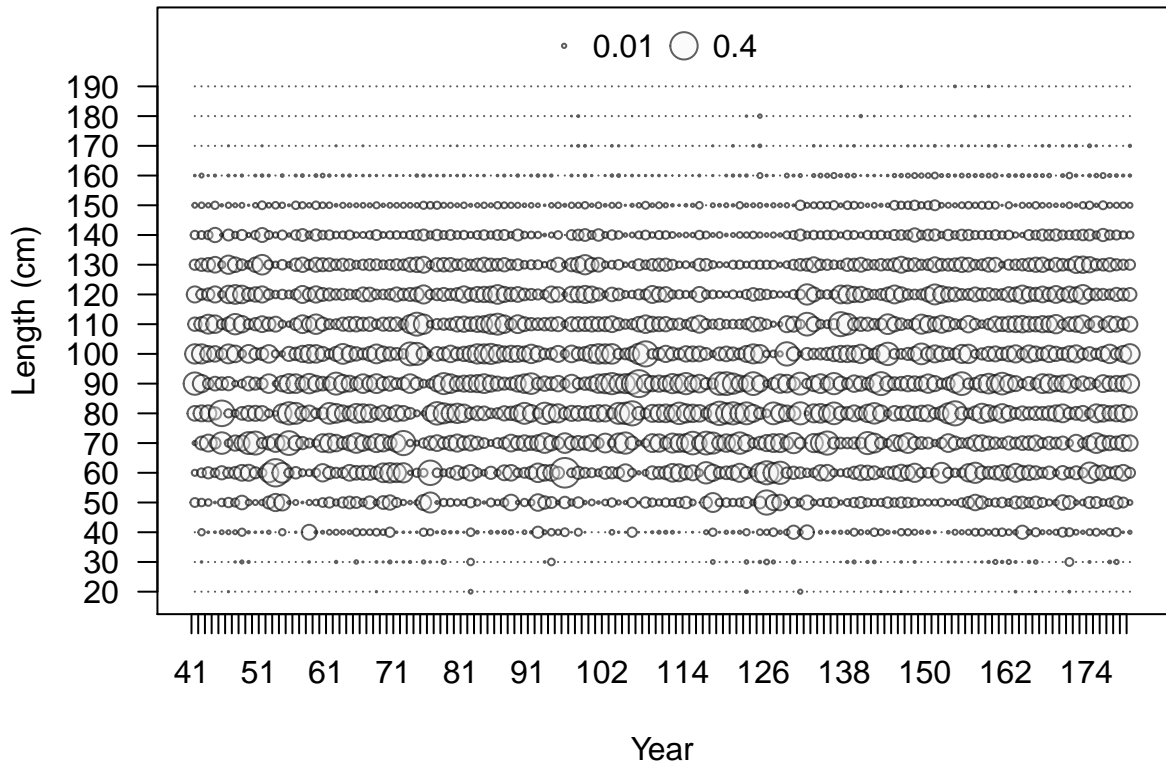




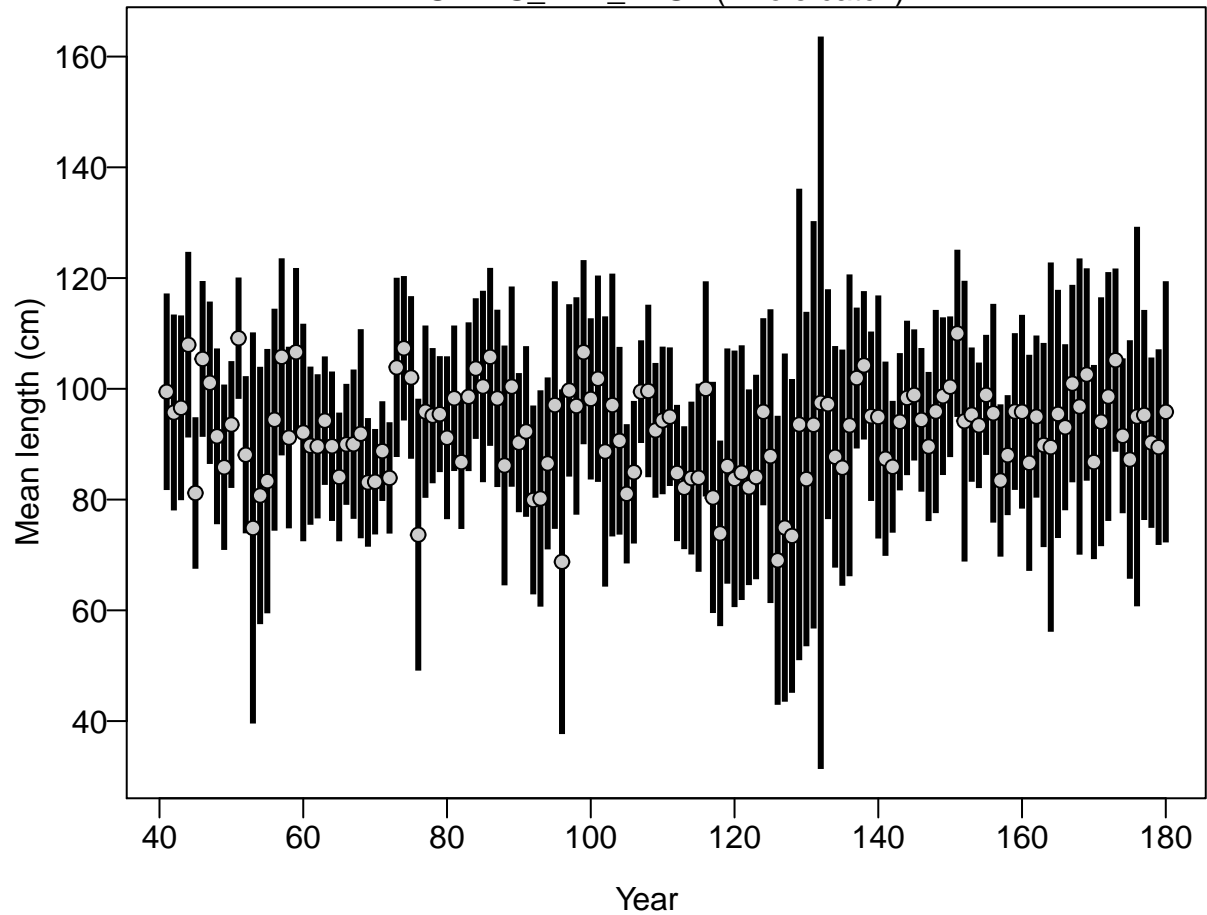






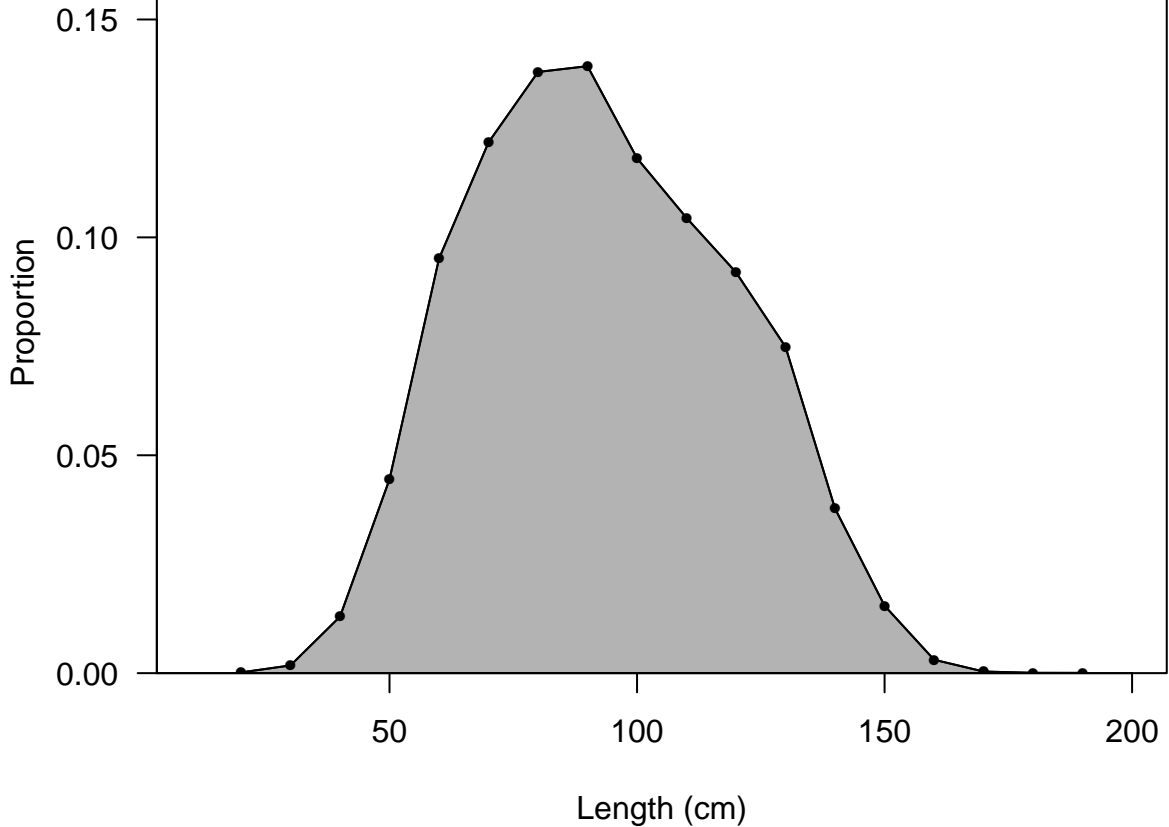


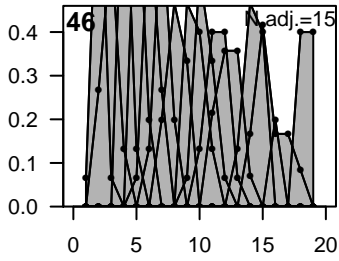
S1-PS_DEL_VAST (whole catch)



S1-PS_DEL_VAST

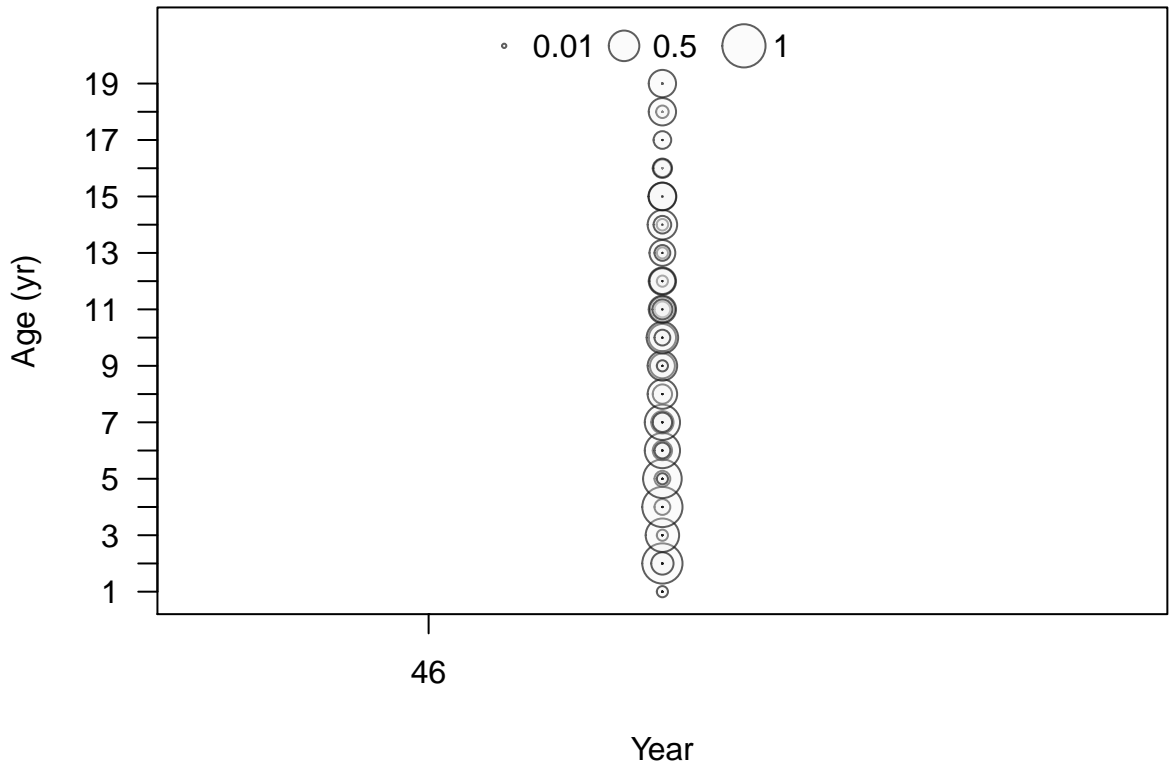
Sum of N adj.=1584.1





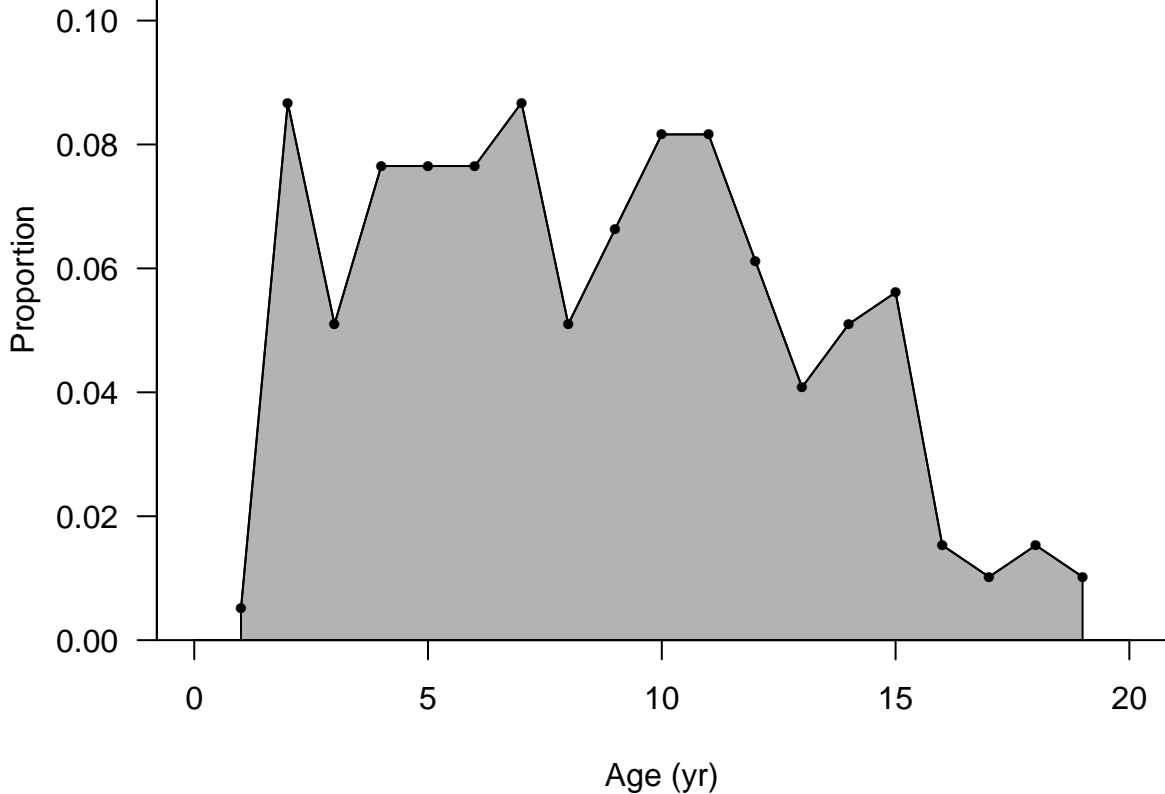
Proportion

Age (yr)



F18-DEL_C

Sum of N adj.=196



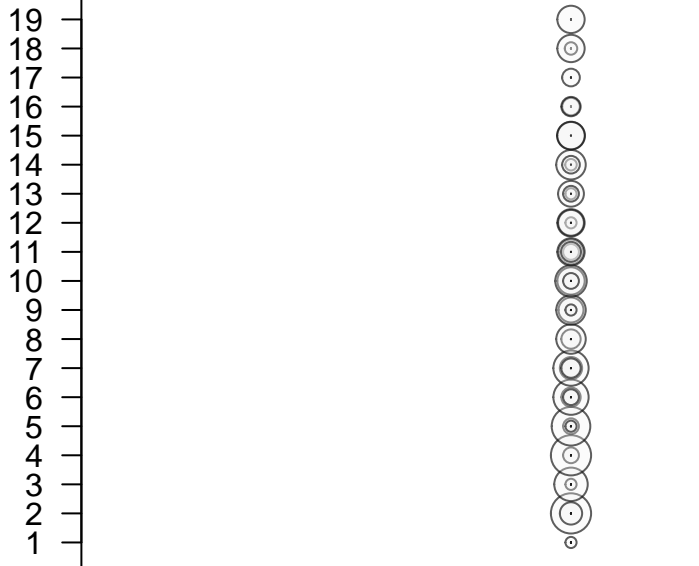
F18-DEL_C ◦ 0.01 ○ 0.5 ○ 1

Age (yr)

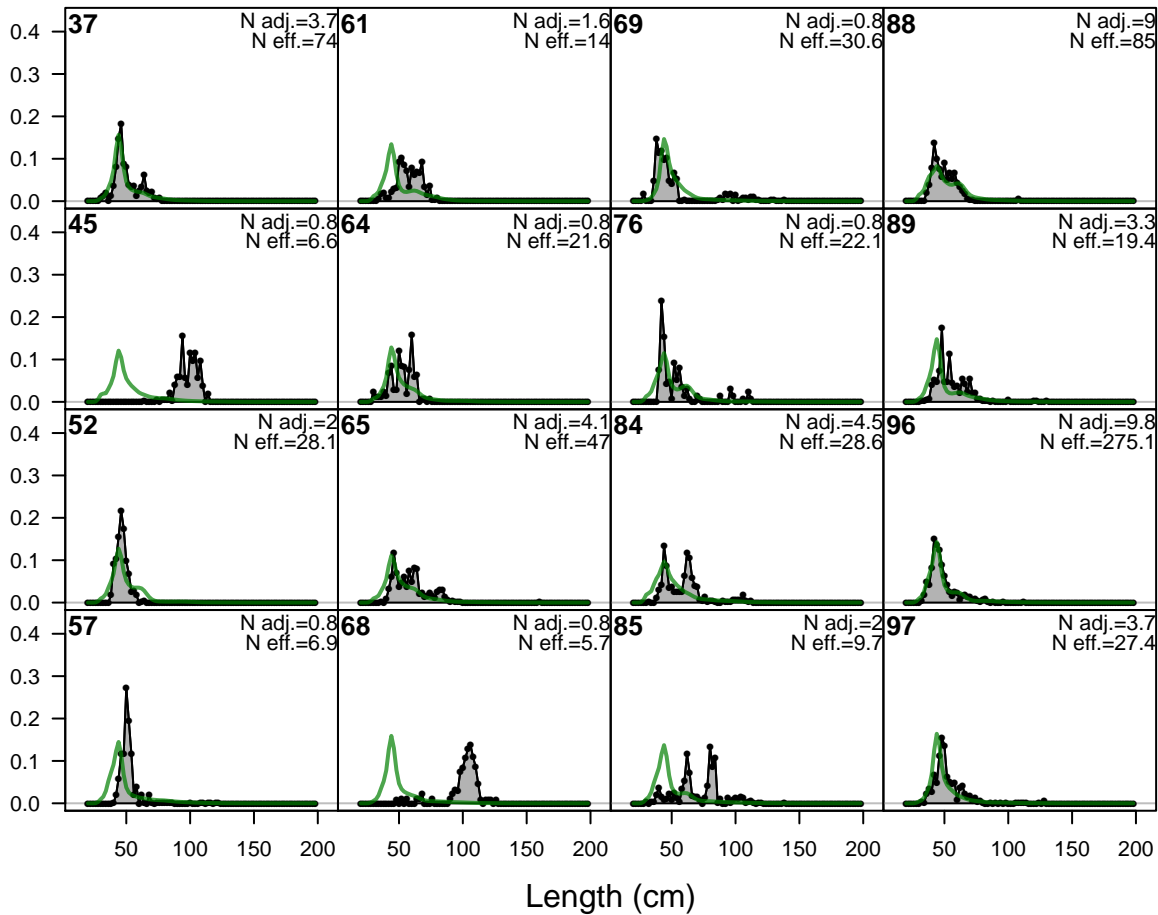
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

46

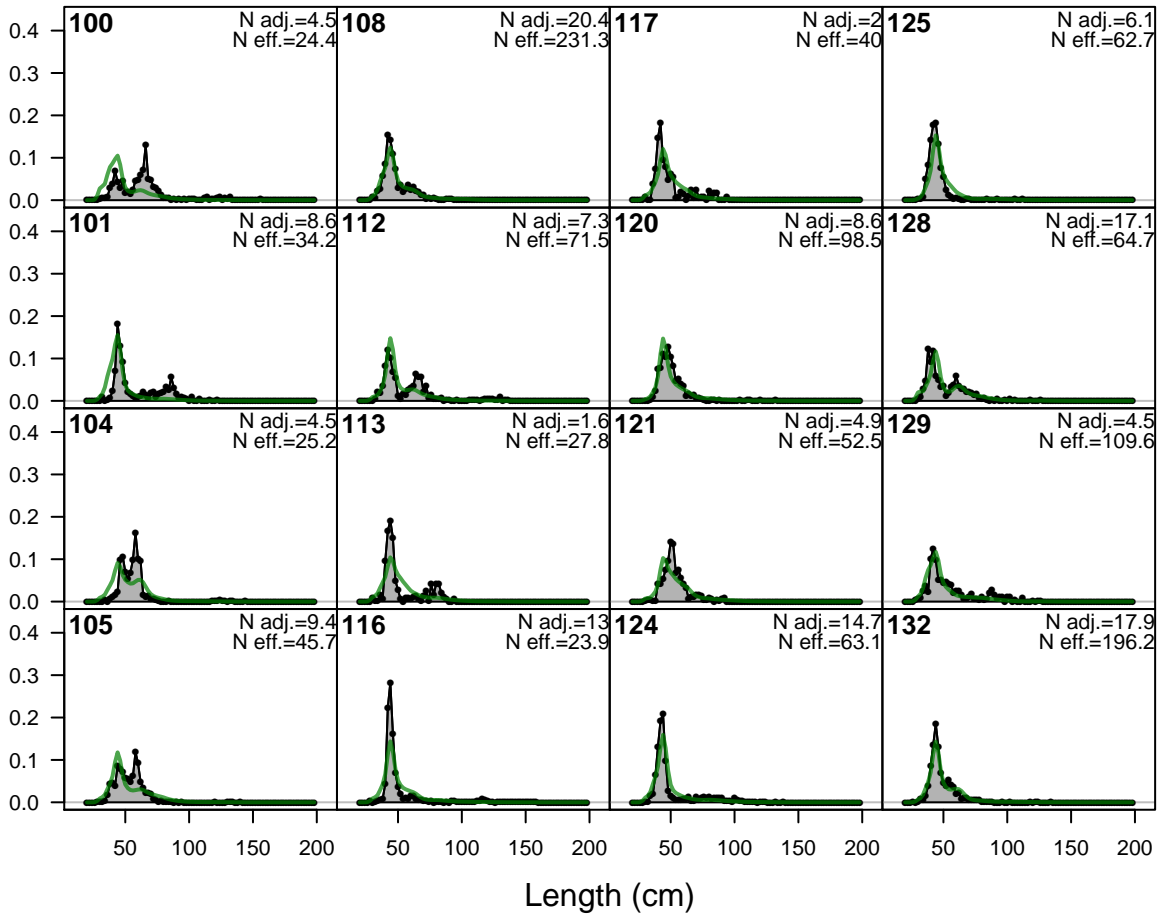
Year



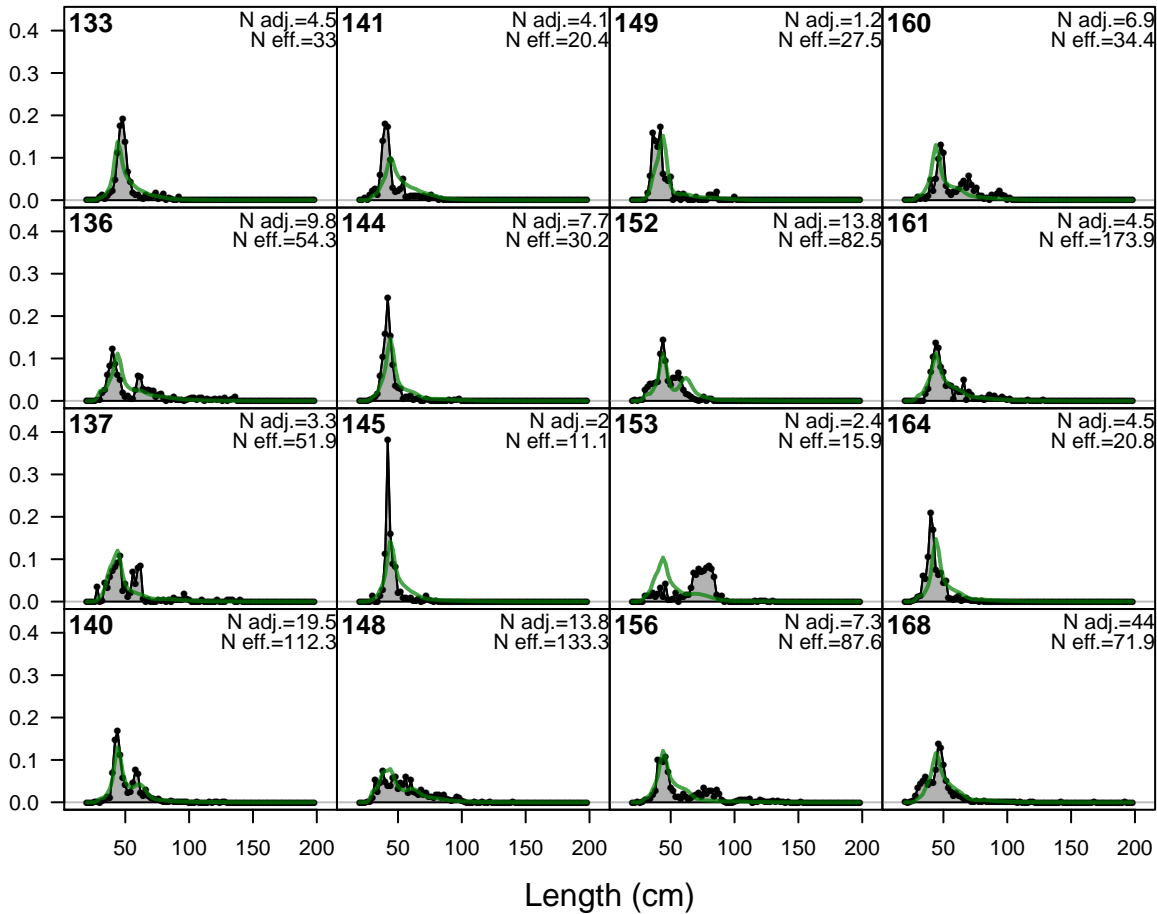
Proportion



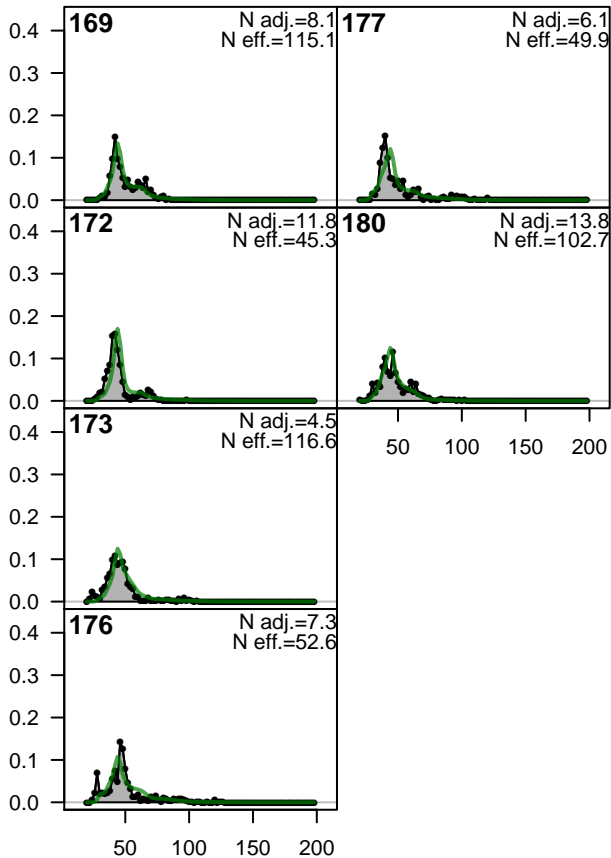
Proportion



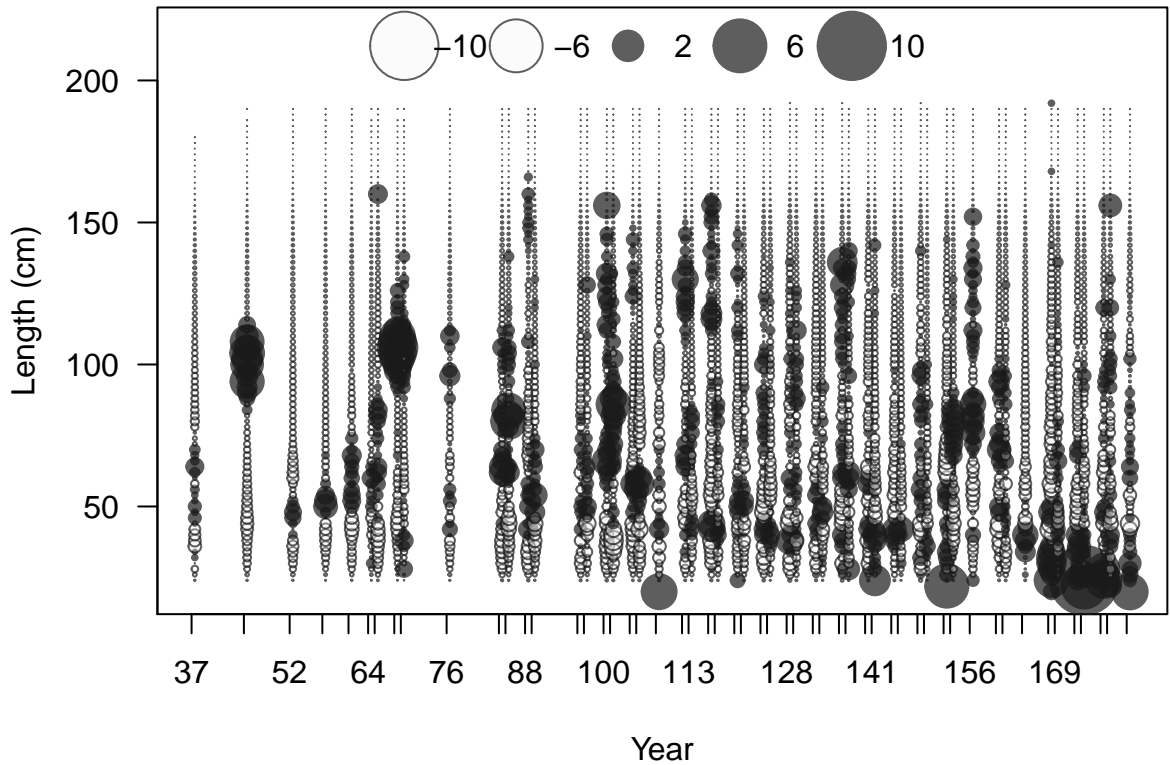
Proportion

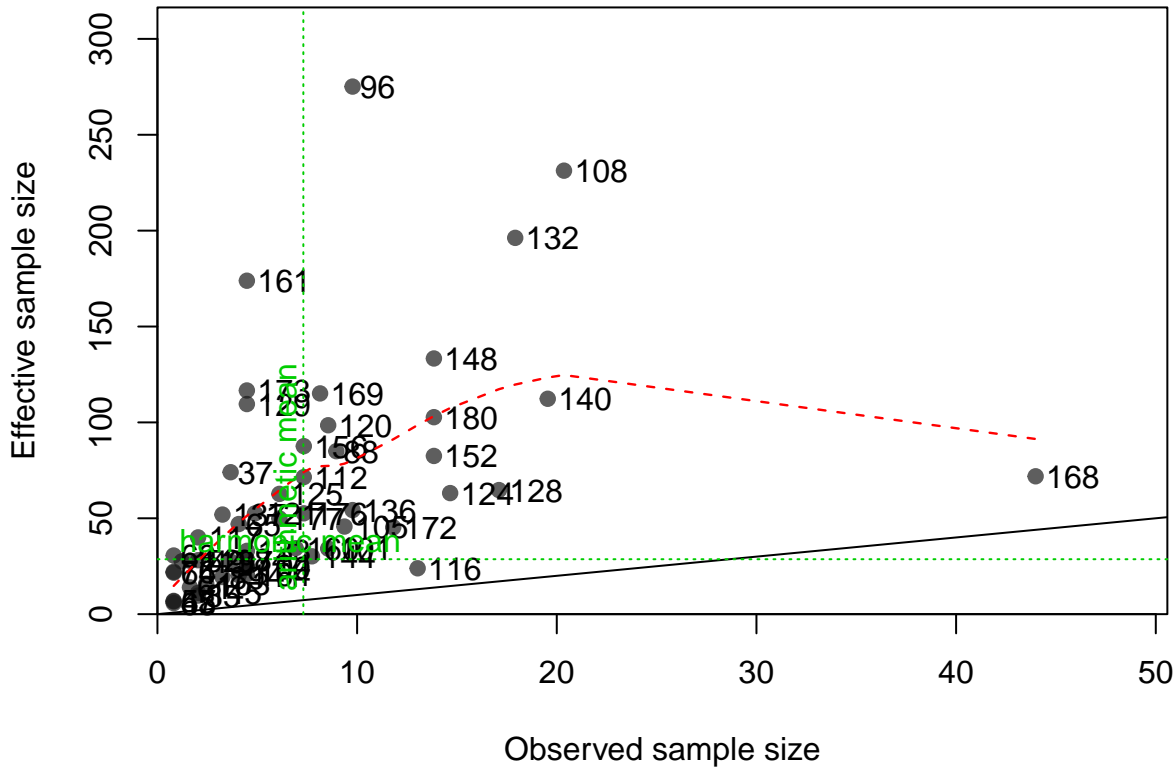


Proportion

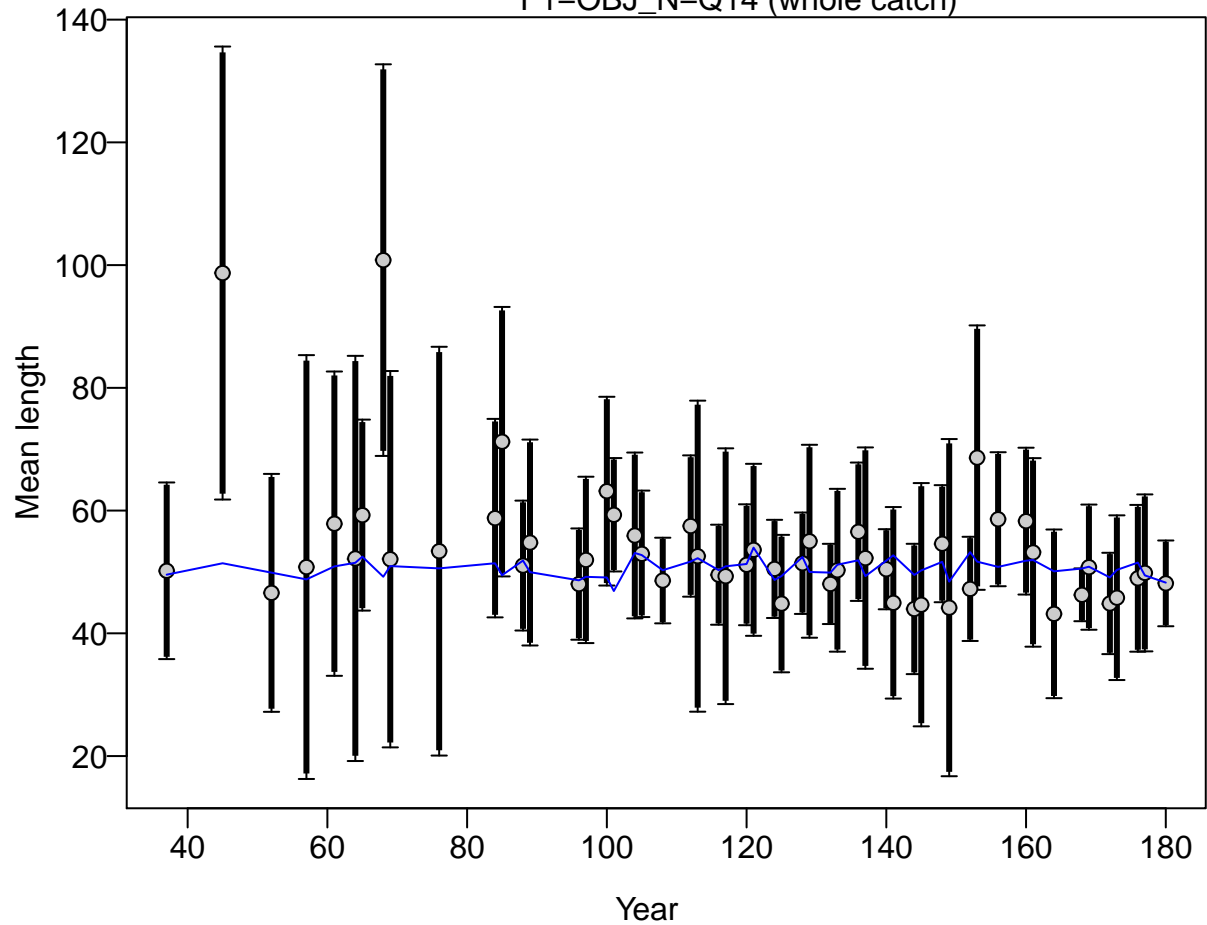


Length (cm)

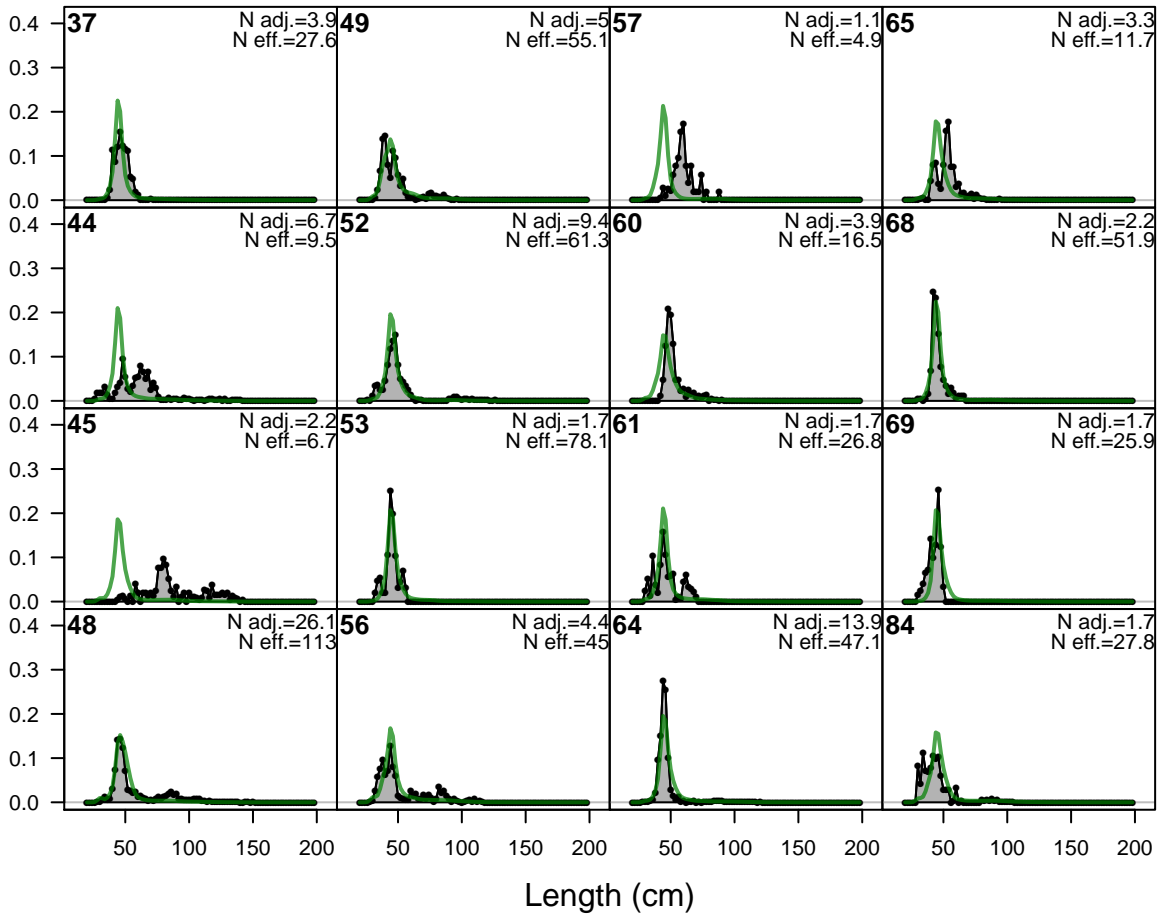




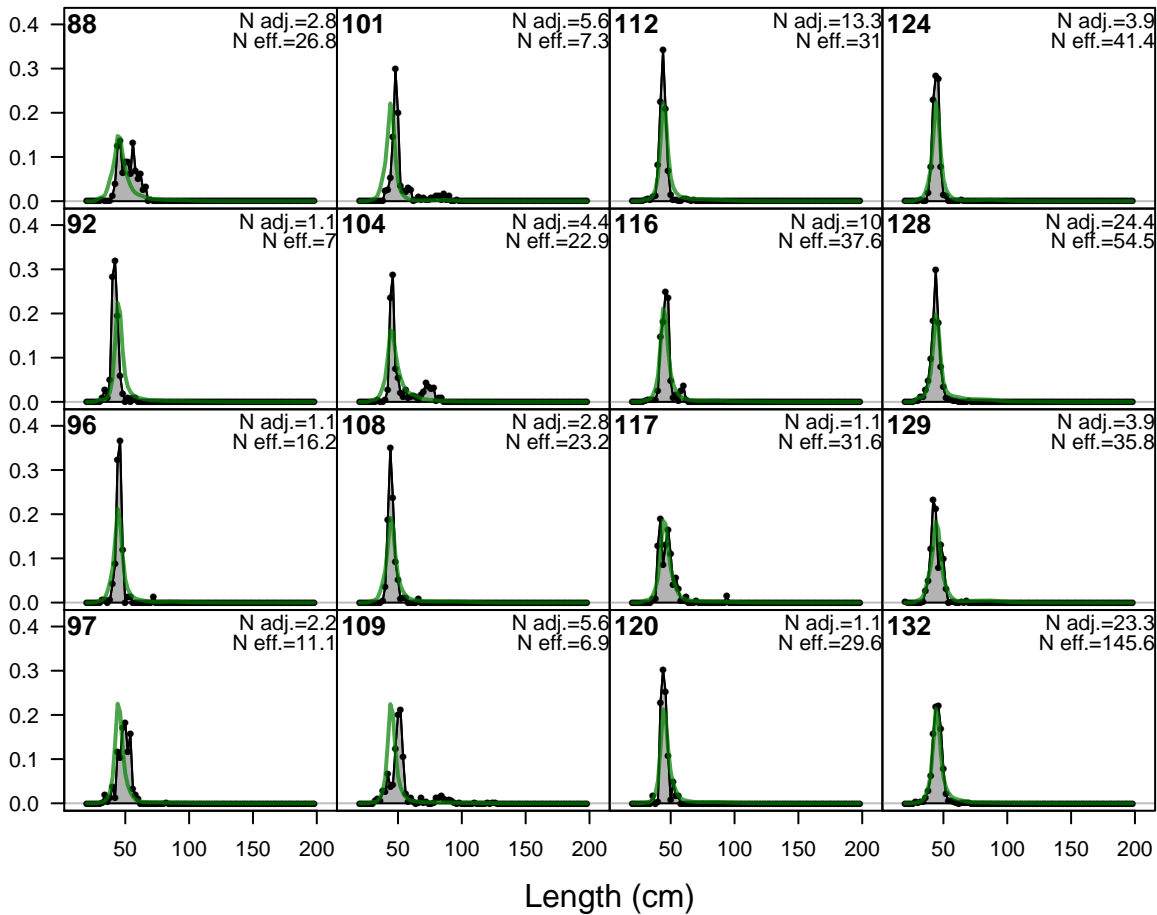
F1-OBJ_N-Q14 (whole catch)



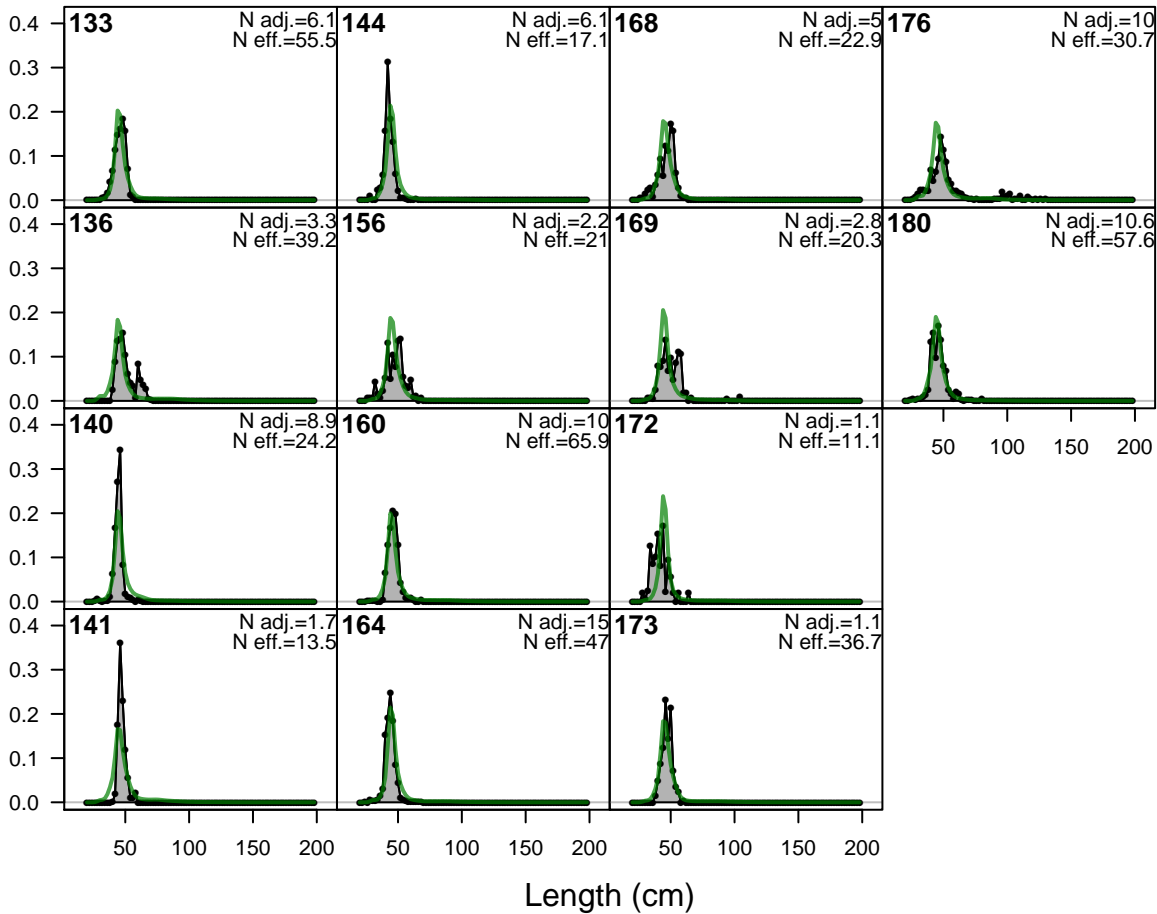
Proportion

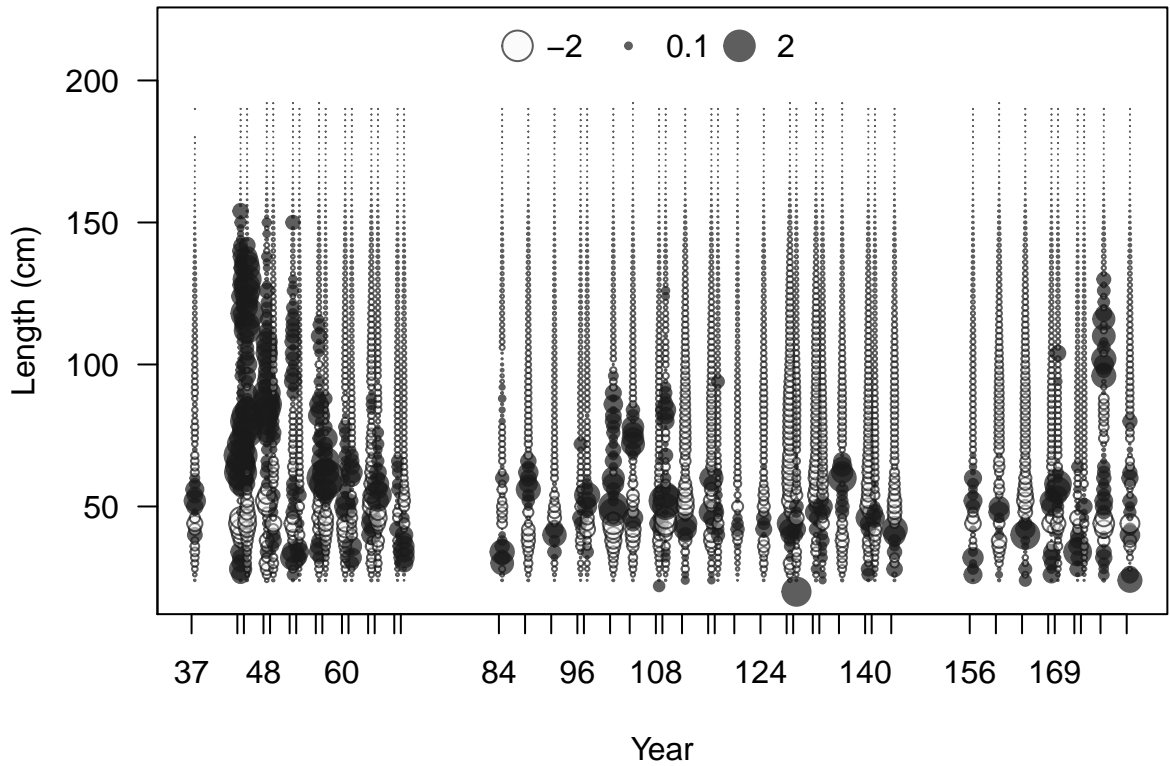


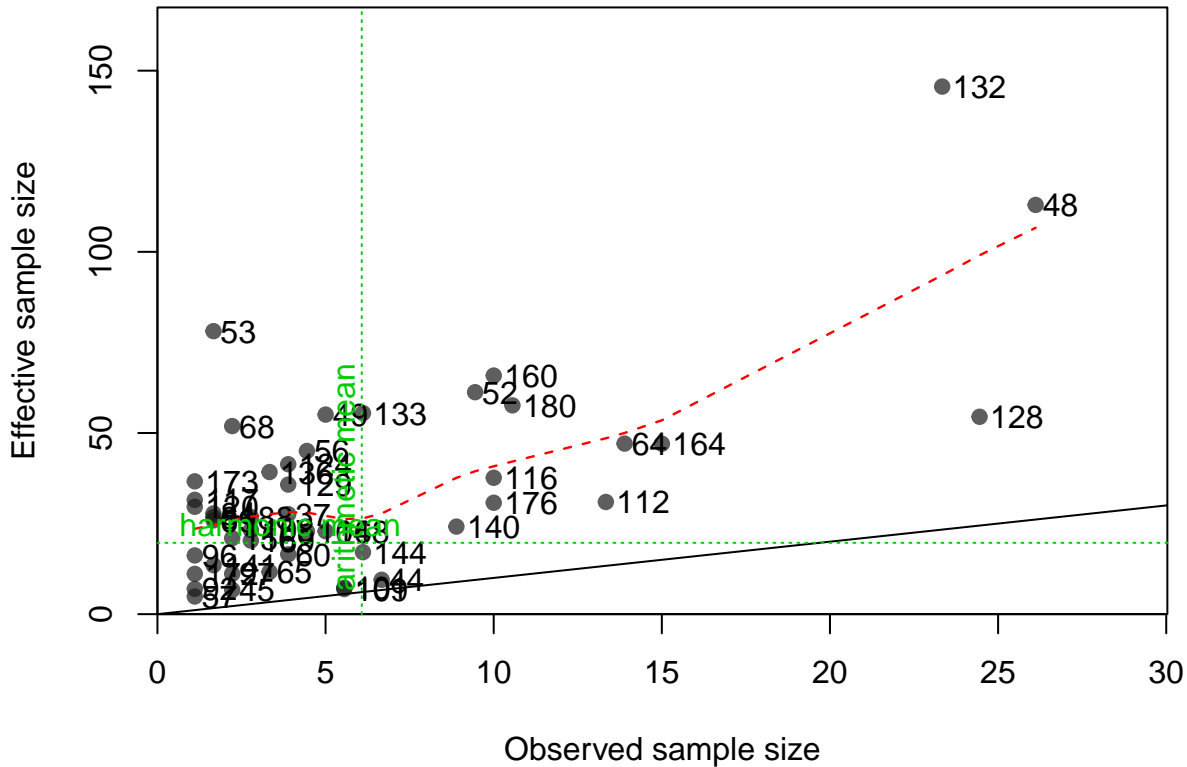
Proportion



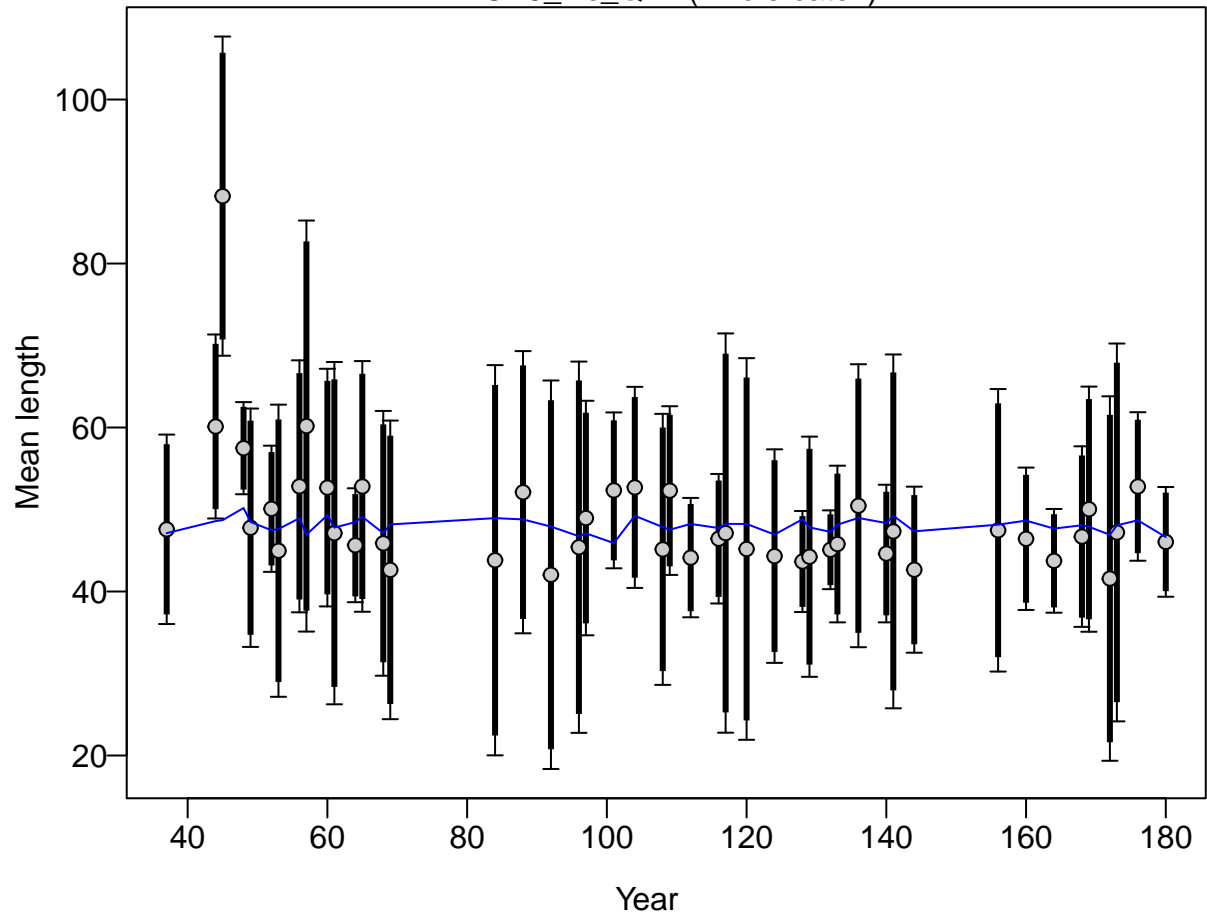
Proportion



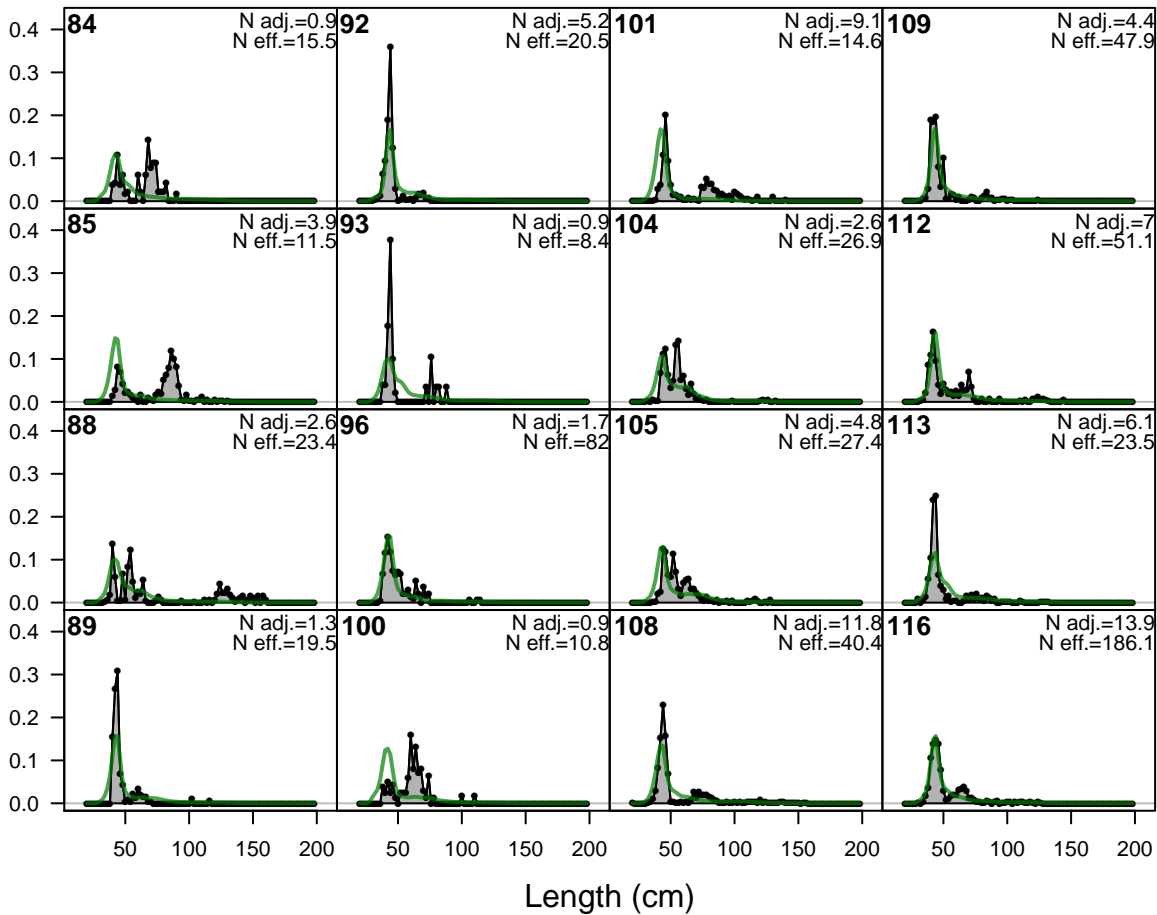




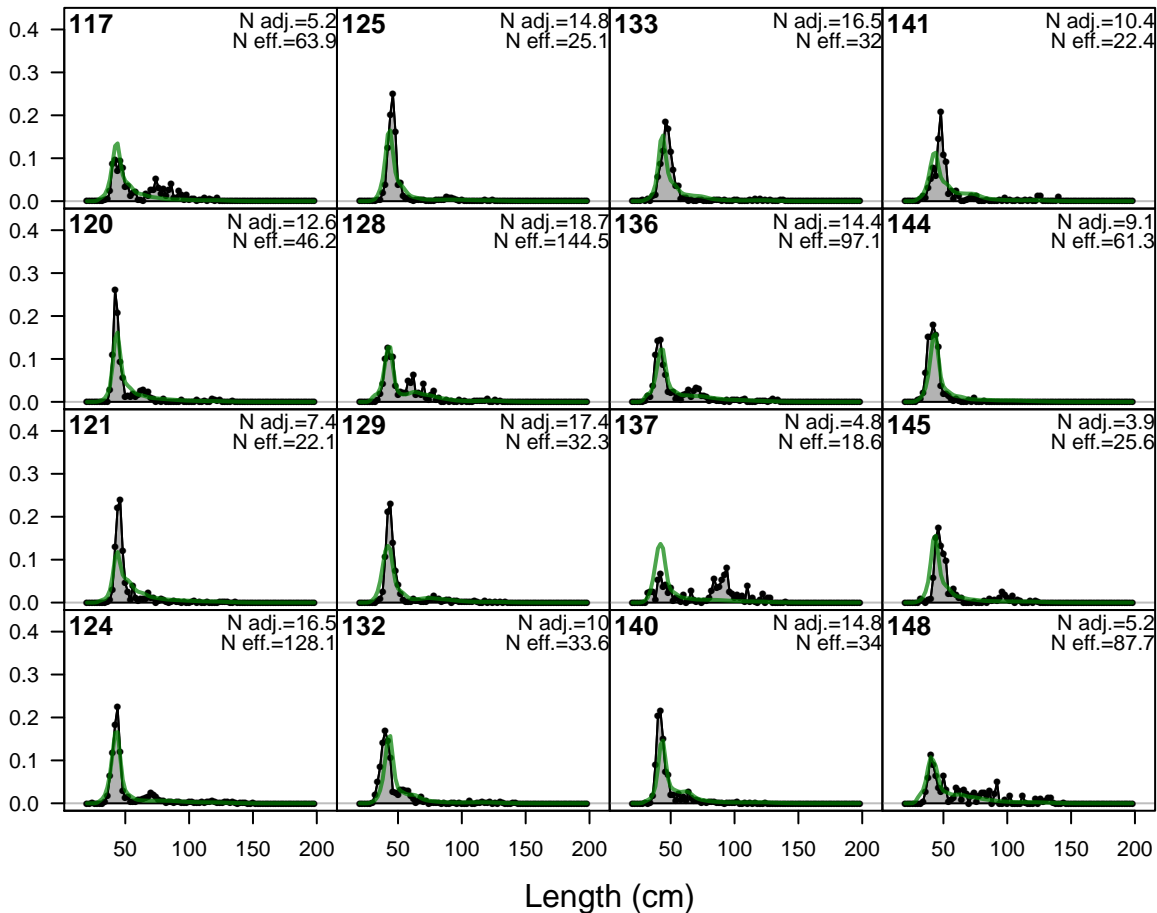
F2-OBJ_Nc_Q14 (whole catch)



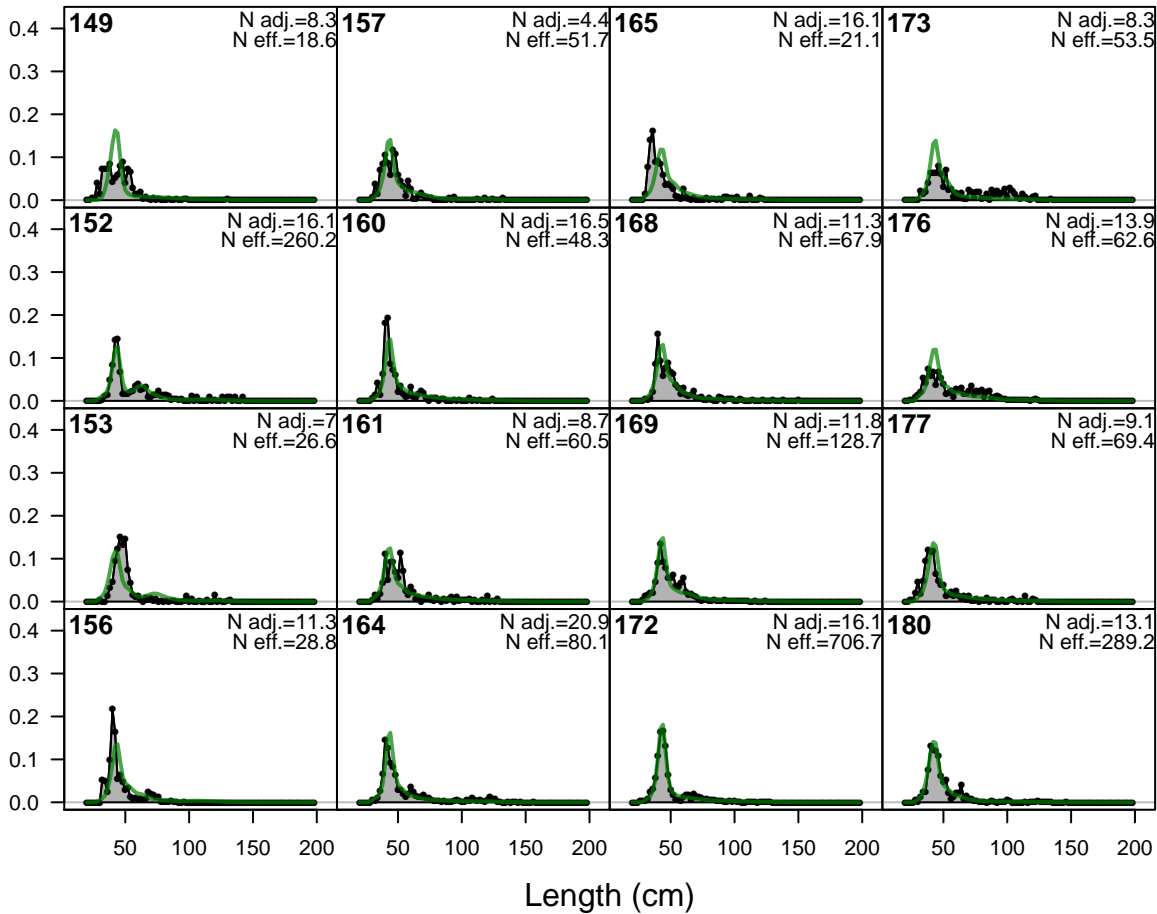
Proportion

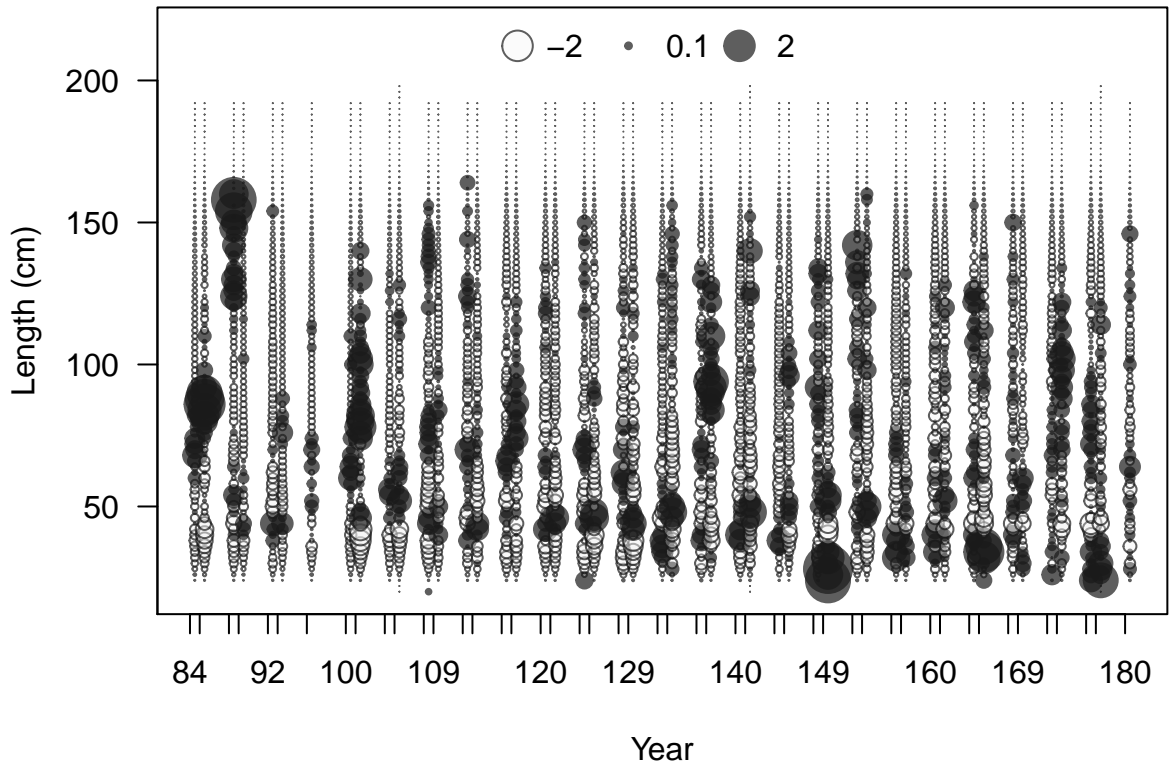


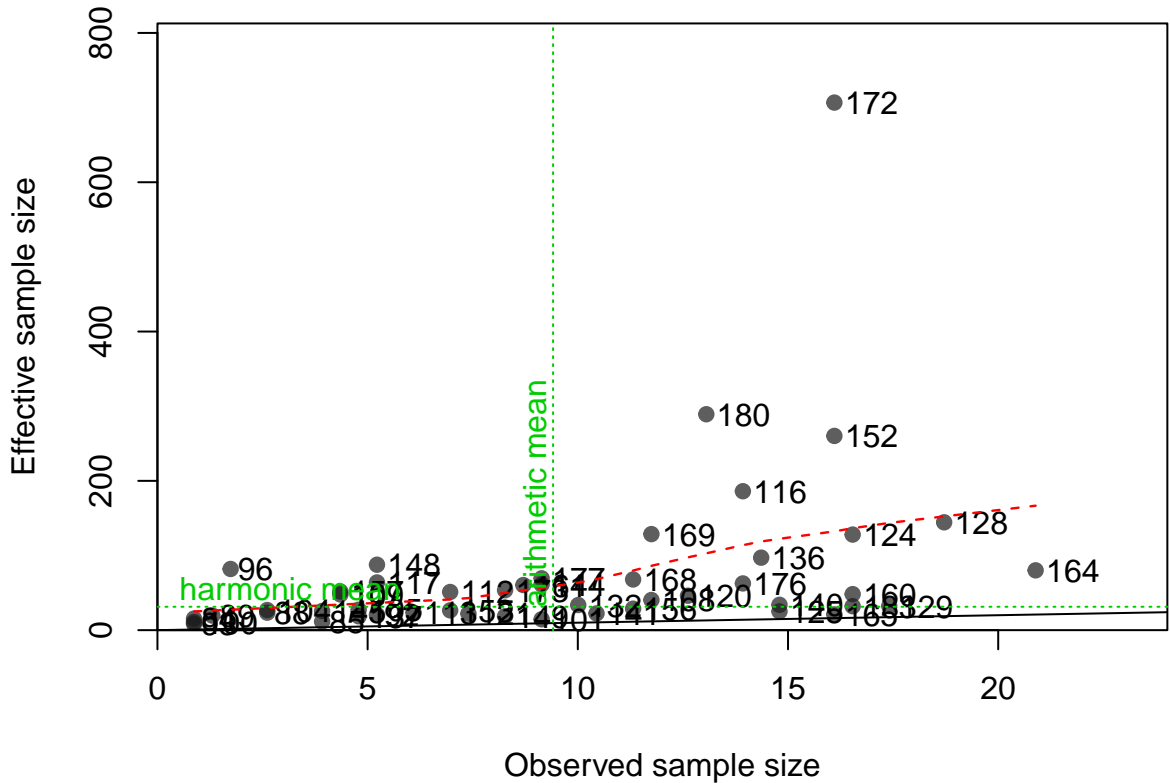
Proportion



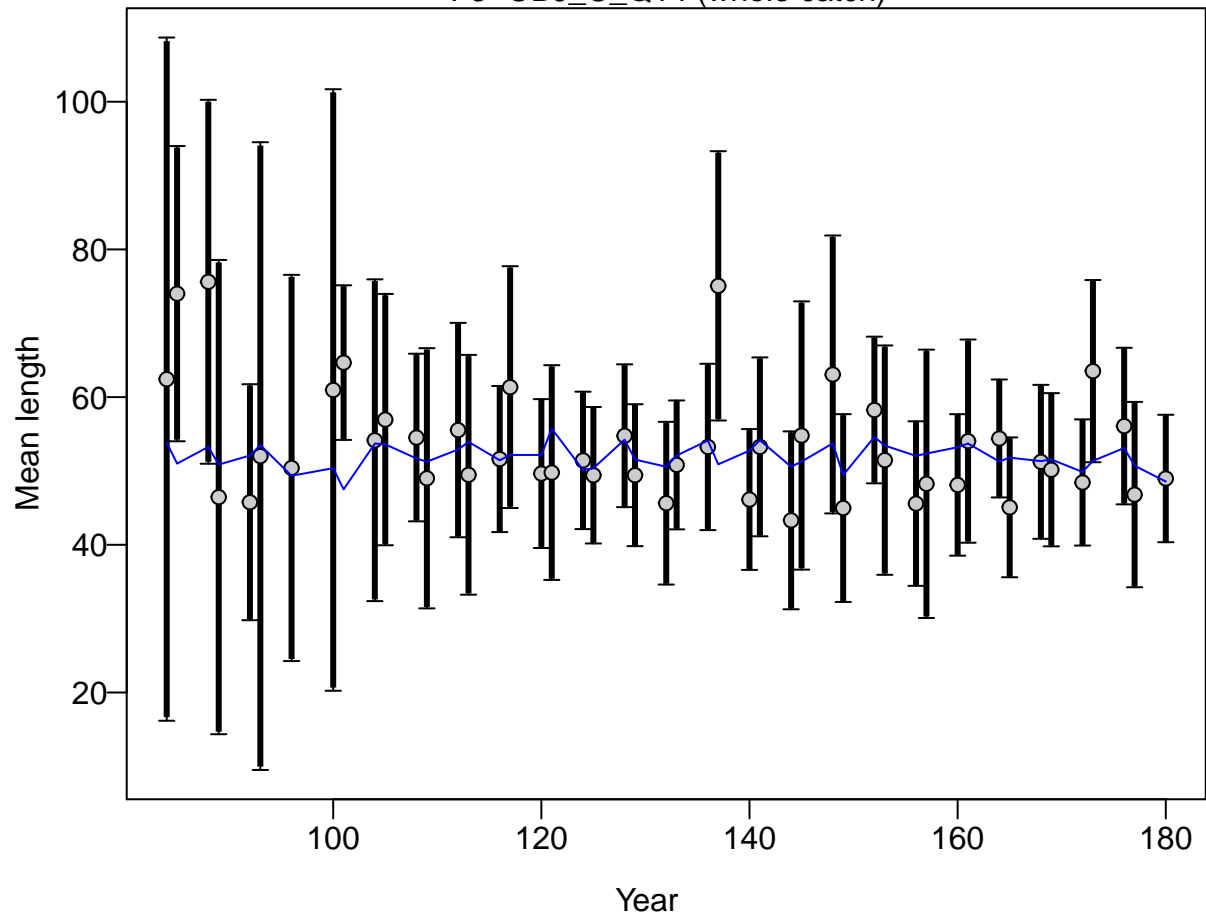
Proportion

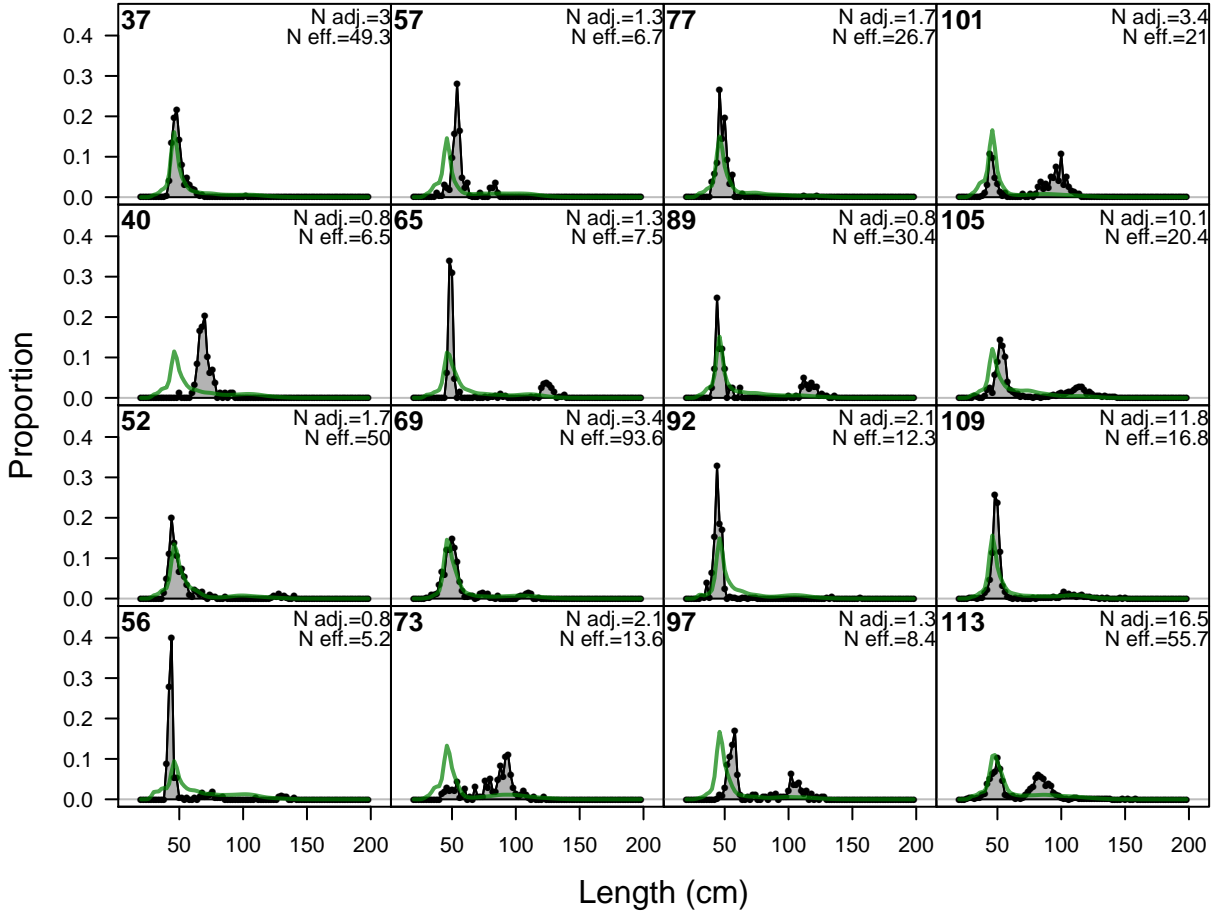




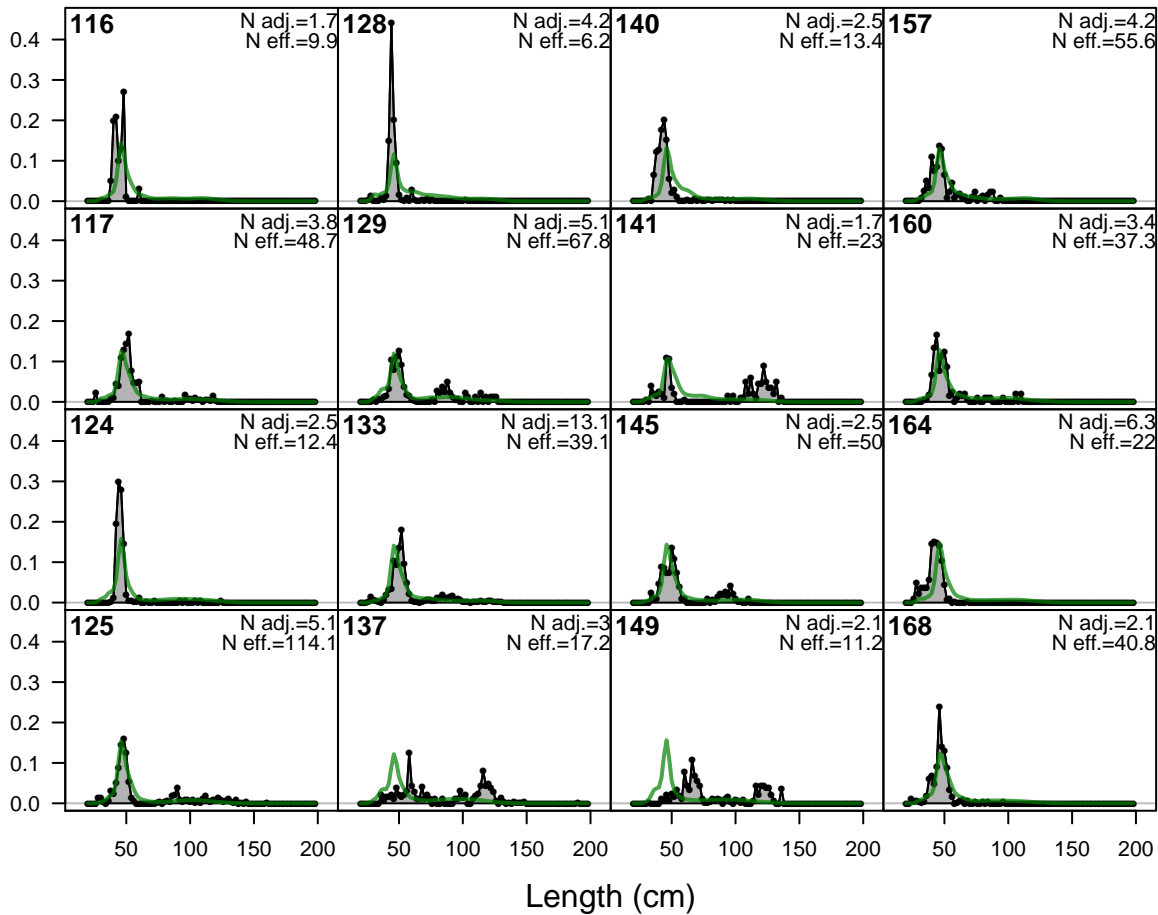


F3-OBJ_C_Q14 (whole catch)

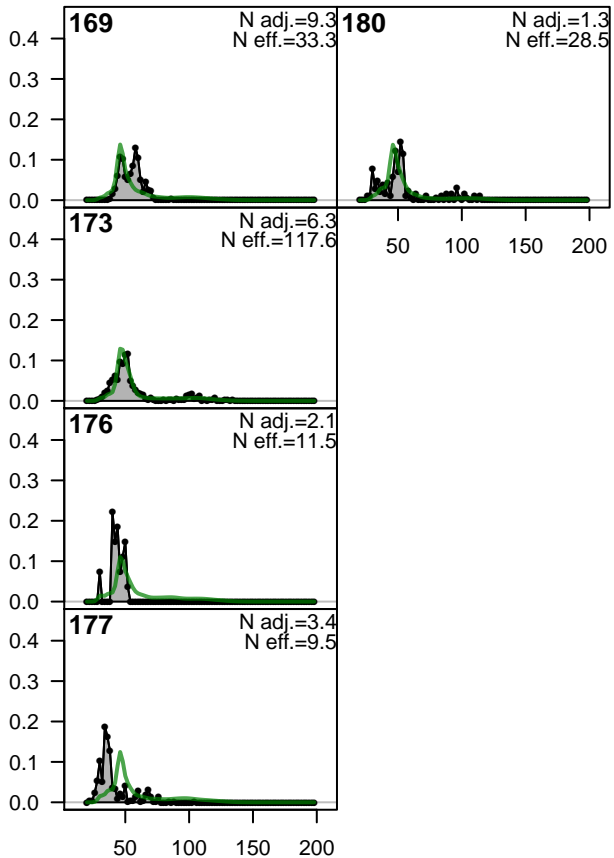




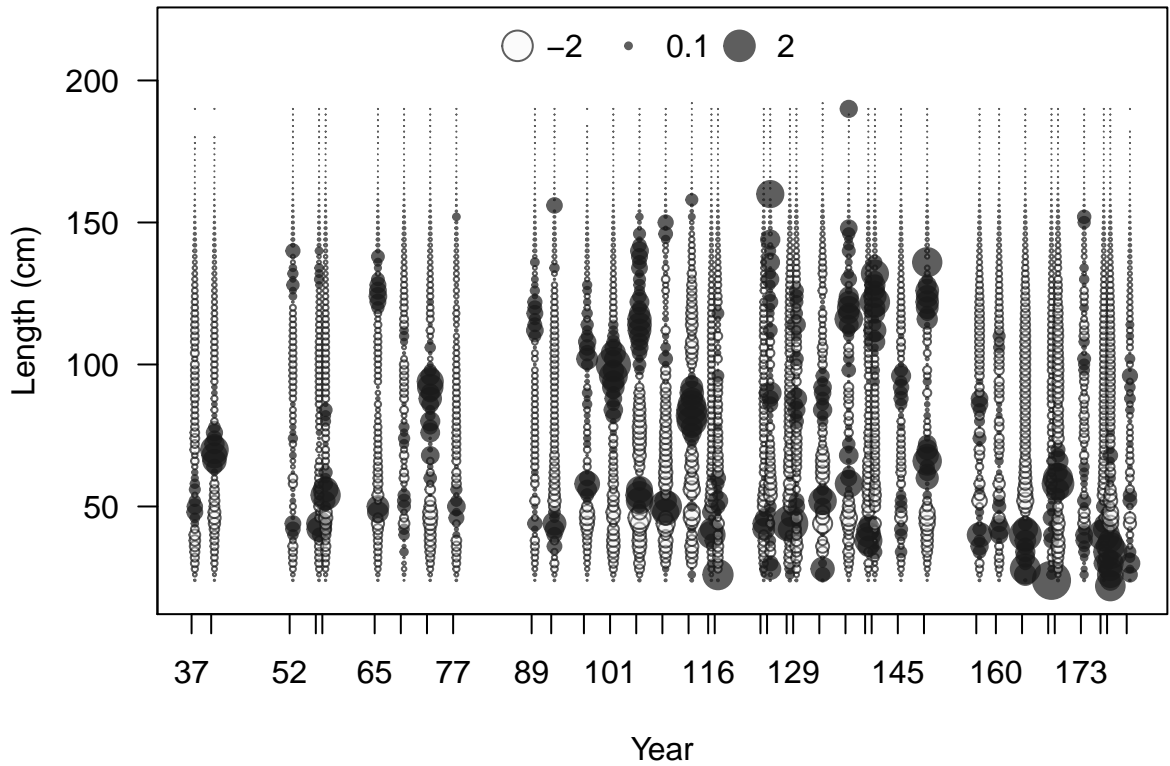
Proportion

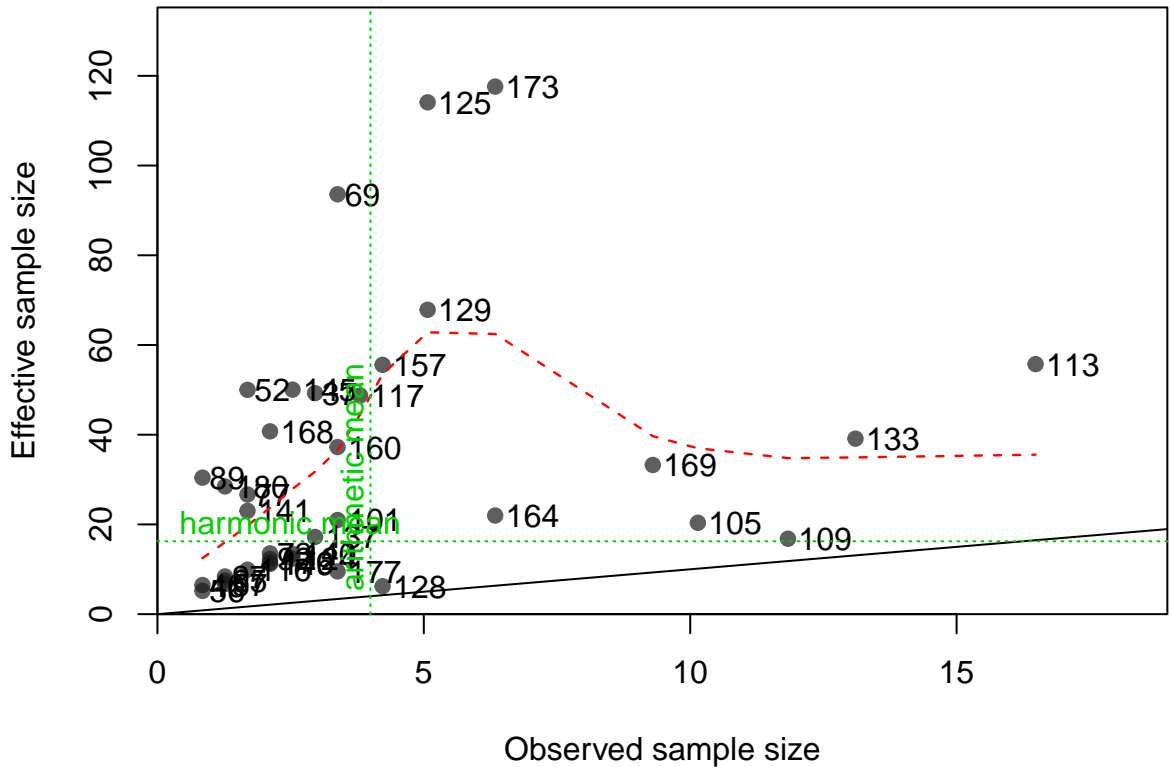


Proportion

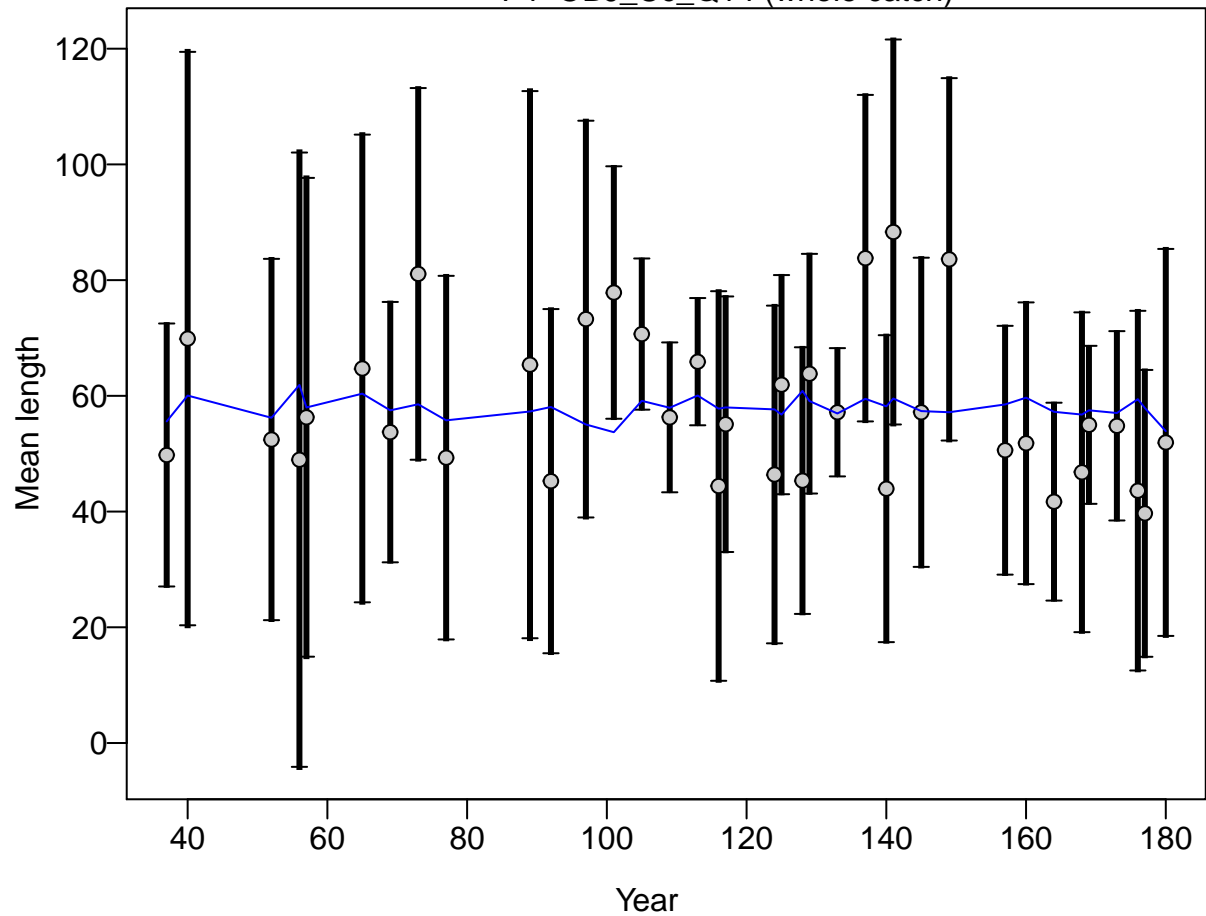


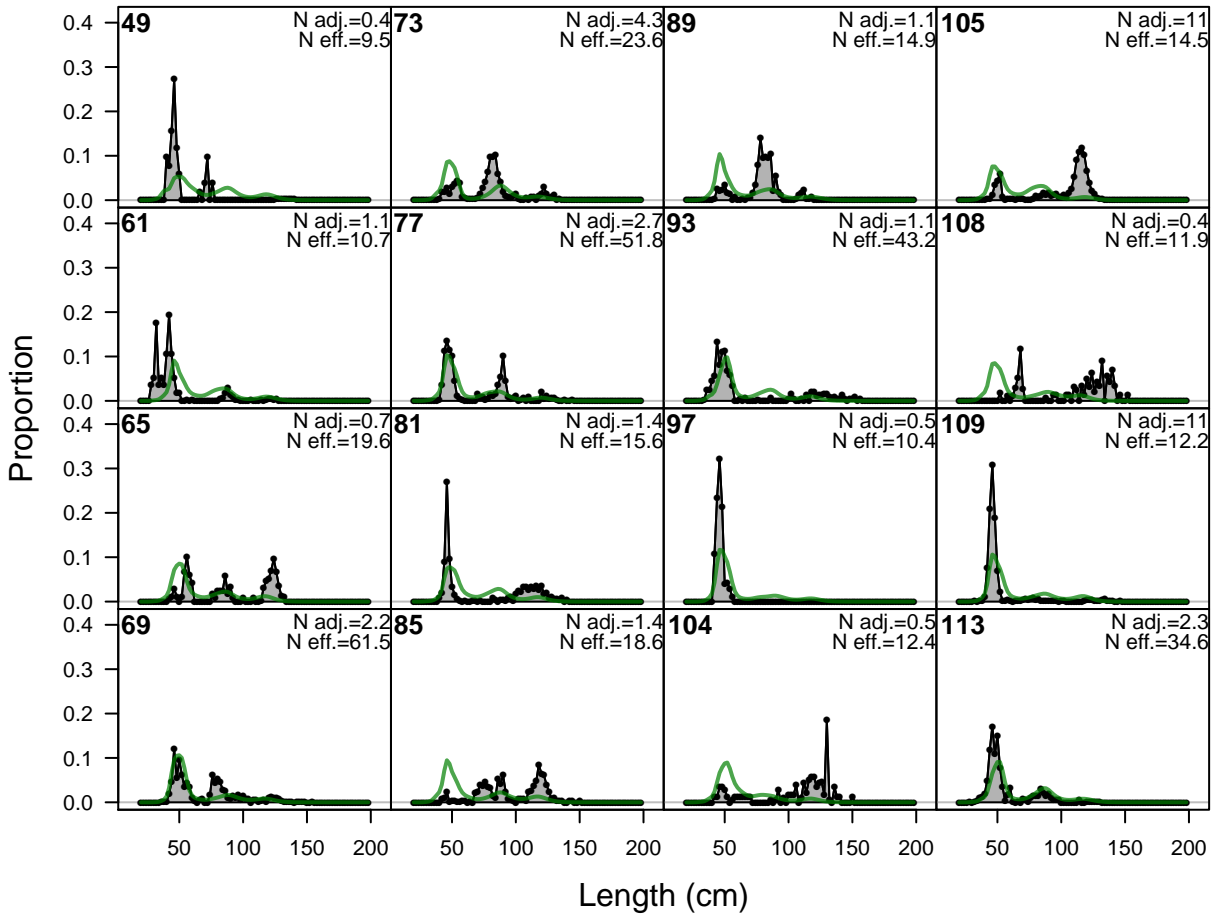
Length (cm)



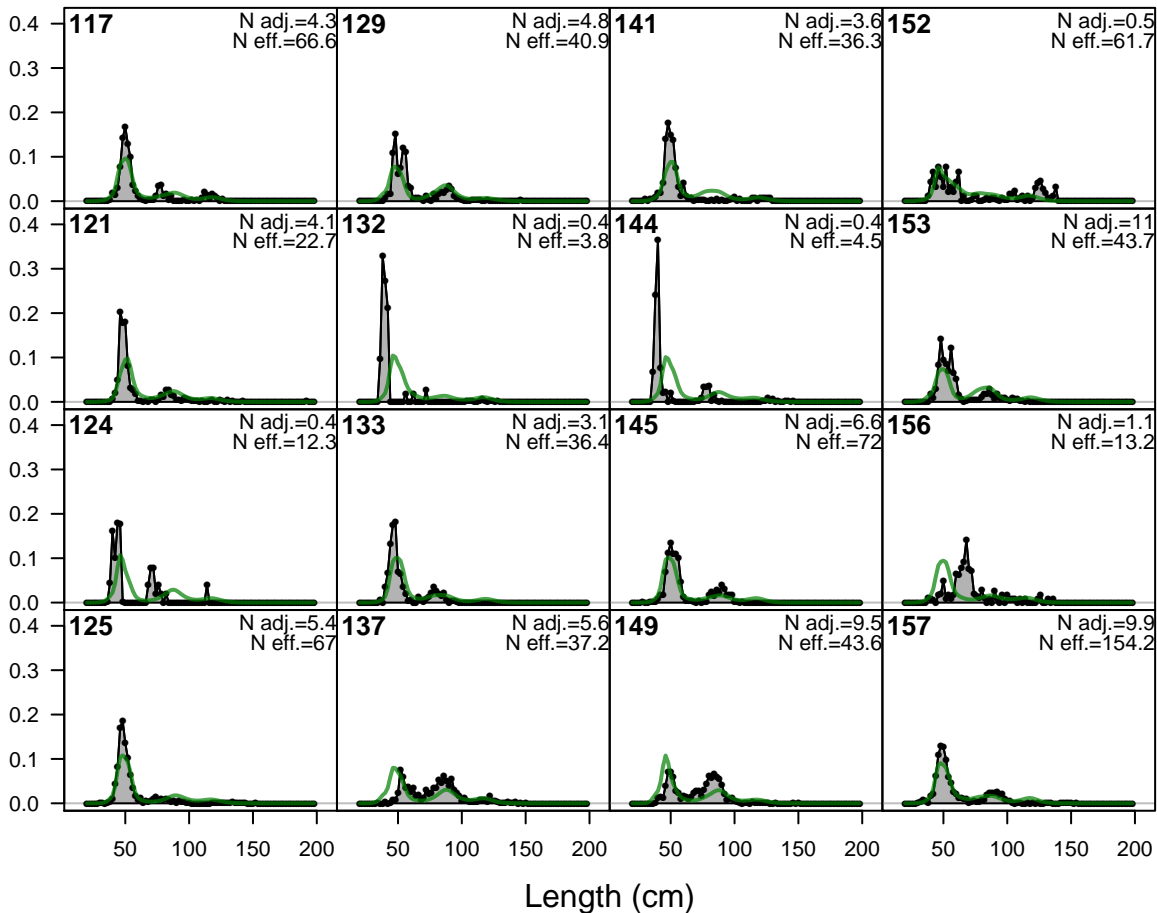


F4-OBJ_Cc_Q14 (whole catch)

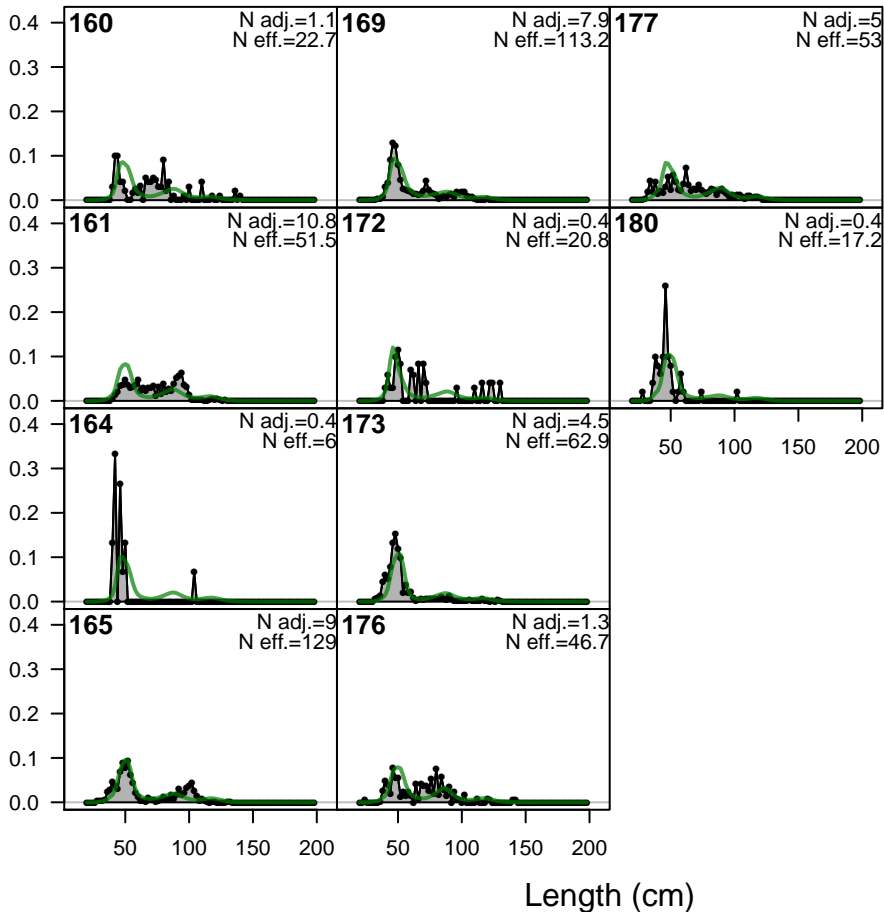


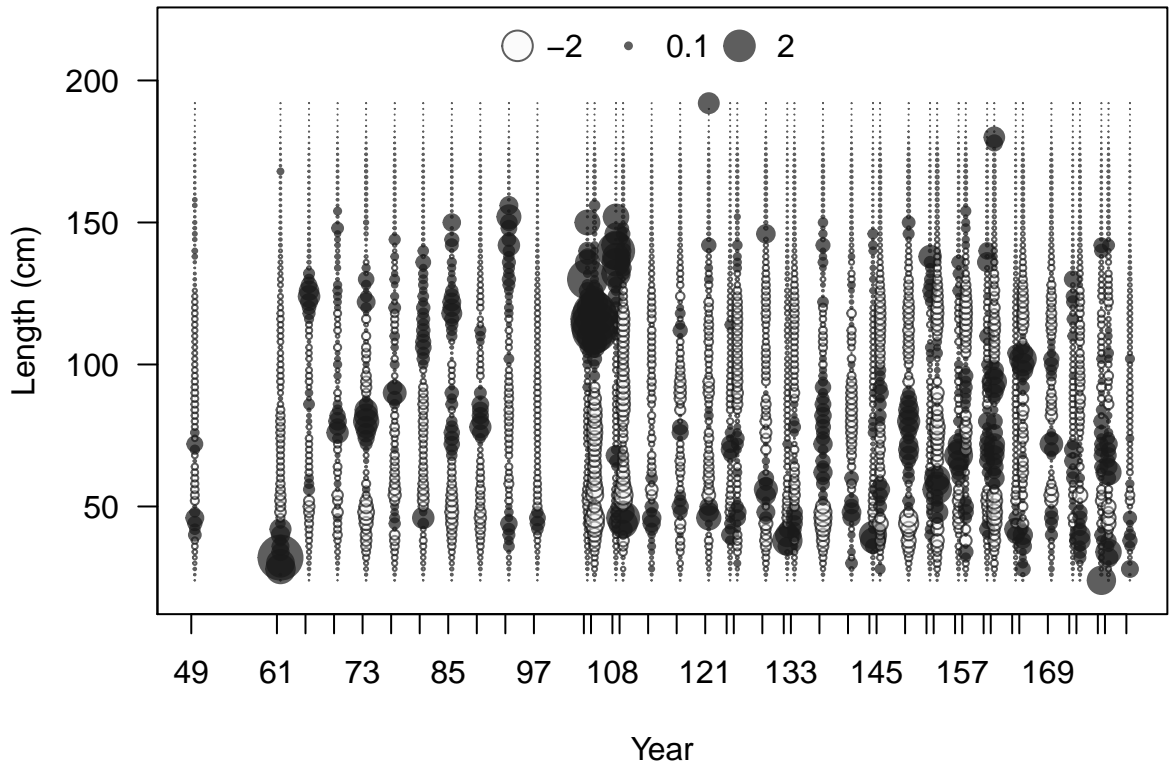


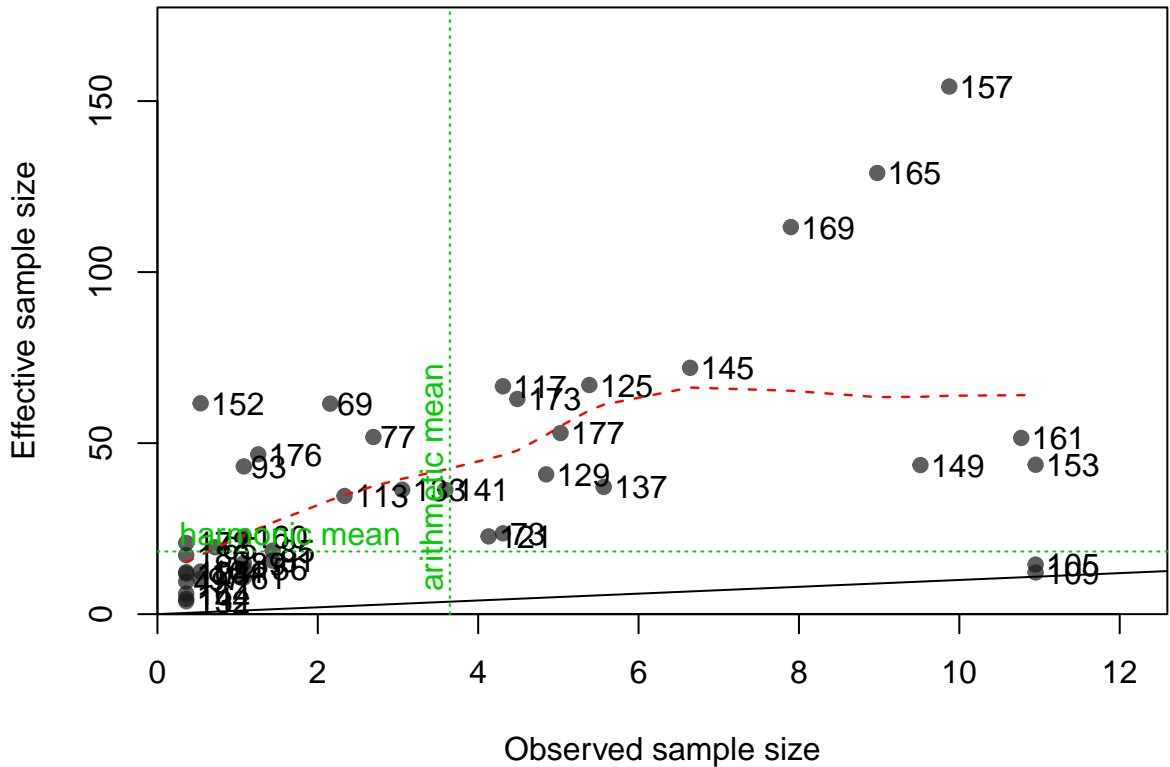
Proportion



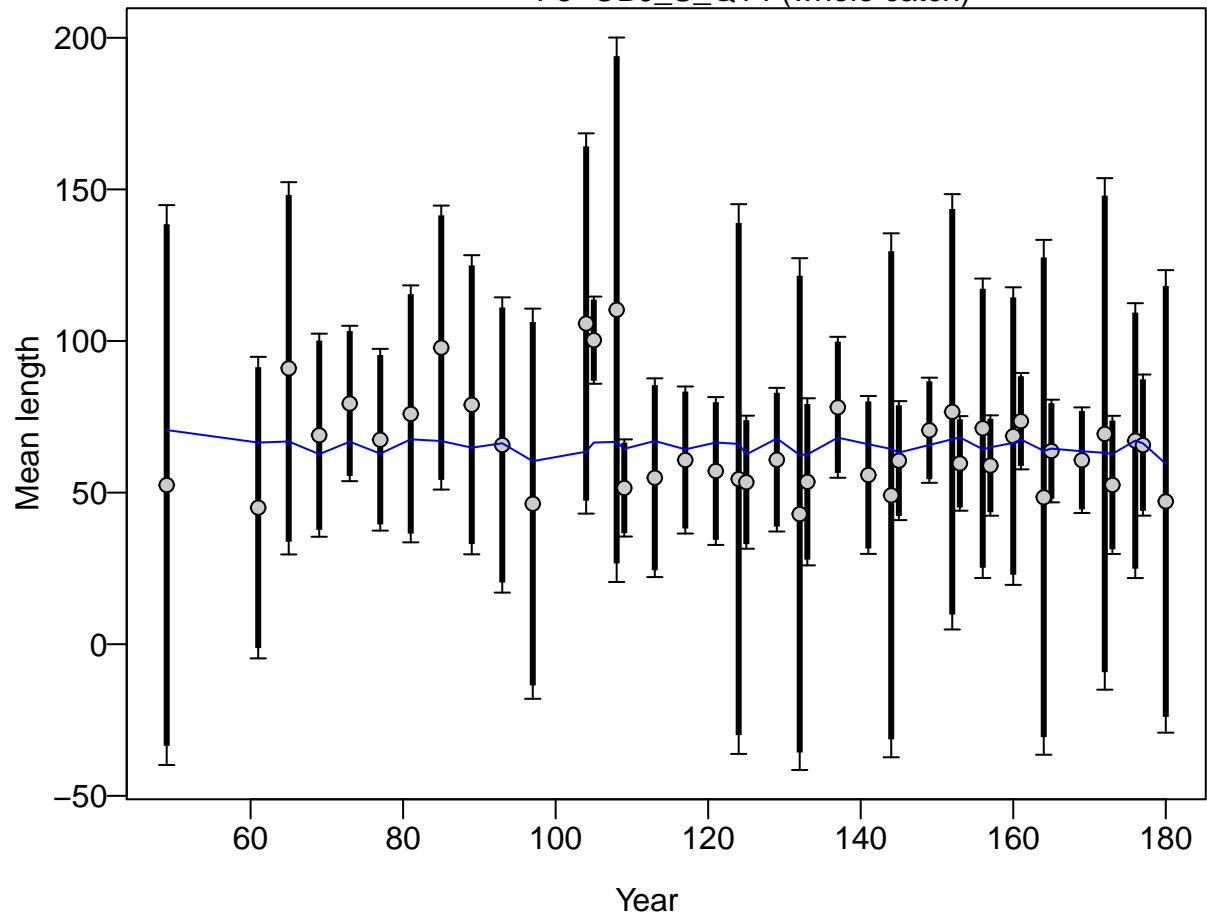
Proportion



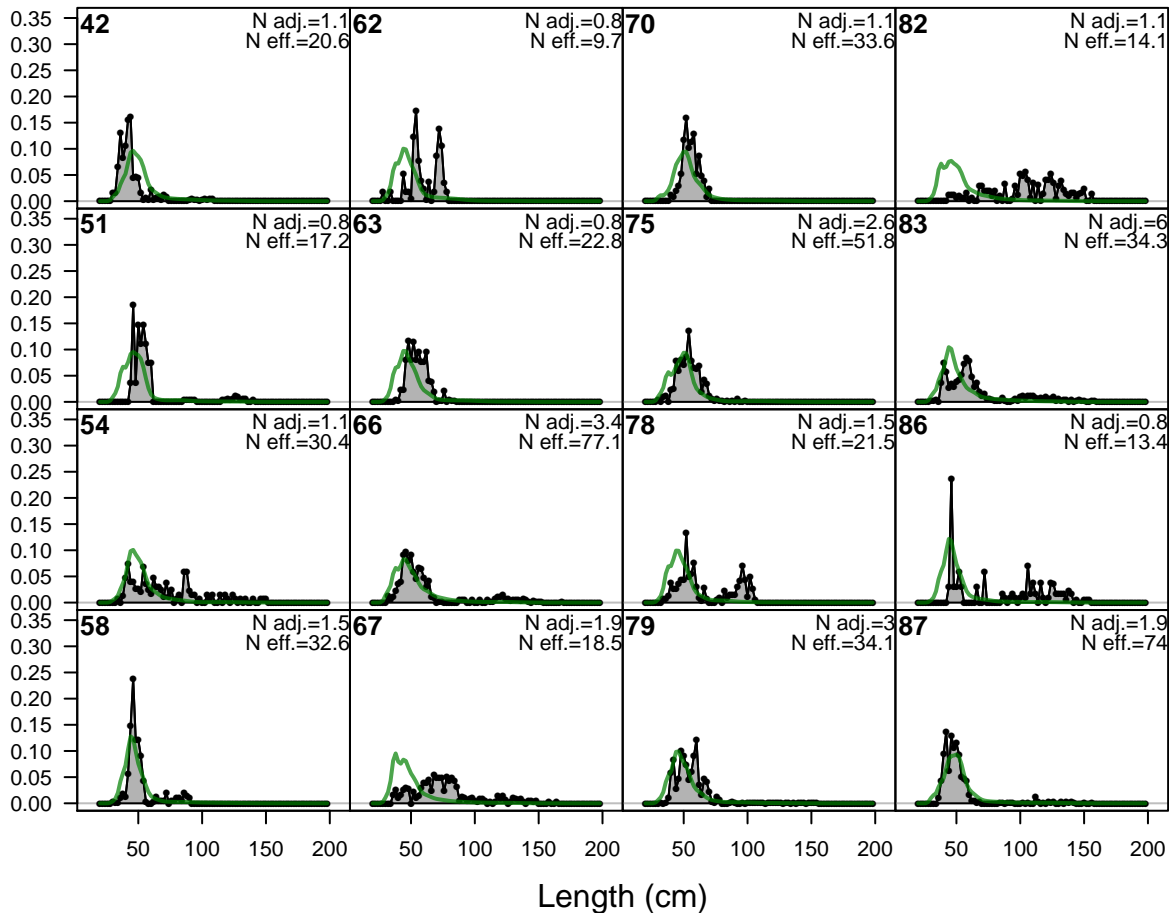




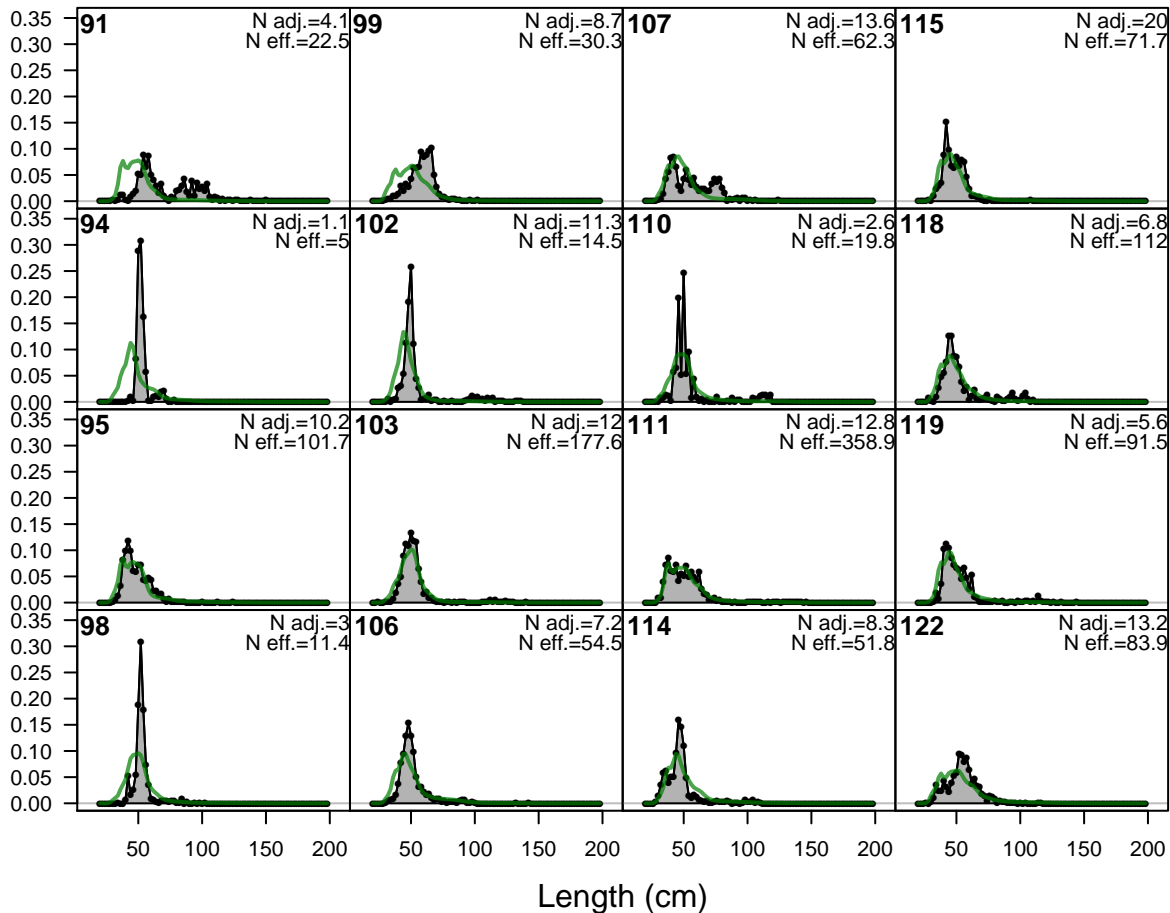
F5-OBJ_S_Q14 (whole catch)



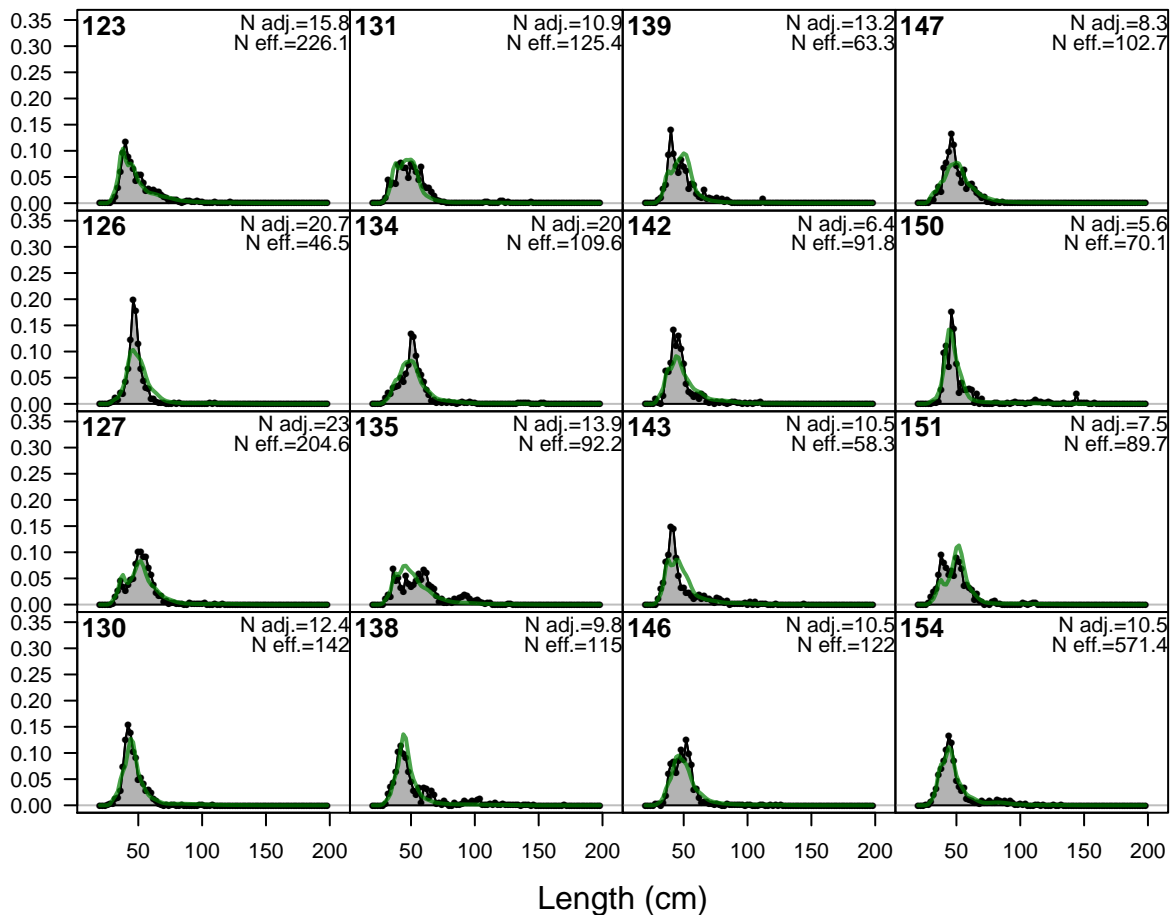
Proportion



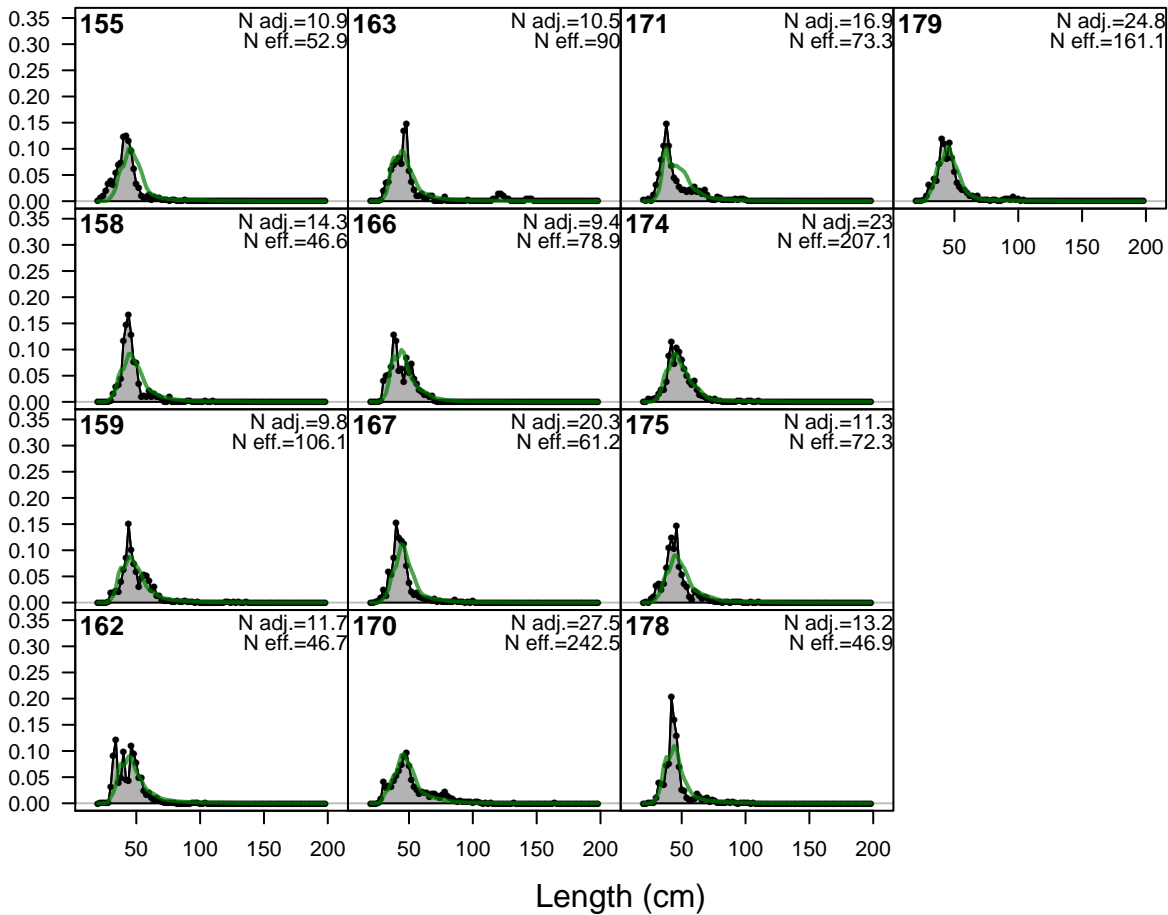
Proportion

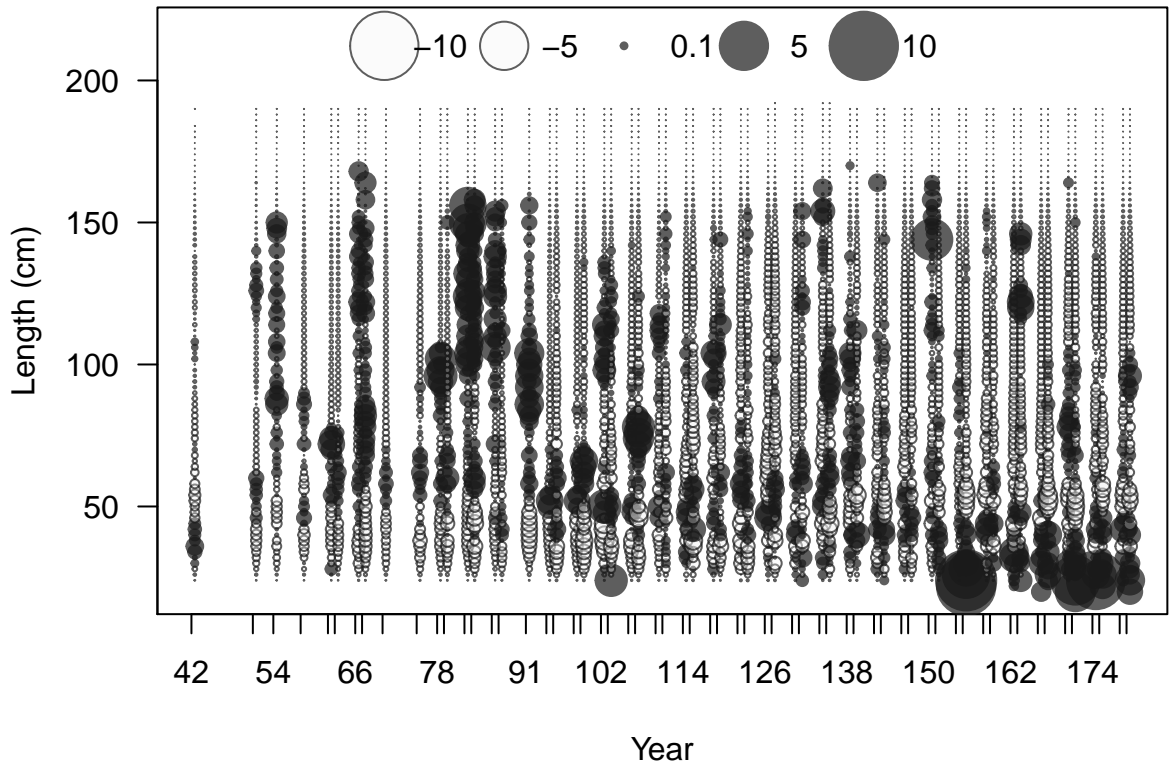


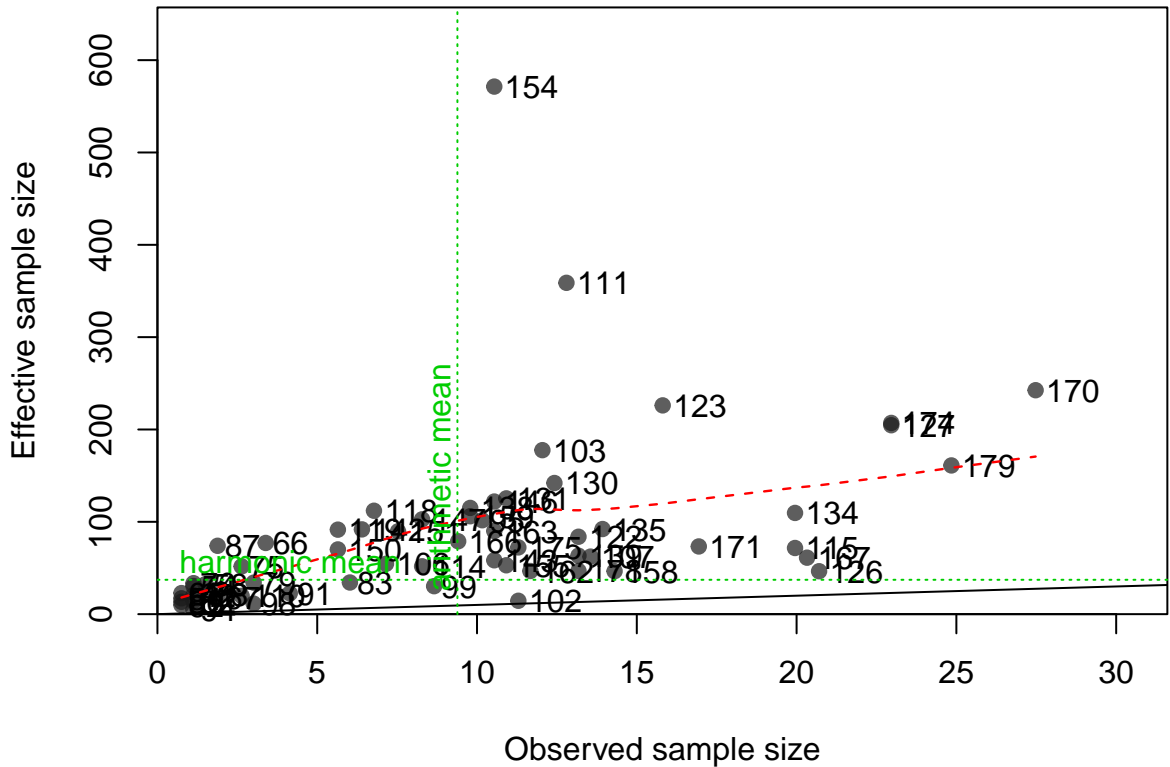
Proportion



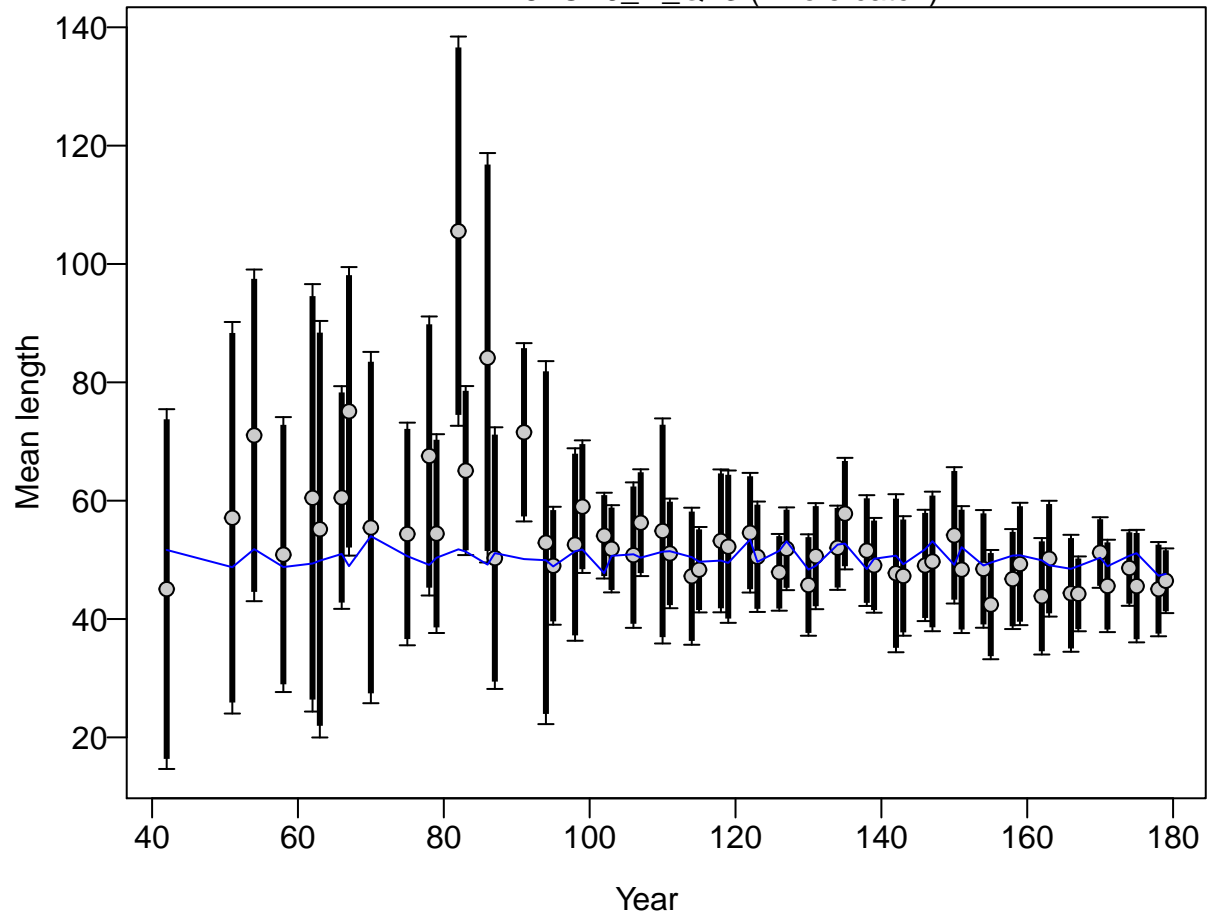
Proportion



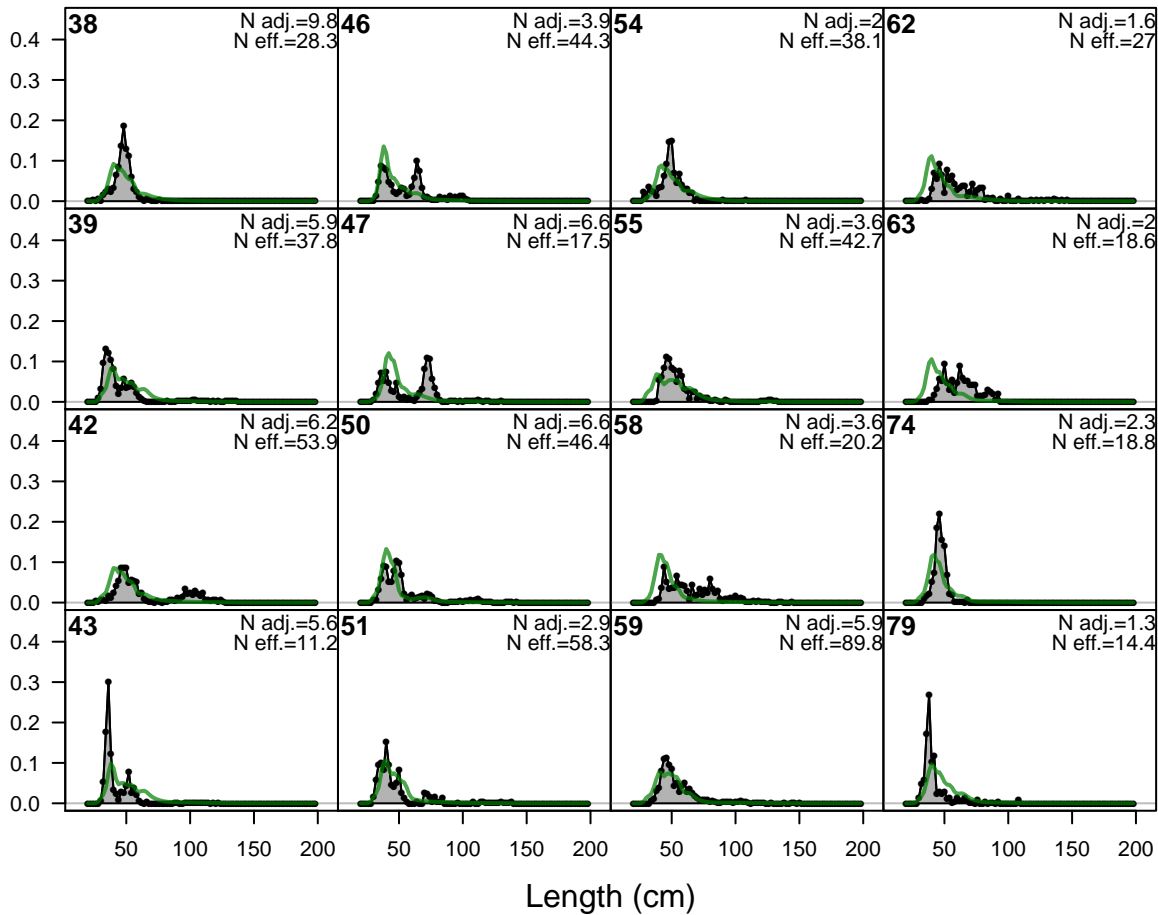




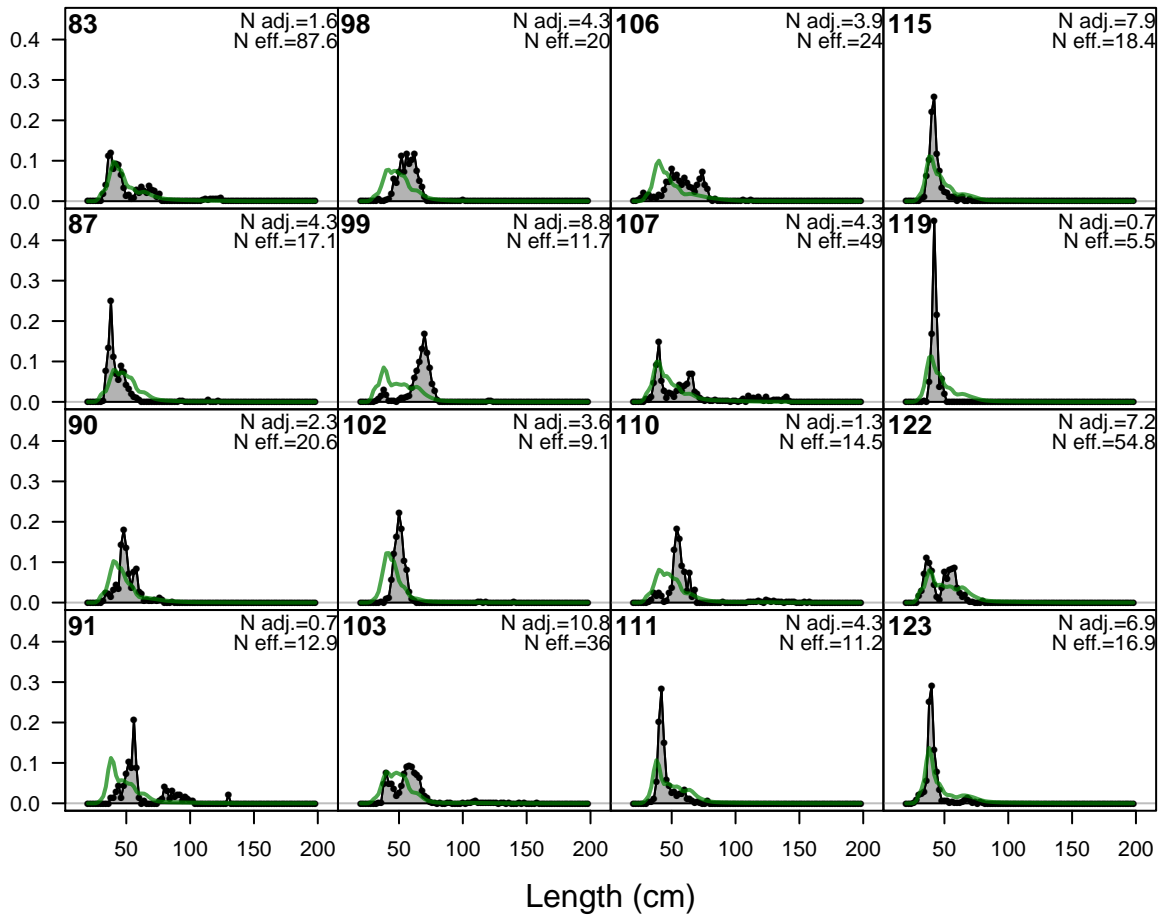
F6-OBJ_N_Q23 (whole catch)



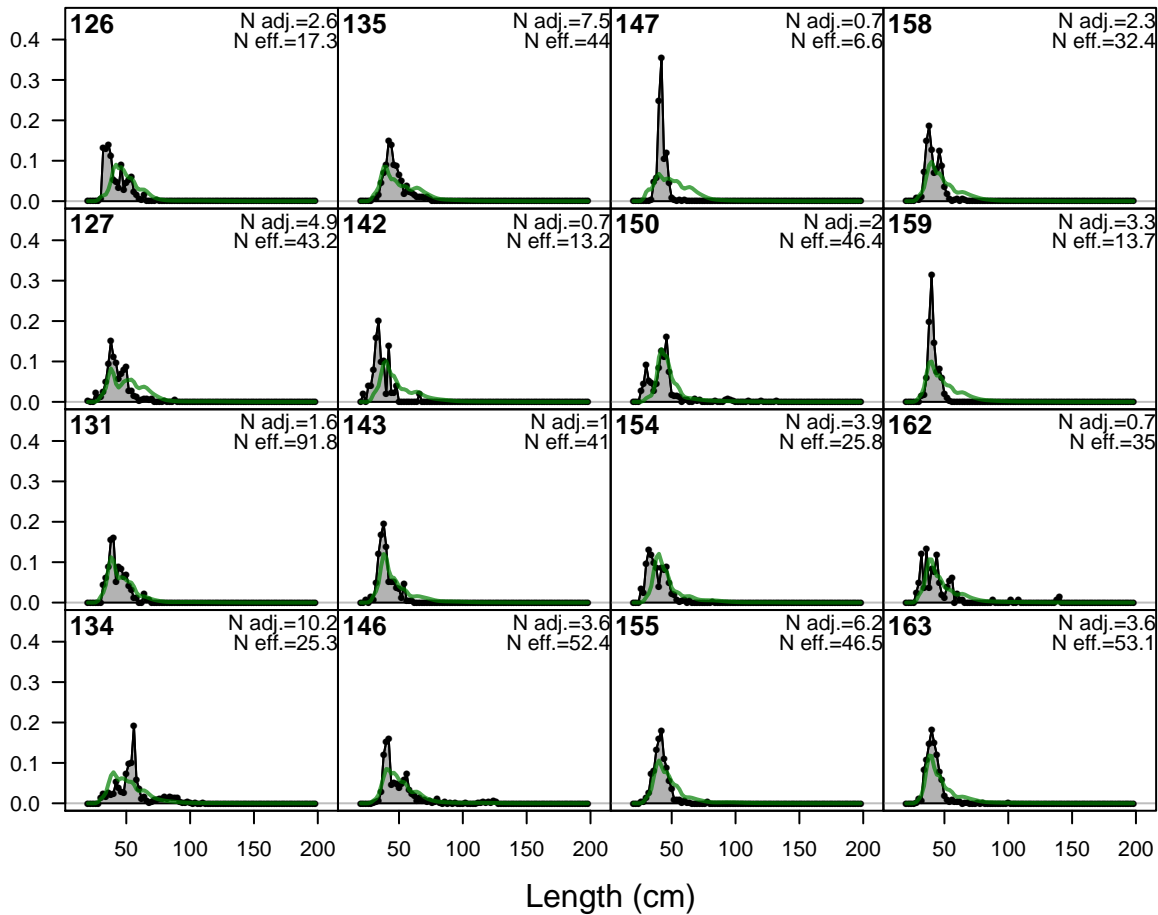
Proportion



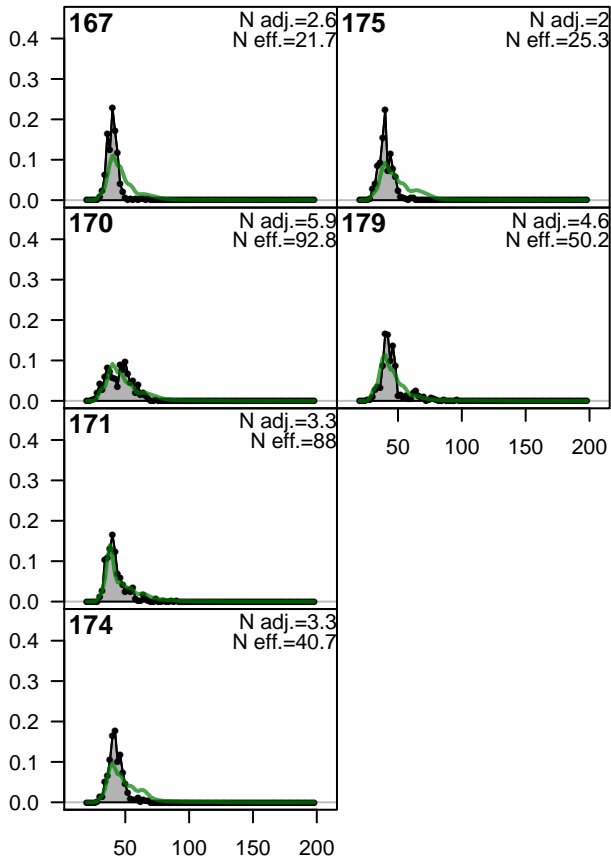
Proportion



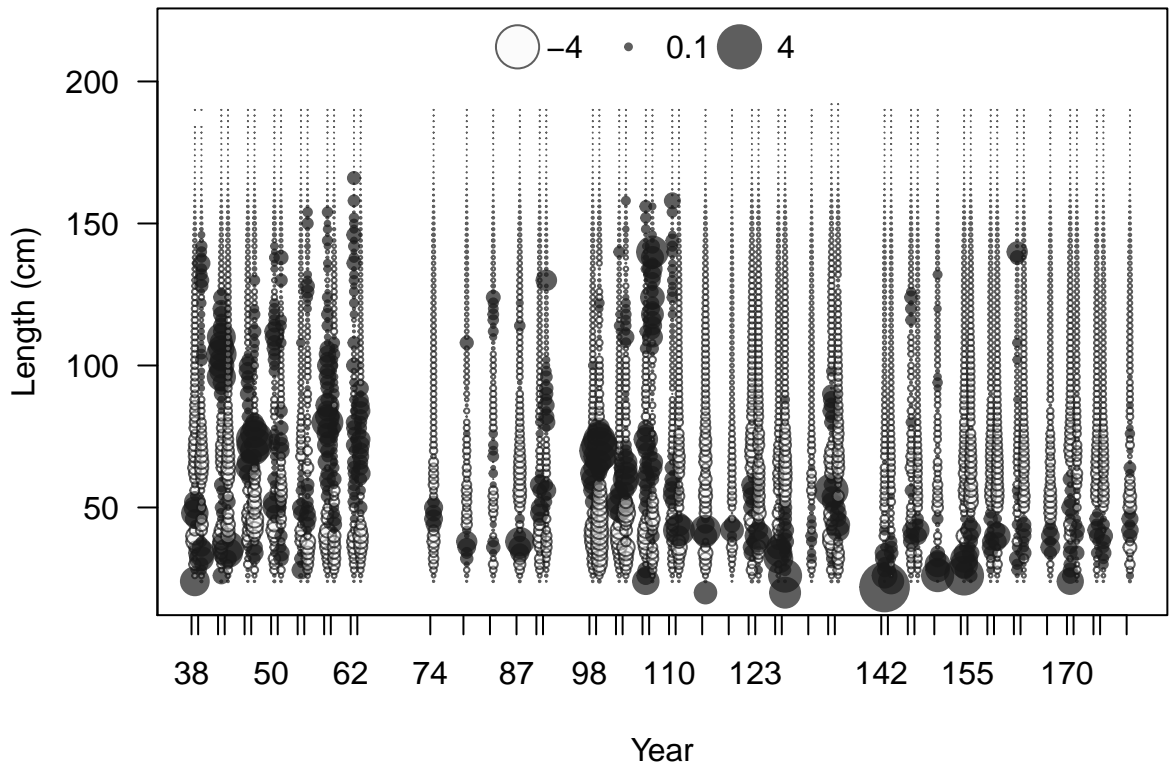
Proportion

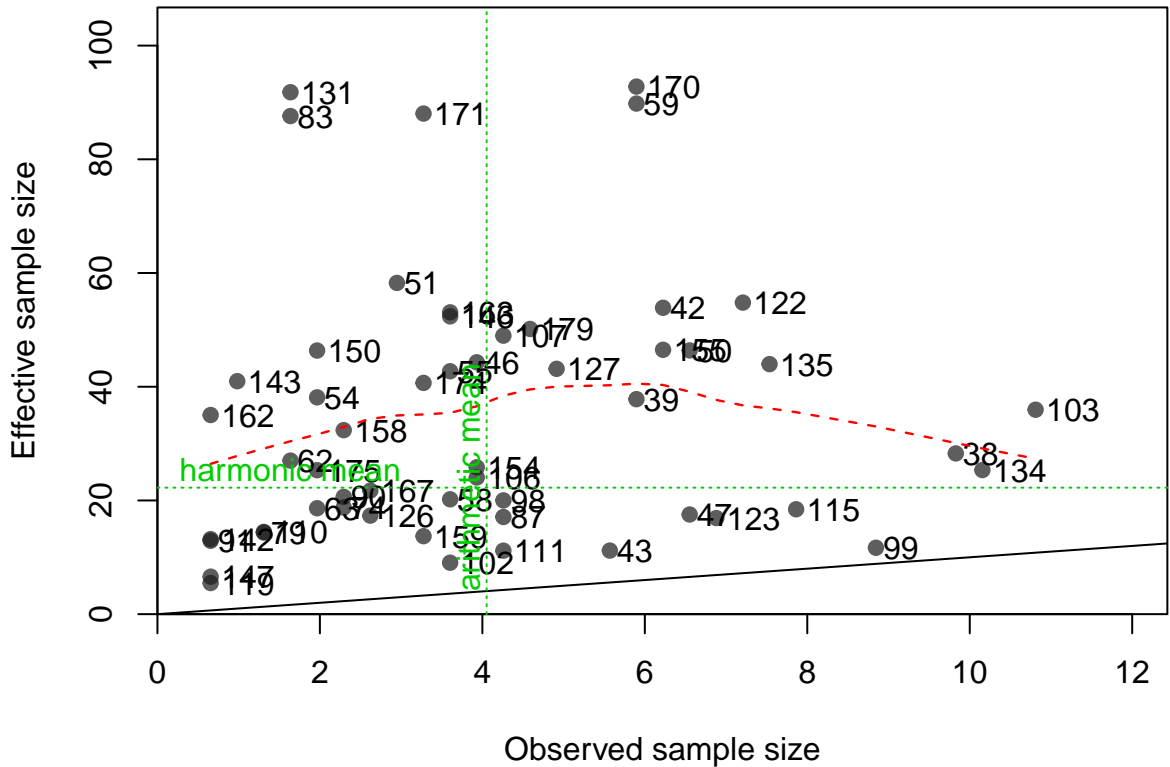


Proportion

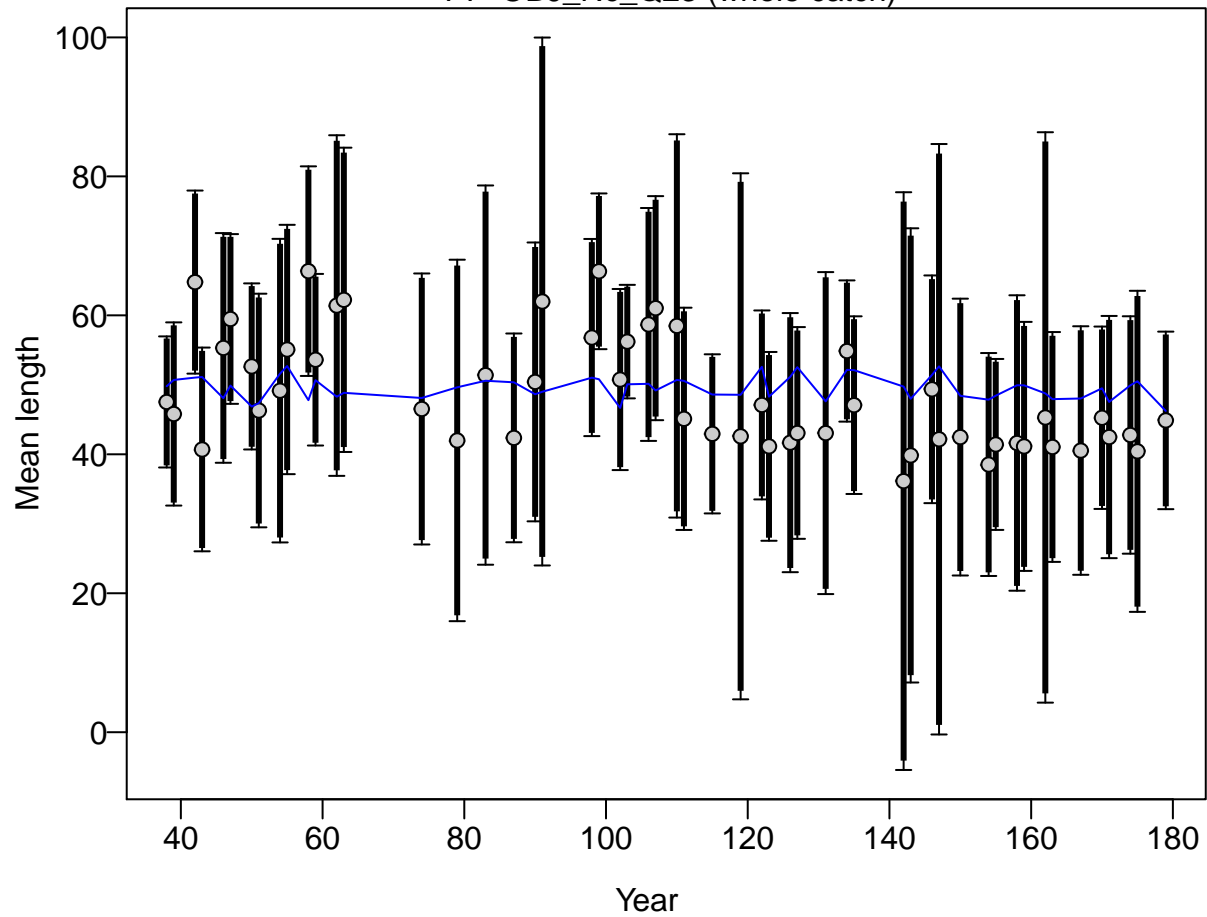


Length (cm)

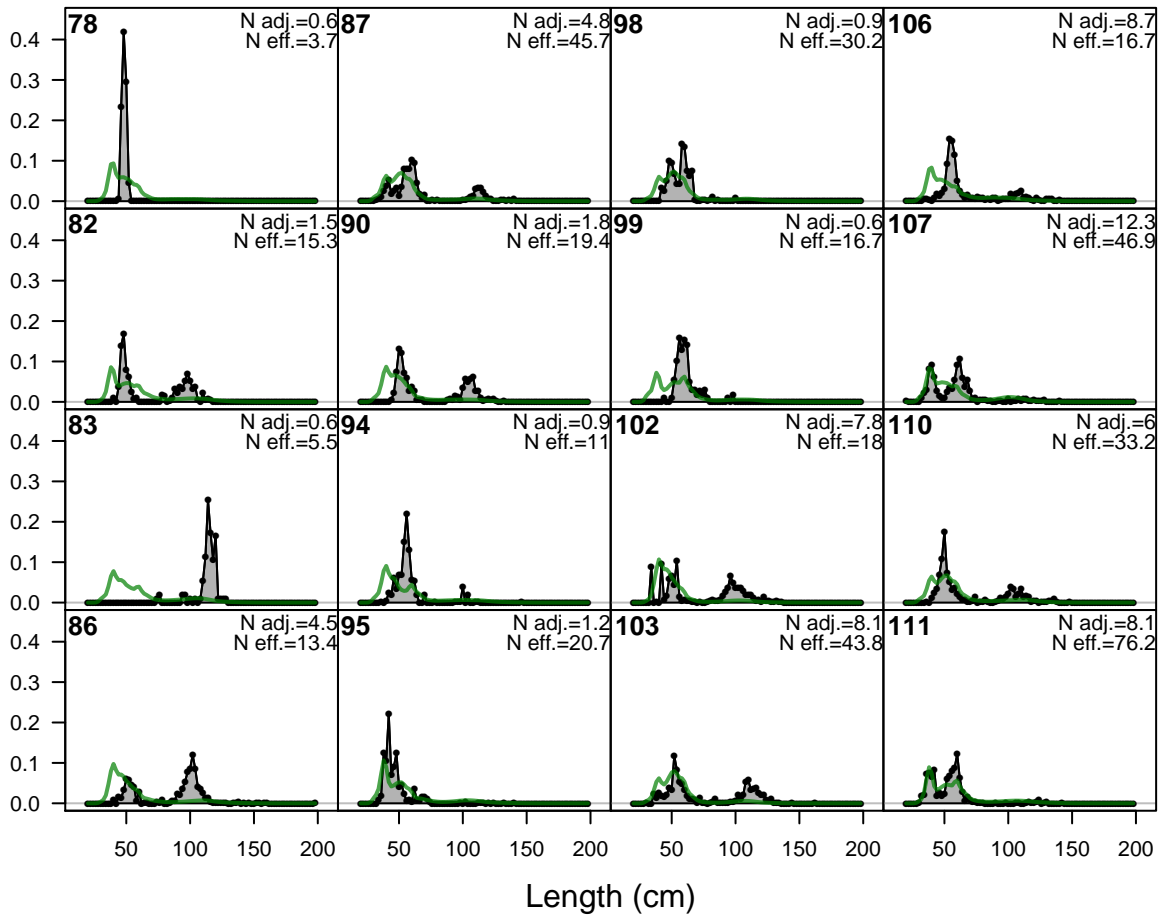




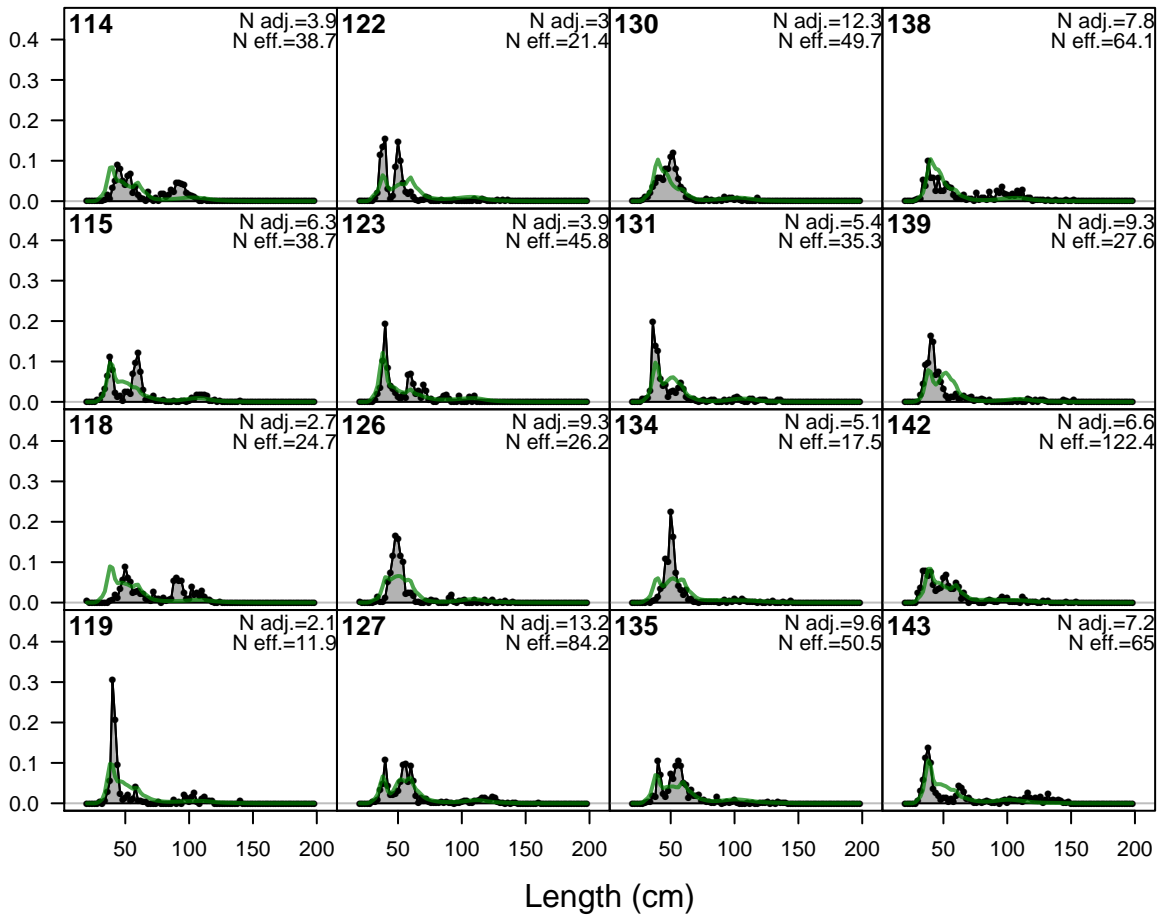
F7-OBJ_Nc_Q23 (whole catch)



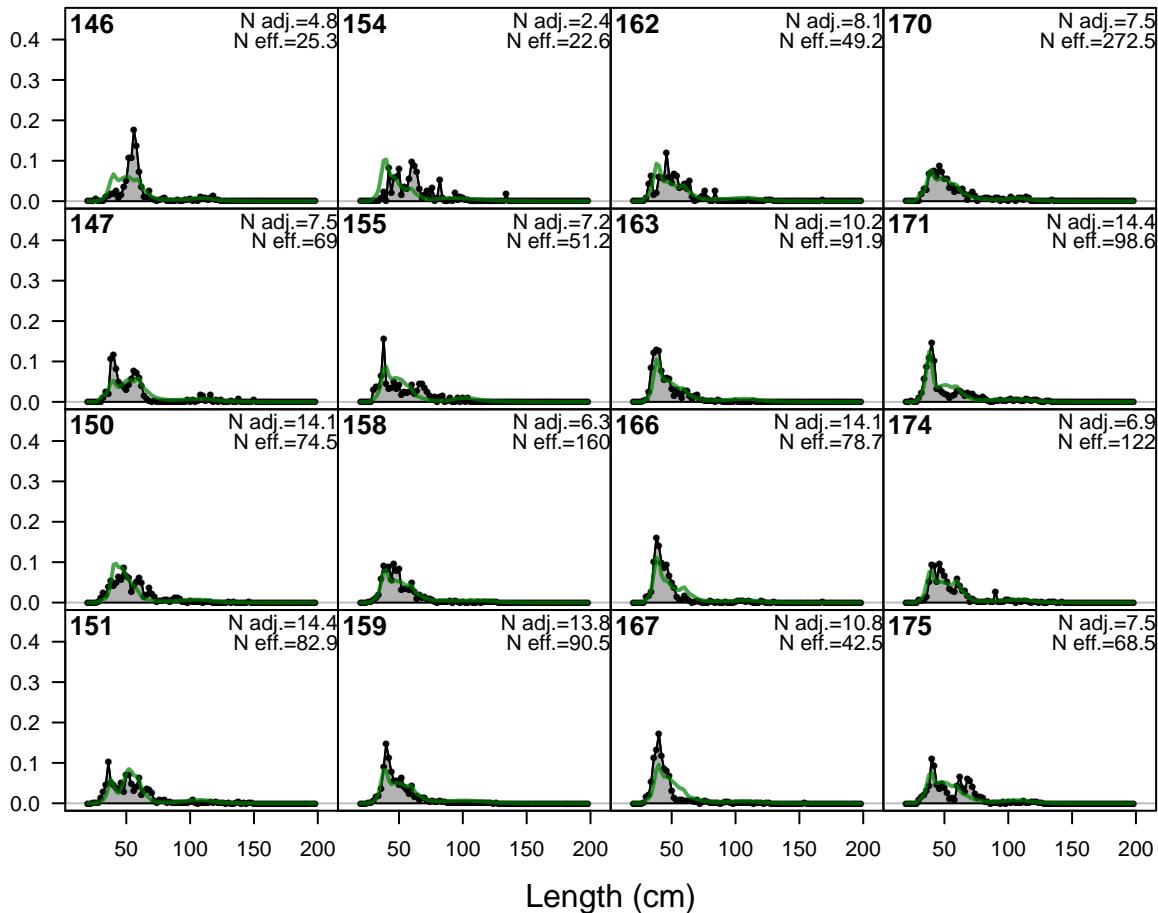
Proportion

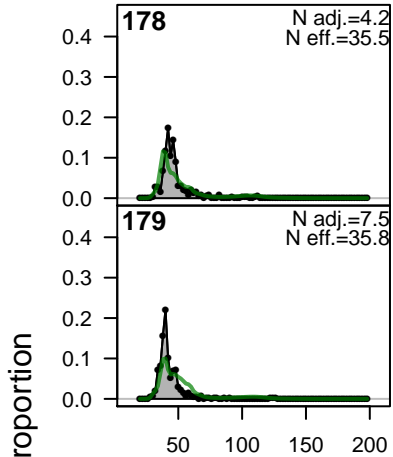


Proportion

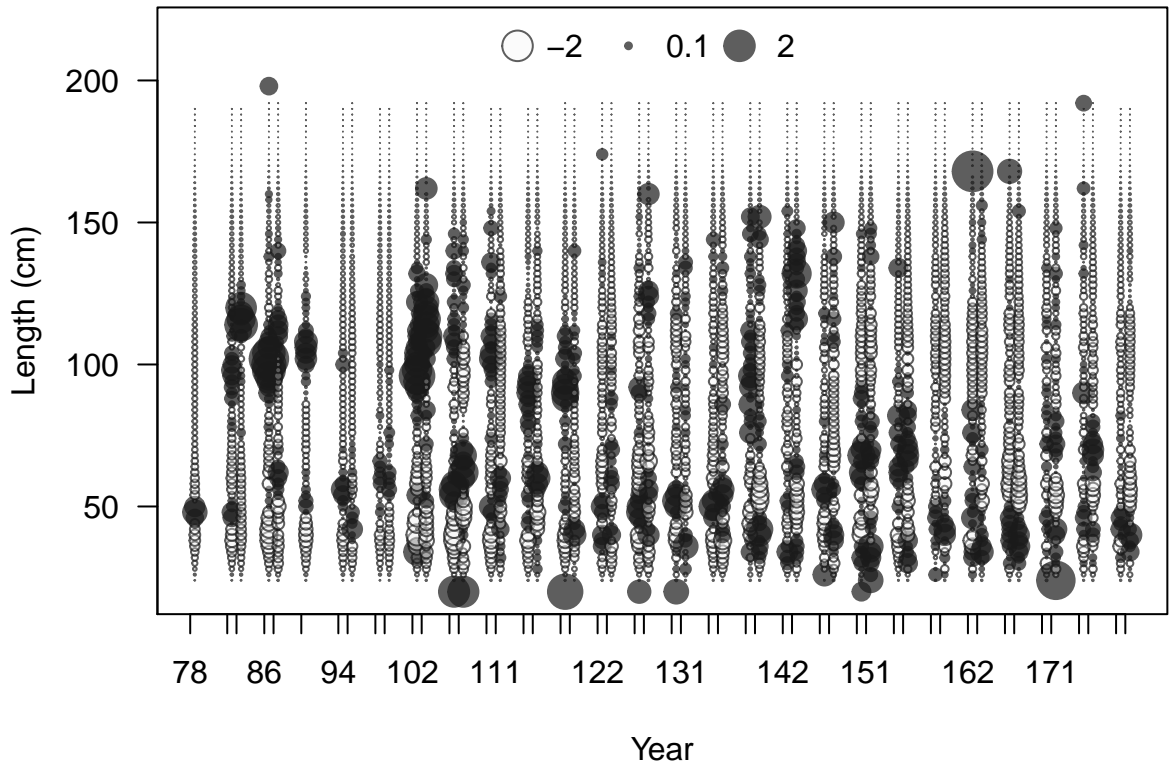


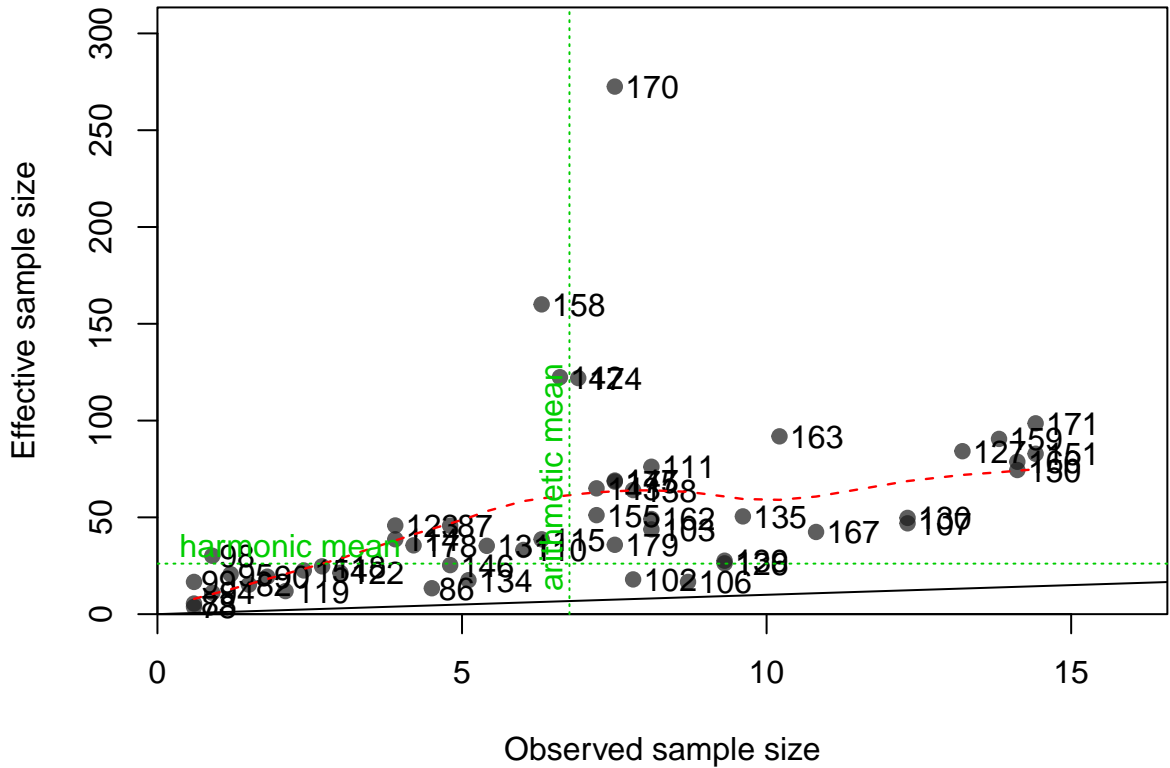
Proportion



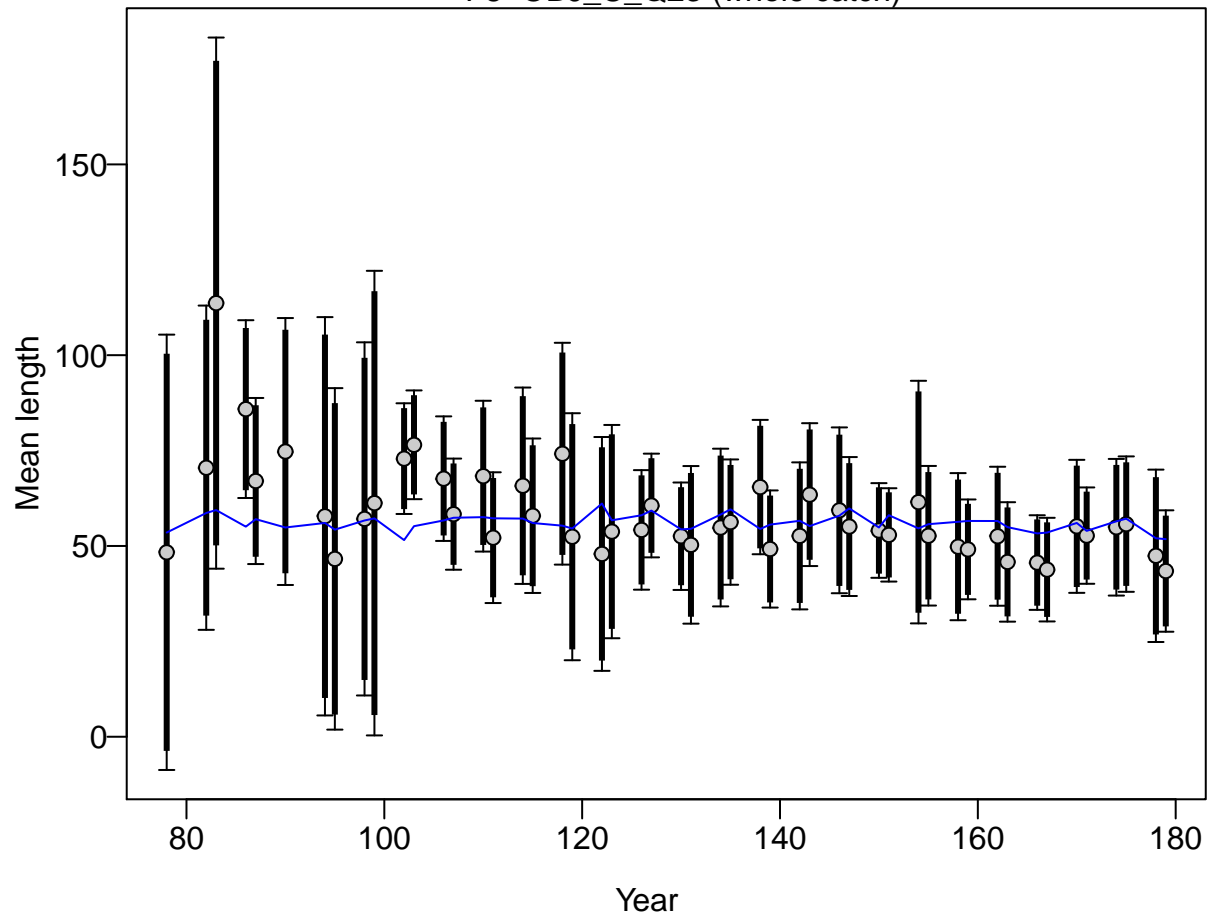


Length (cm)

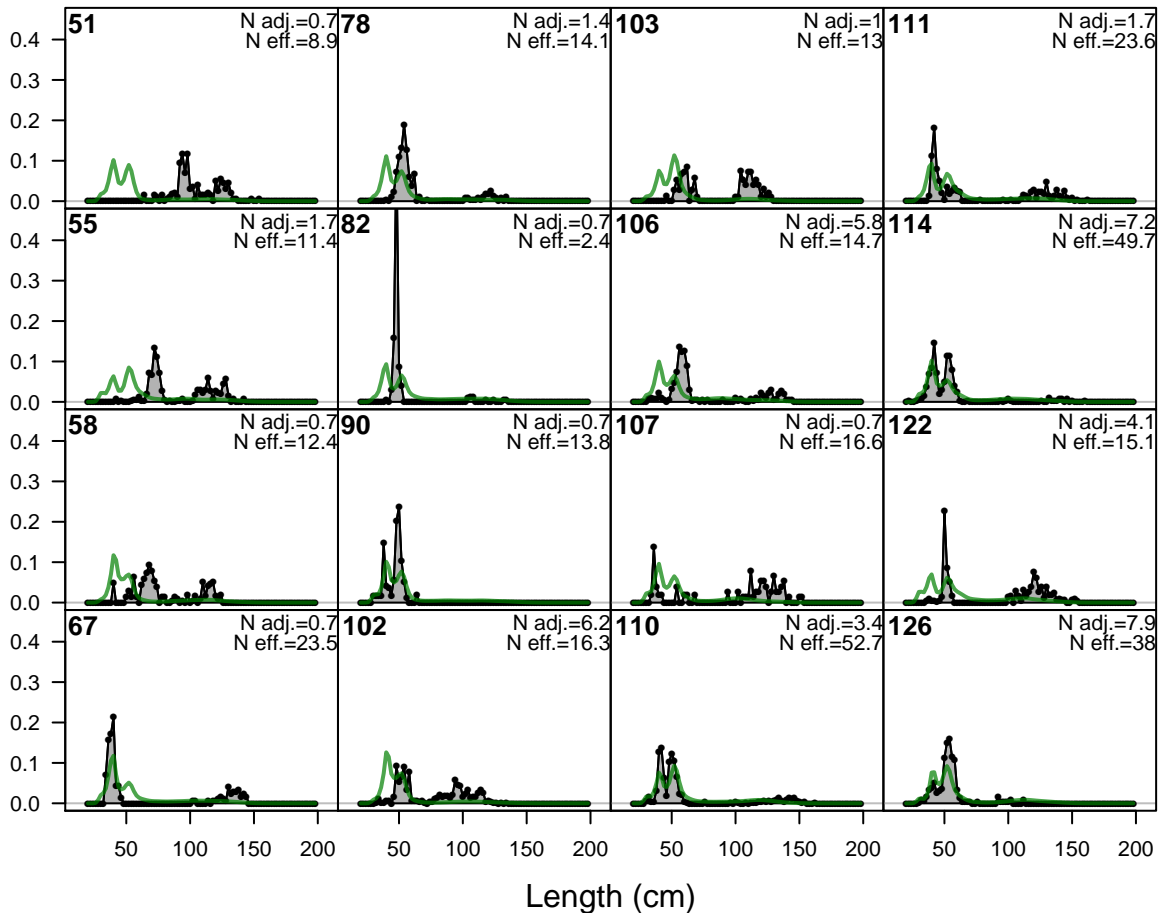




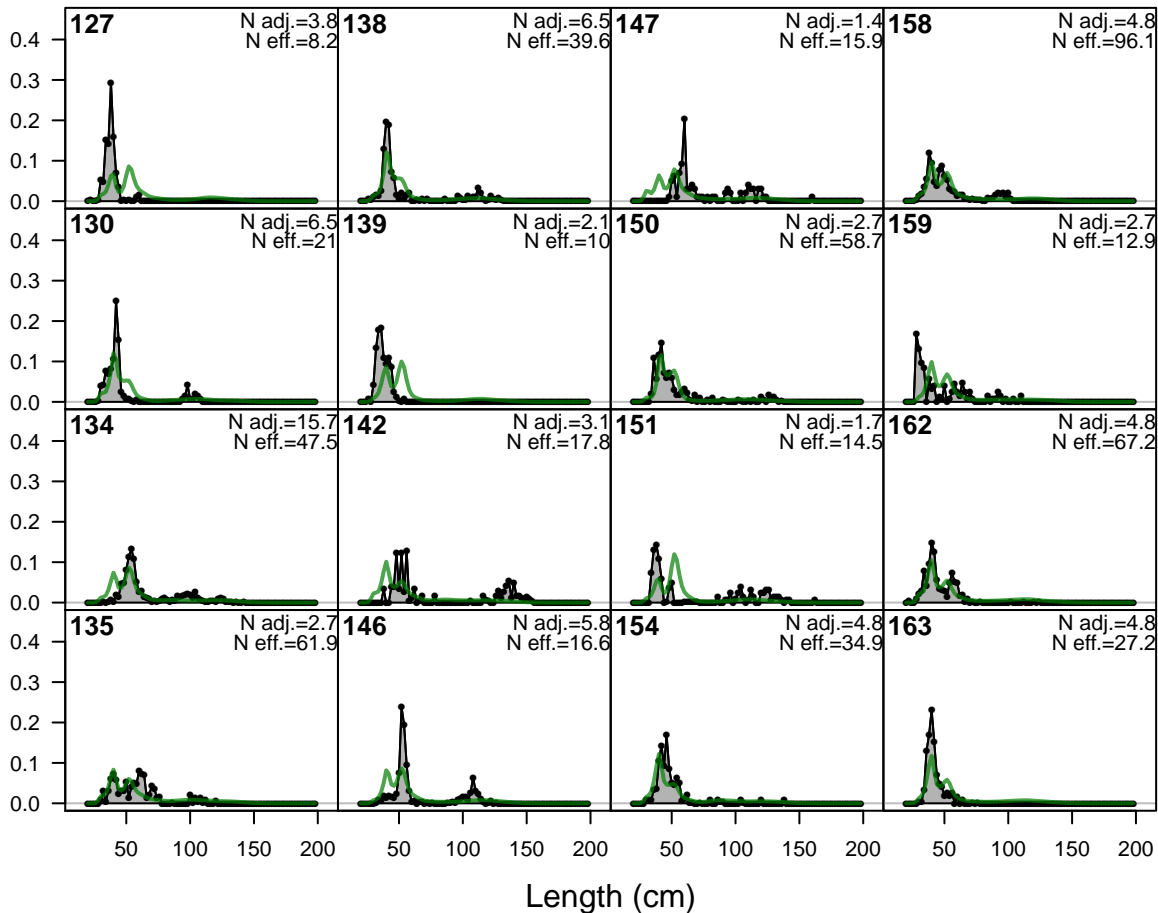
F8-OBJ_C_Q23 (whole catch)



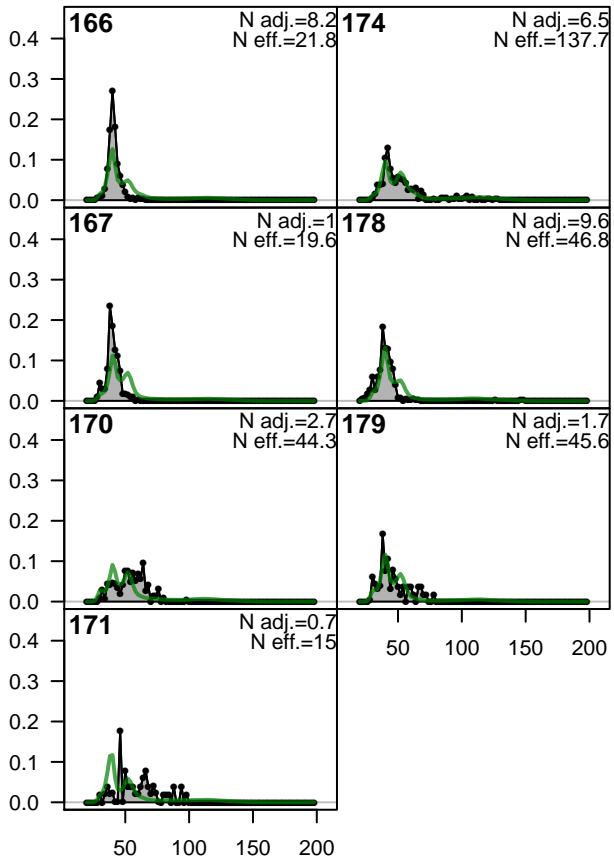
Proportion



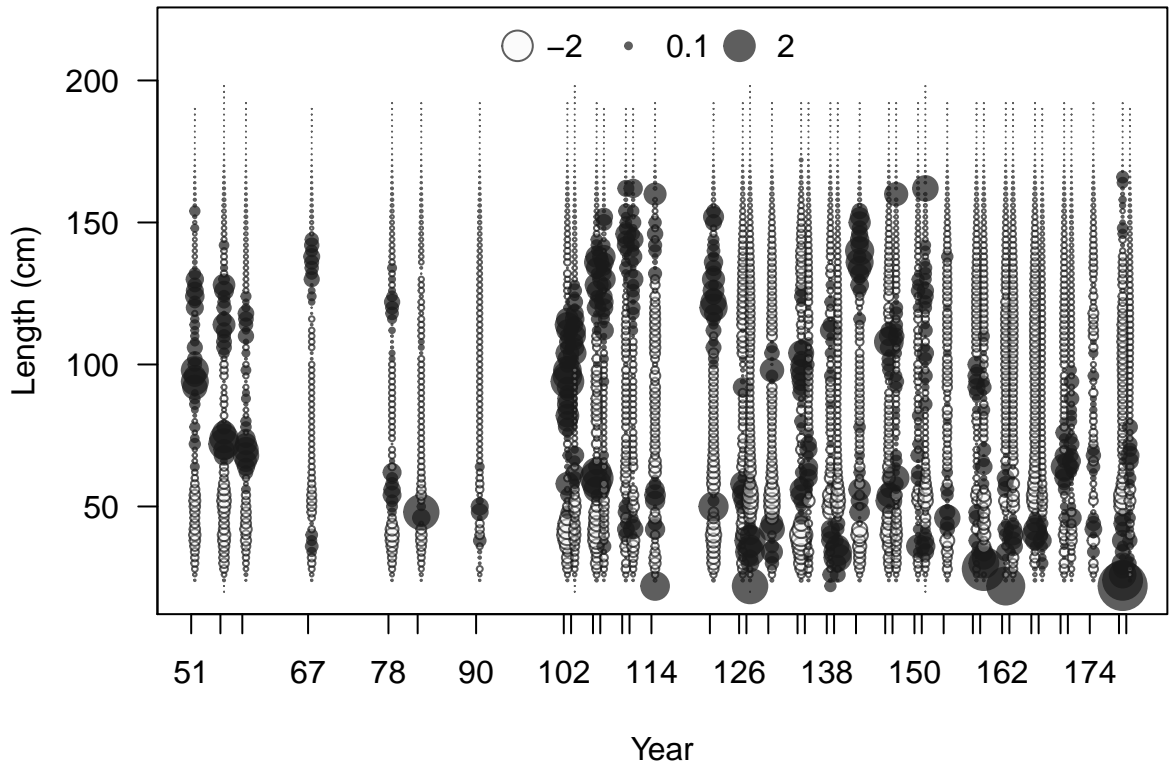
Proportion



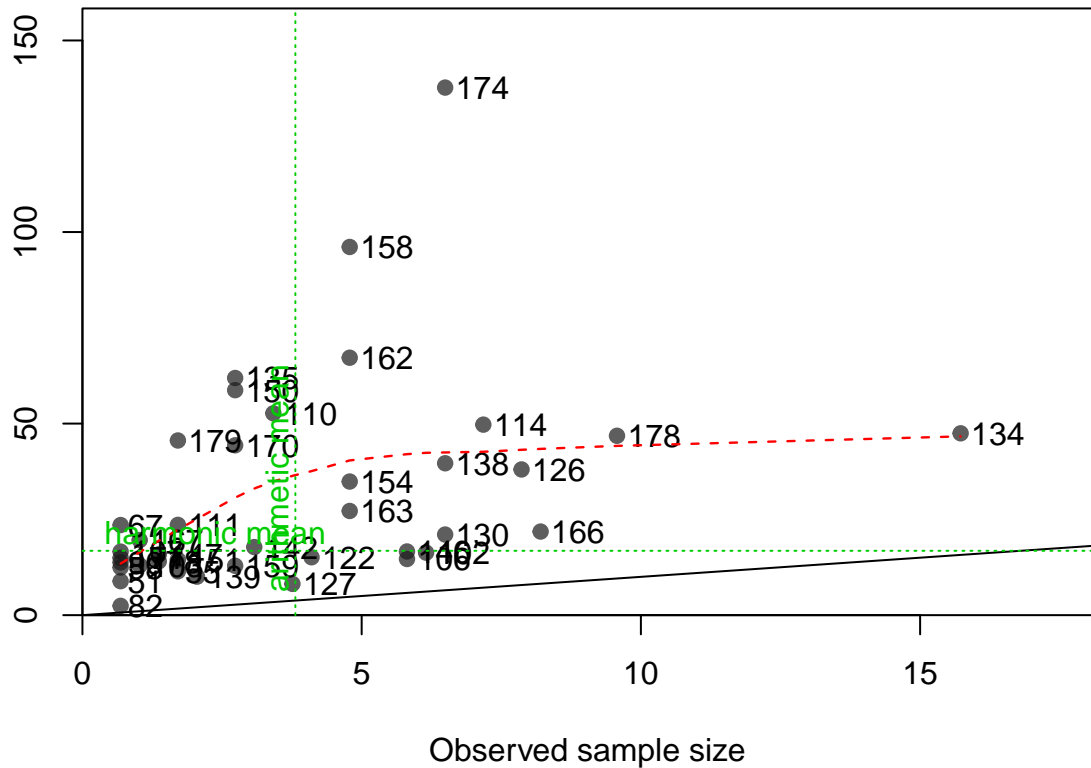
Proportion



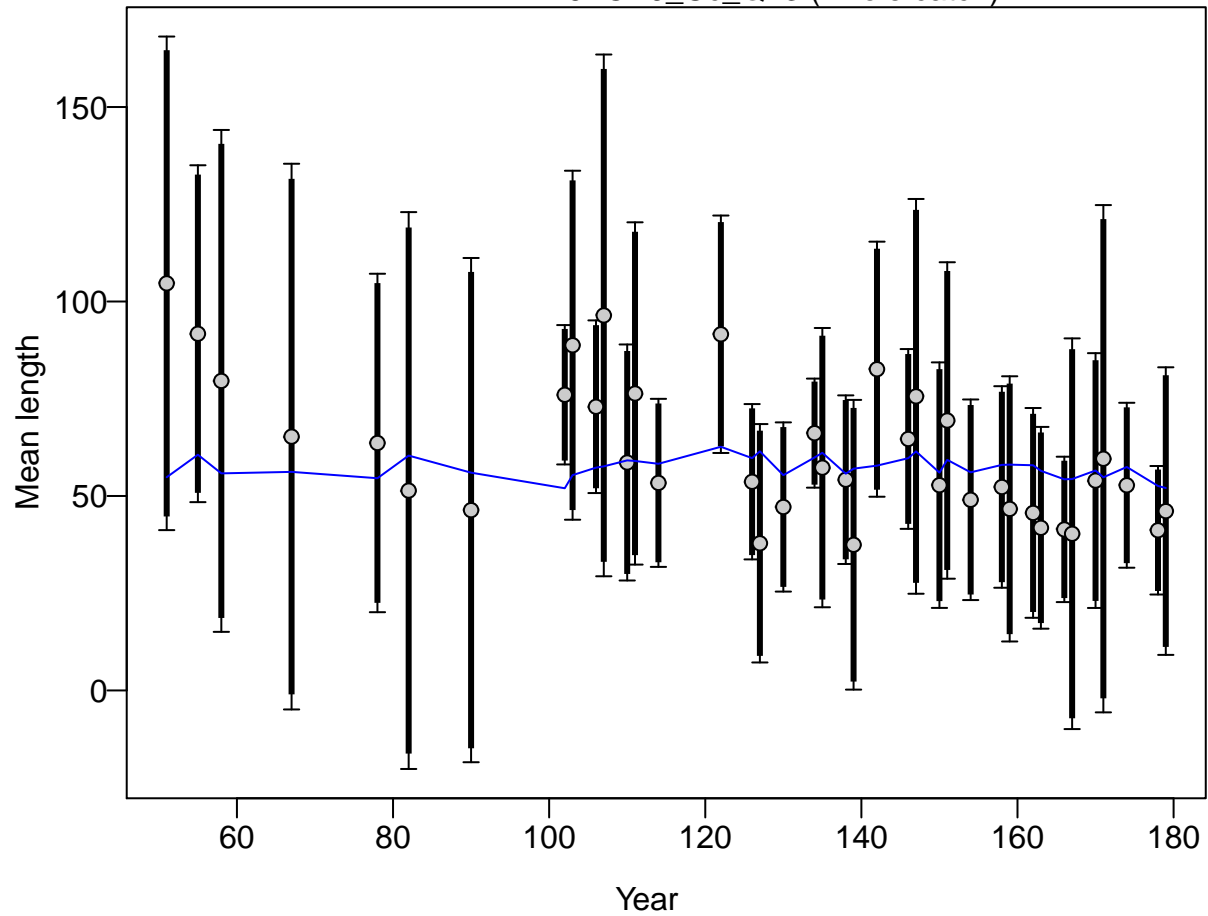
Length (cm)



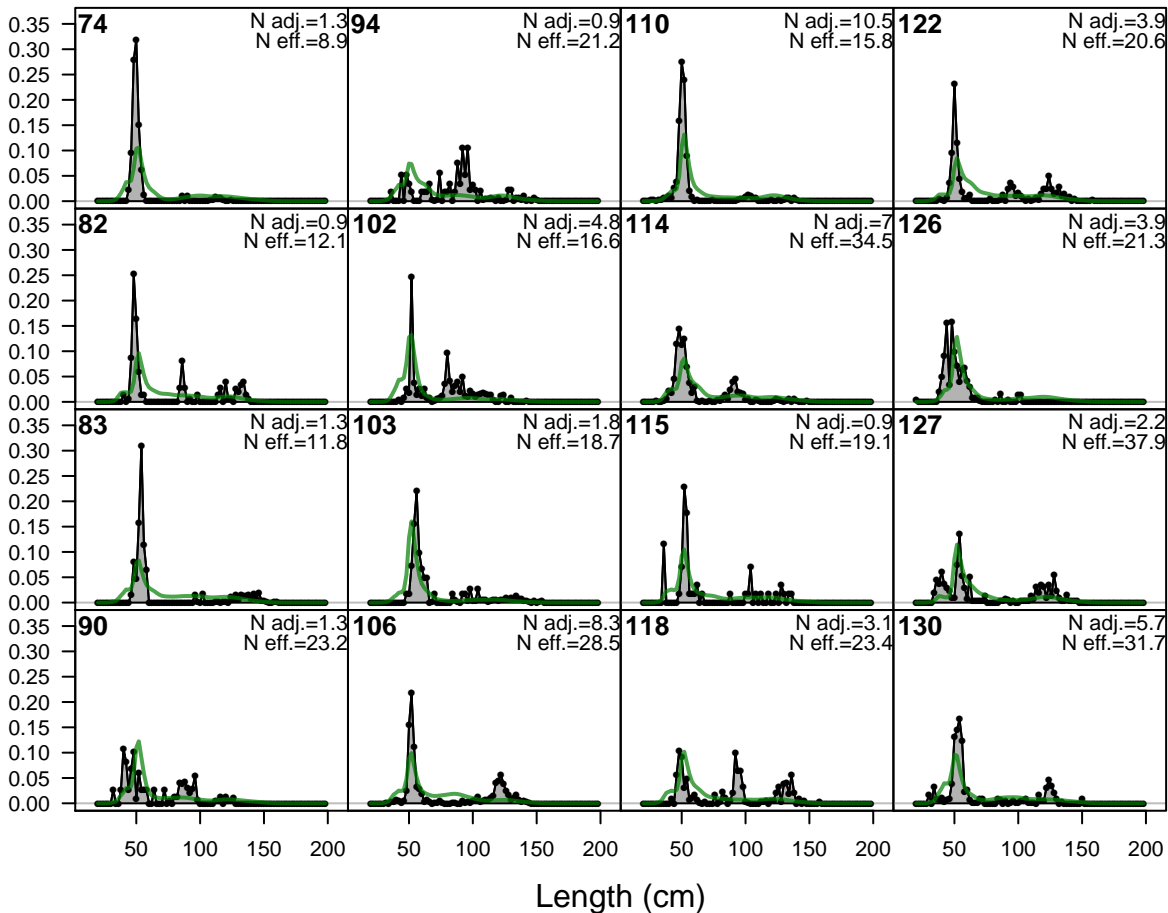
Effective sample size



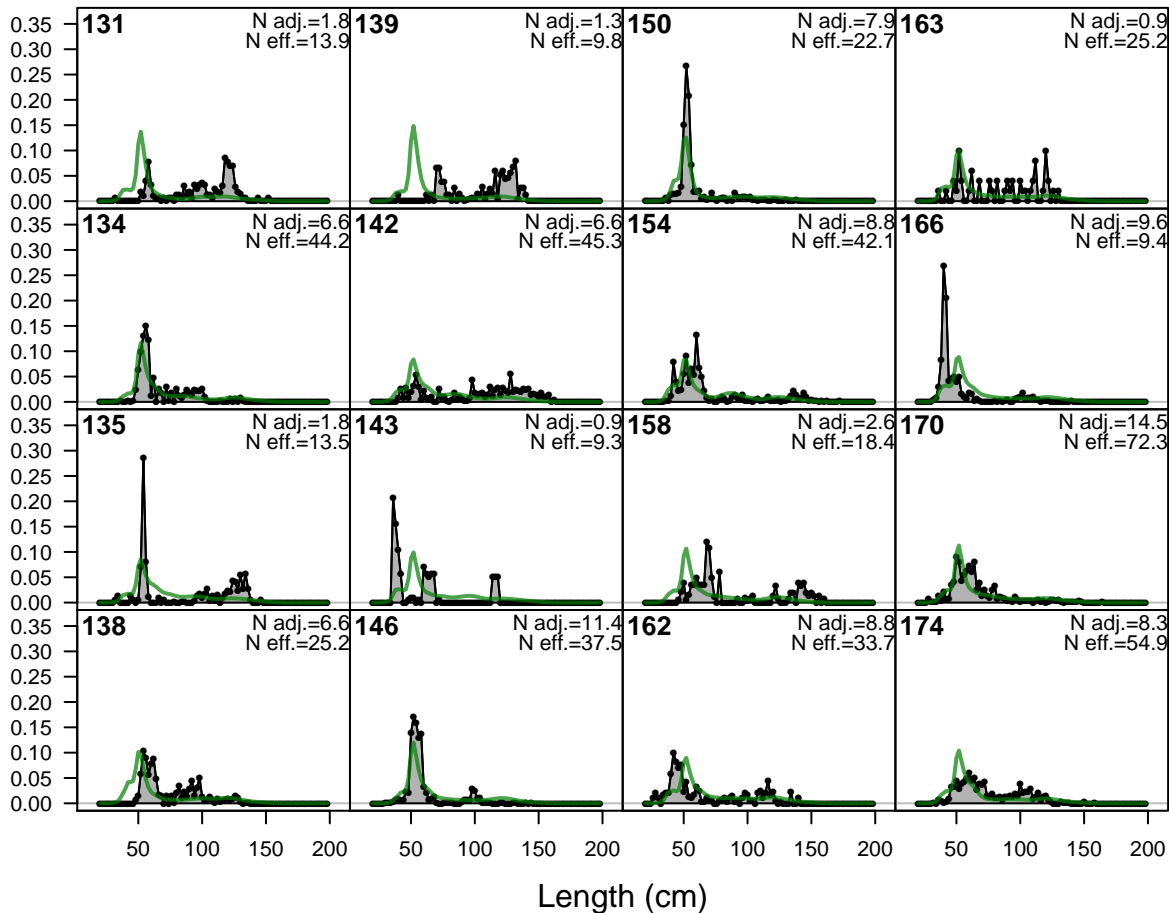
F9-OBJ_Cc_Q23 (whole catch)

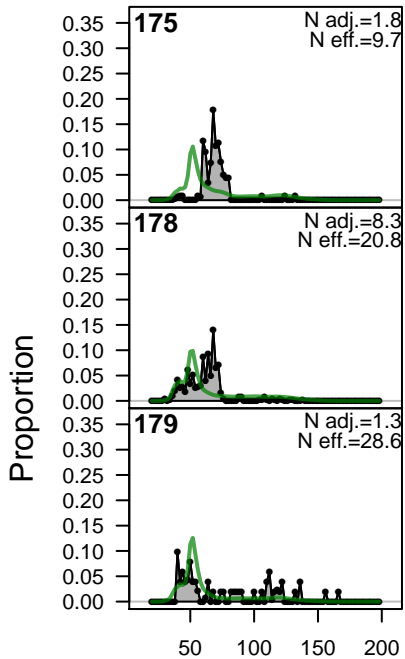


Proportion

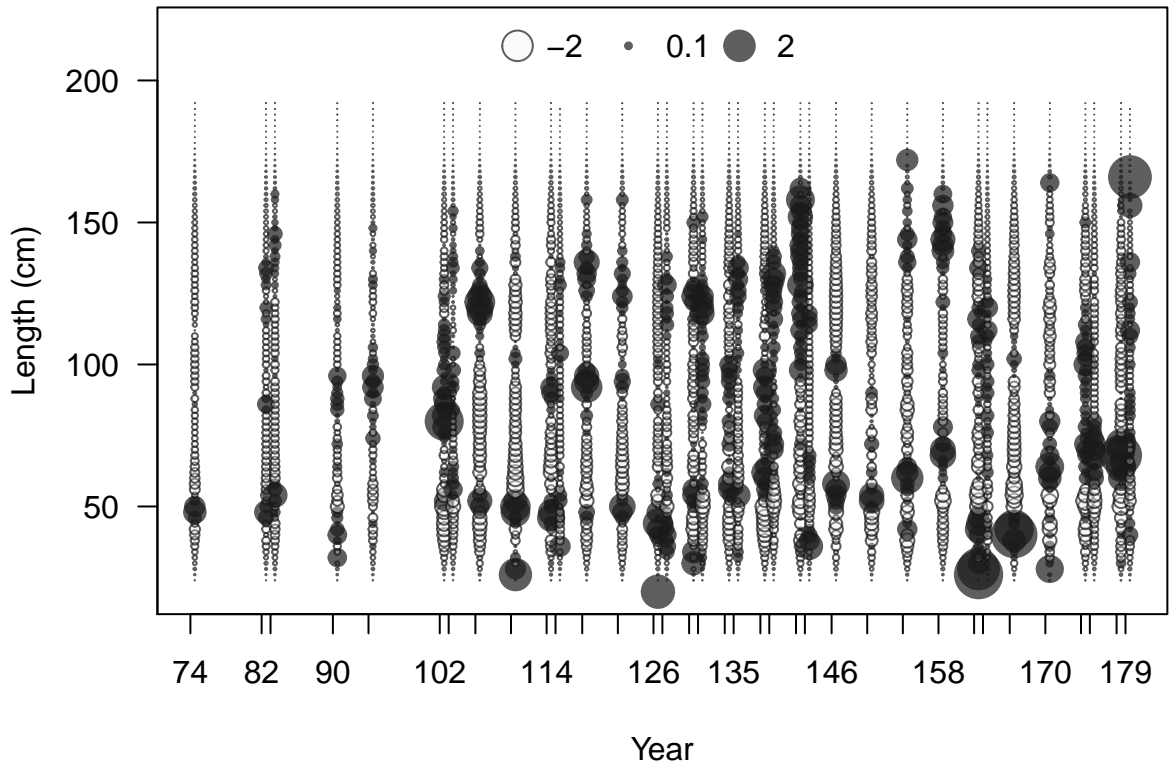


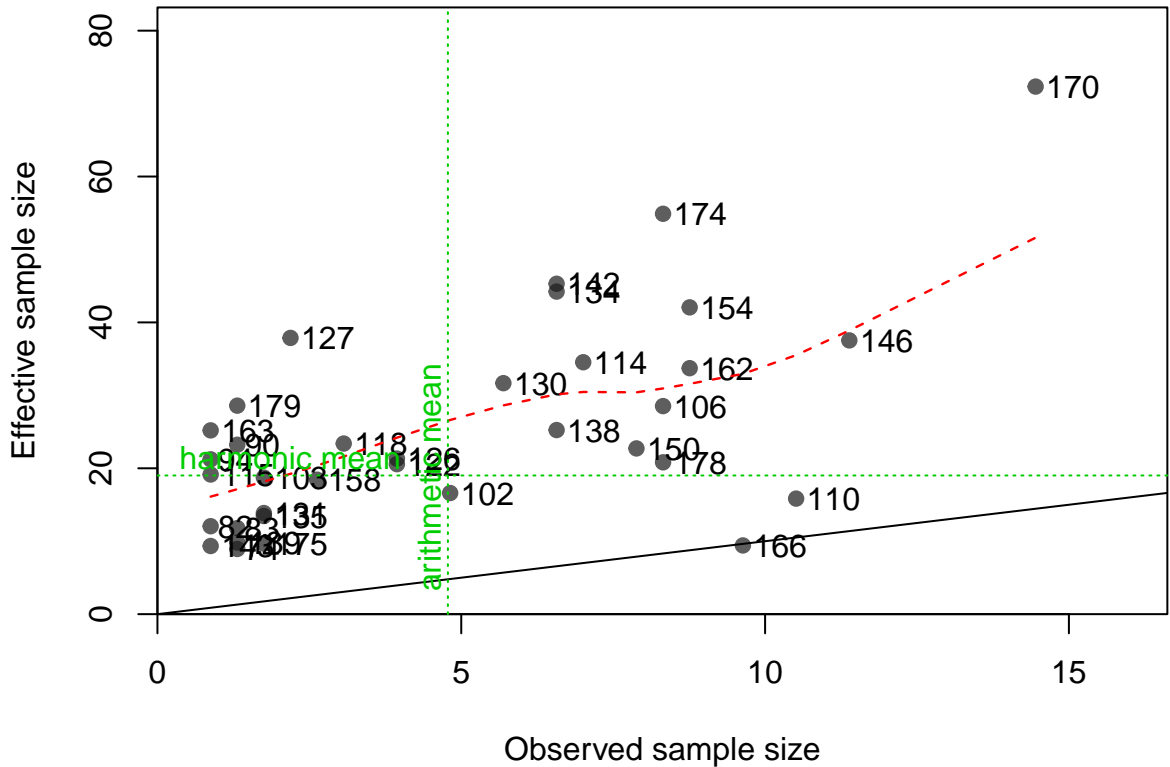
Proportion



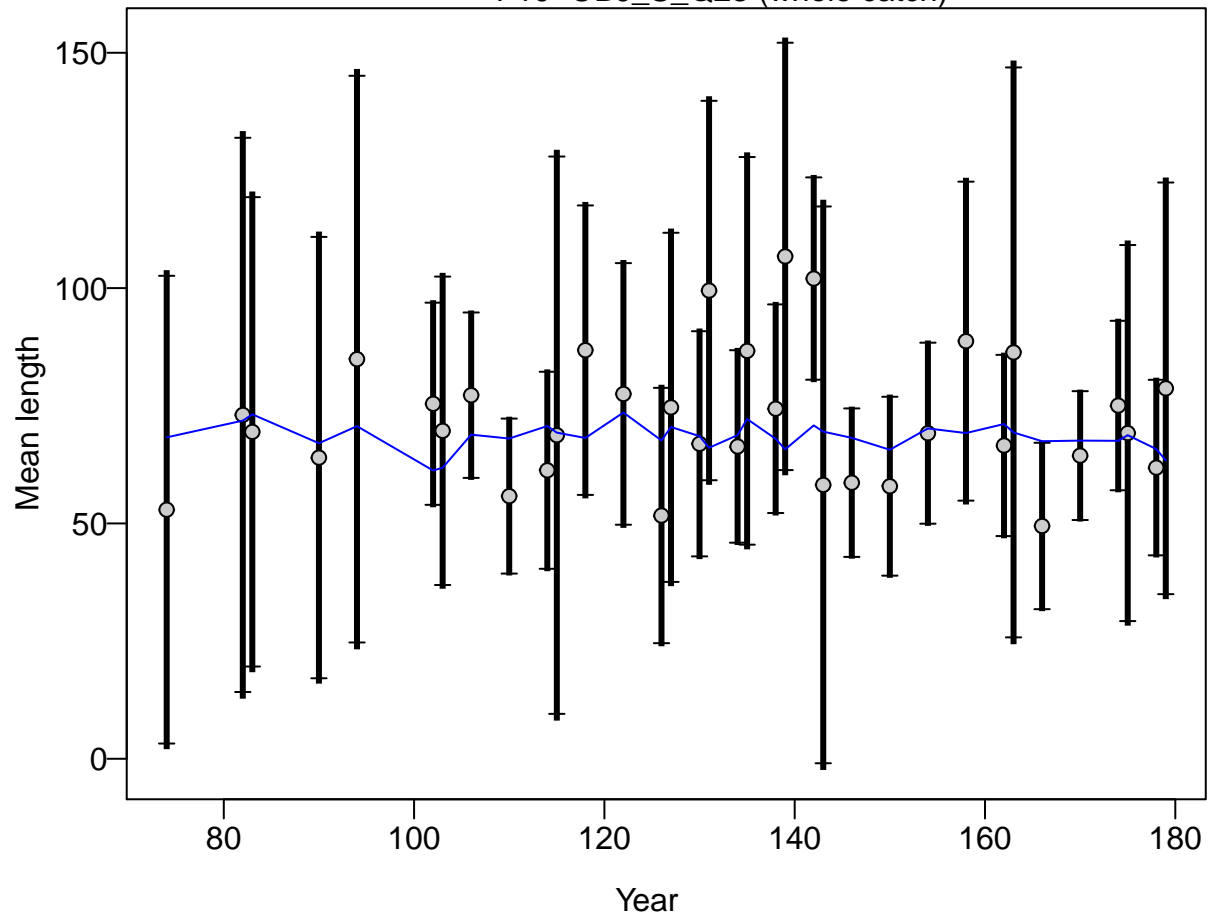


Length (cm)

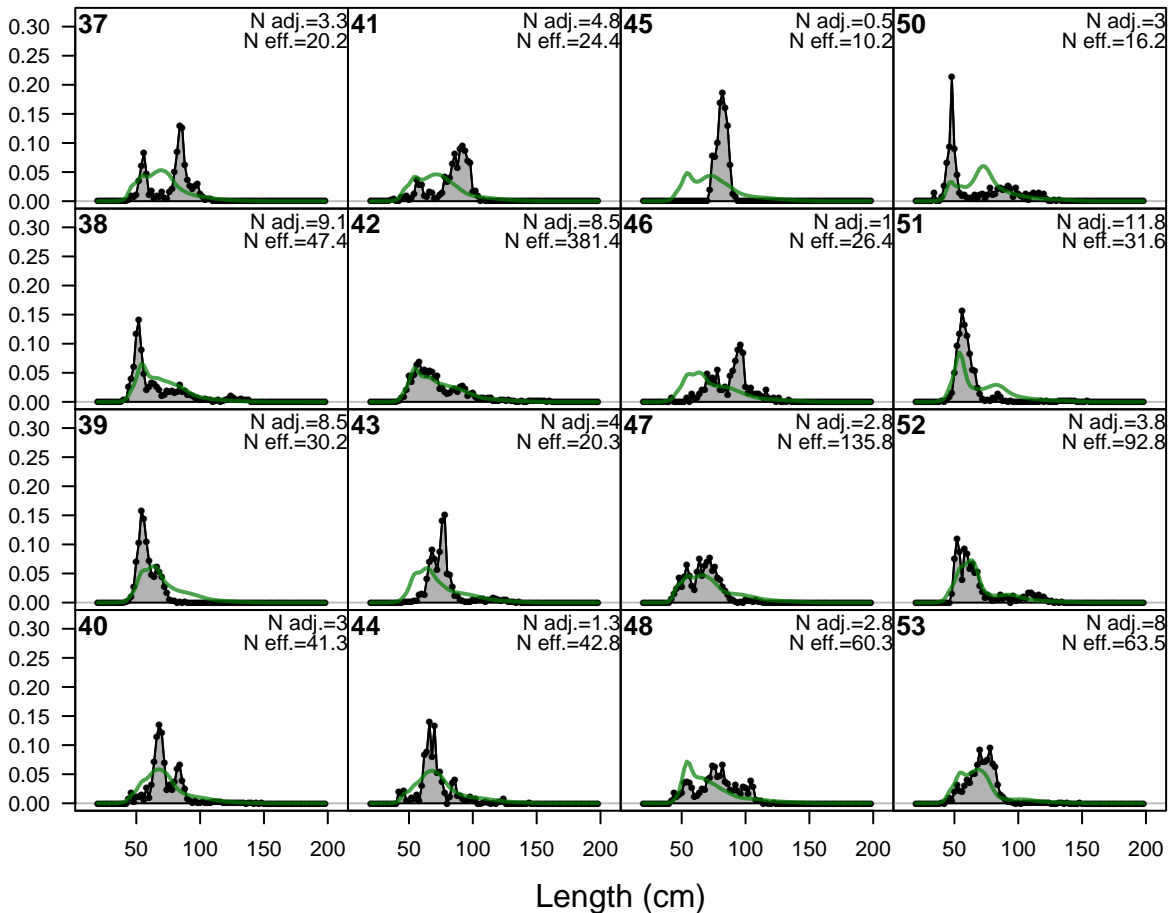




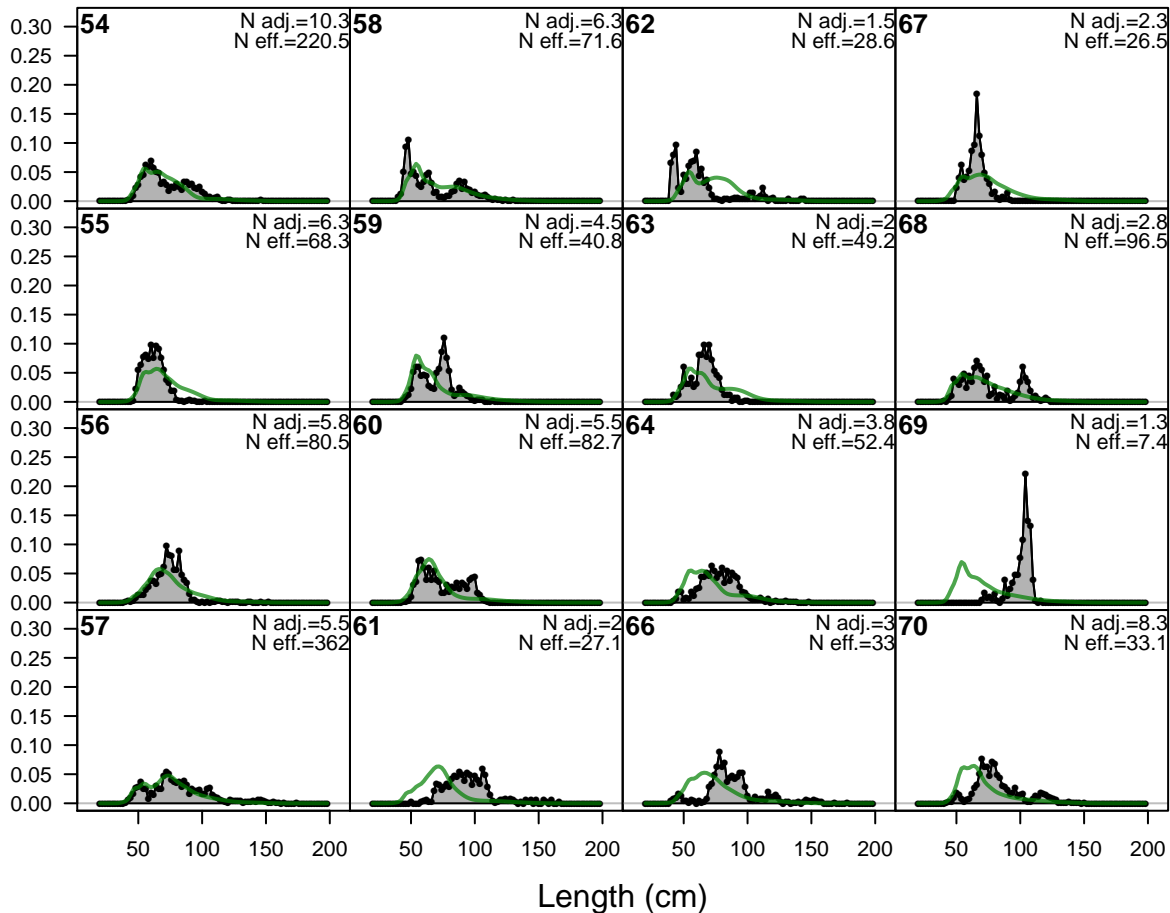
F10-OBJ_S_Q23 (whole catch)



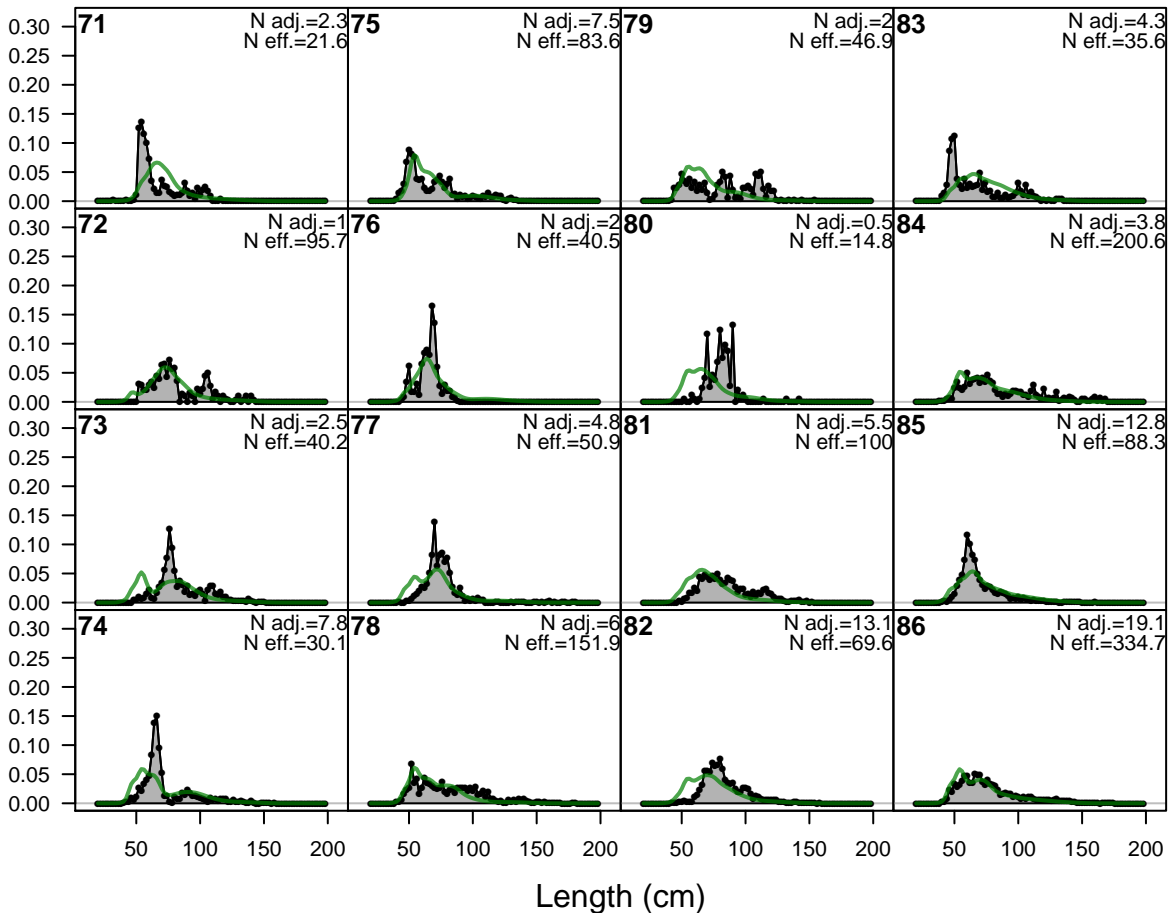
Proportion



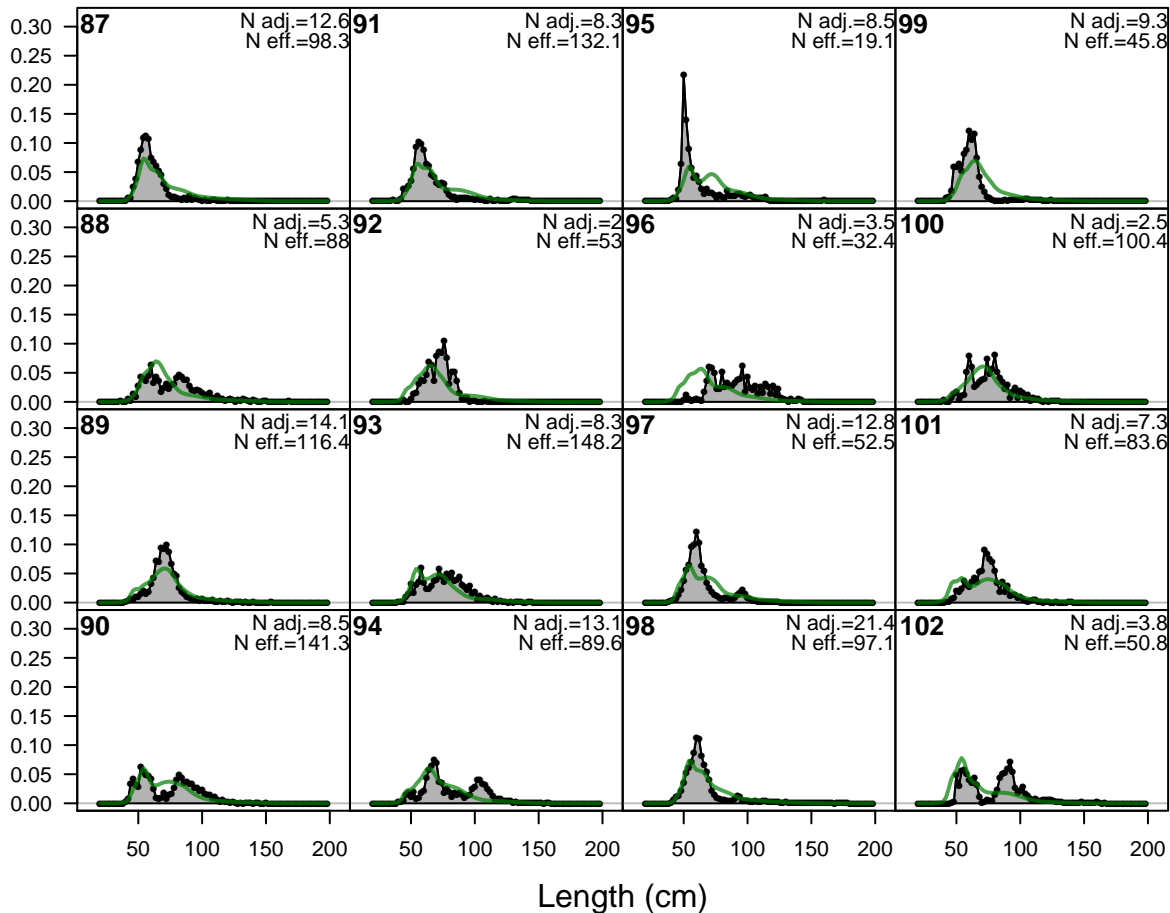
Proportion



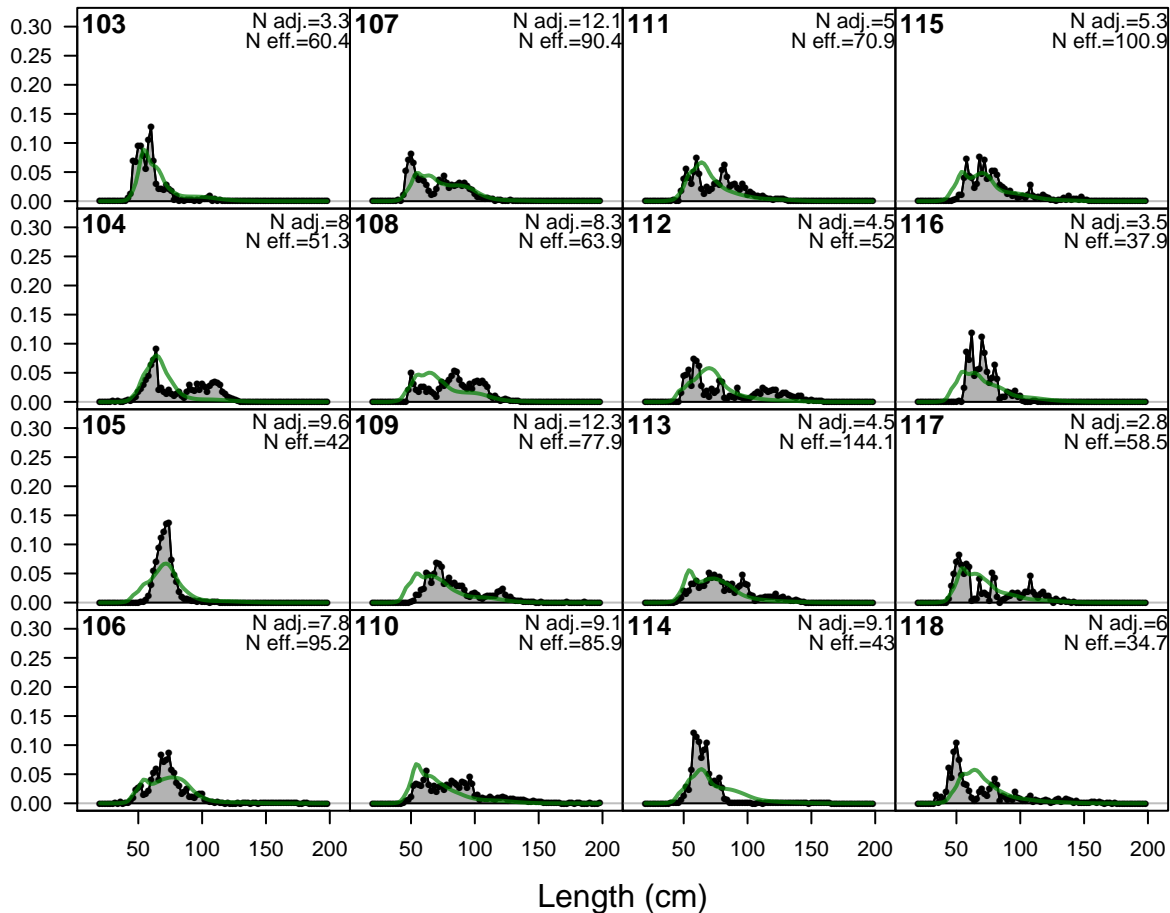
Proportion



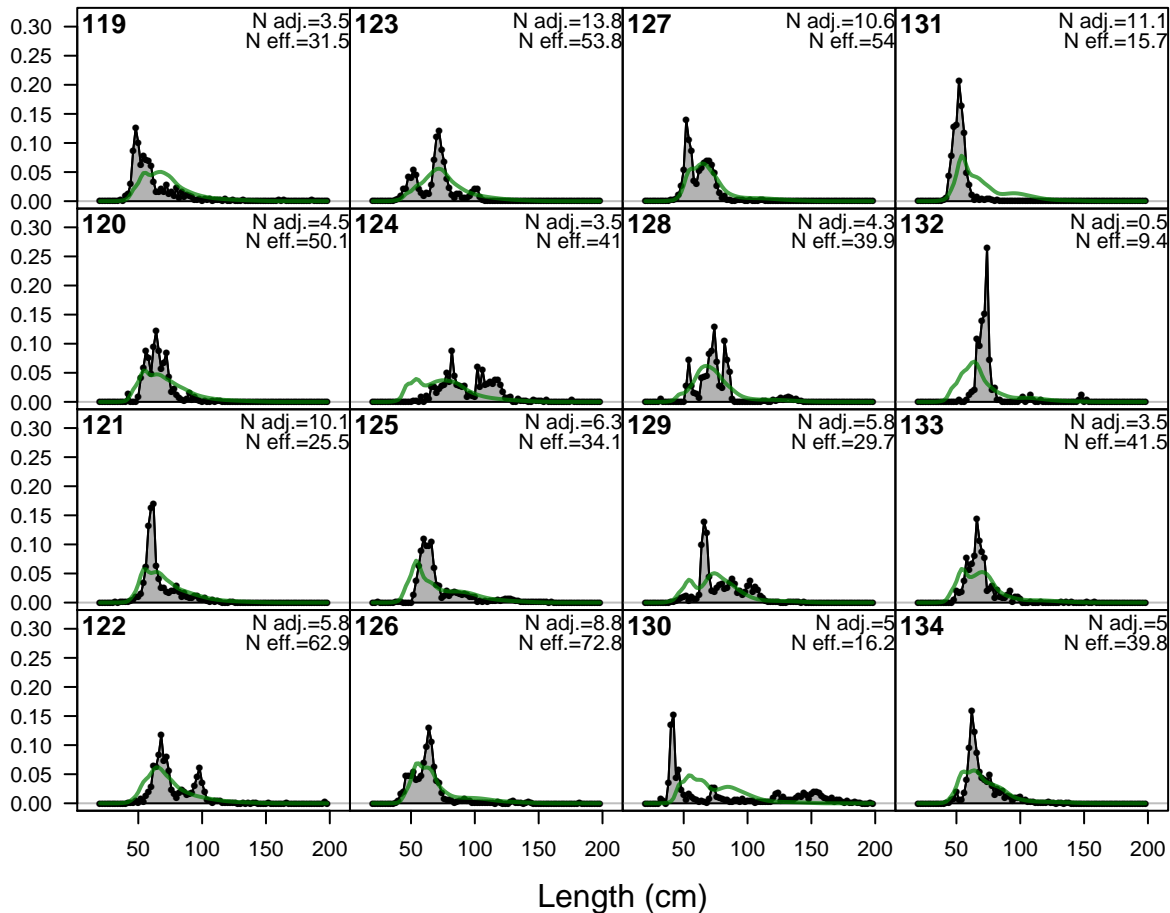
Proportion



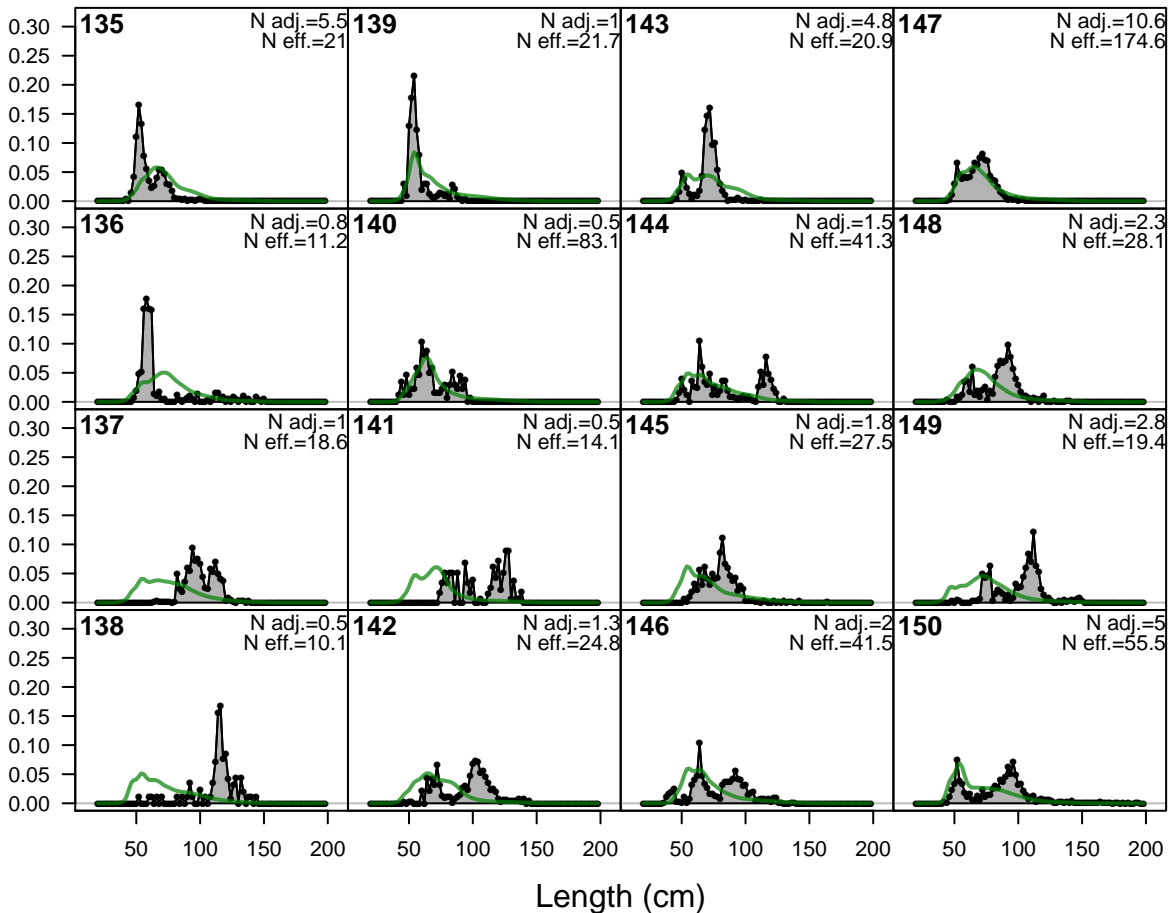
Proportion



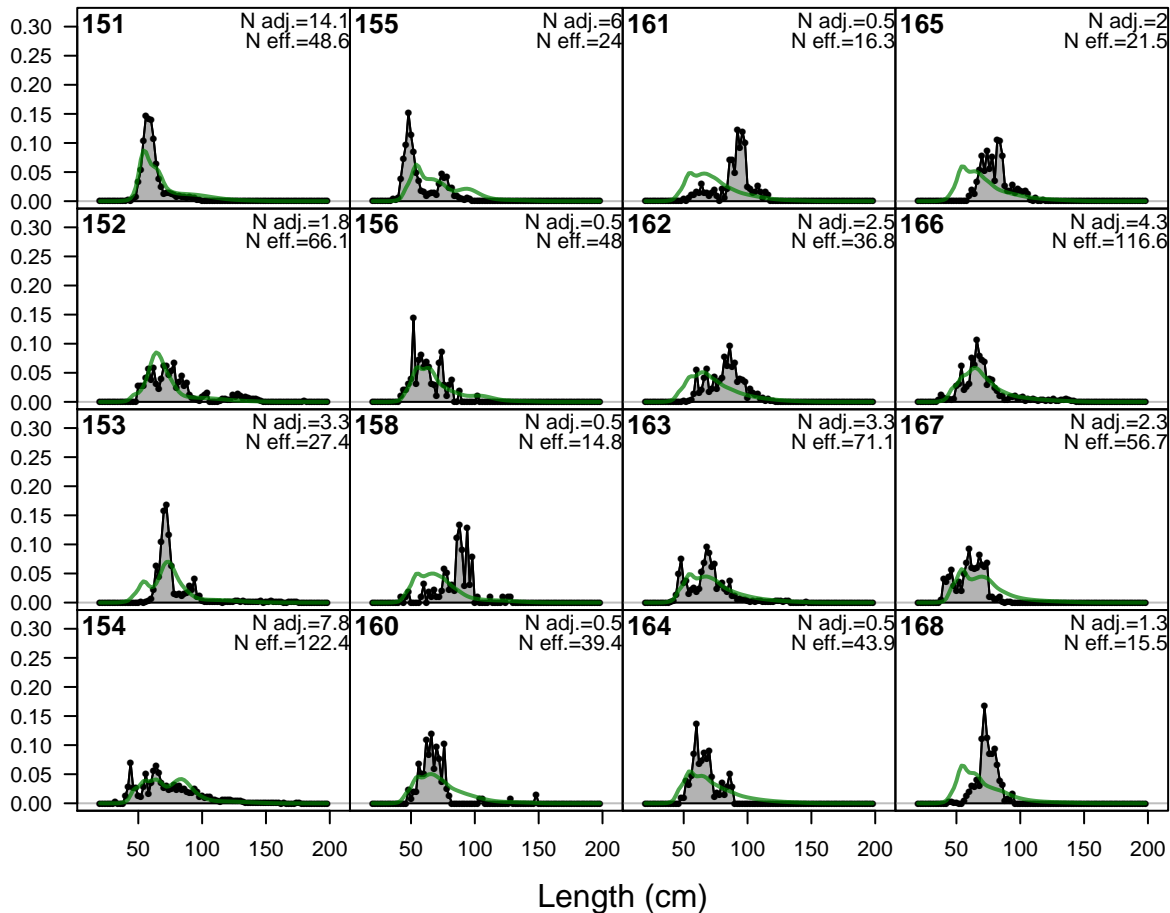
Proportion



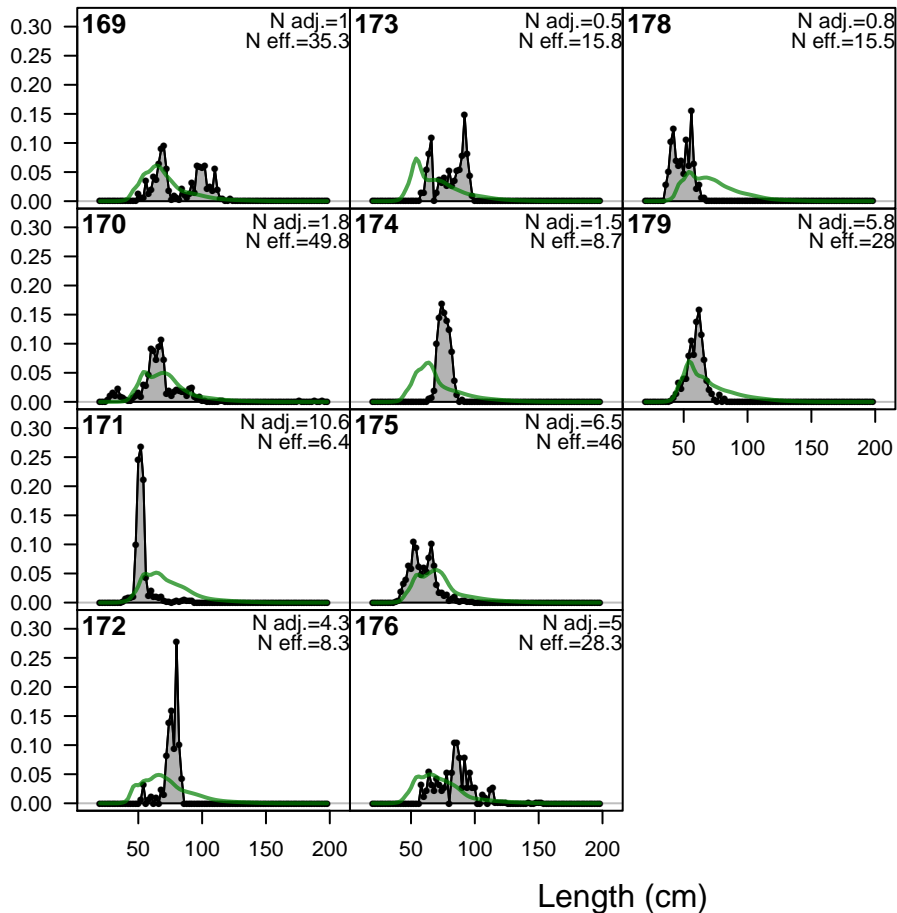
Proportion

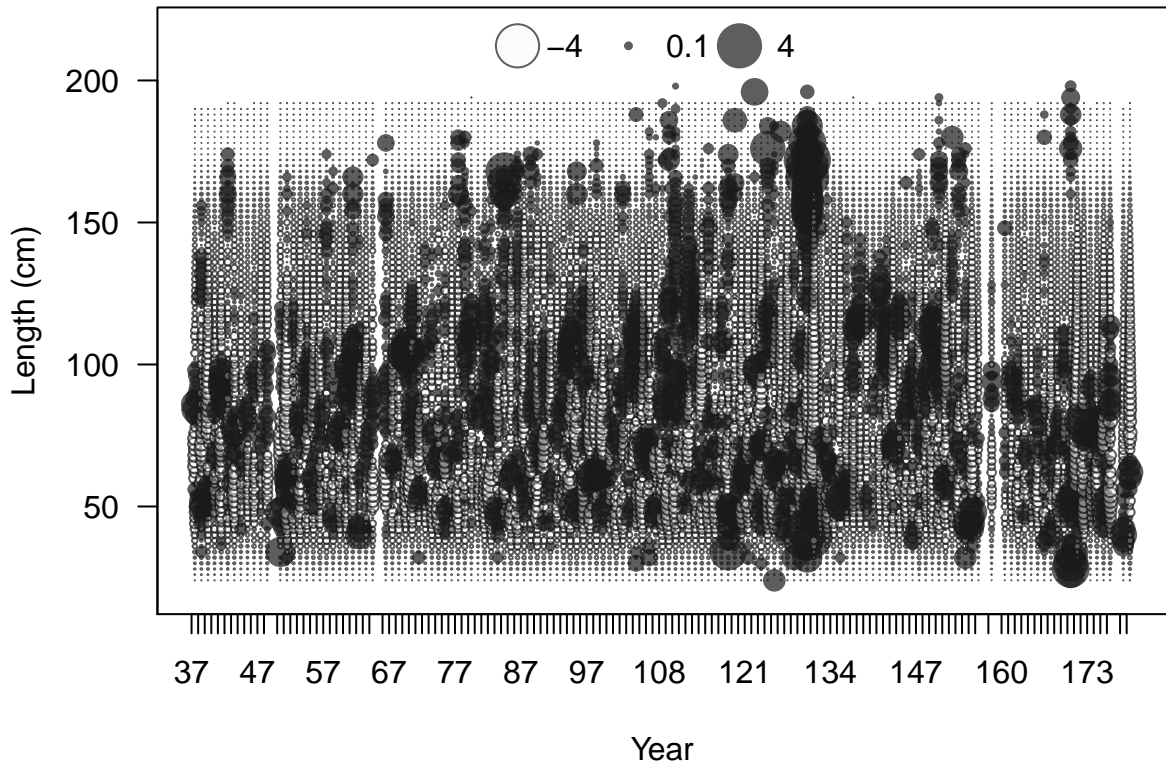


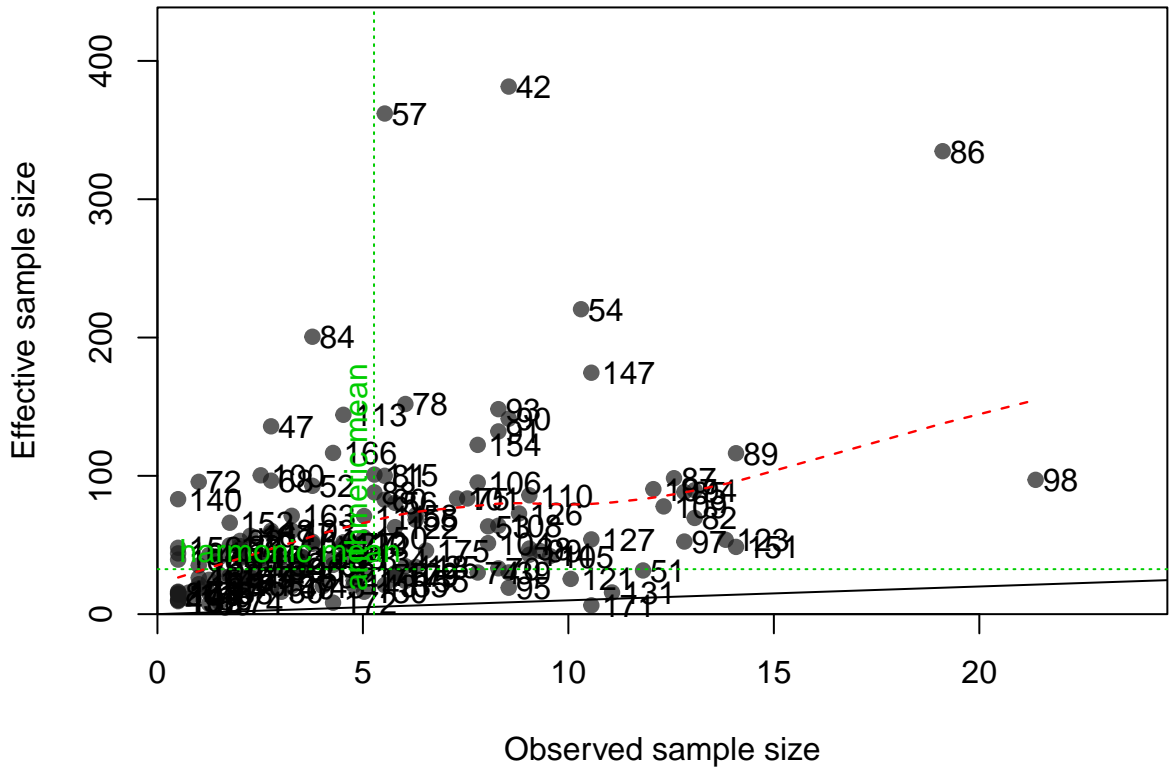
Proportion



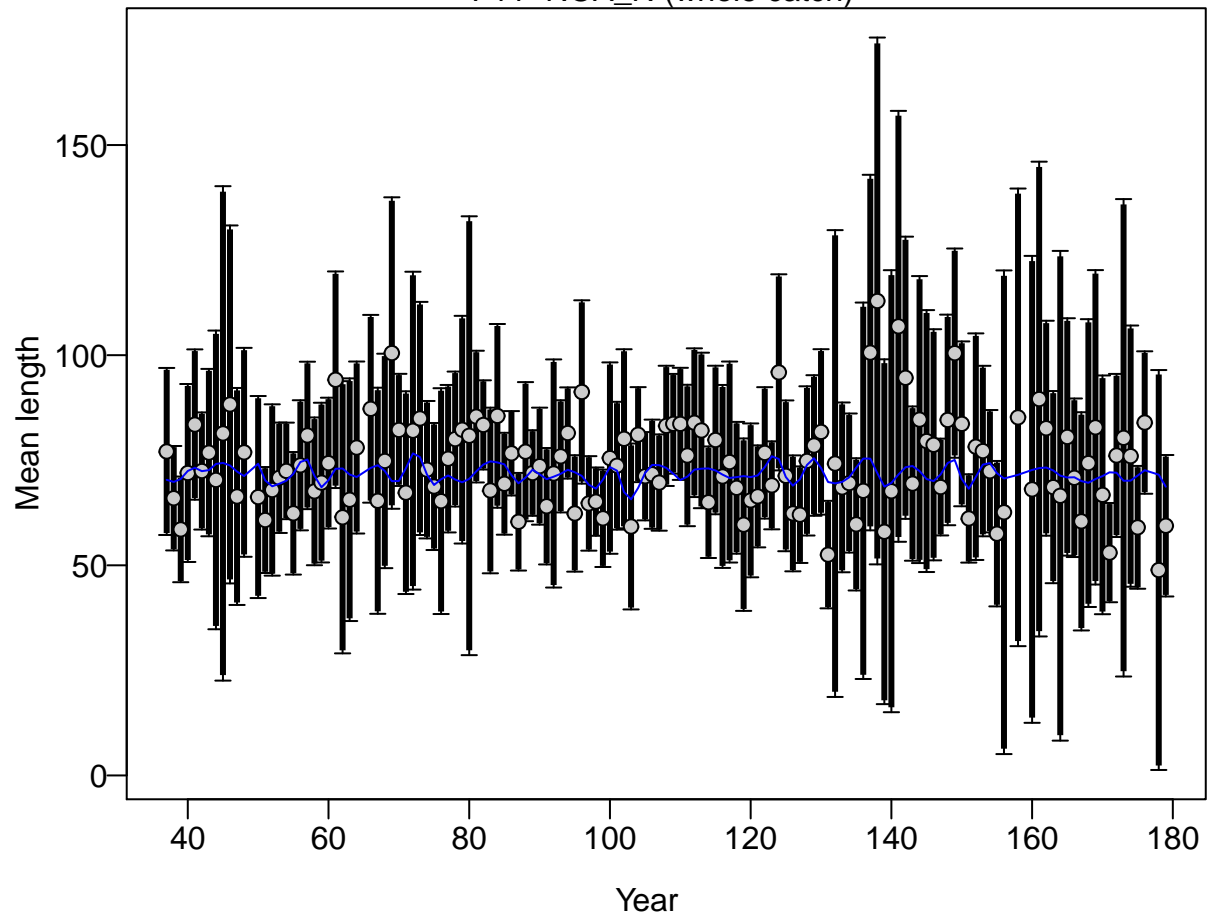
Proportion



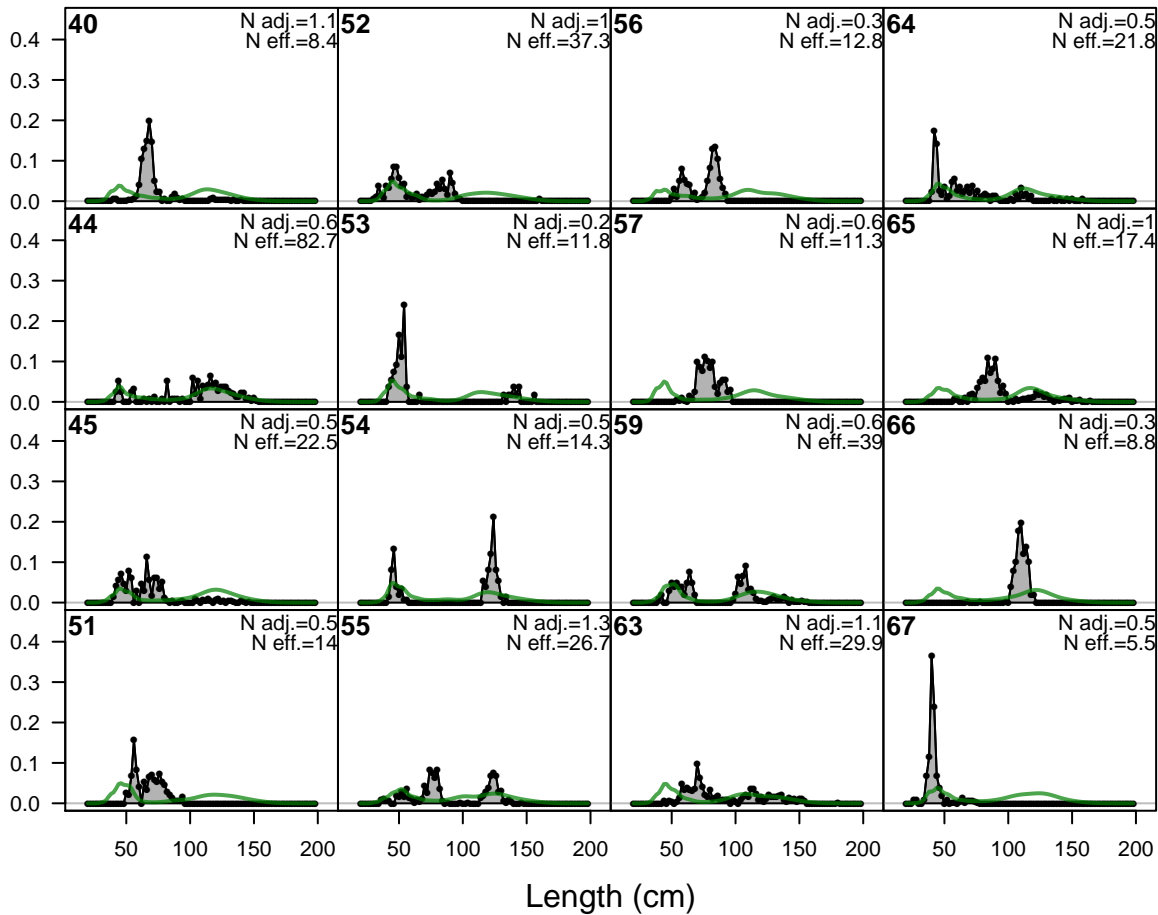




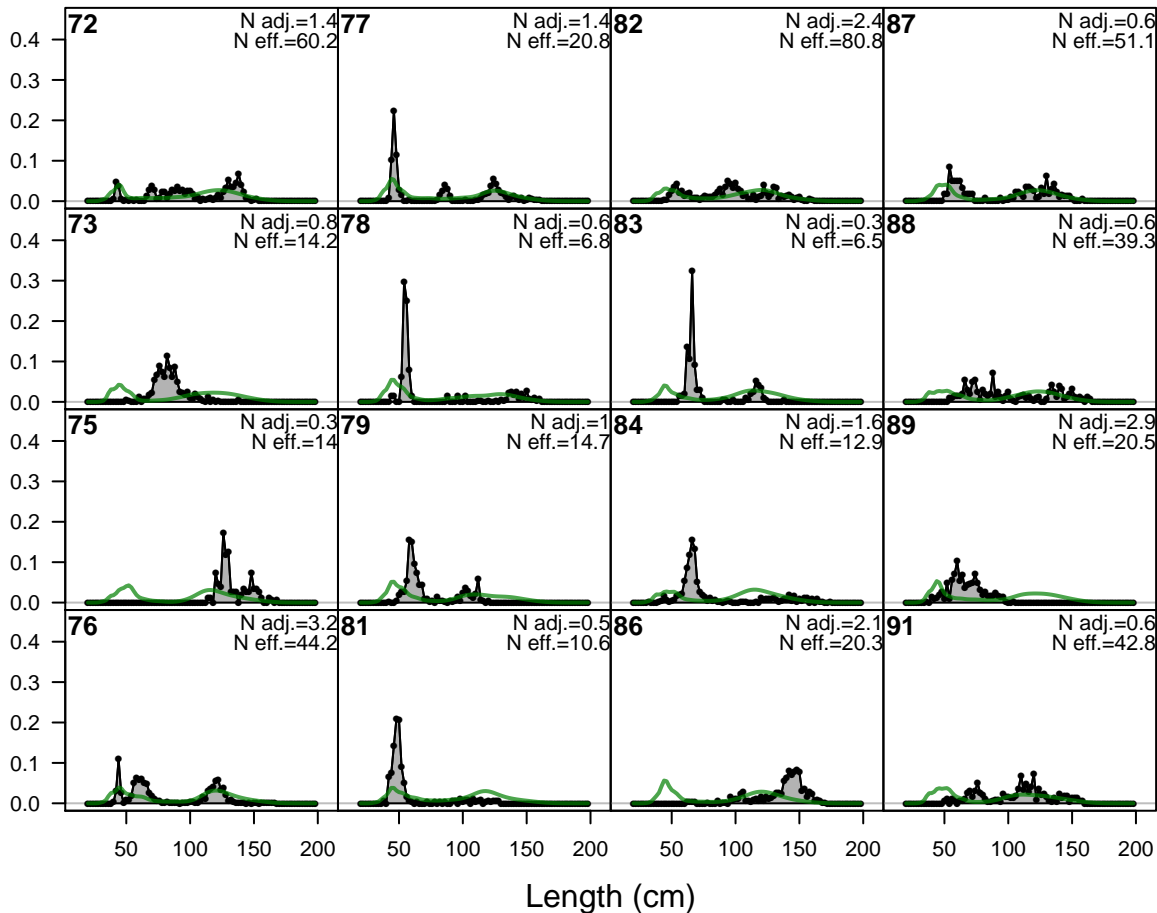
F11-NOA_N (whole catch)



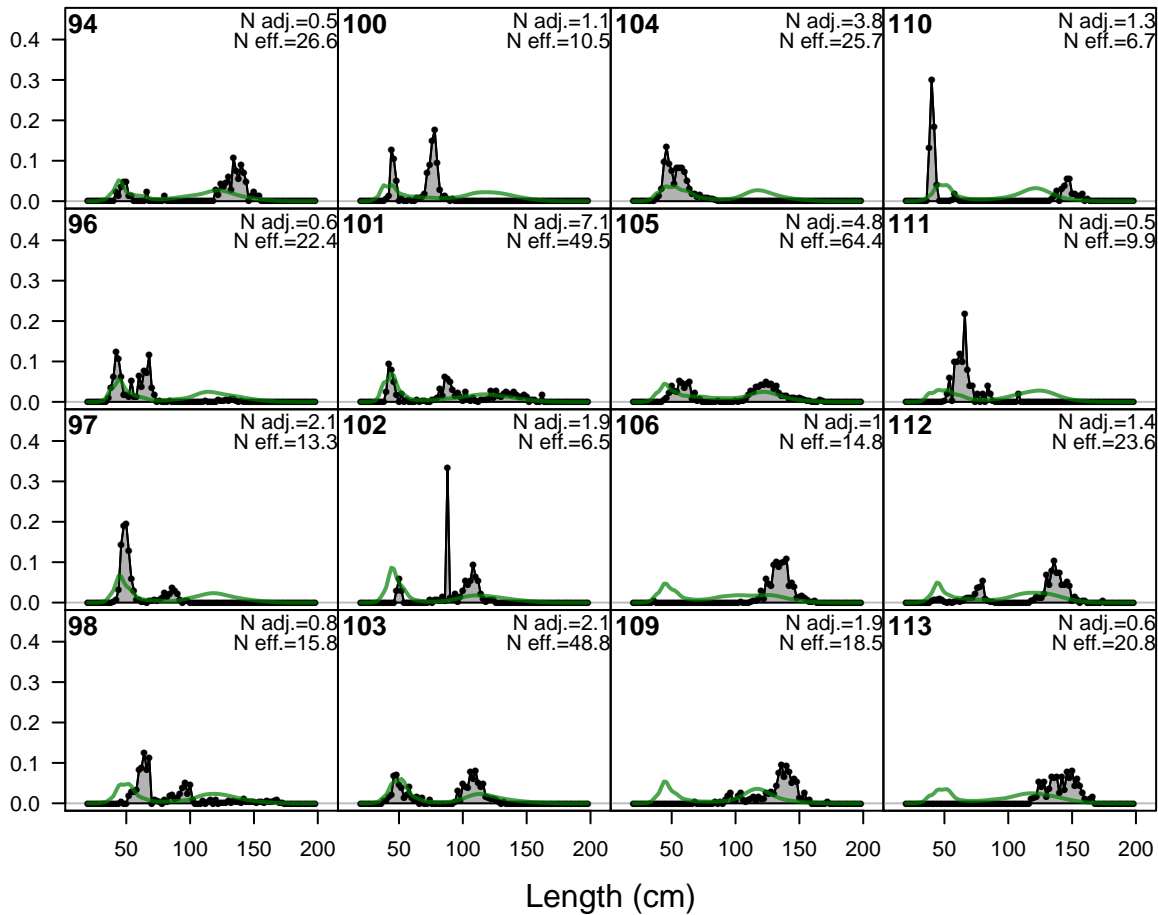
Proportion



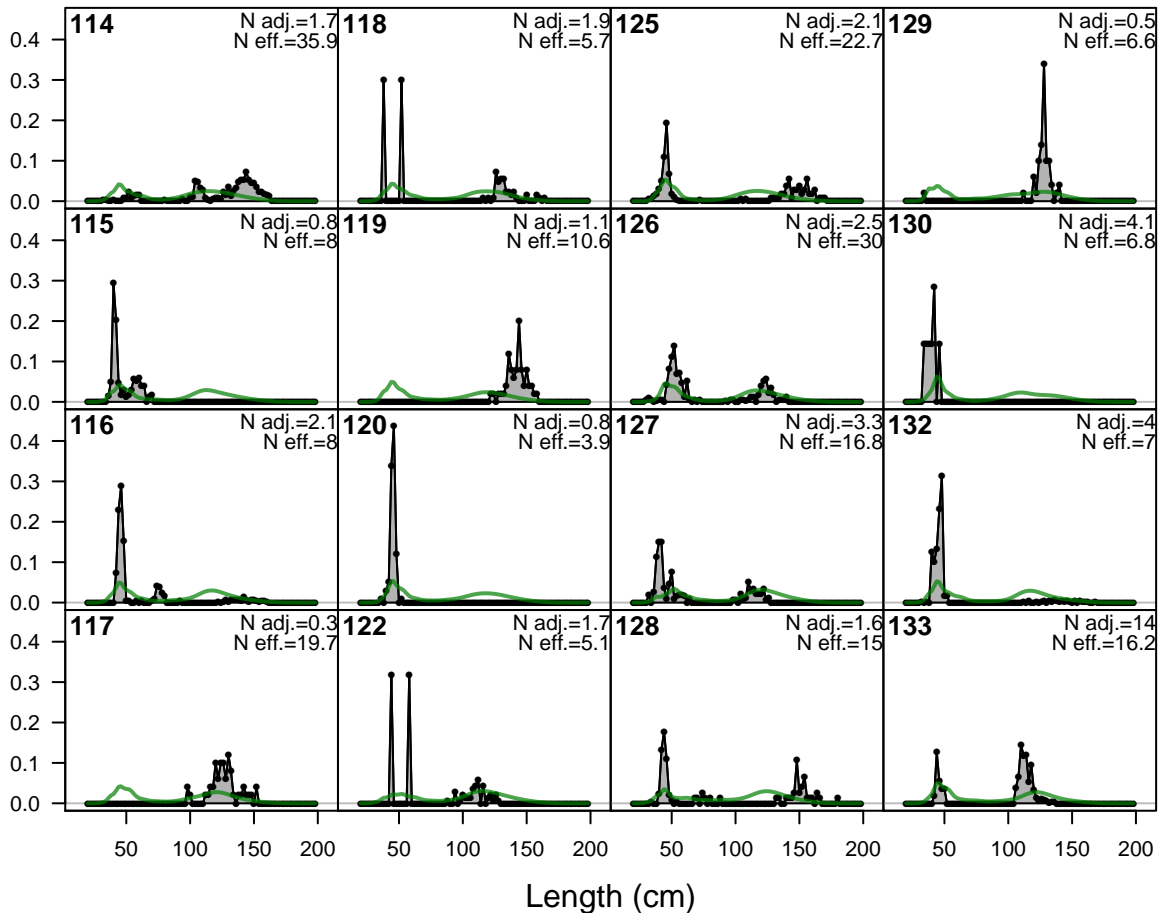
Proportion



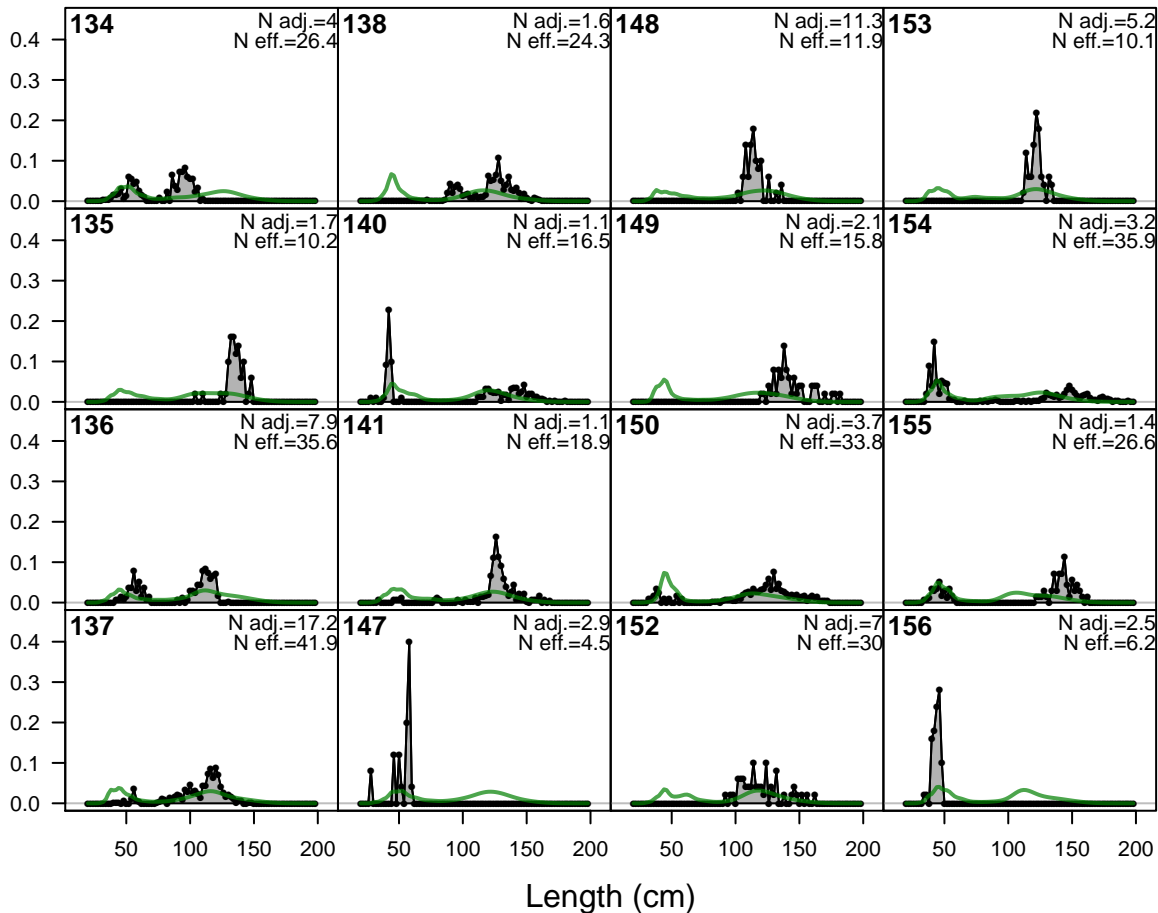
Proportion



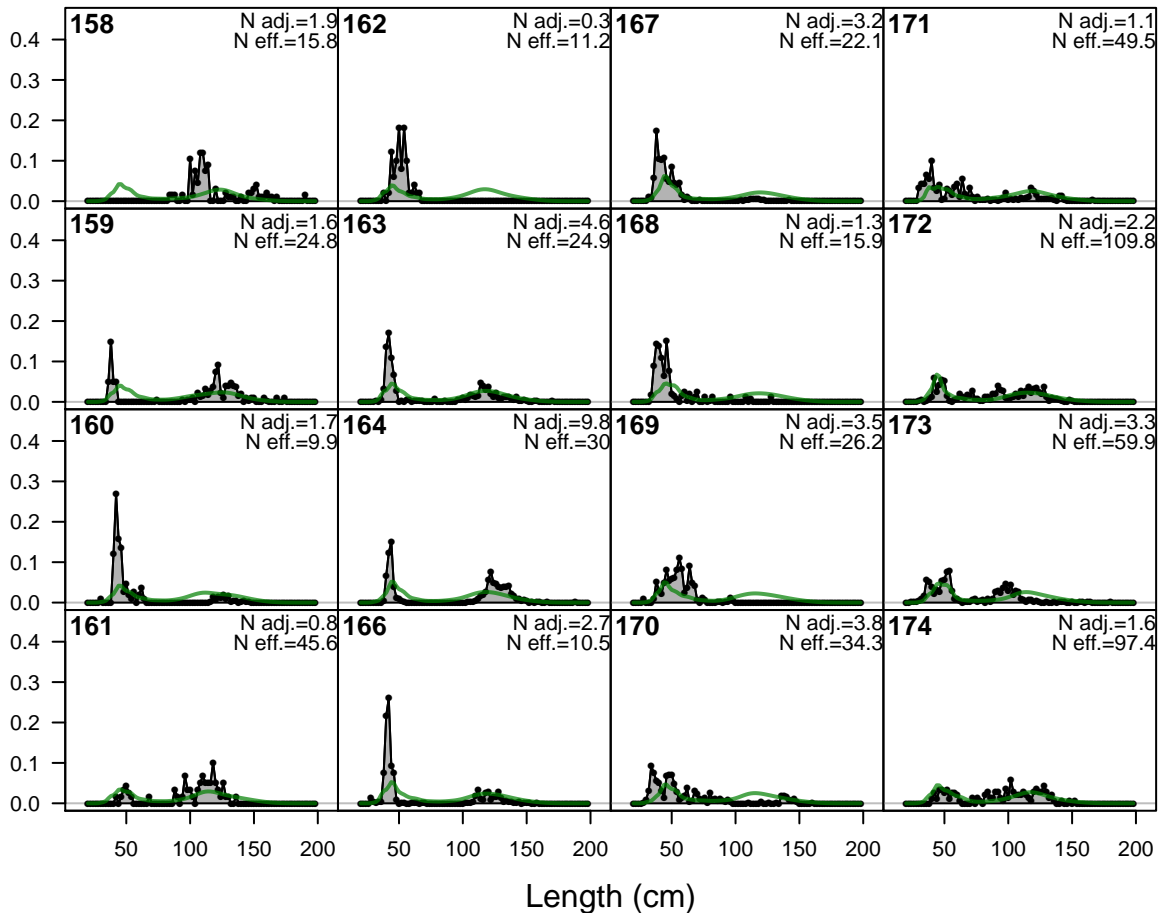
Proportion



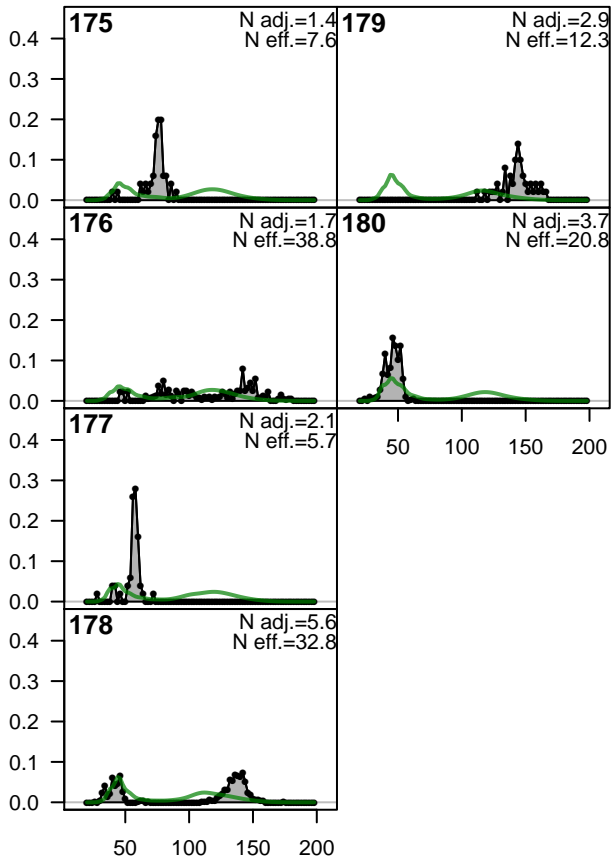
Proportion



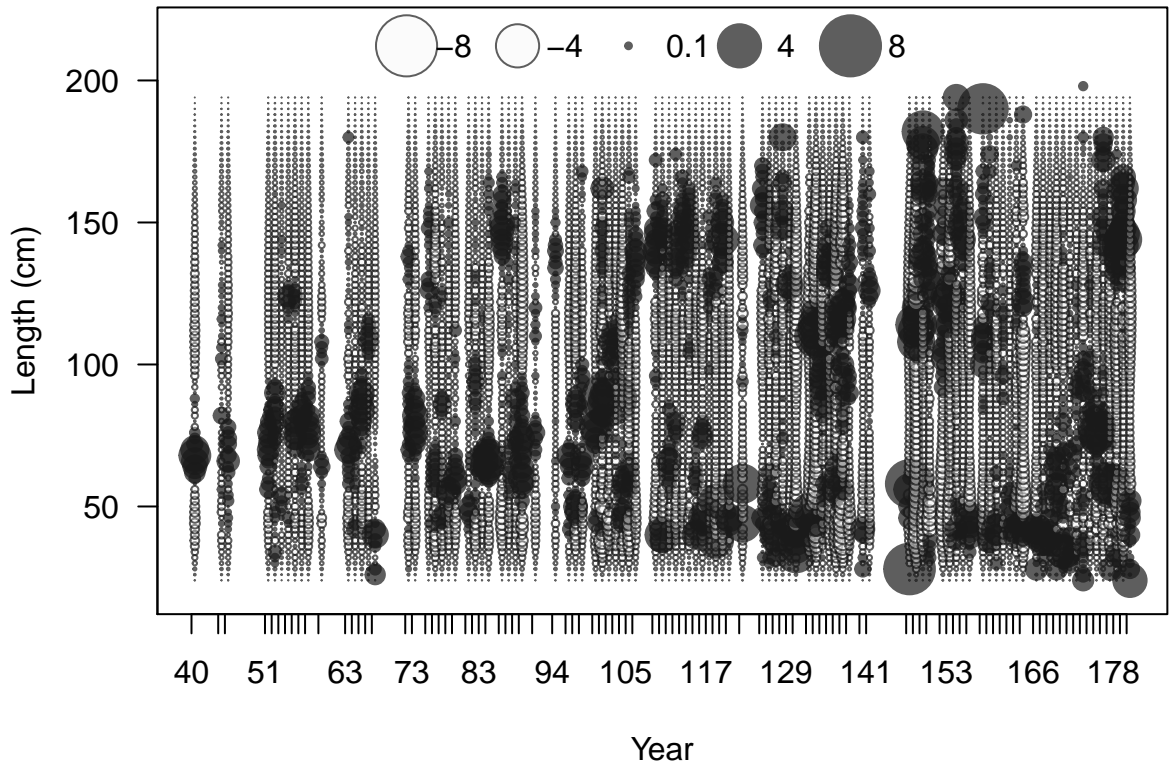
Proportion

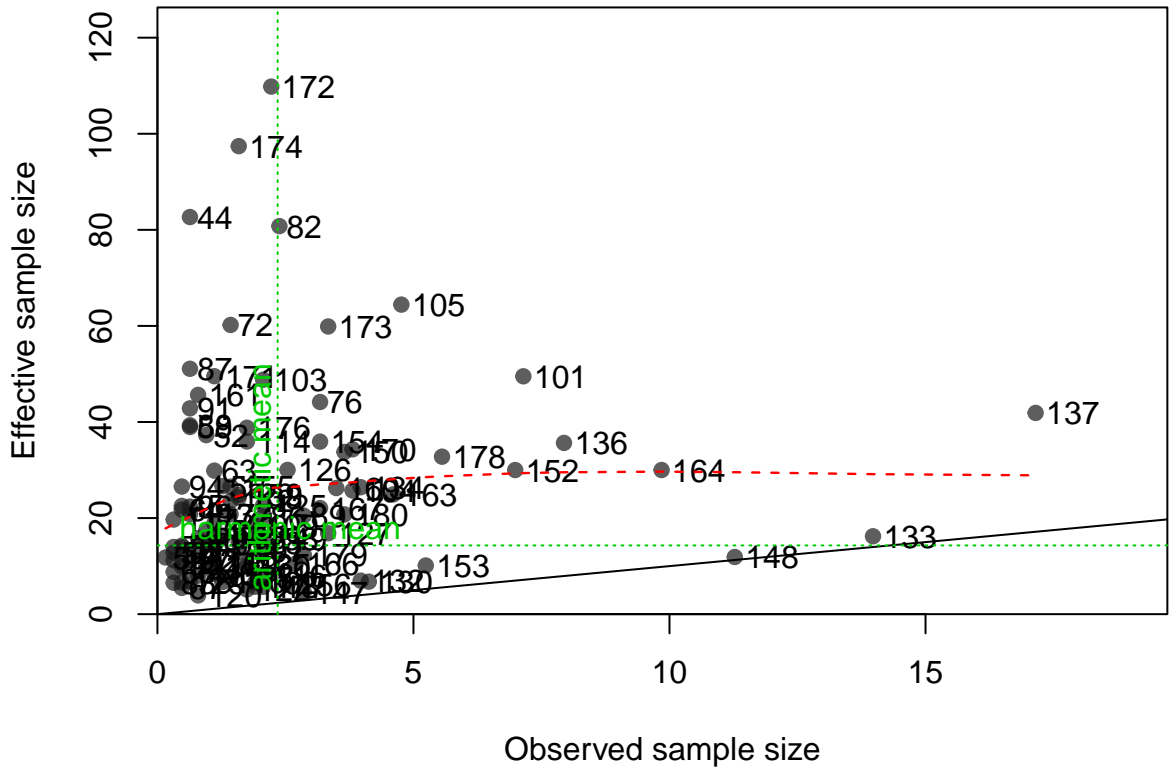


Proportion

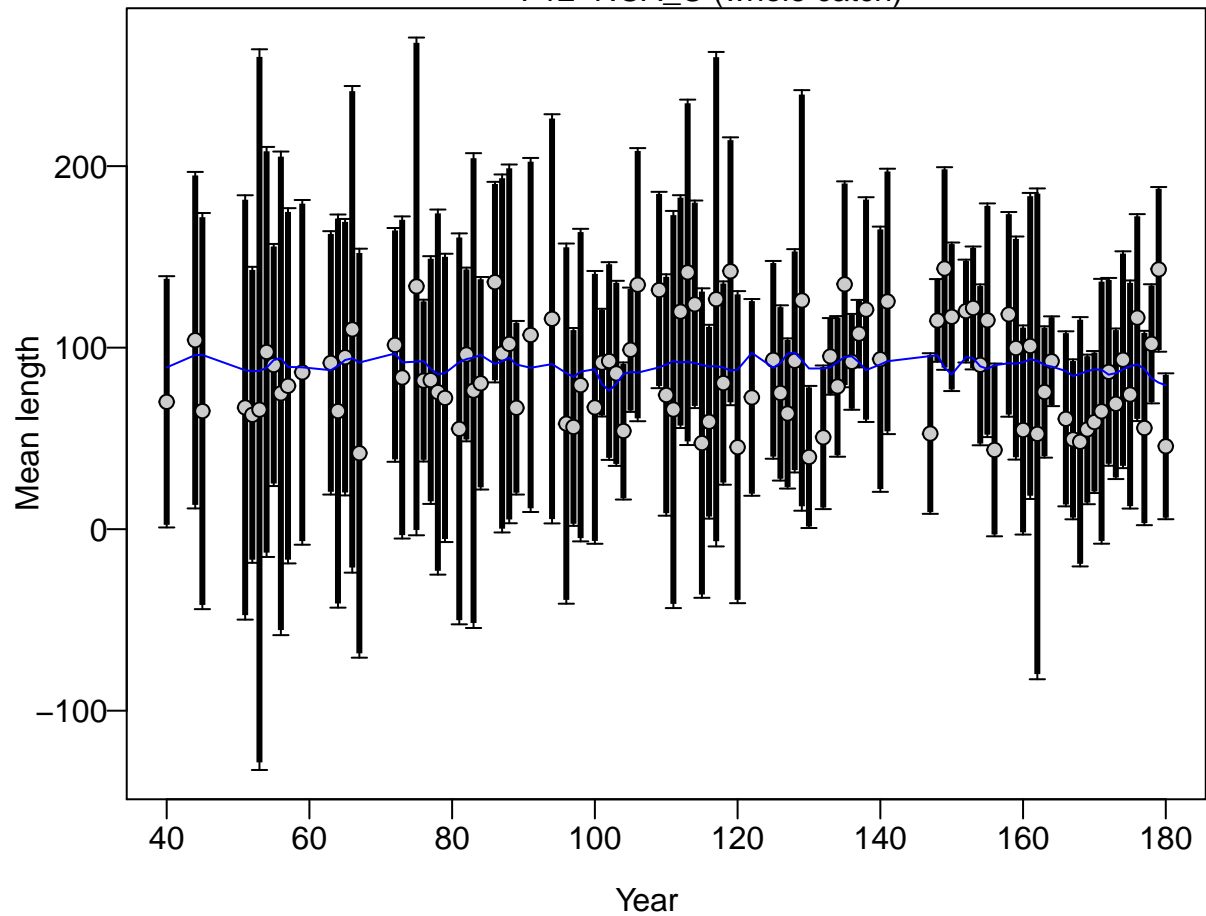


Length (cm)

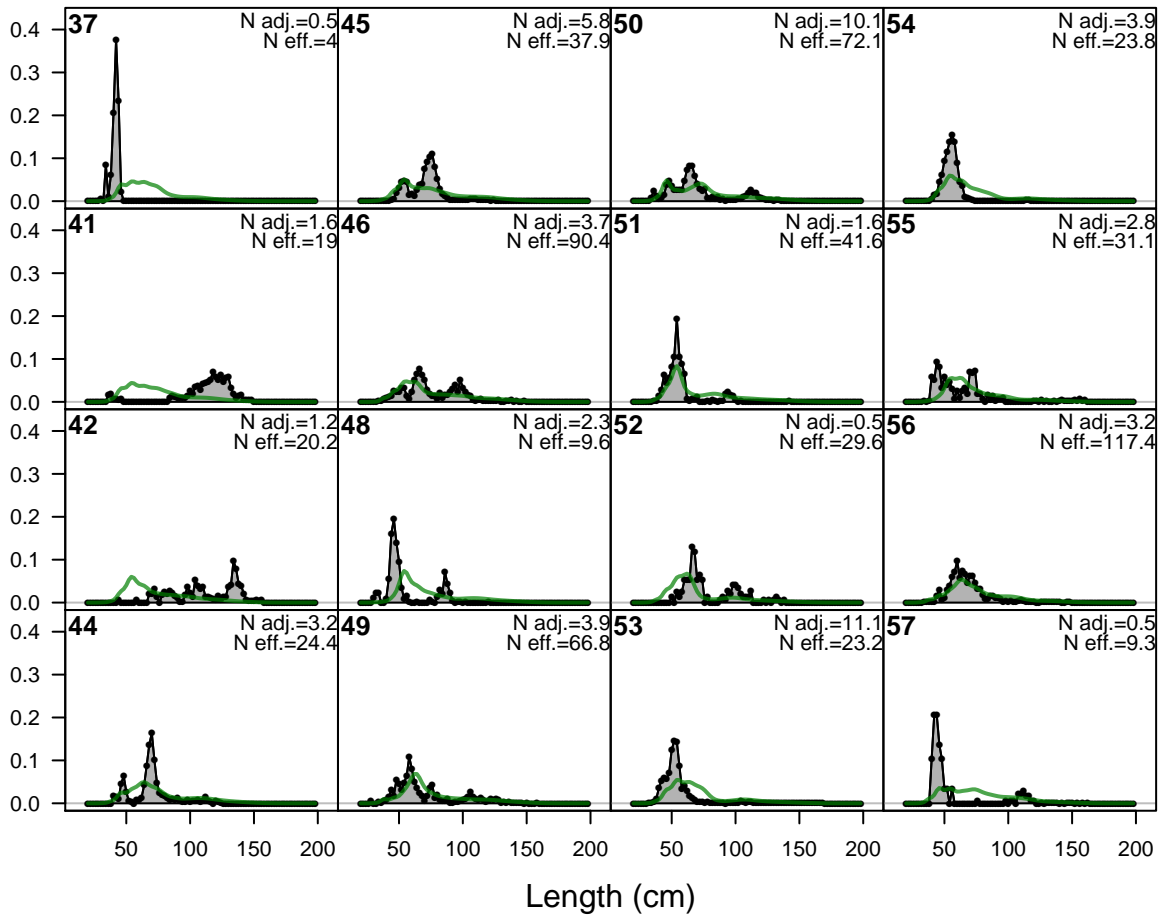




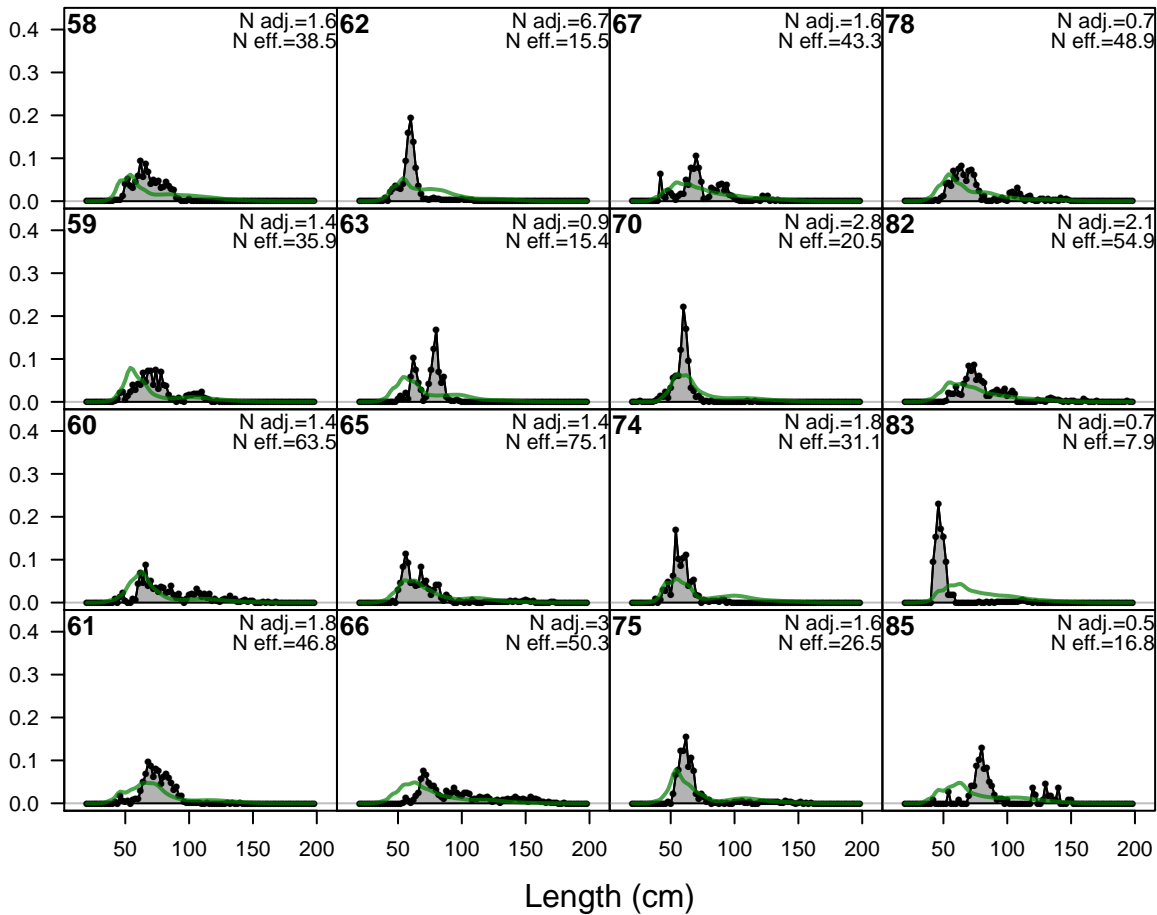
F12-NOA_C (whole catch)



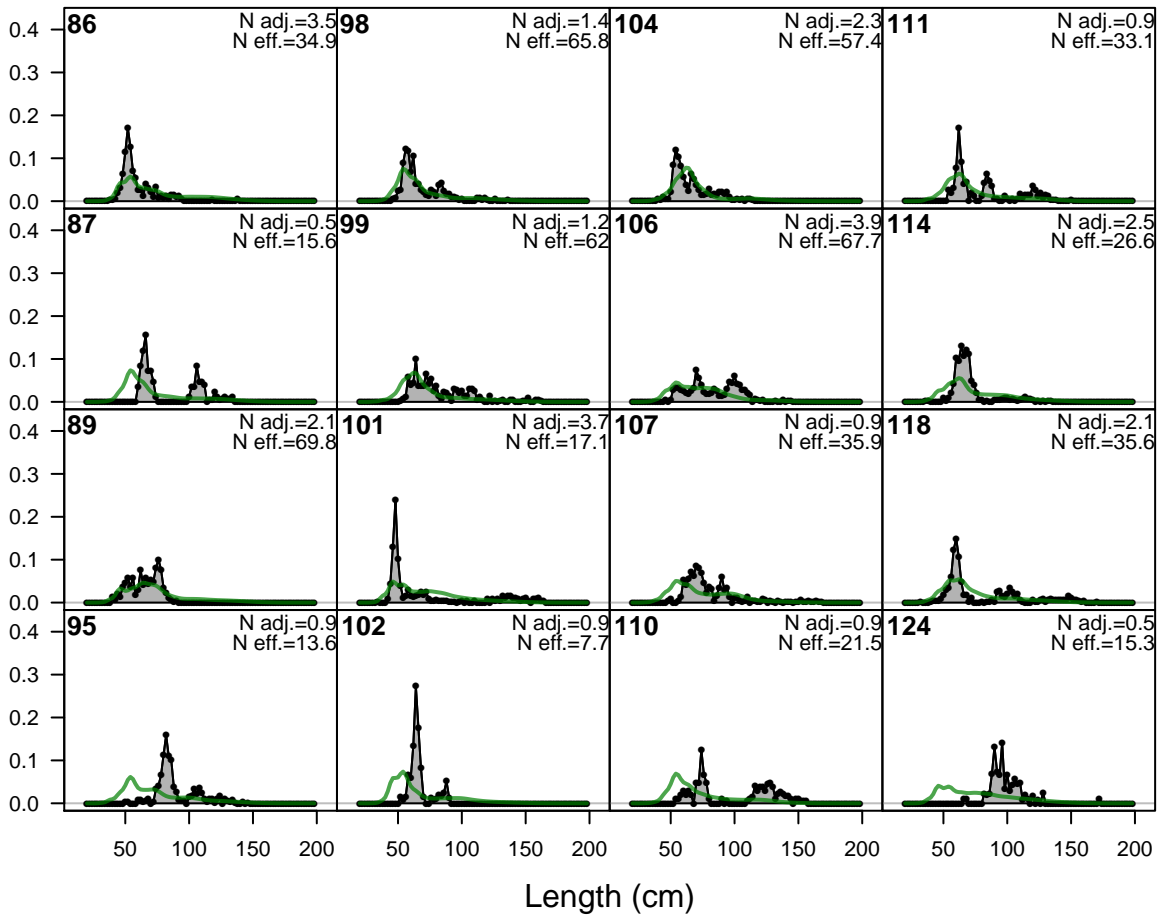
Proportion



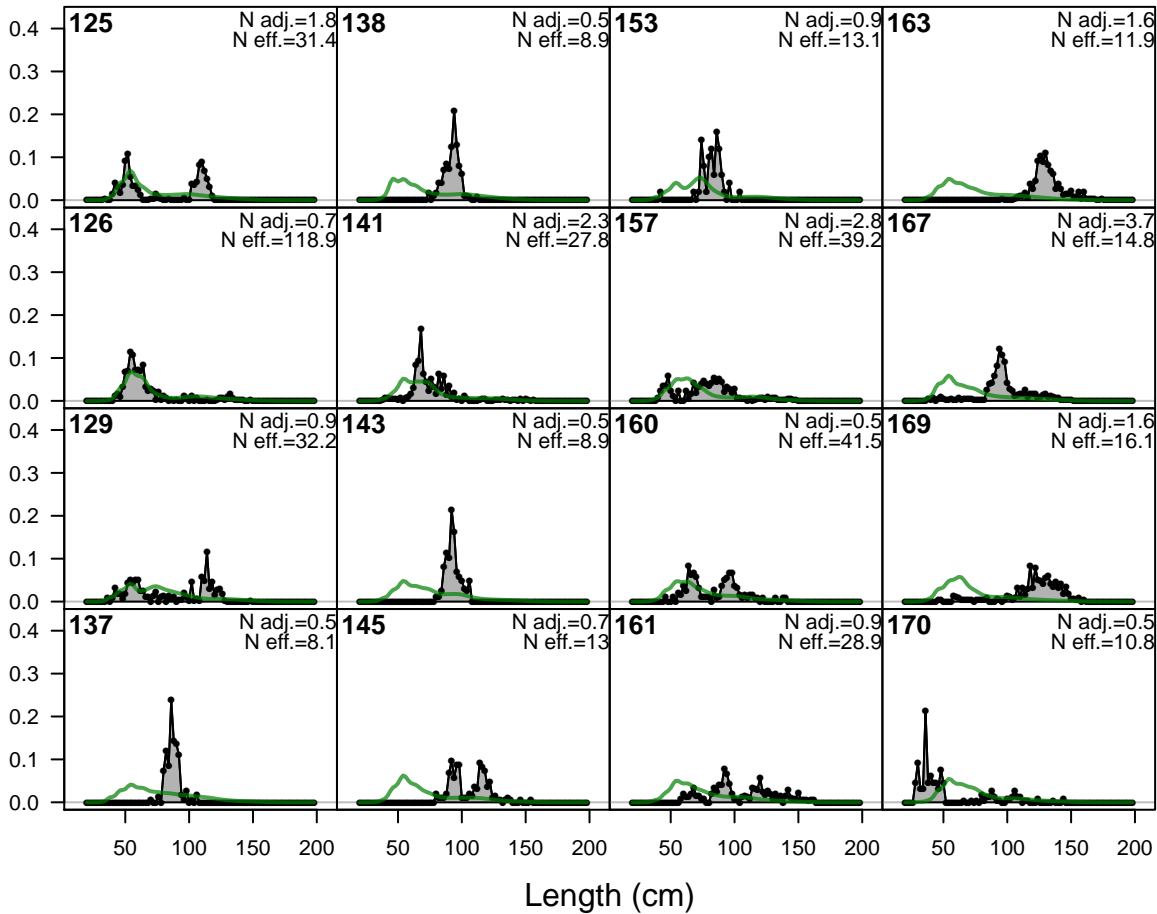
Proportion

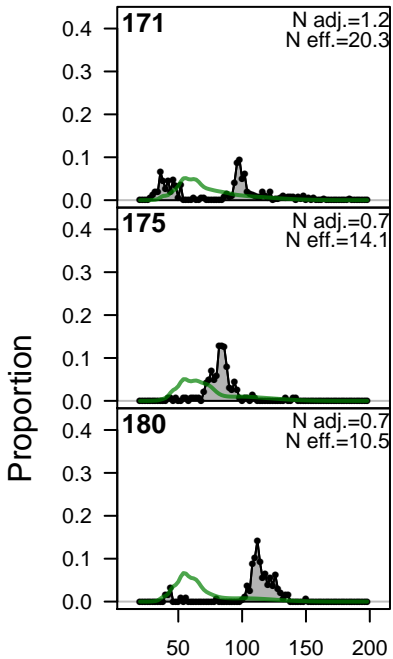


Proportion

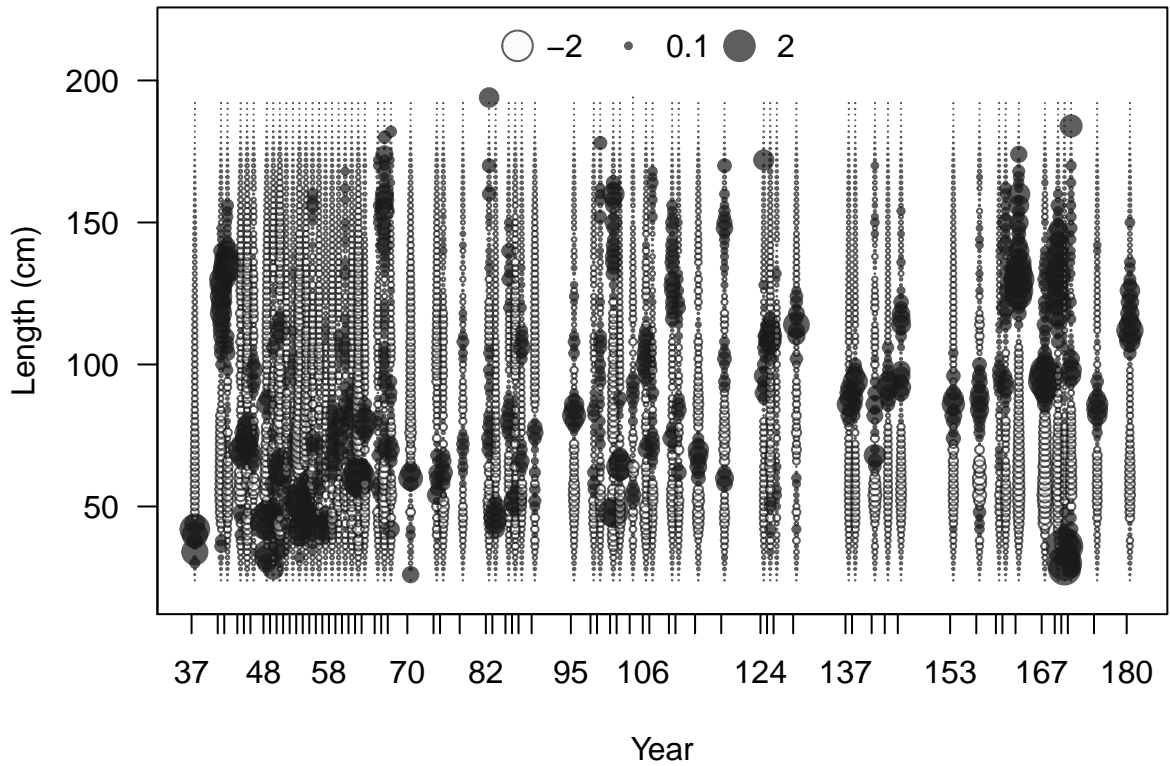


Proportion

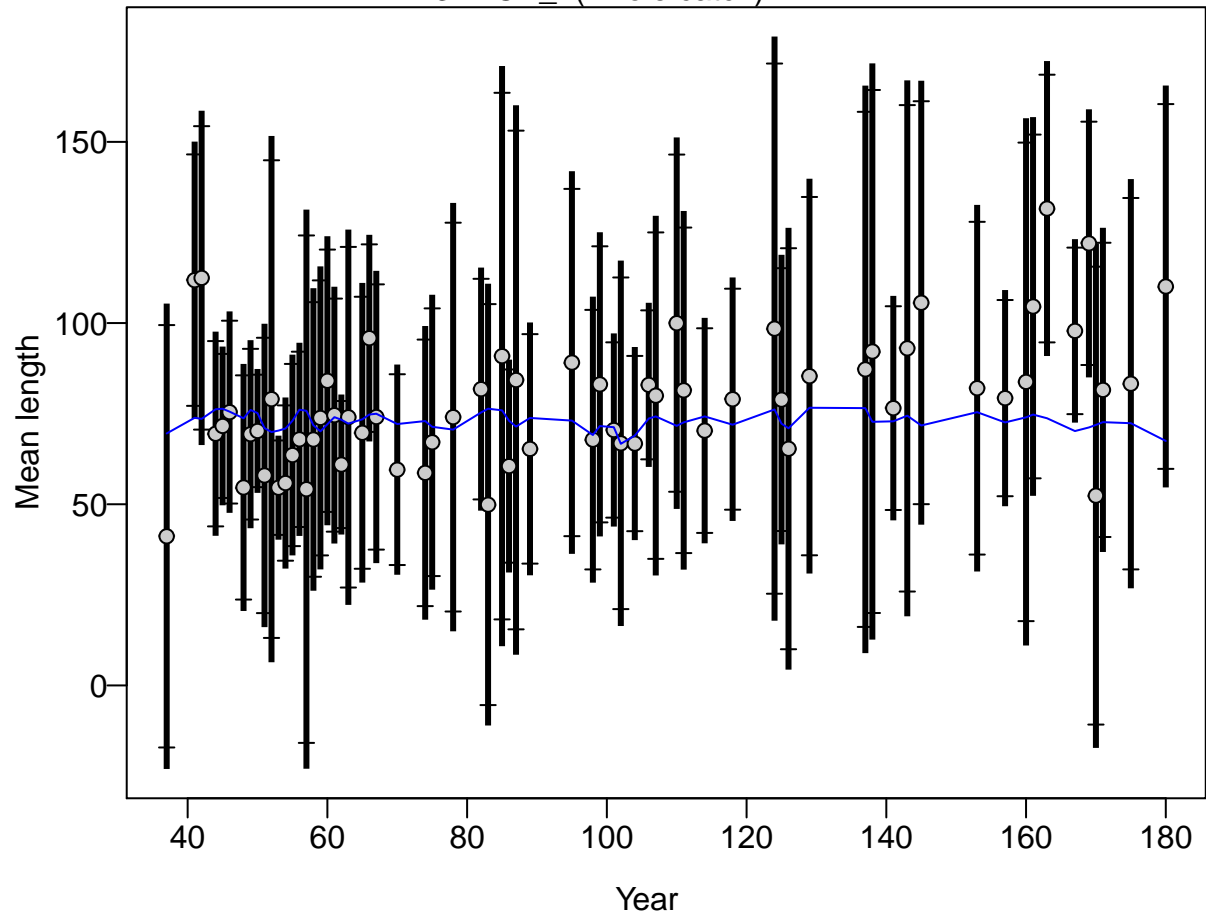




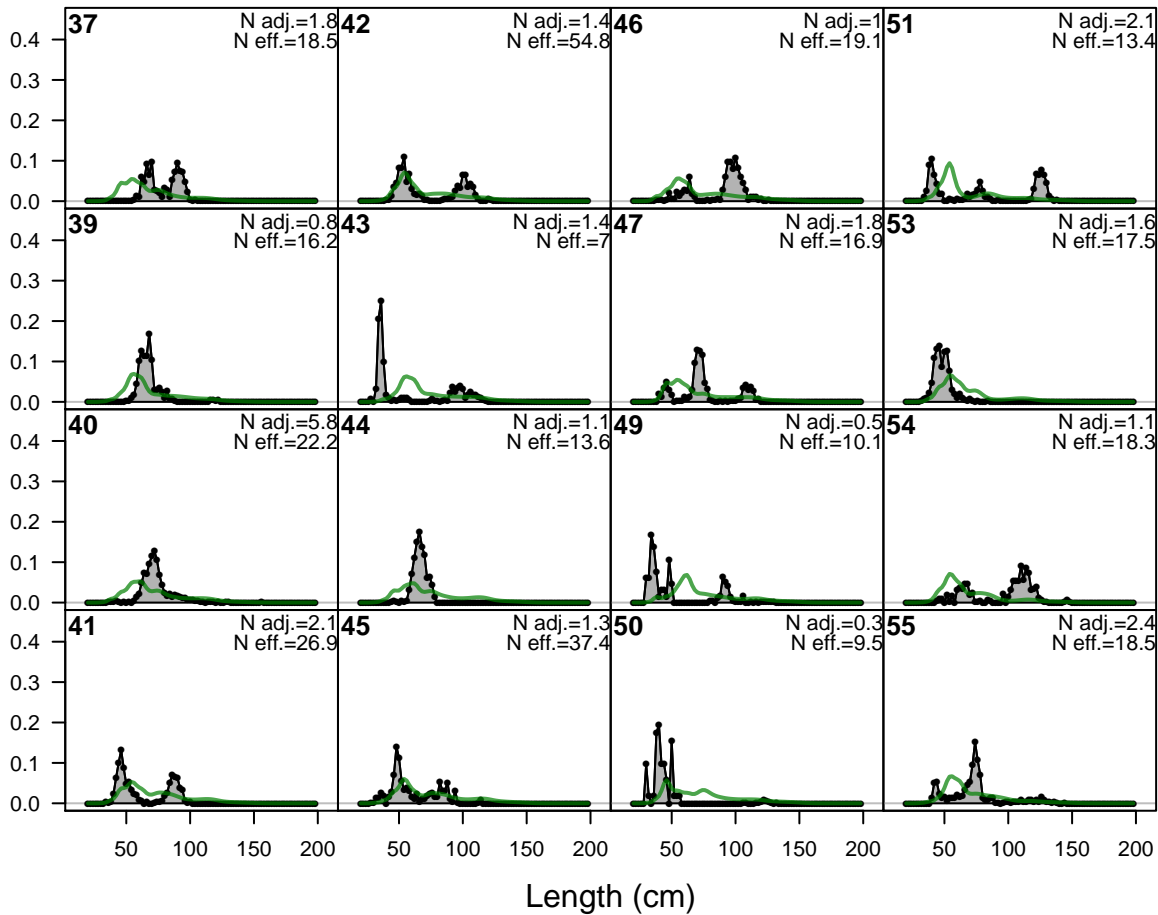
Length (cm)



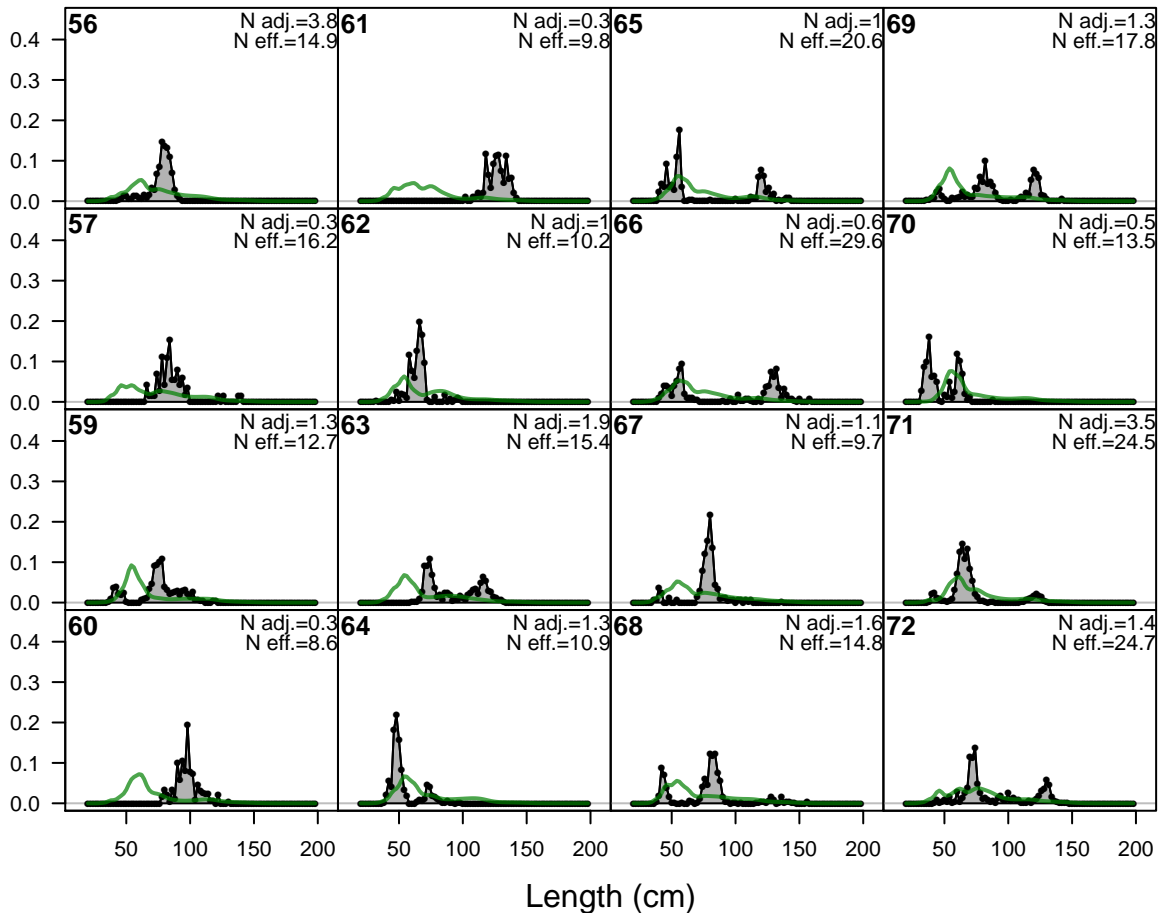
F13-NOA_I (whole catch)



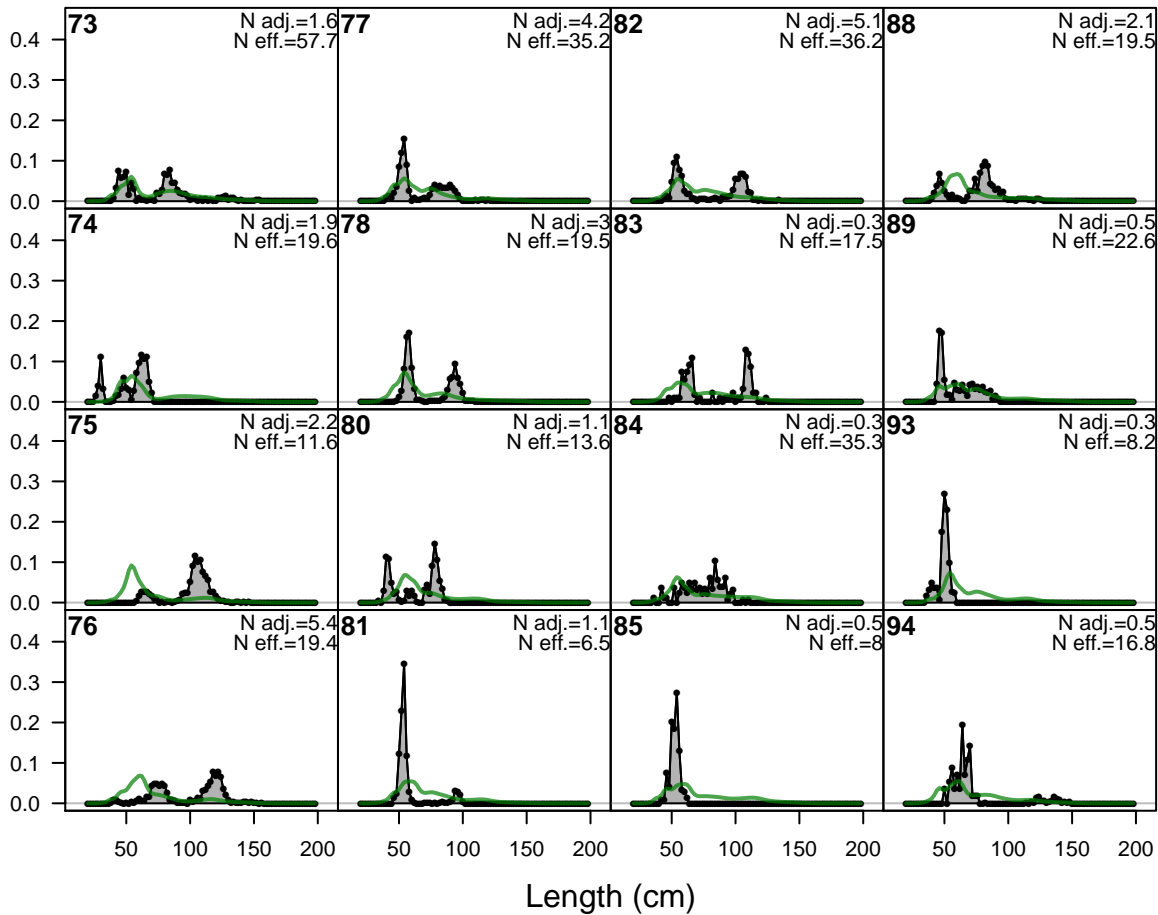
Proportion



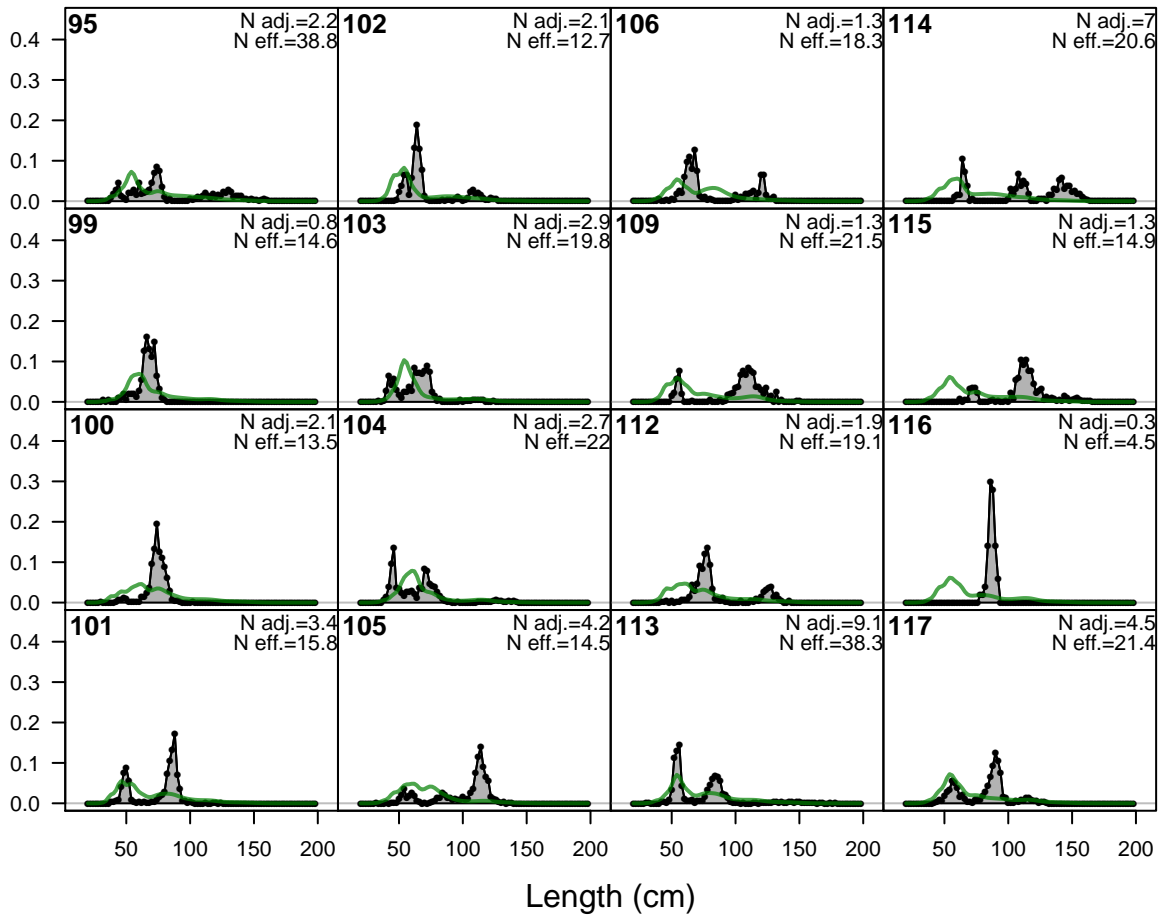
Proportion



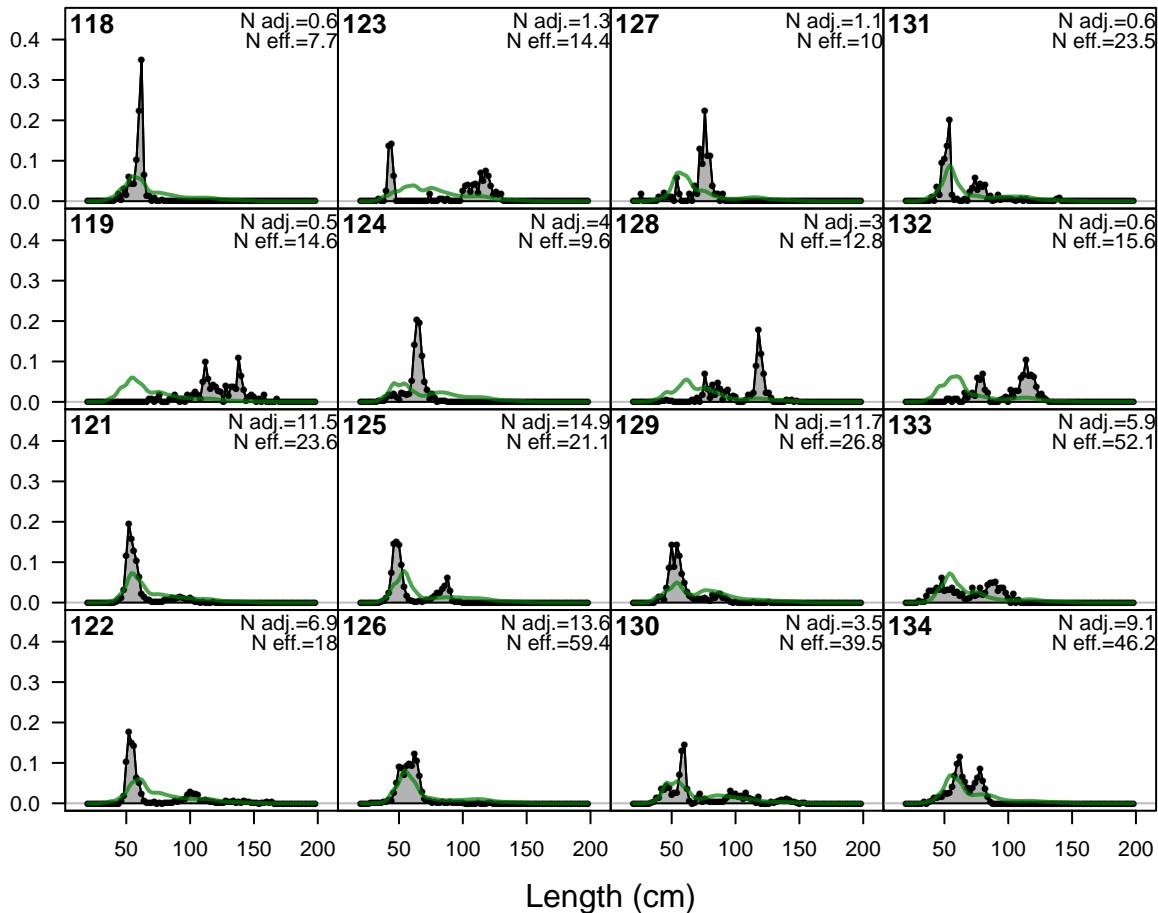
Proportion



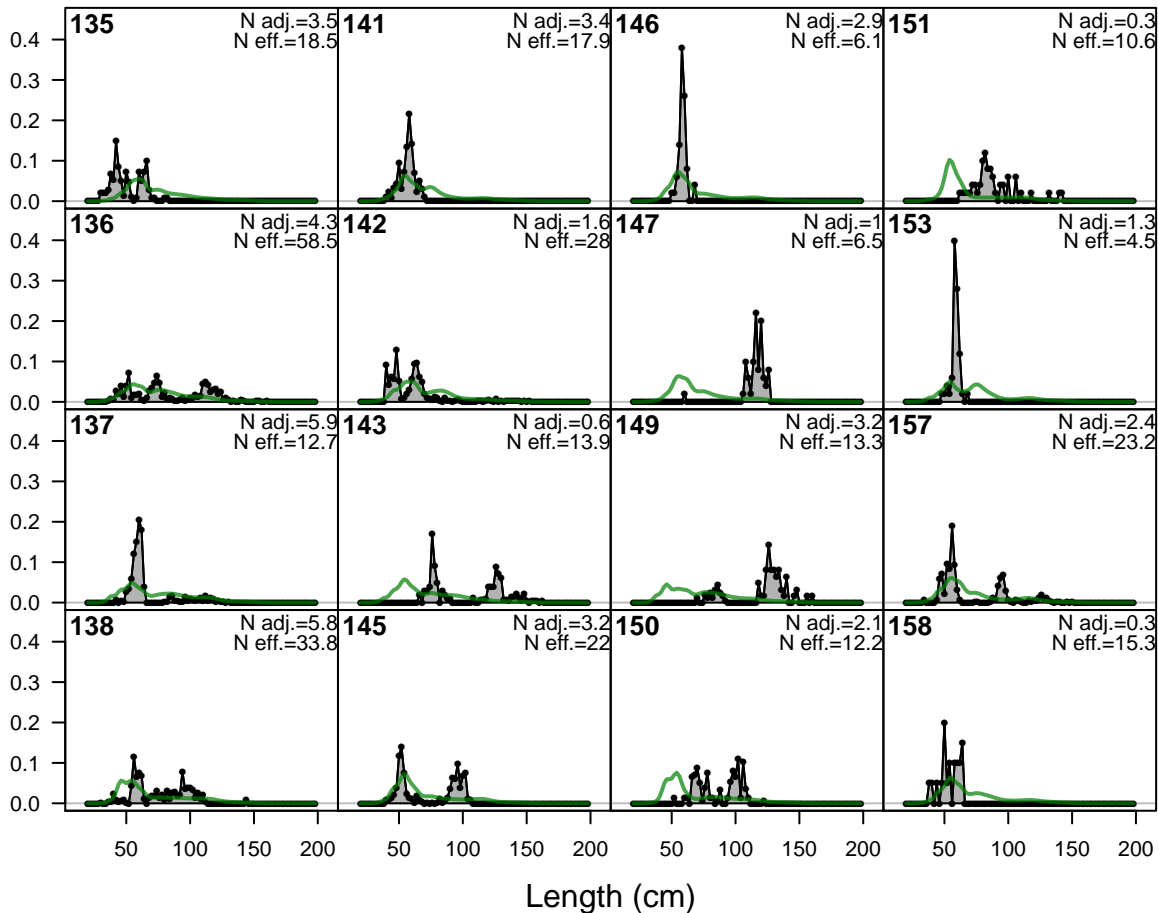
Proportion



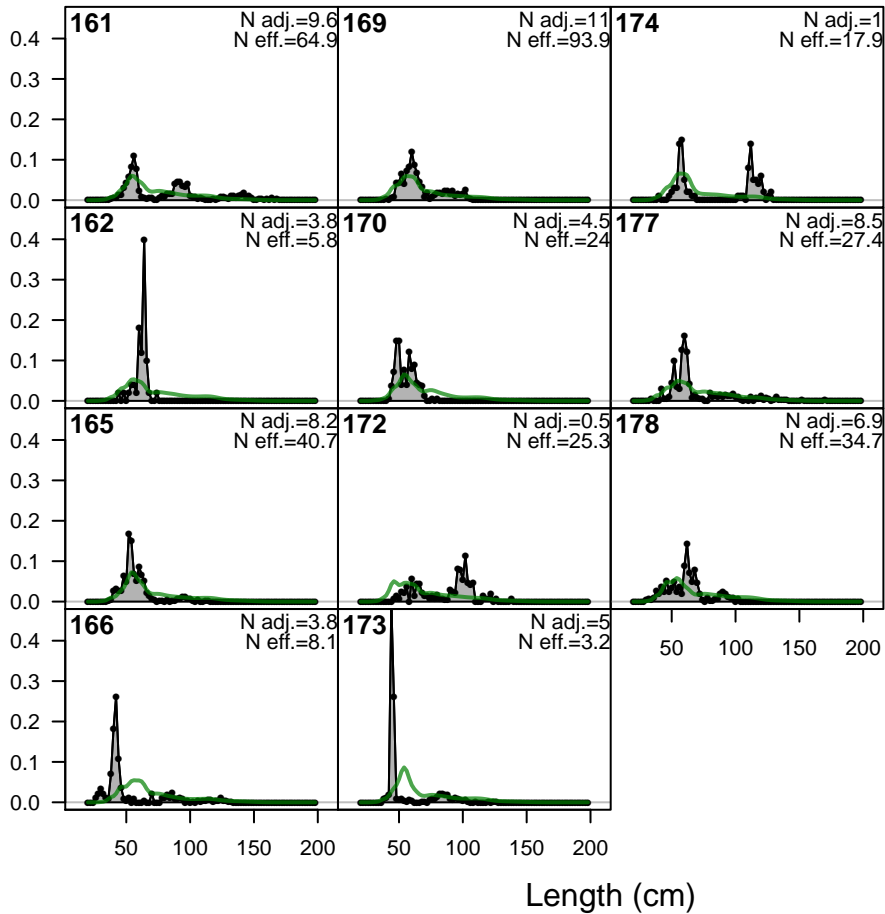
Proportion

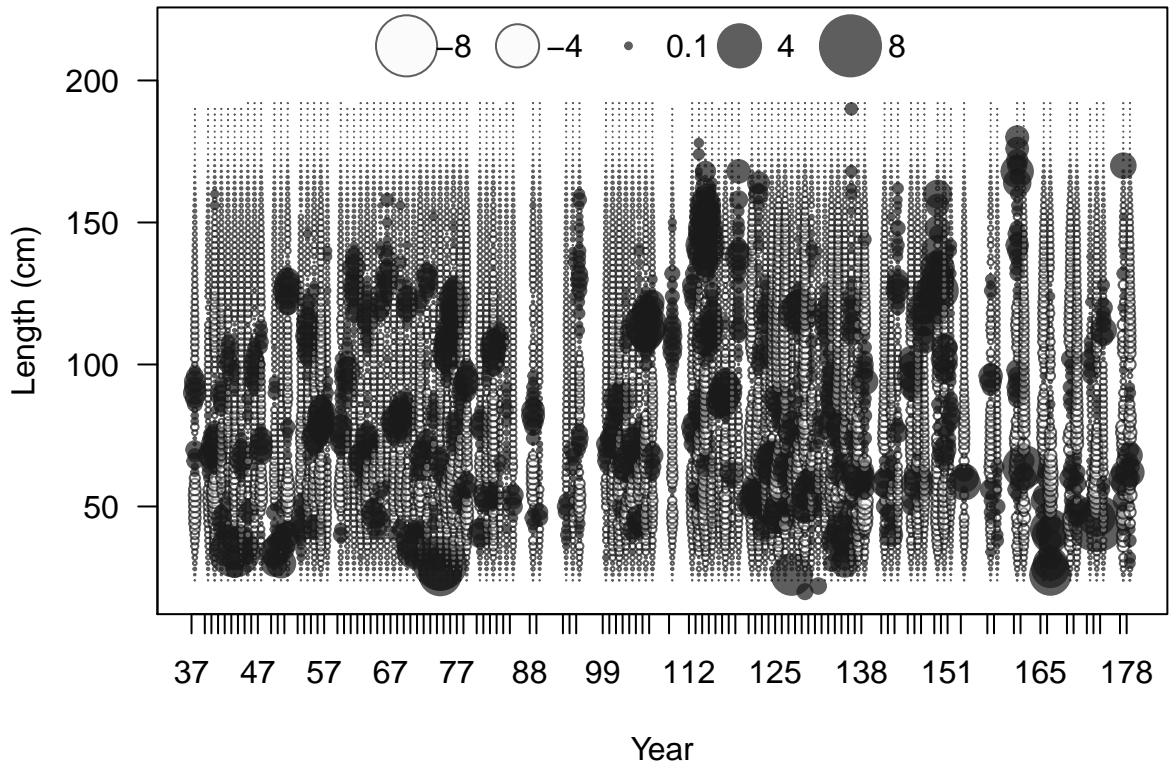


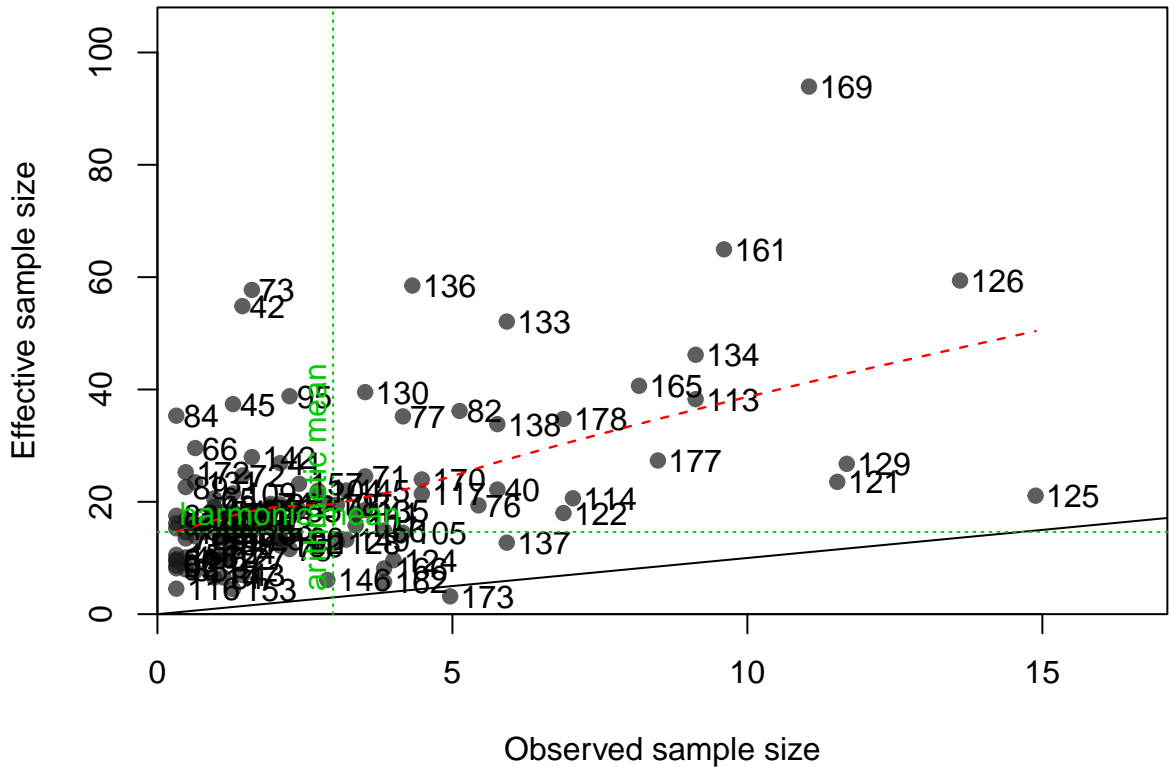
Proportion



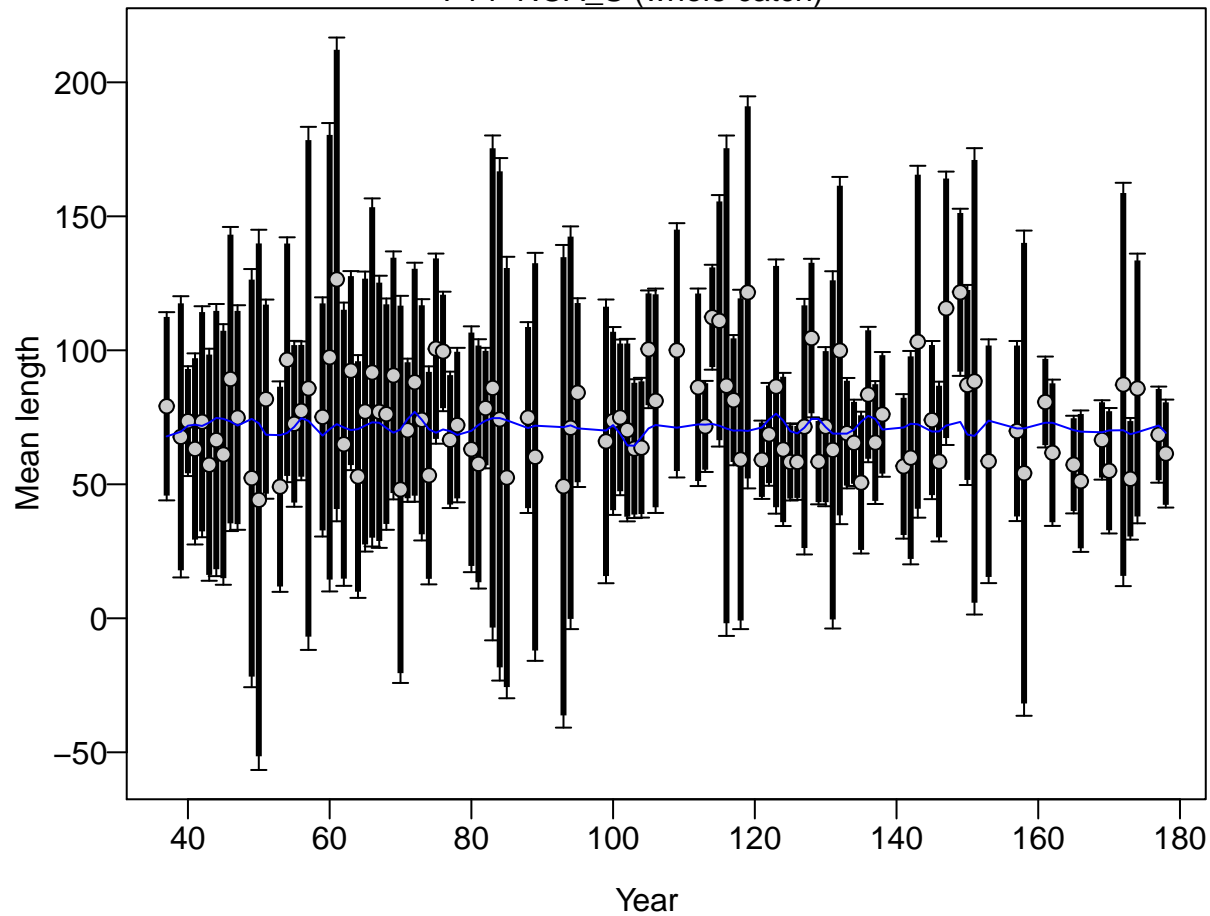
Proportion



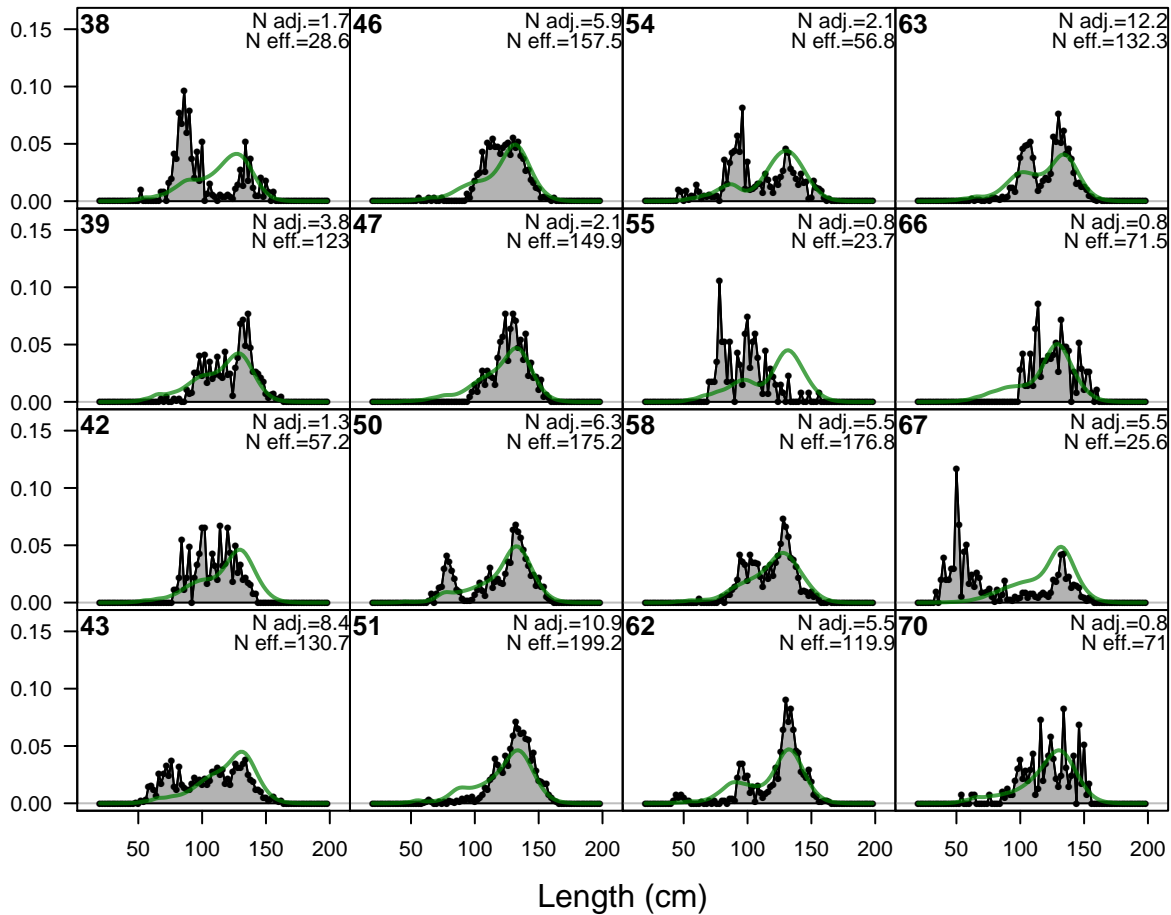




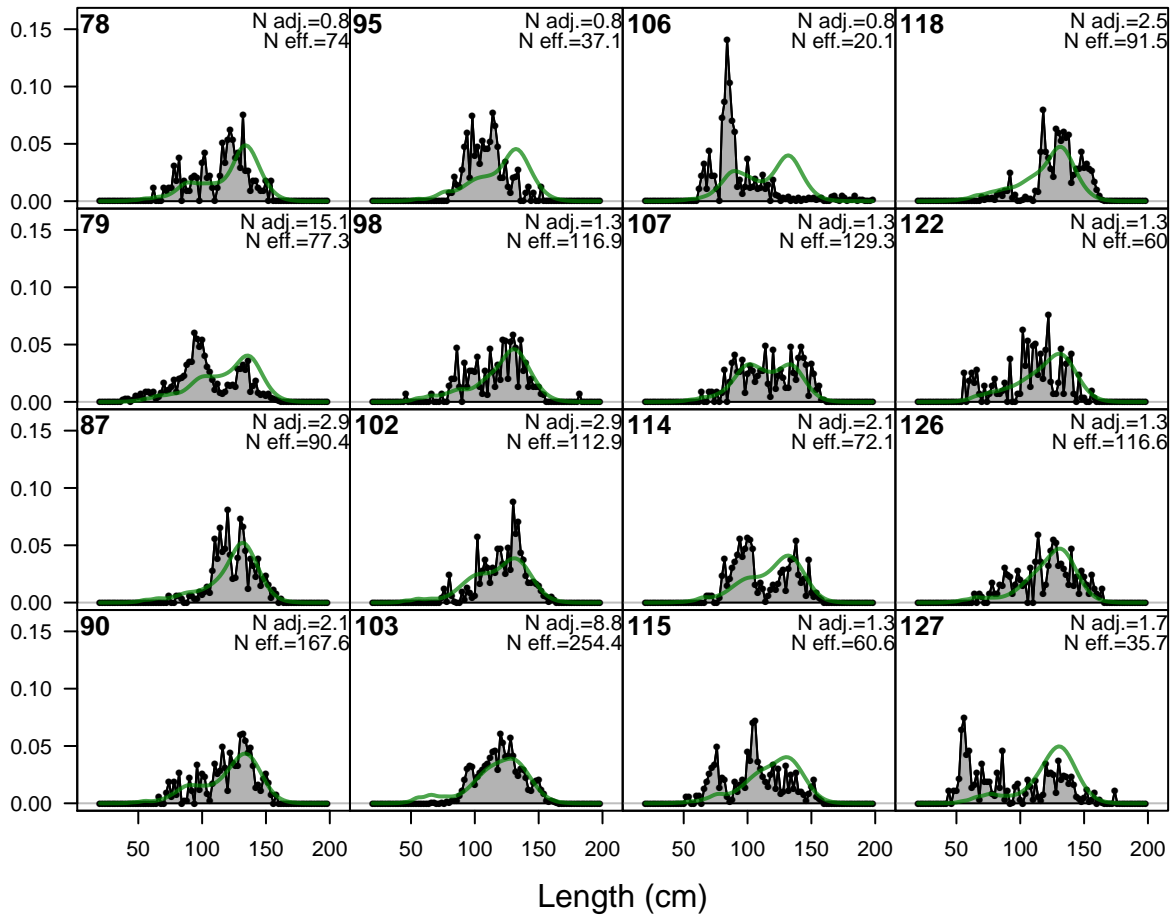
F14-NOA_S (whole catch)



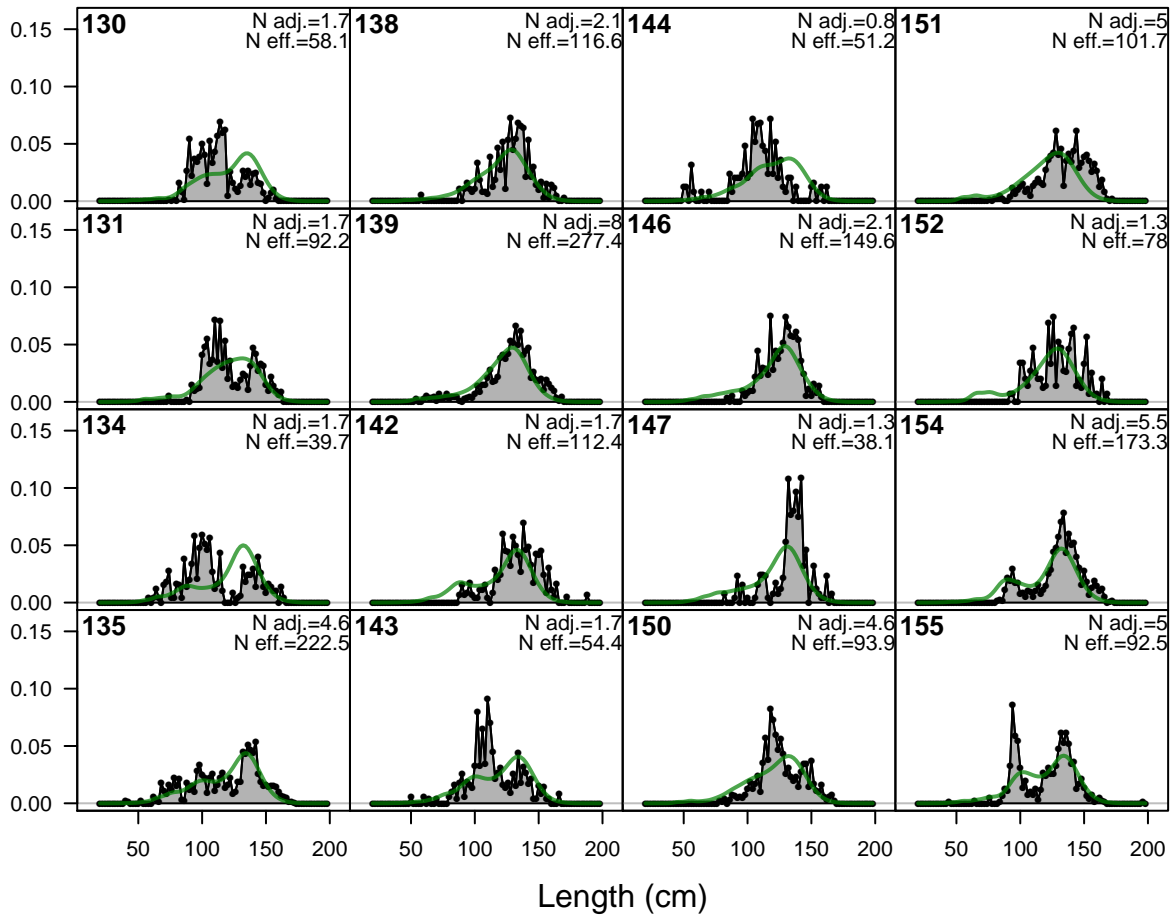
Proportion



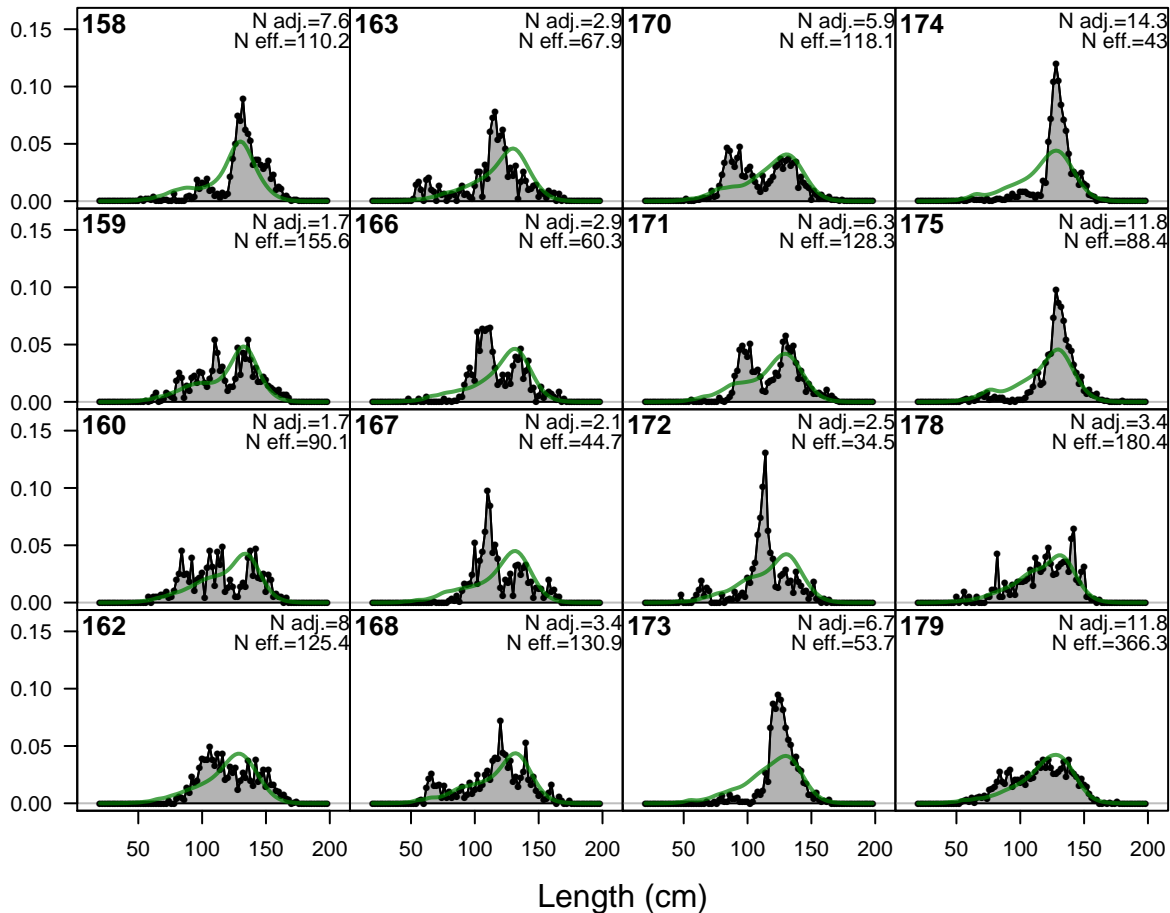
Proportion

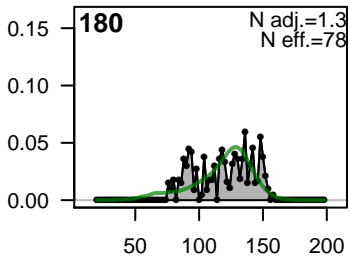


Proportion



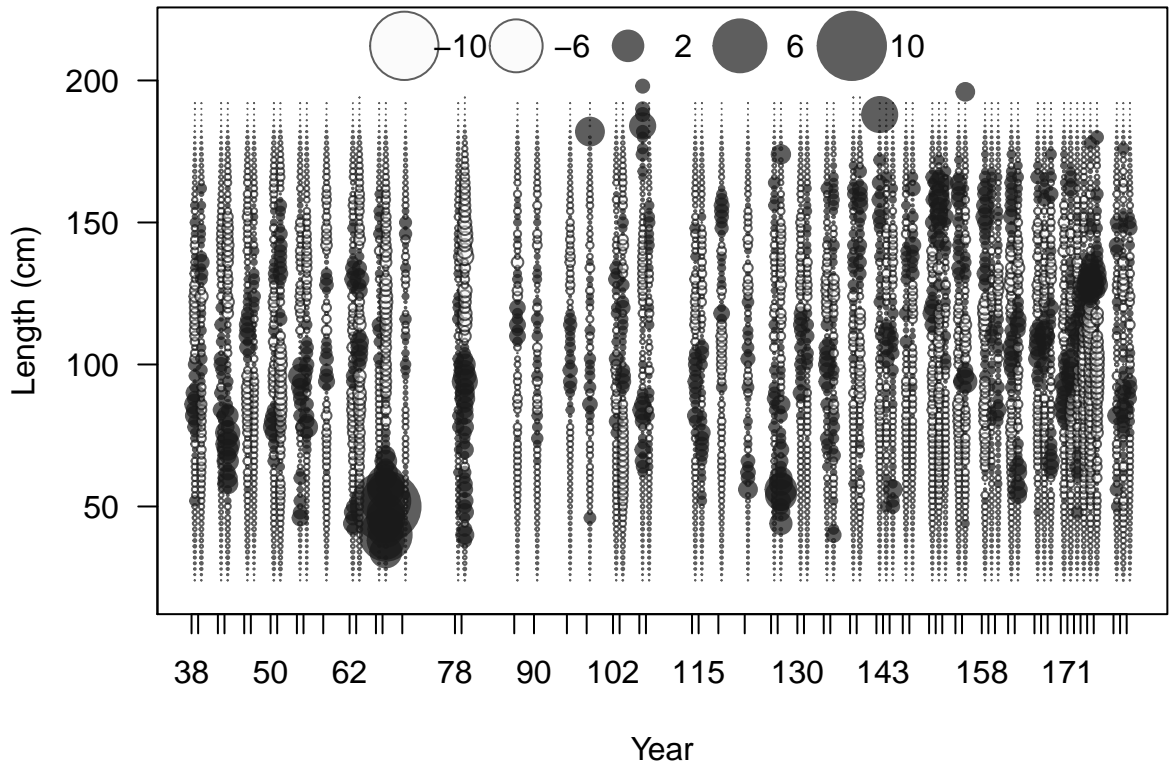
Proportion



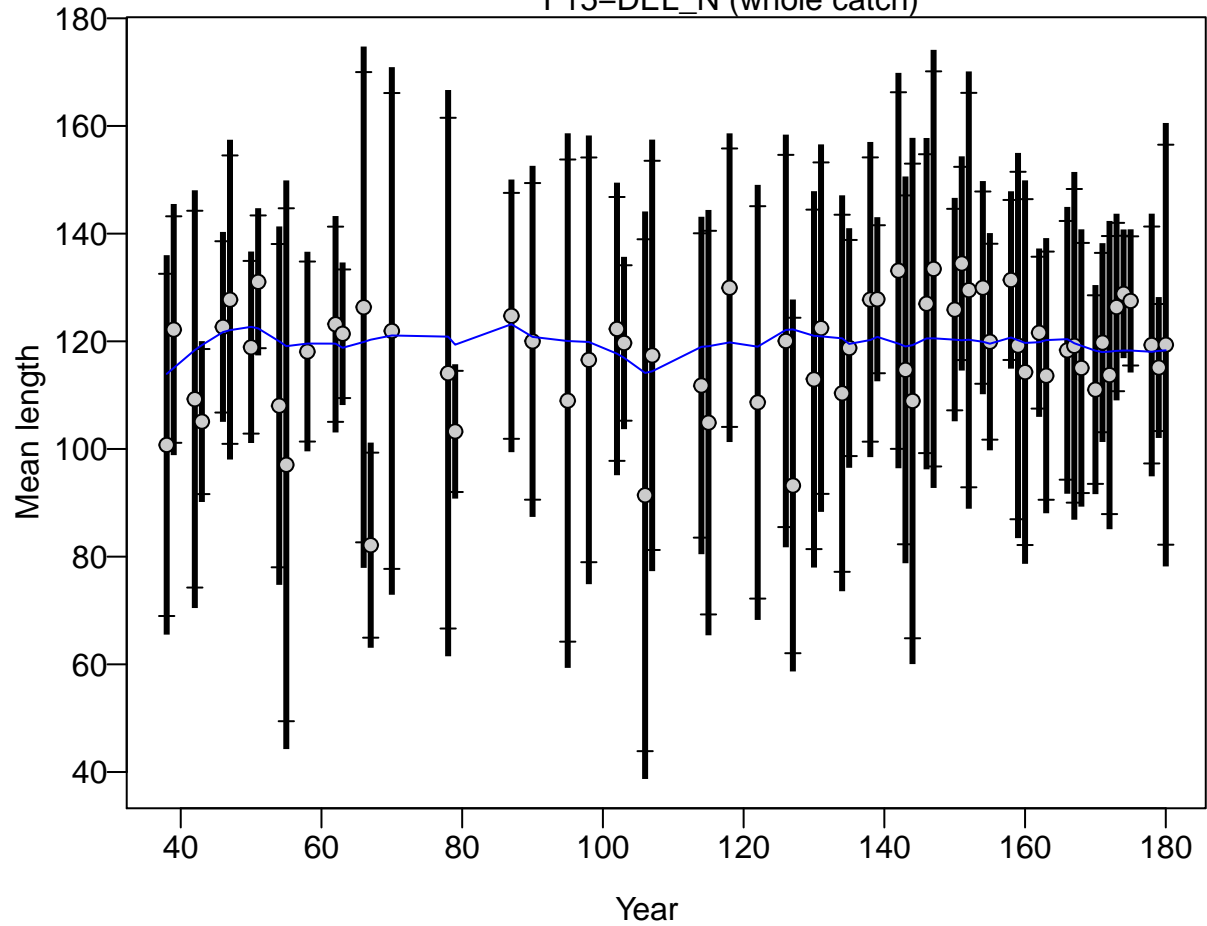


Proportion

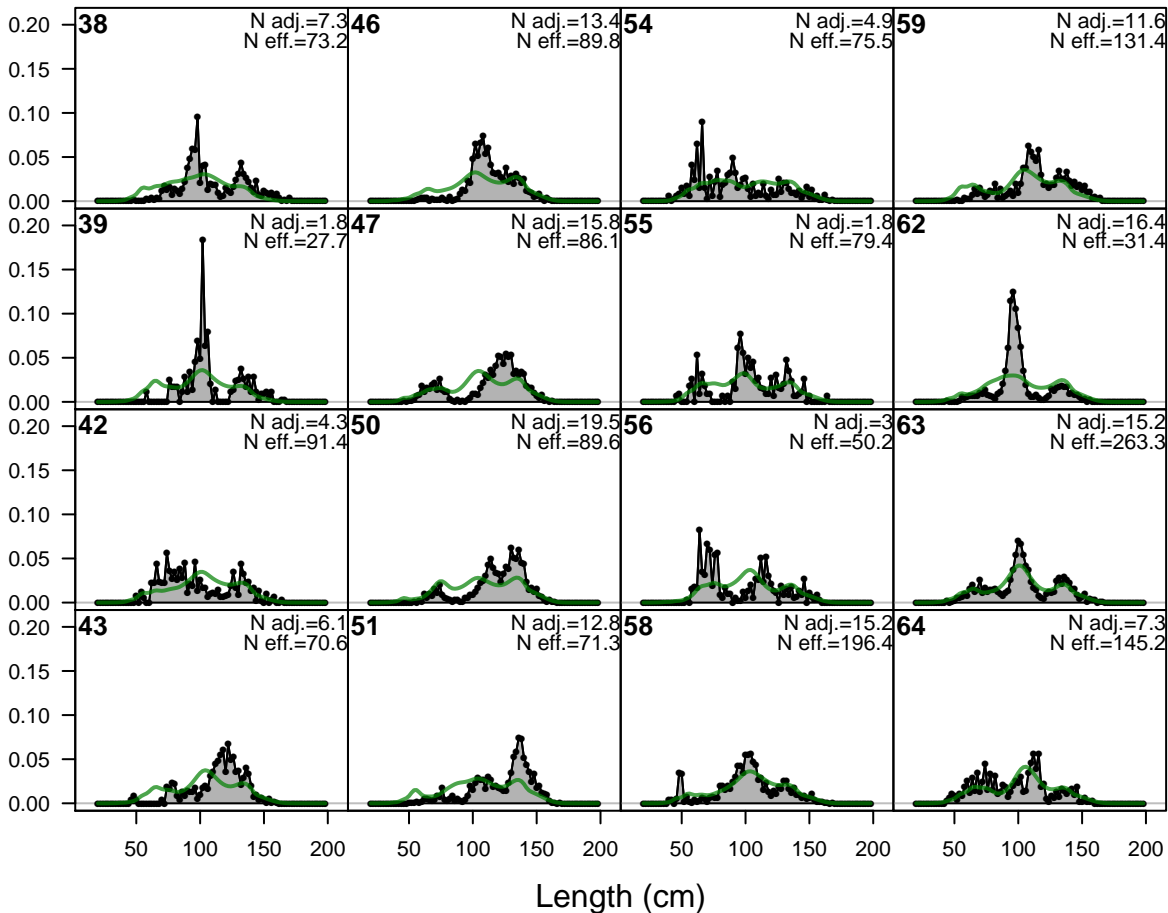
Length (cm)



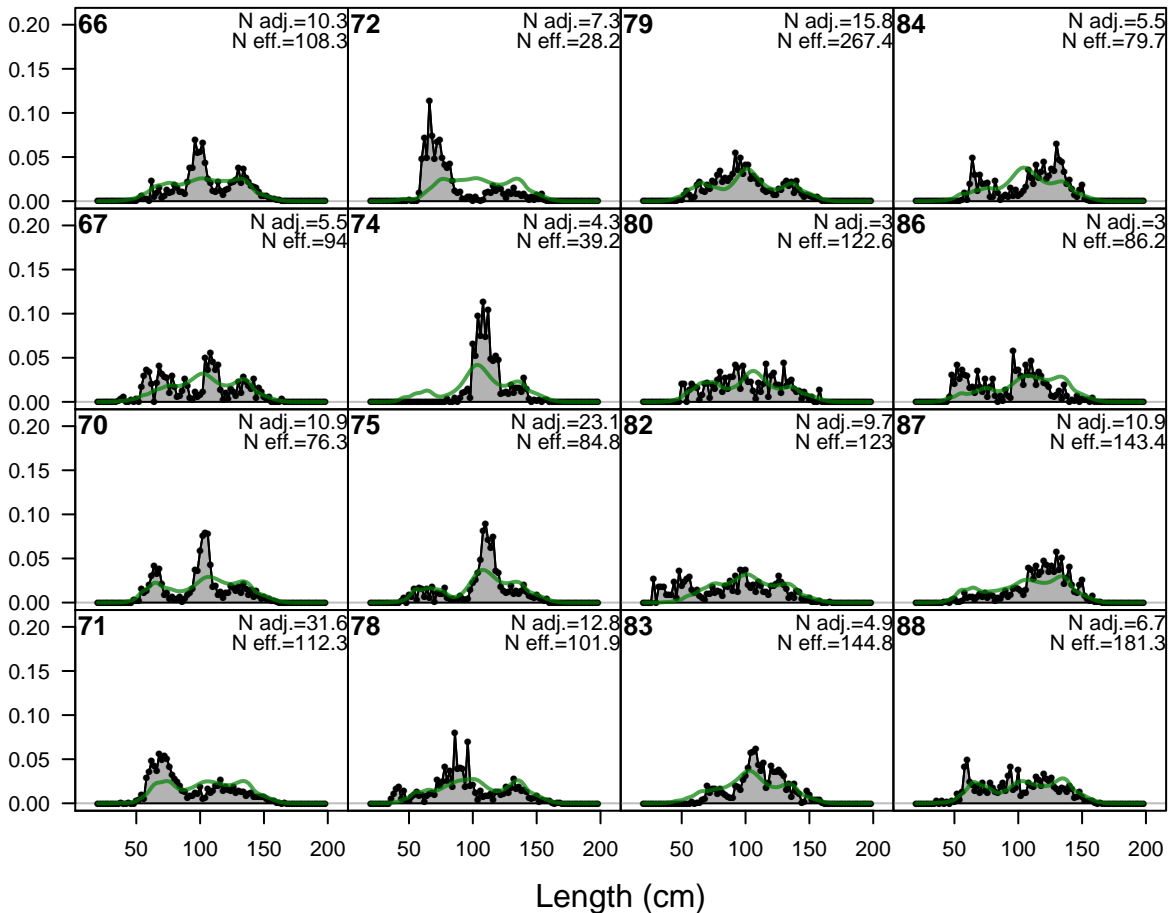
F15-DEL_N (whole catch)



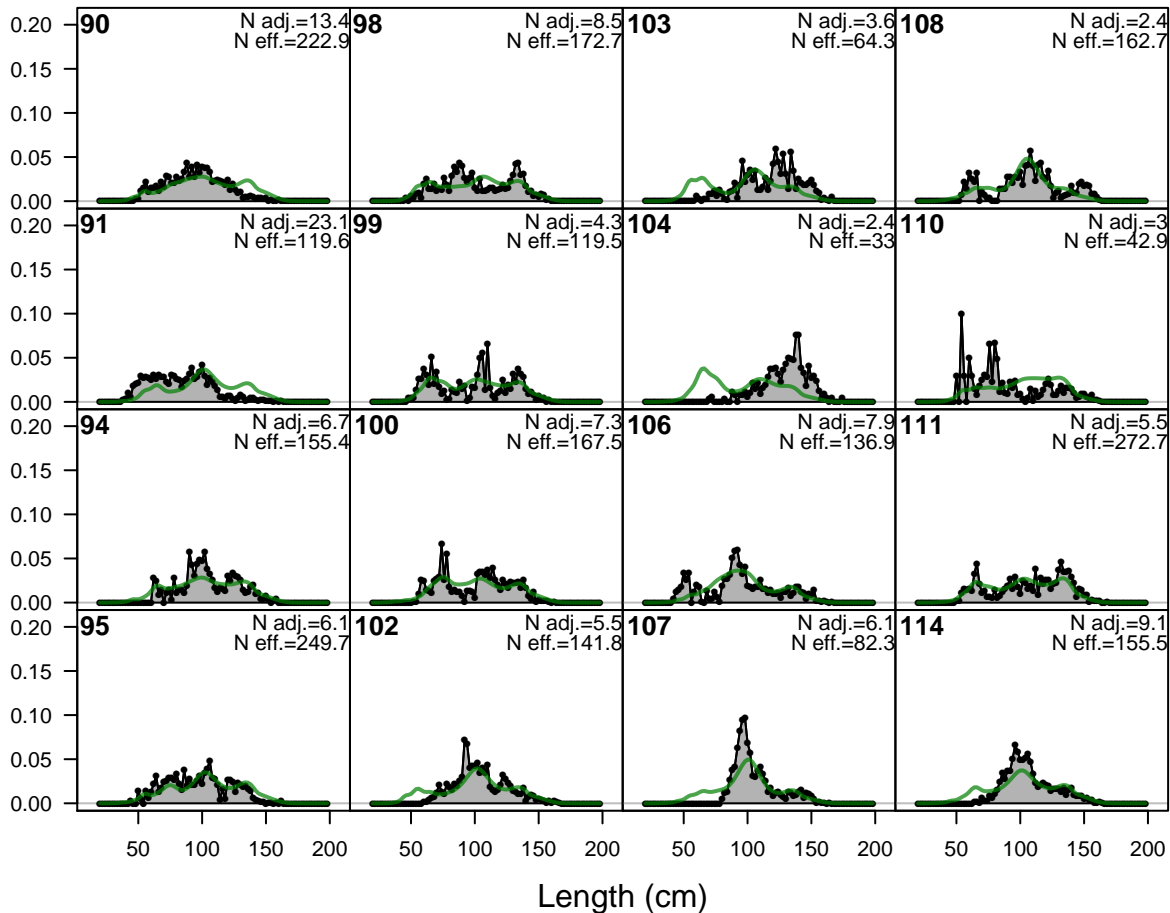
Proportion



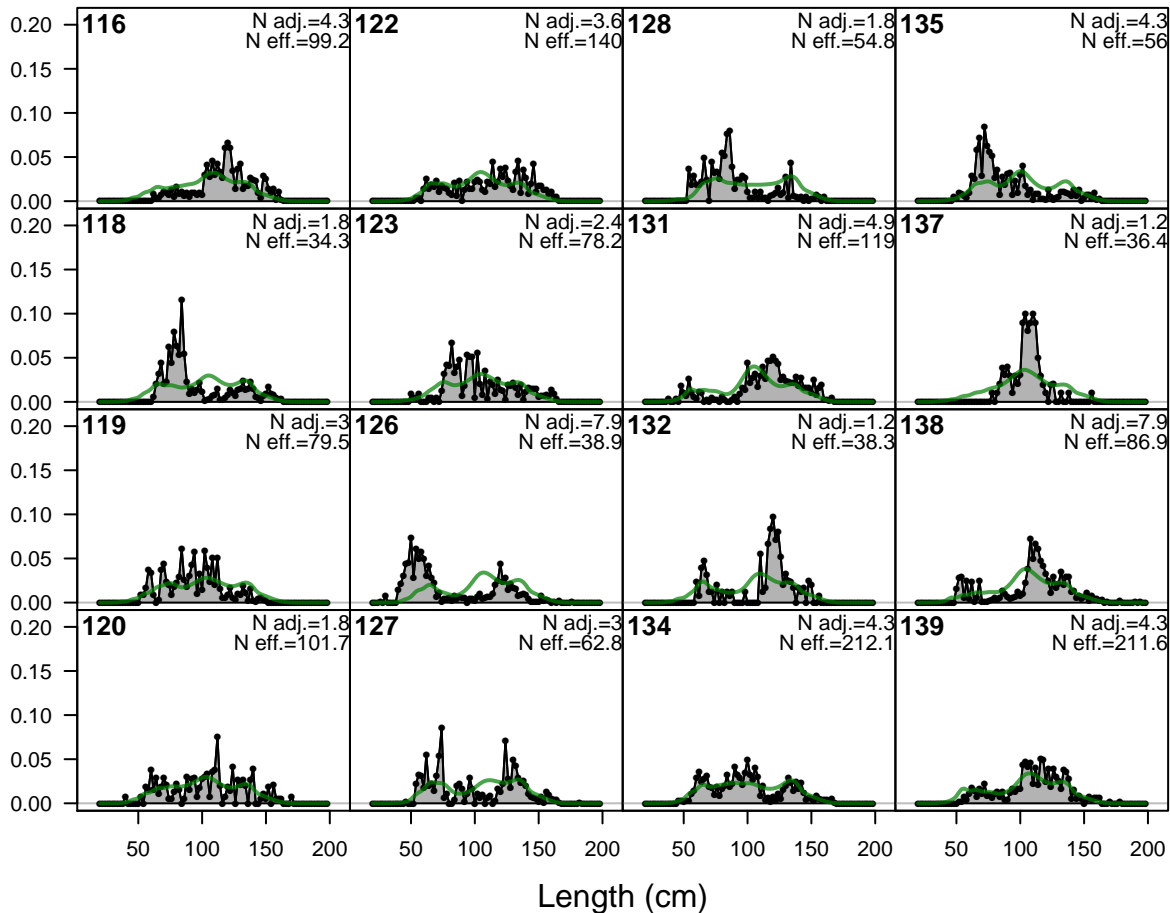
Proportion



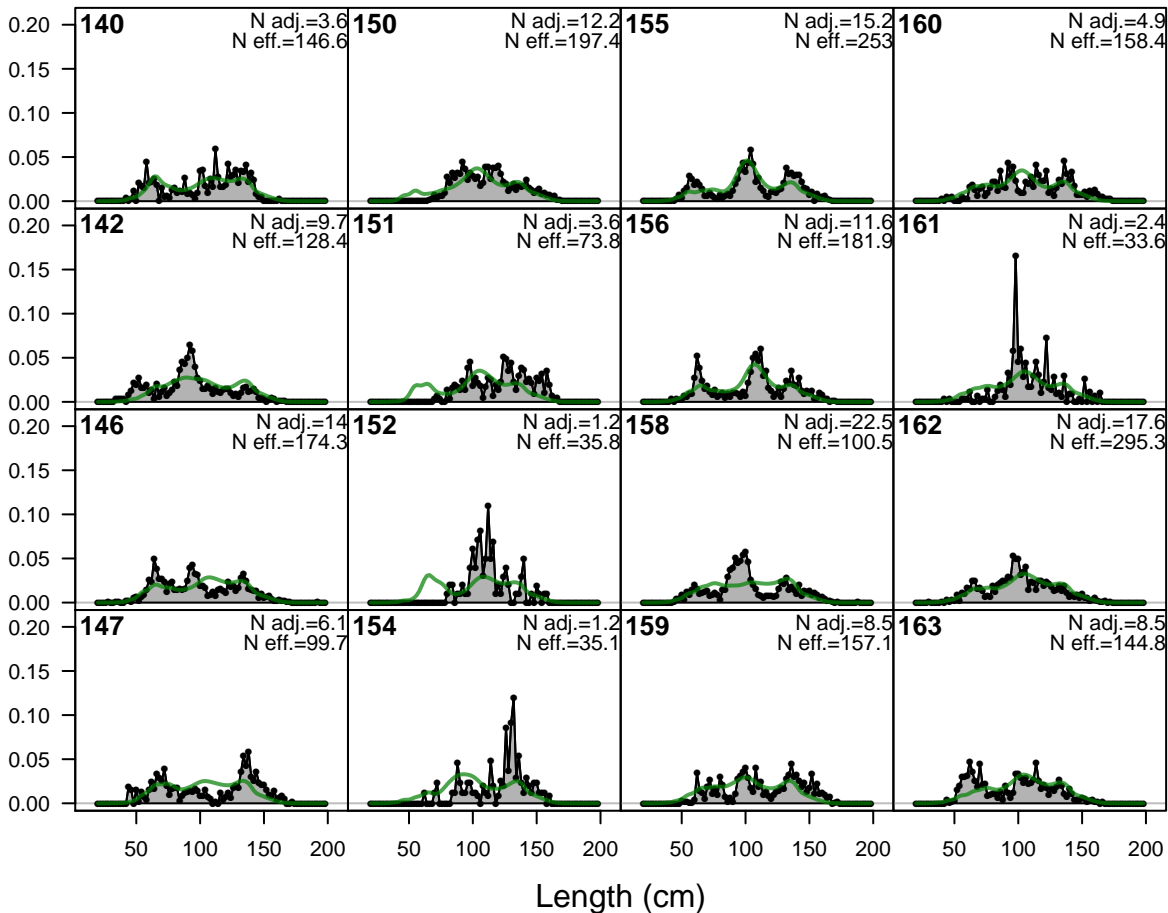
Proportion



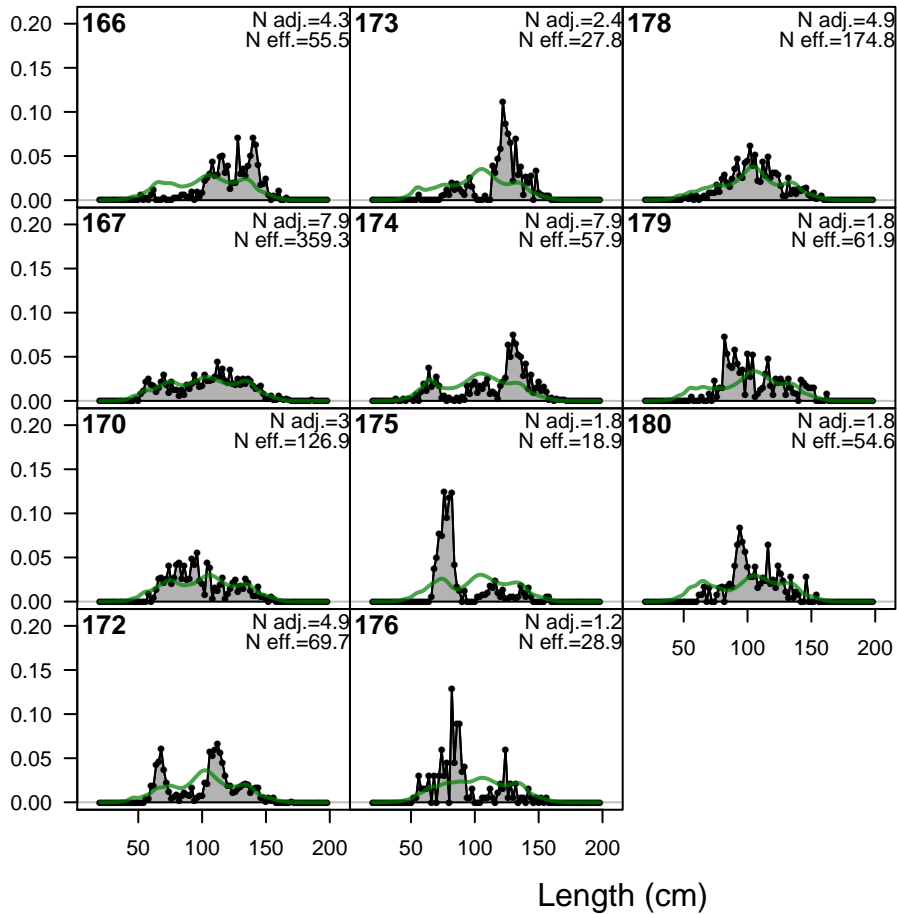
Proportion

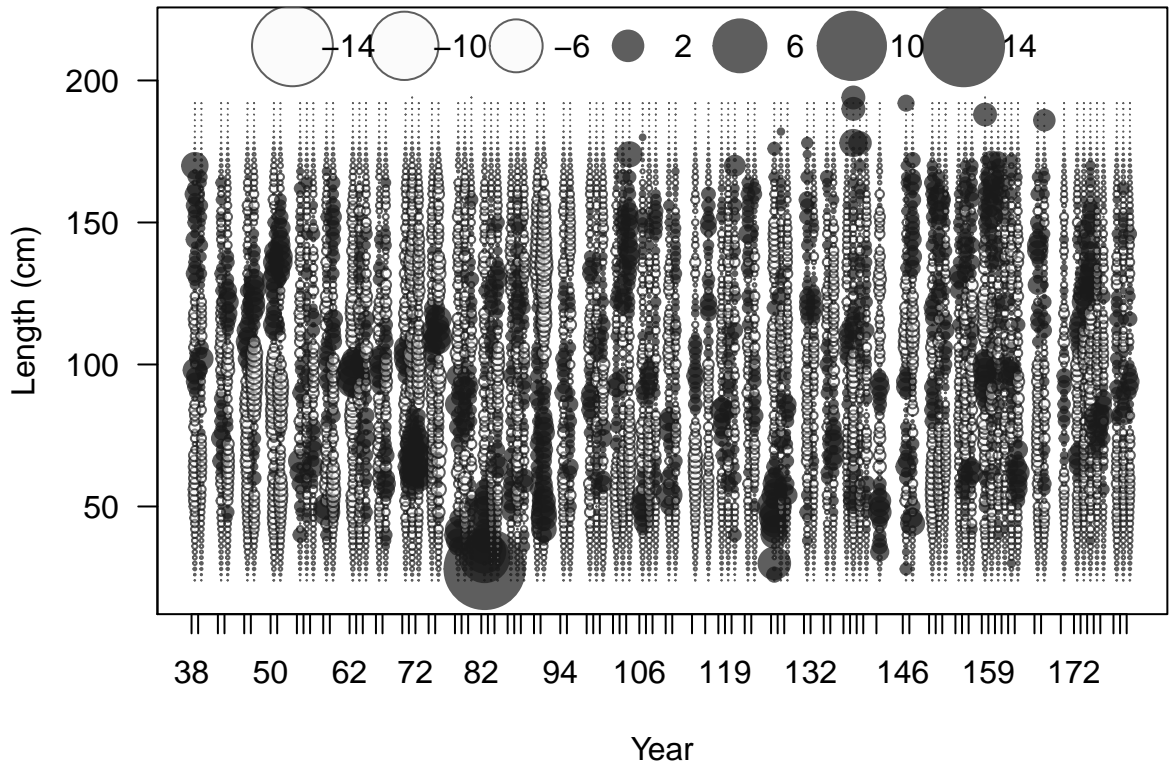


Proportion

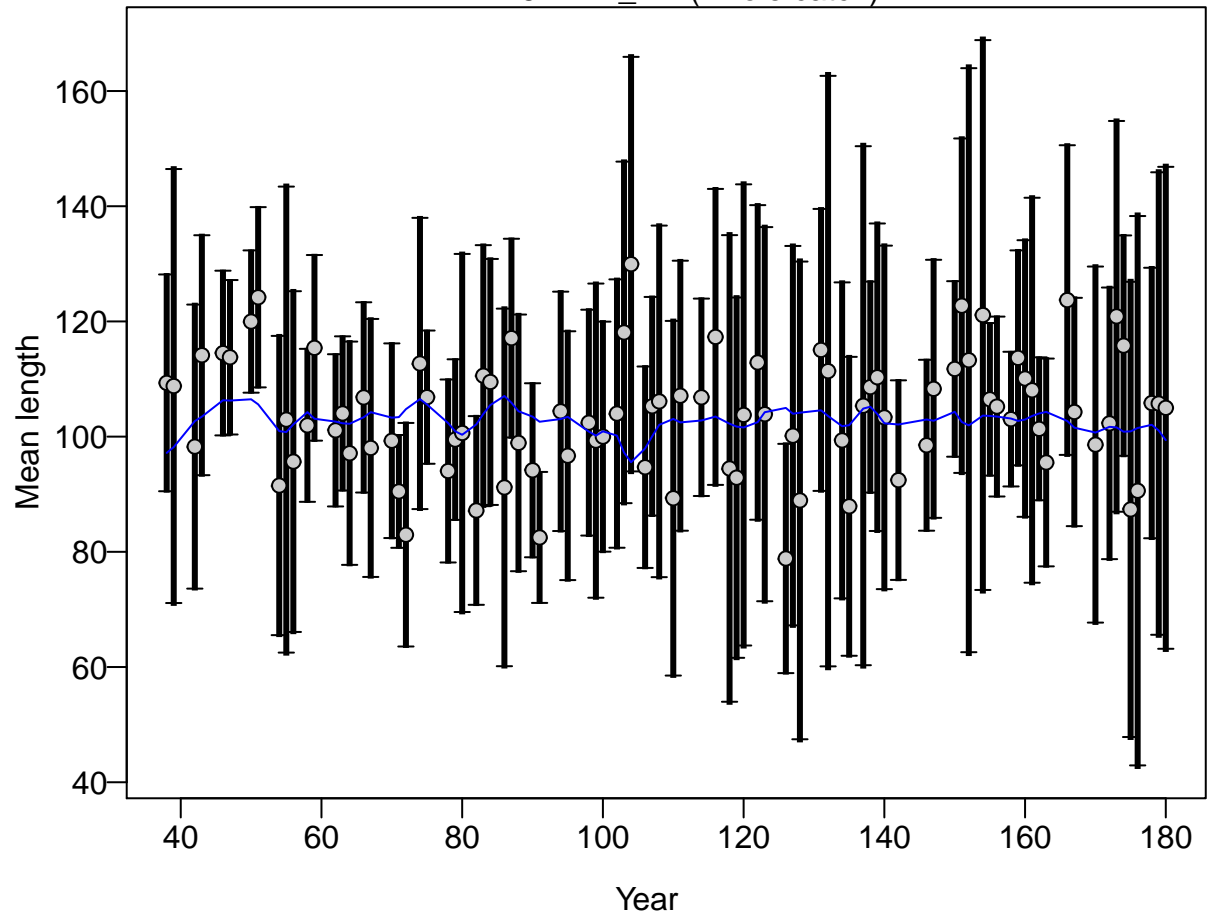


Proportion

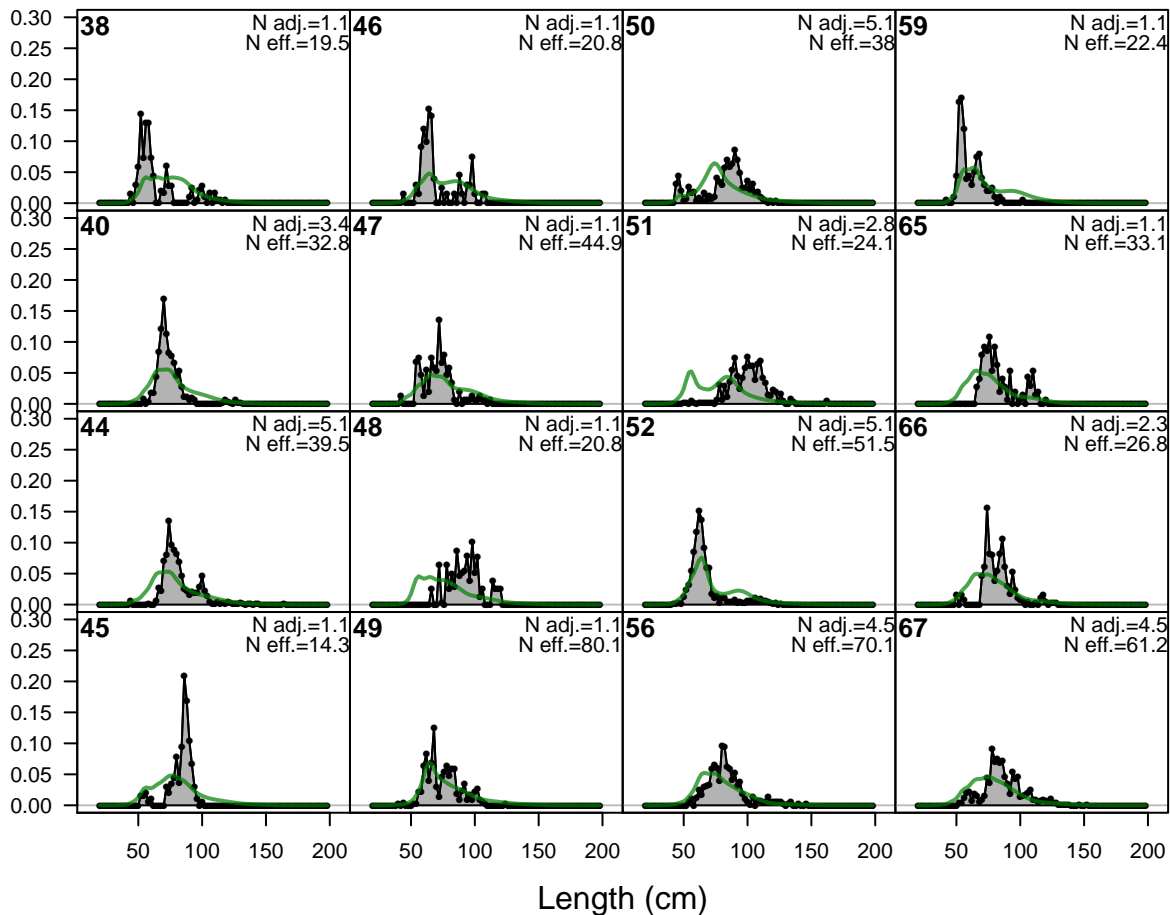




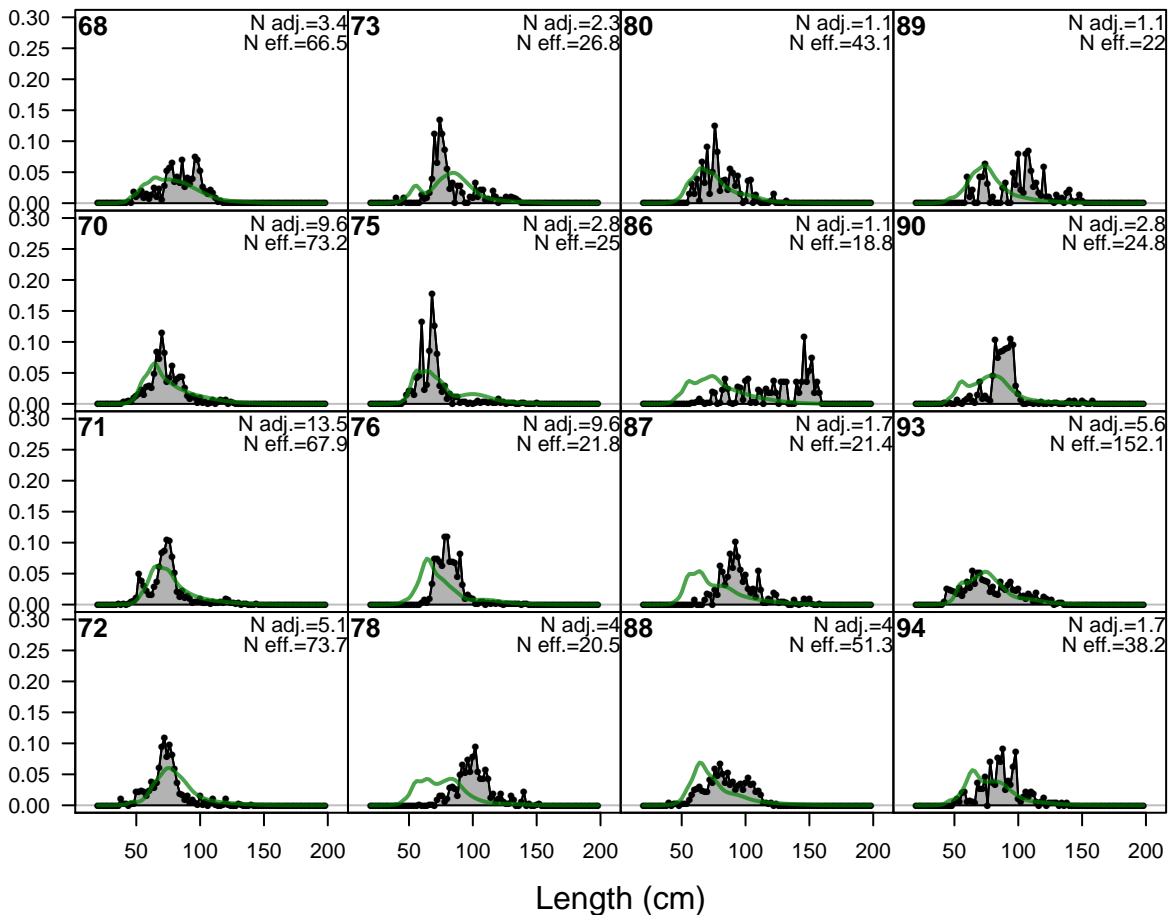
F16-DEL_NE (whole catch)



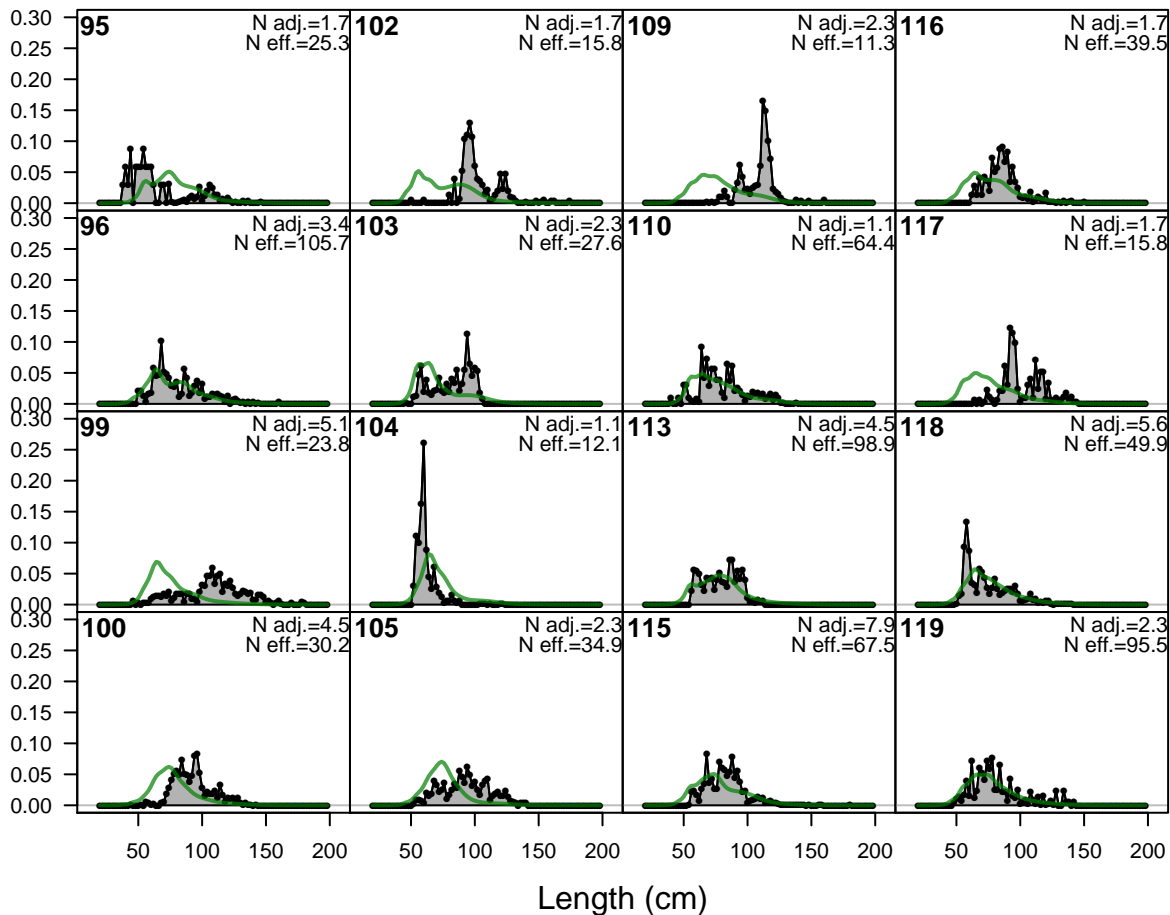
Proportion



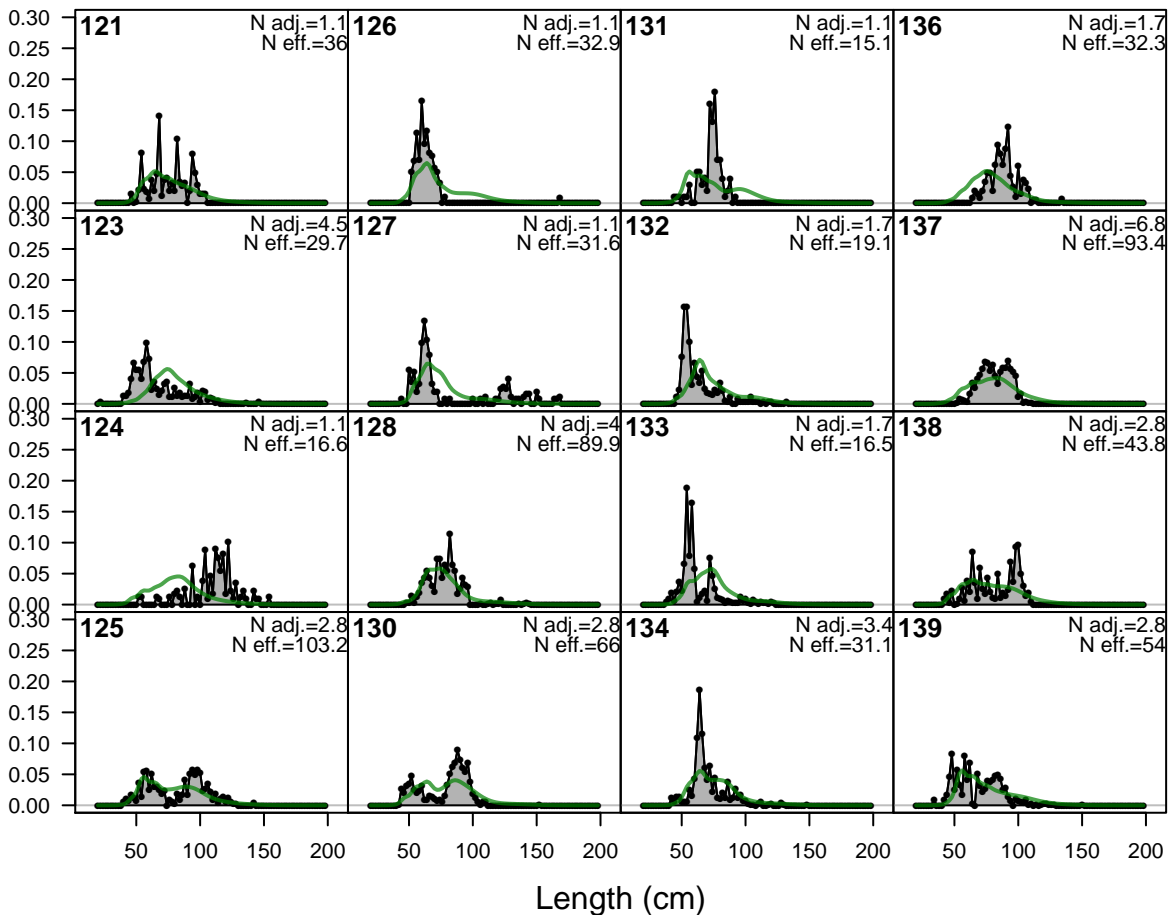
Proportion



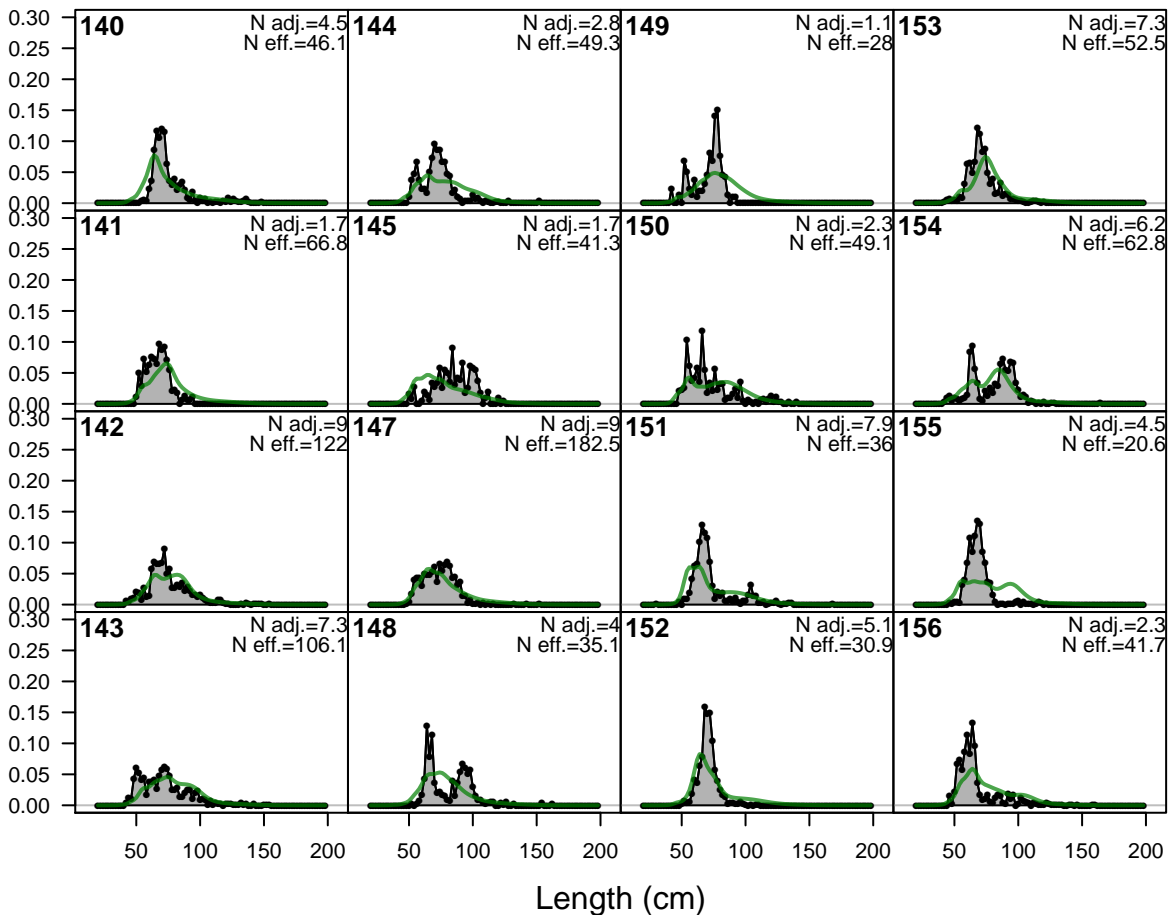
Proportion



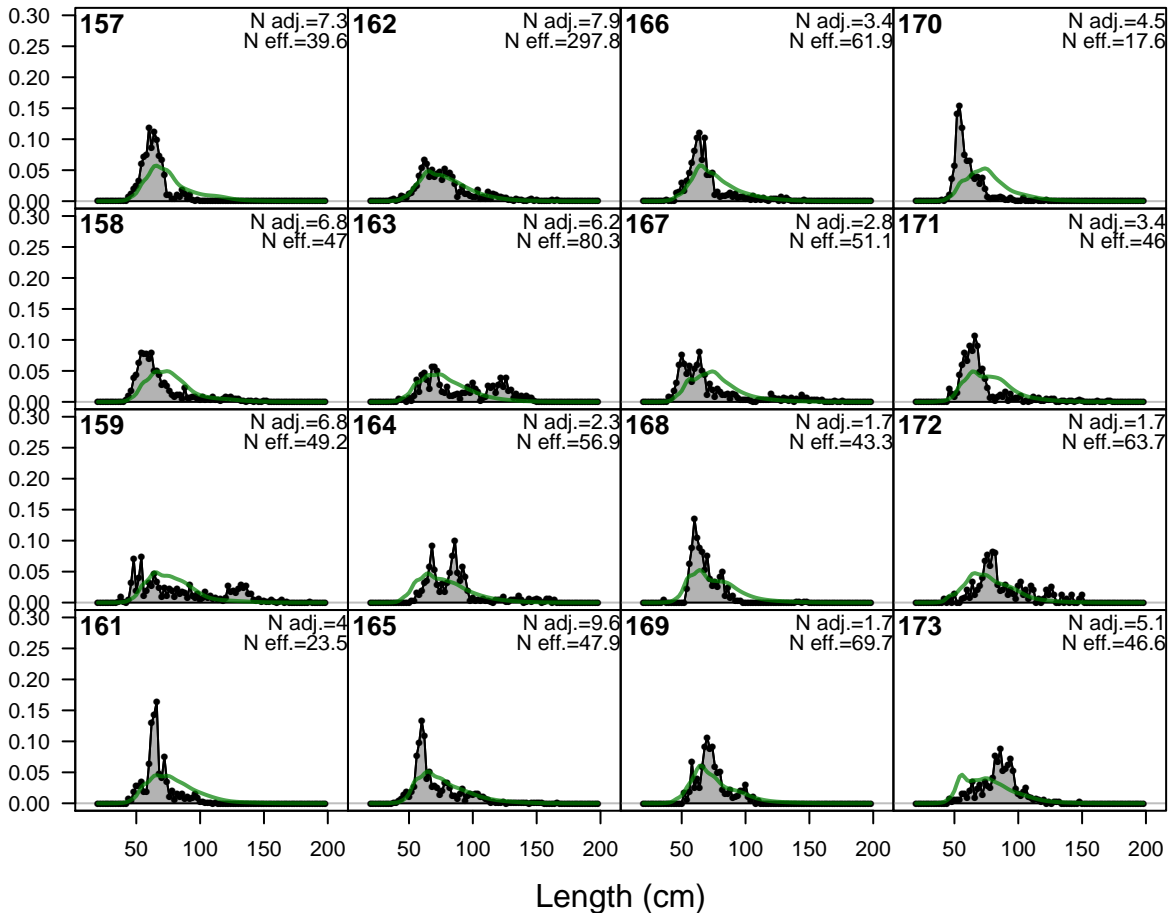
Proportion



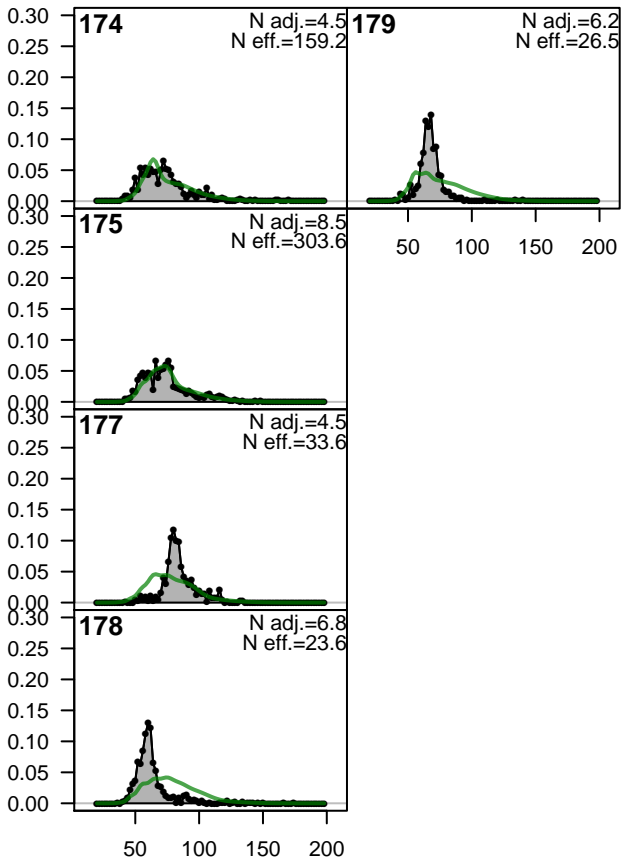
Proportion



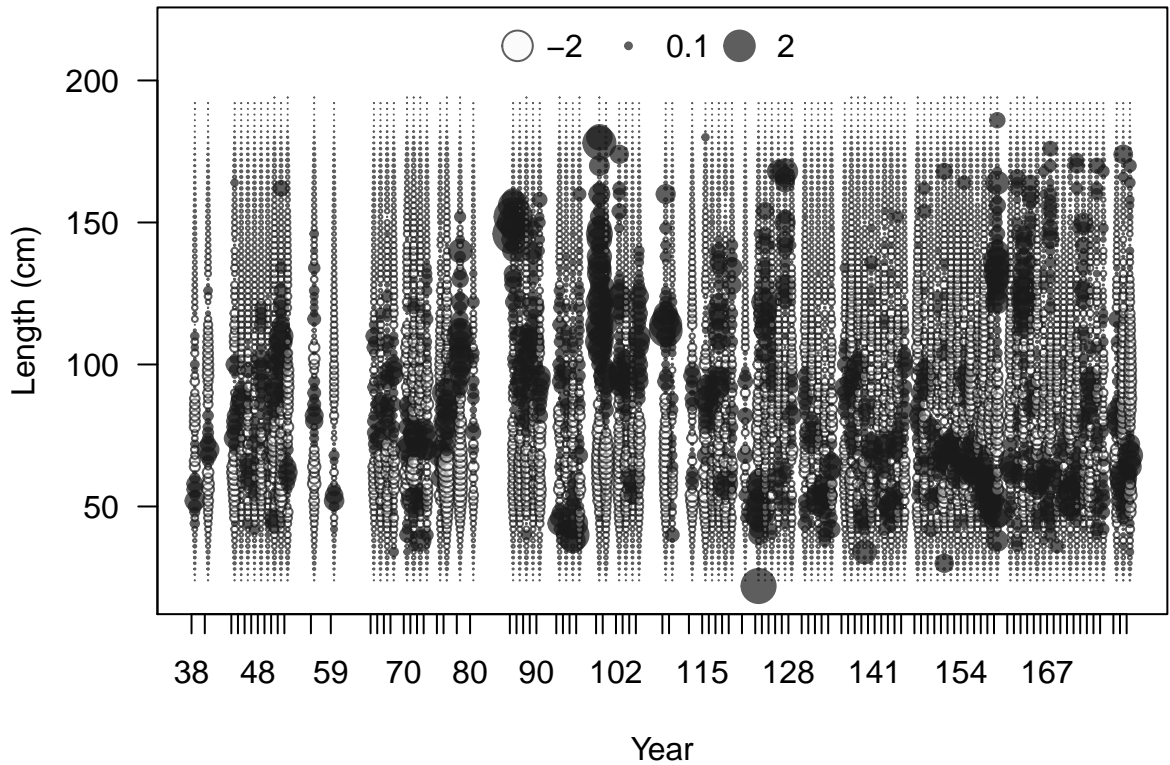
Proportion

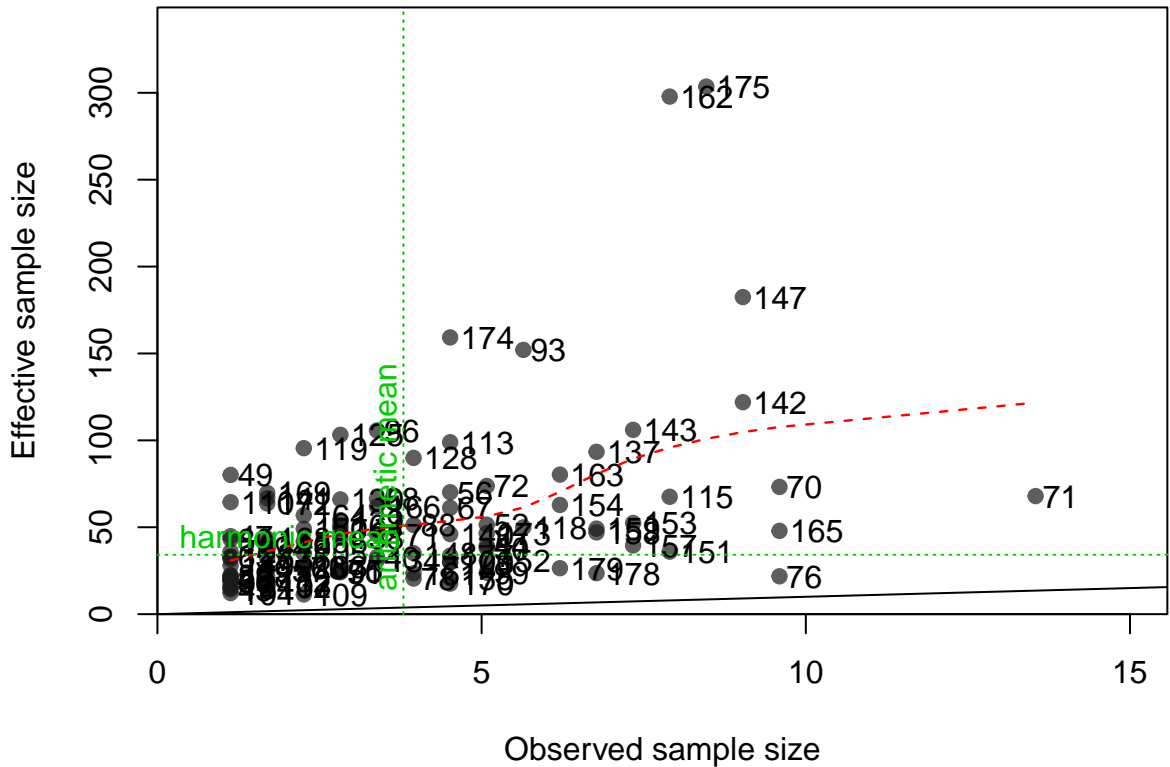


Proportion

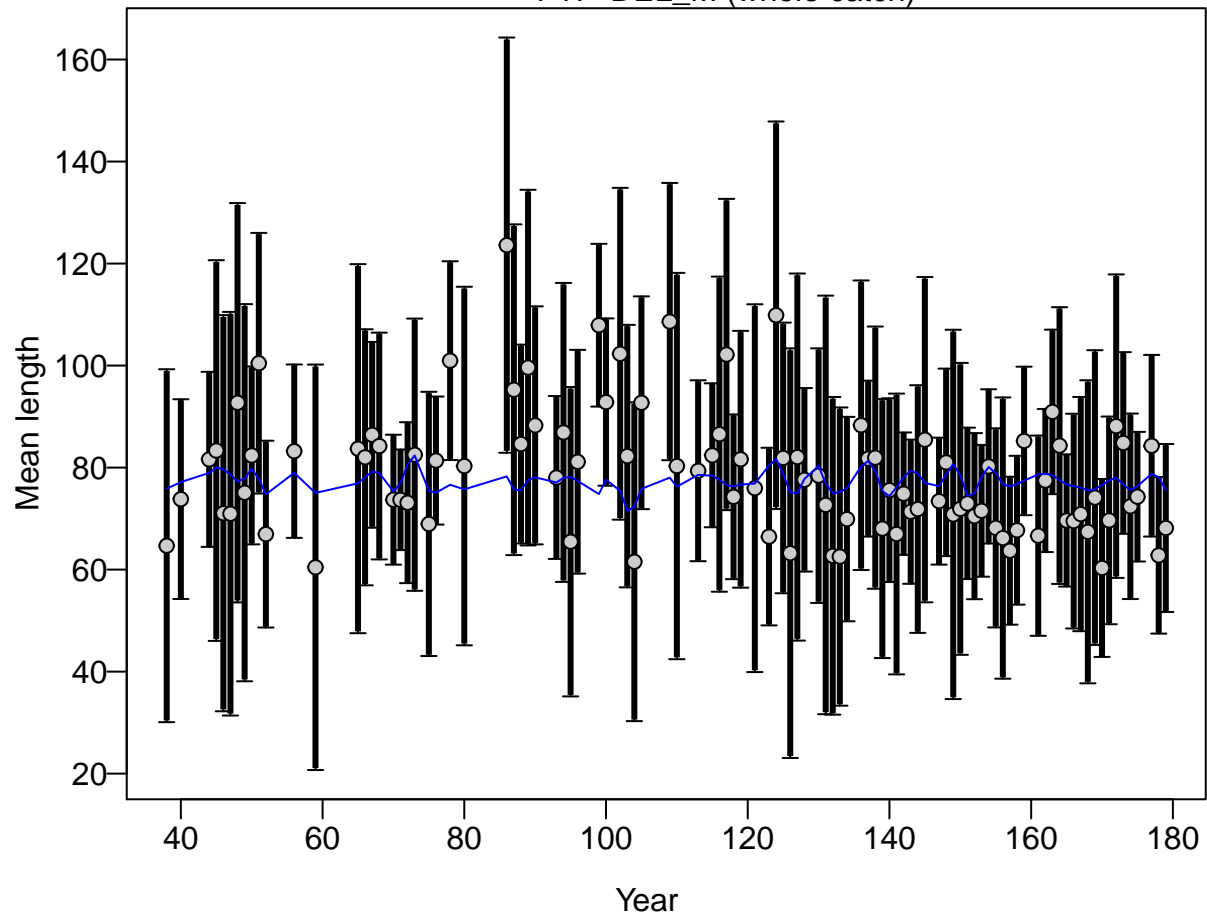


Length (cm)

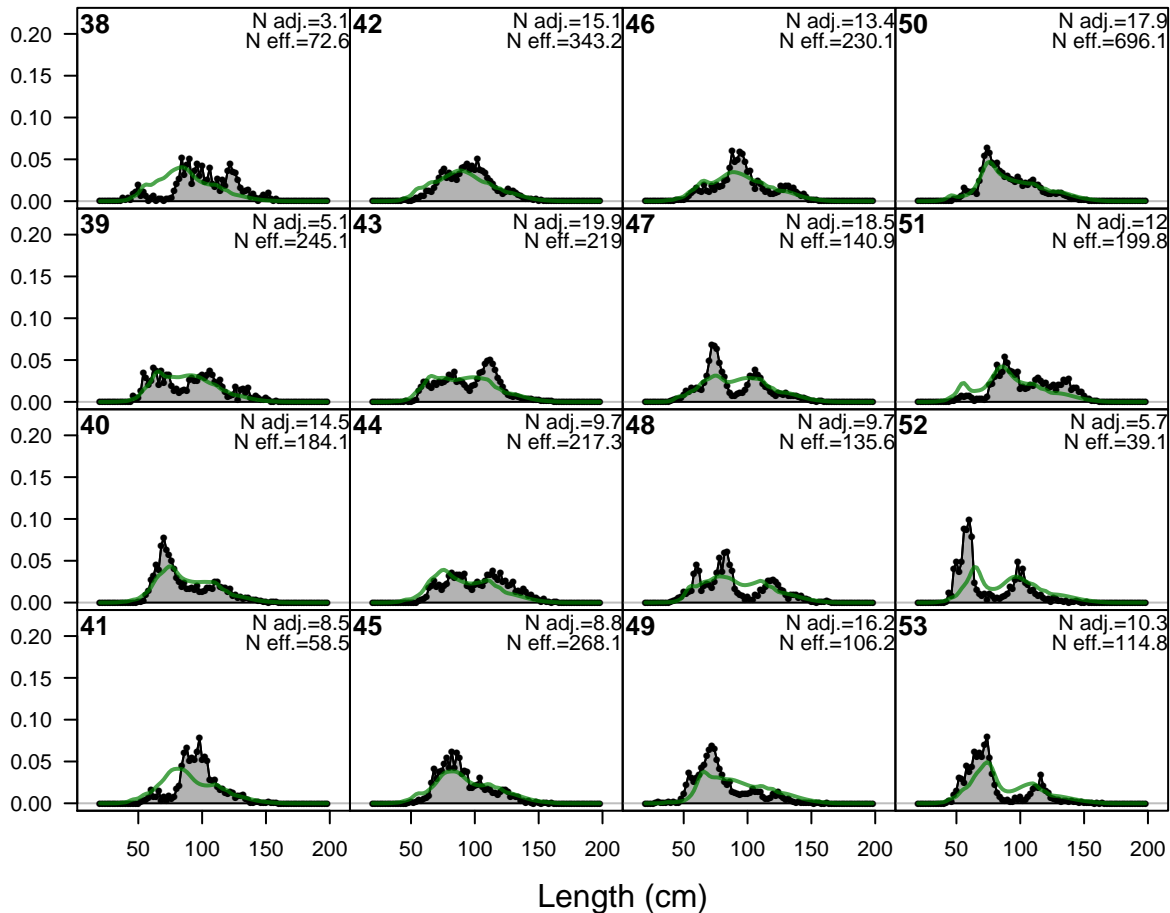




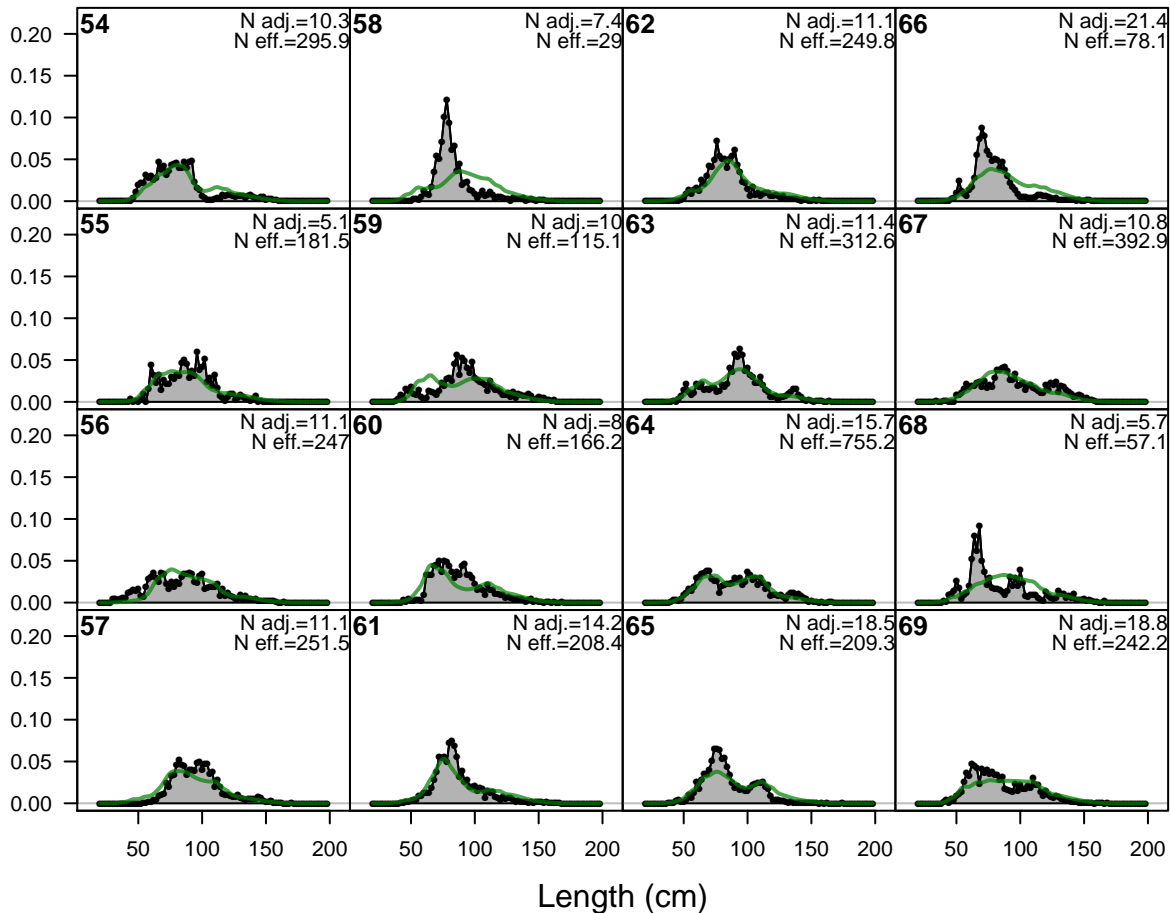
F17-DEL_M (whole catch)



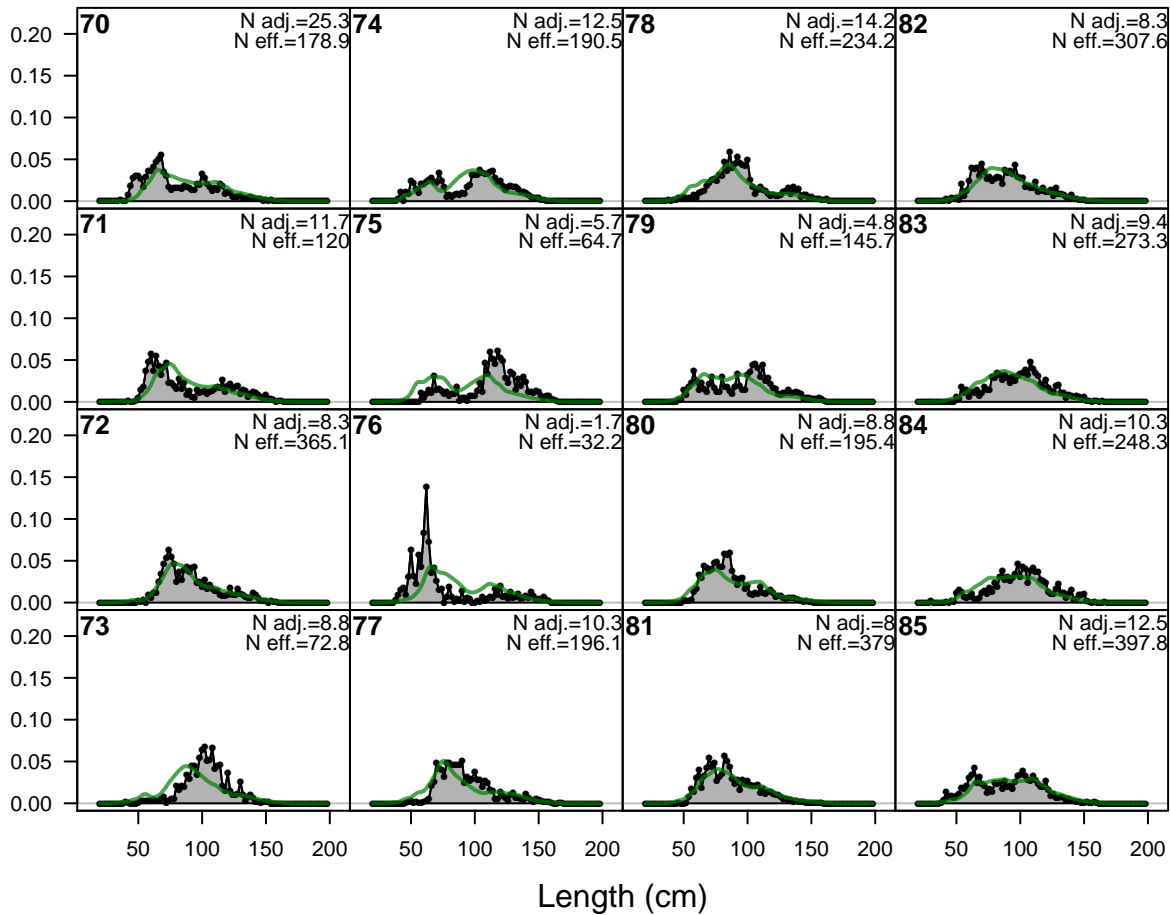
Proportion



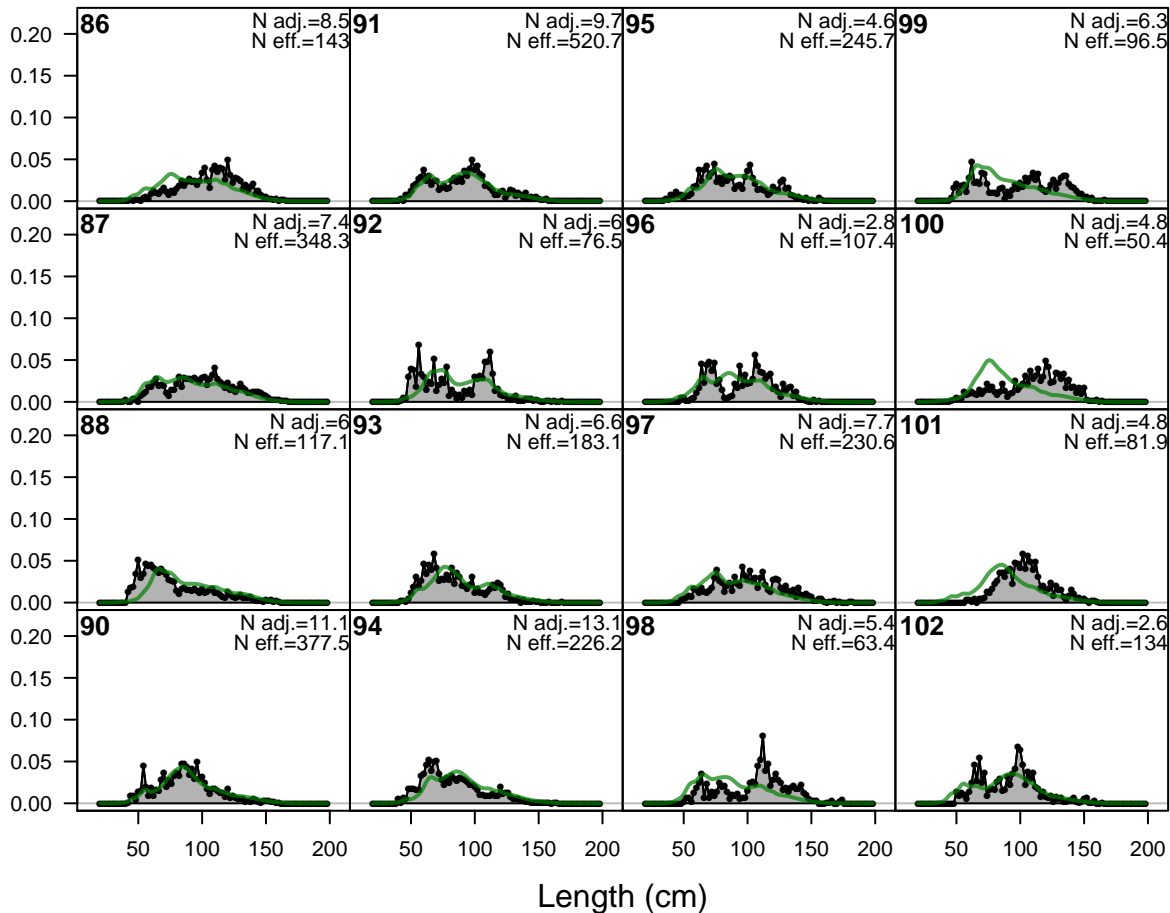
Proportion



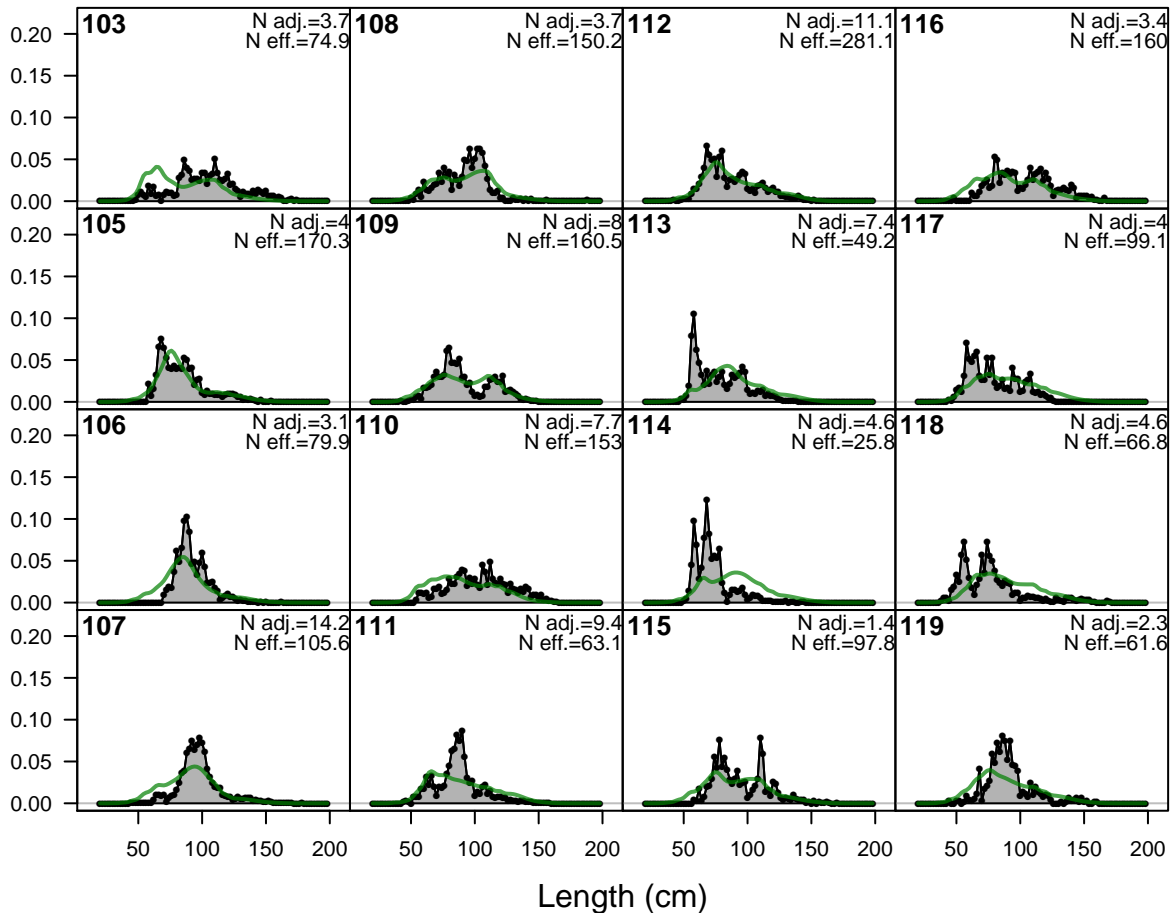
Proportion



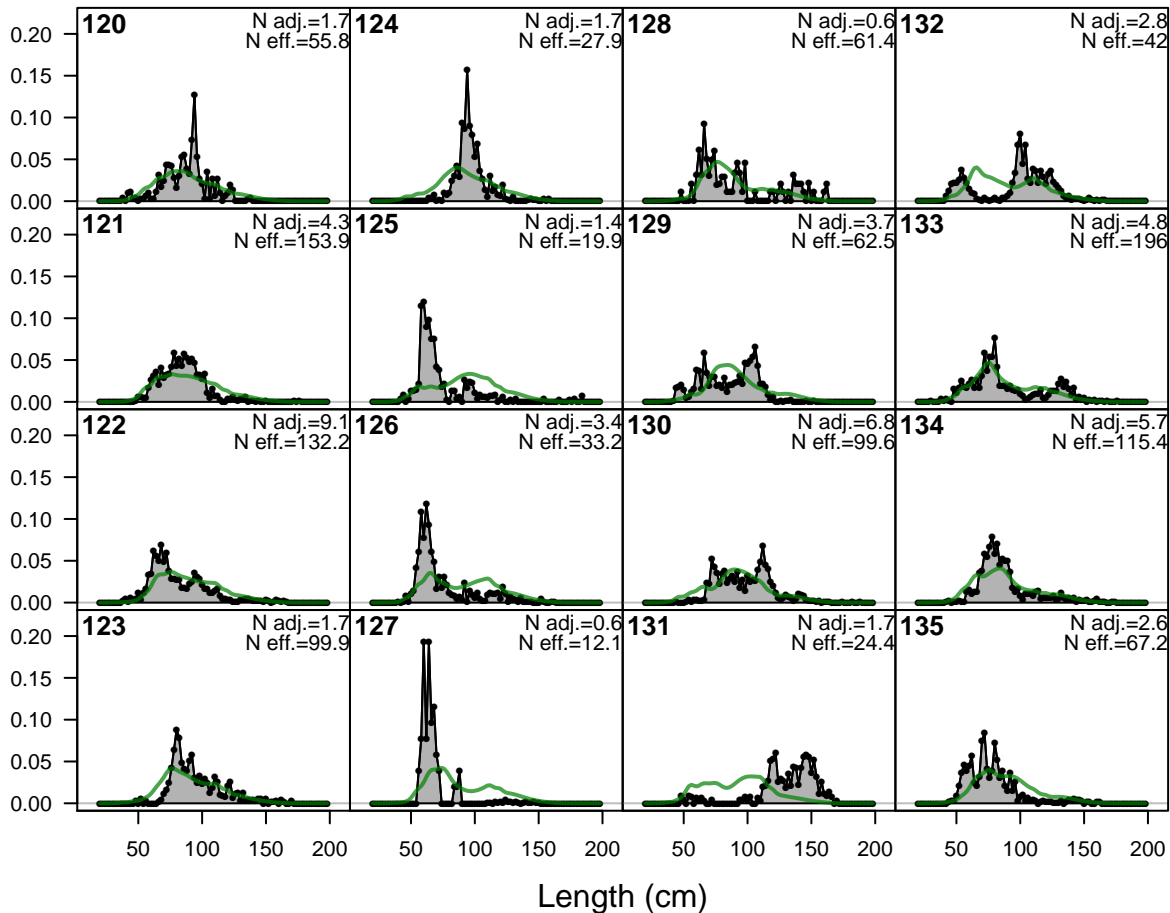
Proportion



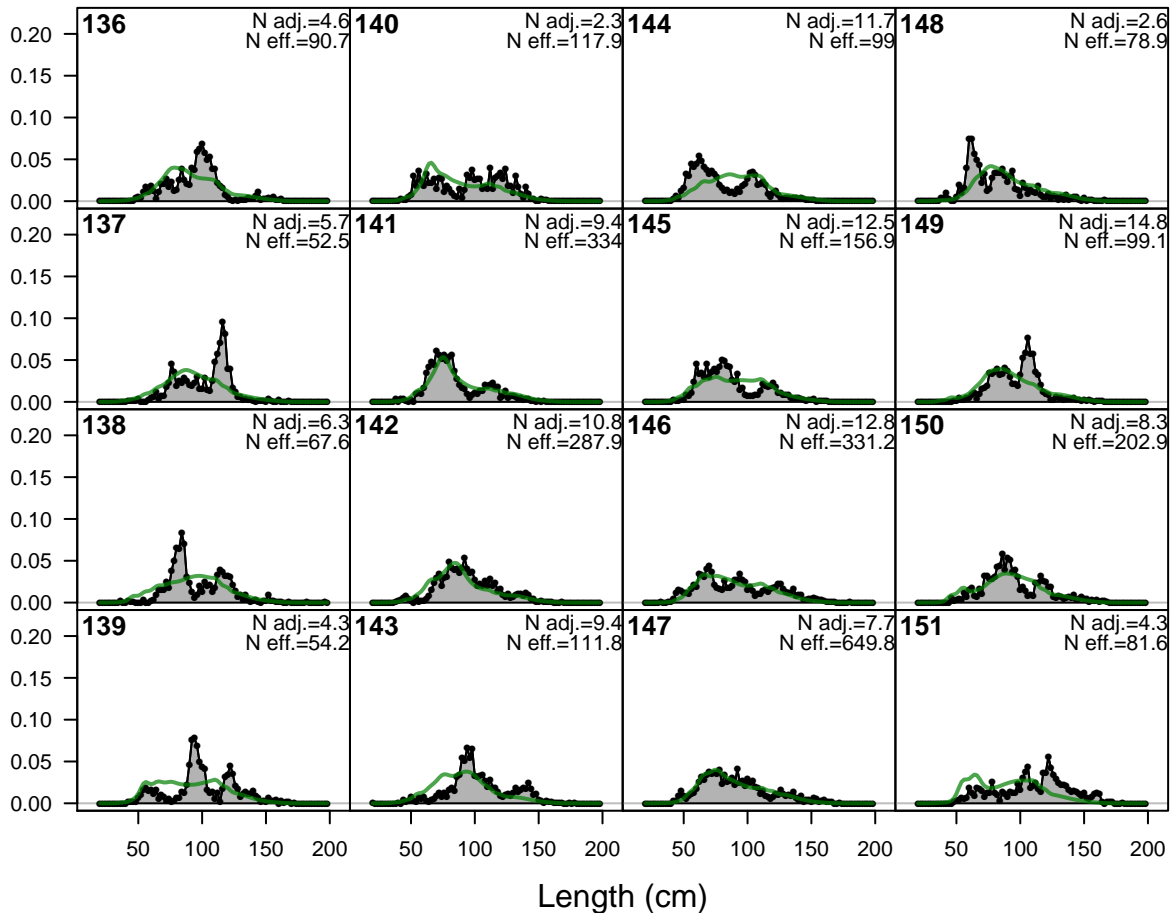
Proportion



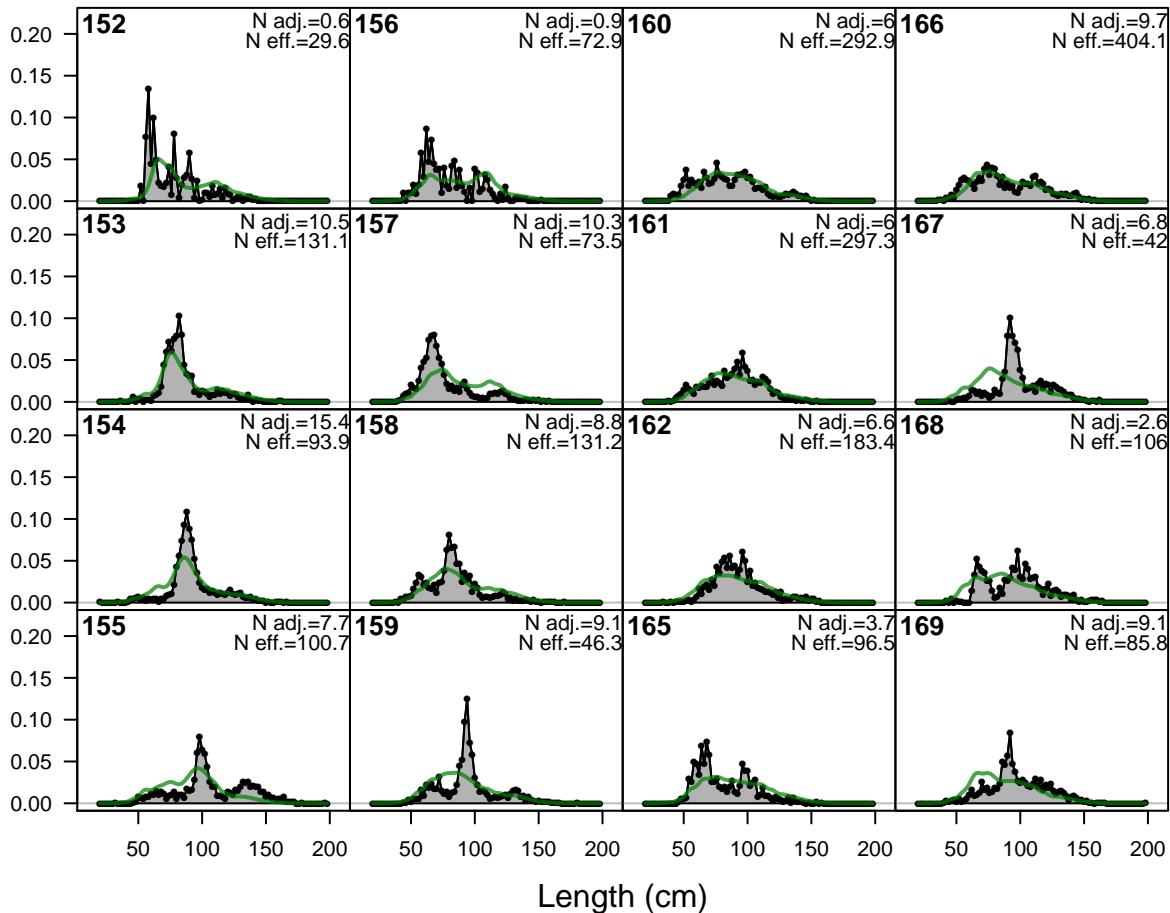
Proportion



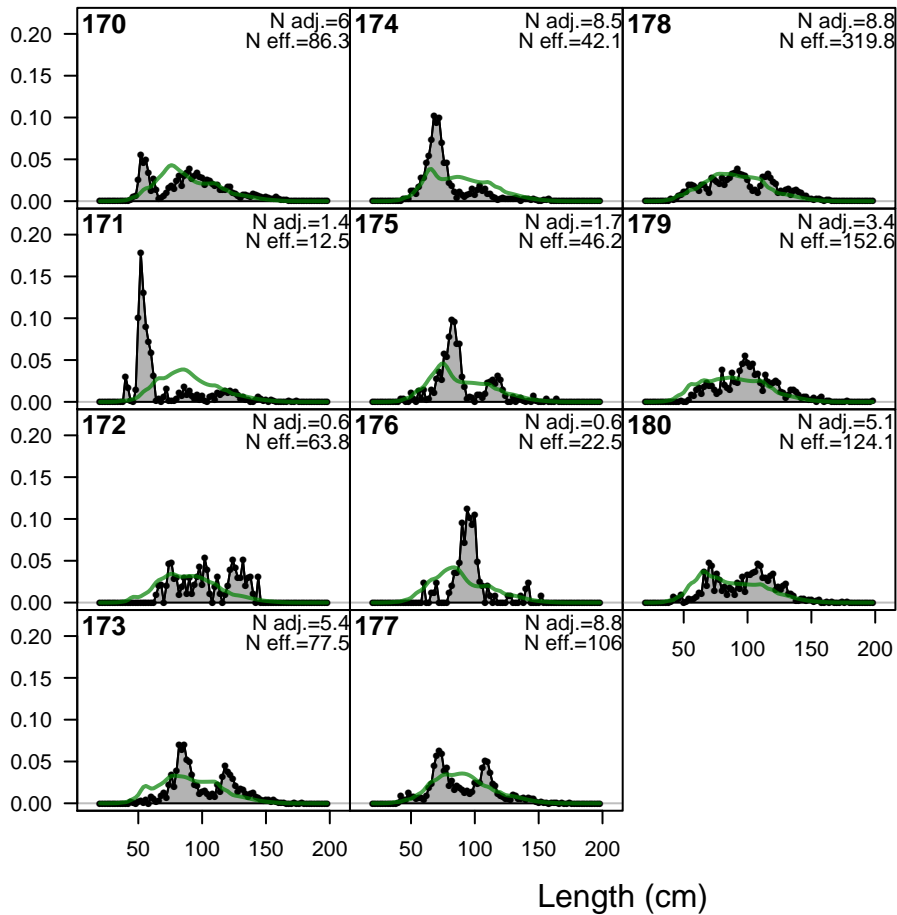
Proportion

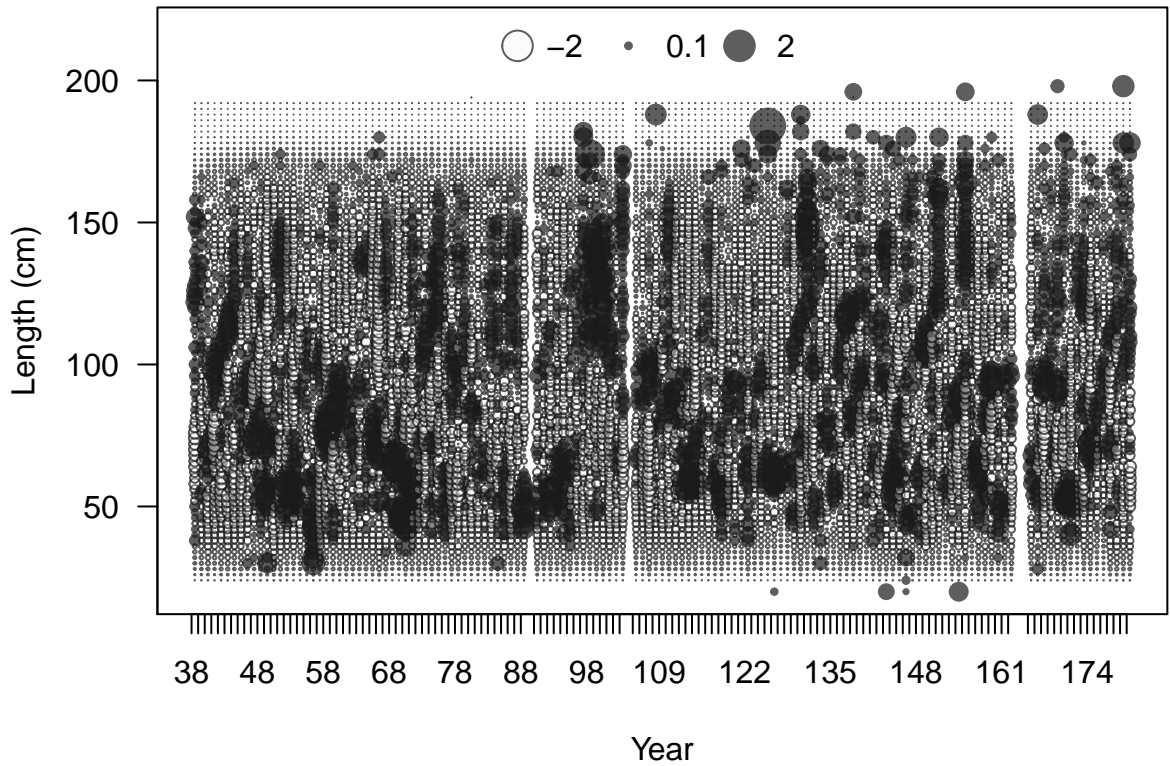


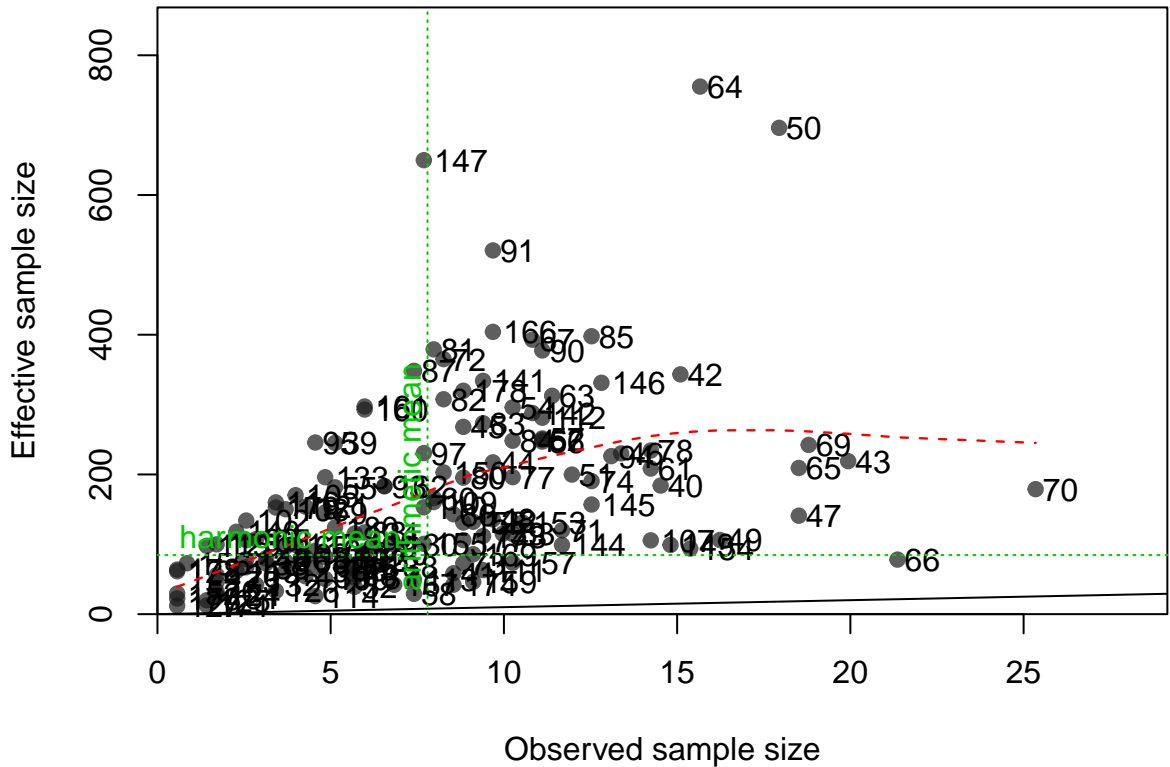
Proportion



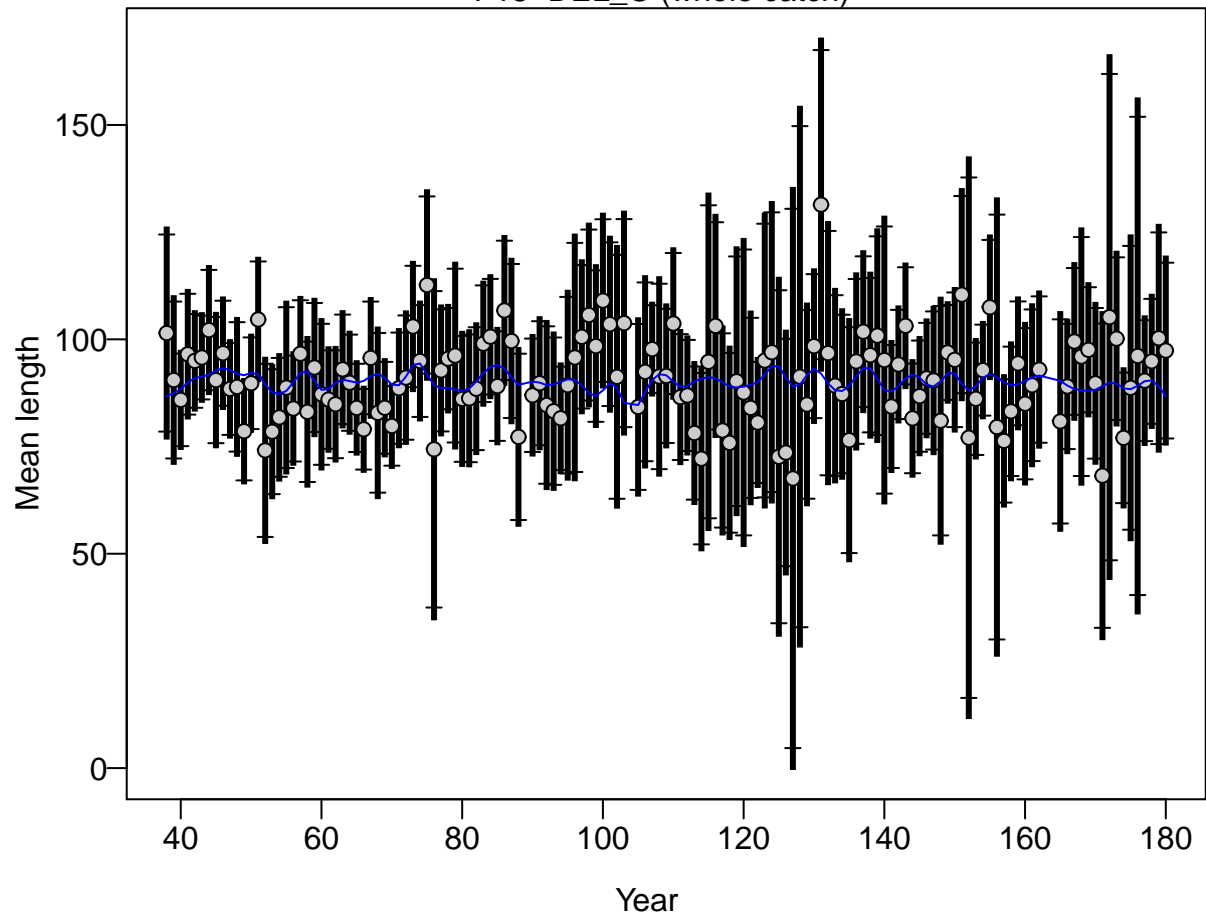
Proportion



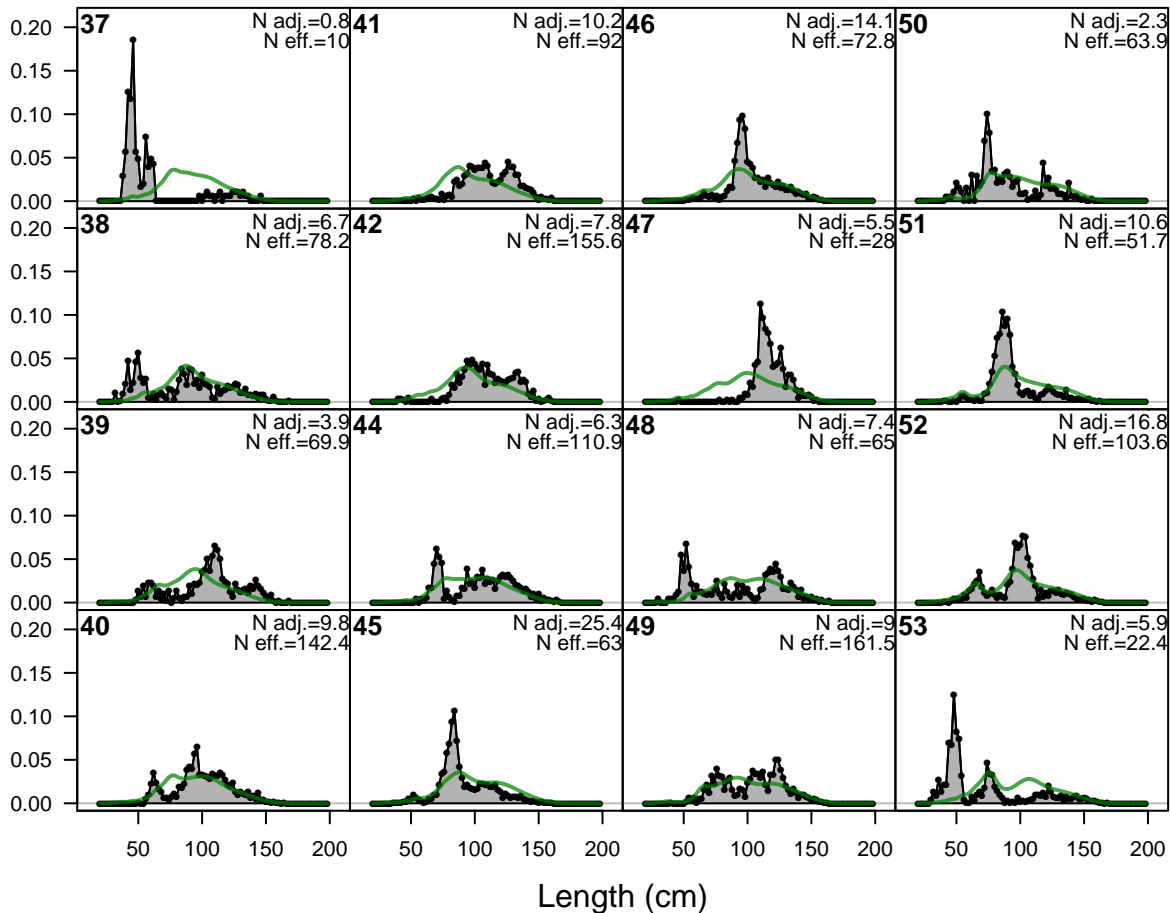




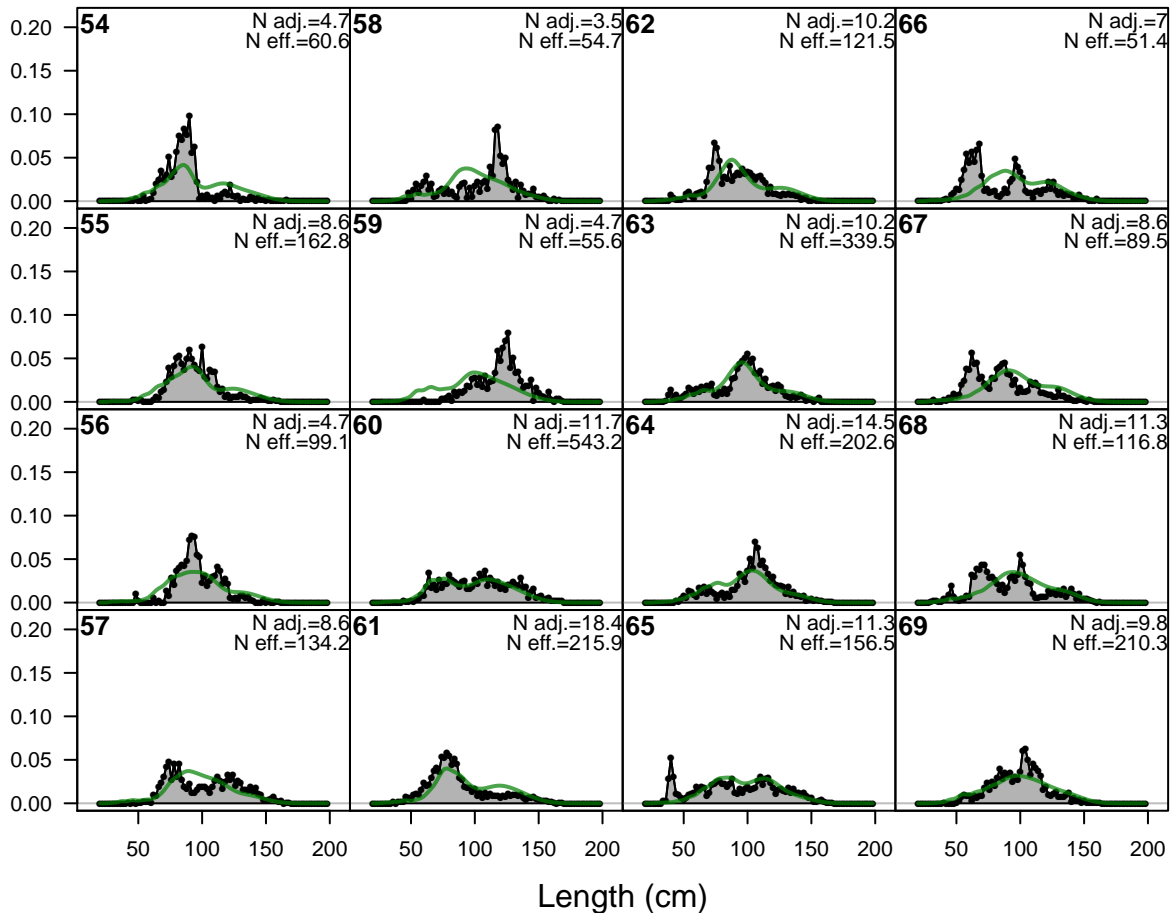
F18-DEL_C (whole catch)



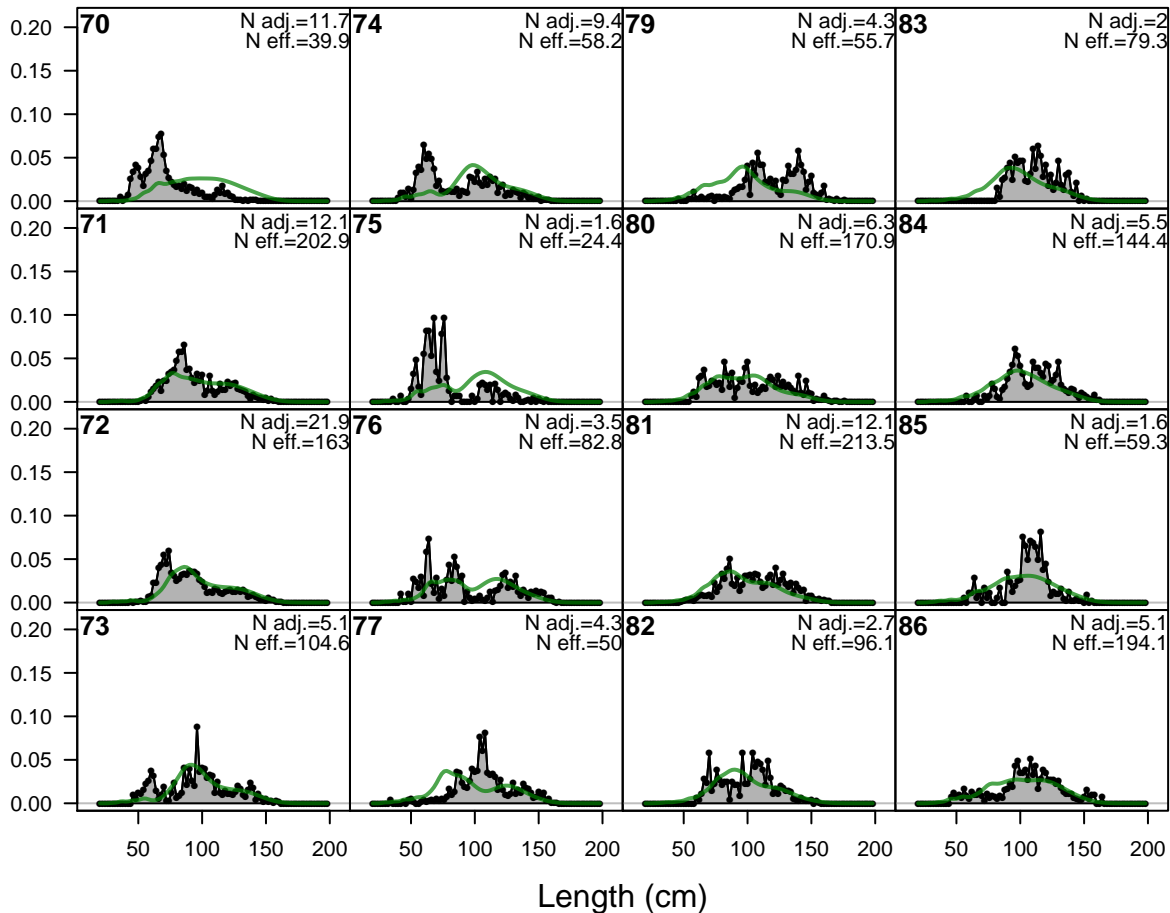
Proportion



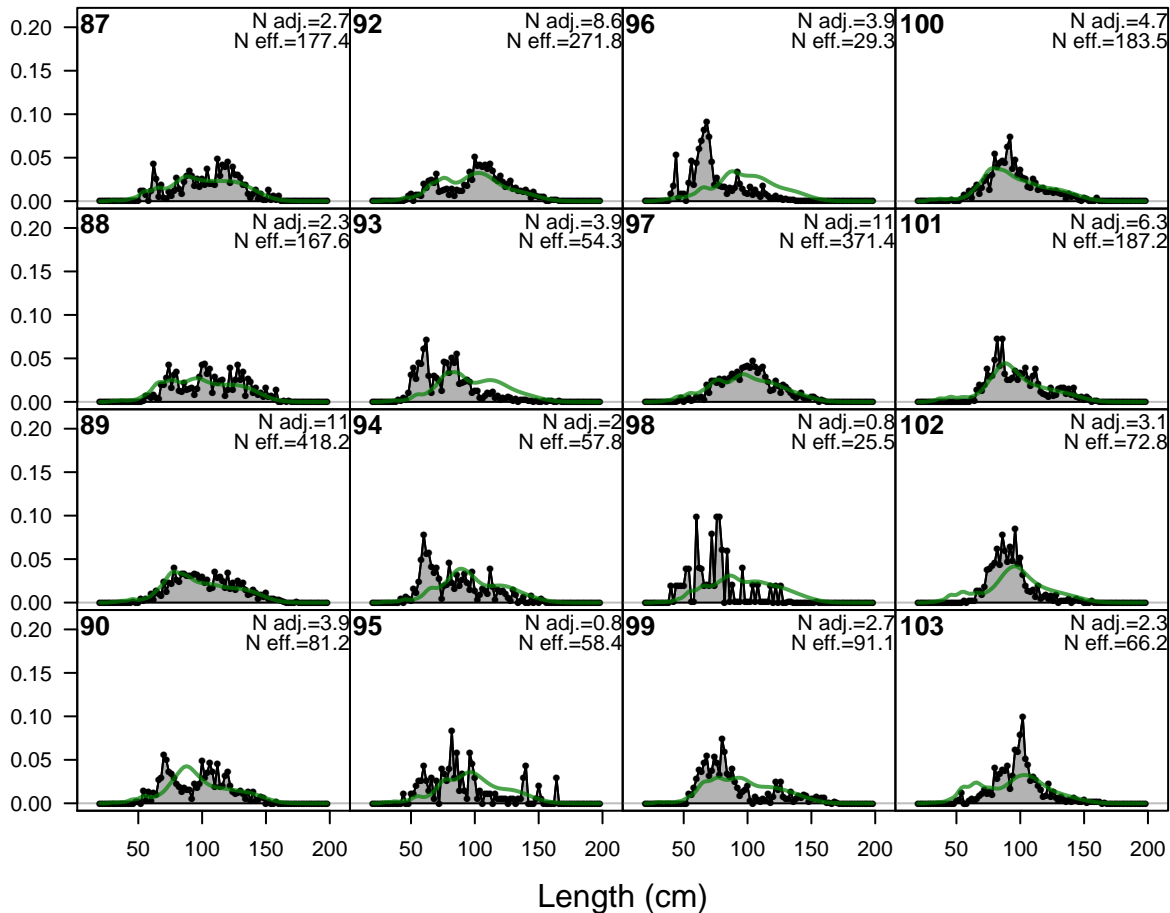
Proportion



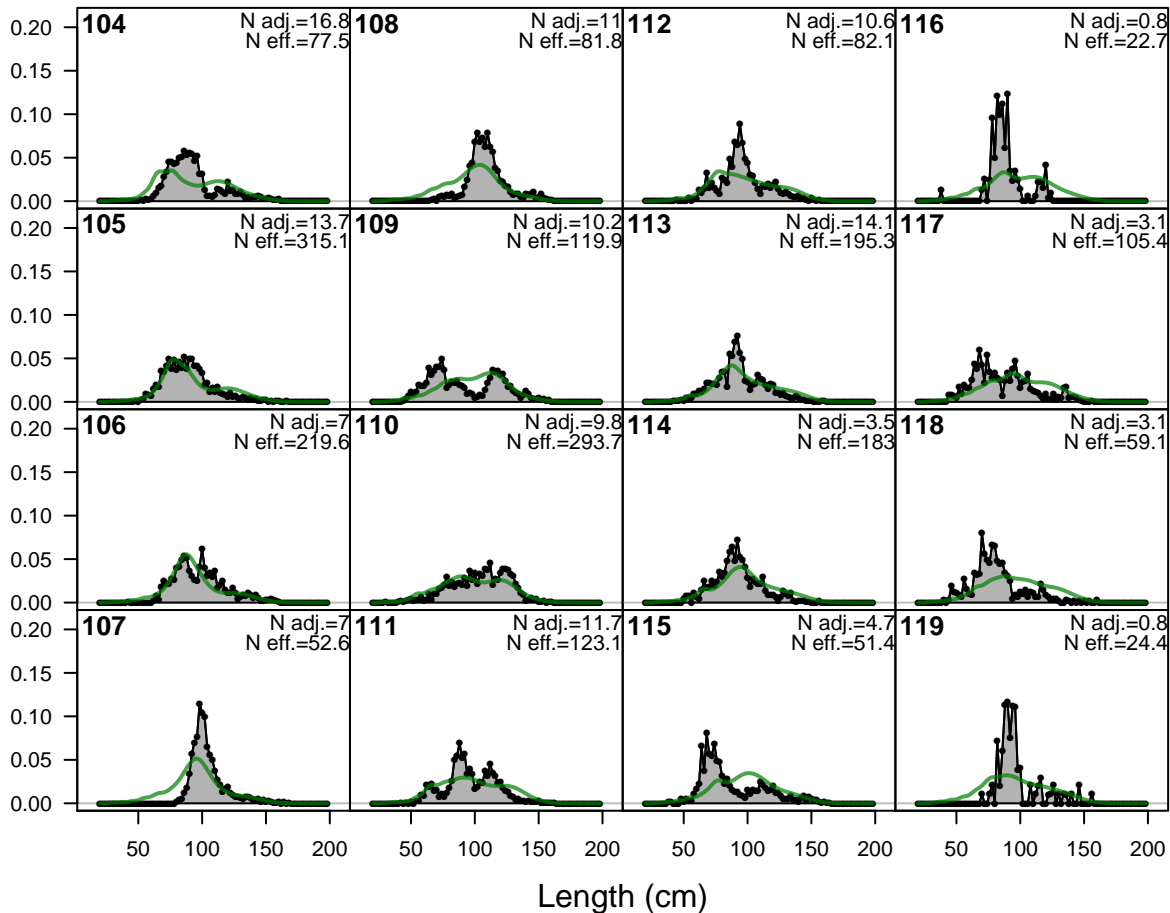
Proportion



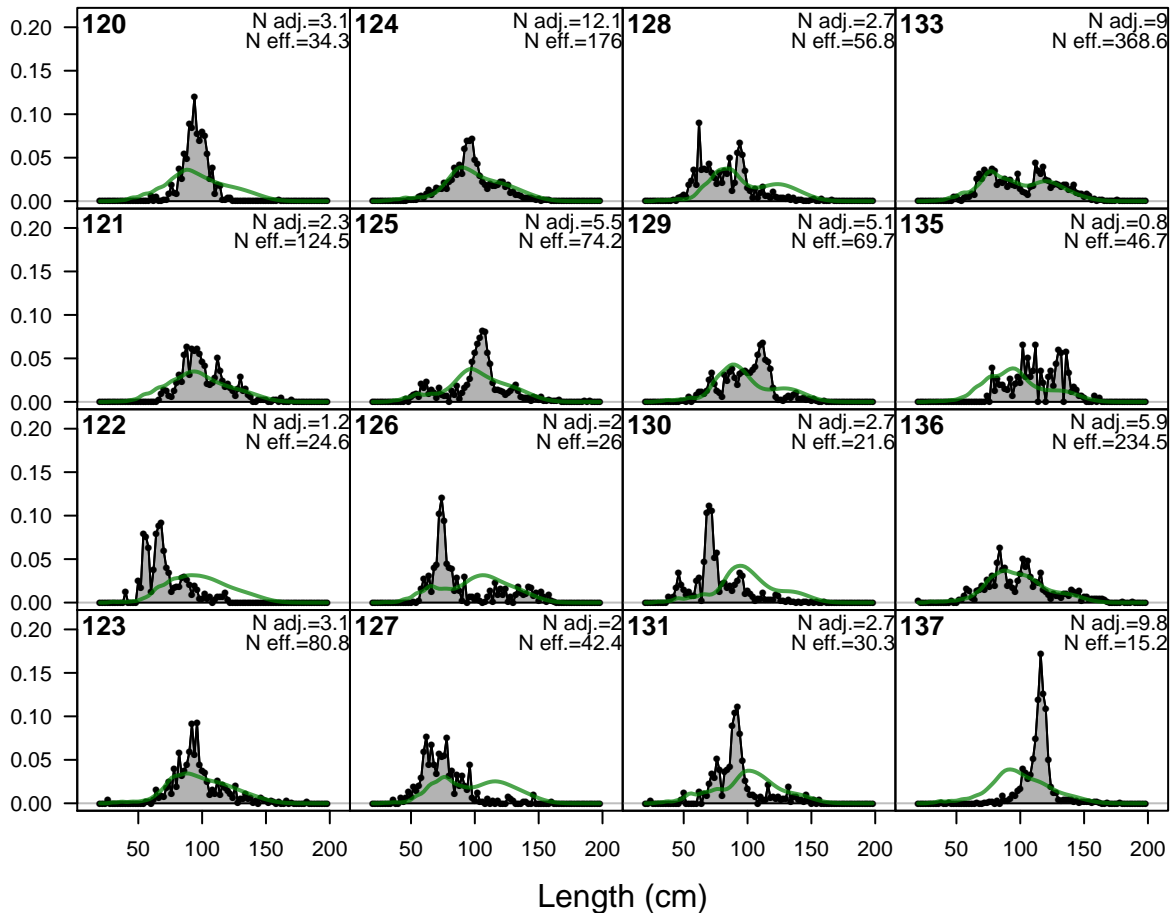
Proportion



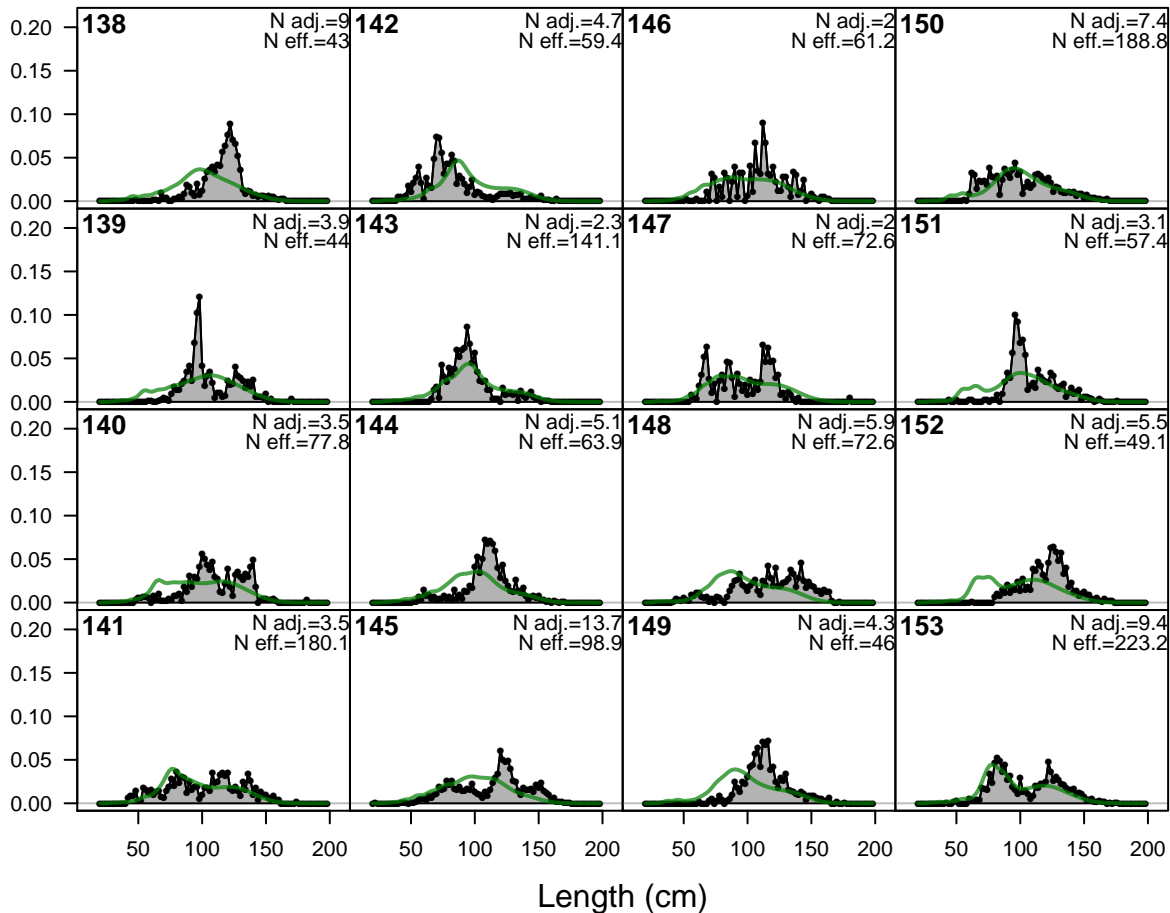
Proportion



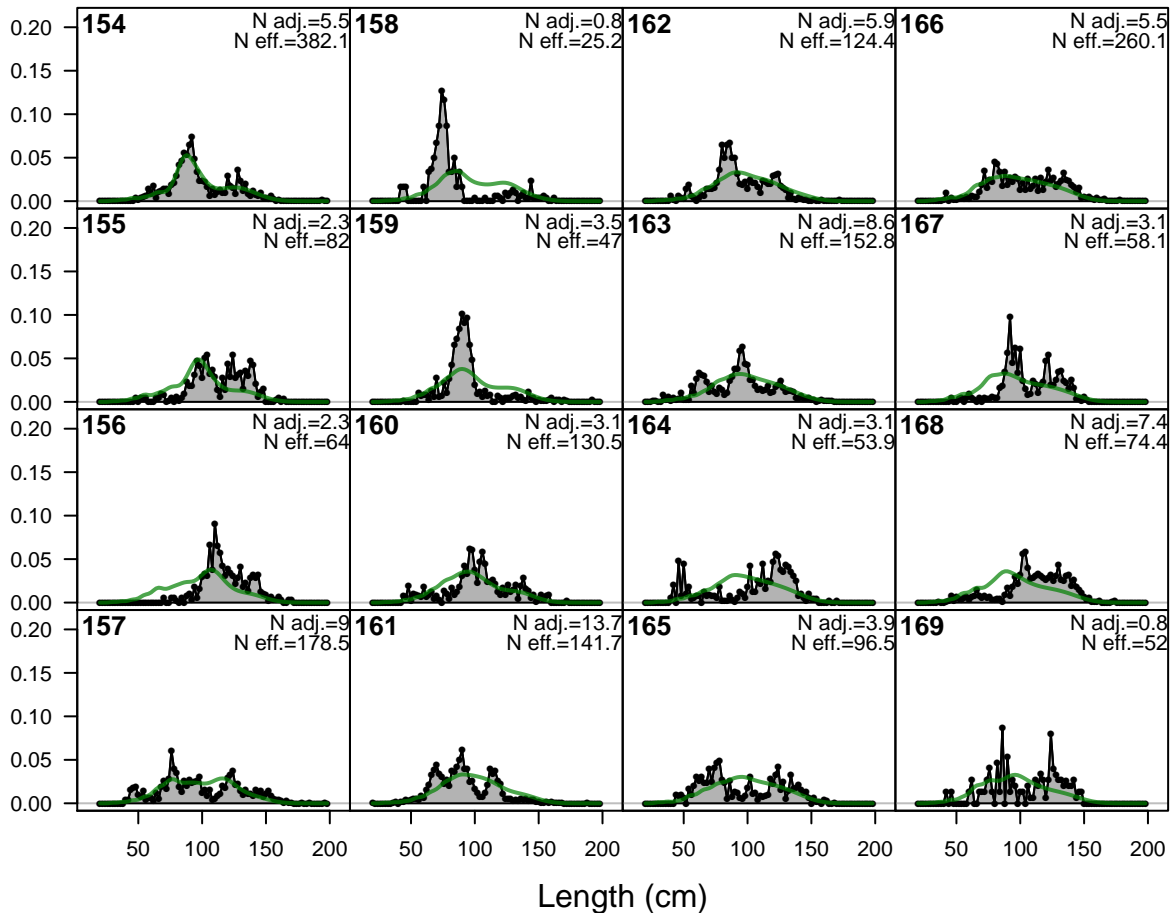
Proportion



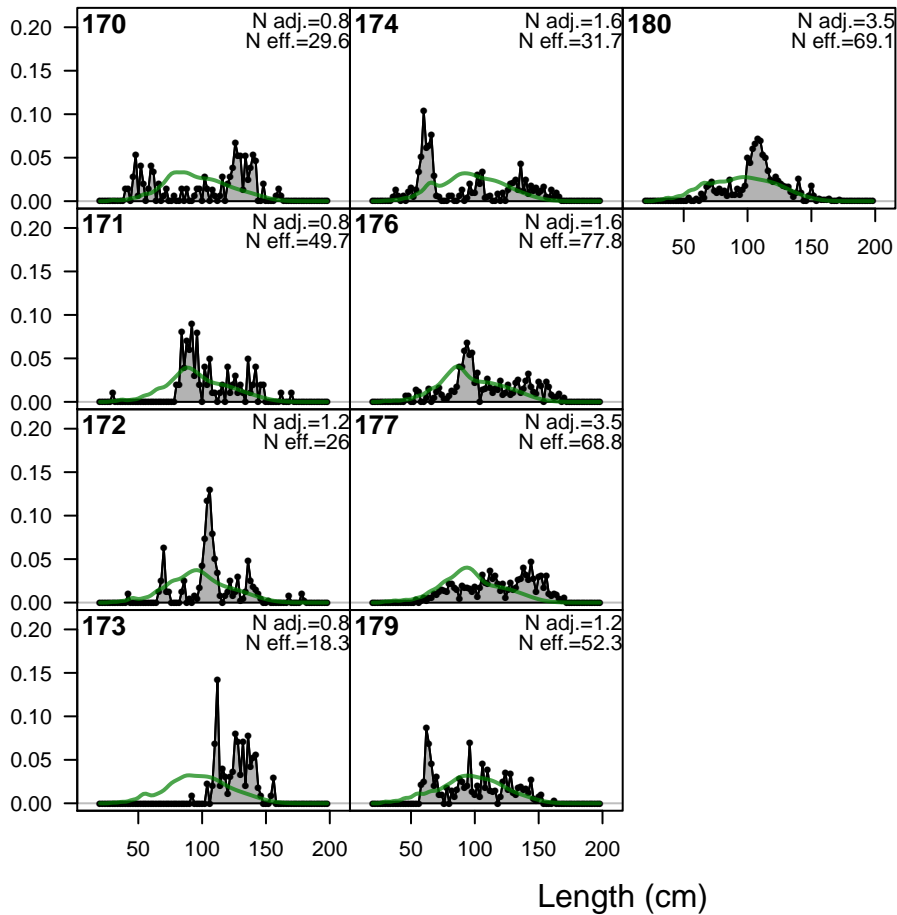
Proportion

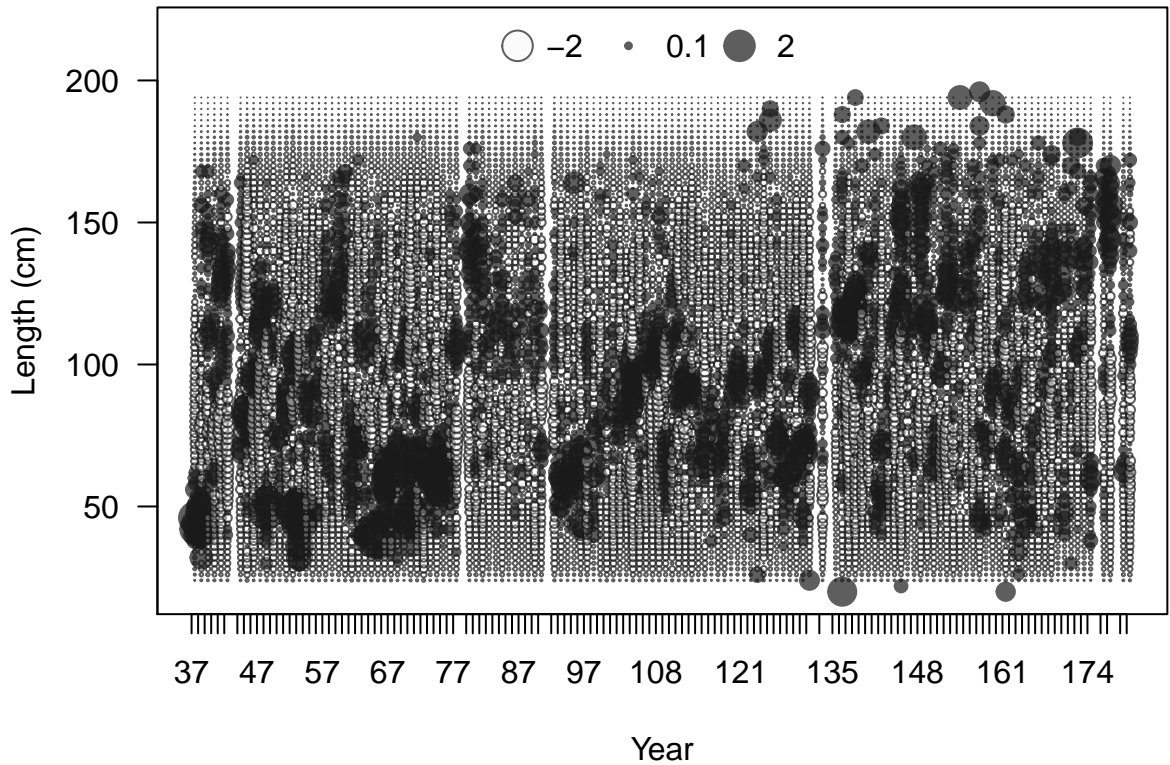


Proportion

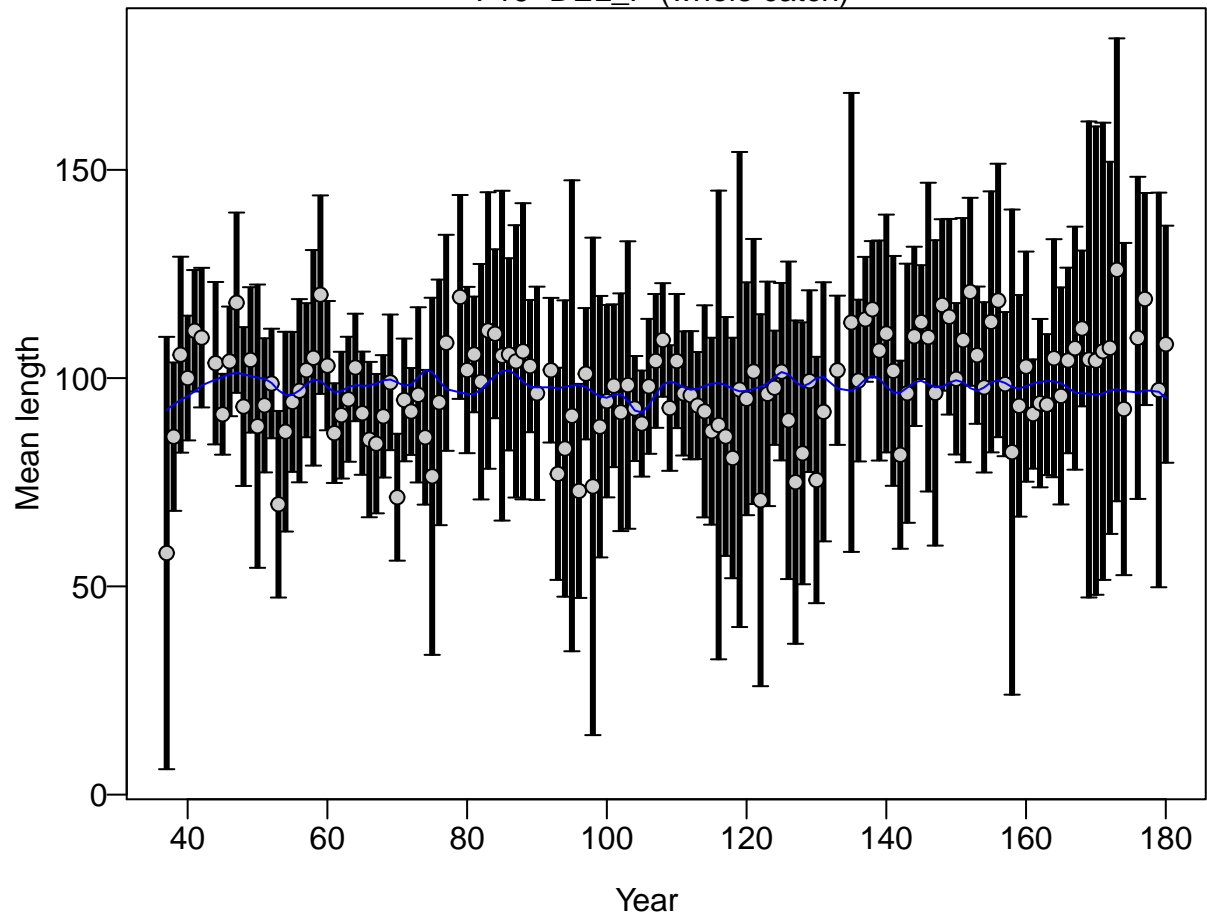


Proportion

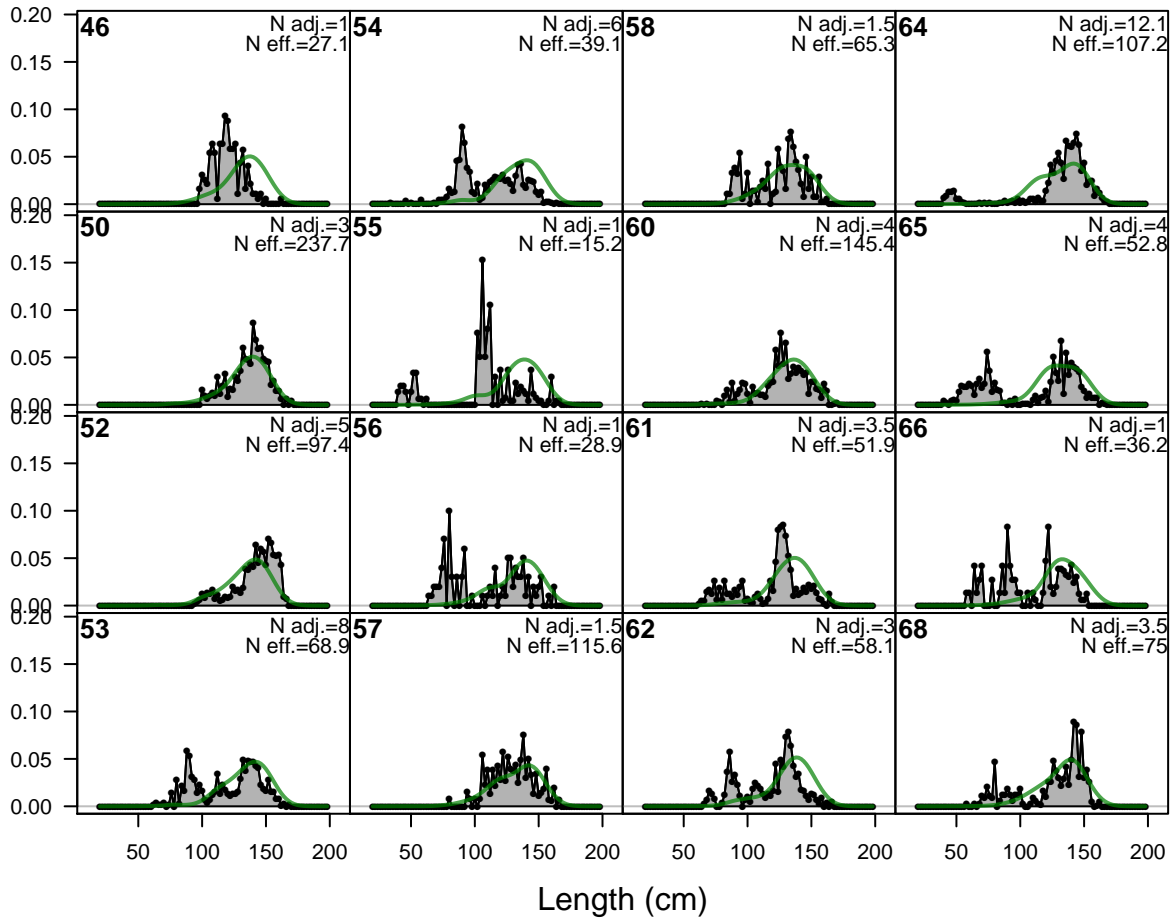




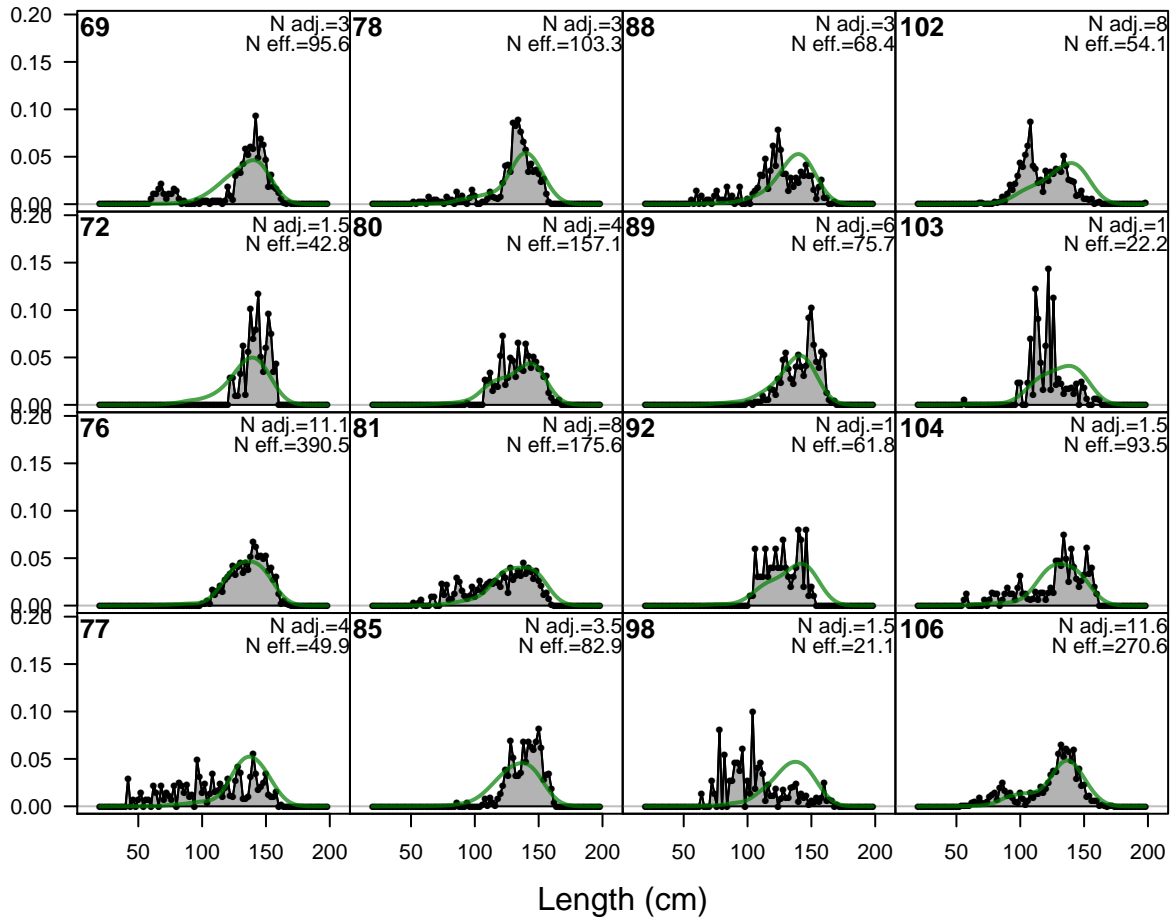
F19-DEL_P (whole catch)



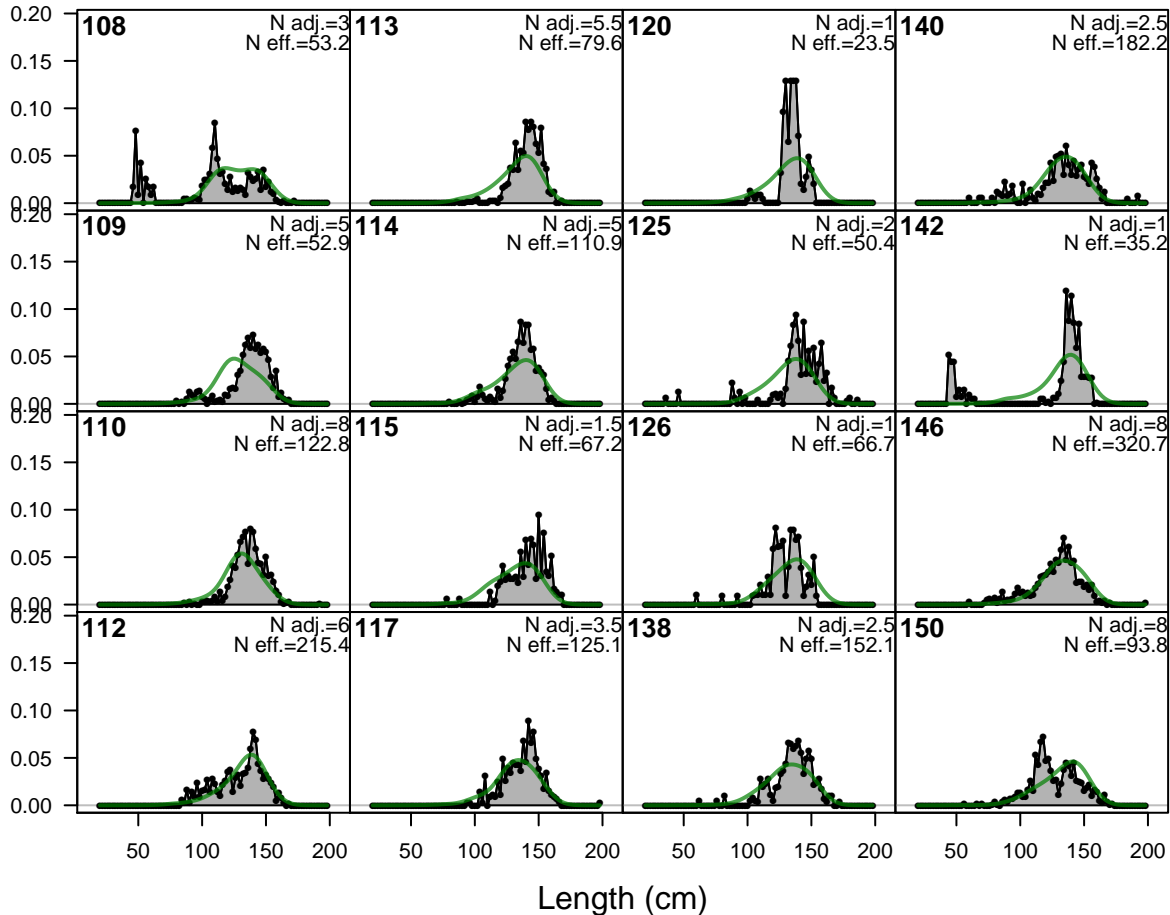
Proportion



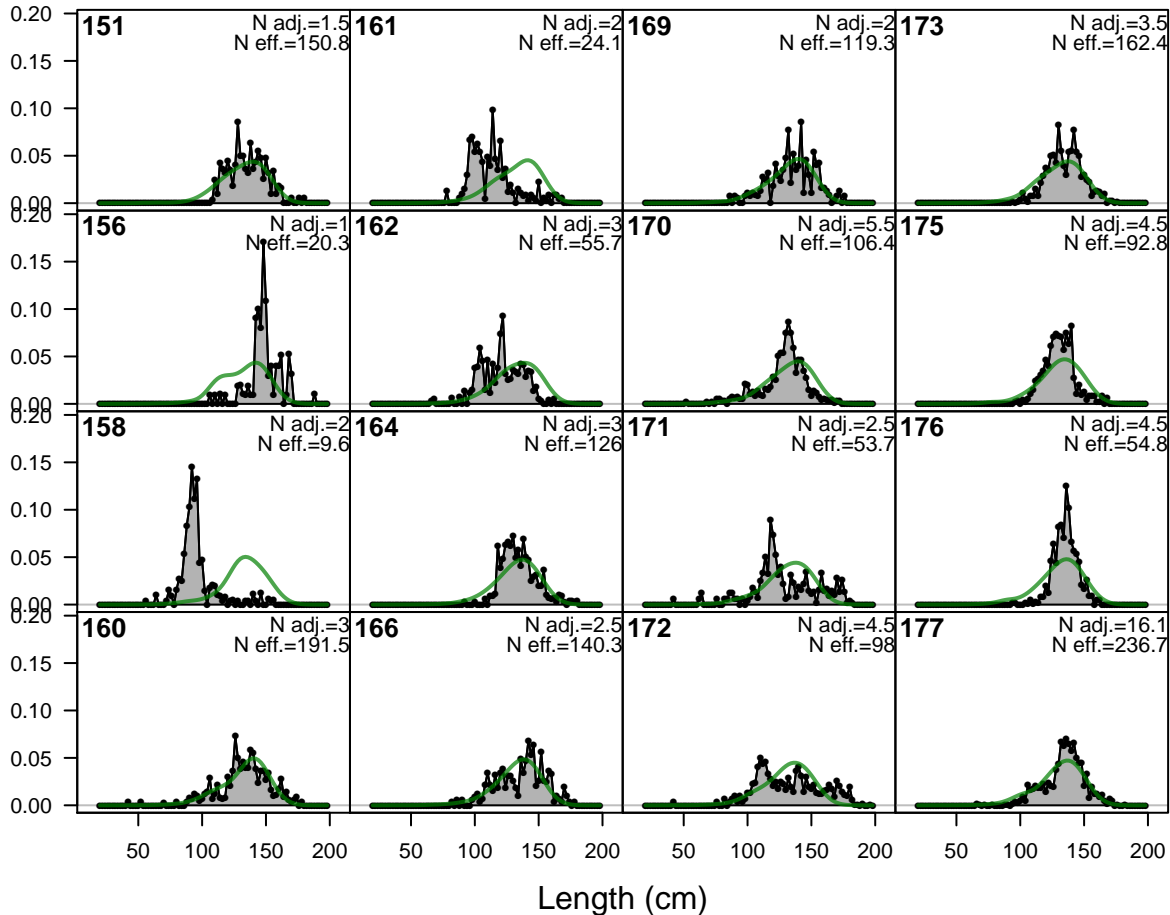
Proportion



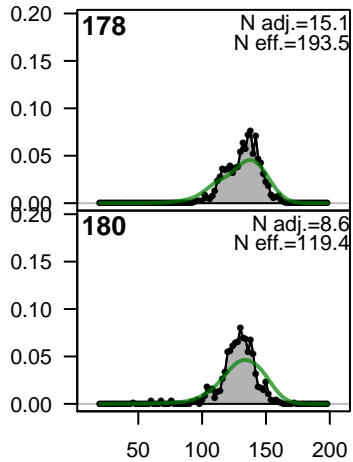
Proportion



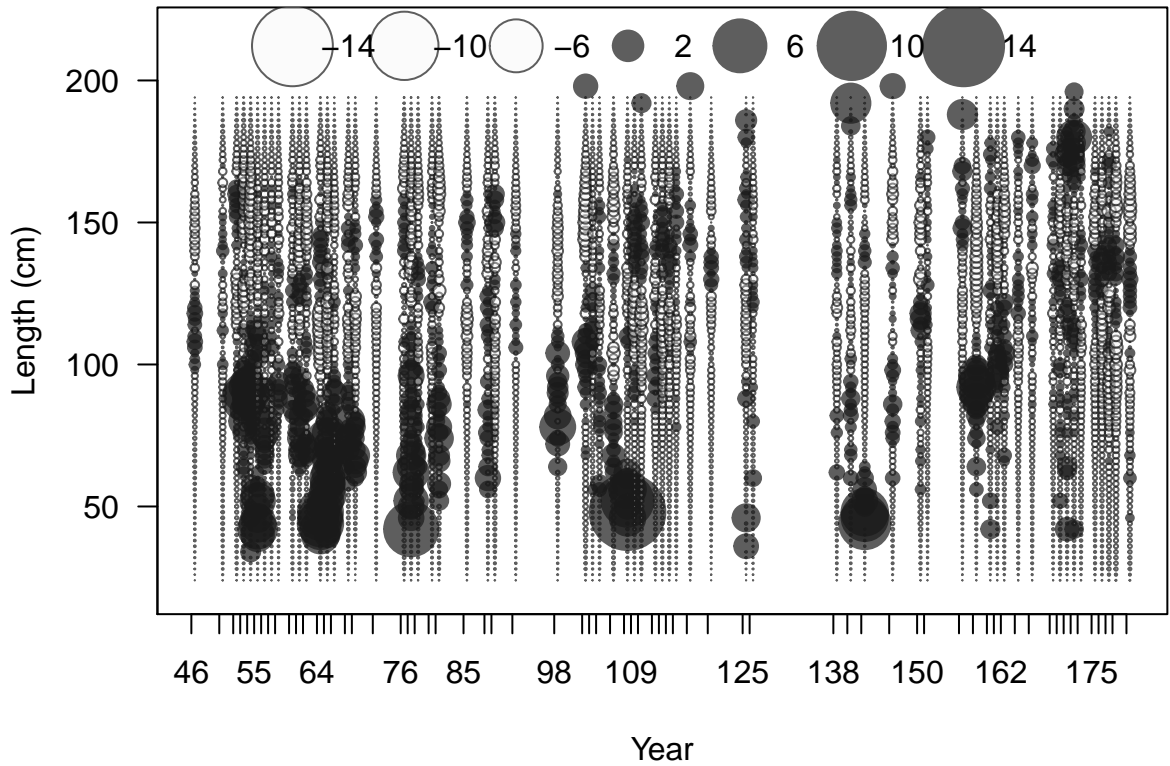
Proportion

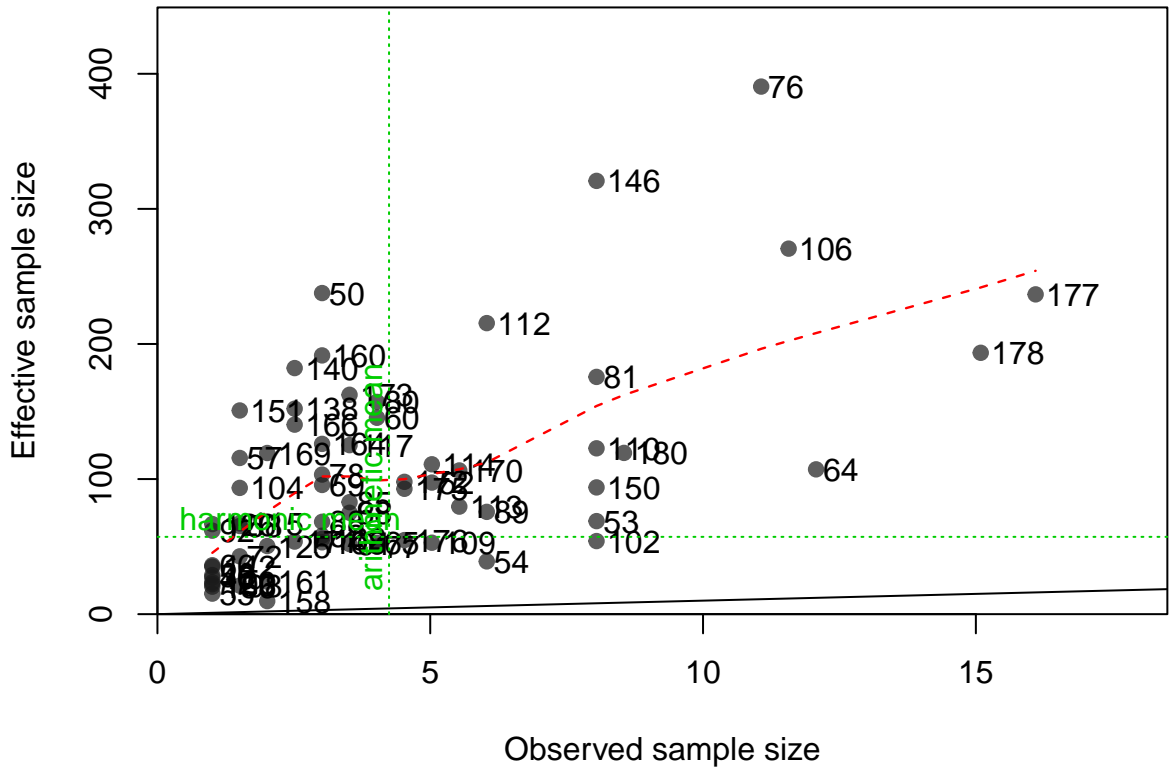


Proportion

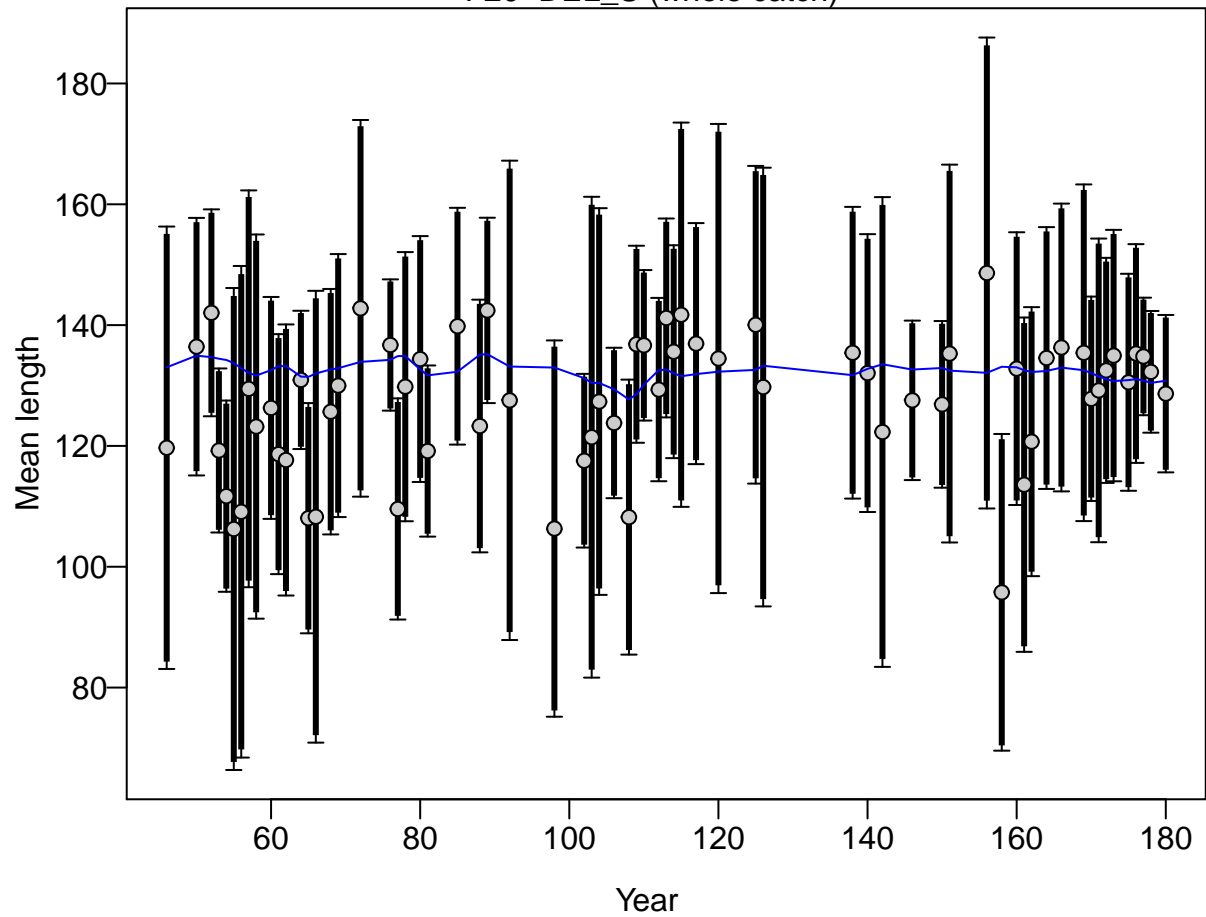


Length (cm)

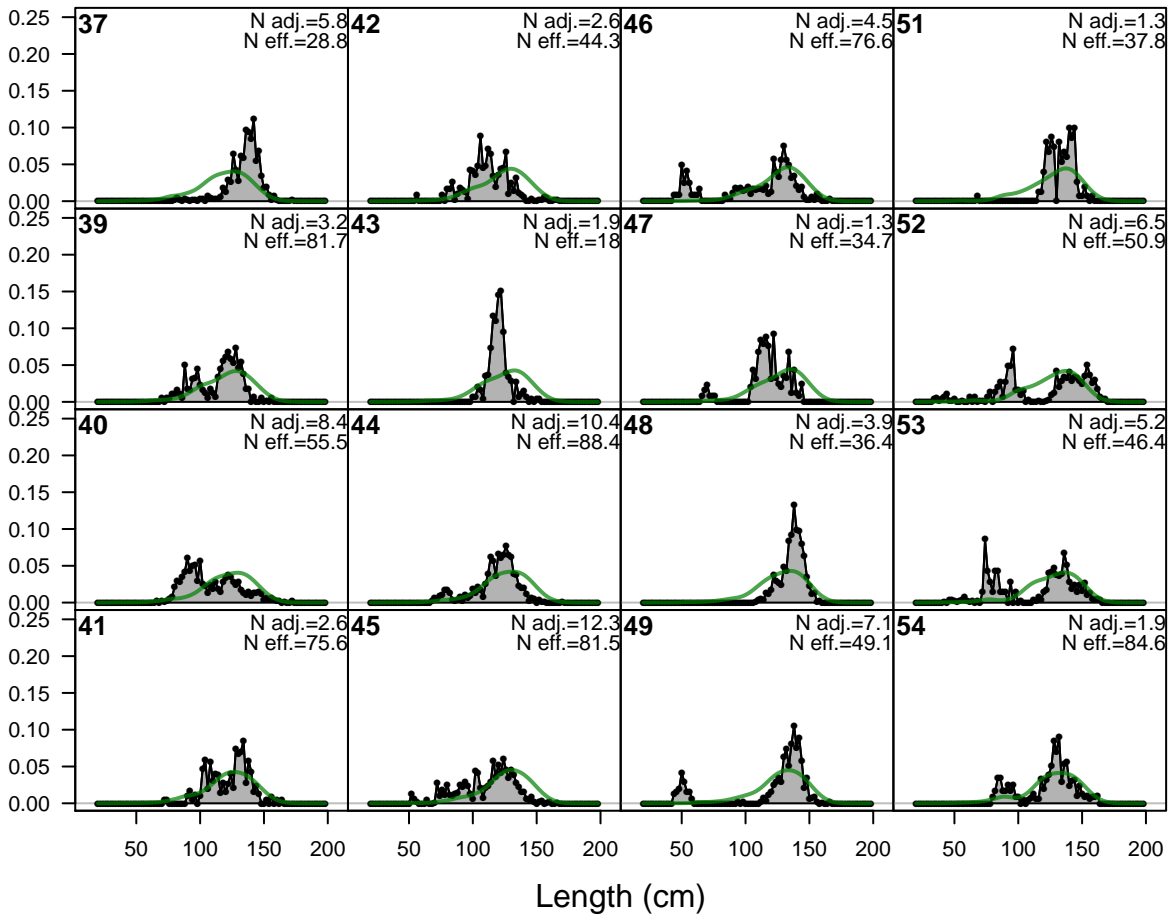




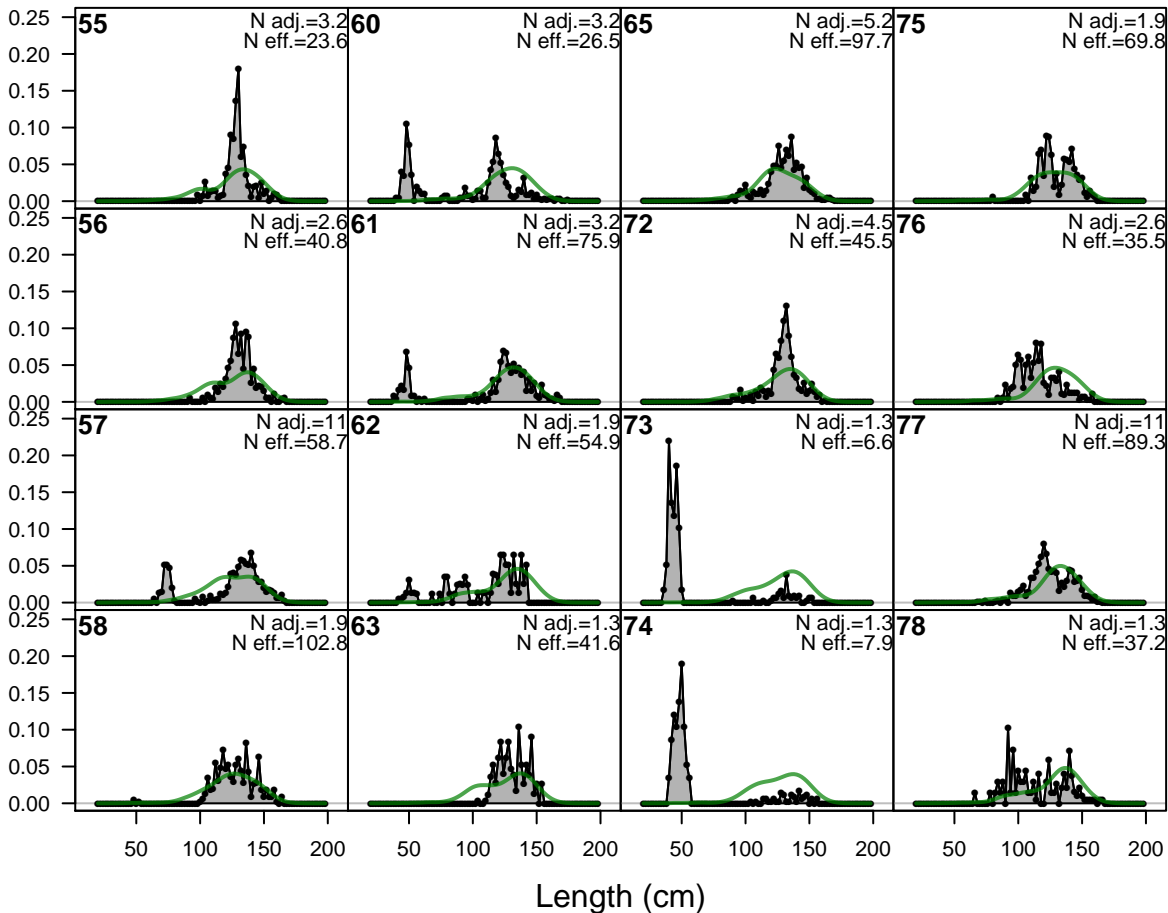
F20-DEL_S (whole catch)



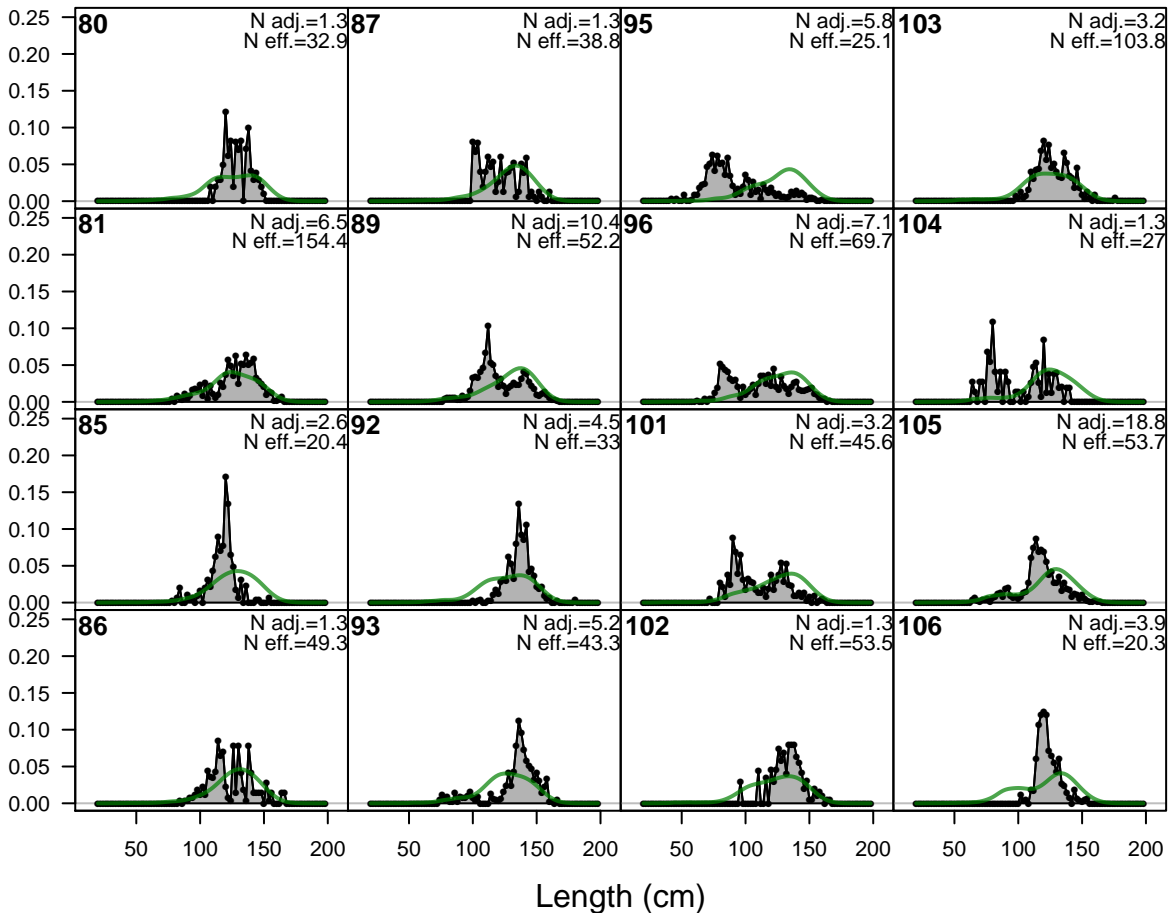
Proportion



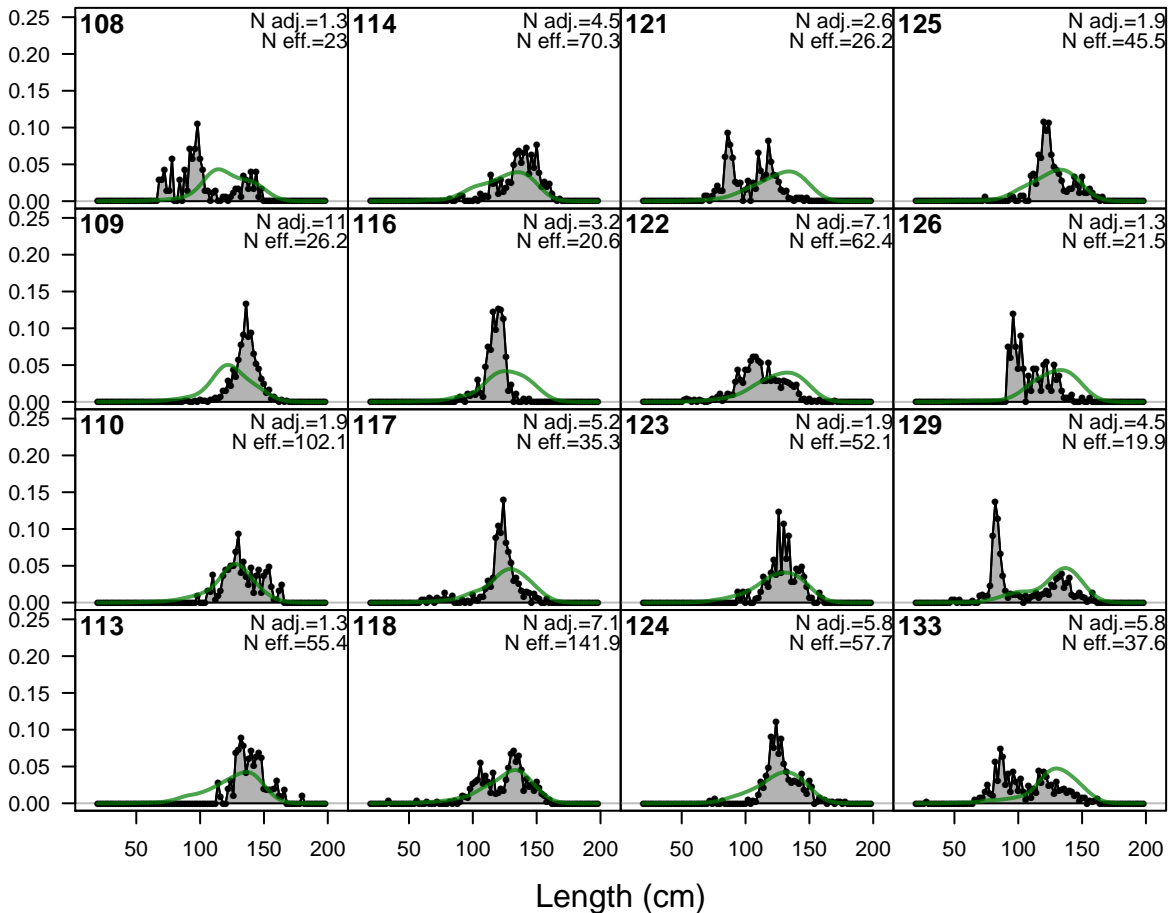
Proportion



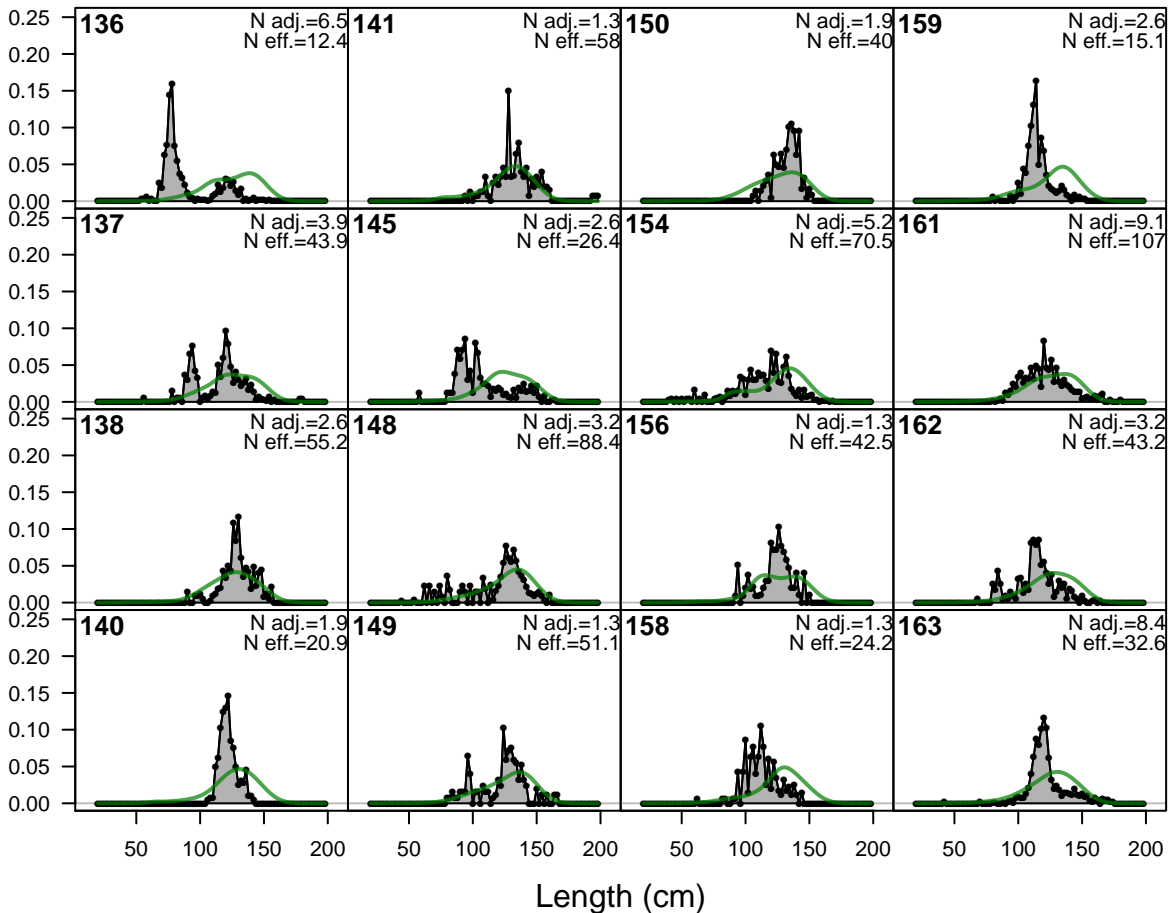
Proportion



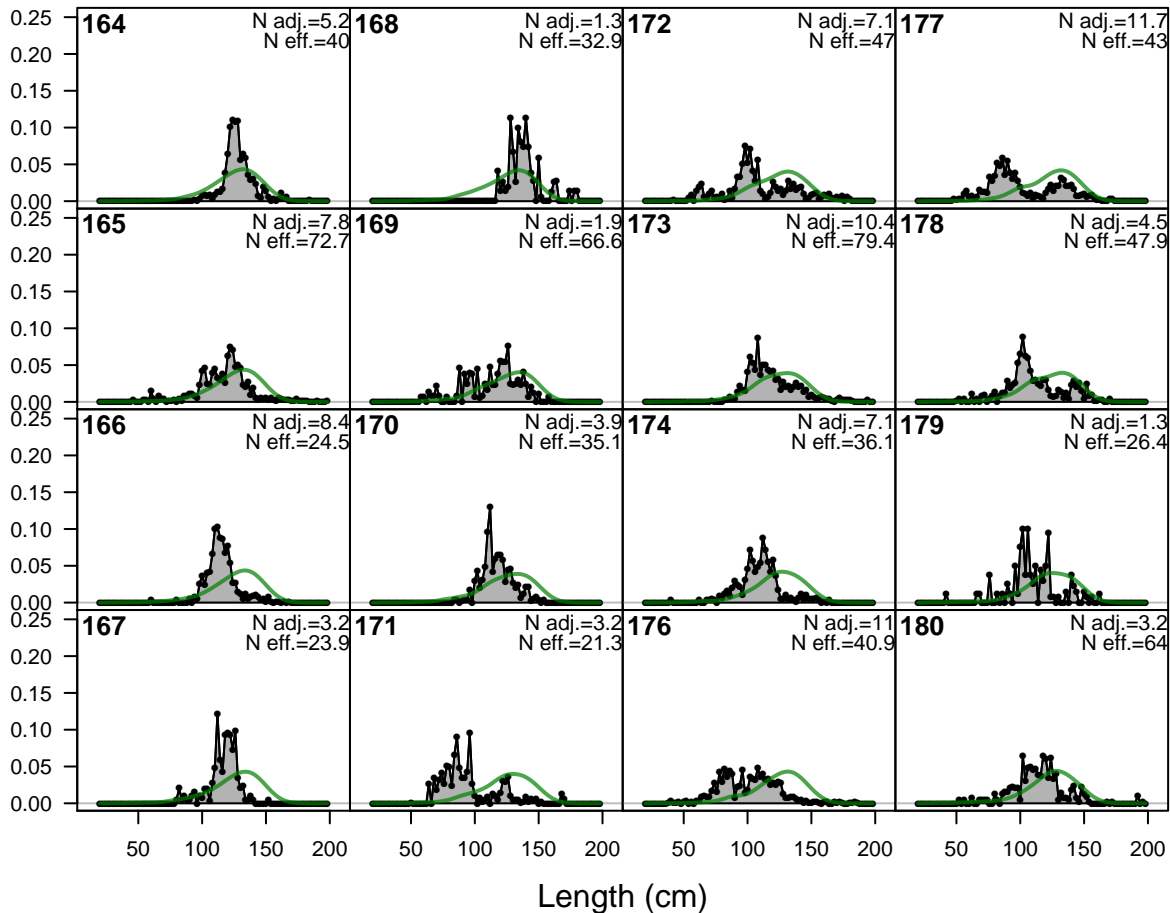
Proportion

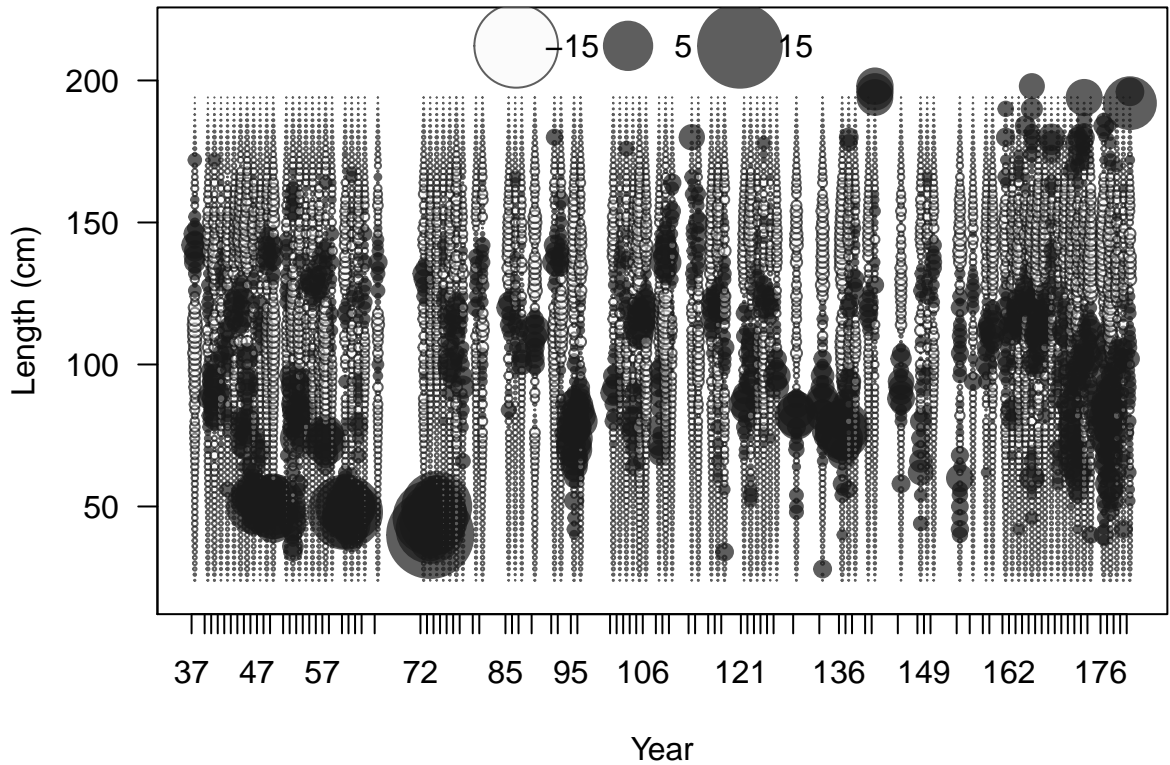


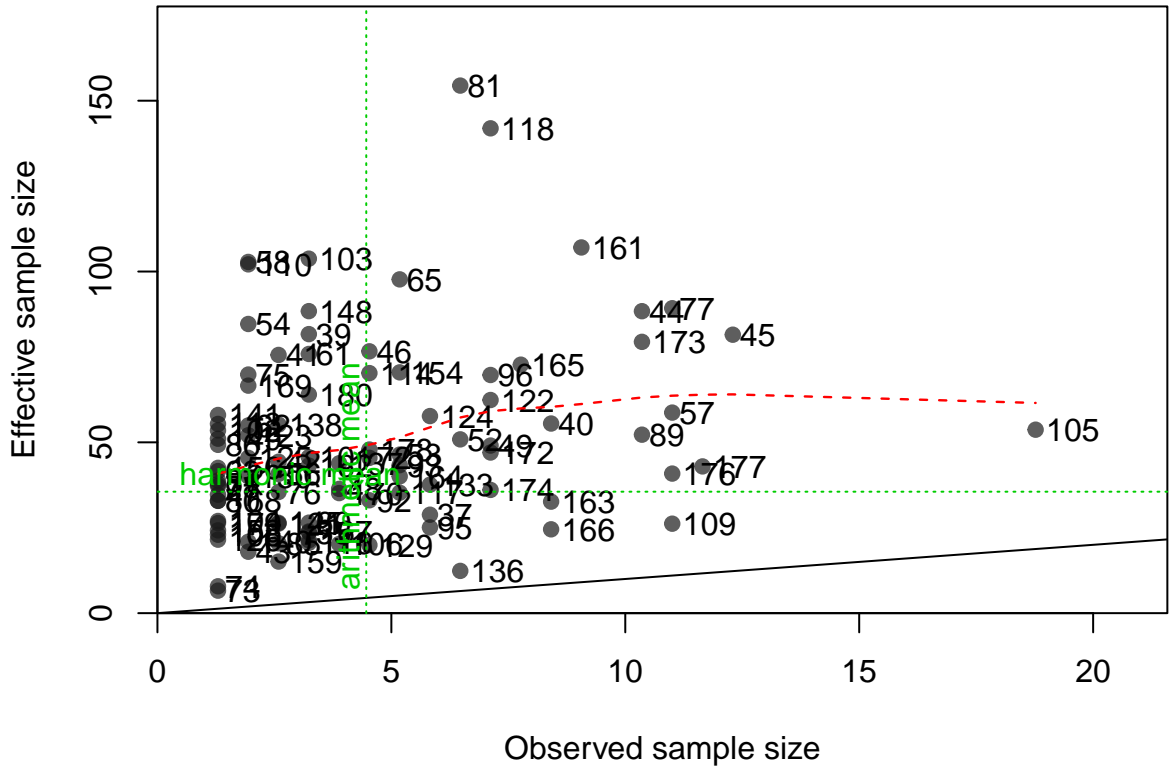
Proportion



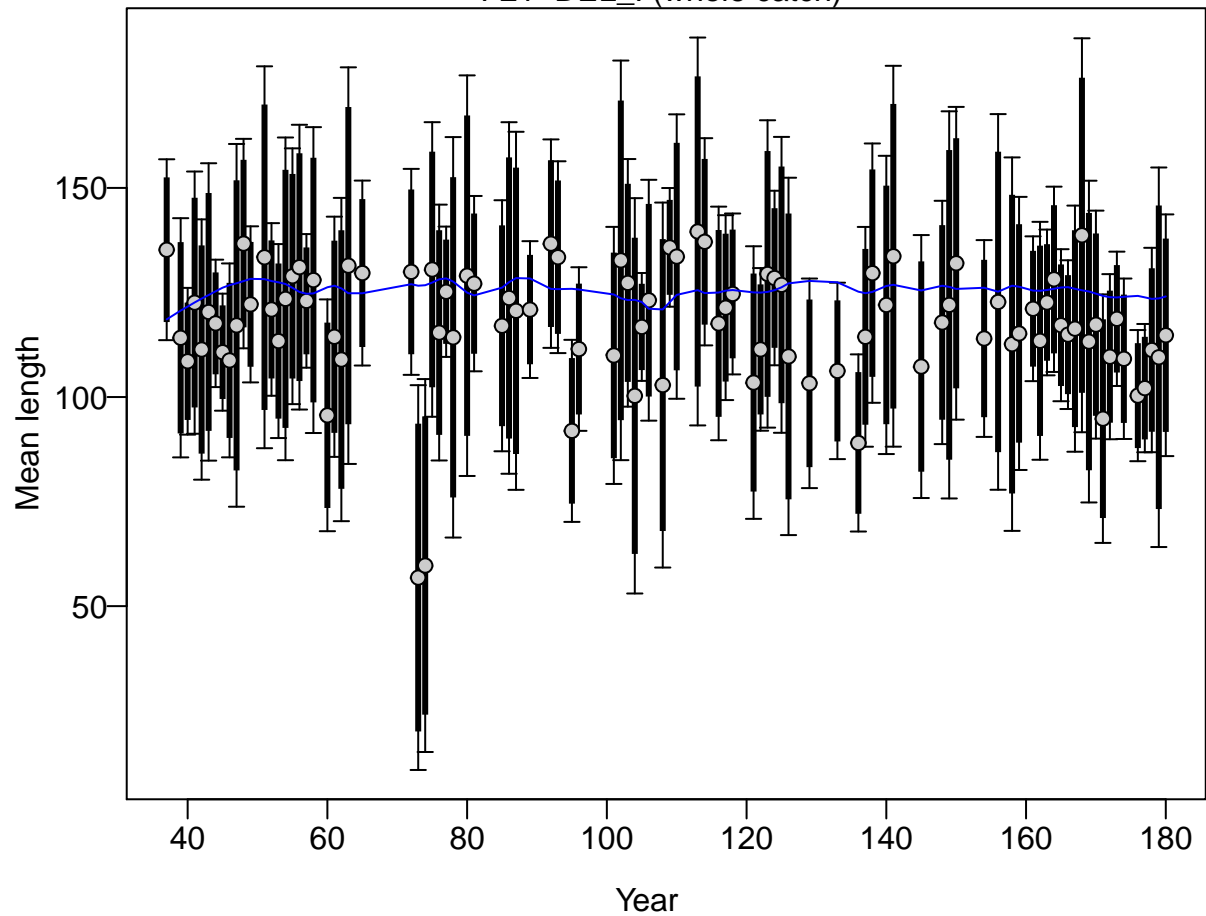
Proportion



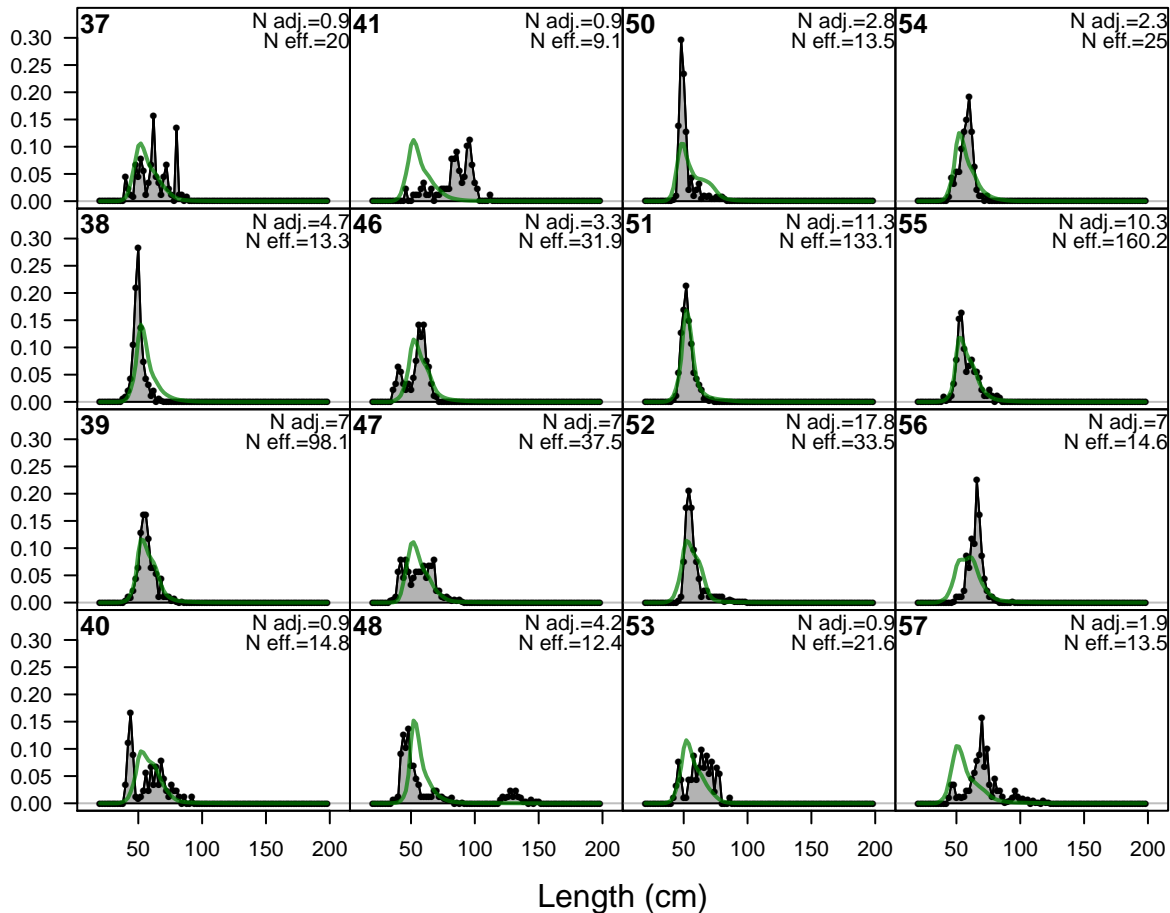




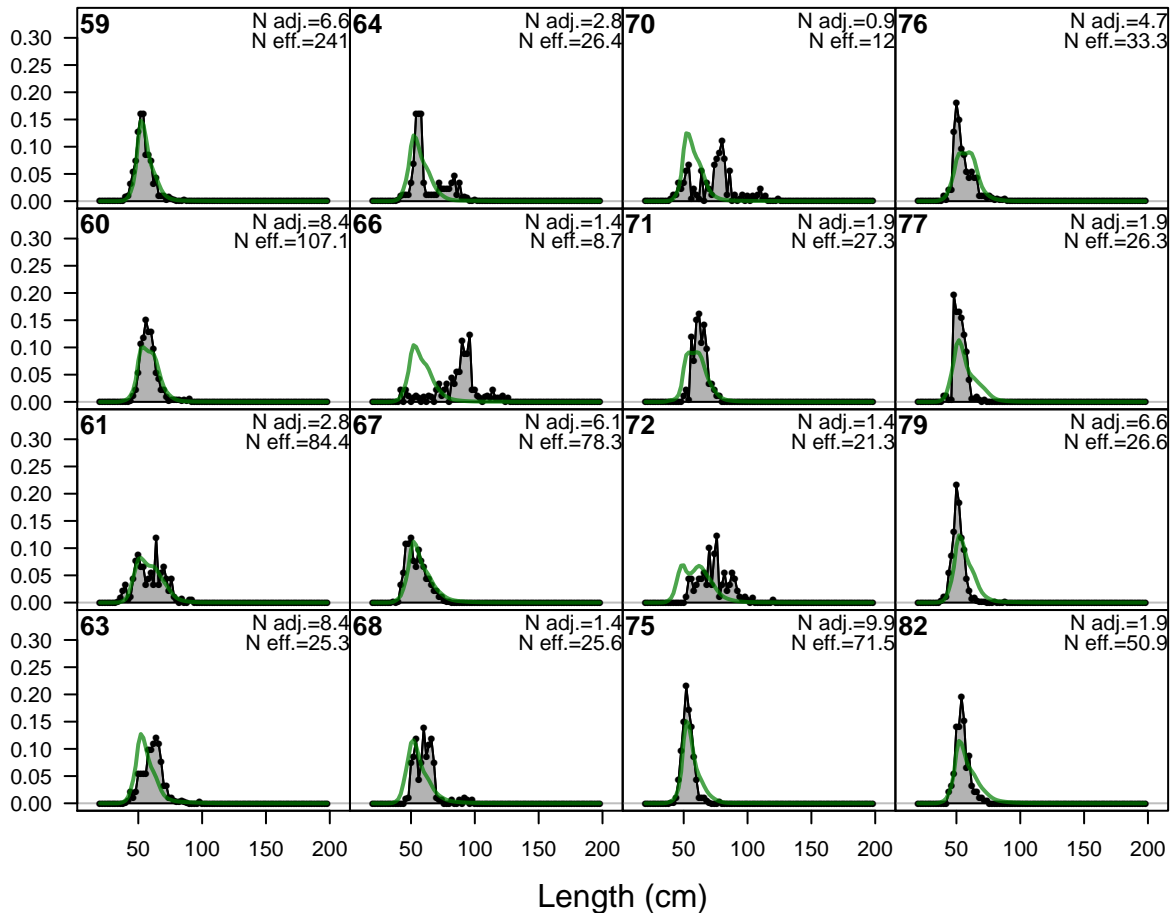
F21-DEL_I (whole catch)



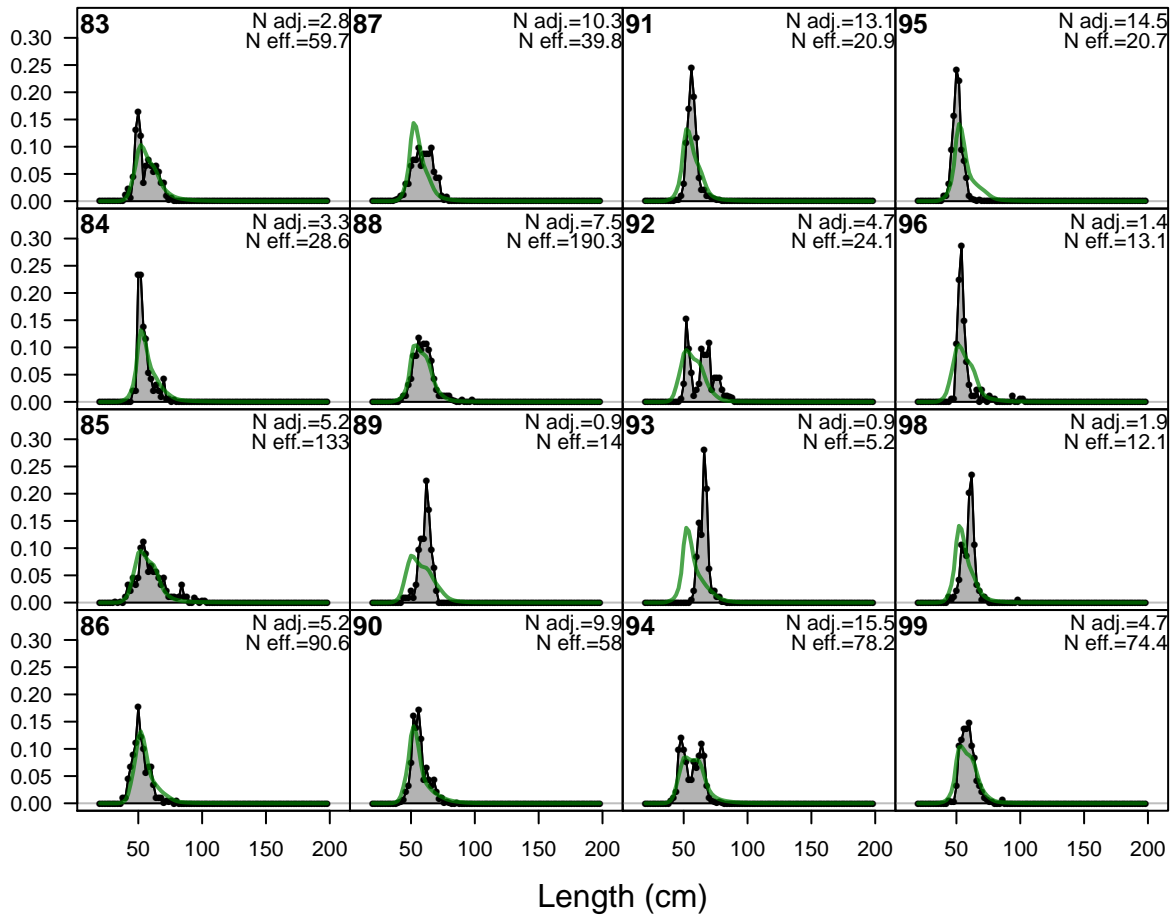
Proportion

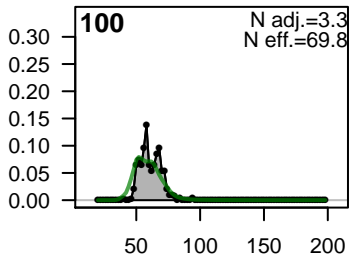


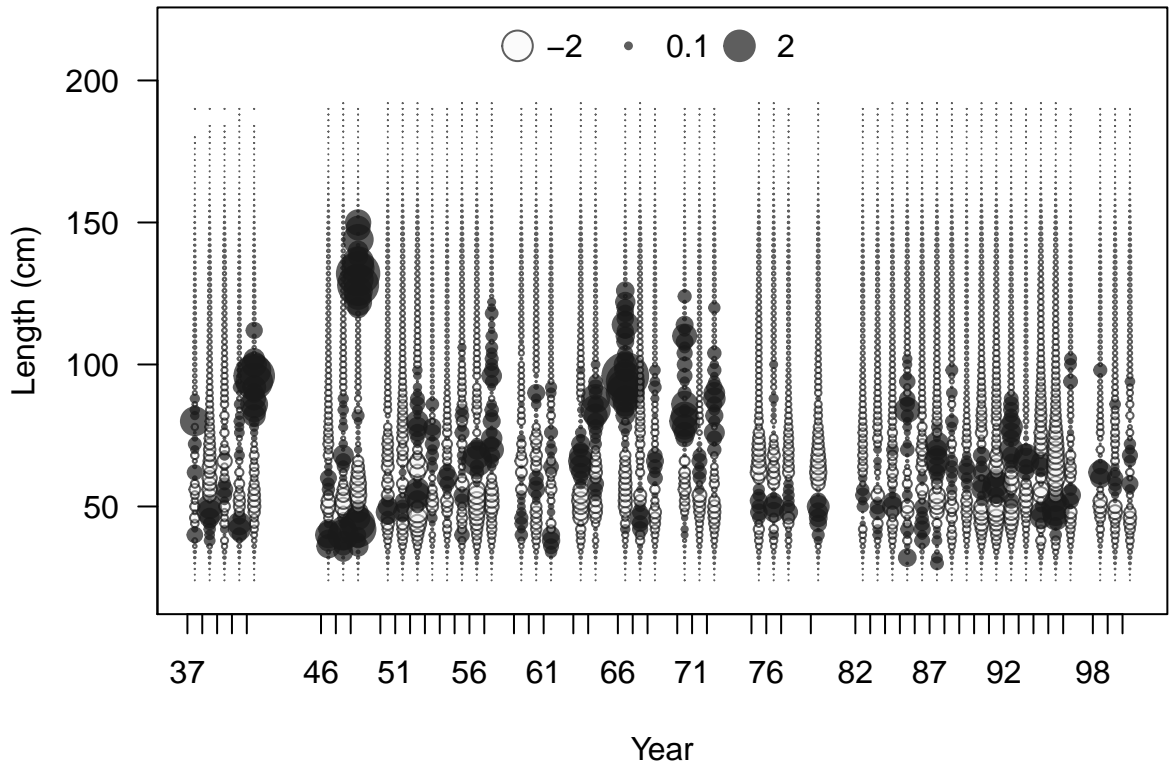
Proportion

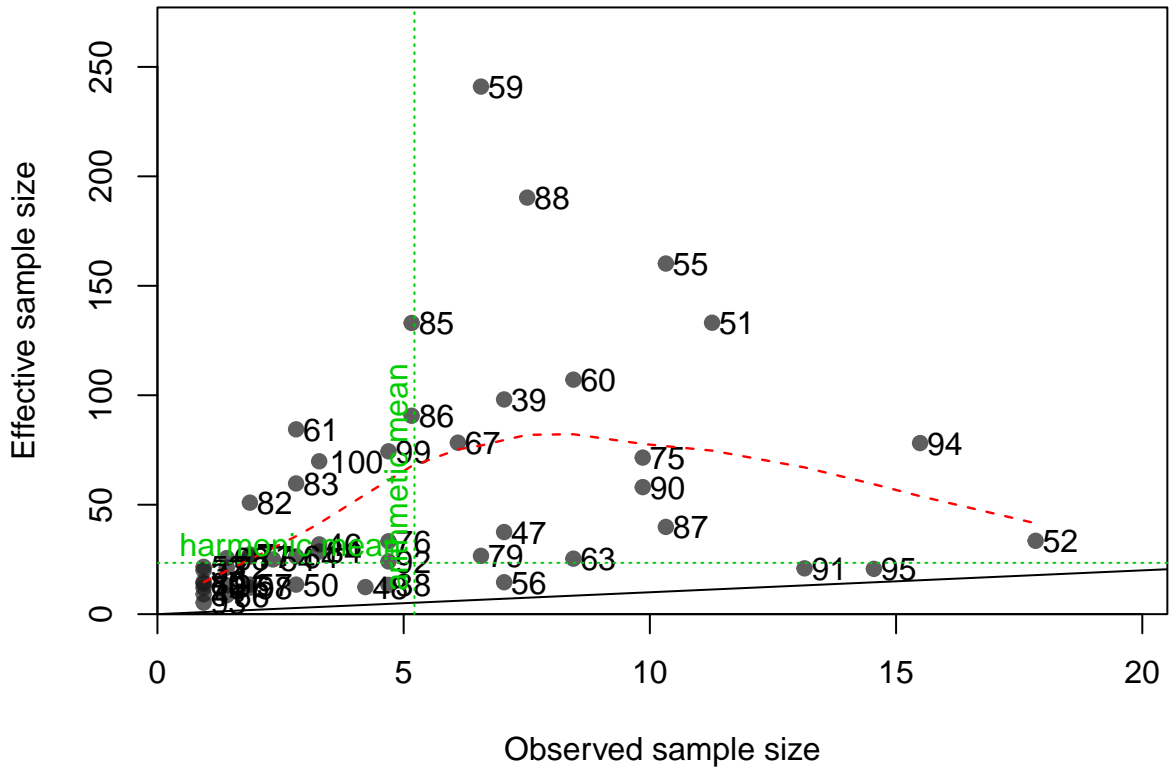


Proportion

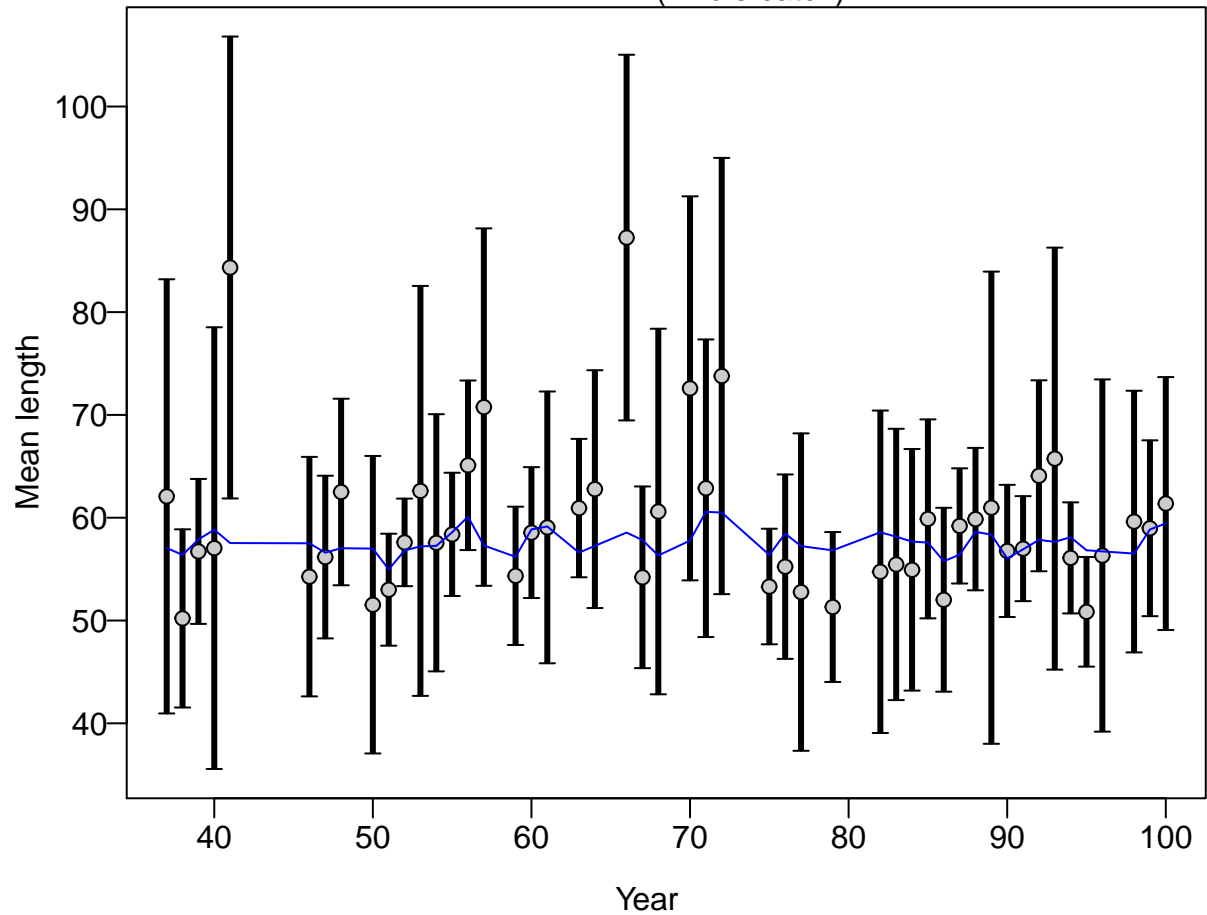




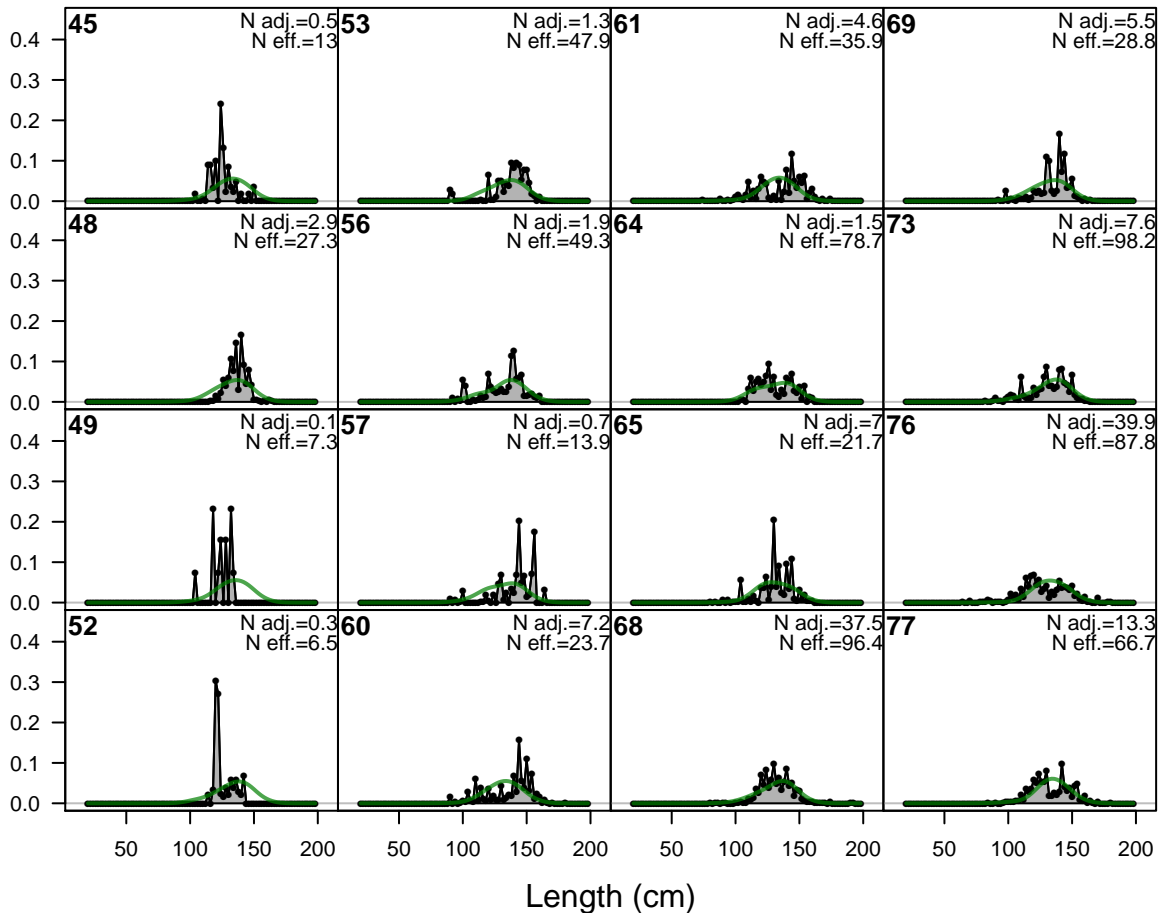




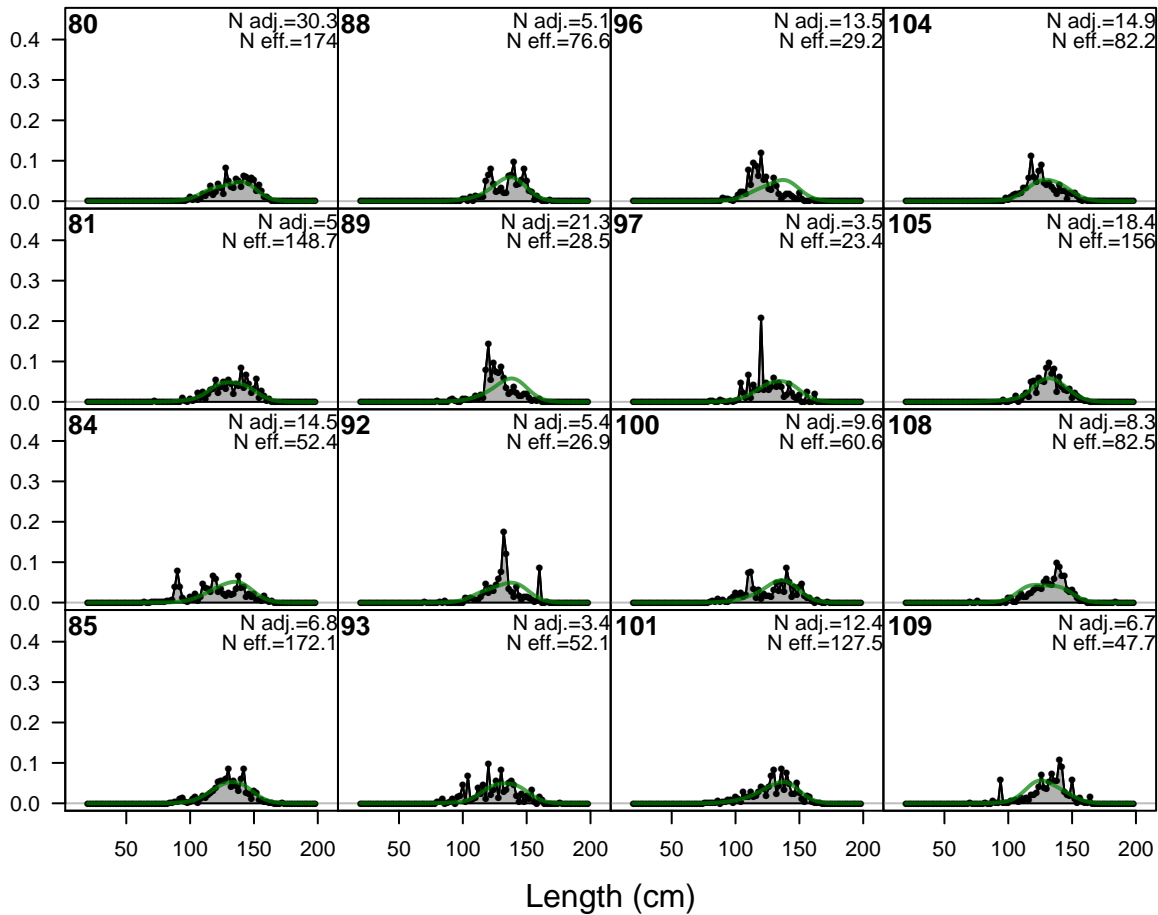
F22-BB (whole catch)



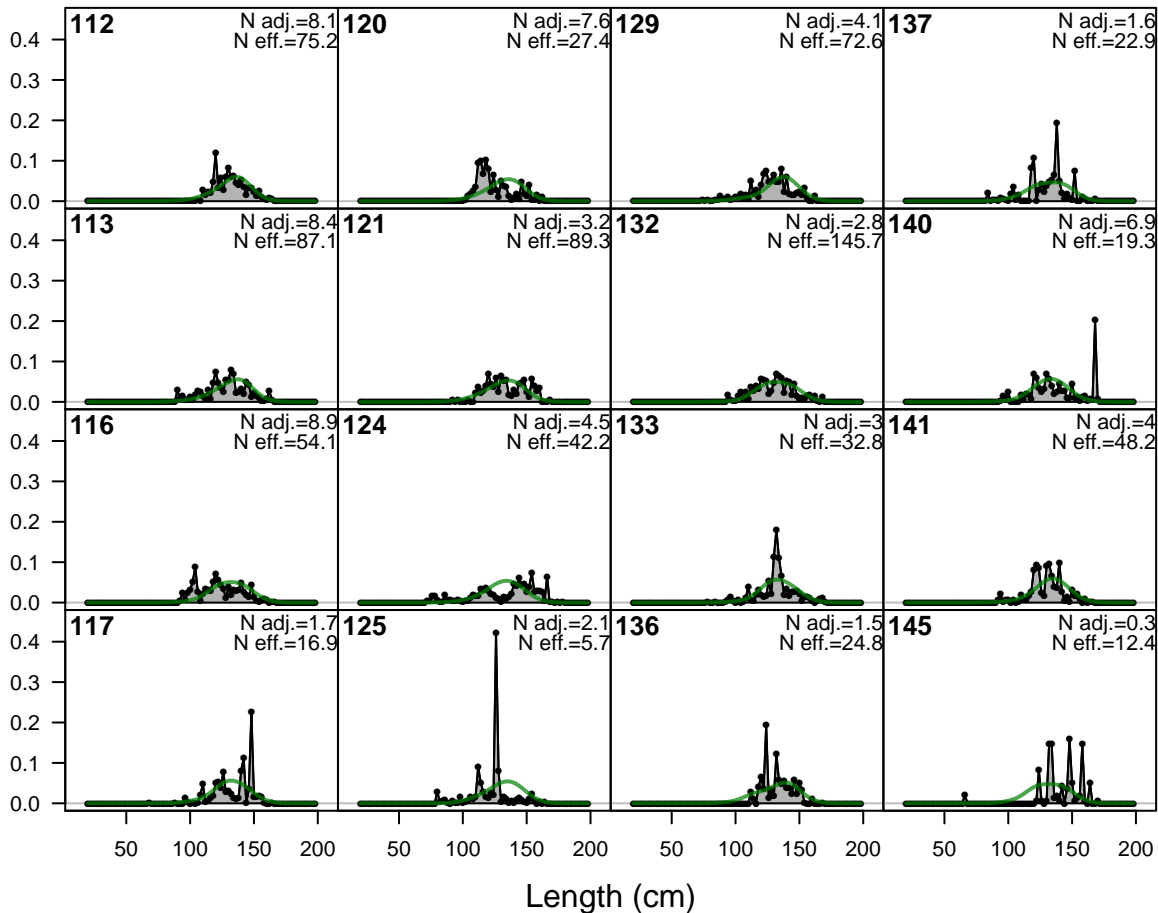
Proportion



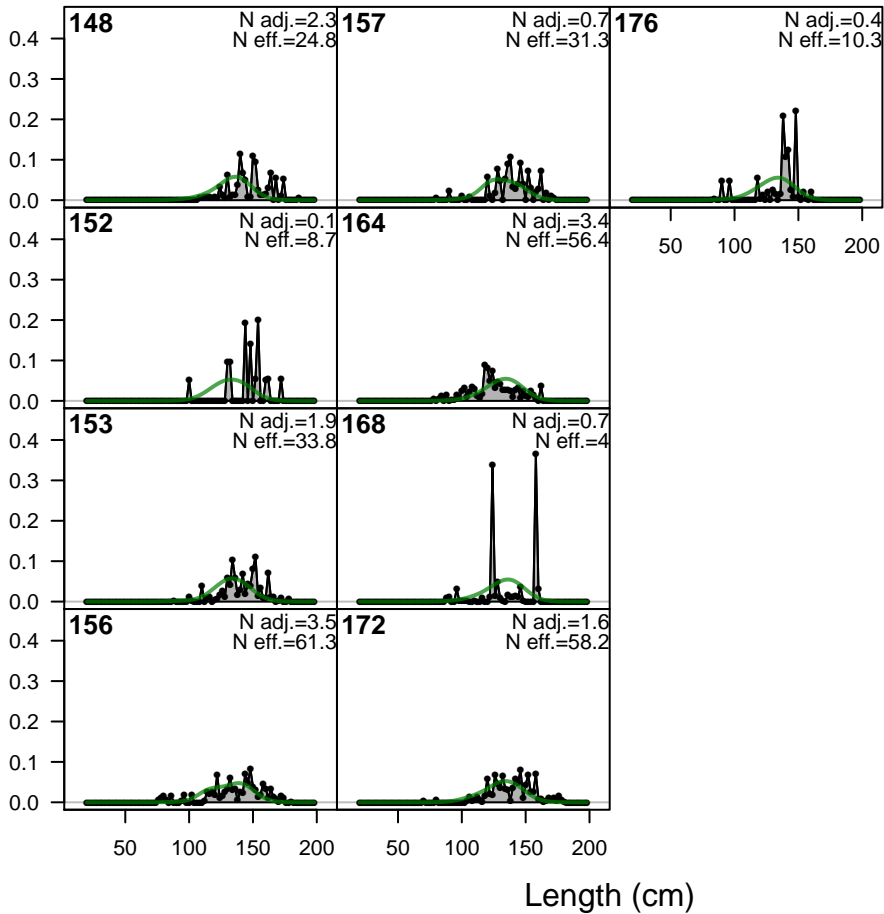
Proportion

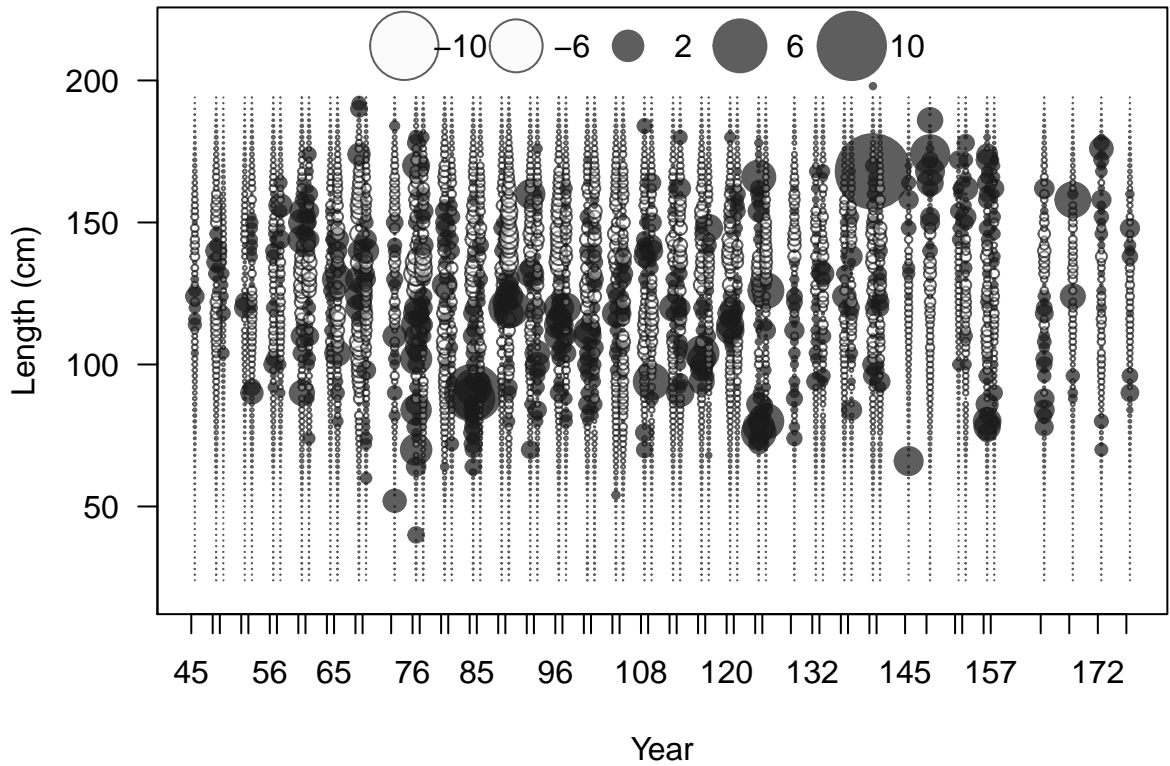


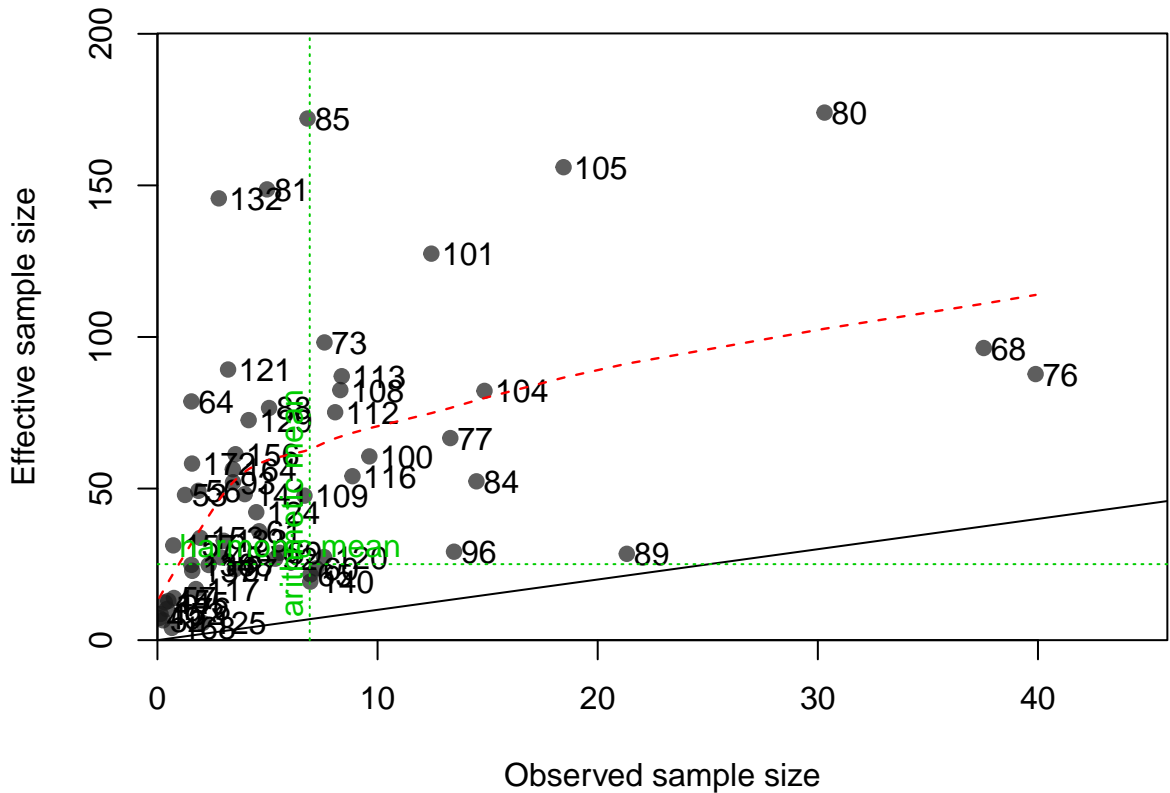
Proportion



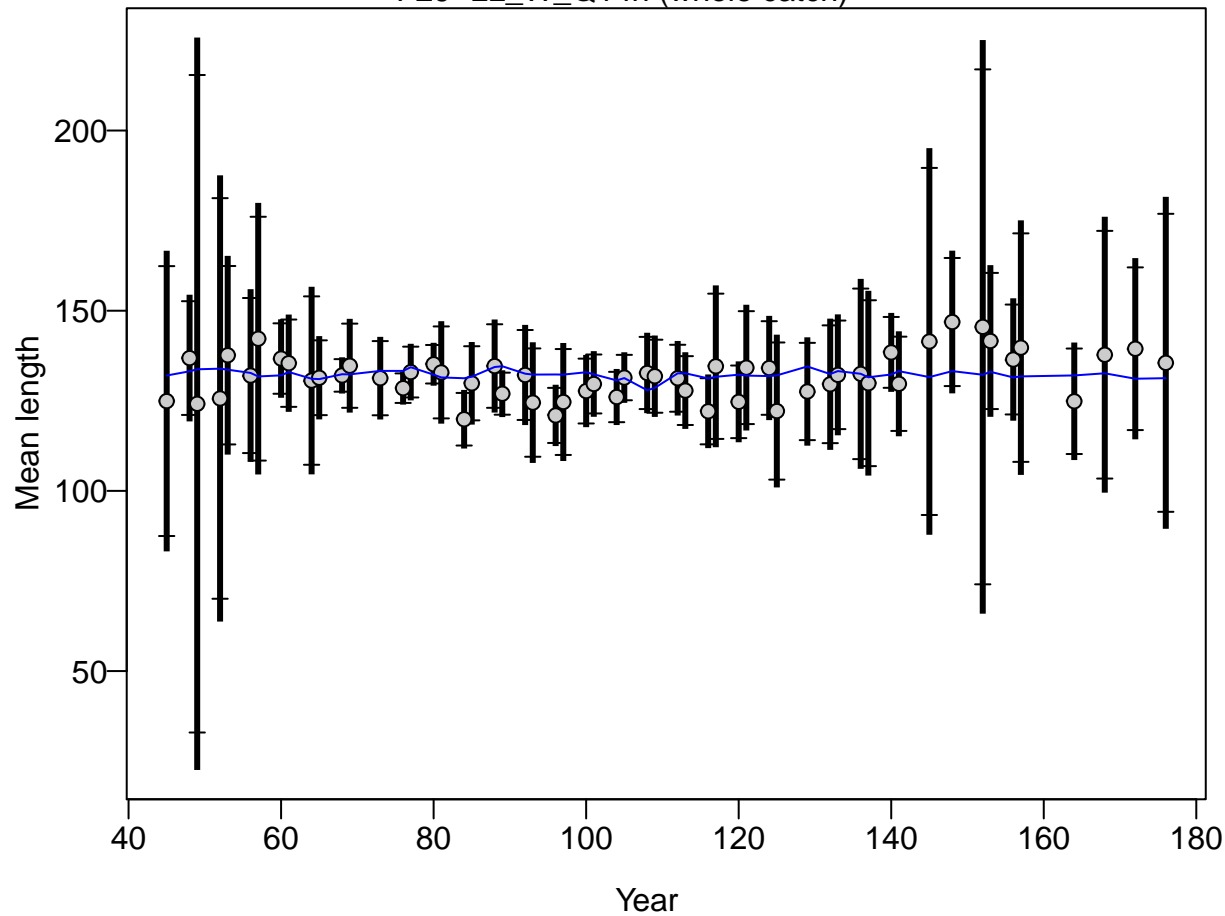
Proportion



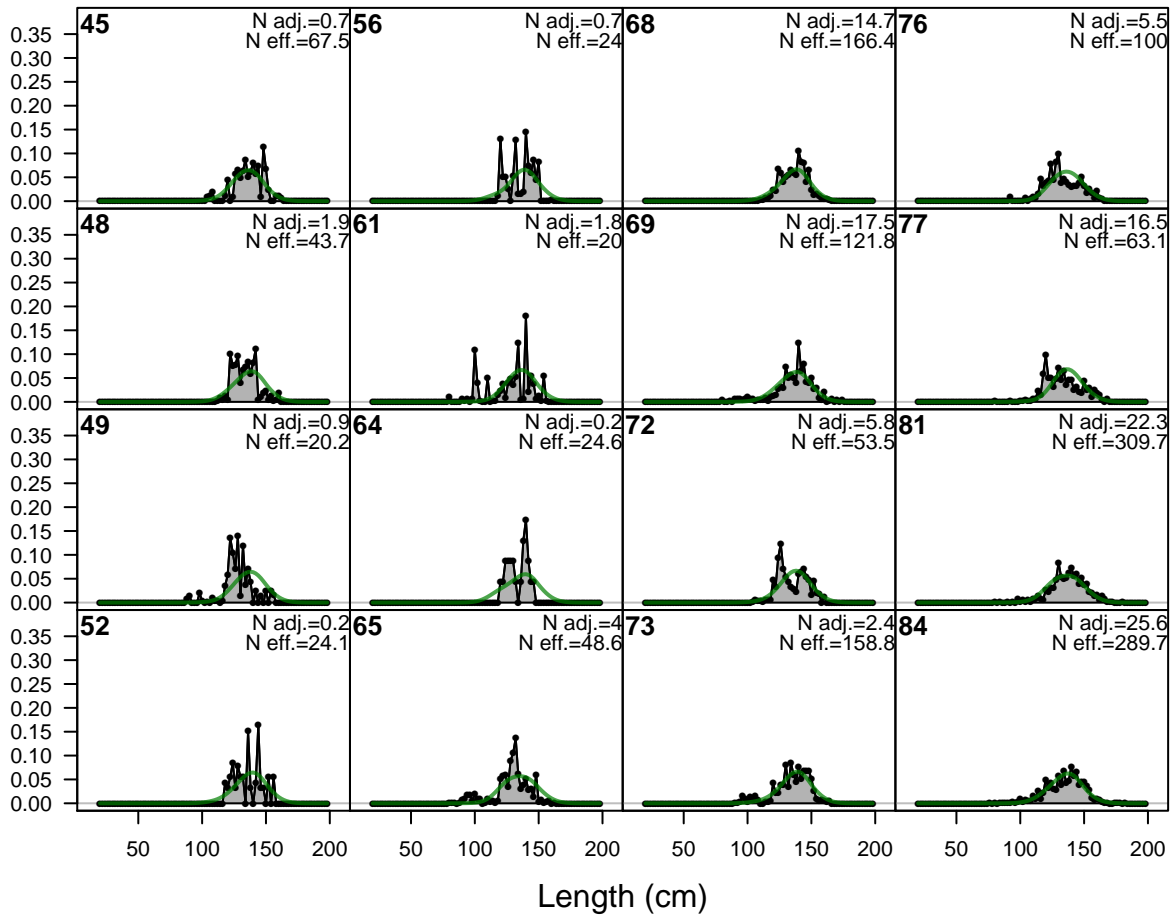




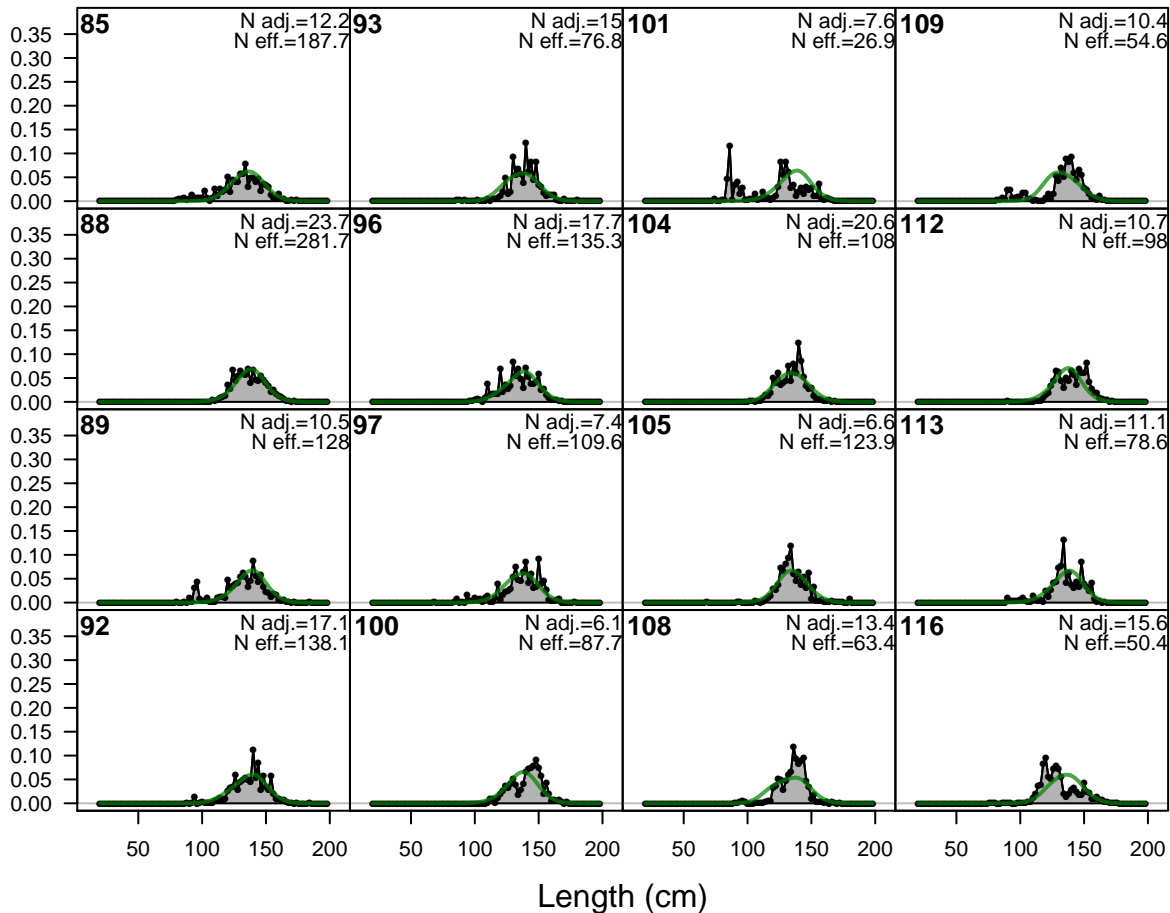
F29-LL_W_Q14n (whole catch)



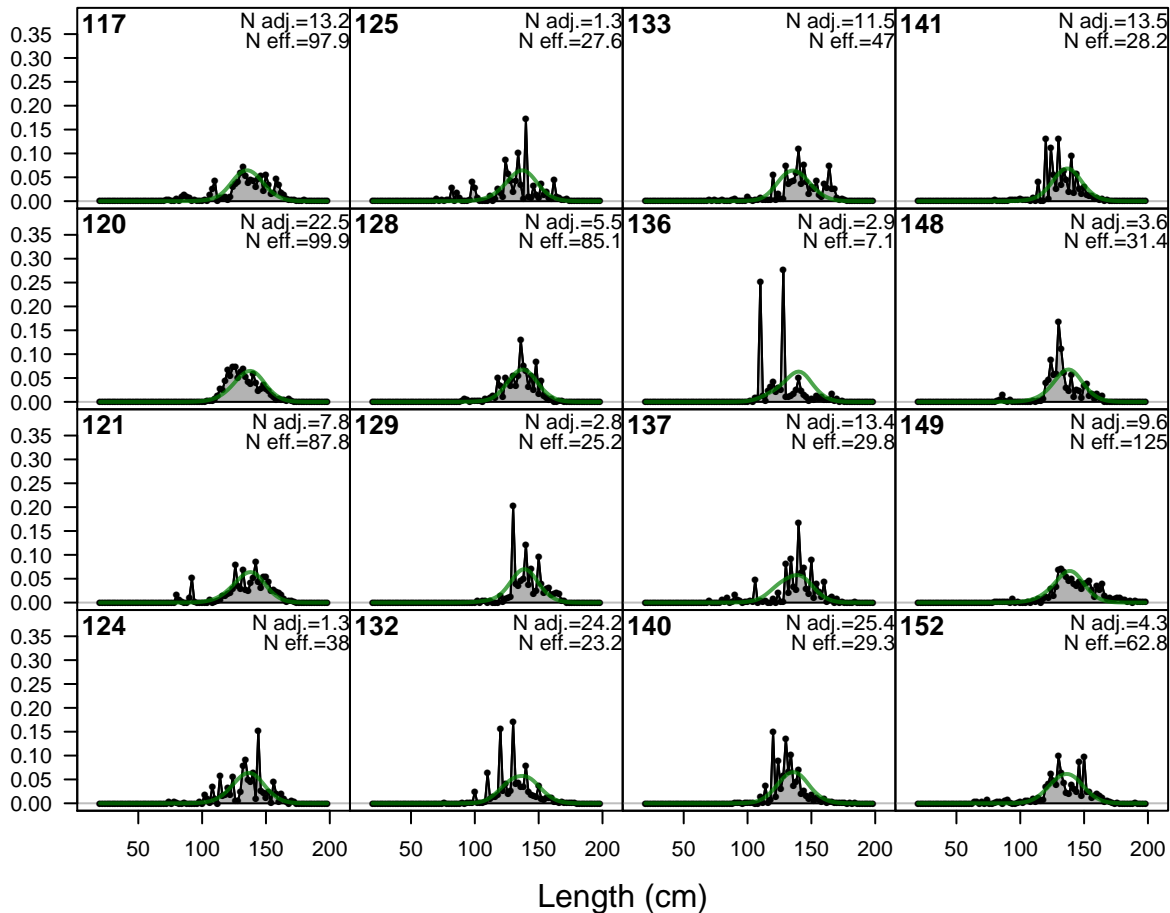
Proportion



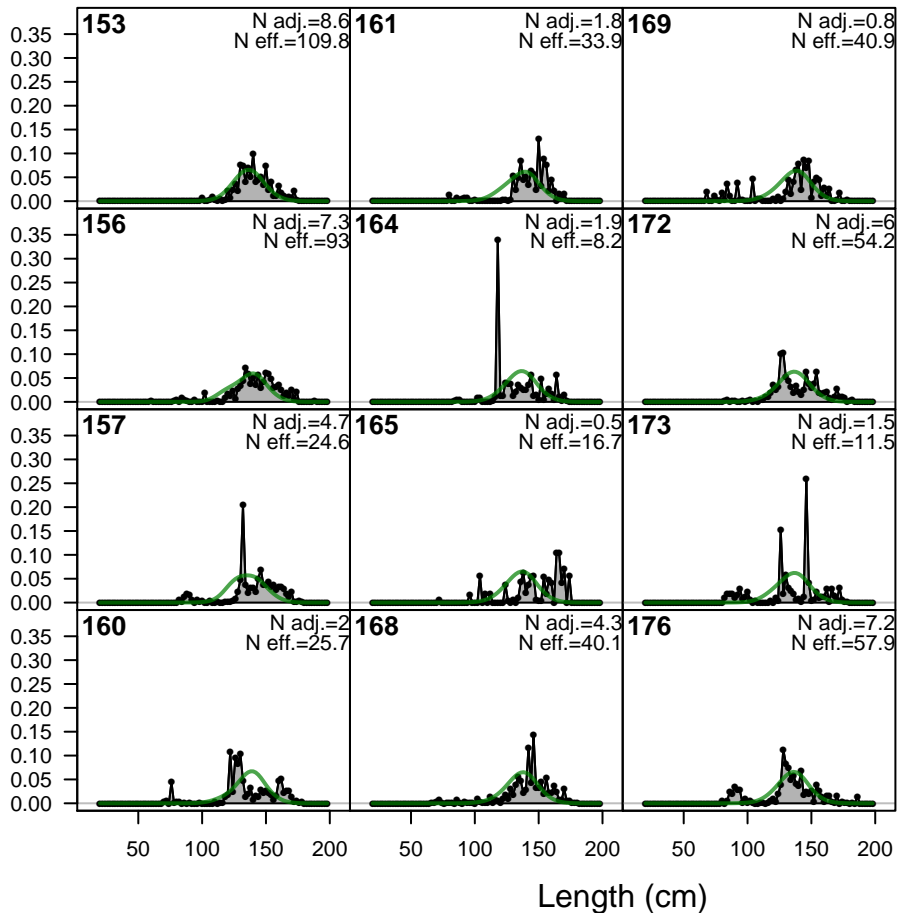
Proportion

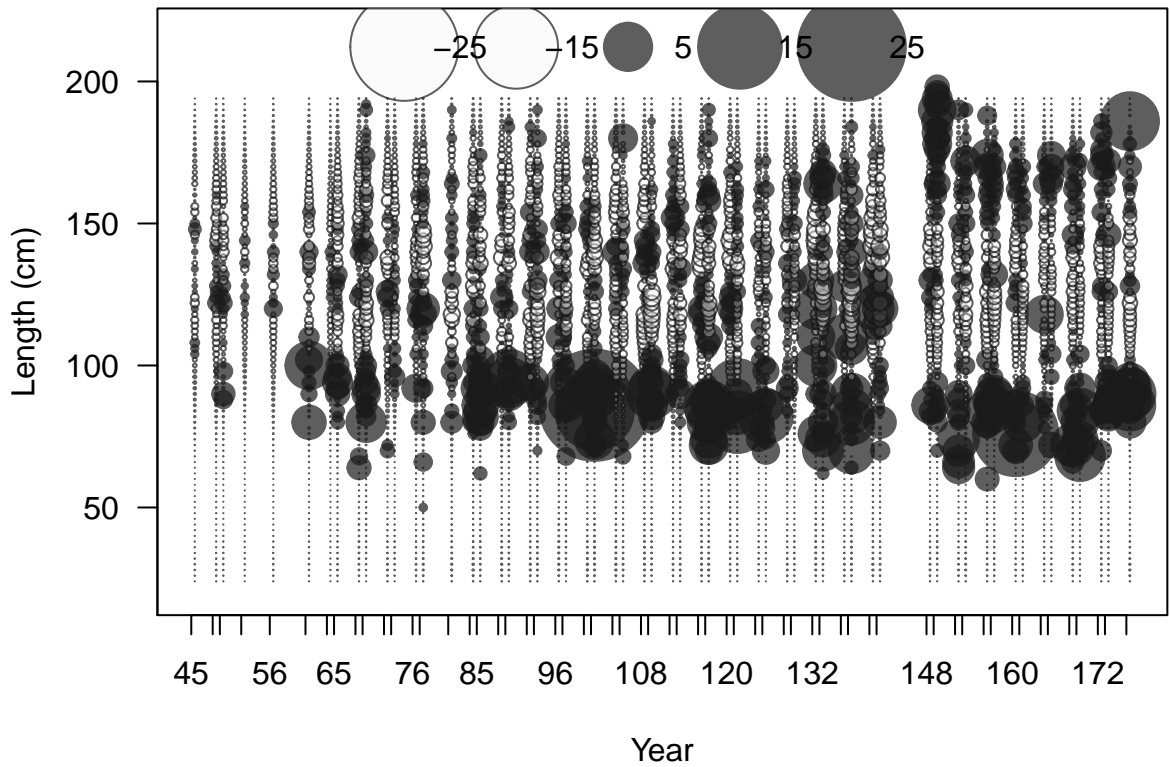


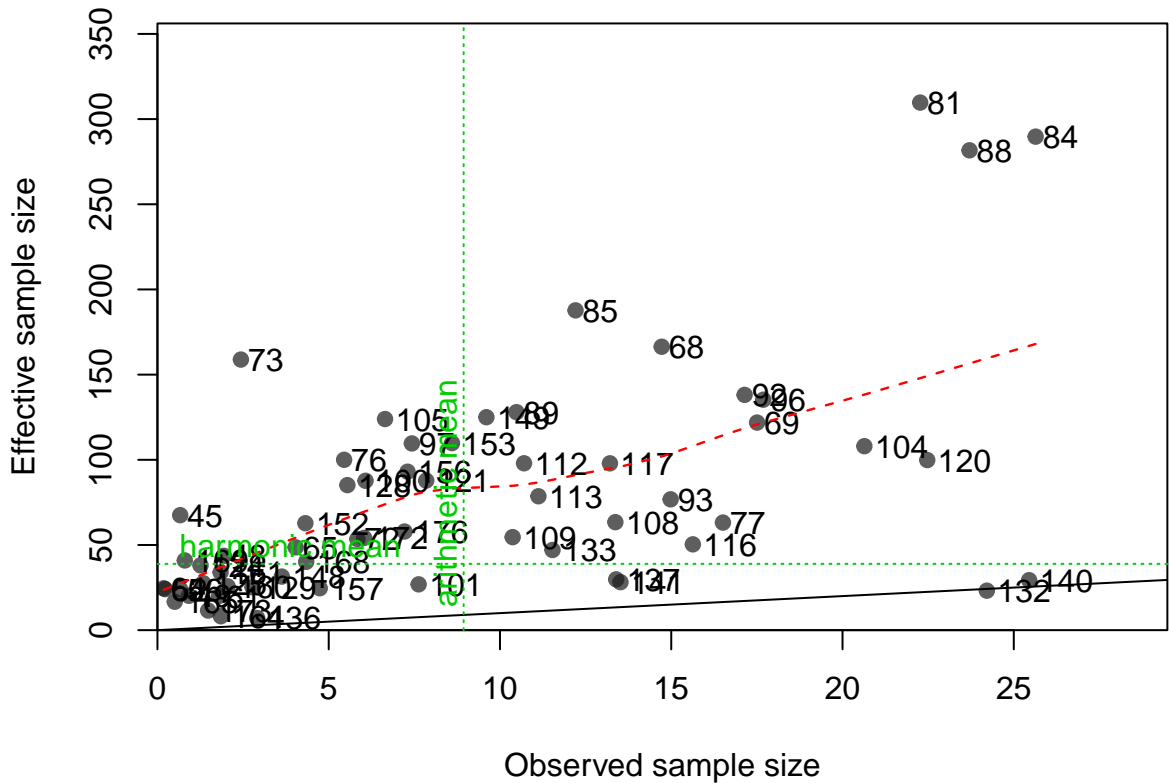
Proportion



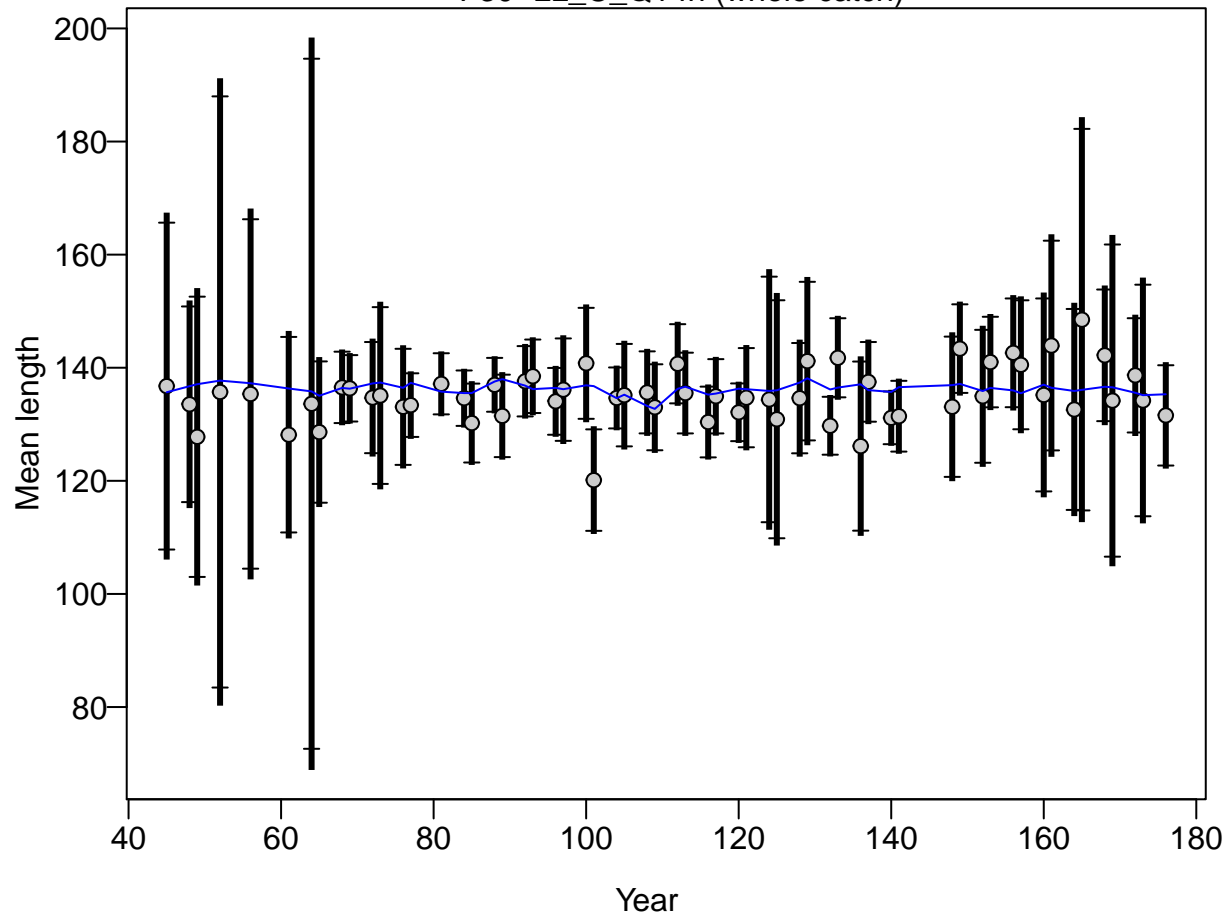
Proportion



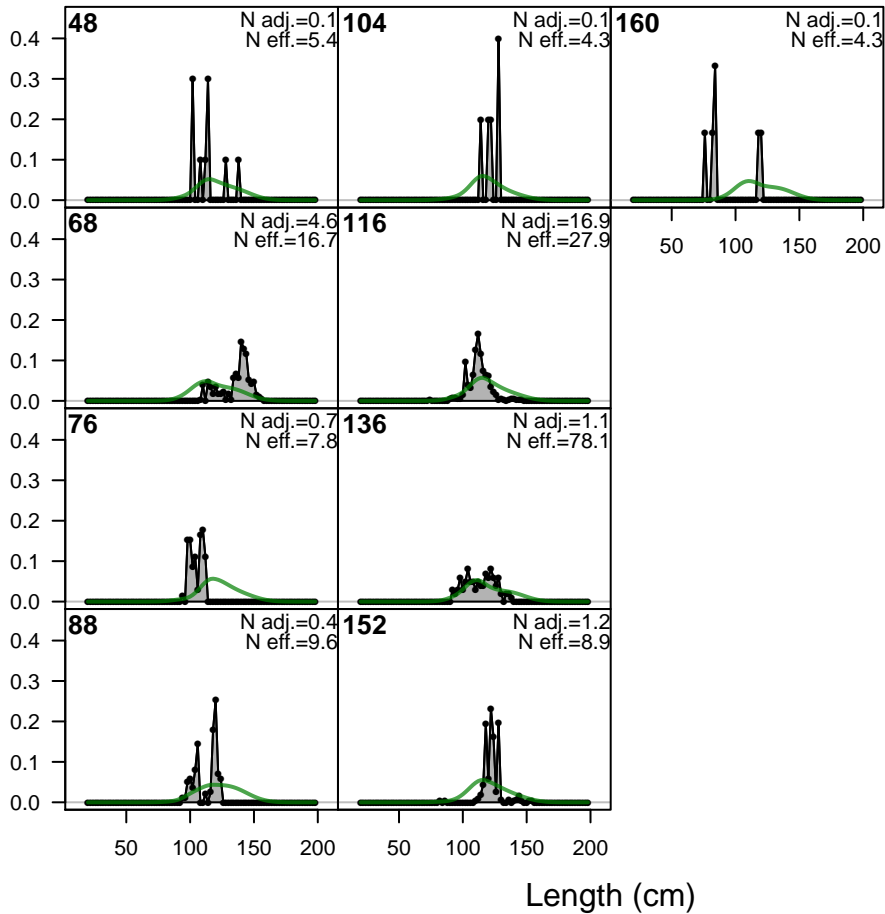


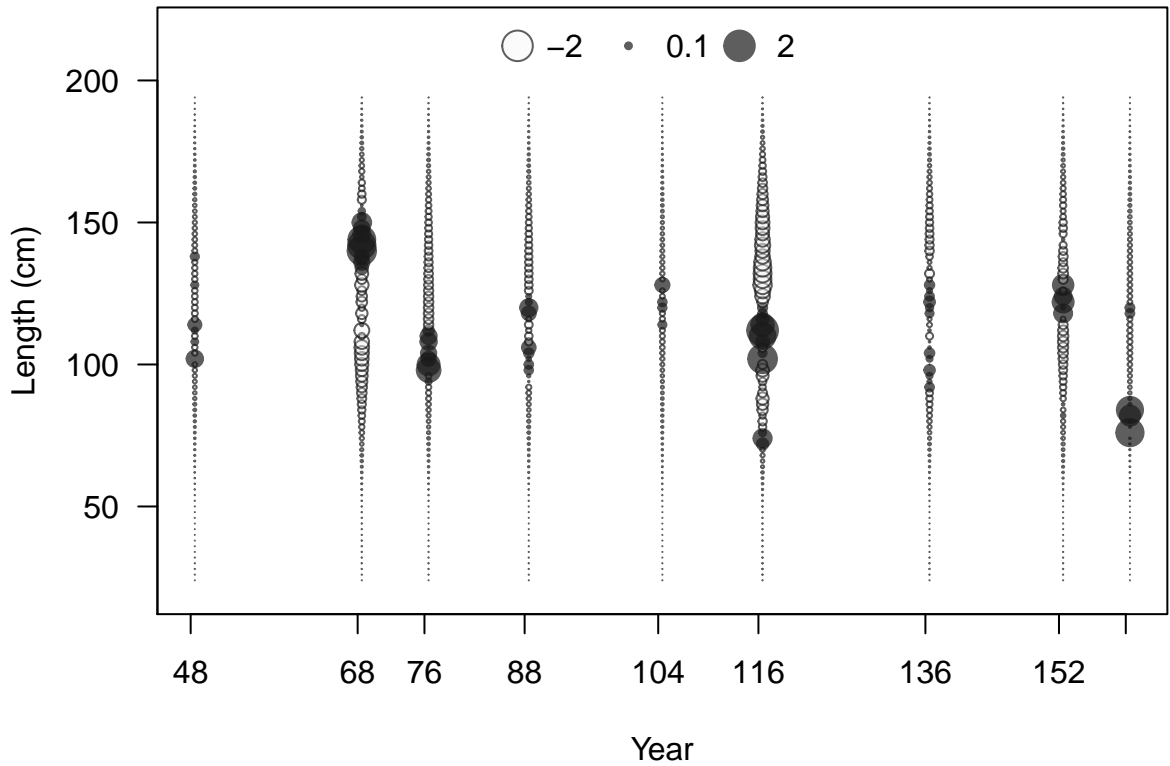


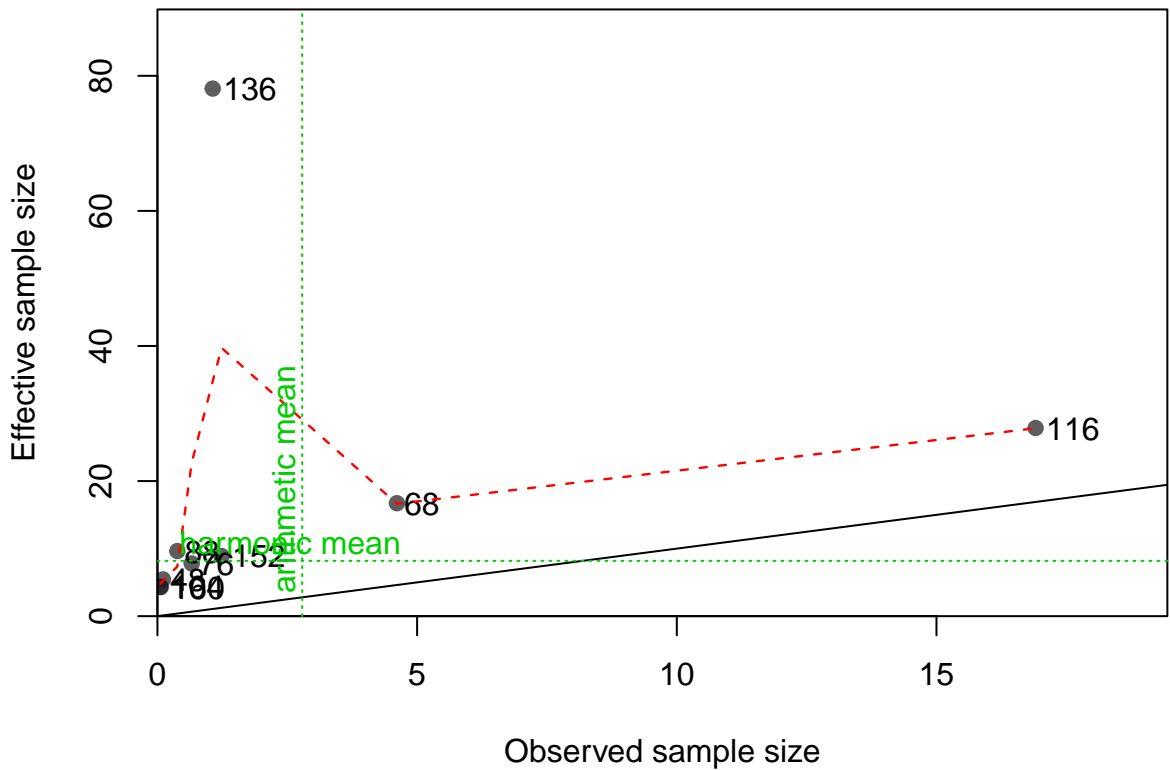
F30-LL_C_Q14n (whole catch)



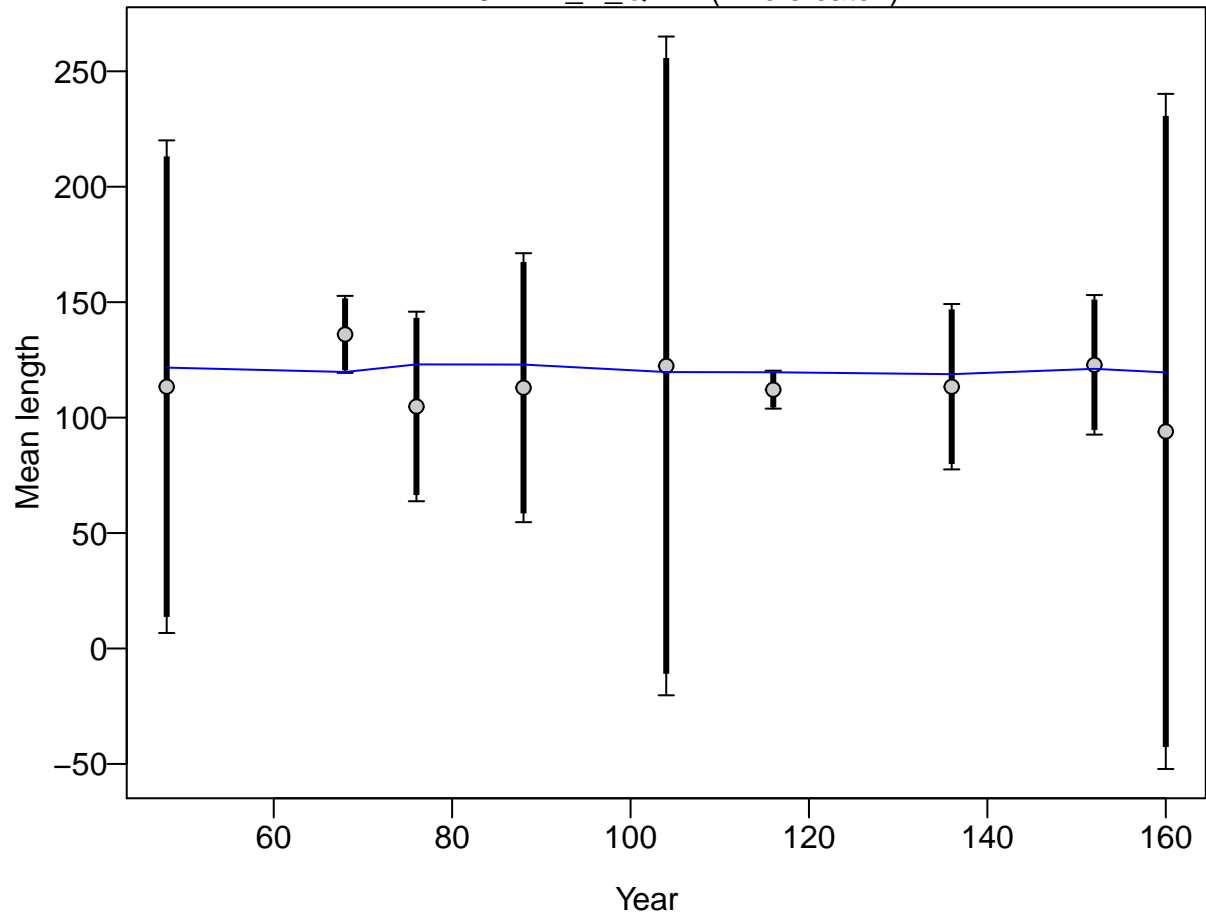
Proportion



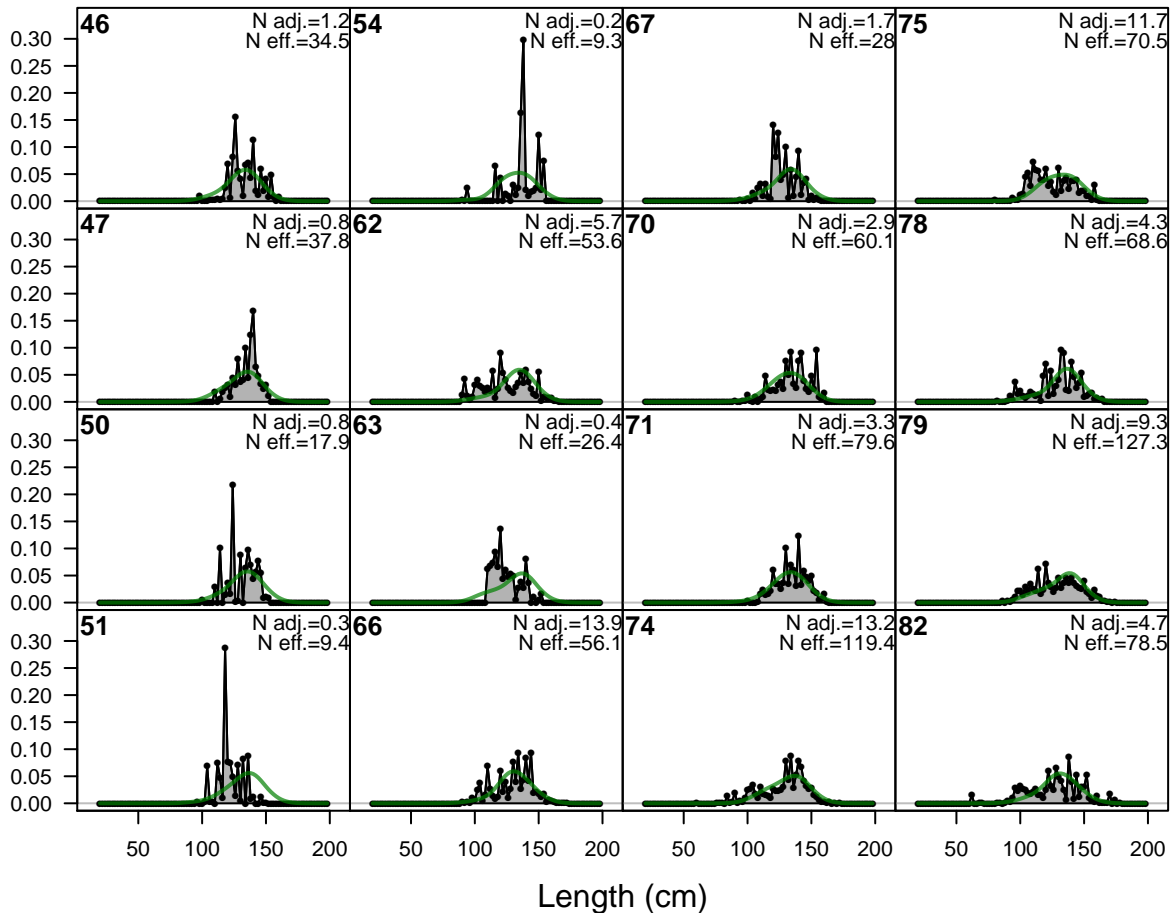




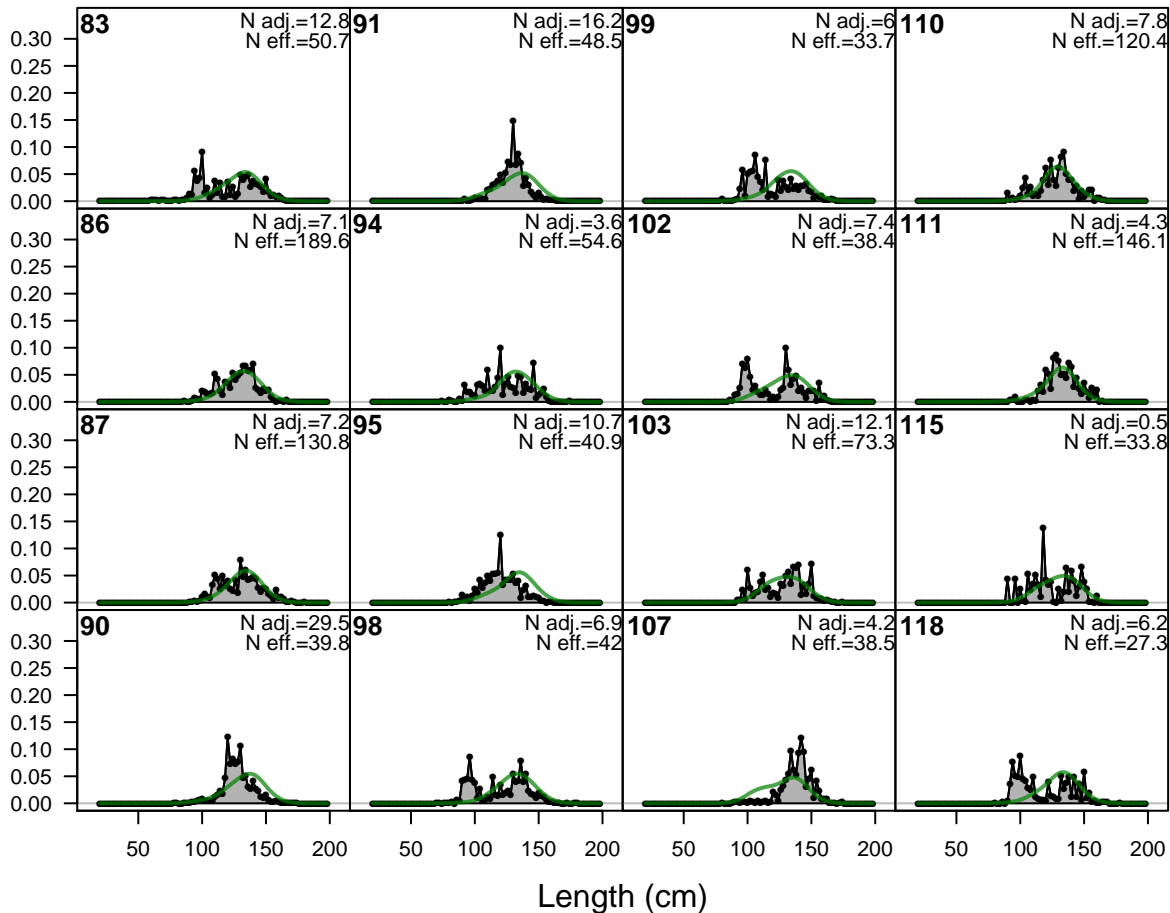
F31-LL_E_Q14n (whole catch)



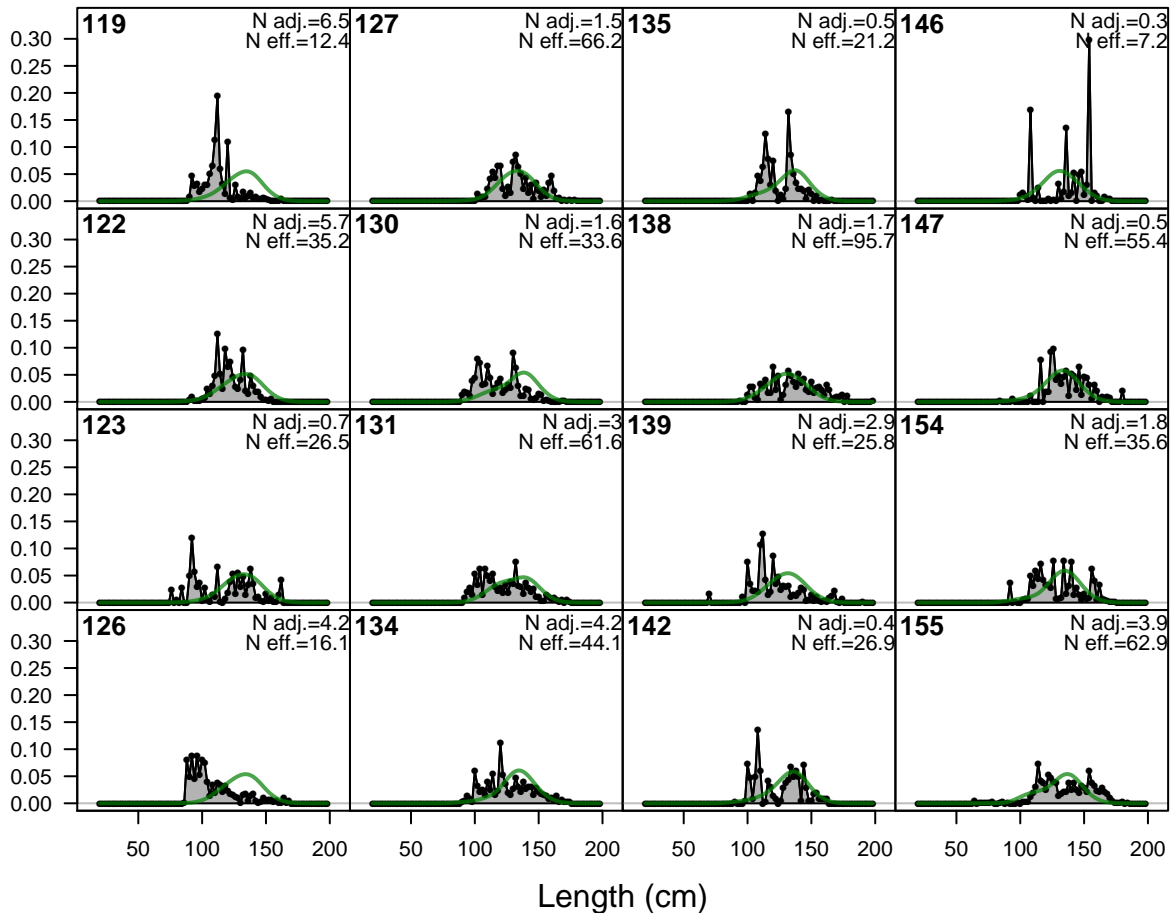
Proportion



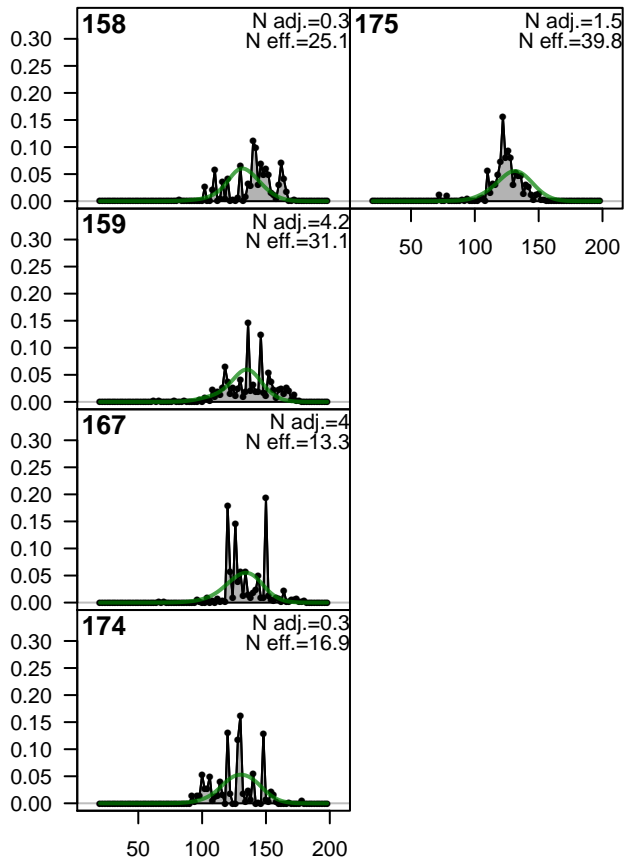
Proportion



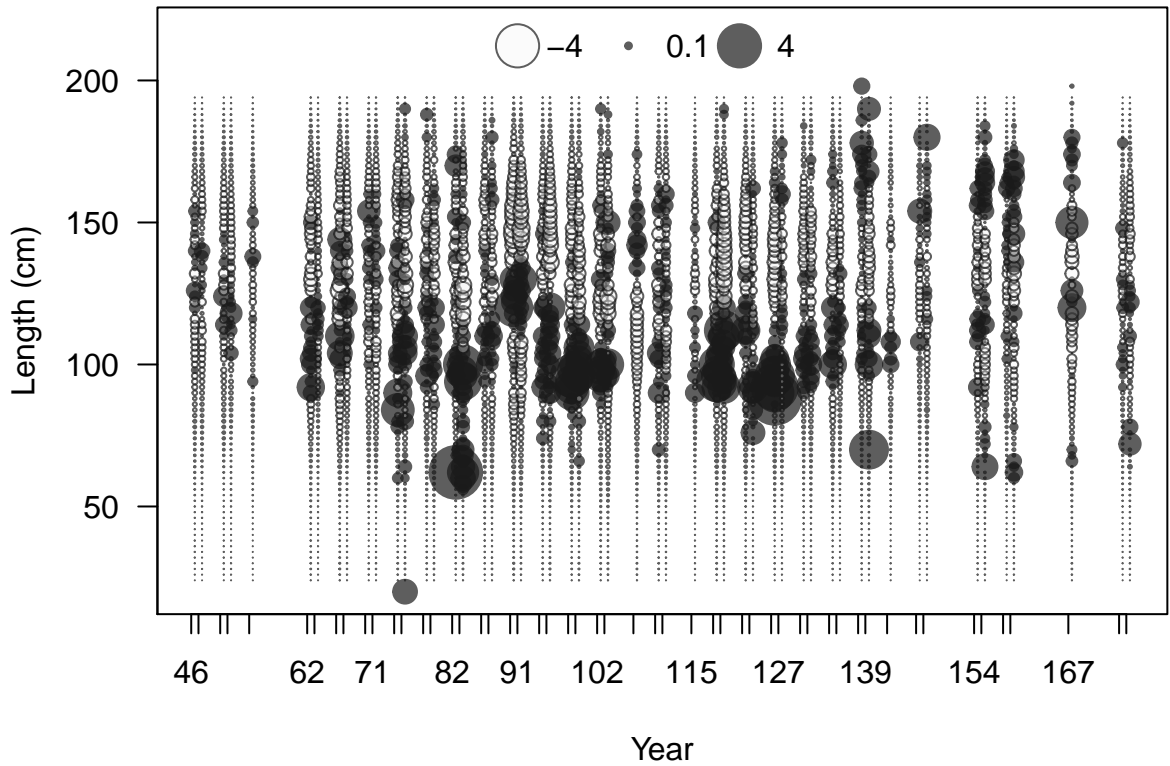
Proportion

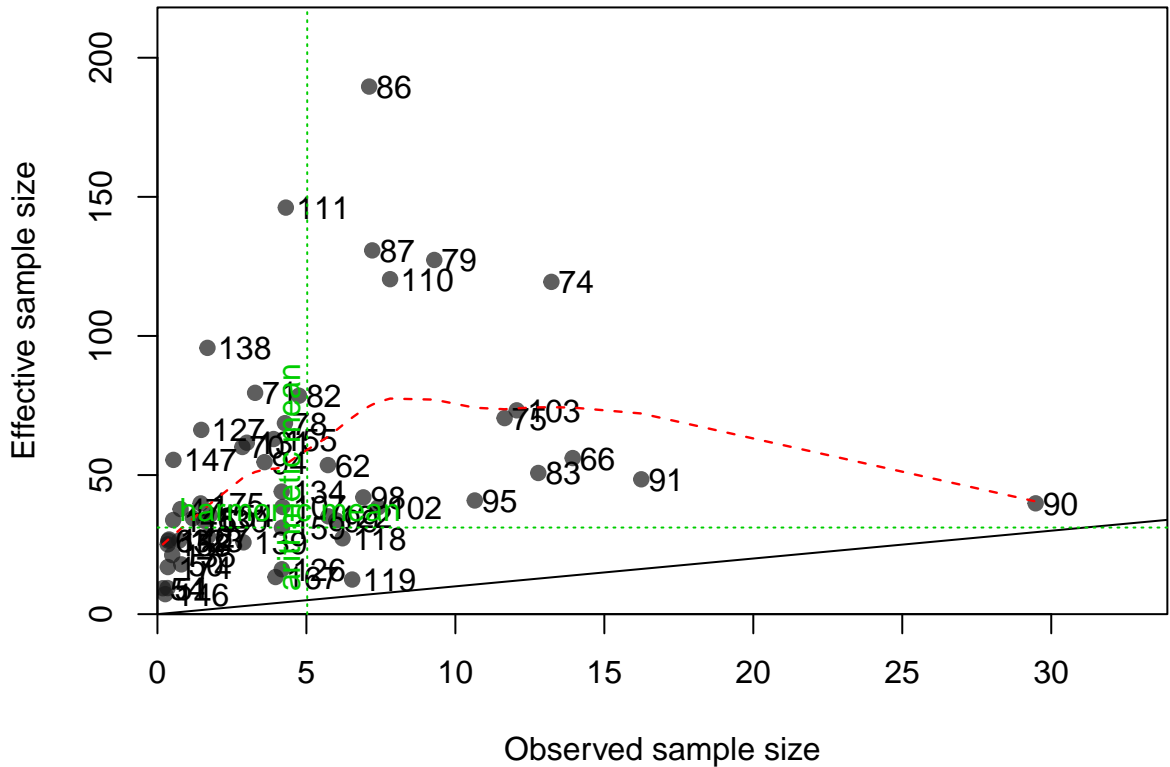


Proportion

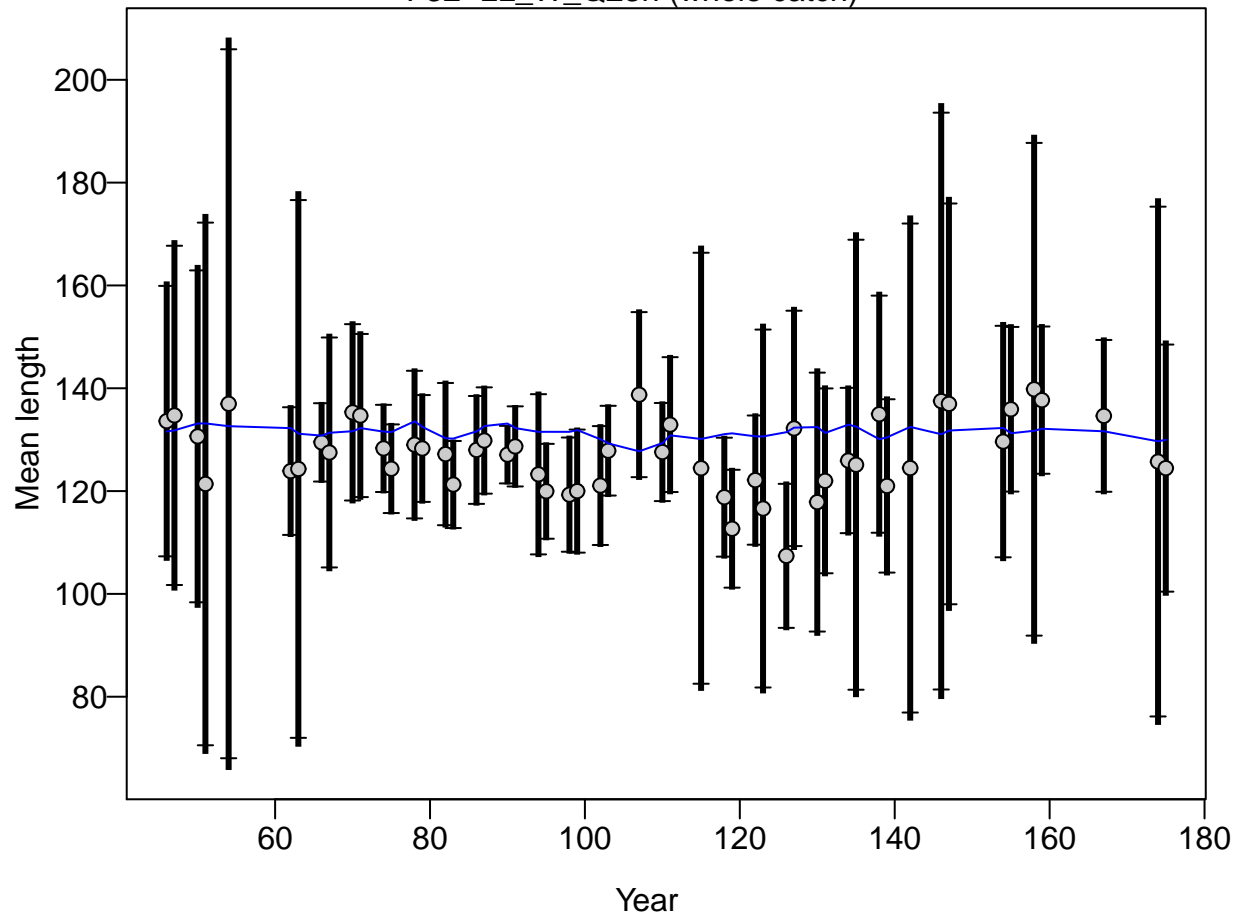


Length (cm)

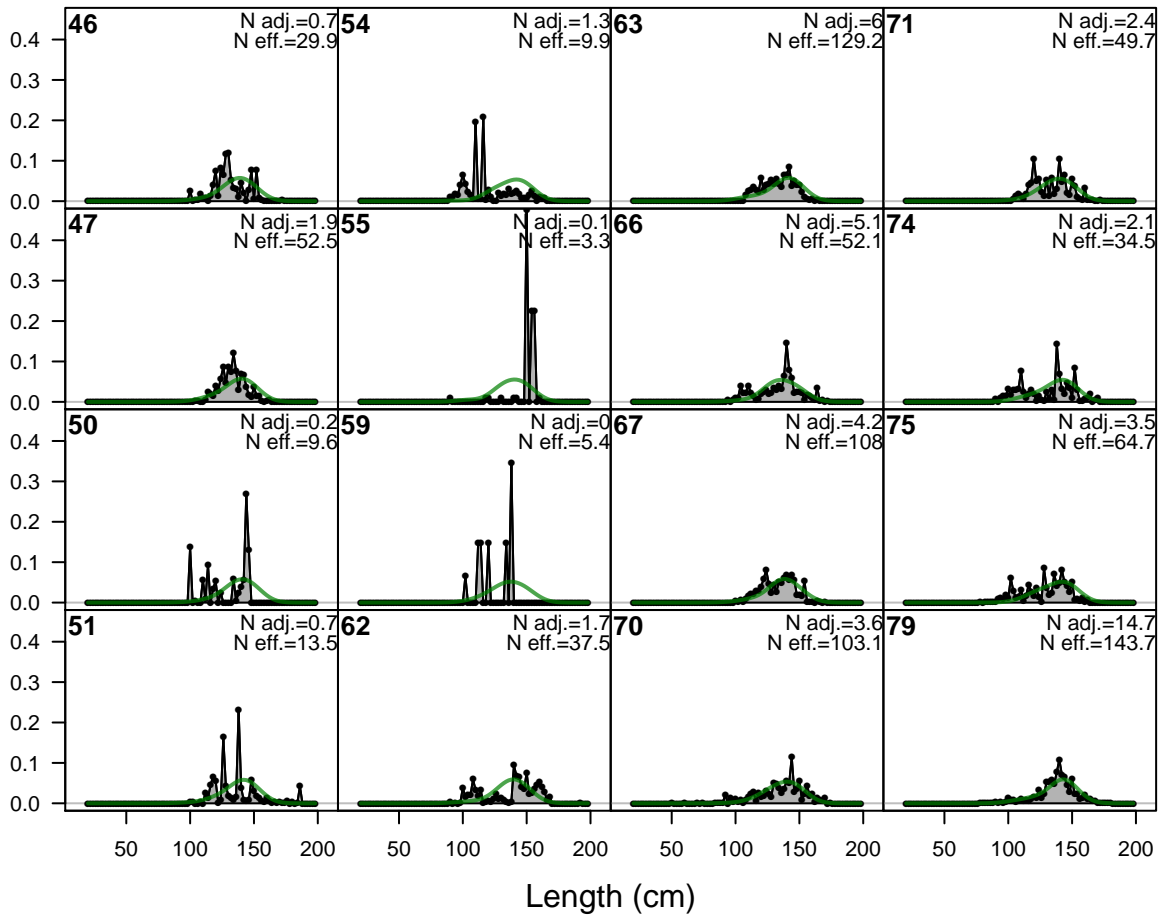




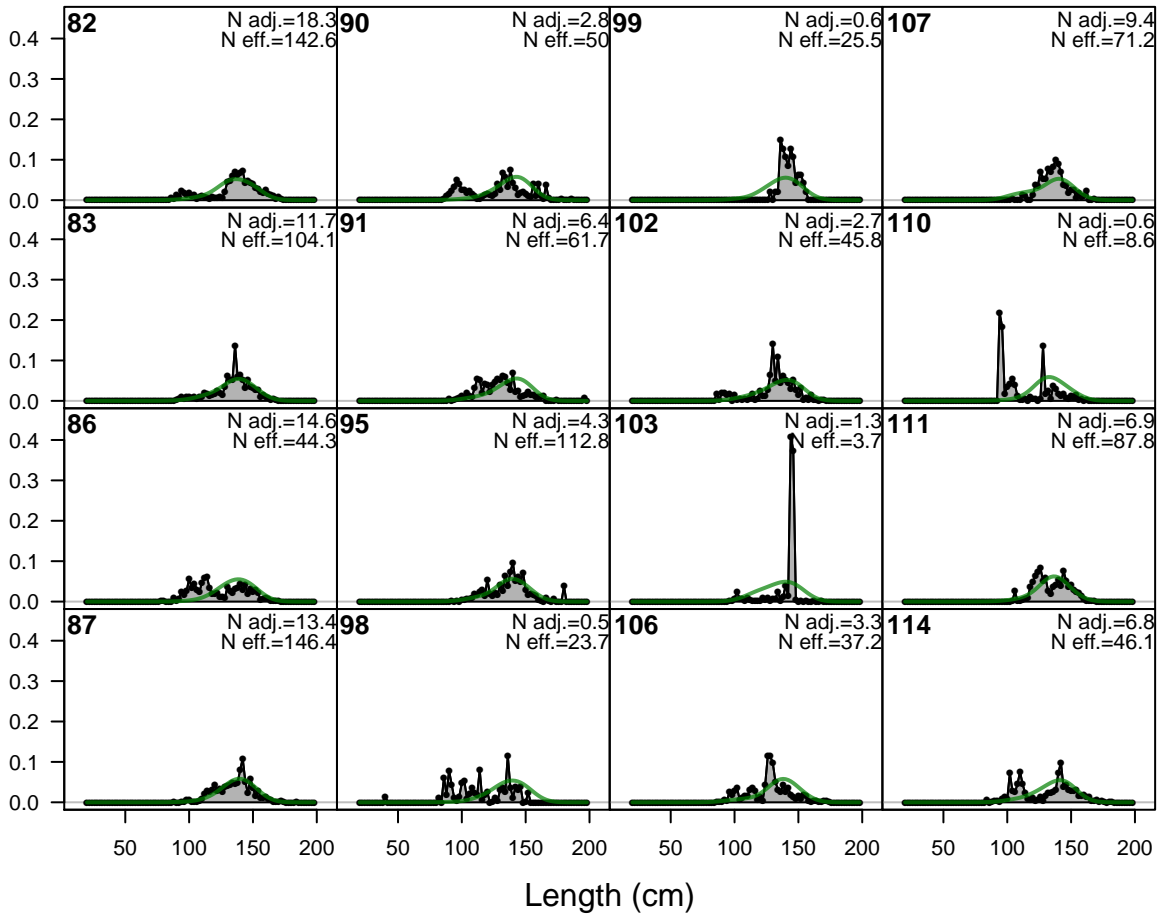
F32-LL_W_Q23n (whole catch)



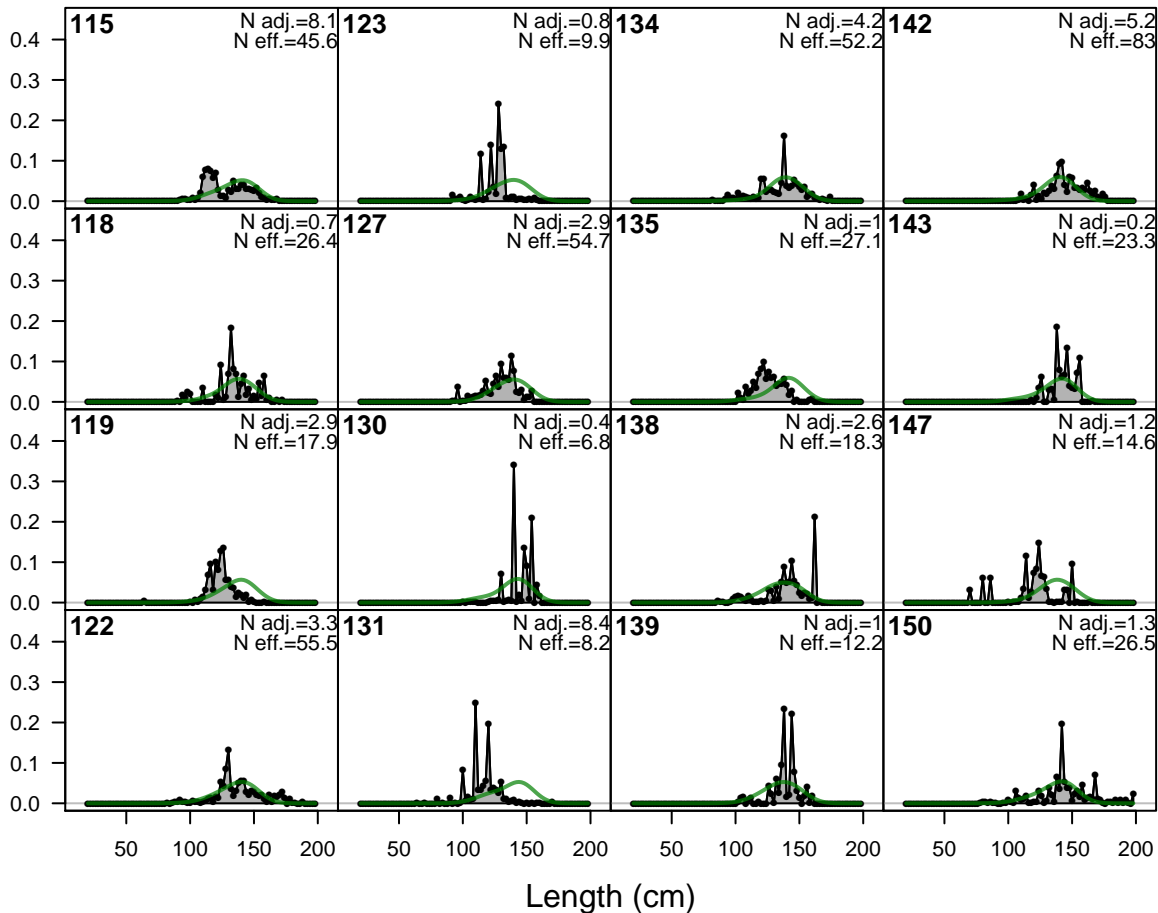
Proportion



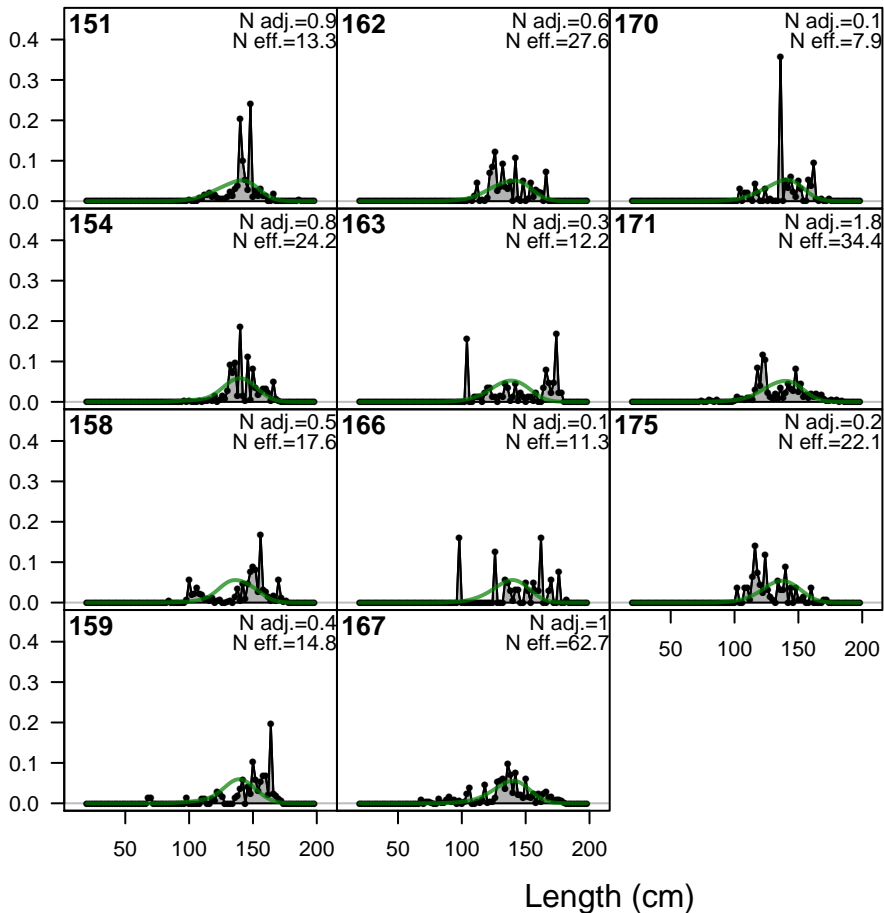
Proportion

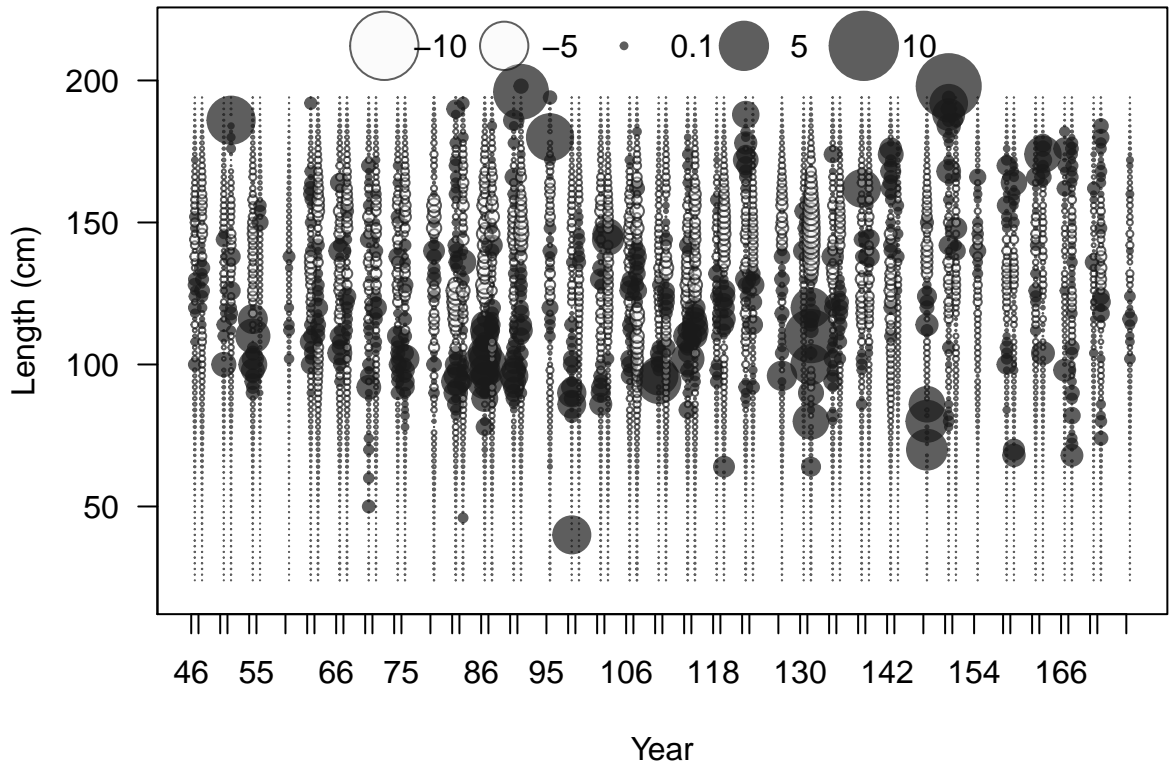


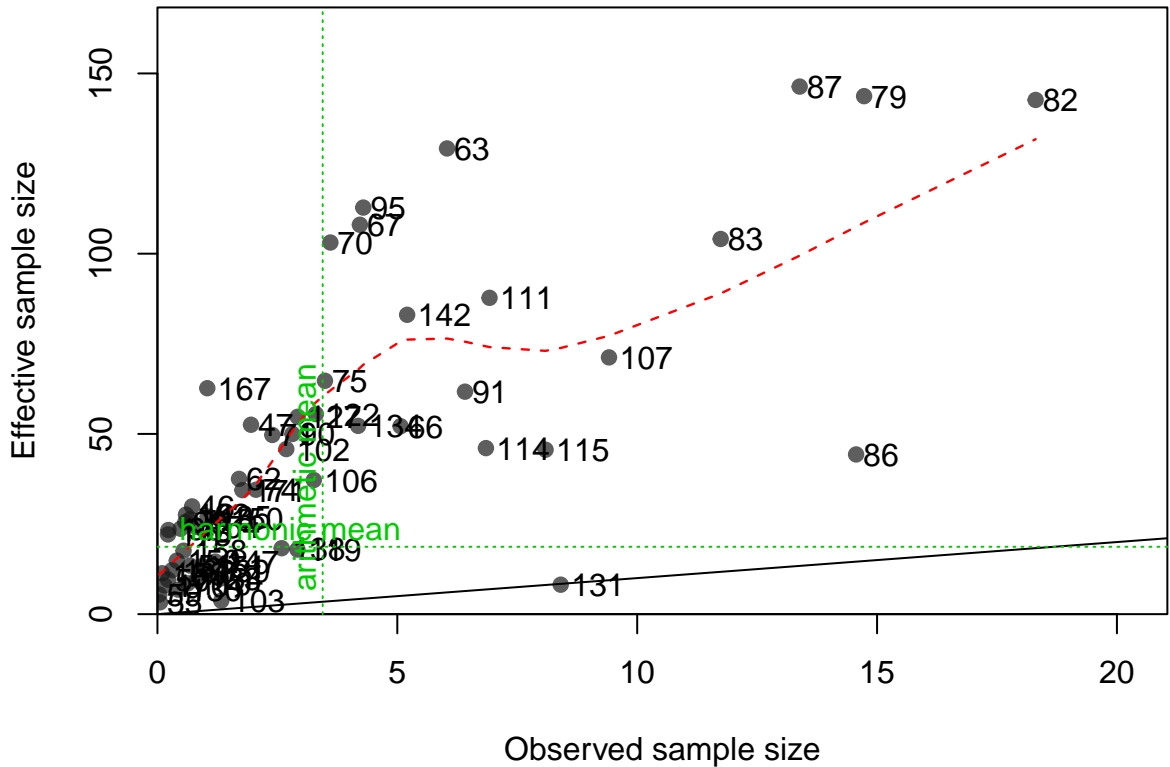
Proportion



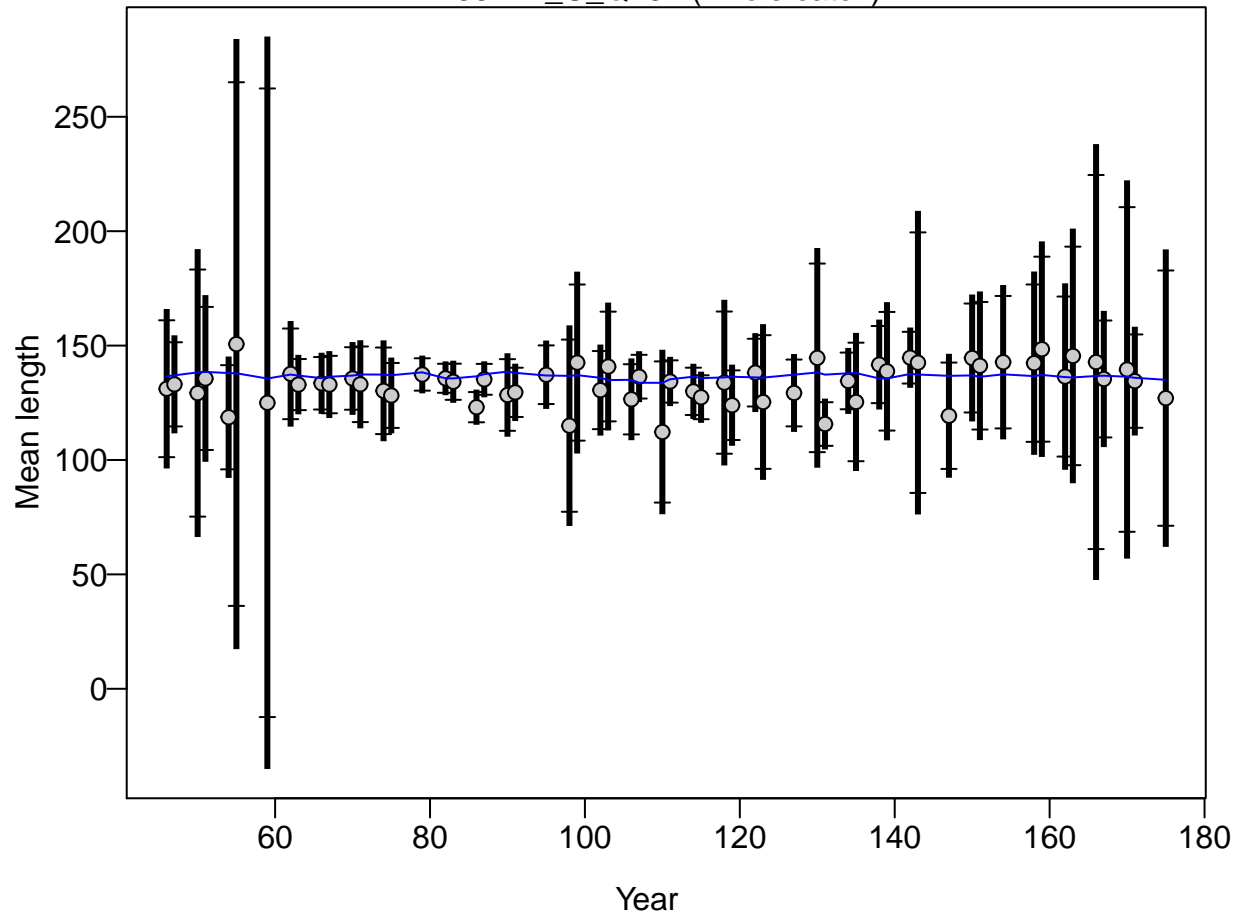
Proportion

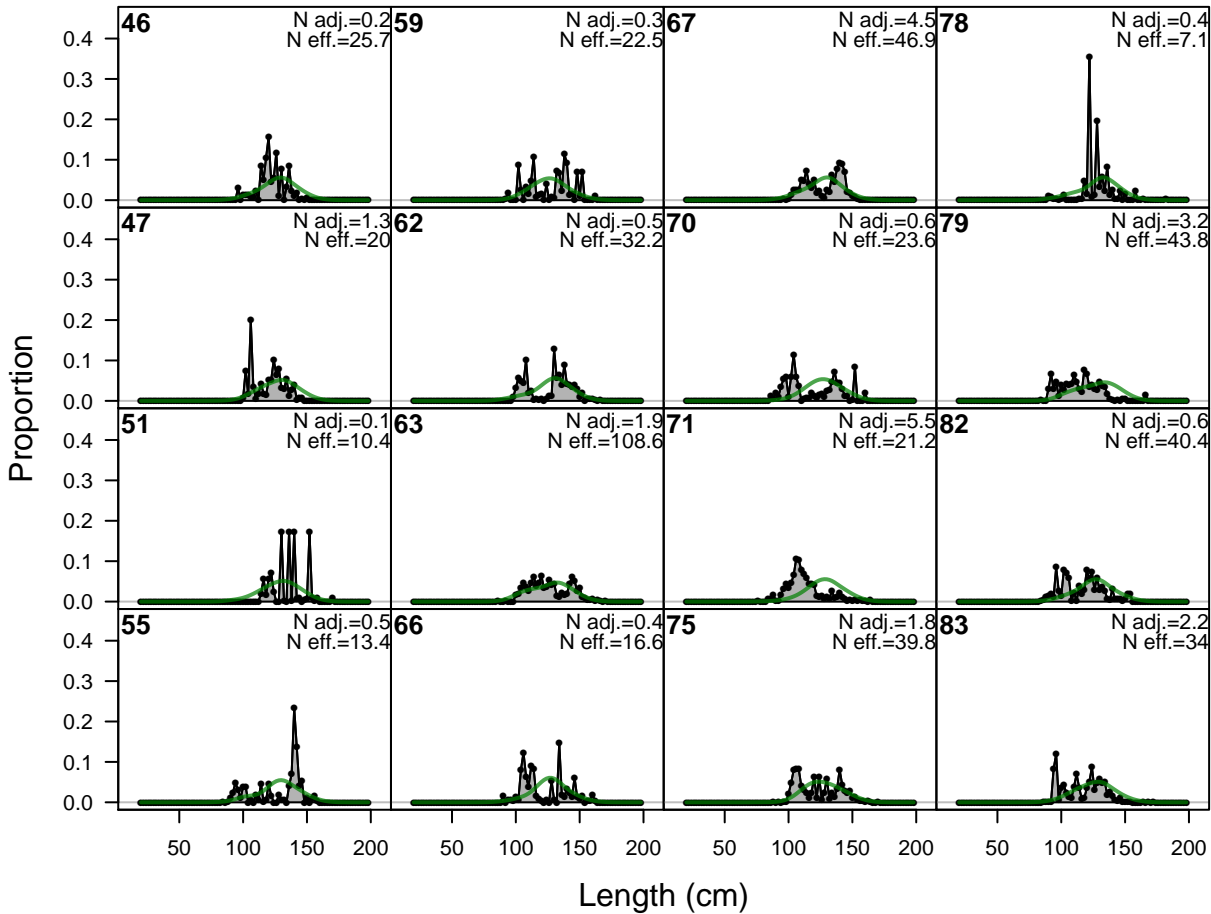




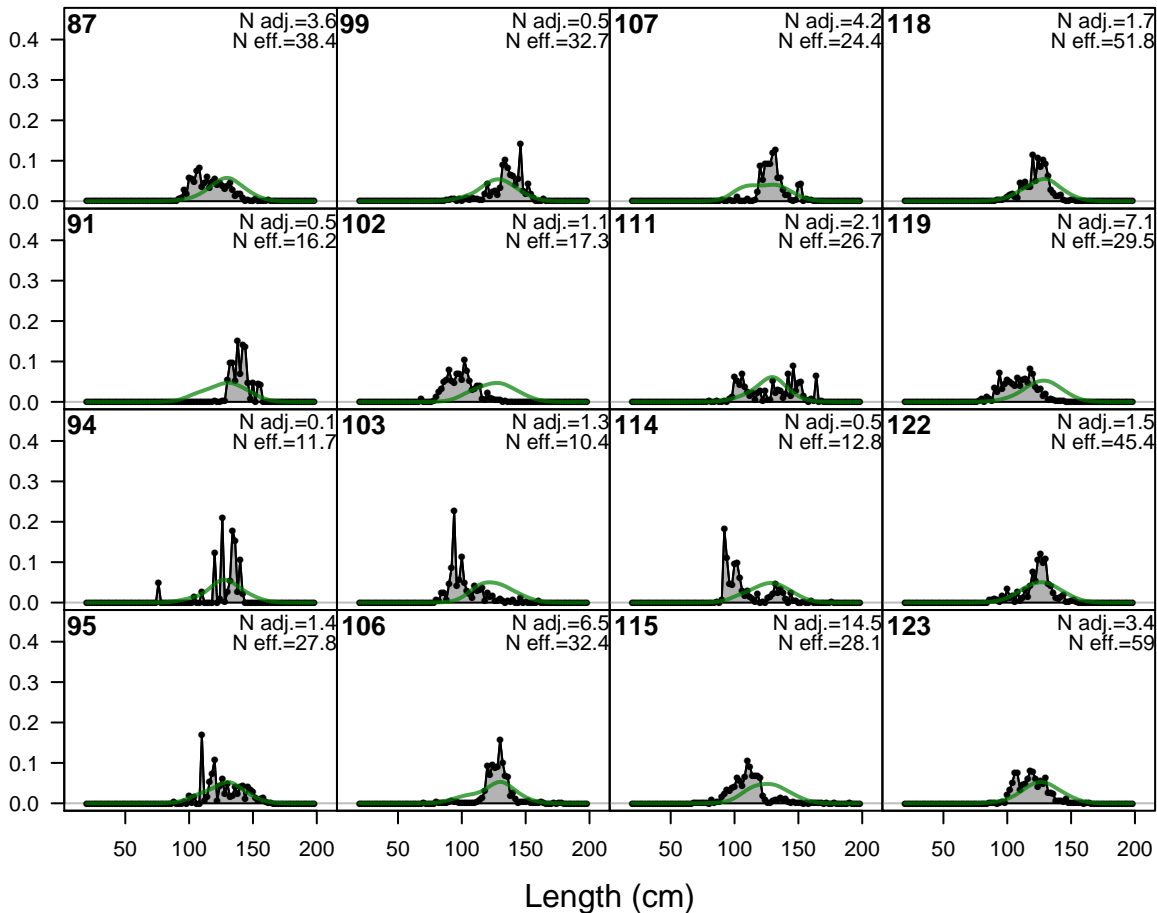


F33-LL_C_Q23n (whole catch)

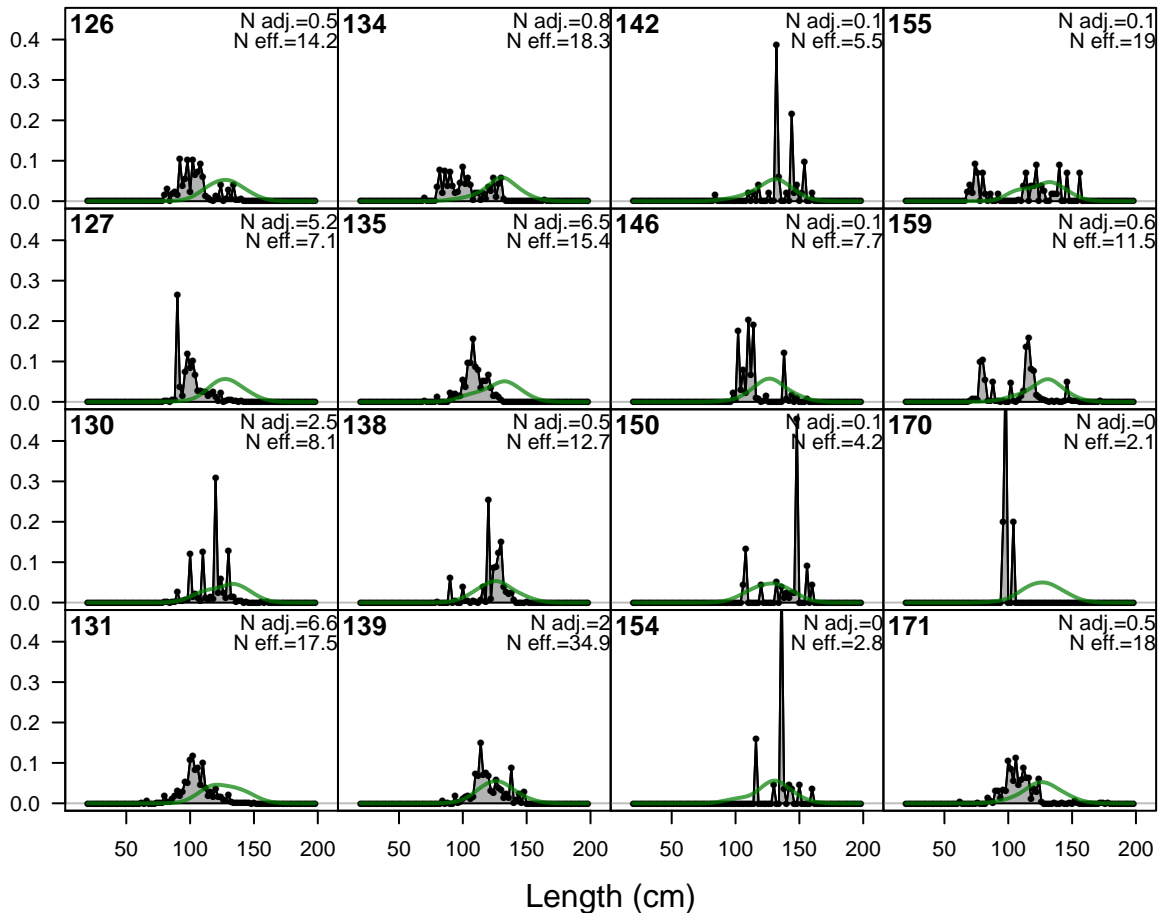


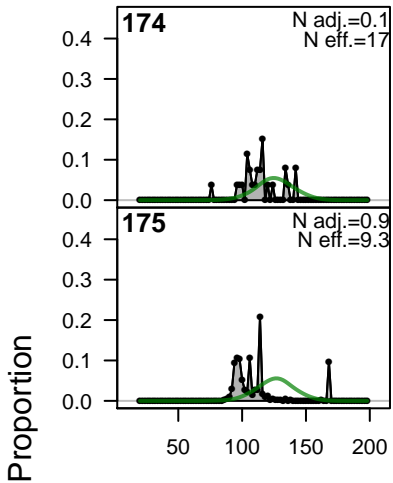


Proportion

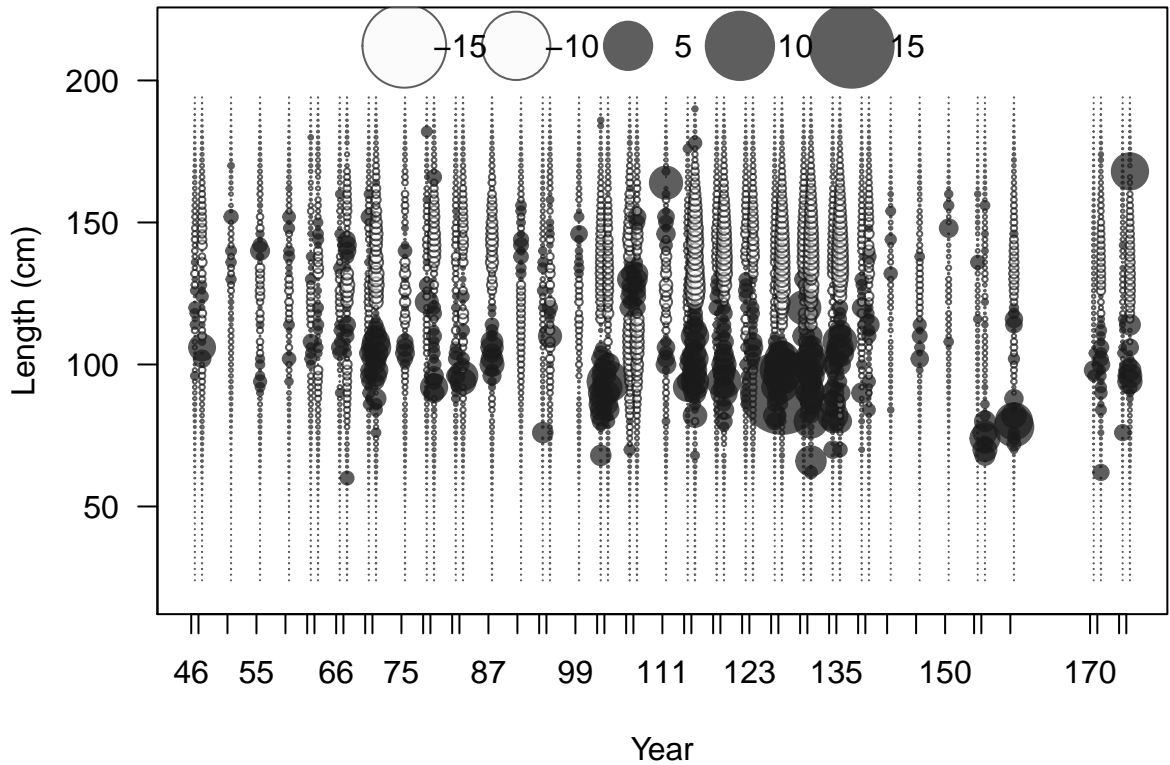


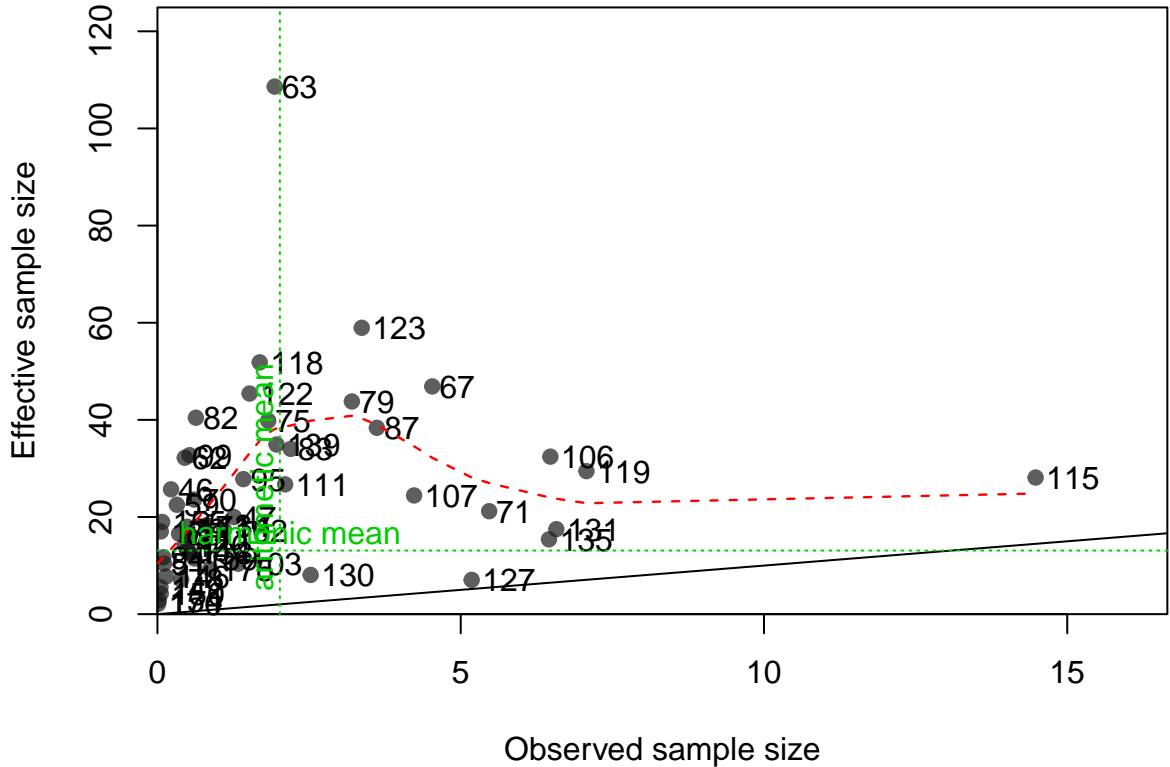
Proportion



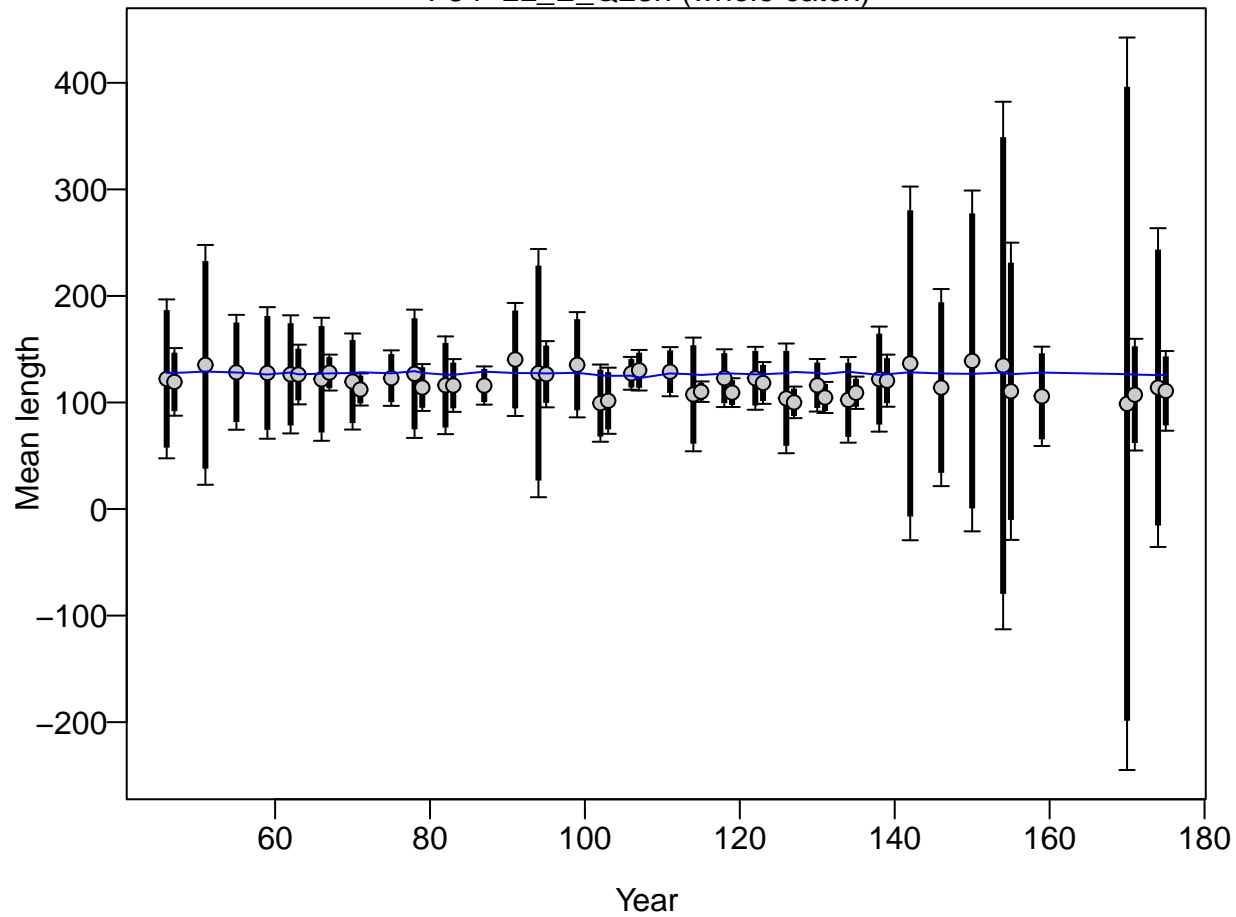


Length (cm)

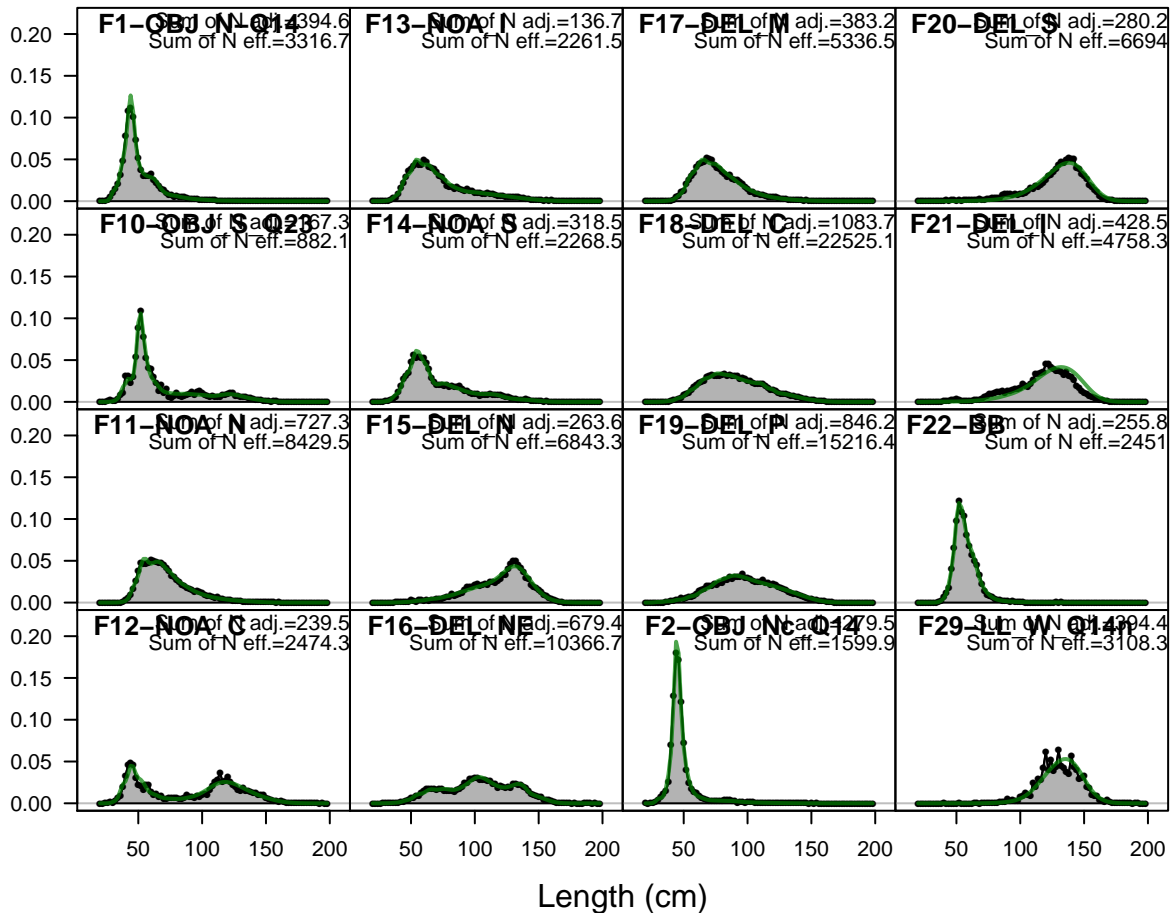




F34-LL_E_Q23n (whole catch)

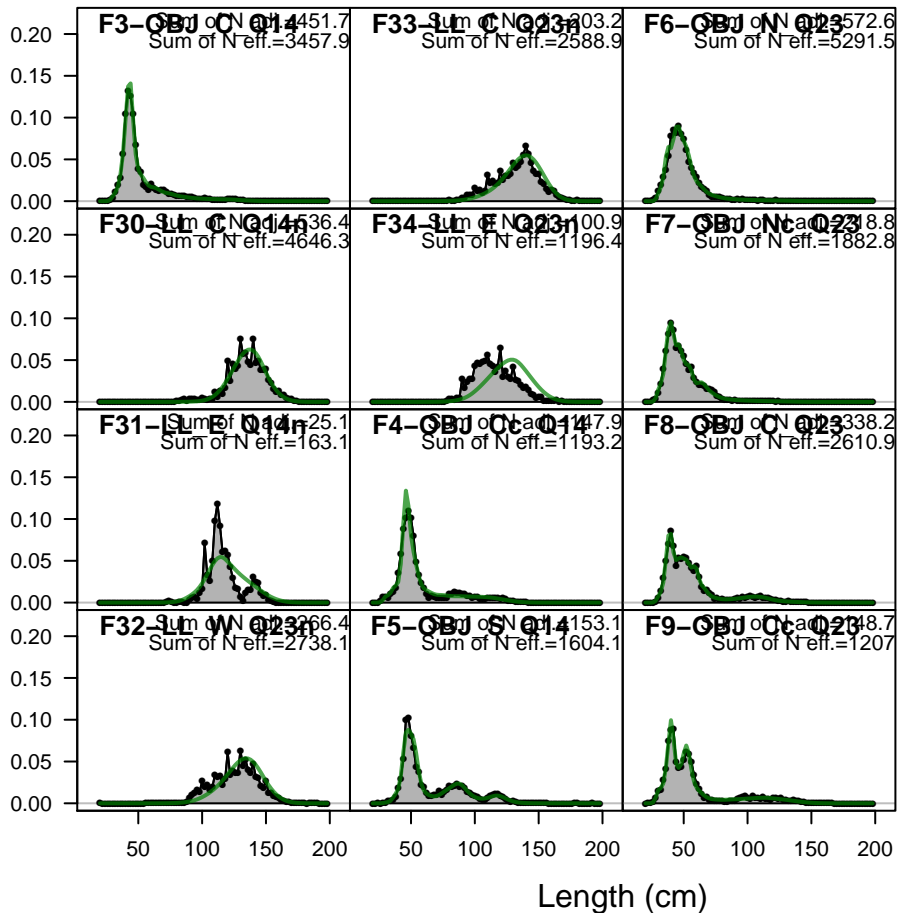


Proportion

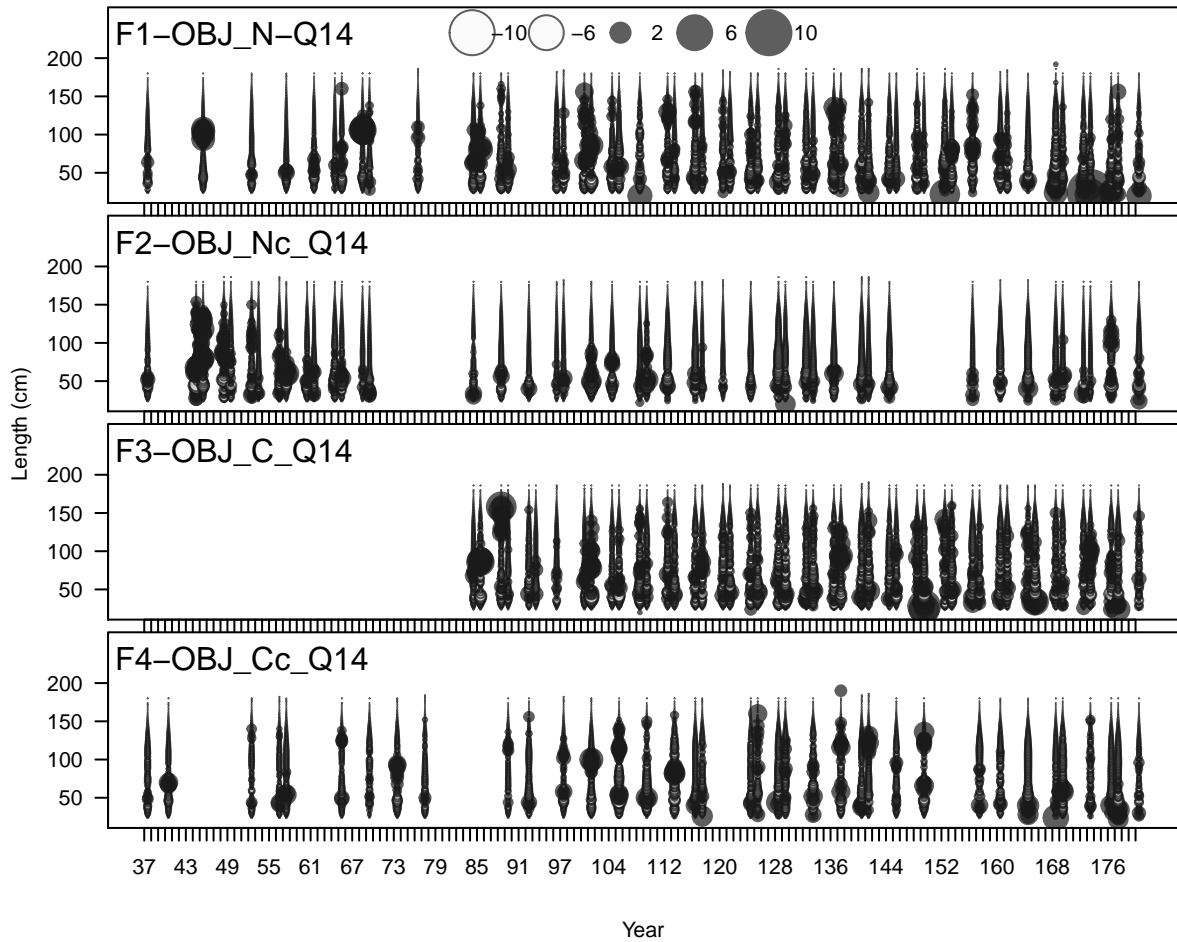


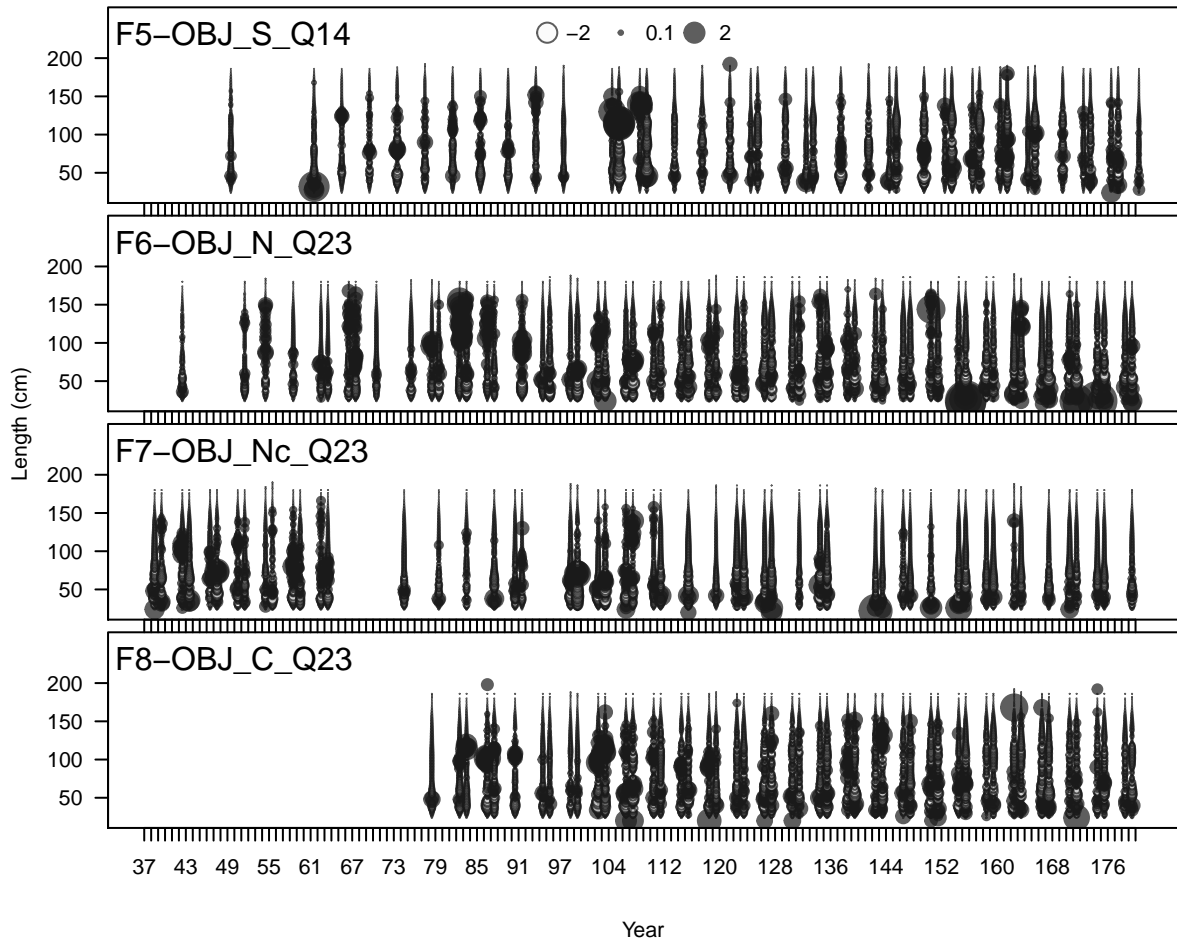
Length (cm)

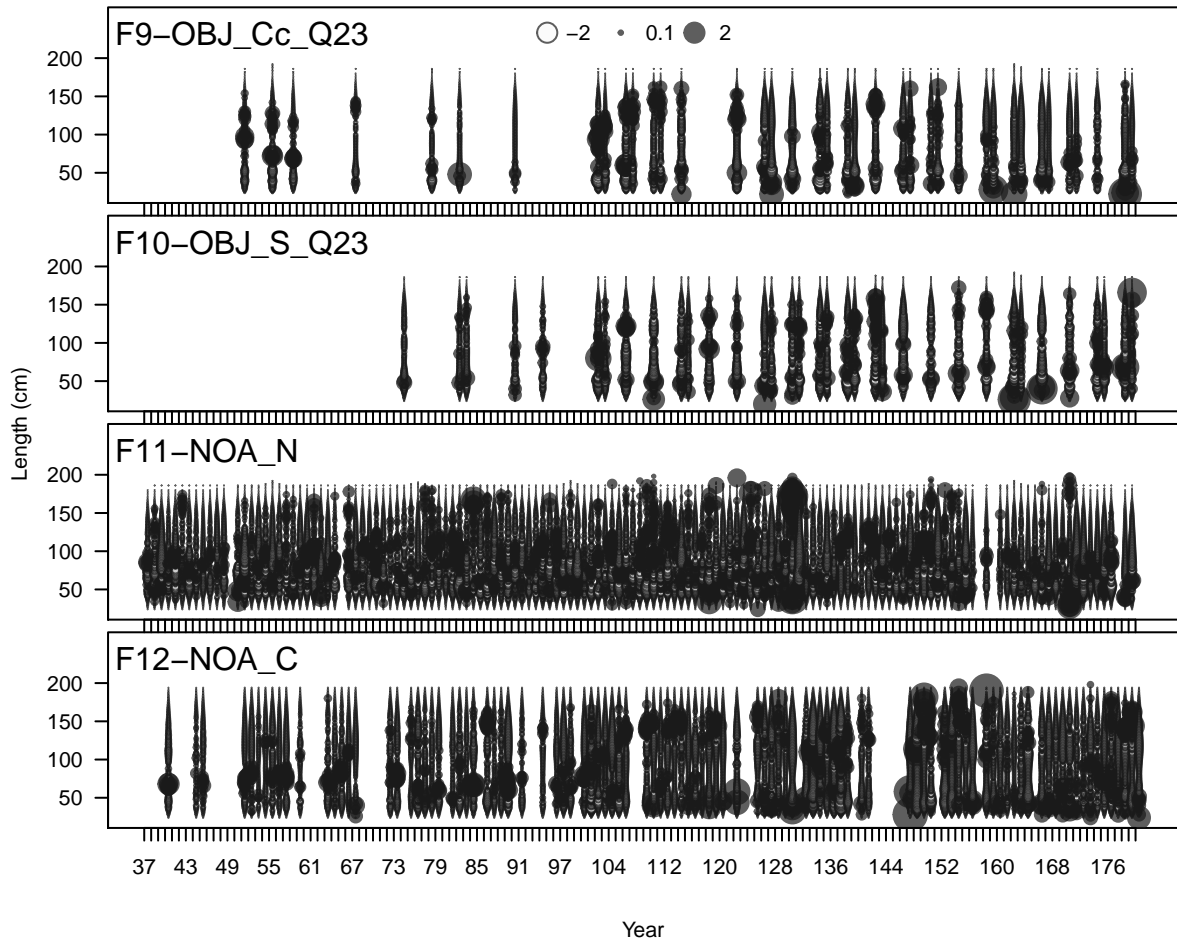
Proportion

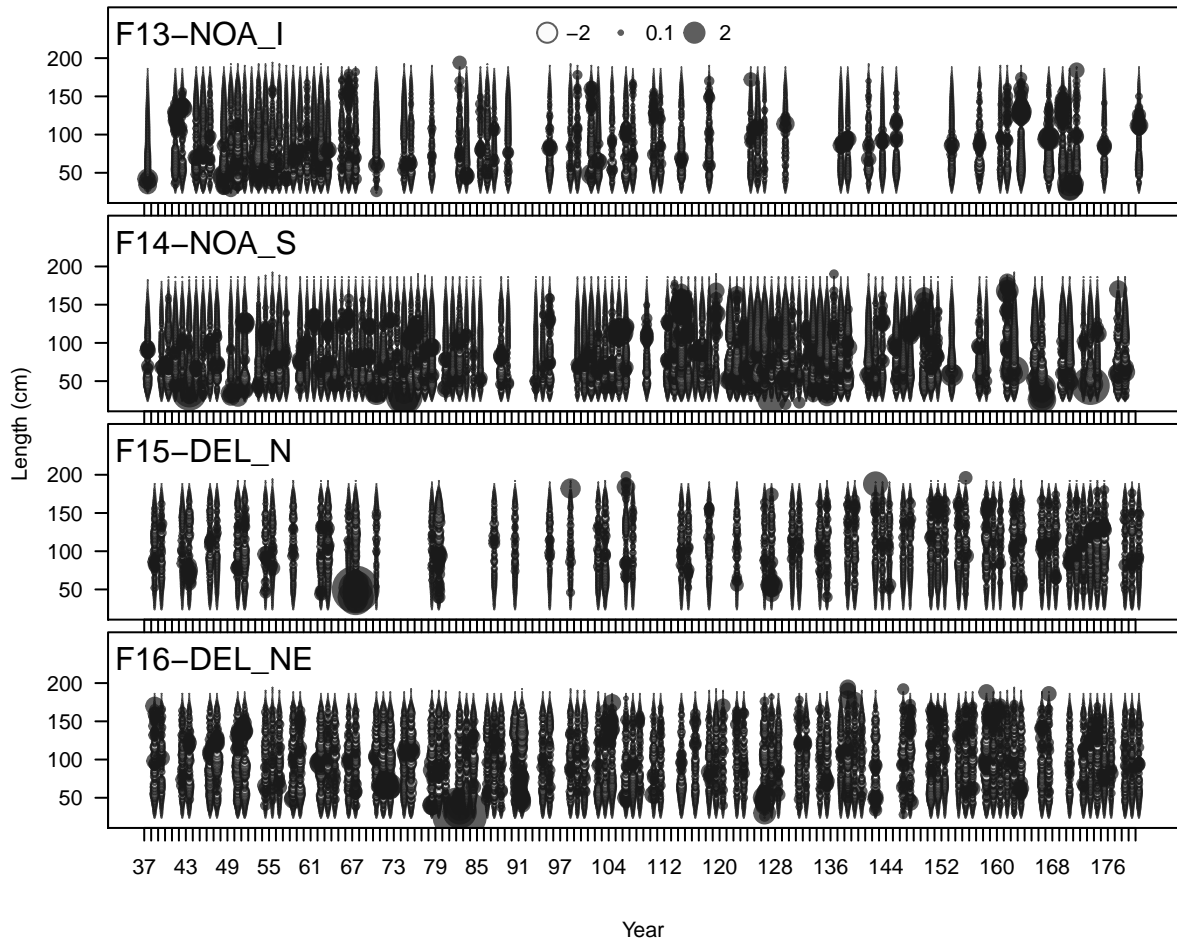


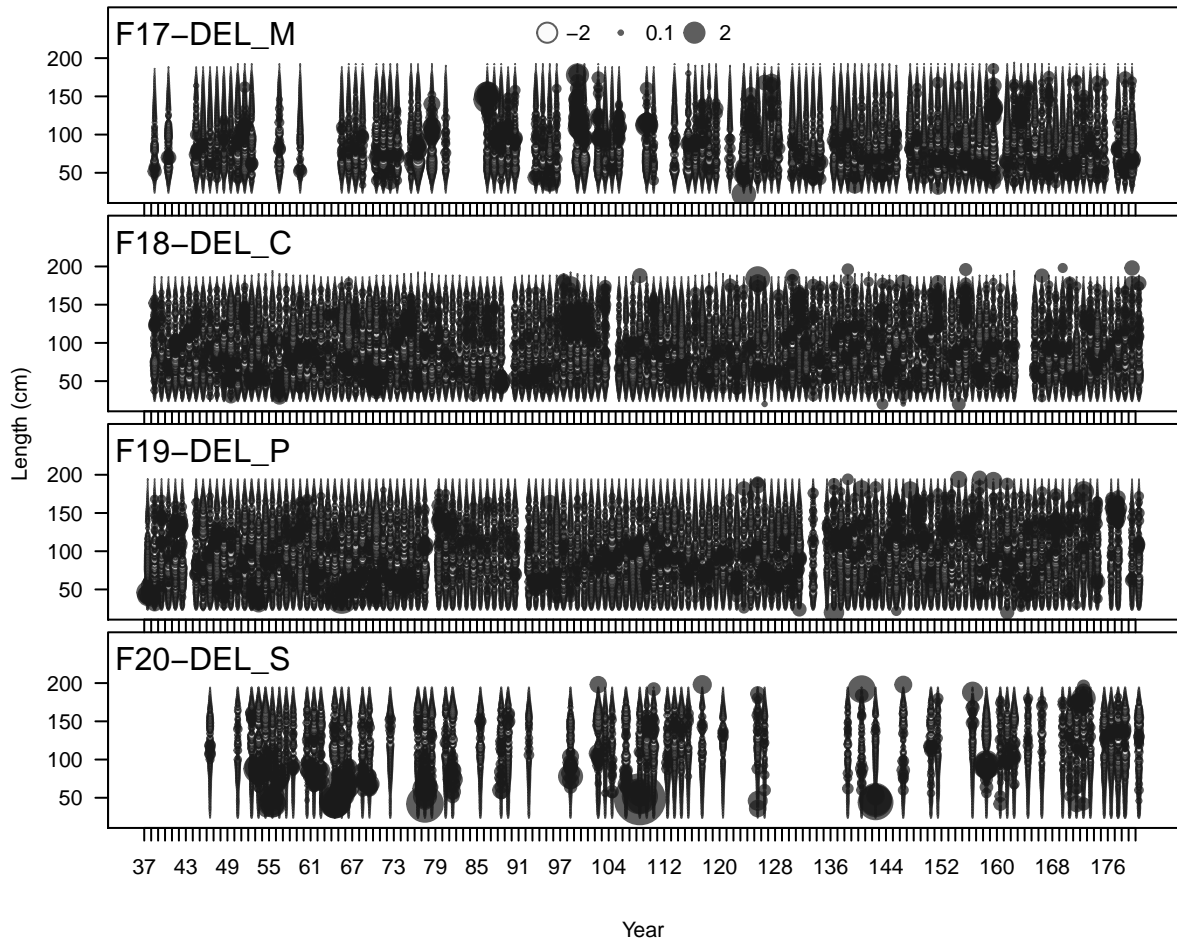
Length (cm)

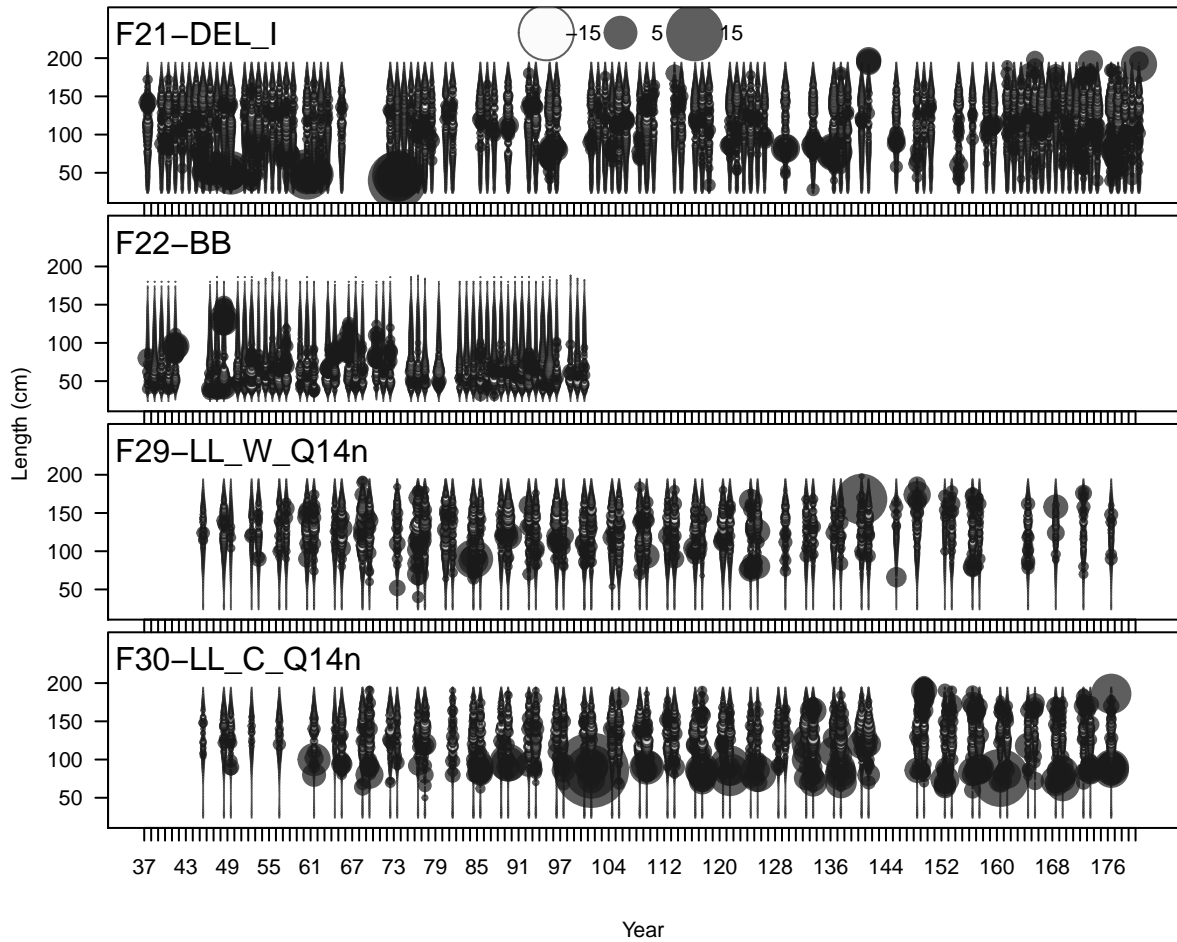


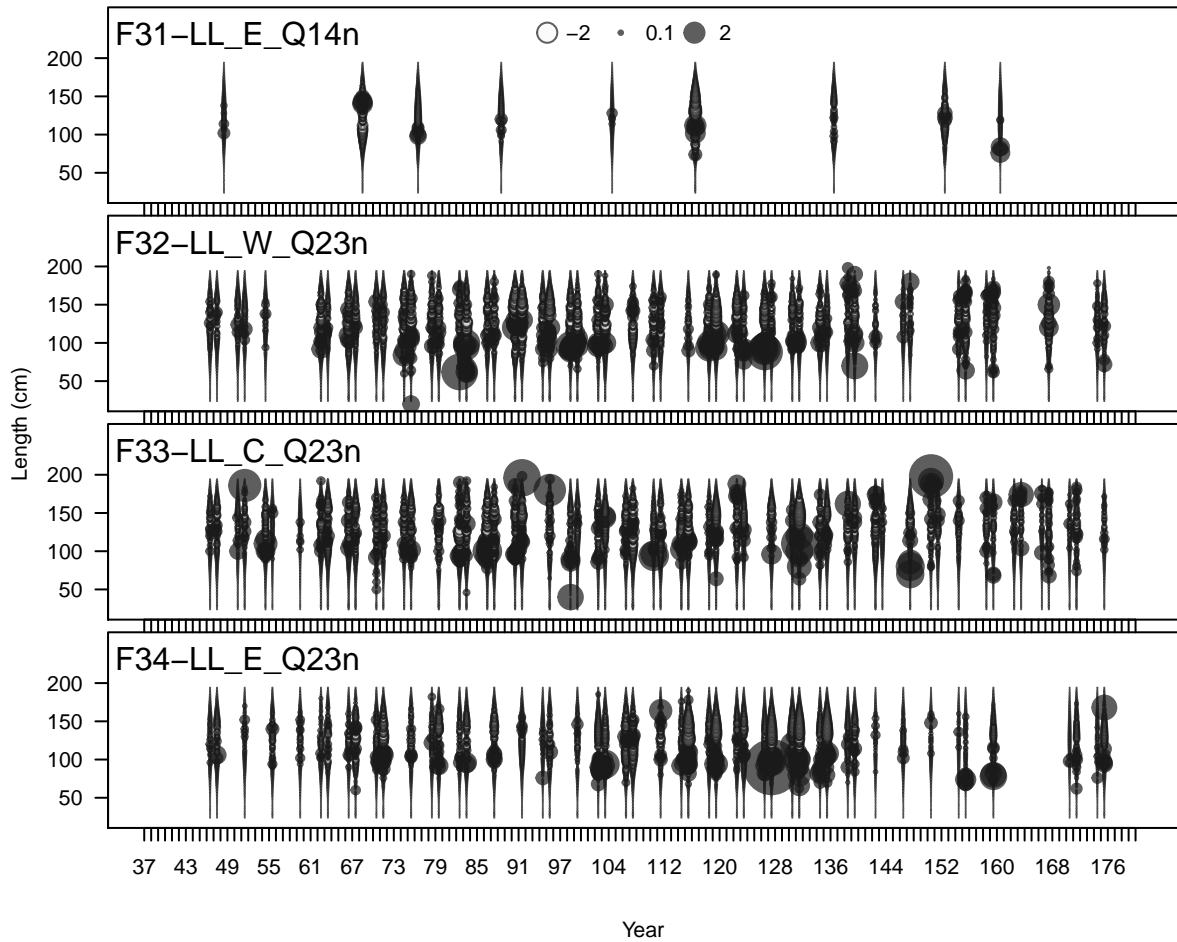




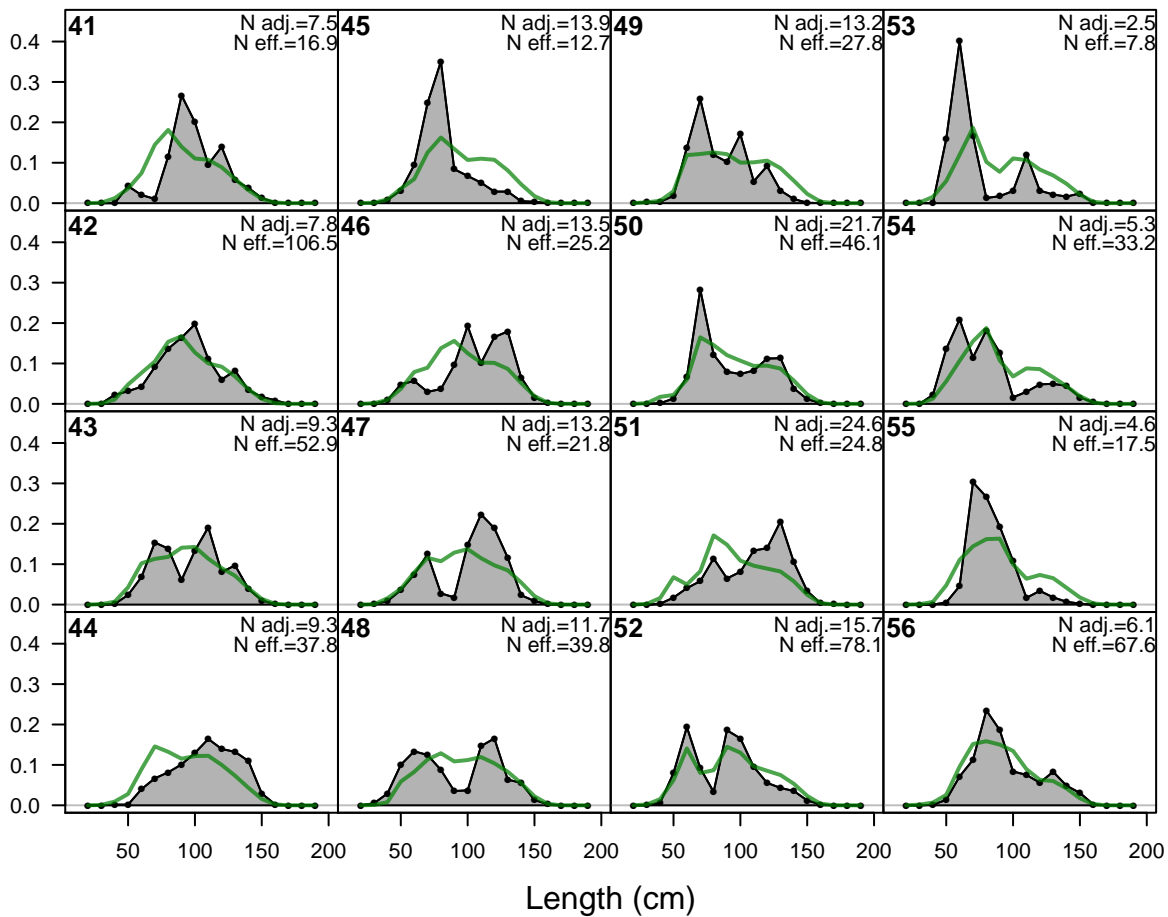




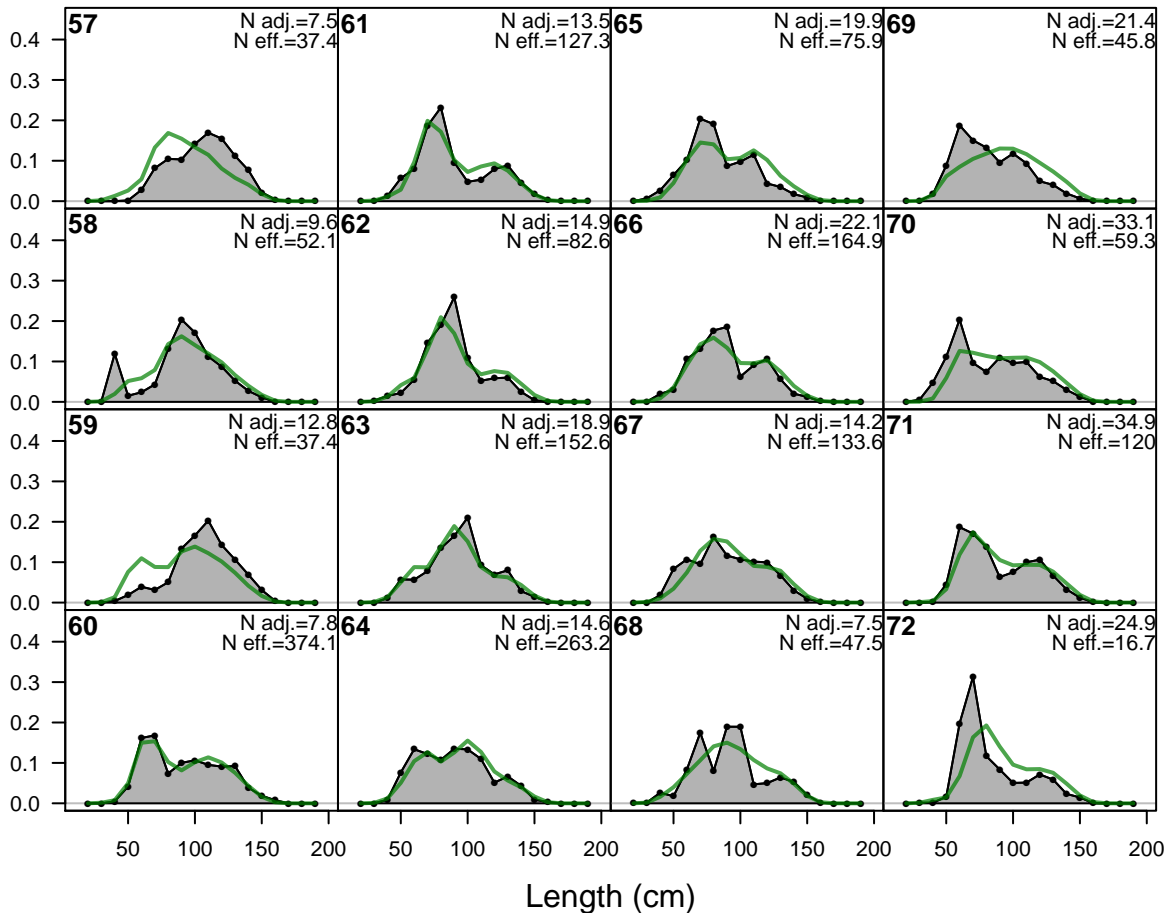




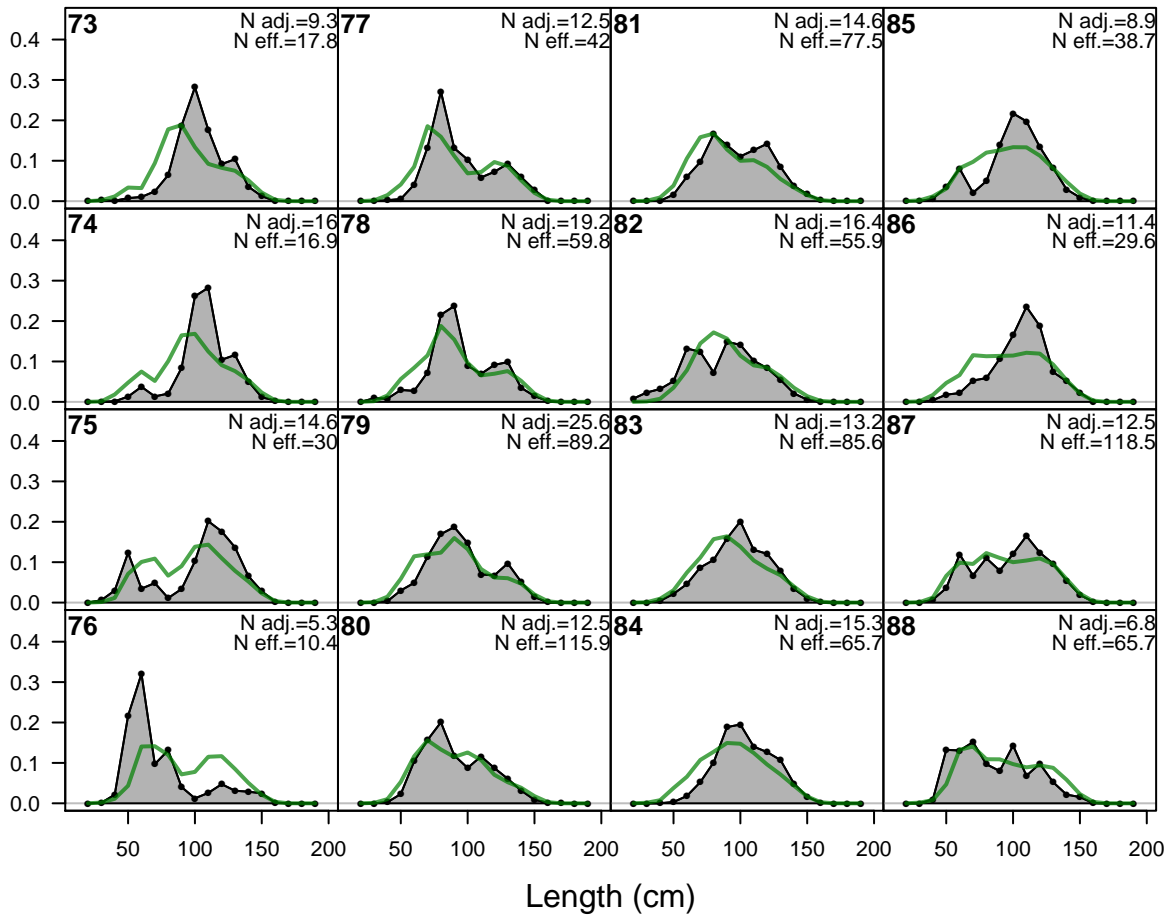
Proportion



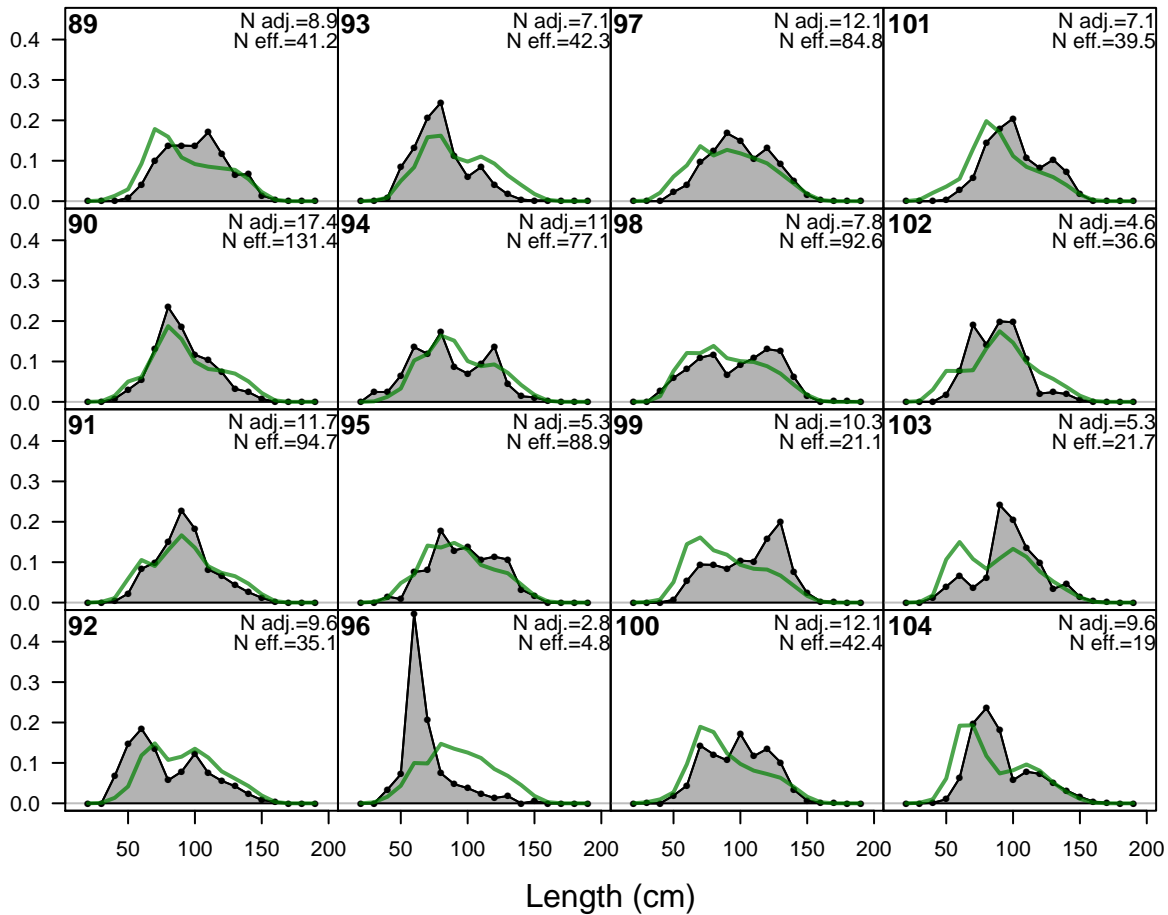
Proportion



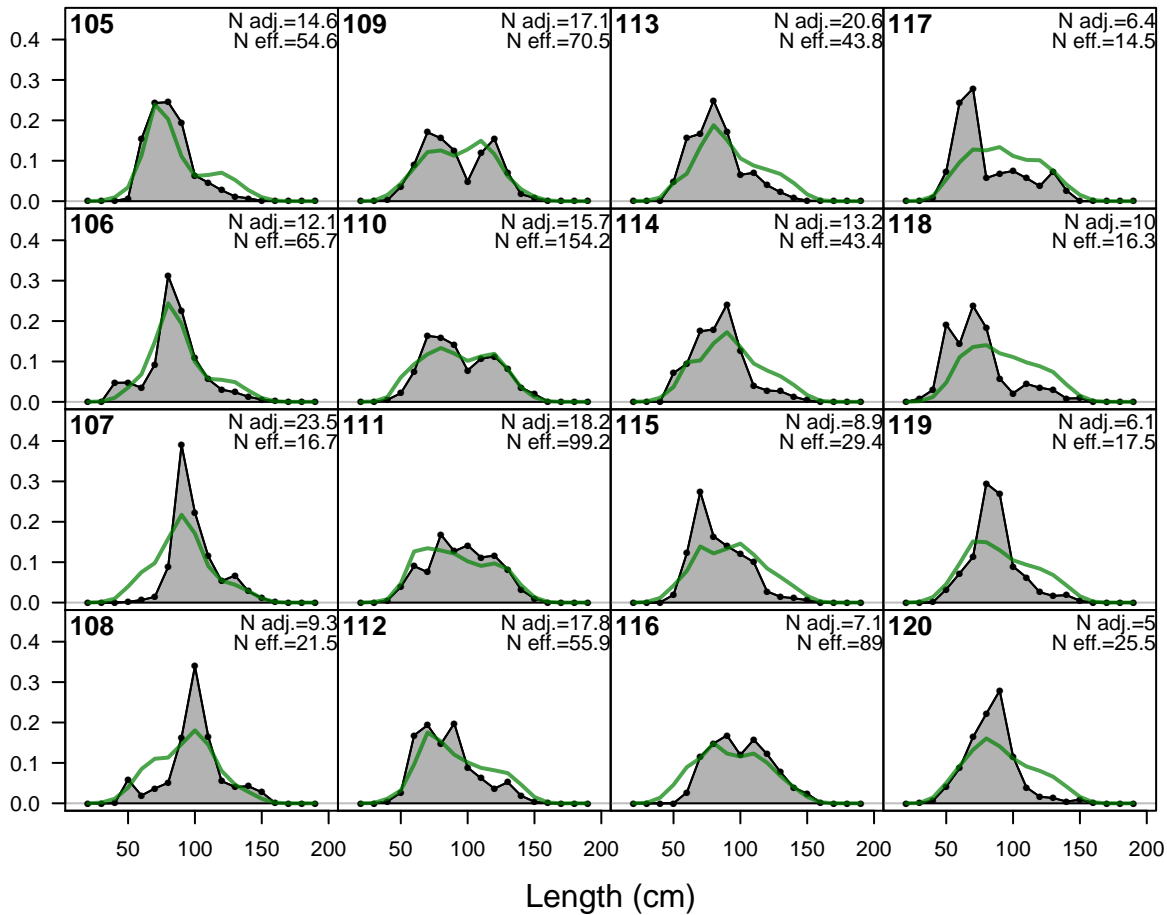
Proportion



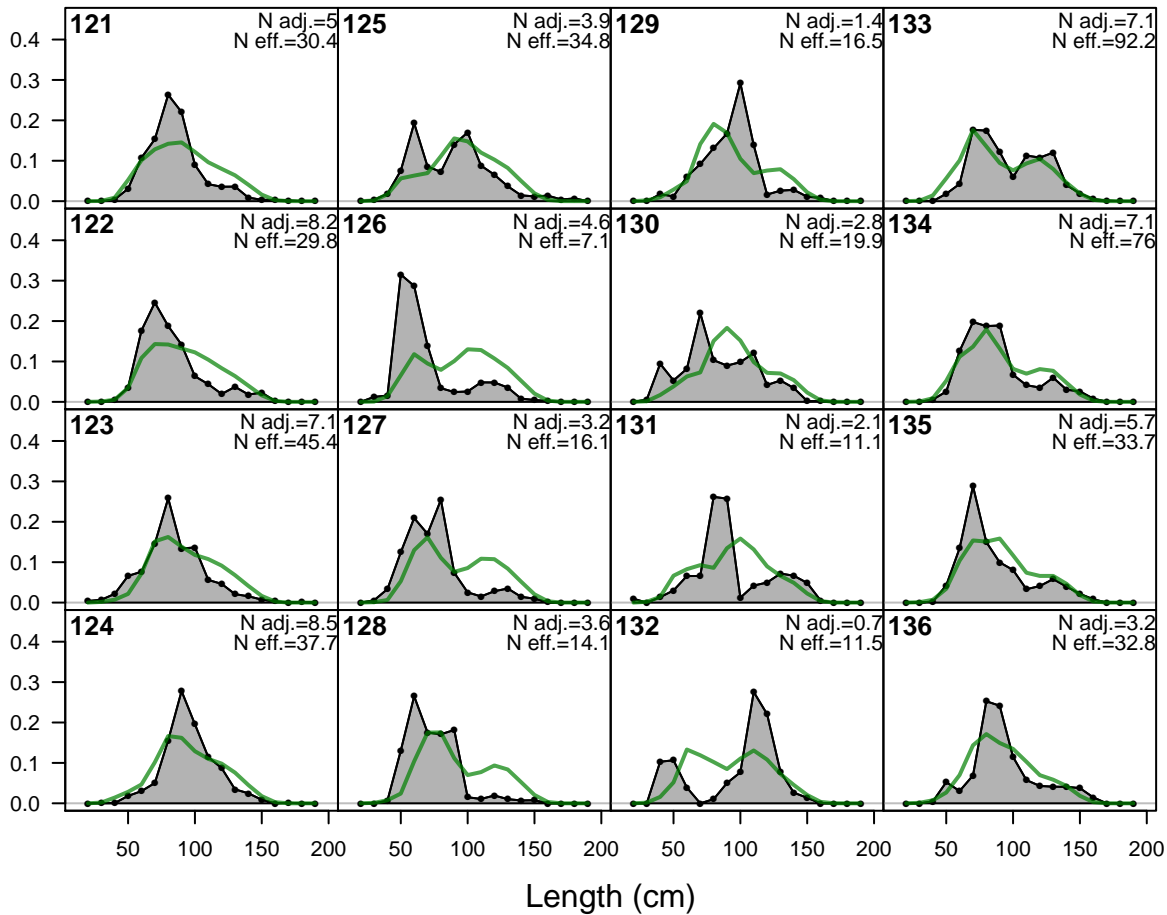
Proportion



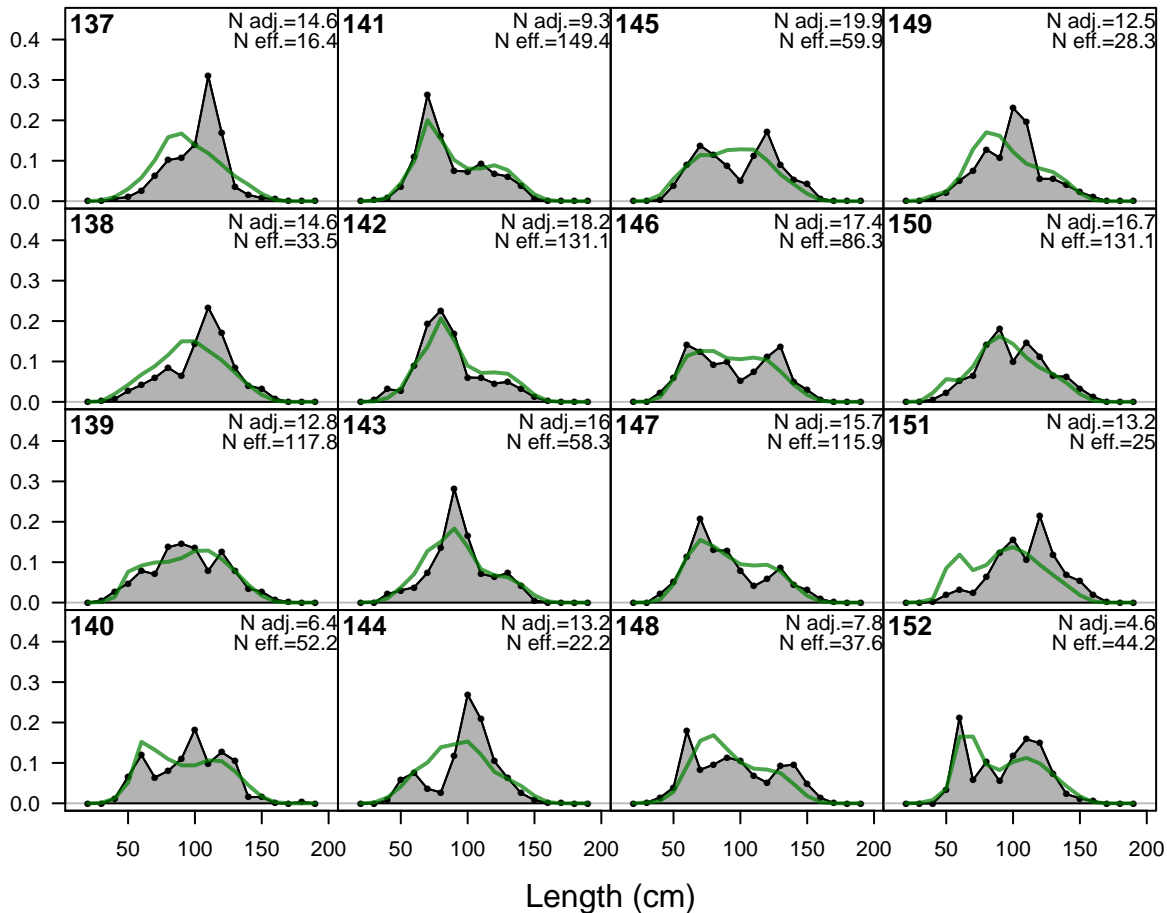
Proportion



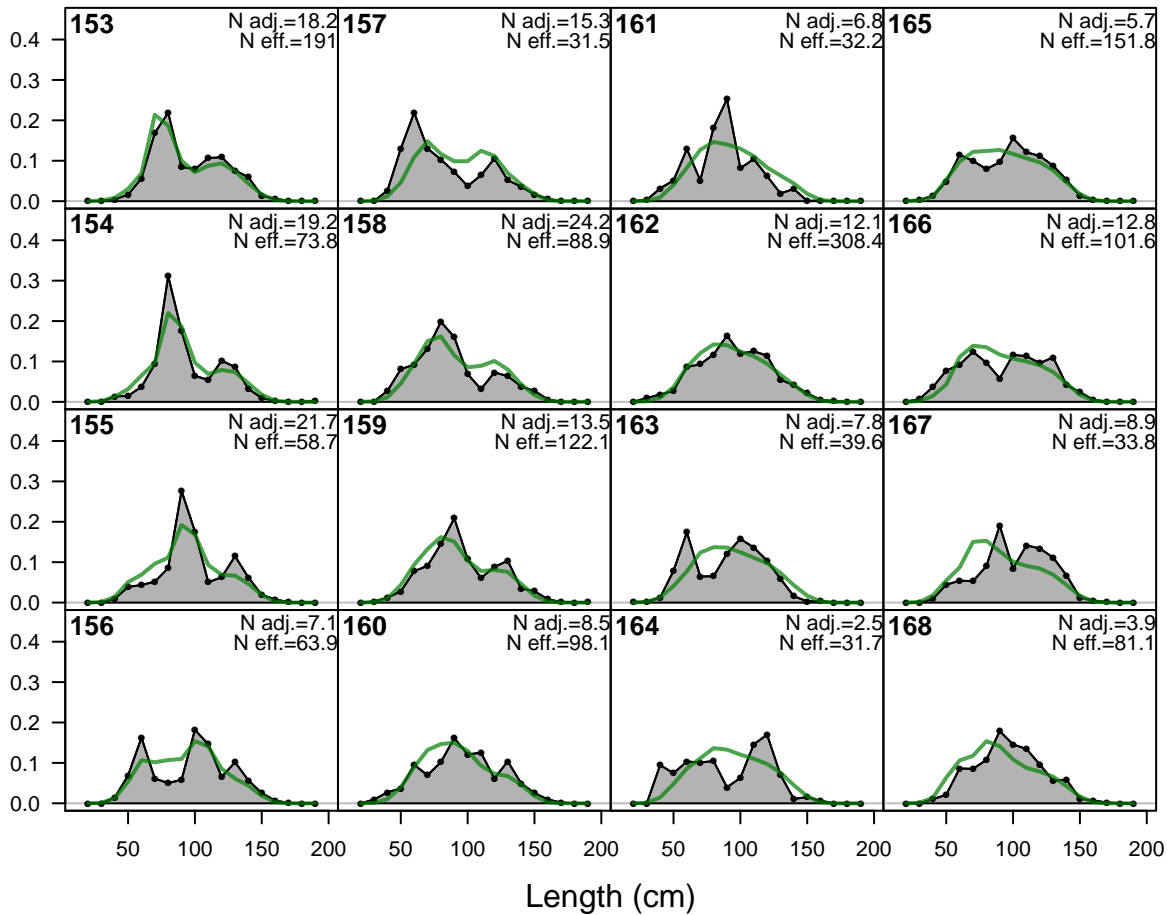
Proportion



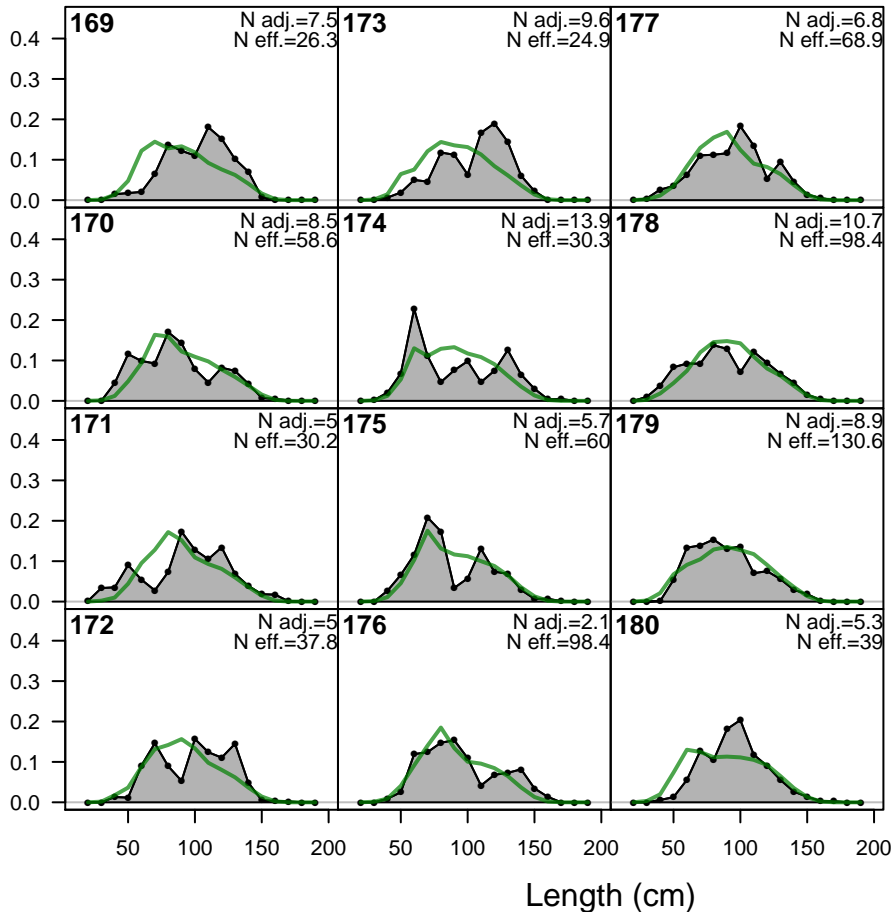
Proportion

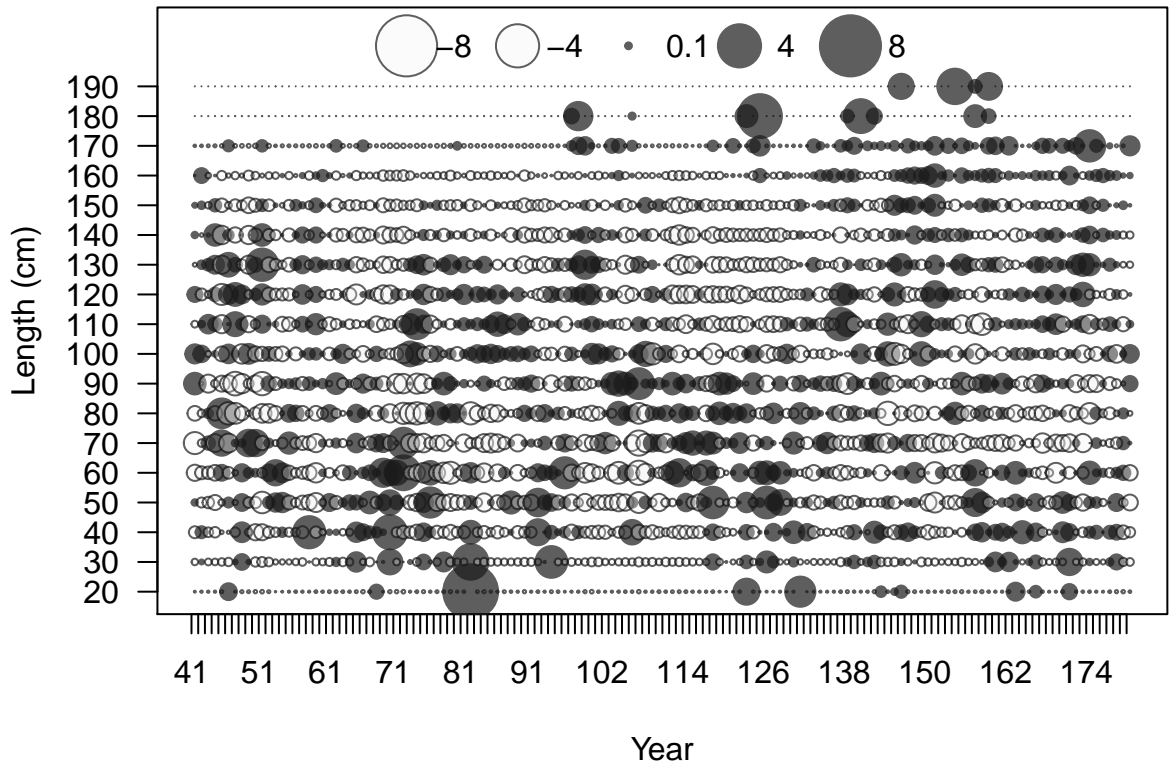


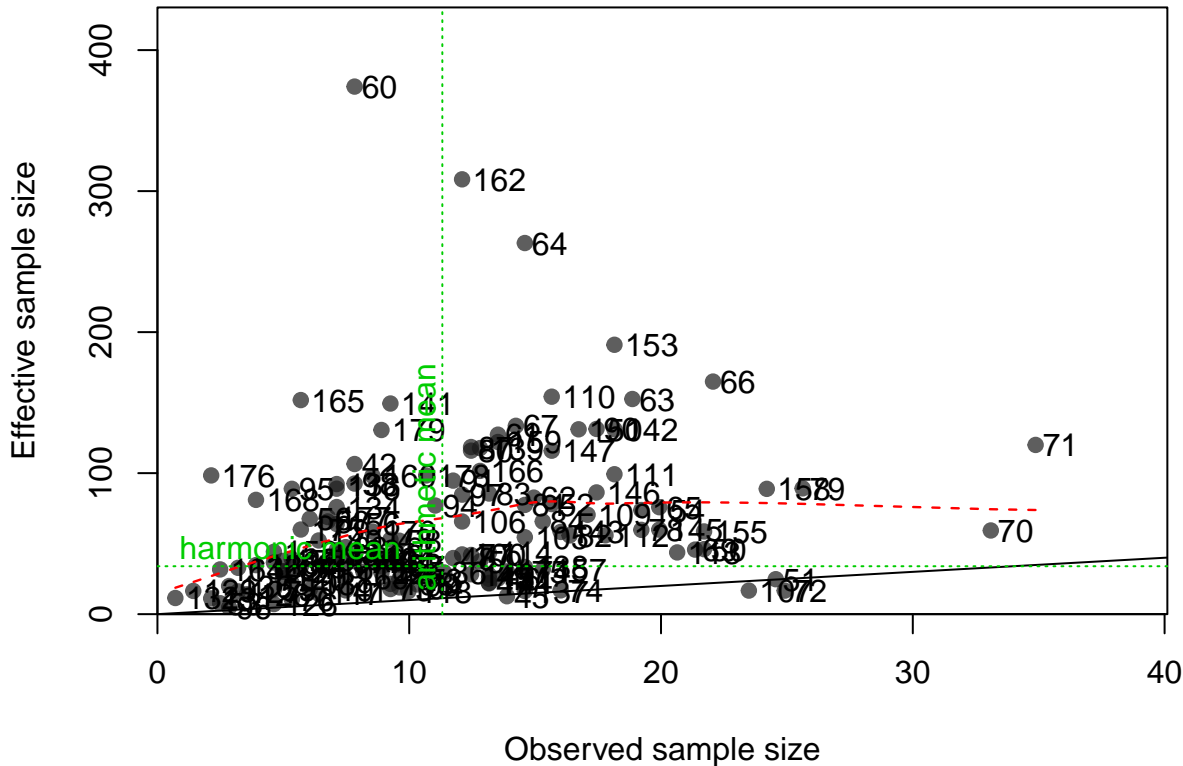
Proportion



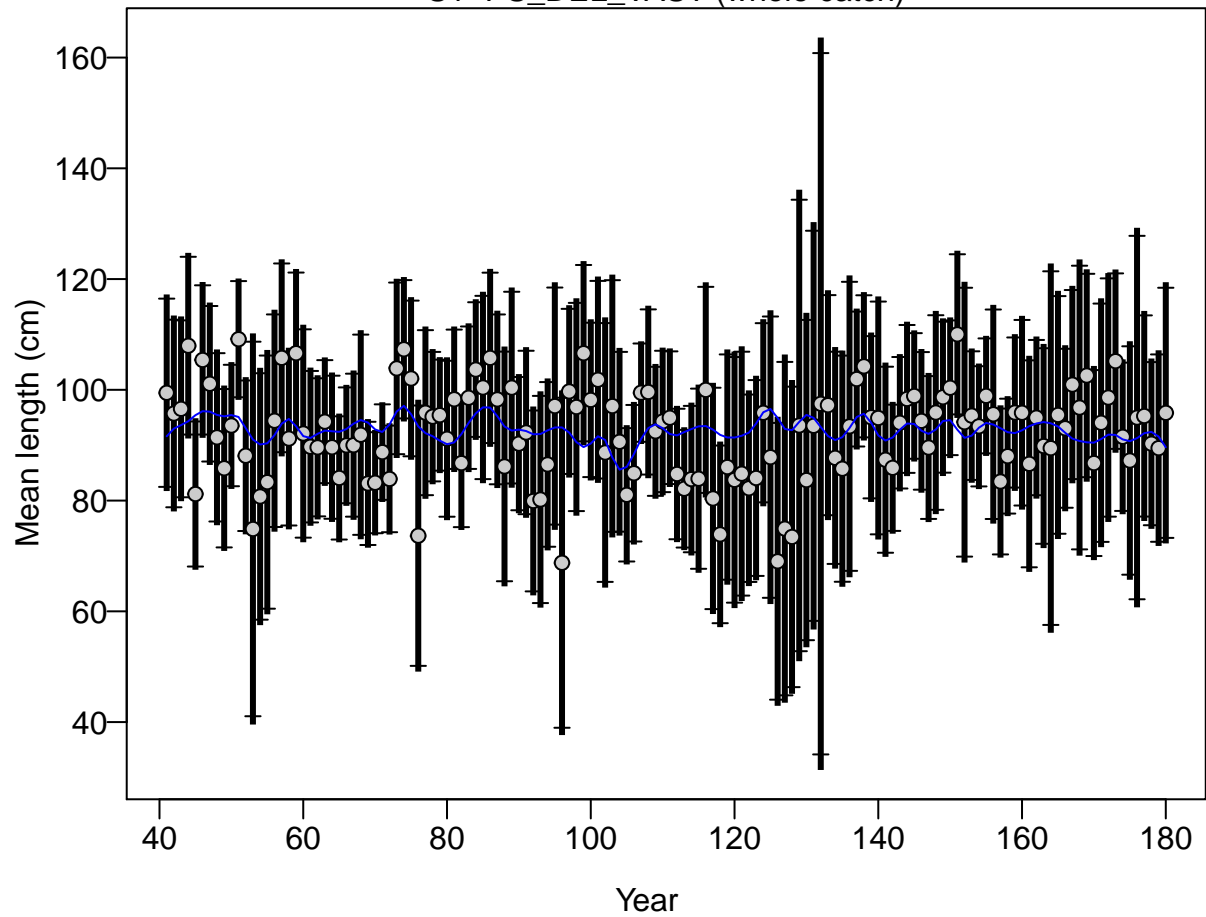
Proportion





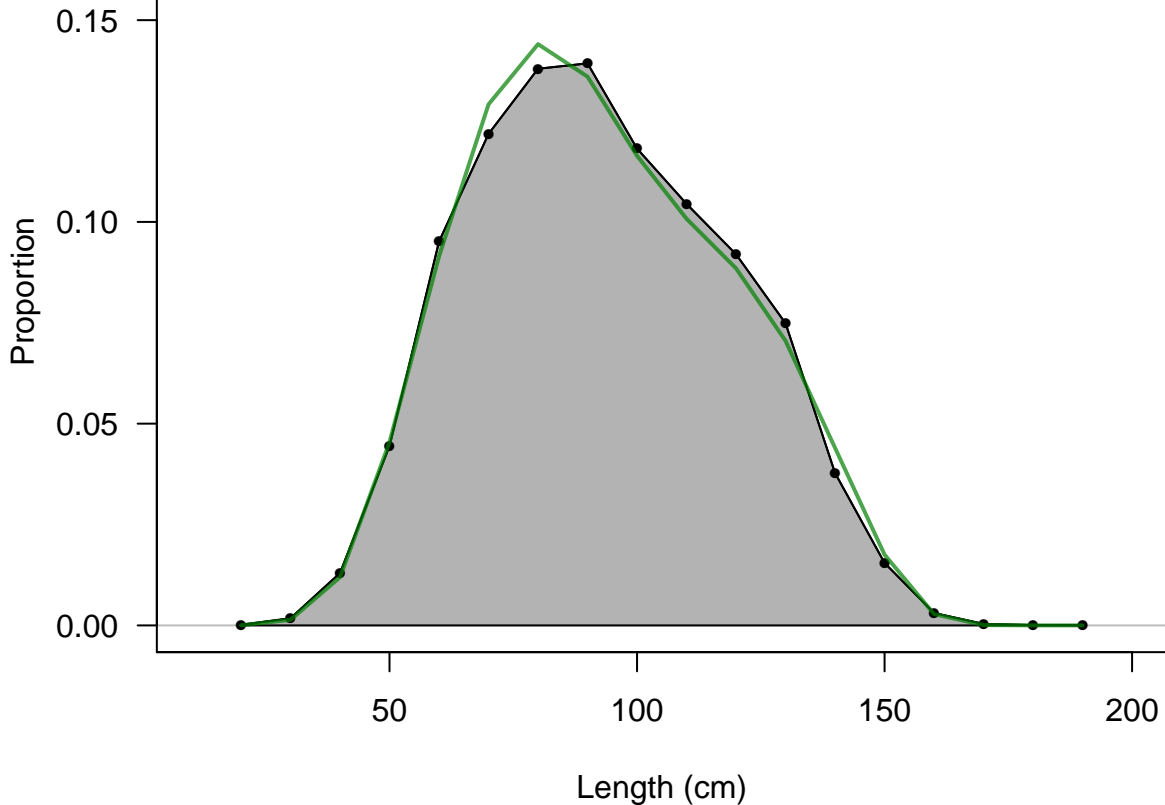


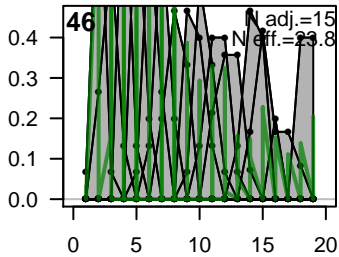
S1-PS_DEL_VAST (whole catch)



S1-PS_DEL_VAST

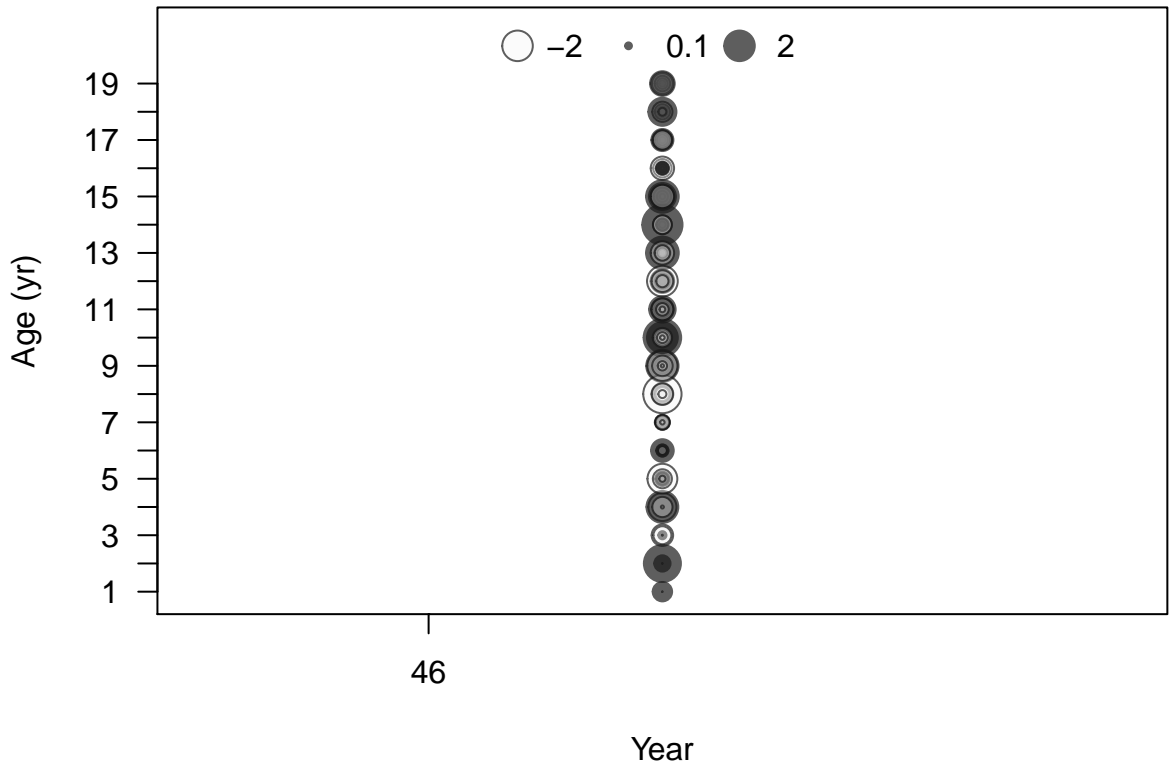
Sum of N adj.=1584.1
Sum of N eff.=8846.6

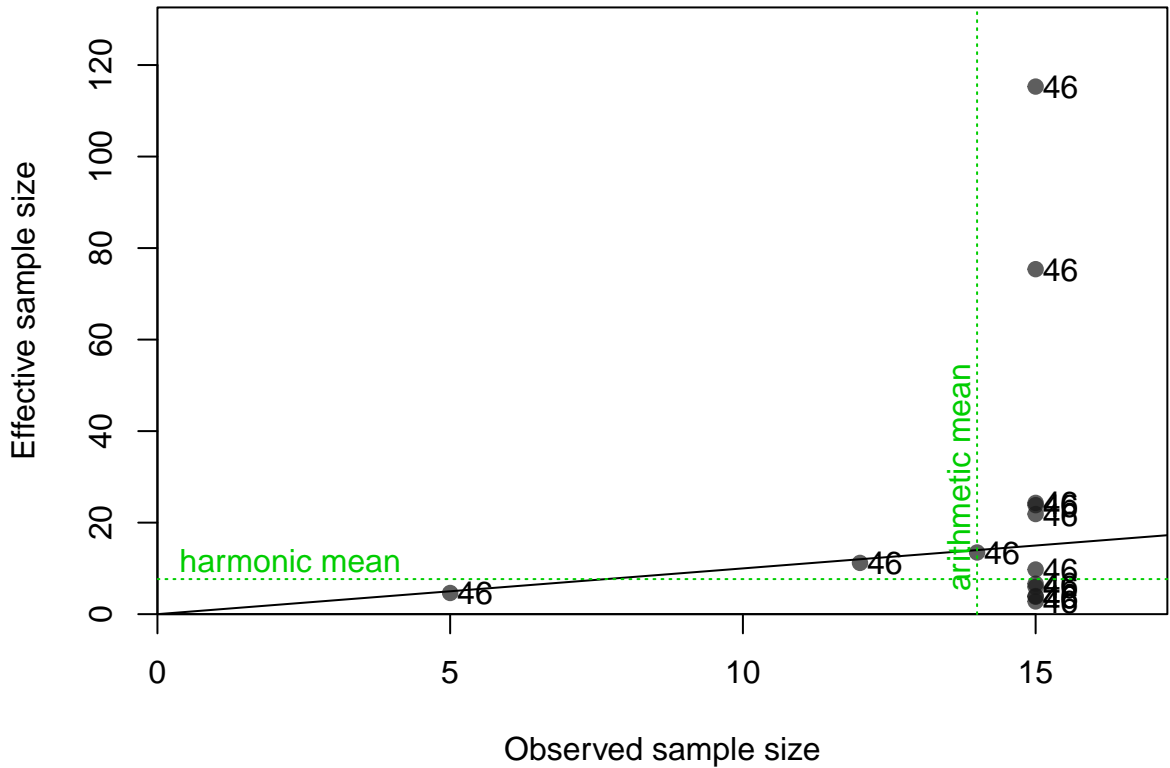


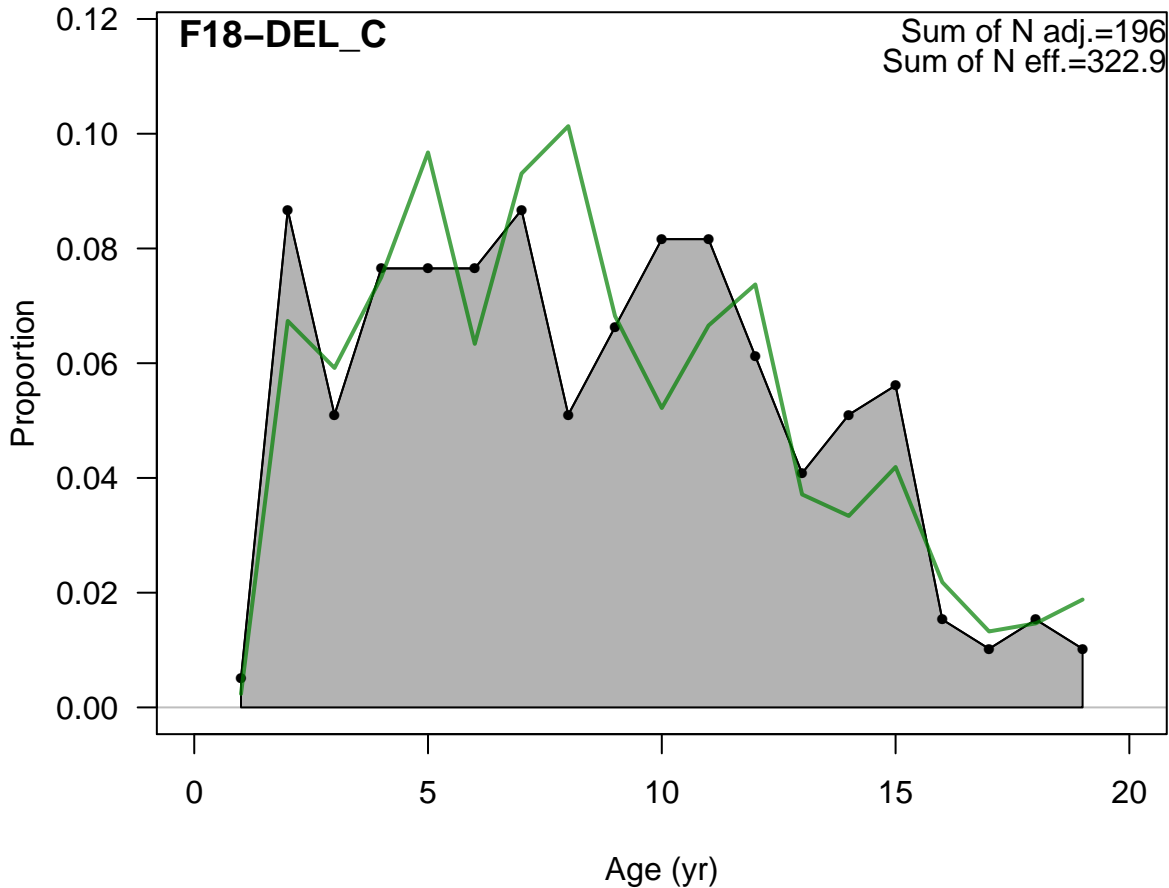


Proportion

Age (yr)







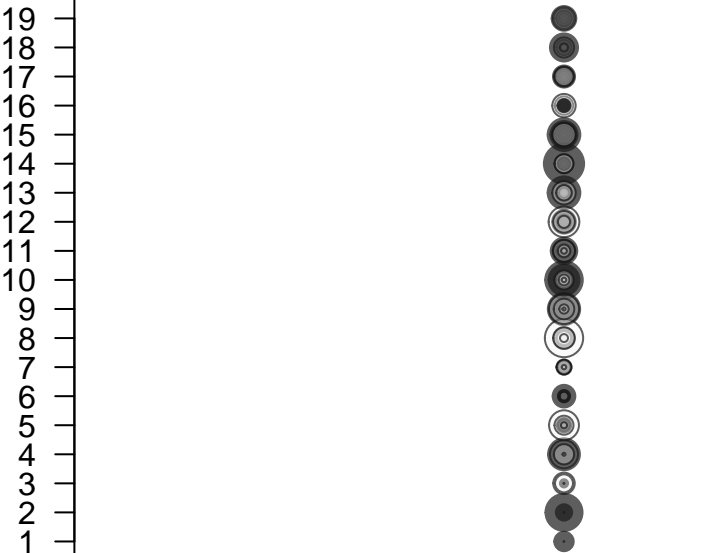
F18-DEL_C

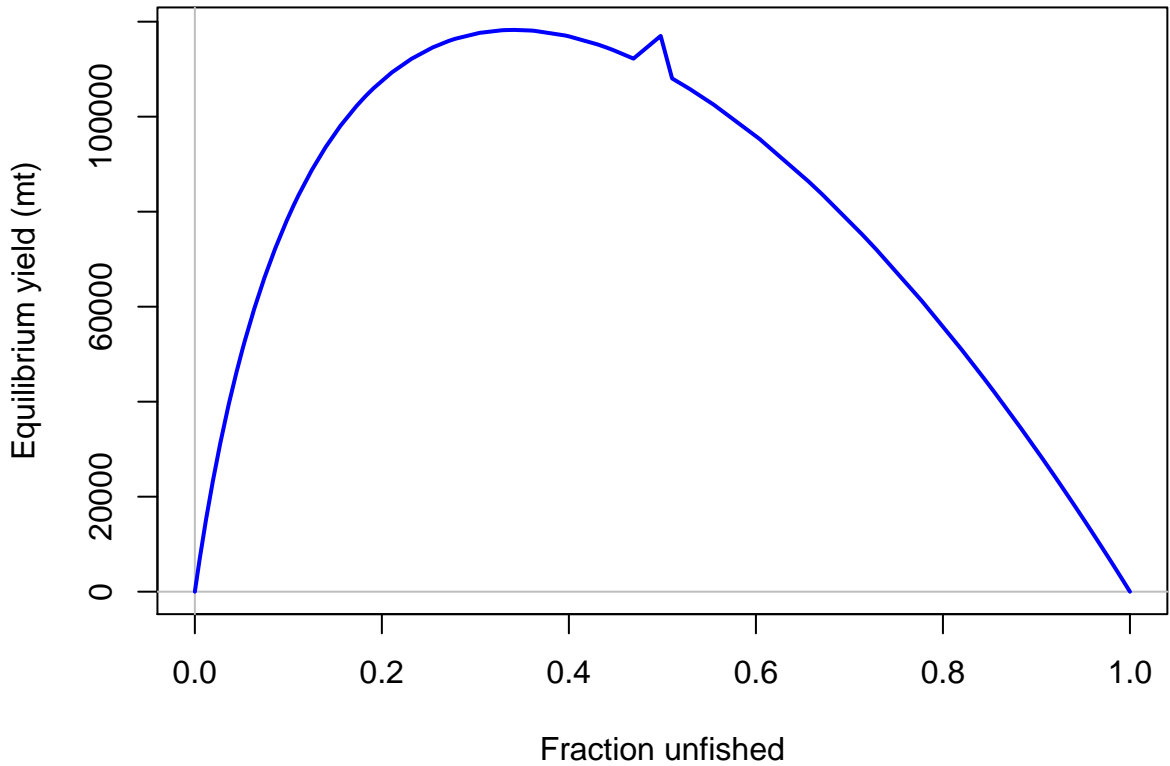
○ -2 • 0.1 ● 2

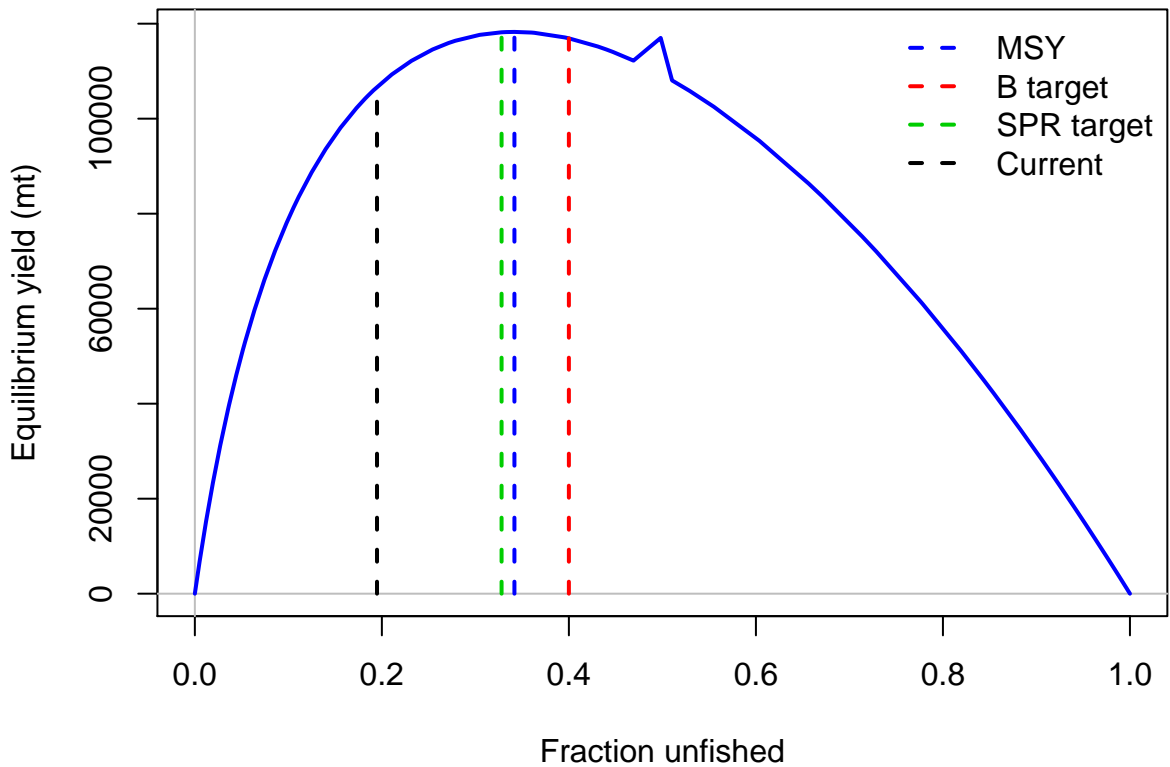
Age (yr)
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

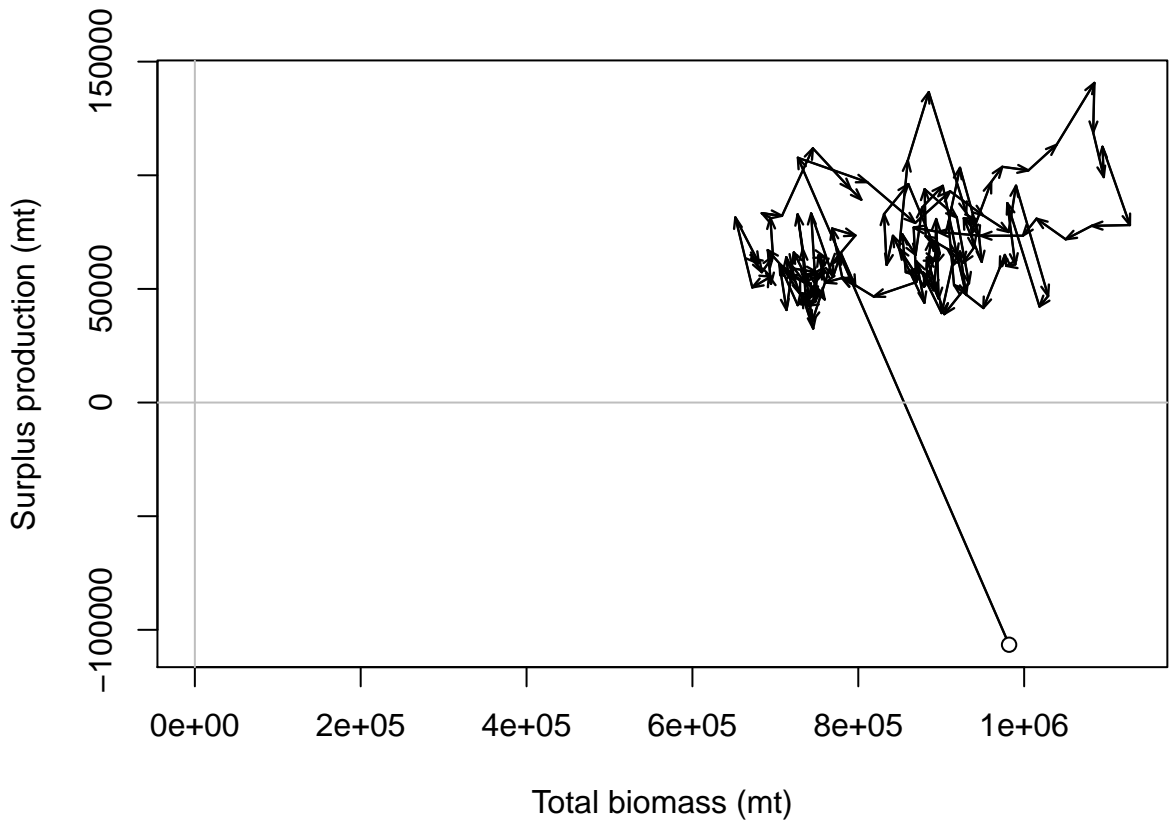
46

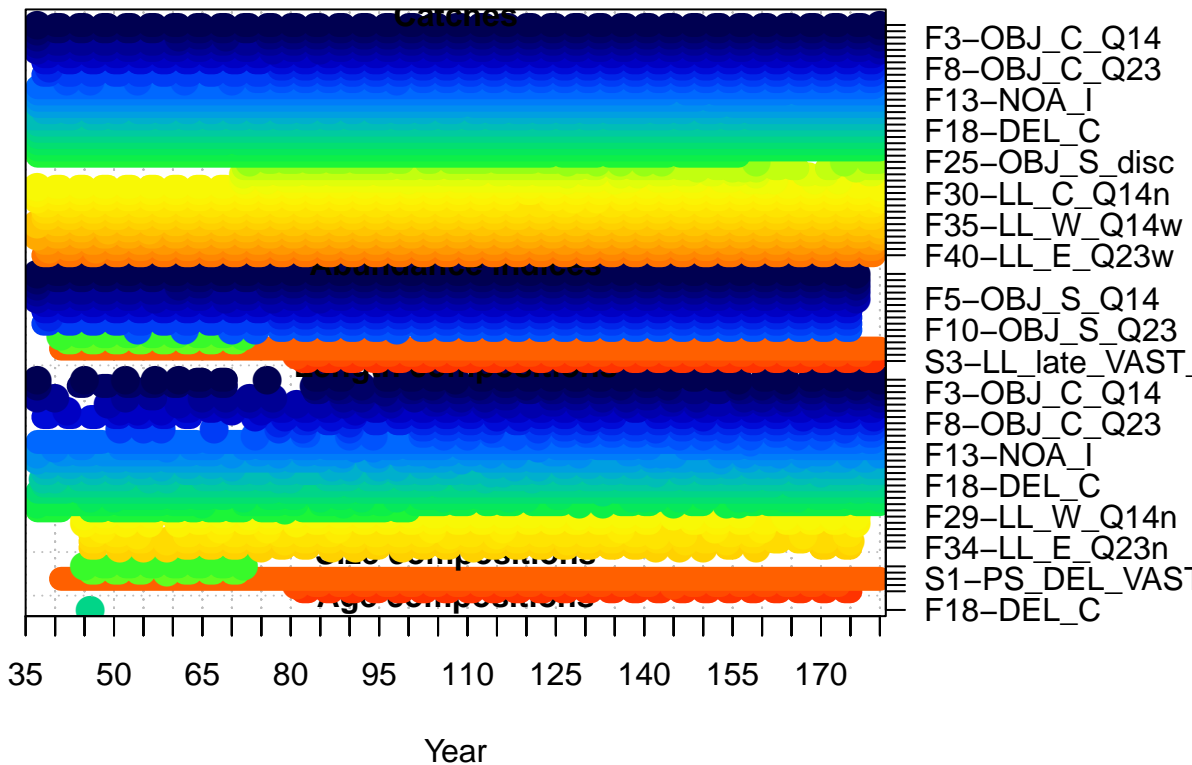
Year

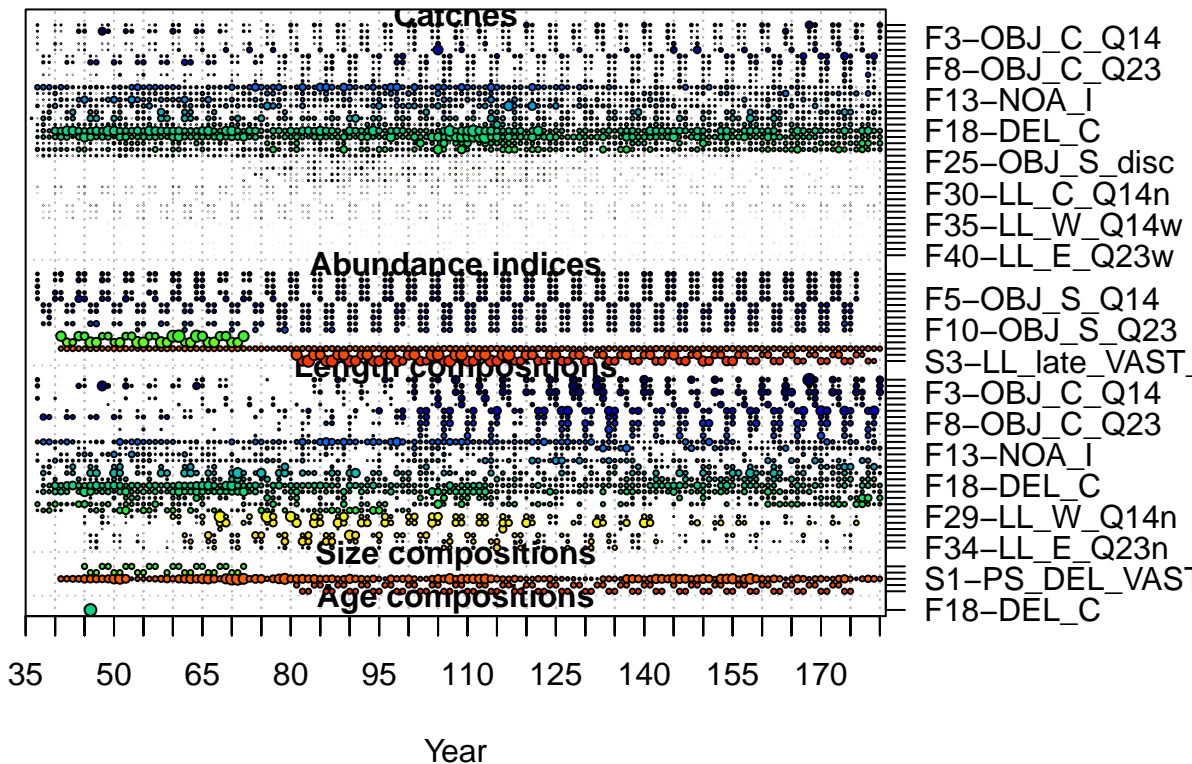


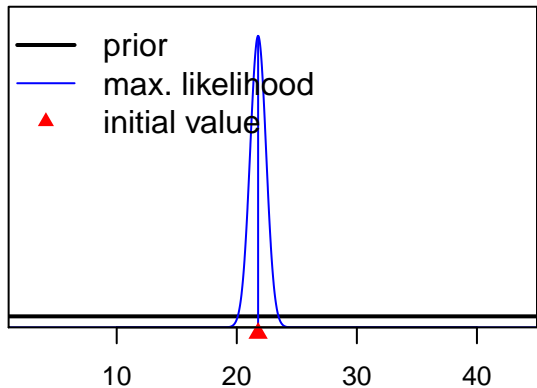
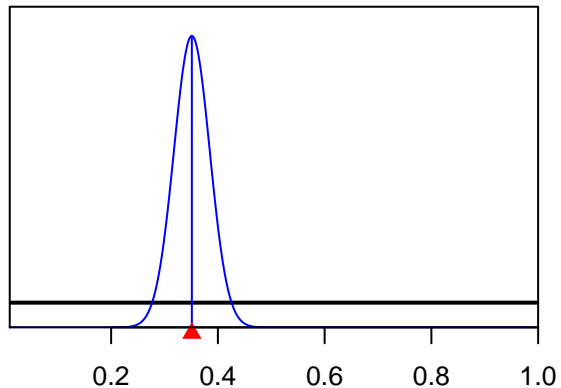
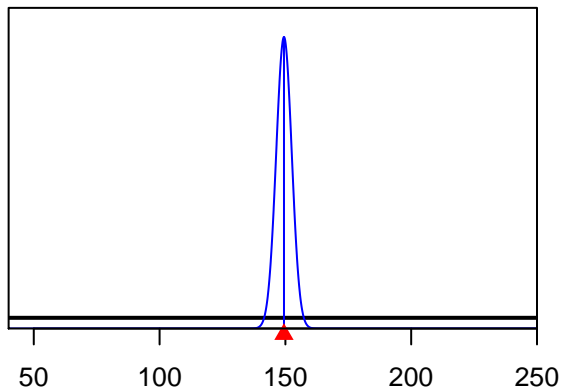
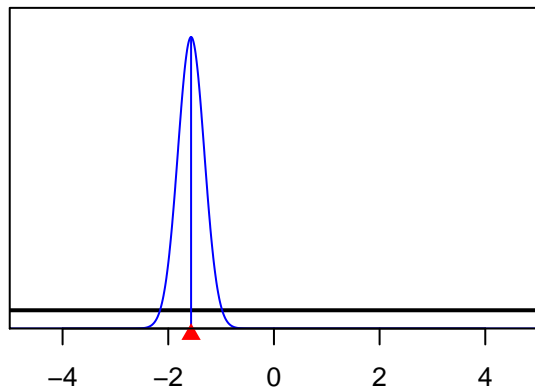






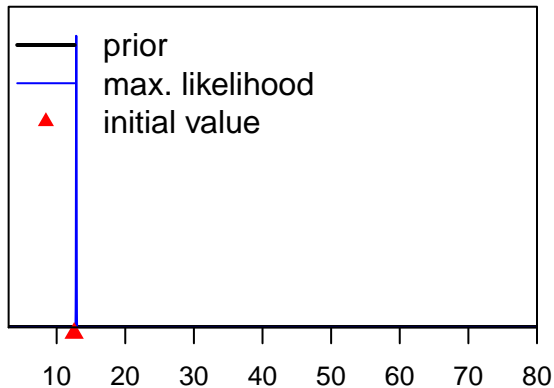




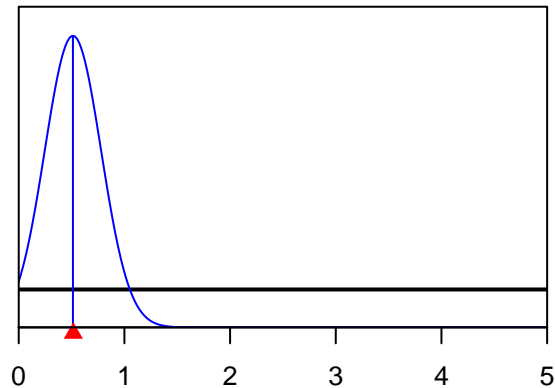
L_at_Amin_Fem_GP_1**VonBert_K_Fem_GP_1****L_at_Amax_Fem_GP_1****Richards_Fem_GP_1**

Parameter value

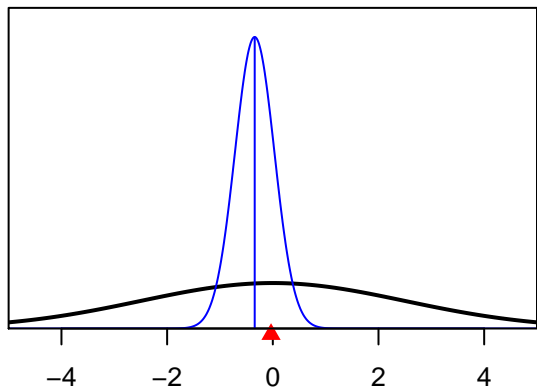
SR_LN(R0)



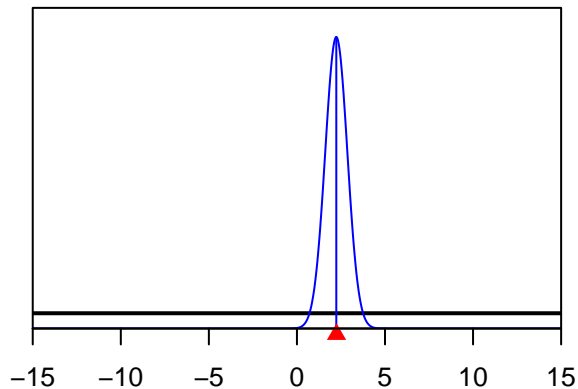
InitF_seas_1flt_16F16-DEL_NE



SR_regime_BLK1add_36

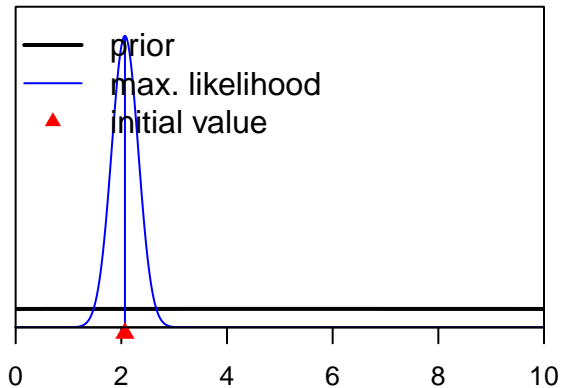


Q_power_S1-PS_DEL_VAST(41)

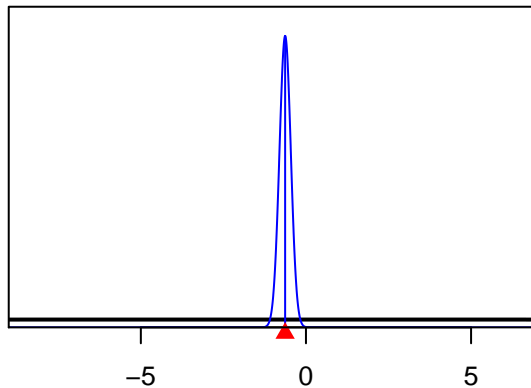


Parameter value

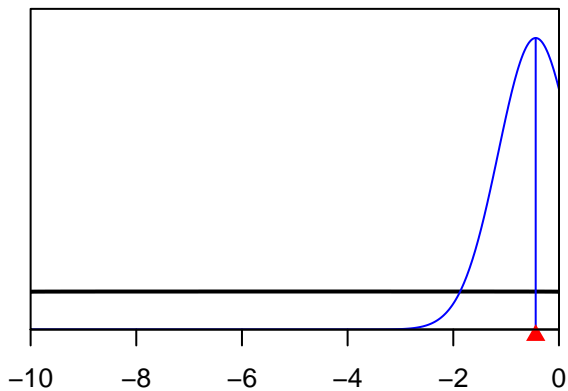
SizeSpline_GradLo_F1-OBJ_N-Q14(1)



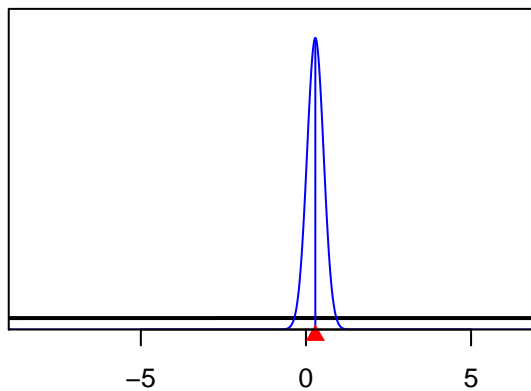
SizeSpline_Val_2_F1-OBJ_N-Q14(1)



SizeSpline_GradHi_F1-OBJ_N-Q14(1)

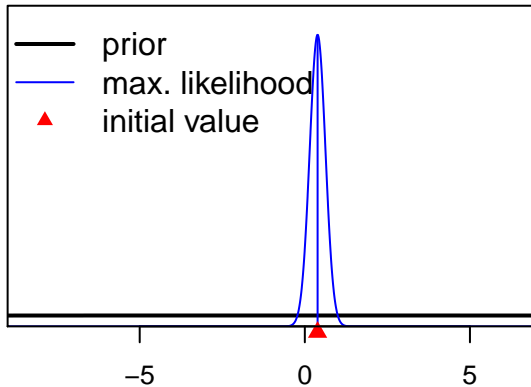


SizeSpline_Val_4_F1-OBJ_N-Q14(1)

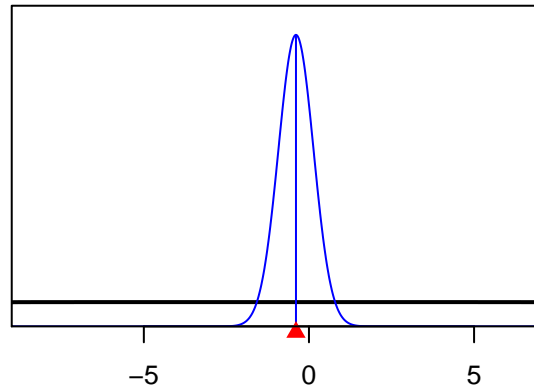


Parameter value

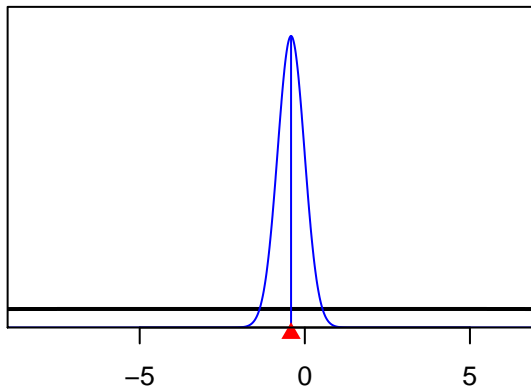
SizeSpline_Val_5_F1-OBJ_N-Q14(1)



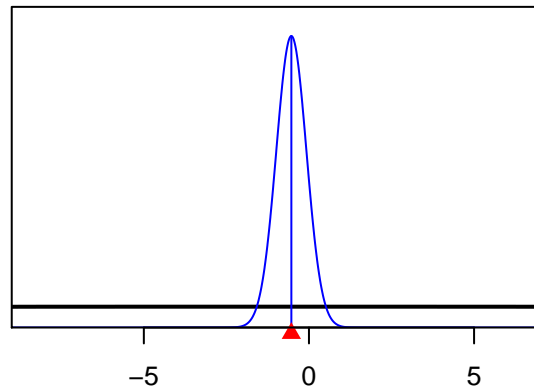
SizeSpline_Val_7_F1-OBJ_N-Q14(1)



SizeSpline_Val_6_F1-OBJ_N-Q14(1)

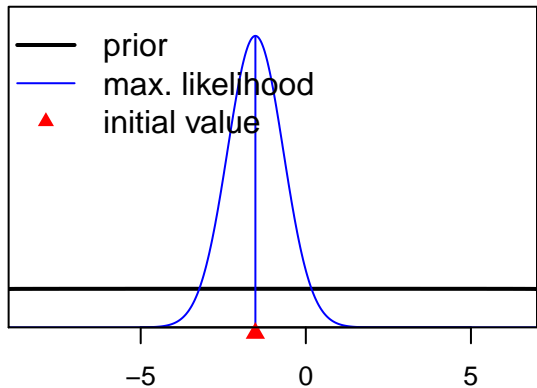


SizeSpline_Val_8_F1-OBJ_N-Q14(1)

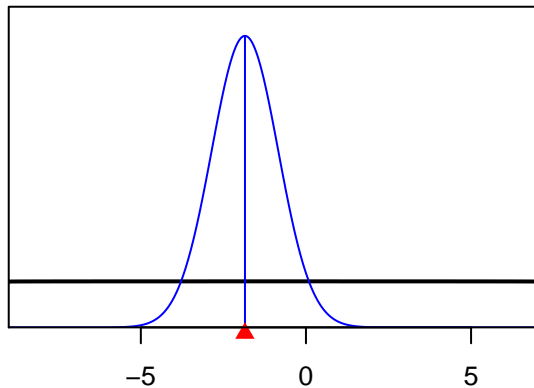


Parameter value

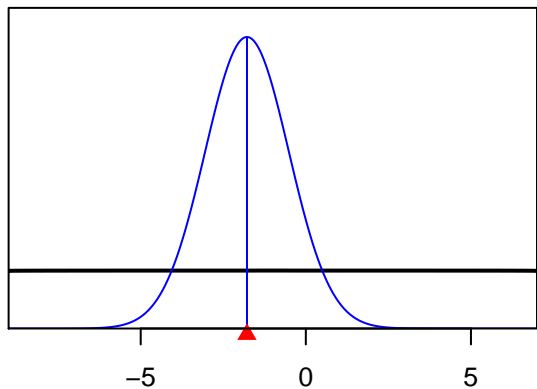
SizeSpline_Val_9_F1-Obj_N-Q14(1)



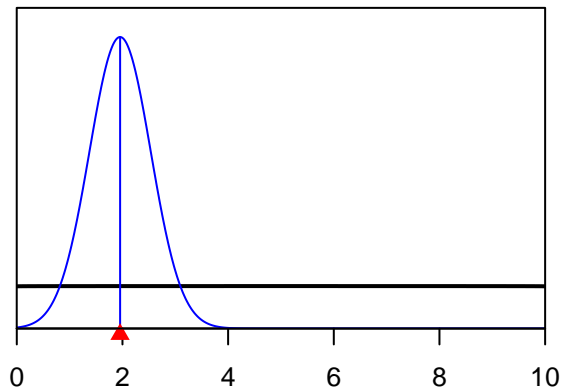
SizeSpline_Val_11_F1-Obj_N-Q14(1)



SizeSpline_Val_10_F1-Obj_N-Q14(1)



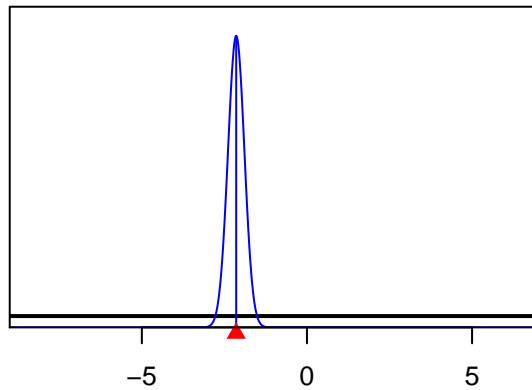
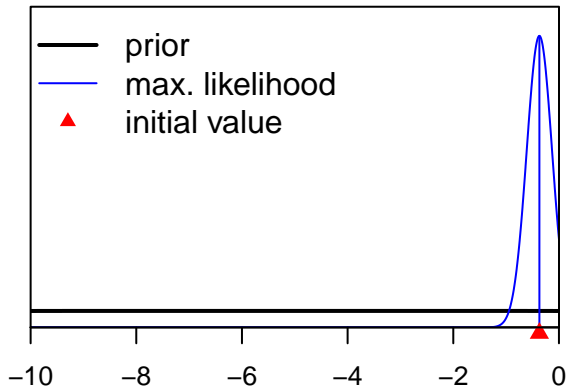
SizeSpline_GradLo_F2-Obj_Nc_Q14(2)



Parameter value

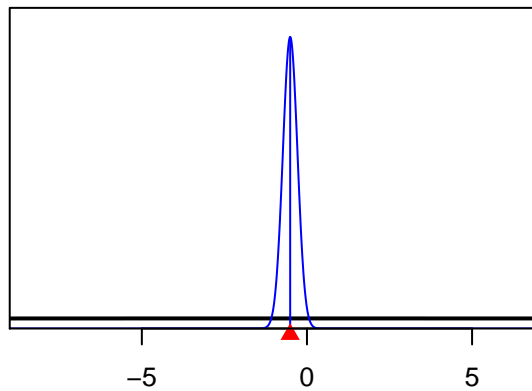
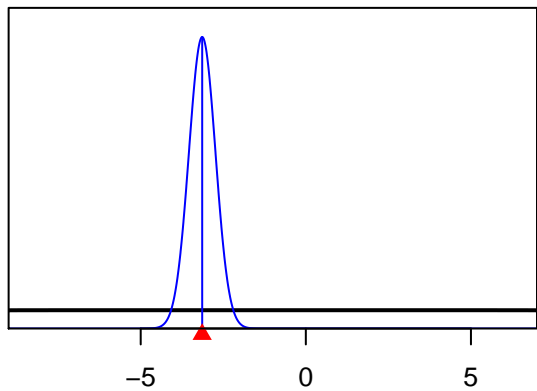
SizeSpline_GradHi_F2-OBJ_Nc_Q14(2)

SizeSpline_Val_3_F2-OBJ_Nc_Q14(2)



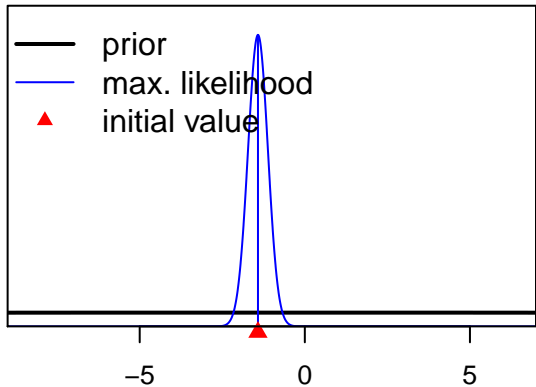
SizeSpline_Val_2_F2-OBJ_Nc_Q14(2)

SizeSpline_Val_5_F2-OBJ_Nc_Q14(2)

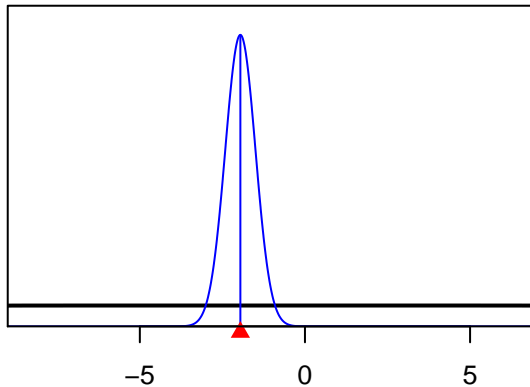


Parameter value

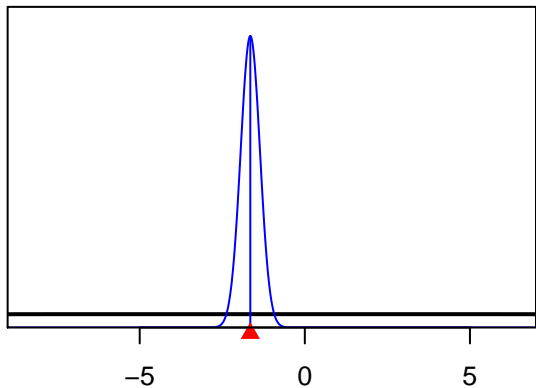
SizeSpline_Val_6_F2-OBJ_Nc_Q14(2)



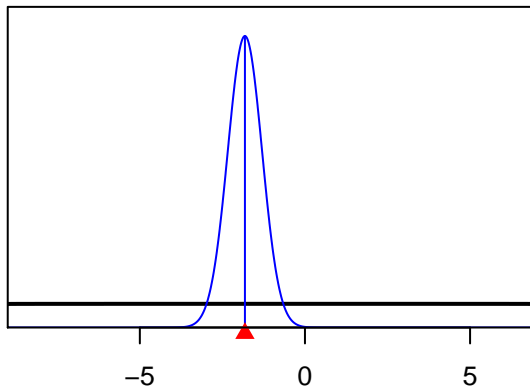
SizeSpline_Val_8_F2-OBJ_Nc_Q14(2)



SizeSpline_Val_7_F2-OBJ_Nc_Q14(2)

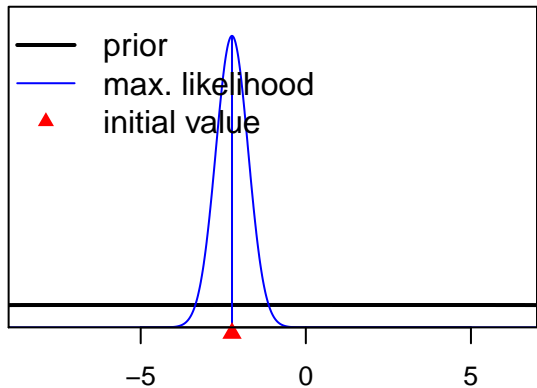


SizeSpline_Val_9_F2-OBJ_Nc_Q14(2)

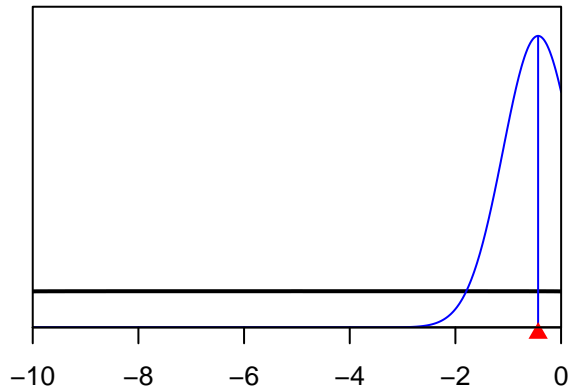


Parameter value

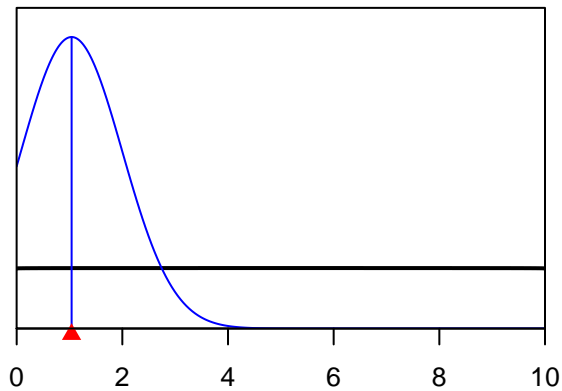
SizeSpline_Val_10_F2-Obj_Nc_Q14(2)



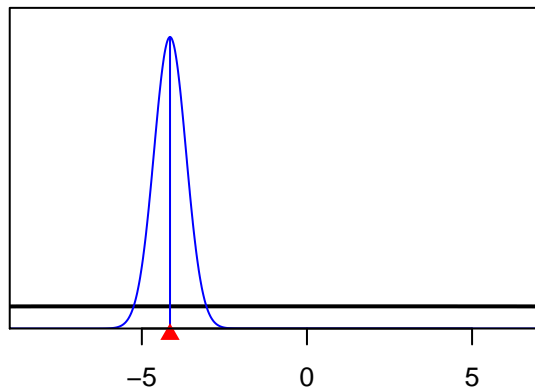
SizeSpline_GradHi_F3-Obj_C_Q14(3)



SizeSpline_GradLo_F3-Obj_C_Q14(3)

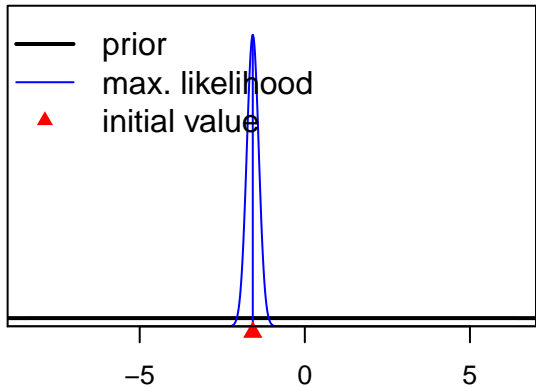


SizeSpline_Val_2_F3-Obj_C_Q14(3)

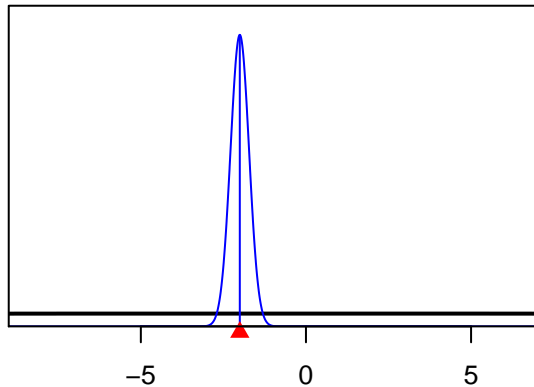


Parameter value

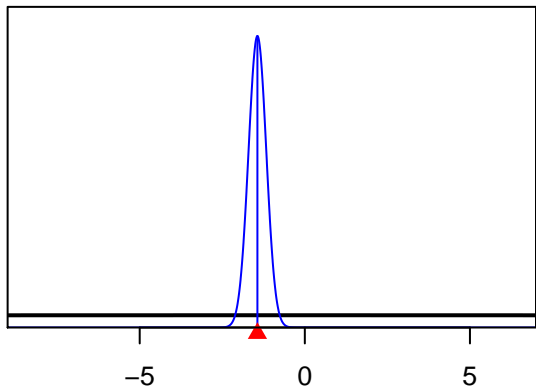
SizeSpline_Val_4_F3-Obj_C_Q14(3)



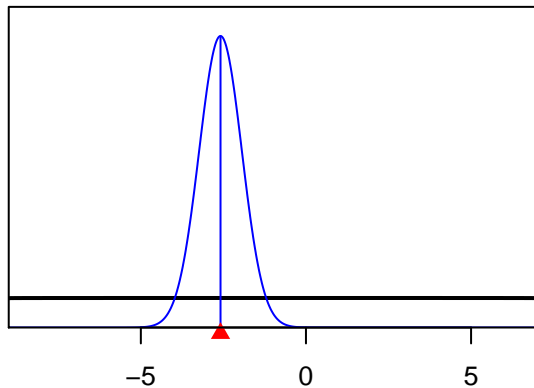
SizeSpline_Val_6_F3-Obj_C_Q14(3)



SizeSpline_Val_5_F3-Obj_C_Q14(3)

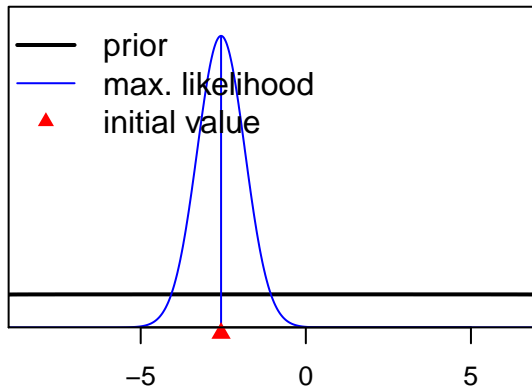


SizeSpline_Val_7_F3-Obj_C_Q14(3)

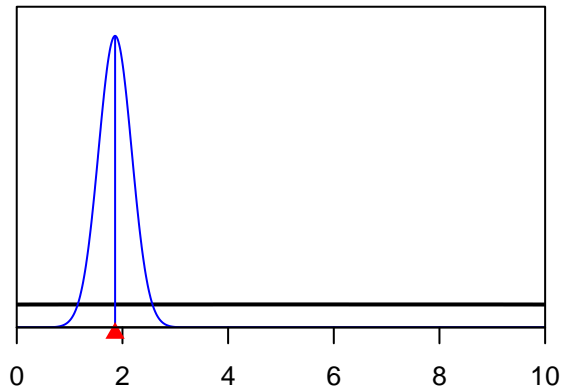


Parameter value

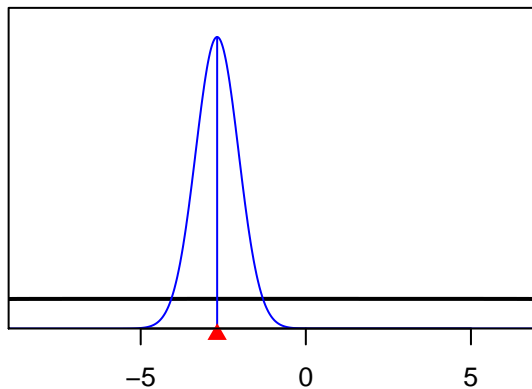
SizeSpline_Val_8_F3-Obj_C_Q14(3)



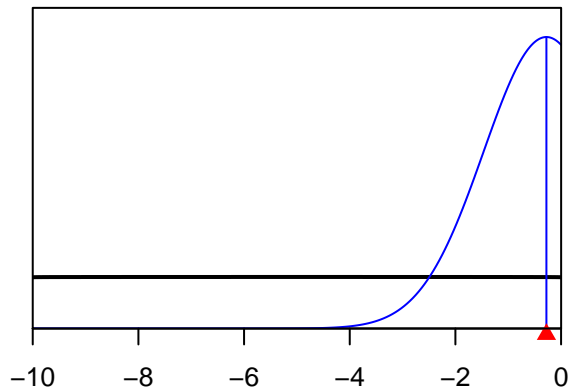
SizeSpline_GradLo_F4-Obj_Cc_Q14(4)



SizeSpline_Val_9_F3-Obj_C_Q14(3)

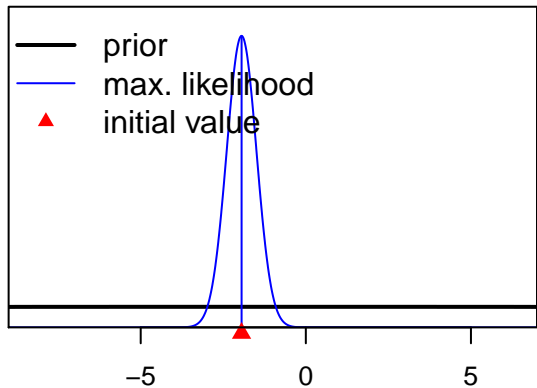


SizeSpline_GradHi_F4-Obj_Cc_Q14(4)

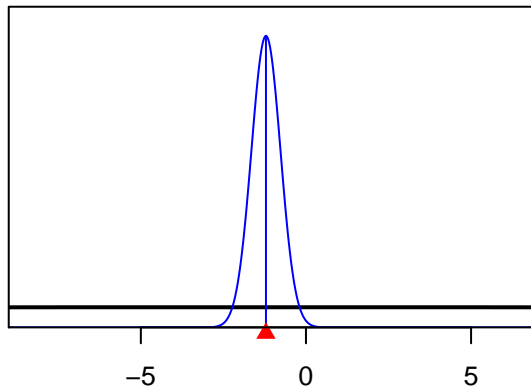


Parameter value

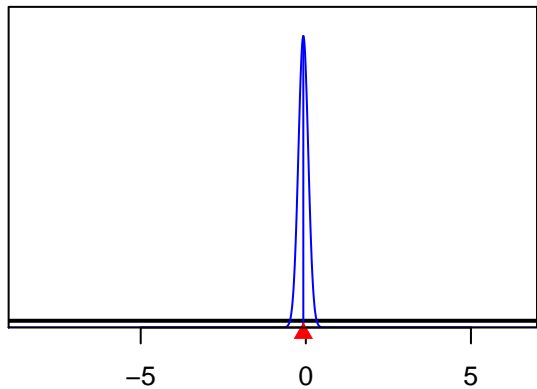
SizeSpline_Val_2_F4-Obj_Cc_Q14(4)



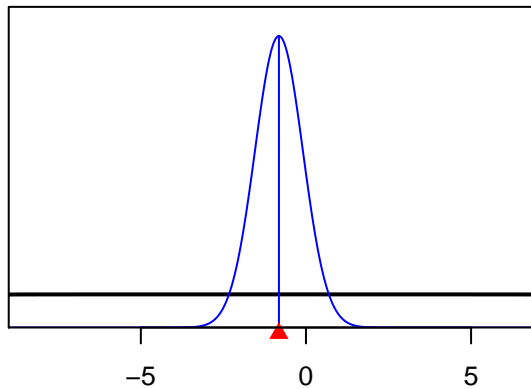
SizeSpline_Val_5_F4-Obj_Cc_Q14(4)



SizeSpline_Val_4_F4-Obj_Cc_Q14(4)

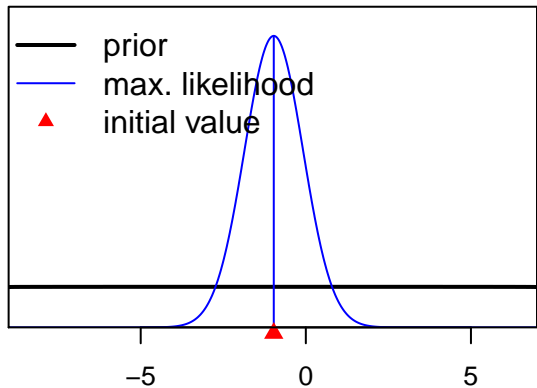


SizeSpline_Val_6_F4-Obj_Cc_Q14(4)

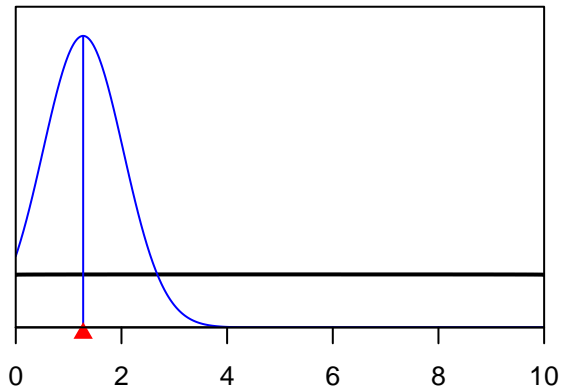


Parameter value

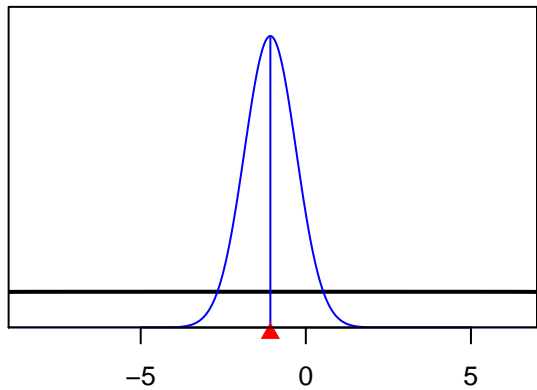
SizeSpline_Val_7_F4-Obj_Cc_Q14(4)



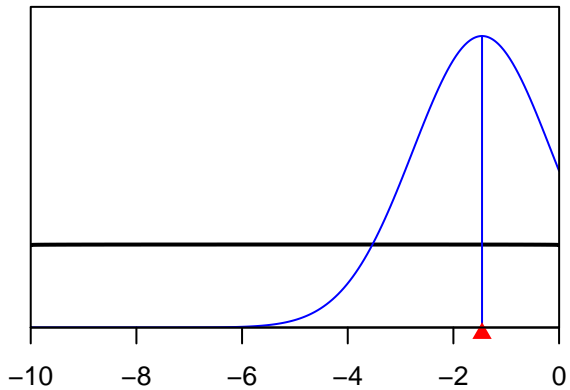
SizeSpline_GradLo_F5-Obj_S_Q14(5)



SizeSpline_Val_8_F4-Obj_Cc_Q14(4)

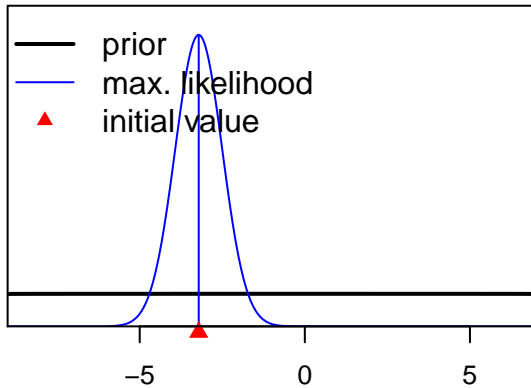


SizeSpline_GradHi_F5-Obj_S_Q14(5)

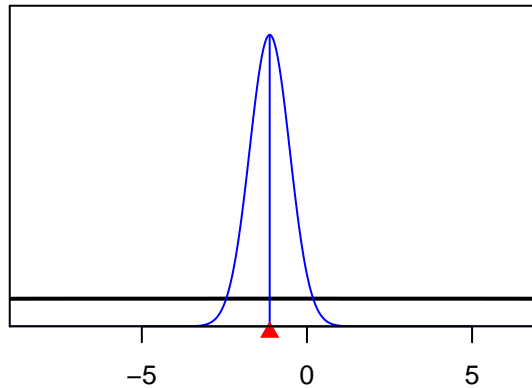


Parameter value

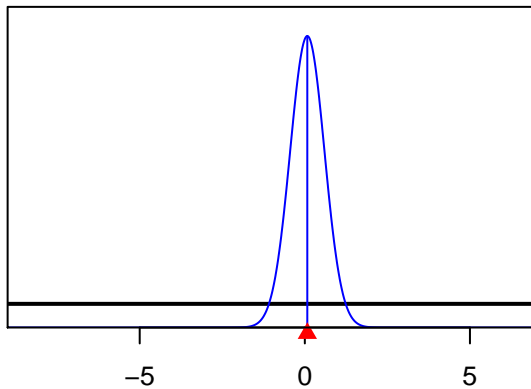
SizeSpline_Val_2_F5-Obj_S_Q14(5)



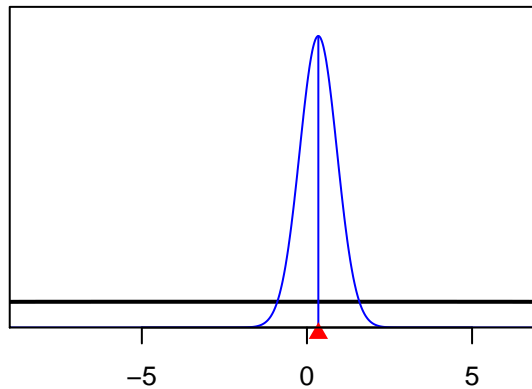
SizeSpline_Val_4_F5-Obj_S_Q14(5)



SizeSpline_Val_3_F5-Obj_S_Q14(5)

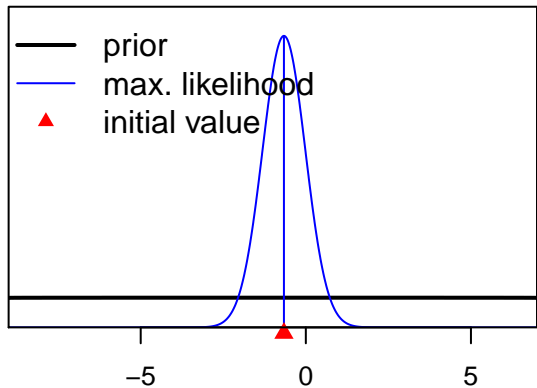


SizeSpline_Val_5_F5-Obj_S_Q14(5)

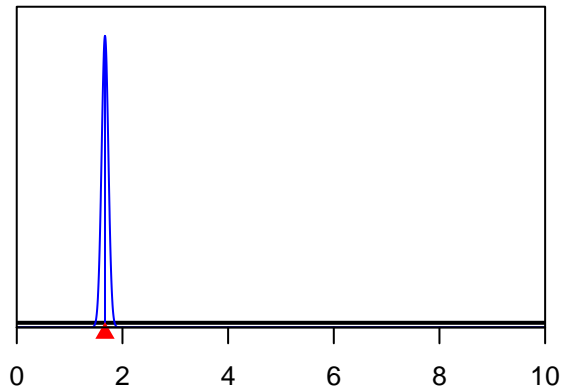


Parameter value

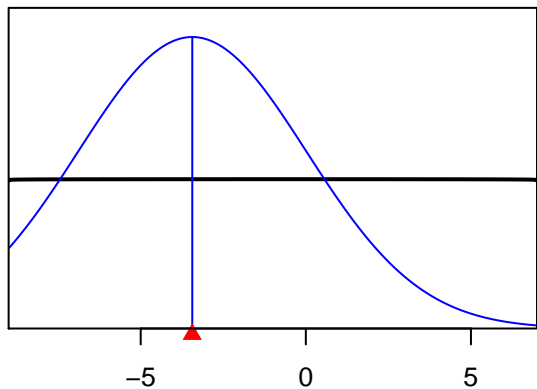
SizeSpline_Val_6_F5-Obj_S_Q14(5)



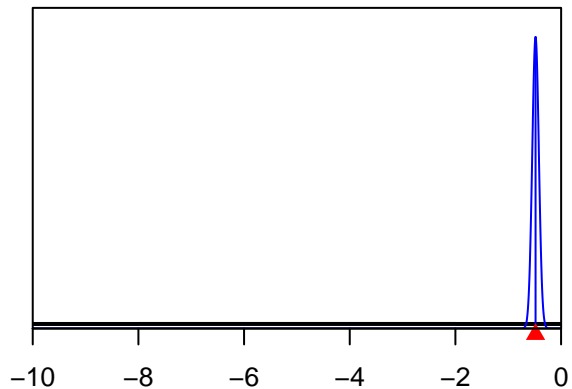
SizeSpline_GradLo_F6-Obj_N_Q23(6)



SizeSpline_Val_8_F5-Obj_S_Q14(5)

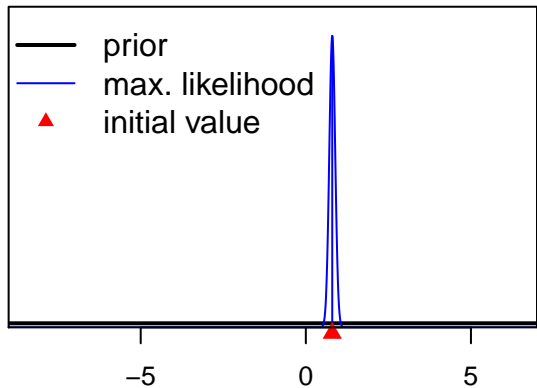


SizeSpline_GradHi_F6-Obj_N_Q23(6)

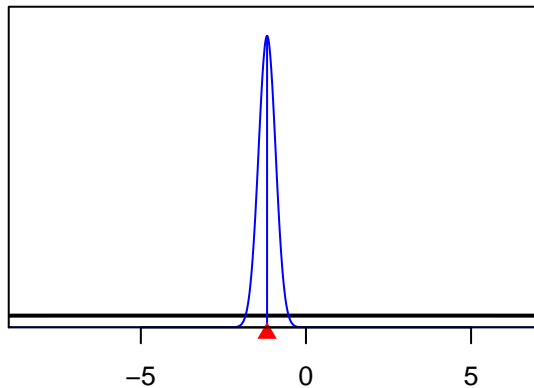


Parameter value

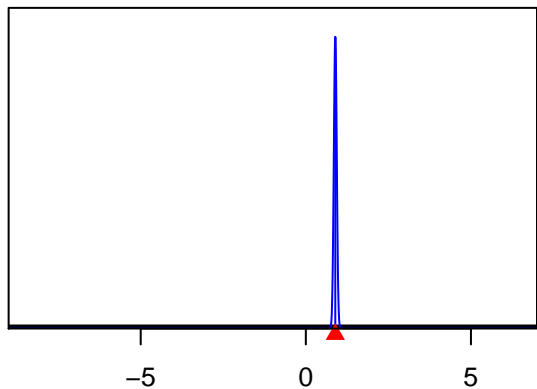
SizeSpline_Val_2_F6-Obj_N_Q23(6)



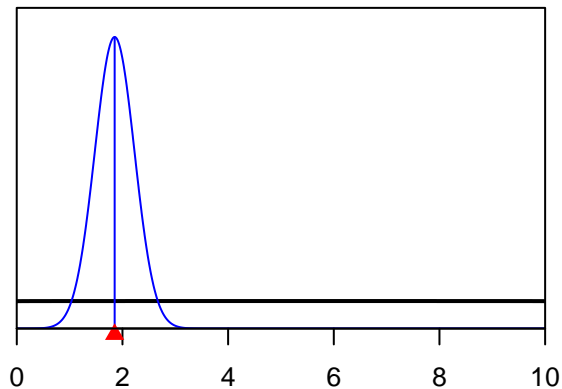
SizeSpline_Val_5_F6-Obj_N_Q23(6)



SizeSpline_Val_4_F6-Obj_N_Q23(6)



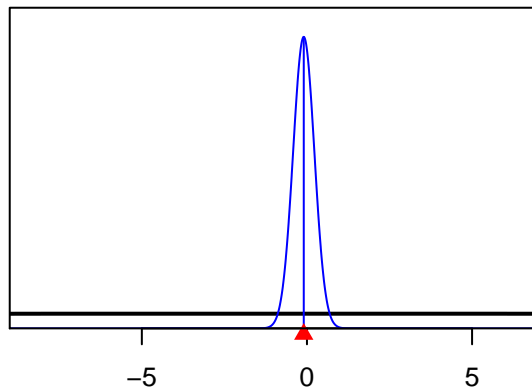
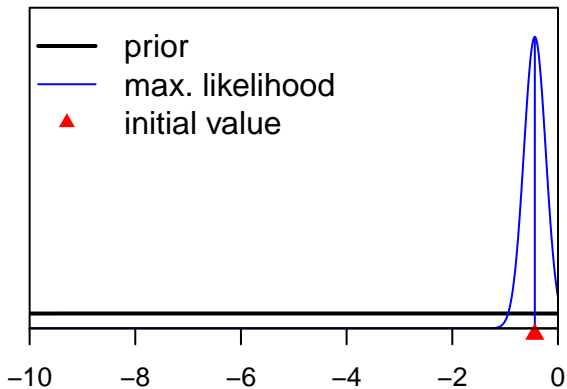
SizeSpline_GradLo_F7-Obj_Nc_Q23(7)



Parameter value

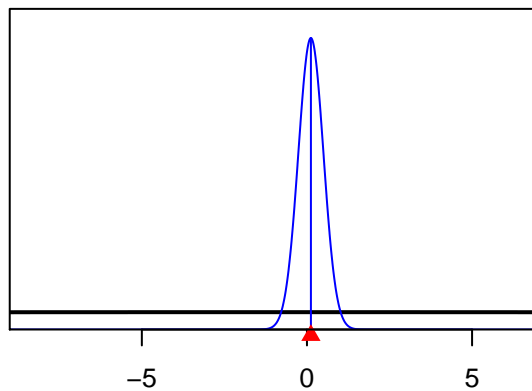
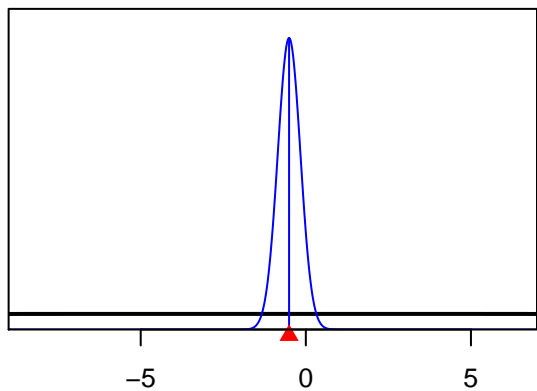
SizeSpline_GradHi_F7-OBJ_Nc_Q23(7)

SizeSpline_Val_4_F7-OBJ_Nc_Q23(7)



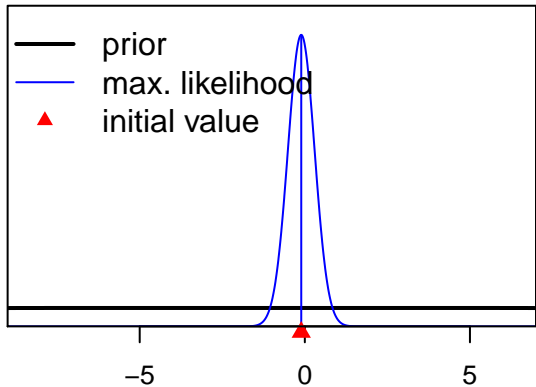
SizeSpline_Val_2_F7-OBJ_Nc_Q23(7)

SizeSpline_Val_5_F7-OBJ_Nc_Q23(7)

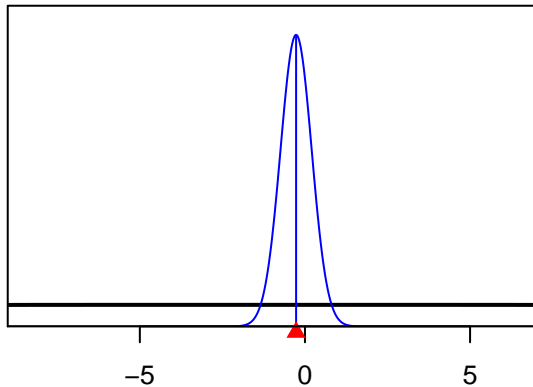


Parameter value

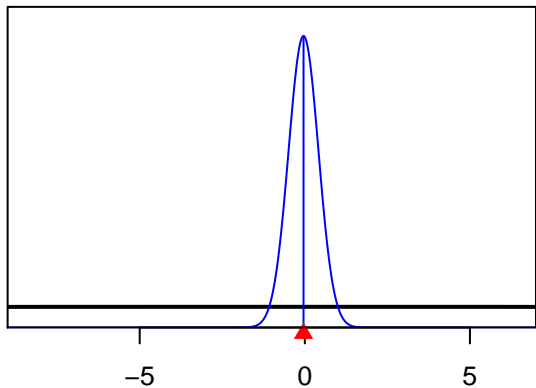
SizeSpline_Val_6_F7-OBJ_Nc_Q23(7)



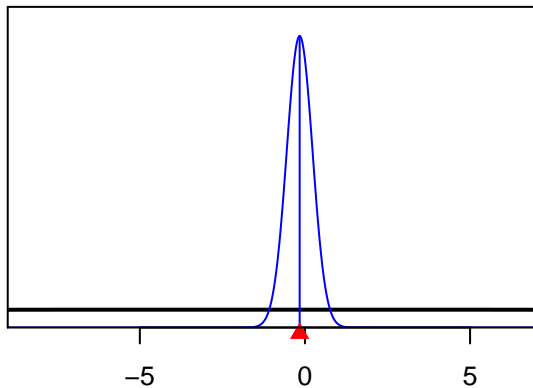
SizeSpline_Val_8_F7-OBJ_Nc_Q23(7)



SizeSpline_Val_7_F7-OBJ_Nc_Q23(7)

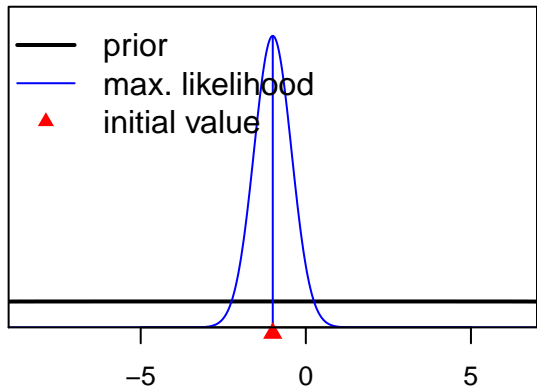


SizeSpline_Val_9_F7-OBJ_Nc_Q23(7)

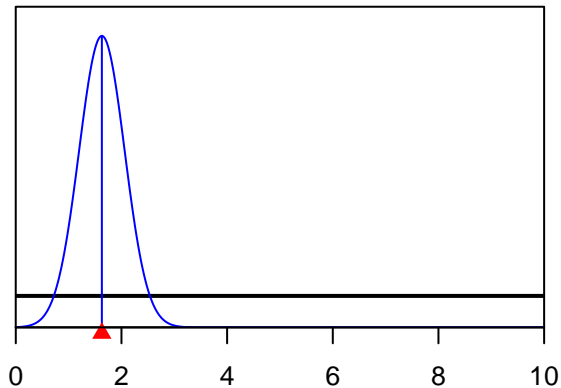


Parameter value

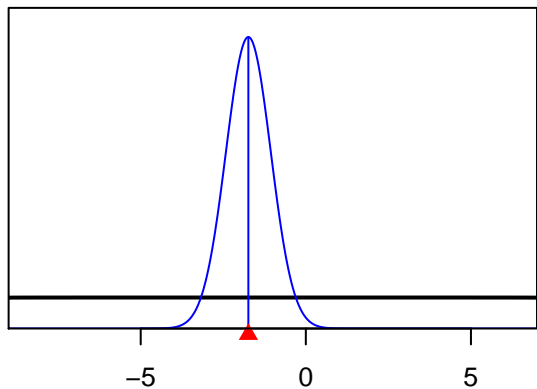
SizeSpline_Val_10_F7-Obj_Nc_Q23(7)



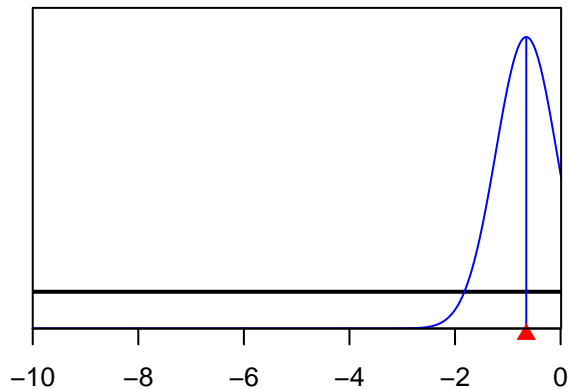
SizeSpline_GradLo_F8-Obj_C_Q23(8)



SizeSpline_Val_11_F7-Obj_Nc_Q23(7)

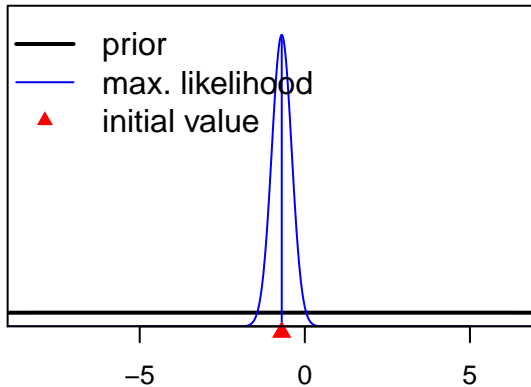


SizeSpline_GradHi_F8-Obj_C_Q23(8)

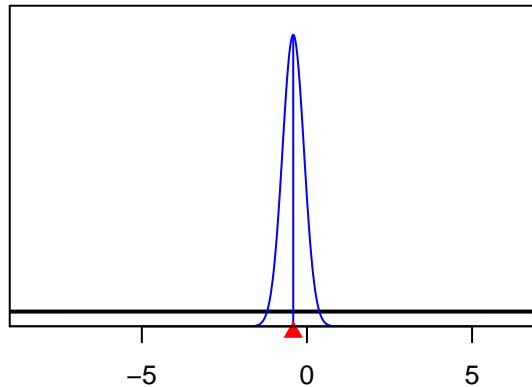


Parameter value

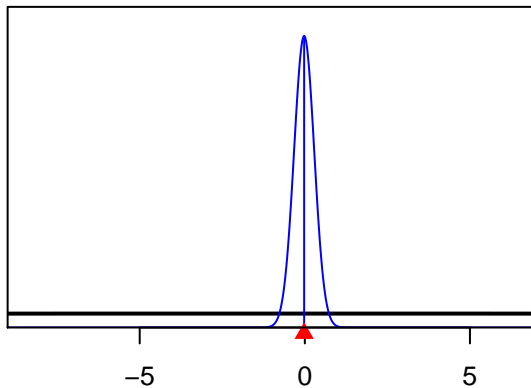
SizeSpline_Val_2_F8-Obj_C_Q23(8)



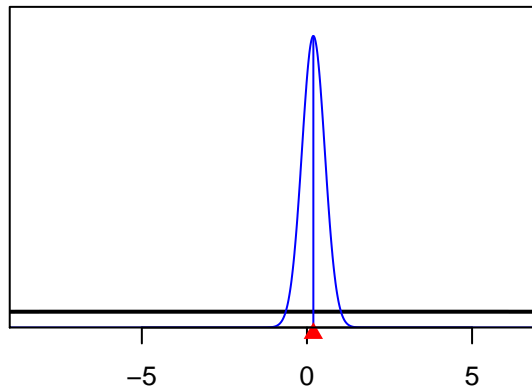
SizeSpline_Val_4_F8-Obj_C_Q23(8)



SizeSpline_Val_3_F8-Obj_C_Q23(8)

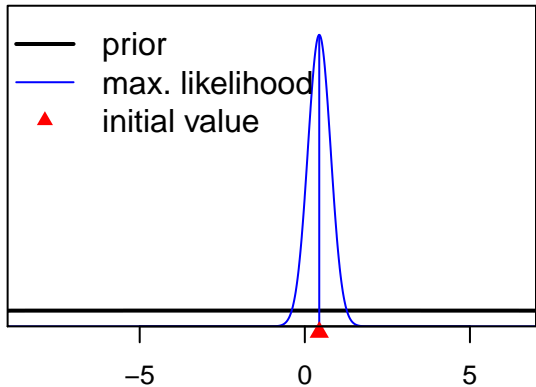


SizeSpline_Val_6_F8-Obj_C_Q23(8)

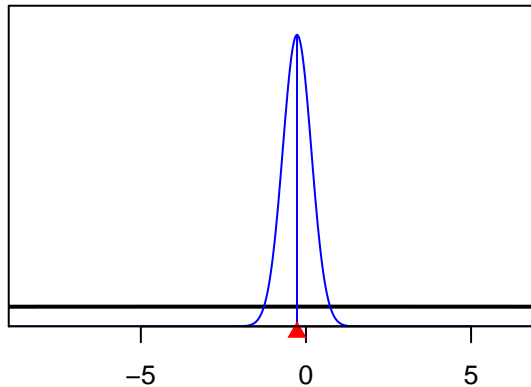


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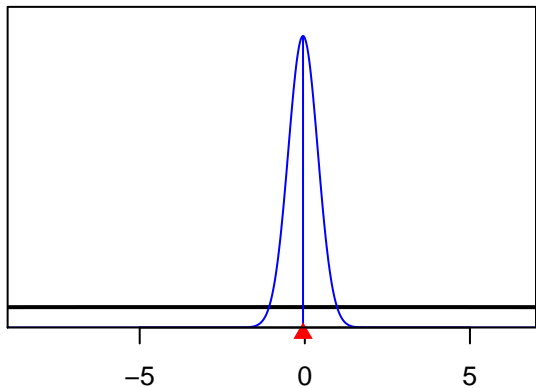
SizeSpline_Val_7_F8-Obj_C_Q23(8)



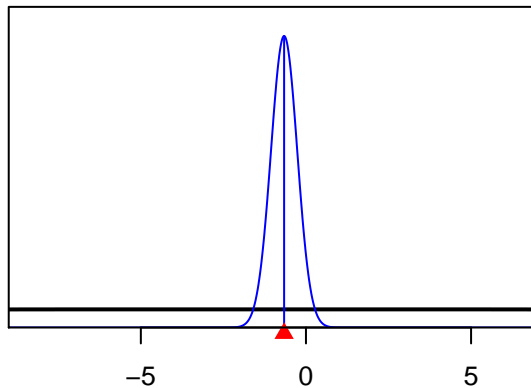
SizeSpline_Val_9_F8-Obj_C_Q23(8)



SizeSpline_Val_8_F8-Obj_C_Q23(8)

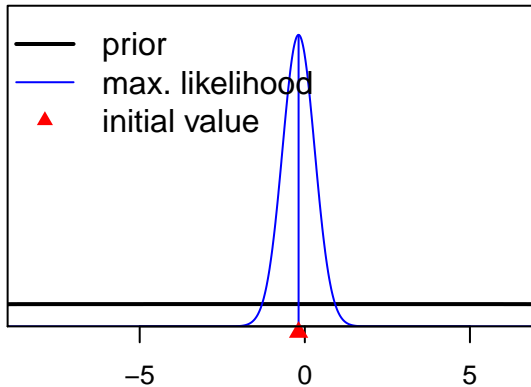


SizeSpline_Val_10_F8-Obj_C_Q23(8)

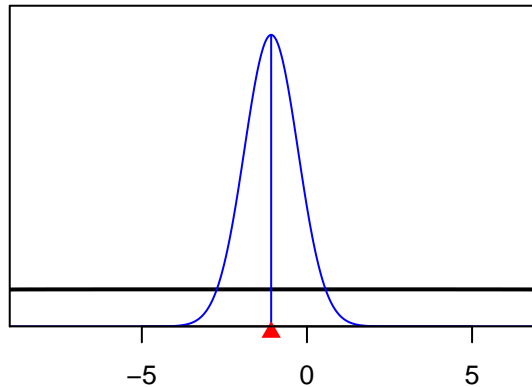


Parameter value

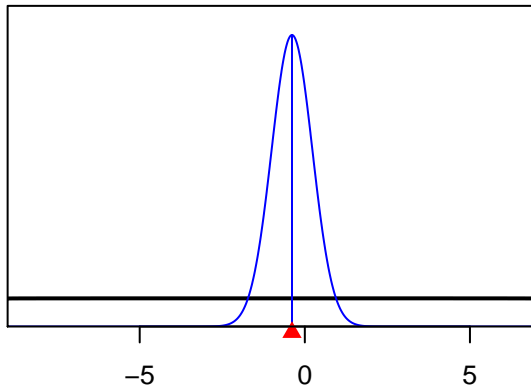
SizeSpline_Val_11_F8-OBJ_C_Q23(8)



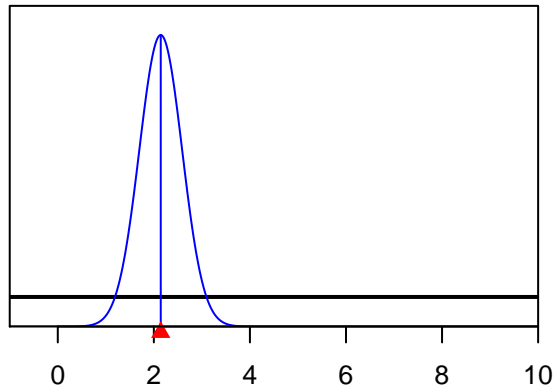
SizeSpline_Val_13_F8-OBJ_C_Q23(8)



SizeSpline_Val_12_F8-OBJ_C_Q23(8)



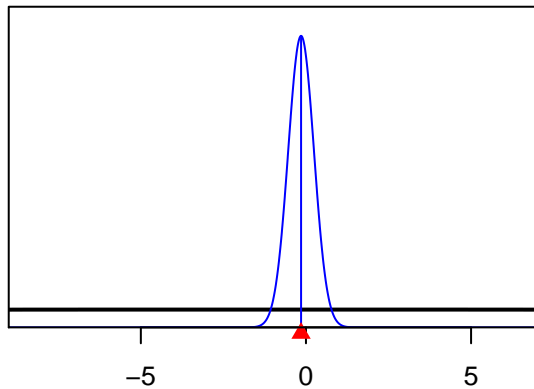
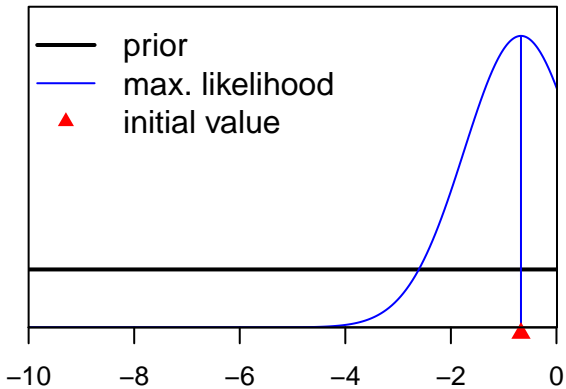
SizeSpline_GradLo_F9-OBJ_Cc_Q23(9)



Parameter value

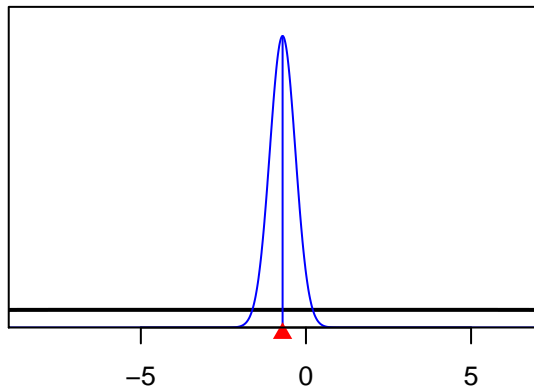
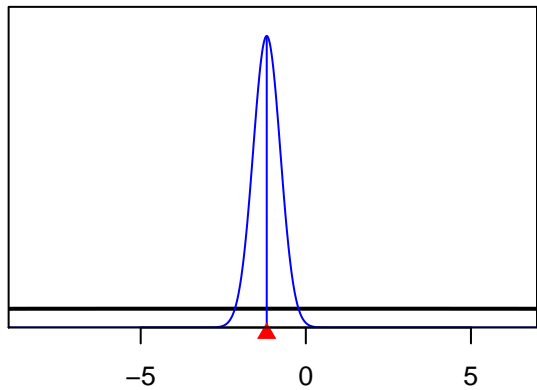
SizeSpline_GradHi_F9-Obj_Cc_Q23(9)

SizeSpline_Val_3_F9-Obj_Cc_Q23(9)



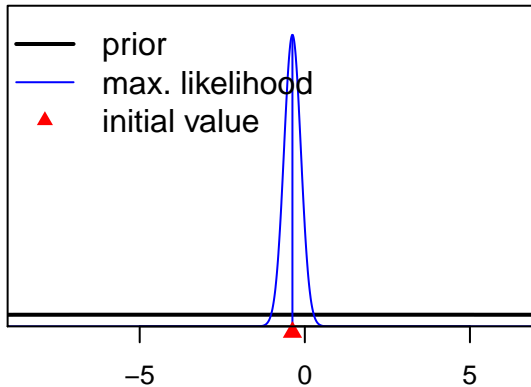
SizeSpline_Val_2_F9-Obj_Cc_Q23(9)

SizeSpline_Val_4_F9-Obj_Cc_Q23(9)

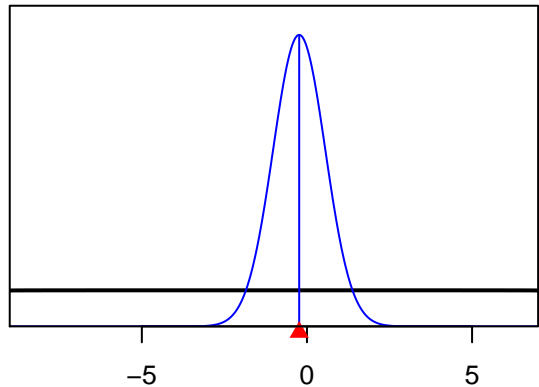


Parameter value

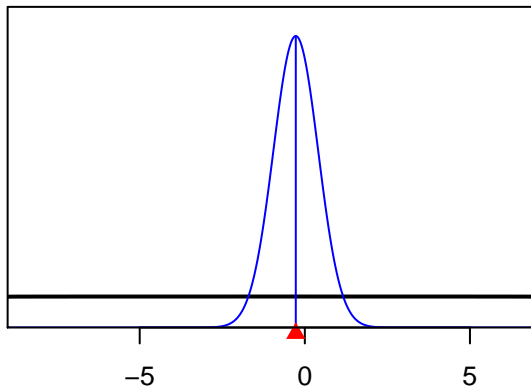
SizeSpline_Val_6_F9-Obj_Cc_Q23(9)



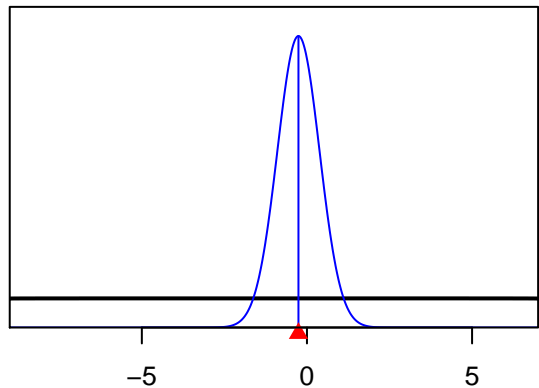
SizeSpline_Val_8_F9-Obj_Cc_Q23(9)



SizeSpline_Val_7_F9-Obj_Cc_Q23(9)

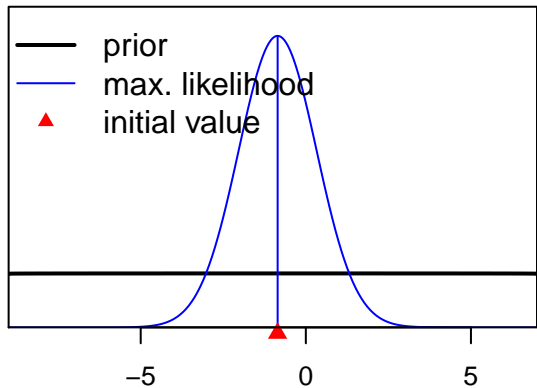


SizeSpline_Val_9_F9-Obj_Cc_Q23(9)

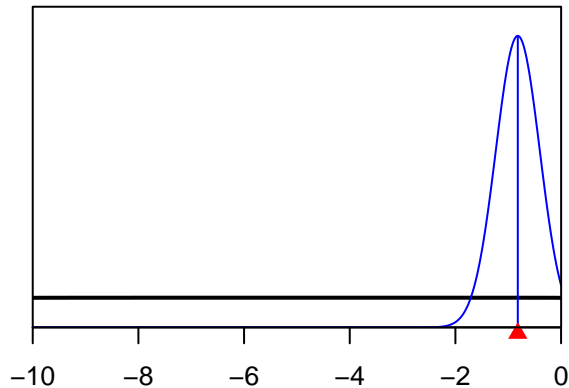


Parameter value

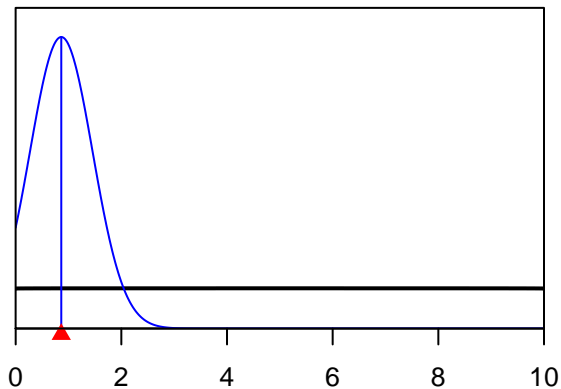
SizeSpline_Val_10_F9-Obj_Cc_Q23(9)



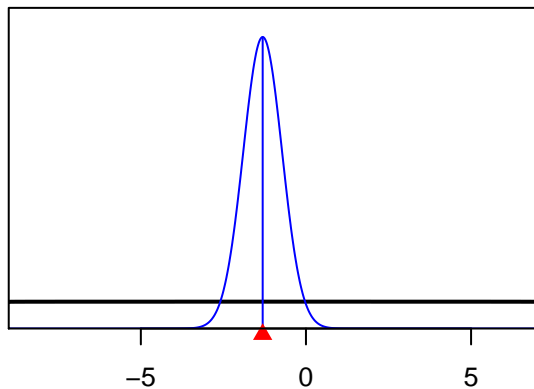
SizeSpline_GradHi_F10-Obj_S_Q23(10)



SizeSpline_GradLo_F10-Obj_S_Q23(10)

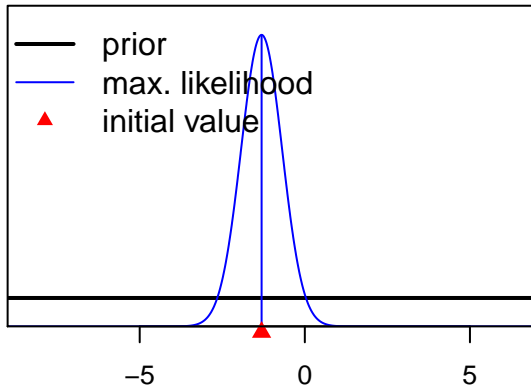


SizeSpline_Val_2_F10-Obj_S_Q23(10)

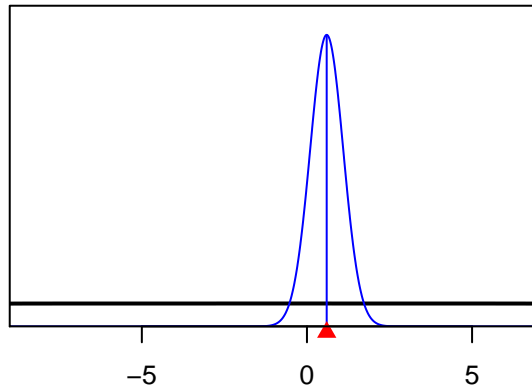


Parameter value

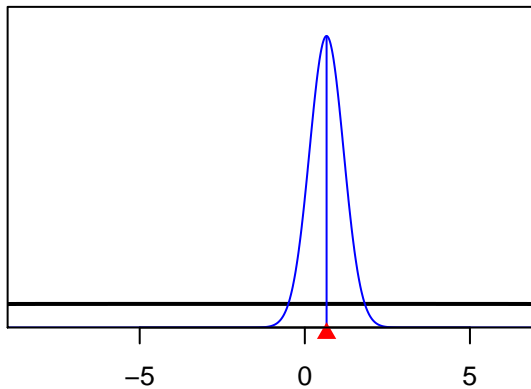
SizeSpline_Val_3_F10-Obj_S_Q23(10)



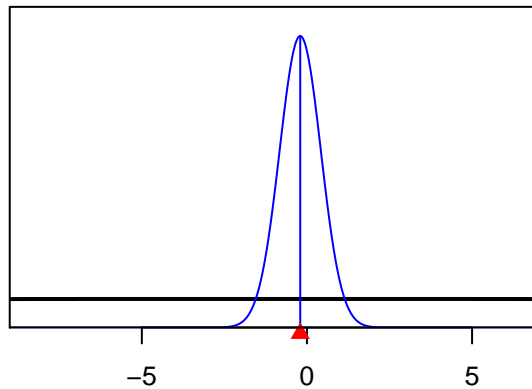
SizeSpline_Val_5_F10-Obj_S_Q23(10)



SizeSpline_Val_4_F10-Obj_S_Q23(10)

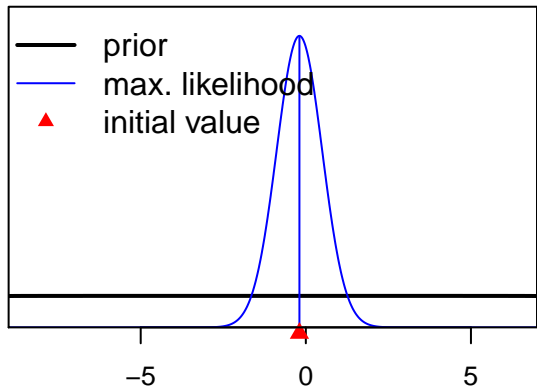


SizeSpline_Val_6_F10-Obj_S_Q23(10)

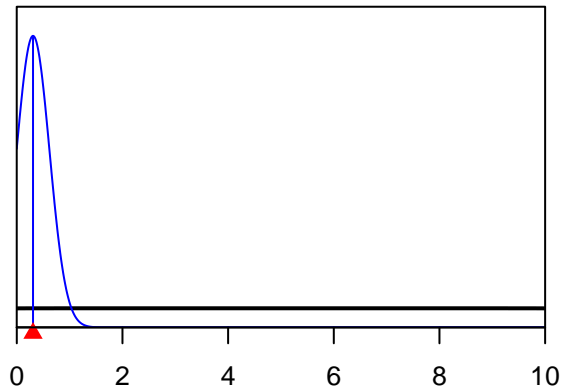


Parameter value

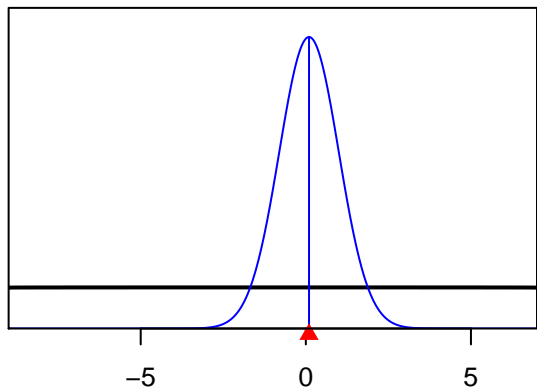
SizeSpline_Val_7_F10-Obj_S_Q23(10)



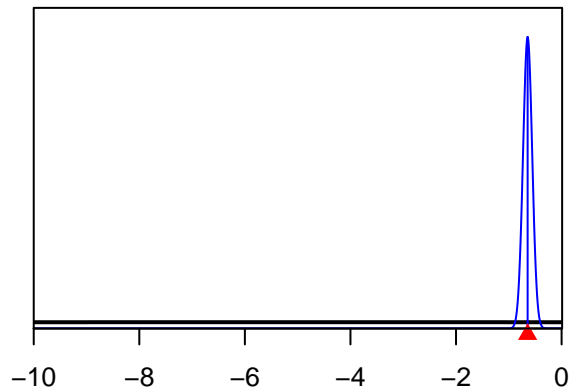
SizeSpline_GradLo_F11-NOA_N(11)



SizeSpline_Val_9_F10-Obj_S_Q23(10)

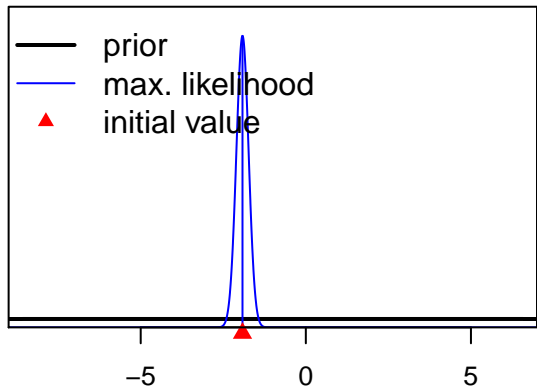


SizeSpline_GradHi_F11-NOA_N(11)

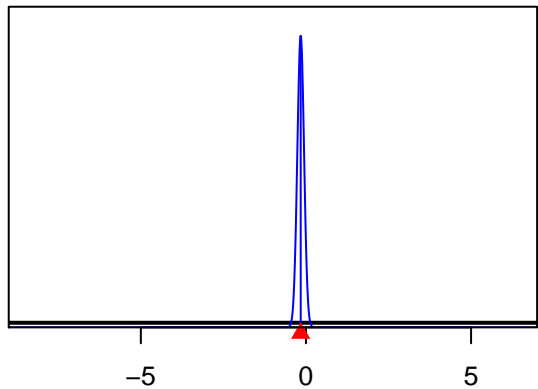


Parameter value

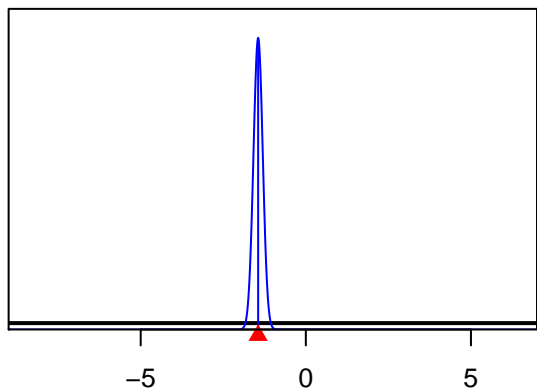
SizeSpline_Val_2_F11-NOA_N(11)



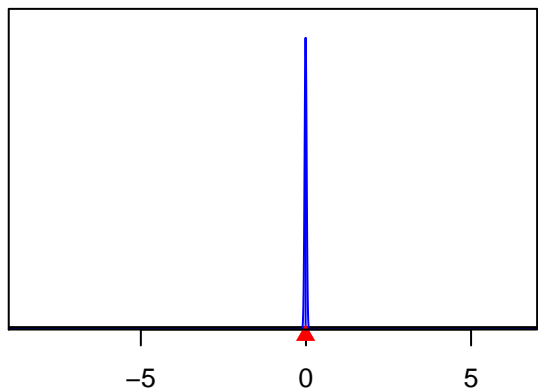
SizeSpline_Val_4_F11-NOA_N(11)



SizeSpline_Val_3_F11-NOA_N(11)



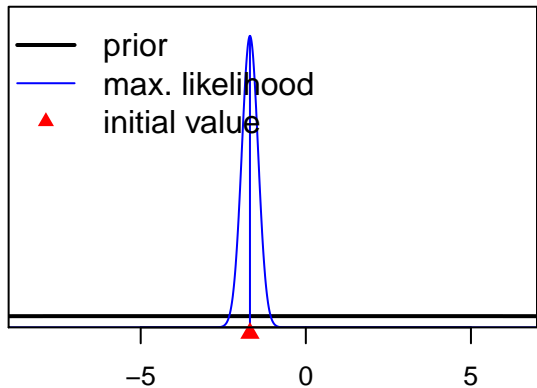
SizeSpline_Val_6_F11-NOA_N(11)



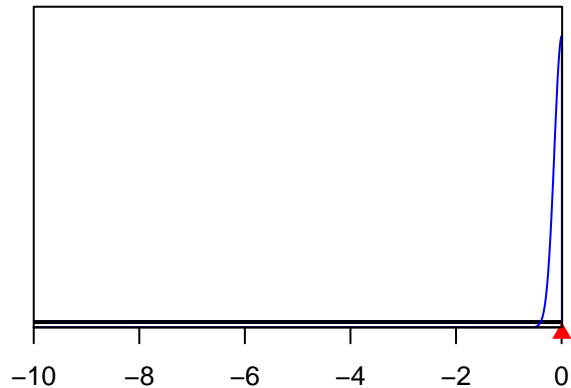
Density

Parameter value

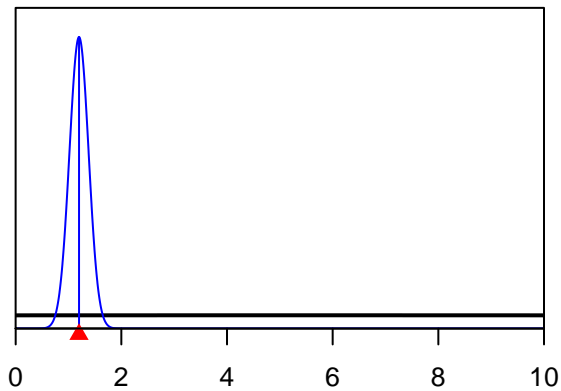
SizeSpline_Val_7_F11-NOA_N(11)



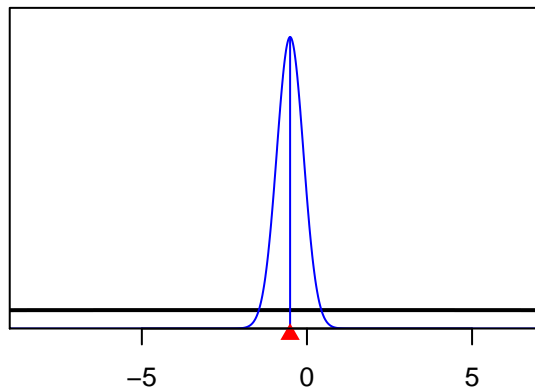
SizeSpline_GradHi_F12-NOA_C(12)



SizeSpline_GradLo_F12-NOA_C(12)

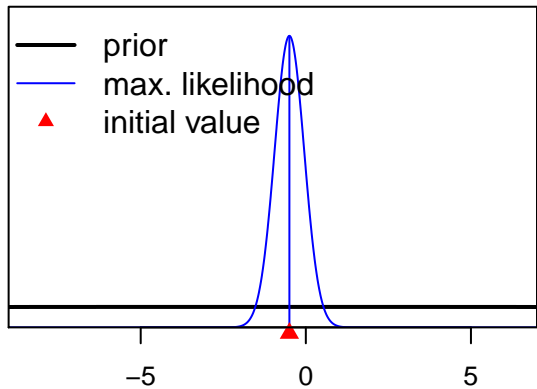


SizeSpline_Val_2_F12-NOA_C(12)

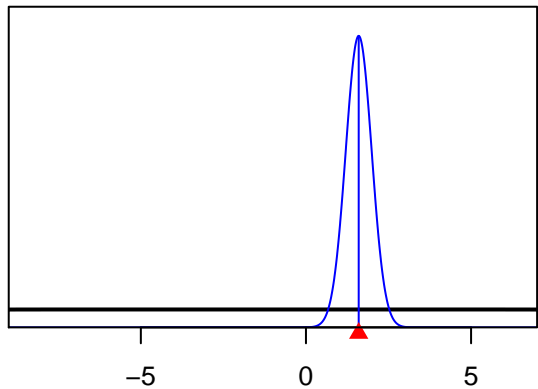


Parameter value

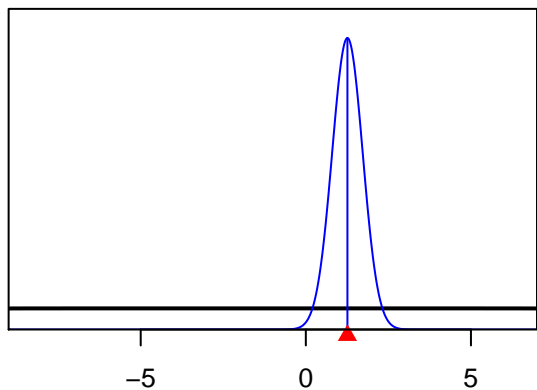
SizeSpline_Val_3_F12-NOA_C(12)



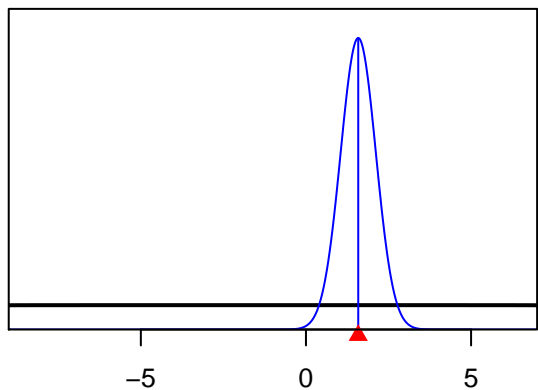
SizeSpline_Val_6_F12-NOA_C(12)



SizeSpline_Val_5_F12-NOA_C(12)

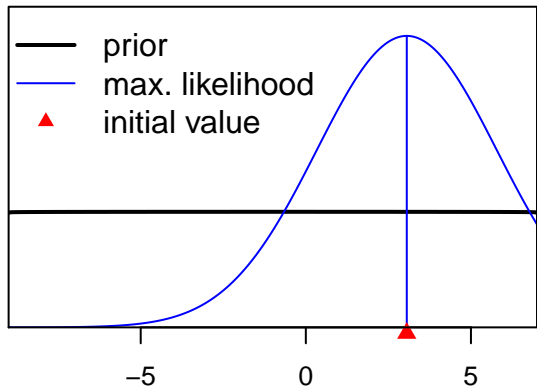


SizeSpline_Val_7_F12-NOA_C(12)

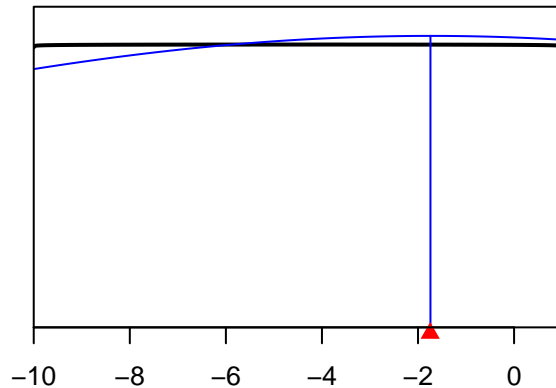


Parameter value

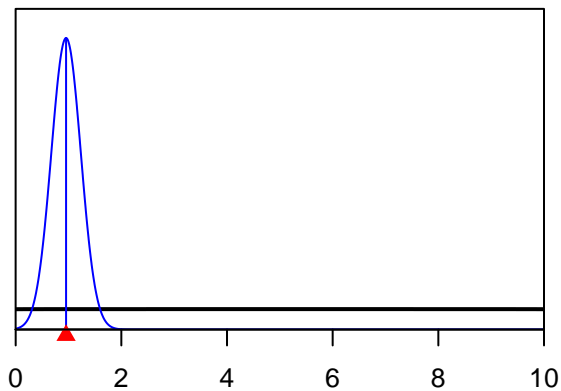
SizeSpline_Val_8_F12-NOA_C(12)



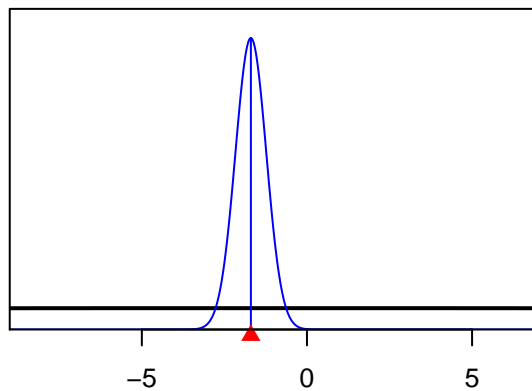
SizeSpline_GradHi_F13-NOA_I(13)



SizeSpline_GradLo_F13-NOA_I(13)

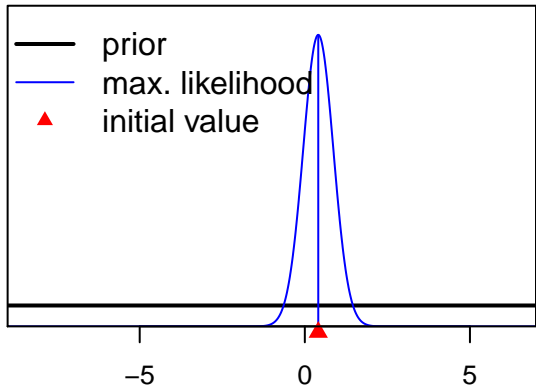


SizeSpline_Val_2_F13-NOA_I(13)

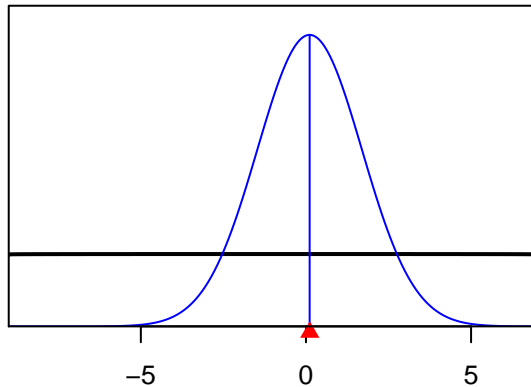


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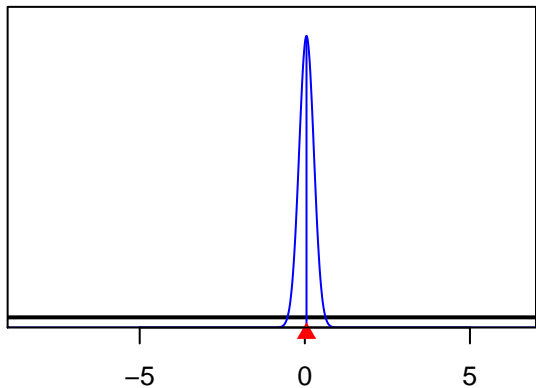
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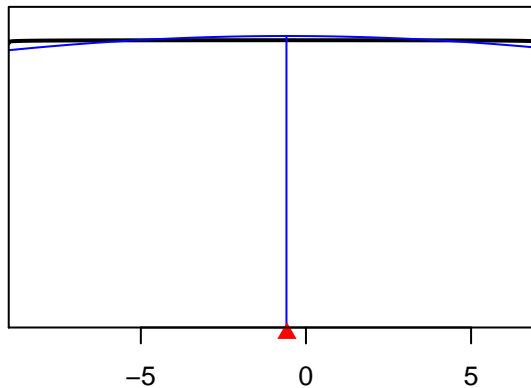
SizeSpline_Val_6_F13-NOA_I(13)



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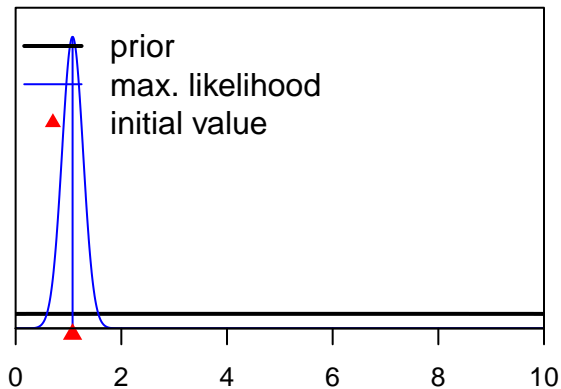


SizeSpline_Val_7_F13-NOA_I(13)

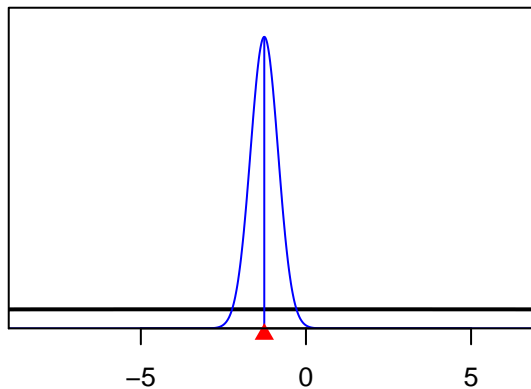


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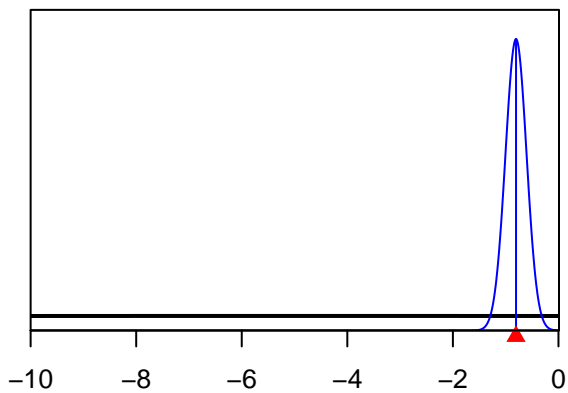
SizeSpline_GradLo_F14-NOA_S(14)



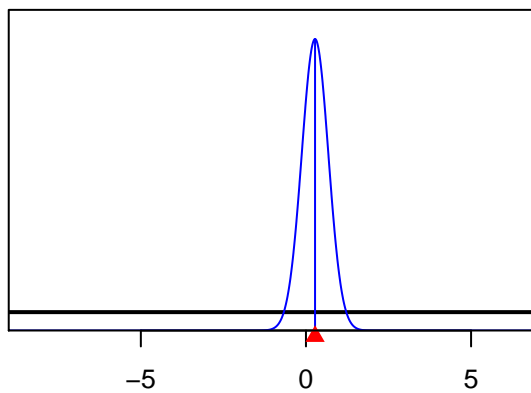
SizeSpline_Val_2_F14-NOA_S(14)



SizeSpline_GradHi_F14-NOA_S(14)

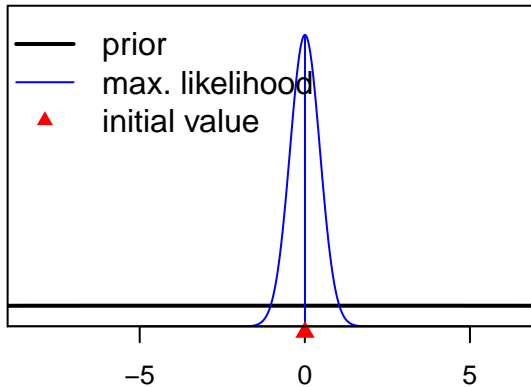


SizeSpline_Val_3_F14-NOA_S(14)

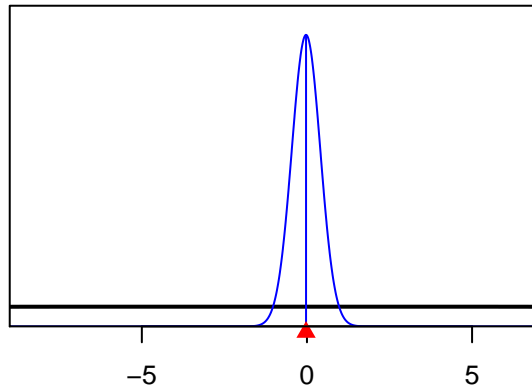


Parameter value

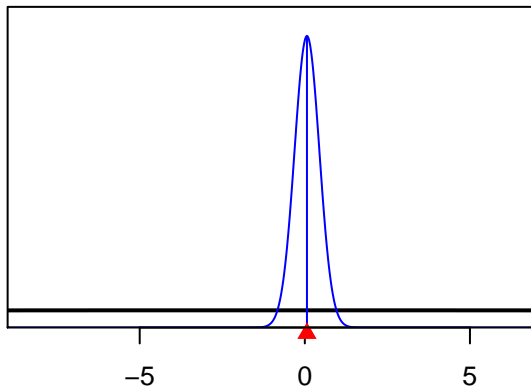
SizeSpline_Val_4_F14-NOA_S(14)



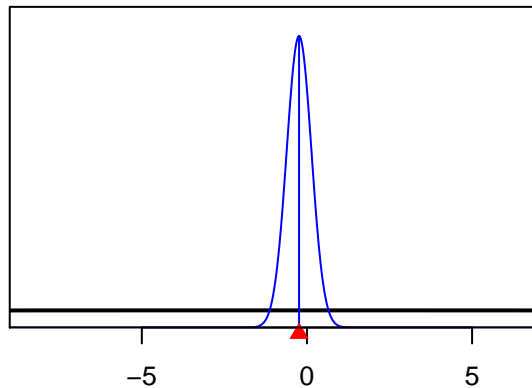
SizeSpline_Val_6_F14-NOA_S(14)



SizeSpline_Val_5_F14-NOA_S(14)

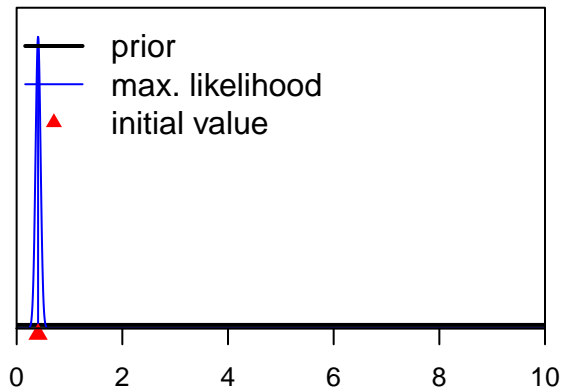


SizeSpline_Val_8_F14-NOA_S(14)

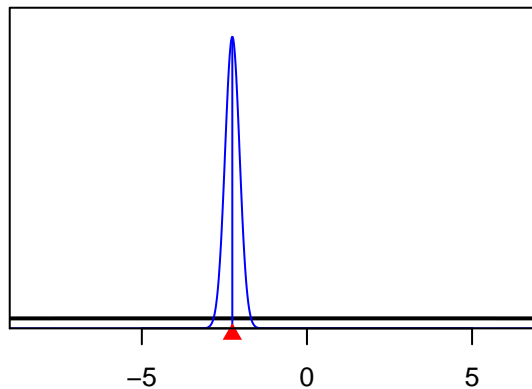


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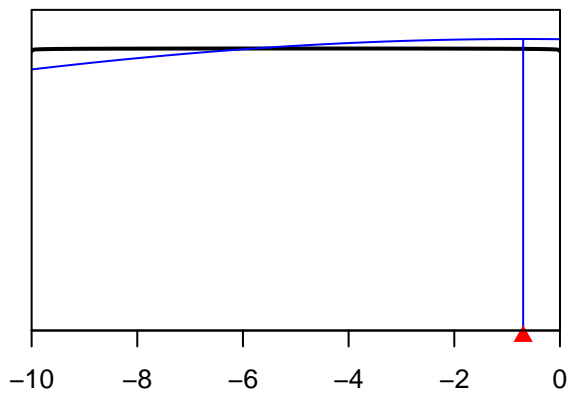
SizeSpline_GradLo_F15-DEL_N(15)



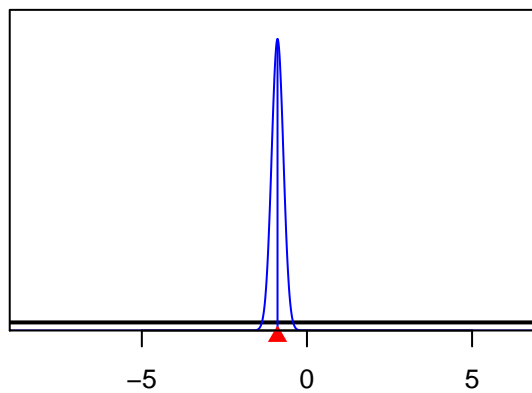
SizeSpline_Val_2_F15-DEL_N(15)



SizeSpline_GradHi_F15-DEL_N(15)

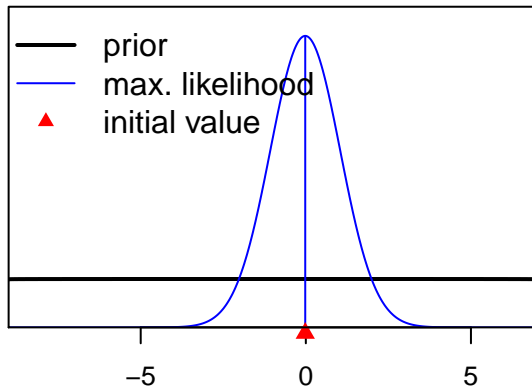


SizeSpline_Val_3_F15-DEL_N(15)

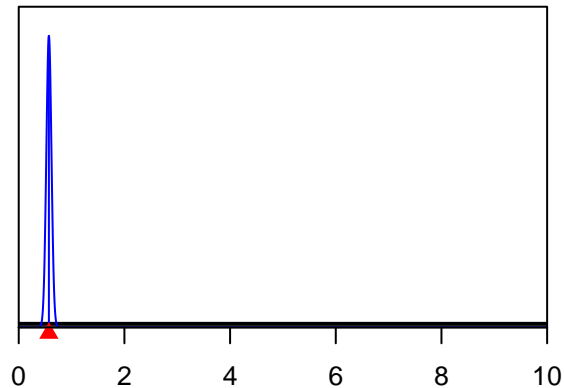


Parameter value

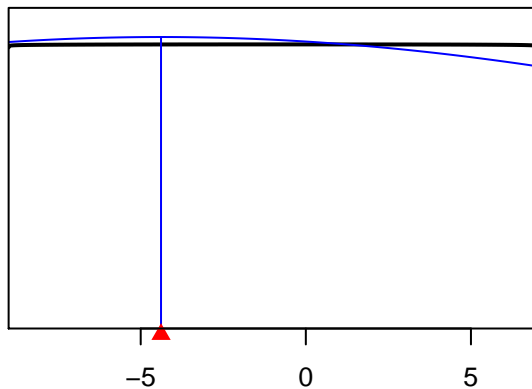
SizeSpline_Val_5_F15-DEL_N(15)



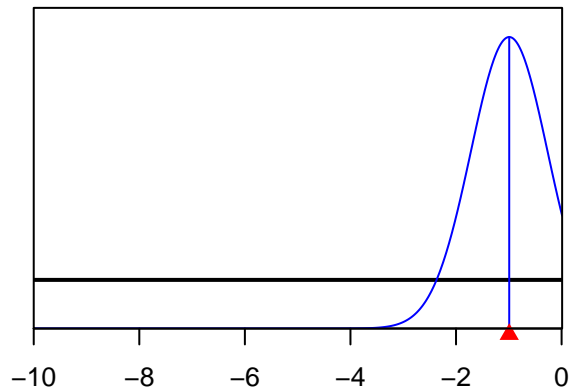
SizeSpline_GradLo_F16-DEL_NE(16)



SizeSpline_Val_6_F15-DEL_N(15)

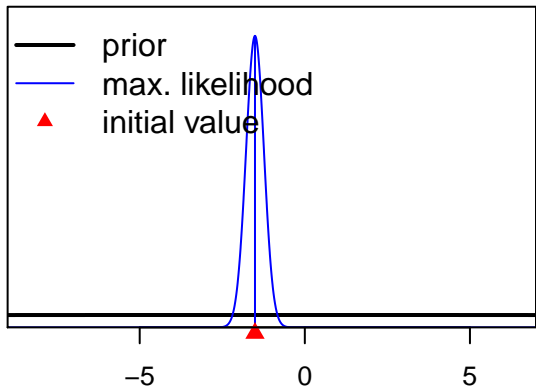


SizeSpline_GradHi_F16-DEL_NE(16)

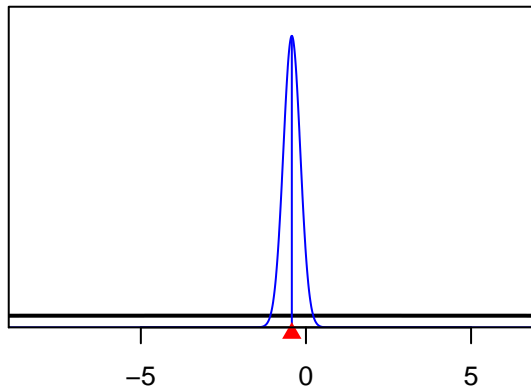


Parameter value

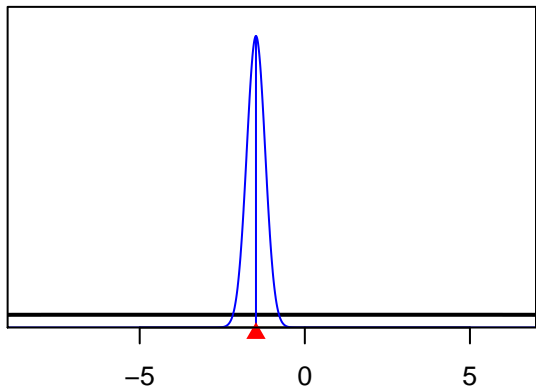
SizeSpline_Val_2_F16-DEL_NE(16)



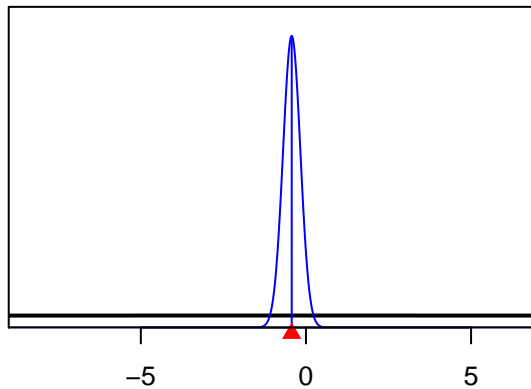
SizeSpline_Val_4_F16-DEL_NE(16)



SizeSpline_Val_3_F16-DEL_NE(16)

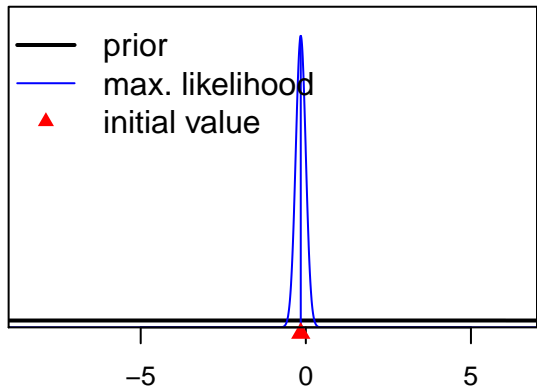


SizeSpline_Val_5_F16-DEL_NE(16)

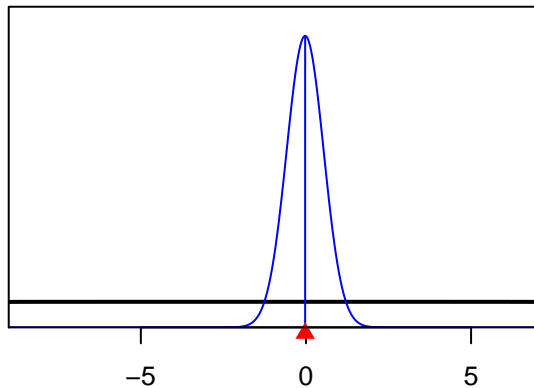


Parameter value

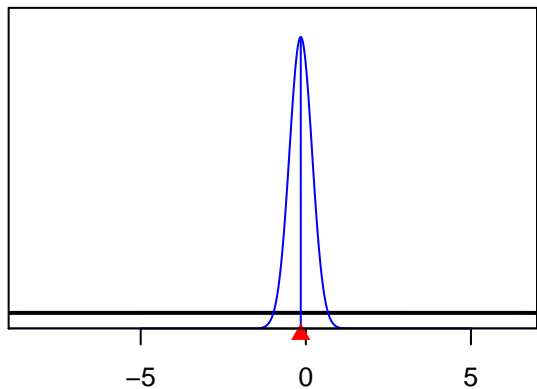
SizeSpline_Val_7_F16-DEL_NE(16)



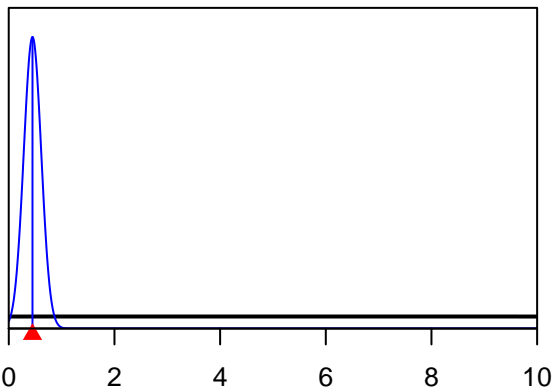
SizeSpline_Val_9_F16-DEL_NE(16)



SizeSpline_Val_8_F16-DEL_NE(16)



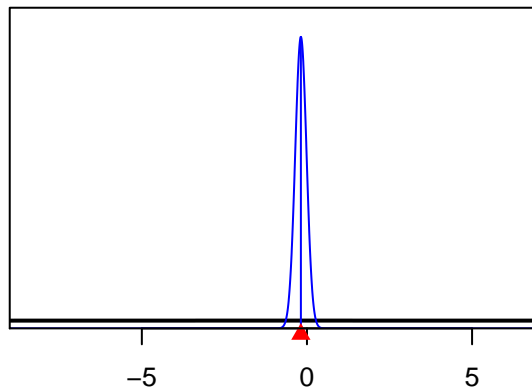
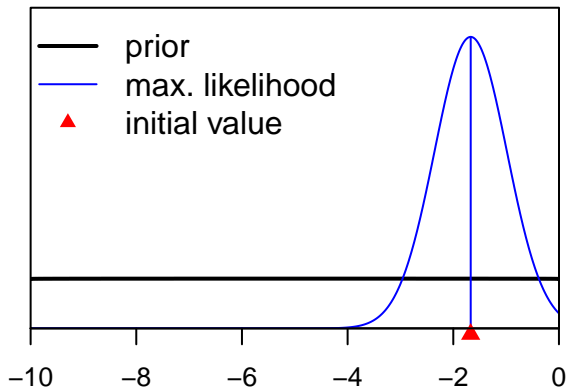
SizeSpline_GradLo_F17-DEL_M(17)



Parameter value

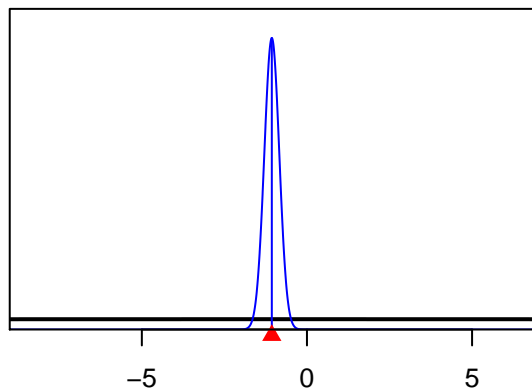
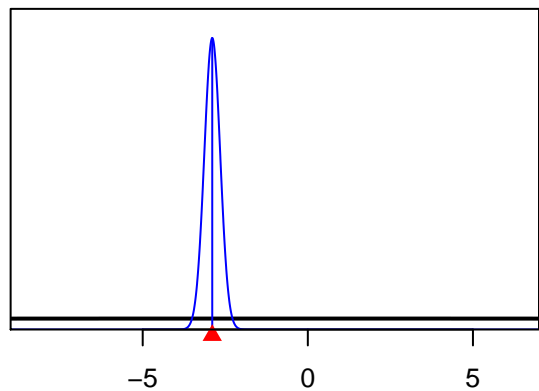
SizeSpline_GradHi_F17-DEL_M(17)

SizeSpline_Val_4_F17-DEL_M(17)



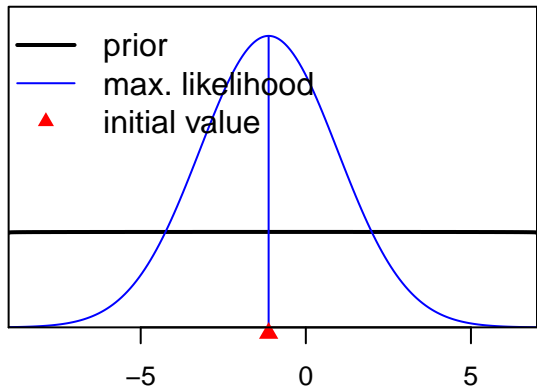
SizeSpline_Val_2_F17-DEL_M(17)

SizeSpline_Val_5_F17-DEL_M(17)

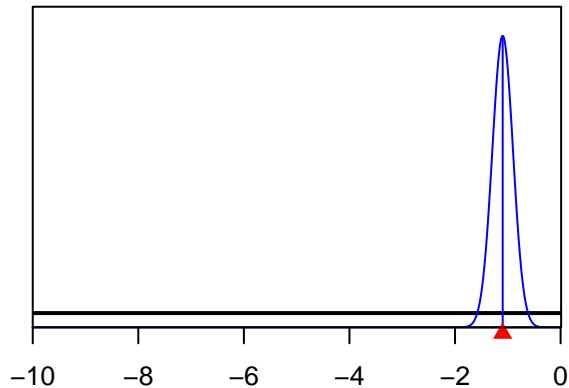


Parameter value

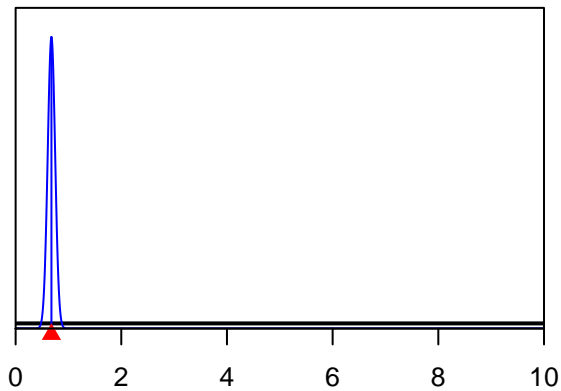
SizeSpline_Val_6_F18-DEL_M(17)



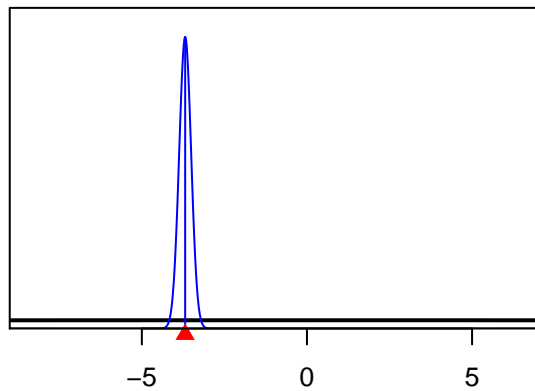
SizeSpline_GradHi_F18-DEL_C(18)



SizeSpline_GradLo_F18-DEL_C(18)

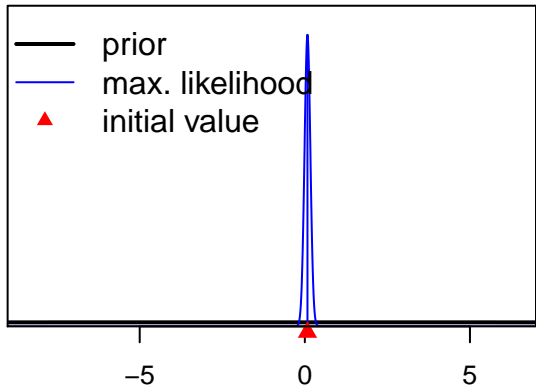


SizeSpline_Val_2_F18-DEL_C(18)

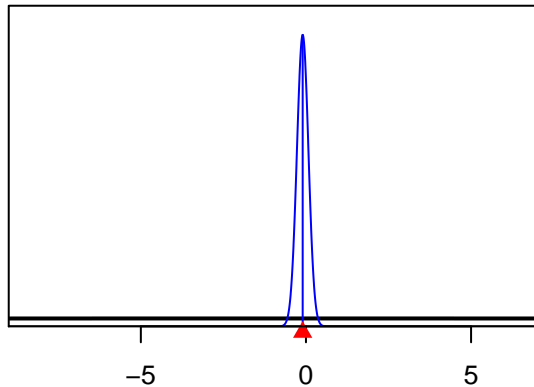


Parameter value

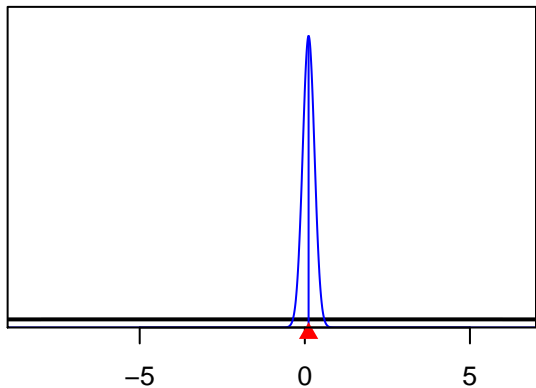
SizeSpline_Val_4_F18-DEL_C(18)



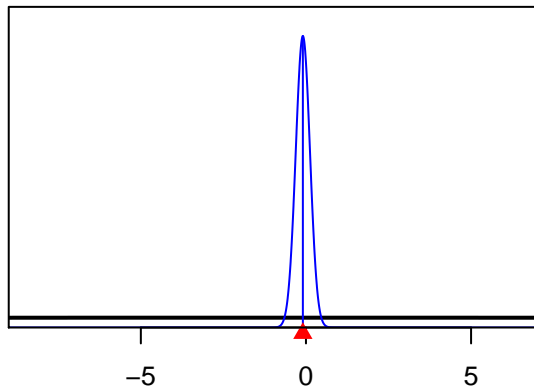
SizeSpline_Val_6_F18-DEL_C(18)



SizeSpline_Val_5_F18-DEL_C(18)

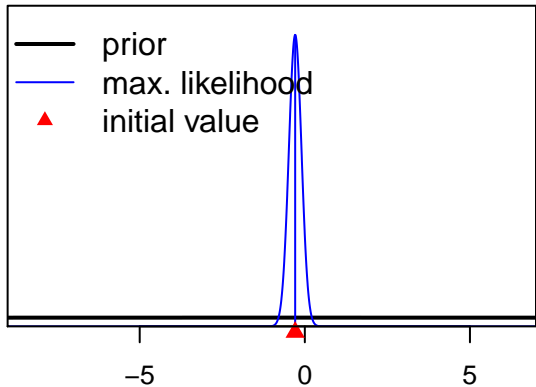


SizeSpline_Val_7_F18-DEL_C(18)

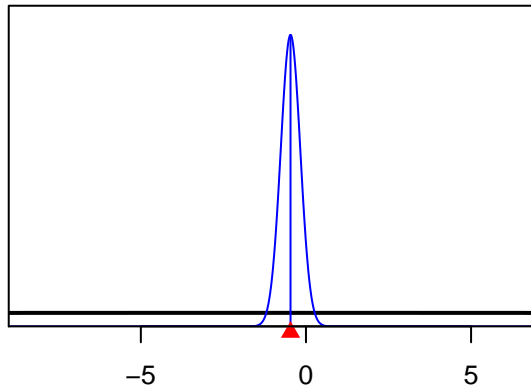


Parameter value

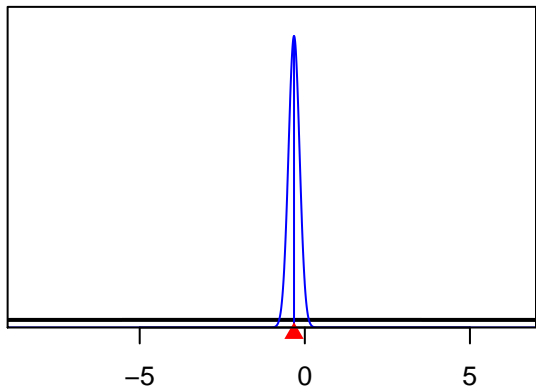
SizeSpline_Val_8_F18-DEL_C(18)



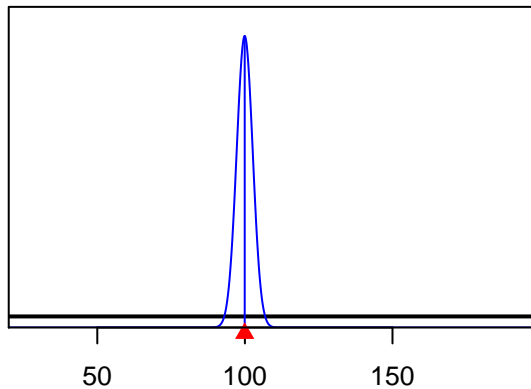
SizeSpline_Val_10_F18-DEL_C(18)



SizeSpline_Val_9_F18-DEL_C(18)

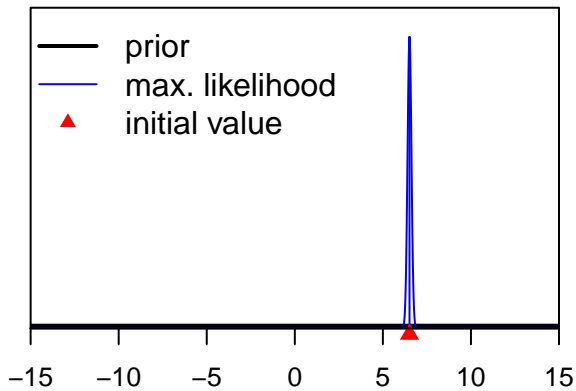


Size_DbIN_peak_F19-DEL_P(19)

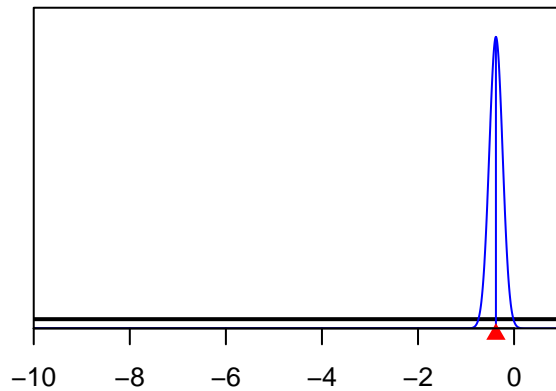


Parameter value

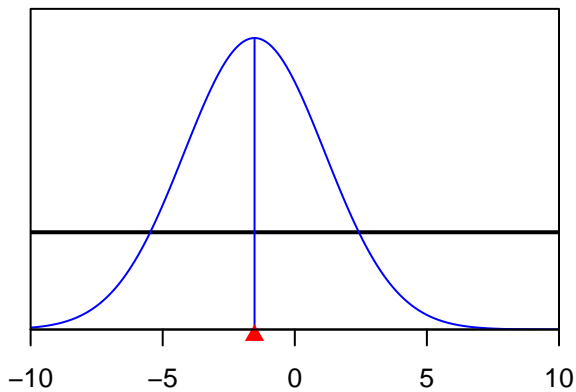
Size_DbIN_ascend_se_F19-DEL_P(19)



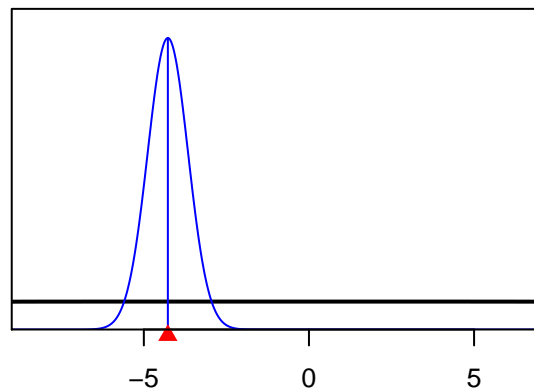
SizeSpline_GradHi_F22-BB(22)



SizeSpline_GradLo_F22-BB(22)

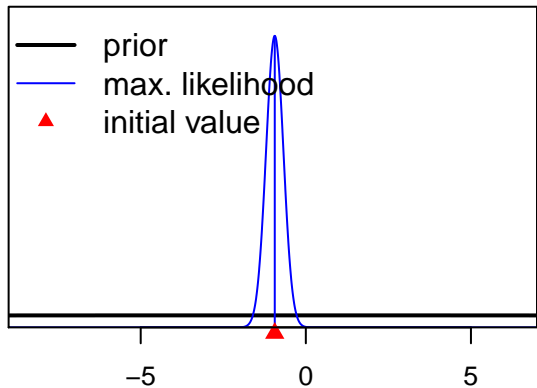


SizeSpline_Val_2_F22-BB(22)

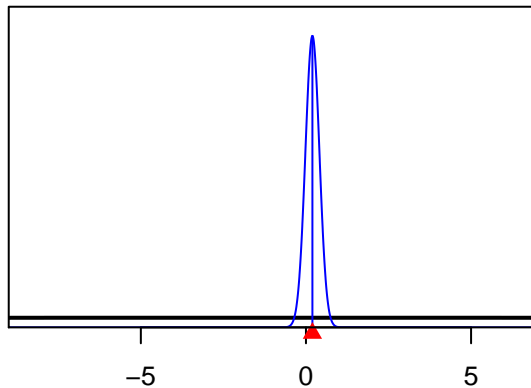


Parameter value

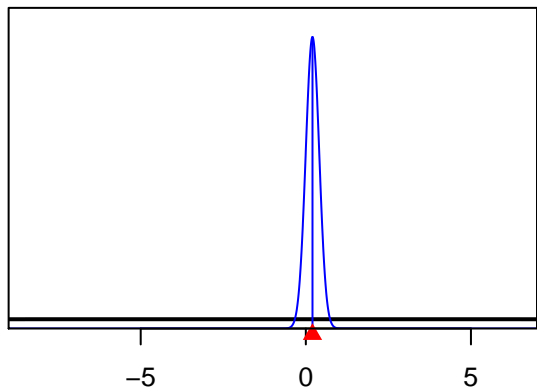
SizeSpline_Val_3_F22-BB(22)



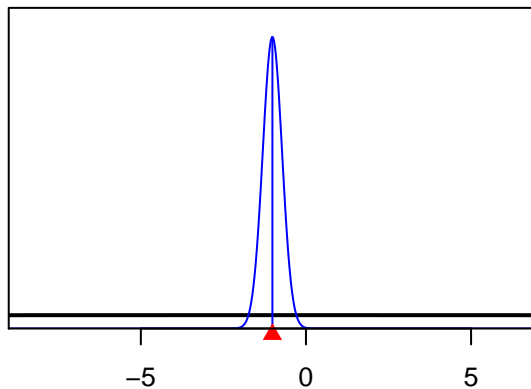
SizeSpline_Val_6_F22-BB(22)



SizeSpline_Val_5_F22-BB(22)

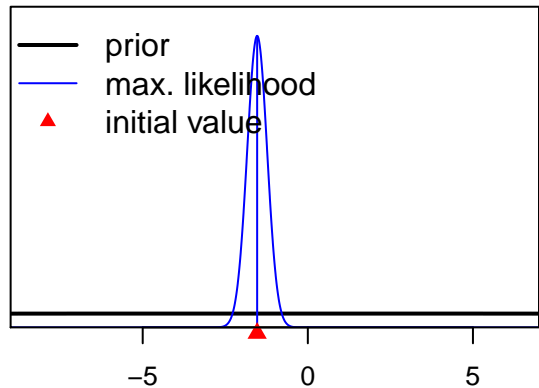


SizeSpline_Val_7_F22-BB(22)

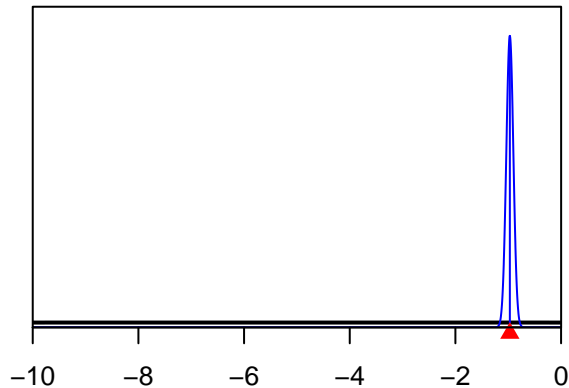


Parameter value

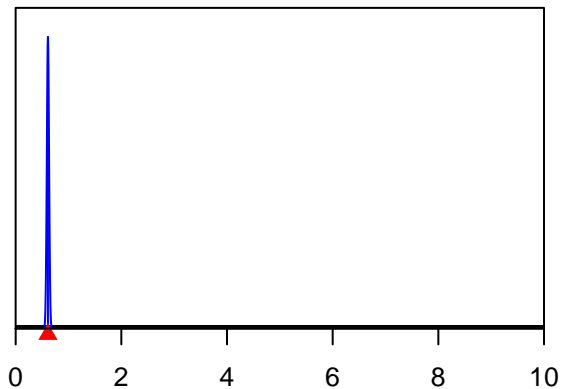
SizeSpline_Val_8_F22-BB(22)



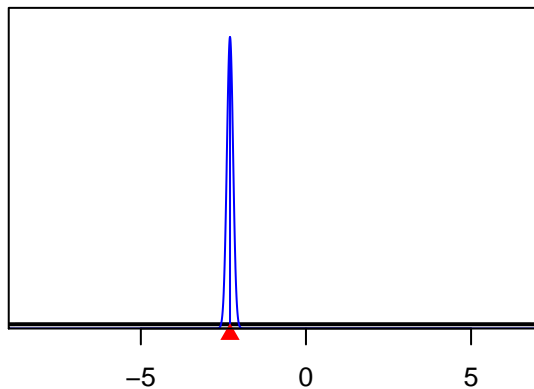
SizeSpline_GradHi_S1-PS_DEL_VAST(41)



SizeSpline_GradLo_S1-PS_DEL_VAST(41)

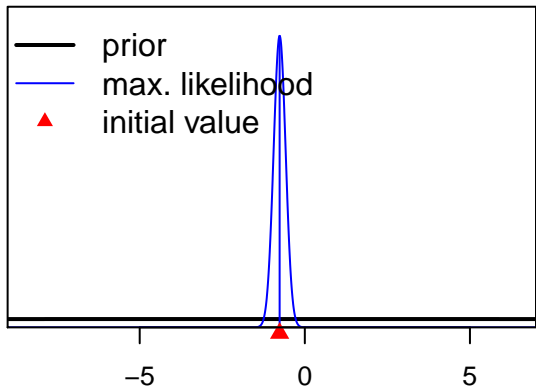


SizeSpline_Val_2_S1-PS_DEL_VAST(41)



Parameter value

SizeSpline_Val_4_S1-PS_DEL_VAST(41)



Parameter value