

Plots created using the 'r4ss' package in R

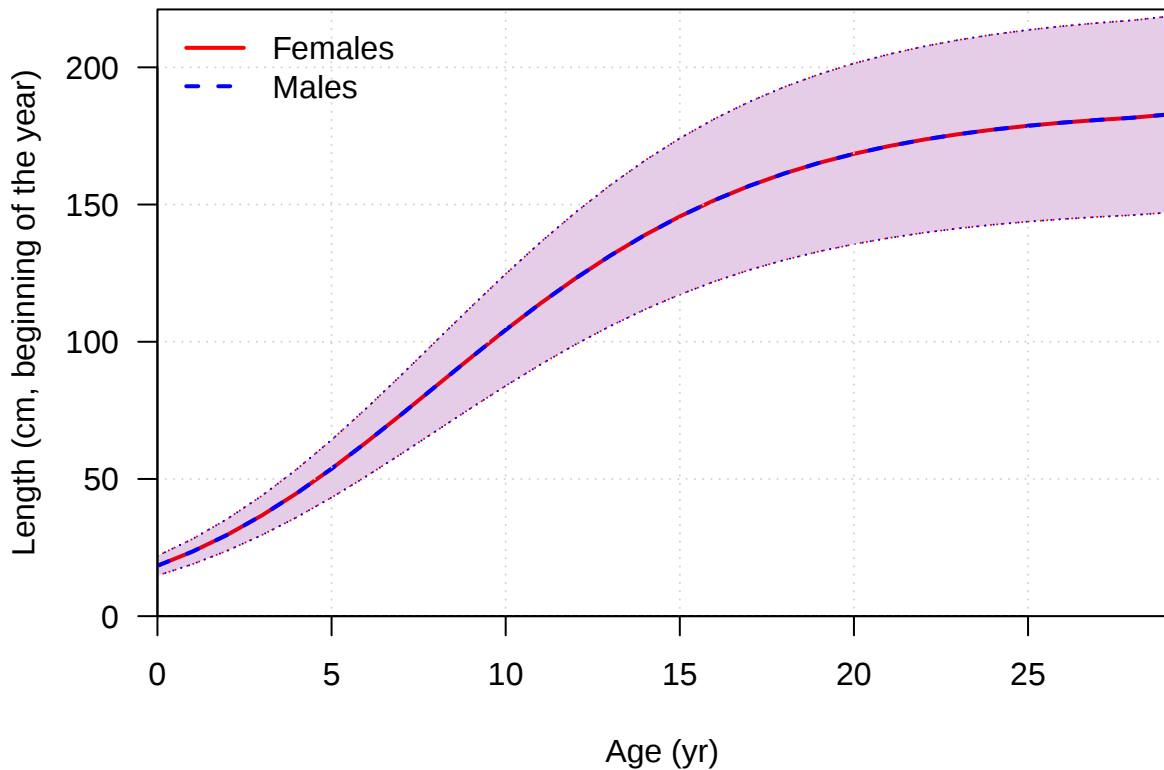
Stock Synthesis version: SS-V3.23b

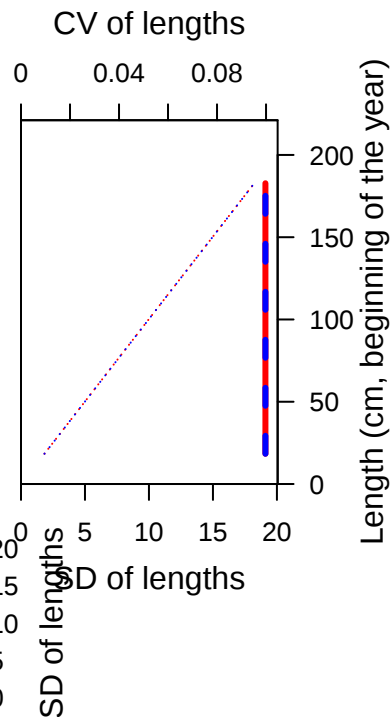
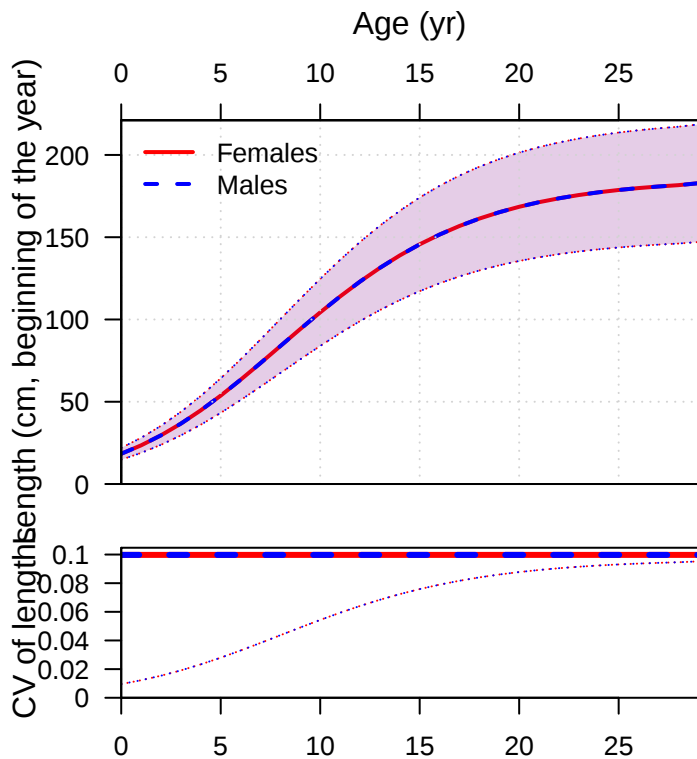
StartTime: Sat Apr 22 09:15:35 2017

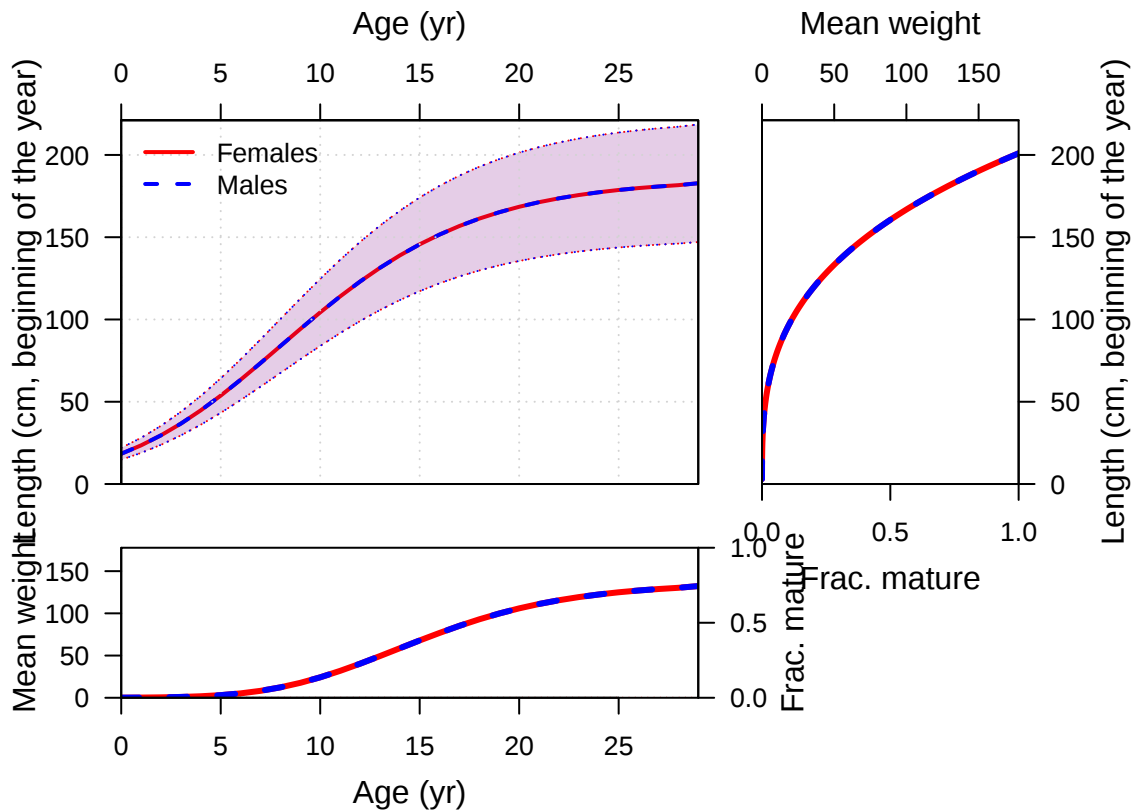
Data_File: YFT-EPO.dat

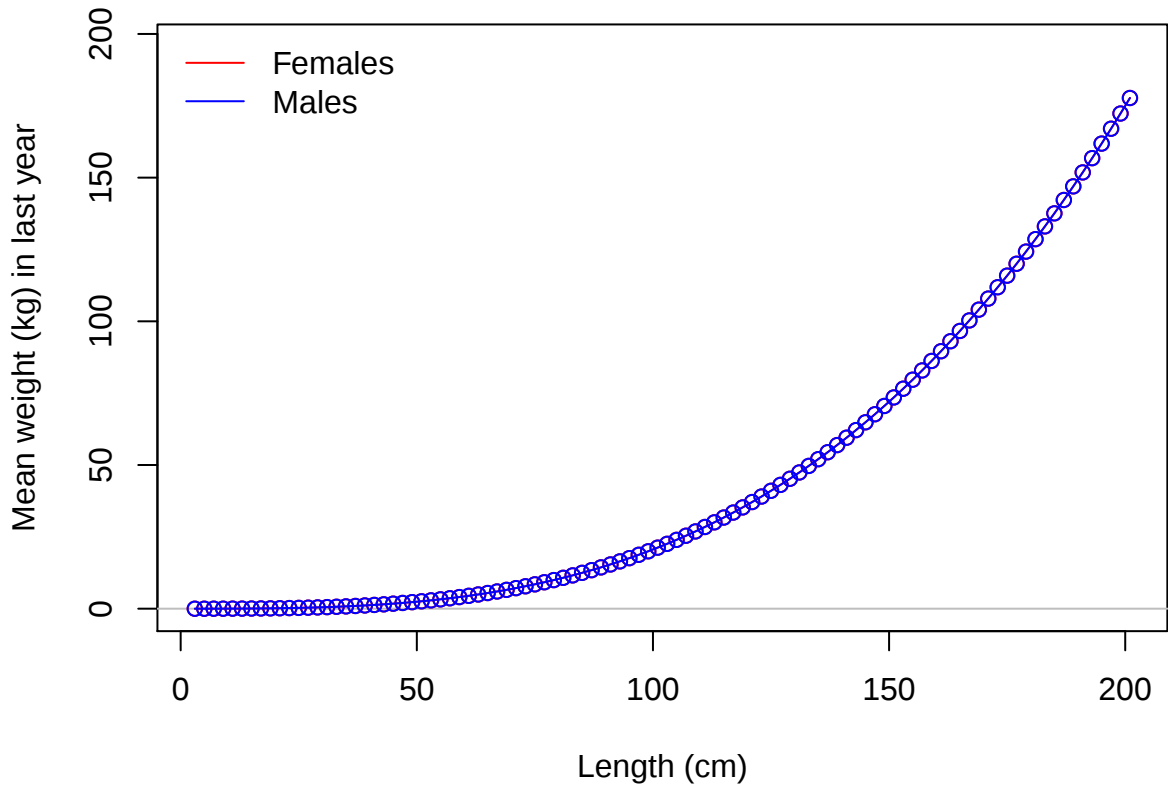
Control_File: YFT-EPO.ctf

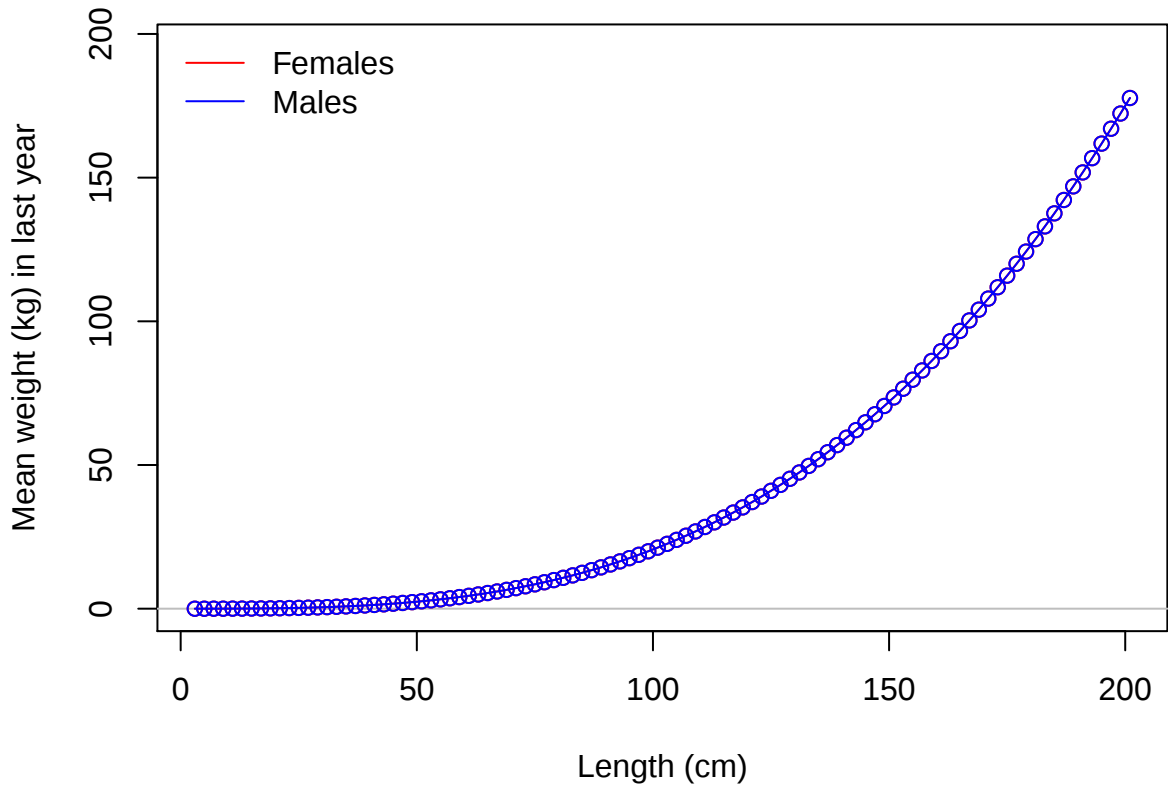
Ending year expected growth (with 95% intervals)

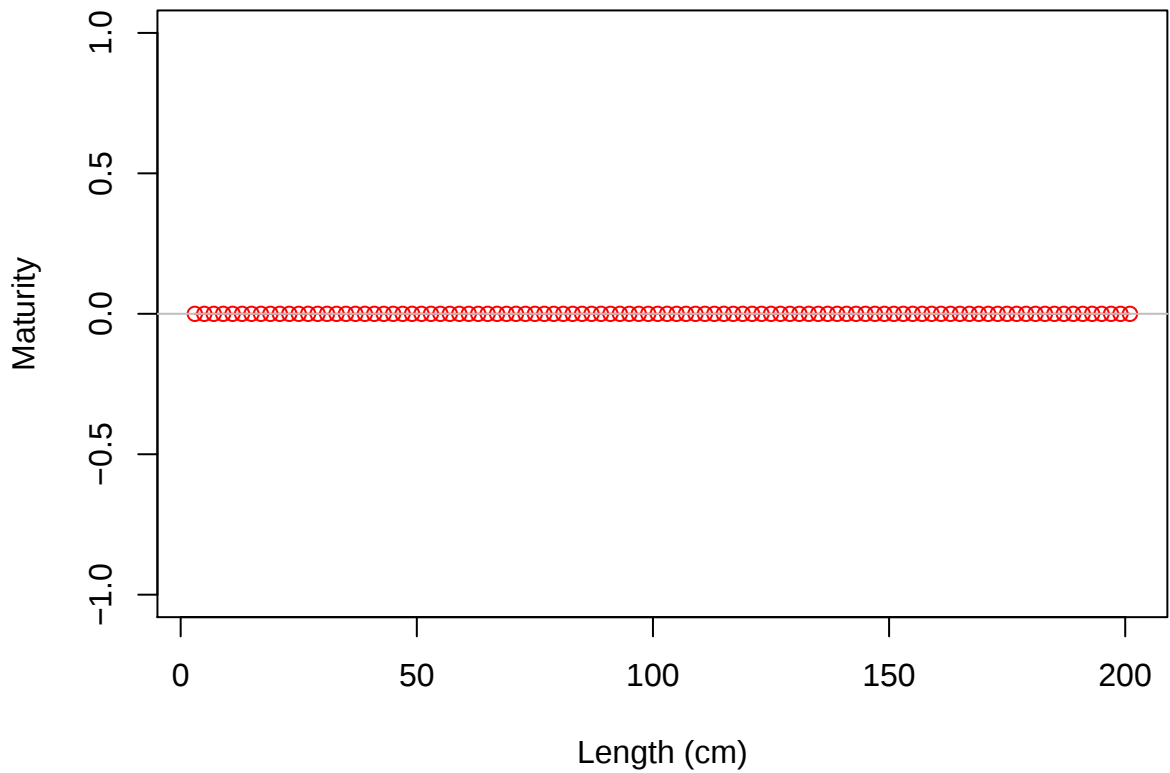


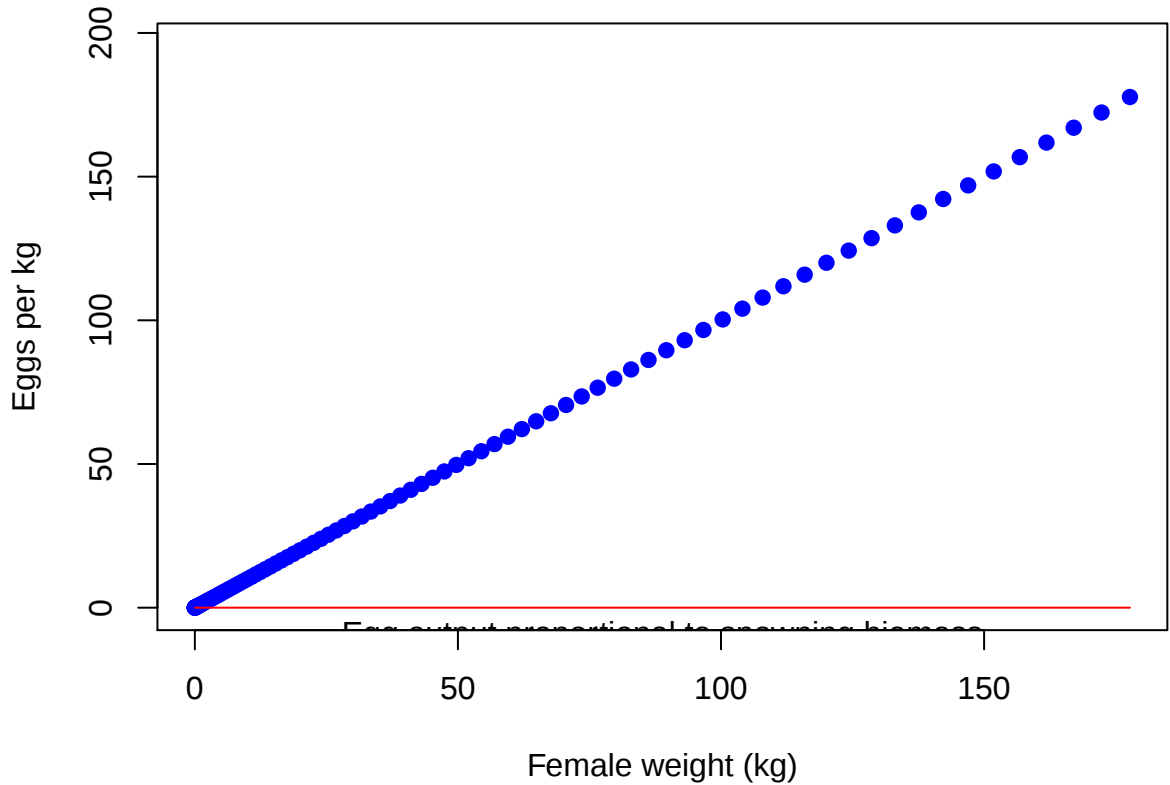


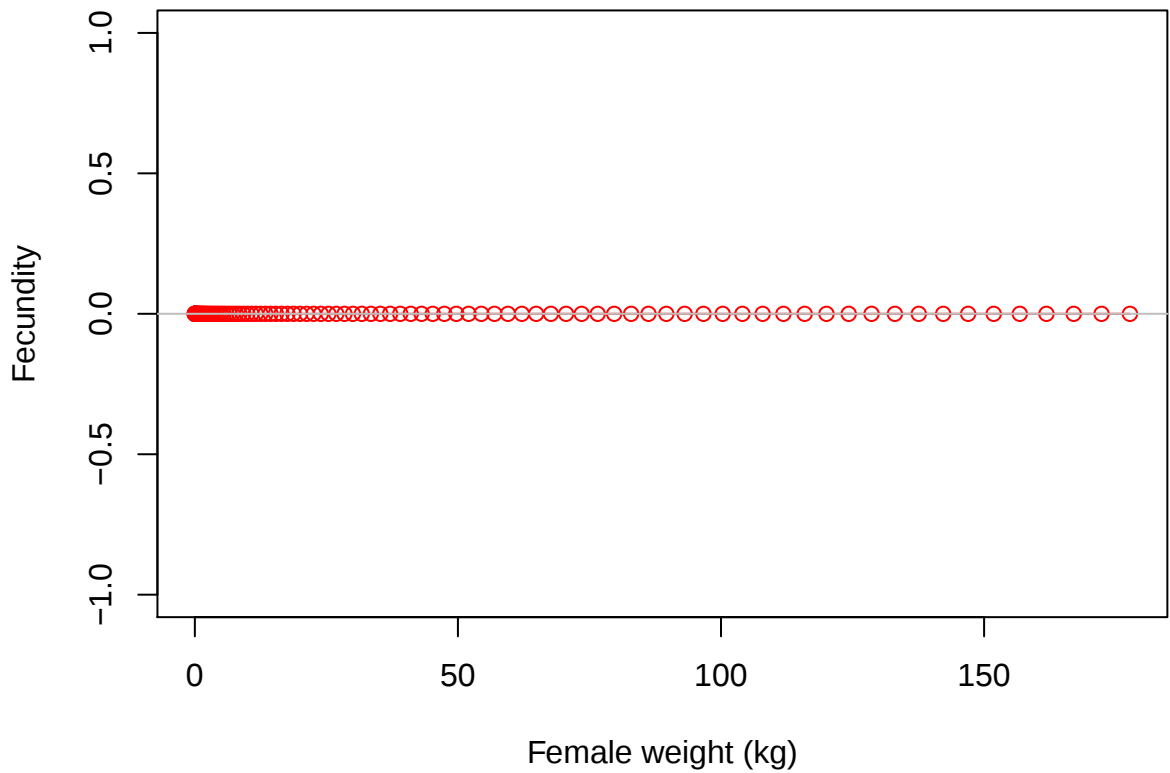


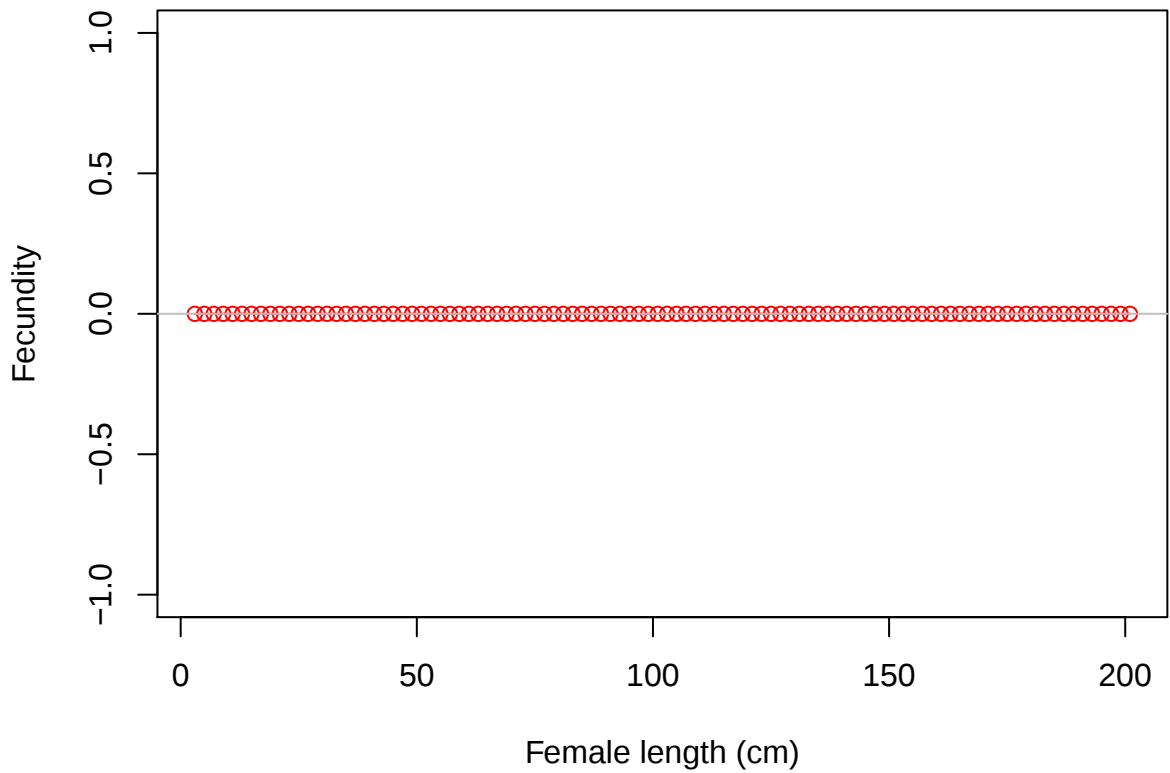


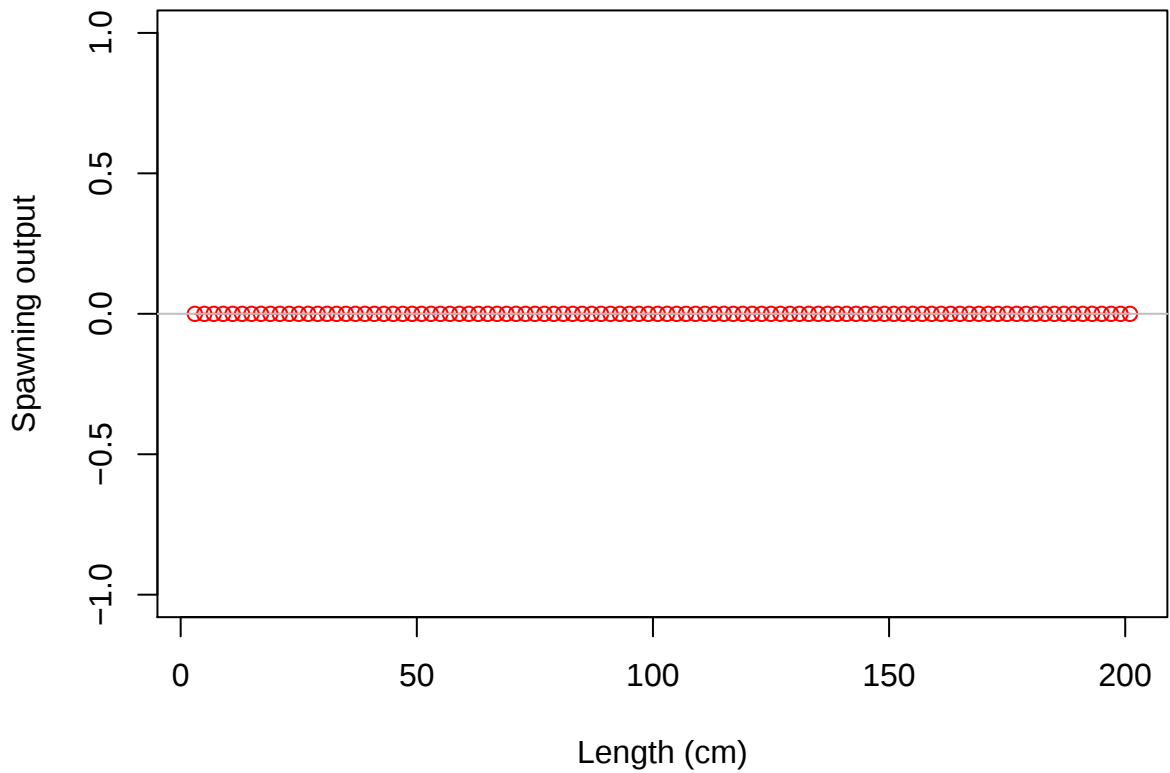




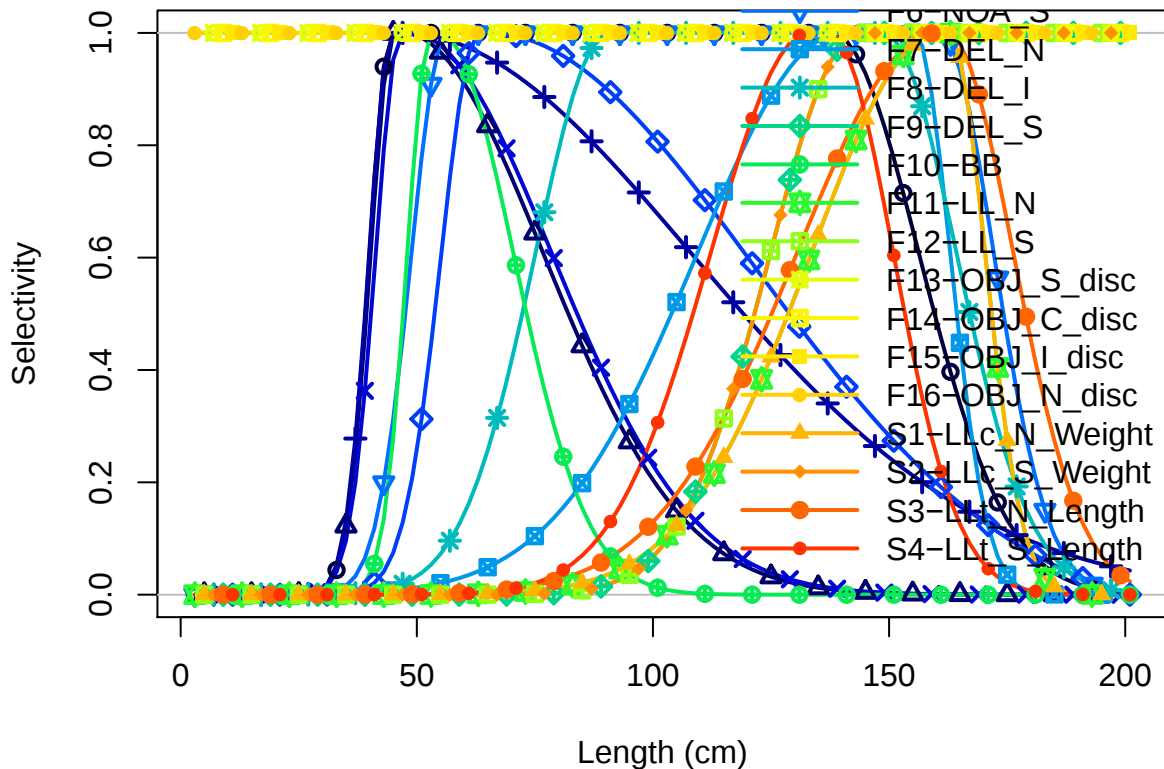




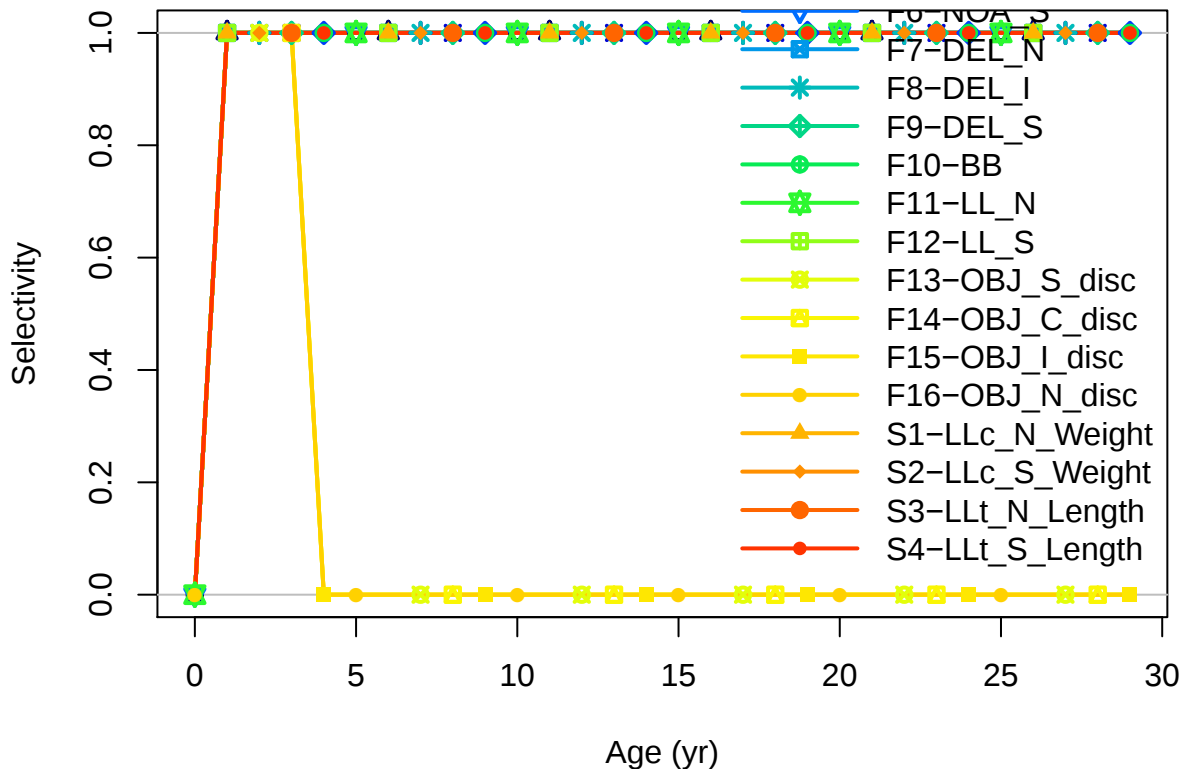




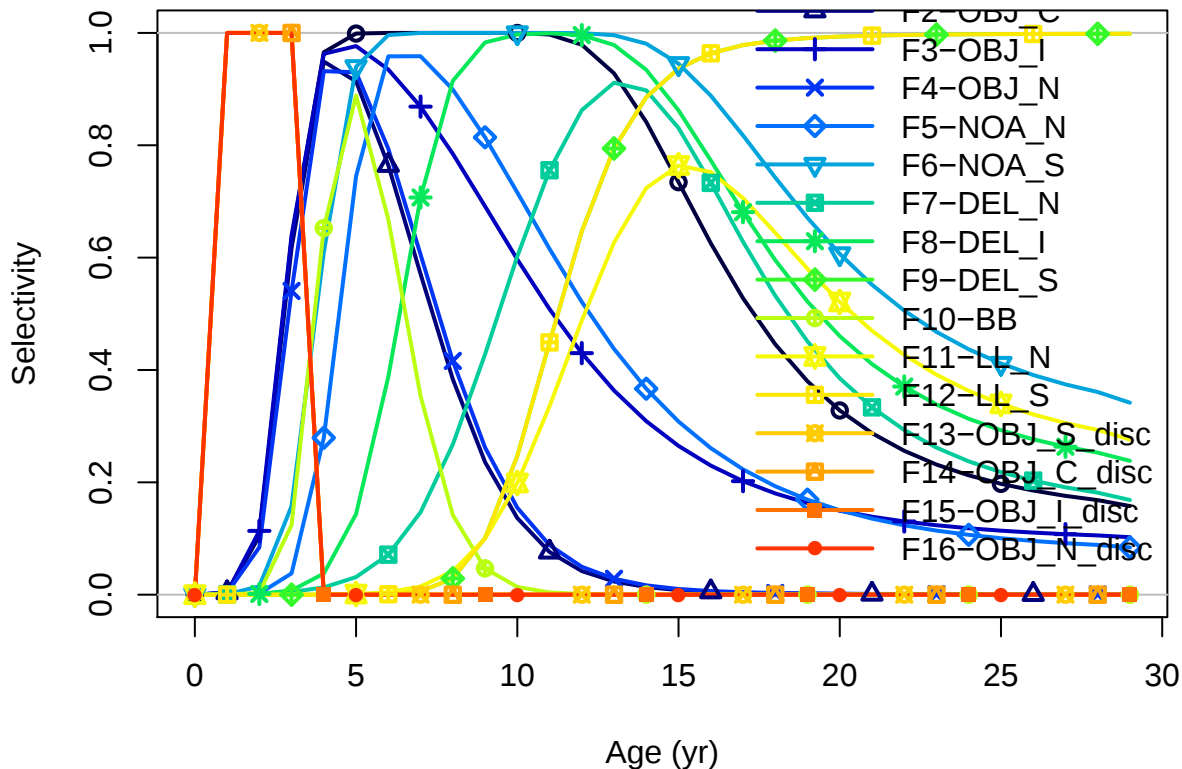
Length-based selectivity by fleet in 168



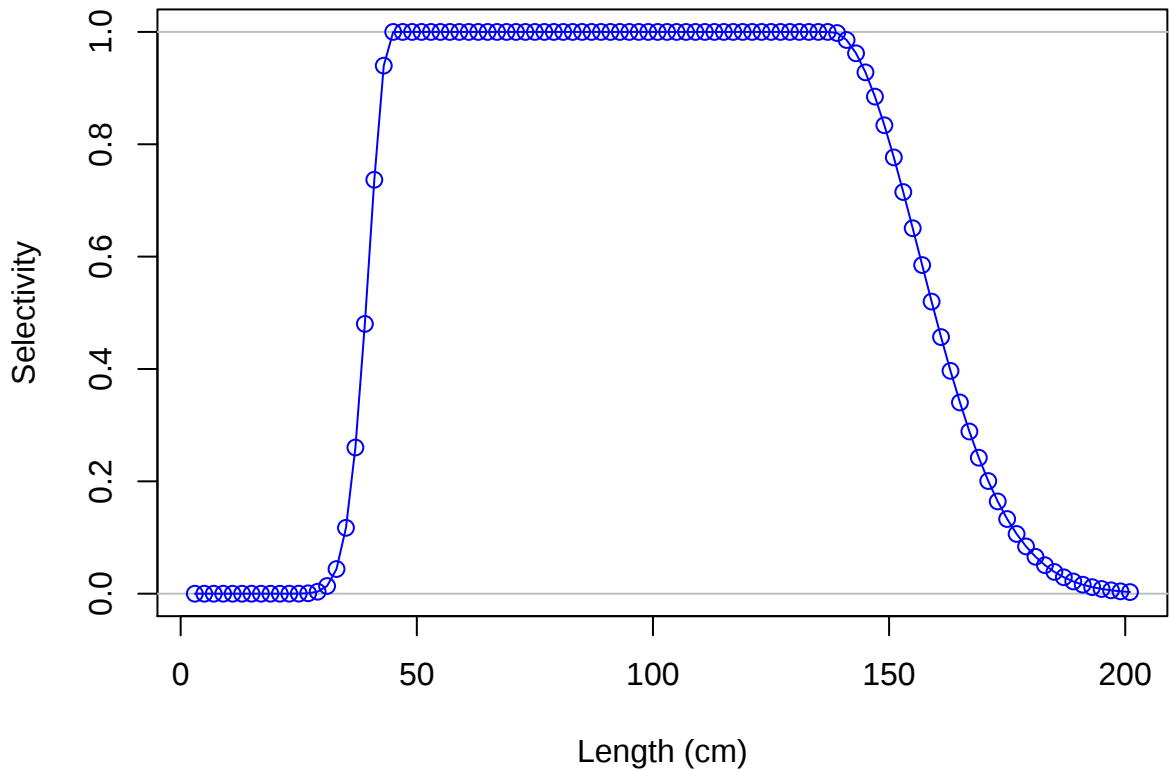
Age-based selectivity by fleet in 168



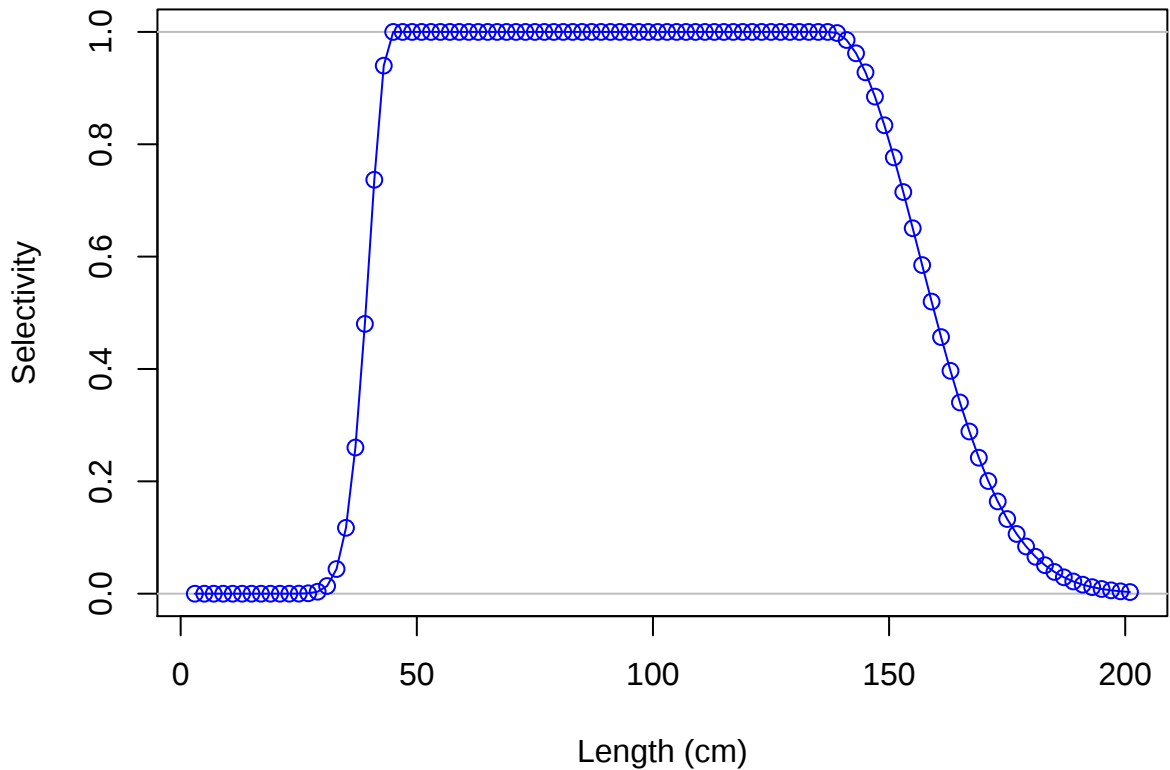
Derived age-based from length-based selectivity by fleet in 168



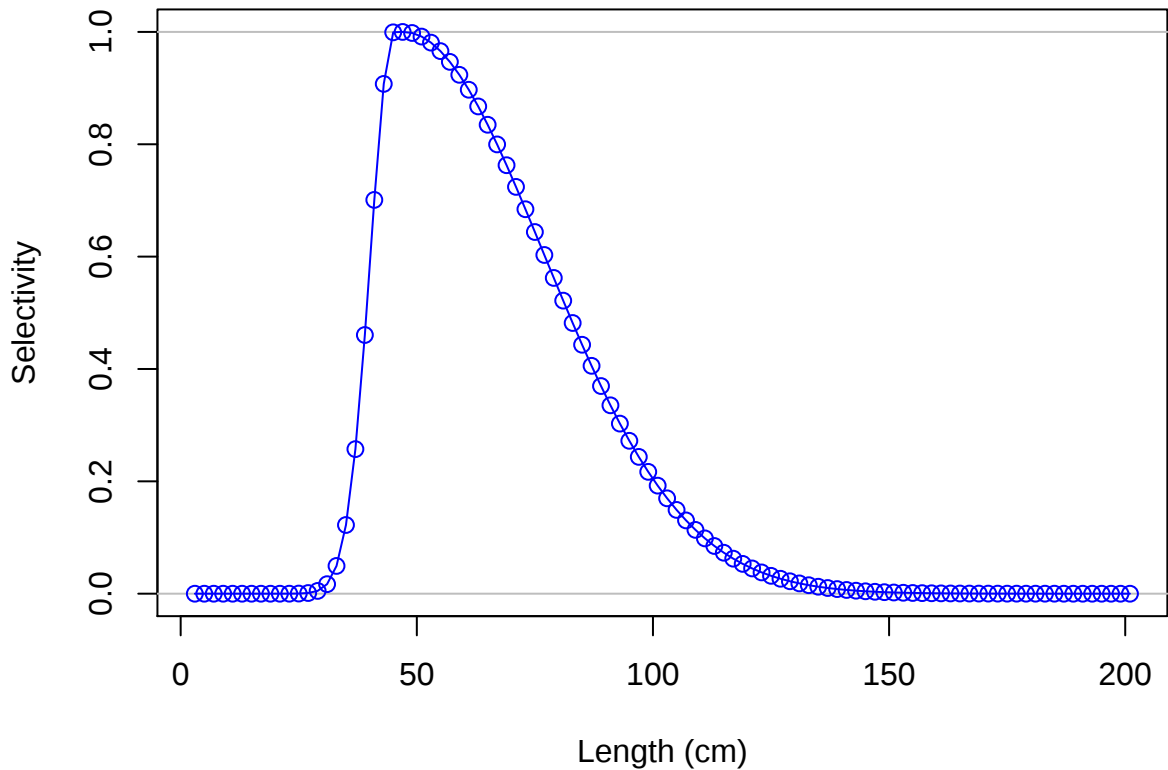
Female ending year selectivity for F1-OBJ_S



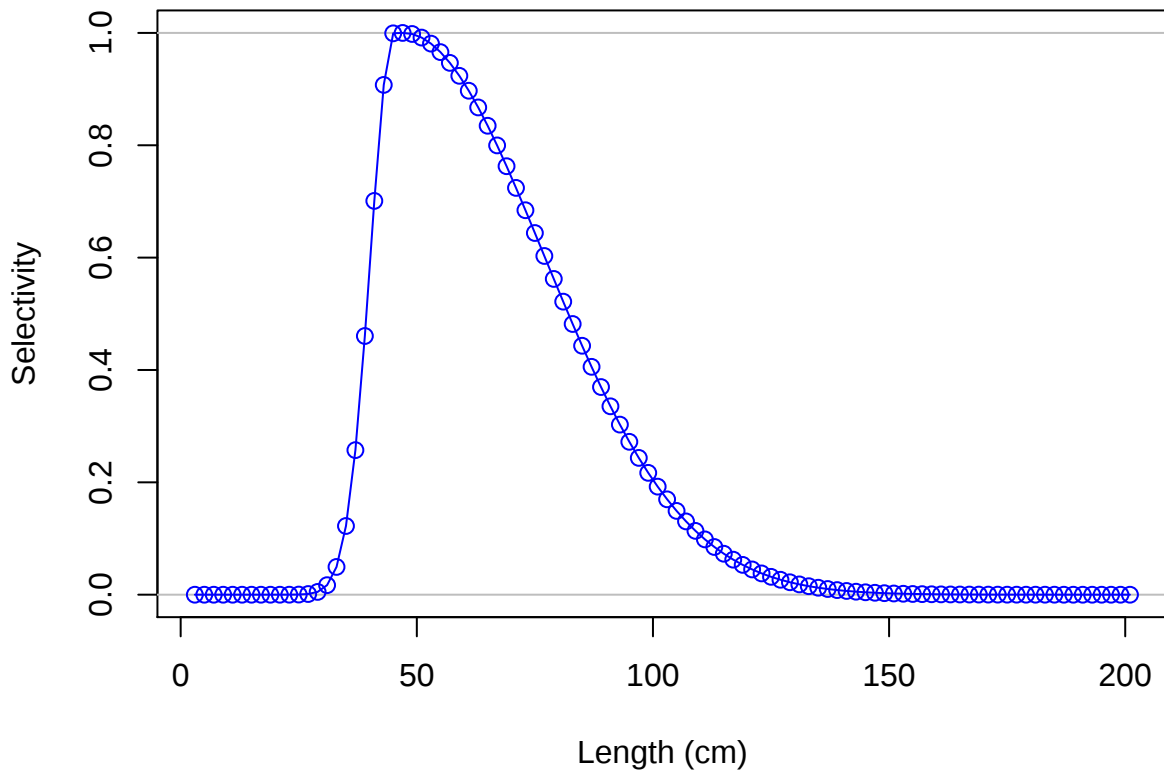
Male ending year selectivity for F1-OBJ_S



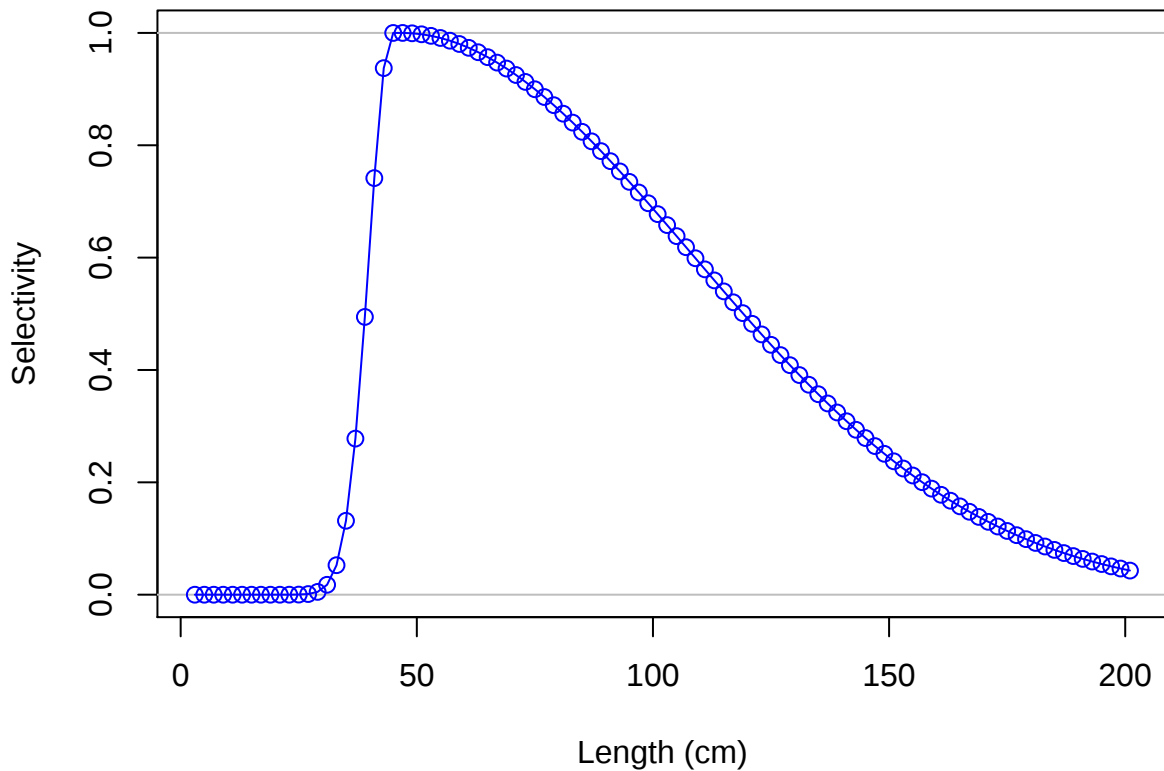
Female ending year selectivity for F2-OBJ_C



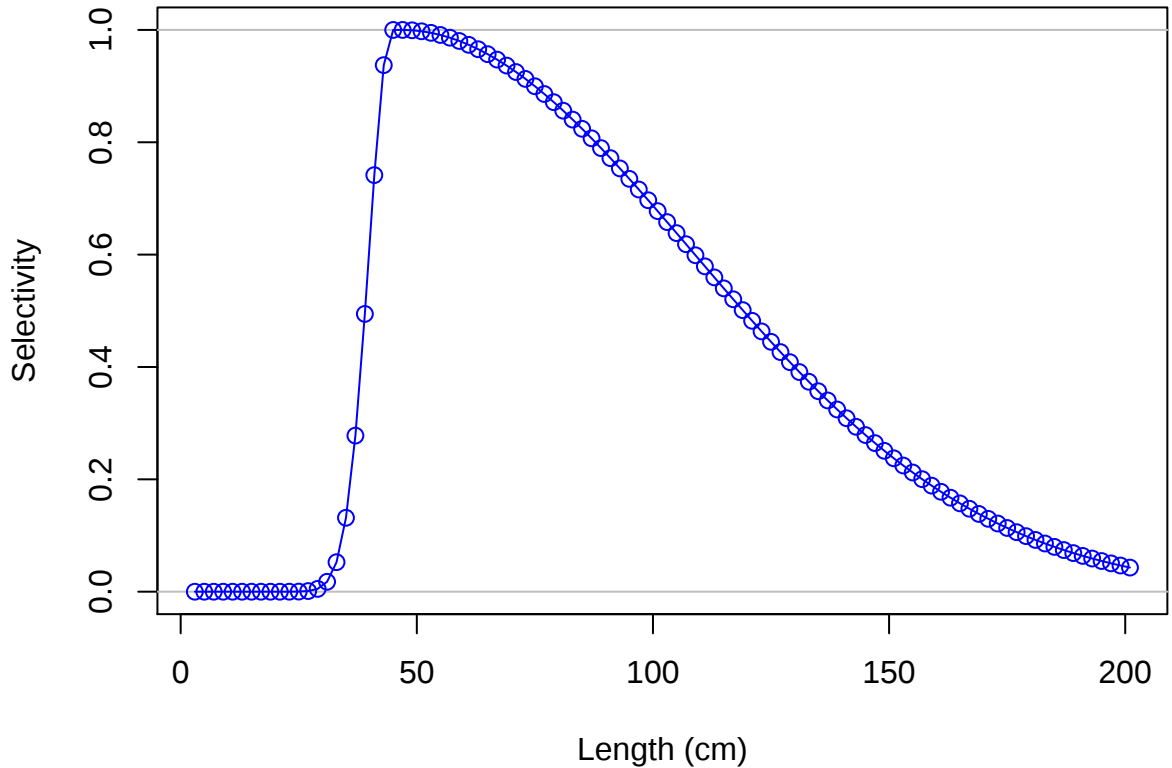
Male ending year selectivity for F2-OBJ_C



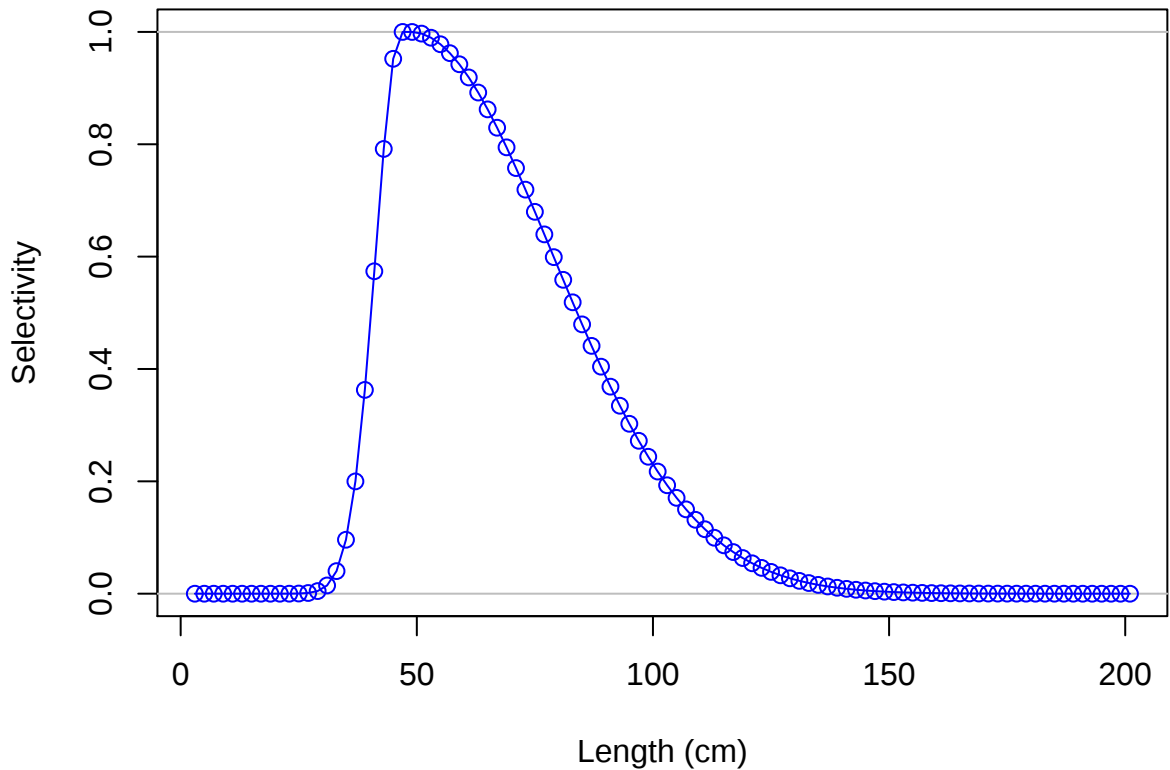
Female ending year selectivity for F3-OBJ_I



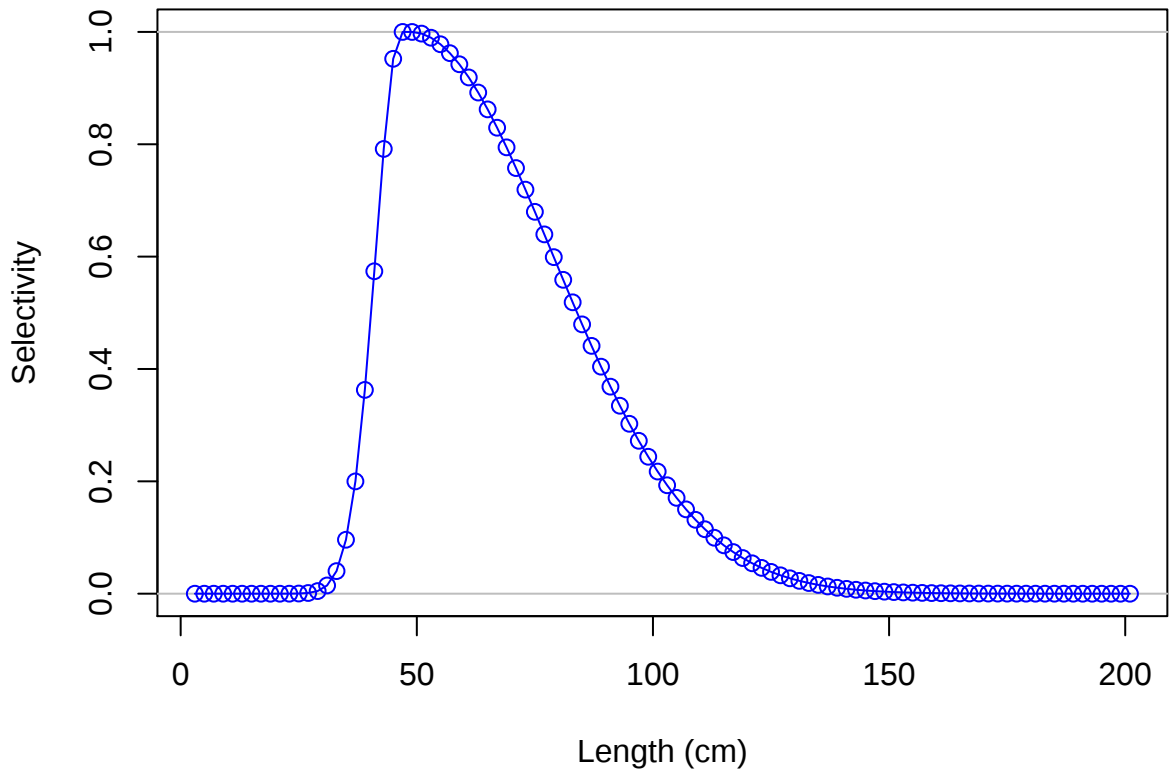
Male ending year selectivity for F3-OBJ_I



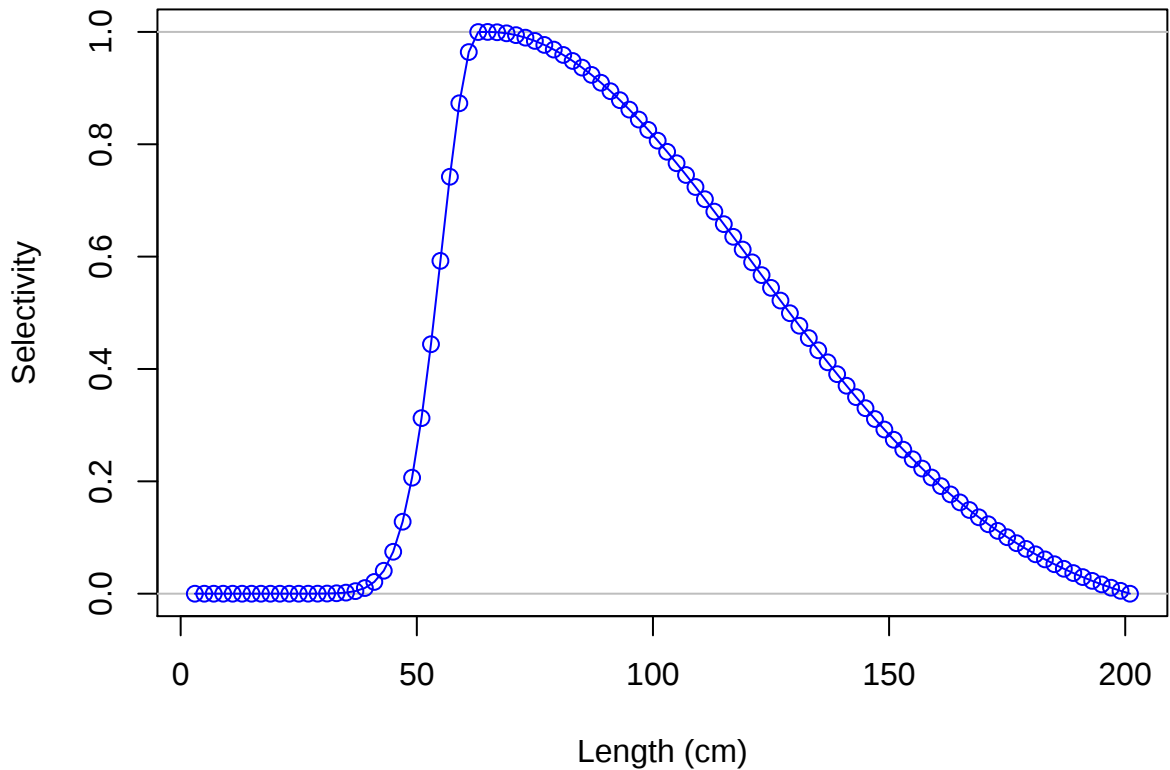
Female ending year selectivity for F4-OBJ_N



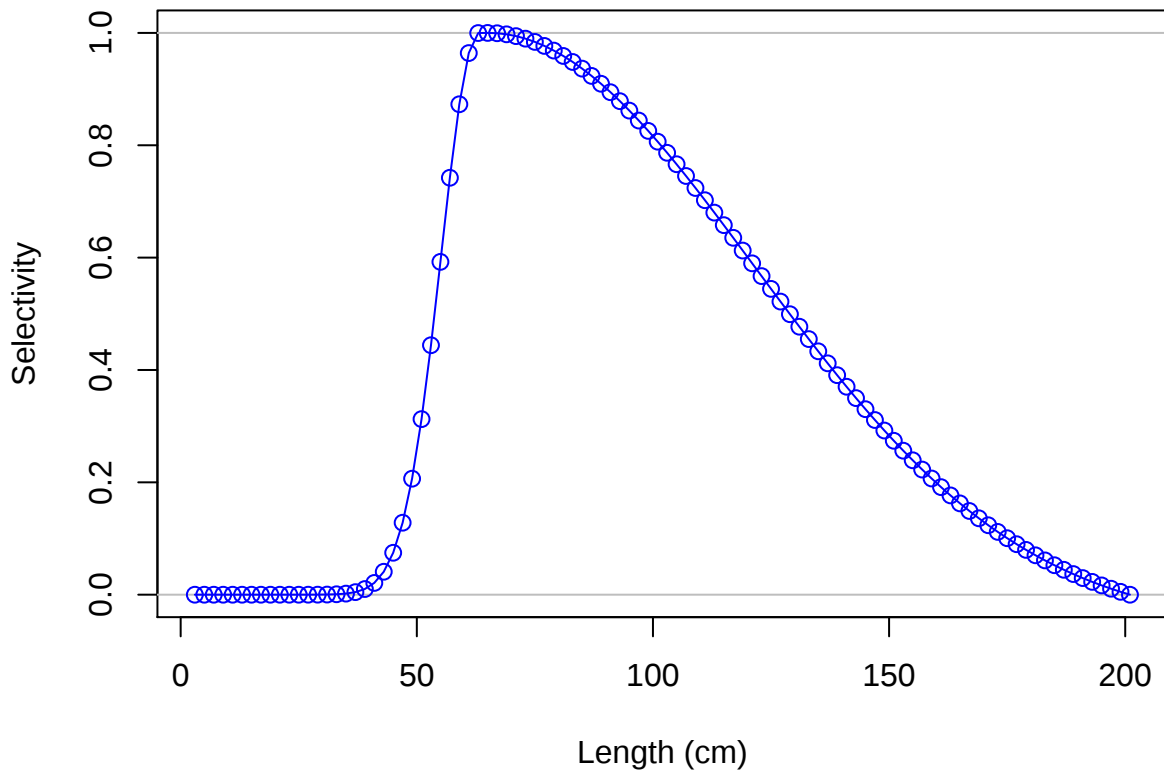
Male ending year selectivity for F4-OBJ_N



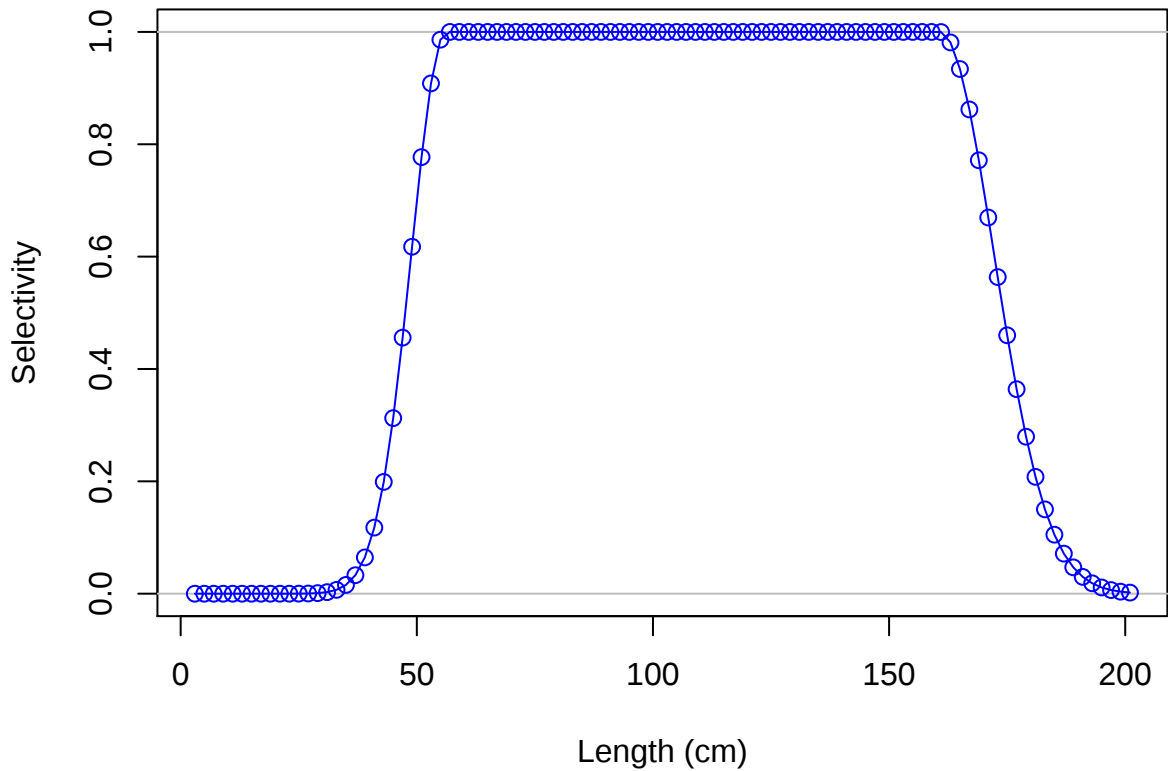
Female ending year selectivity for F5-NOA_N



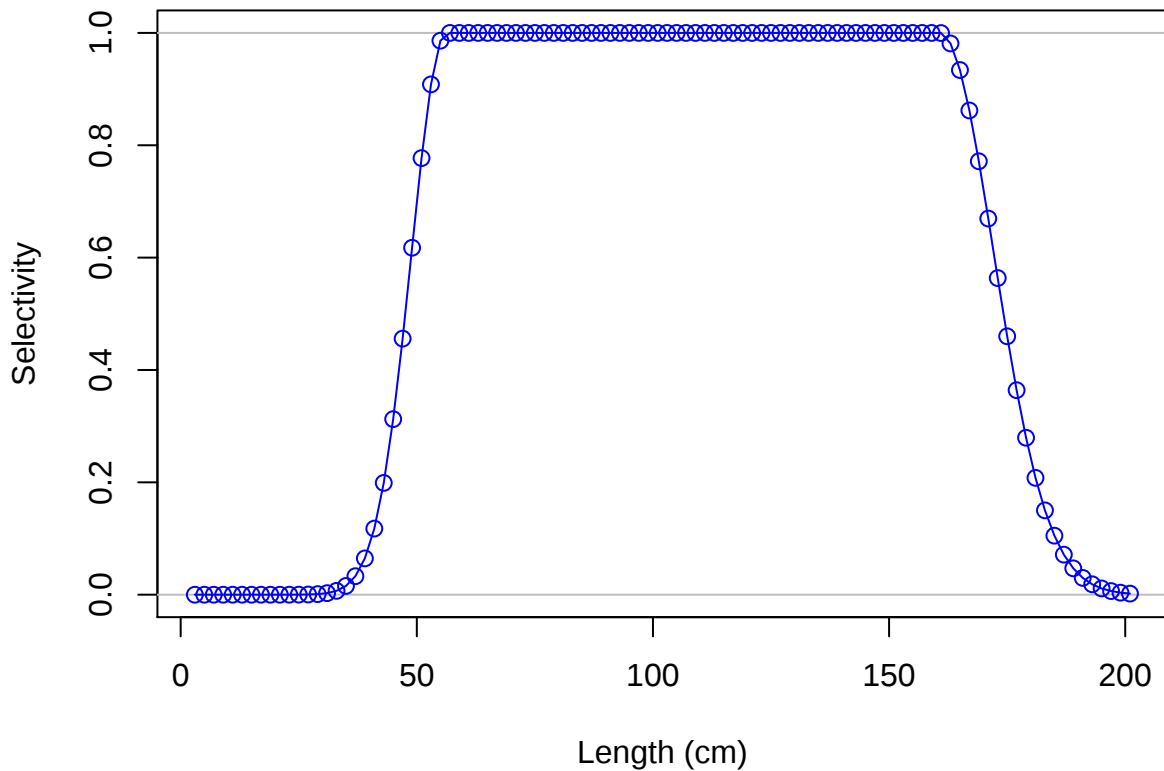
Male ending year selectivity for F5-NOA_N



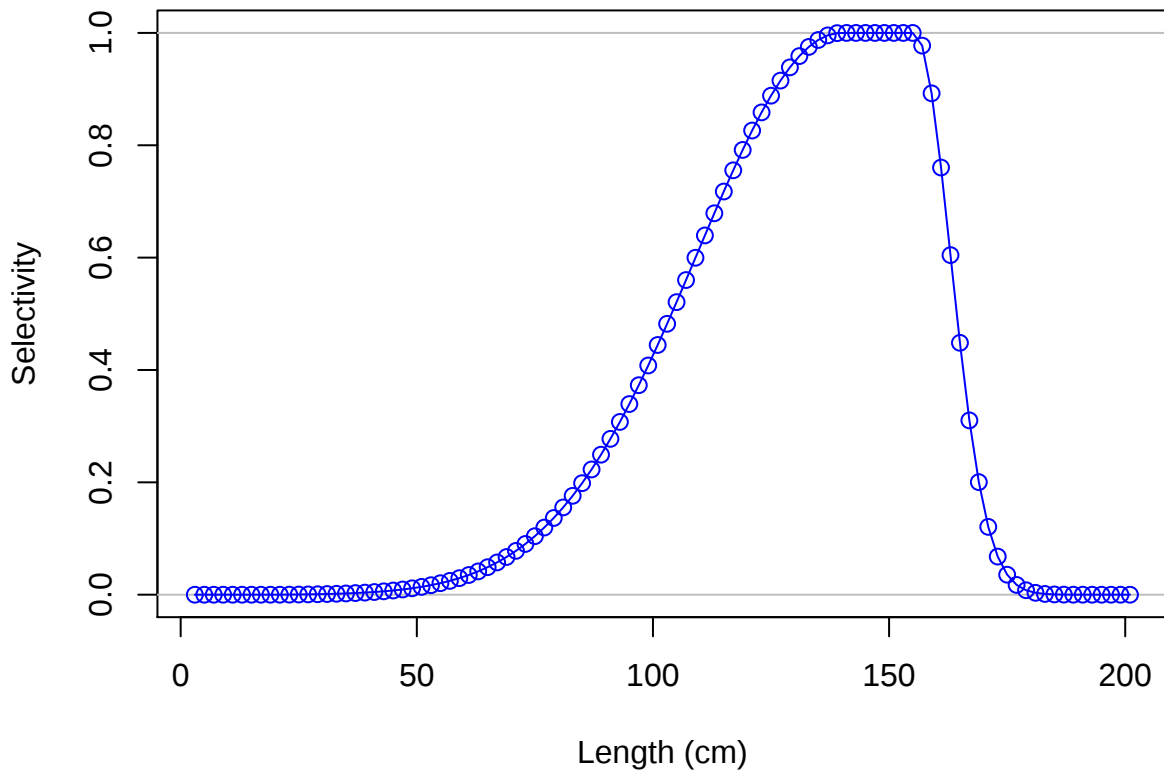
Female ending year selectivity for F6-NOA_S



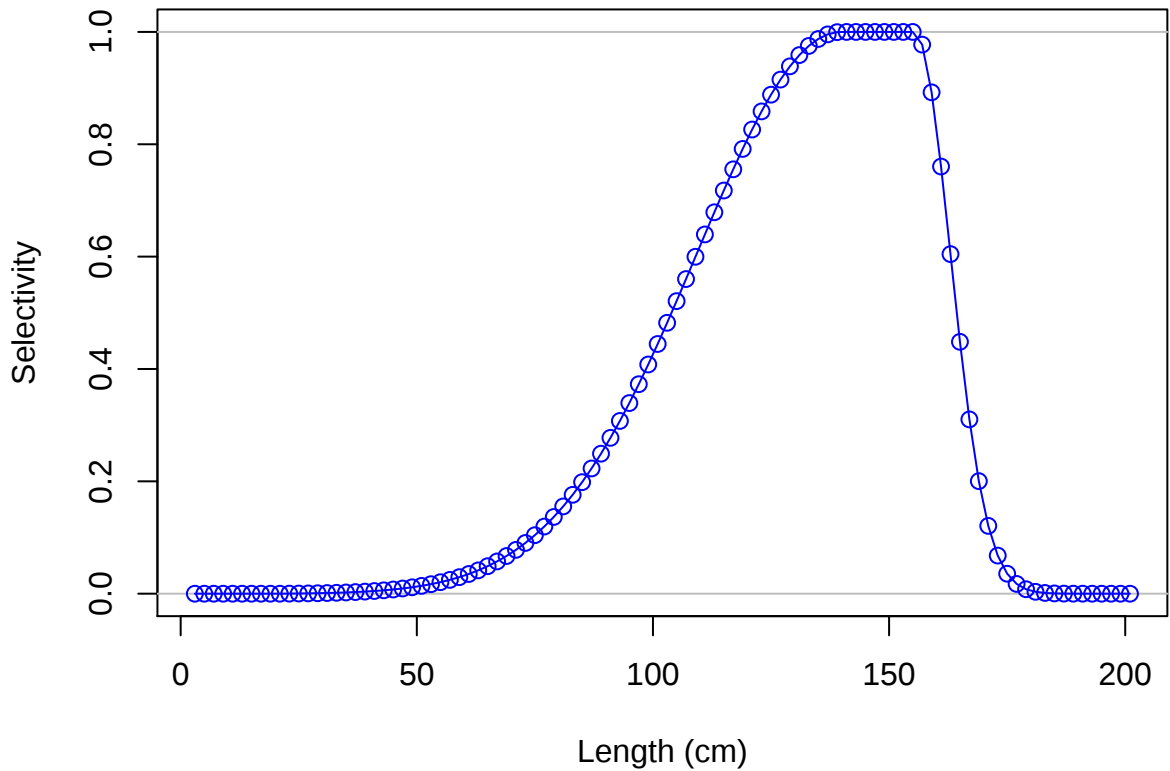
Male ending year selectivity for F6-NOA_S



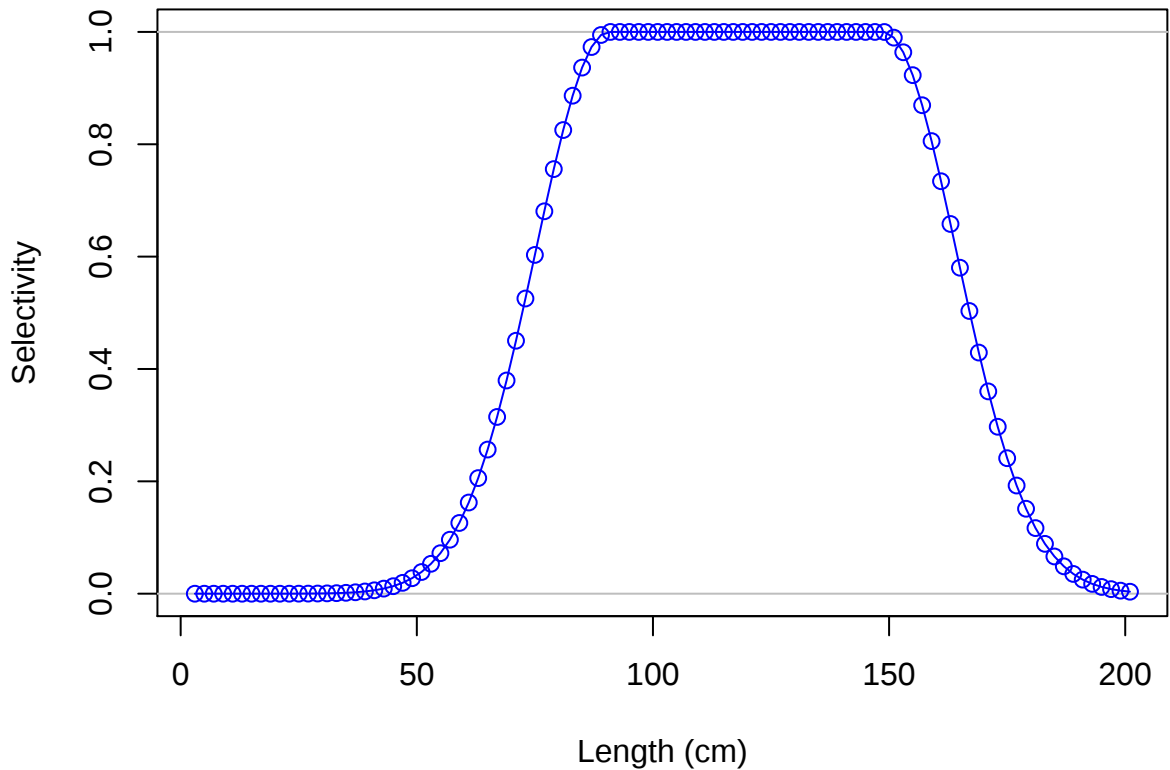
Female ending year selectivity for F7-DEL_N



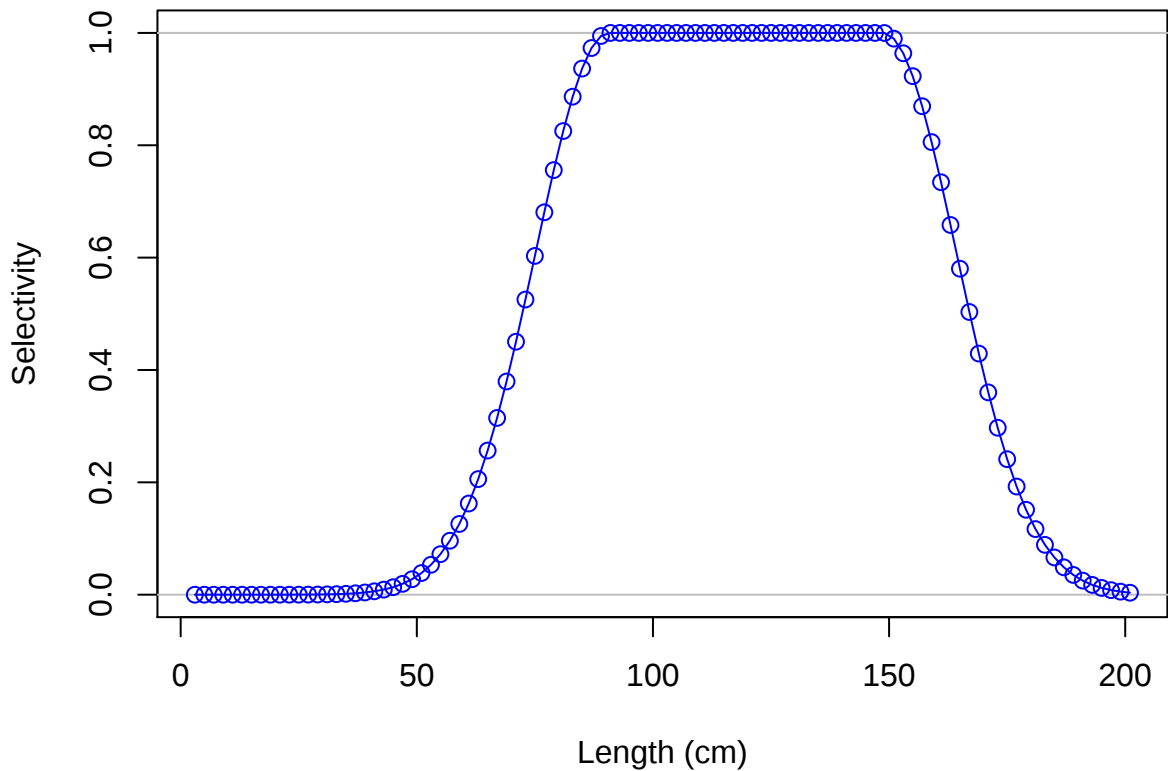
Male ending year selectivity for F7-DEL_N



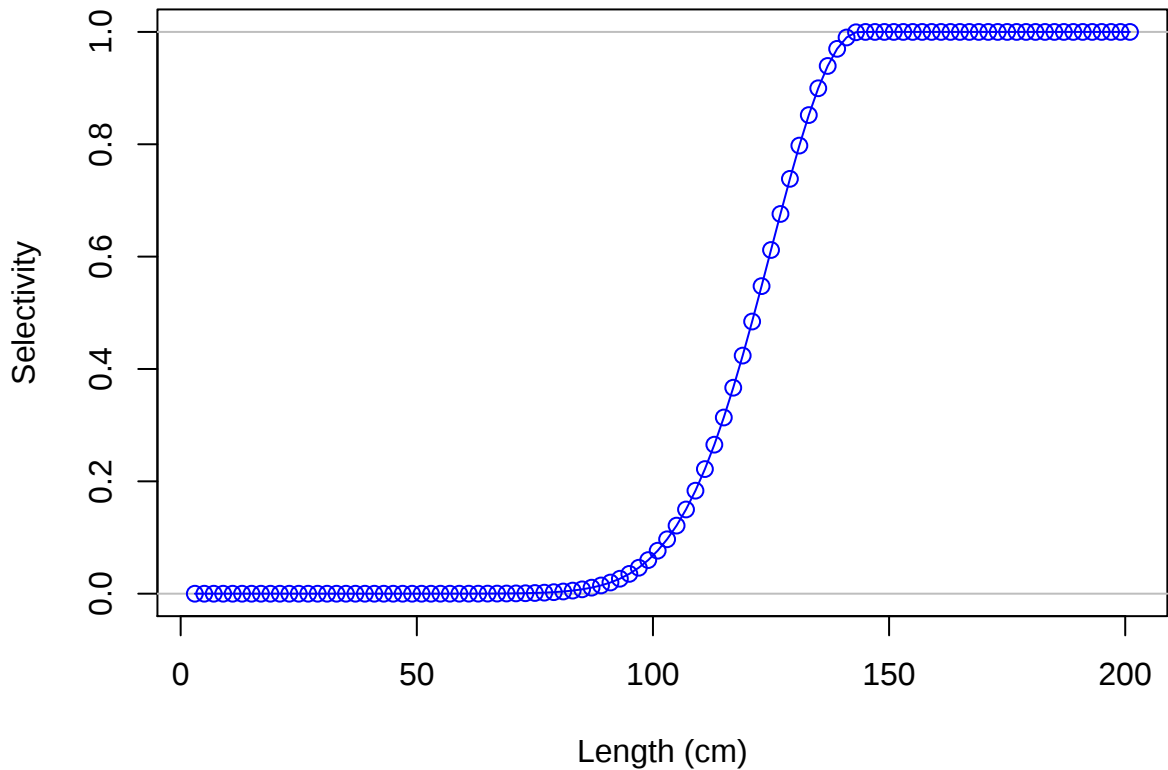
Female ending year selectivity for F8-DEL_I



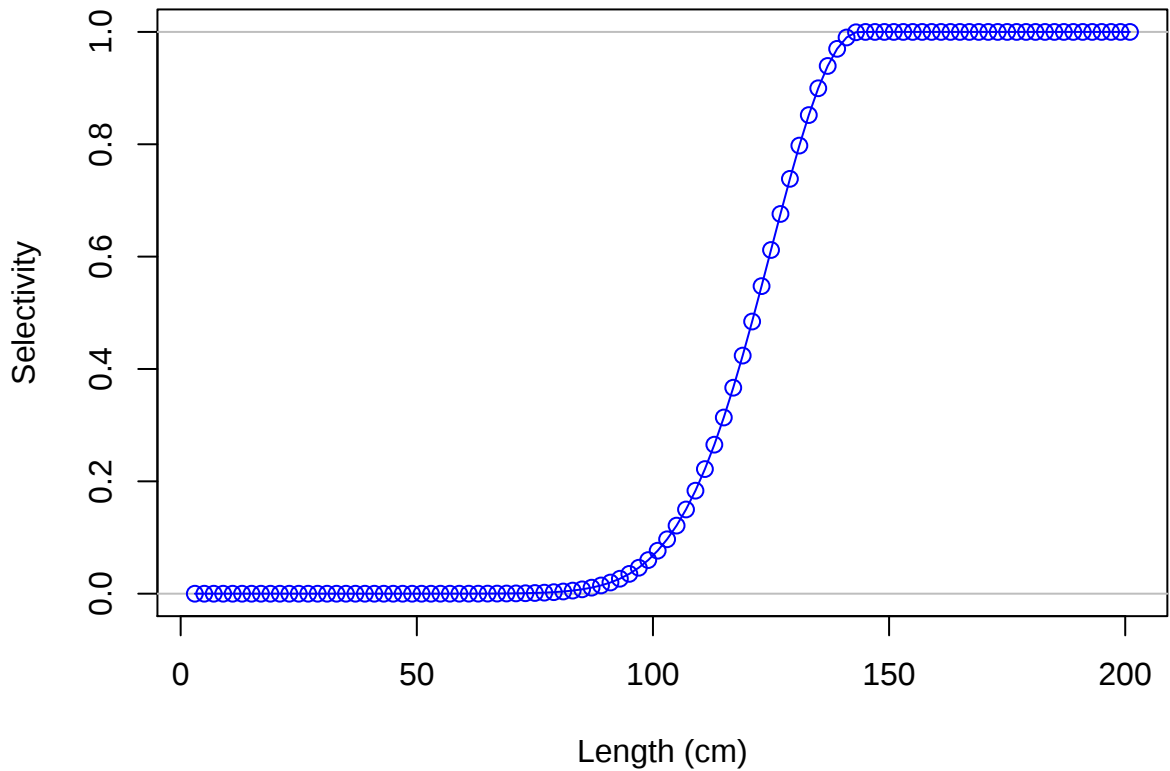
Male ending year selectivity for F8-DEL_I



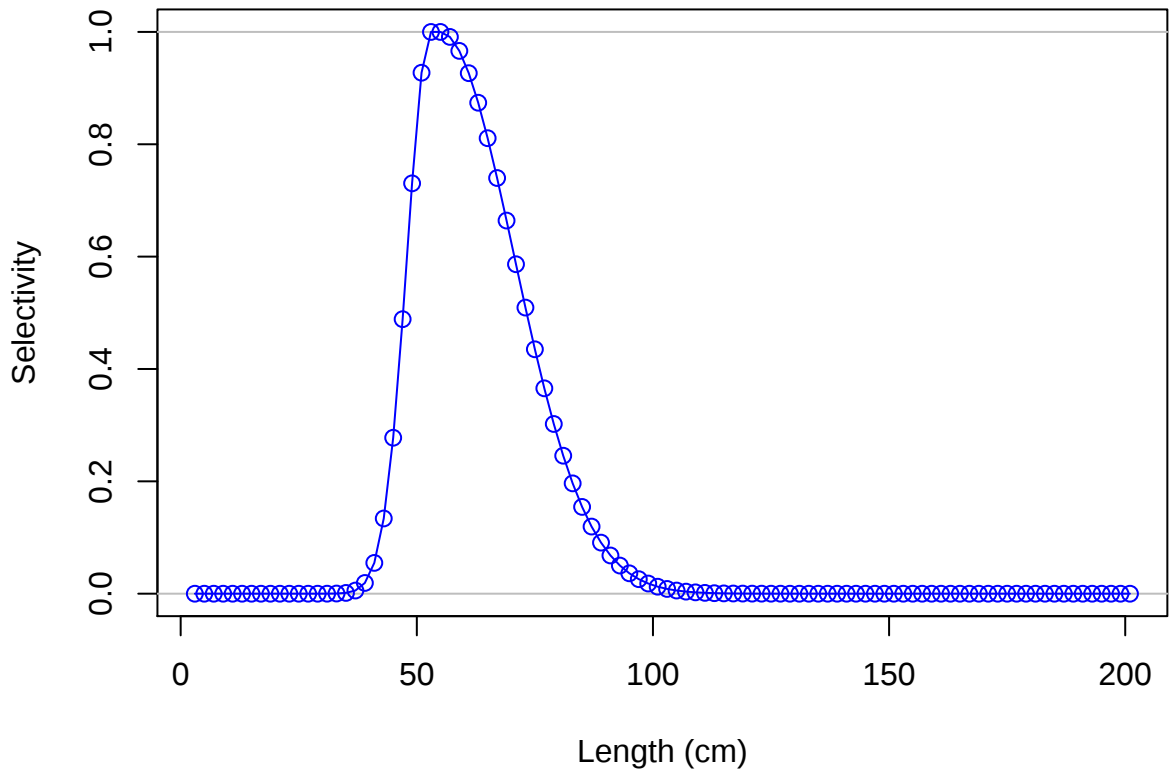
Female ending year selectivity for F9-DEL_S



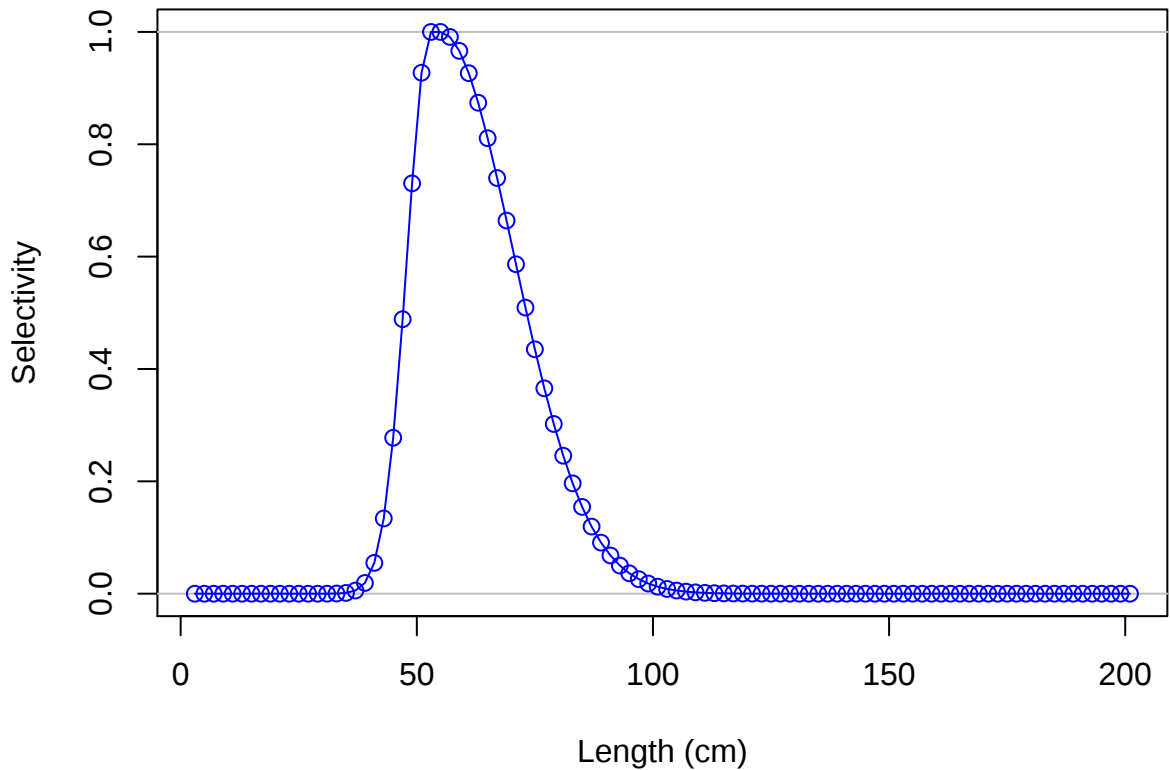
Male ending year selectivity for F9-DEL_S



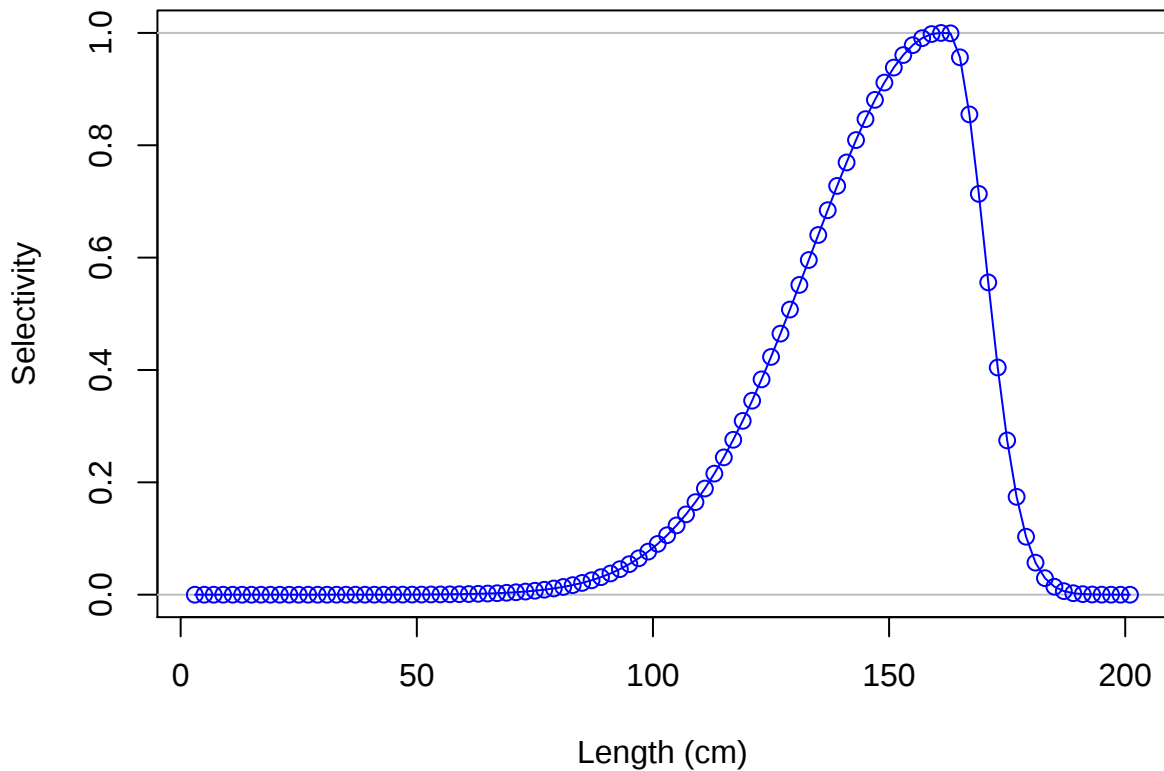
Female ending year selectivity for F10-BB



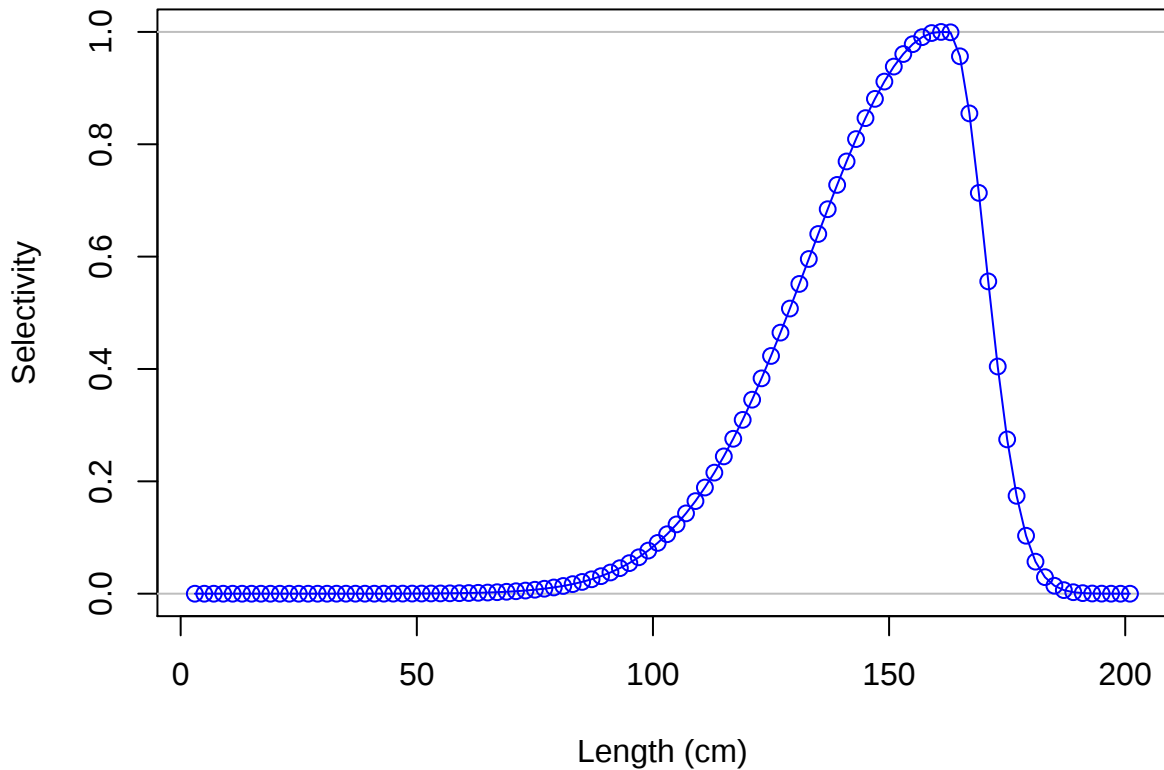
Male ending year selectivity for F10-BB



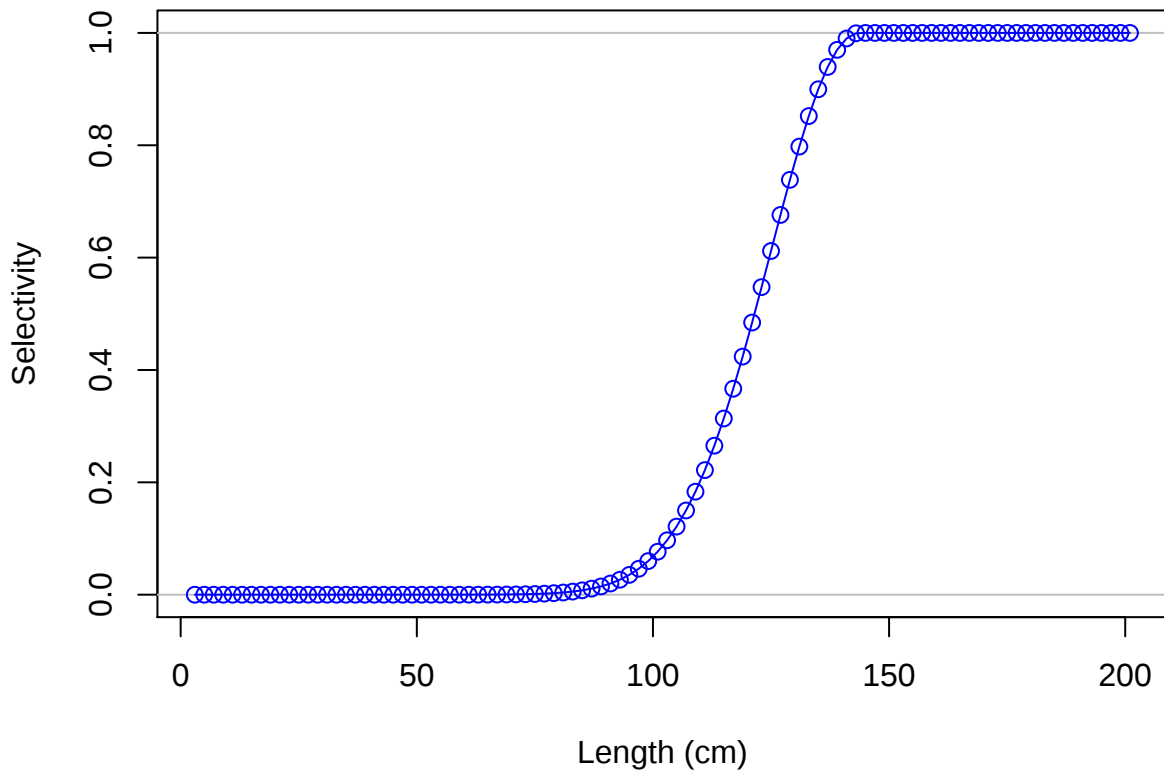
Female ending year selectivity for F11-LL_N



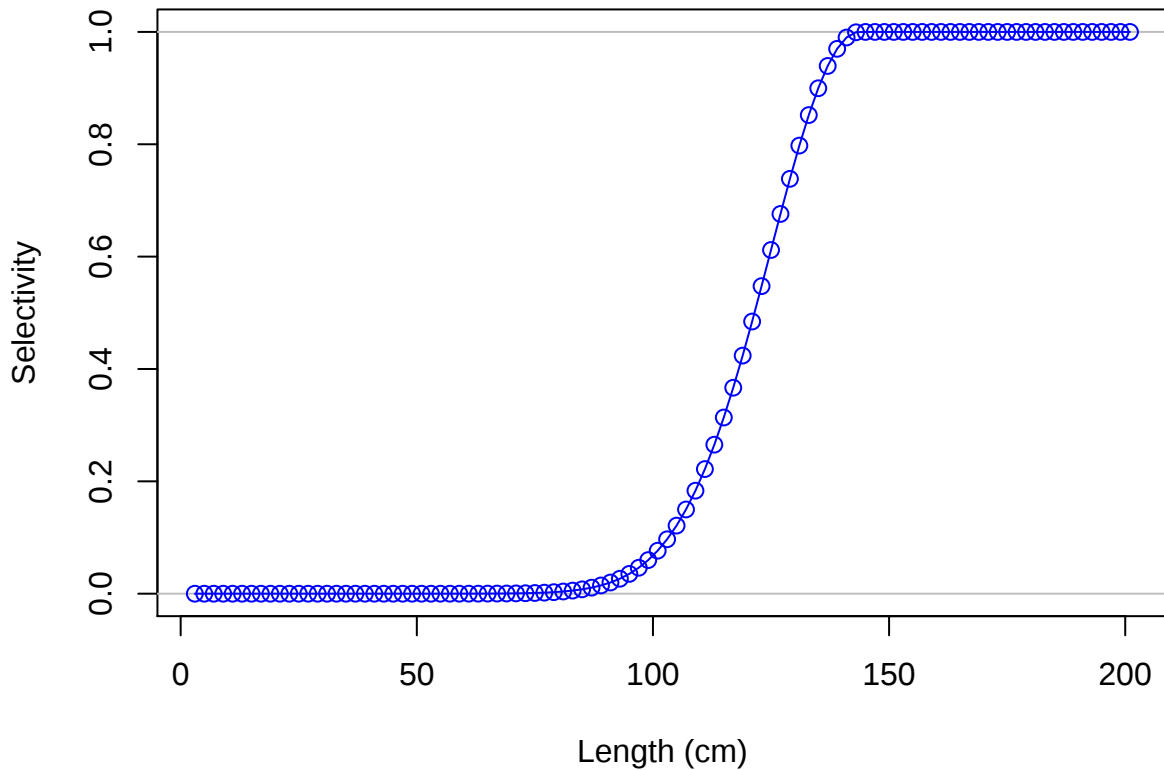
Male ending year selectivity for F11-LL_N



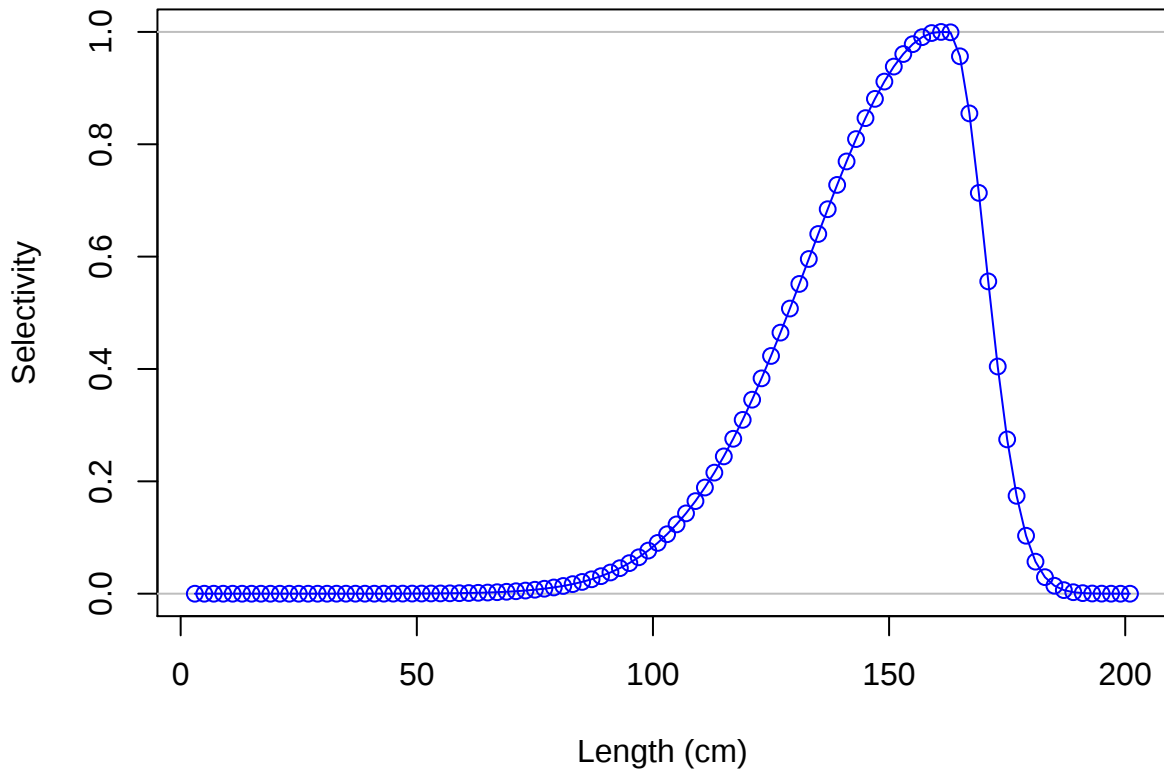
Female ending year selectivity for F12-LL_S



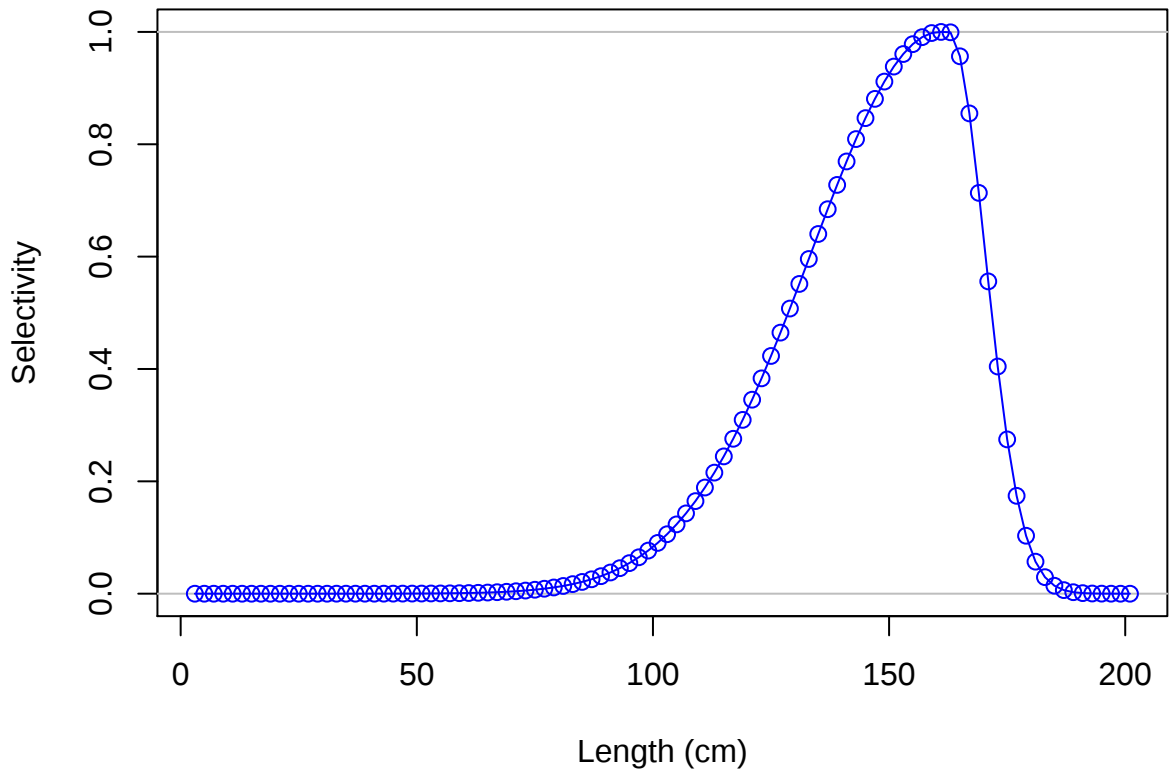
Male ending year selectivity for F12-LL_S



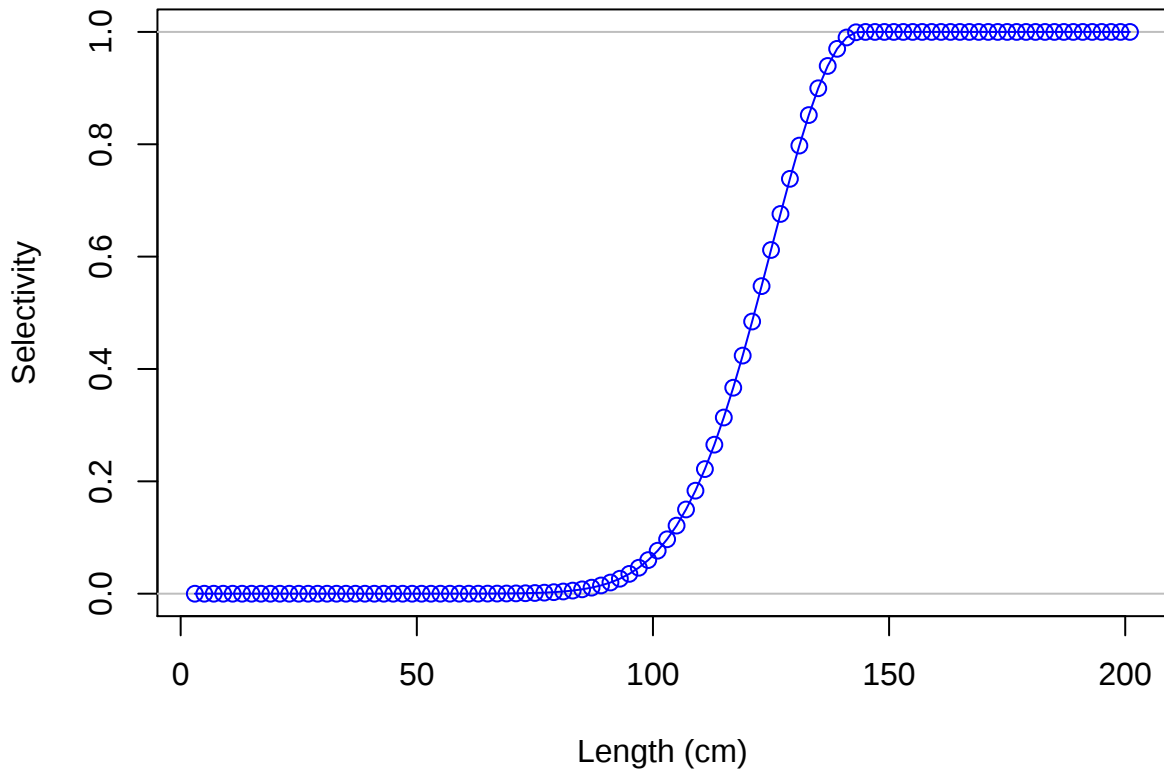
Female ending year selectivity for S1-LLc_N_Weight



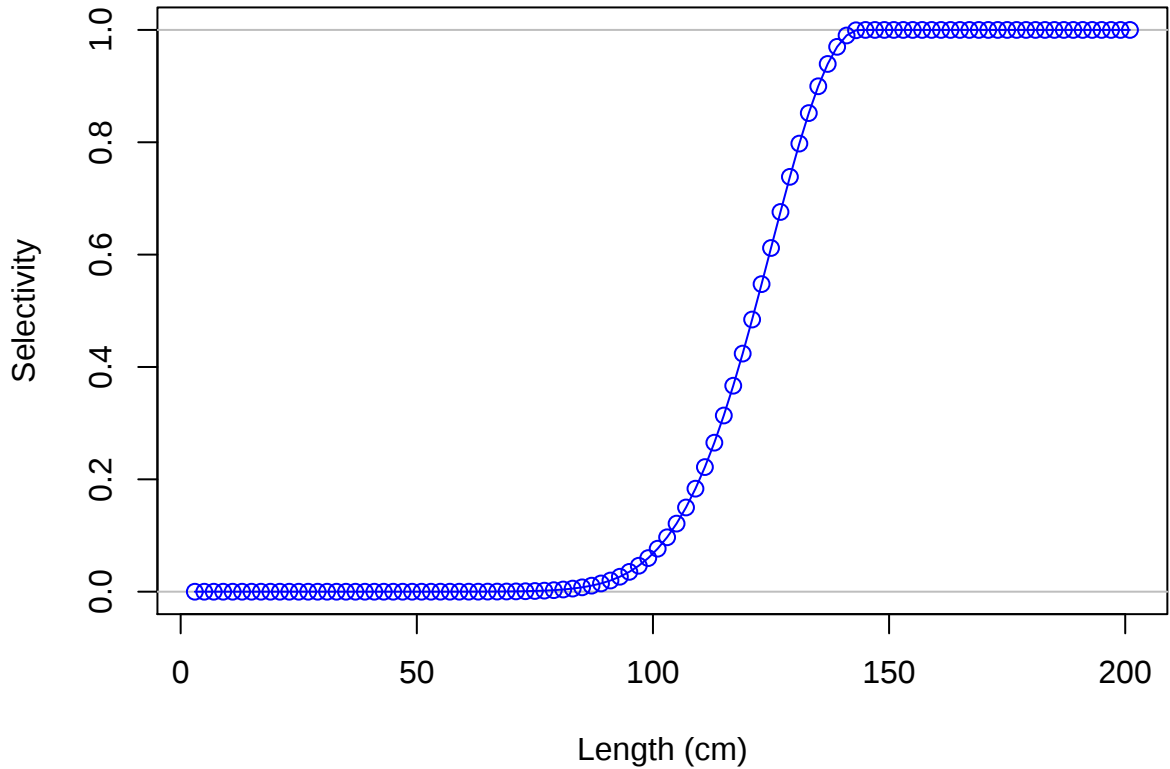
Male ending year selectivity for S1-LLc_N_Weight



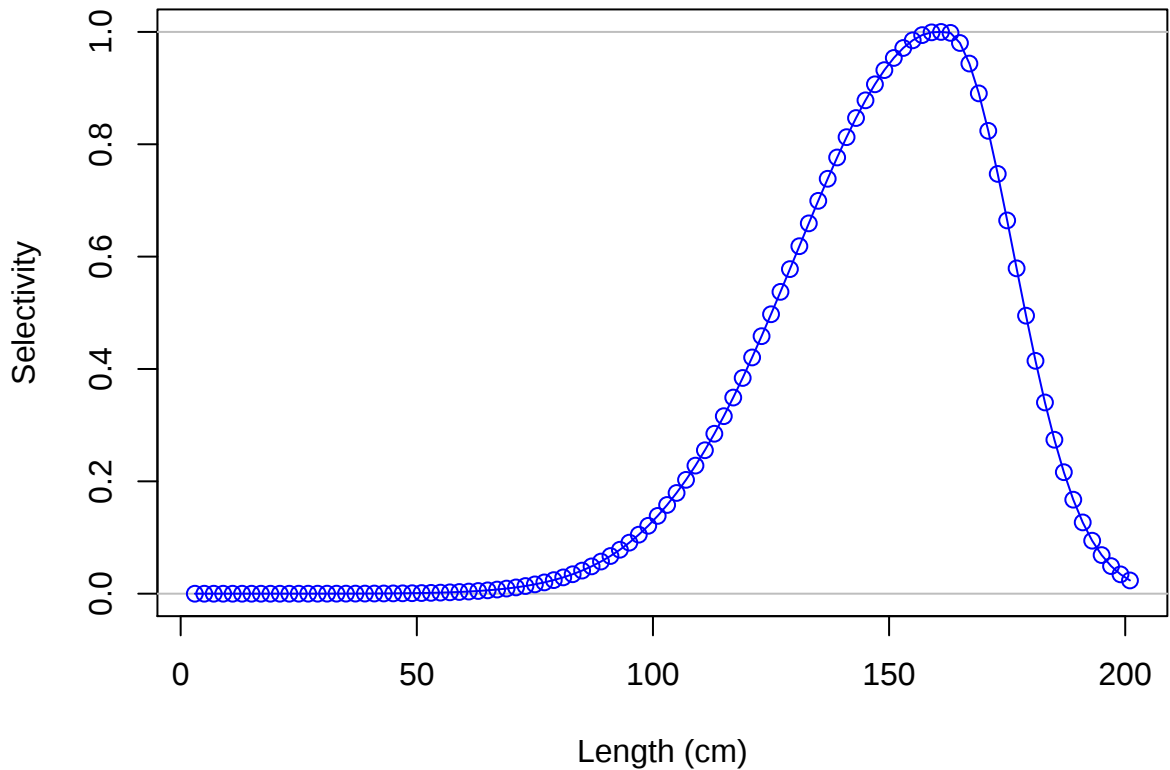
Female ending year selectivity for S2-LLc_S_Weight



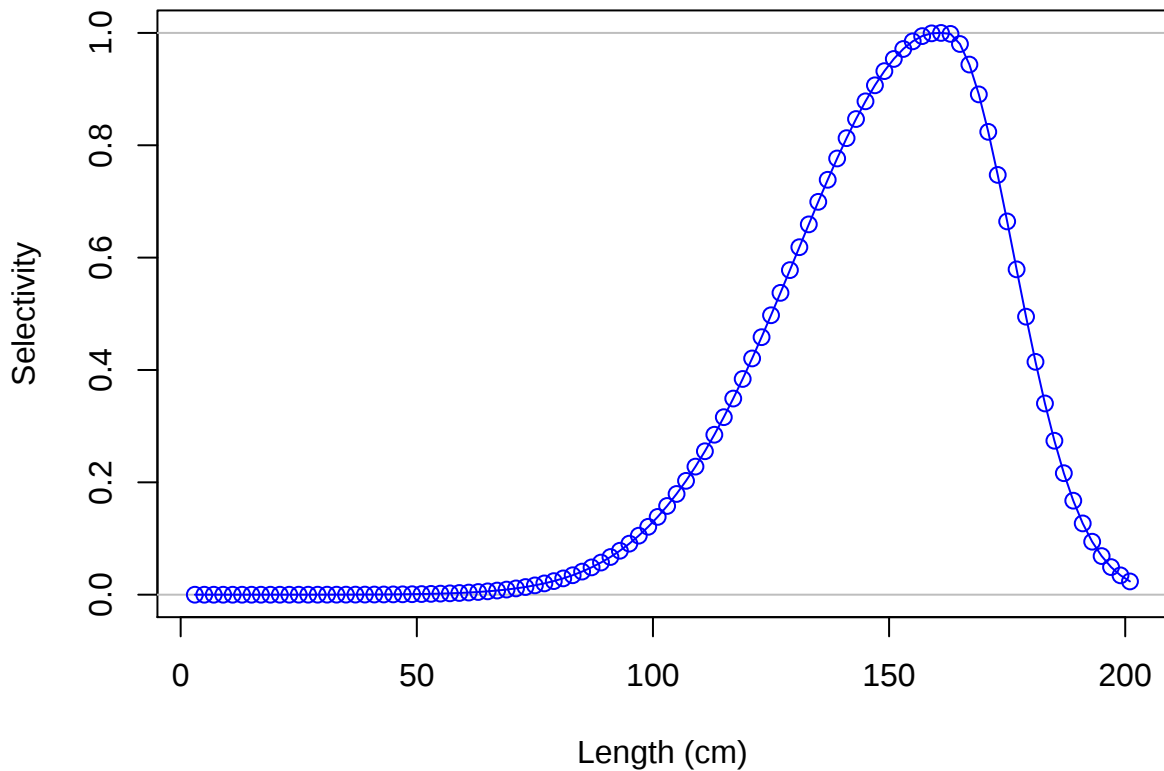
Male ending year selectivity for S2-LLc_S_Weight



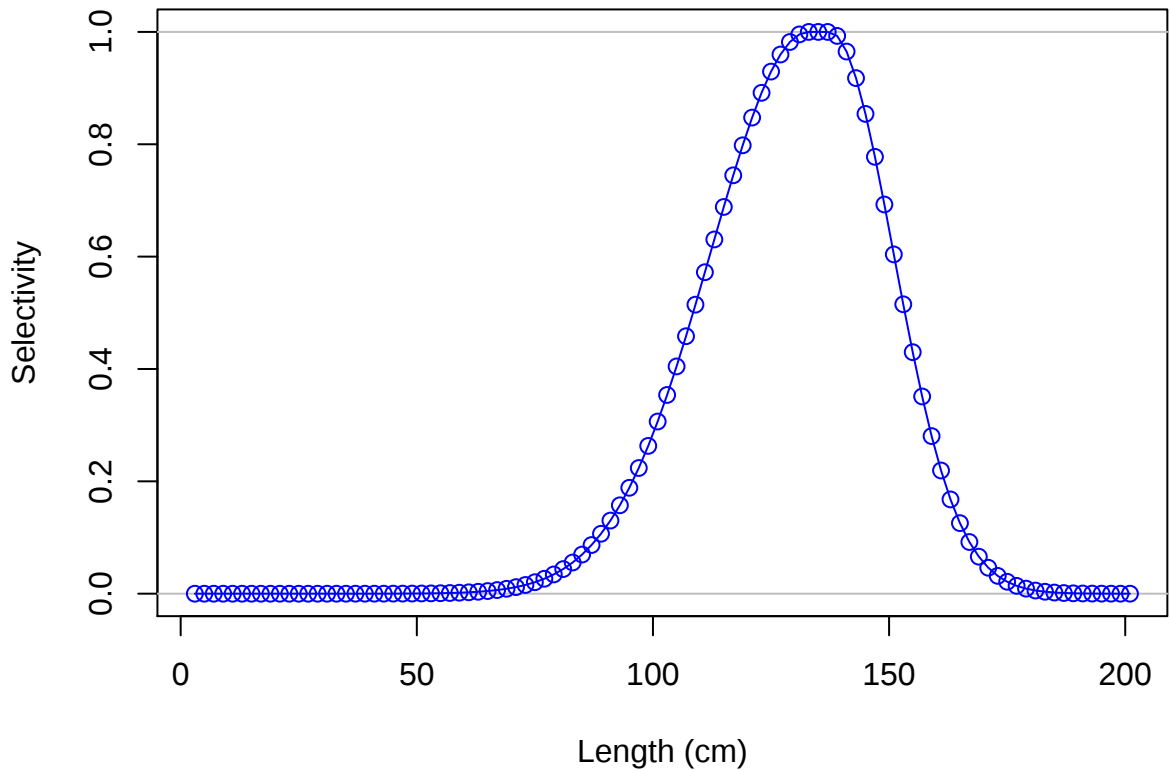
Female ending year selectivity for S3-LLt_N_Length



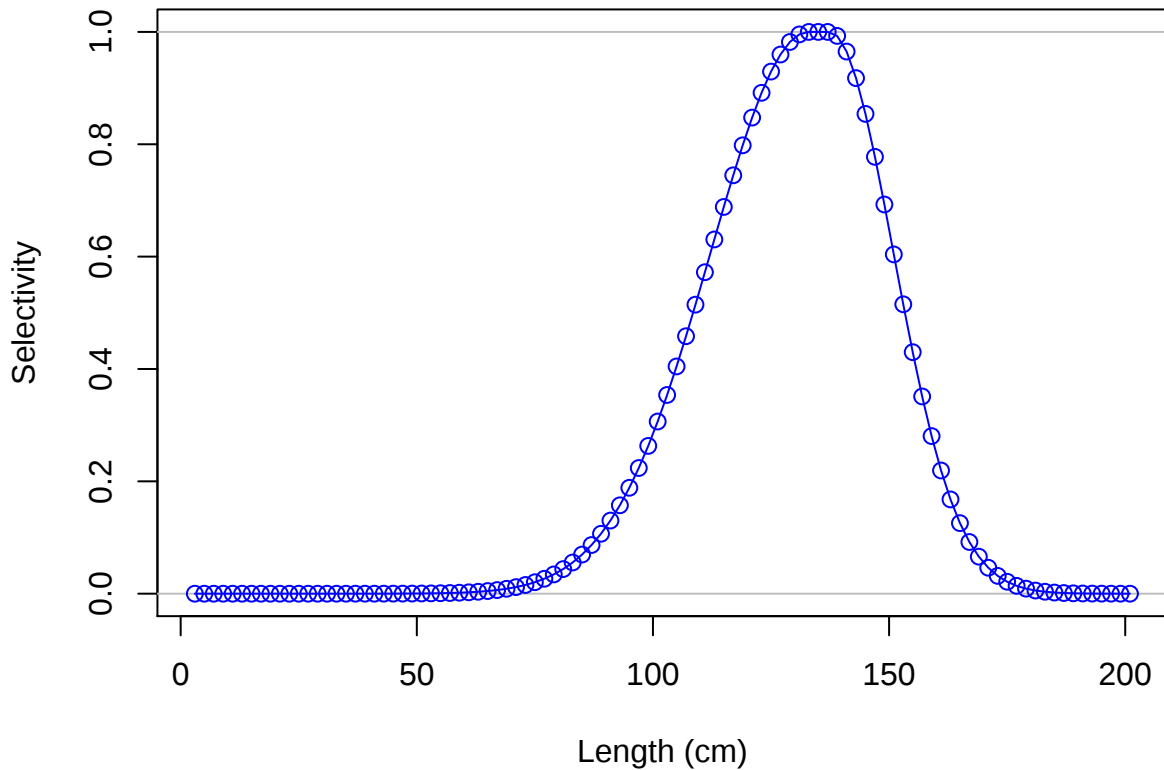
Male ending year selectivity for S3-LLt_N_Length



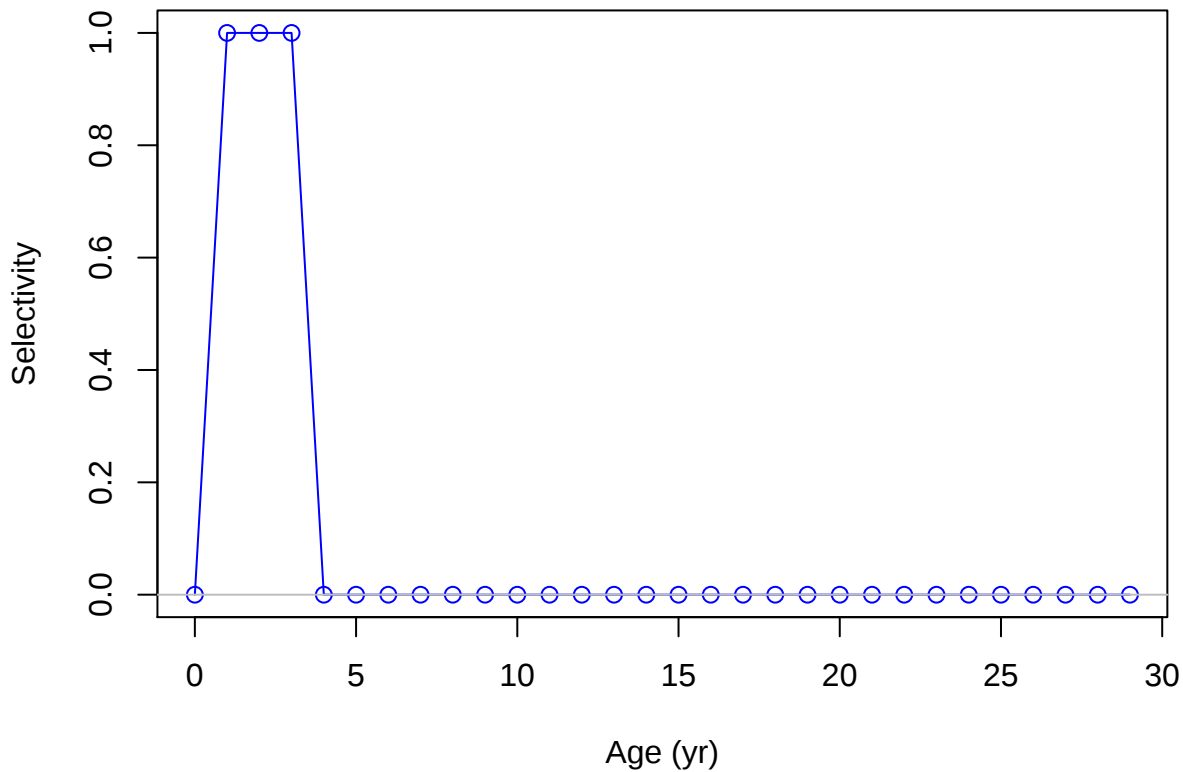
Female ending year selectivity for S4-LLt_S_Length



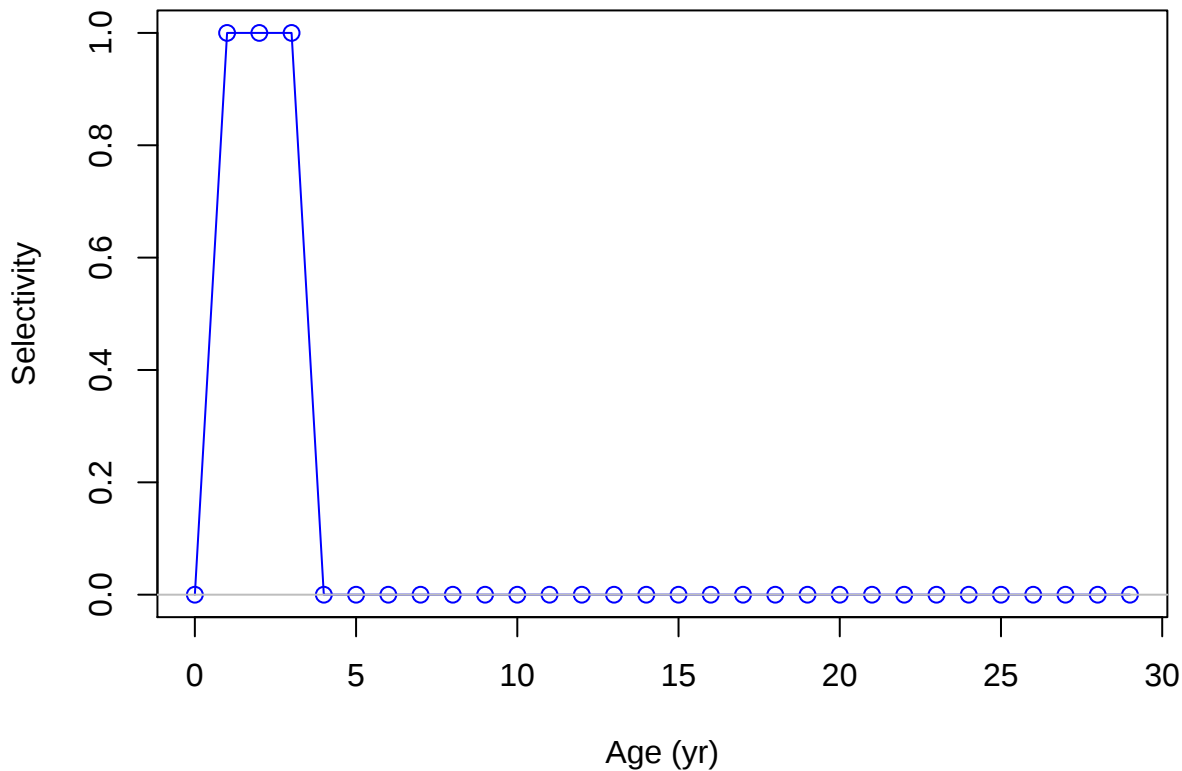
Male ending year selectivity for S4-LLt_S_Length



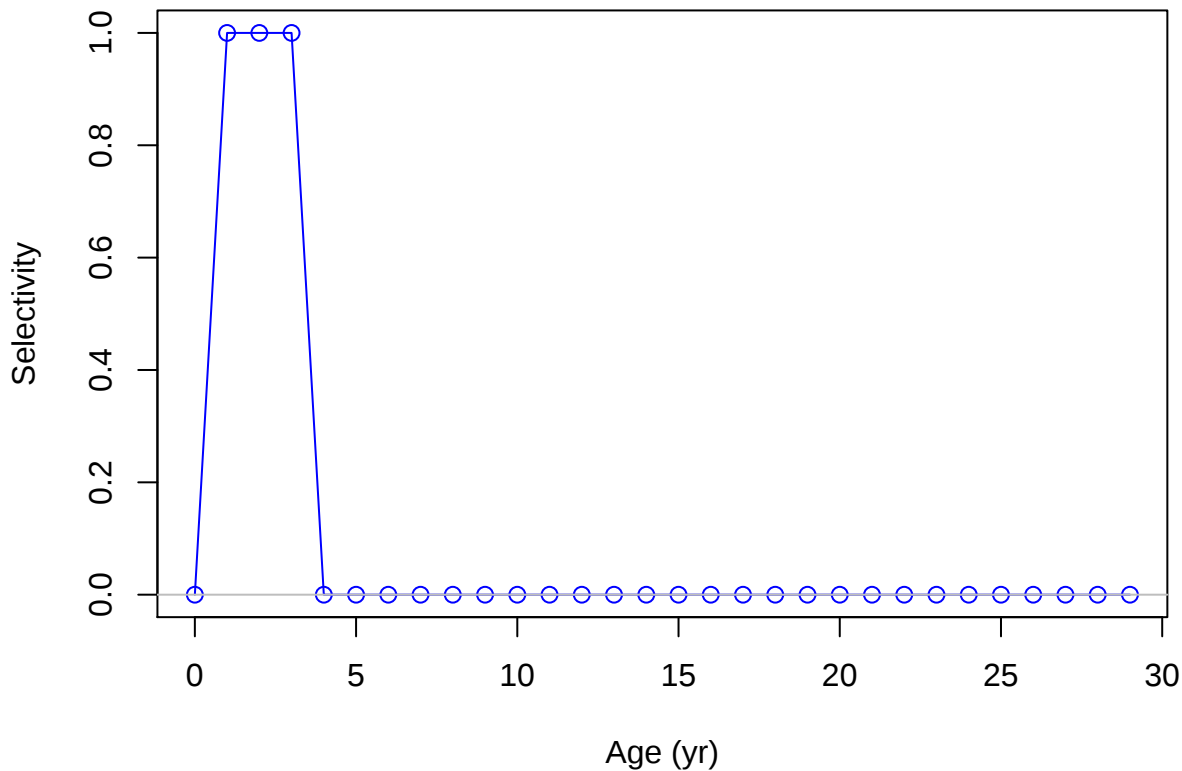
Female ending year selectivity for F13-OBJ_S_disc



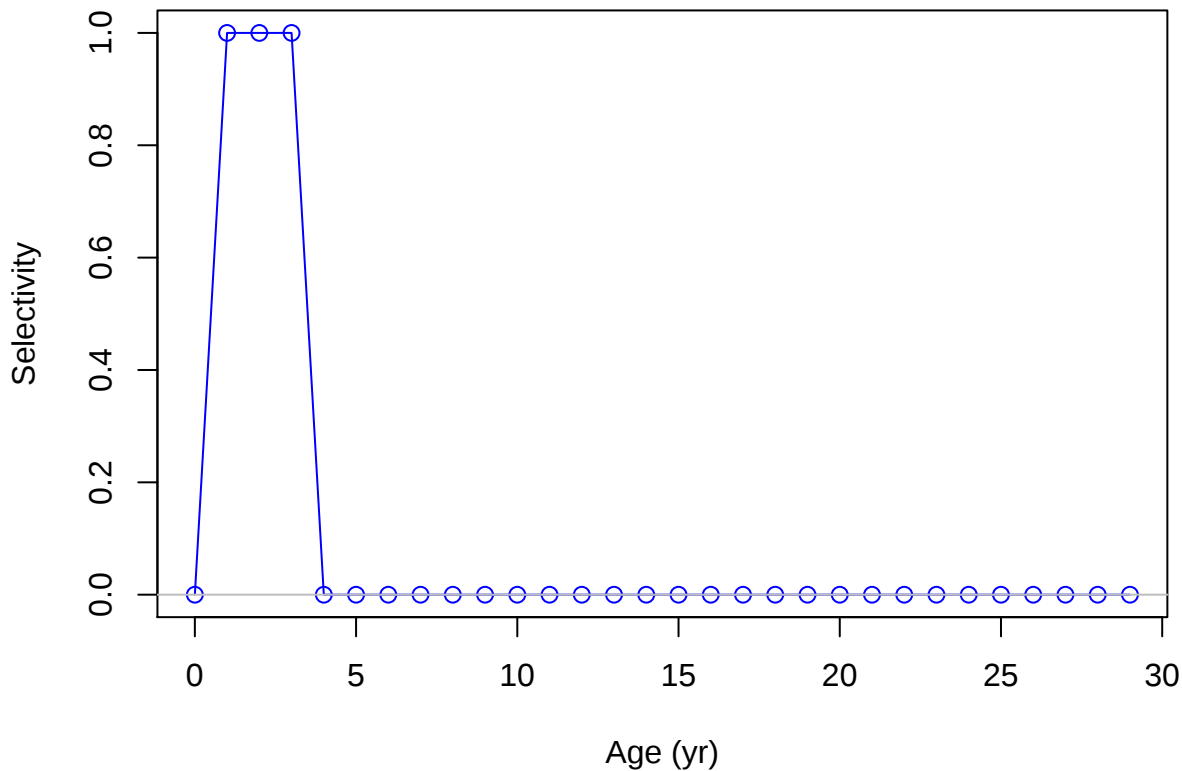
Male ending year selectivity for F13-OBJ_S_disc



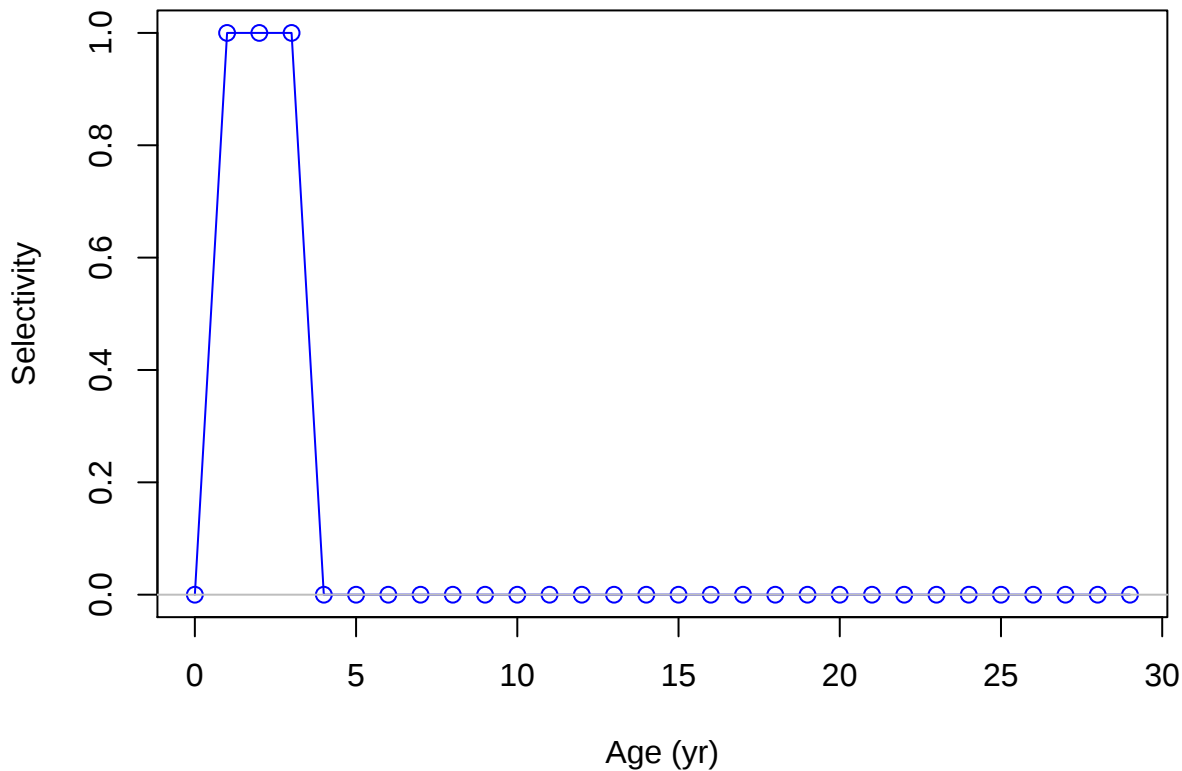
Female ending year selectivity for F14-OBJ_C_disc



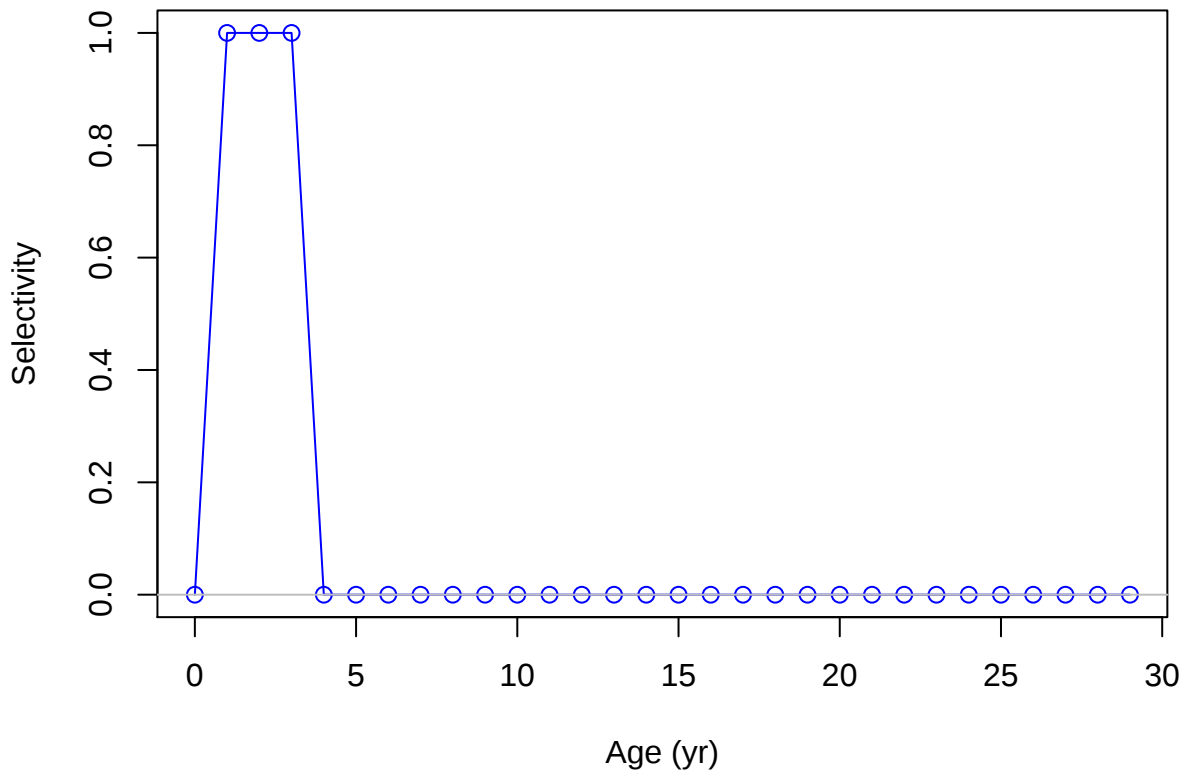
Male ending year selectivity for F14-OBJ_C_disc



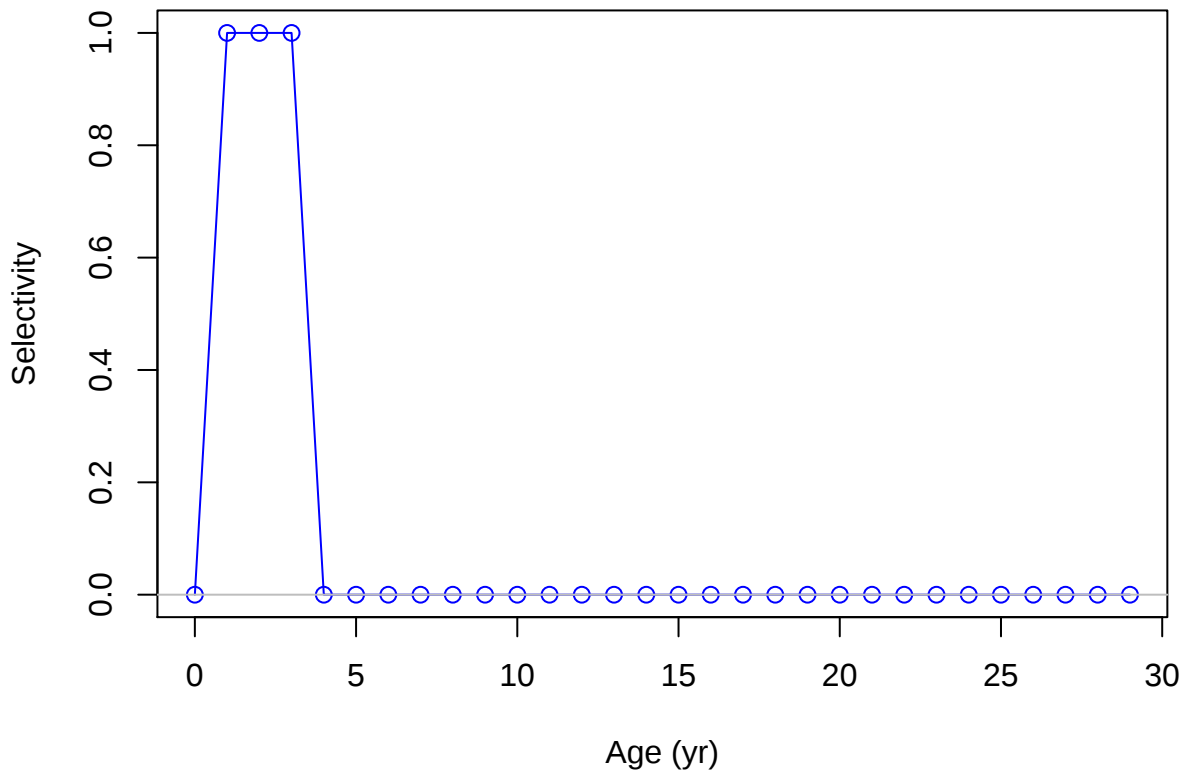
Female ending year selectivity for F15-OBJ_I_disc



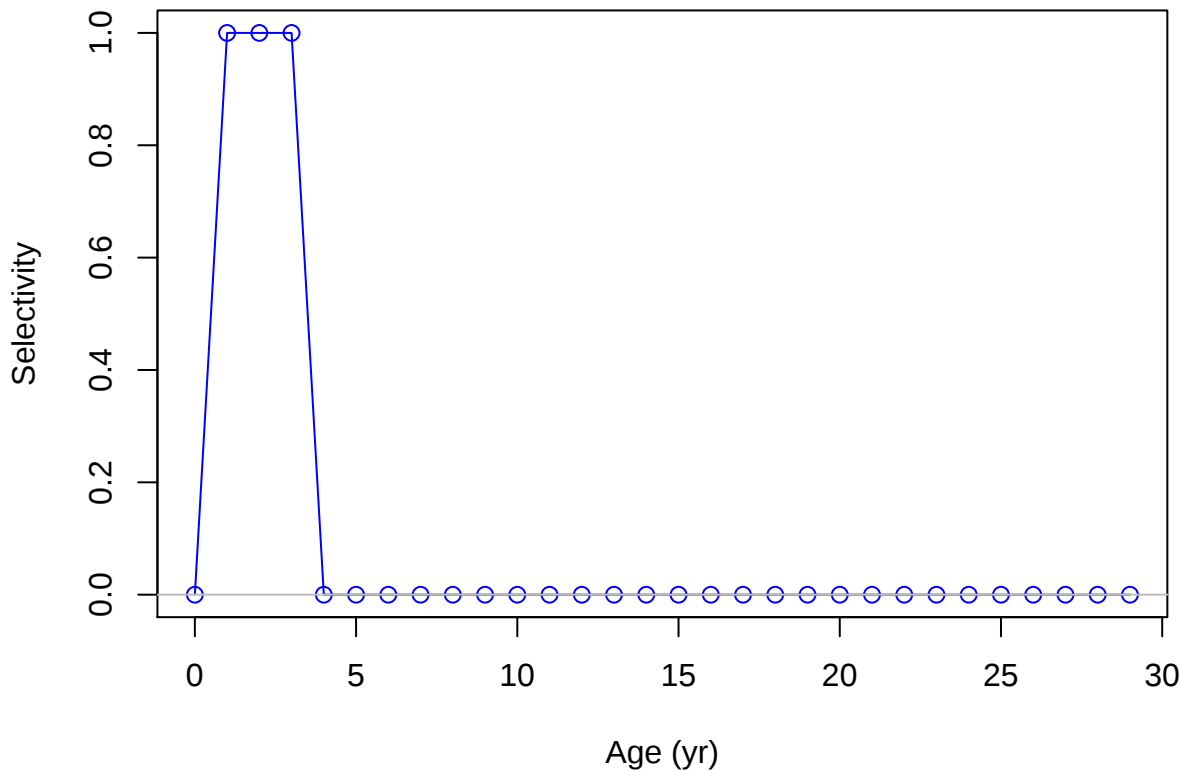
Male ending year selectivity for F15-OBJ_I_disc



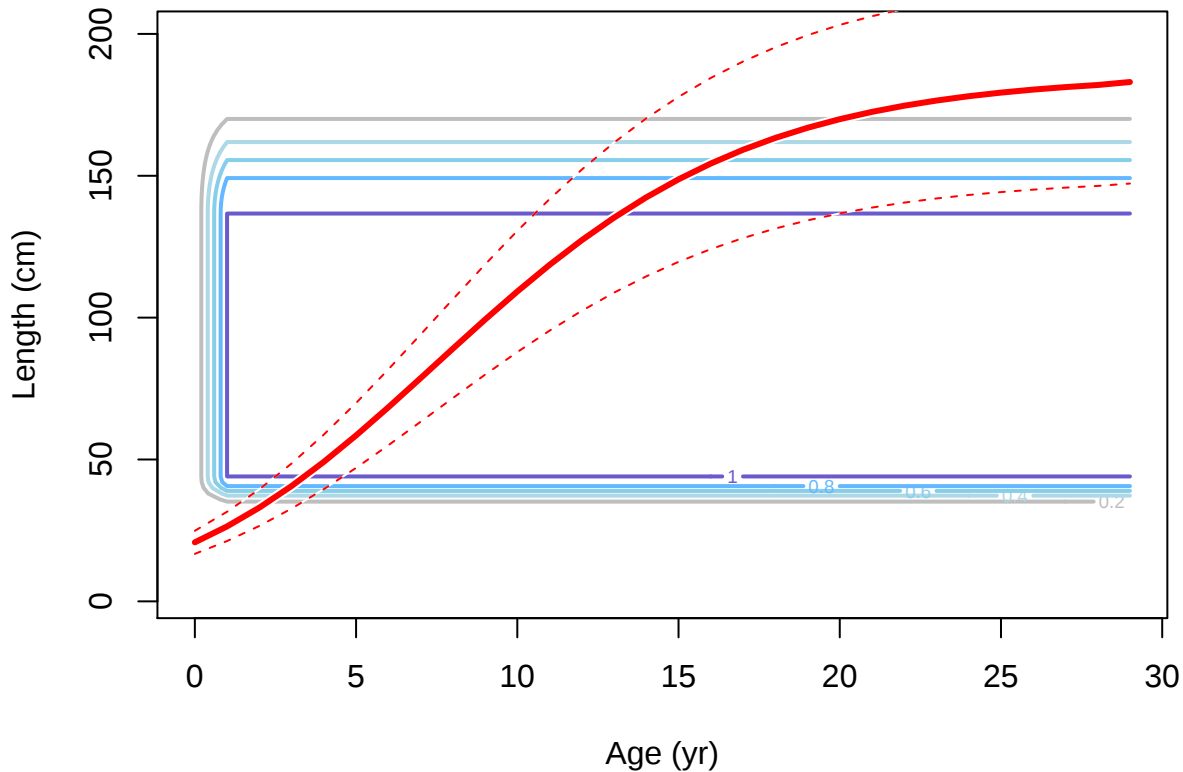
Female ending year selectivity for F16-OBJ_N_disc



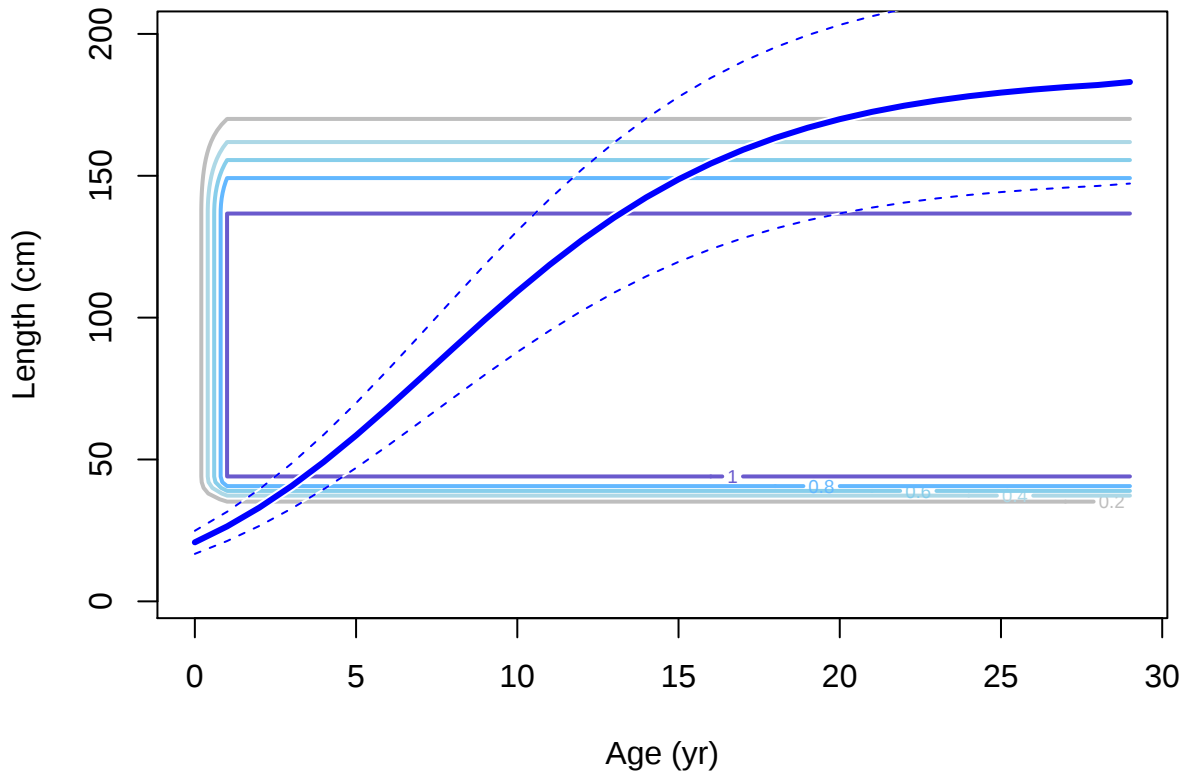
Male ending year selectivity for F16-OBJ_N_disc



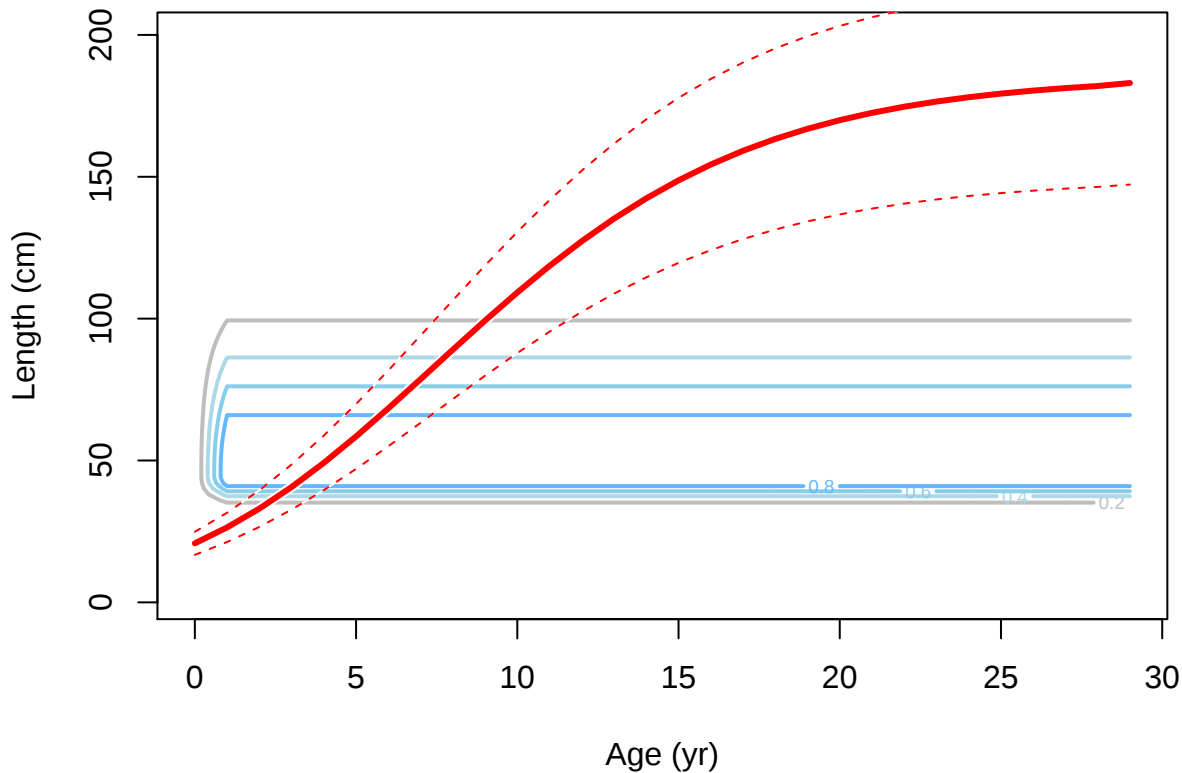
Female ending year selectivity and growth for F1-OBJ_S



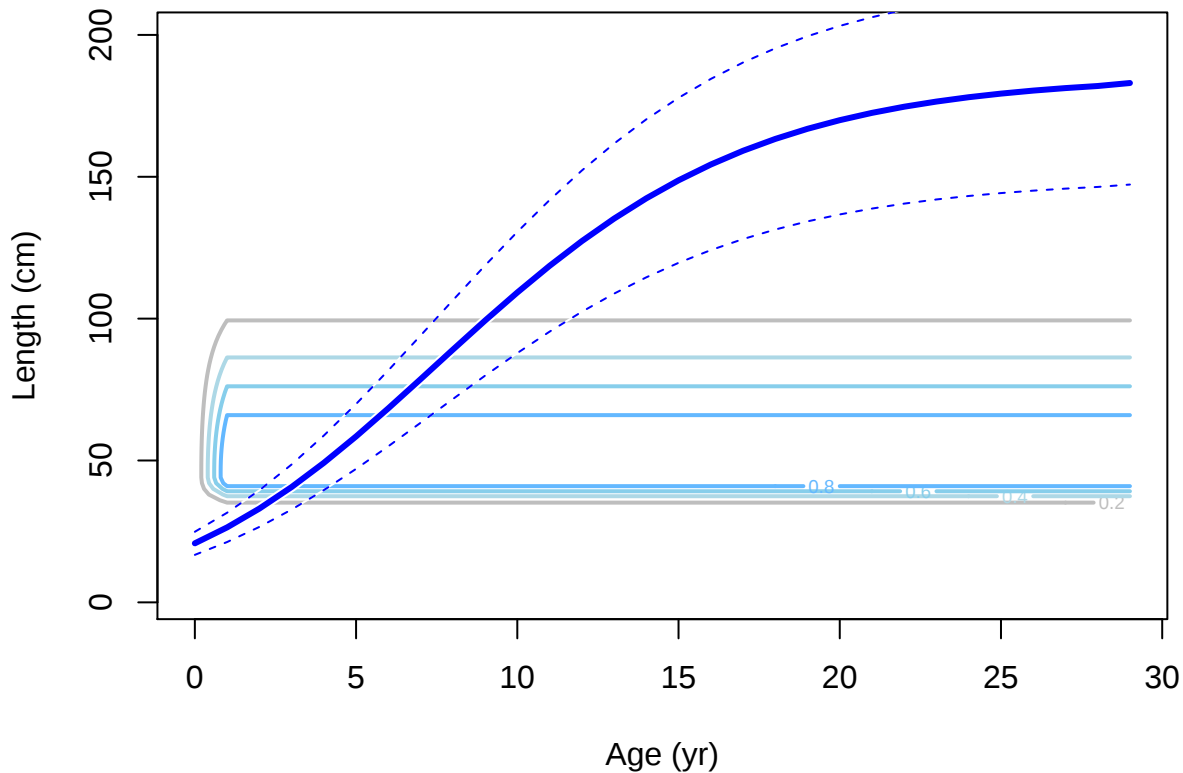
Male ending year selectivity and growth for F1-OBJ_S



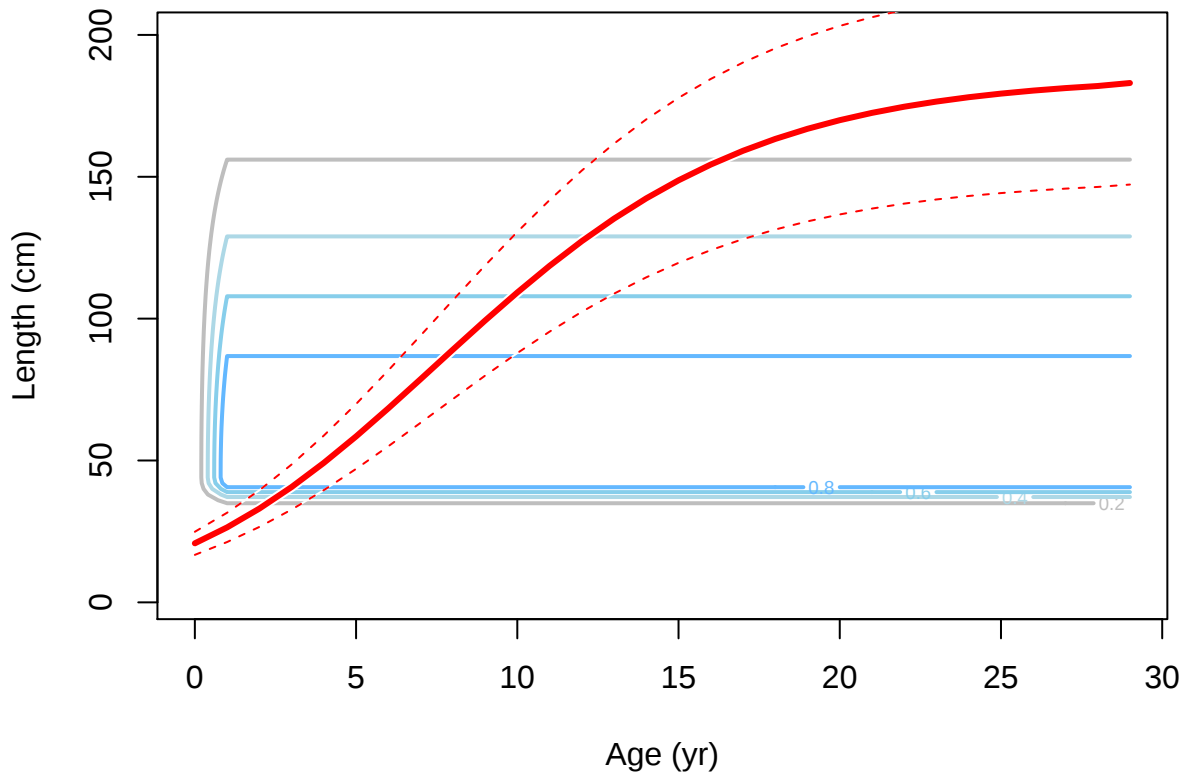
Female ending year selectivity and growth for F2-OBJ_C



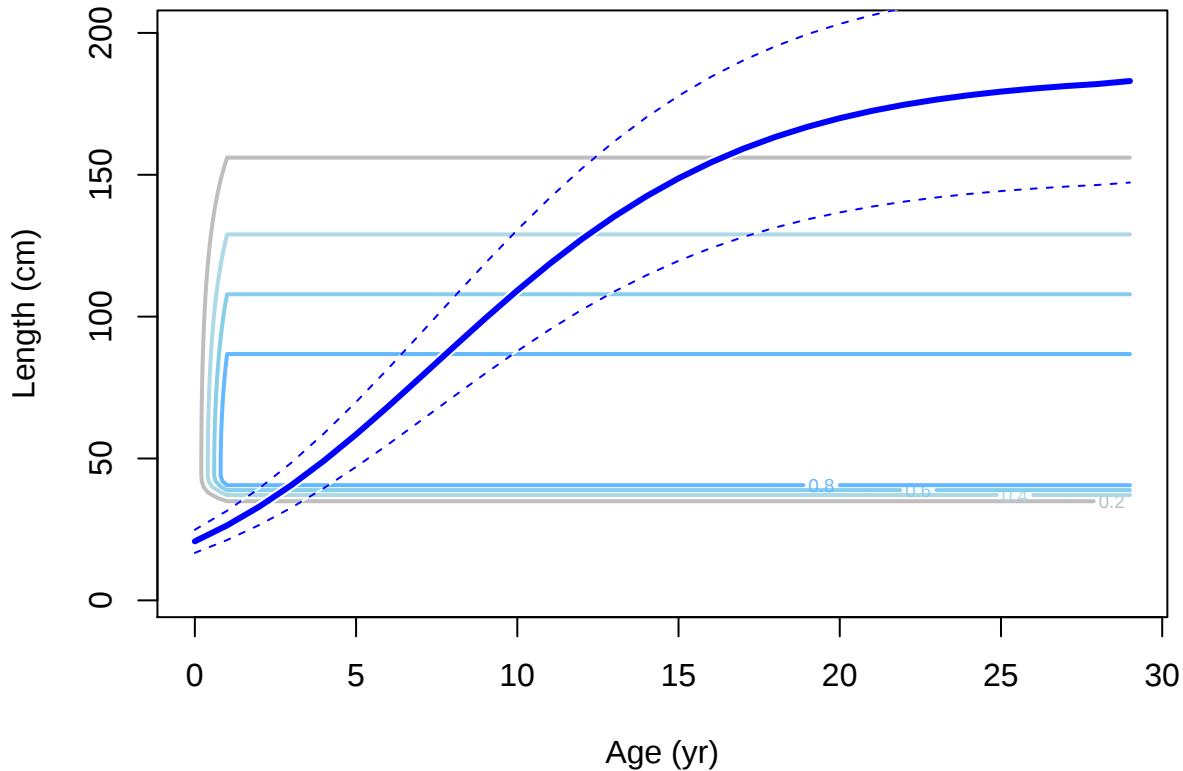
Male ending year selectivity and growth for F2-OBJ_C



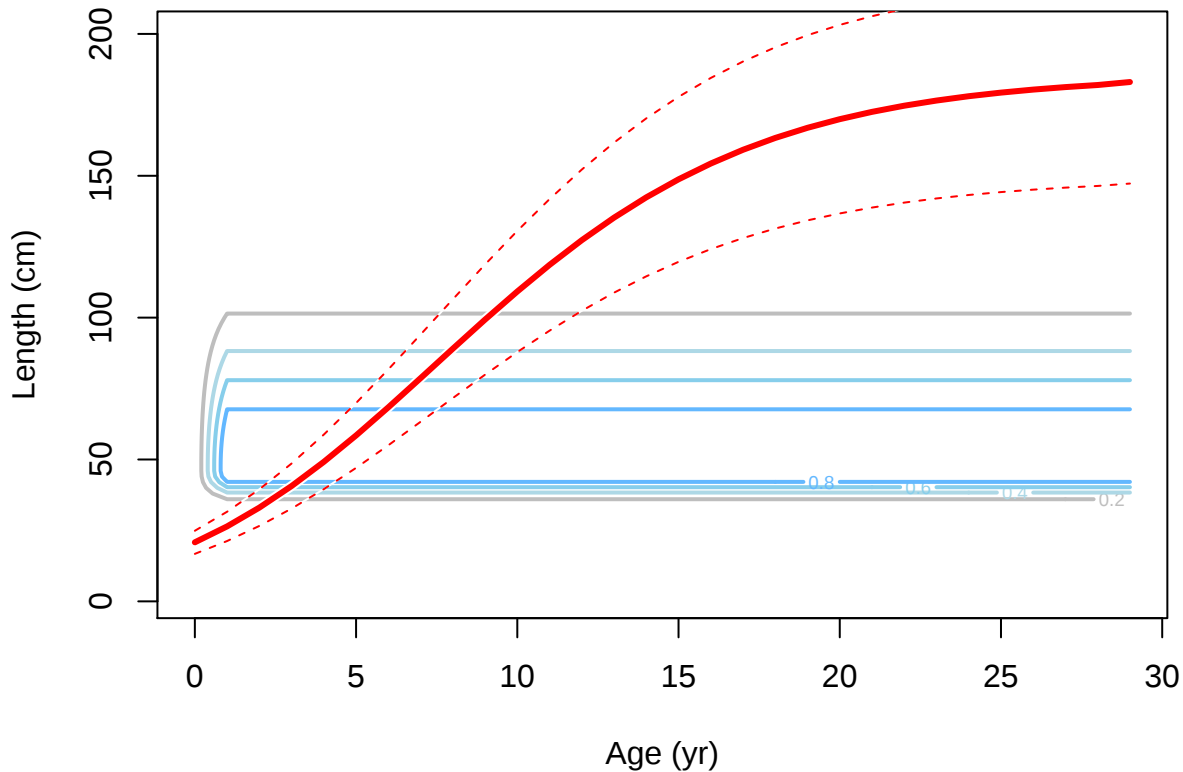
Female ending year selectivity and growth for F3-OBJ_I



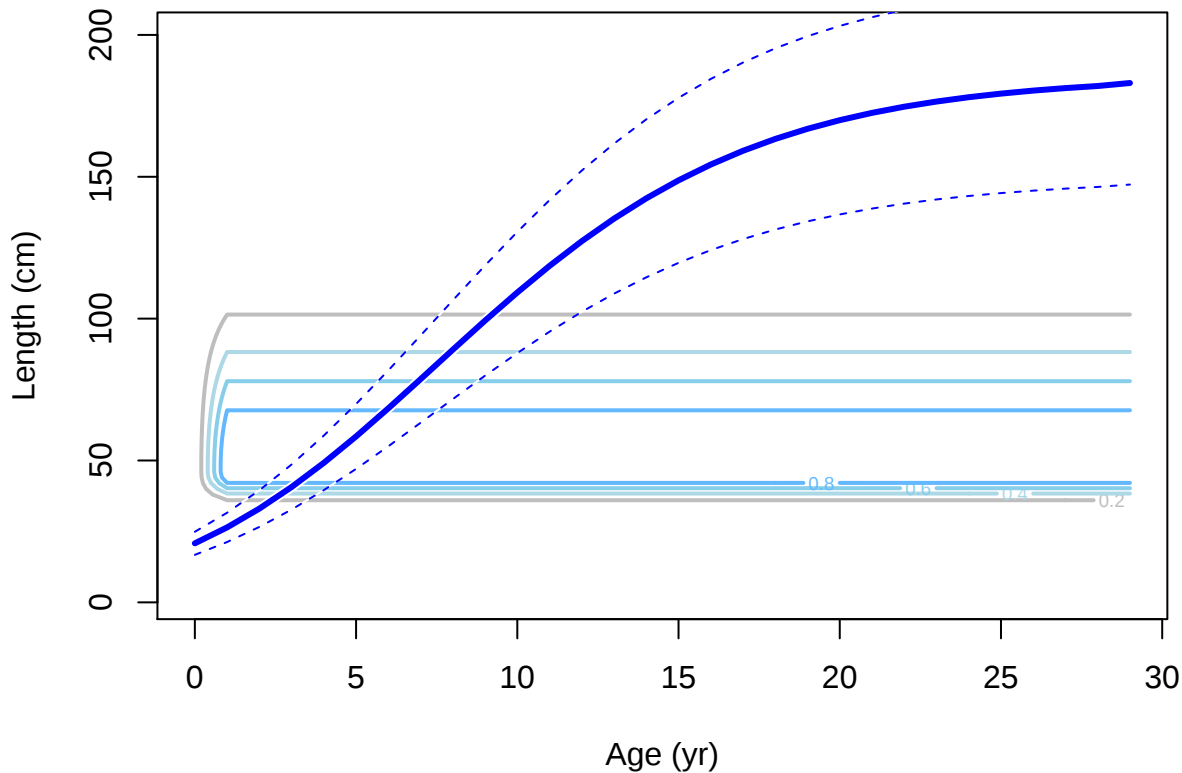
Male ending year selectivity and growth for F3-OBJ_I



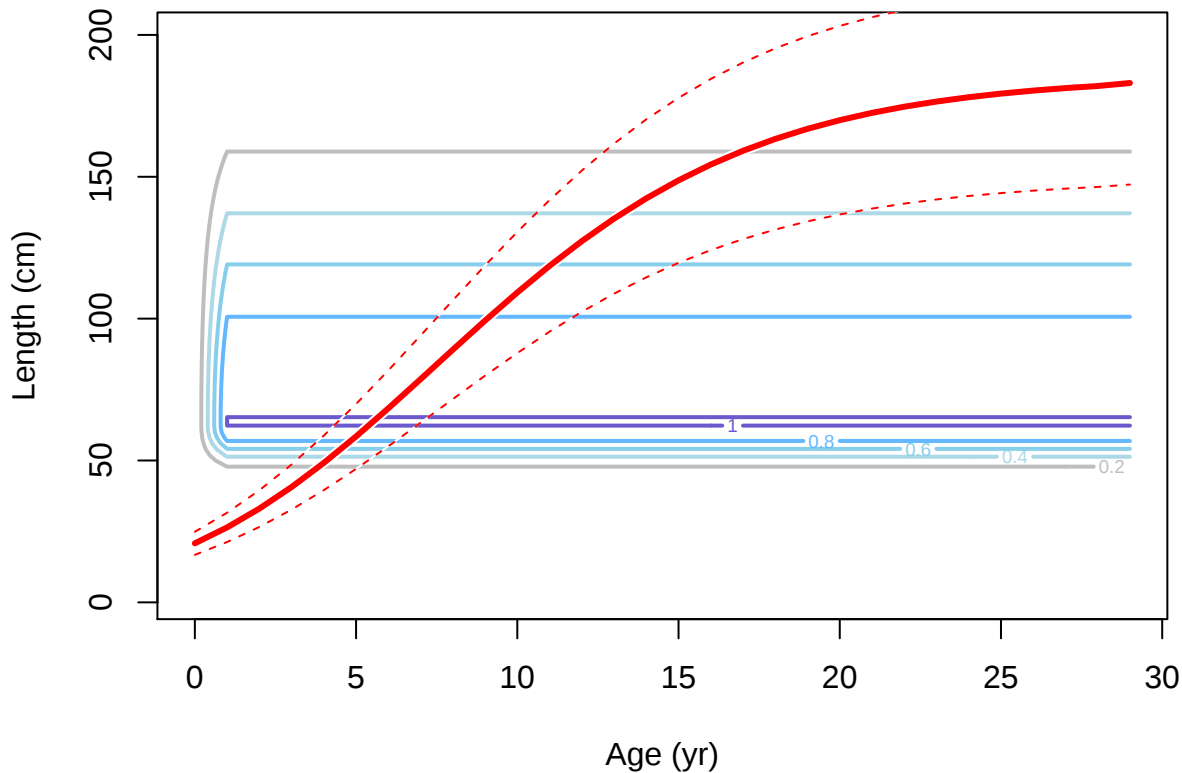
Female ending year selectivity and growth for F4-OBJ_N



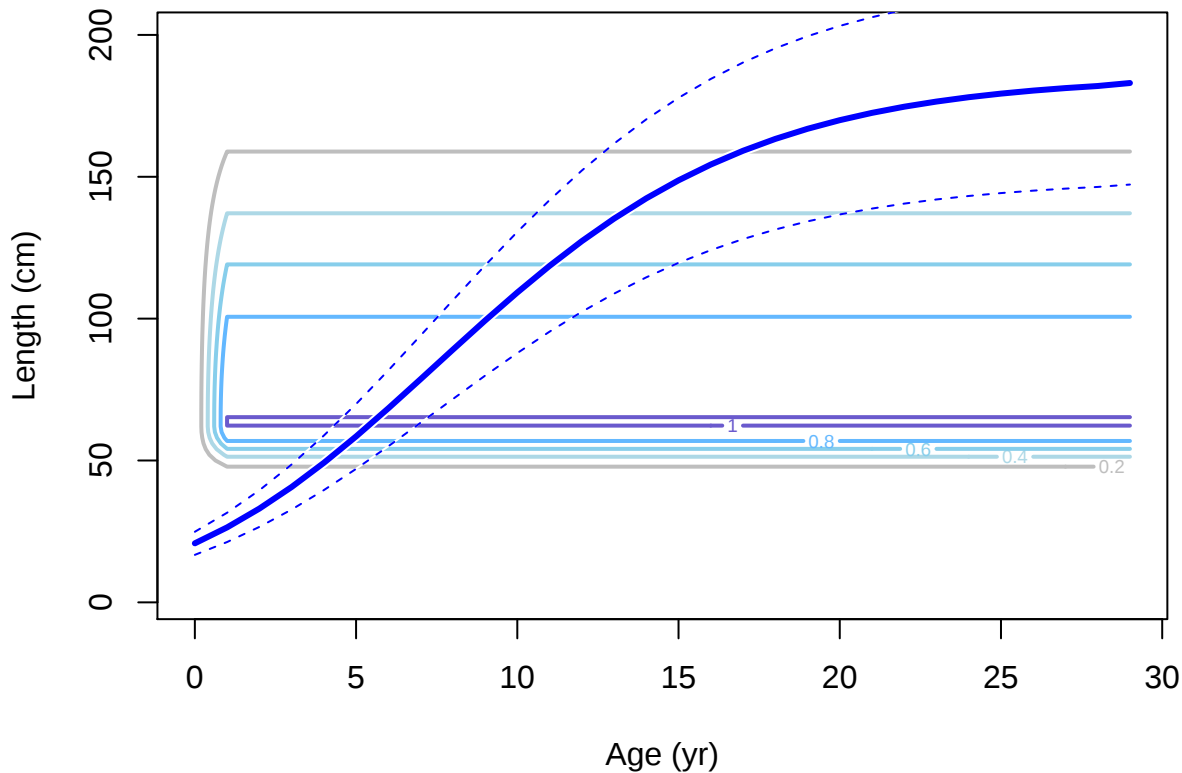
Male ending year selectivity and growth for F4-OBJ_N



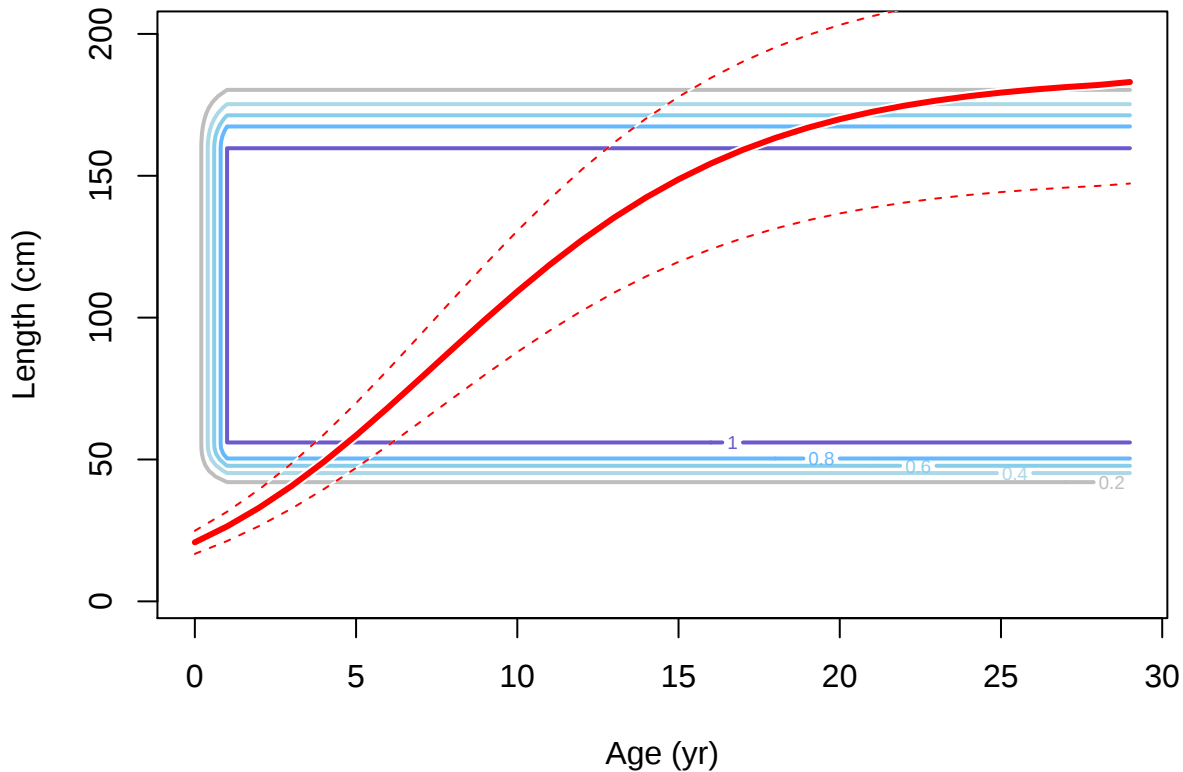
Female ending year selectivity and growth for F5-NOA_N



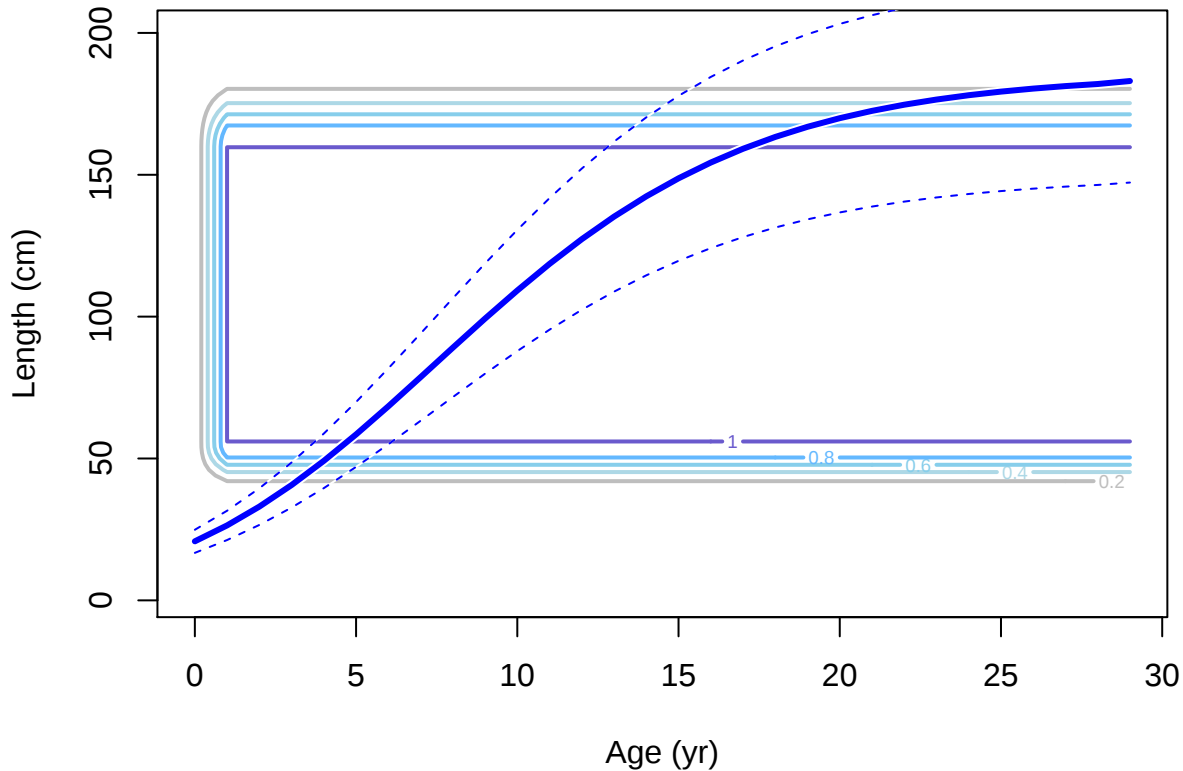
Male ending year selectivity and growth for F5-NOA_N



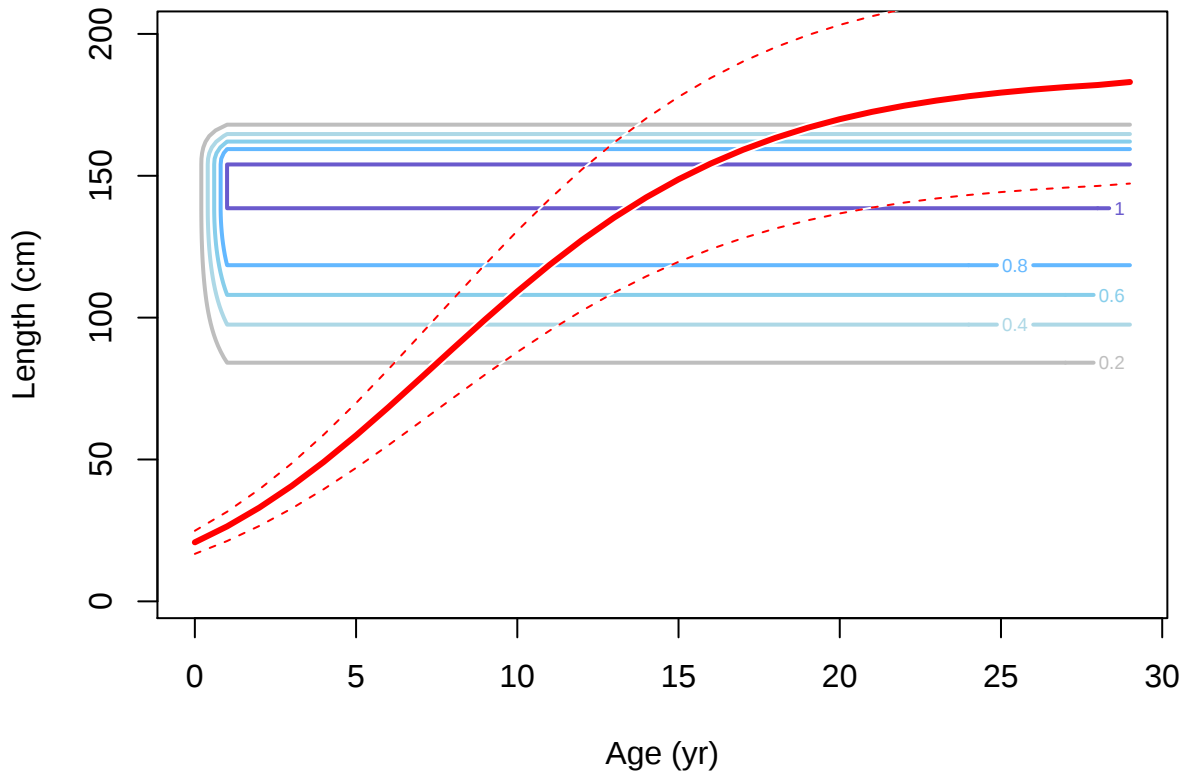
Female ending year selectivity and growth for F6-NOA_S



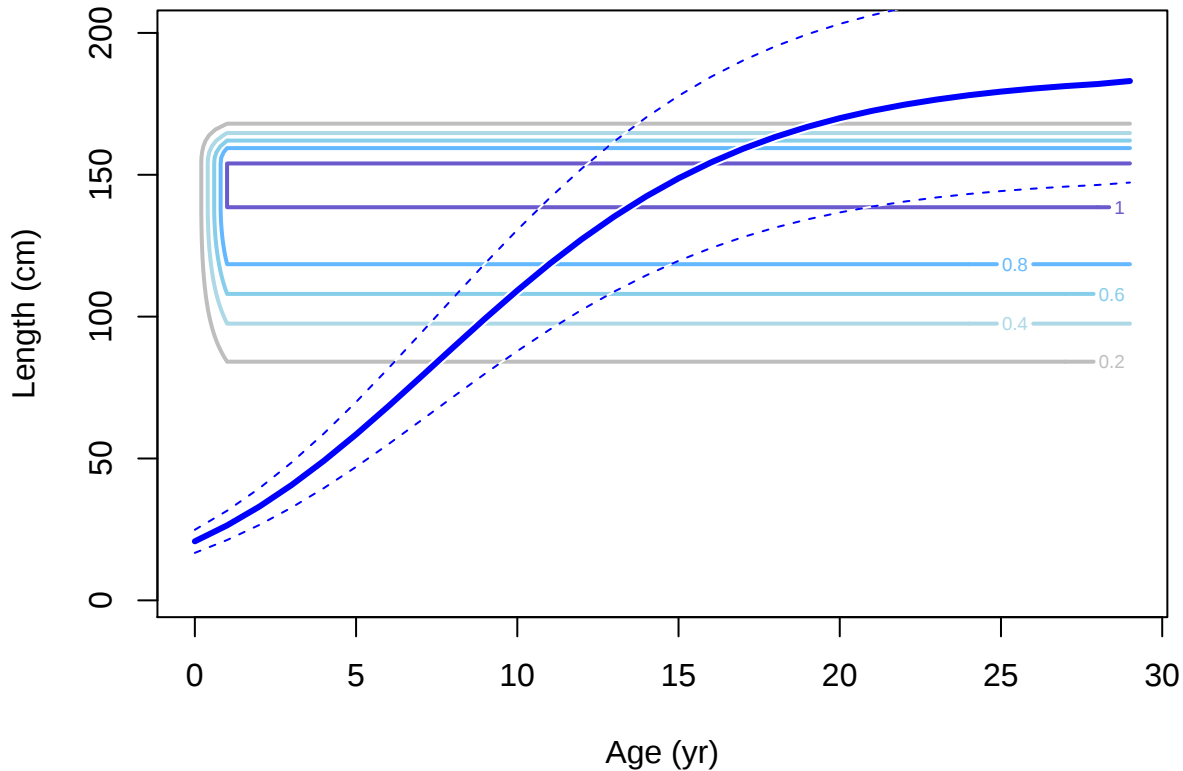
Male ending year selectivity and growth for F6-NOA_S



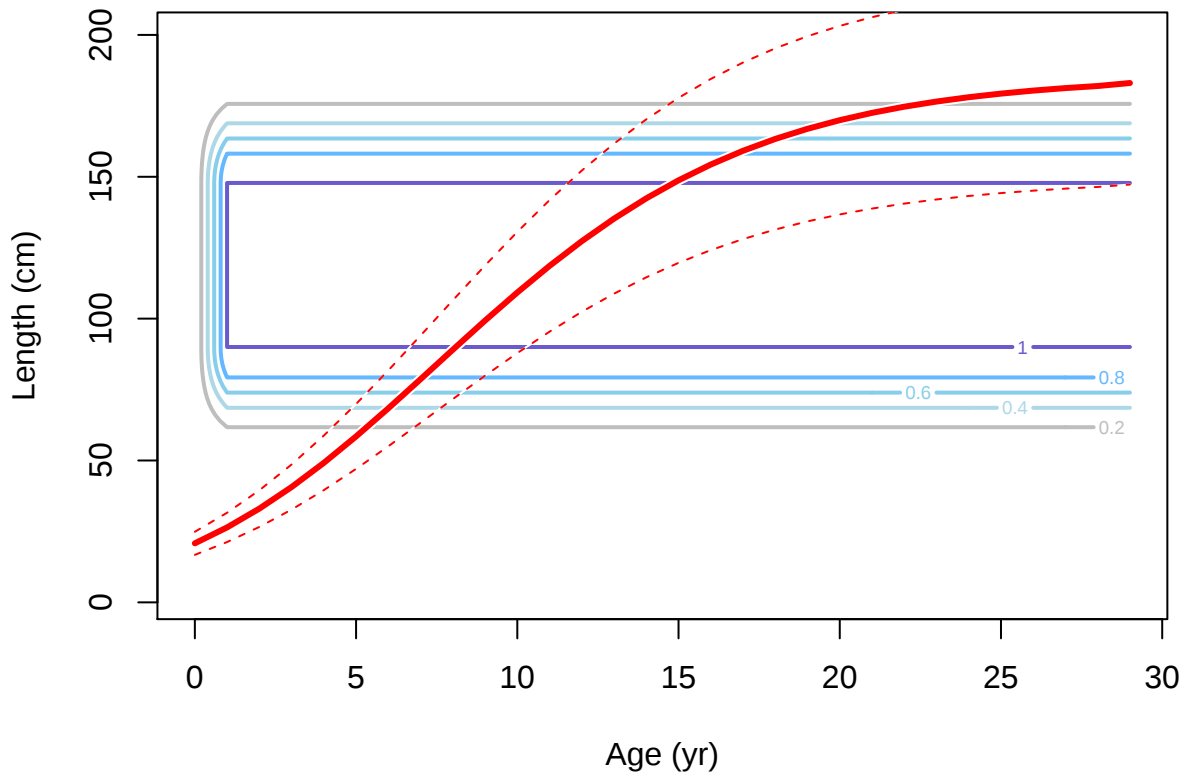
Female ending year selectivity and growth for F7-DEL_N



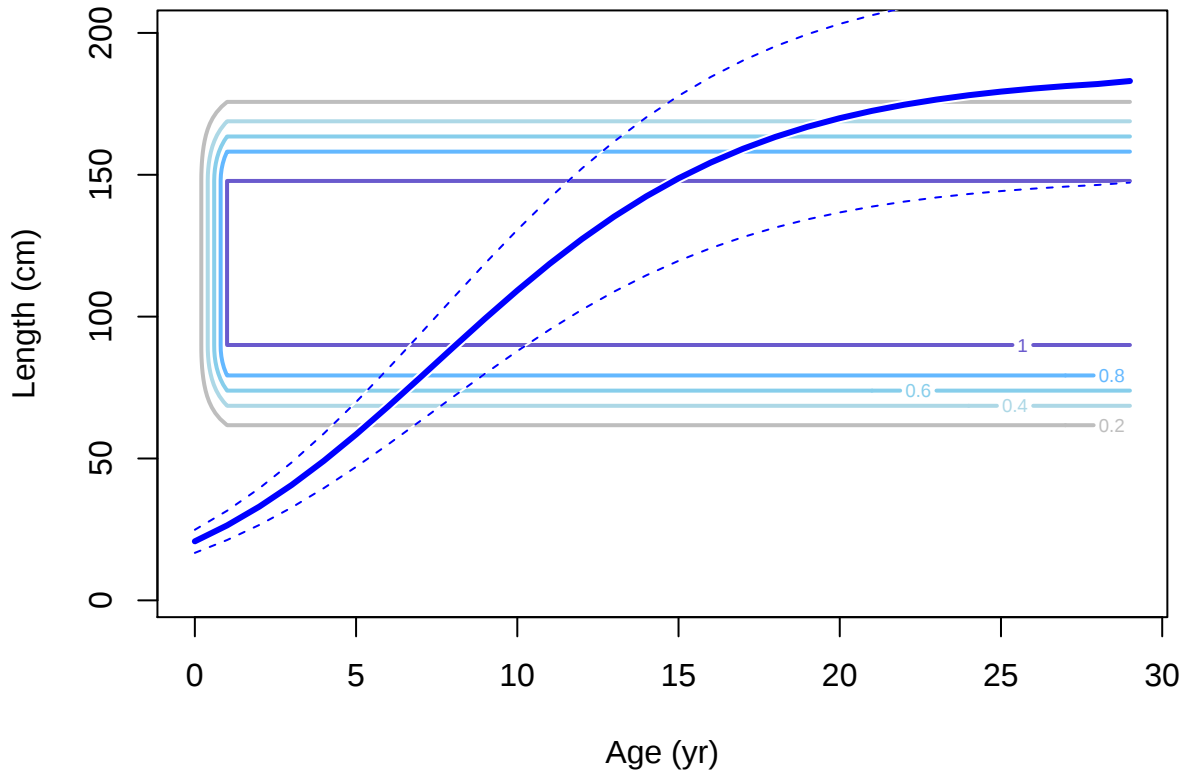
Male ending year selectivity and growth for F7-DEL_N



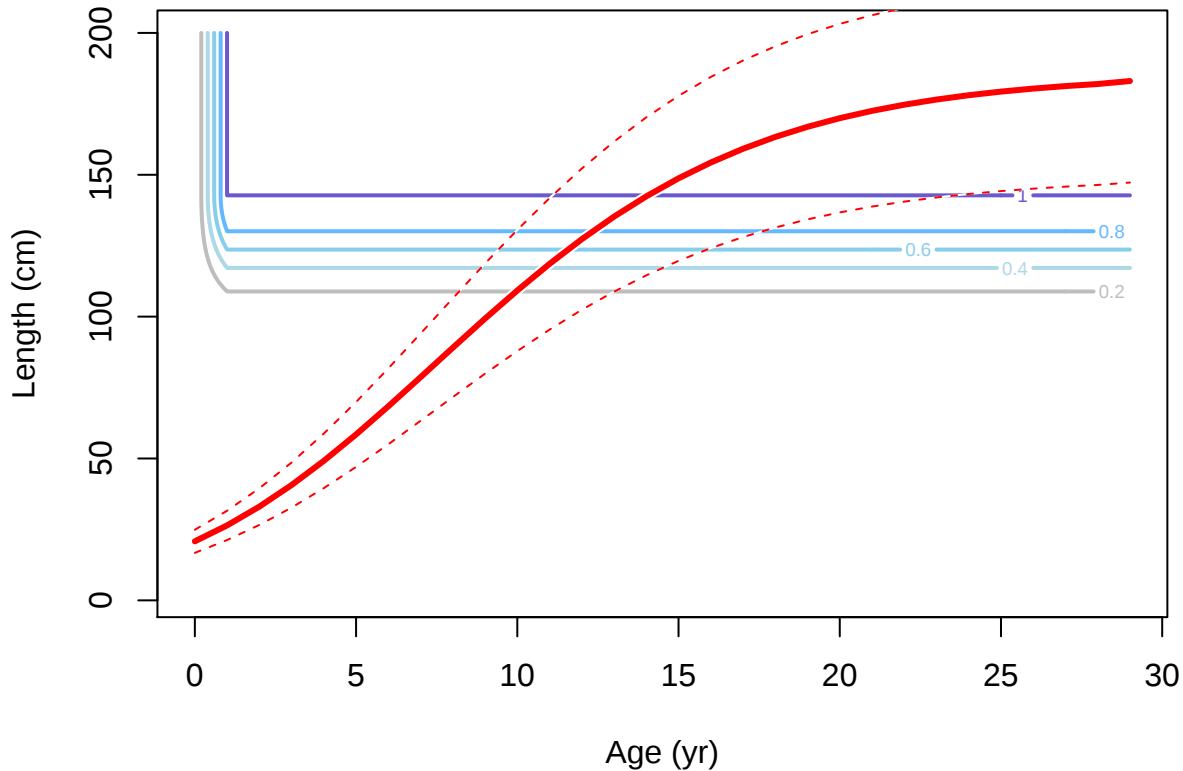
Female ending year selectivity and growth for F8-DEL_I



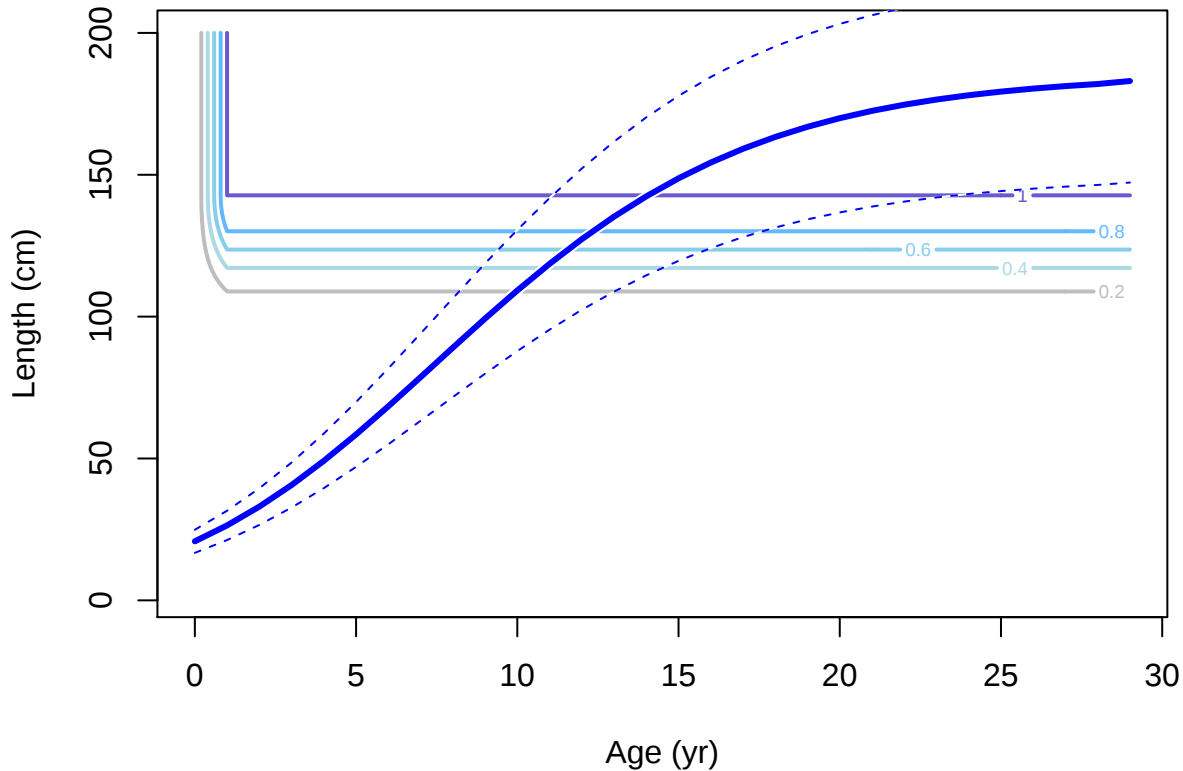
Male ending year selectivity and growth for F8-DEL_I



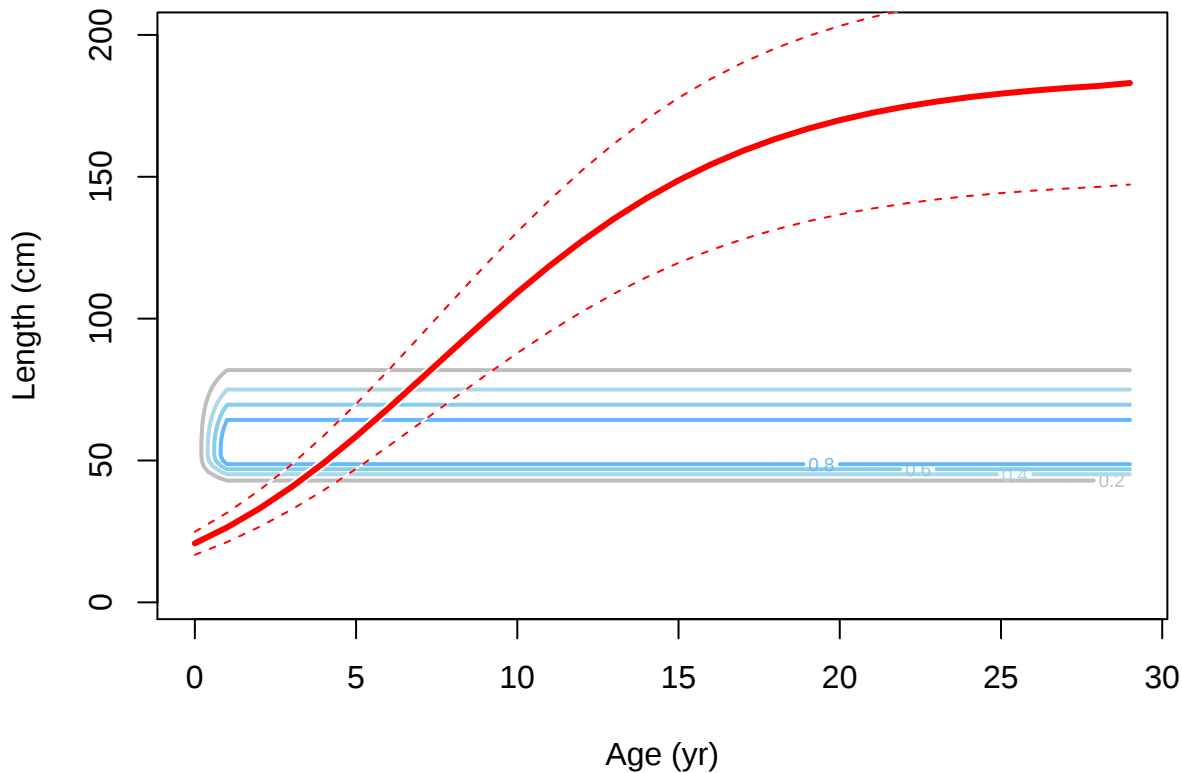
Female ending year selectivity and growth for F9-DEL_S



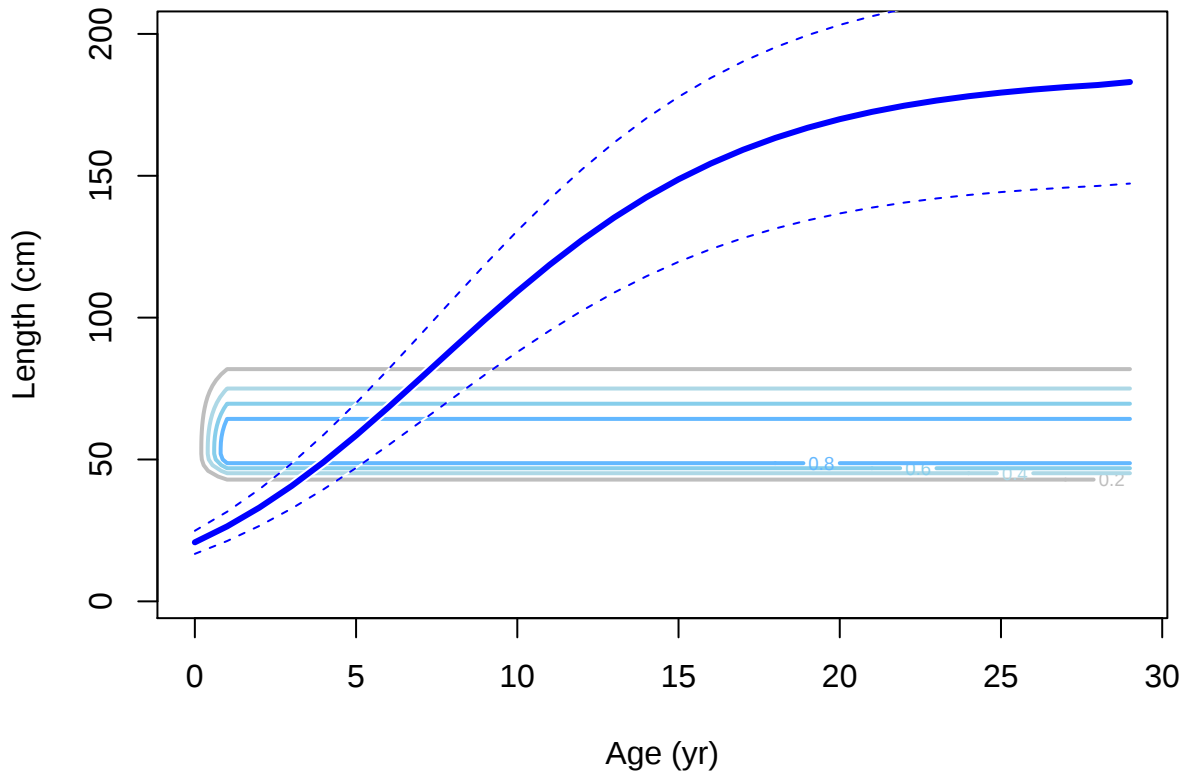
Male ending year selectivity and growth for F9-DEL_S



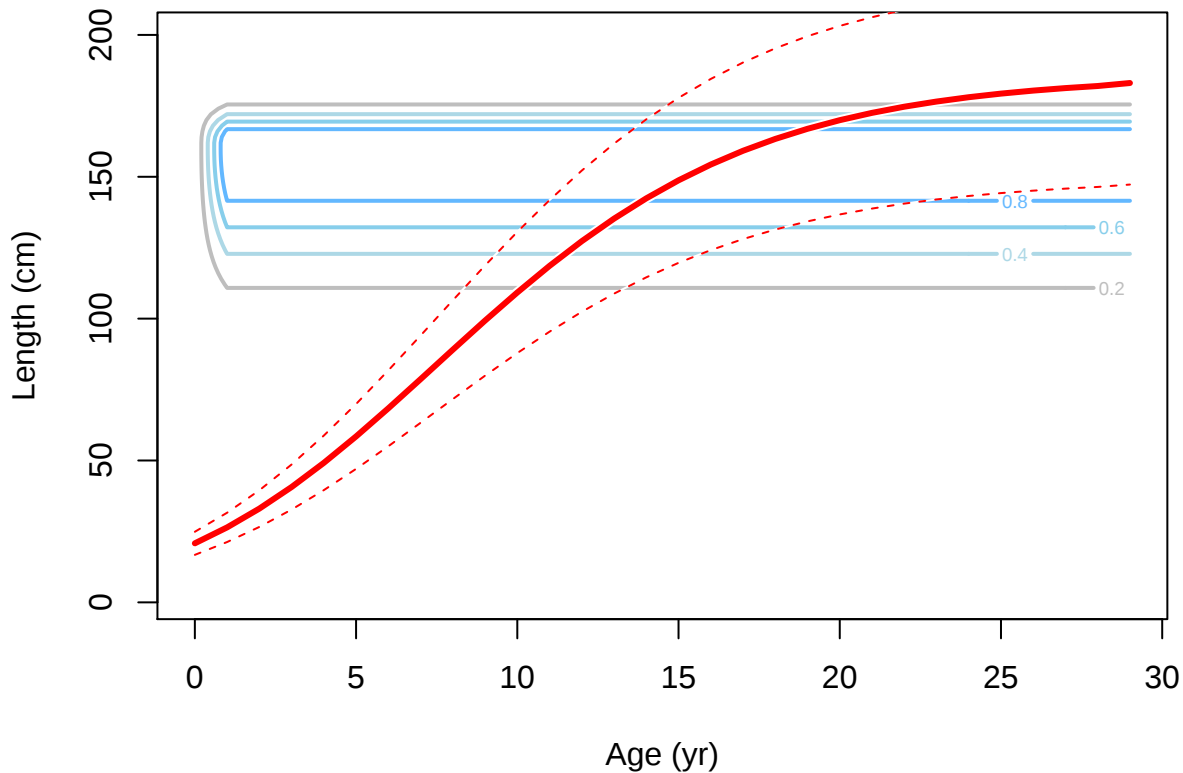
Female ending year selectivity and growth for F10-BB



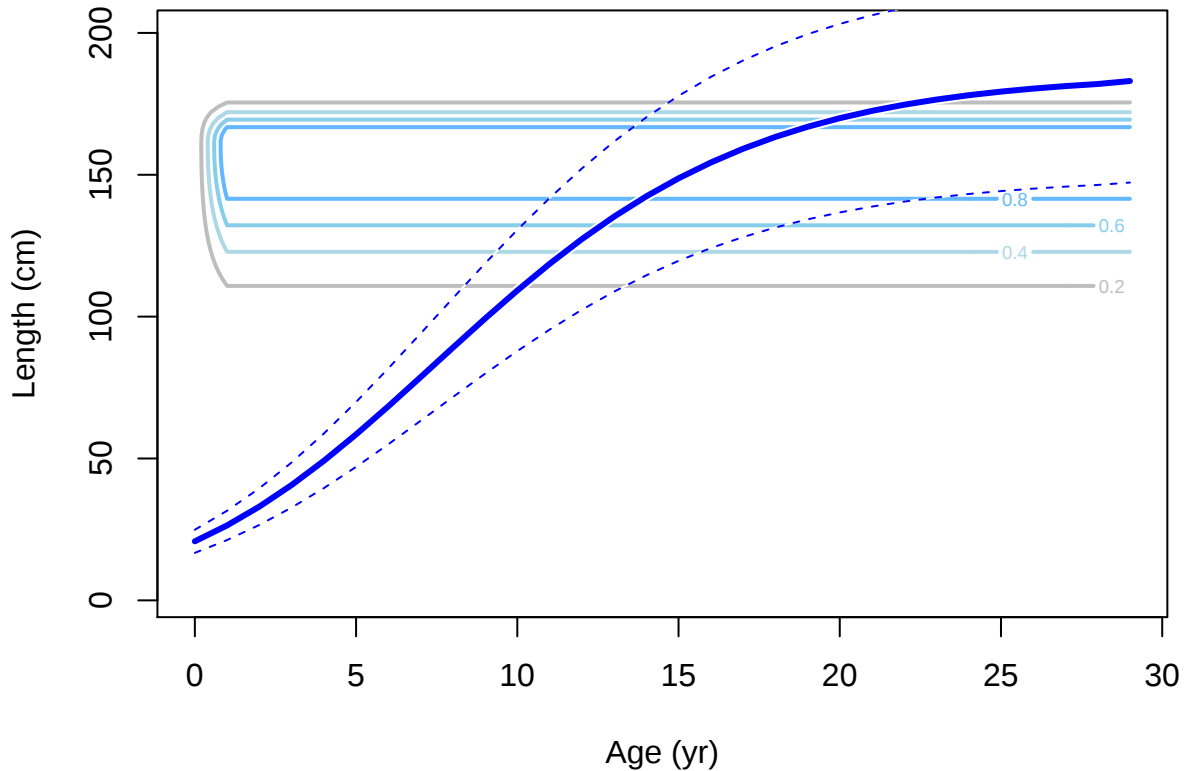
Male ending year selectivity and growth for F10-BB



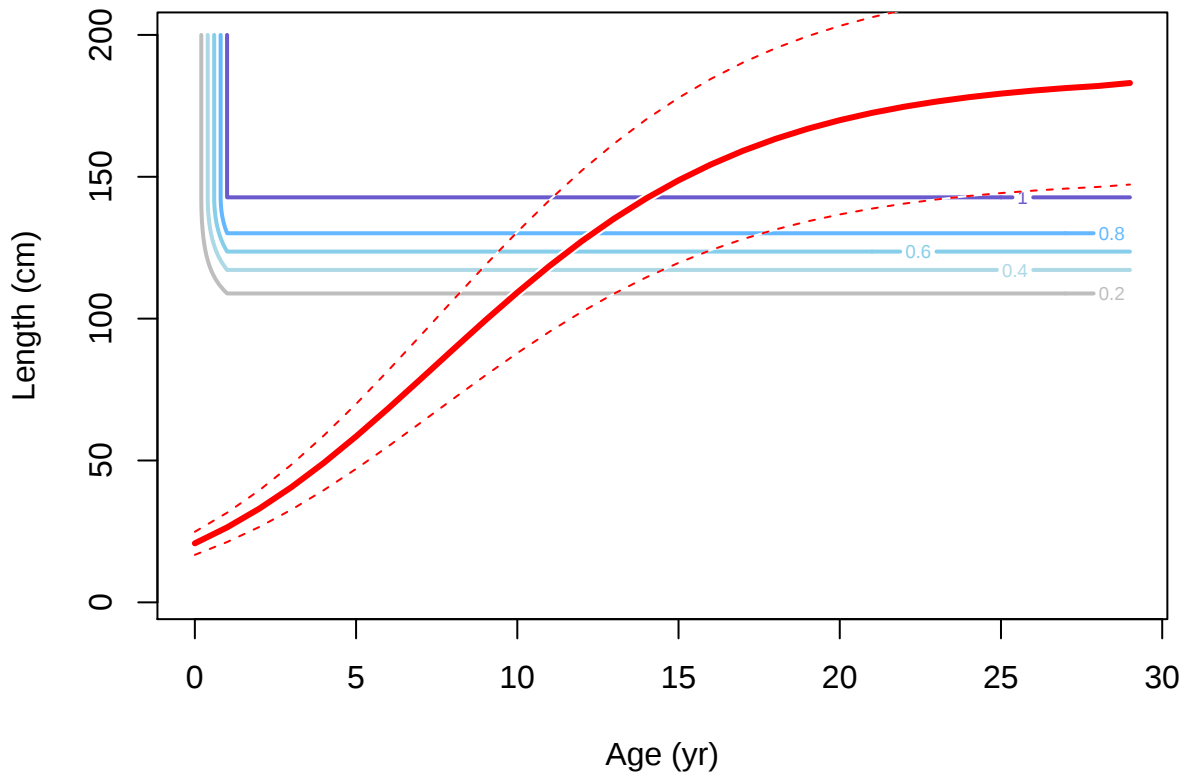
Female ending year selectivity and growth for F11-LL_N



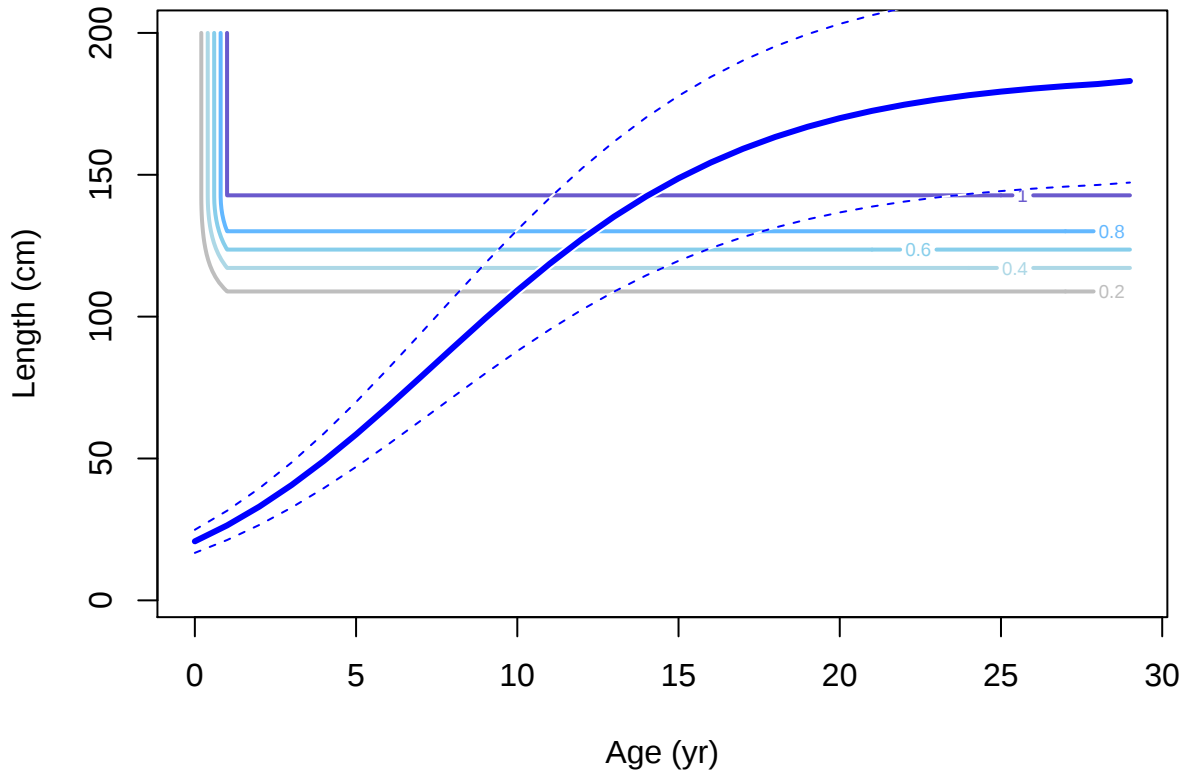
Male ending year selectivity and growth for F11-LL_N



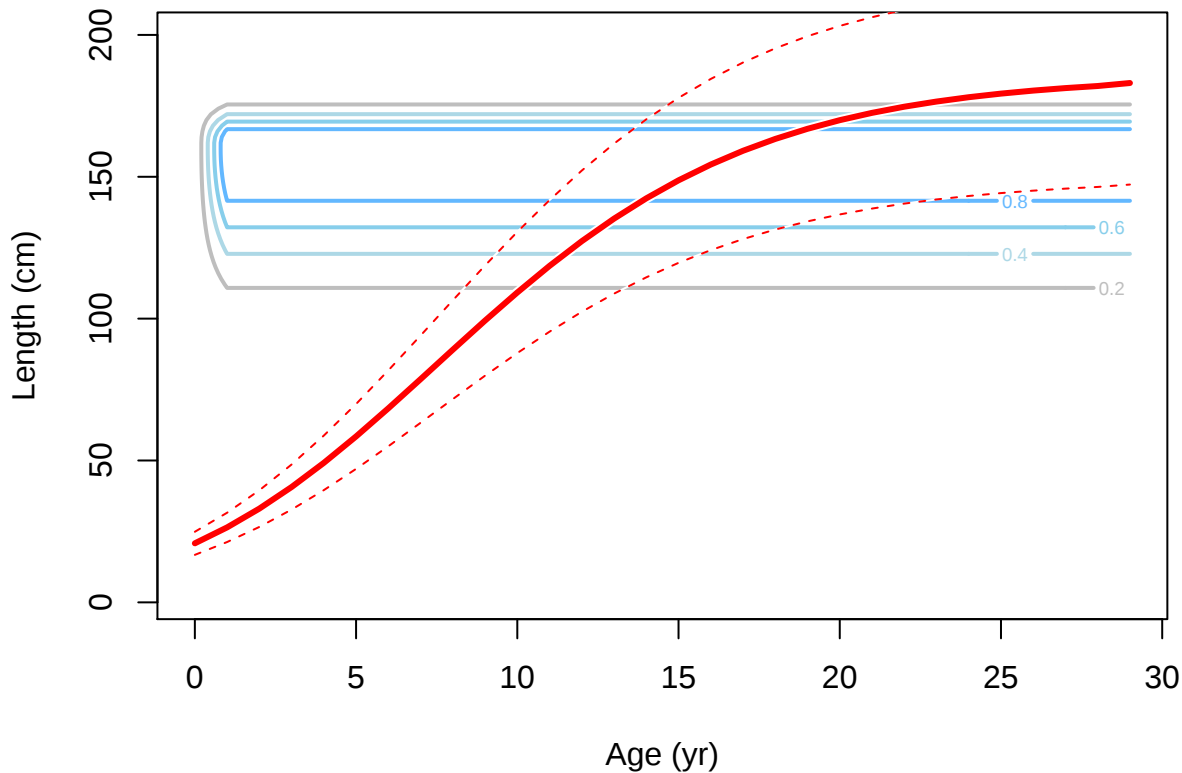
Female ending year selectivity and growth for F12-LL_S



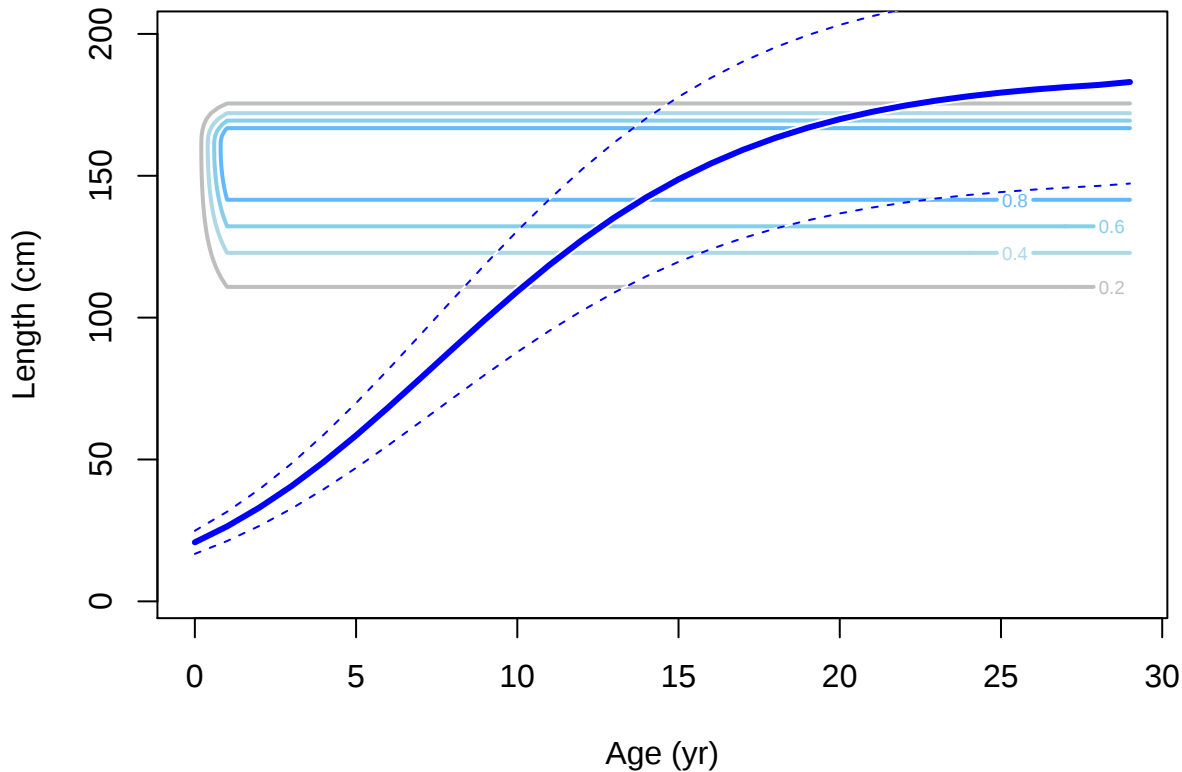
Male ending year selectivity and growth for F12-LL_S



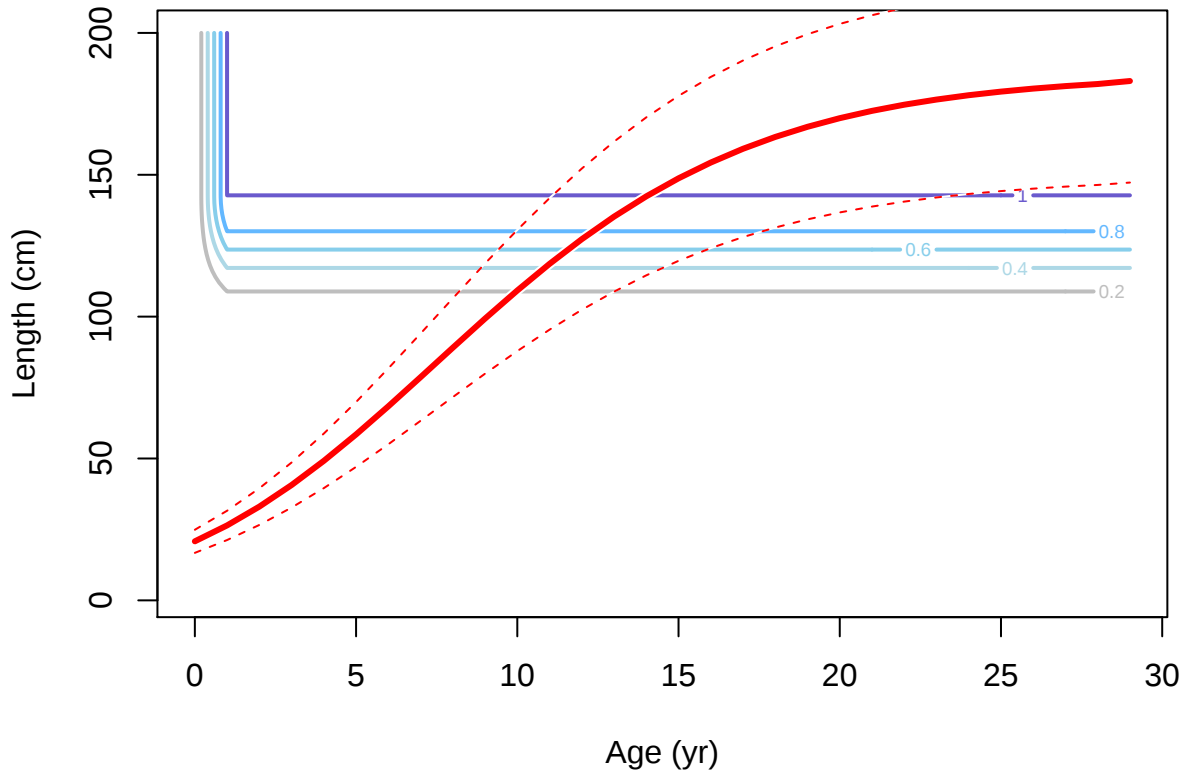
Female ending year selectivity and growth for S1-LLc_N_Weight



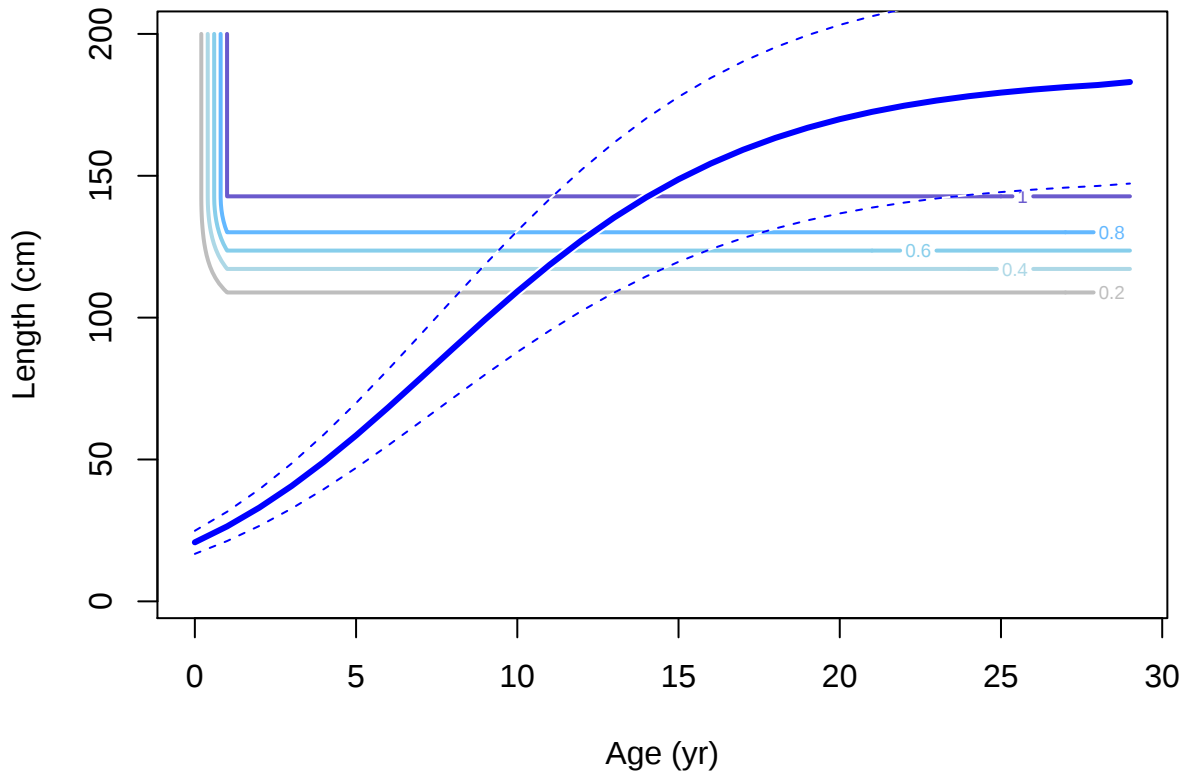
Male ending year selectivity and growth for S1-LLc_N_Weight



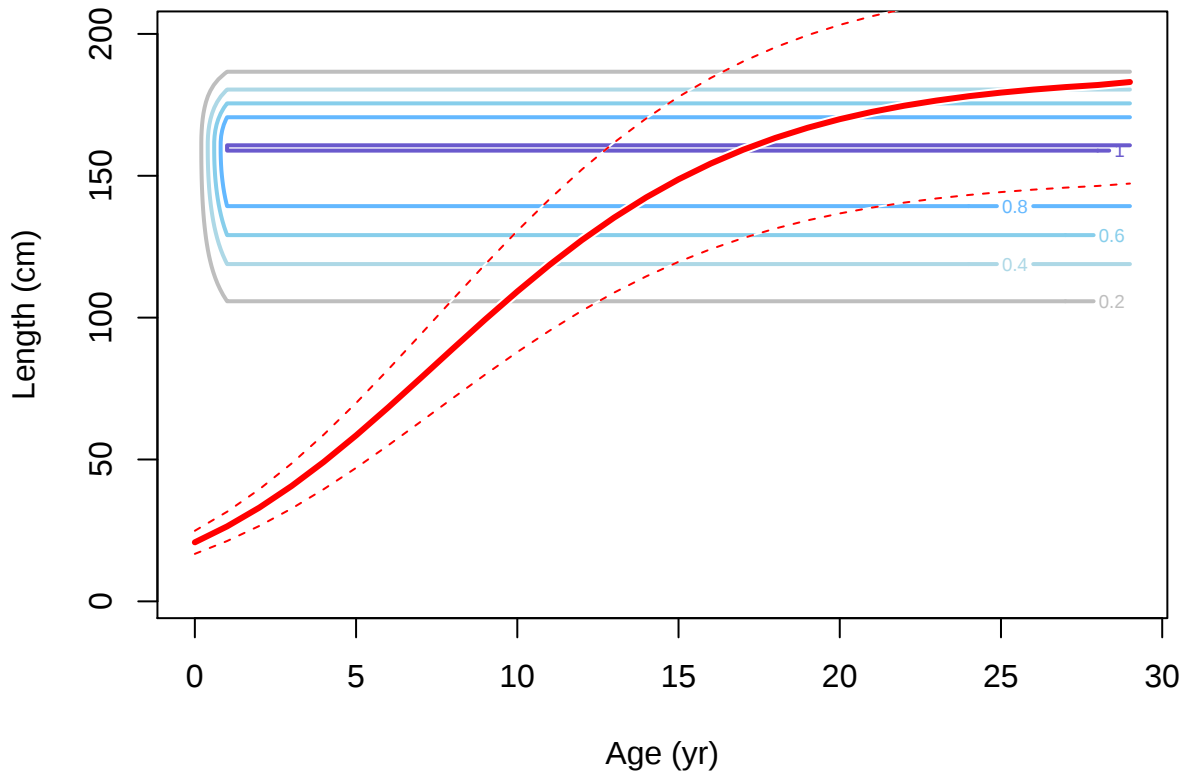
Female ending year selectivity and growth for S2-LLc_S_Weight



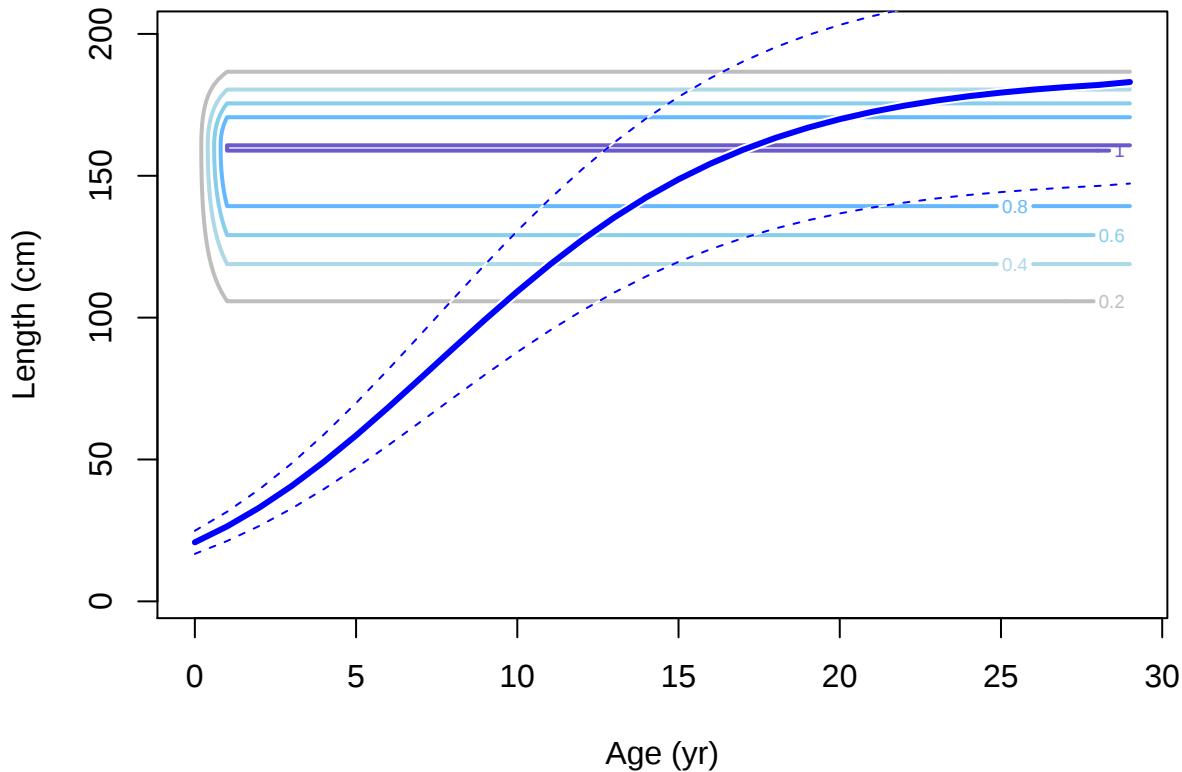
Male ending year selectivity and growth for S2-LLc_S_Weight



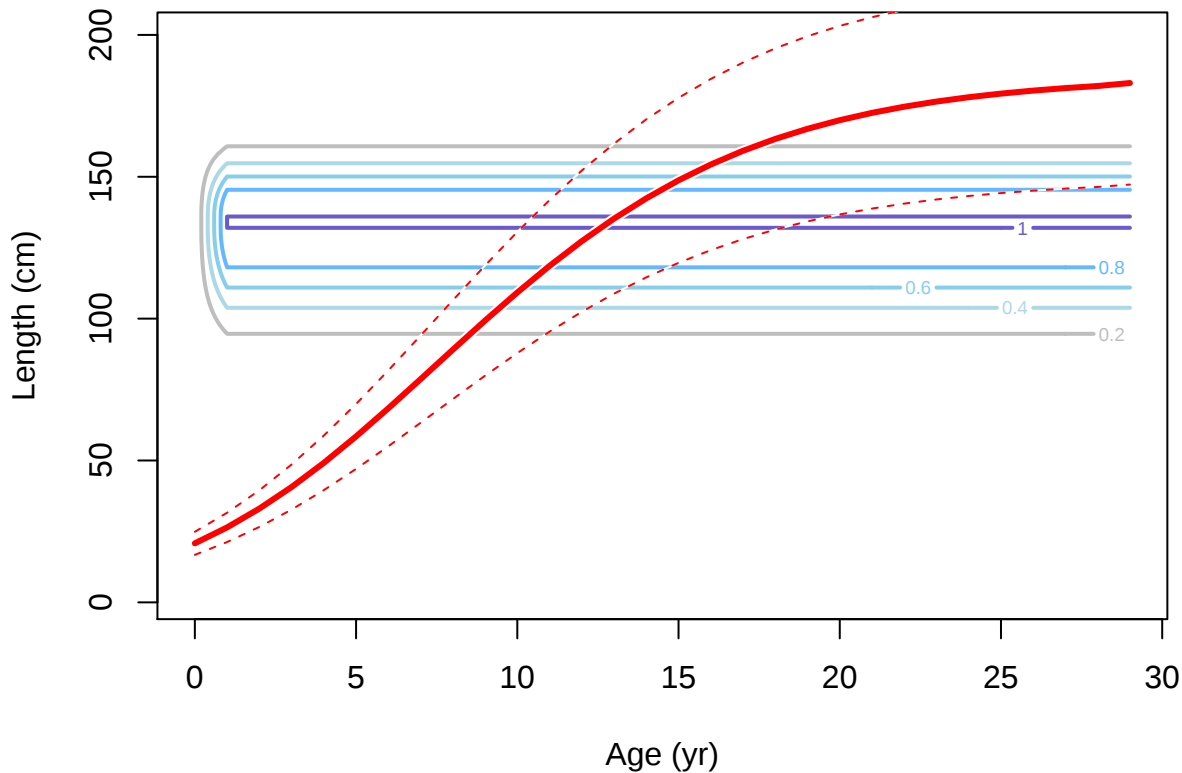
Female ending year selectivity and growth for S3-LLt_N_Length



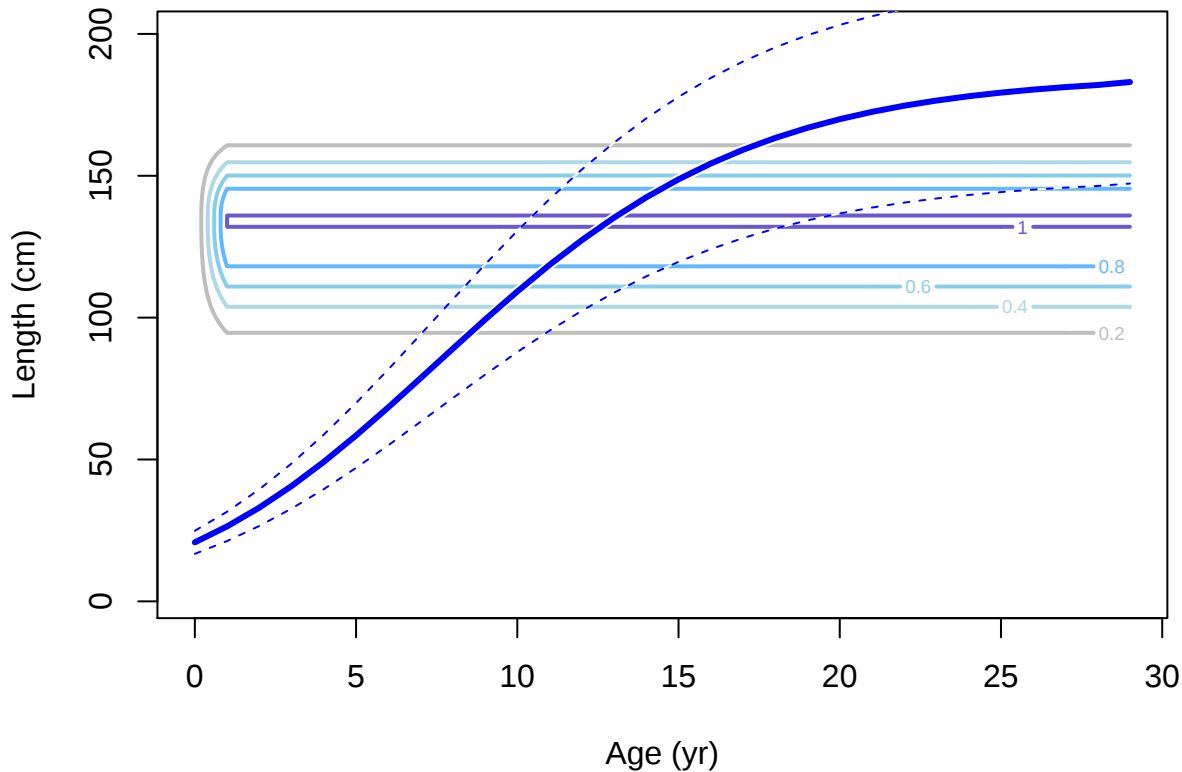
Male ending year selectivity and growth for S3-LLt_N_Length



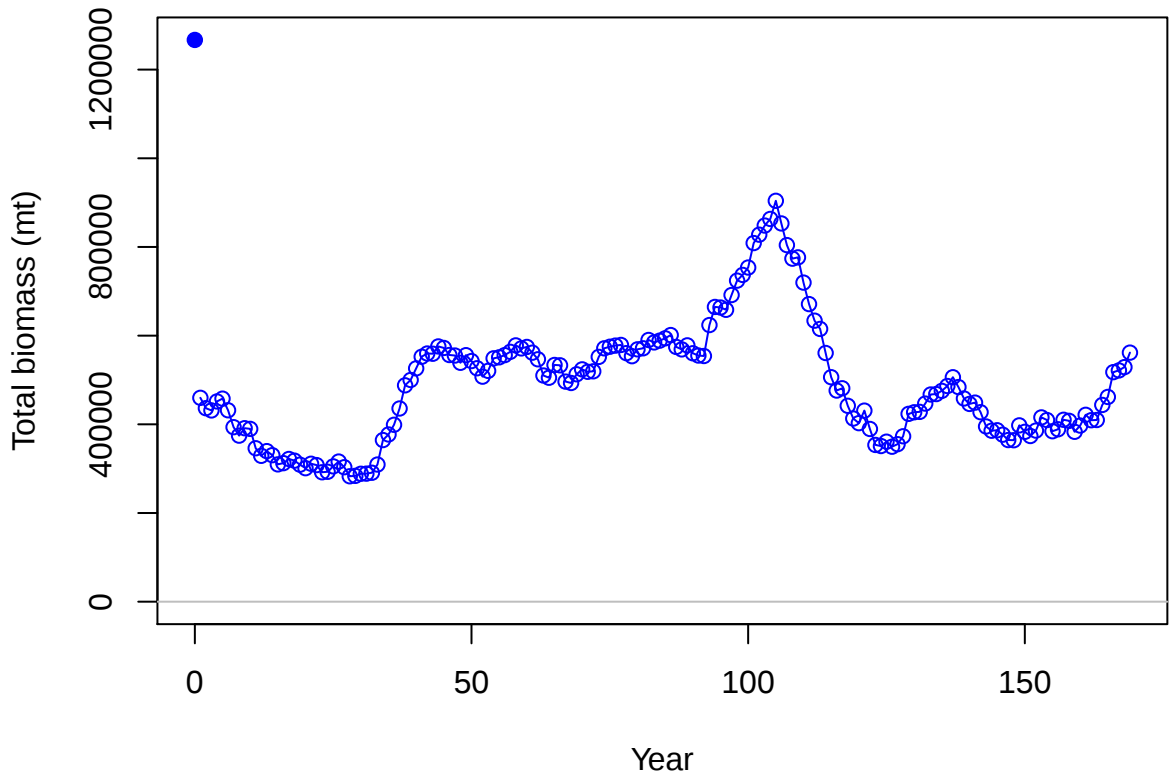
Female ending year selectivity and growth for S4-LLt_S_Length



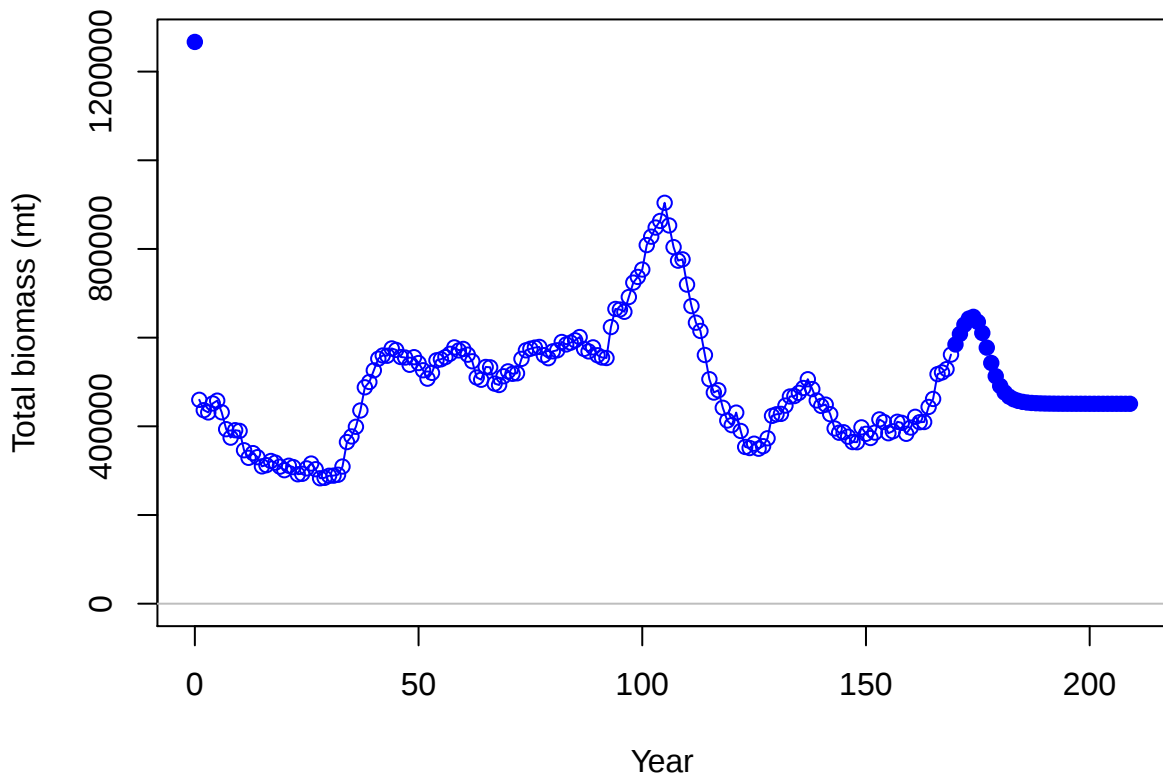
Male ending year selectivity and growth for S4-LLt_S_Length



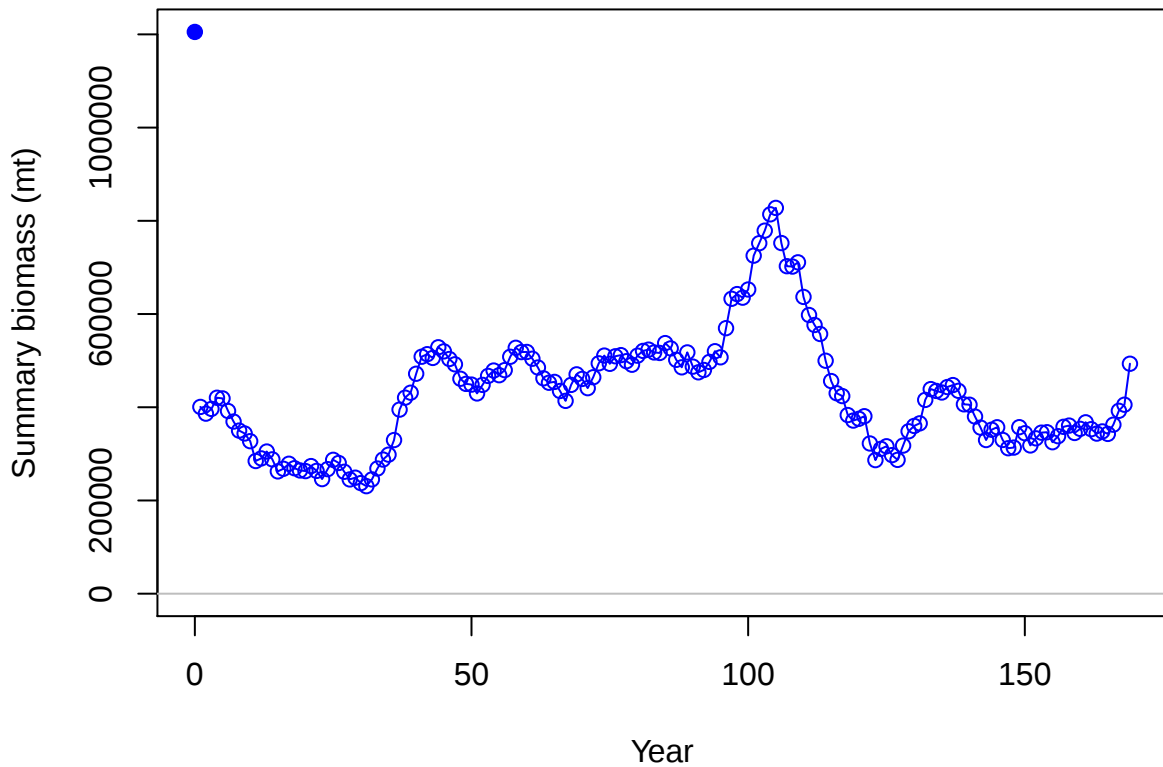
Total biomass (mt)



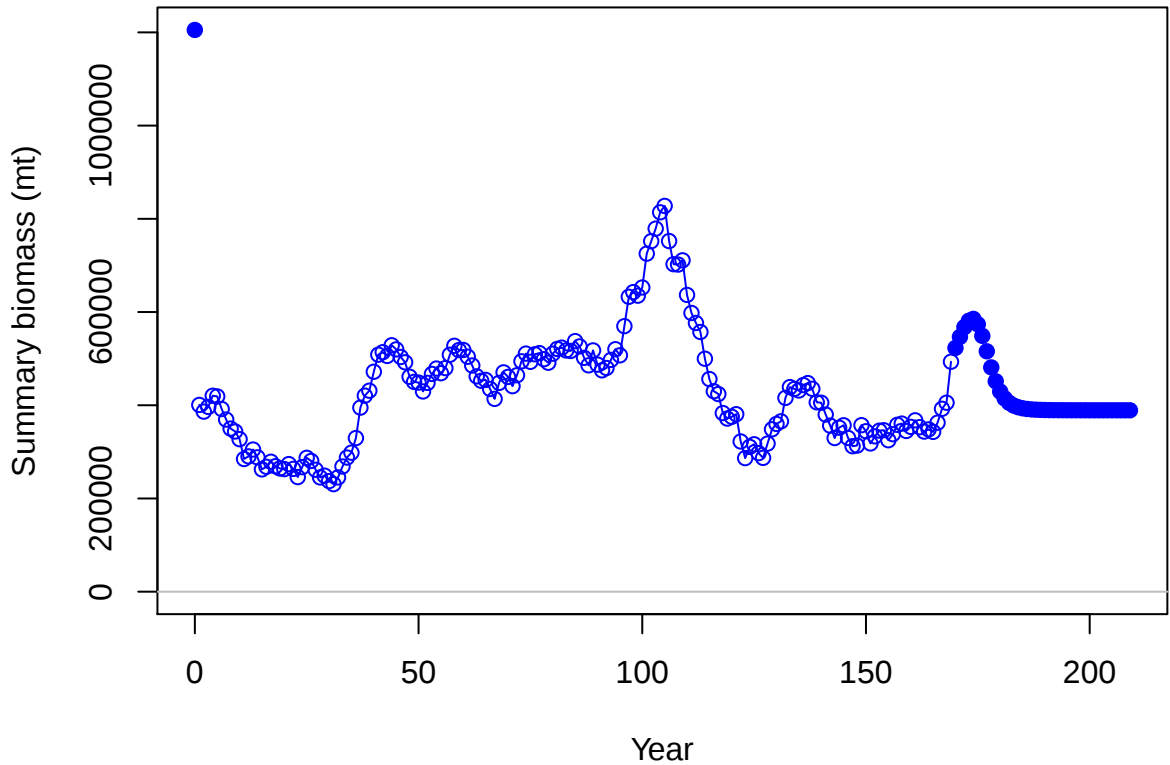
Total biomass (mt) with forecast



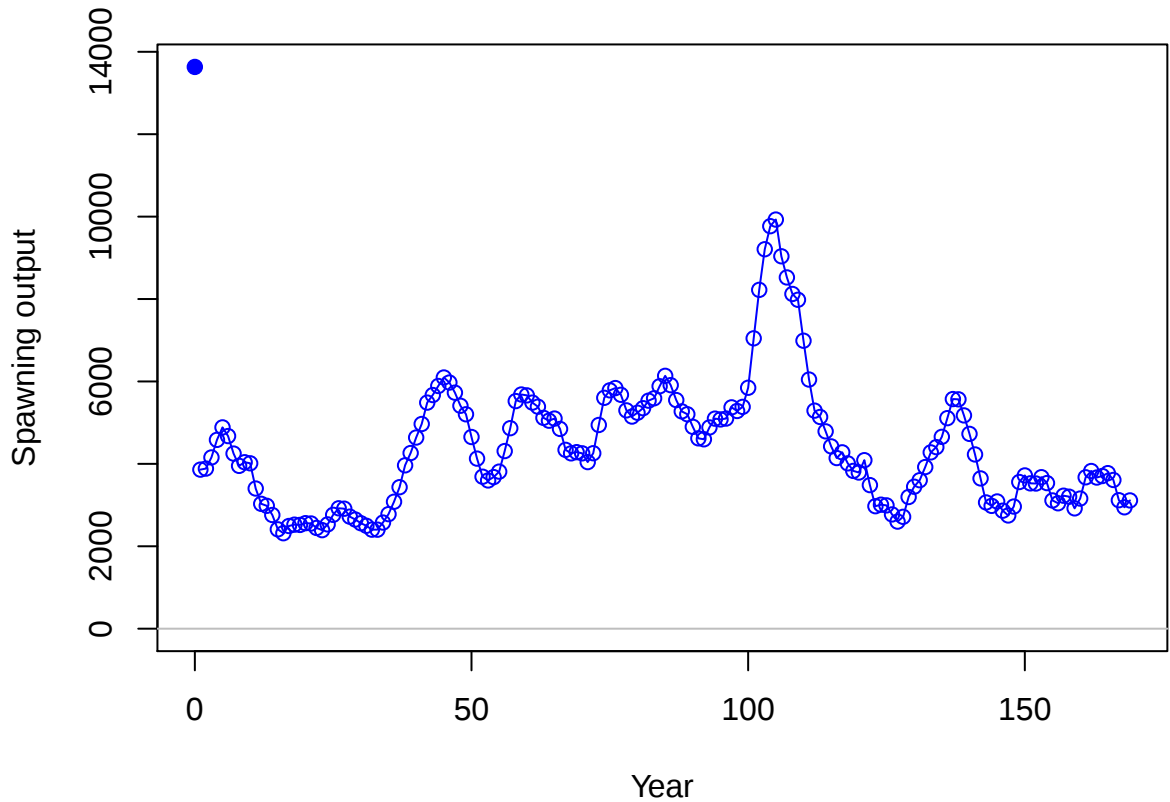
Summary biomass (mt)



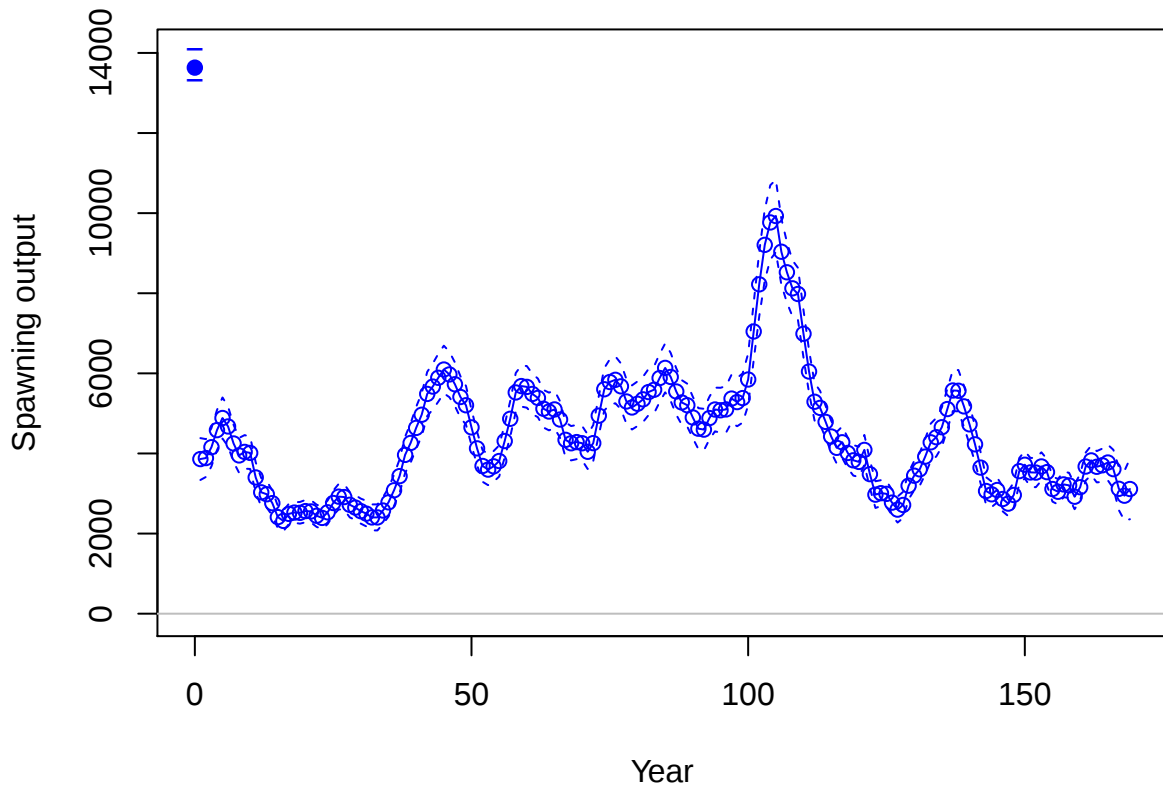
Summary biomass (mt) with forecast



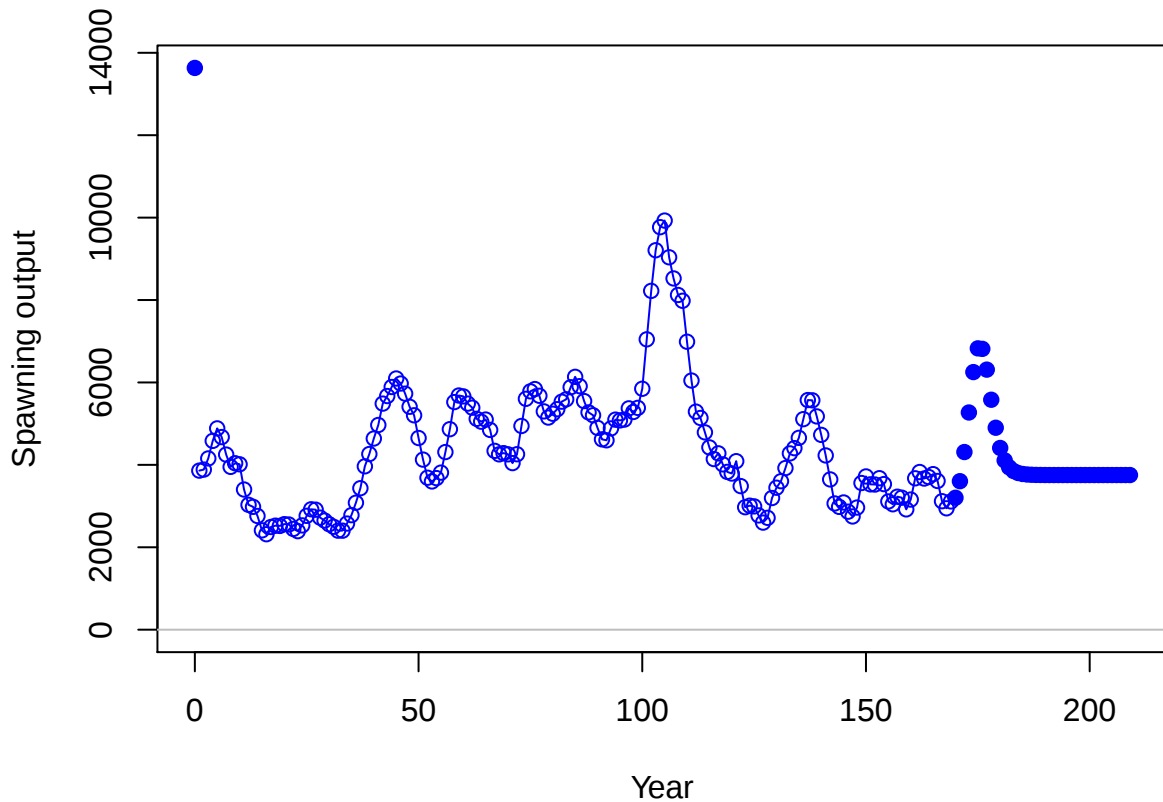
Spawning output



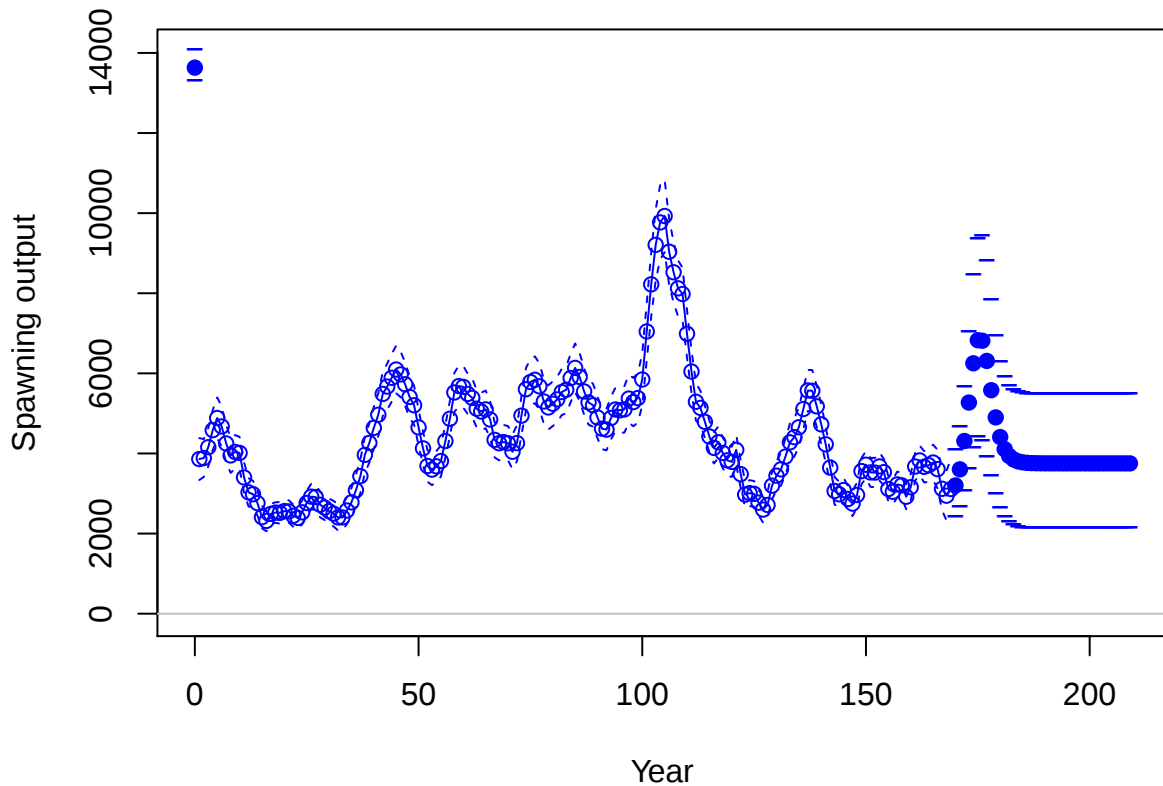
Spawning output with ~95% asymptotic intervals



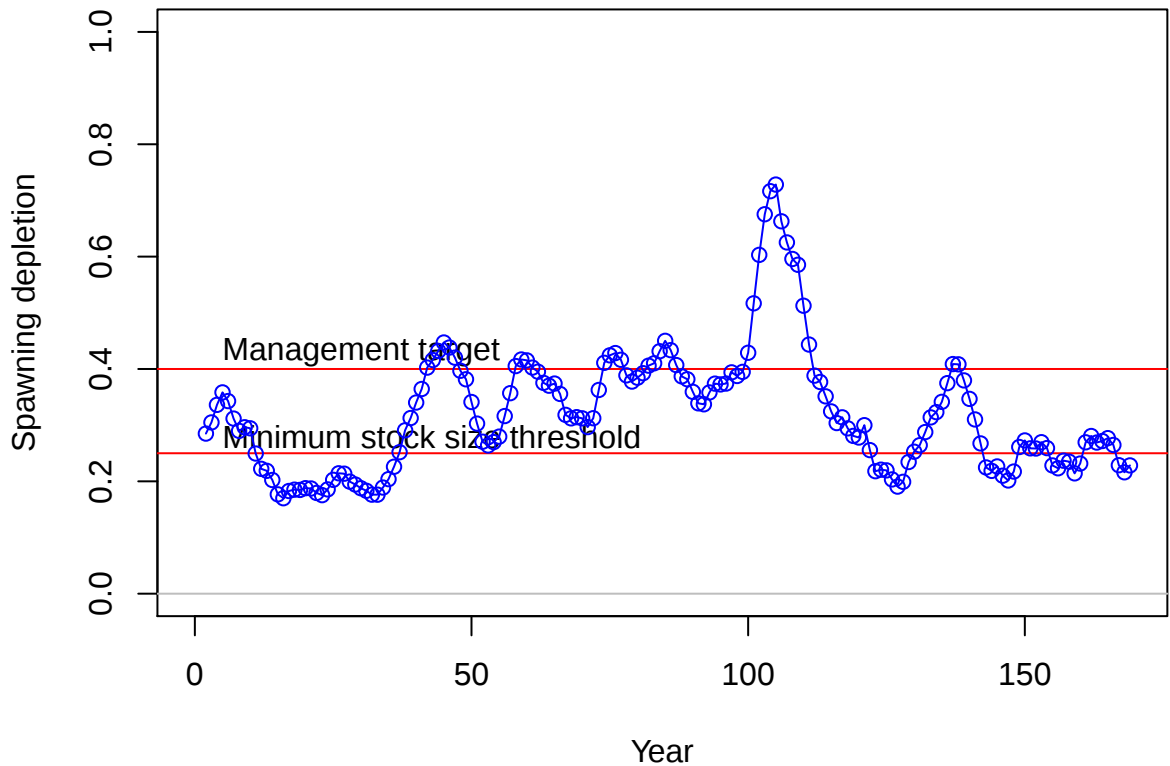
Spawning output with forecast



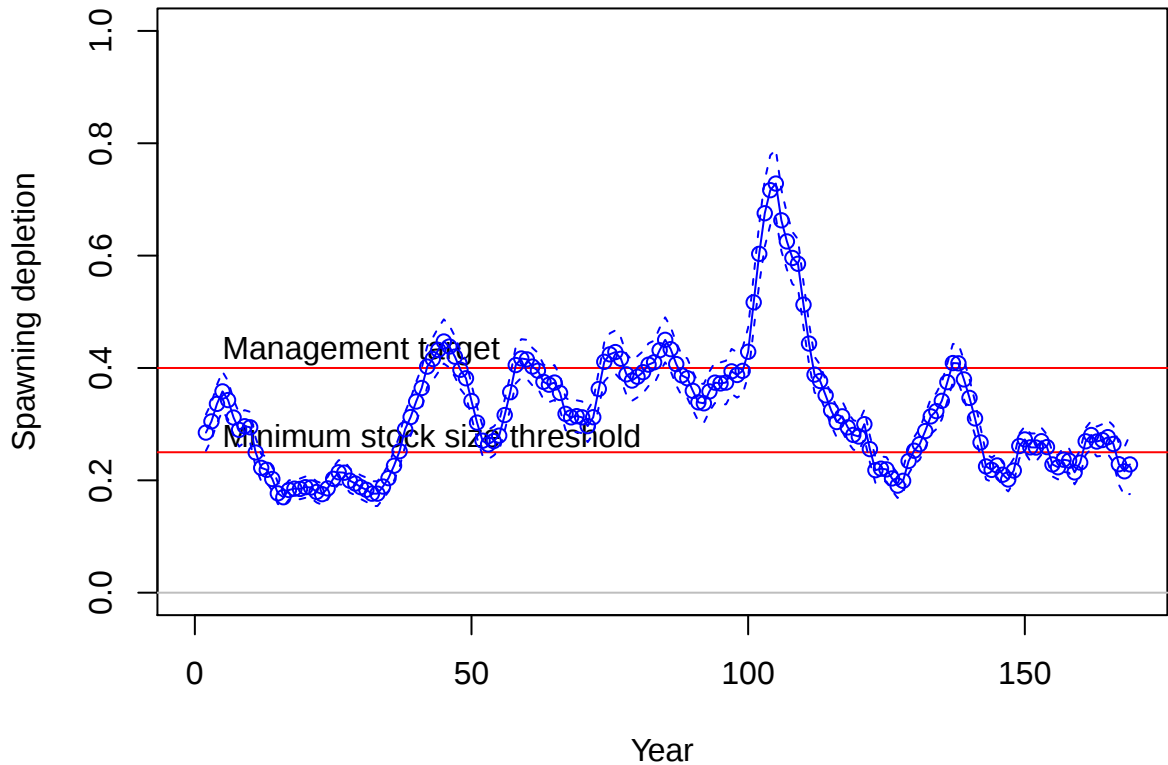
Spawning output with forecast with ~95% asymptotic intervals



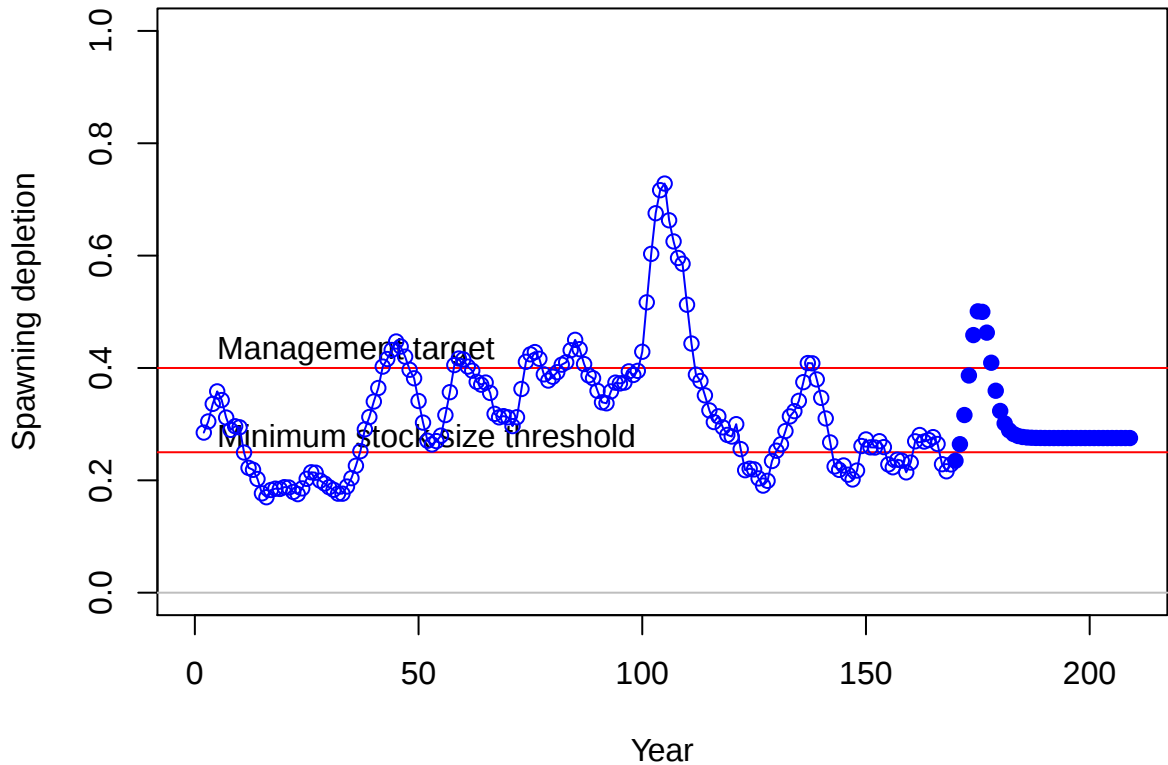
Spawning depletion



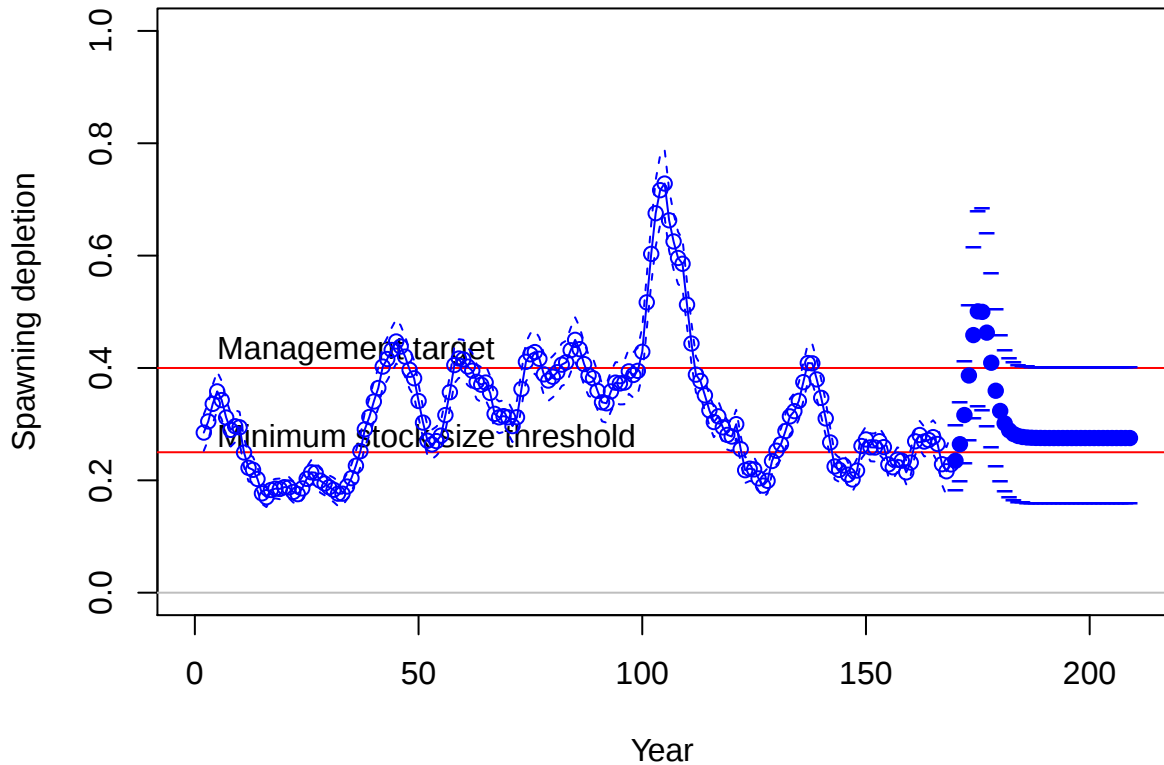
Spawning depletion with ~95% asymptotic intervals



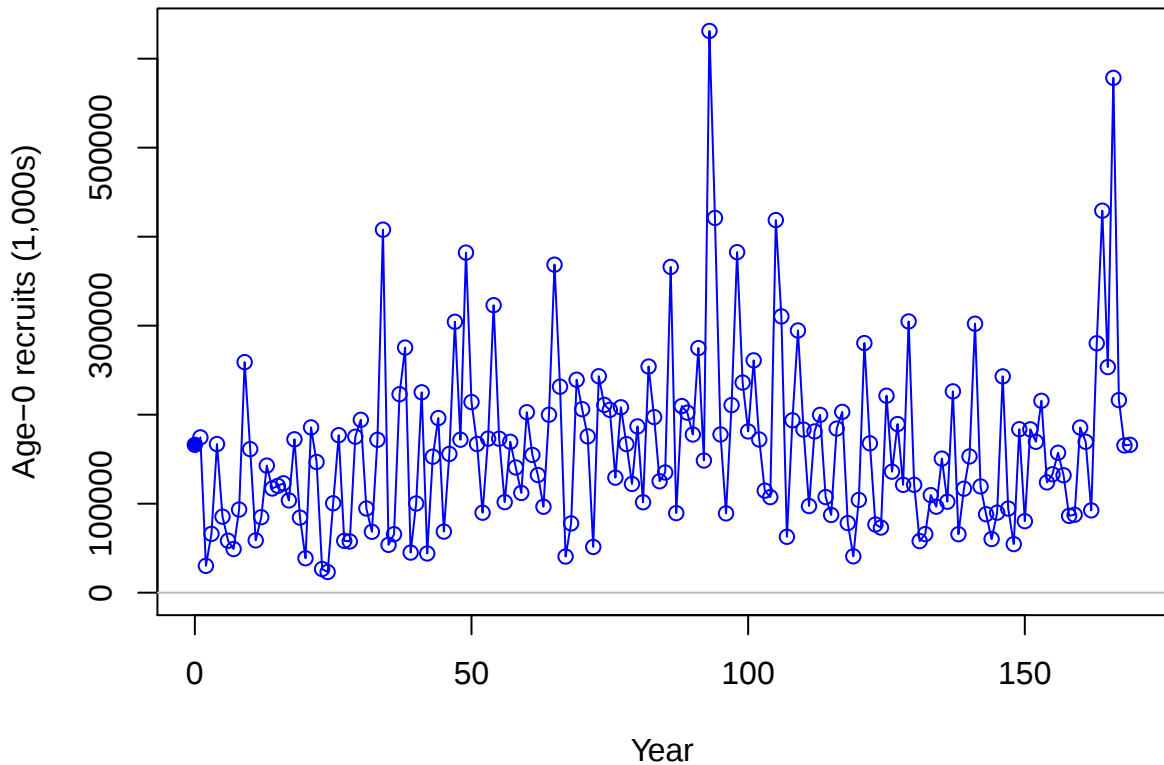
Spawning depletion with forecast



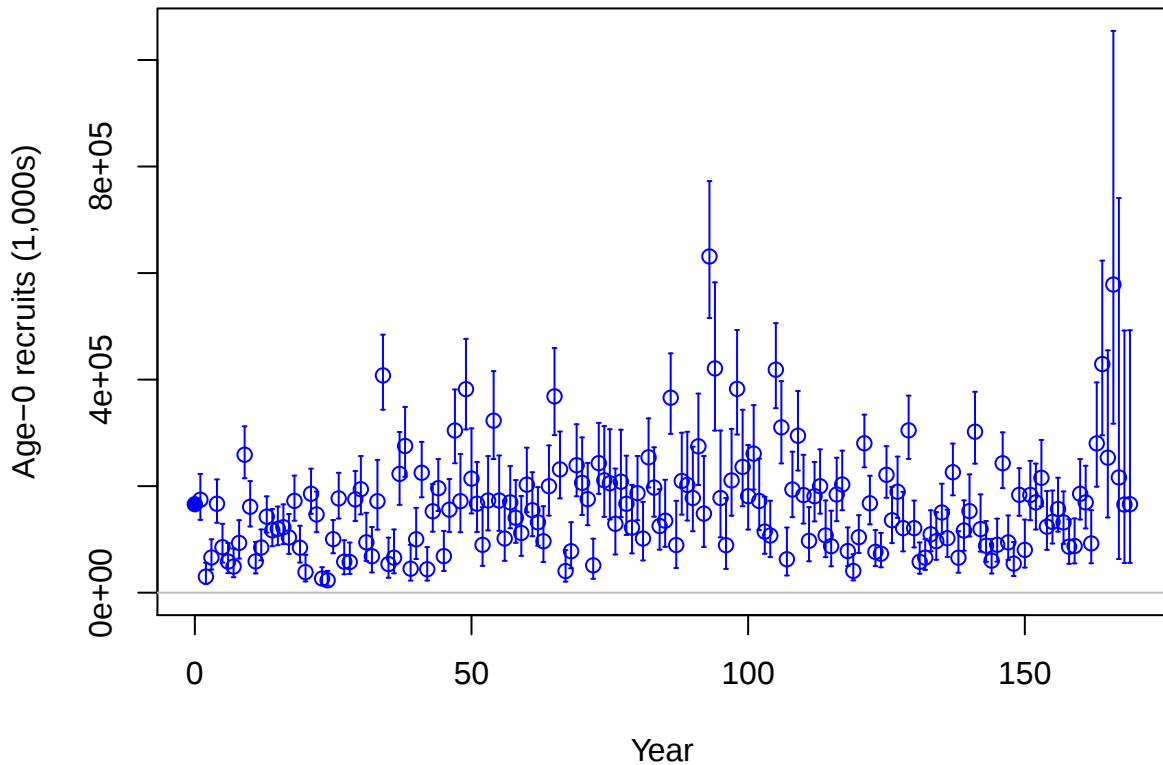
Spawning depletion with forecast with ~95% asymptotic intervals



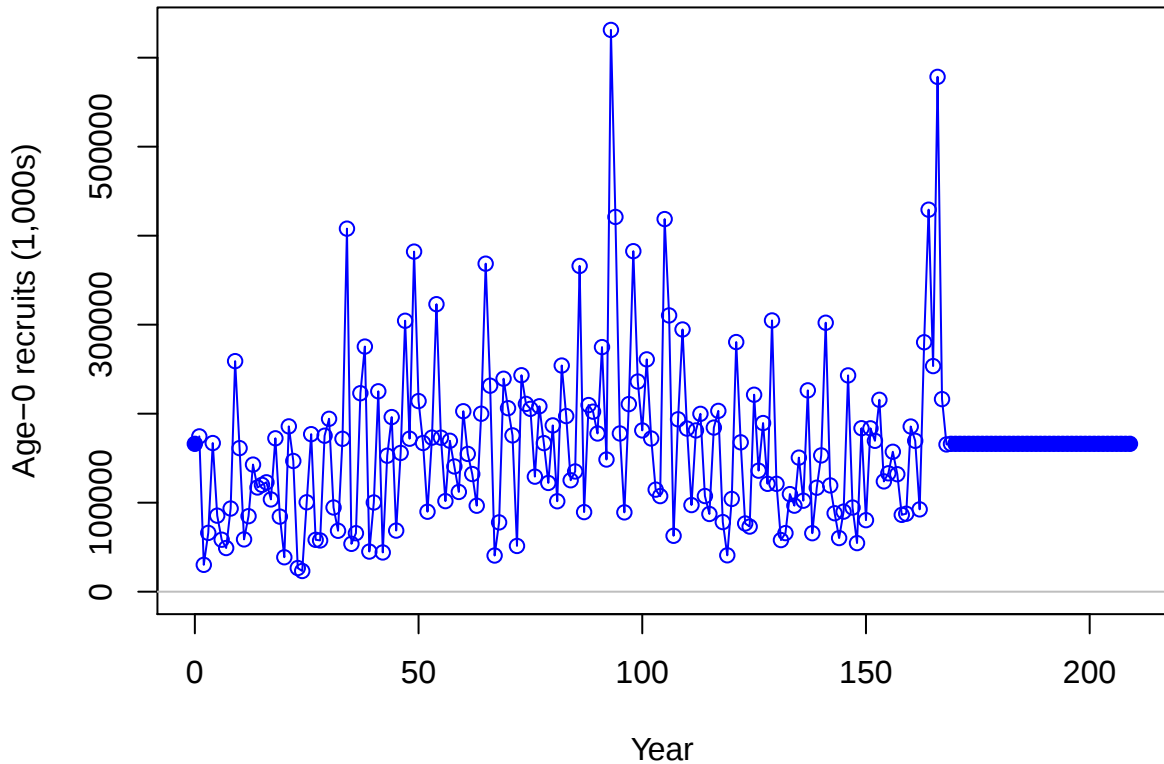
Age-0 recruits (1,000s)



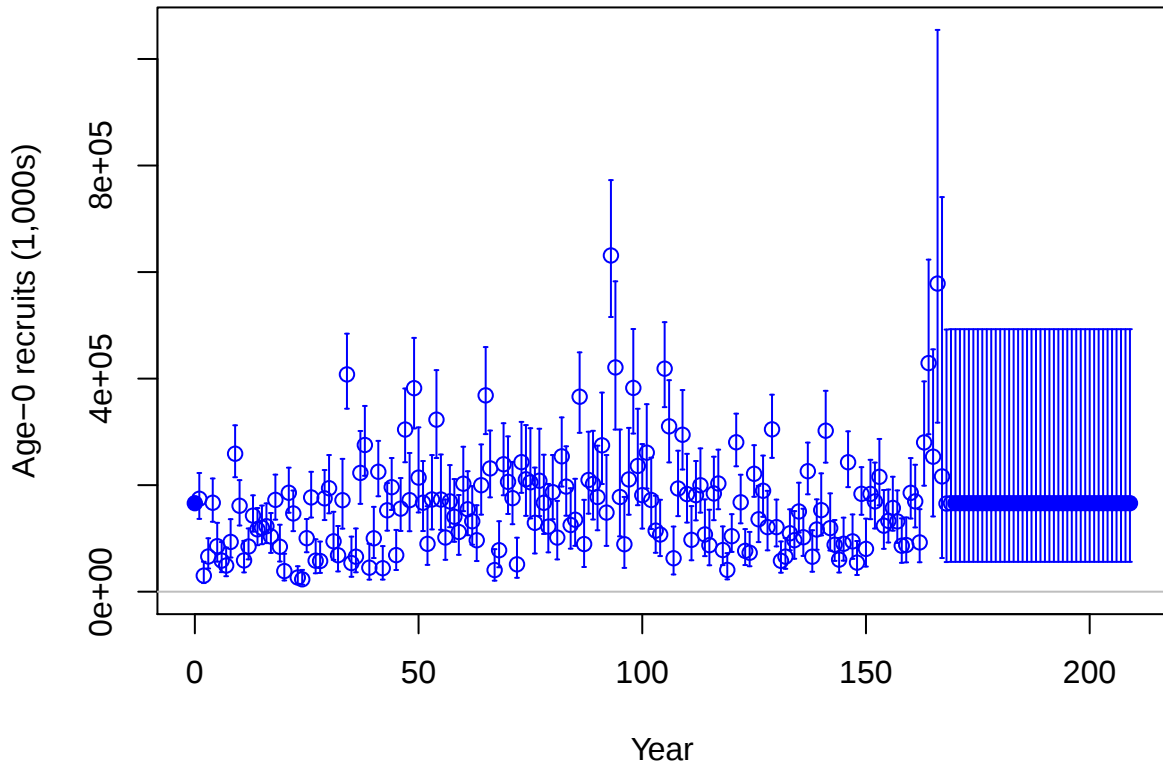
Age-0 recruits (1,000s) with ~95% asymptotic intervals



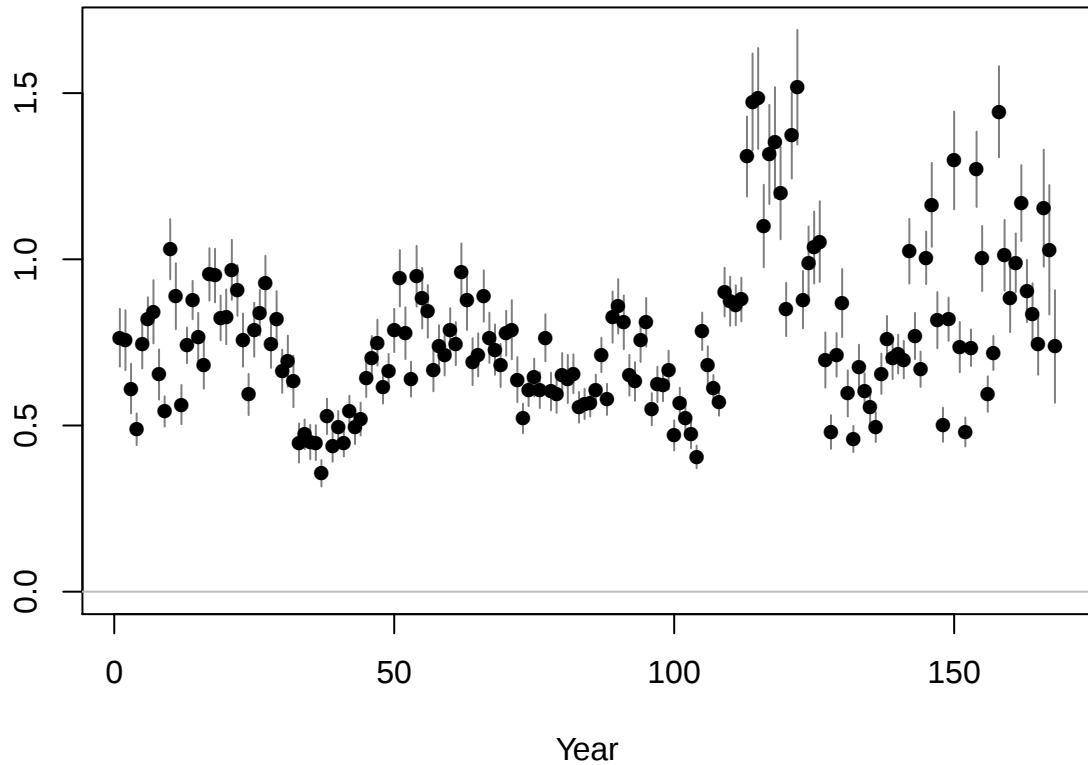
Age-0 recruits (1,000s) with forecast

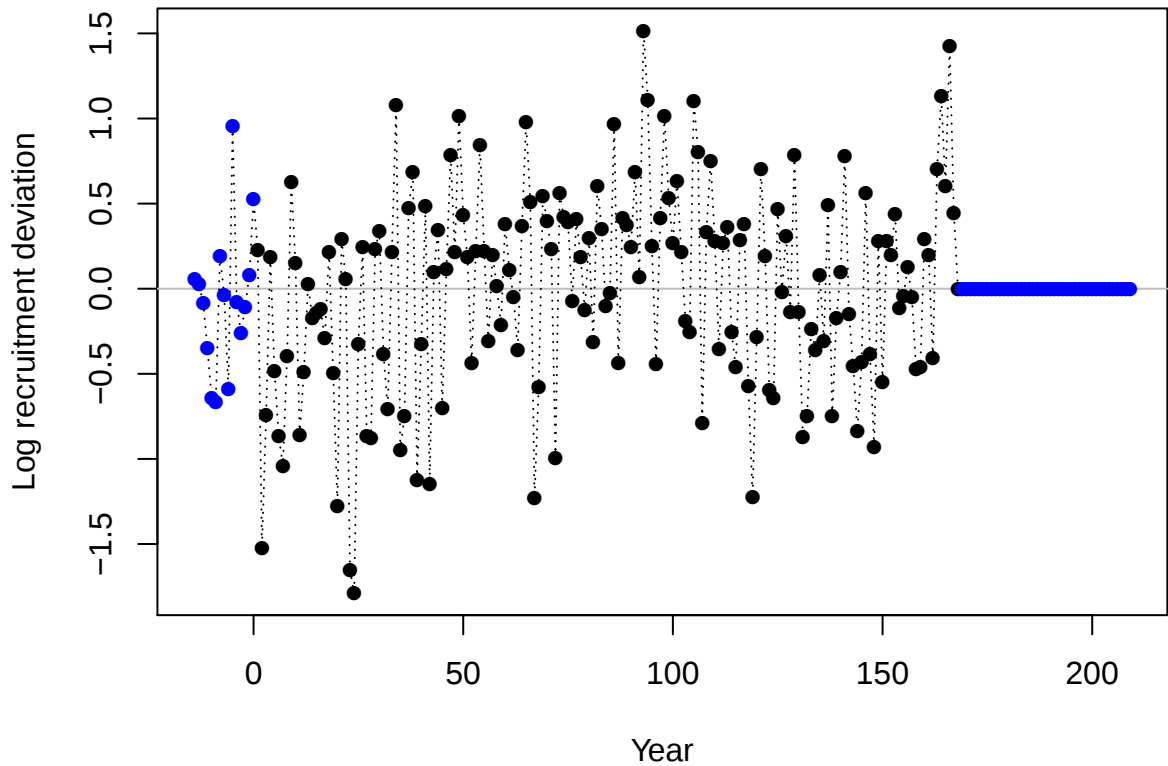


Age-0 recruits (1,000s) with forecast with ~95% asymptotic intervals

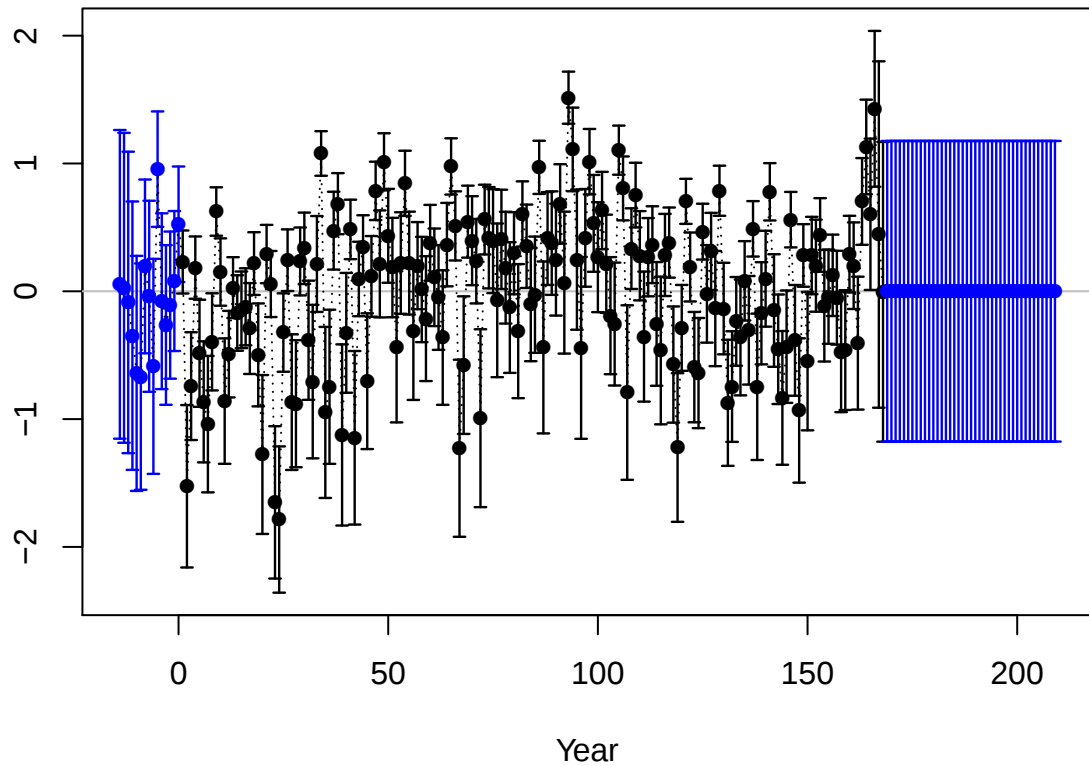


Summary Fishing Mortality

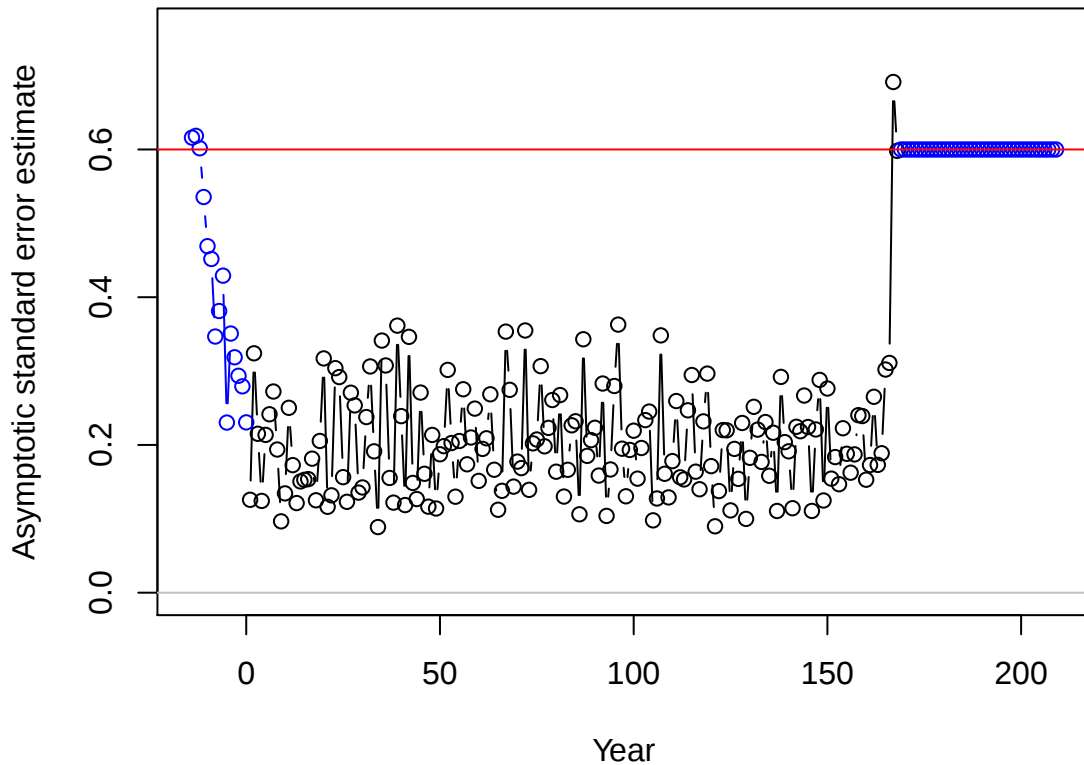


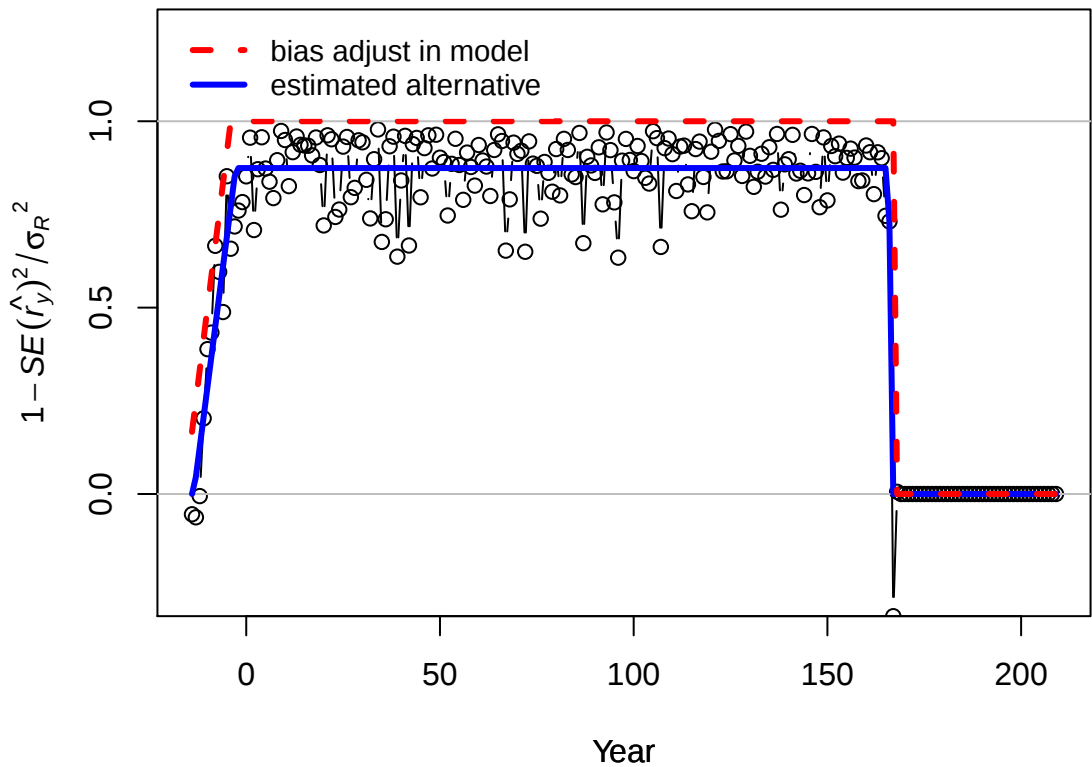


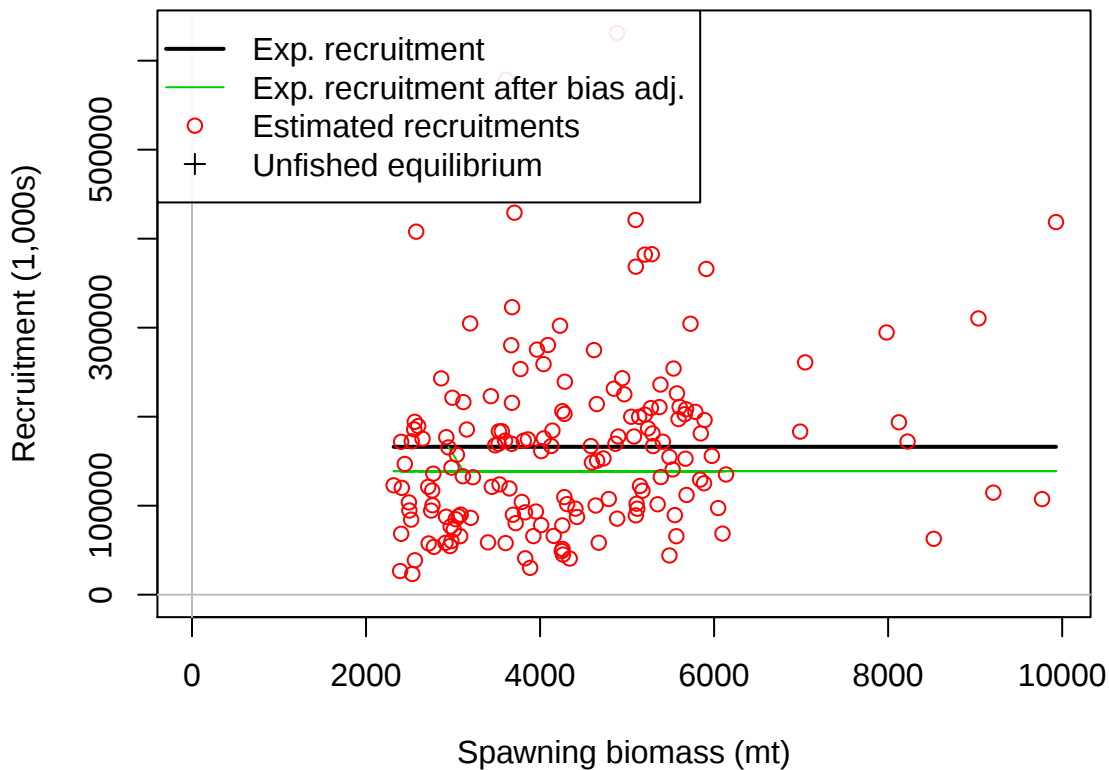
Log recruitment deviation

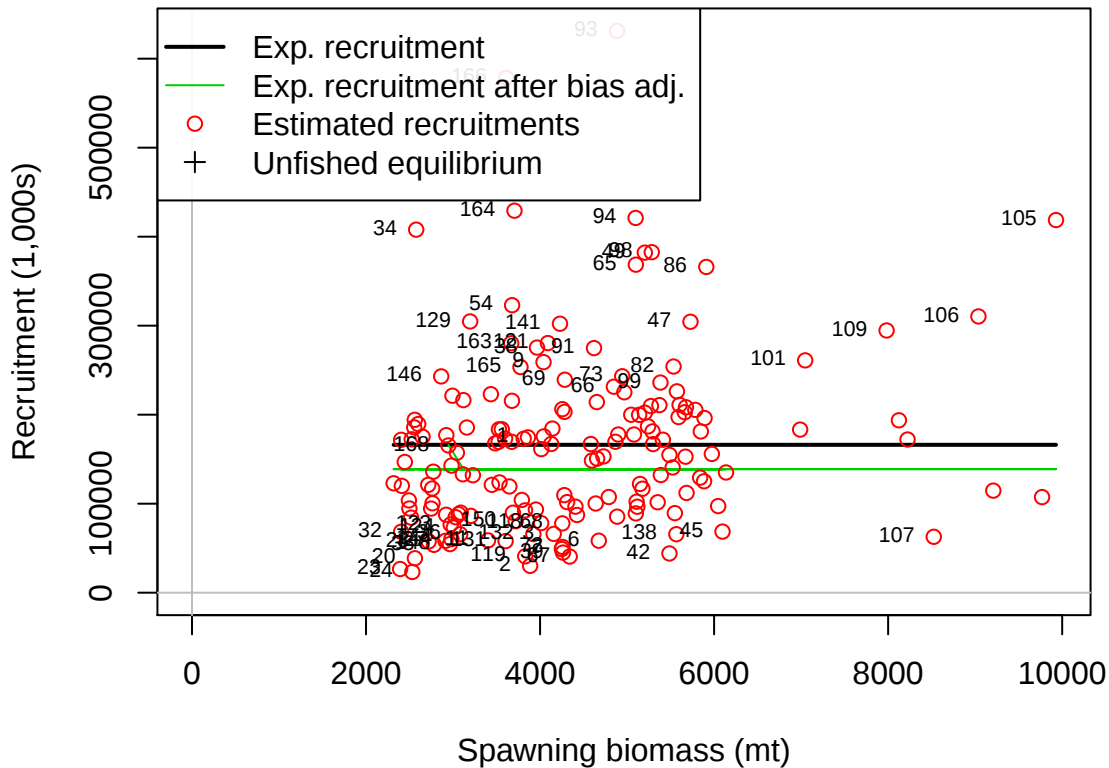


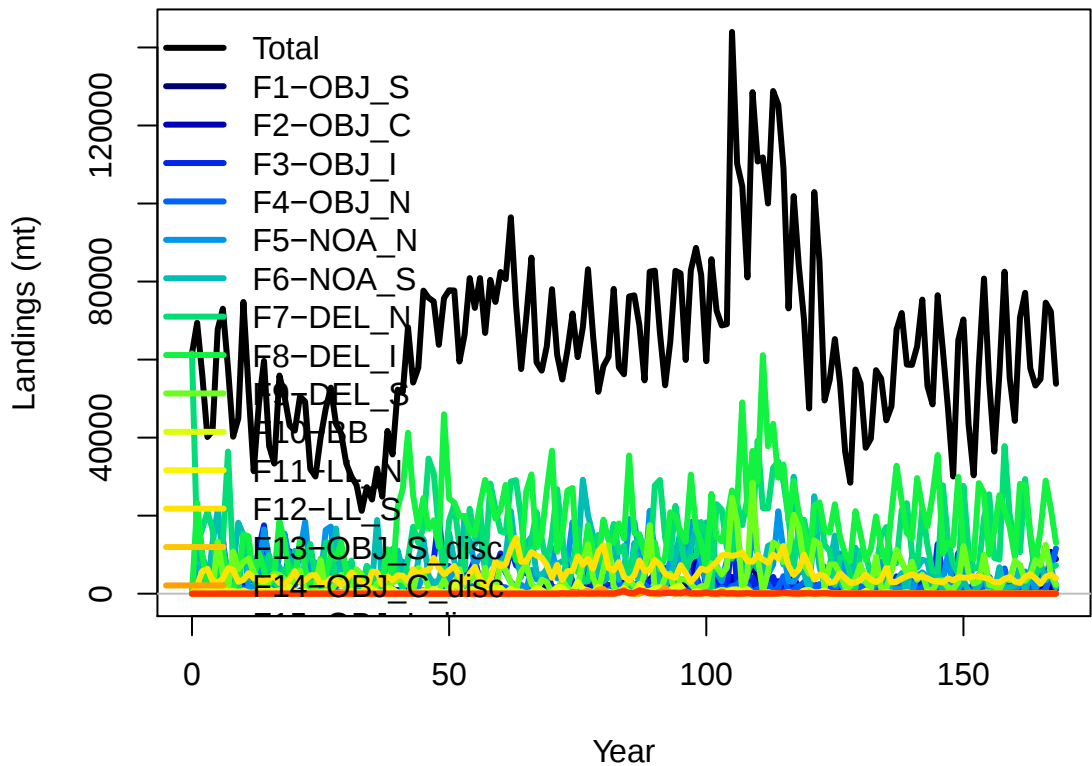
Recruitment deviation variance

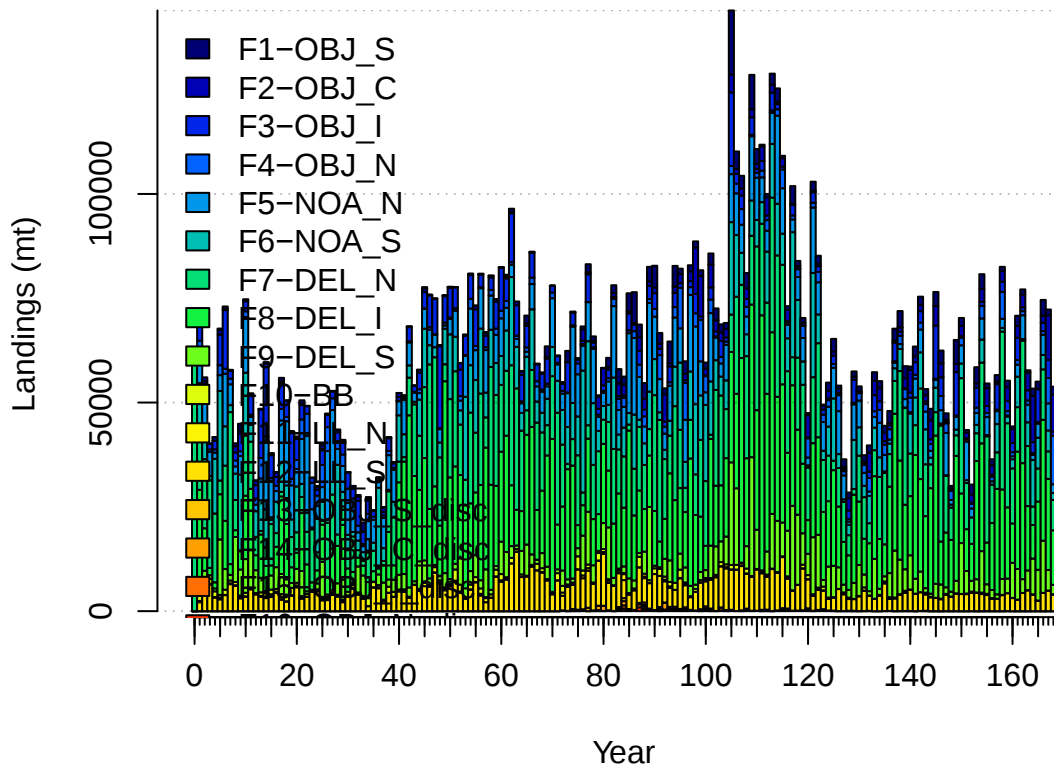


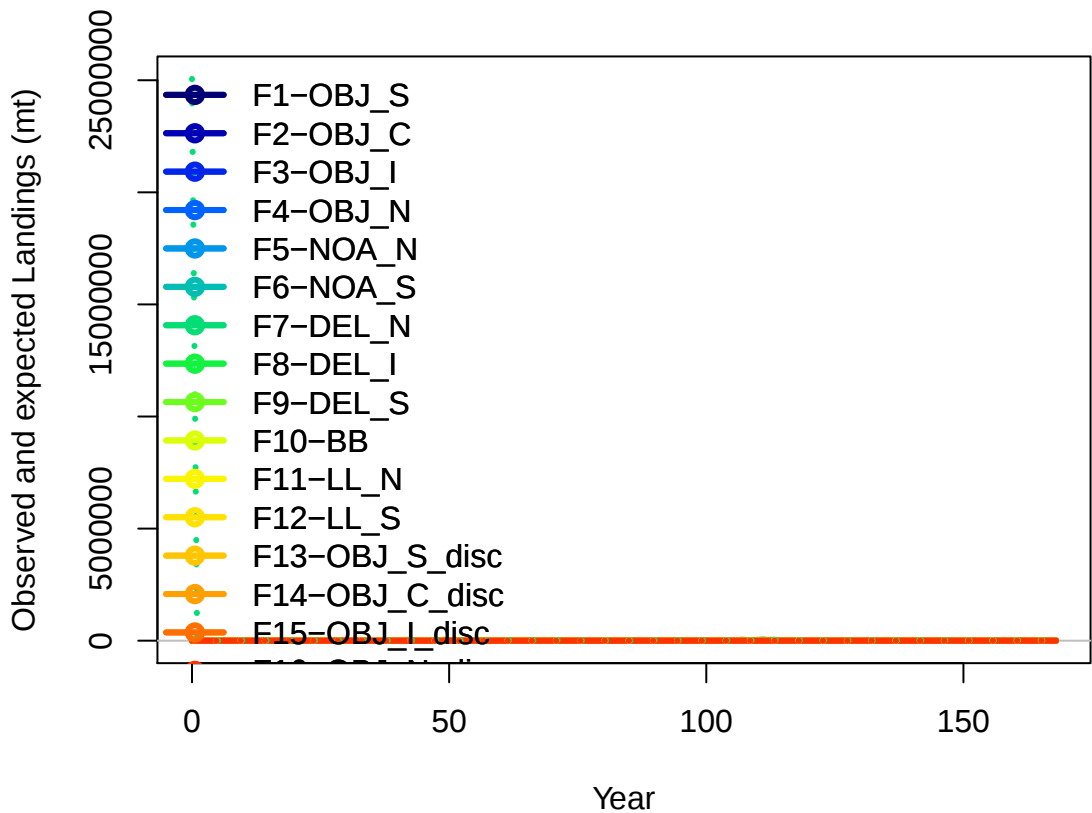


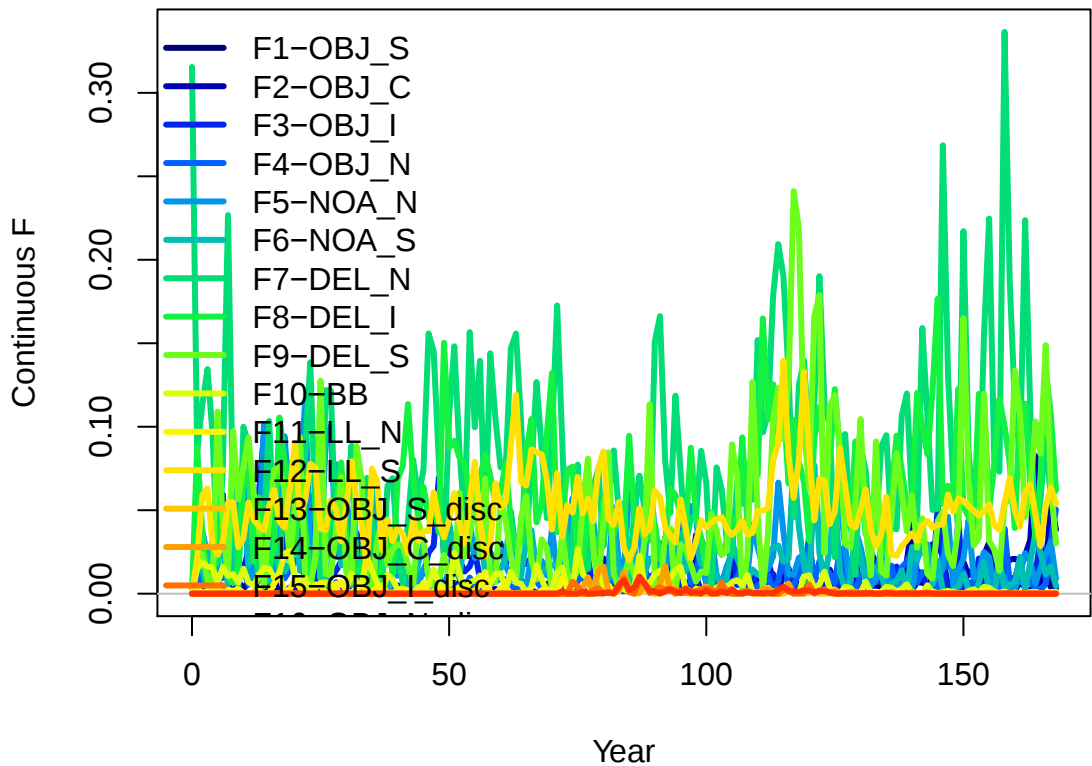


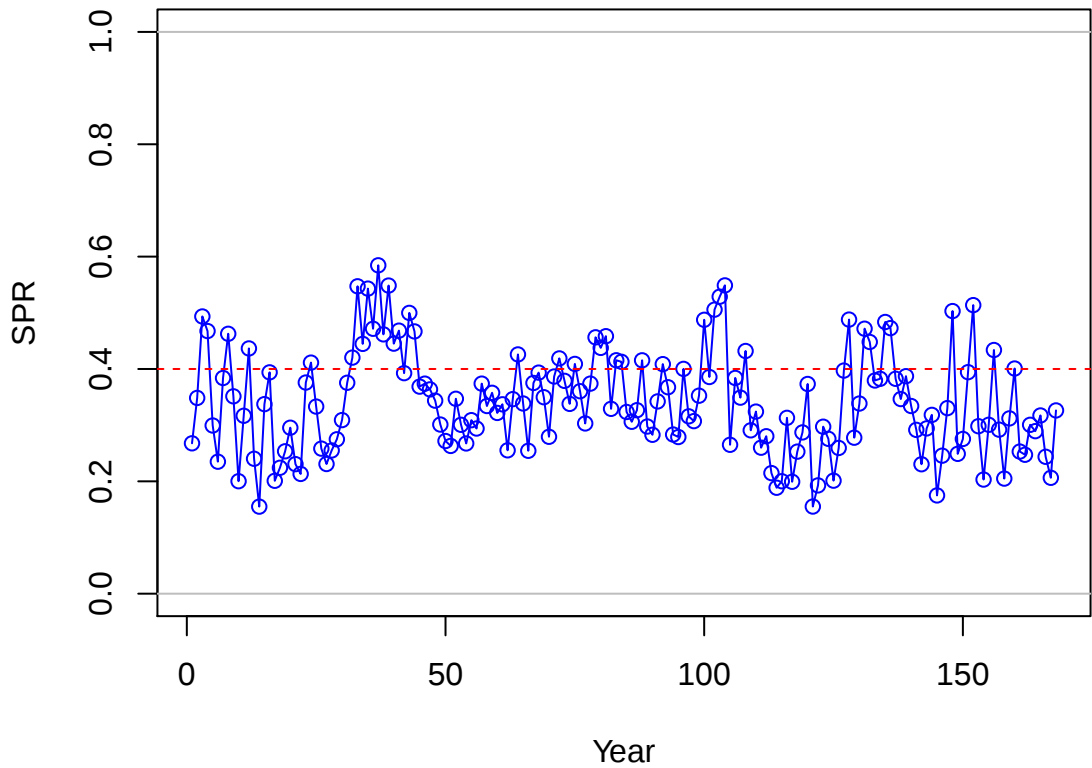


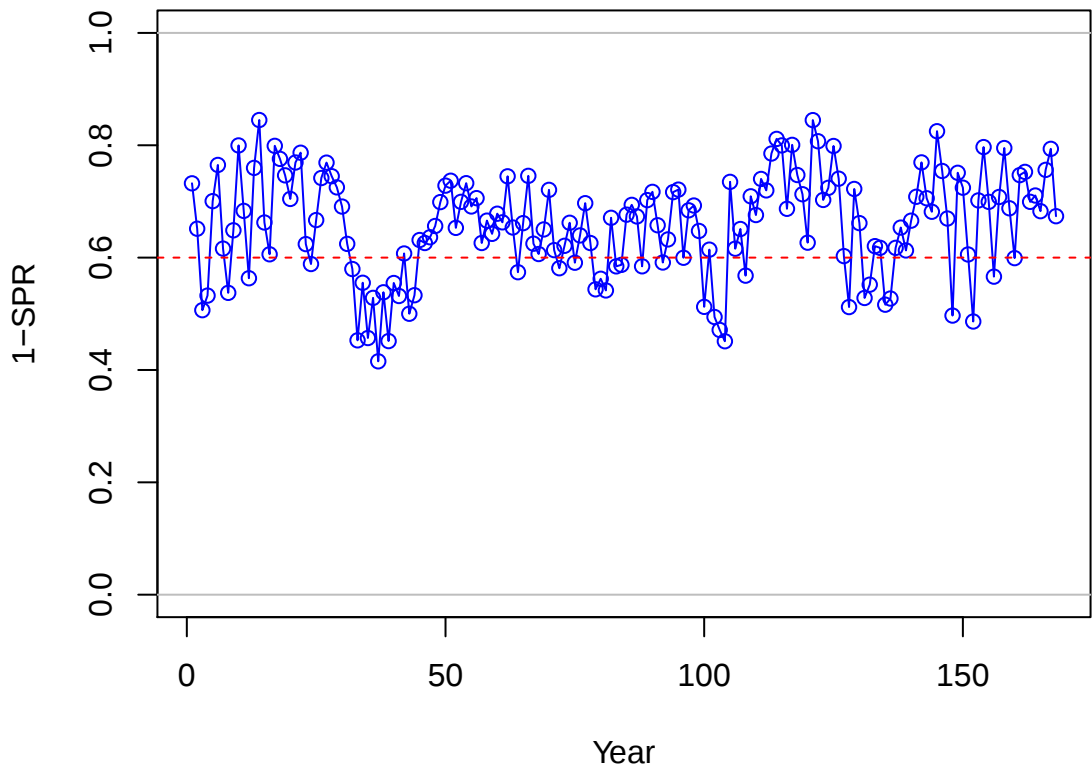


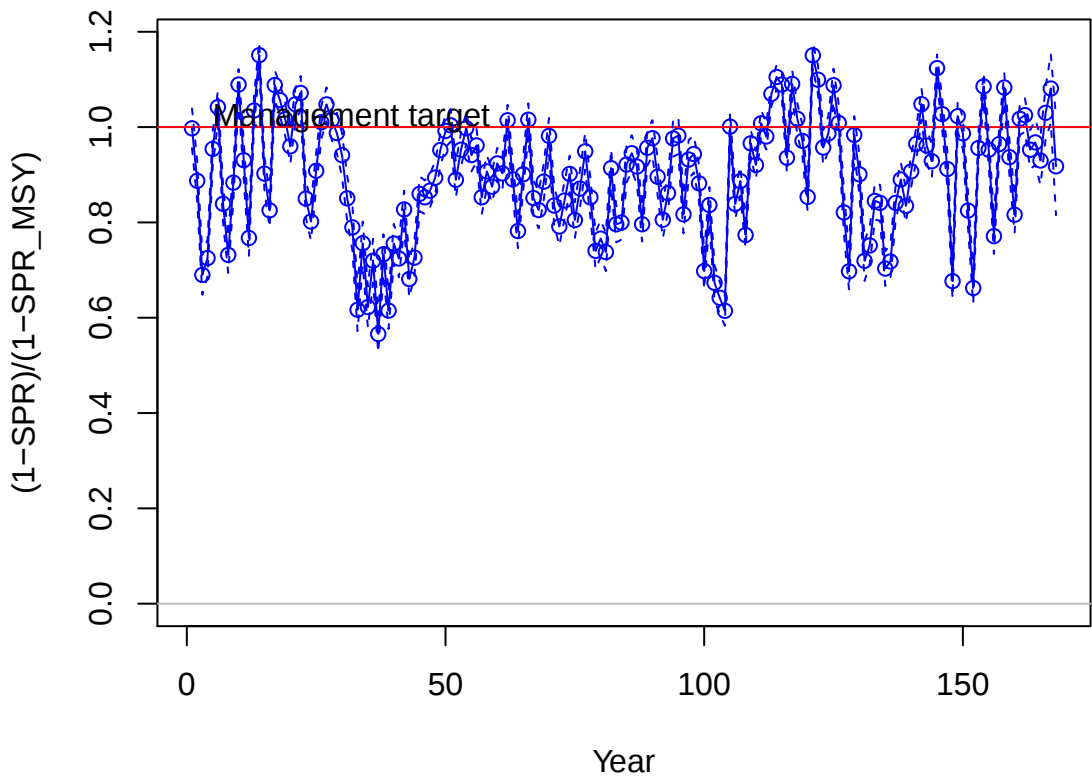


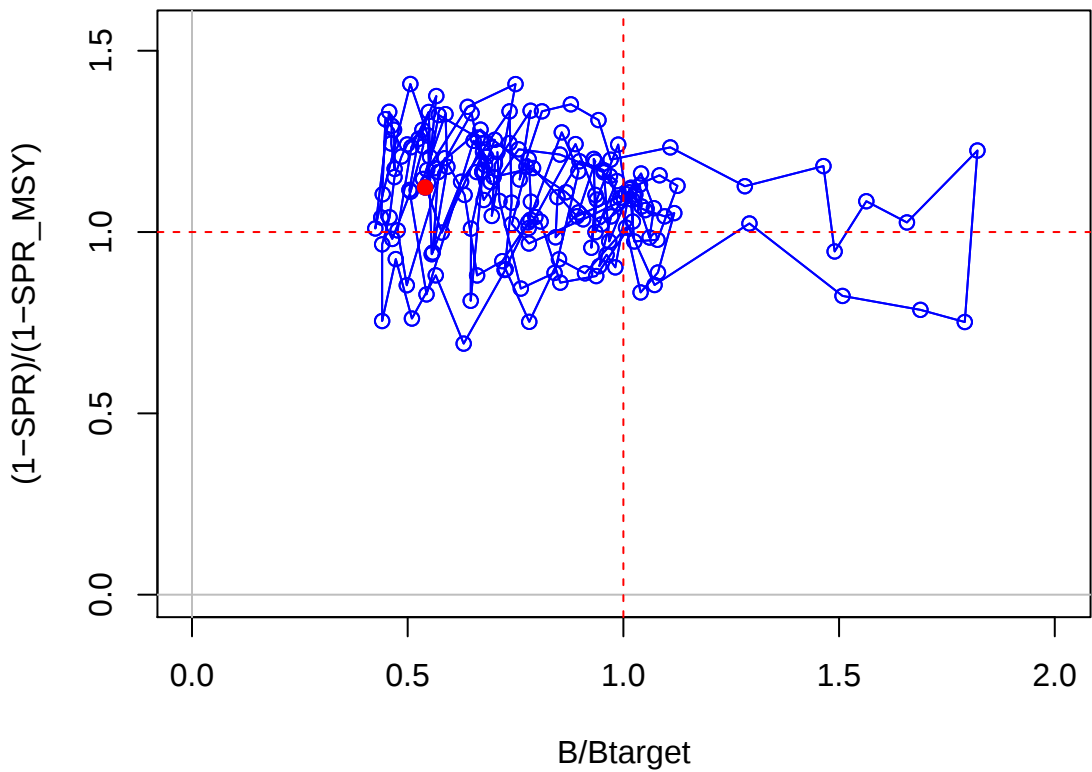




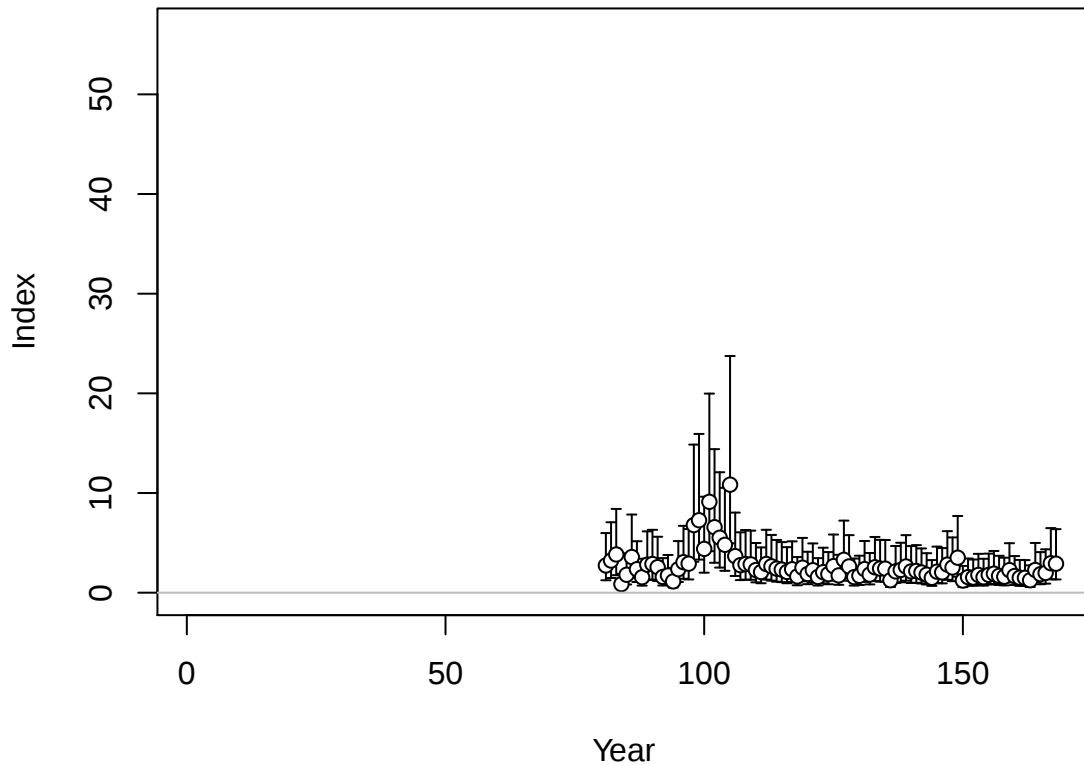




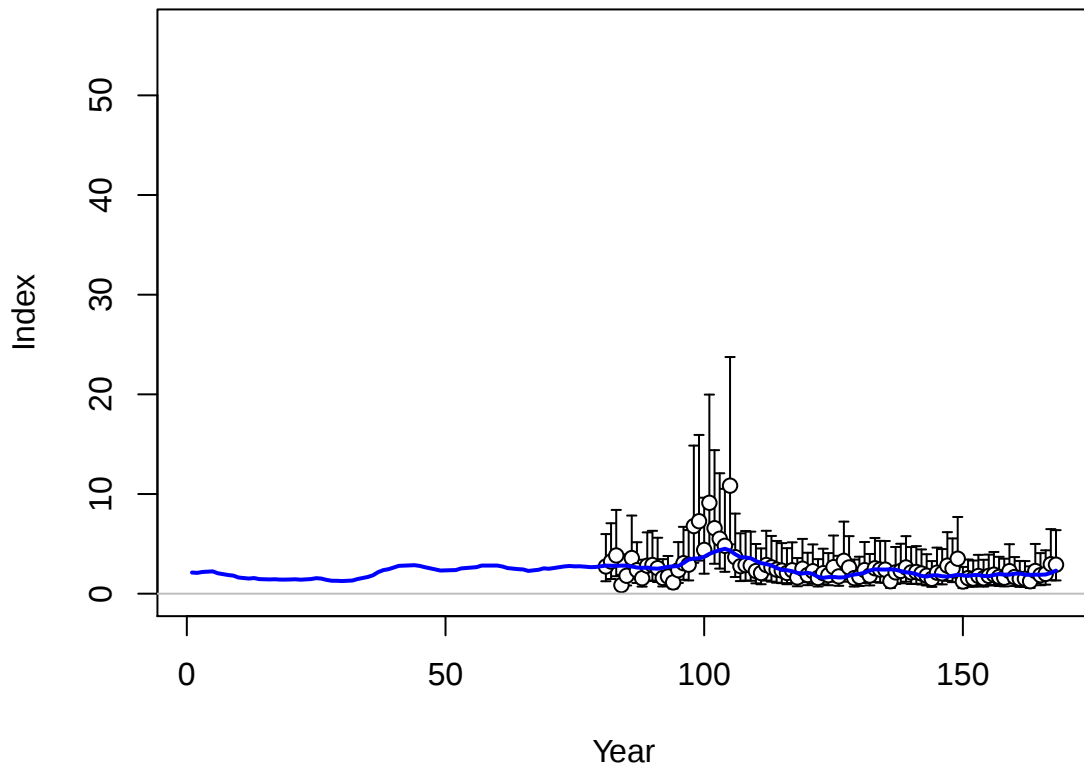




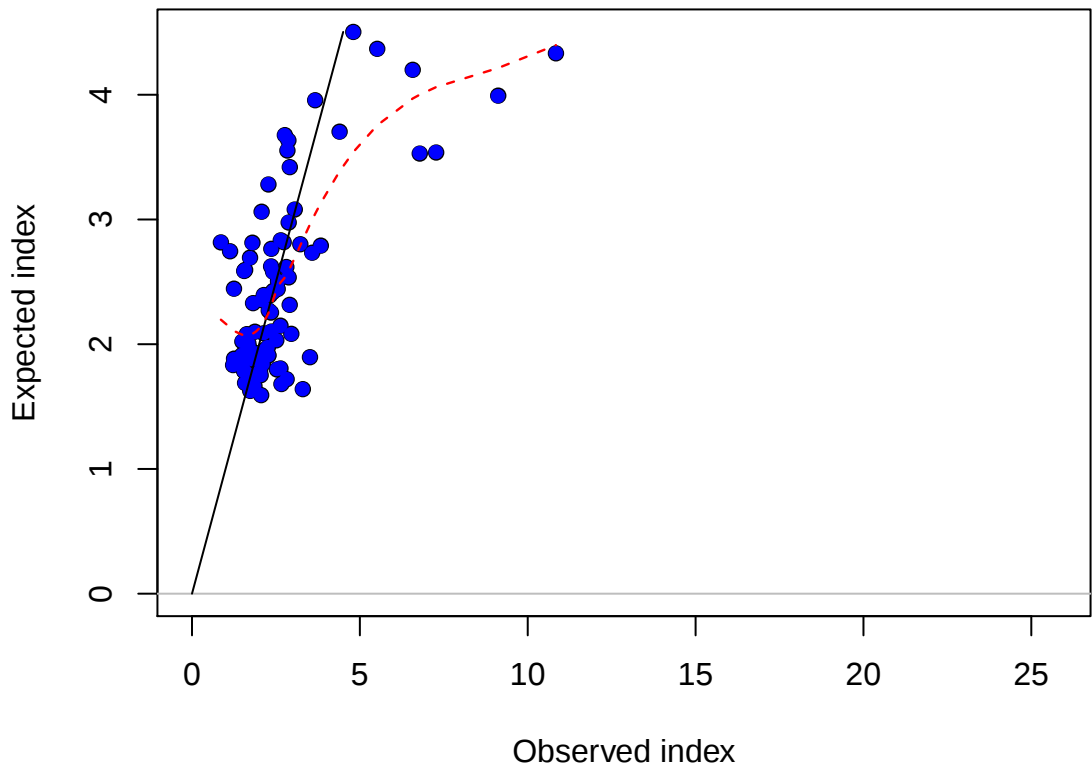
Index F1-OBJ_S



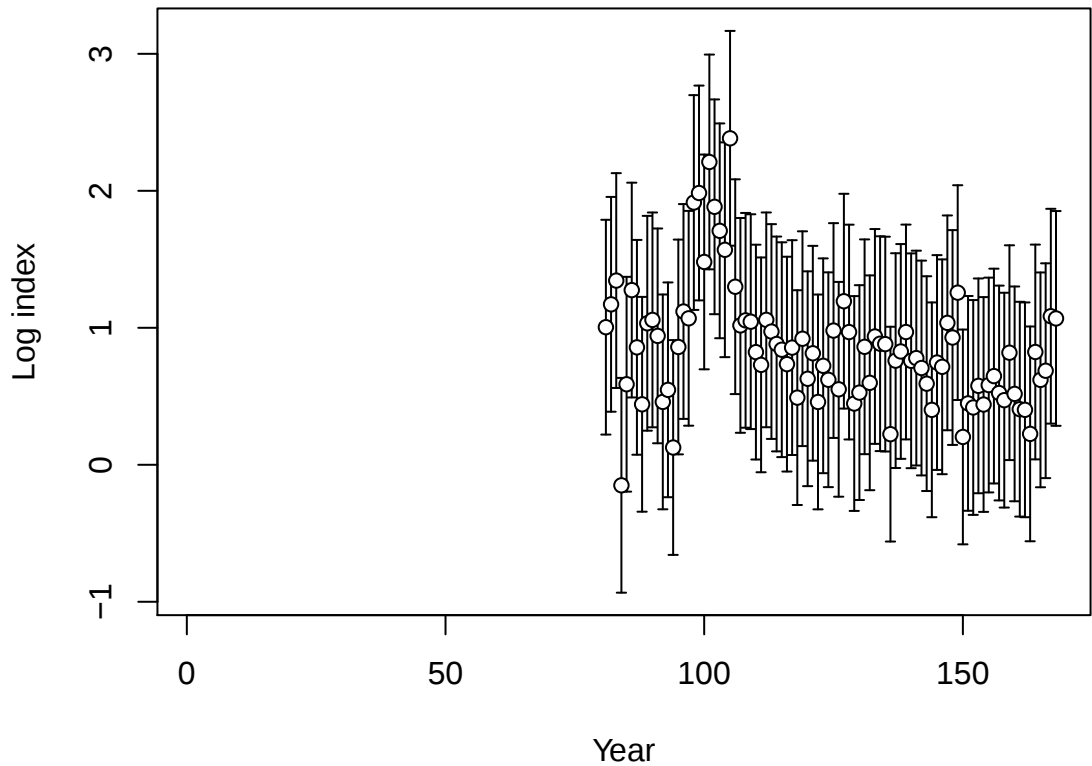
Index F1-OBJ_S



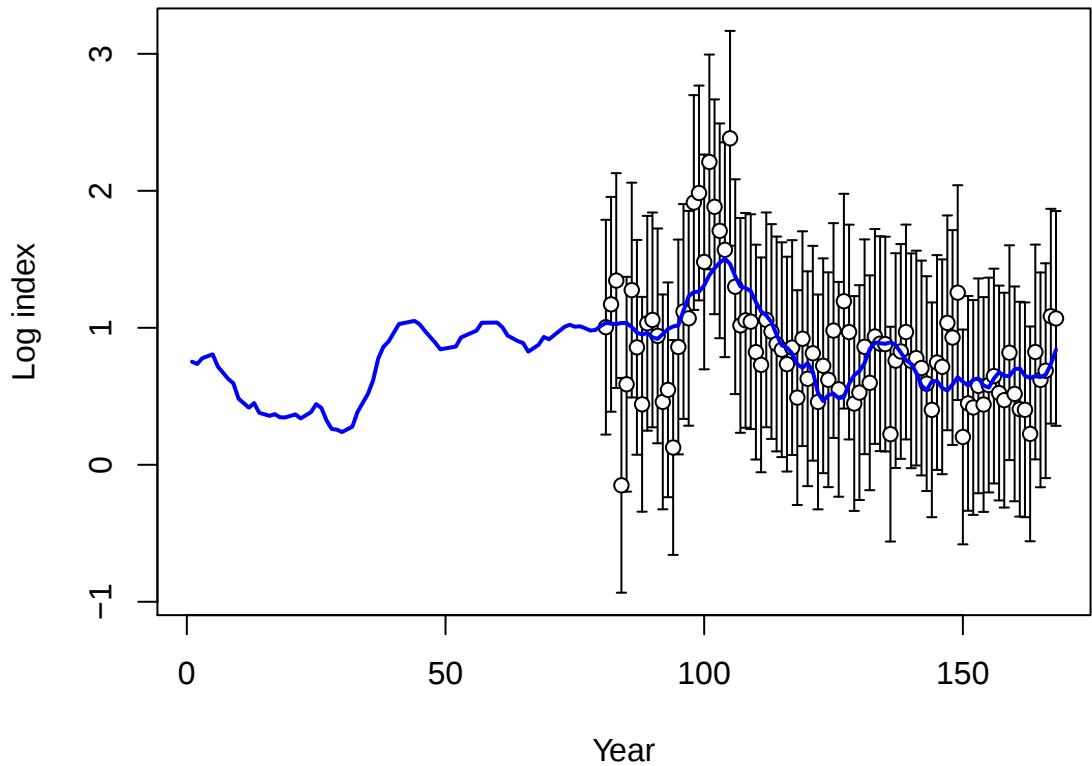
Index F1-Obj_S



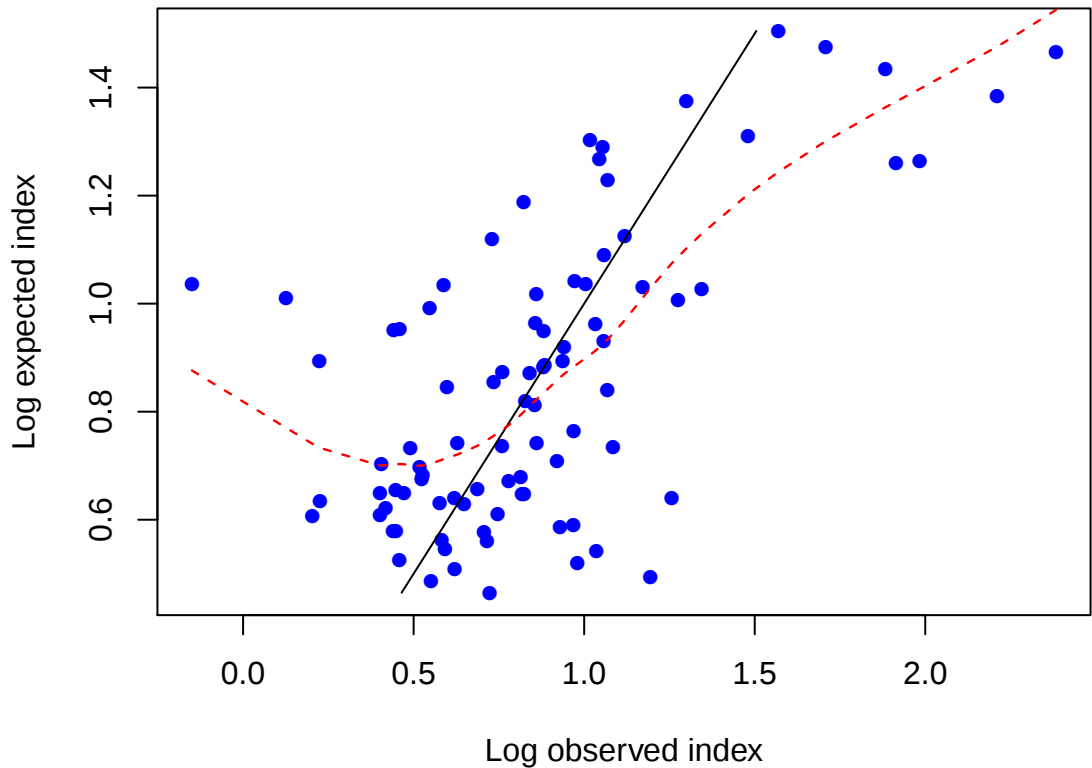
Log index F1-OBJ_S



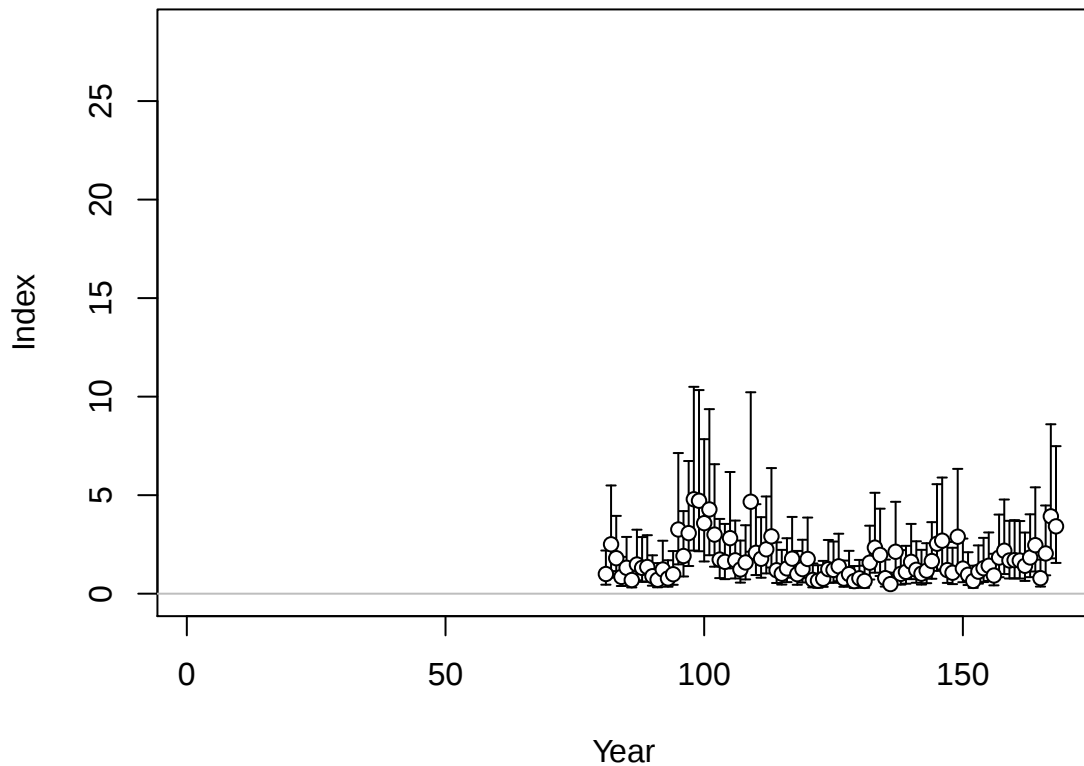
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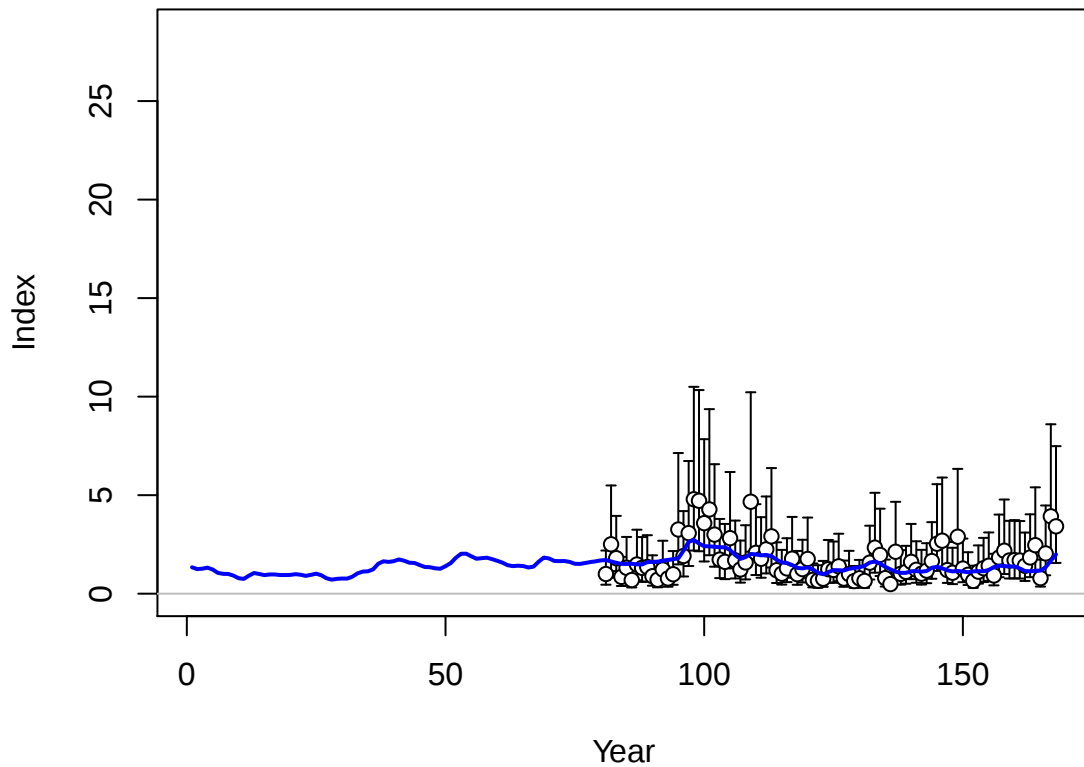
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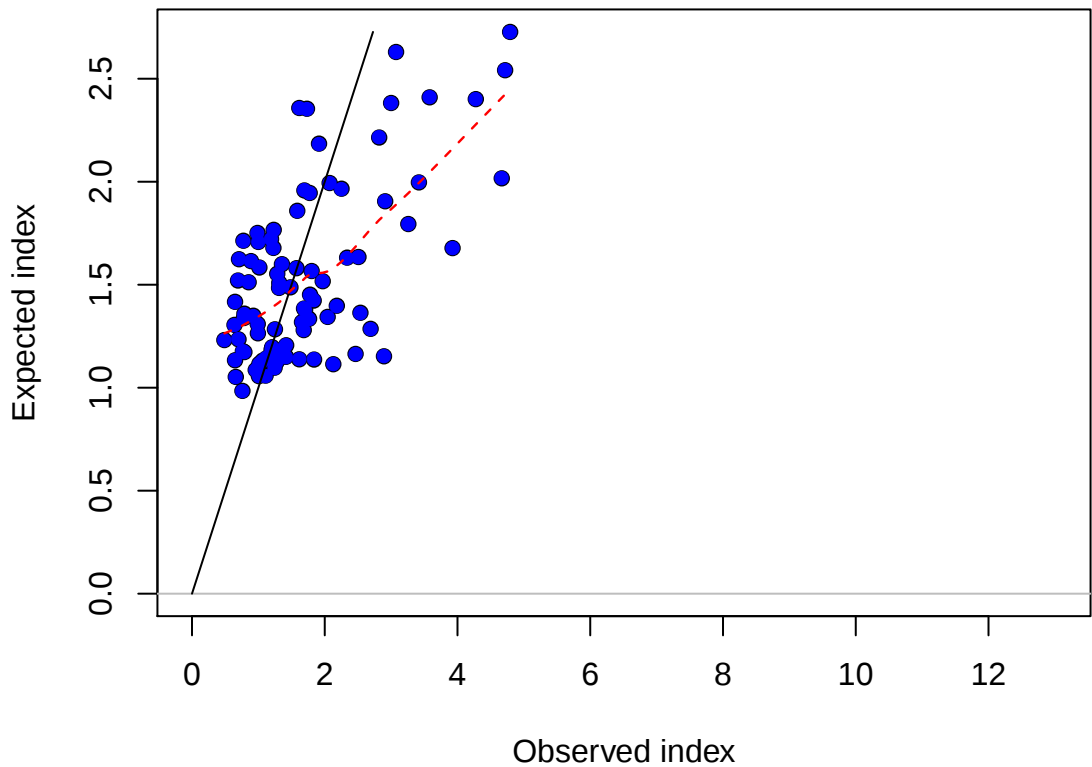
Index F2-OBJ_C



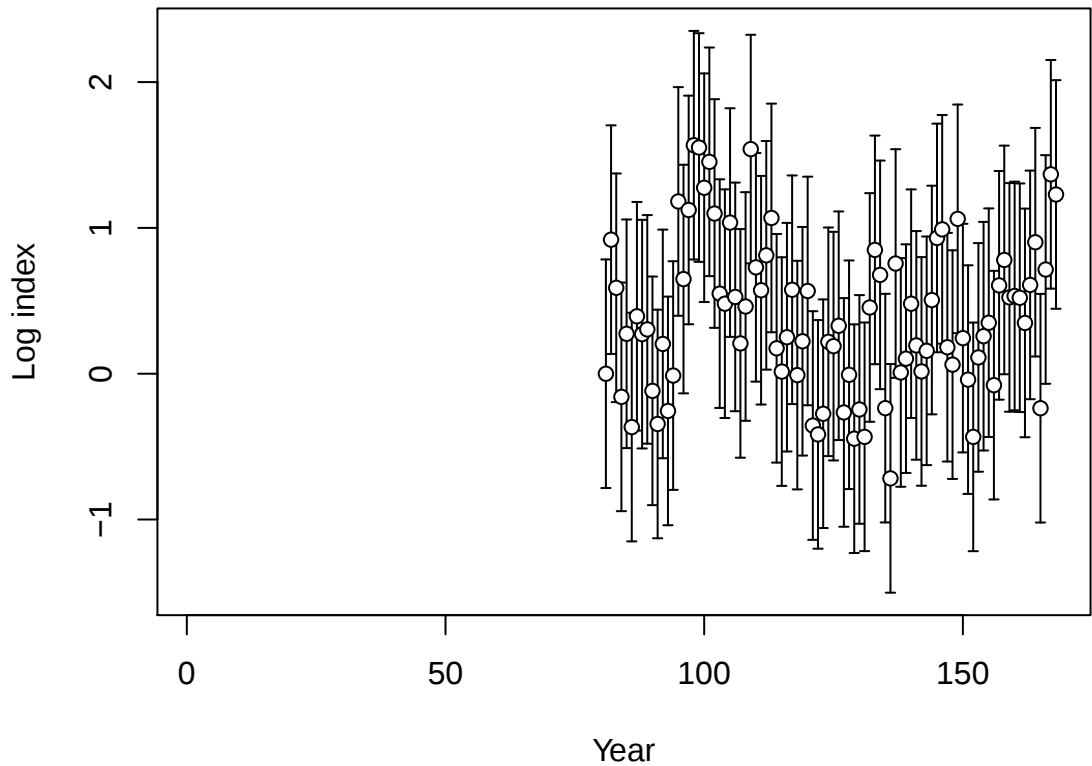
Index F2-OBJ_C



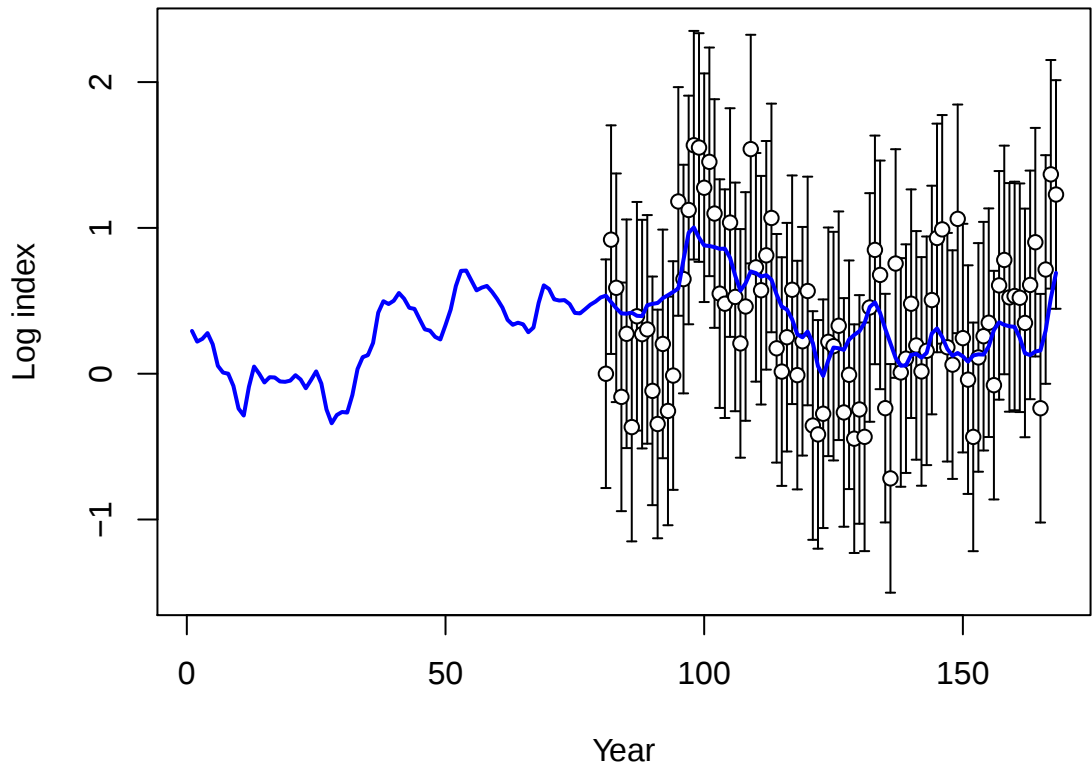
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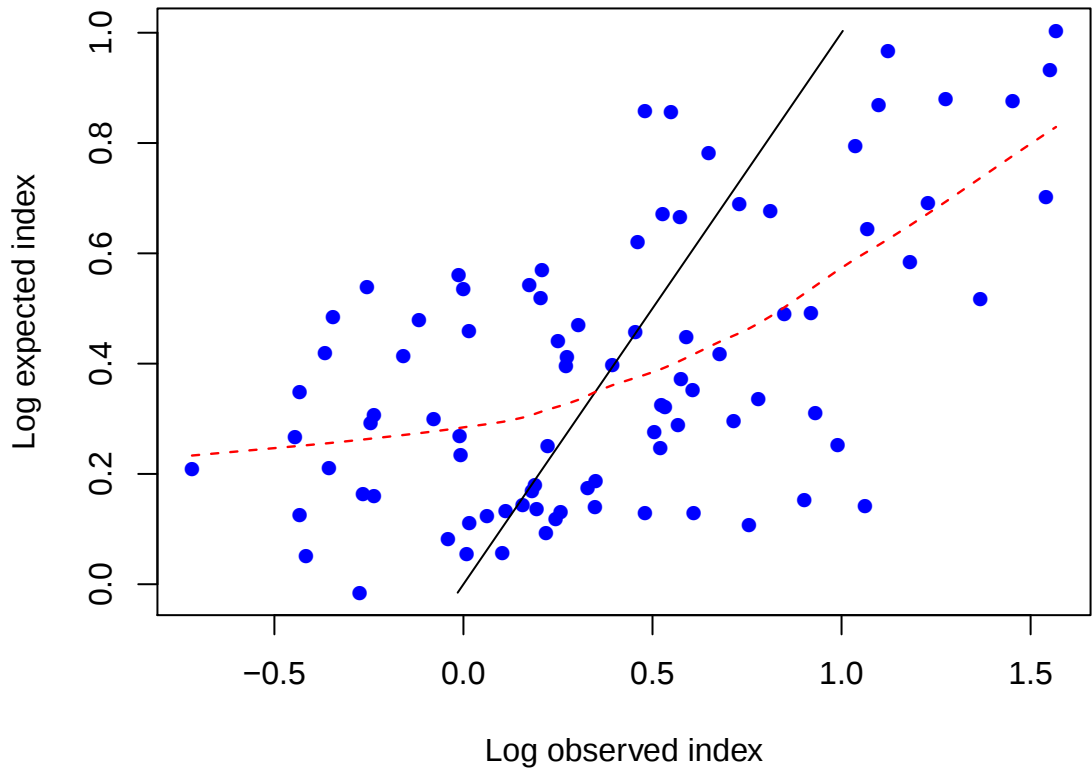
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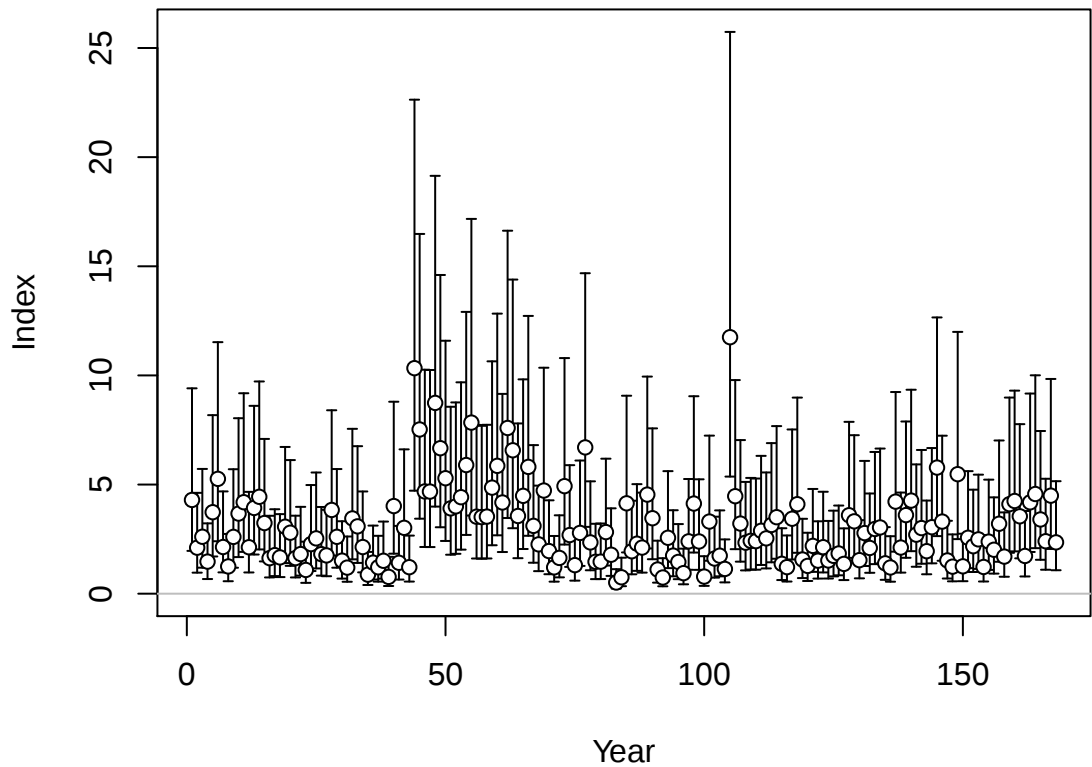
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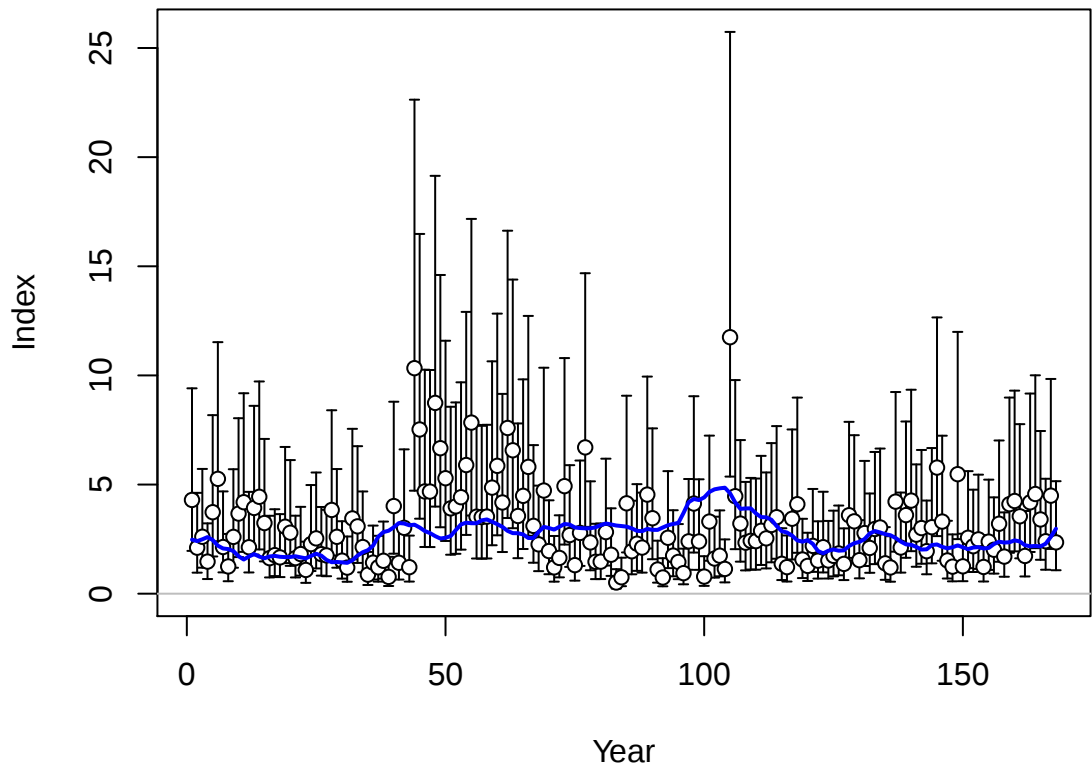
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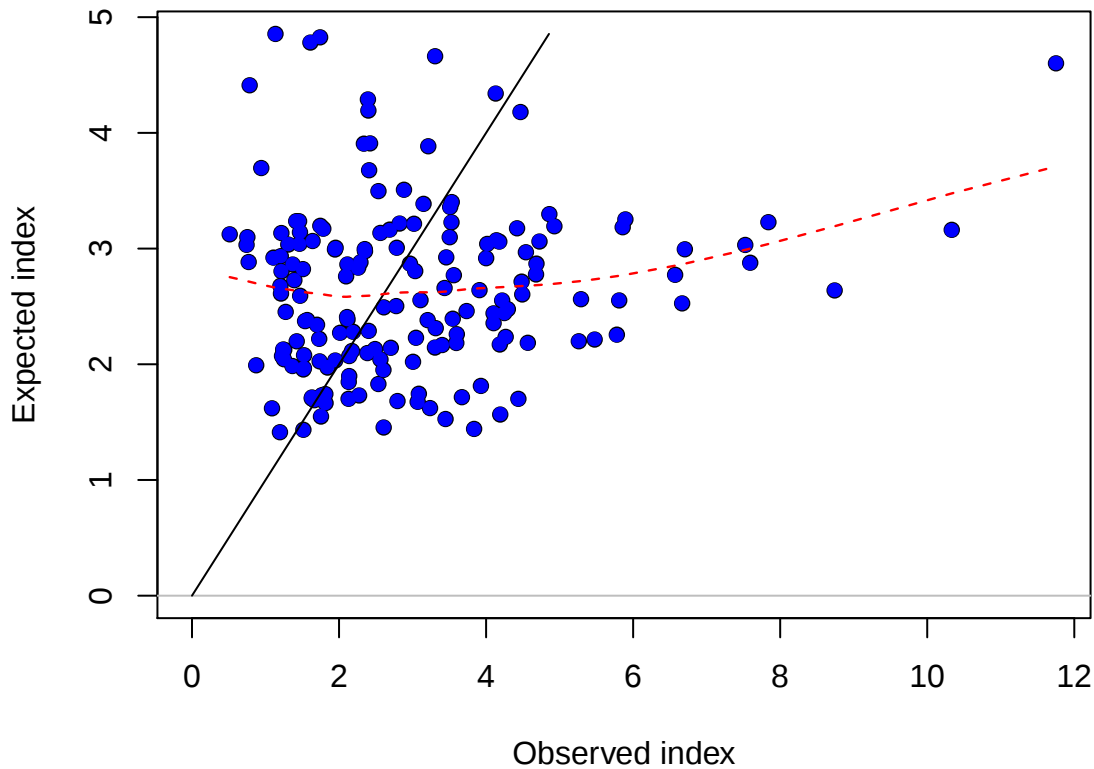
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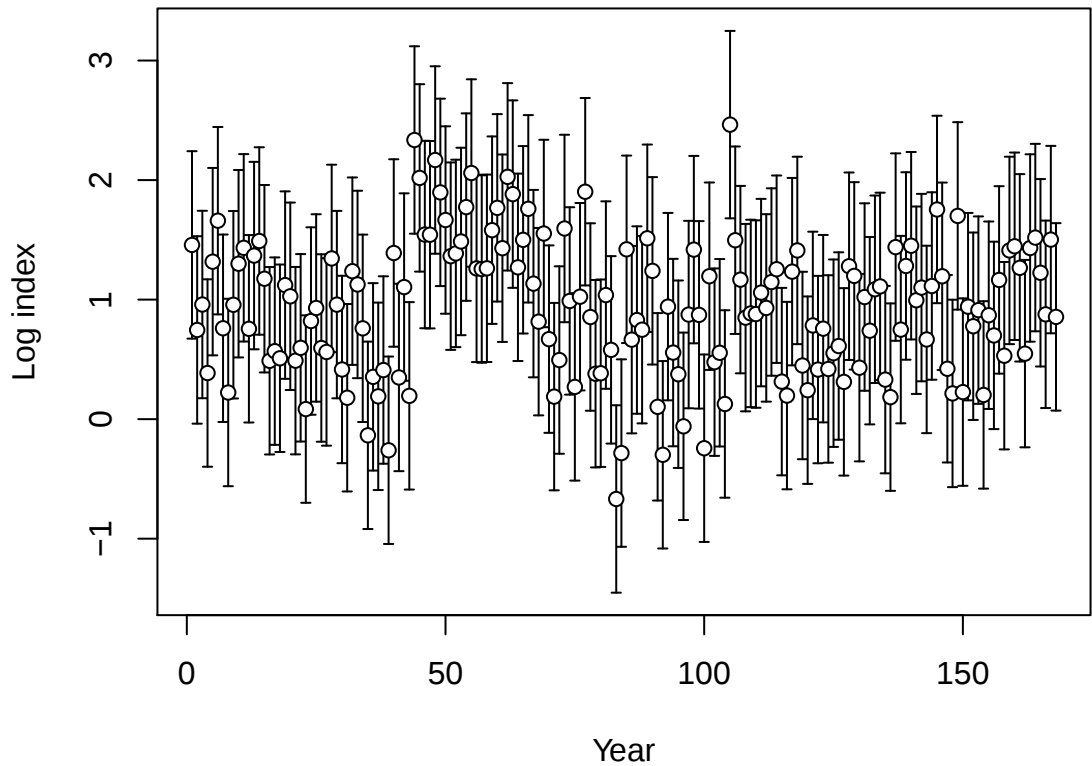
Index F3-OBJ_I



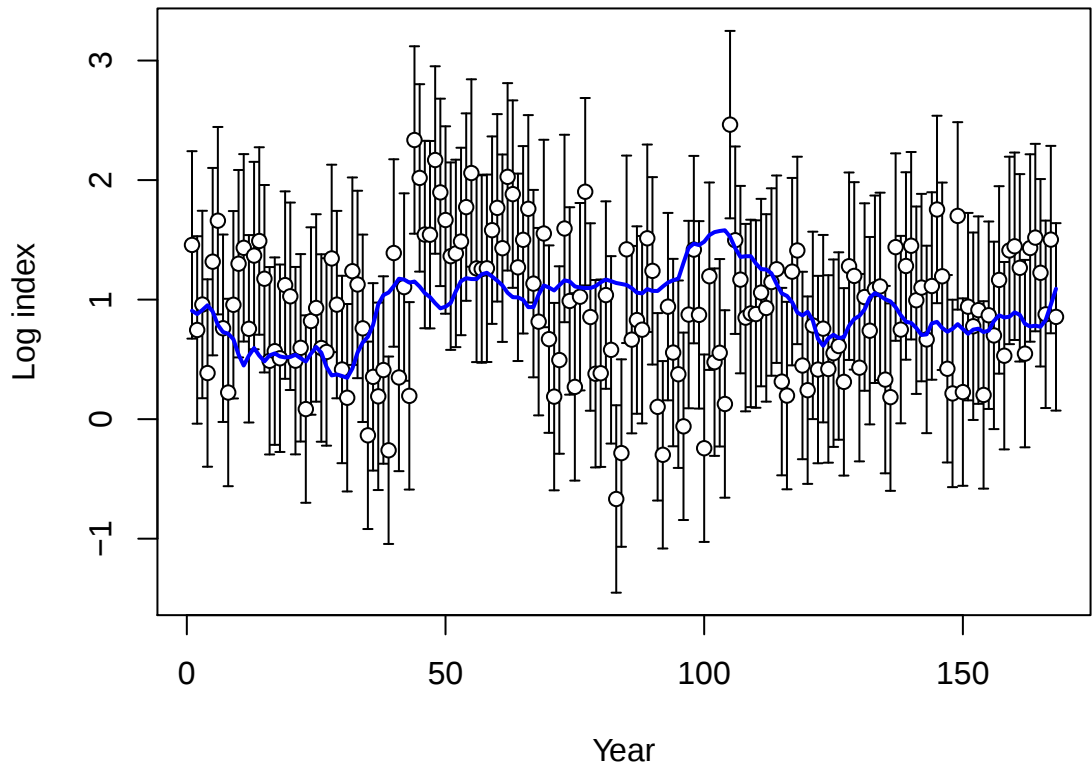
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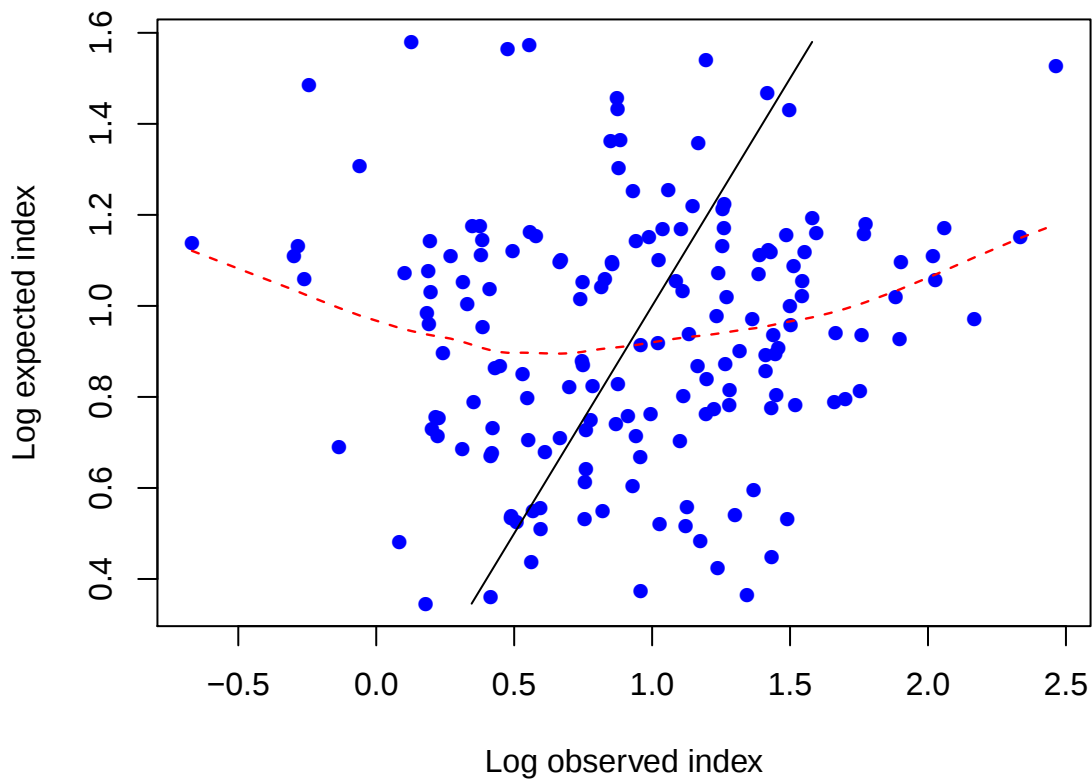
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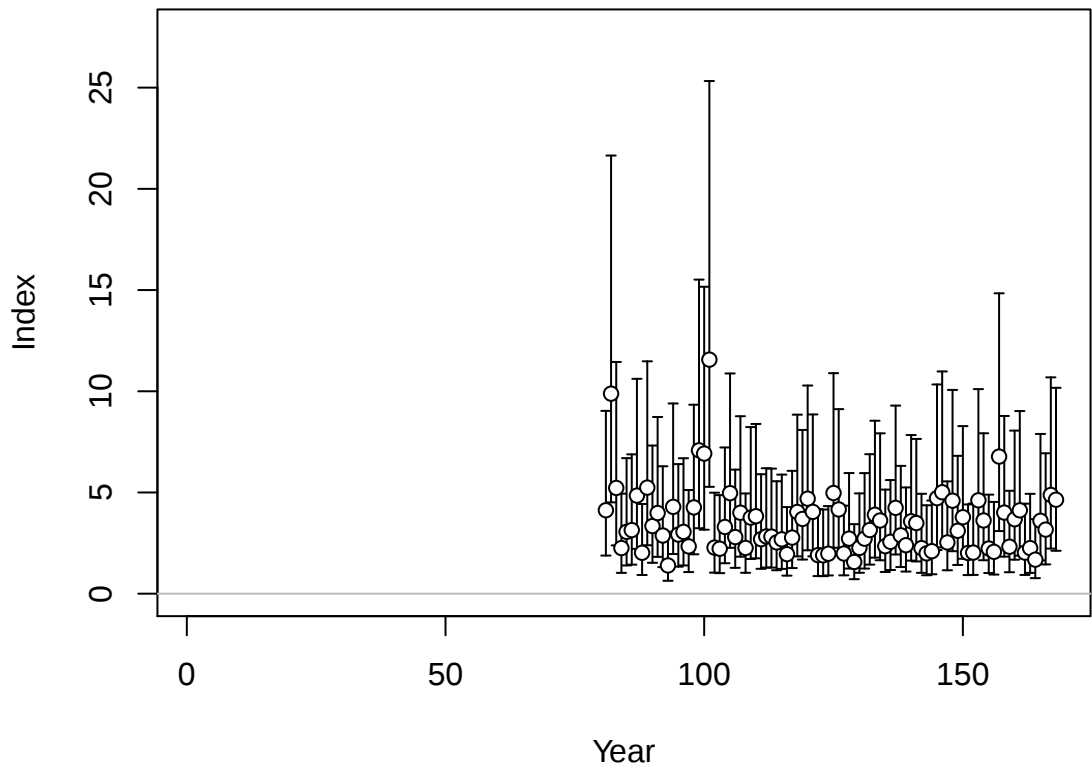
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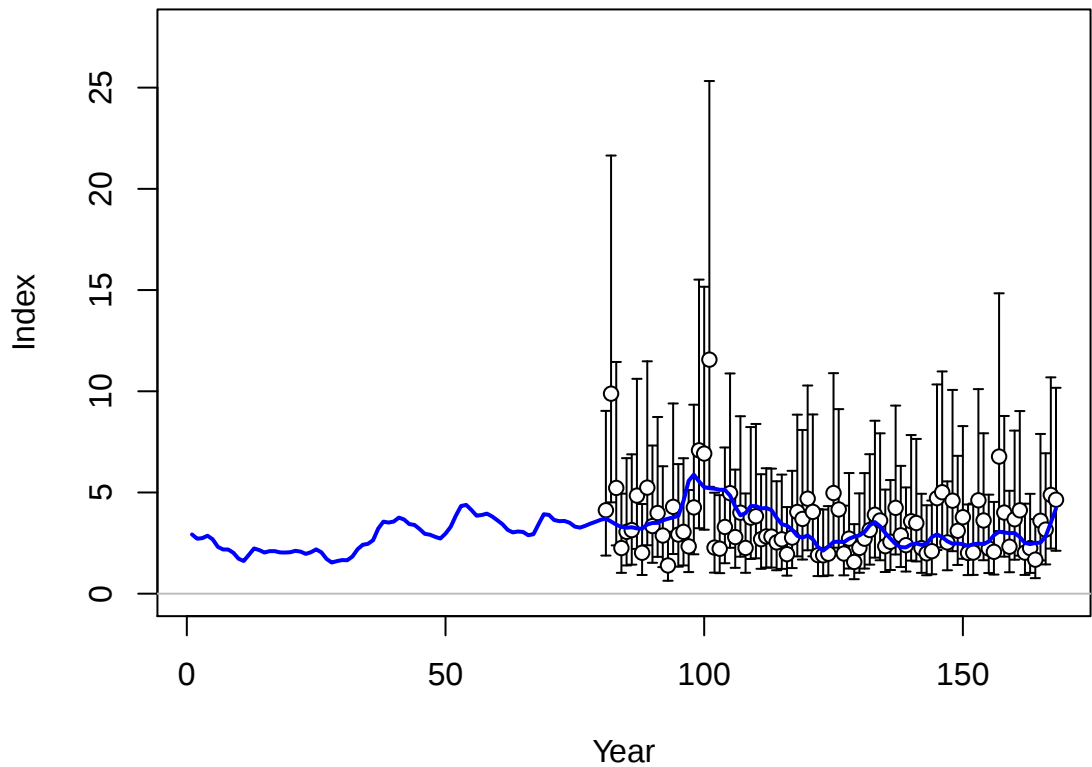
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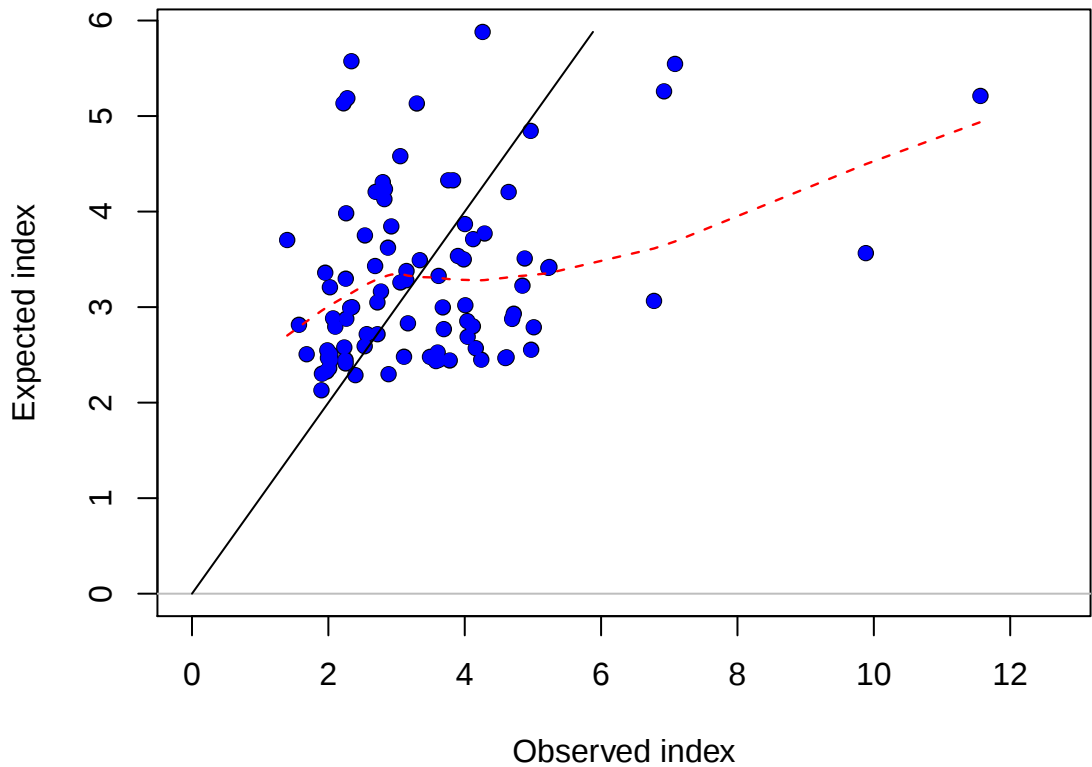
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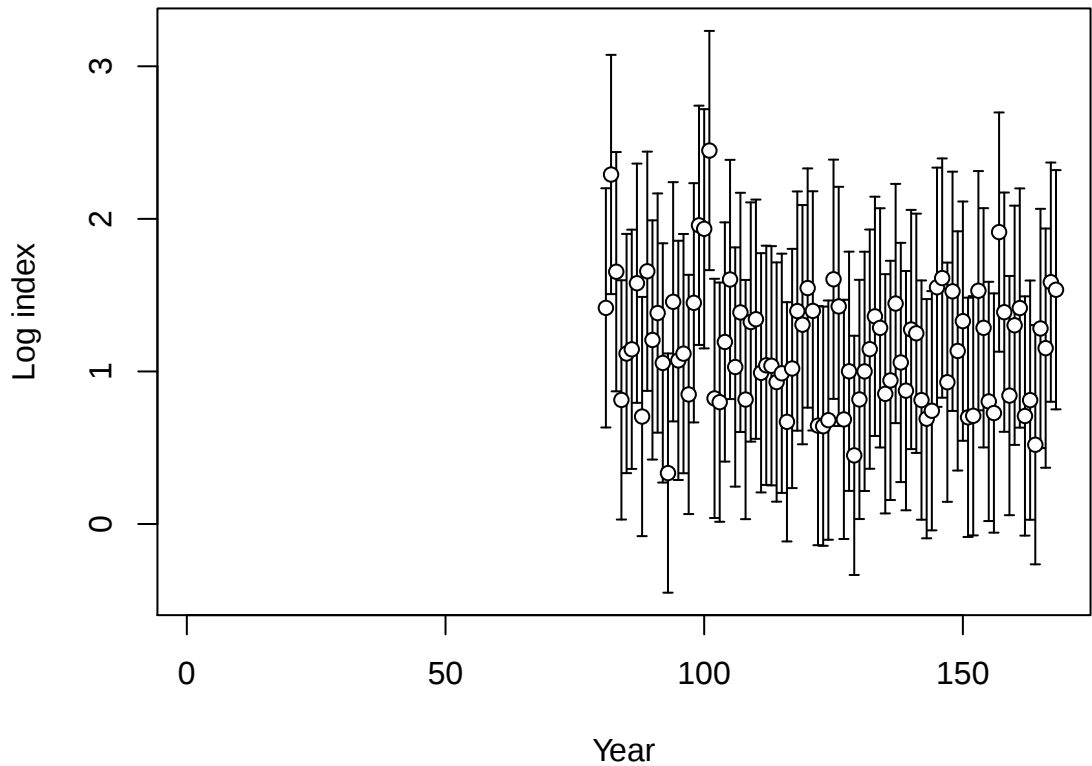
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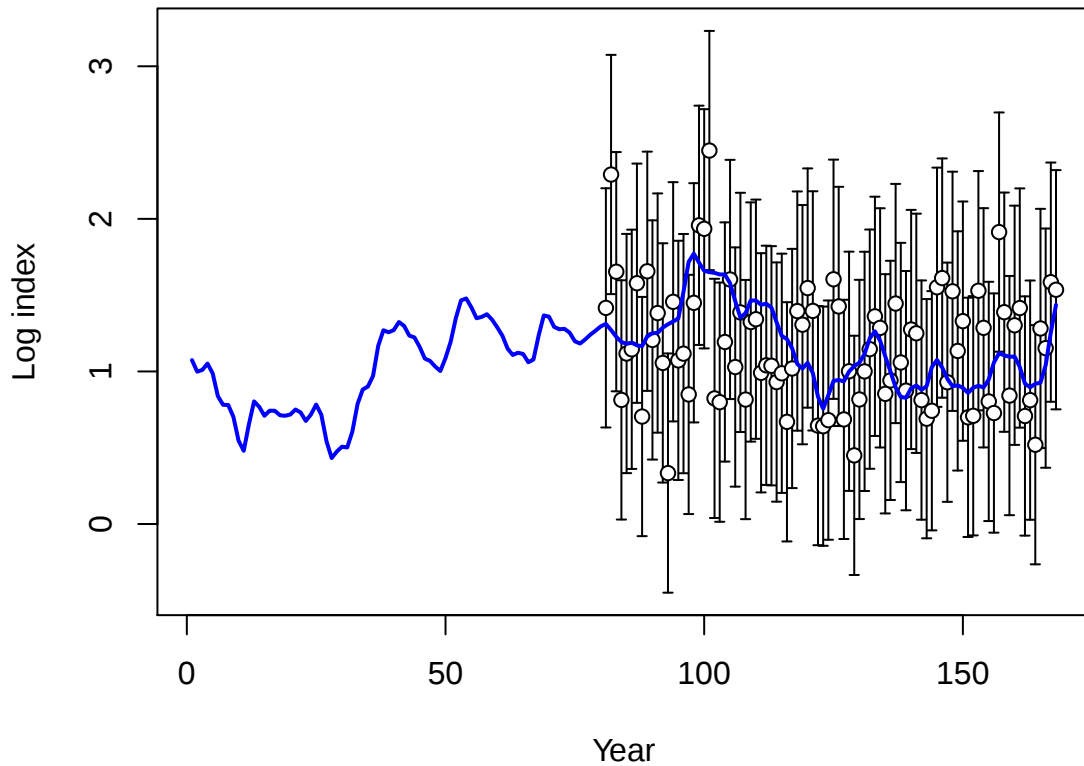
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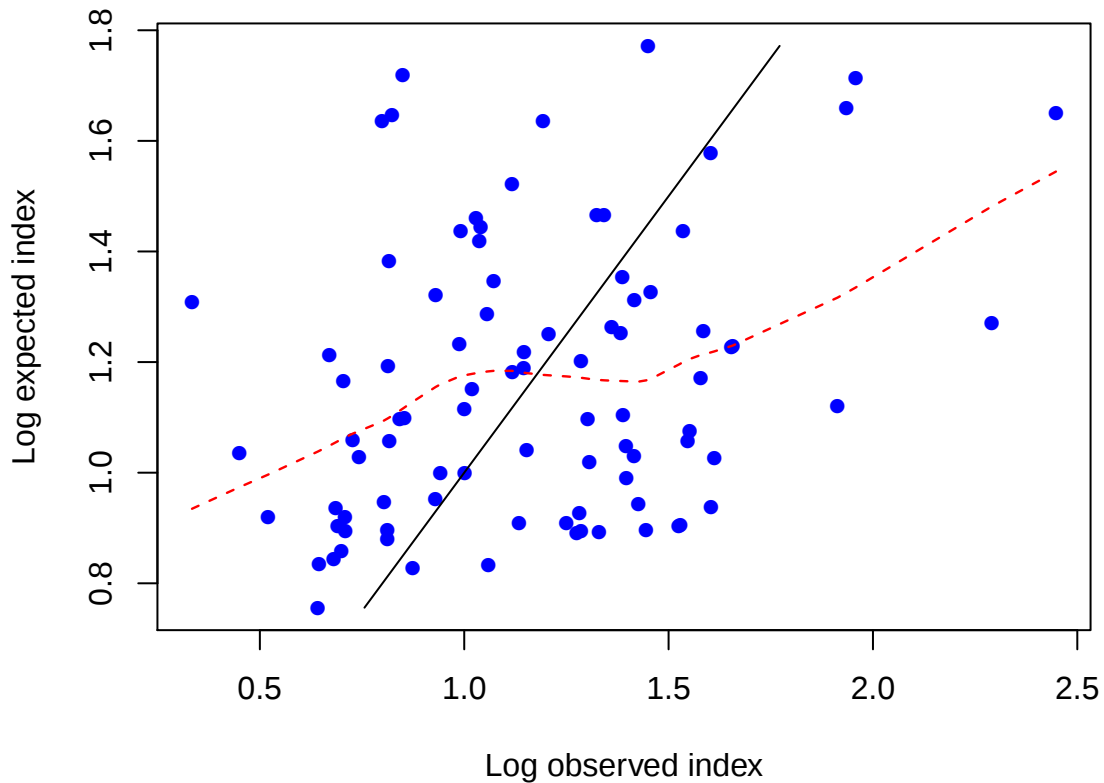
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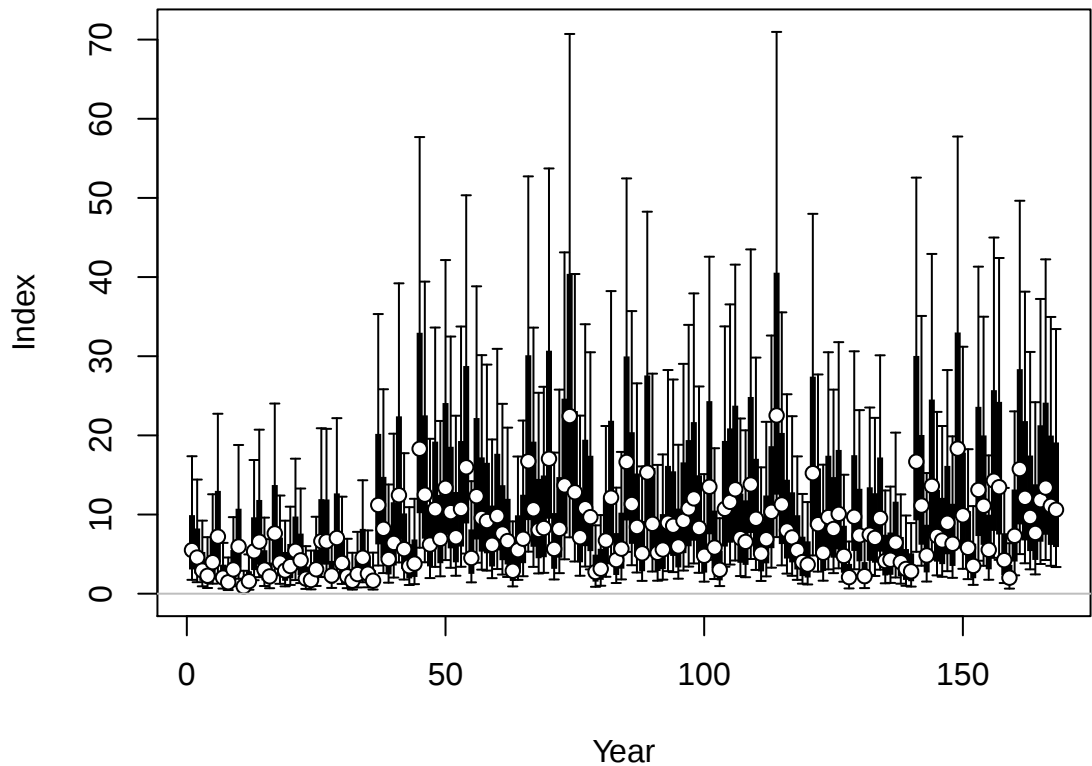
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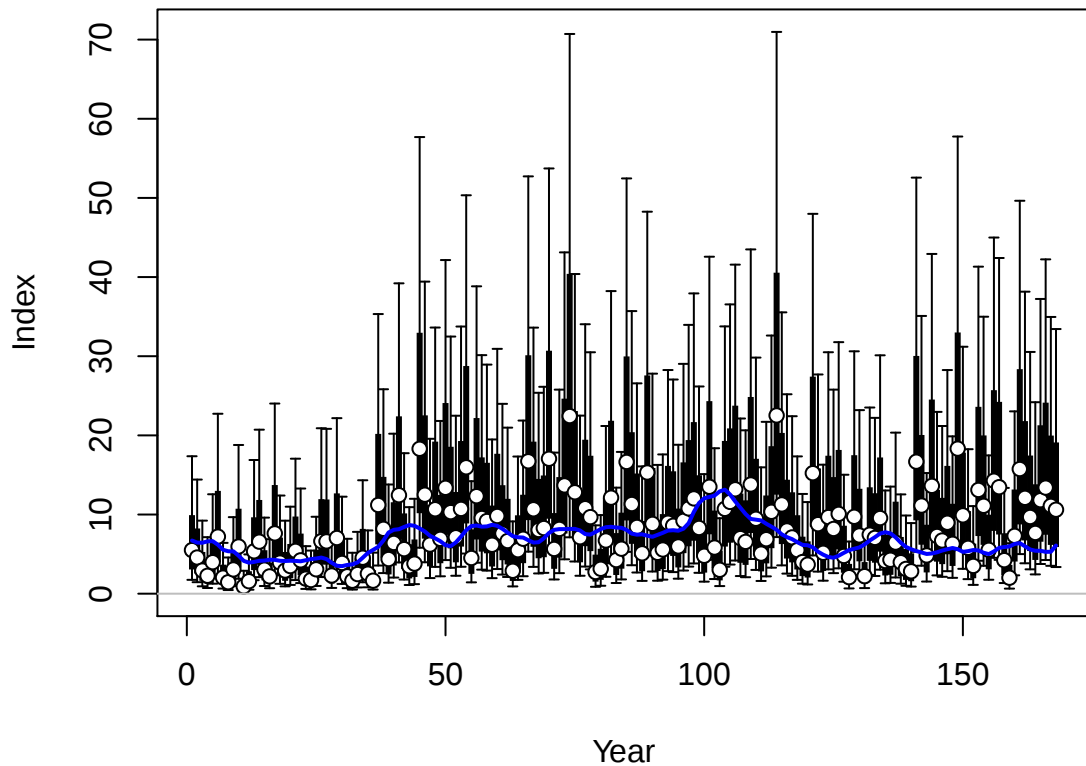
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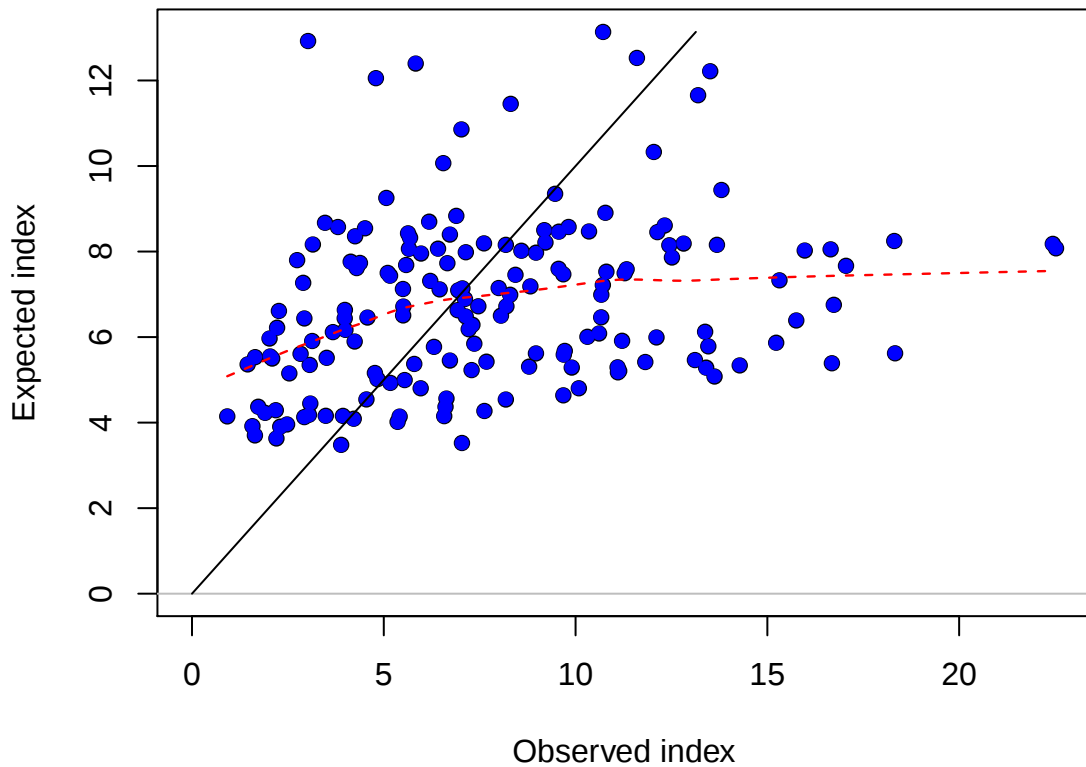
Index F5-NOA_N



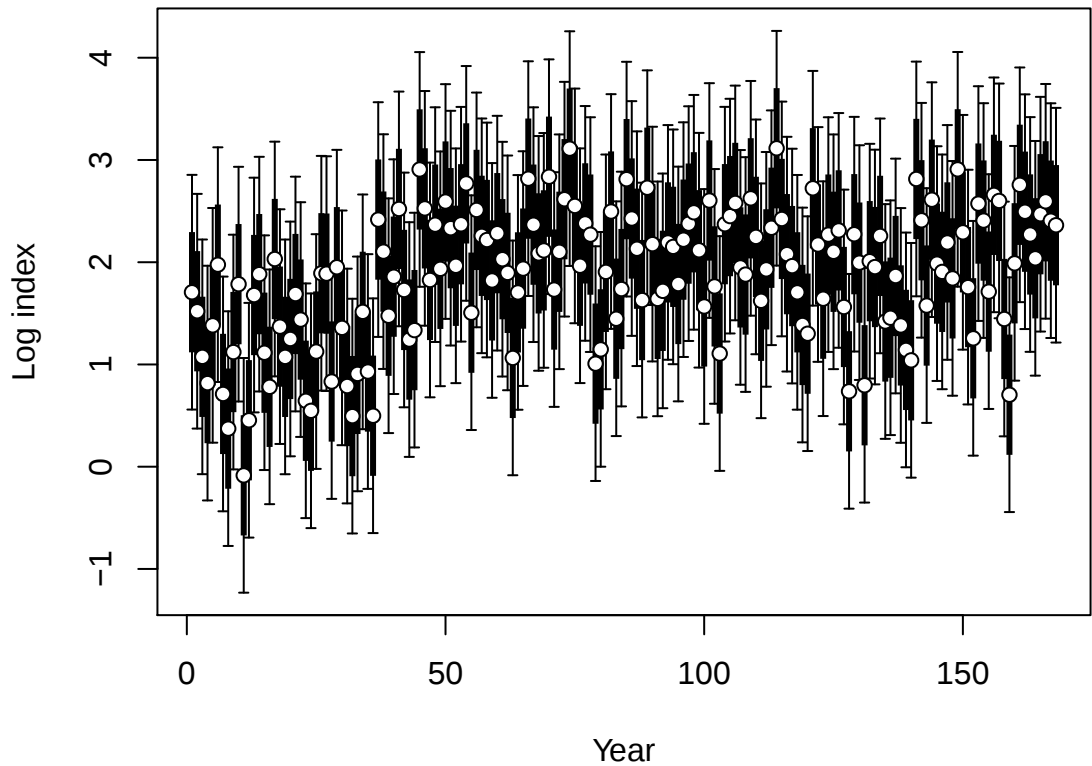
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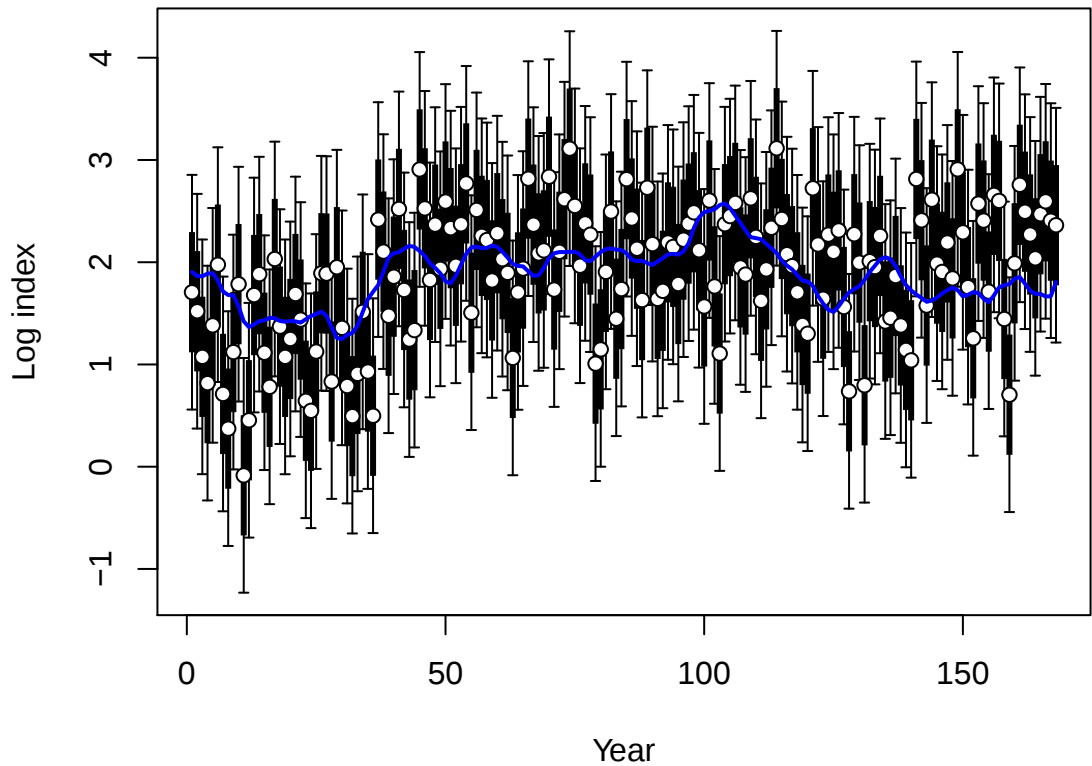
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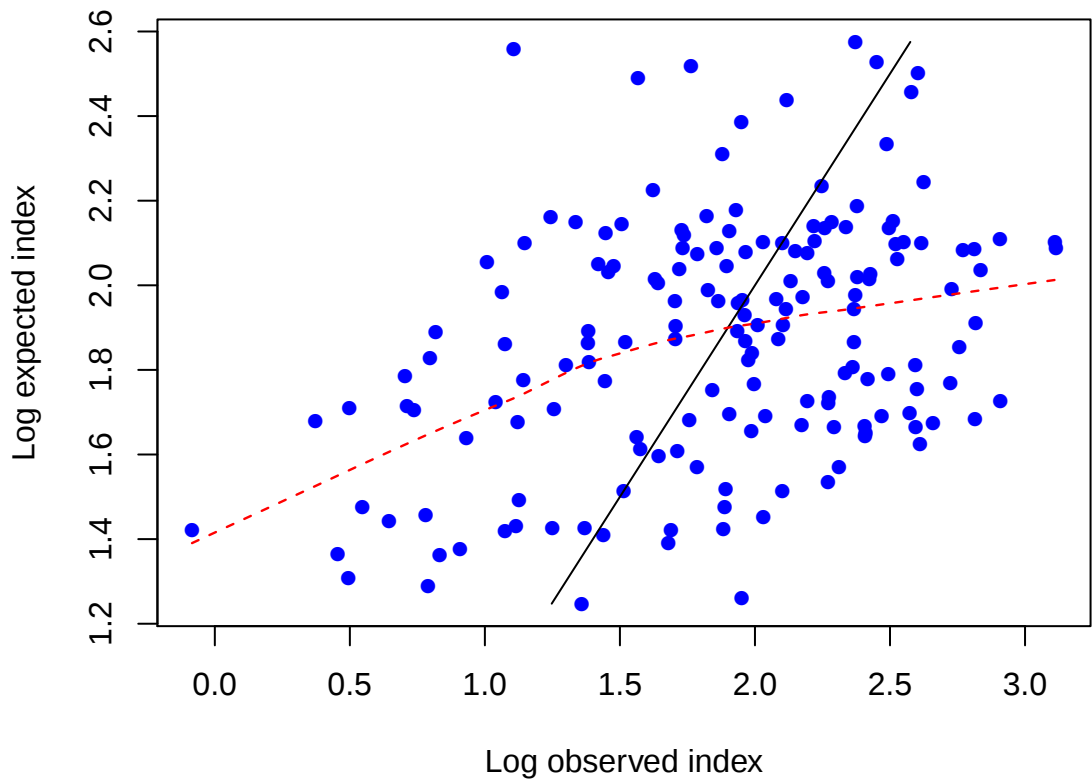
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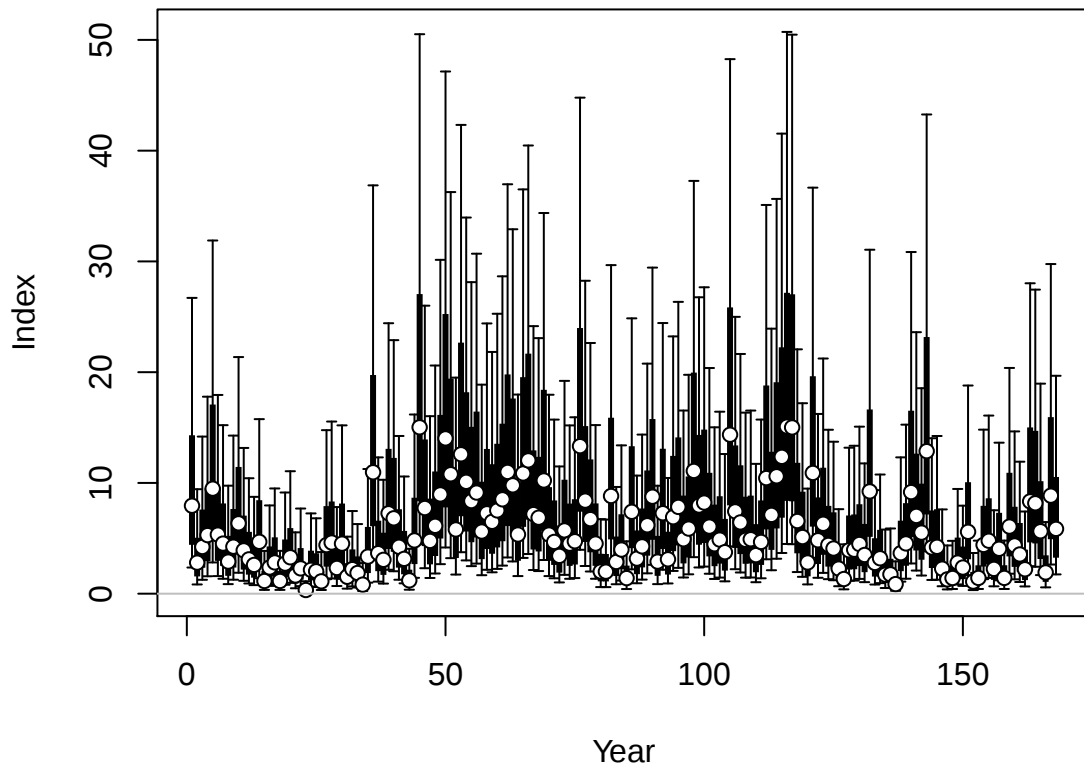
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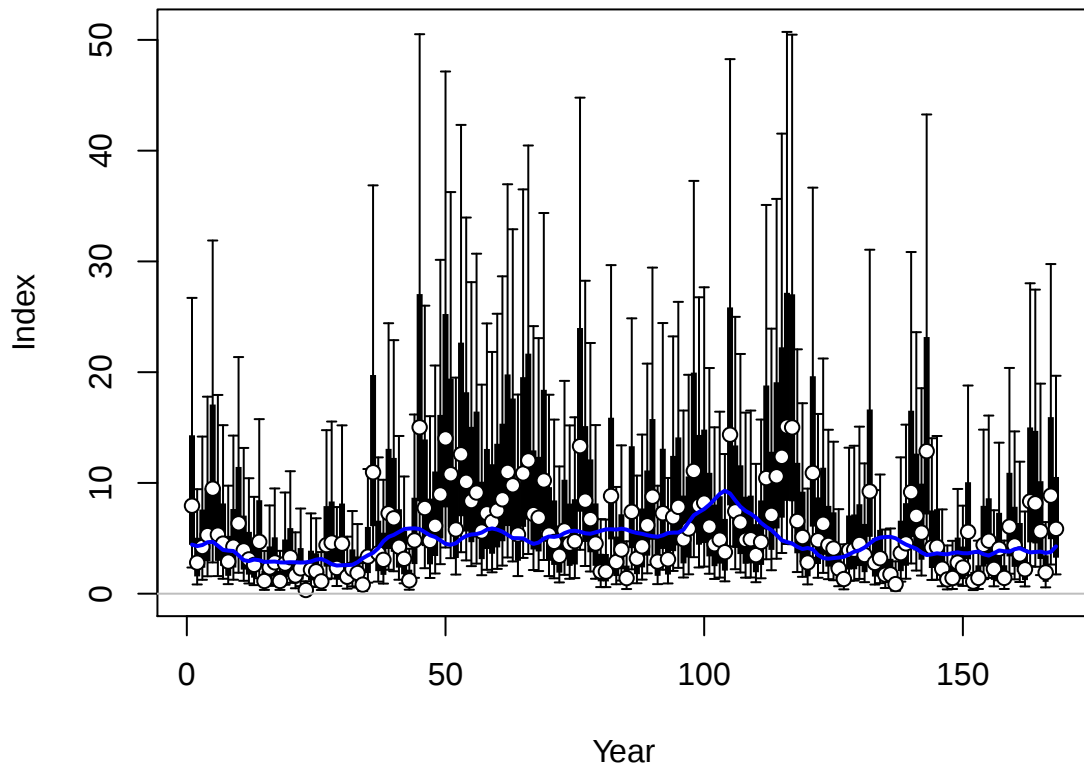
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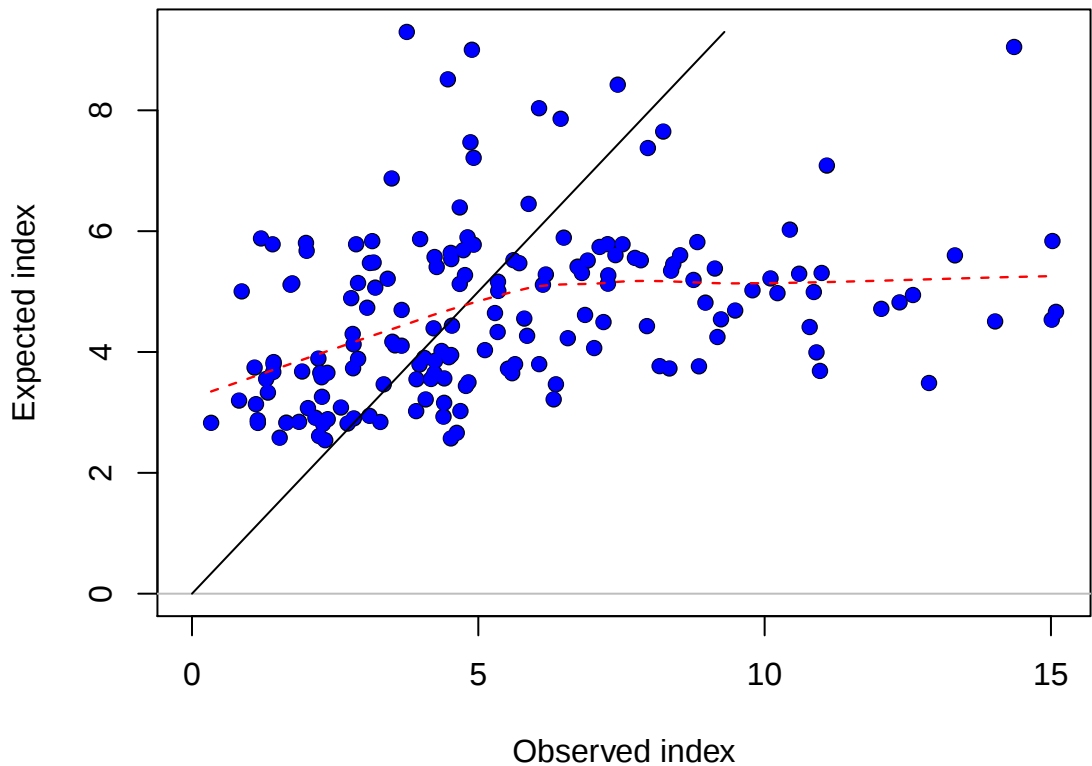
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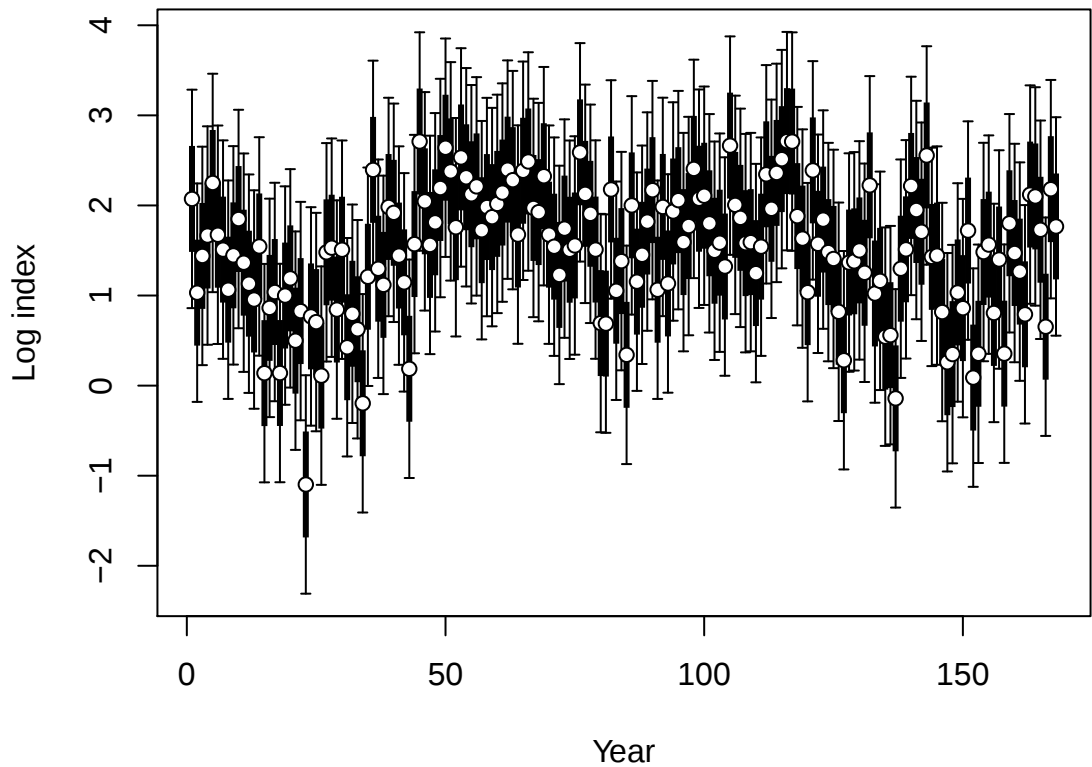
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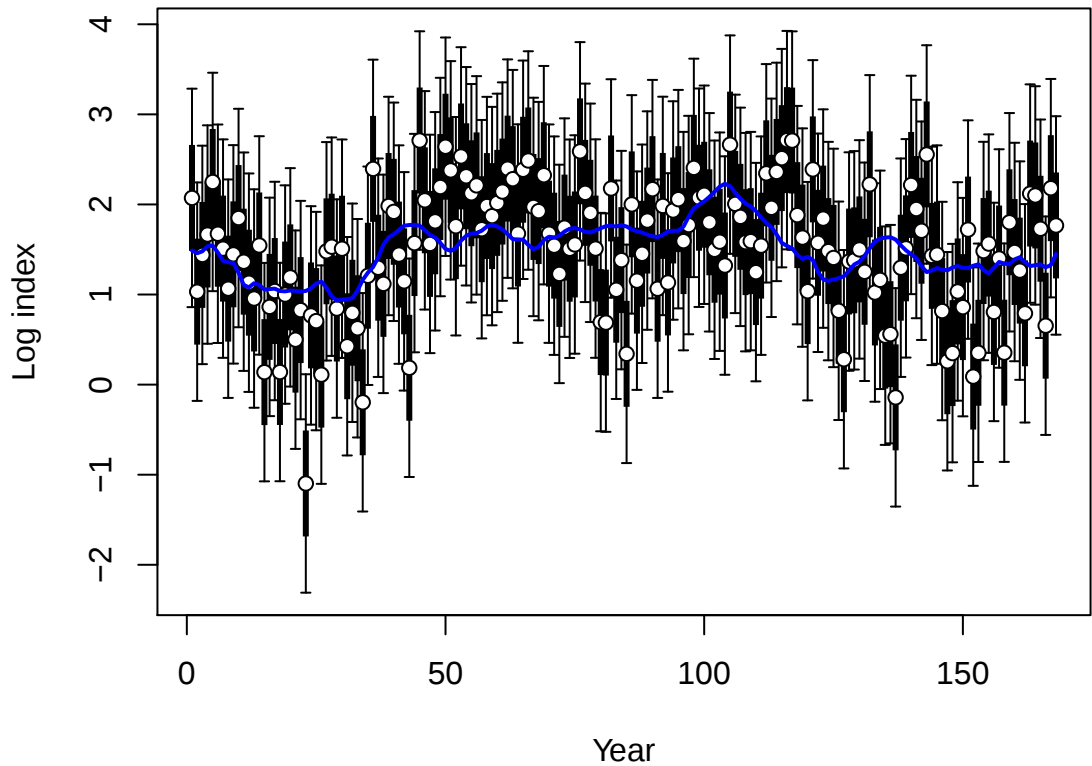
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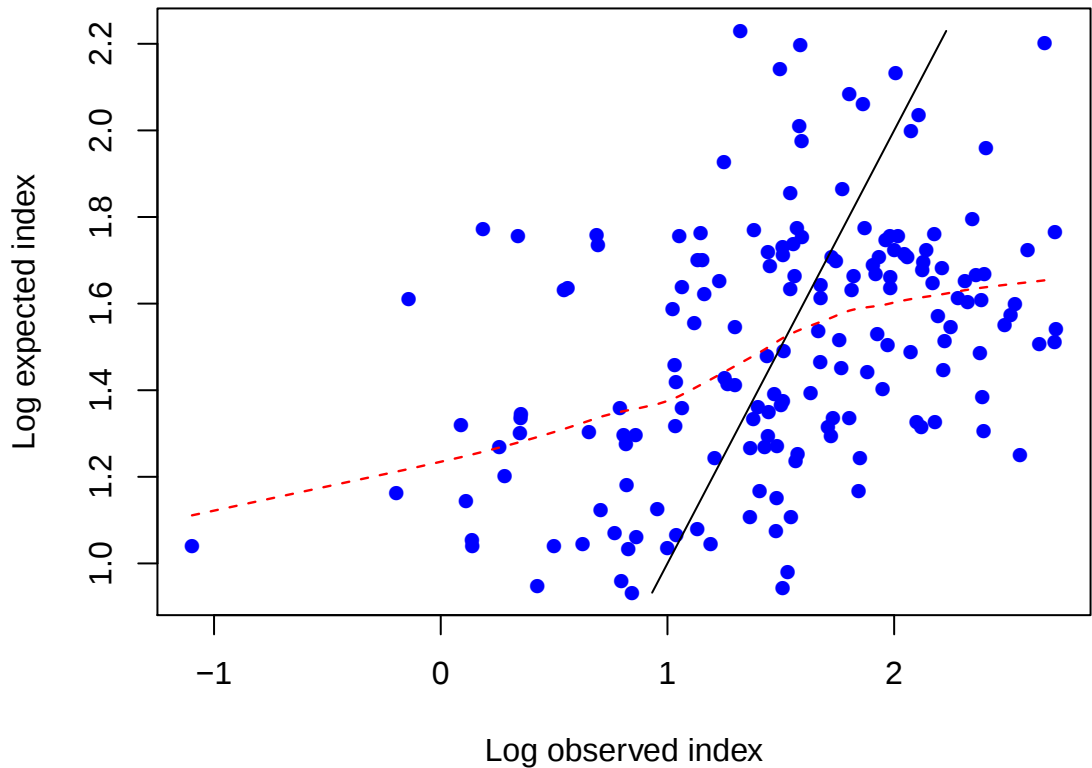
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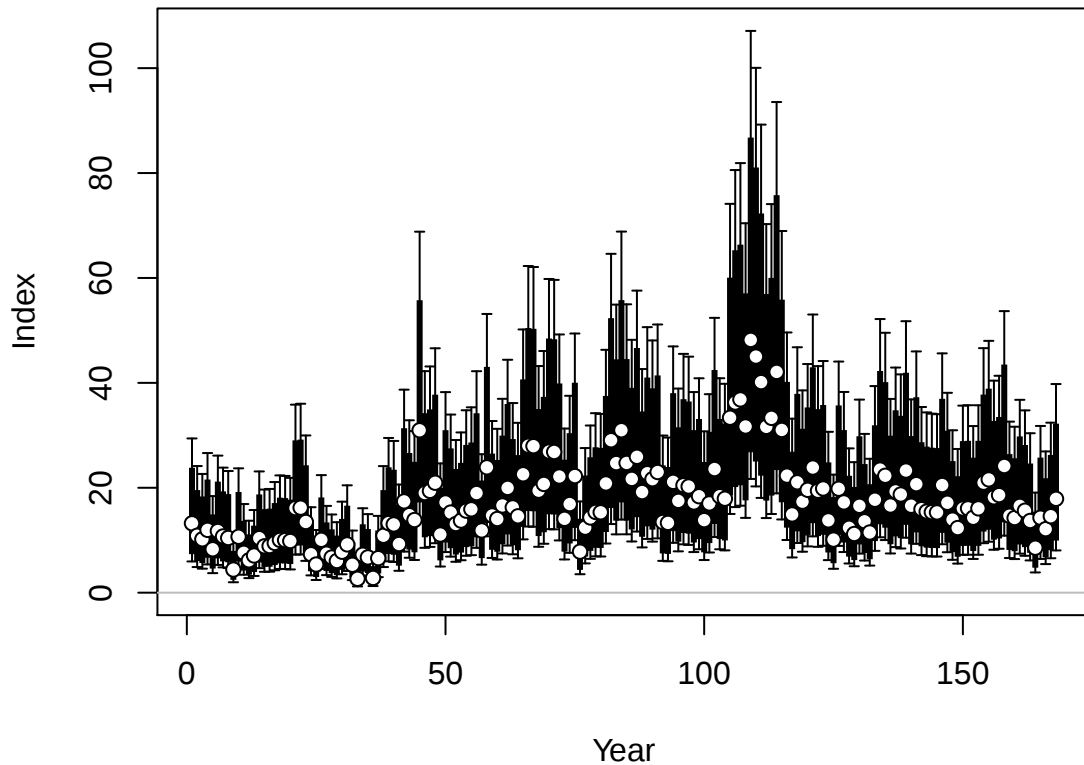
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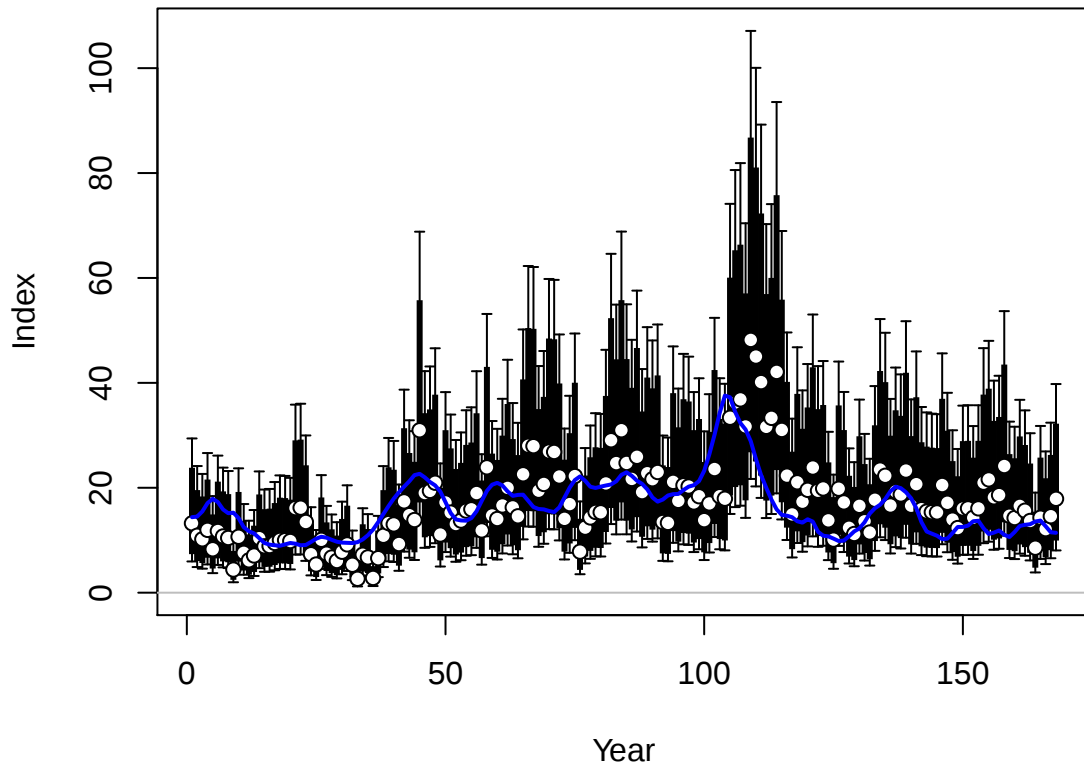
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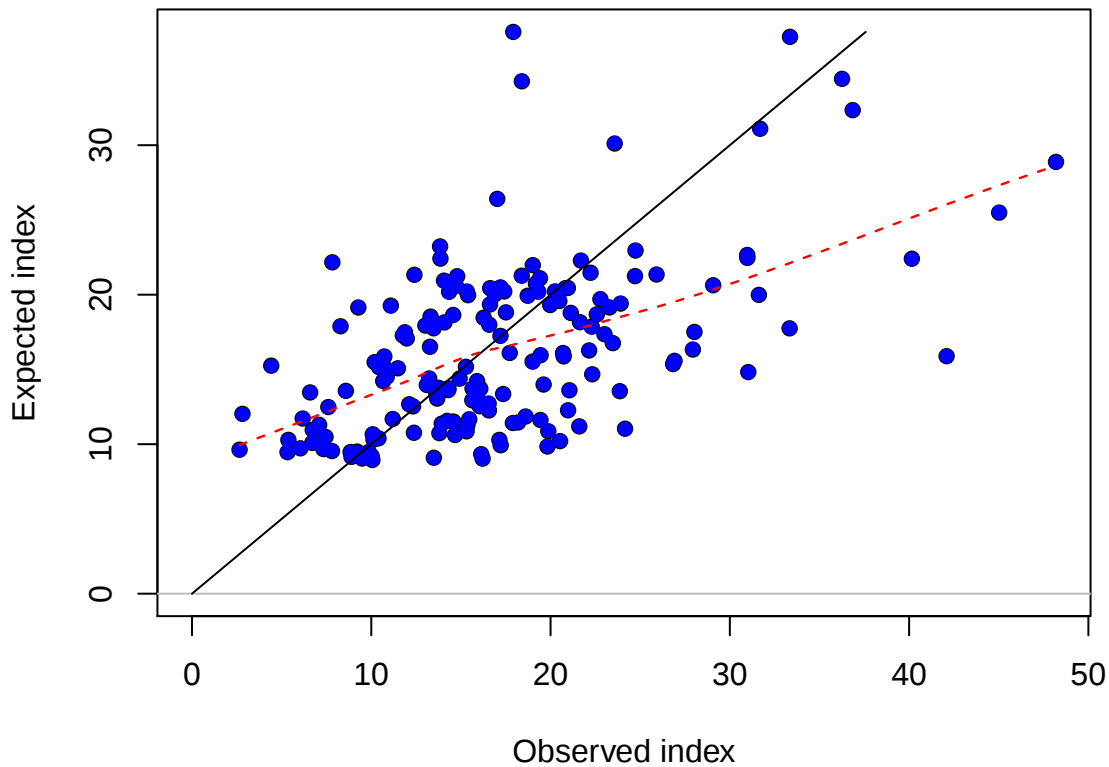
Index F7-DEL_N



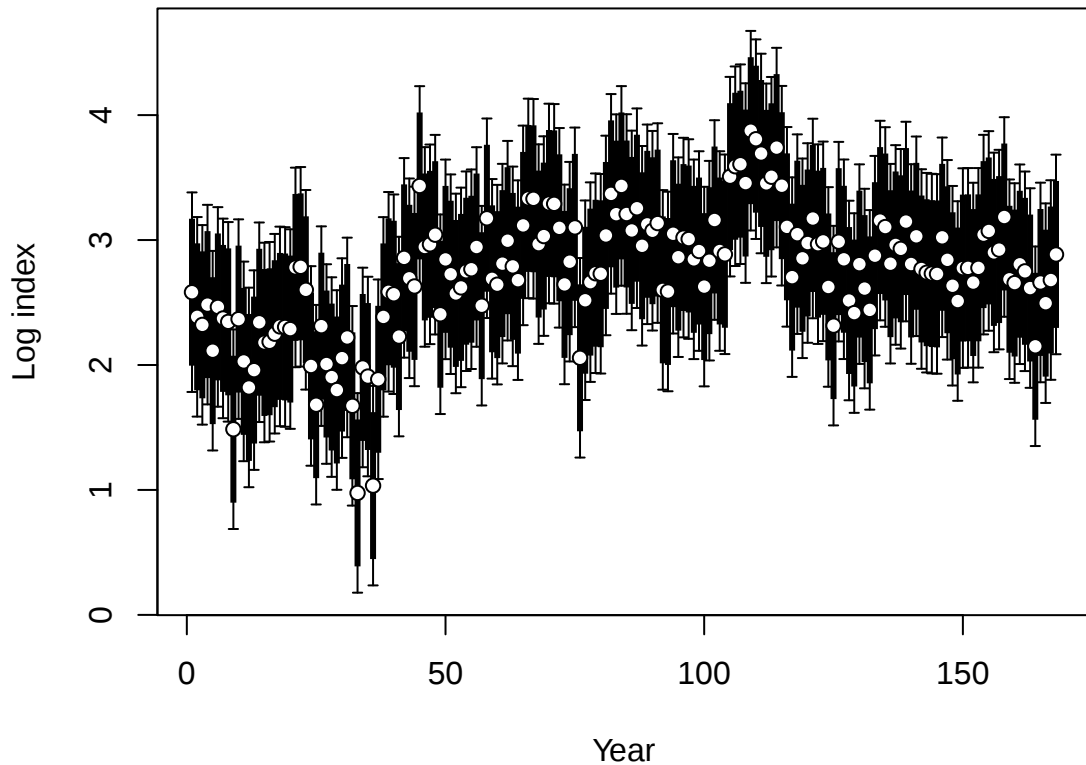
Index F7-DEL_N



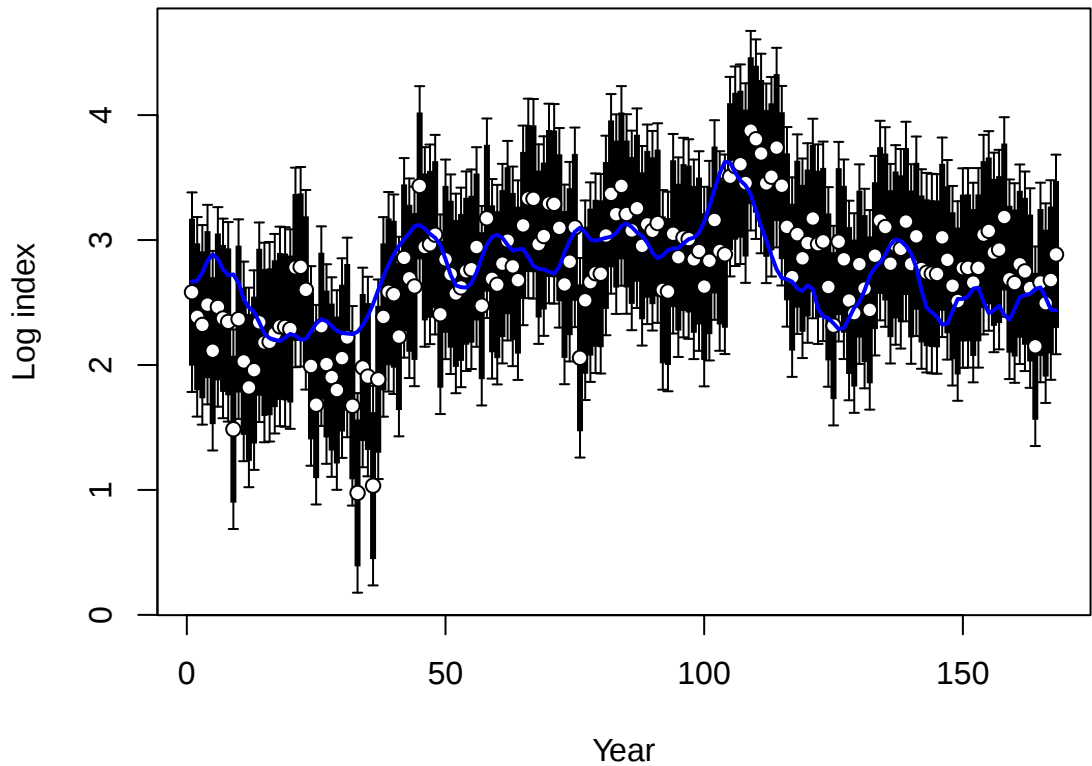
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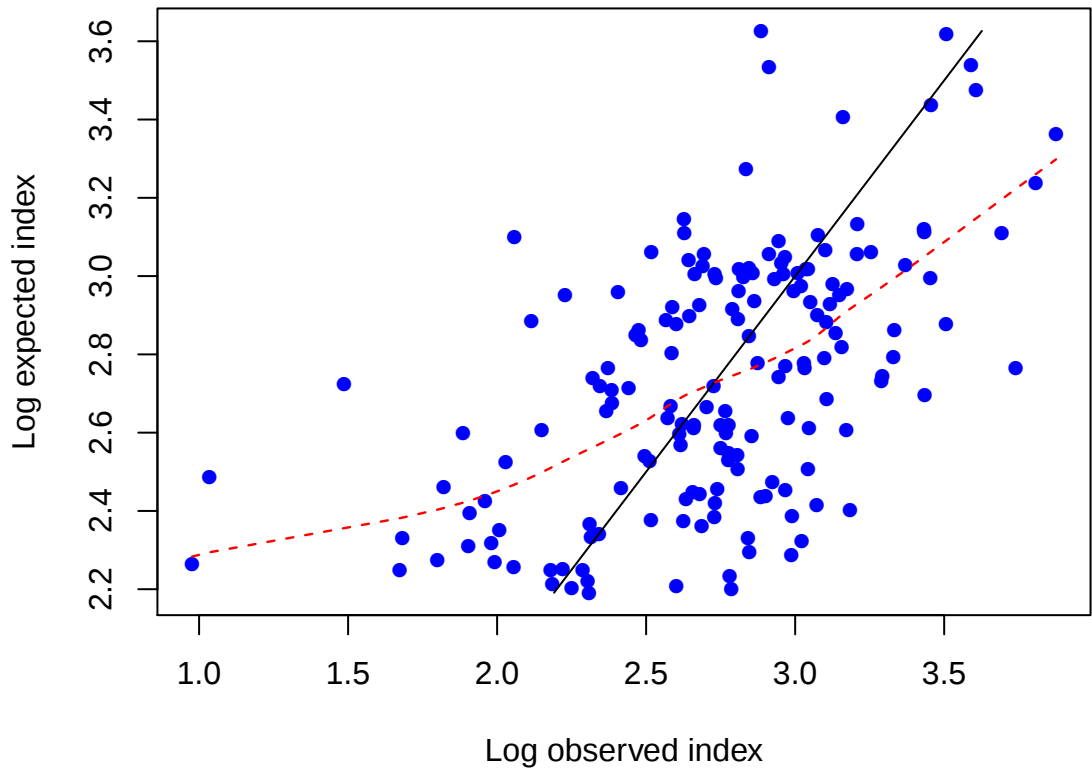
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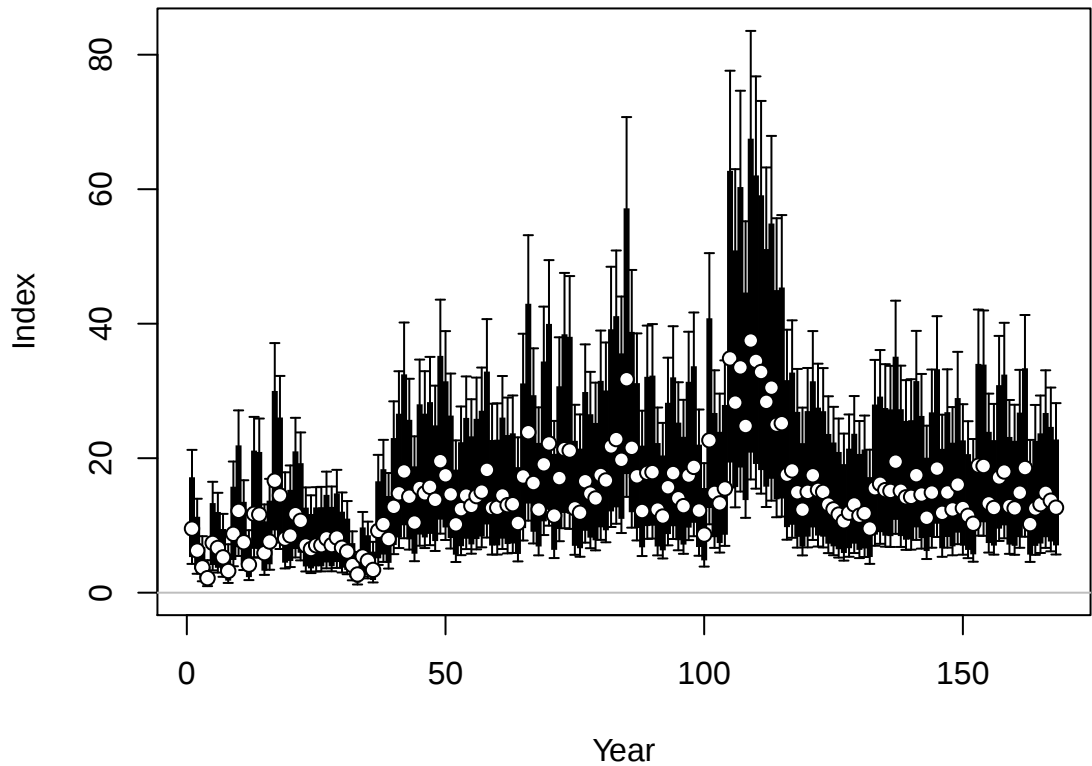
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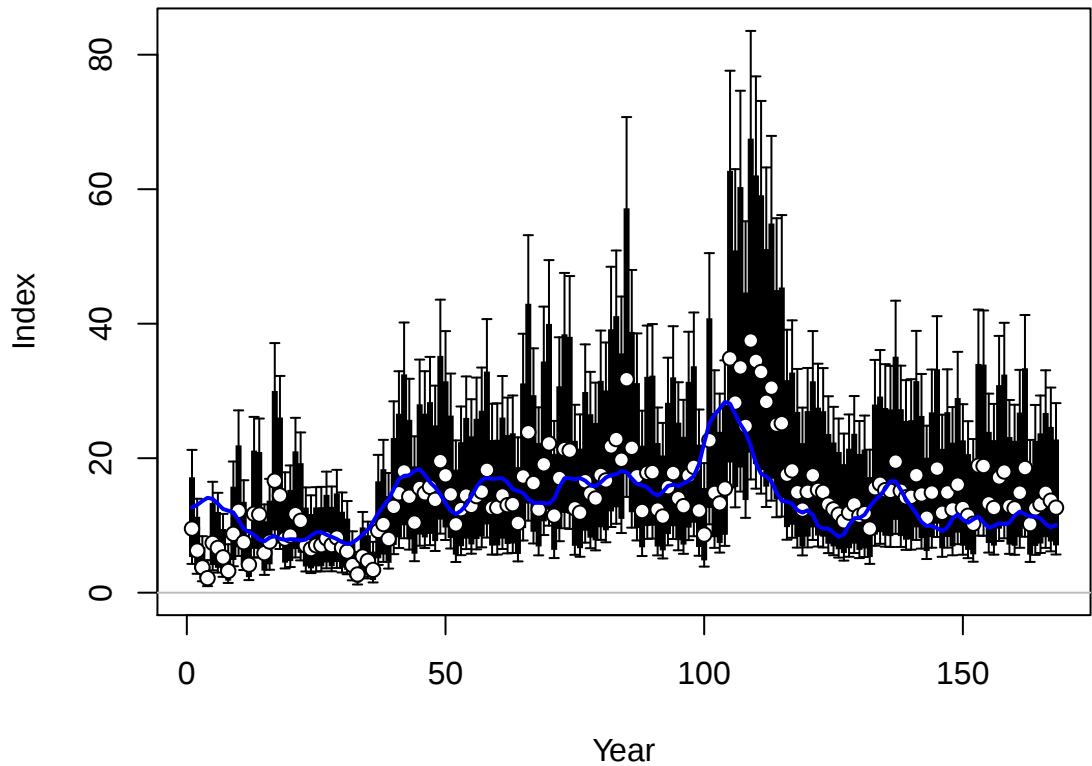
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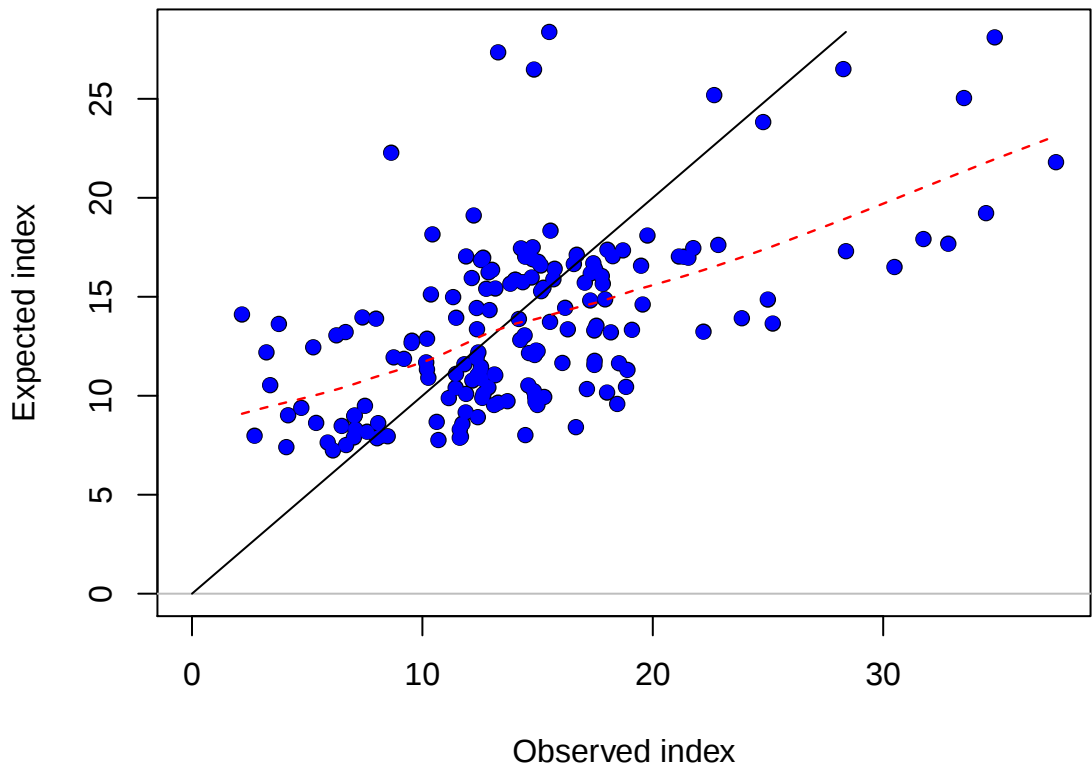
Index F8-DEL_I



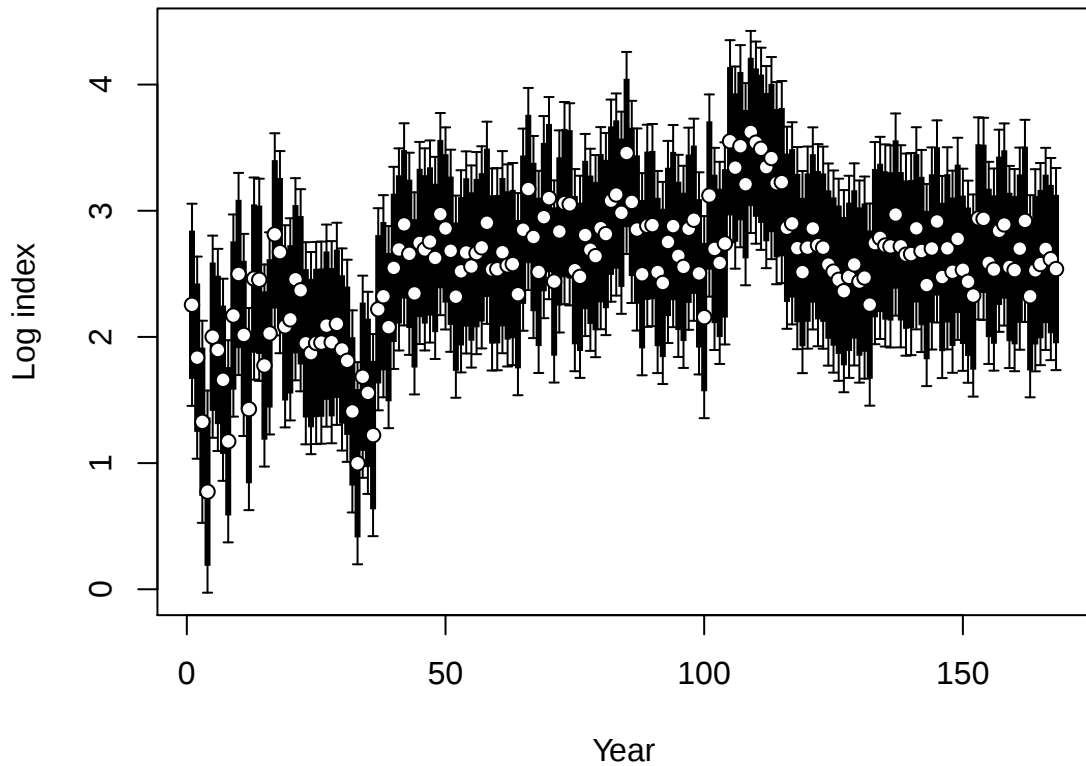
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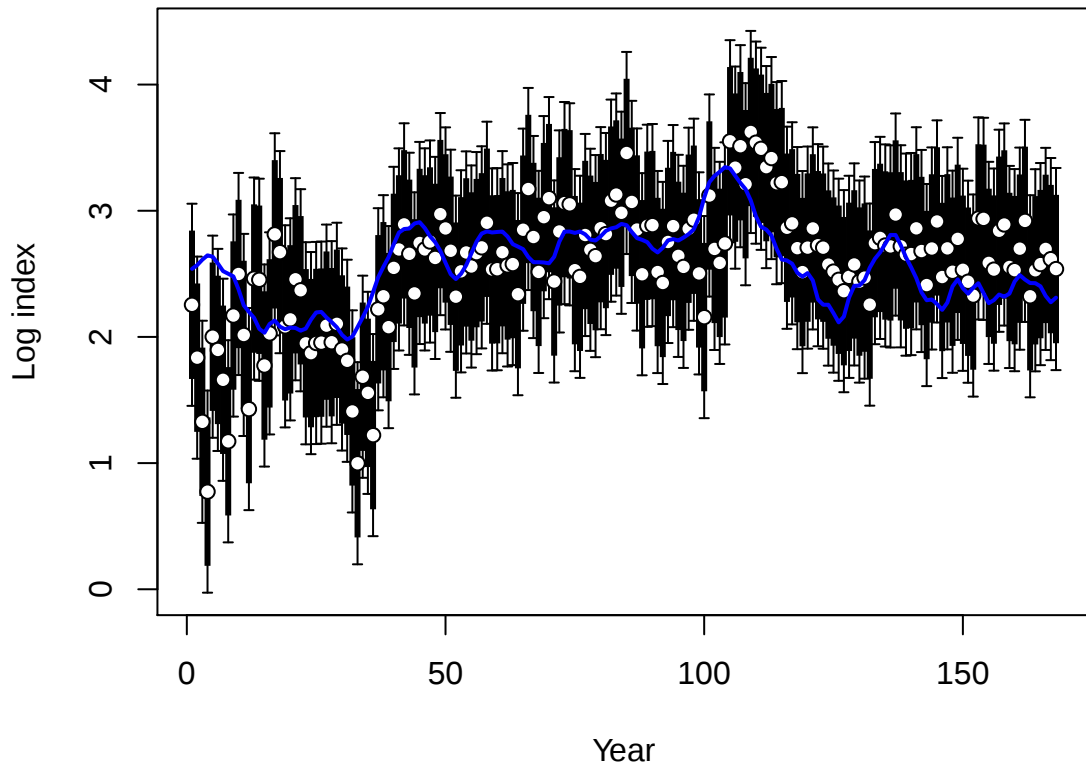
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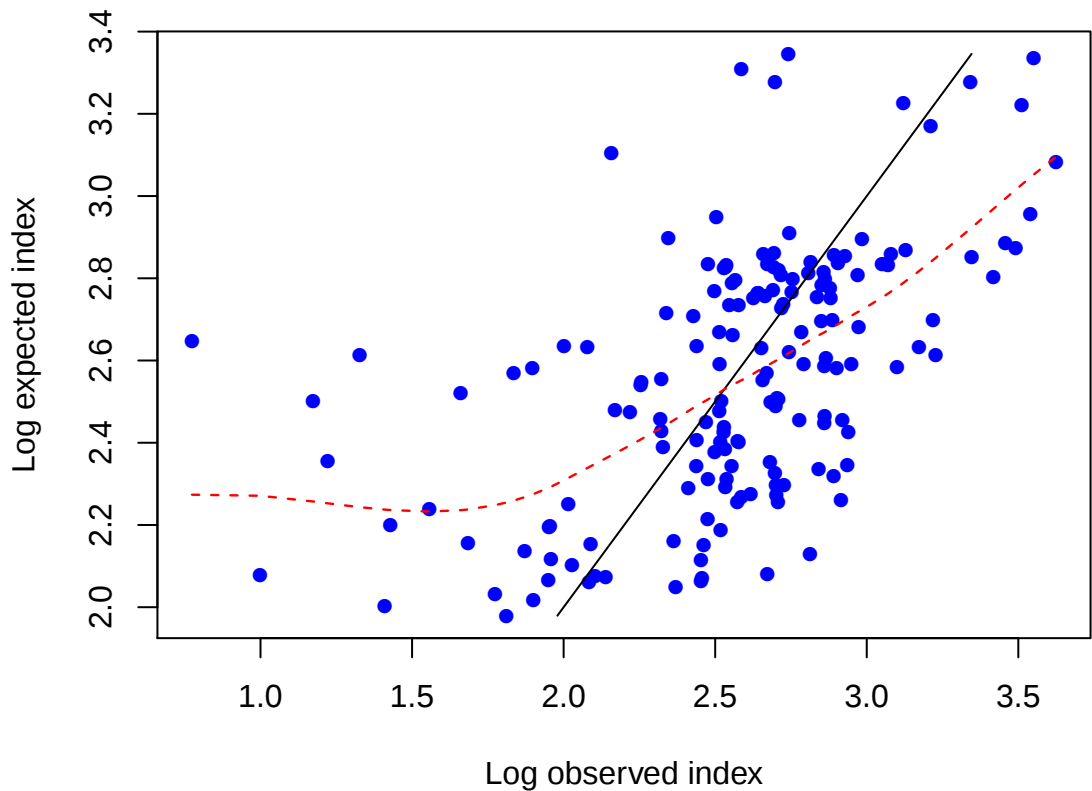
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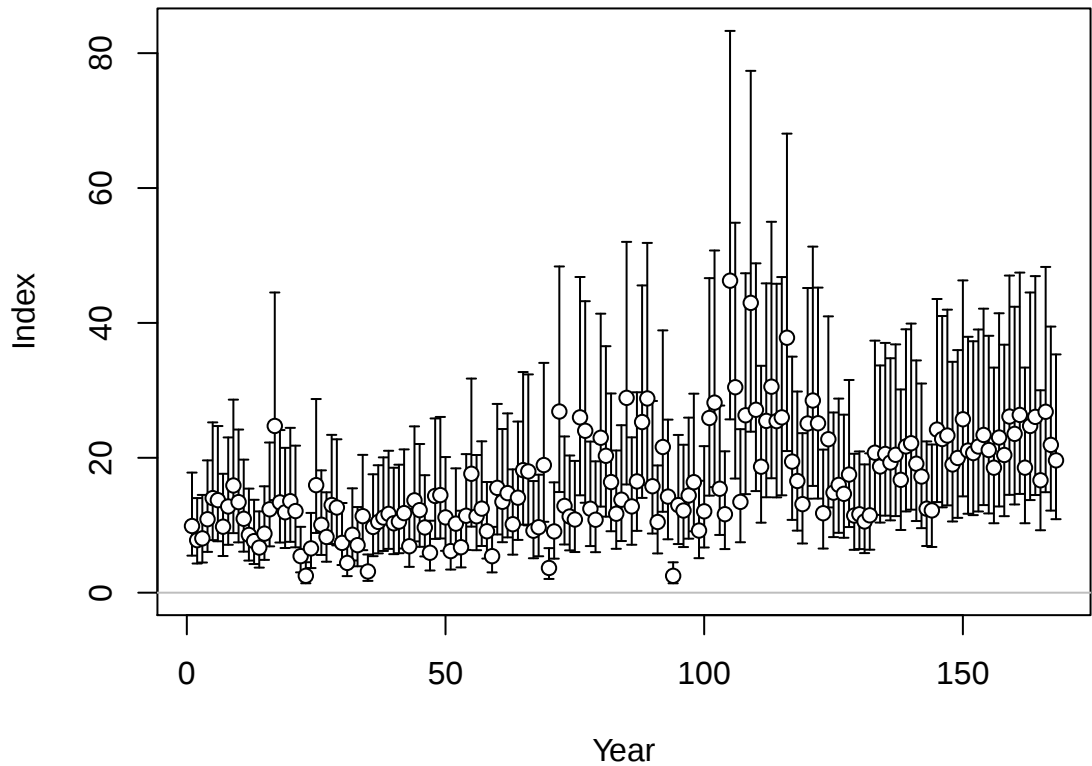
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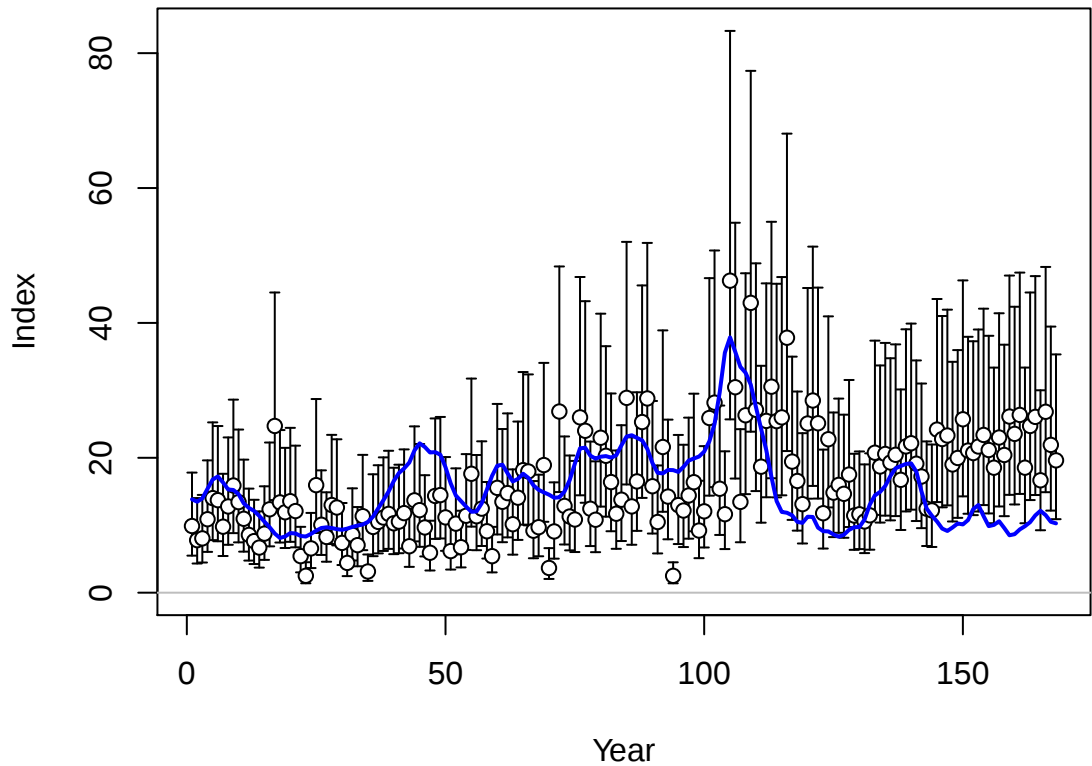
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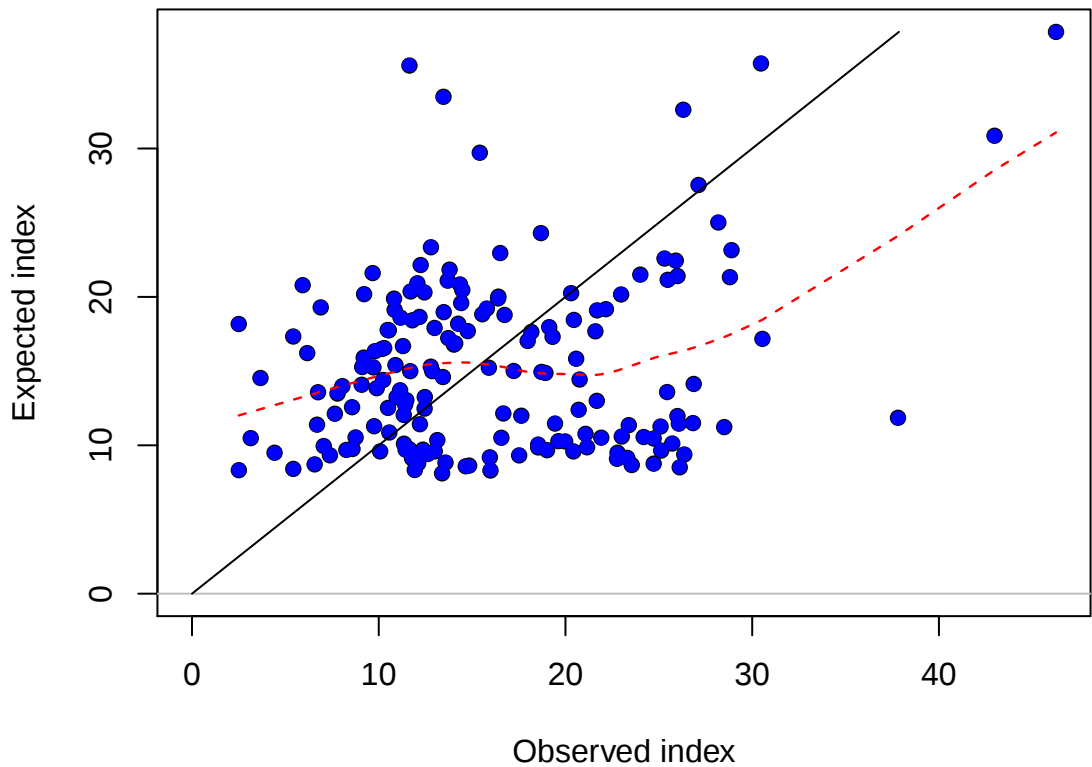
Index F9-DEL_S



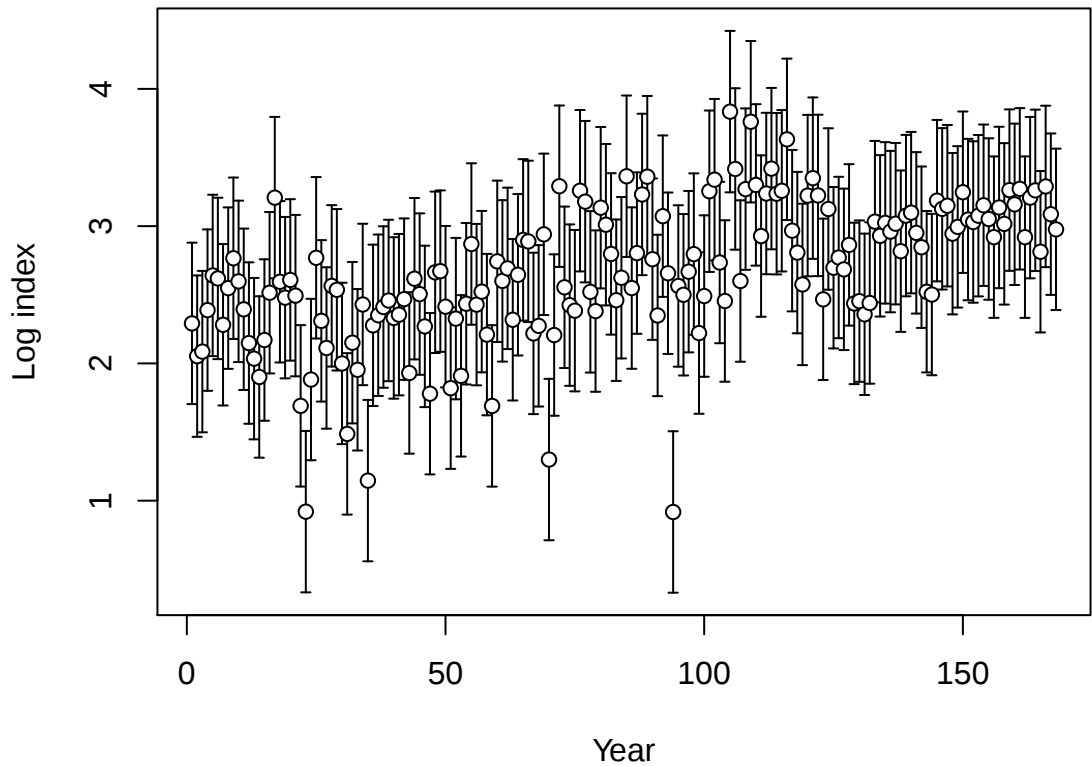
Index F9-DEL_S



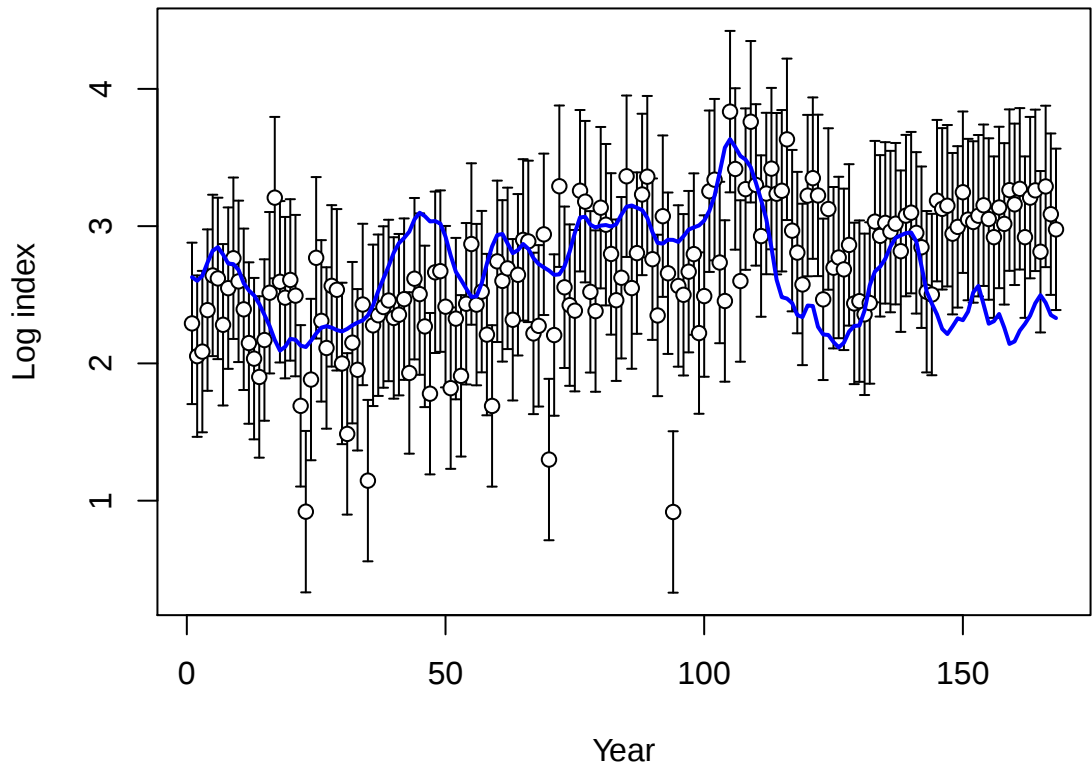
Index F9-DEL_S



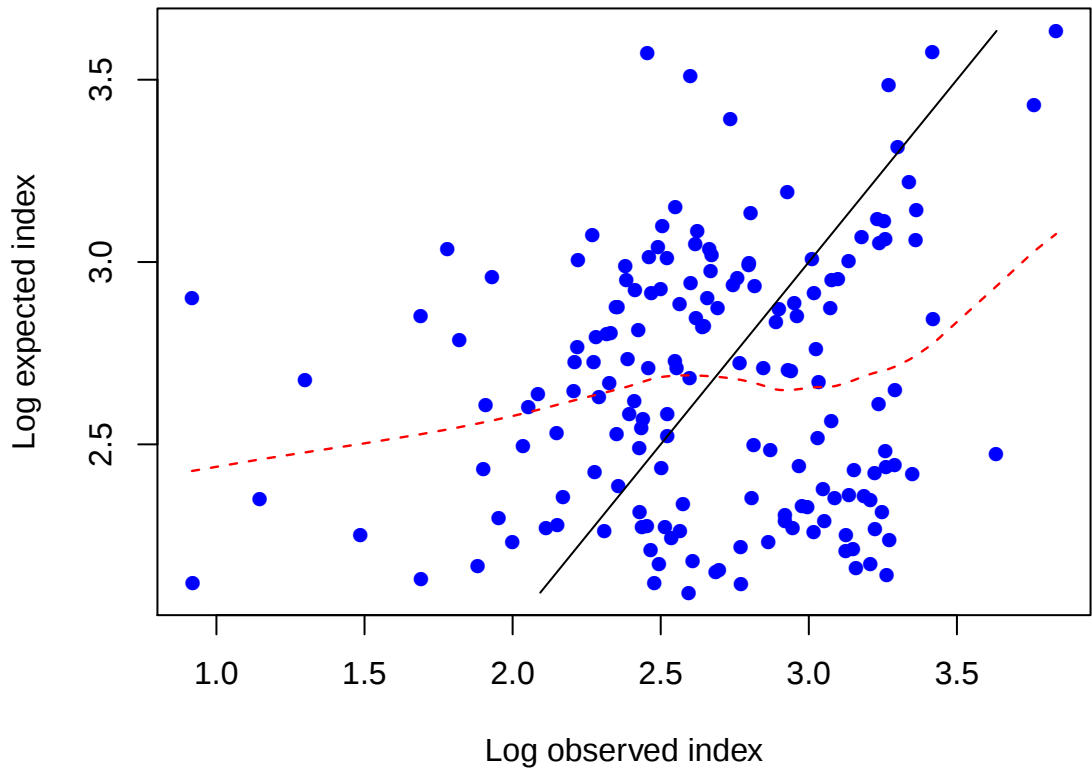
Log index F9-DEL_S



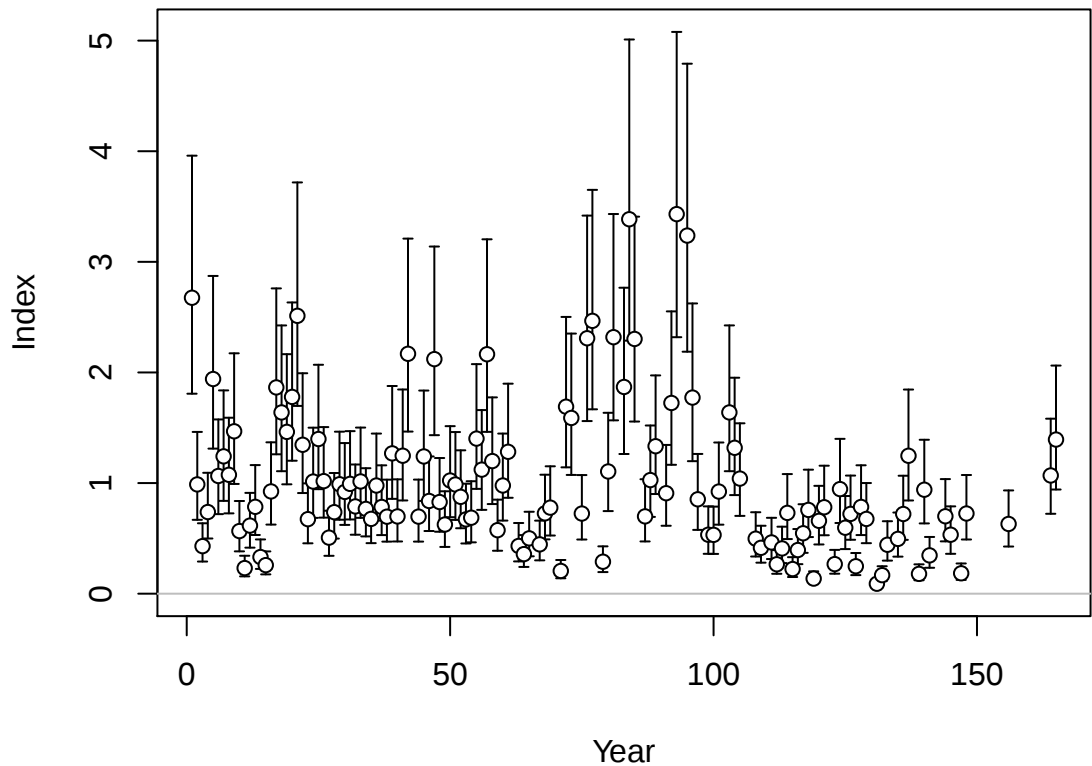
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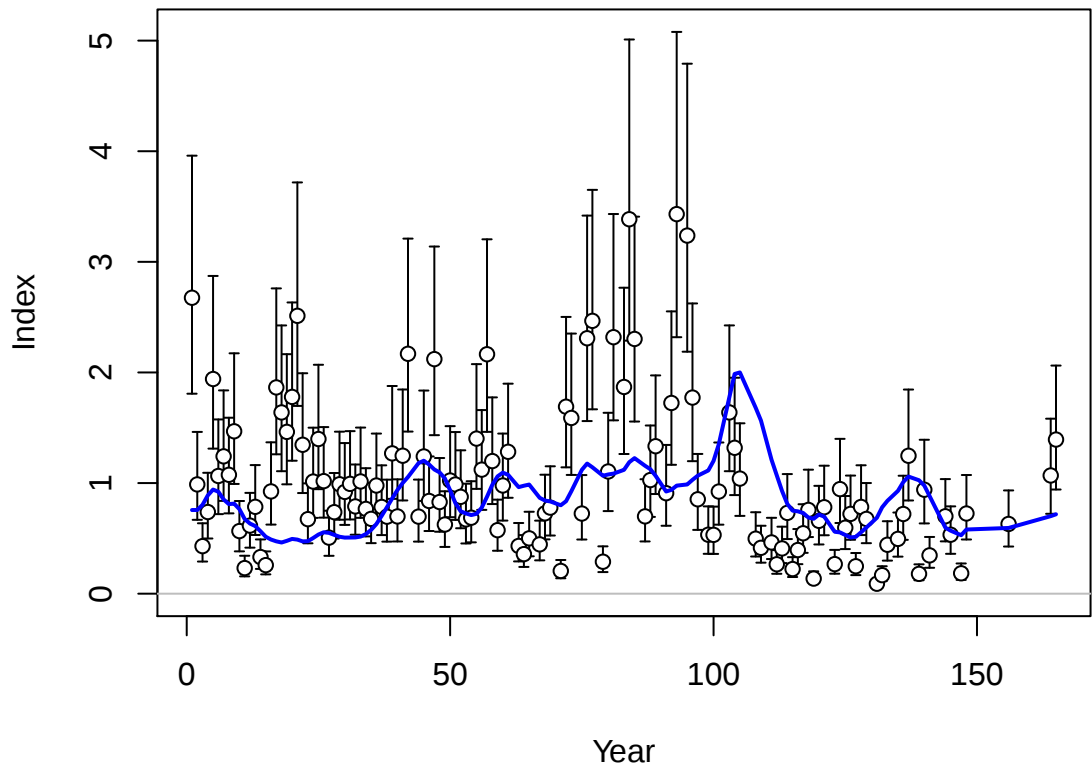
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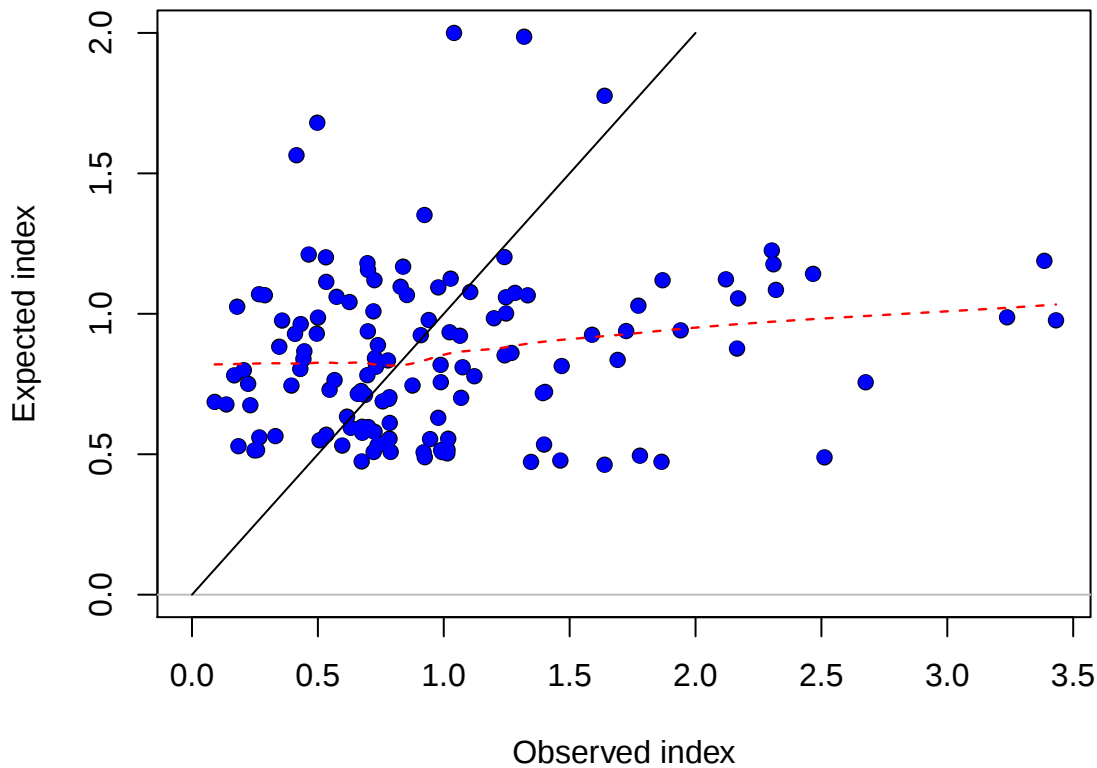
Index F11-LL_N



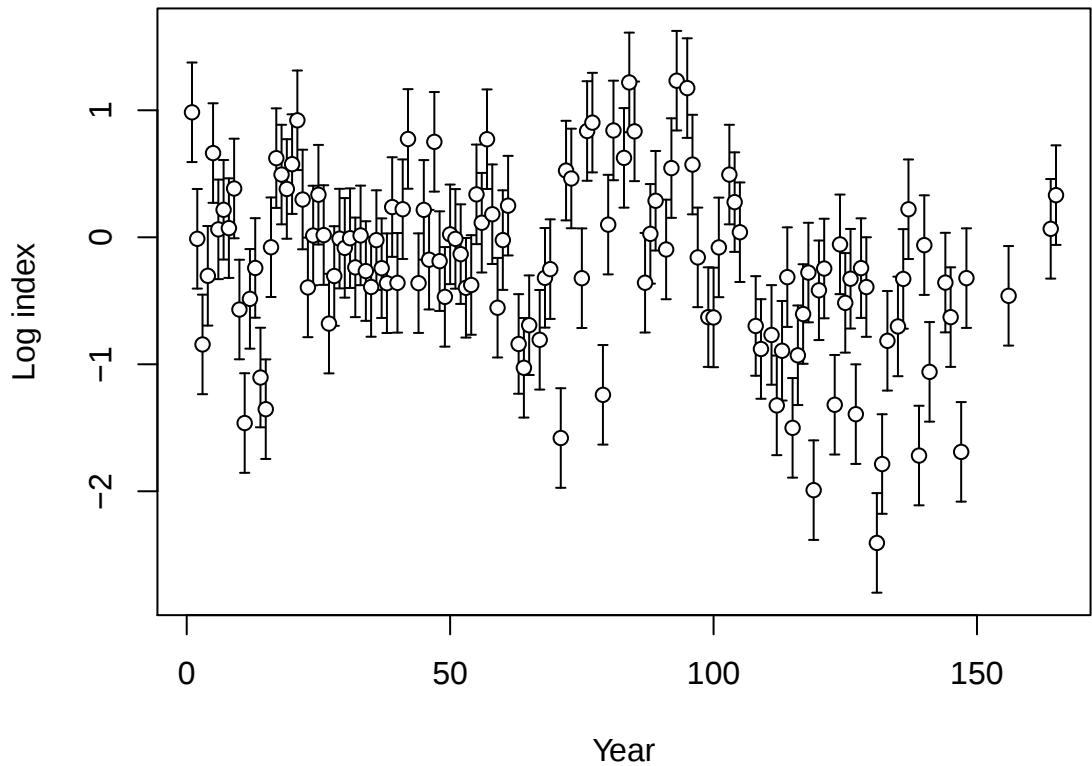
Index F11-LL_N



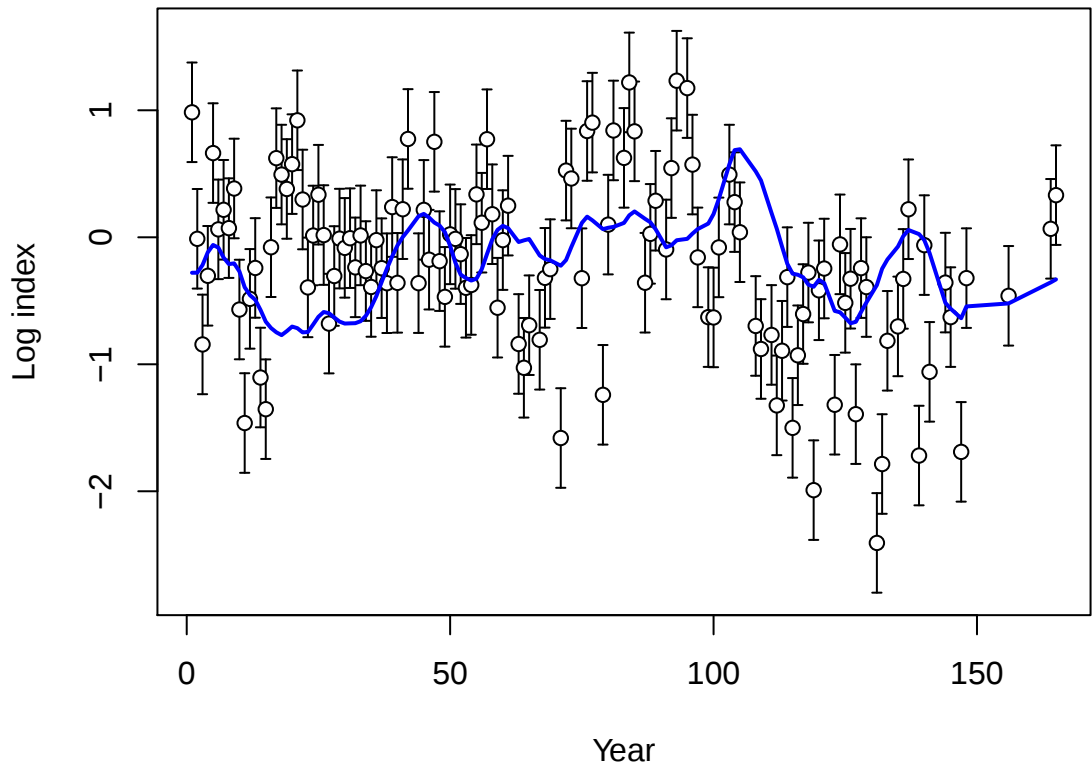
Index F11-LL_N



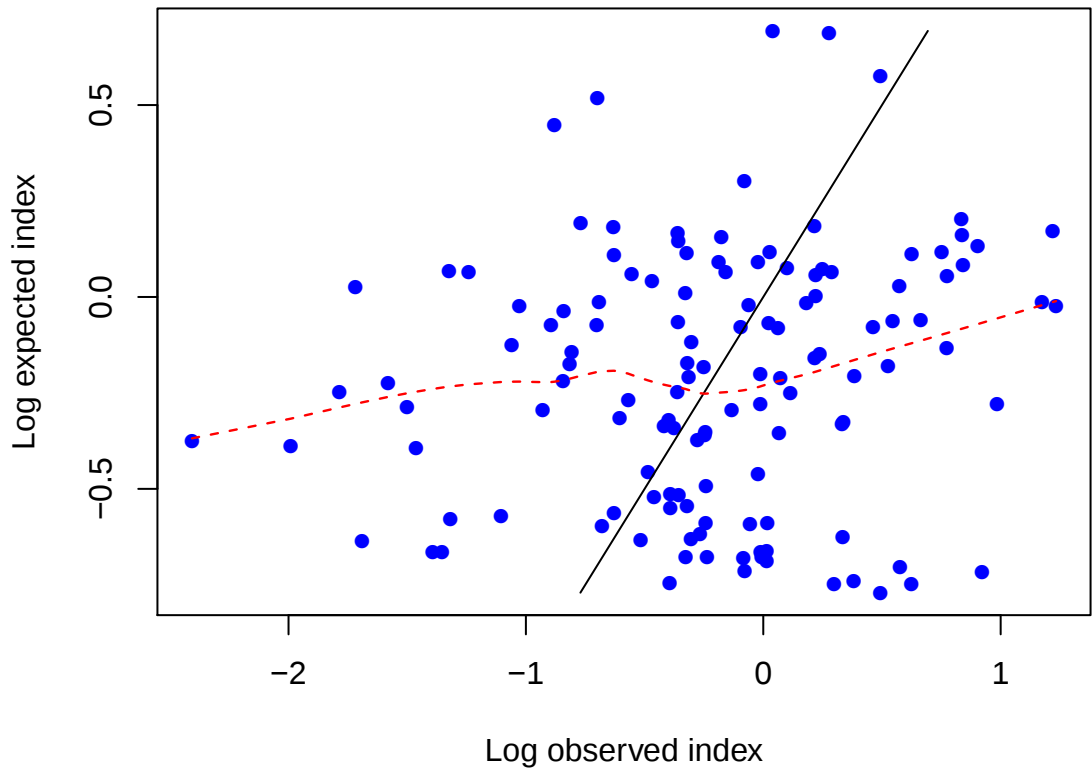
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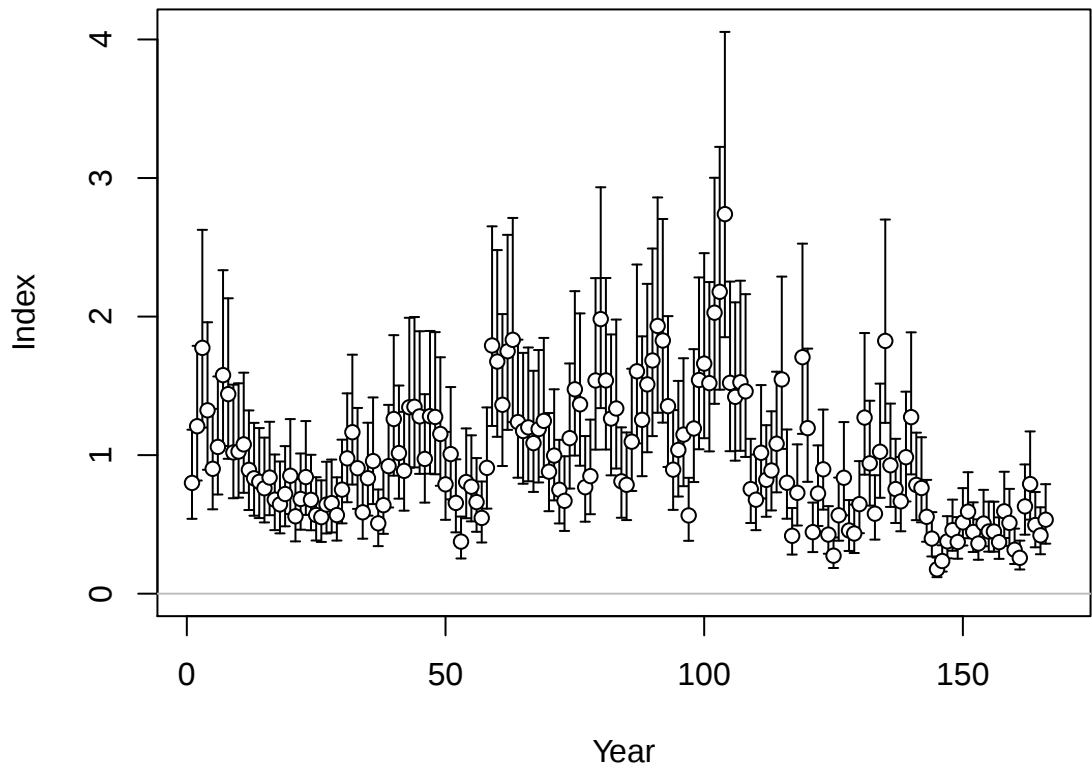
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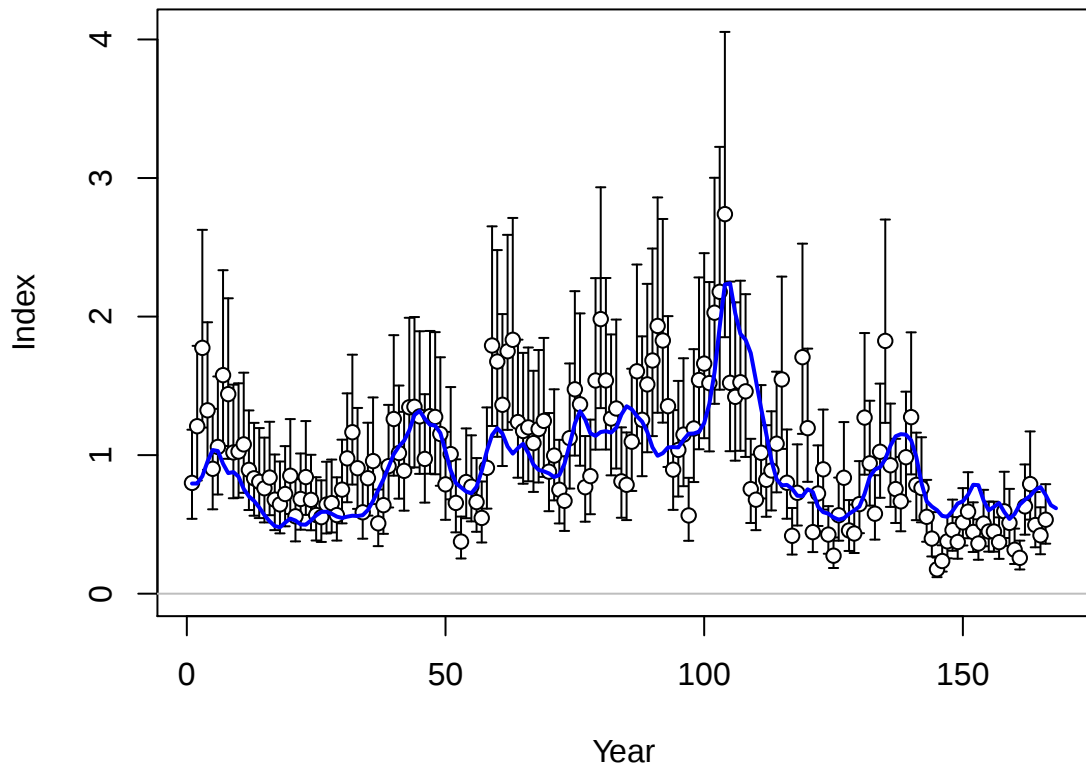
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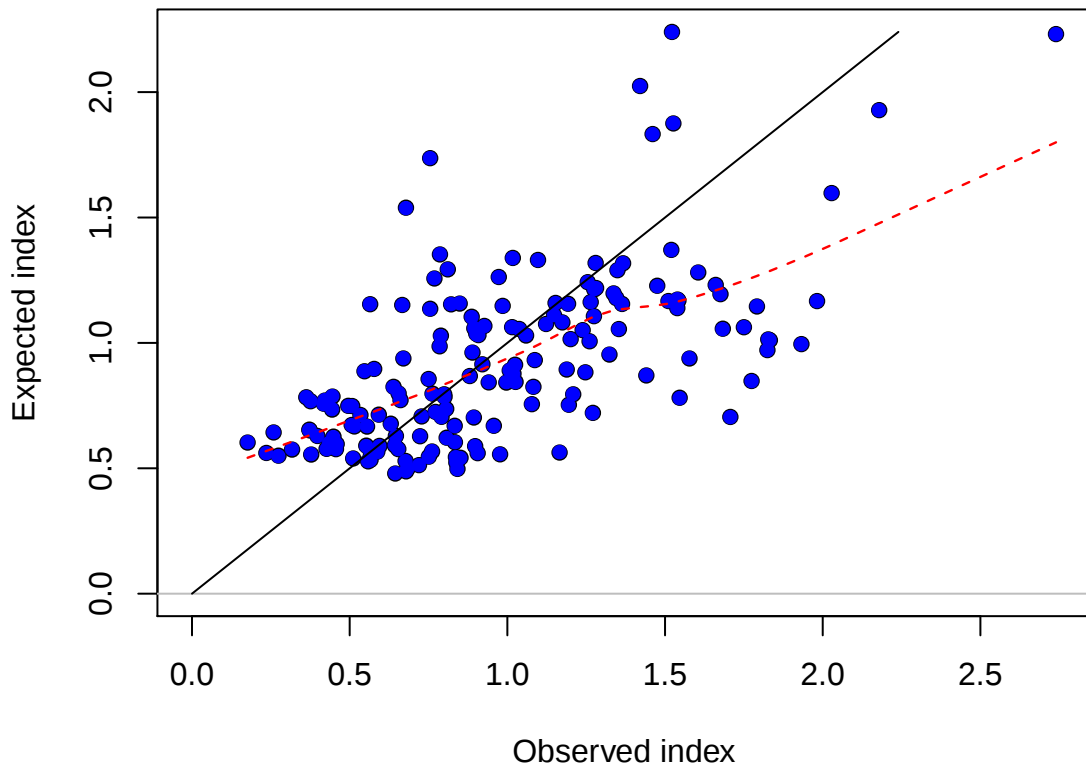
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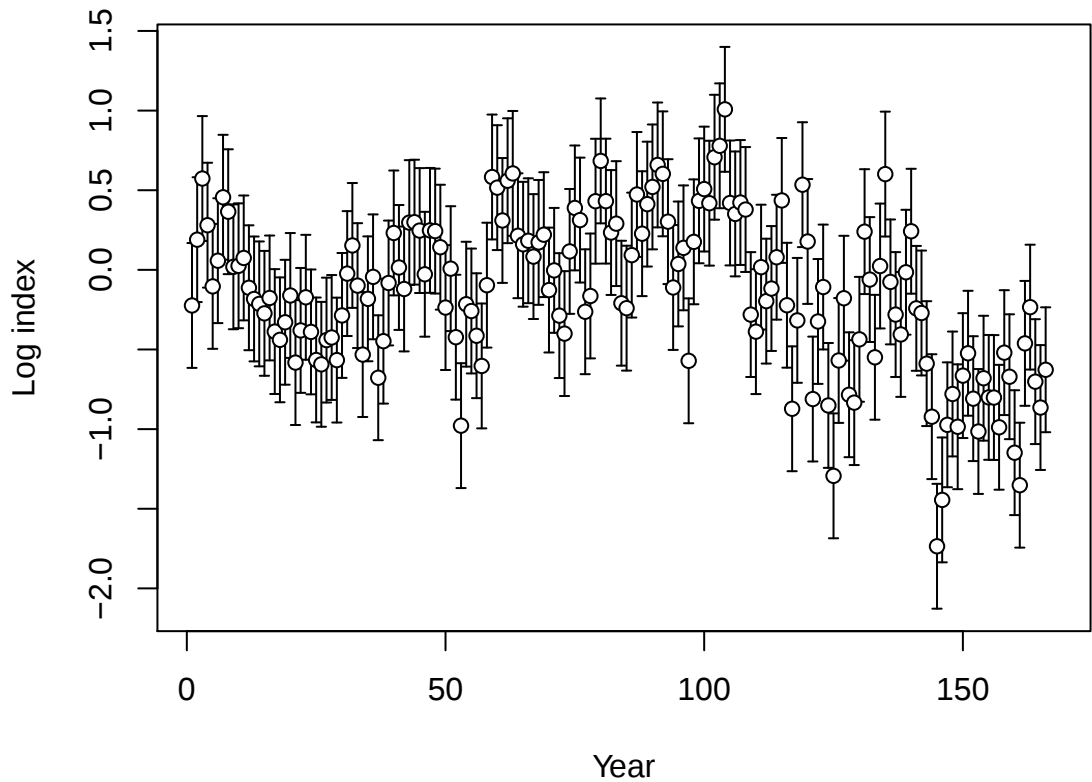
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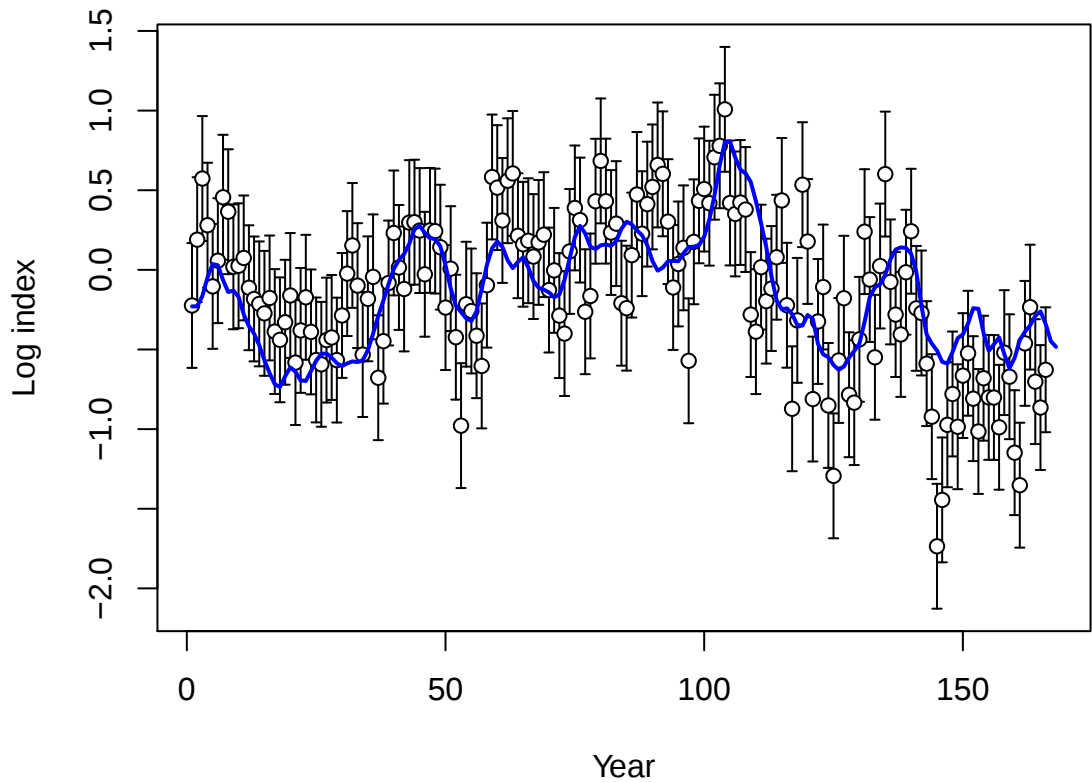
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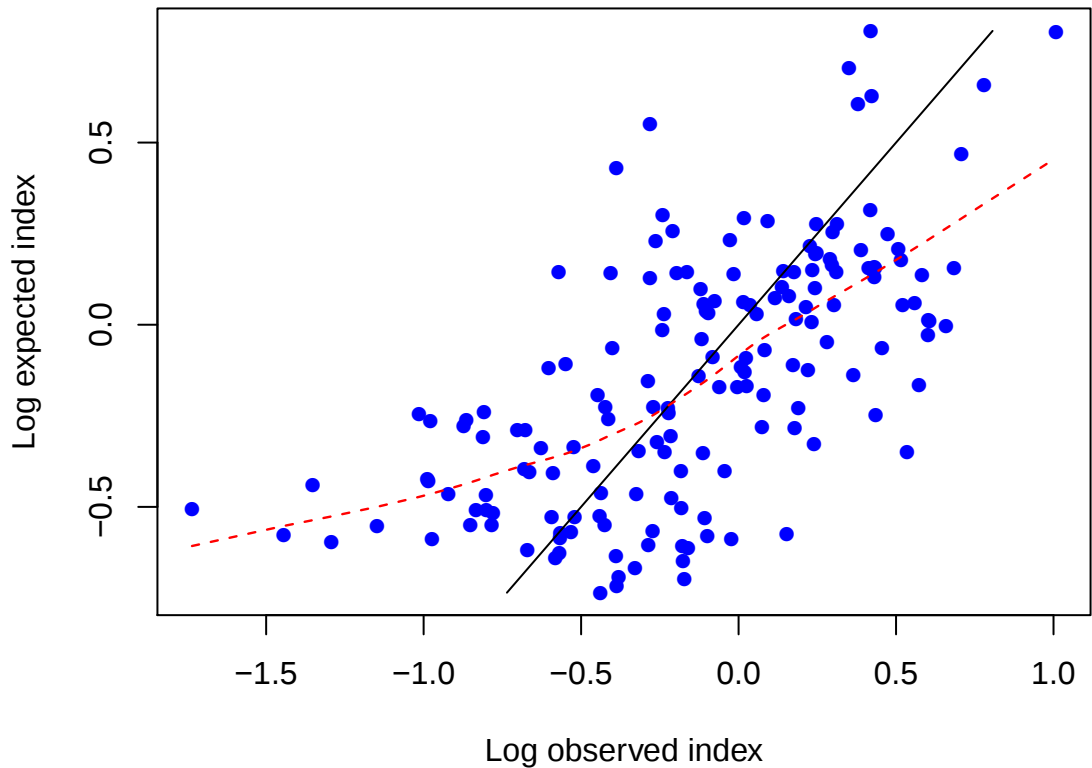
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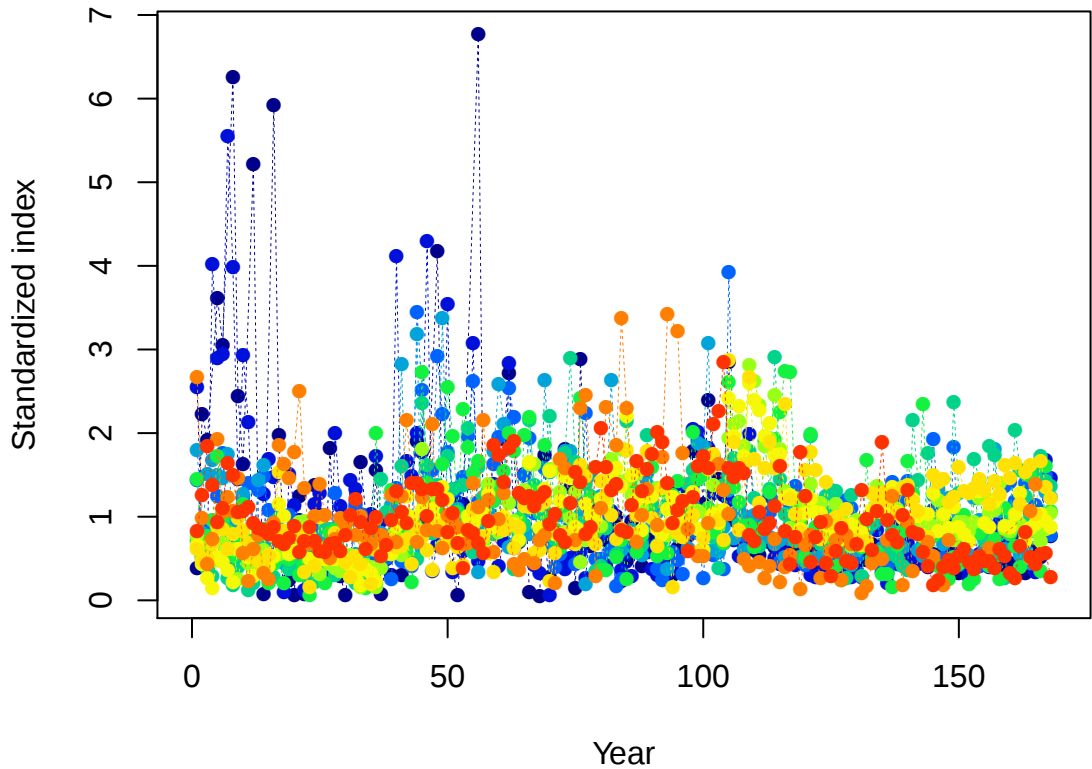
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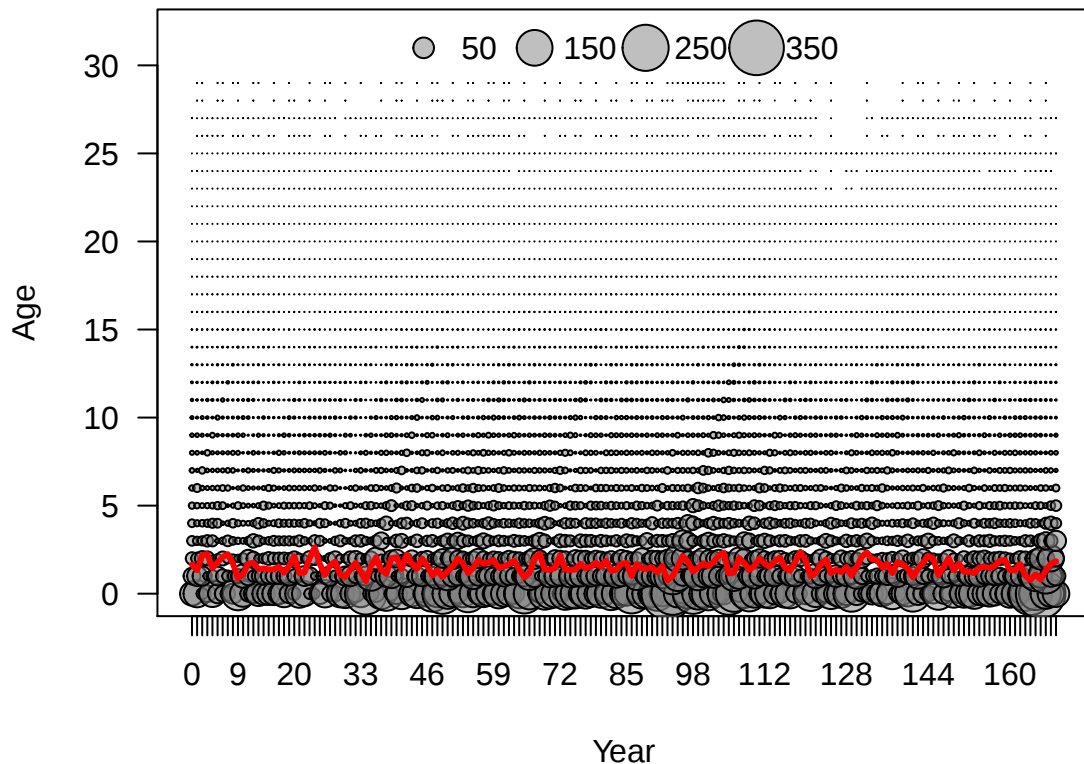
Log index F12-LL_S



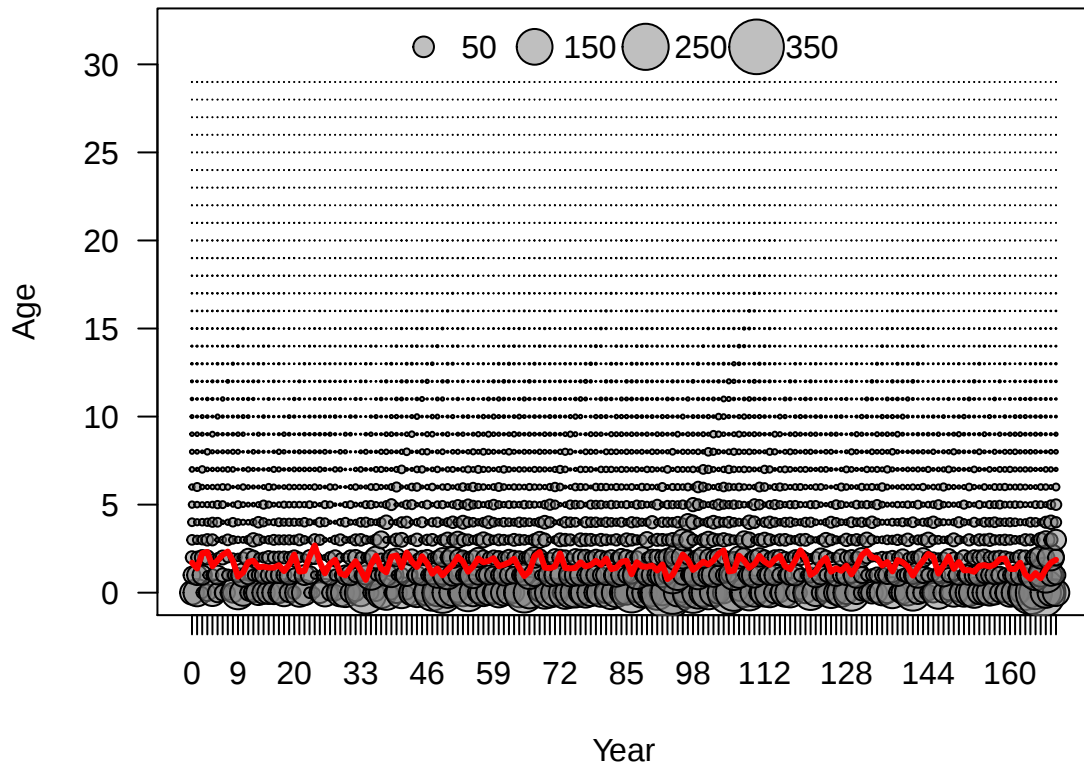
All cpue plot



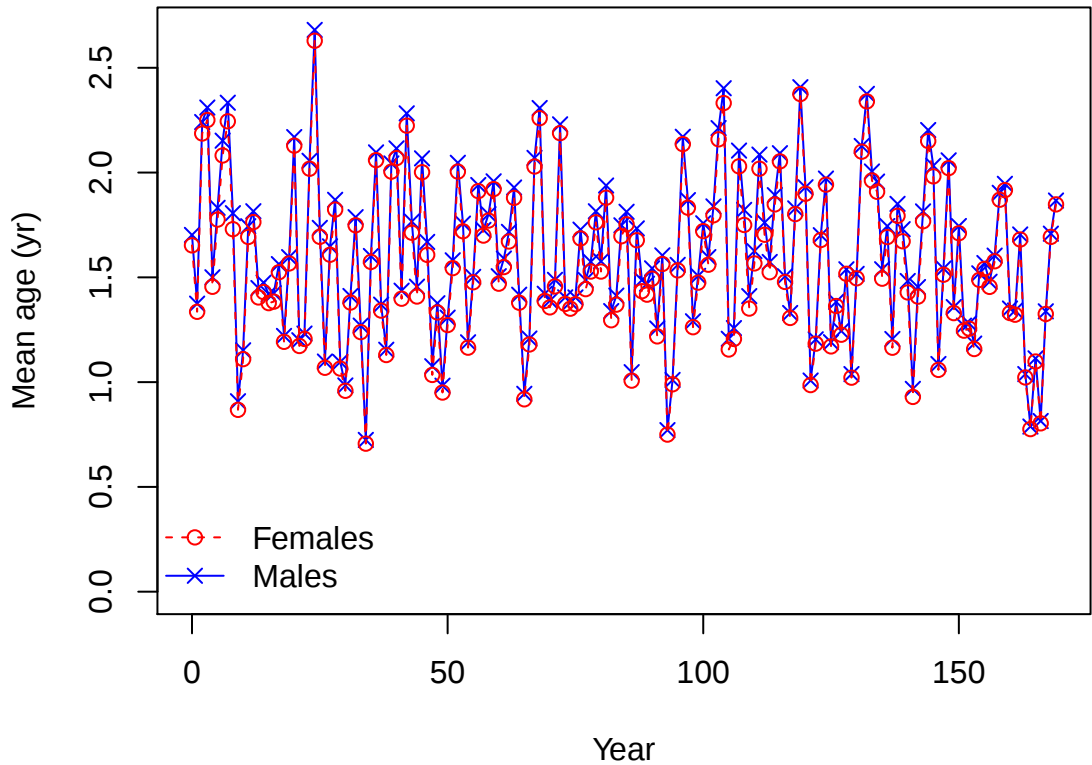
Beginning of year expected numbers at age of females in (max ~ 315.6 million)



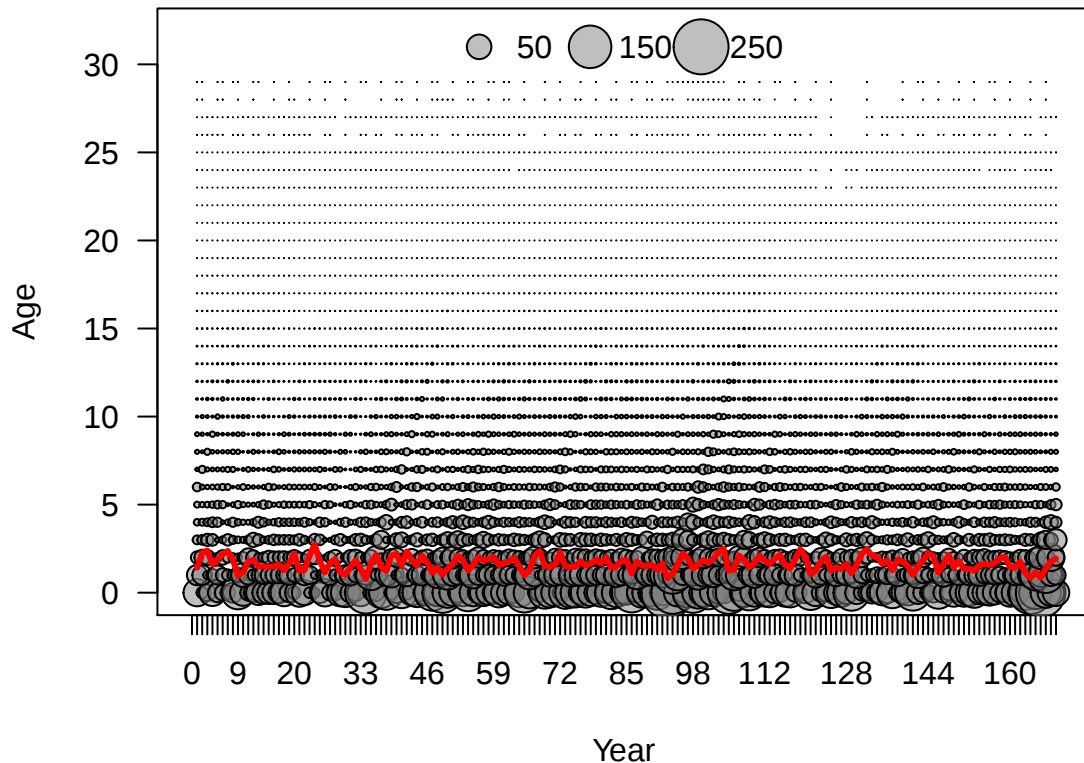
Beginning of year expected numbers at age of males in (max ~ 315.6 million)



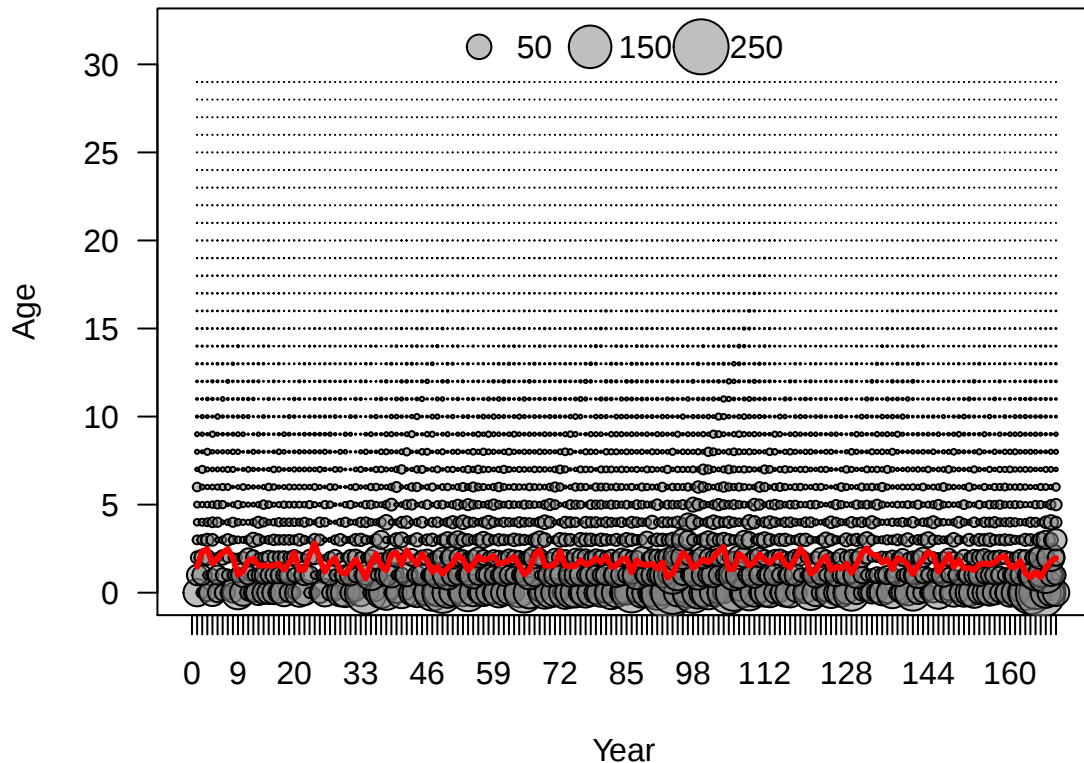
Beginning of year mean age in the population



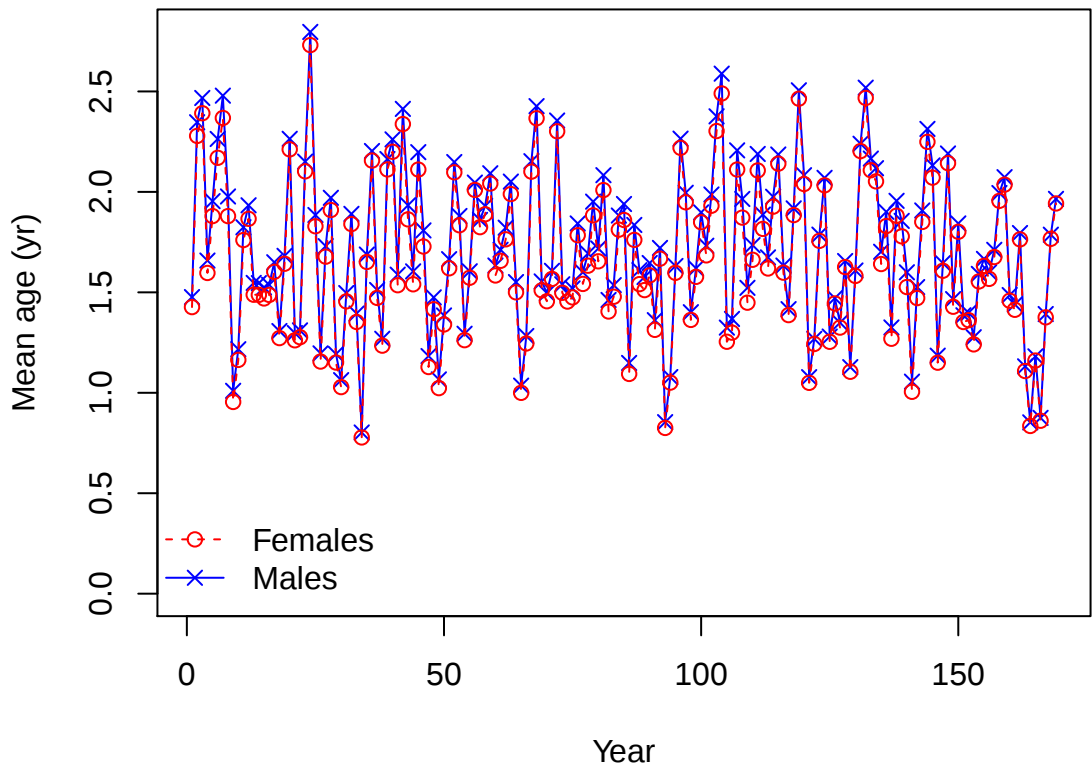
Middle of year expected numbers at age of females in (max ~ 222.4 million)



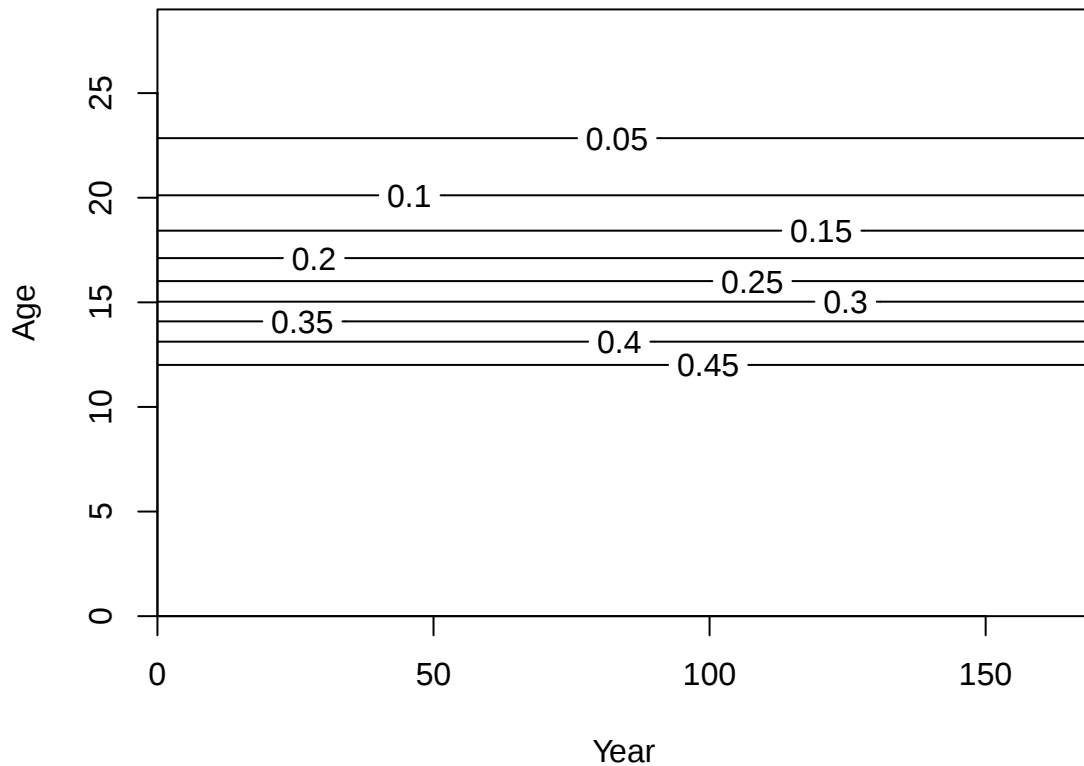
Middle of year expected numbers at age of males in (max ~ 222.4 million)



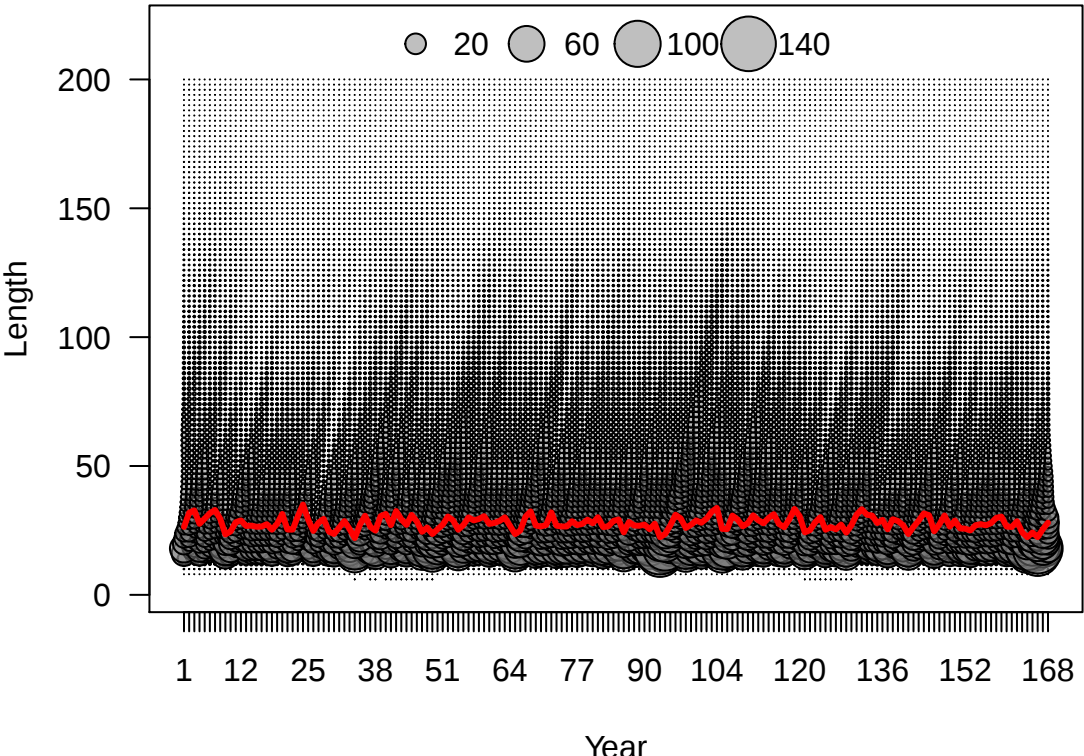
Middle of year mean age in the population



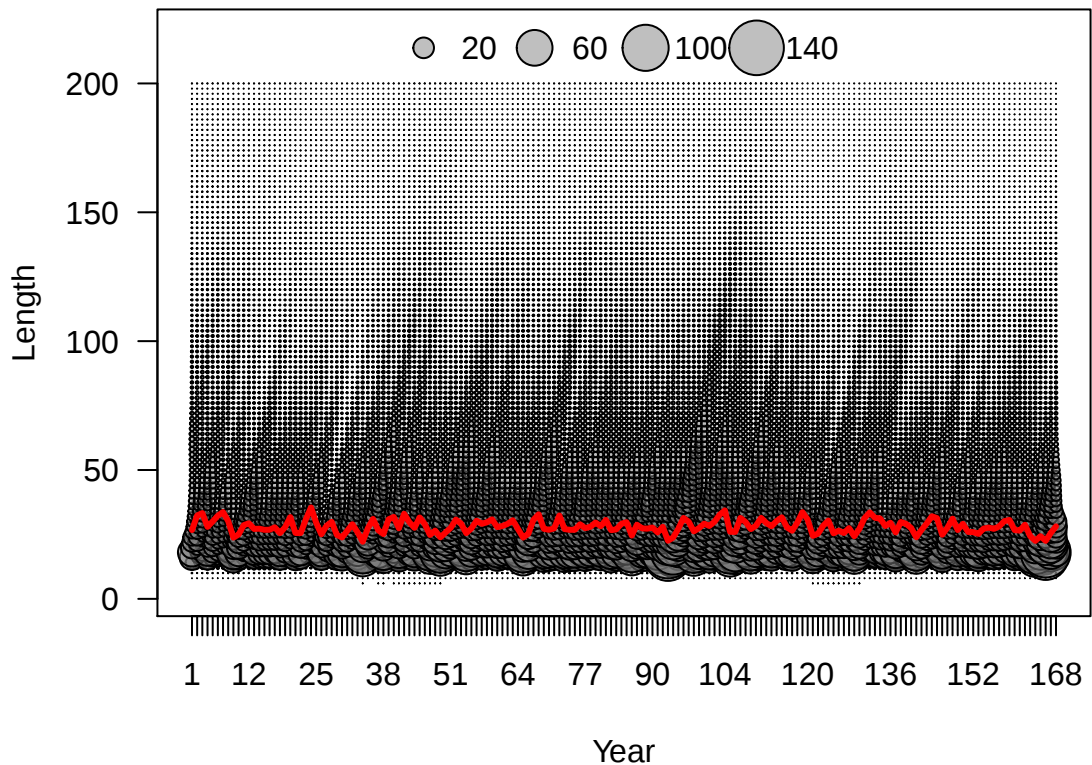
Fraction female in numbers at age



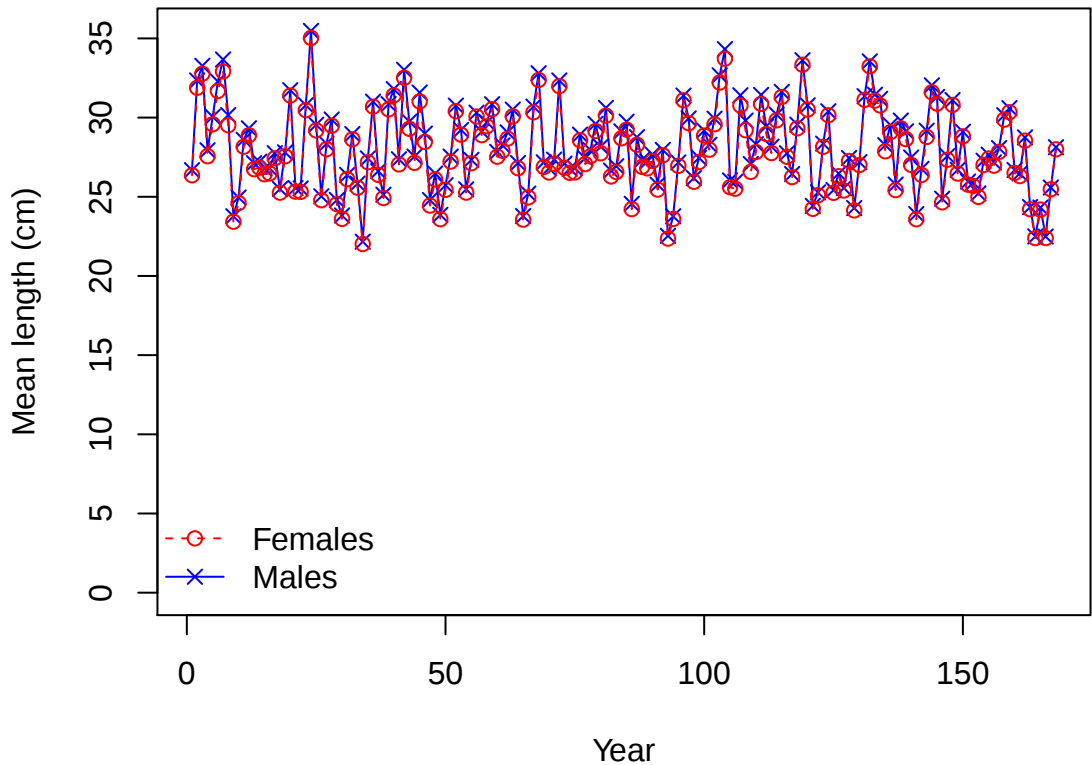
Beginning of year expected numbers at length of females in (max ~ 126.2 million)



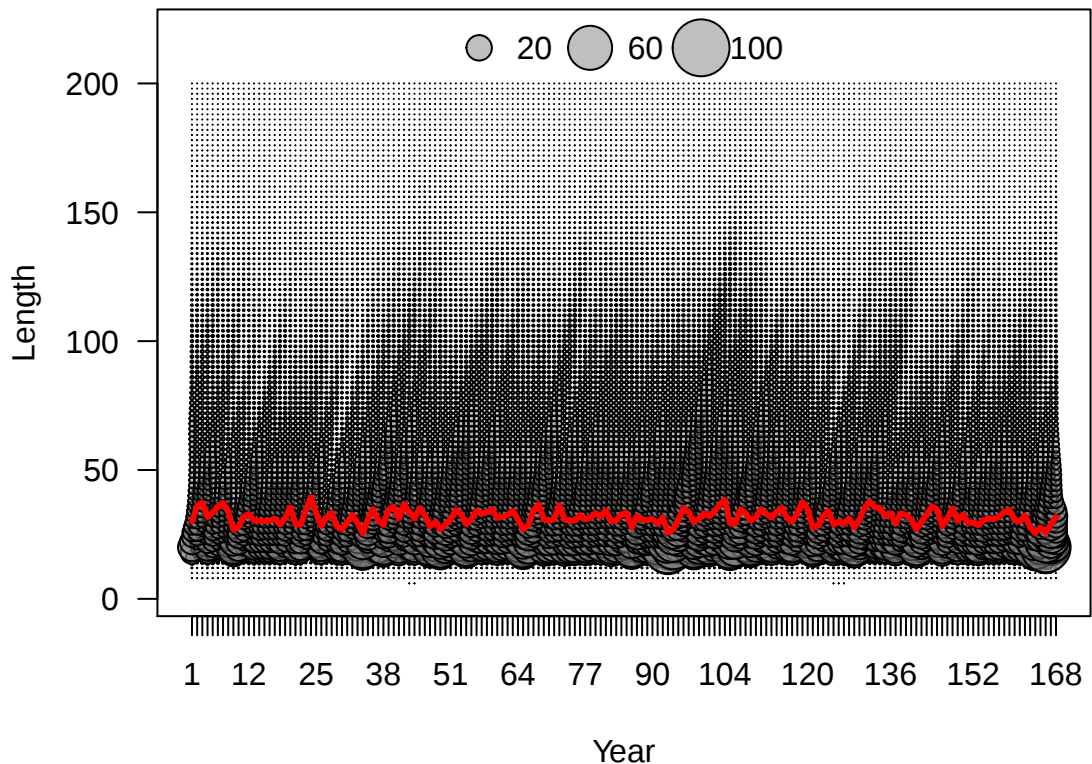
Beginning of year expected numbers at length of males in (max ~ 126.2 million)



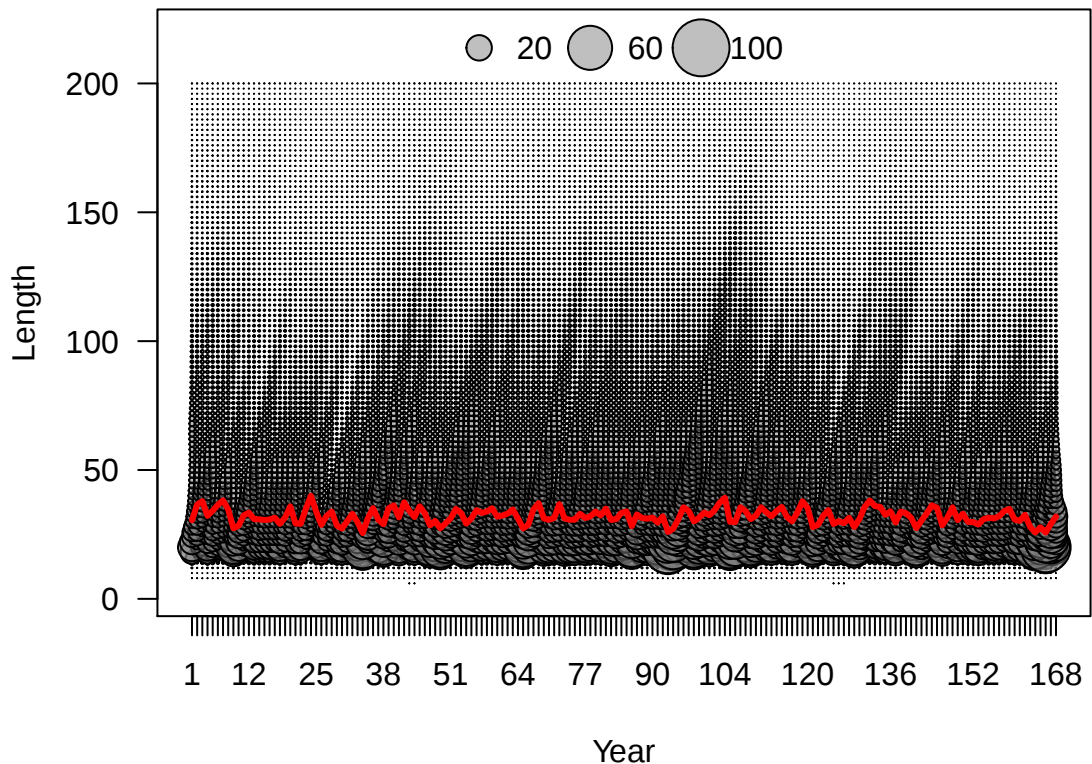
Beginning of year mean length (cm) in the population



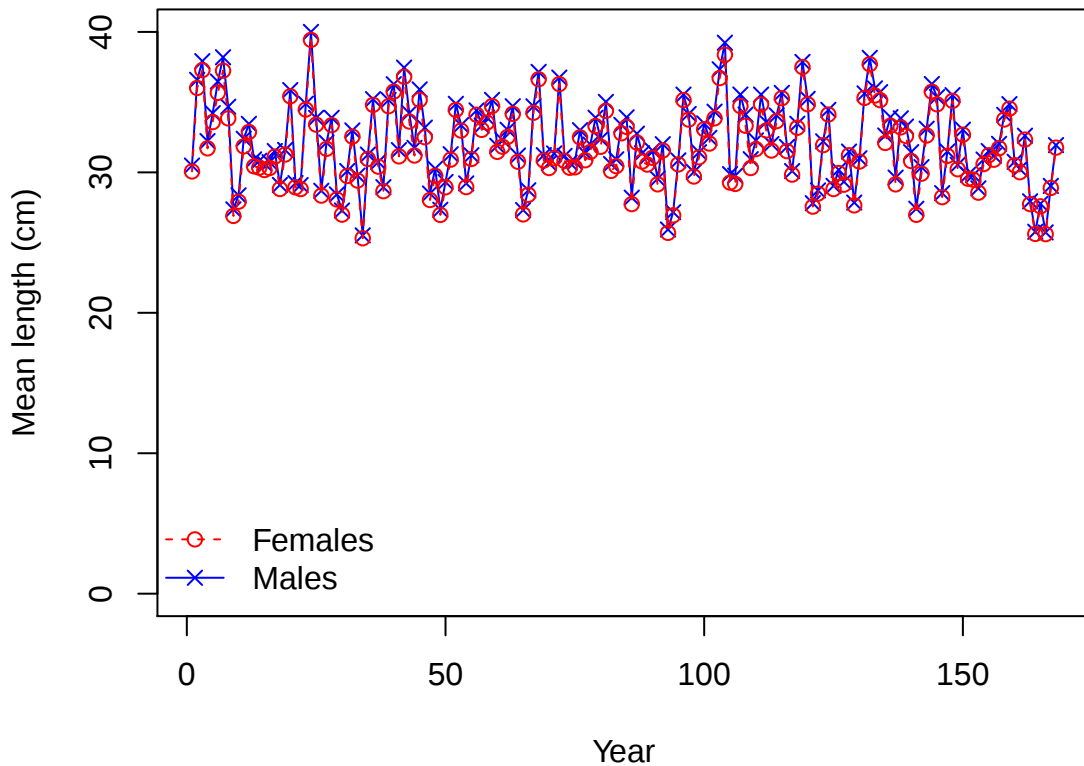
Middle of year expected numbers at length of females in (max ~ 83.0 million)



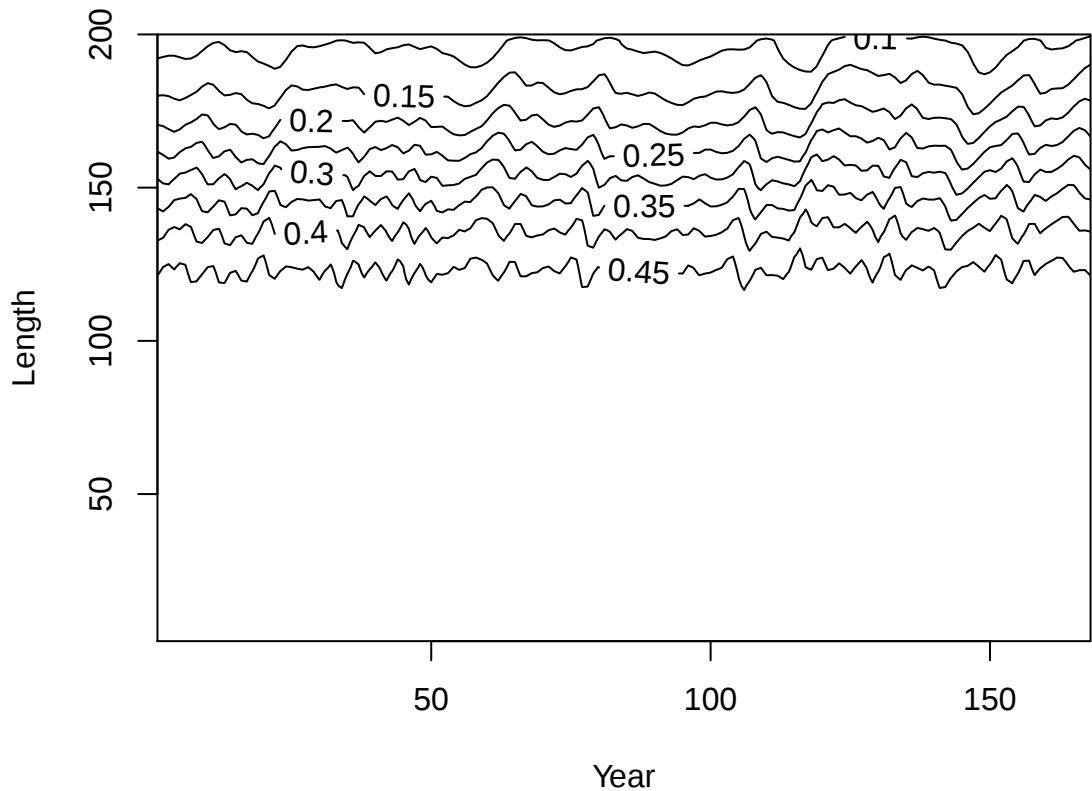
Middle of year expected numbers at length of males in (max ~ 83.0 million)



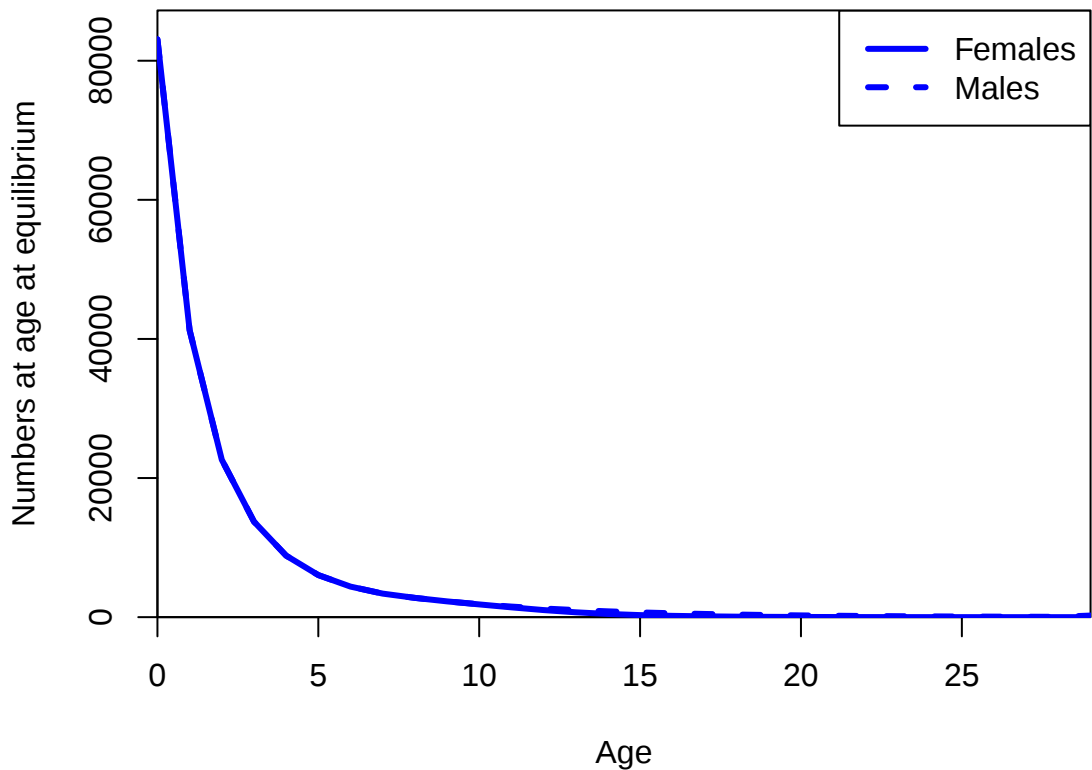
Middle of year mean length (cm) in the population



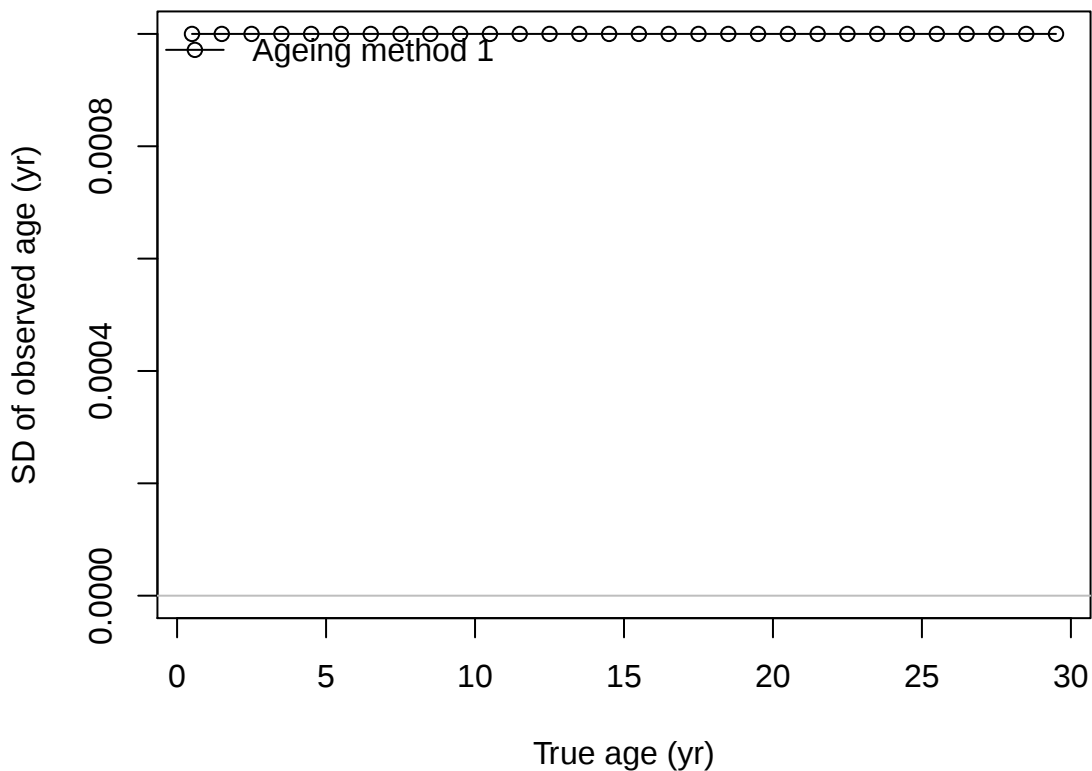
Fraction female in numbers at length



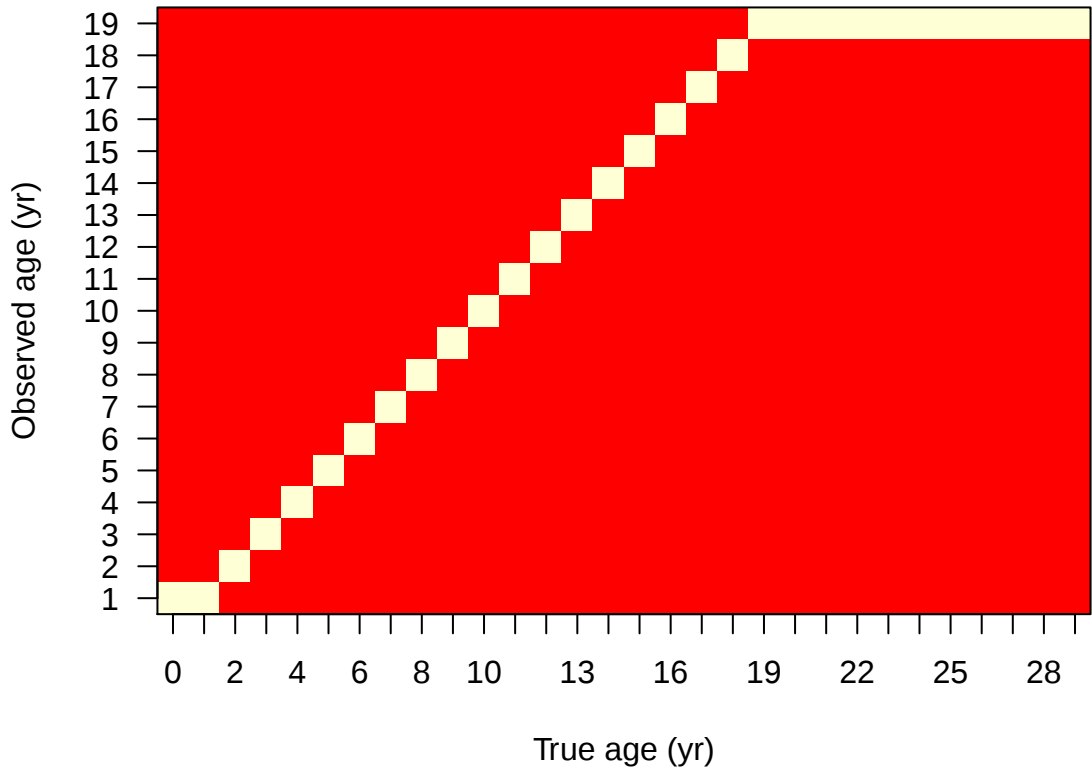
Equilibrium age distribution



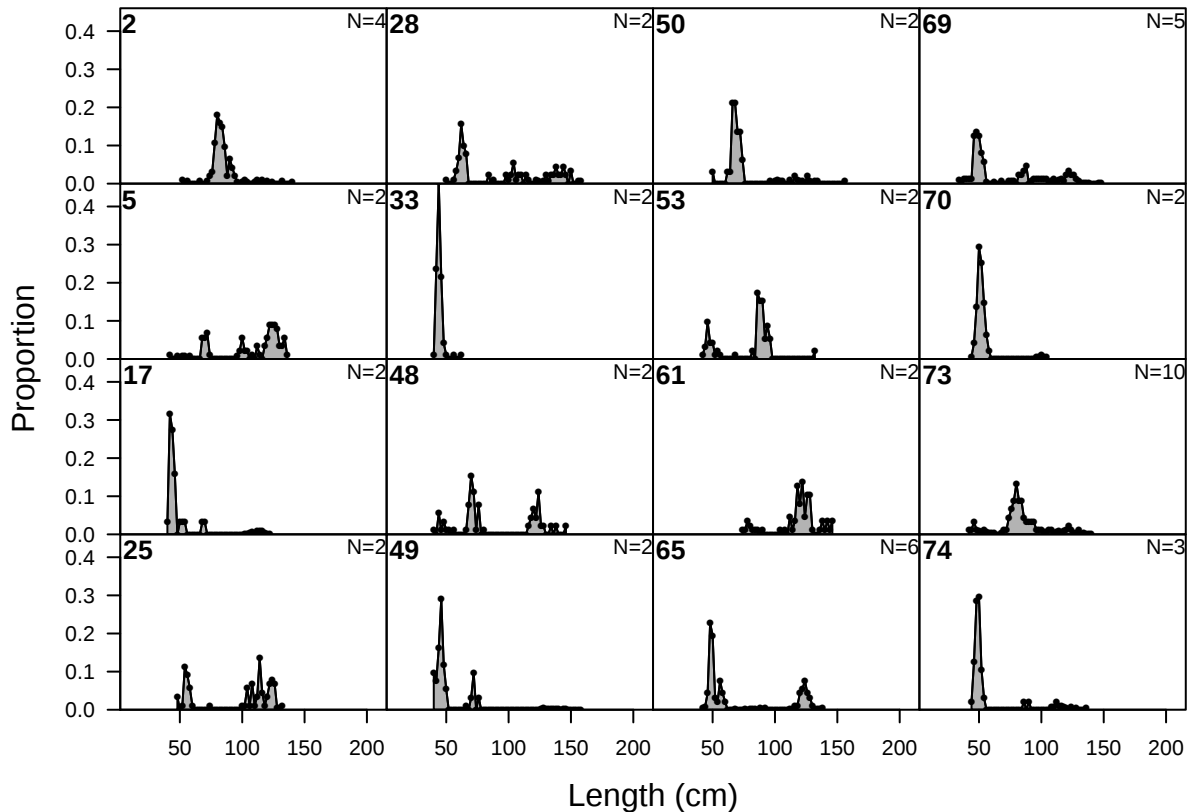
Ageing imprecision



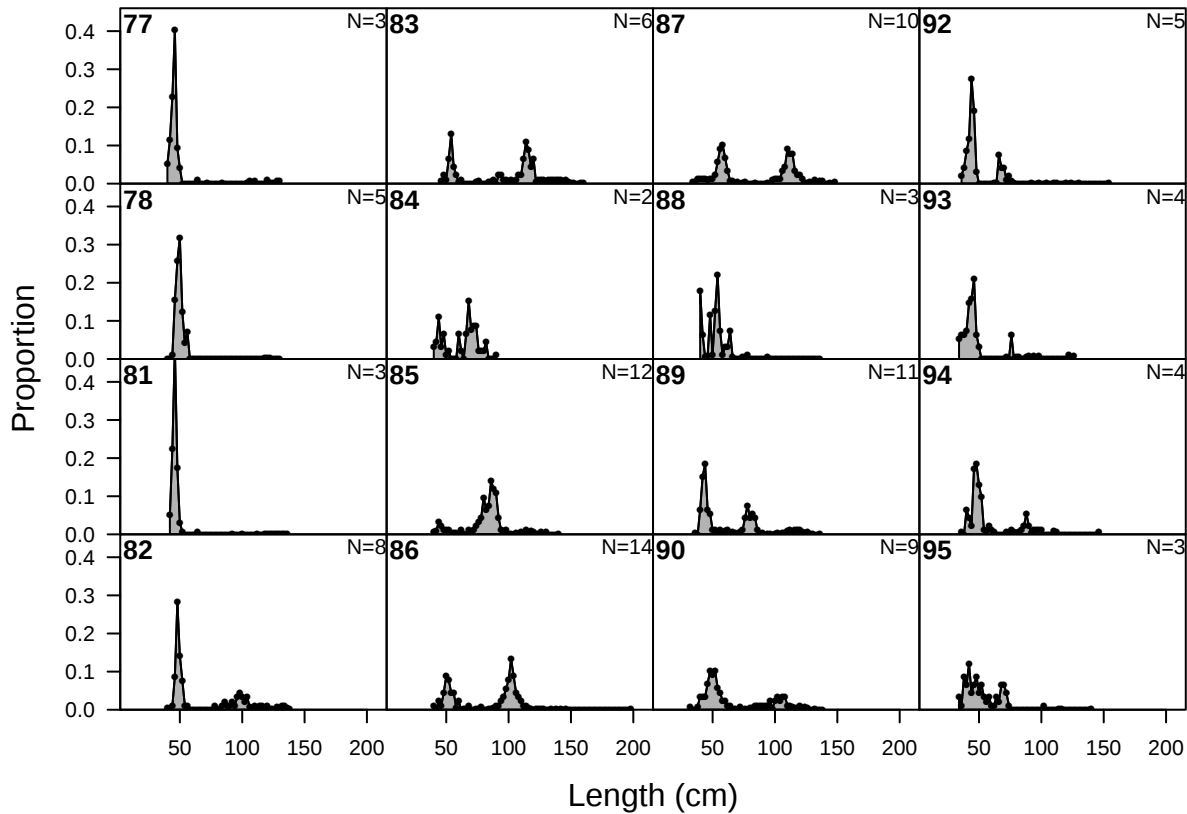
Ageing imprecision: matrix for method 1



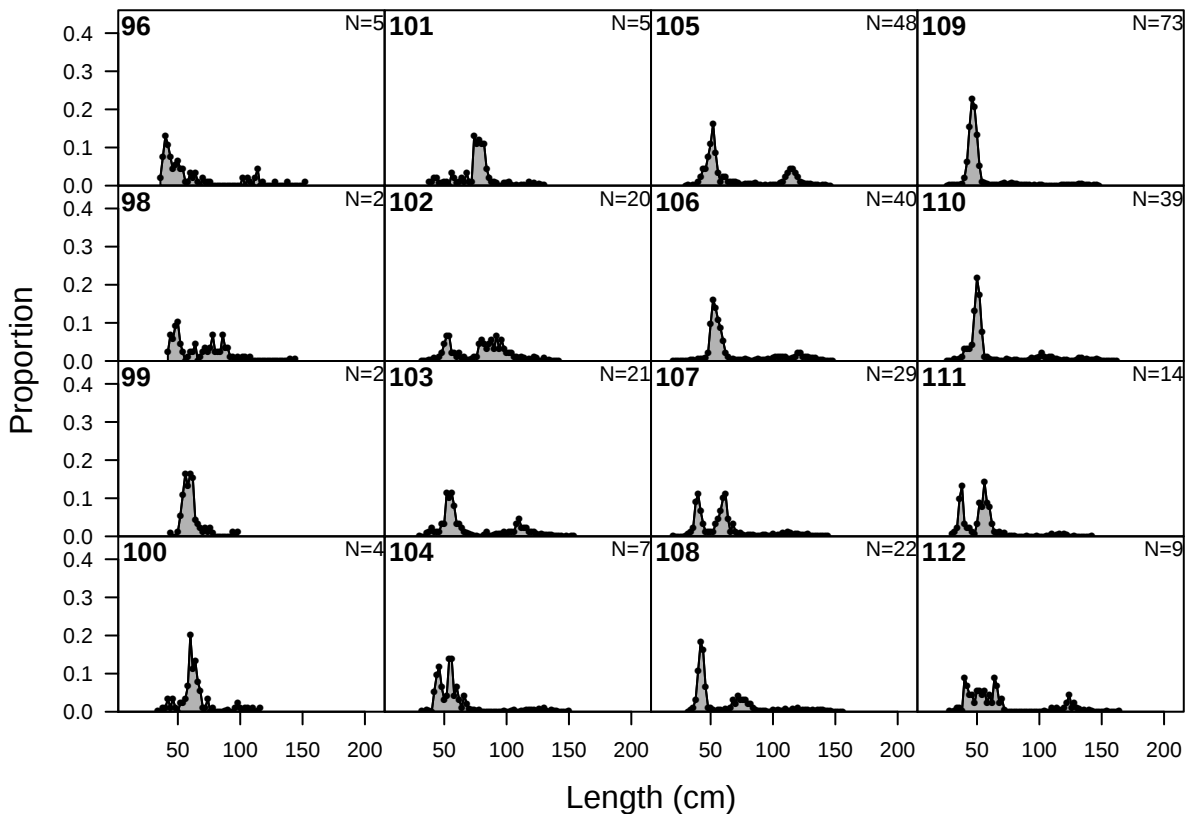
length comp data, whole catch, F1-OBJ_S



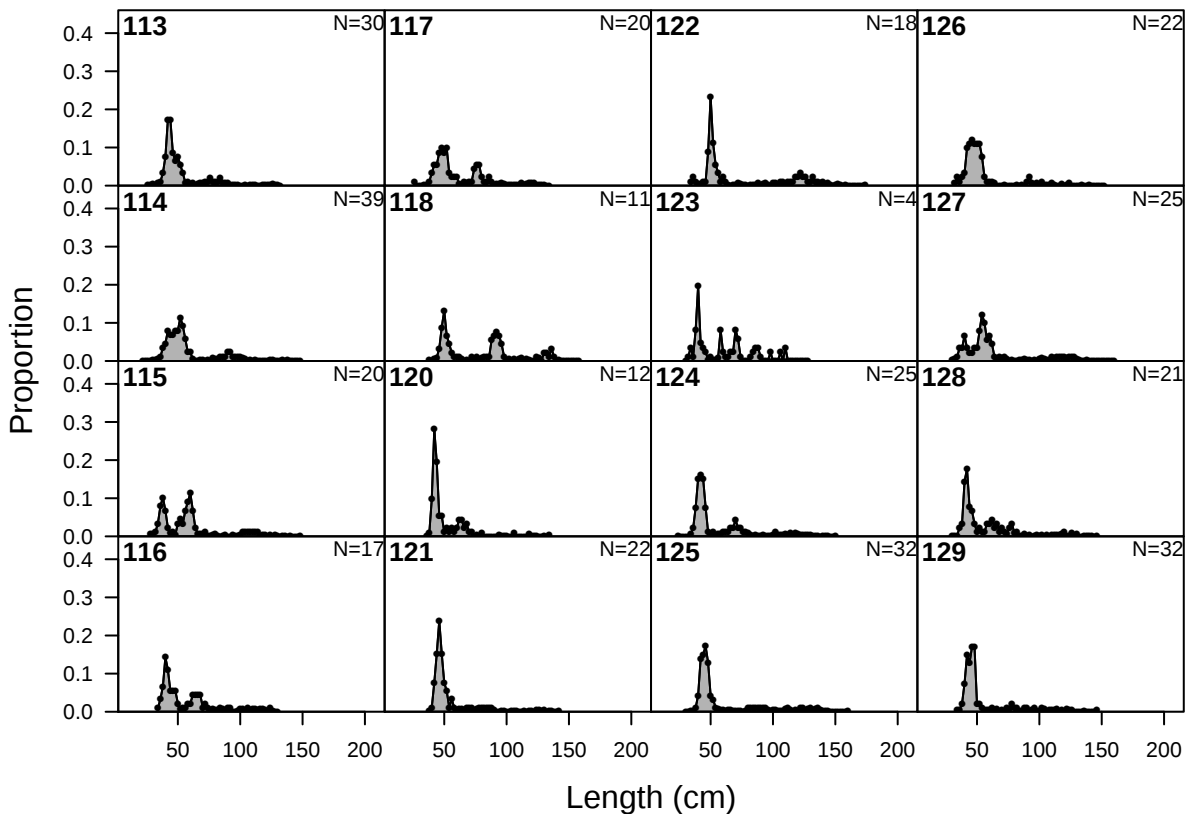
length comp data, whole catch, F1-OBJ_S



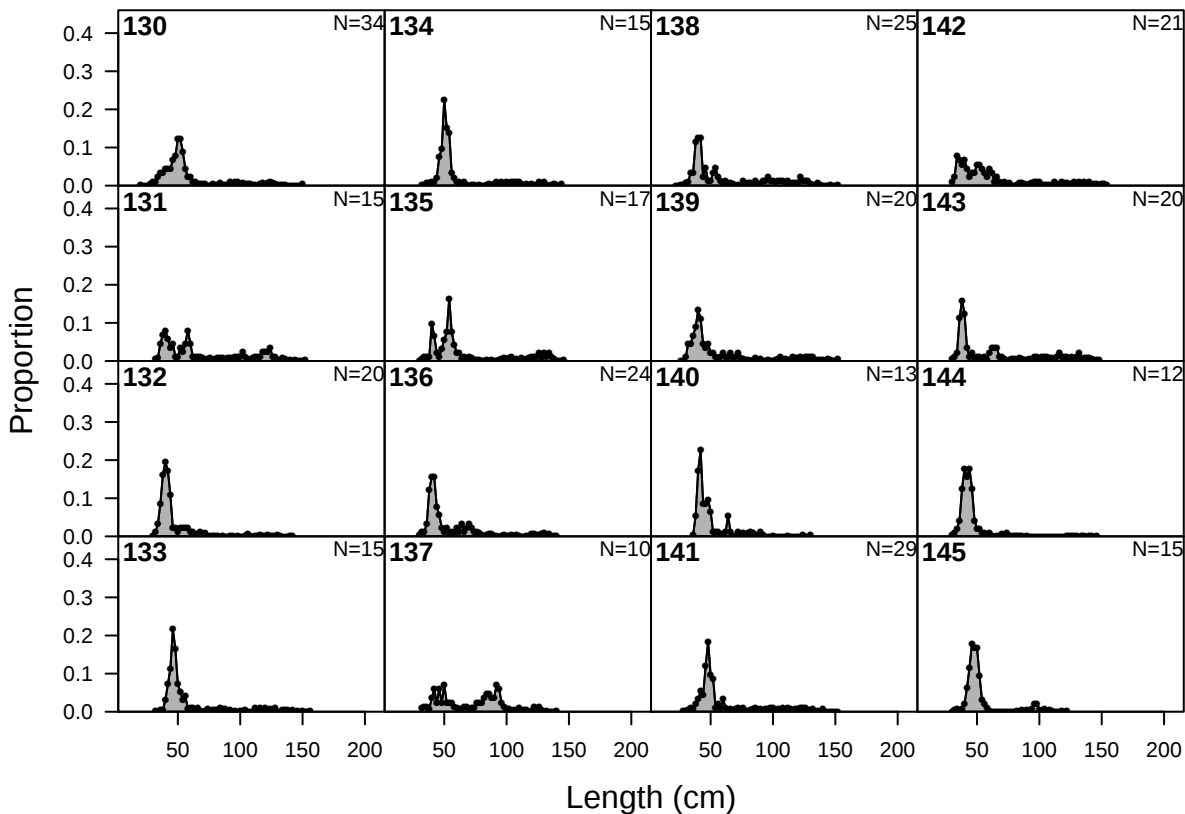
length comp data, whole catch, F1-OBJ_S



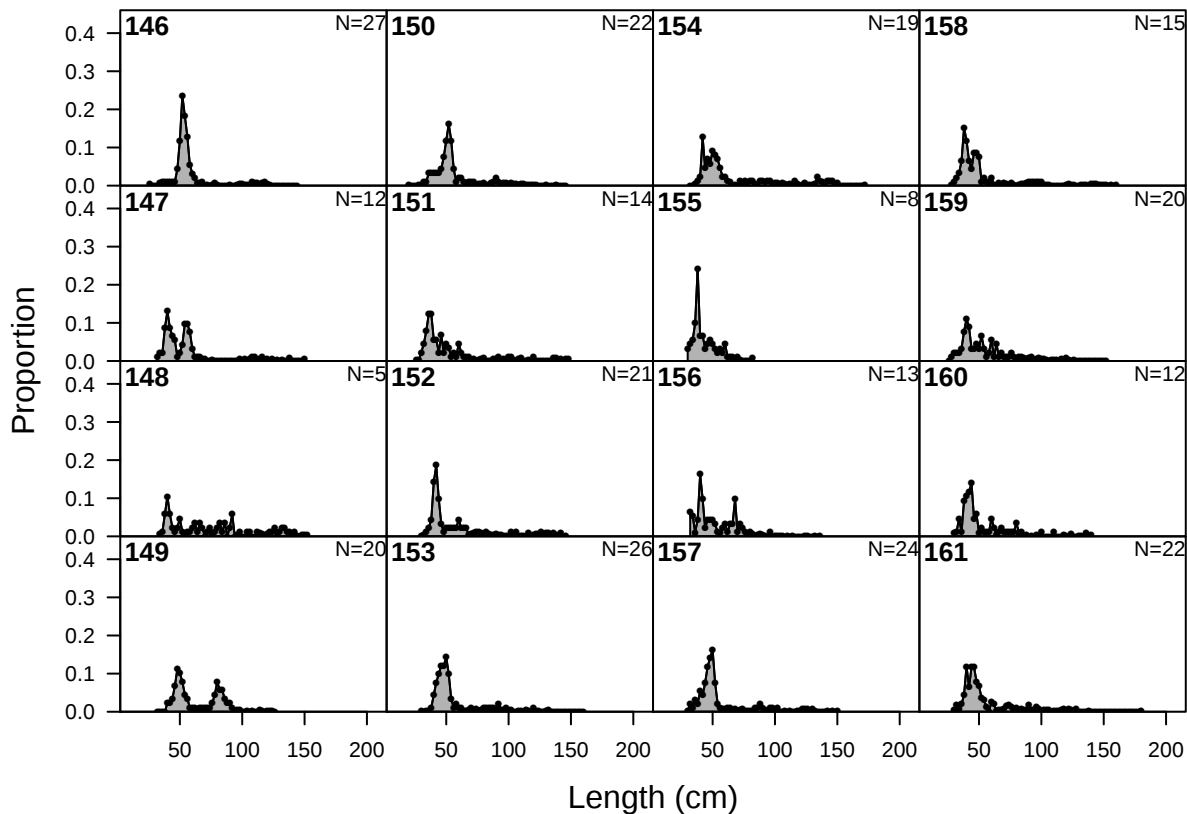
length comp data, whole catch, F1-OBJ_S



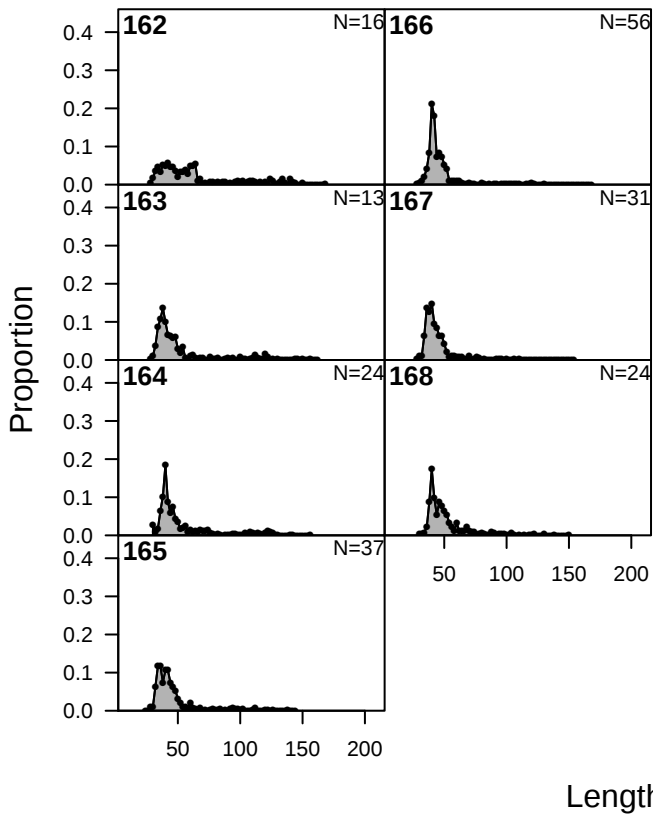
length comp data, whole catch, F1-OBJ_S



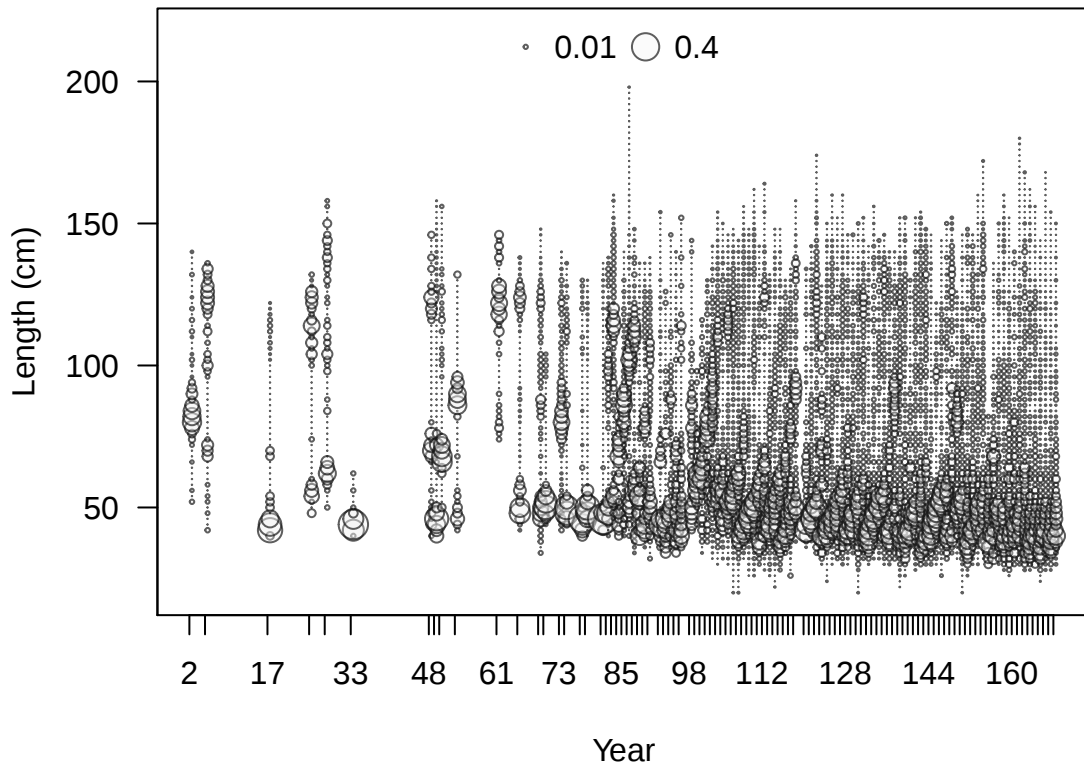
length comp data, whole catch, F1-OBJ_S



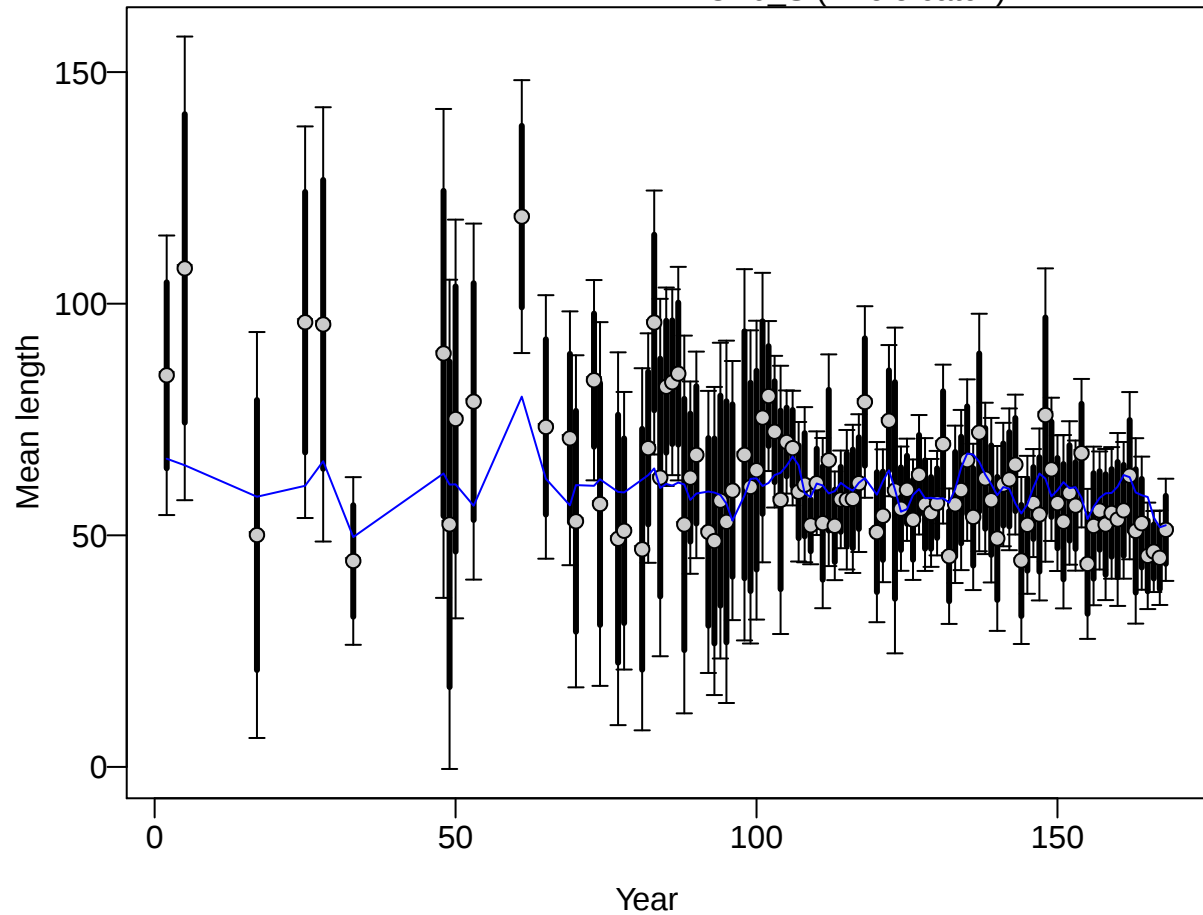
length comp data, whole catch, F1-OBJ_S



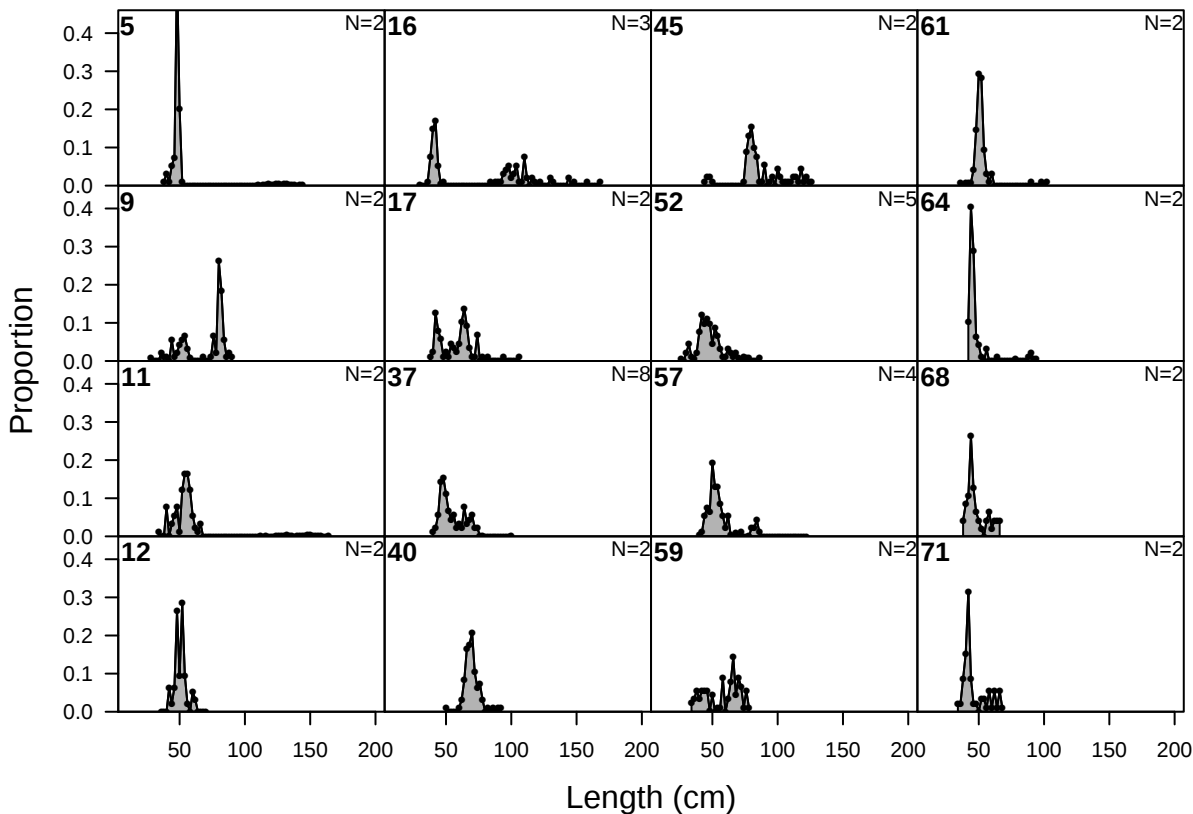
length comp data, whole catch, F1-OBJ_S (max=0.49)



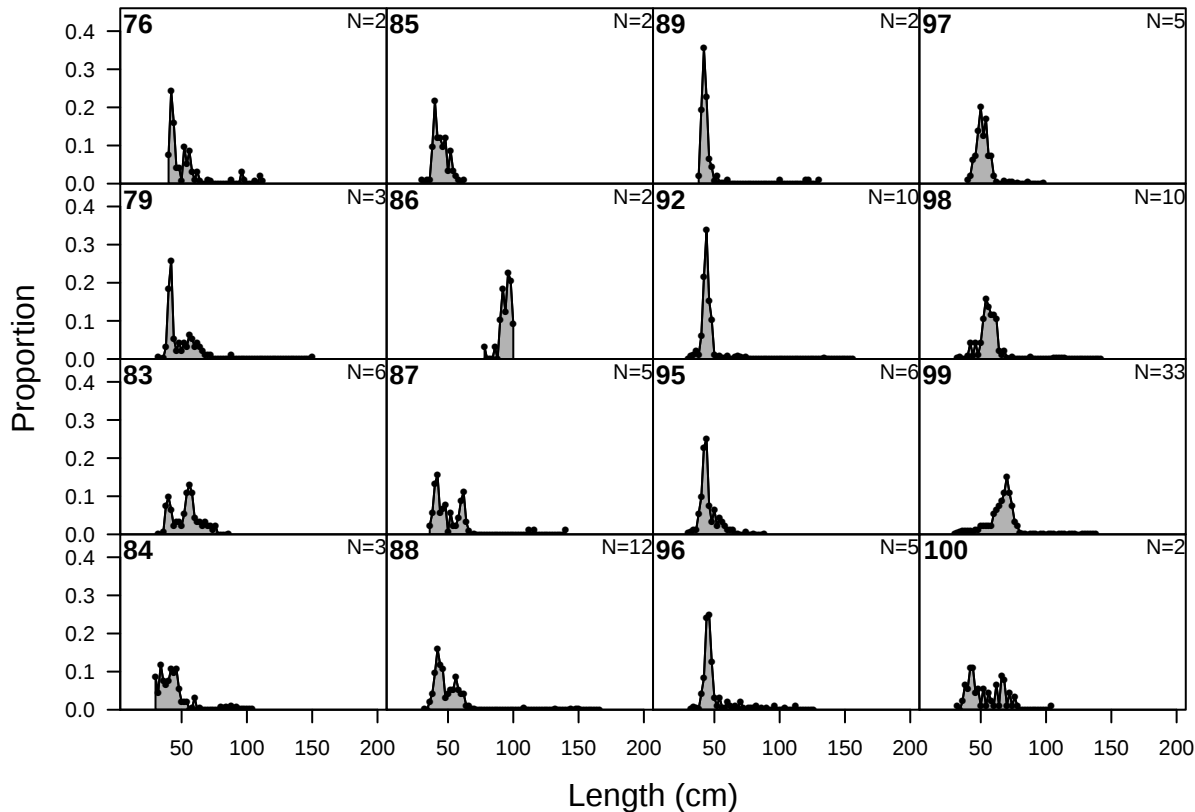
F1-OBJ_S (whole catch)



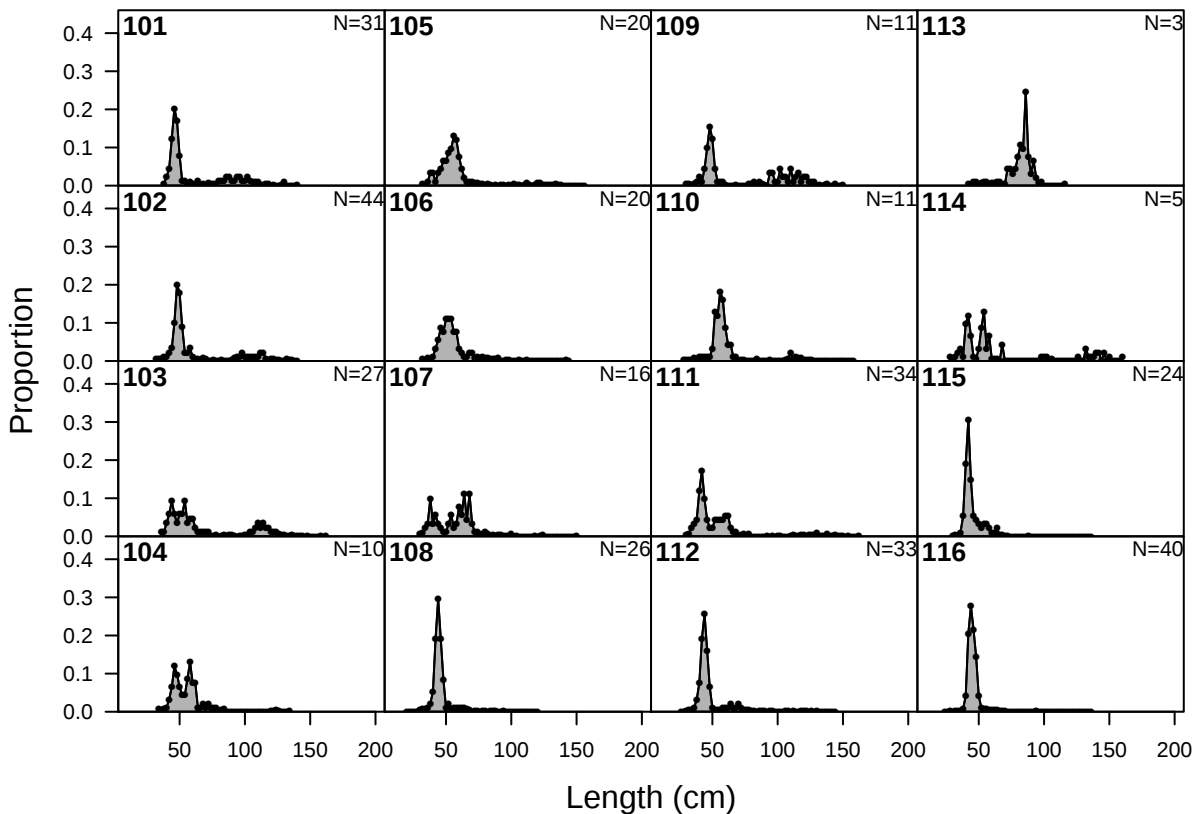
length comp data, whole catch, F2-OBJ_C



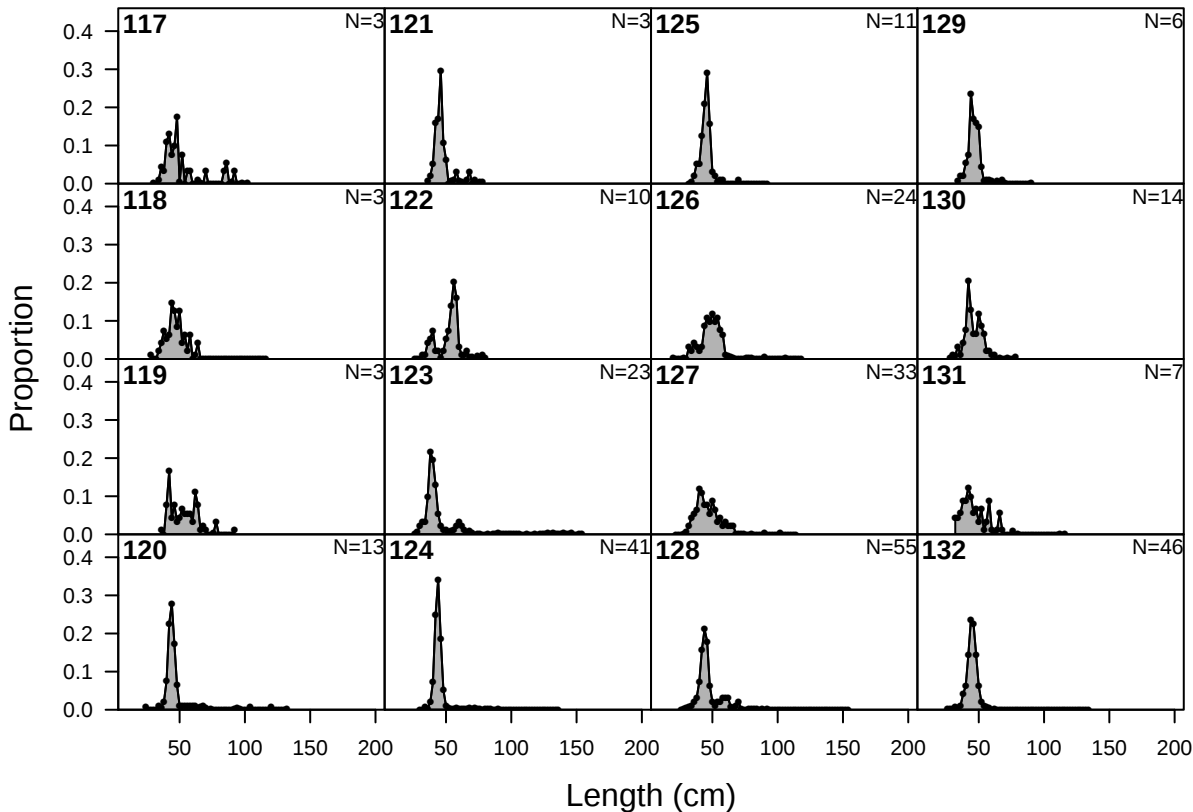
length comp data, whole catch, F2-OBJ_C



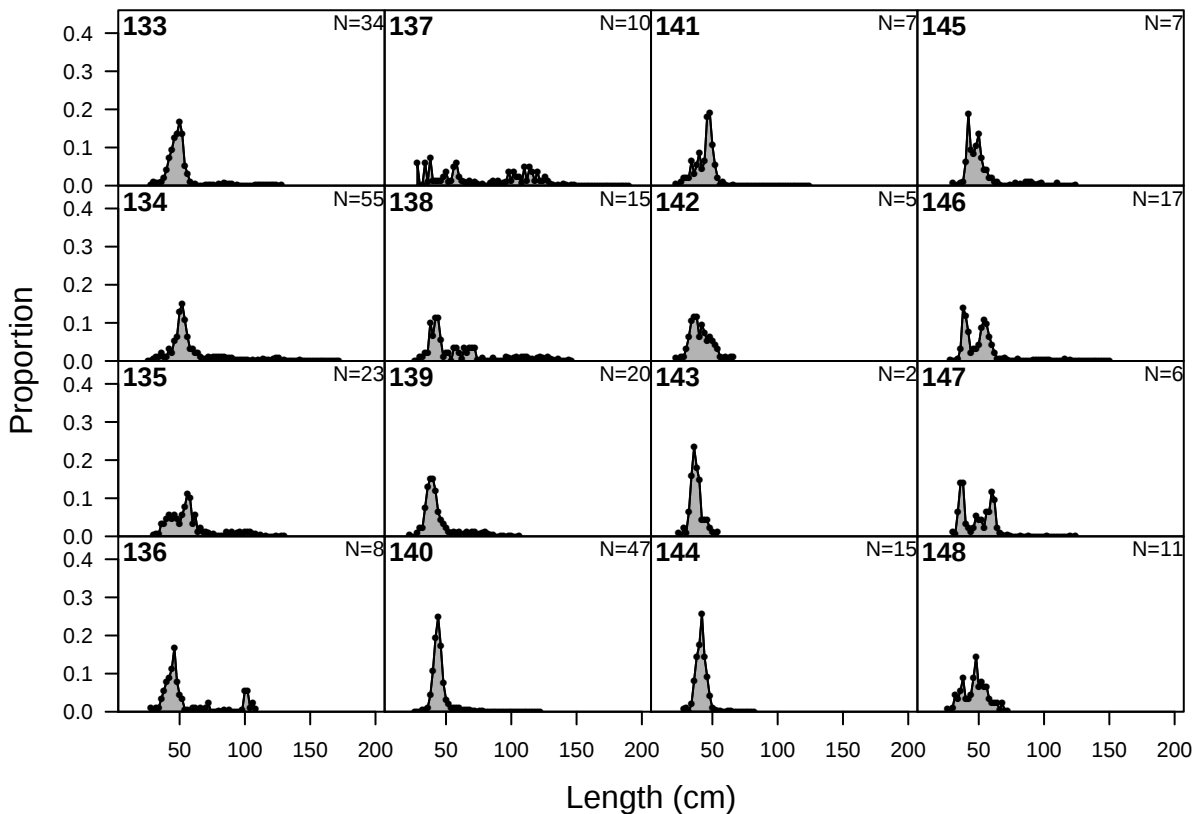
length comp data, whole catch, F2-OBJ_C



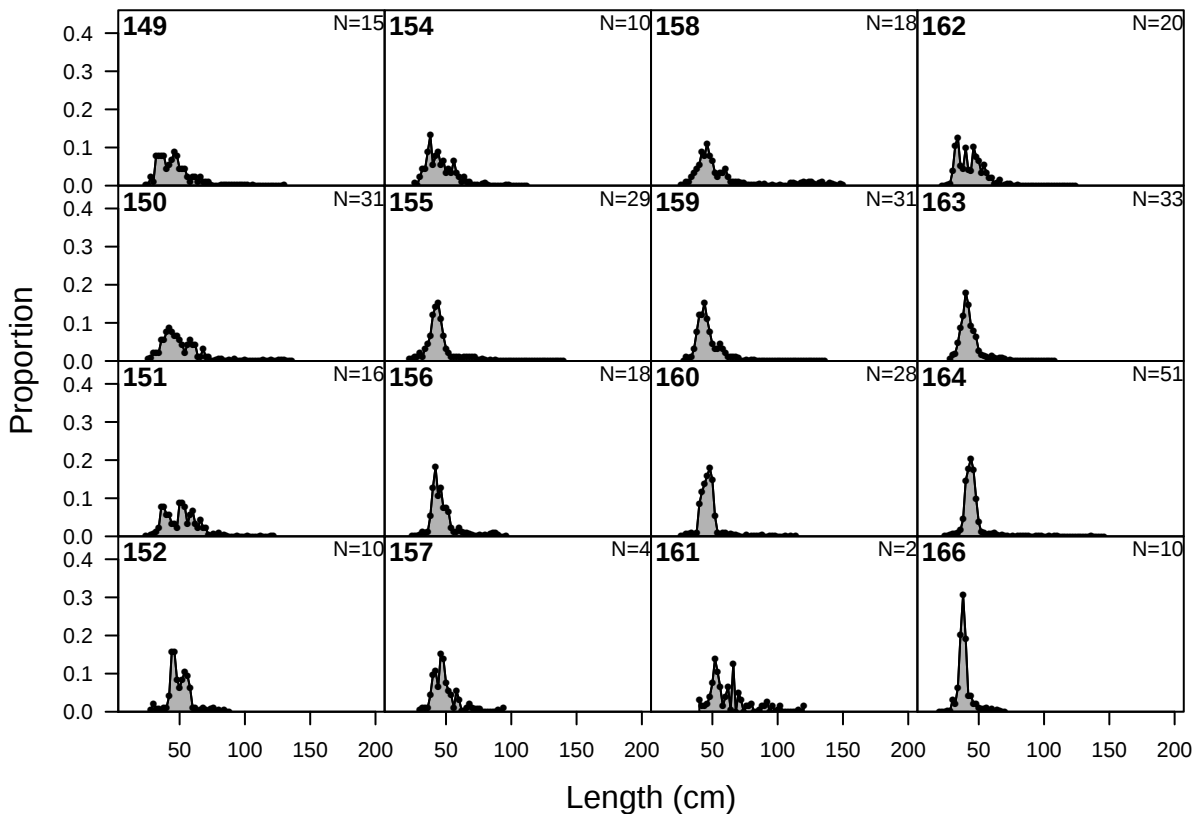
length comp data, whole catch, F2-OBJ_C



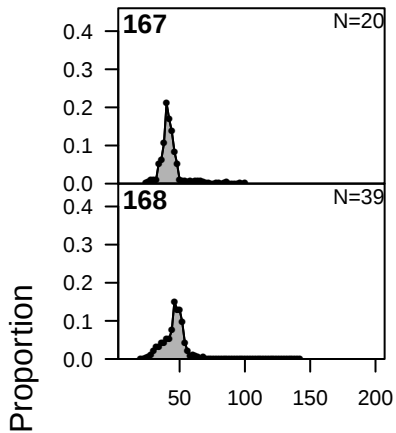
length comp data, whole catch, F2-OBJ_C



length comp data, whole catch, F2-OBJ_C

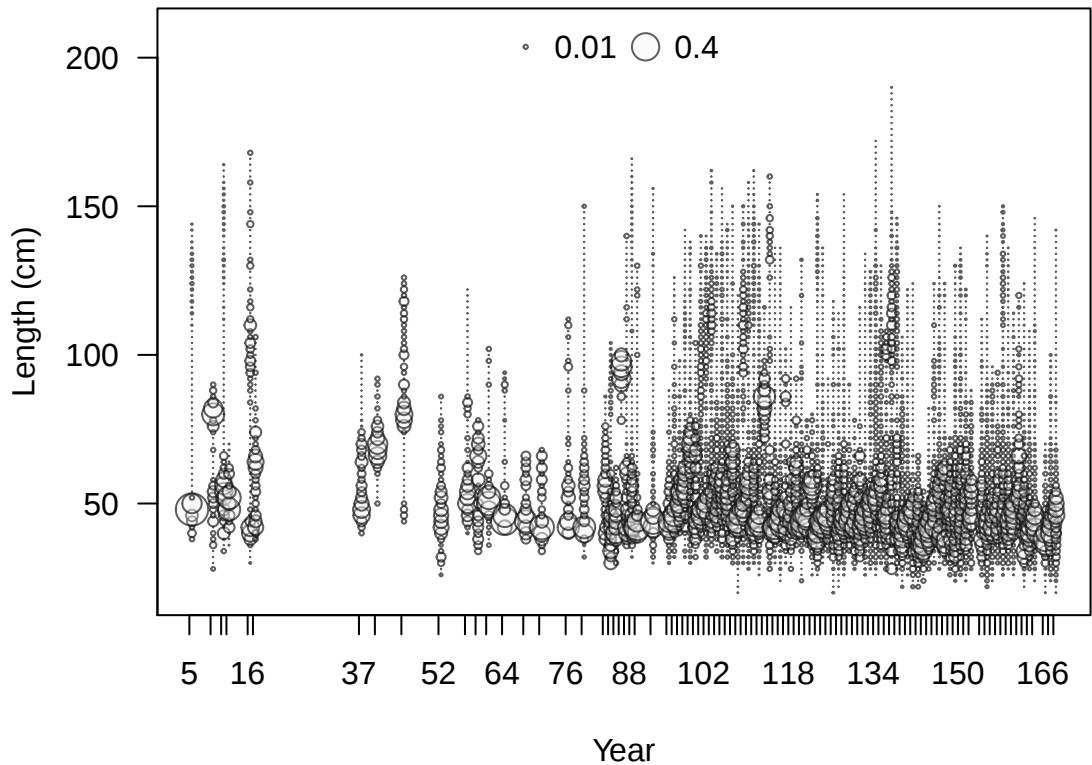


length comp data, whole catch, F2-OBJ_C

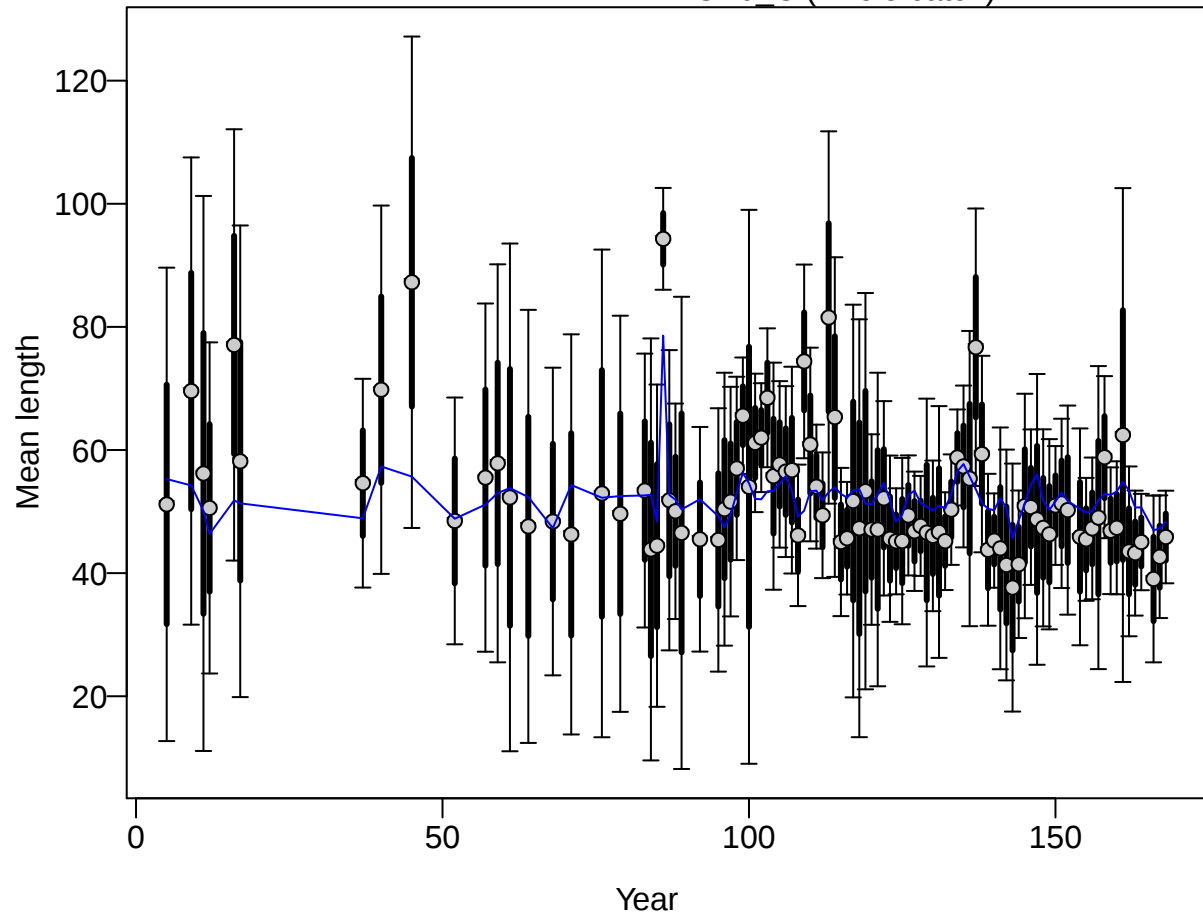


Length (cm)

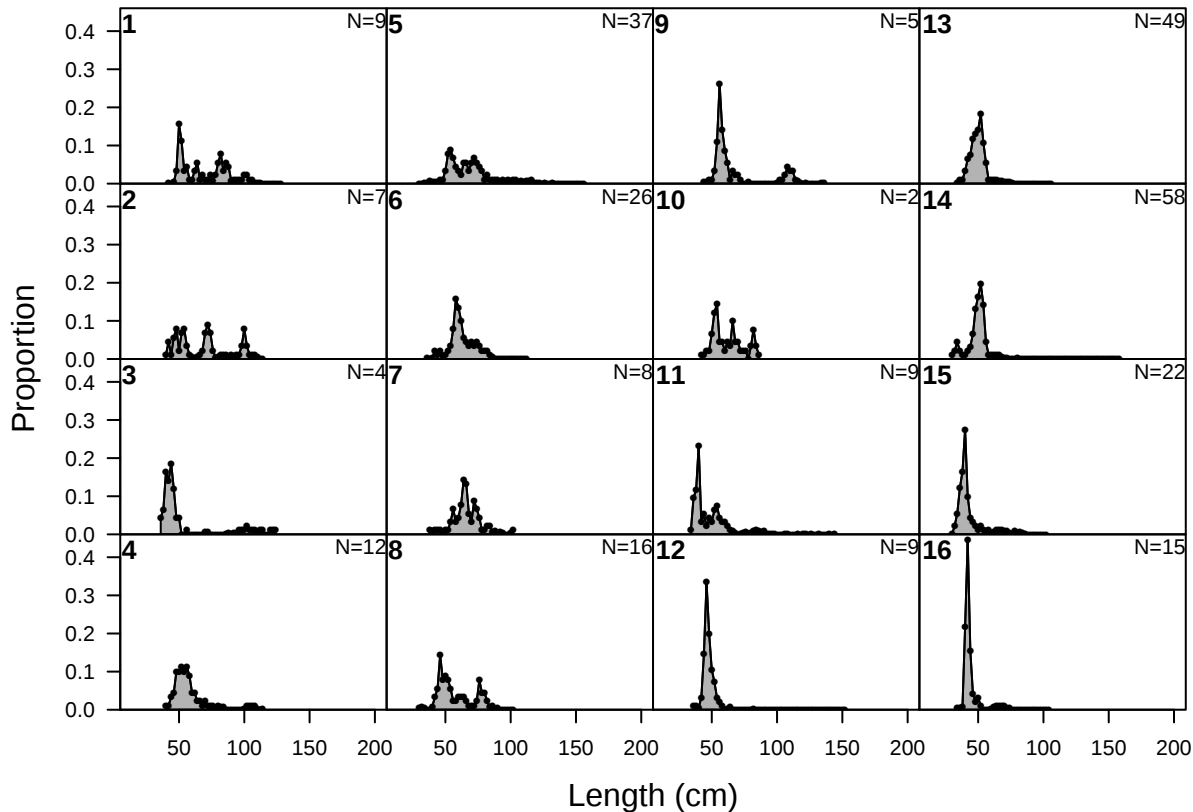
length comp data, whole catch, F2-OBJ_C (max=0.56)



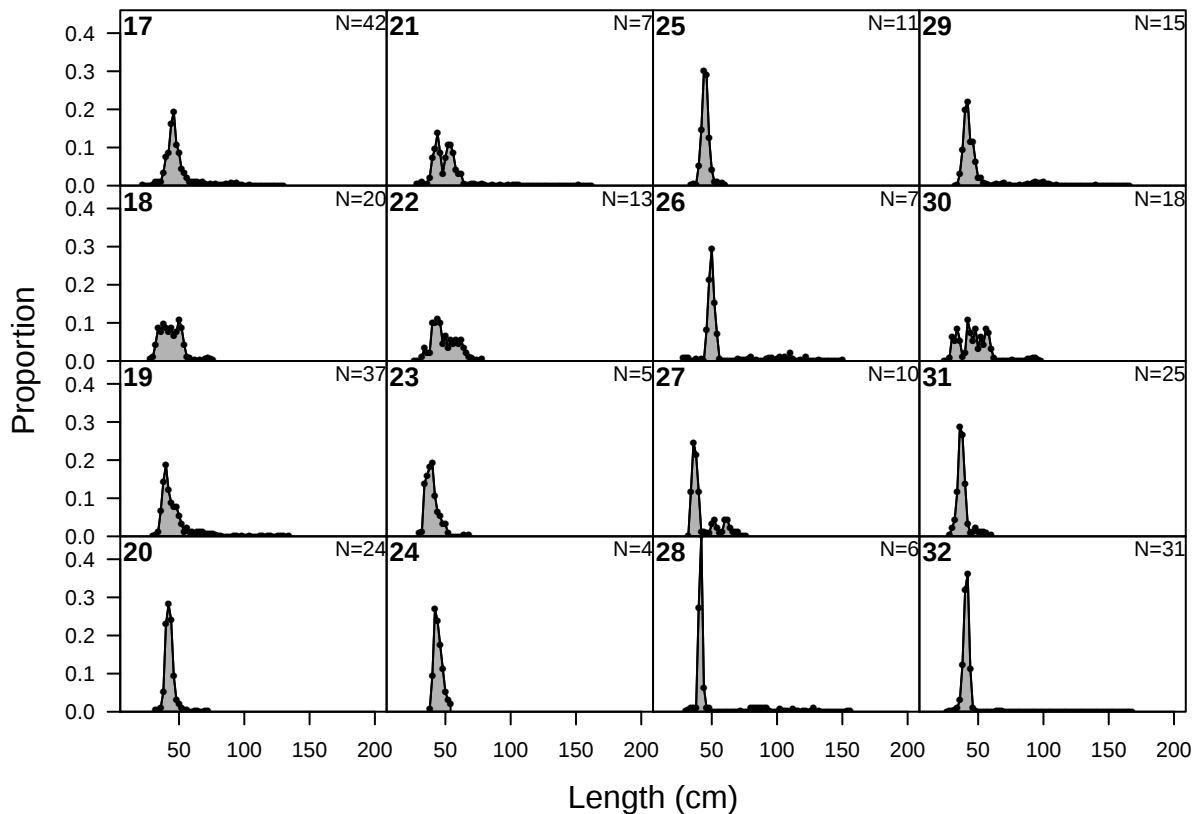
F2-OBJ_C (whole catch)



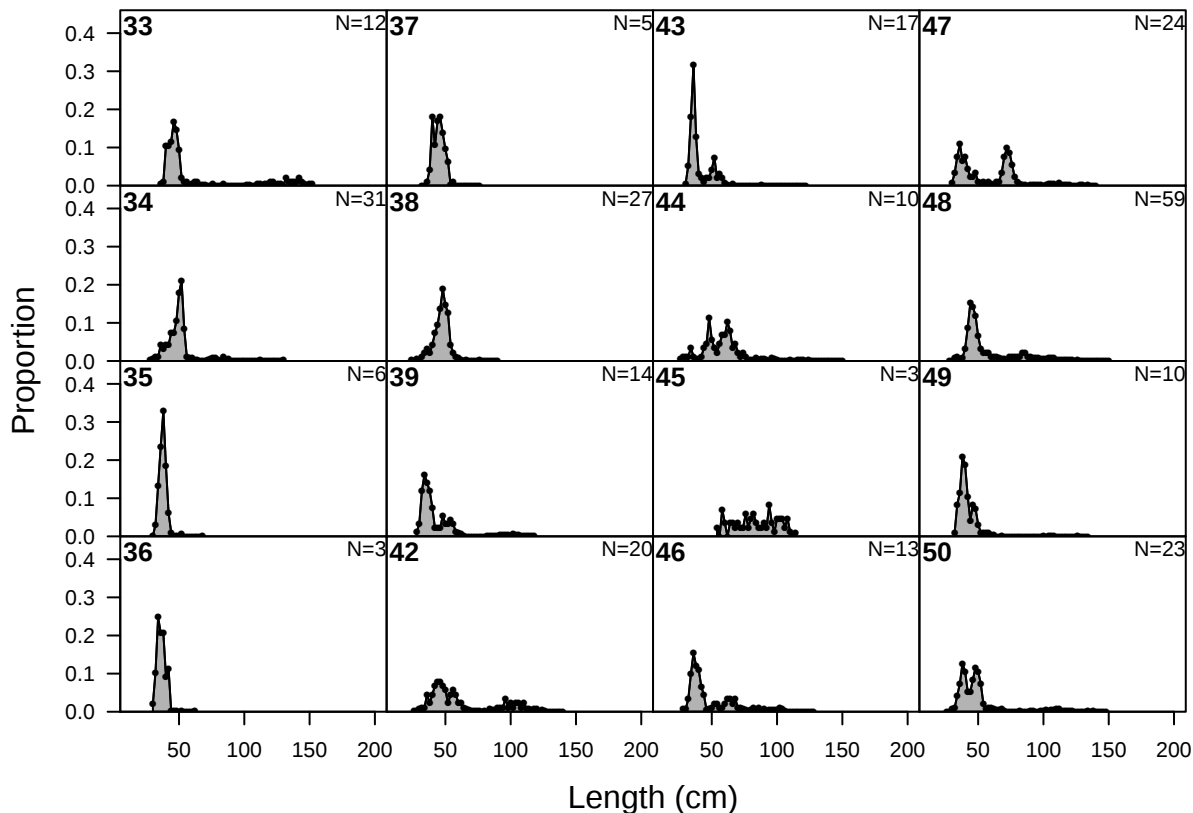
length comp data, whole catch, F3-OBJ_I



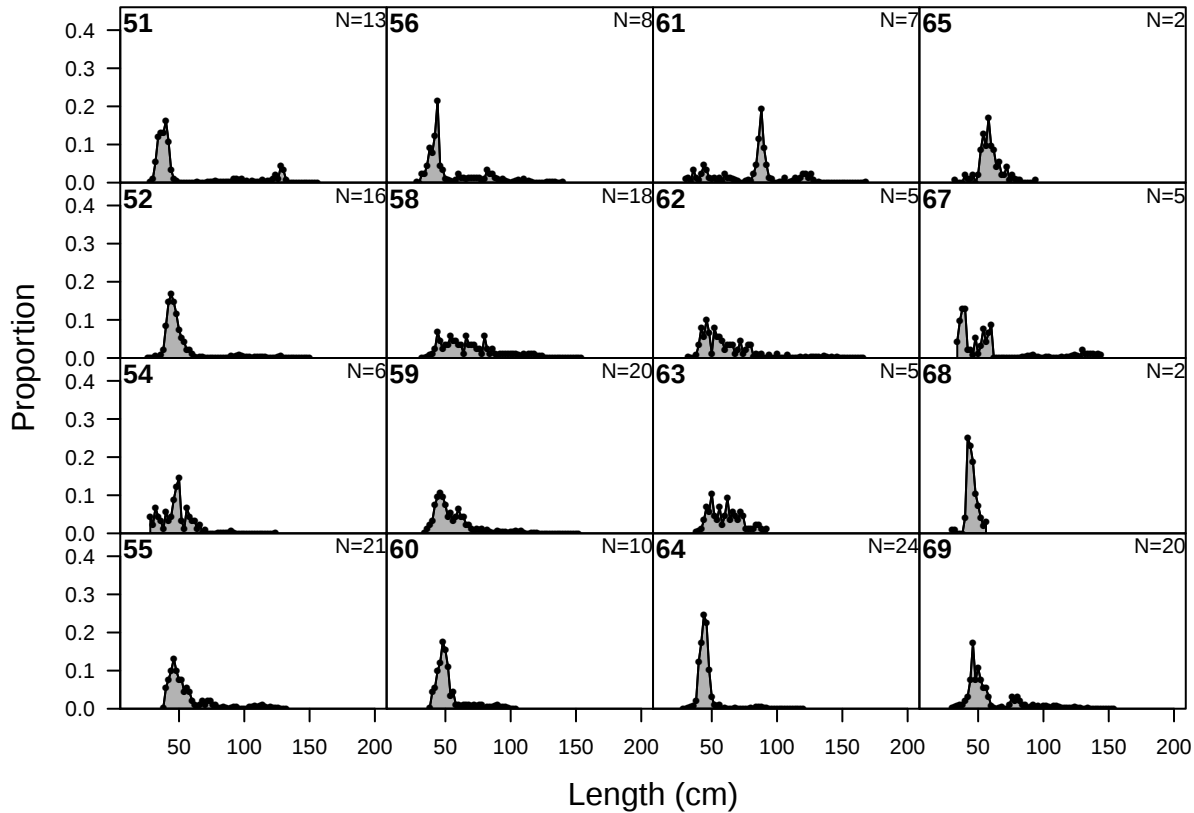
length comp data, whole catch, F3-OBJ_I



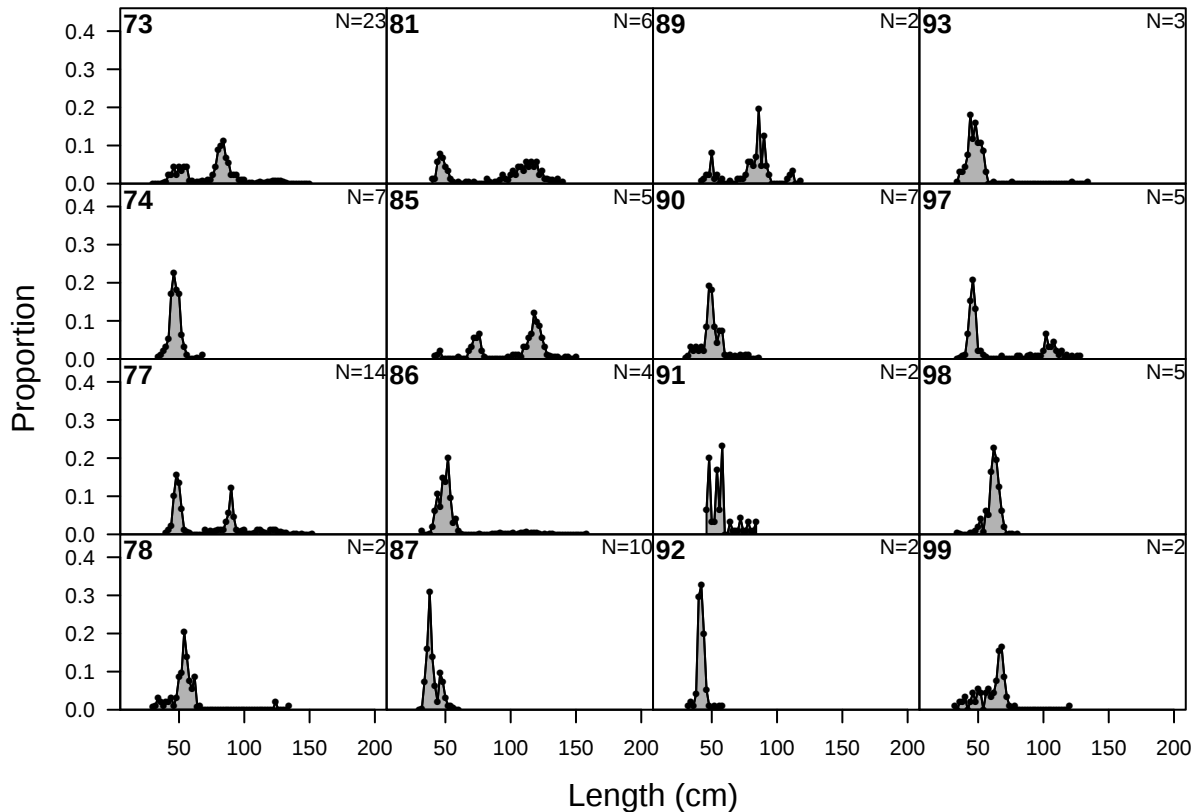
length comp data, whole catch, F3-OBJ_I



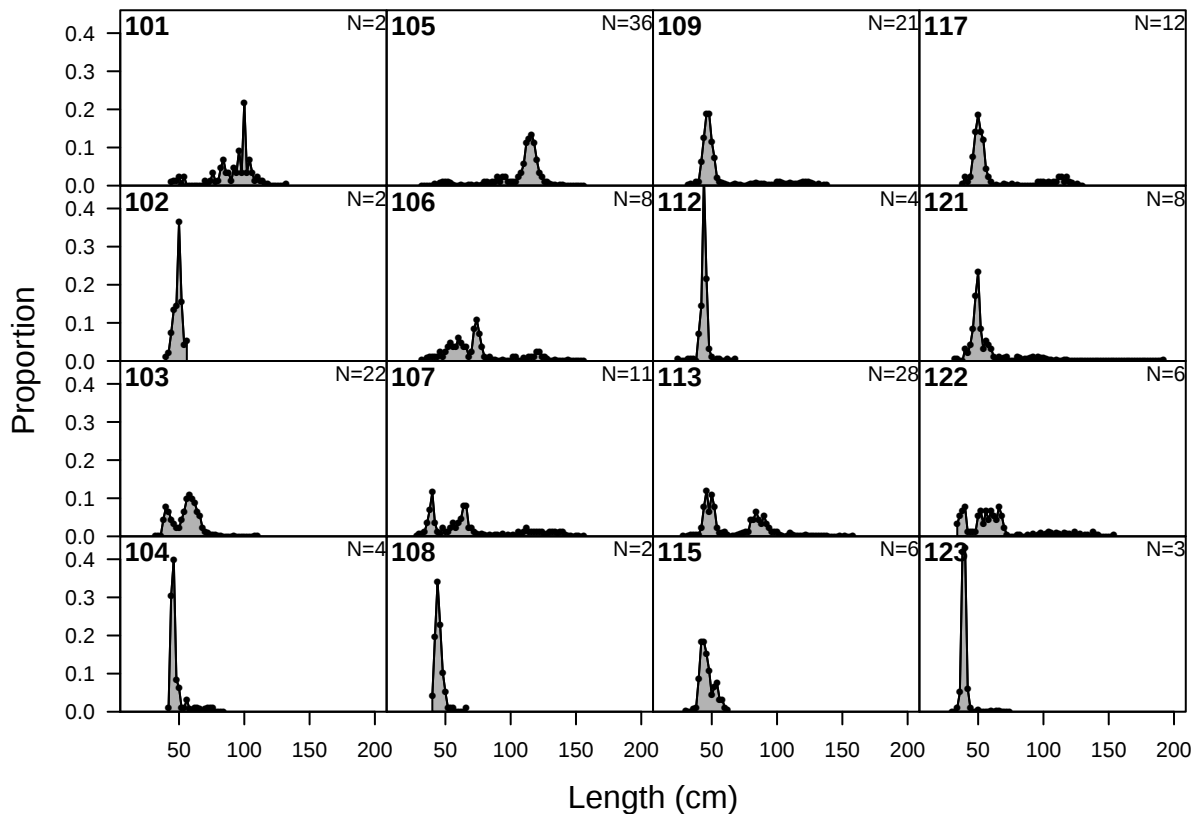
length comp data, whole catch, F3-OBJ_I



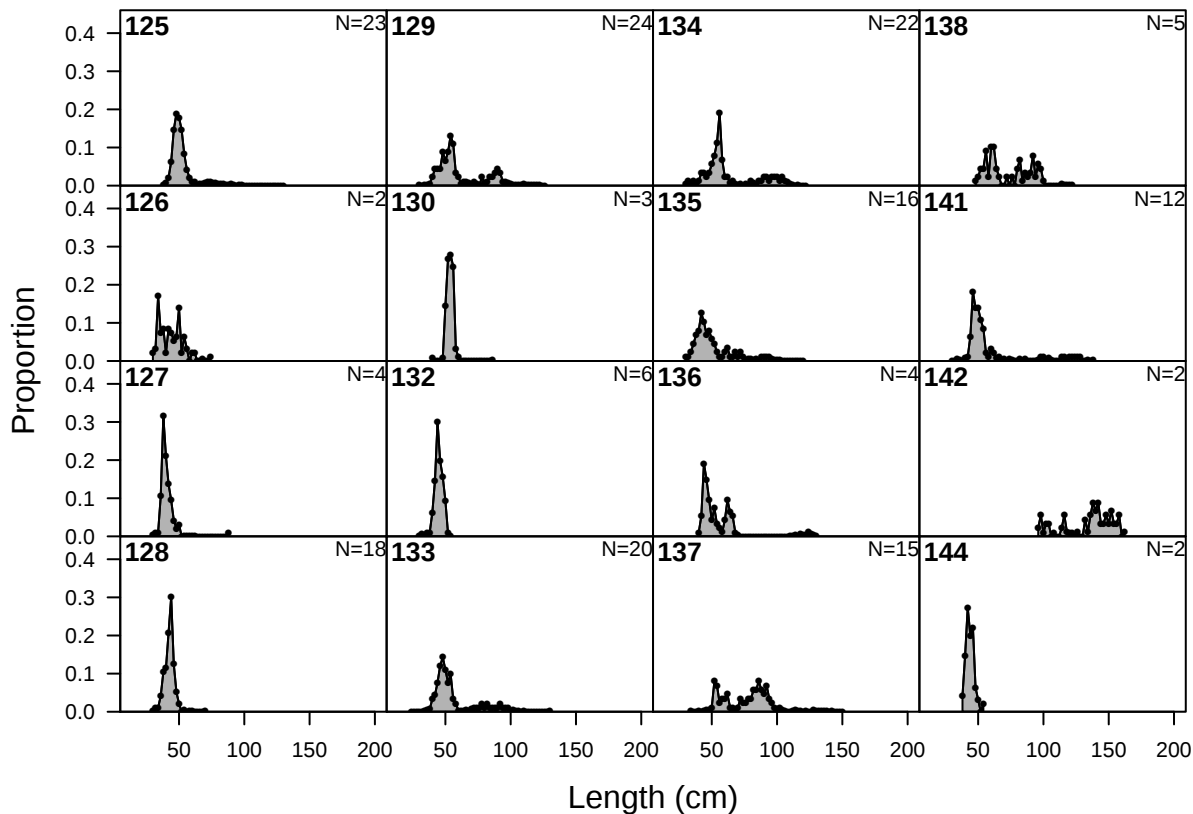
length comp data, whole catch, F3-OBJ_I



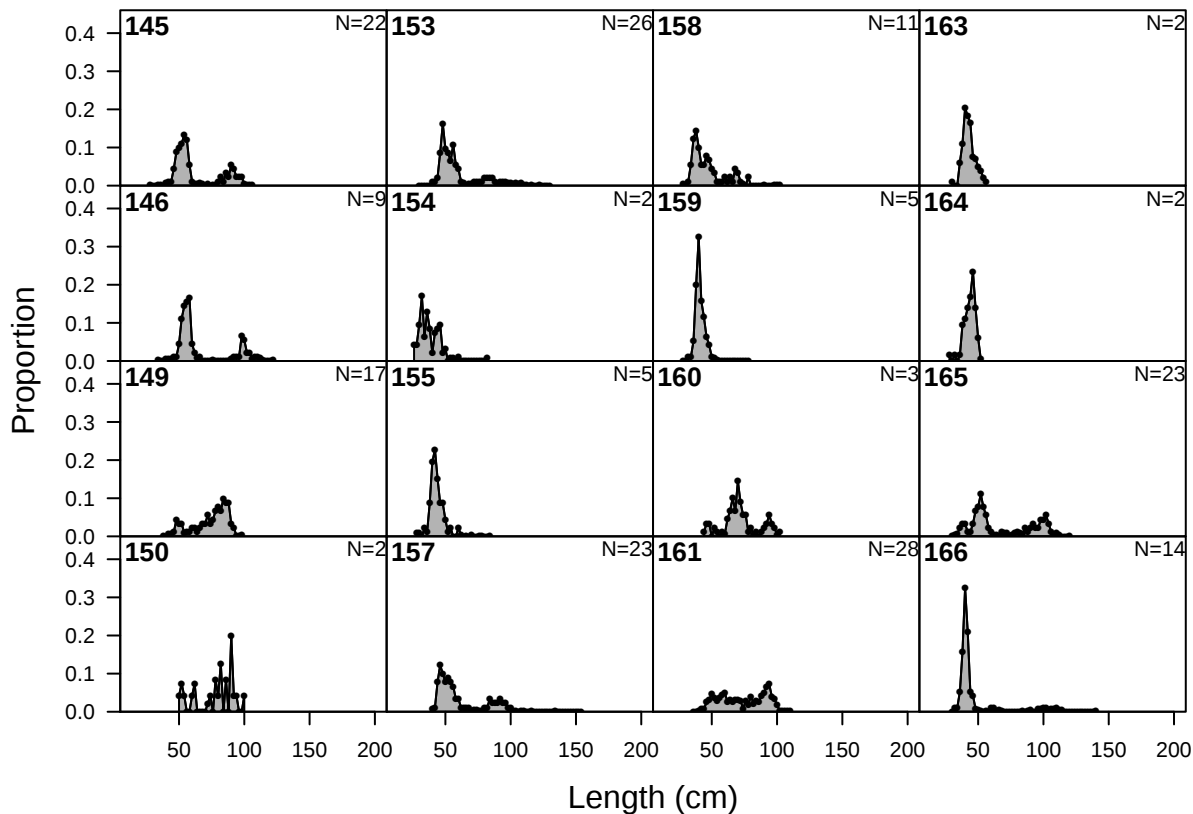
length comp data, whole catch, F3-OBJ_I



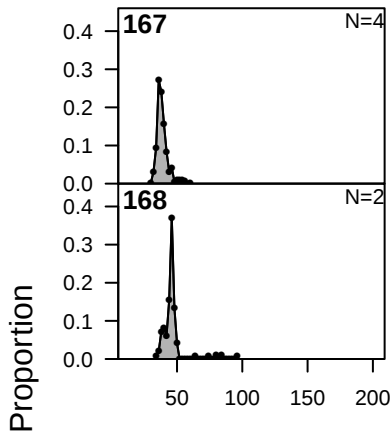
length comp data, whole catch, F3-OBJ_I



length comp data, whole catch, F3-OBJ_I

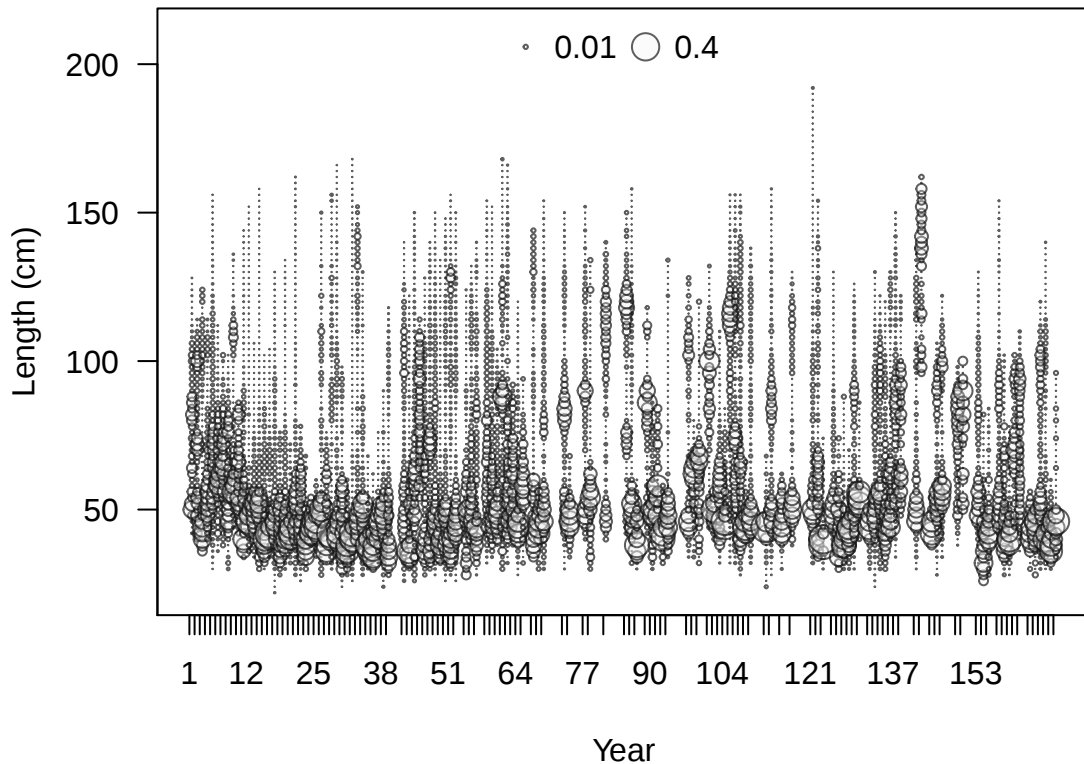


length comp data, whole catch, F3-OBJ_I

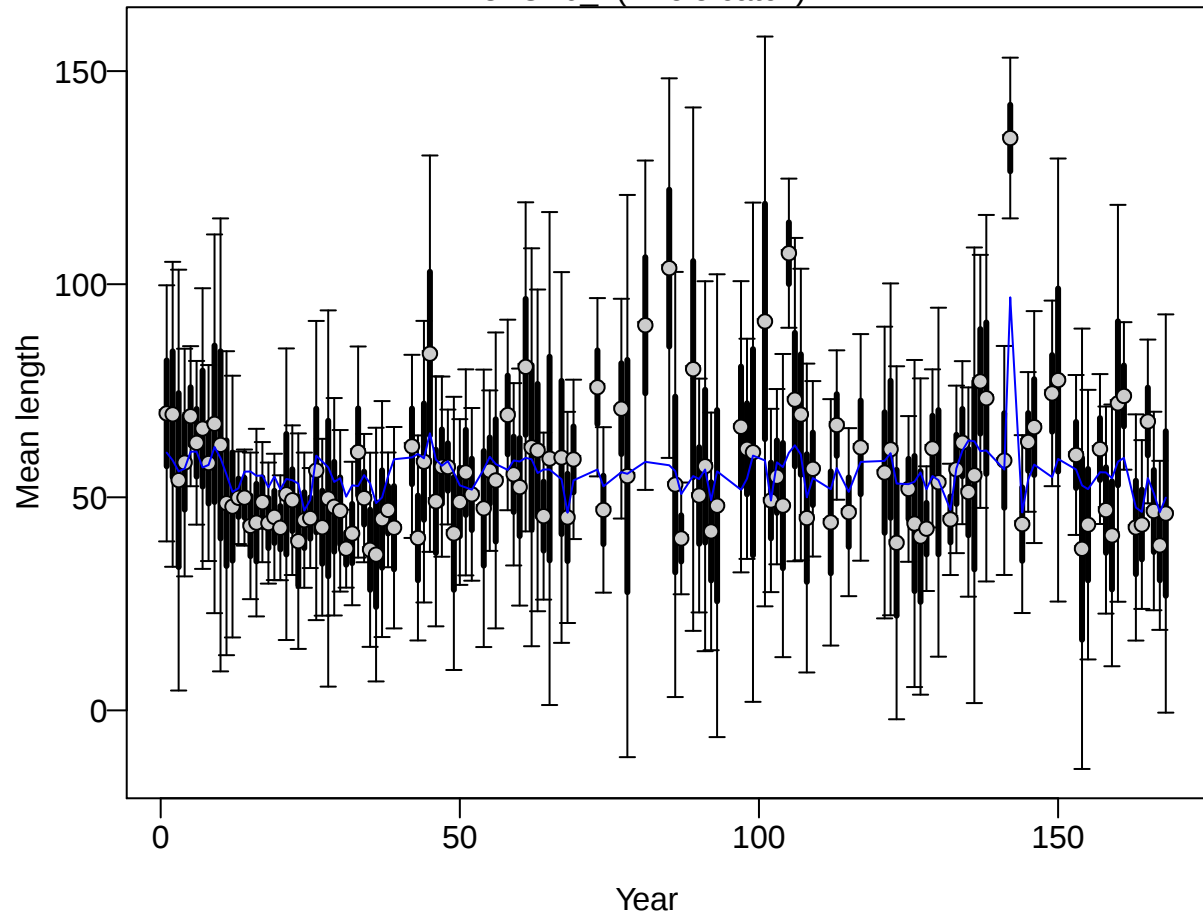


Length (cm)

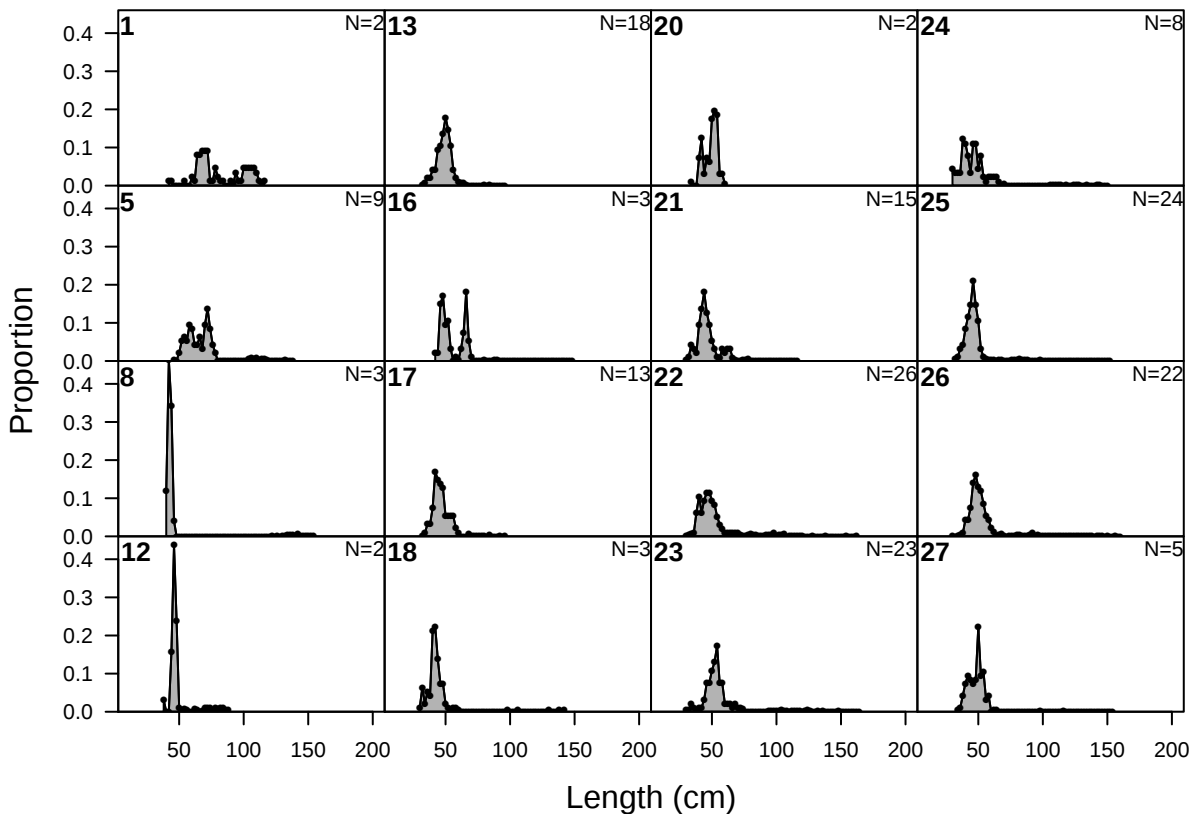
length comp data, whole catch, F3-OBJ_I (max=0.48)



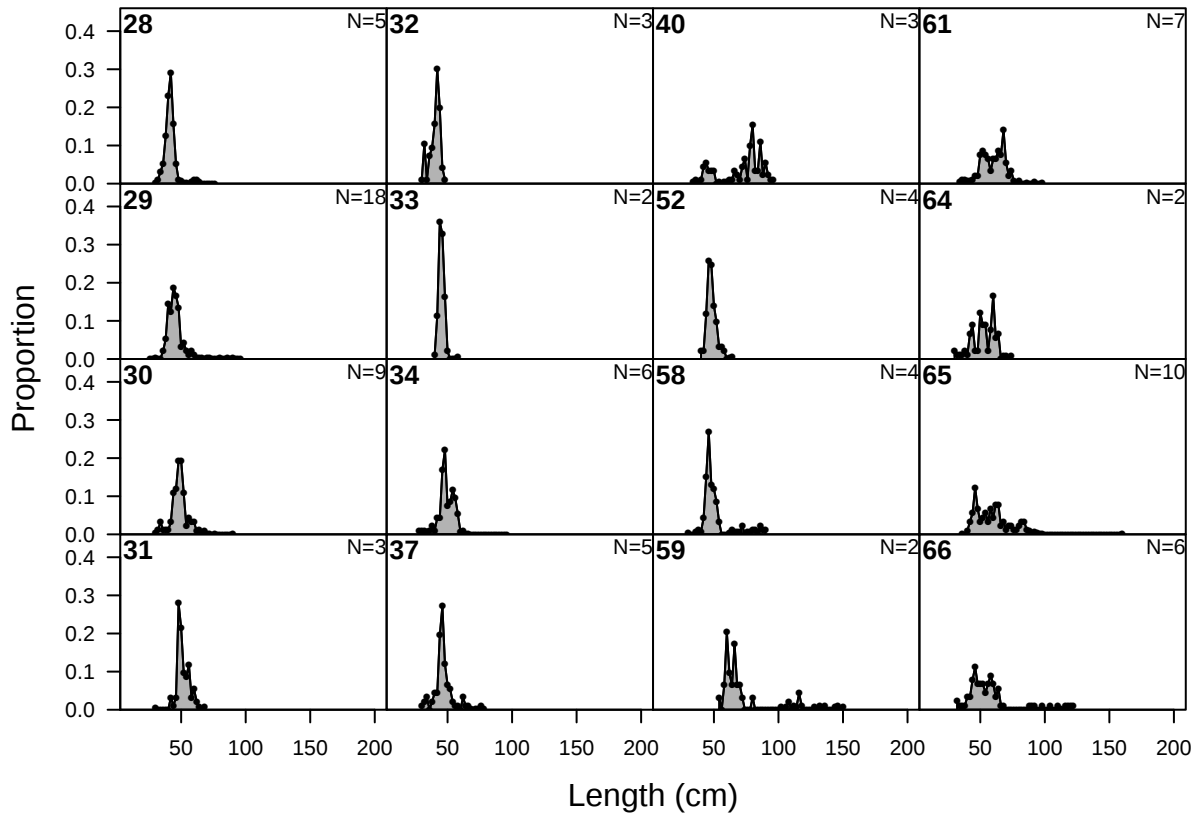
F3-OBJ I (whole catch)



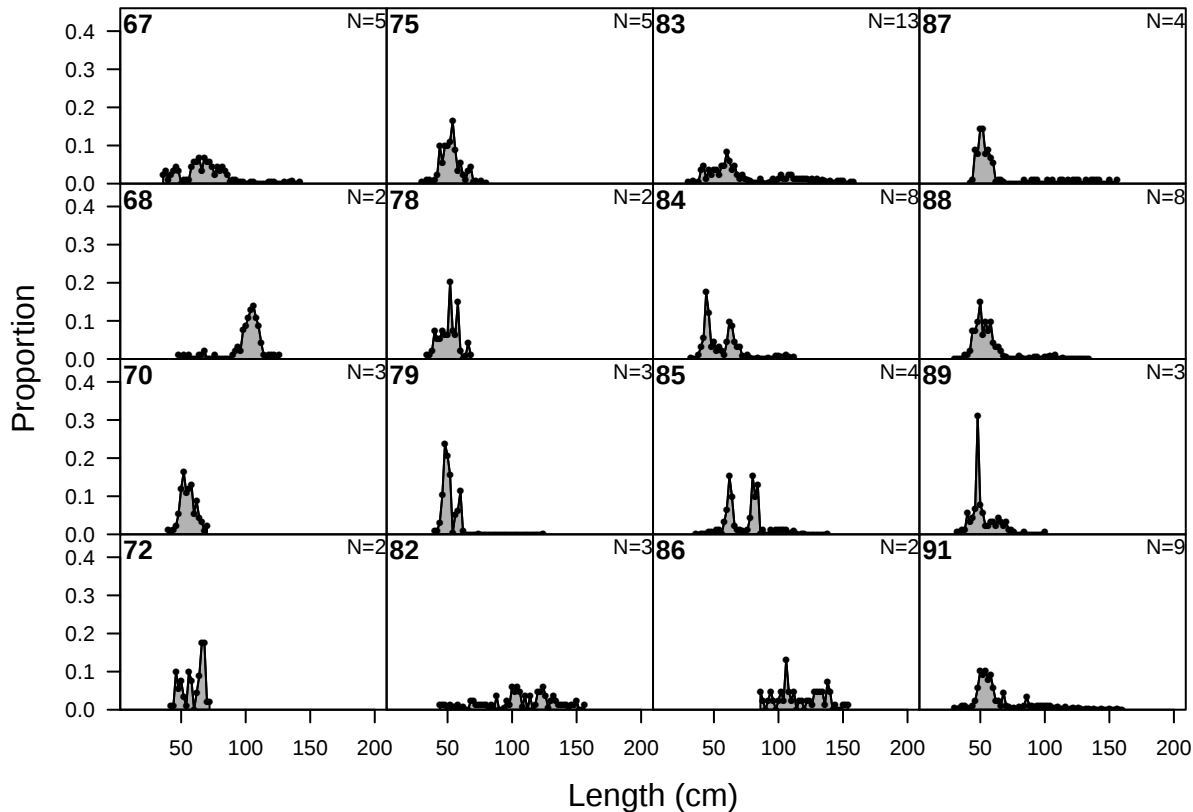
length comp data, whole catch, F4-OBJ_N



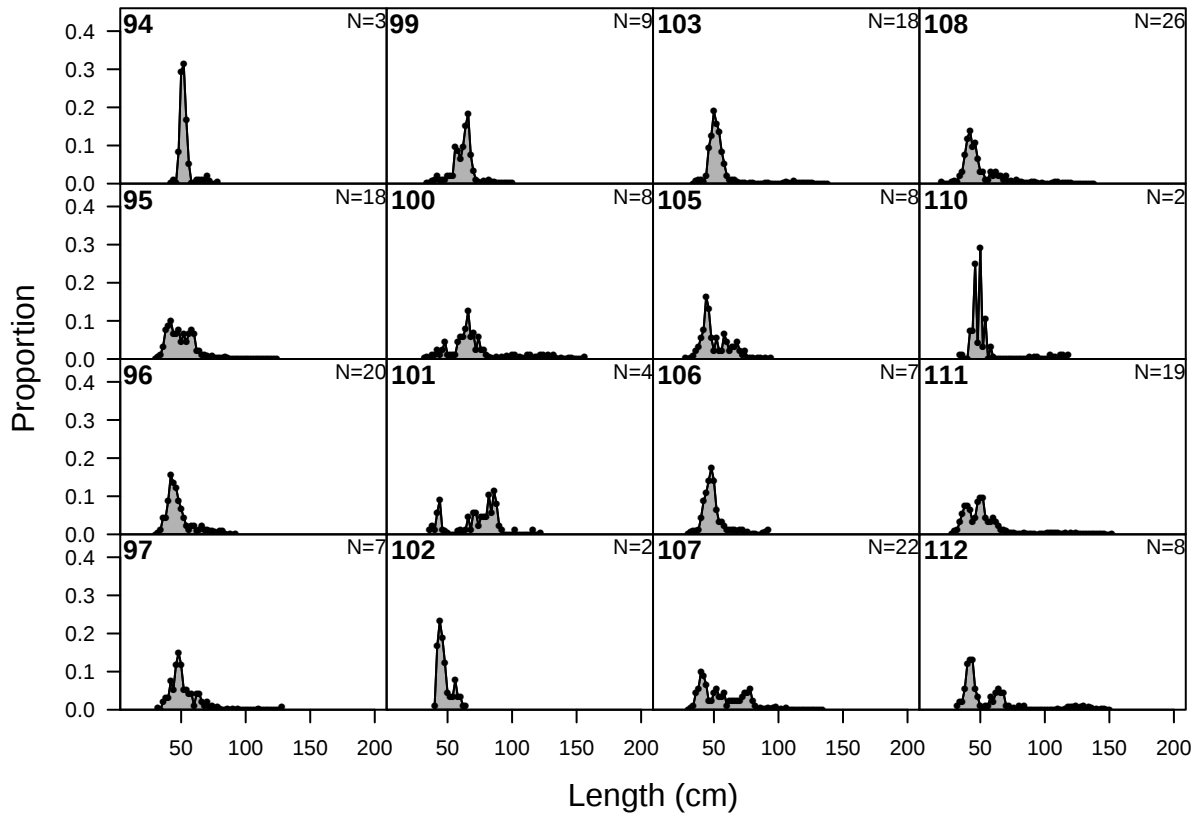
length comp data, whole catch, F4-OBJ_N



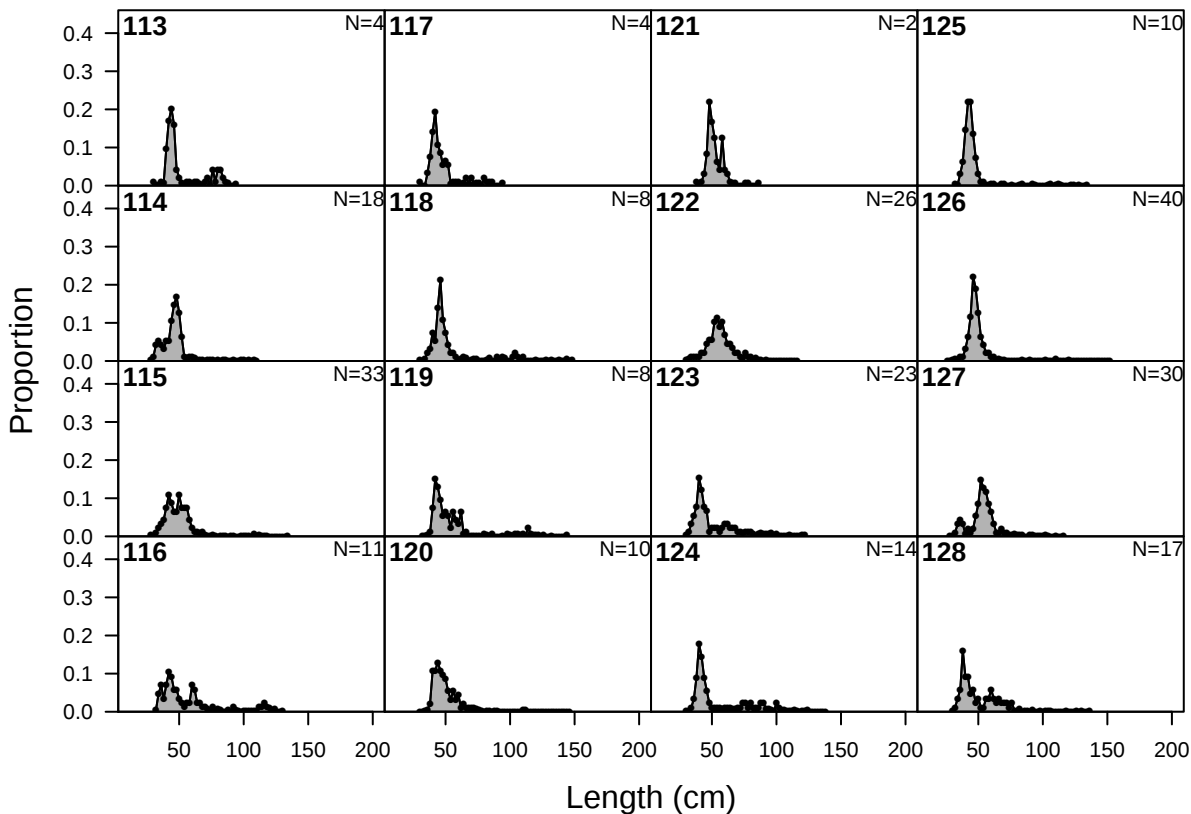
length comp data, whole catch, F4-OBJ_N



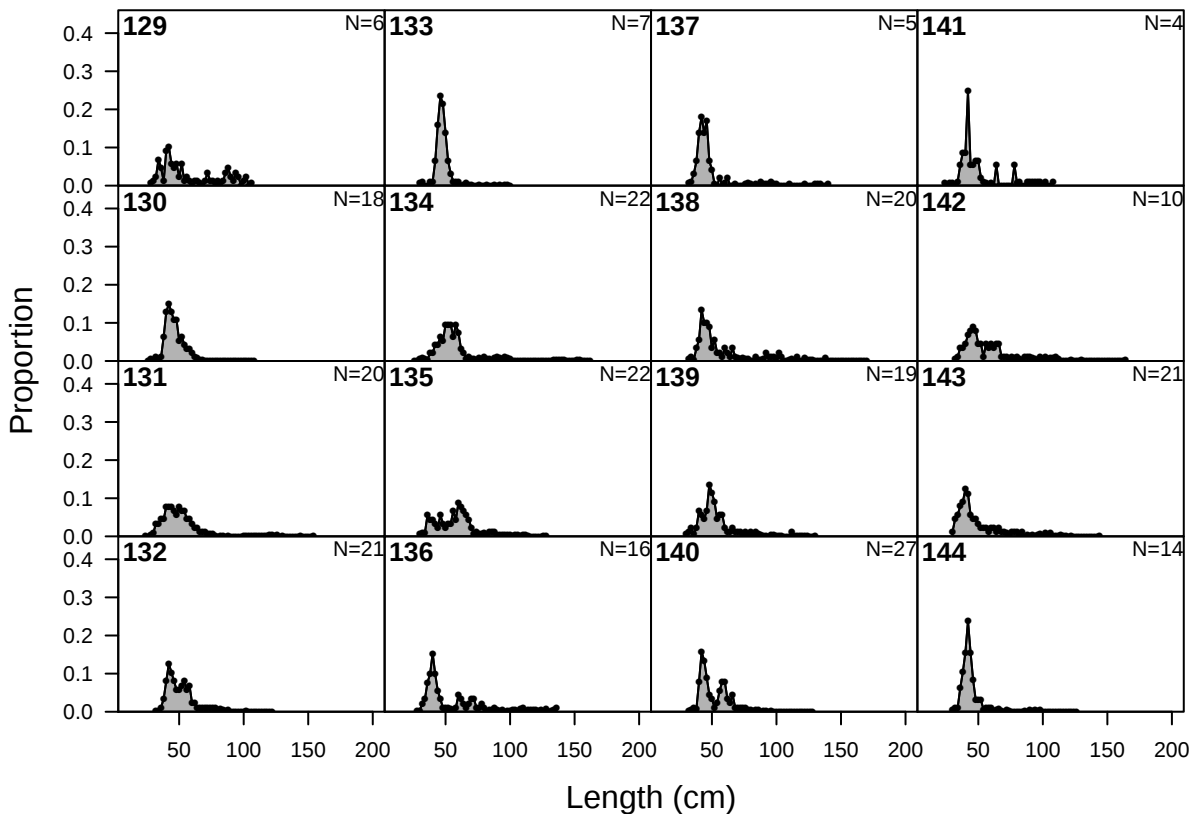
length comp data, whole catch, F4-OBJ_N



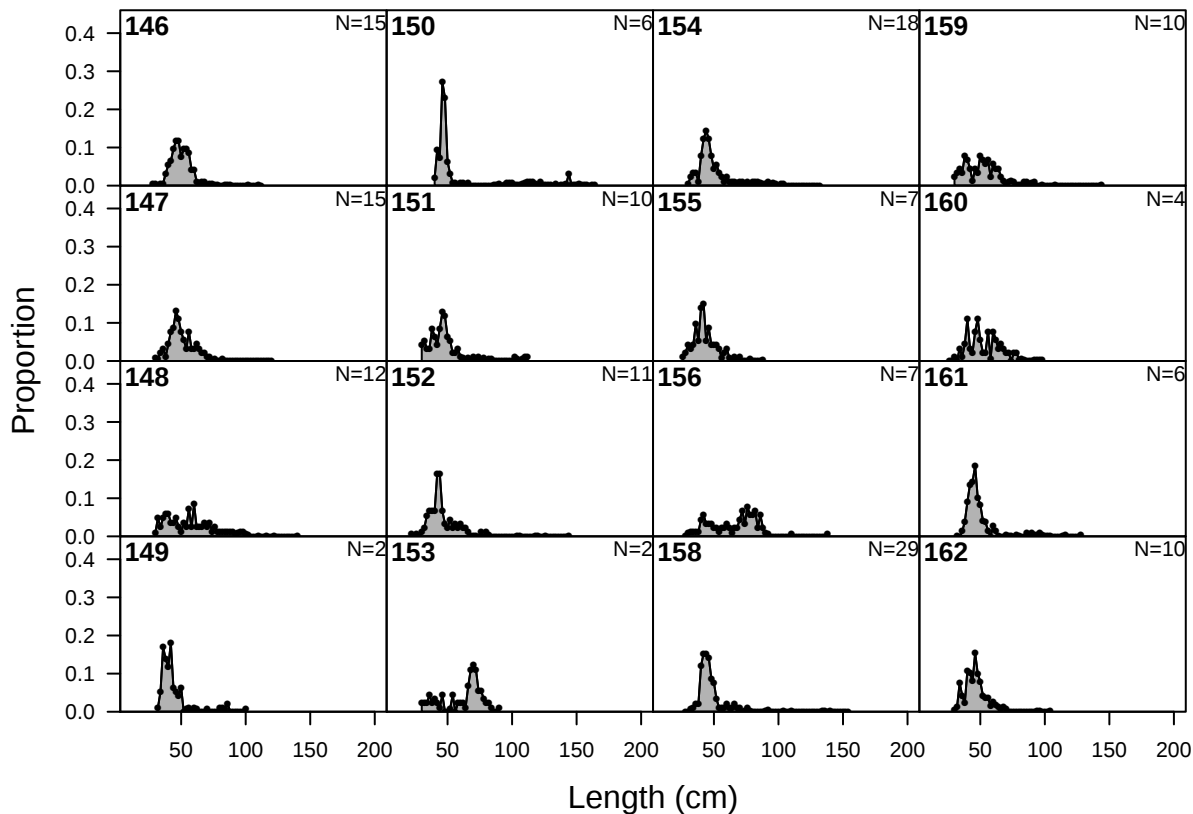
length comp data, whole catch, F4-OBJ_N



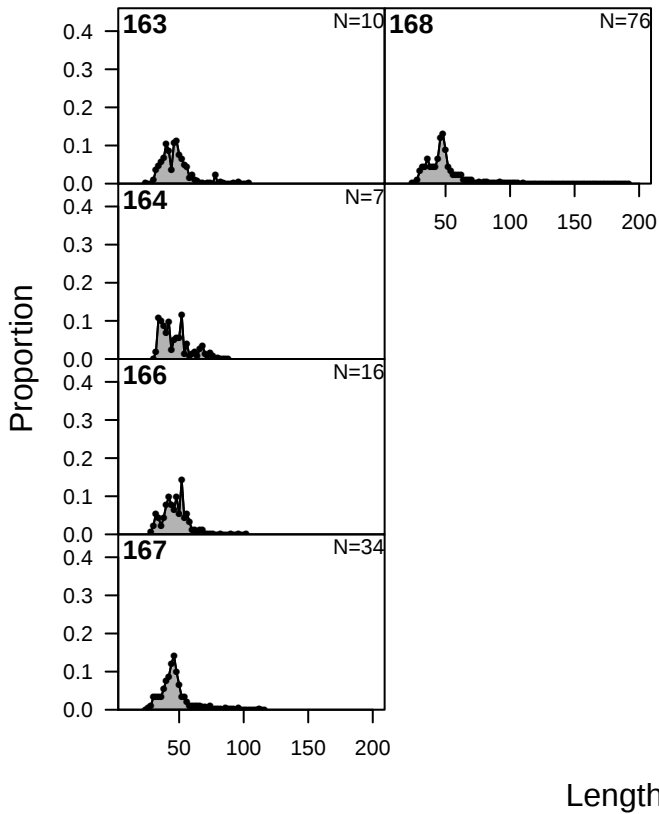
length comp data, whole catch, F4-OBJ_N



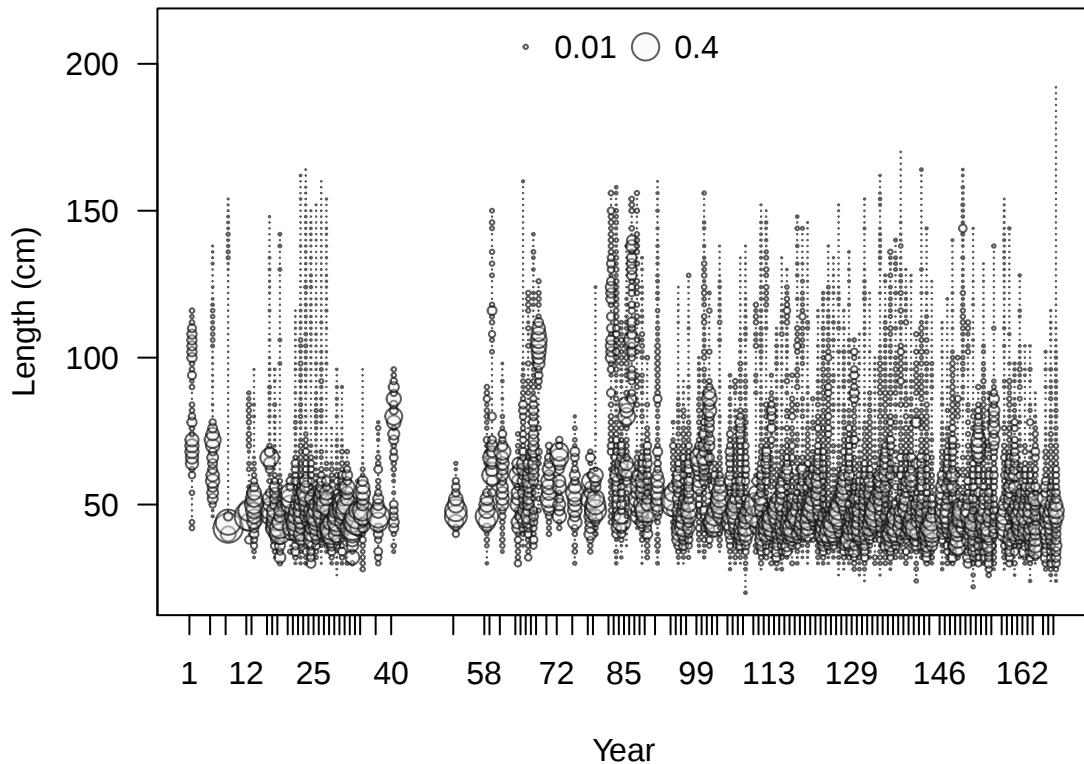
length comp data, whole catch, F4-OBJ_N



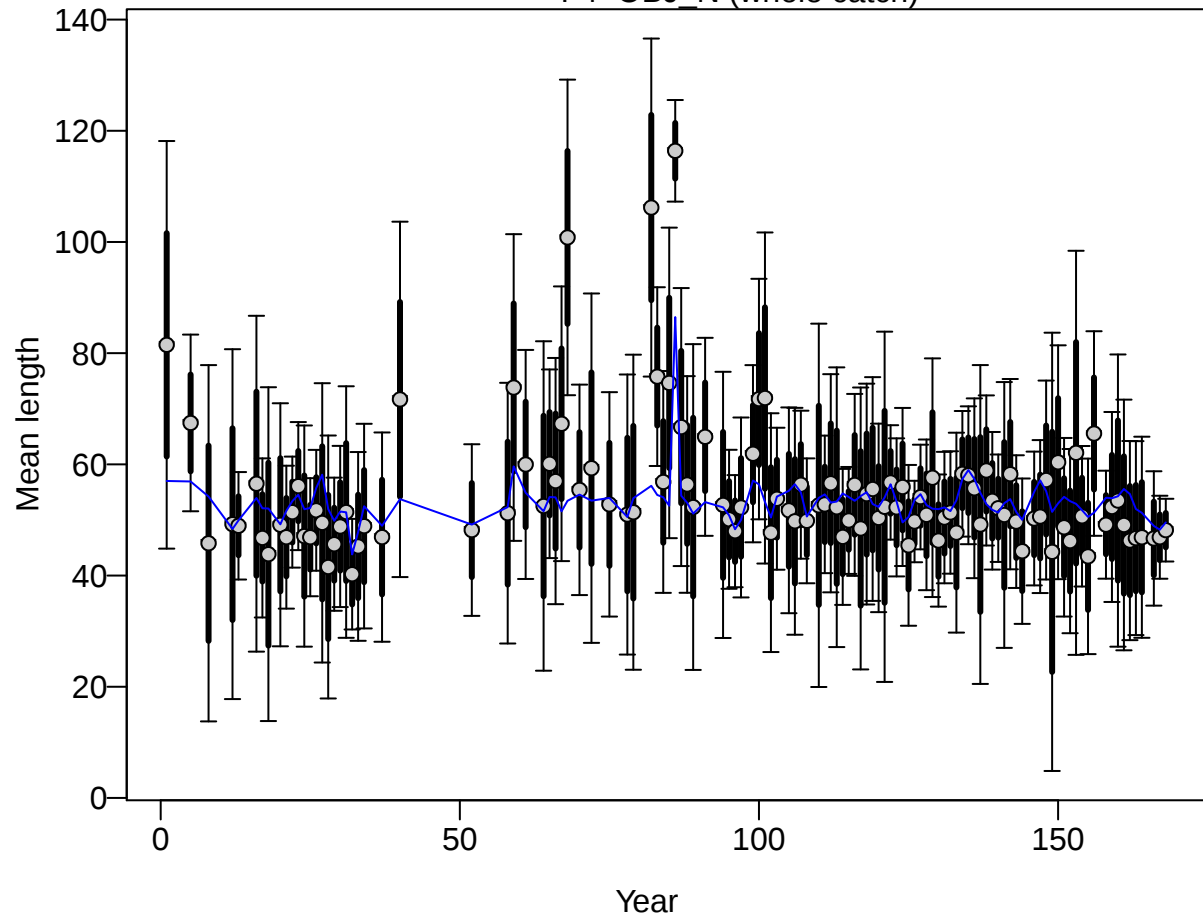
length comp data, whole catch, F4-OBJ_N



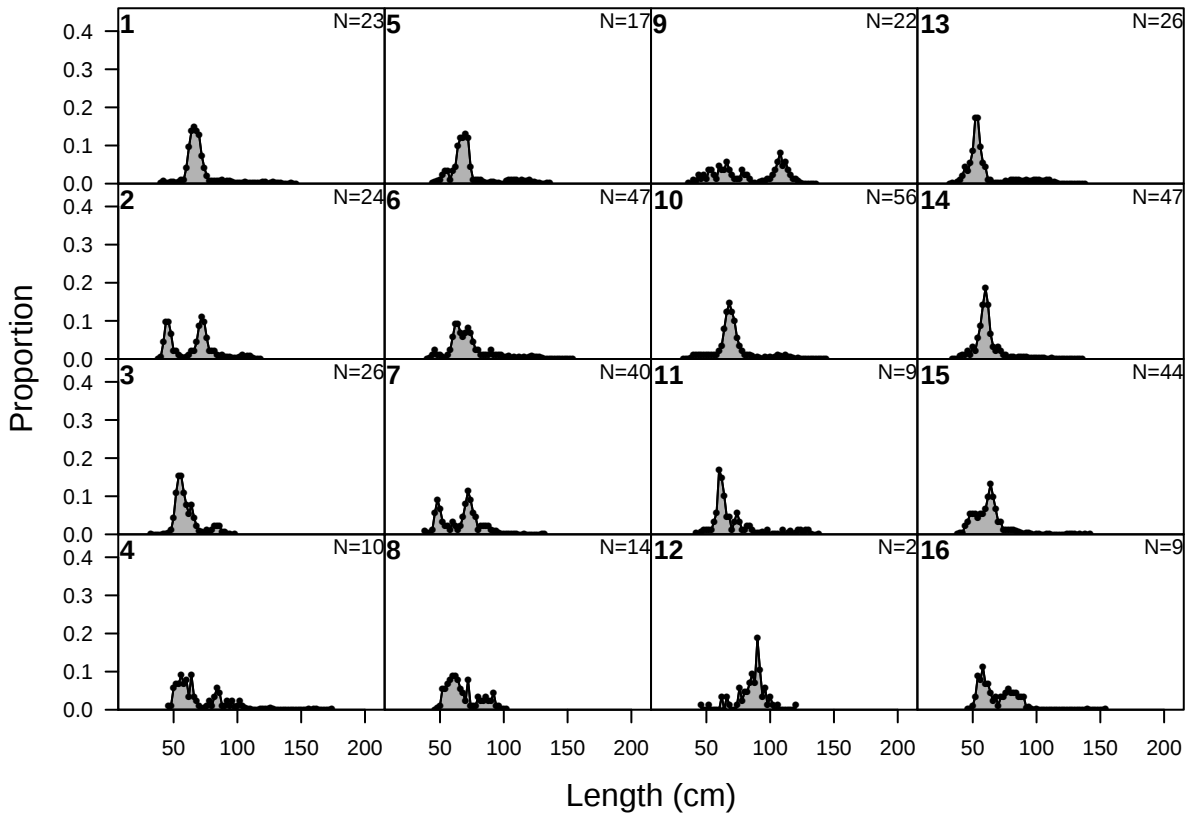
length comp data, whole catch, F4-OBJ_N (max=0.46)



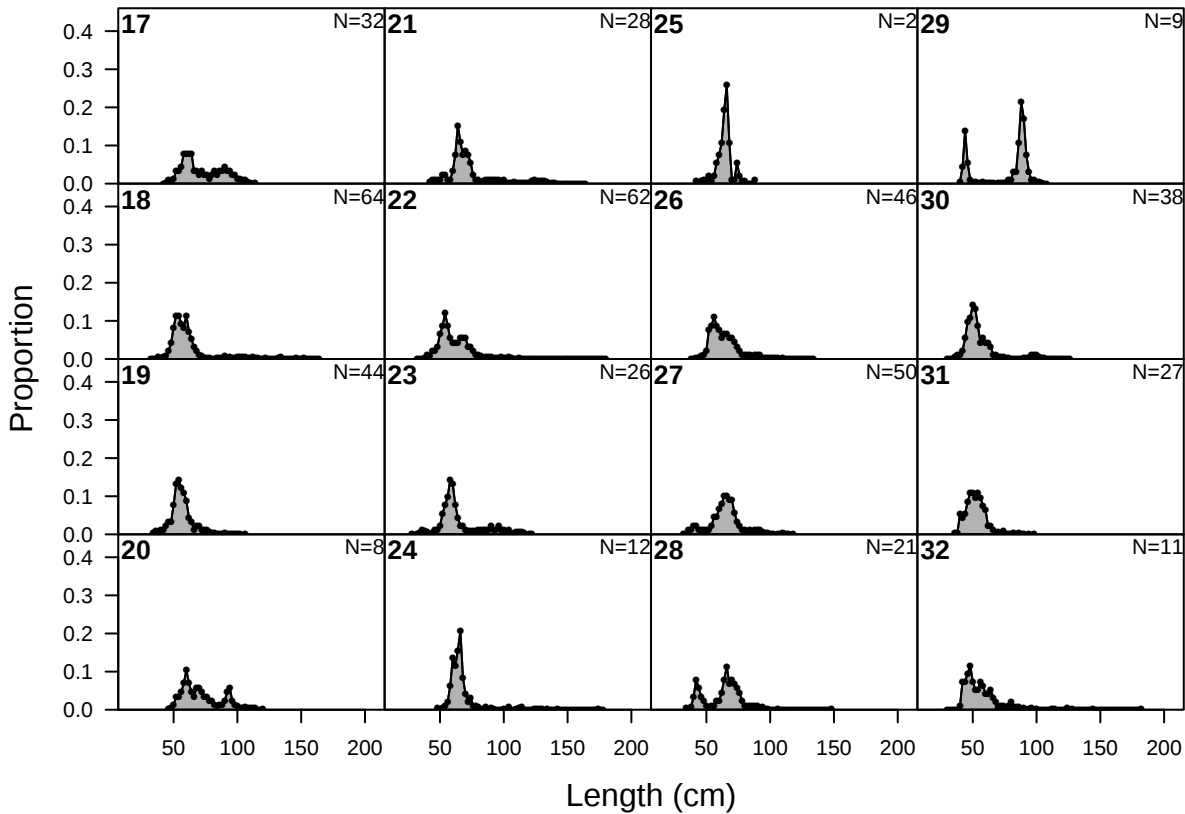
F4-OBJ_N (whole catch)



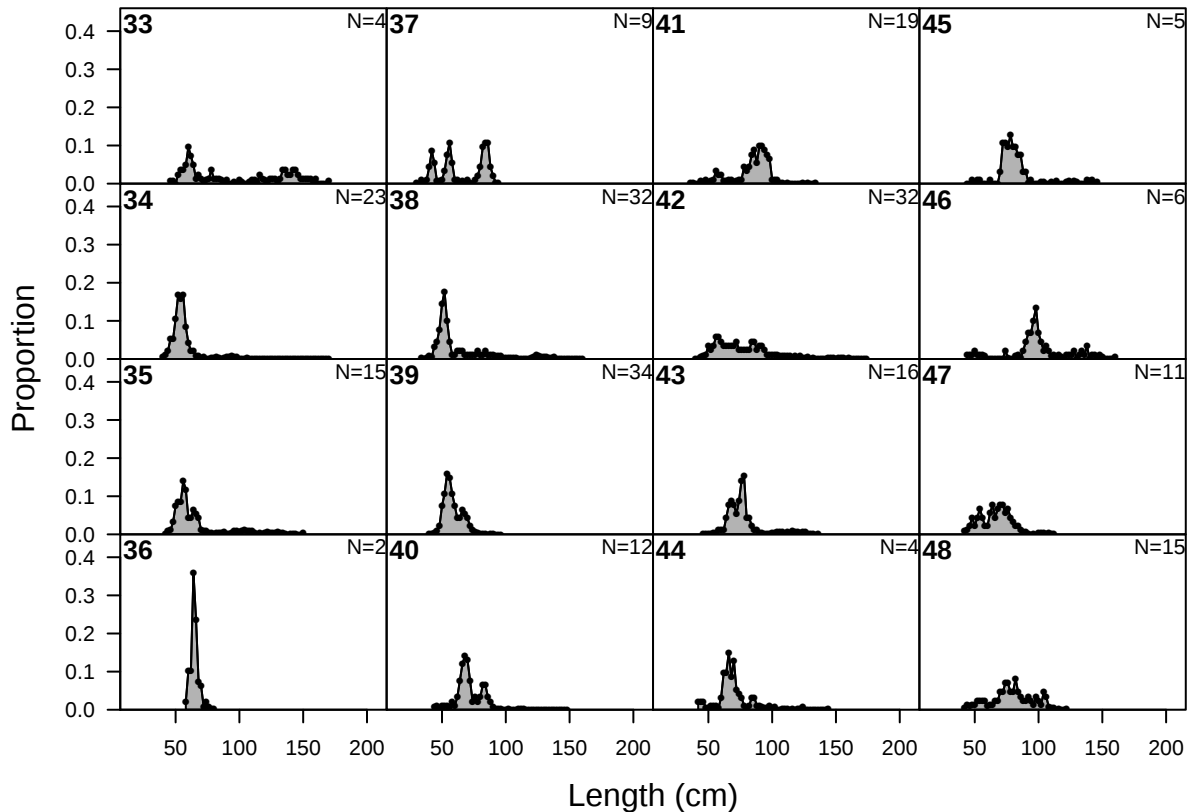
length comp data, whole catch, F5-NOA_N



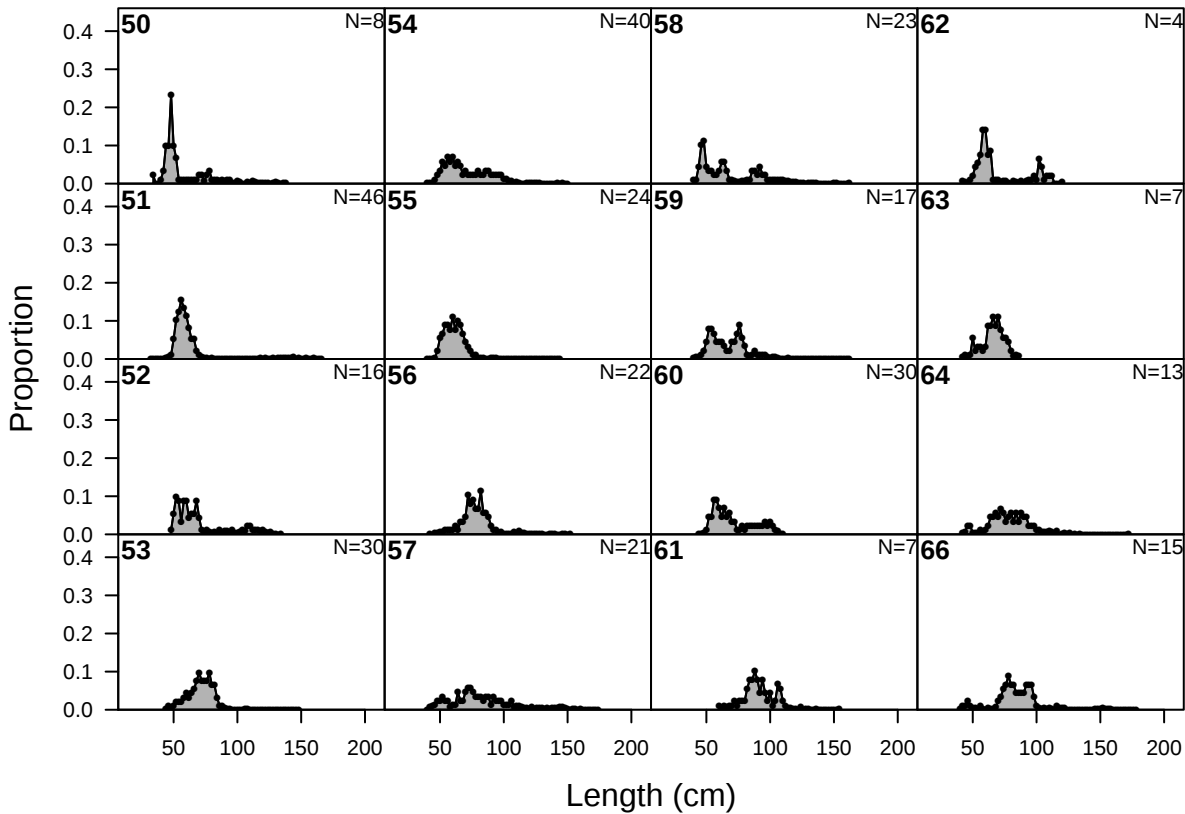
length comp data, whole catch, F5-NOA_N



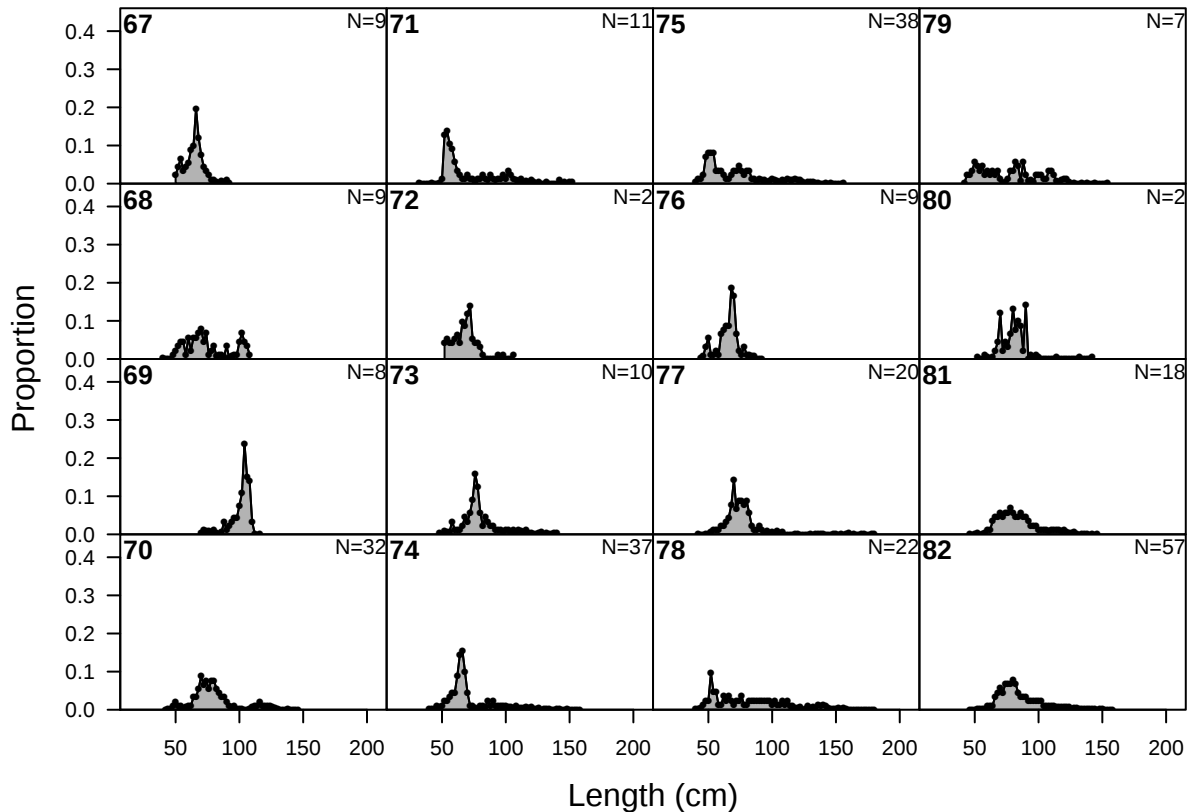
length comp data, whole catch, F5-NOA_N



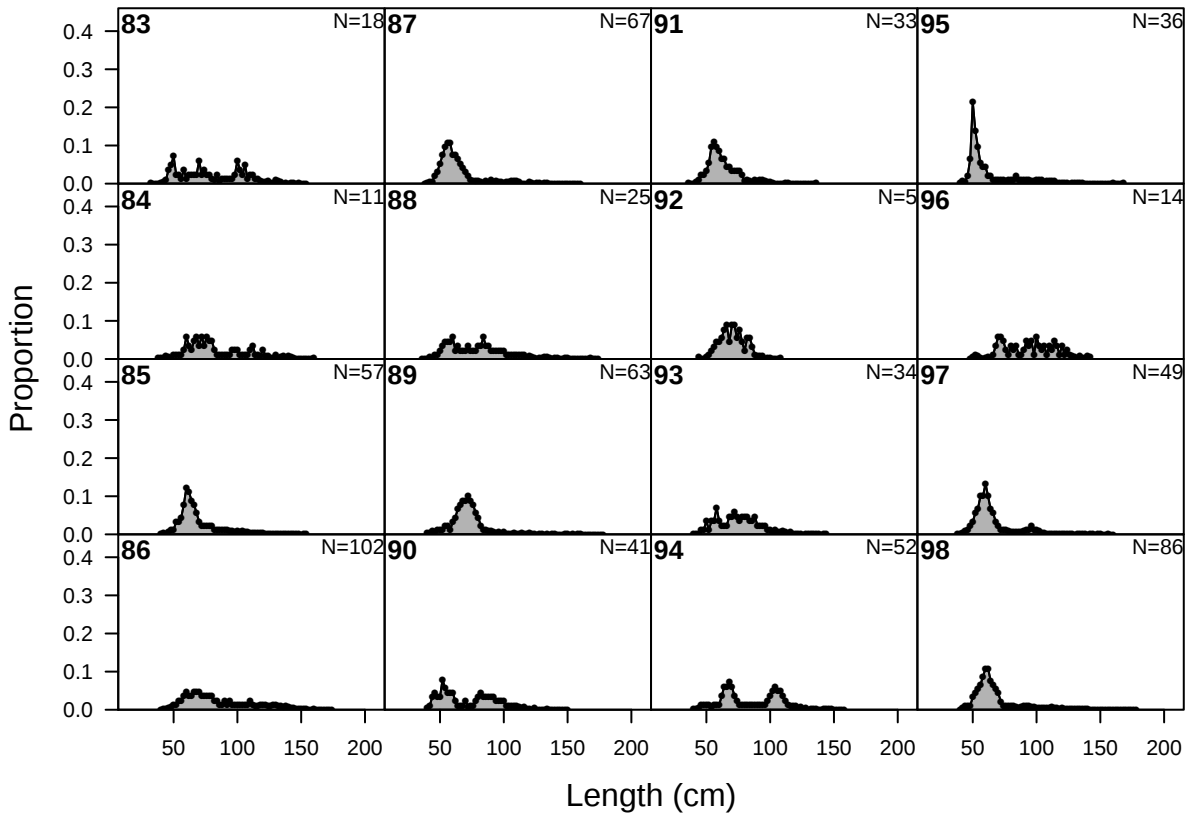
length comp data, whole catch, F5-NOA_N



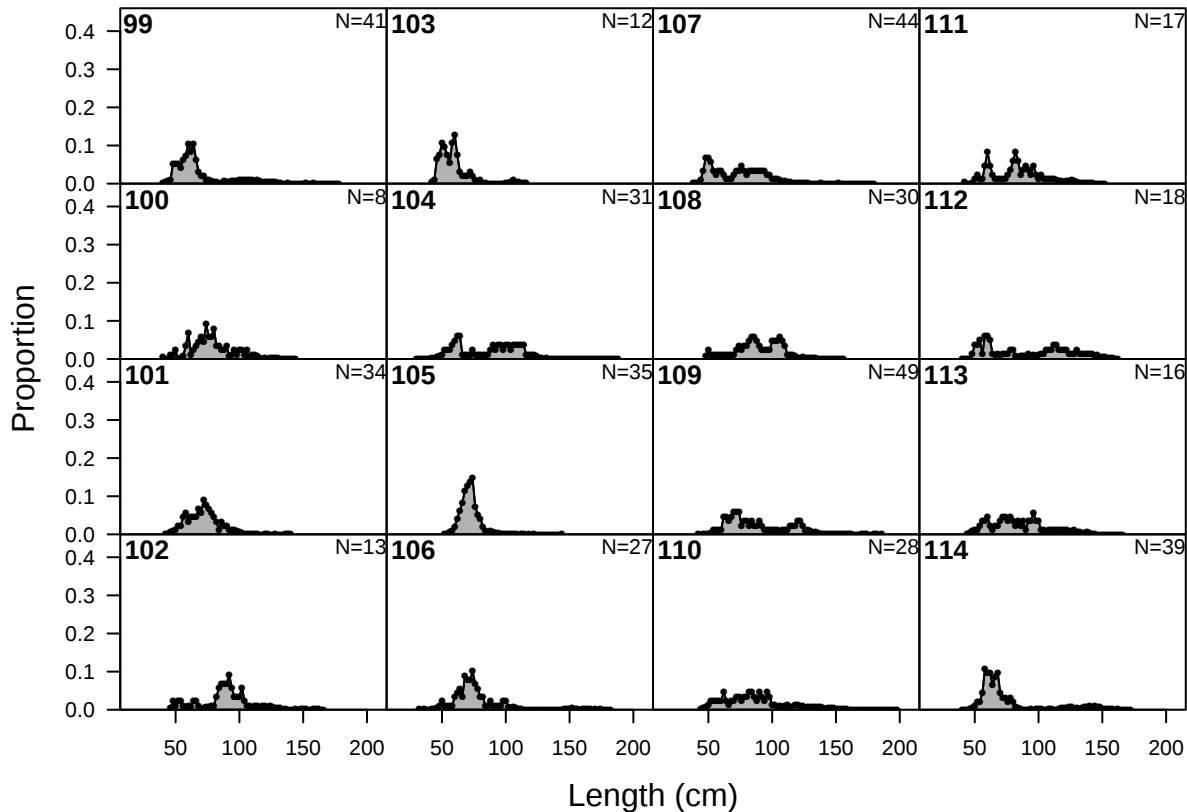
length comp data, whole catch, F5-NOA_N



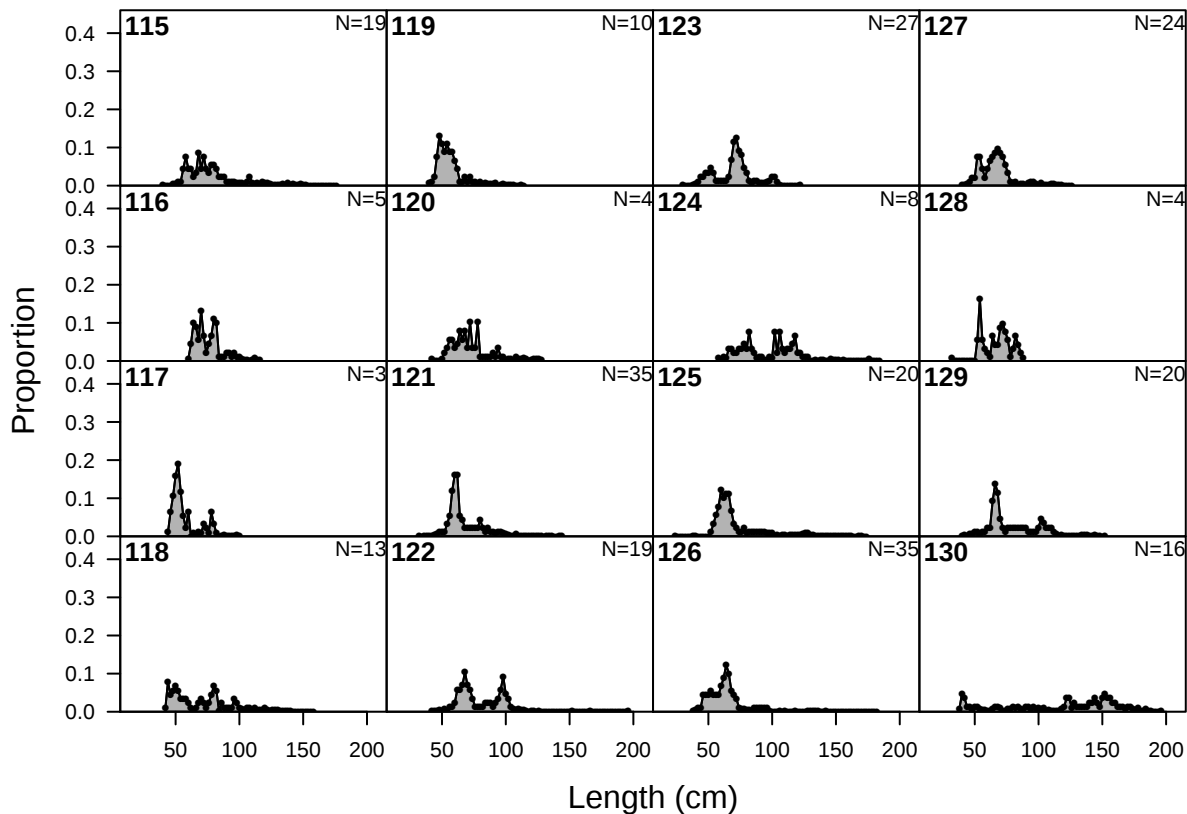
length comp data, whole catch, F5-NOA_N



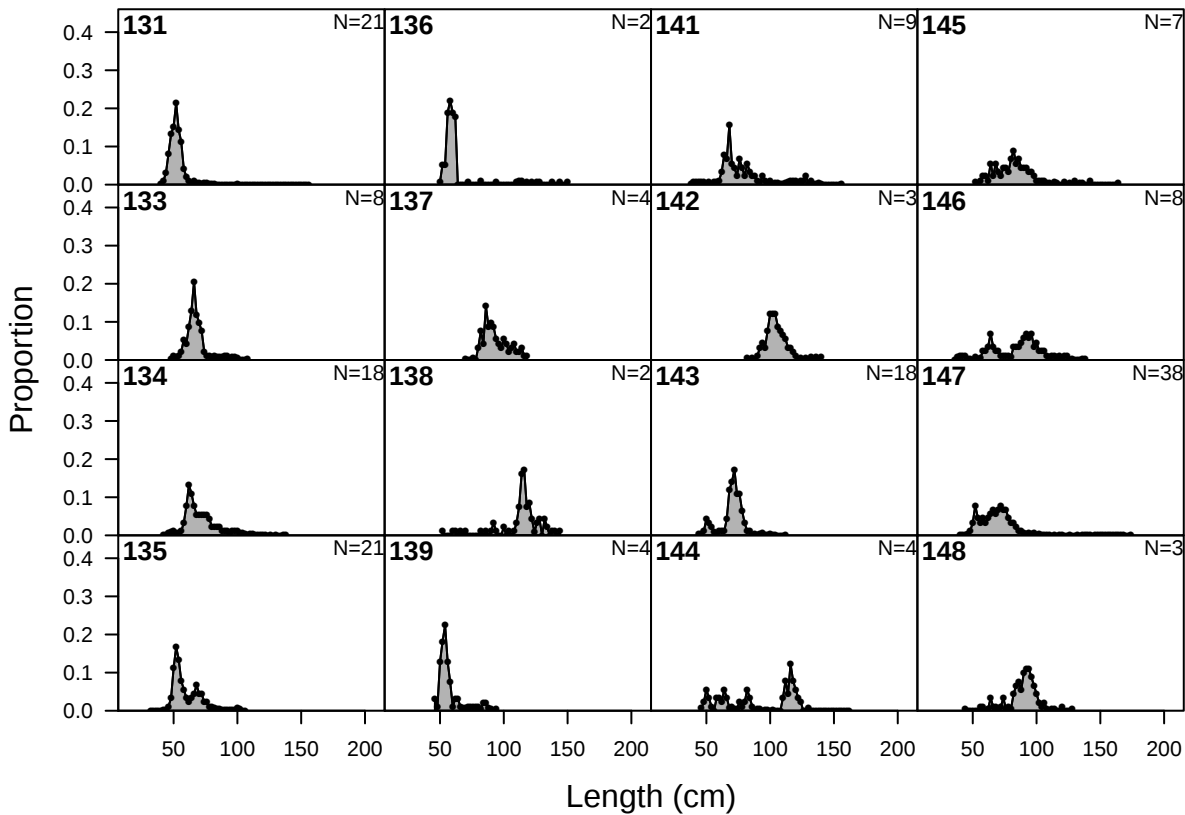
length comp data, whole catch, F5-NOA_N



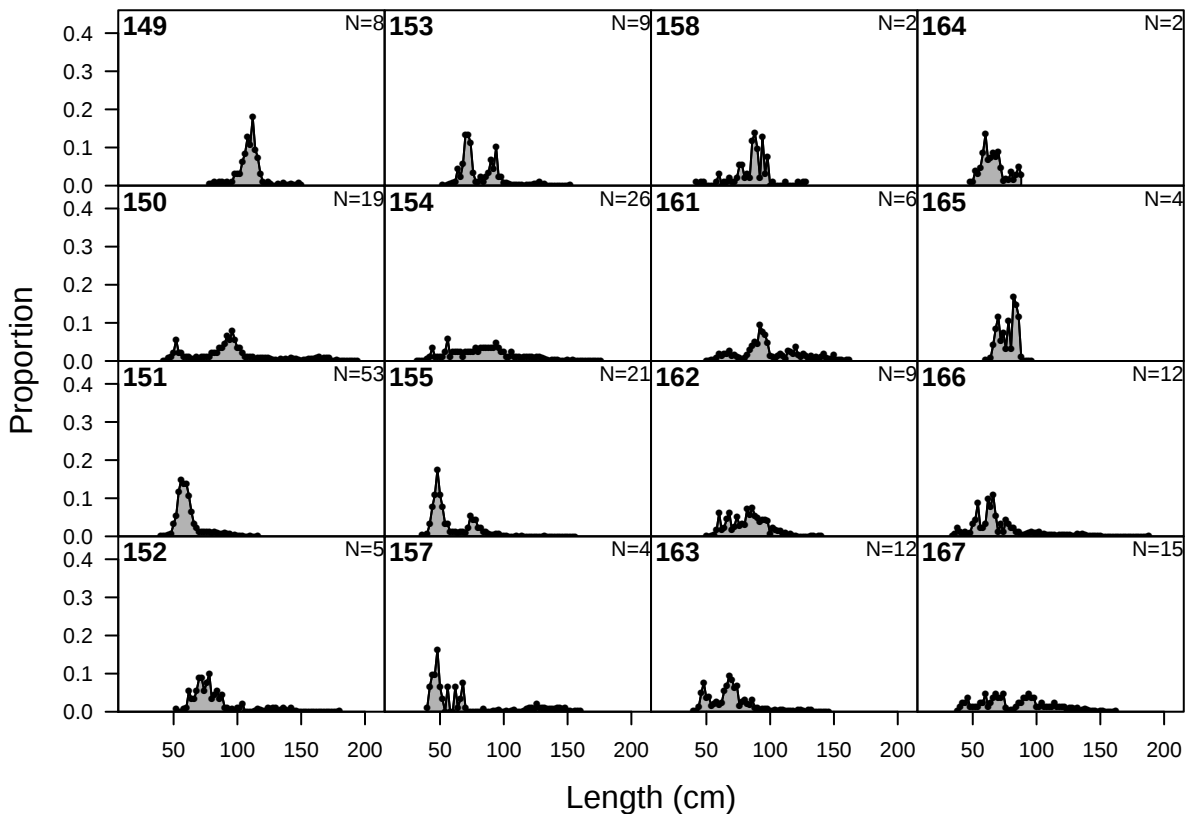
length comp data, whole catch, F5-NOA_N



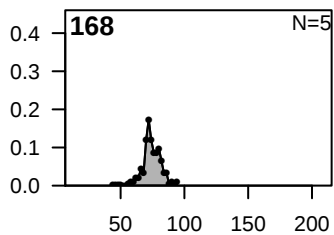
length comp data, whole catch, F5-NOA_N



length comp data, whole catch, F5-NOA_N



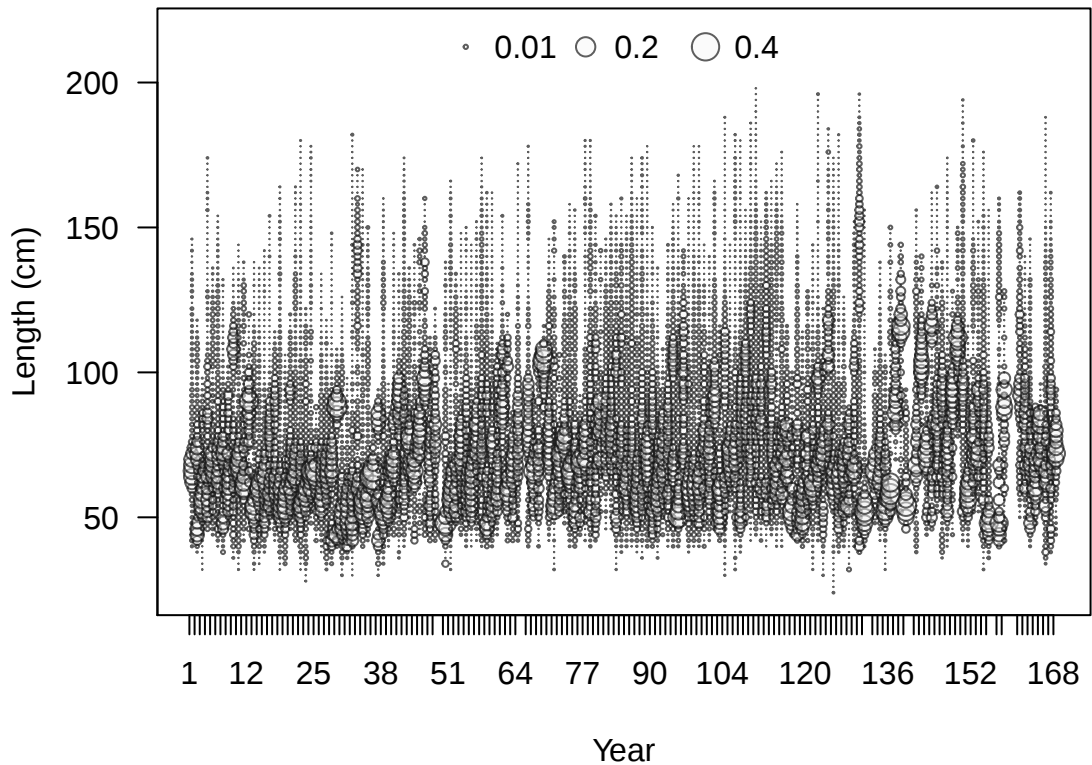
length comp data, whole catch, F5-NOA_N



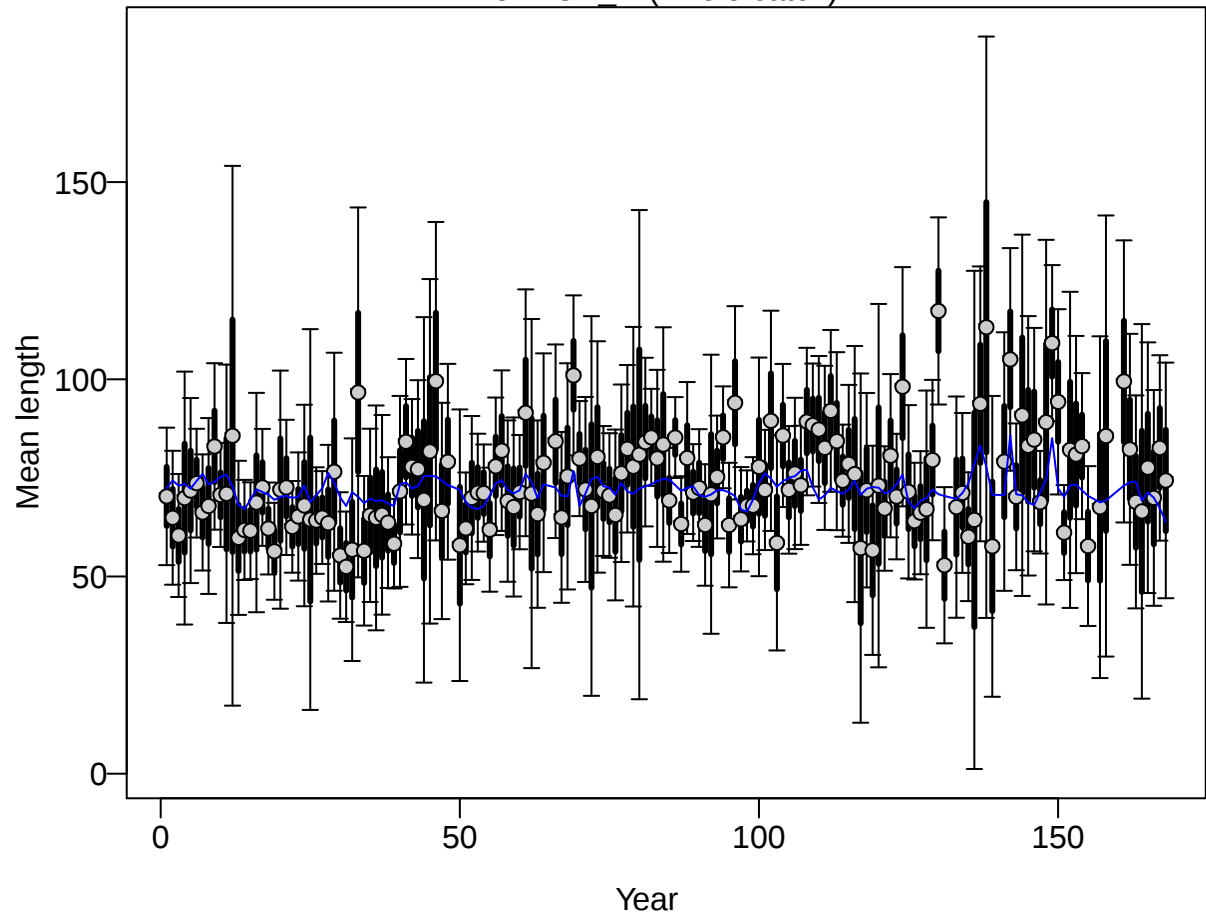
Proportion

Length (cm)

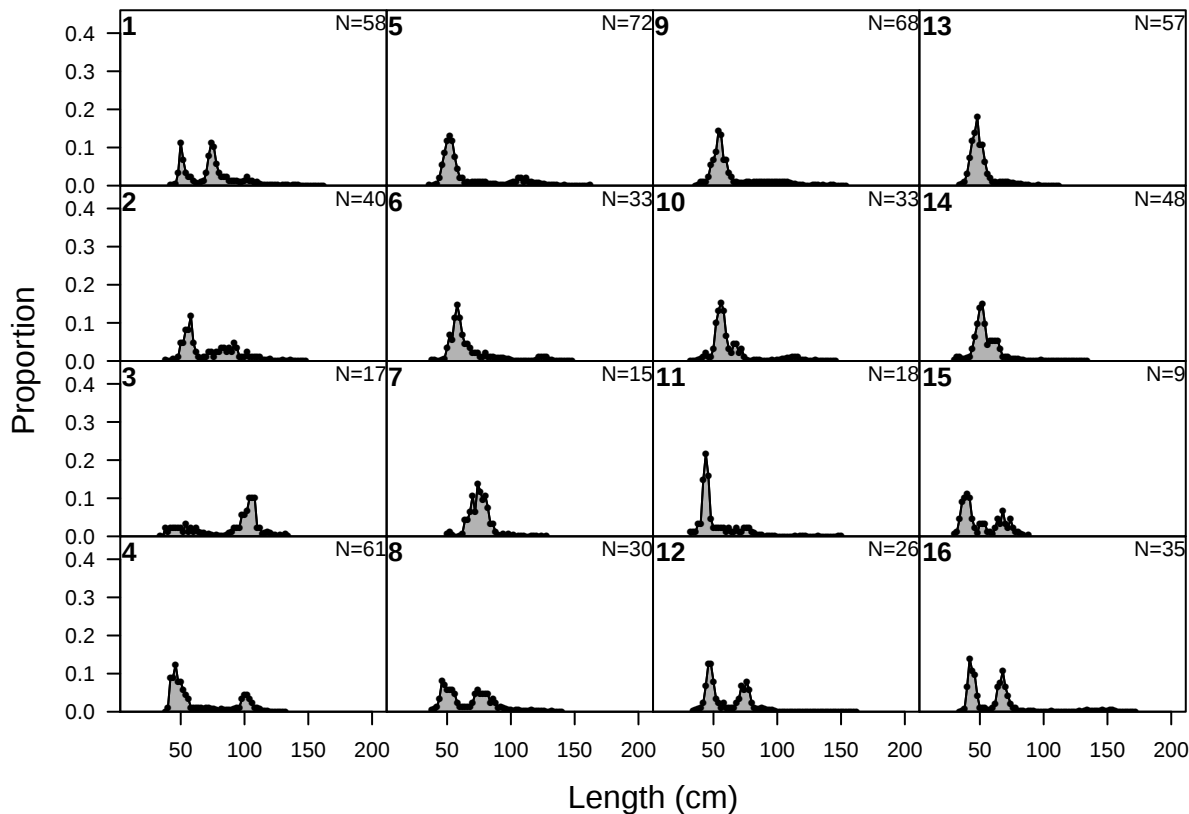
length comp data, whole catch, F5-NOA_N (max=0.36)



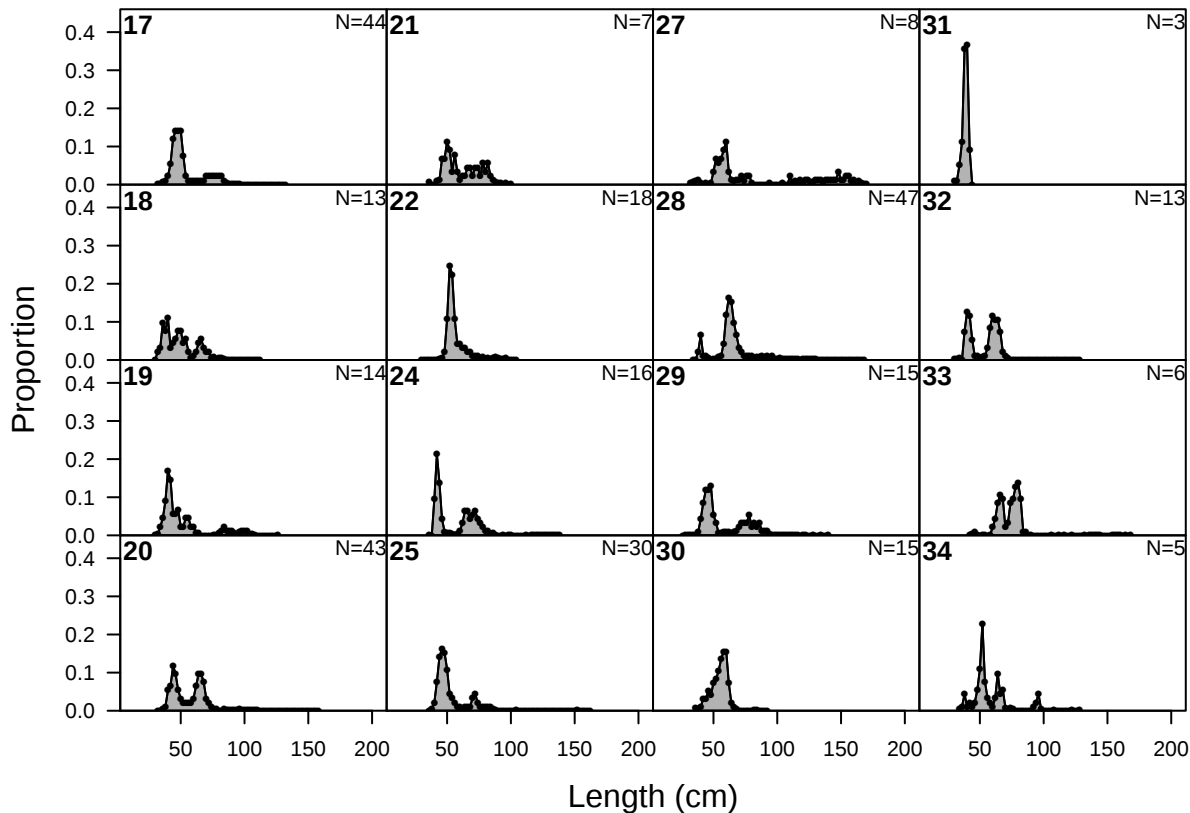
F5-NOA_N (whole catch)



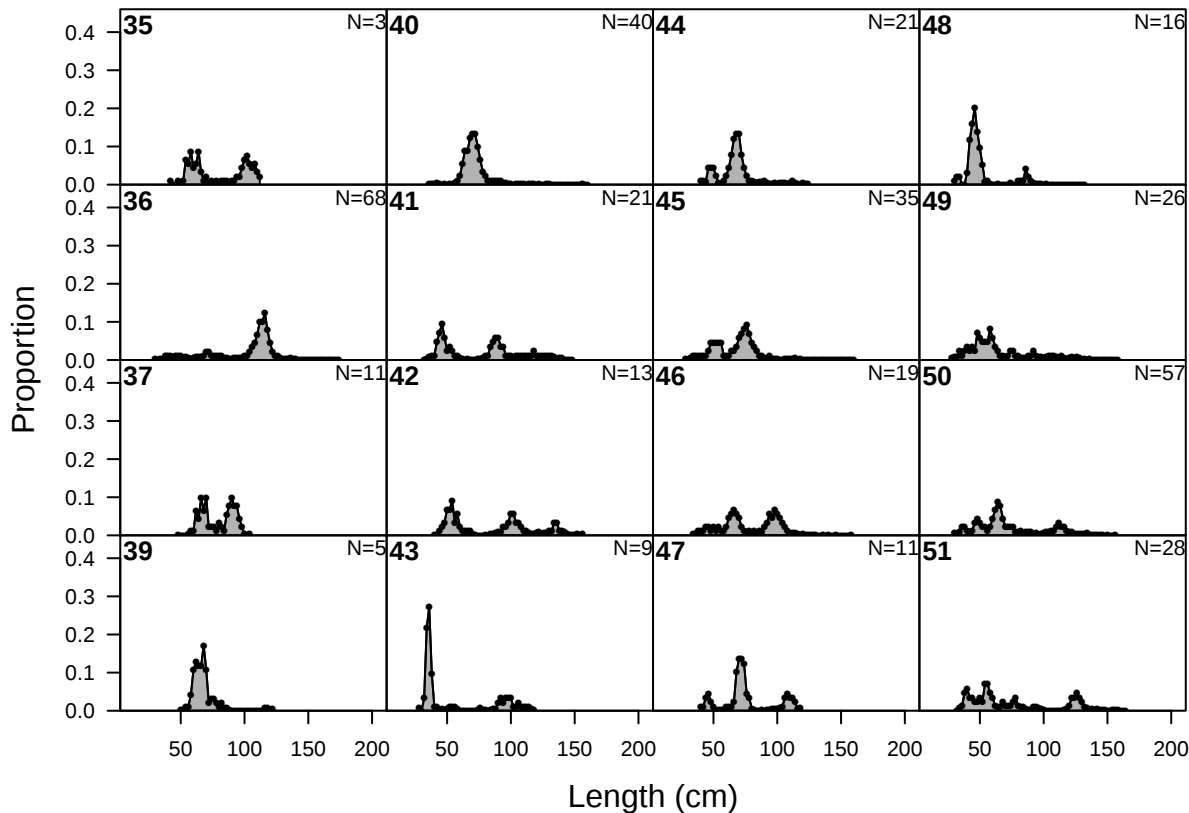
length comp data, whole catch, F6-NOA_S



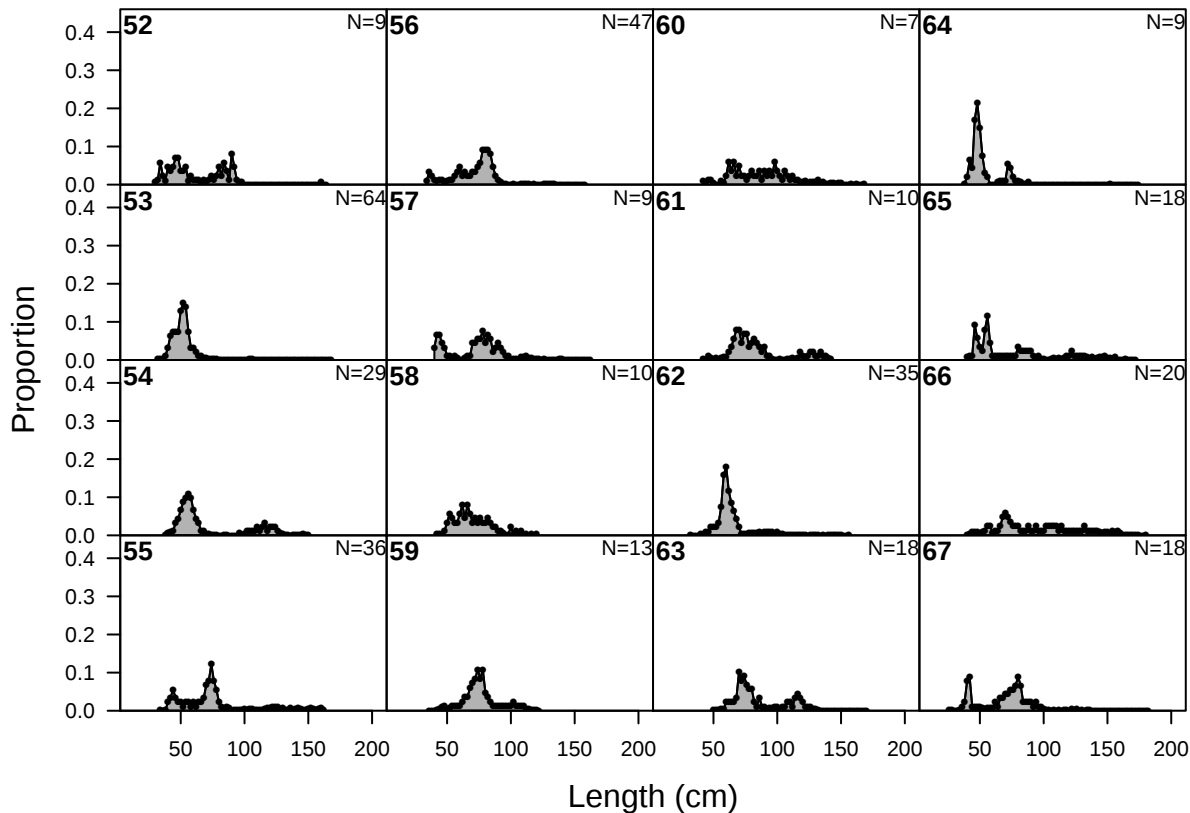
length comp data, whole catch, F6-NOA_S



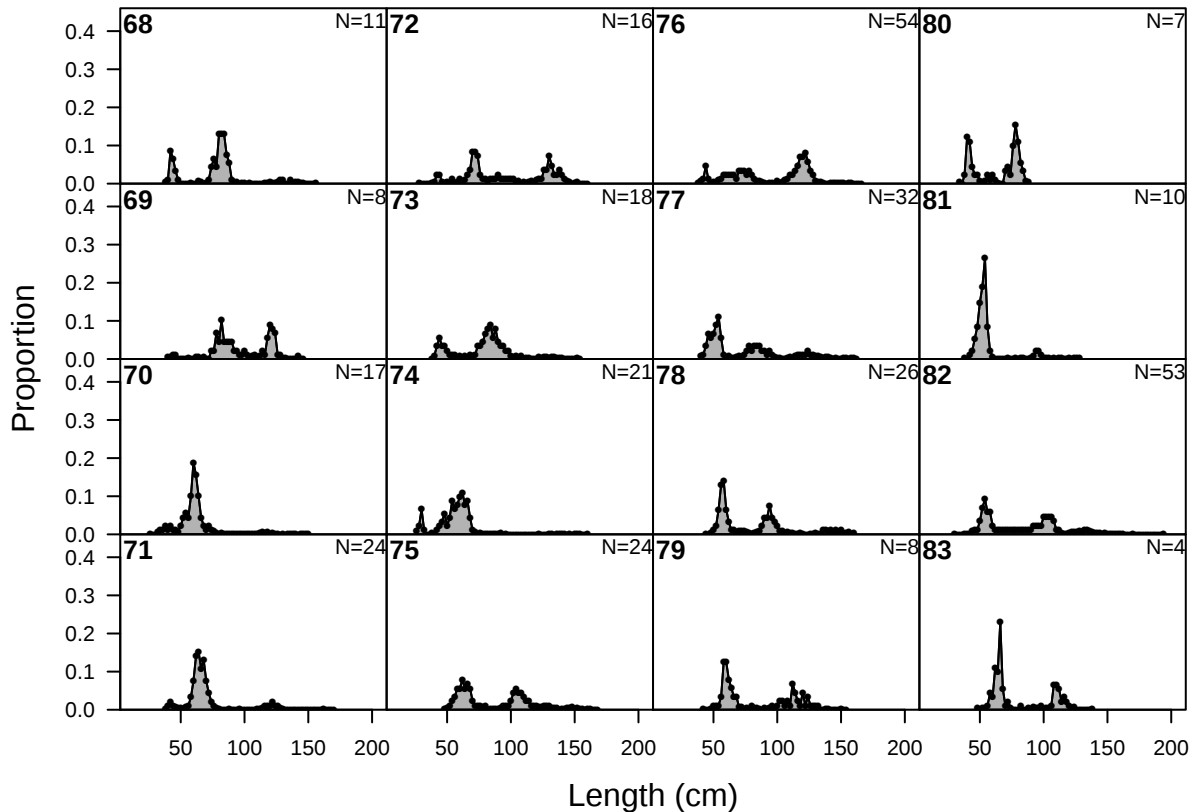
length comp data, whole catch, F6-NOA_S



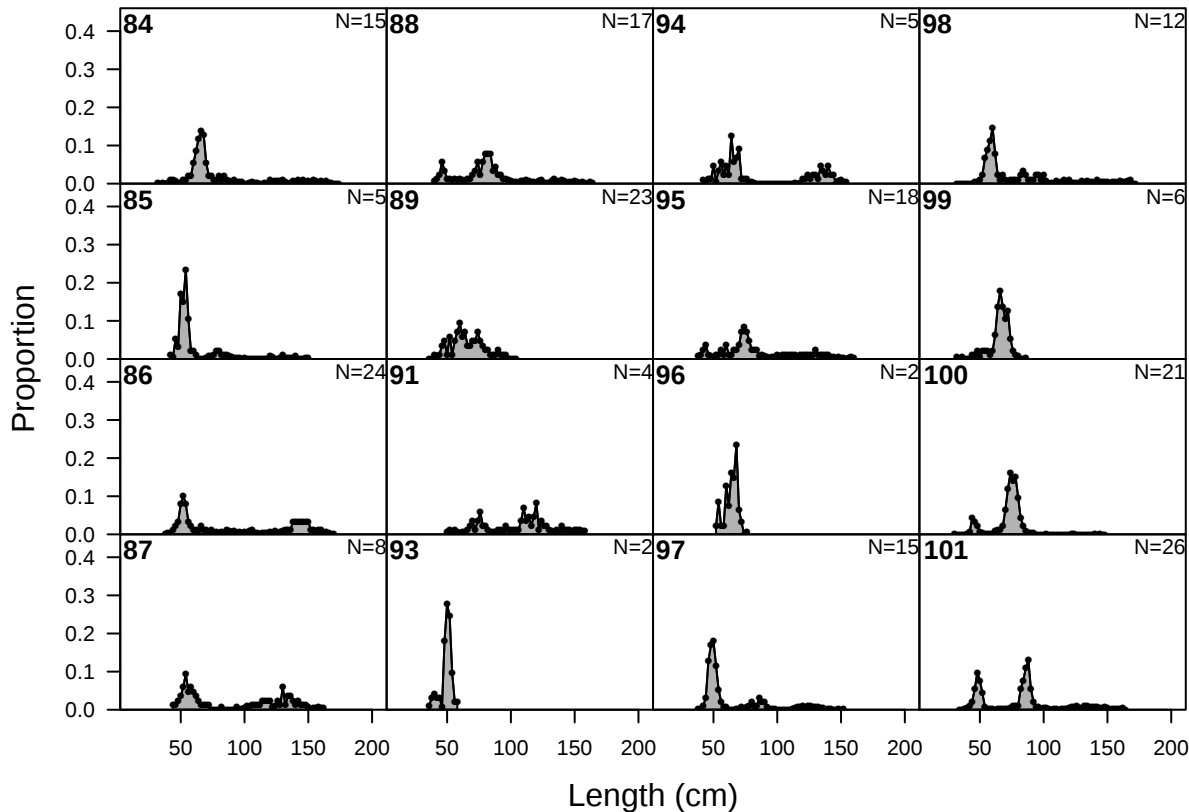
length comp data, whole catch, F6-NOA_S



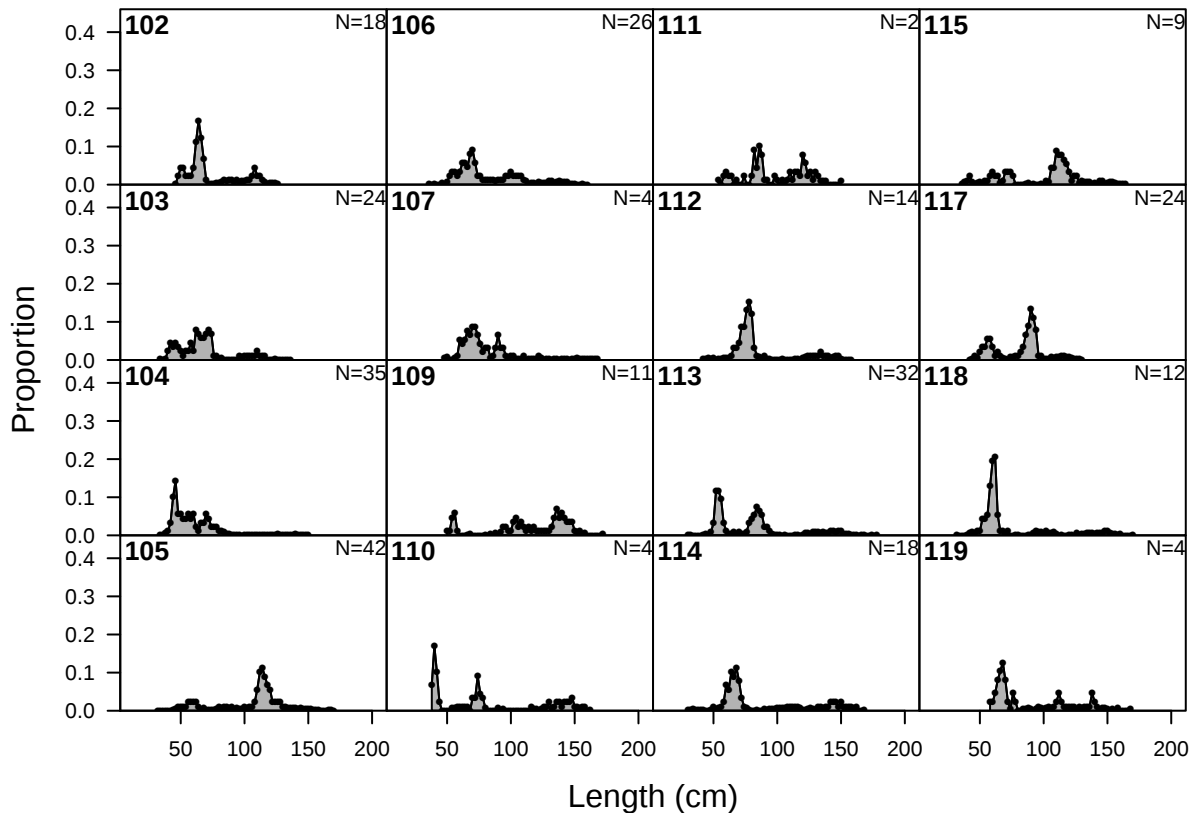
length comp data, whole catch, F6-NOA_S



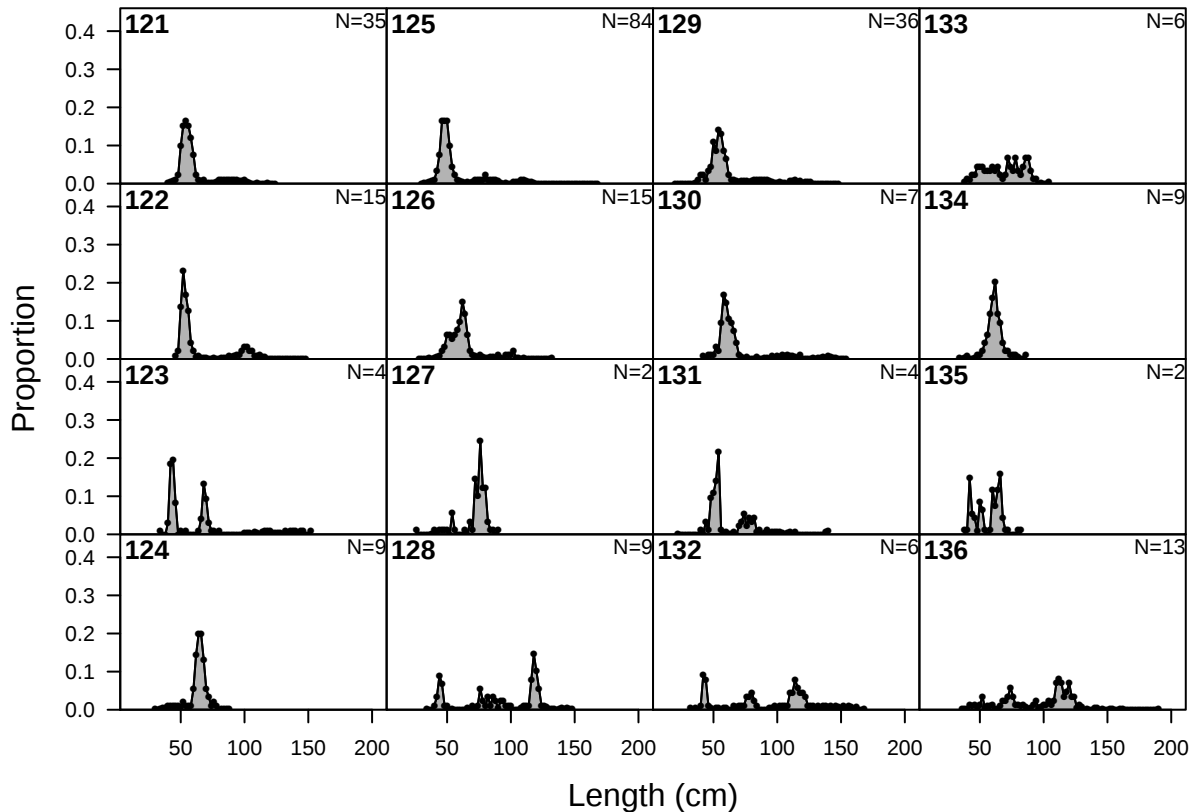
length comp data, whole catch, F6-NOA_S



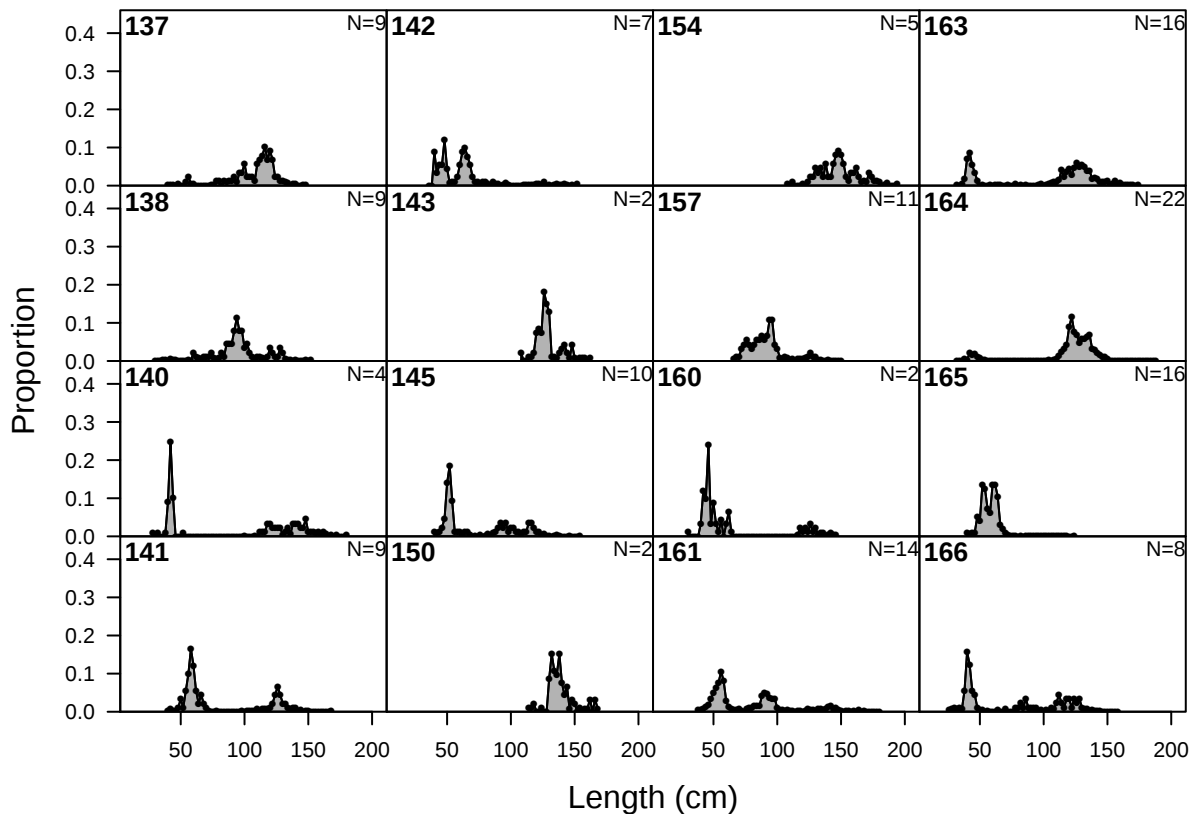
length comp data, whole catch, F6-NOA_S



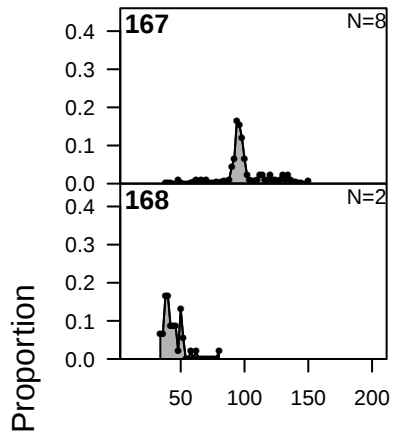
length comp data, whole catch, F6-NOA_S



length comp data, whole catch, F6-NOA_S

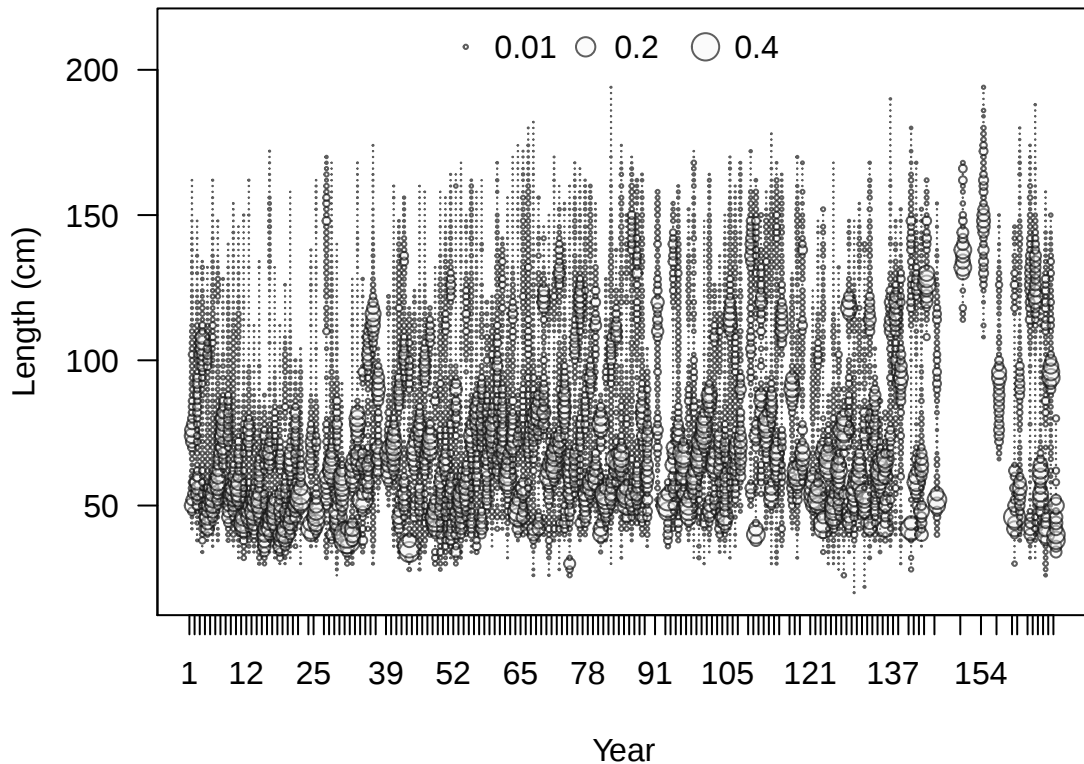


length comp data, whole catch, F6-NOA_S

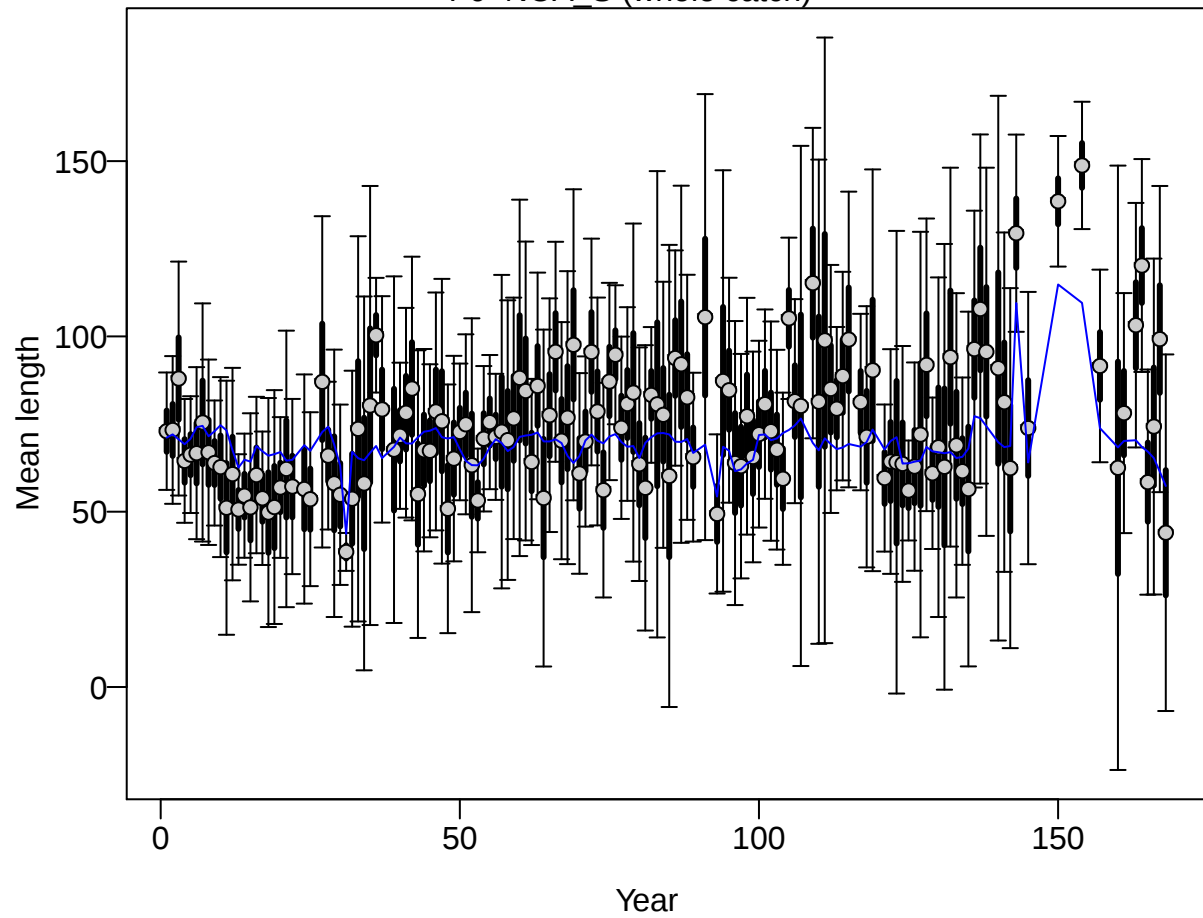


Length (cm)

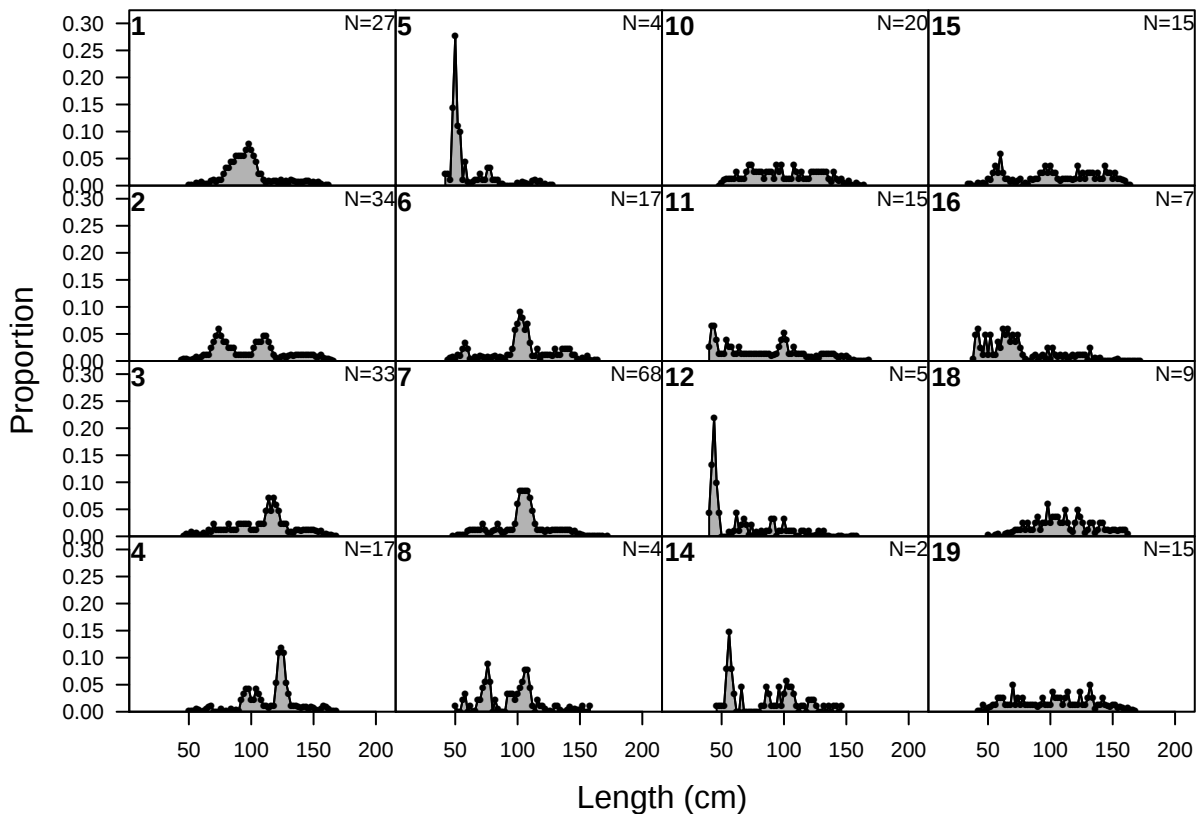
length comp data, whole catch, F6-NOA_S (max=0.37)



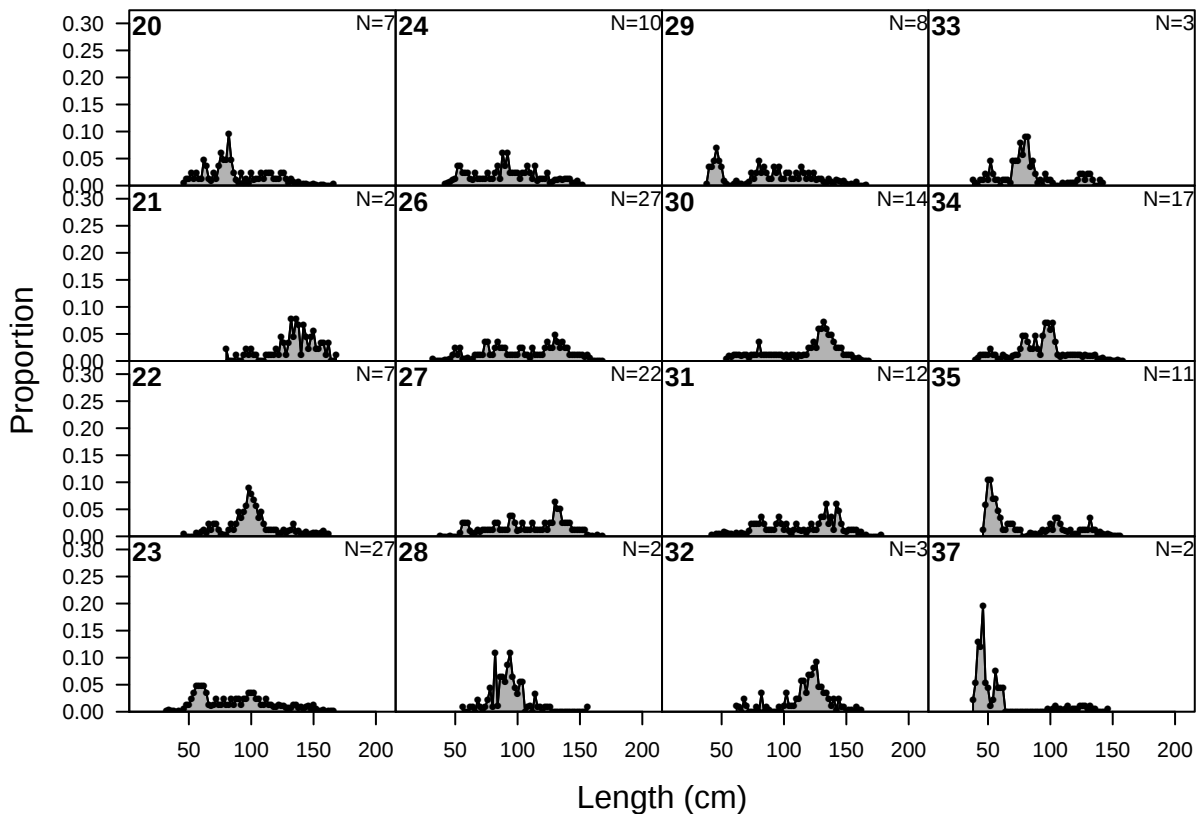
F6-NOA_S (whole catch)



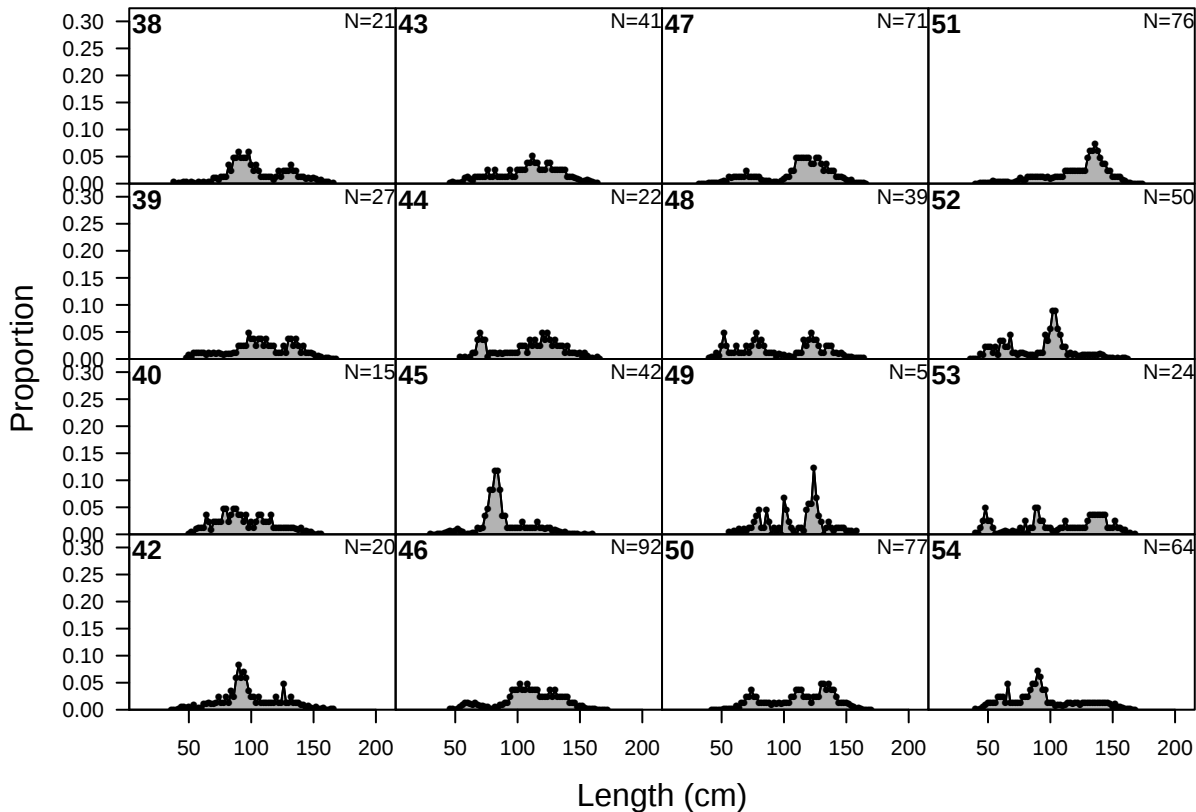
length comp data, whole catch, F7-DEL_N



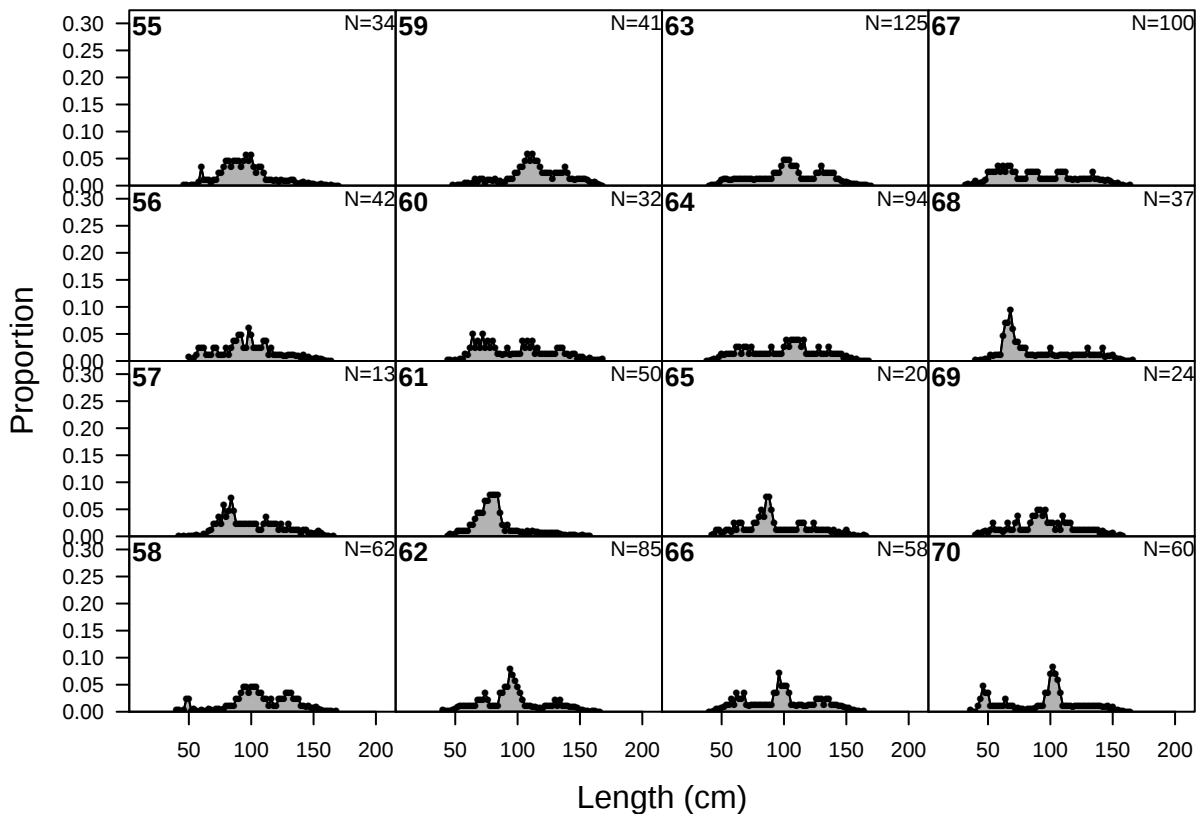
length comp data, whole catch, F7-DEL_N



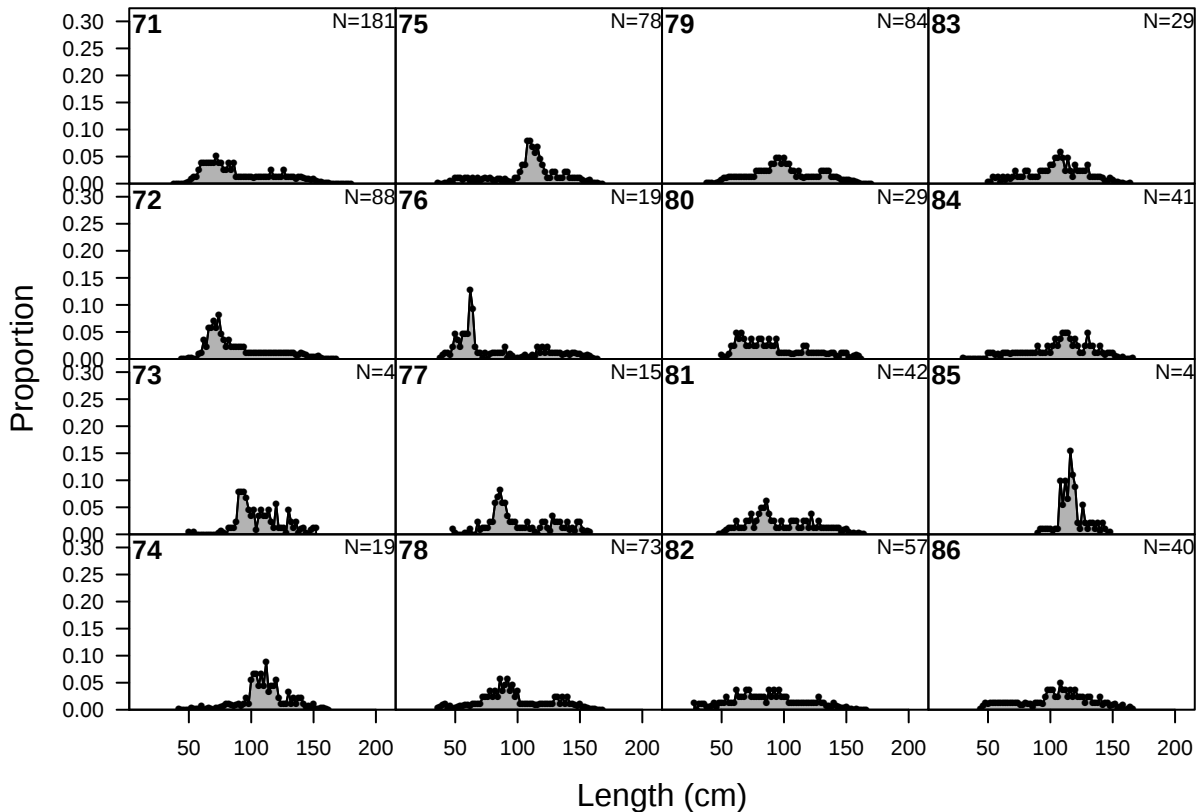
length comp data, whole catch, F7-DEL_N



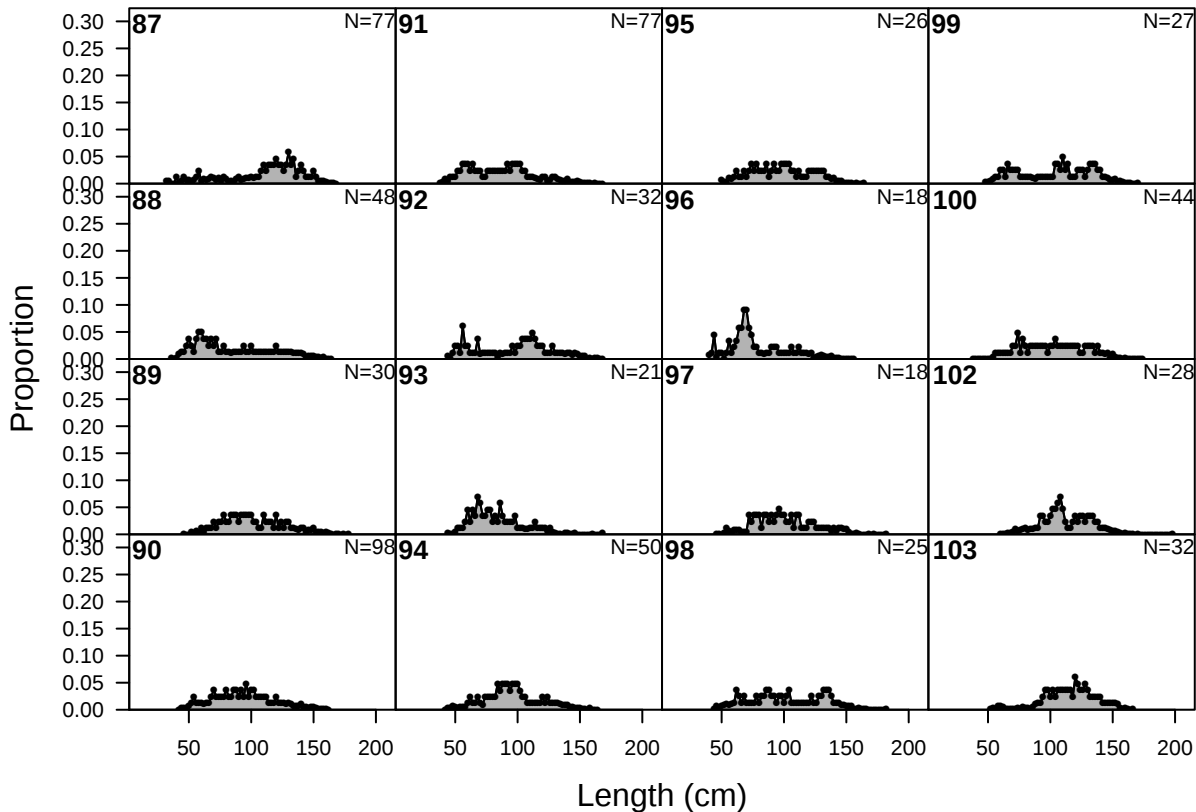
length comp data, whole catch, F7-DEL_N



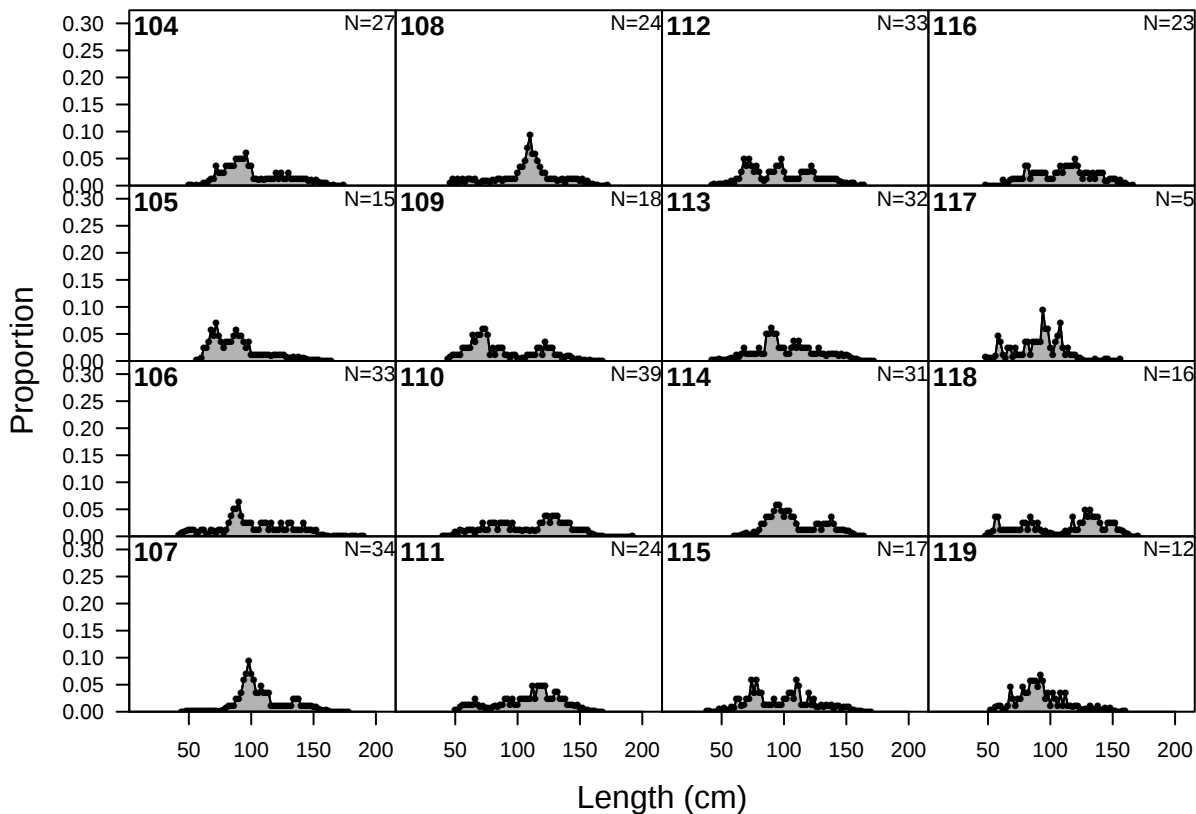
length comp data, whole catch, F7-DEL_N



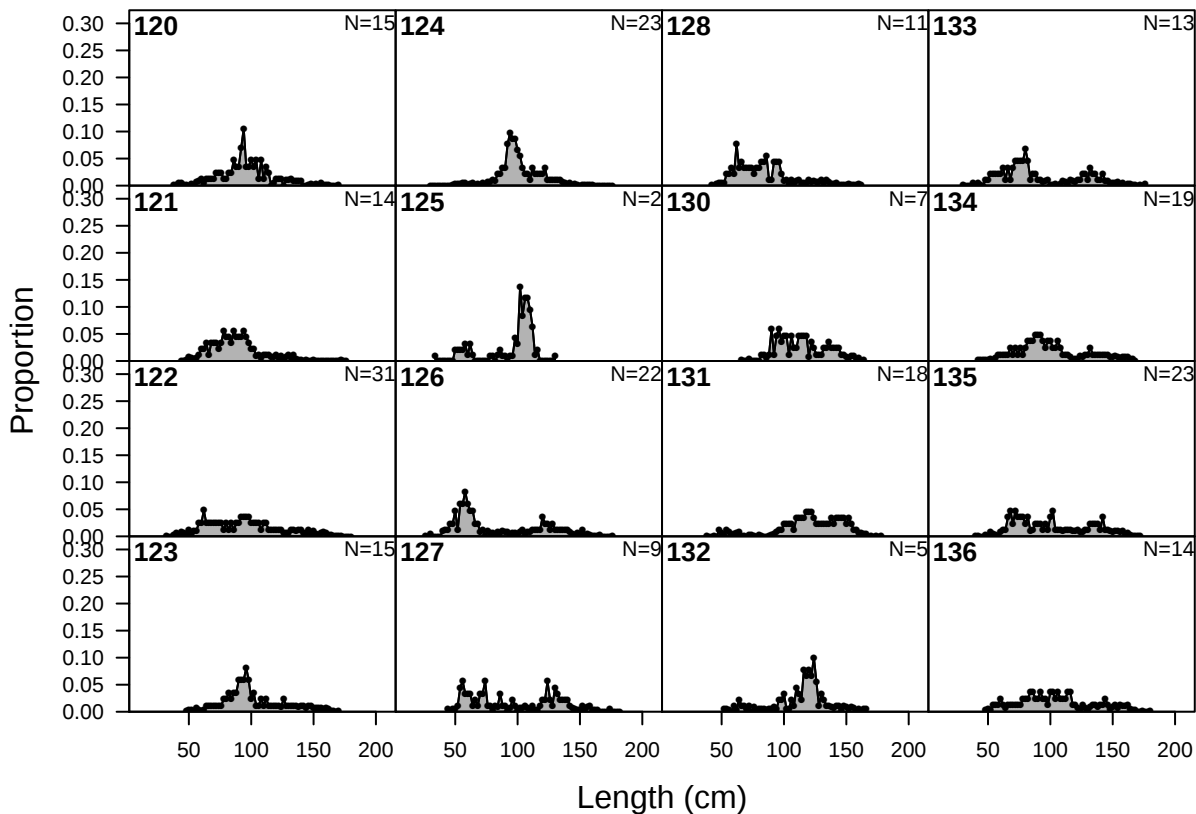
length comp data, whole catch, F7-DEL_N



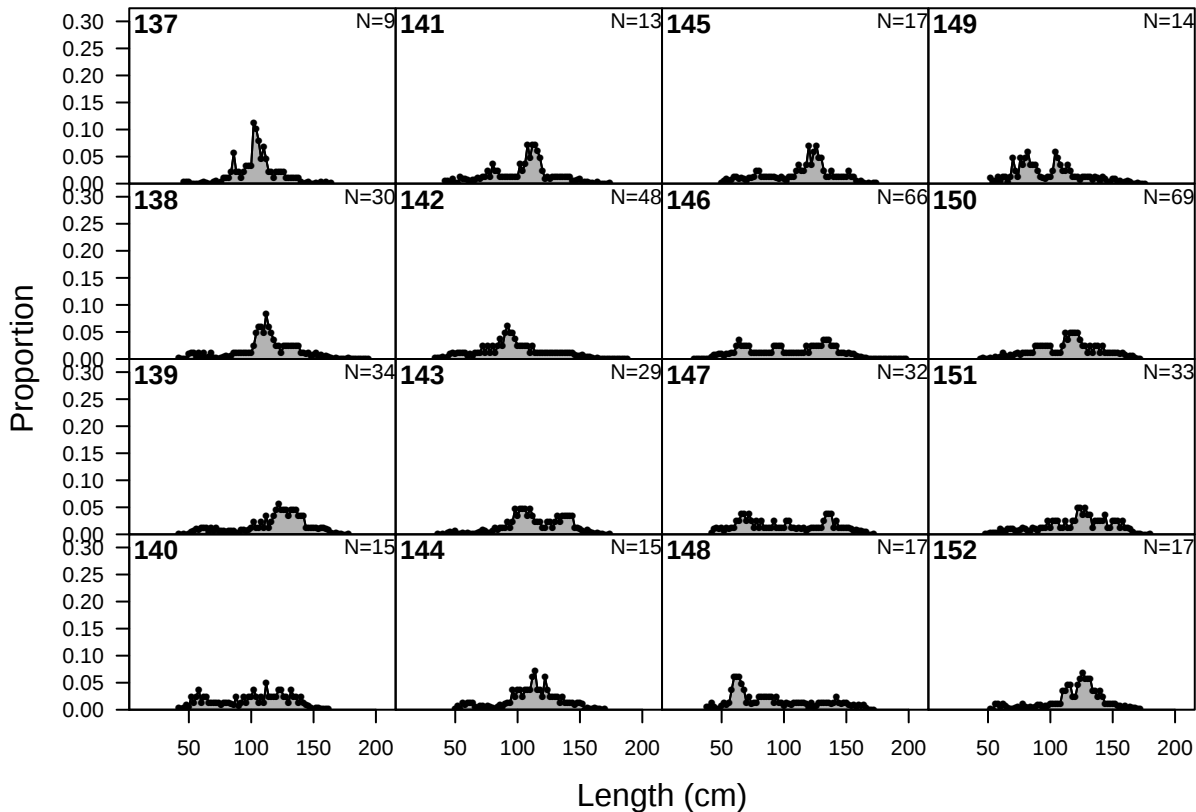
length comp data, whole catch, F7-DEL_N



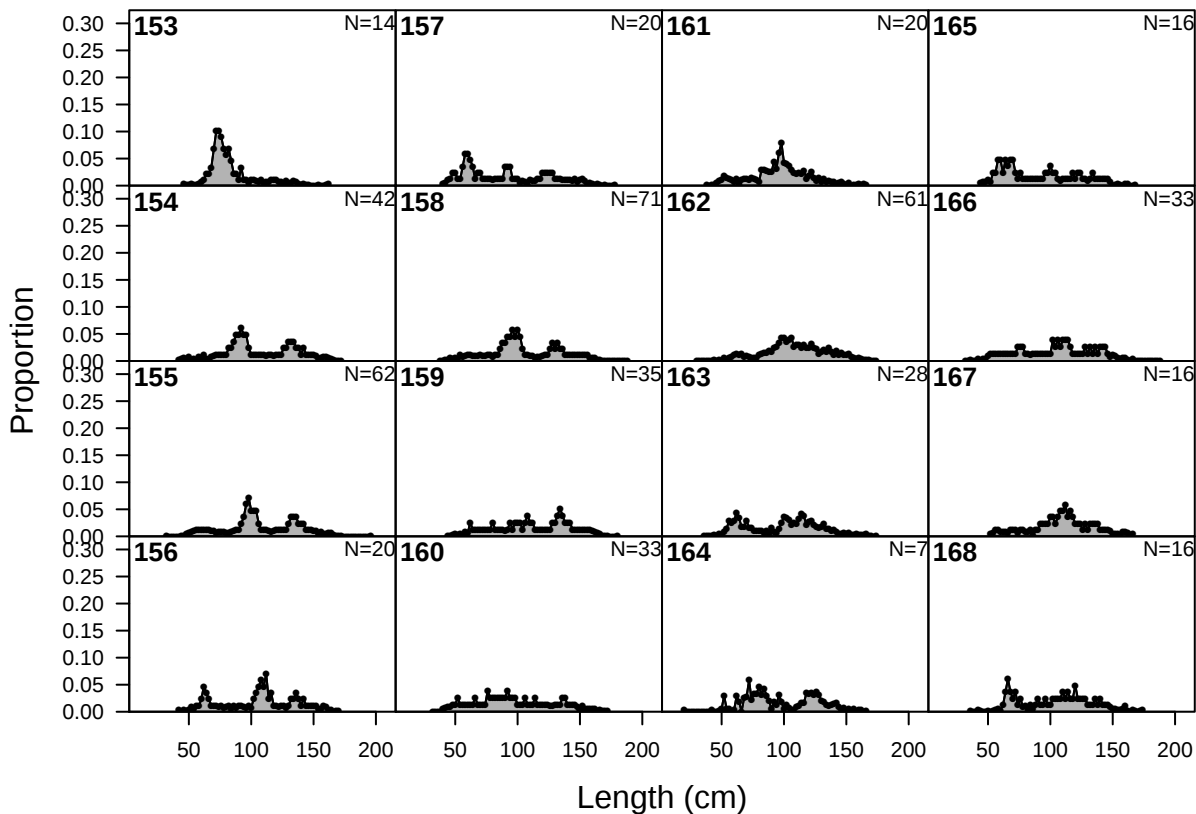
length comp data, whole catch, F7-DEL_N



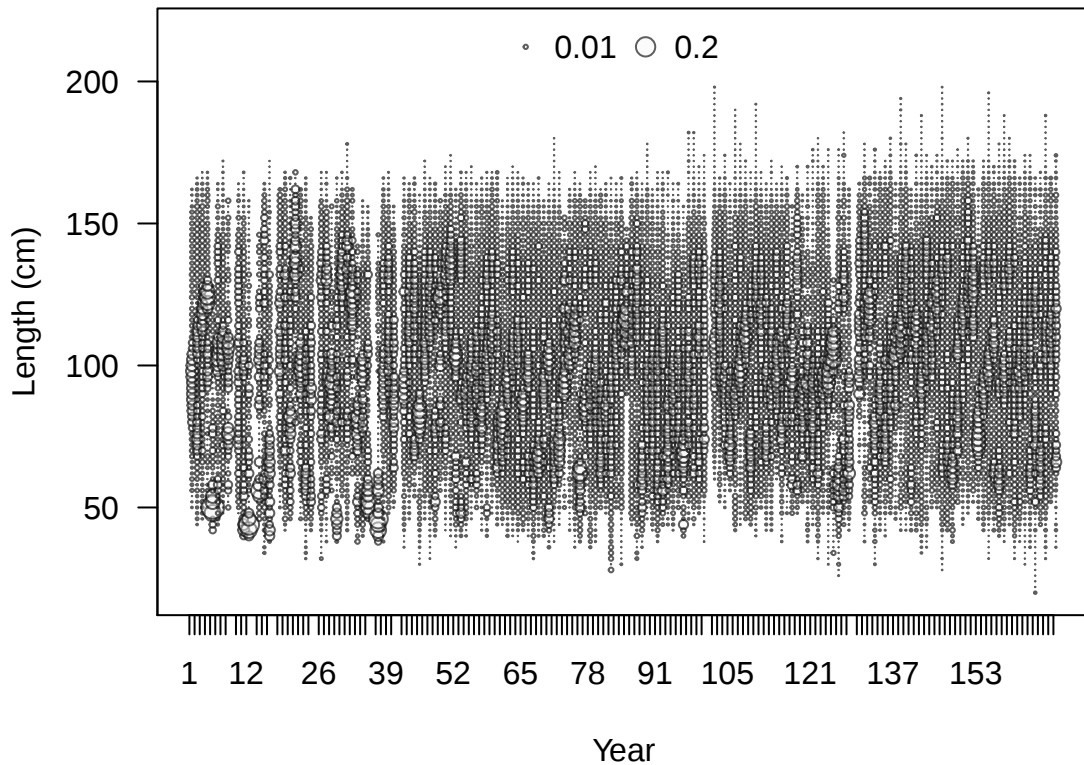
length comp data, whole catch, F7-DEL_N



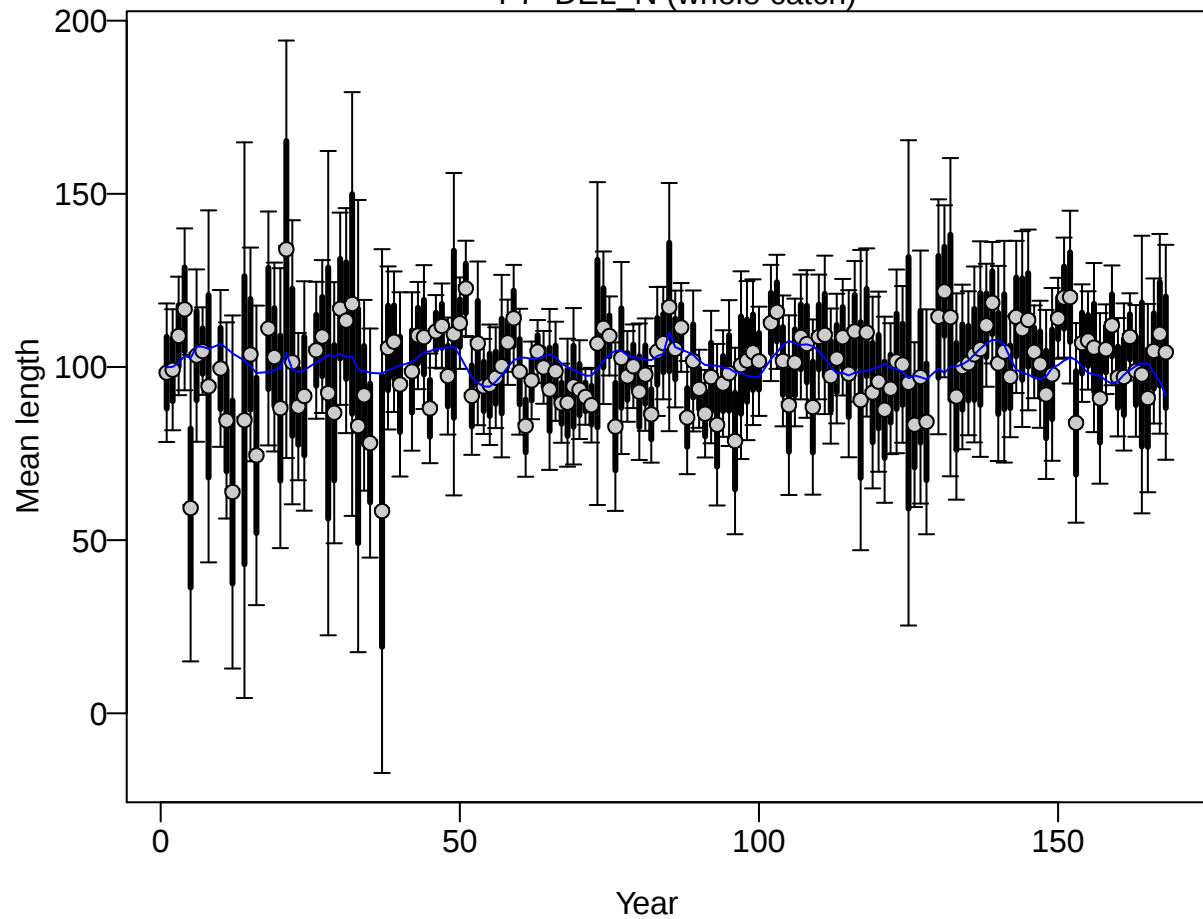
length comp data, whole catch, F7-DEL_N



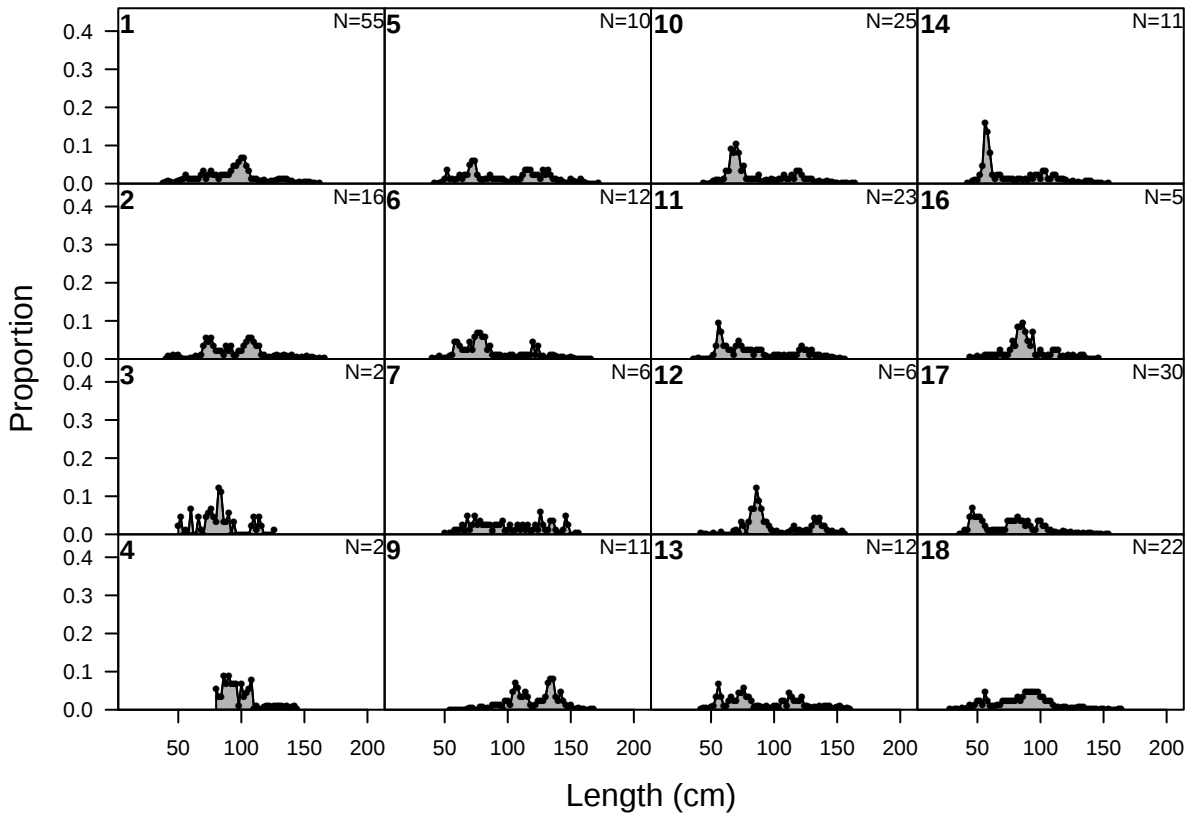
length comp data, whole catch, F7-DEL_N (max=0.28)



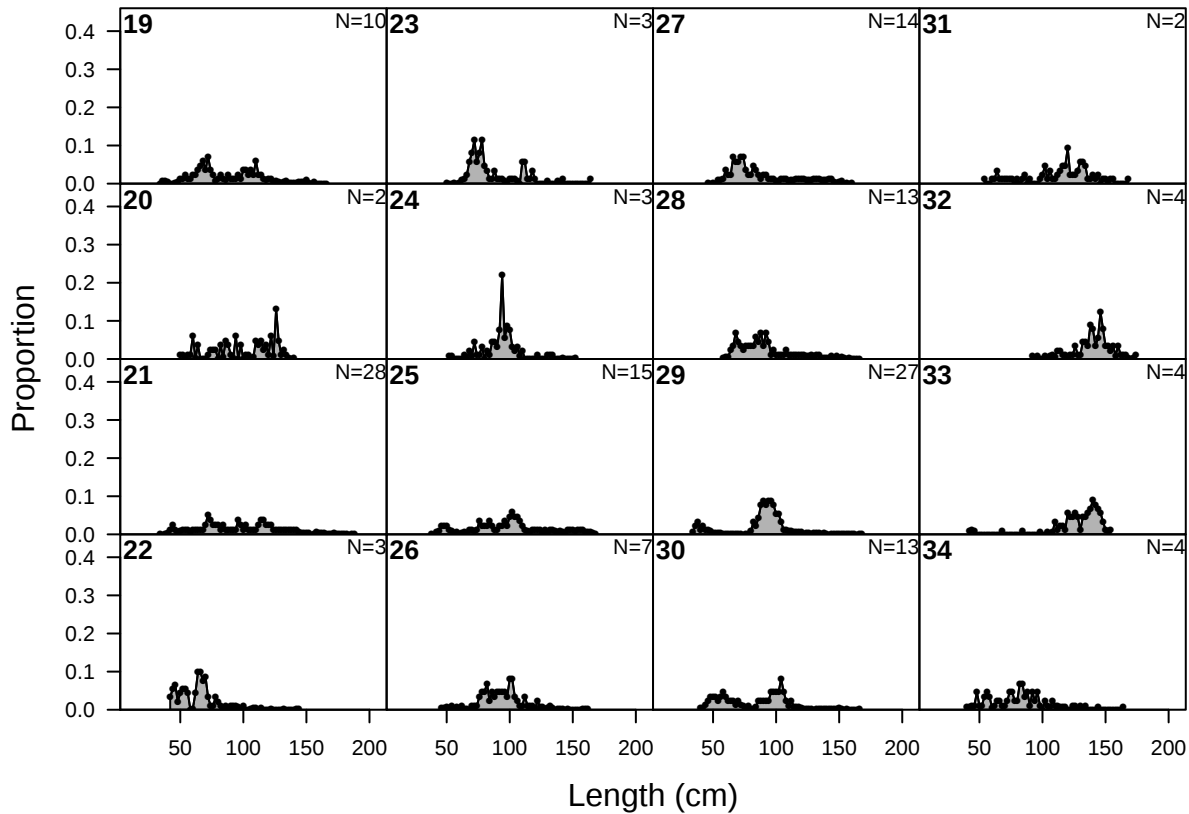
F7-DEL_N (whole catch)



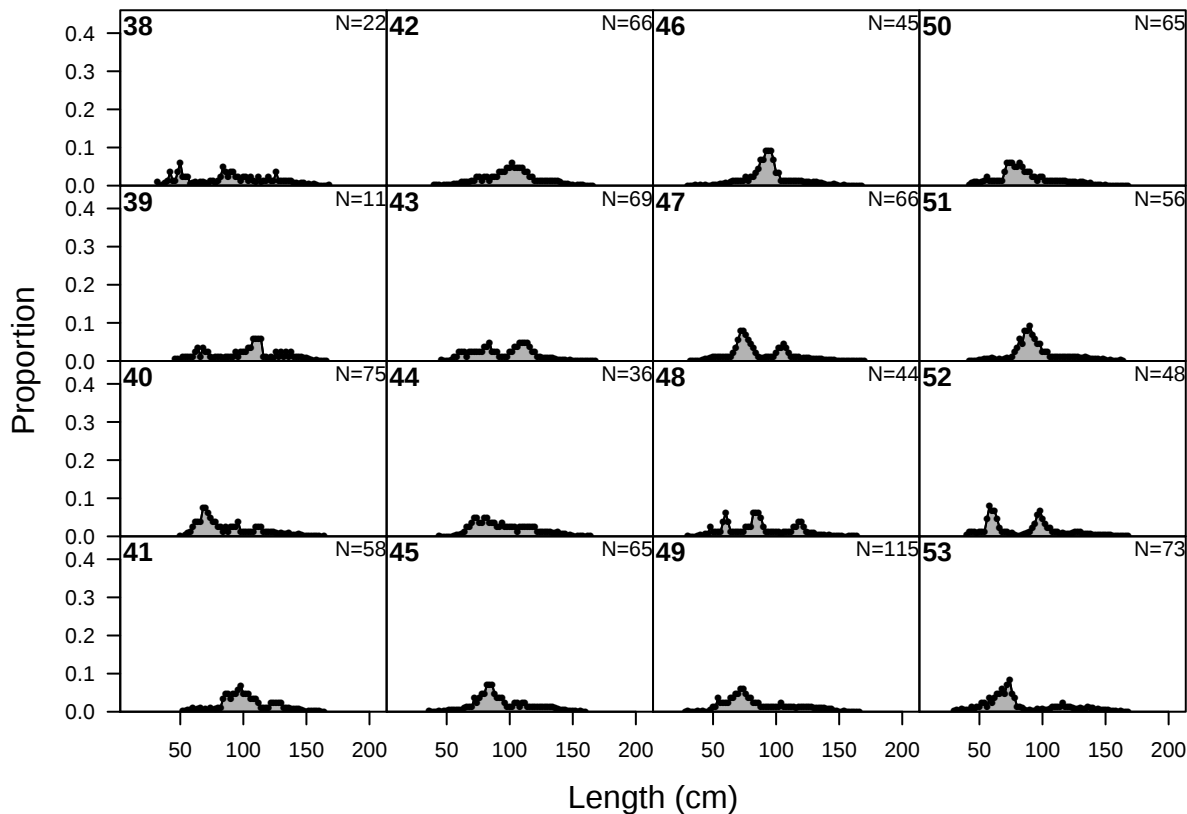
length comp data, whole catch, F8-DEL_I



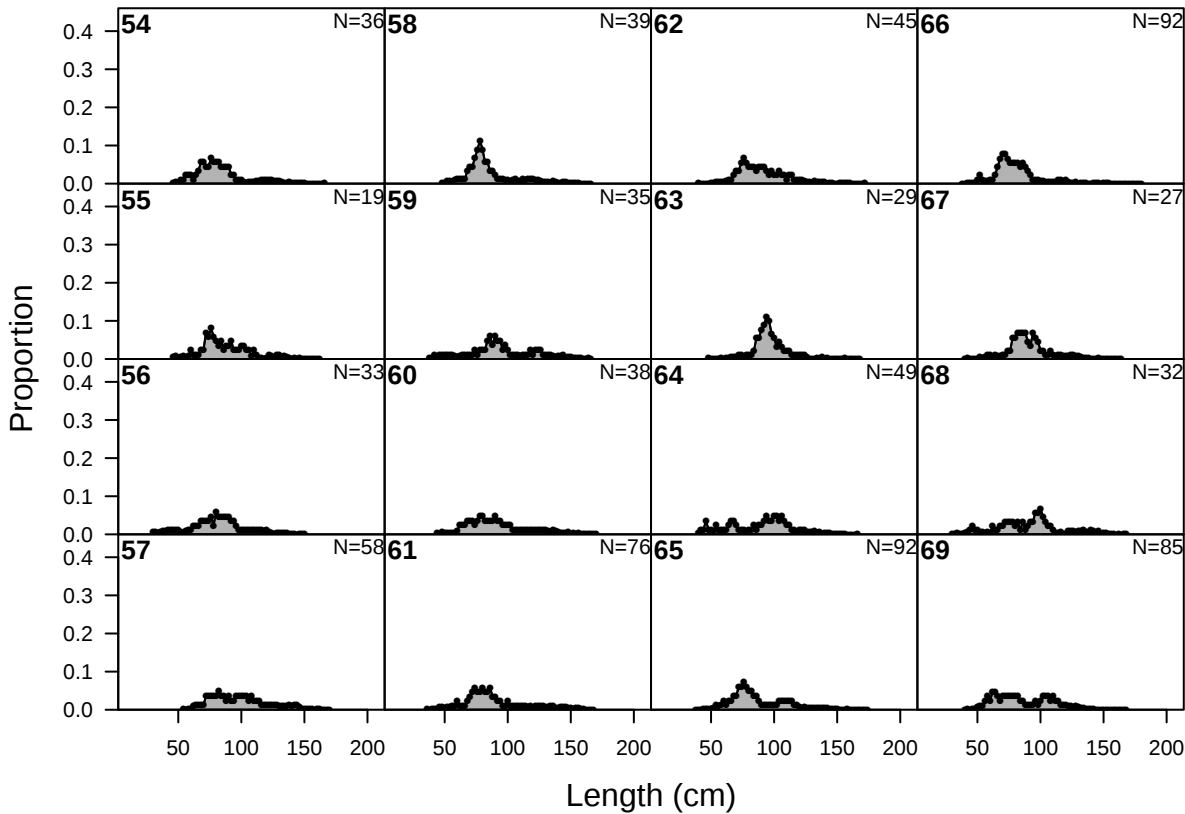
length comp data, whole catch, F8-DEL_I



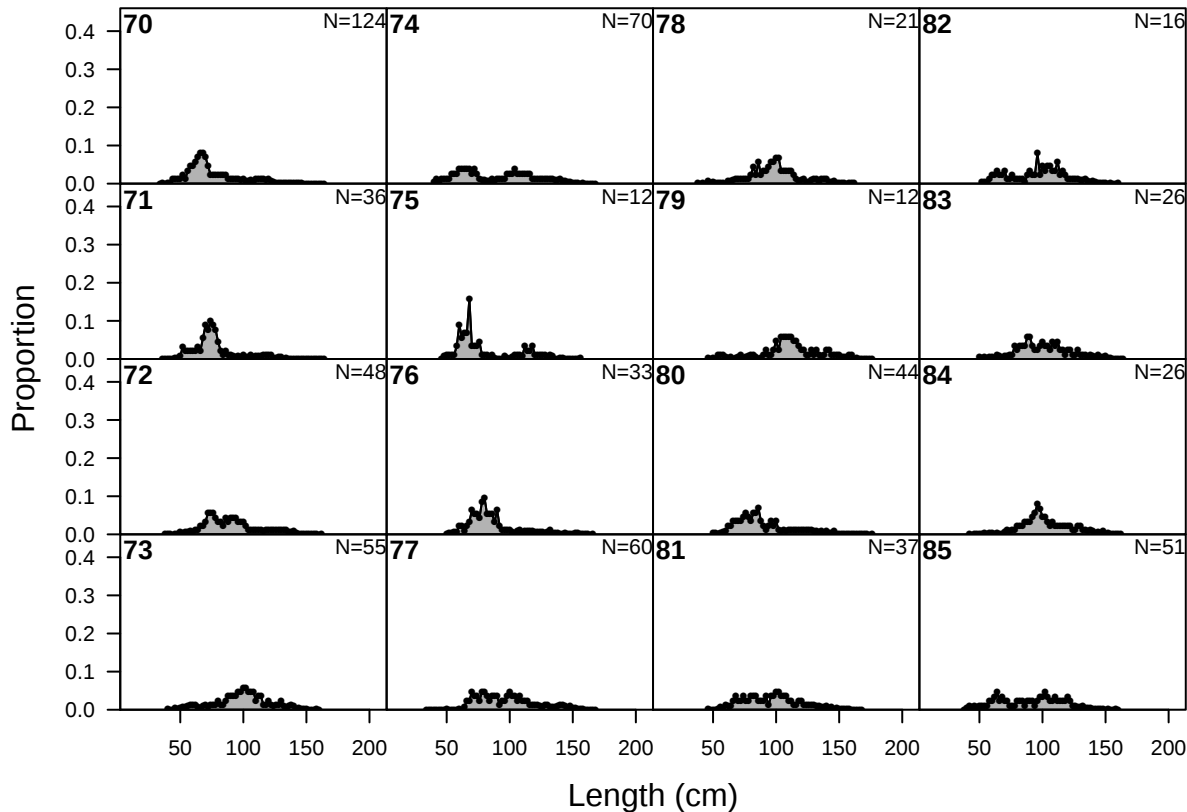
length comp data, whole catch, F8-DEL_I



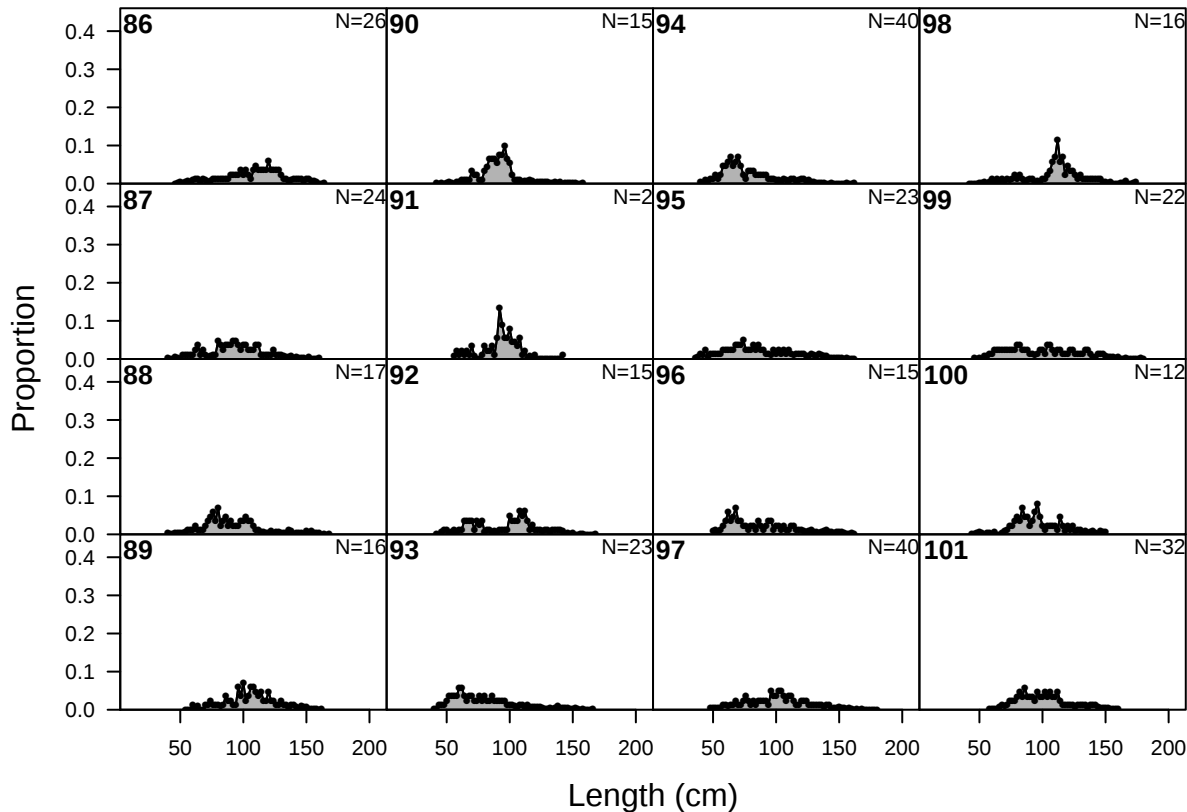
length comp data, whole catch, F8-DEL_I



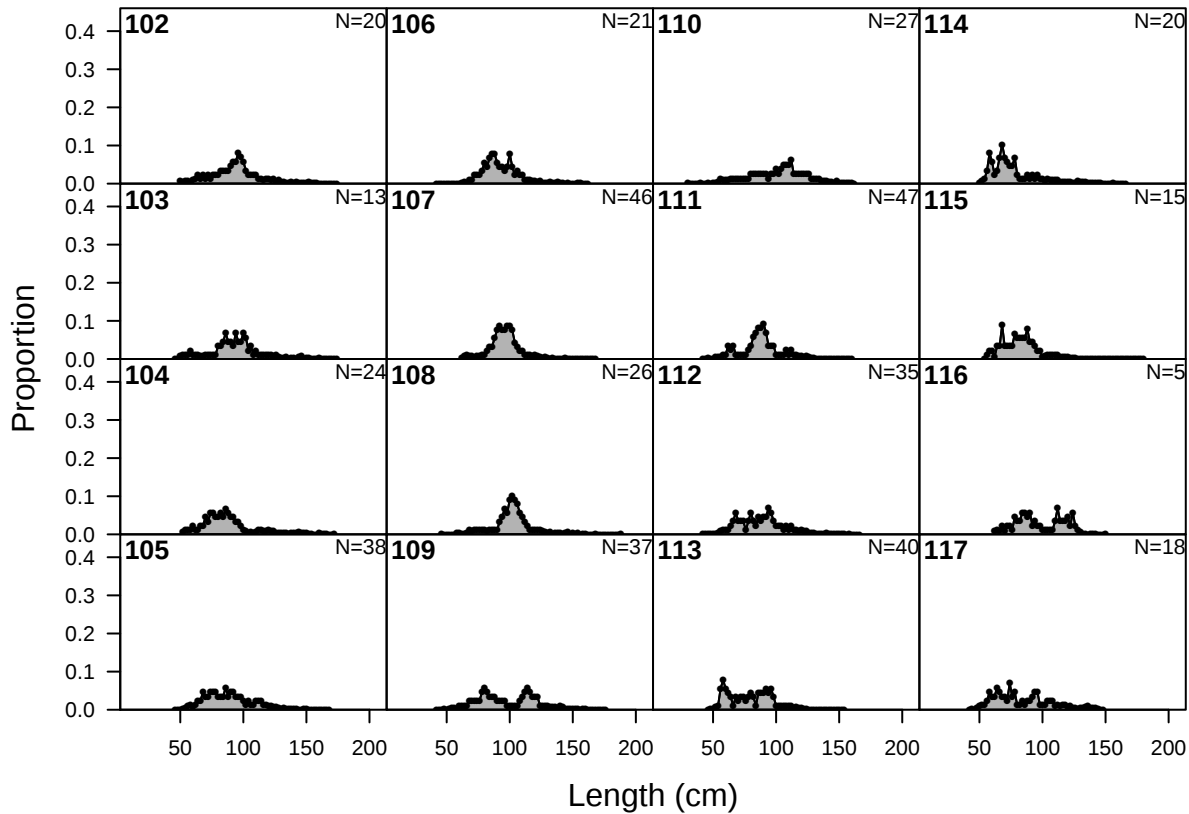
length comp data, whole catch, F8-DEL_I



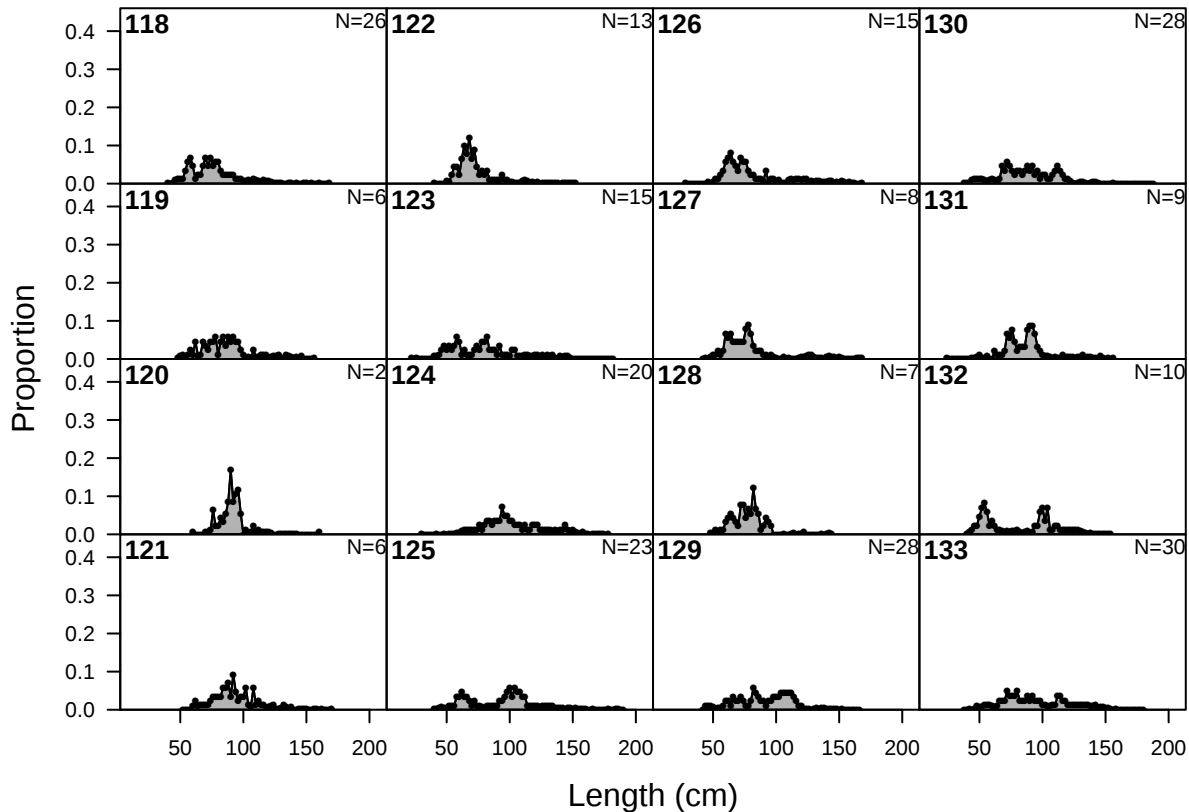
length comp data, whole catch, F8-DEL_I



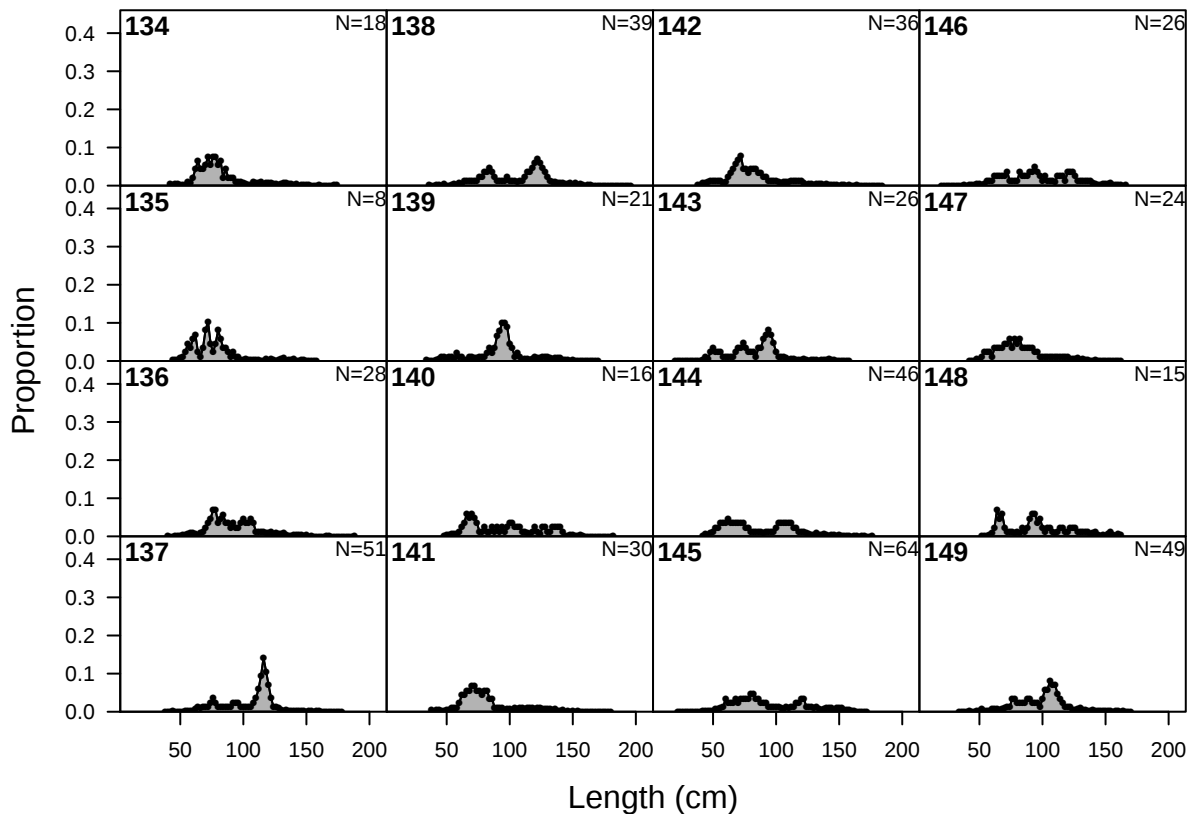
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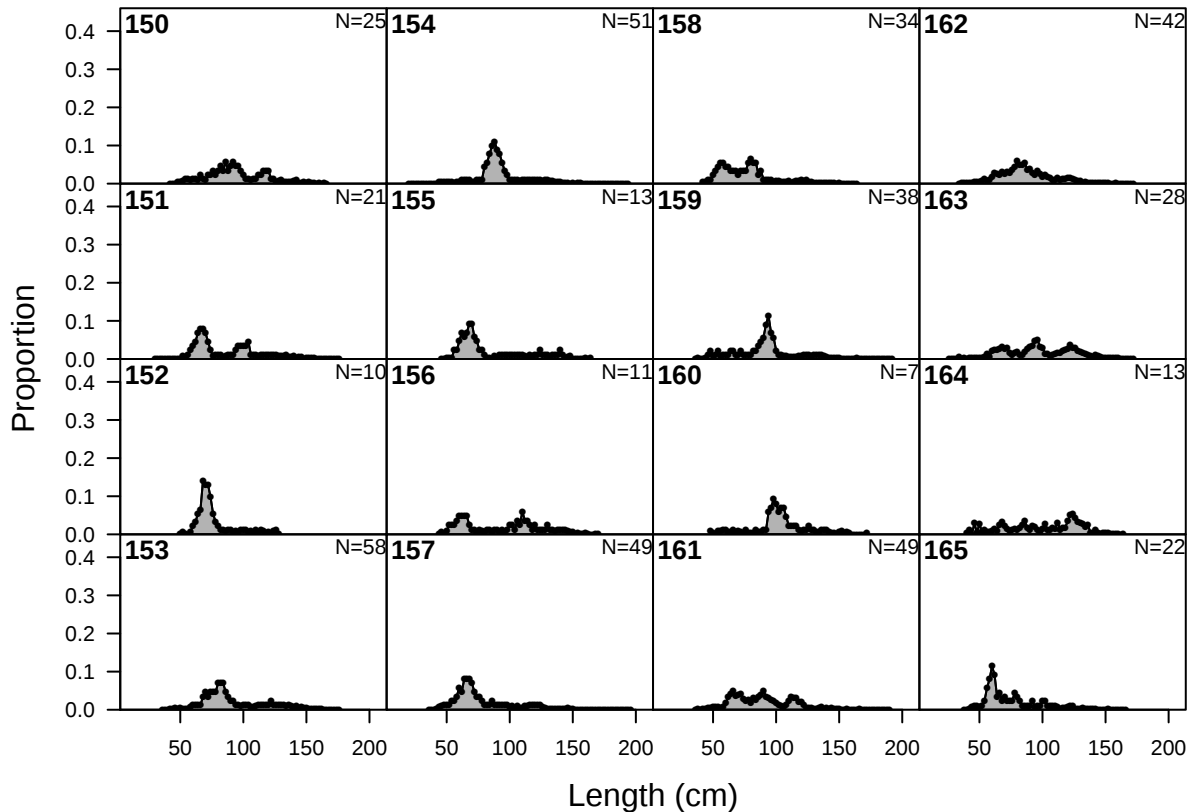
length comp data, whole catch, F8-DEL_I



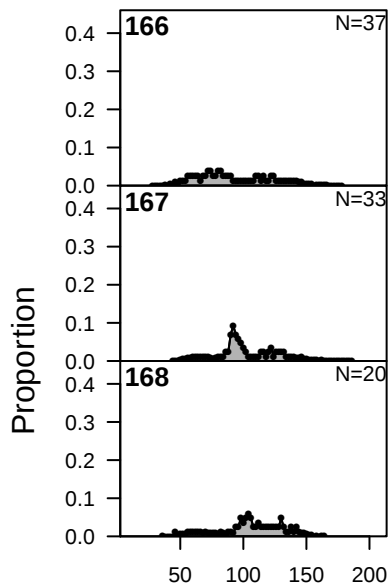
length comp data, whole catch, F8-DEL_I



length comp data, whole catch, F8-DEL_I

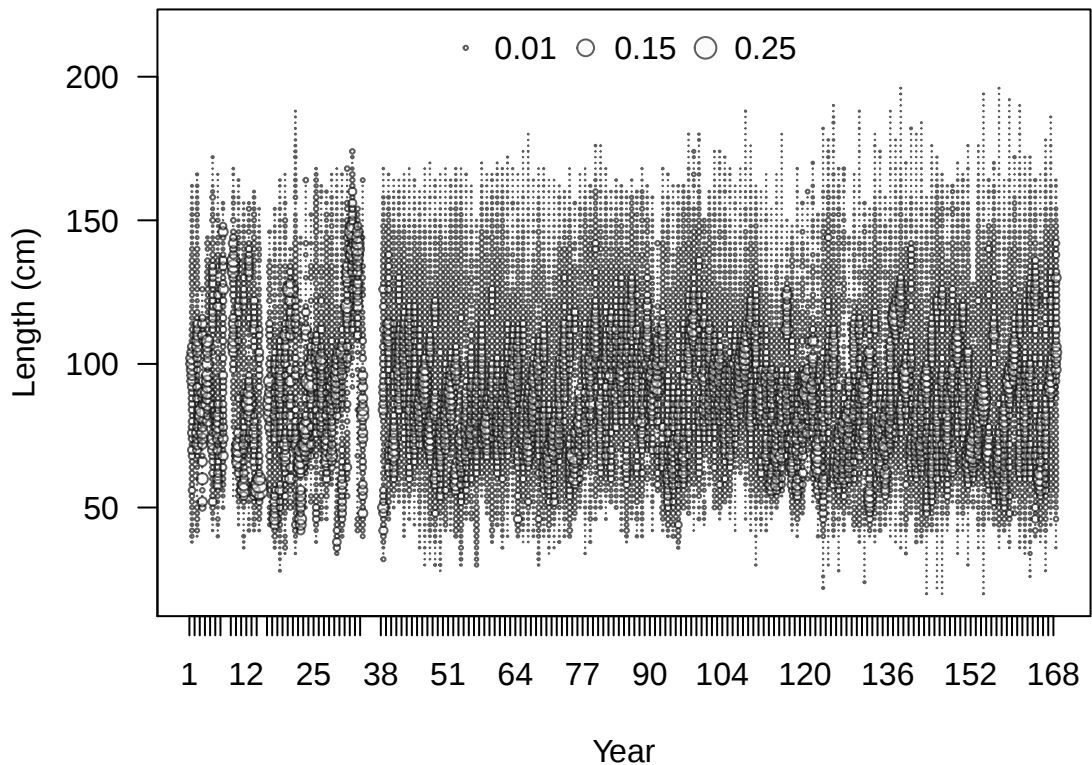


length comp data, whole catch, F8-DEL_I

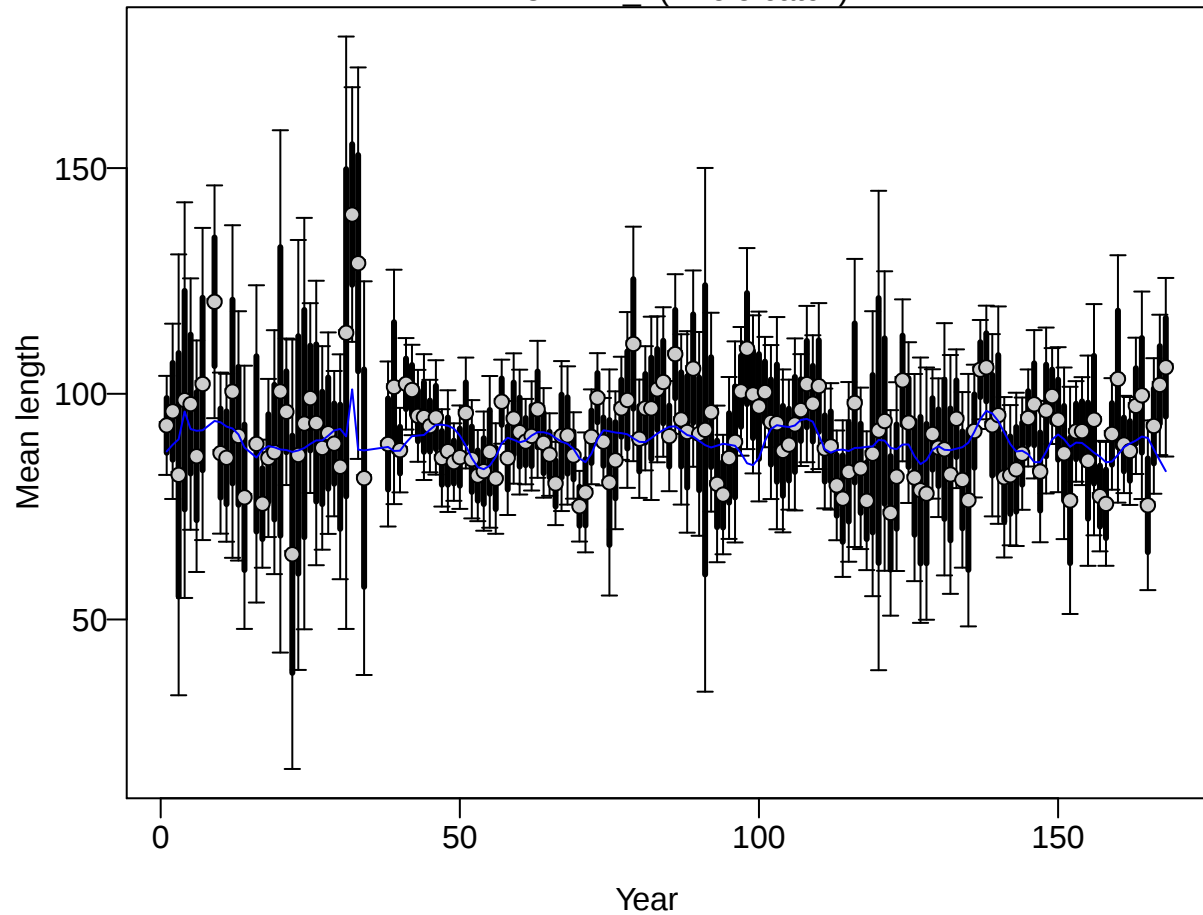


Length (cm)

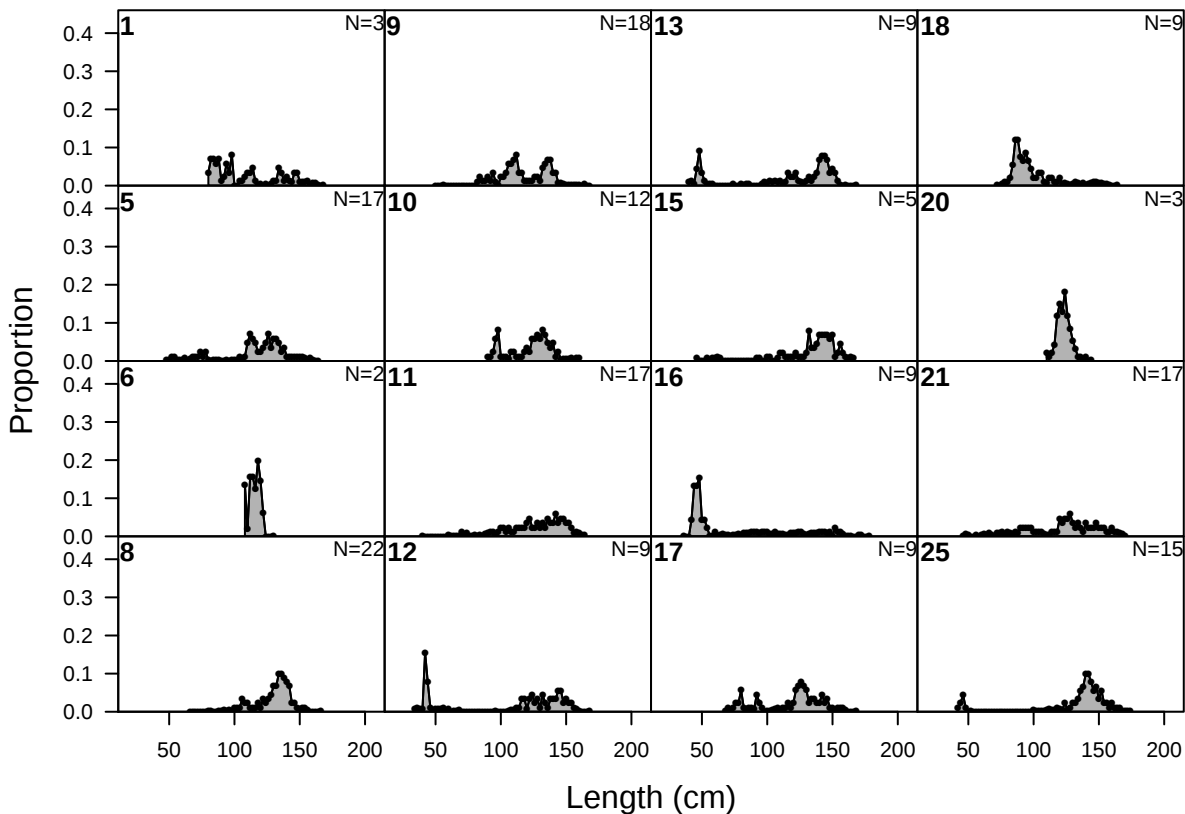
length comp data, whole catch, F8-DEL_I (max=0.22)



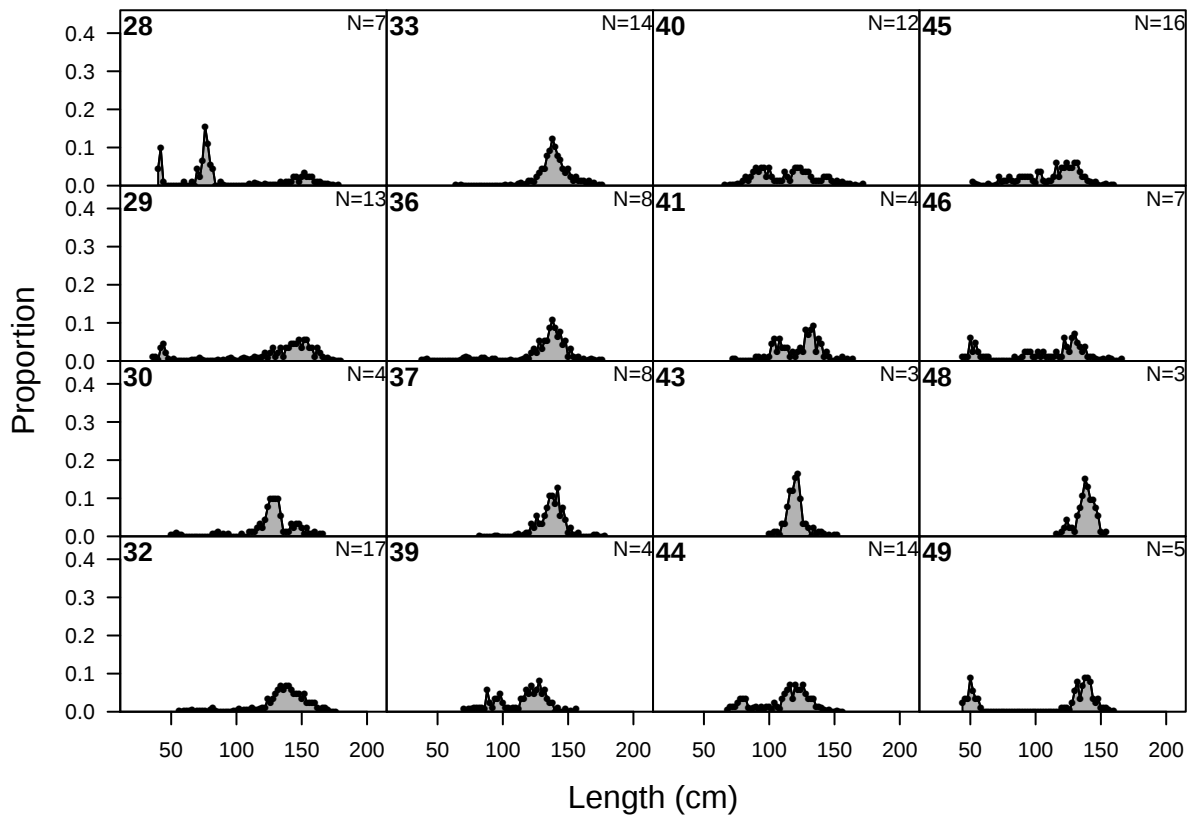
F8-DEL_I (whole catch)



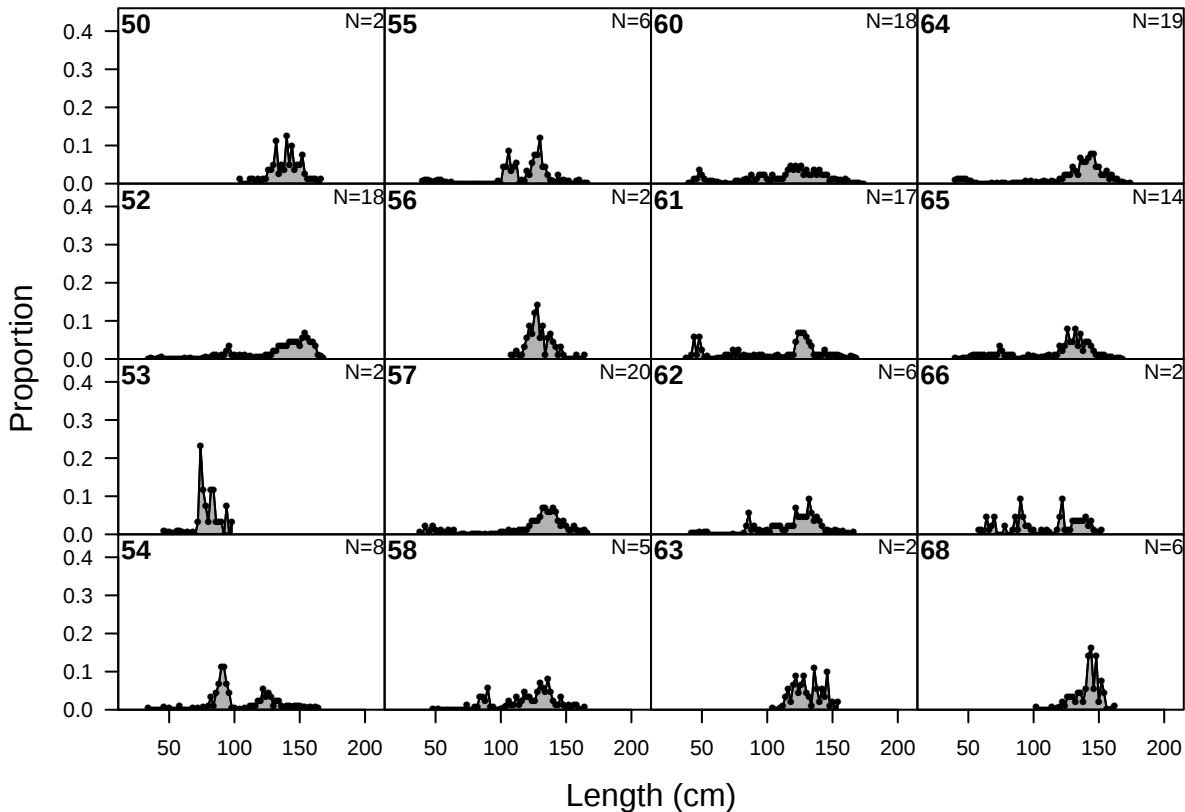
length comp data, whole catch, F9-DEL_S



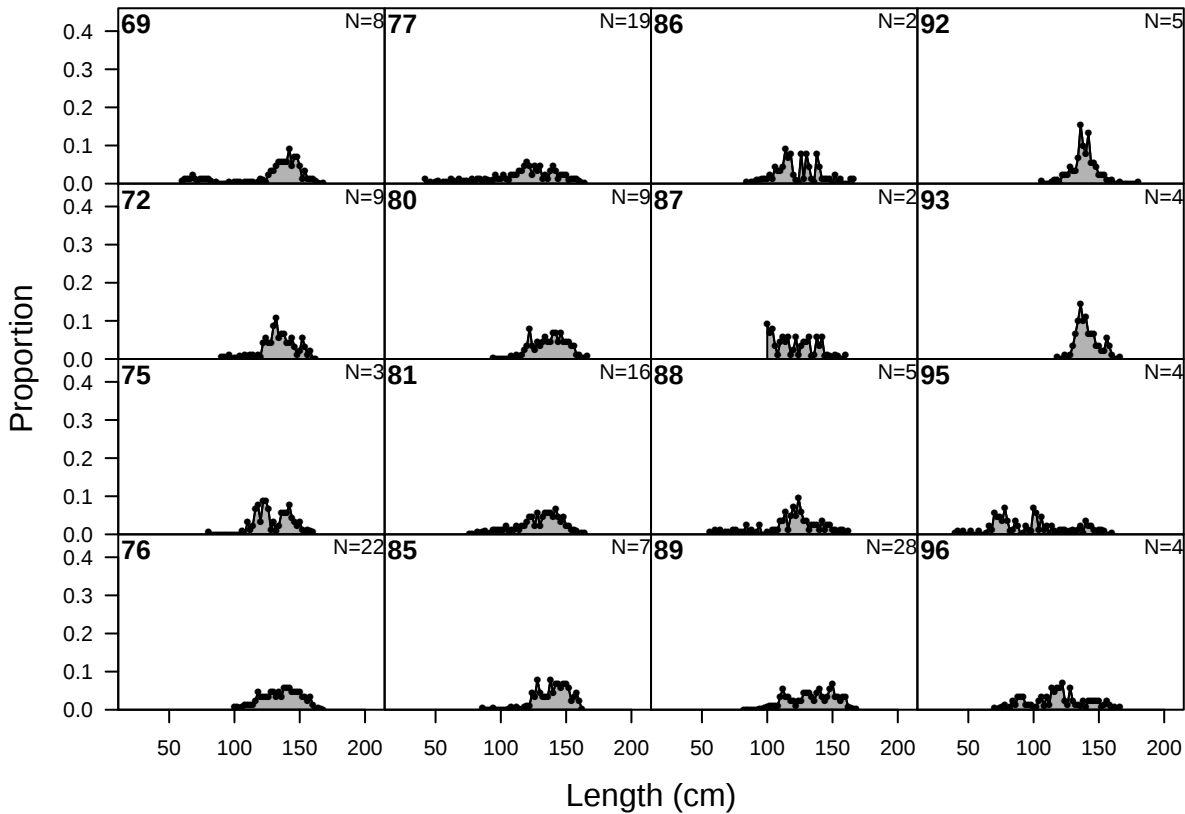
length comp data, whole catch, F9-DEL_S



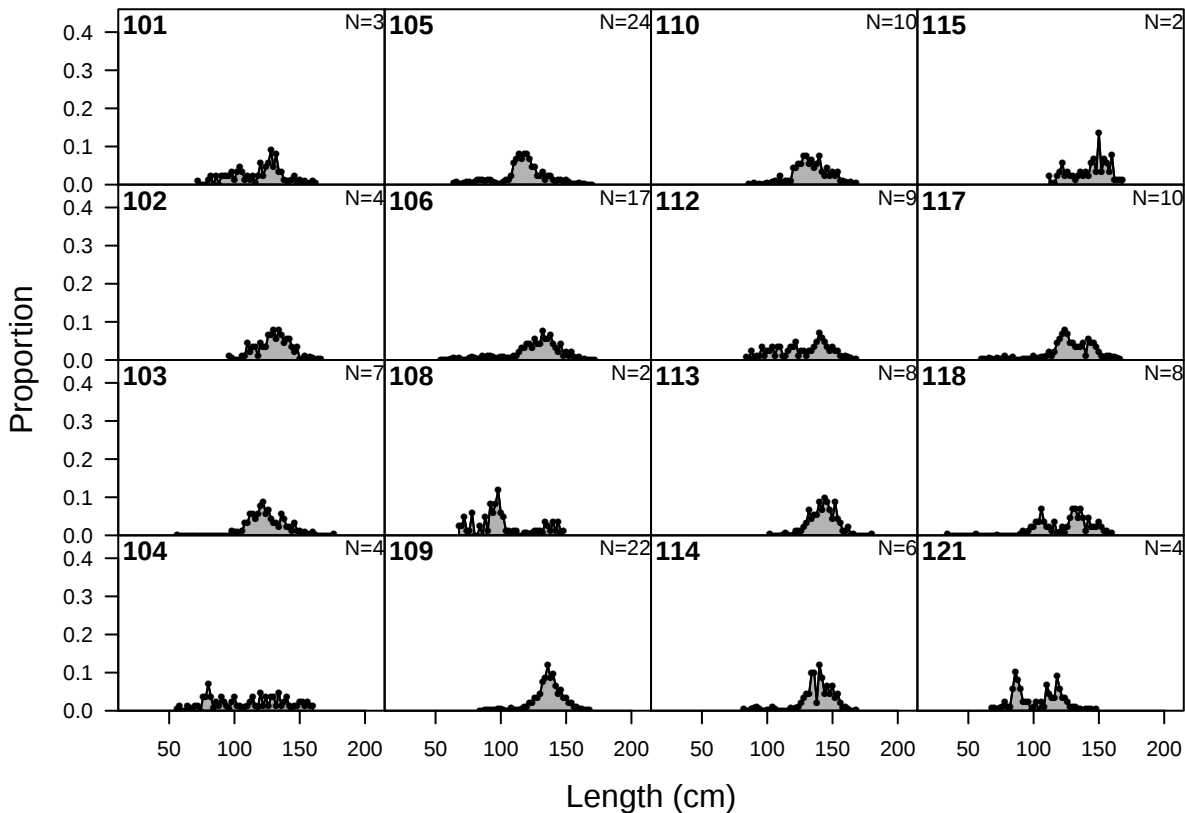
length comp data, whole catch, F9-DEL_S



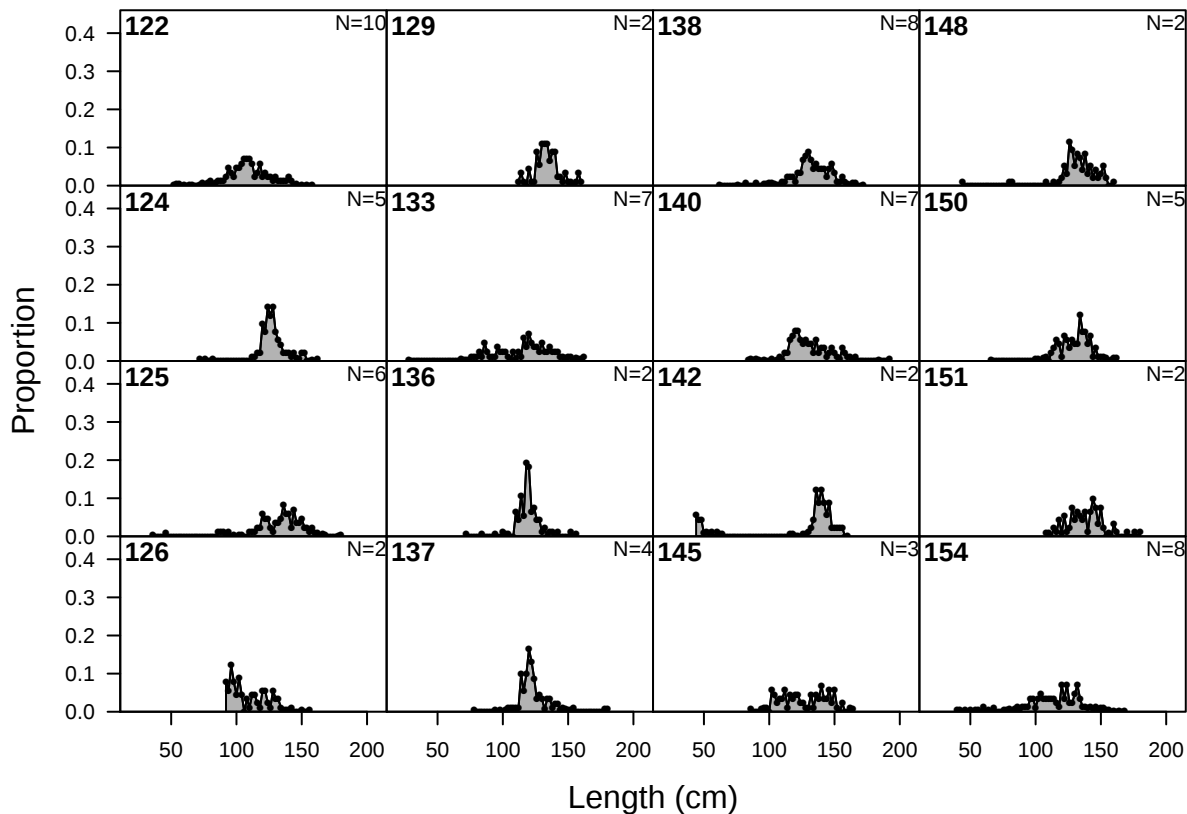
length comp data, whole catch, F9-DEL_S



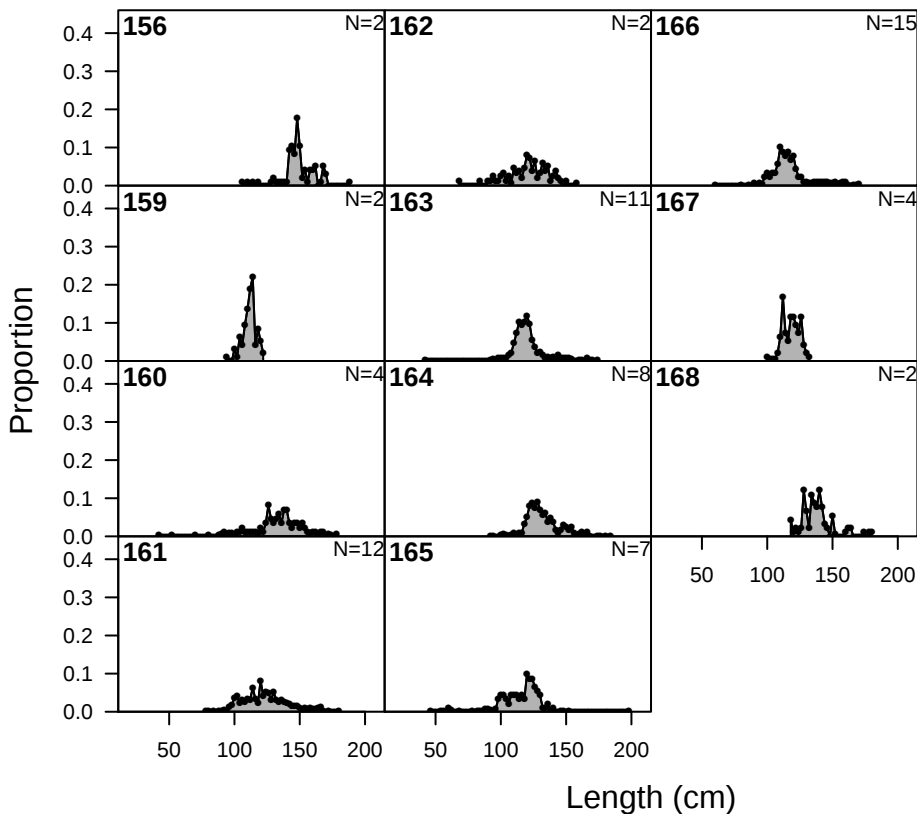
length comp data, whole catch, F9-DEL_S



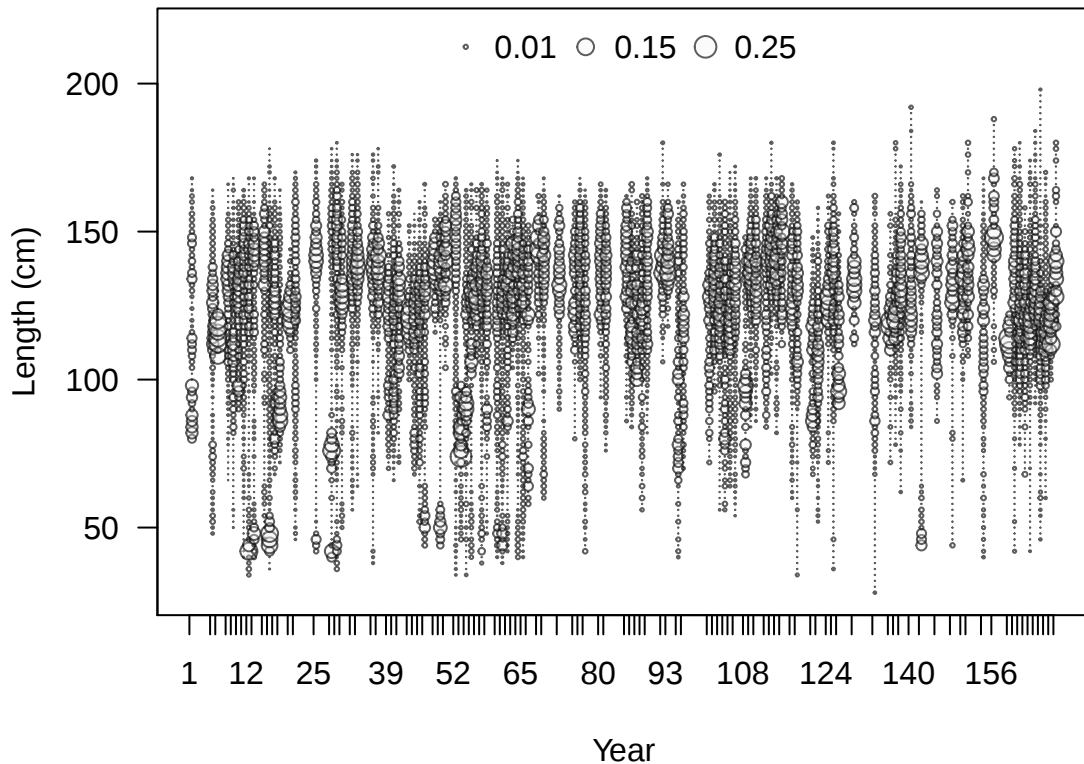
length comp data, whole catch, F9-DEL_S



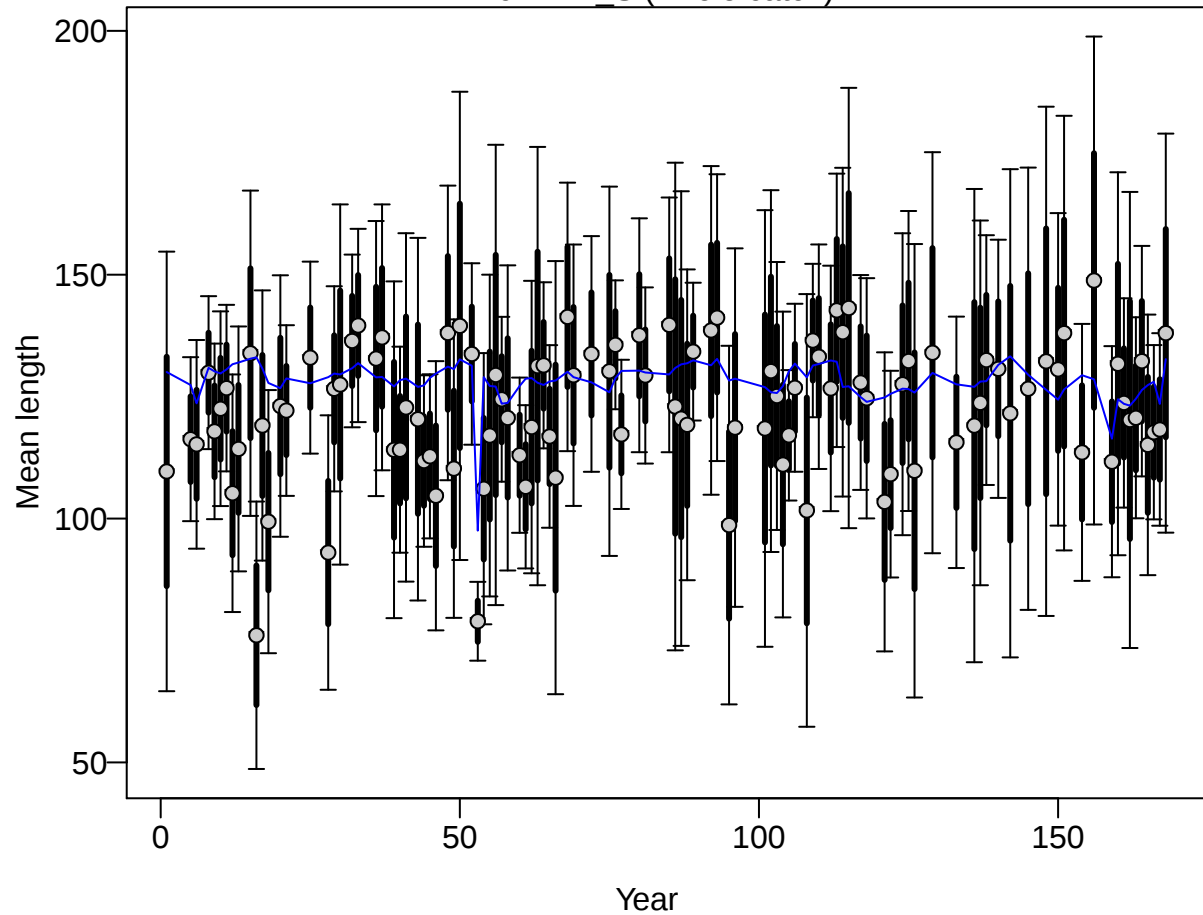
length comp data, whole catch, F9-DEL_S



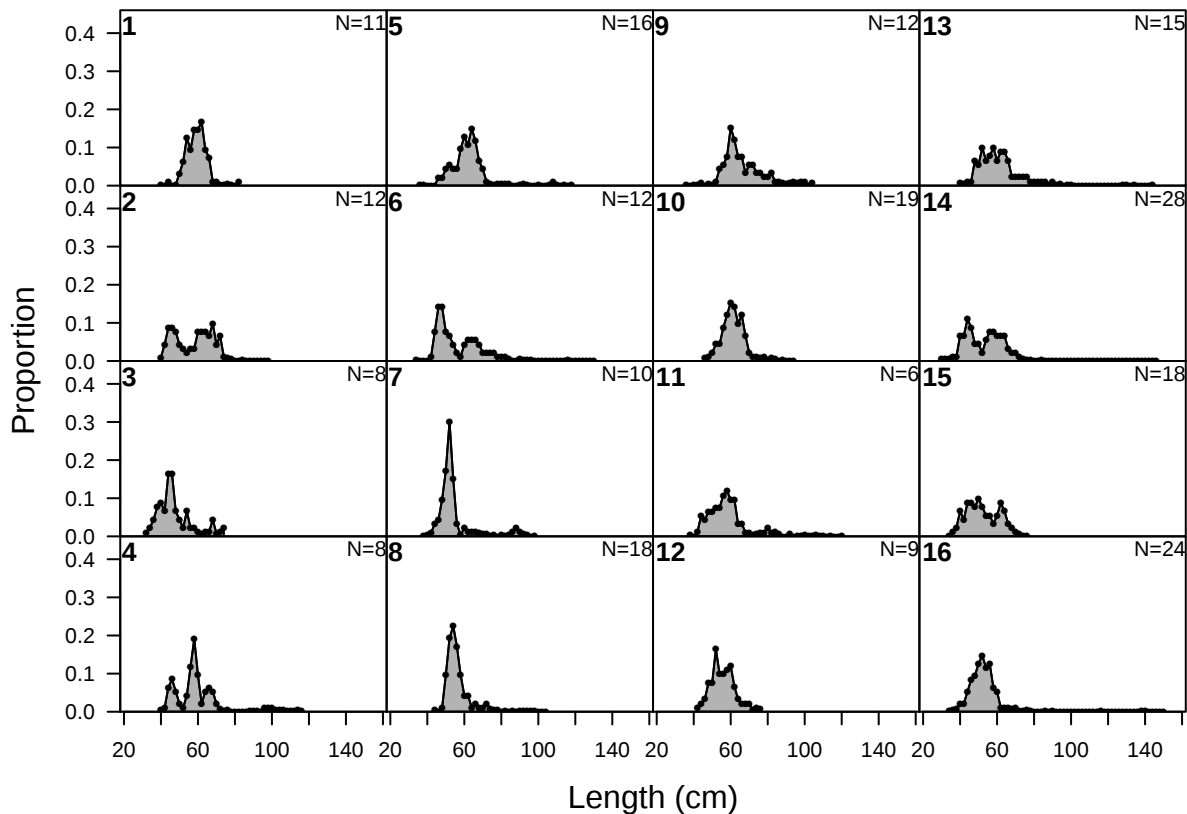
length comp data, whole catch, F9-DEL_S (max=0.23)



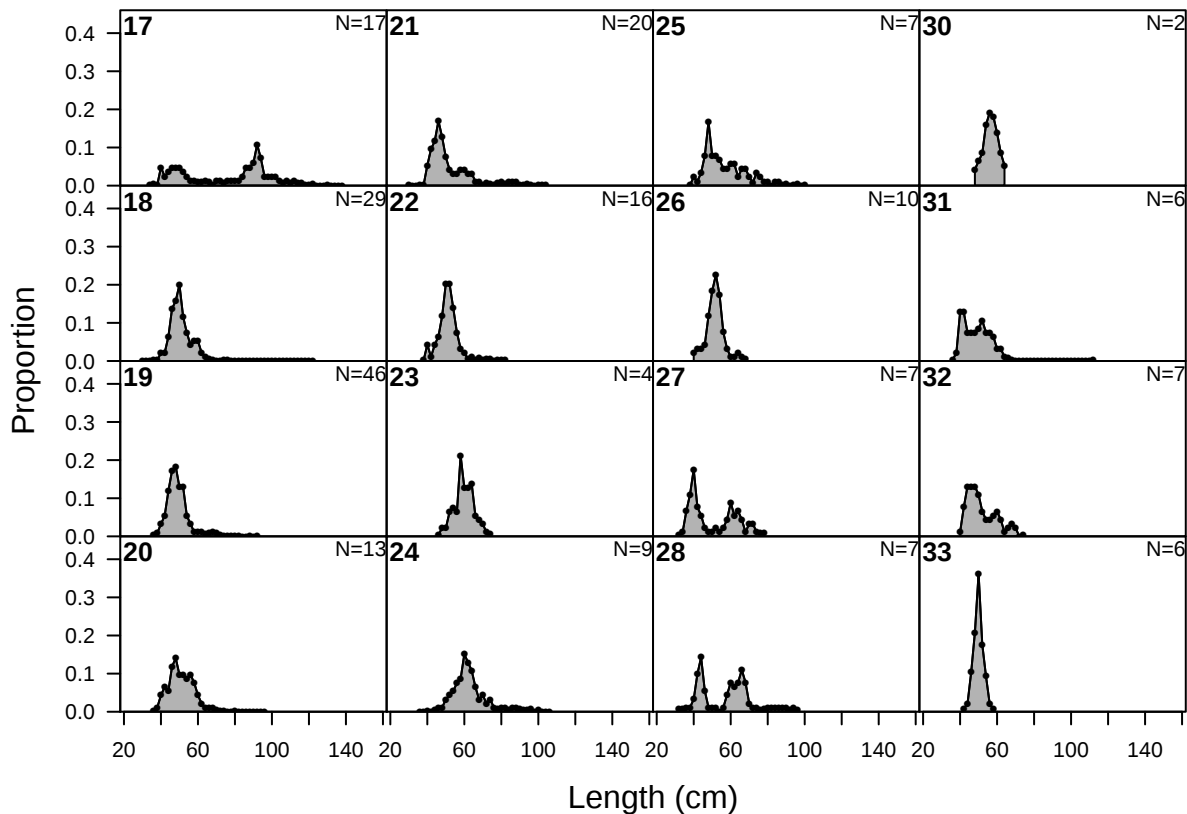
F9-DEL S (whole catch)



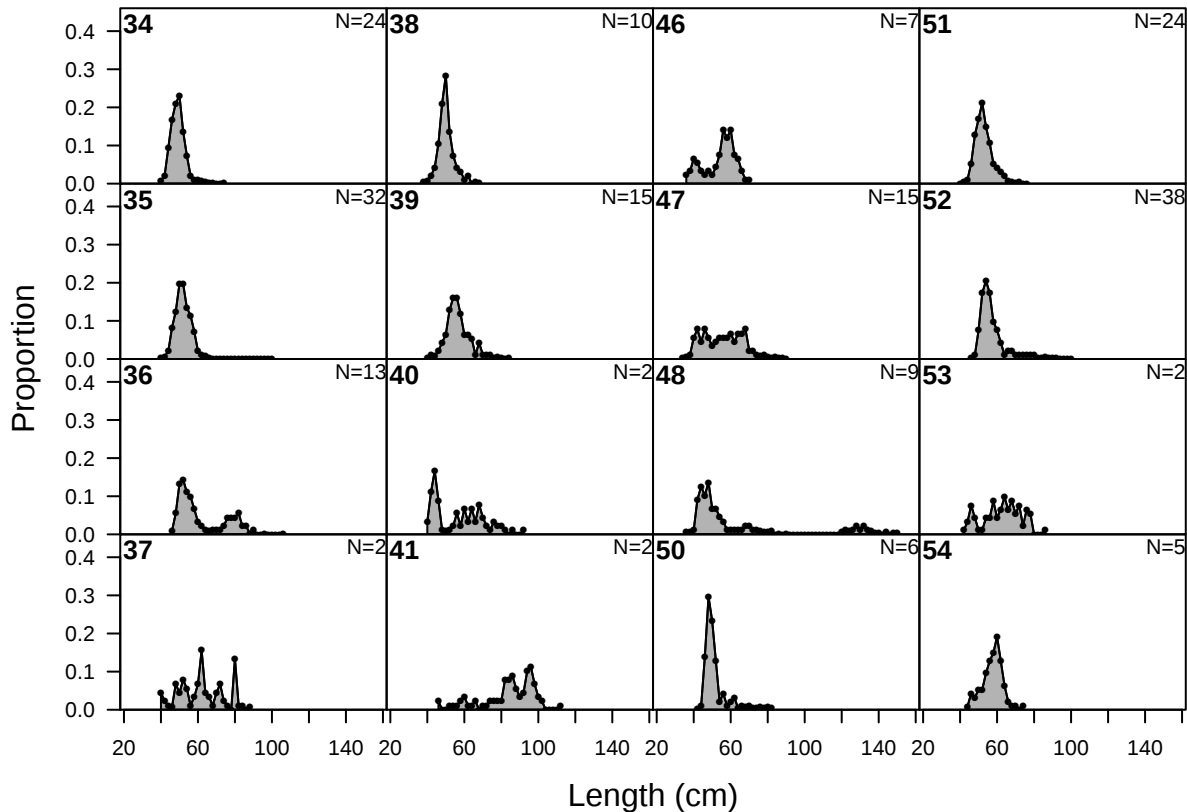
length comp data, whole catch, F10-BB



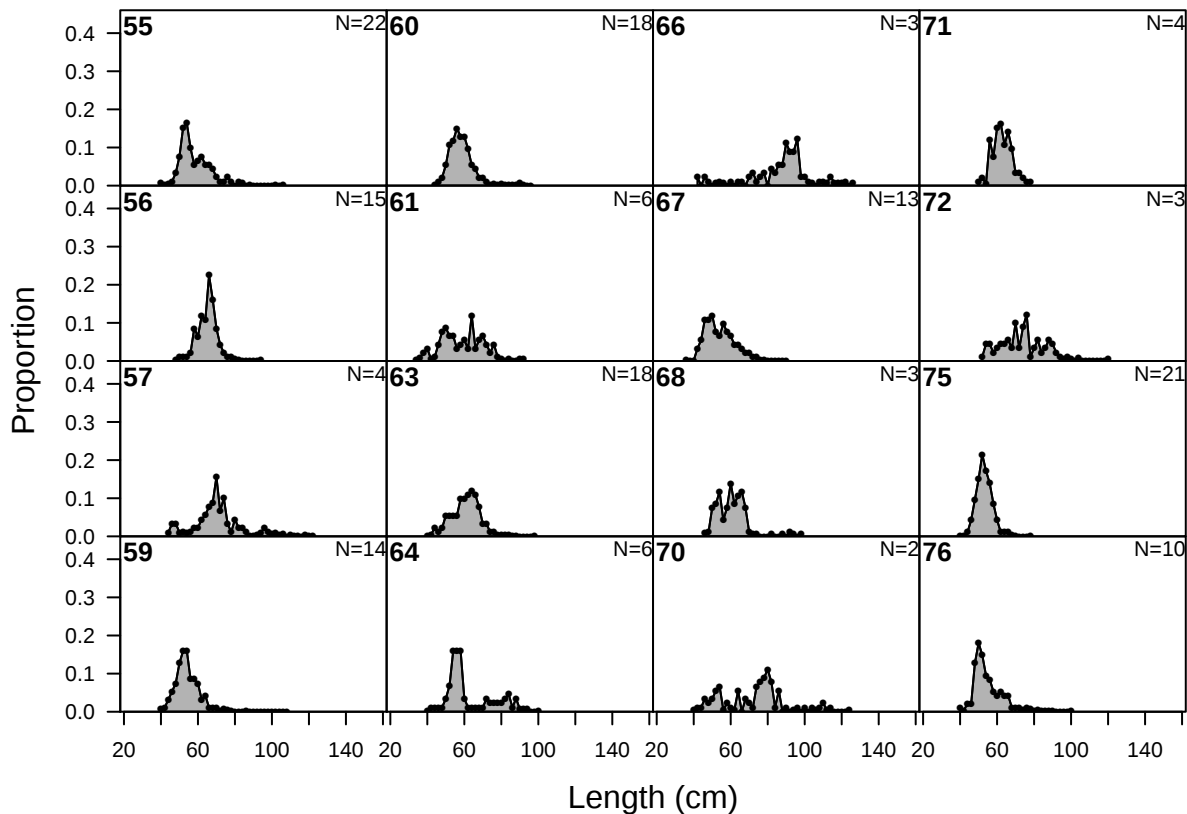
length comp data, whole catch, F10-BB



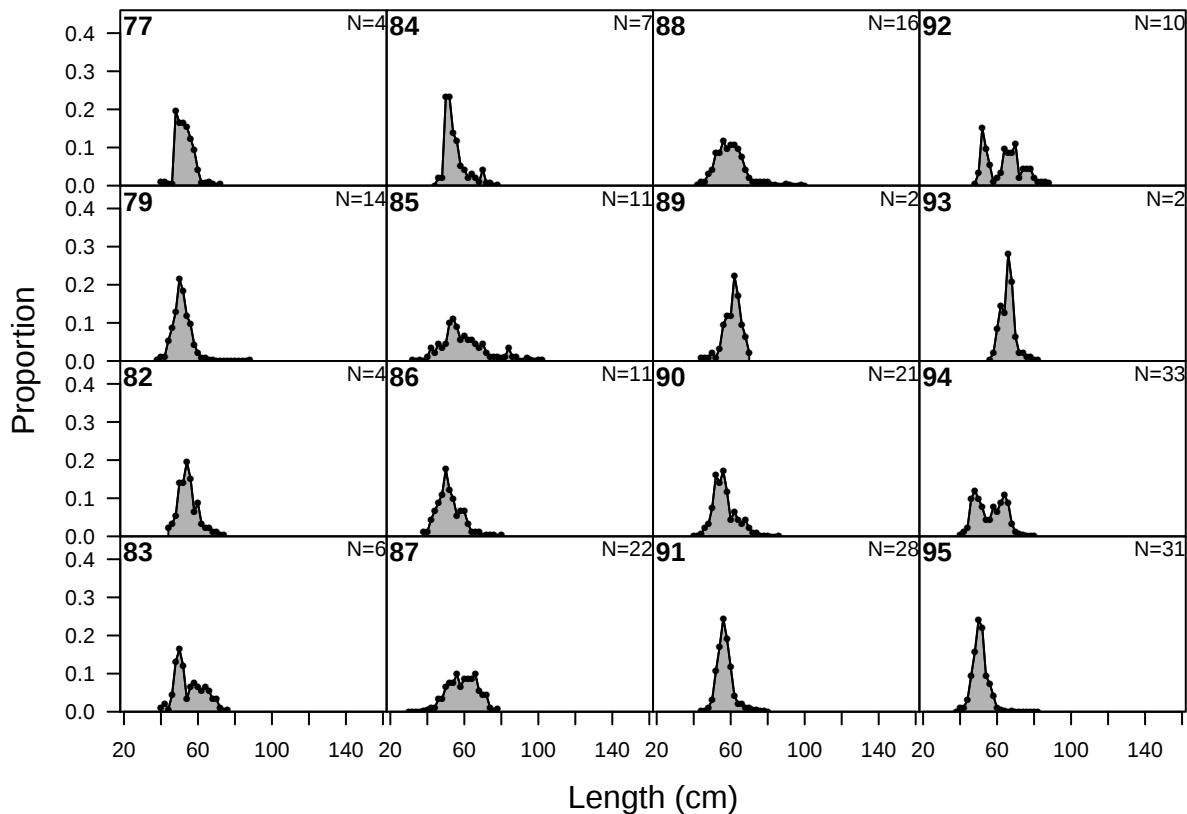
length comp data, whole catch, F10-BB



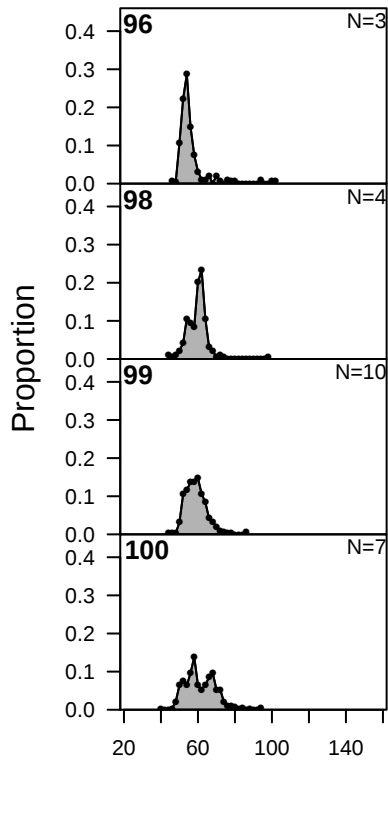
length comp data, whole catch, F10-BB



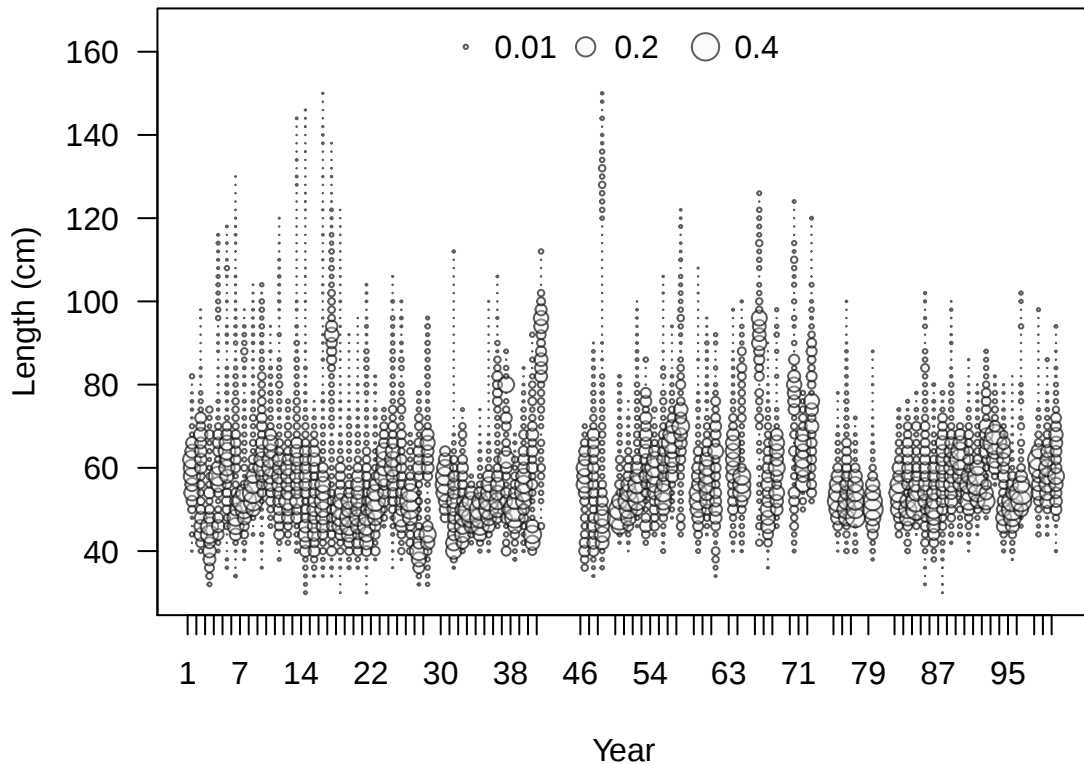
length comp data, whole catch, F10-BB



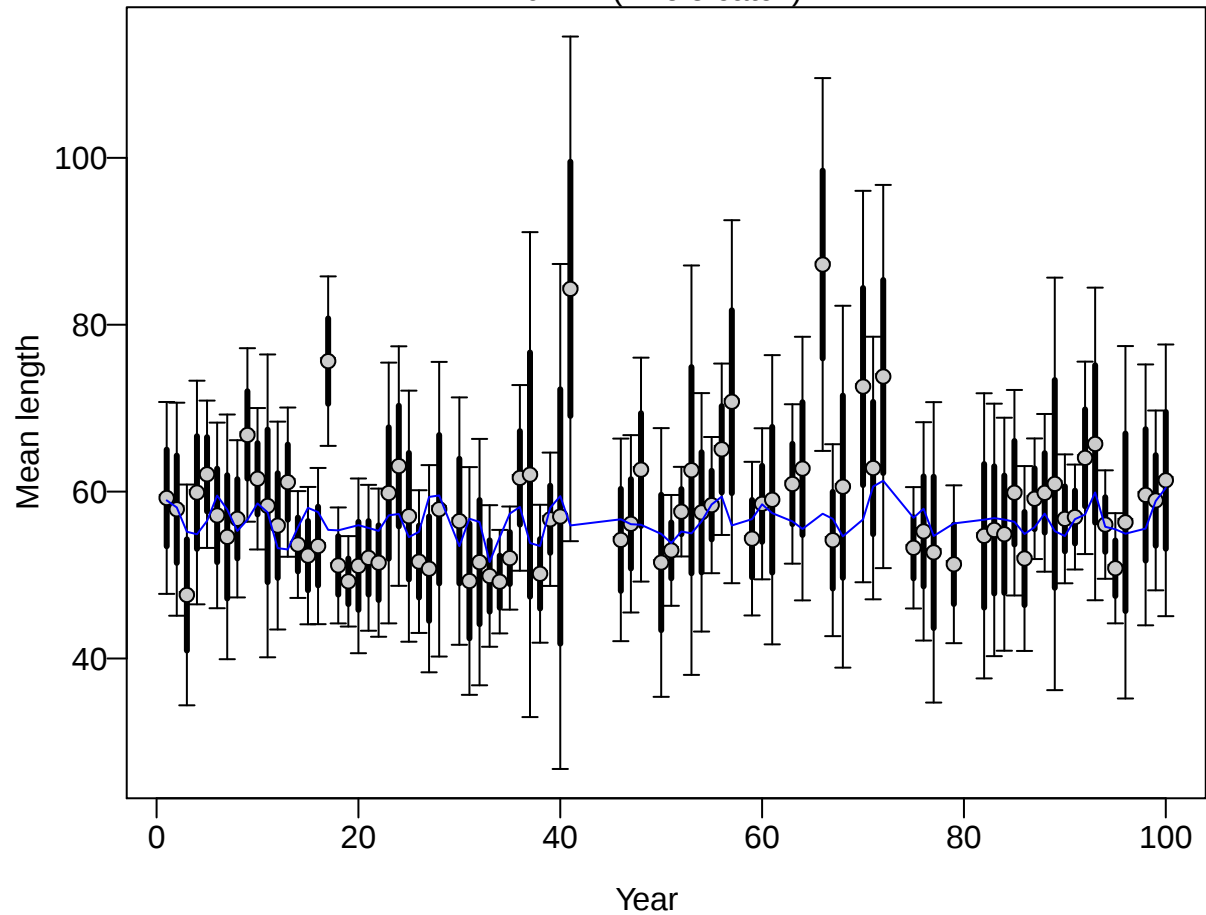
length comp data, whole catch, F10-BB



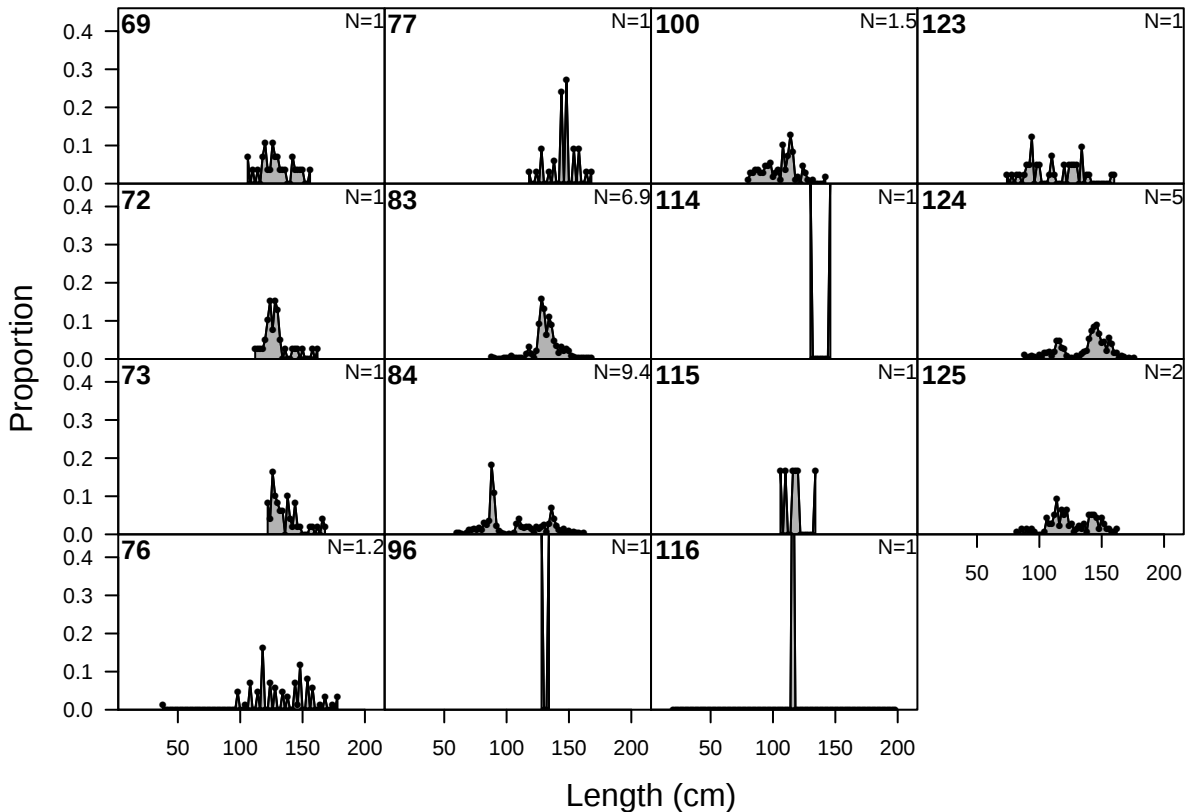
length comp data, whole catch, F10-BB (max=0.36)



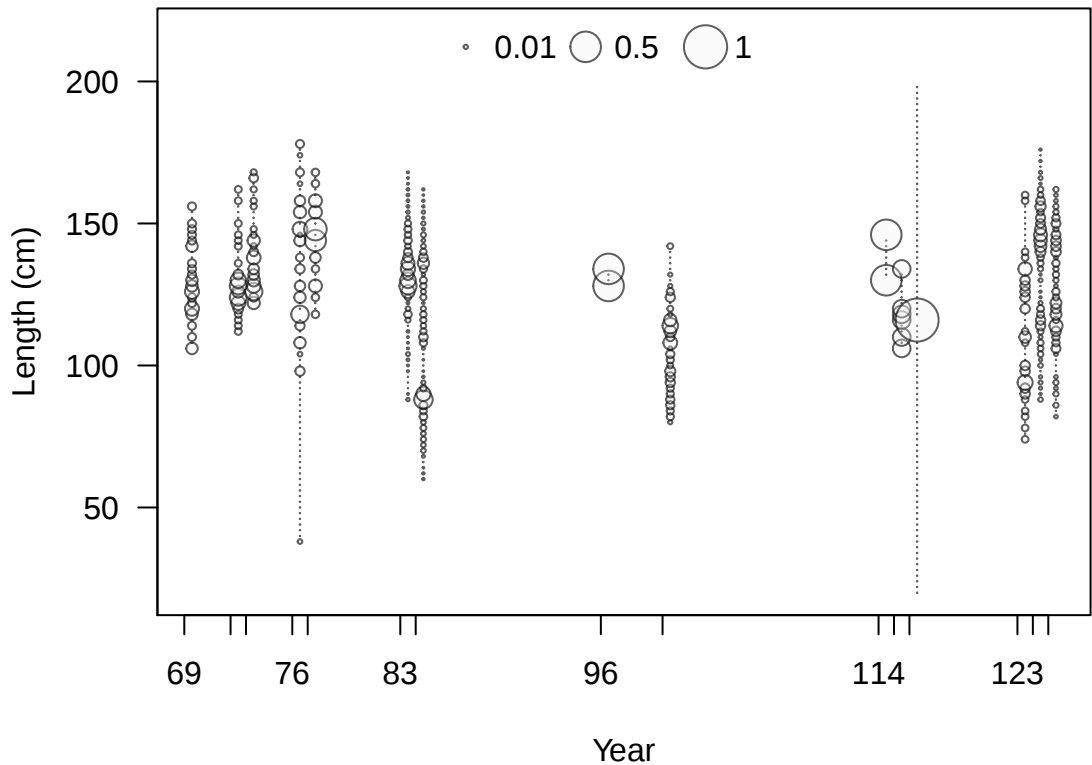
F10-BB (whole catch)



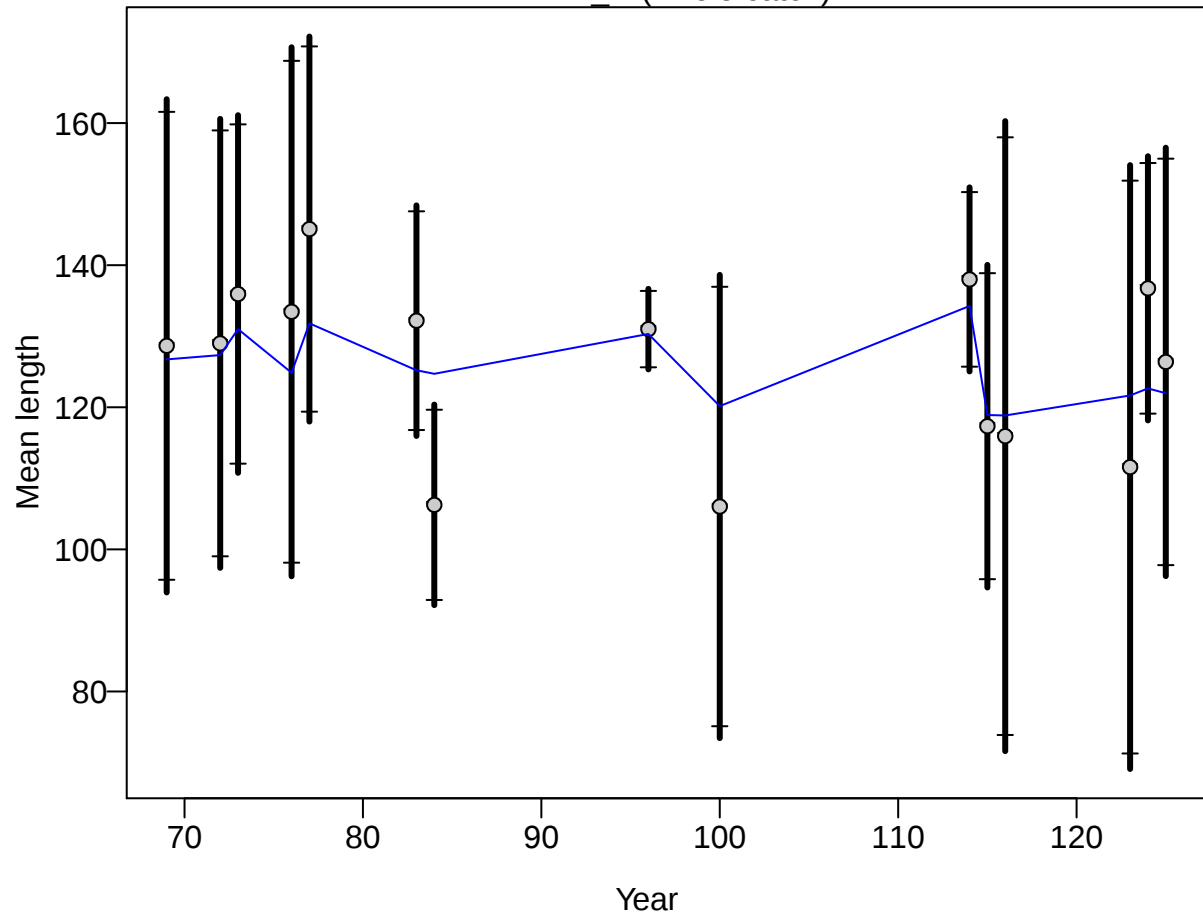
length comp data, whole catch, F11-LL_N



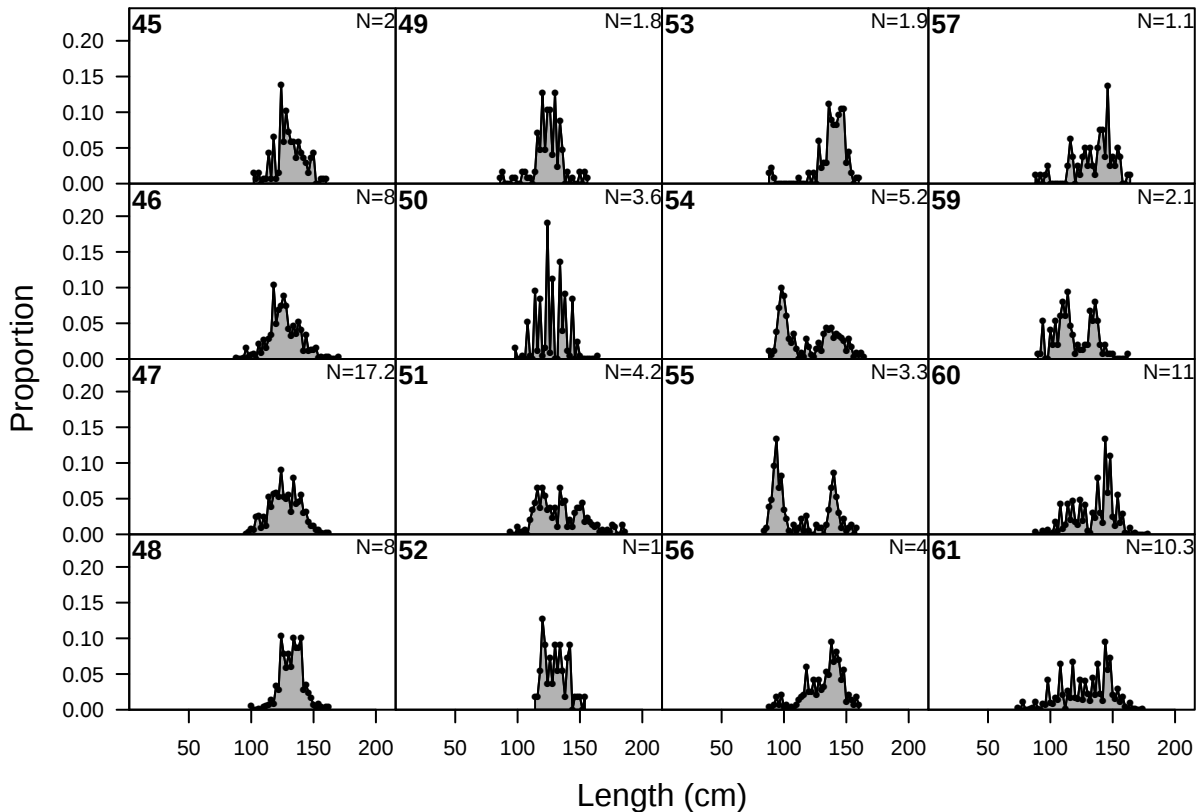
length comp data, whole catch, F11-LL_N (max=0.99)



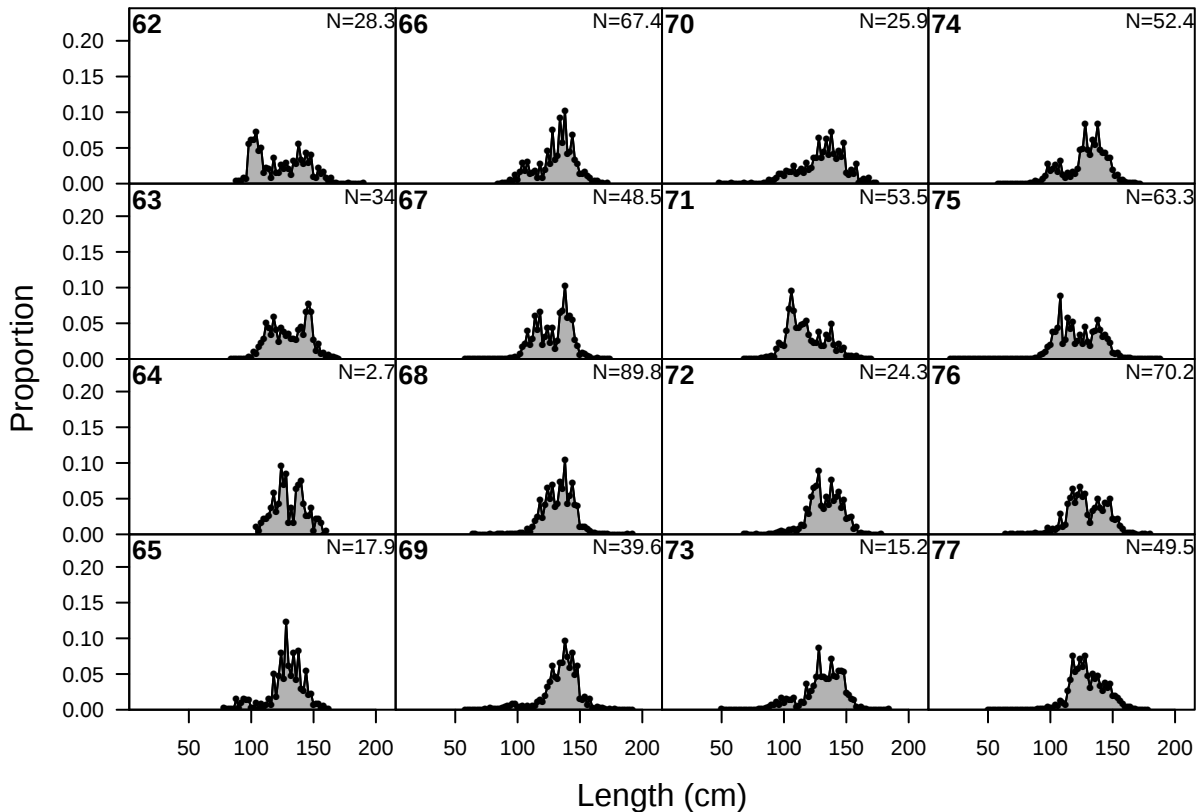
F11-LL_N (whole catch)



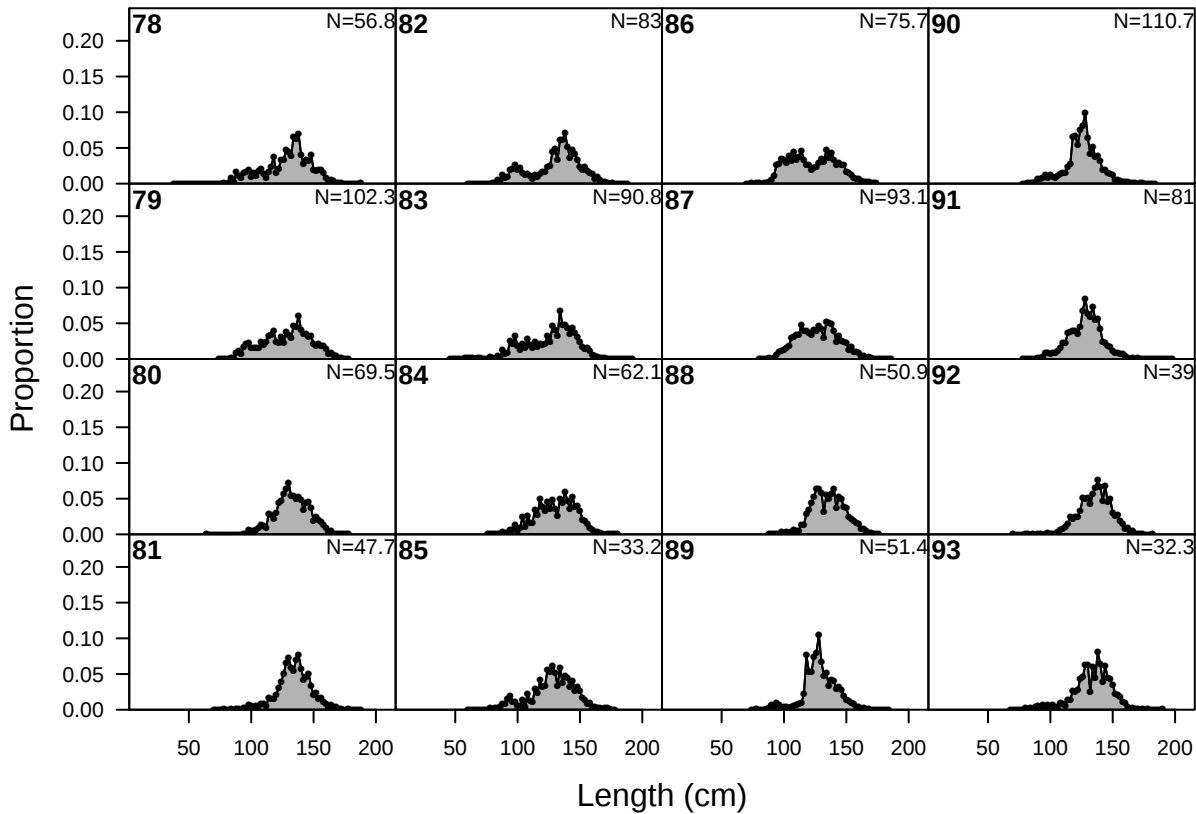
length comp data, whole catch, F12-LL_S



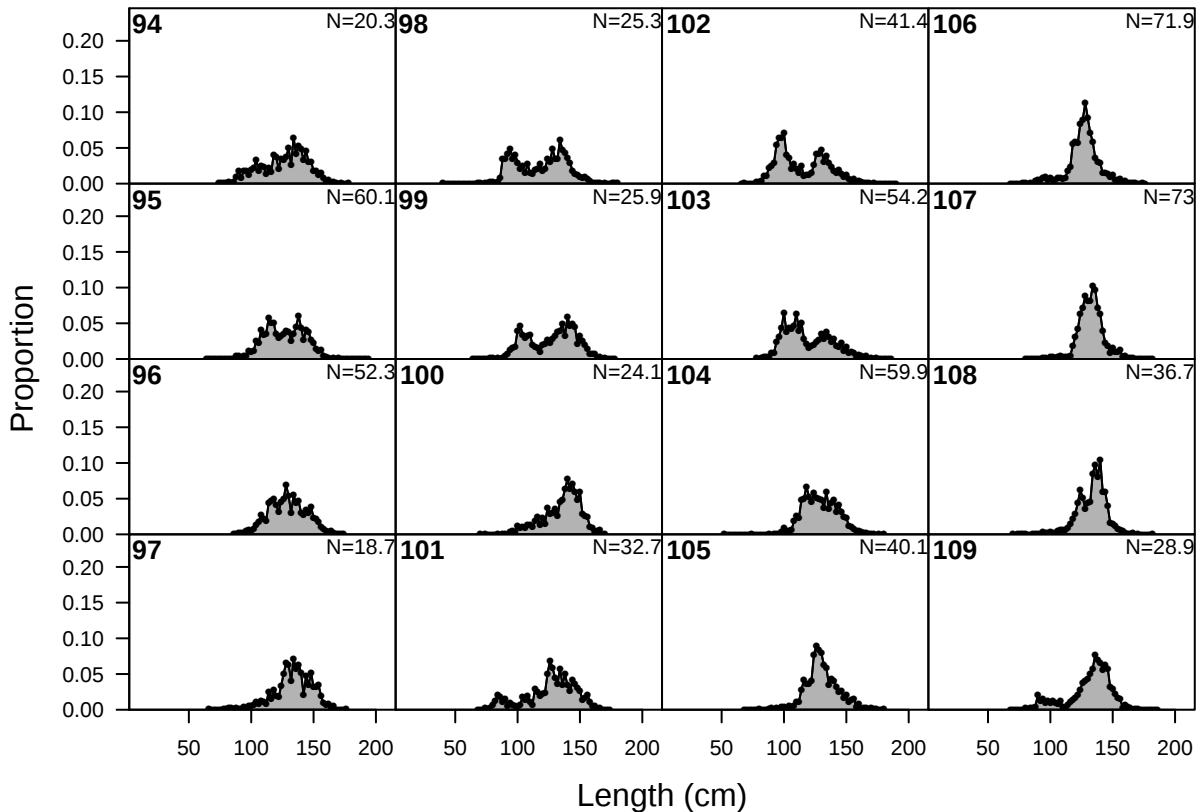
length comp data, whole catch, F12-LL_S



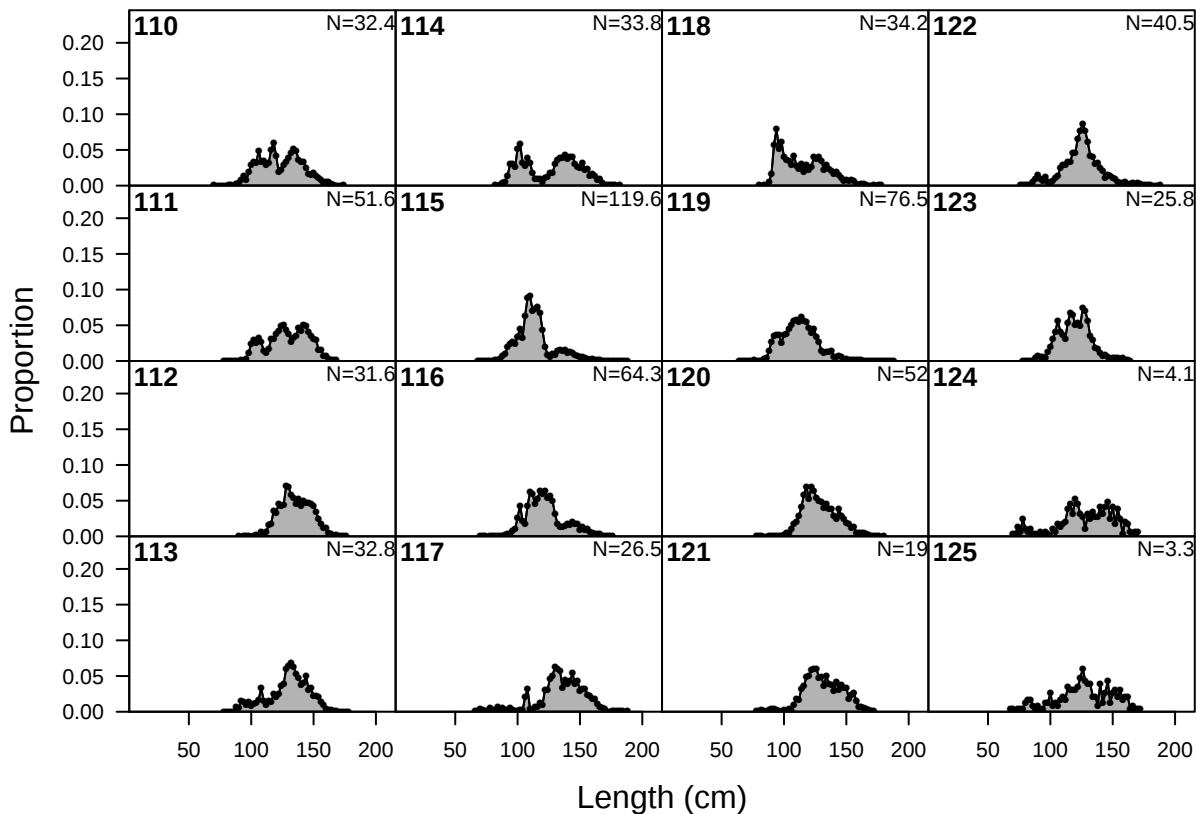
length comp data, whole catch, F12-LL_S



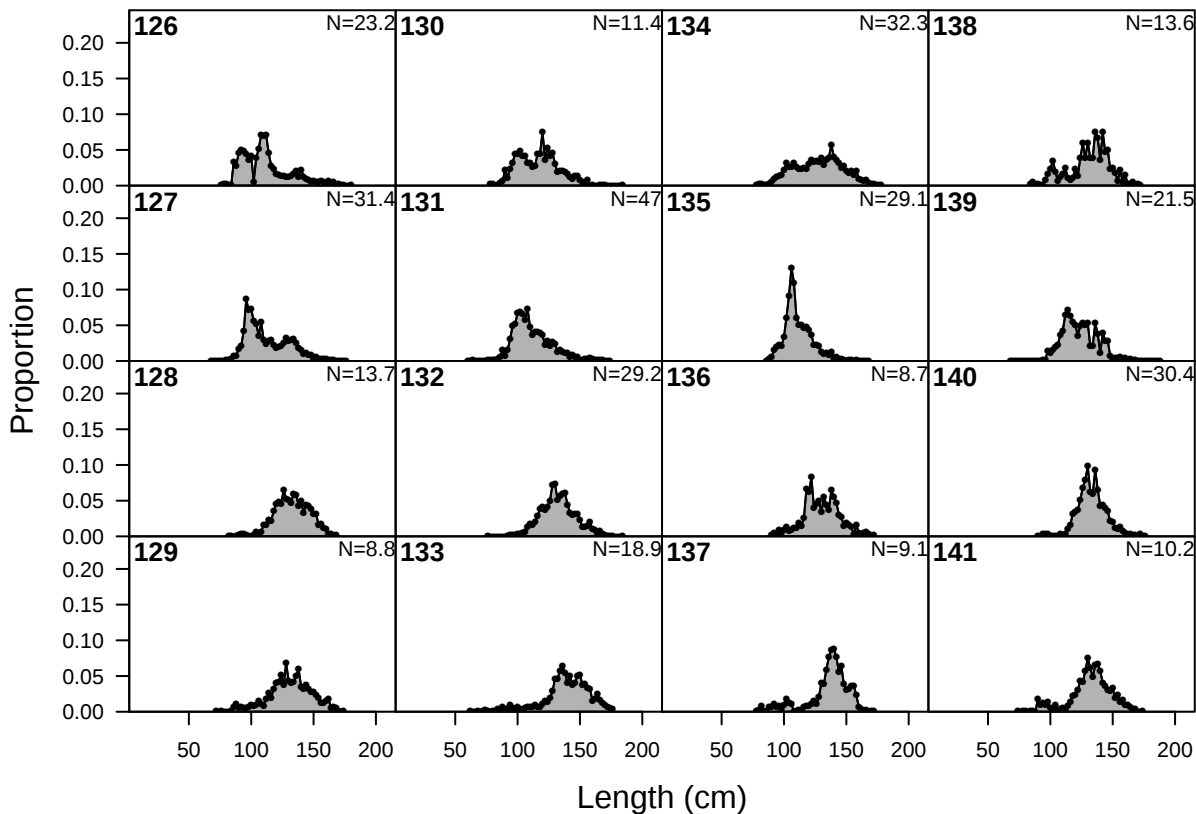
length comp data, whole catch, F12-LL_S



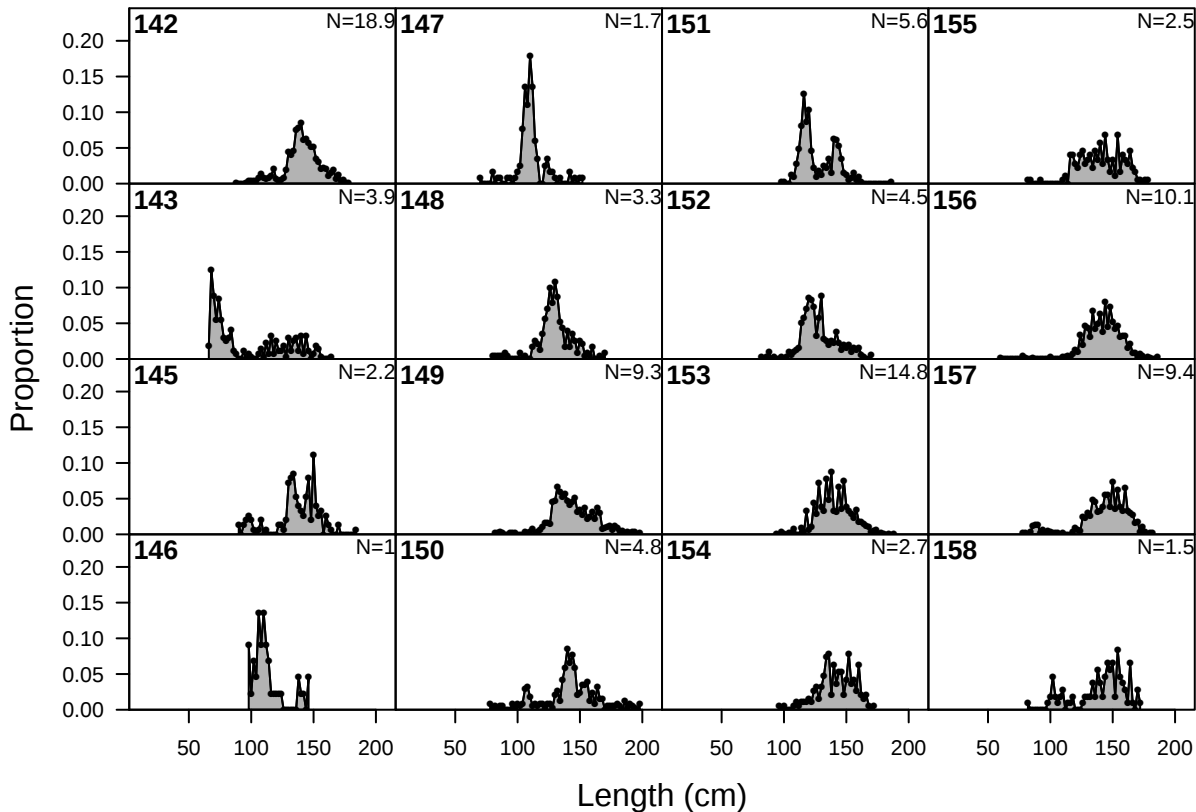
length comp data, whole catch, F12-LL_S



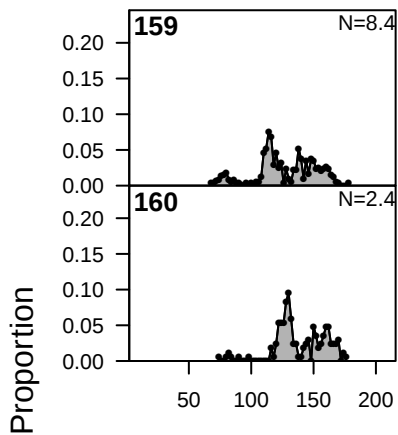
length comp data, whole catch, F12-LL_S



length comp data, whole catch, F12-LL_S

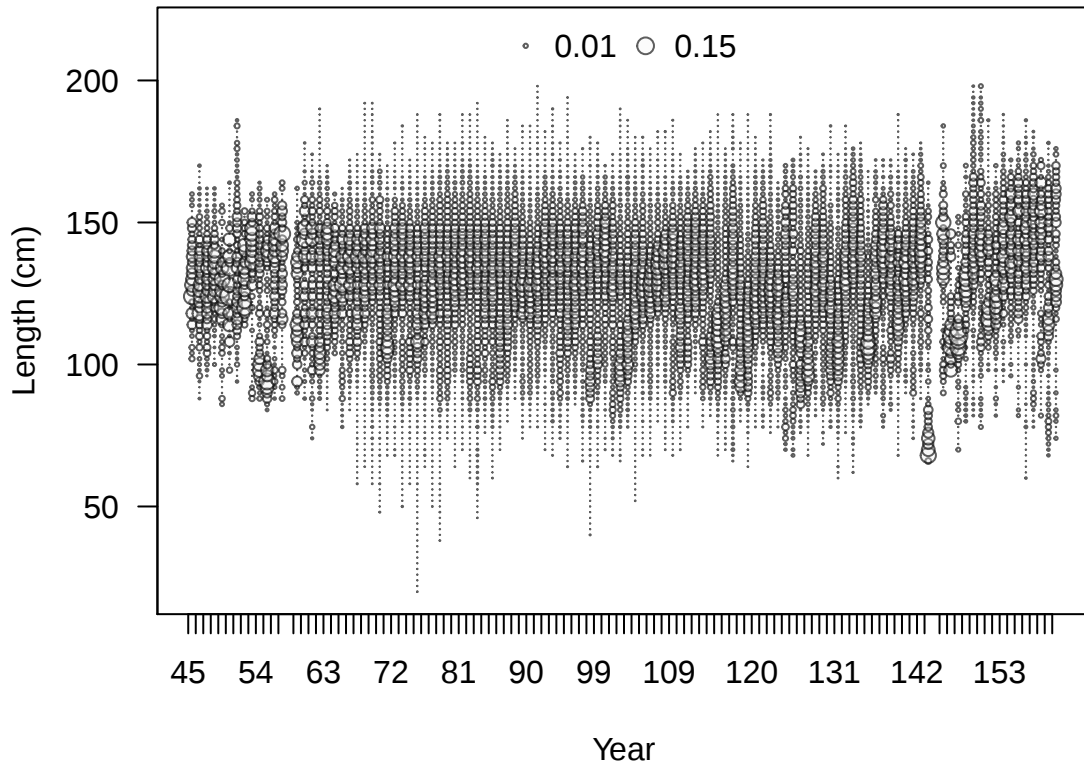


length comp data, whole catch, F12-LL_S

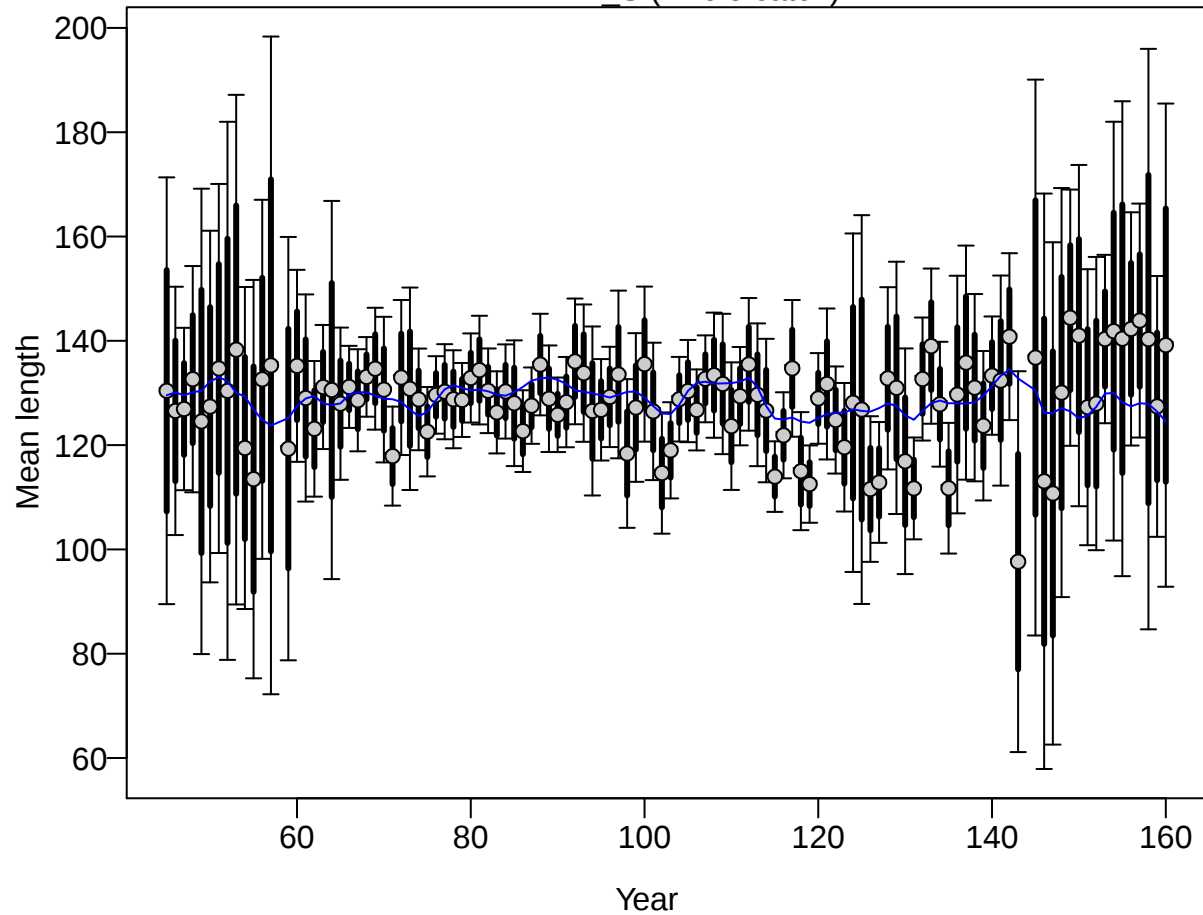


Length (cm)

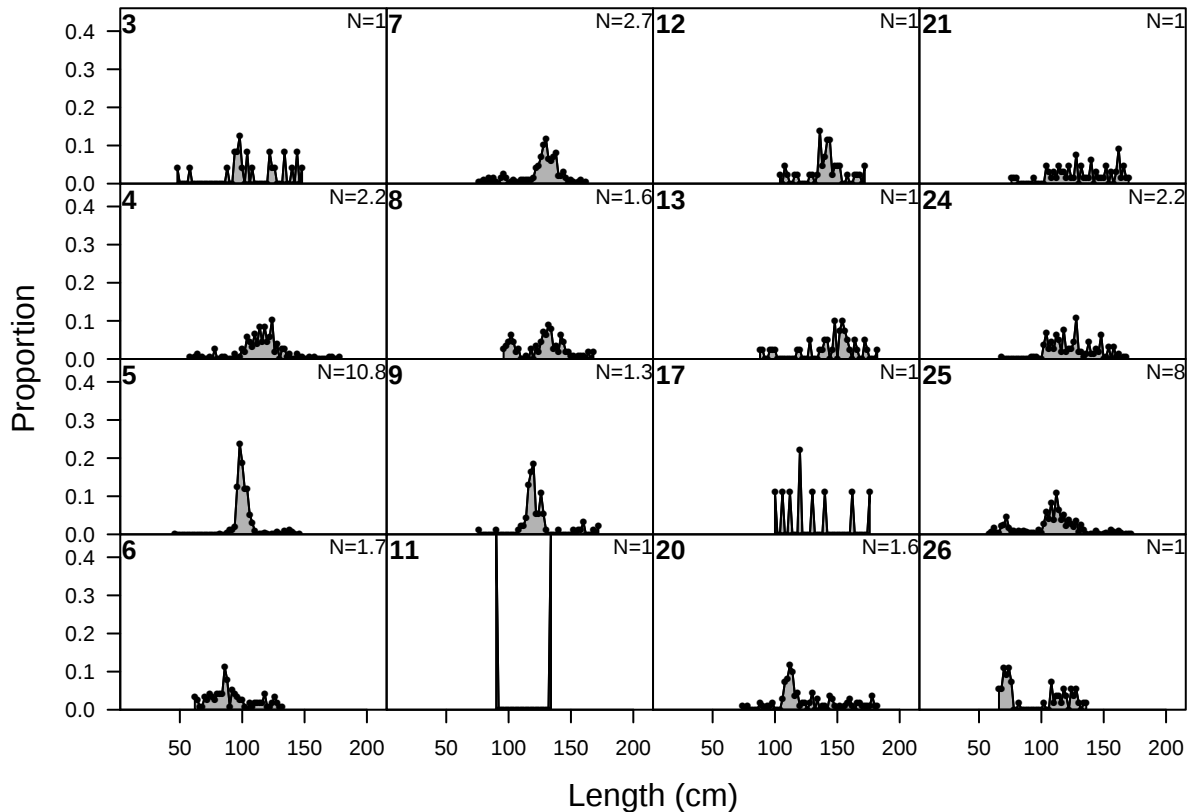
length comp data, whole catch, F12-LL_S (max=0.19)



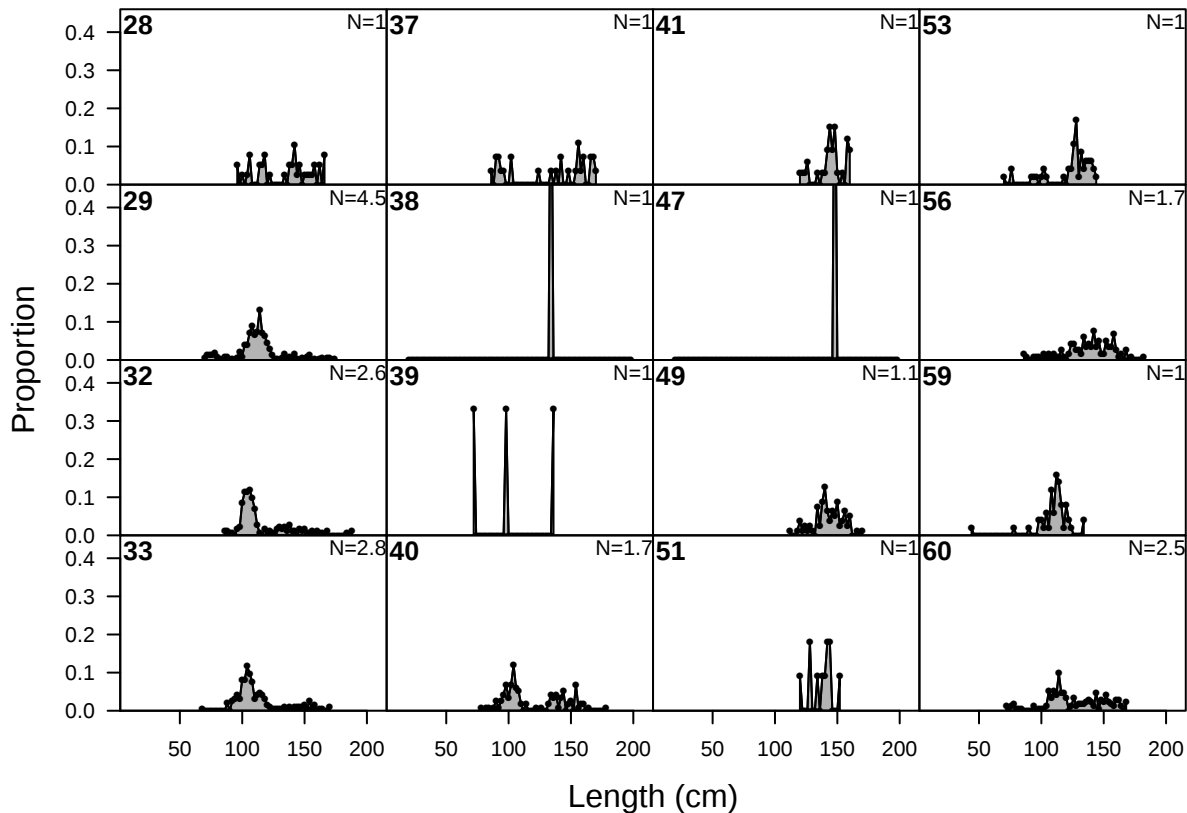
F12-LL_S (whole catch)



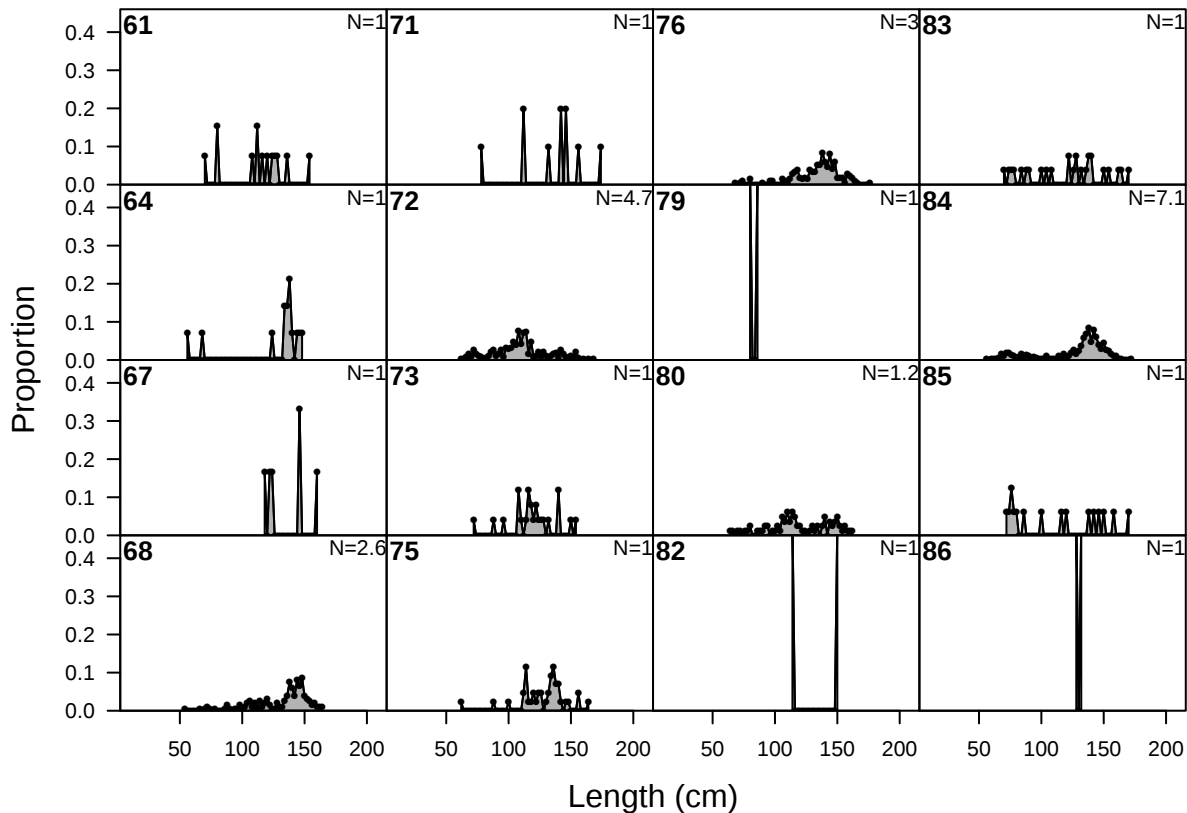
length comp data, whole catch, S3-LLt_N_Length



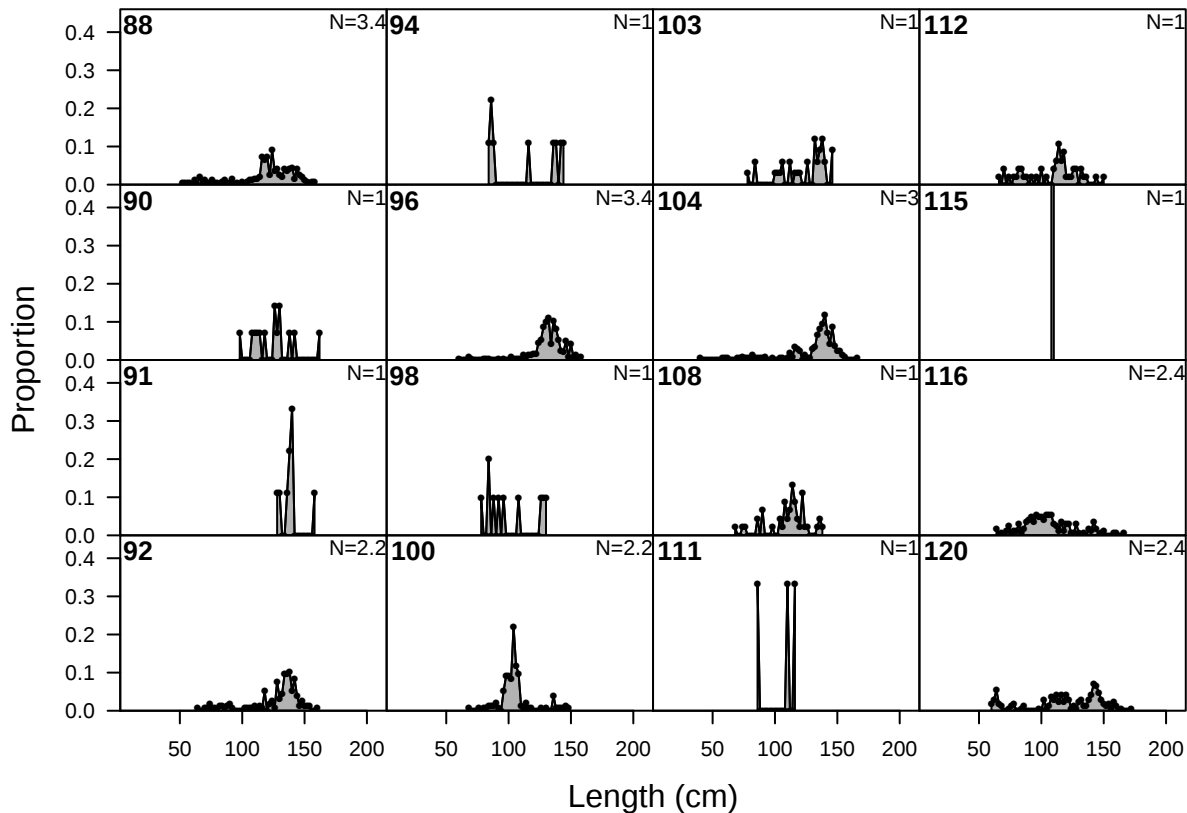
length comp data, whole catch, S3-LLt_N_Length



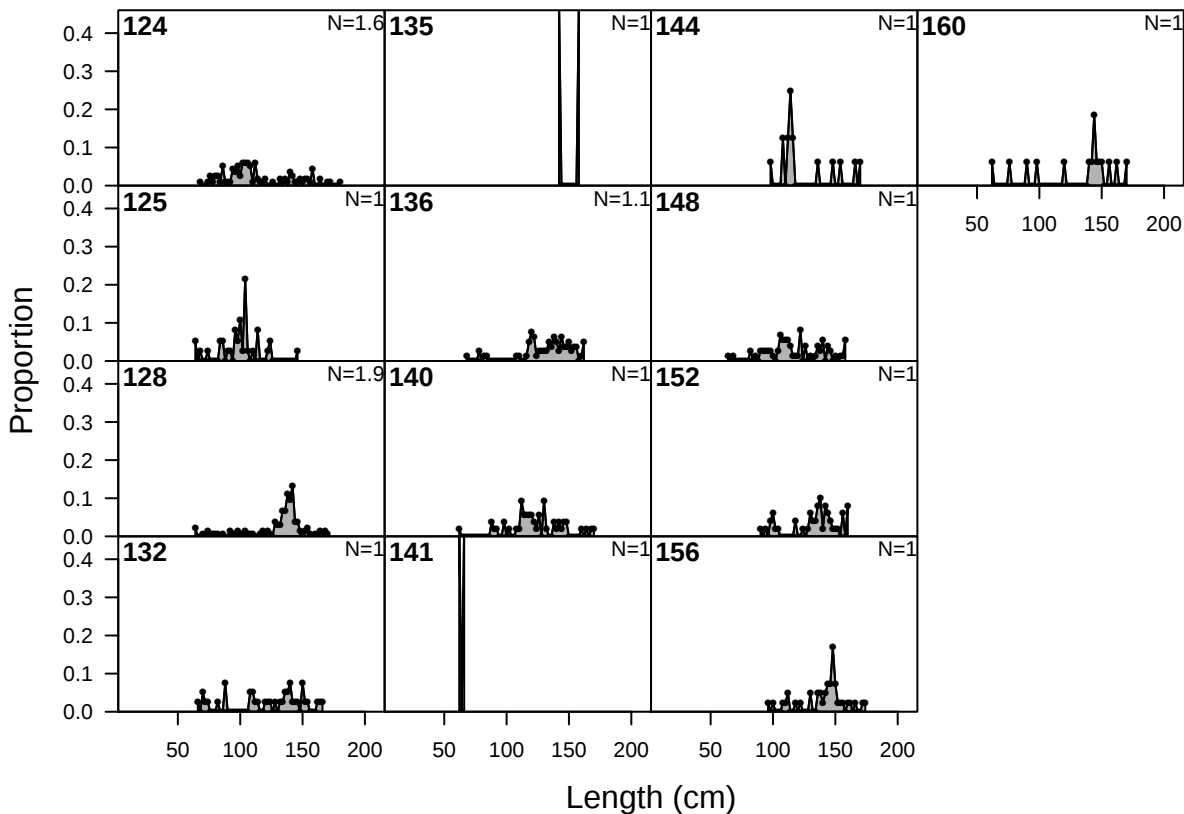
length comp data, whole catch, S3-LLt_N_Length



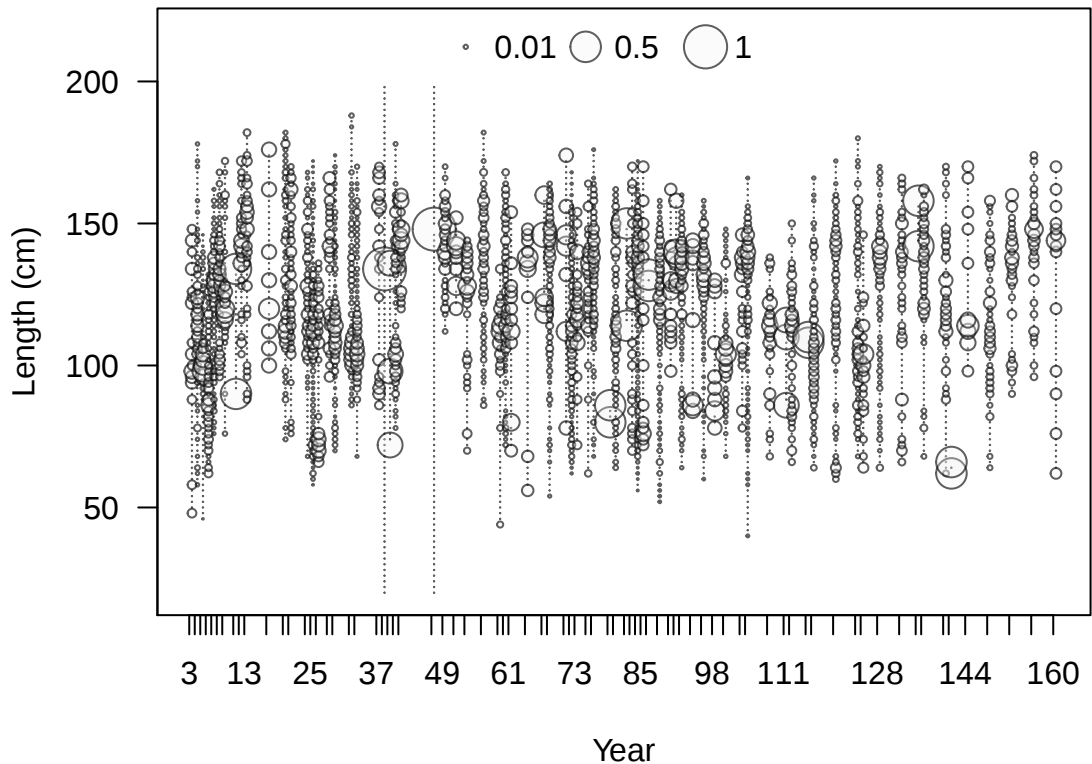
length comp data, whole catch, S3-LLt_N_Length



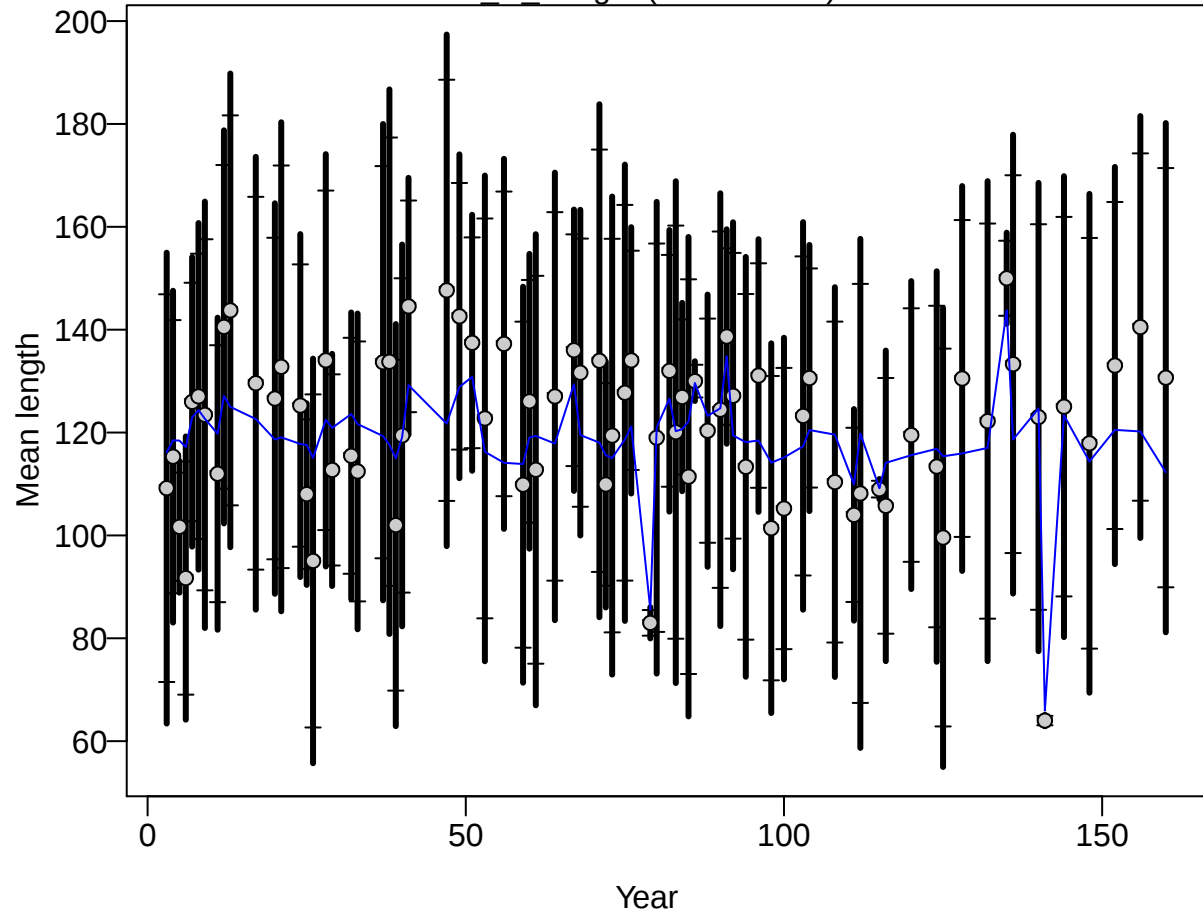
length comp data, whole catch, S3-LLt_N_Length



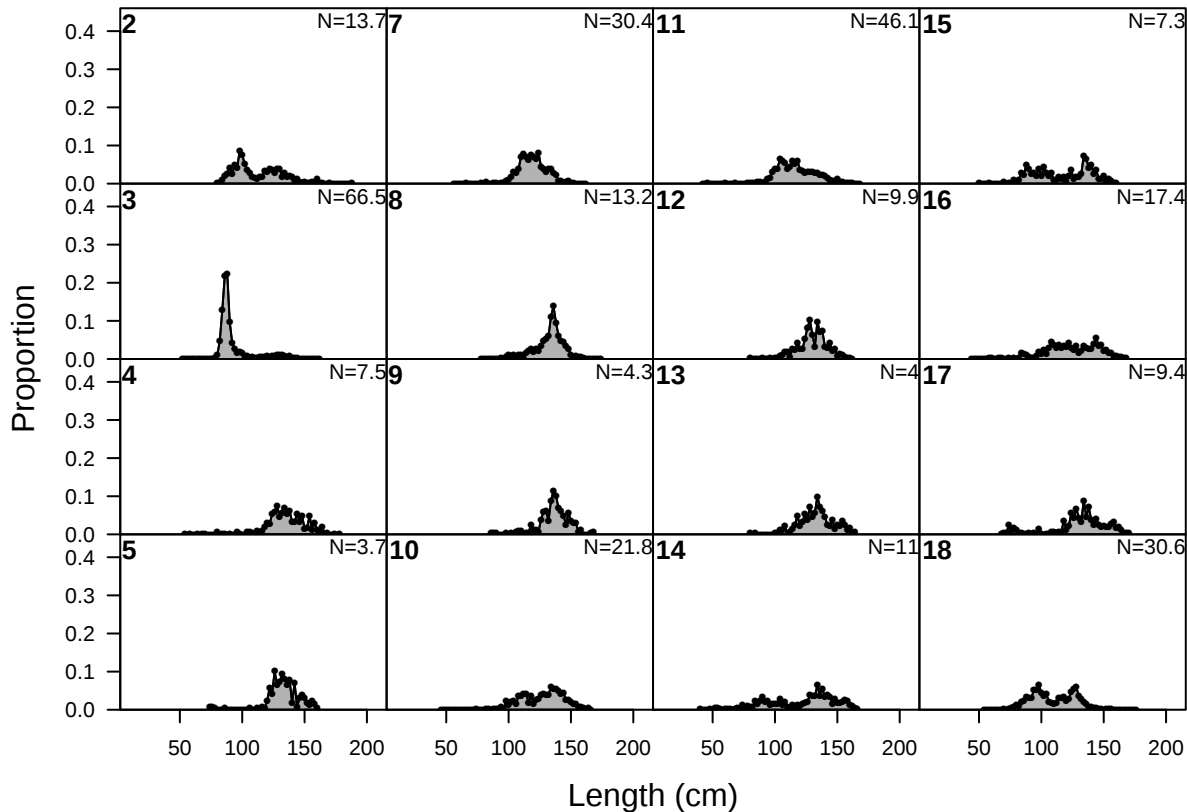
length comp data, whole catch, S3-LLt_N_Length (max=0.99)



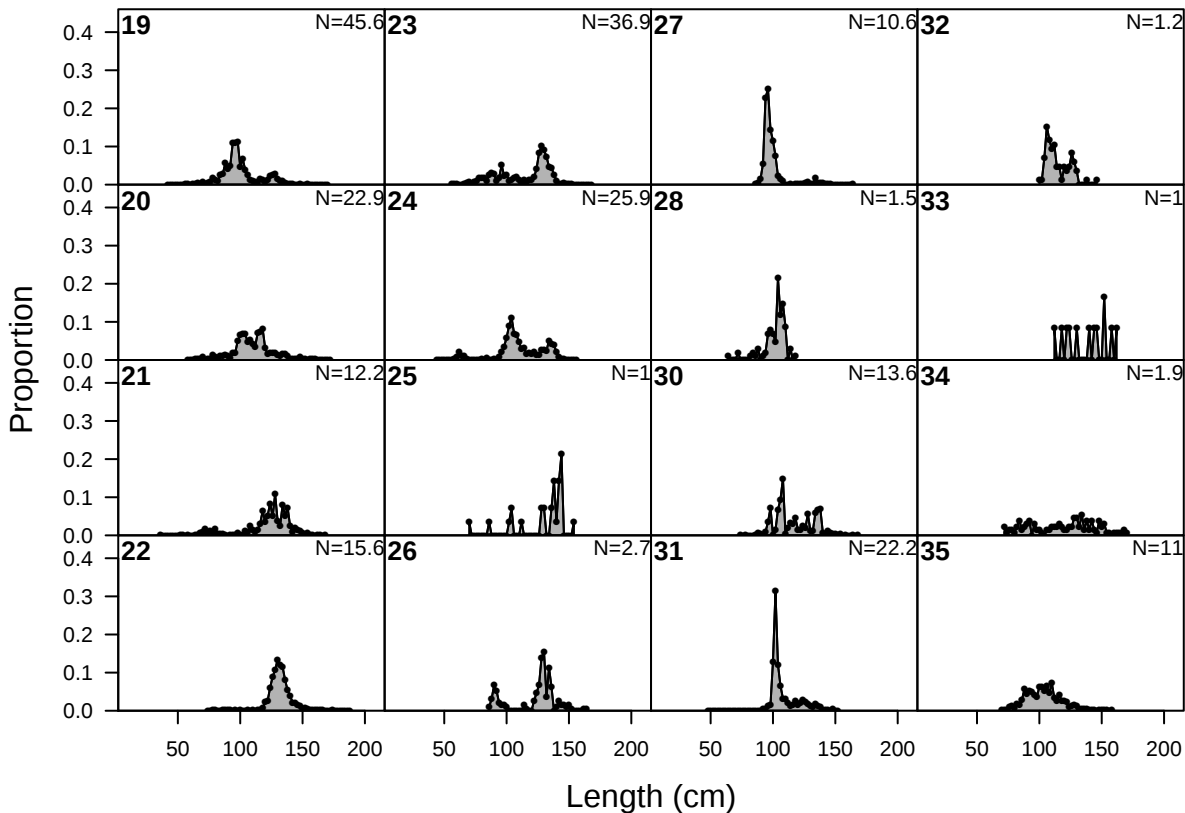
S3-LLt N Length (whole catch)



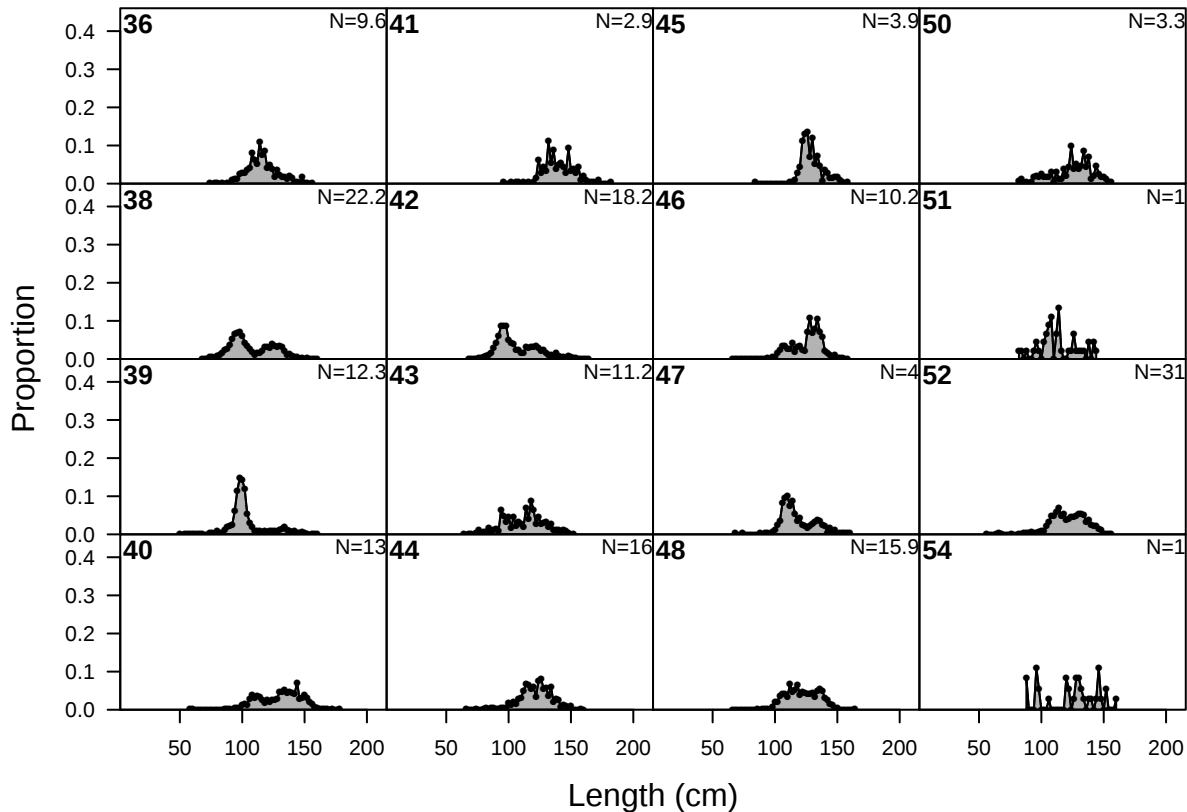
length comp data, whole catch, S4-LLt_S_Length



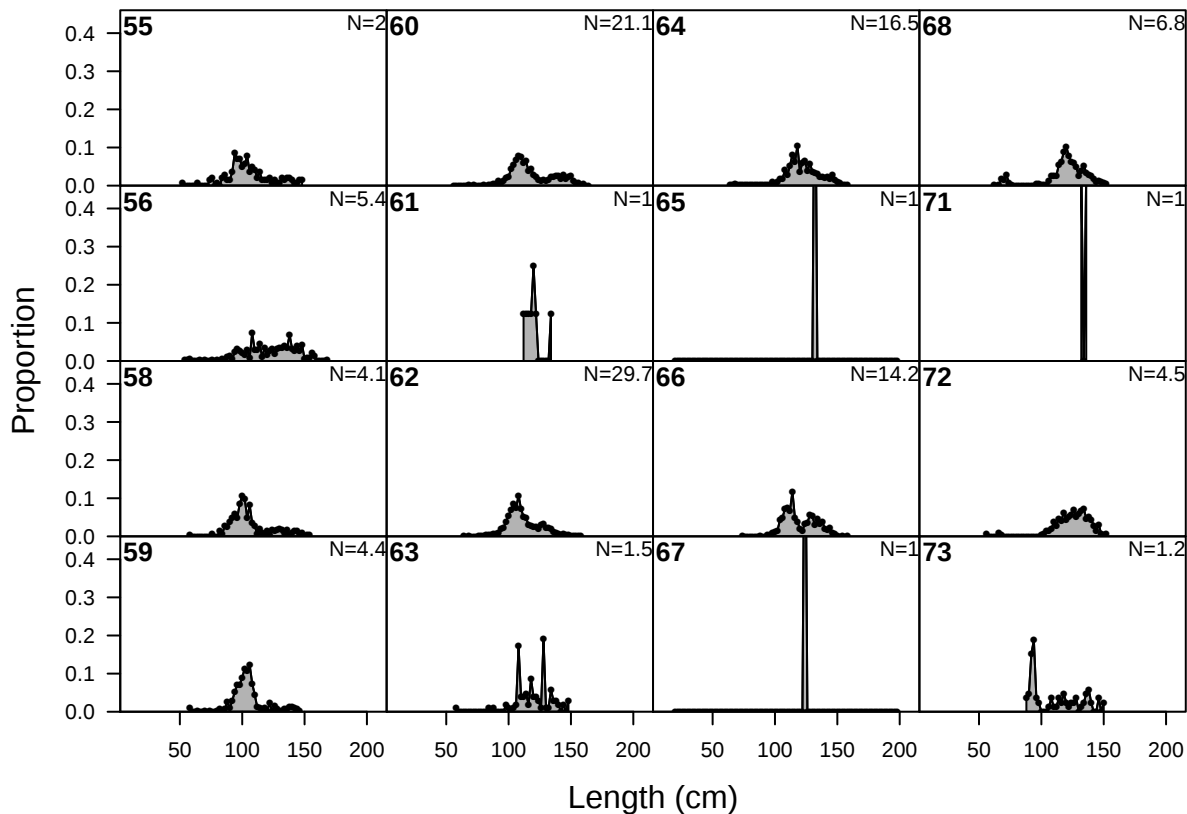
length comp data, whole catch, S4-LLt_S_Length



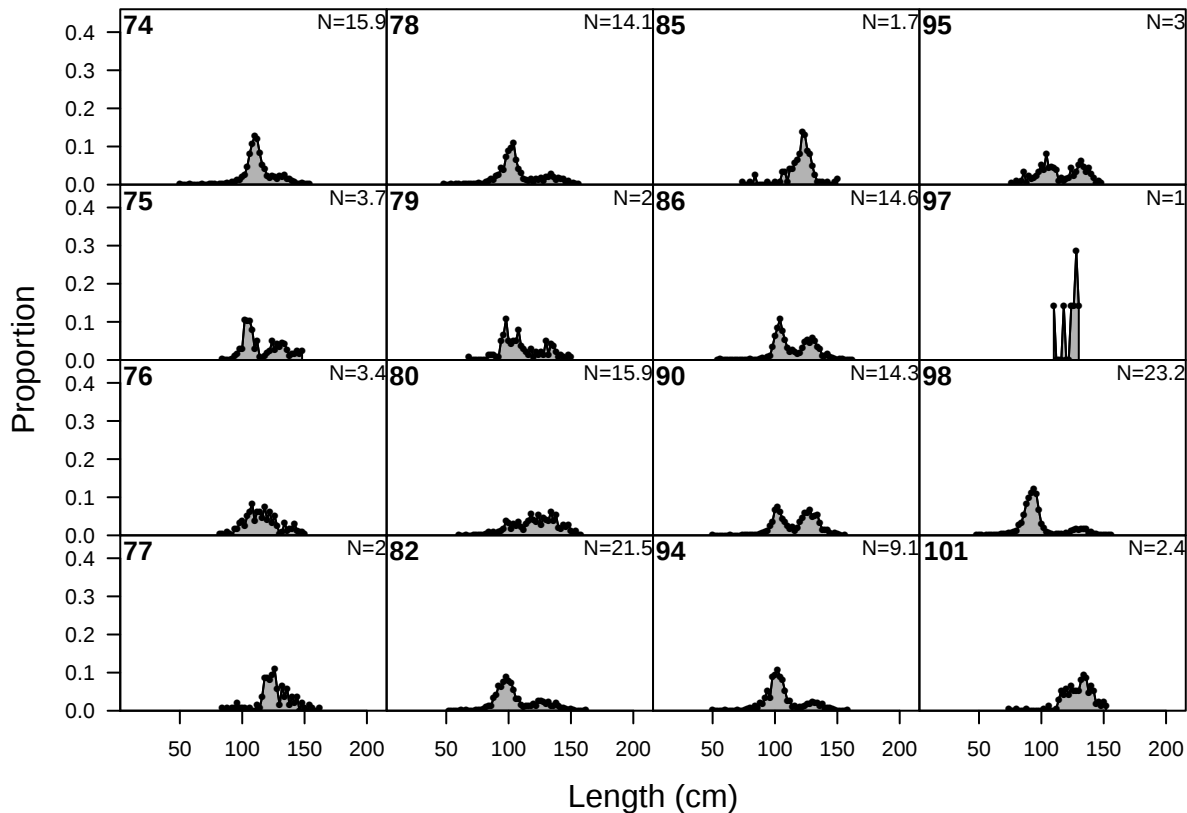
length comp data, whole catch, S4-LLt_S_Length



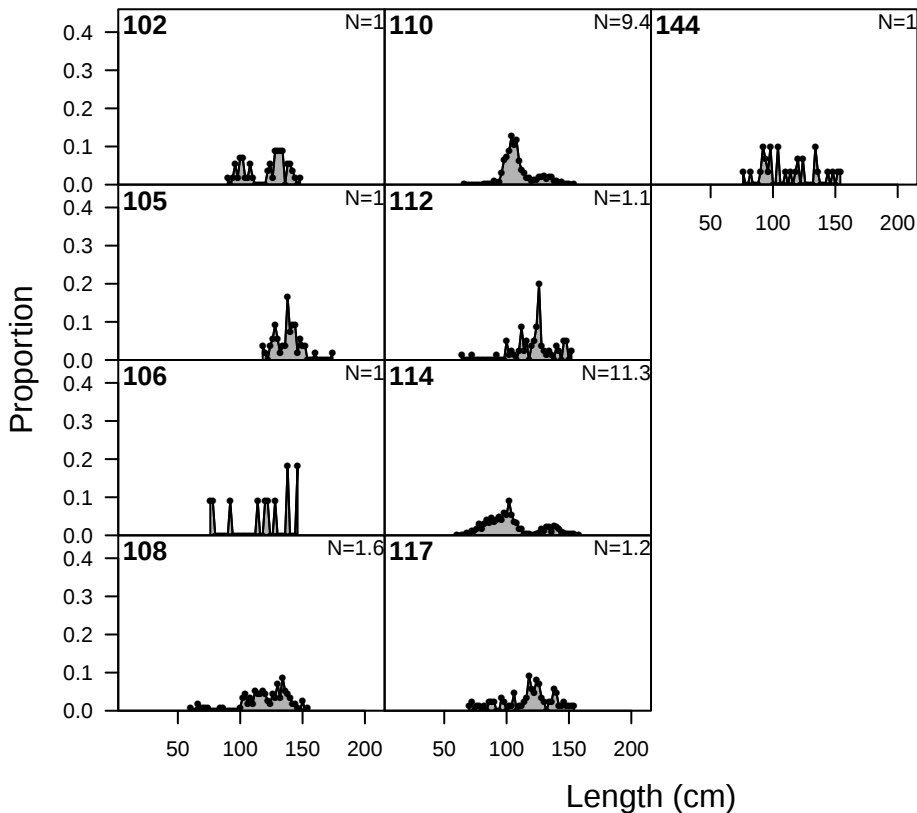
length comp data, whole catch, S4-LLt_S_Length



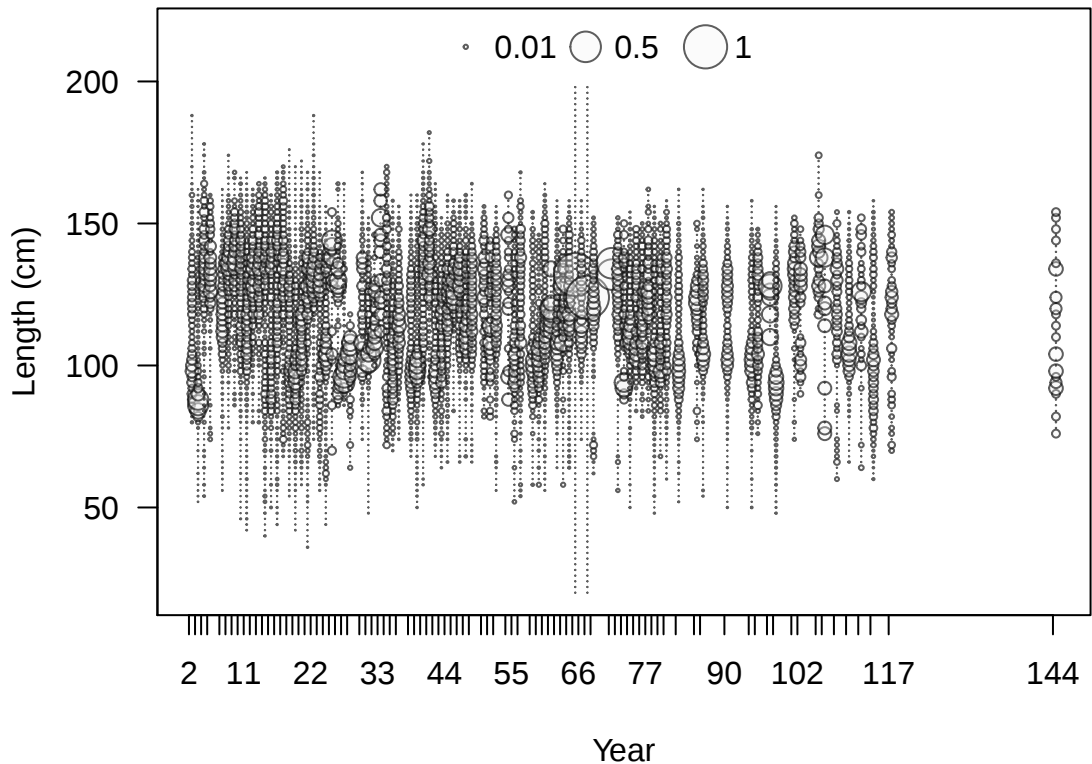
length comp data, whole catch, S4-LLt_S_Length



length comp data, whole catch, S4-LLt_S_Length

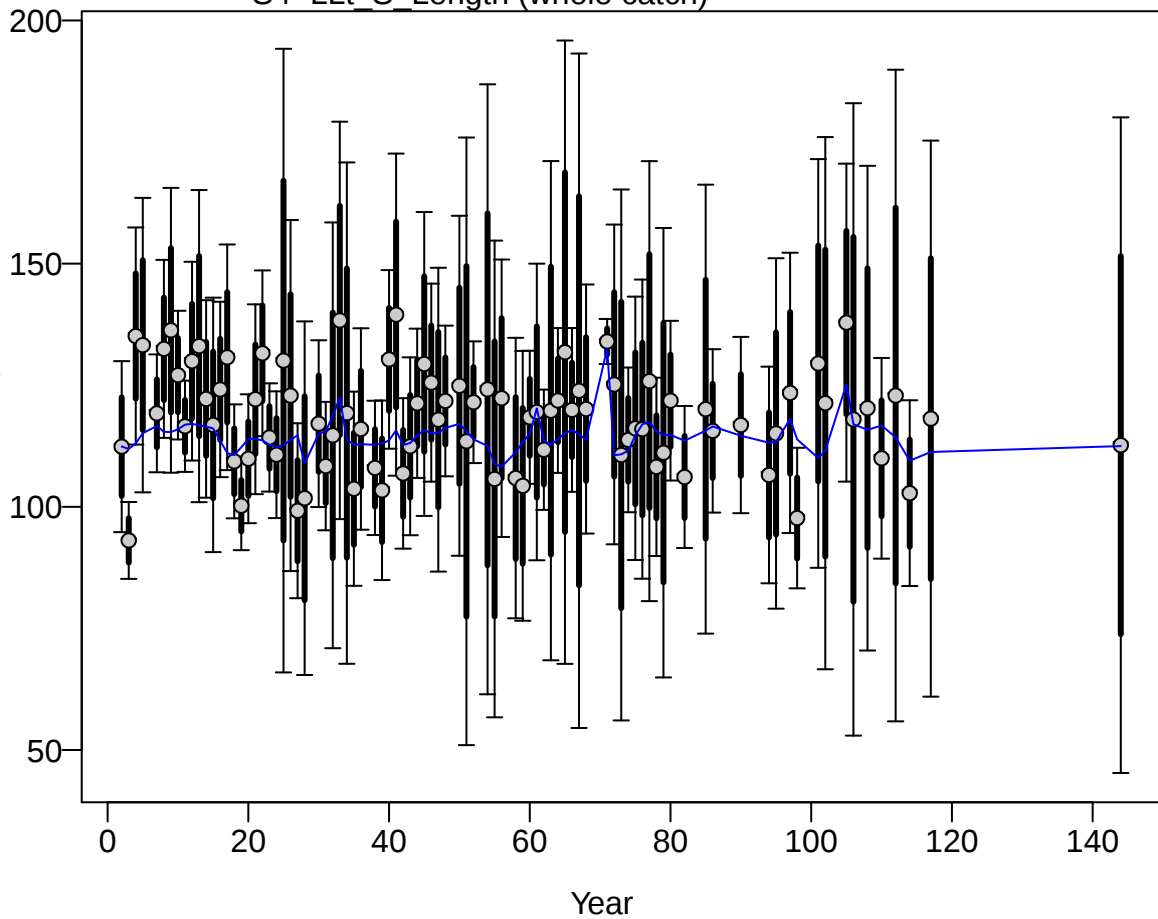


length comp data, whole catch, S4-LLt_S_Length (max=0.99)

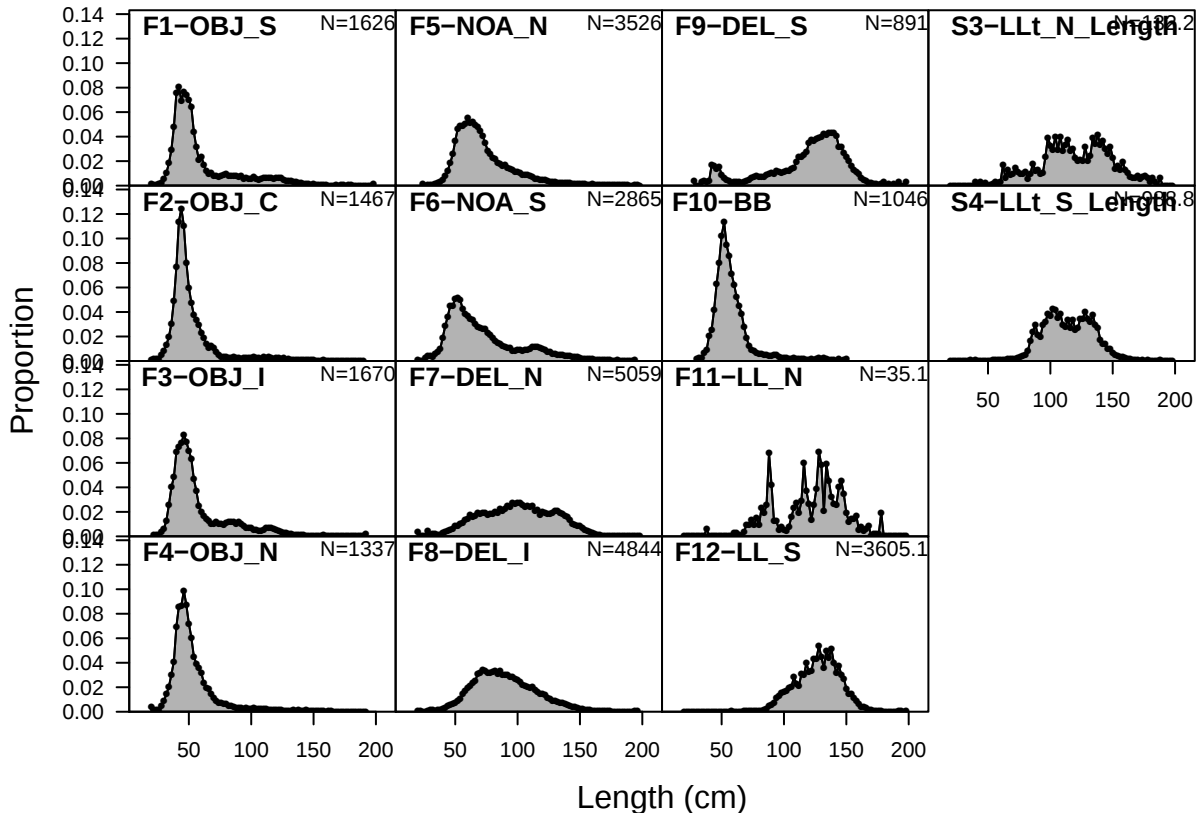


S4-LLt S Length (whole catch)

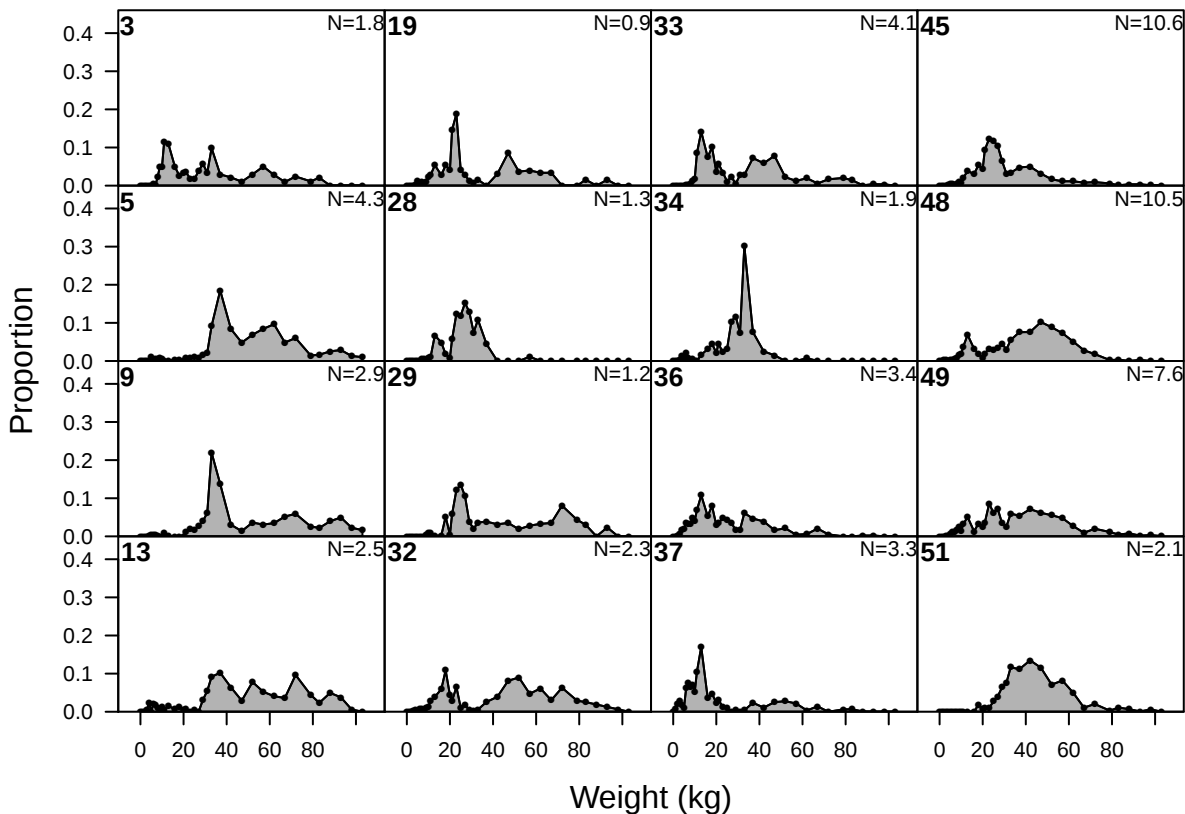
Mean length



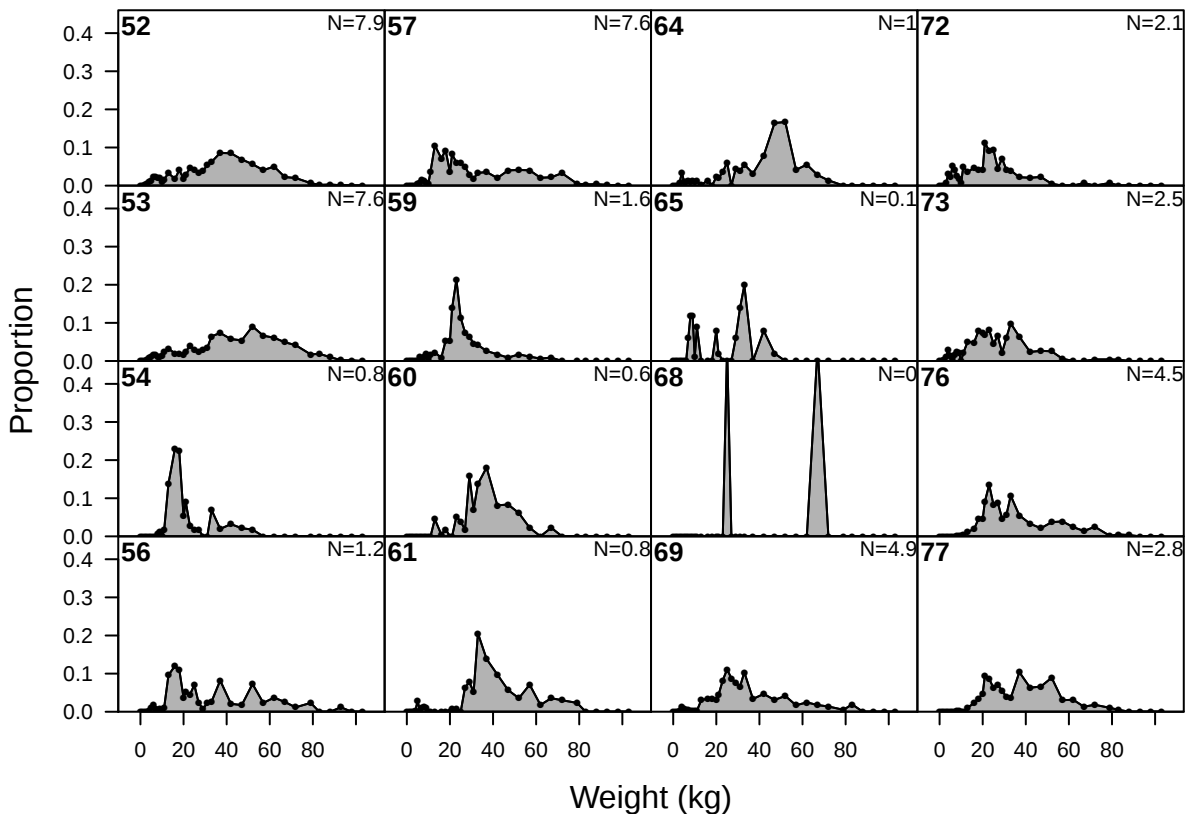
length comp data, whole catch, aggregated across time by fleet



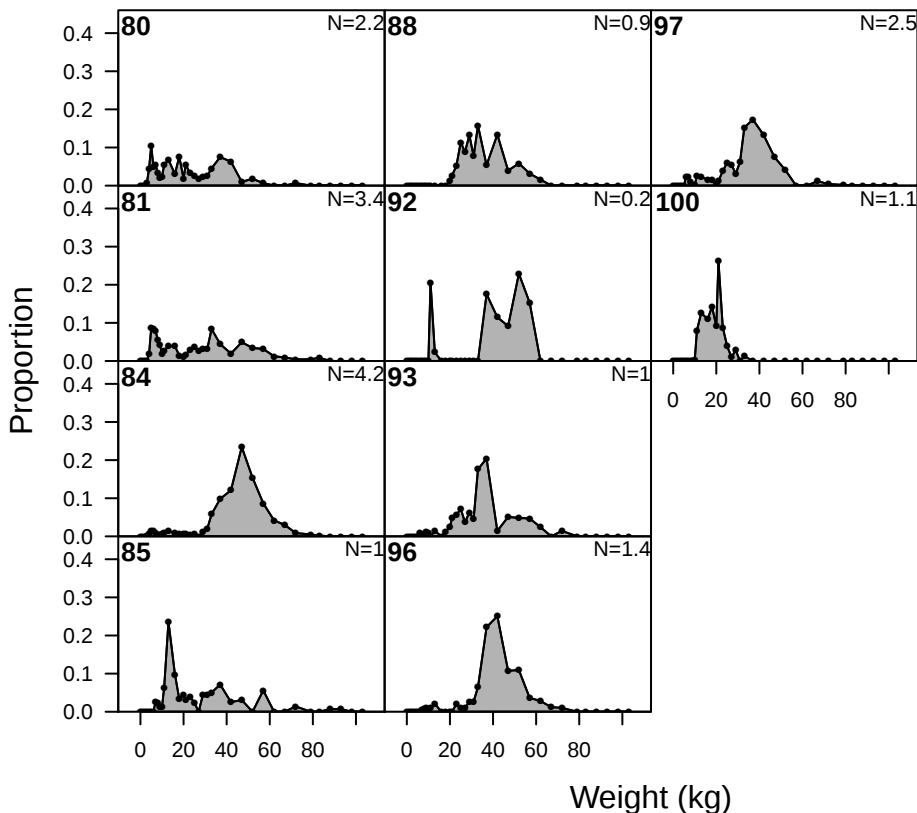
size comp data, whole catch, S1-LLc_N_Weight



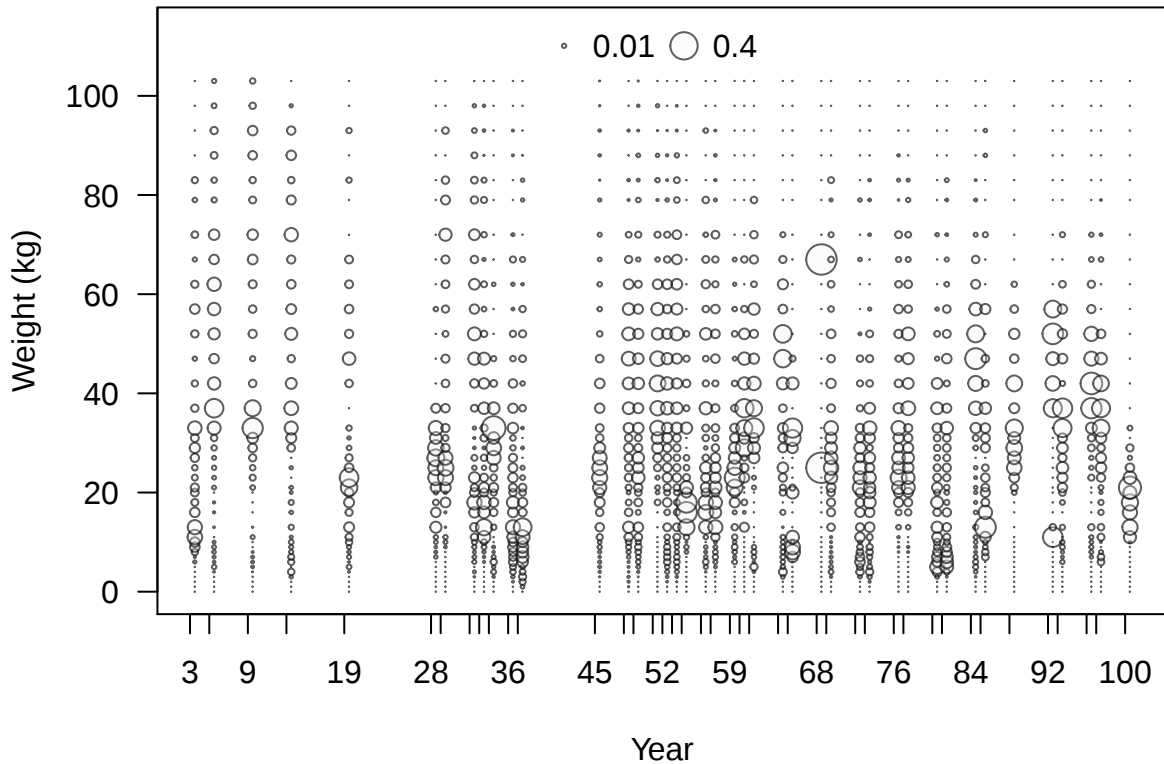
size comp data, whole catch, S1-LLc_N_Weight



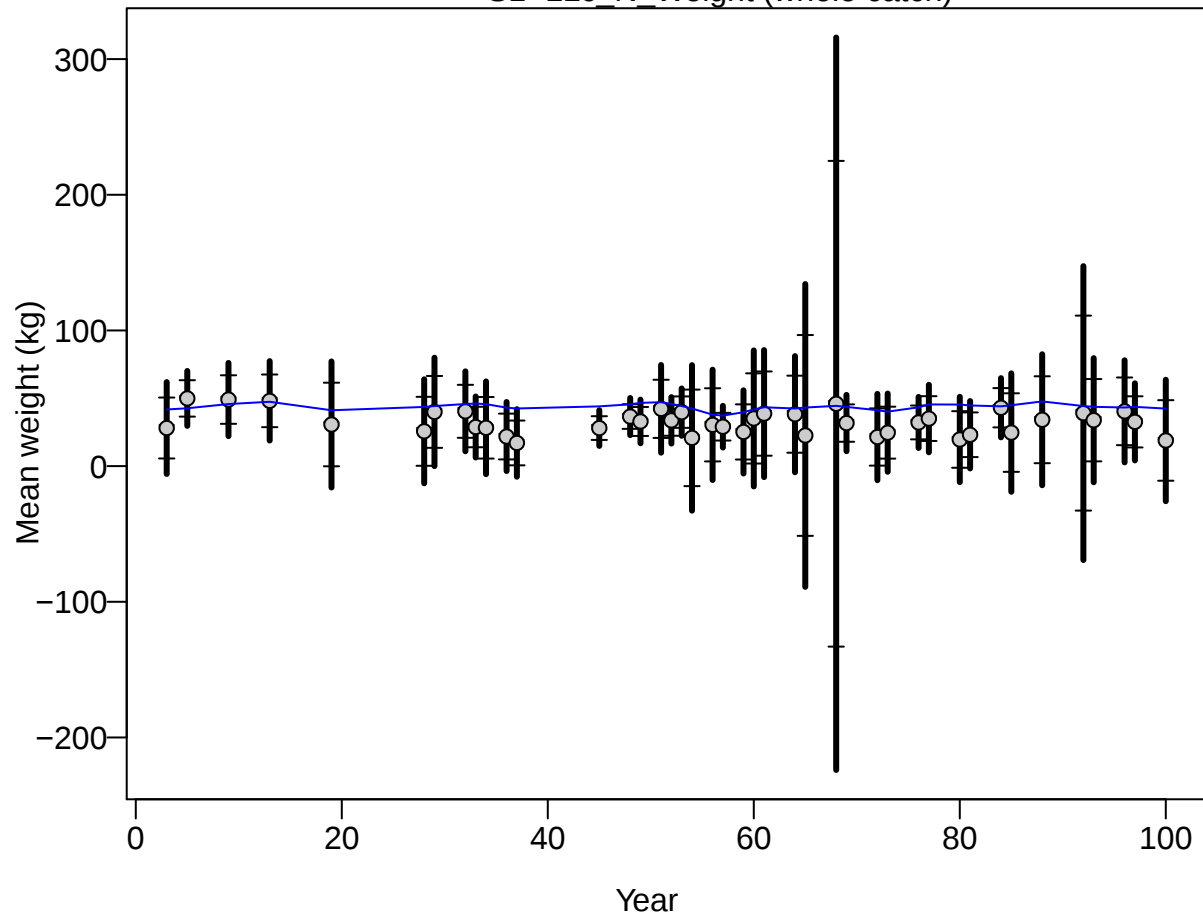
size comp data, whole catch, S1-LLc_N_Weight



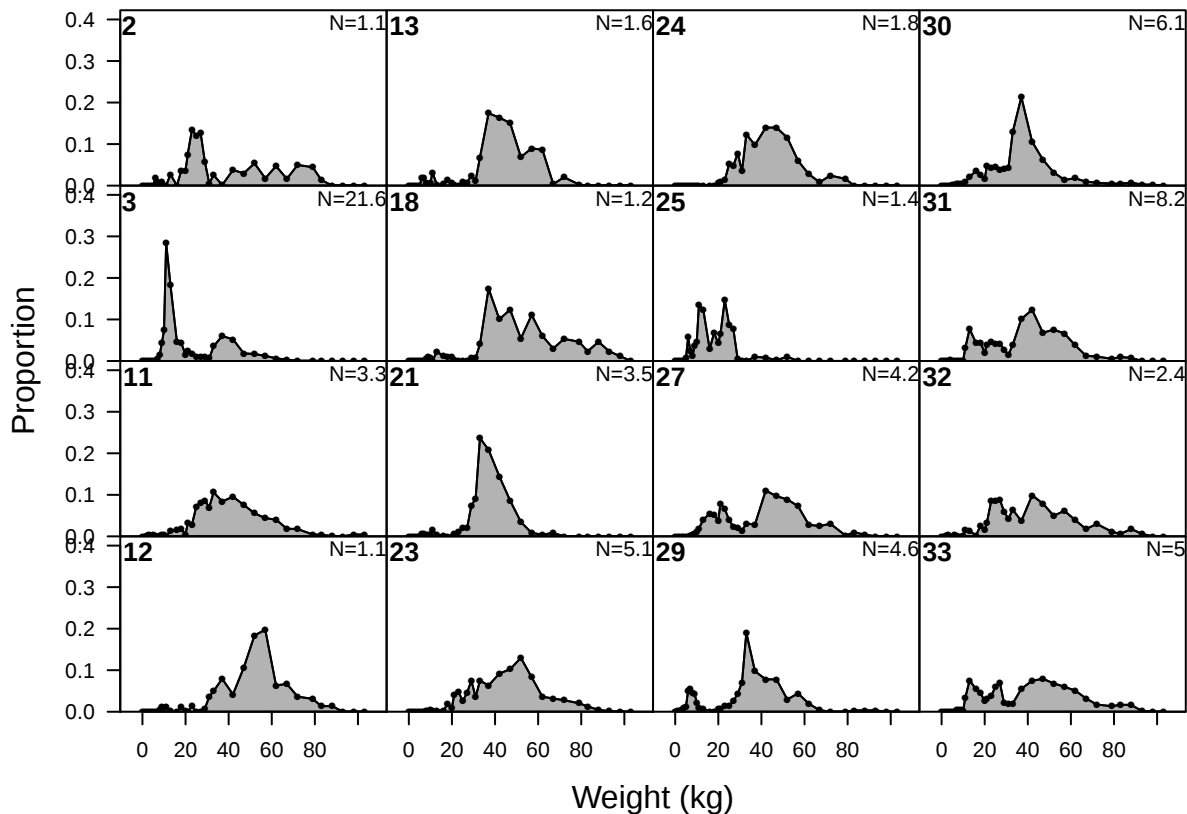
size comp data, whole catch, S1-LLc_N_Weight (max=0.5)



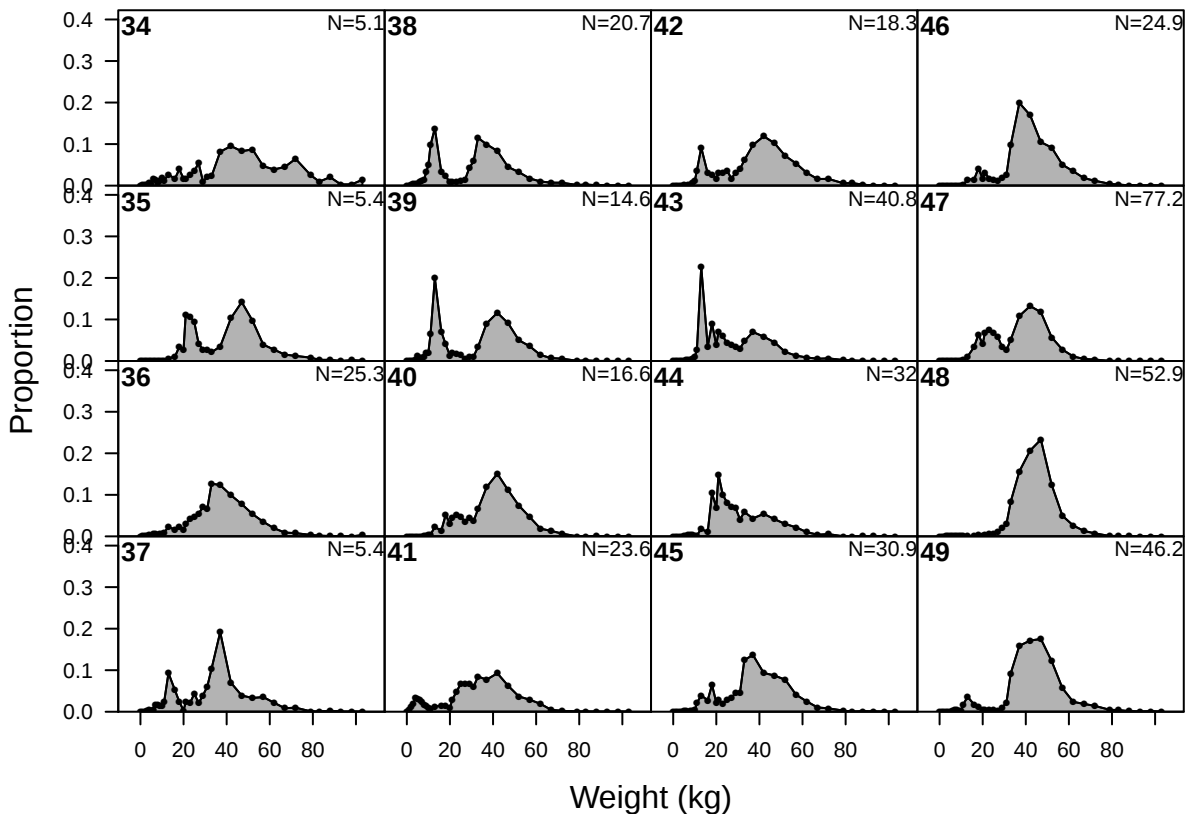
S1-LLc N Weight (whole catch)



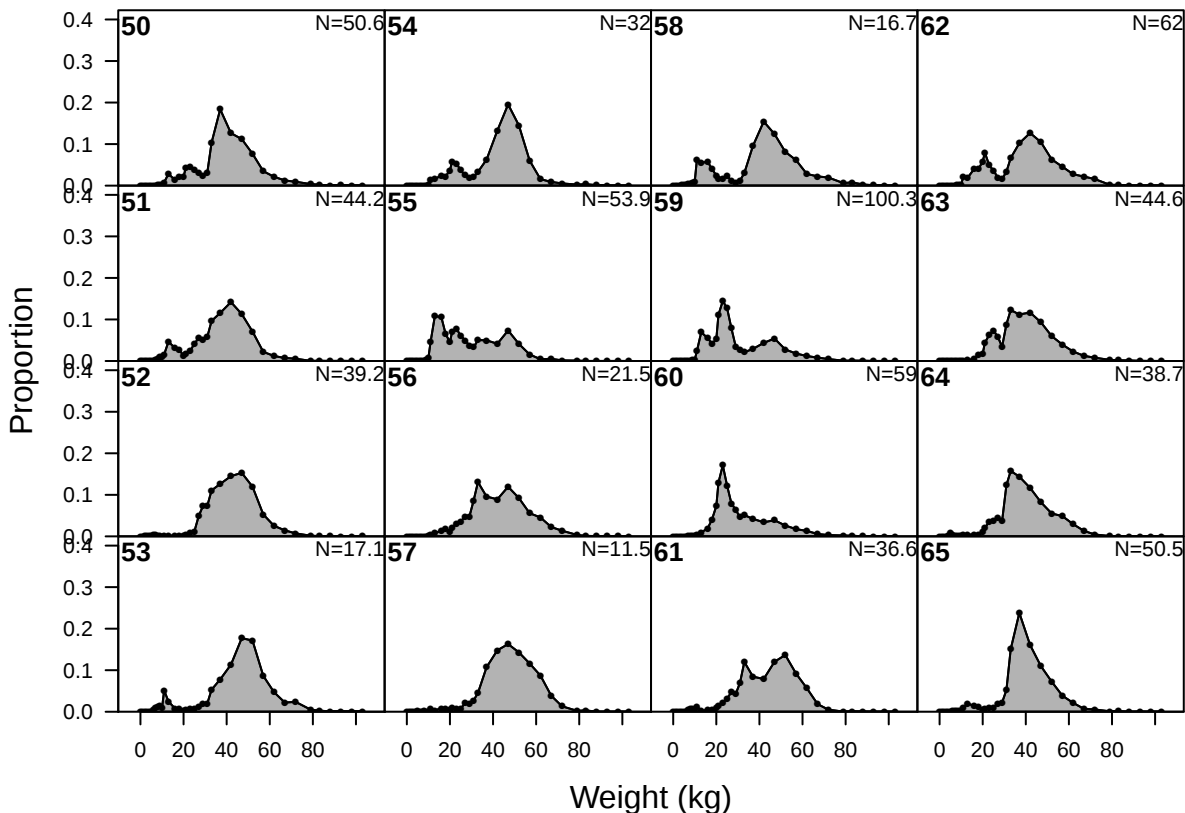
size comp data, whole catch, S2-LLc_S_Weight



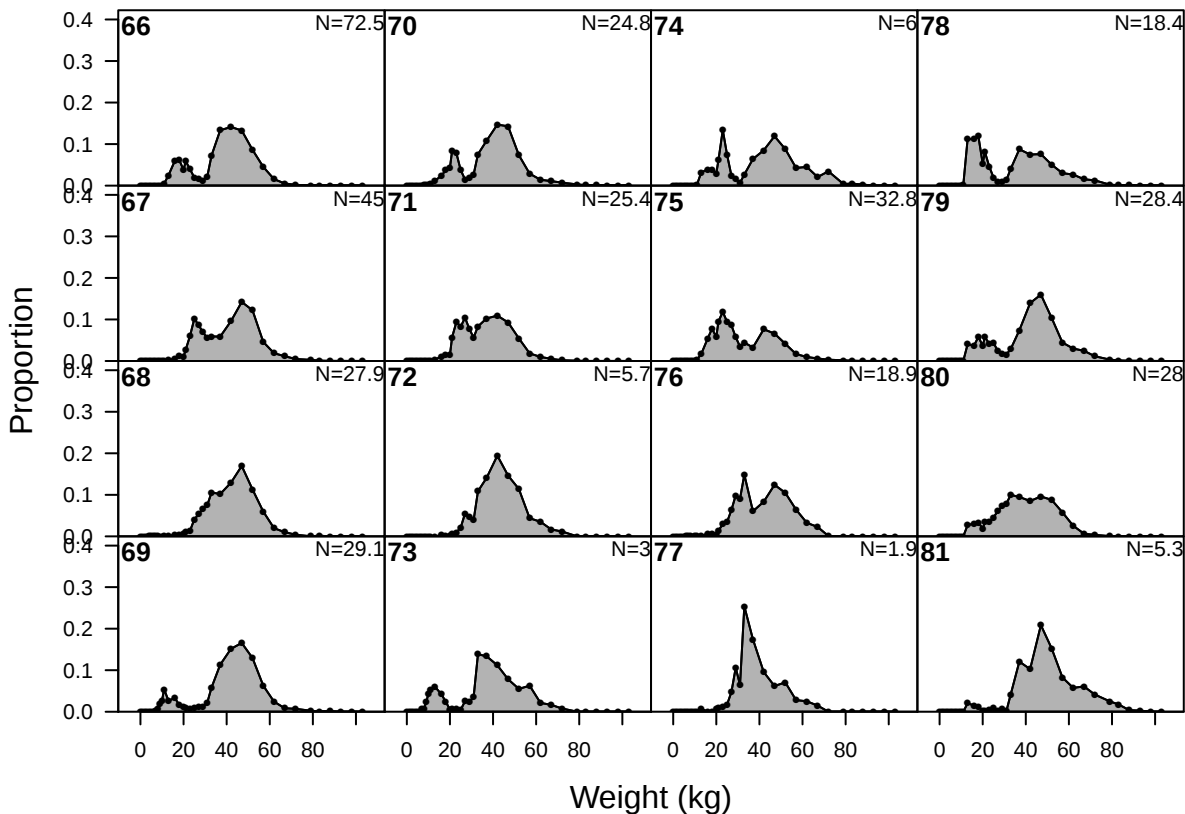
size comp data, whole catch, S2-LLc_S_Weight



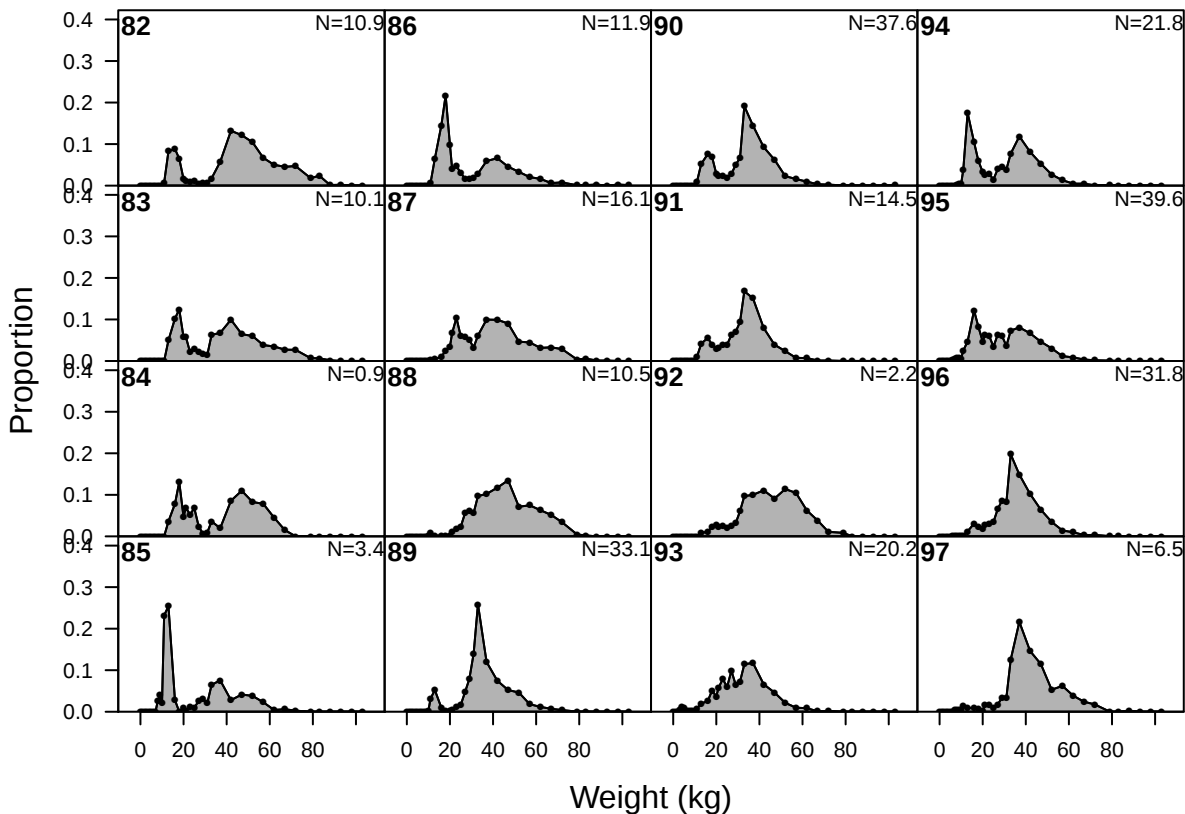
size comp data, whole catch, S2-LLc_S_Weight



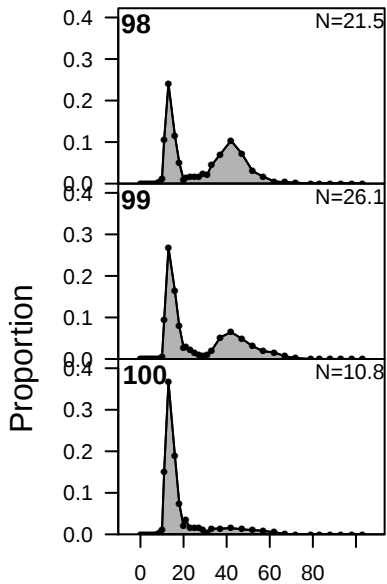
size comp data, whole catch, S2-LLc_S_Weight



size comp data, whole catch, S2-LLc_S_Weight

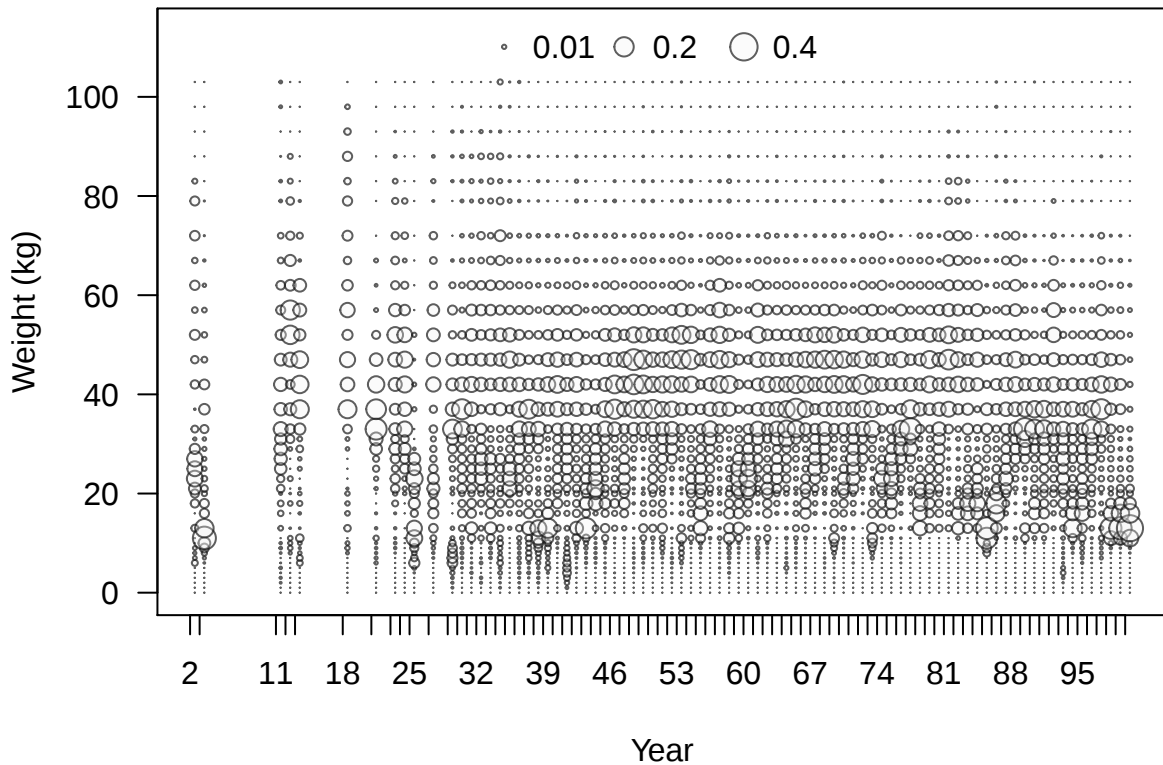


size comp data, whole catch, S2-LLc_S_Weight

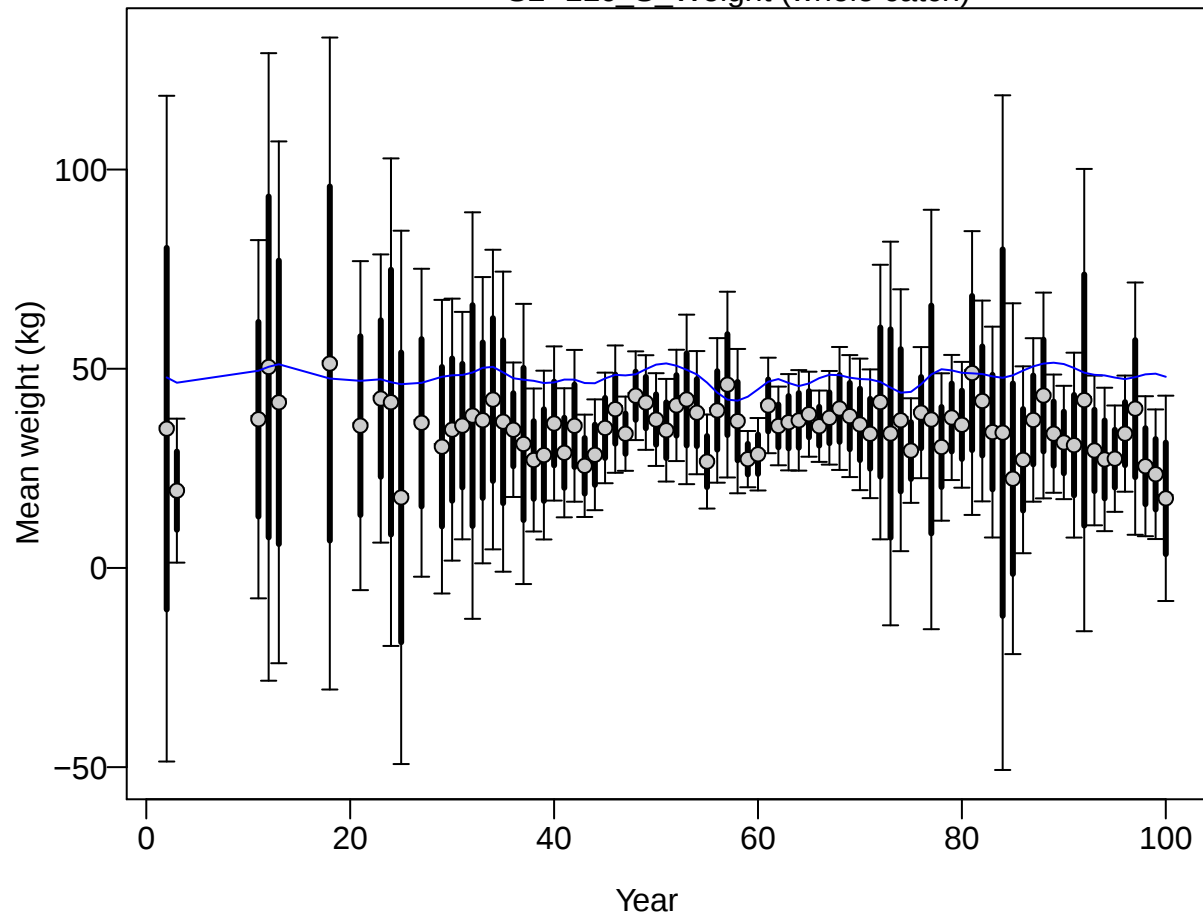


Weight (kg)

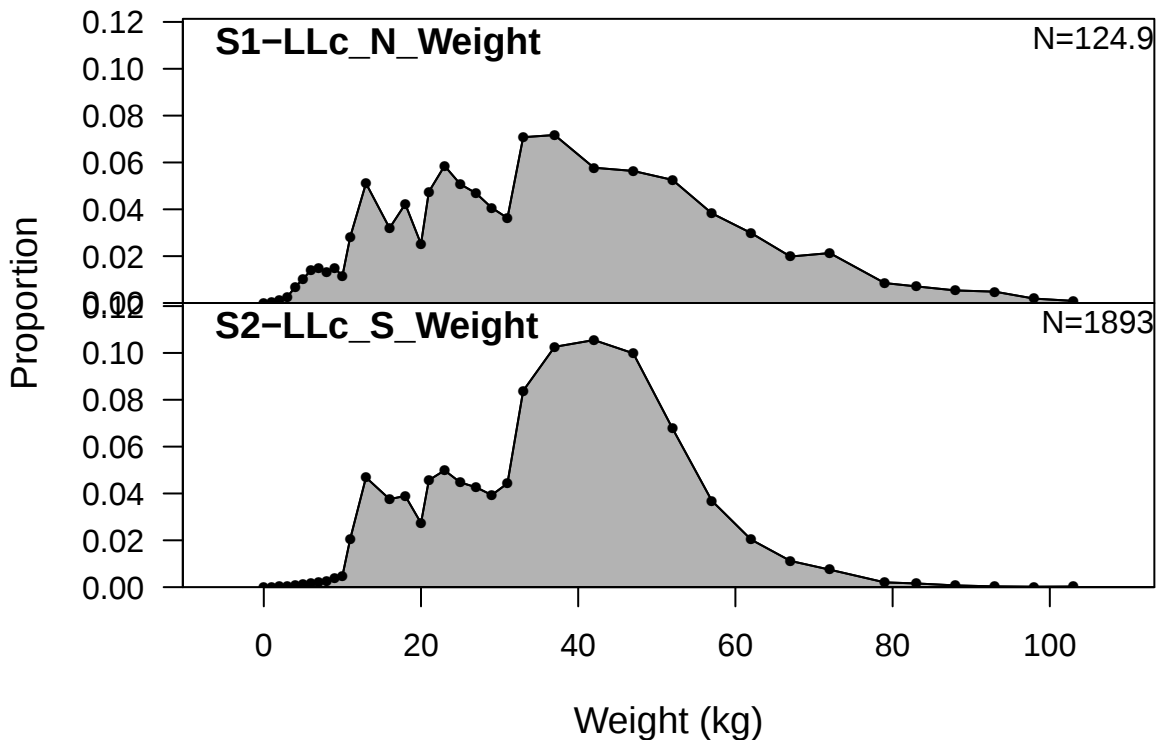
size comp data, whole catch, S2-LLc_S_Weight (max=0.37)



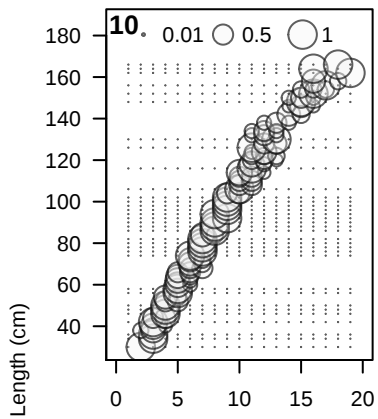
S2-LLc S_Weight (whole catch)



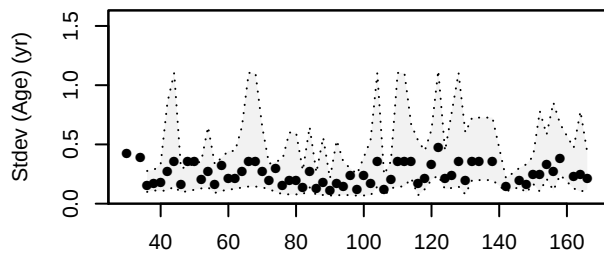
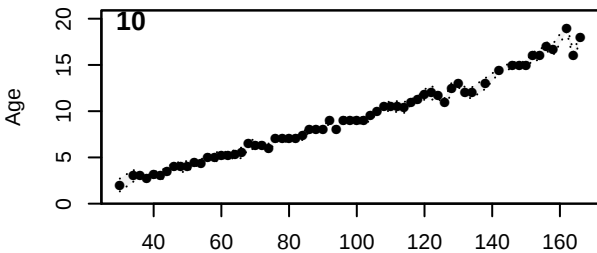
size comp data, whole catch, aggregated across time by fleet



conditional age-at-length data, whole catch, F5-NOA_N (max=1)

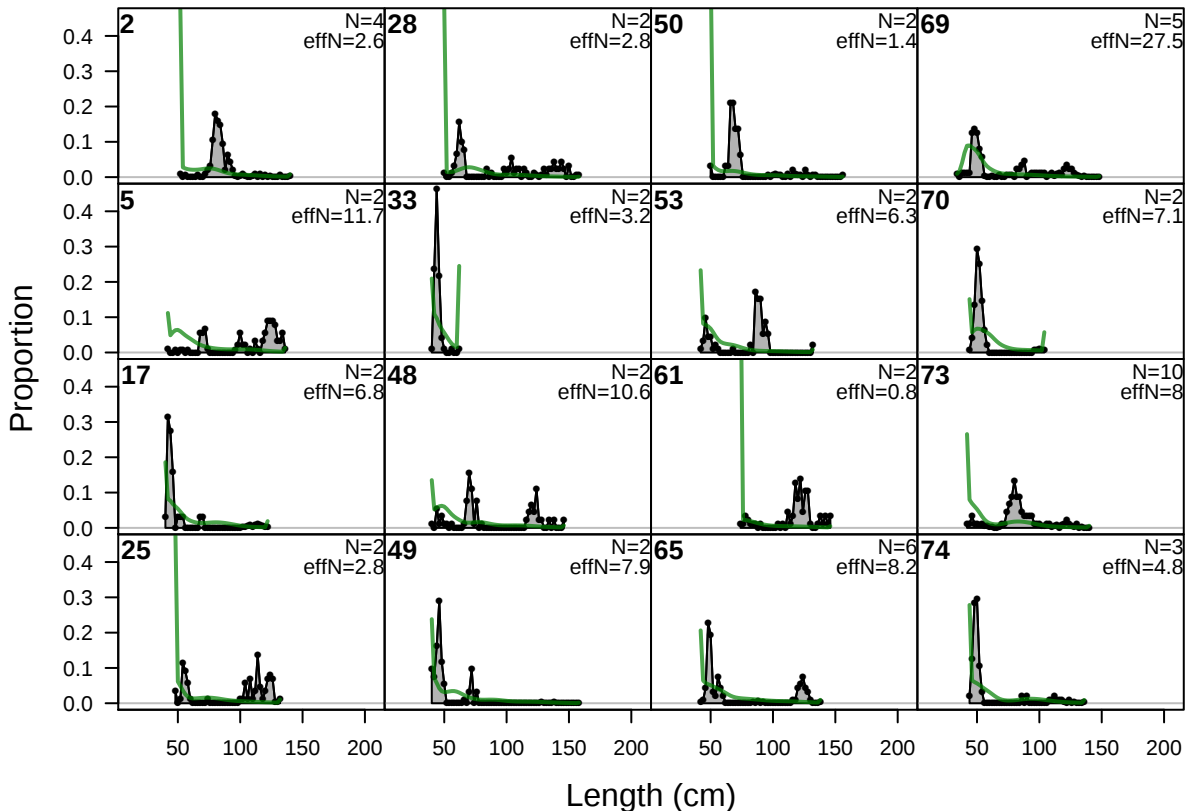


Conditional AAL plot, whole catch, F5-NOA_N

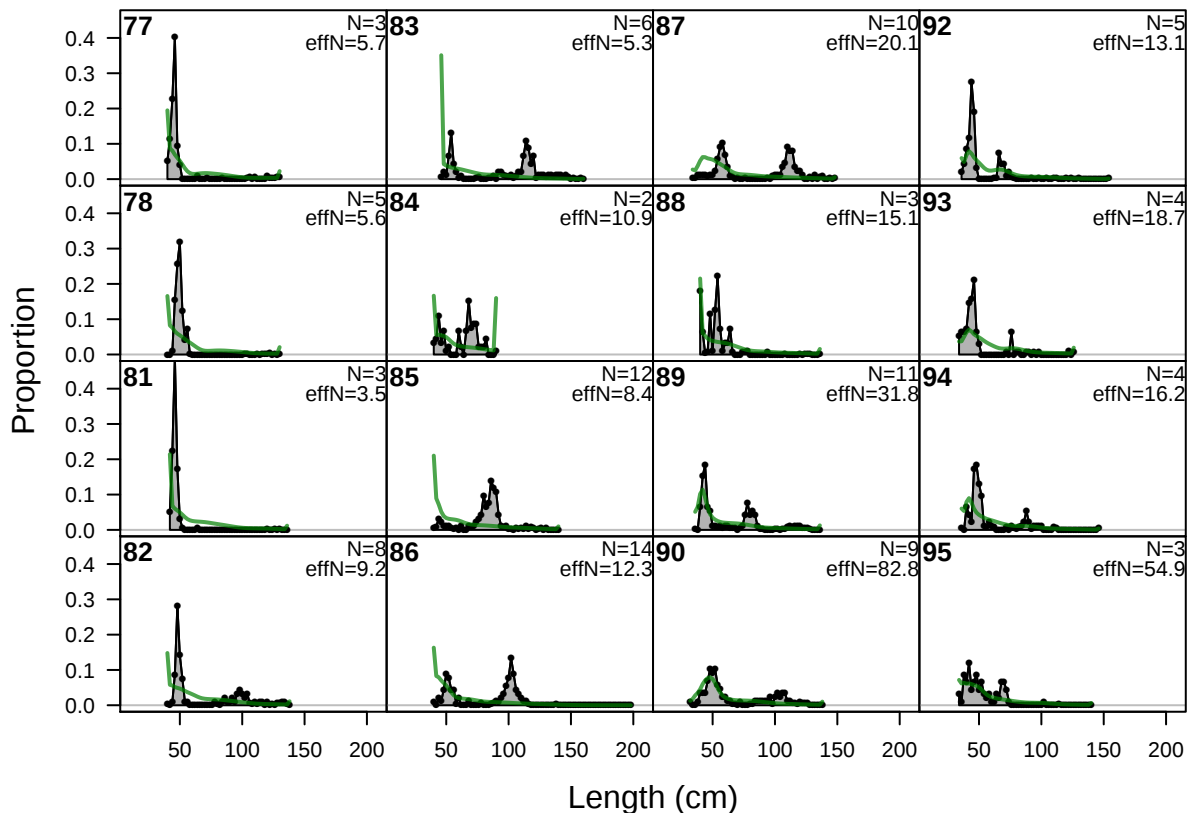


Length (cm)

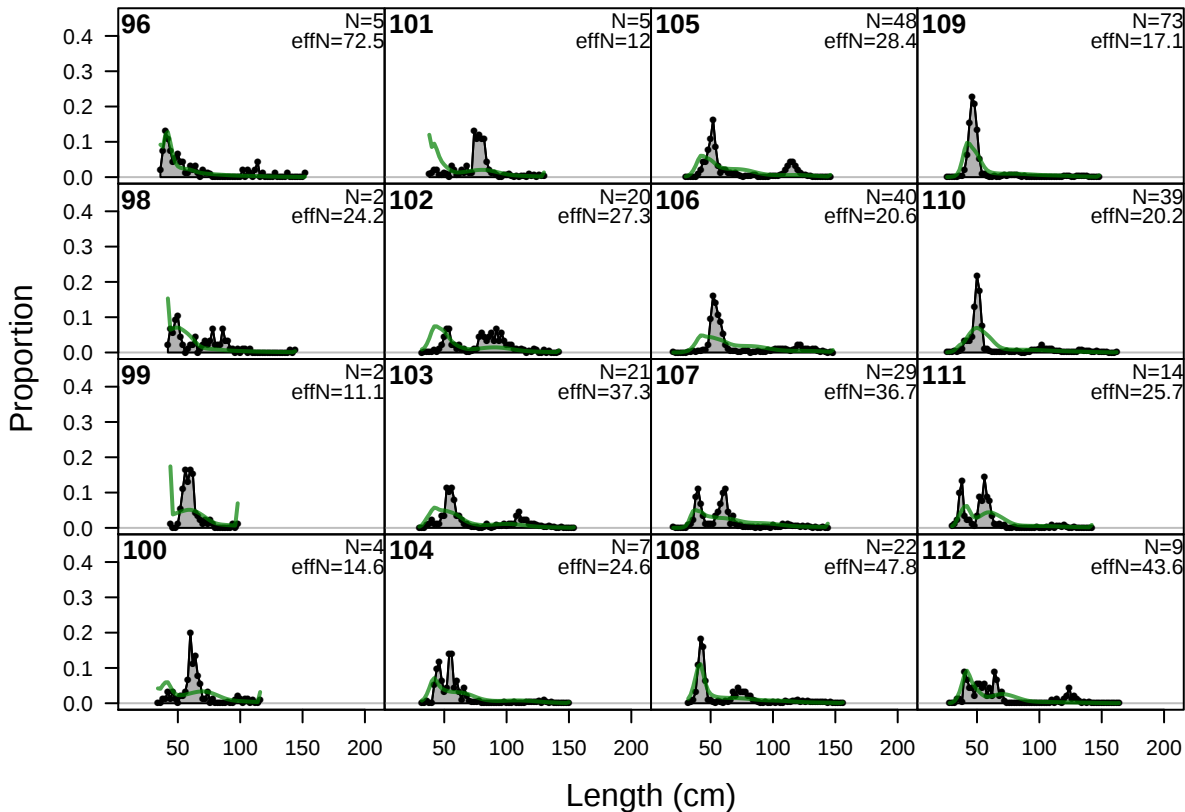
length comps, whole catch, F1-OBJ_S



length comps, whole catch, F1-OBJ_S

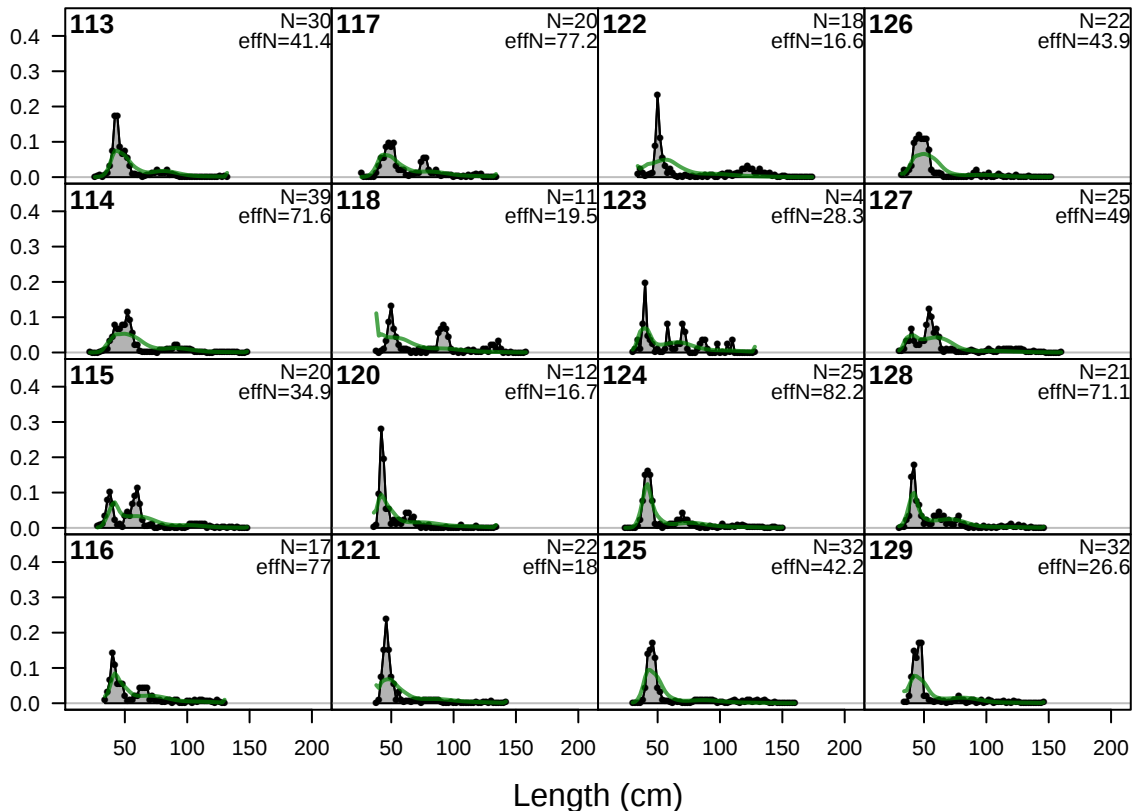


length comps, whole catch, F1-OBJ_S



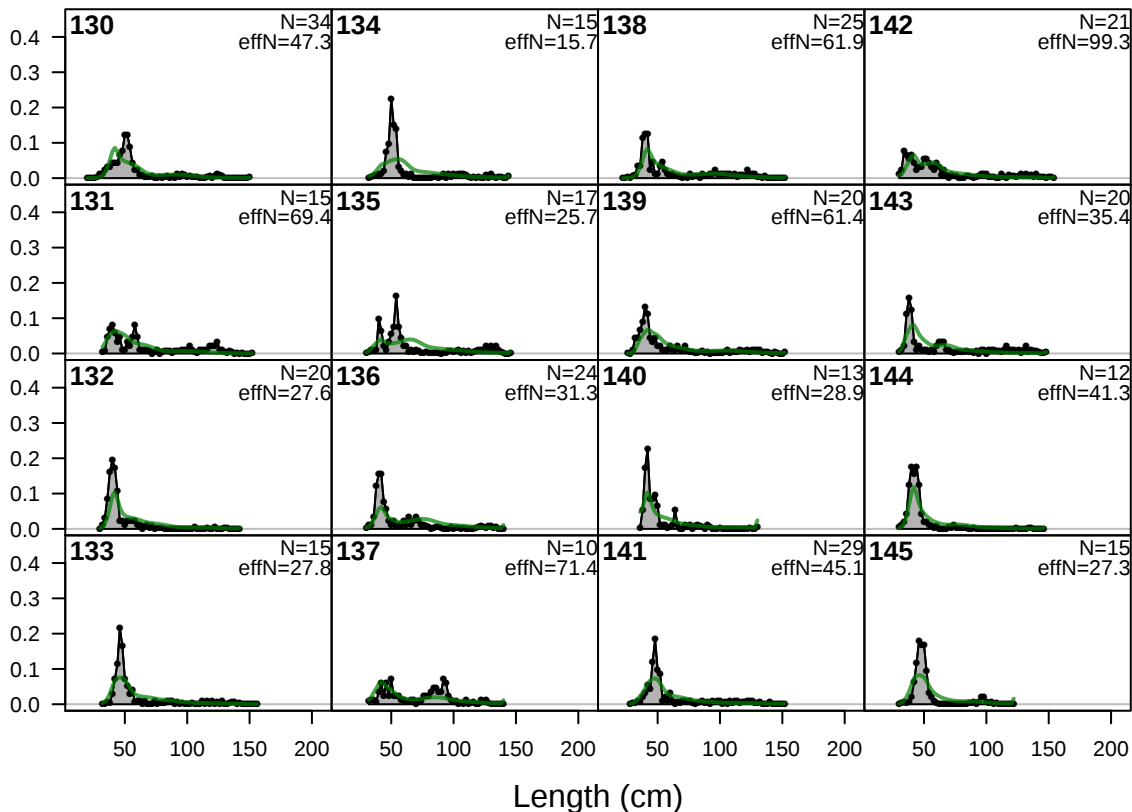
length comps, whole catch, F1-OBJ_S

Proportion

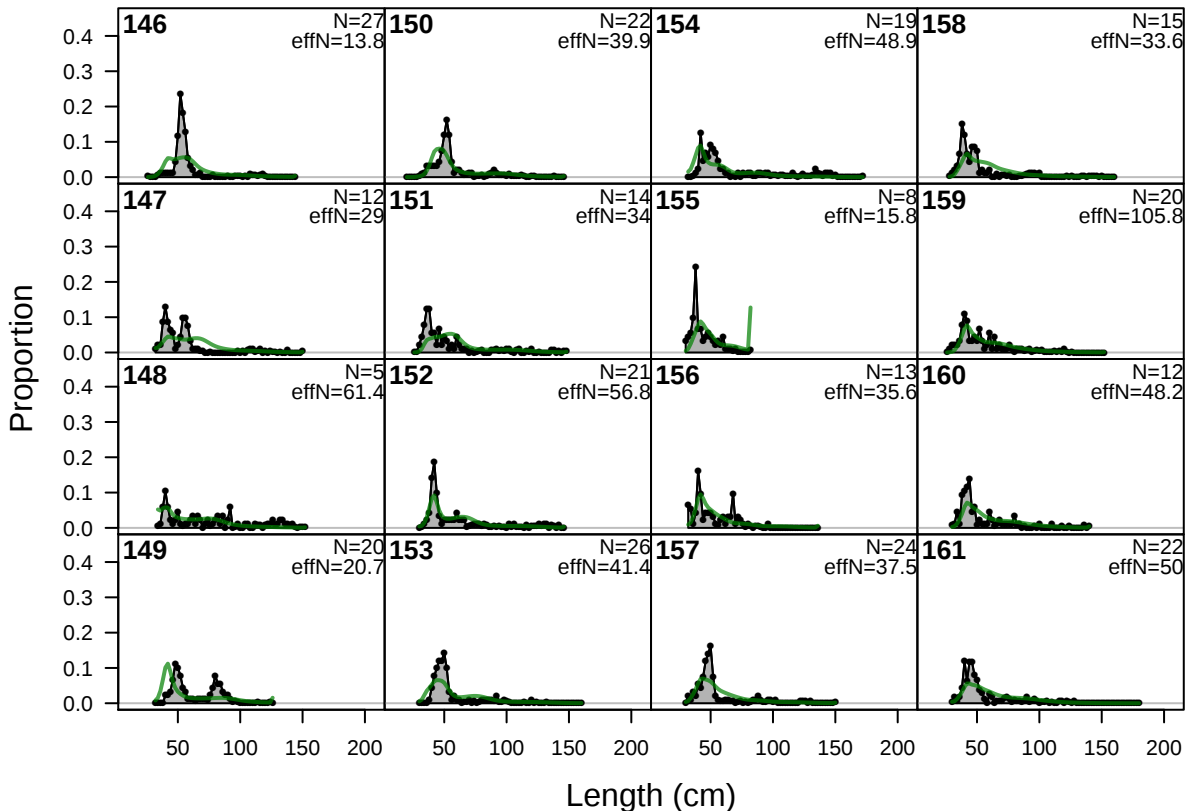


length comps, whole catch, F1-OBJ_S

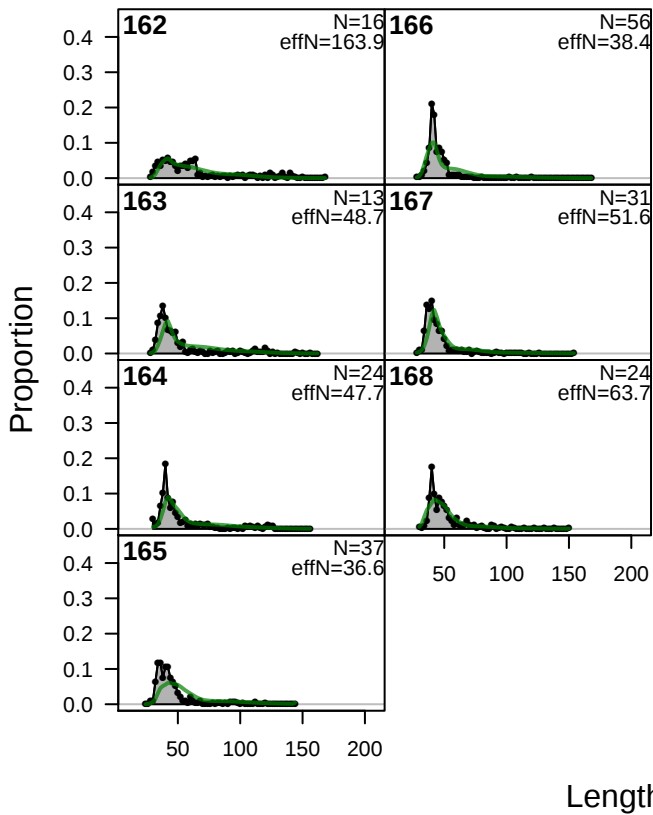
Proportion



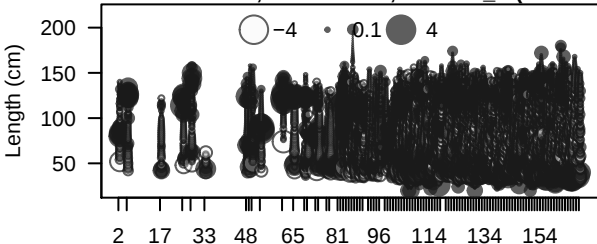
length comps, whole catch, F1-OBJ_S



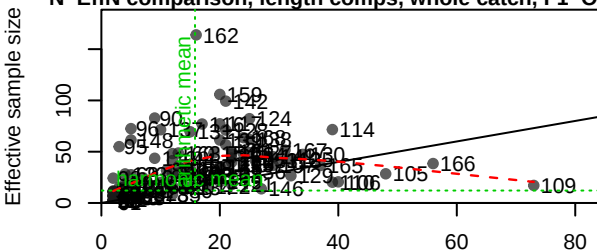
length comps, whole catch, F1-OBJ_S



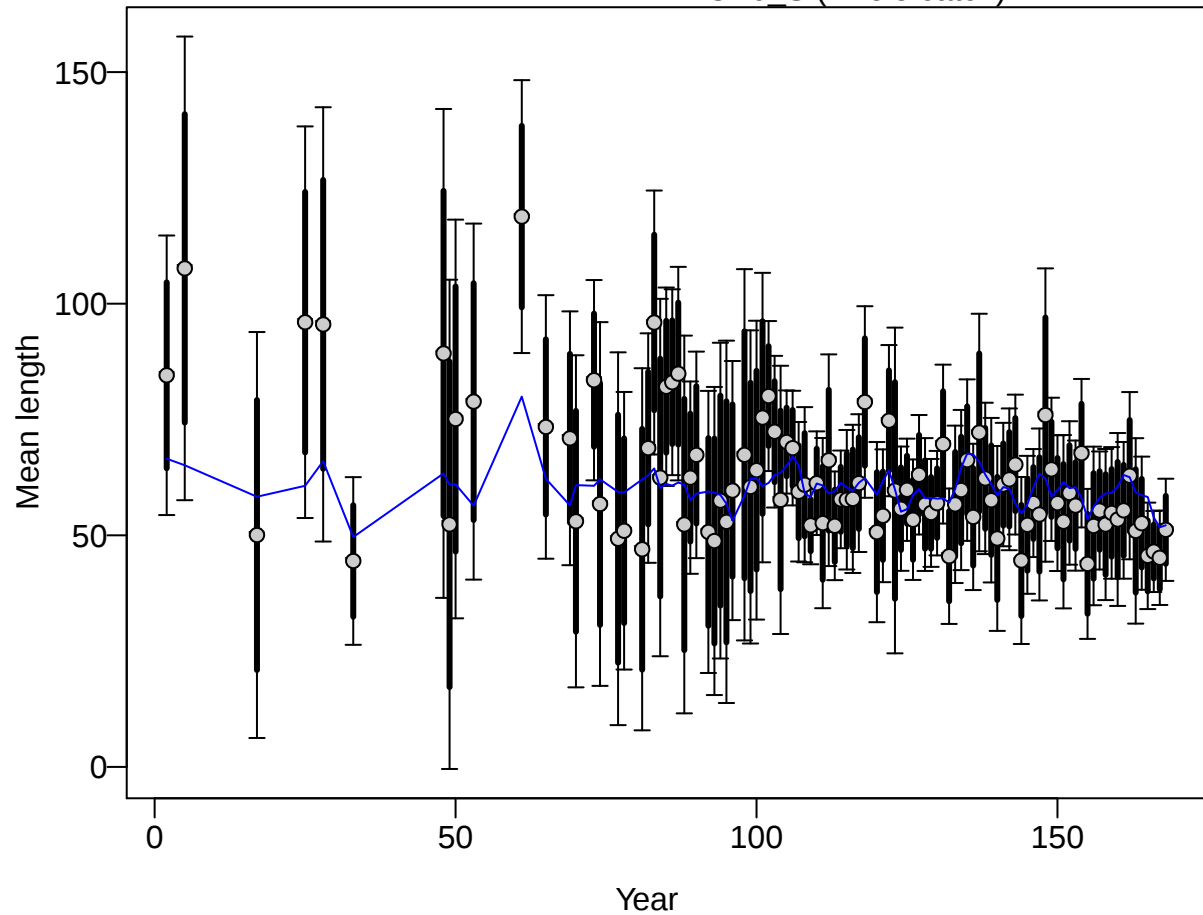
Pearson residuals, whole catch, F1-OBJ_S (max=5.82)



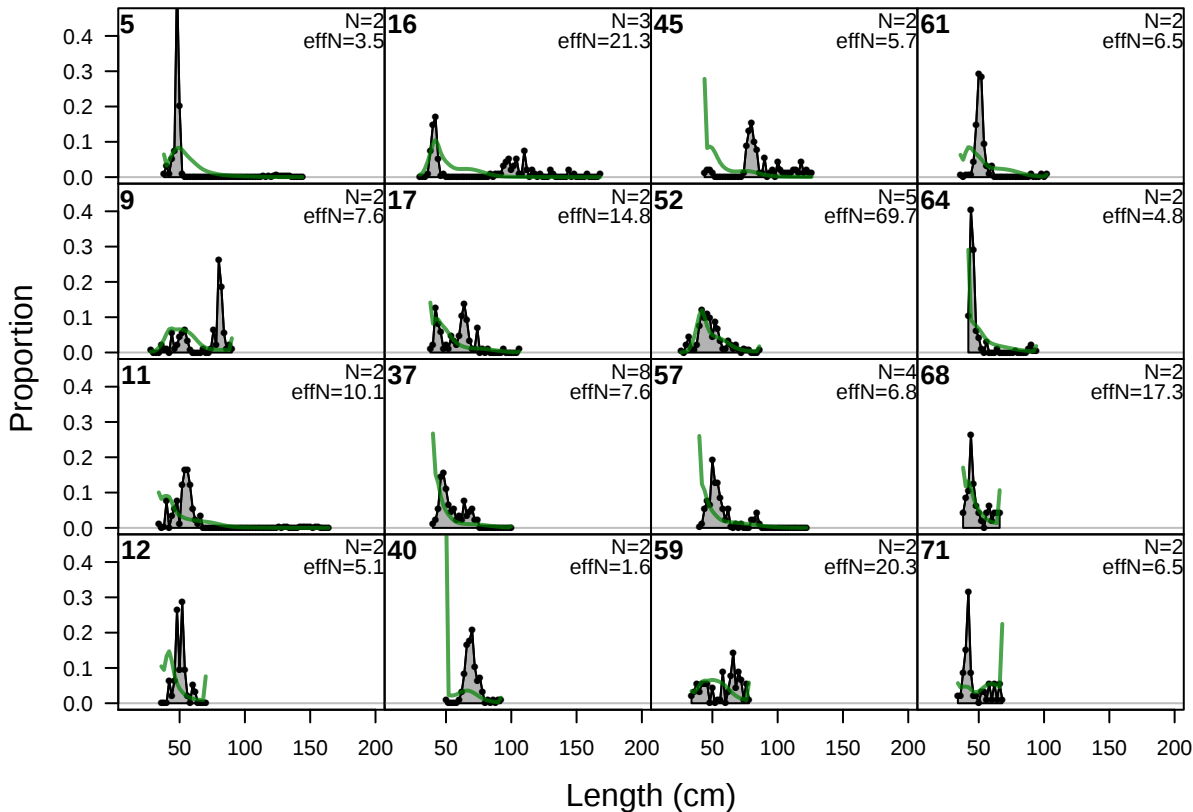
N-EffN comparison, length comps, whole catch, F1-OBJ



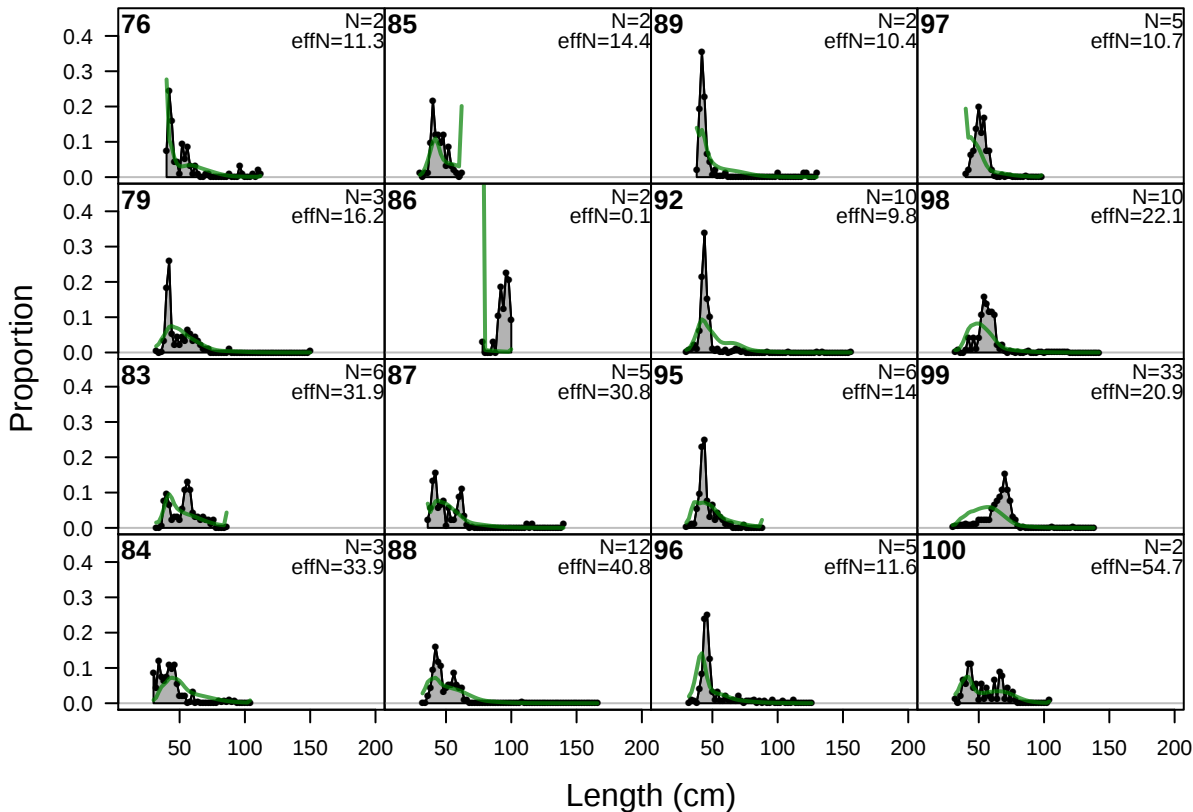
F1-OBJ_S (whole catch)



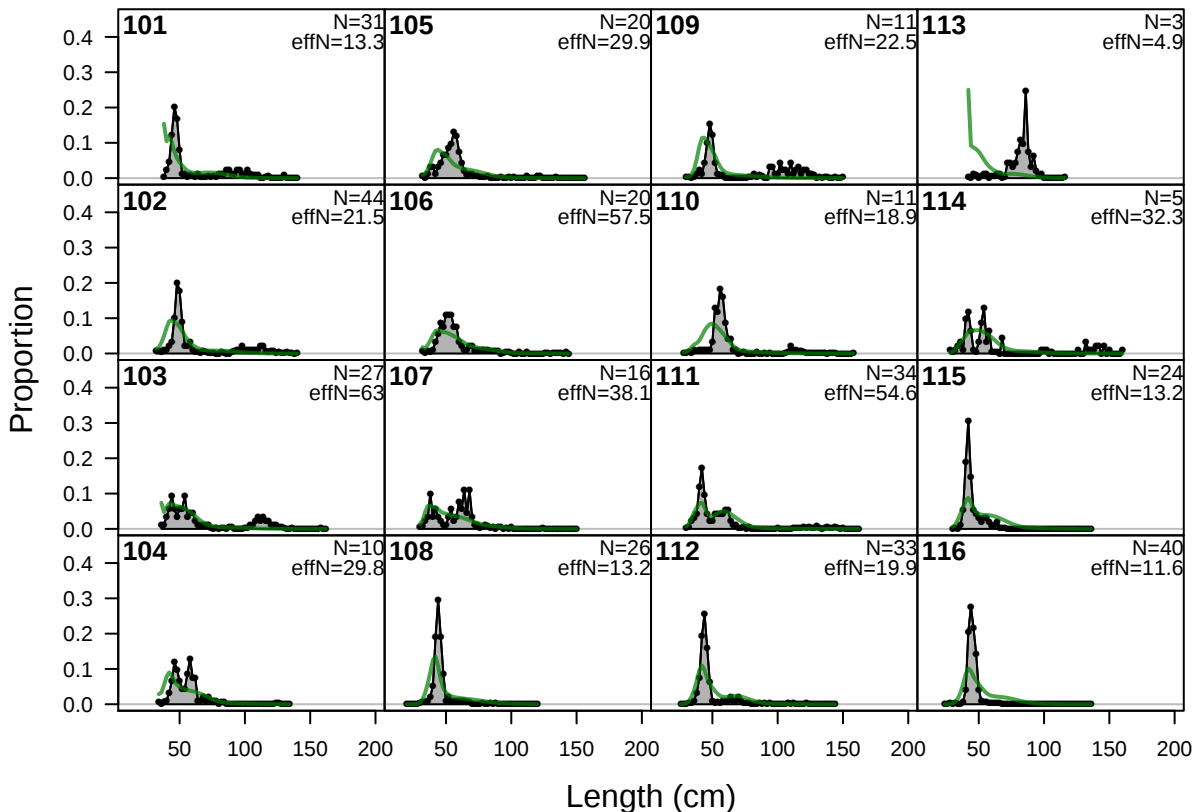
length comps, whole catch, F2-OBJ_C



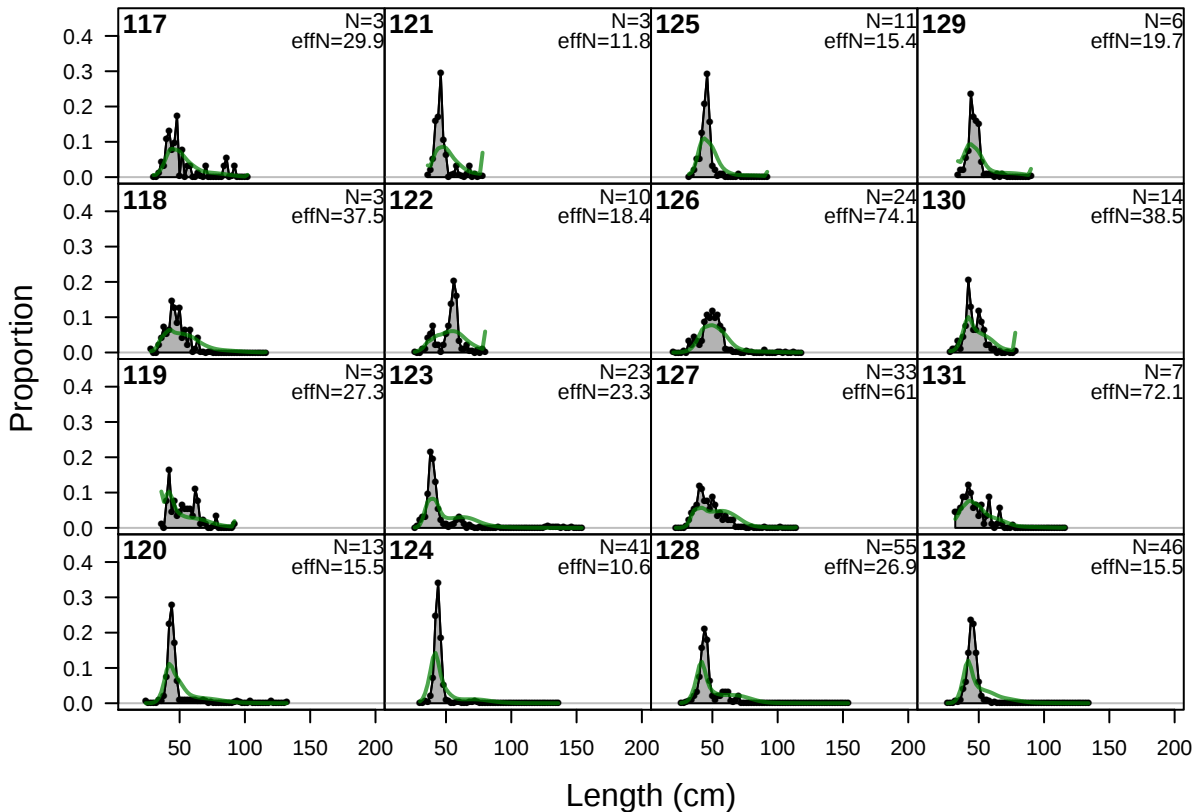
length comps, whole catch, F2-OBJ_C



length comps, whole catch, F2-OBJ_C

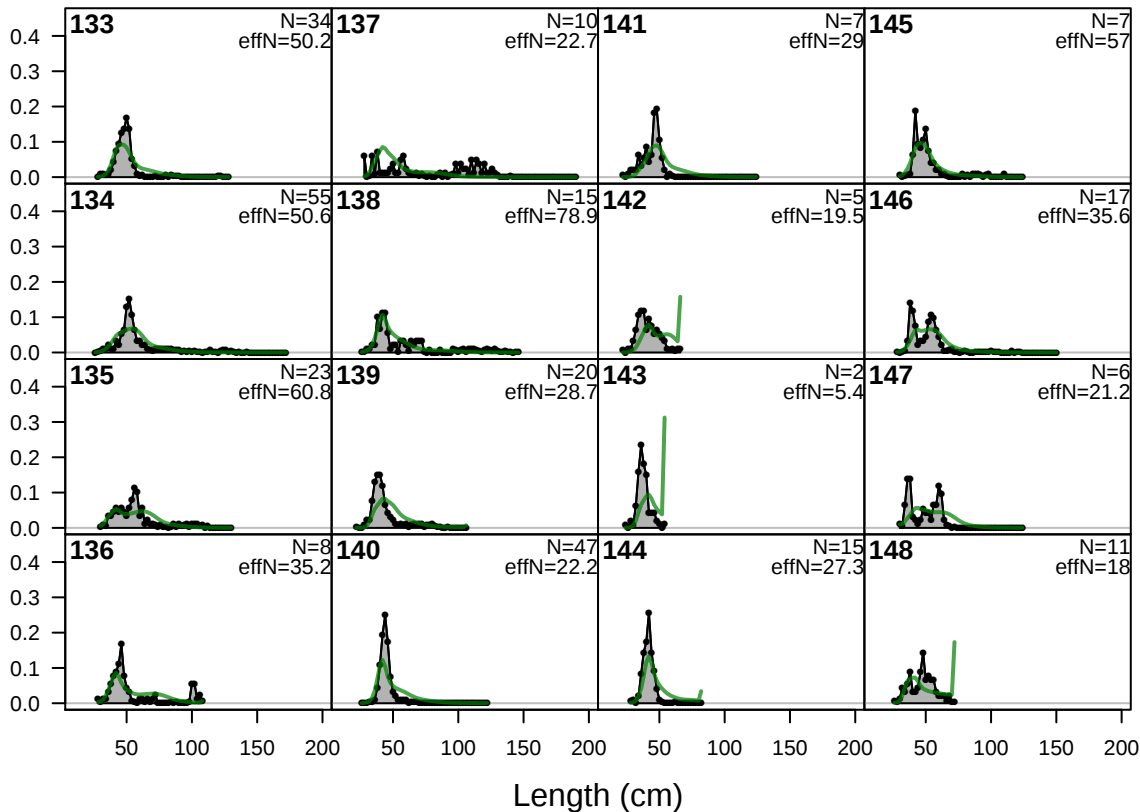


length comps, whole catch, F2-OBJ_C

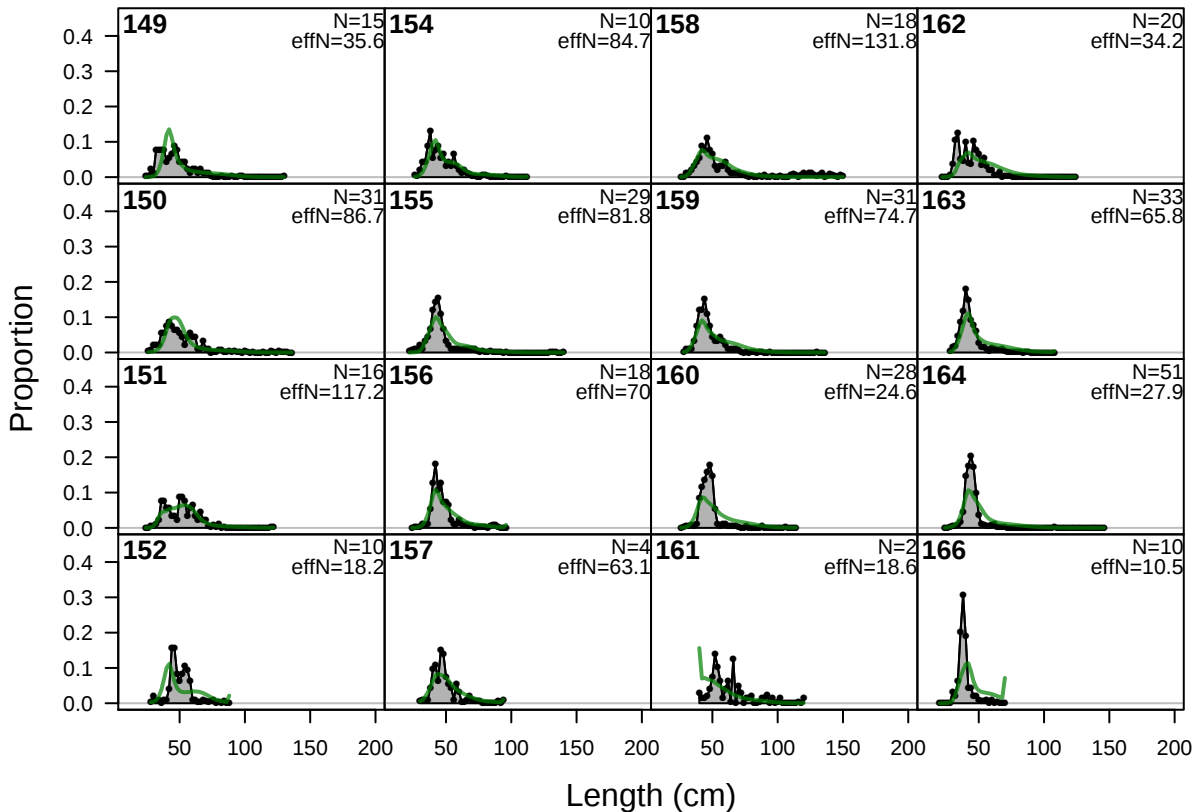


length comps, whole catch, F2-OBJ_C

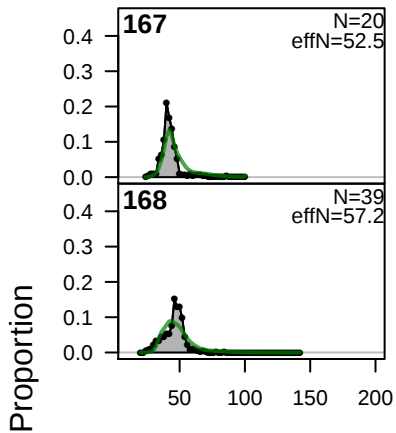
Proportion



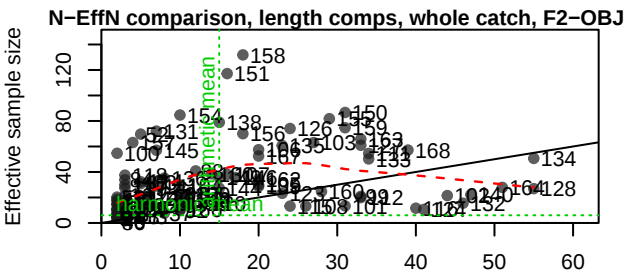
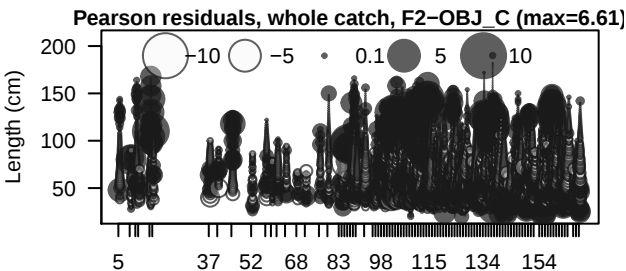
length comps, whole catch, F2-OBJ_C



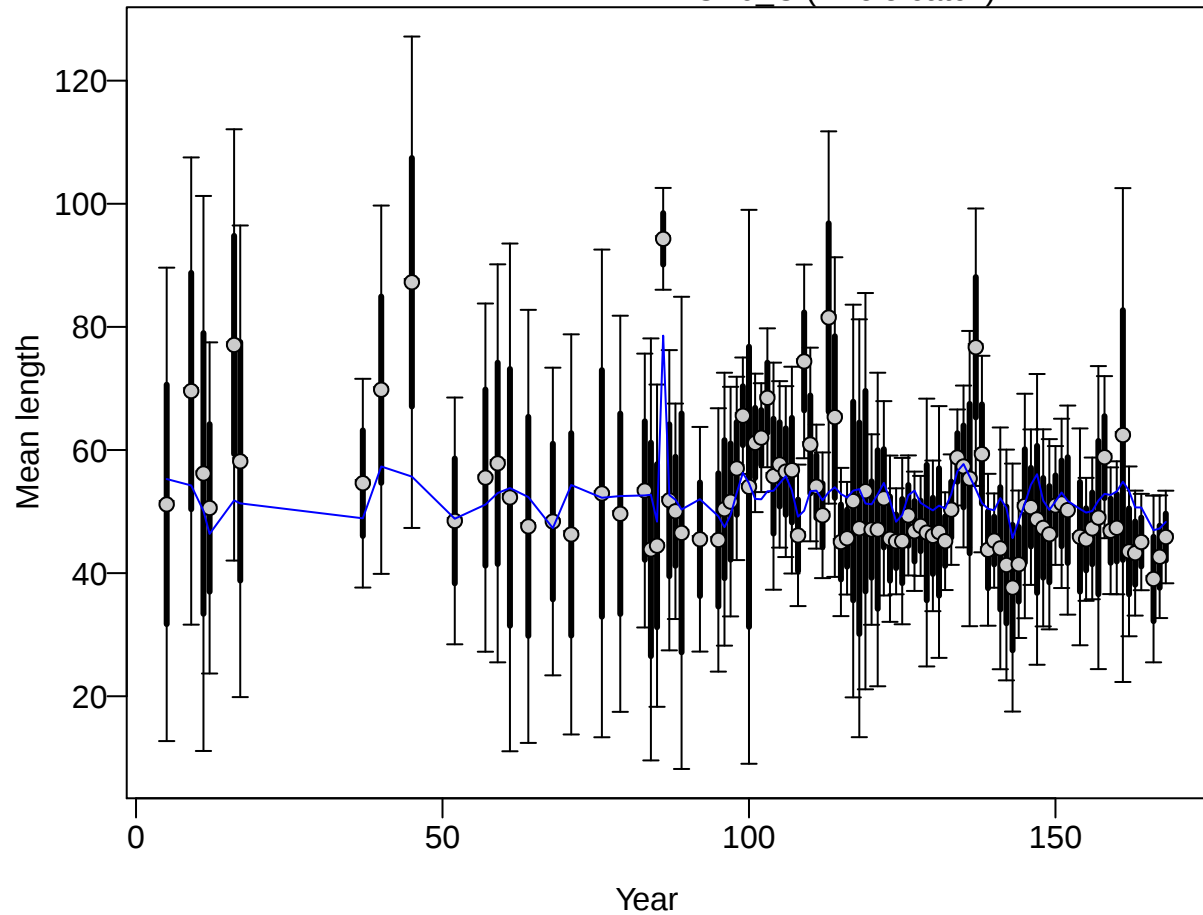
length comps, whole catch, F2-OBJ_C



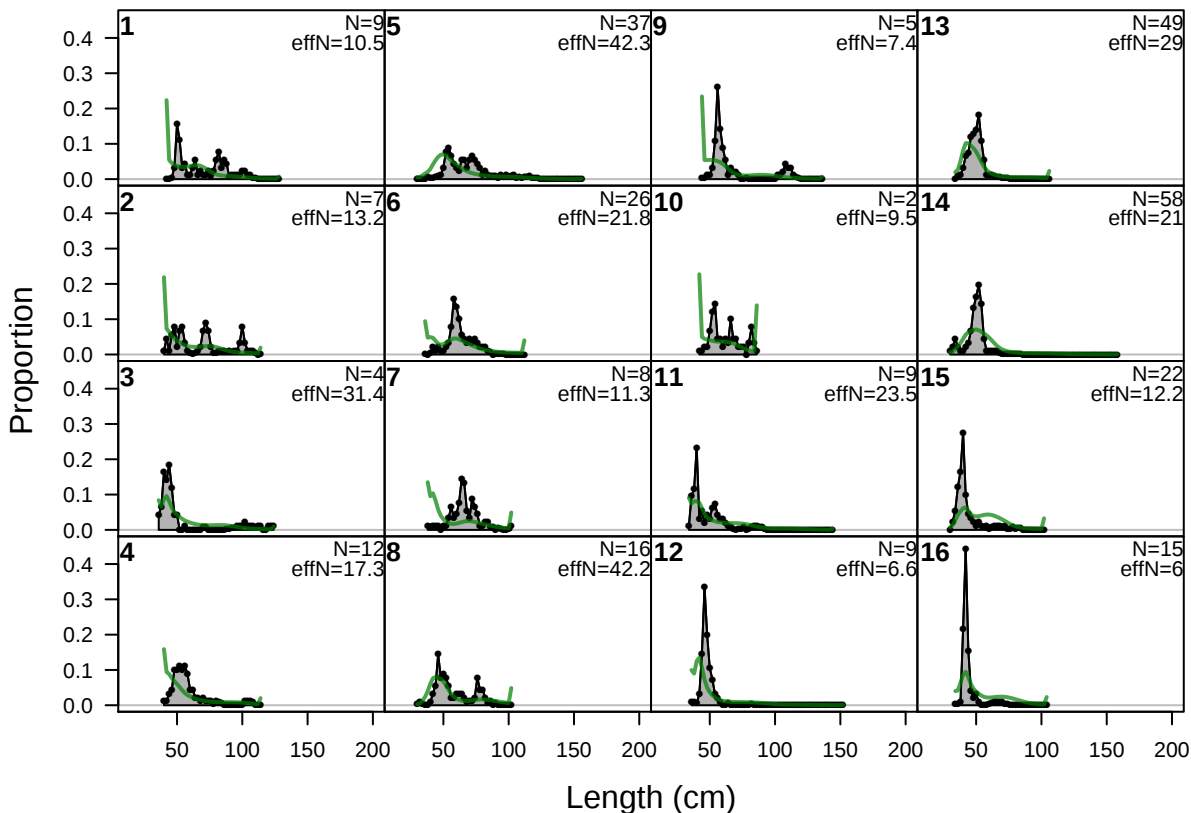
Length (cm)



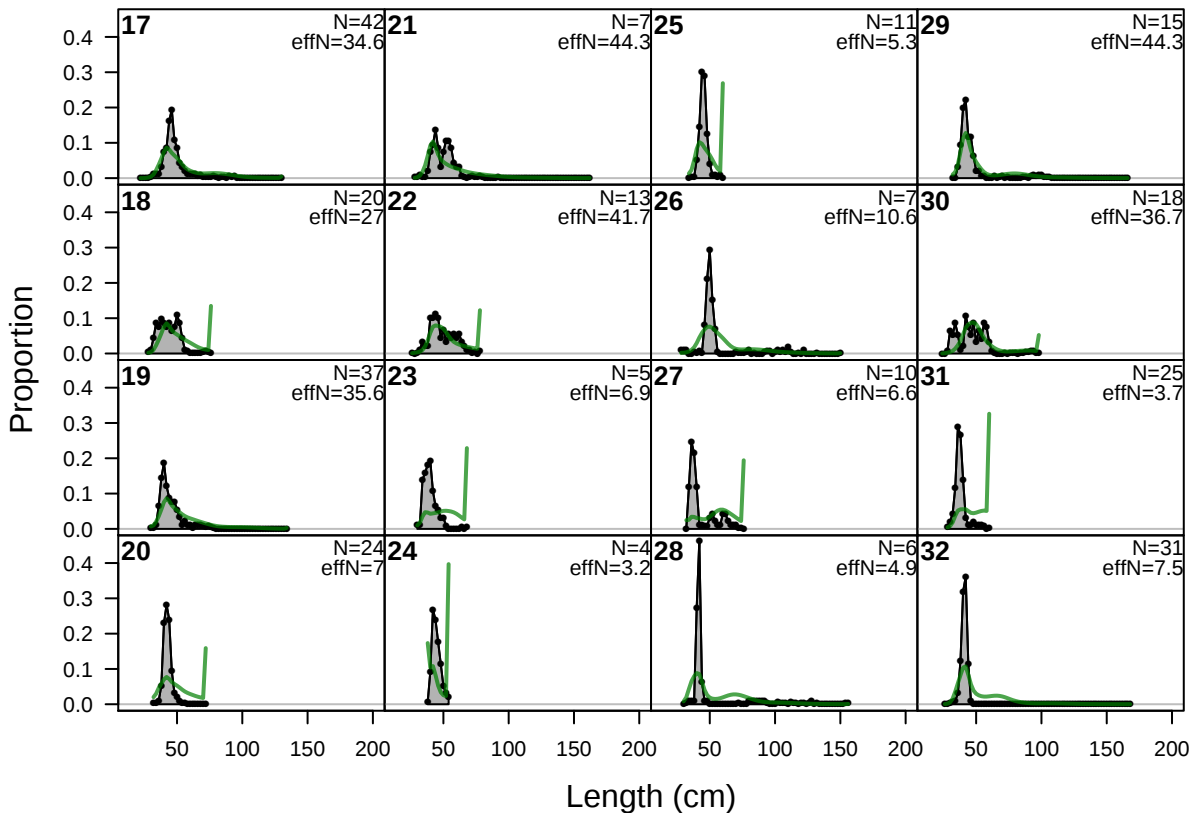
F2-OBJ_C (whole catch)



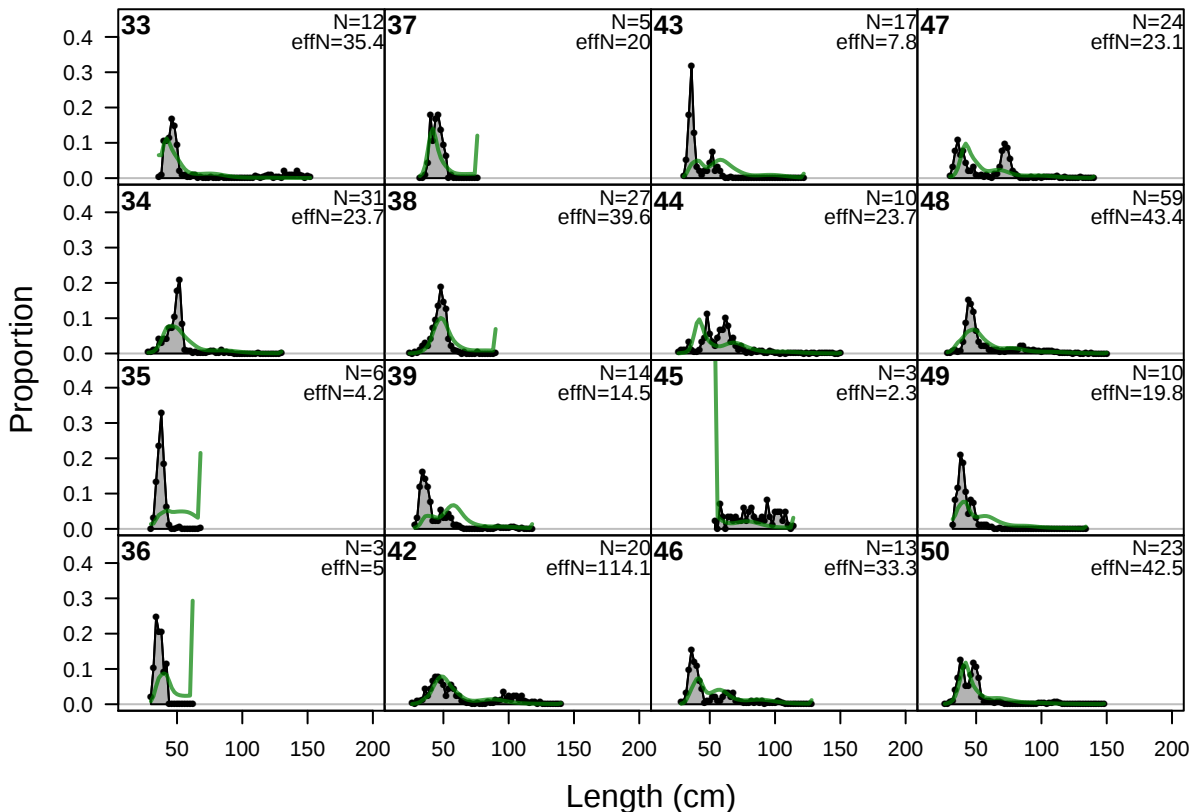
length comps, whole catch, F3-OBJ_I



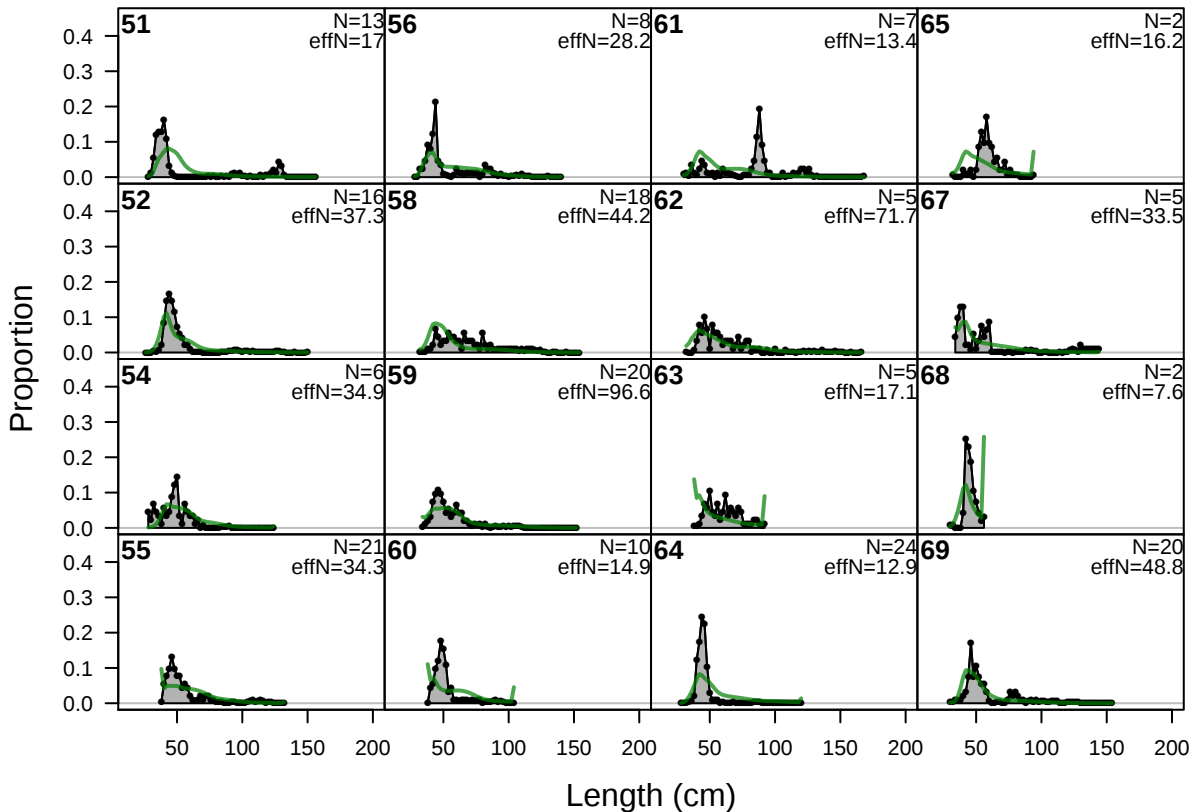
length comps, whole catch, F3-OBJ_I



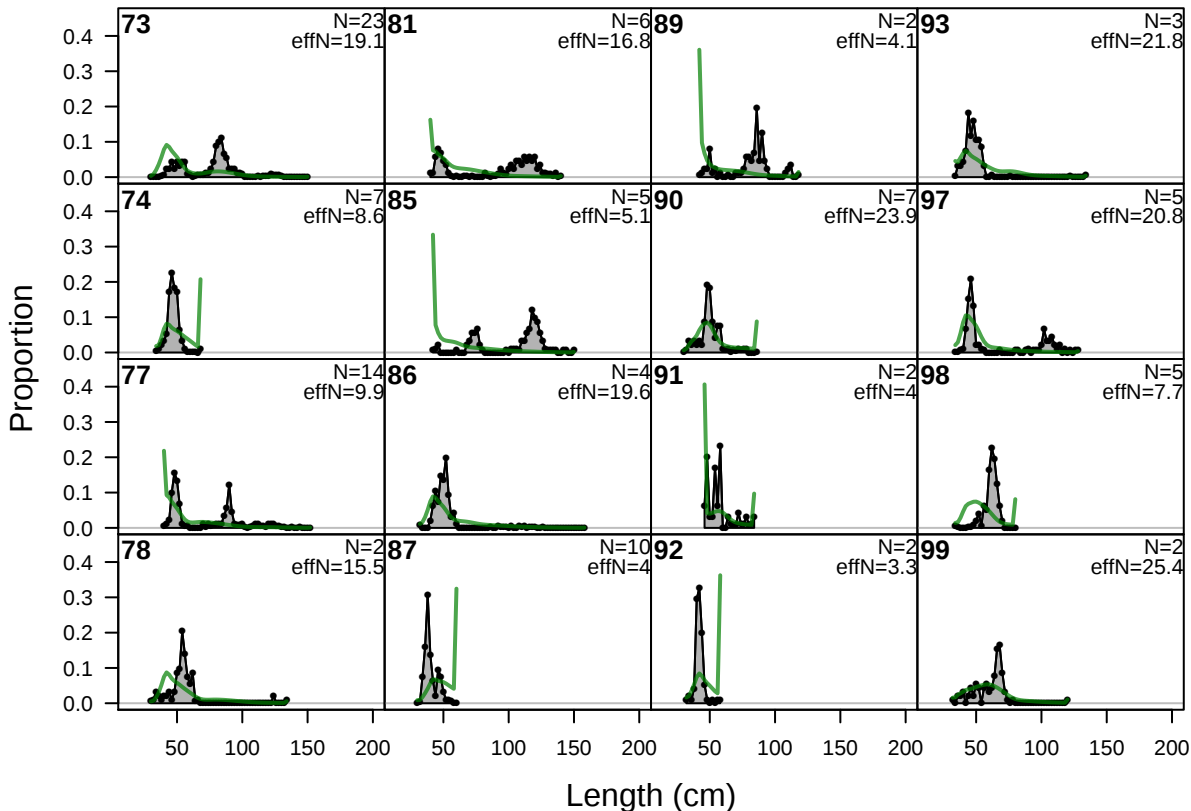
length comps, whole catch, F3-OBJ_I



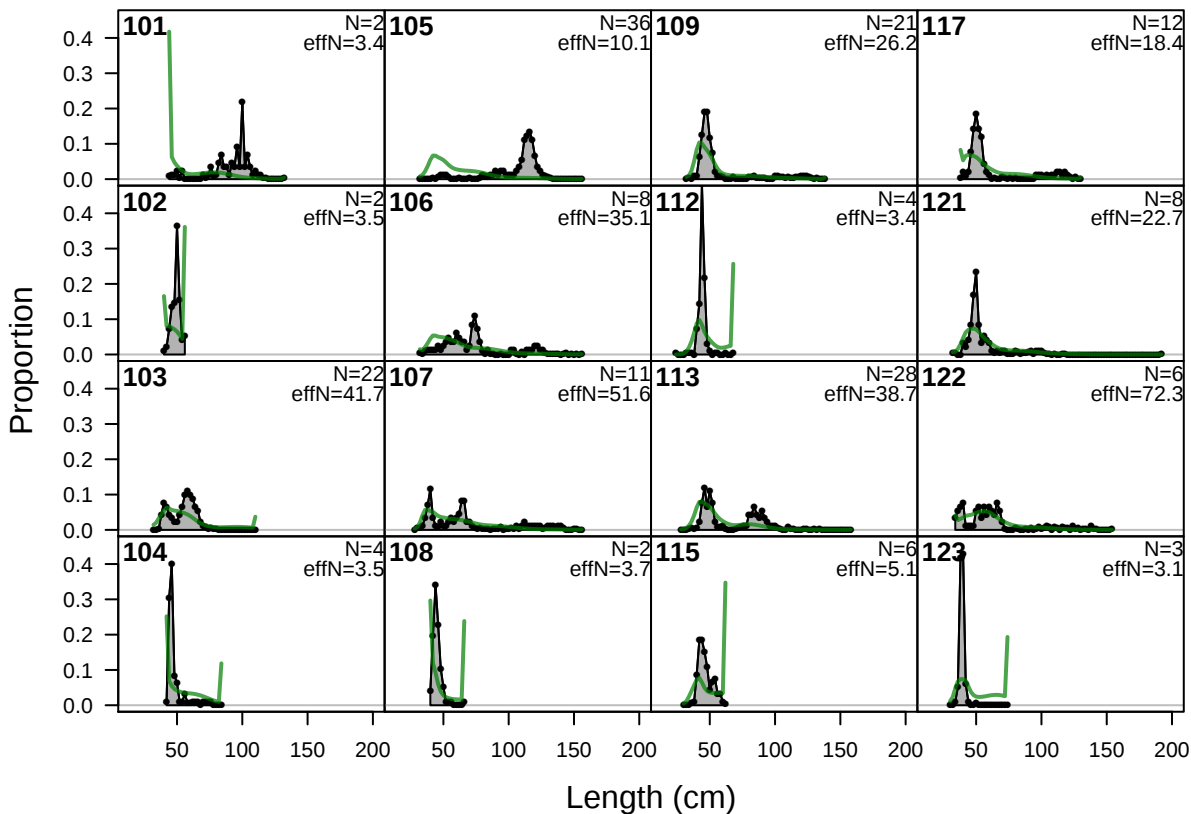
length comps, whole catch, F3-OBJ_I



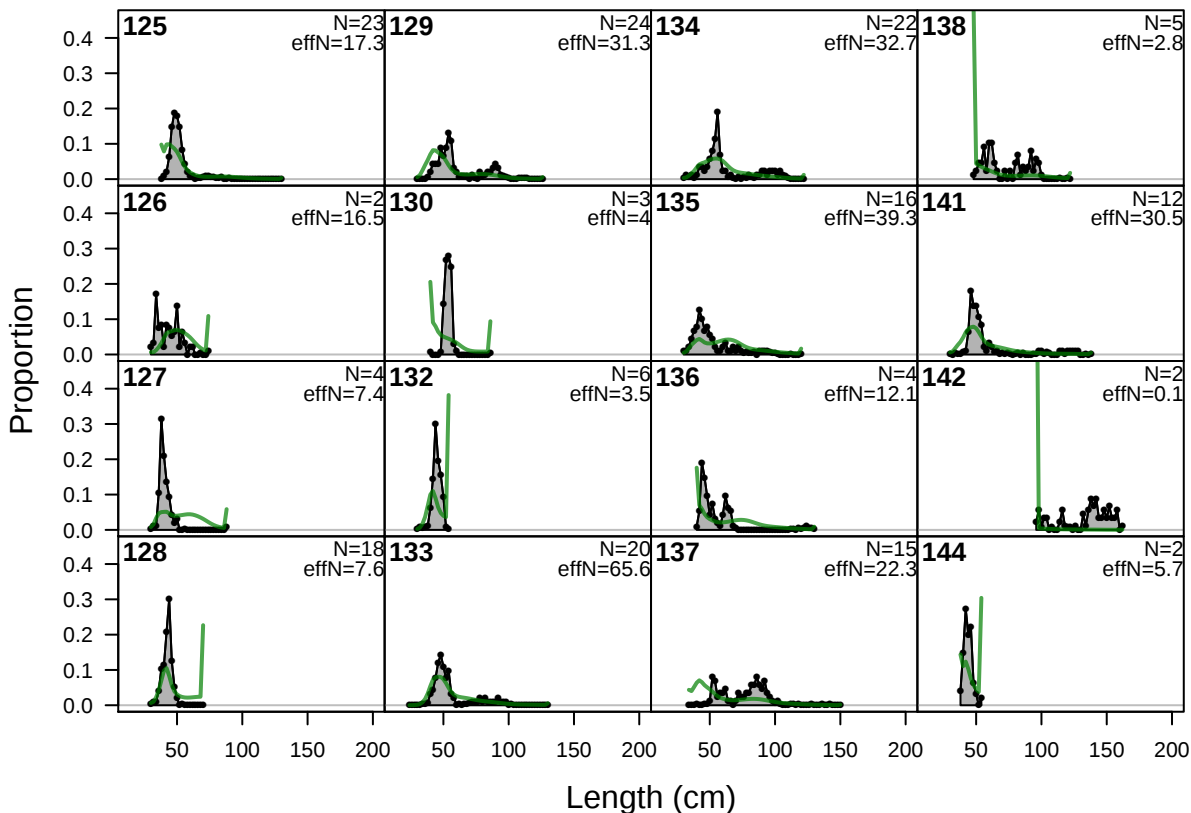
length comps, whole catch, F3-OBJ_I



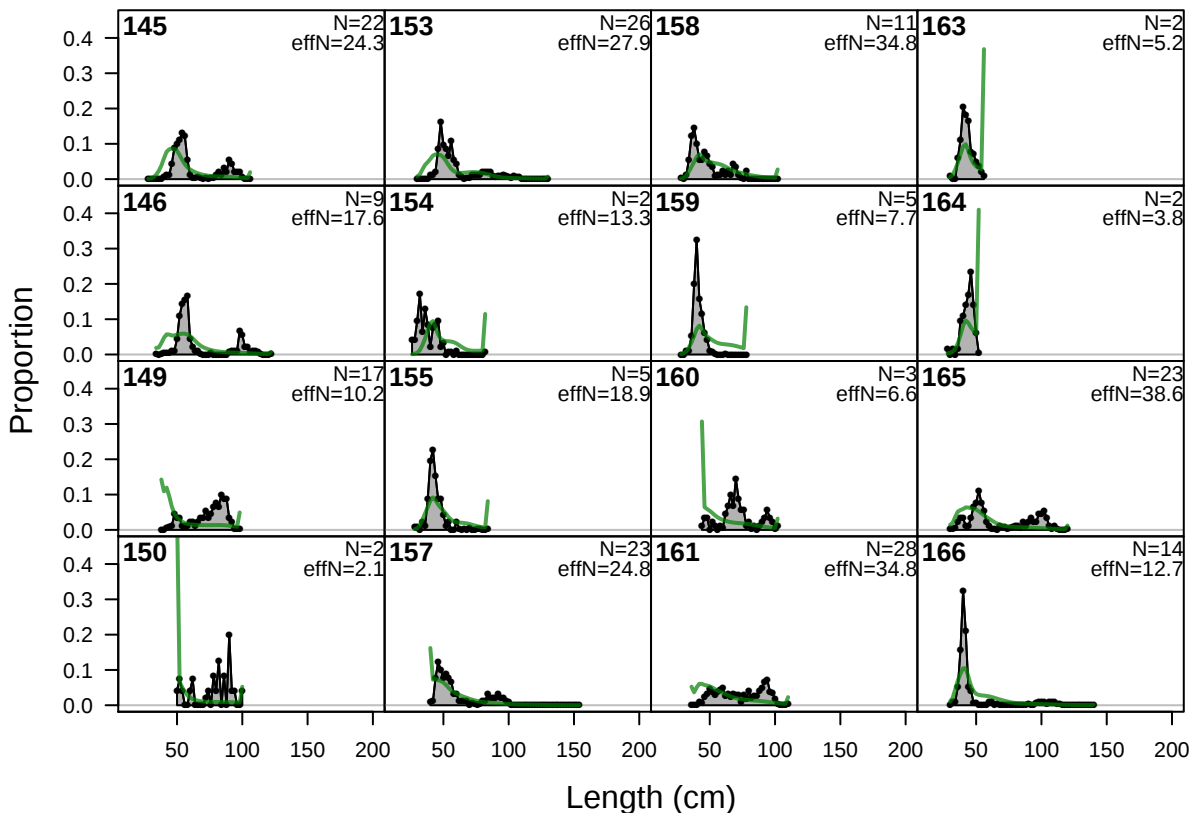
length comps, whole catch, F3-OBJ_I



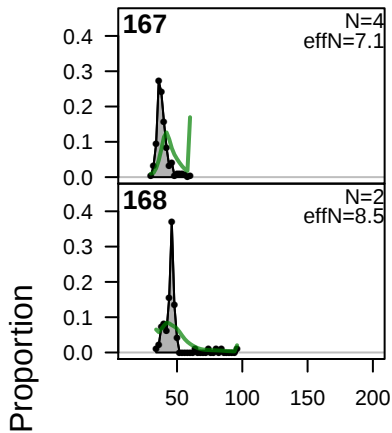
length comps, whole catch, F3-OBJ_I



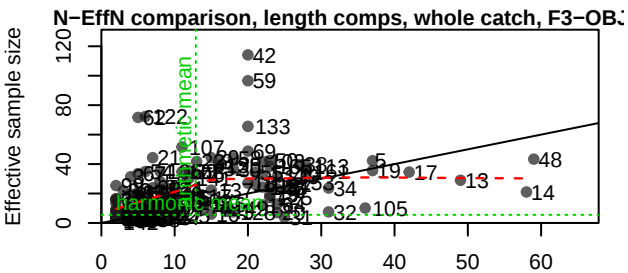
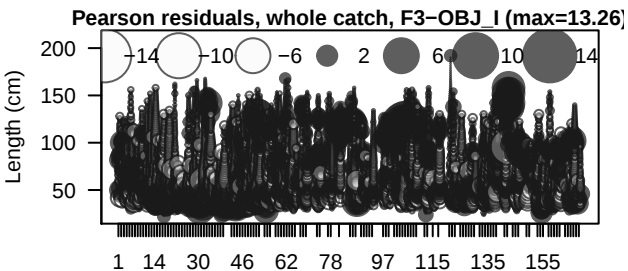
length comps, whole catch, F3-OBJ_I



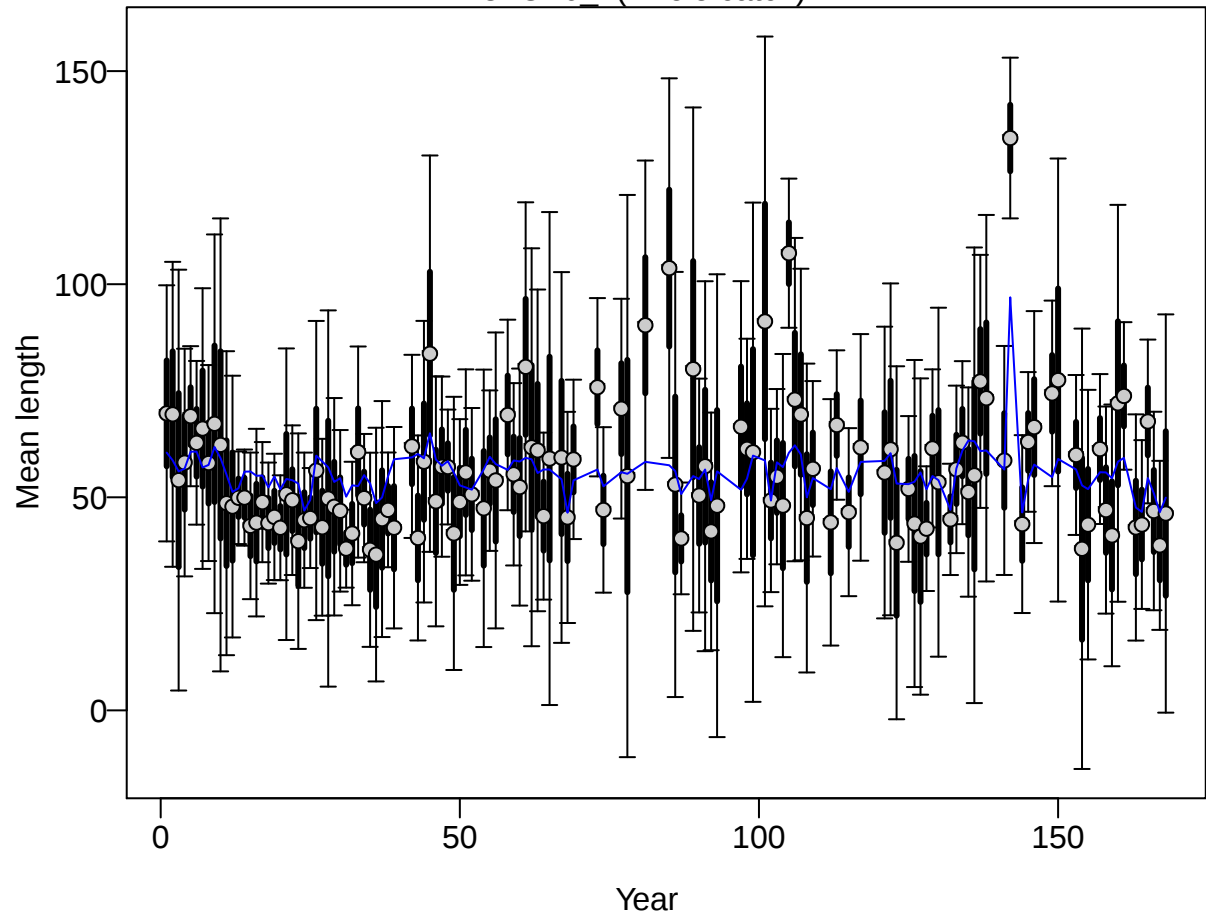
length comps, whole catch, F3-OBJ_I



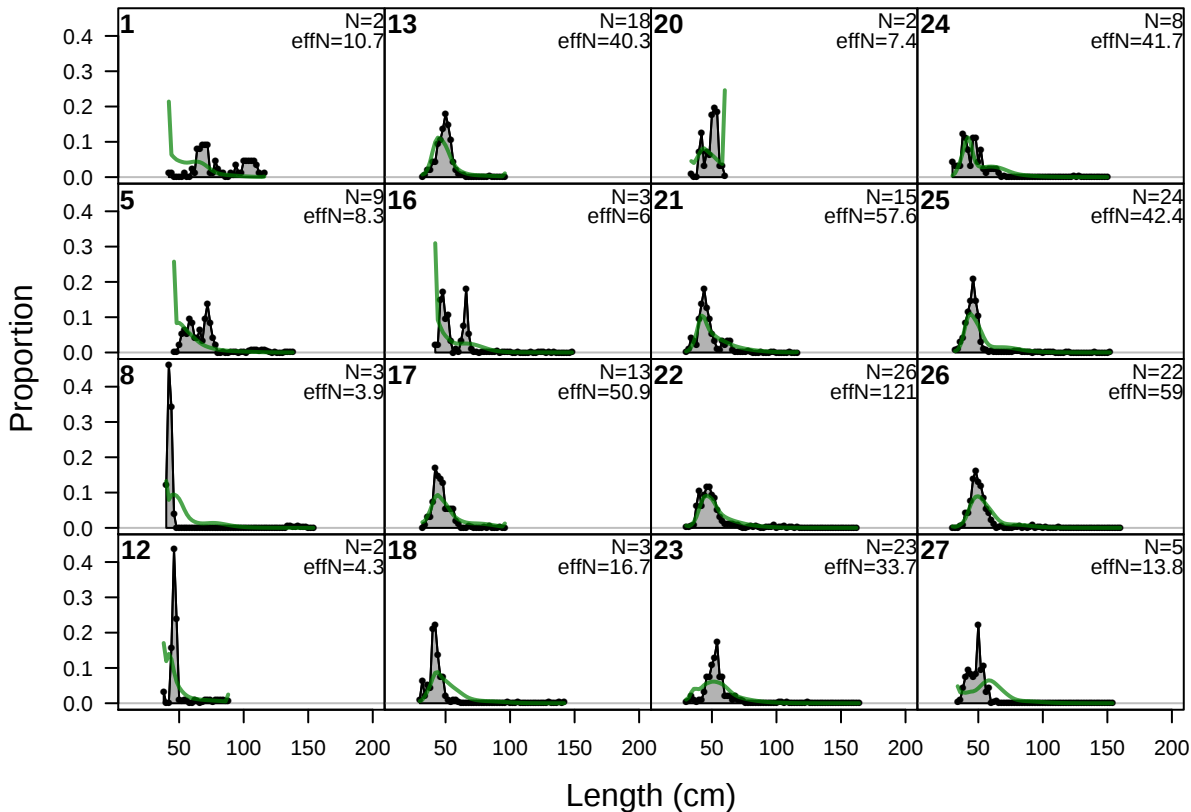
Length (cm)



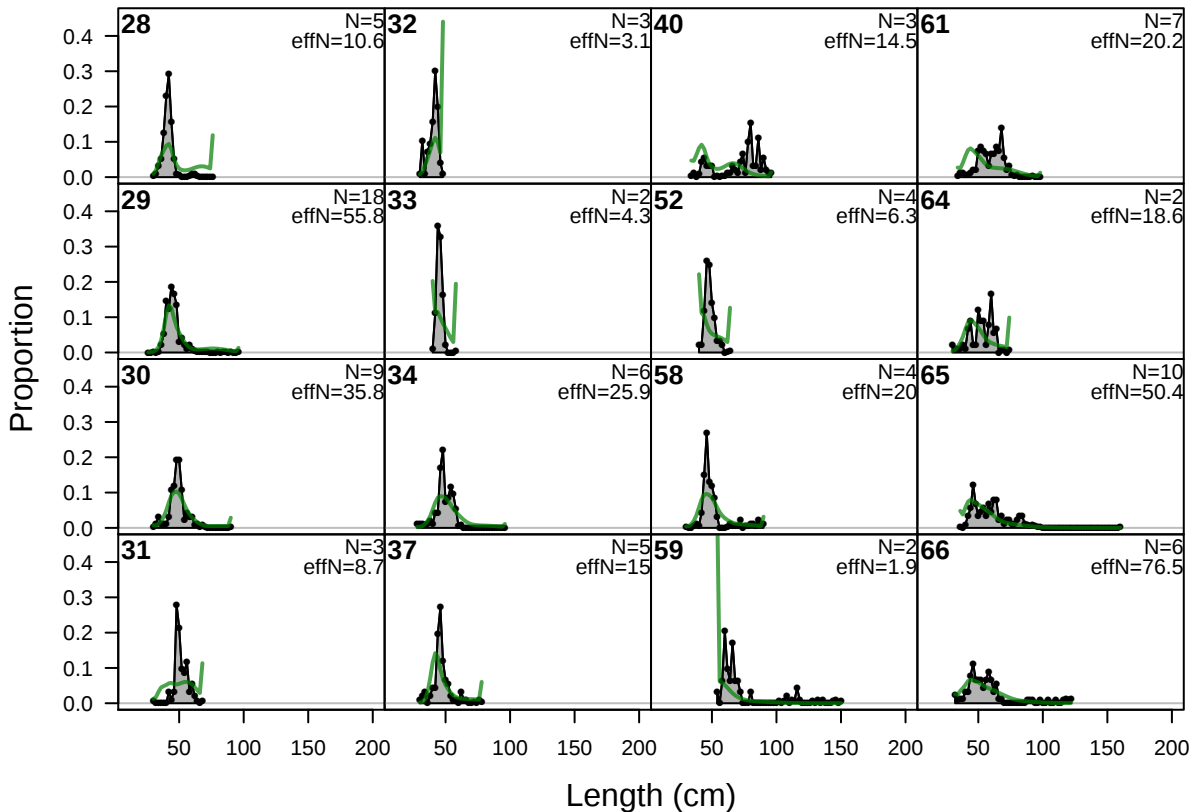
F3-OBJ I (whole catch)



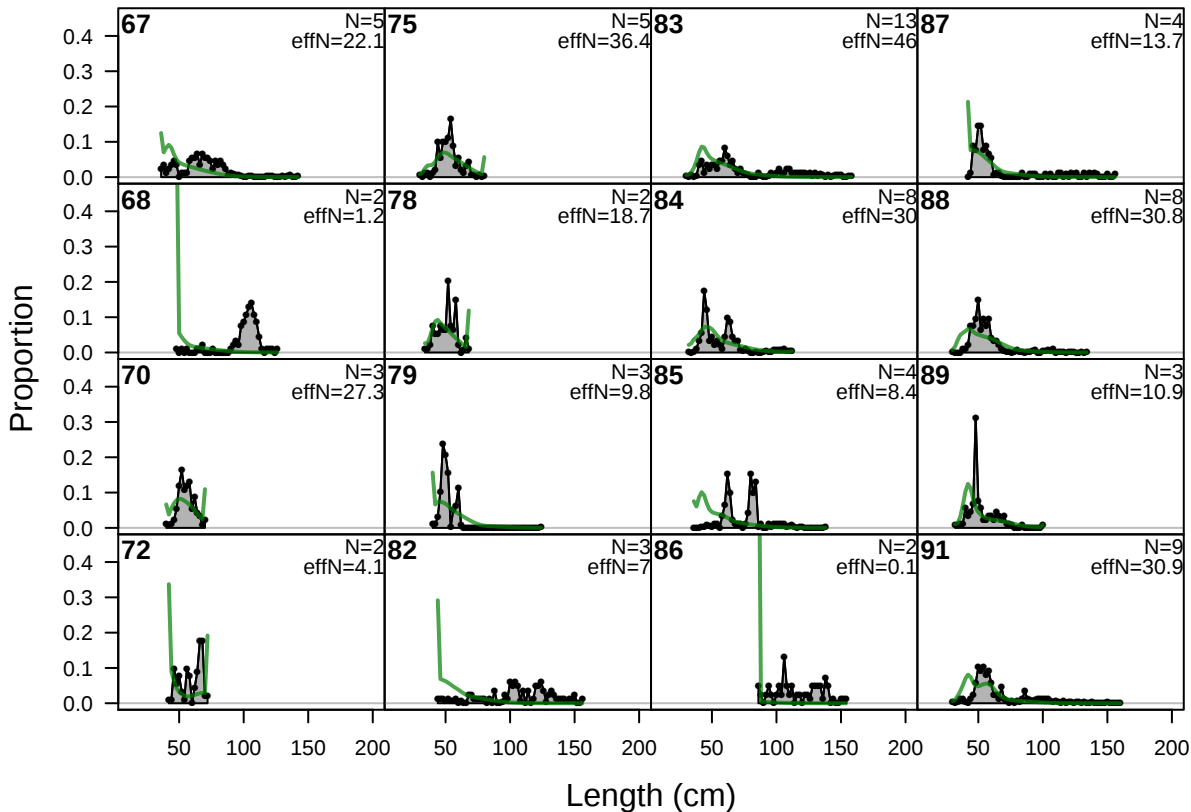
length comps, whole catch, F4-OBJ_N



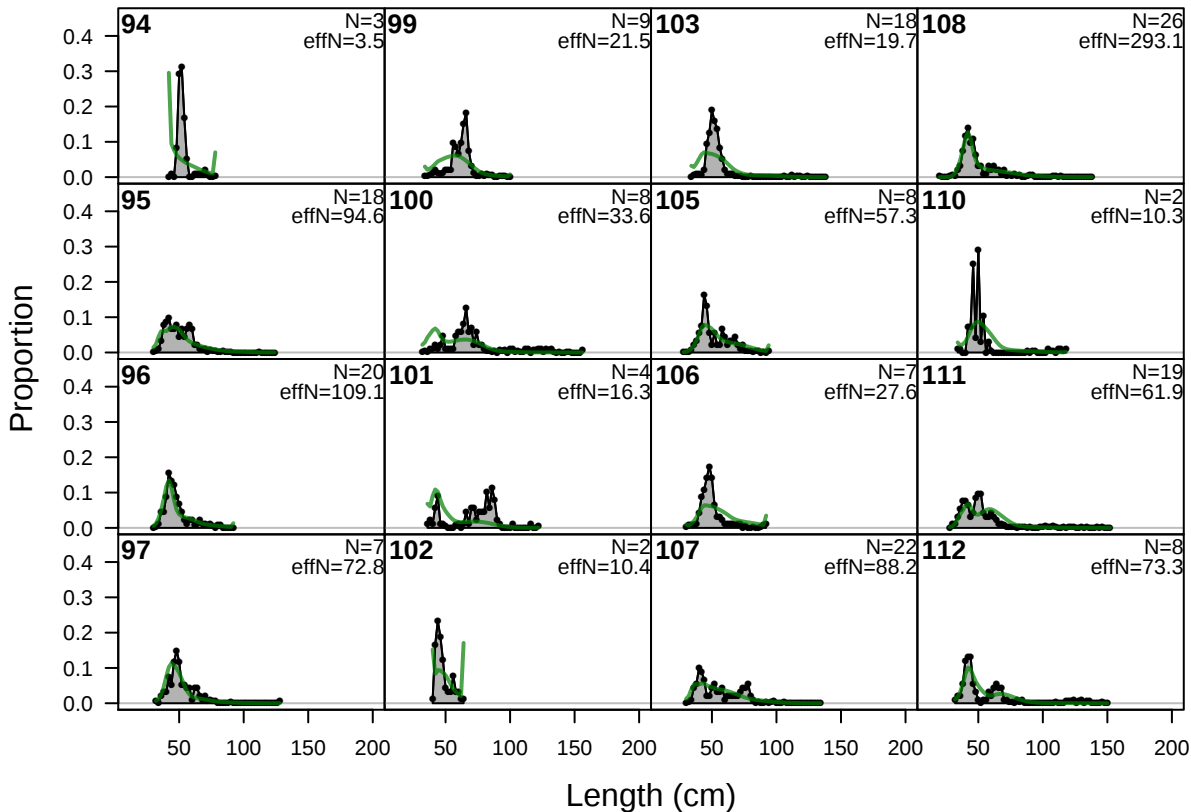
length comps, whole catch, F4-OBJ_N



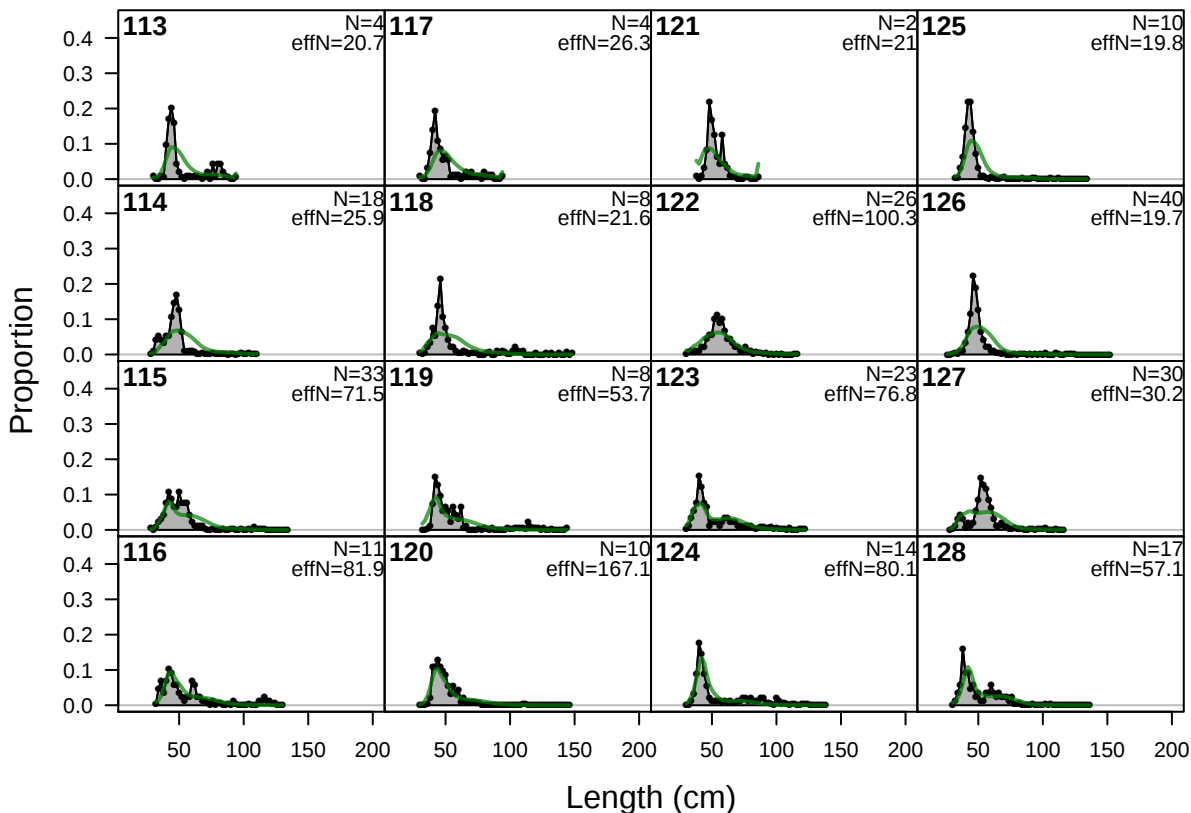
length comps, whole catch, F4-OBJ_N



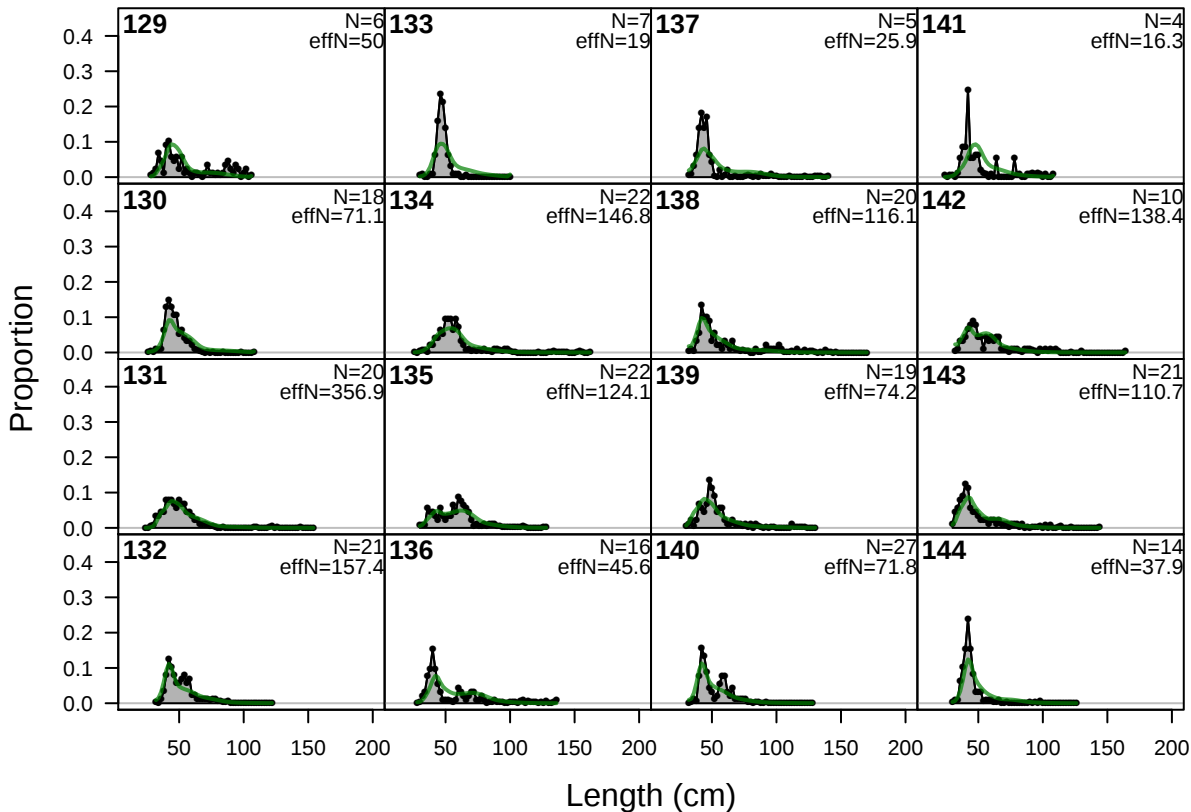
length comps, whole catch, F4-OBJ_N



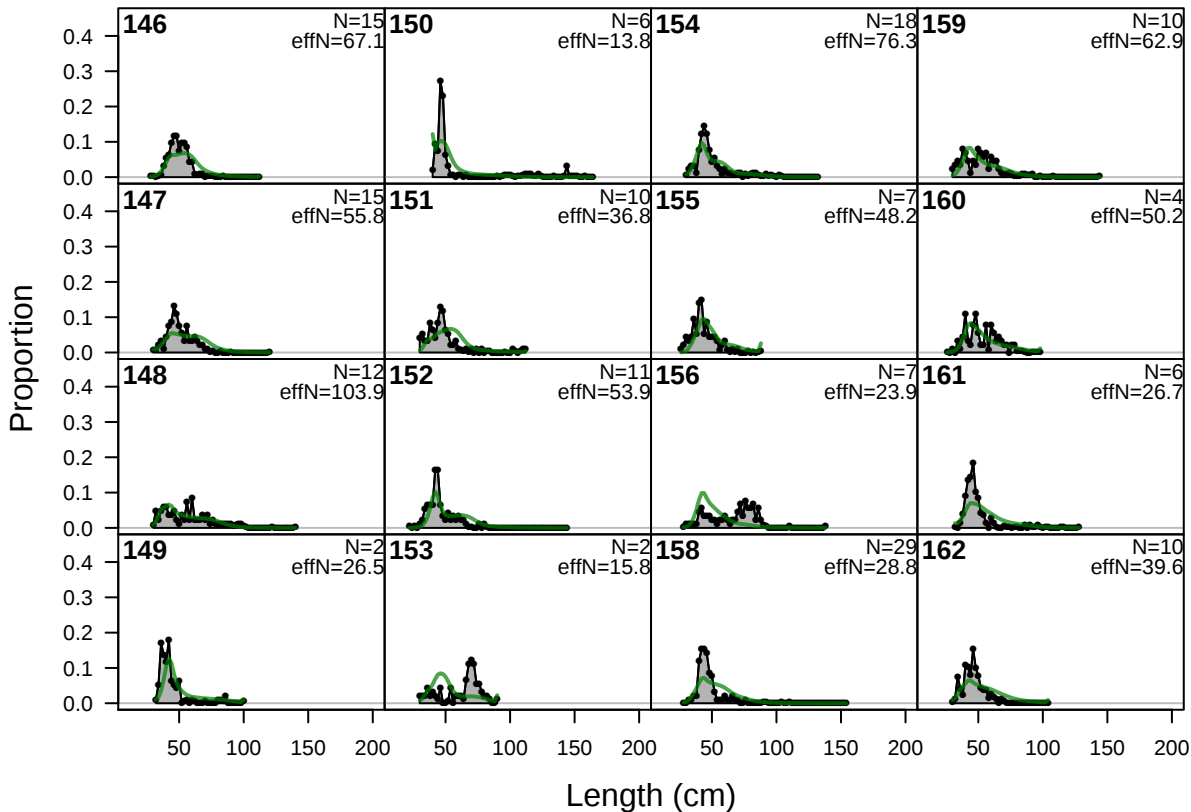
length comps, whole catch, F4-OBJ_N



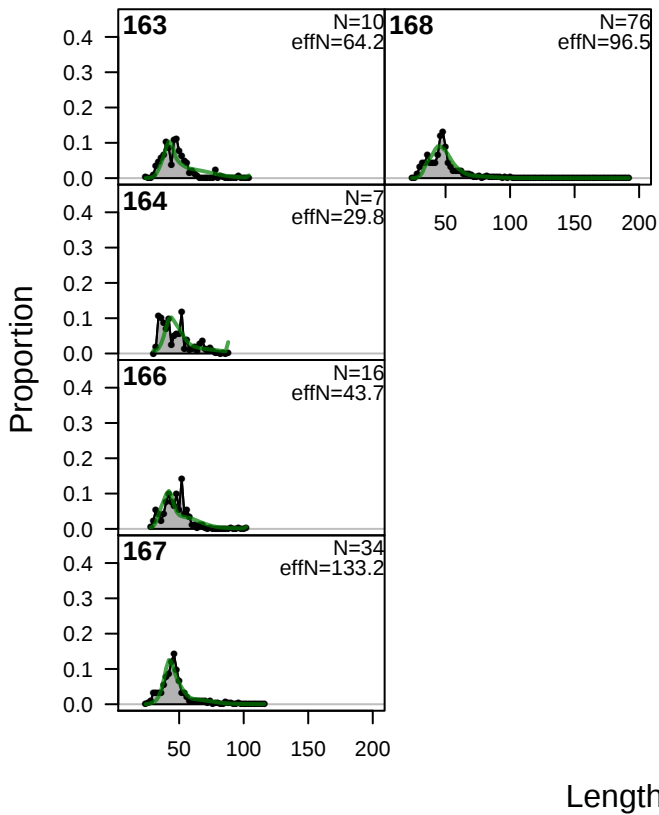
length comps, whole catch, F4-OBJ_N

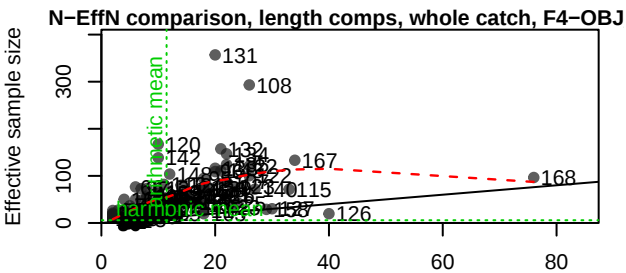
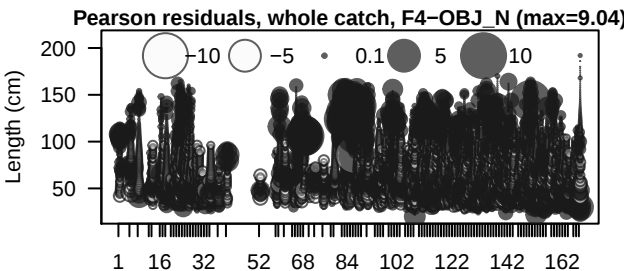


length comps, whole catch, F4-OBJ_N

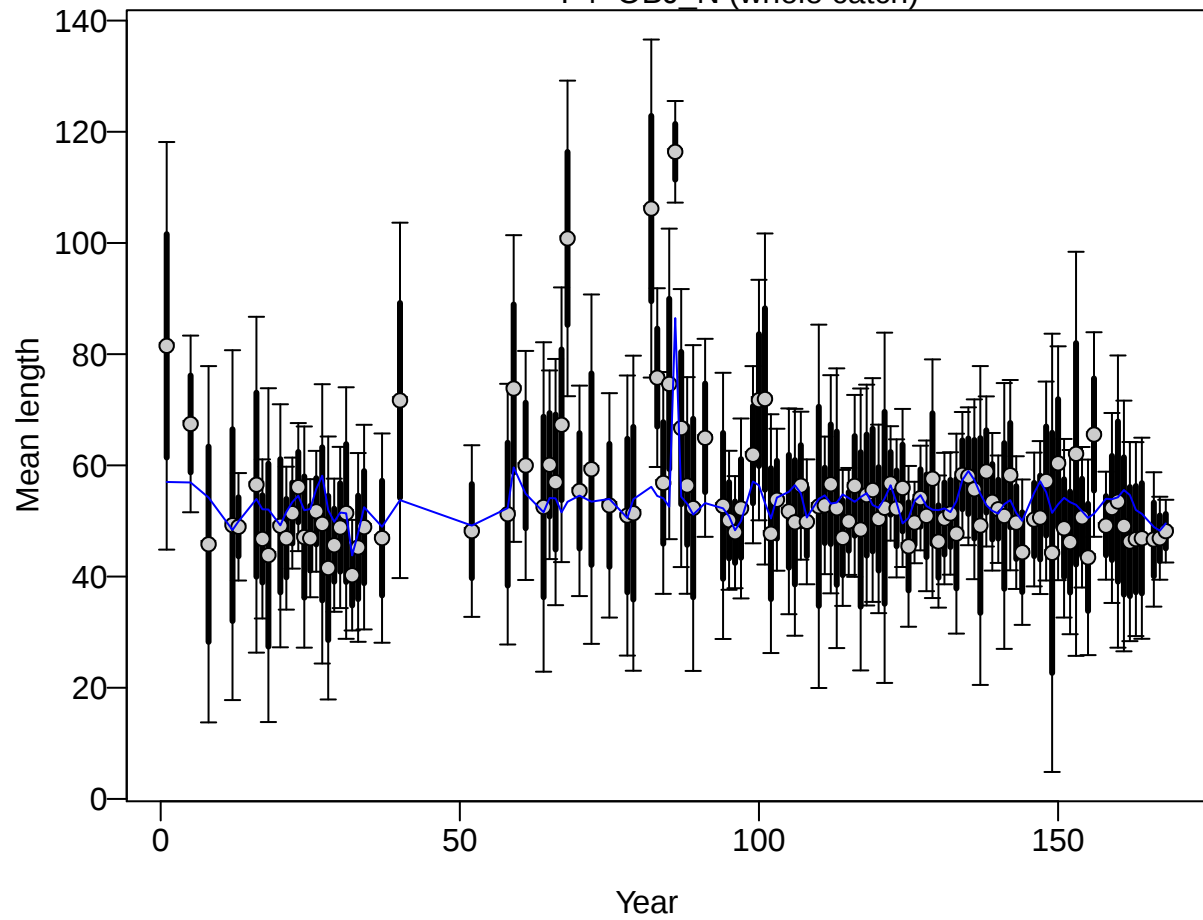


length comps, whole catch, F4-OBJ_N

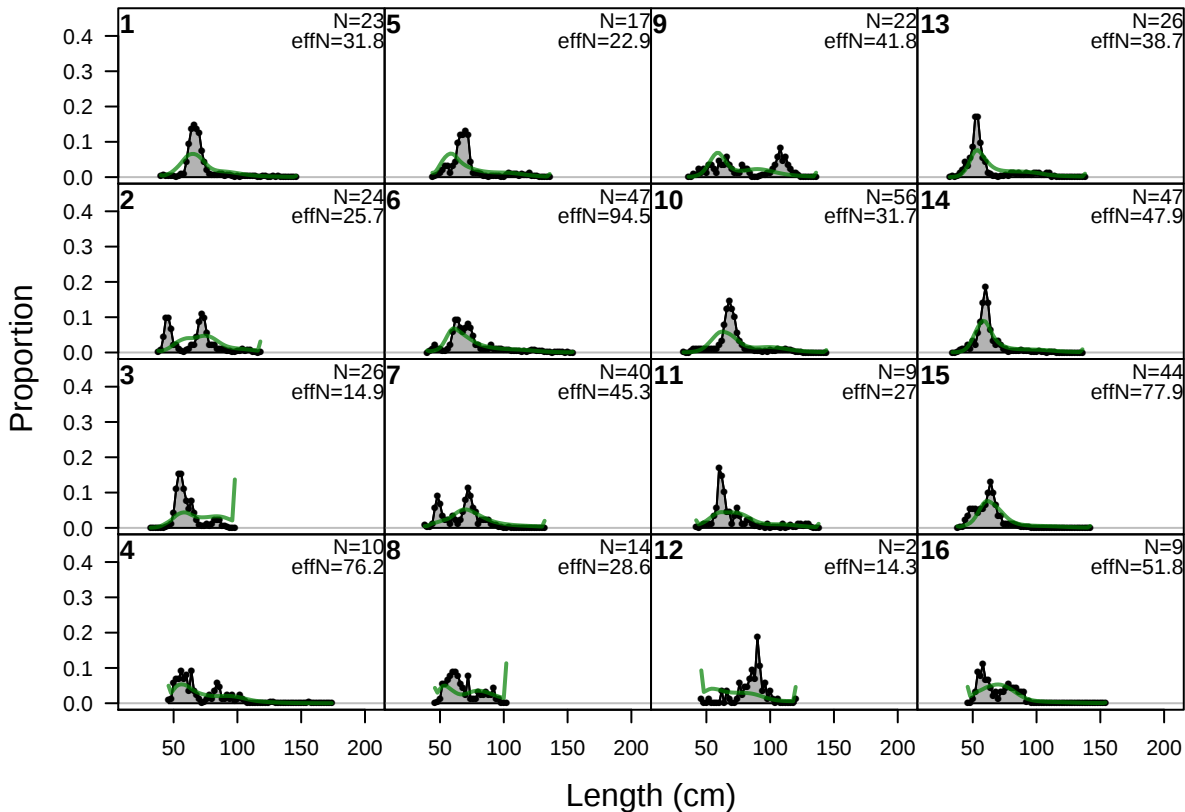




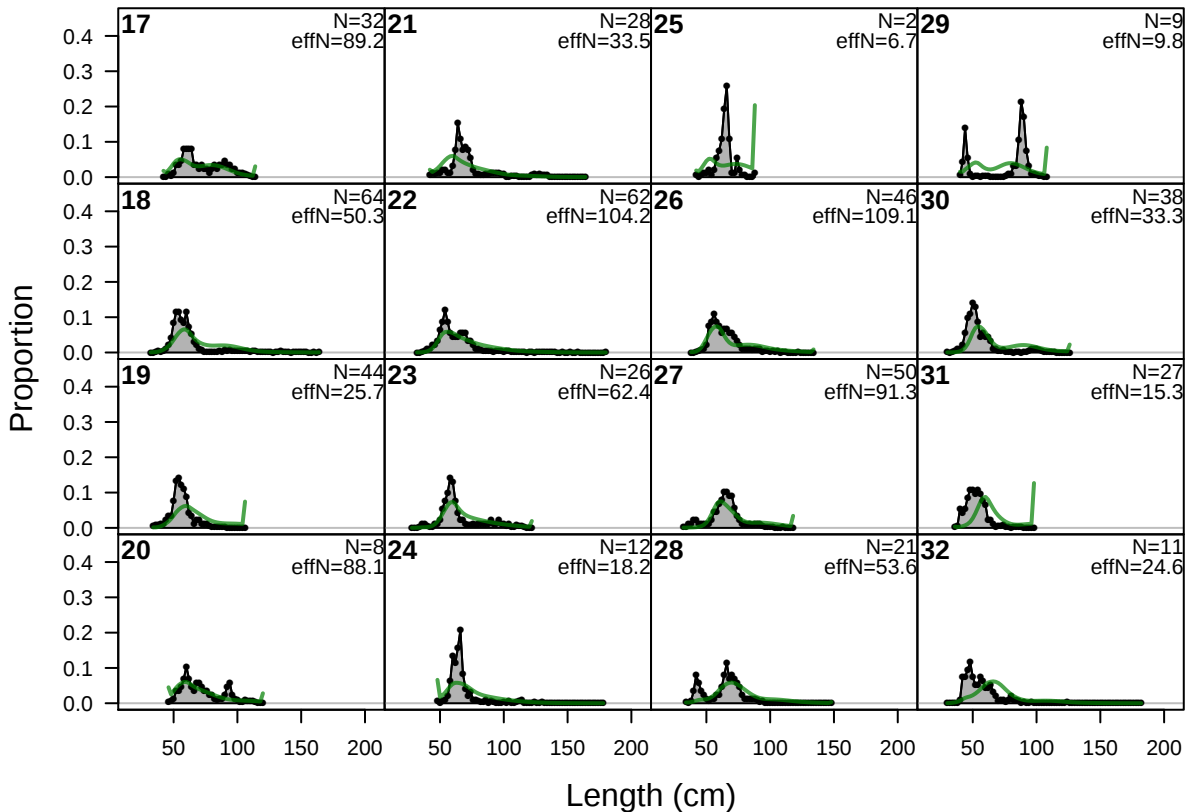
F4-OBJ_N (whole catch)



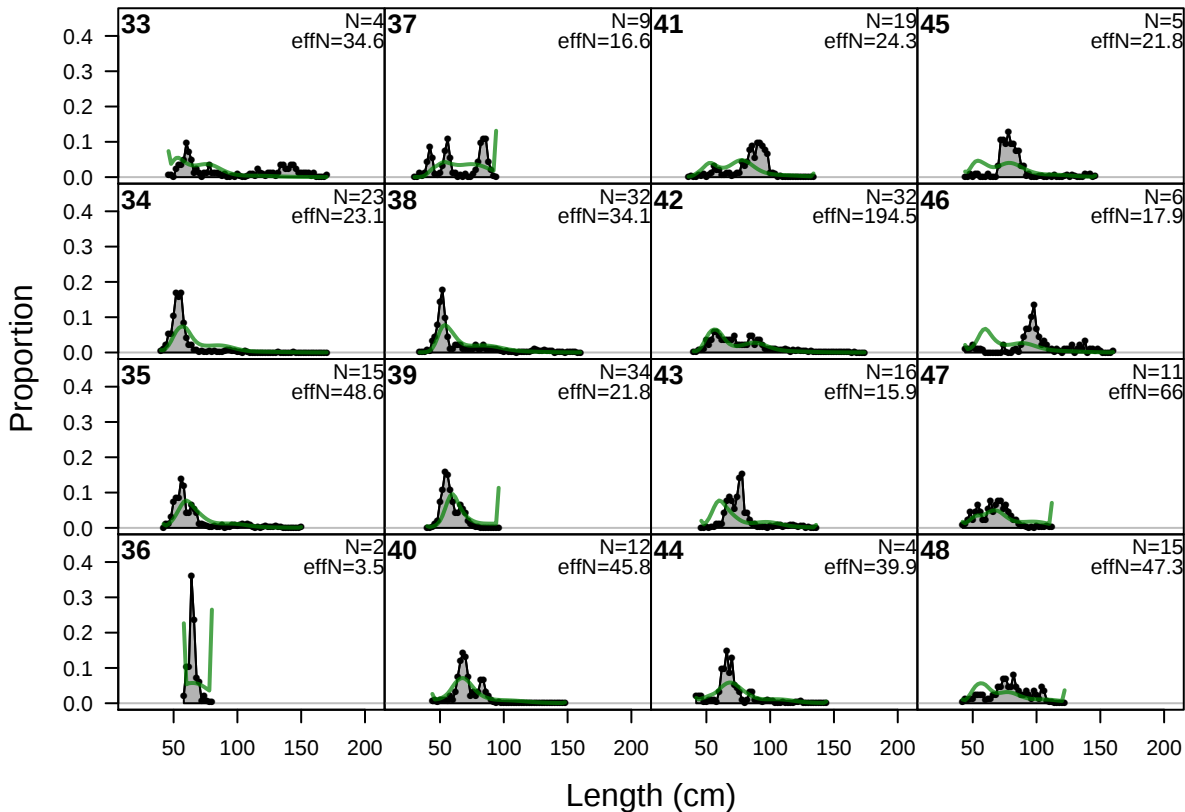
length comps, whole catch, F5-NOA_N



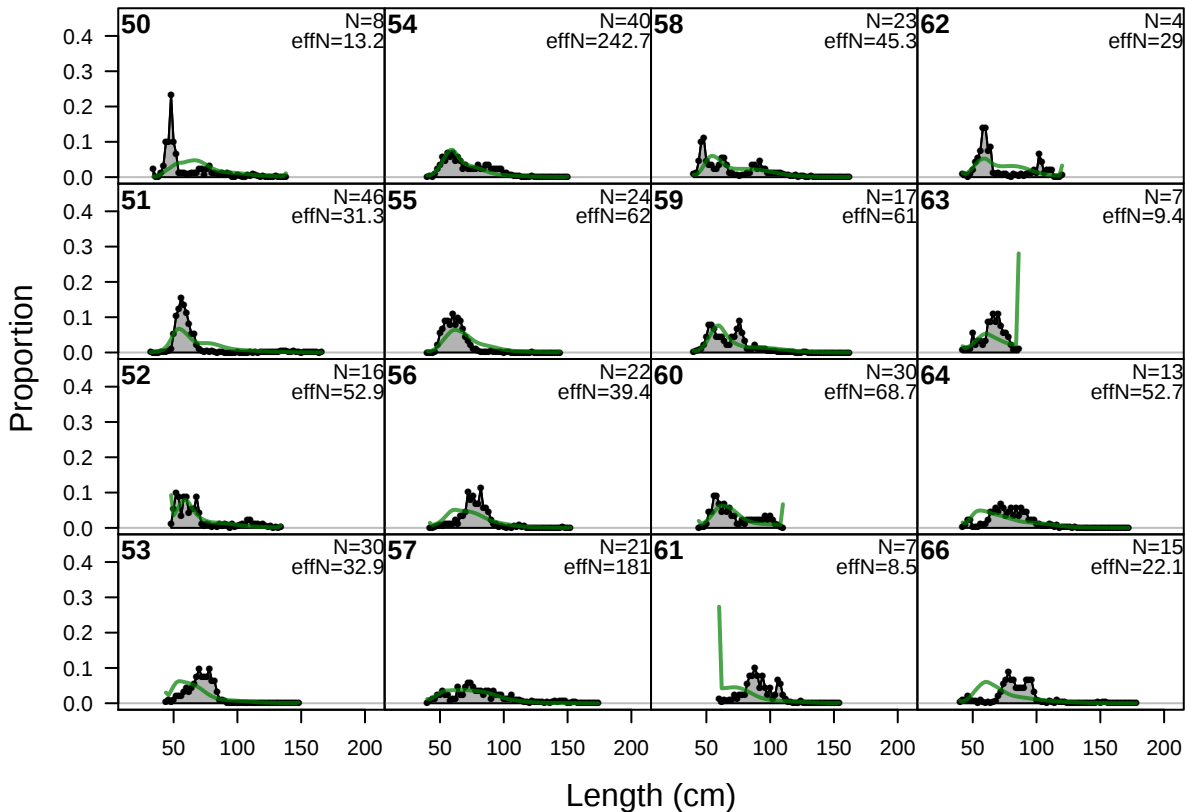
length comps, whole catch, F5-NOA_N



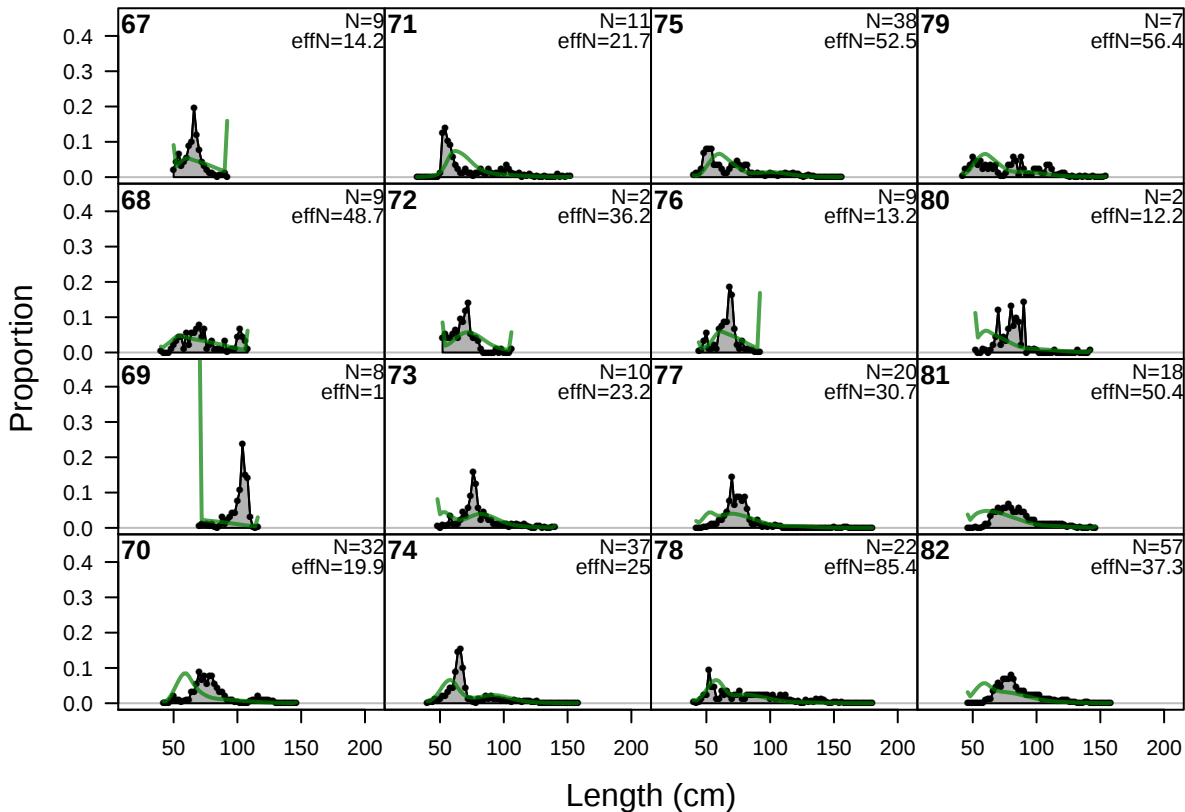
length comps, whole catch, F5-NOA_N



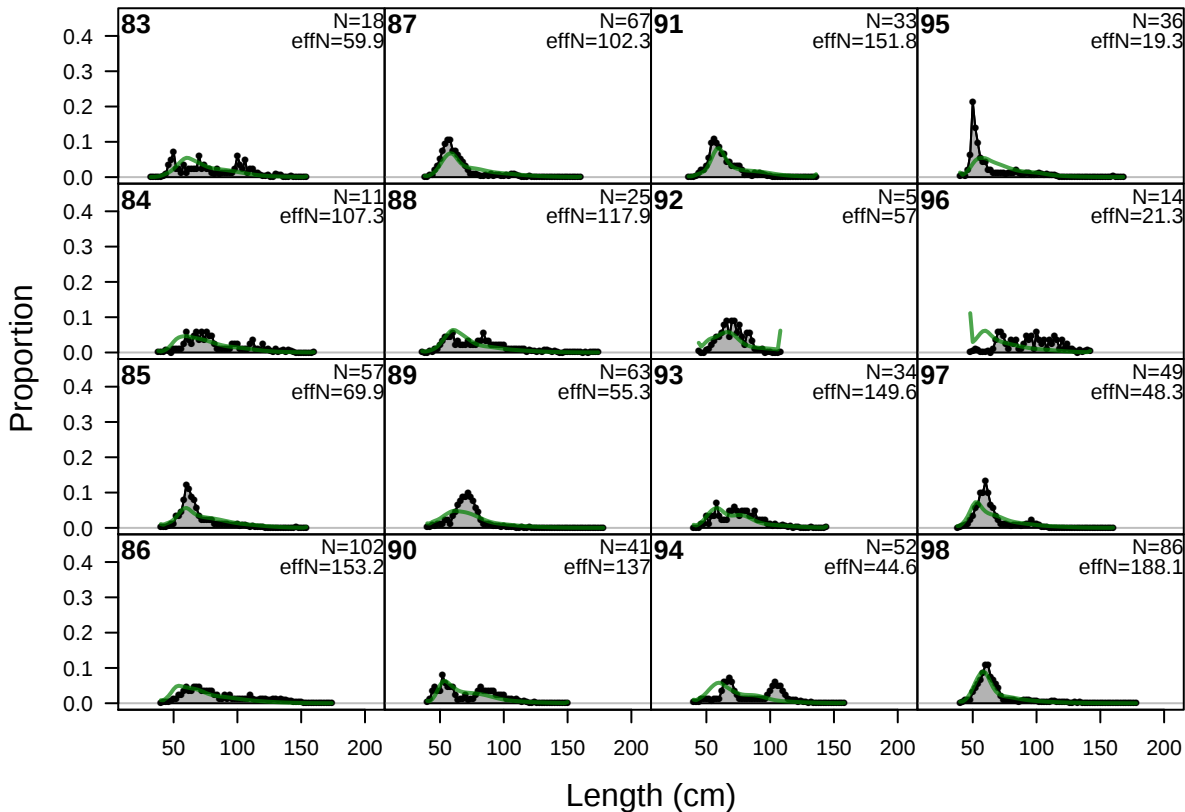
length comps, whole catch, F5-NOA_N



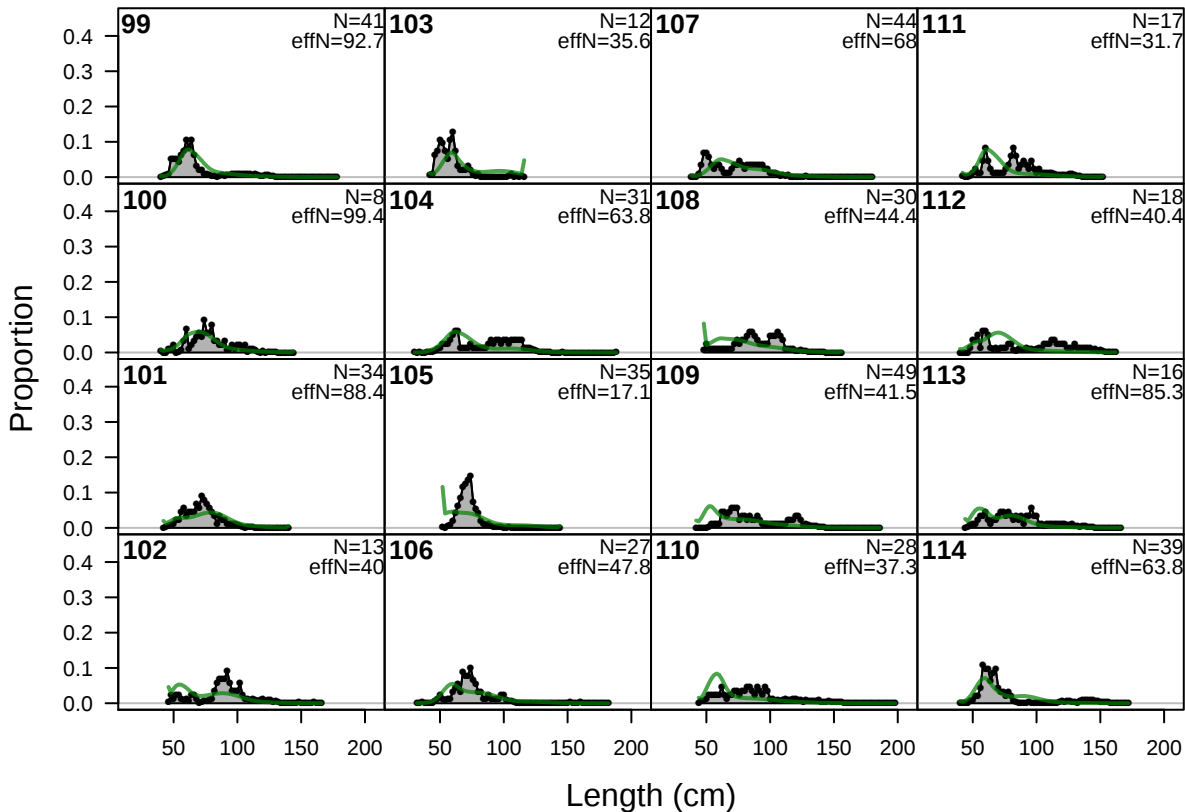
length comps, whole catch, F5-NOA_N



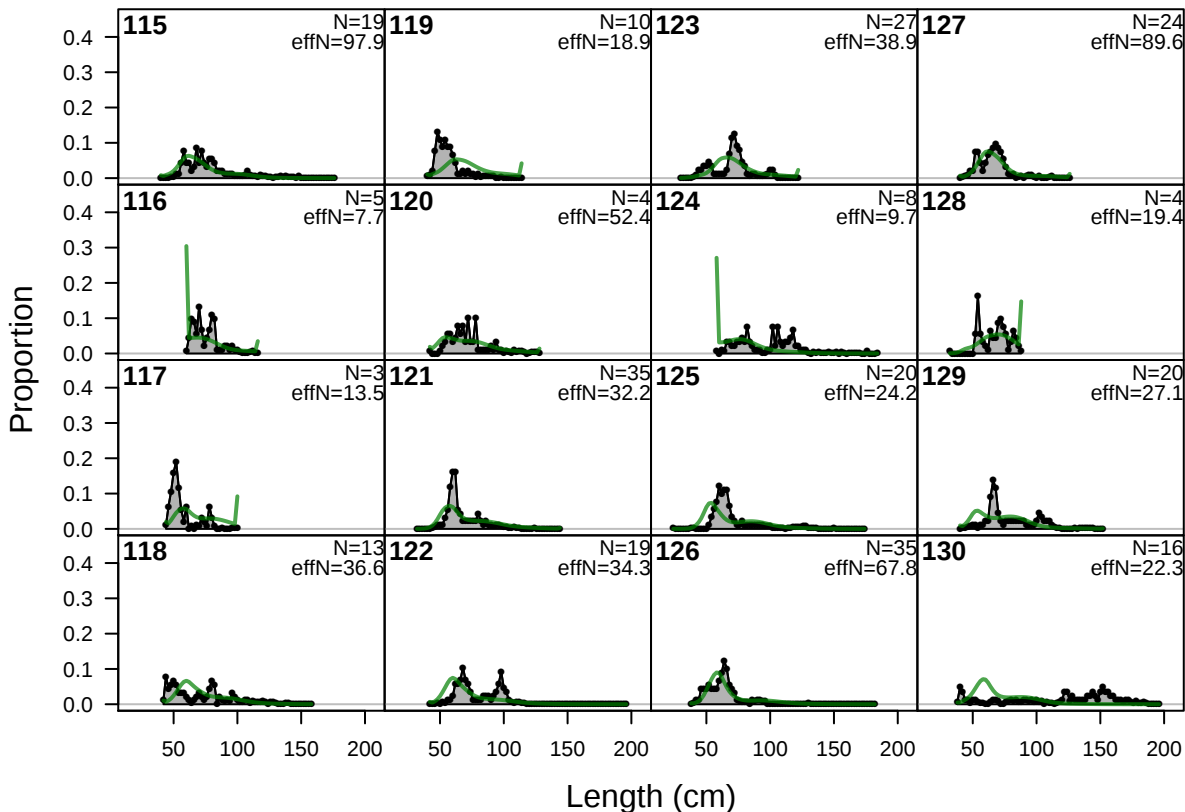
length comps, whole catch, F5-NOA_N



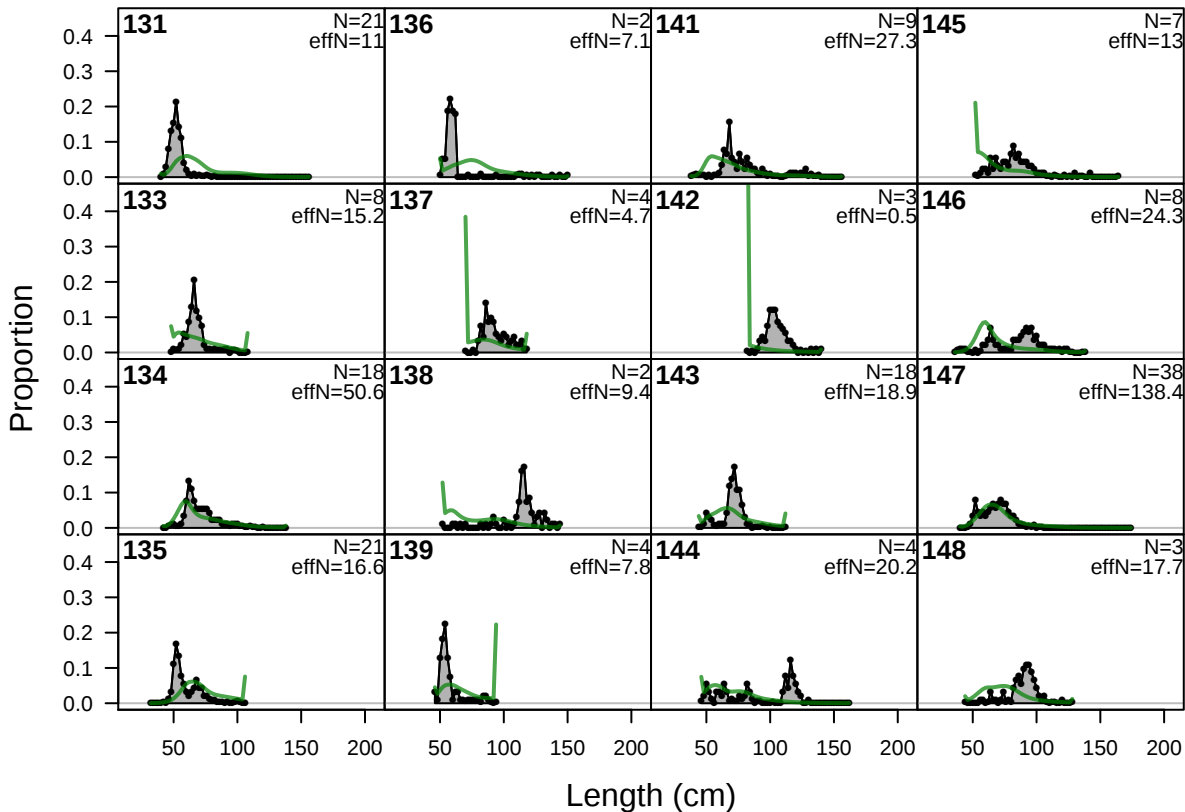
length comps, whole catch, F5-NOA_N



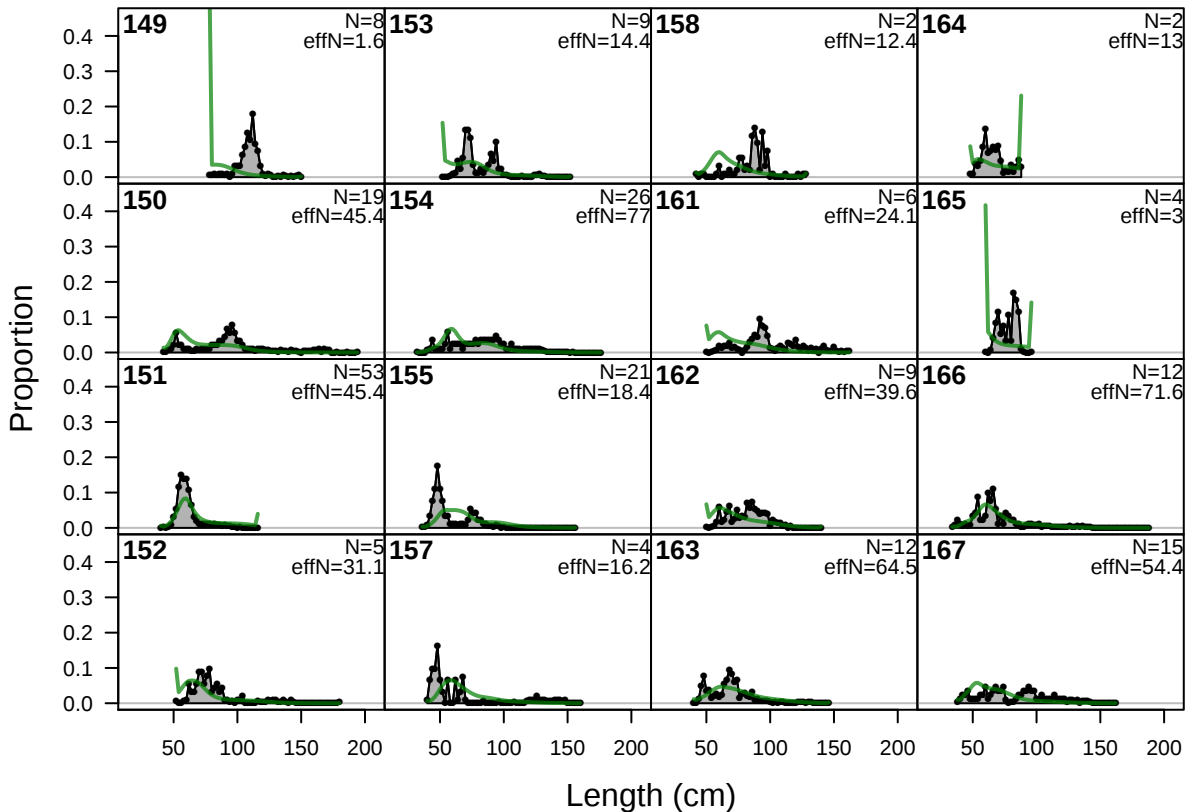
length comps, whole catch, F5-NOA_N



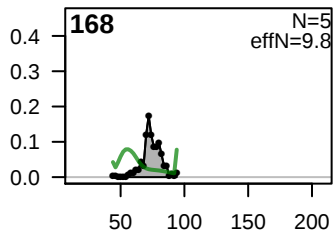
length comps, whole catch, F5-NOA_N



length comps, whole catch, F5-NOA_N



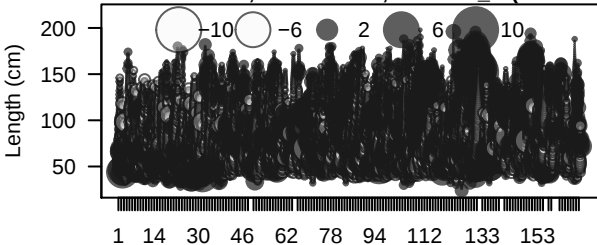
length comps, whole catch, F5-NOA_N



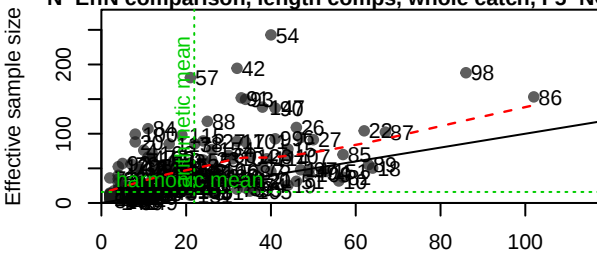
Proportion

Length (cm)

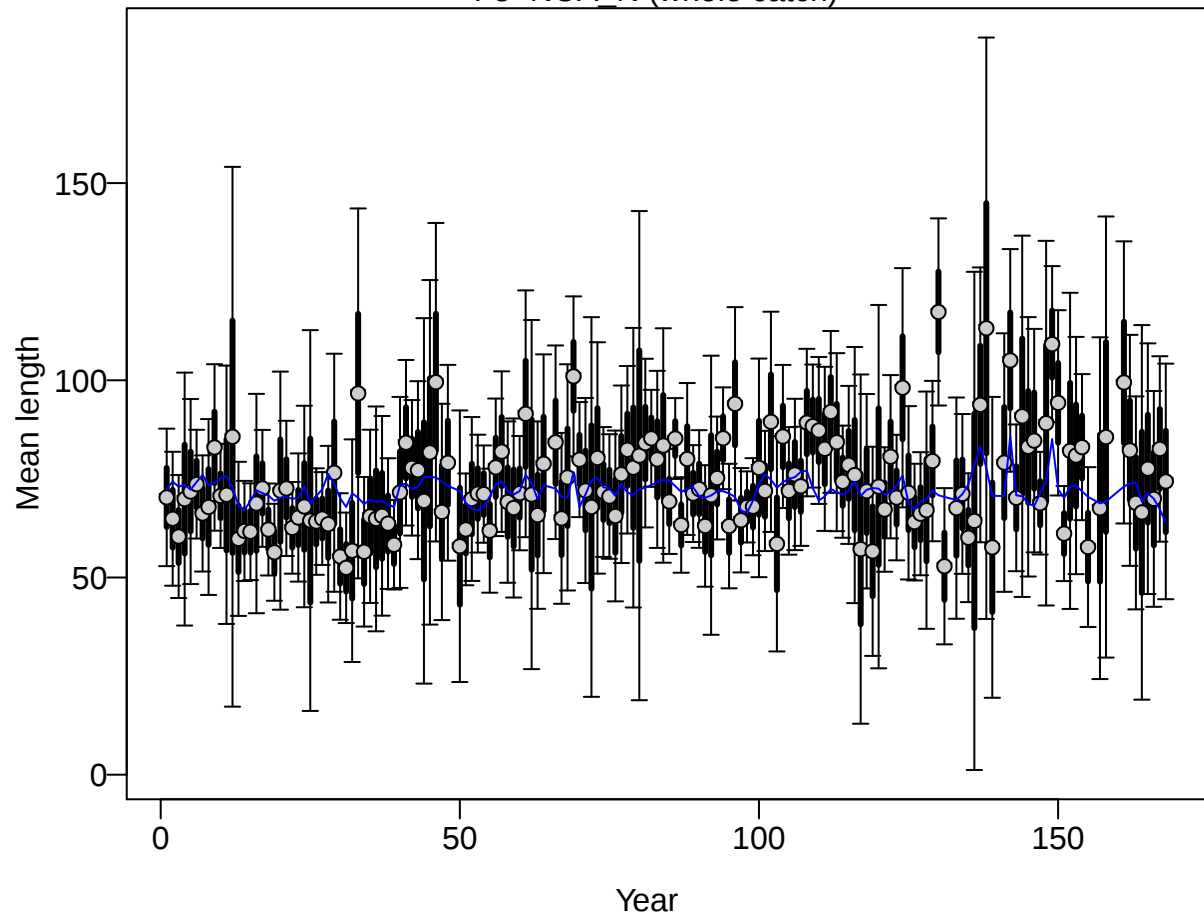
Pearson residuals, whole catch, F5-NOA N (max=10.12)



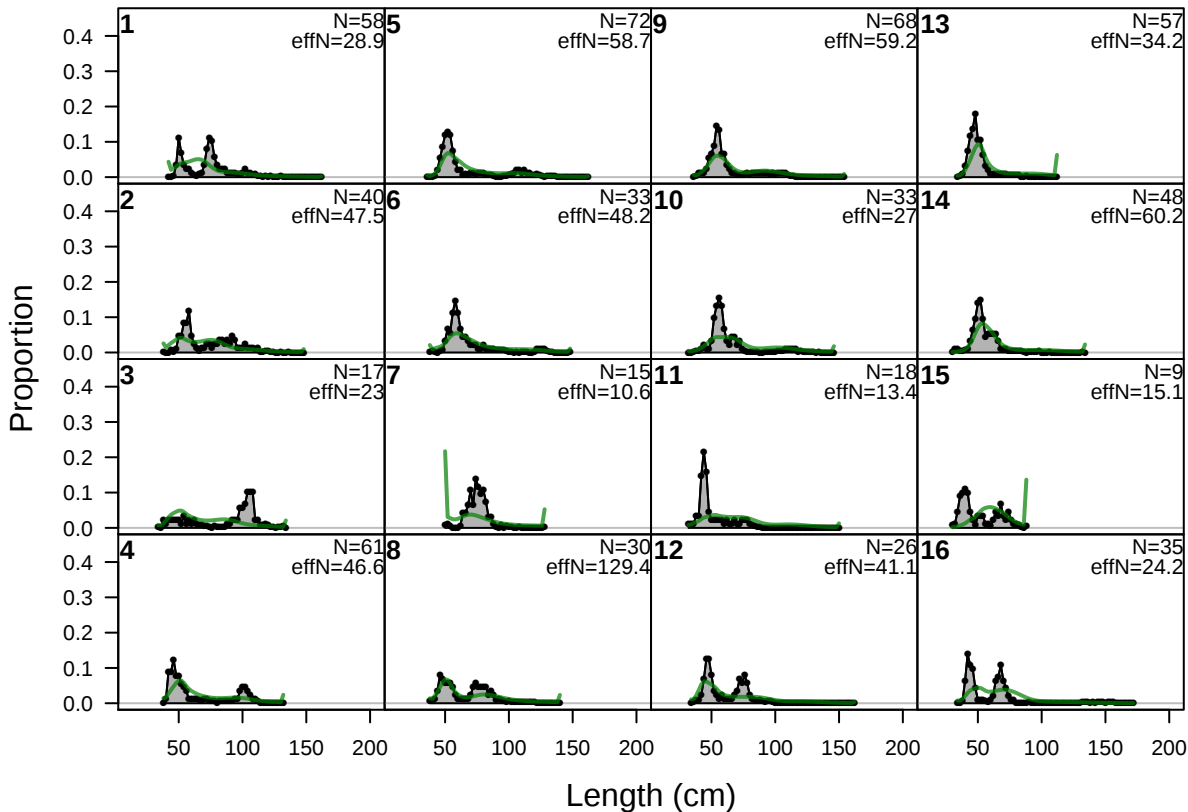
N-EffN comparison, length comps, whole catch, F5-NOA



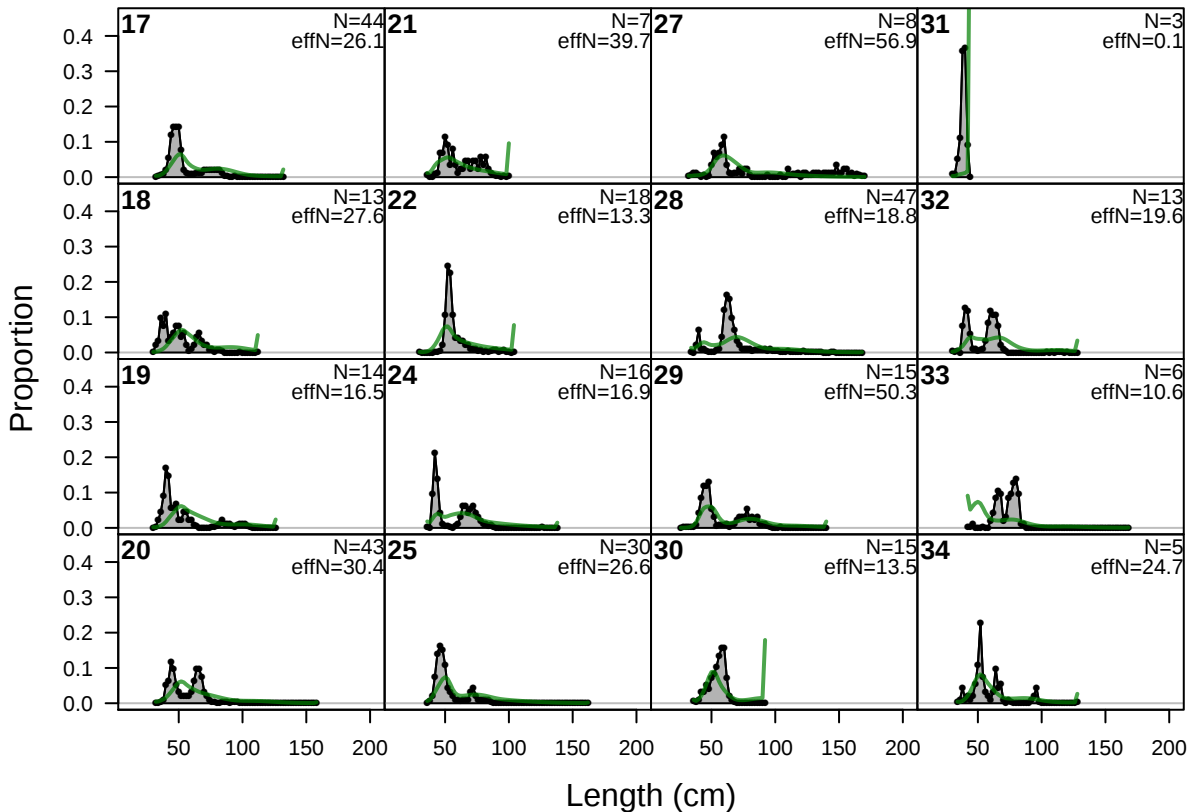
F5-NOA_N (whole catch)



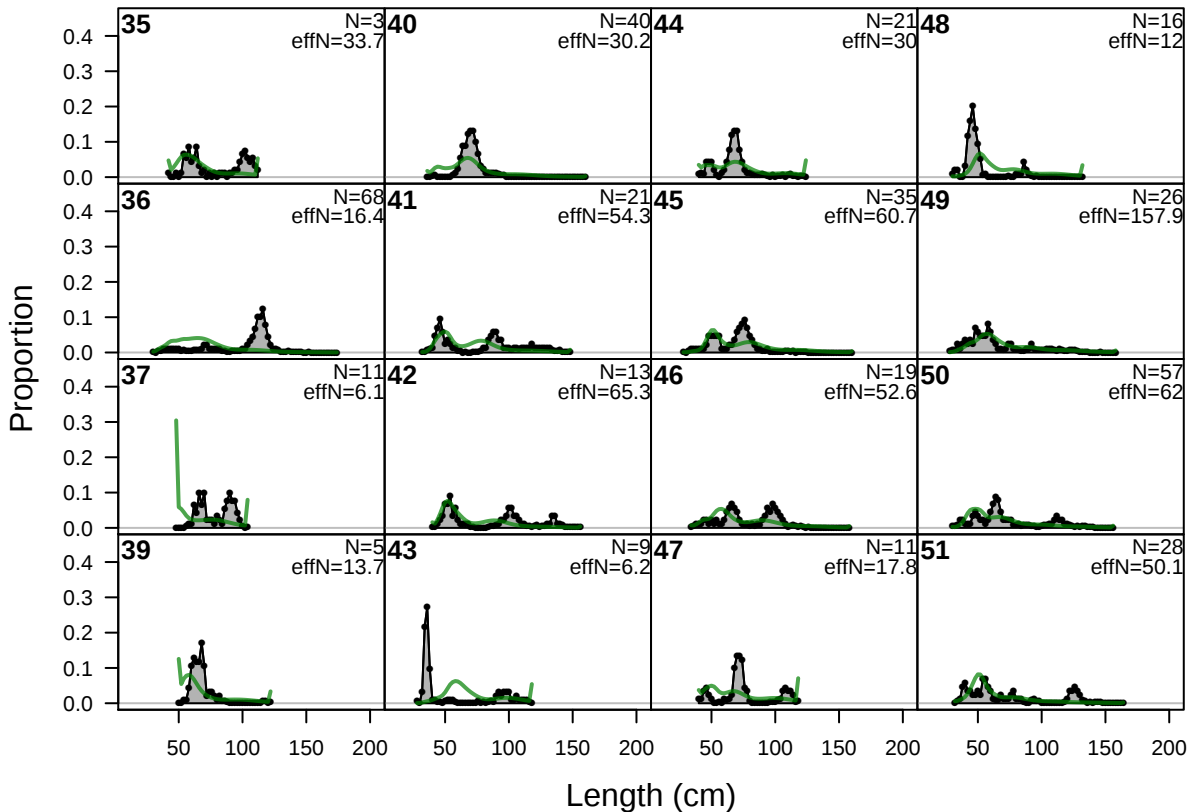
length comps, whole catch, F6-NOA_S



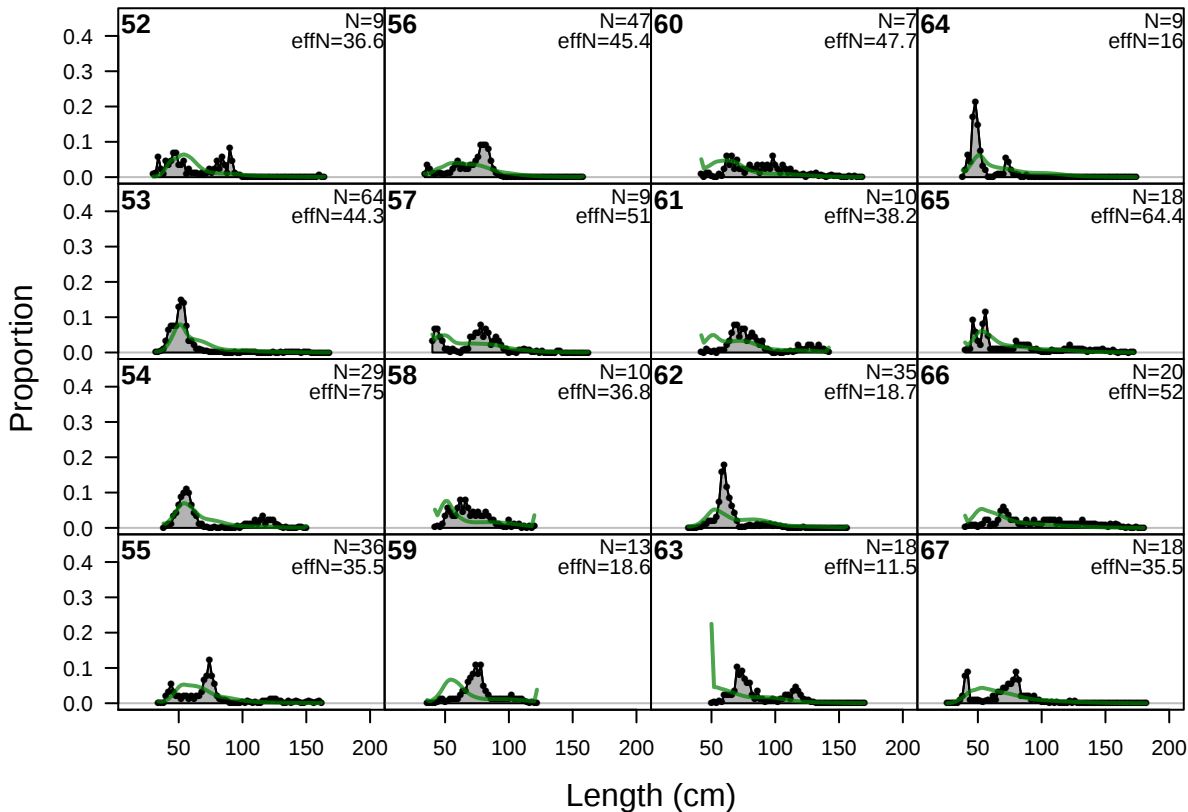
length comps, whole catch, F6-NOA_S



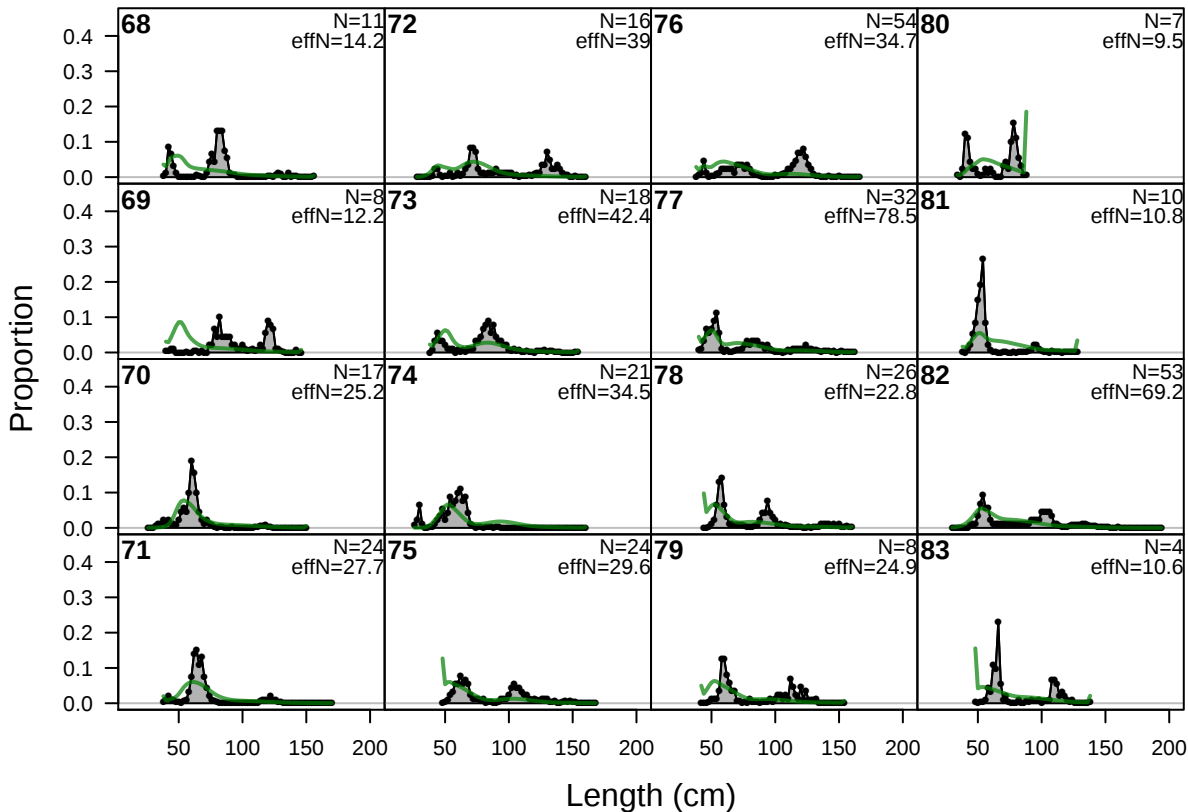
length comps, whole catch, F6-NOA_S



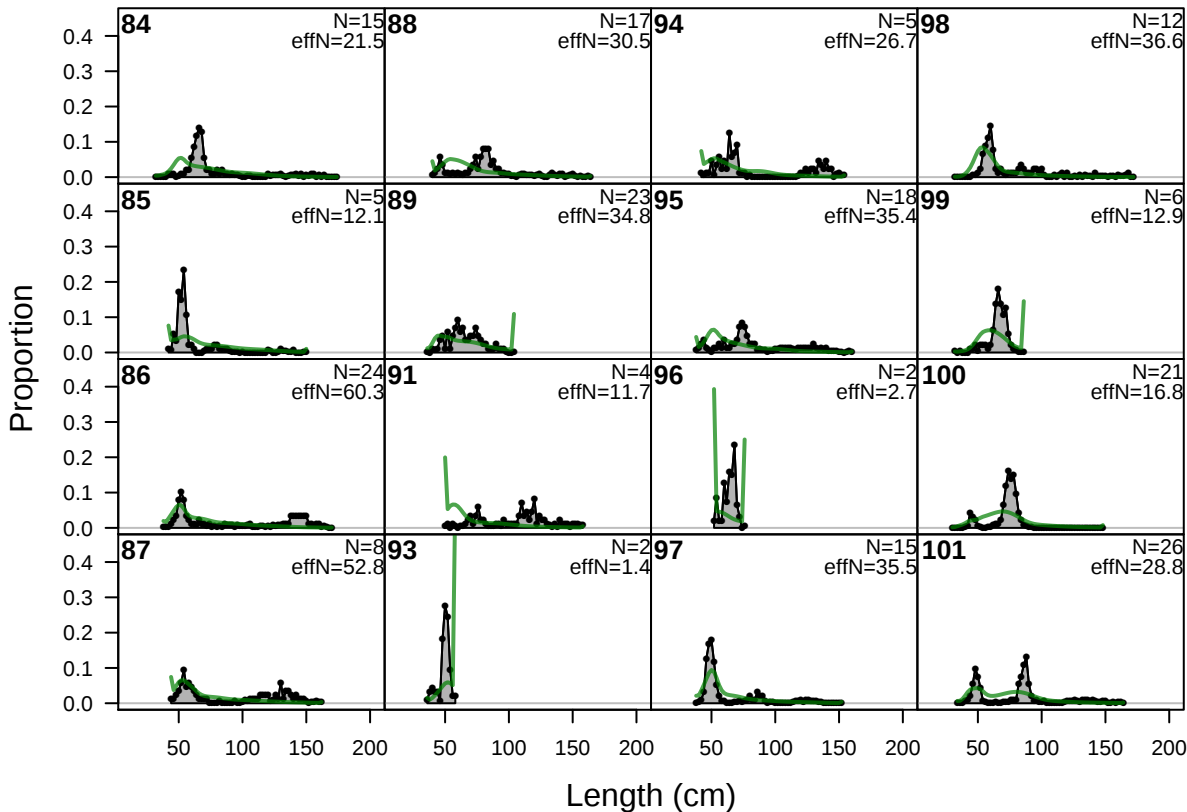
length comps, whole catch, F6-NOA_S



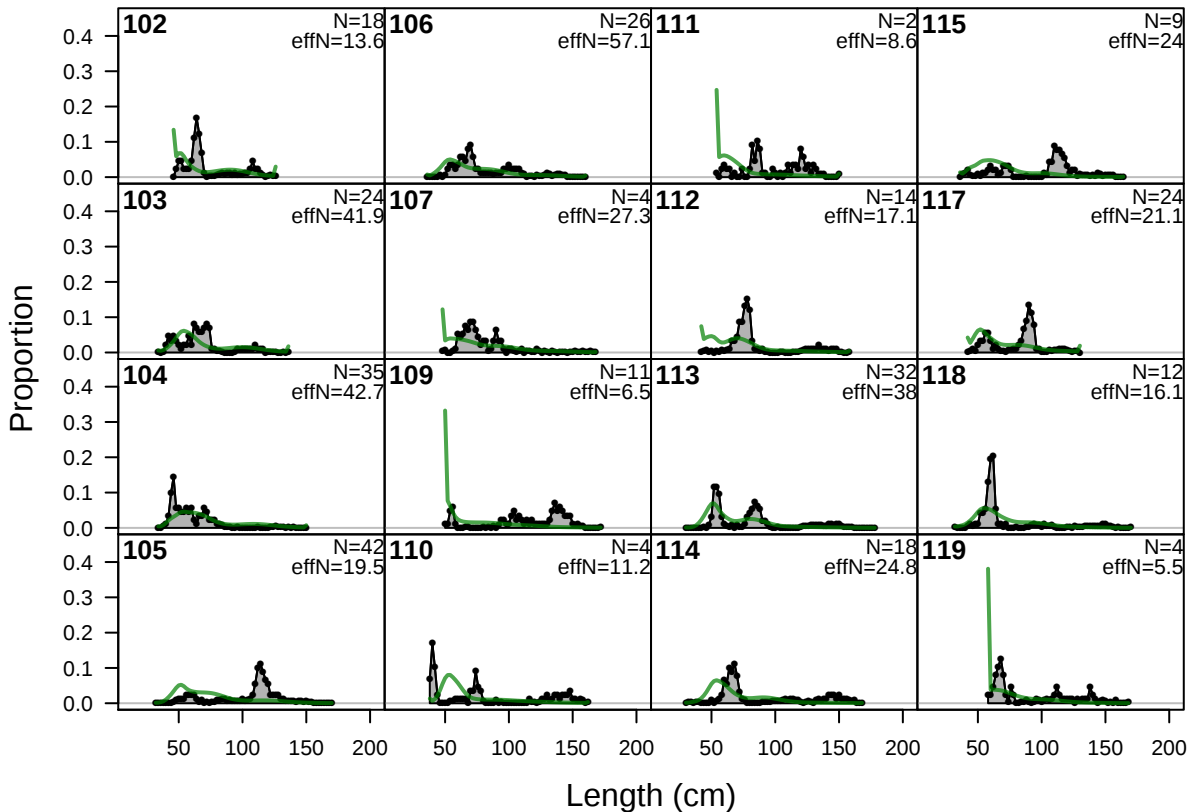
length comps, whole catch, F6-NOA_S



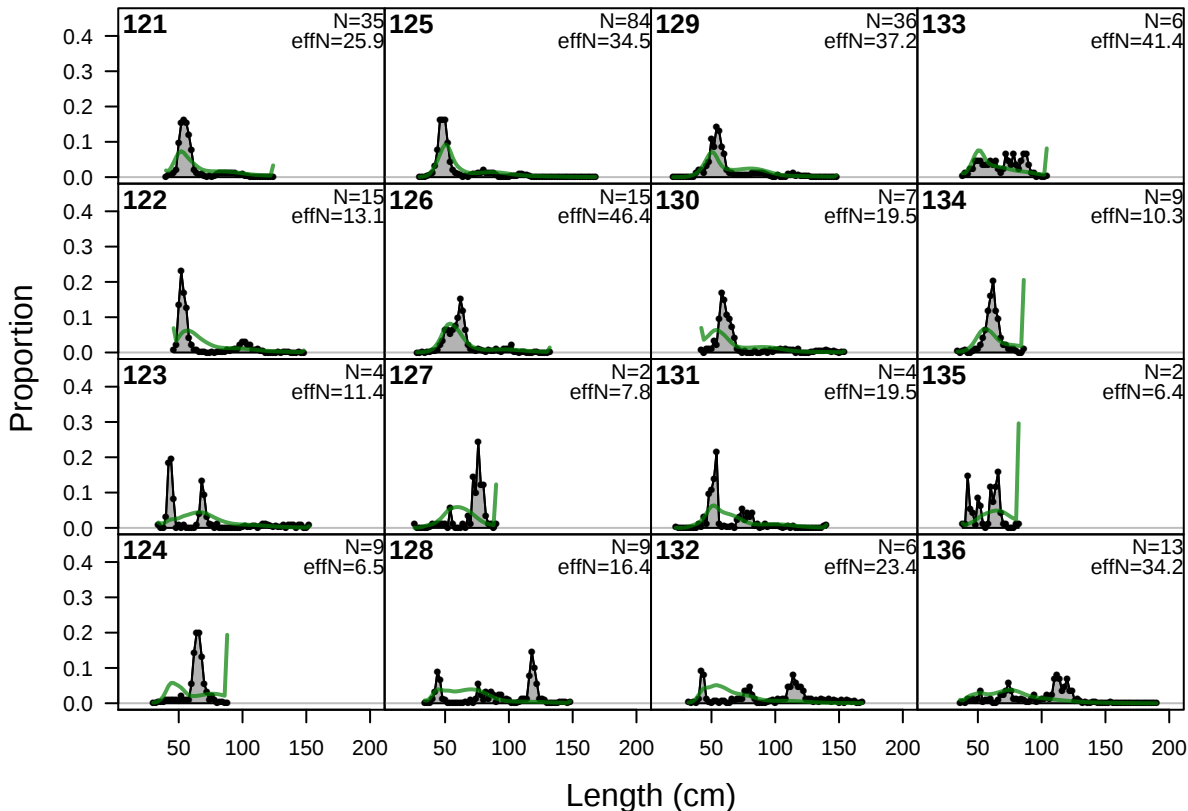
length comps, whole catch, F6-NOA_S



length comps, whole catch, F6-NOA_S

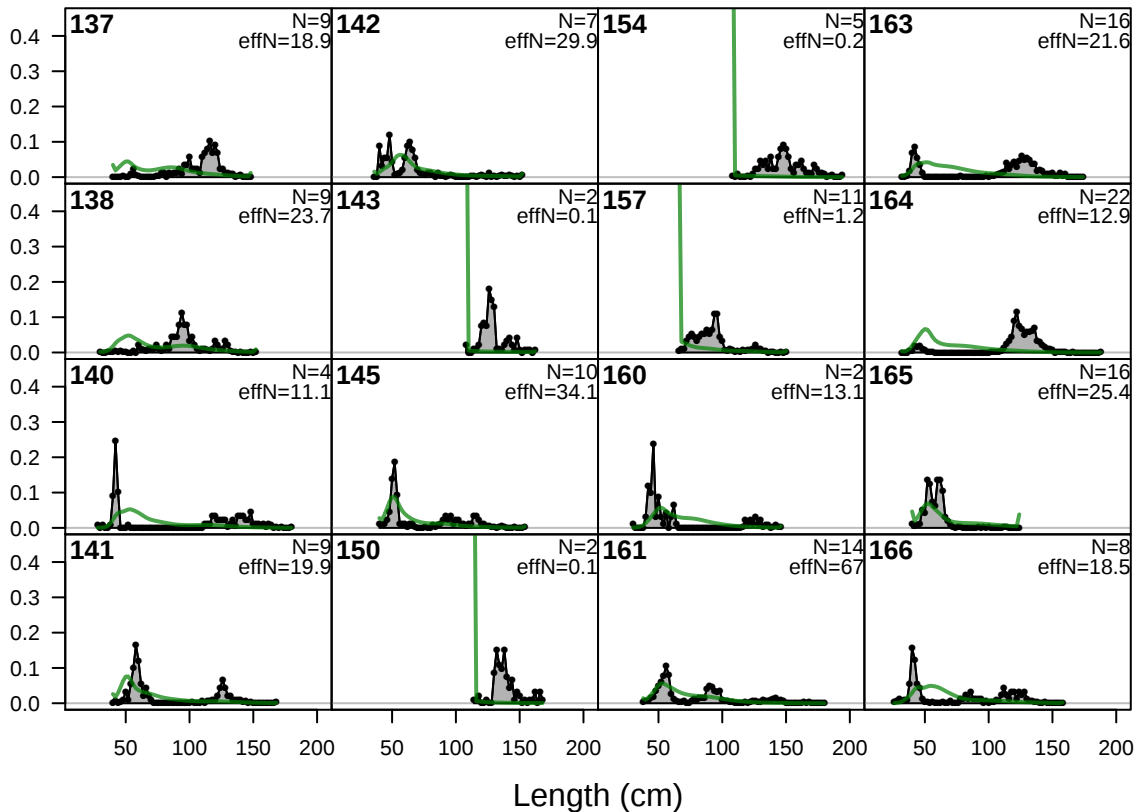


length comps, whole catch, F6-NOA_S

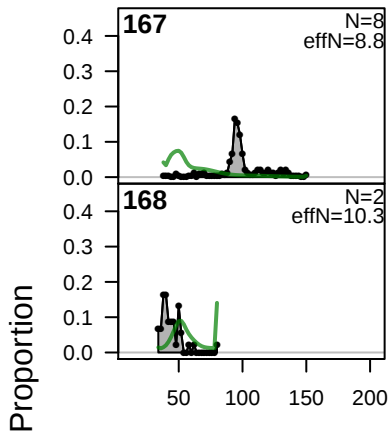


length comps, whole catch, F6-NOA_S

Proportion

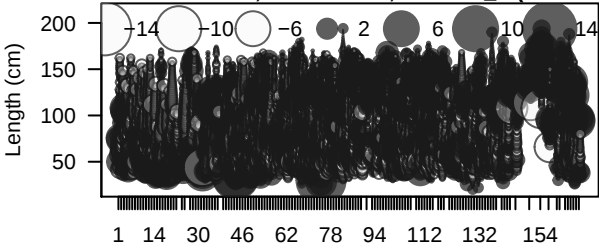


length comps, whole catch, F6-NOA_S

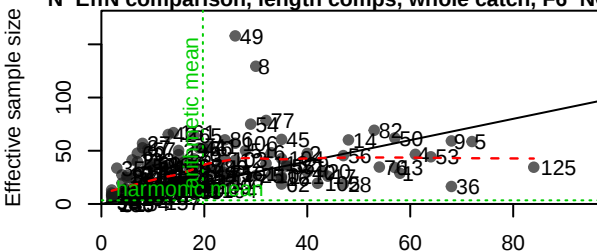


Length (cm)

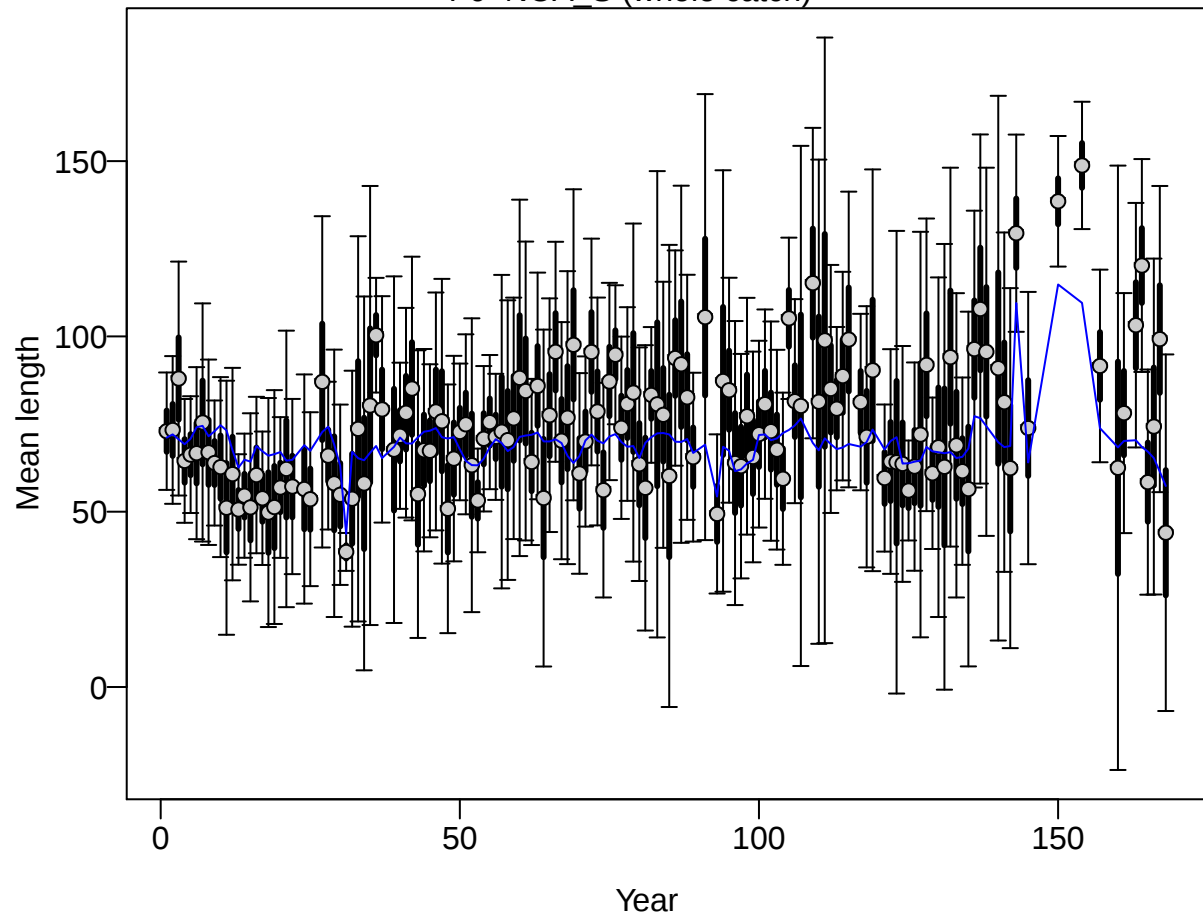
Pearson residuals, whole catch, F6-NOA_S (max=12.6)



N-EffN comparison, length comps, whole catch, F6-NOA

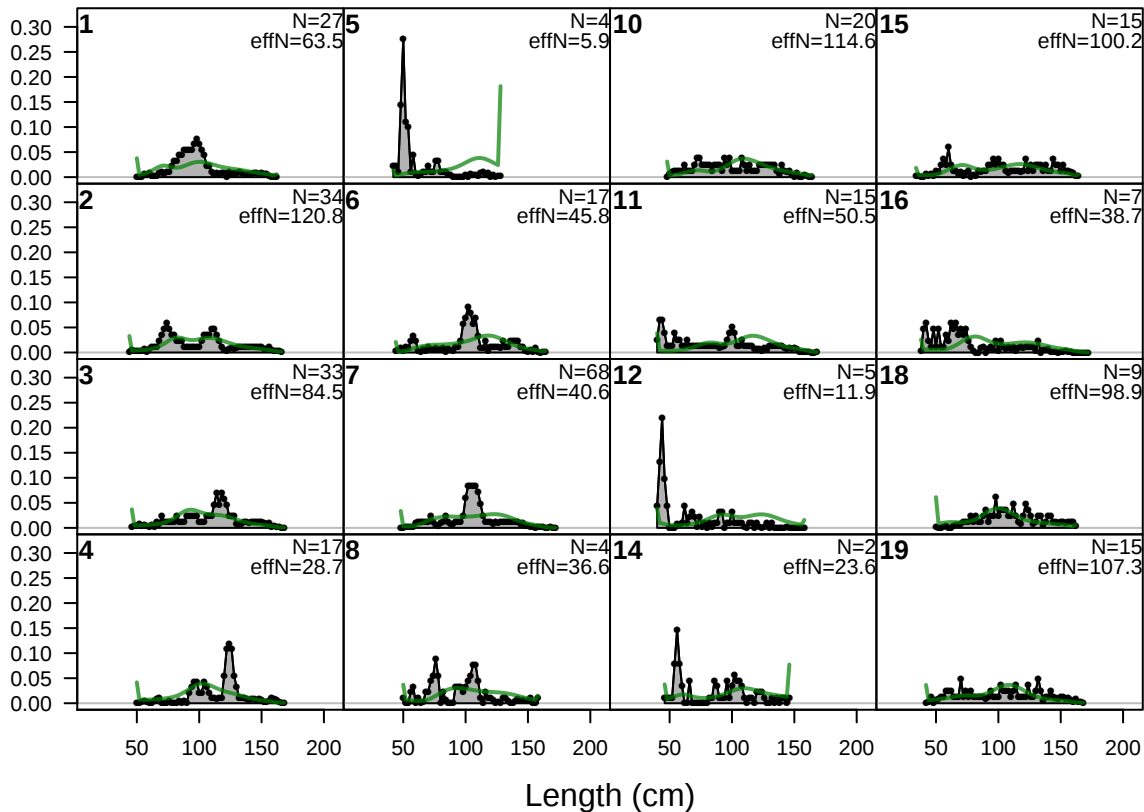


F6-NOA_S (whole catch)



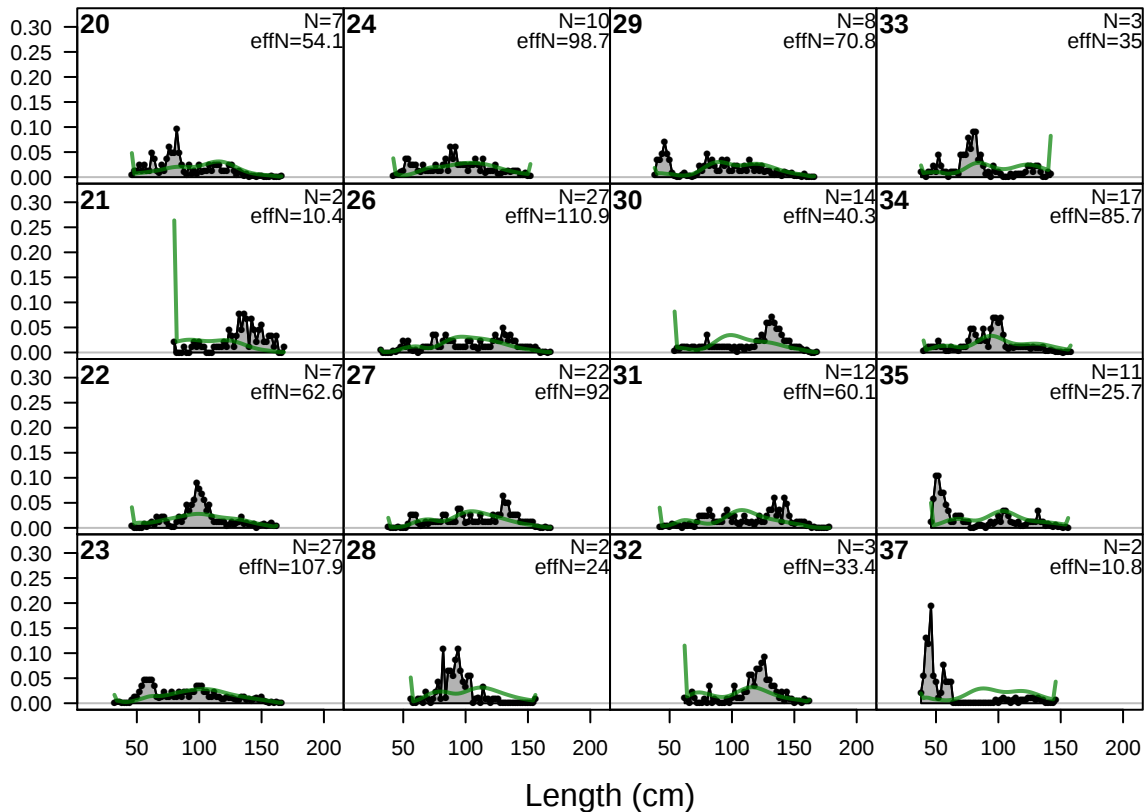
length comps, whole catch, F7-DEL_N

Proportion



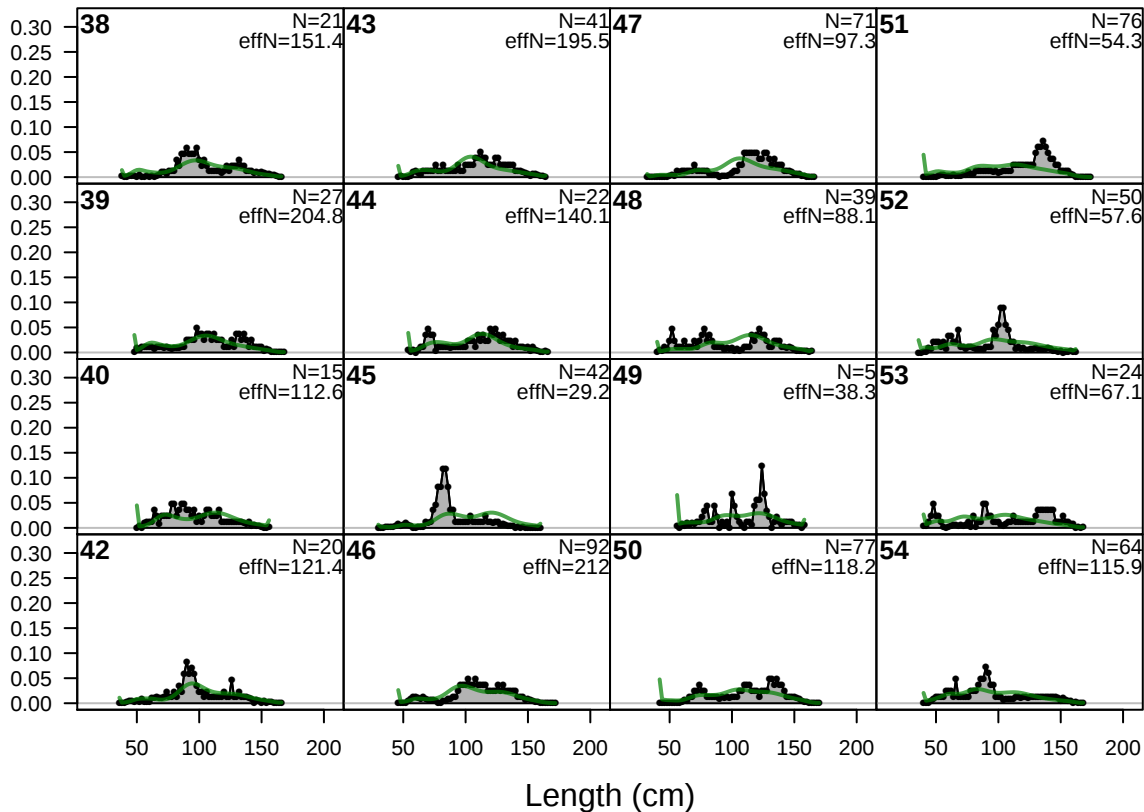
length comps, whole catch, F7-DEL_N

Proportion



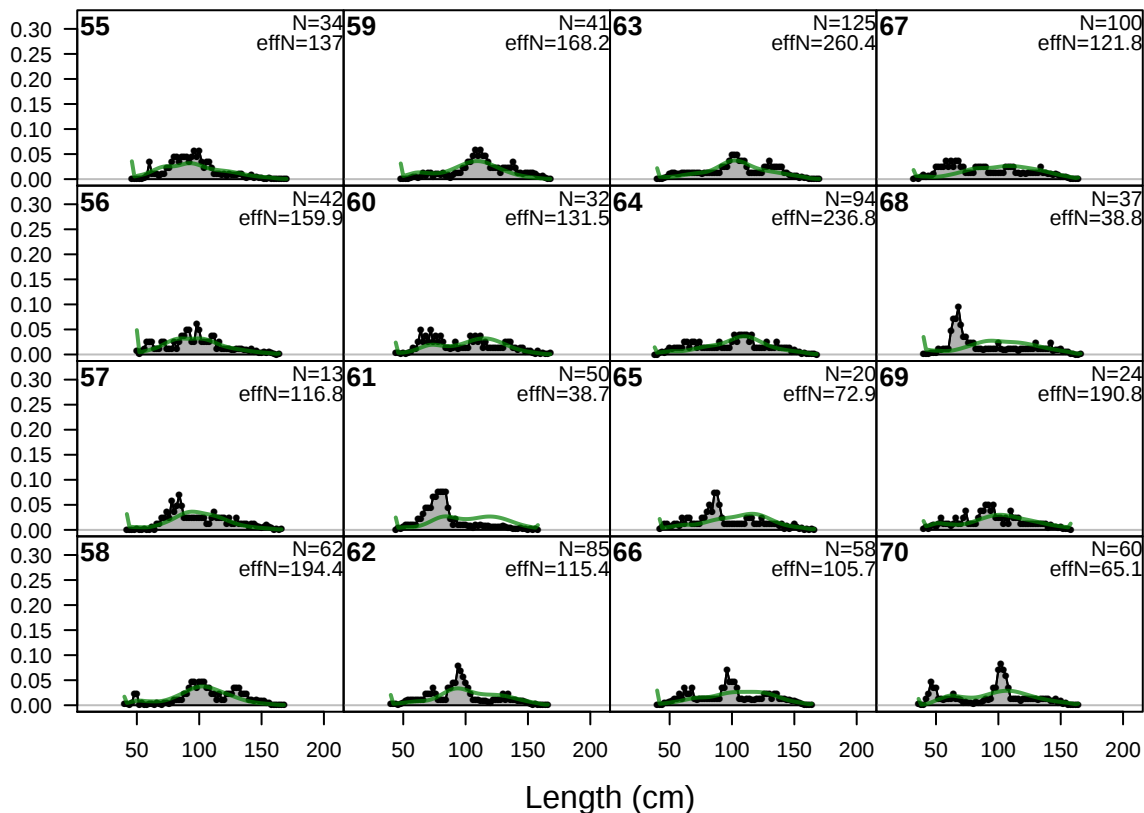
length comps, whole catch, F7-DEL_N

Proportion



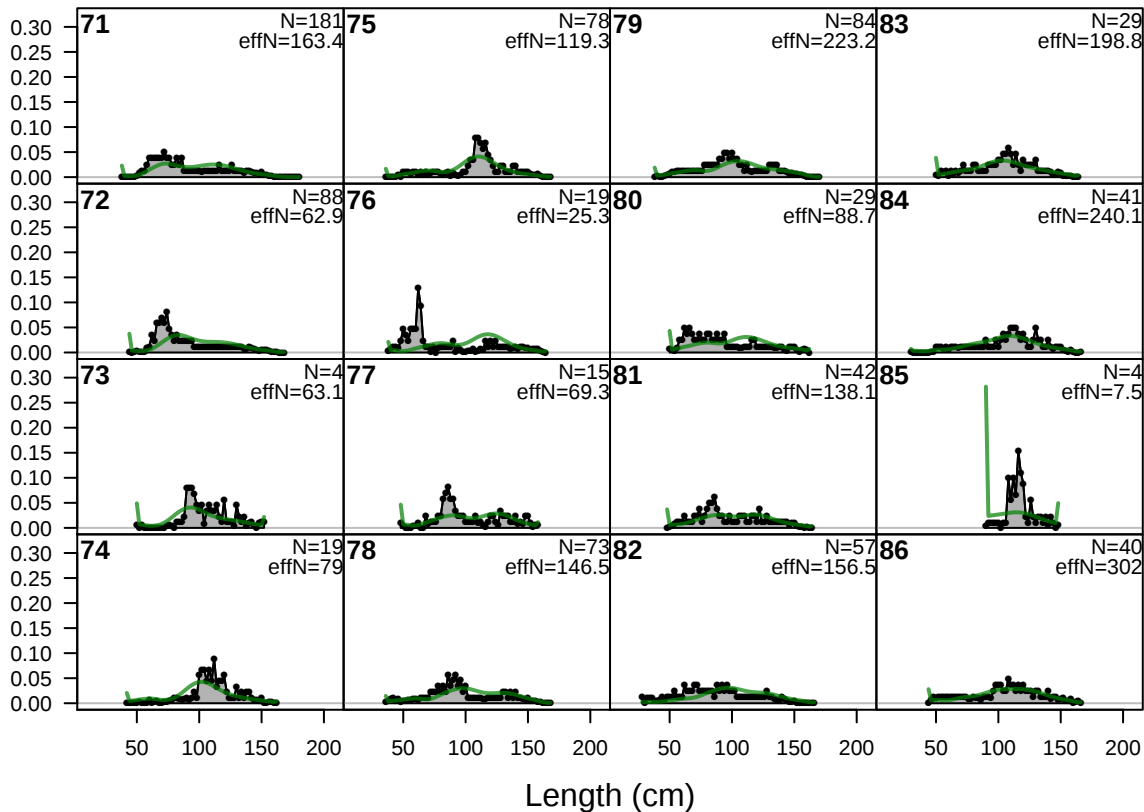
length comps, whole catch, F7-DEL_N

Proportion



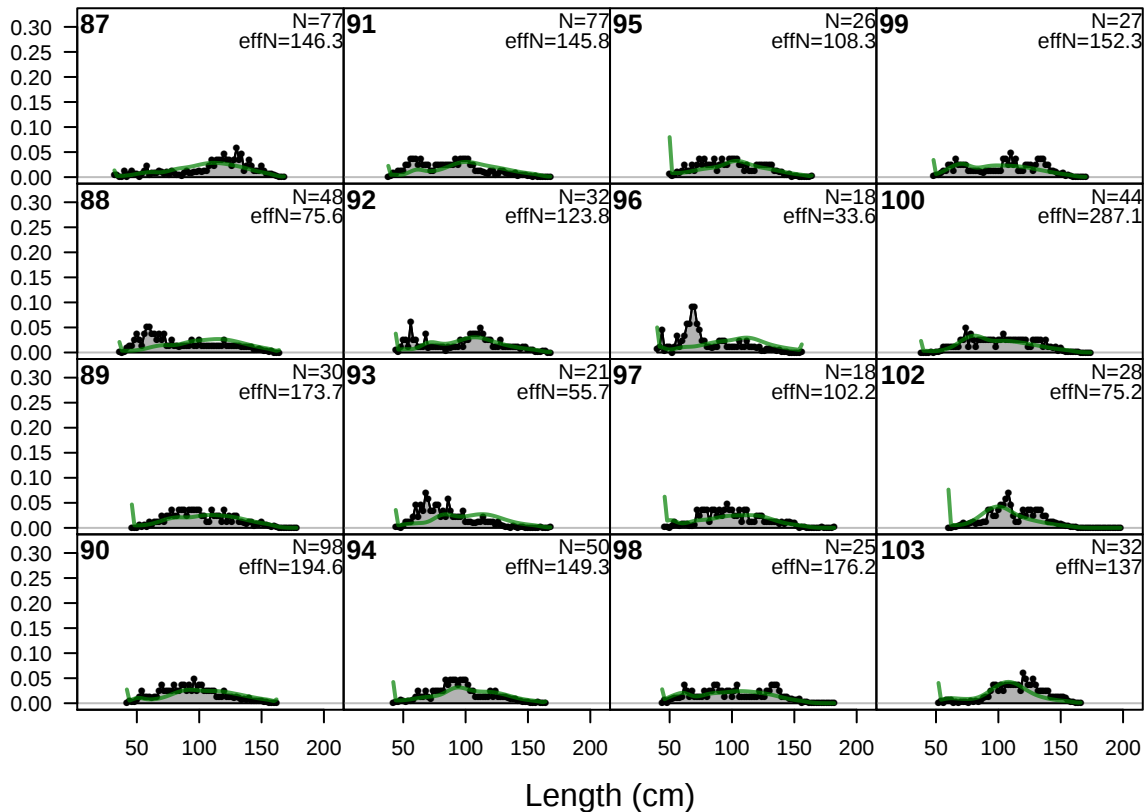
length comps, whole catch, F7-DEL_N

Proportion



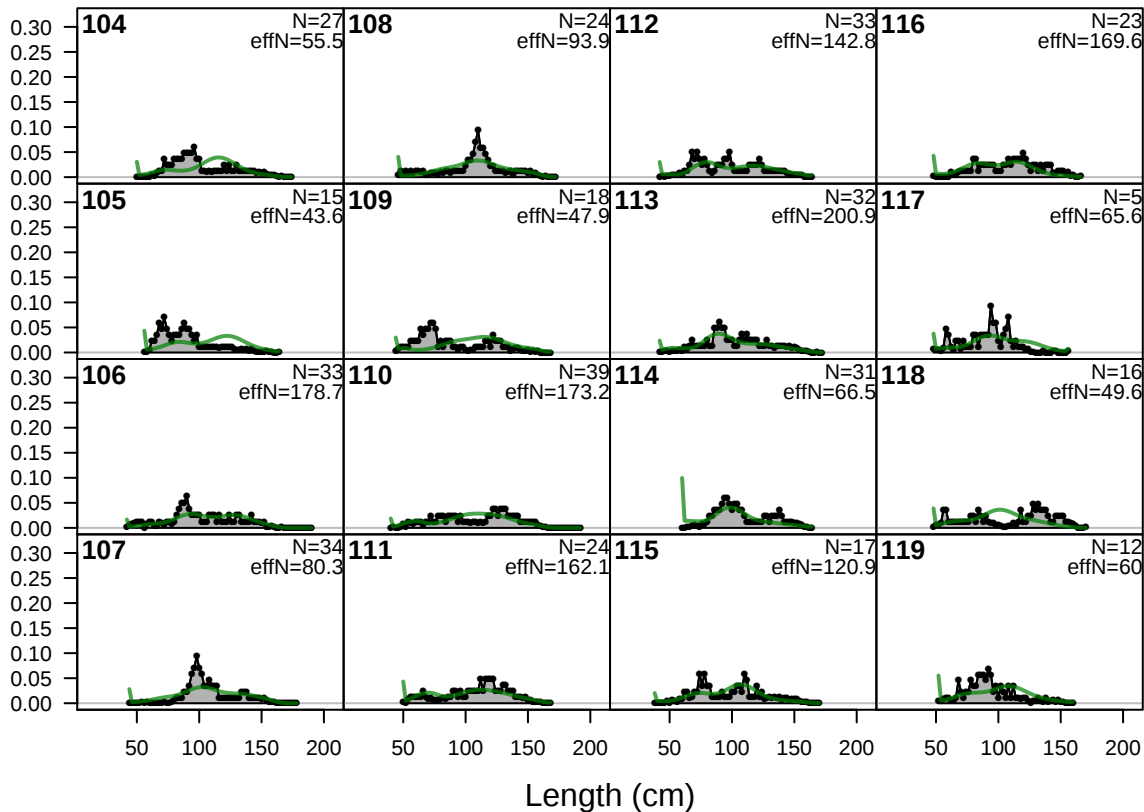
length comps, whole catch, F7-DEL_N

Proportion



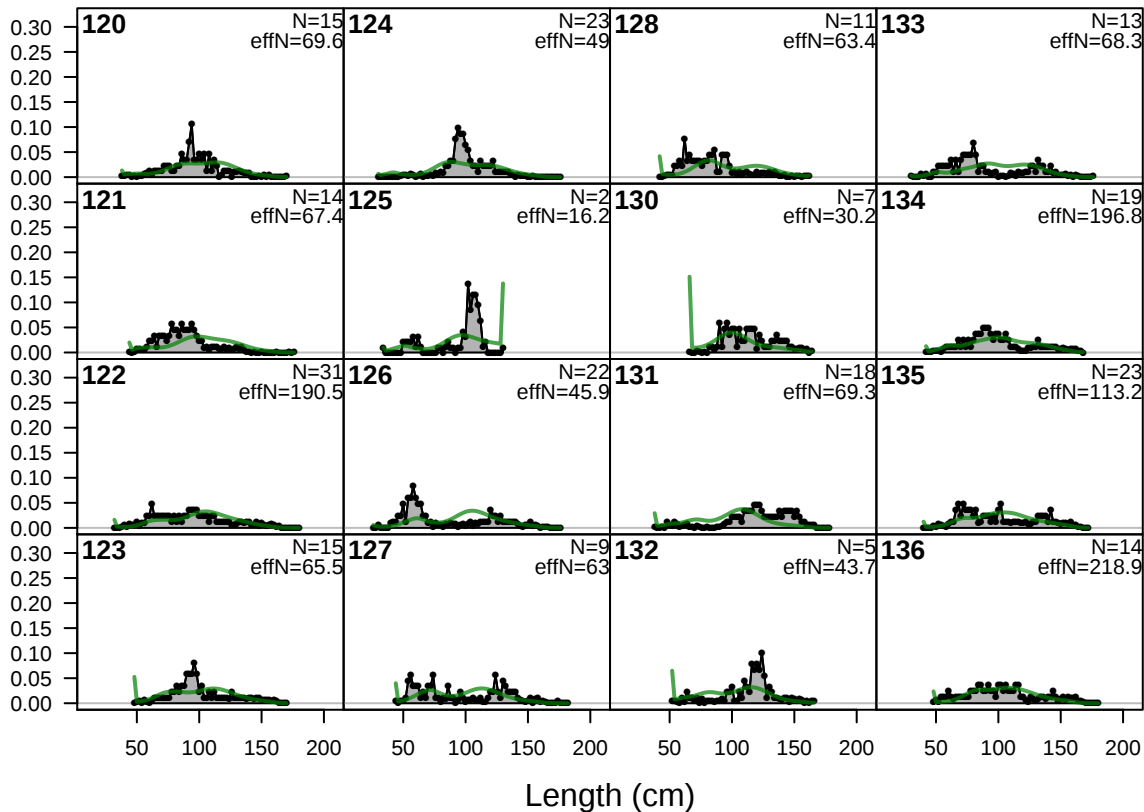
length comps, whole catch, F7-DEL_N

Proportion



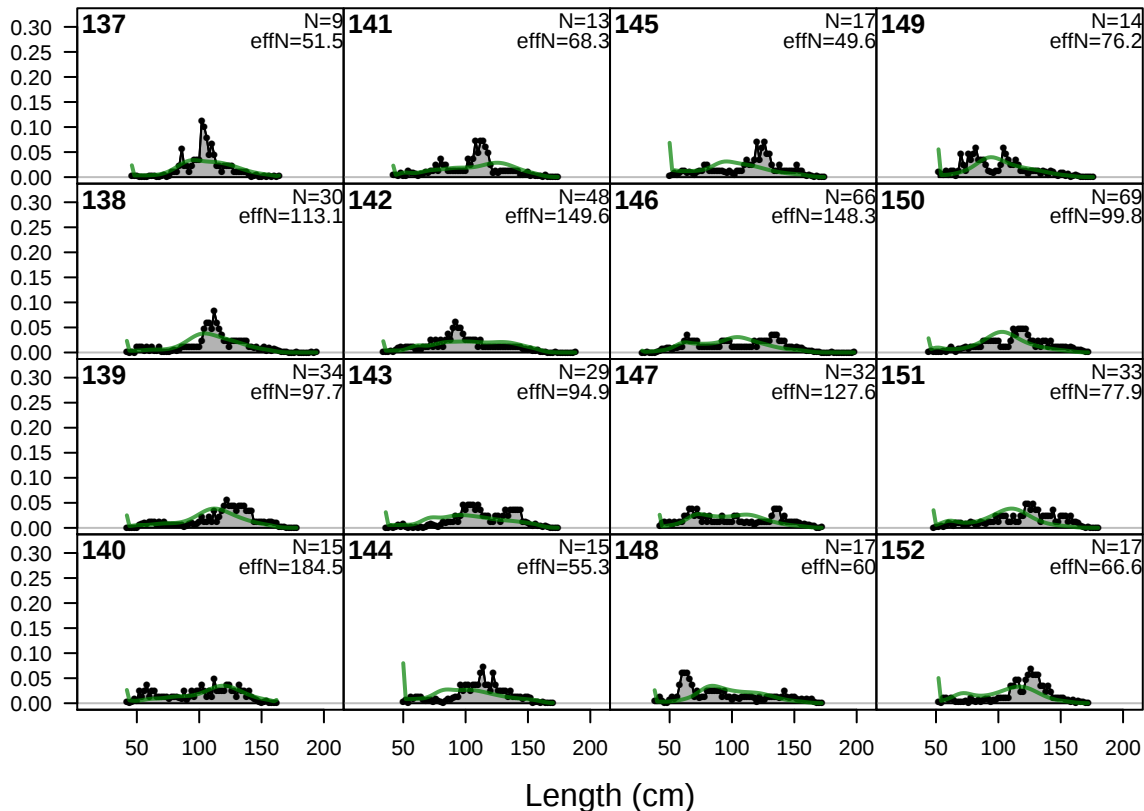
length comps, whole catch, F7-DEL_N

Proportion



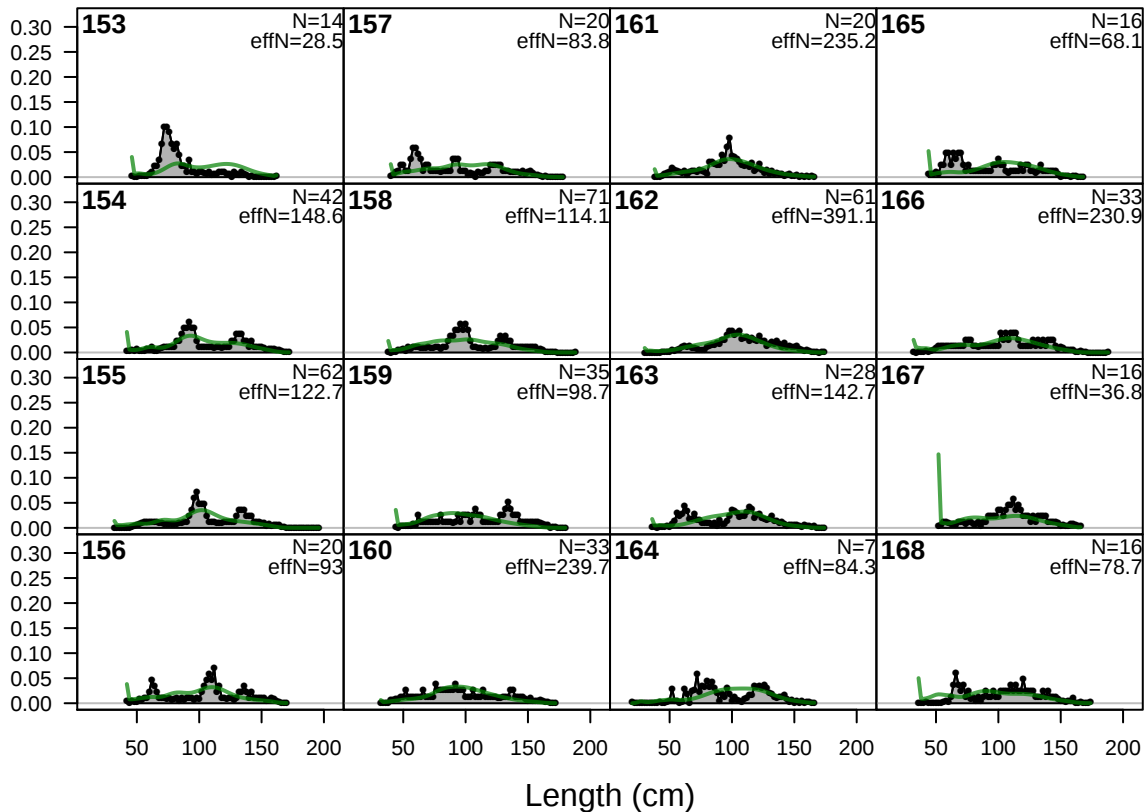
length comps, whole catch, F7-DEL_N

Proportion

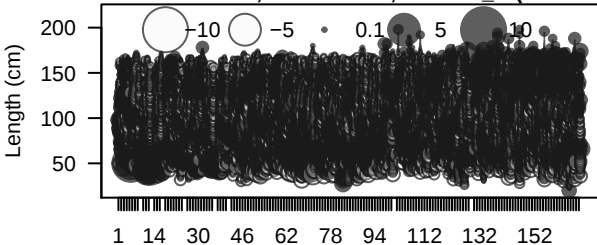


length comps, whole catch, F7-DEL_N

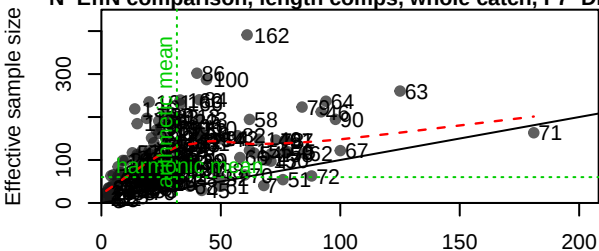
Proportion



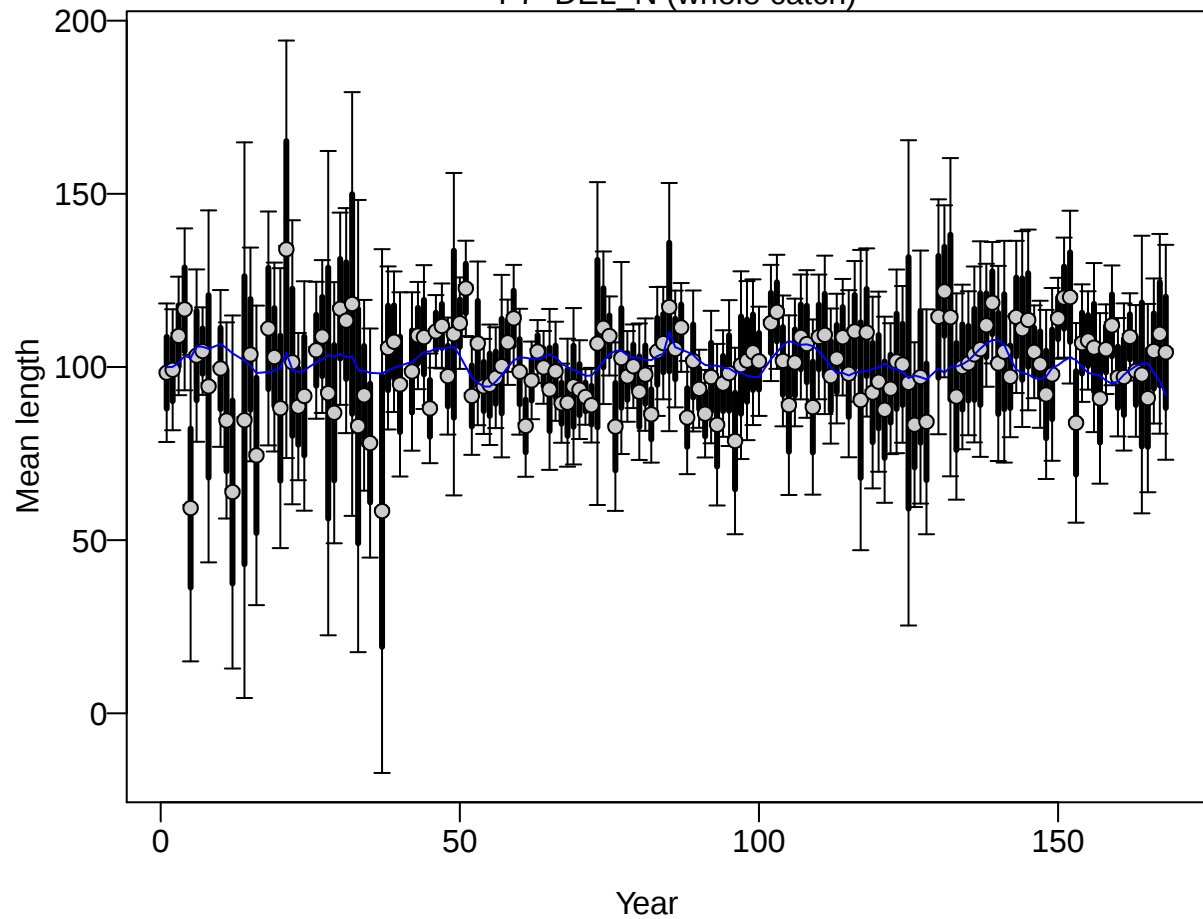
Pearson residuals, whole catch, F7-DEL_N (max=6.73)



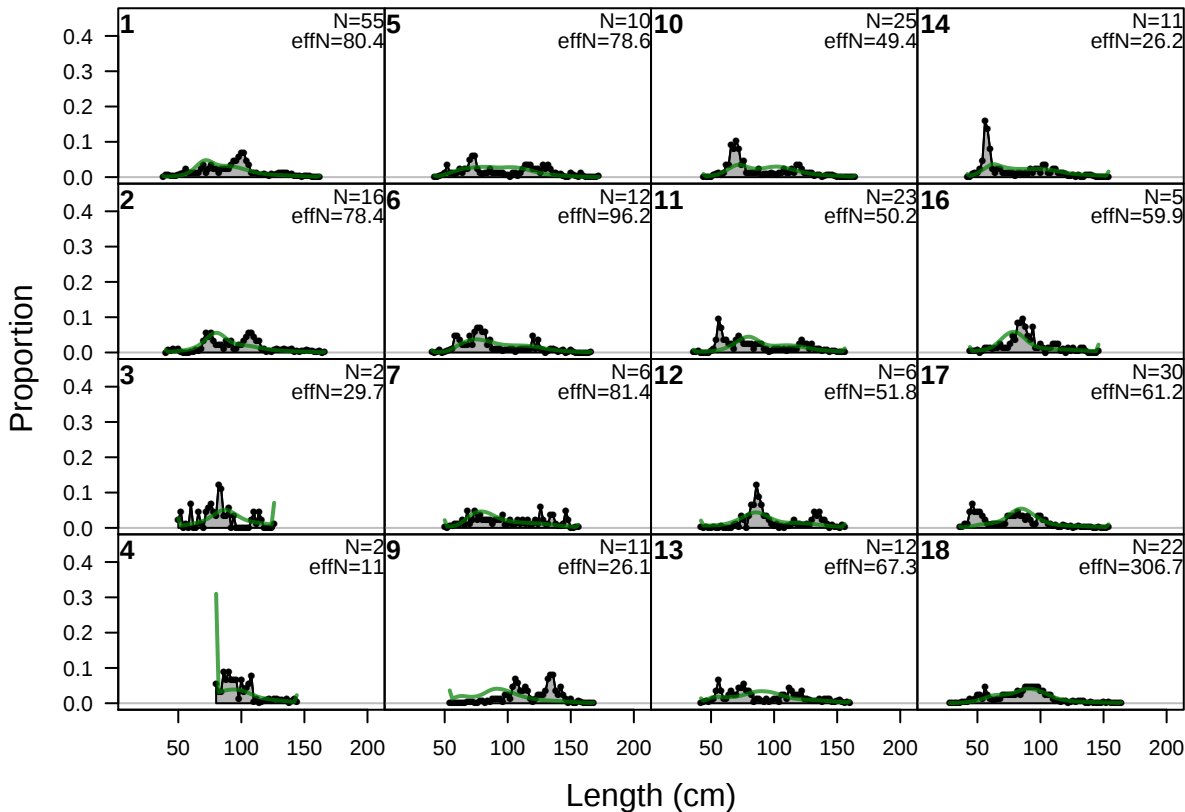
N-EffN comparison, length comps, whole catch, F7-DEL



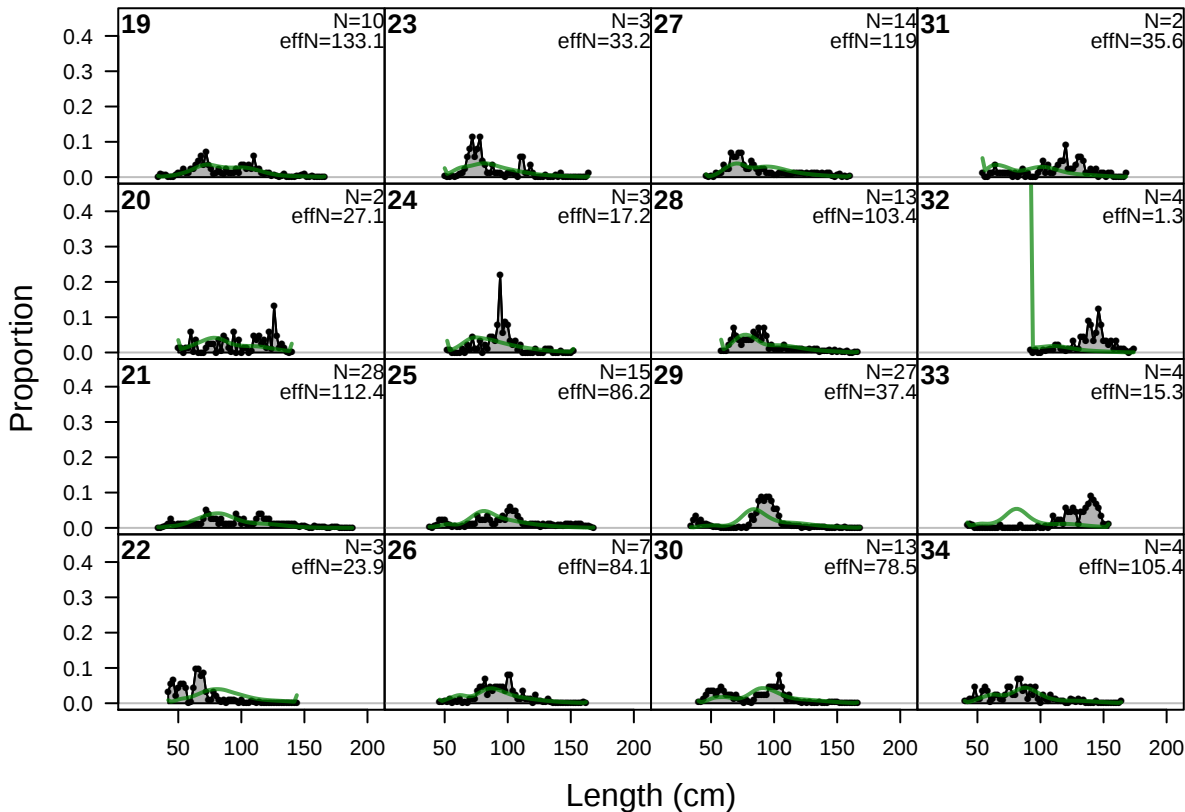
F7-DEL_N (whole catch)



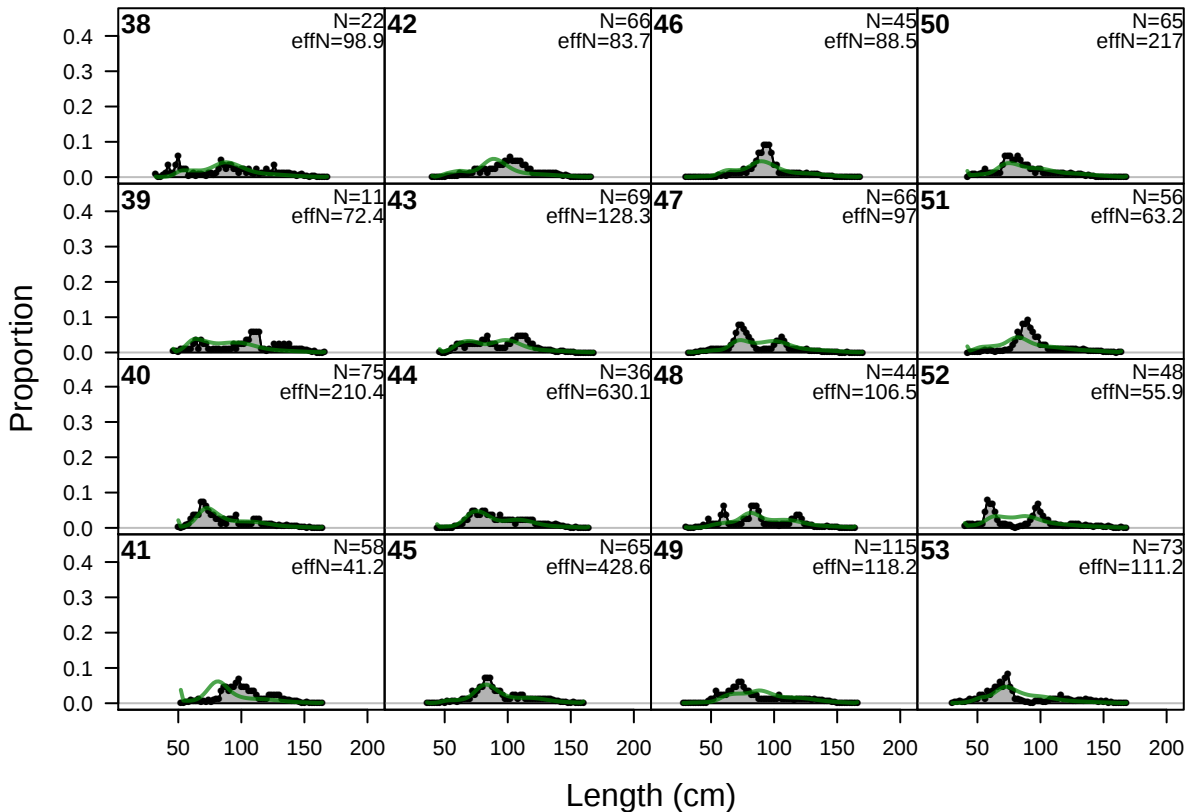
length comps, whole catch, F8-DEL_I



length comps, whole catch, F8-DEL_I

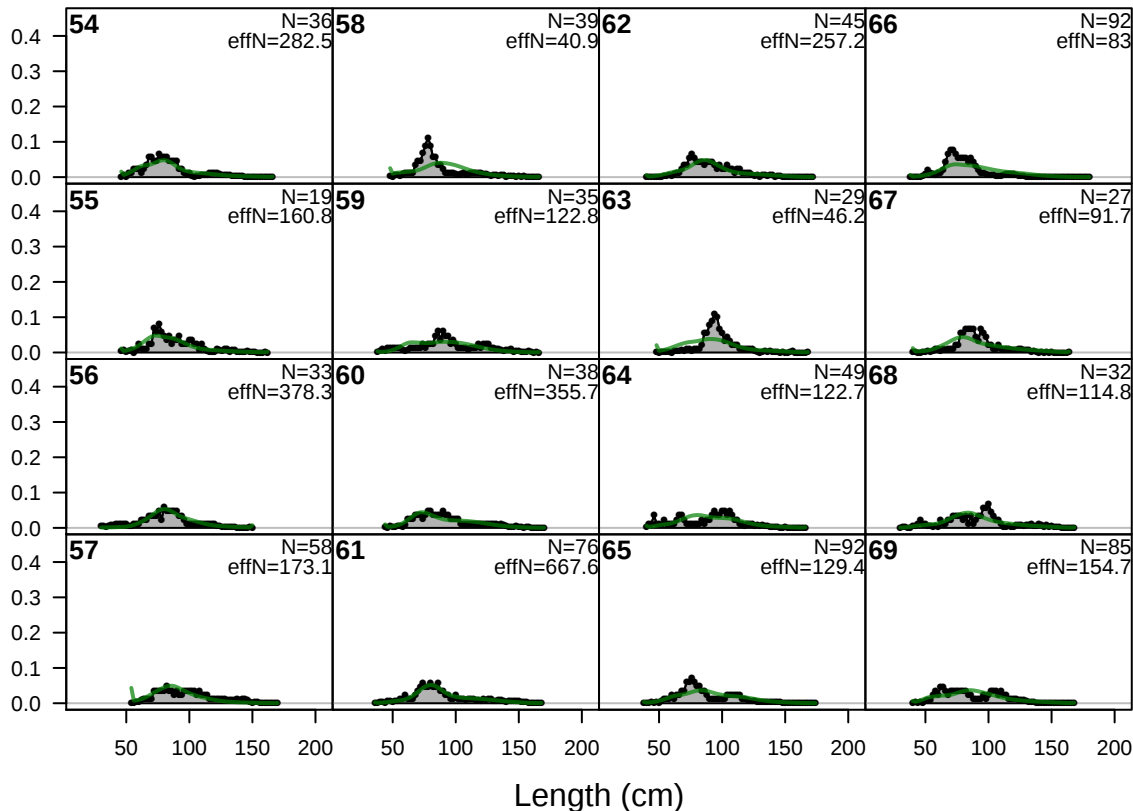


length comps, whole catch, F8-DEL_I

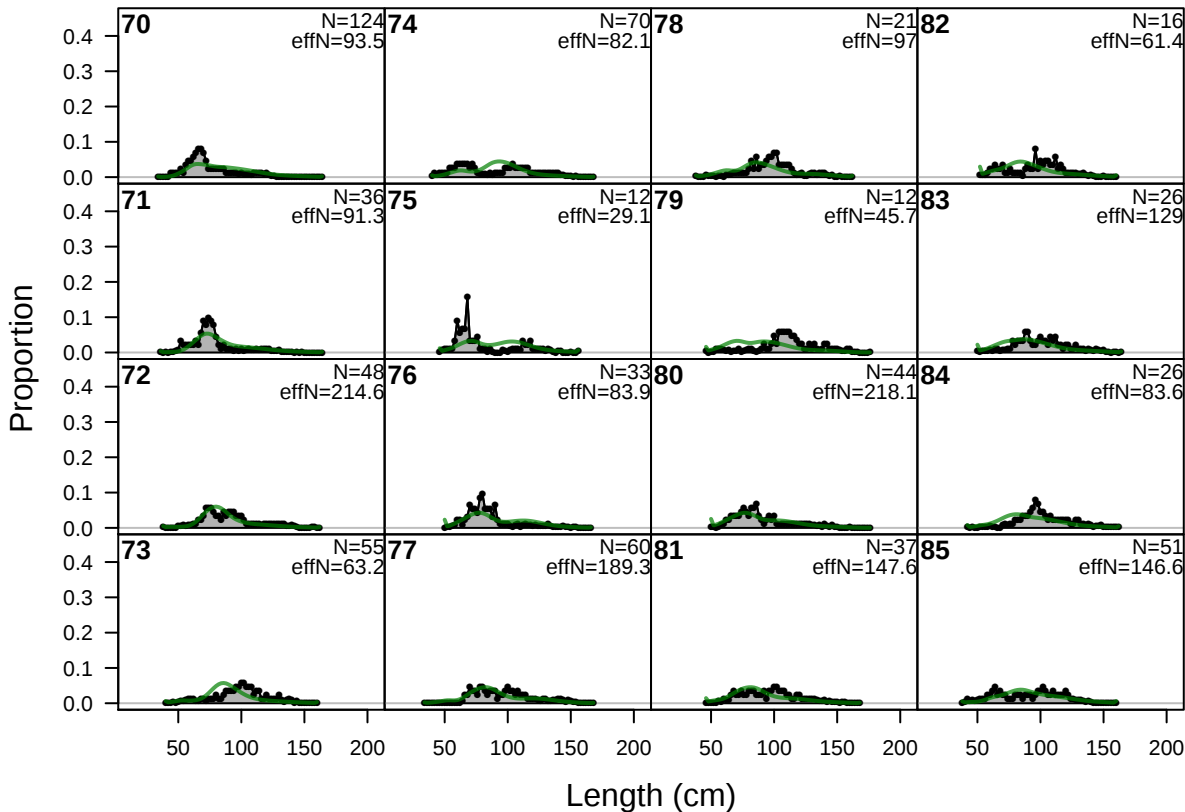


length comps, whole catch, F8-DEL_I

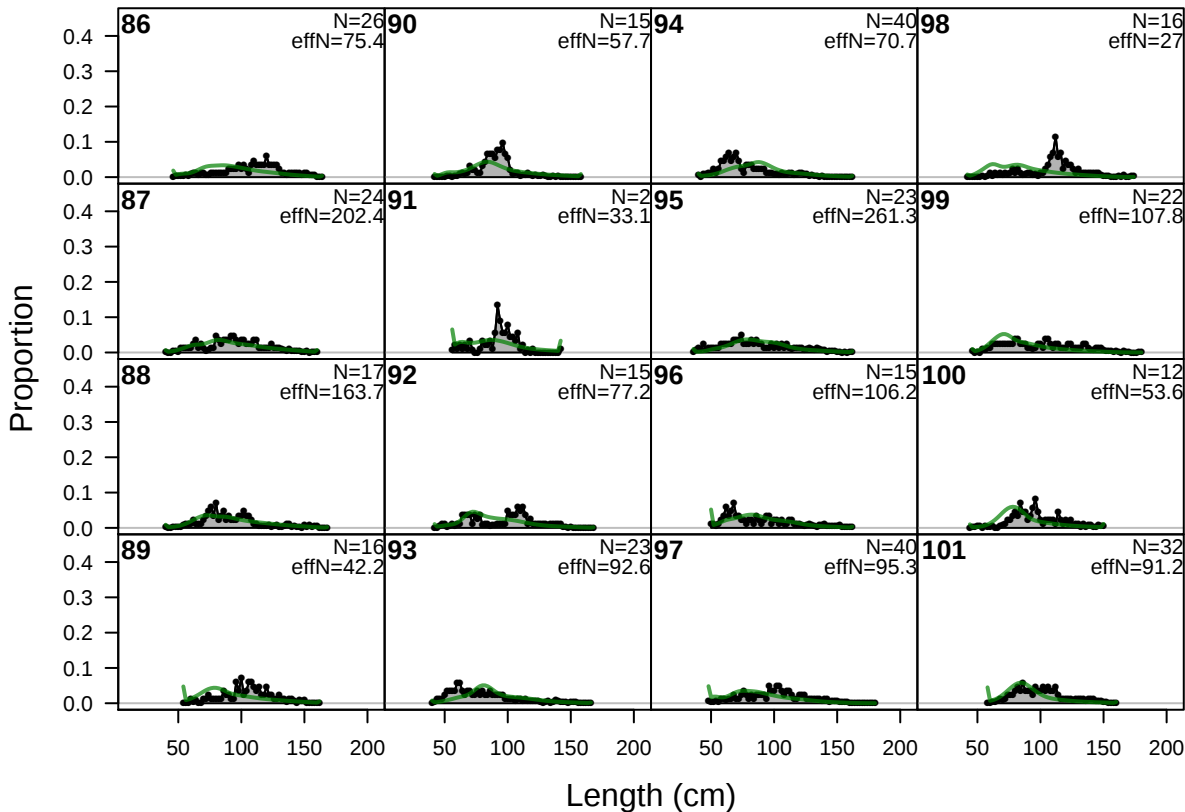
Proportion



length comps, whole catch, F8-DEL_I

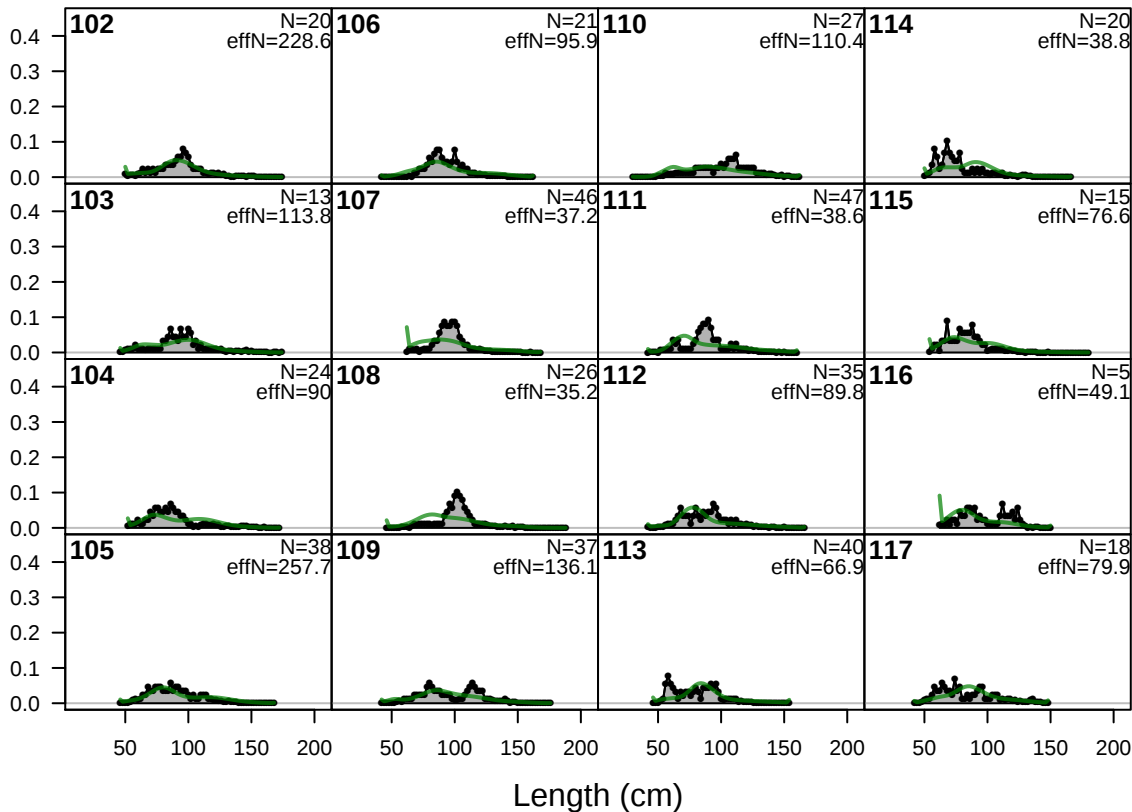


length comps, whole catch, F8-DEL_I

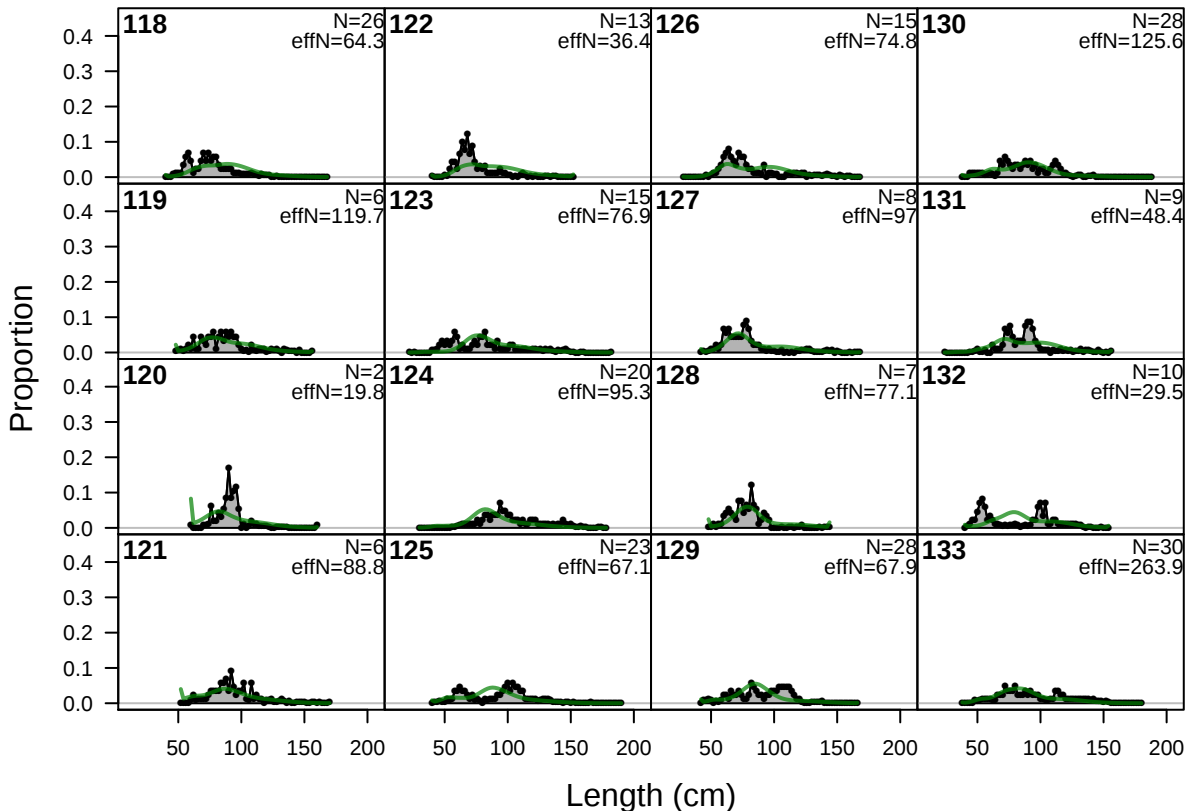


length comps, whole catch, F8-DEL_I

Proportion

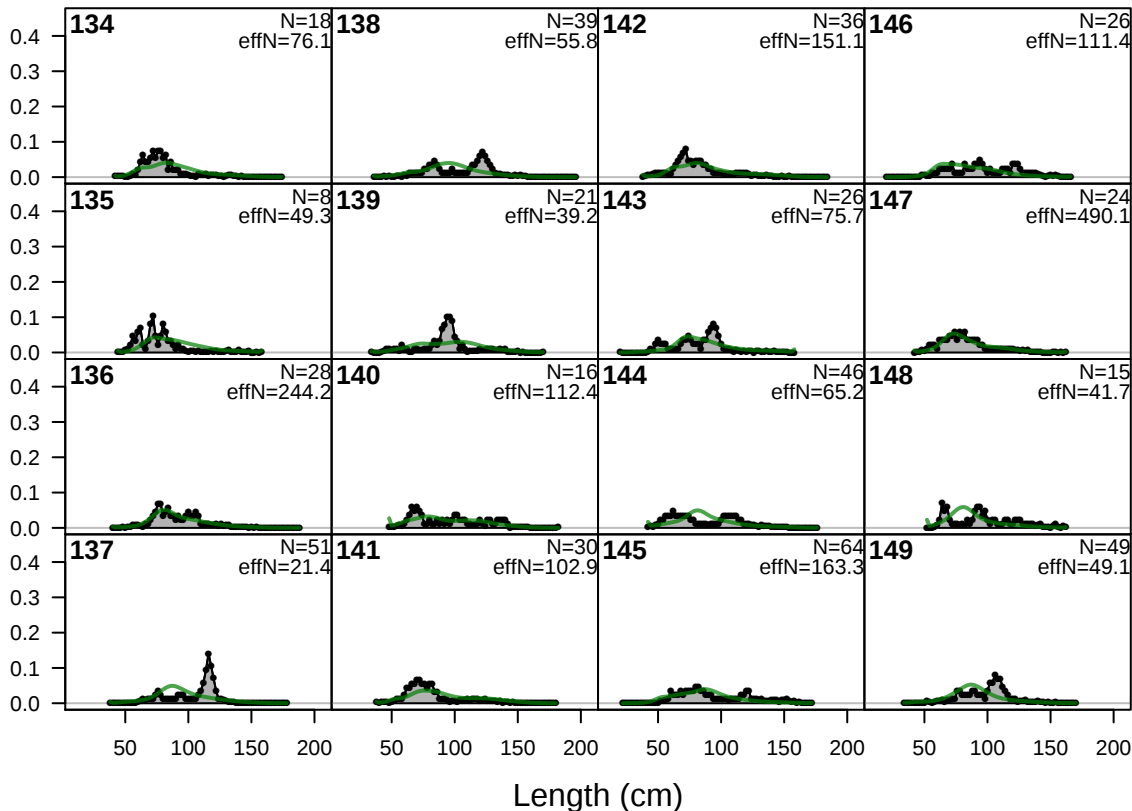


length comps, whole catch, F8-DEL_I



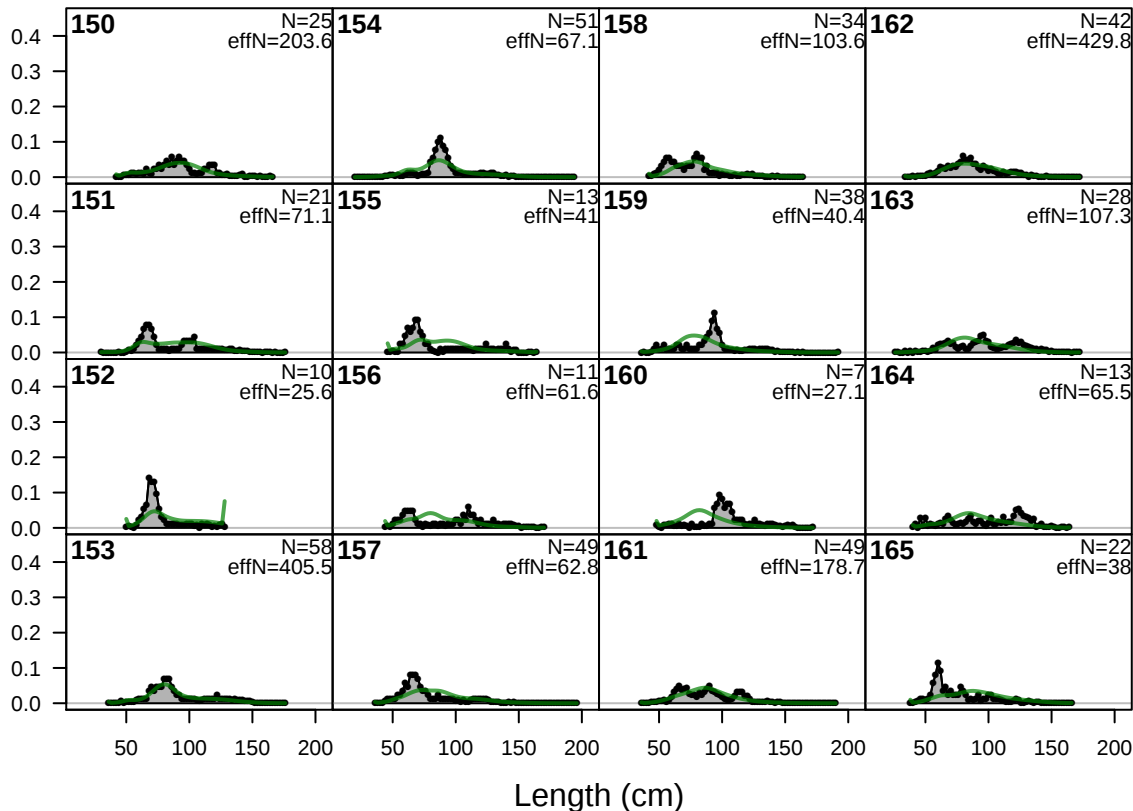
length comps, whole catch, F8-DEL_I

Proportion

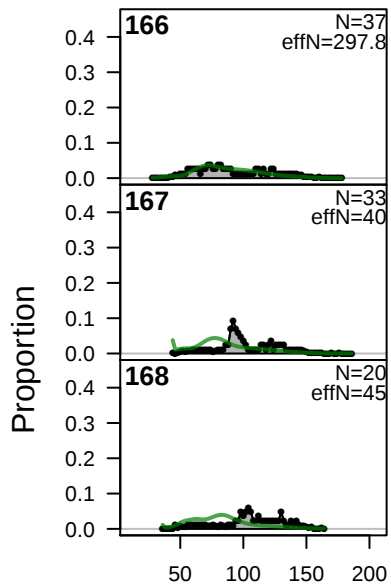


length comps, whole catch, F8-DEL_I

Proportion

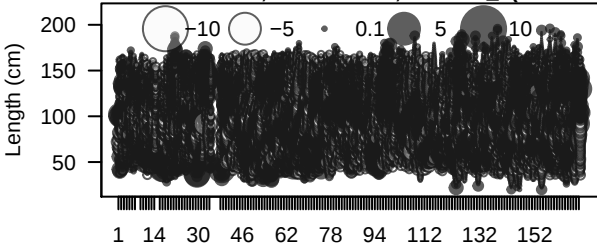


length comps, whole catch, F8-DEL_I

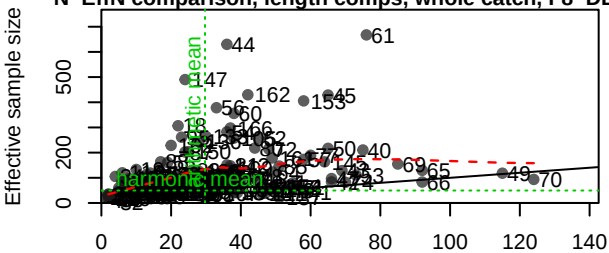


Length (cm)

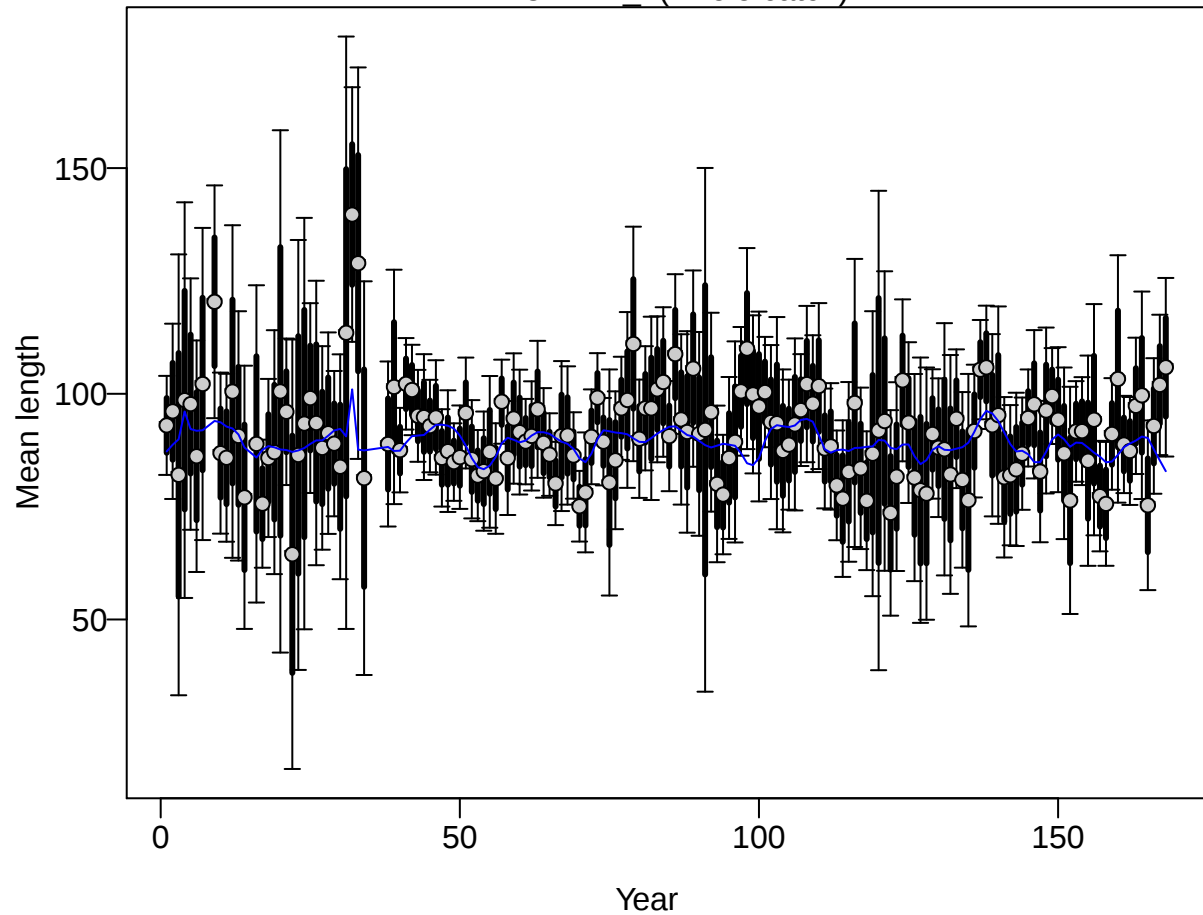
Pearson residuals, whole catch, F8-DEL_I (max=7.05)



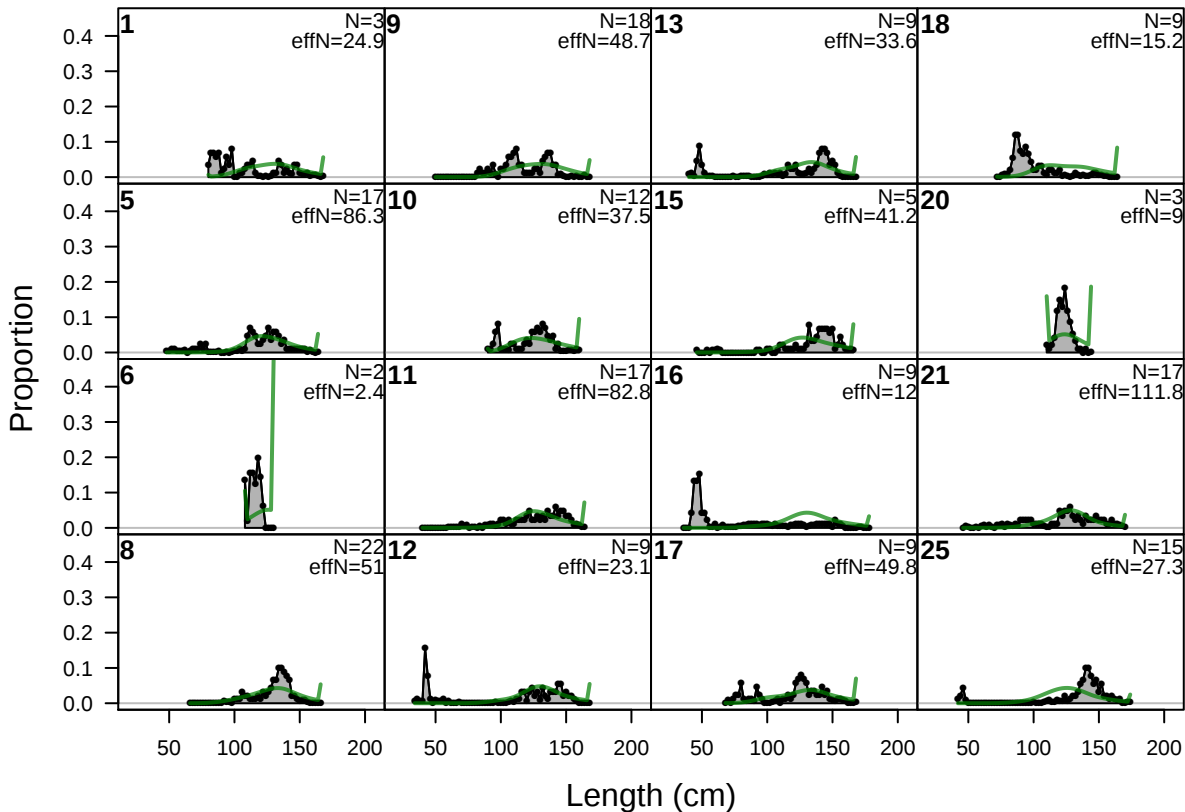
N-EffN comparison, length comps, whole catch, F8-DEL



F8-DEL_I (whole catch)

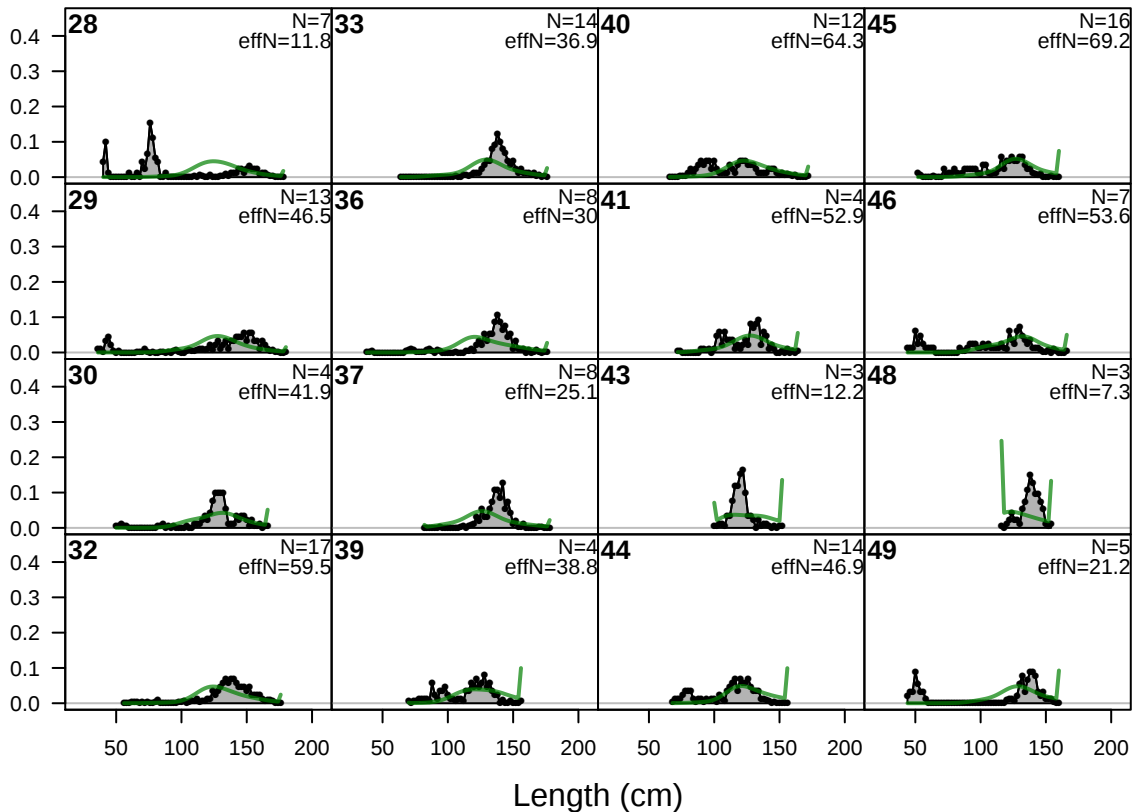


length comps, whole catch, F9-DEL_S

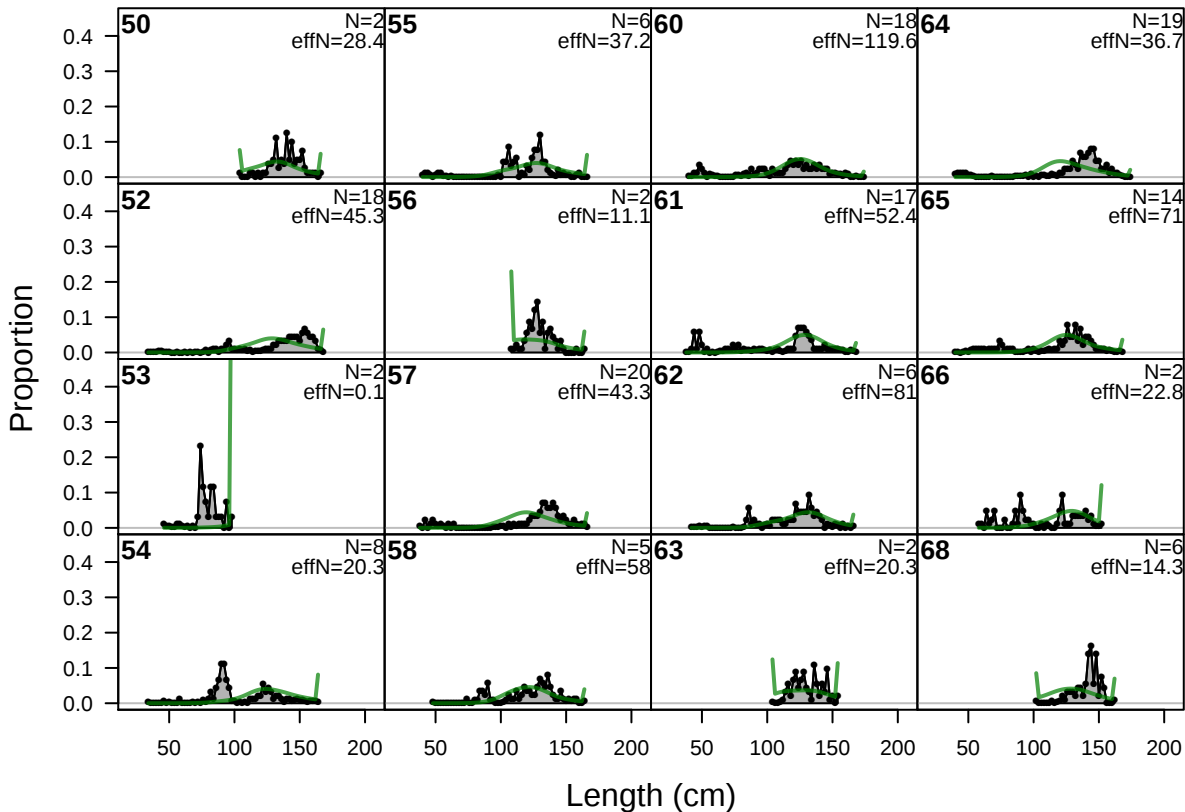


length comps, whole catch, F9-DEL_S

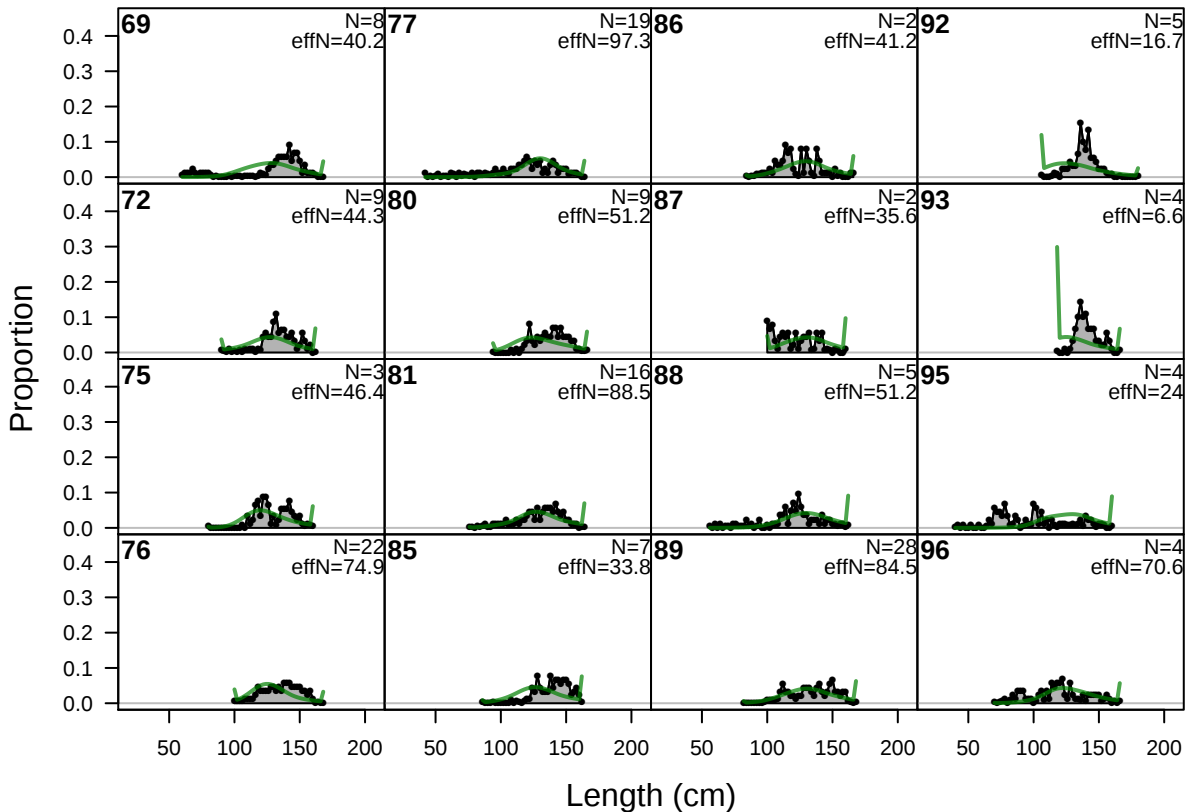
Proportion



length comps, whole catch, F9-DEL_S

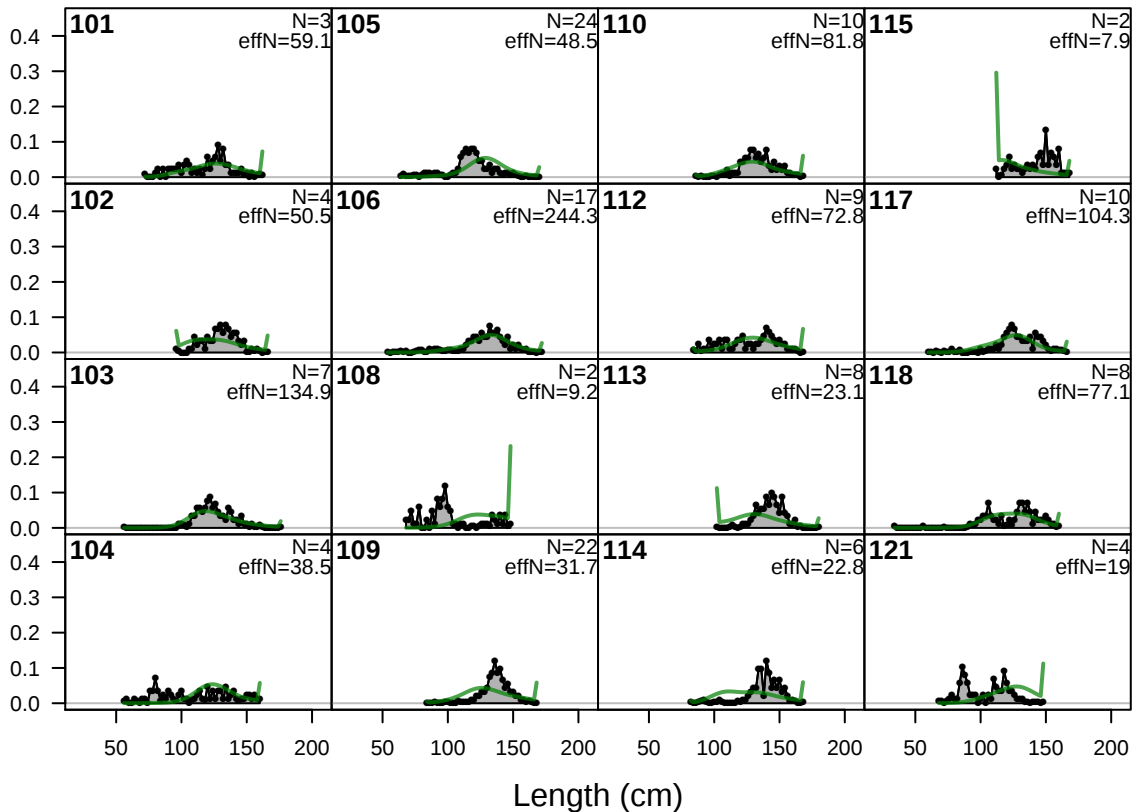


length comps, whole catch, F9-DEL_S

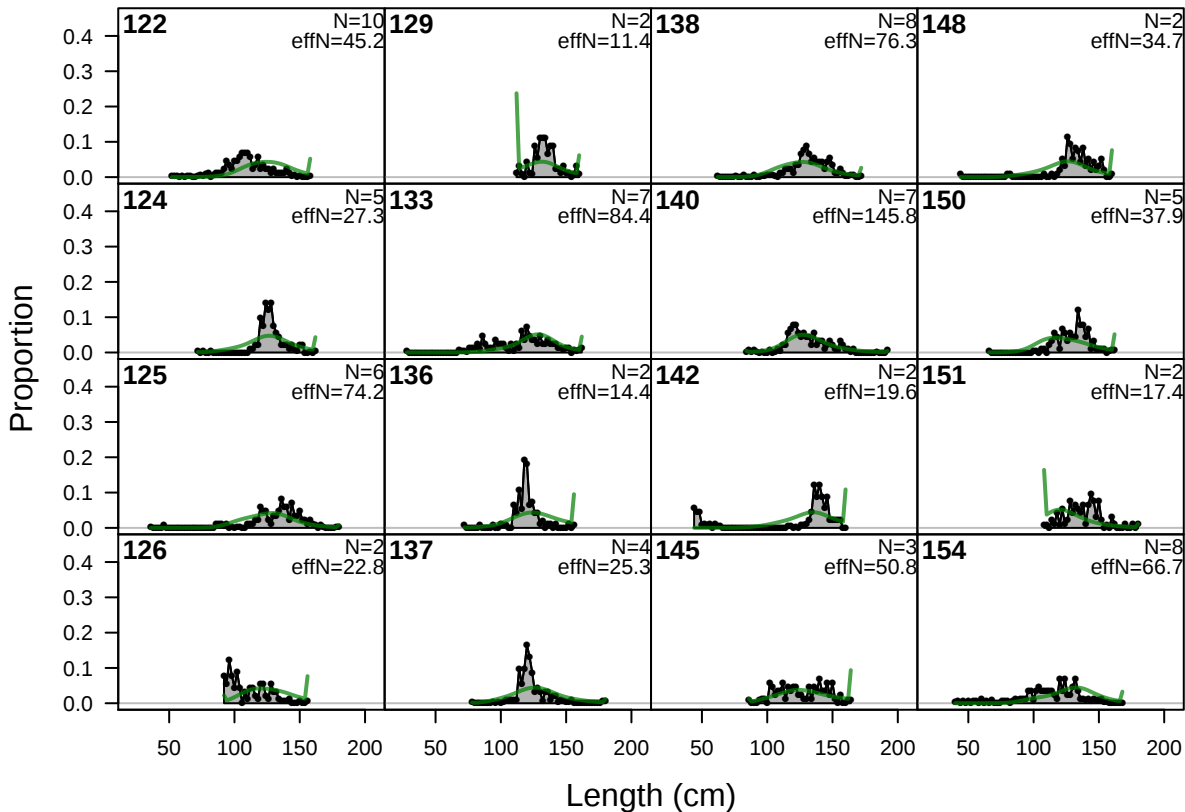


length comps, whole catch, F9-DEL_S

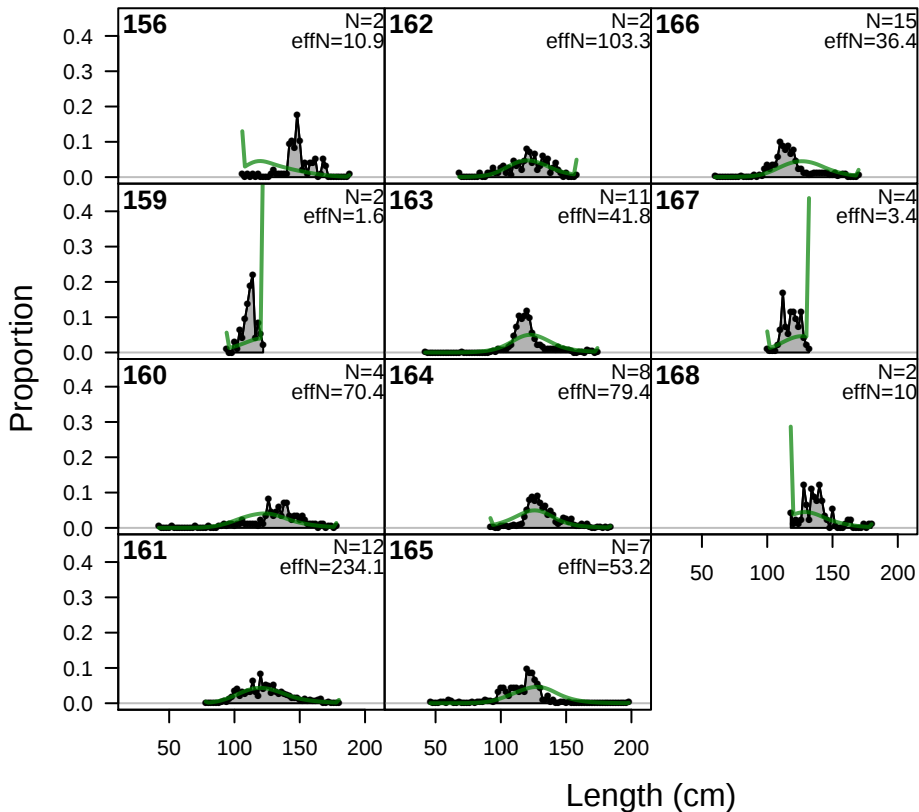
Proportion



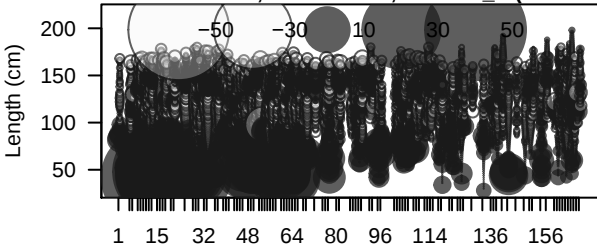
length comps, whole catch, F9-DEL_S



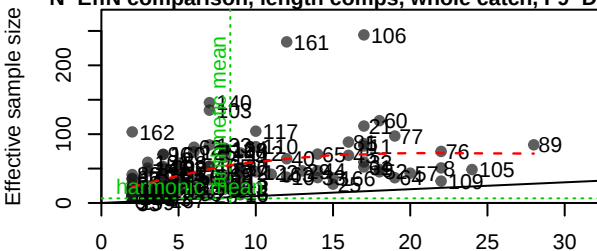
length comps, whole catch, F9-DEL_S



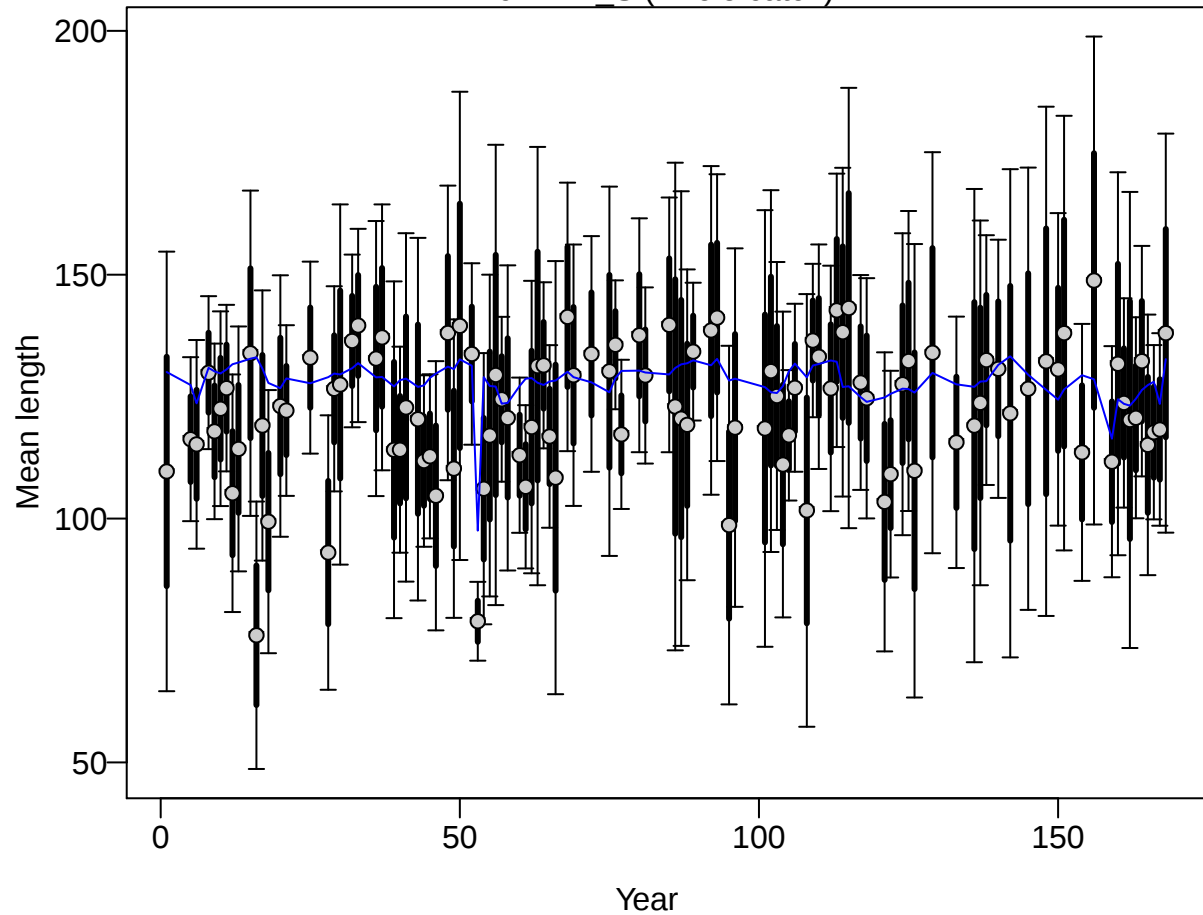
Pearson residuals, whole catch, F9-DEL_S (max=46.1)



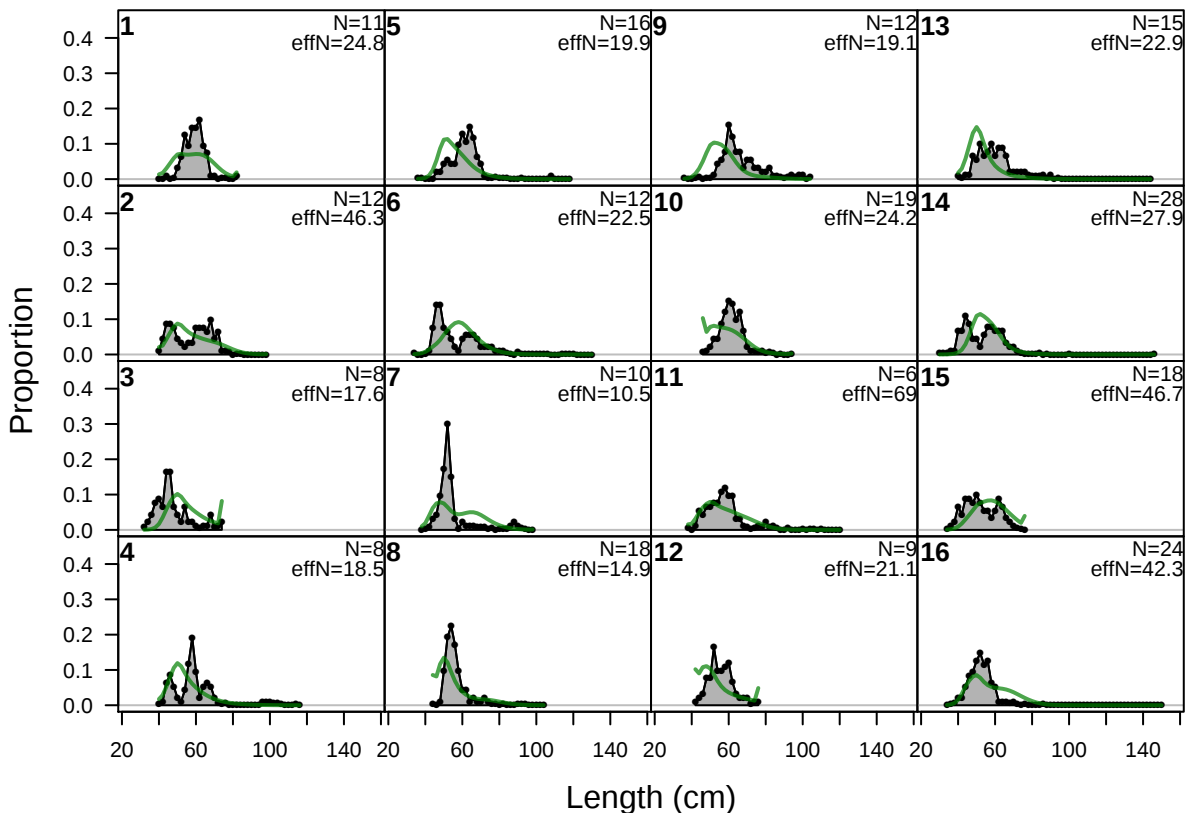
N-EffN comparison, length comps, whole catch, F9-DEL



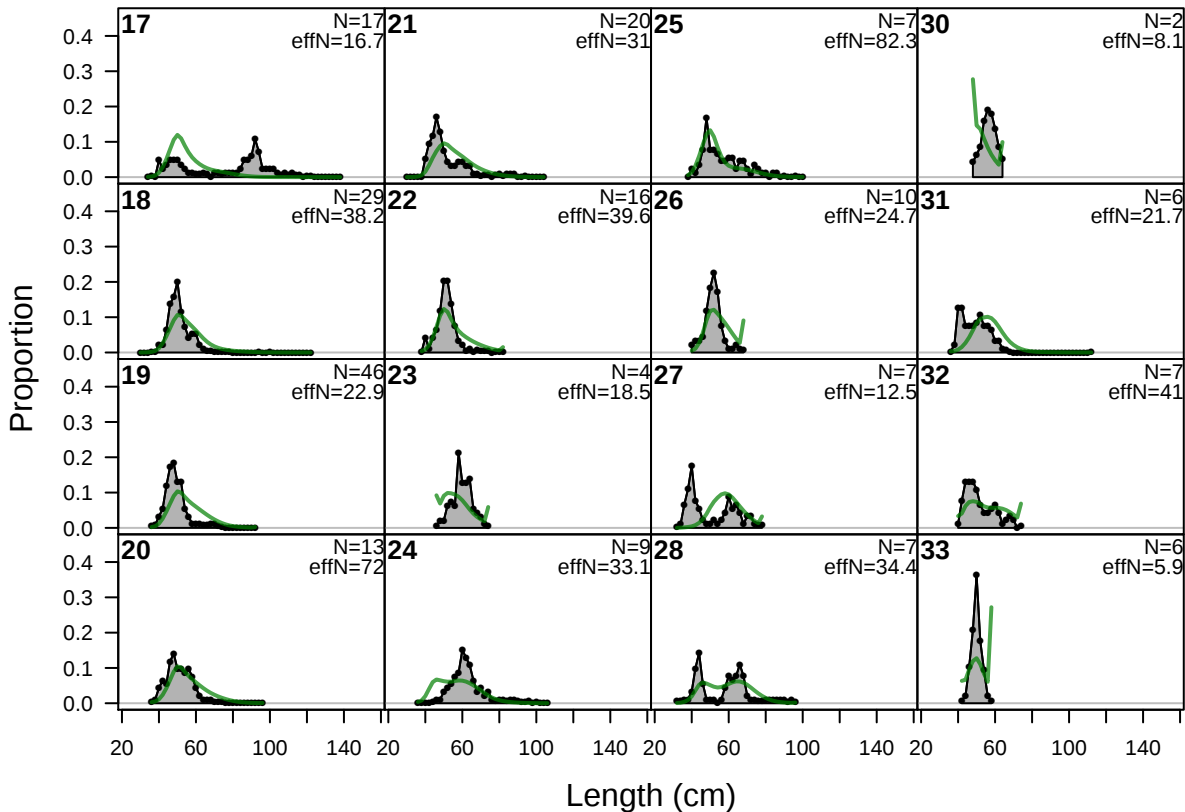
F9-DEL S (whole catch)



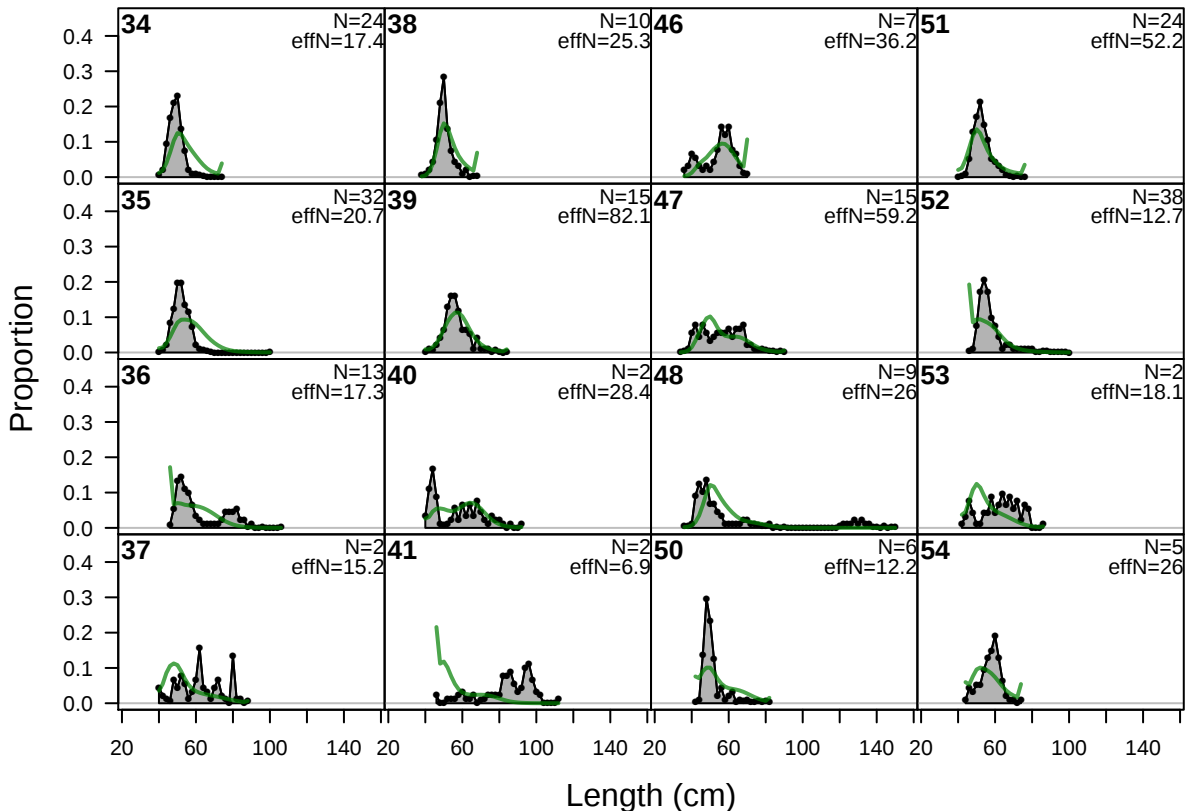
length comps, whole catch, F10-BB



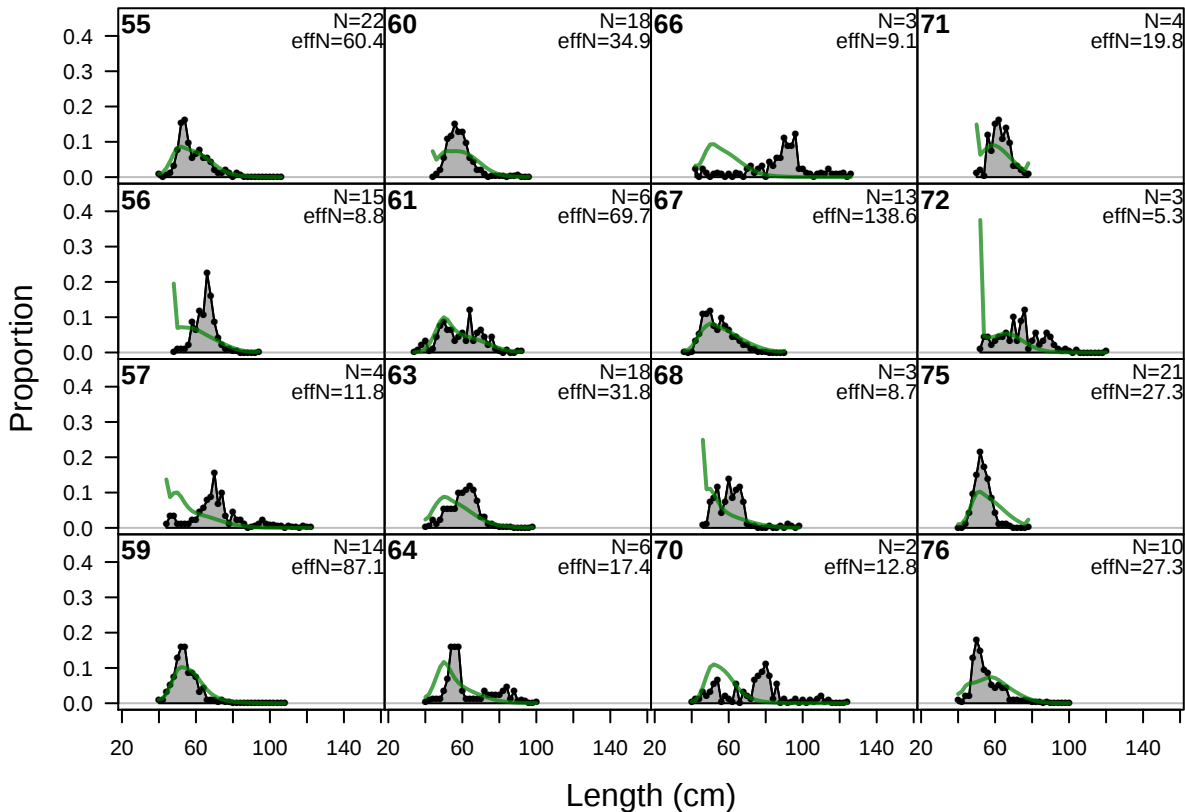
length comps, whole catch, F10-BB



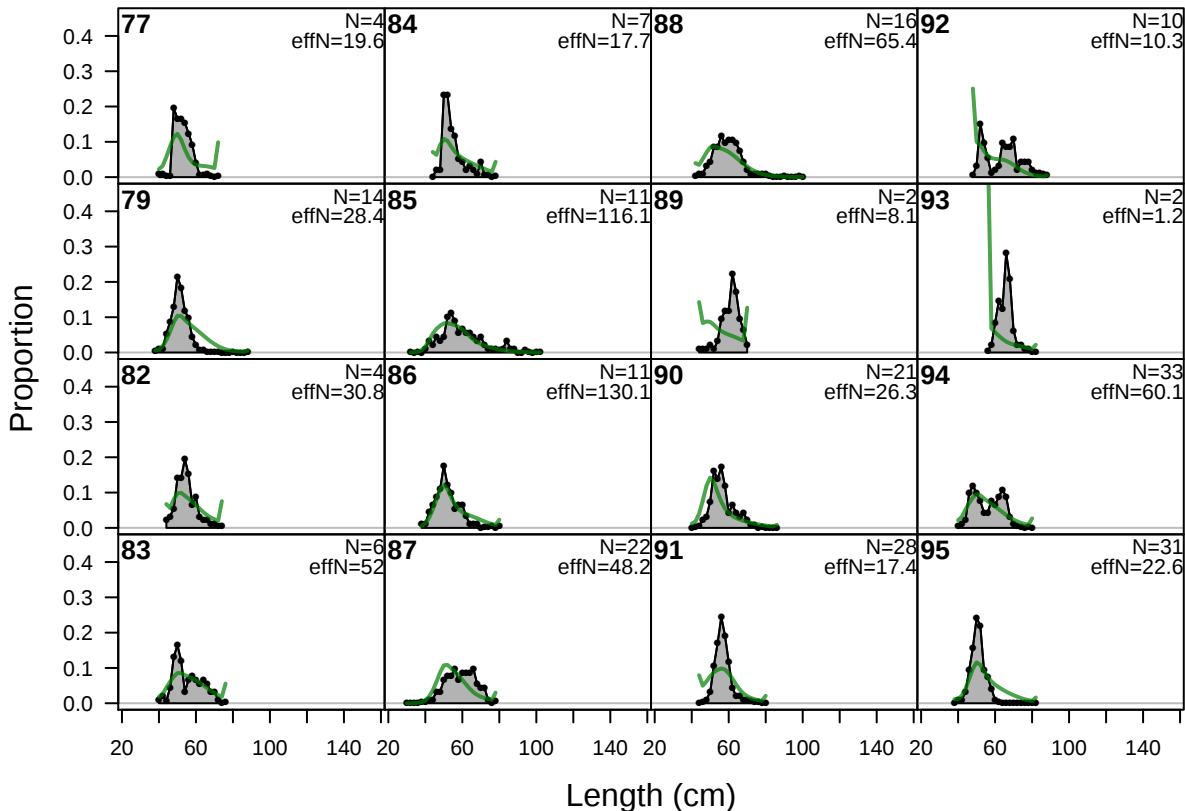
length comps, whole catch, F10-BB



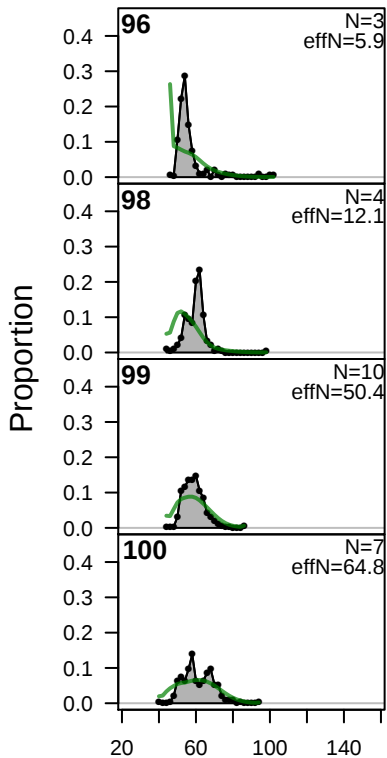
length comps, whole catch, F10-BB



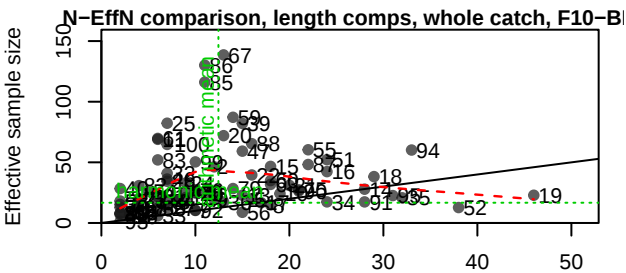
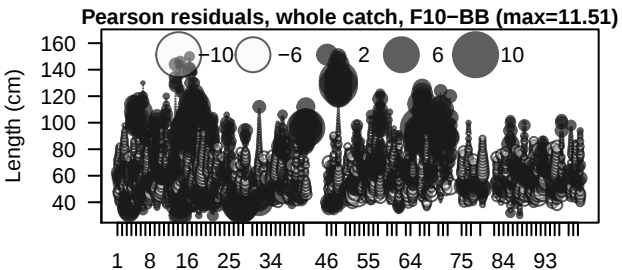
length comps, whole catch, F10-BB



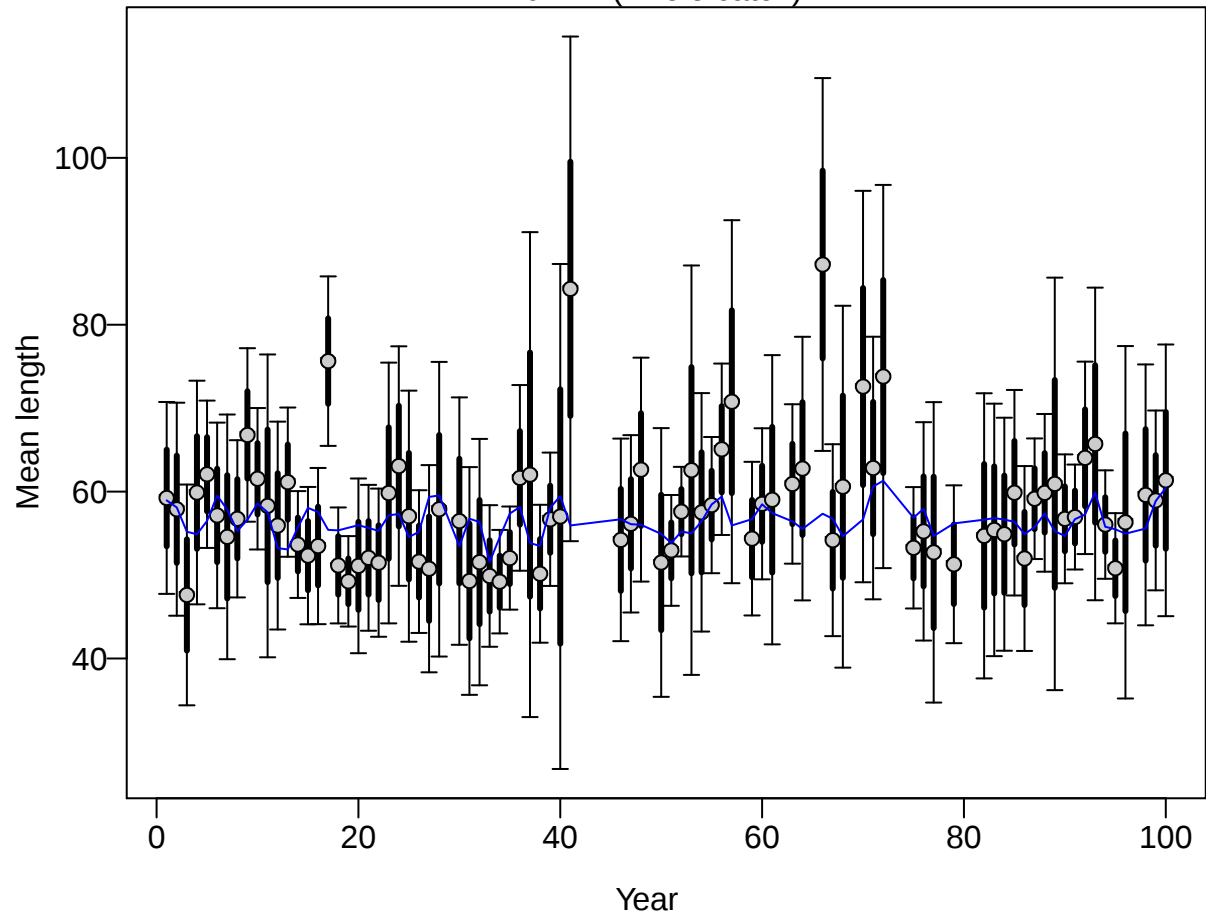
length comps, whole catch, F10-BB



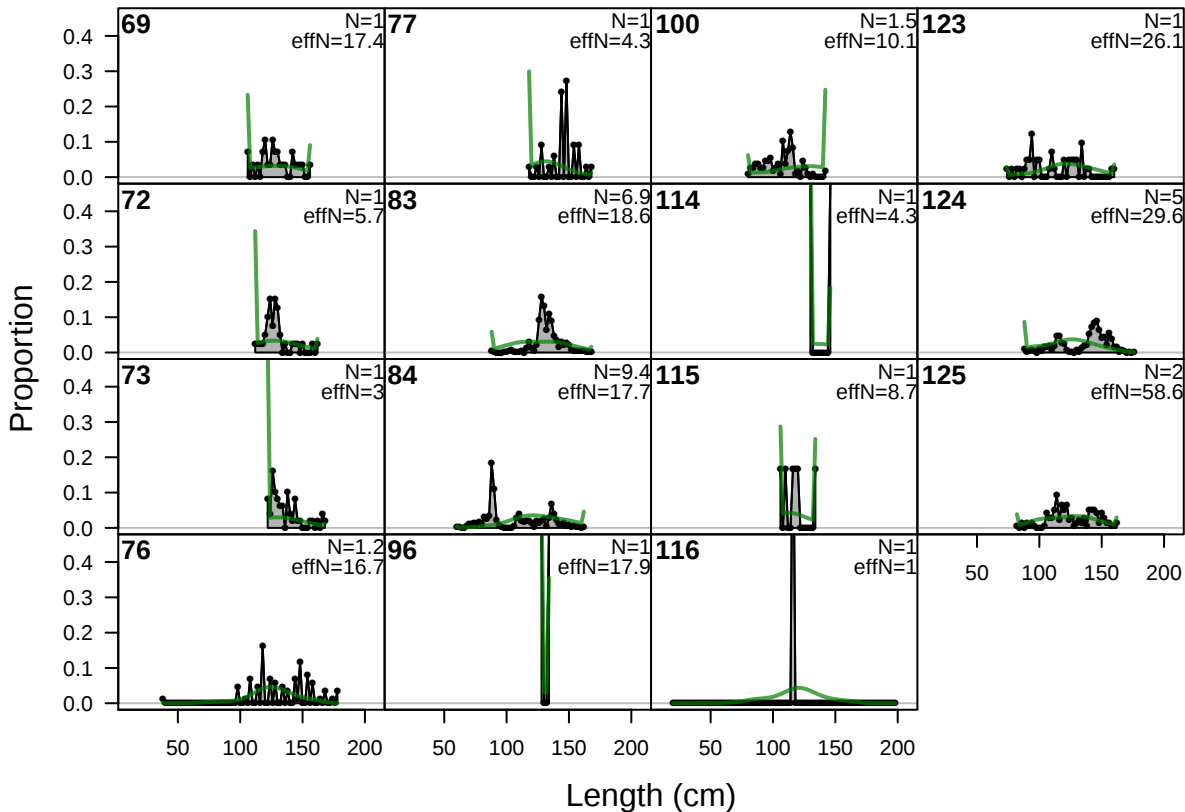
Length (cm)

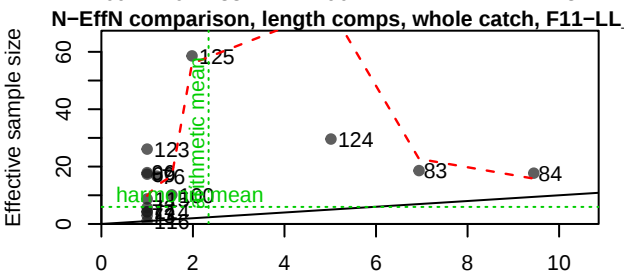
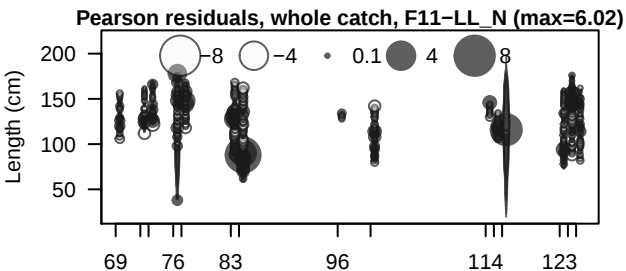


F10-BB (whole catch)

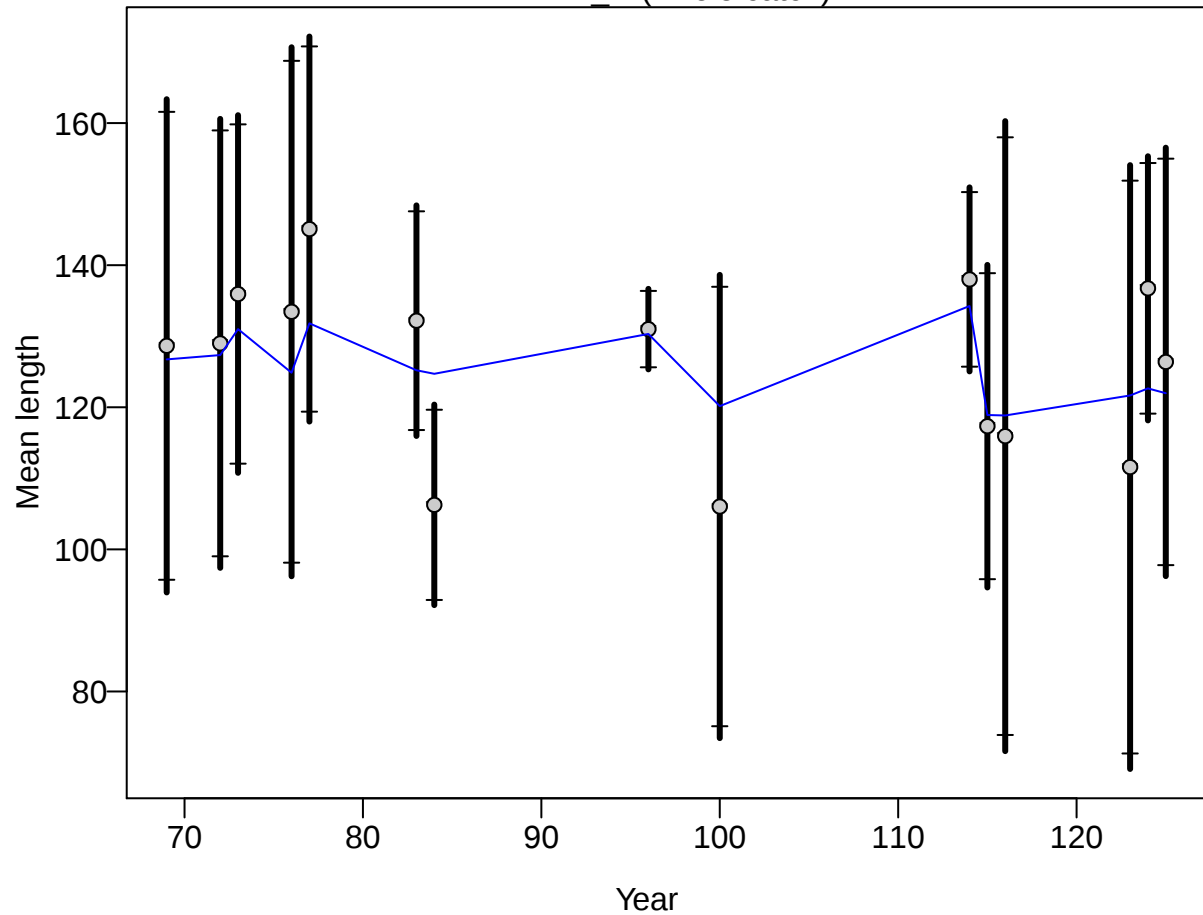


length comps, whole catch, F11-LL_N



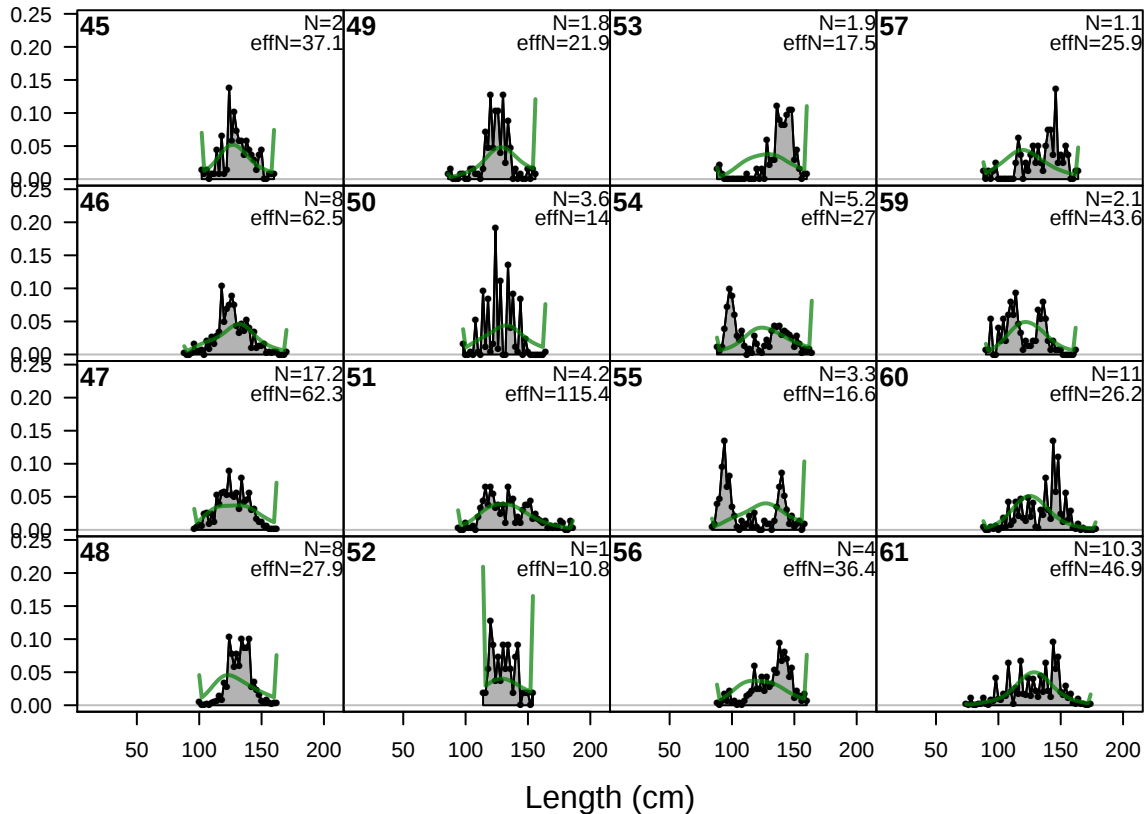


F11-LL_N (whole catch)



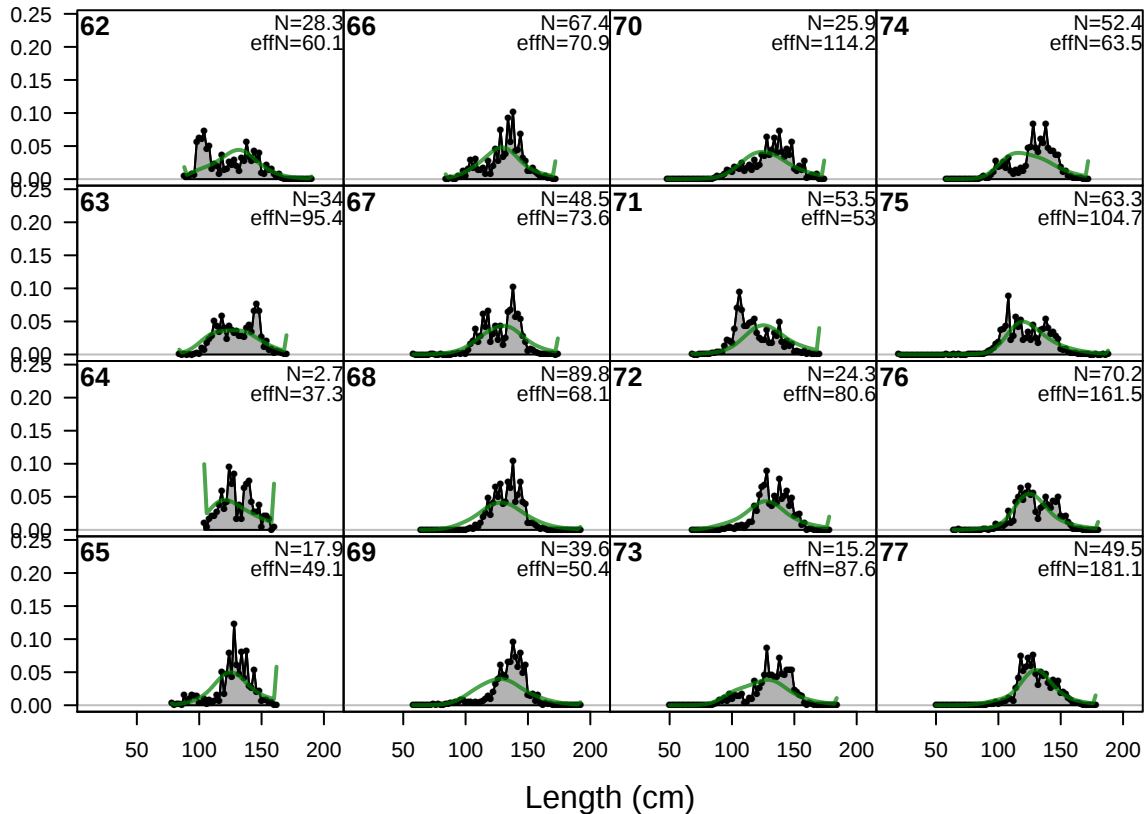
length comps, whole catch, F12-LL_S

Proportion



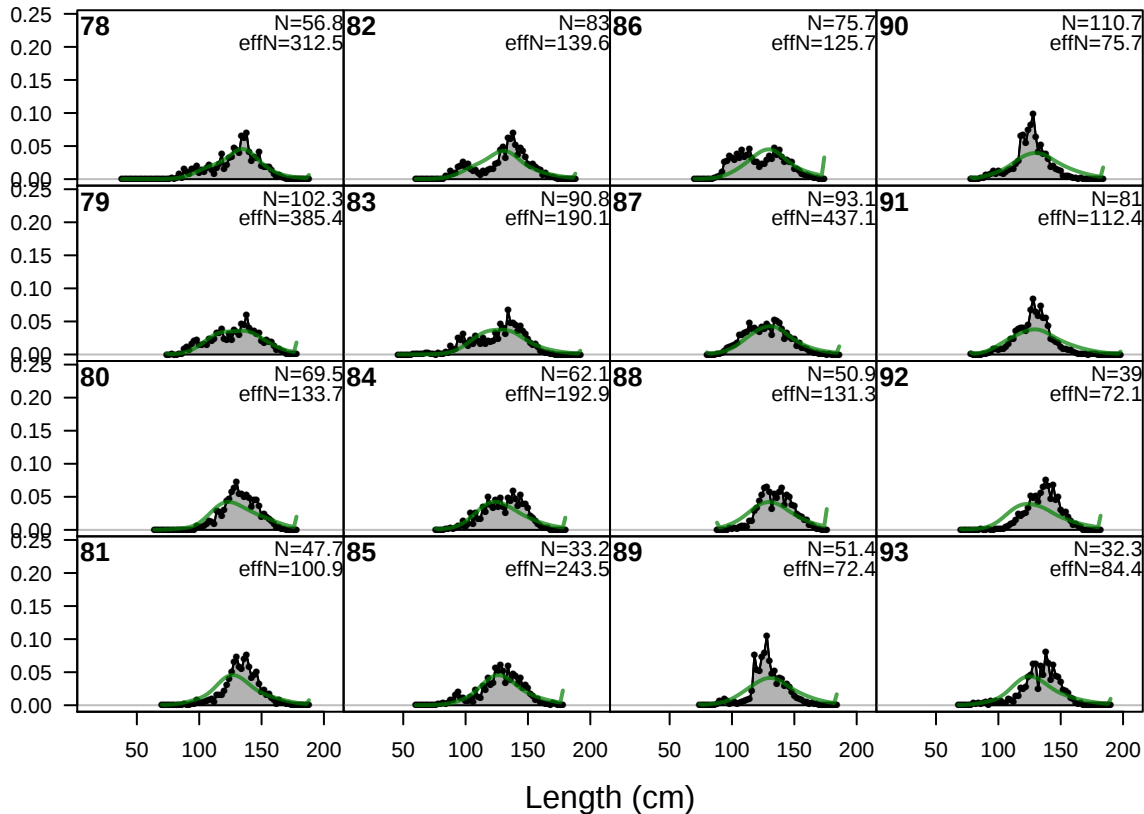
length comps, whole catch, F12-LL_S

Proportion



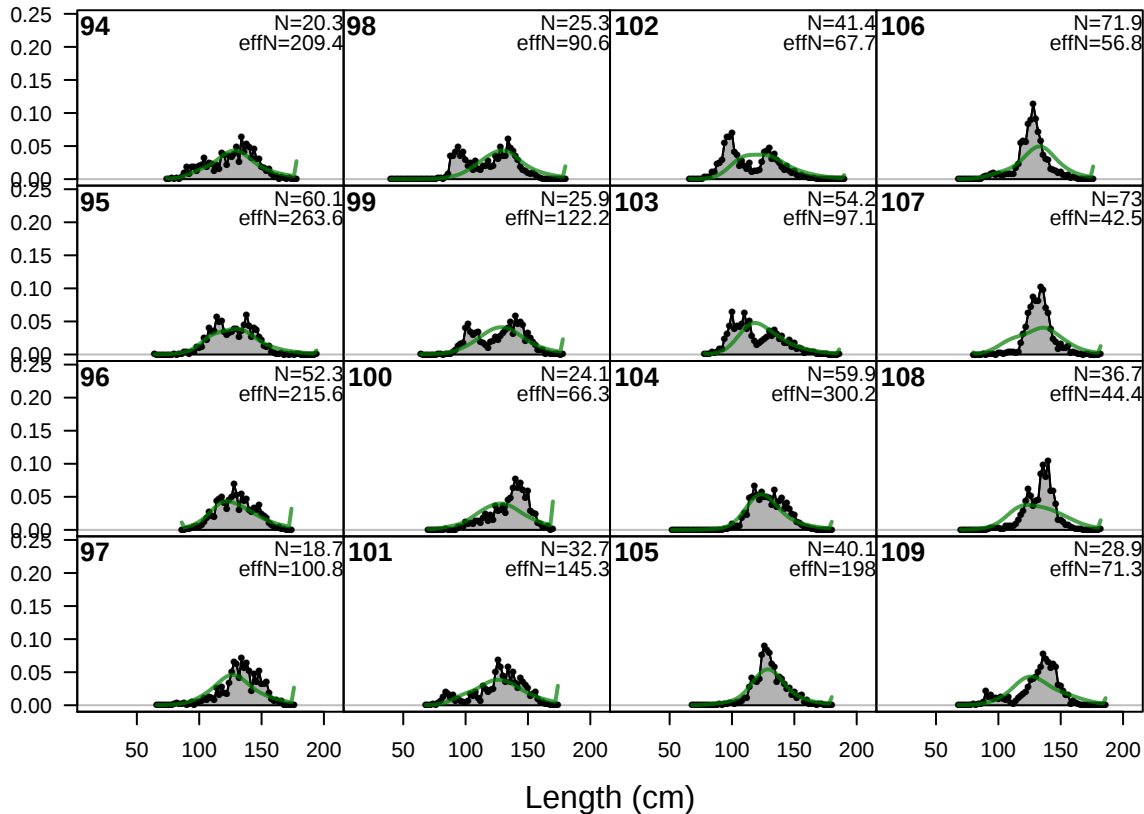
length comps, whole catch, F12-LL_S

Proportion



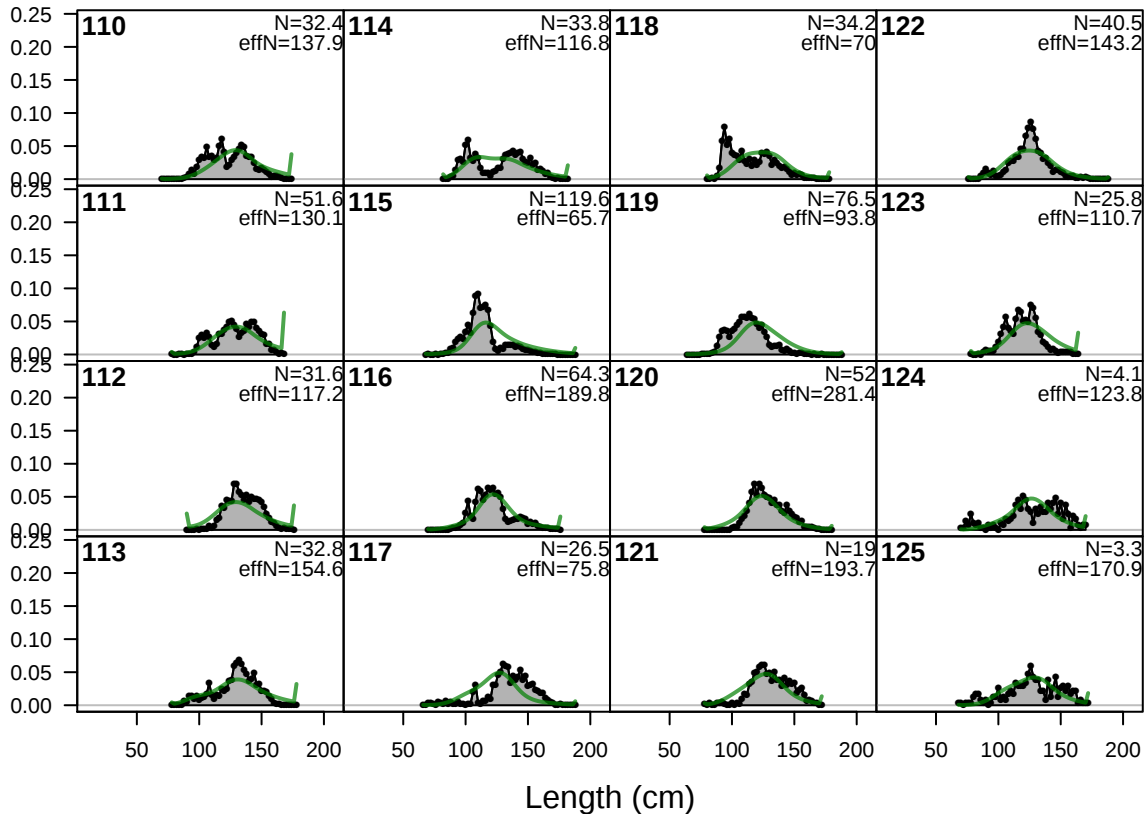
length comps, whole catch, F12-LL_S

Proportion



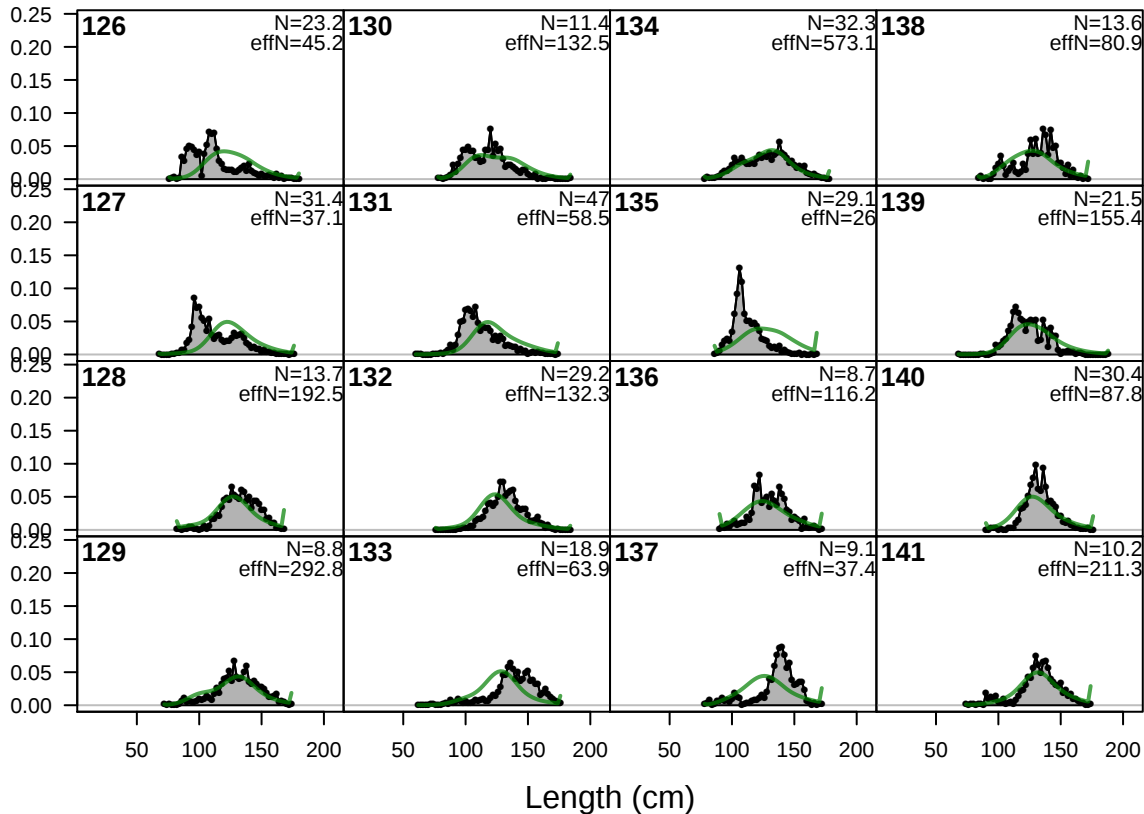
length comps, whole catch, F12-LL_S

Proportion



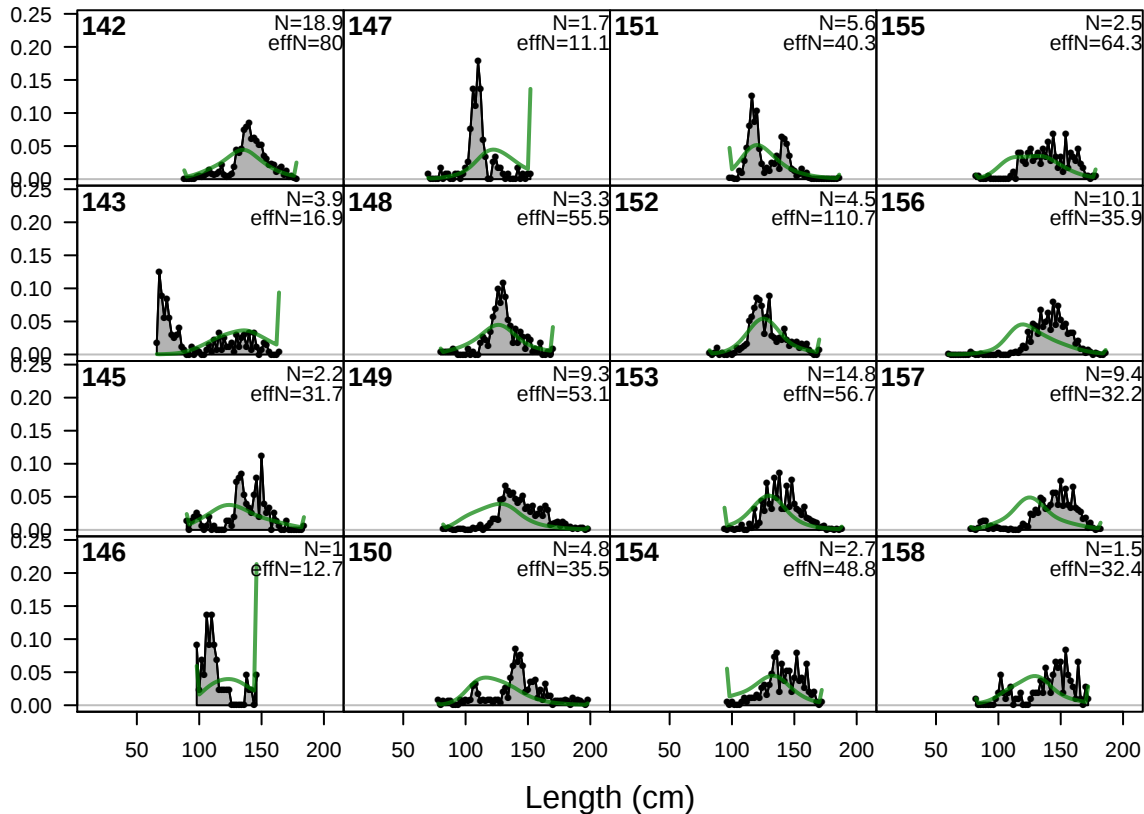
length comps, whole catch, F12-LL_S

Proportion

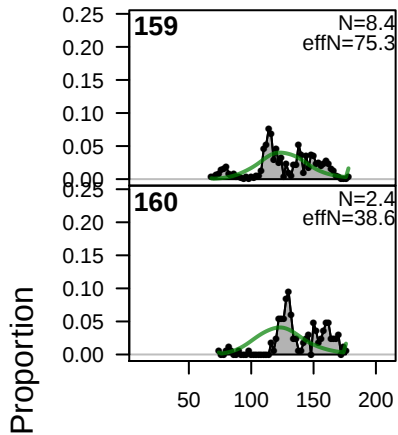


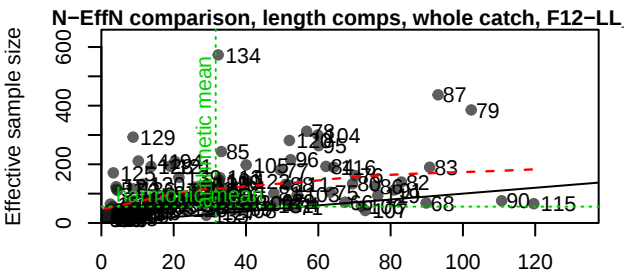
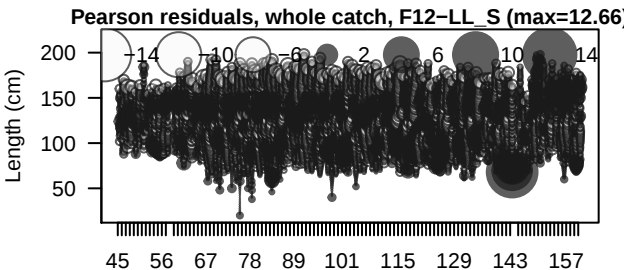
length comps, whole catch, F12-LL_S

Proportion

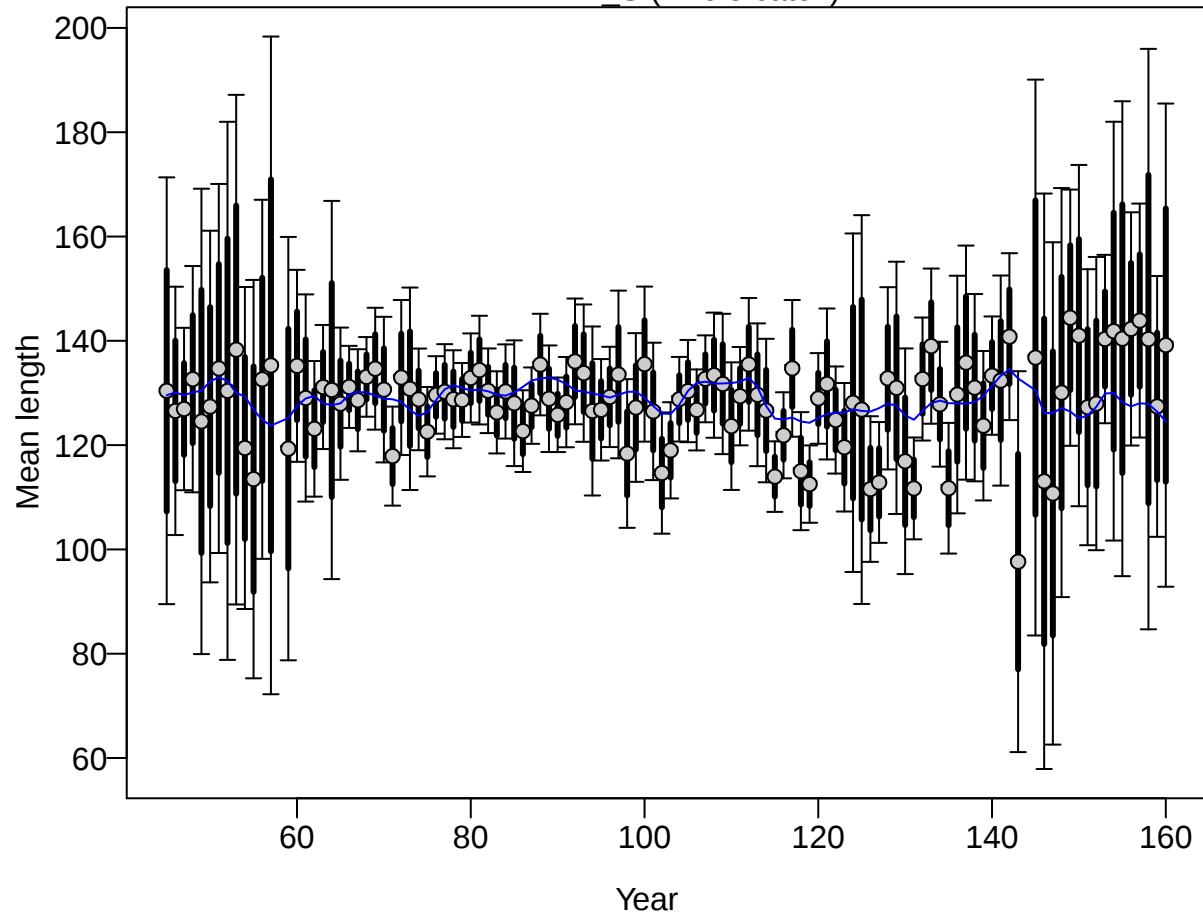


length comps, whole catch, F12-LL_S

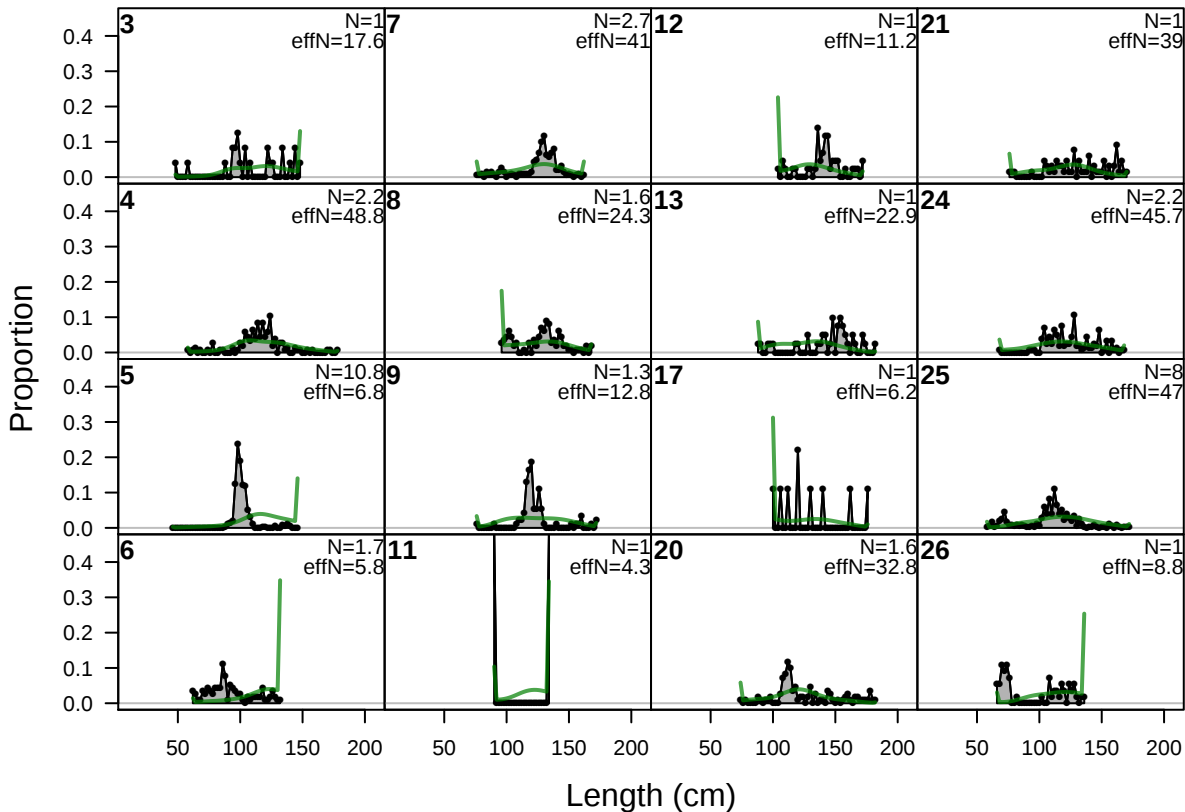




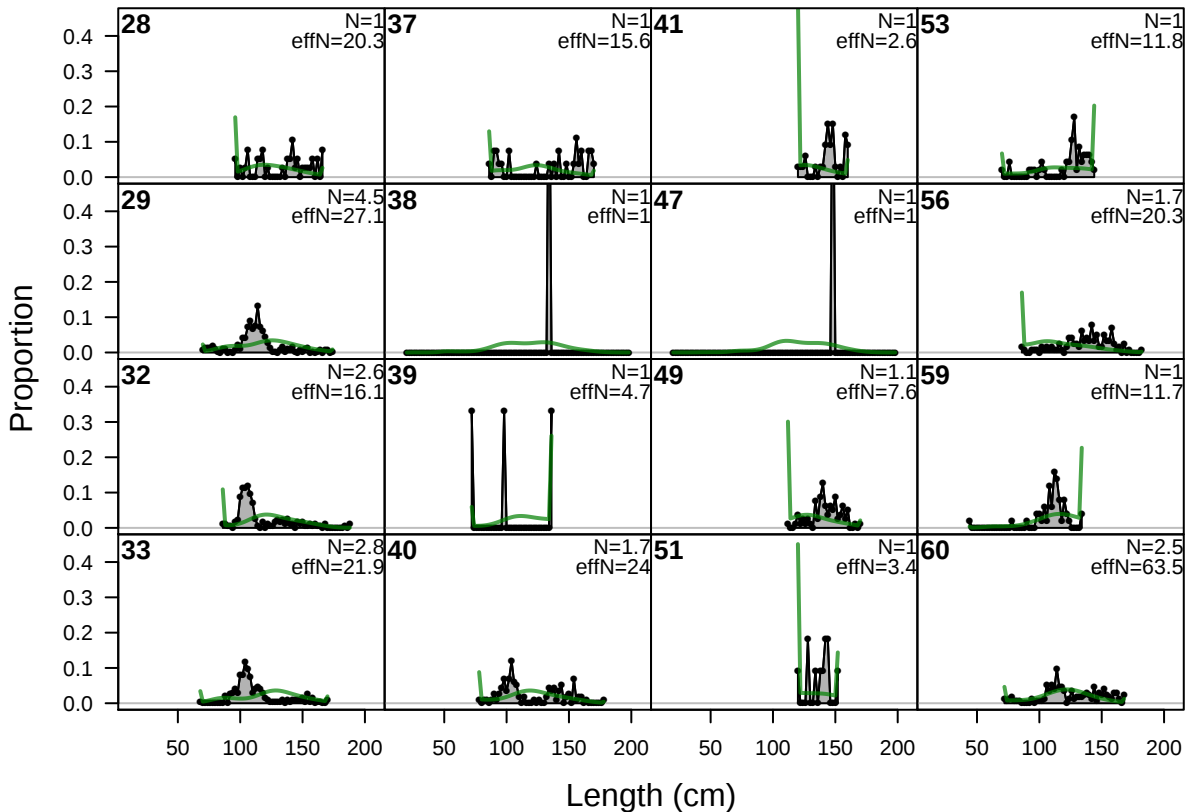
F12-LL_S (whole catch)



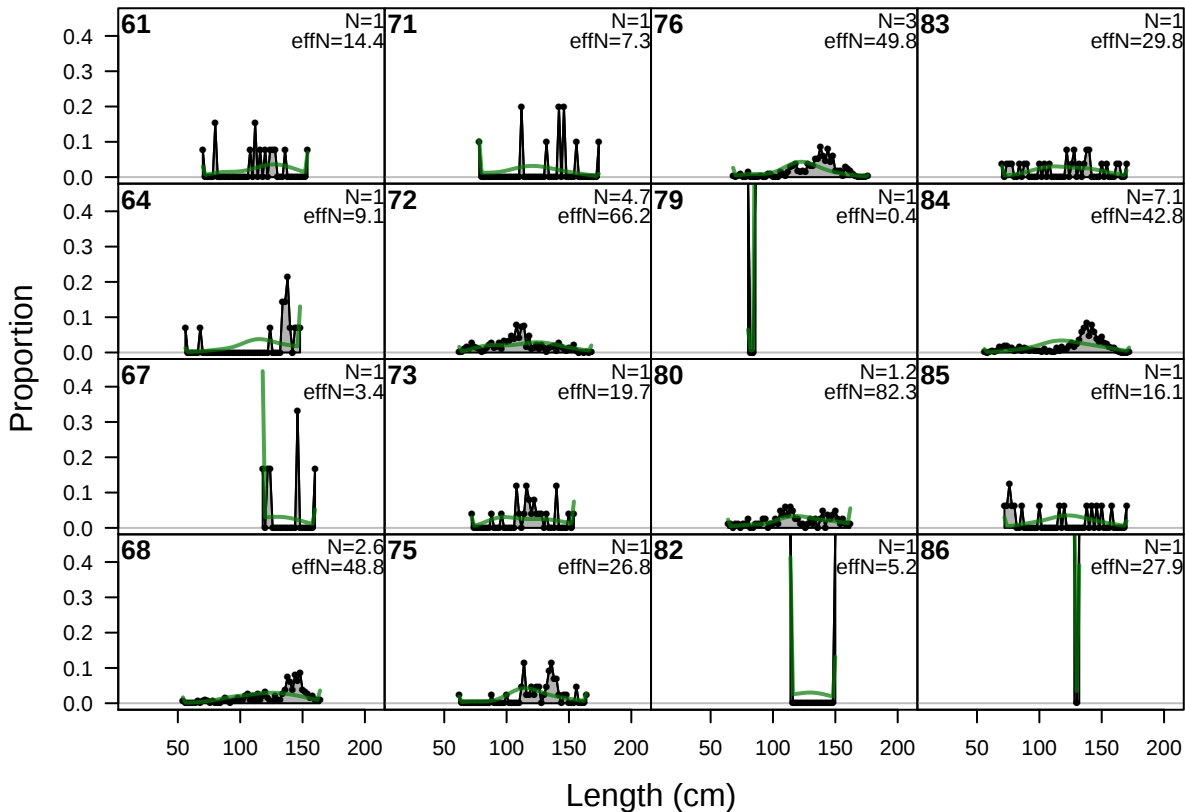
length comps, whole catch, S3-LLt_N_Length



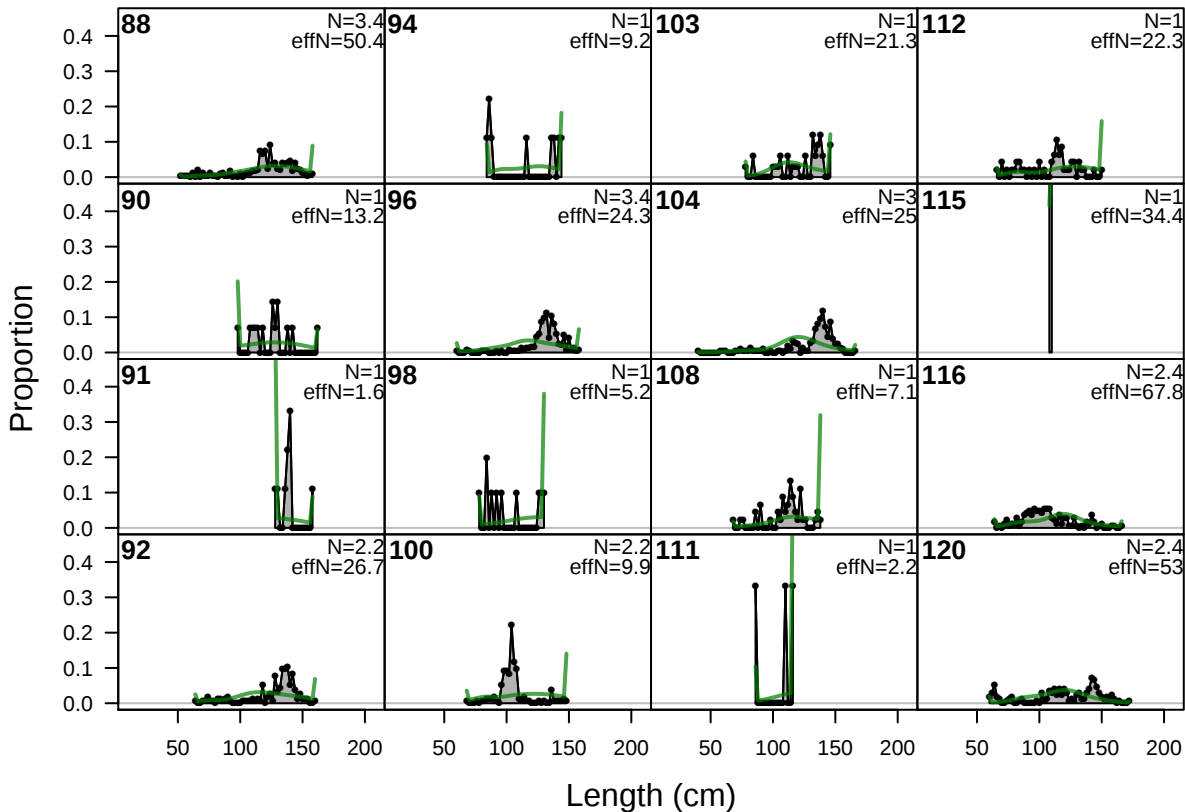
length comps, whole catch, S3-LLt_N_Length



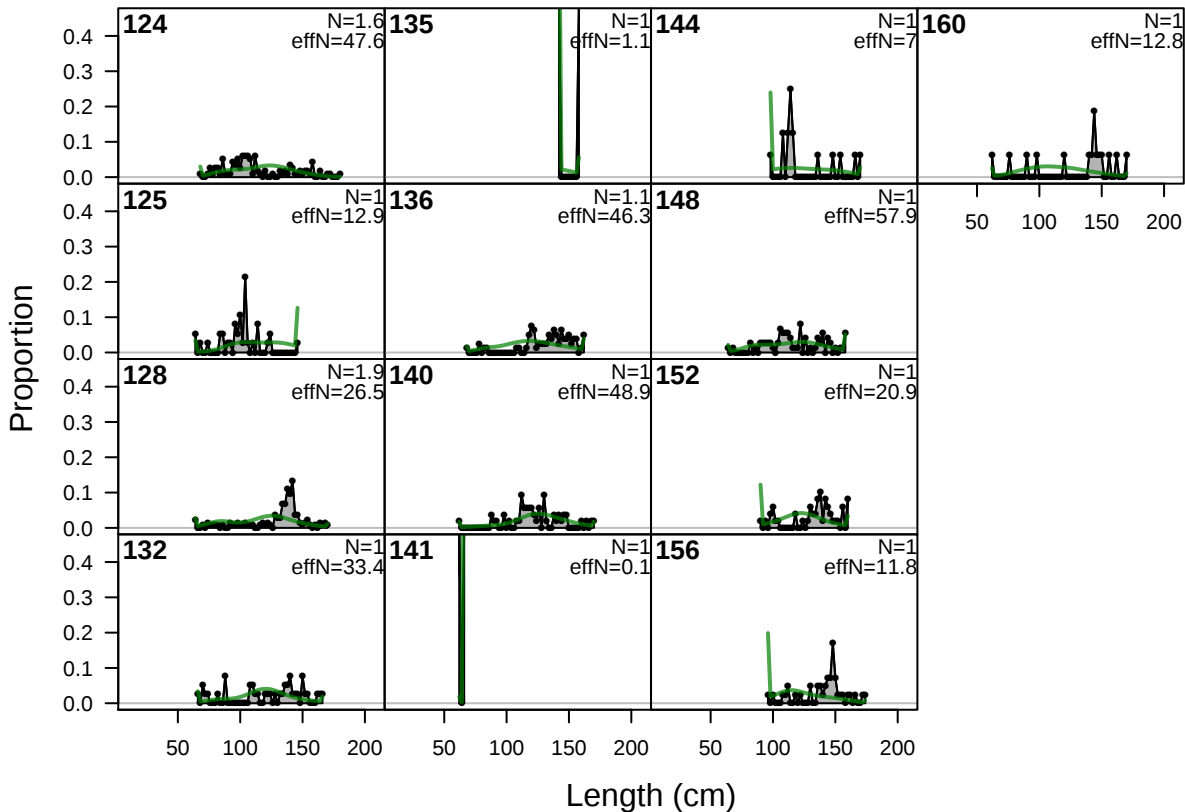
length comps, whole catch, S3-LLt_N_Length



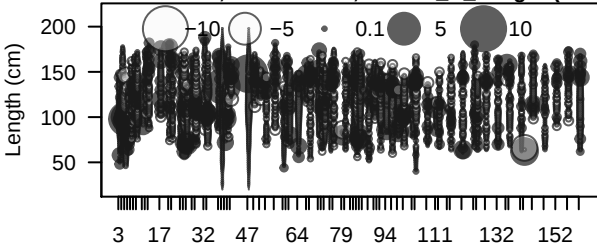
length comps, whole catch, S3-LLt_N_Length



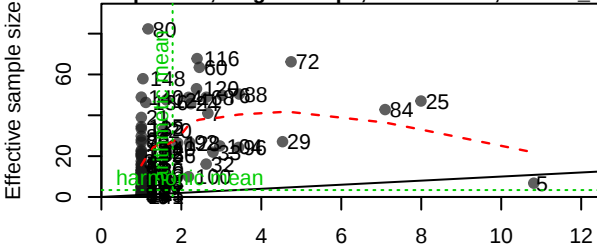
length comps, whole catch, S3-LLt_N_Length



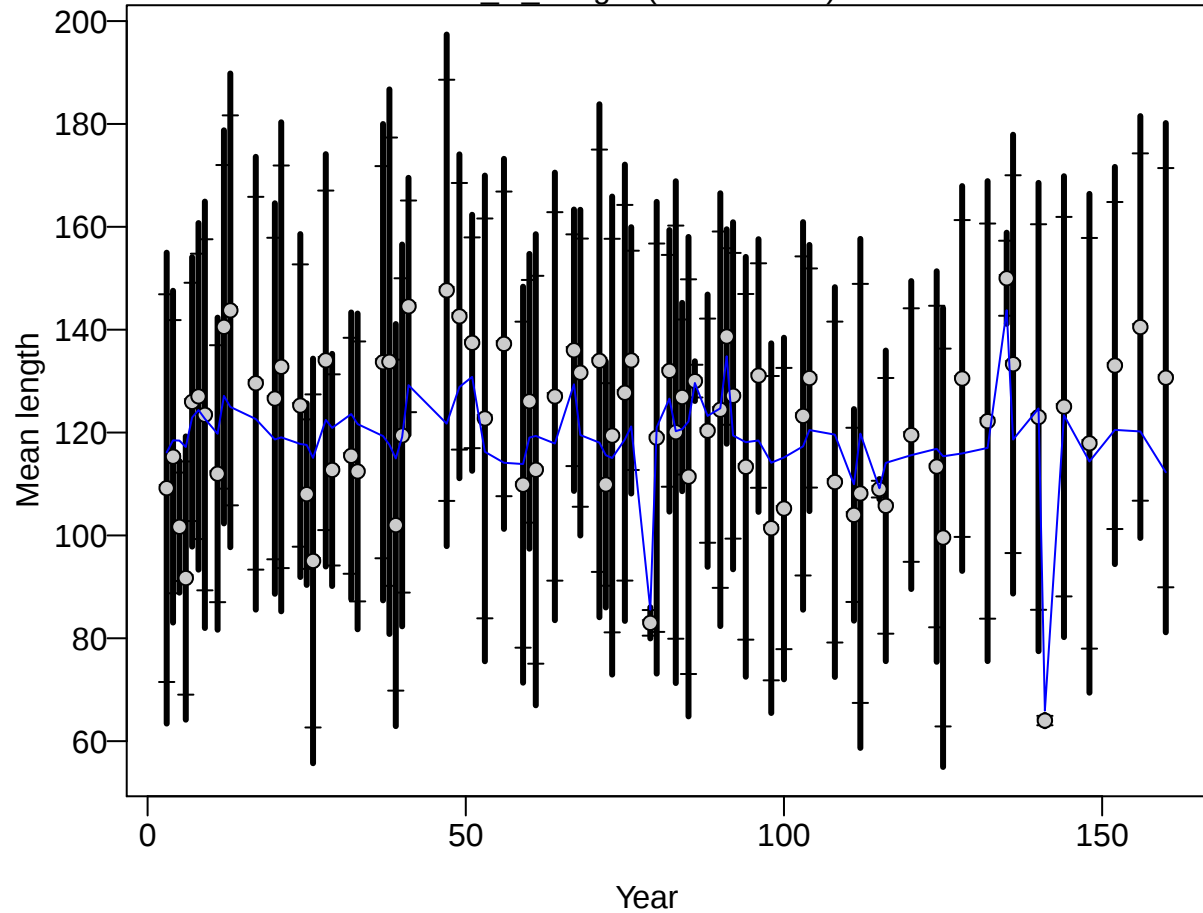
Pearson residuals, whole catch, S3-LLt N Length (max=6)



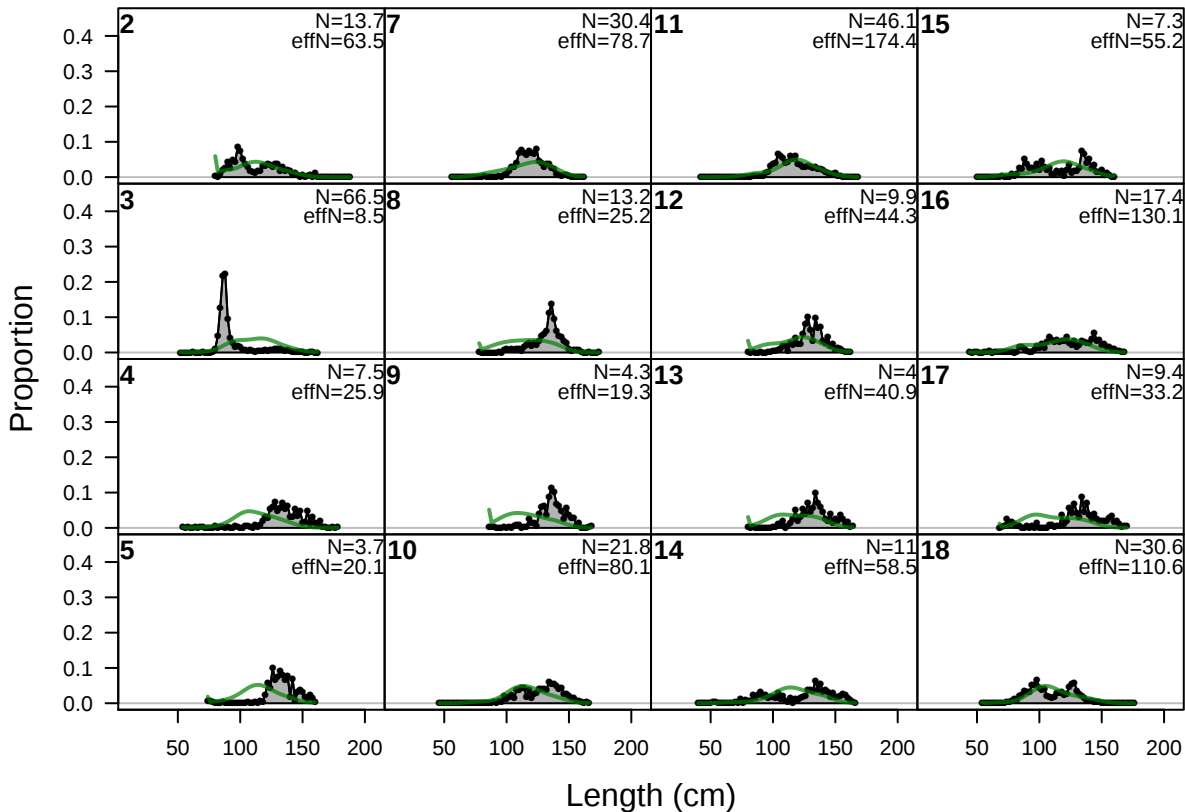
N-EffN comparison, length comps, whole catch, S3-LLt N L



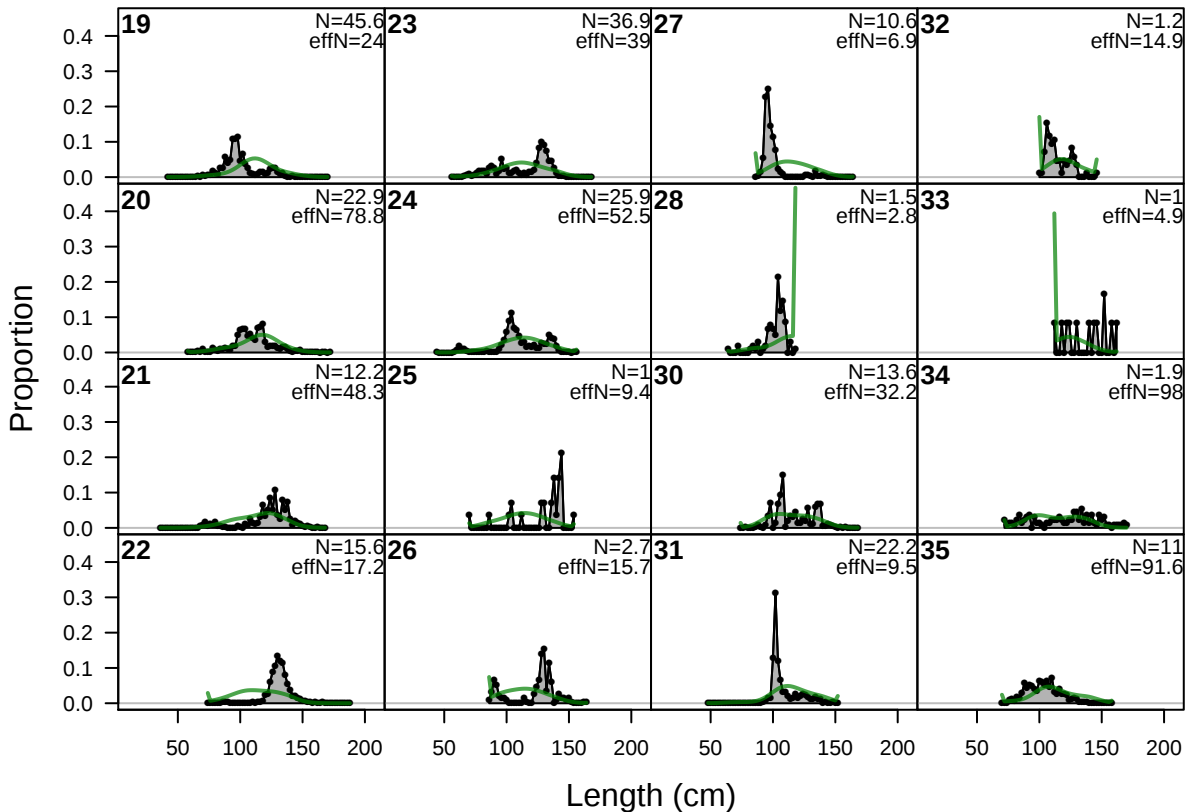
S3-LLt N Length (whole catch)



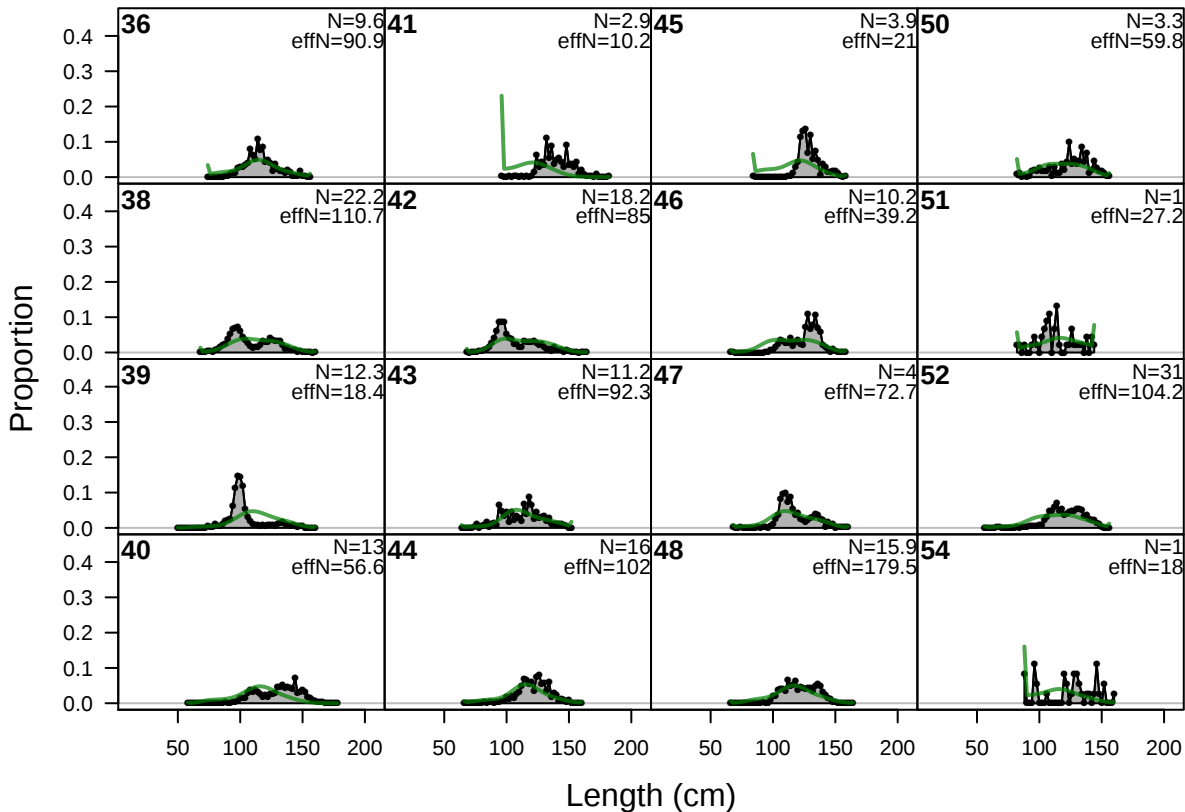
length comps, whole catch, S4-LLt_S_Length



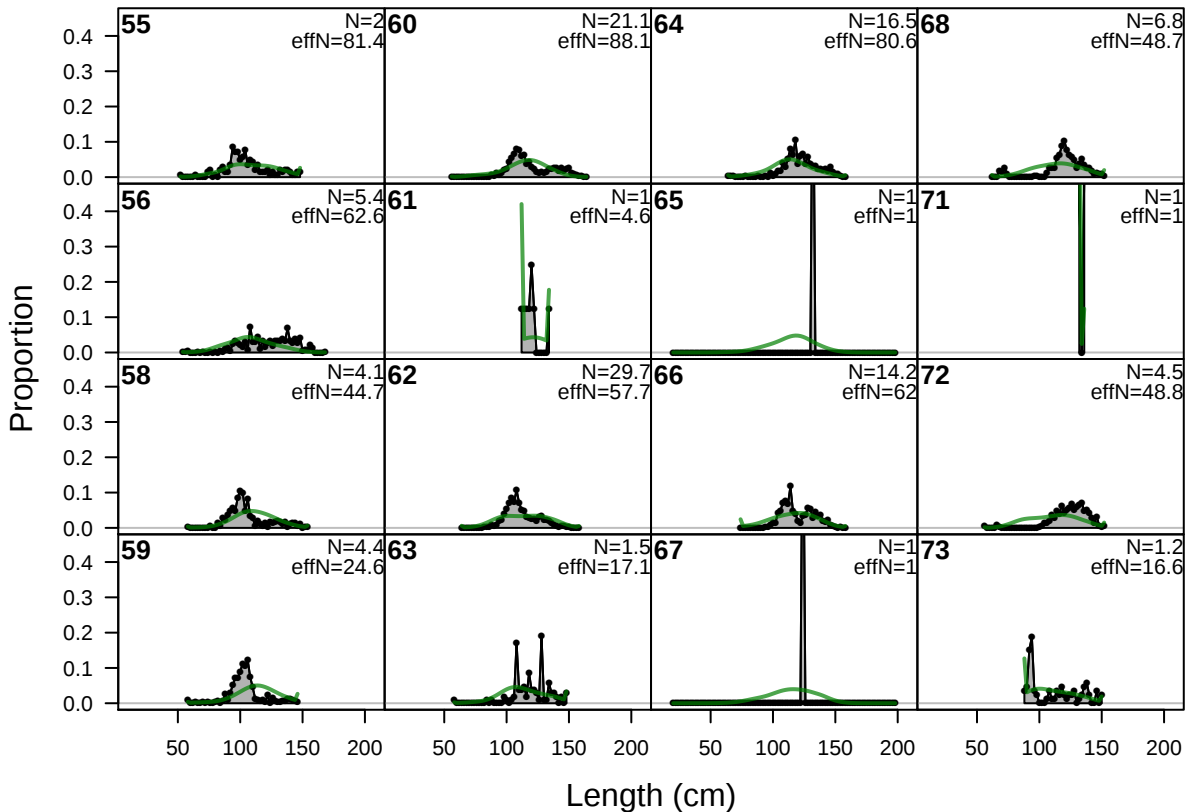
length comps, whole catch, S4-LLt_S_Length



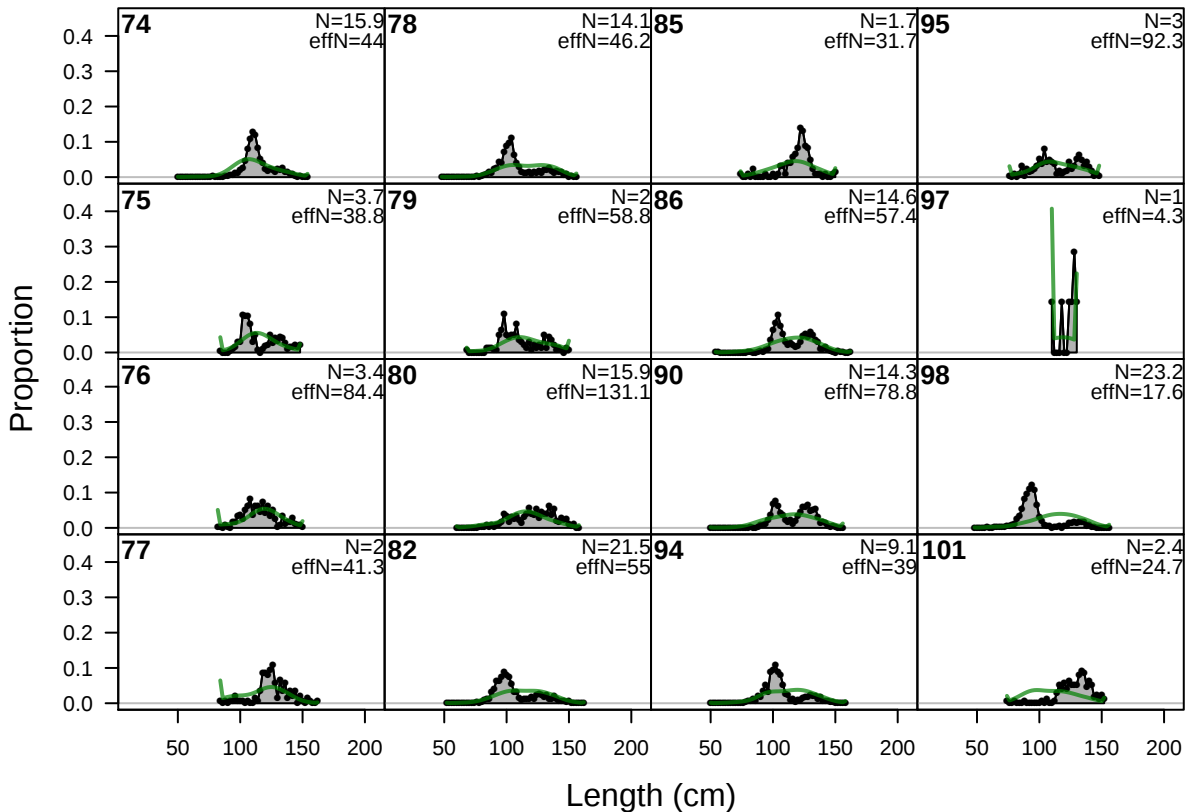
length comps, whole catch, S4-LLt_S_Length



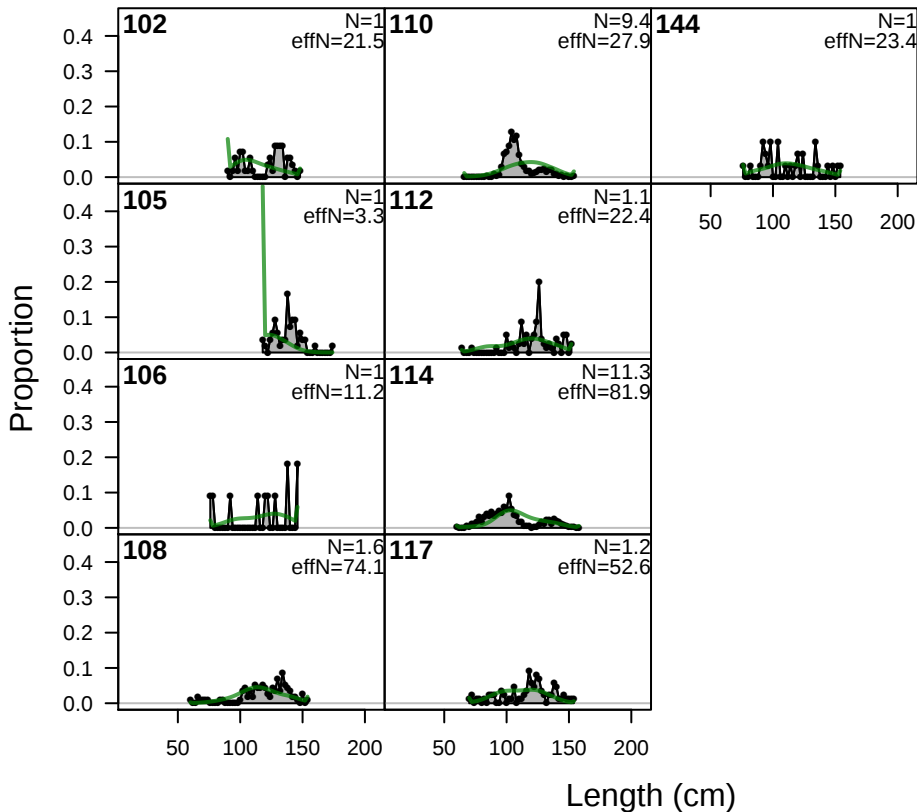
length comps, whole catch, S4-LLt_S_Length



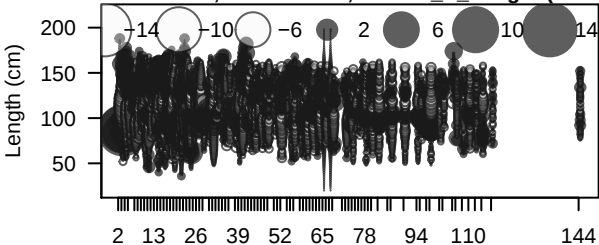
length comps, whole catch, S4-LLt_S_Length



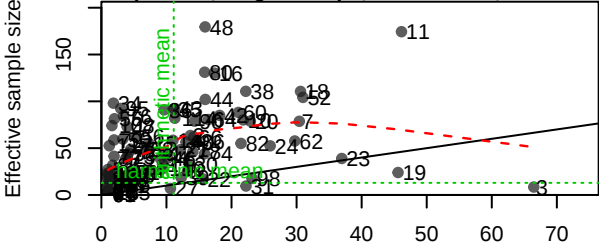
length comps, whole catch, S4-LLt_S_Length



Pearson residuals, whole catch, S4-LLt S Length (max=1:

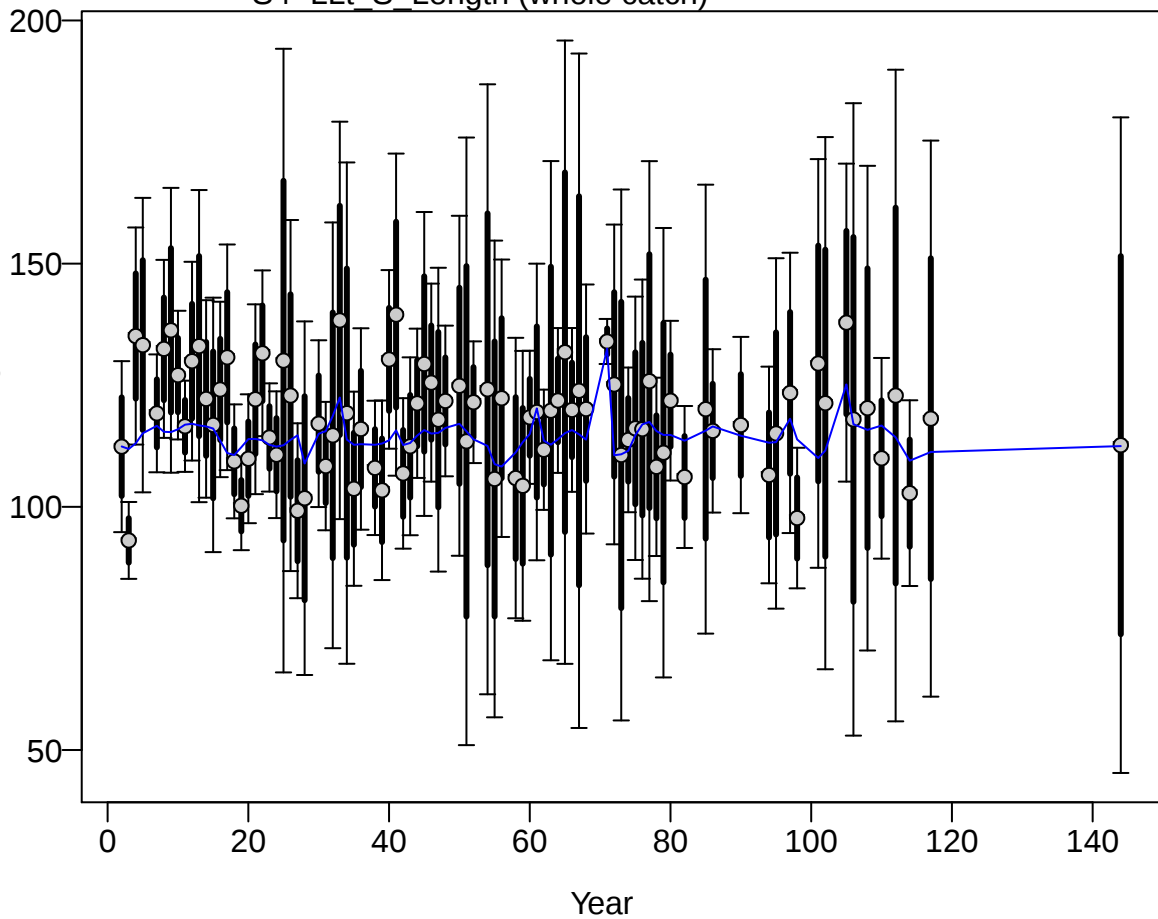


N-Effn comparison, length comps, whole catch, S4-LLt S_L



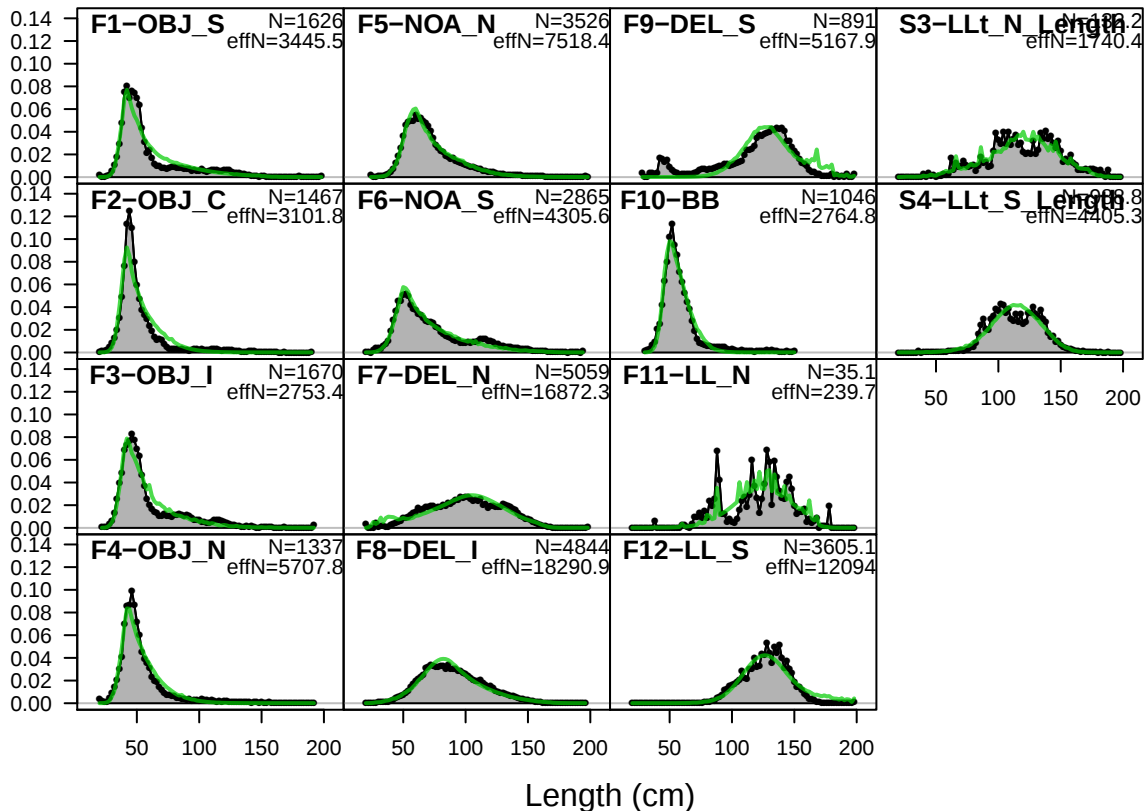
S4-LLt S Length (whole catch)

Mean length

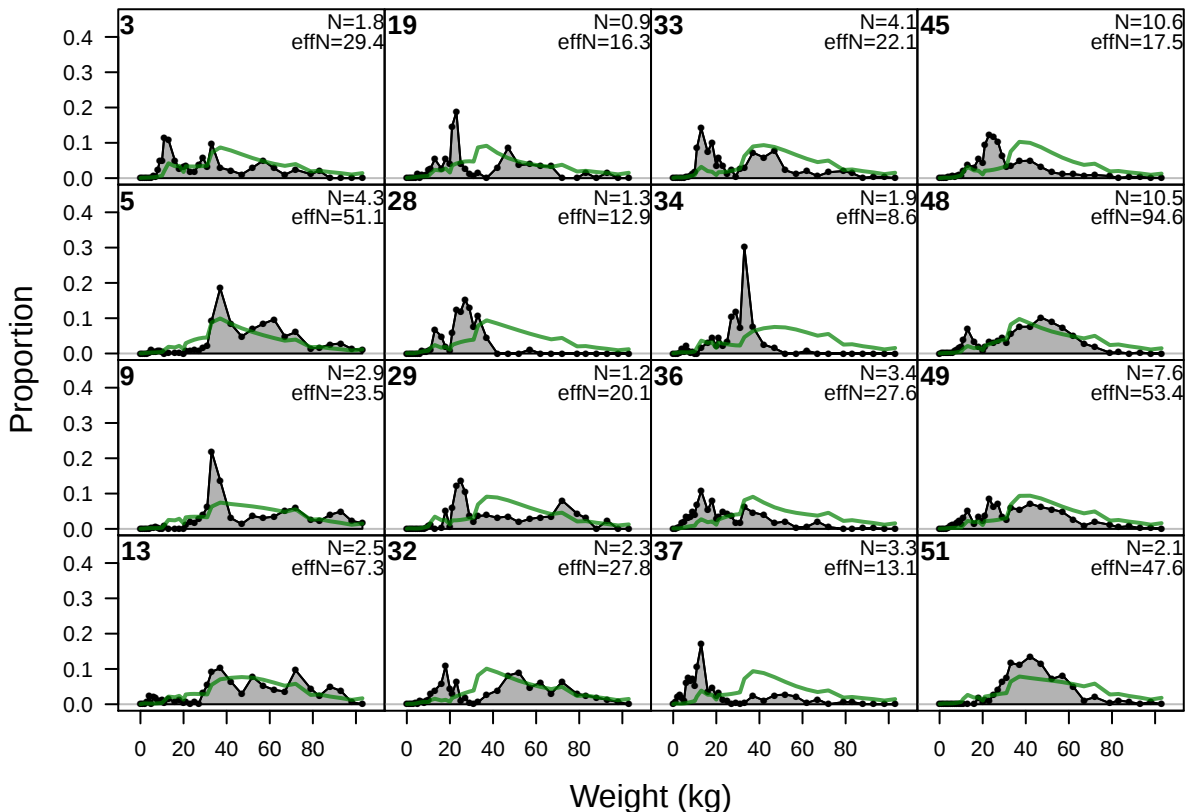


length comps, whole catch, aggregated across time by fleet

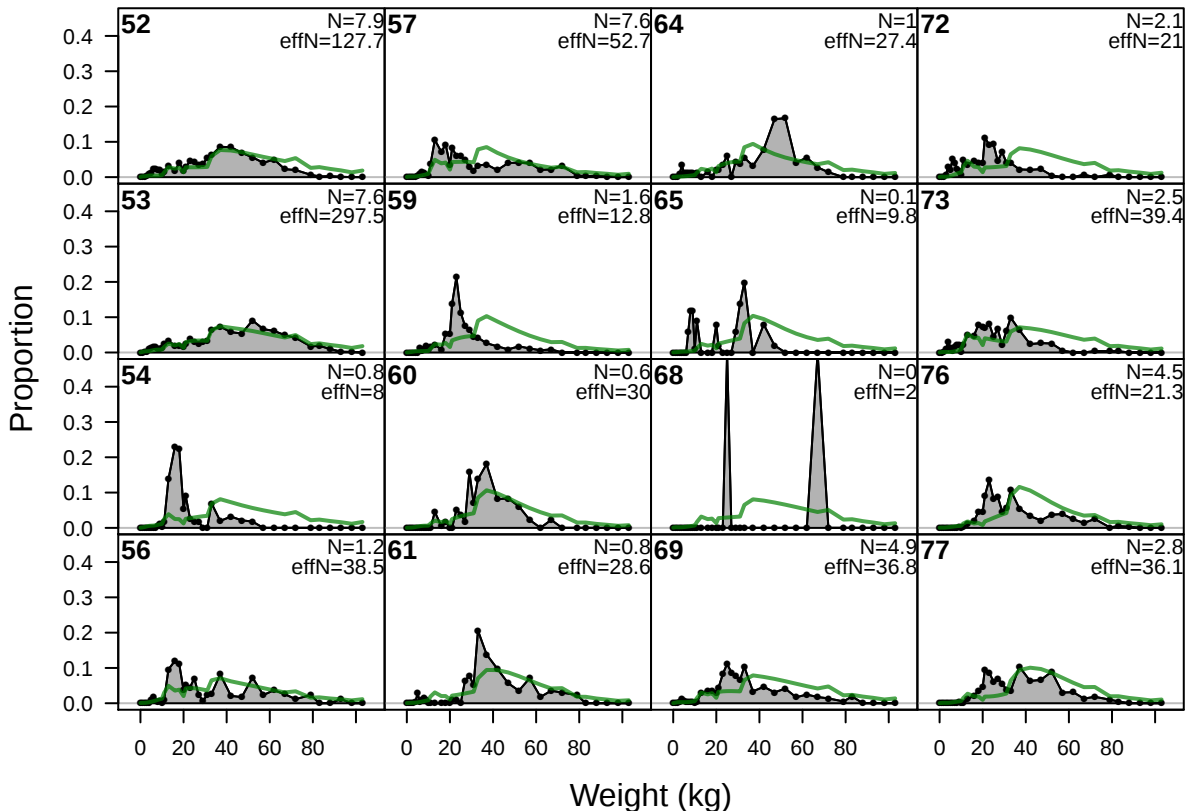
Proportion



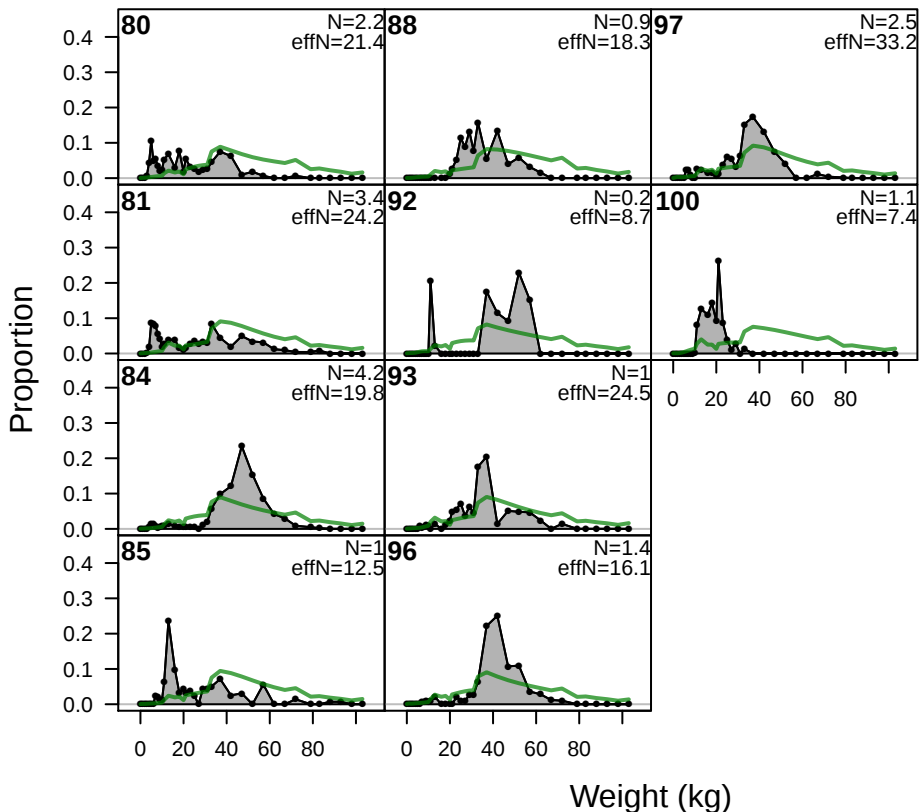
size comps, whole catch, S1-LLc_N_Weight



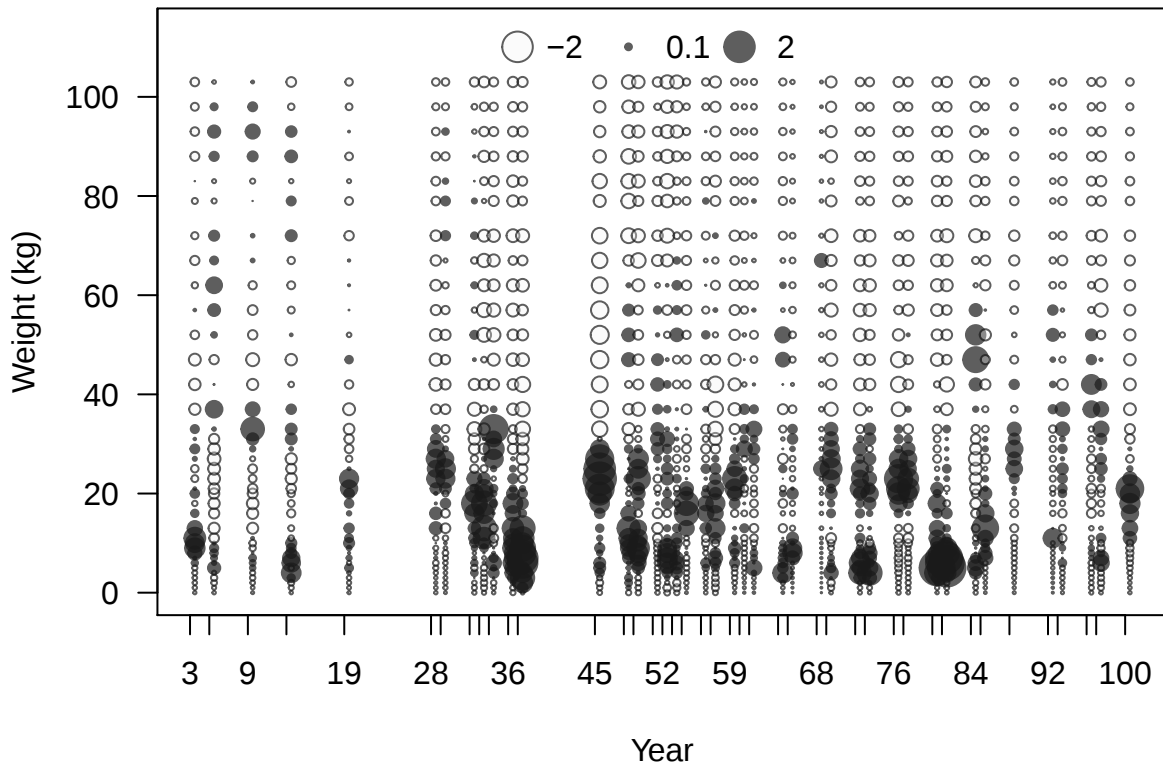
size comps, whole catch, S1-LLc_N_Weight



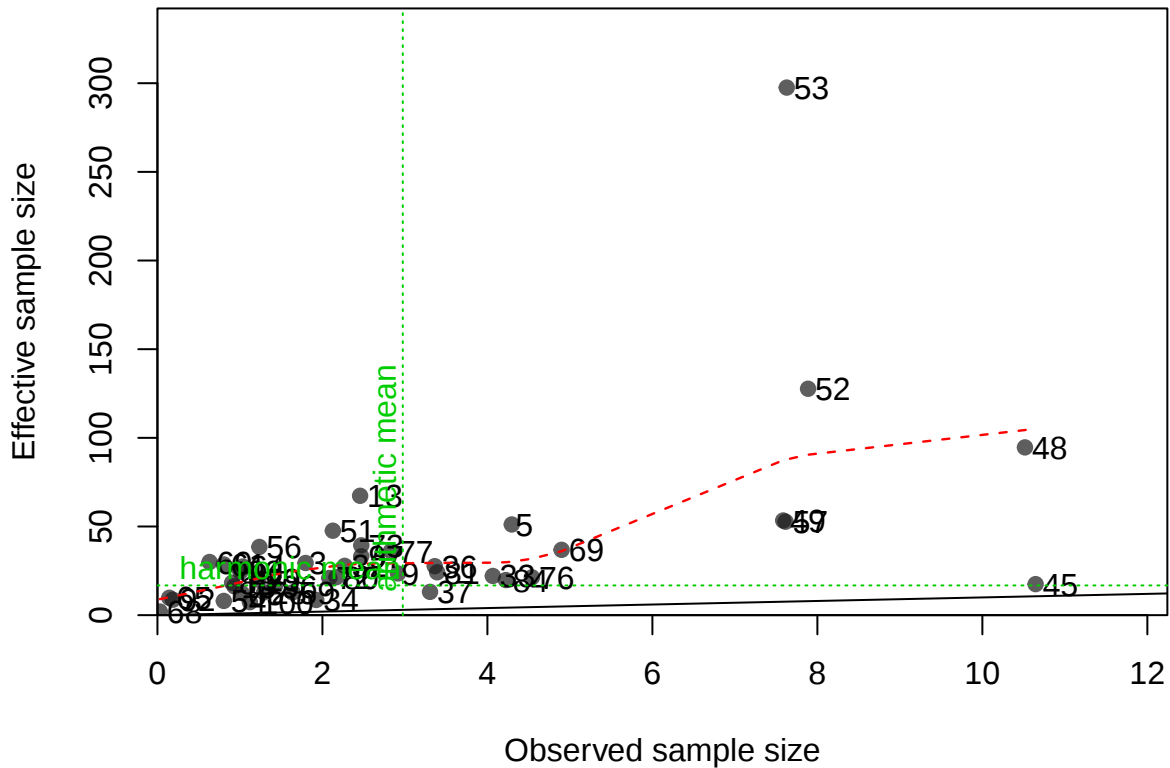
size comps, whole catch, S1-LLc_N_Weight



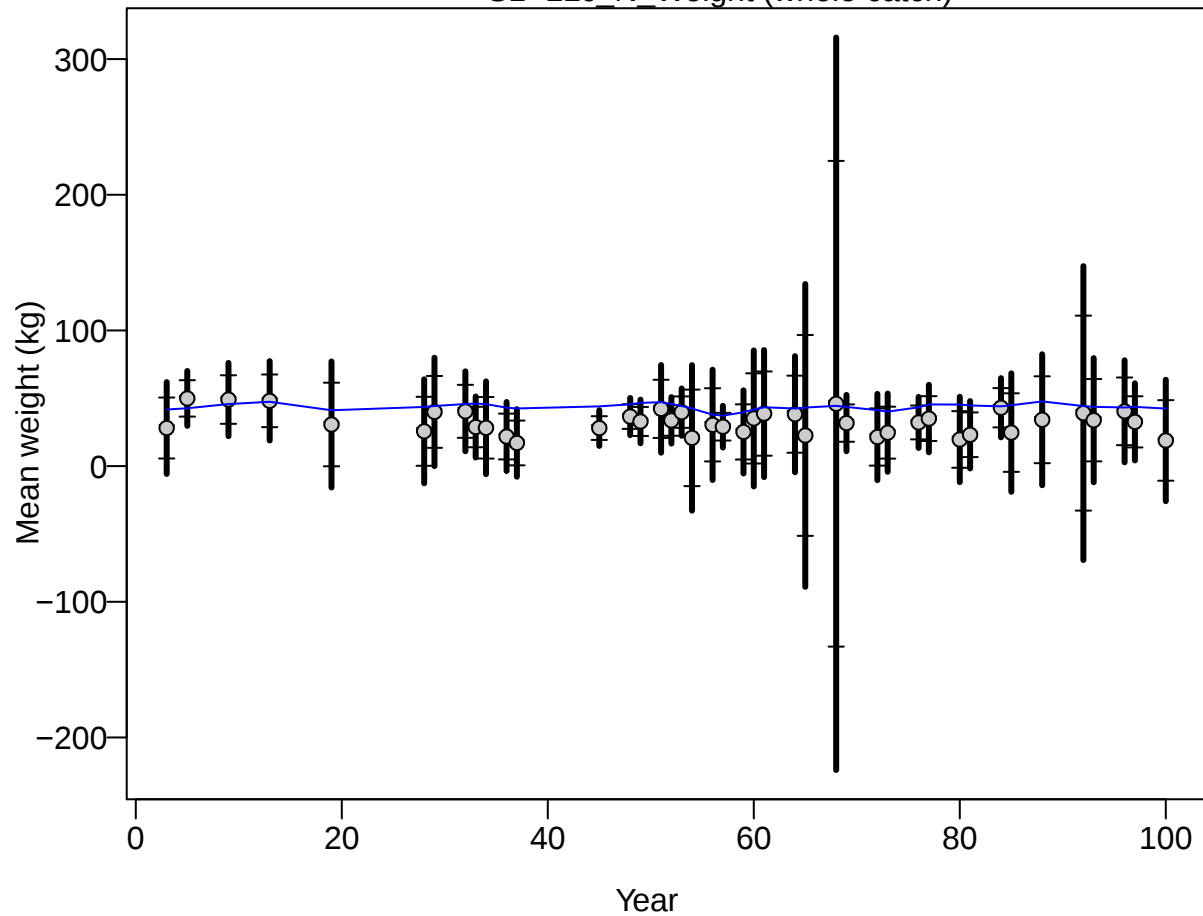
Pearson residuals, whole catch, S1-LLc_N_Weight (max=2.99)



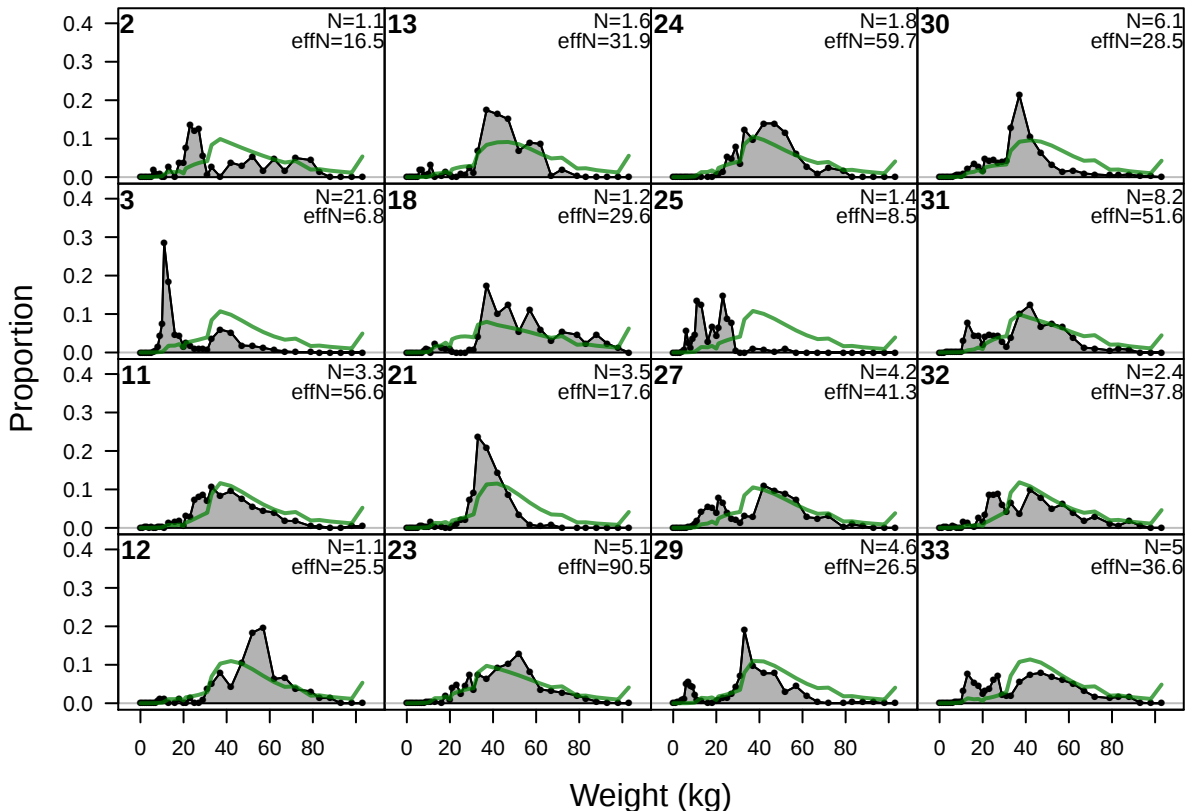
N-EffN comparison, size comps, whole catch, S1-LLc_N_Weight



S1-LLc N Weight (whole catch)

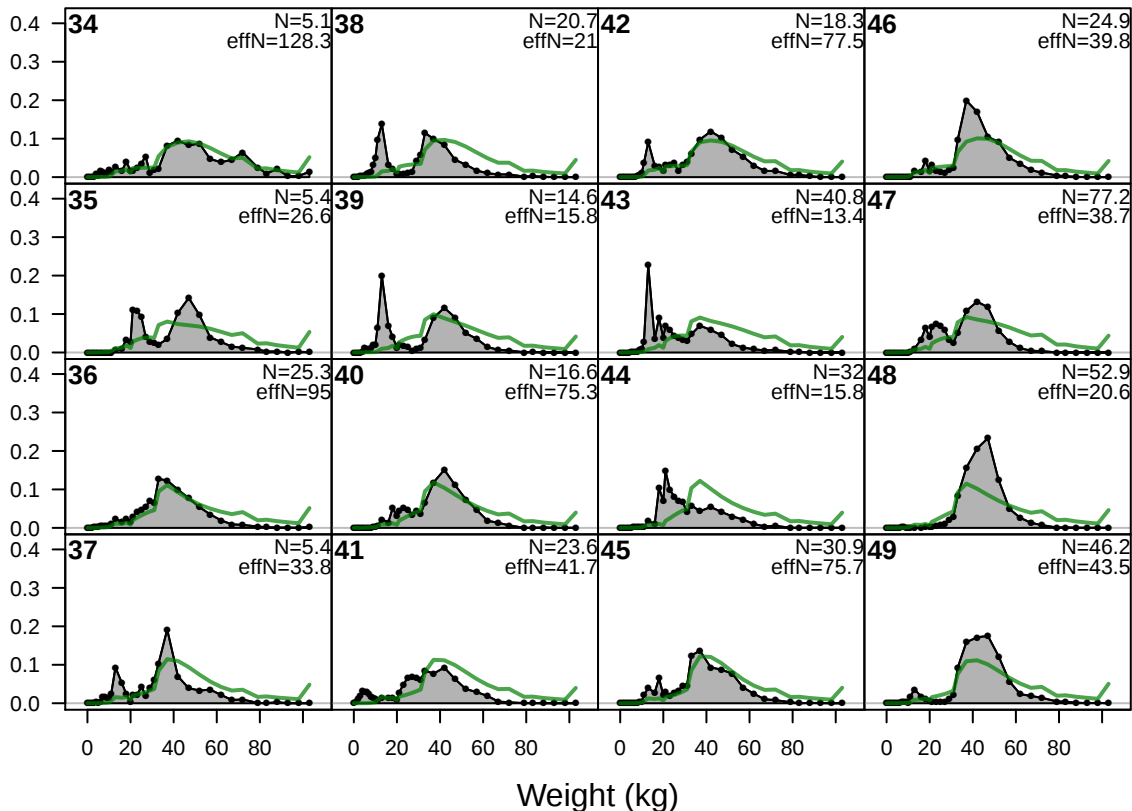


size comps, whole catch, S2-LLc_S_Weight

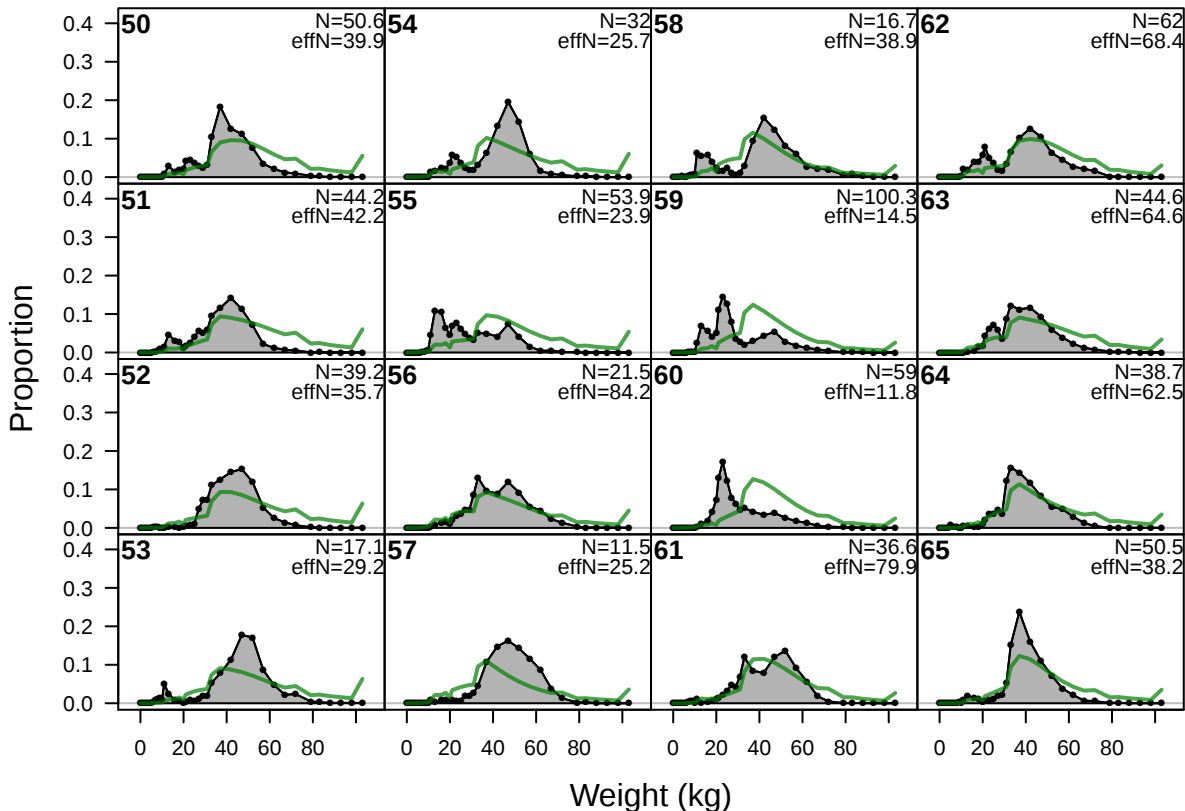


size comps, whole catch, S2-LLc_S_Weight

Proportion

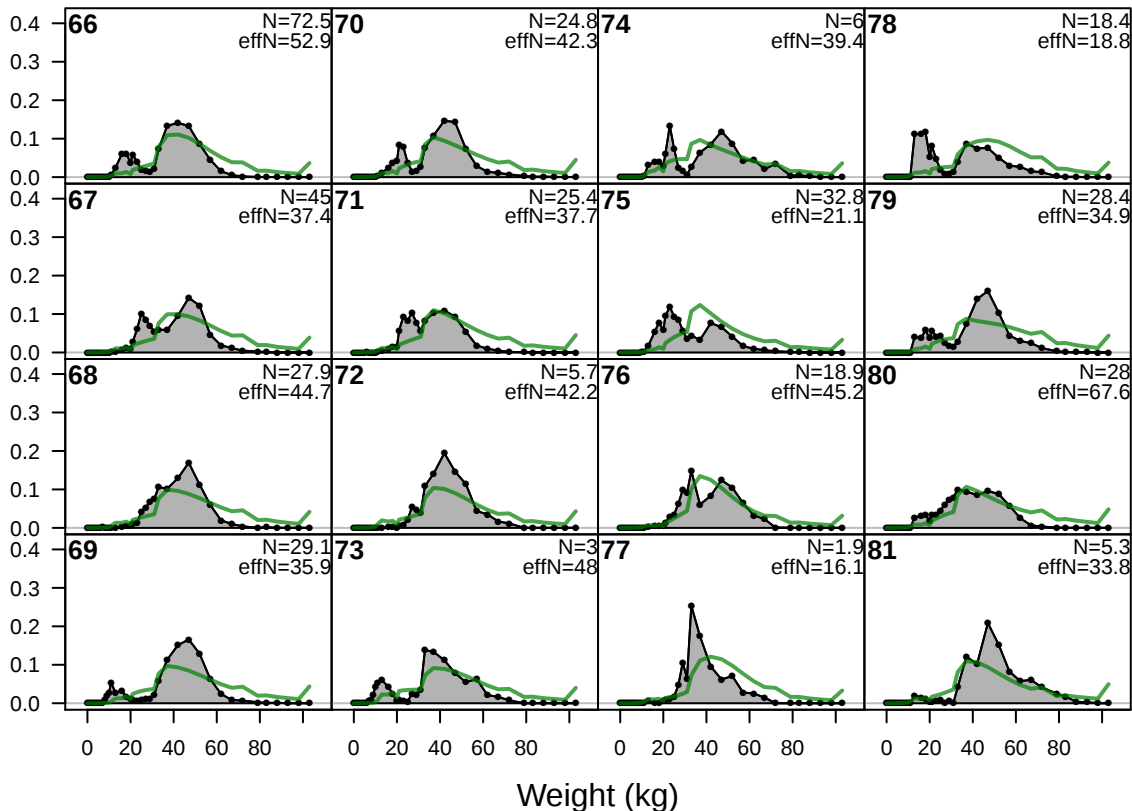


size comps, whole catch, S2-LLc_S_Weight

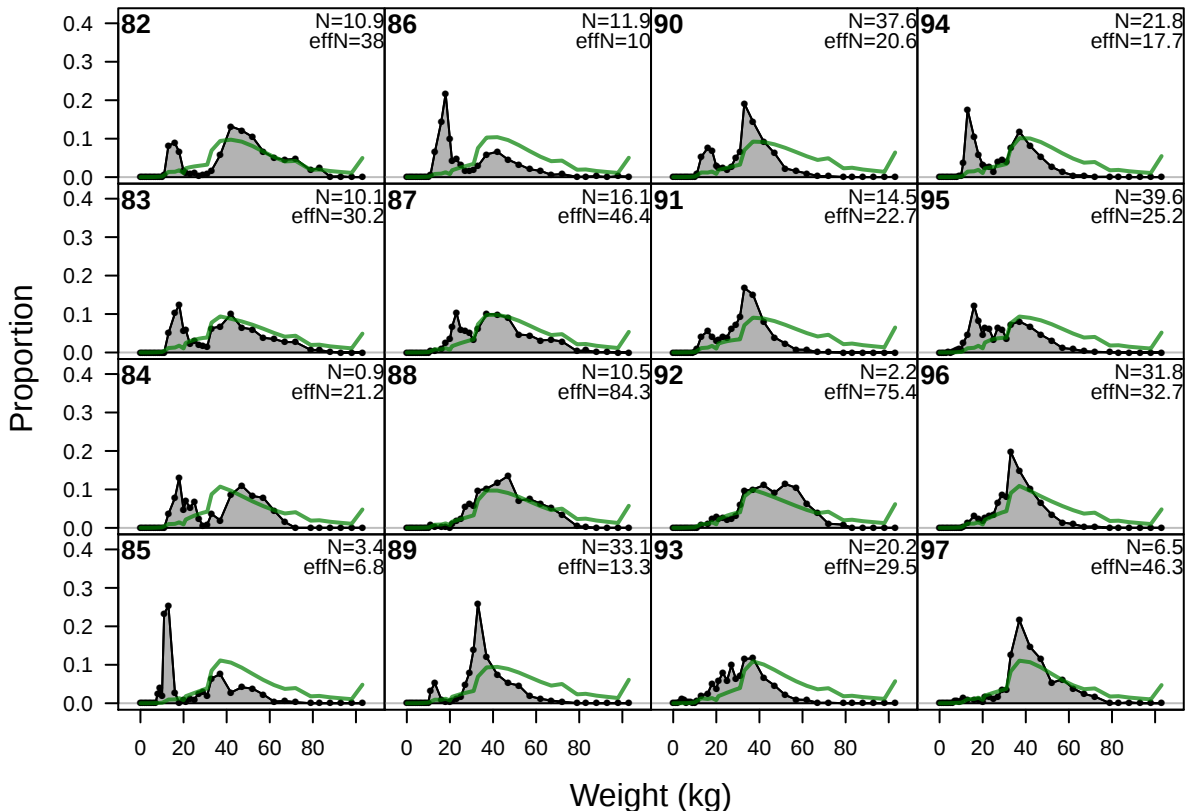


size comps, whole catch, S2-LLc_S_Weight

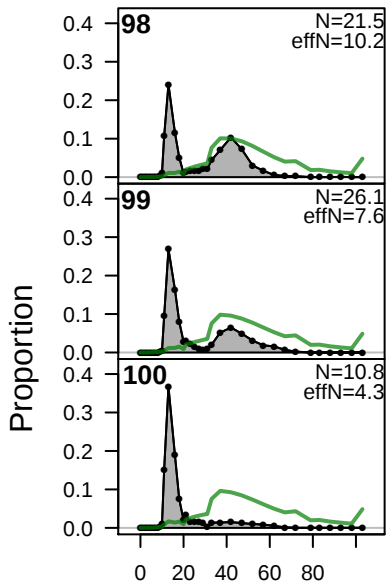
Proportion



size comps, whole catch, S2-LLc_S_Weight

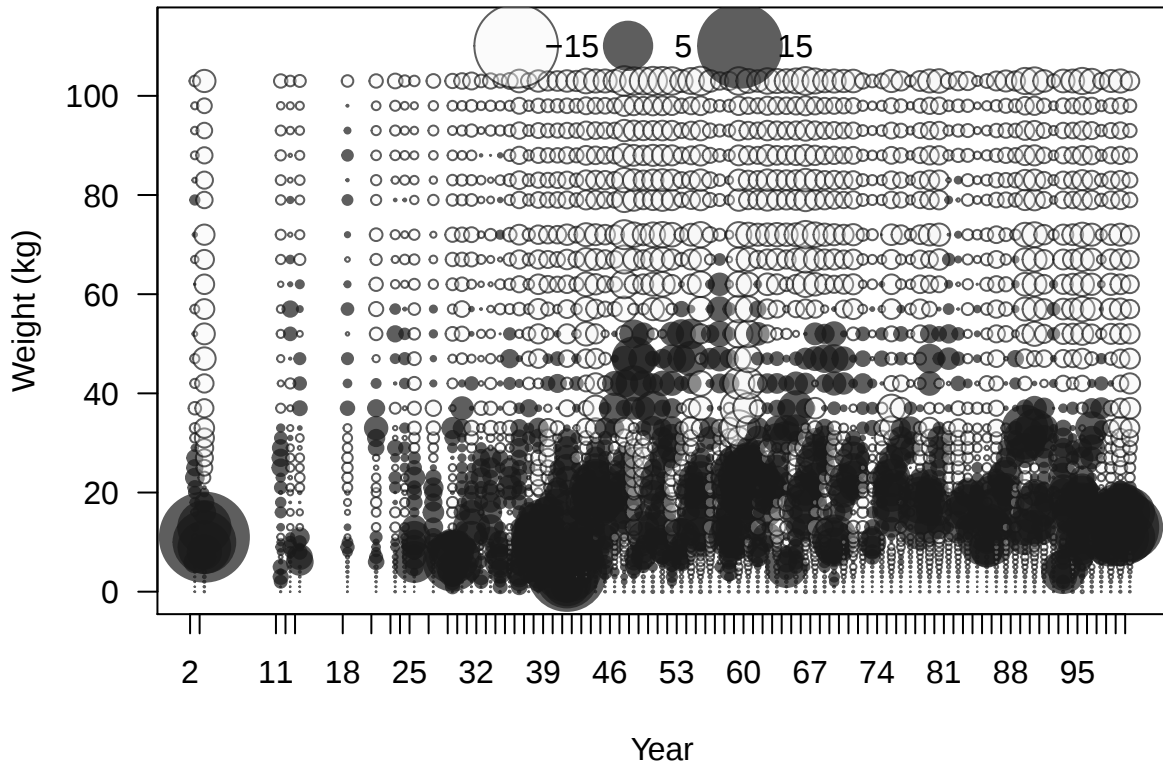


size comps, whole catch, S2-LLc_S_Weight

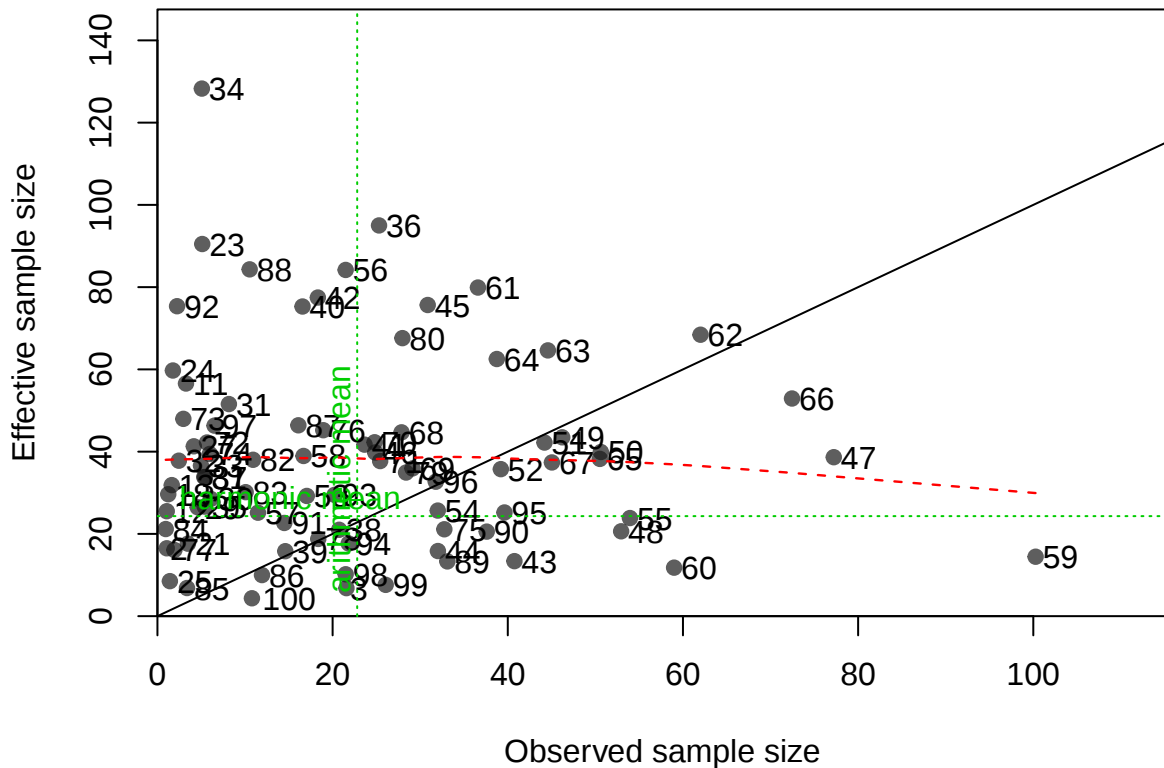


Weight (kg)

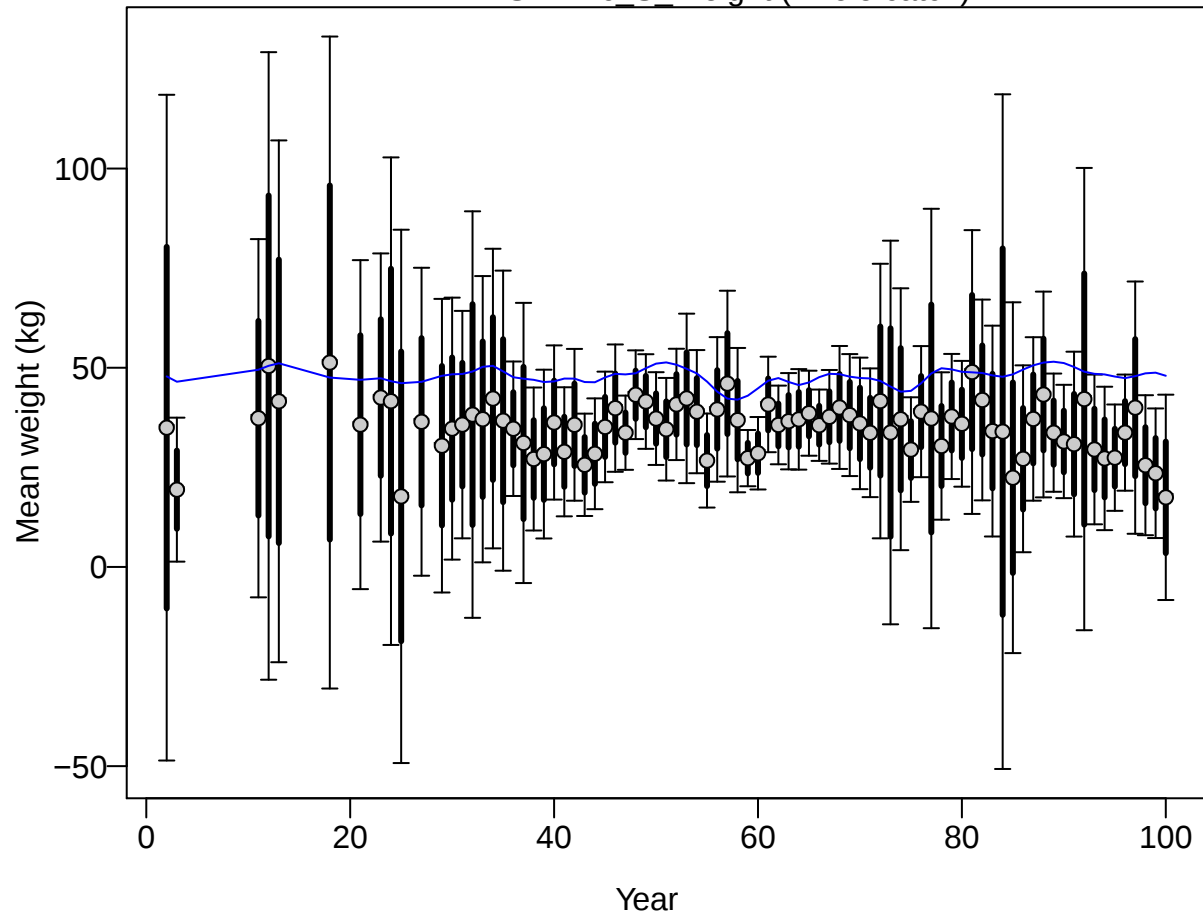
Pearson residuals, whole catch, S2-LLc_S_Weight (max=16.97)



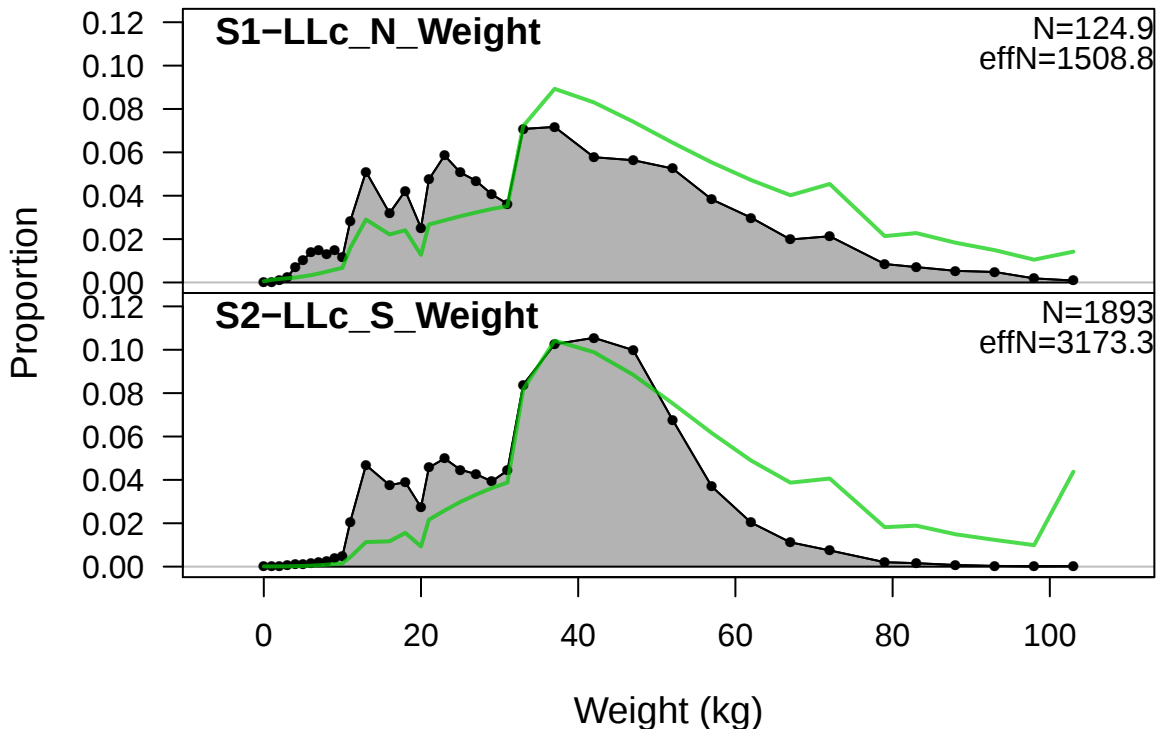
N-EffN comparison, size comps, whole catch, S2-LLc_S_Weight



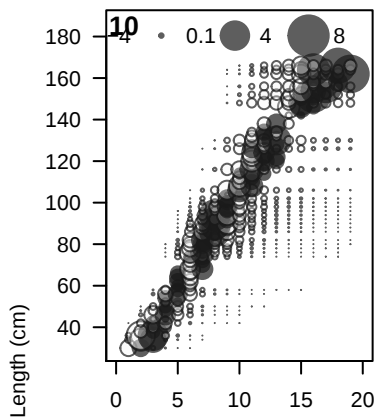
S2-LLc S_Weight (whole catch)



size comps, whole catch, aggregated across time by fleet

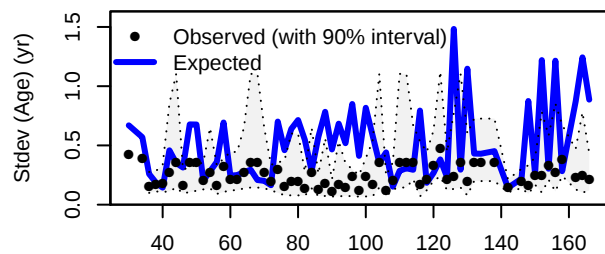
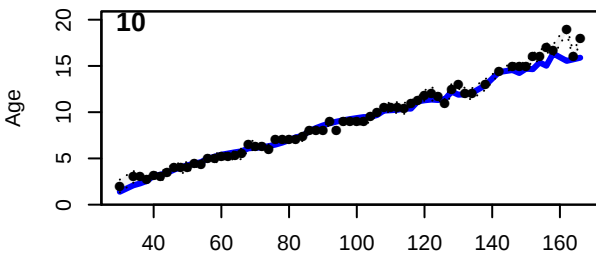


Pearson residuals, whole catch, F5-NOA_N (max=6.58)

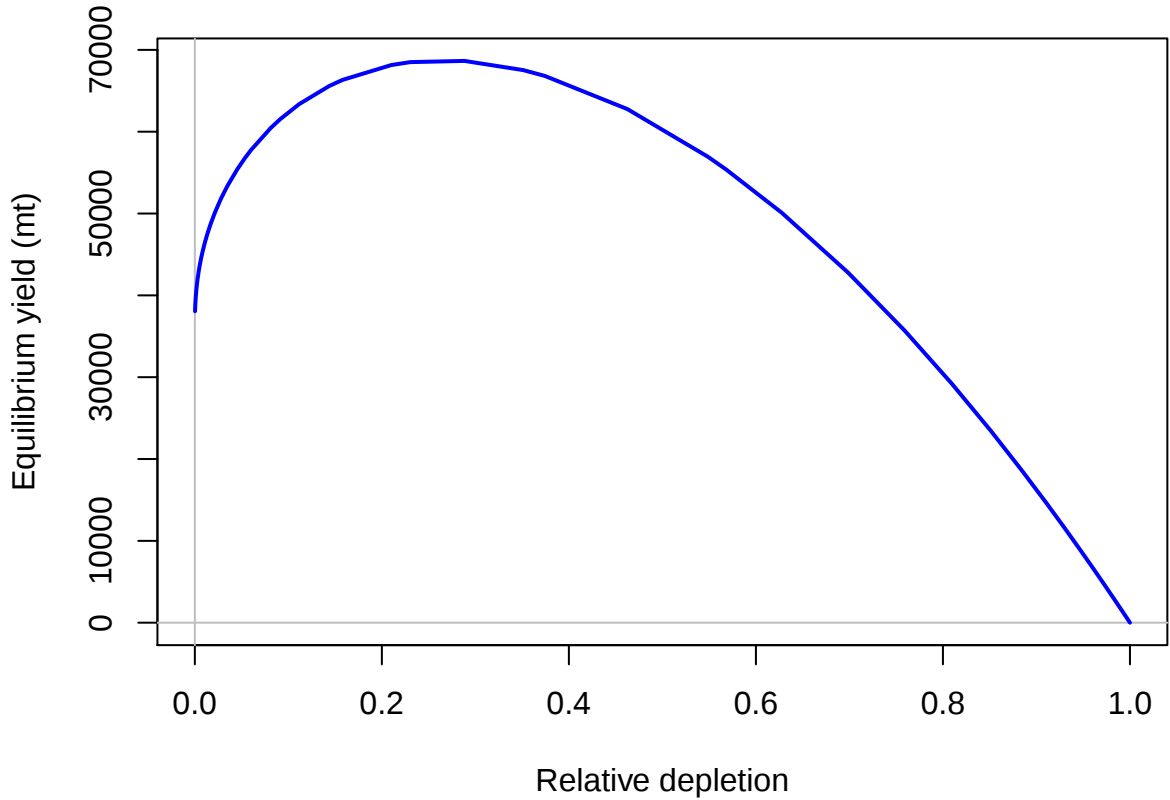


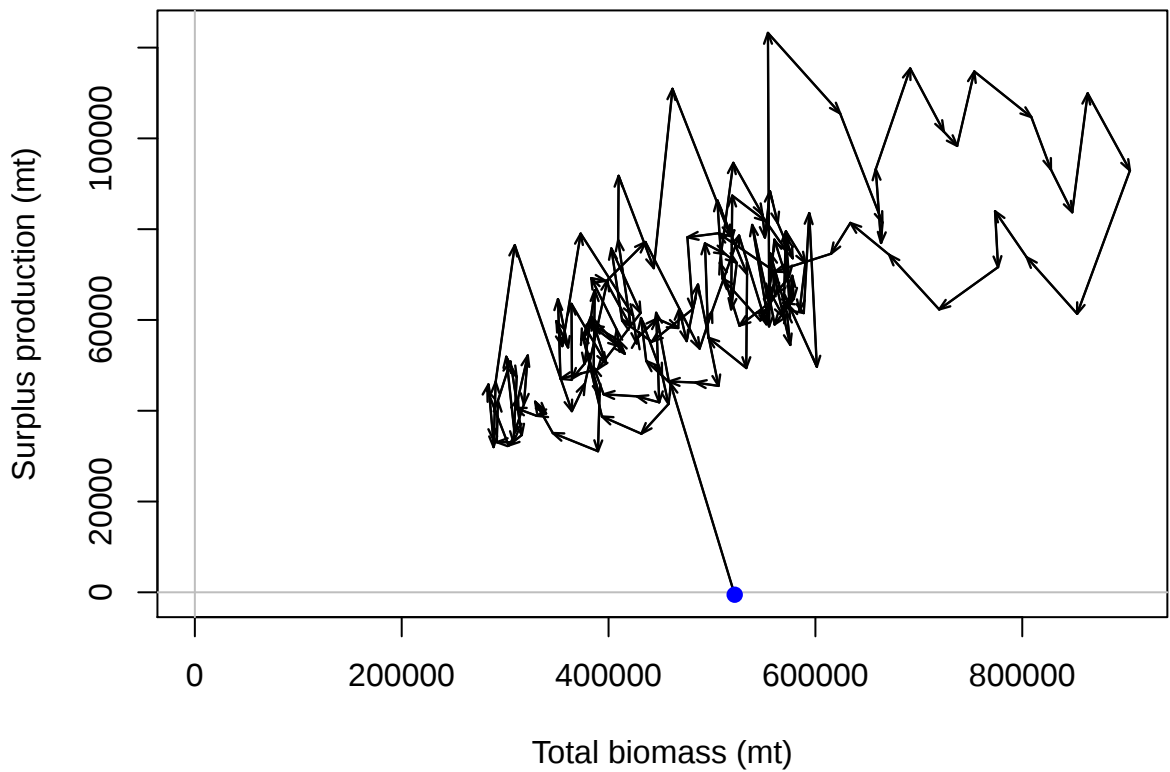
Age (yr)

Conditional AAL plot, whole catch, F5-NOA_N

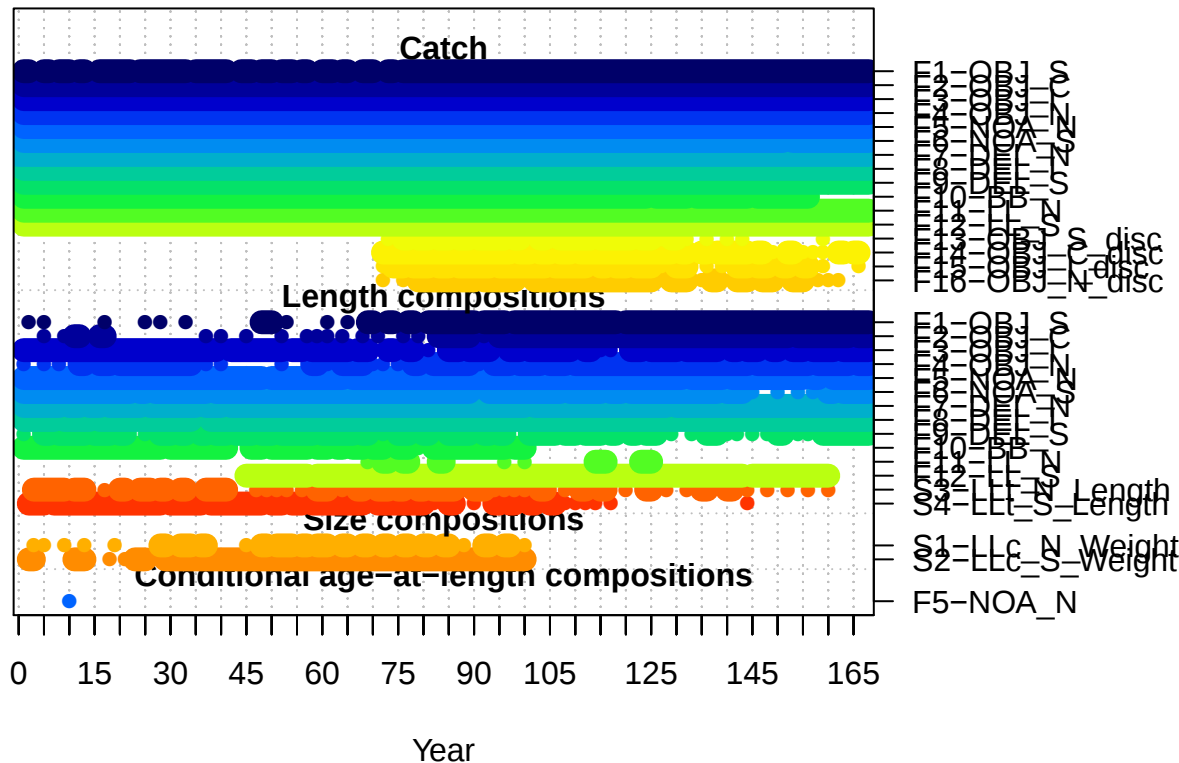


Length (cm)





Data by type and year



data by type and year, circle area is relative to precision within data type

