

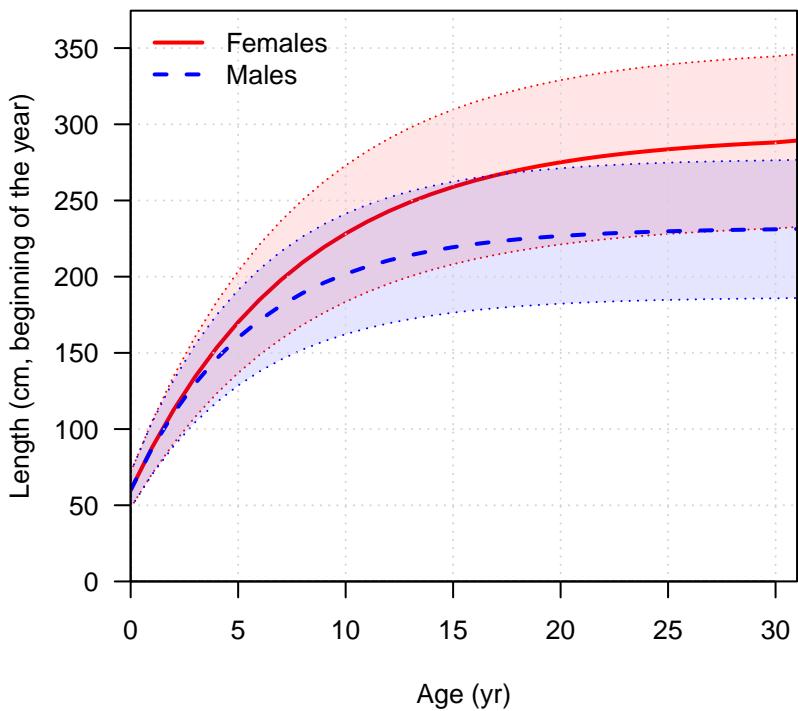
Plots created using the 'r4ss' package in R

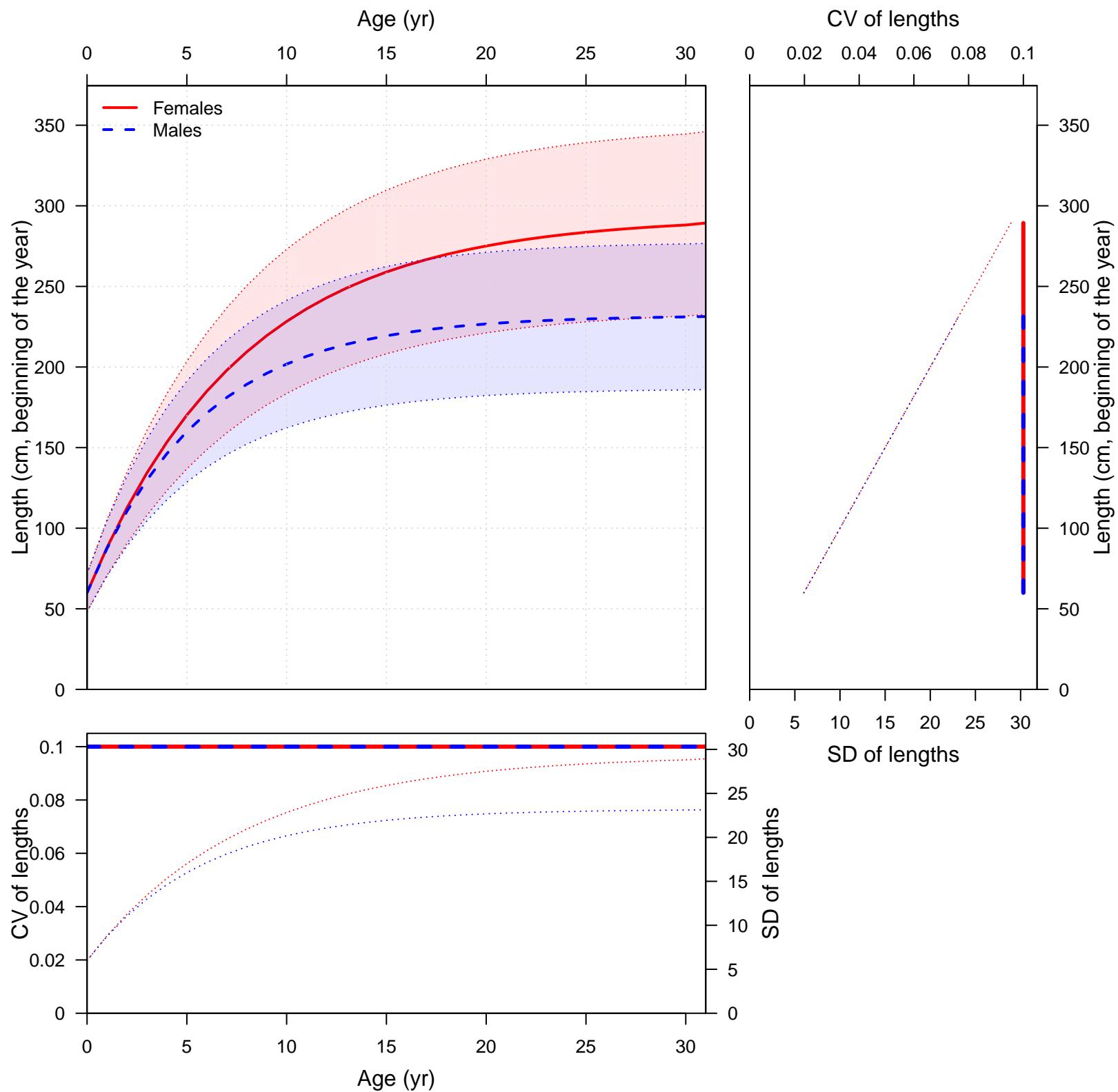
Stock Synthesis version: SS-V3.24U

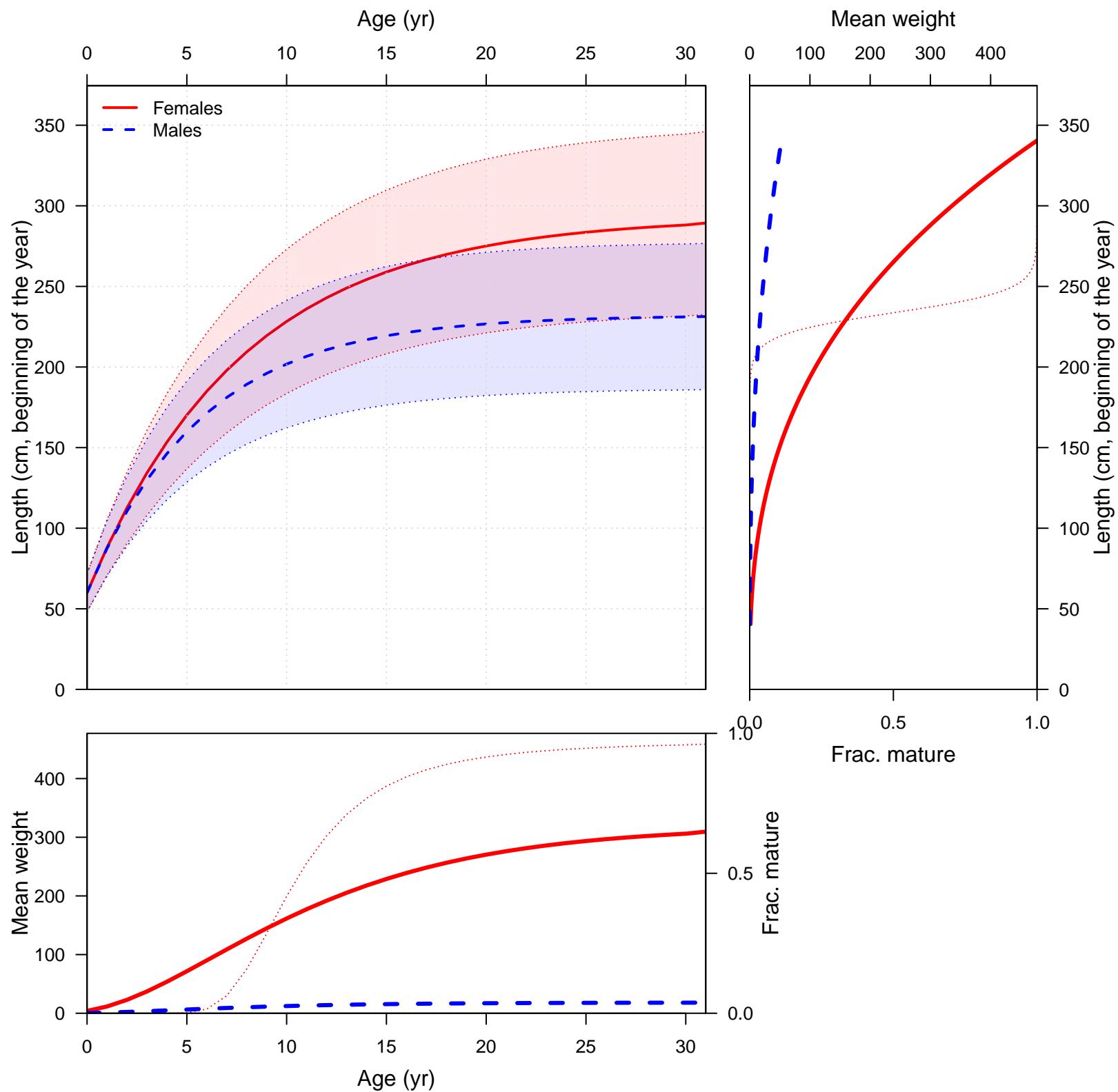
Data_File: DATA.ss

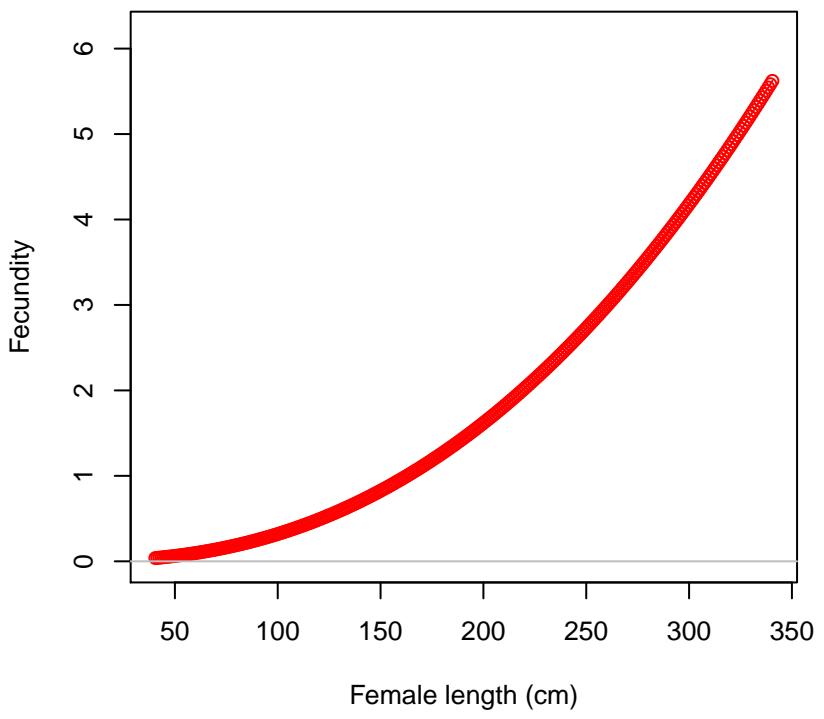
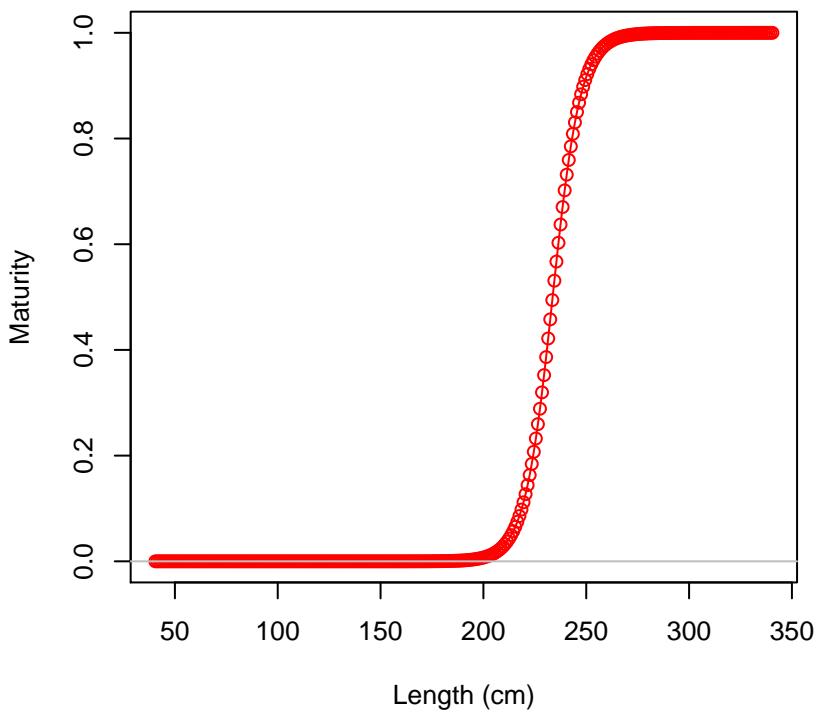
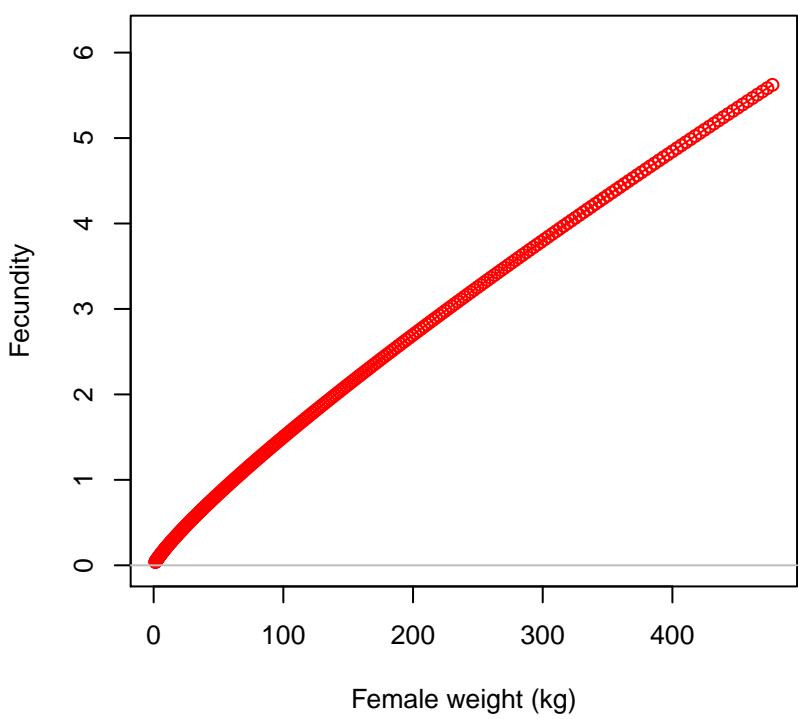
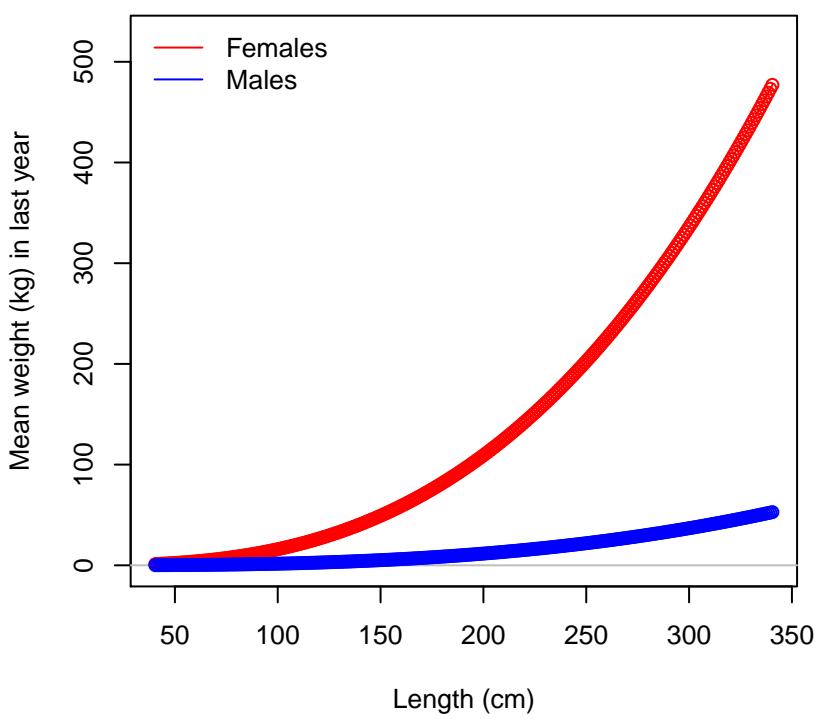
Control_File: CONTROL.ss

Ending year expected growth (with 95% intervals)

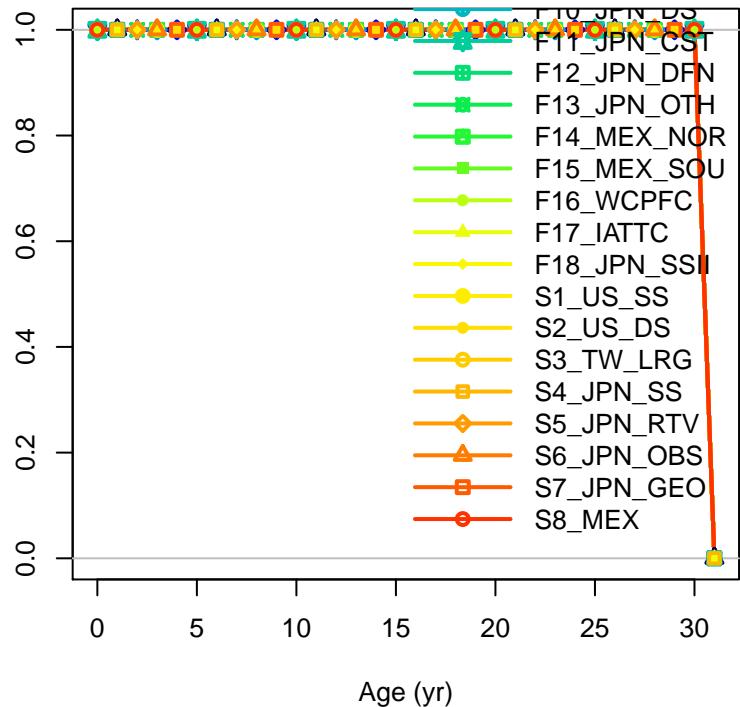




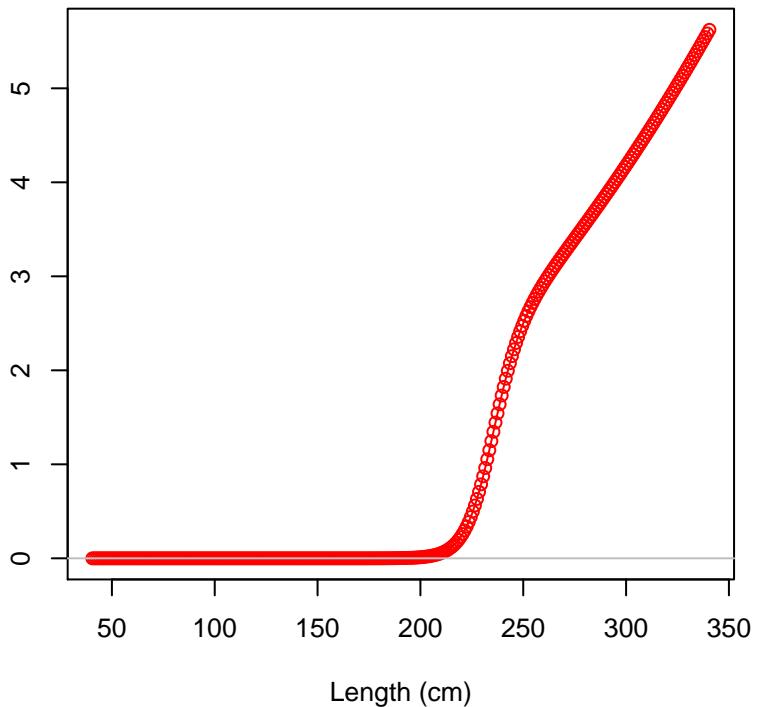




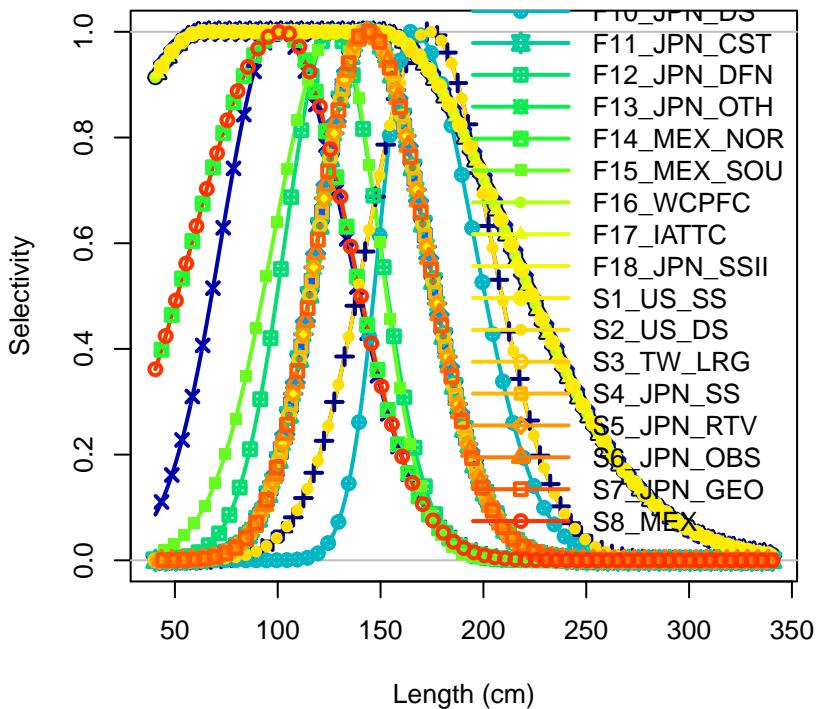
Age-based selectivity by fleet in 2016



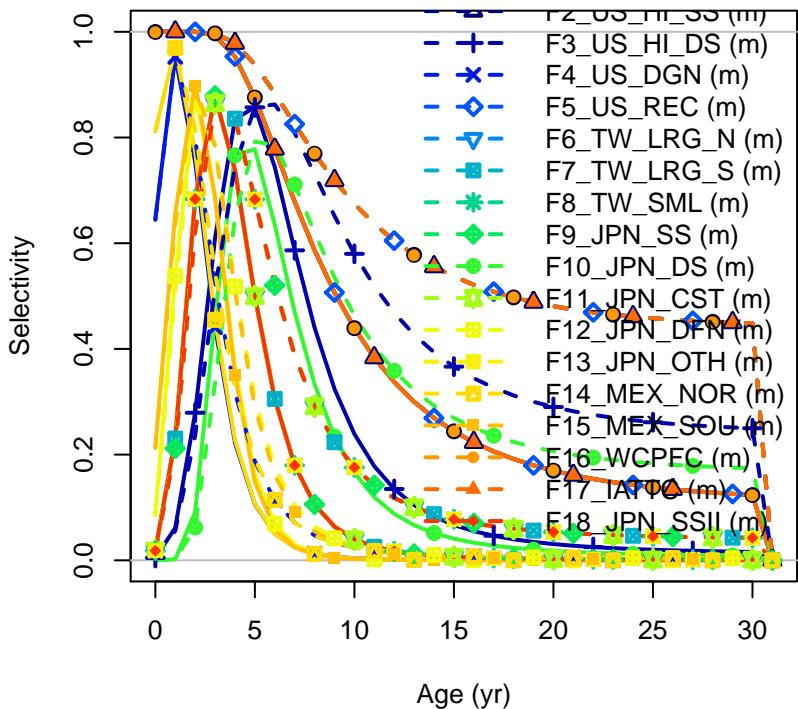
Spawning output



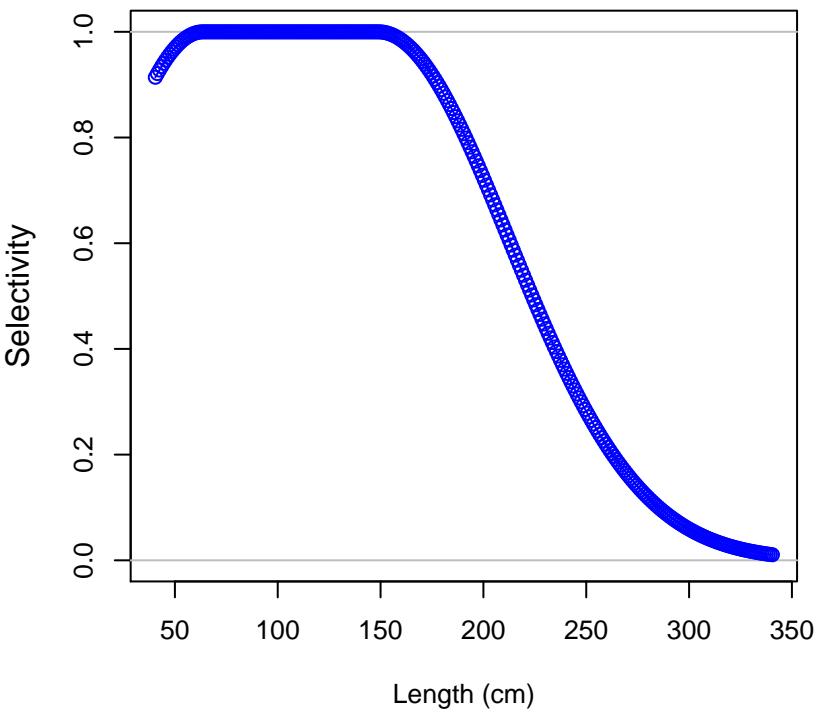
Length-based selectivity by fleet in 2016



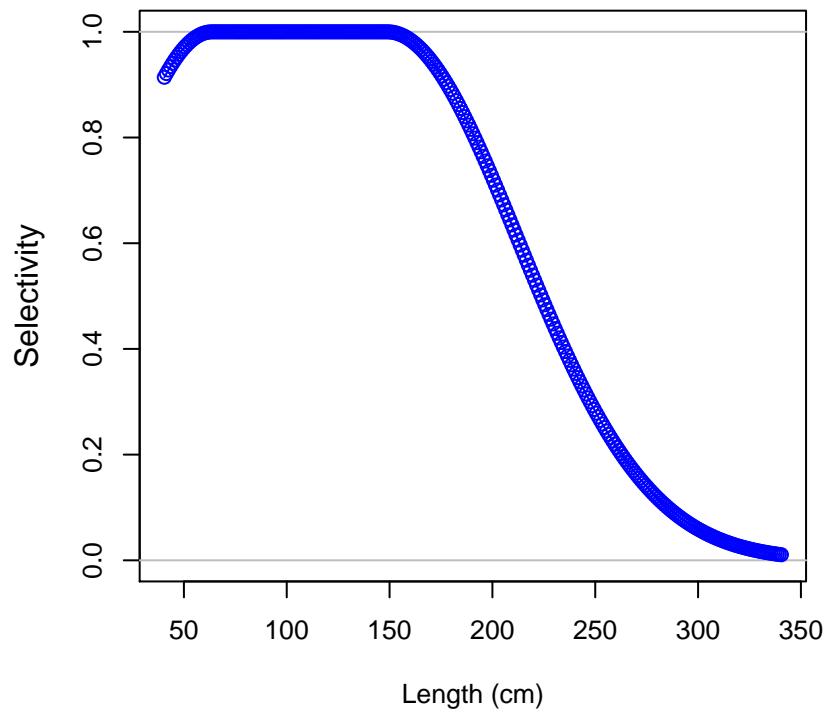
Derived age-based from length-based selectivity by fleet in 2016



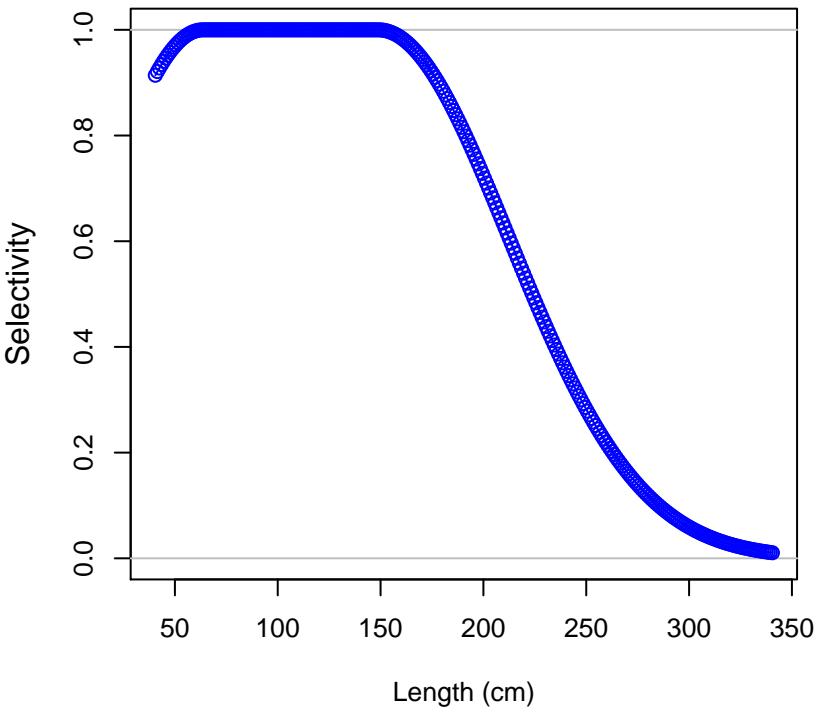
Female ending year selectivity for F1_US_CA



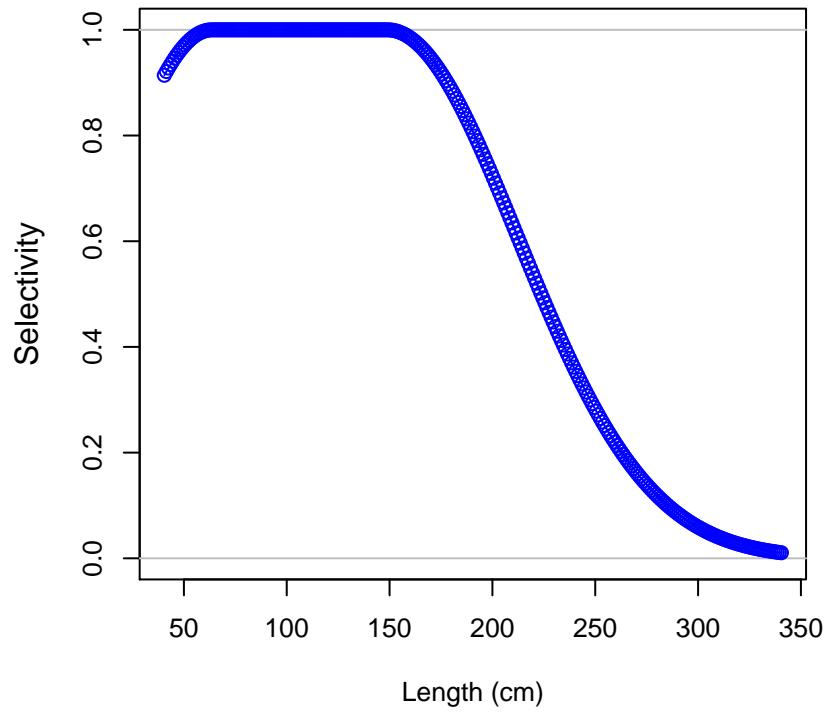
Female ending year selectivity for F2_US_HI_SS



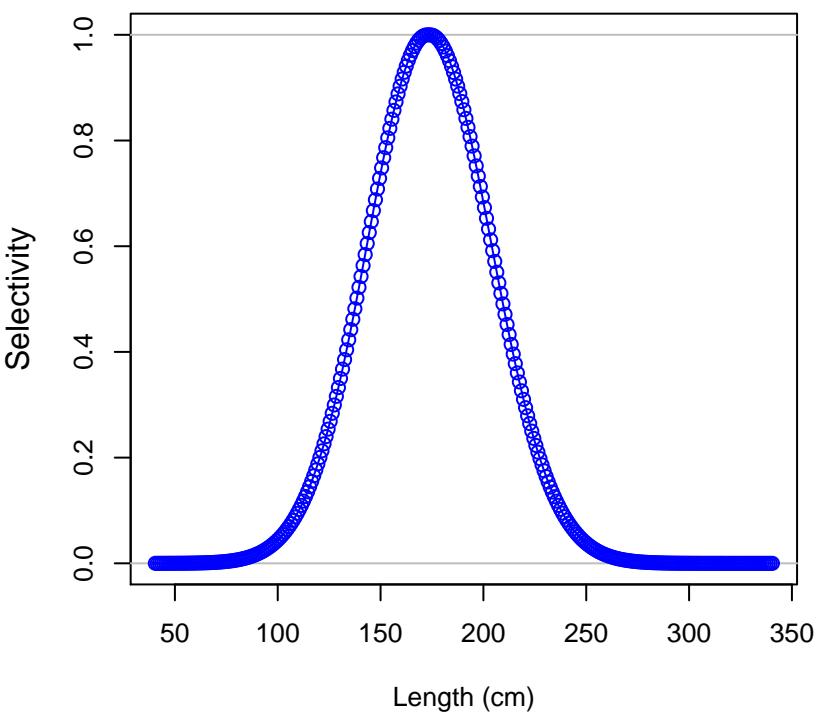
Male ending year selectivity for F1_US_CA



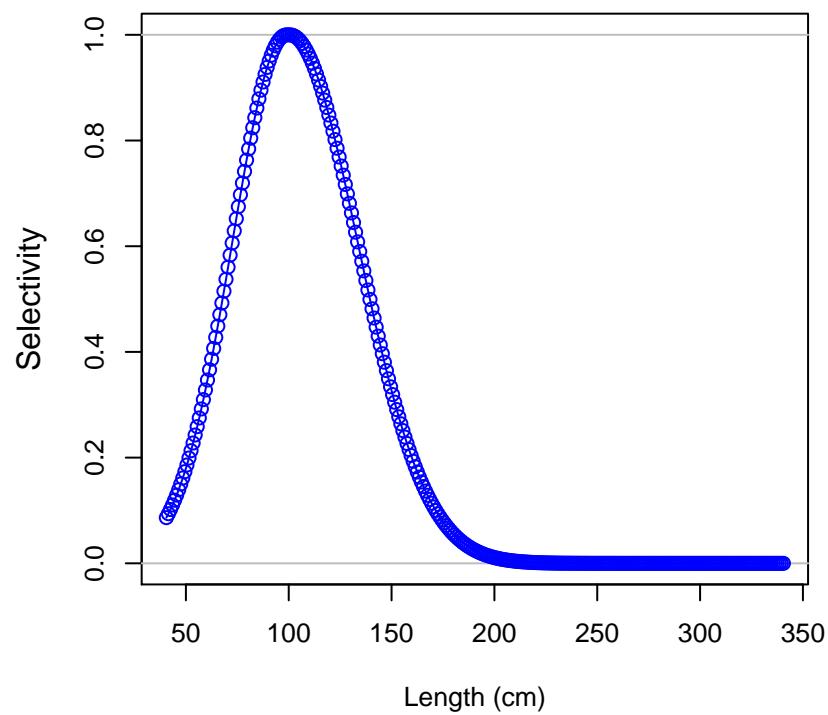
Male ending year selectivity for F2_US_HI_SS



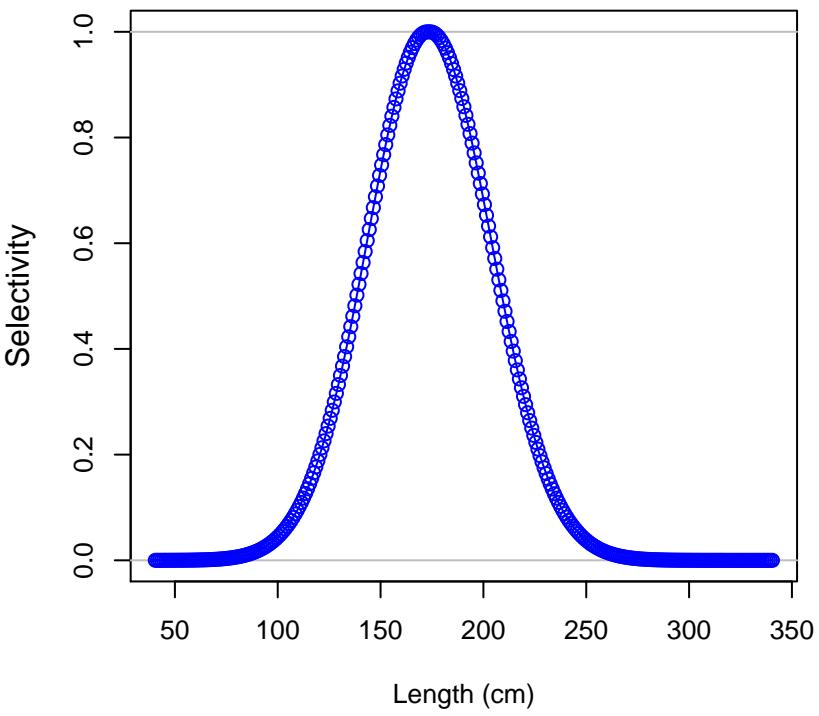
Female ending year selectivity for F3_US_HI_DS



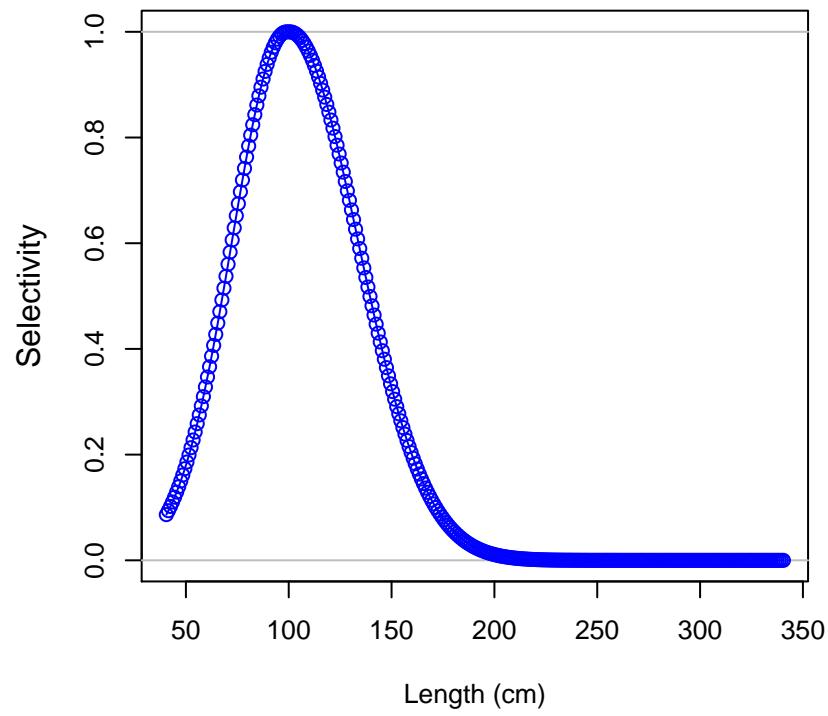
Female ending year selectivity for F4_US_DGN



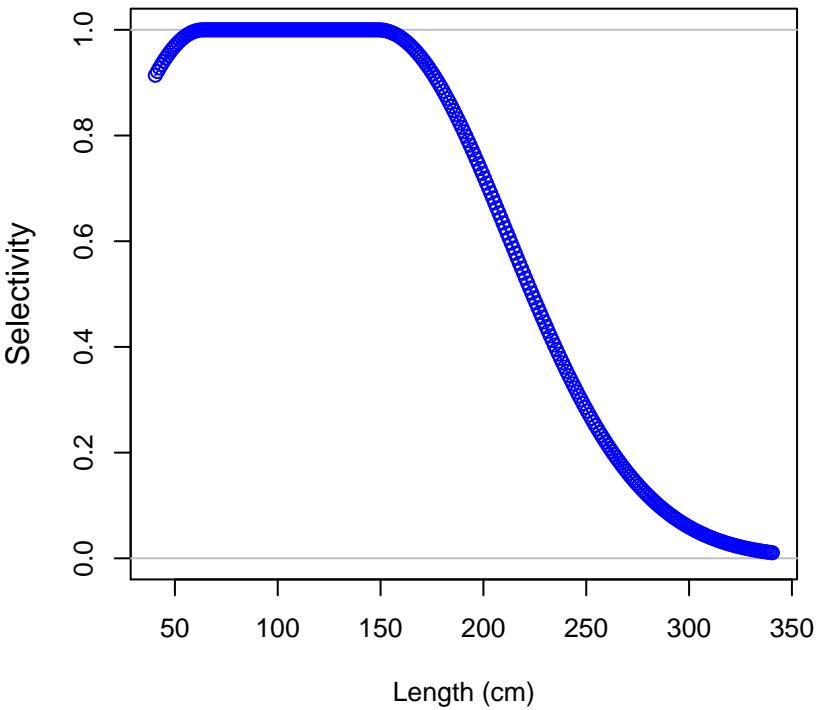
Male ending year selectivity for F3_US_HI_DS



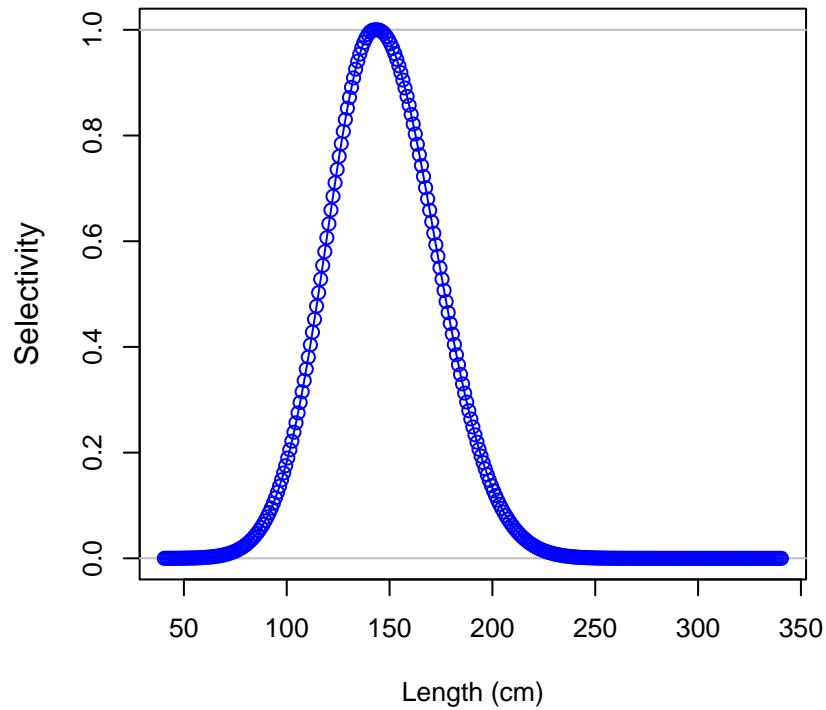
Male ending year selectivity for F4_US_DGN



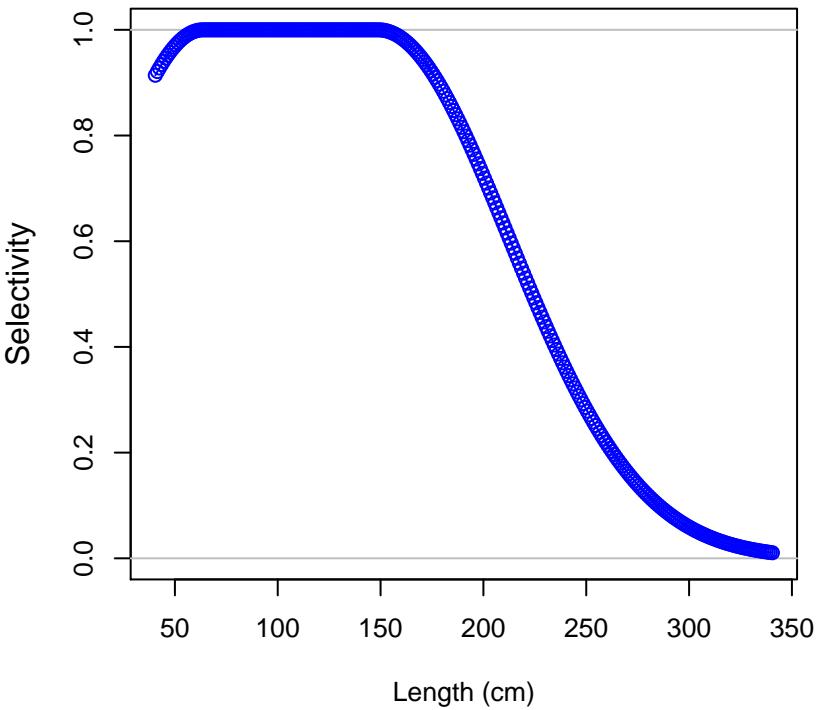
Female ending year selectivity for F5_US_REC



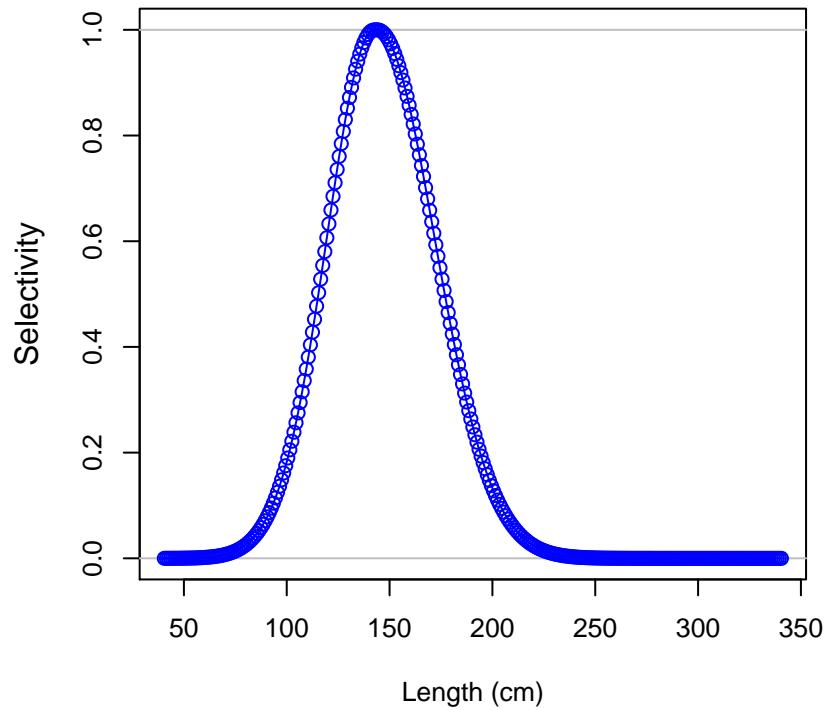
Female ending year selectivity for F6_TW_LRG_N



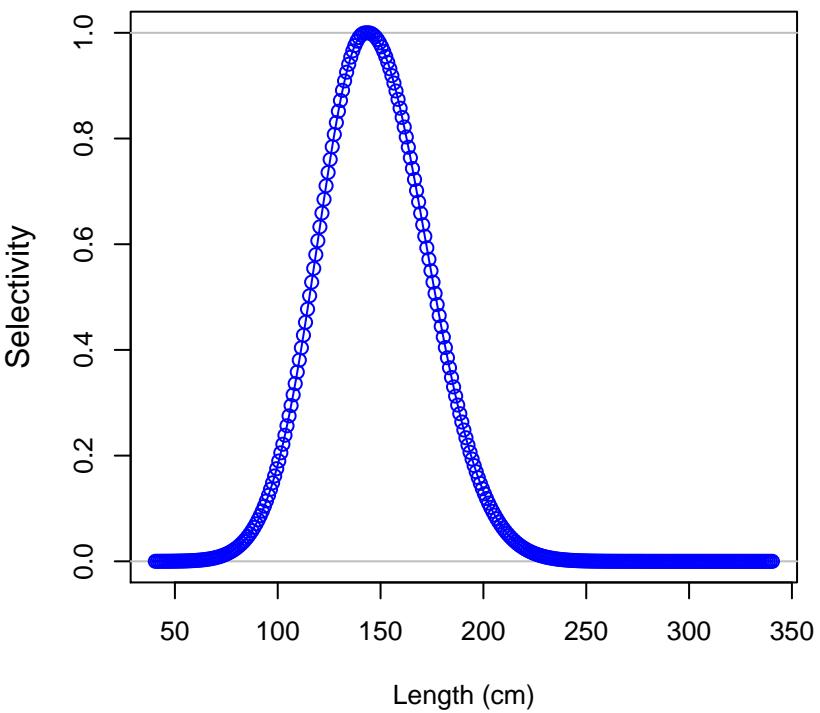
Male ending year selectivity for F5_US_REC



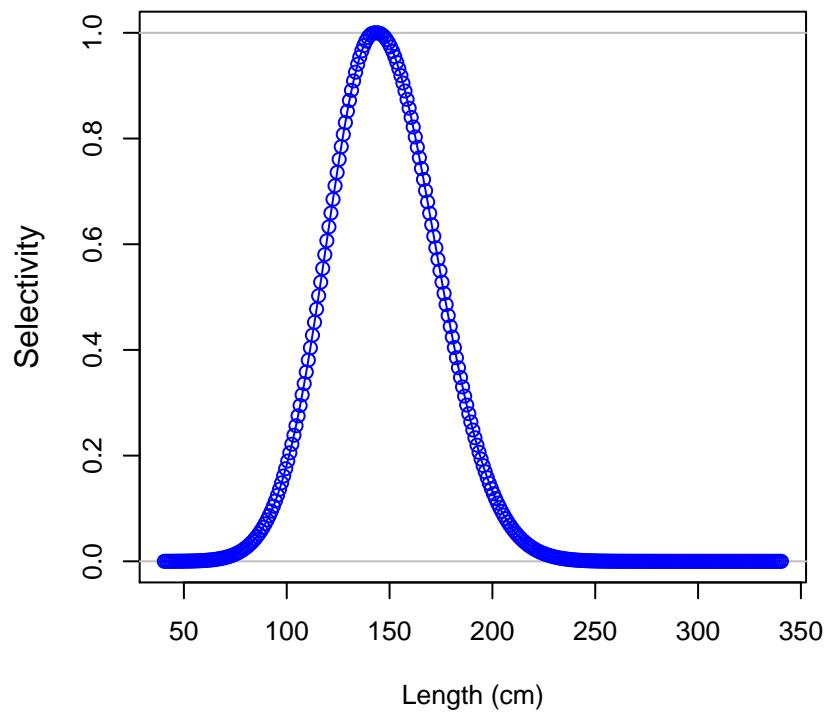
Male ending year selectivity for F6_TW_LRG_N



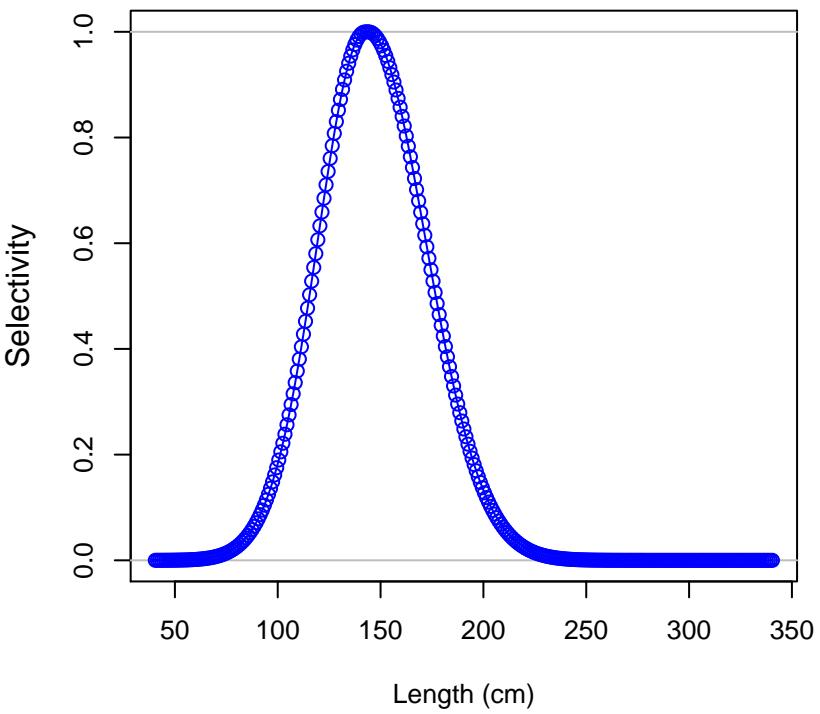
Female ending year selectivity for F7_TW_LRG_S



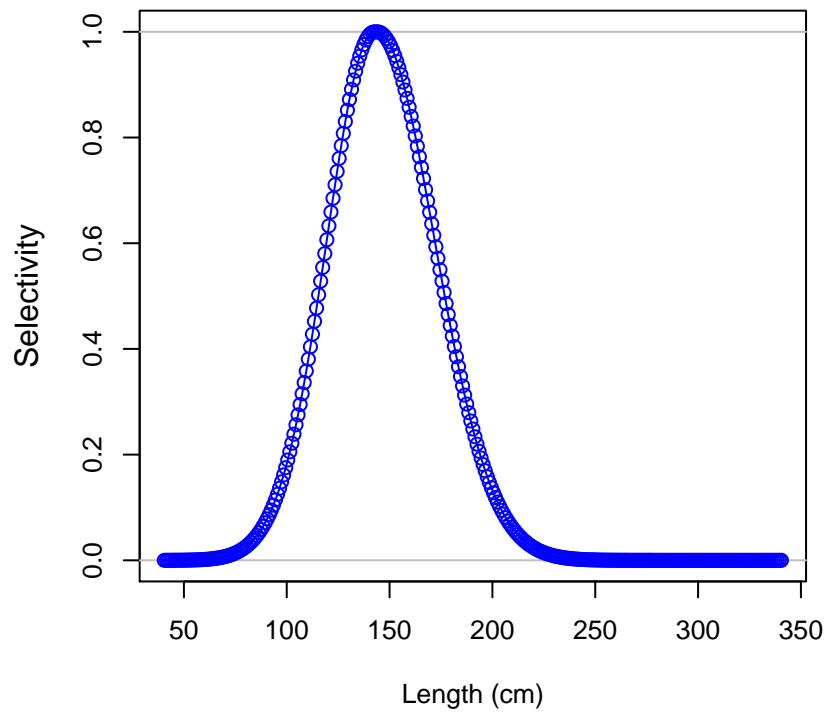
Female ending year selectivity for F8_TW_SML



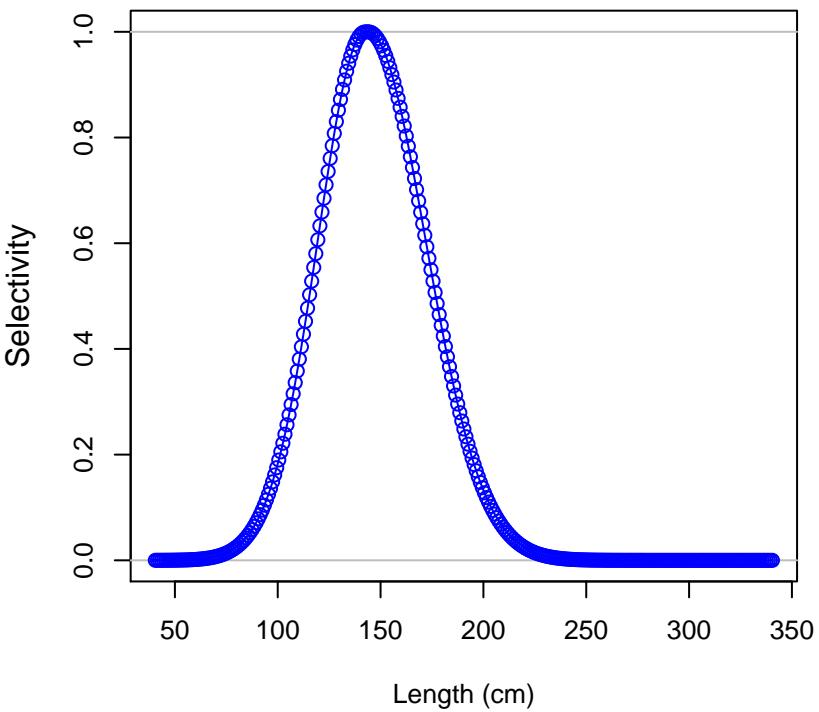
Male ending year selectivity for F7_TW_LRG_S



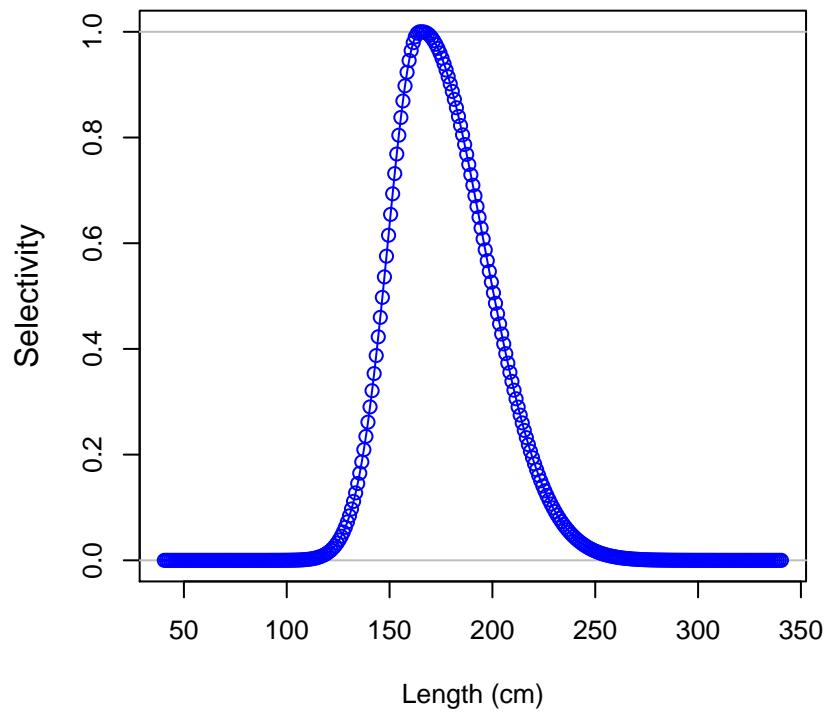
Male ending year selectivity for F8_TW_SML



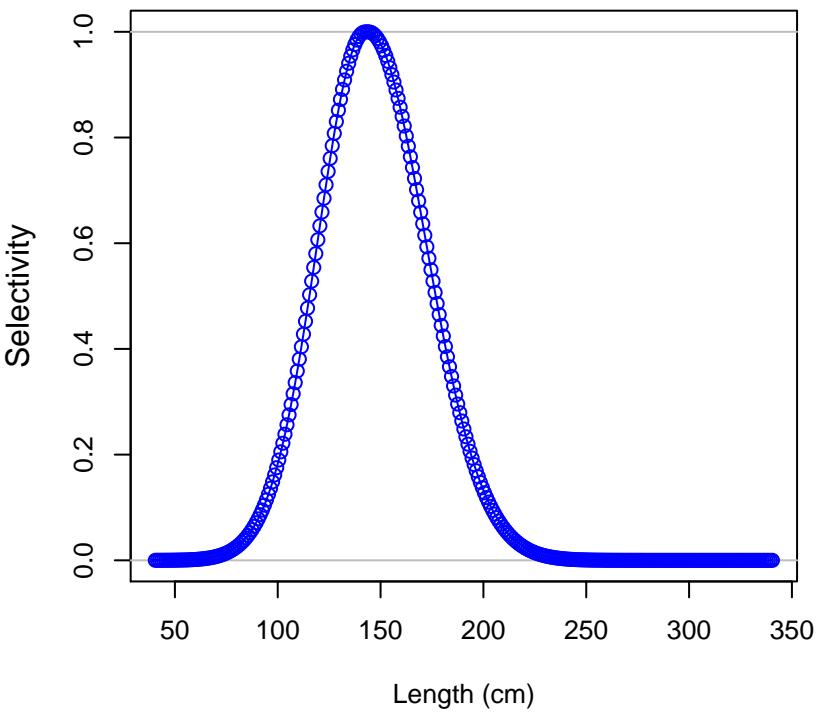
Female ending year selectivity for F9_JPN_SS



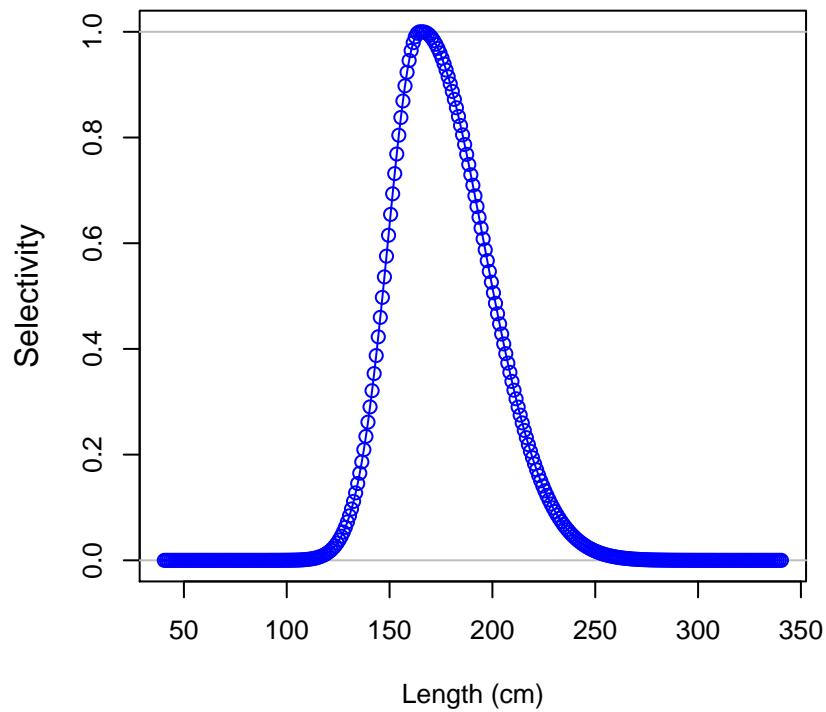
Female ending year selectivity for F10_JPN_DS



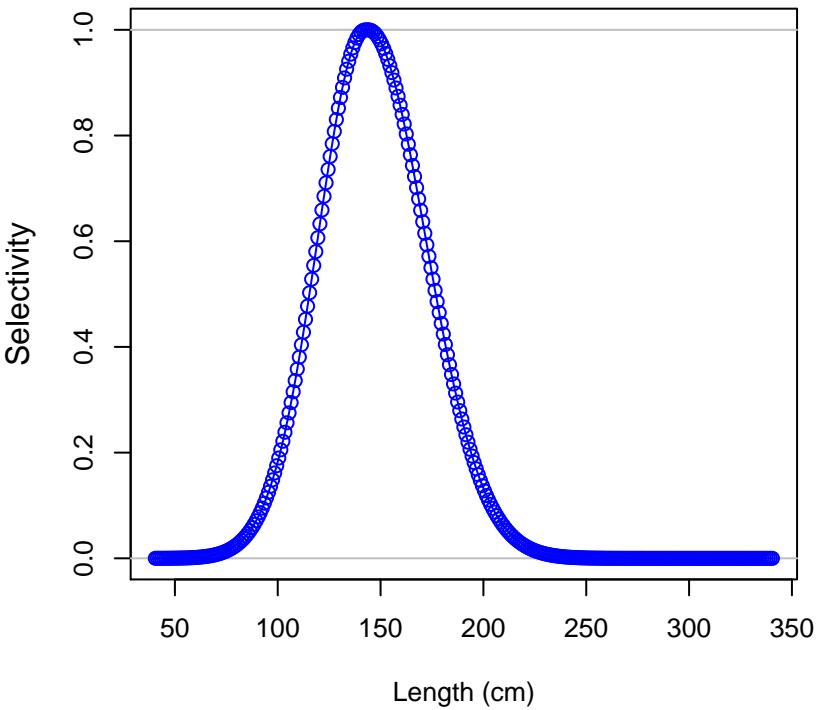
Male ending year selectivity for F9_JPN_SS



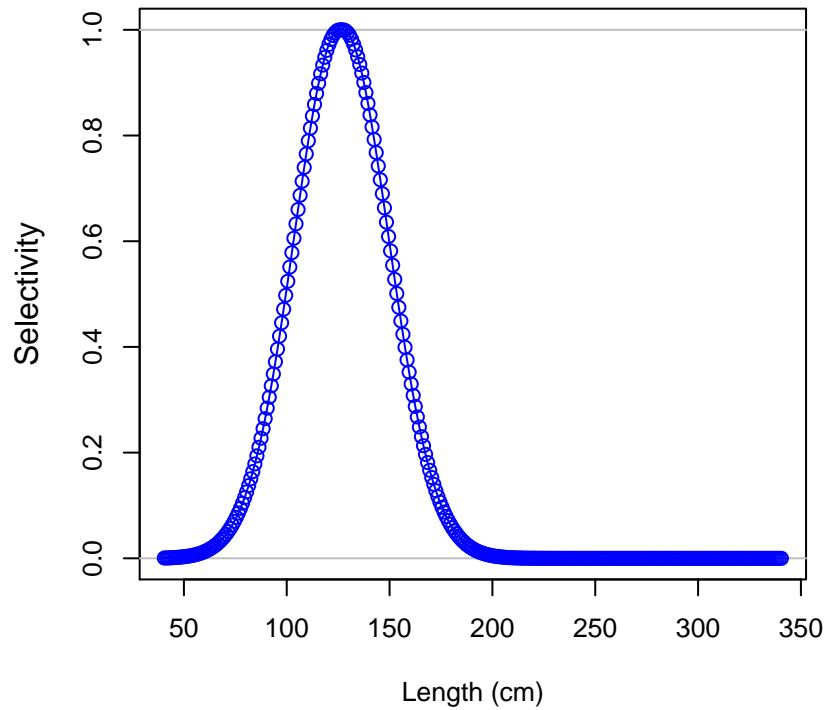
Male ending year selectivity for F10_JPN_DS



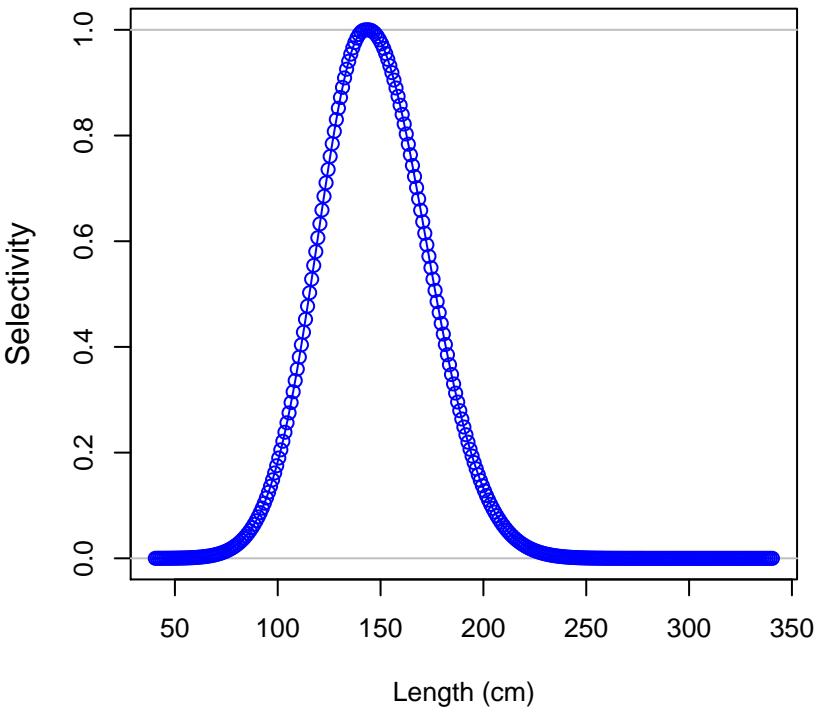
Female ending year selectivity for F11_JPN_CST



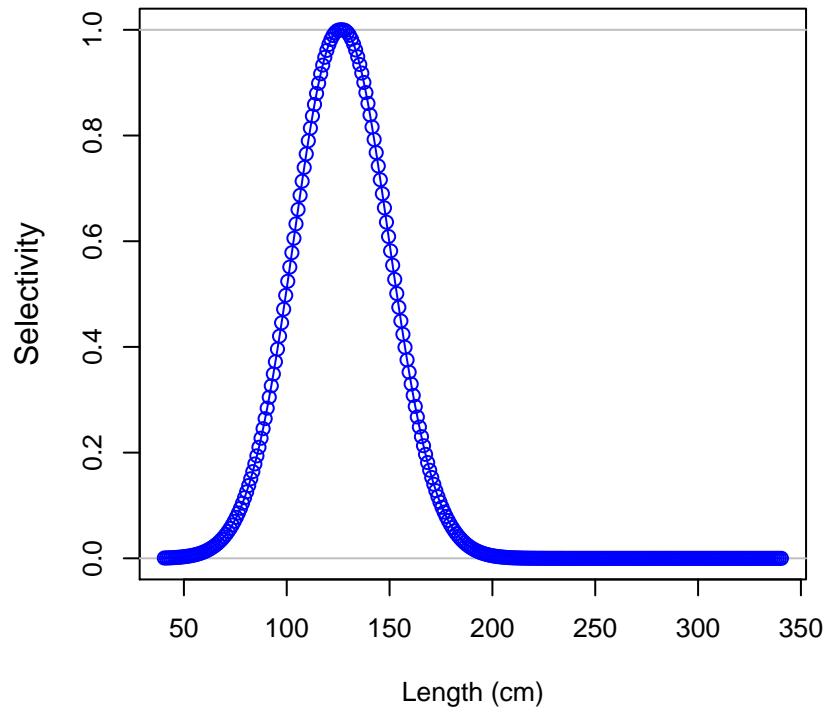
Female ending year selectivity for F12_JPN_DFN



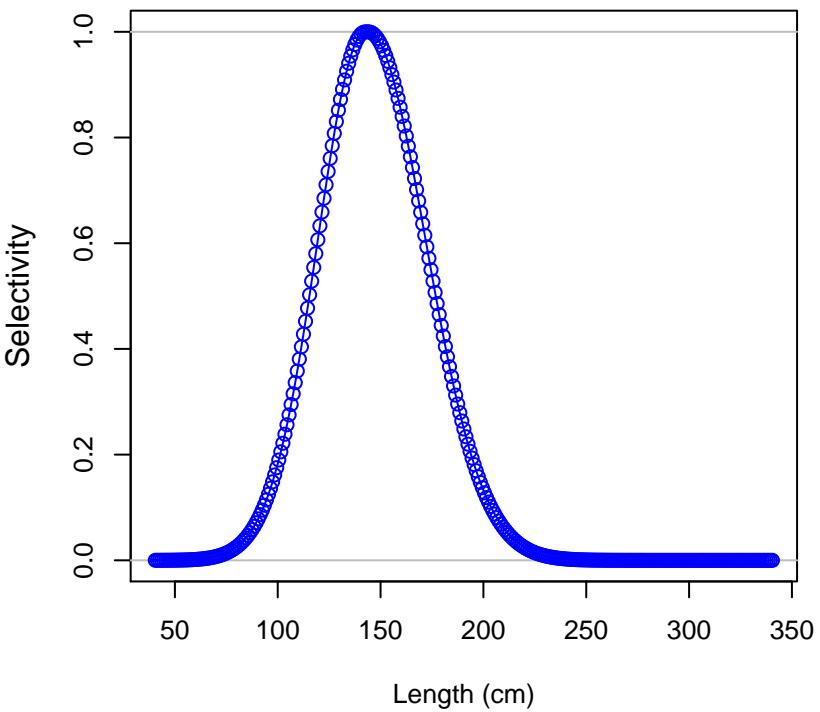
Male ending year selectivity for F11_JPN_CST



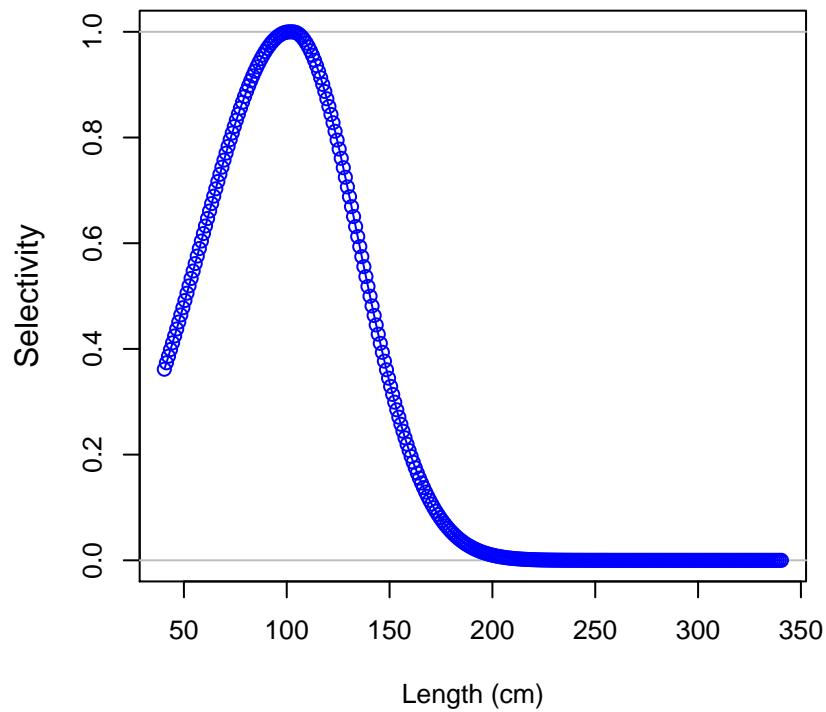
Male ending year selectivity for F12_JPN_DFN



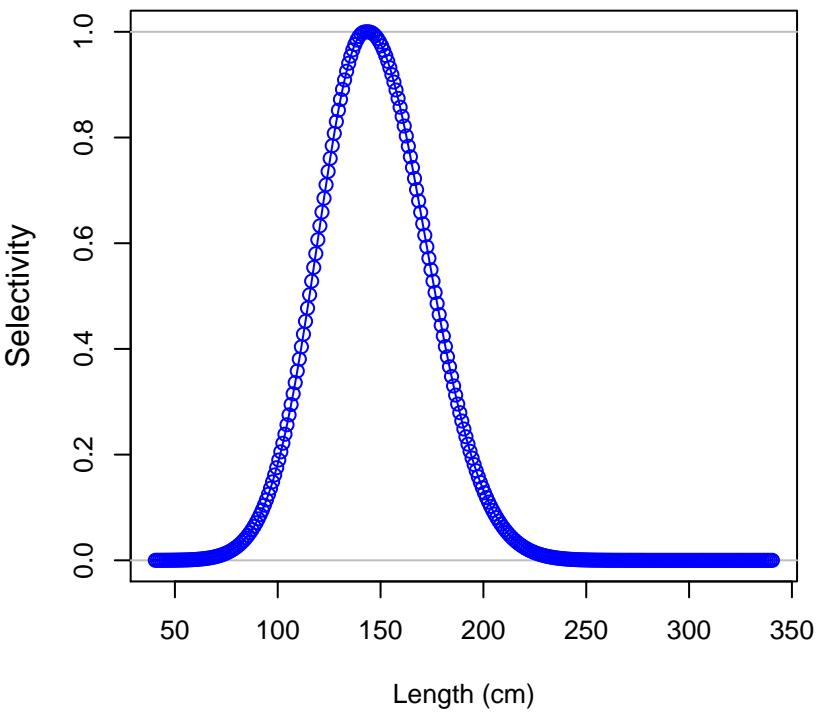
Female ending year selectivity for F13_JPN_OTH



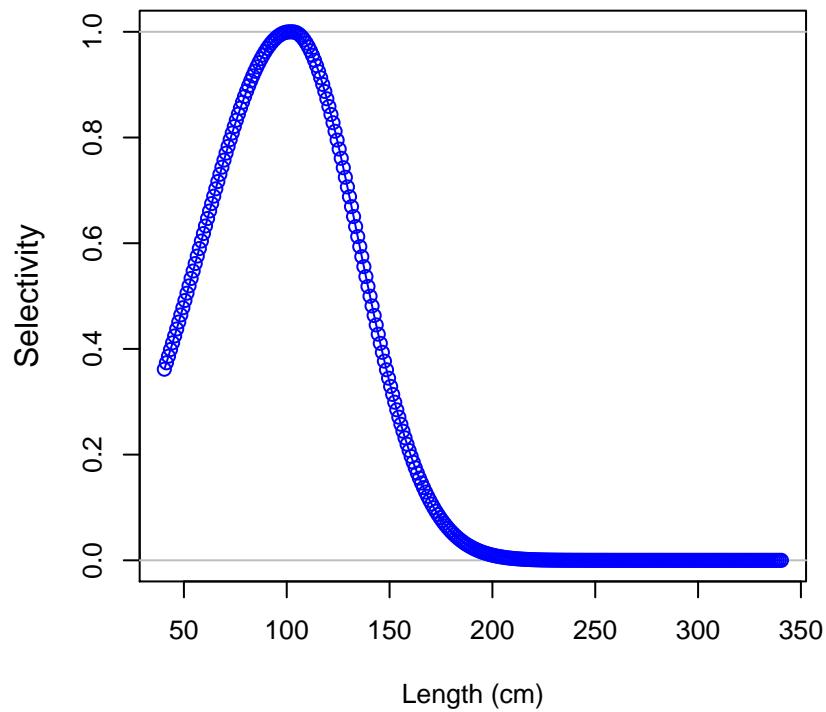
Female ending year selectivity for F14_MEX_NOR



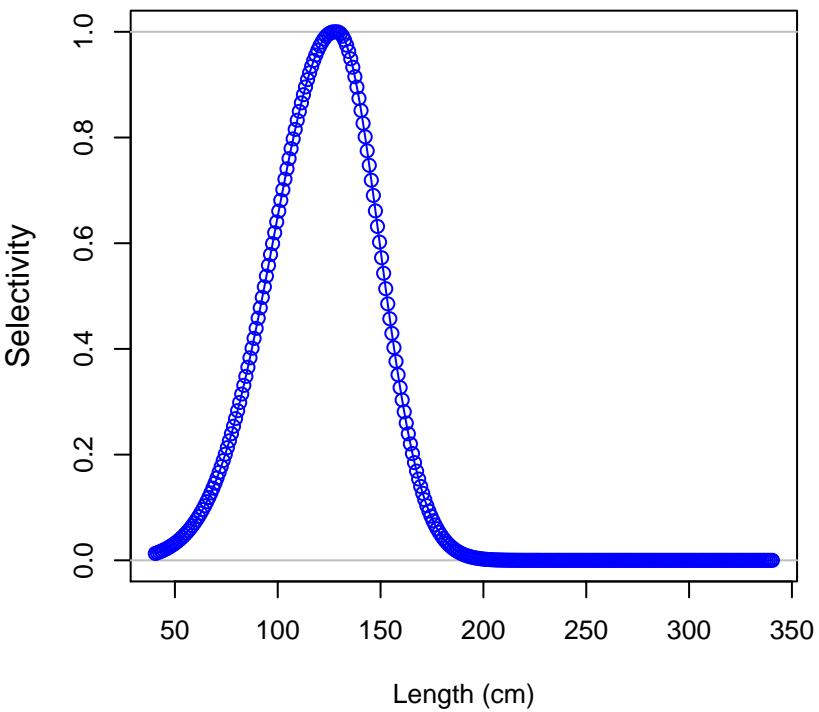
Male ending year selectivity for F13_JPN_OTH



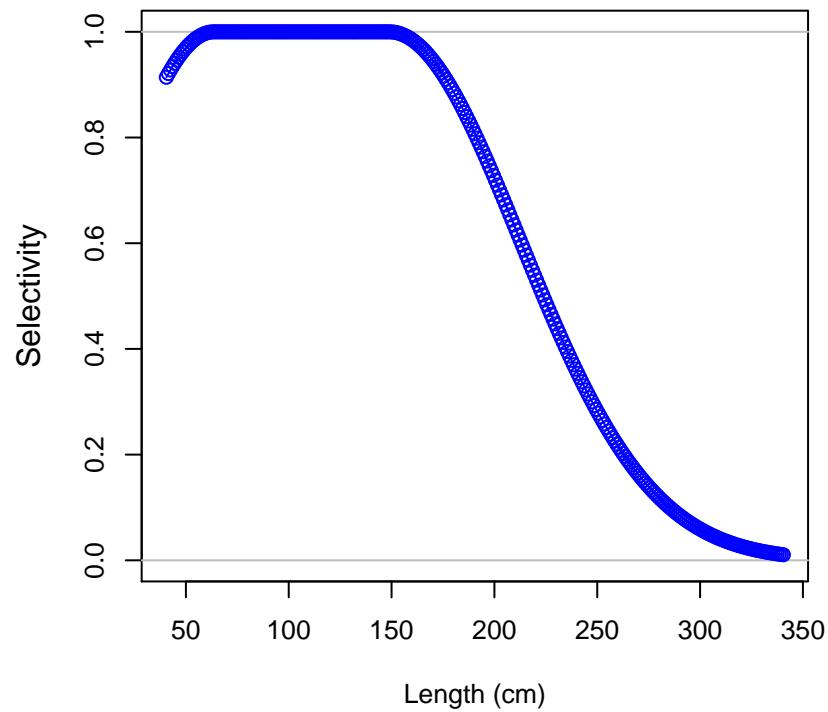
Male ending year selectivity for F14_MEX_NOR



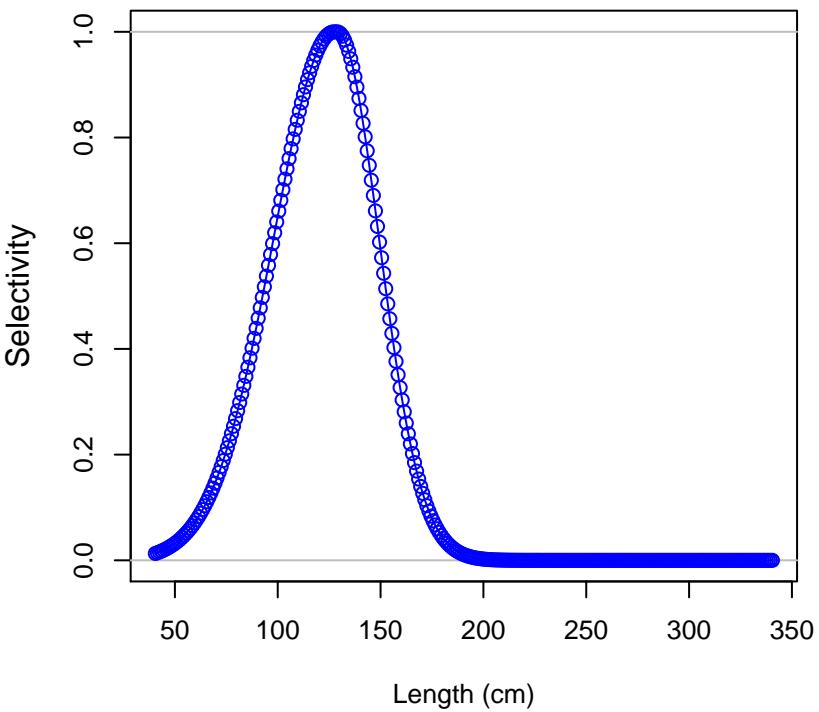
Female ending year selectivity for F15_MEX_SO



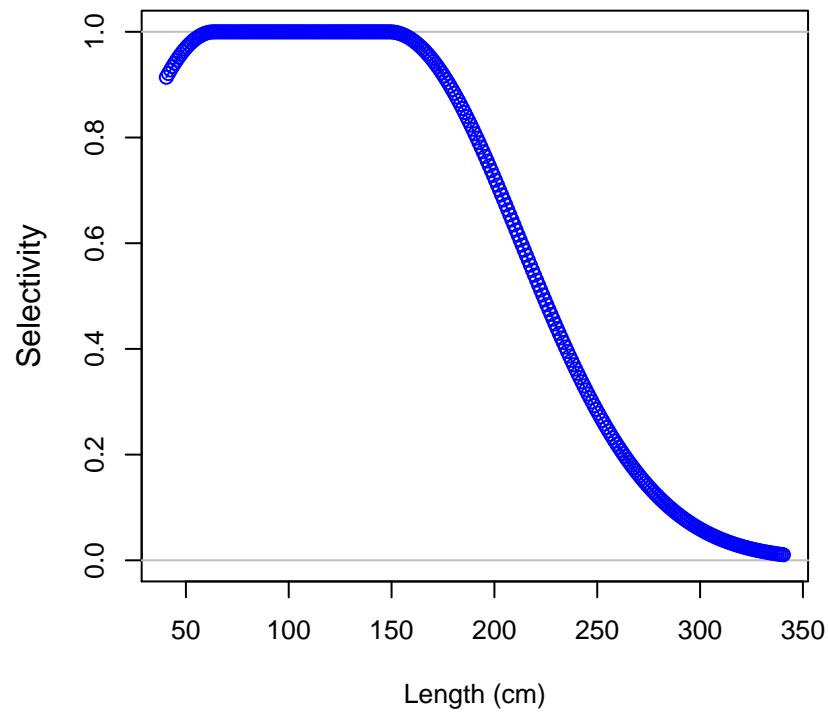
Female ending year selectivity for F16_WCPFC



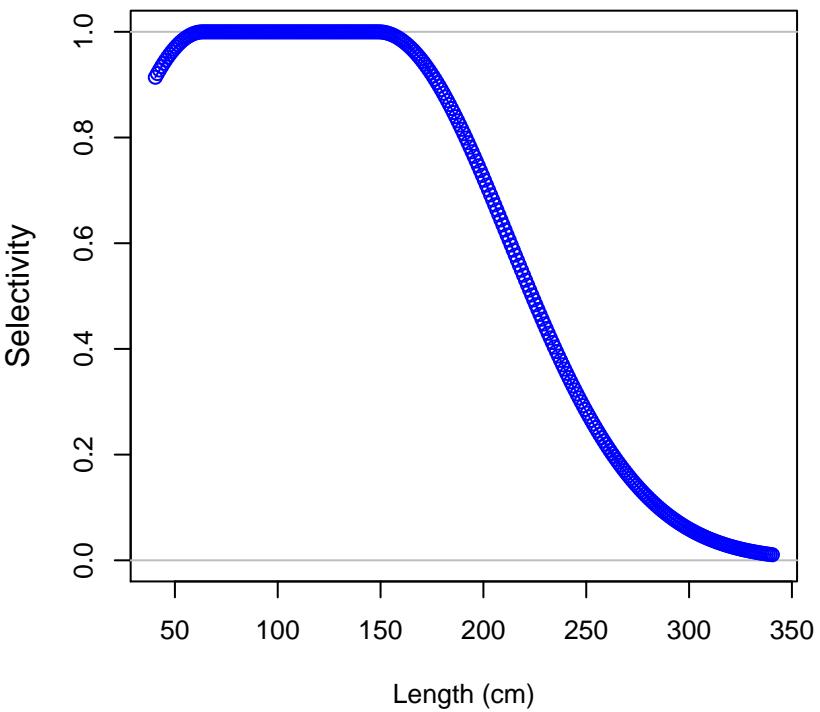
Male ending year selectivity for F15_MEX_SO



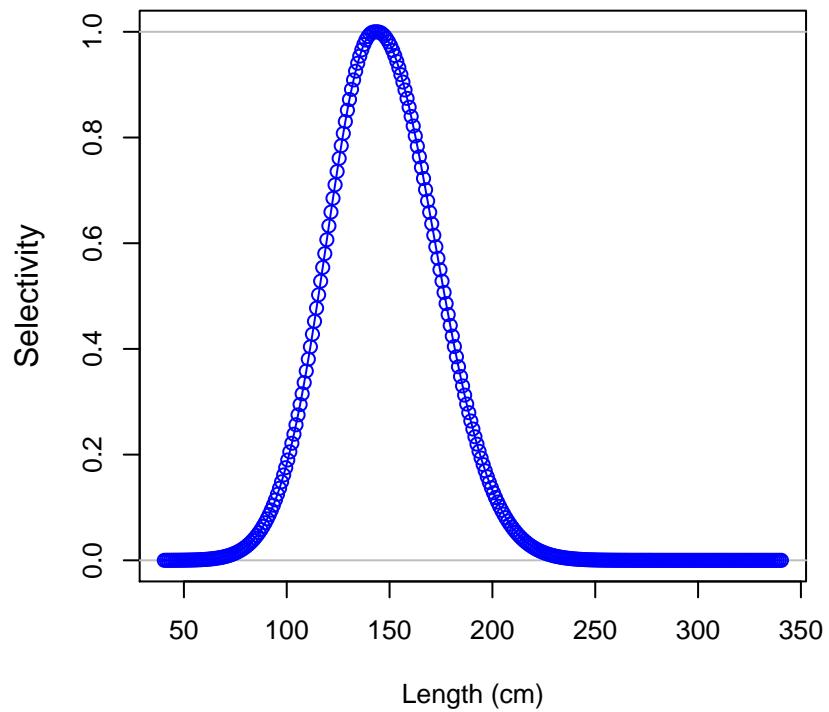
Male ending year selectivity for F16_WCPFC



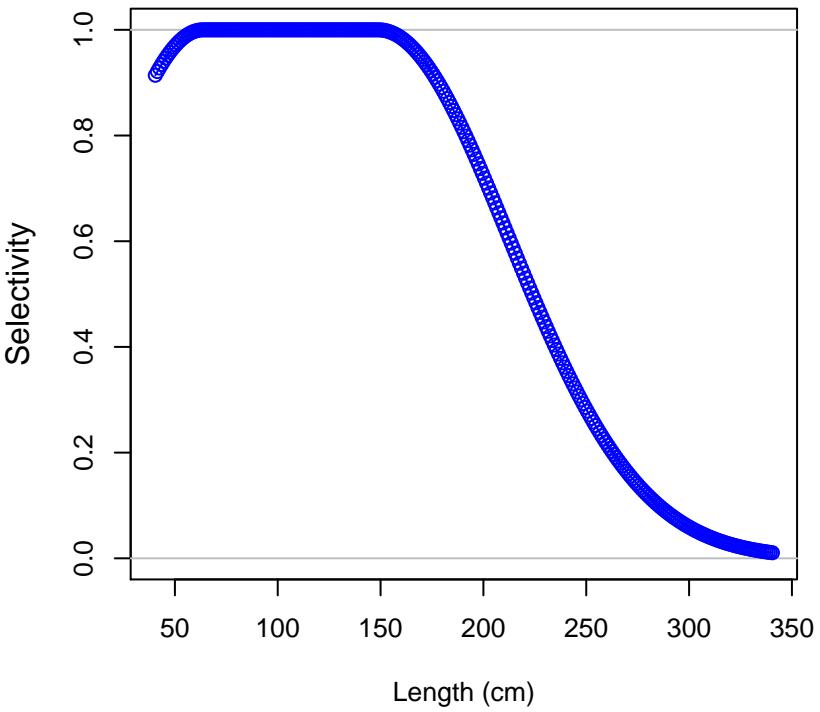
Female ending year selectivity for F17_IATTC



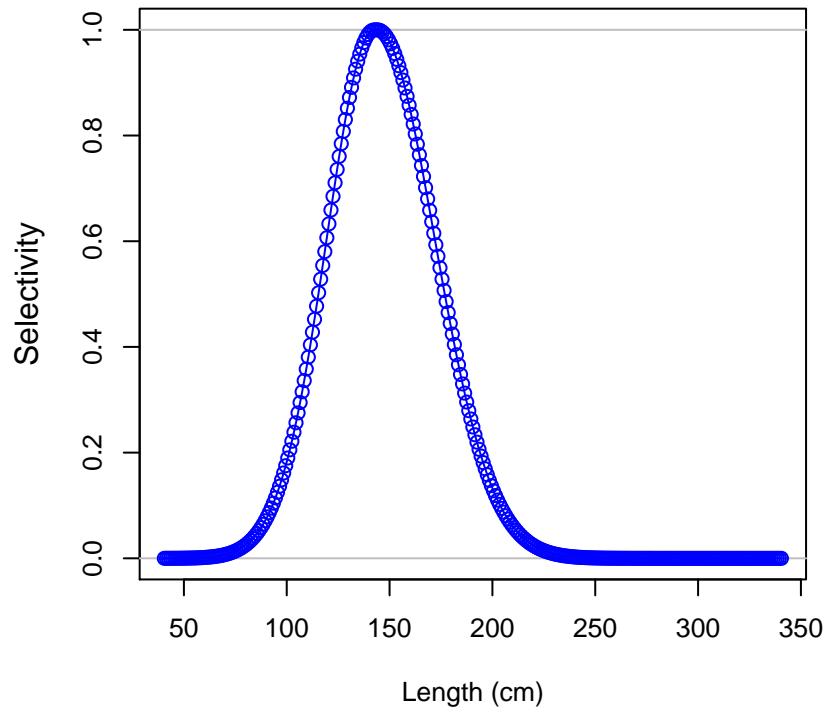
Female ending year selectivity for F18_JPN_SSII



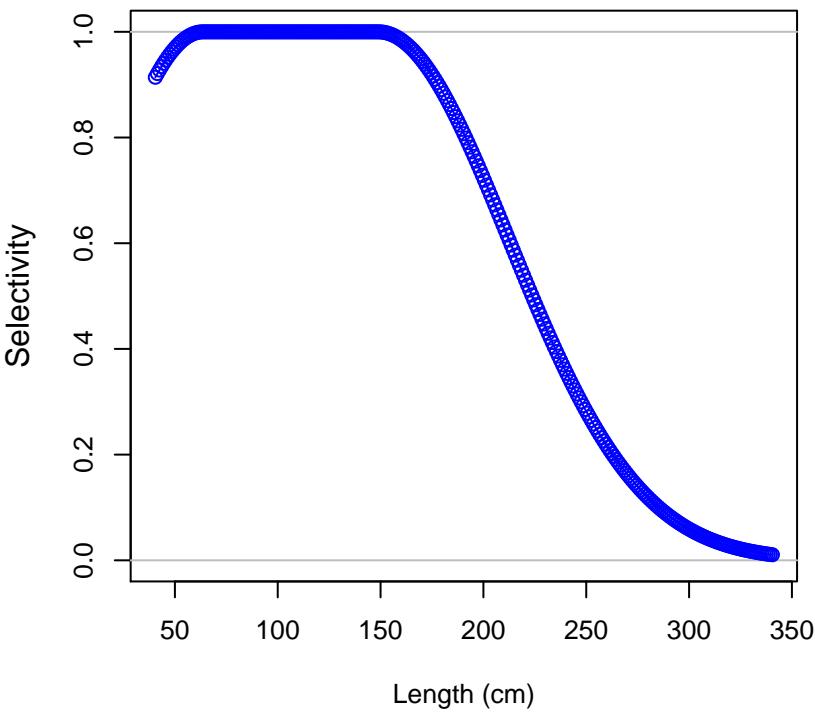
Male ending year selectivity for F17_IATTC



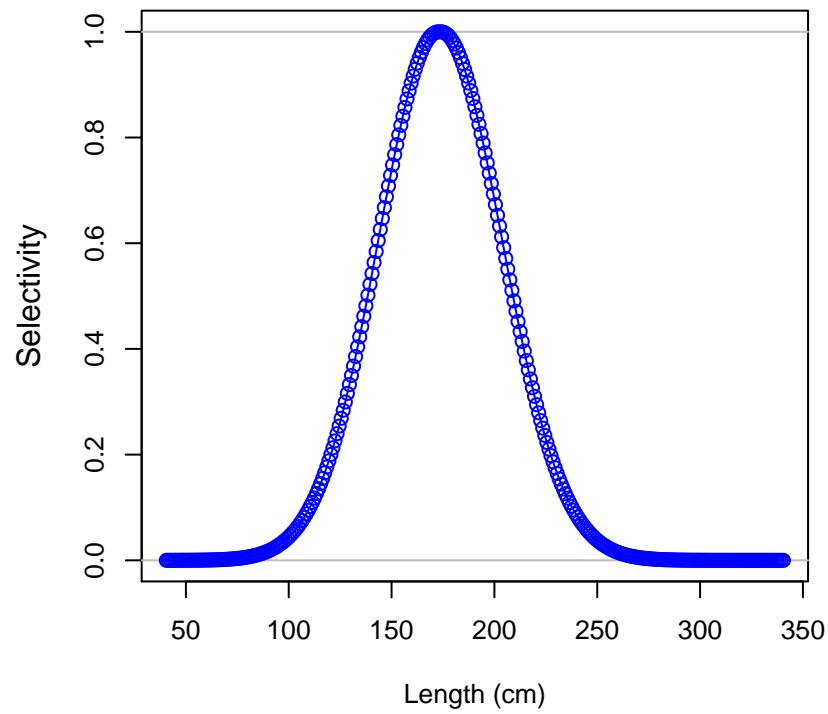
Male ending year selectivity for F18_JPN_SSII



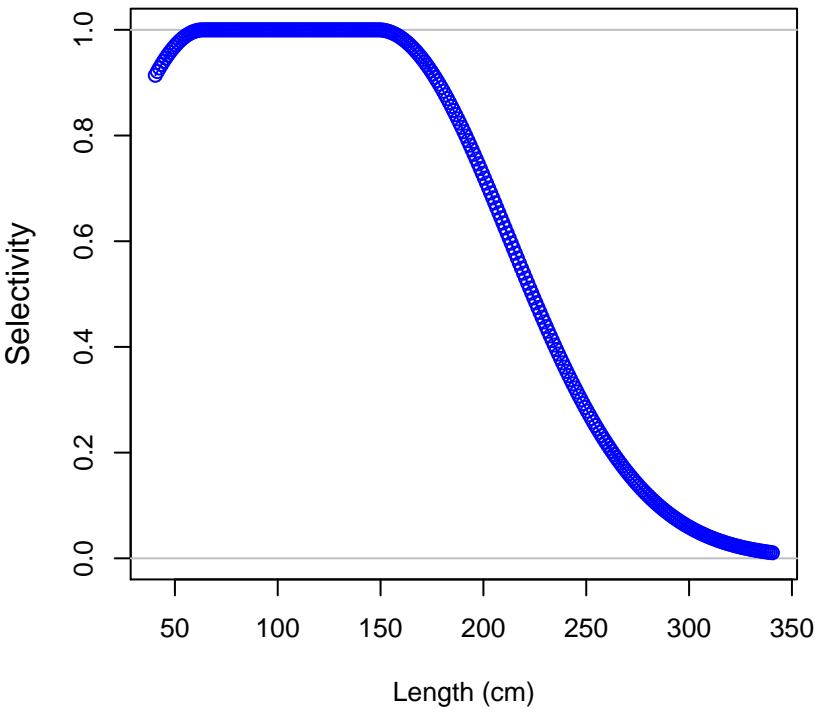
Female ending year selectivity for S1_US_SS



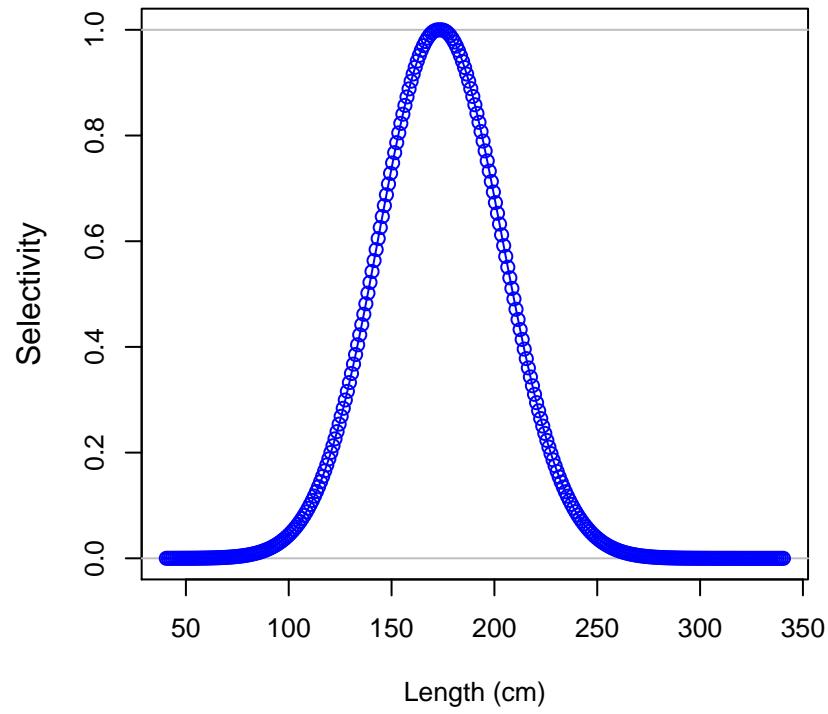
Female ending year selectivity for S2_US_DS



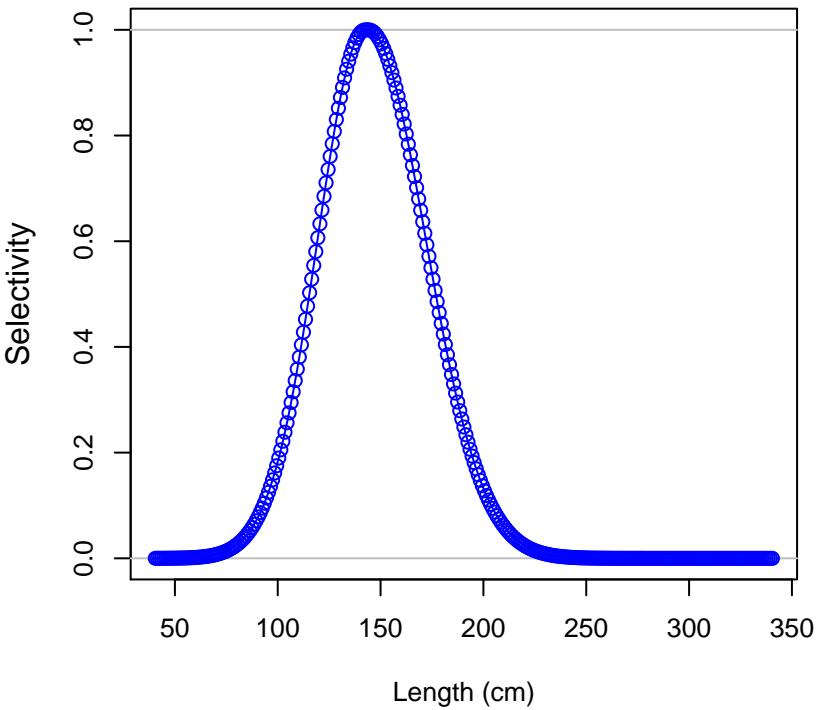
Male ending year selectivity for S1_US_SS



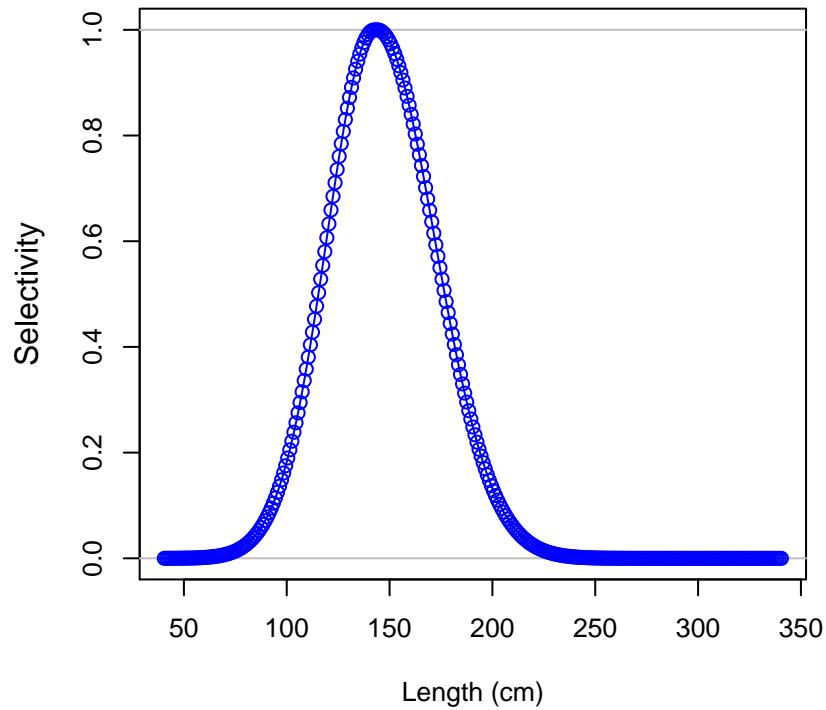
Male ending year selectivity for S2_US_DS



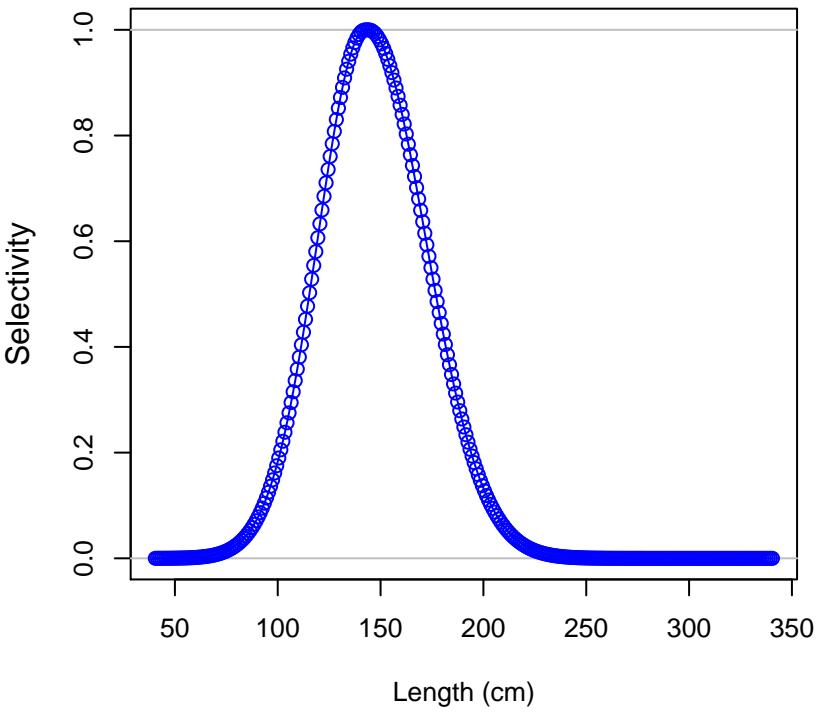
Female ending year selectivity for S3_TW_LRG



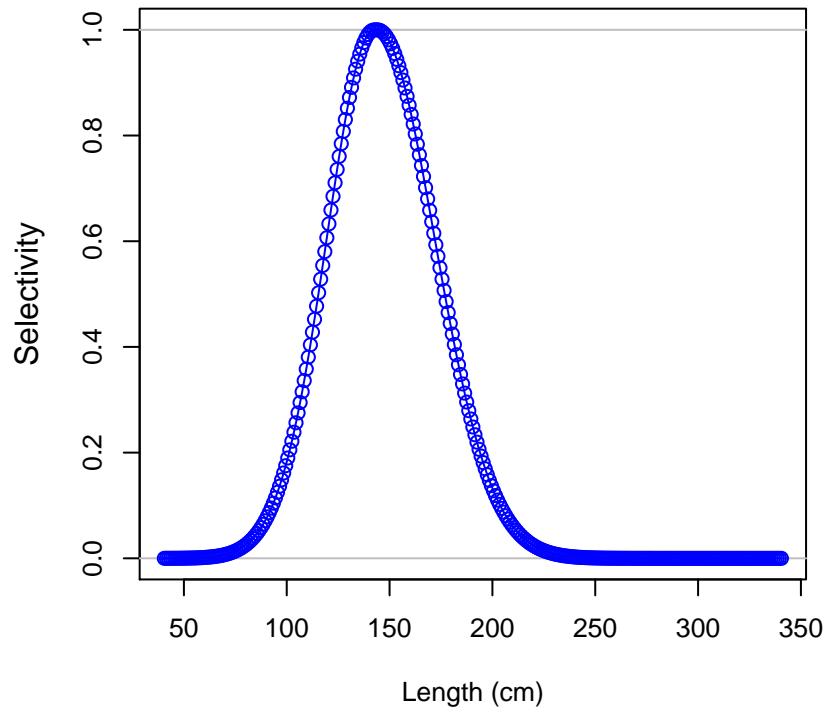
Female ending year selectivity for S4_JPN_SS



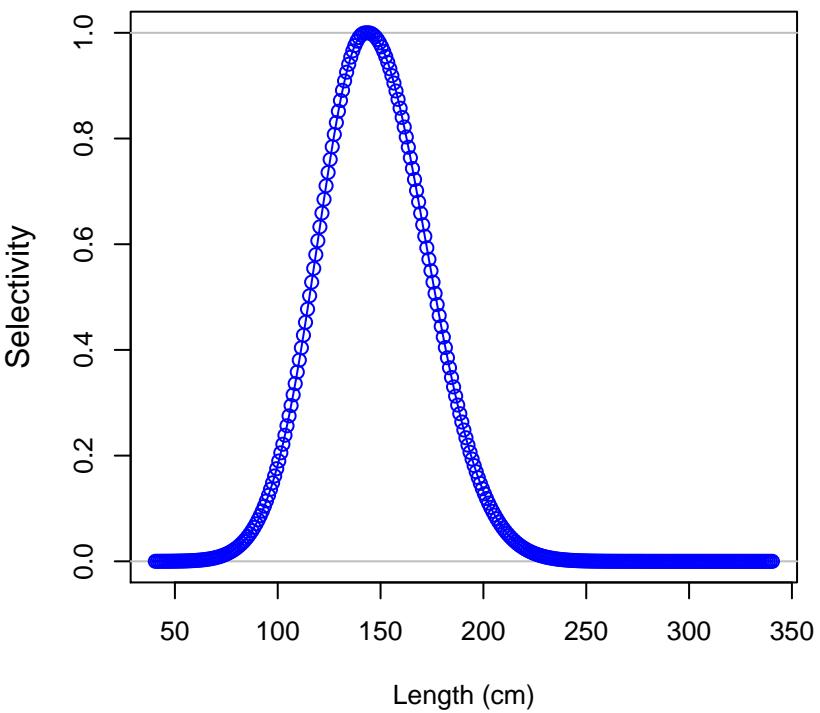
Male ending year selectivity for S3_TW_LRG



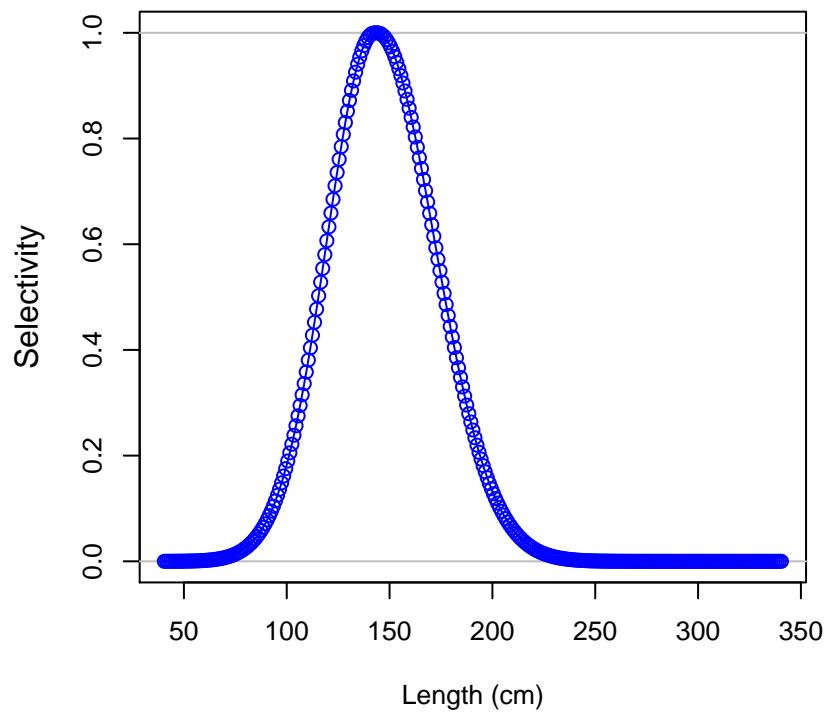
Male ending year selectivity for S4_JPN_SS



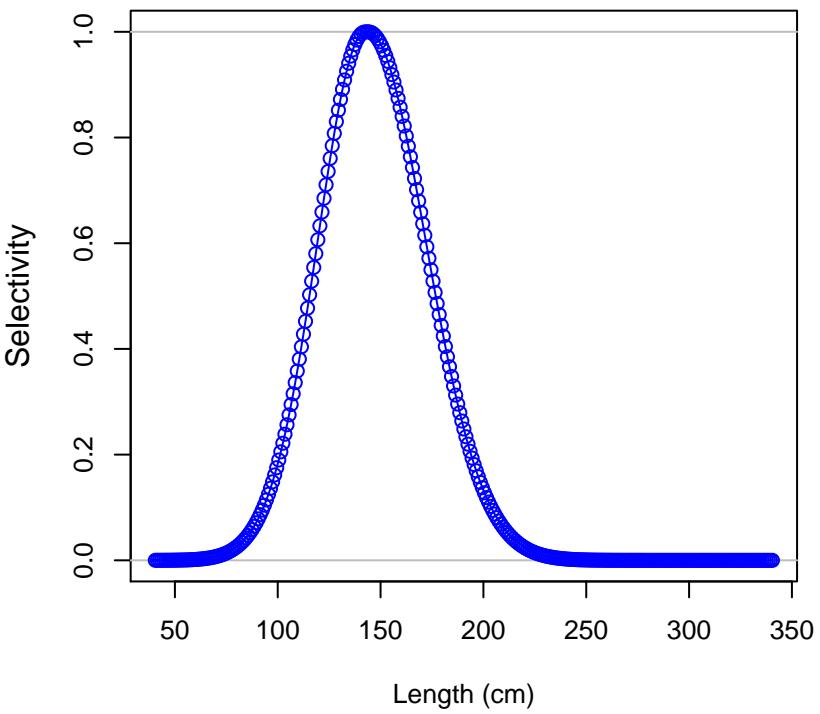
Female ending year selectivity for S5_JPN_RTV



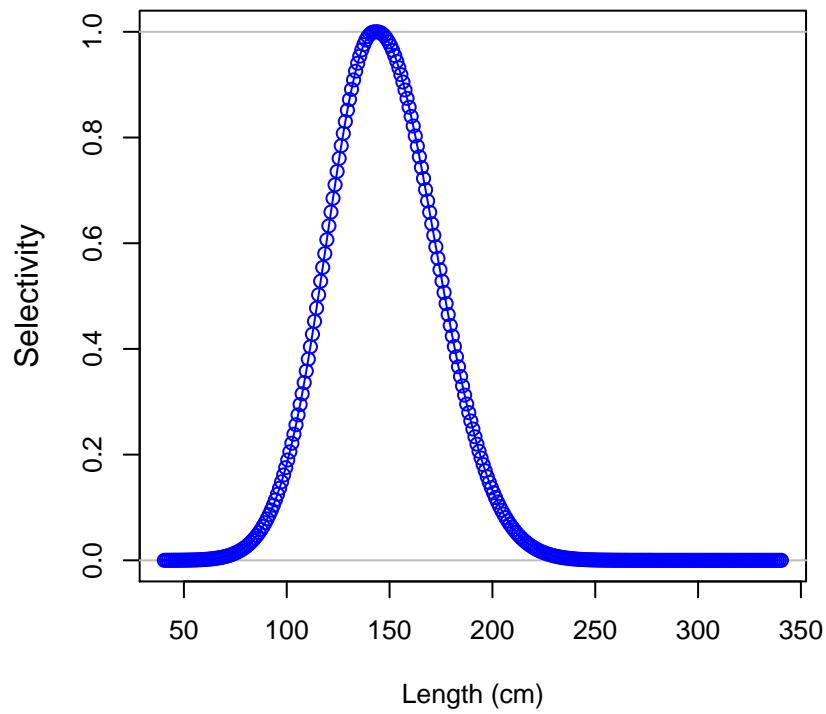
Female ending year selectivity for S6_JPN_OBS



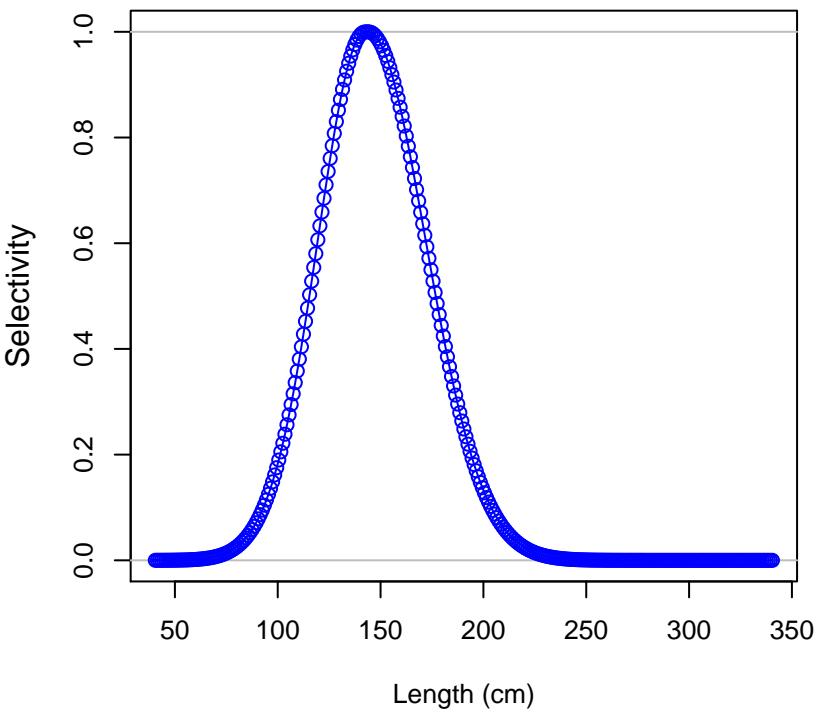
Male ending year selectivity for S5_JPN_RTV



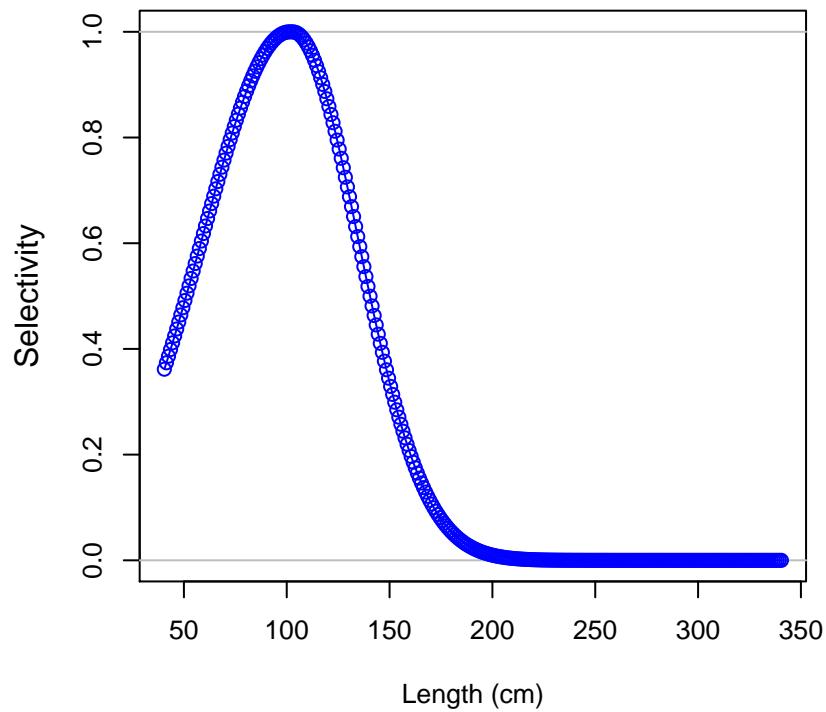
Male ending year selectivity for S6_JPN_OBS



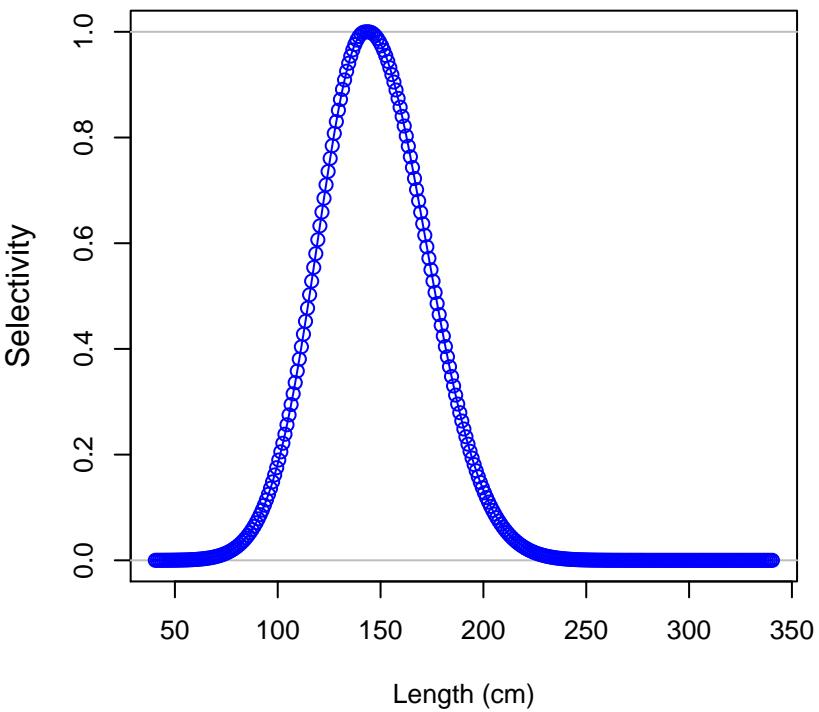
Female ending year selectivity for S7_JPN_GEO



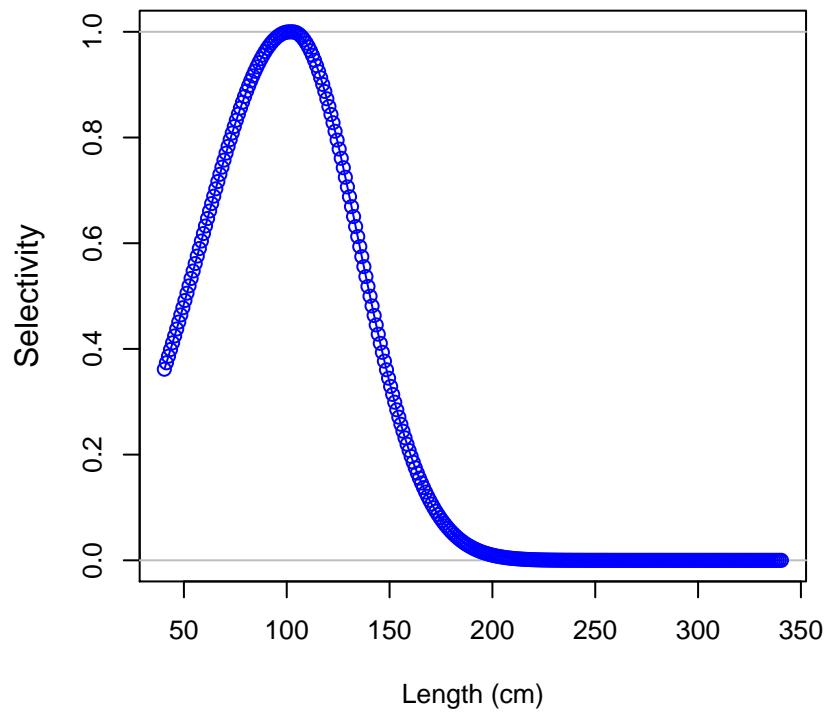
Female ending year selectivity for S8_MEX



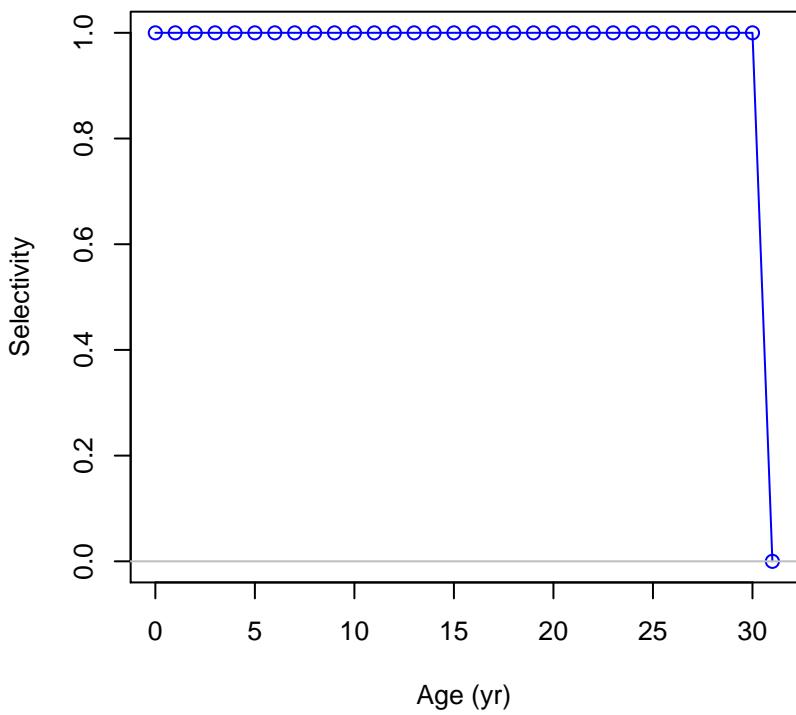
Male ending year selectivity for S7_JPN_GEO



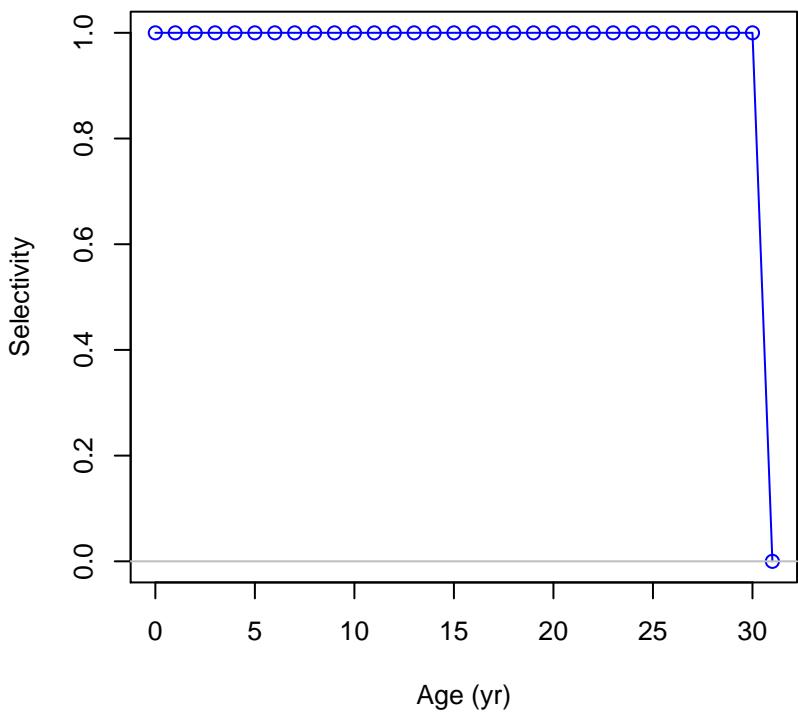
Male ending year selectivity for S8_MEX



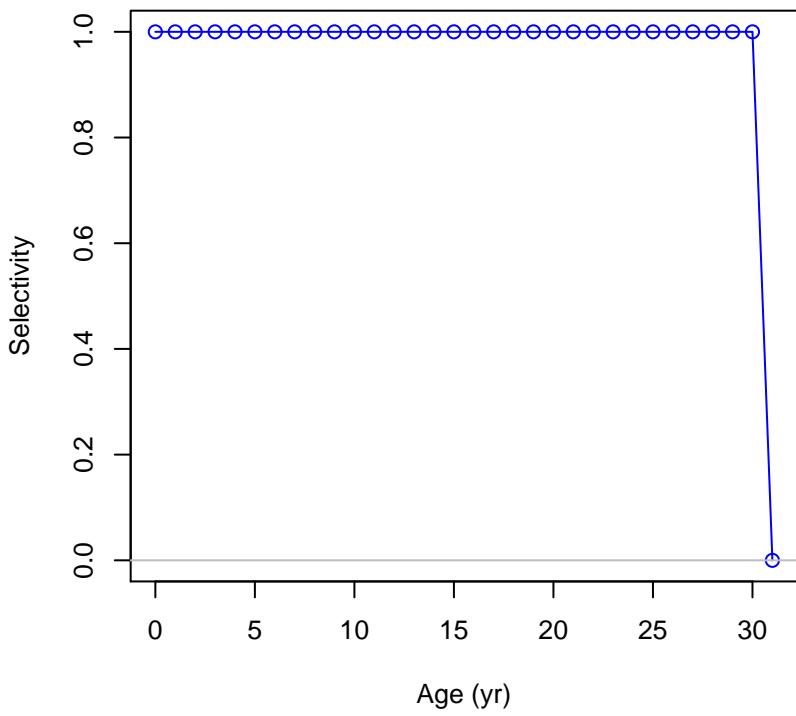
Female ending year selectivity for F1_US_CA



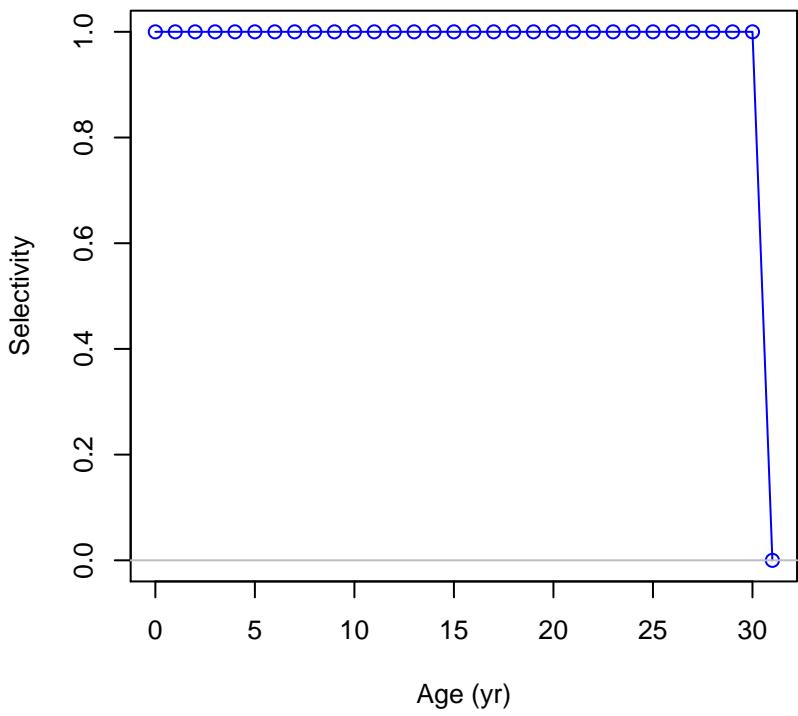
Female ending year selectivity for F2_US_HI_SS



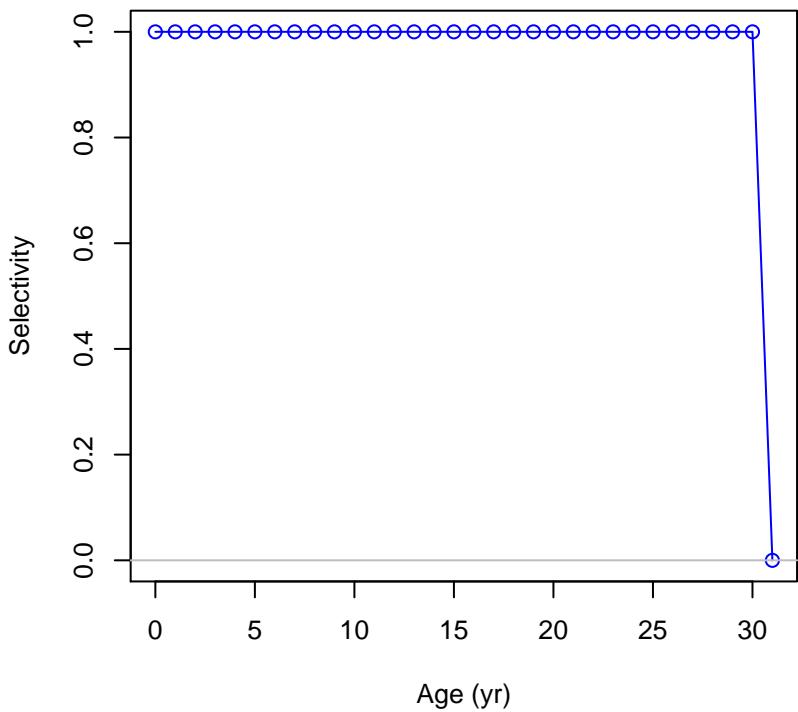
Male ending year selectivity for F1_US_CA



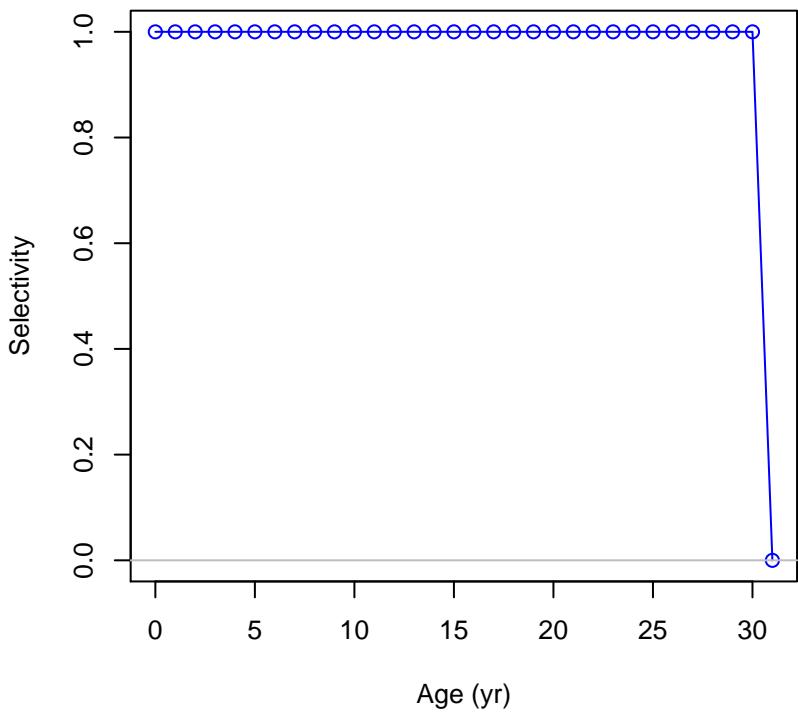
Male ending year selectivity for F2_US_HI_SS



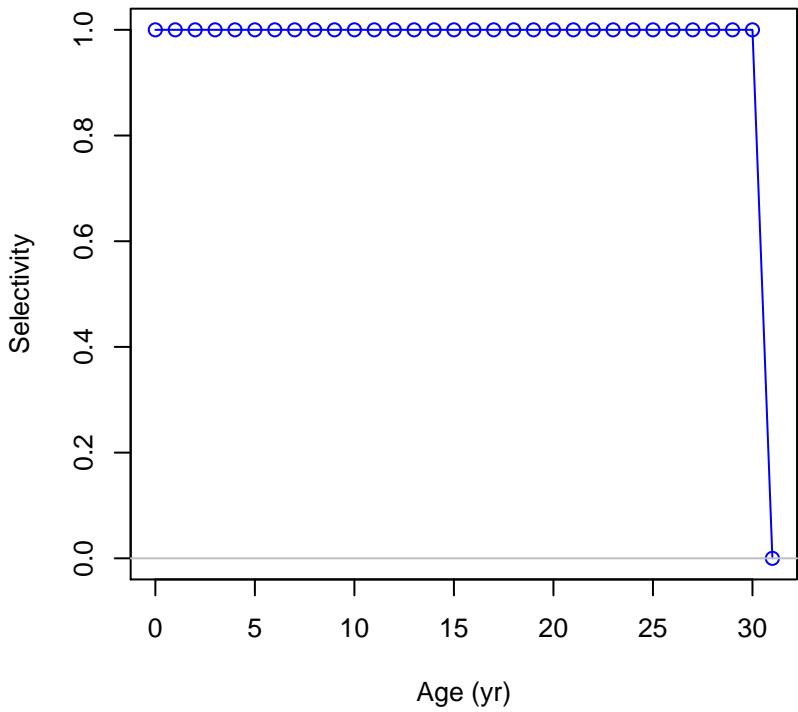
Female ending year selectivity for F3_US_HI_DS



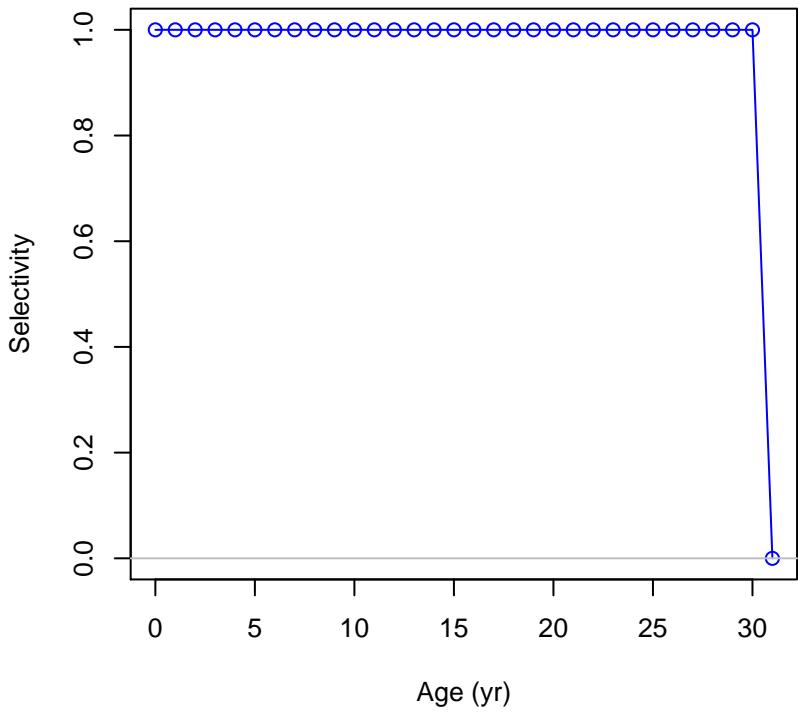
Female ending year selectivity for F4_US_DGN



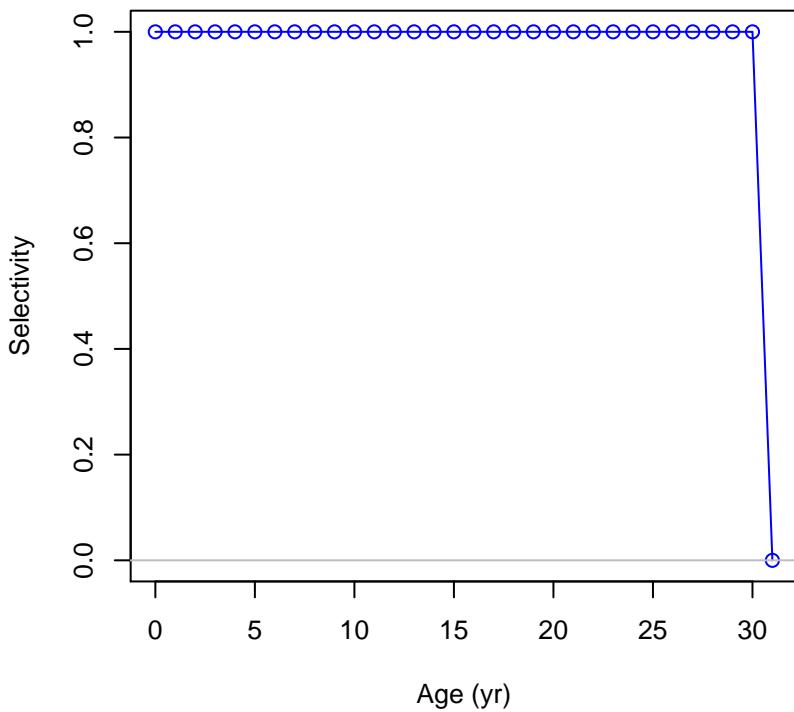
Male ending year selectivity for F3_US_HI_DS



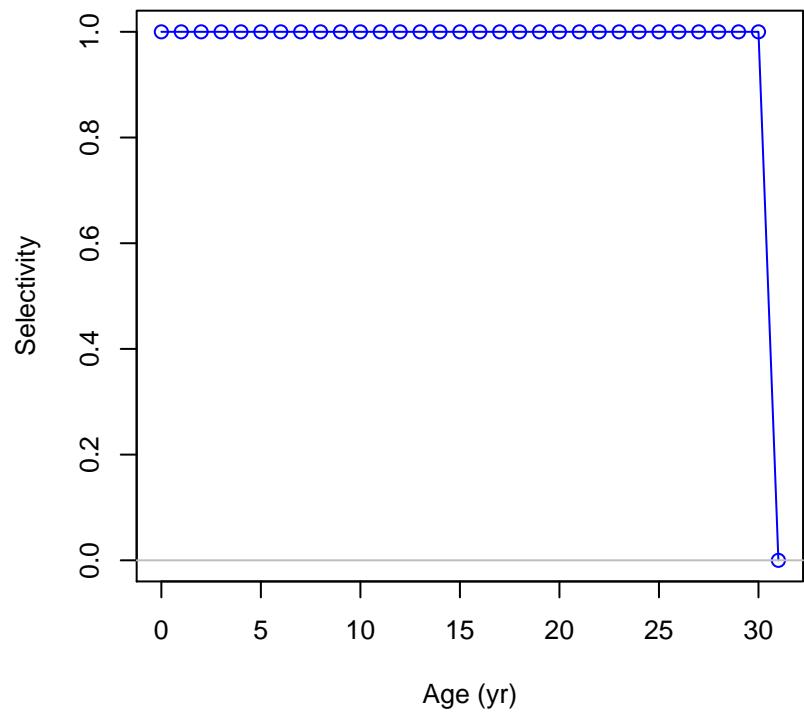
Male ending year selectivity for F4_US_DGN



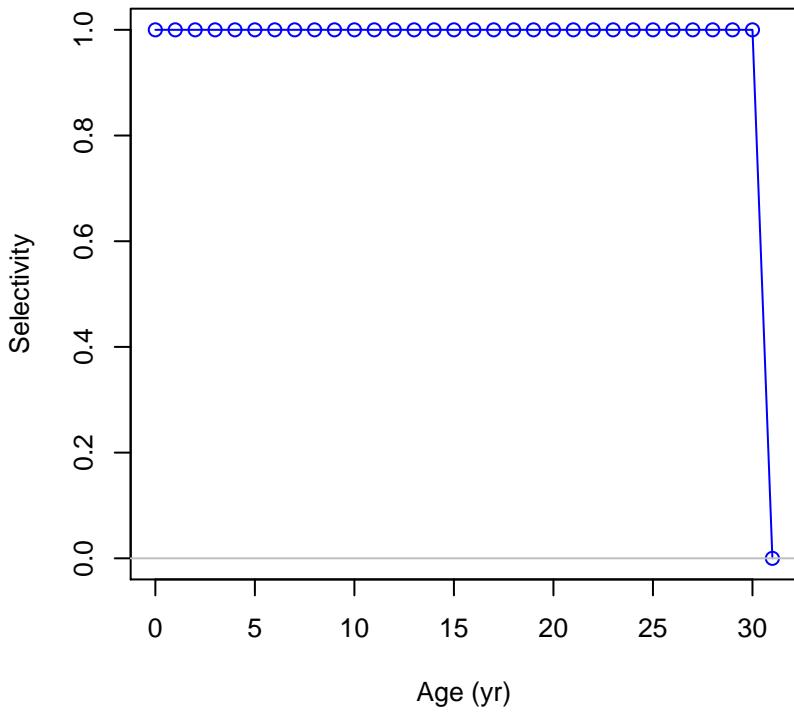
Female ending year selectivity for F5_US_REC



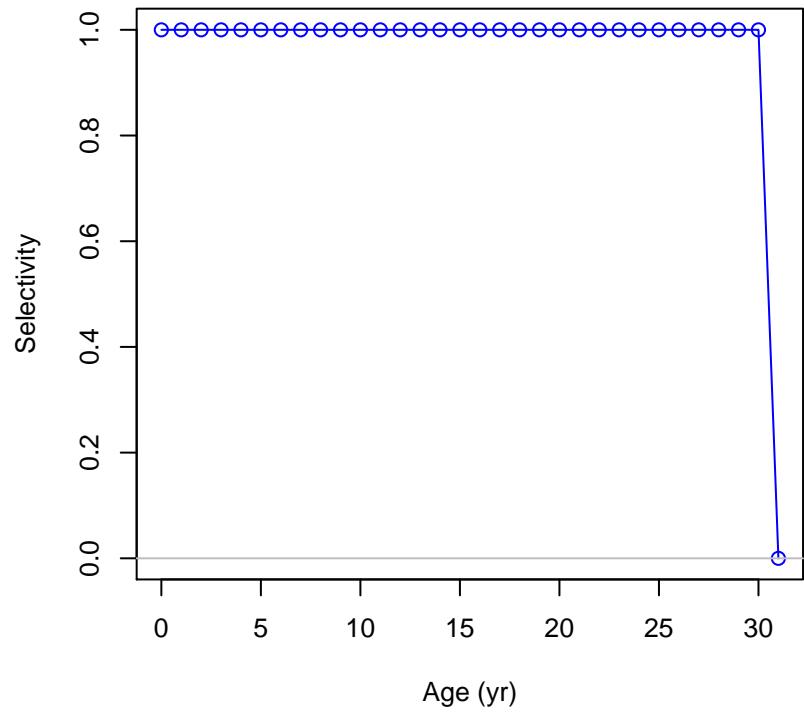
Female ending year selectivity for F6_TW_LRG_N



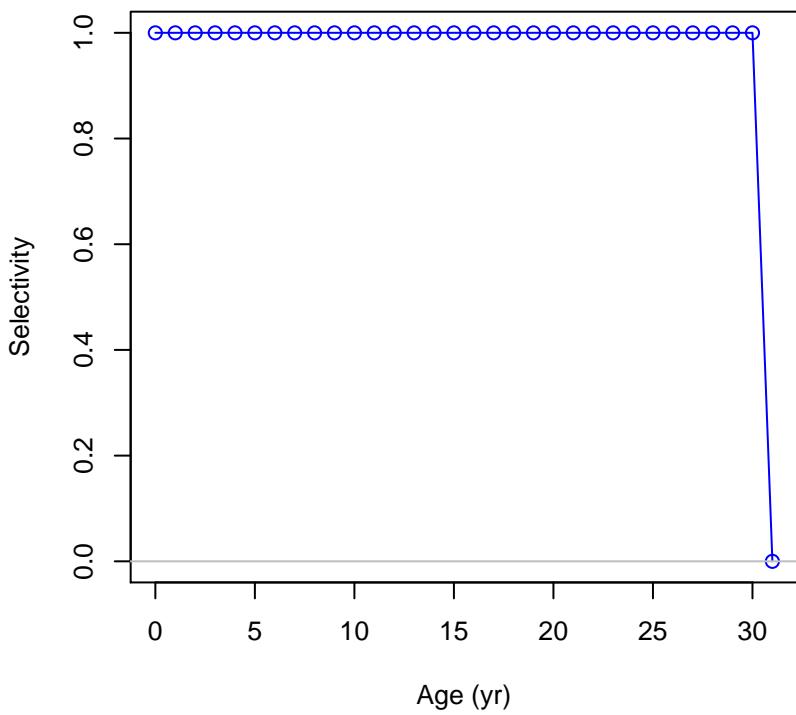
Male ending year selectivity for F5_US_REC



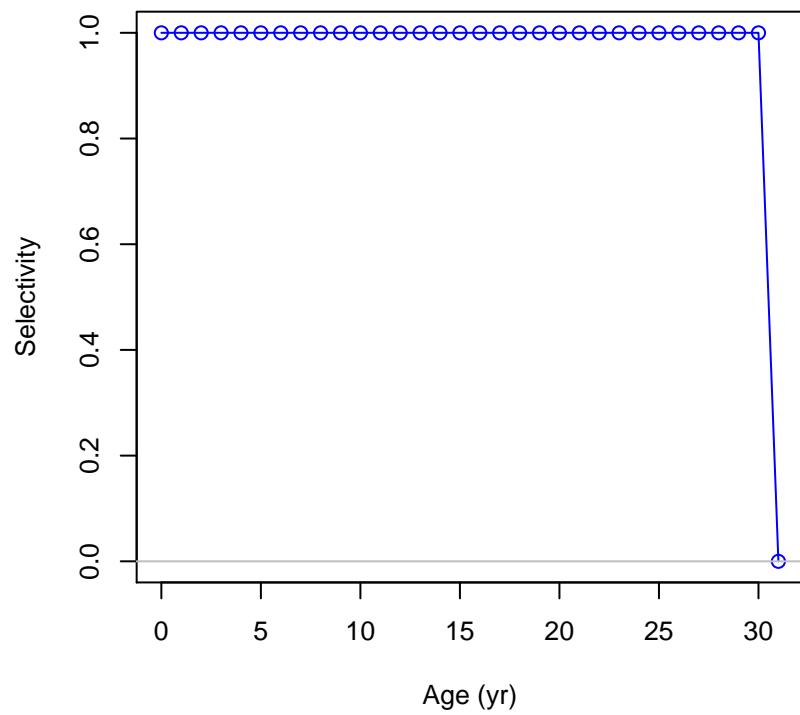
Male ending year selectivity for F6_TW_LRG_N



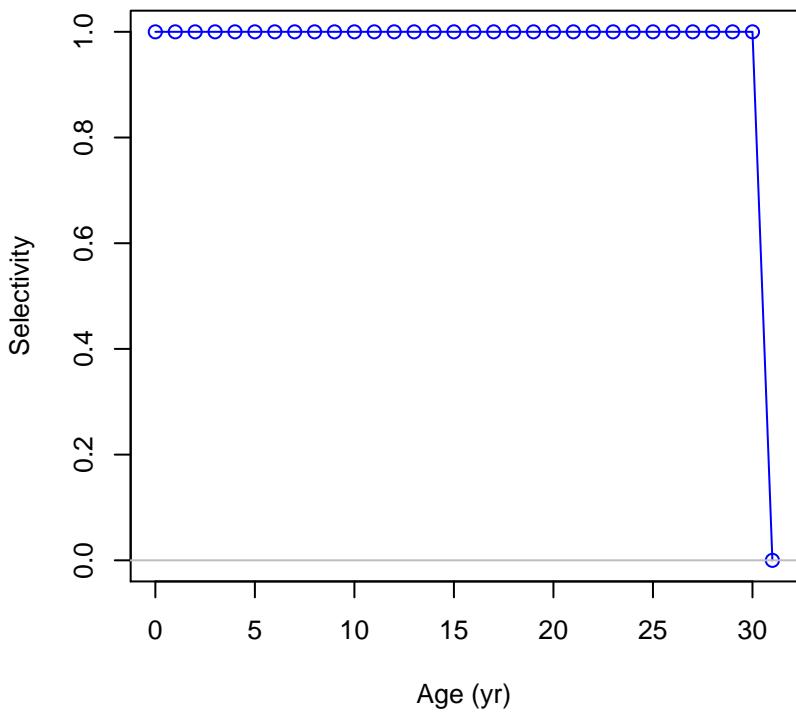
Female ending year selectivity for F7_TW_LRG_S



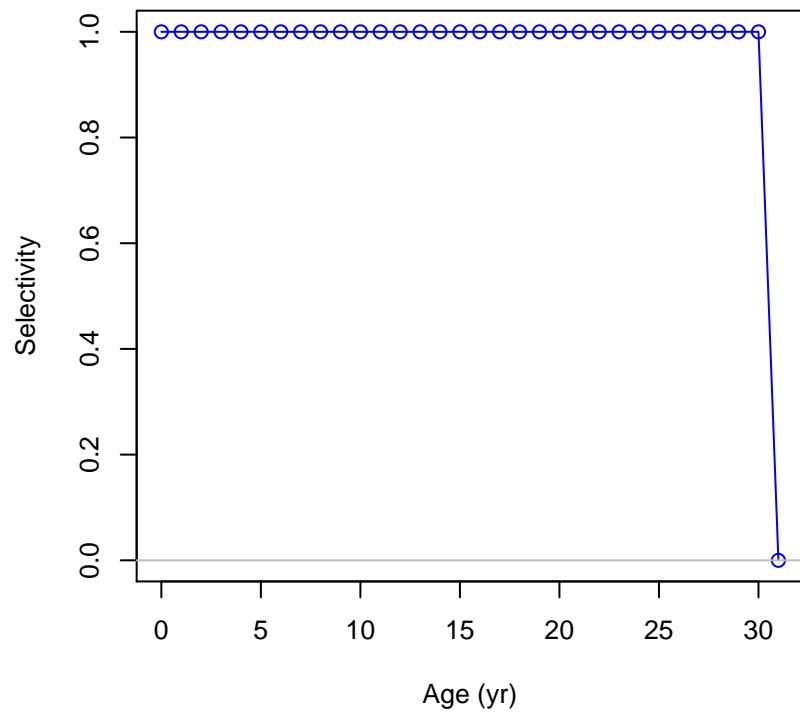
Female ending year selectivity for F8_TW_SML



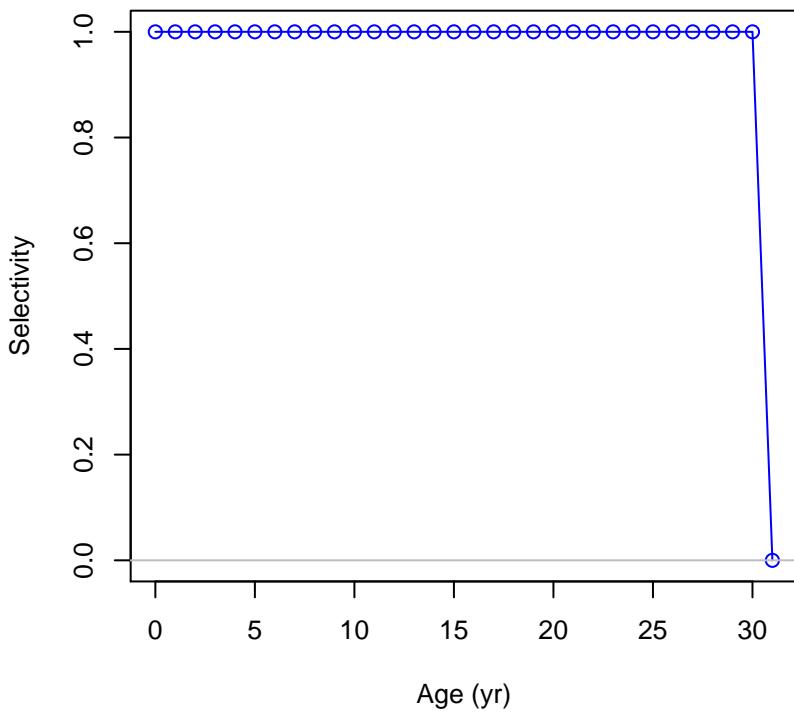
Male ending year selectivity for F7_TW_LRG_S



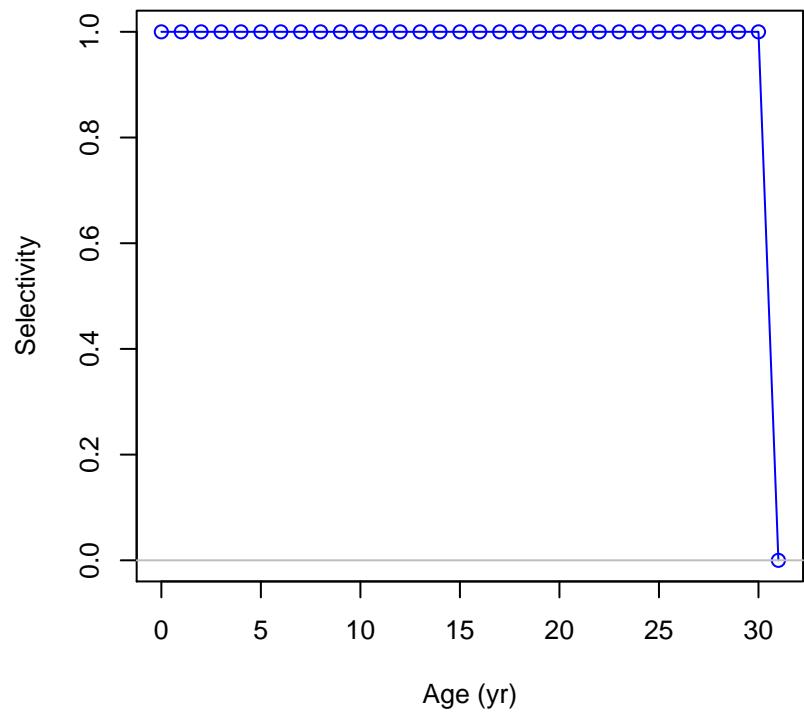
Male ending year selectivity for F8_TW_SML



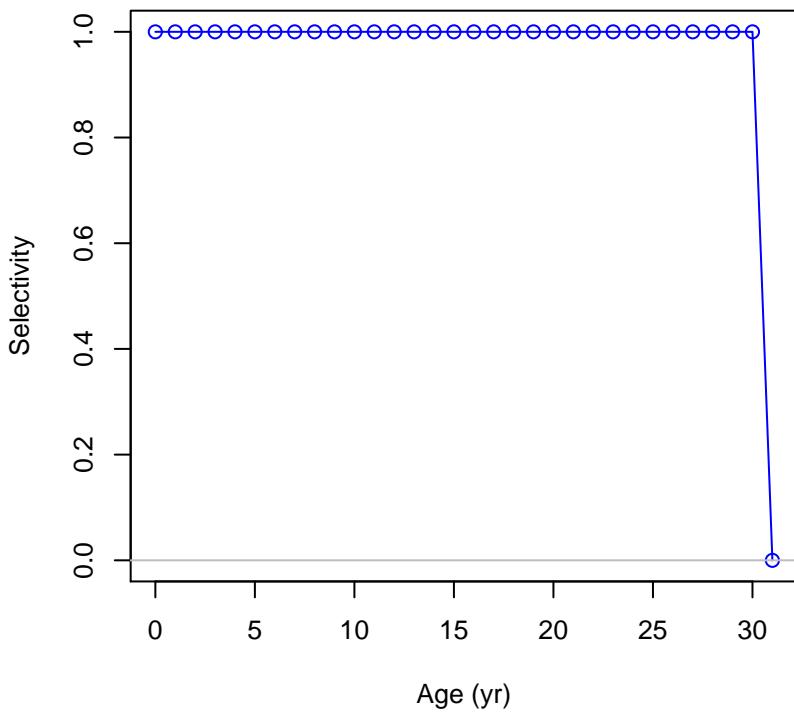
Female ending year selectivity for F9_JPN_SS



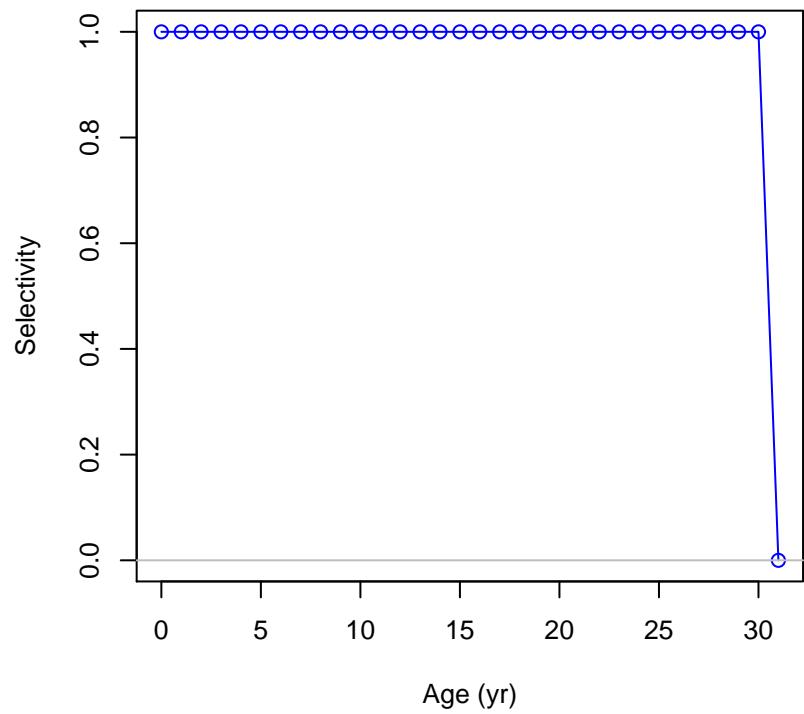
Female ending year selectivity for F10_JPN_DS



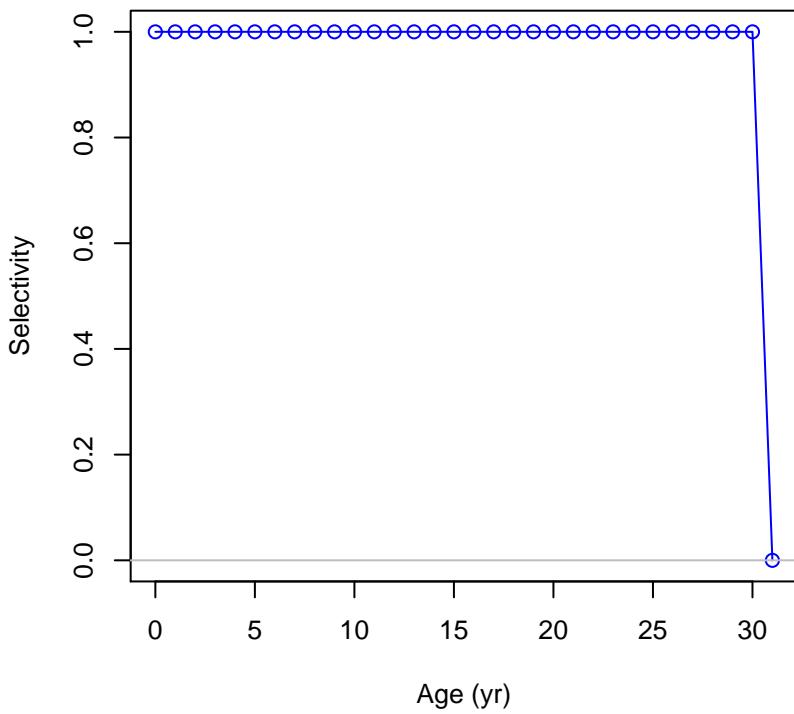
Male ending year selectivity for F9_JPN_SS



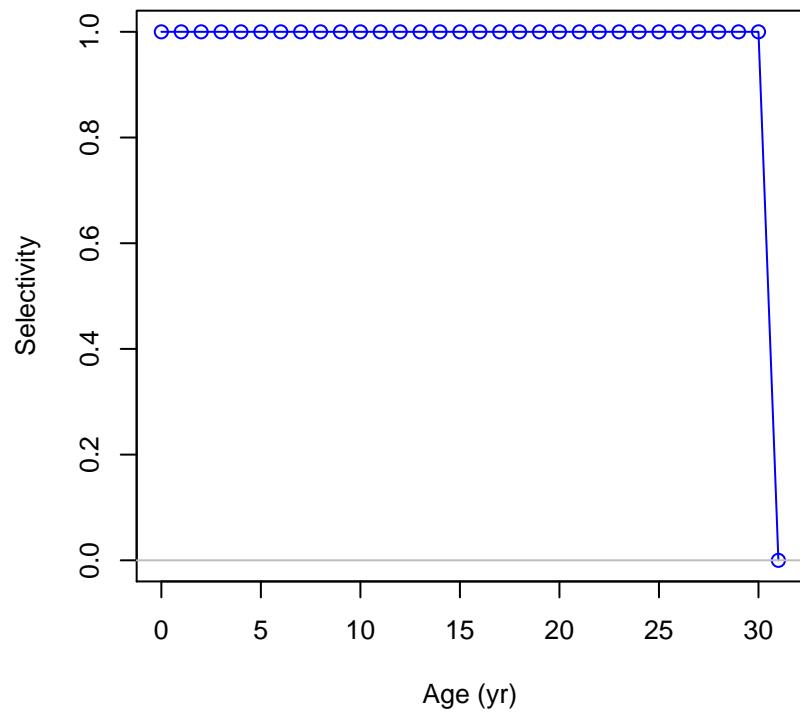
Male ending year selectivity for F10_JPN_DS



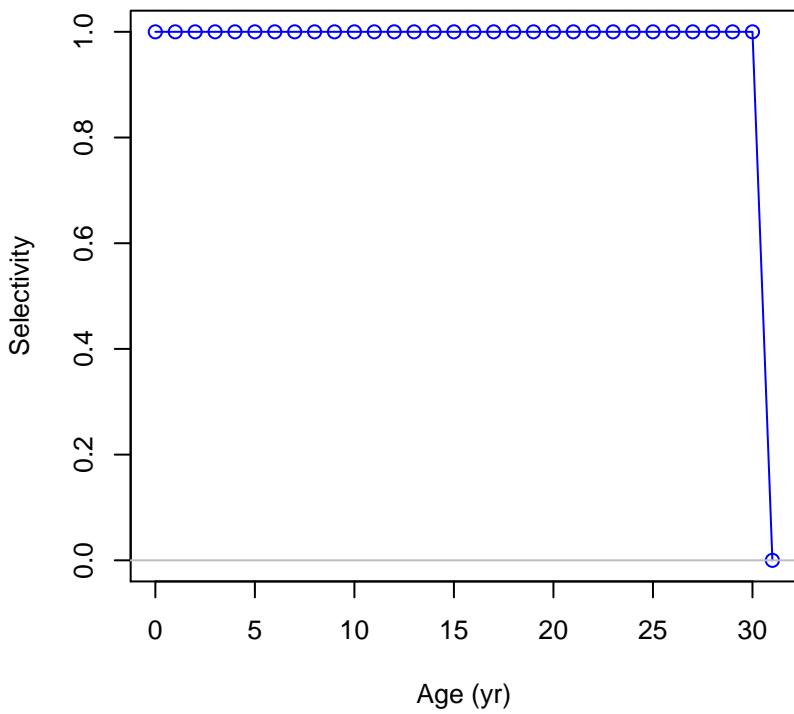
Female ending year selectivity for F11_JPN_CST



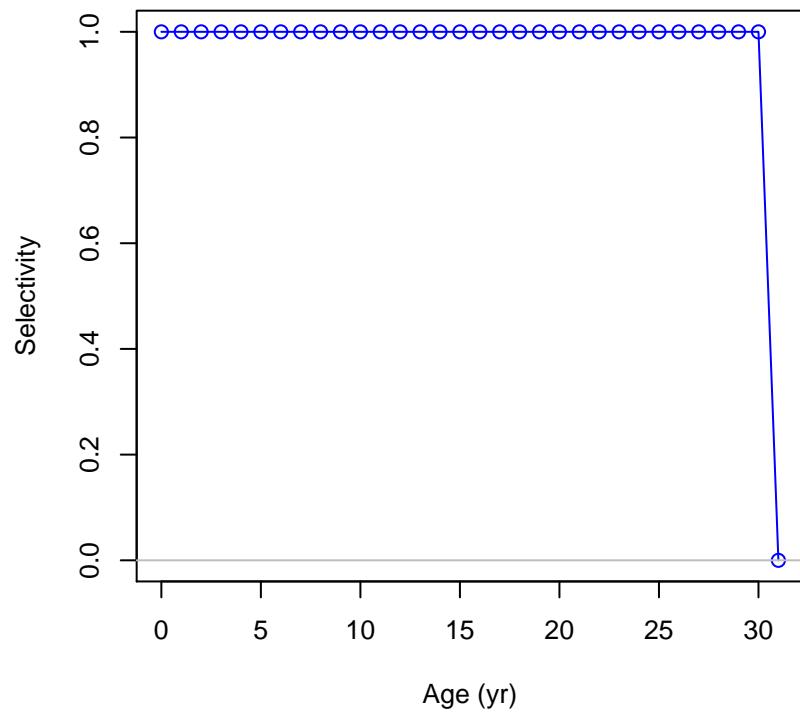
Female ending year selectivity for F12_JPN_DFN



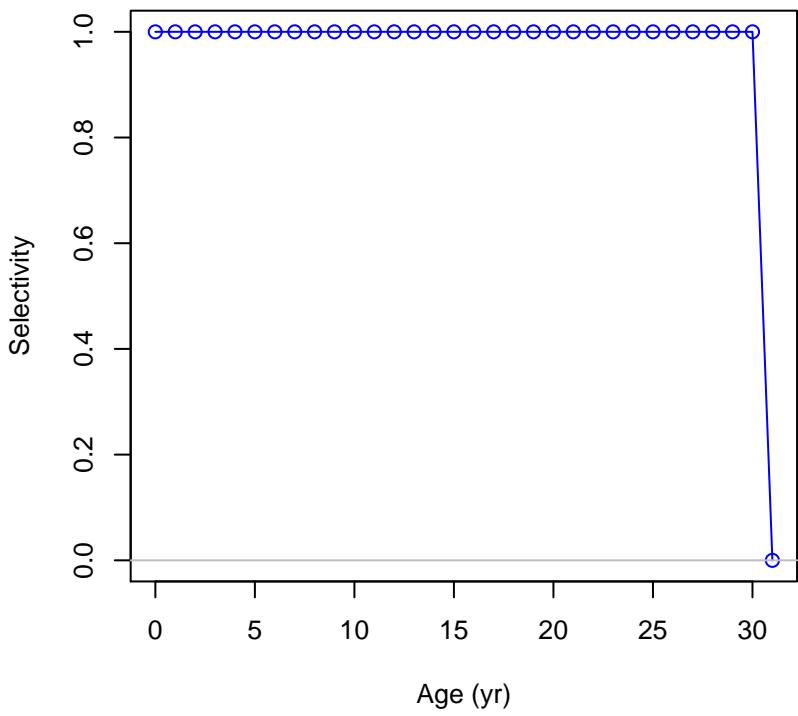
Male ending year selectivity for F11_JPN_CST



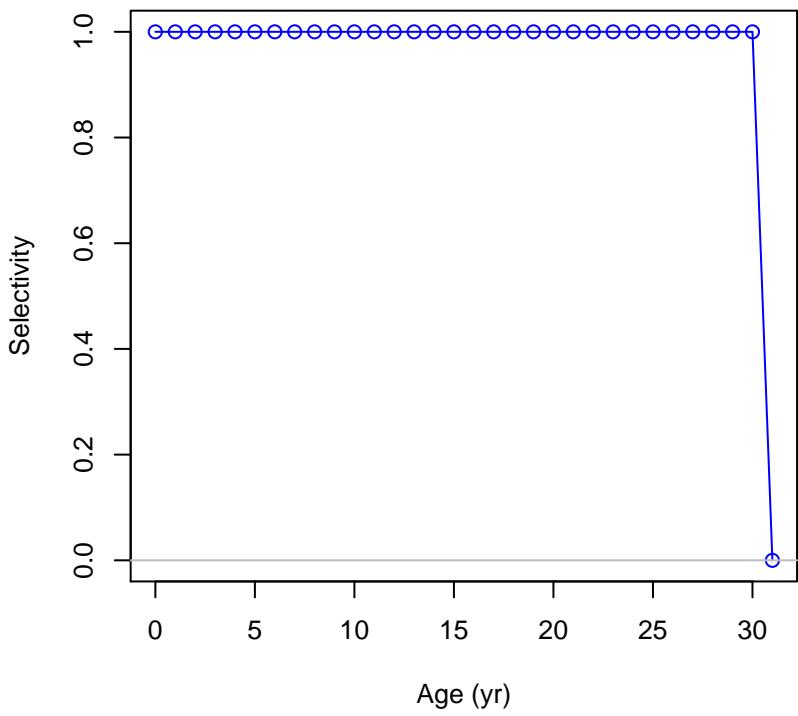
Male ending year selectivity for F12_JPN_DFN



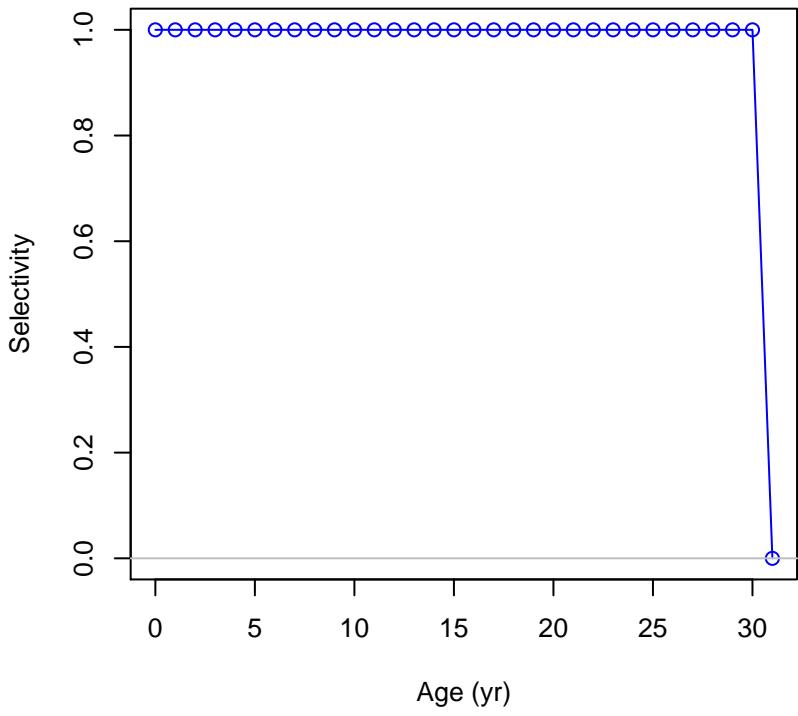
Female ending year selectivity for F13_JPN_OTH



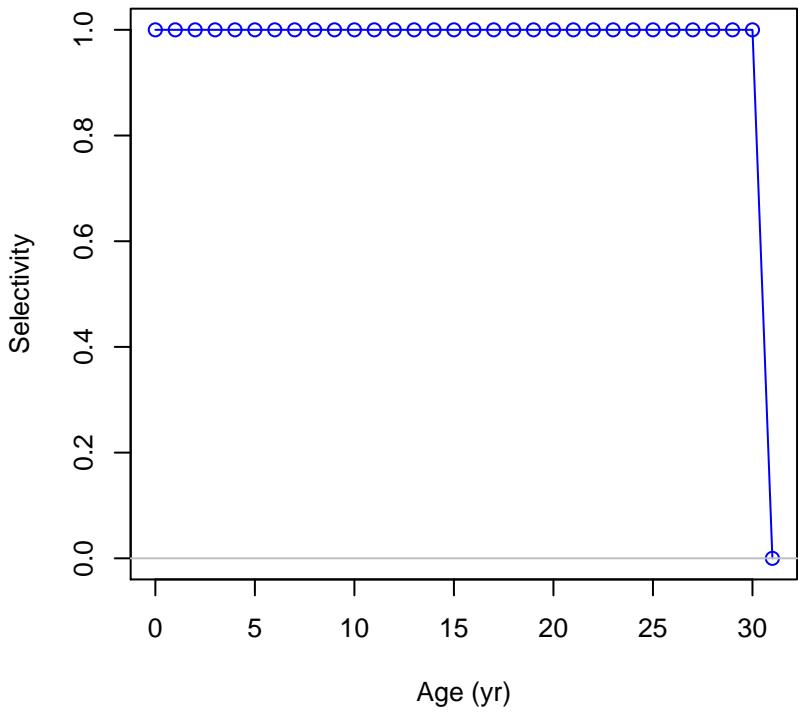
Female ending year selectivity for F14_MEX_NOR



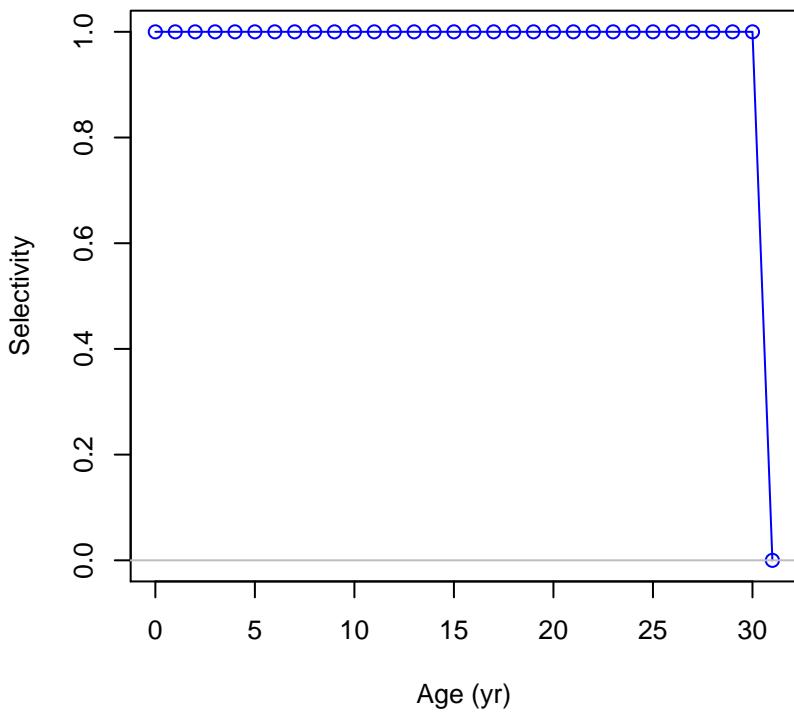
Male ending year selectivity for F13_JPN_OTH



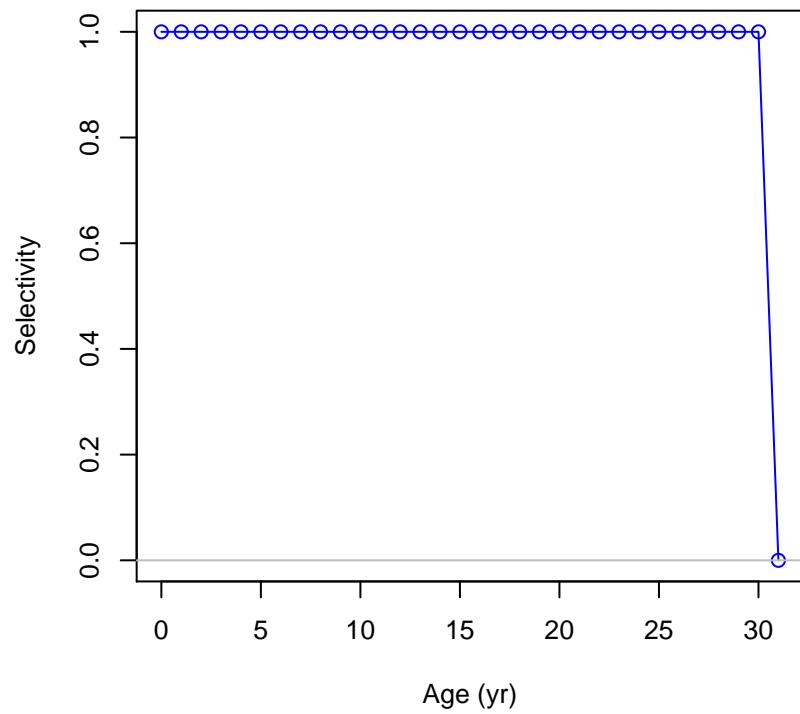
Male ending year selectivity for F14_MEX_NOR



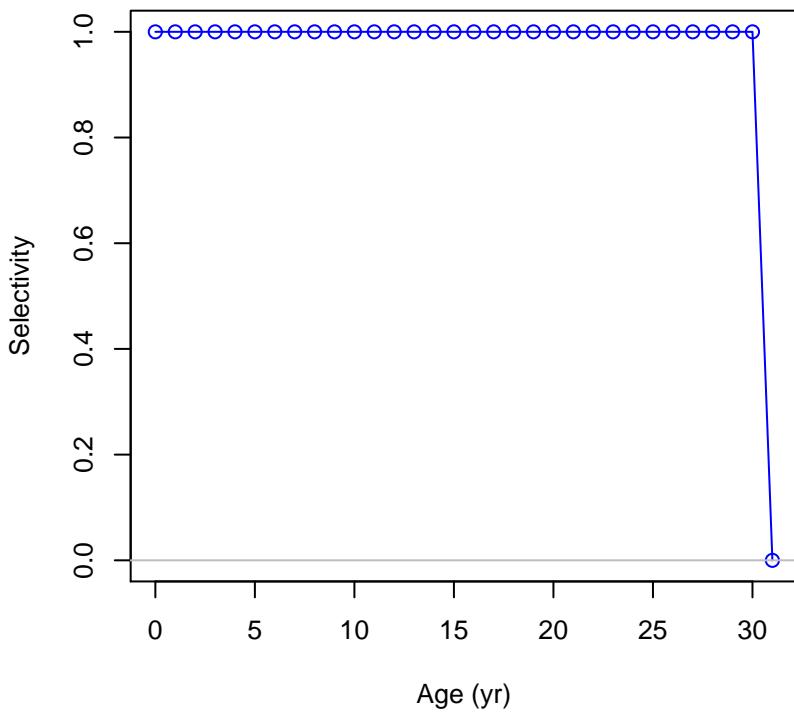
Female ending year selectivity for F15_MEX_SOU



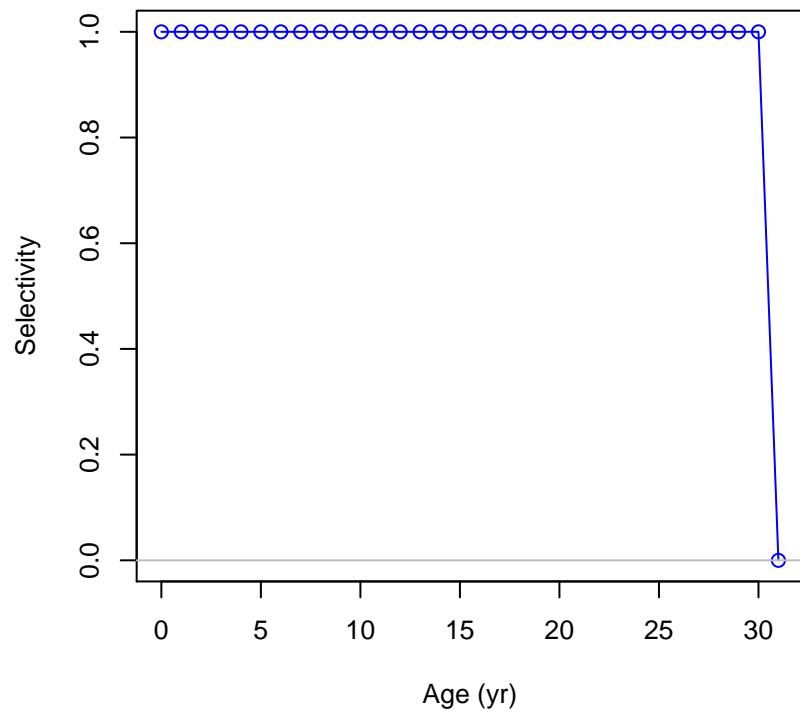
Female ending year selectivity for F16_WCPFC



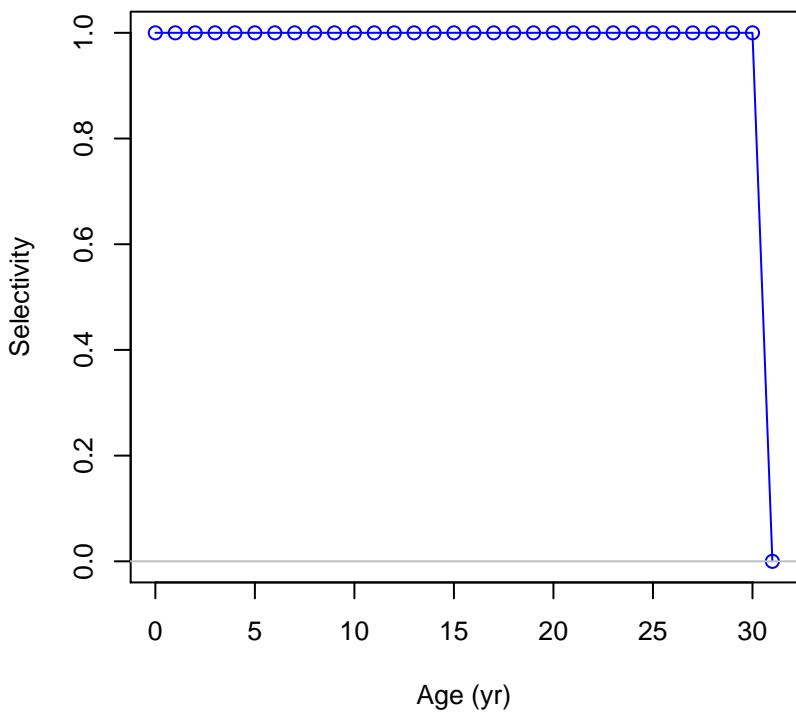
Male ending year selectivity for F15_MEX_SOU



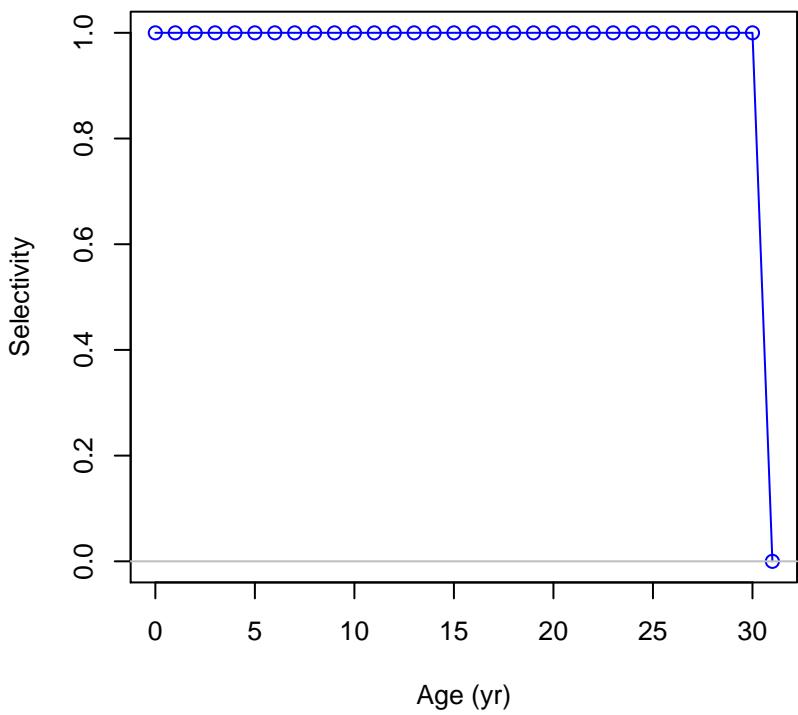
Male ending year selectivity for F16_WCPFC



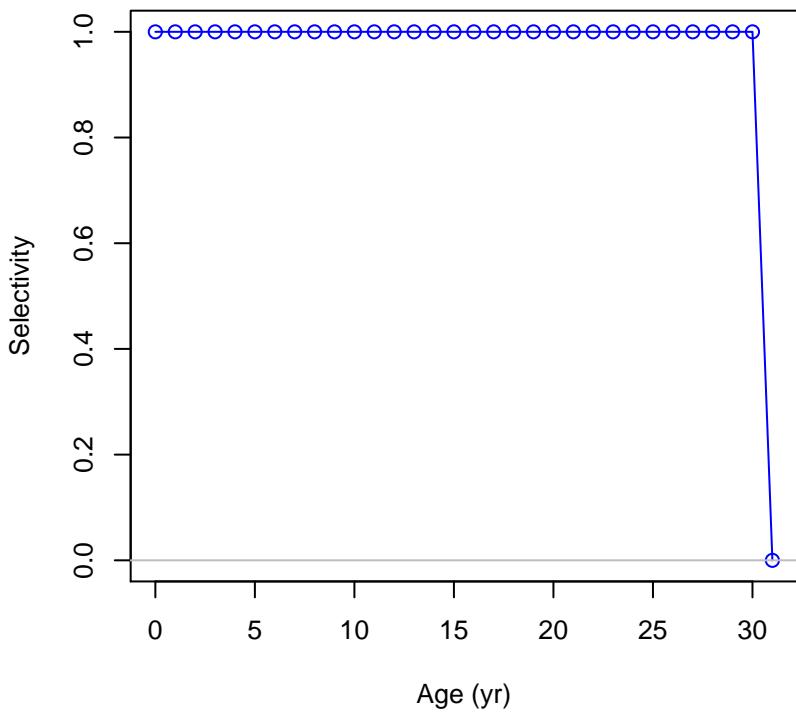
Female ending year selectivity for F17_IATTC



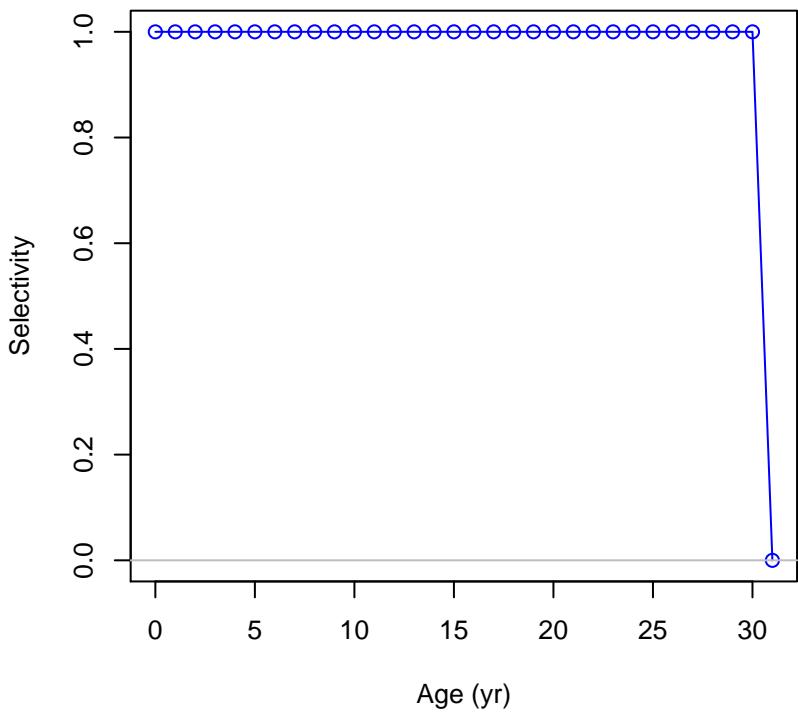
Female ending year selectivity for F18_JPN_SSII



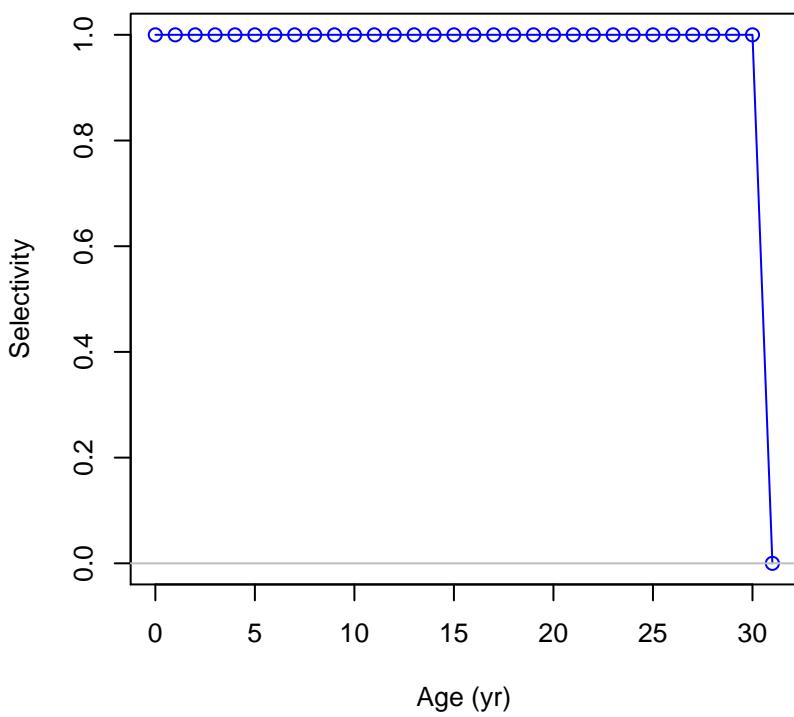
Male ending year selectivity for F17_IATTC



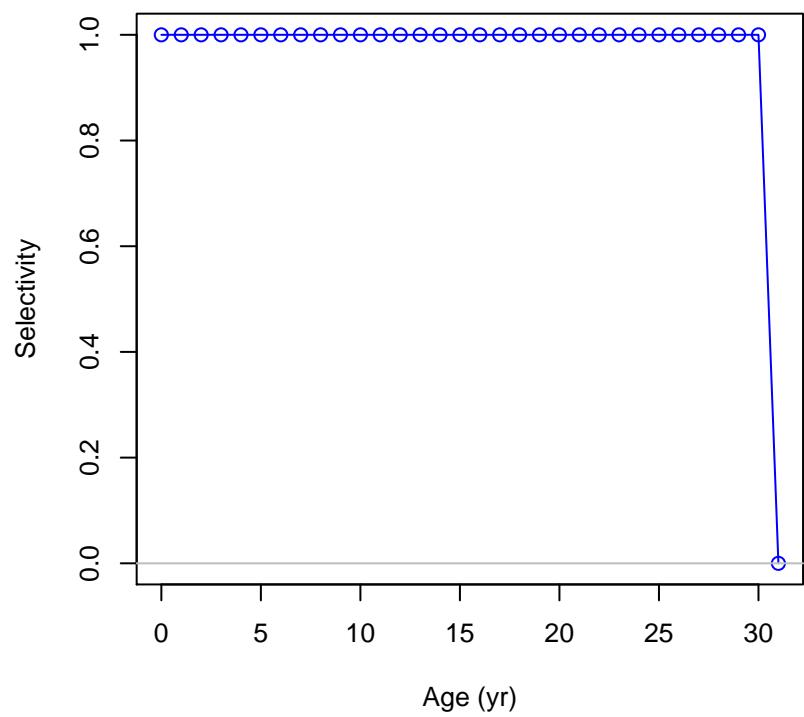
Male ending year selectivity for F18_JPN_SSII



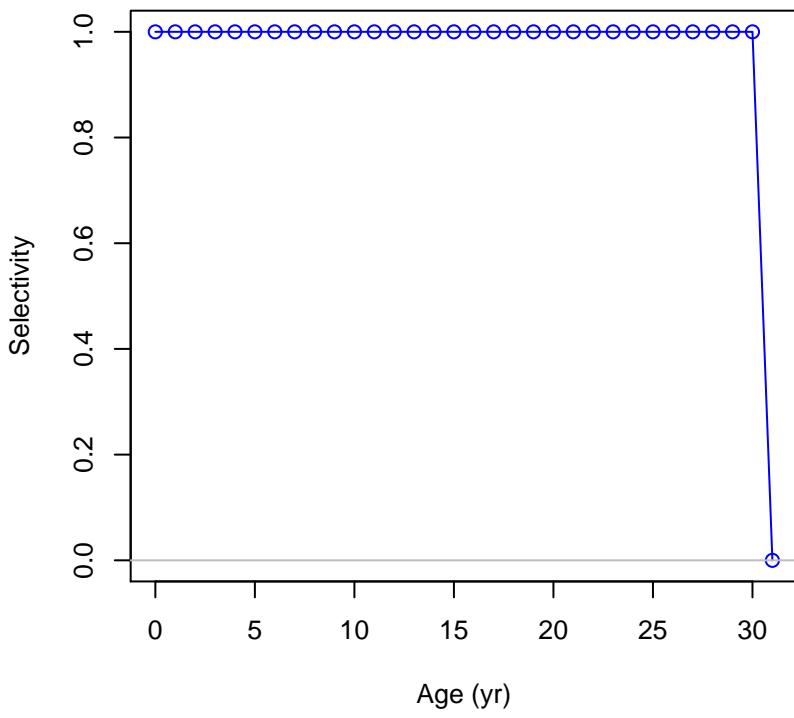
Female ending year selectivity for S1_US_SS



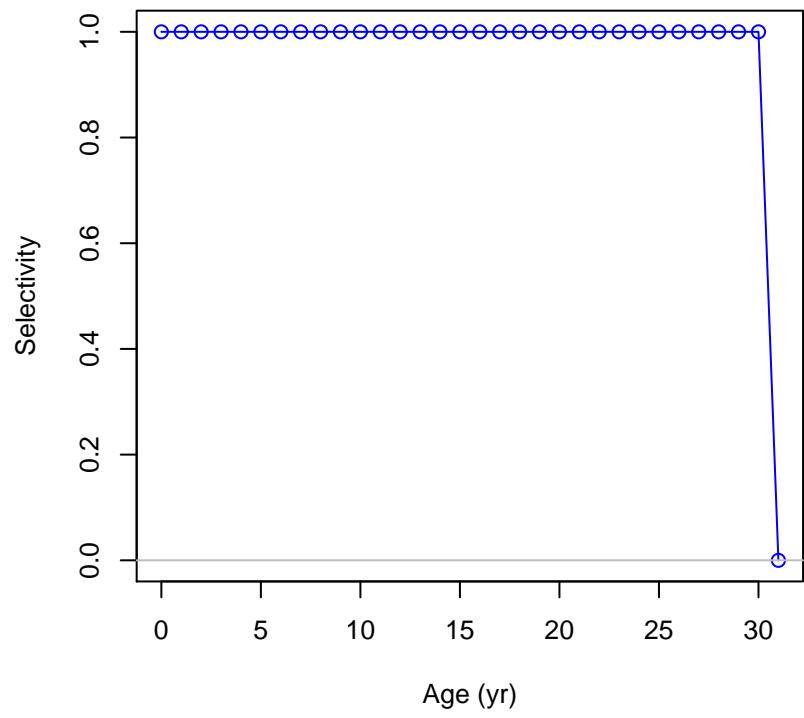
Female ending year selectivity for S2_US_DS



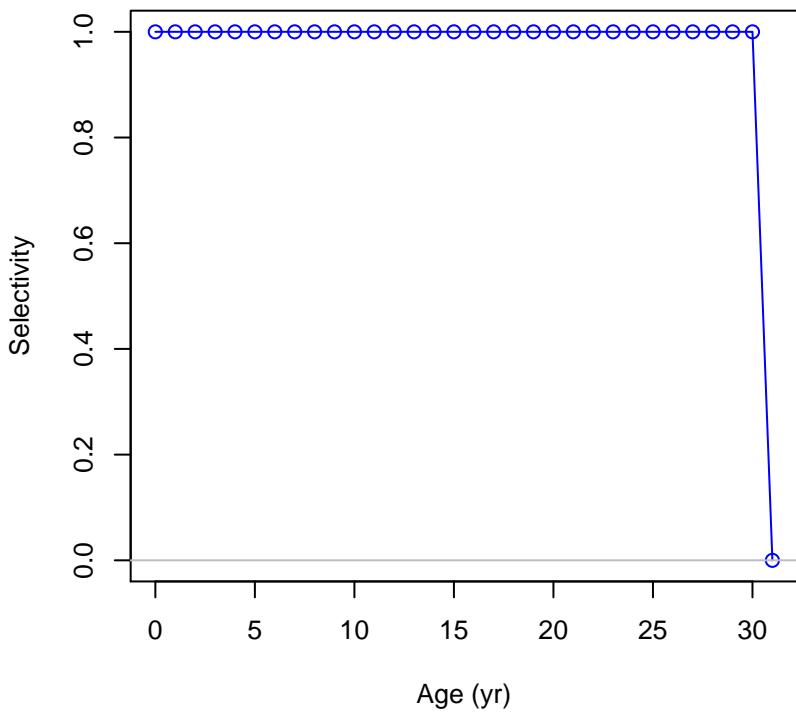
Male ending year selectivity for S1_US_SS



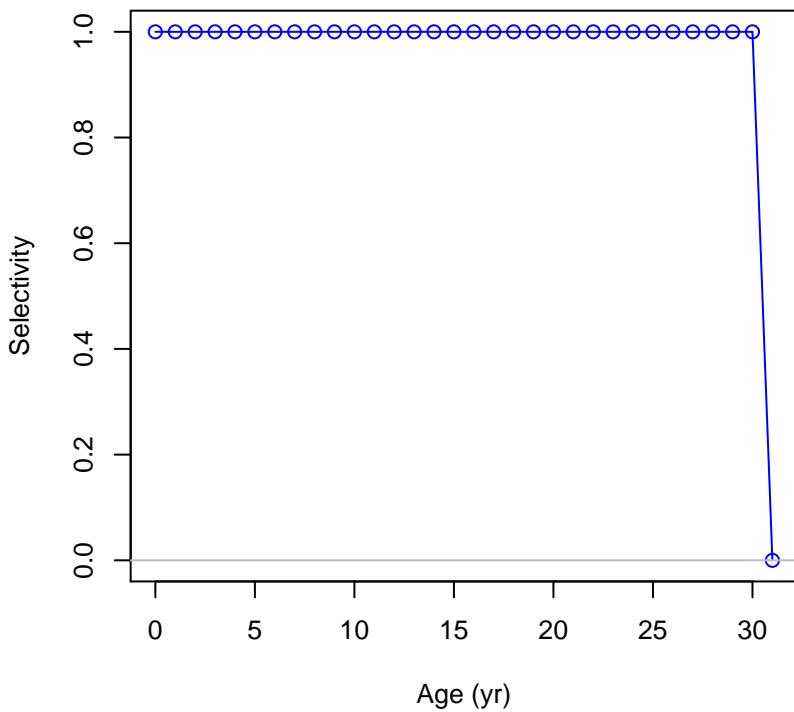
Male ending year selectivity for S2_US_DS



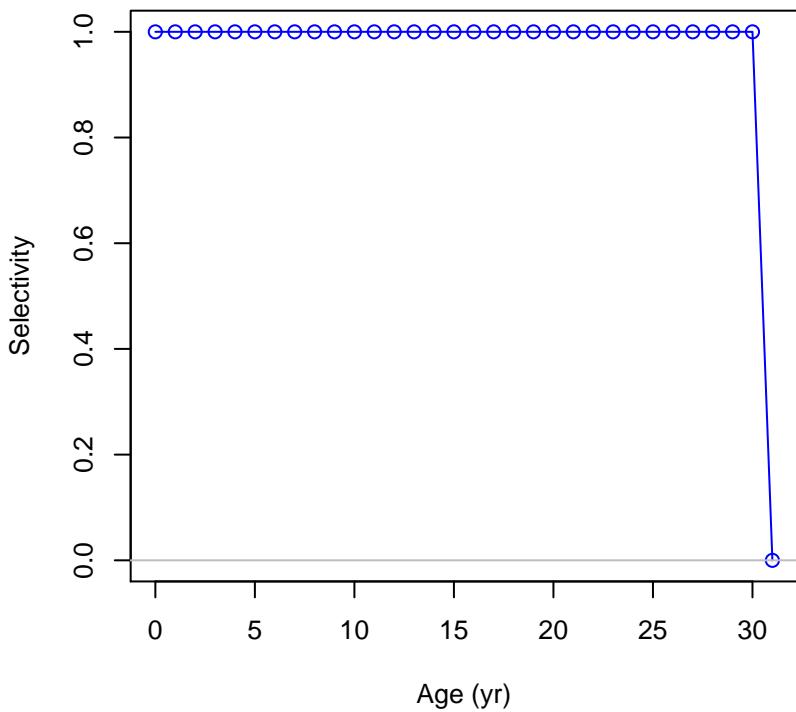
Female ending year selectivity for S3_TW_LRG



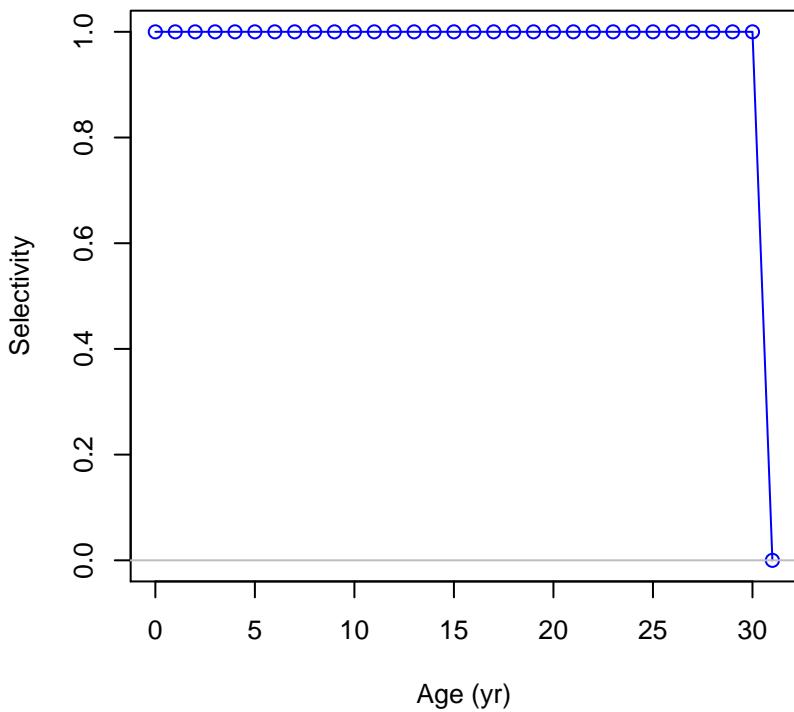
Female ending year selectivity for S4_JPN_SS



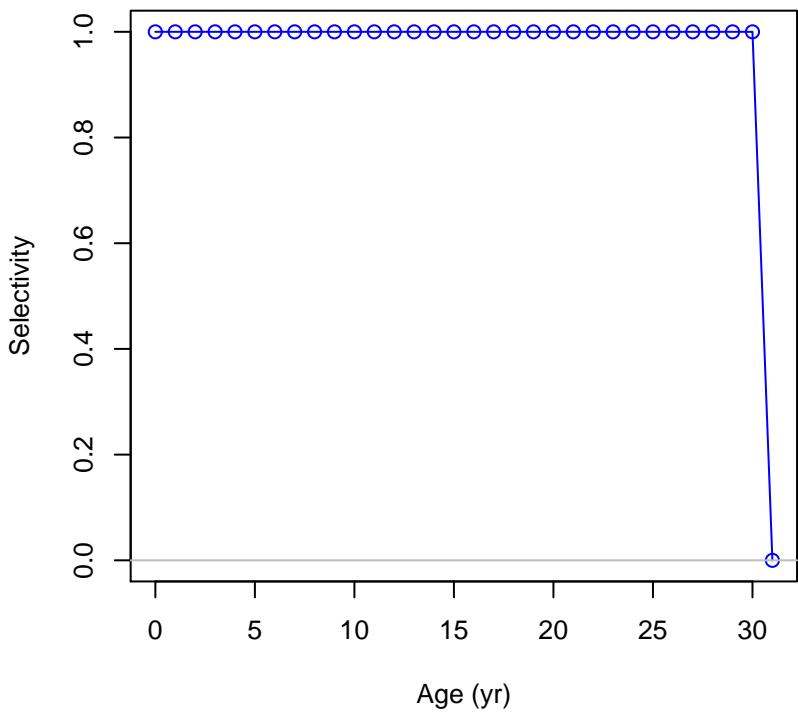
Male ending year selectivity for S3_TW_LRG



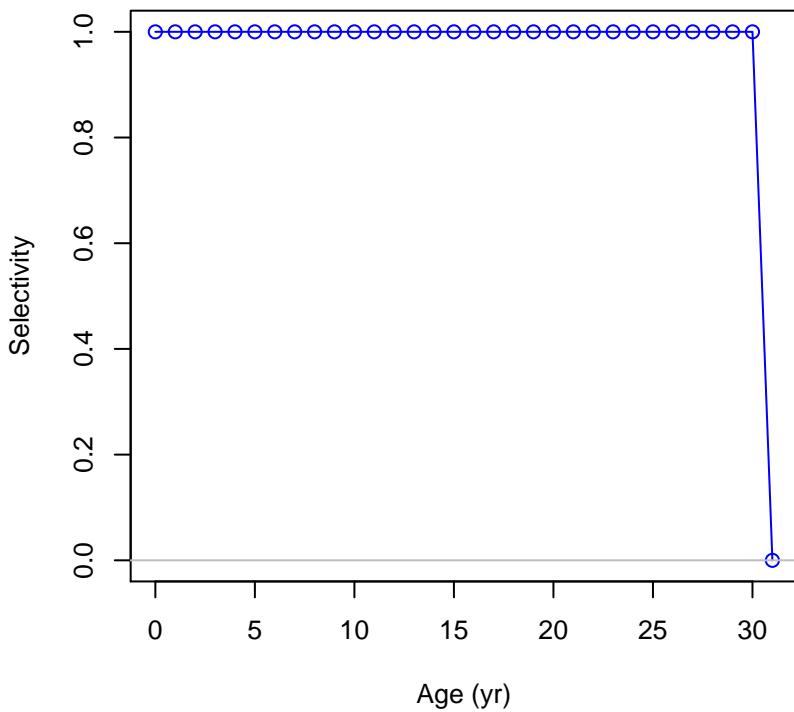
Male ending year selectivity for S4_JPN_SS



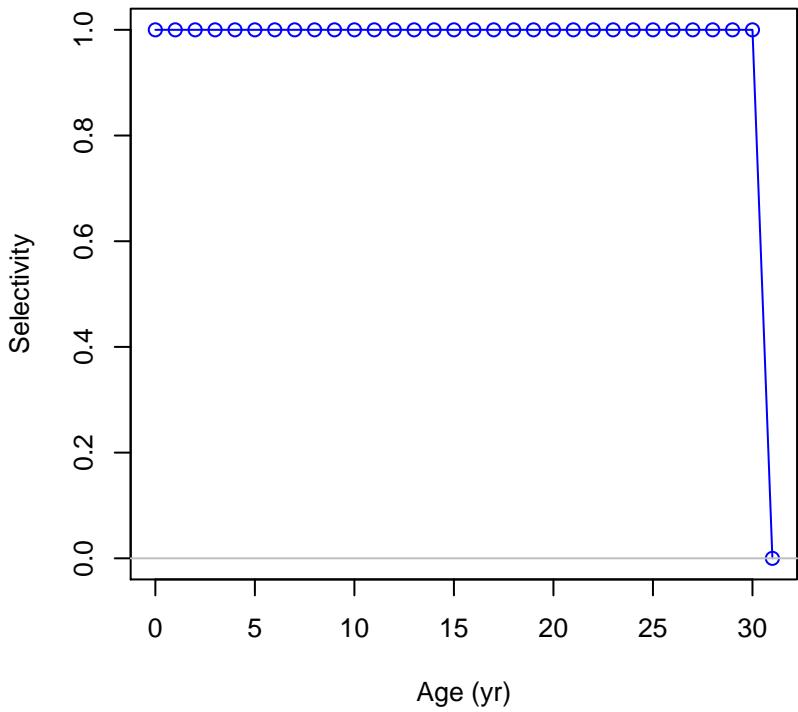
Female ending year selectivity for S5_JPN_RTV



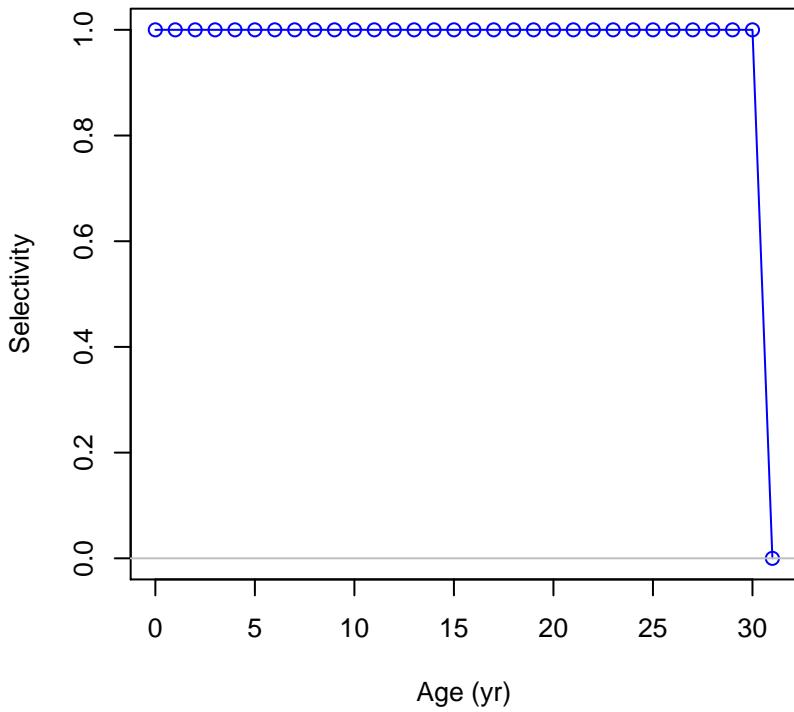
Female ending year selectivity for S6_JPN_OBS



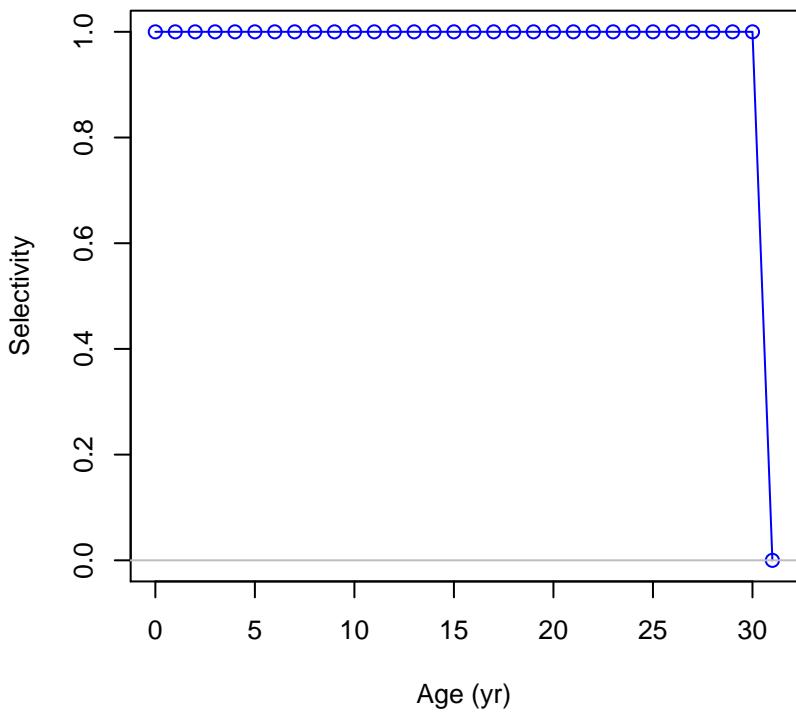
Male ending year selectivity for S5_JPN_RTV



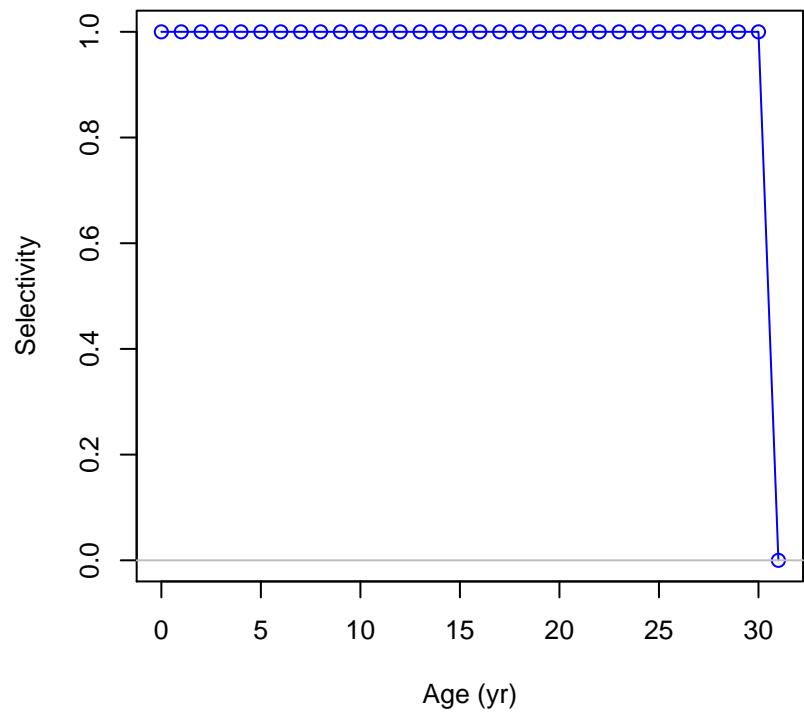
Male ending year selectivity for S6_JPN_OBS



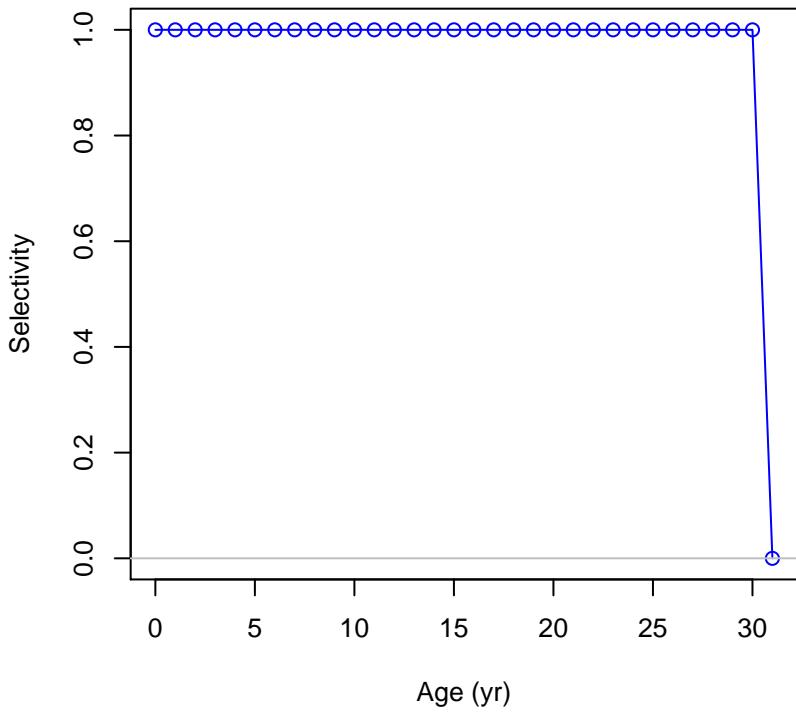
Female ending year selectivity for S7_JPN_GEO



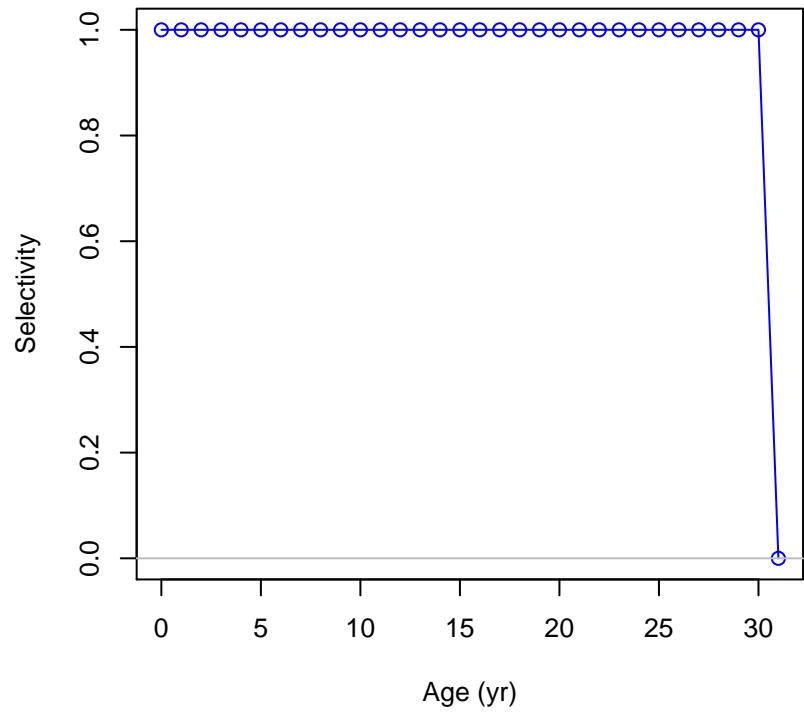
Female ending year selectivity for S8_MEX



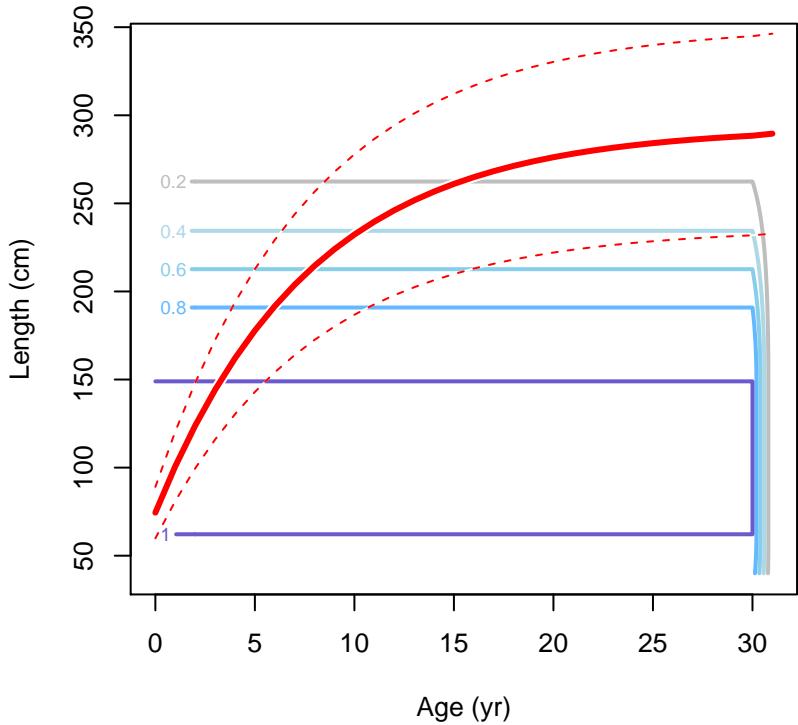
Male ending year selectivity for S7_JPN_GEO



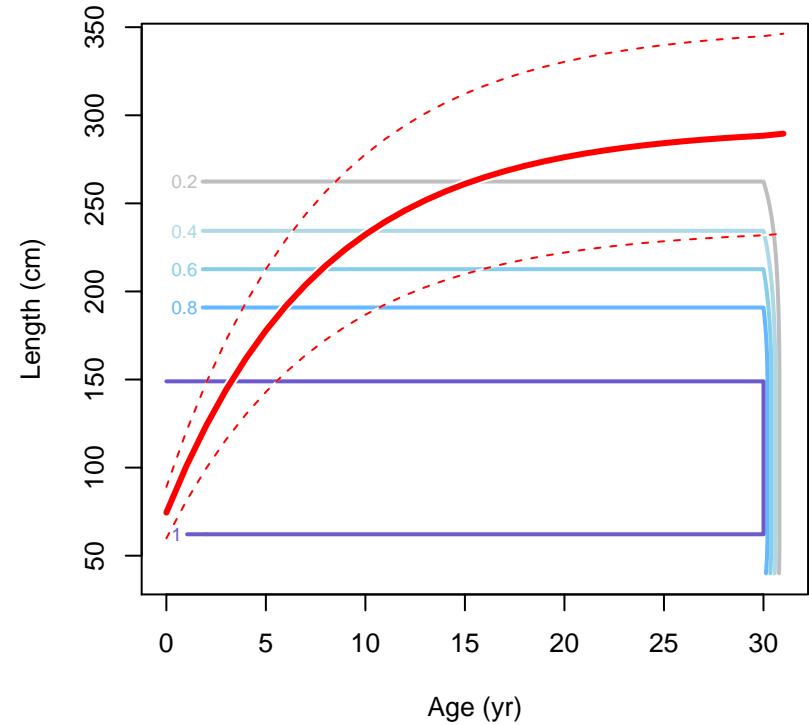
Male ending year selectivity for S8_MEX



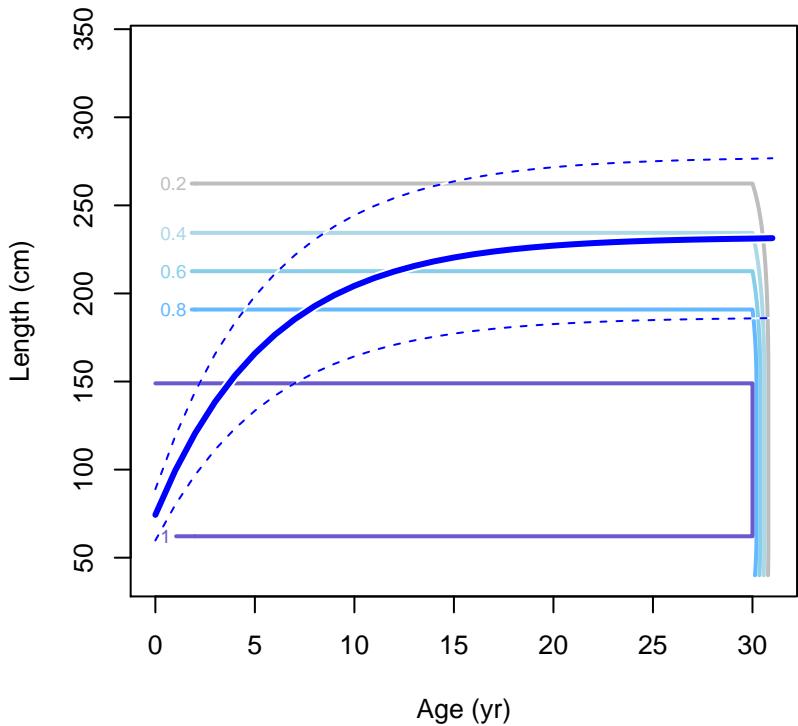
Female ending year selectivity and growth for F1_US_CA



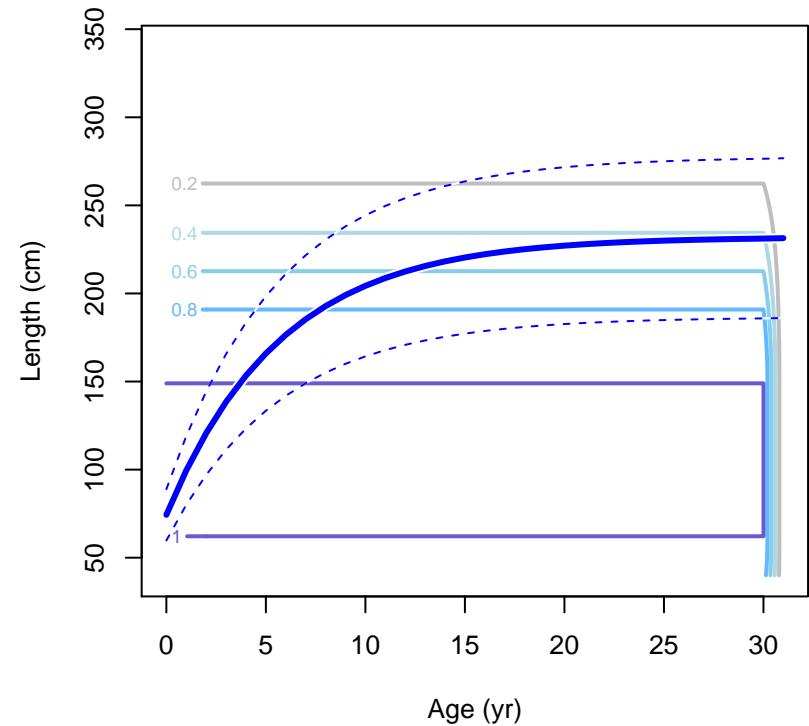
Female ending year selectivity and growth for F2_US_HI_SS



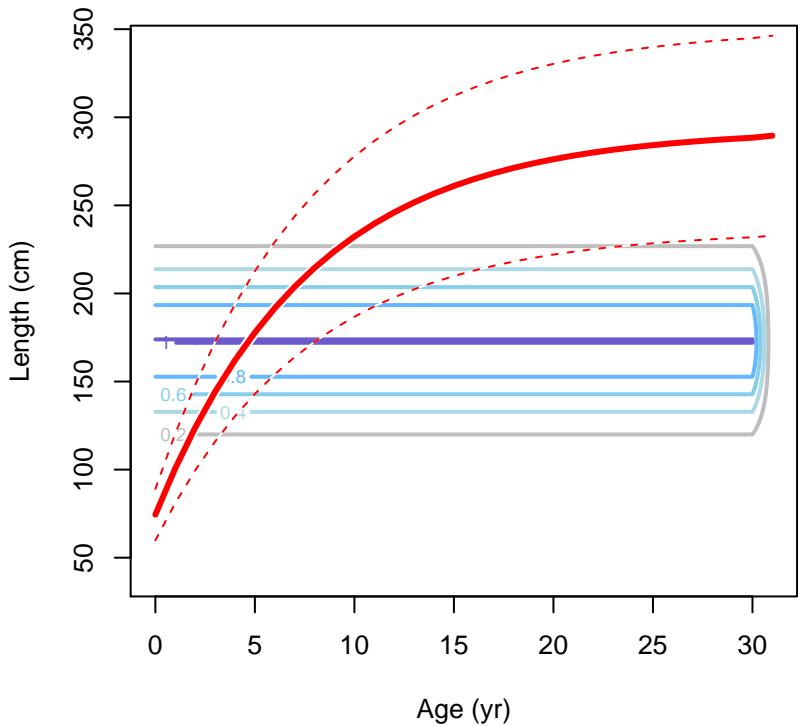
Male ending year selectivity and growth for F1_US_CA



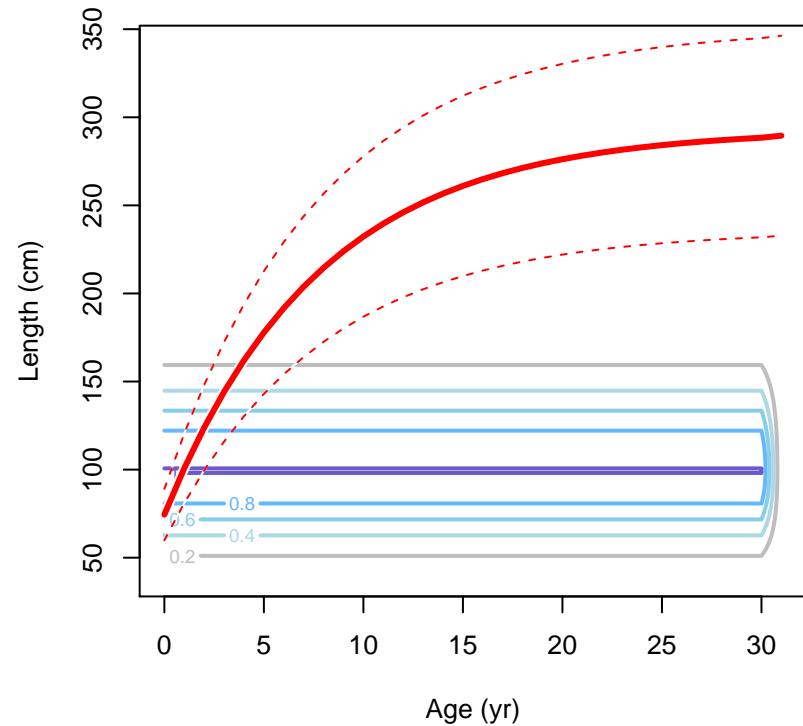
Male ending year selectivity and growth for F2_US_HI_SS



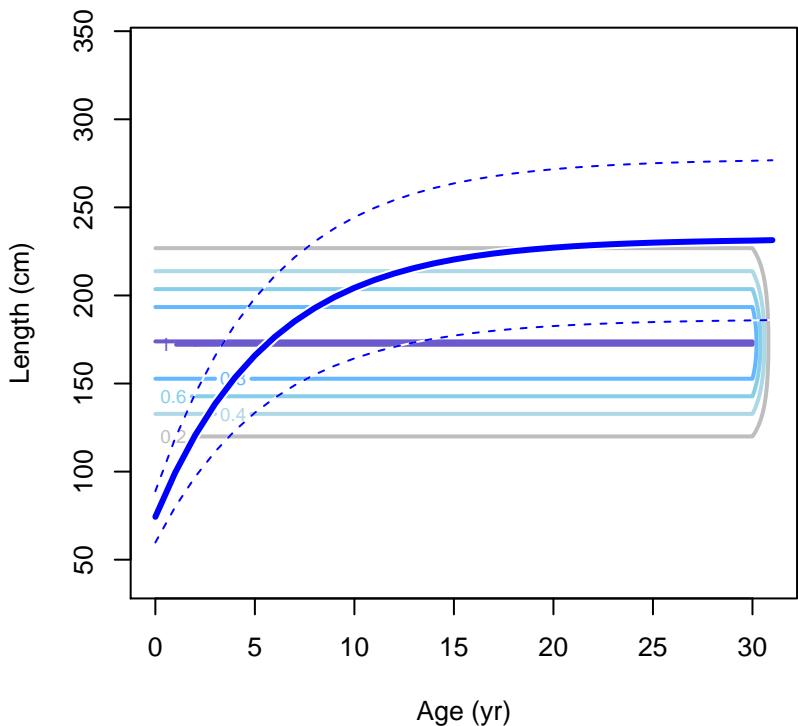
Female ending year selectivity and growth for F3_US_HI_DS



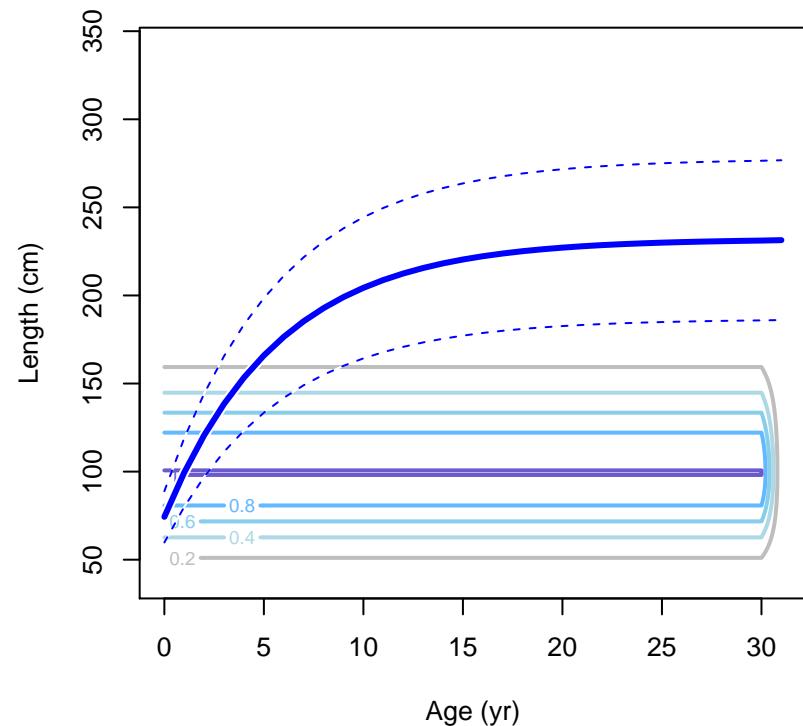
Female ending year selectivity and growth for F4_US_DGN



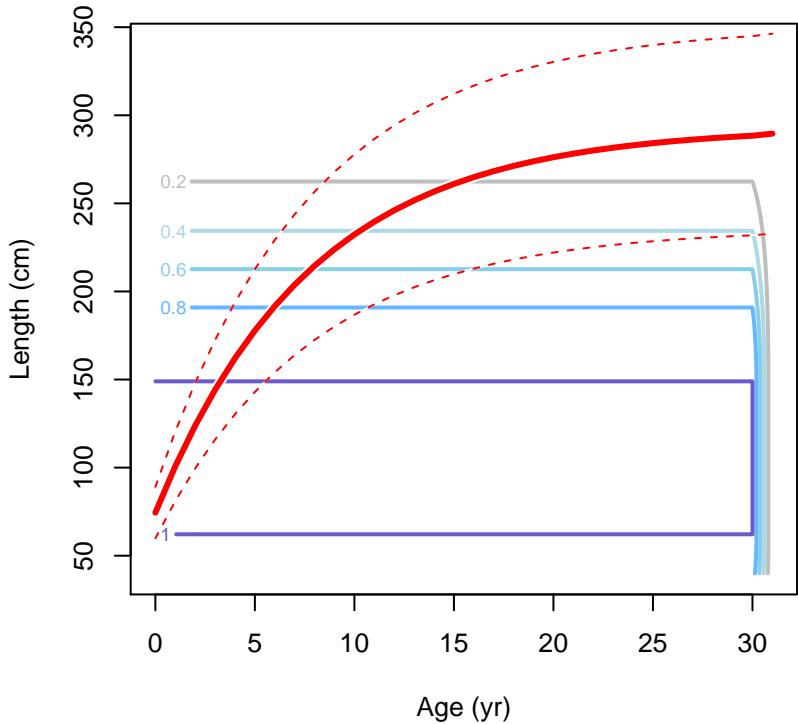
Male ending year selectivity and growth for F3_US_HI_DS



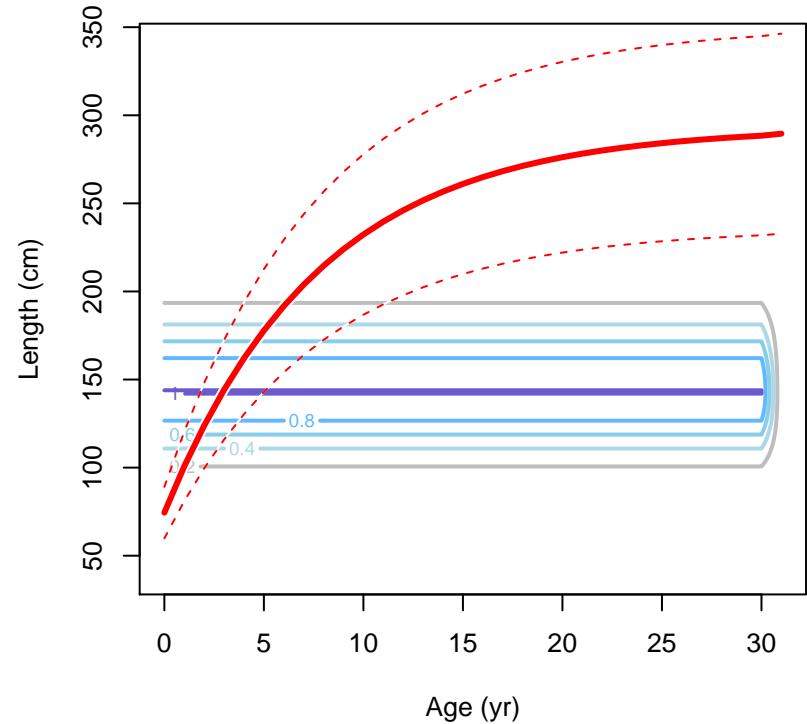
Male ending year selectivity and growth for F4_US_DGN



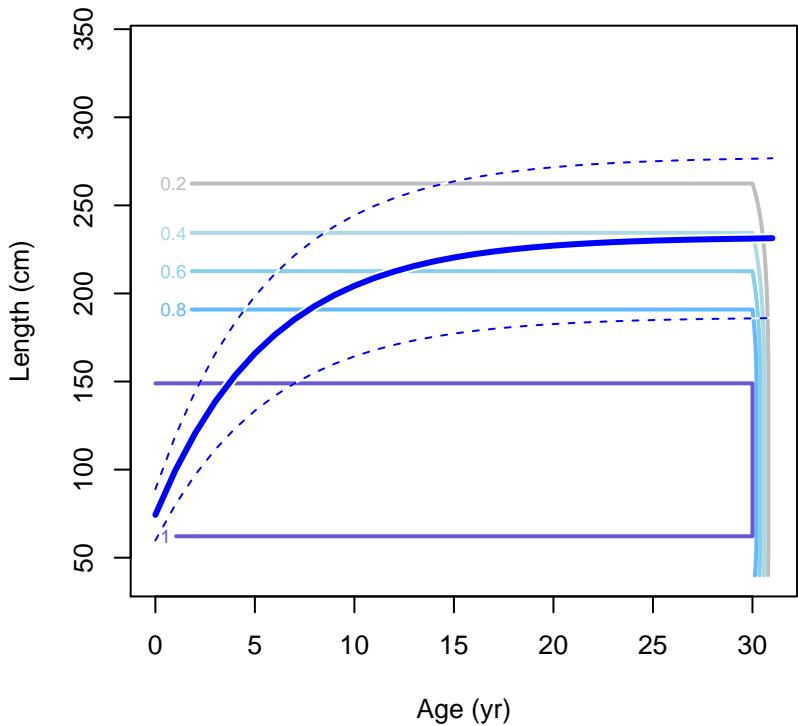
Female ending year selectivity and growth for F5_US_REC



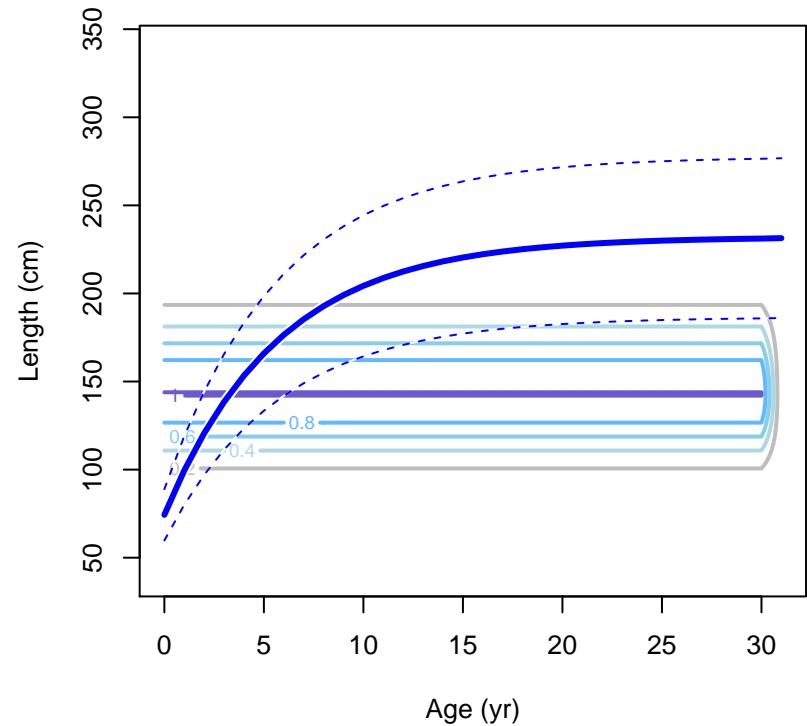
Female ending year selectivity and growth for F6_TW_LRG_N



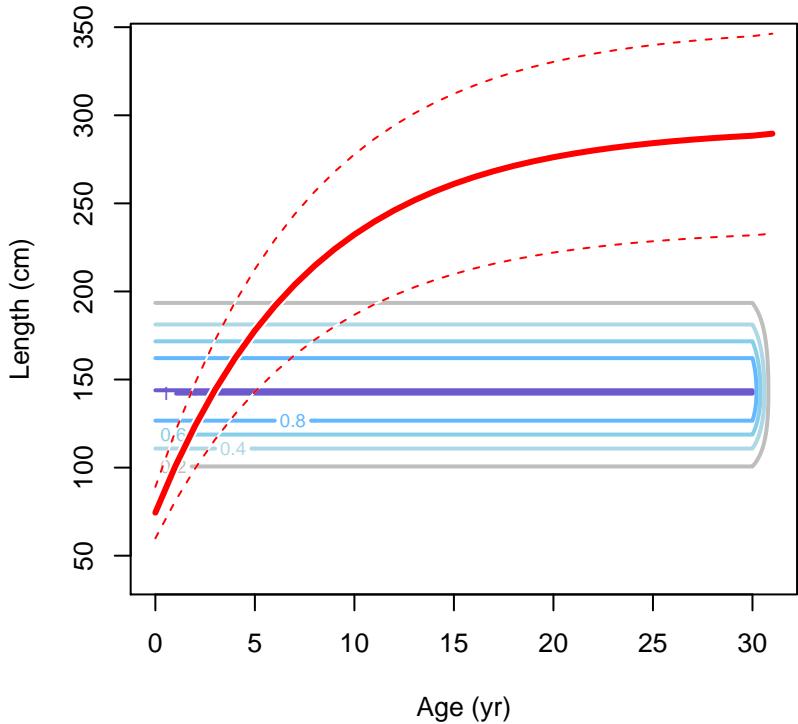
Male ending year selectivity and growth for F5_US_REC



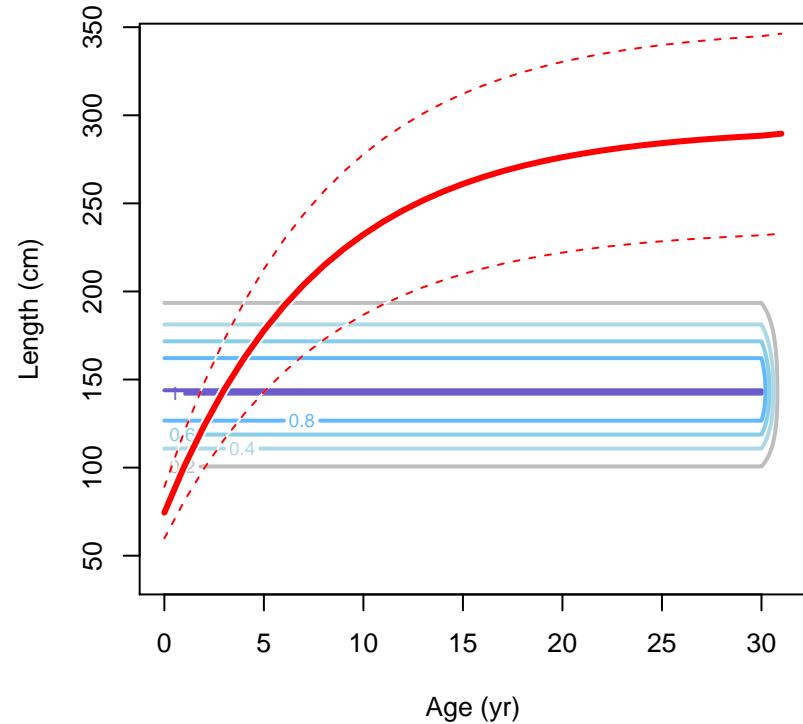
Male ending year selectivity and growth for F6_TW_LRG_N



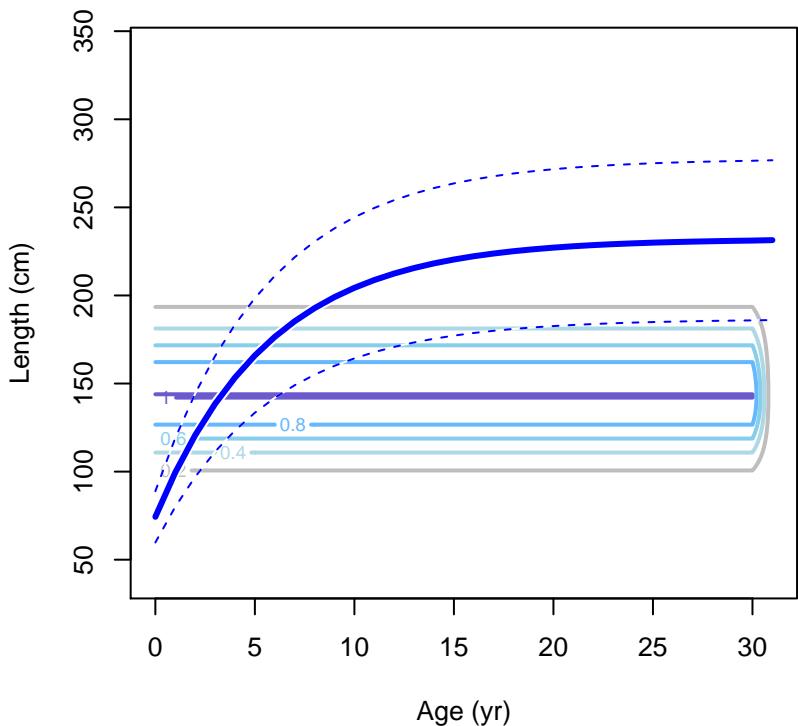
Female ending year selectivity and growth for F7_TW_LRG_S



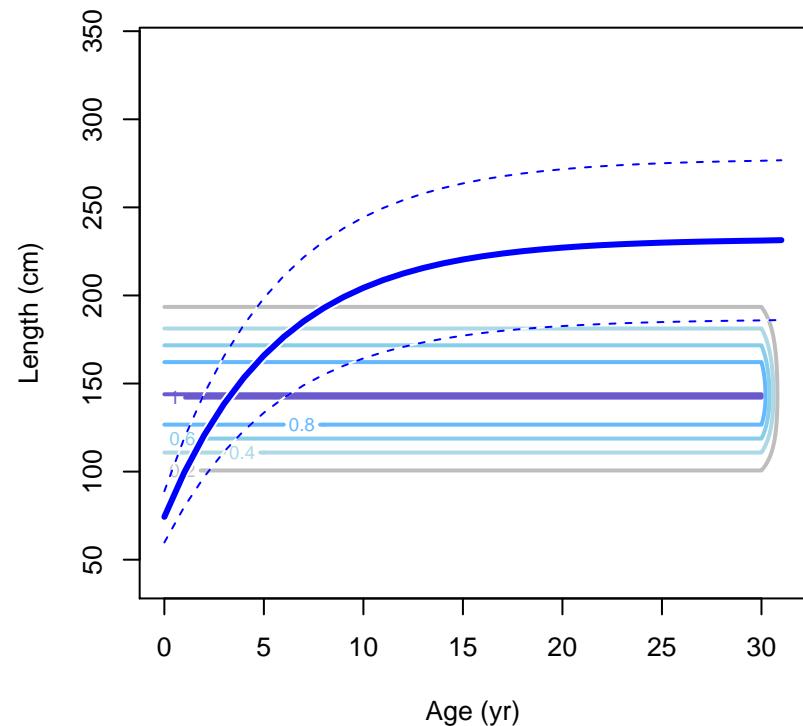
Female ending year selectivity and growth for F8_TW_SML



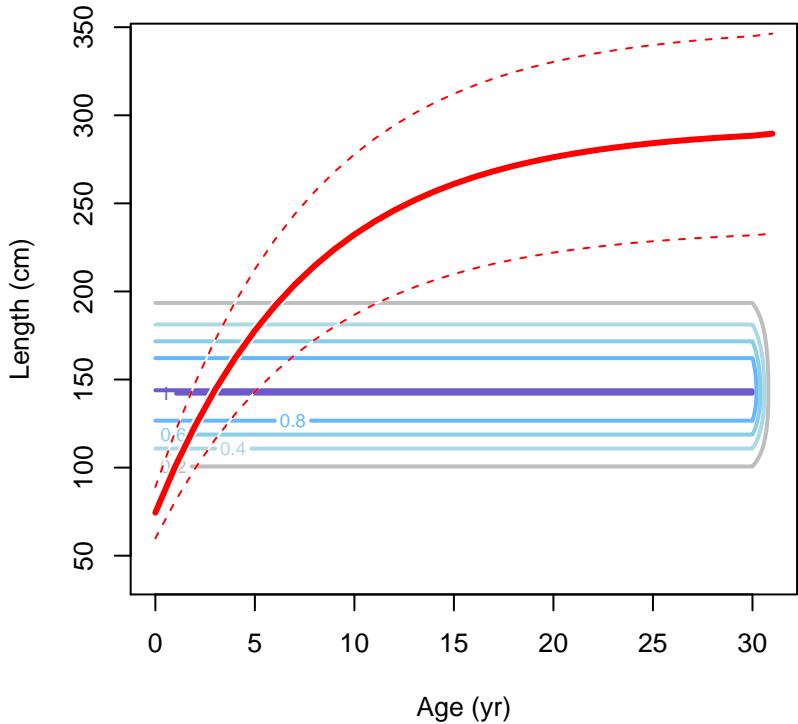
Male ending year selectivity and growth for F7_TW_LRG_S



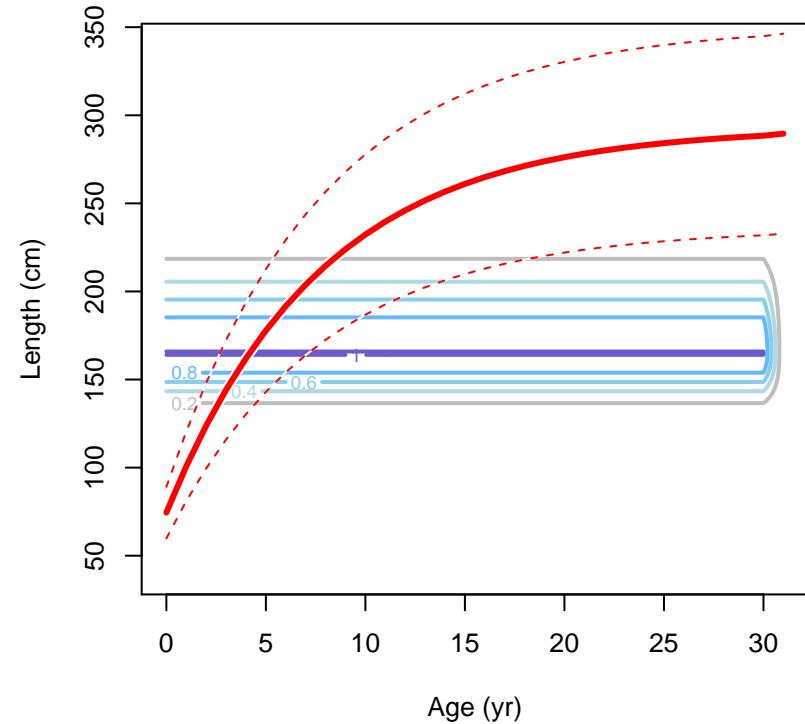
Male ending year selectivity and growth for F8_TW_SML



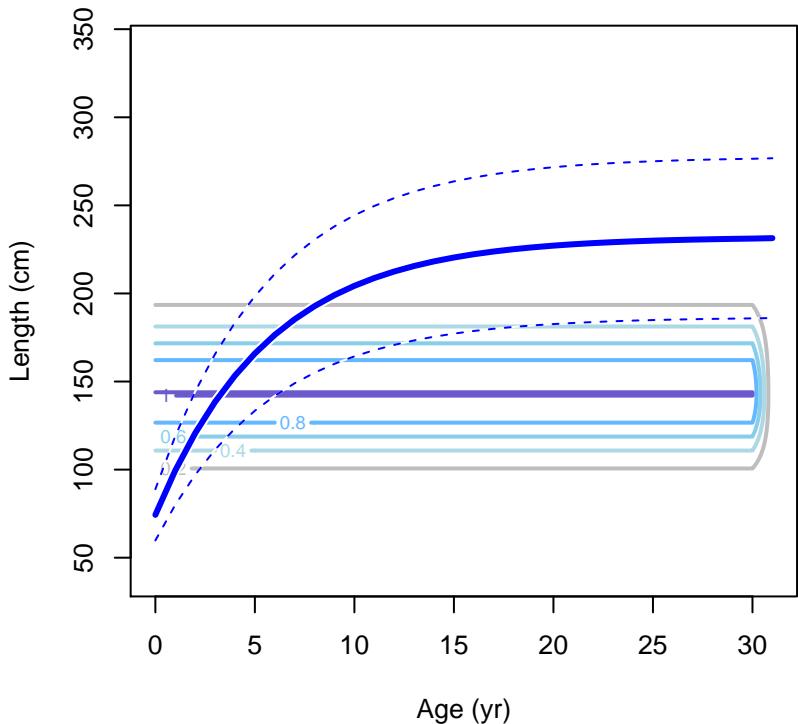
Female ending year selectivity and growth for F9_JPN_SS



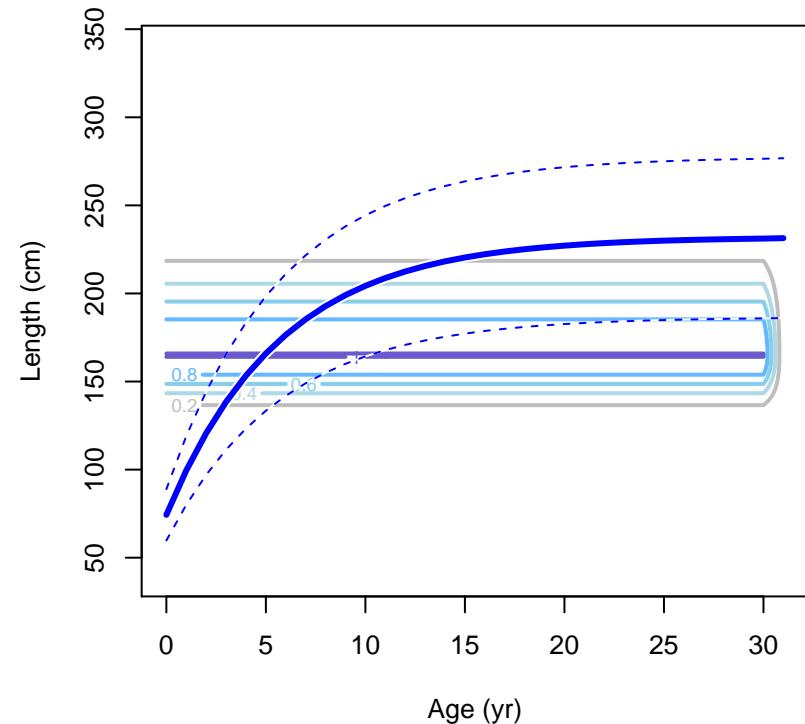
Female ending year selectivity and growth for F10_JPN_DS



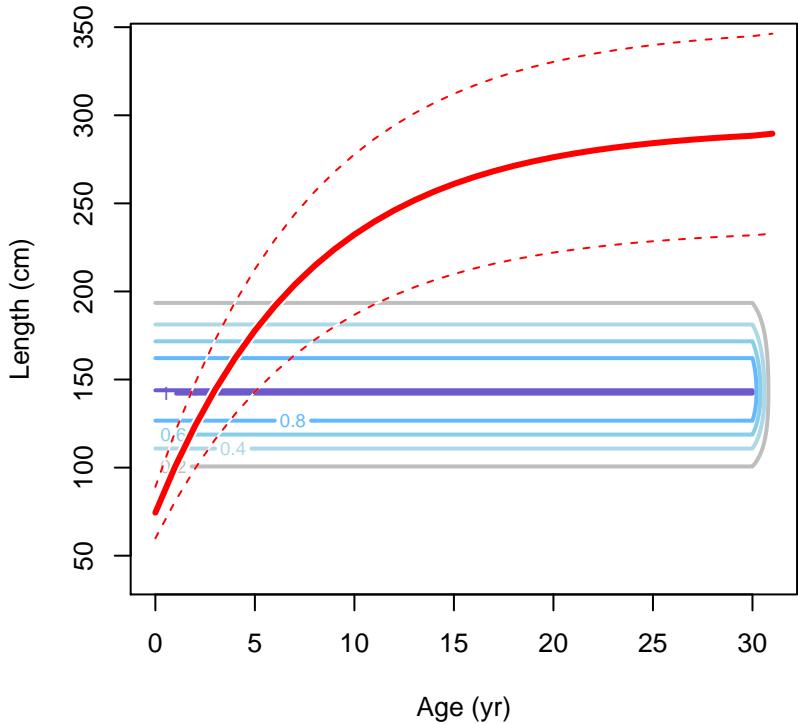
Male ending year selectivity and growth for F9_JPN_SS



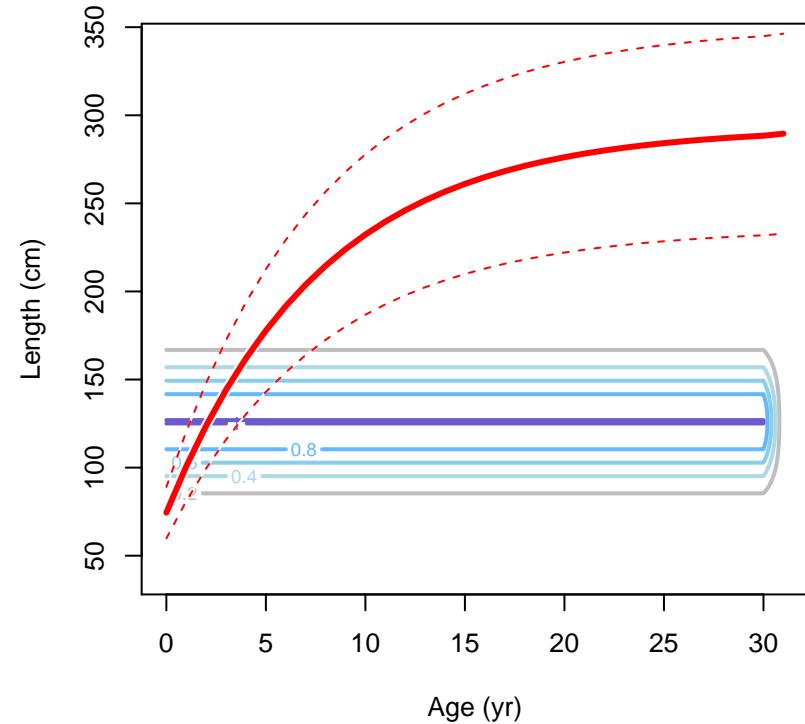
Male ending year selectivity and growth for F10_JPN_DS



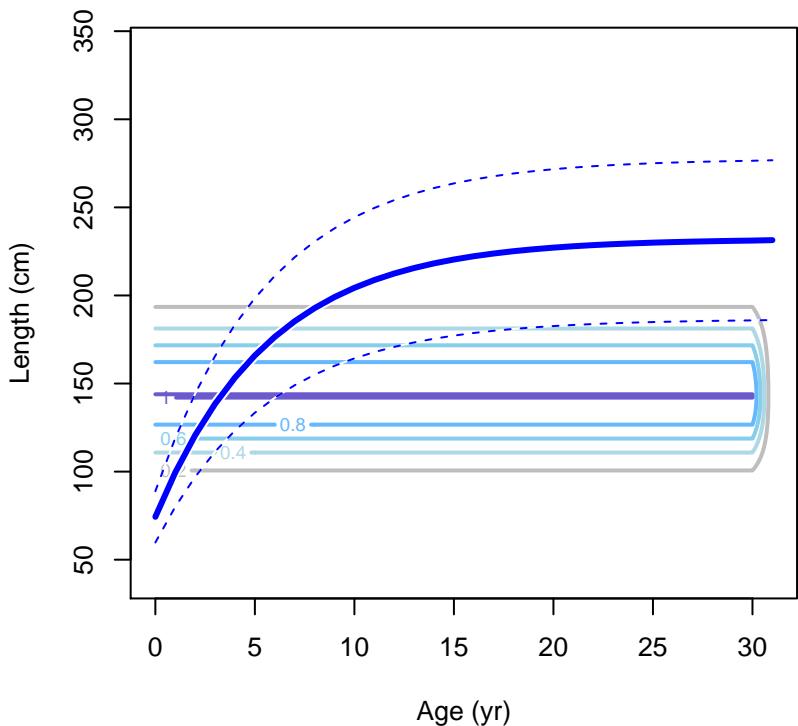
Female ending year selectivity and growth for F11_JPN_CST



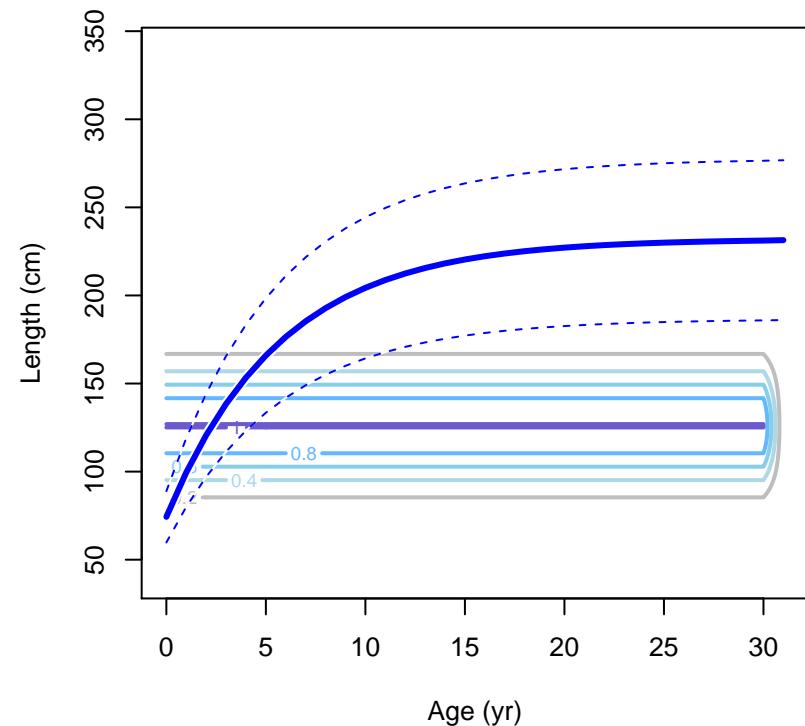
Female ending year selectivity and growth for F12_JPN_DFN



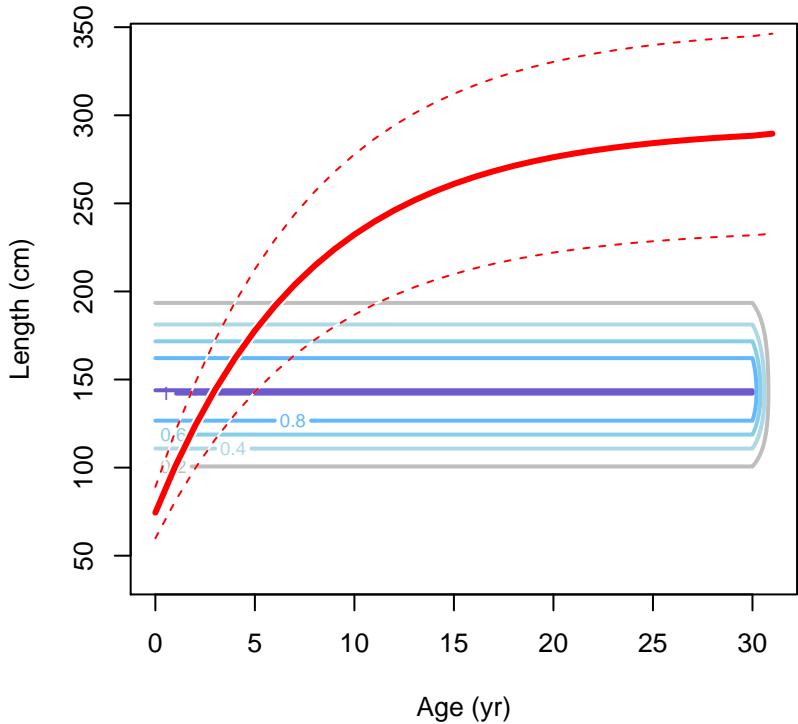
Male ending year selectivity and growth for F11_JPN_CST



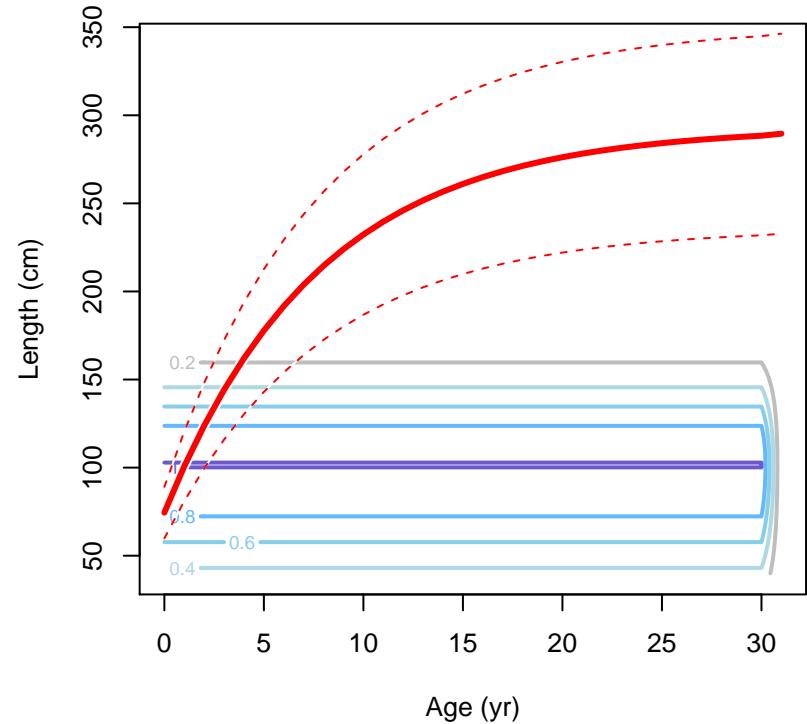
Male ending year selectivity and growth for F12_JPN_DFN



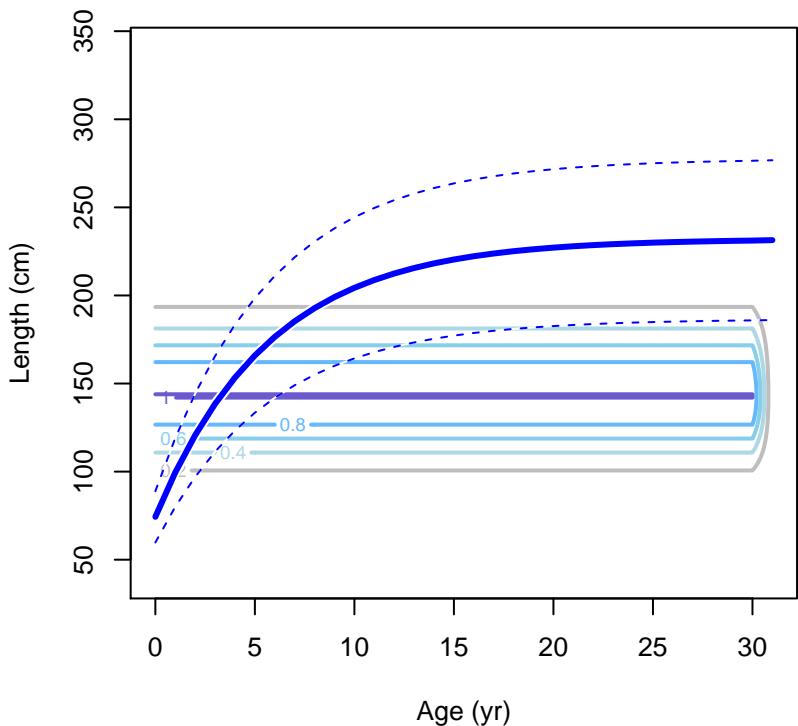
Female ending year selectivity and growth for F13_JPN_OTH



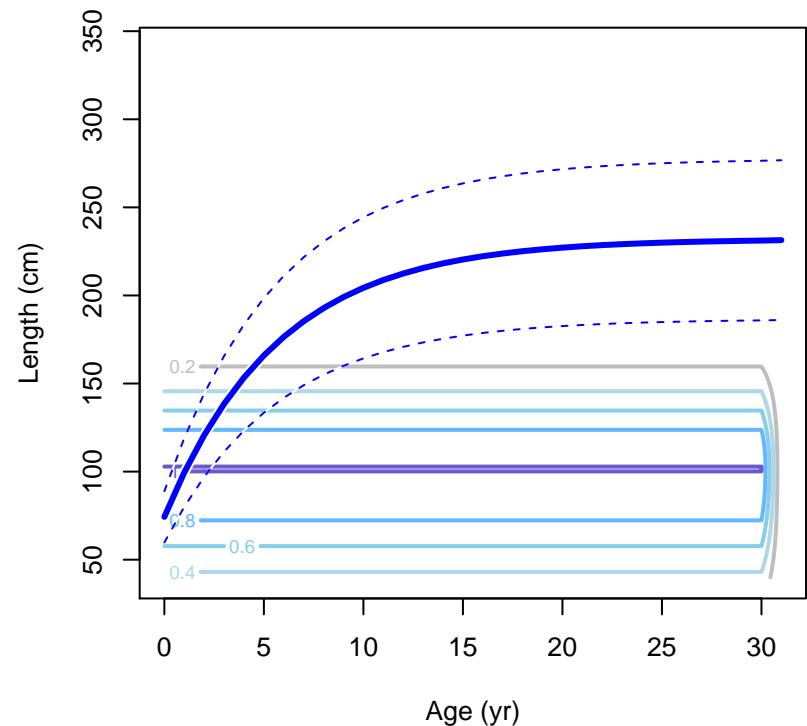
Female ending year selectivity and growth for F14_MEX_NOR



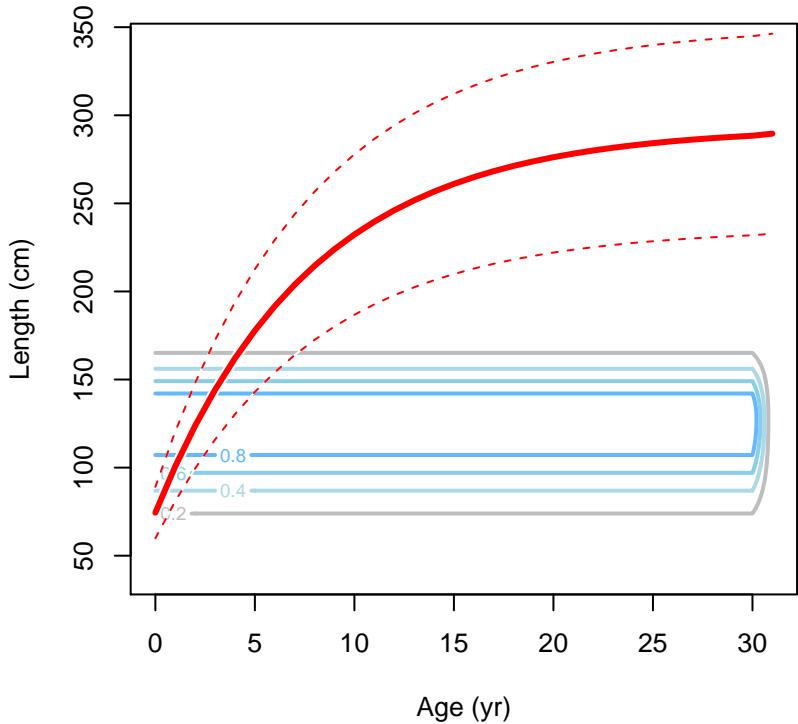
Male ending year selectivity and growth for F13_JPN_OTH



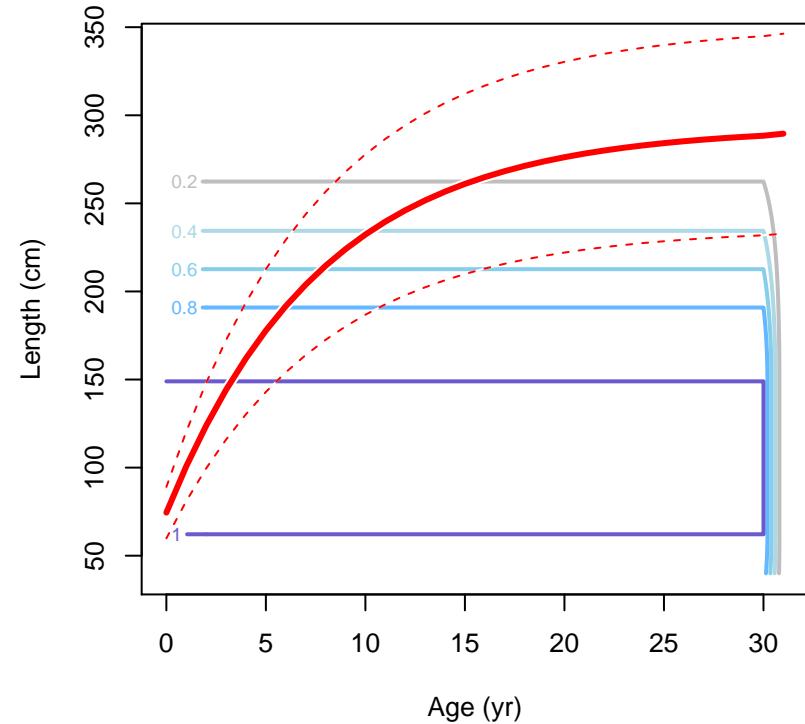
Male ending year selectivity and growth for F14_MEX_NOR



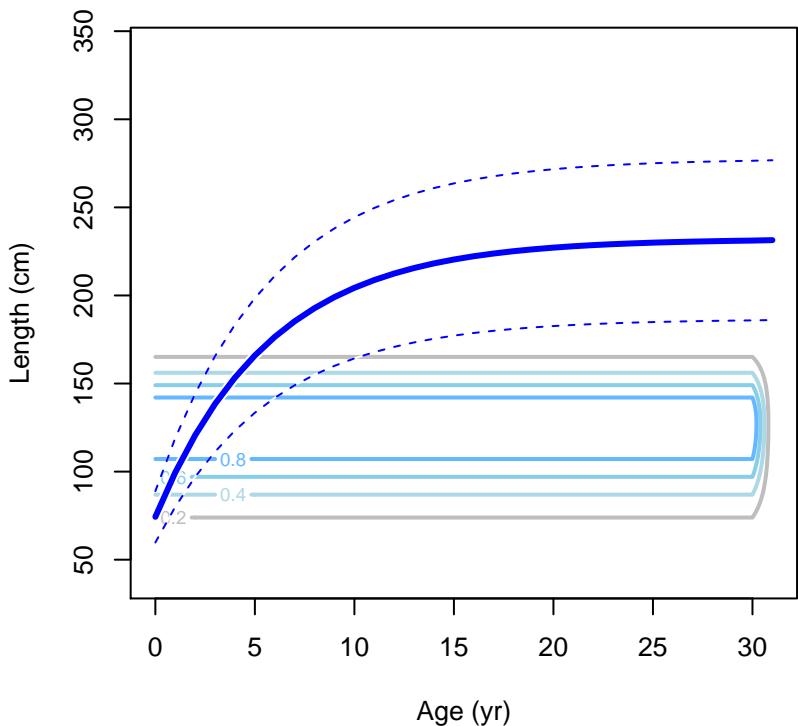
Female ending year selectivity and growth for F15_MEX_SOU



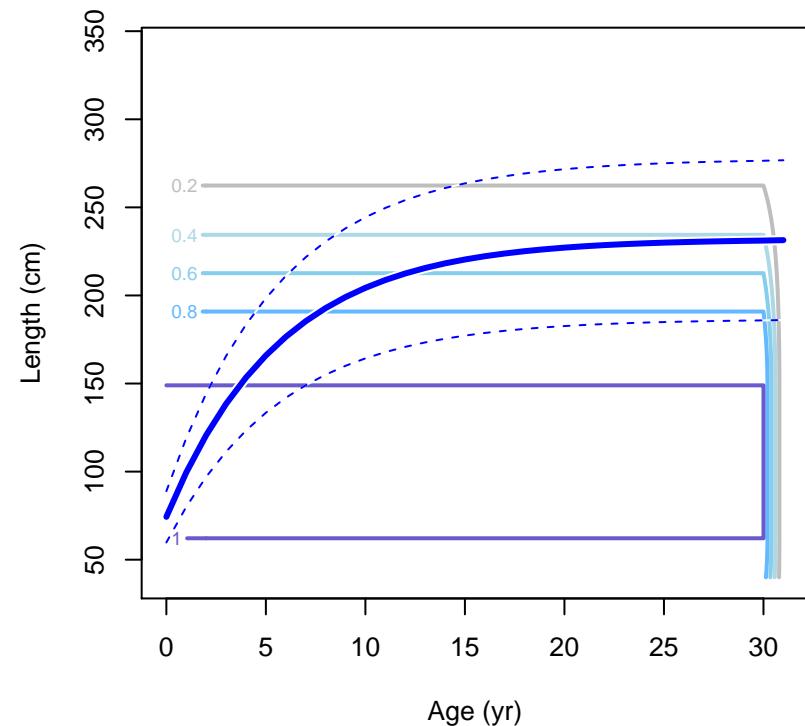
Female ending year selectivity and growth for F16_WCPFC



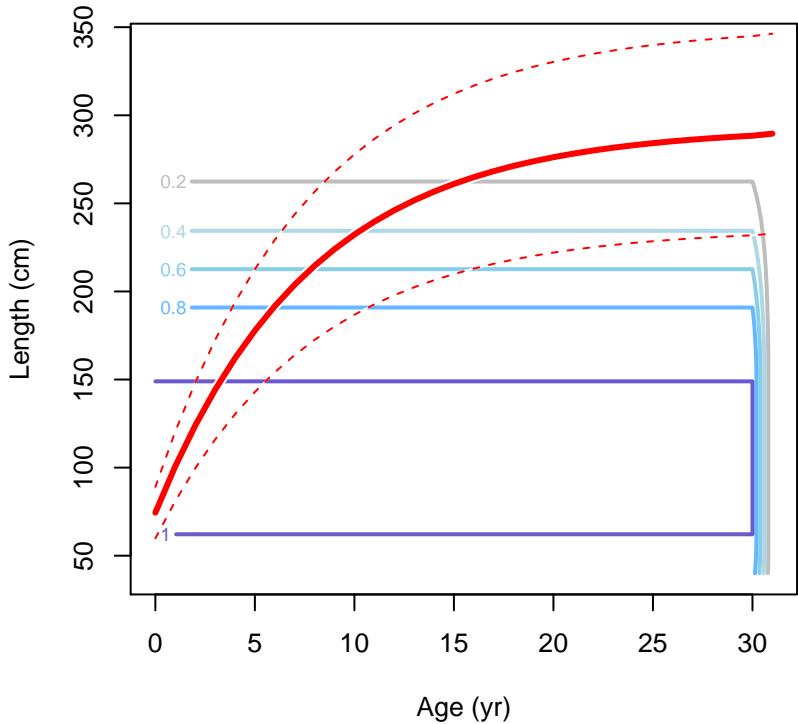
Male ending year selectivity and growth for F15_MEX_SOU



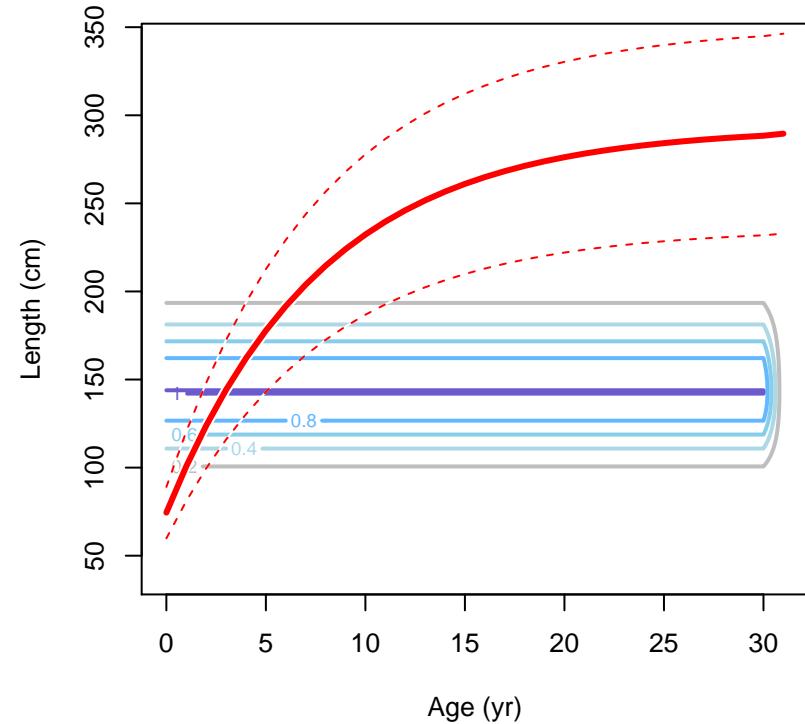
Male ending year selectivity and growth for F16_WCPFC



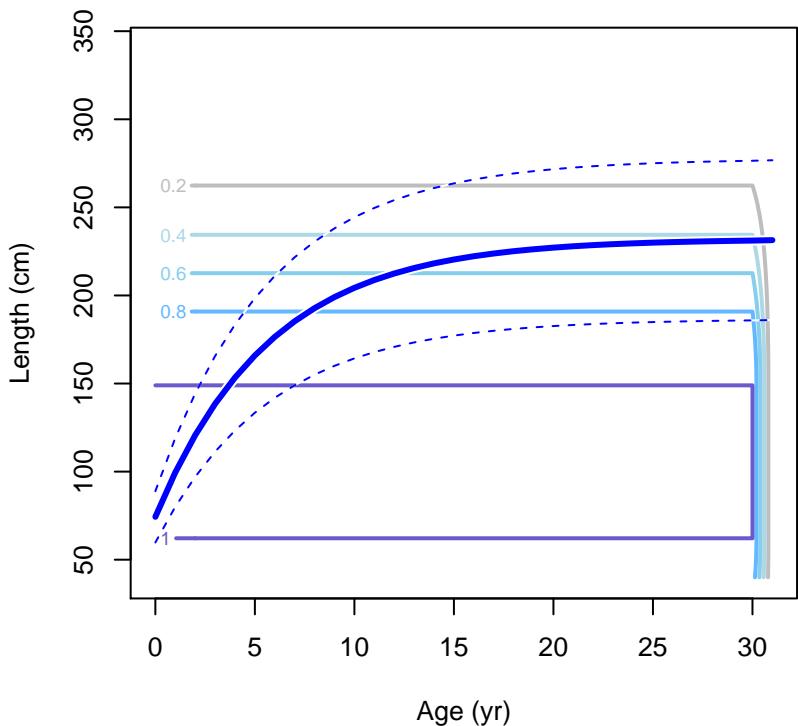
Female ending year selectivity and growth for F17_IATTC



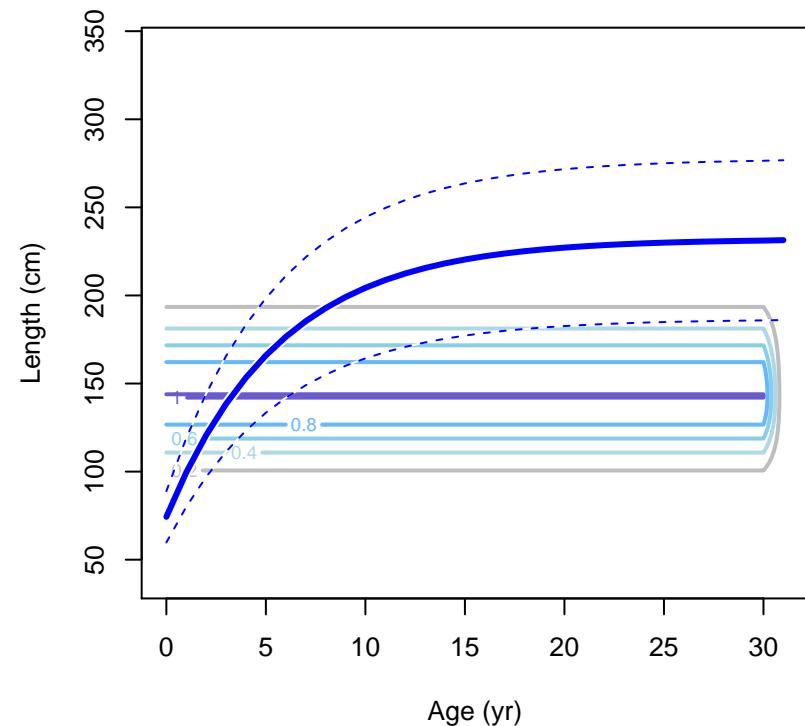
Female ending year selectivity and growth for F18_JPN_SSII



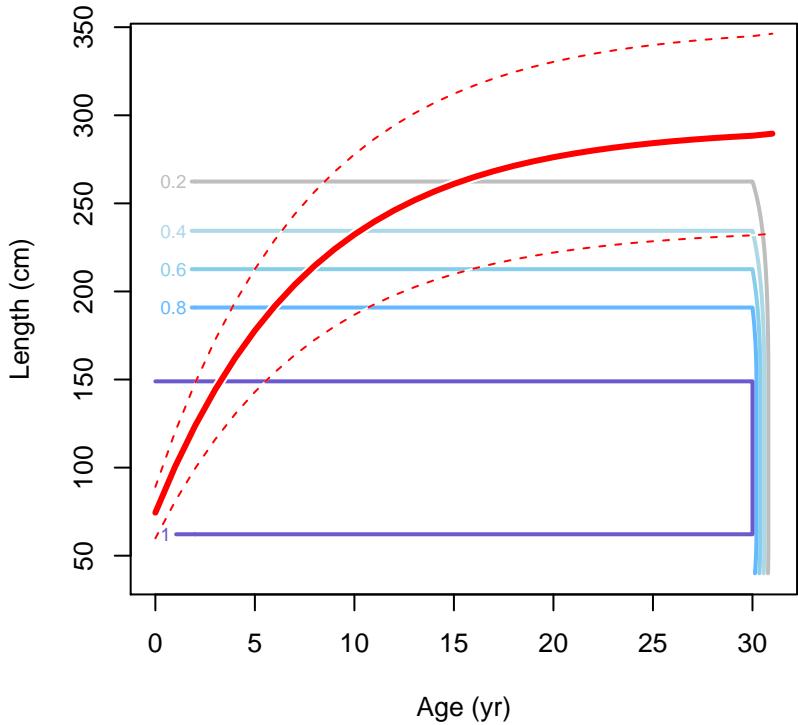
Male ending year selectivity and growth for F17_IATTC



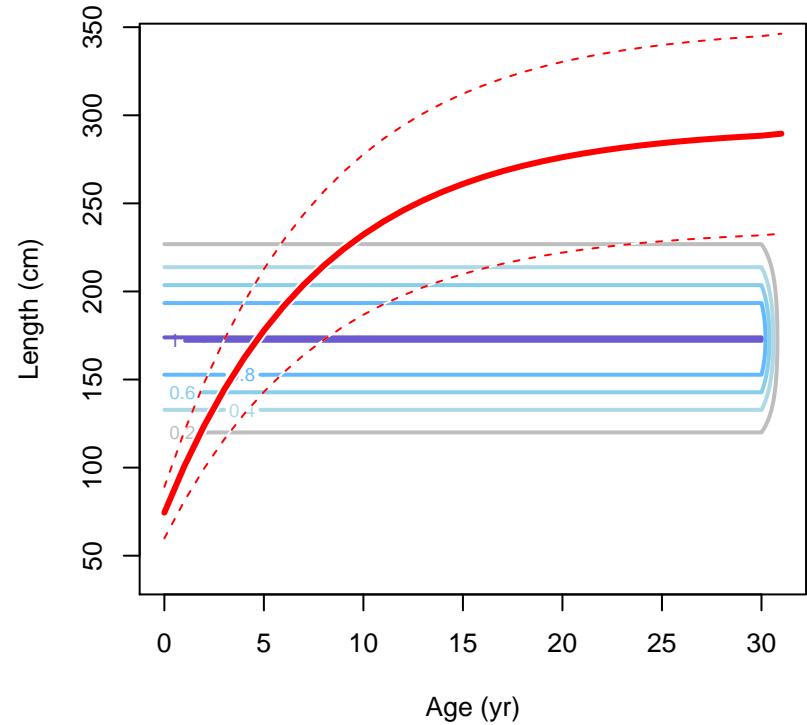
Male ending year selectivity and growth for F18_JPN_SSII



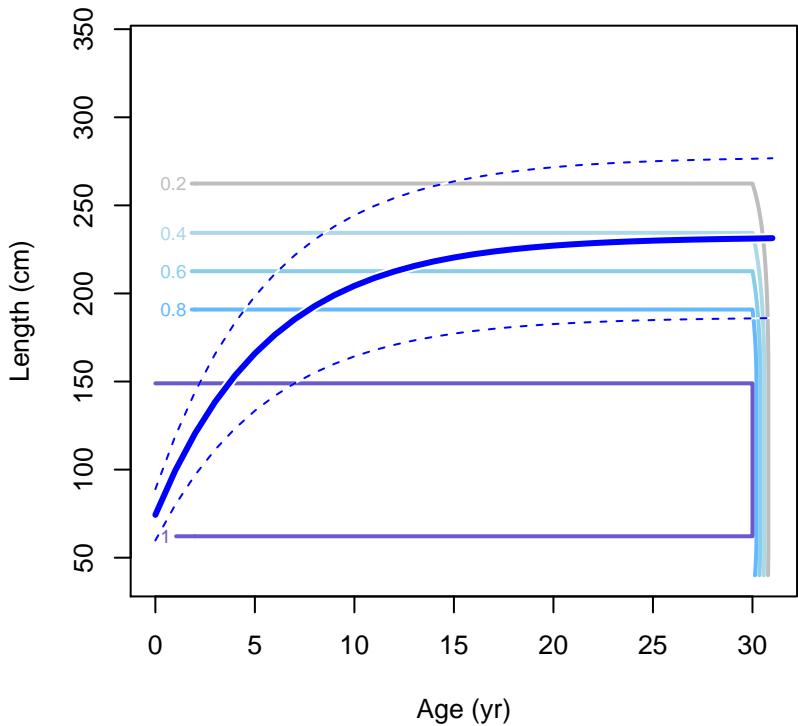
Female ending year selectivity and growth for S1_US_SS



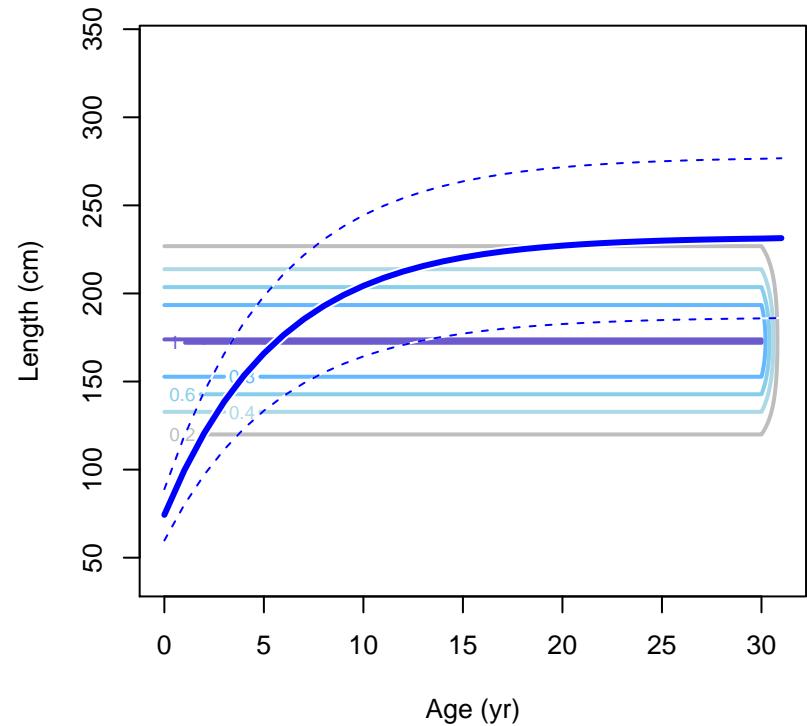
Female ending year selectivity and growth for S2_US_DS



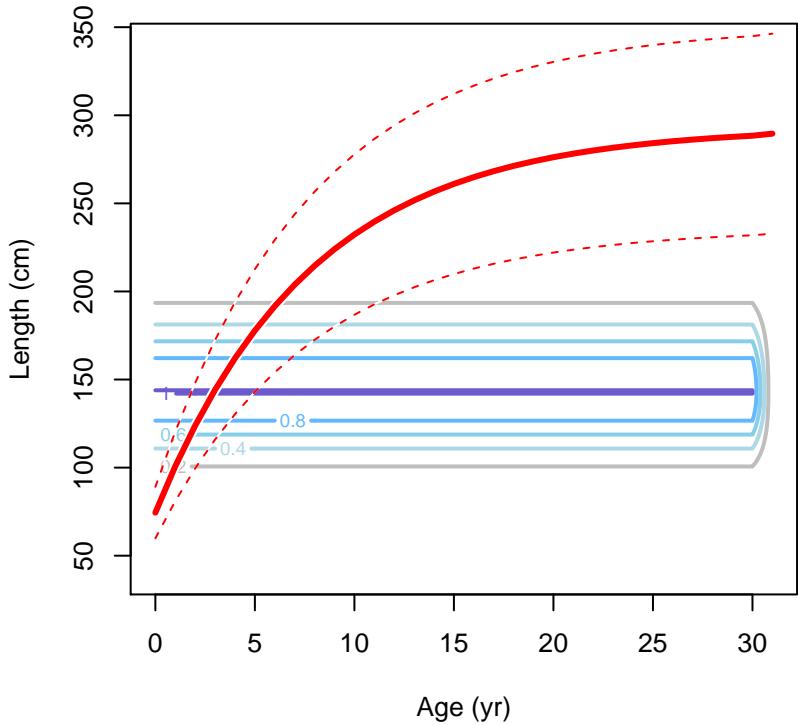
Male ending year selectivity and growth for S1_US_SS



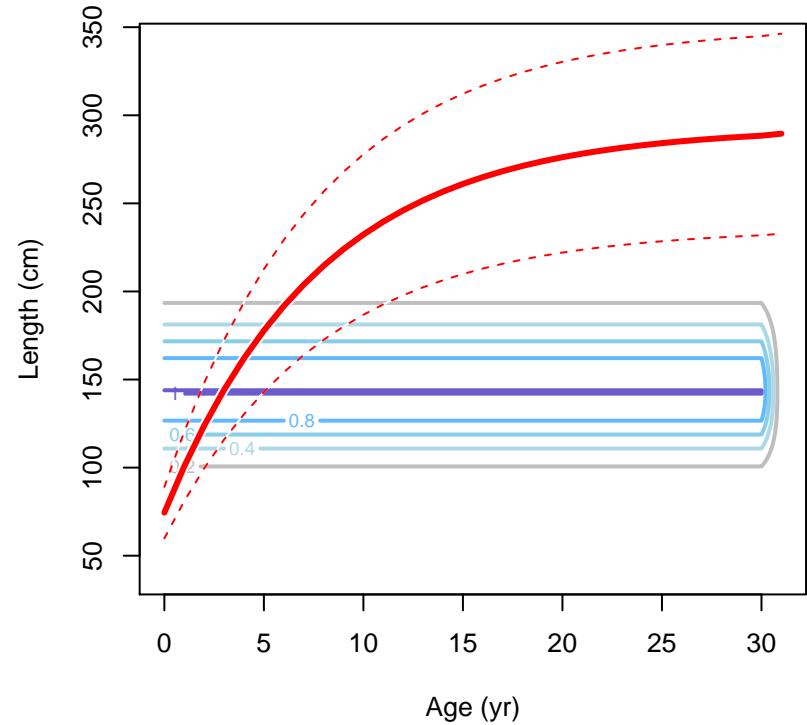
Male ending year selectivity and growth for S2_US_DS



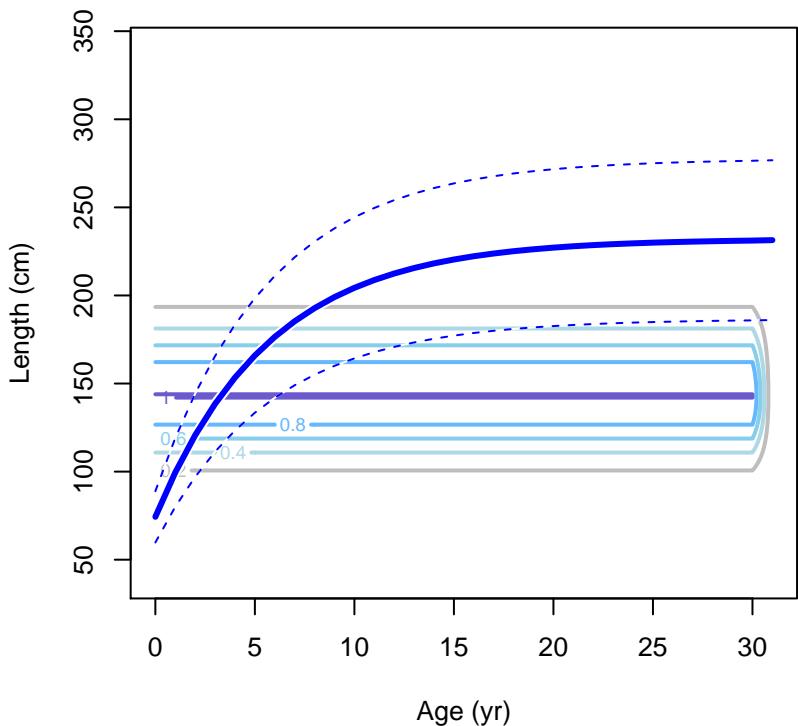
Female ending year selectivity and growth for S3_TW_LRG



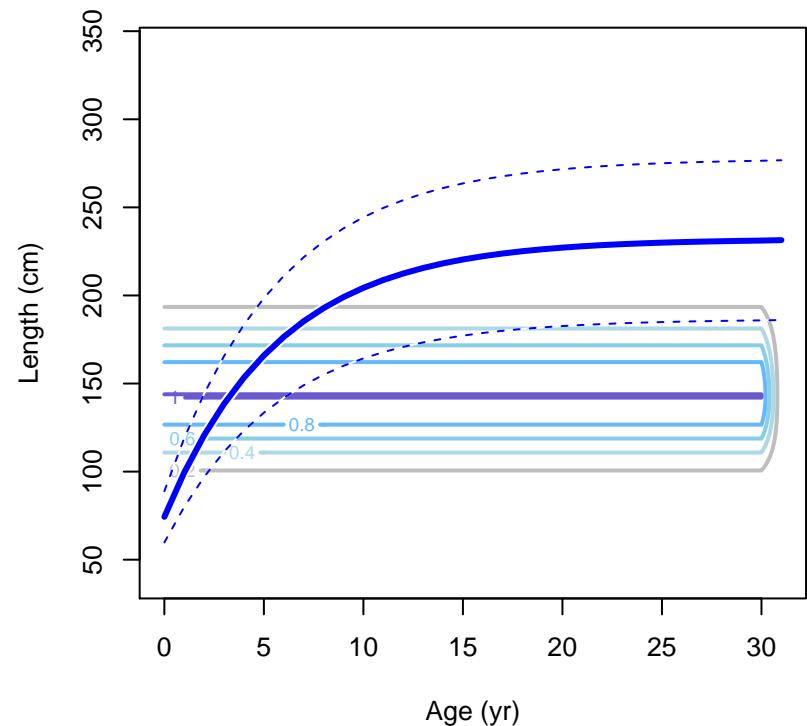
Female ending year selectivity and growth for S4_JPN_SS



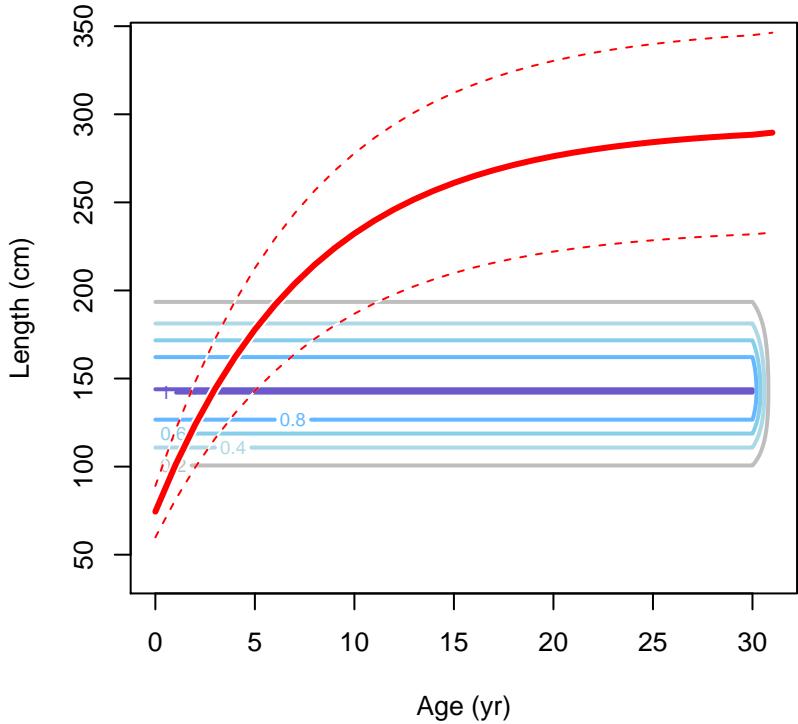
Male ending year selectivity and growth for S3_TW_LRG



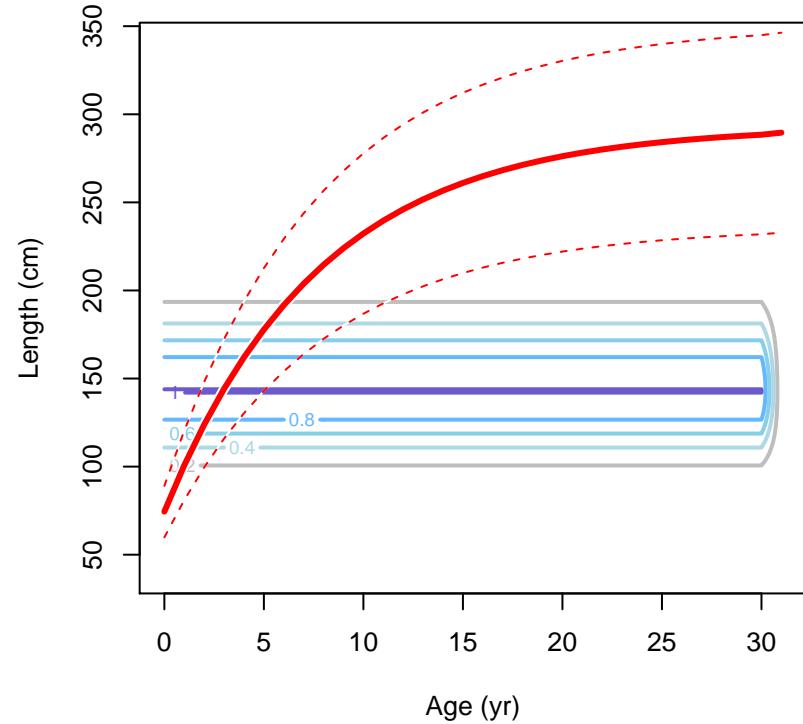
Male ending year selectivity and growth for S4_JPN_SS



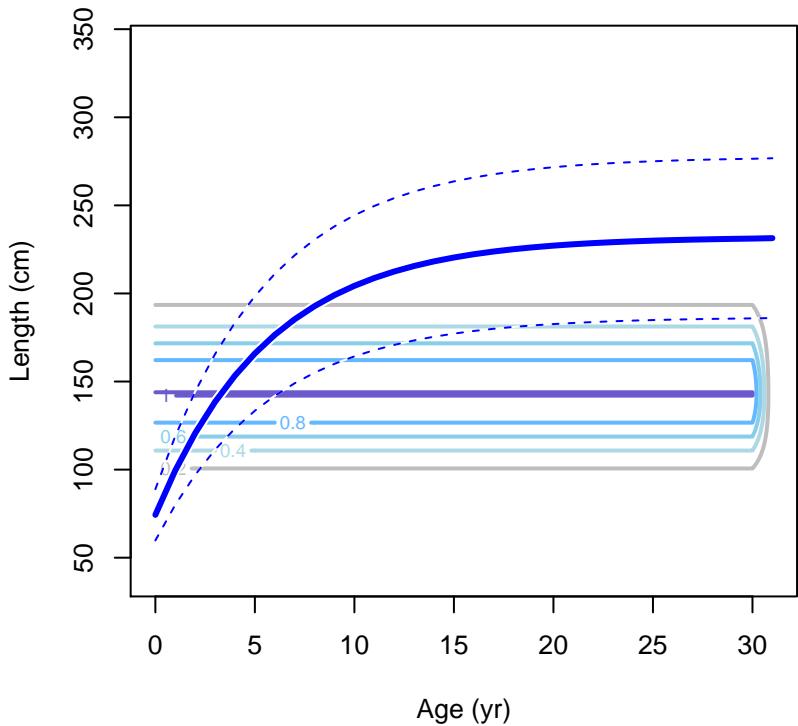
Female ending year selectivity and growth for S5_JPN_RTV



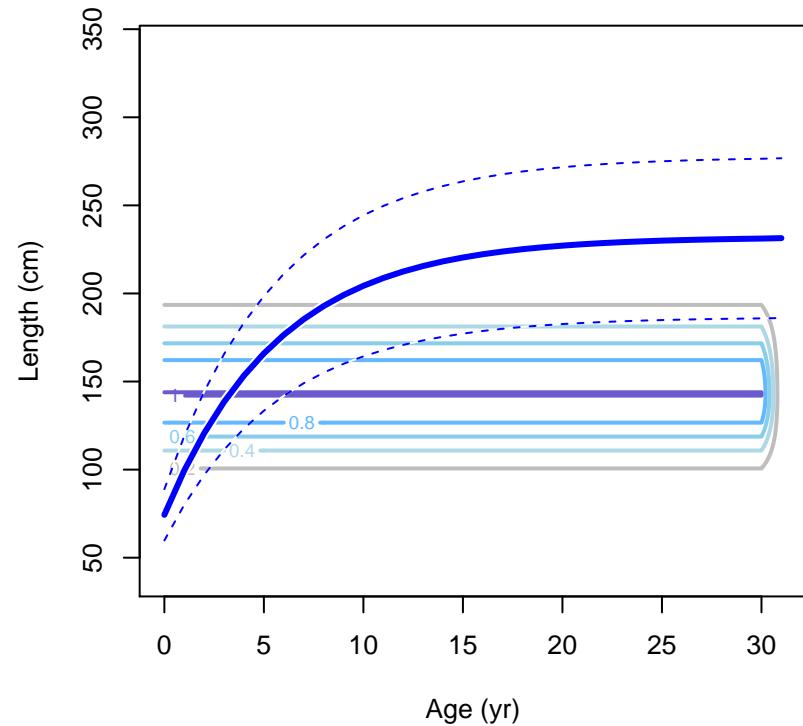
Female ending year selectivity and growth for S6_JPN_OBS



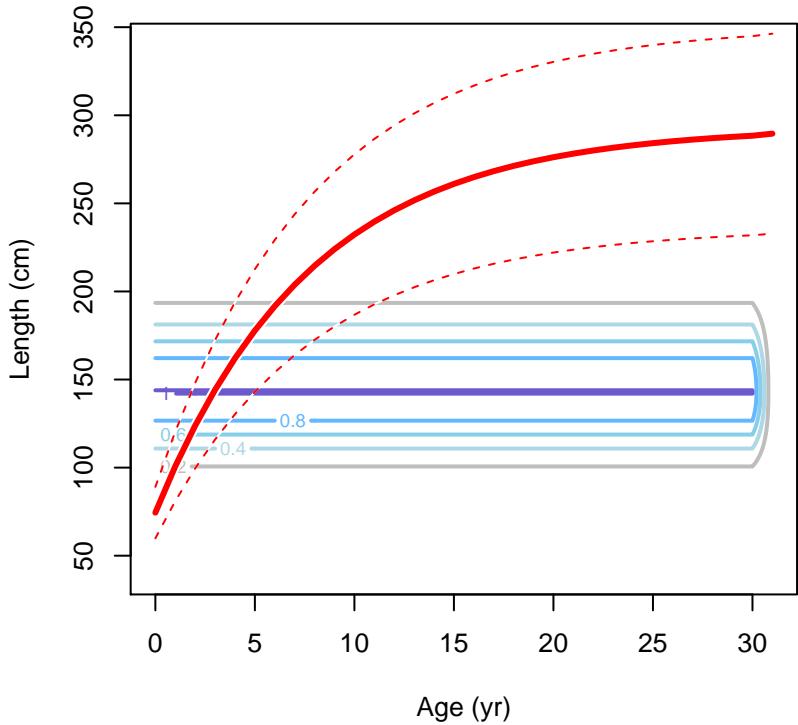
Male ending year selectivity and growth for S5_JPN_RTV



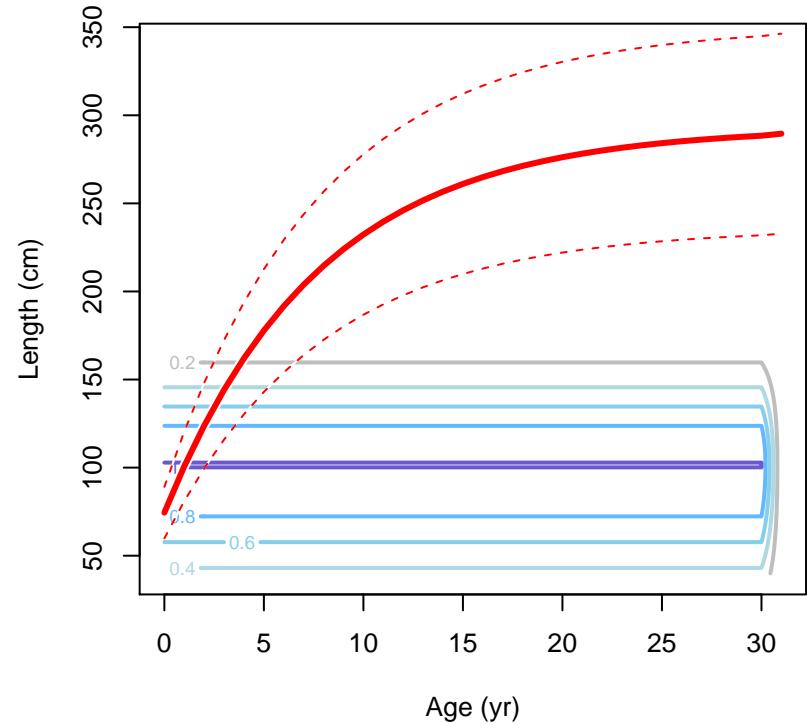
Male ending year selectivity and growth for S6_JPN_OBS



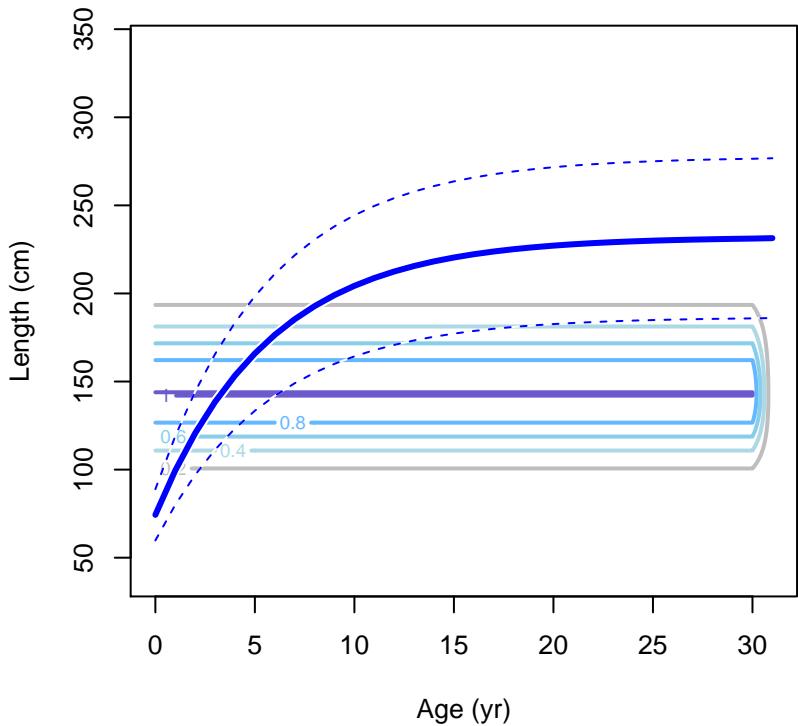
Female ending year selectivity and growth for S7_JPN_GEO



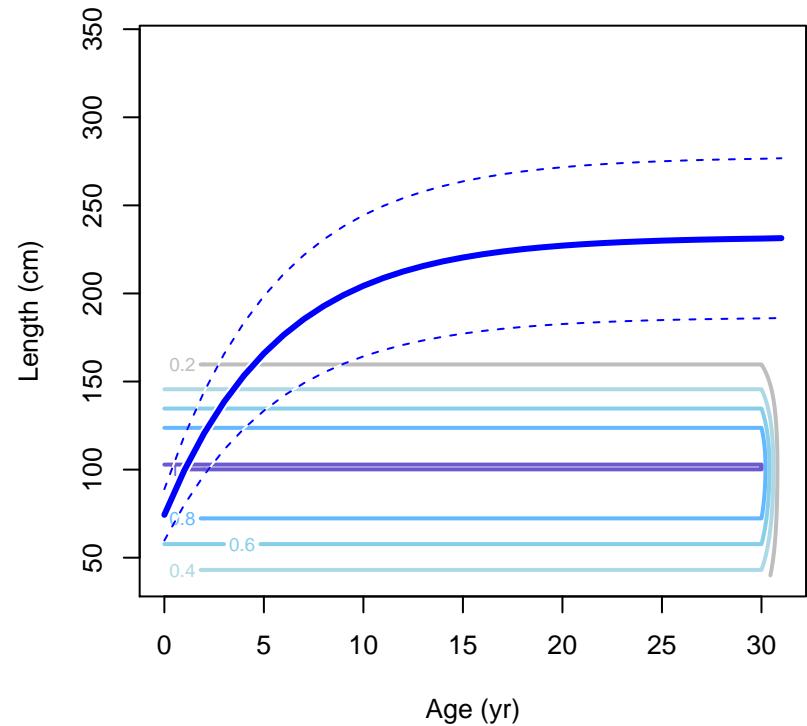
Female ending year selectivity and growth for S8_MEX

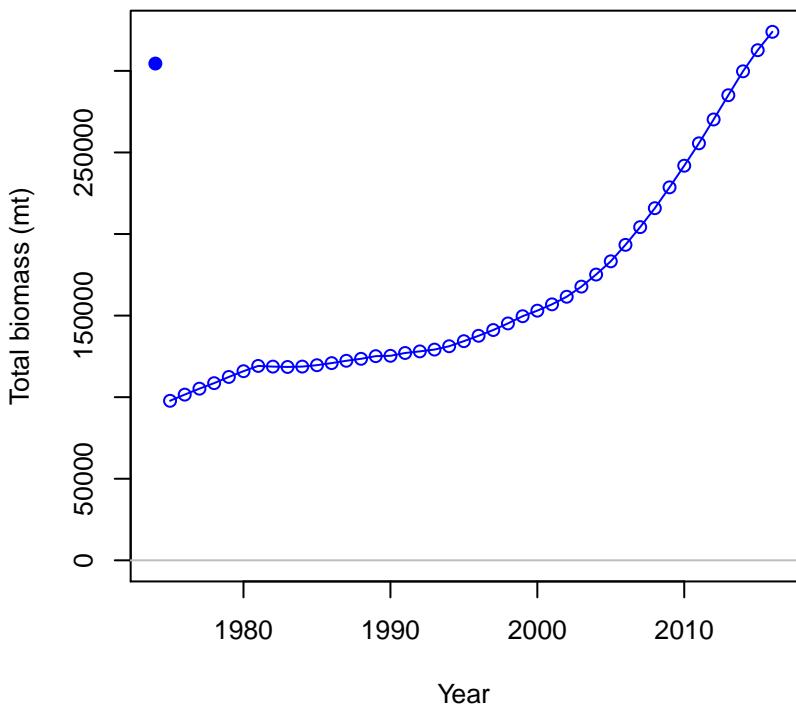
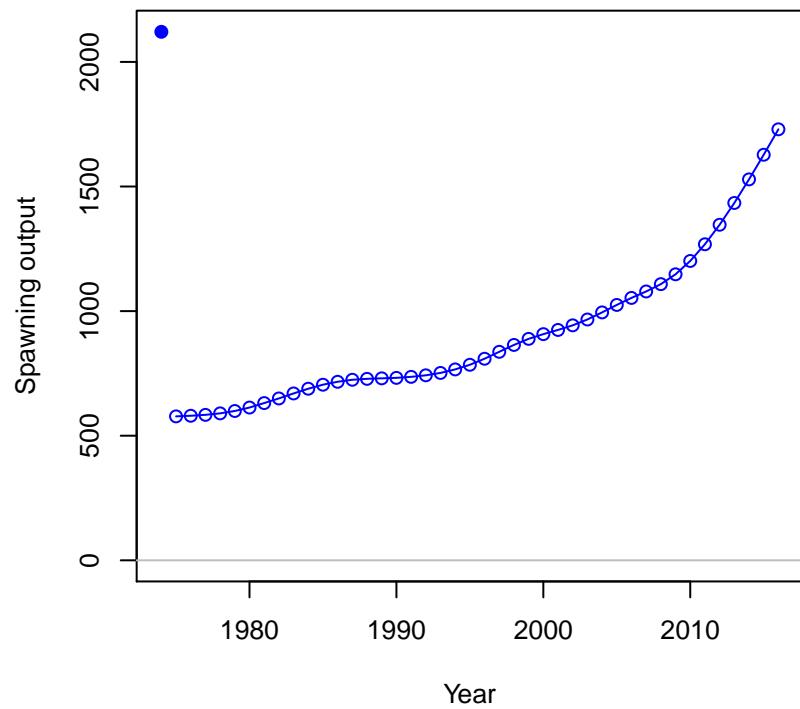
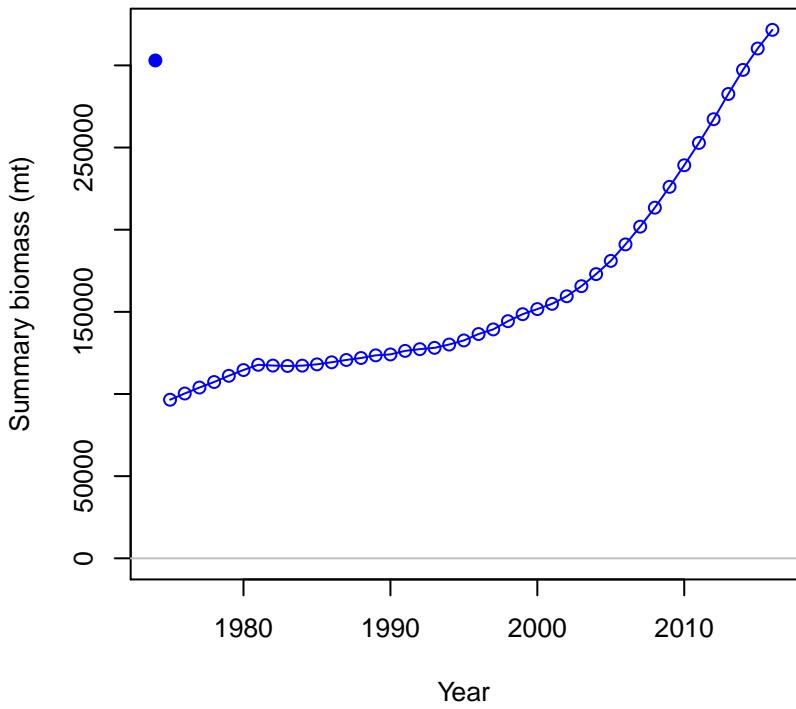
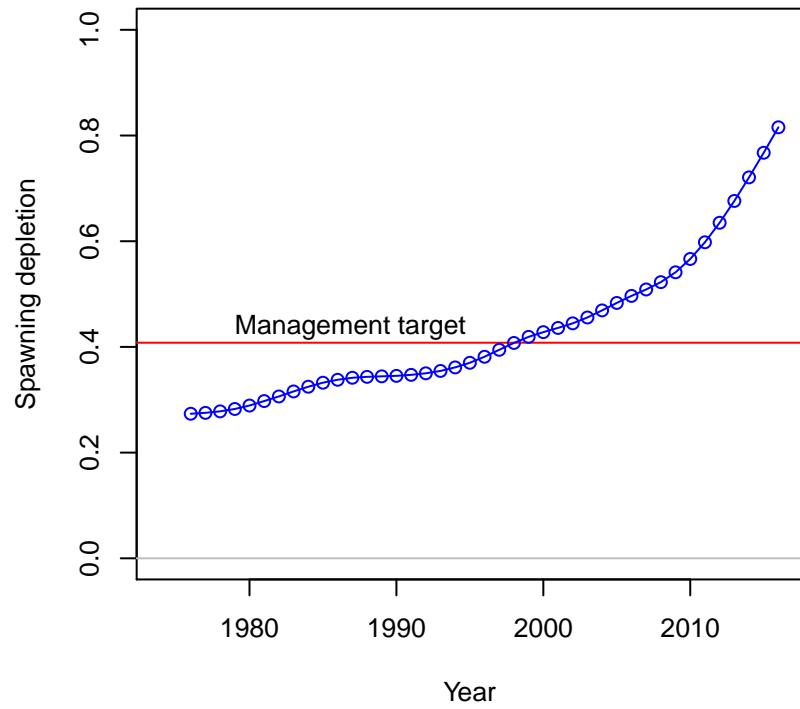


Male ending year selectivity and growth for S7_JPN_GEO

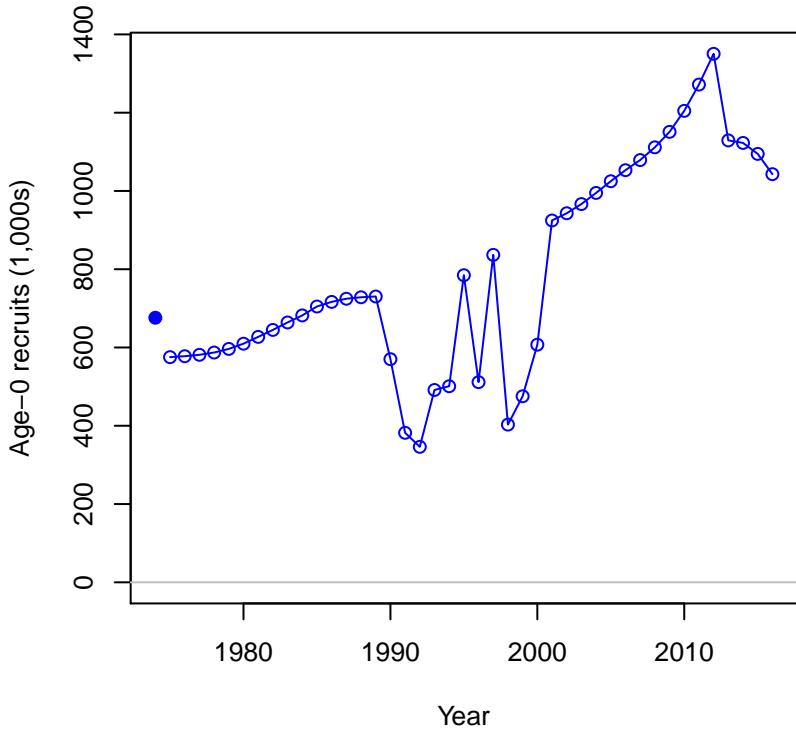


Male ending year selectivity and growth for S8_MEX

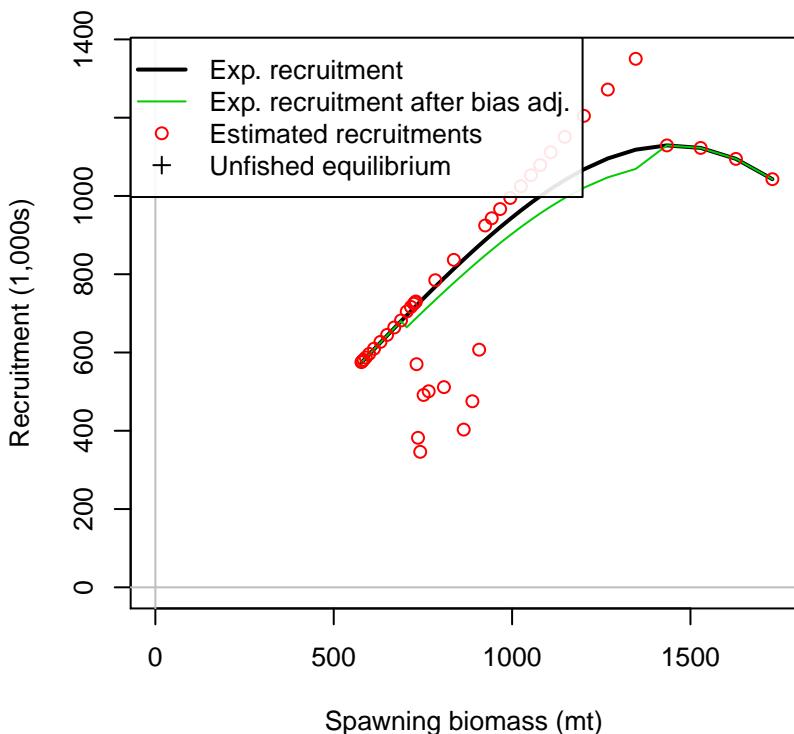
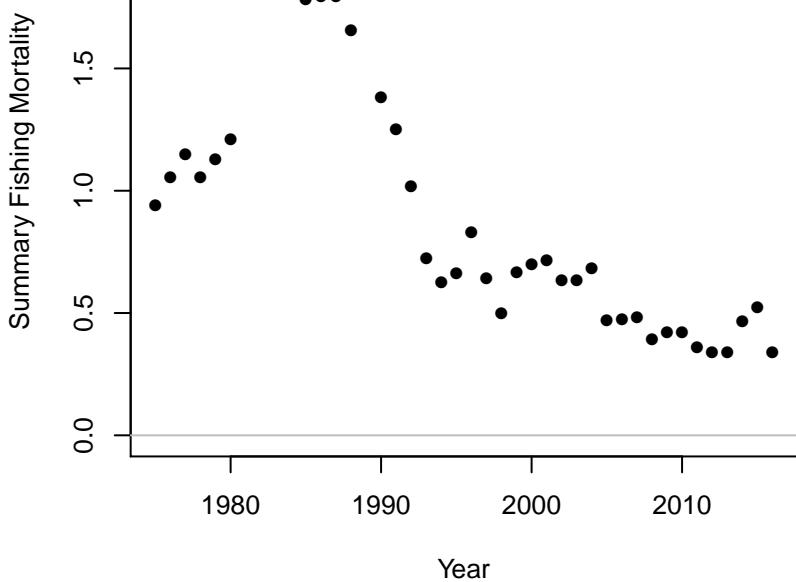
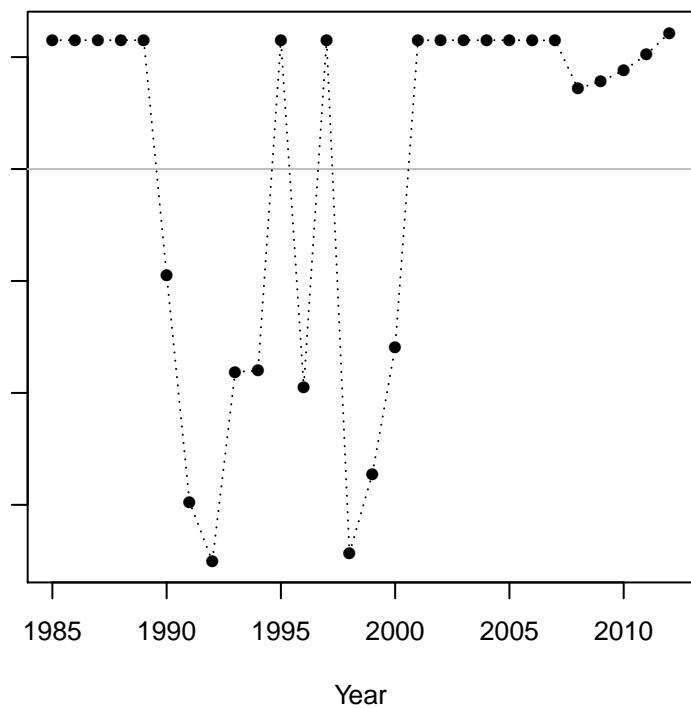


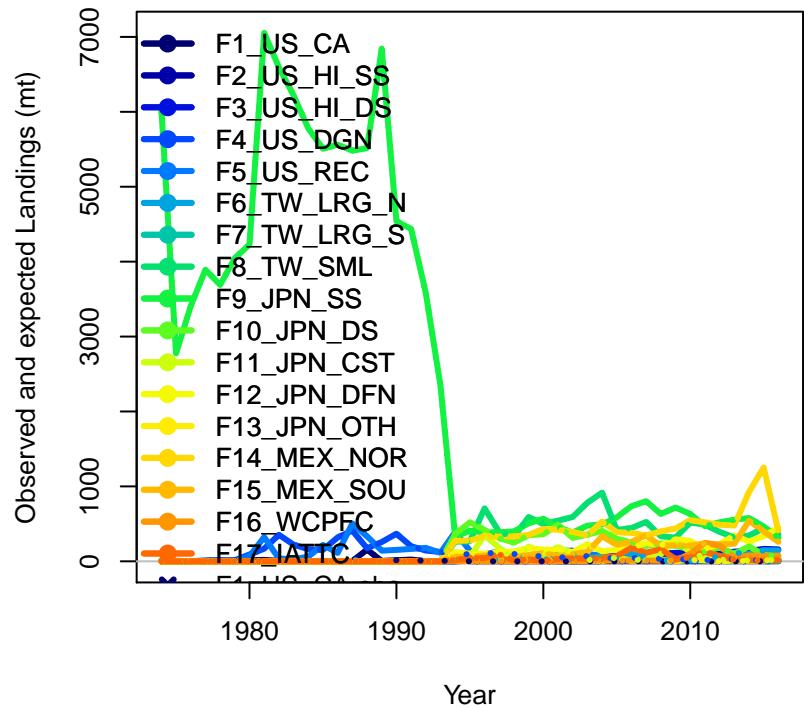
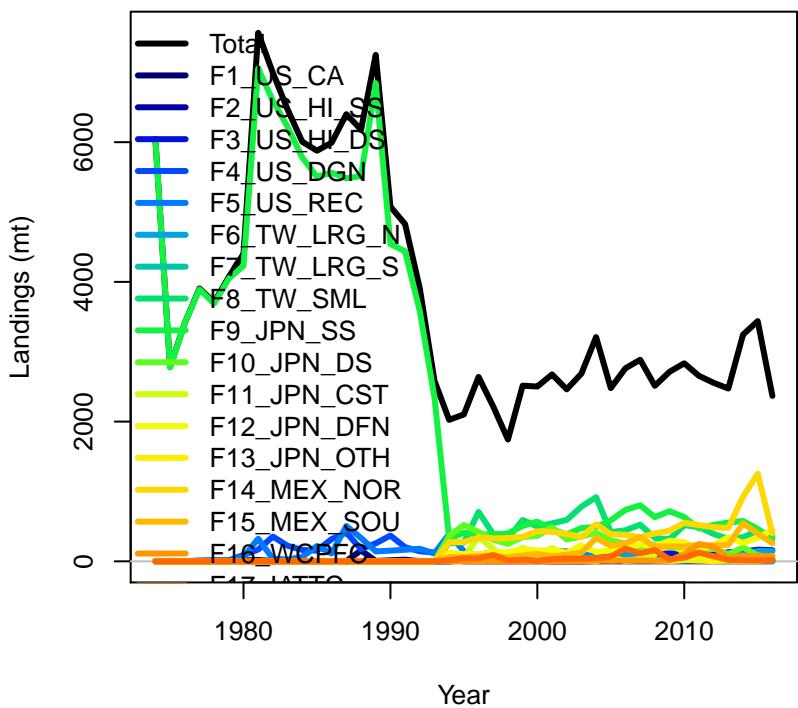
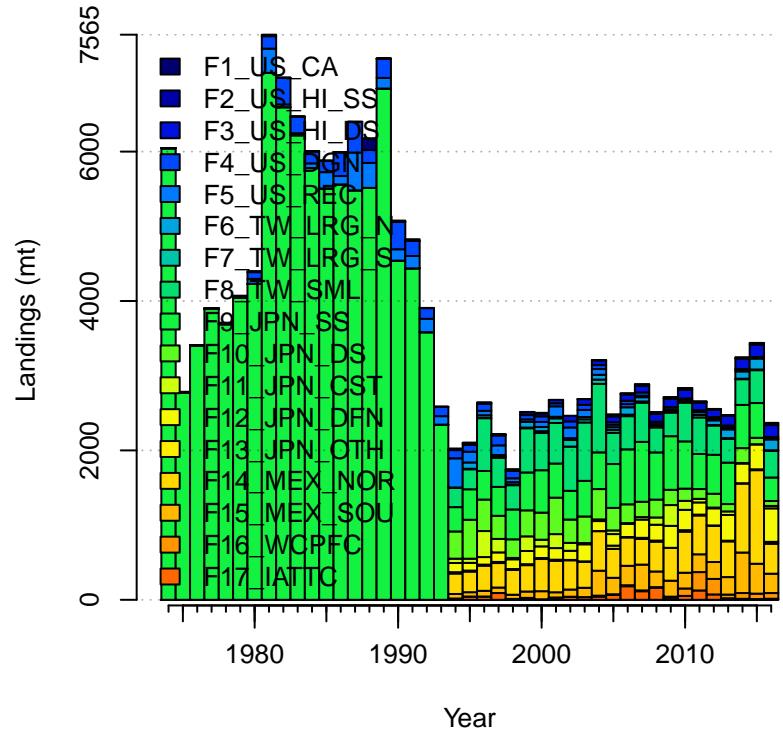
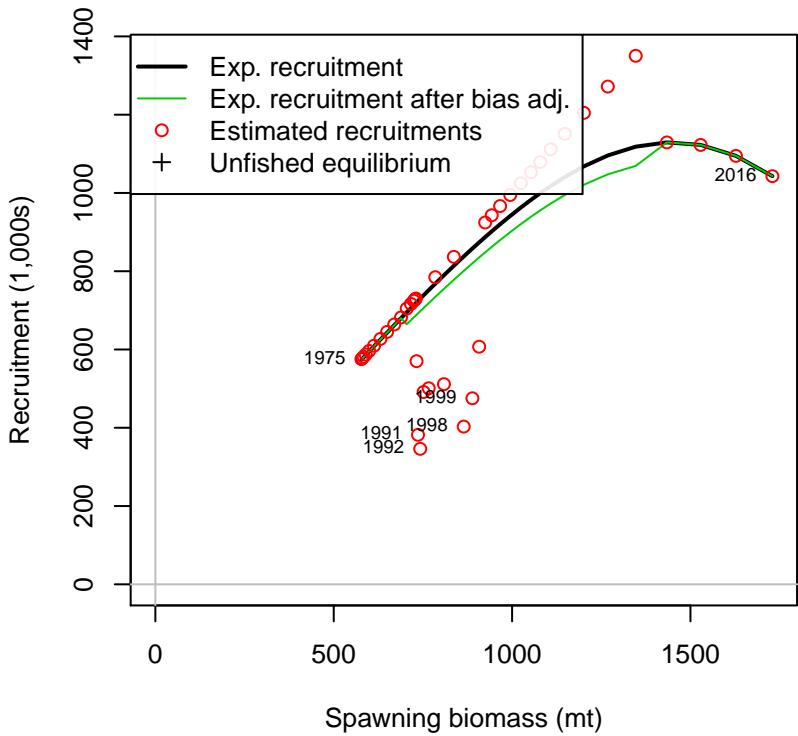
Total biomass (mt)**Spawning output****Summary biomass (mt)****Spawning depletion**

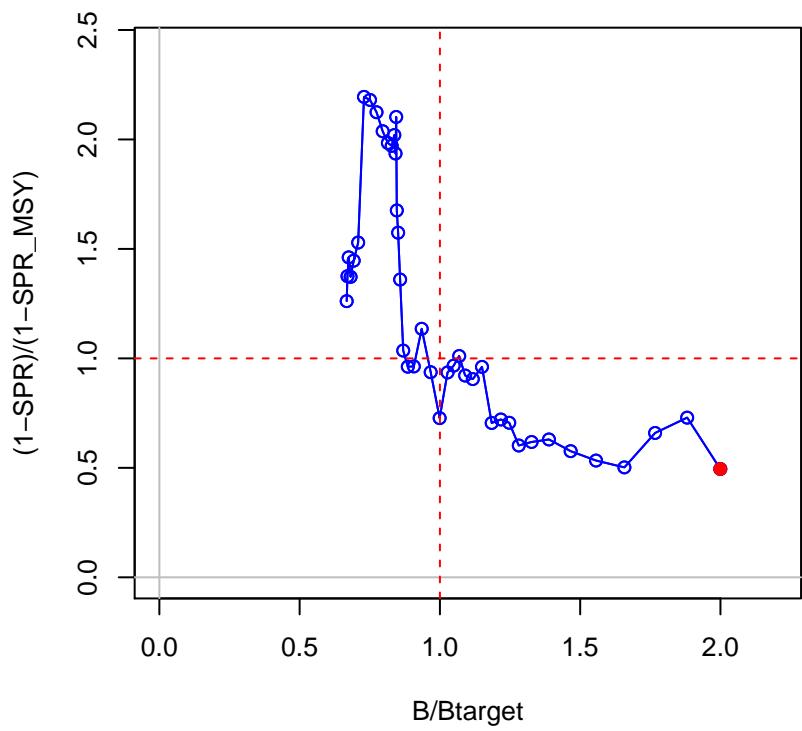
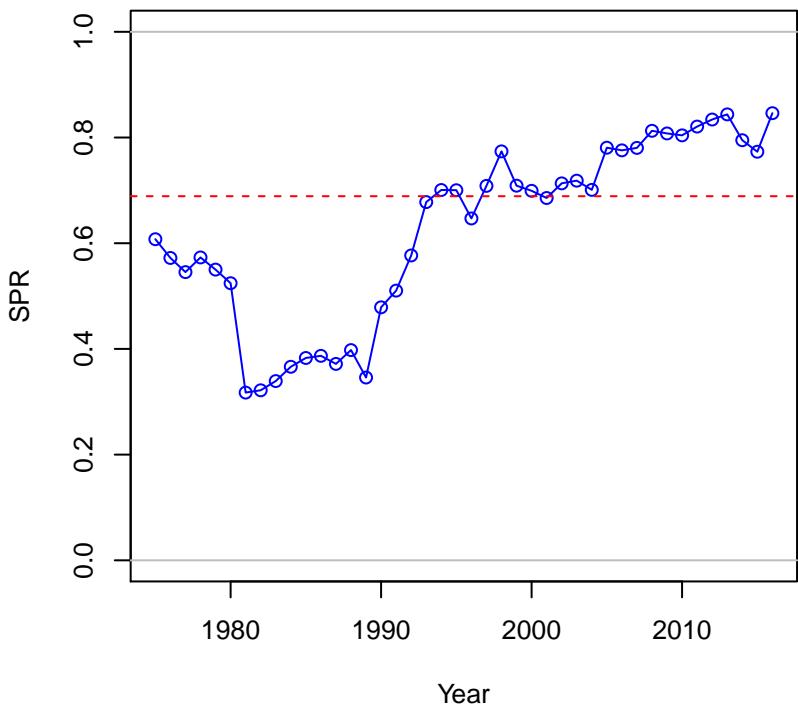
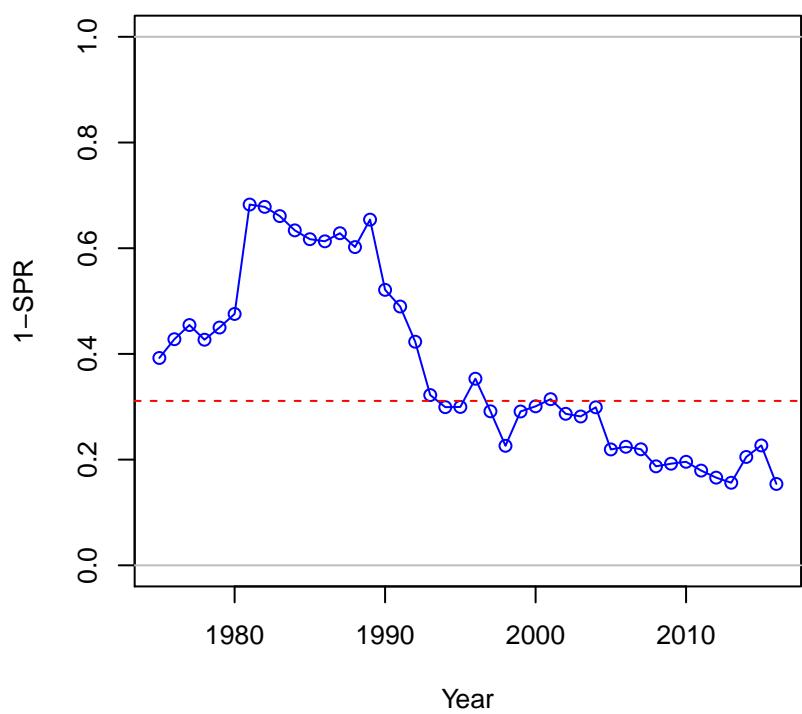
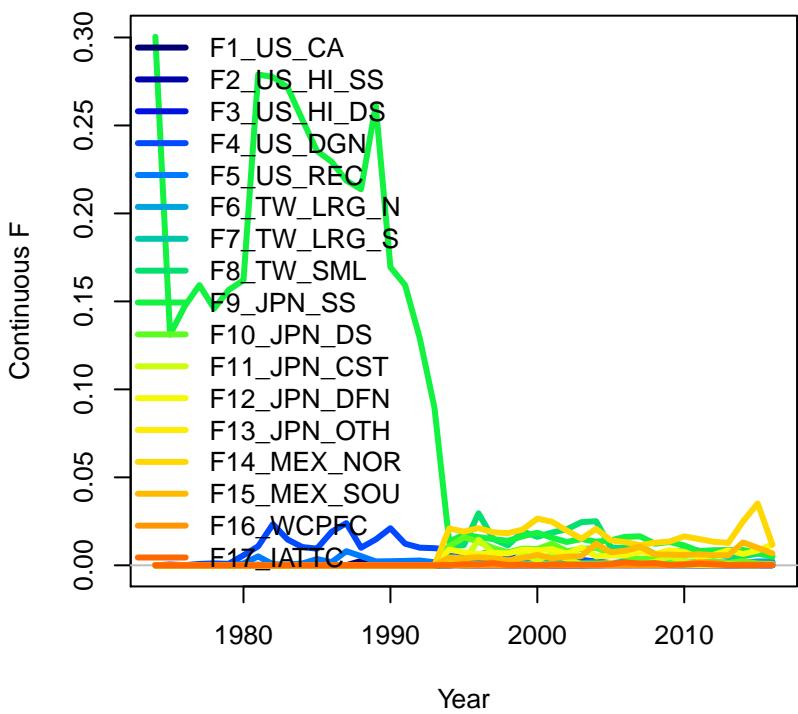
Age-0 recruits (1,000s)



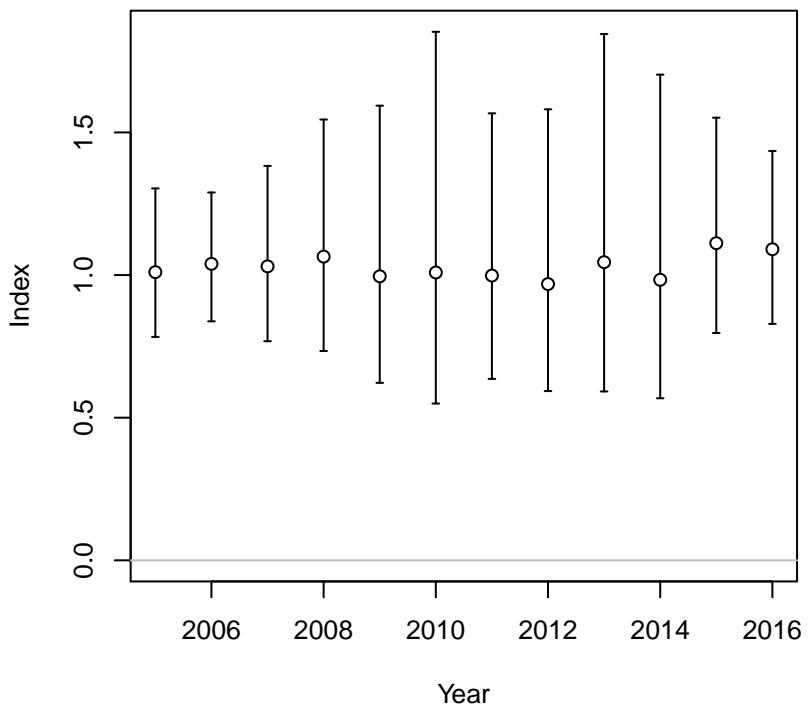
Log recruitment deviation



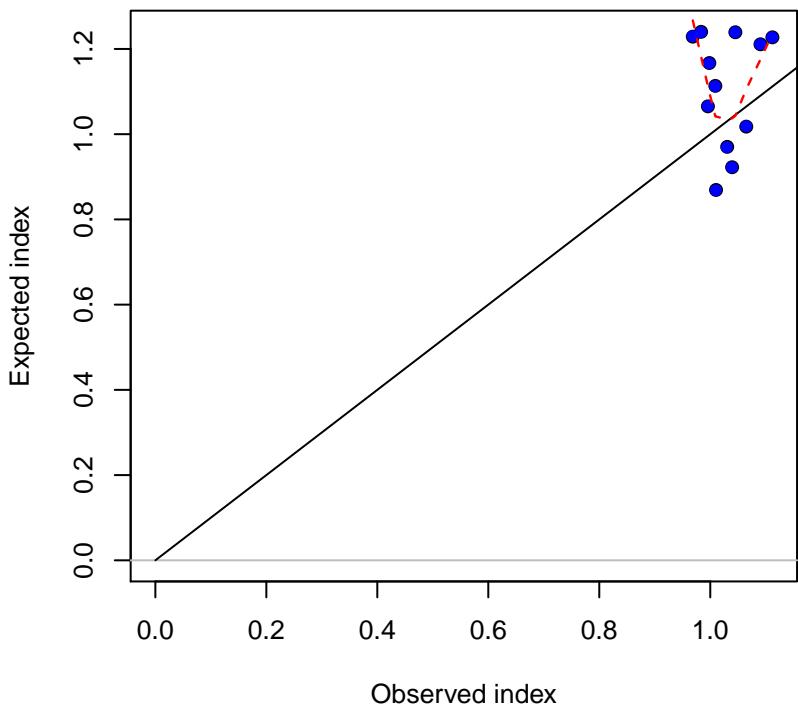




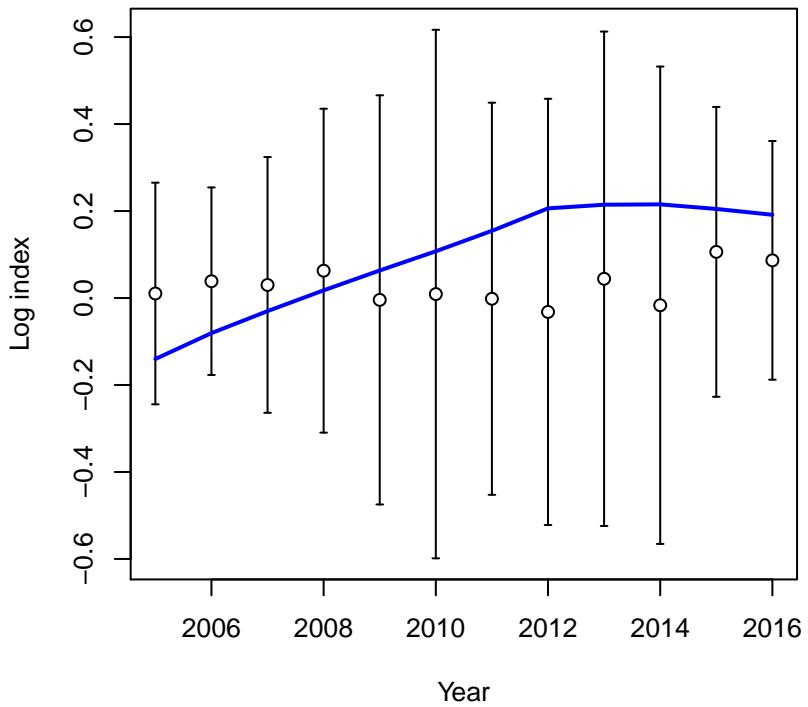
Index S1_US_SS



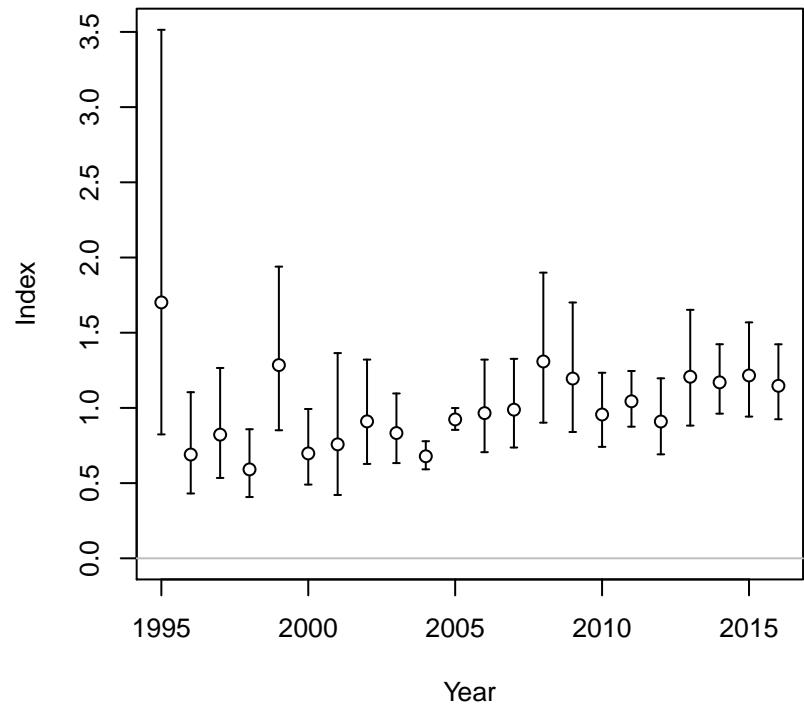
Index S1_US_SS



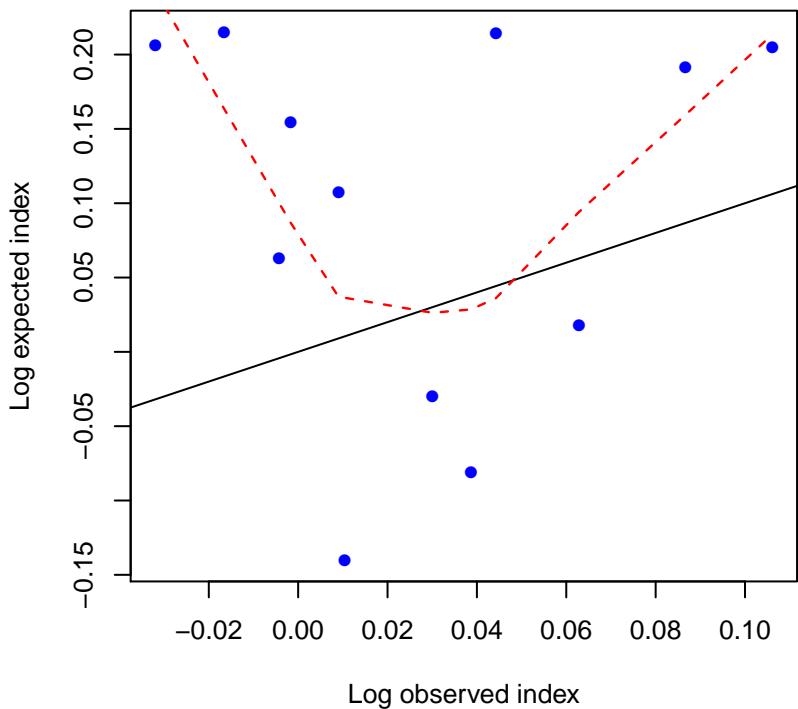
Log index S1_US_SS



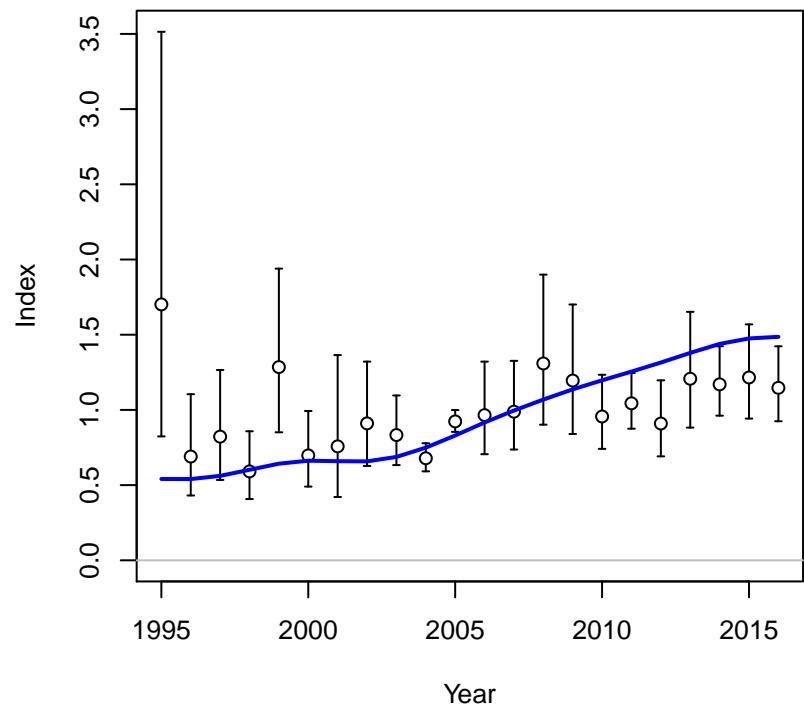
Index S2_US_DS

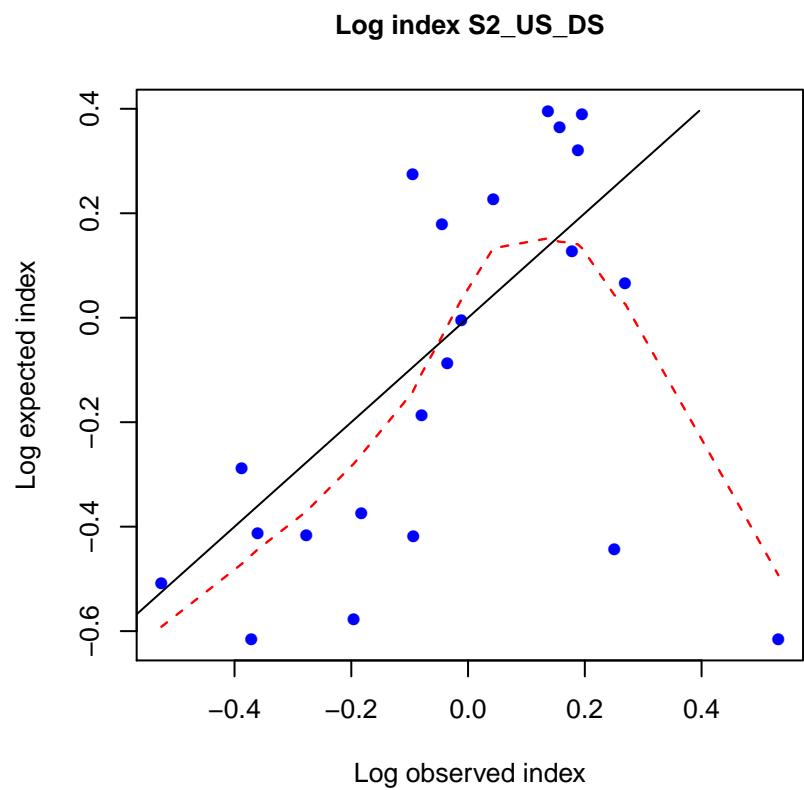
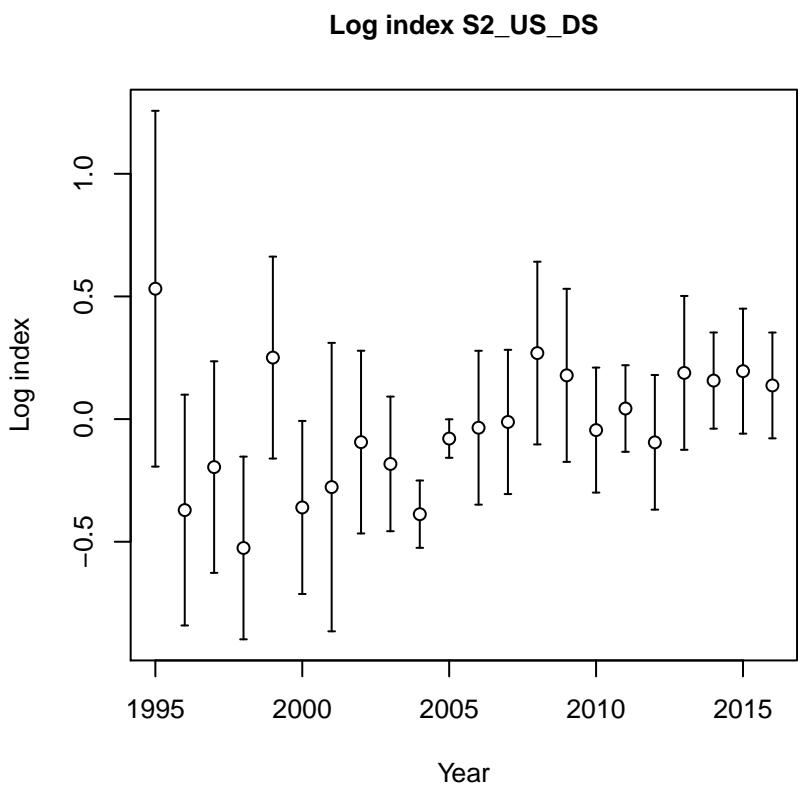
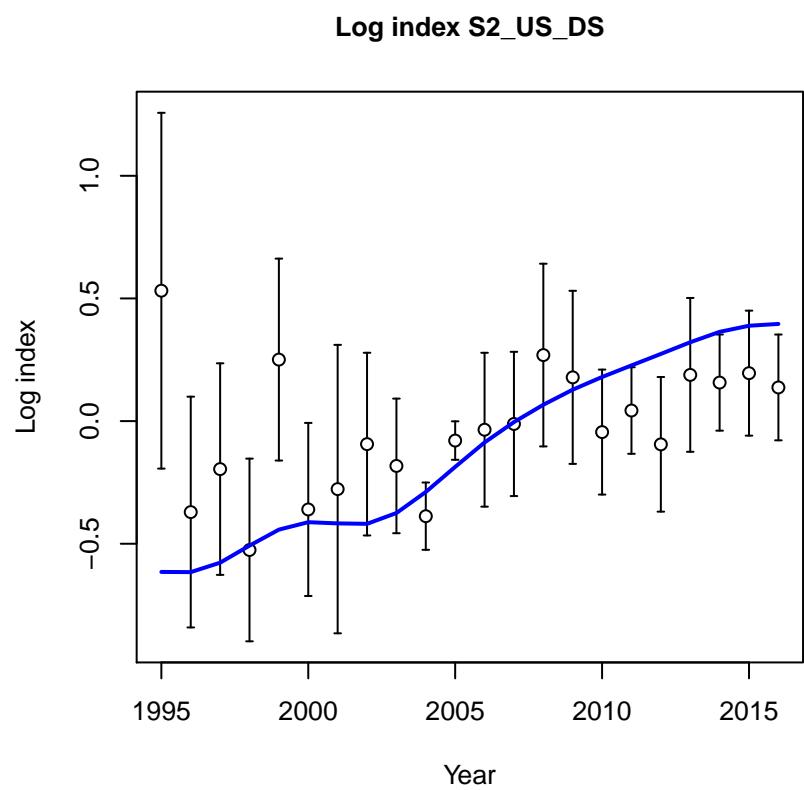
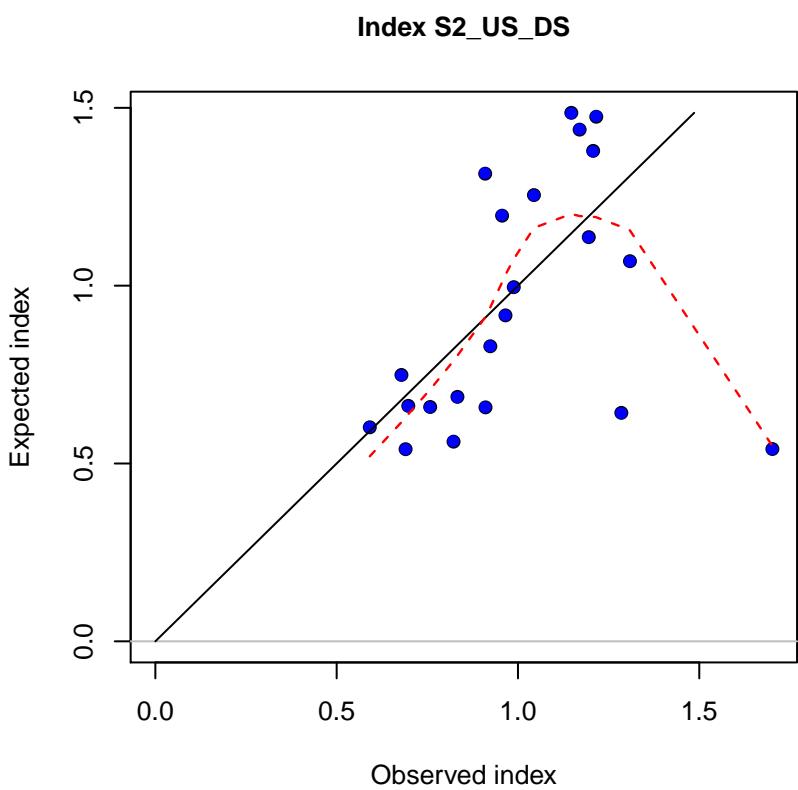


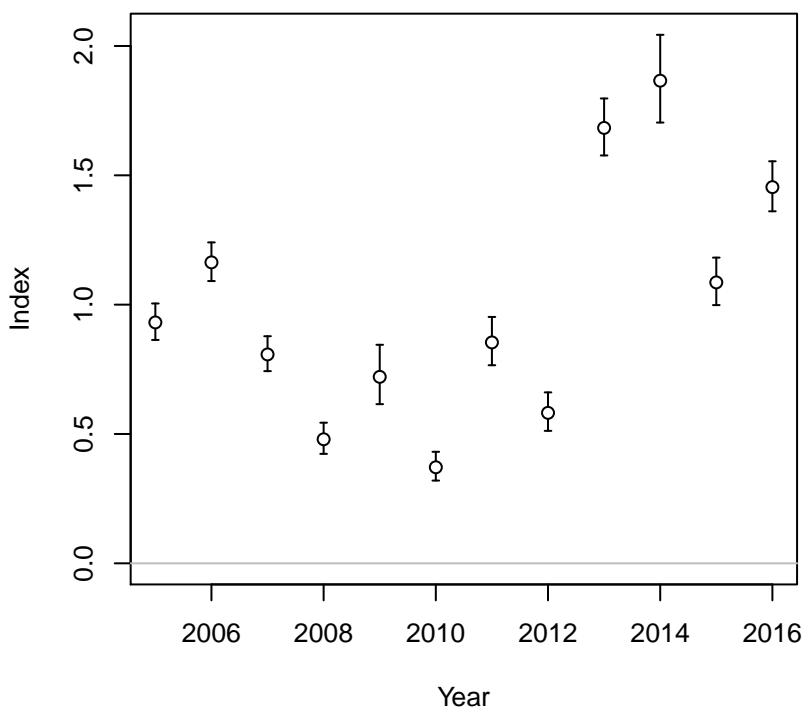
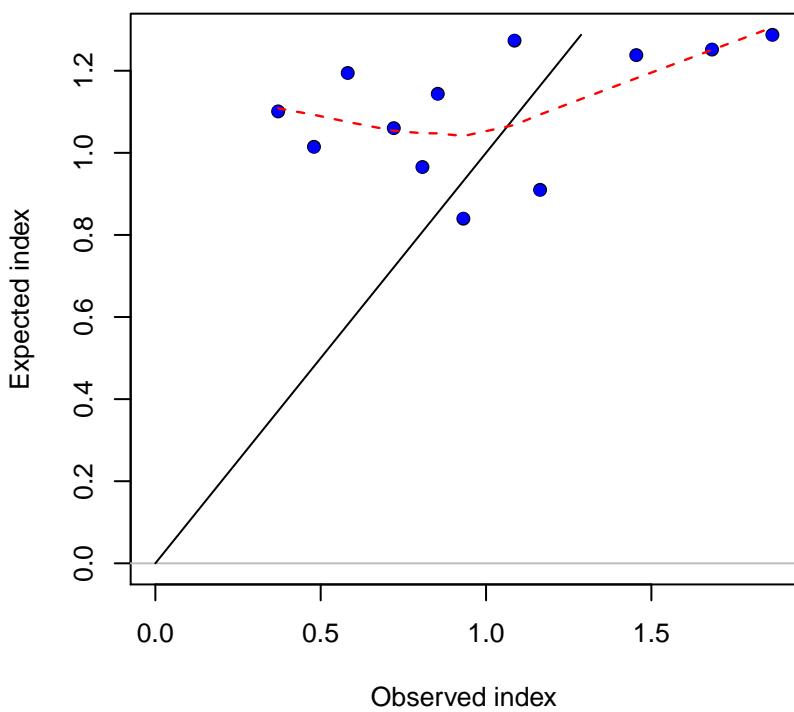
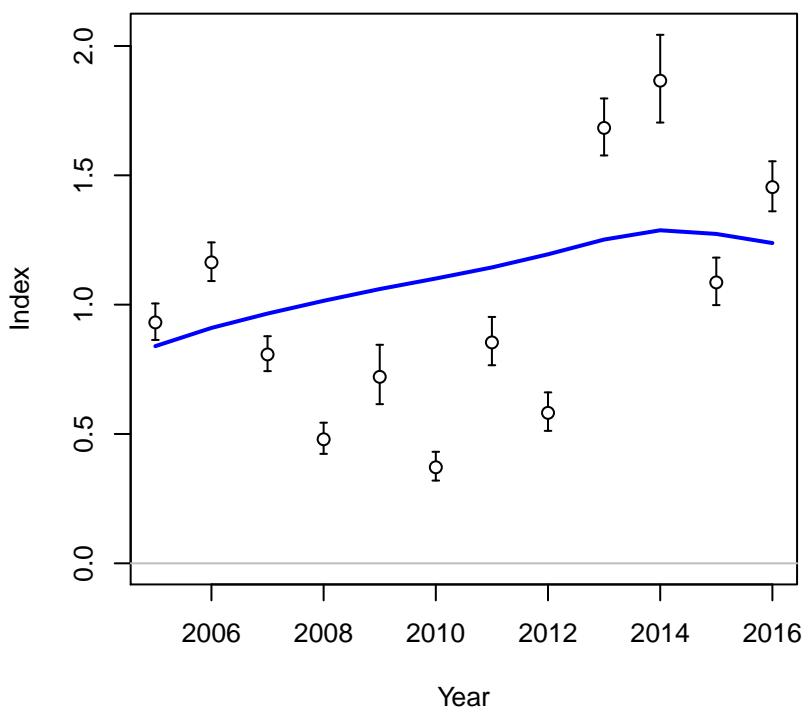
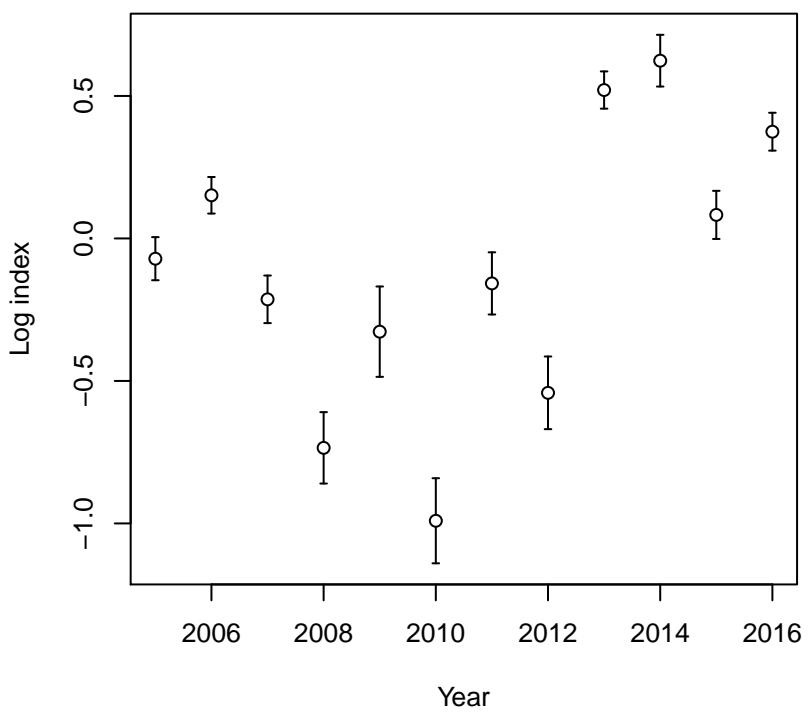
Log index S1_US_SS



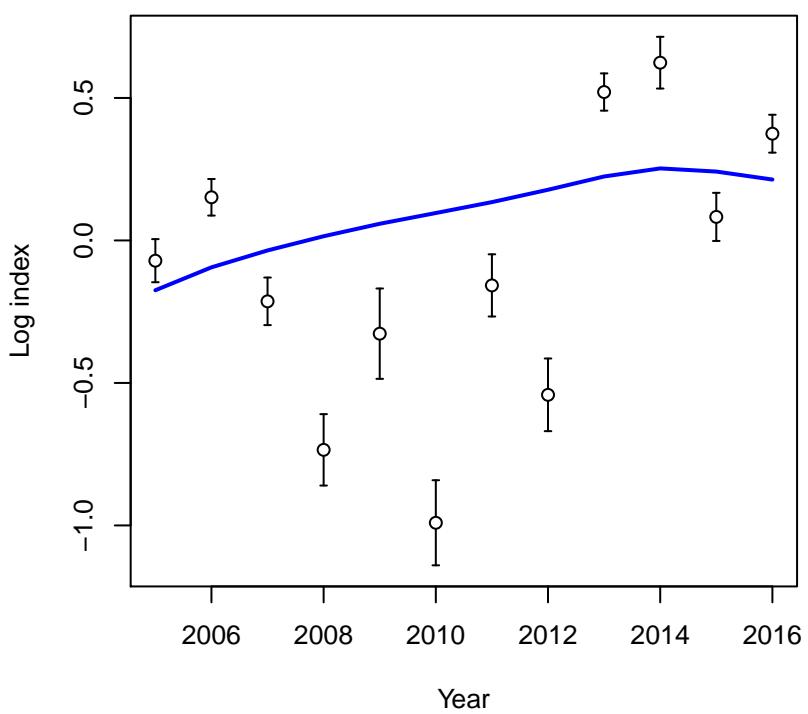
Index S2_US_DS



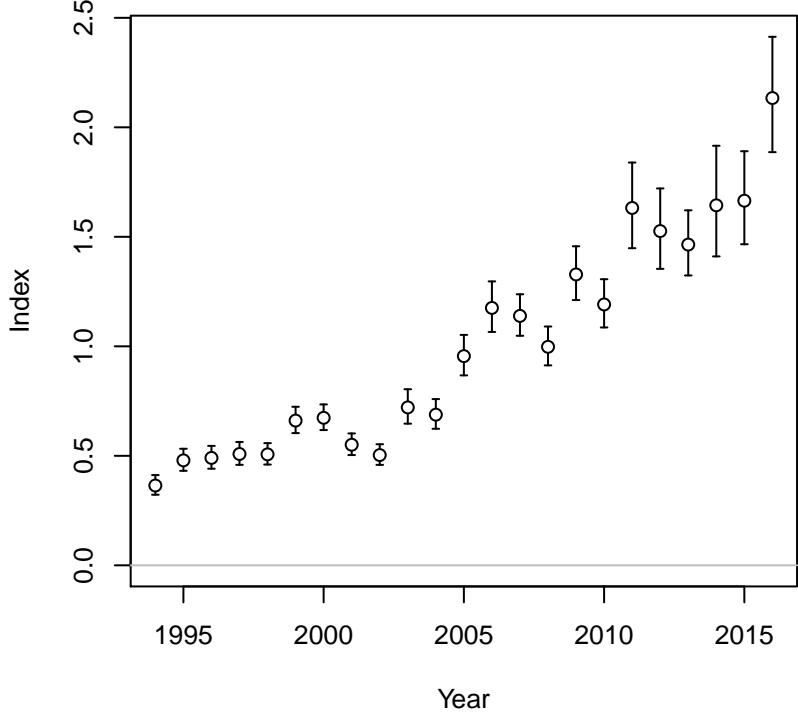


Index S3_TW_LRG**Index S3_TW_LRG****Index S3_TW_LRG****Log index S3_TW_LRG**

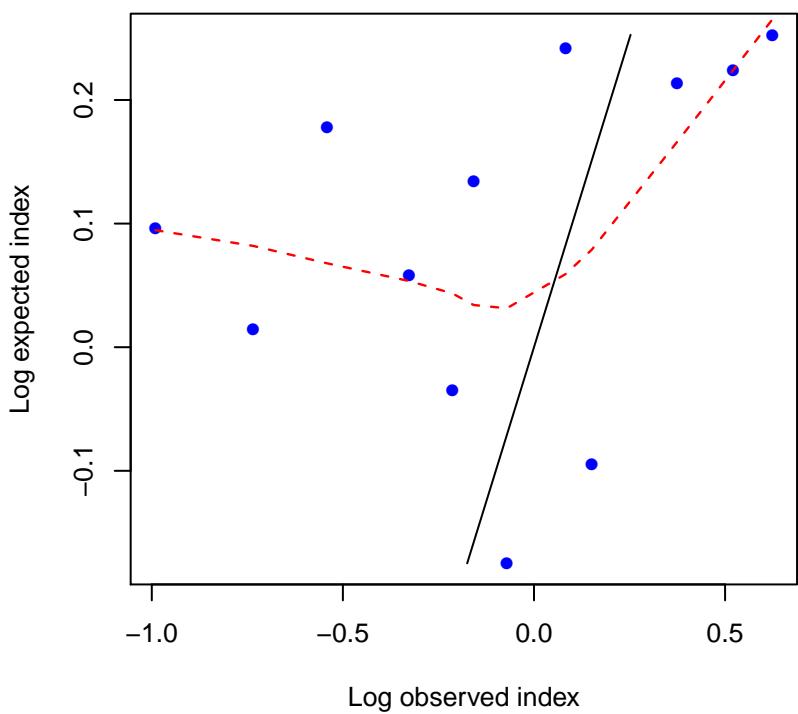
Log index S3_TW_LRG



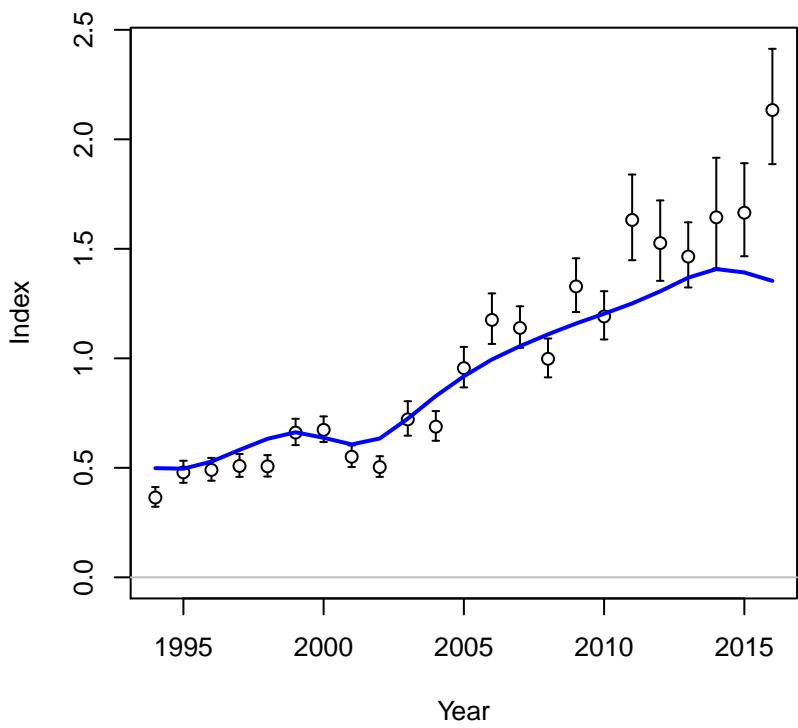
Index S4_JPN_SS

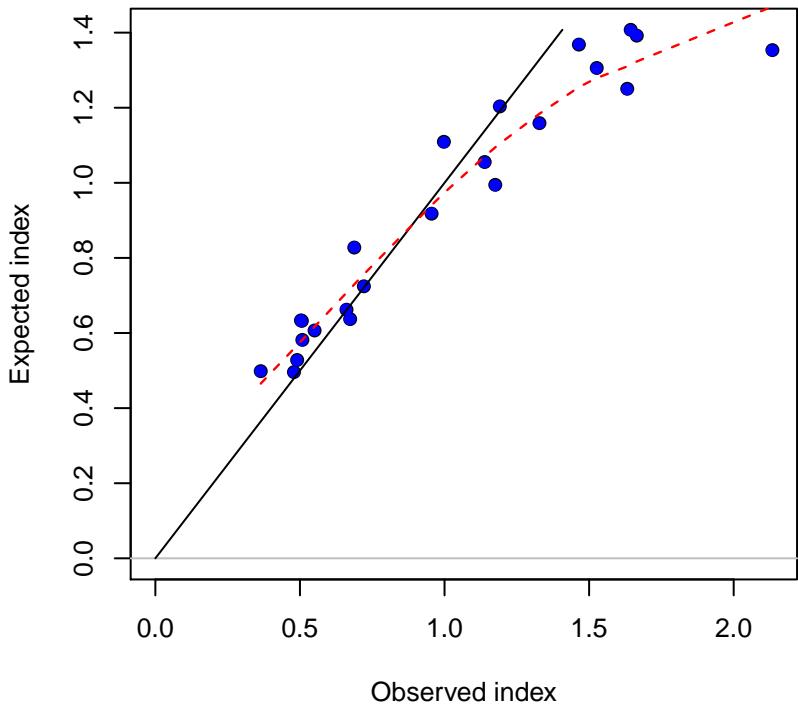
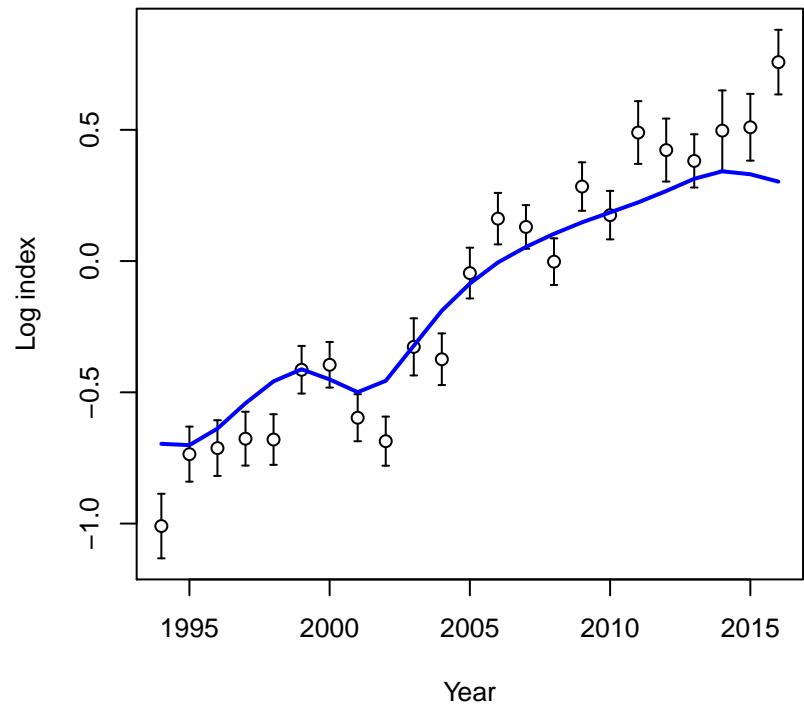
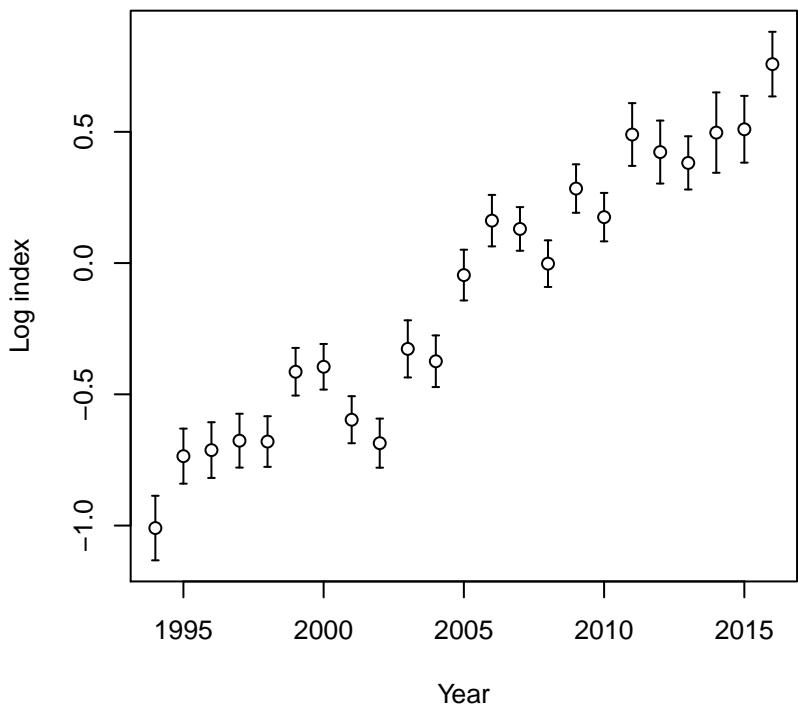
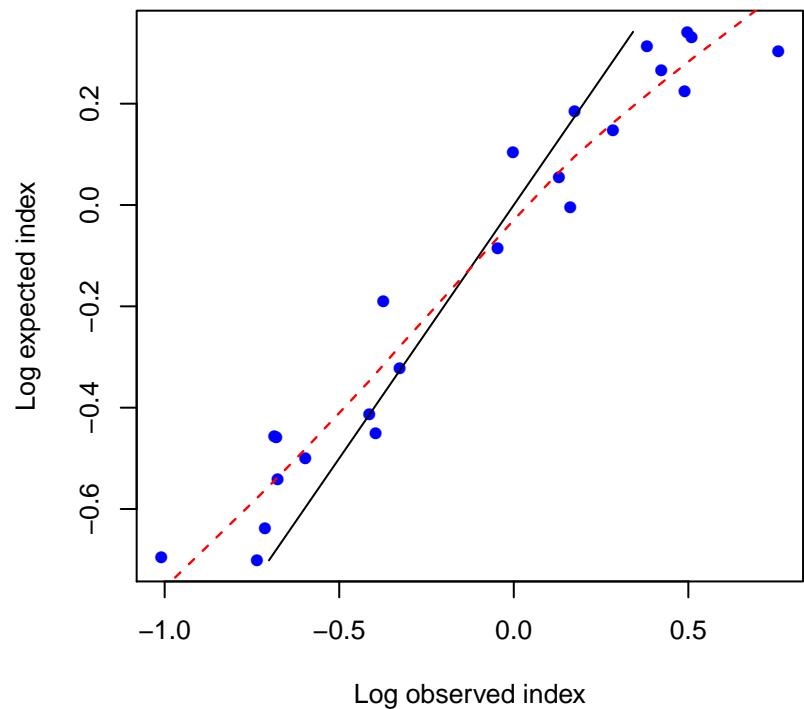


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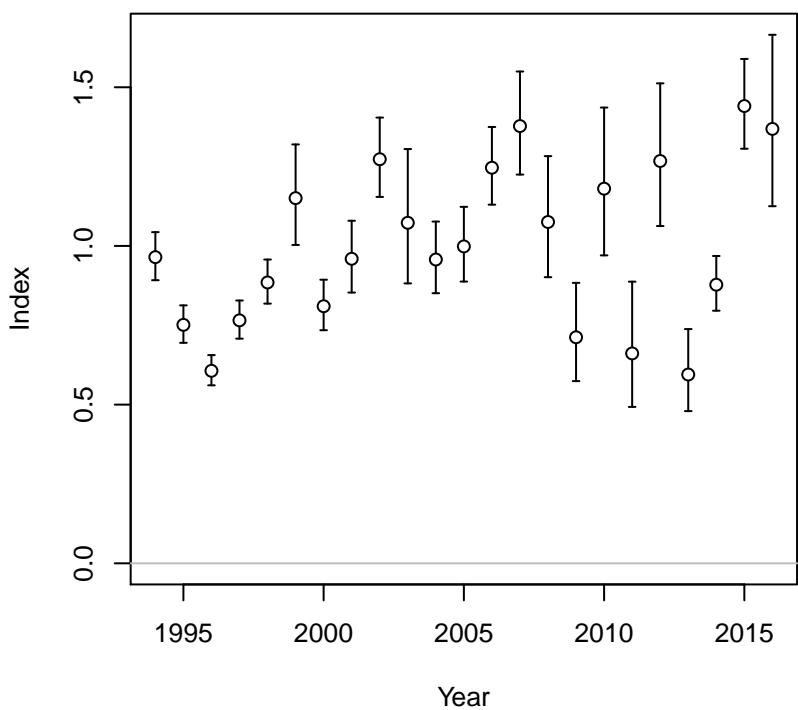


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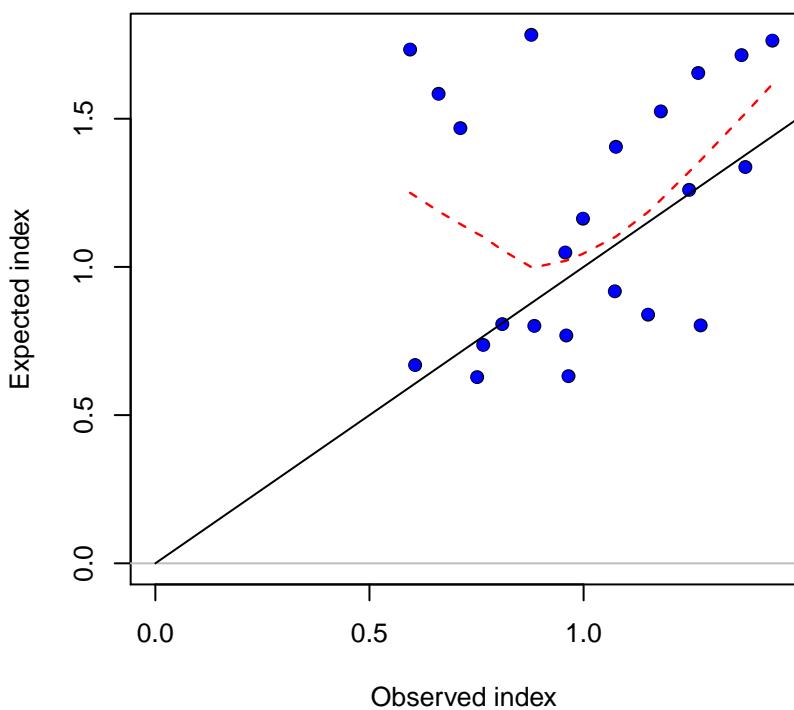


Index S4_JPN_SS**Log index S4_JPN_SS****Log index S4_JPN_SS****Log index S4_JPN_SS**

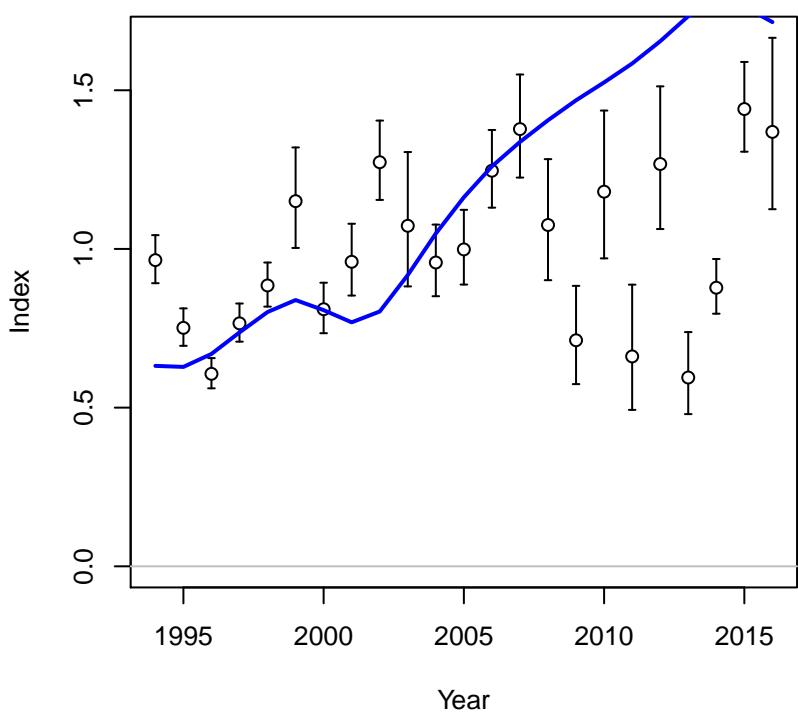
Index S5_JPN_RTV



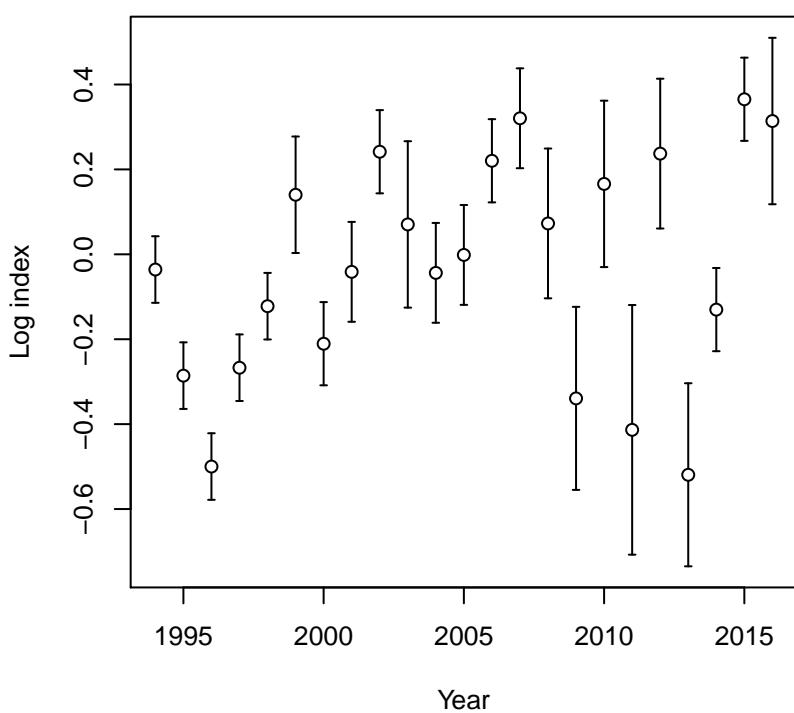
Index S5_JPN_RTV

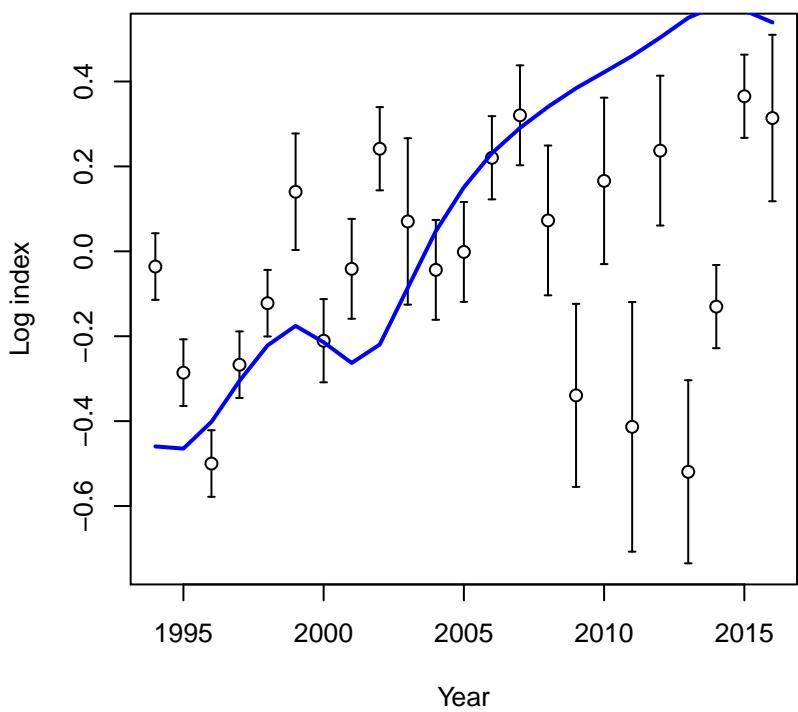
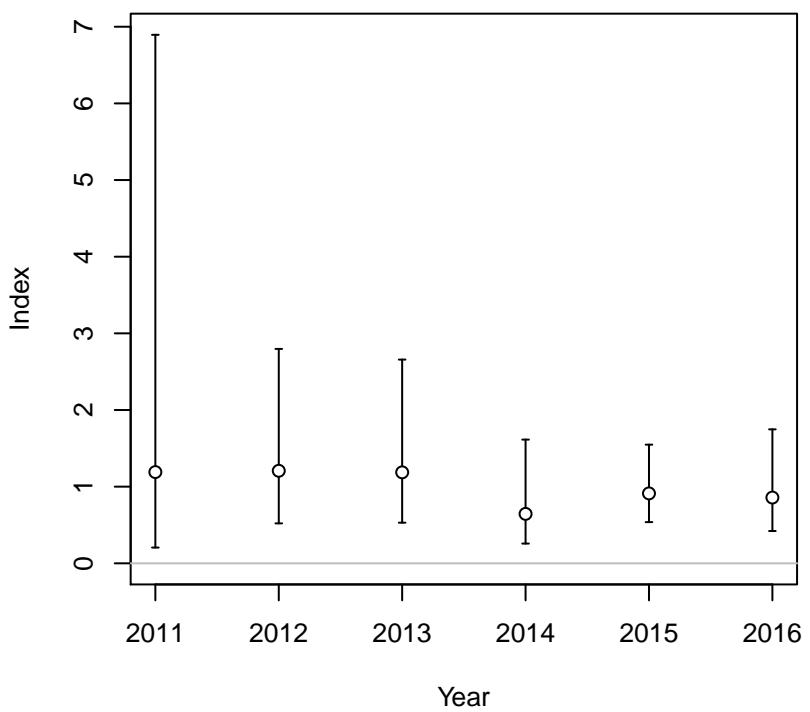
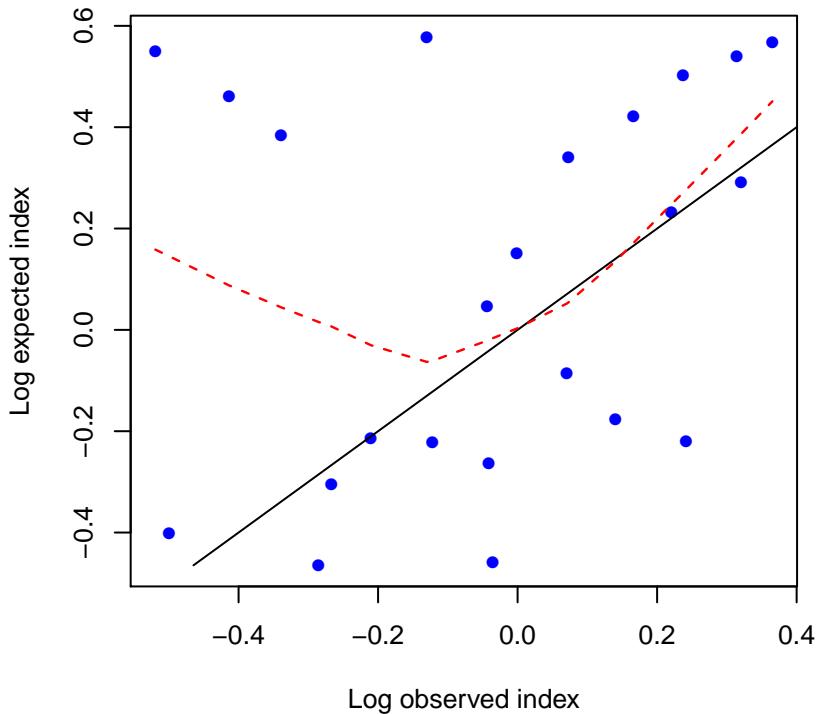
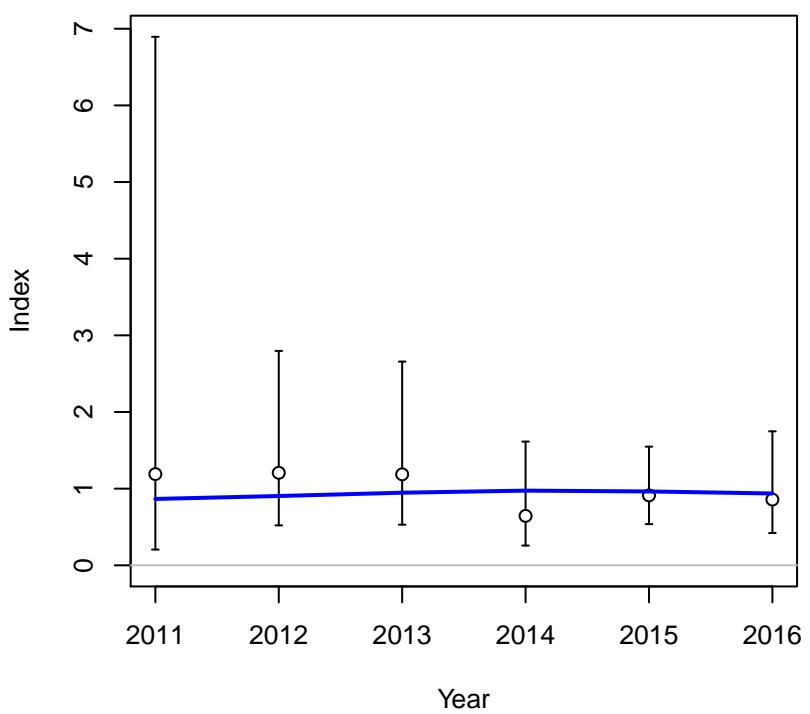


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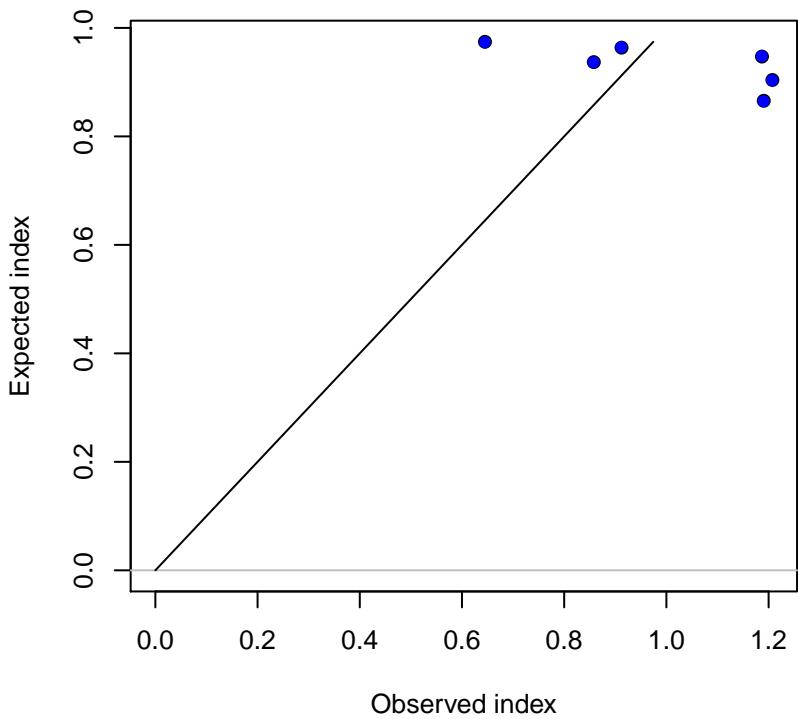


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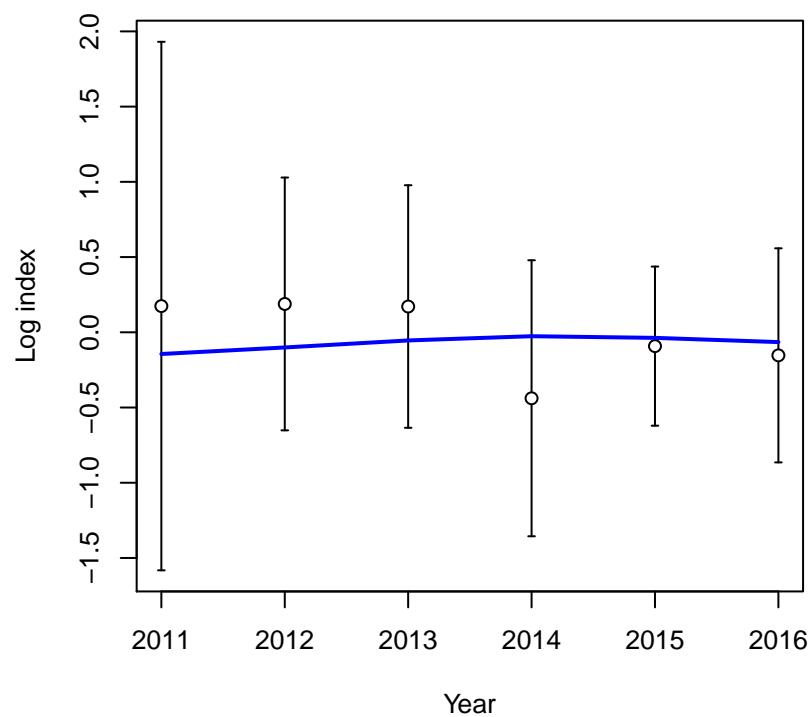


Log index S5_JPN_RTV**Index S6_JPN_OBS****Log index S5_JPN_RTV****Index S6_JPN_OBS**

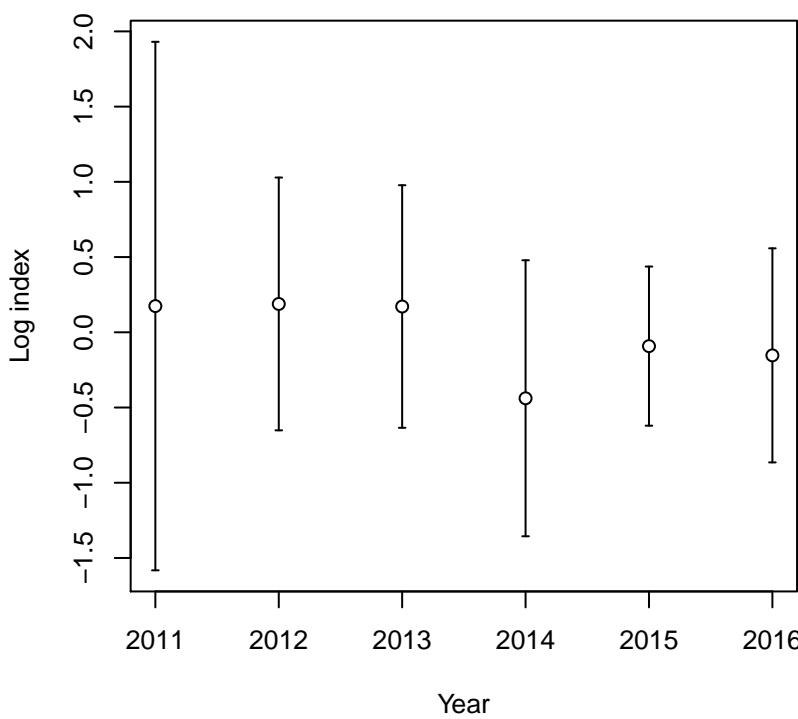
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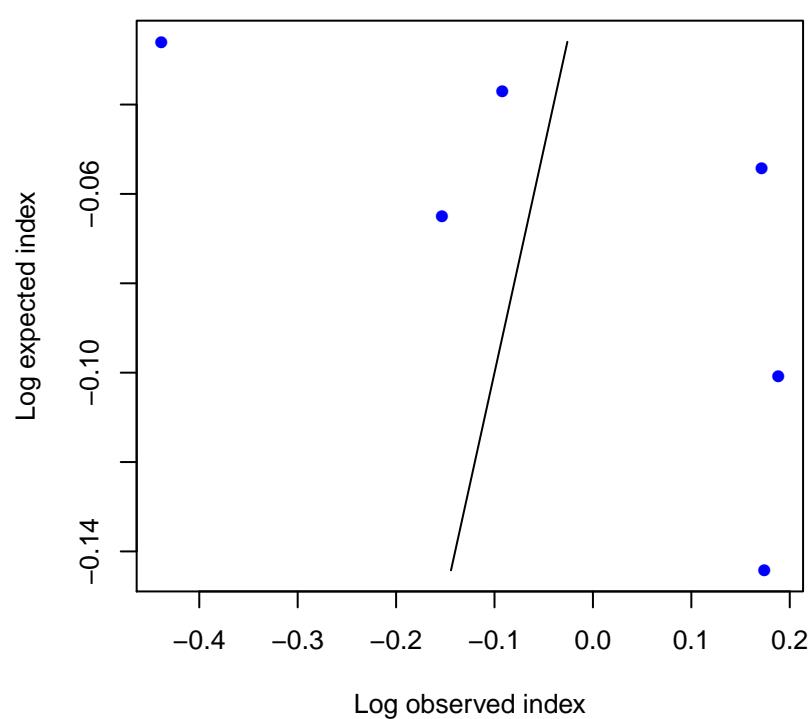
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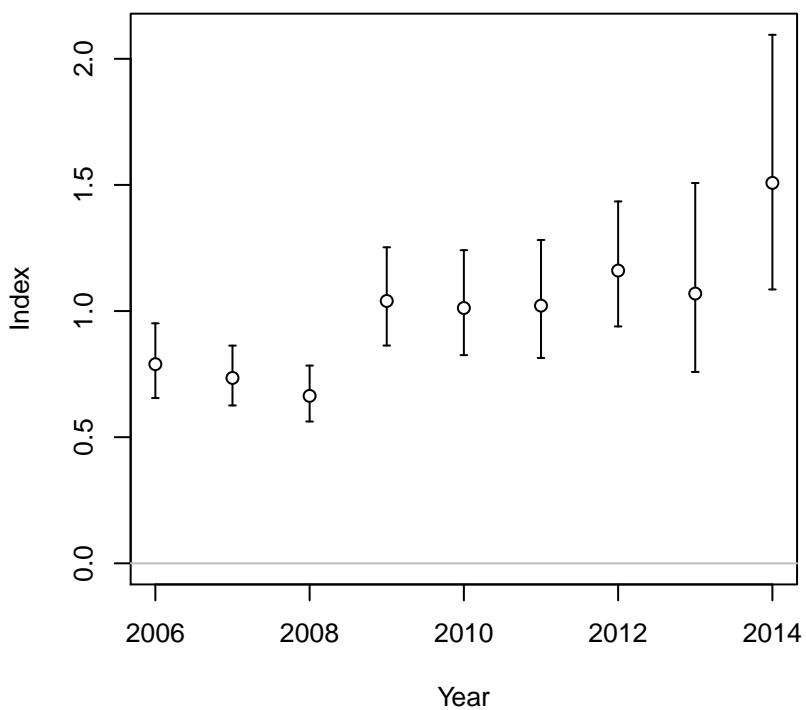
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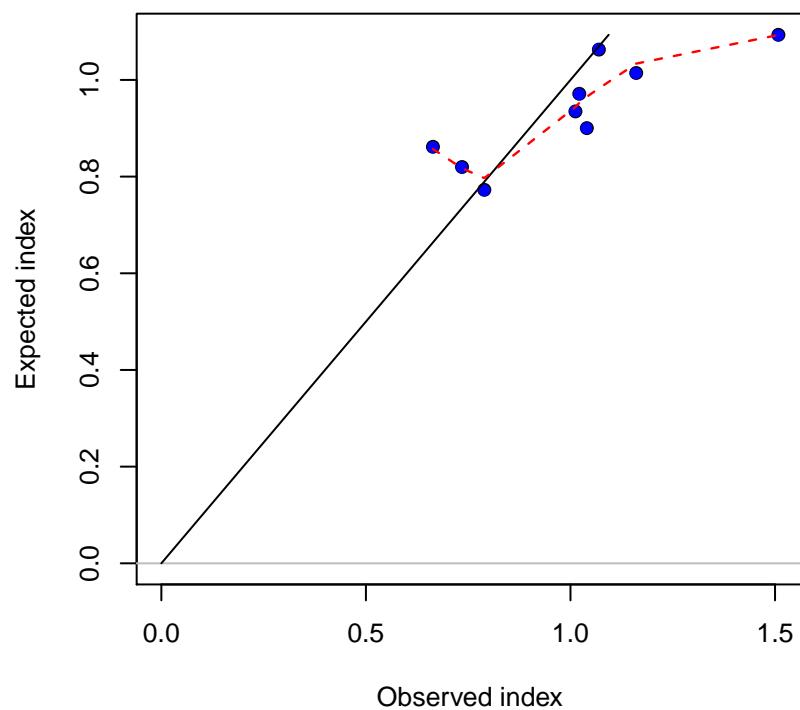
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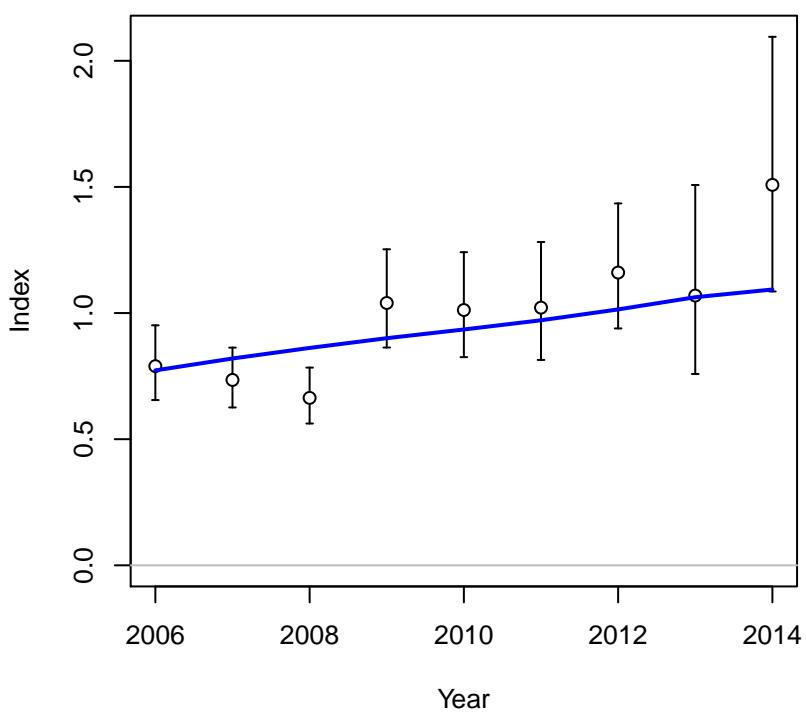
Index S7_JPN_GEO



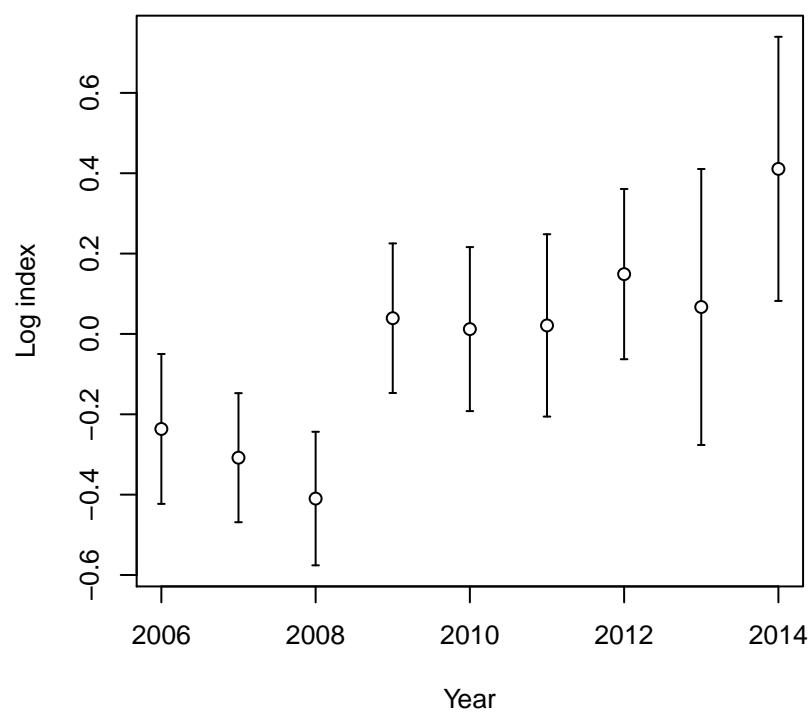
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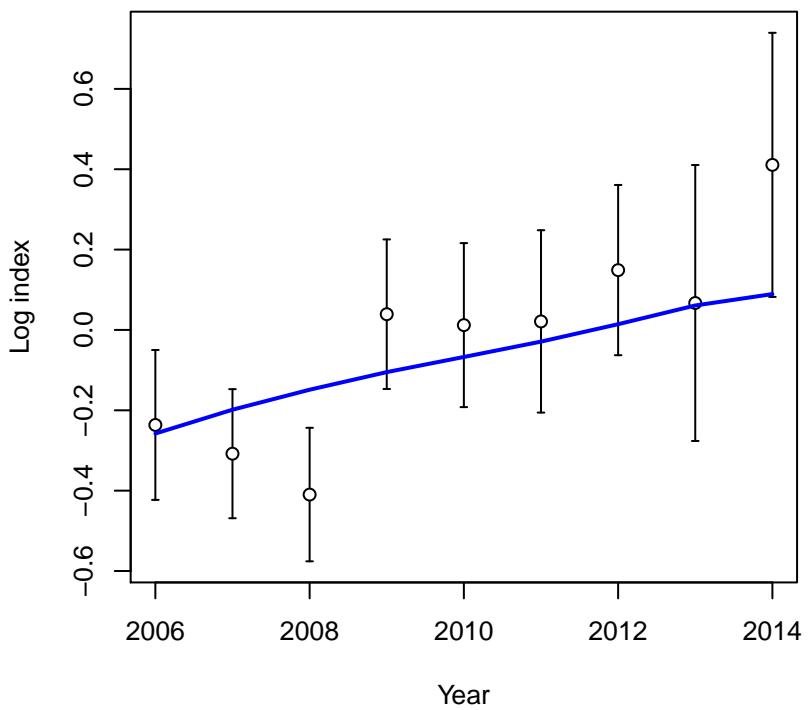
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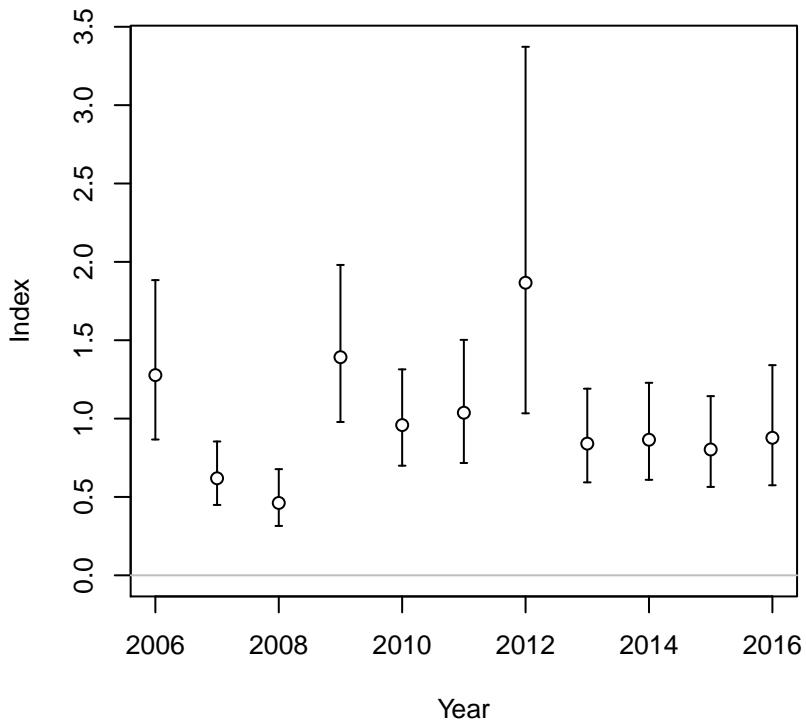
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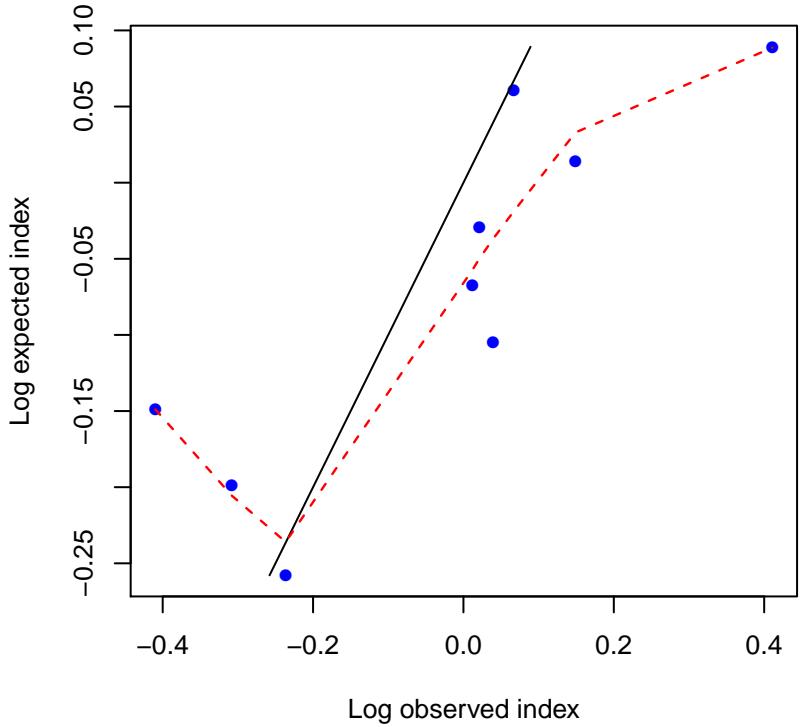
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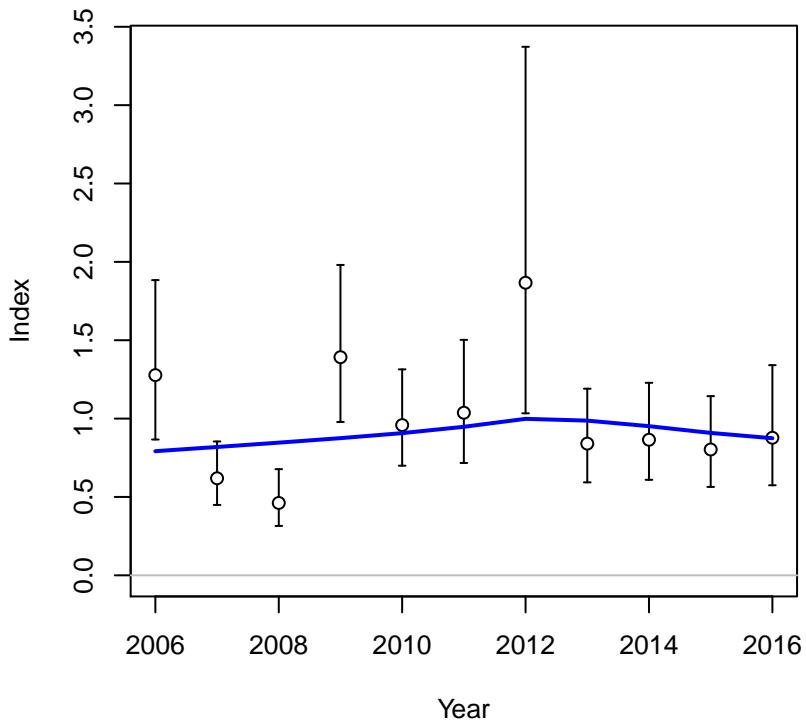
Index S8_MEX

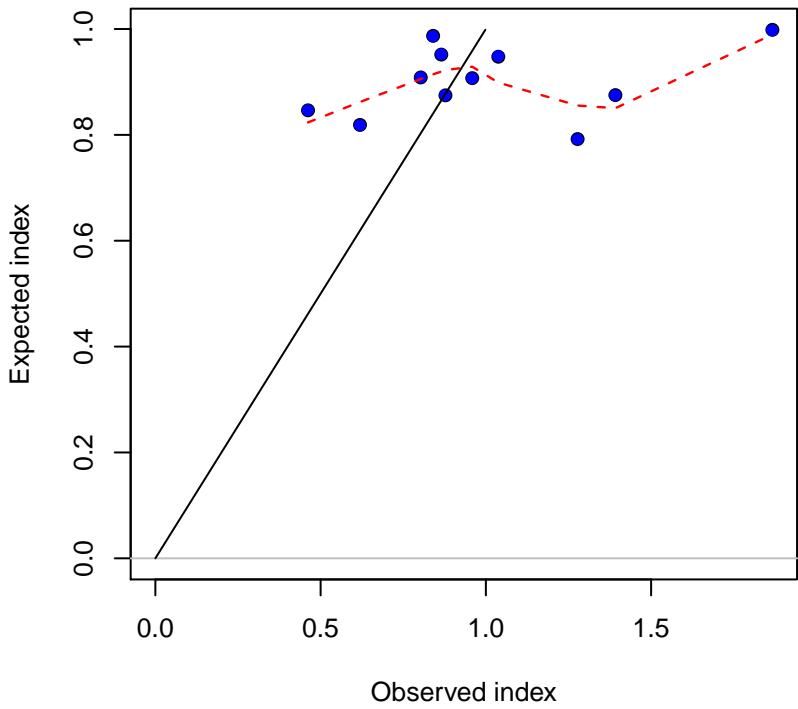
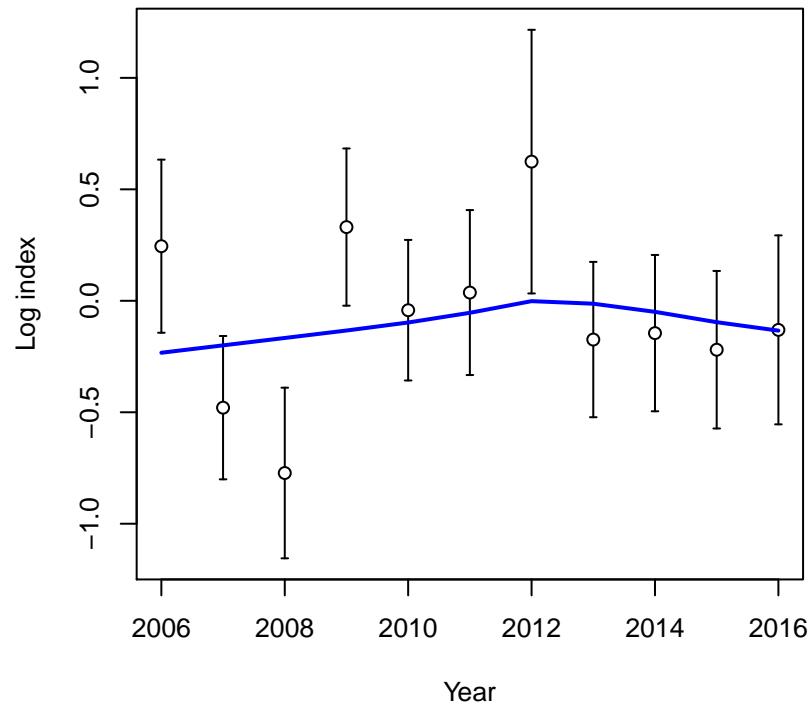
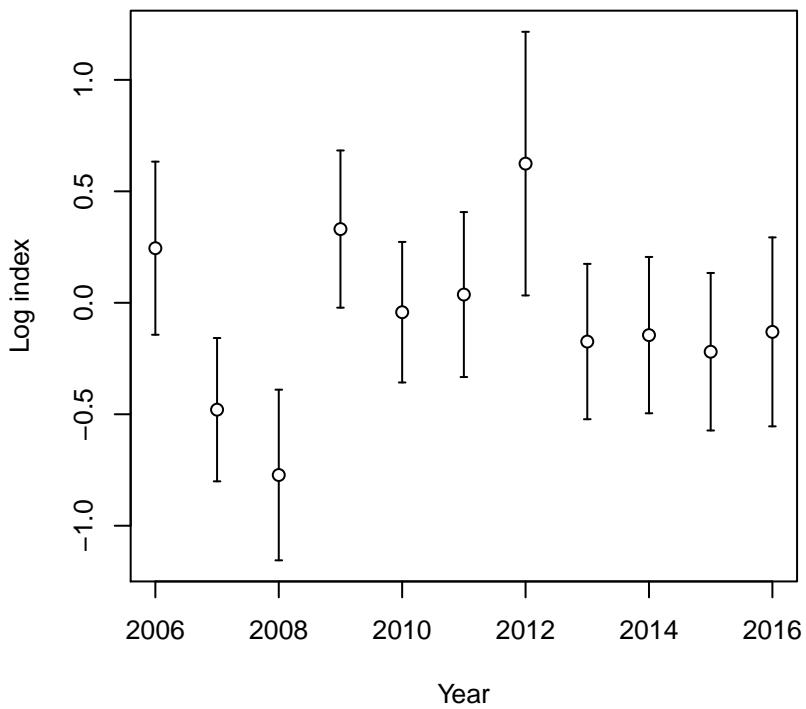
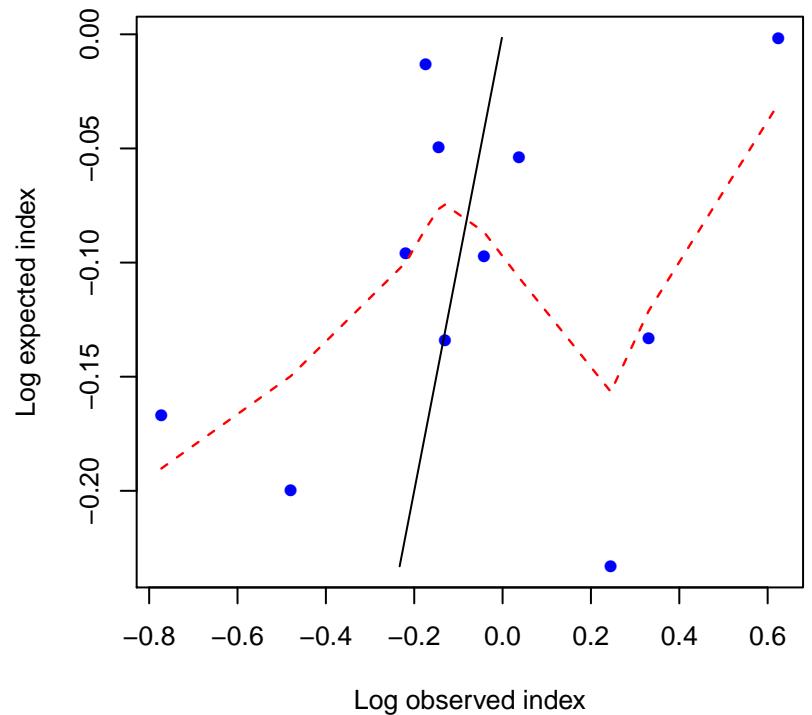


Log index S7_JPN_GEO

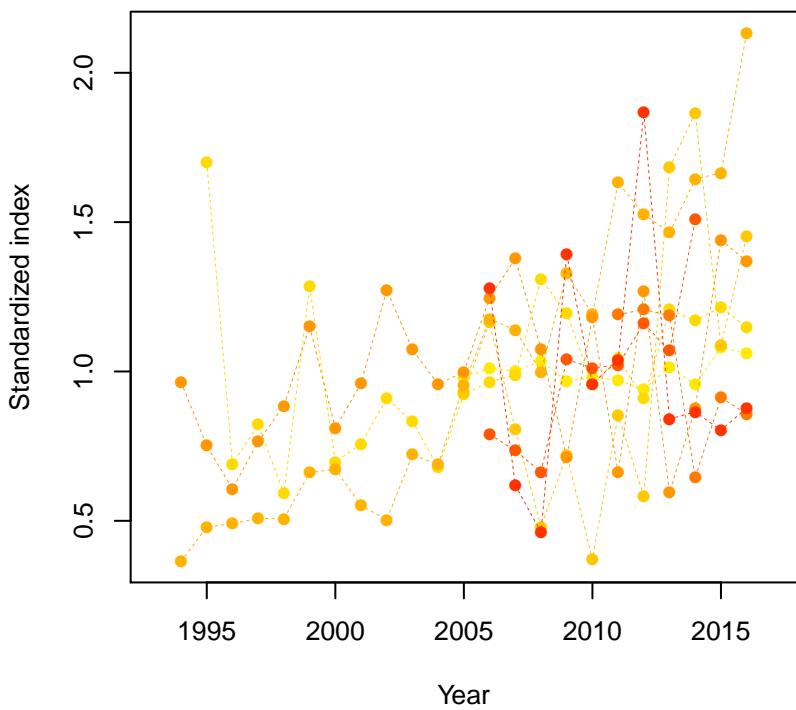


Index S8_MEX

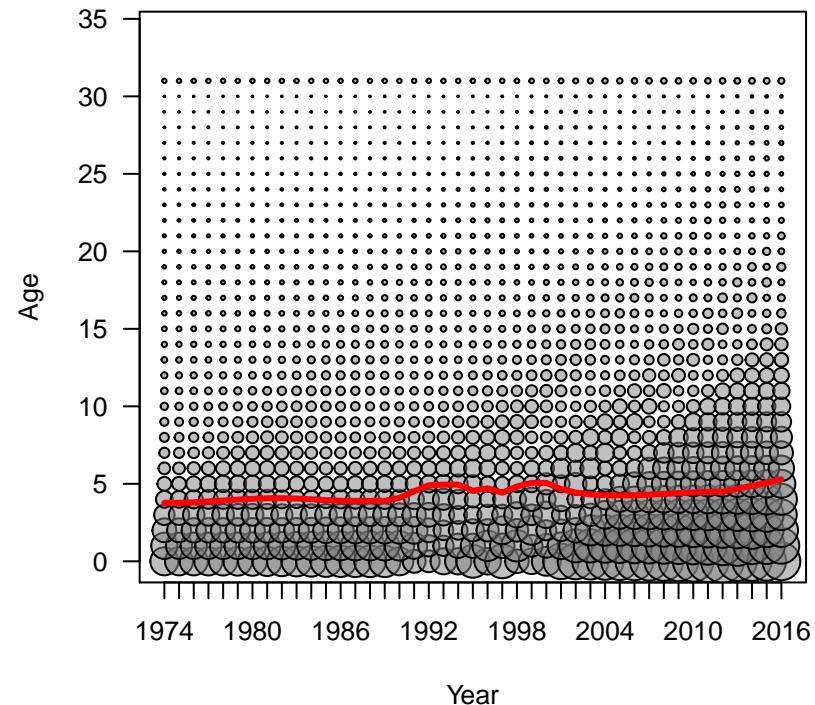


Index S8_MEX**Log index S8_MEX****Log index S8_MEX****Log index S8_MEX**

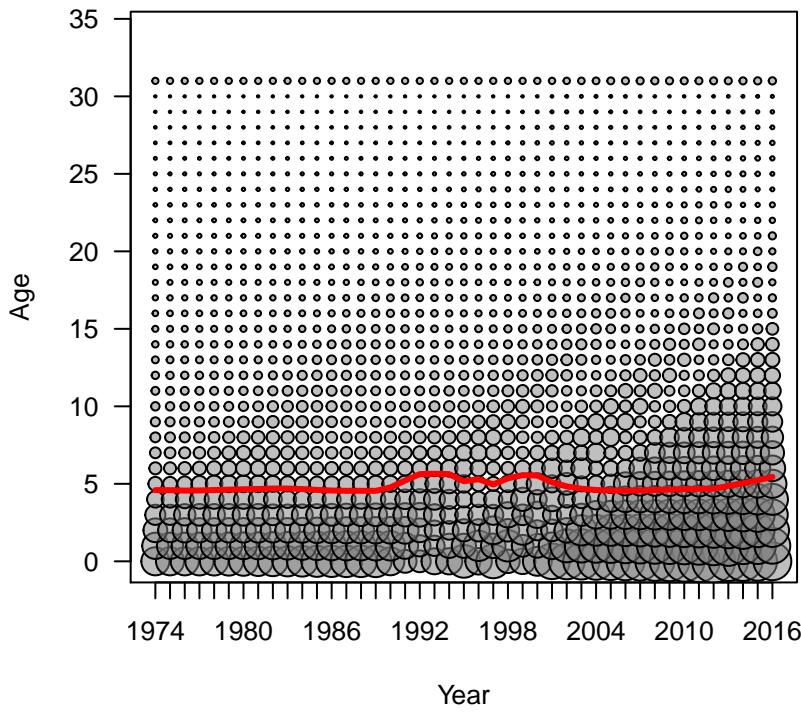
All cpue plot



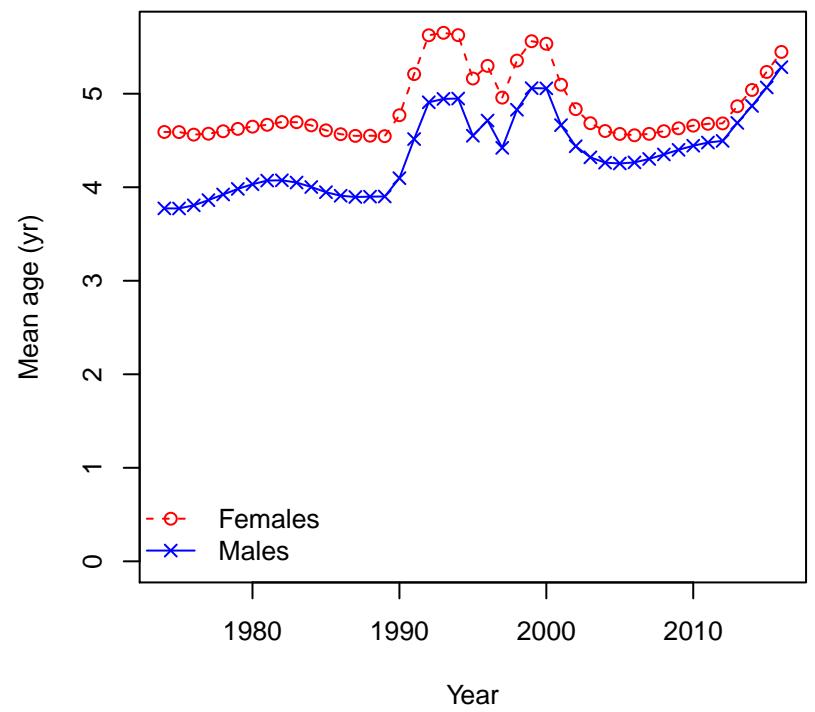
beginning of year expected numbers at age of males in (max ~ 675.2 the



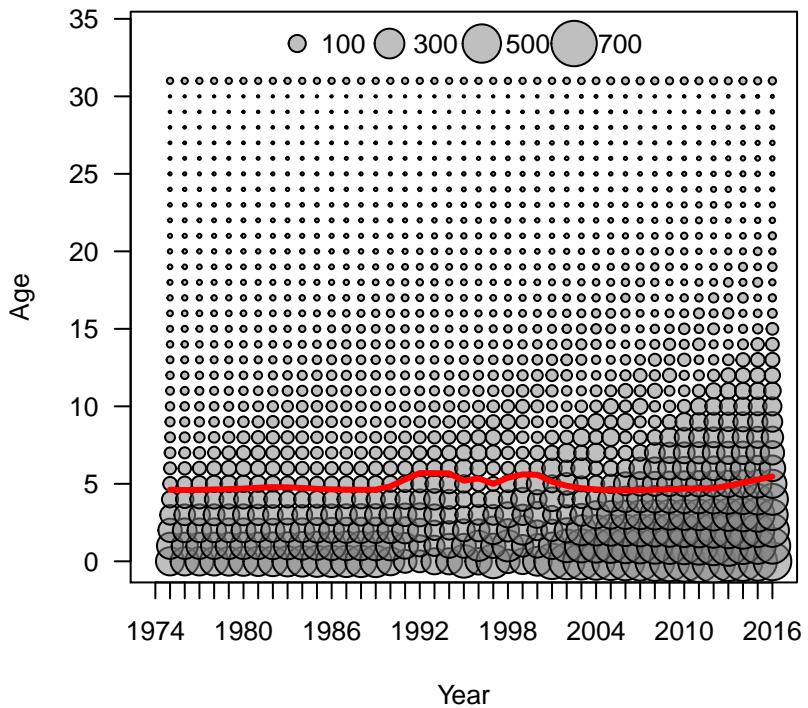
beginning of year expected numbers at age of females in (max ~ 675.2 th



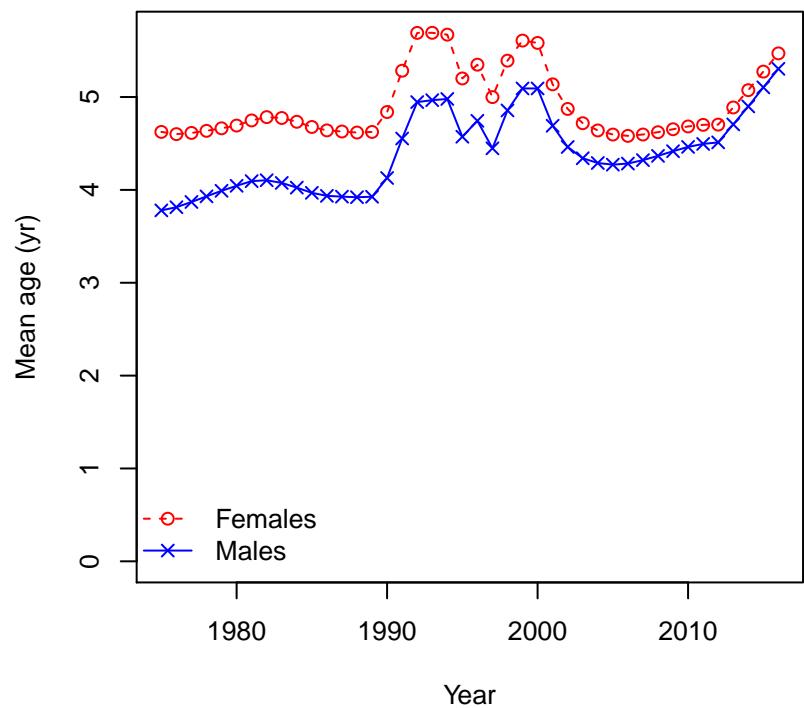
Beginning of year mean age in the population



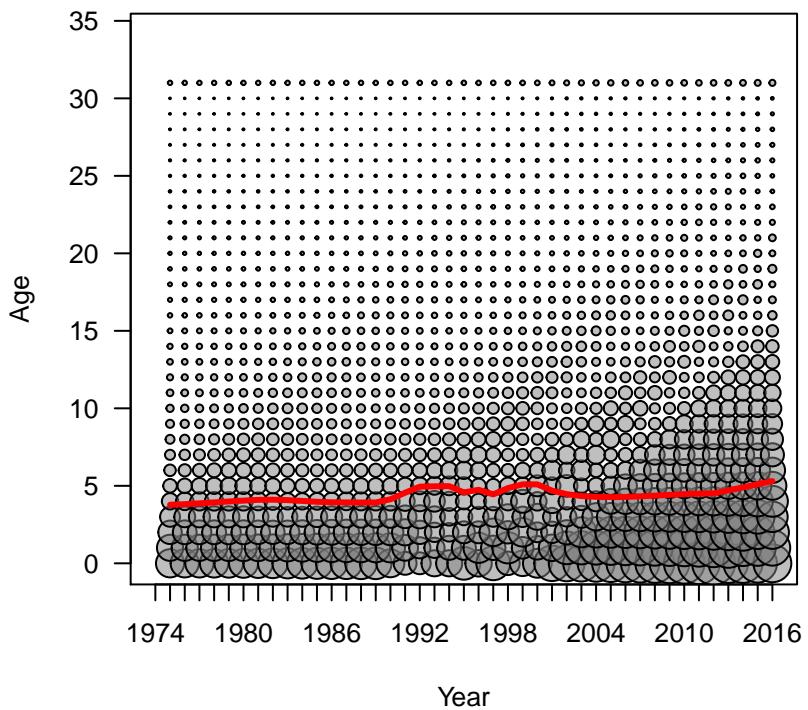
Middle of year expected numbers at age of females in (max ~ 628.5 tho



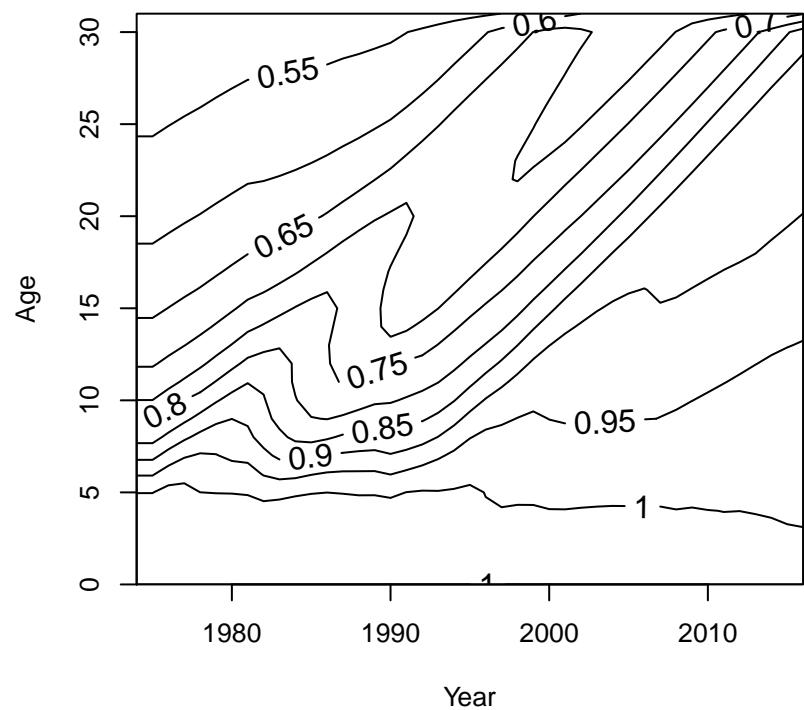
Middle of year mean age in the population



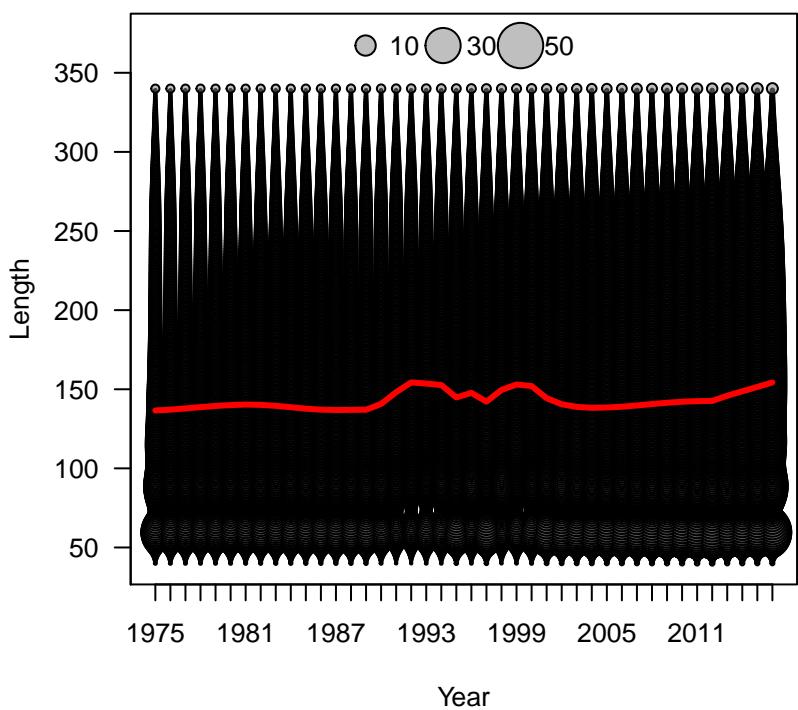
Middle of year expected numbers at age of males in (max ~ 628.5 tho)



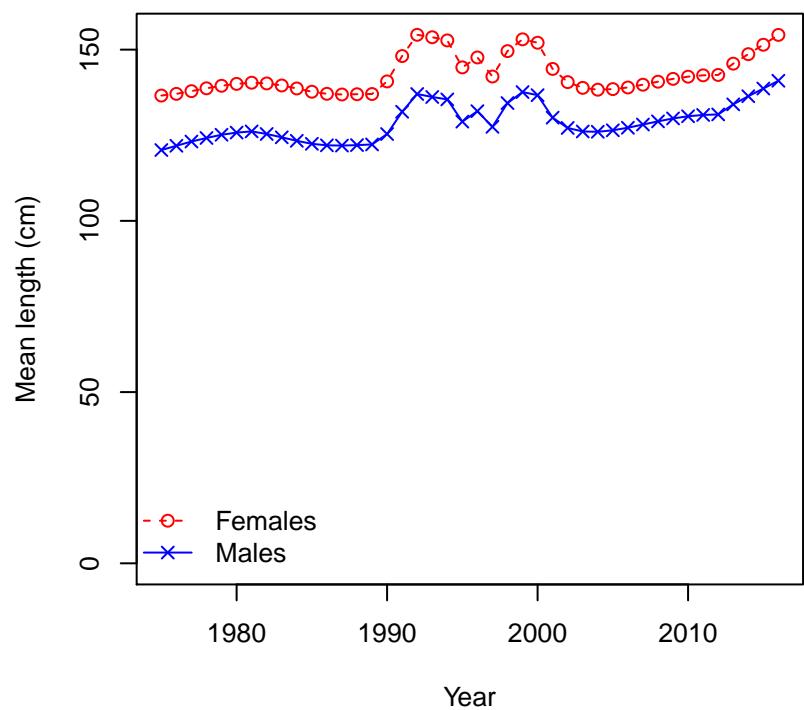
Sex ratio of numbers at age (males/females)



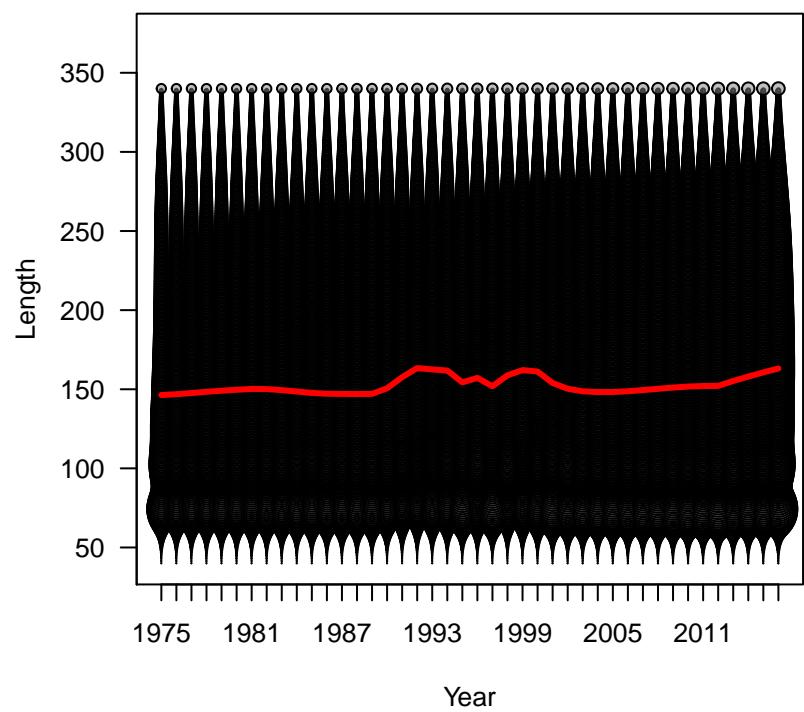
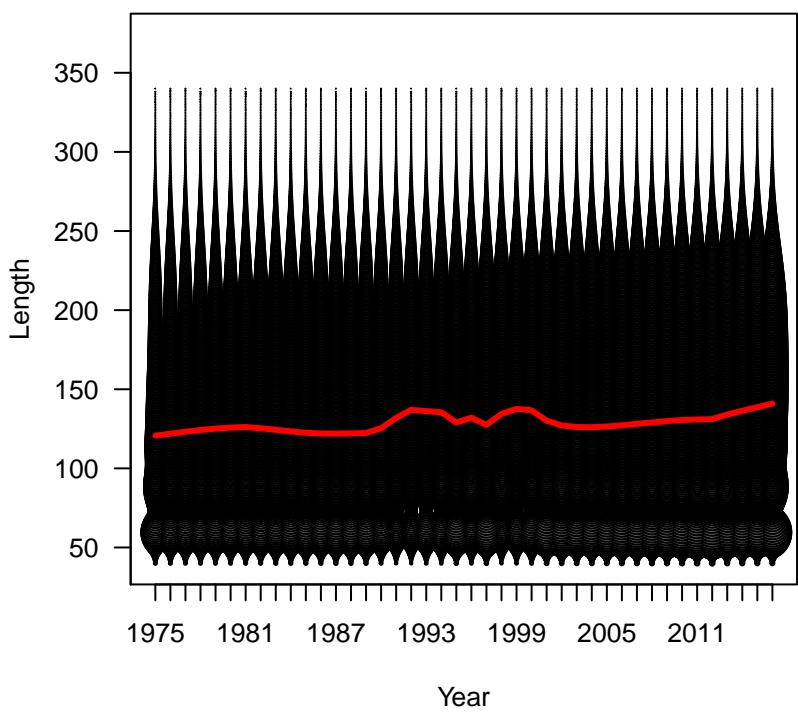
Beginning of year expected numbers at length of females in (max ~ 44.9 t)



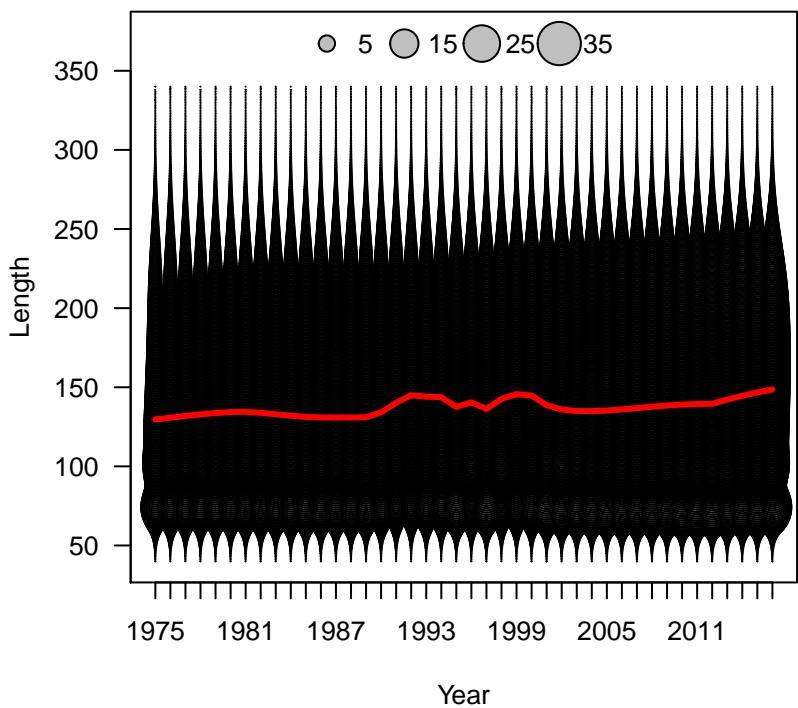
Beginning of year mean length (cm) in the population



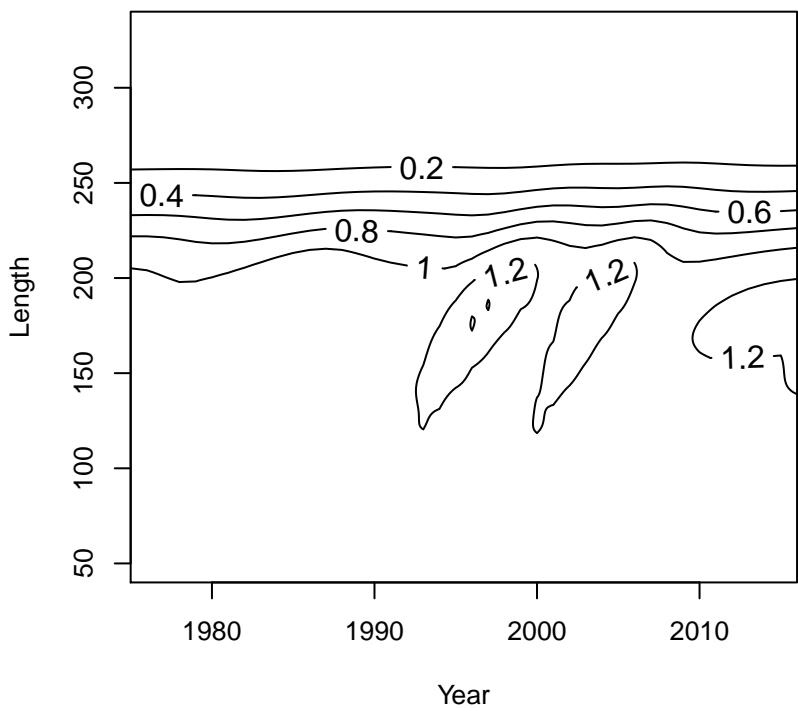
Beginning of year expected numbers at length of males in (max ~ 44.9 t) Middle of year expected numbers at length of females in (max ~ 34.3 t)



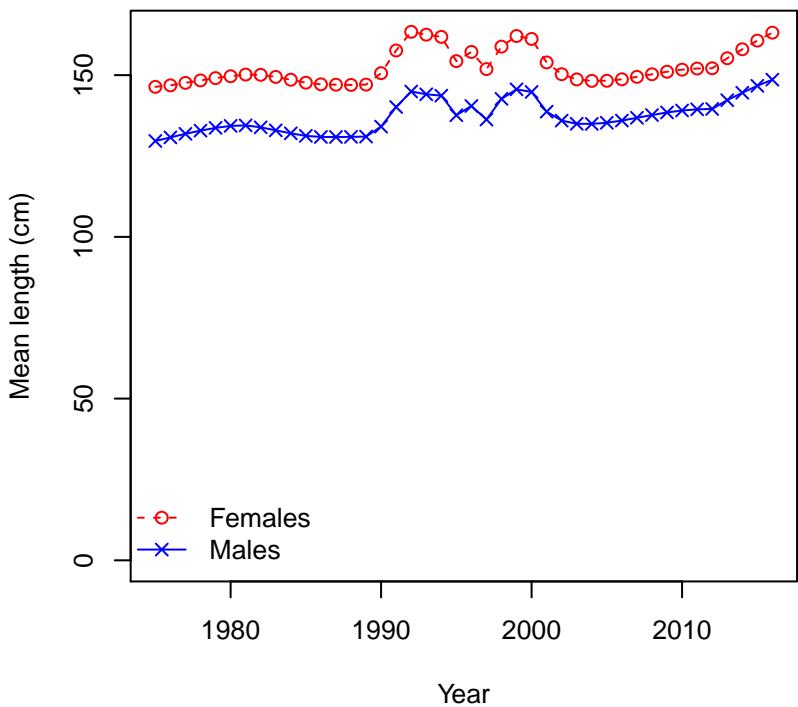
Middle of year expected numbers at length of males in (max ~ 34.6 tho



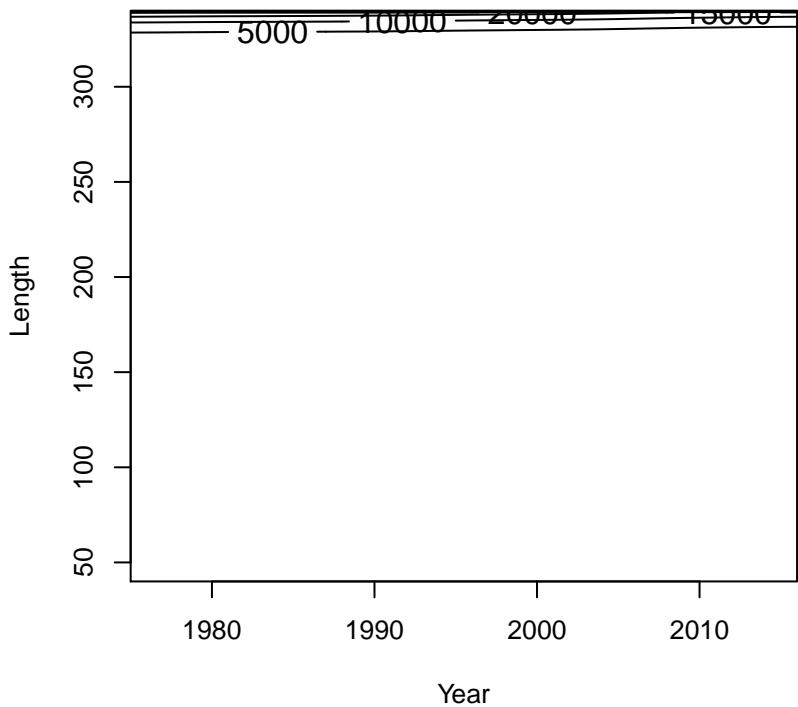
Sex ratio of numbers at length (males/females)



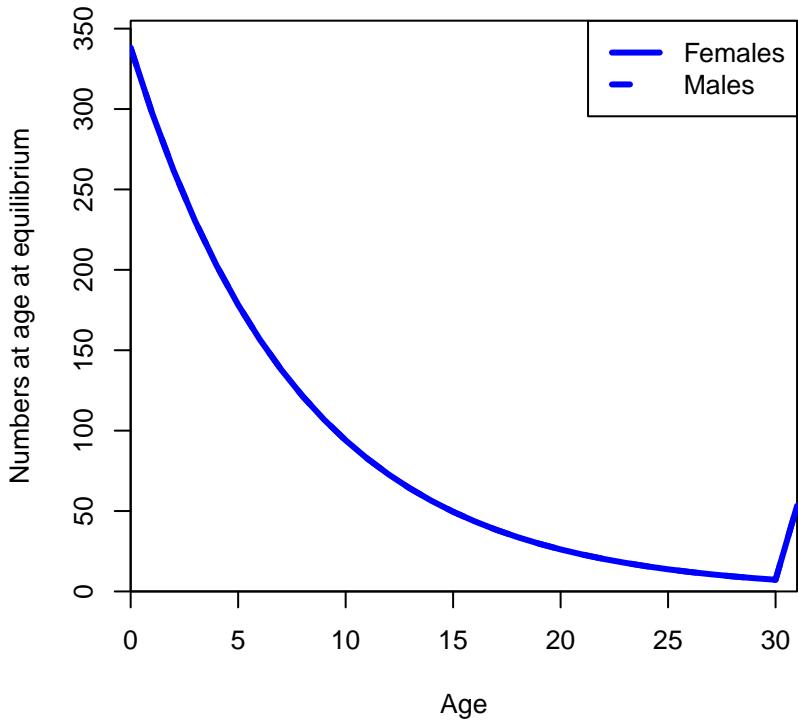
Middle of year mean length (cm) in the population



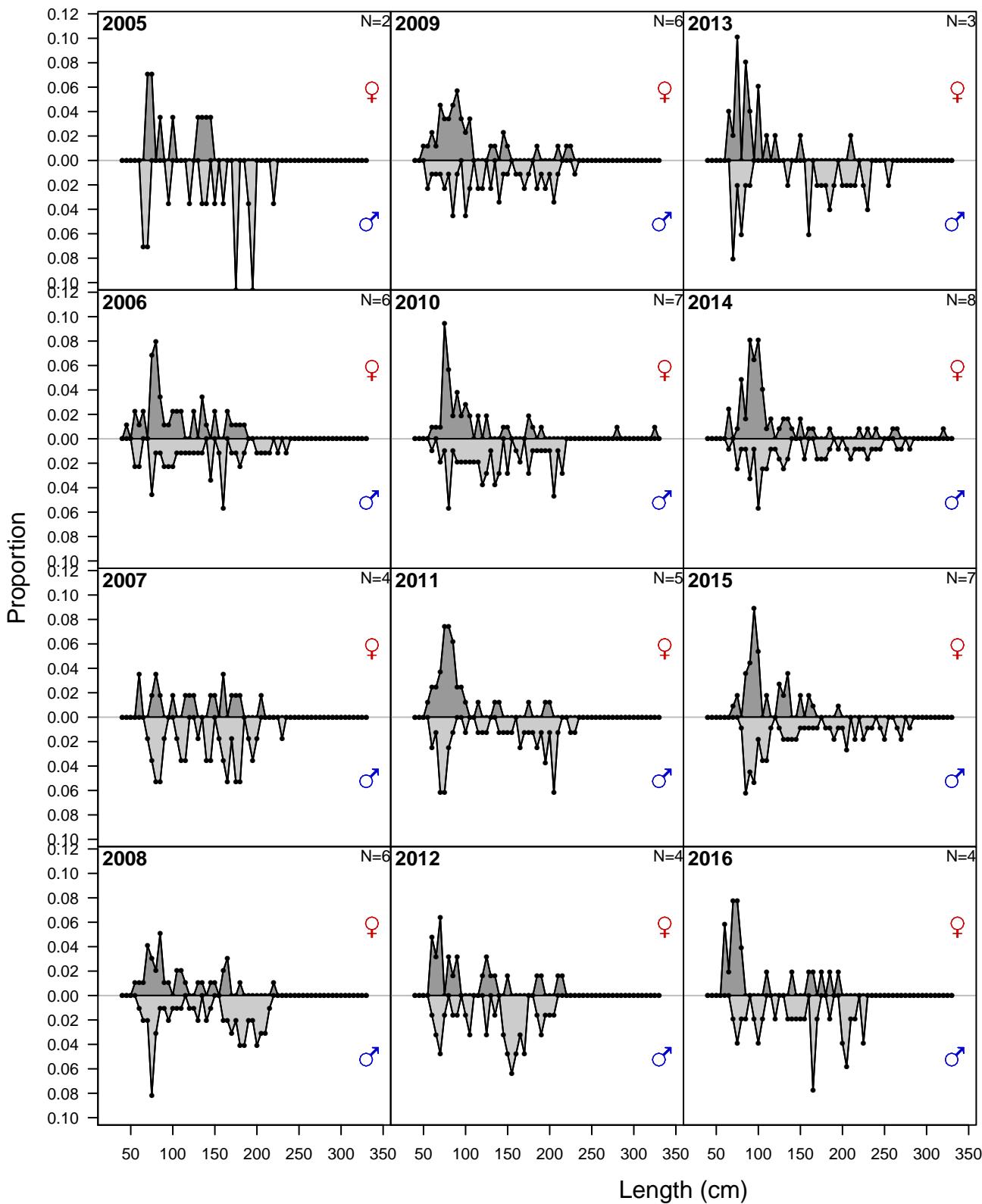
Sex ratio of numbers at length (females/males)



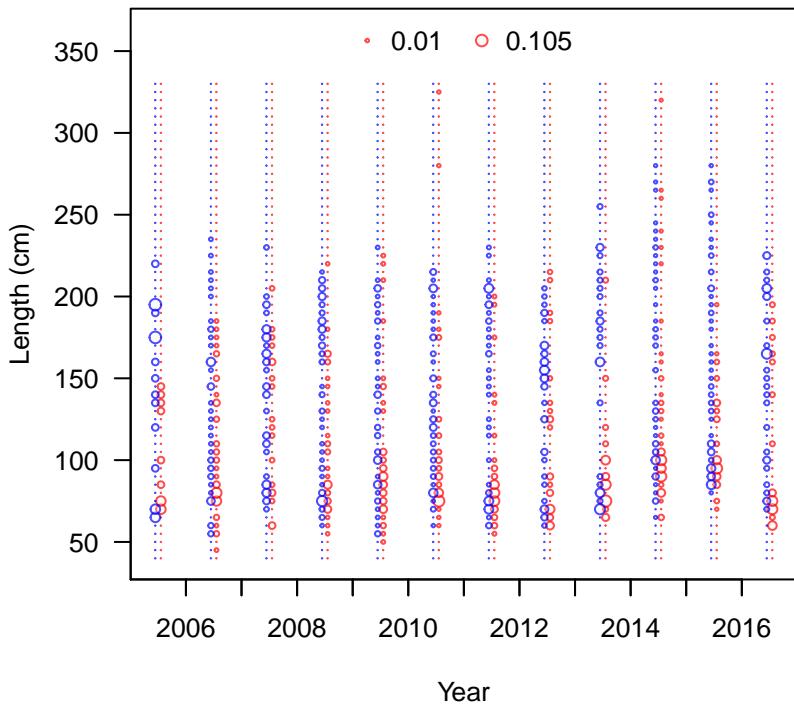
Equilibrium age distribution



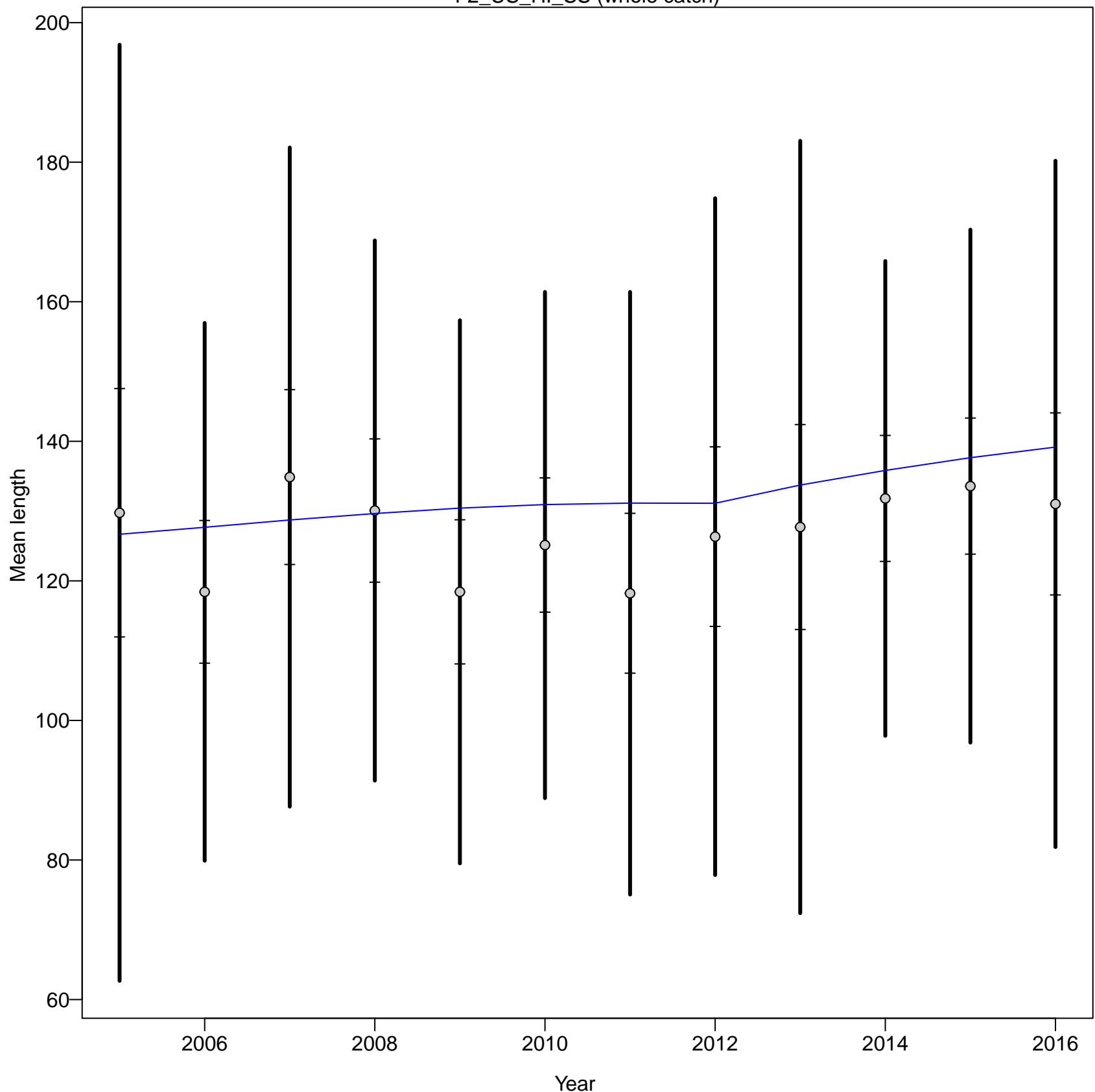
length comp data, whole catch, F2_US_HI_SS



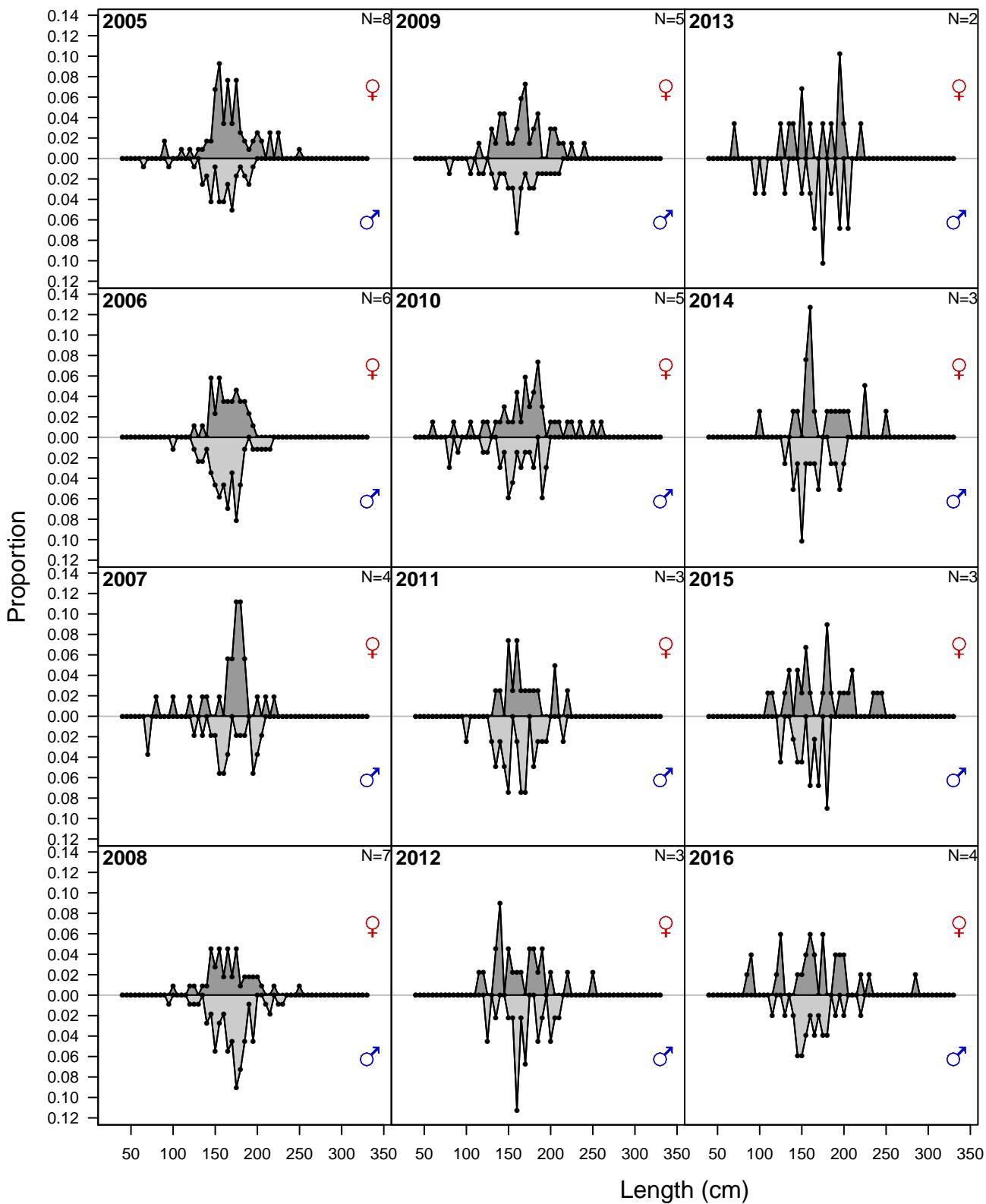
length comp data, whole catch, F2_US_HI_SS (max=0.11)



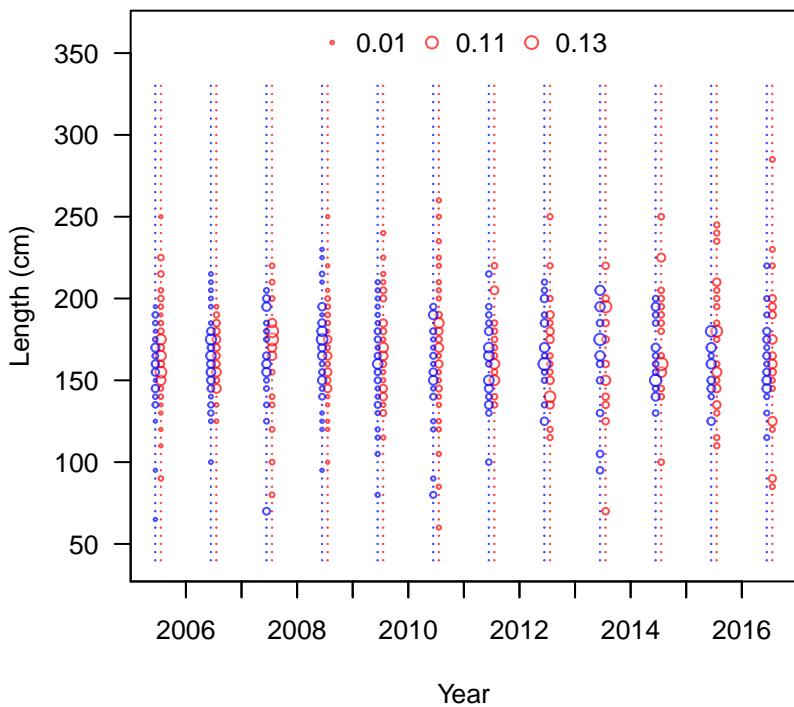
F2_US_HI_SS (whole catch)



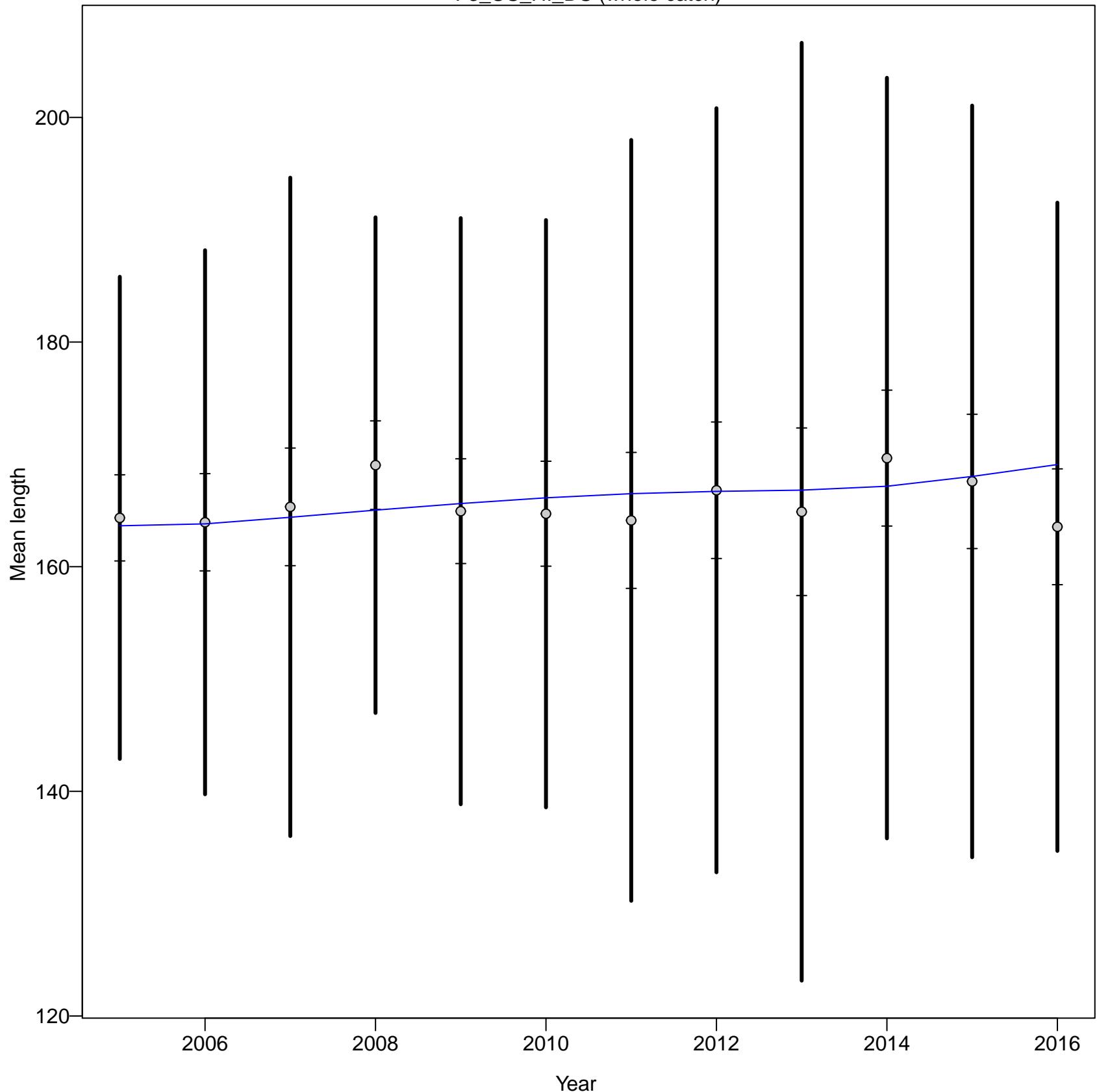
length comp data, whole catch, F3_US_HI_DS



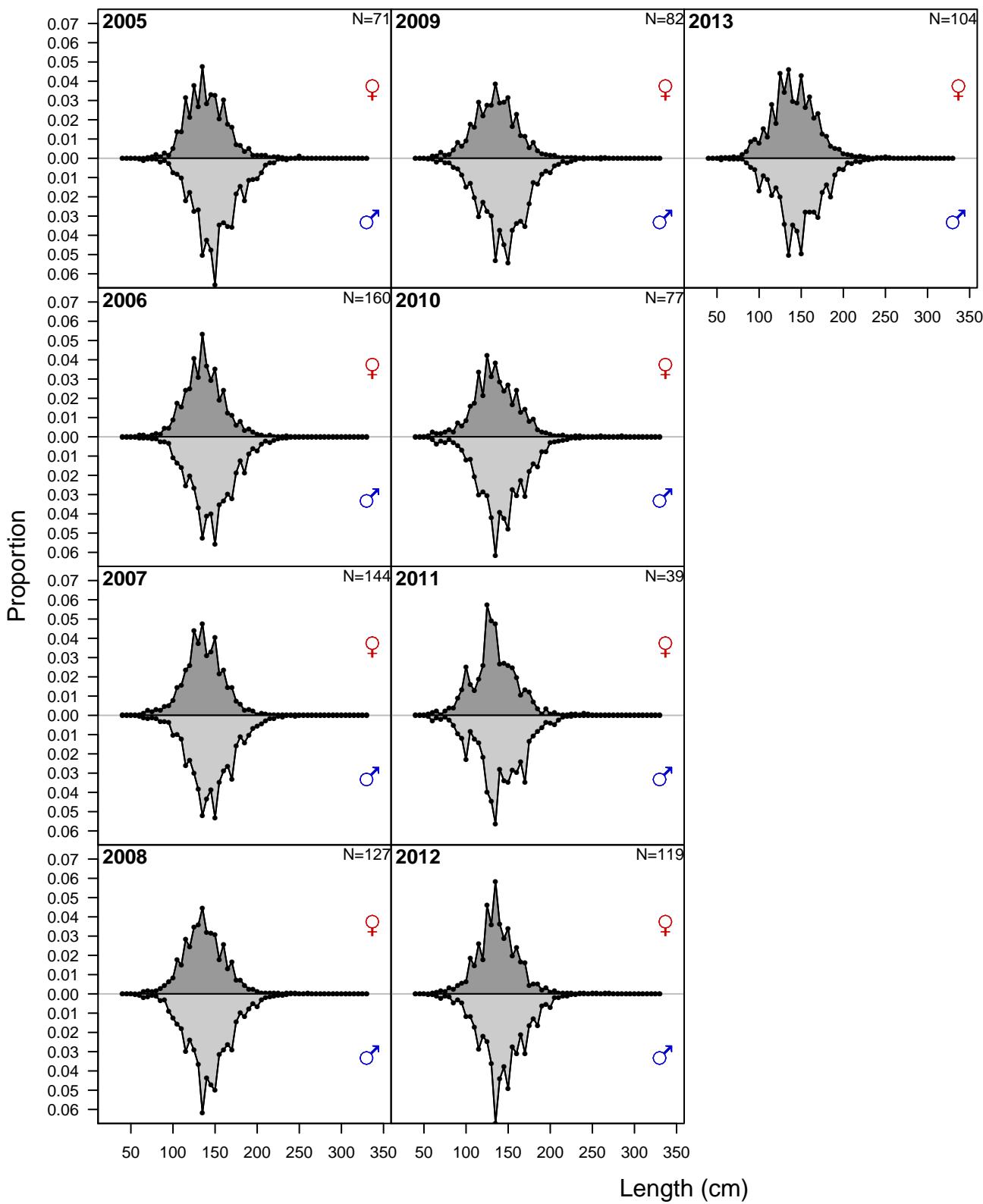
length comp data, whole catch, F3_US_HI_DS (max=0.13)



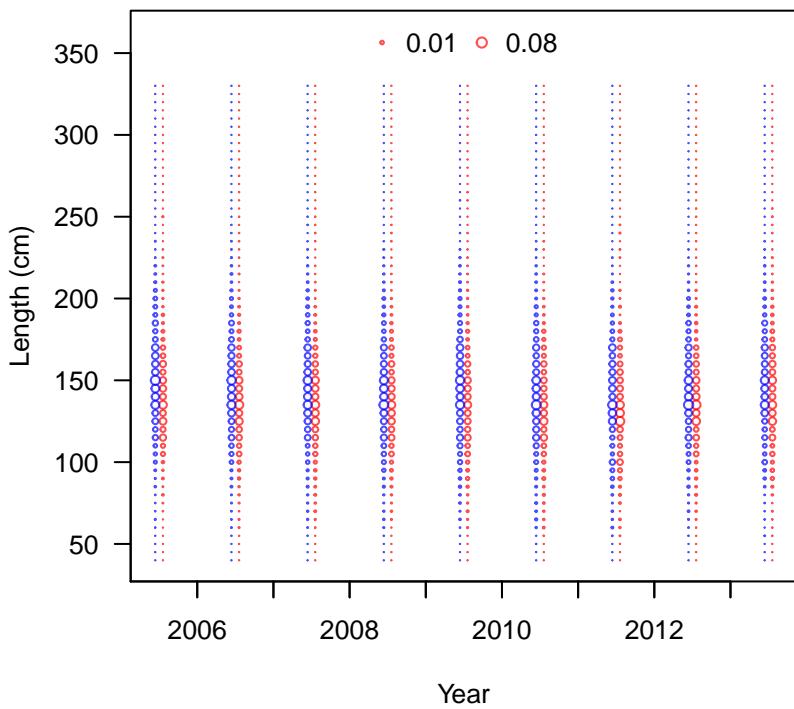
F3_US_HI_DS (whole catch)



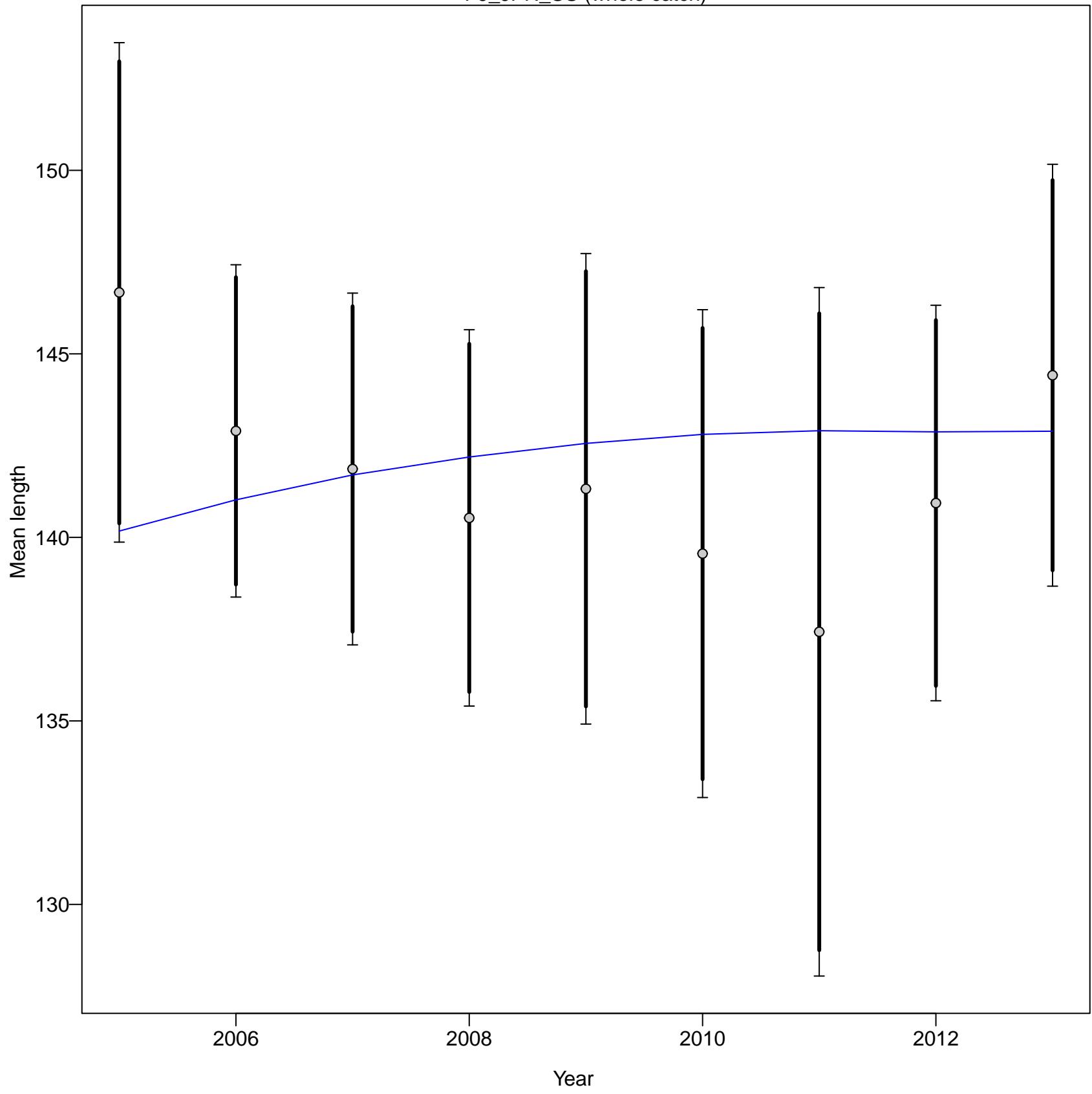
length comp data, whole catch, F9_JPN_SS



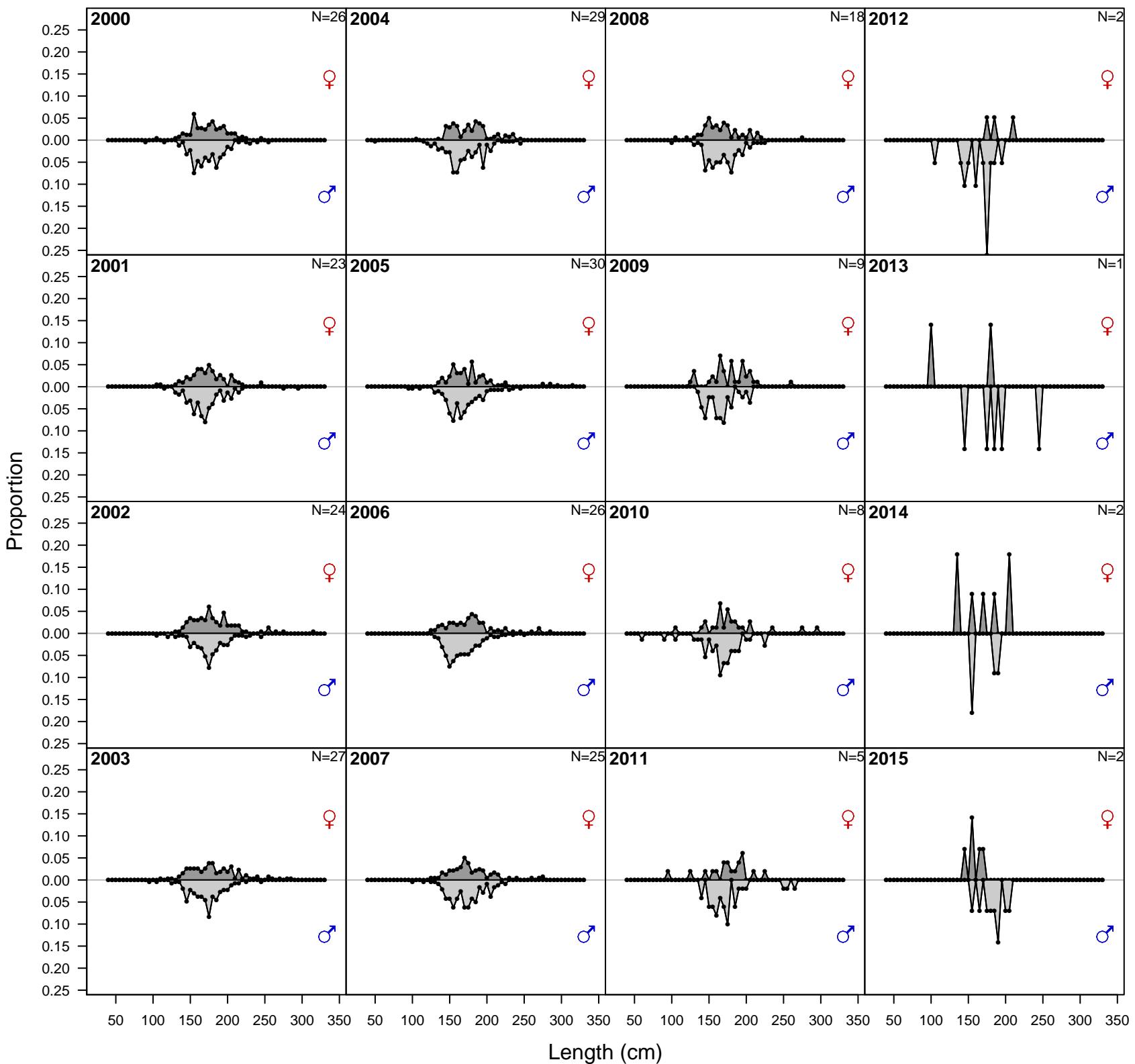
length comp data, whole catch, F9_JPN_SS (max=0.07)



F9_JPN_SS (whole catch)

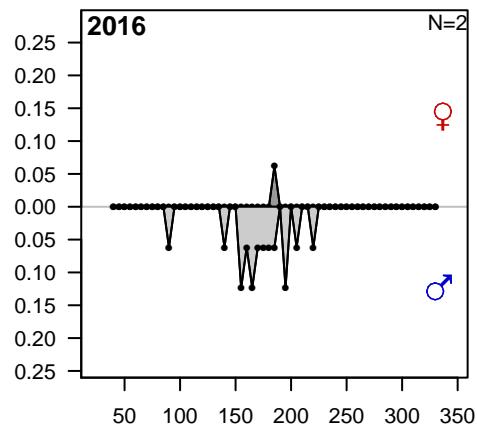


length comp data, whole catch, F10_JPN_DS



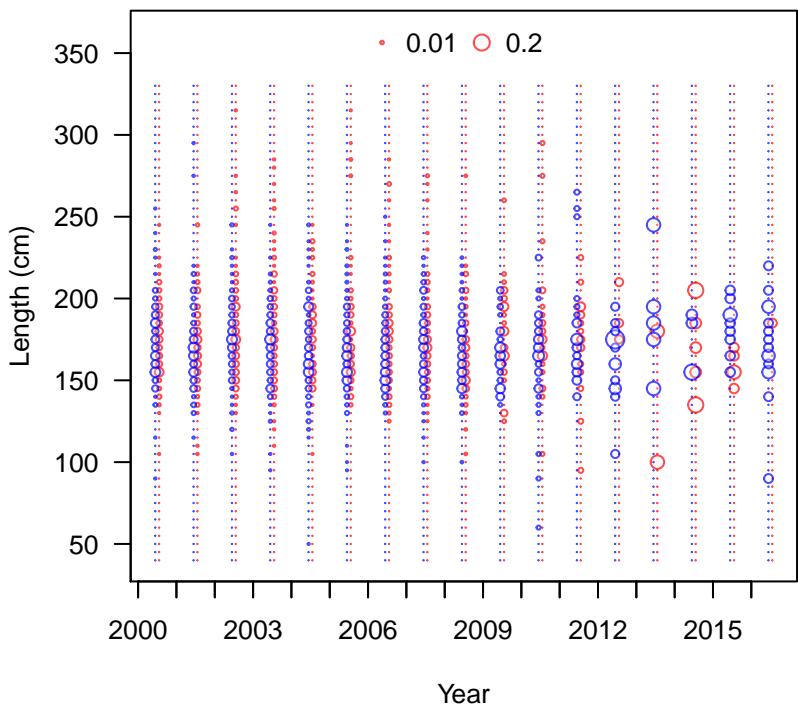
length comp data, whole catch, F10_JPN_DS

Proportion

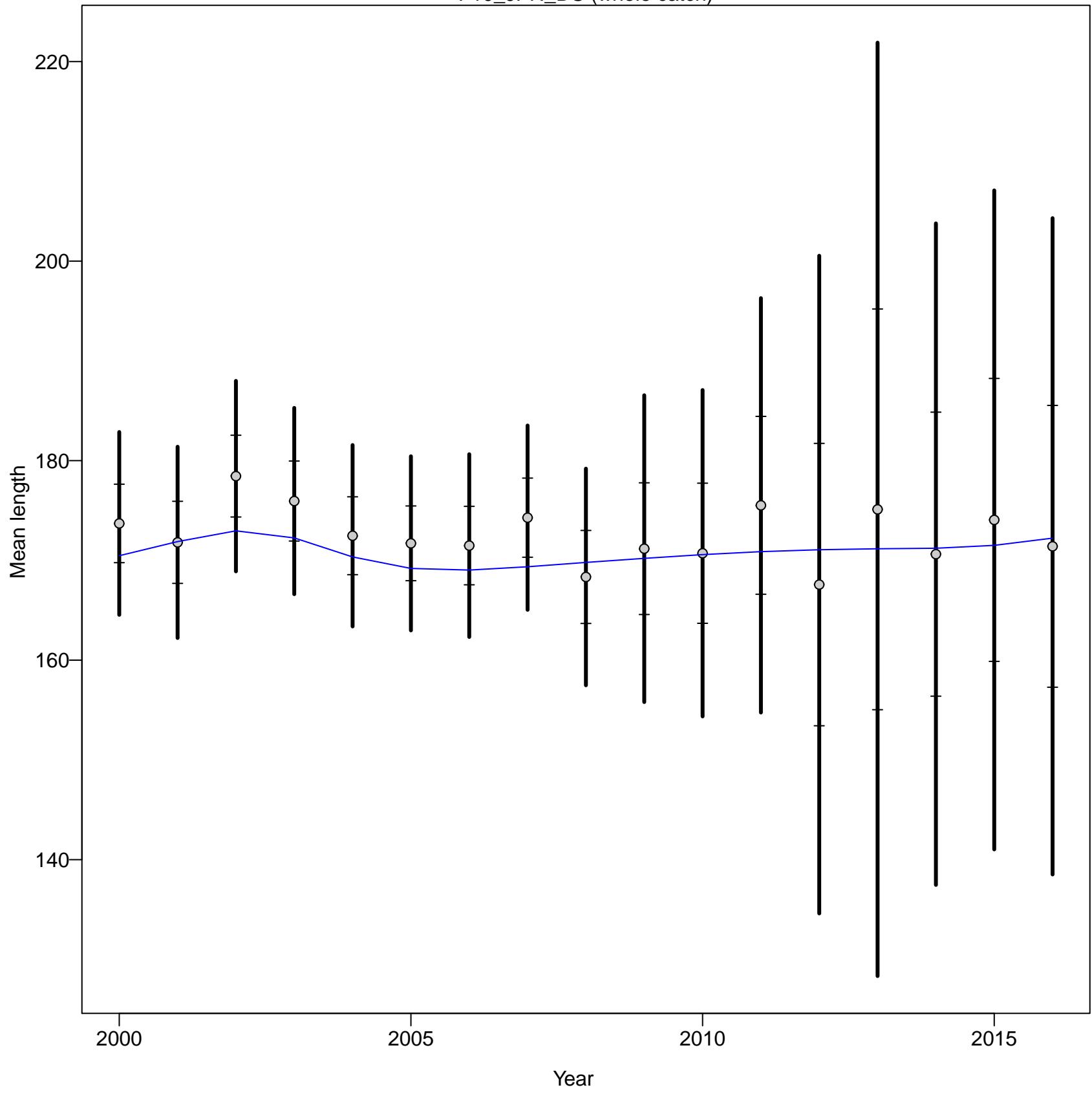


Length (cm)

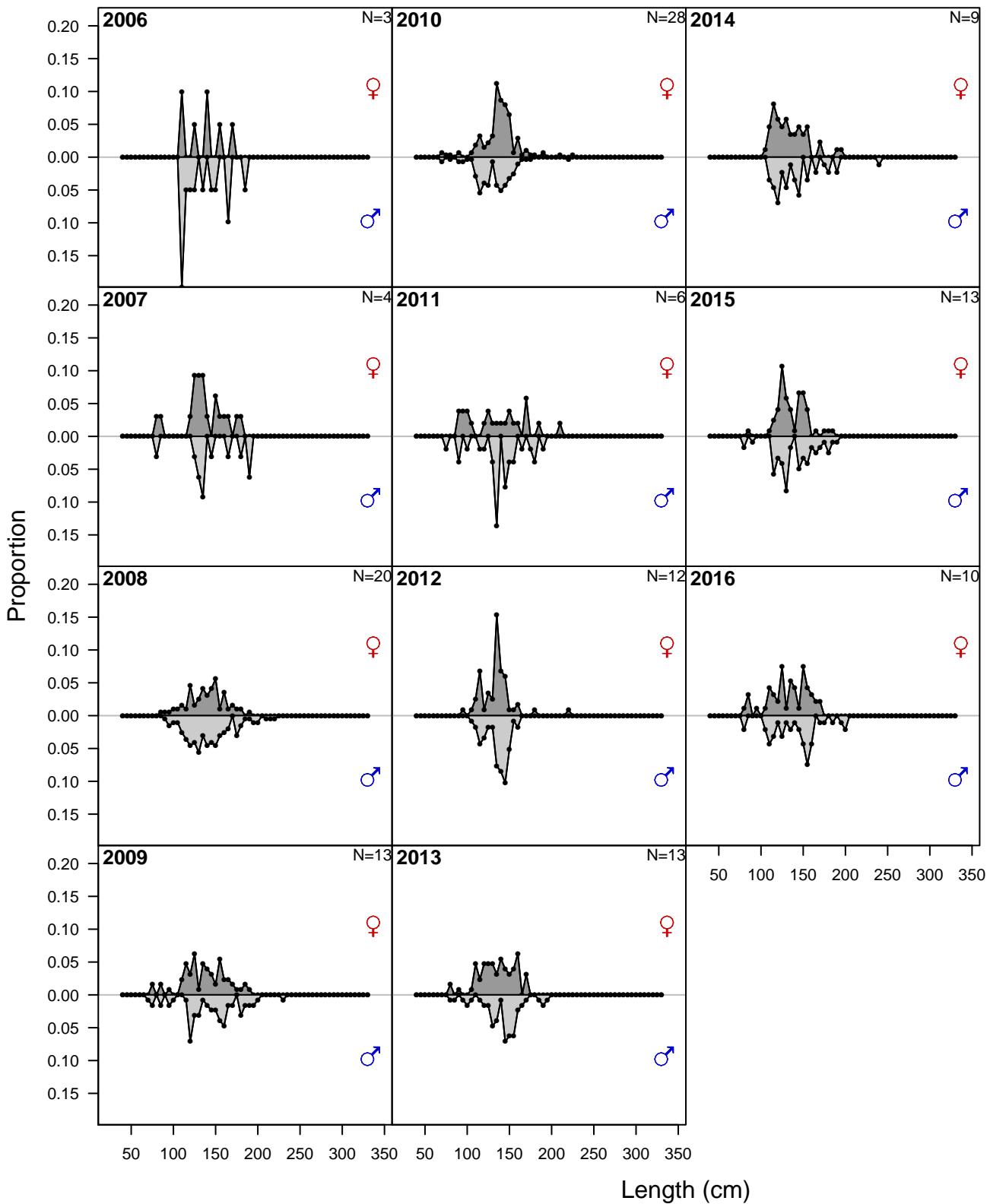
length comp data, whole catch, F10_JPN_DS (max=0.26)



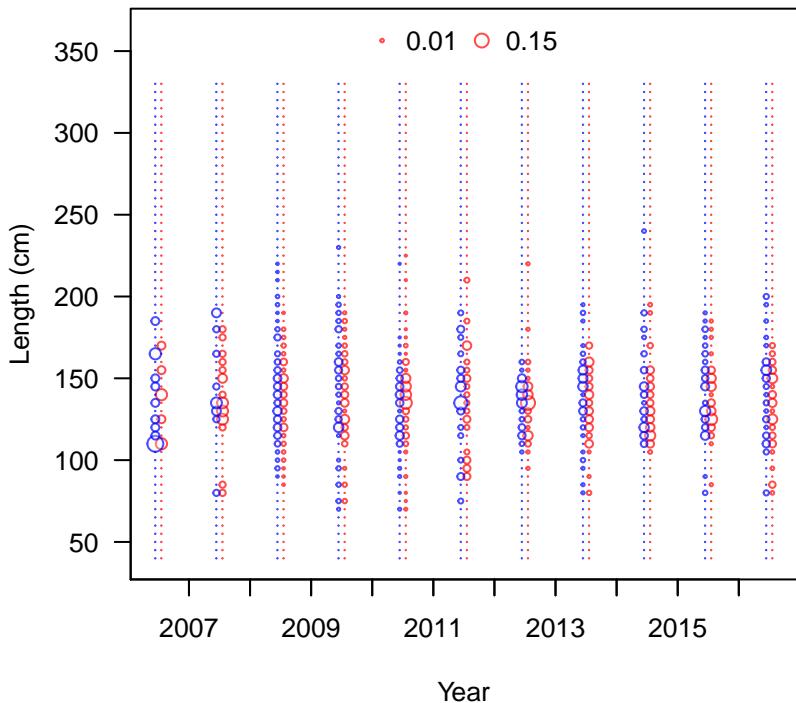
F10_JPN_DS (whole catch)



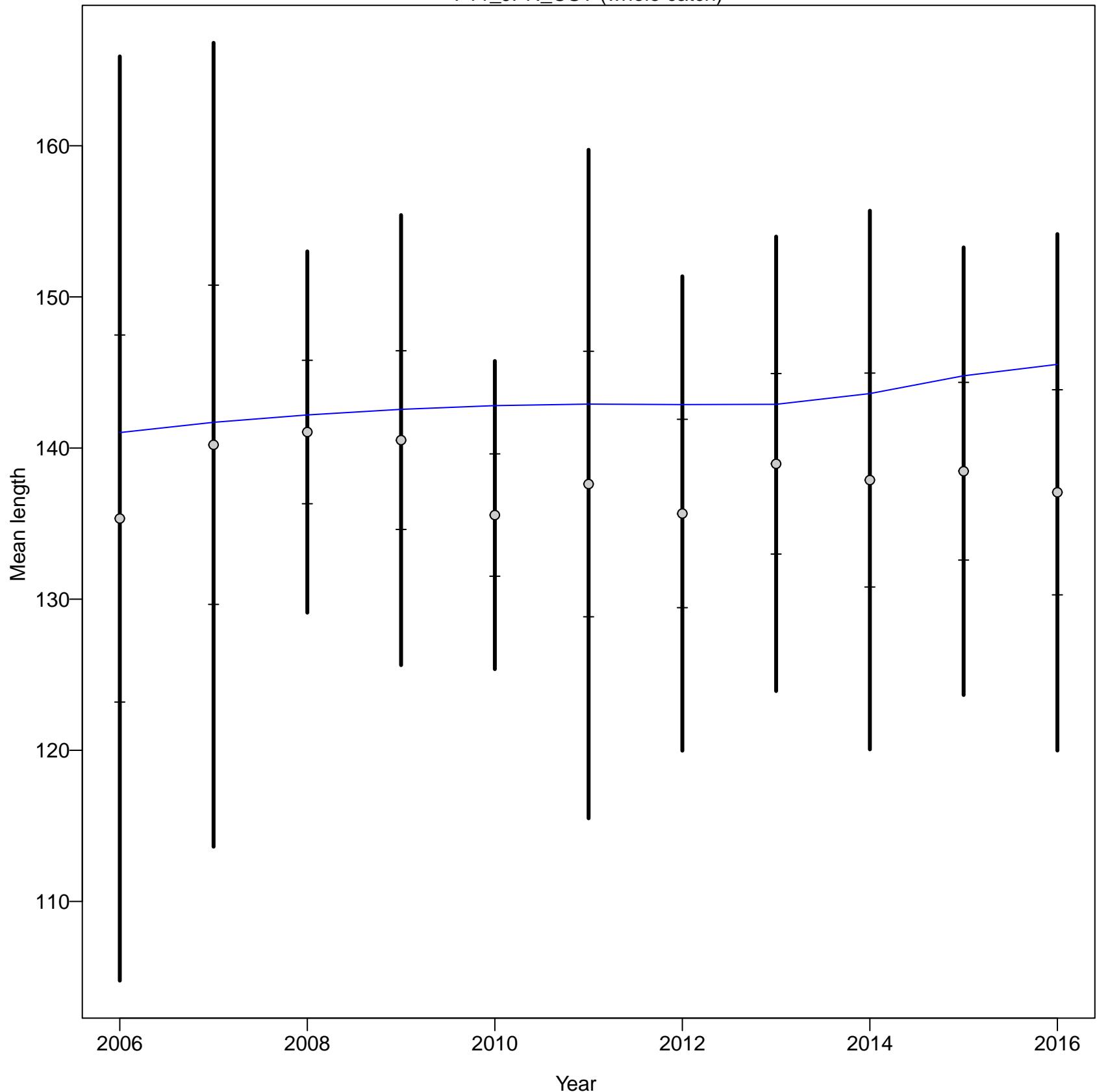
length comp data, whole catch, F11_JPN_CST



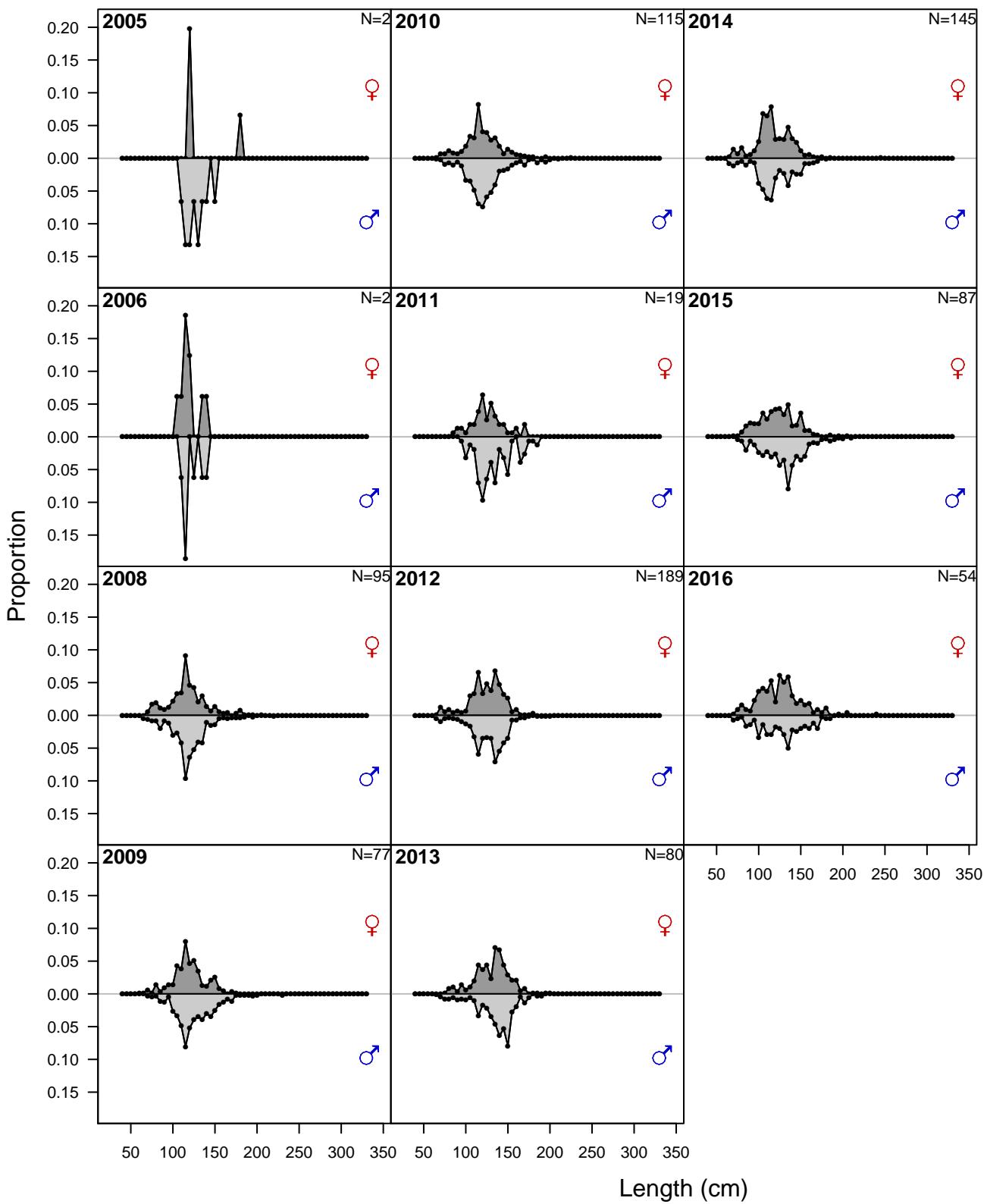
length comp data, whole catch, F11_JPN_CST (max=0.2)



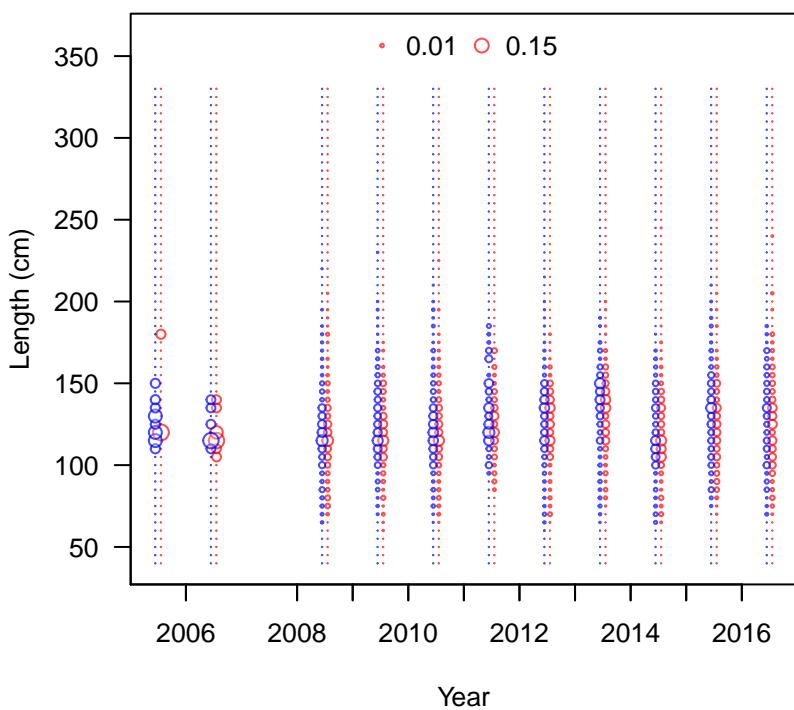
F11_JPN_CST (whole catch)



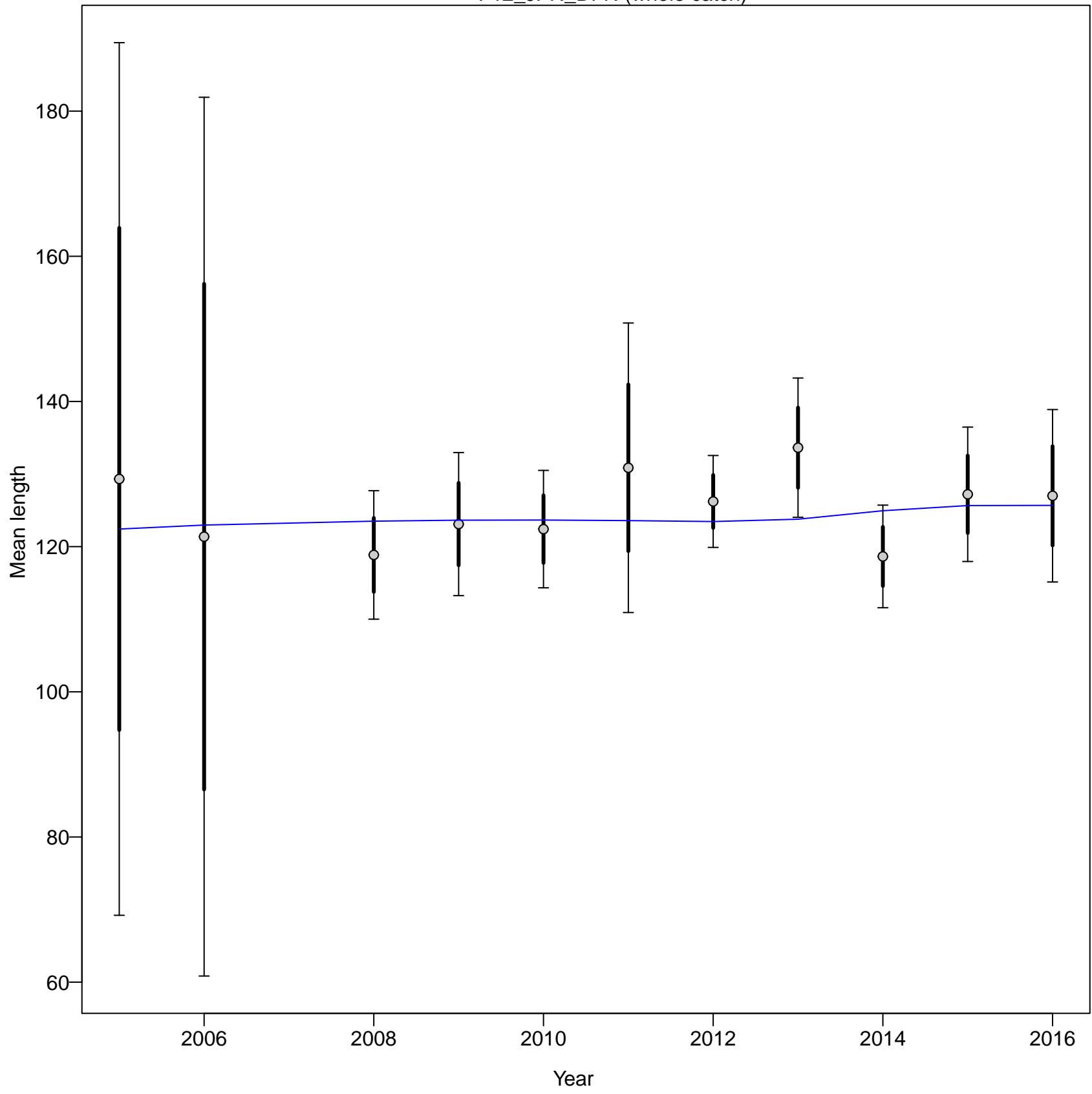
length comp data, whole catch, F12_JPN_DFN



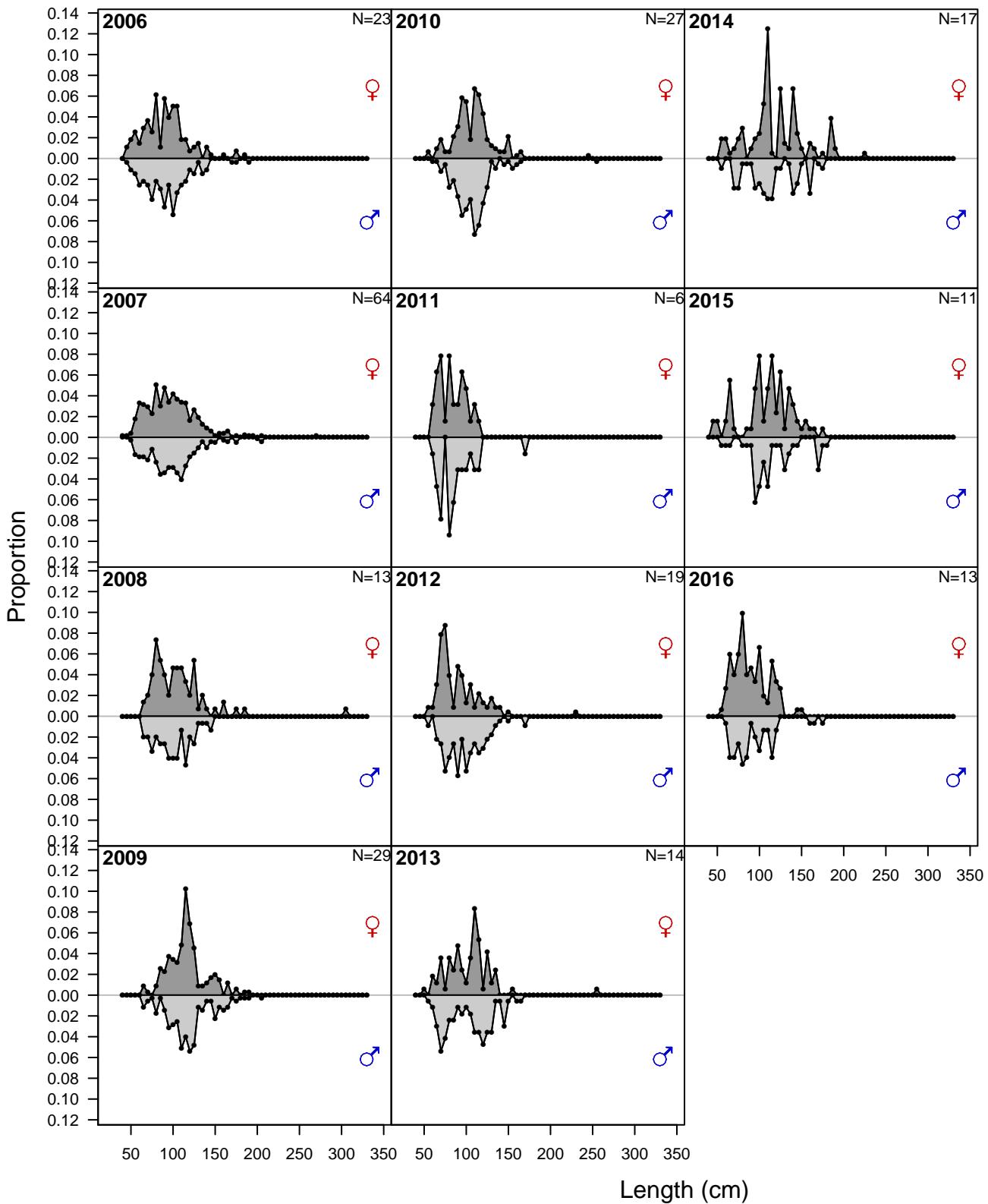
length comp data, whole catch, F12_JPN_DFN (max=0.2)



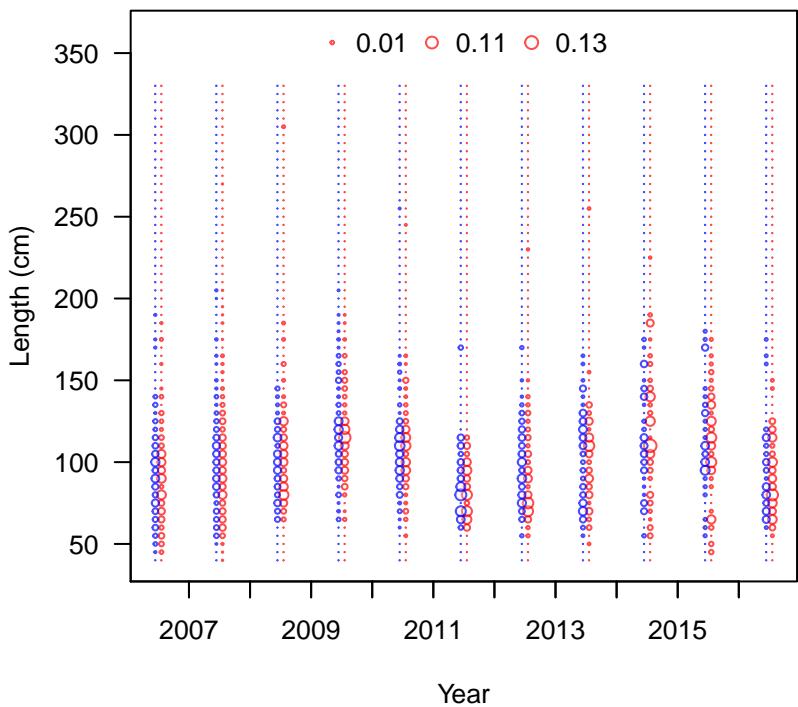
F12_JPN_DFN (whole catch)



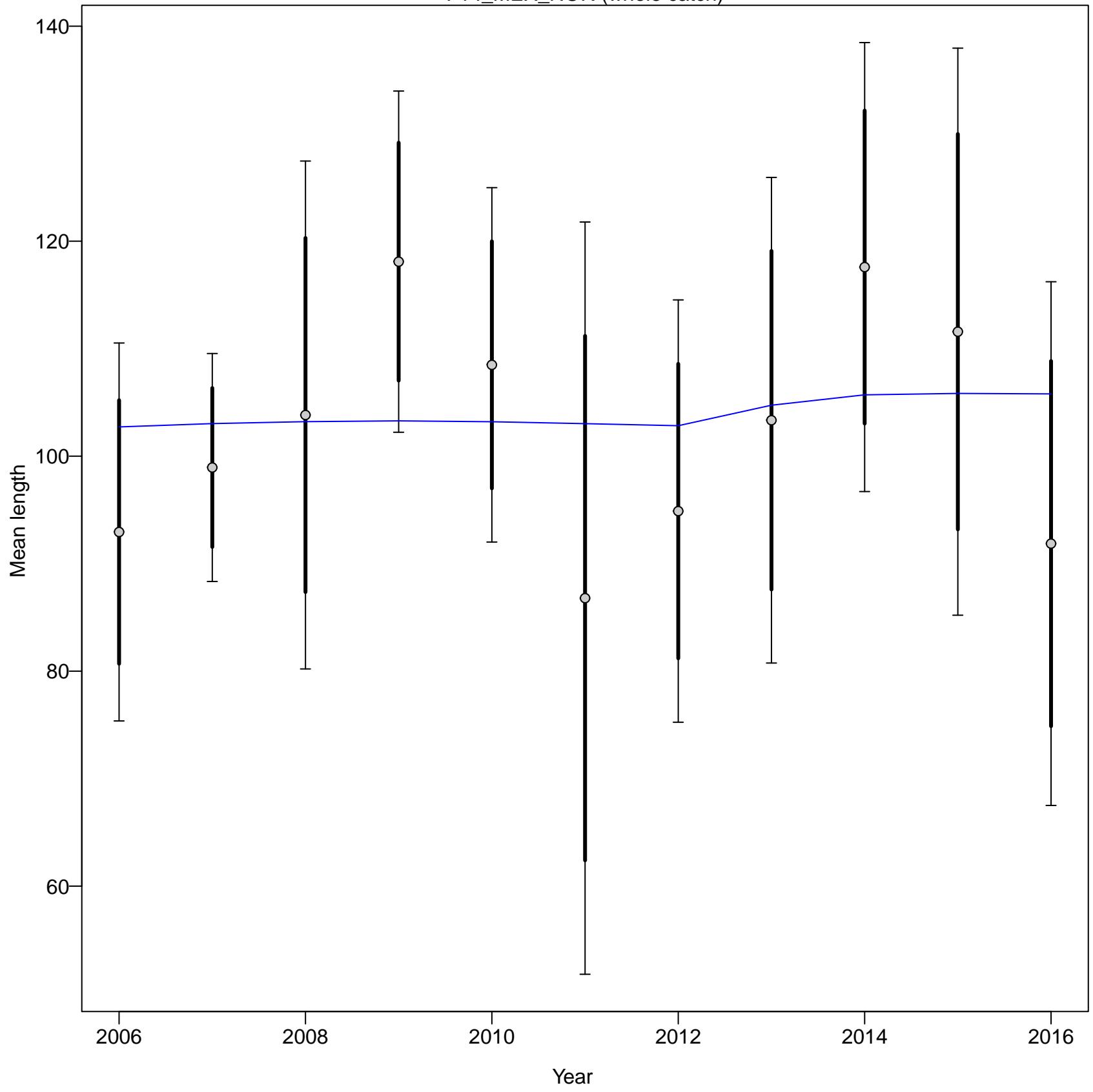
length comp data, whole catch, F14_MEX_NOR



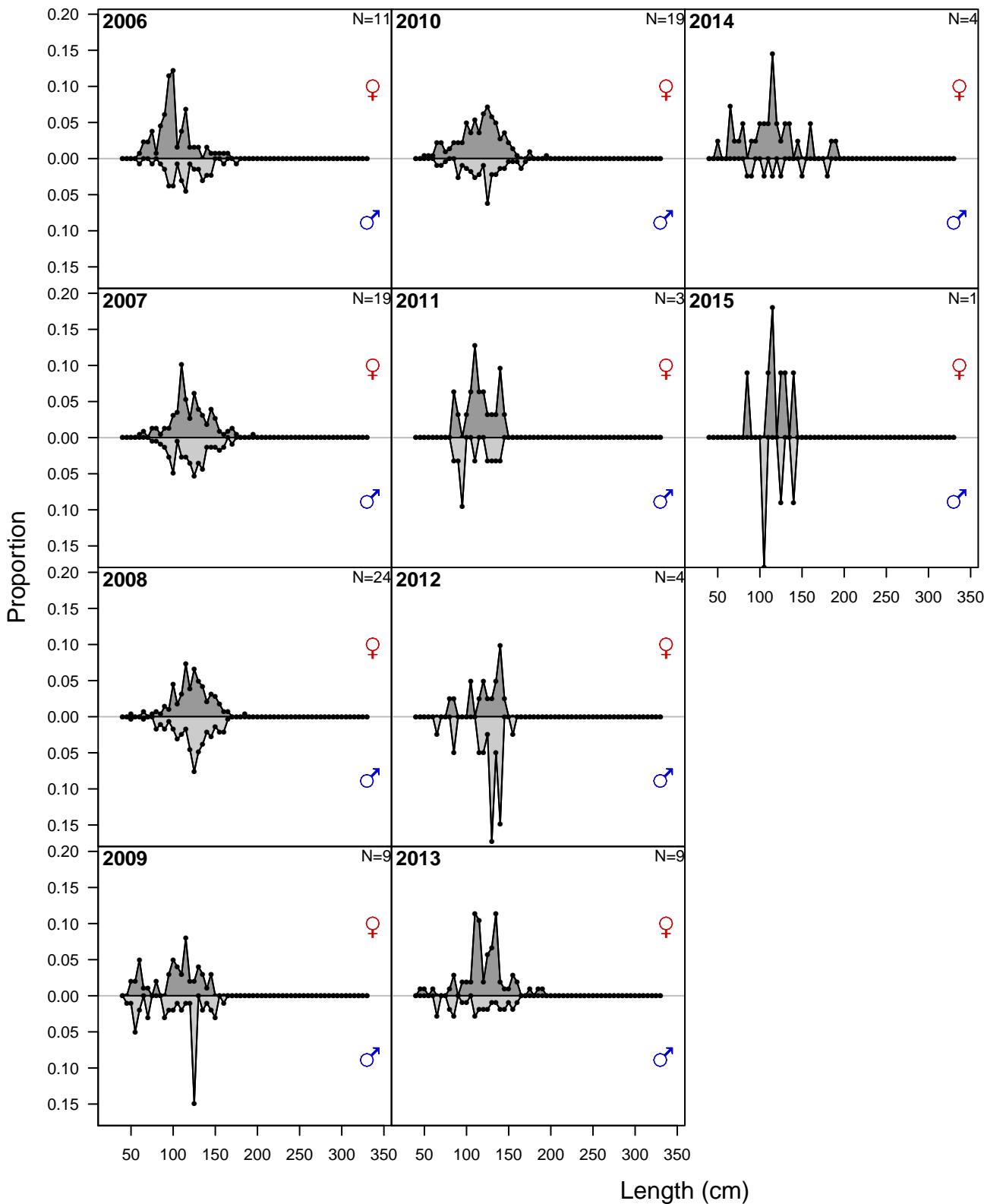
length comp data, whole catch, F14_MEX_NOR (max=0.12)



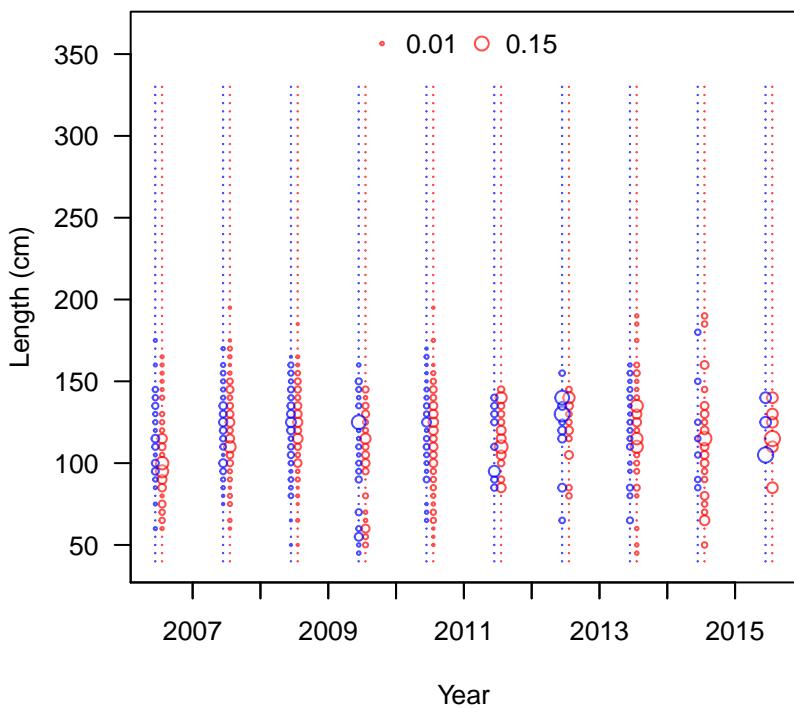
F14_MEX_NOR (whole catch)



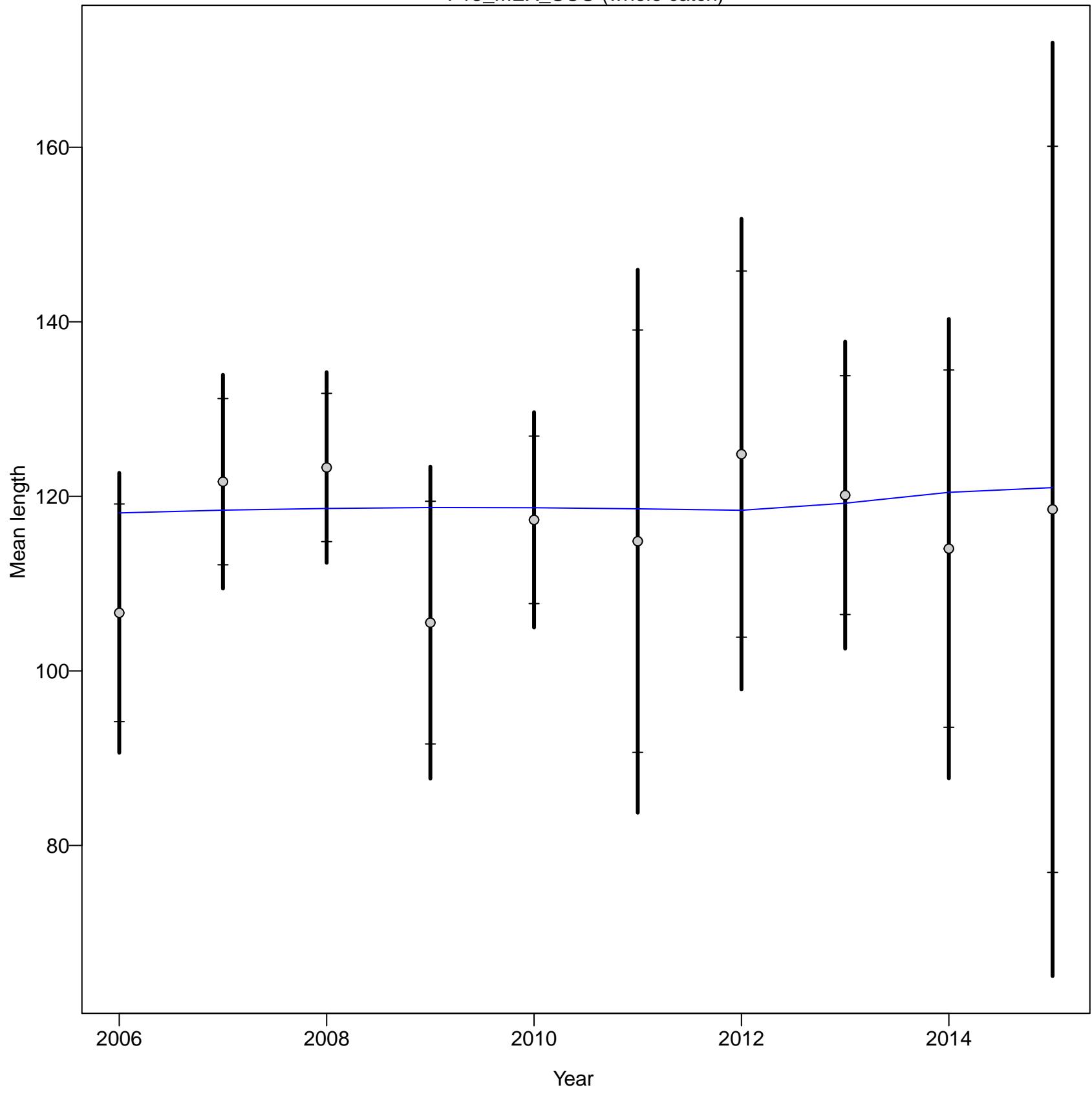
length comp data, whole catch, F15_MEX_SOU



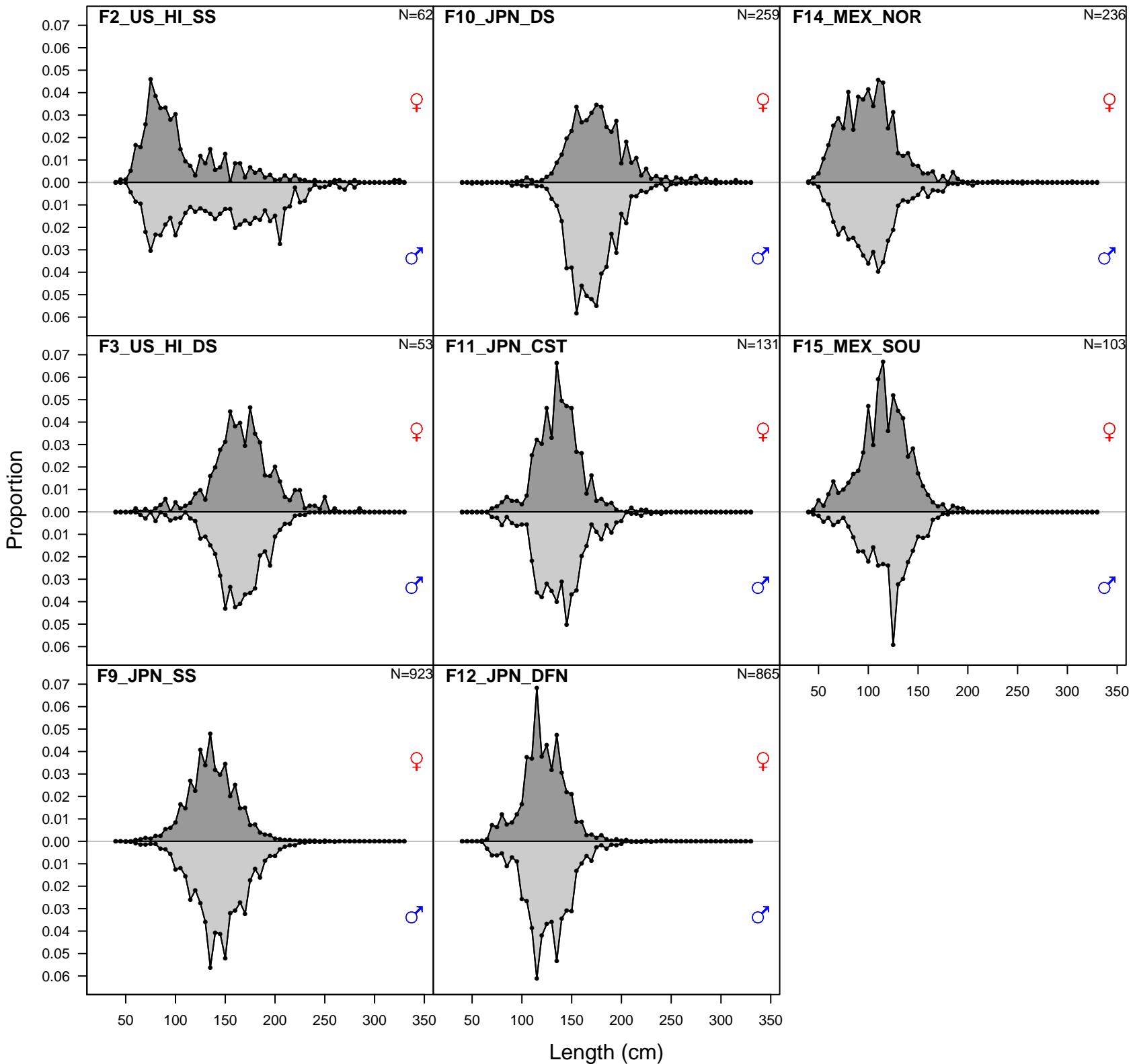
length comp data, whole catch, F15_MEX_SOU (max=0.18)



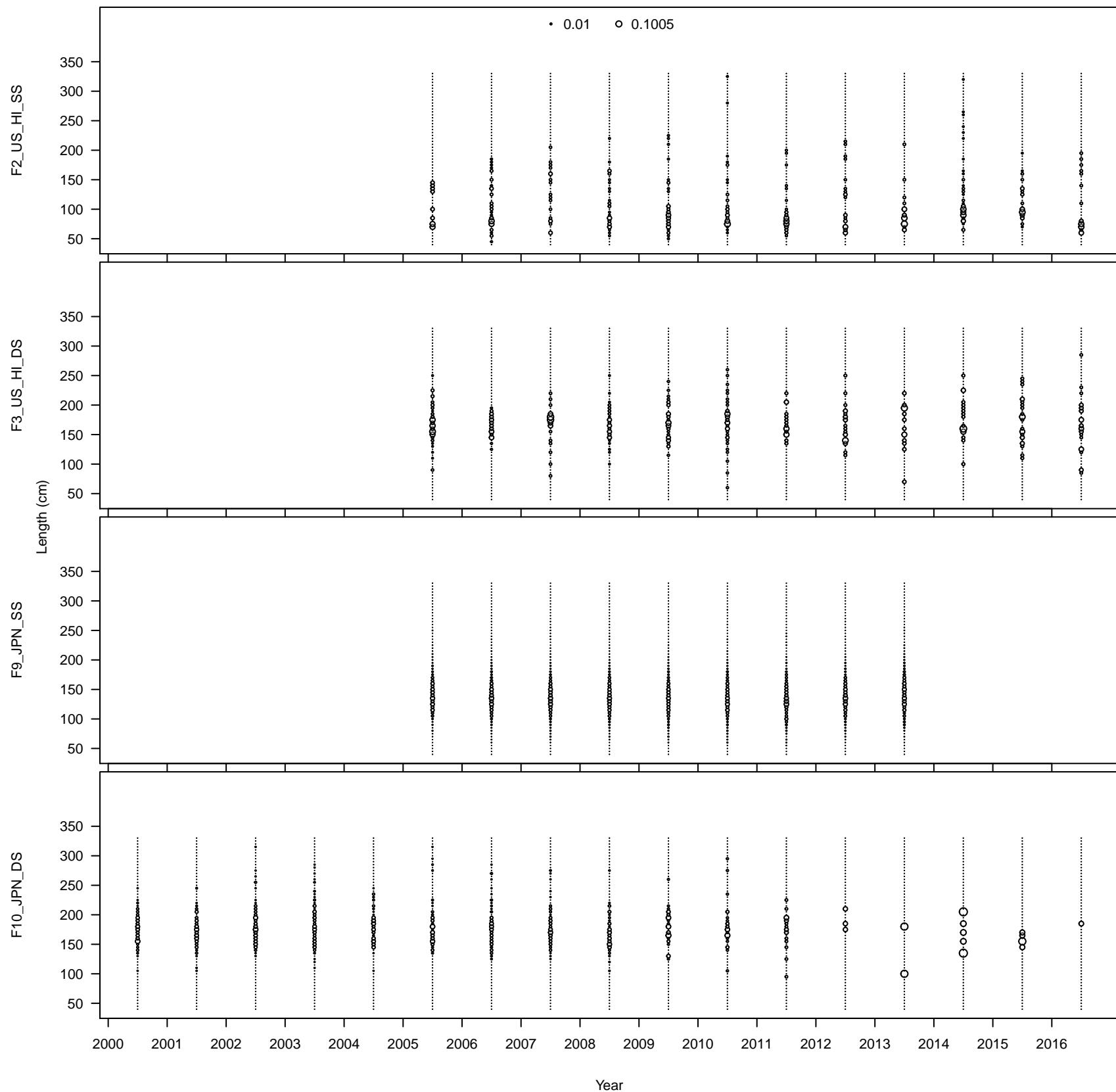
F15_MEX_SOU (whole catch)



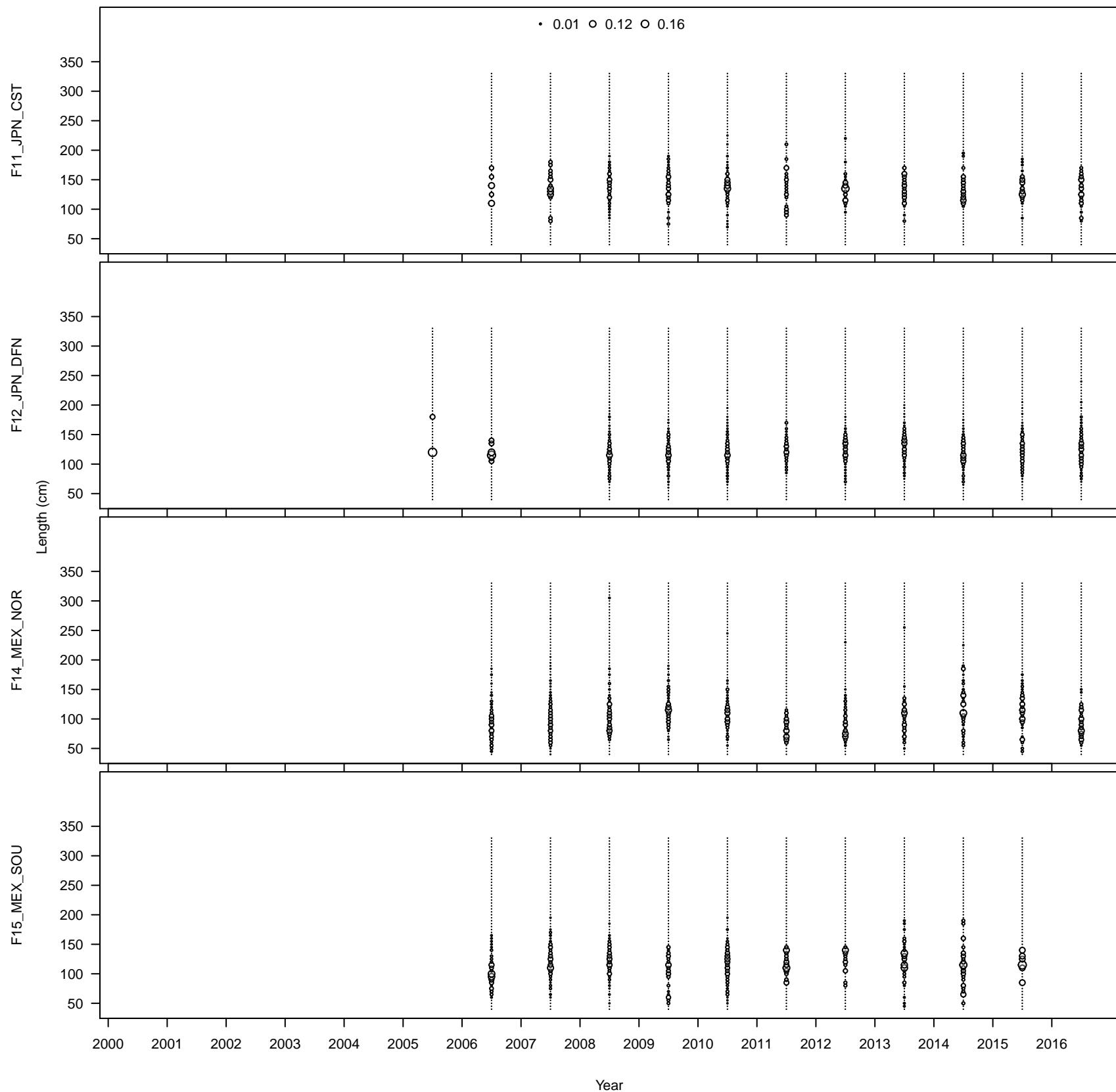
length comp data, whole catch, aggregated across time by fleet



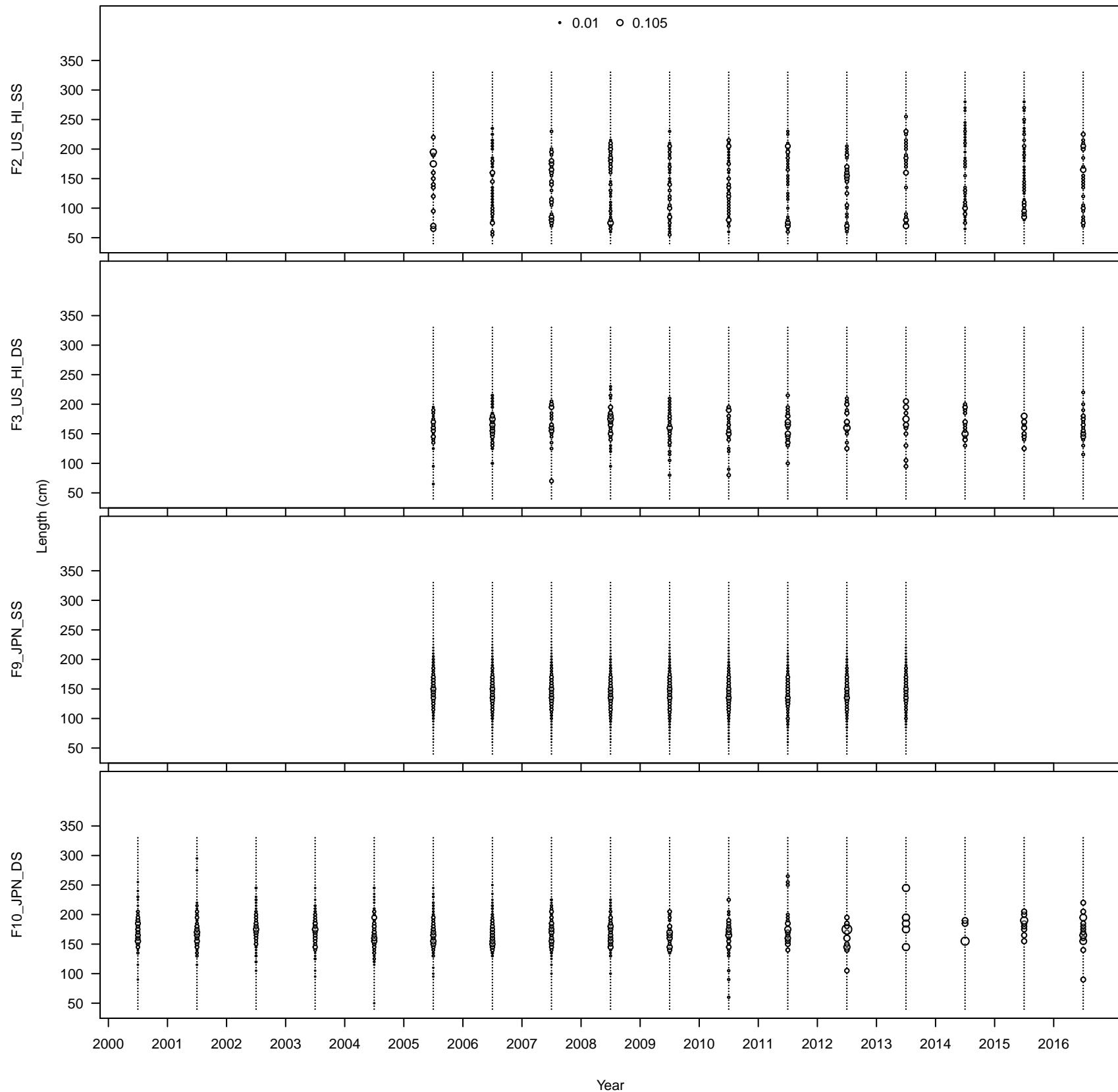
length comp data, female, whole catch, comparing across fleets



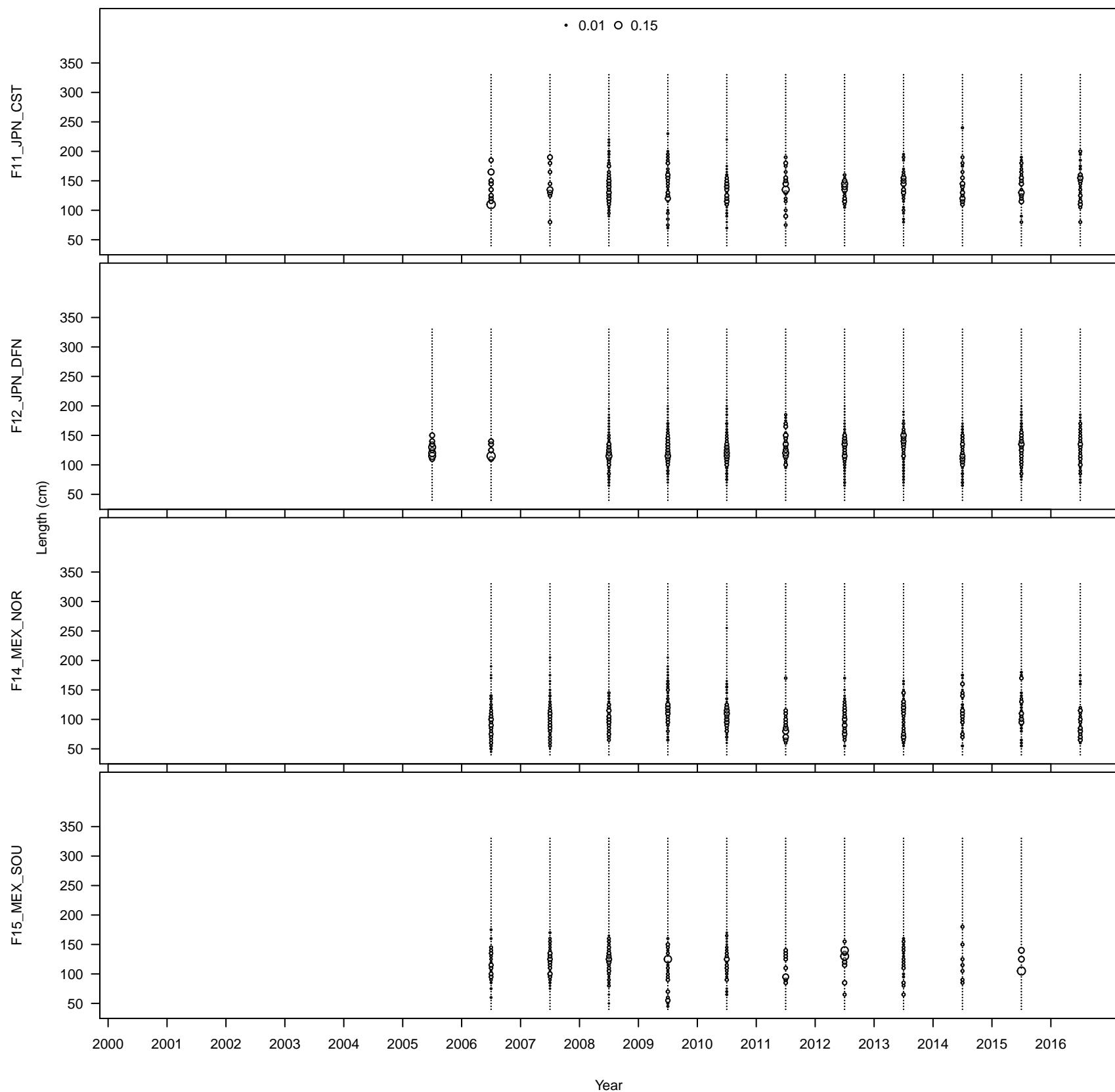
length comp data, female, whole catch, comparing across fleets



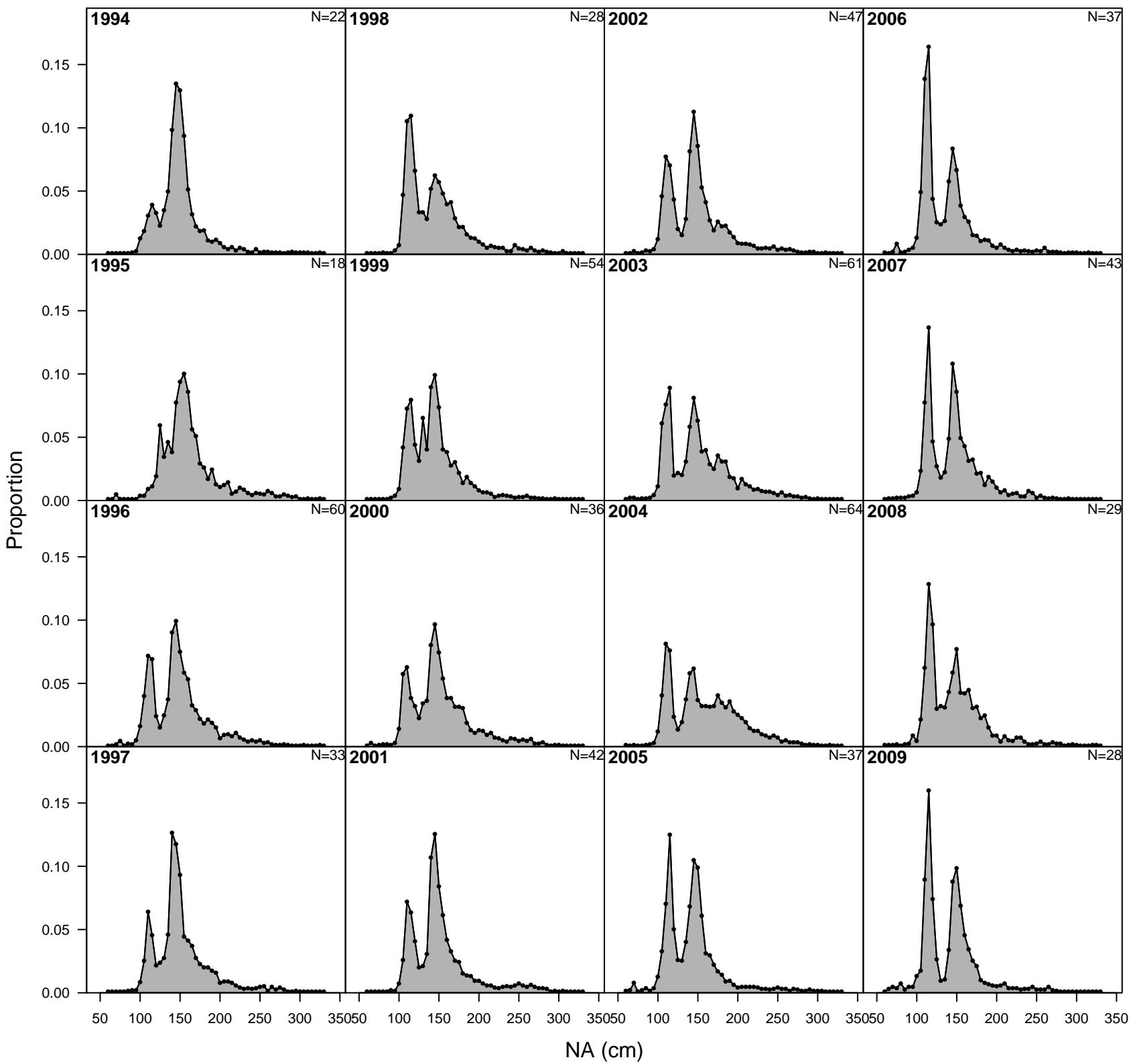
length comp data, male, whole catch, comparing across fleets



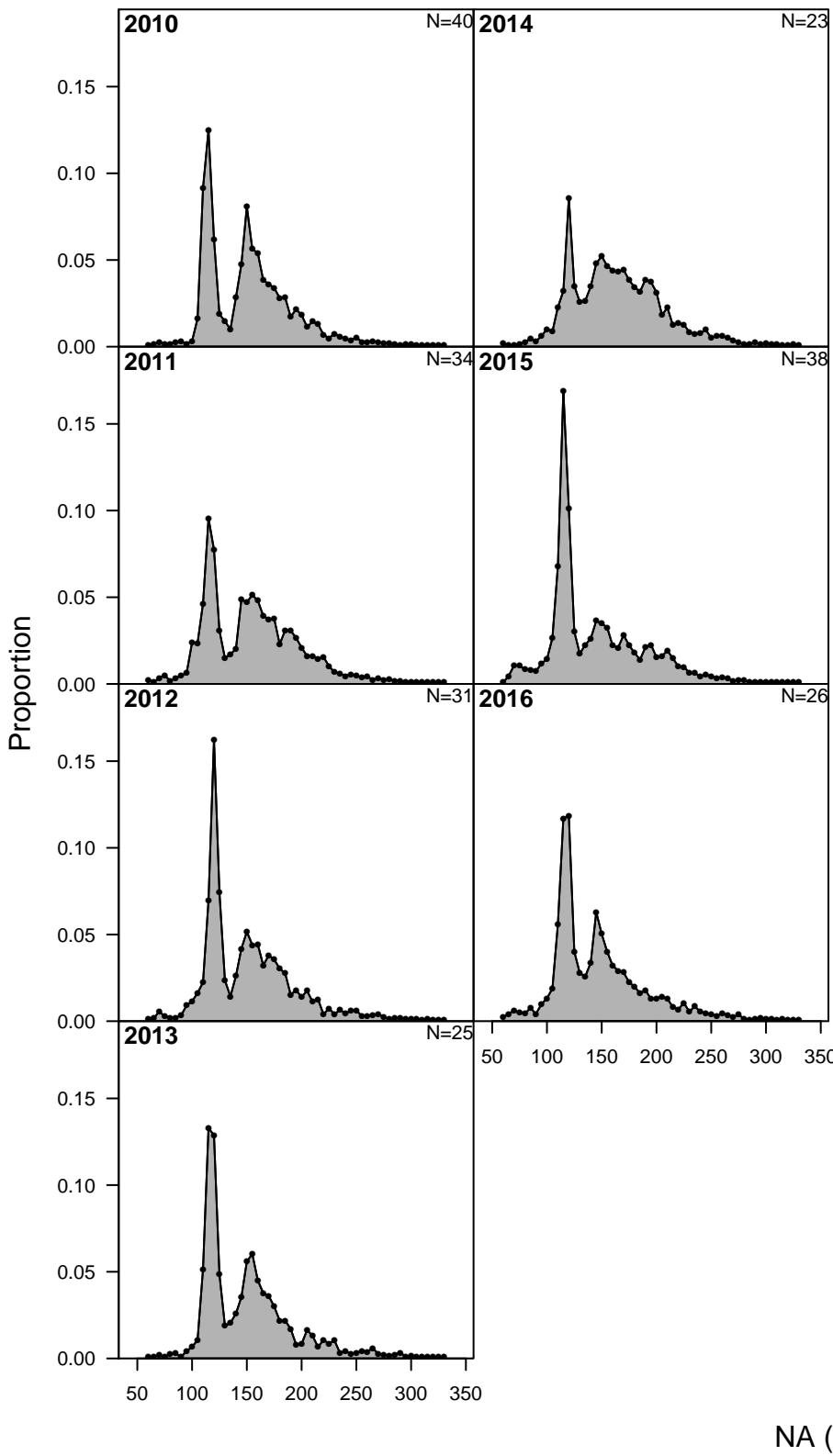
length comp data, male, whole catch, comparing across fleets



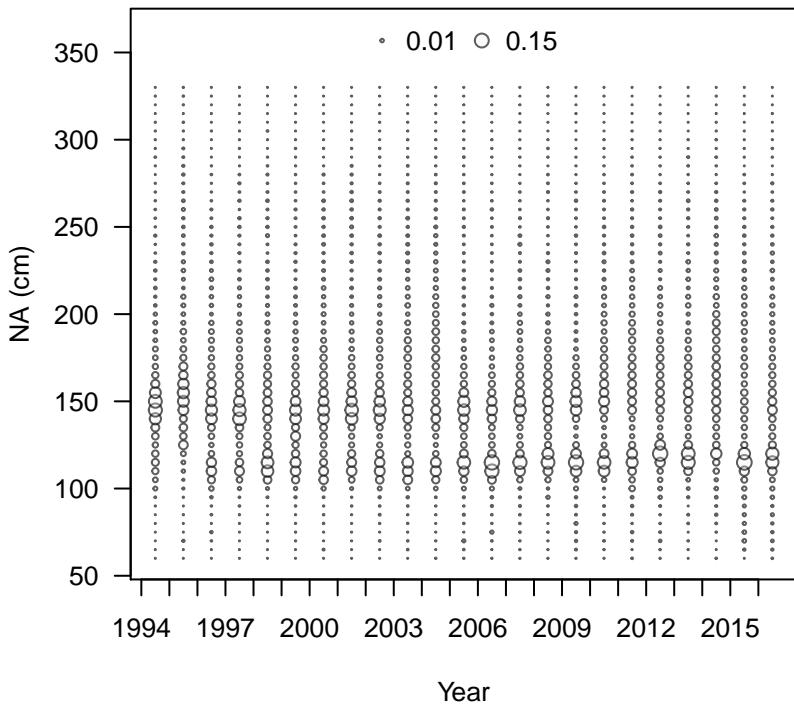
size comp data, whole catch, F6_TW_LRG_N



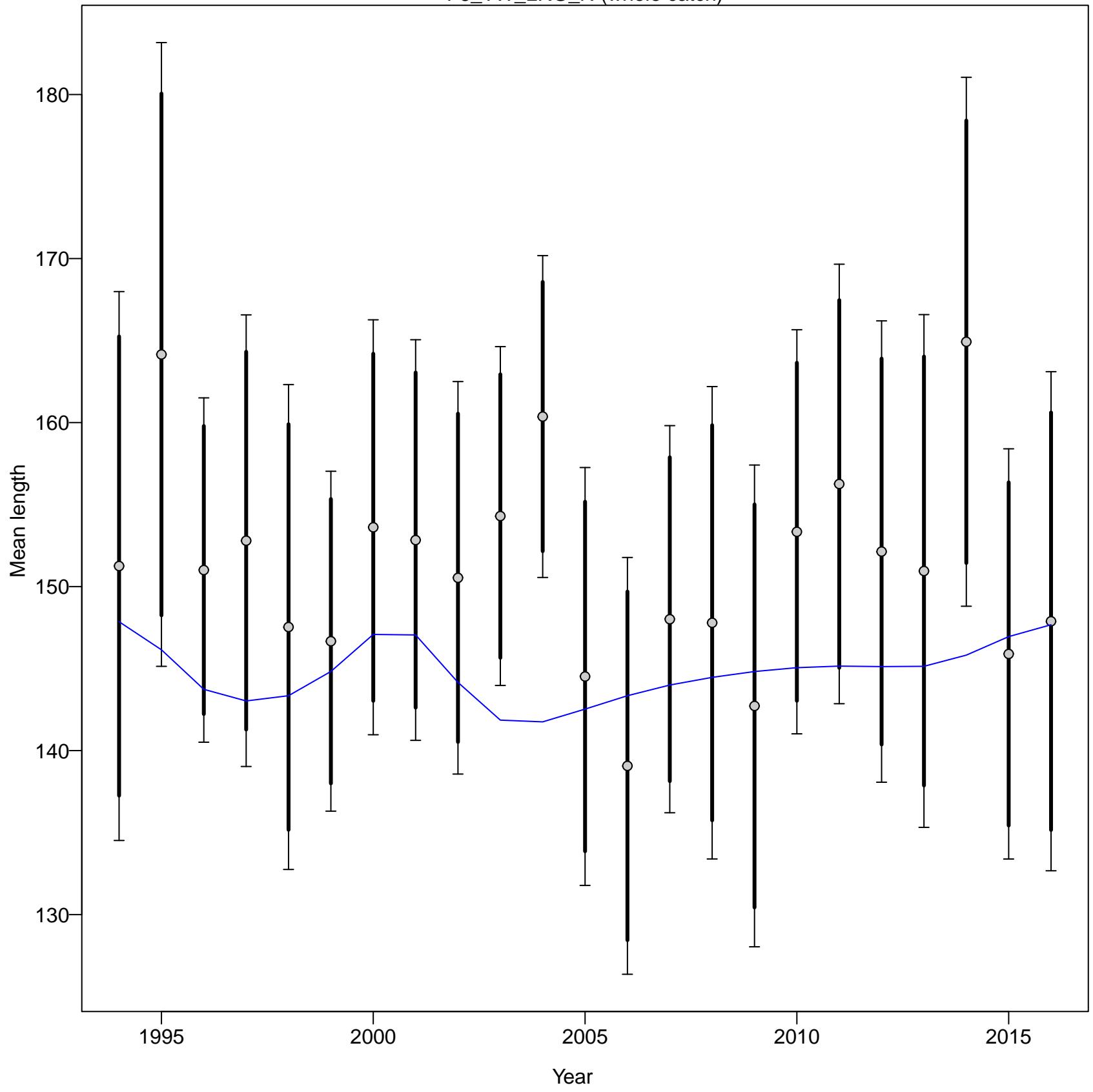
size comp data, whole catch, F6_TW_LRG_N



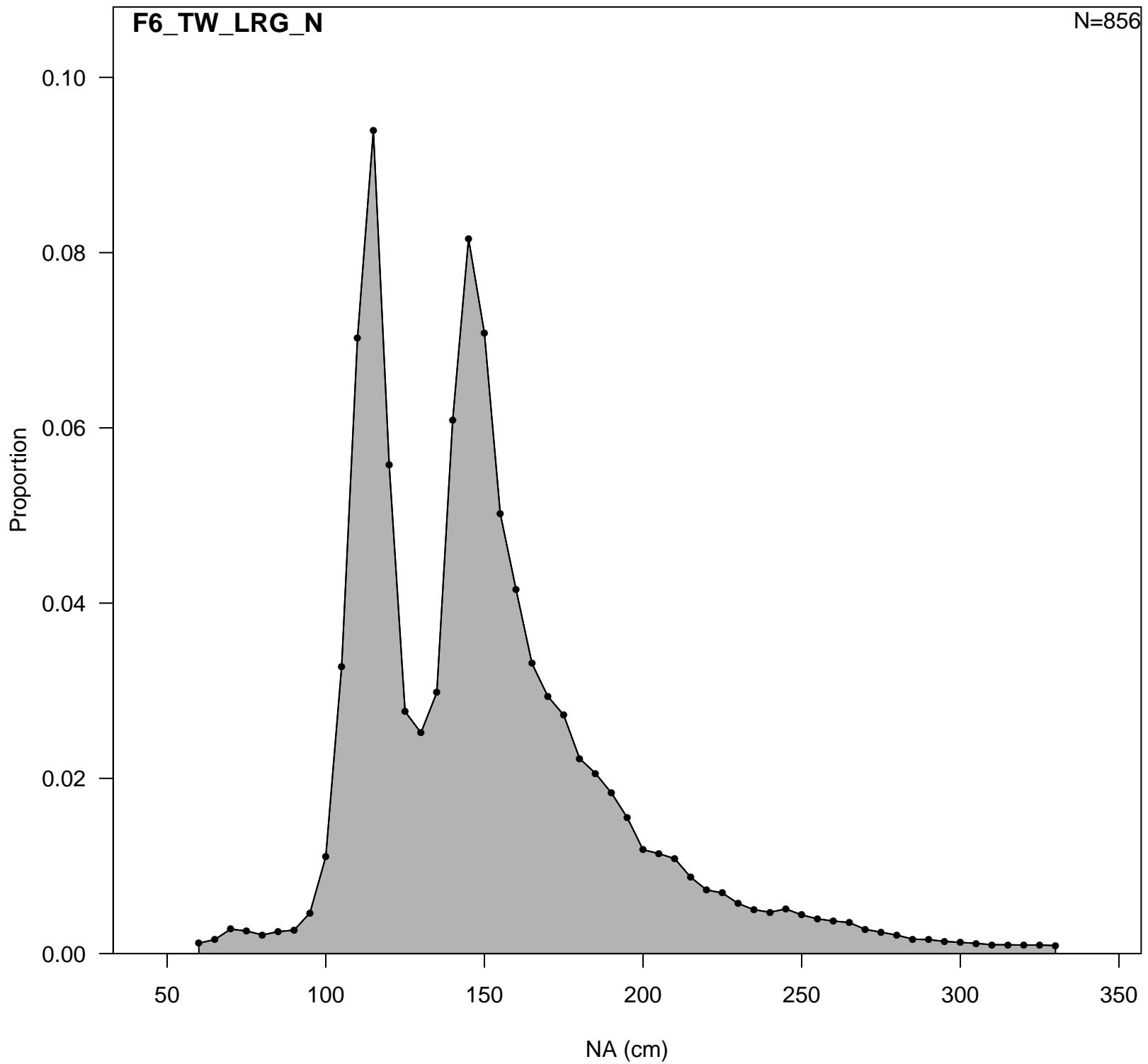
size comp data, whole catch, F6_TW_LRG_N (max=0.17)



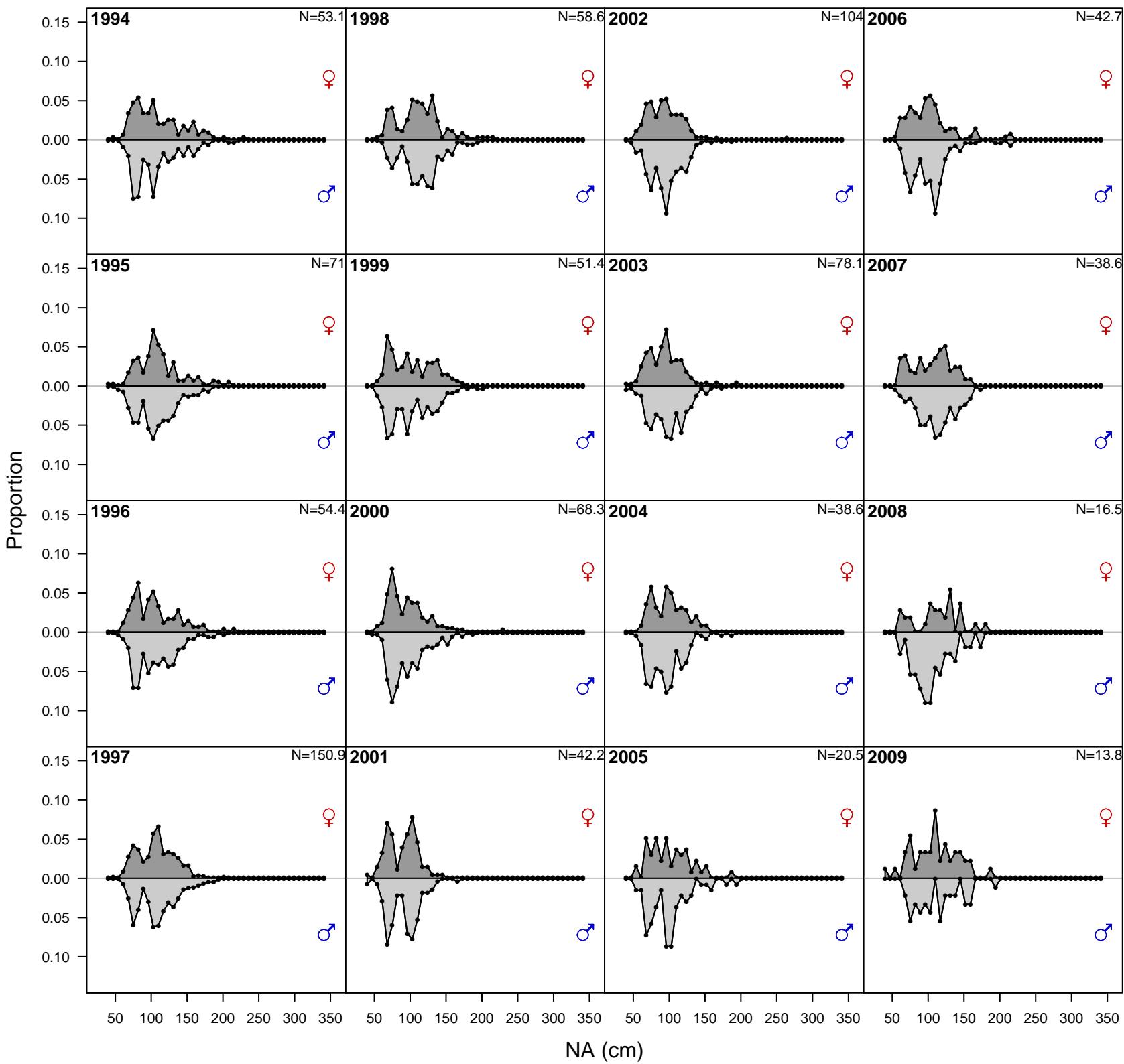
F6_TW_LRG_N (whole catch)



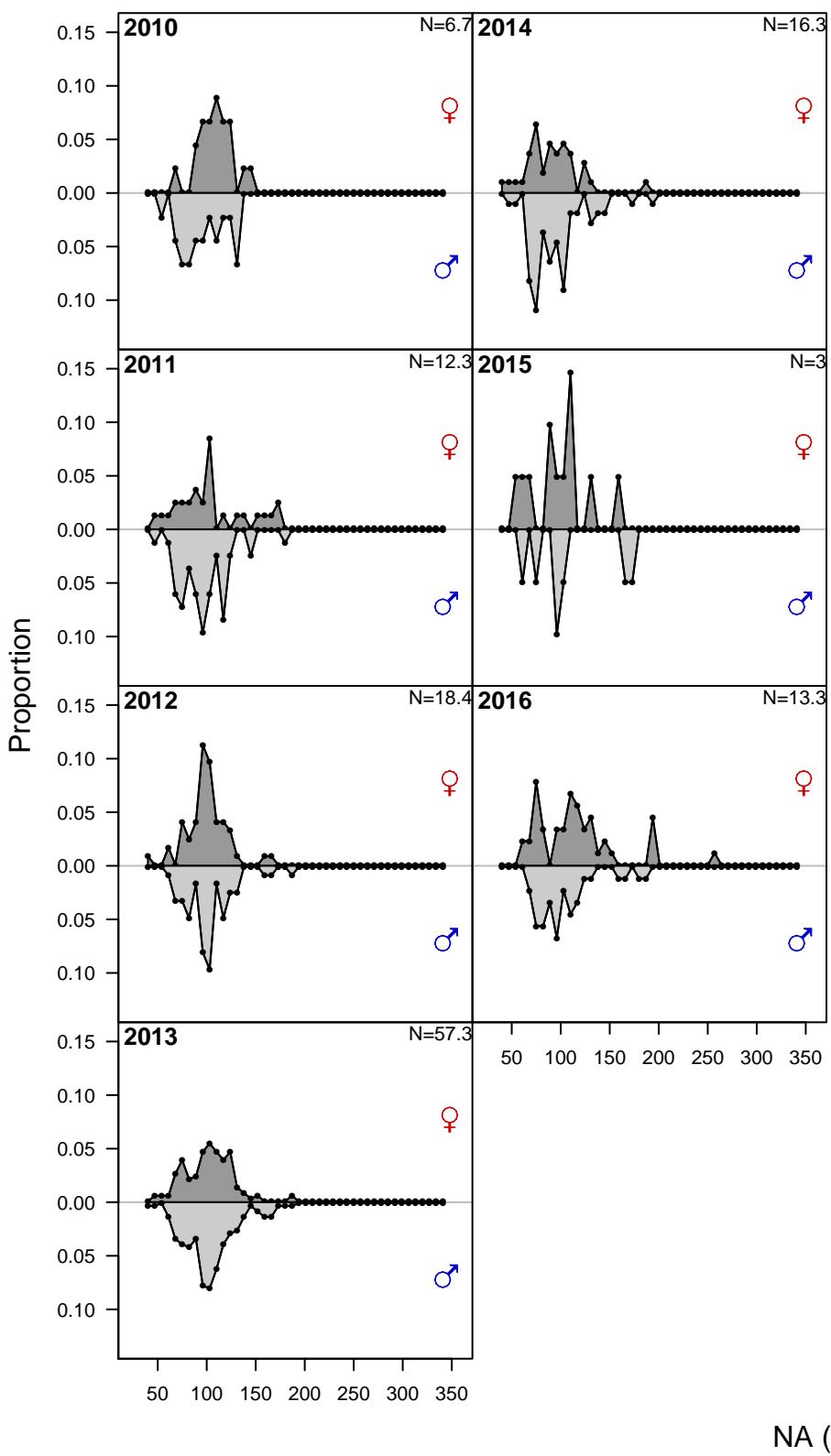
size comp data, whole catch, aggregated across time by fleet



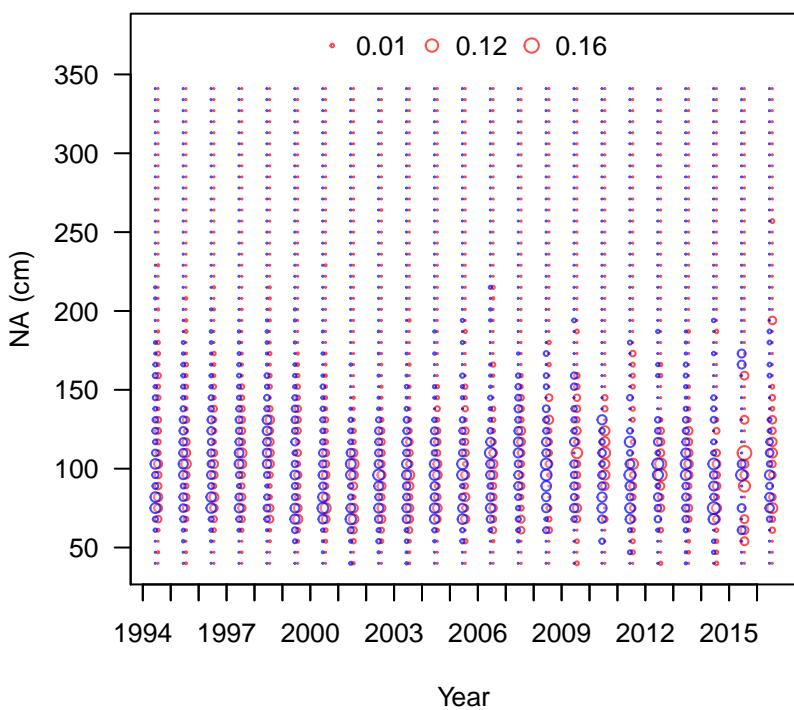
size comp data, whole catch, F4_US_DGN



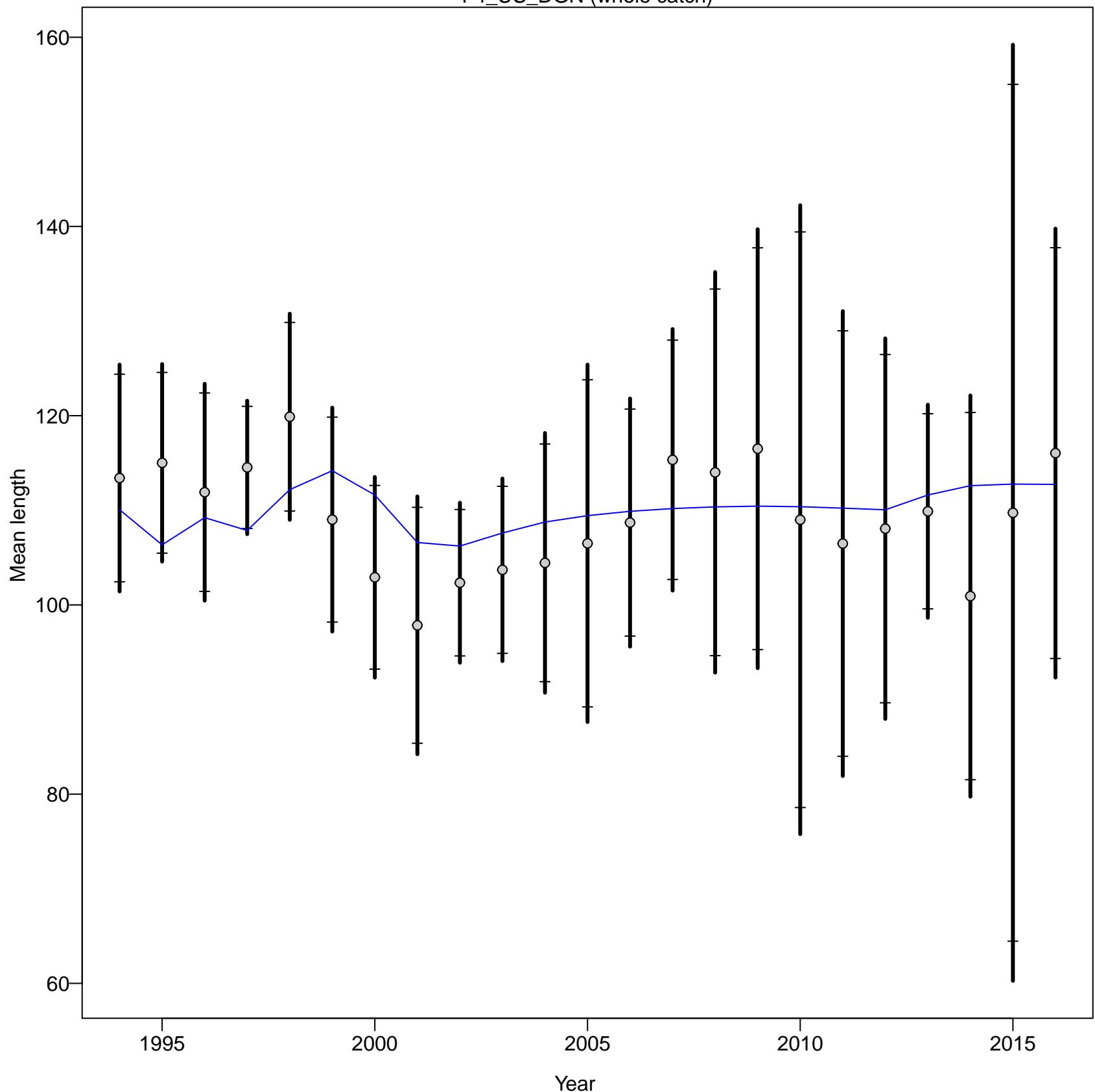
size comp data, whole catch, F4_US_DGN



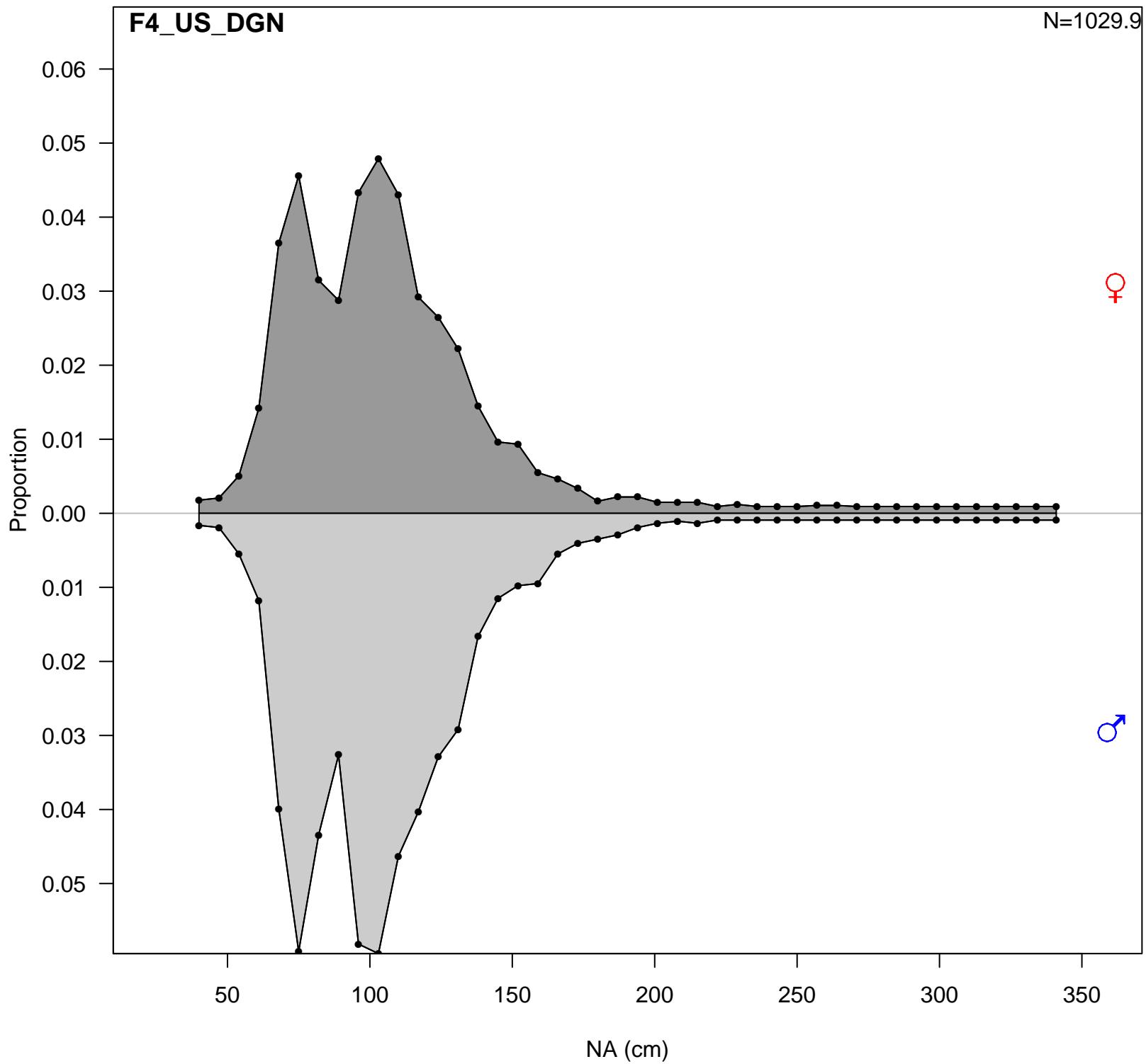
size comp data, whole catch, F4_US_DGN (max=0.15)



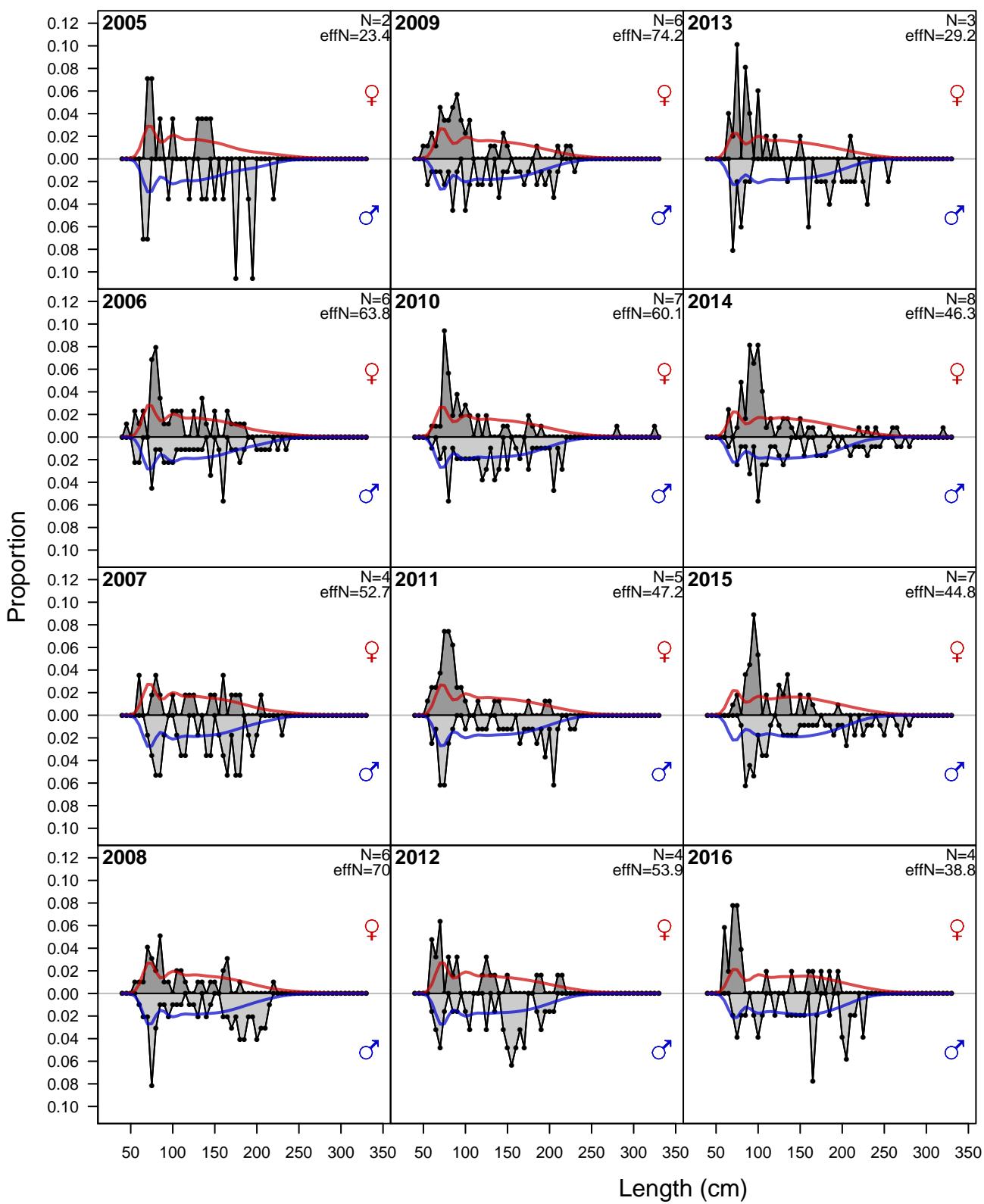
F4_US_DGN (whole catch)



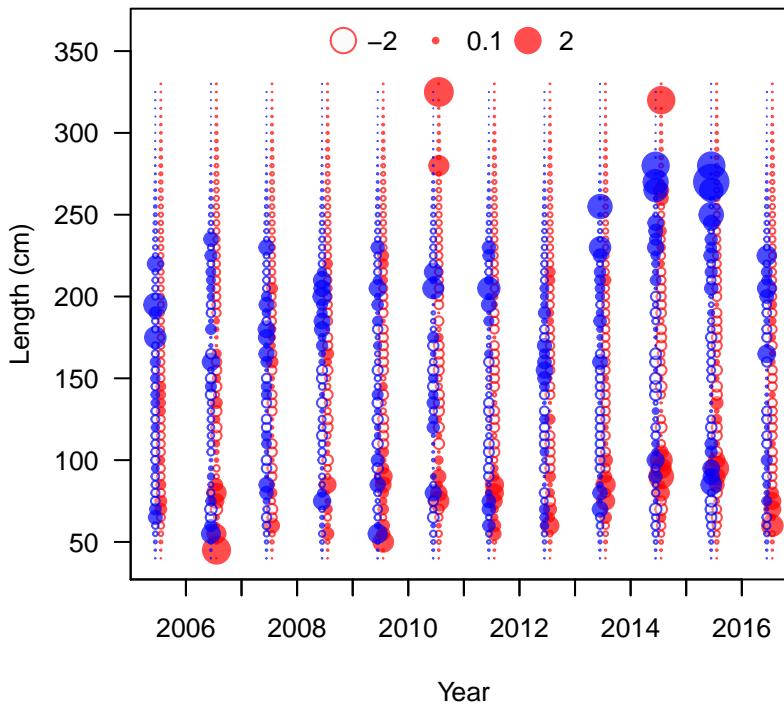
size comp data, whole catch, aggregated across time by fleet



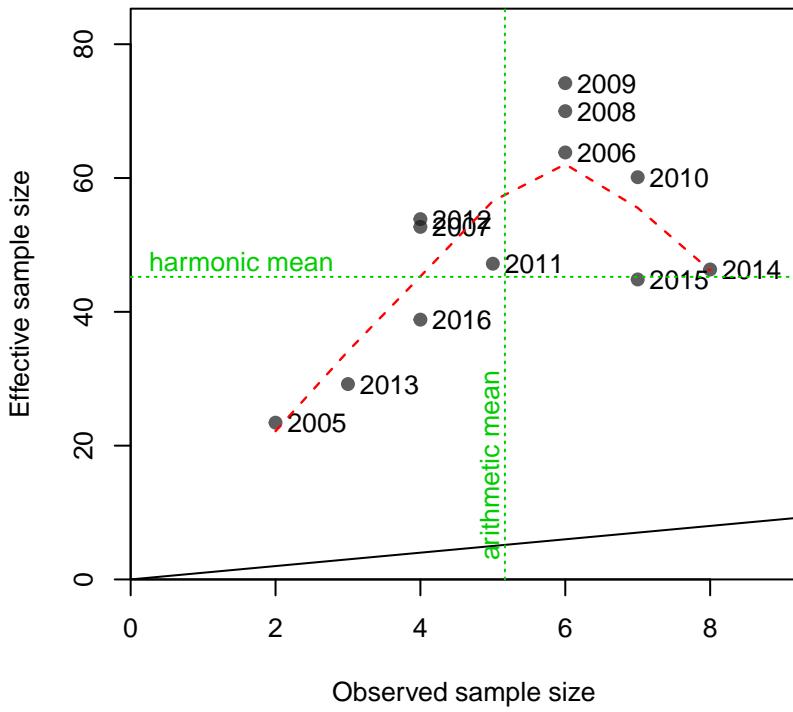
length comps, whole catch, F2_US_HI_SS



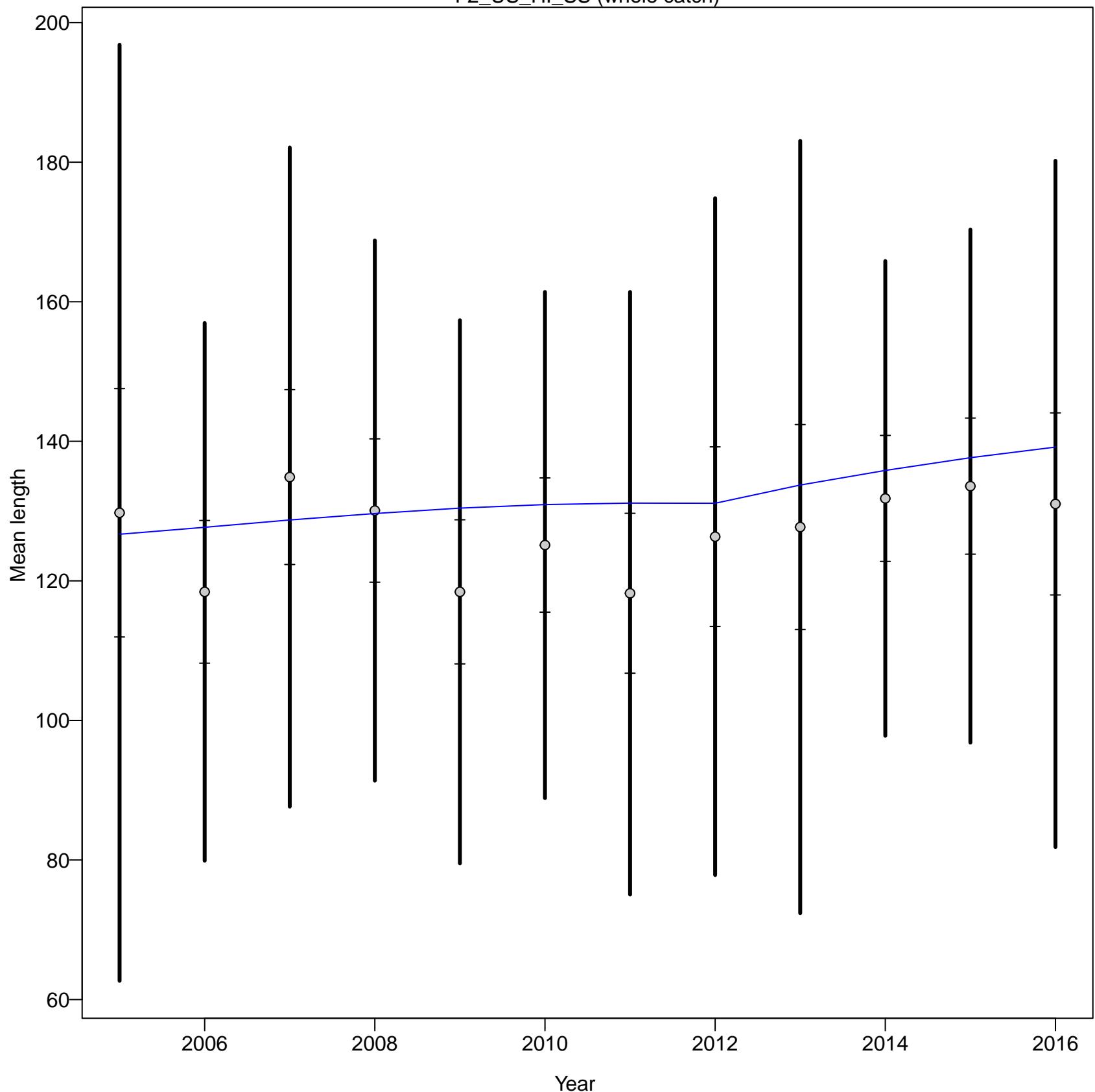
Pearson residuals, whole catch, F2_US_HI_SS (max=3.68)



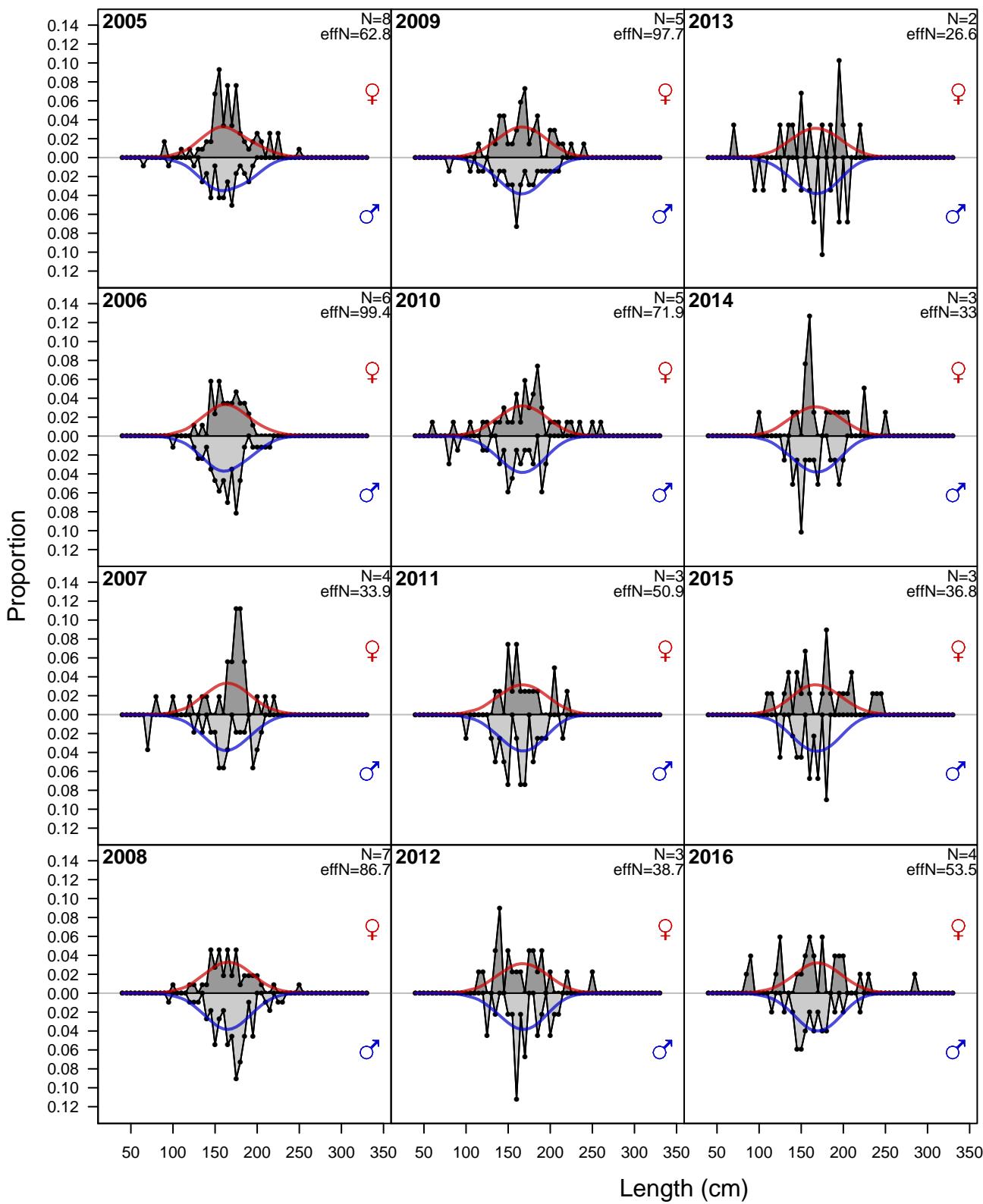
N-EffN comparison, length comps, whole catch, F2_US_HI_SS



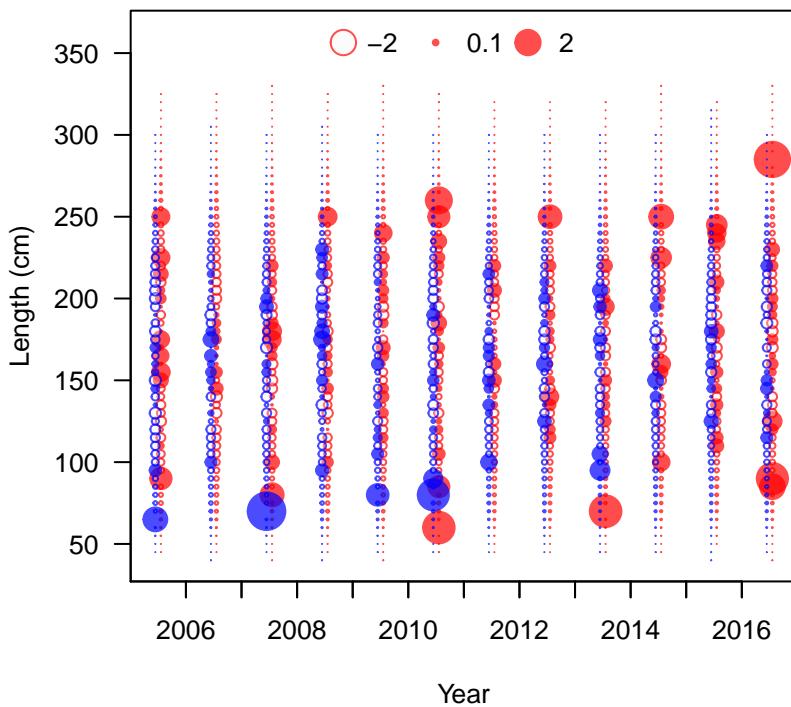
F2_US_HI_SS (whole catch)



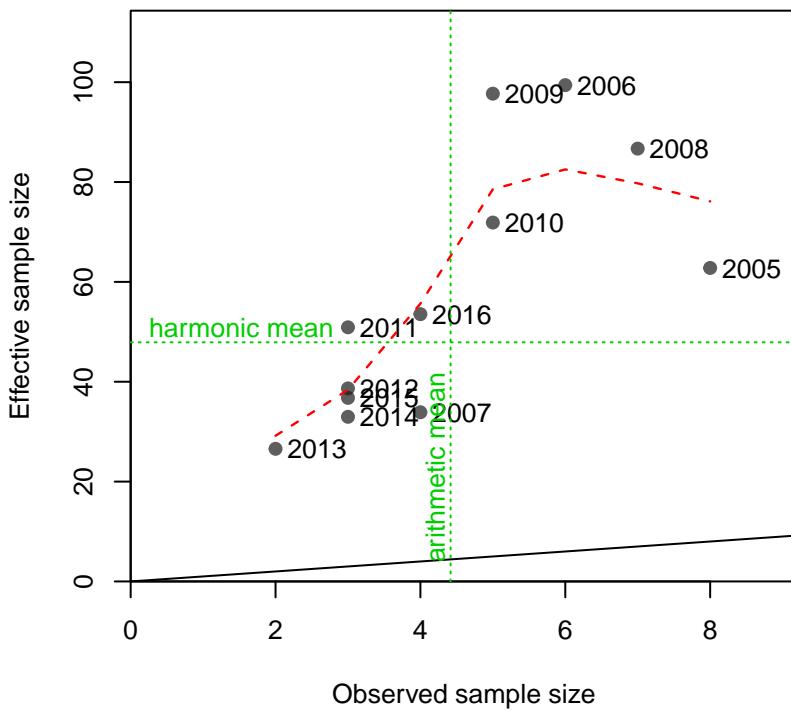
length comps, whole catch, F3_US_HI_DS



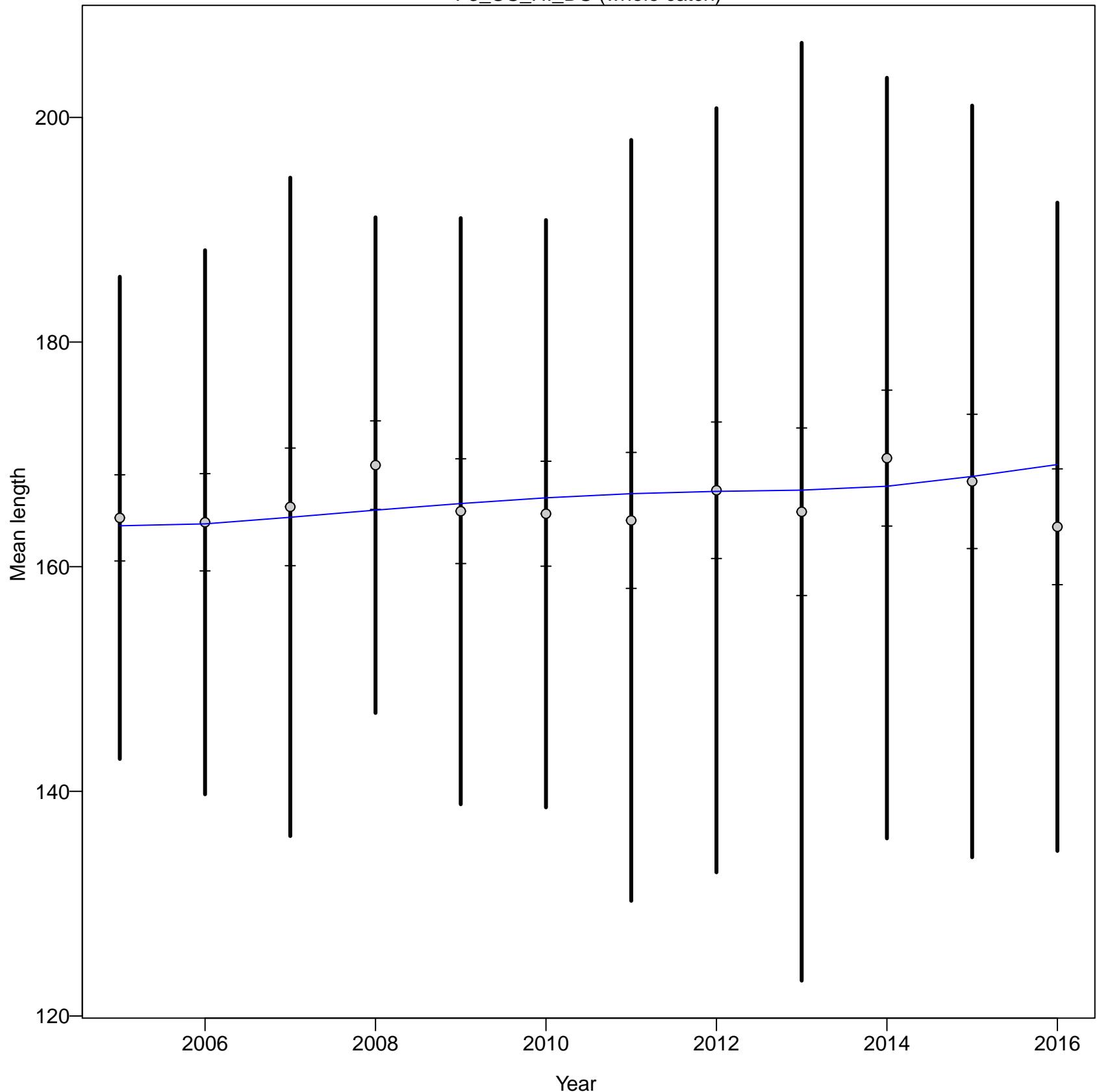
Pearson residuals, whole catch, F3_US_HI_DS (max=4.4)



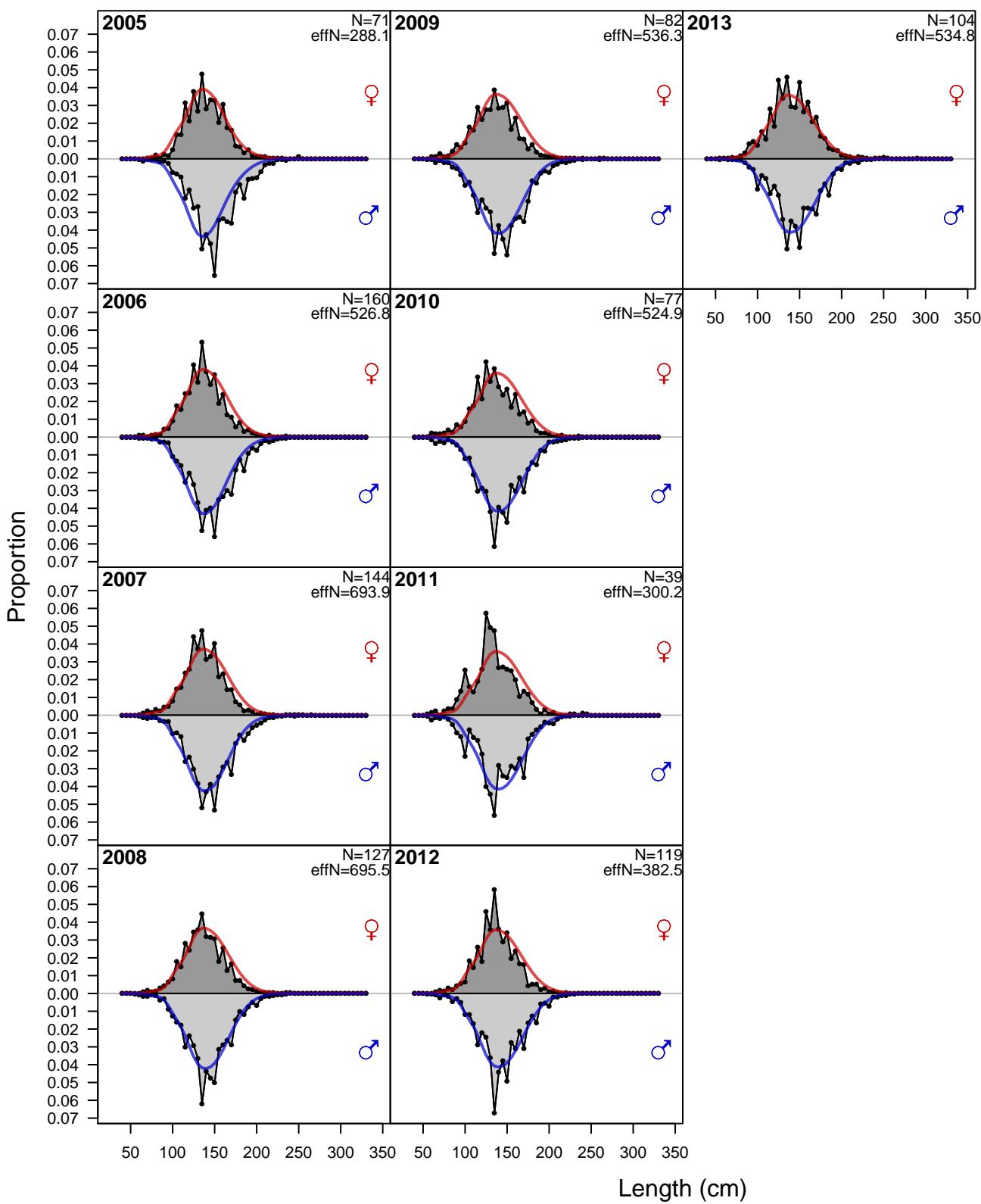
N-EffN comparison, length comps, whole catch, F3_US_HI_DS



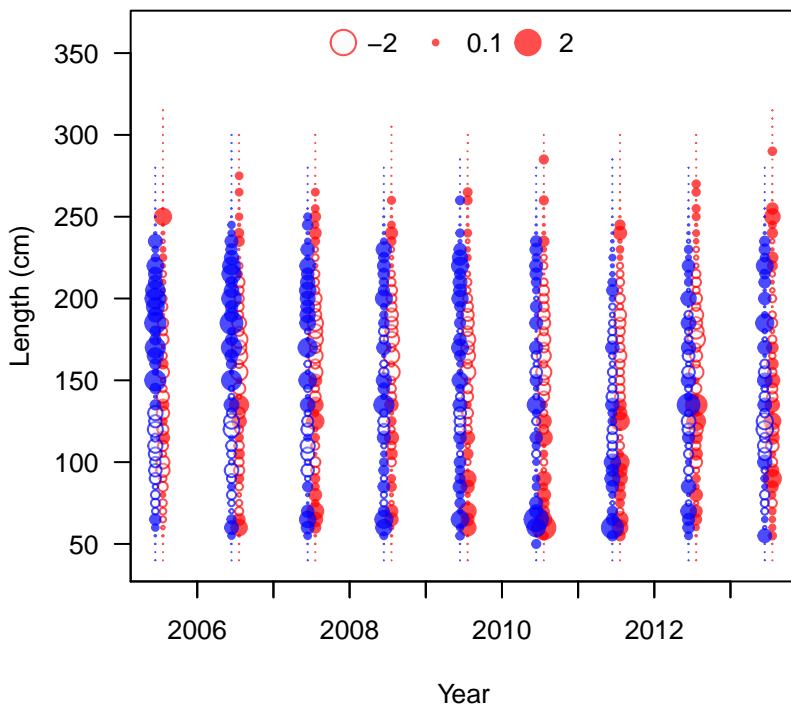
F3_US_HI_DS (whole catch)



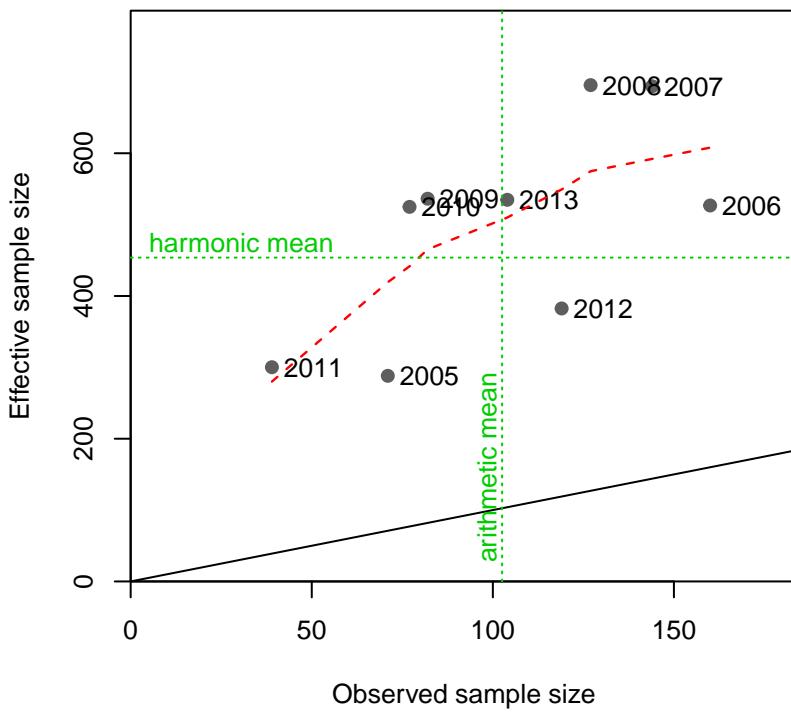
length comps, whole catch, F9_JPN_SS



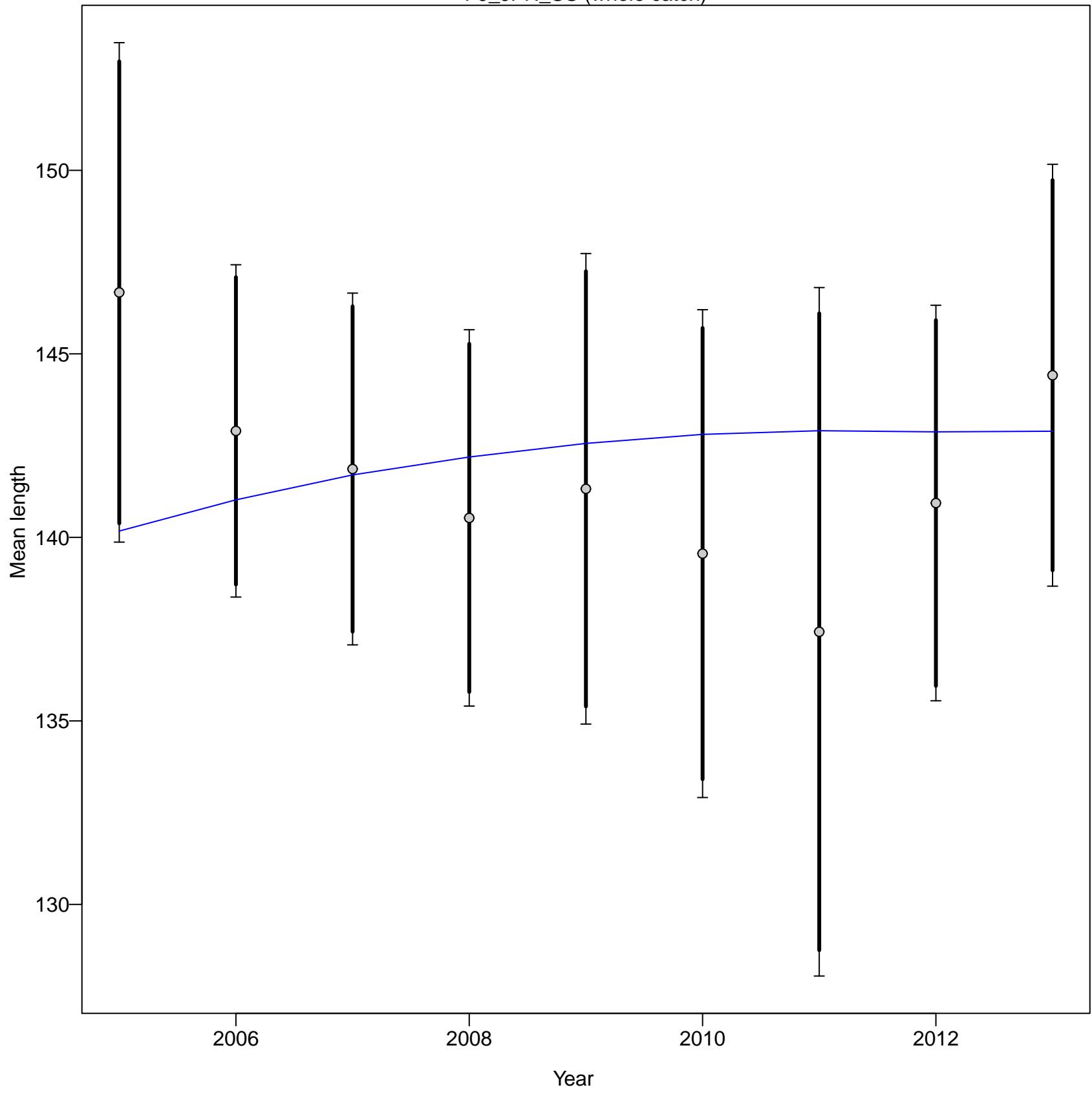
Pearson residuals, whole catch, F9_JPN_SS (max=1.7)



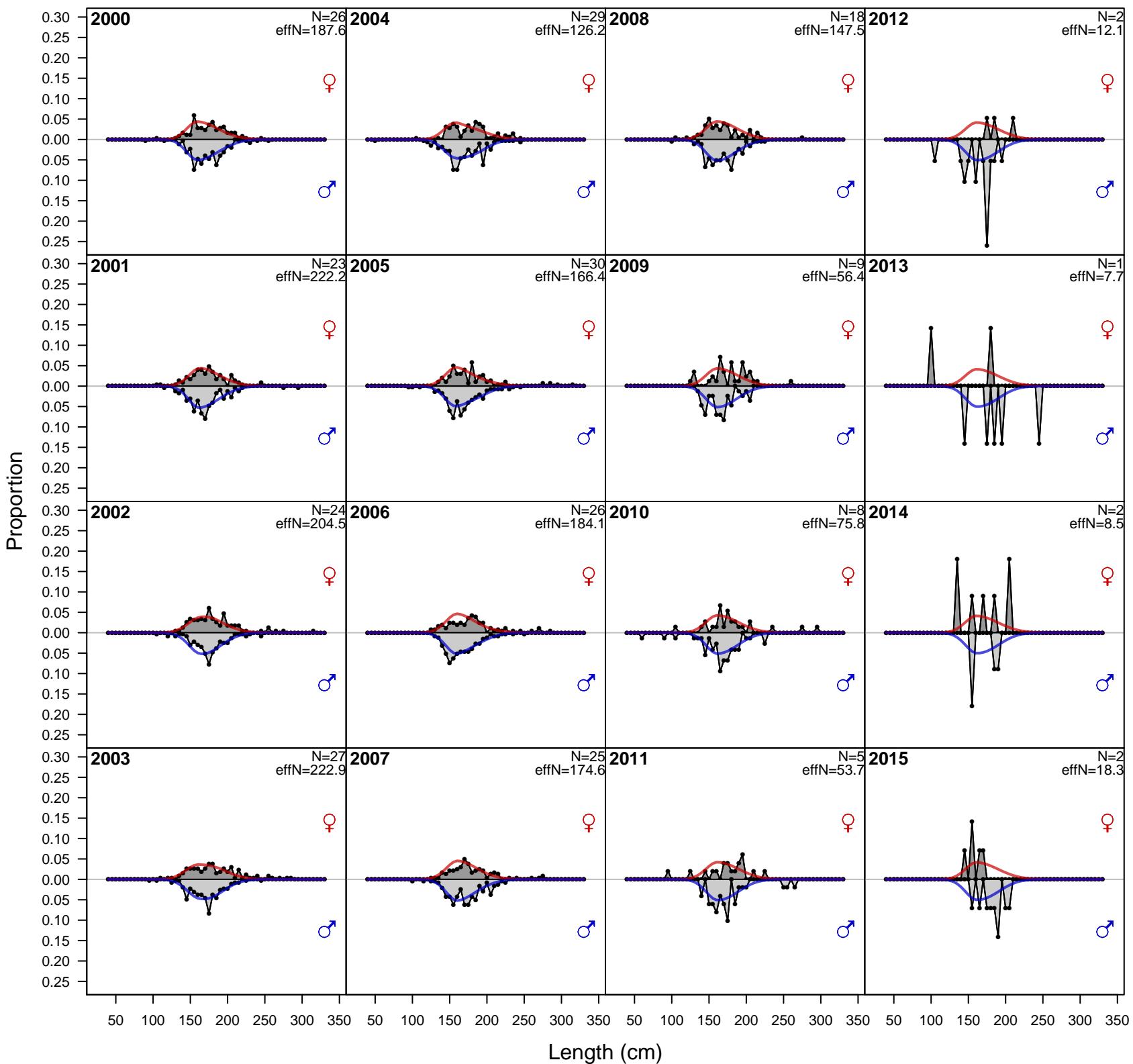
N-EffN comparison, length comps, whole catch, F9_JPN_SS



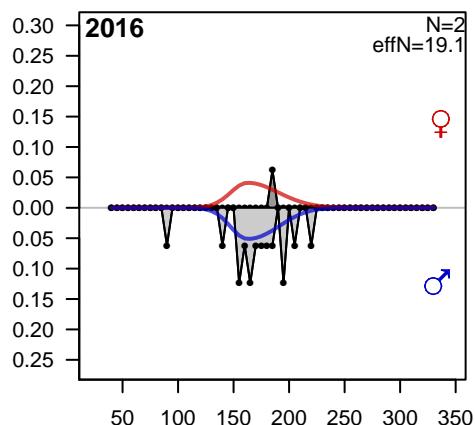
F9_JPN_SS (whole catch)



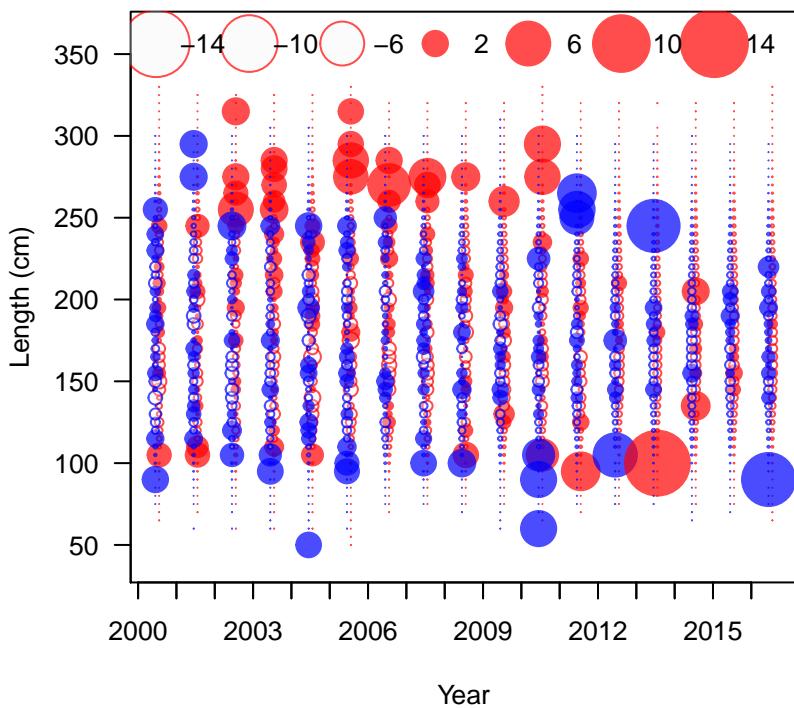
length comps, whole catch, F10_JPN_DS



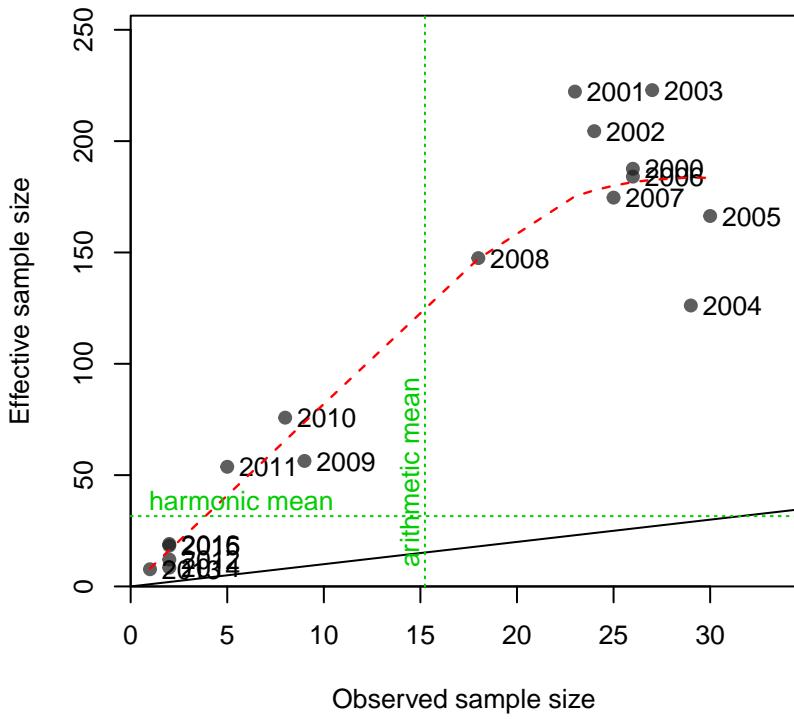
length comps, whole catch, F10_JPN_DS



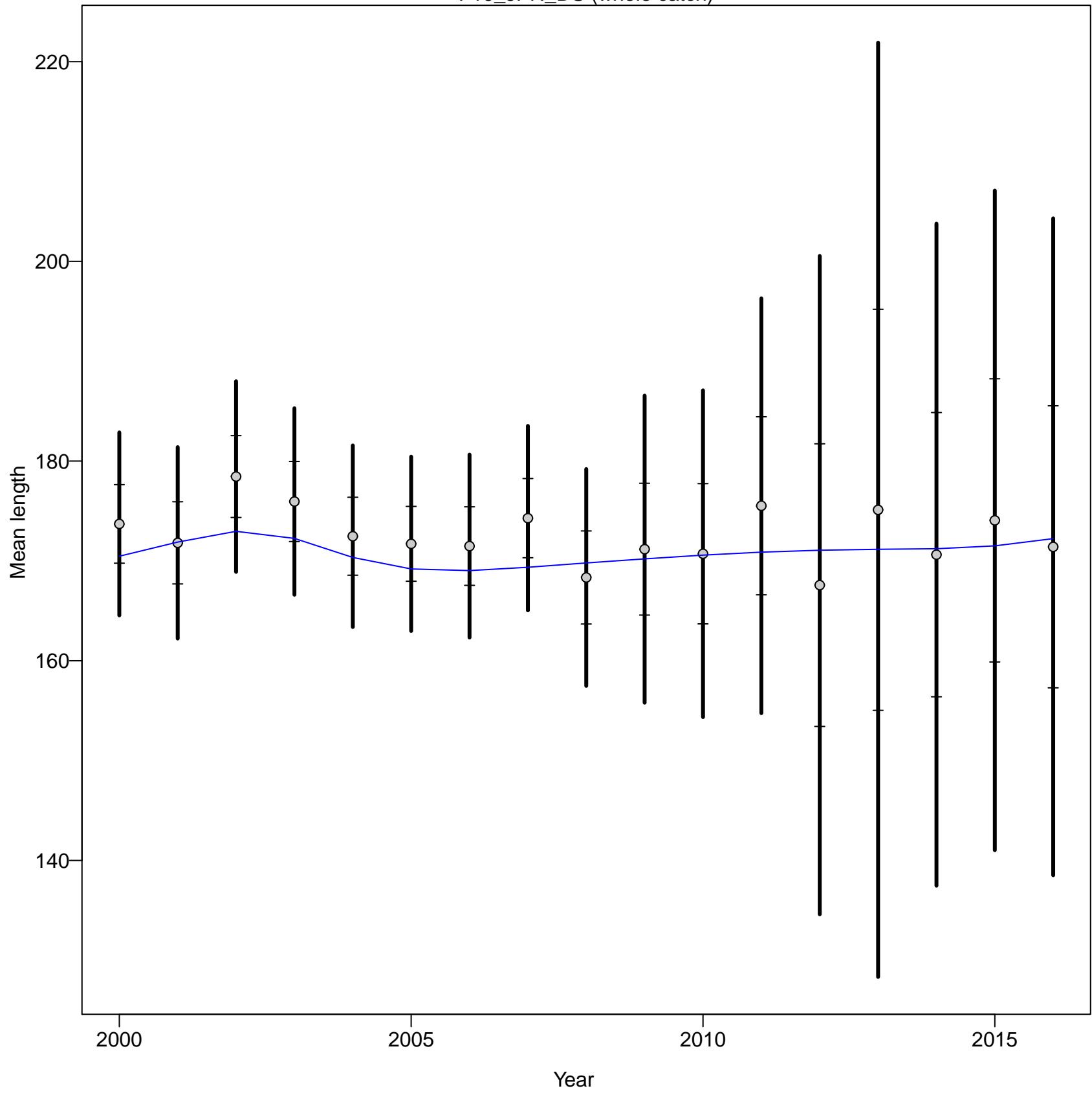
Pearson residuals, whole catch, F10_JPN_DS (max=13.09)



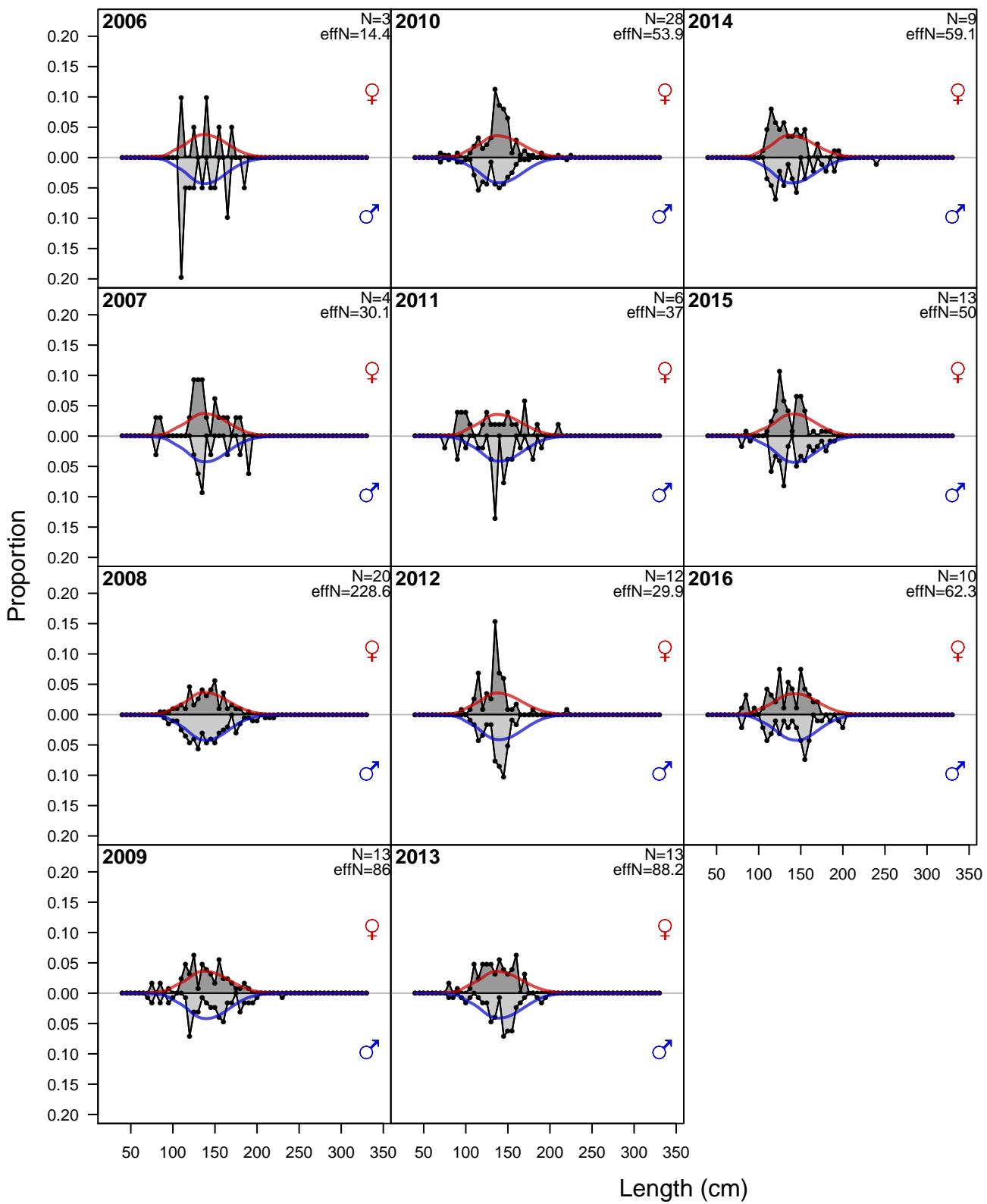
N-EffN comparison, length comps, whole catch, F10_JPN_DS



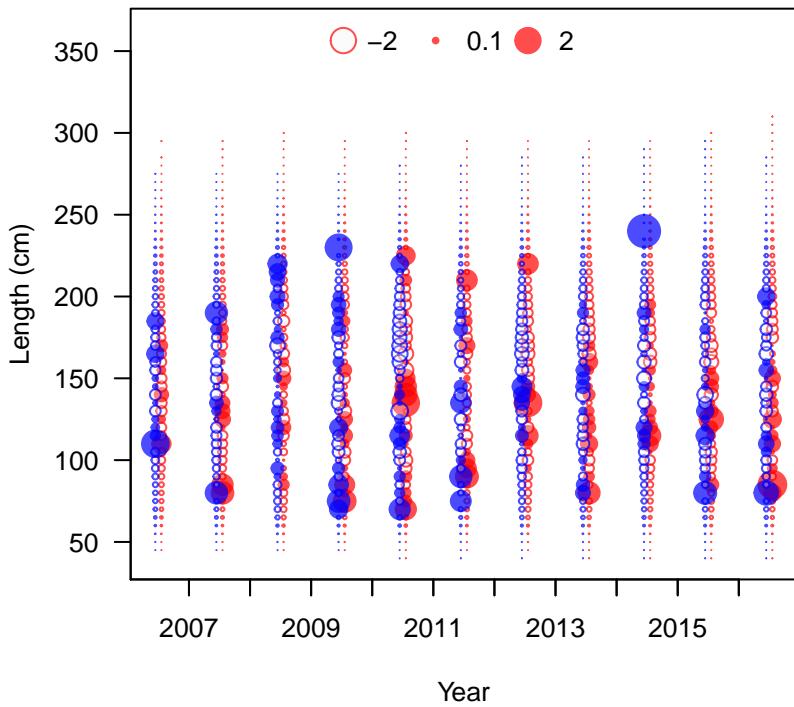
F10_JPN_DS (whole catch)



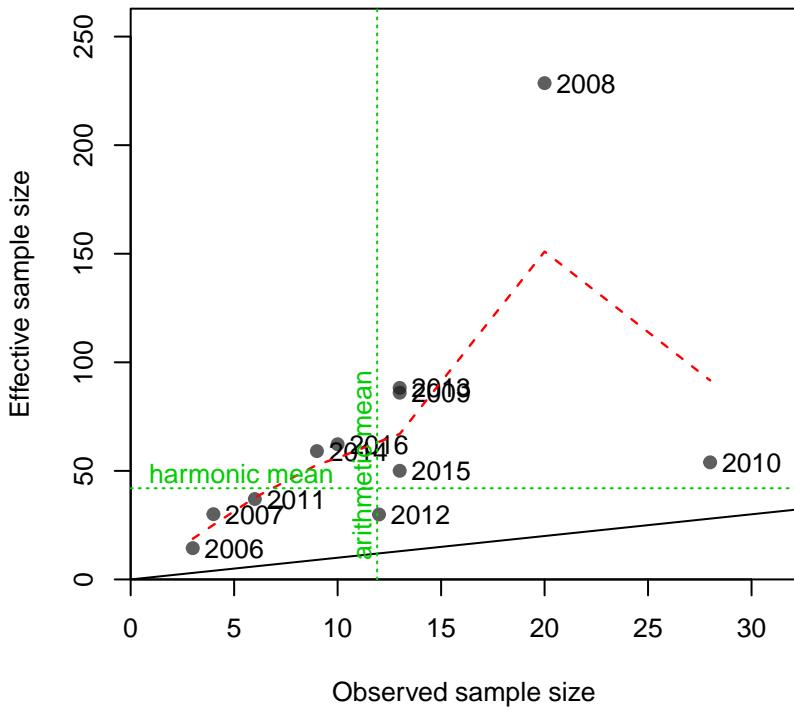
length comps, whole catch, F11_JPN_CST



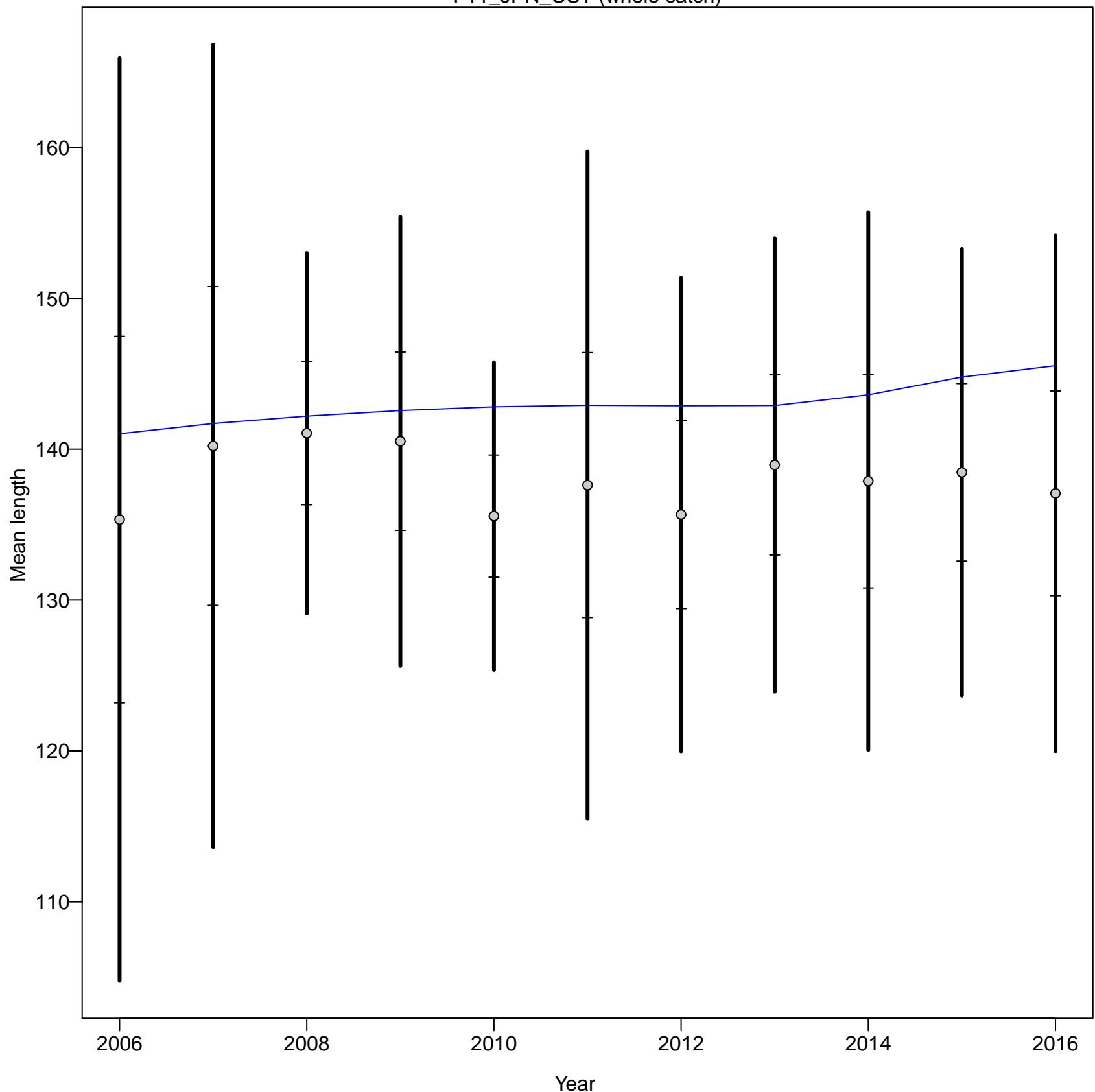
Pearson residuals, whole catch, F11_JPN_CST (max=3.19)



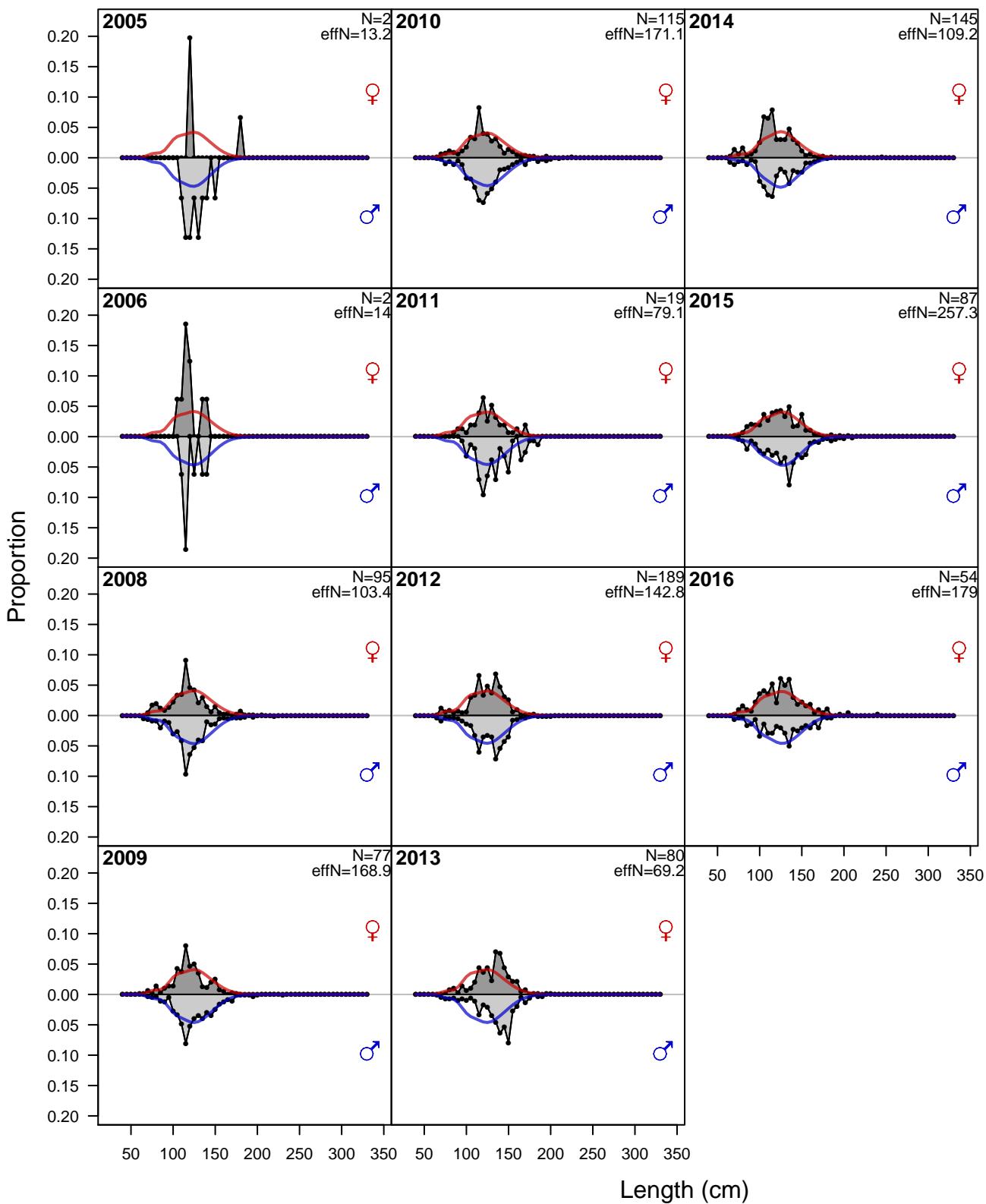
N-EffN comparison, length comps, whole catch, F11_JPN_CST



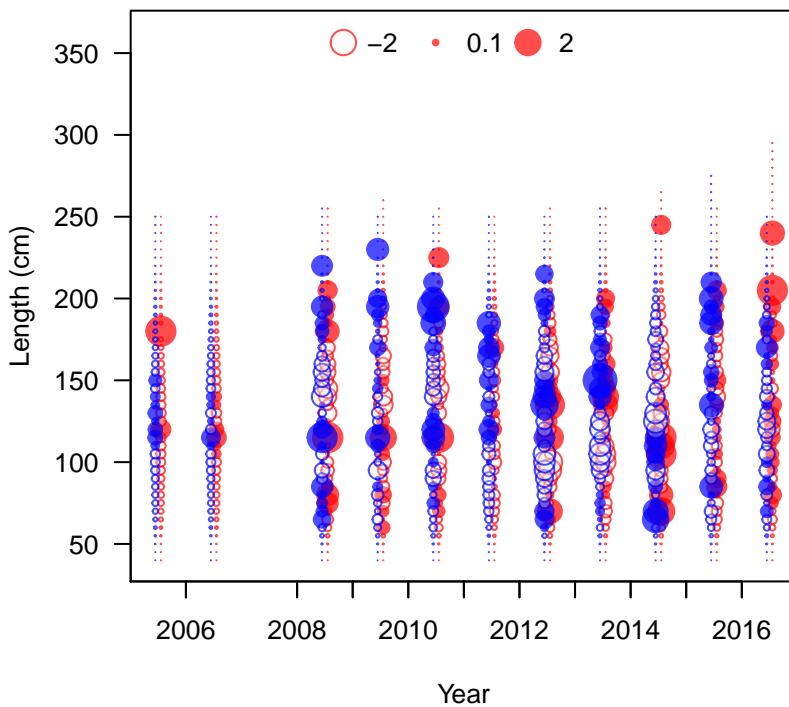
F11_JPN_CST (whole catch)



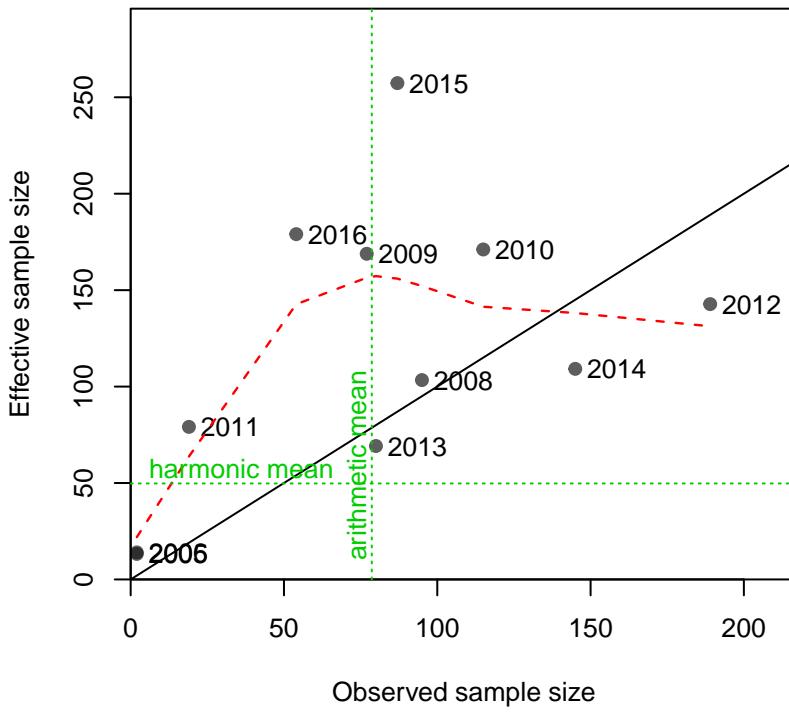
length comps, whole catch, F12_JPN_DFN



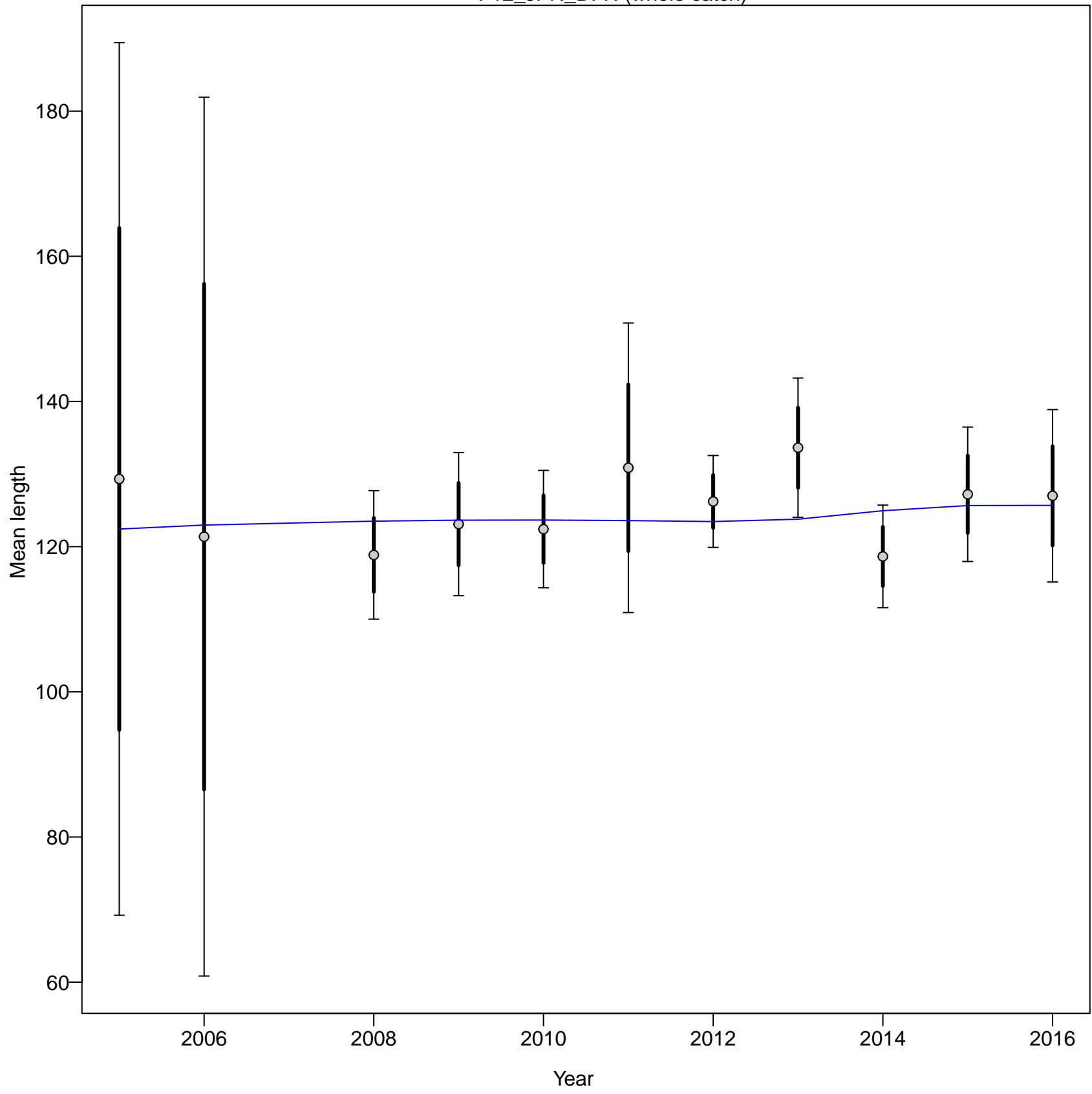
Pearson residuals, whole catch, F12_JPN_DFN (max=3.35)



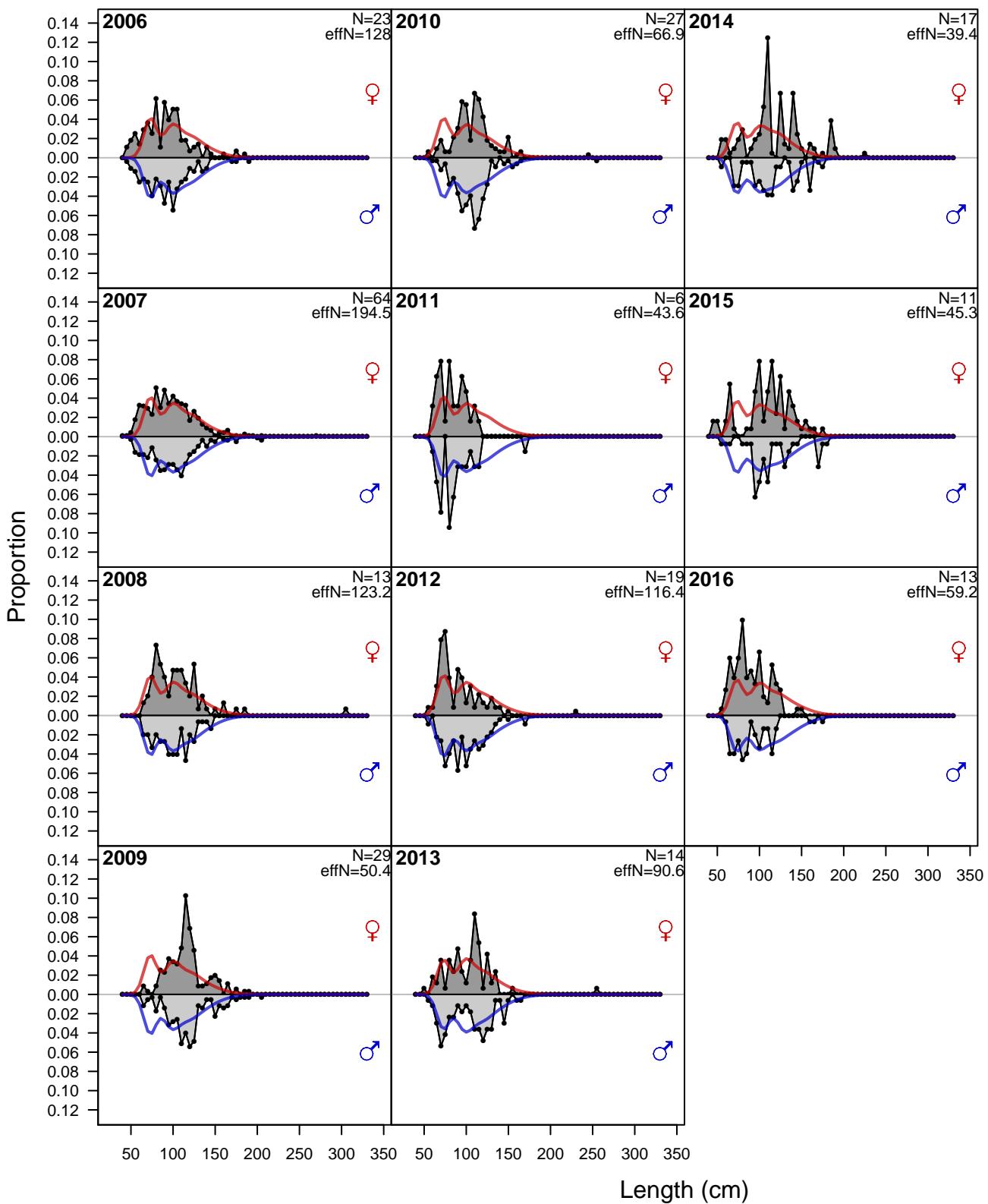
N-EffN comparison, length comps, whole catch, F12_JPN_DFN



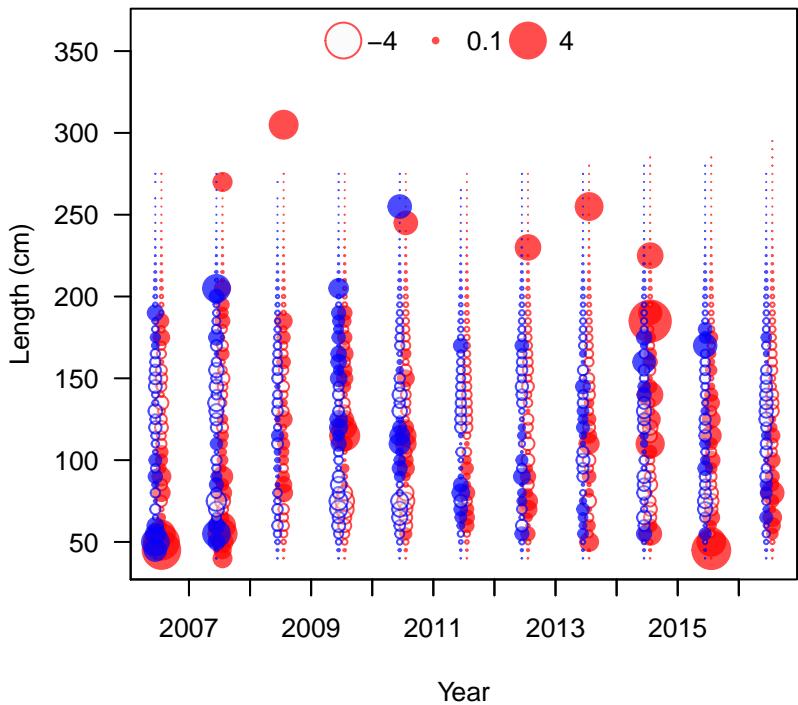
F12_JPN_DFN (whole catch)



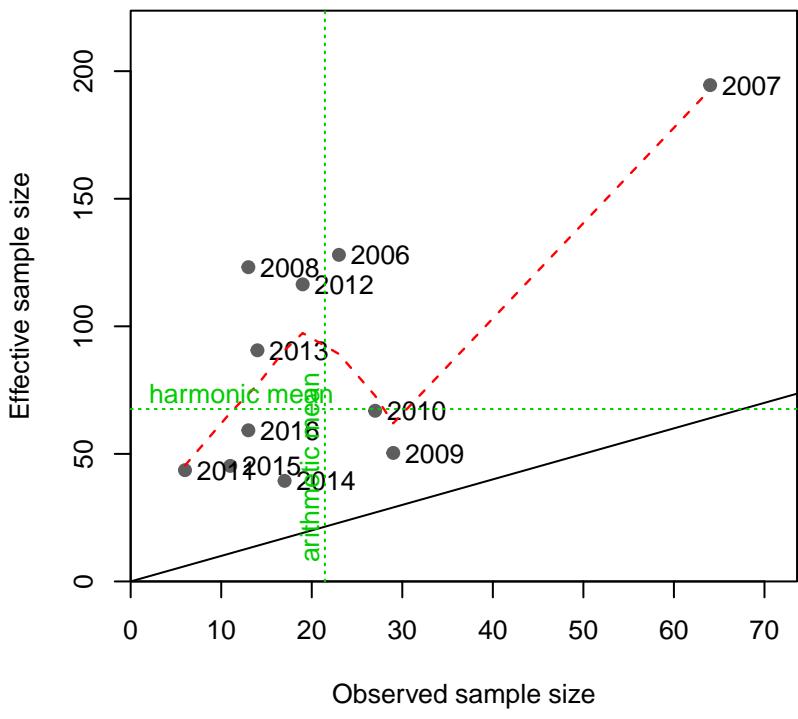
length comps, whole catch, F14_MEX_NOR



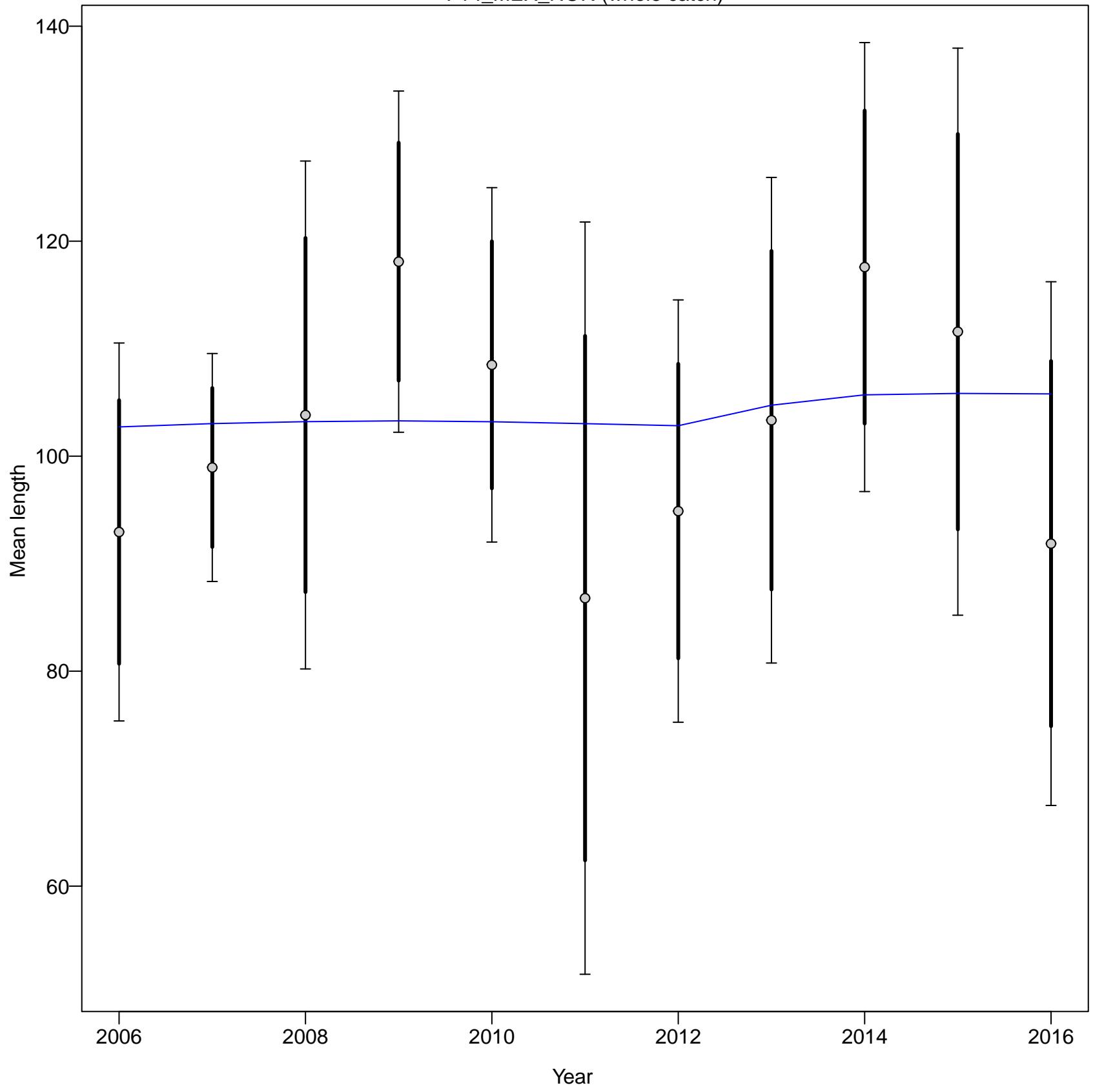
Pearson residuals, whole catch, F14_MEX_NOR (max=5.29)



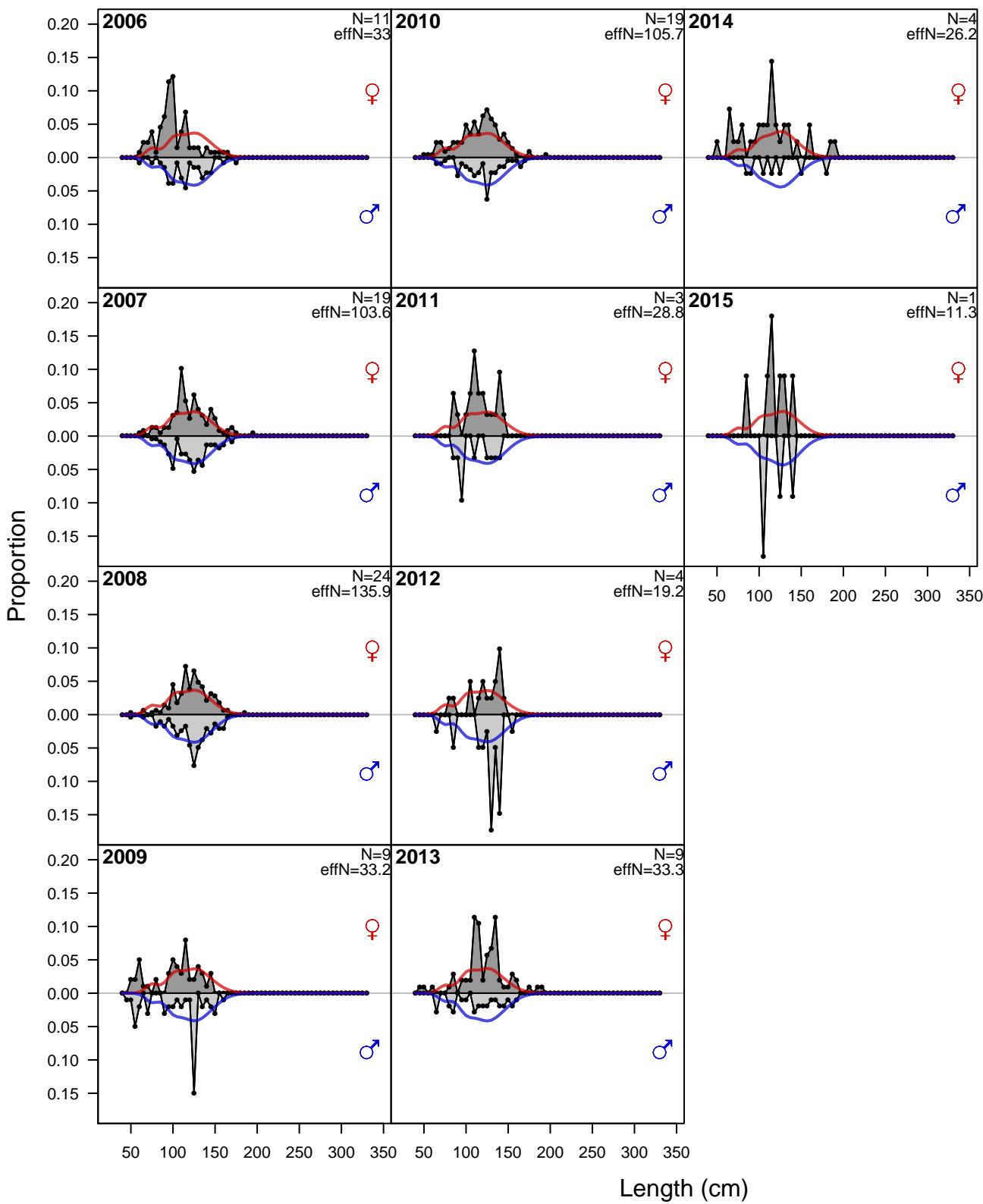
N-EffN comparison, length comps, whole catch, F14_MEX_NOR



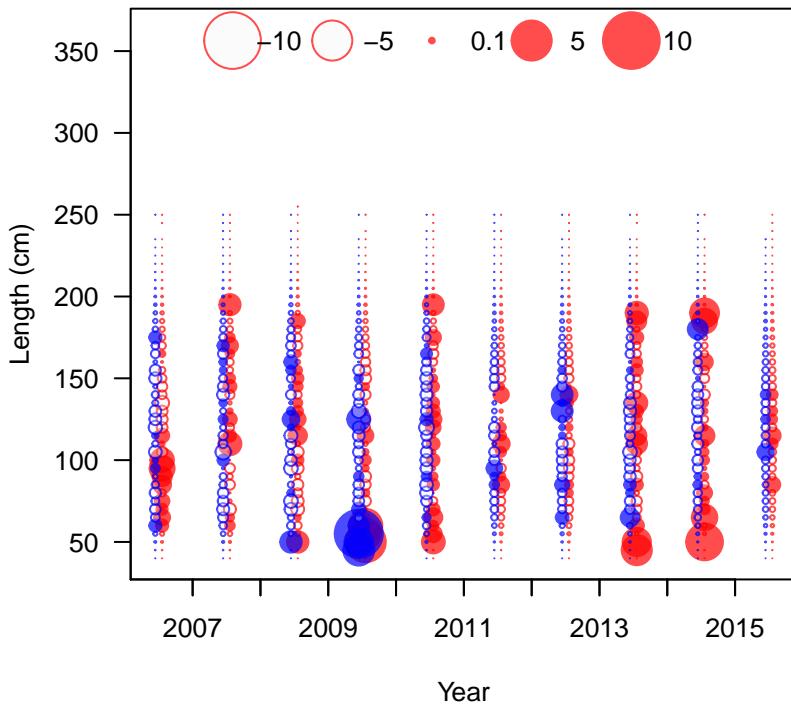
F14_MEX_NOR (whole catch)



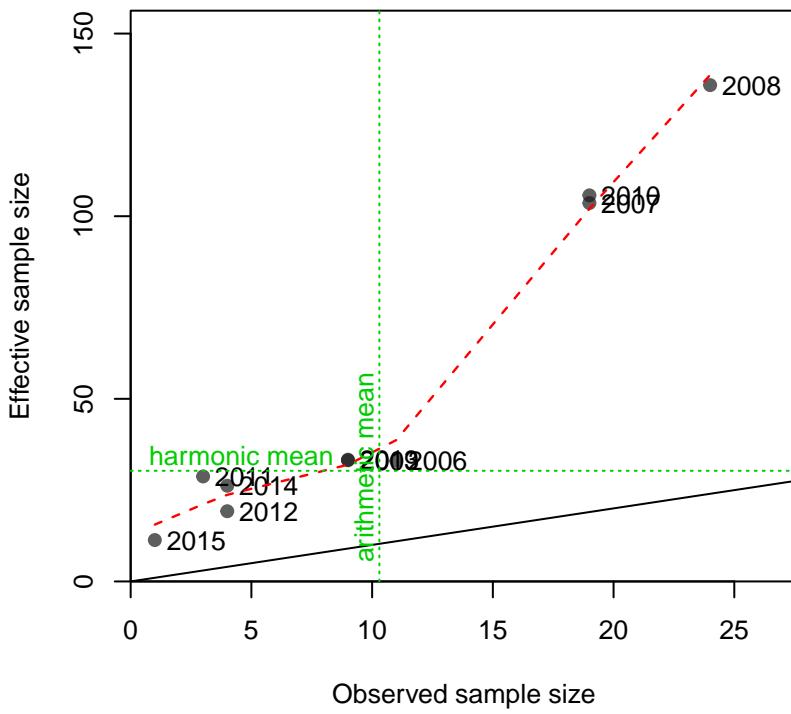
length comps, whole catch, F15_MEX_SOU



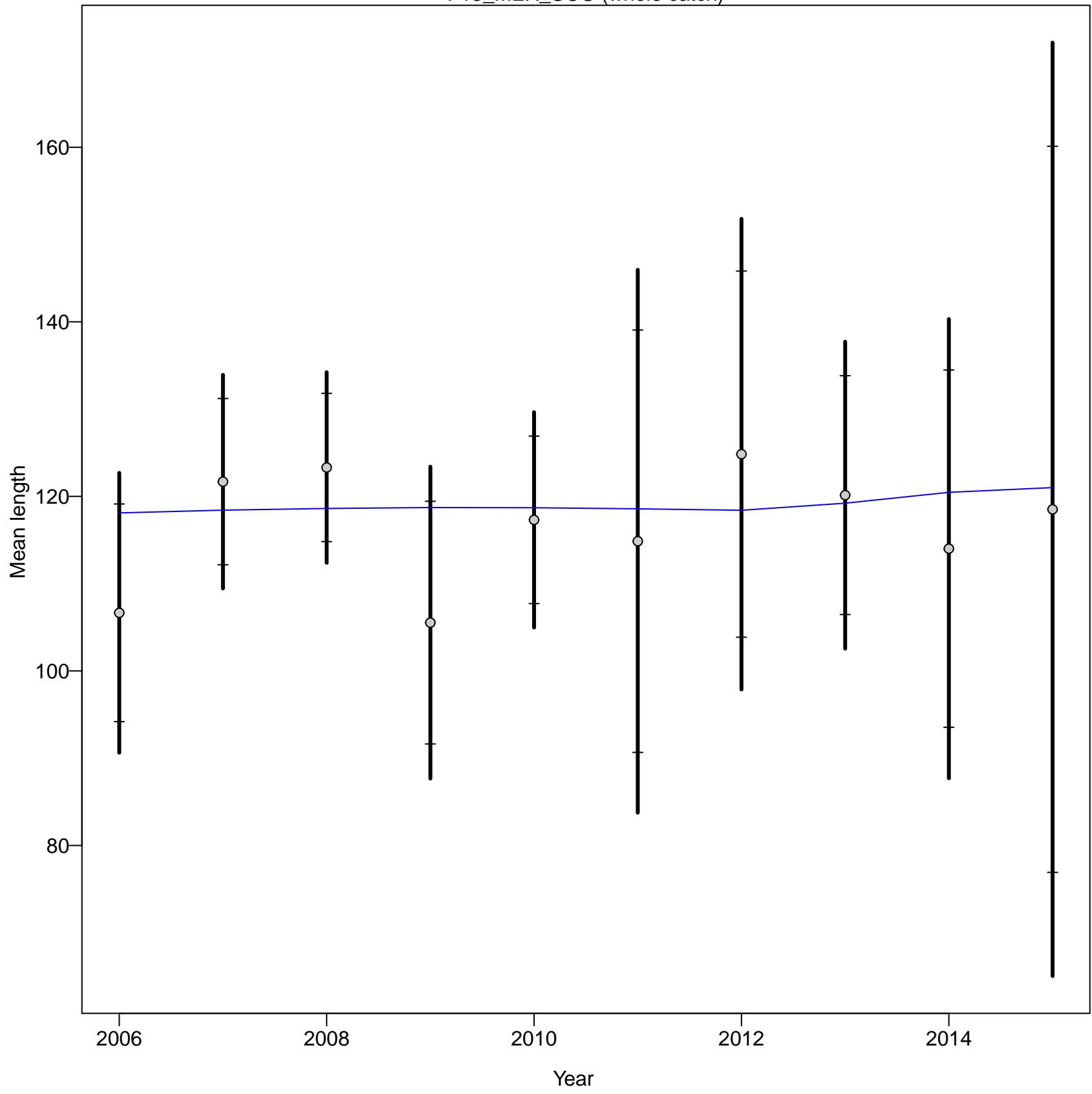
Pearson residuals, whole catch, F15_MEX_SOU (max=7.19)



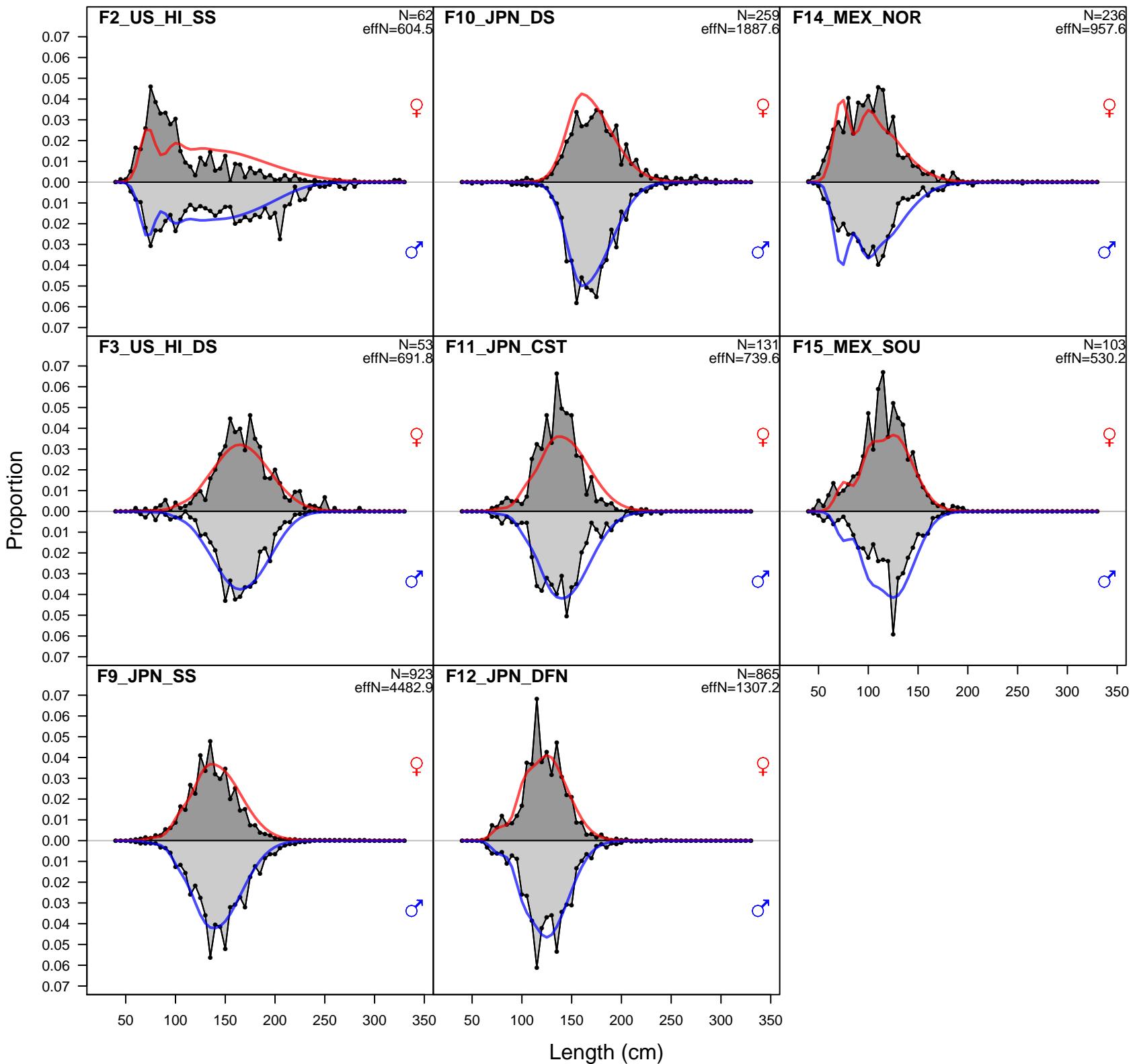
N-EffN comparison, length comps, whole catch, F15_MEX_SOU



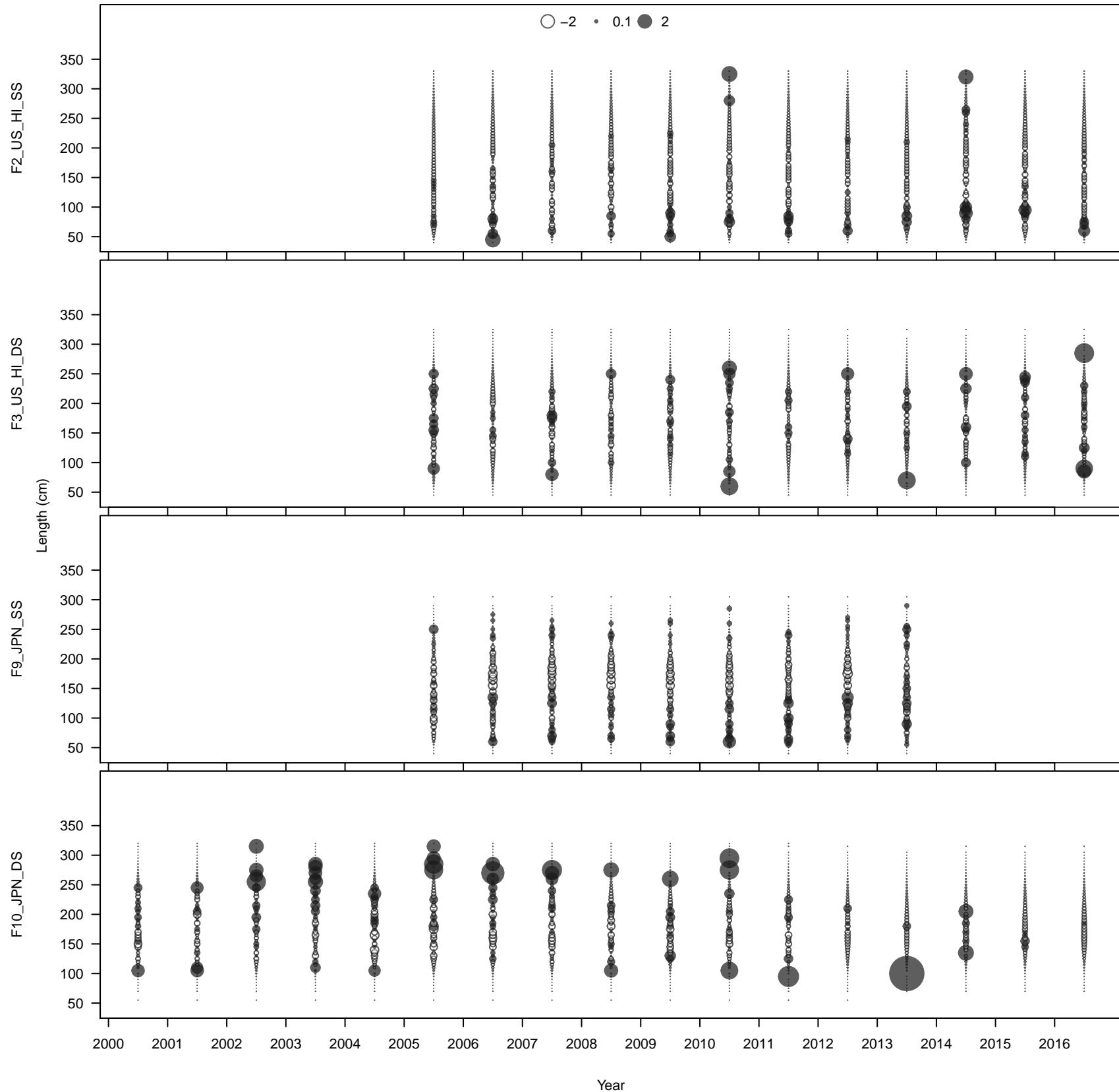
F15_MEX_SOU (whole catch)



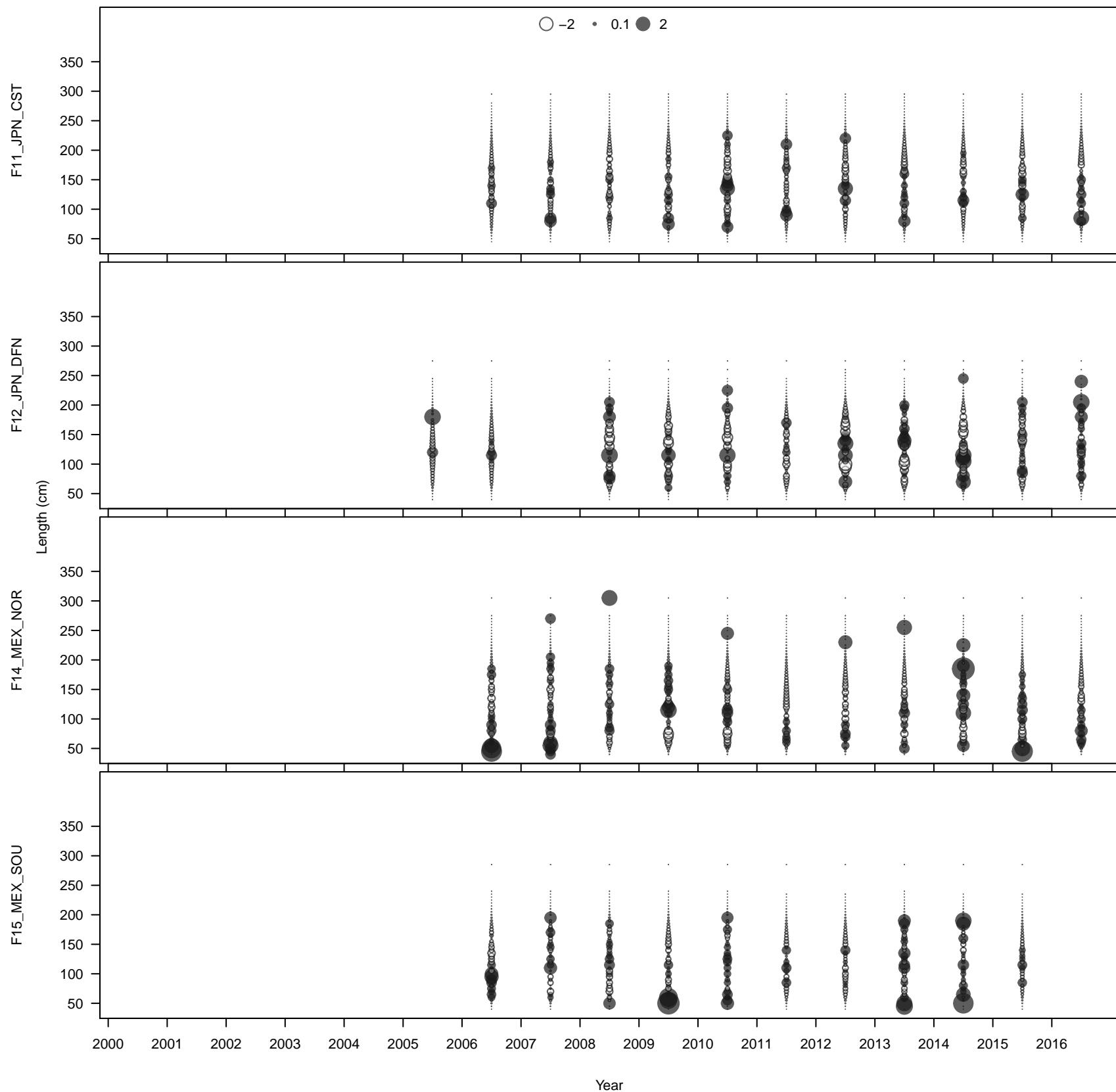
length comps, whole catch, aggregated across time by fleet



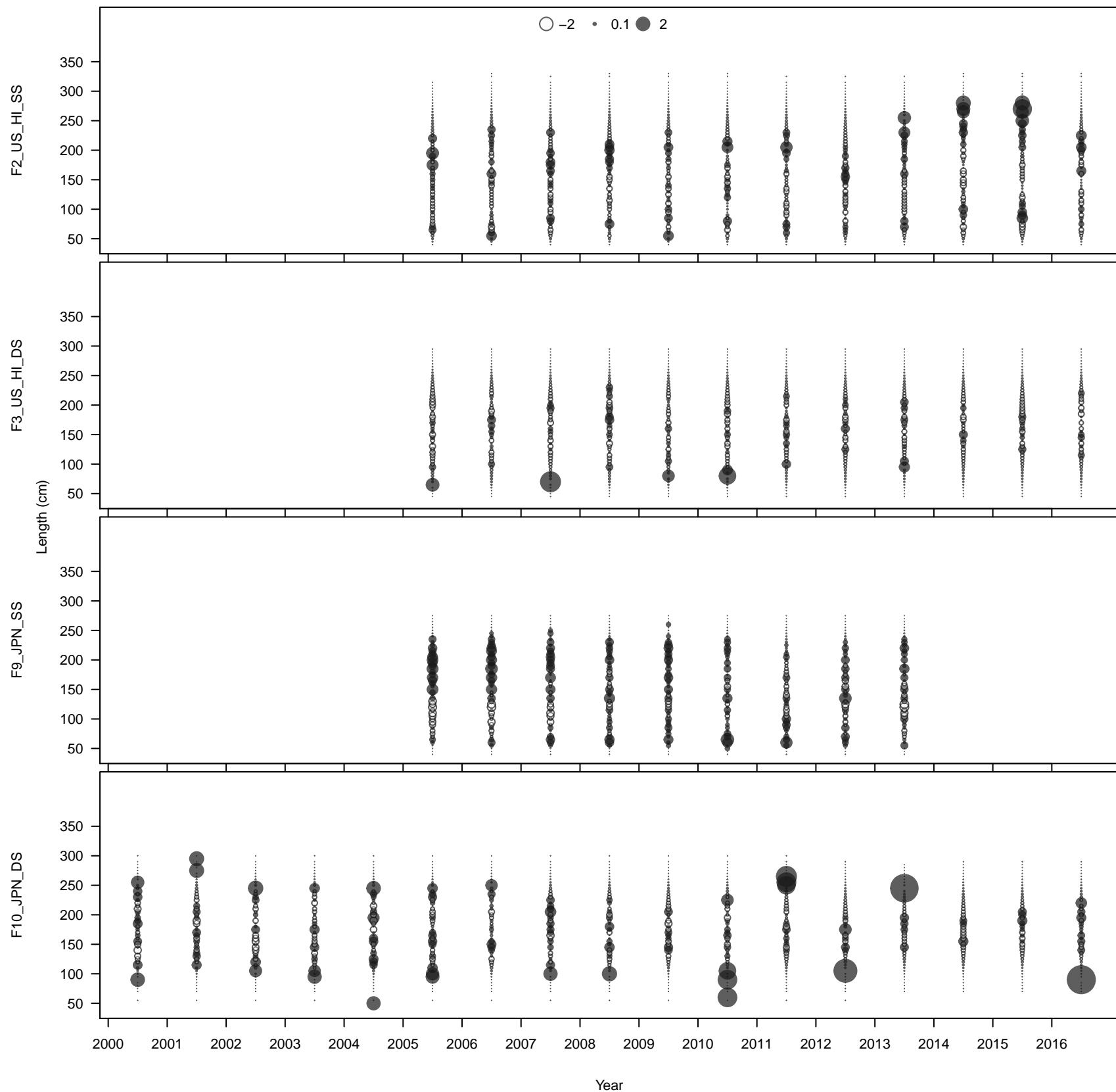
Pearson residuals, female, whole catch, comparing across fleets



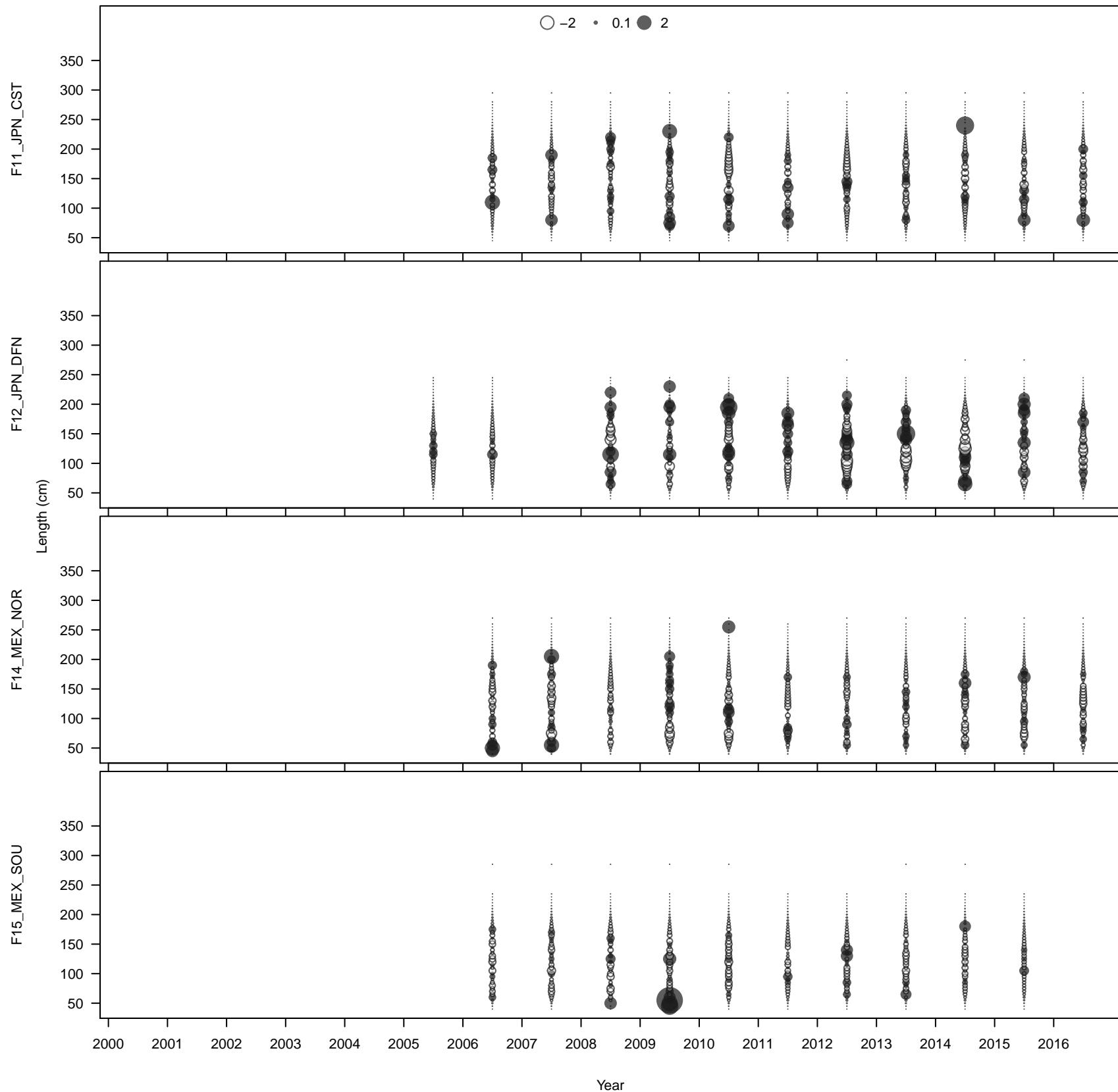
Pearson residuals, female, whole catch, comparing across fleets



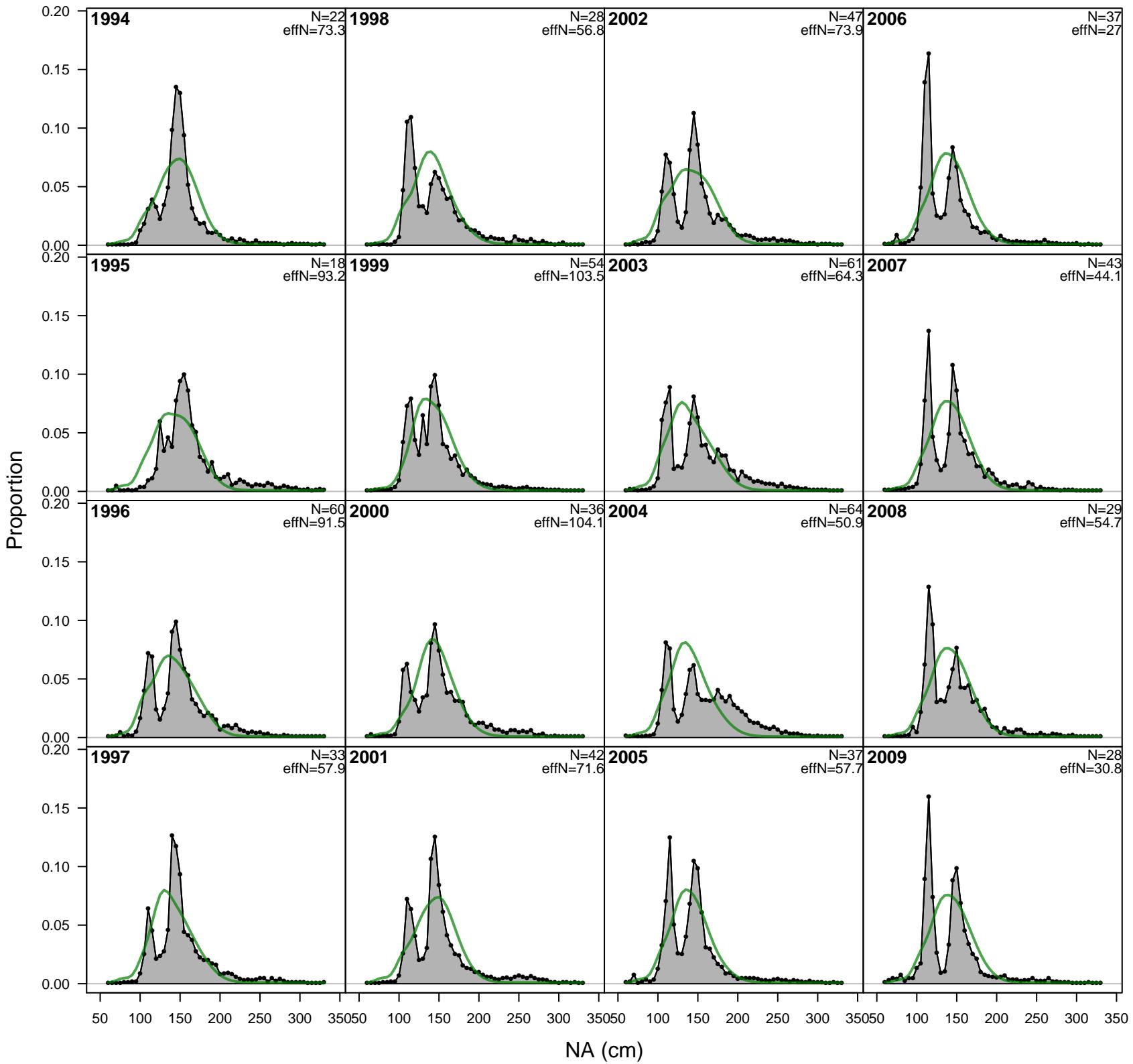
Pearson residuals, male, whole catch, comparing across fleets



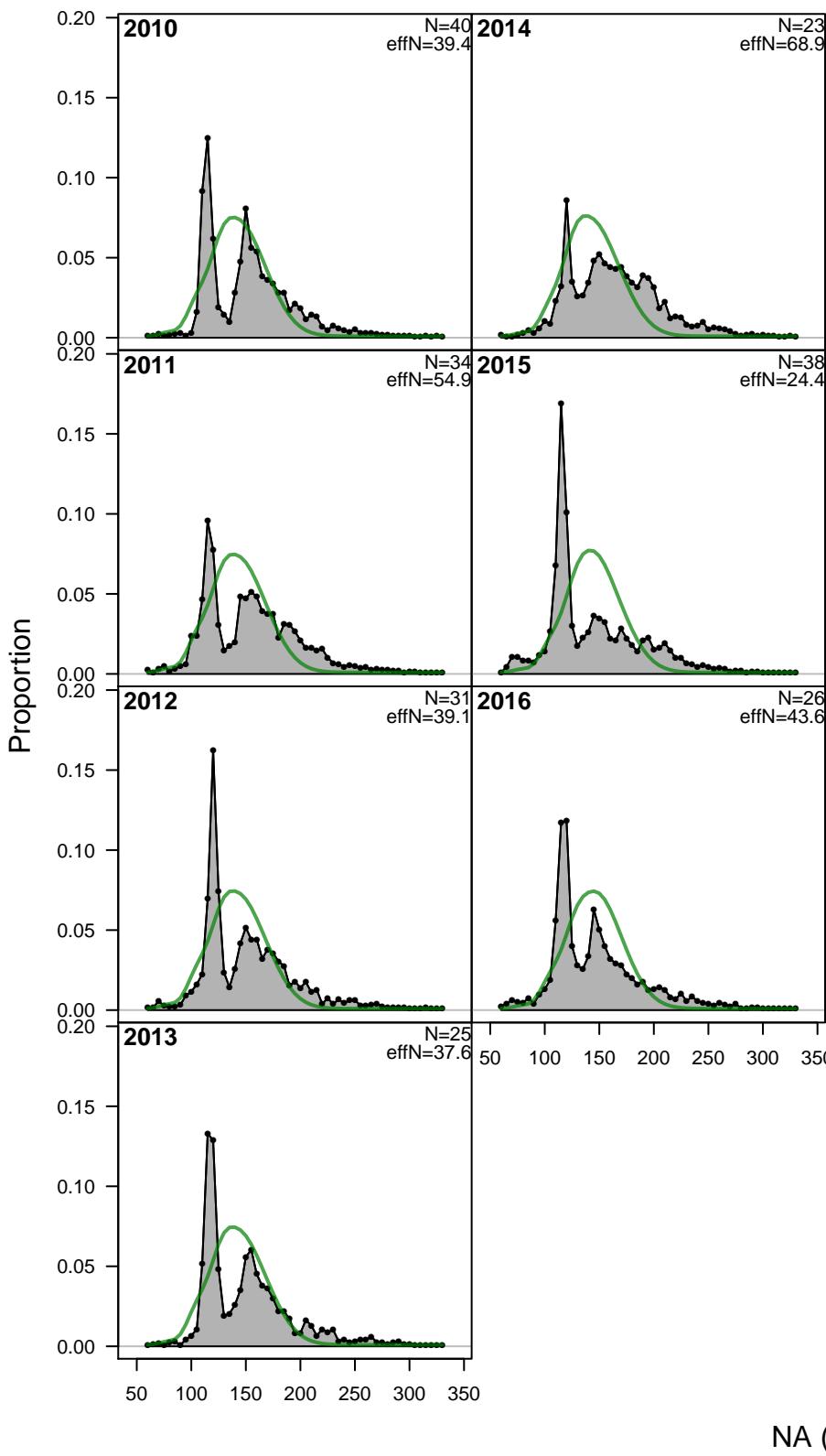
Pearson residuals, male, whole catch, comparing across fleets



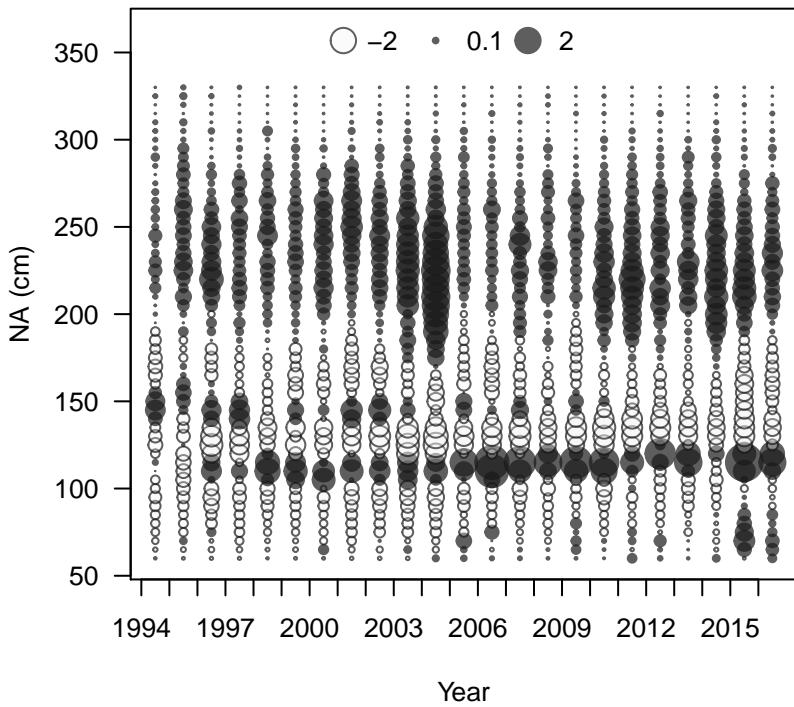
size comps, whole catch, F6_TW_LRG_N



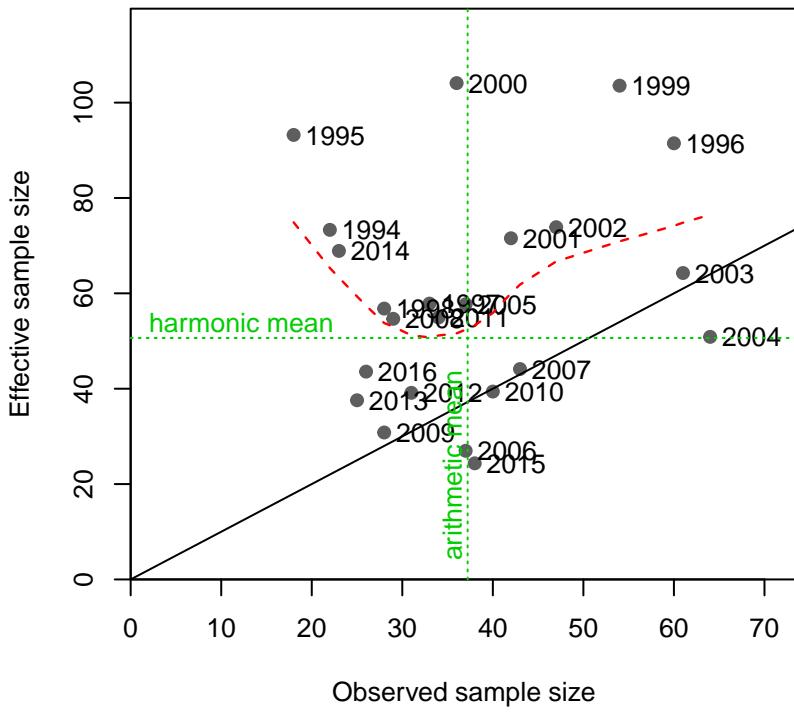
size comps, whole catch, F6_TW_LRG_N



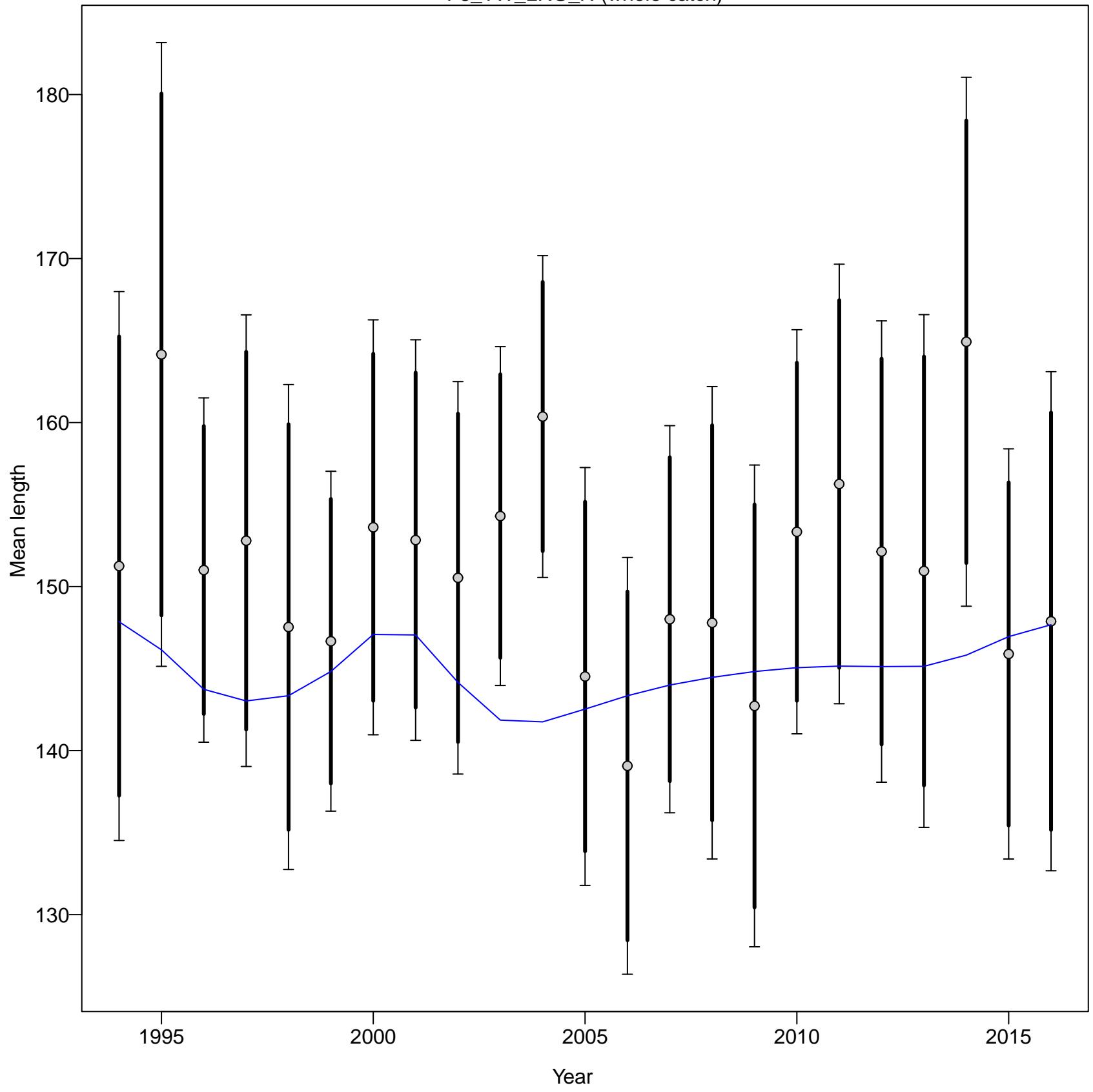
Pearson residuals, whole catch, F6_TW_LRG_N (max=4.22)



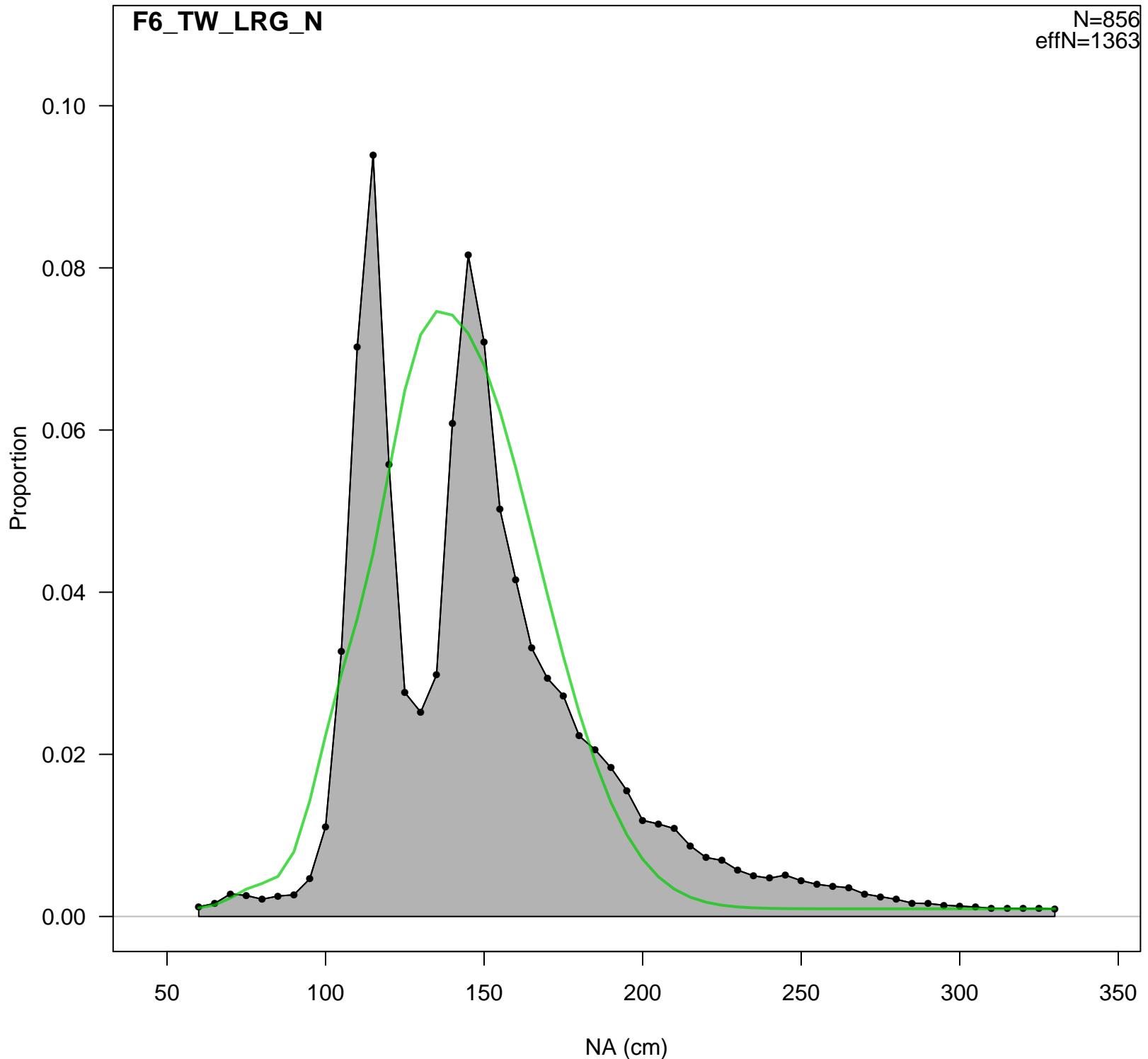
N-EffN comparison, size comps, whole catch, F6_TW_LRG_N



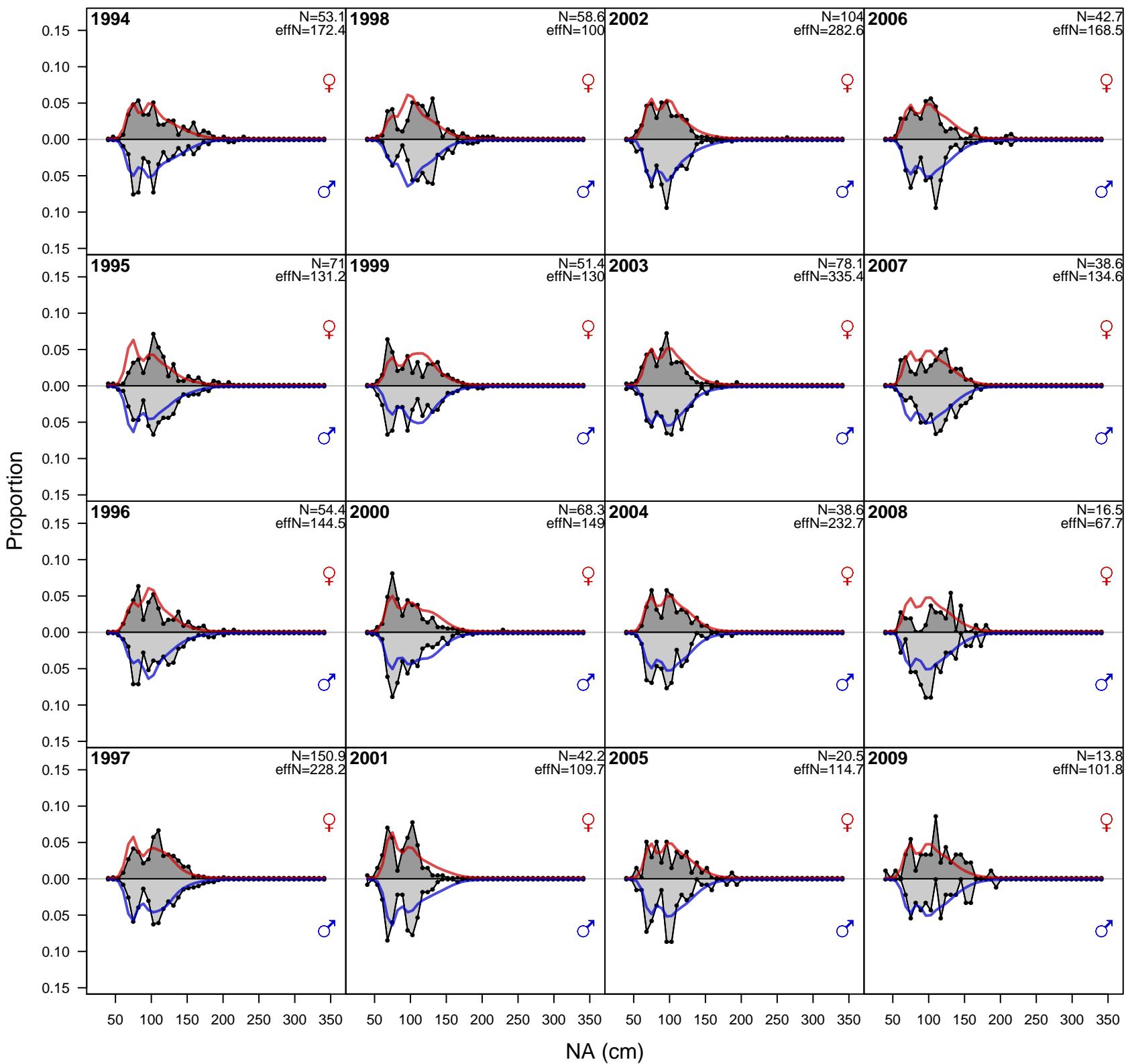
F6_TW_LRG_N (whole catch)



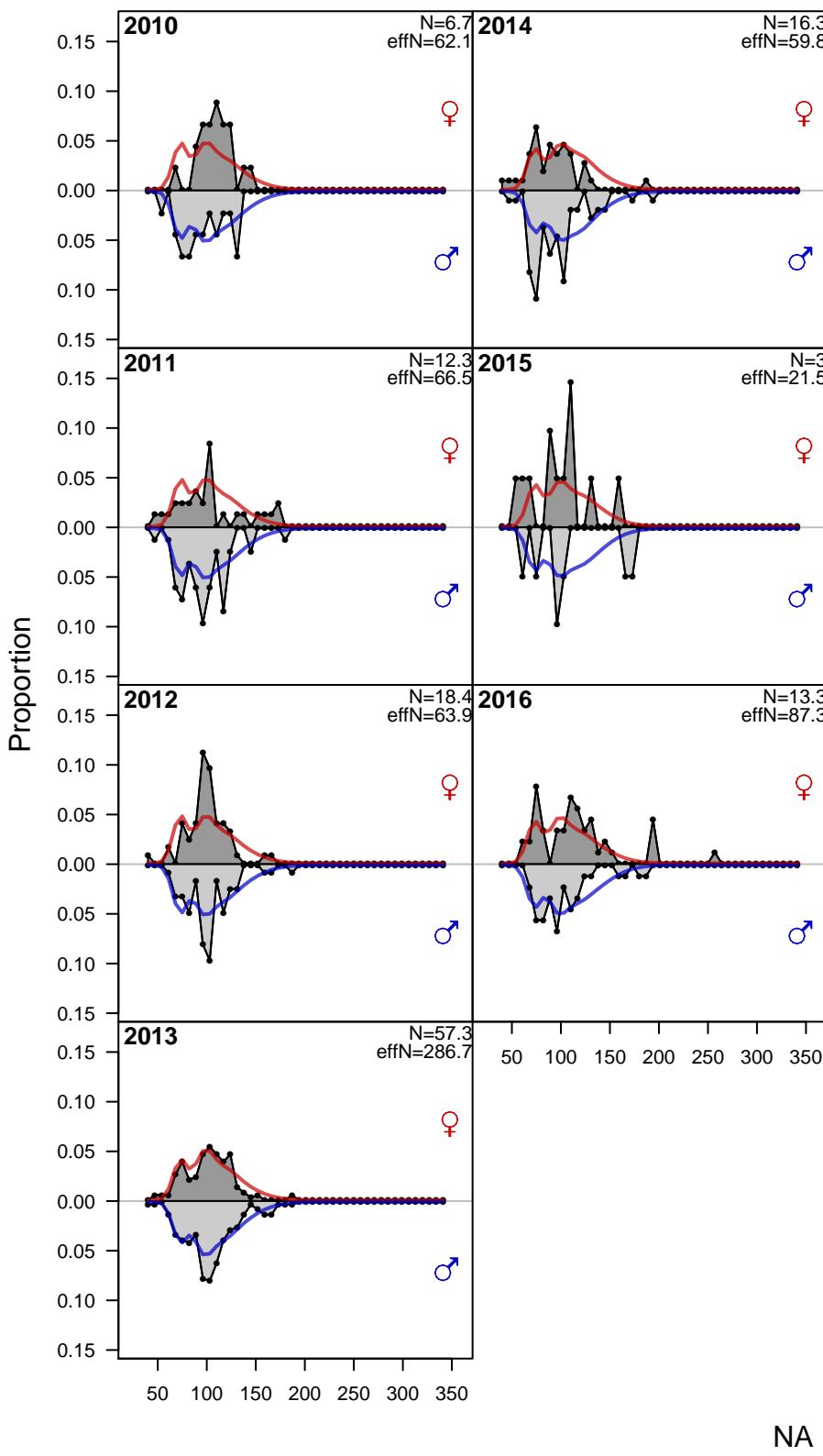
size comps, whole catch, aggregated across time by fleet



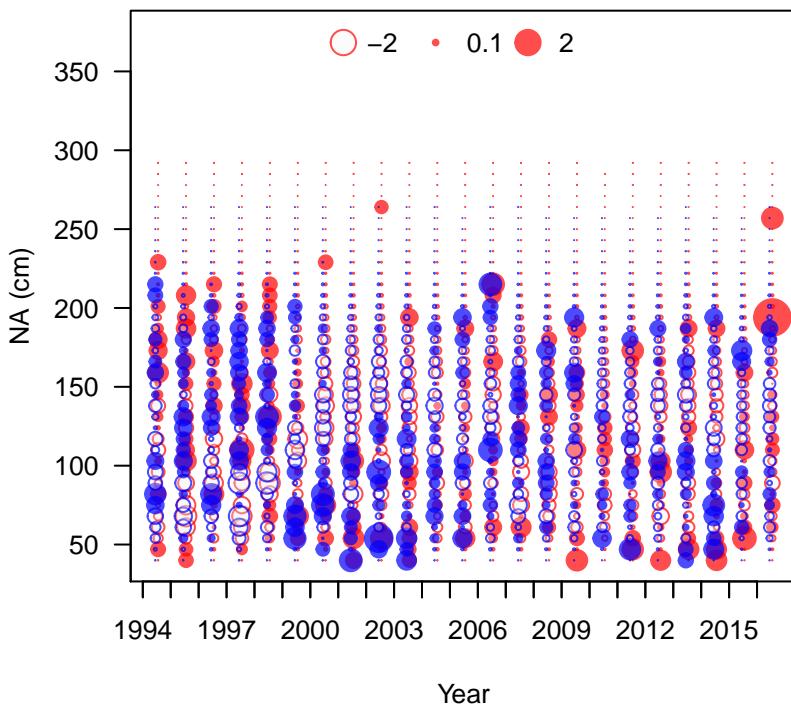
size comps, whole catch, F4_US_DGN



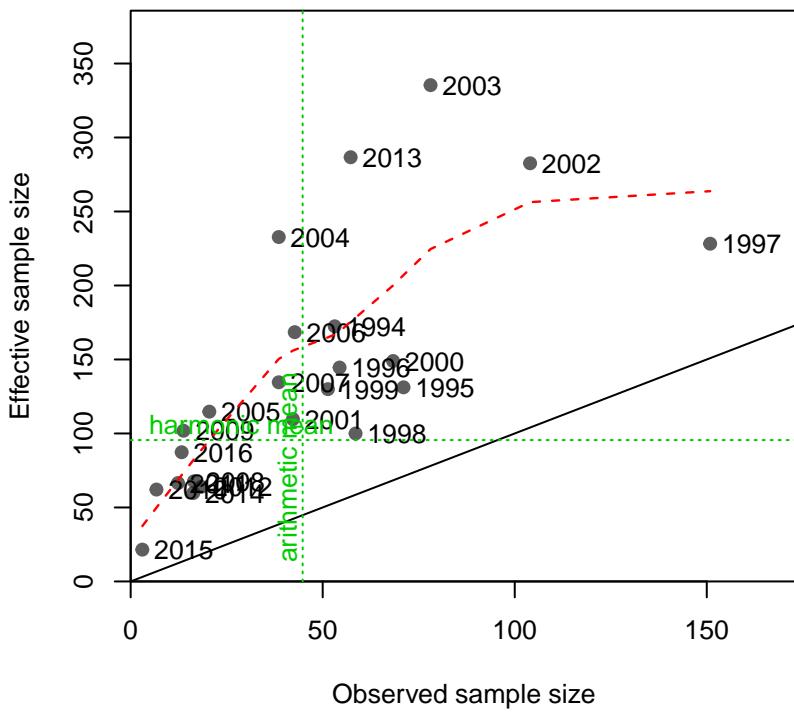
size comps, whole catch, F4_US_DGN



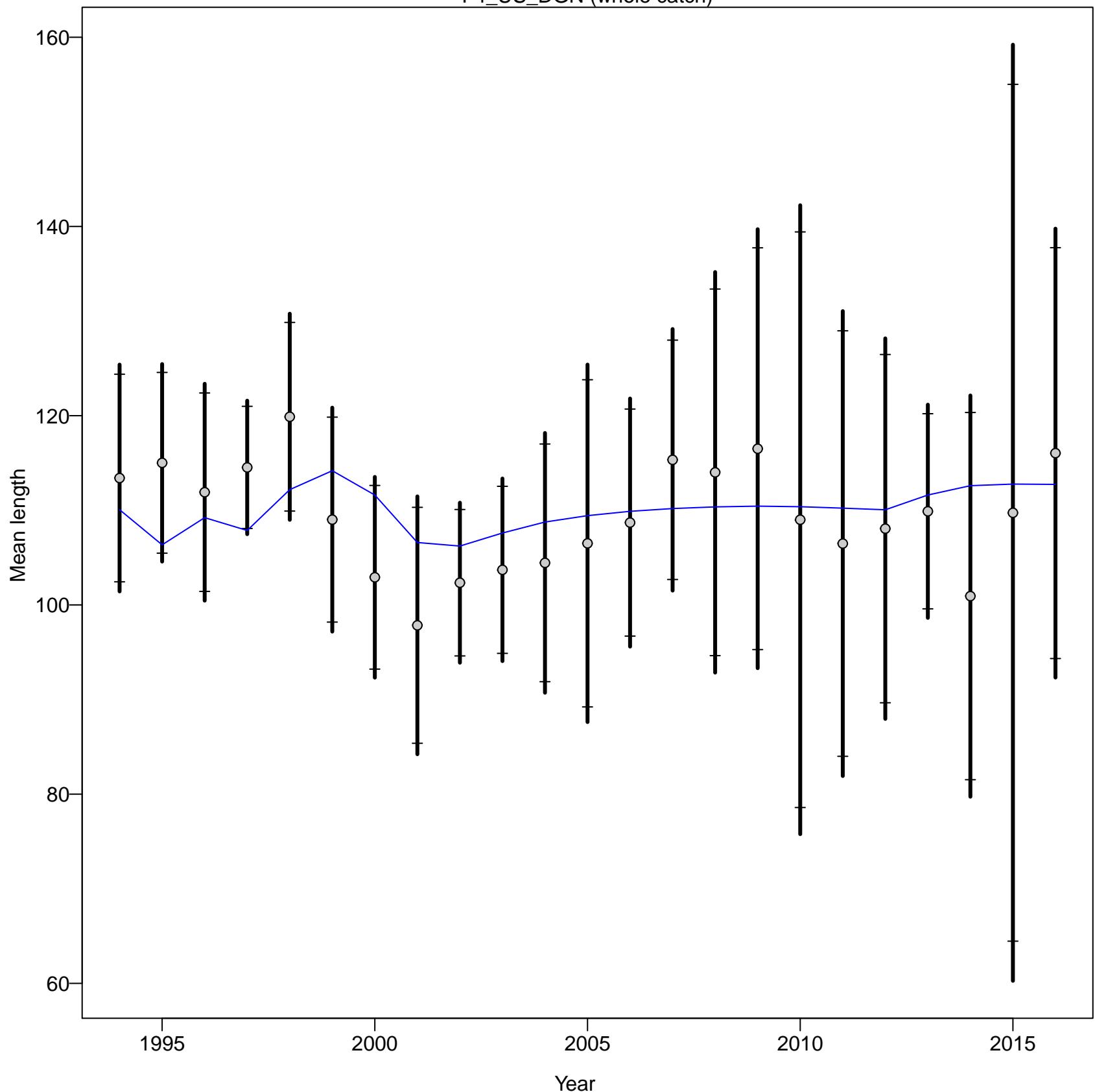
Pearson residuals, whole catch, F4_US_DGN (max=4.16)



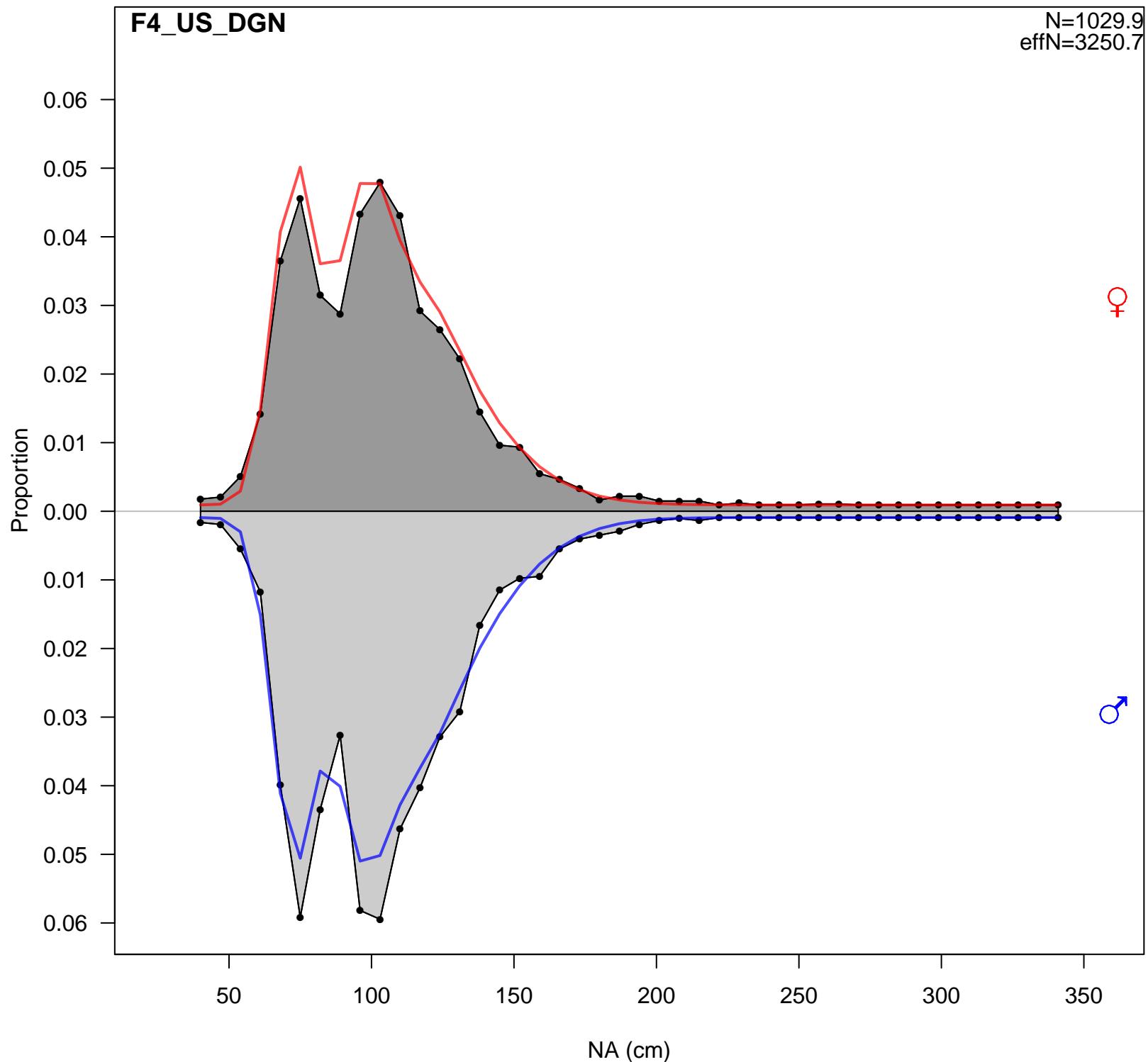
N-EffN comparison, size comps, whole catch, F4_US_DGN



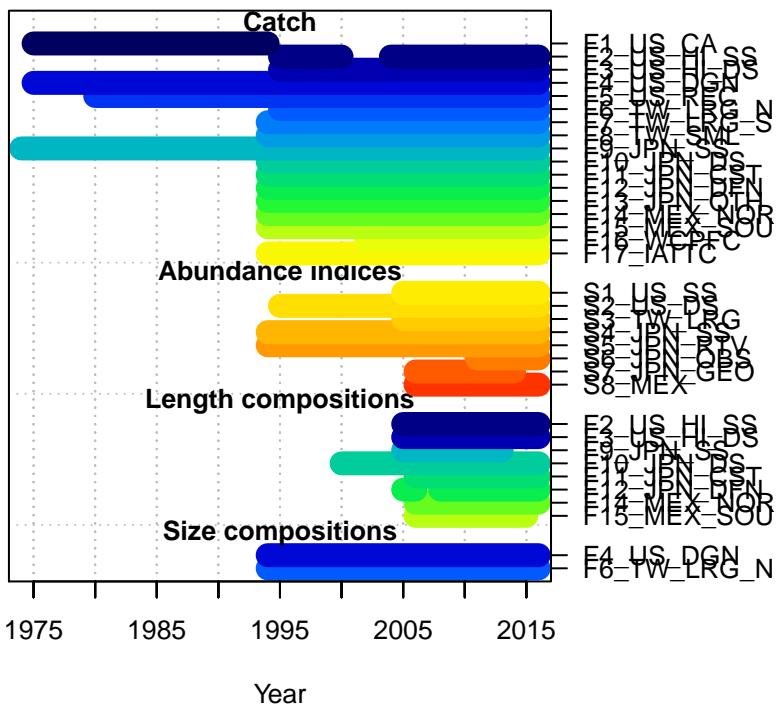
F4_US_DGN (whole catch)



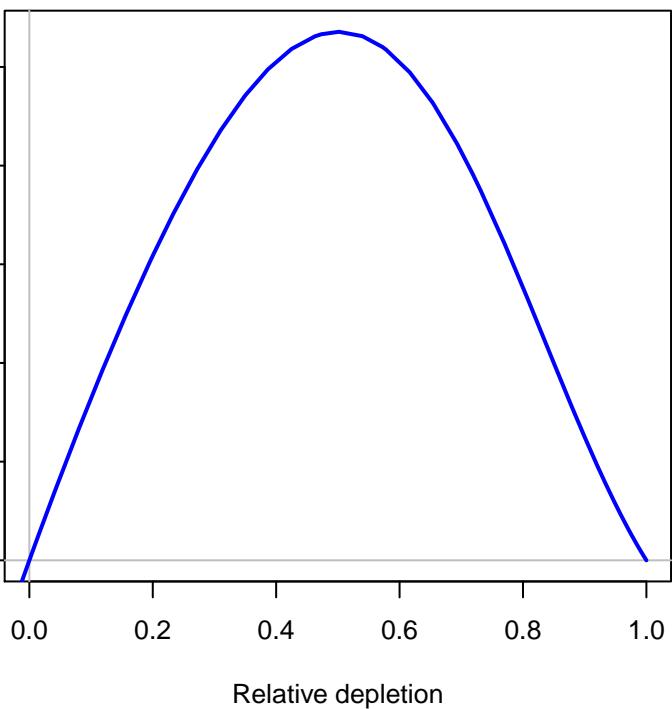
size comps, whole catch, aggregated across time by fleet



Data by type and year



Equilibrium yield (mt)



Surplus production (mt)

