

Plots created using the 'r4ss' package in R

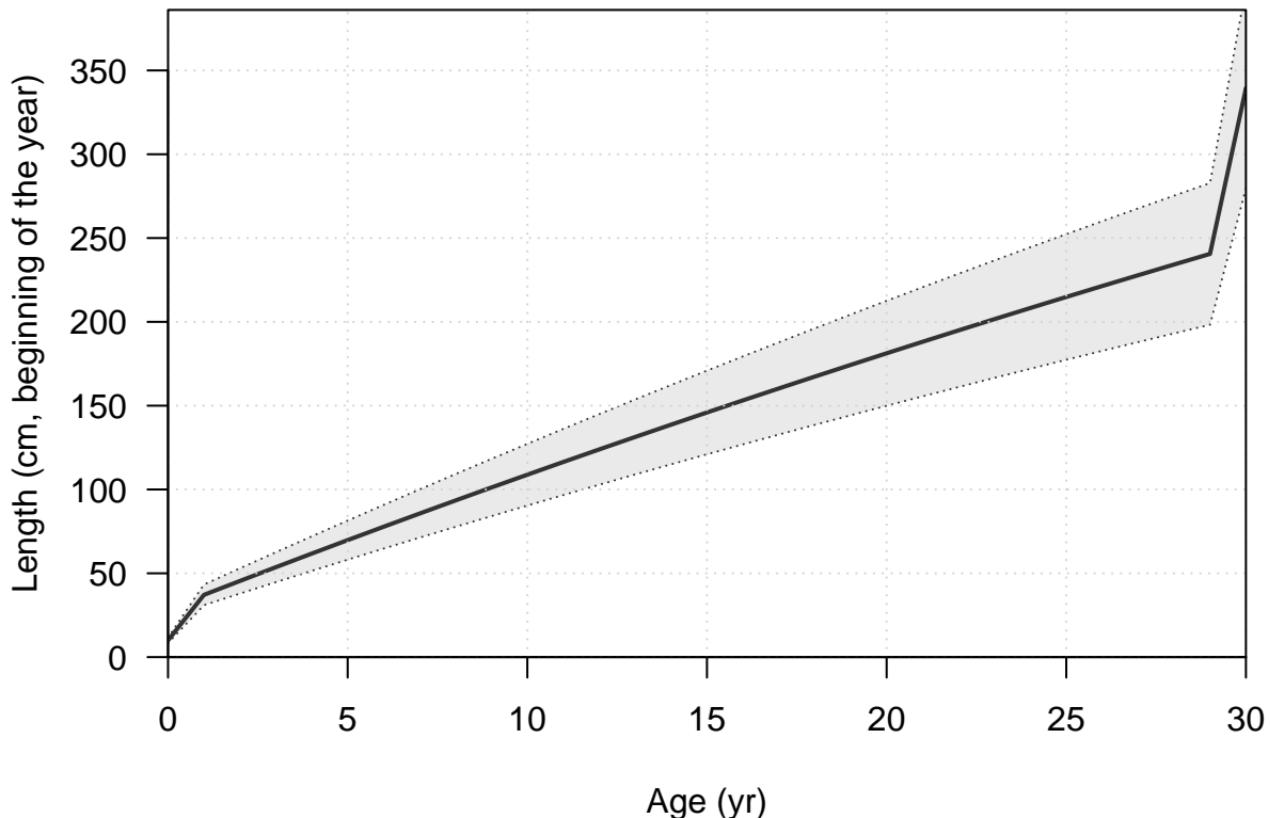
Stock Synthesis version: SS-V3.24j

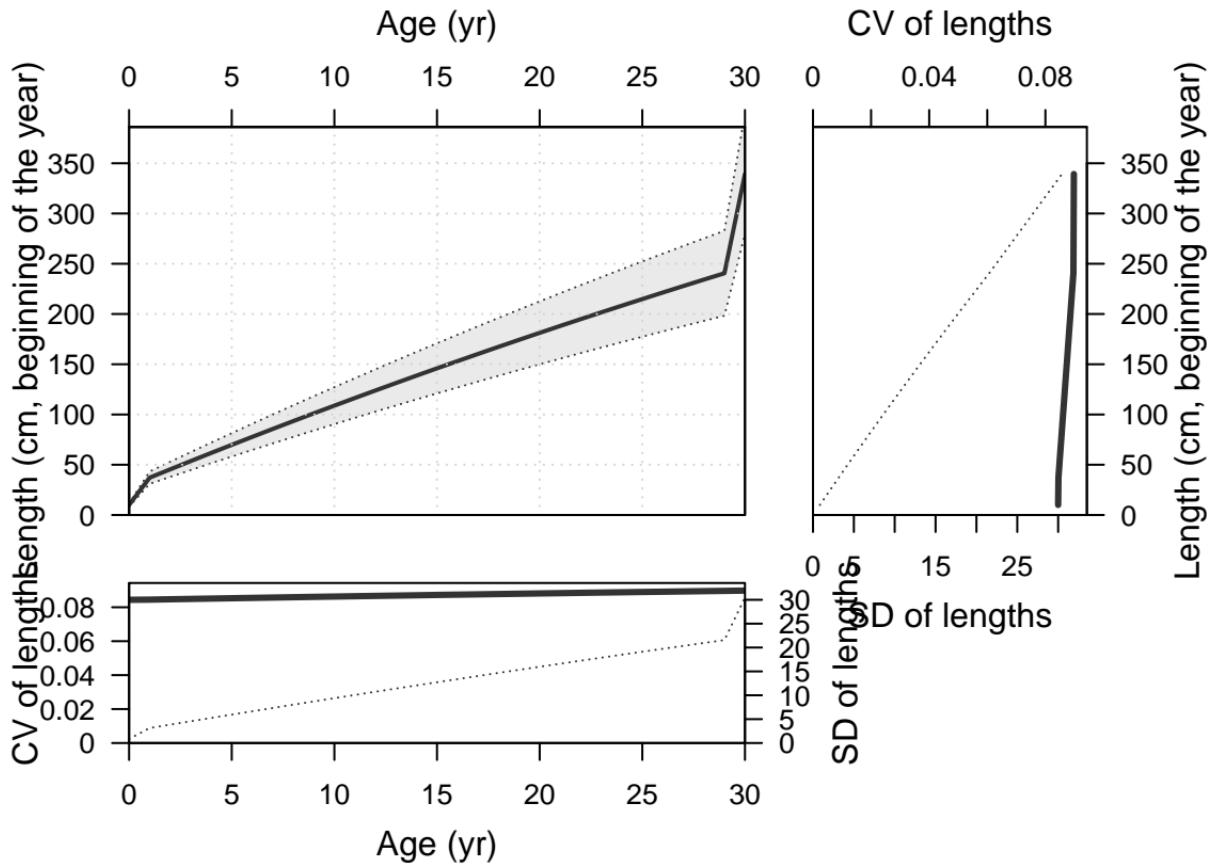
StartTime: Tue Jul 25 18:45:06 2017

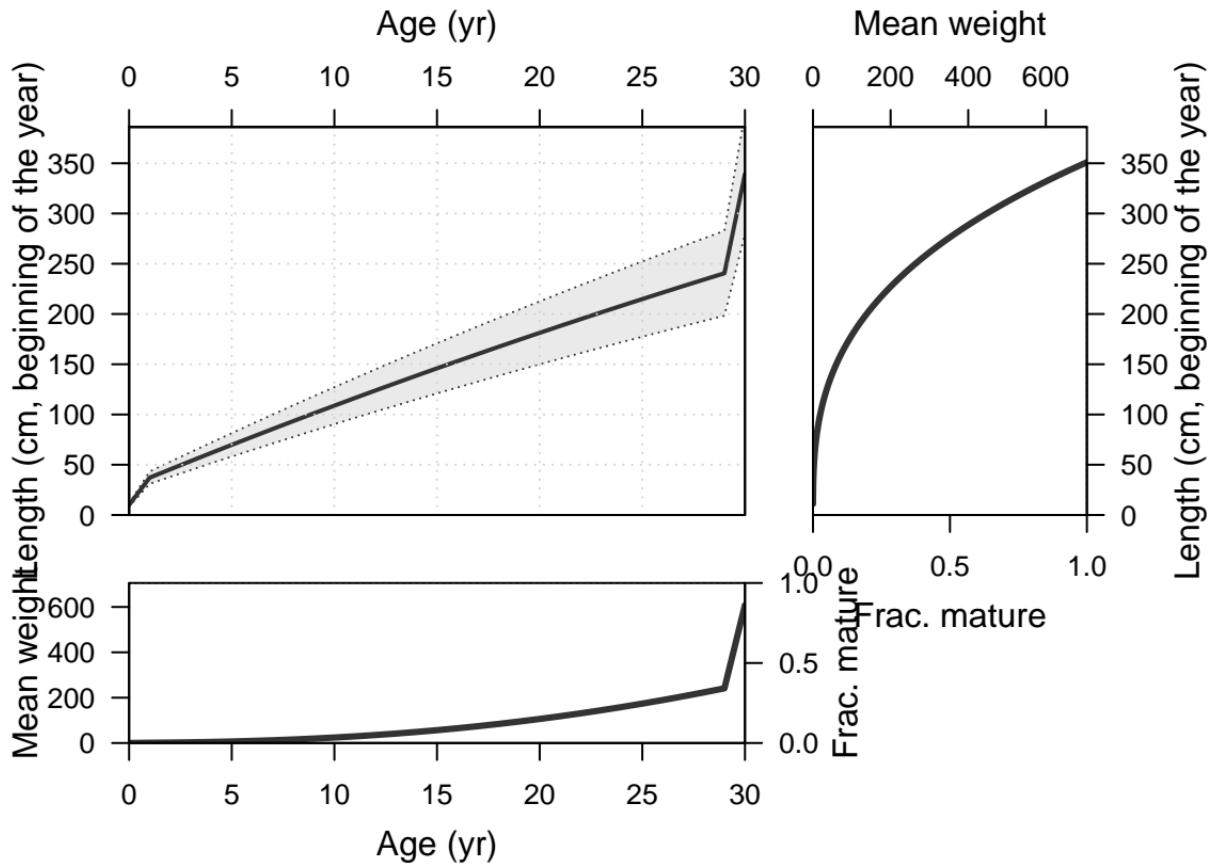
Data_File: complex.dat

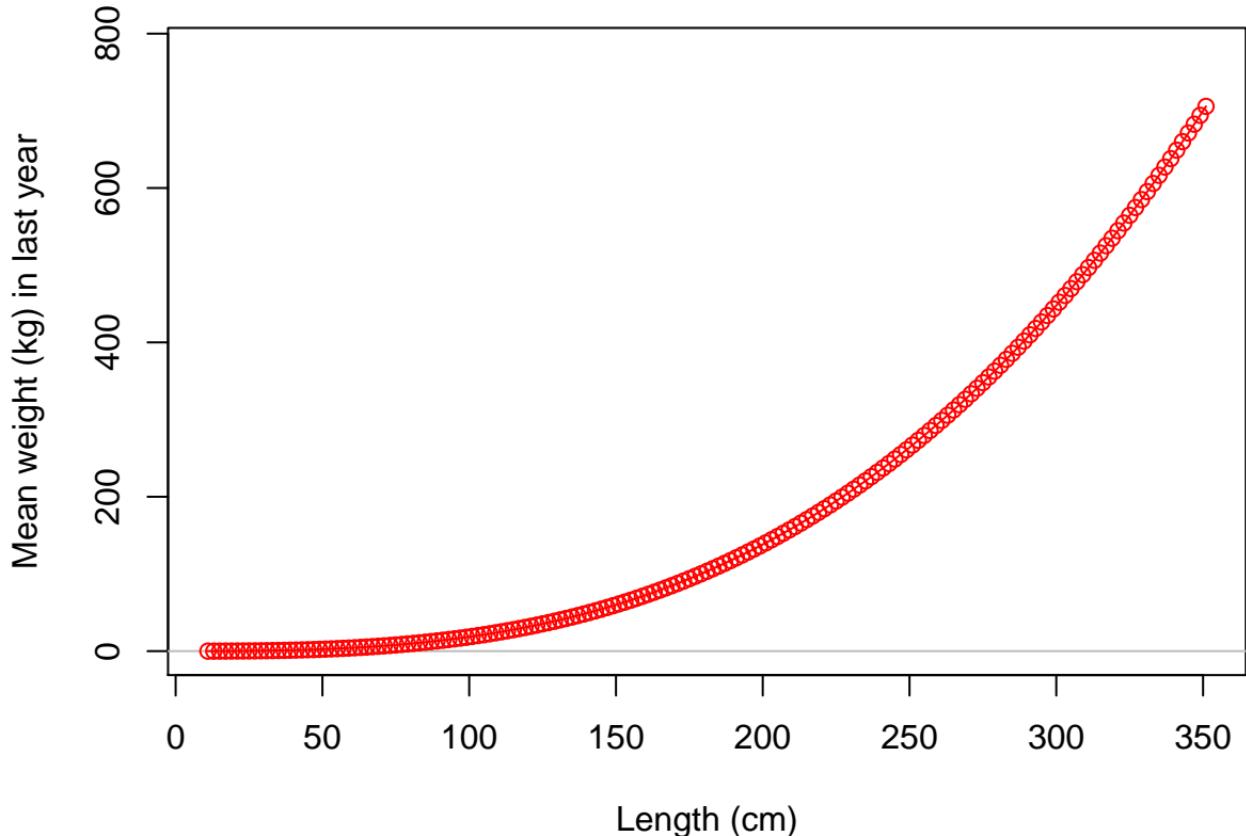
Control_File: complex.ctl

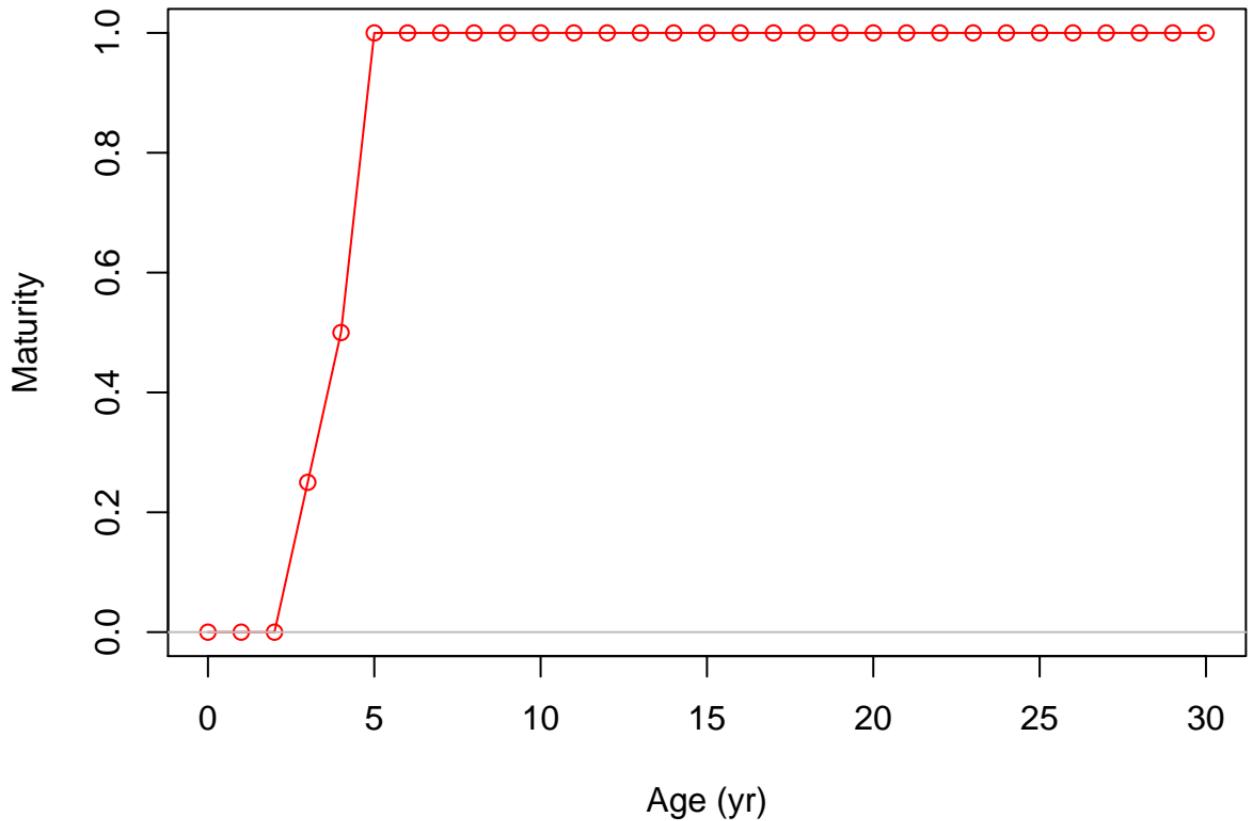
Ending year expected growth (with 95% intervals)

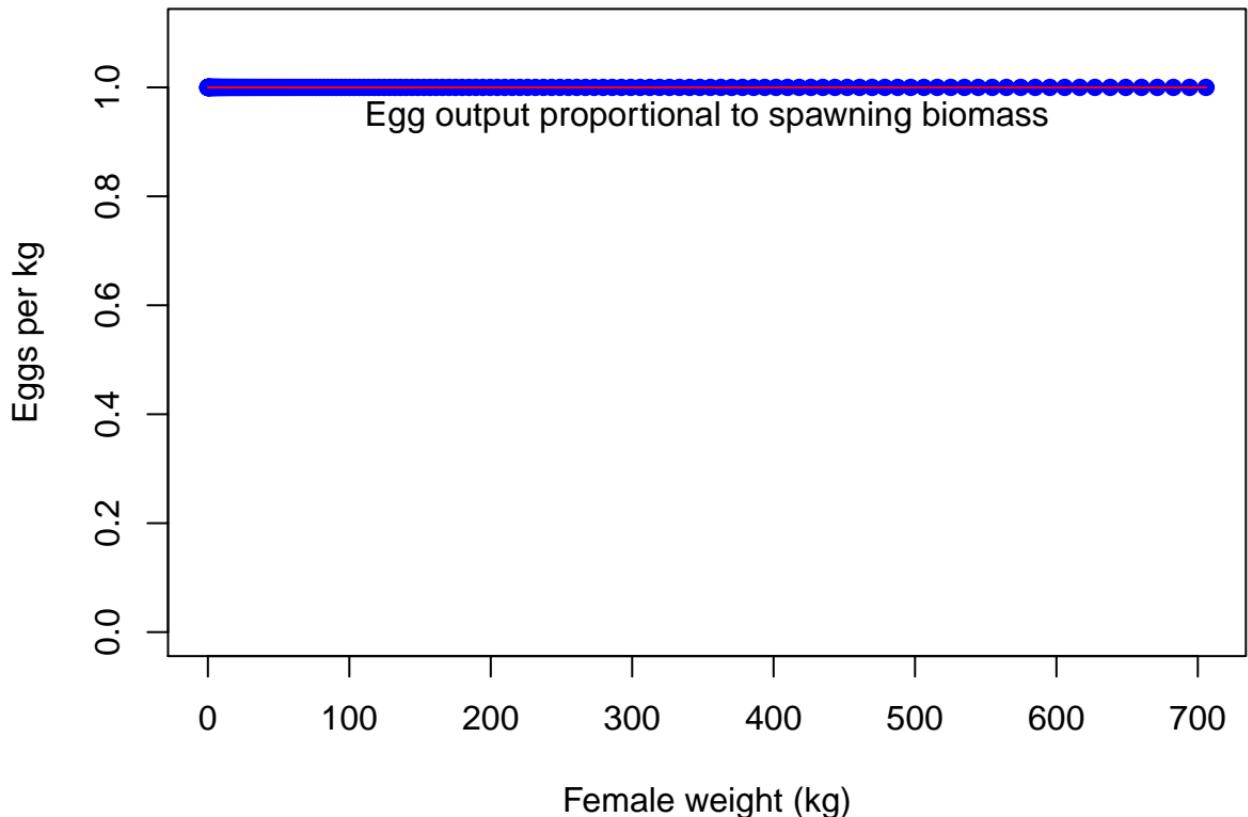


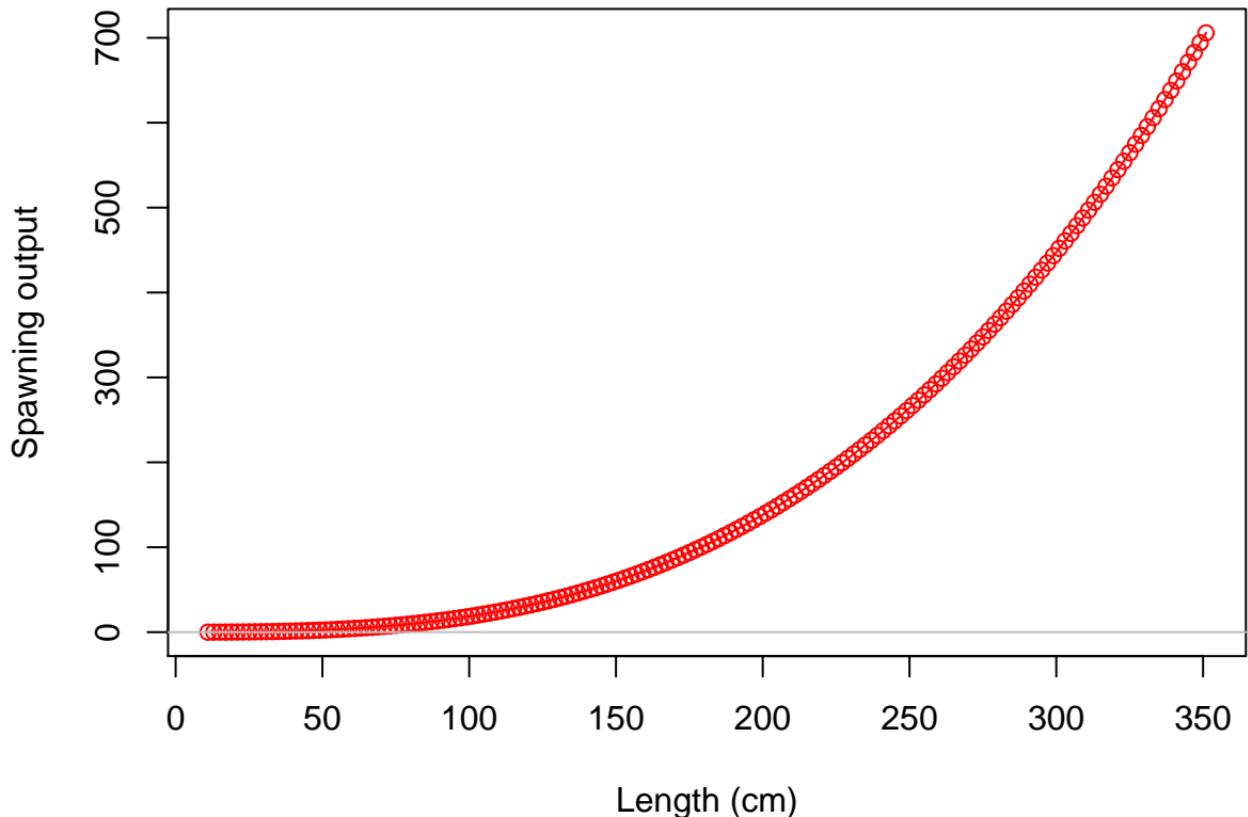




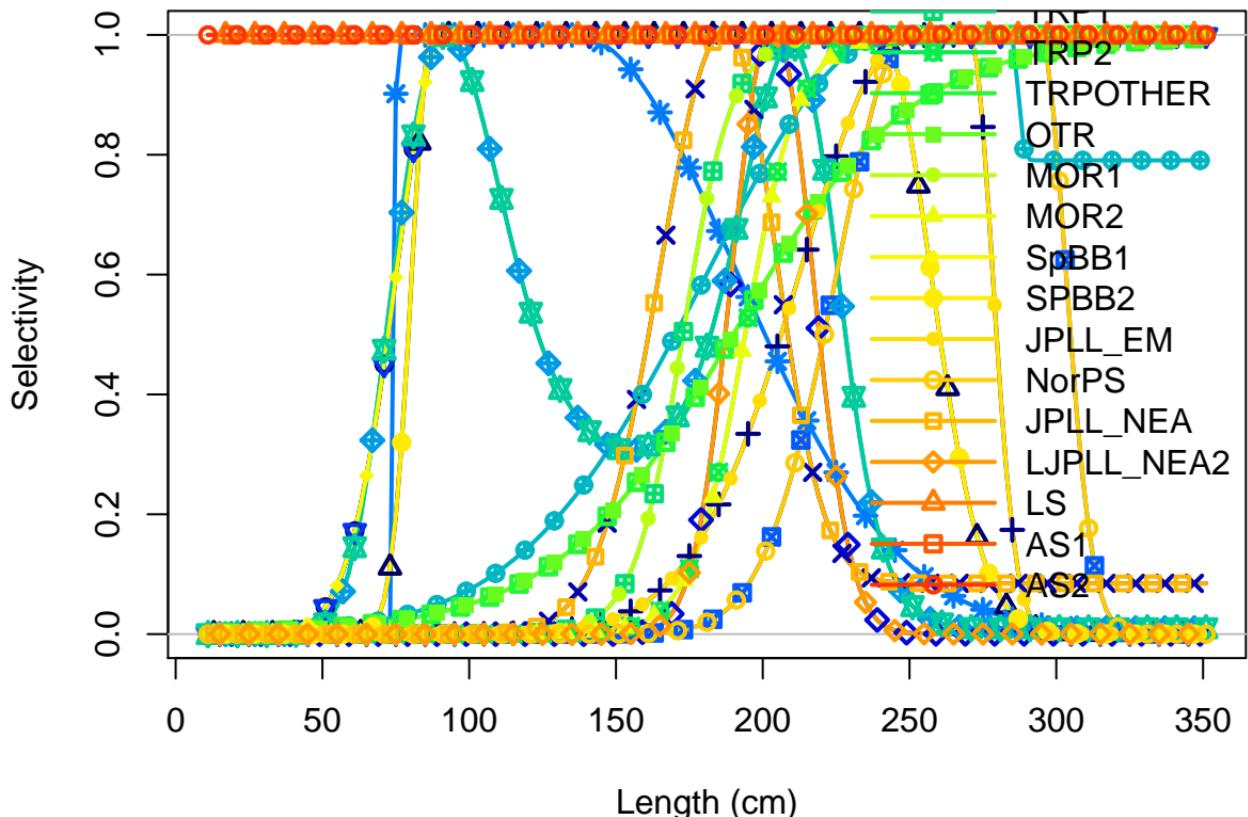




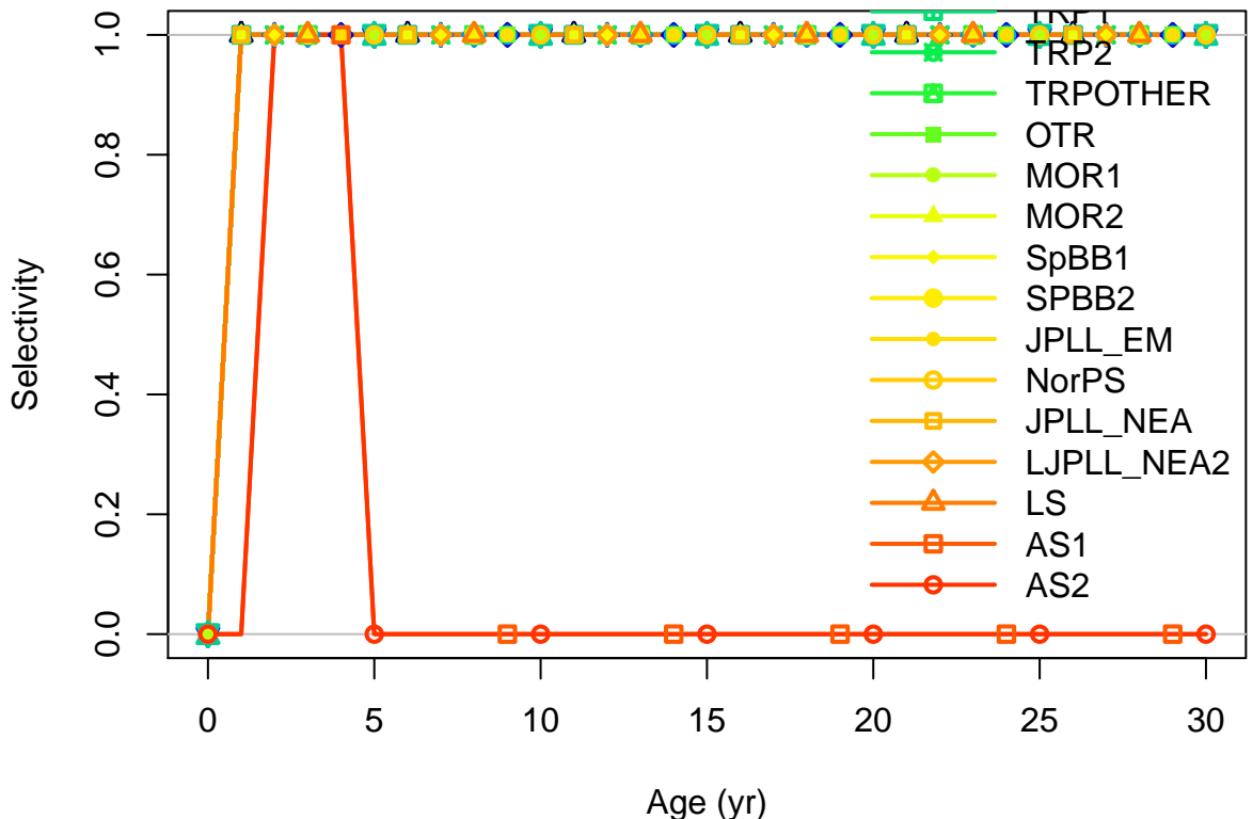




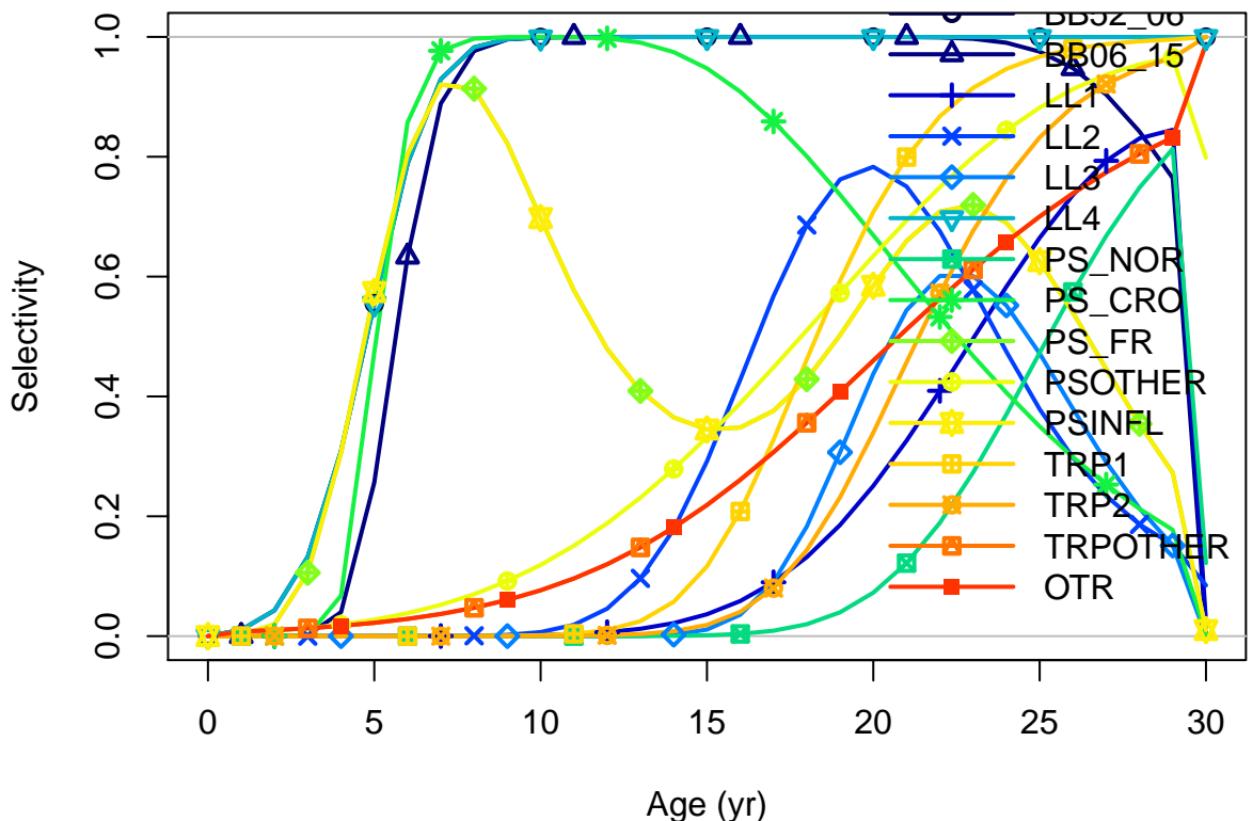
Length-based selectivity by fleet in 2016



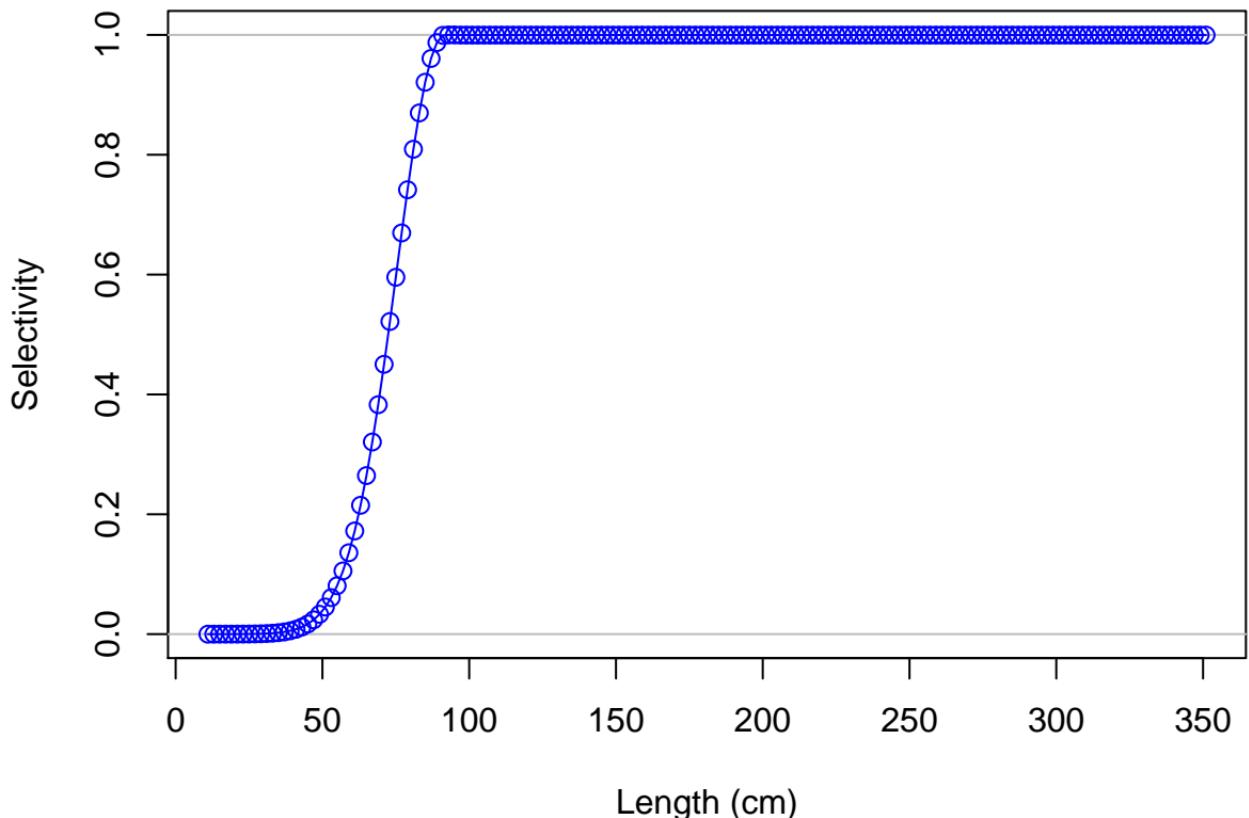
Age-based selectivity by fleet in 2016



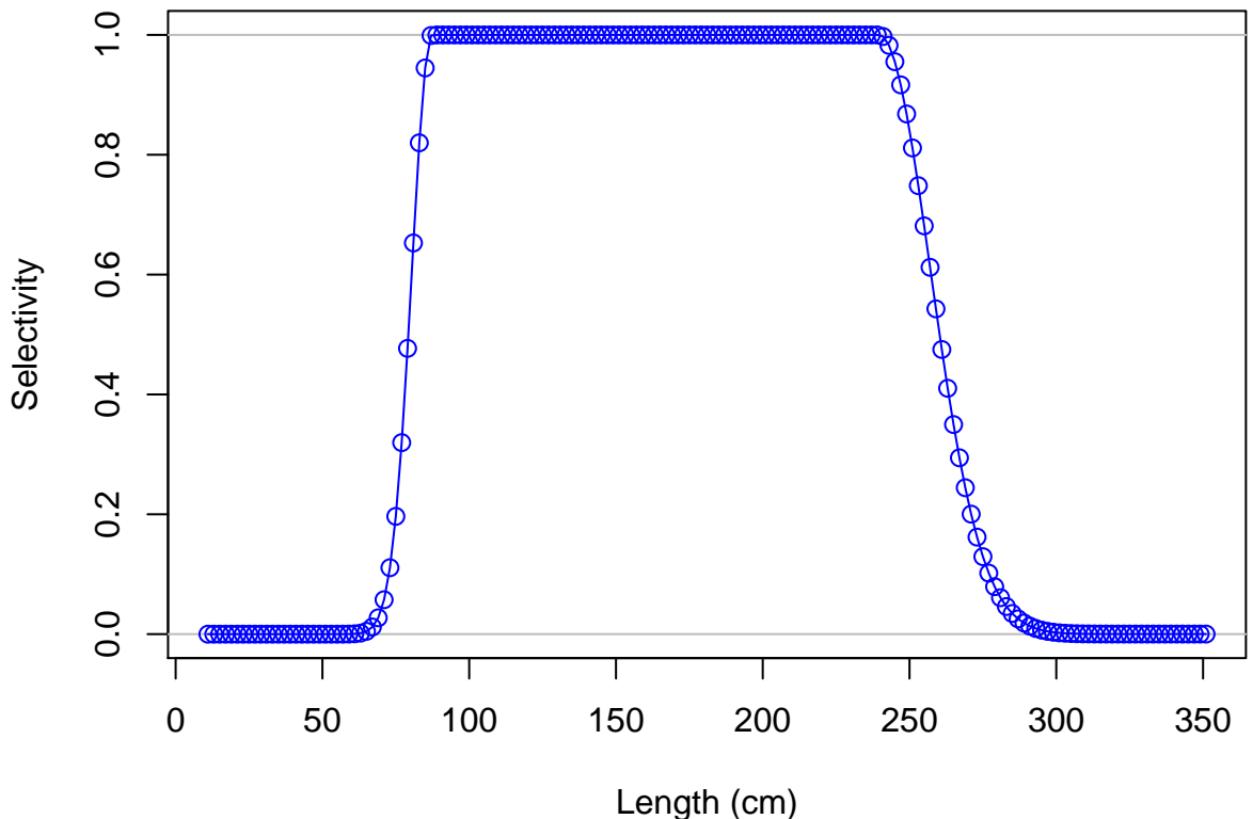
Derived age-based from length-based selectivity by fleet in 2016



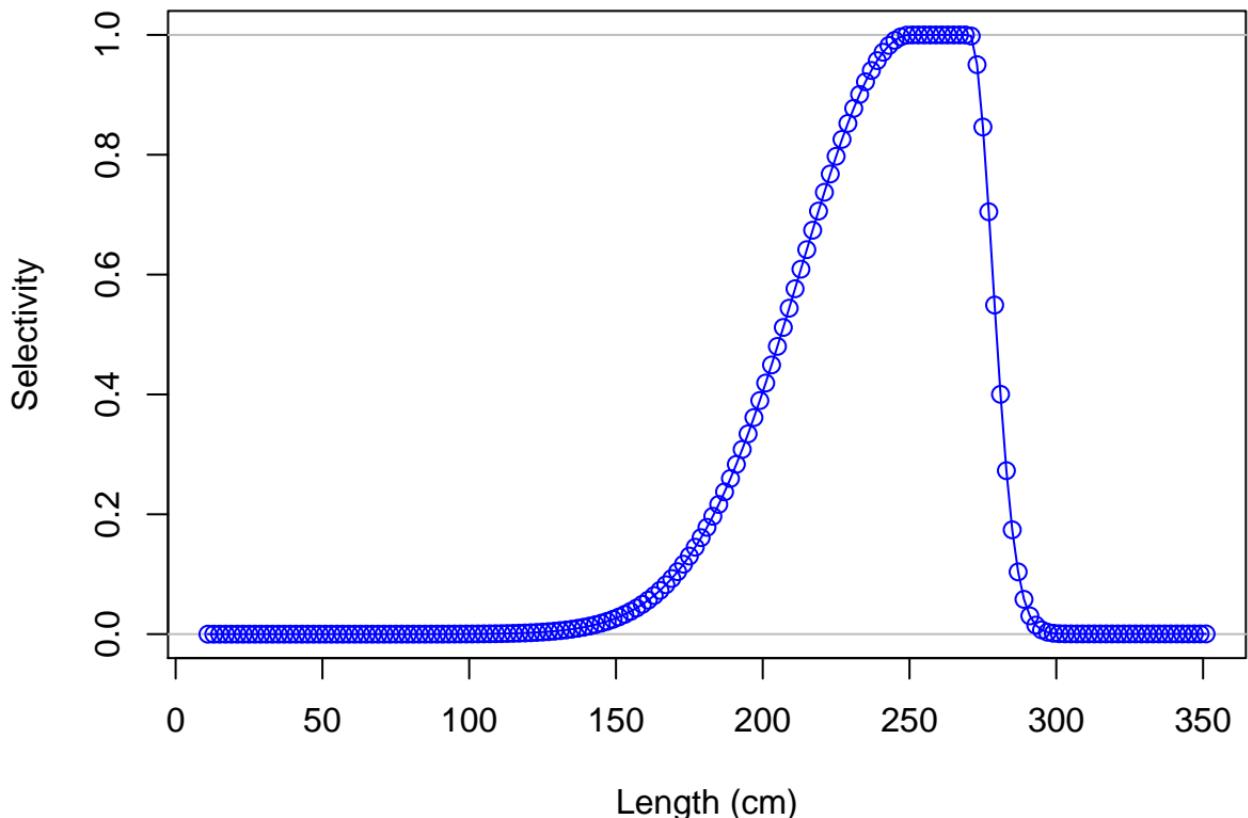
Ending year selectivity for BB52_06



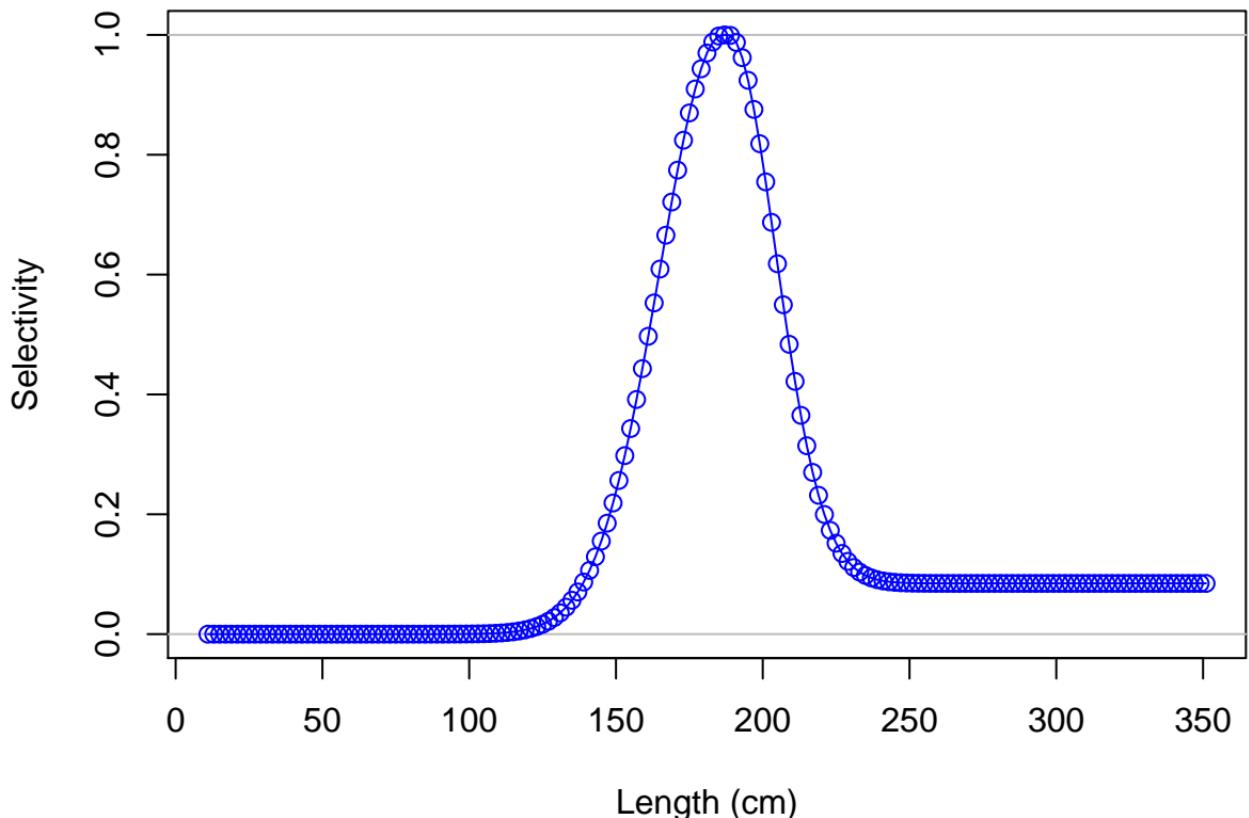
Ending year selectivity for BB06_15



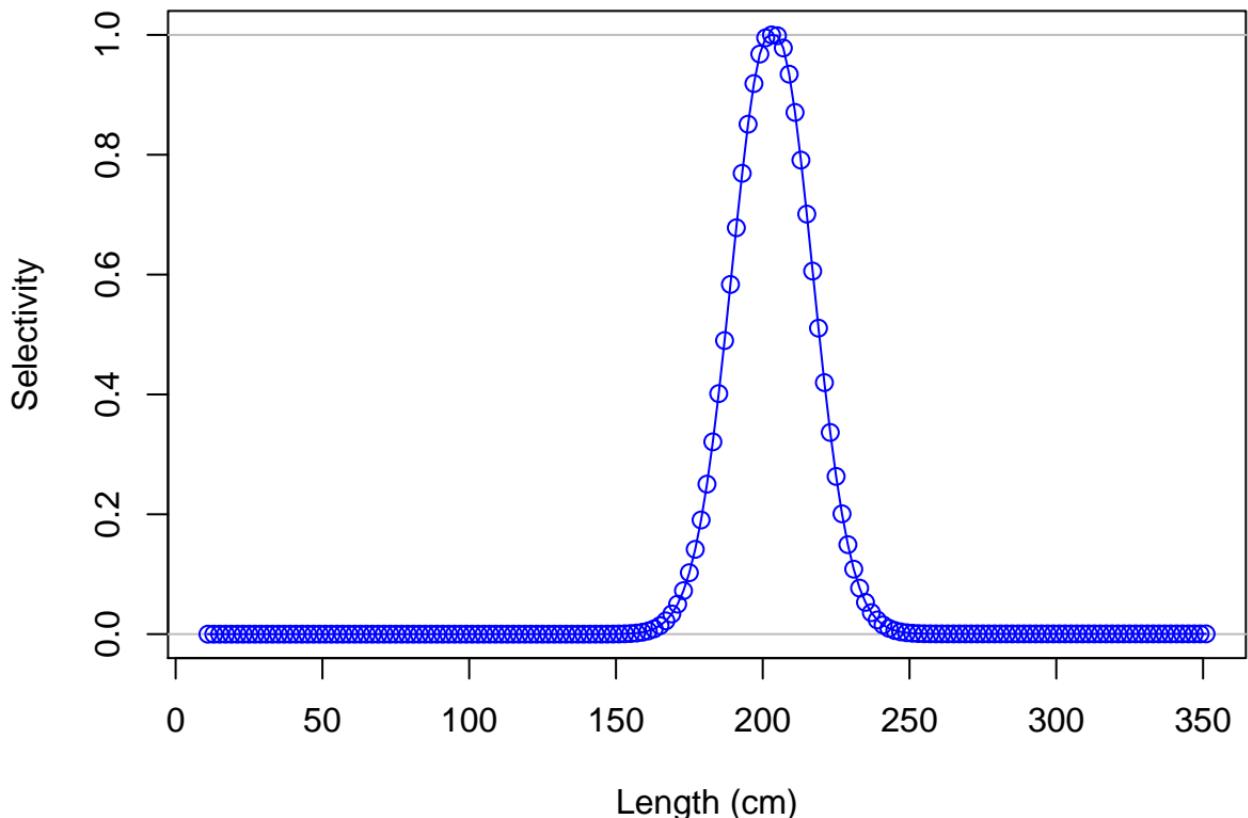
Ending year selectivity for LL1



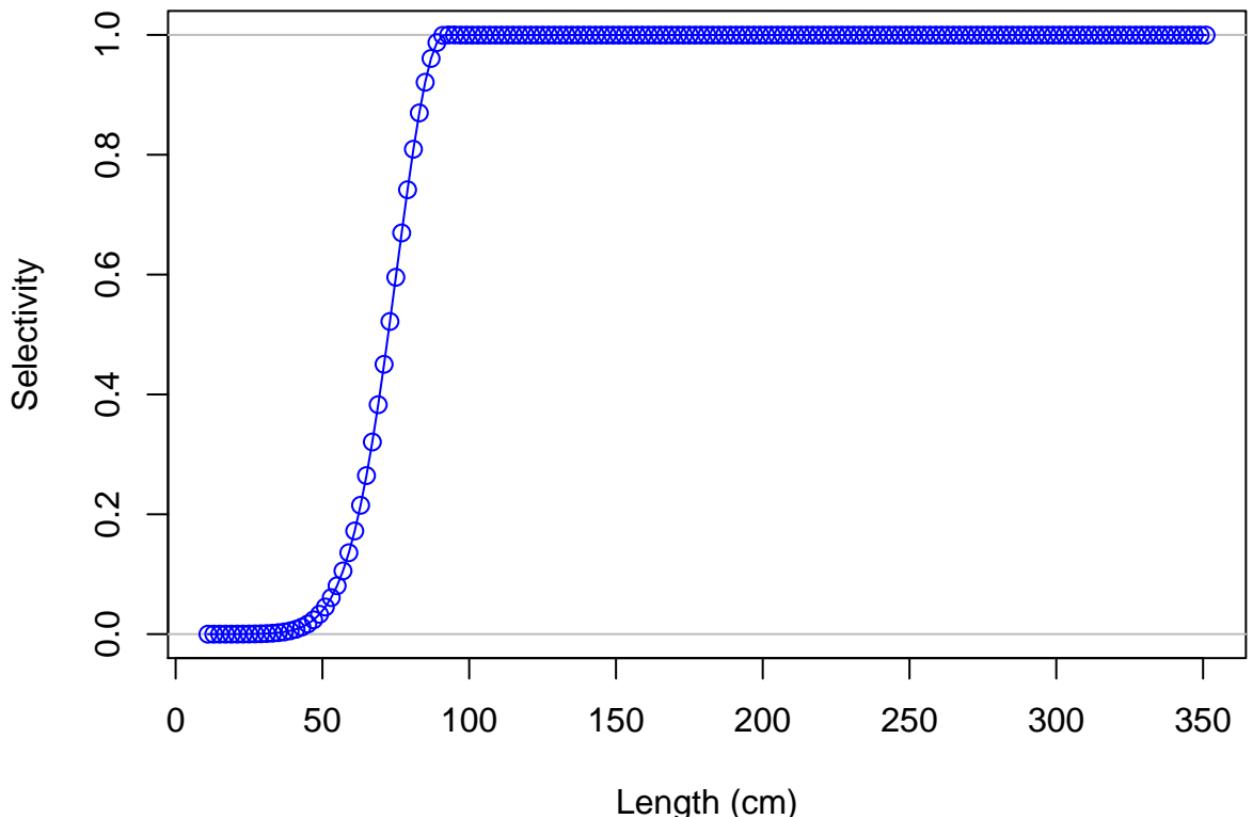
Ending year selectivity for LL2



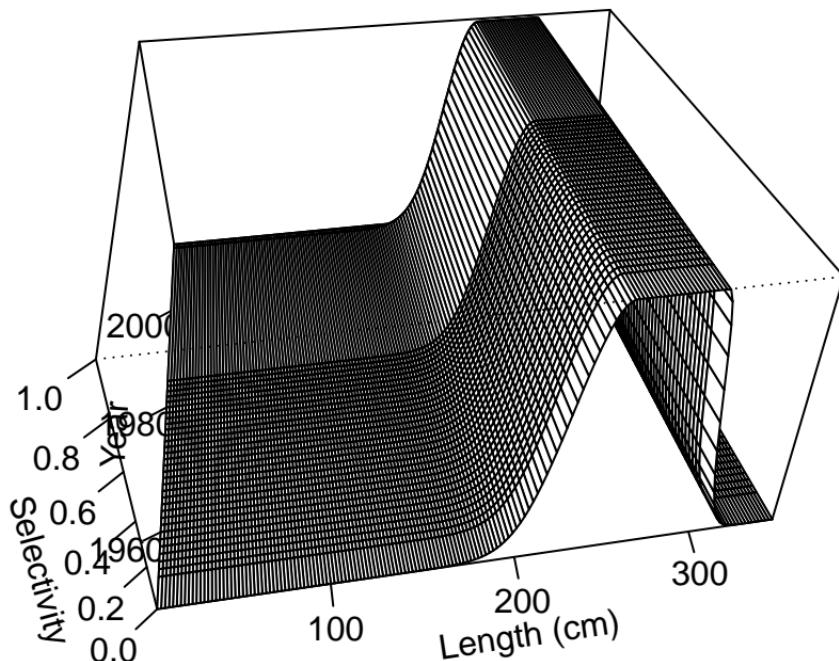
Ending year selectivity for LL3



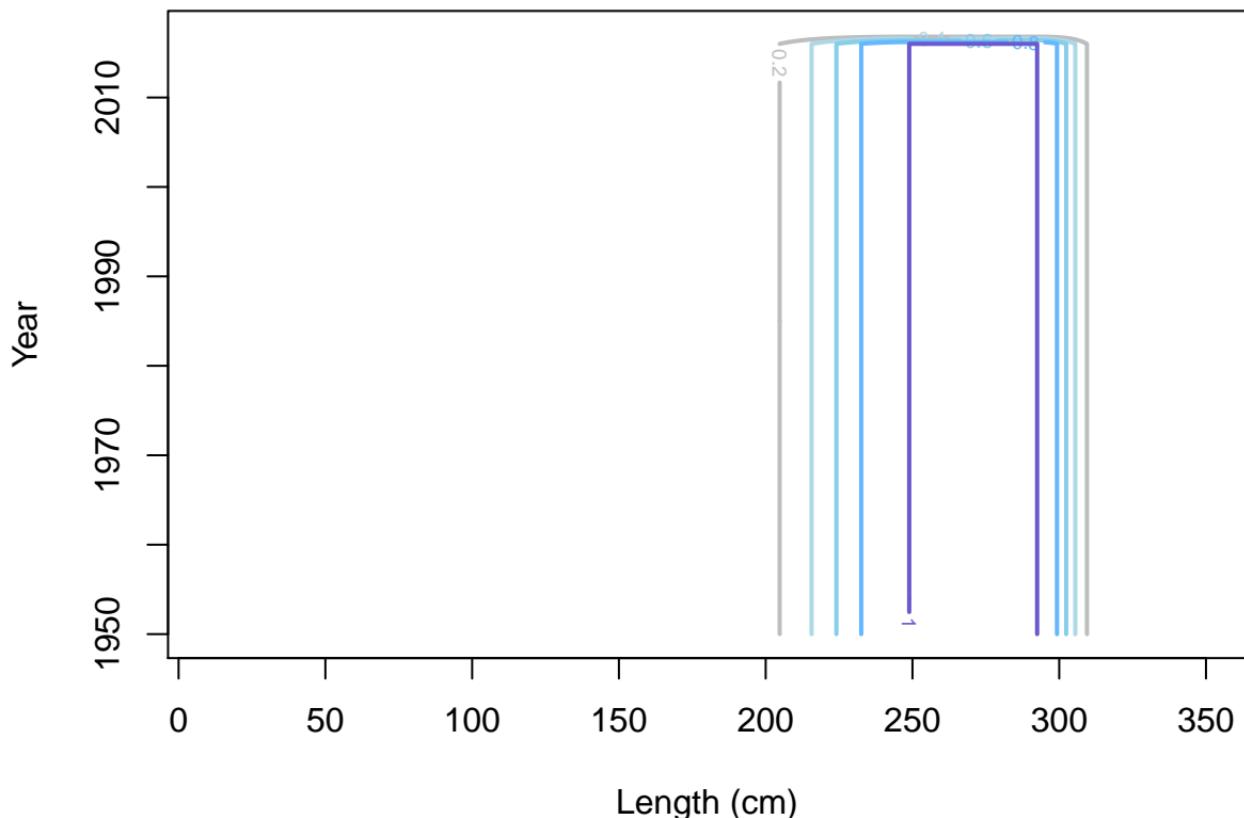
Ending year selectivity for LL4



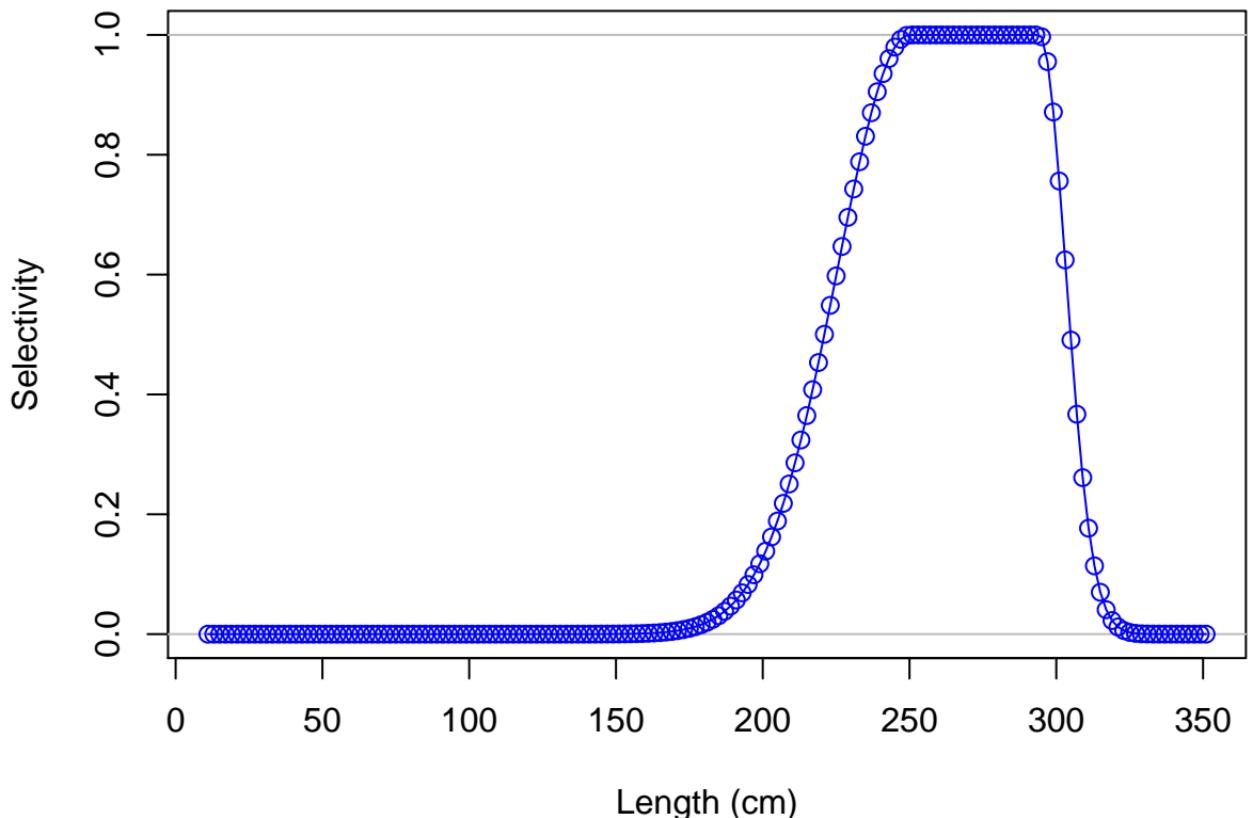
Time-varying selectivity for PS_NOR



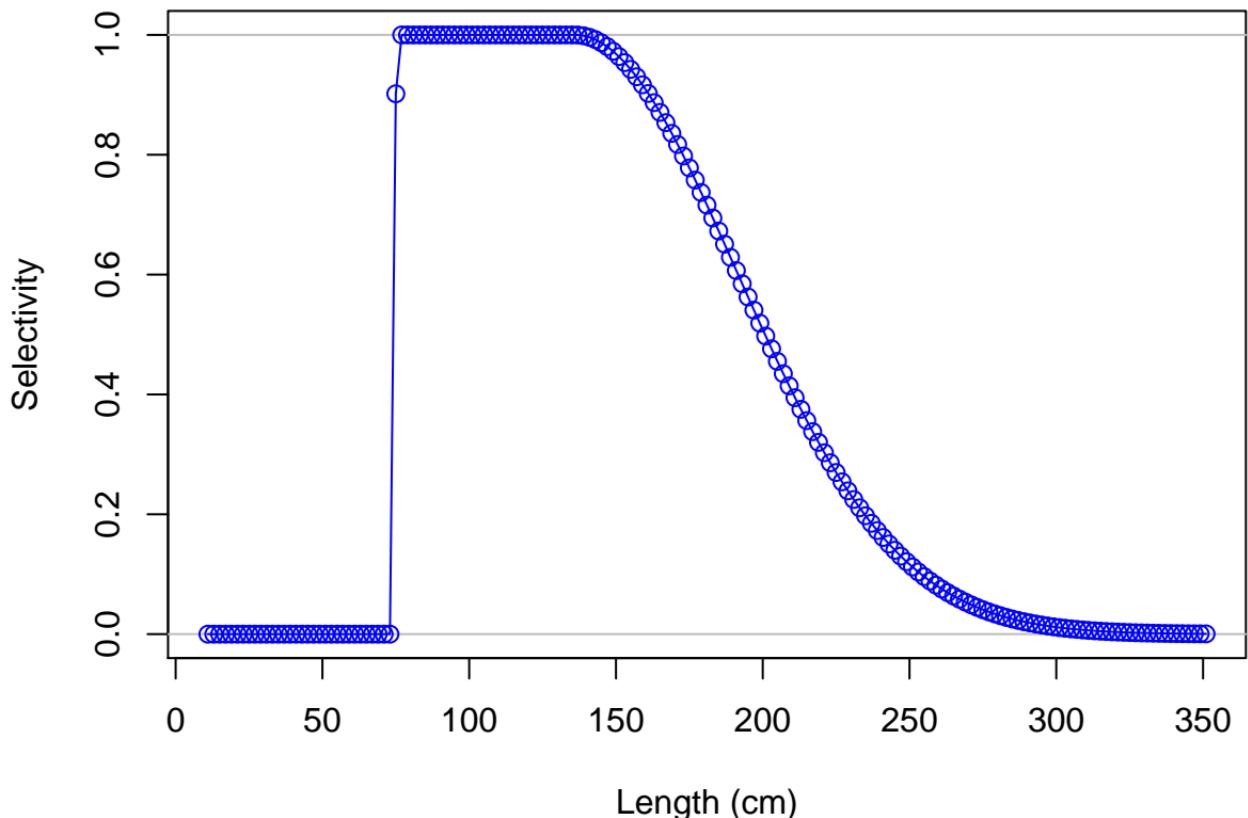
Time-varying selectivity for PS_NOR



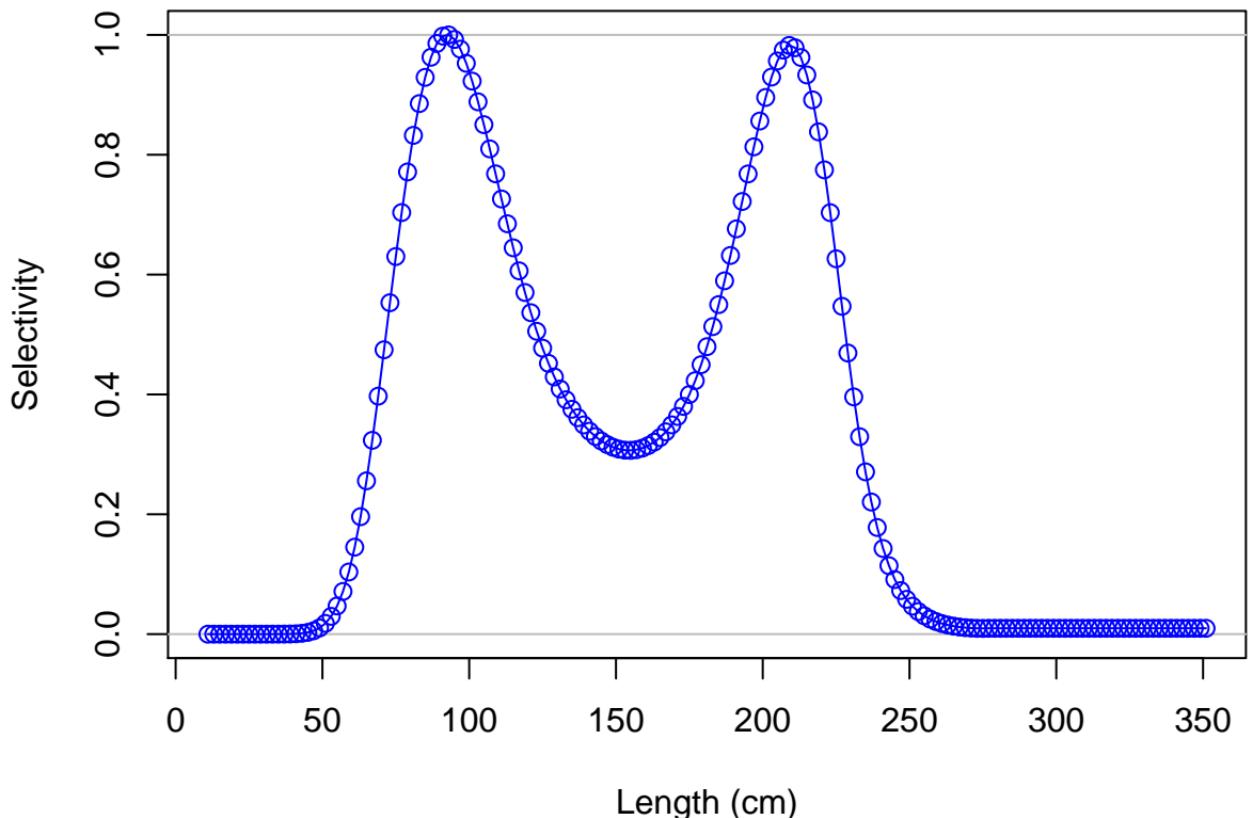
Ending year selectivity for PS_NOR



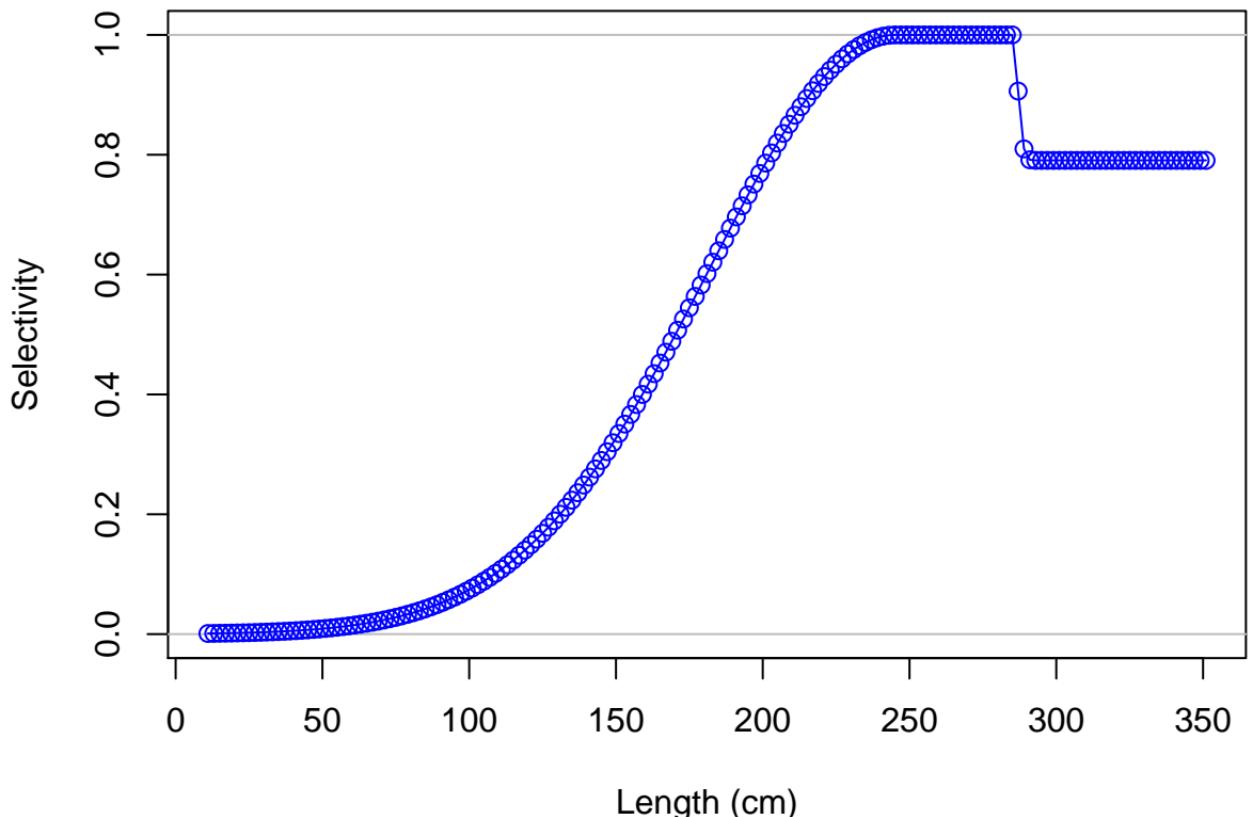
Ending year selectivity for PS_CRO



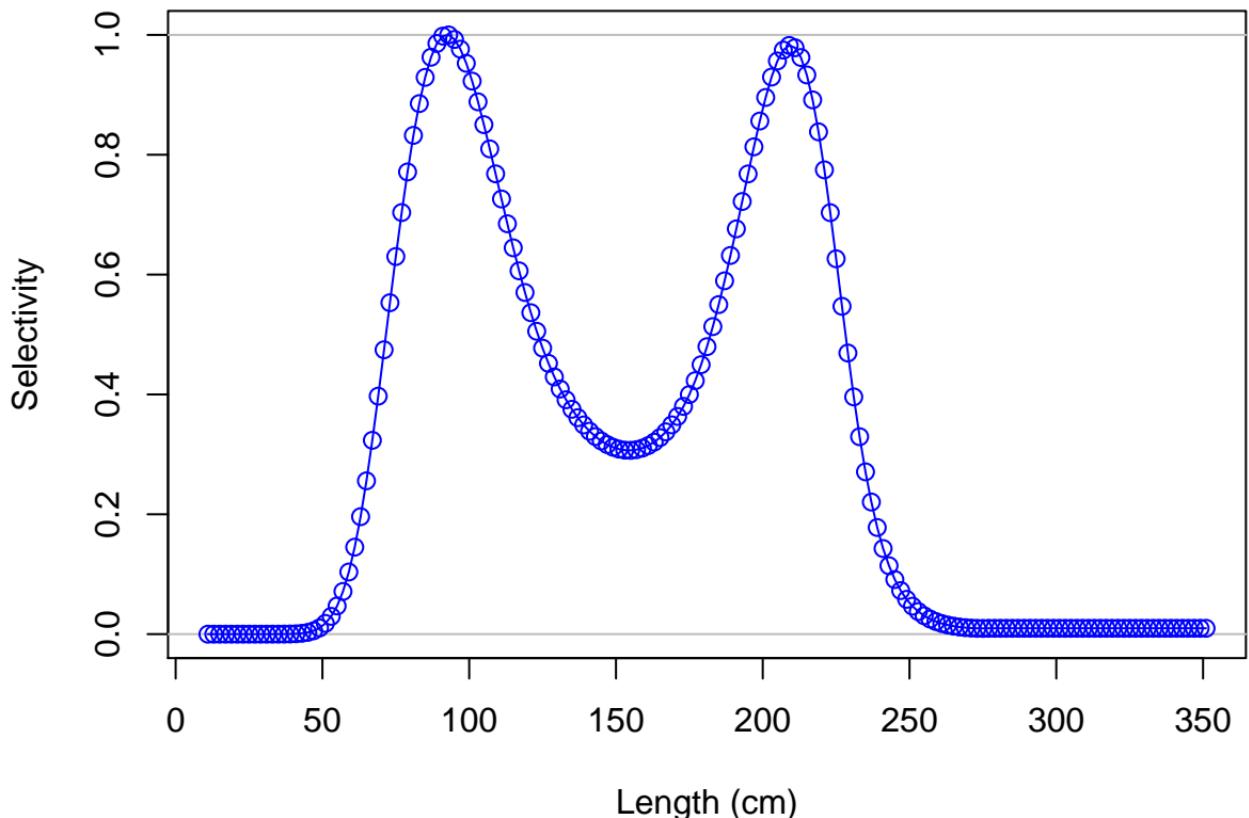
Ending year selectivity for PS_FR



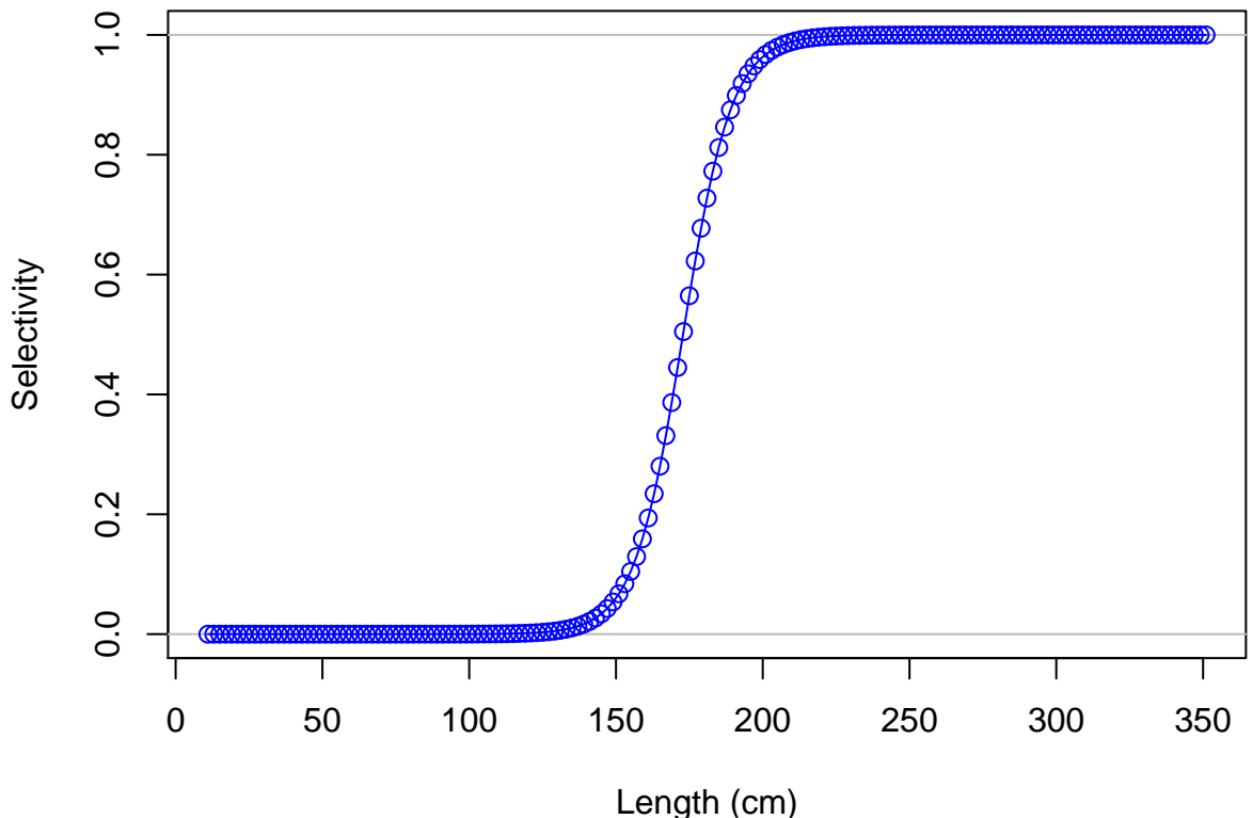
Ending year selectivity for PSOTHER



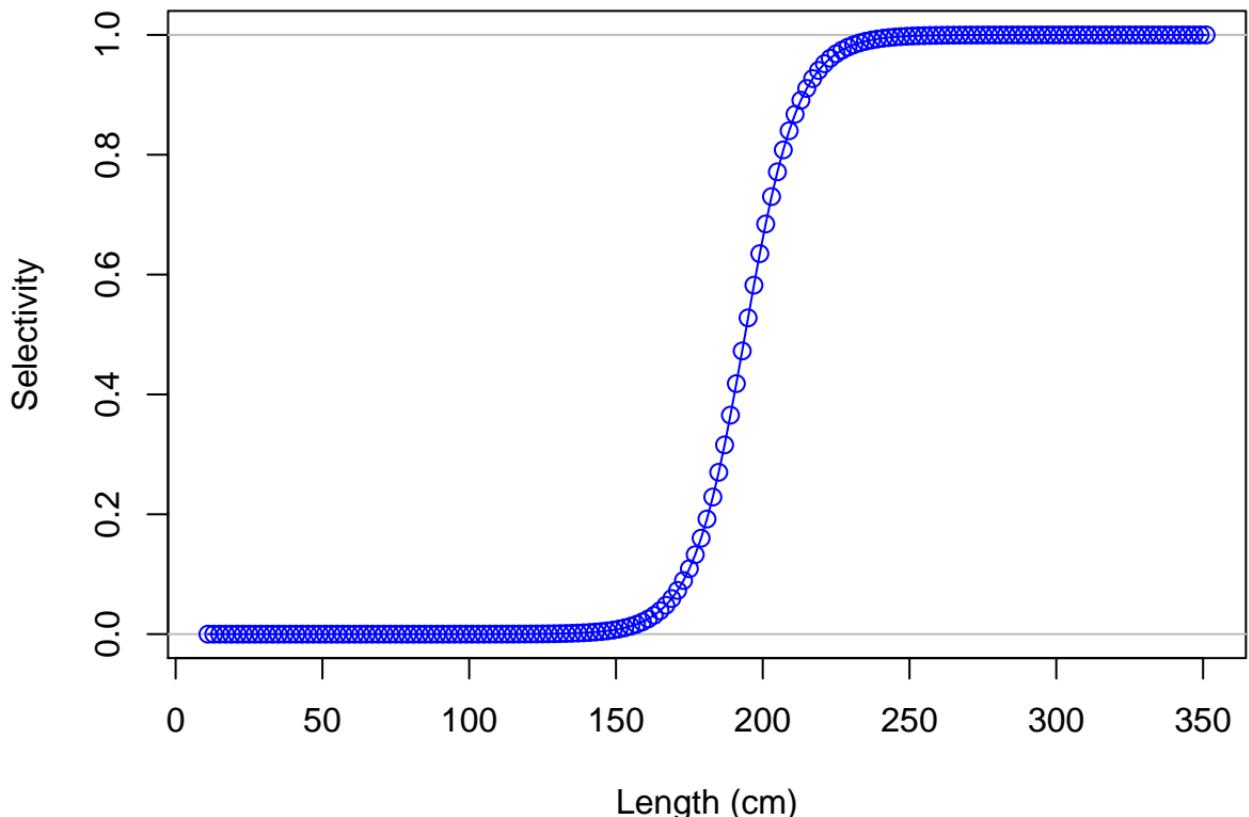
Ending year selectivity for PSINFL



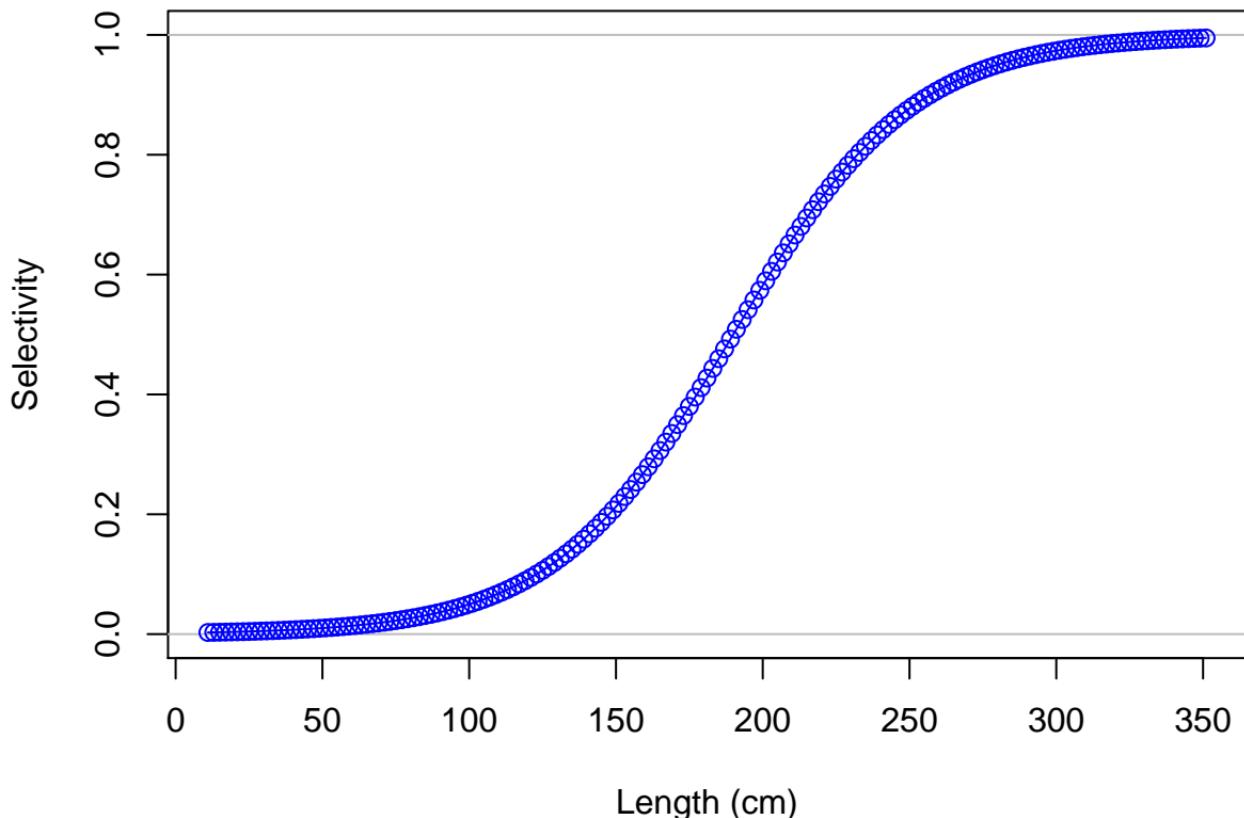
Ending year selectivity for TRP1



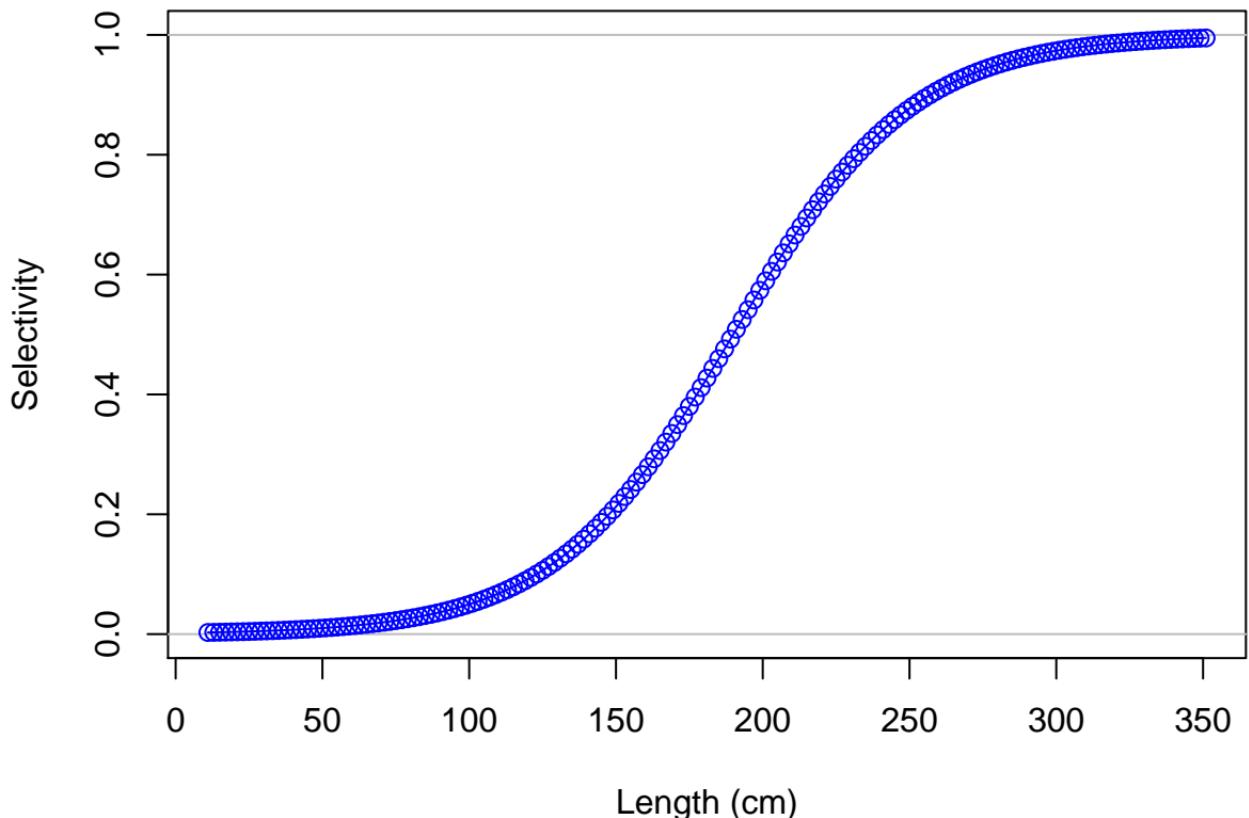
Ending year selectivity for TRP2



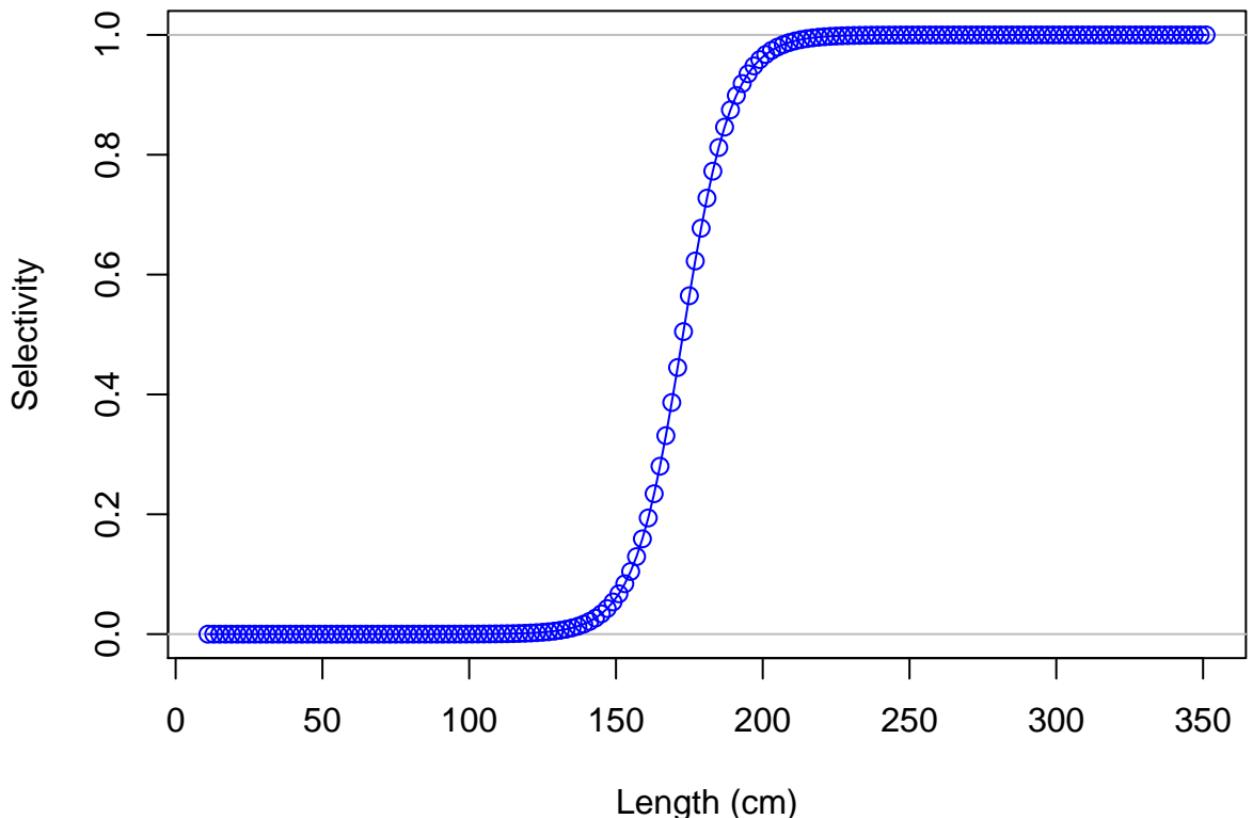
Ending year selectivity for TRPOTHER



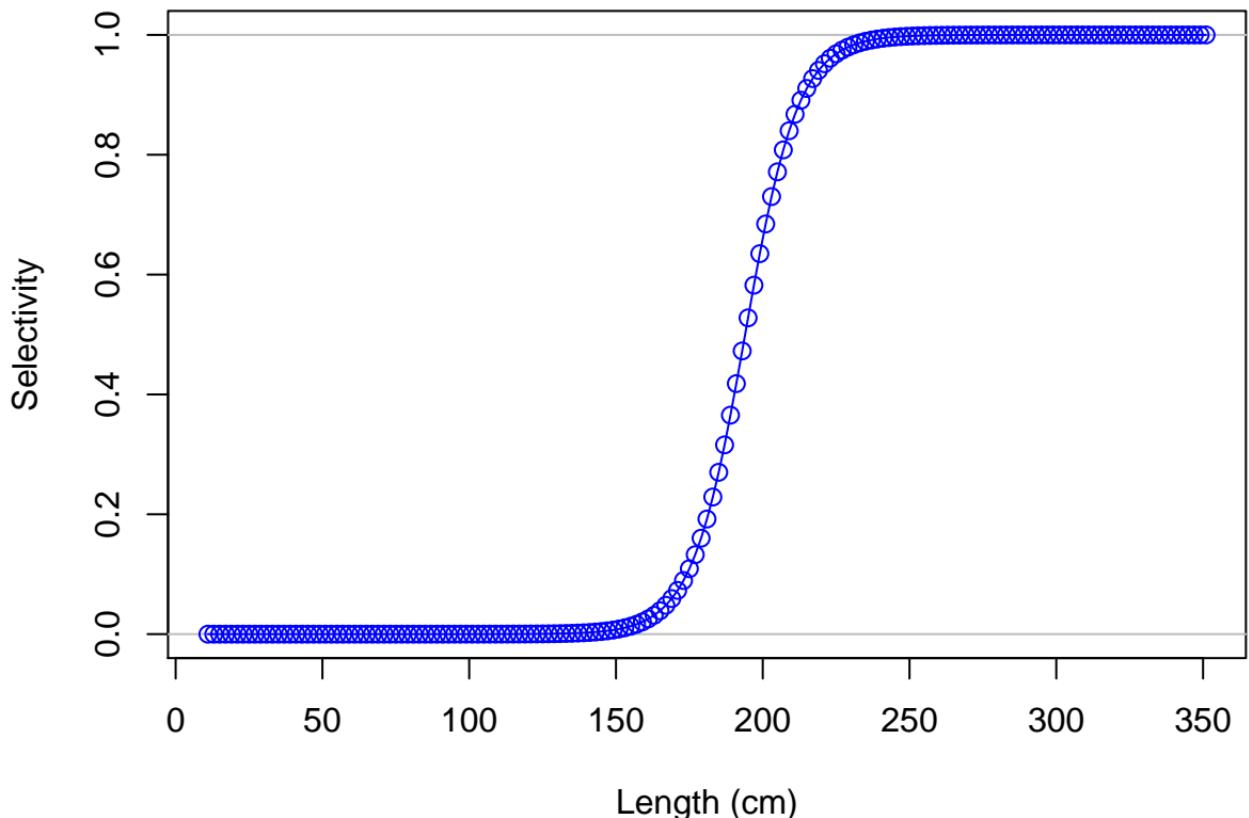
Ending year selectivity for OTR



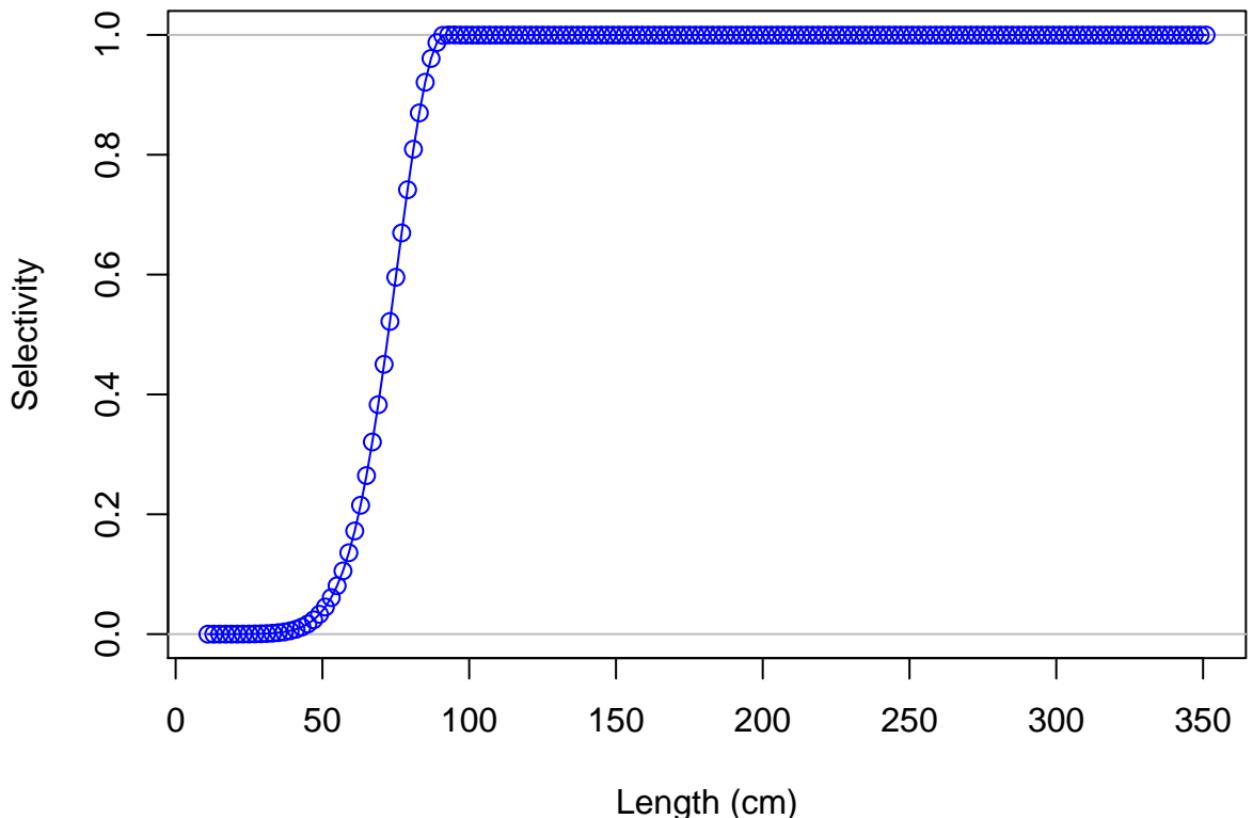
Ending year selectivity for MOR1



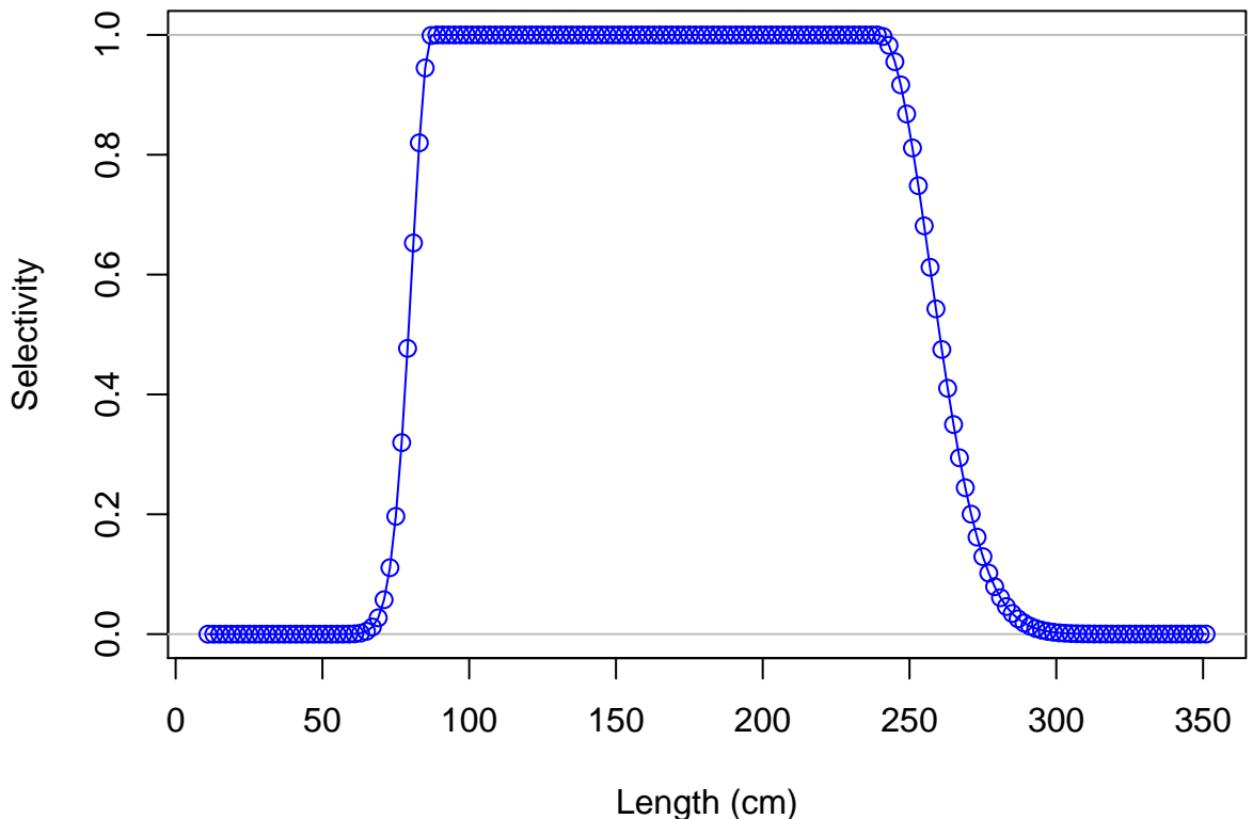
Ending year selectivity for MOR2



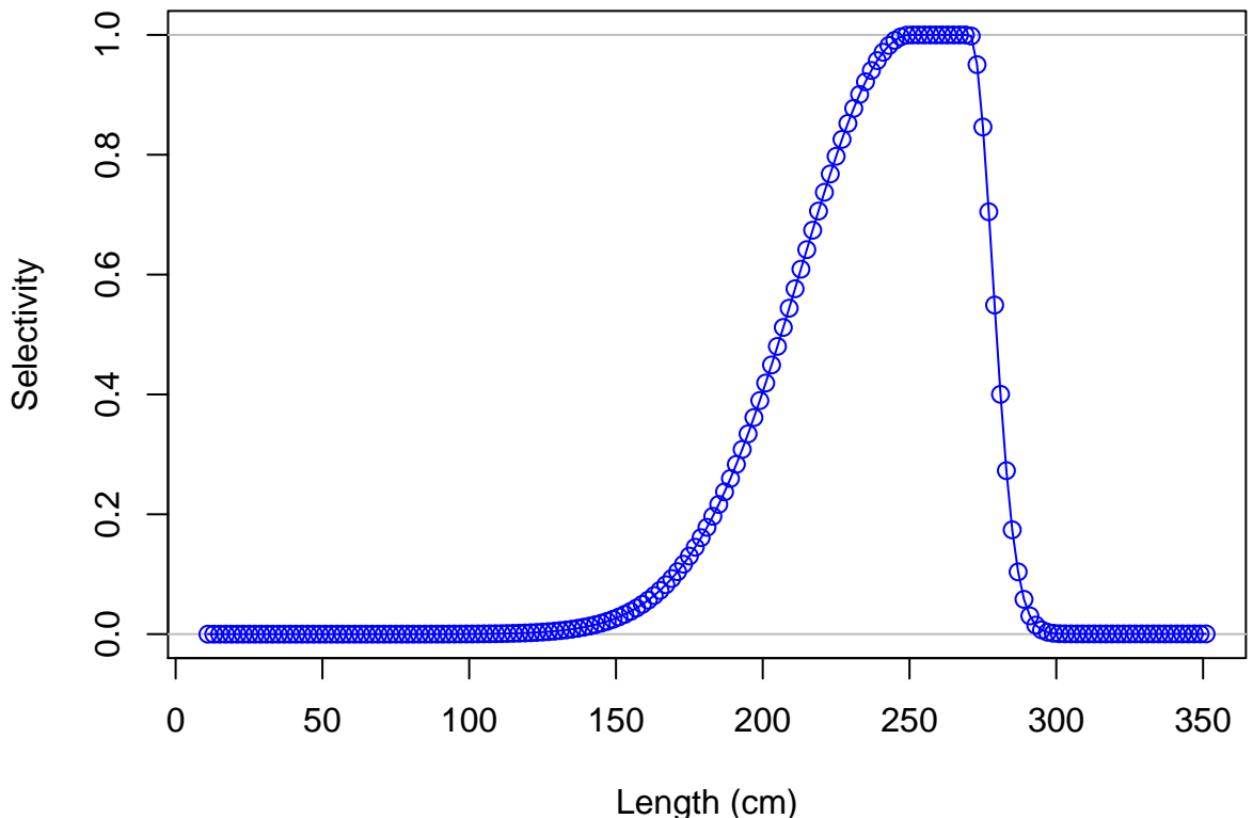
Ending year selectivity for SpBB1



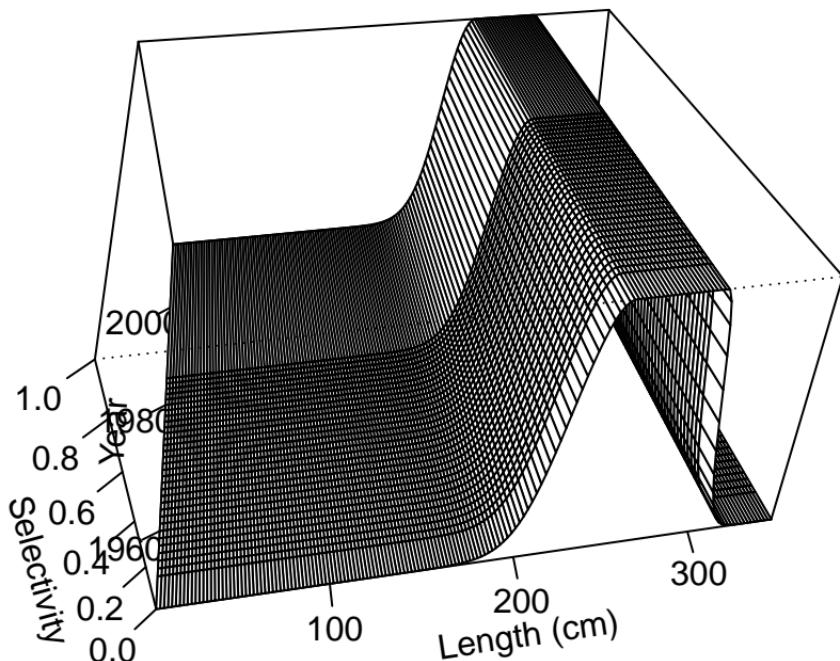
Ending year selectivity for SPBB2



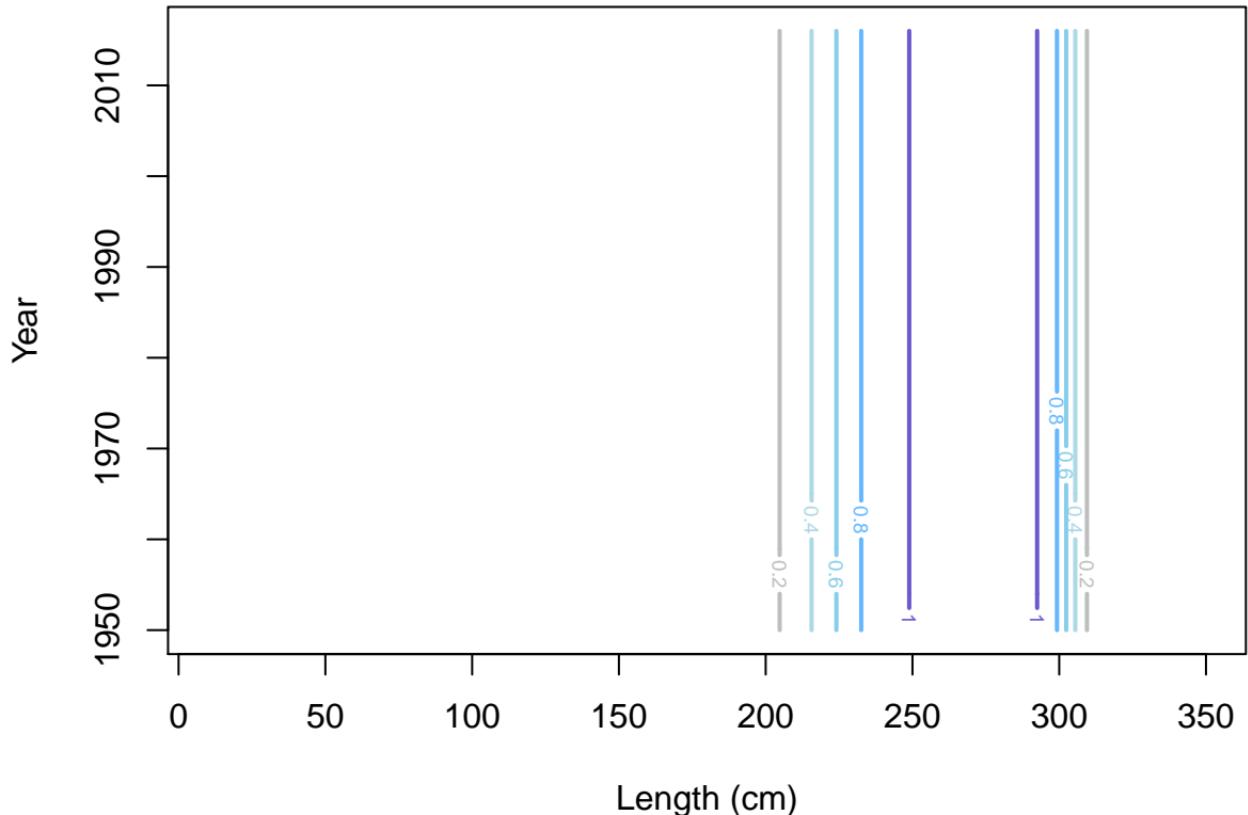
Ending year selectivity for JPLL_EM



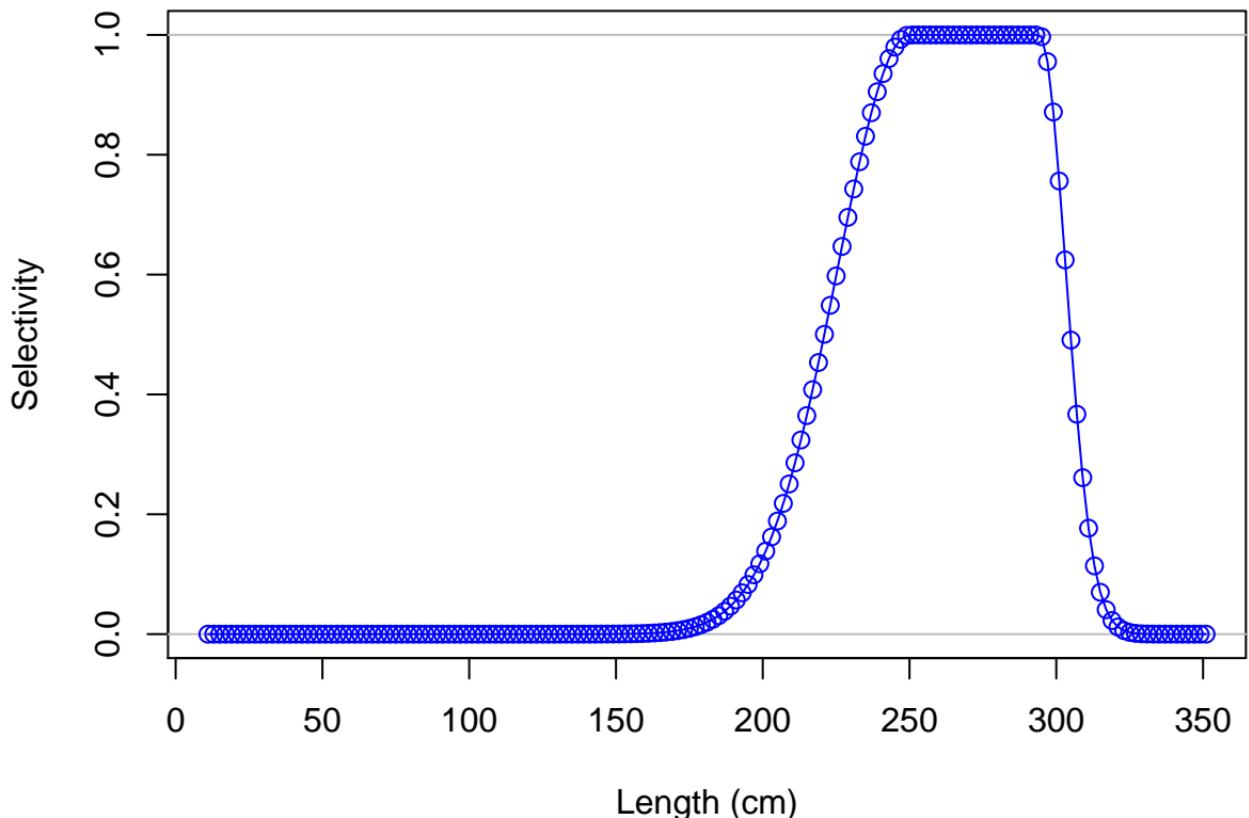
Time-varying selectivity for NorPS



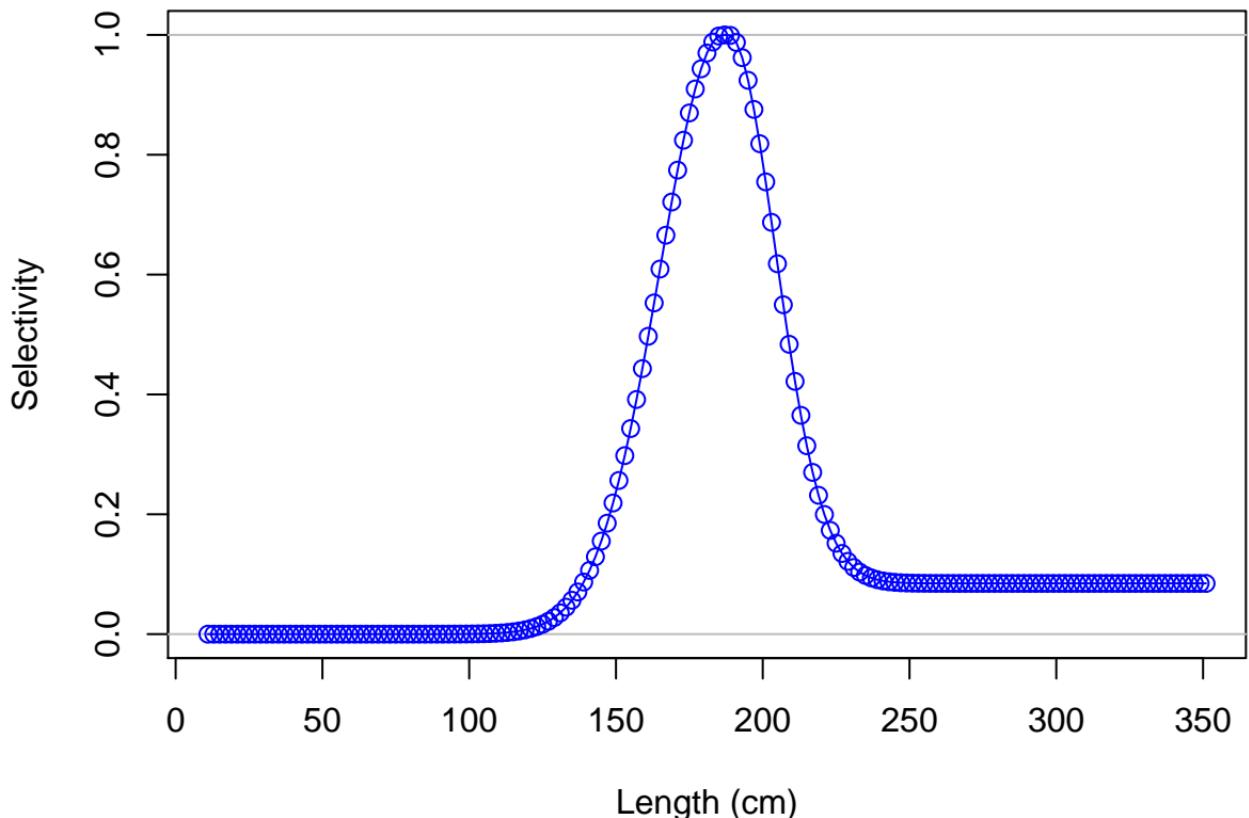
Time-varying selectivity for NorPS



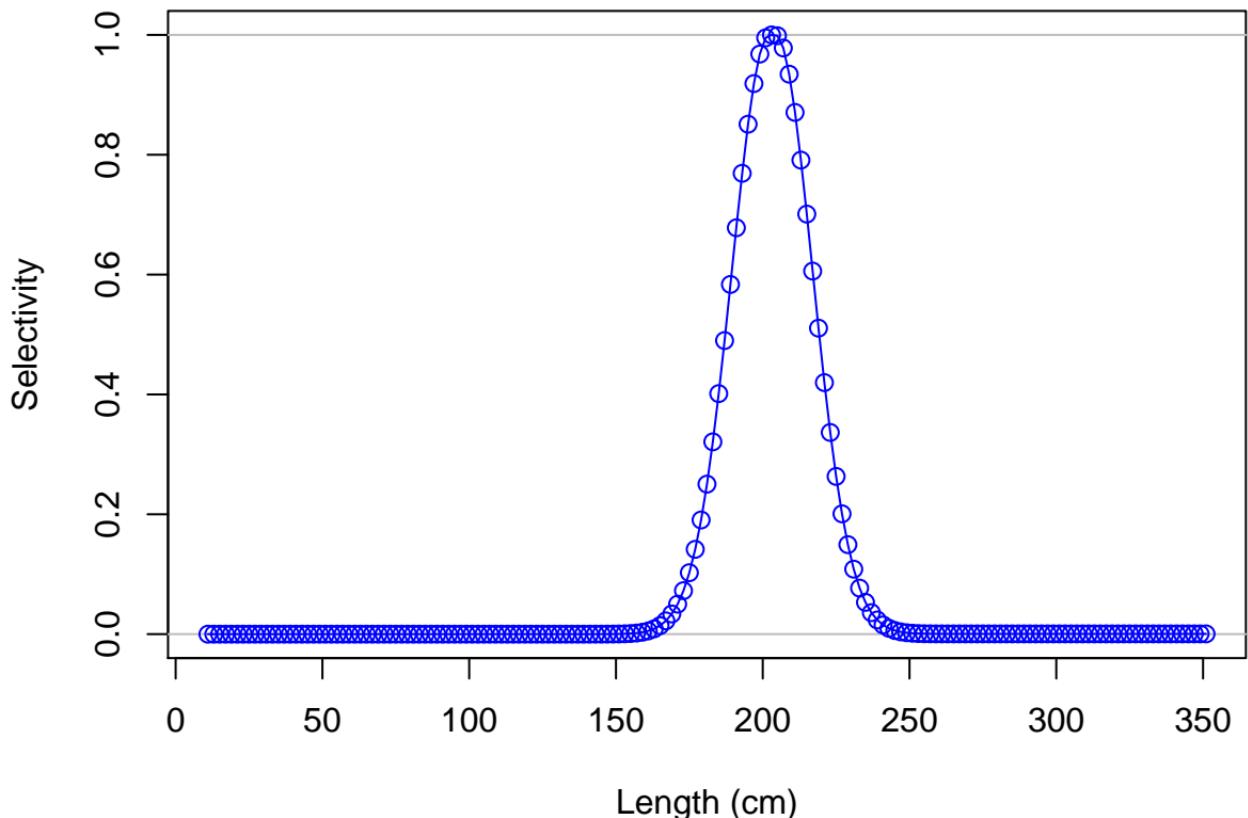
Ending year selectivity for NorPS



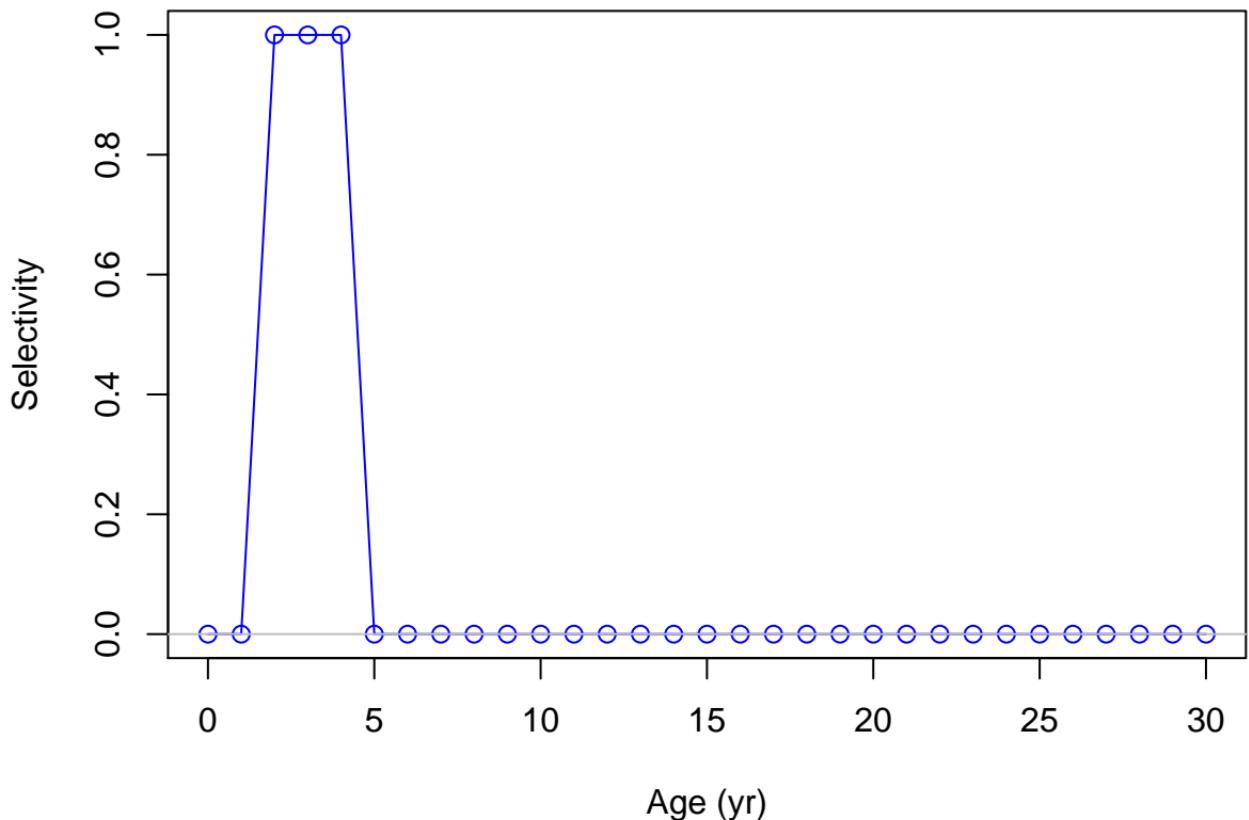
Ending year selectivity for JPLL_NEA



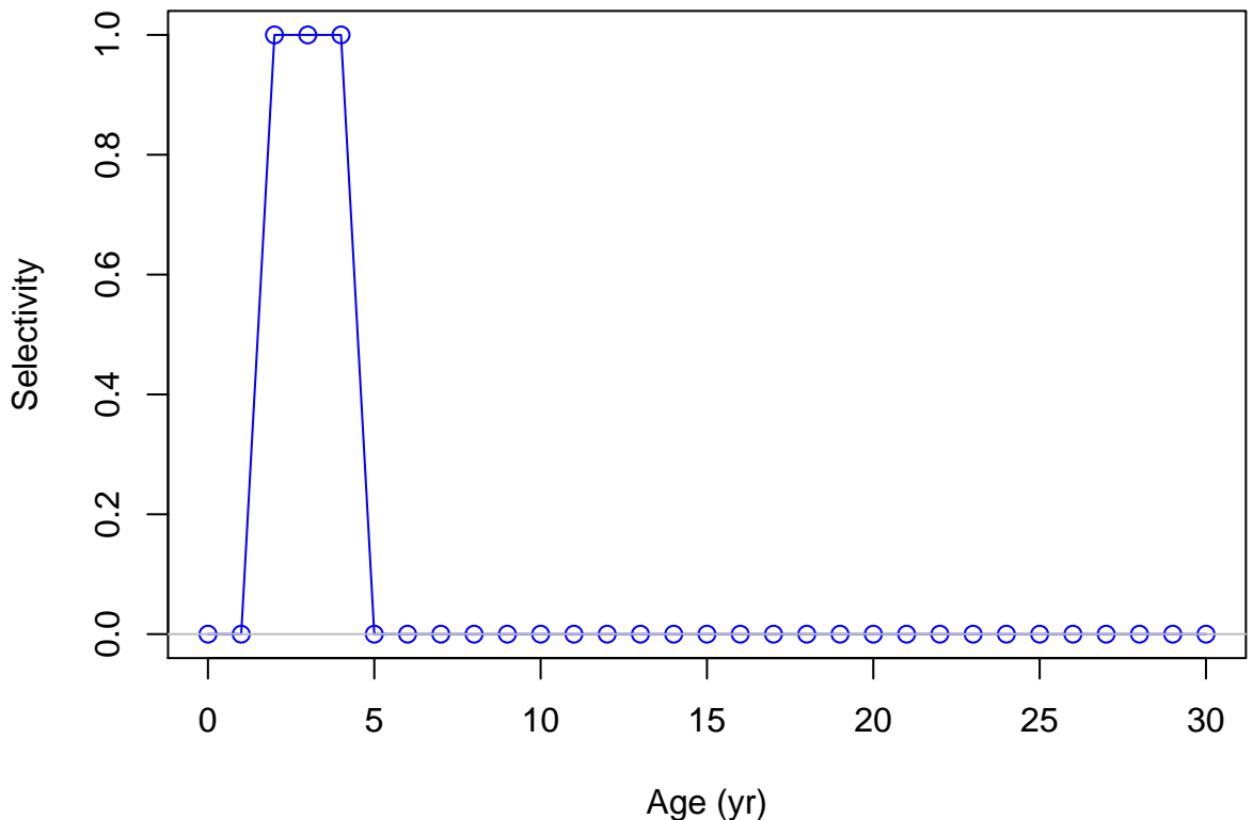
Ending year selectivity for LJPLL_NEA2



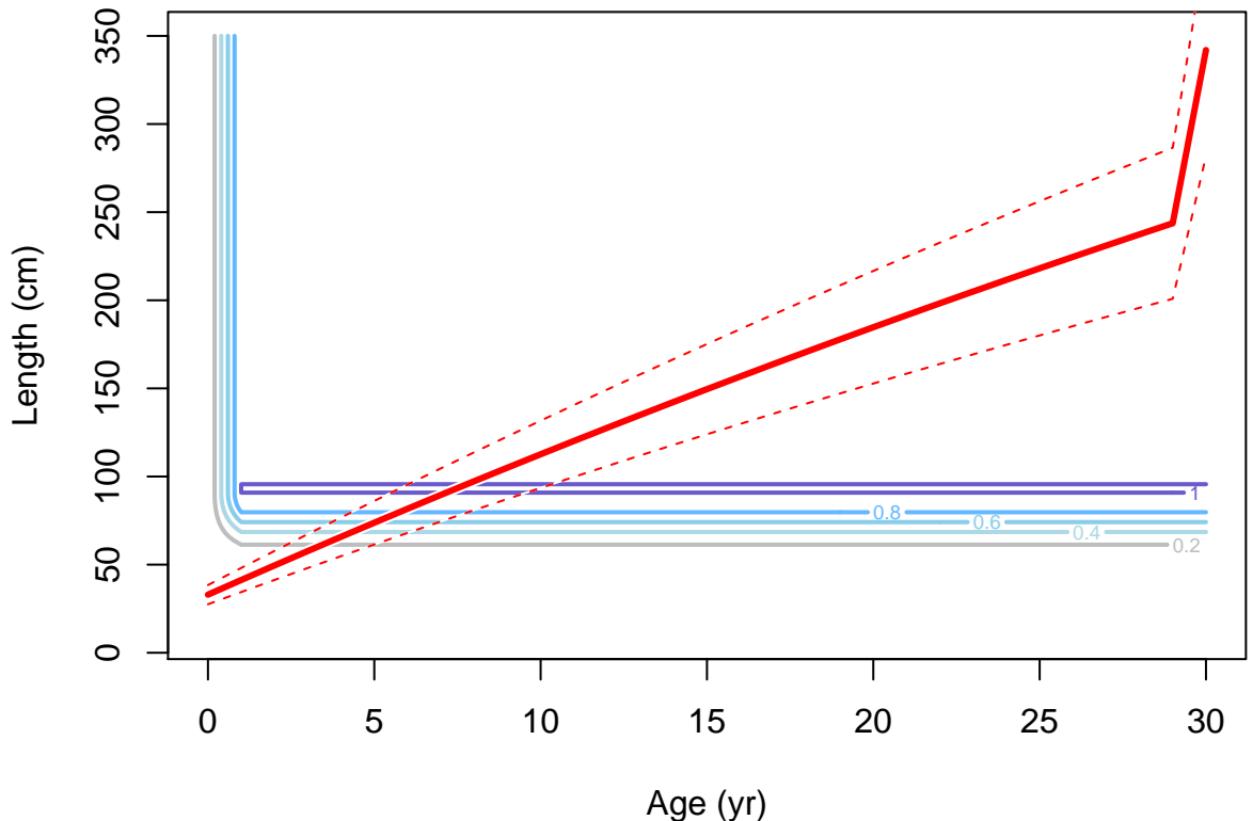
Ending year selectivity for AS1



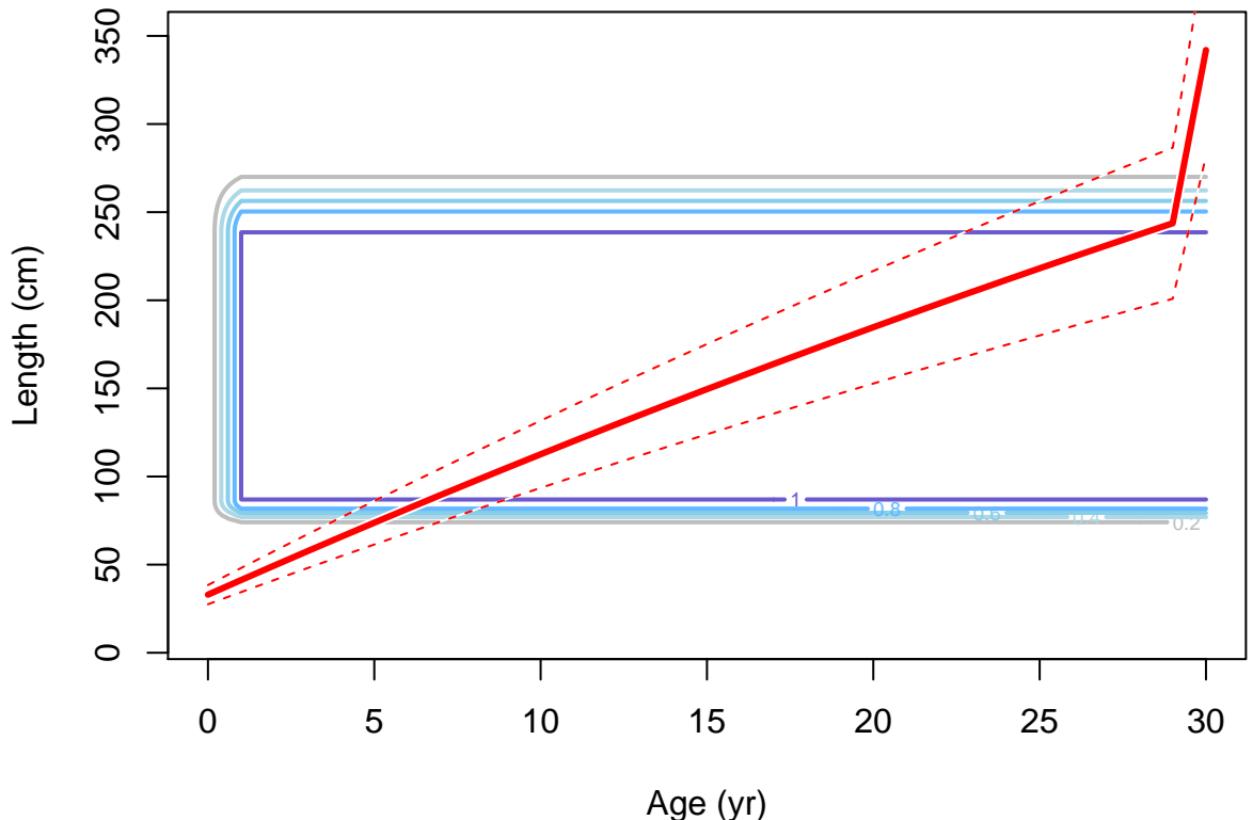
Ending year selectivity for AS2



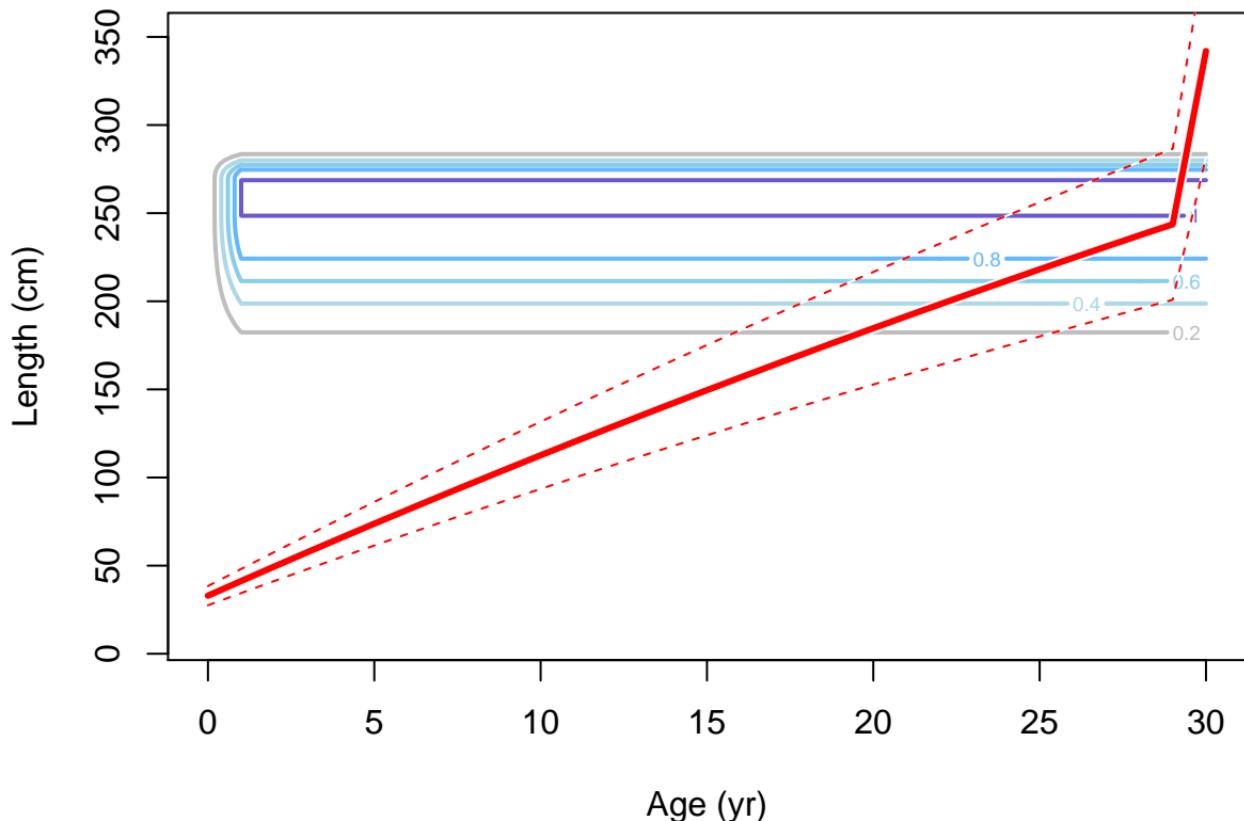
Ending year selectivity and growth for BB52_06



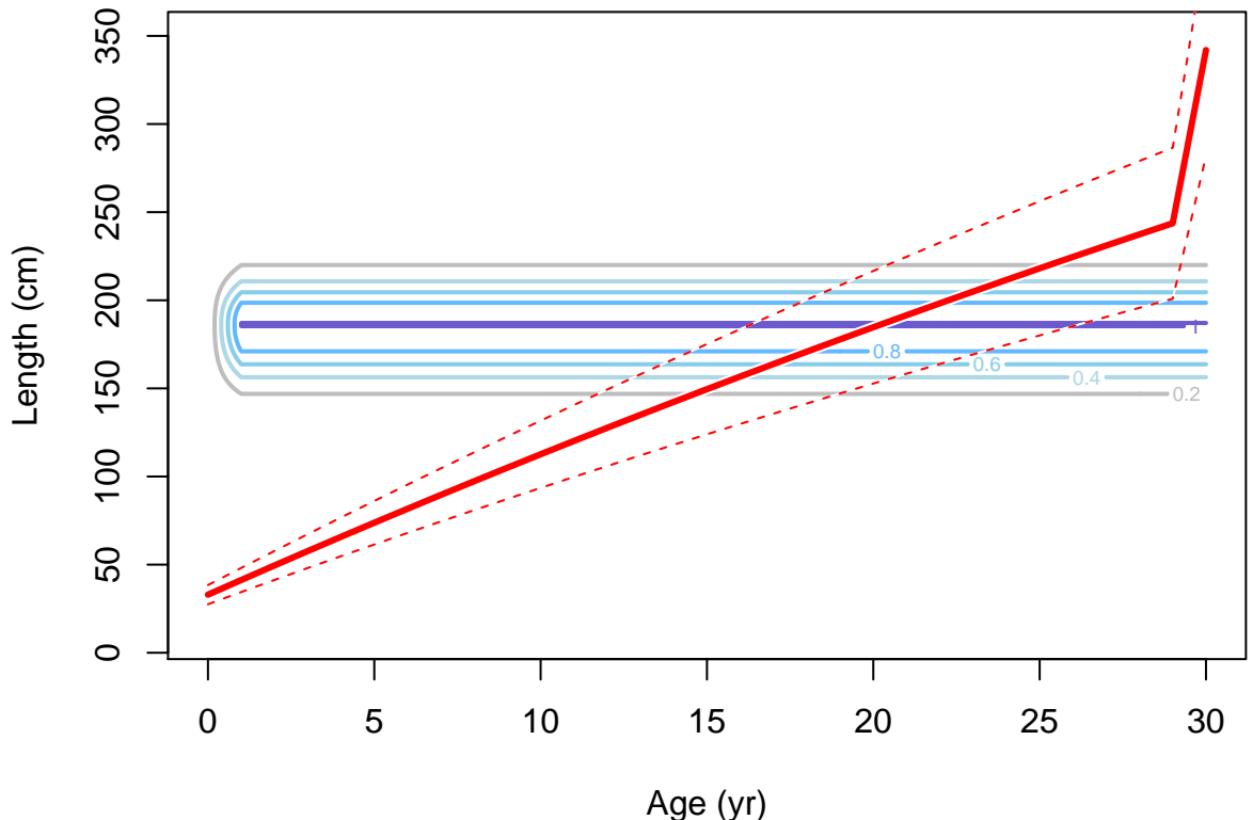
Ending year selectivity and growth for BB06_15



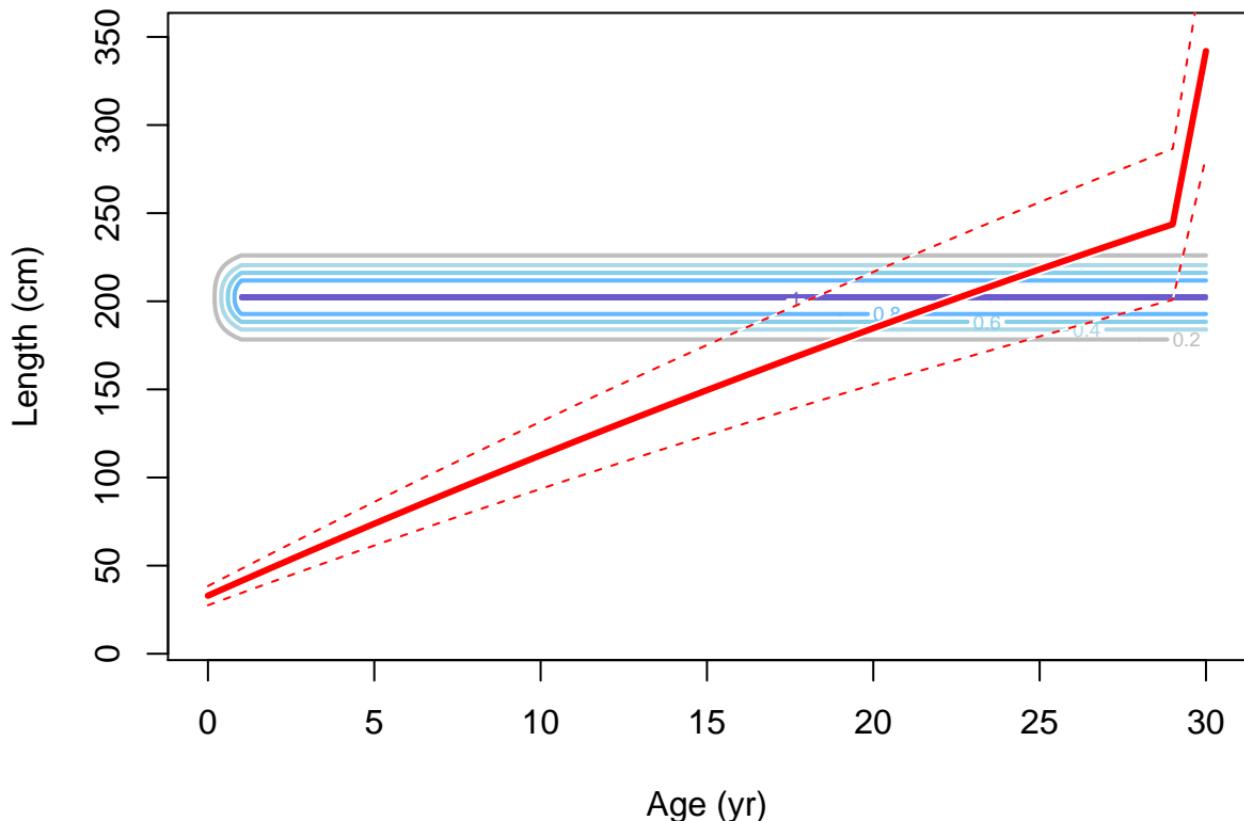
Ending year selectivity and growth for LL1



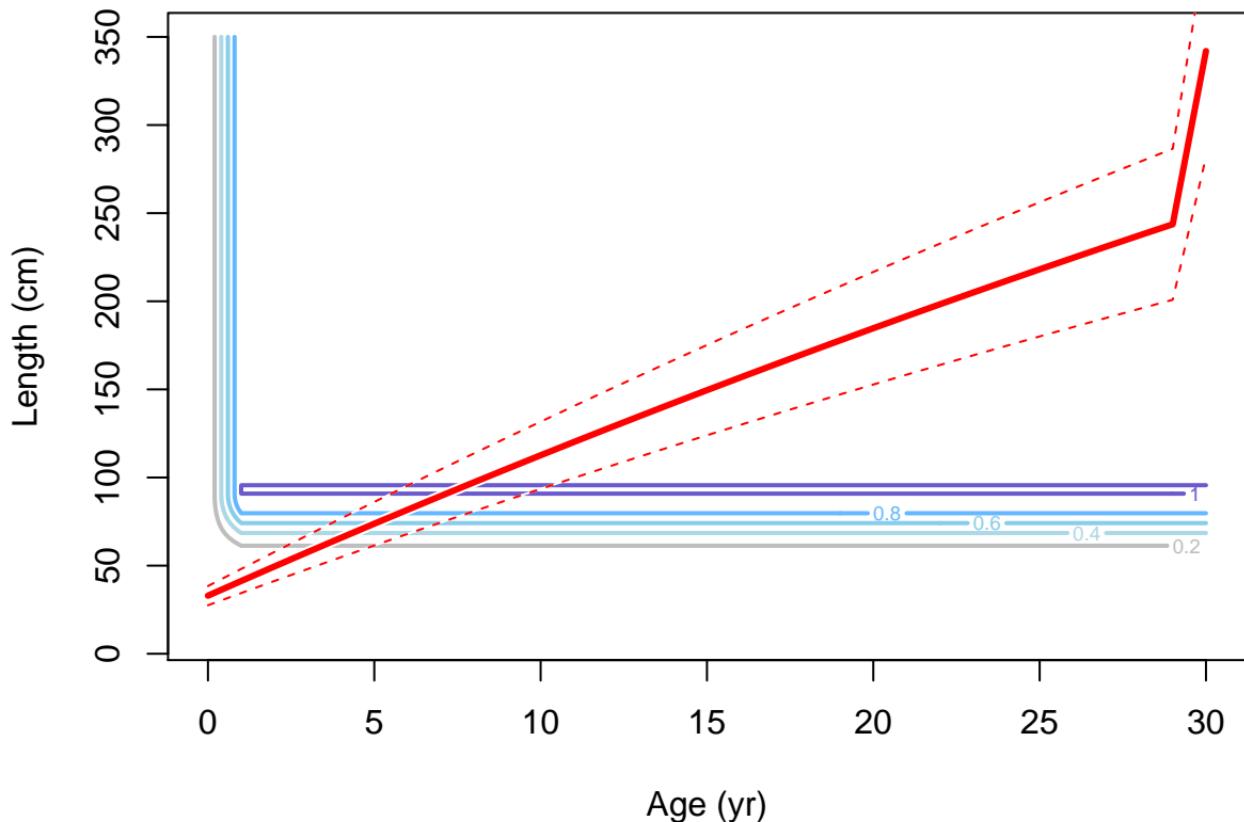
Ending year selectivity and growth for LL2



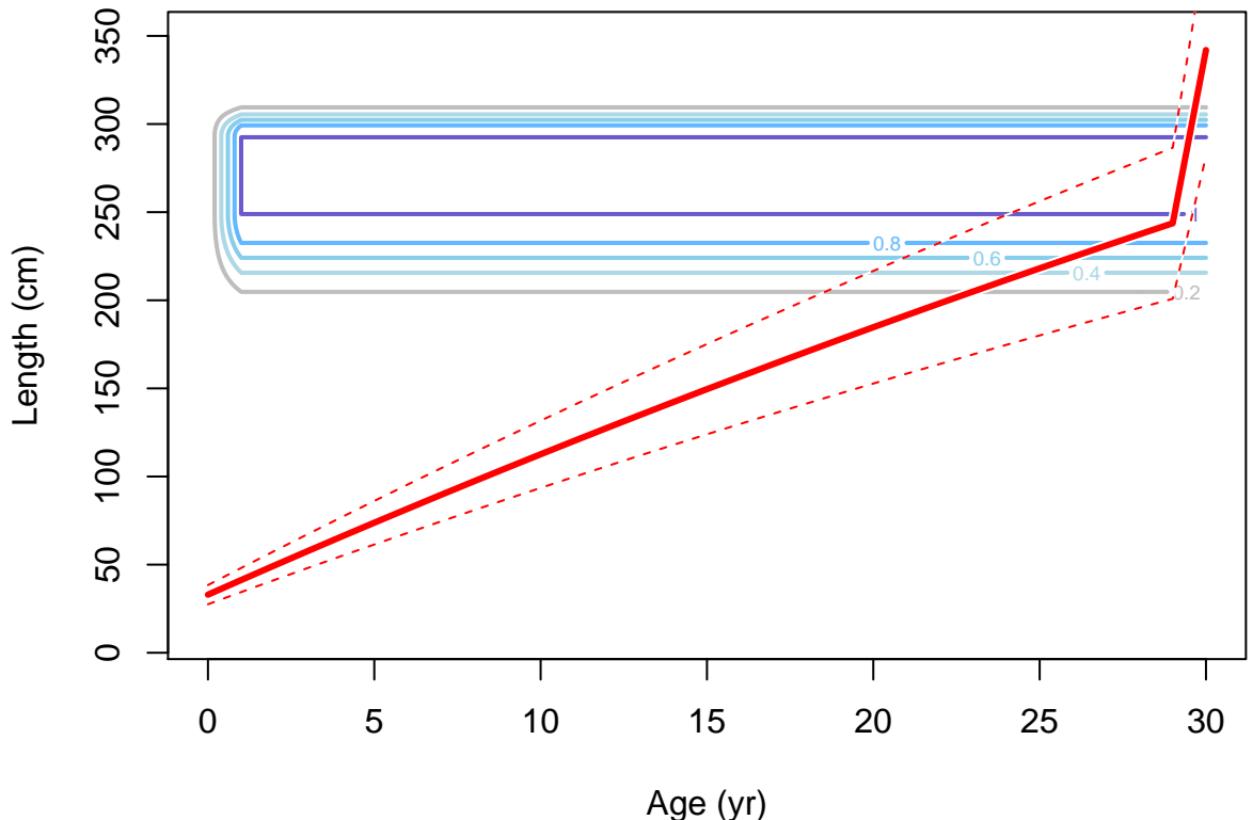
Ending year selectivity and growth for LL3



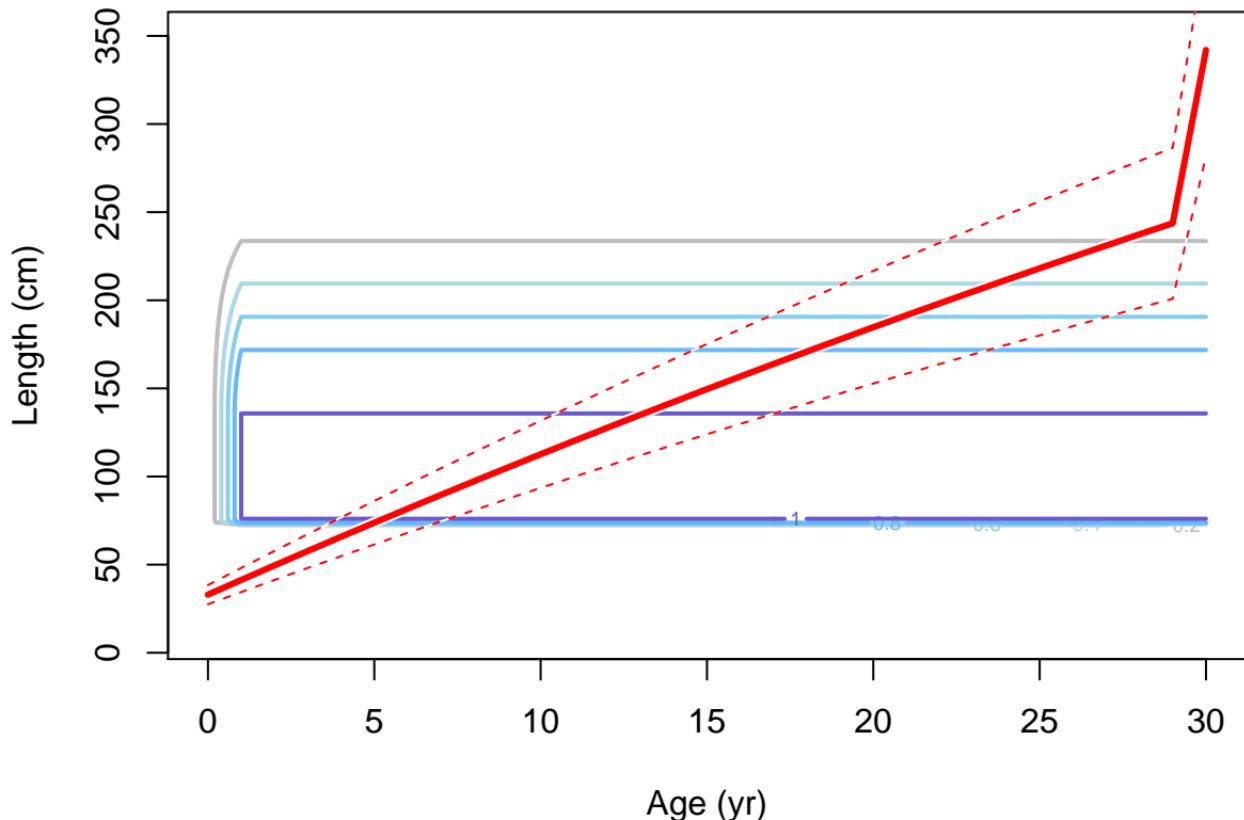
Ending year selectivity and growth for LL4



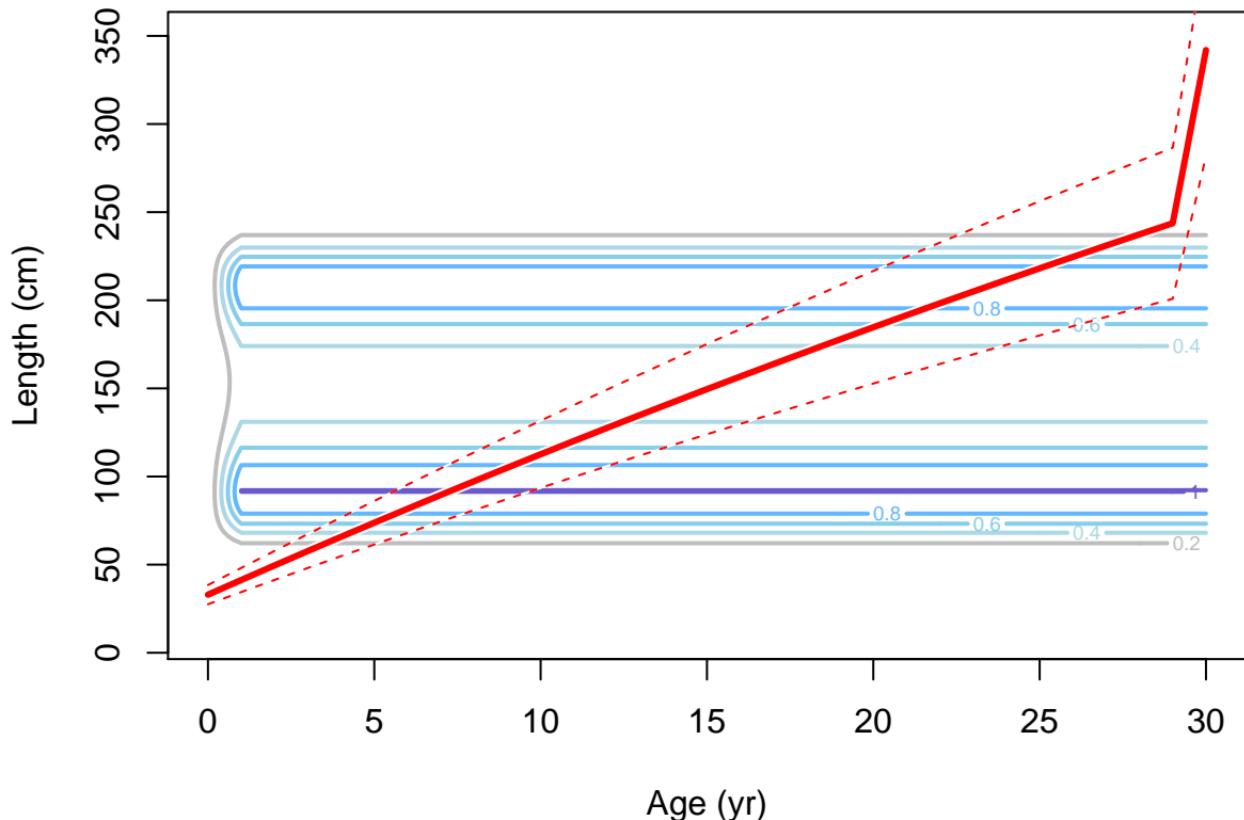
Ending year selectivity and growth for PS_NOR



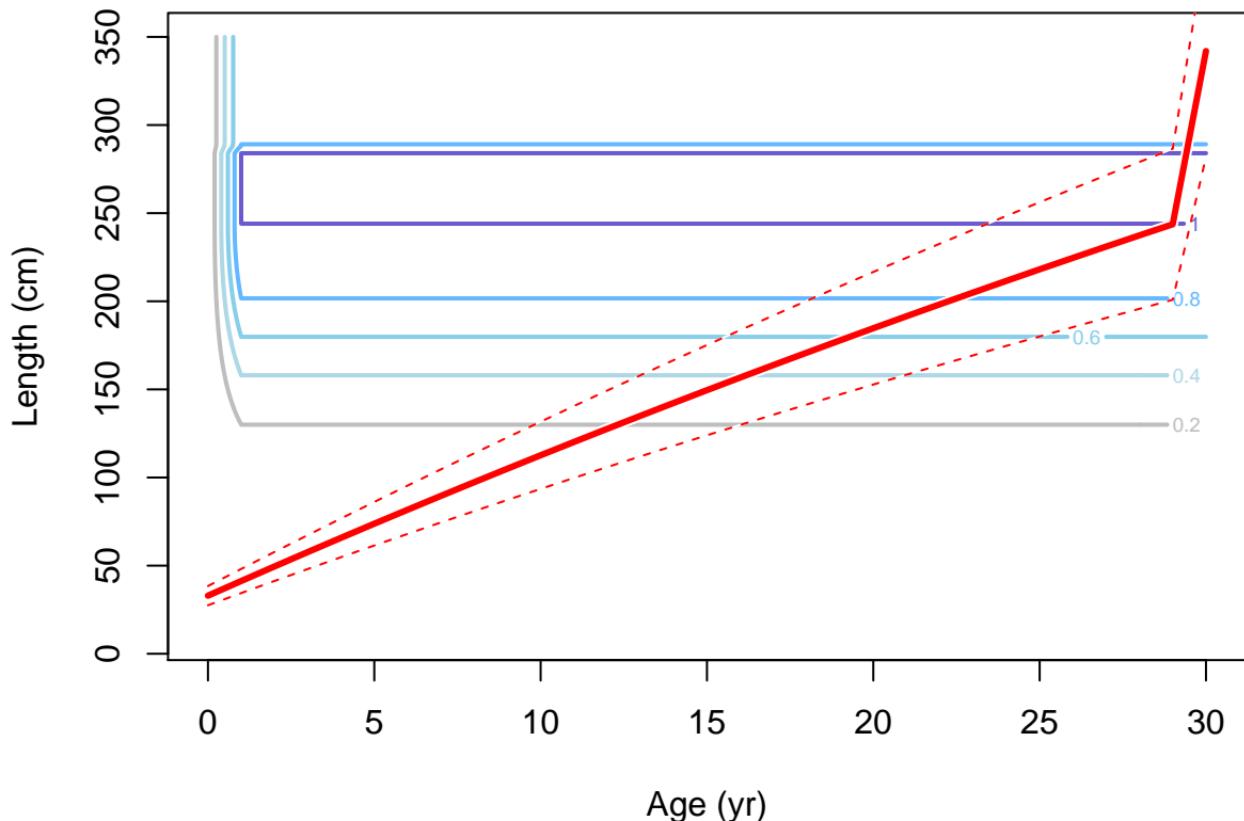
Ending year selectivity and growth for PS_CRO



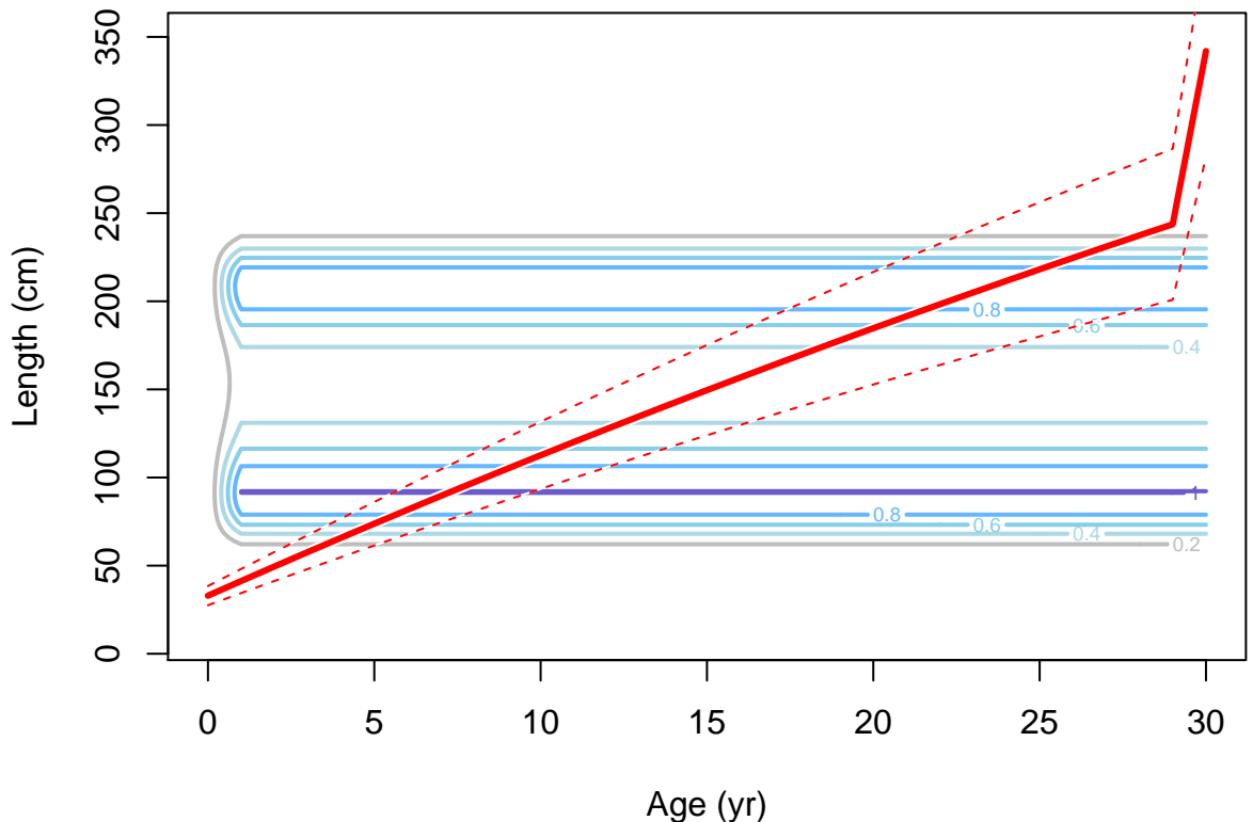
Ending year selectivity and growth for PS_FR



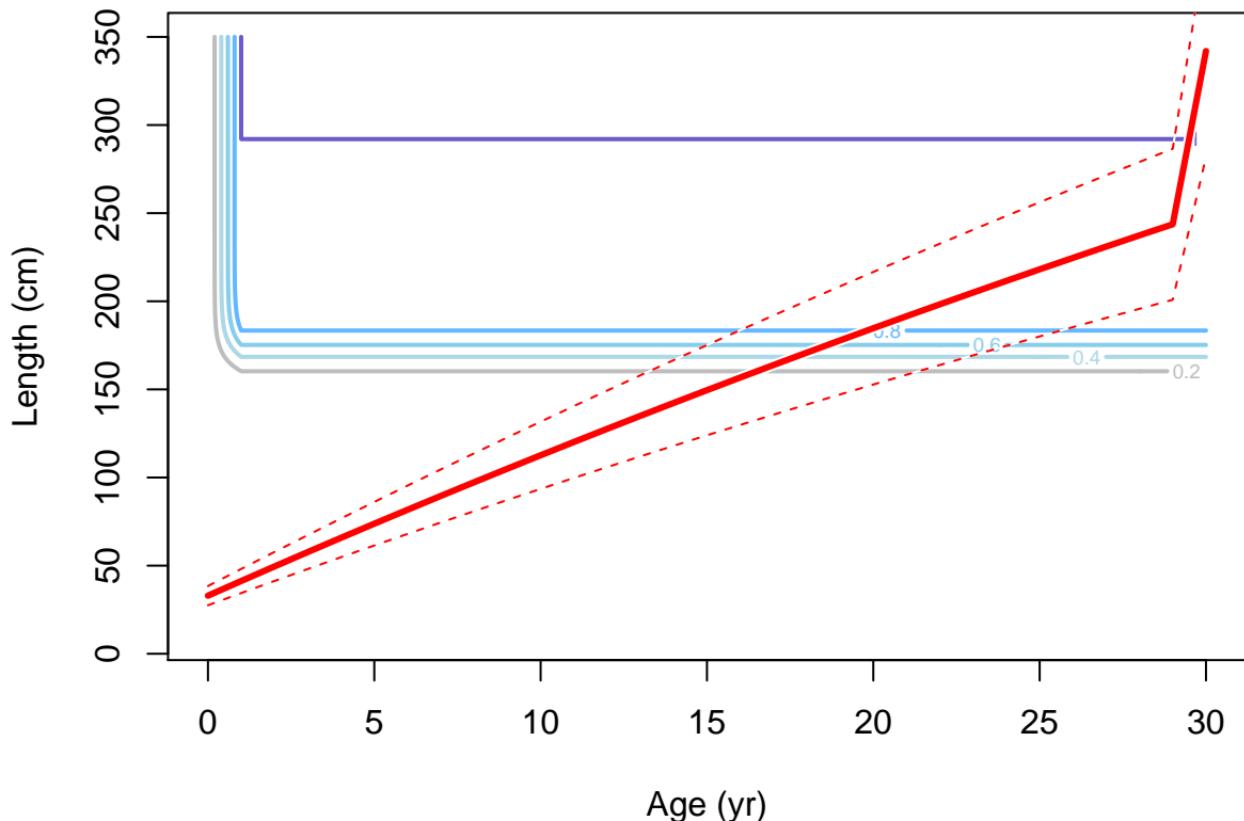
Ending year selectivity and growth for PSOTHER



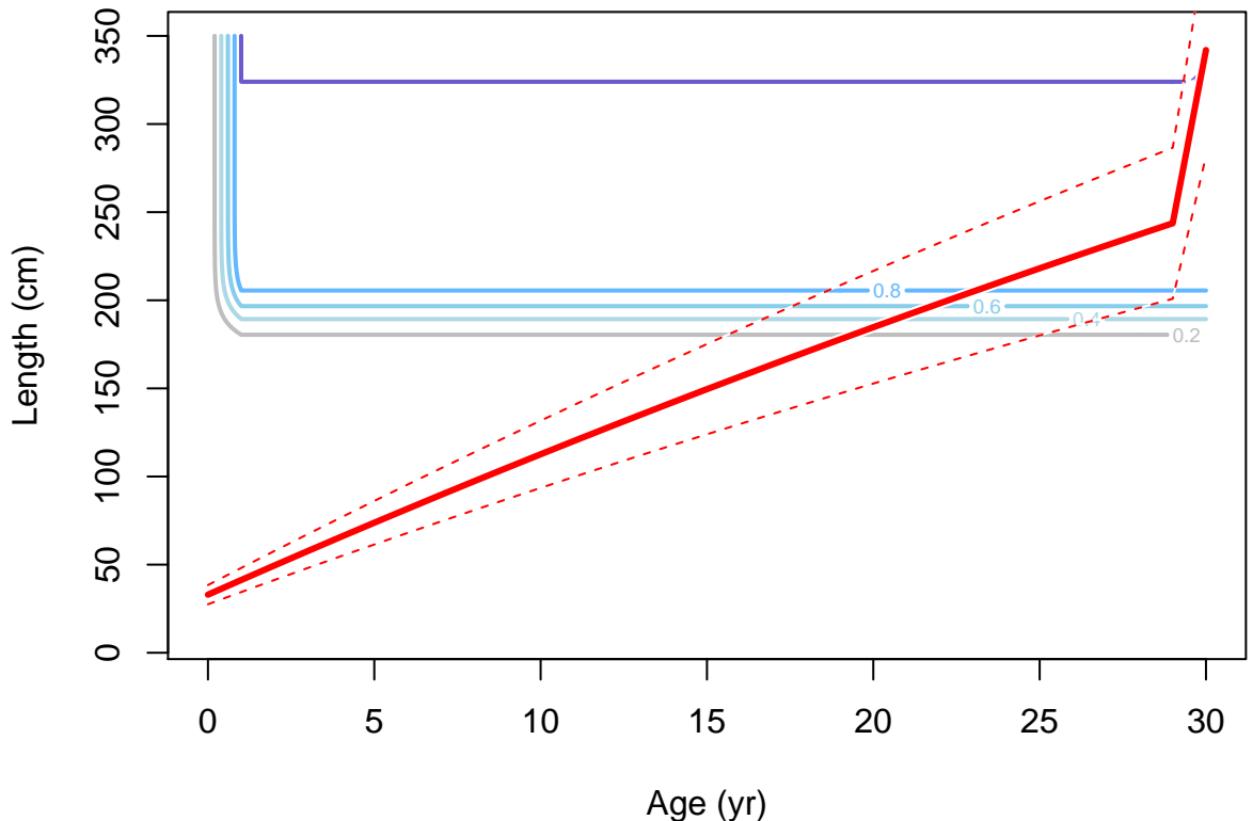
Ending year selectivity and growth for PSINFL



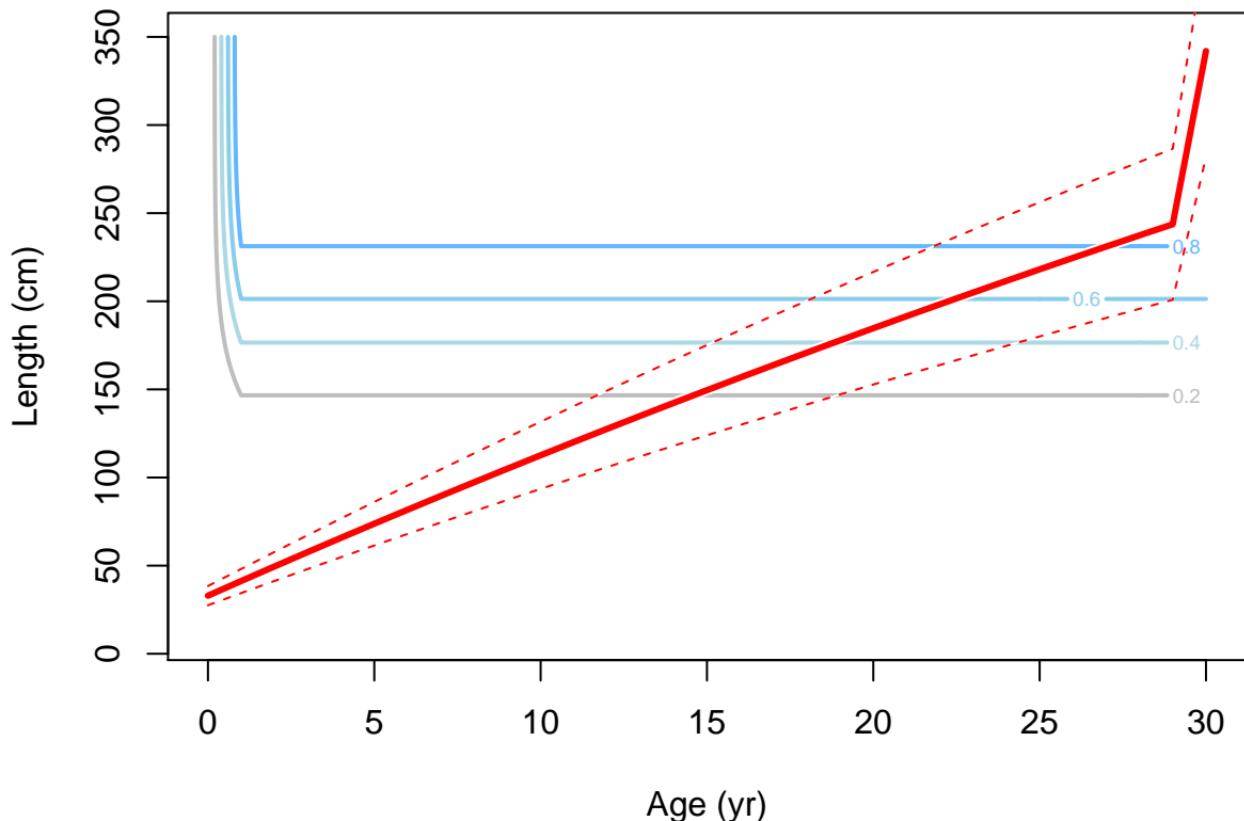
Ending year selectivity and growth for TRP1



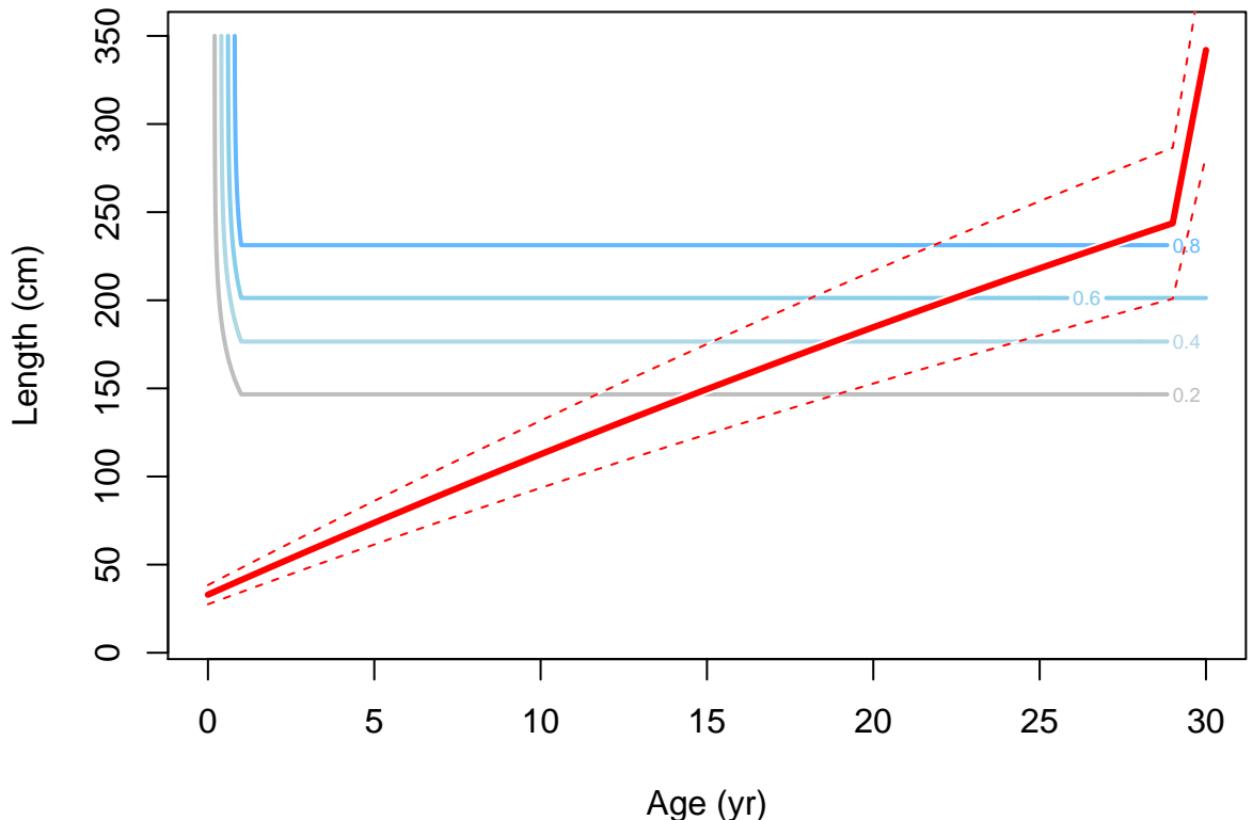
Ending year selectivity and growth for TRP2



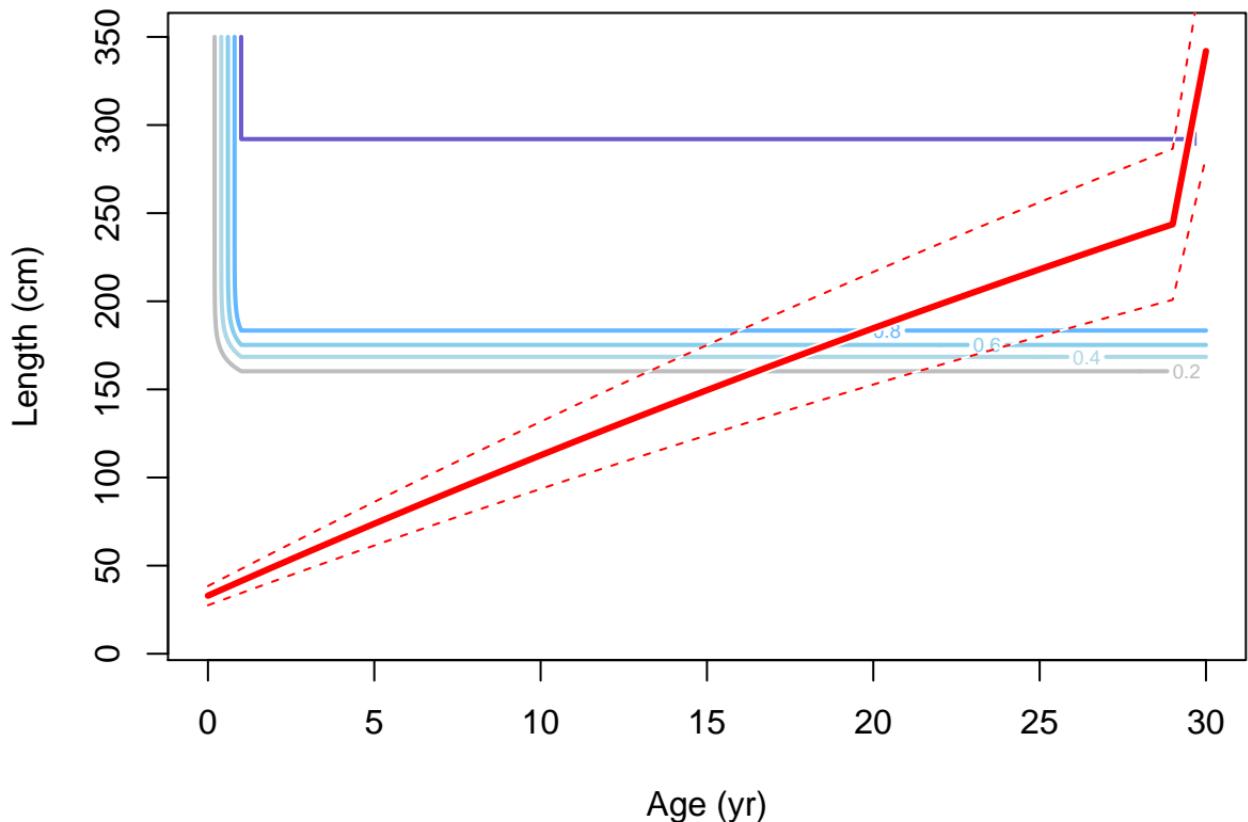
Ending year selectivity and growth for TRPOTHER



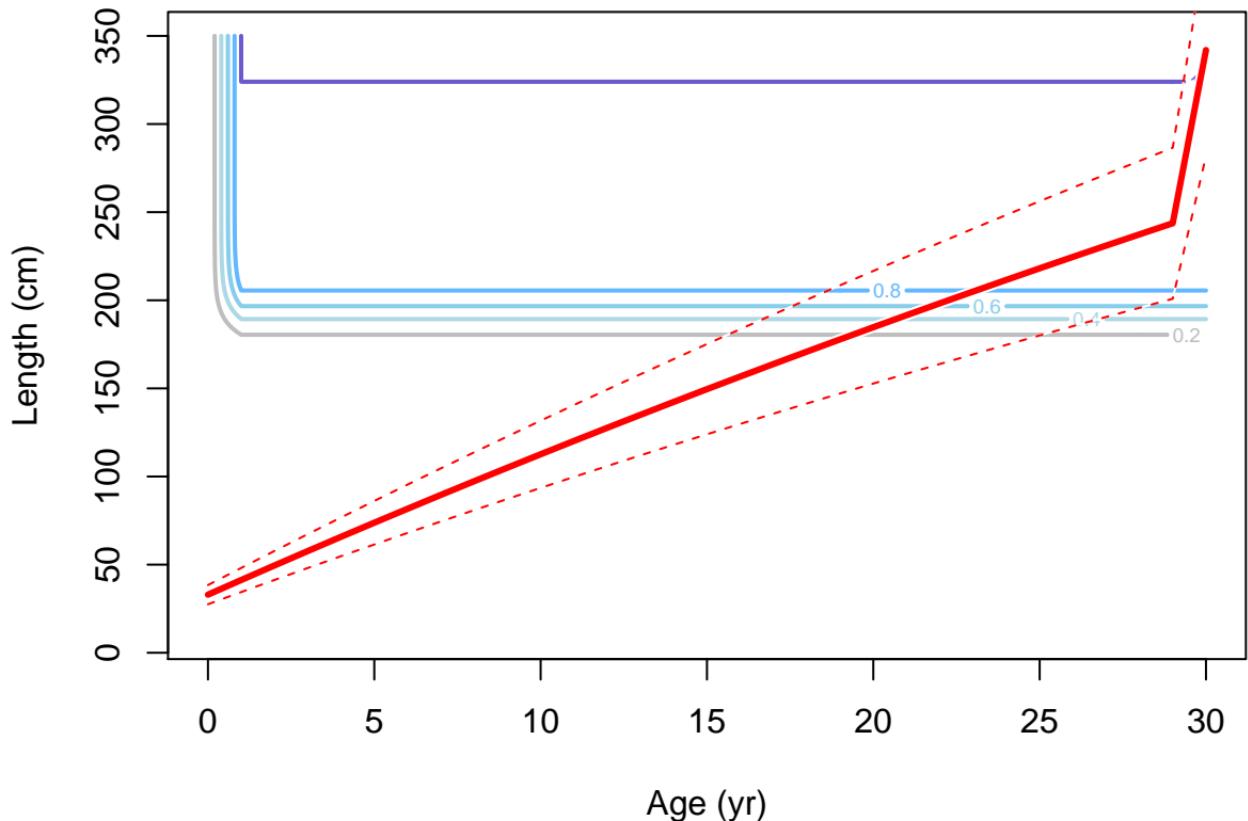
Ending year selectivity and growth for OTR



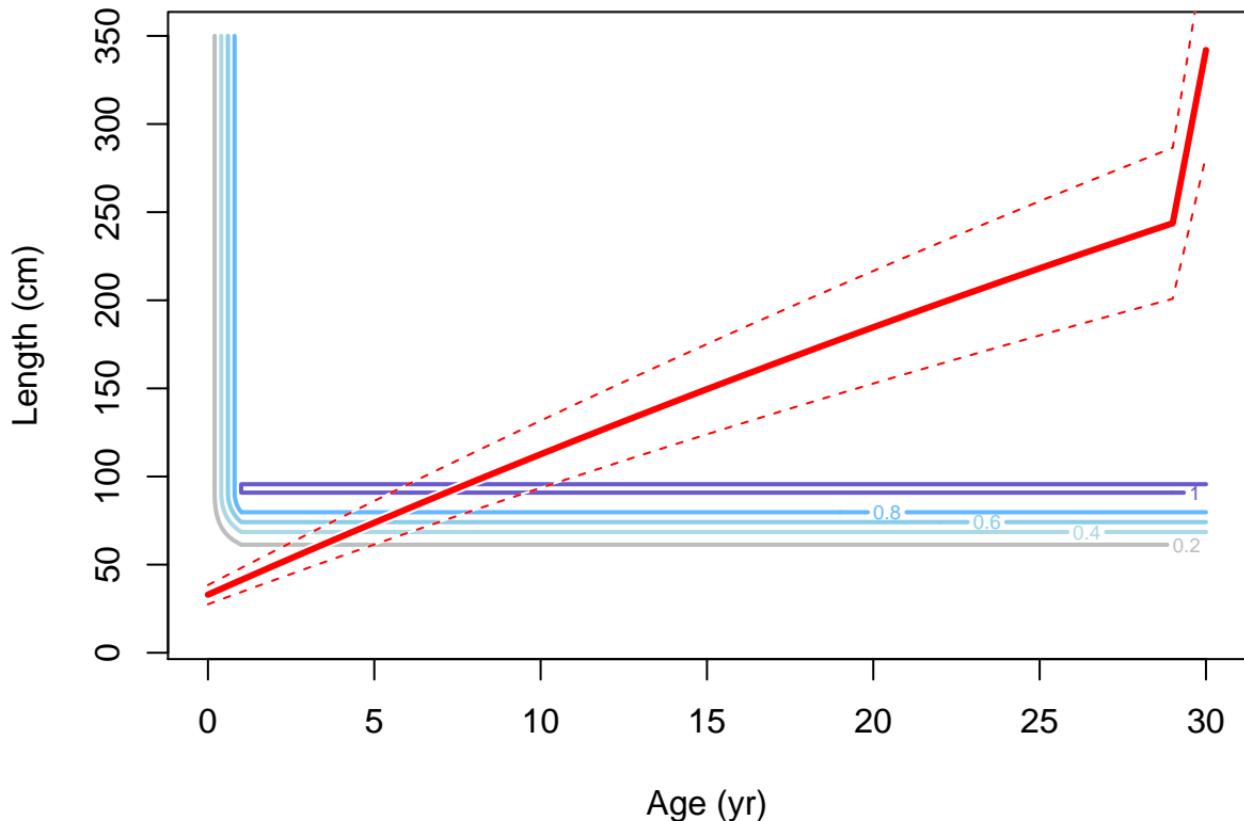
Ending year selectivity and growth for MOR1



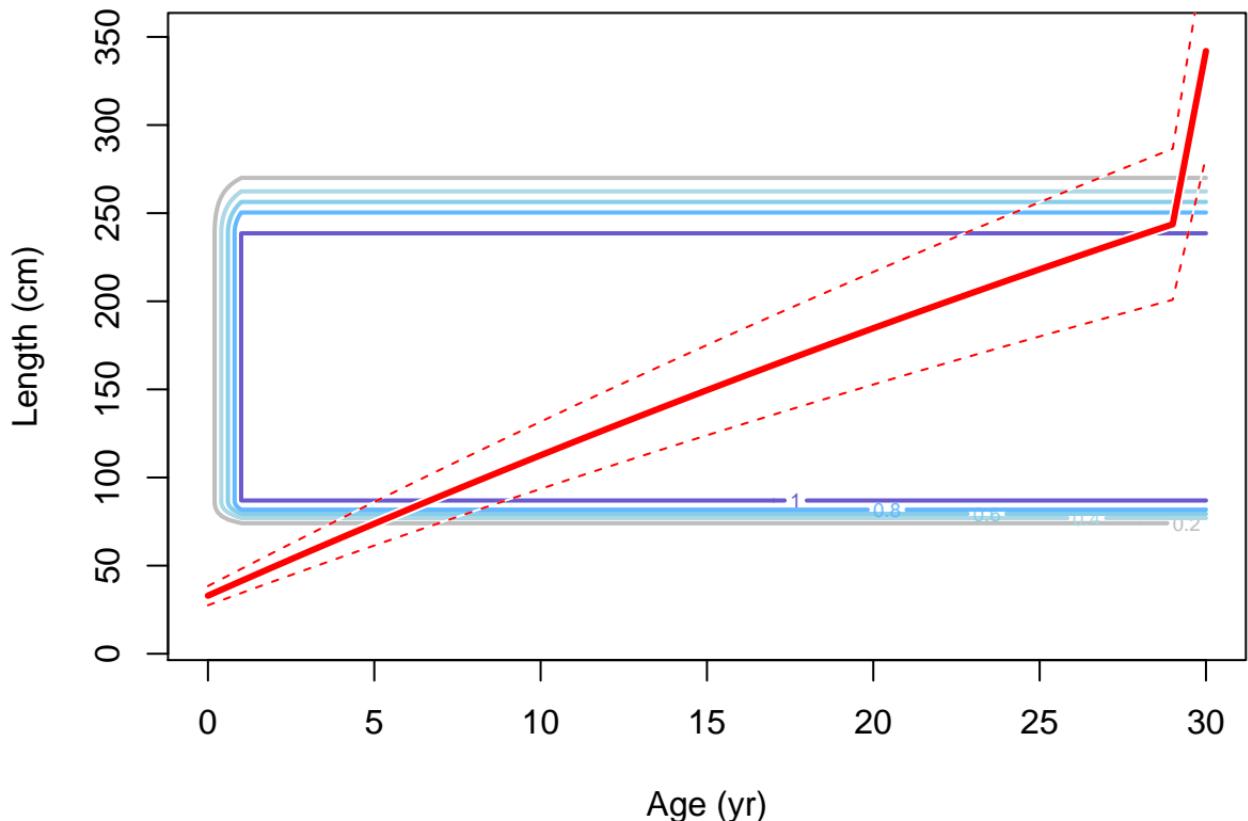
Ending year selectivity and growth for MOR2



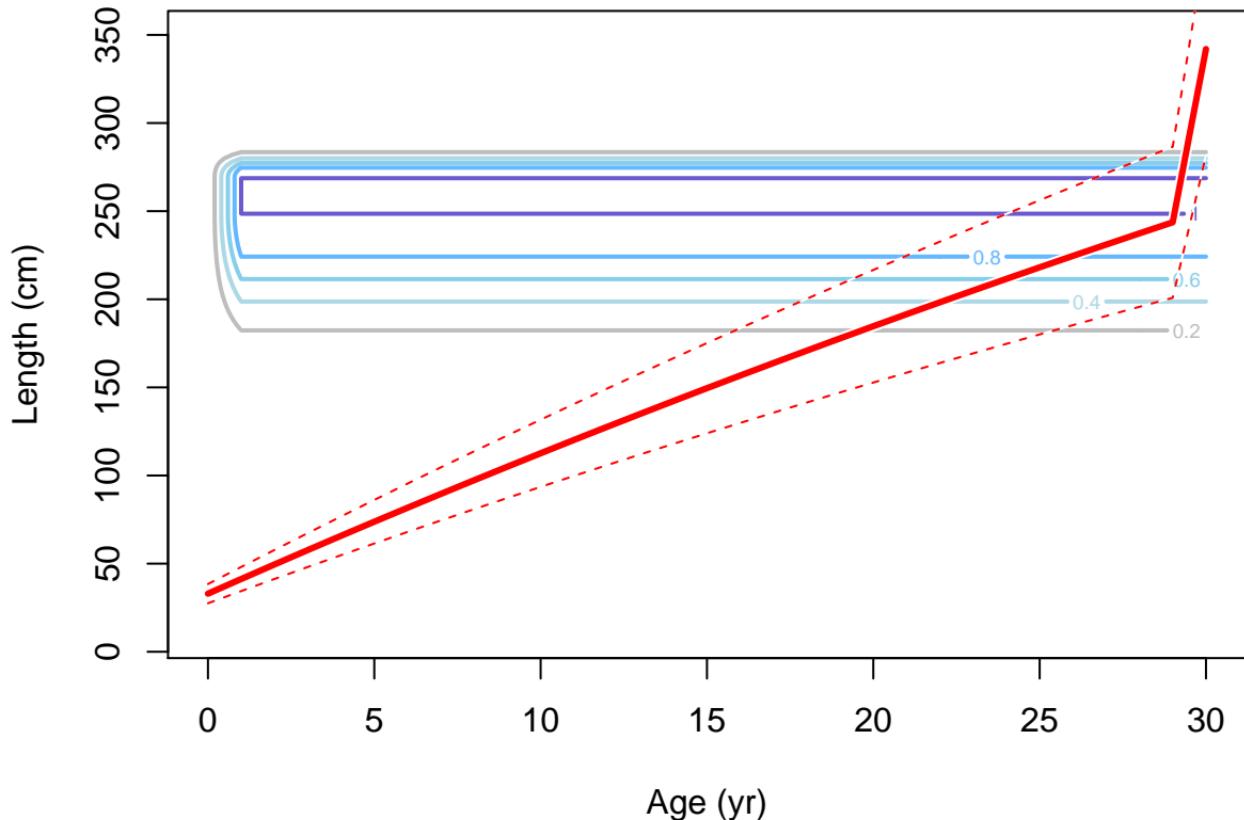
Ending year selectivity and growth for SpBB1



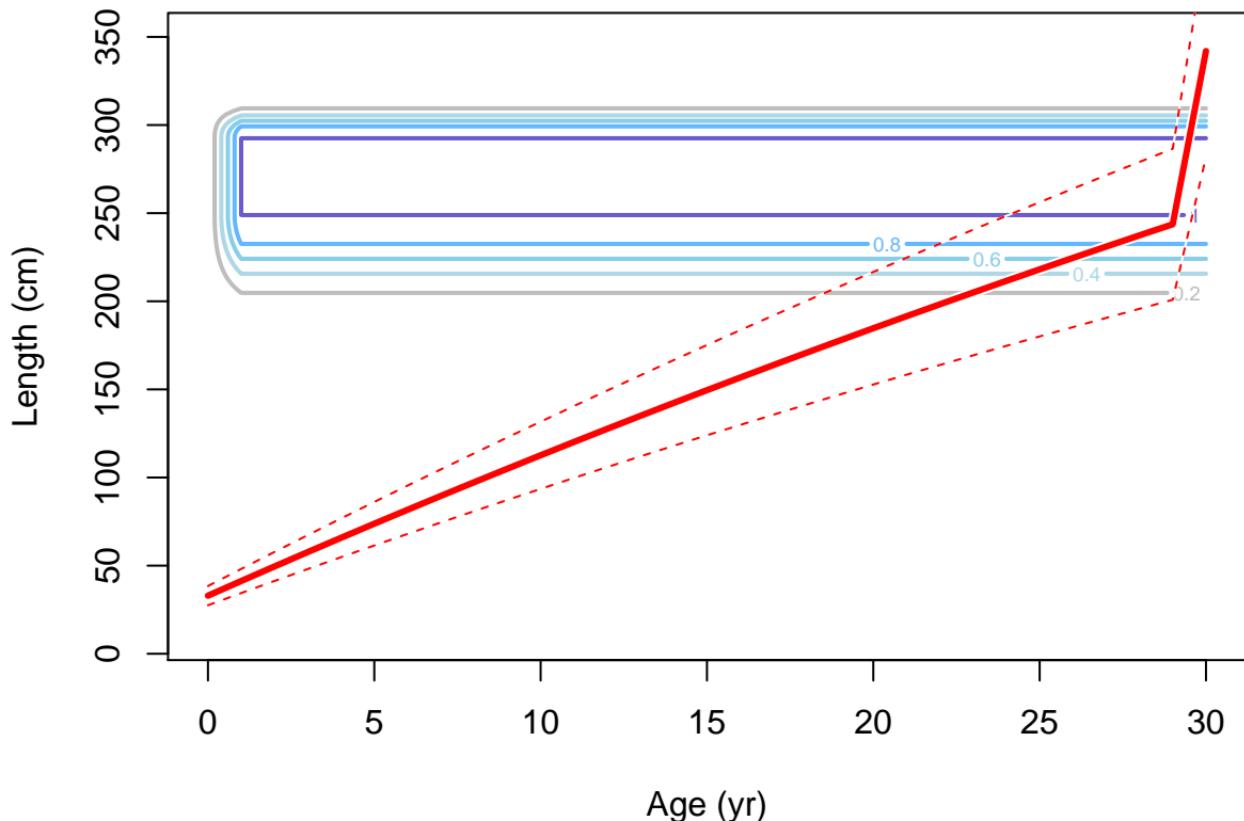
Ending year selectivity and growth for SPBB2



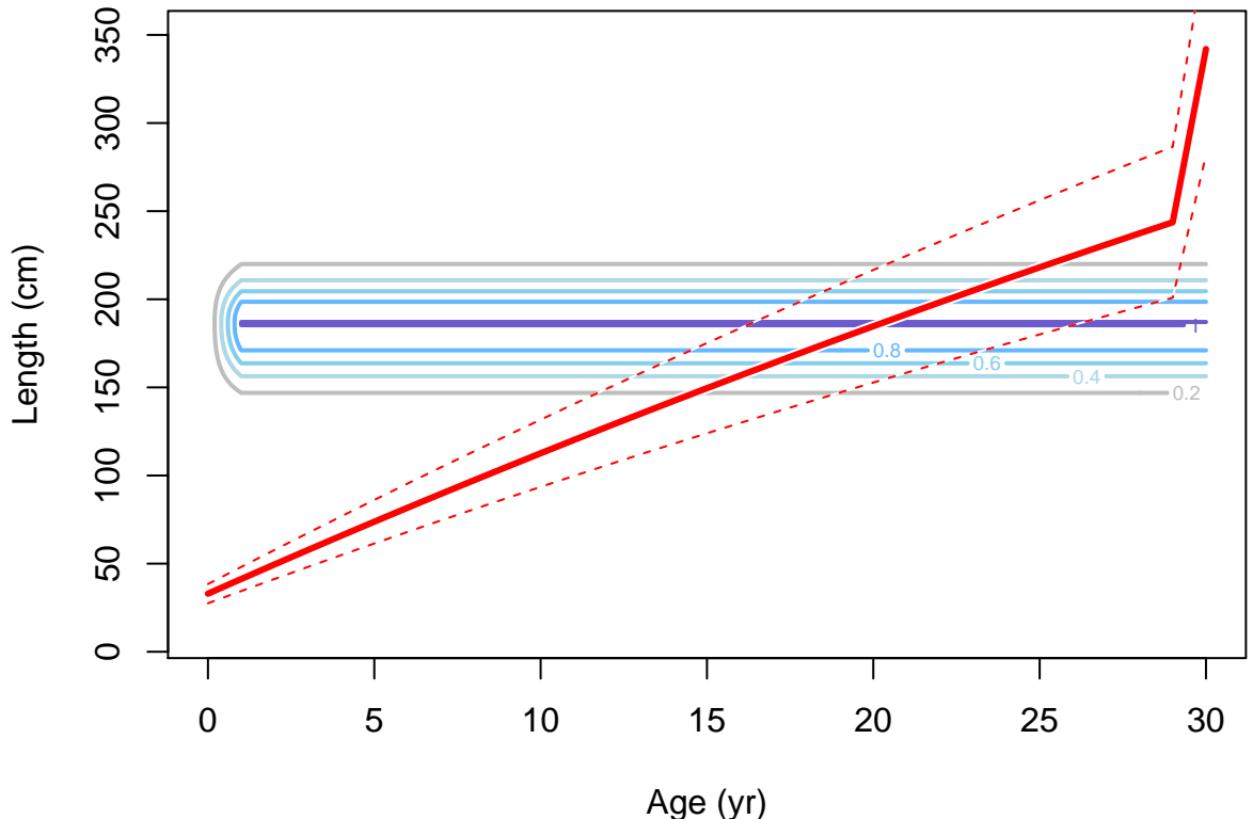
Ending year selectivity and growth for JPLL_EM



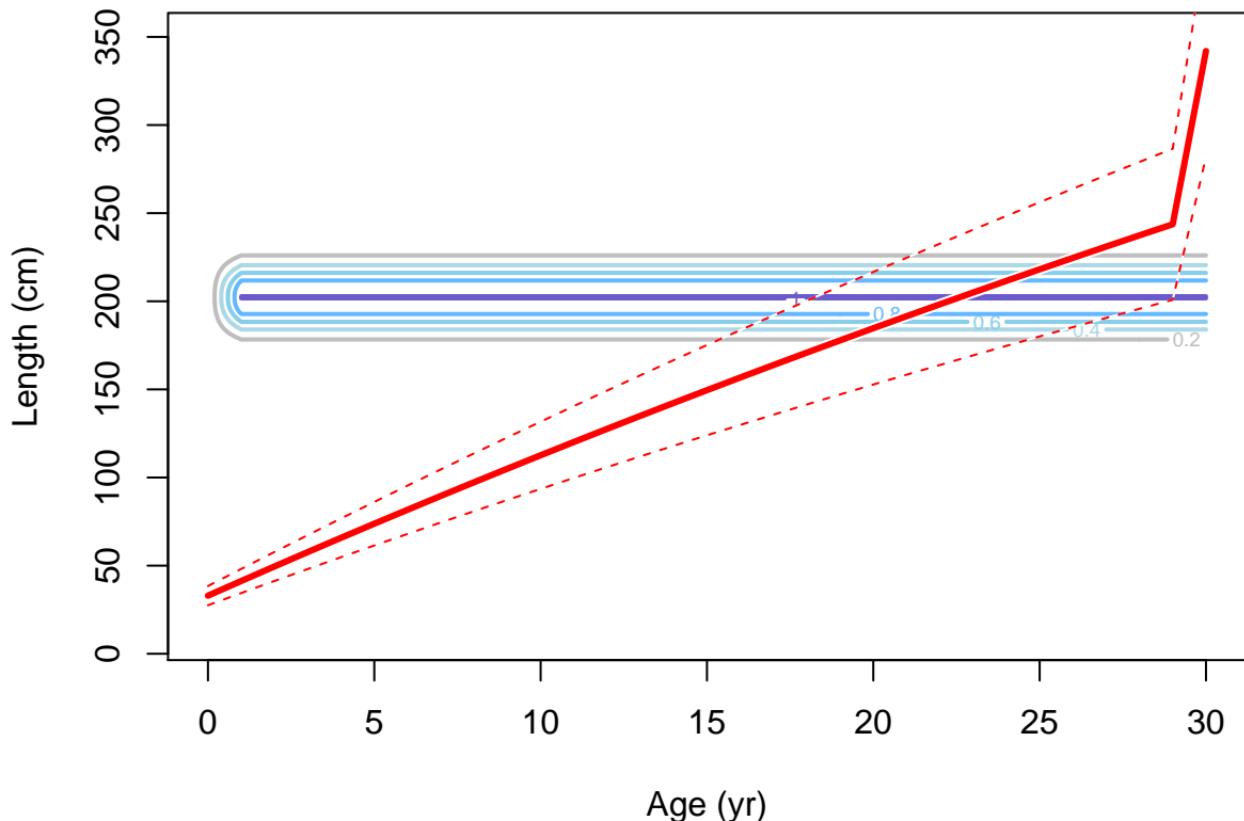
Ending year selectivity and growth for NorPS



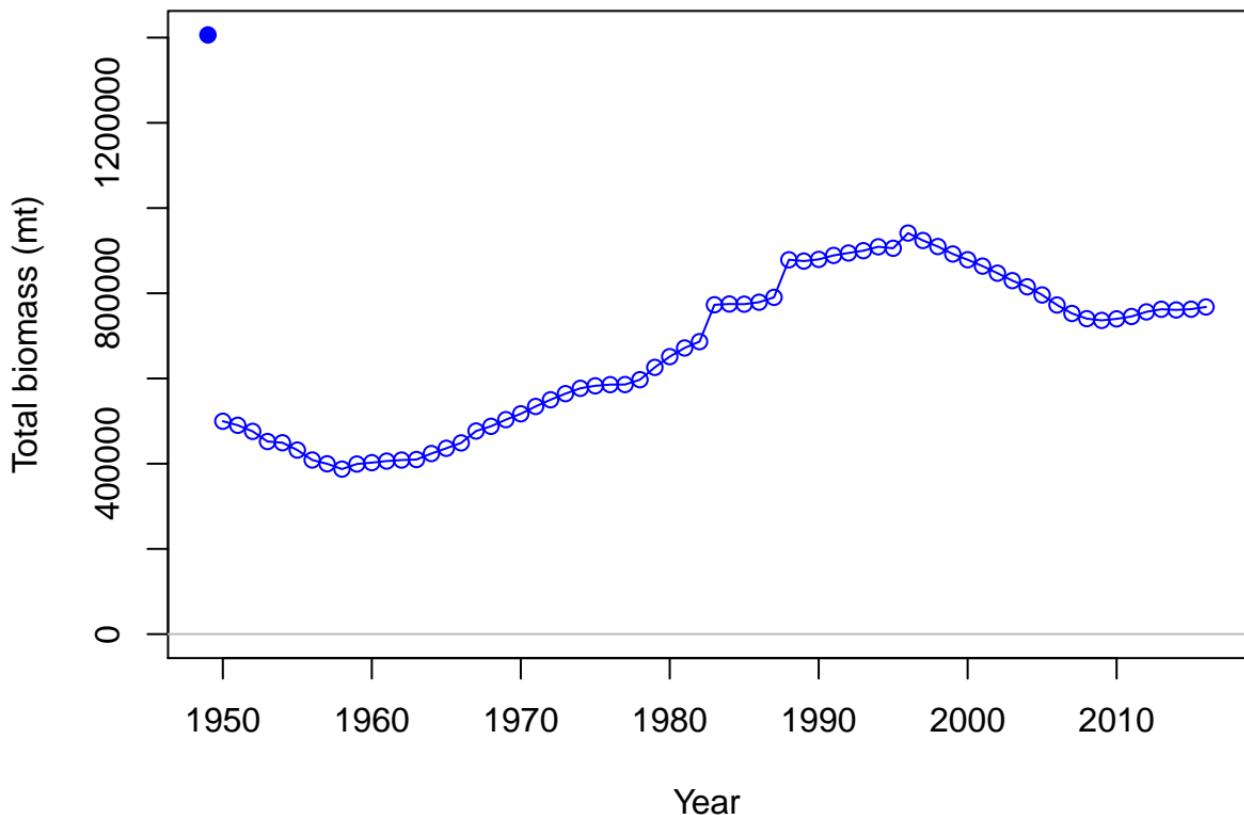
Ending year selectivity and growth for JPLL_NEA



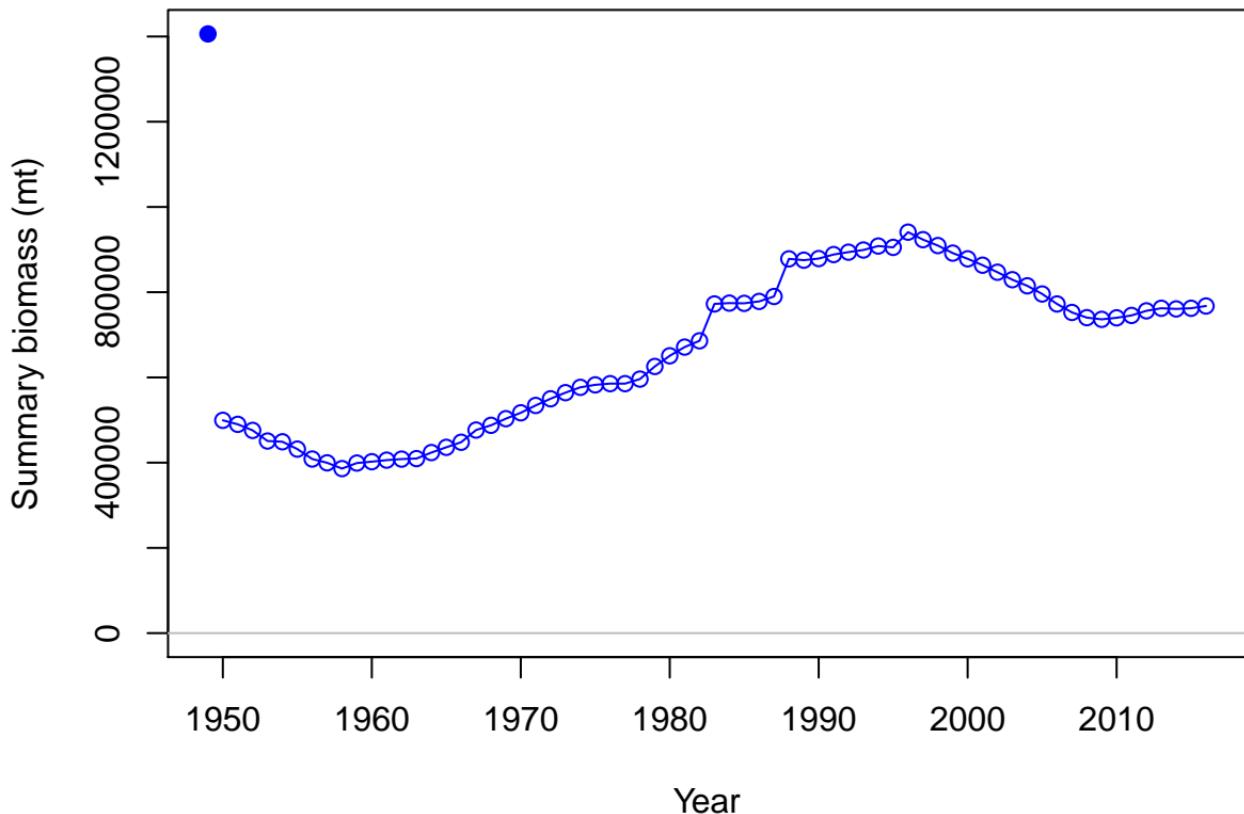
Ending year selectivity and growth for LJPLL_NEA2



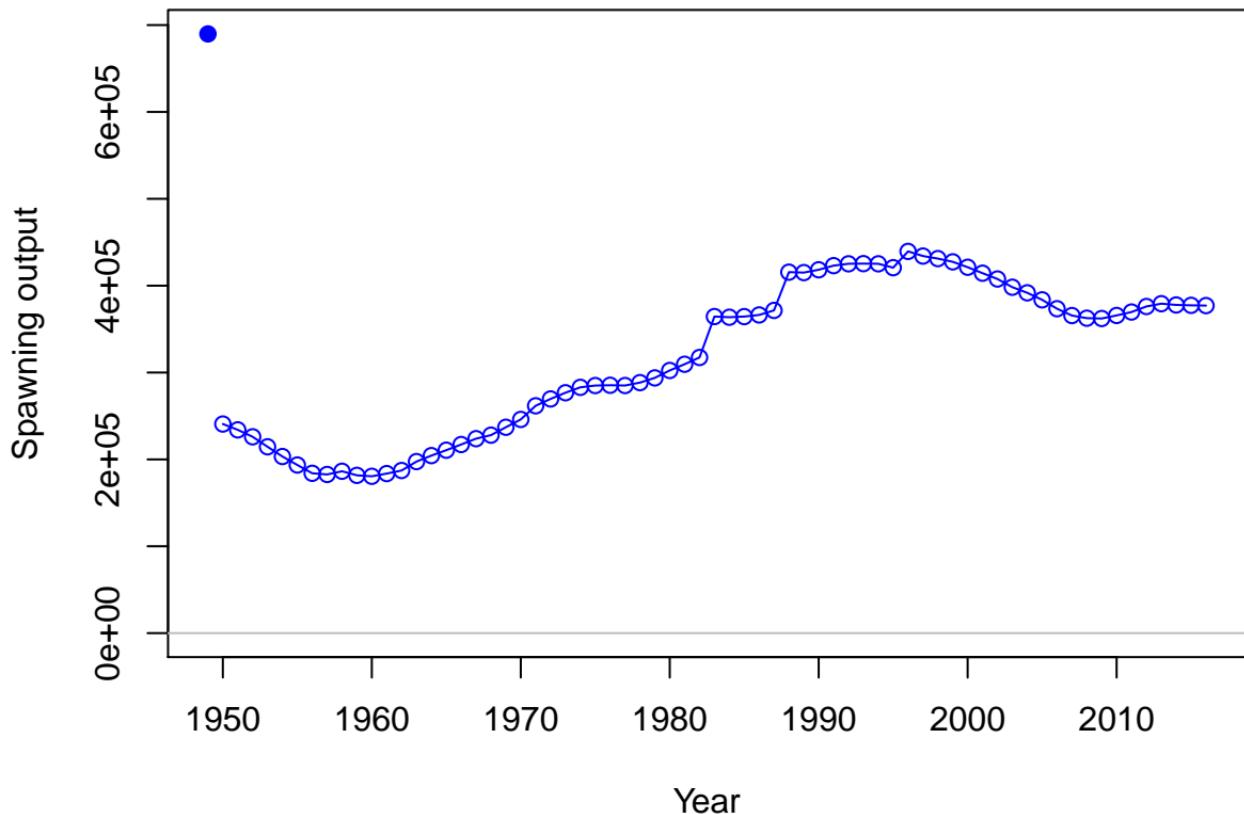
Total biomass (mt)



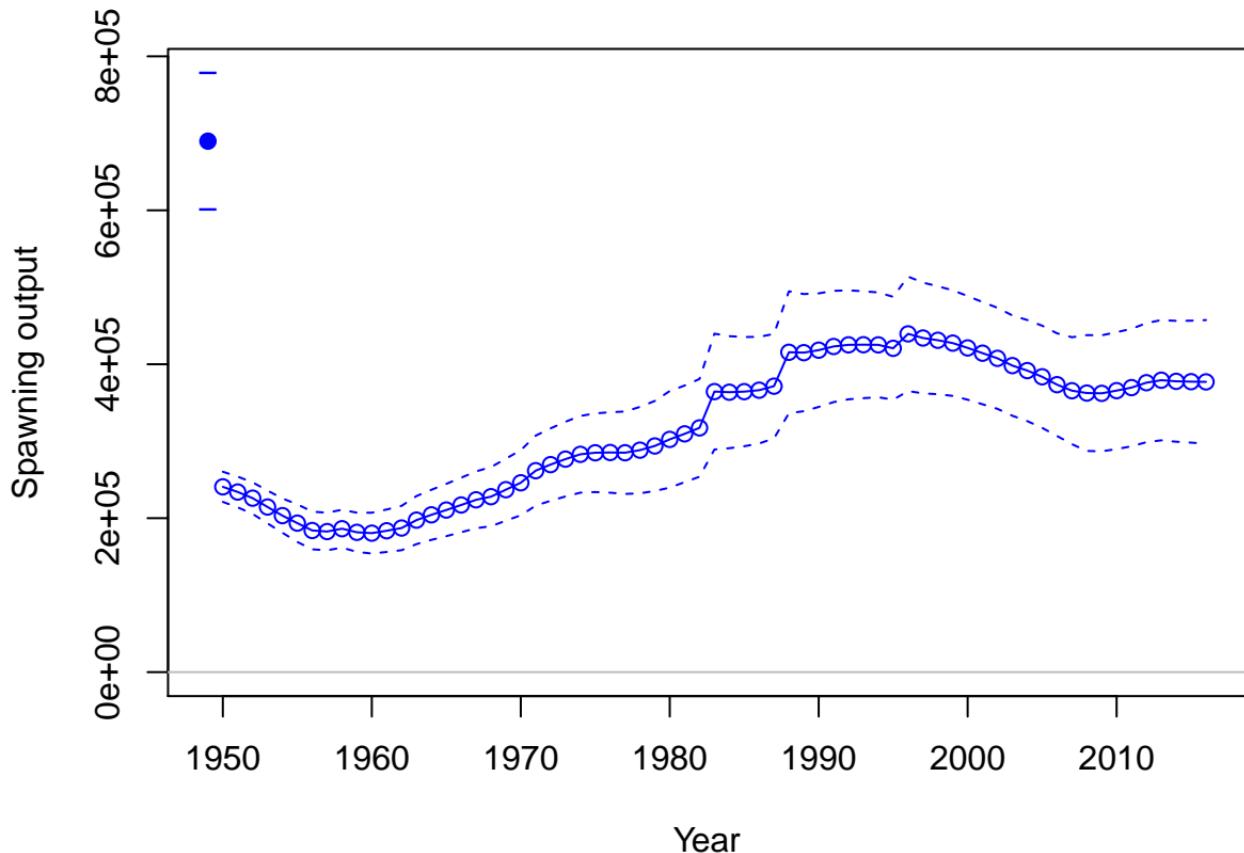
Summary biomass (mt)



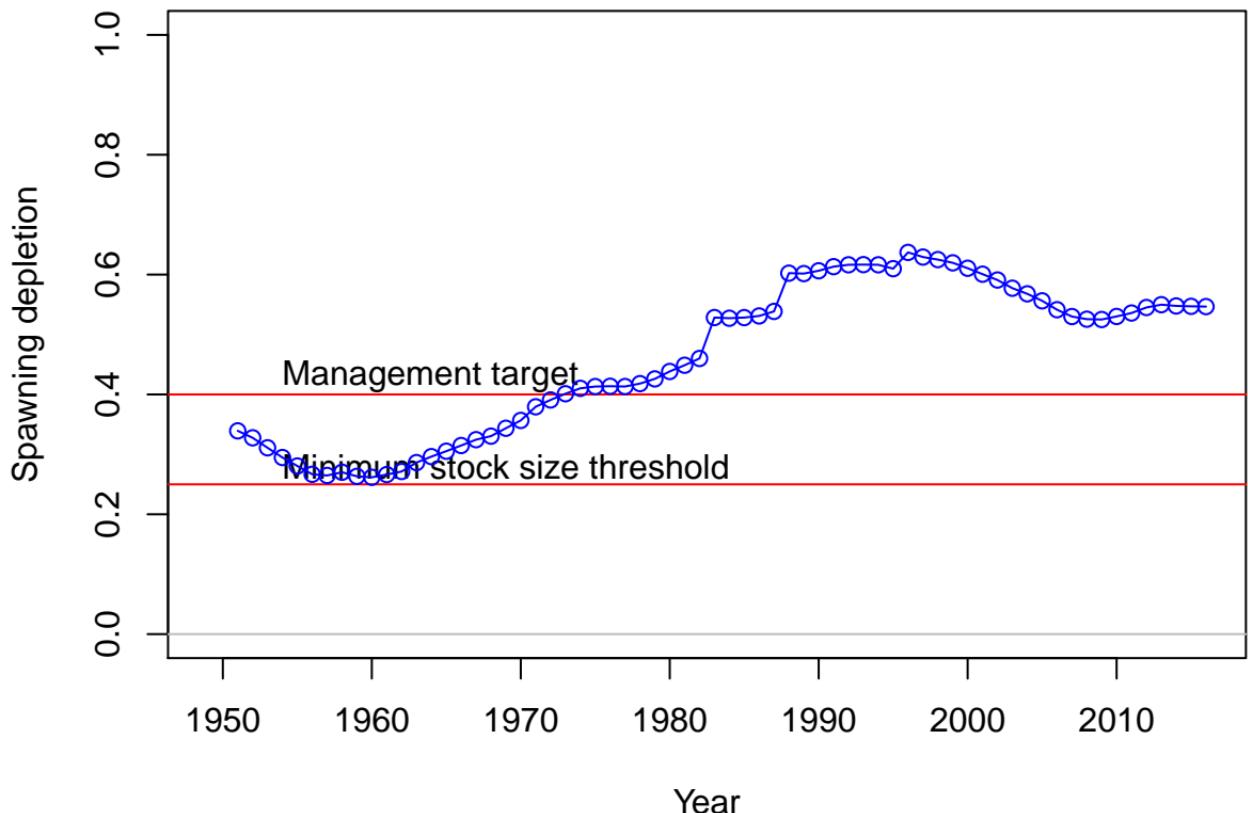
Spawning output



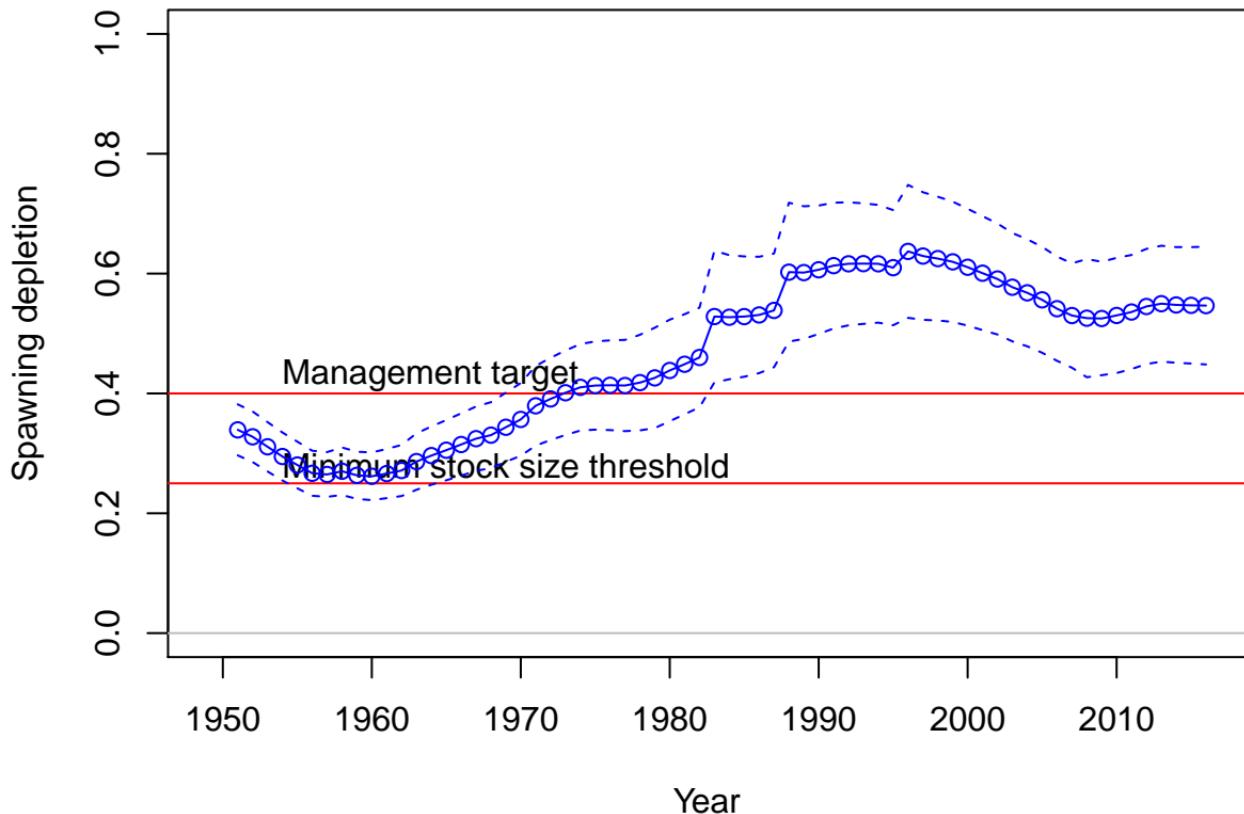
Spawning output with ~95% asymptotic intervals



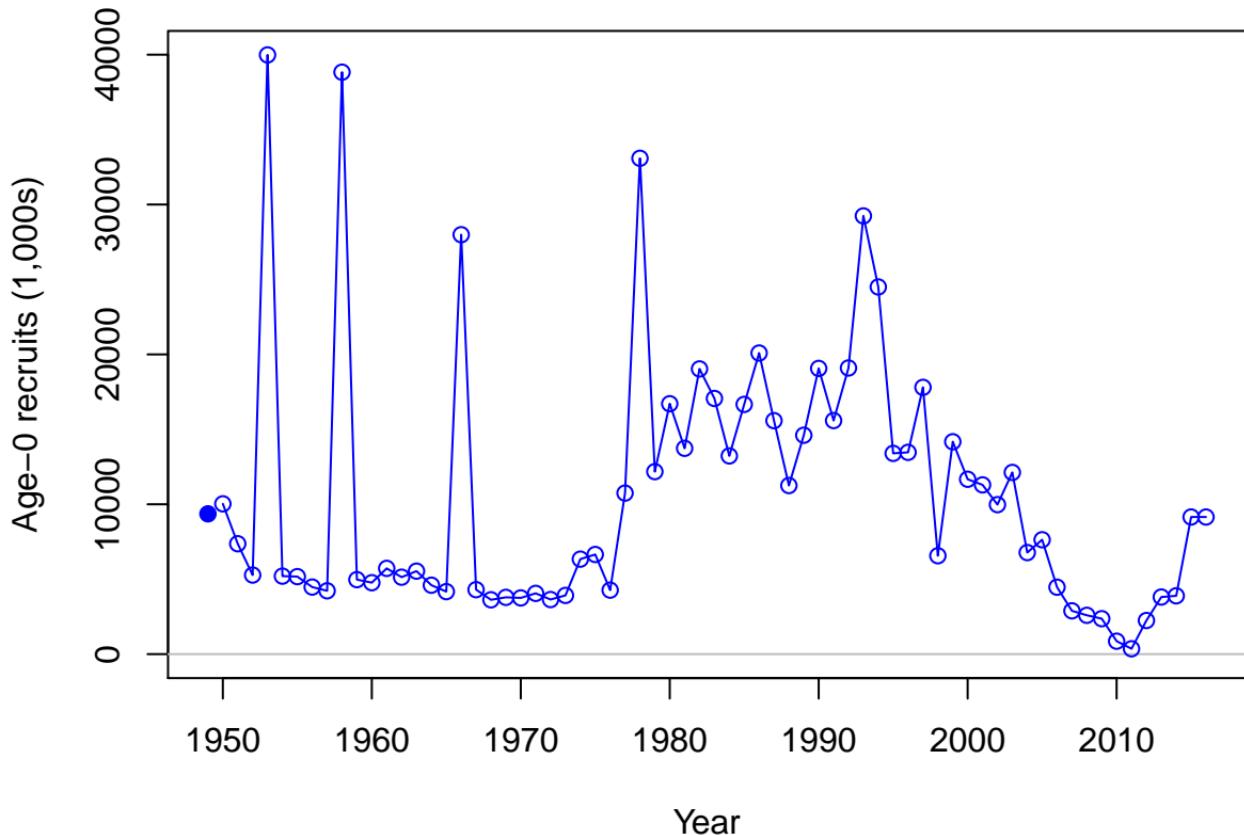
Spawning depletion



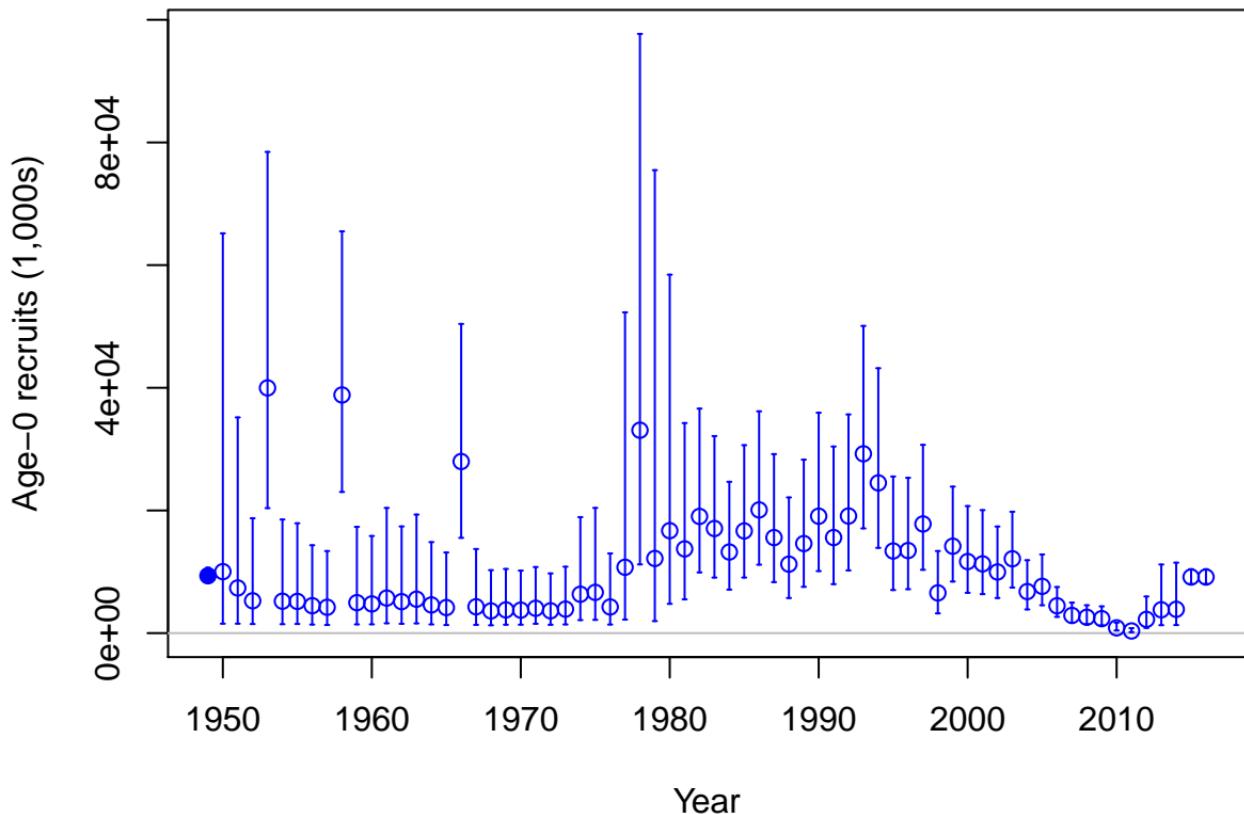
Spawning depletion with ~95% asymptotic intervals

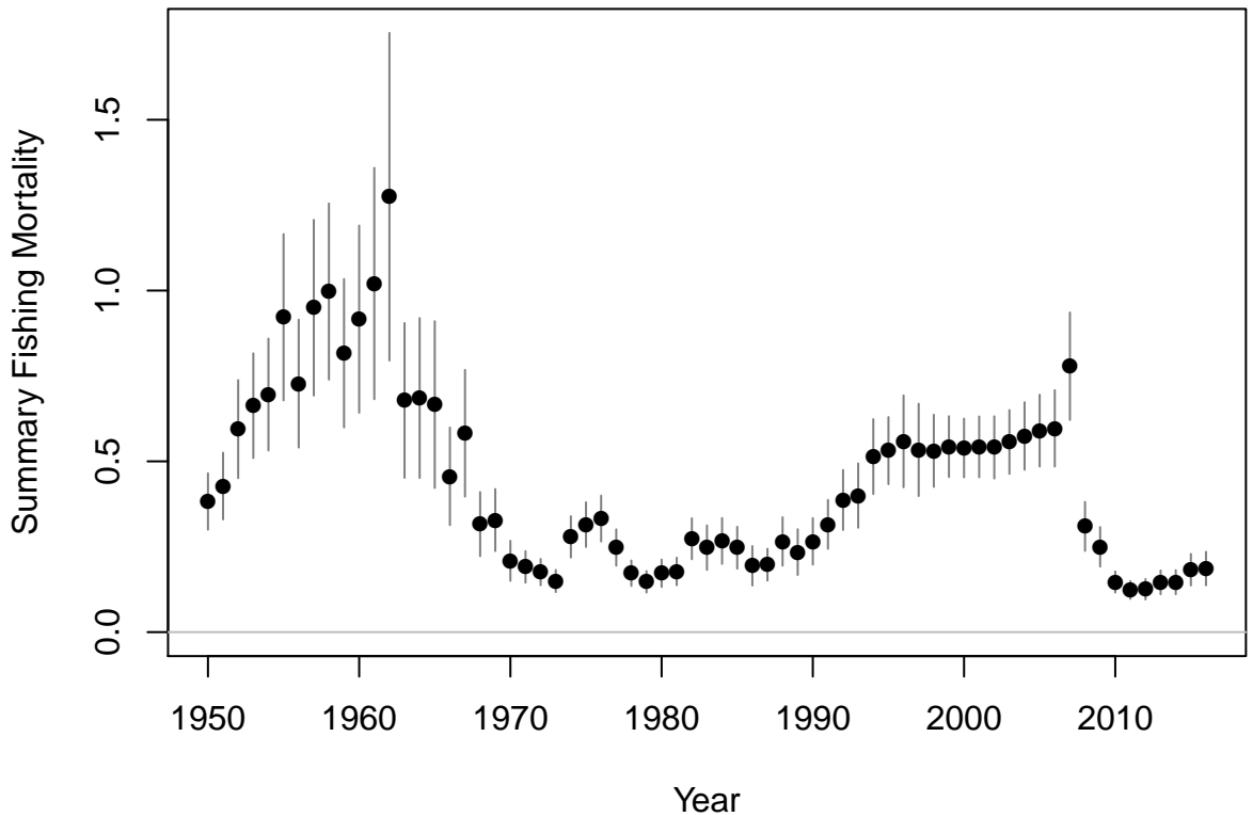


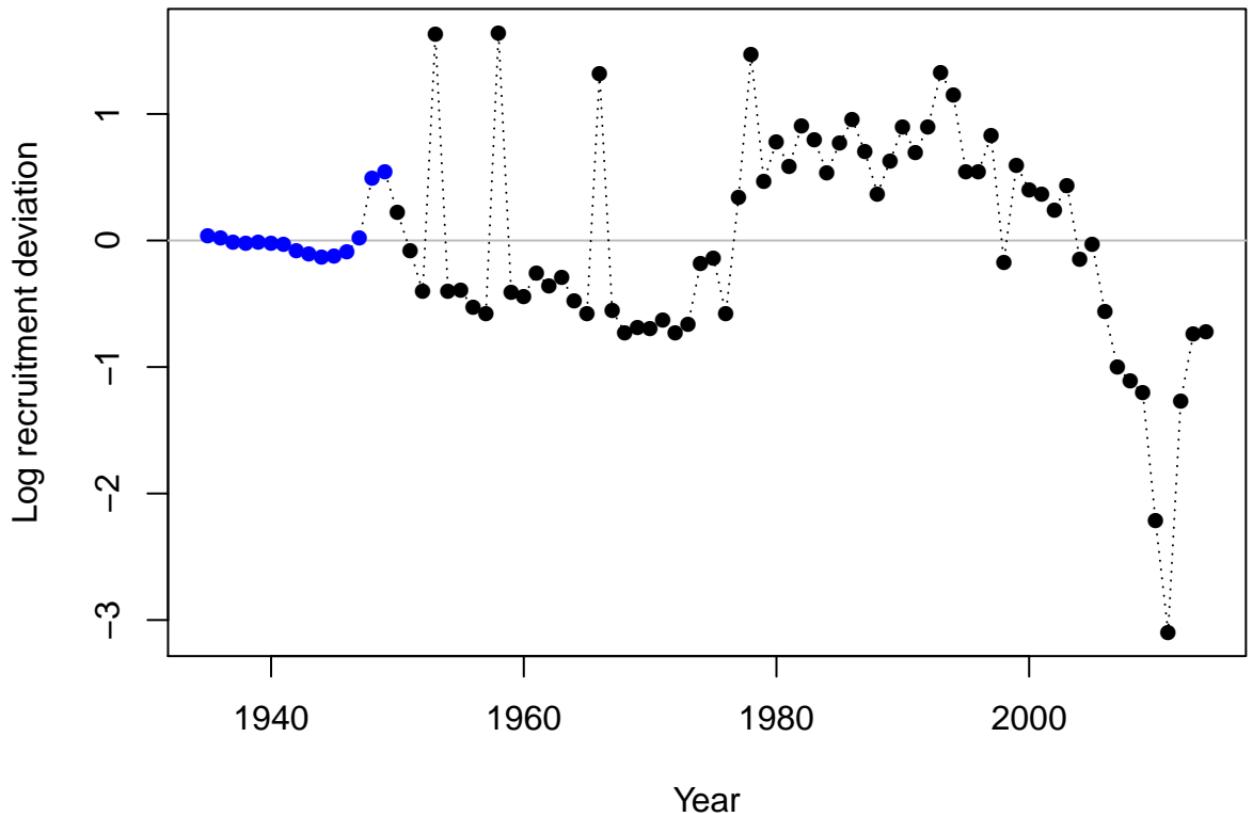
Age-0 recruits (1,000s)

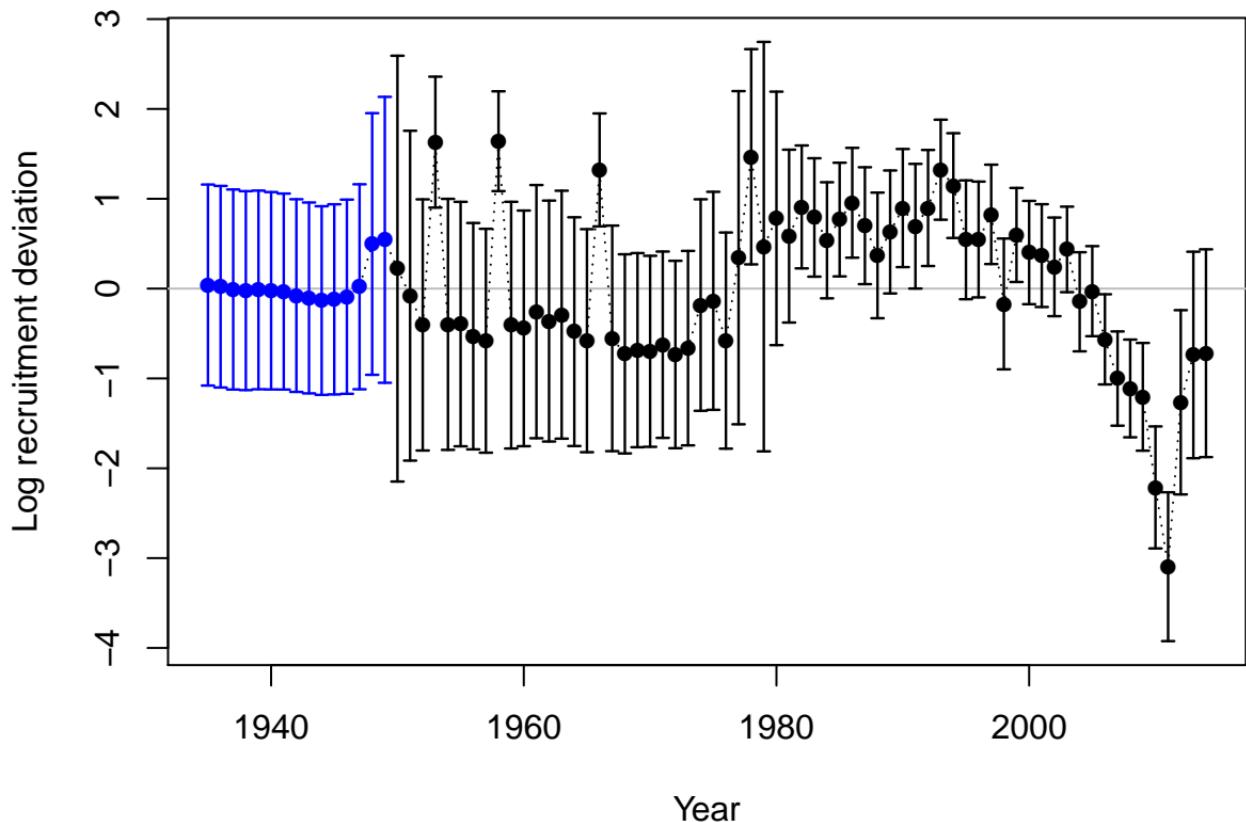


Age-0 recruits (1,000s) with ~95% asymptotic intervals

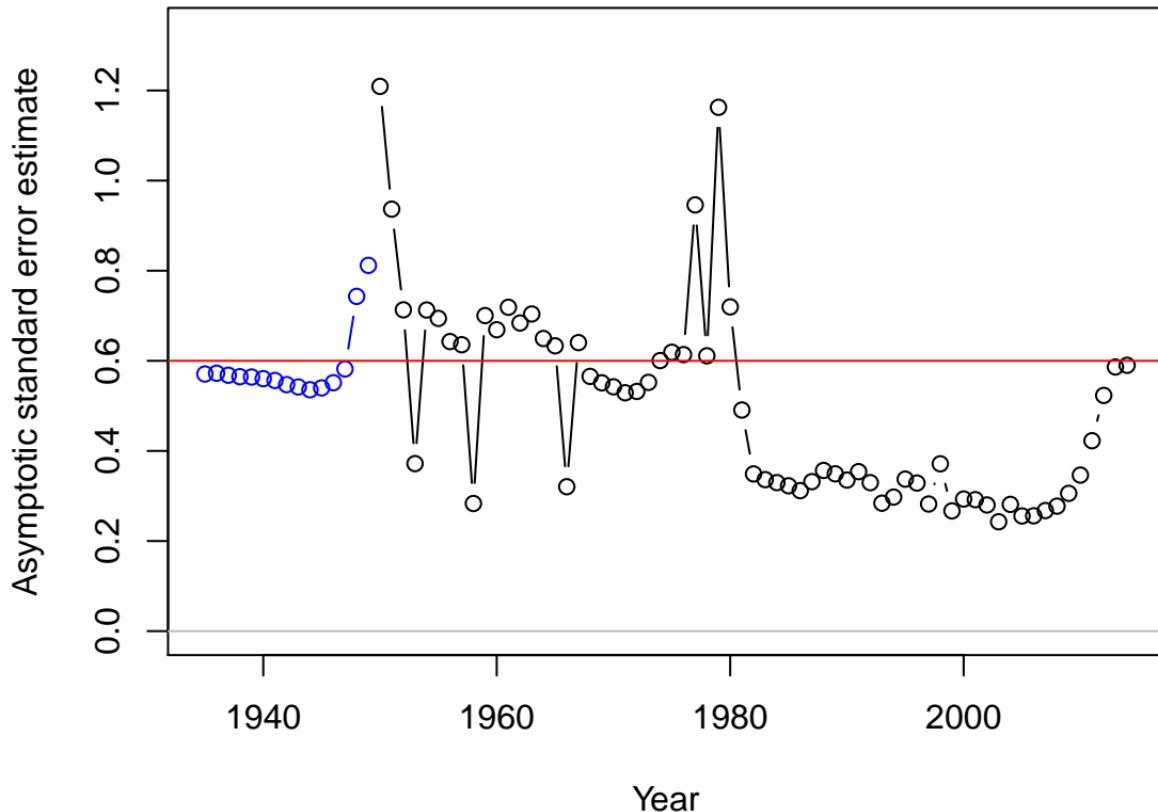


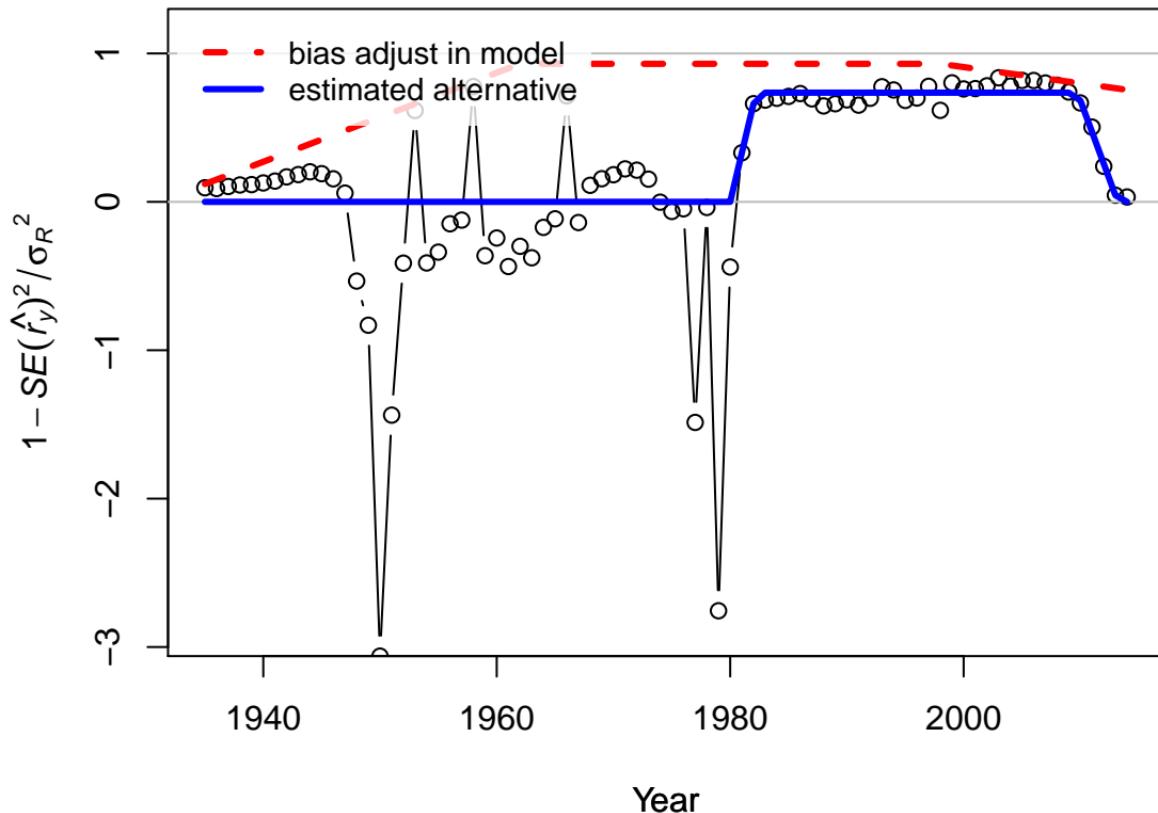


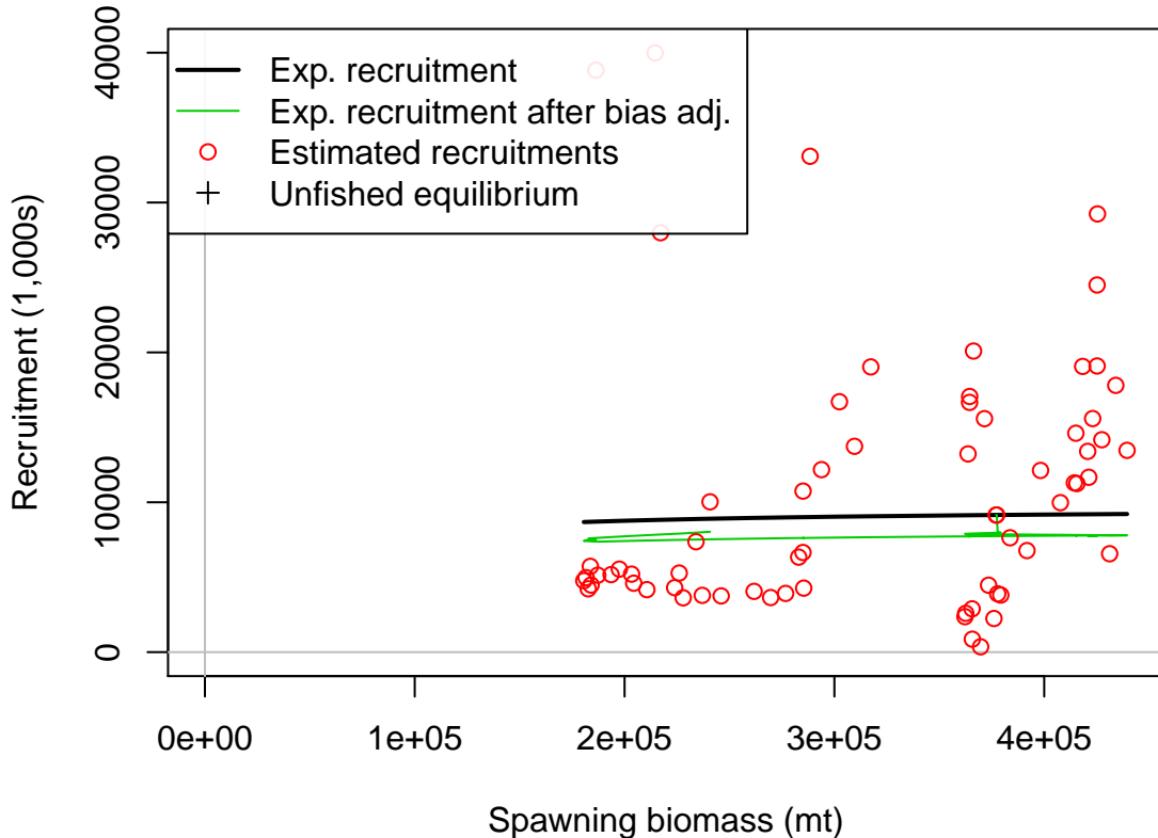


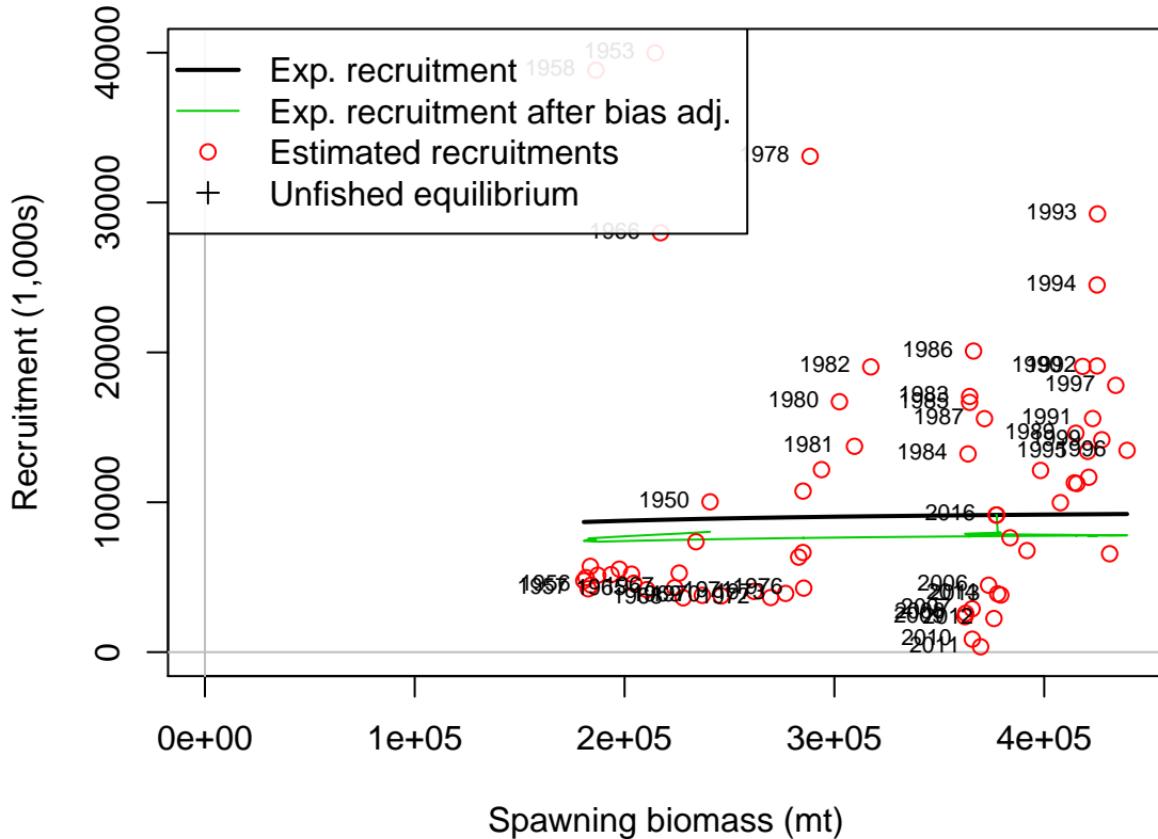


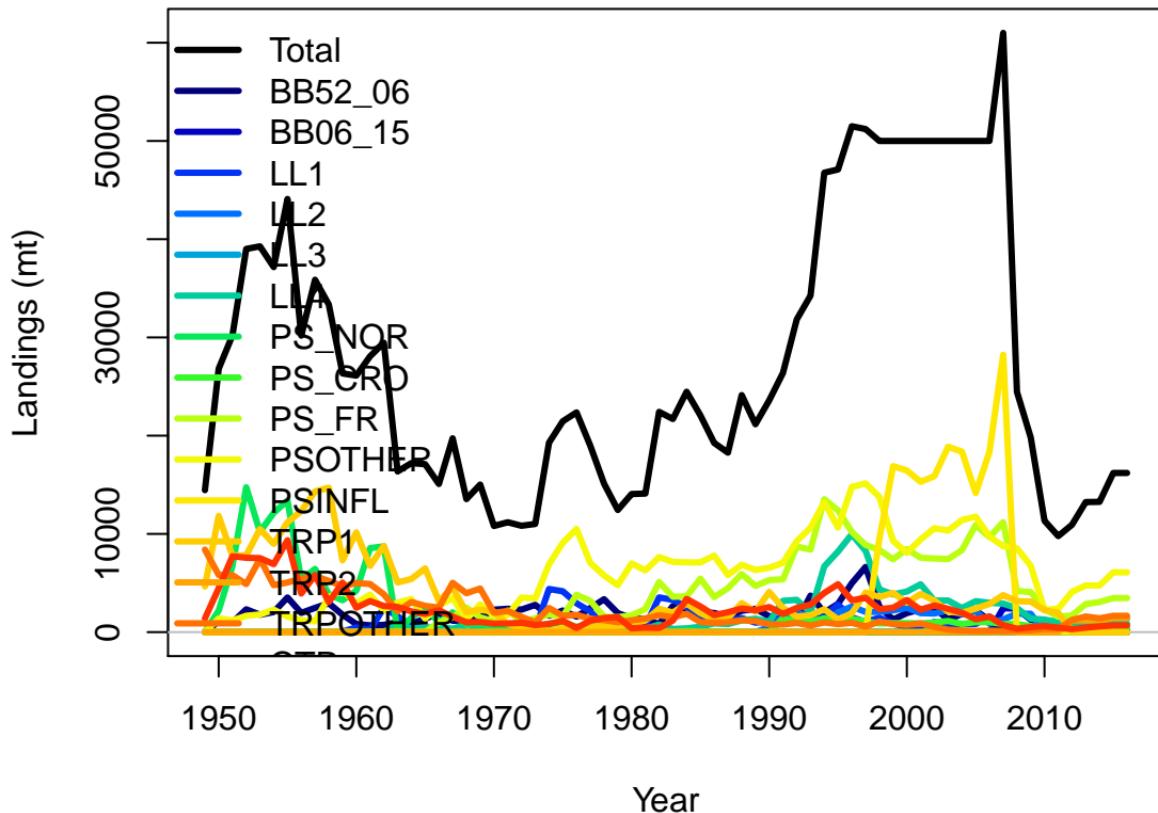
Recruitment deviation variance

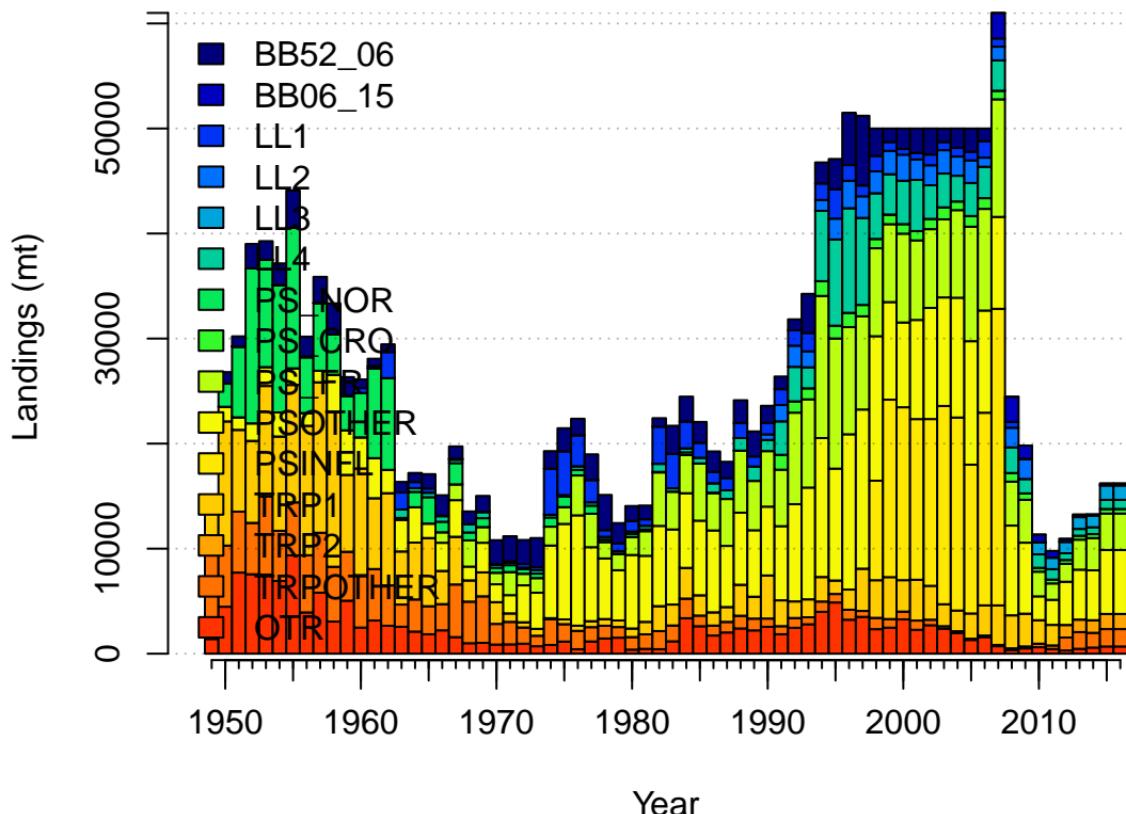


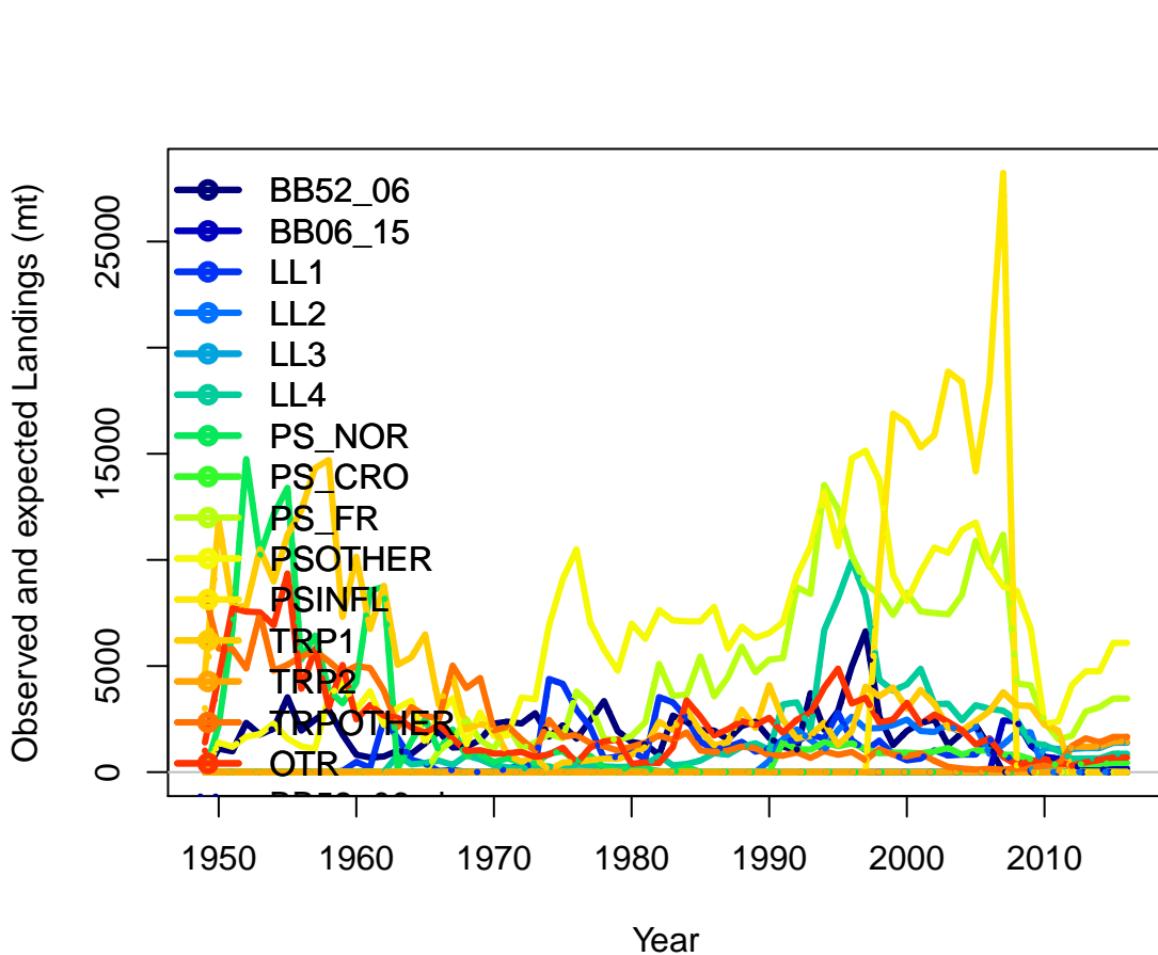


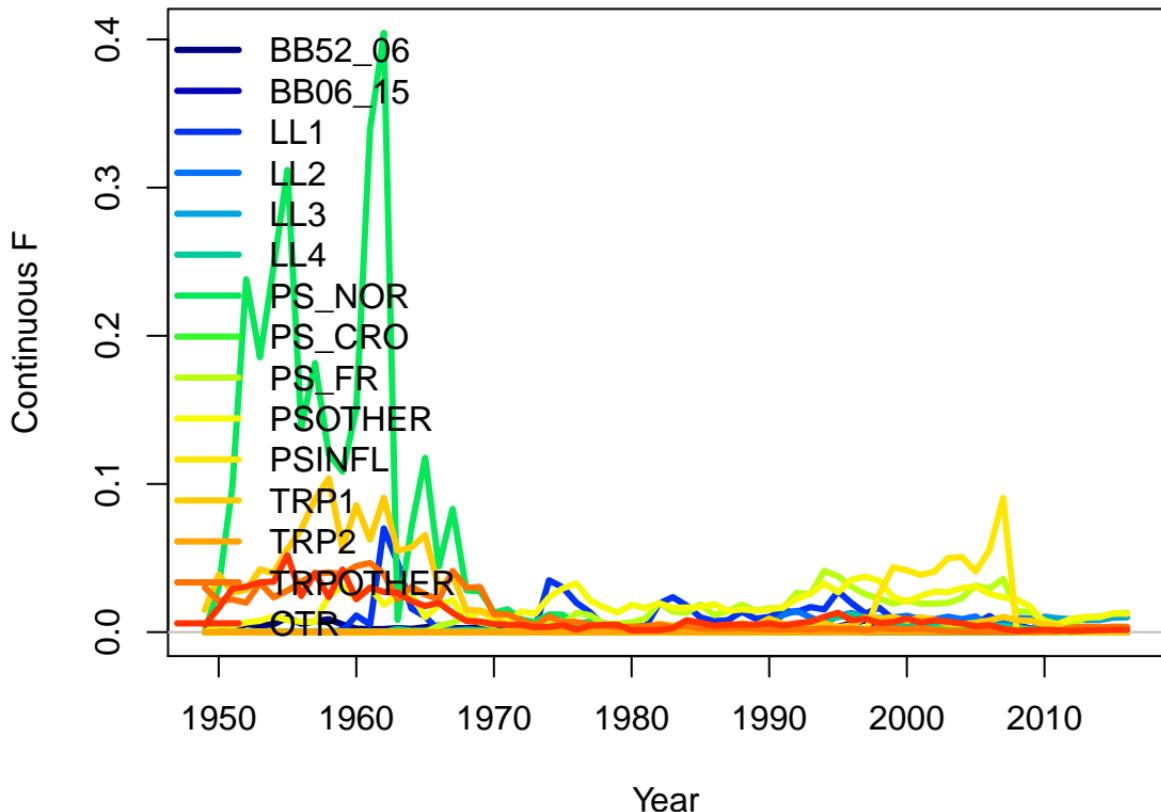


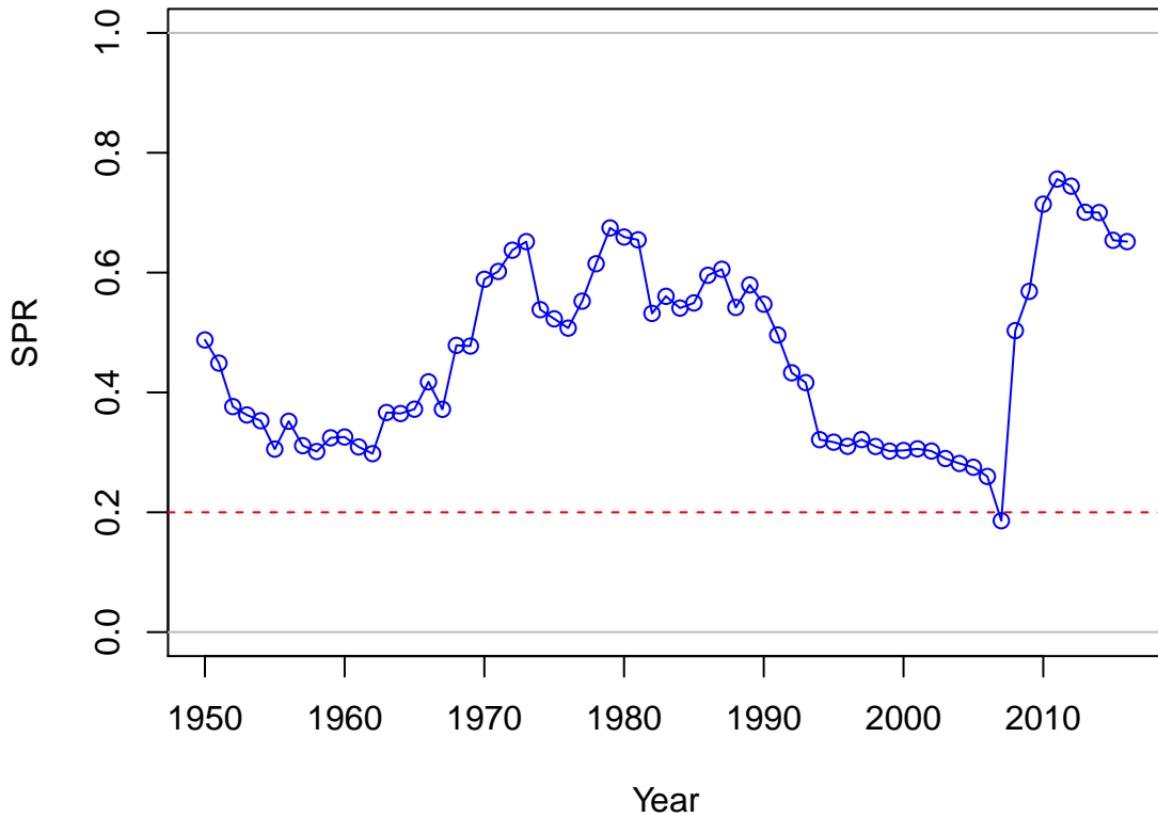


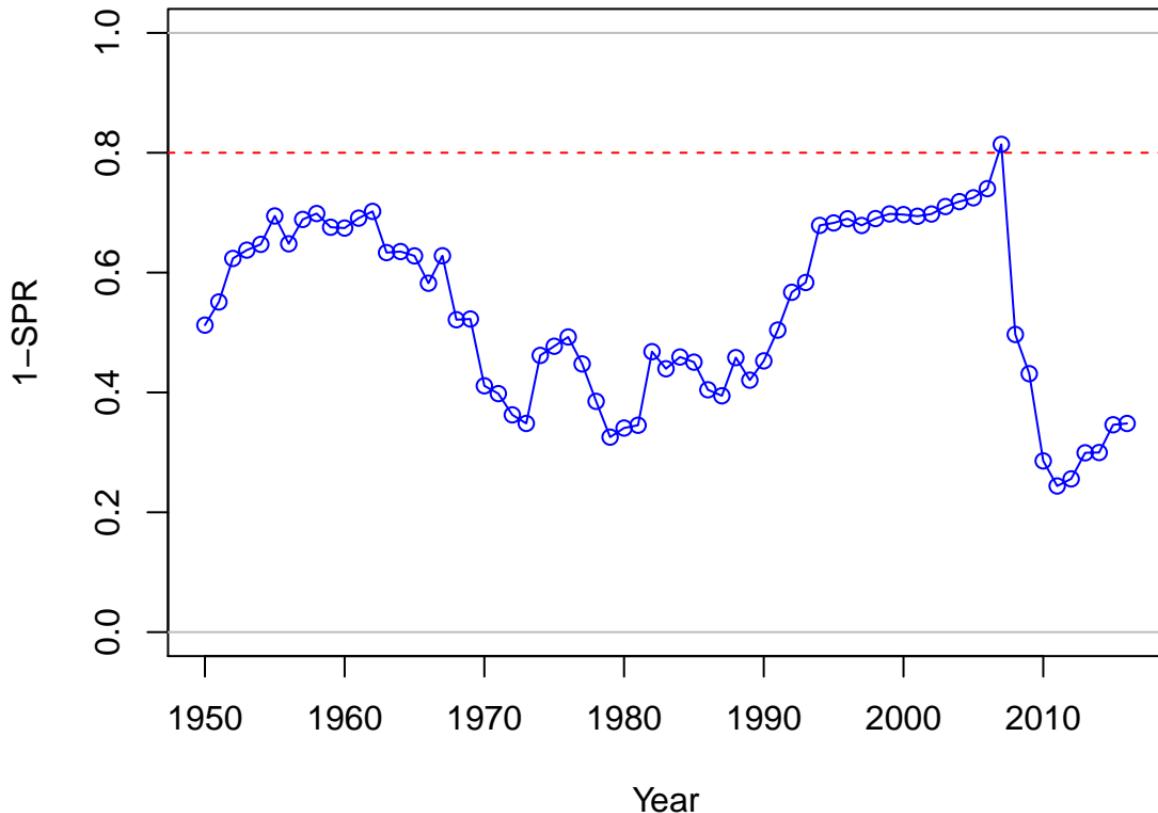


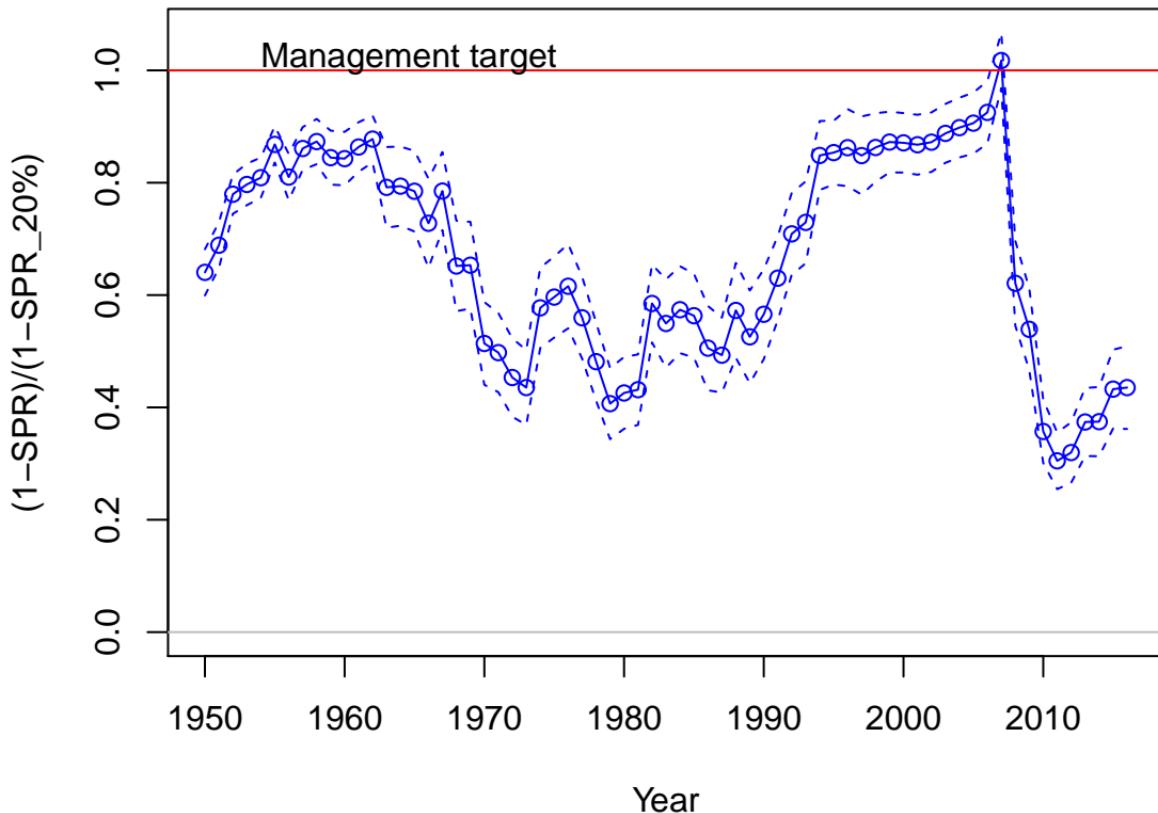


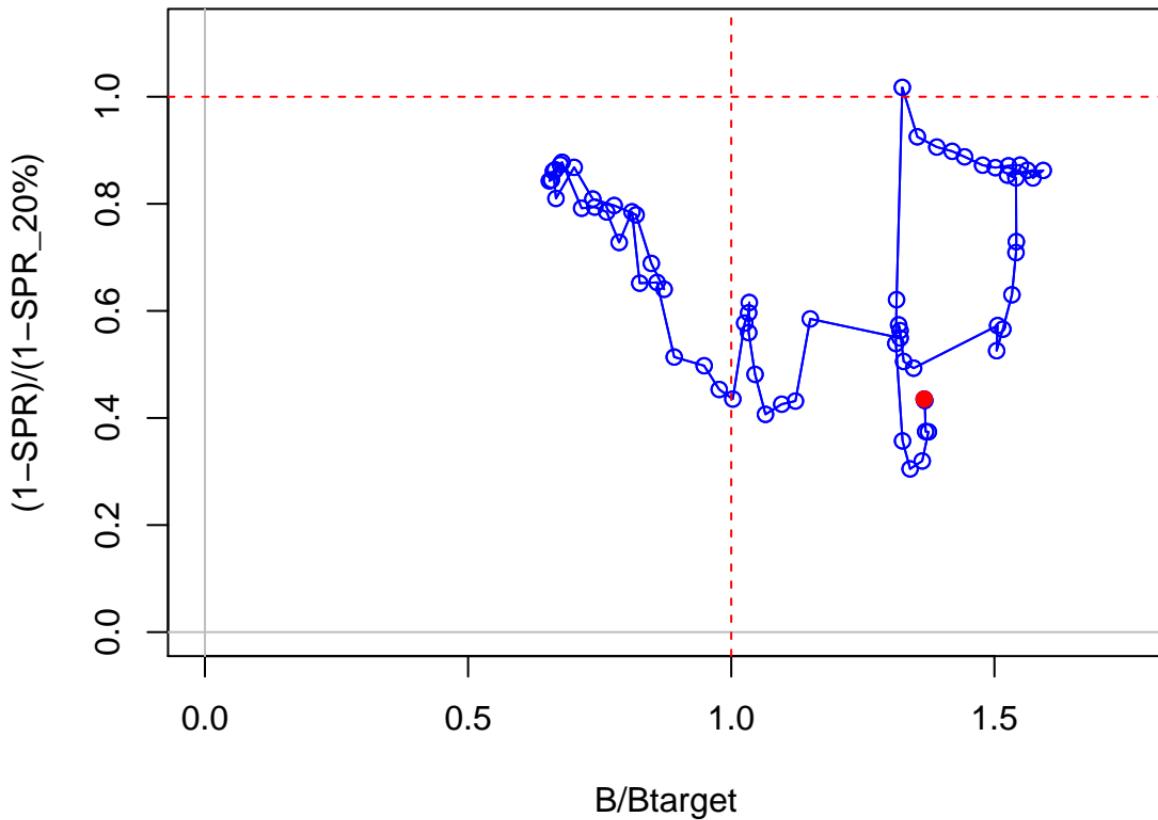




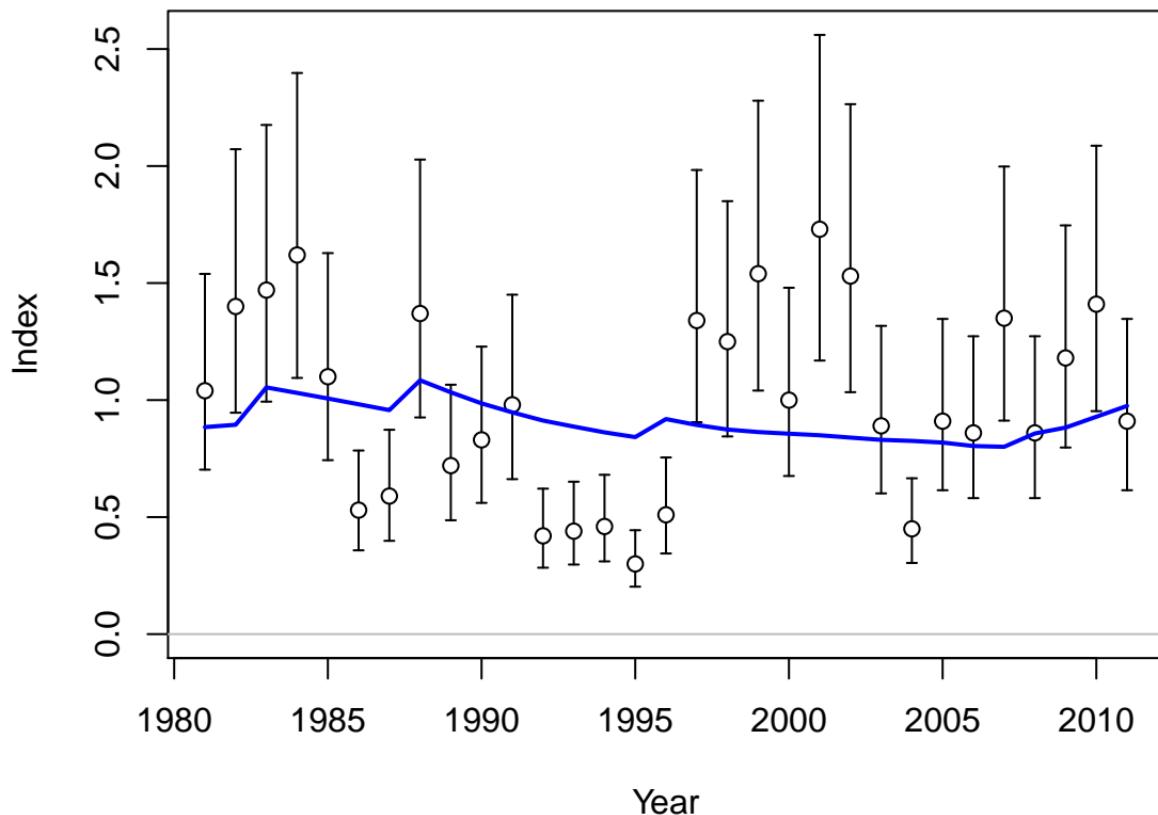




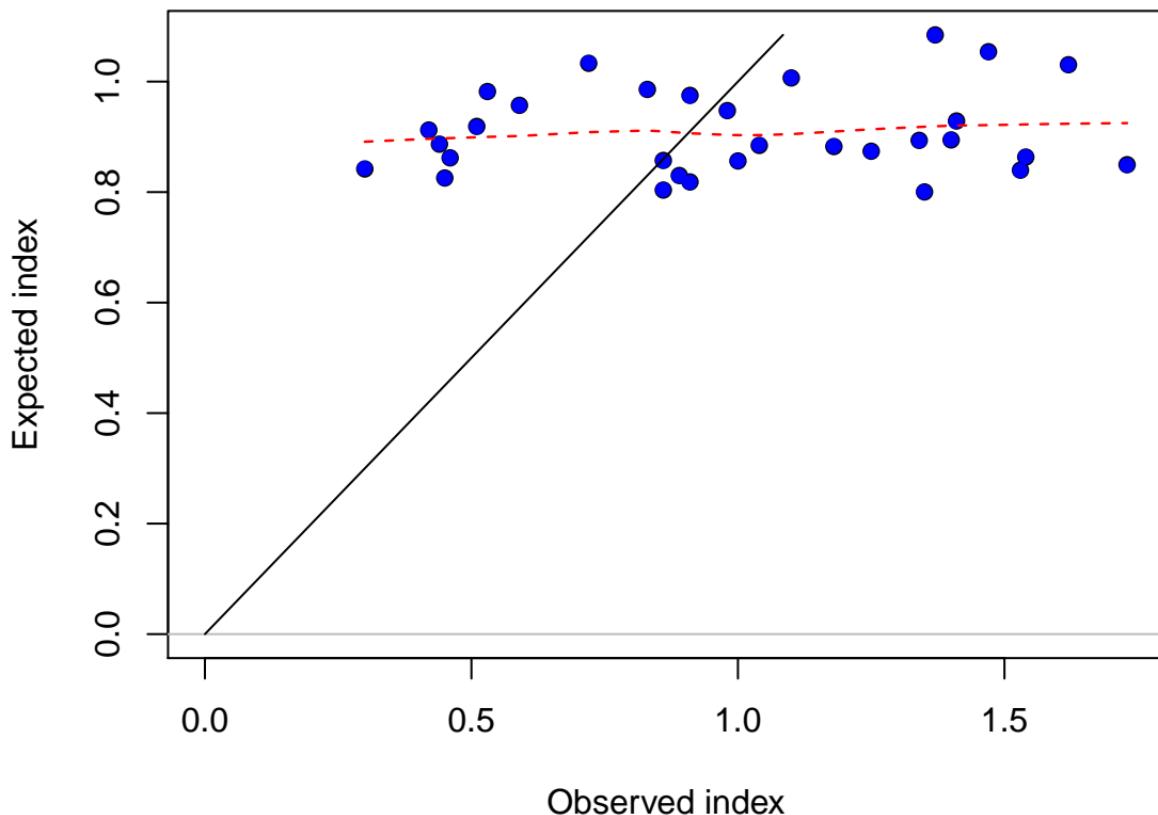




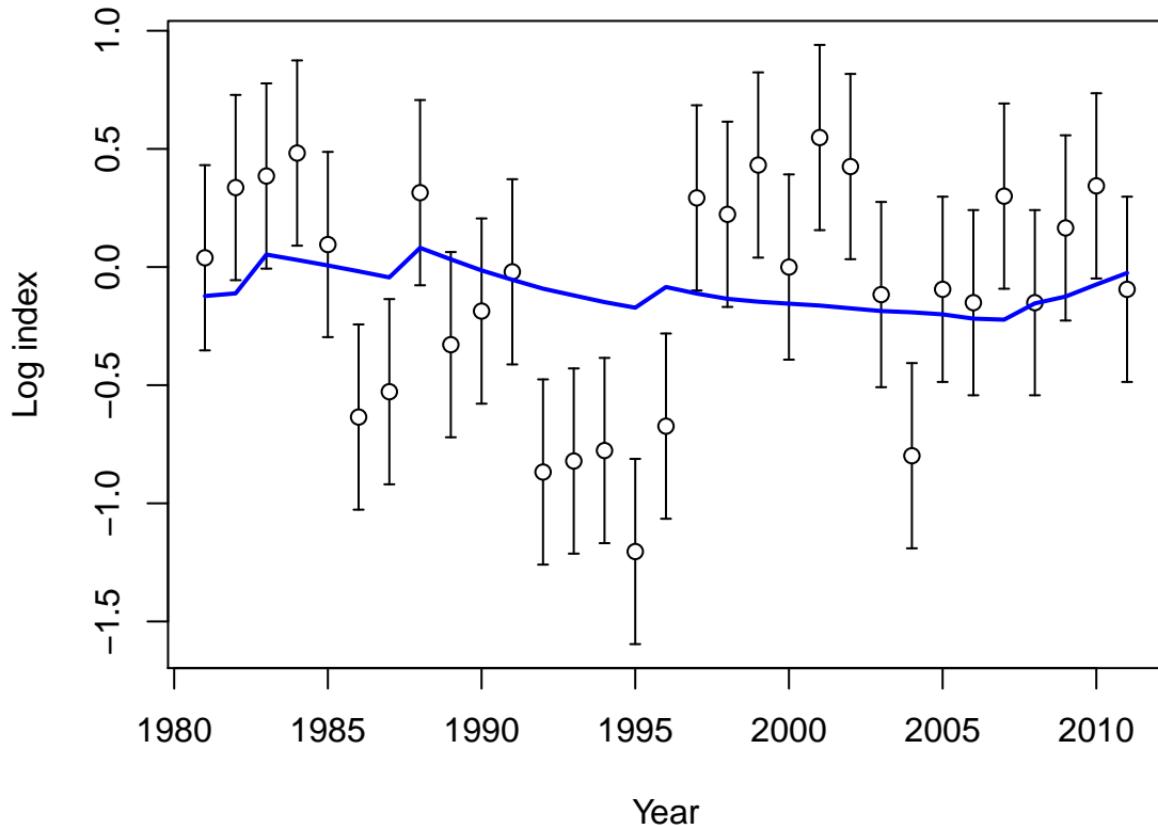
Index MOR1



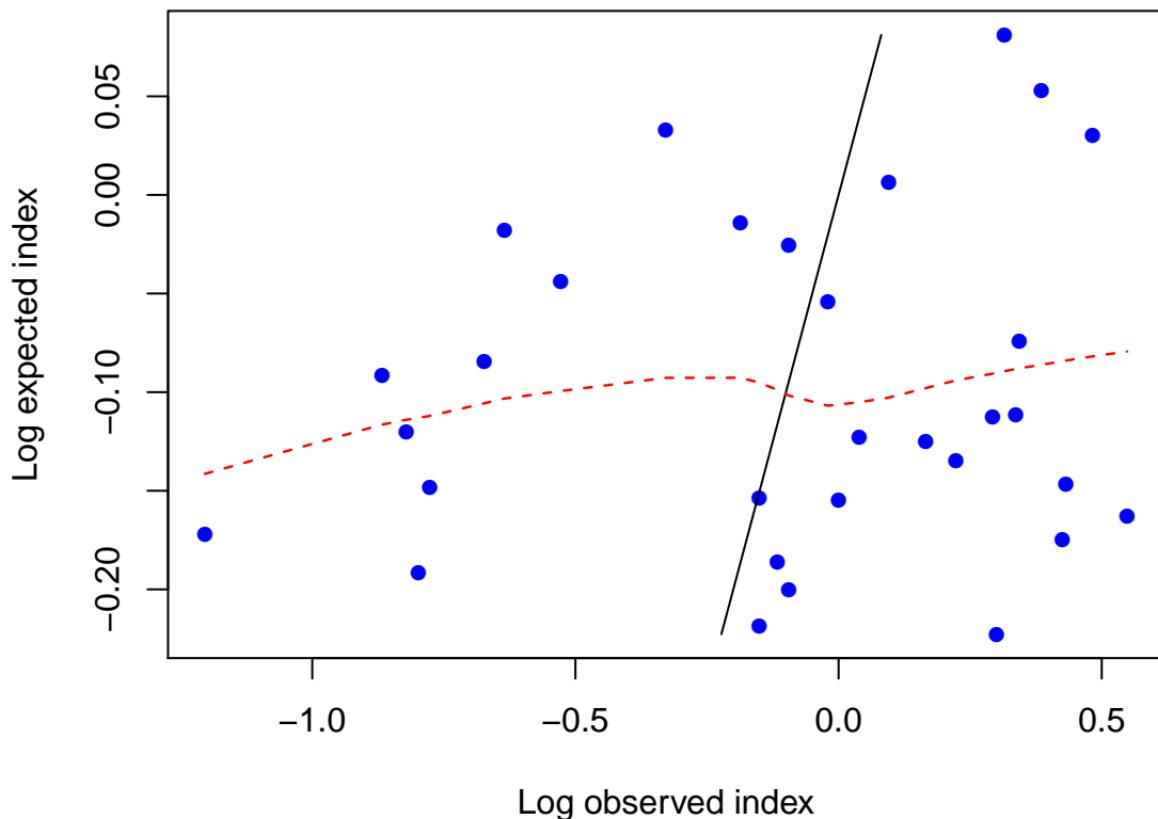
Index MOR1



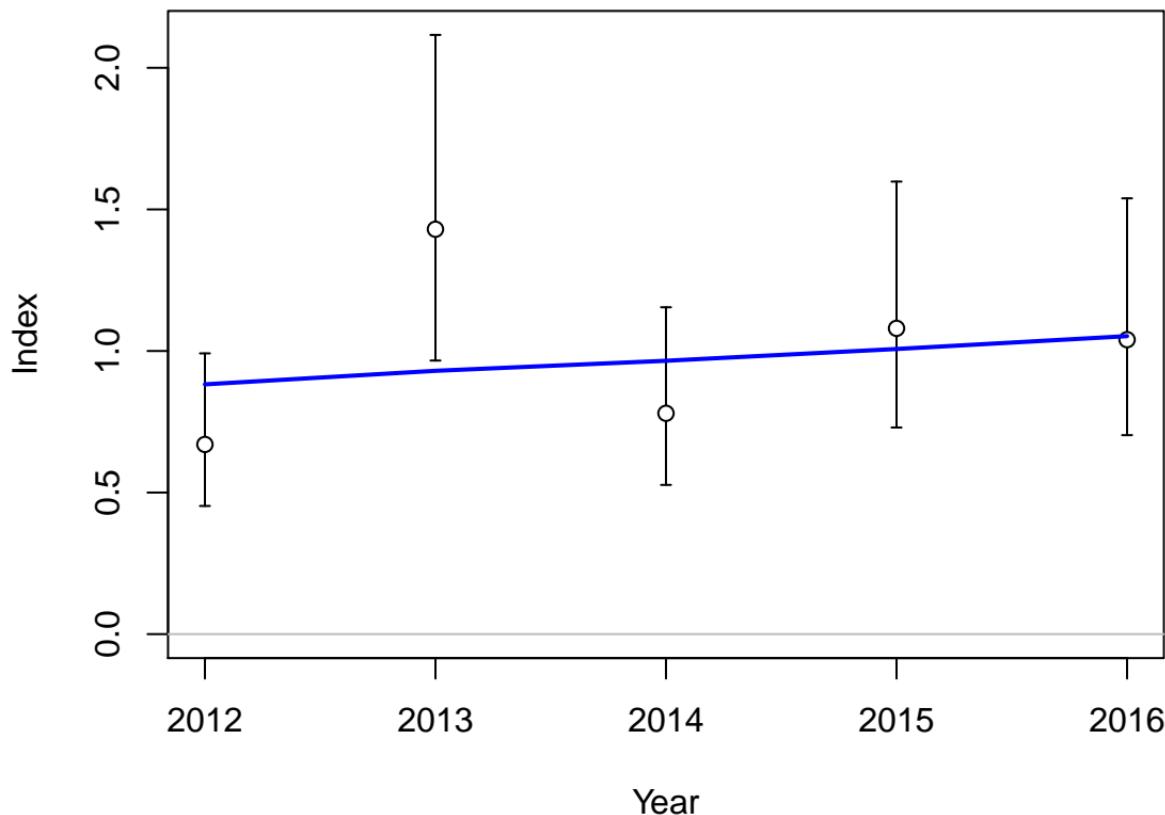
Log index MOR1



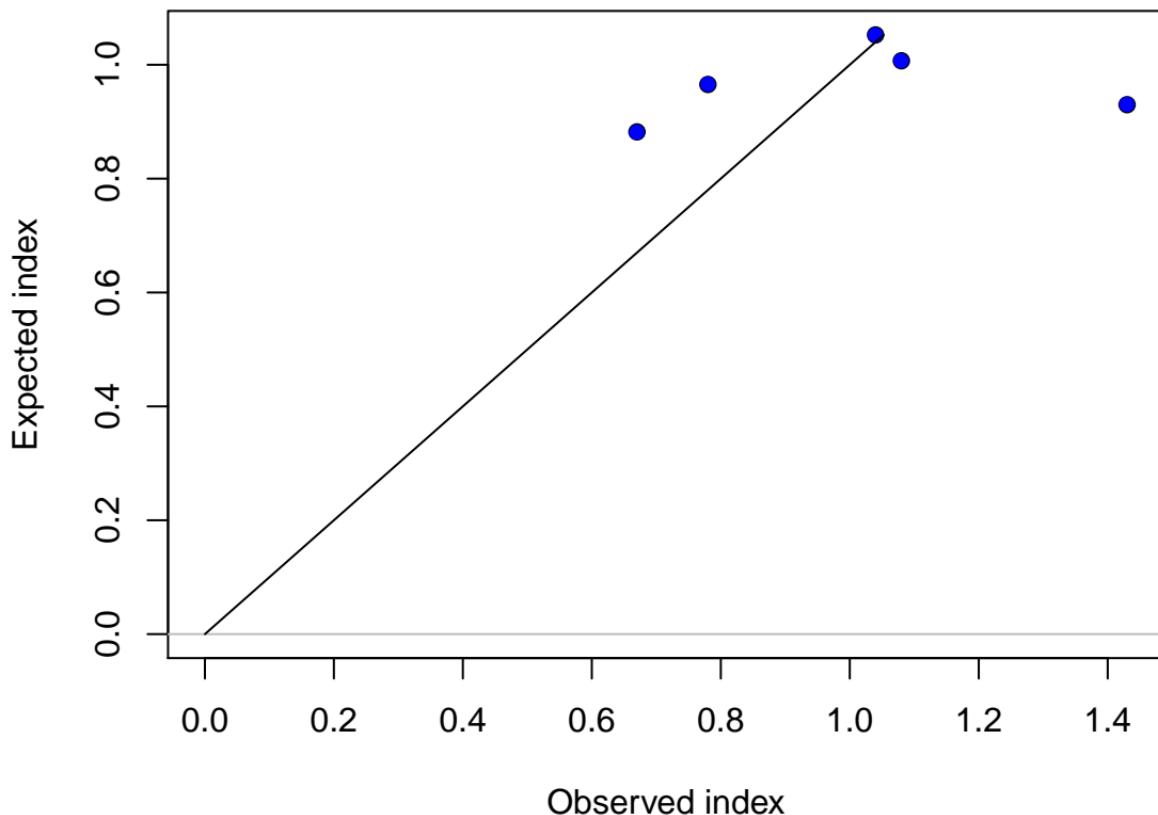
Log index MOR1



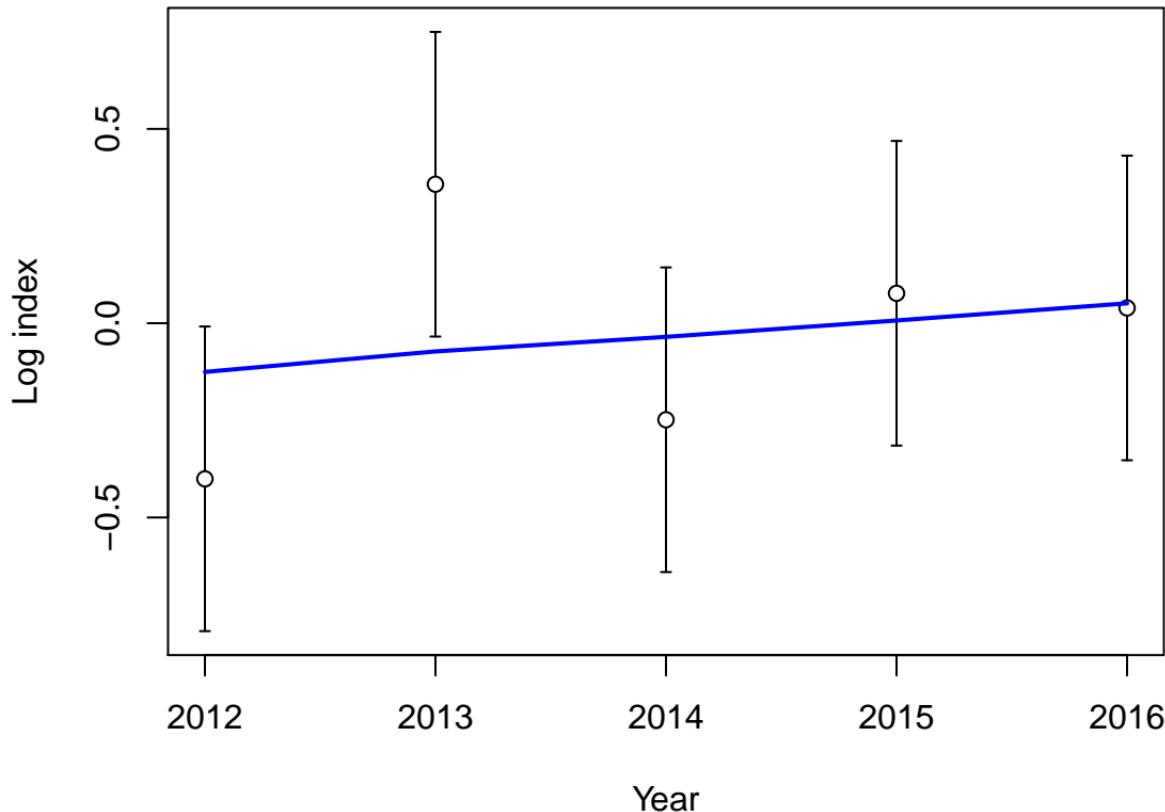
Index MOR2



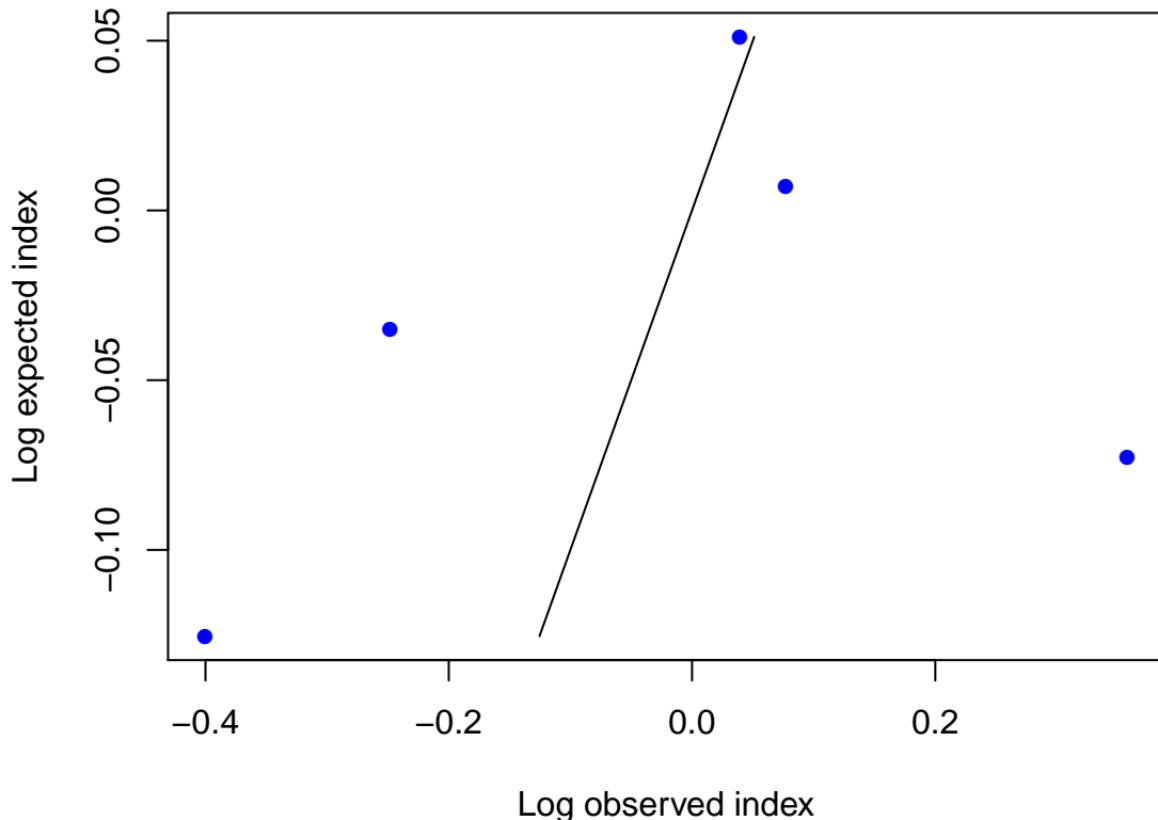
Index MOR2



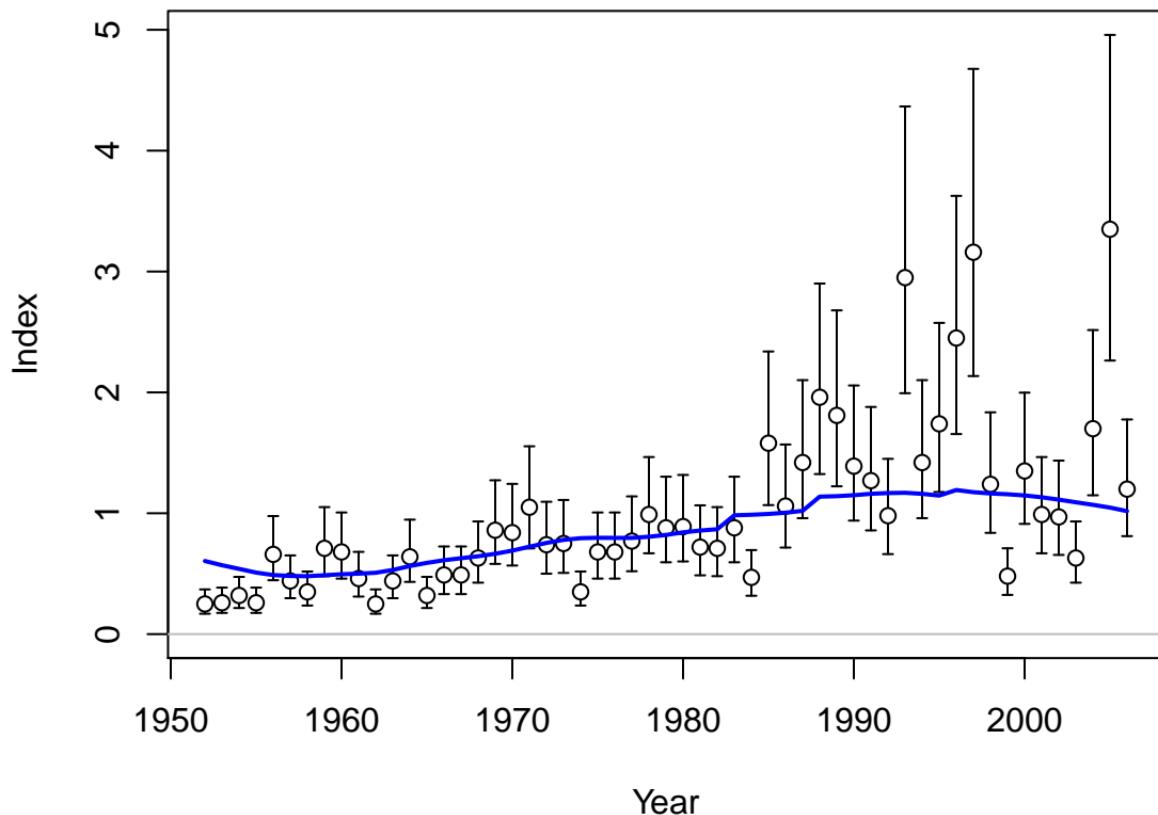
Log index MOR2



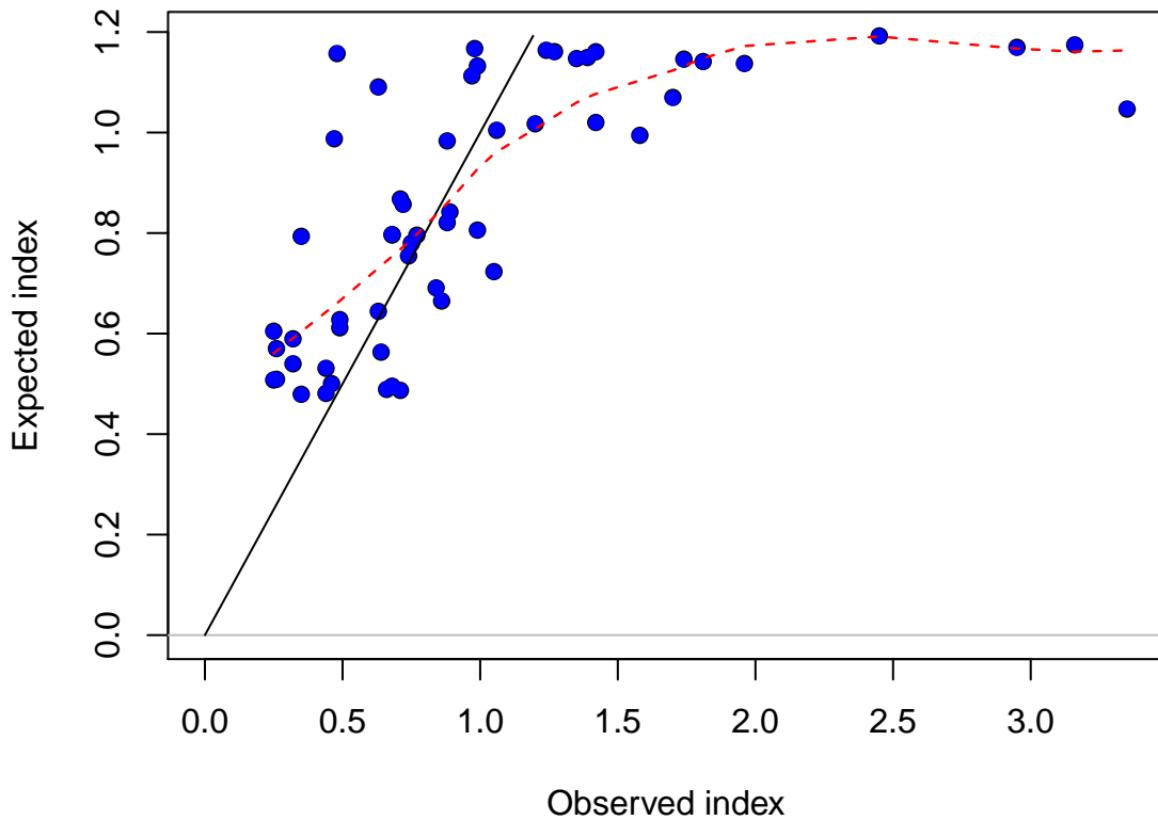
Log index MOR2



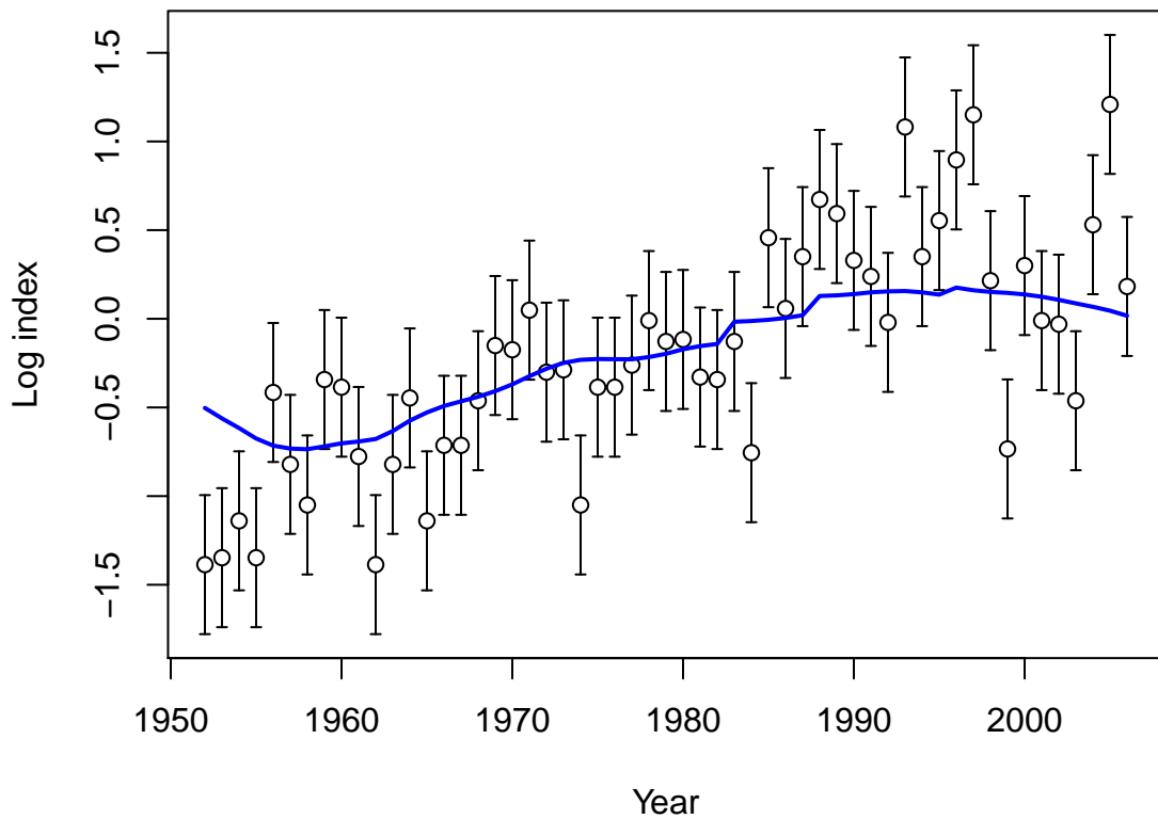
Index SpBB1



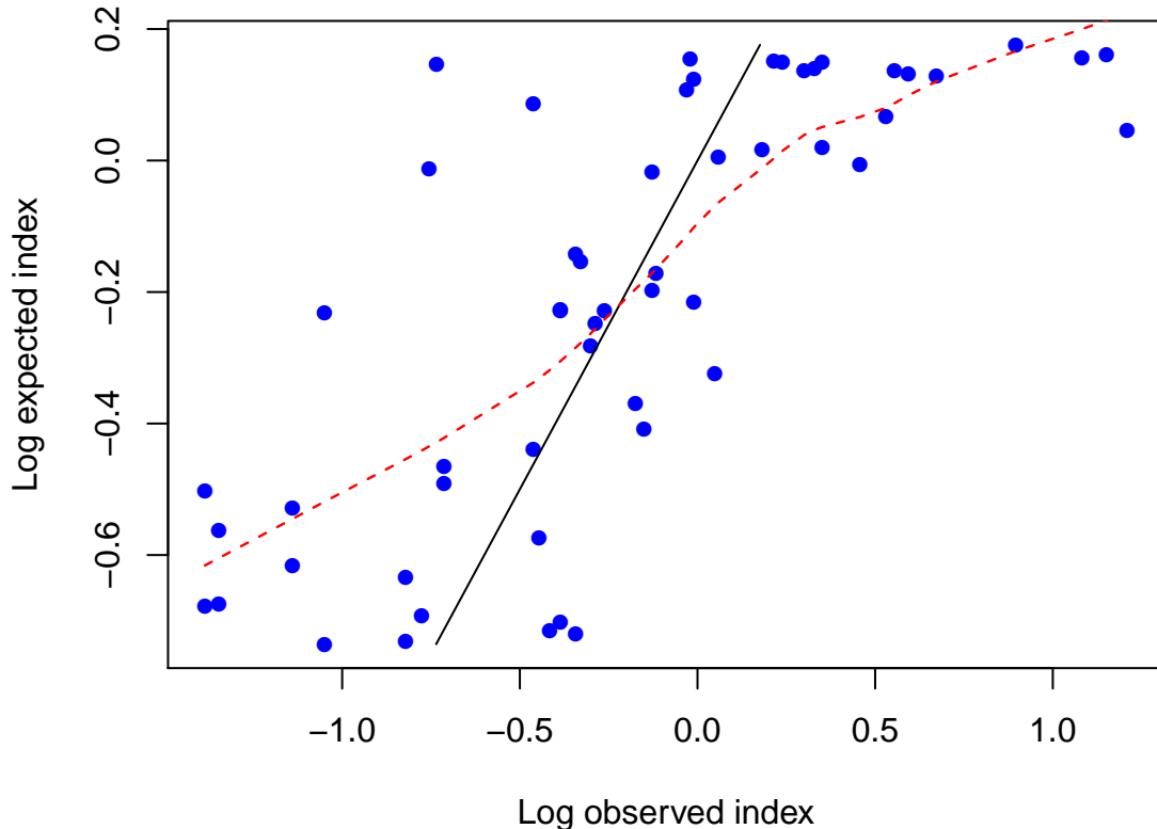
Index SpBB1



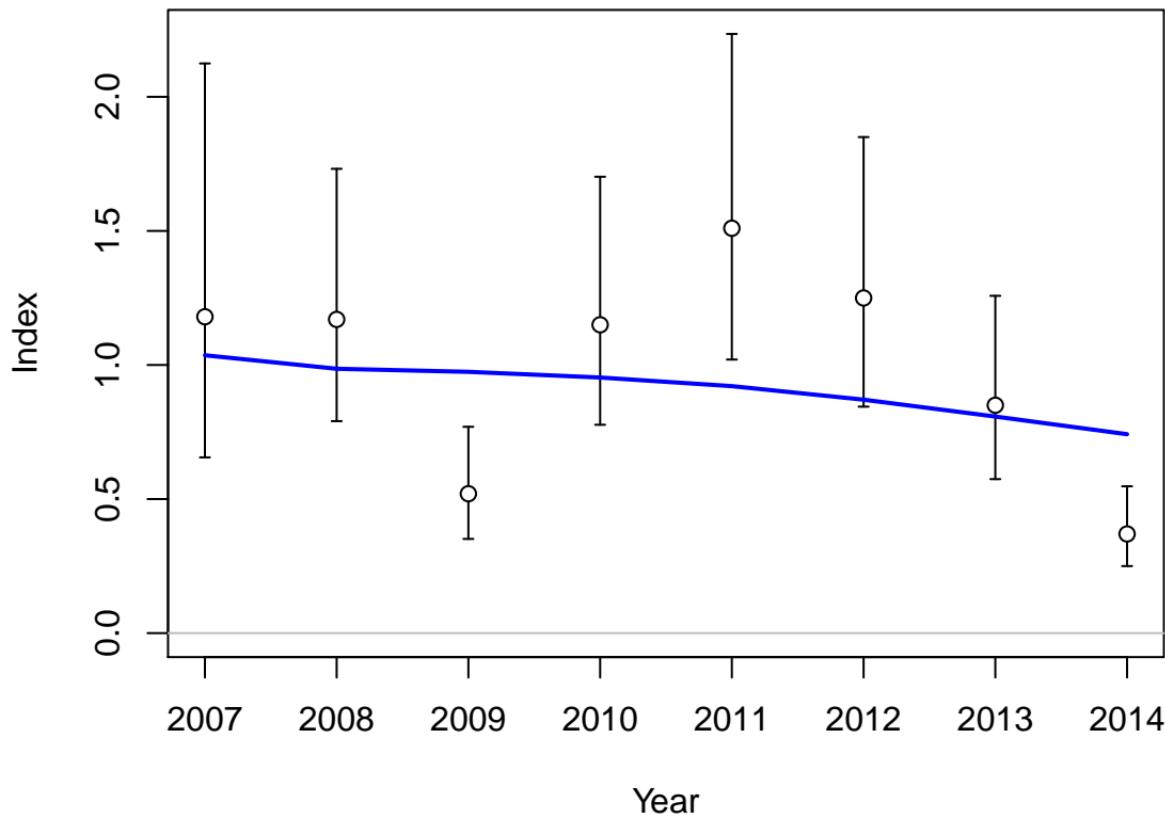
Log index SpBB1



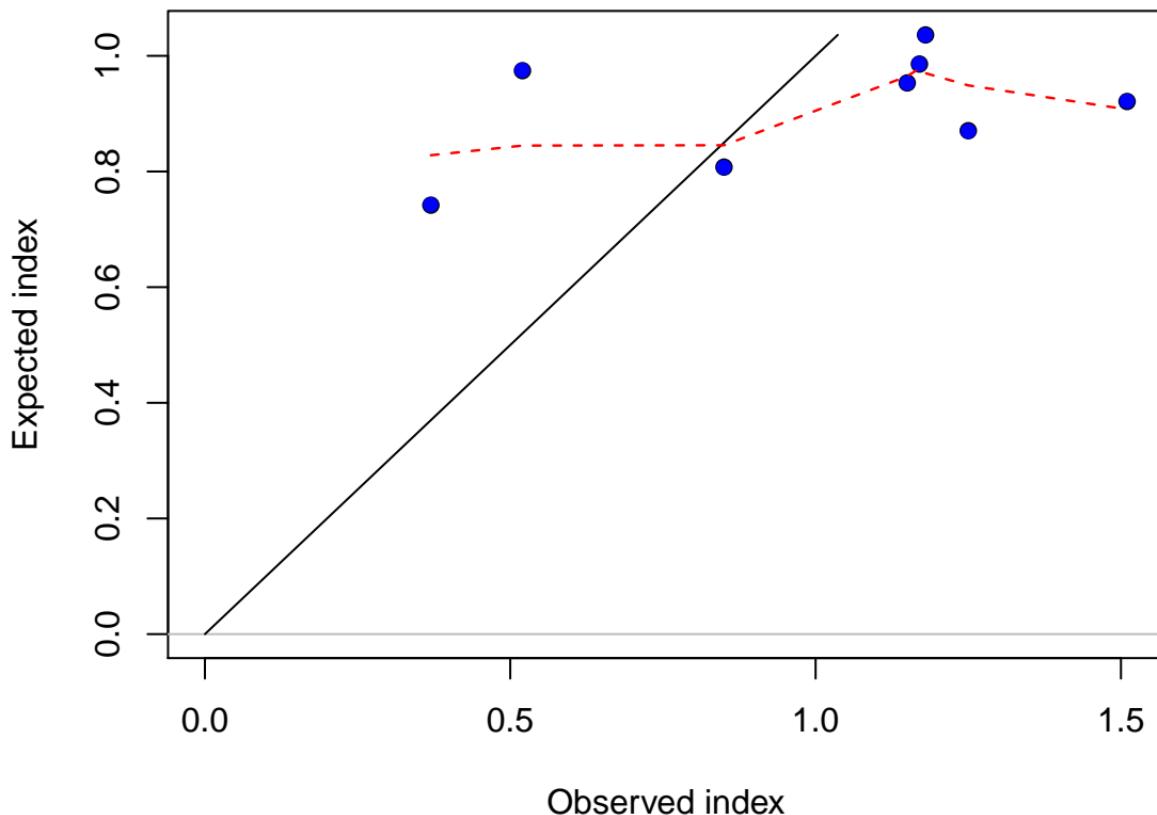
Log index SpBB1



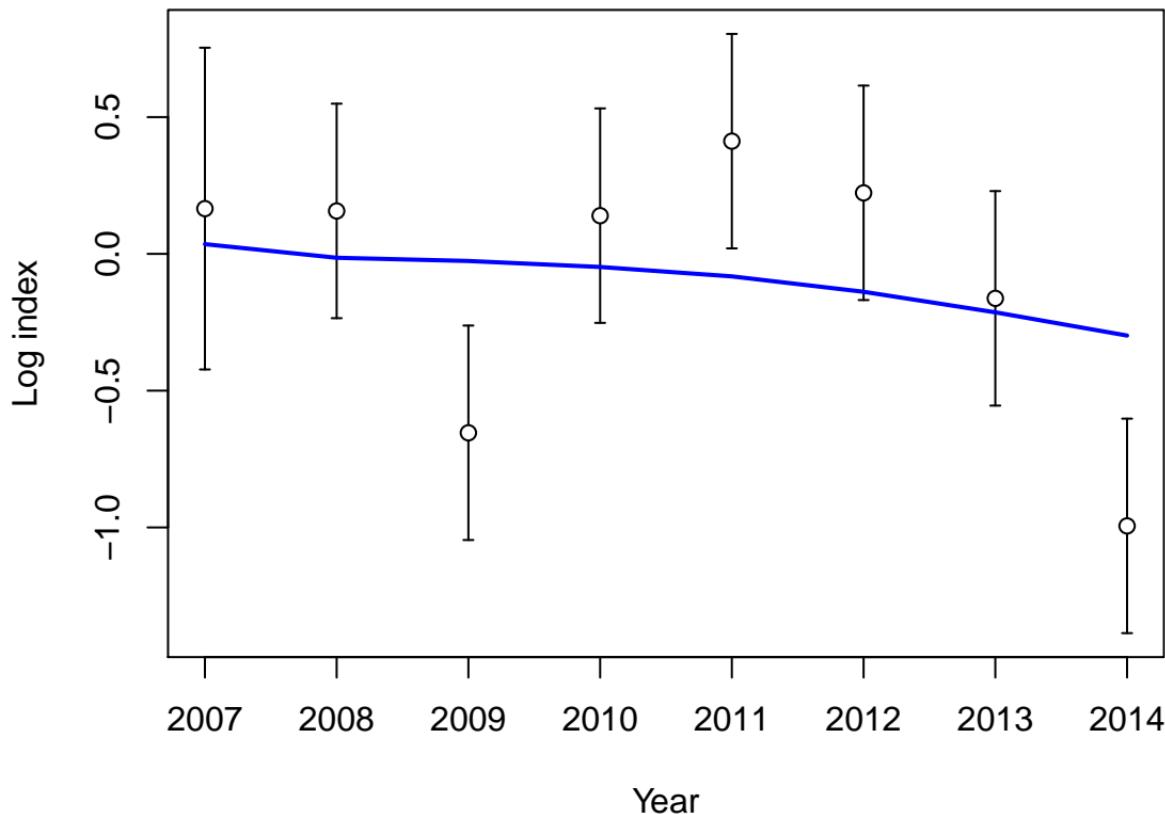
Index SPBB2



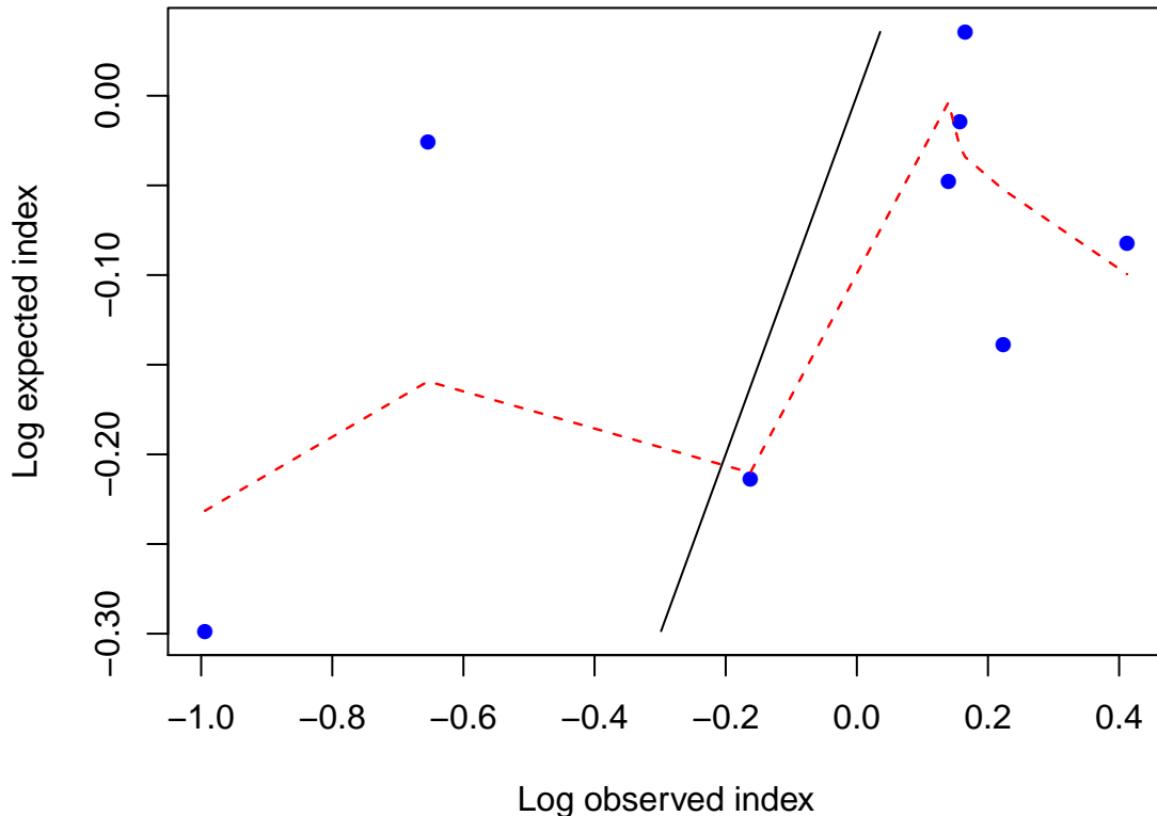
Index SPBB2



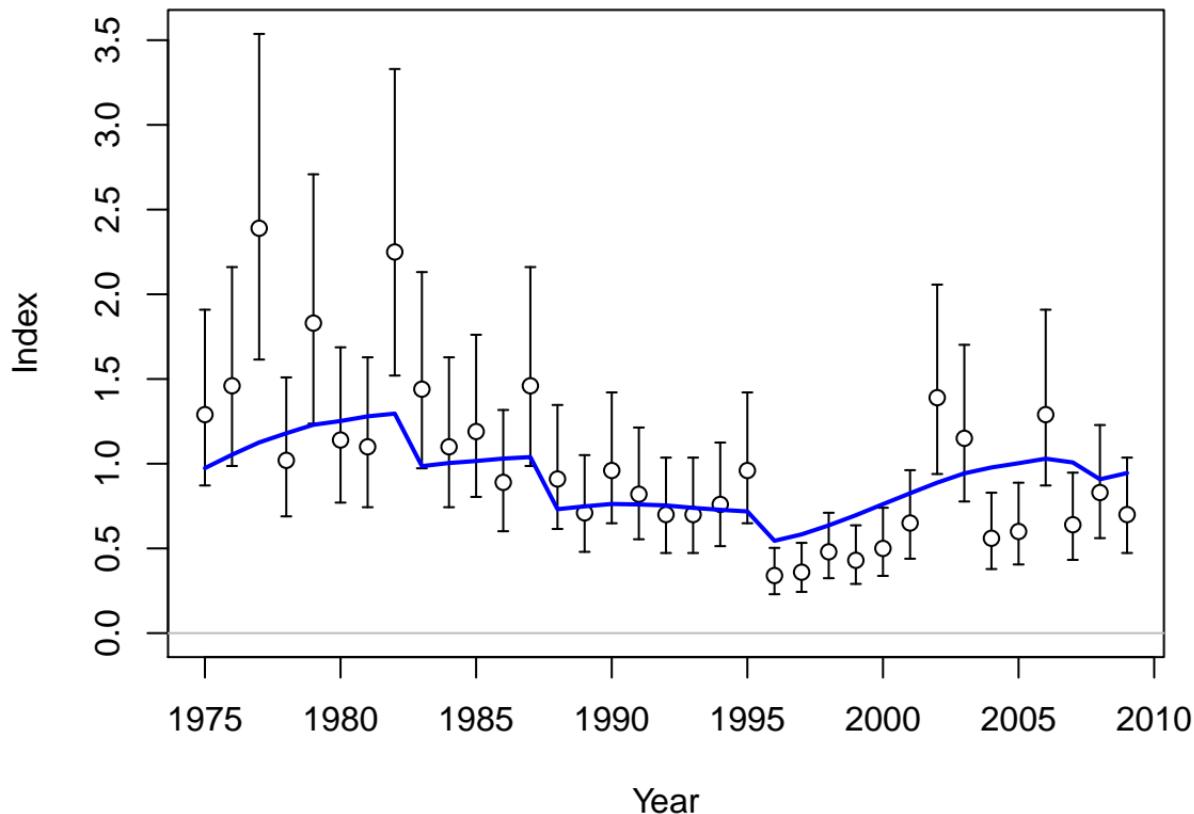
Log index SPBB2



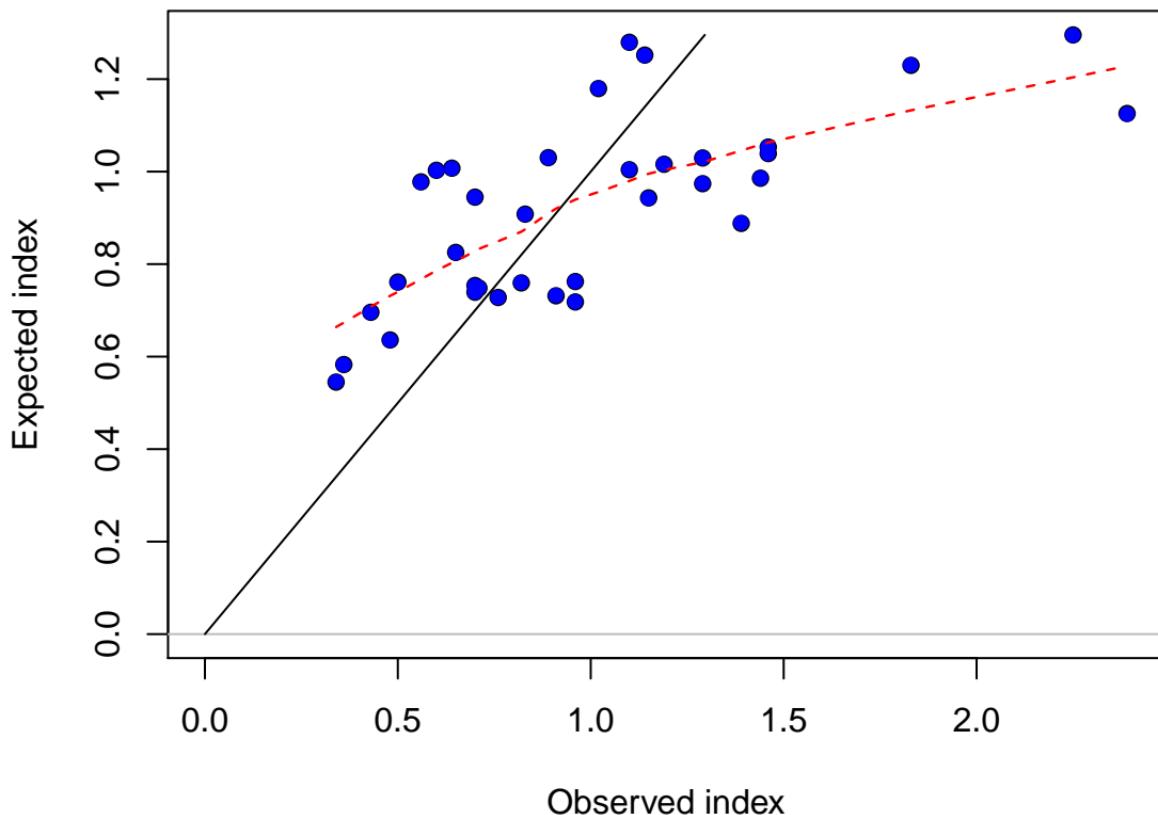
Log index SPBB2



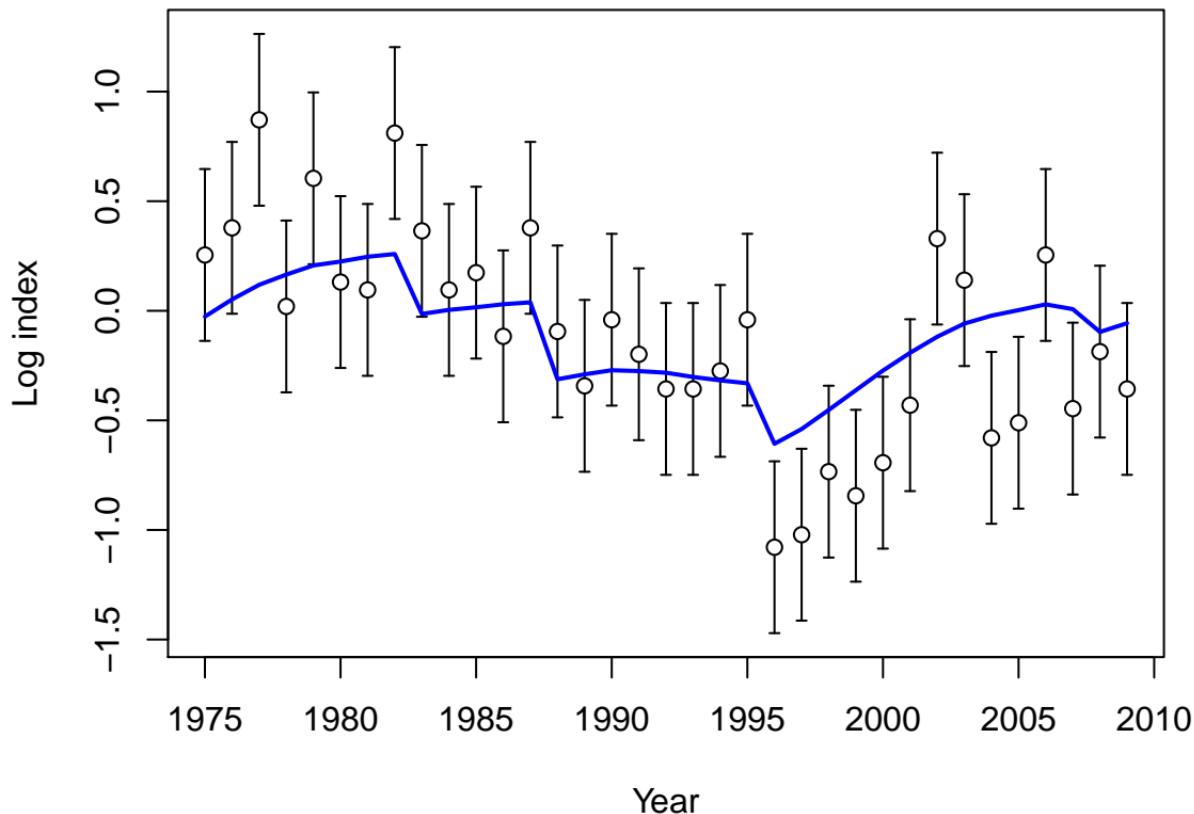
Index JPLL_EM



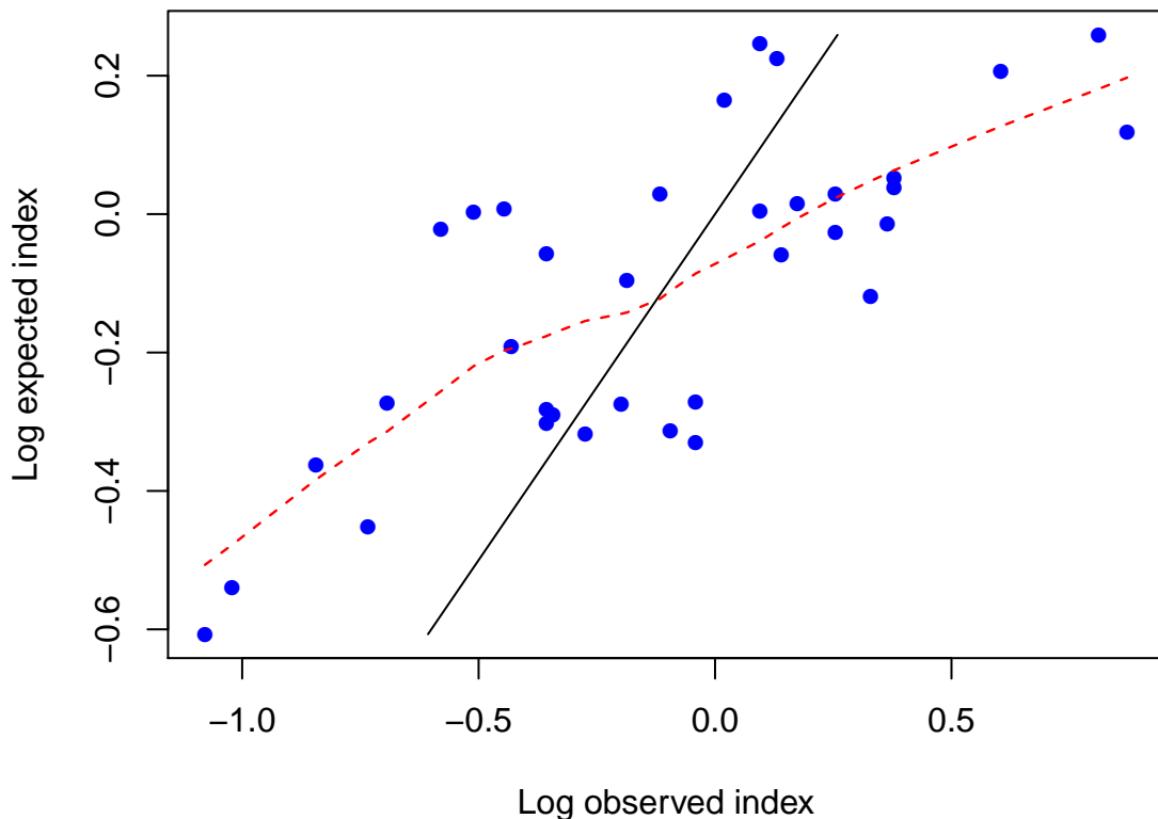
Index JPLL_EM



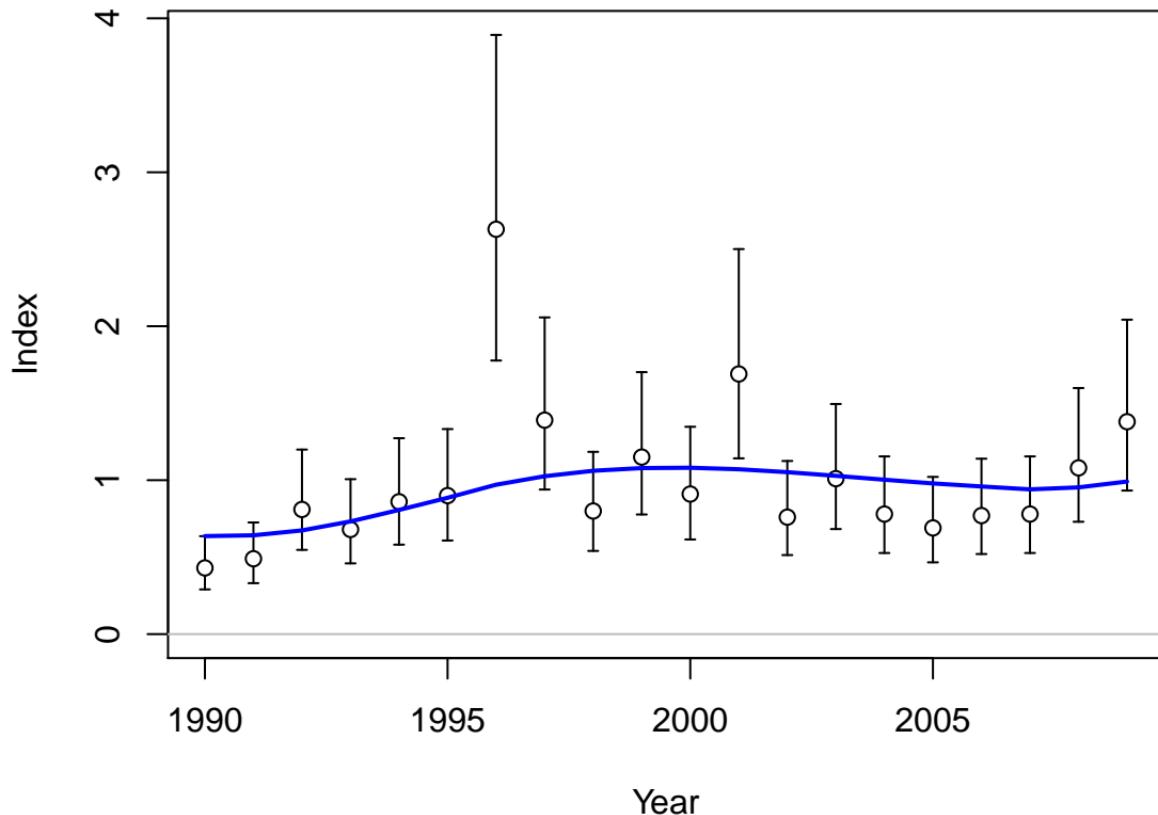
Log index JPLL_EM



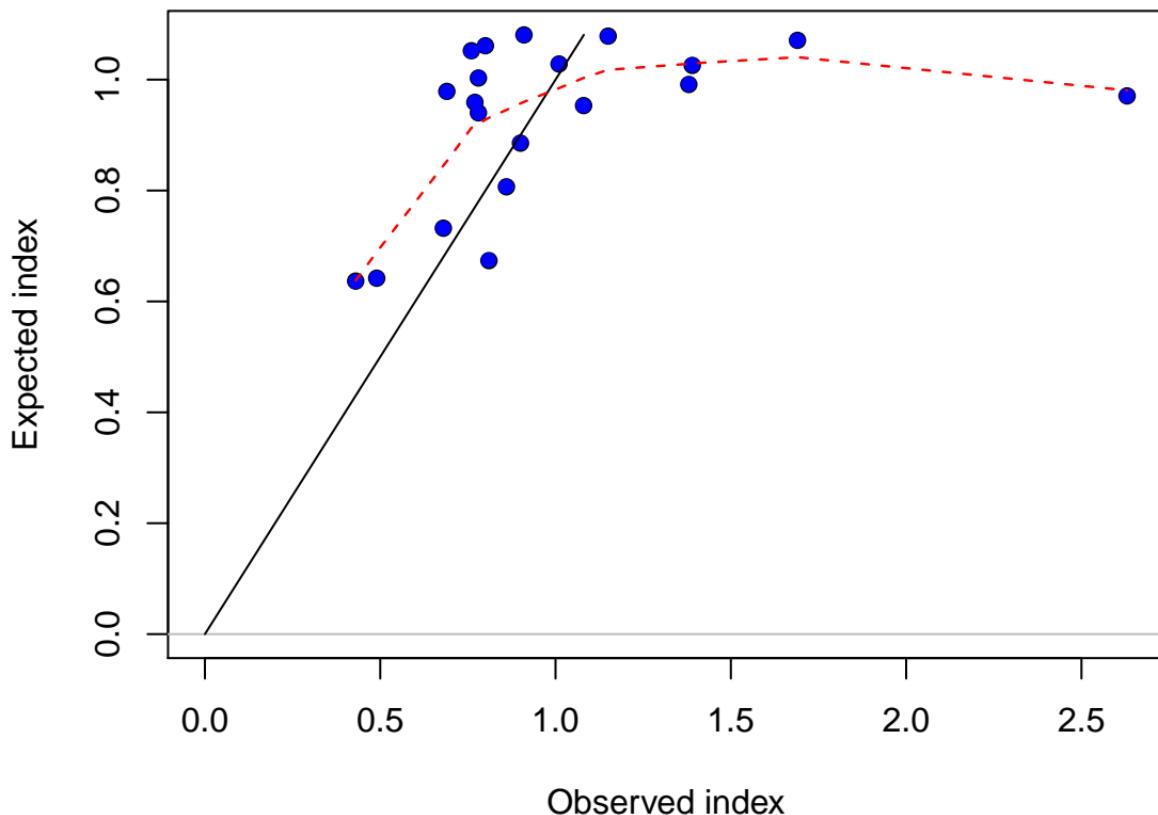
Log index JPLL_EM



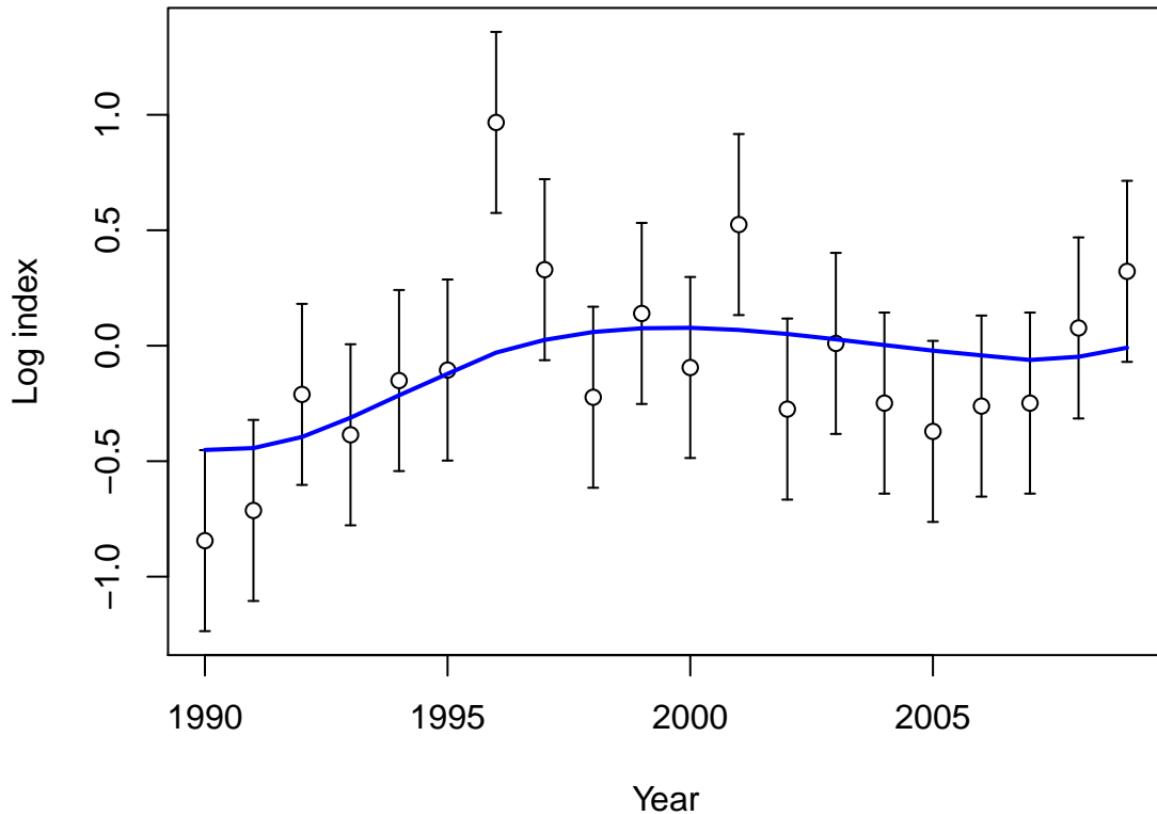
Index JPLL_NEA



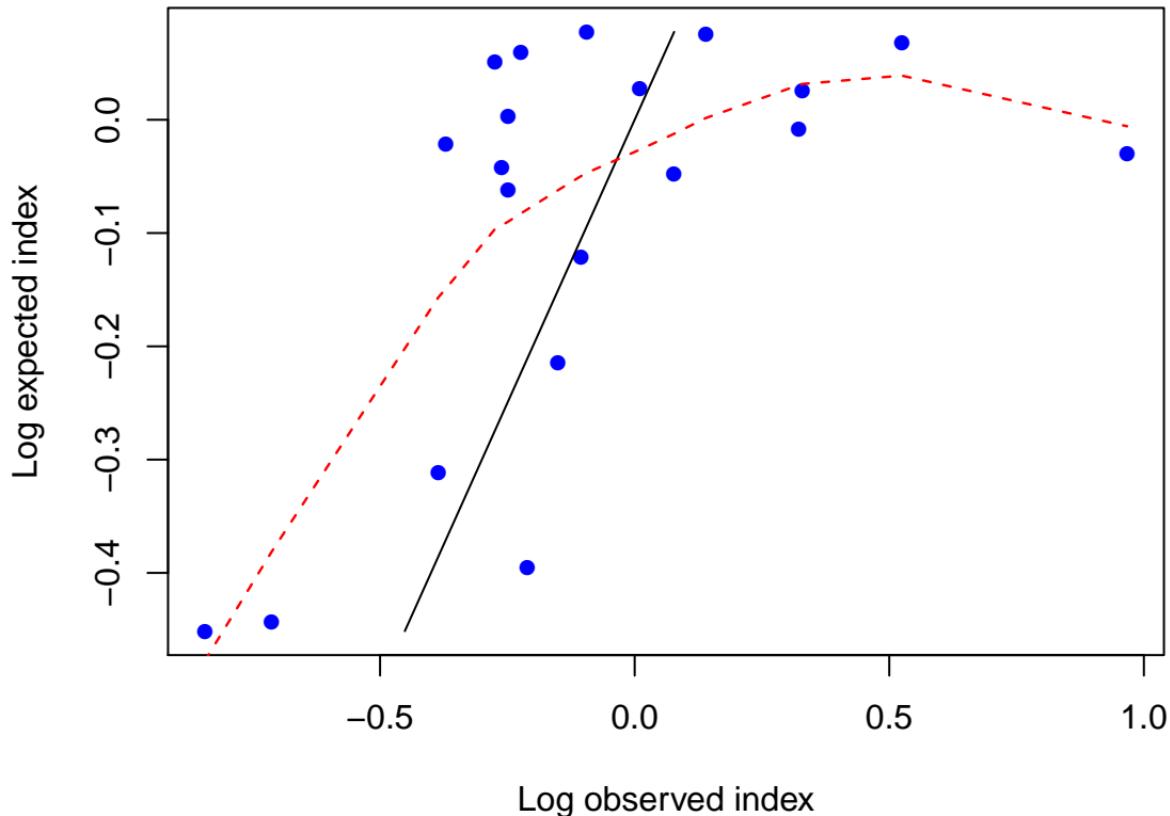
Index JPLL_NEA



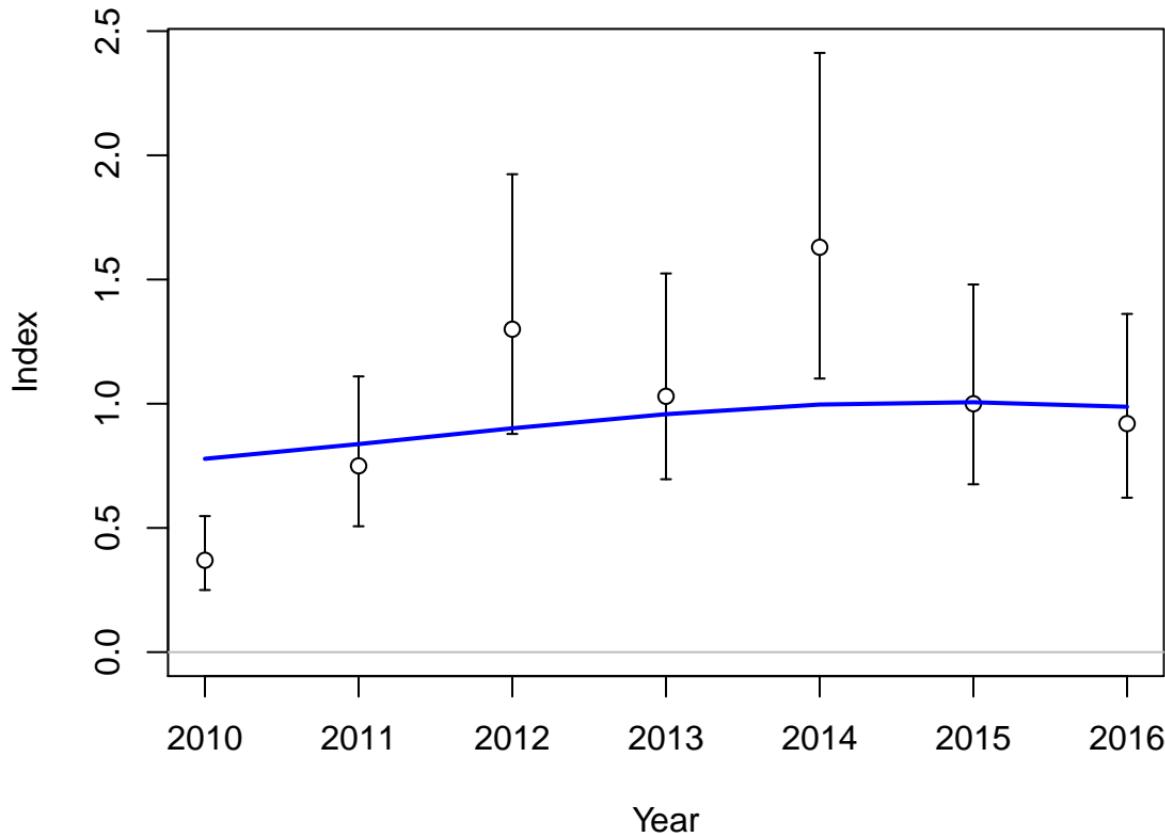
Log index JPLL_NEA



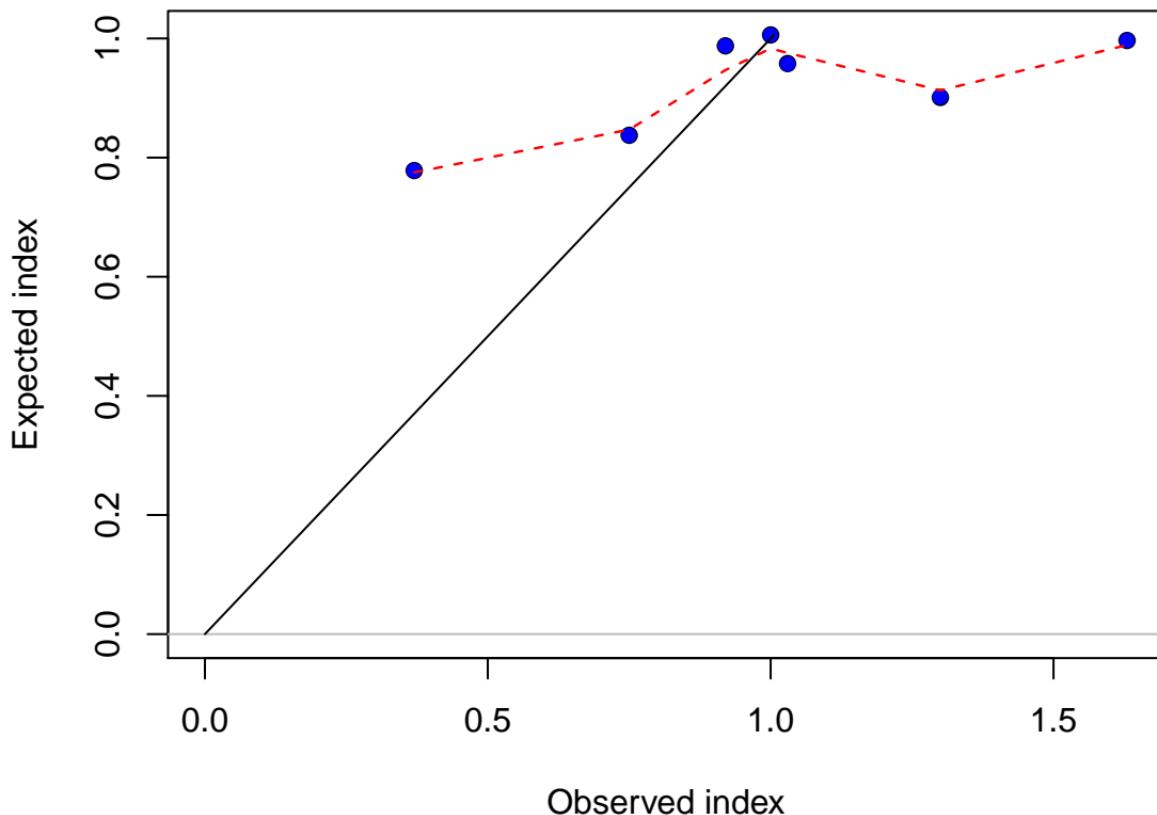
Log index JPLL_NEA



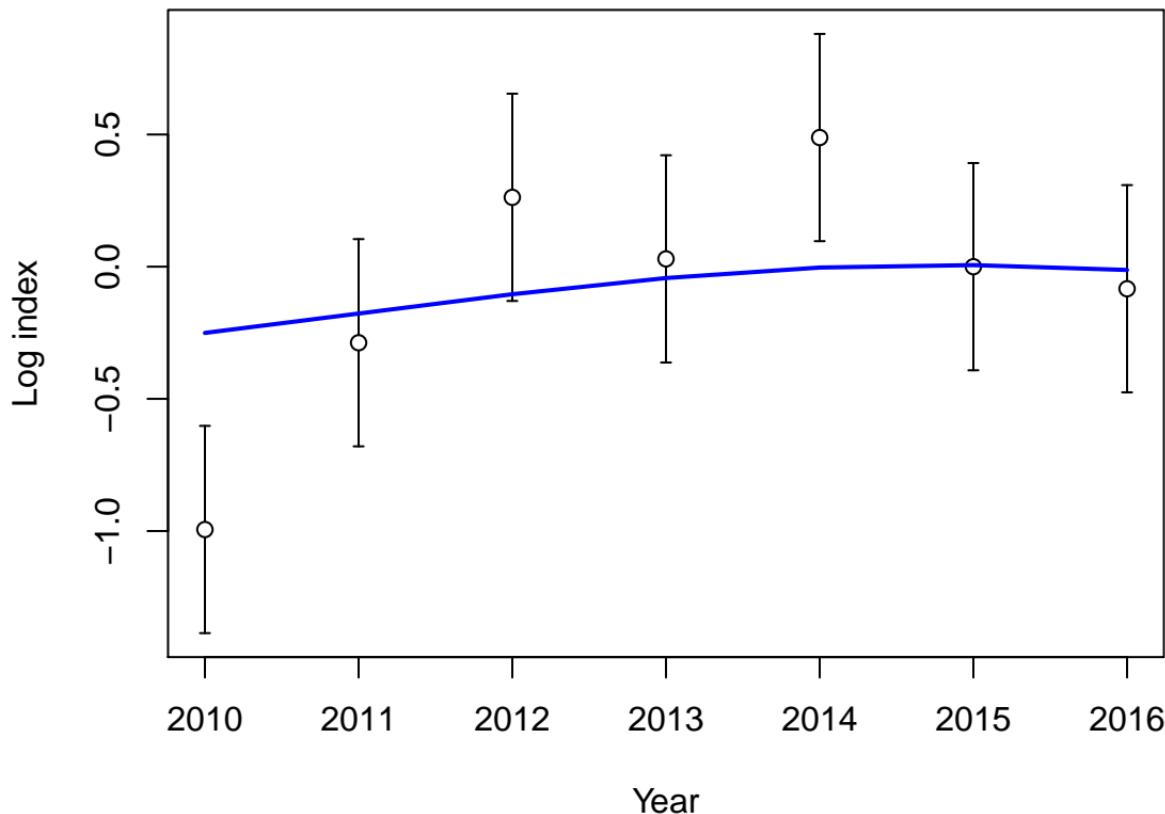
Index LJPLL_NEA2



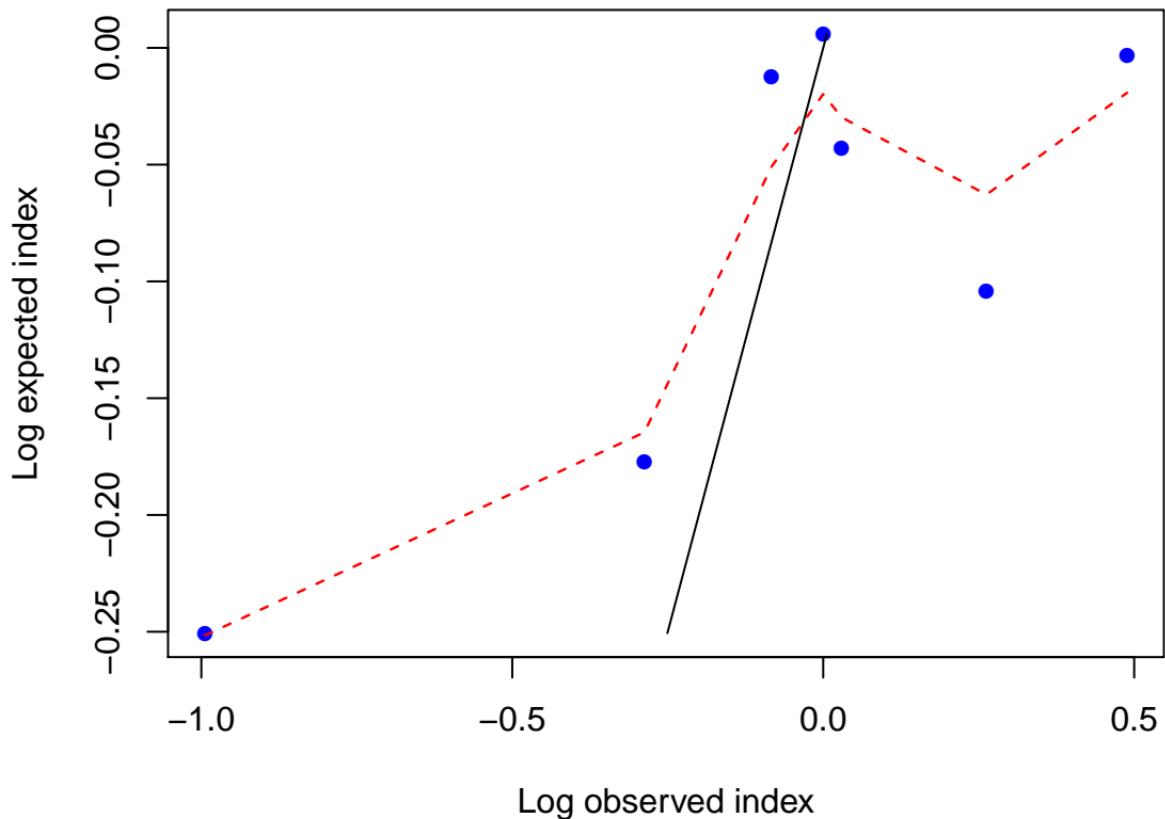
Index LJPLL_NEA2



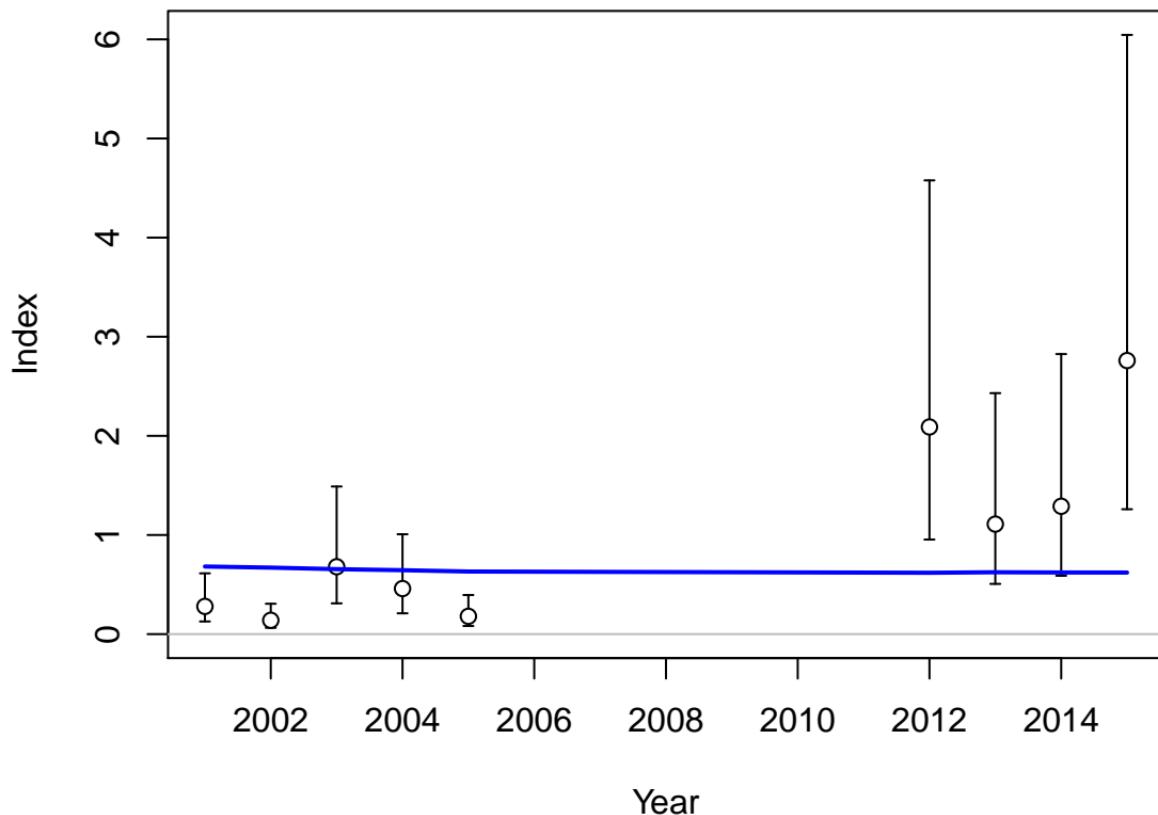
Log index LJPLL_NEA2



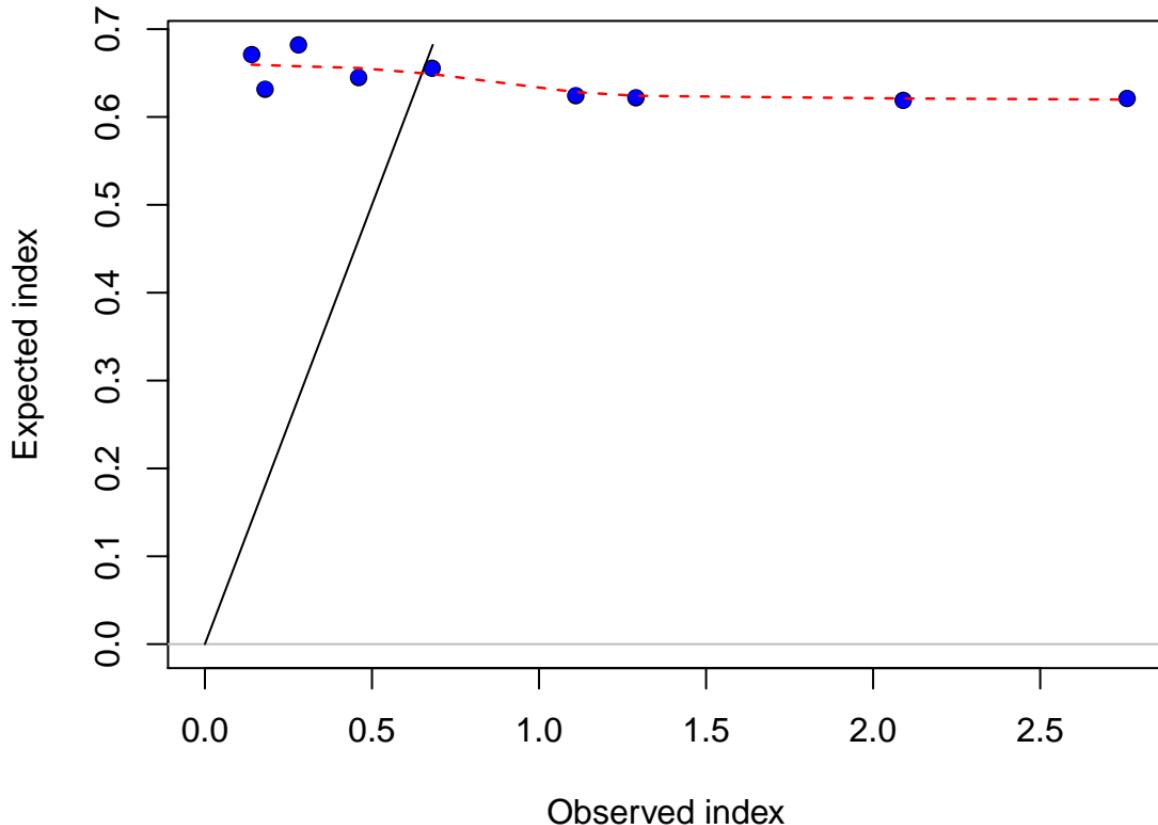
Log index LJPLL_NEA2



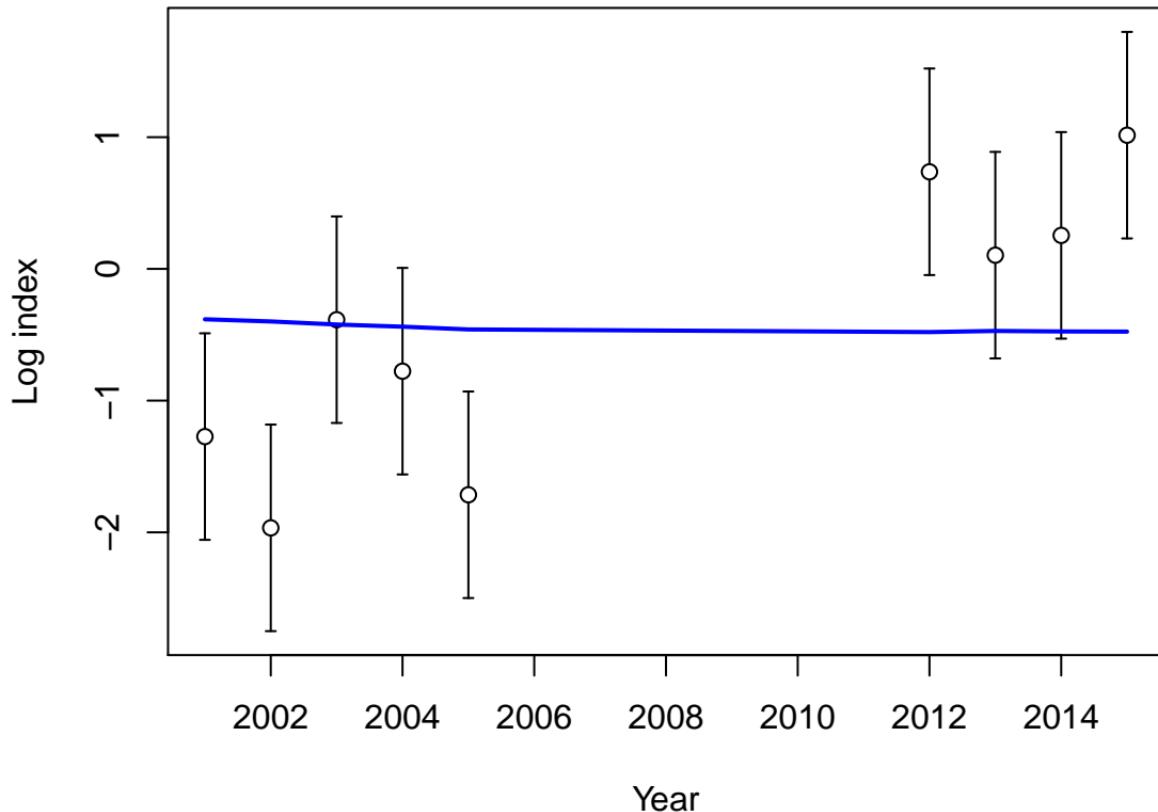
Index LS



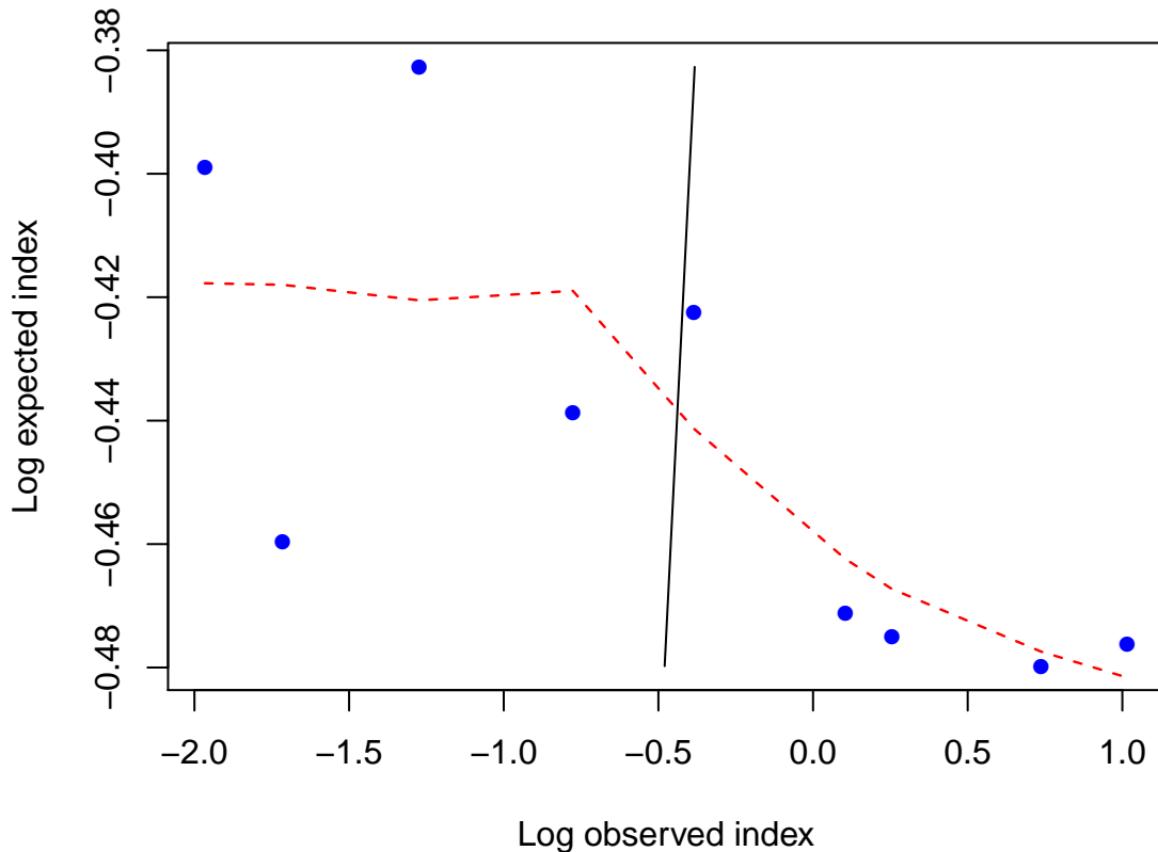
Index LS



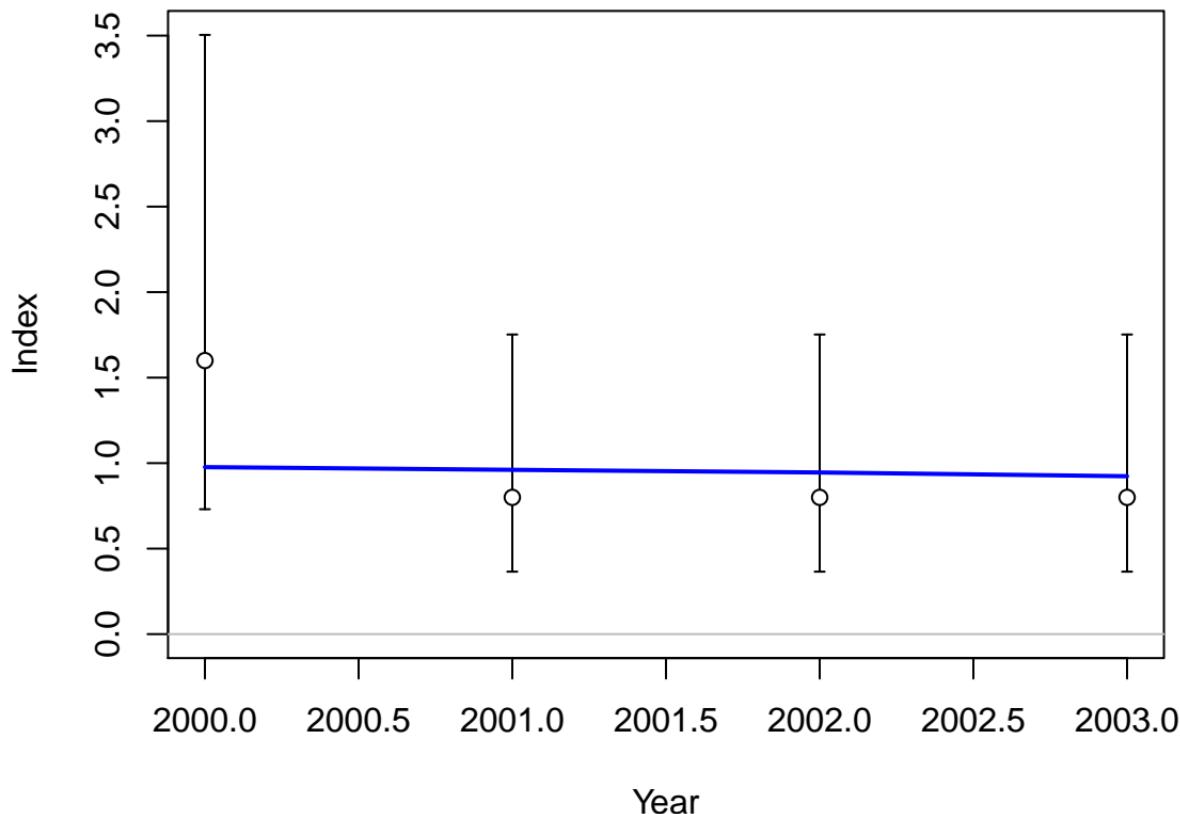
Log index LS



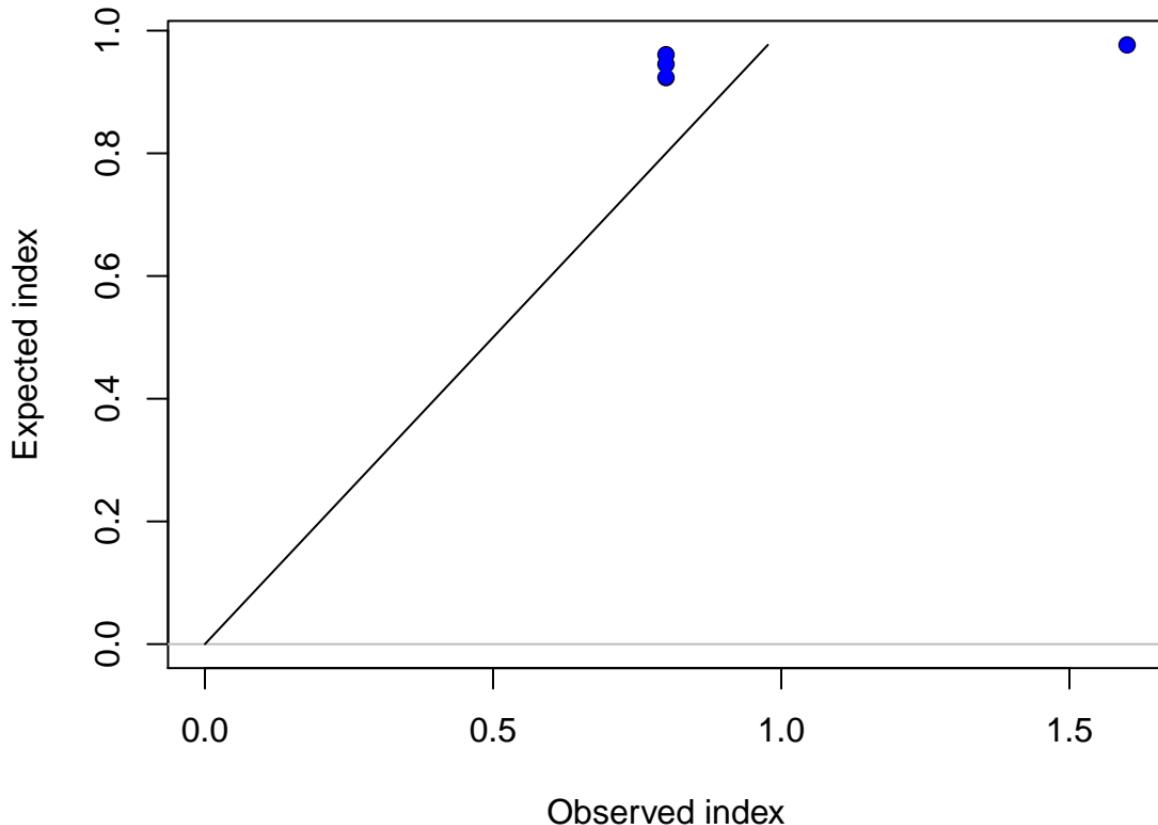
Log index LS



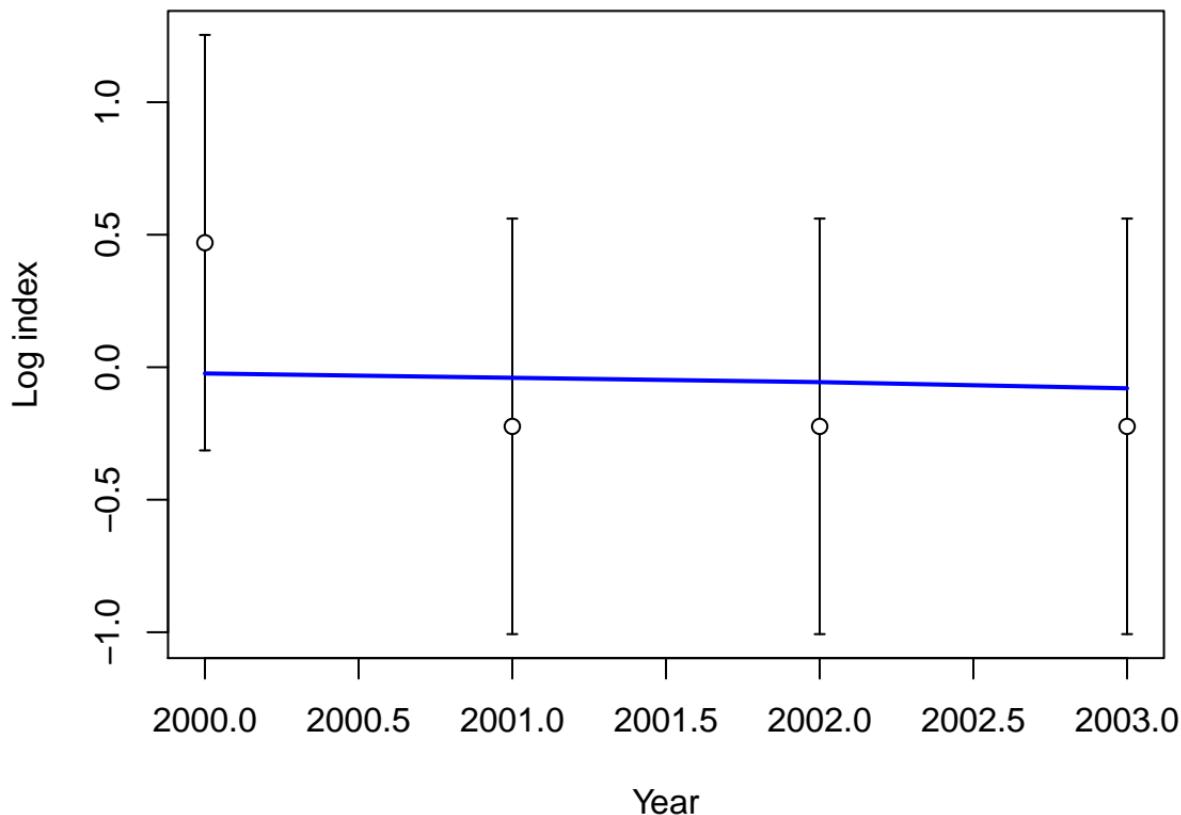
Index AS1



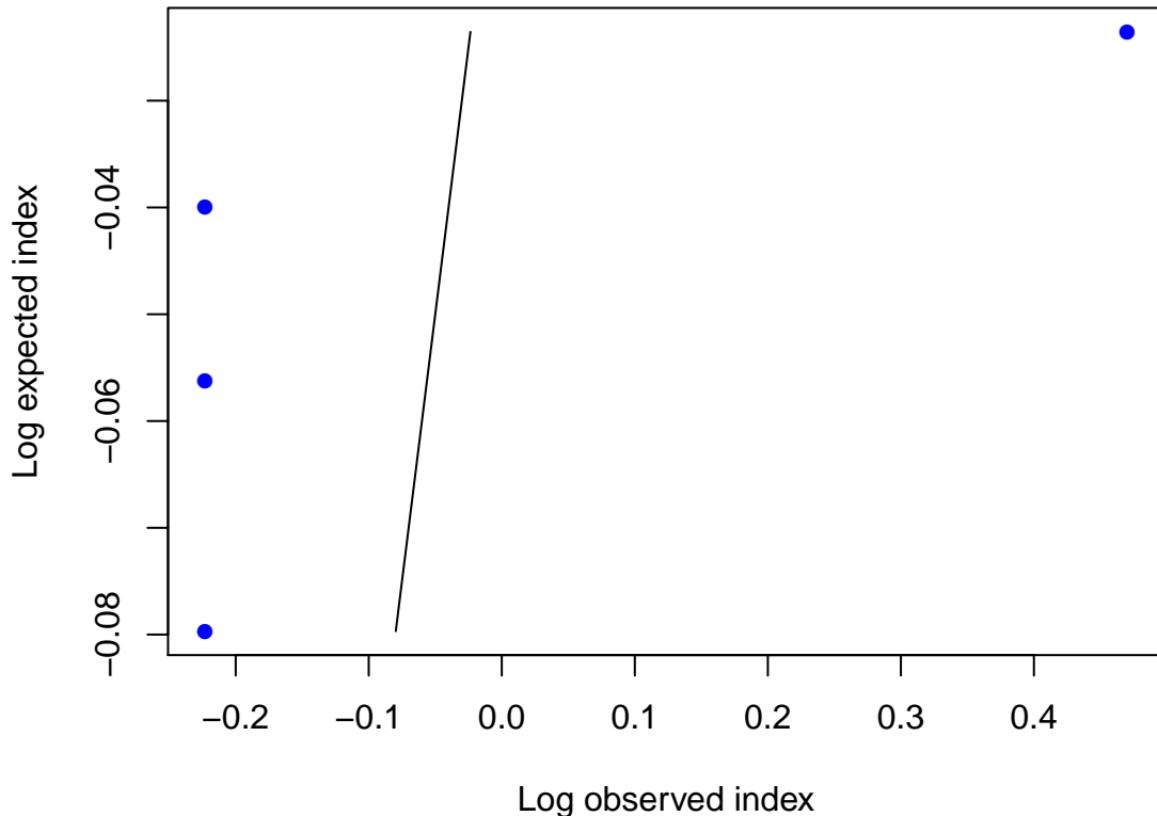
Index AS1



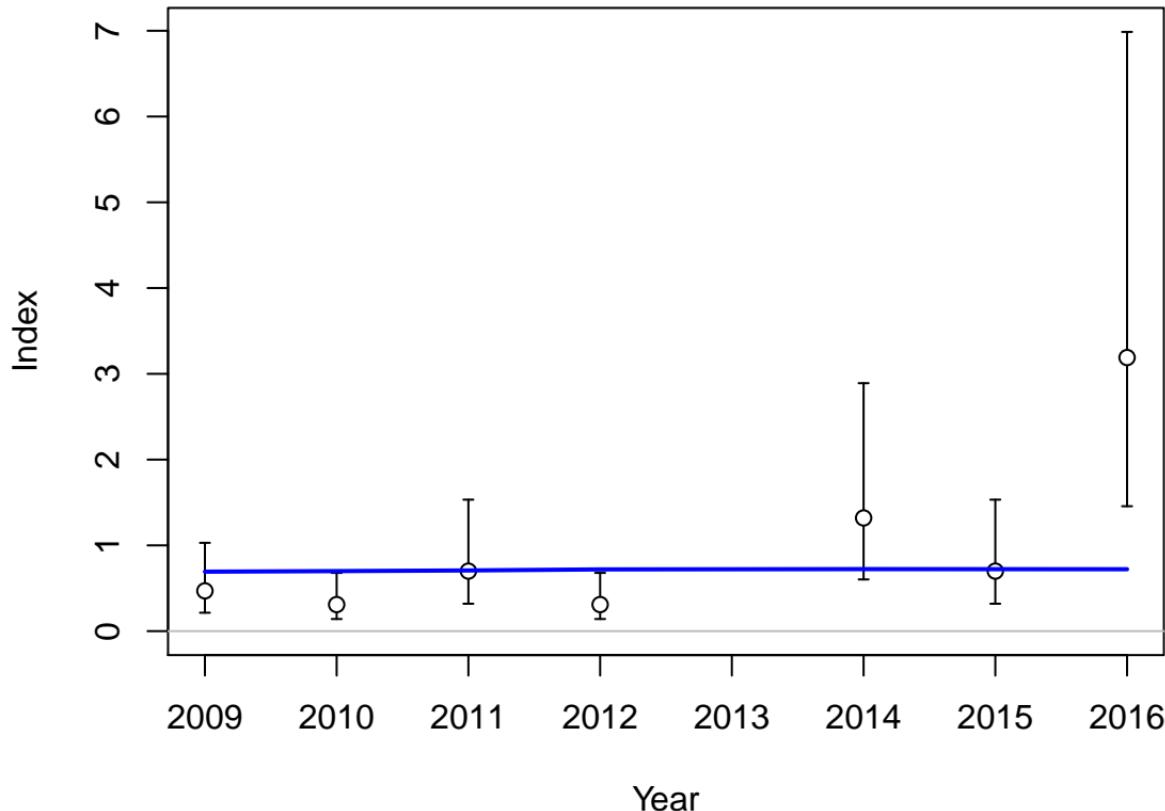
Log index AS1



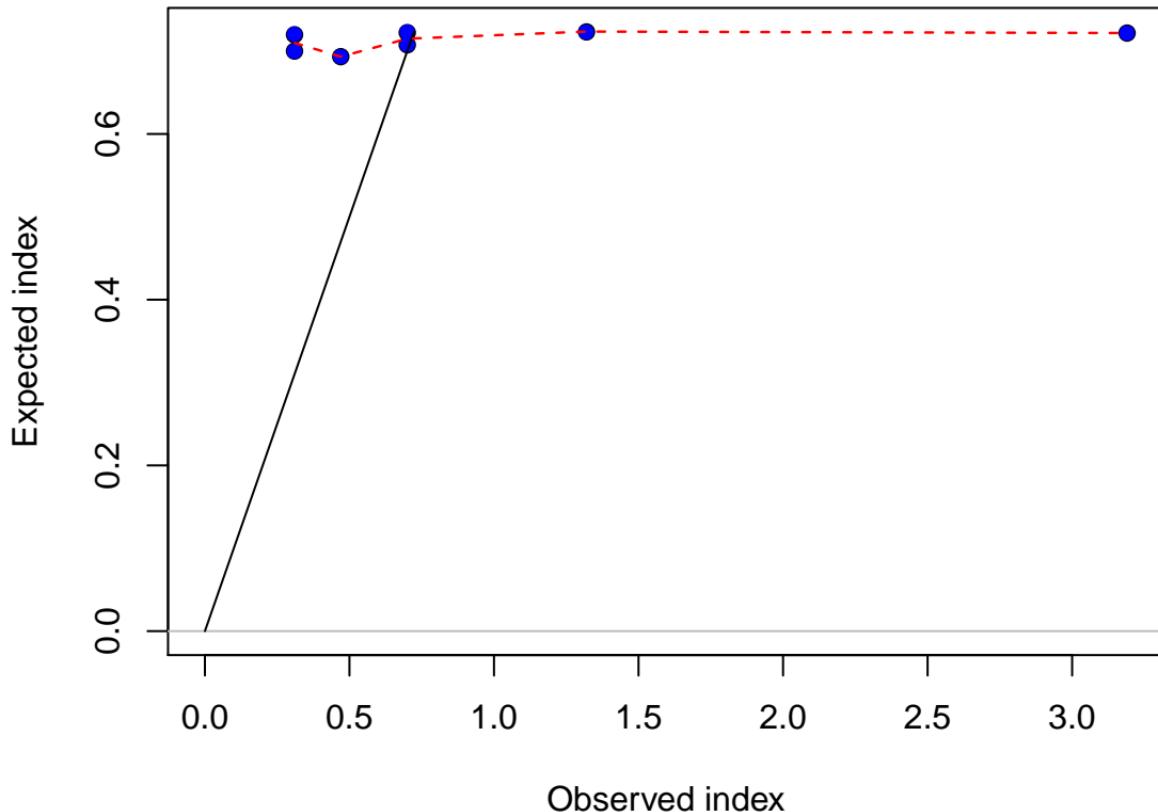
Log index AS1



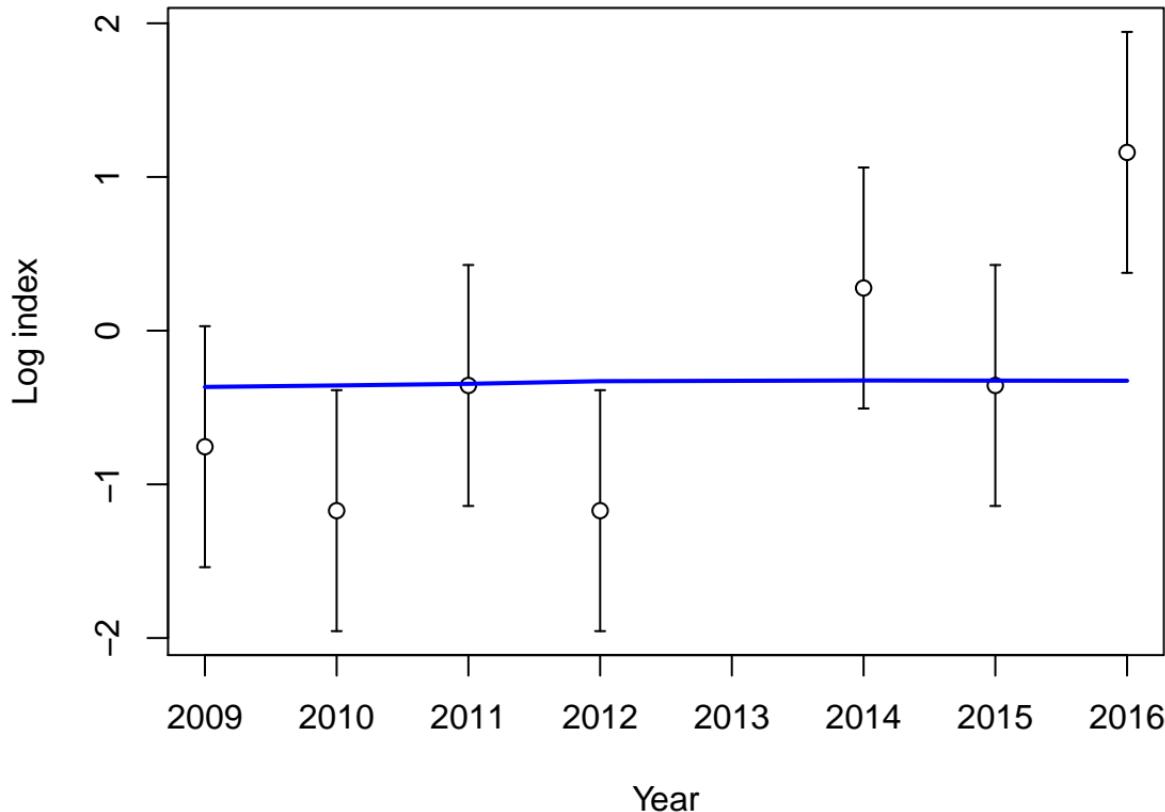
Index AS2



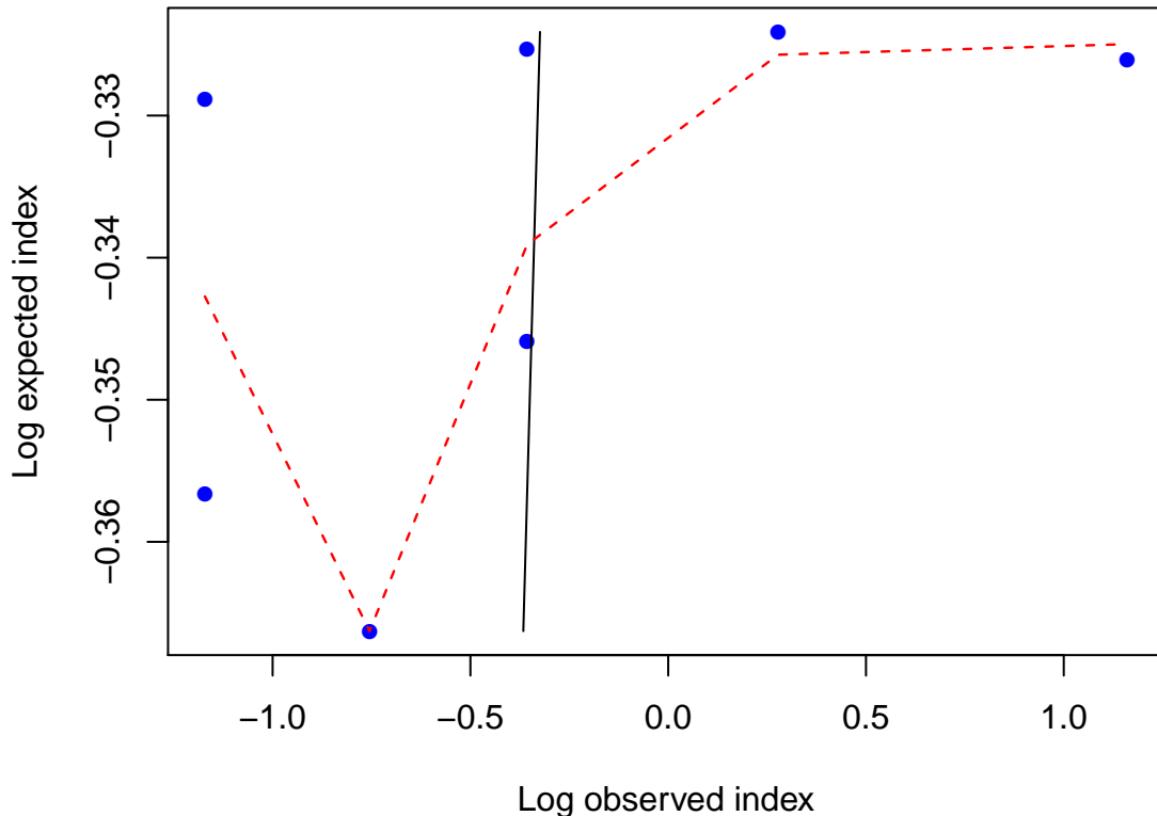
Index AS2



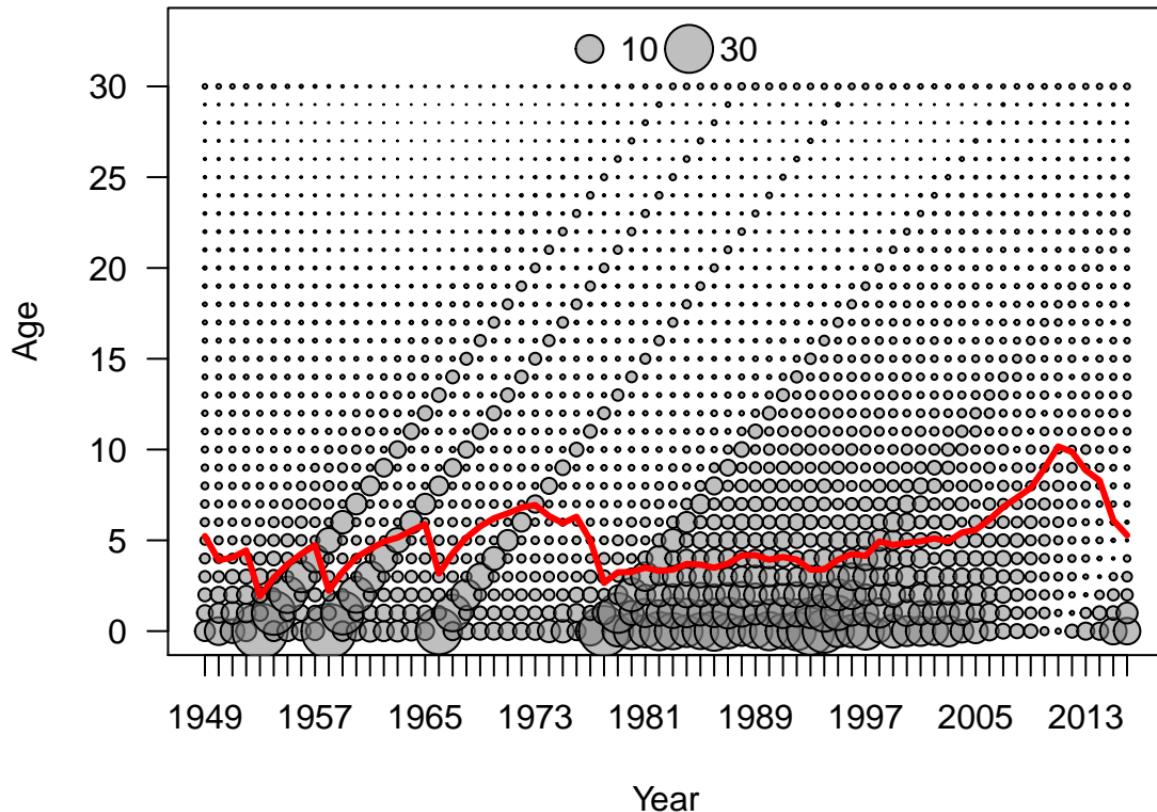
Log index AS2



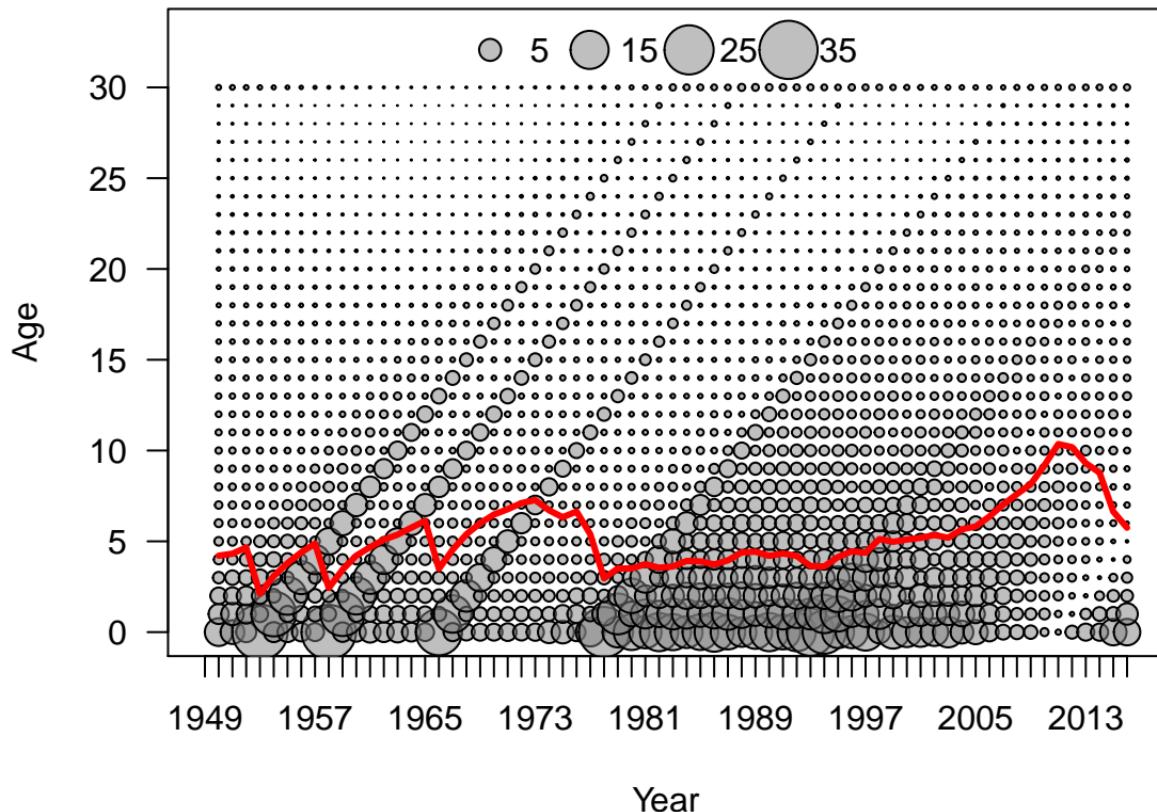
Log index AS2



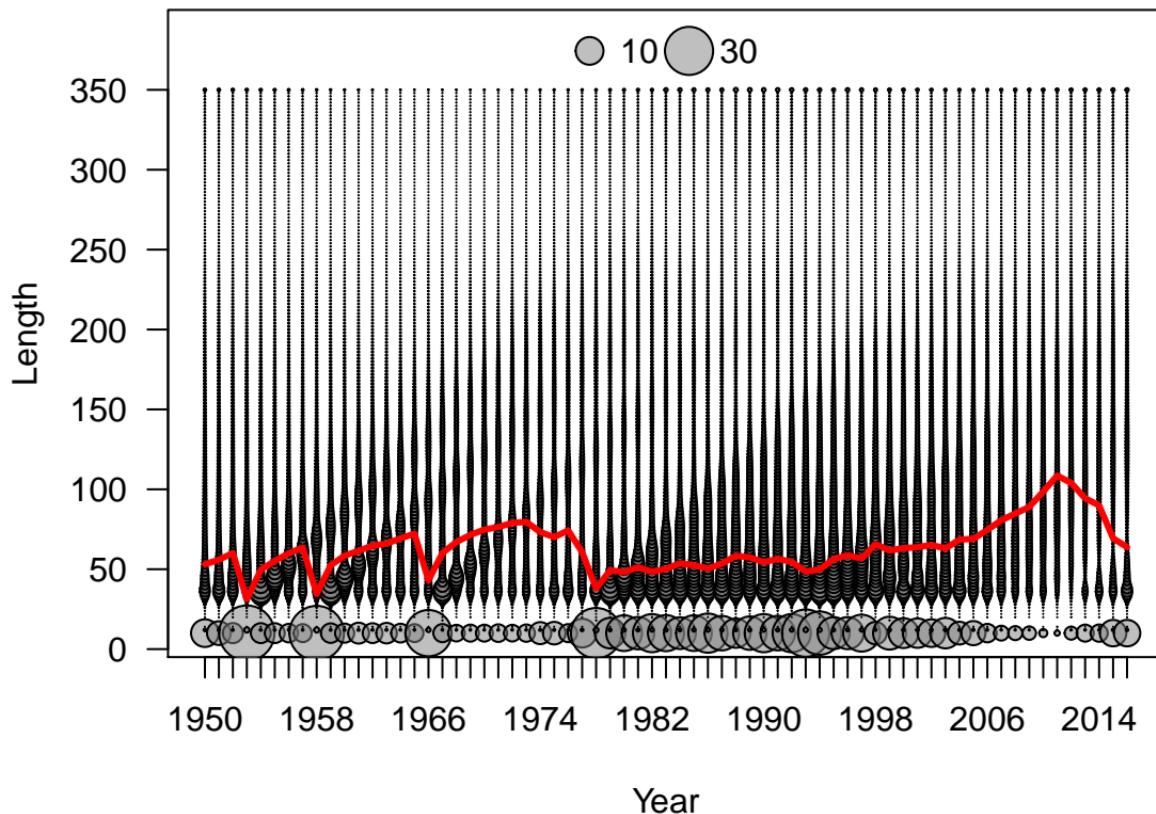
Beginning of year expected numbers at age in (max ~ 40.0 million)



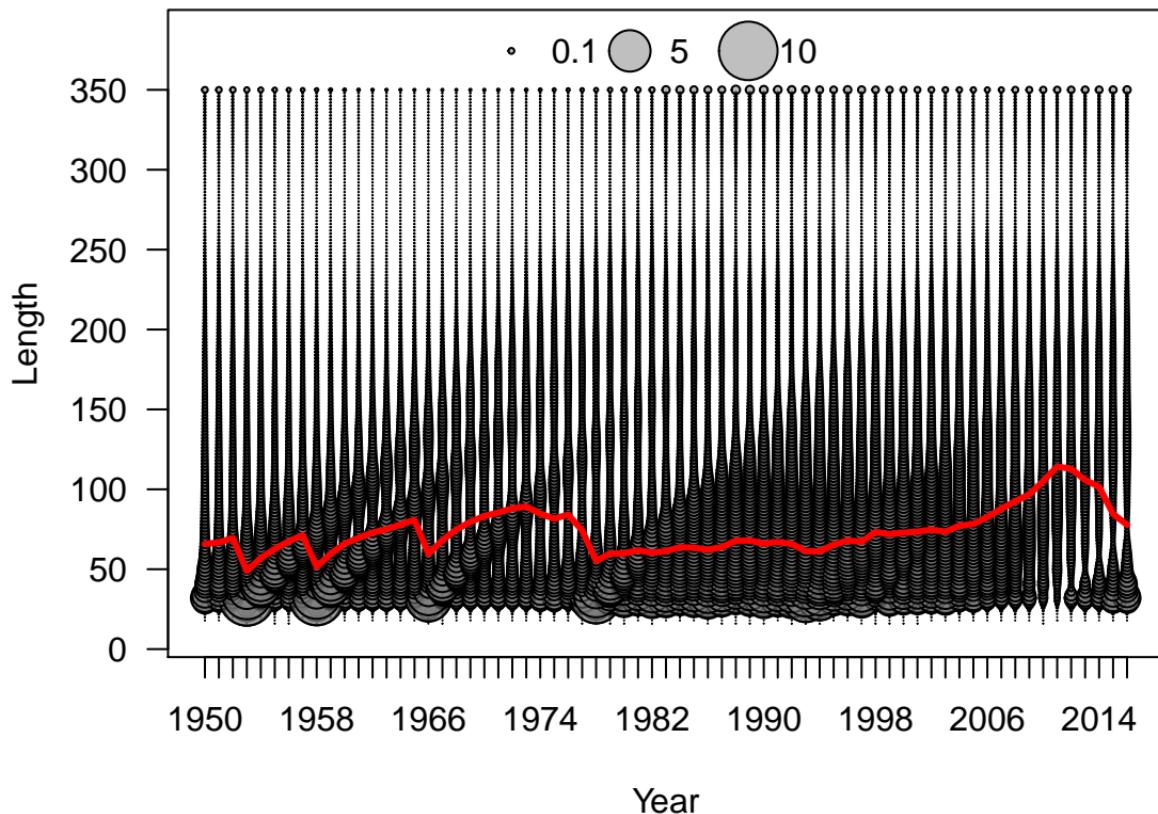
Middle of year expected numbers at age in (max ~ 31.6 million)



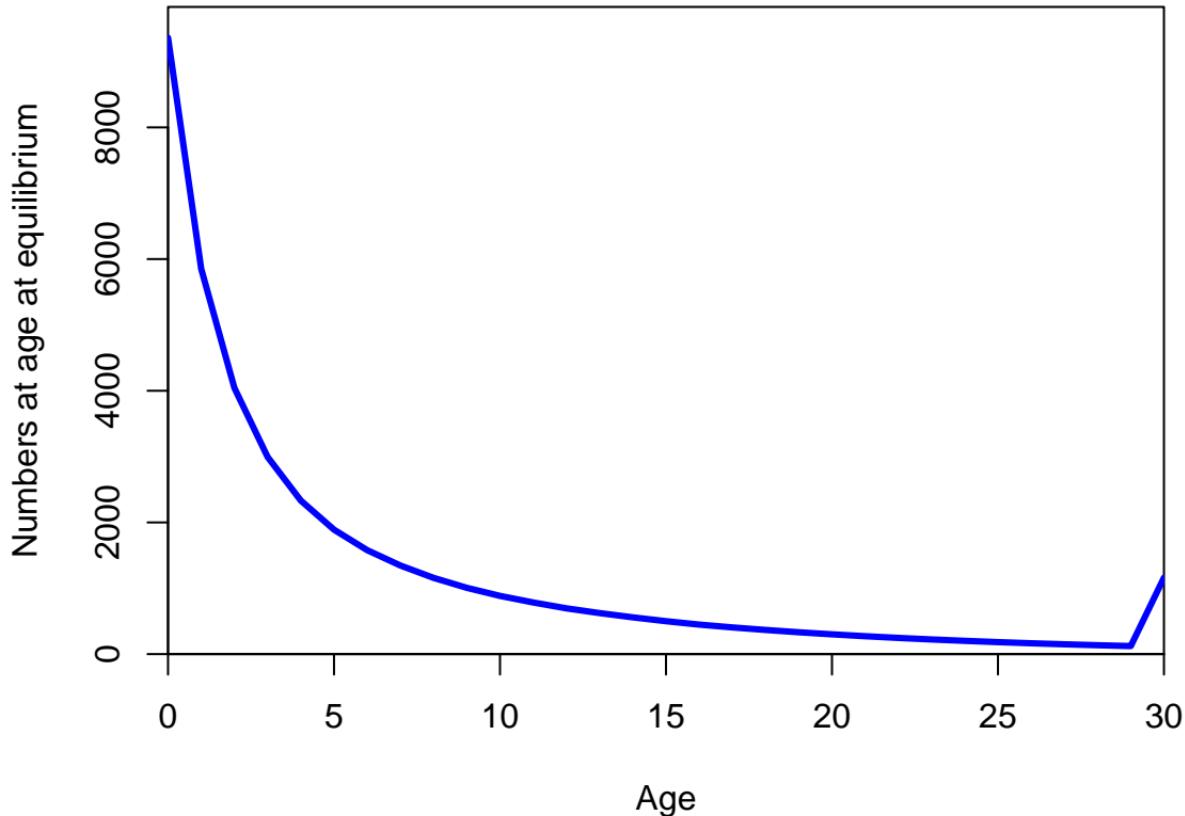
Beginning of year expected numbers at length in (max ~ 39.6 million)



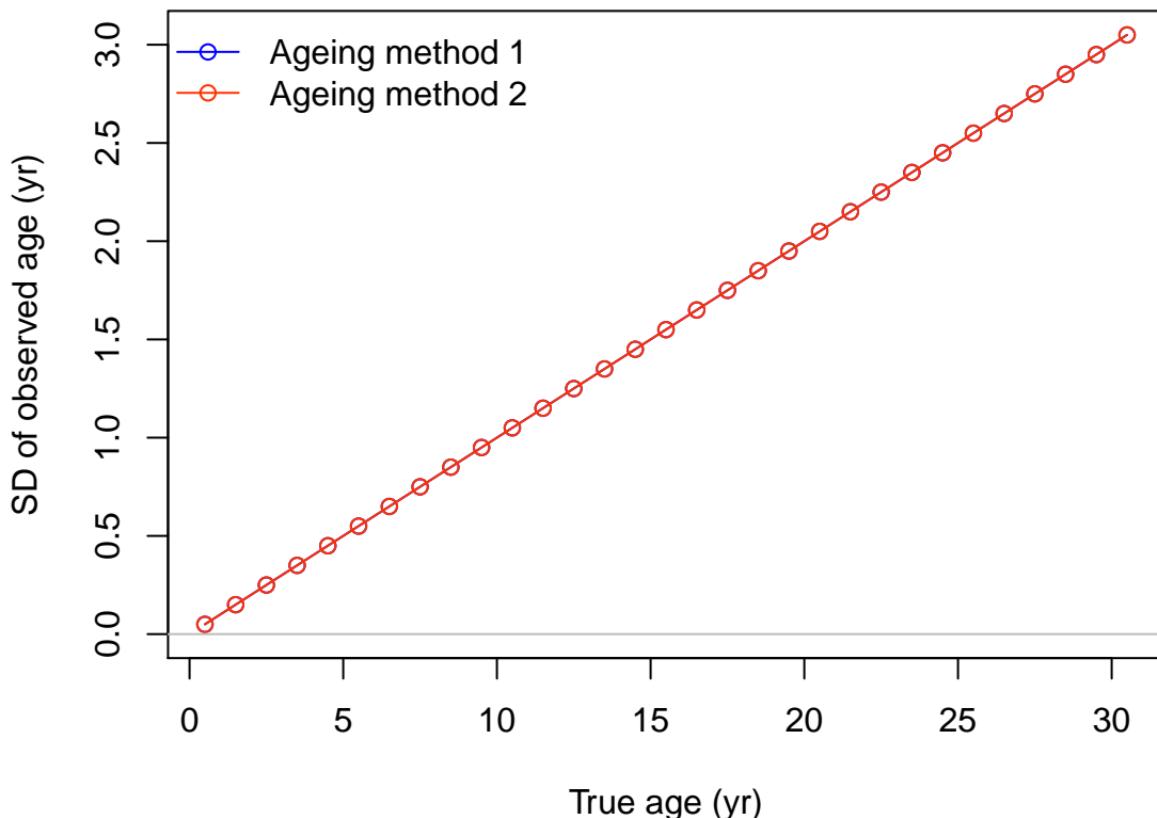
Middle of year expected numbers at length in (max ~ 8.9 million)



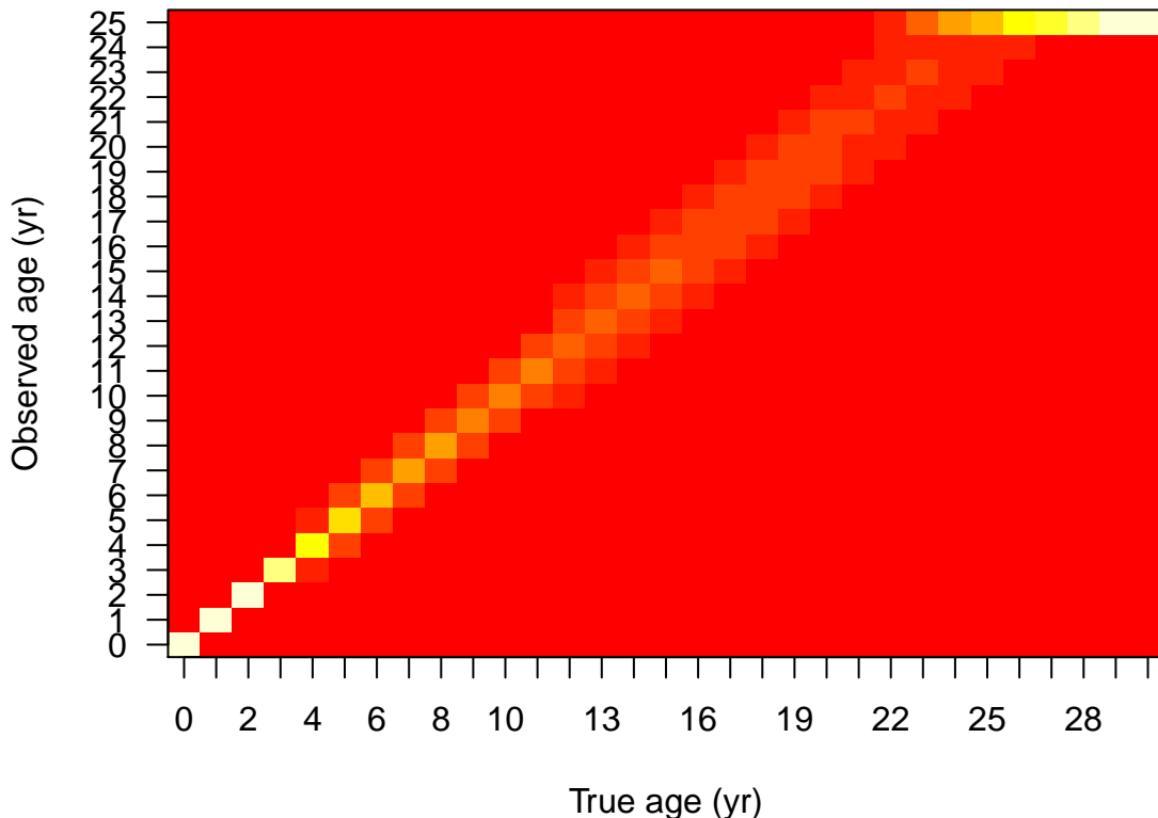
Equilibrium age distribution



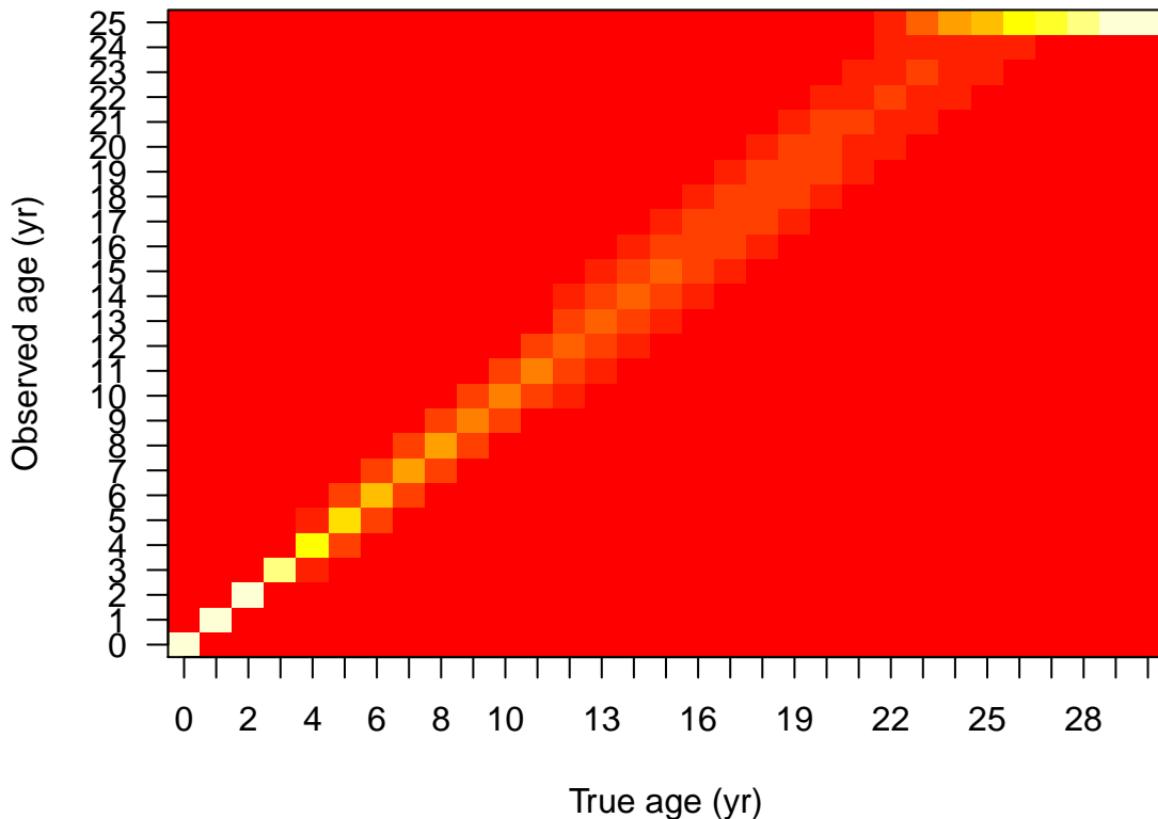
Ageing imprecision



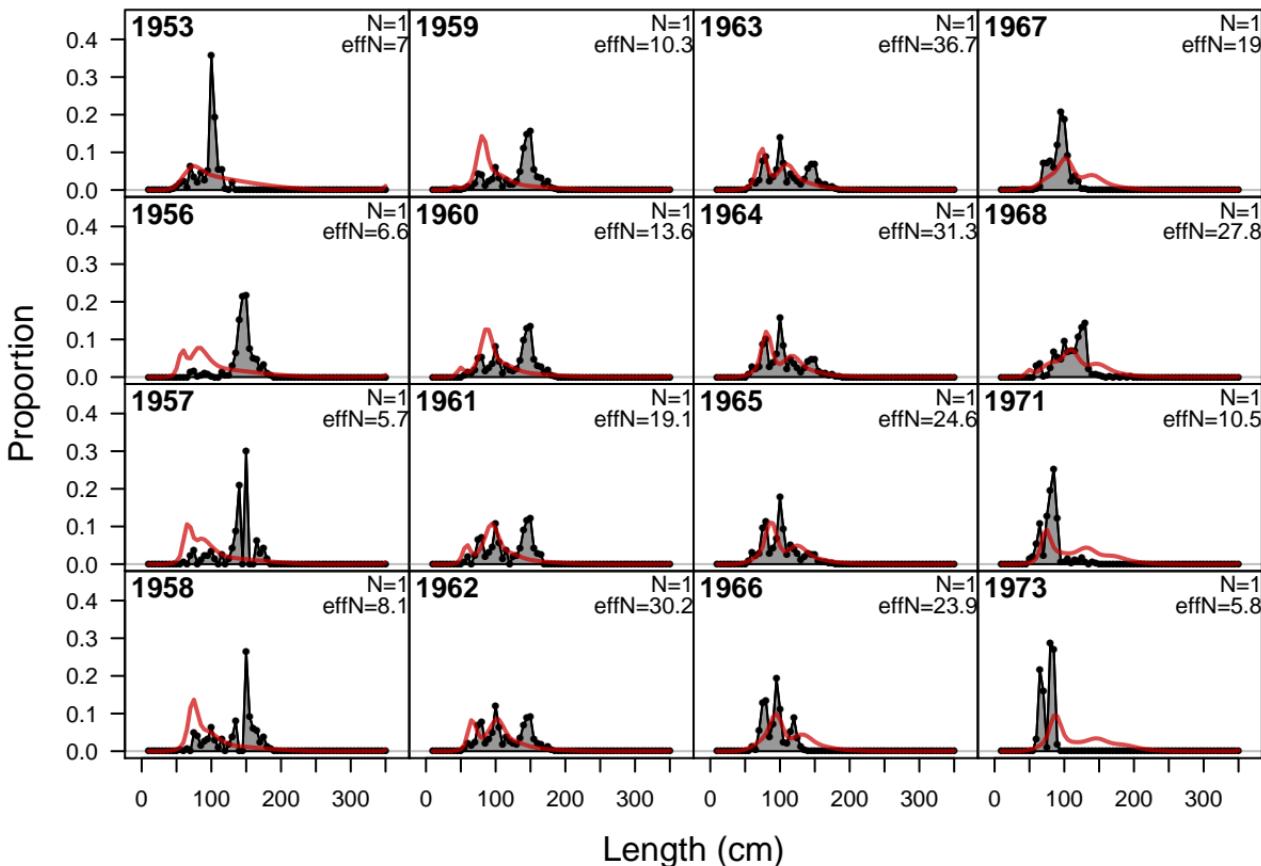
Ageing imprecision: matrix for method 1



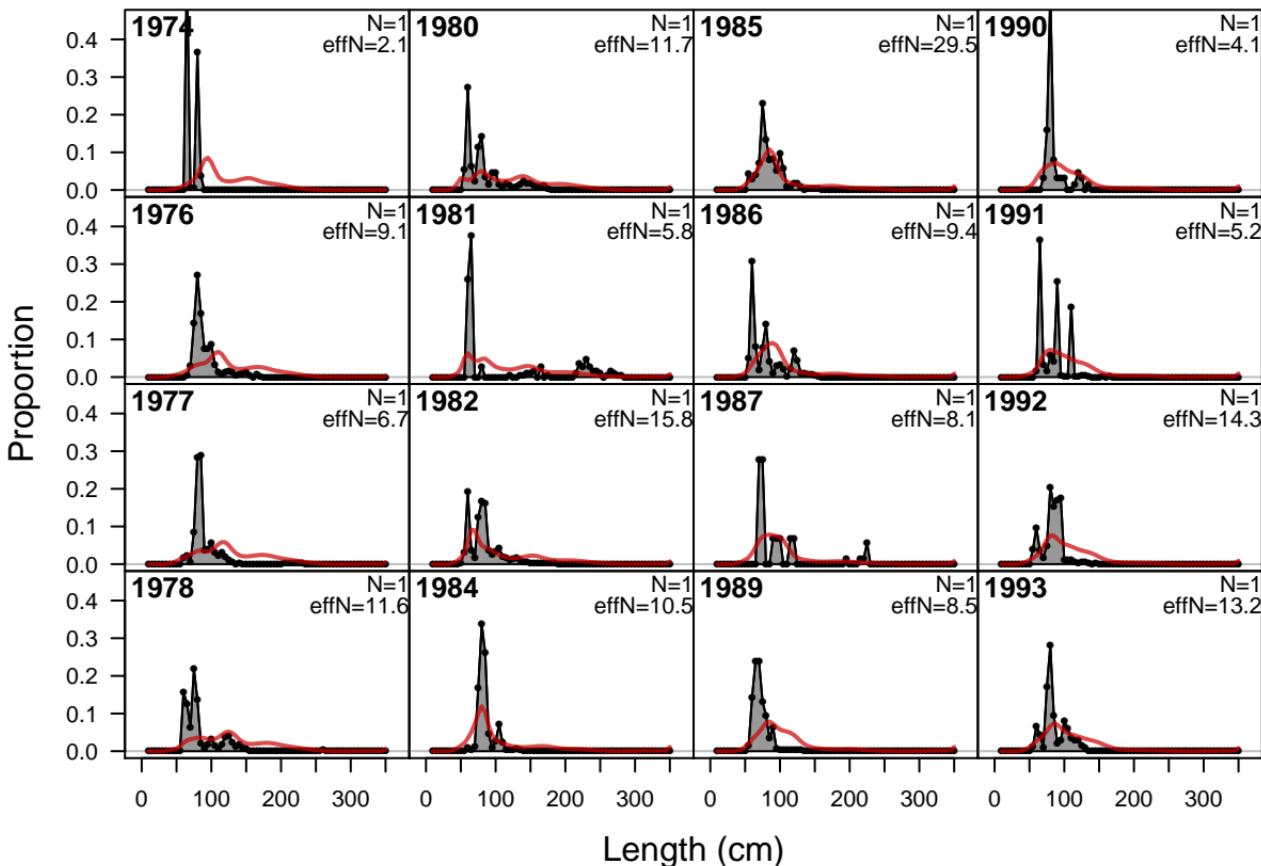
Ageing imprecision: matrix for method 2



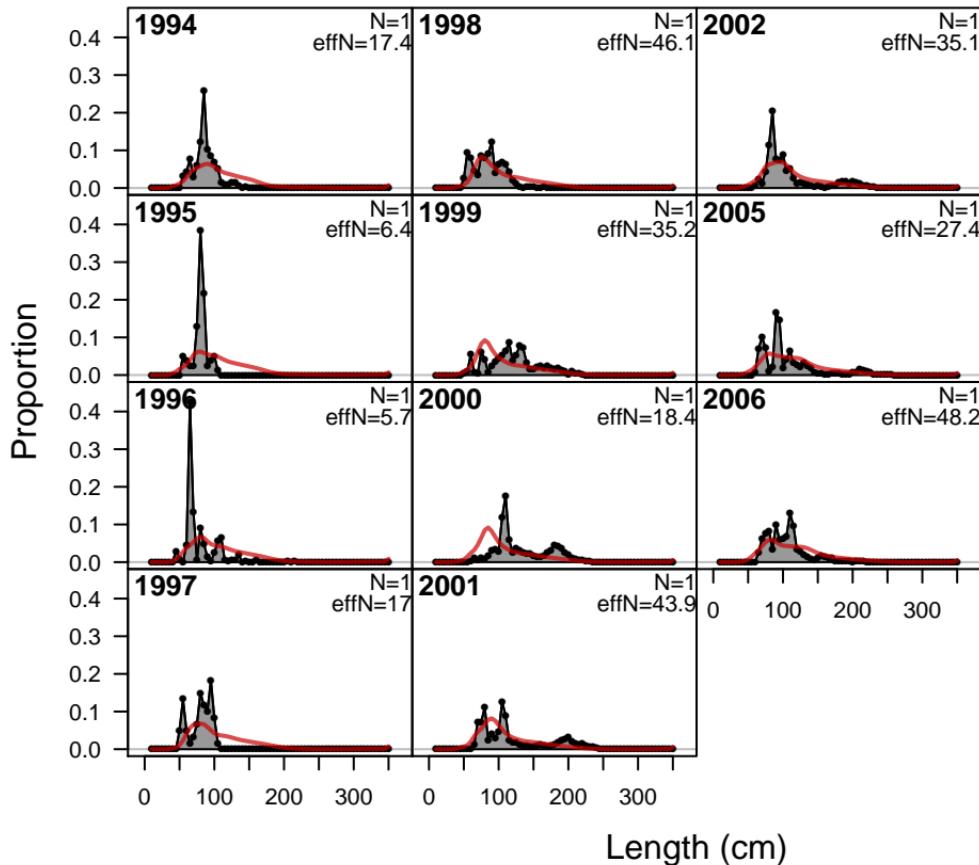
Length comps, whole catch, BB52_06



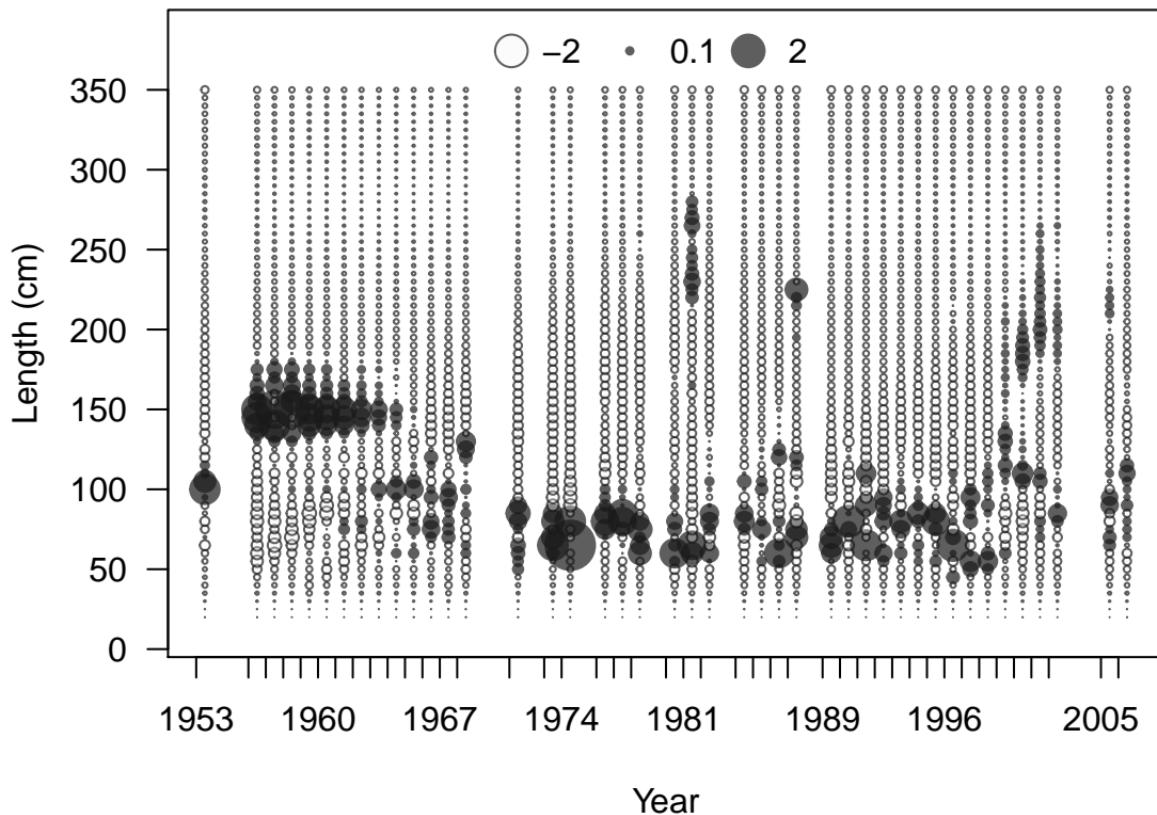
Length comps, whole catch, BB52_06



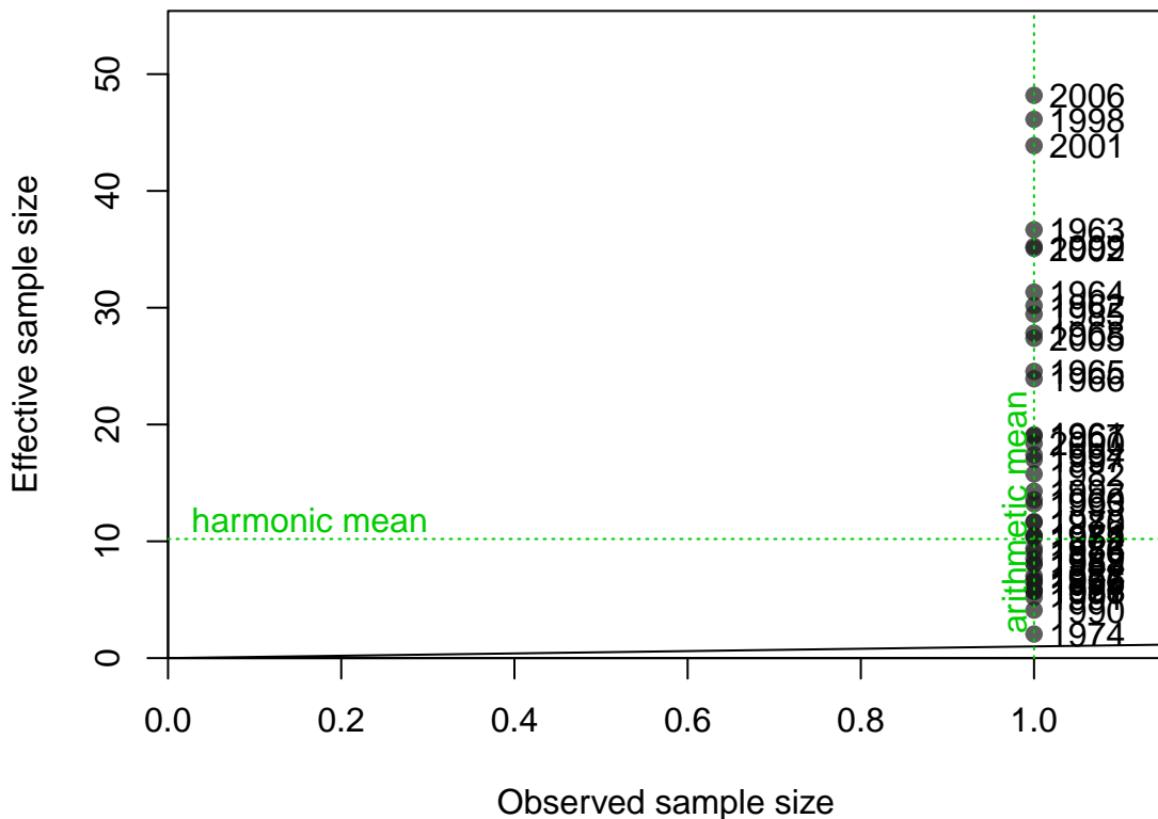
Length comps, whole catch, BB52_06



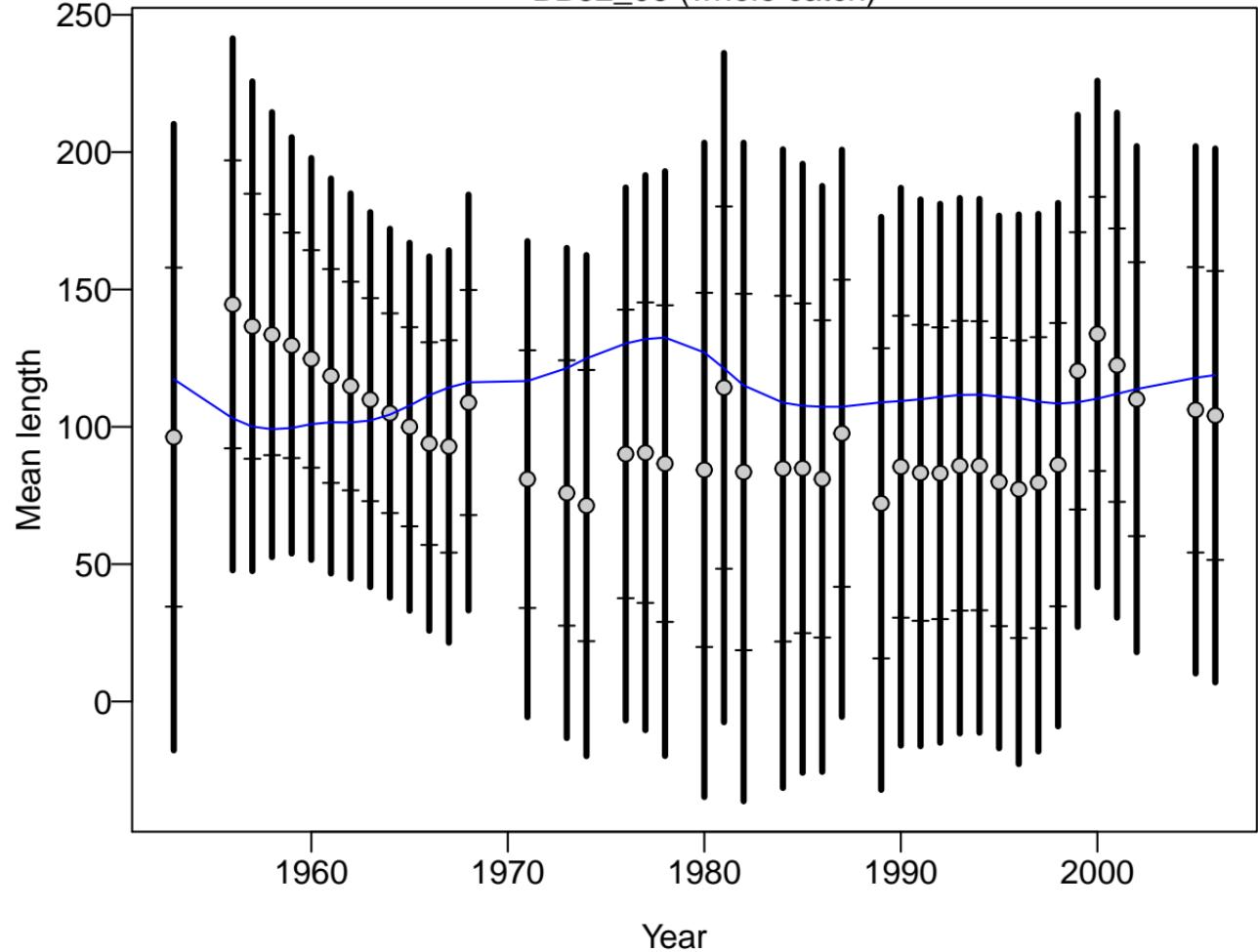
Pearson residuals, whole catch, BB52_06 (max=4.58)



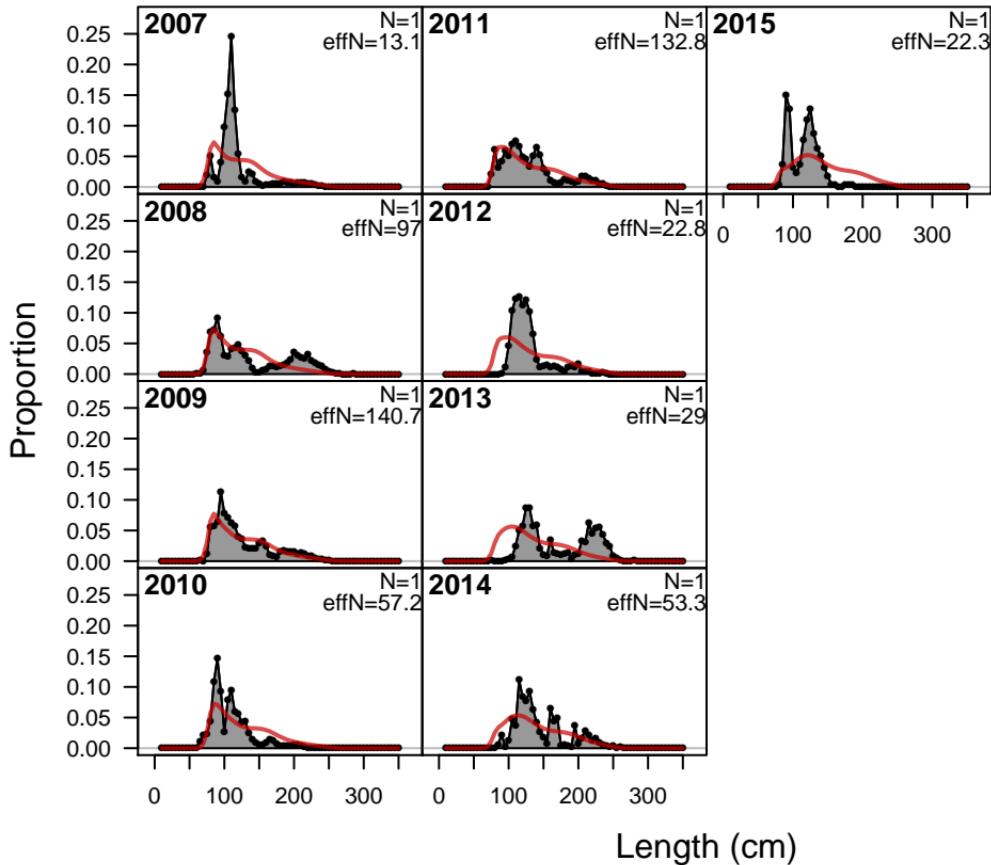
N-EffN comparison, Length comps, whole catch, BB52_06



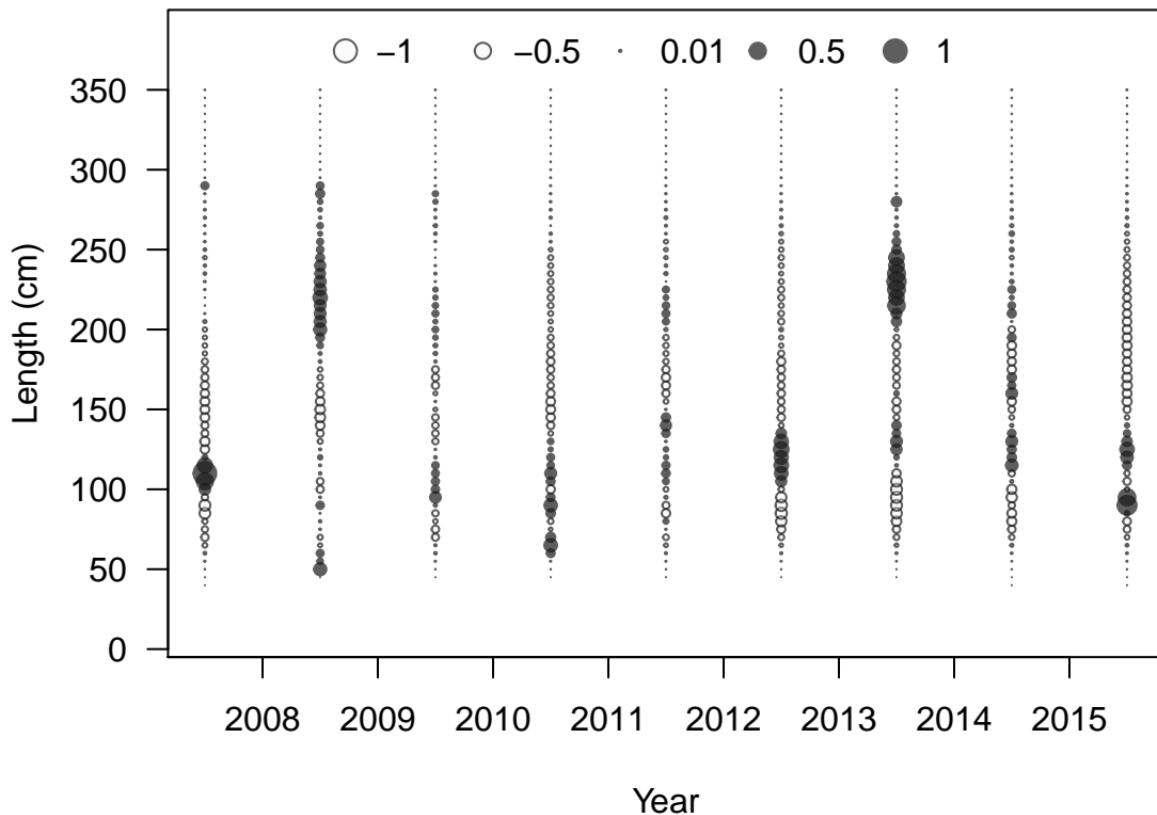
BB52_06 (whole catch)



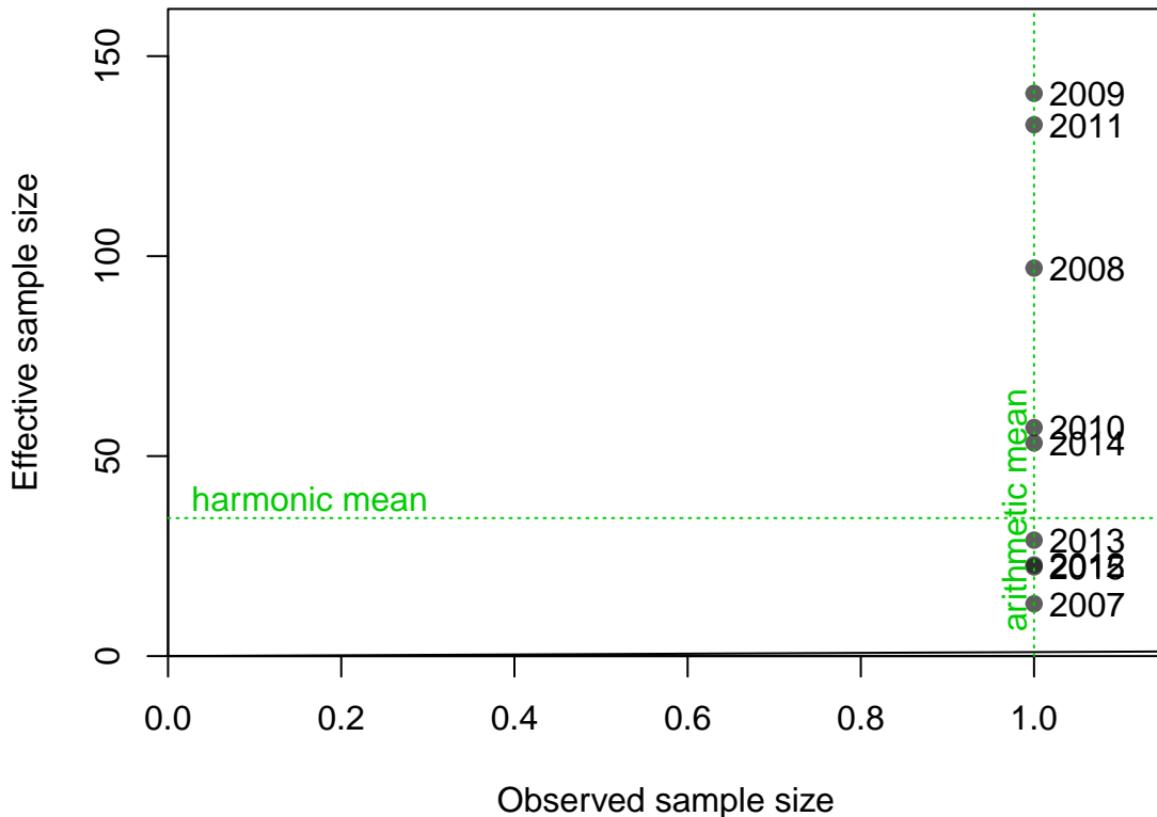
Length comps, whole catch, BB06_15



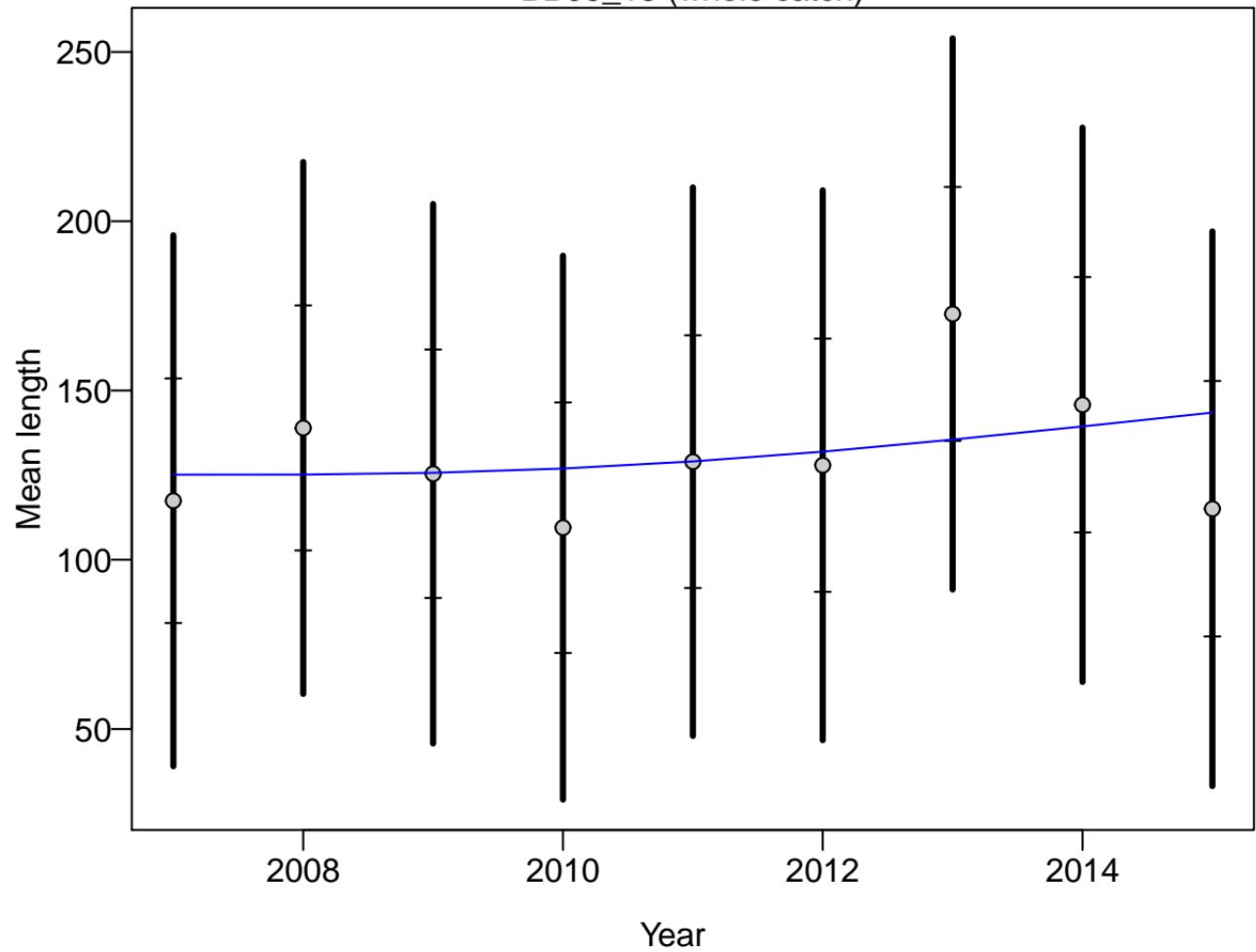
Pearson residuals, whole catch, BB06_15 (max=0.96)



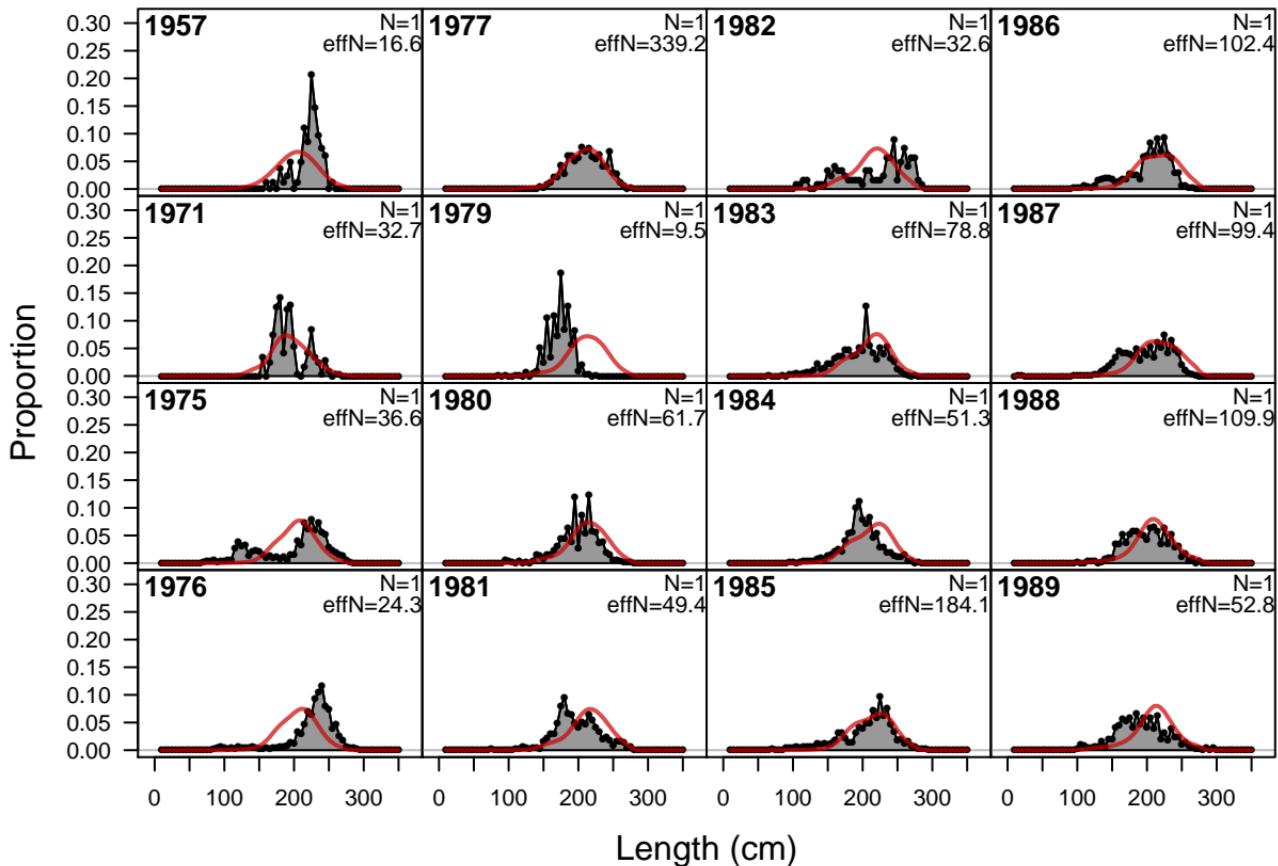
N-EffN comparison, Length comps, whole catch, BB06_15



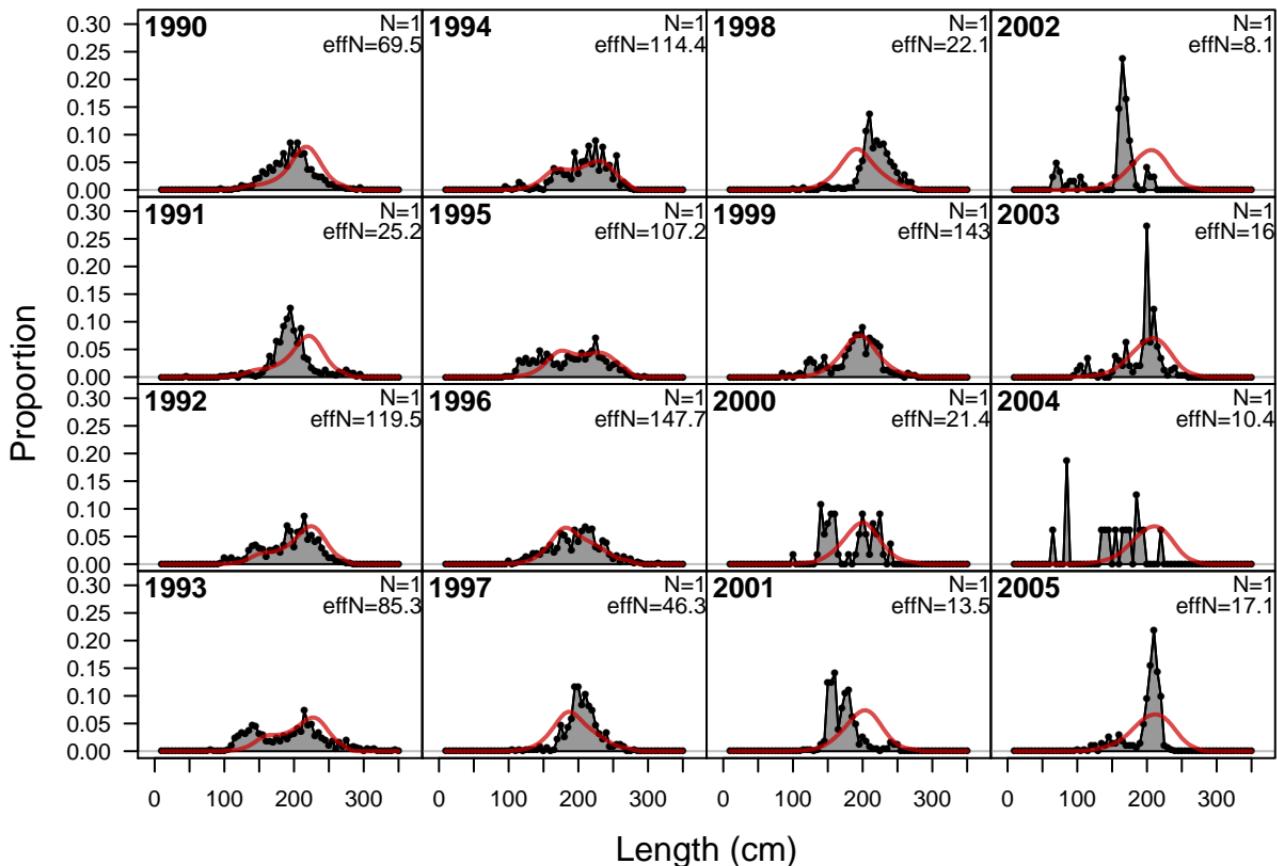
BB06_15 (whole catch)



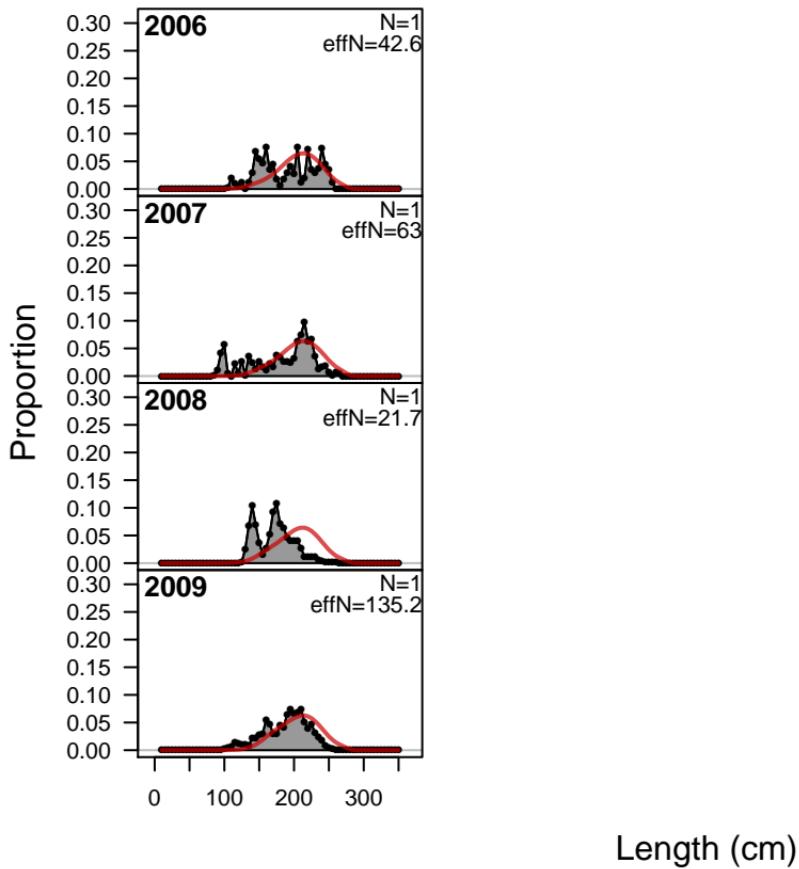
Length comps, whole catch, LL1



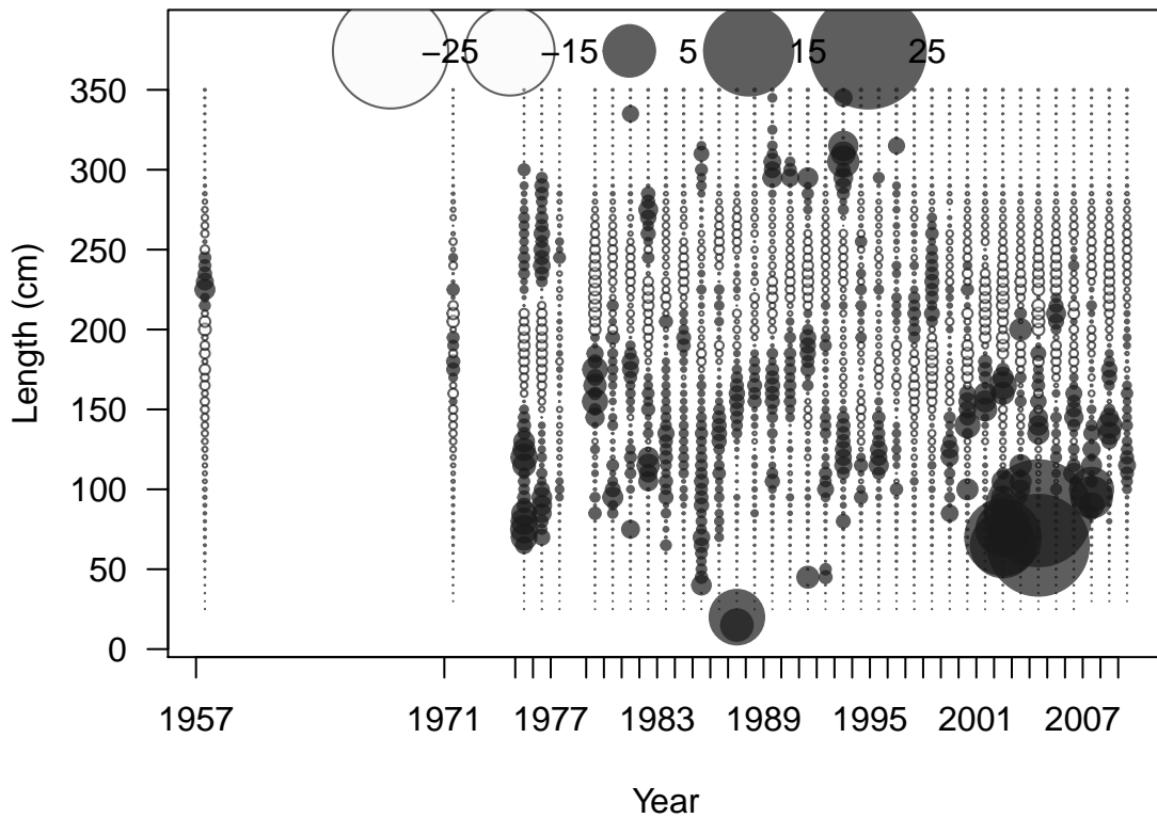
Length comps, whole catch, LL1



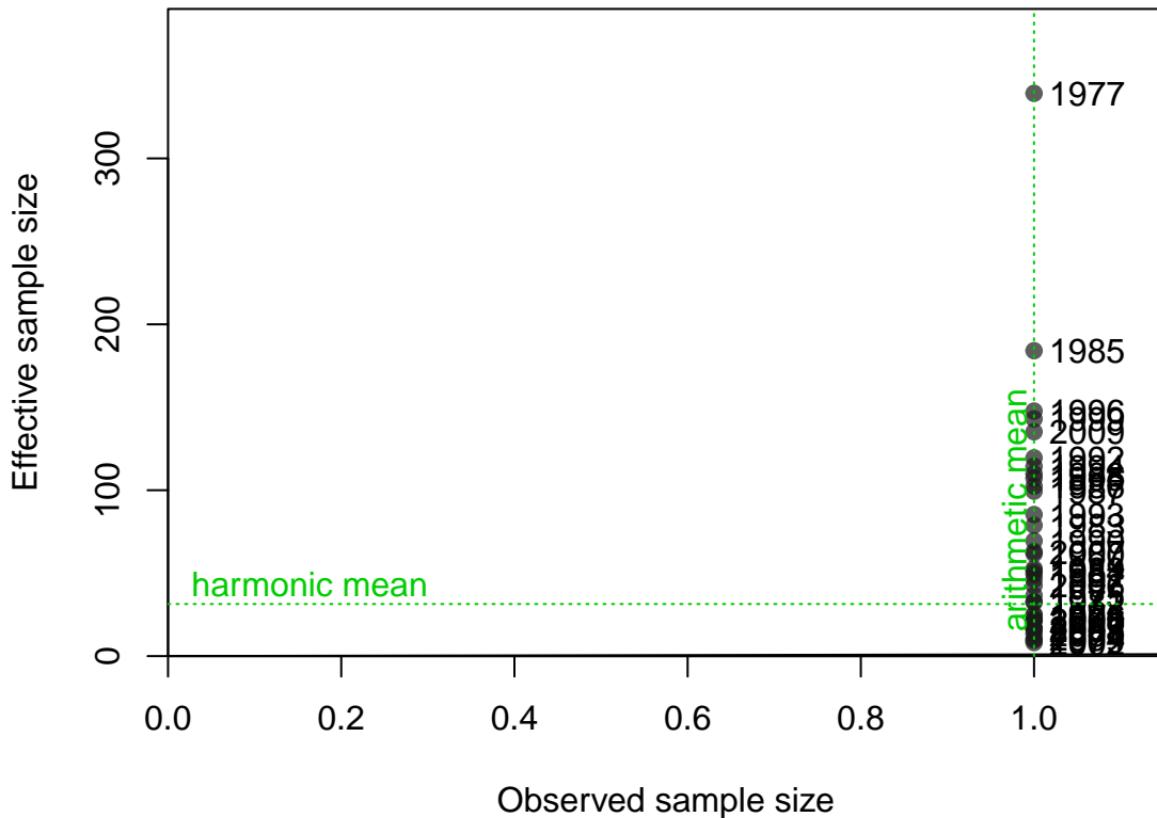
Length comps, whole catch, LL1



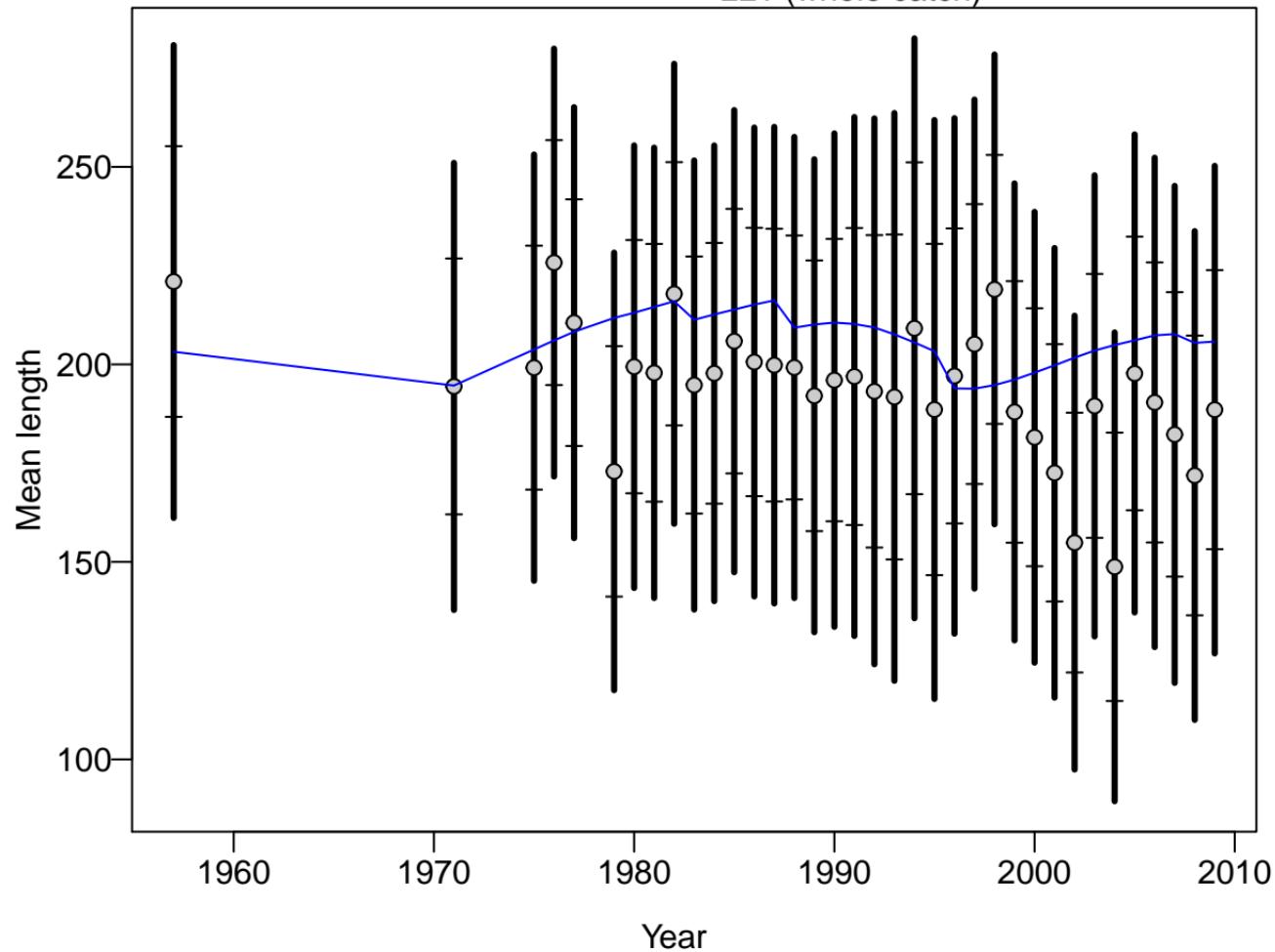
Pearson residuals, whole catch, LL1 (max=21.14)



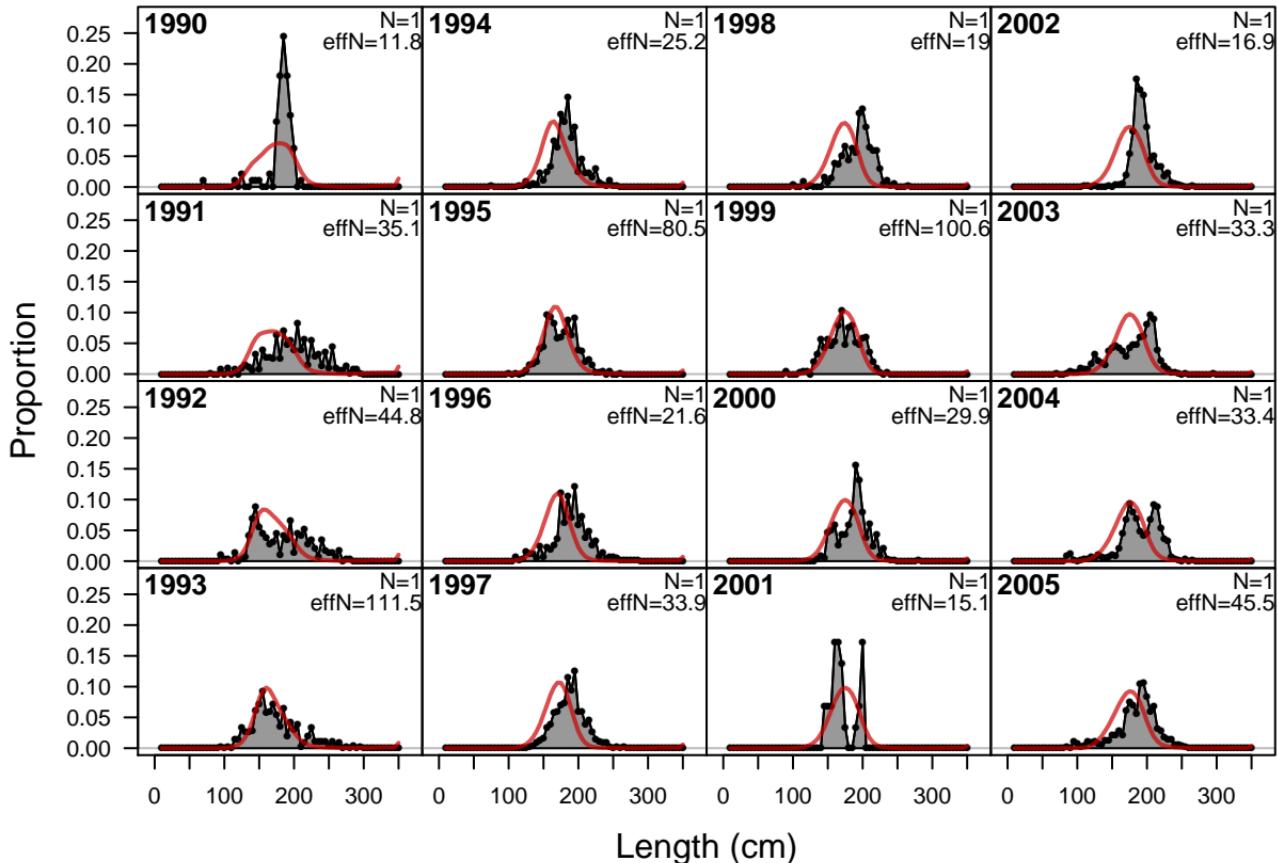
N-EffN comparison, Length comps, whole catch, LL1



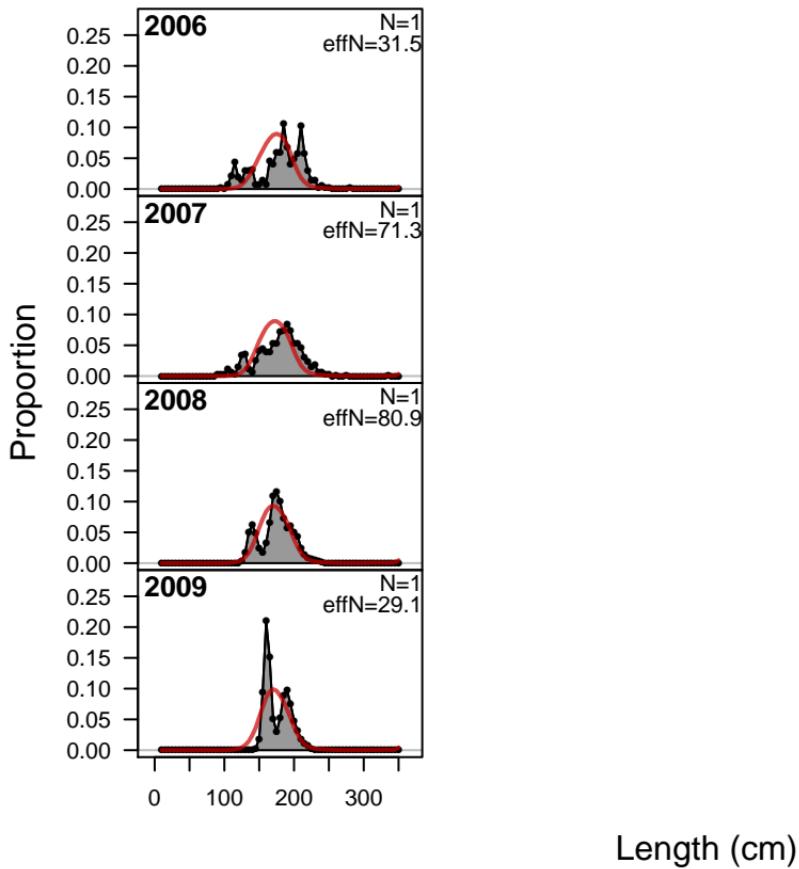
LL1 (whole catch)



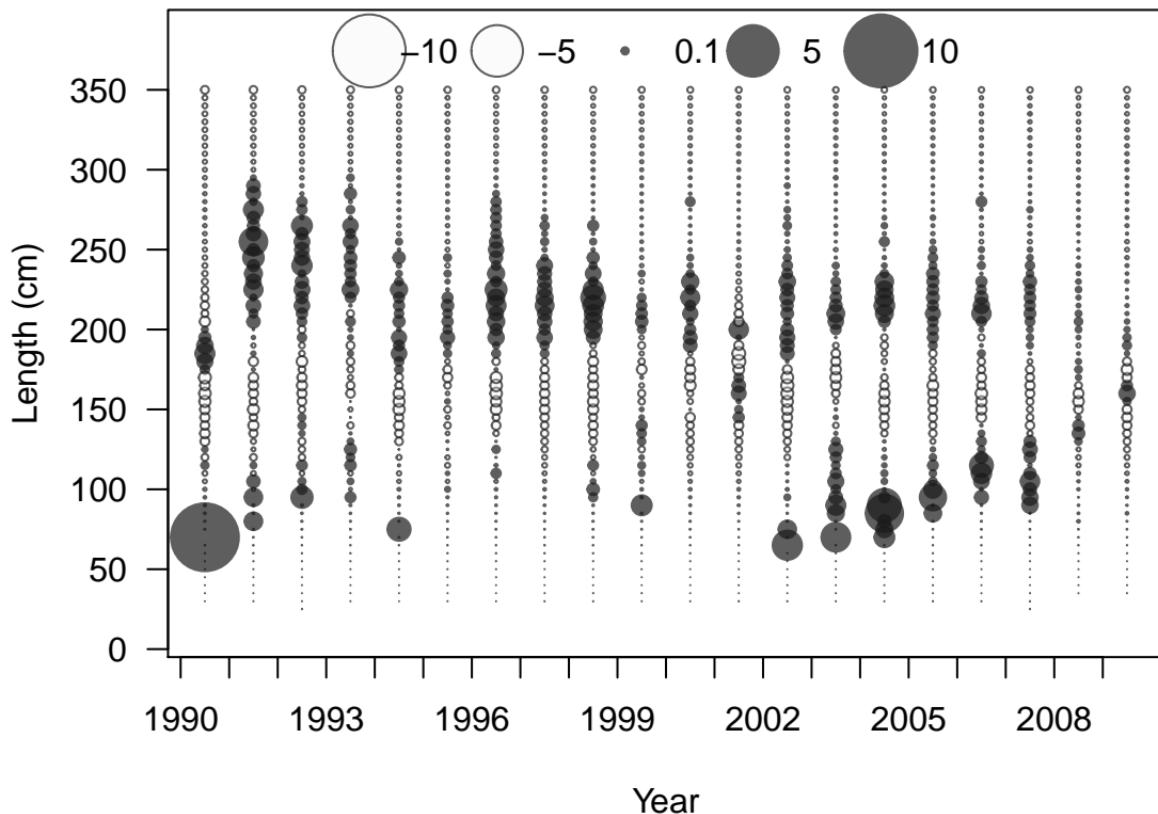
Length comps, whole catch, LL2



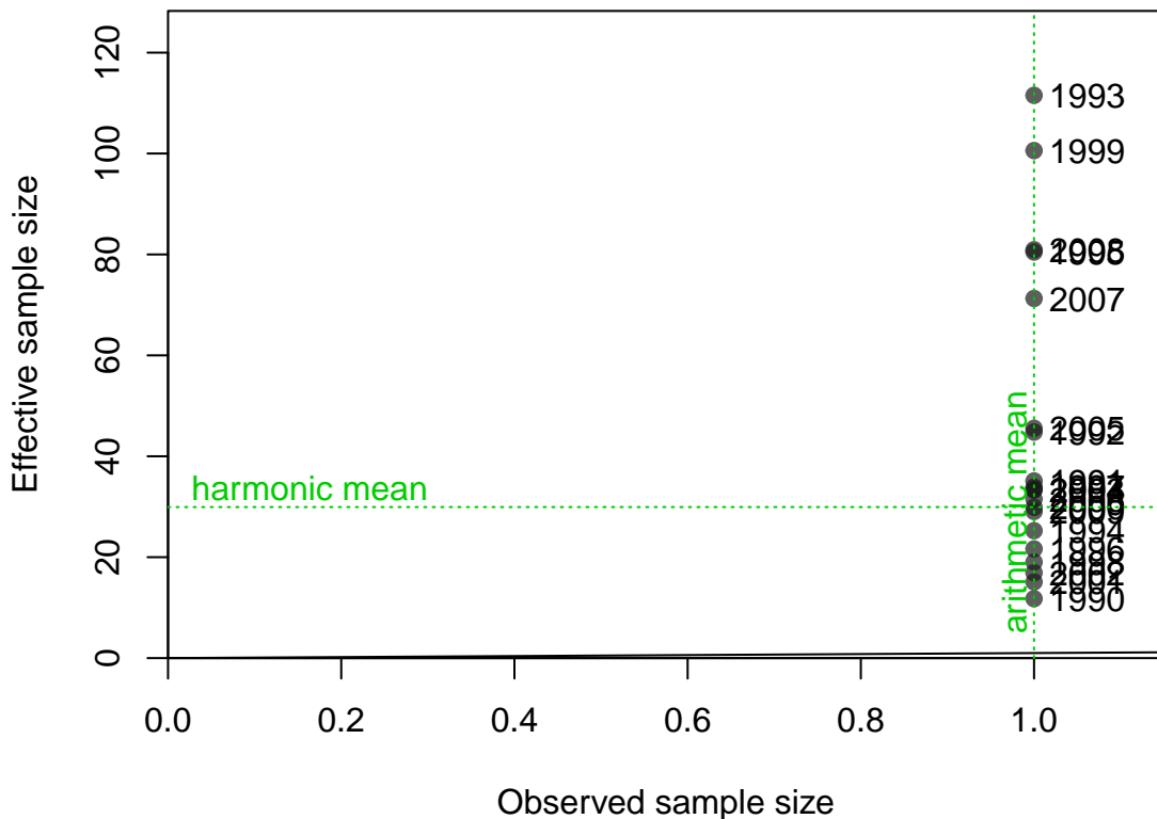
Length comps, whole catch, LL2



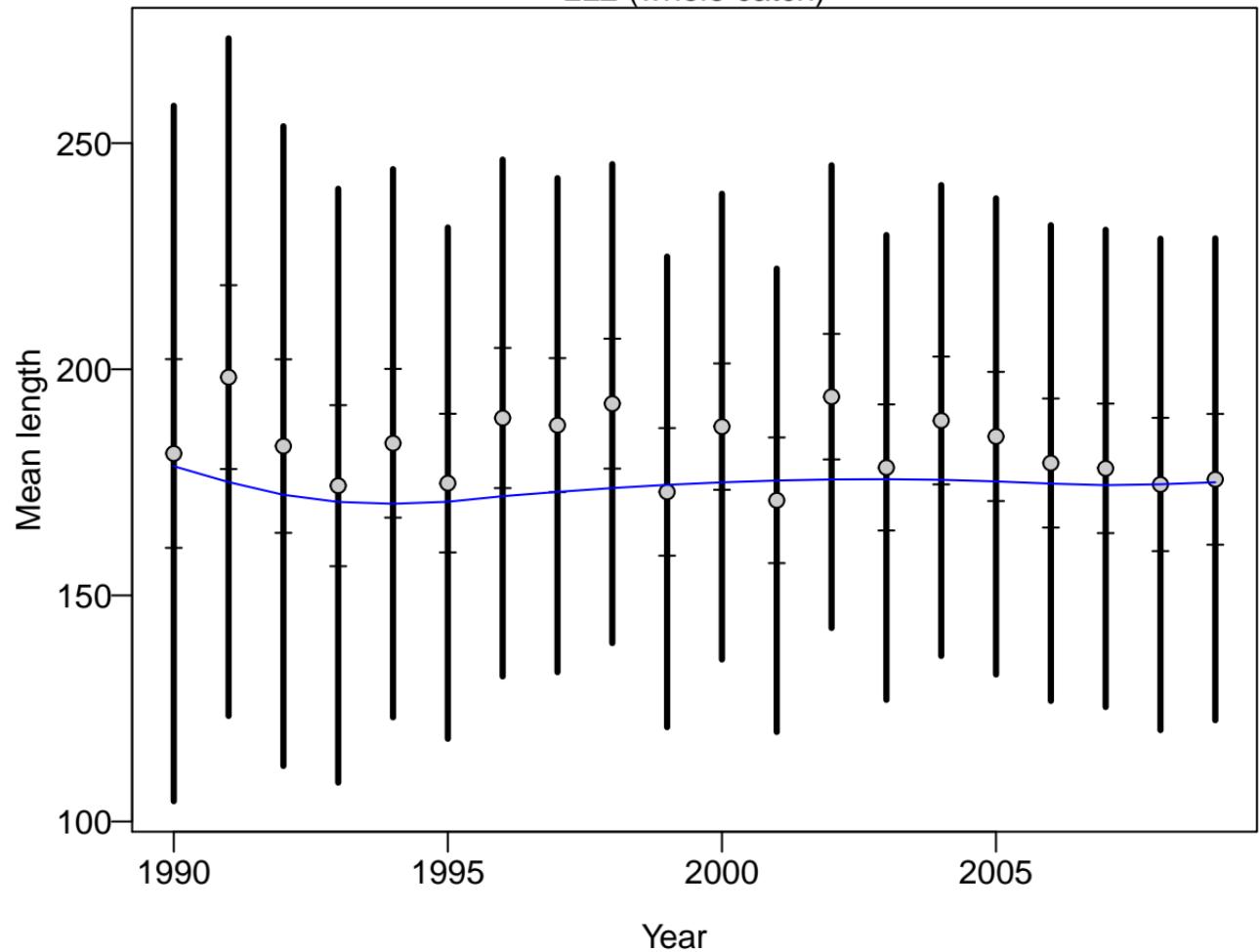
Pearson residuals, whole catch, LL2 (max=8.67)



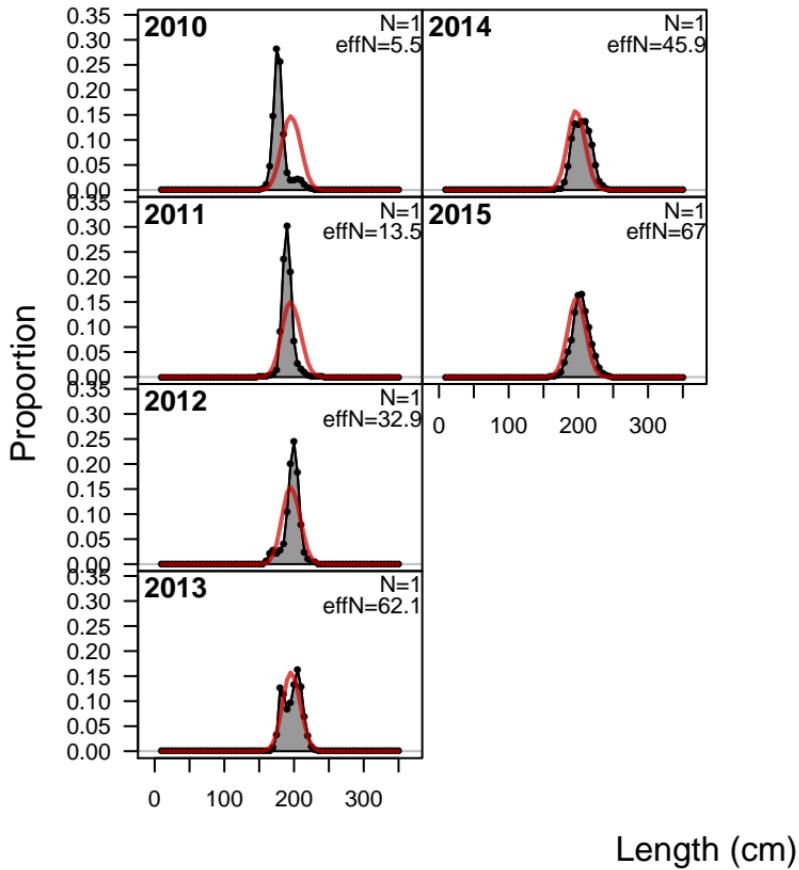
N-EffN comparison, Length comps, whole catch, LL2



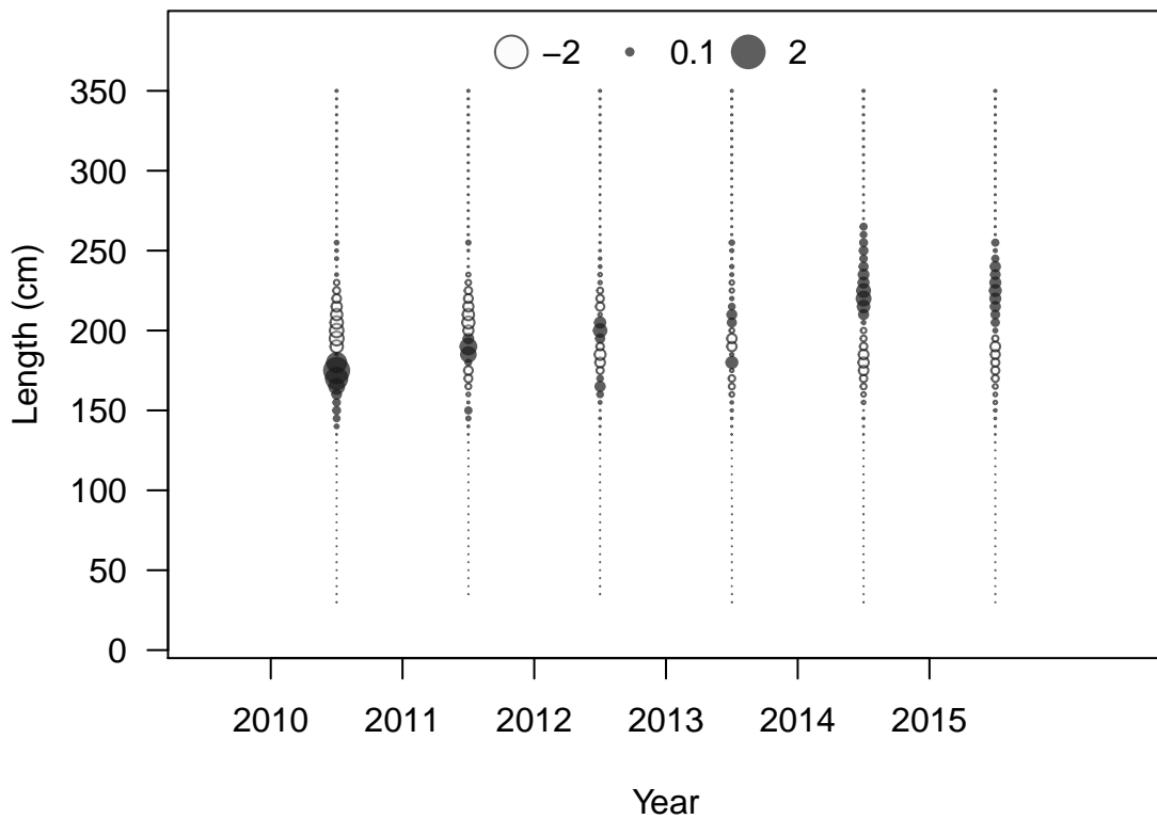
LL2 (whole catch)



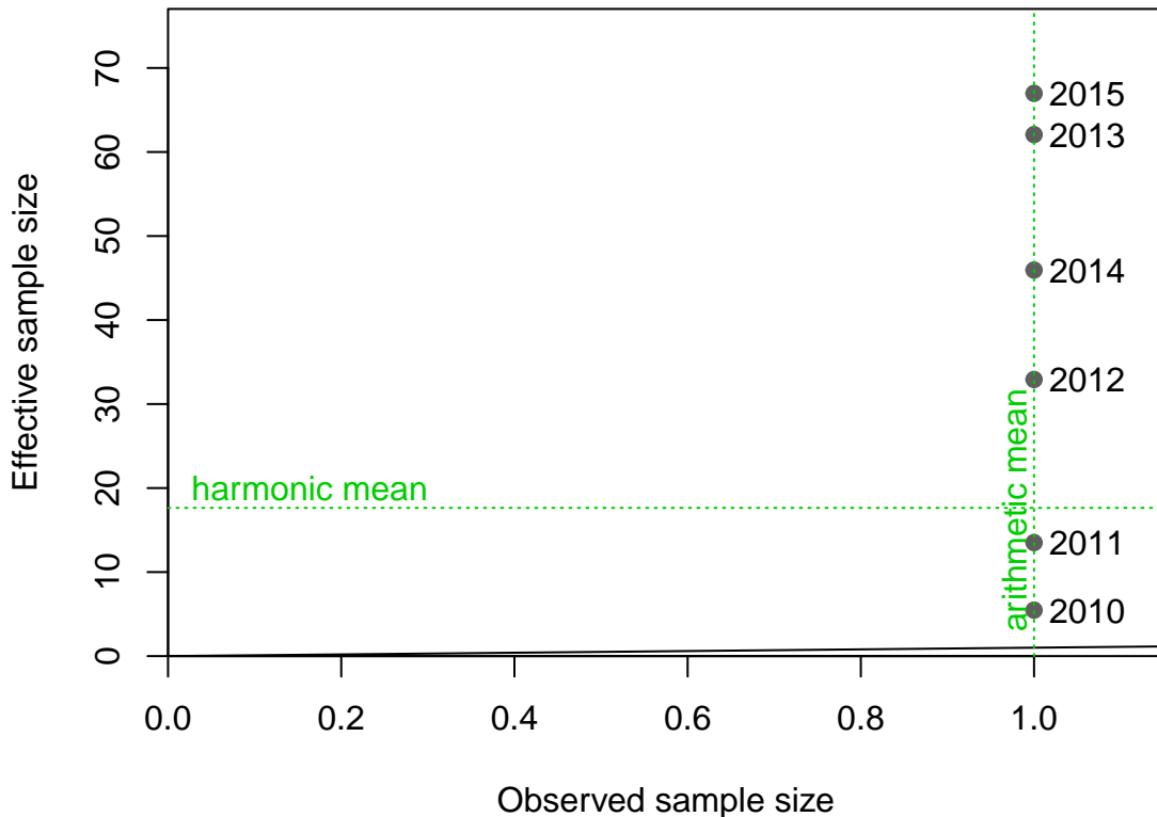
Length comps, whole catch, LL3



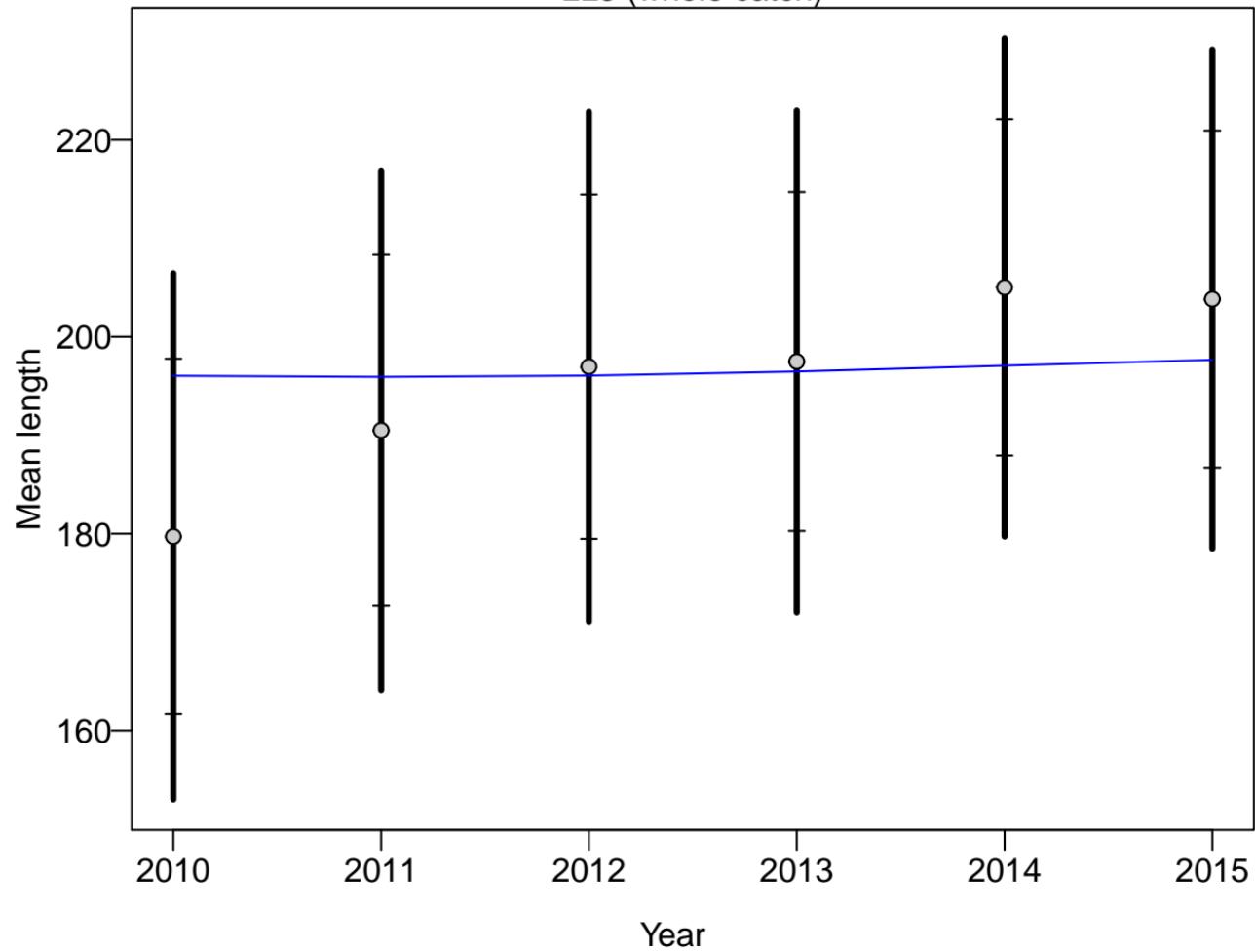
Pearson residuals, whole catch, LL3 (max=1.17)



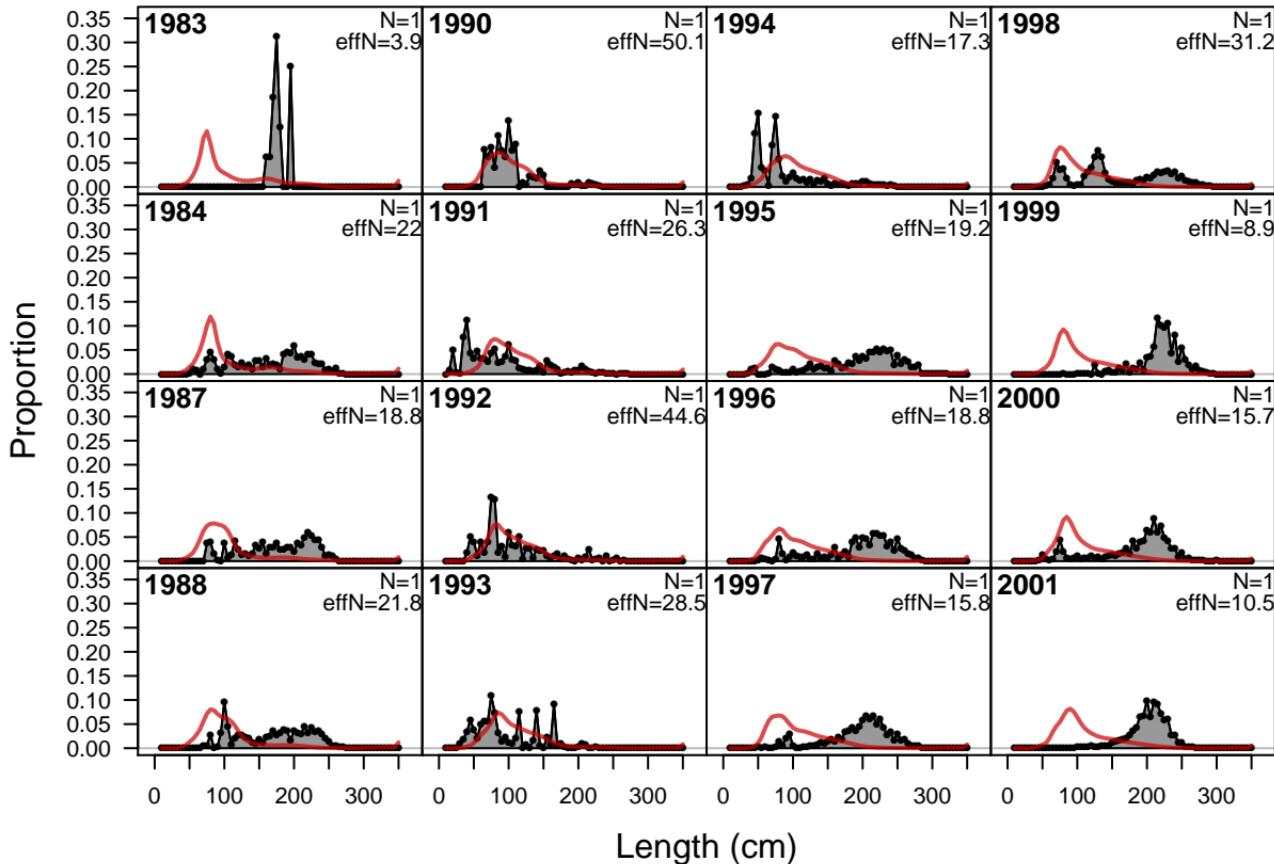
N-EffN comparison, Length comps, whole catch, LL3



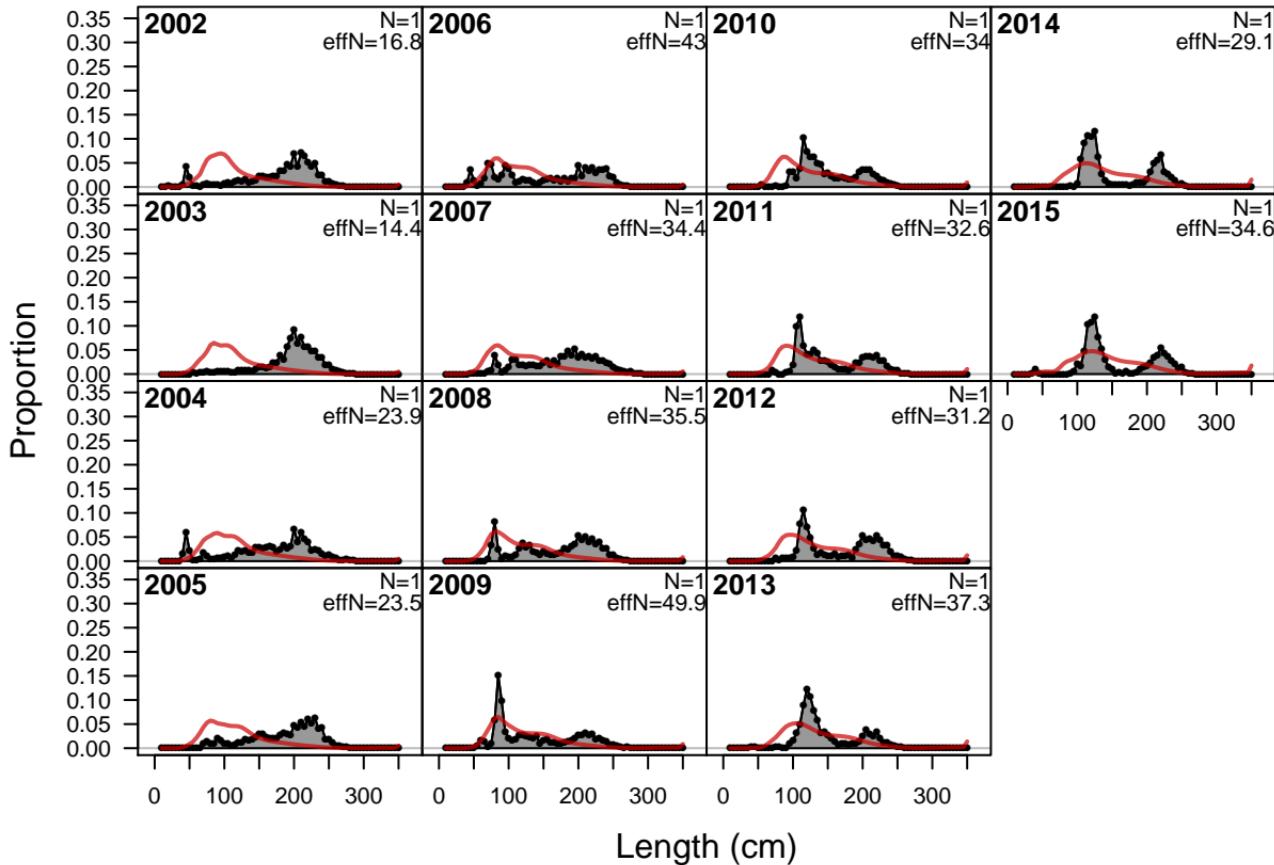
LL3 (whole catch)



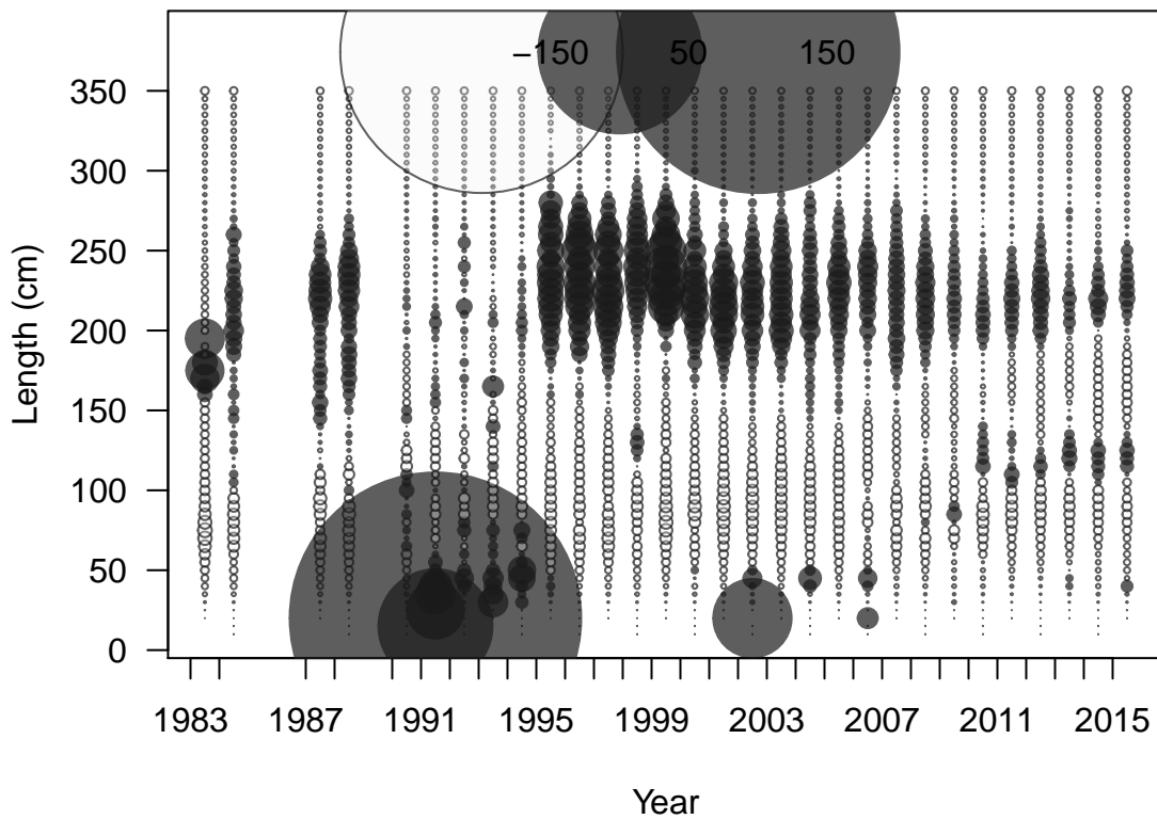
Length comps, whole catch, LL4



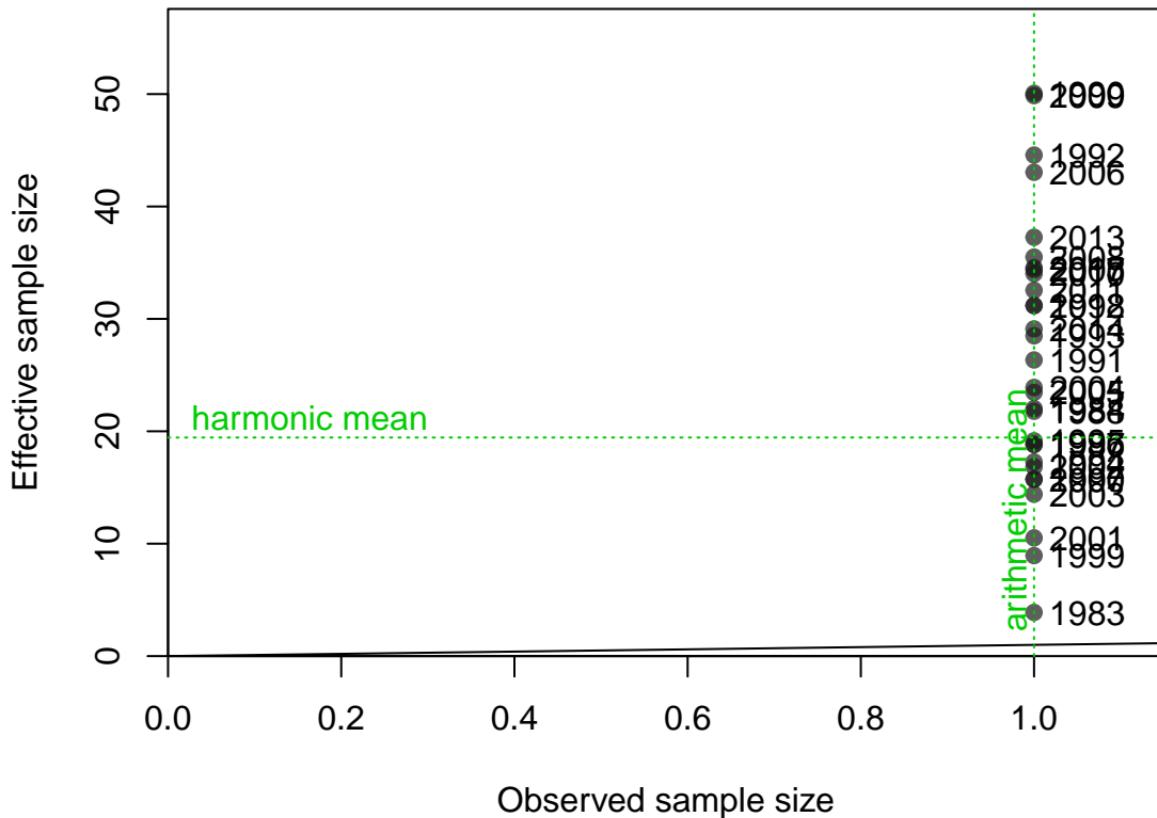
Length comps, whole catch, LL4



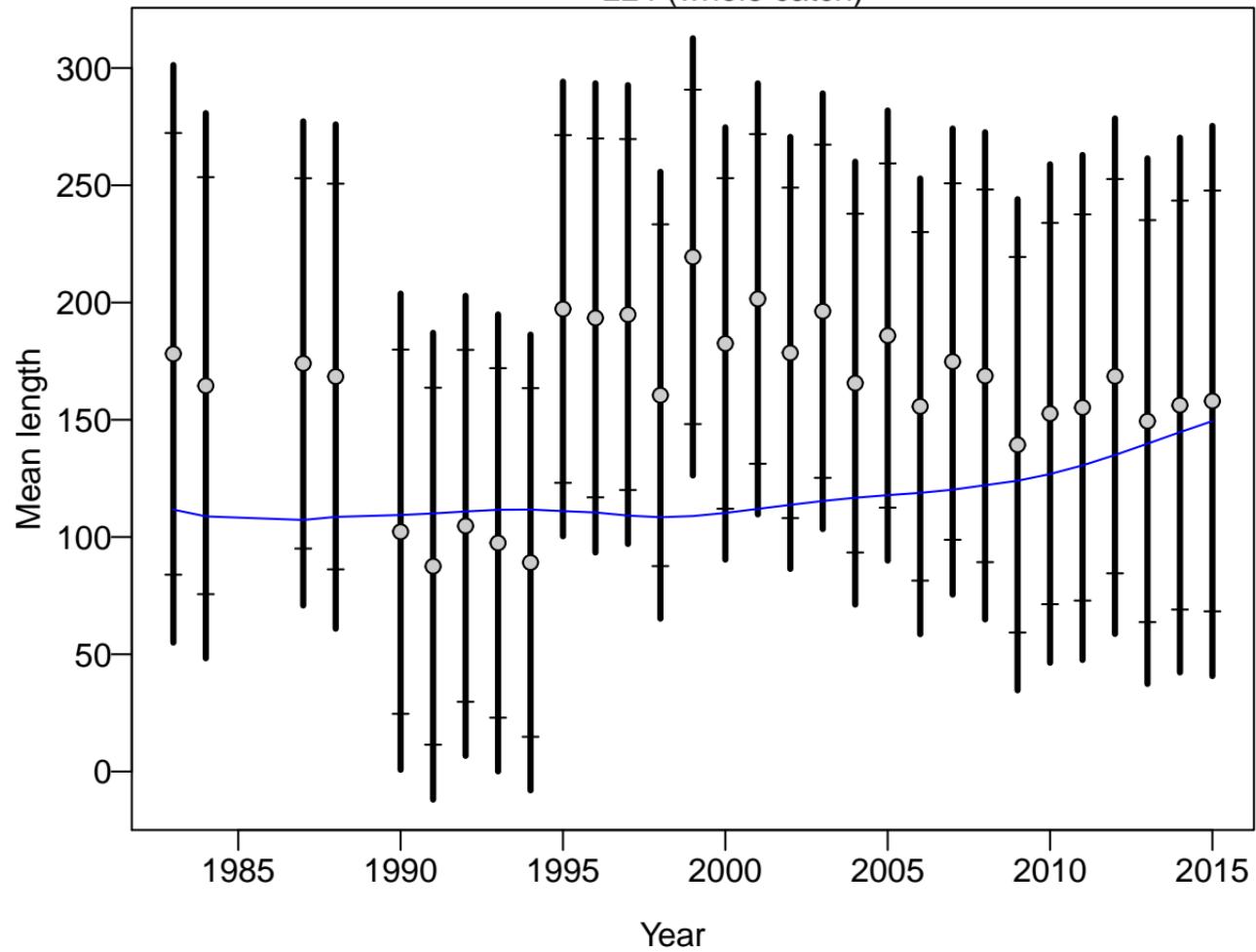
Pearson residuals, whole catch, LL4 (max=159.71)



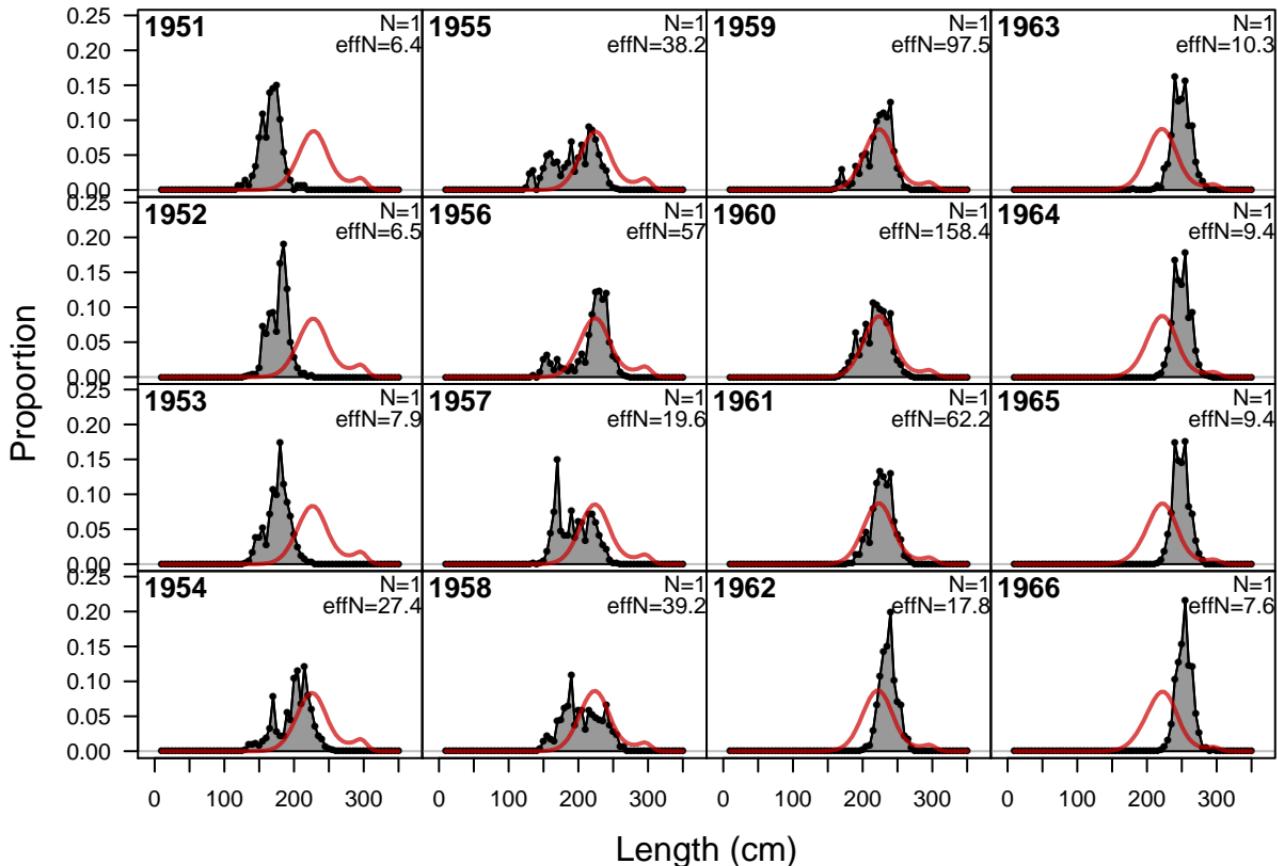
N-EffN comparison, Length comps, whole catch, LL4



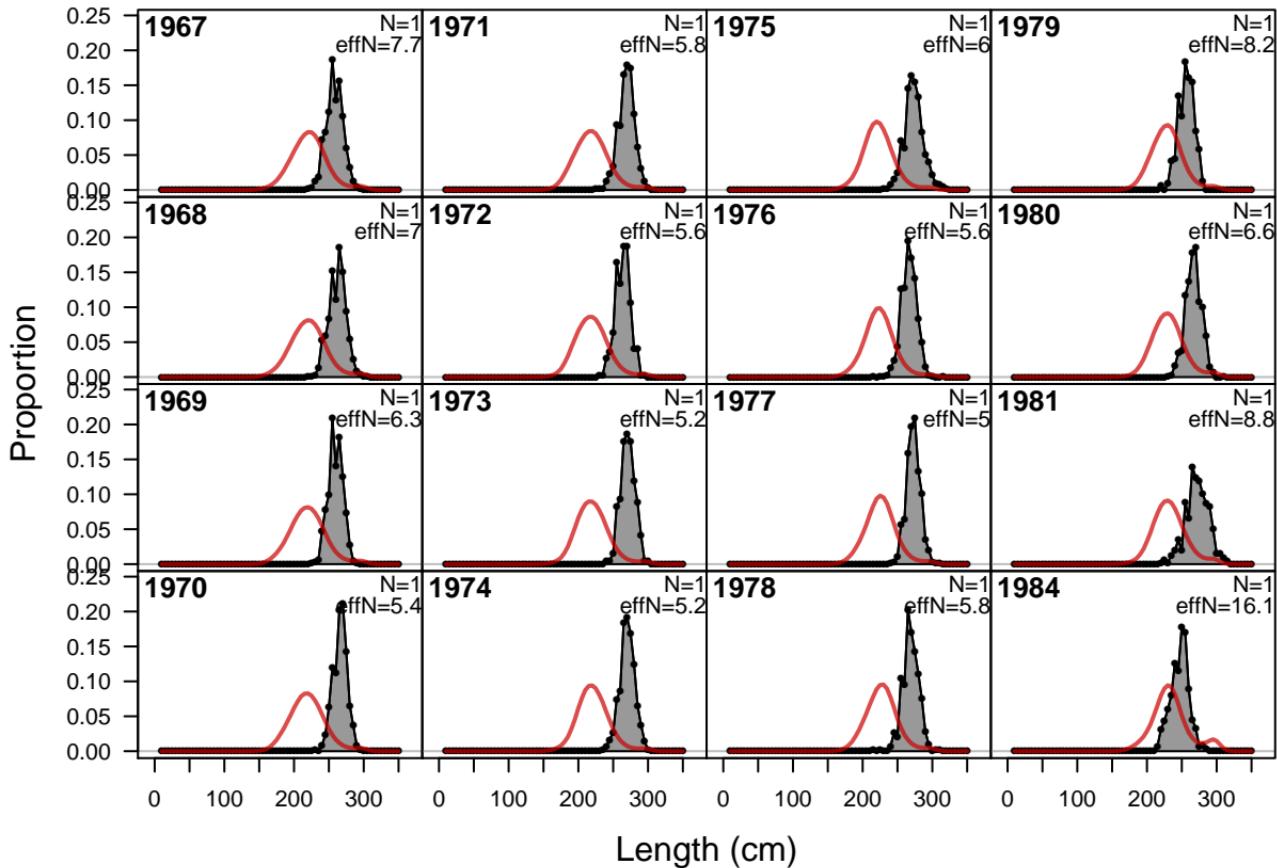
LL4 (whole catch)



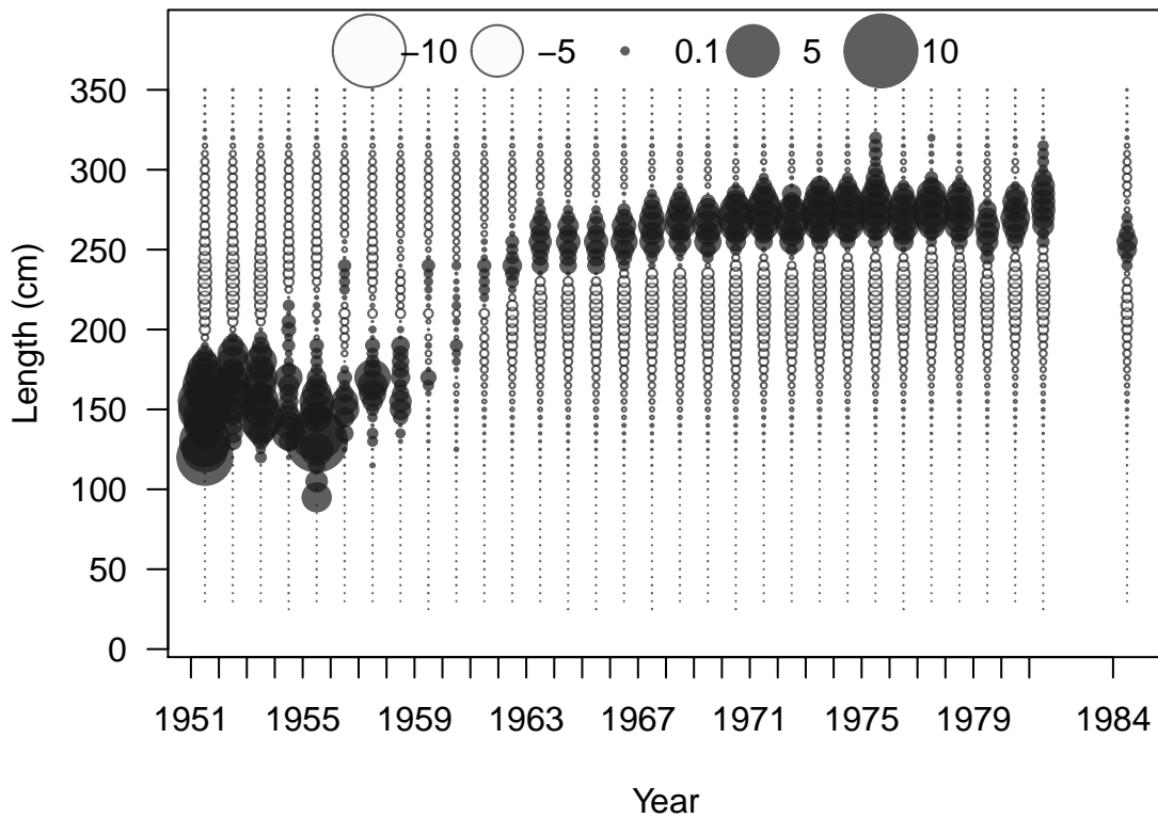
Length comps, whole catch, PS_NOR



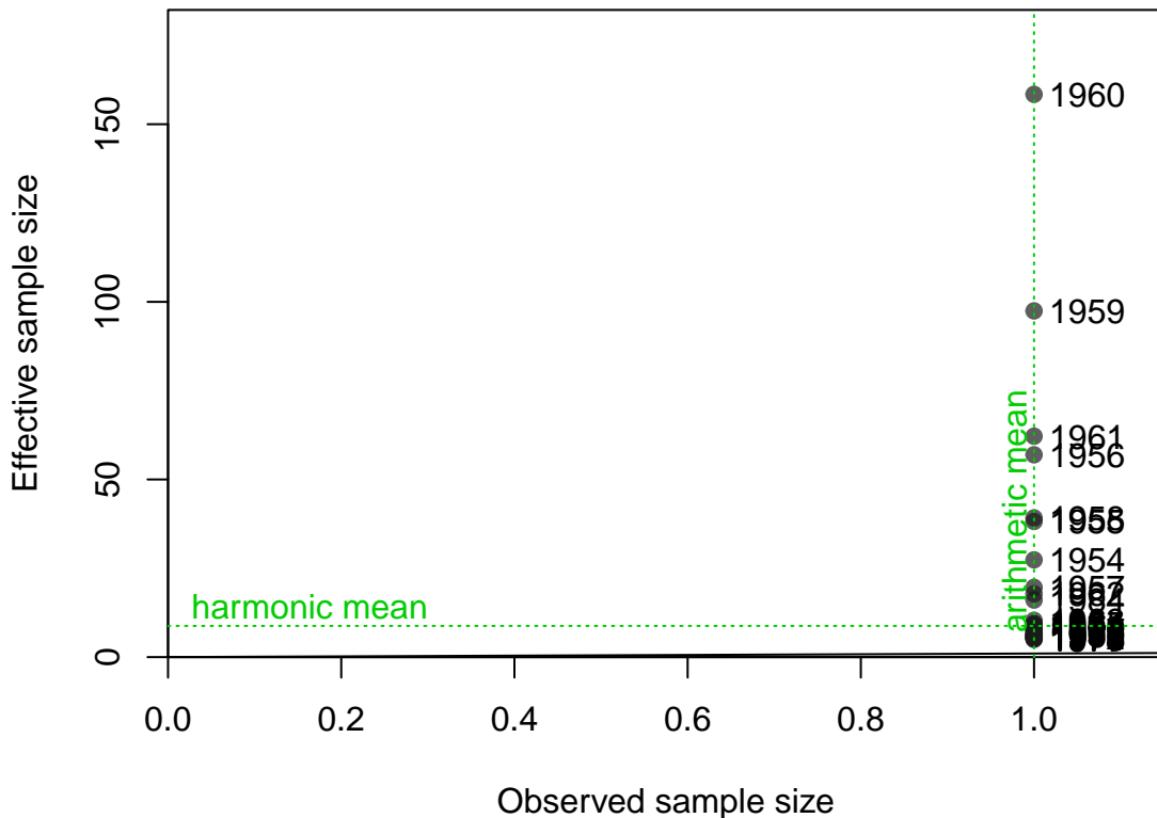
Length comps, whole catch, PS_NOR



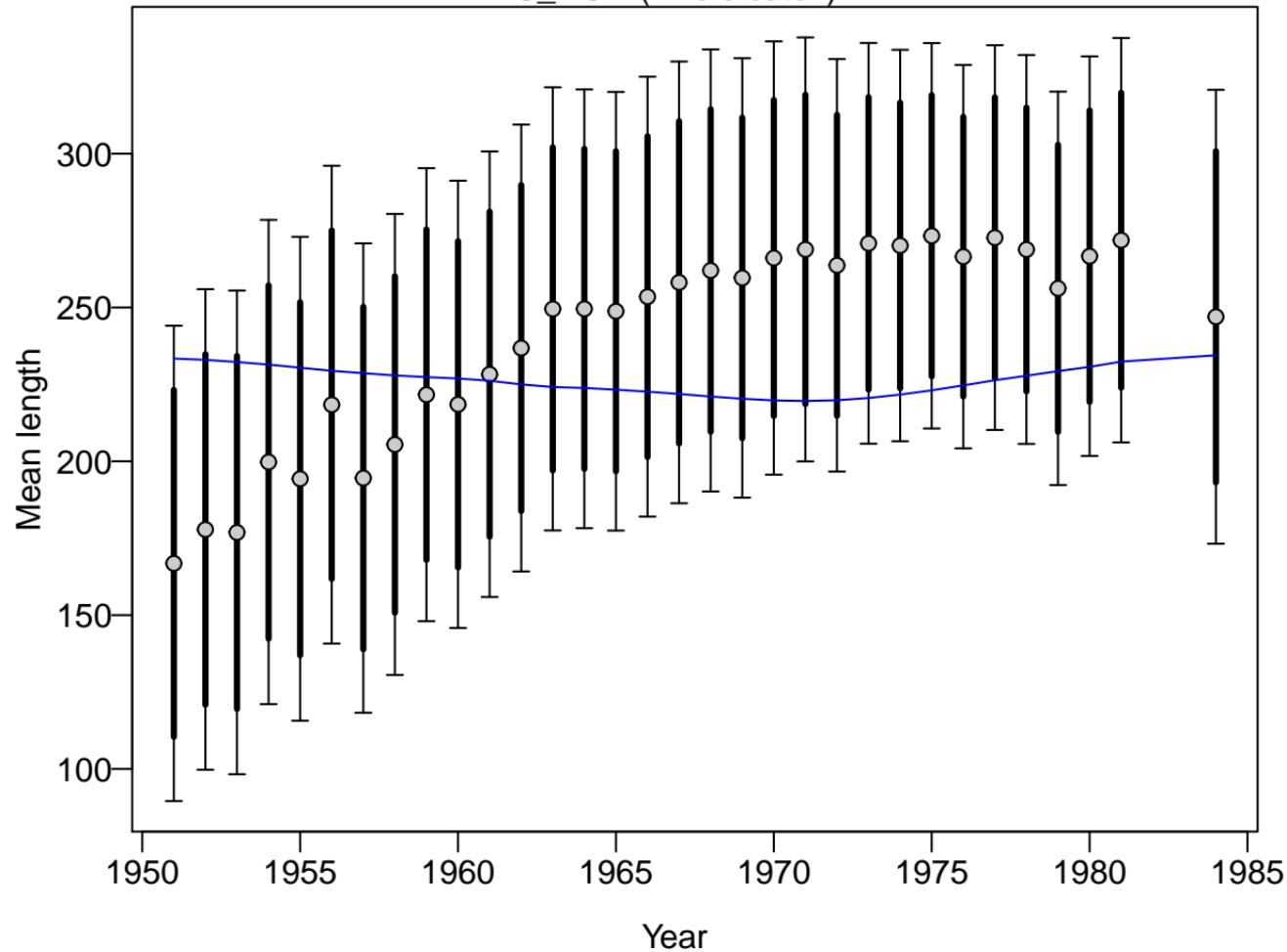
Pearson residuals, whole catch, PS_NOR (max=6.9)



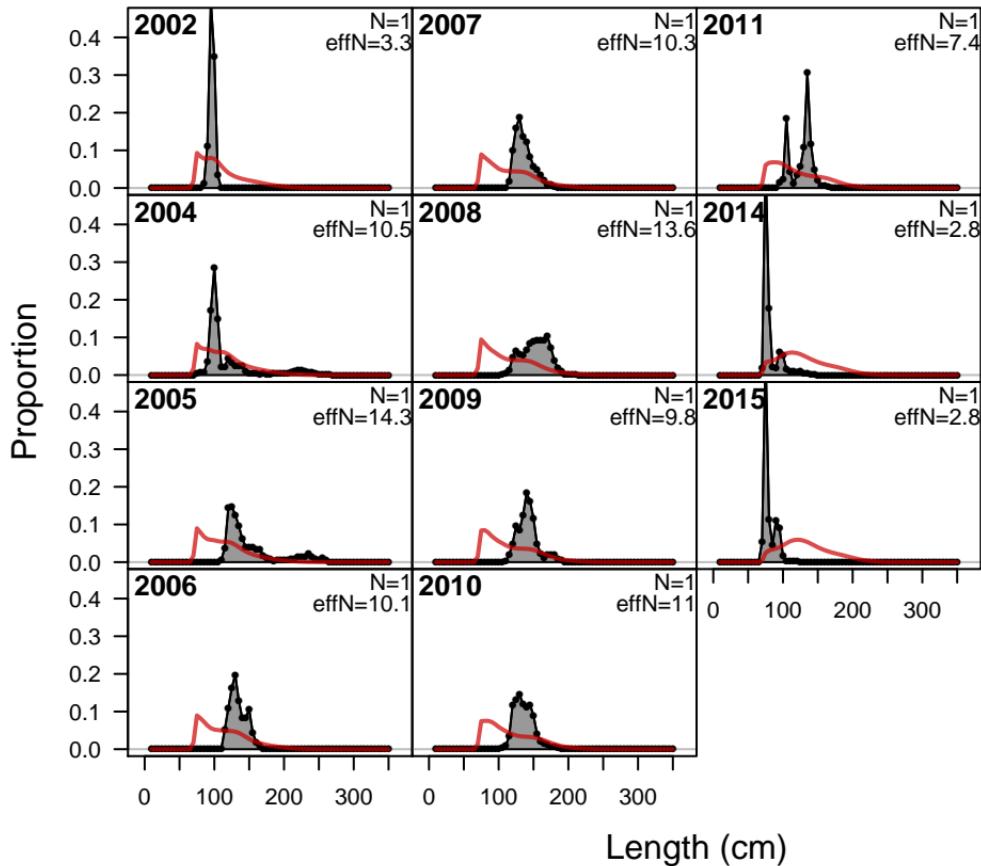
N-EffN comparison, Length comps, whole catch, PS_NOR



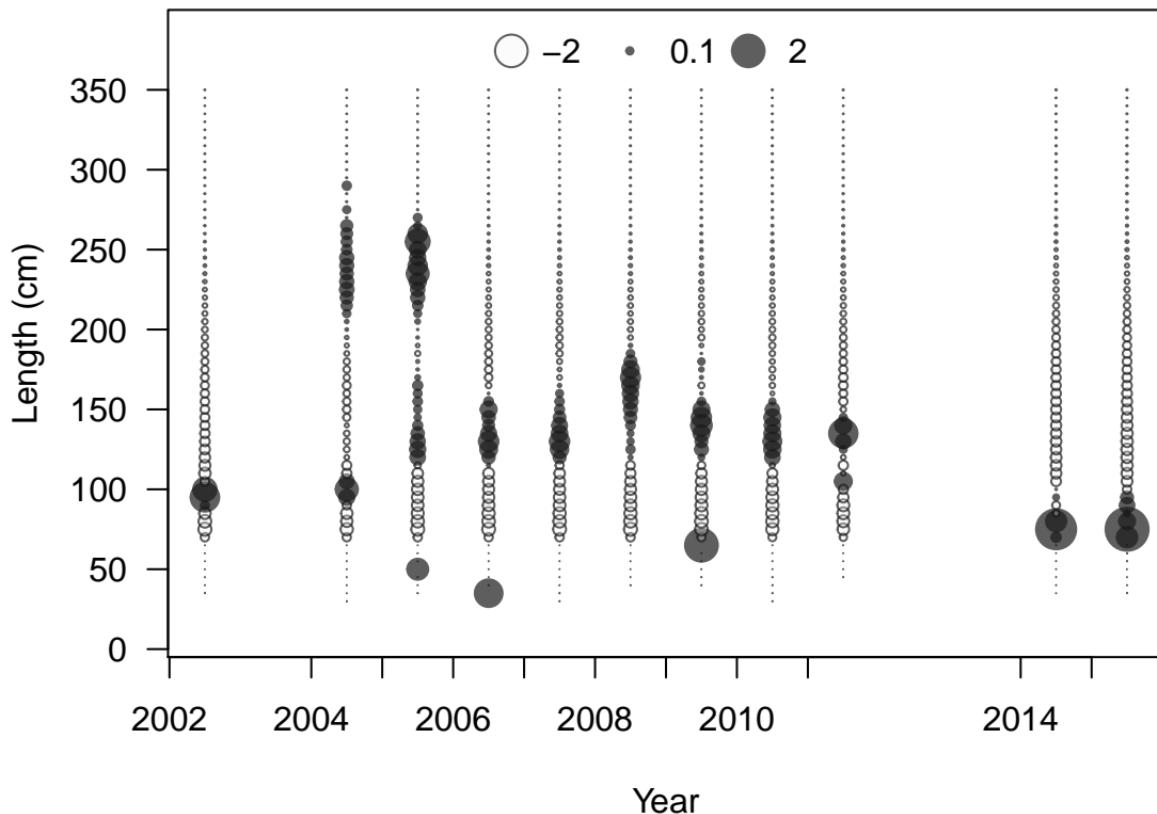
PS_NOR (whole catch)



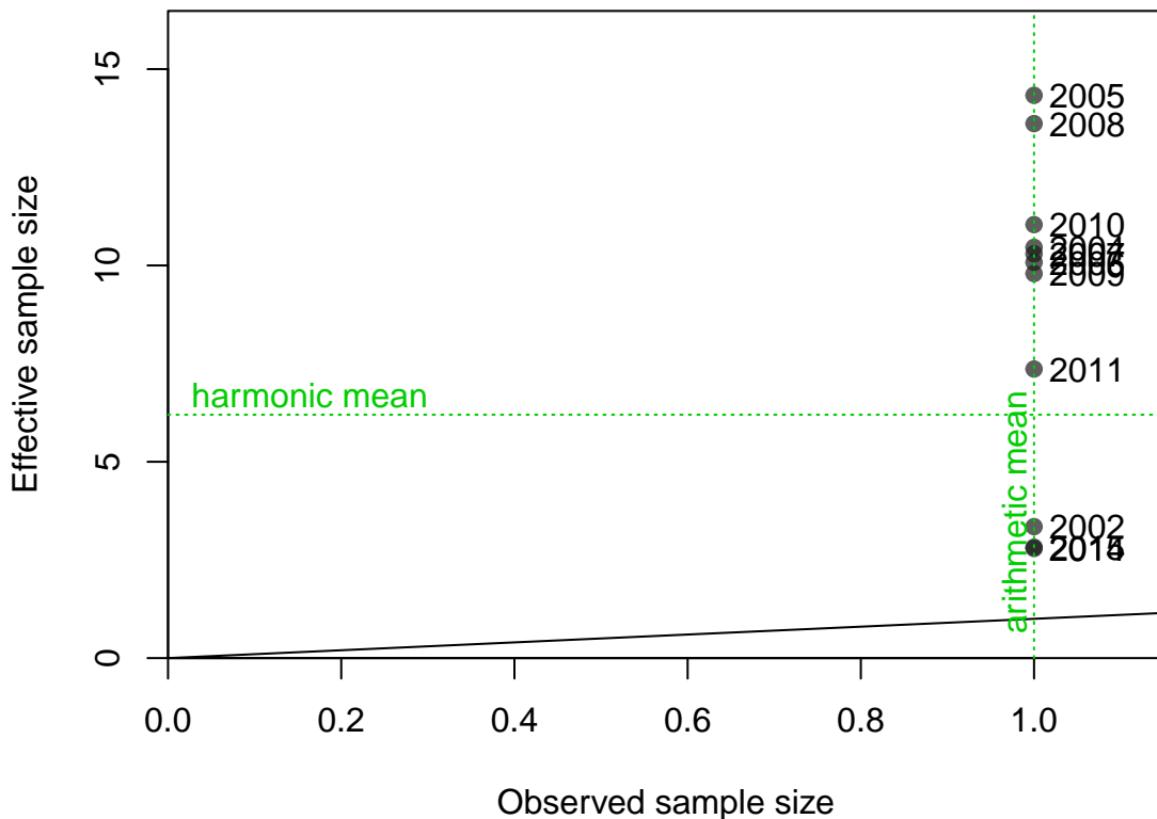
Length comps, whole catch, PS_CRO



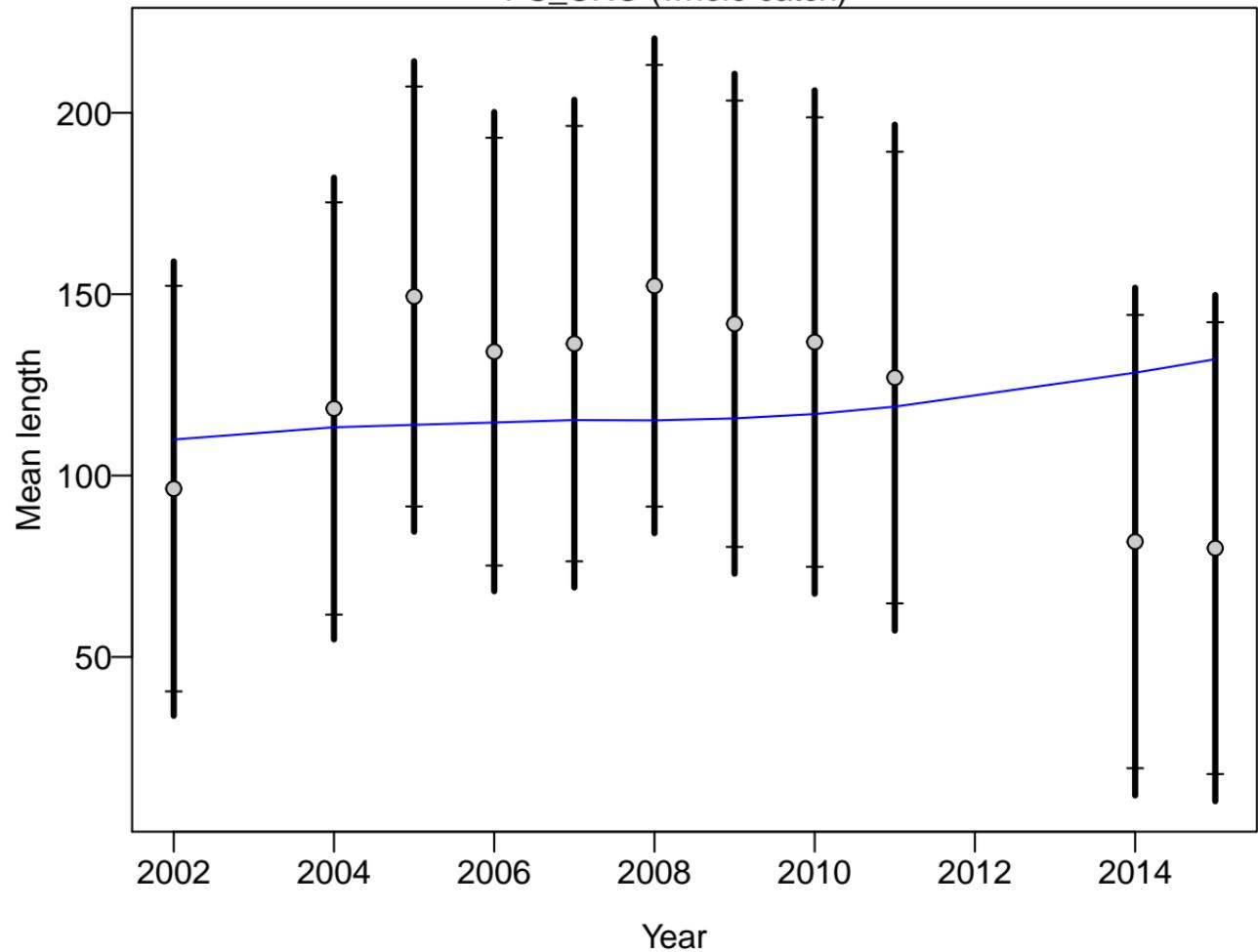
Pearson residuals, whole catch, PS_CRO (max=3.47)



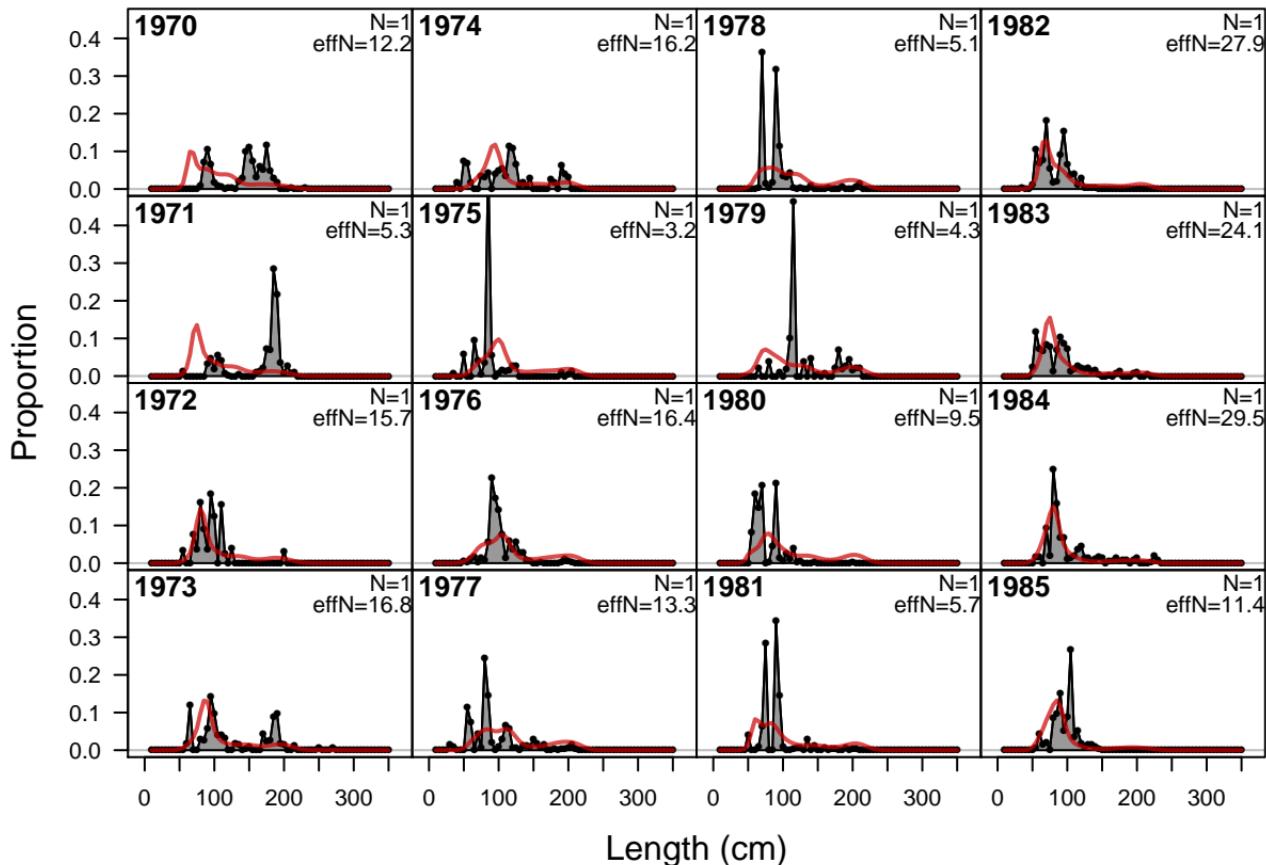
N-EffN comparison, Length comps, whole catch, PS_CRO



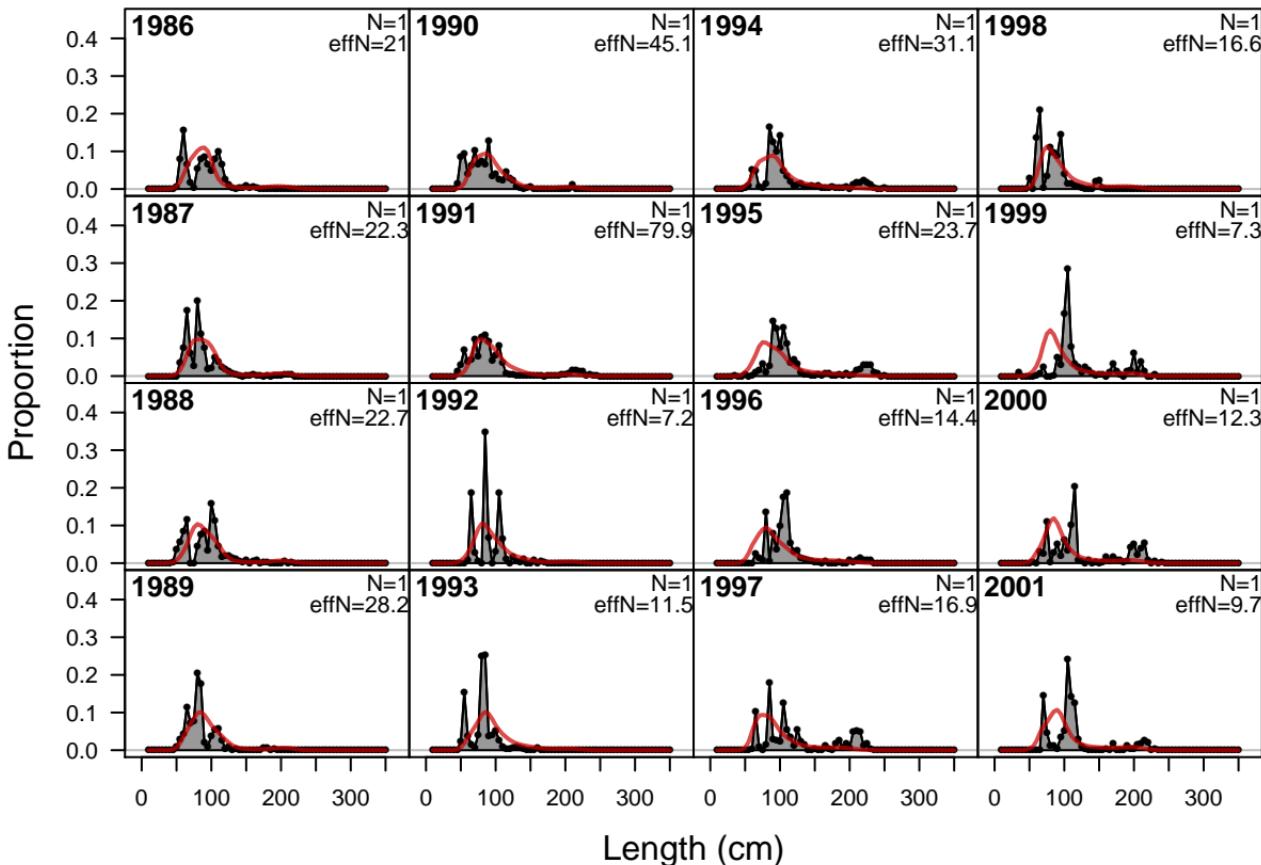
PS_CRO (whole catch)



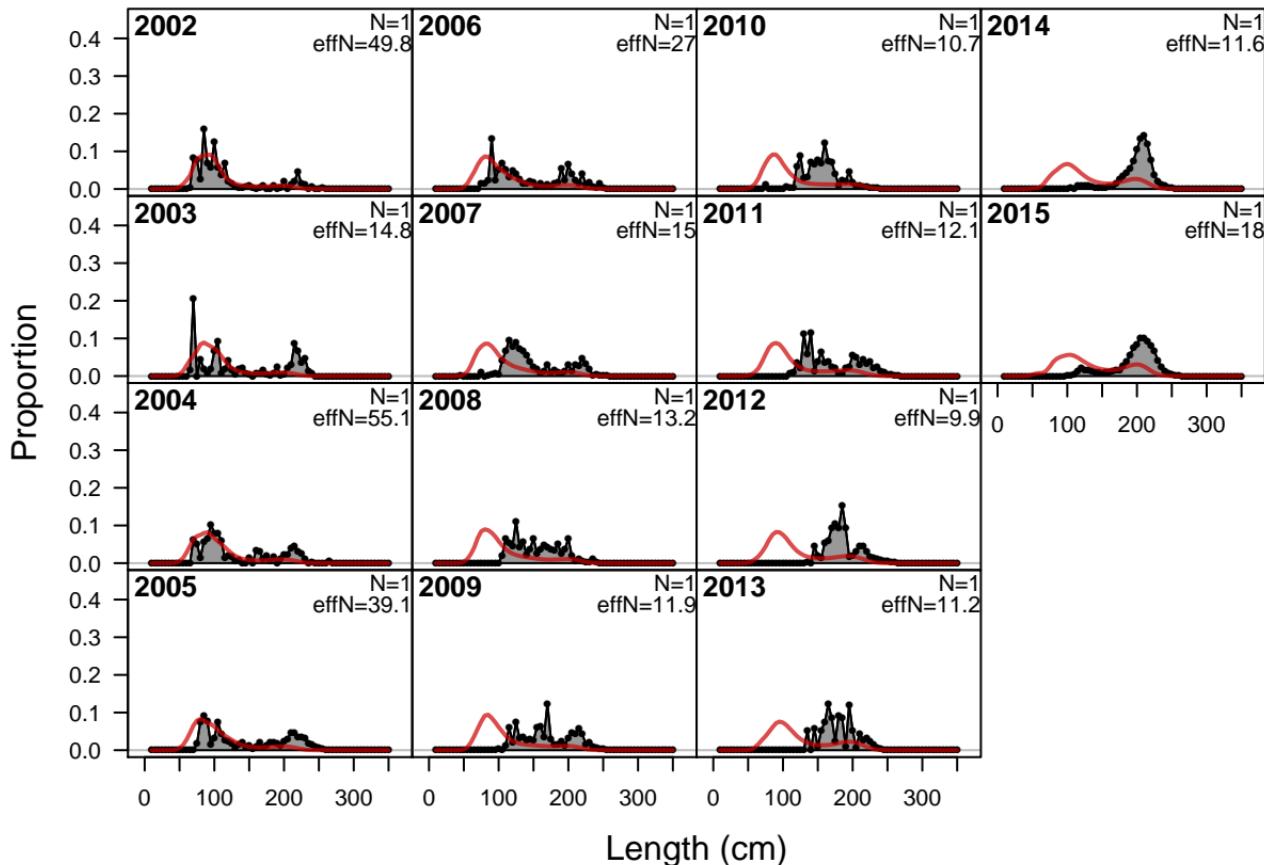
Length comps, whole catch, PS_FR



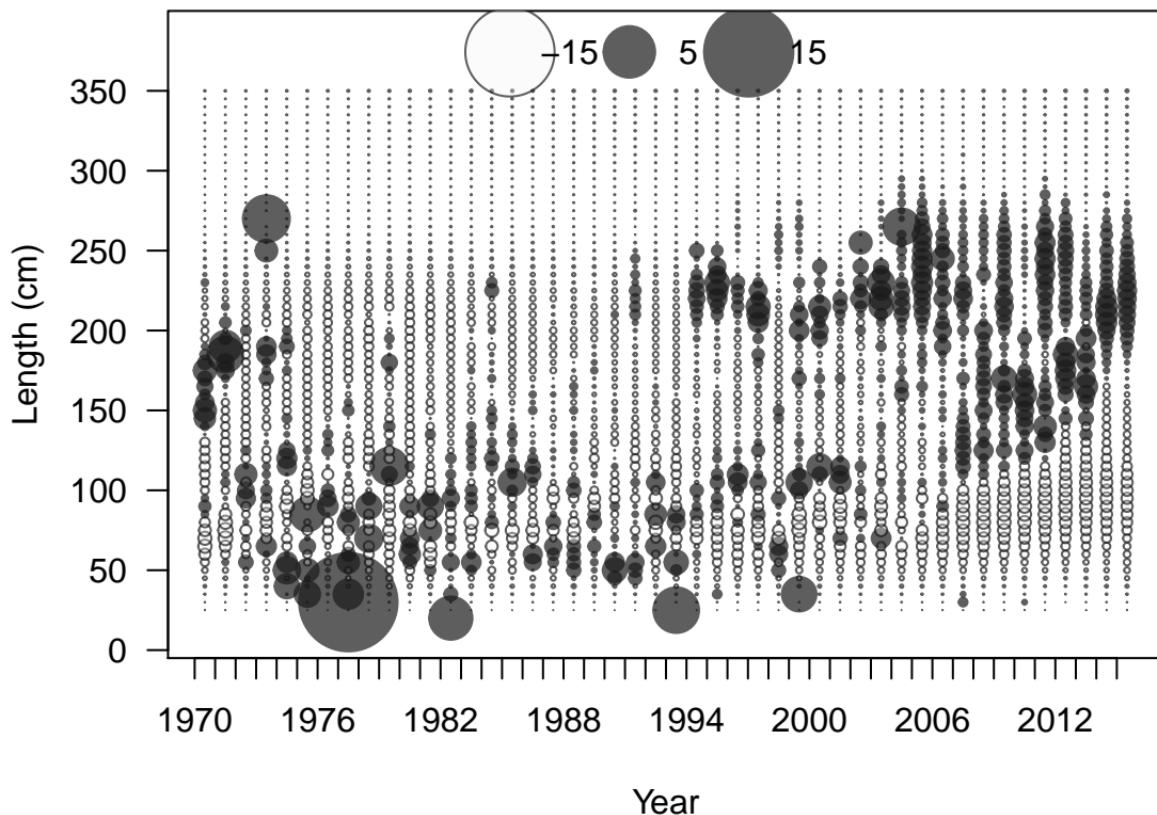
Length comps, whole catch, PS_FR



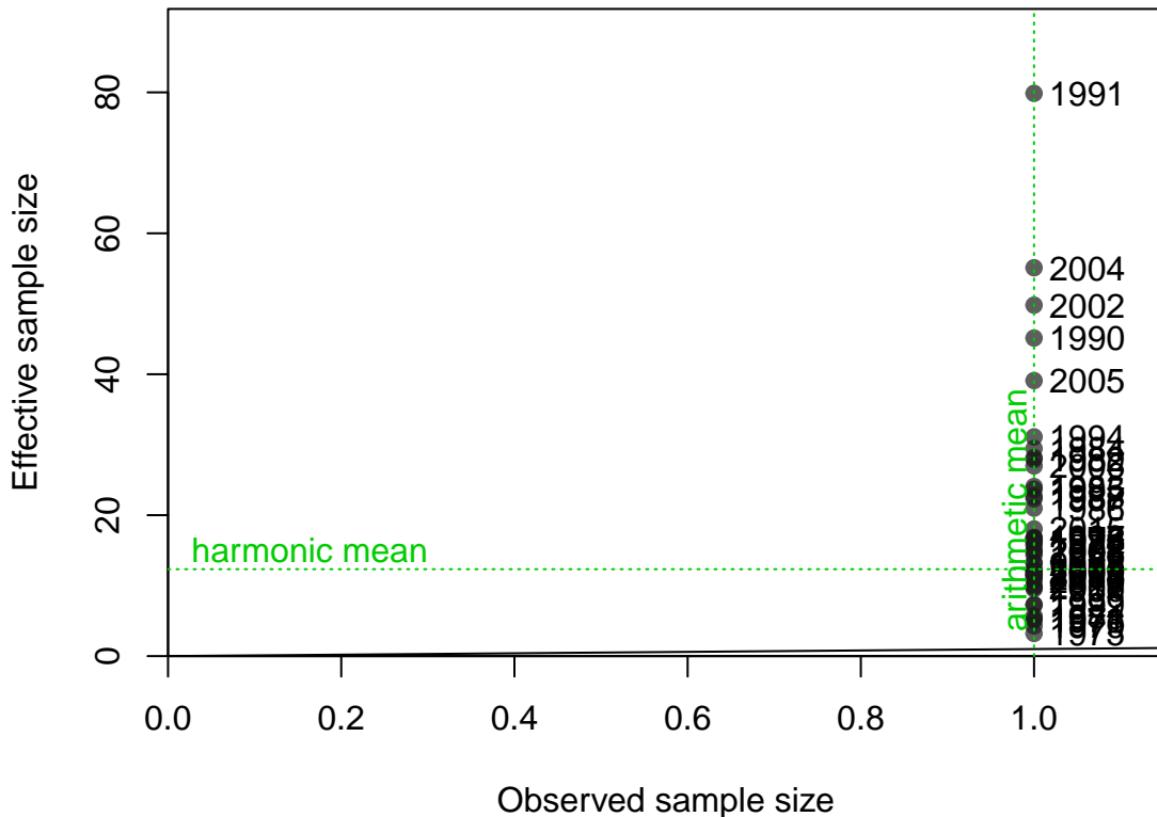
Length comps, whole catch, PS_FR



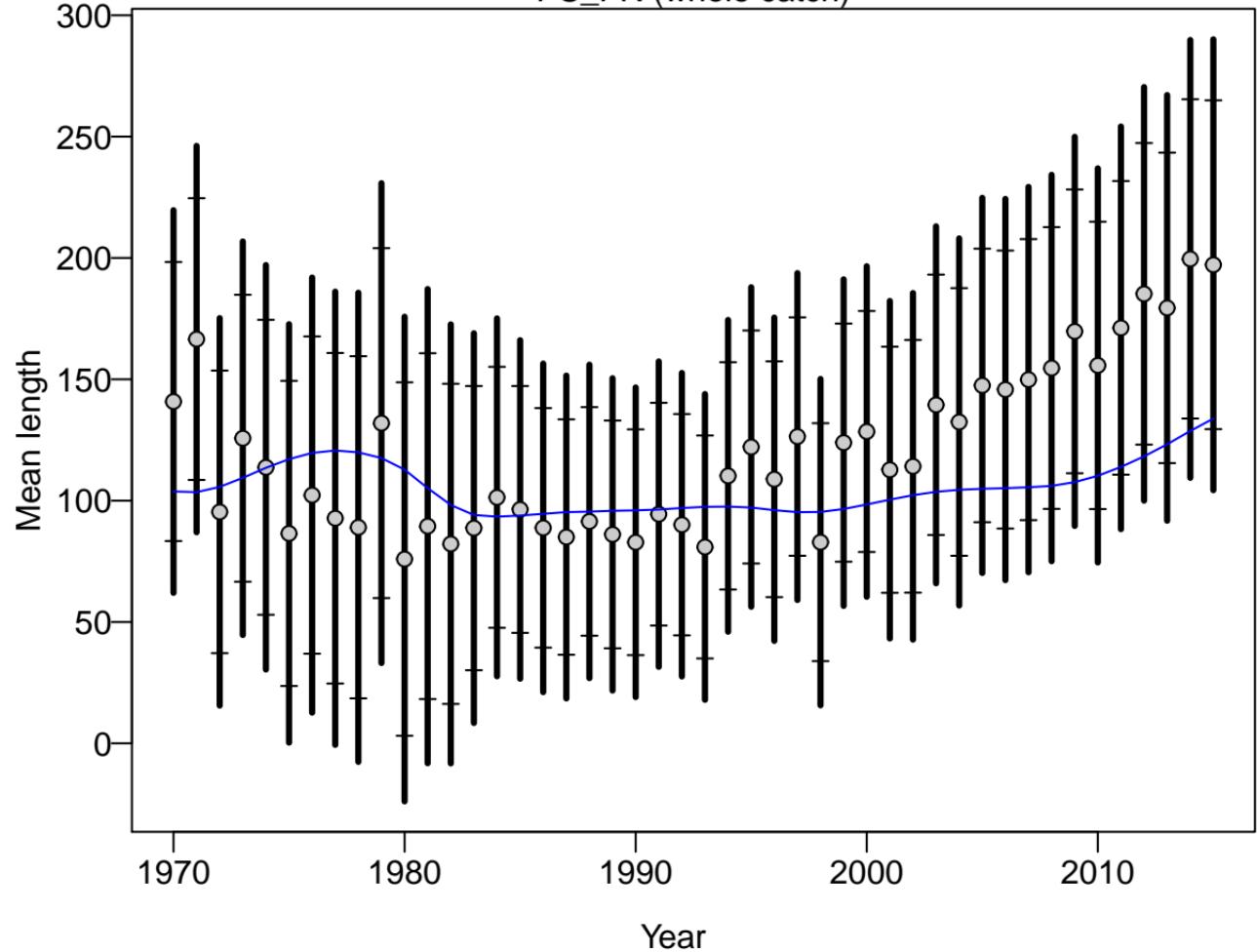
Pearson residuals, whole catch, PS_FR (max=18.21)



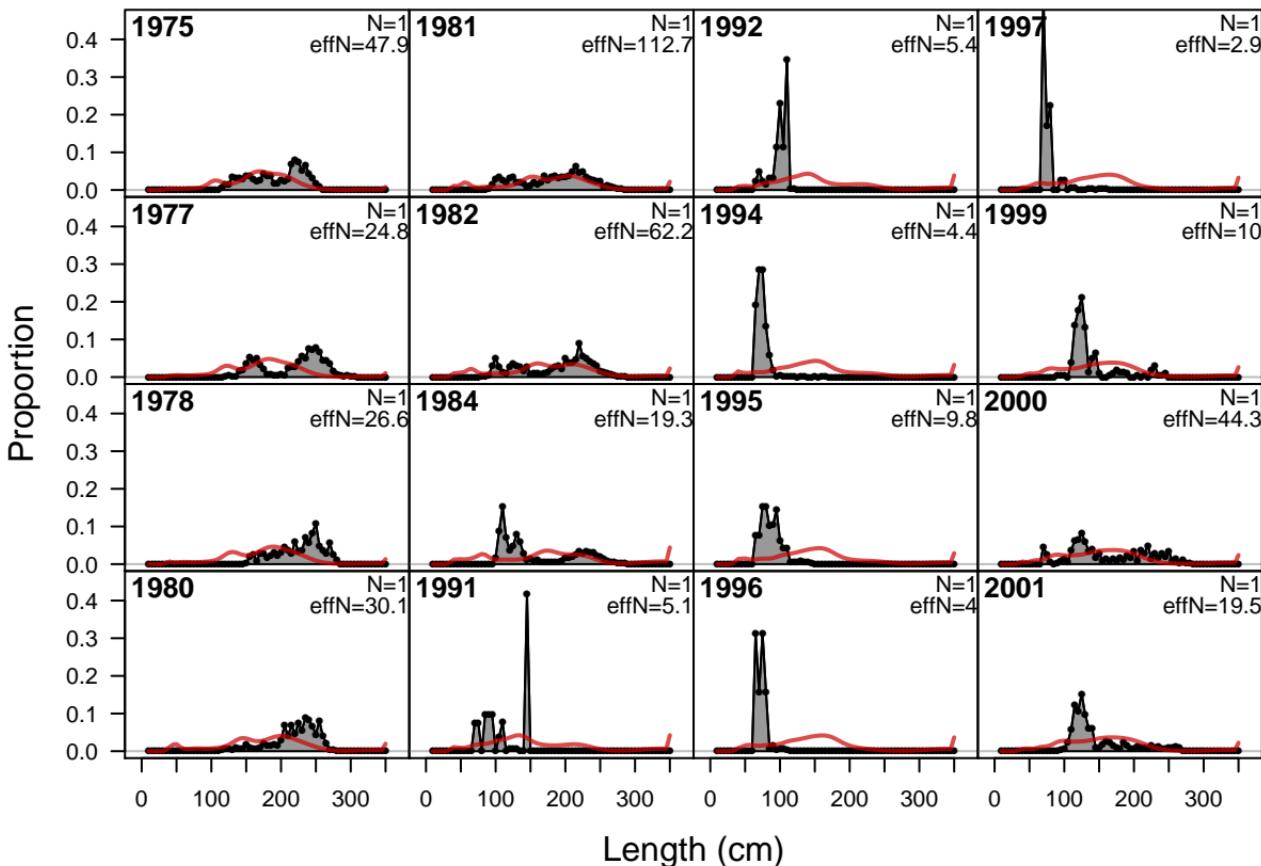
N-EffN comparison, Length comps, whole catch, PS_FR



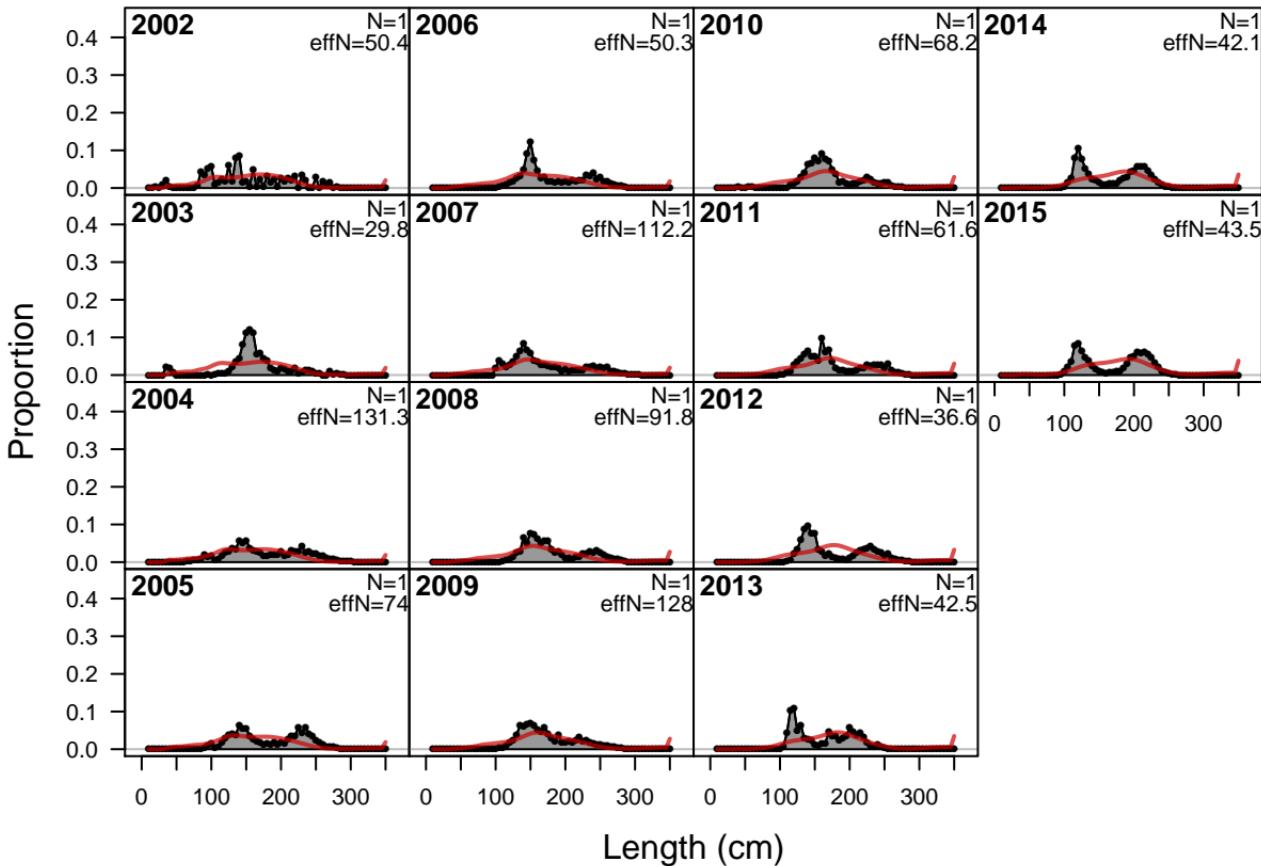
PS_FR (whole catch)



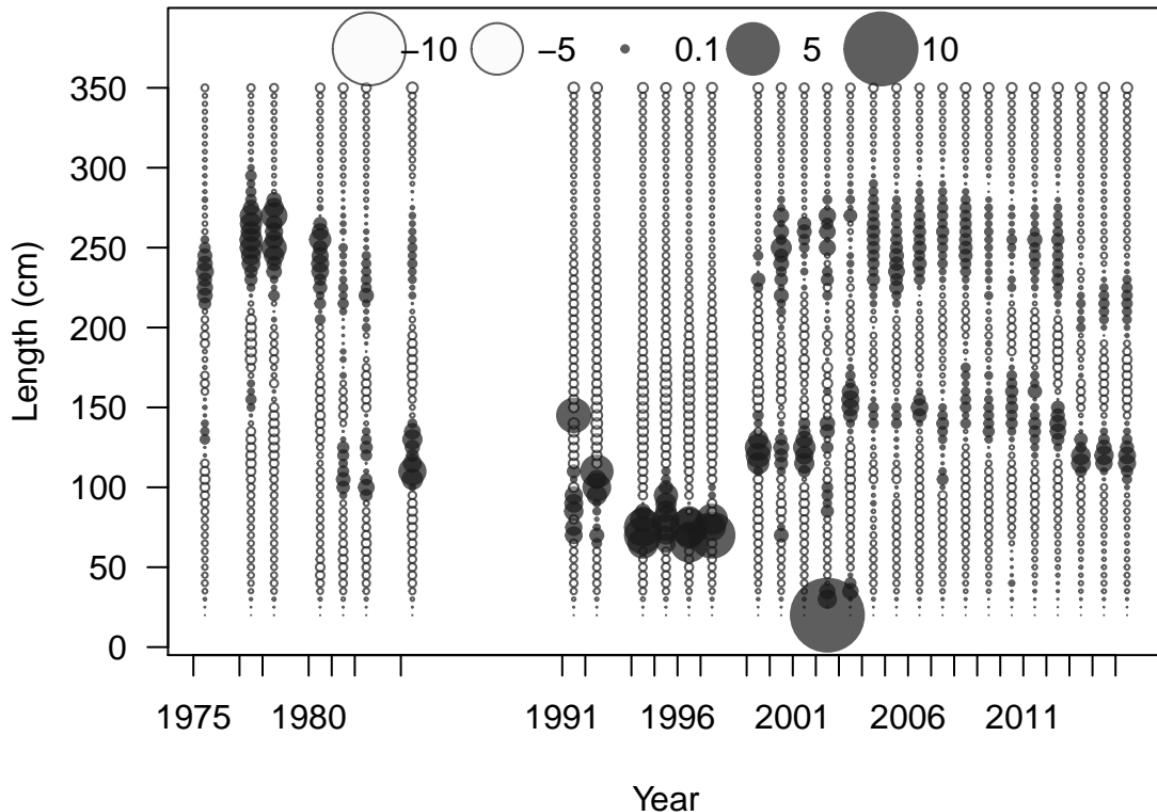
Length comps, whole catch, PSOTHER



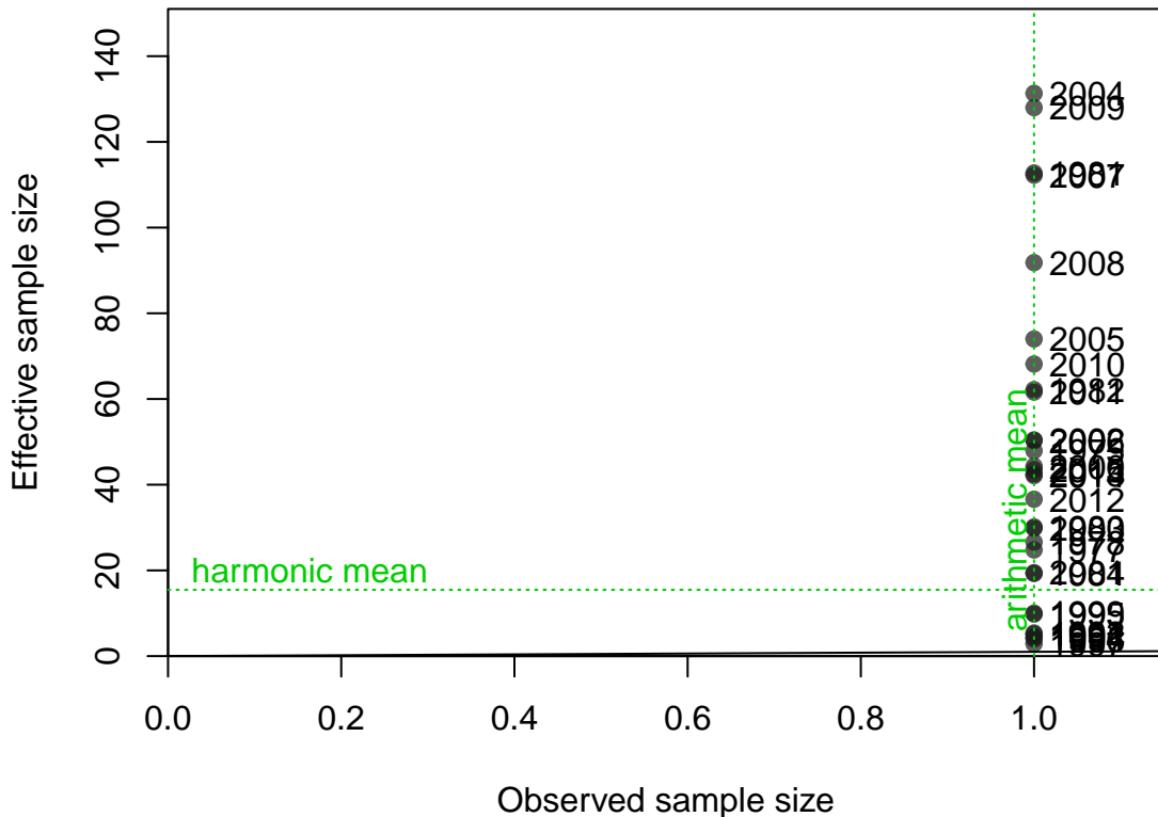
Length comps, whole catch, PSOTHER



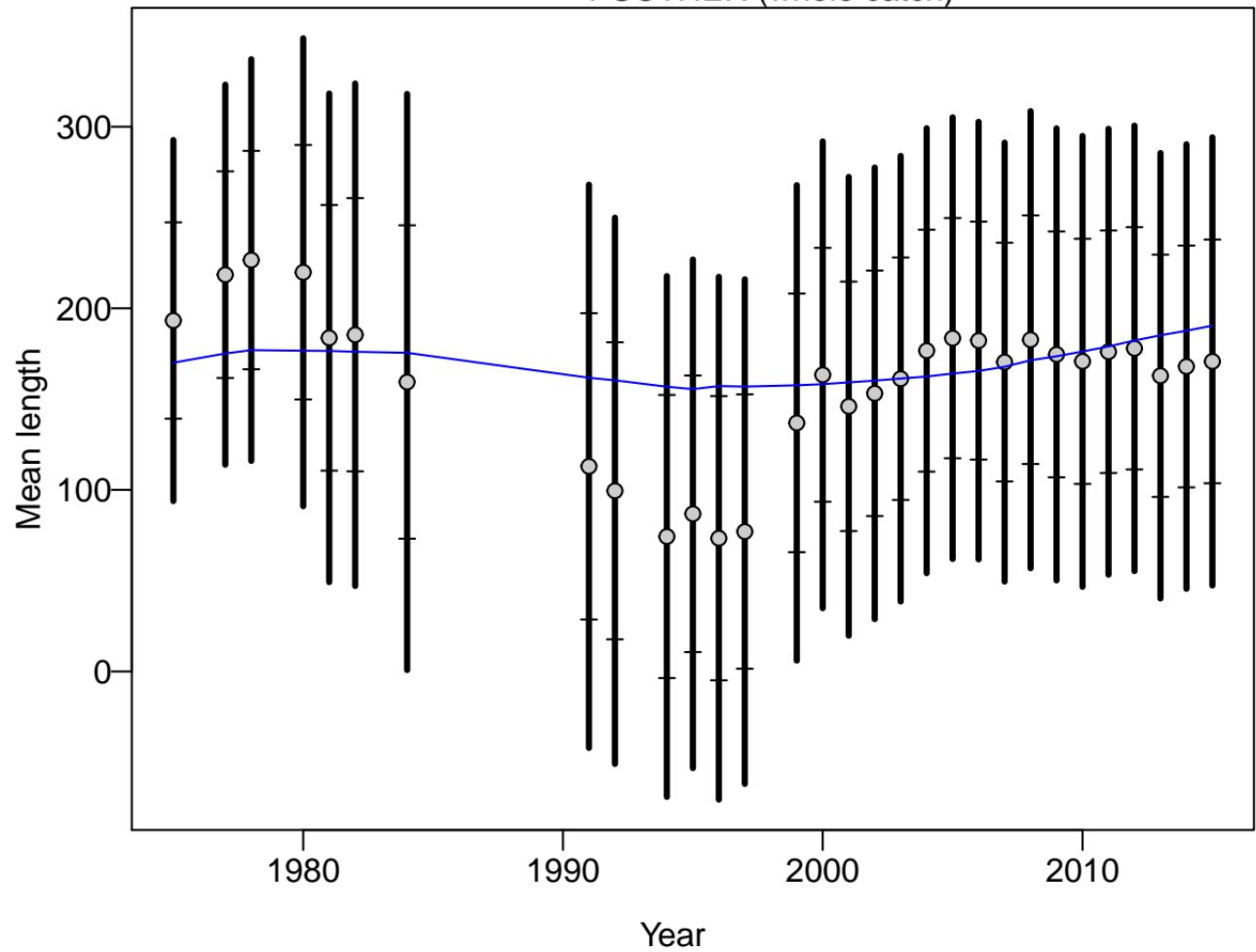
Pearson residuals, whole catch, PSOTHER (max=9.98)



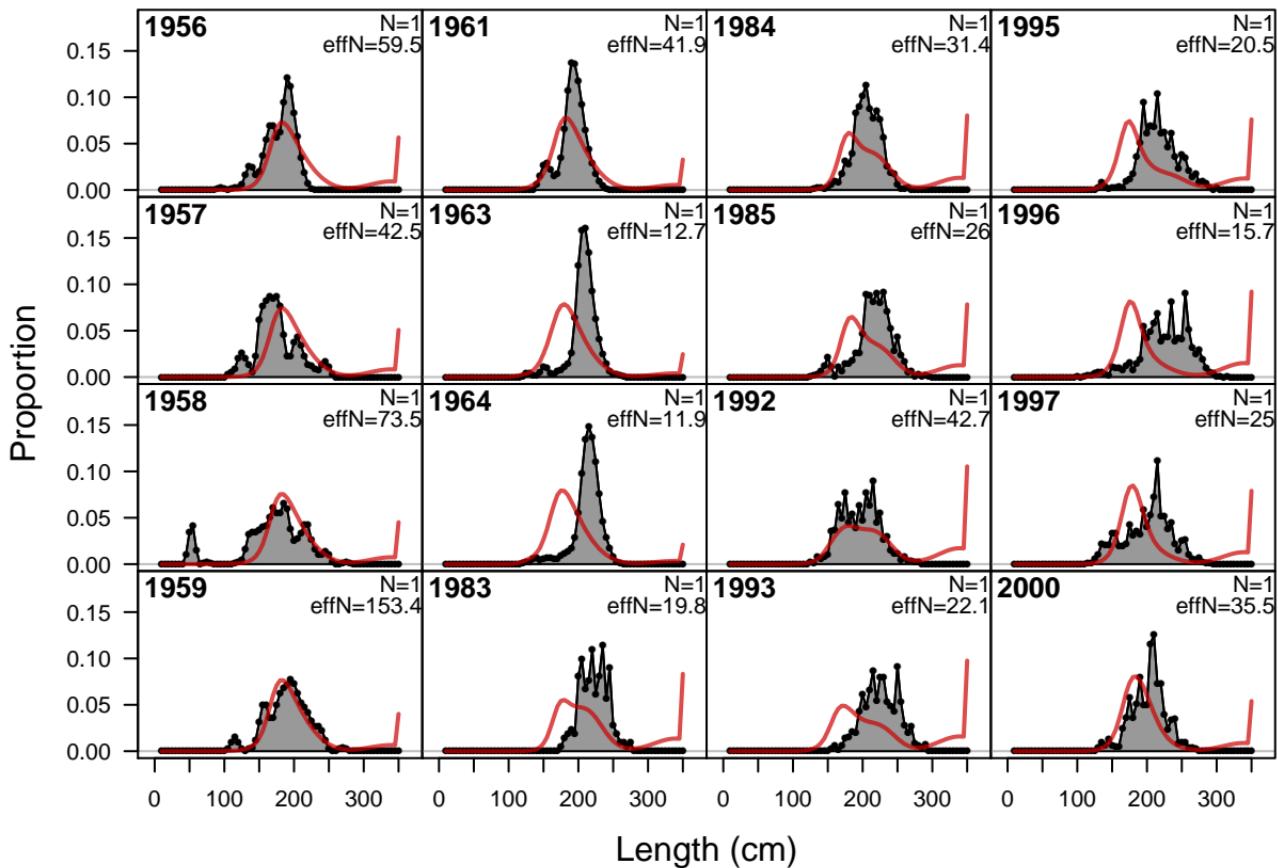
N-EffN comparison, Length comps, whole catch, PSOTHER



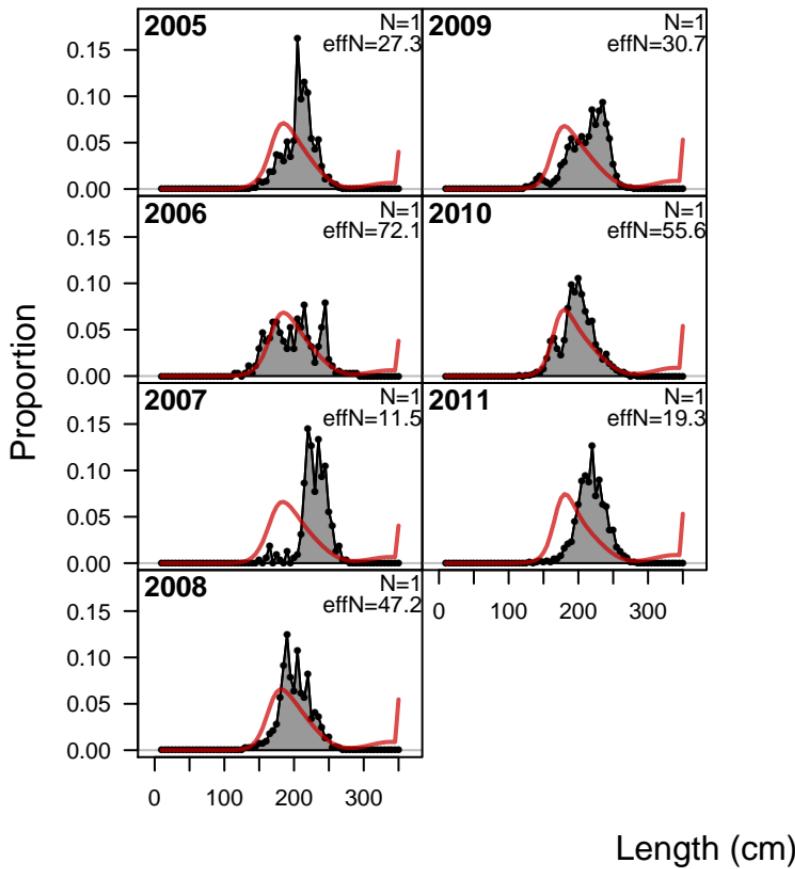
PSOTHER (whole catch)



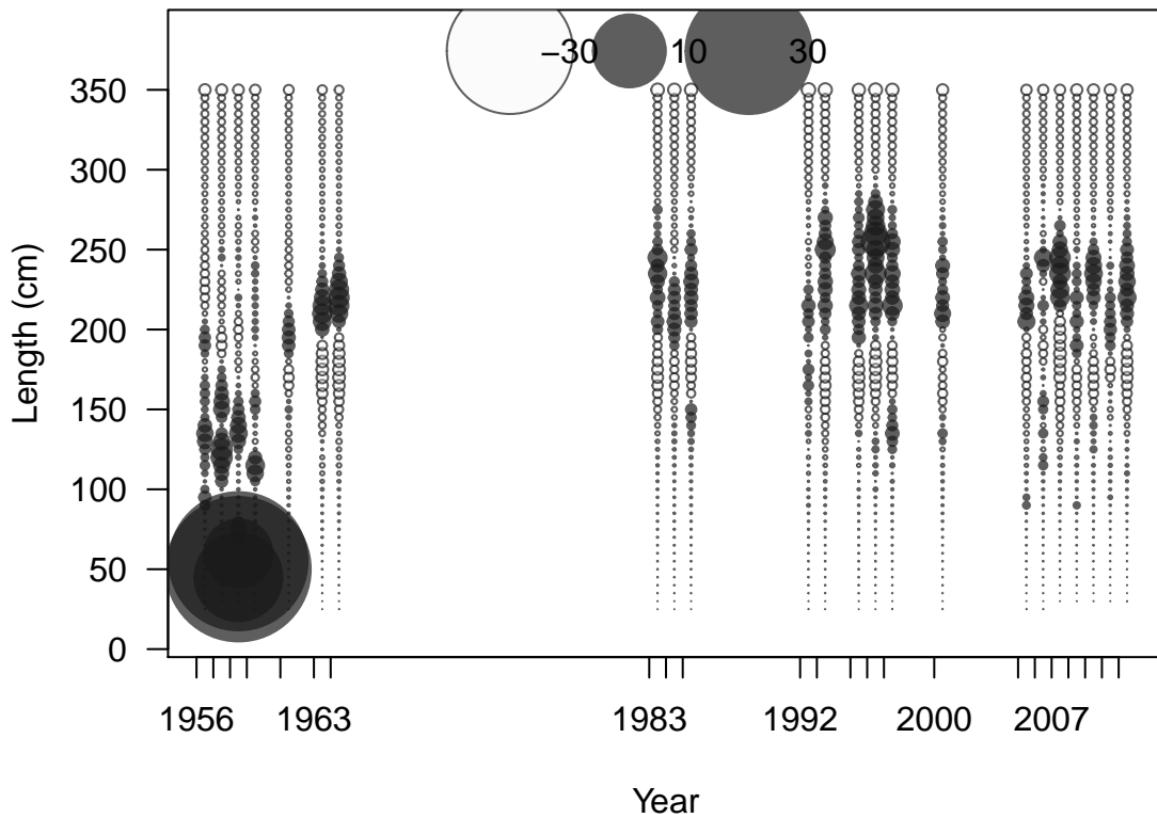
Length comps, whole catch, TRP1



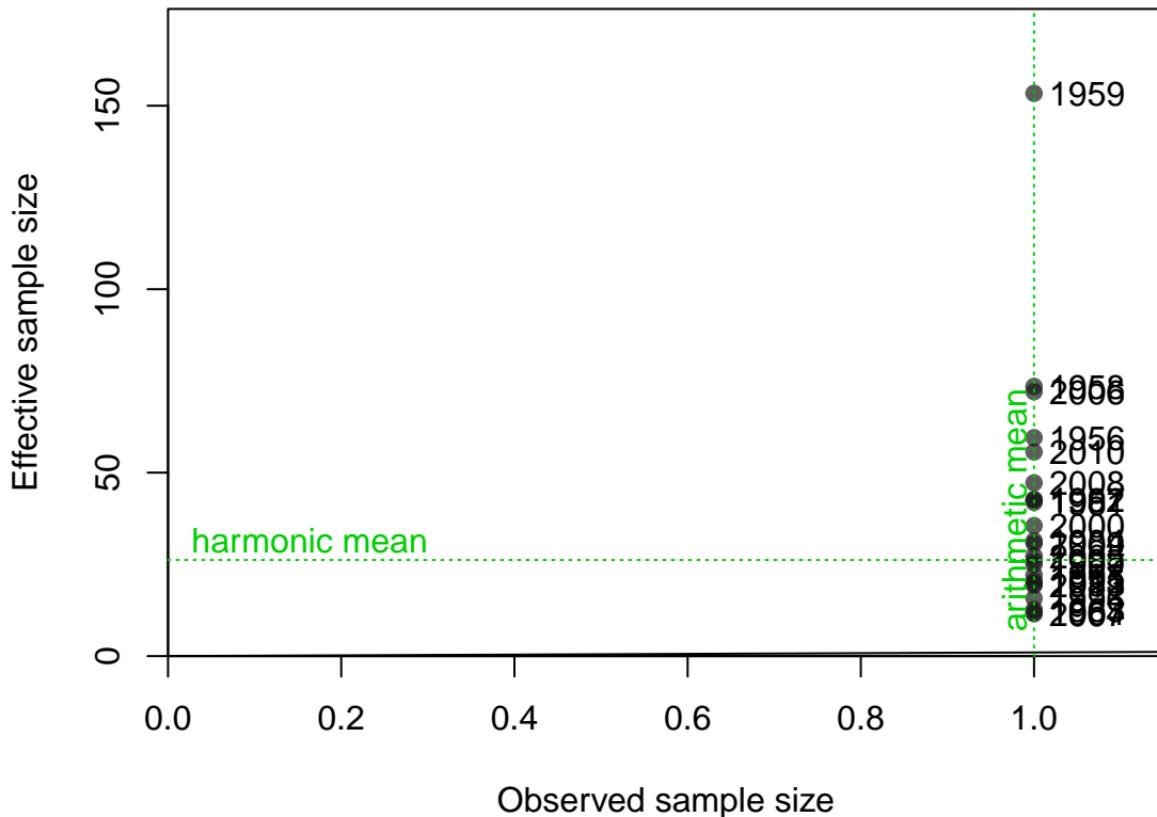
Length comps, whole catch, TRP1



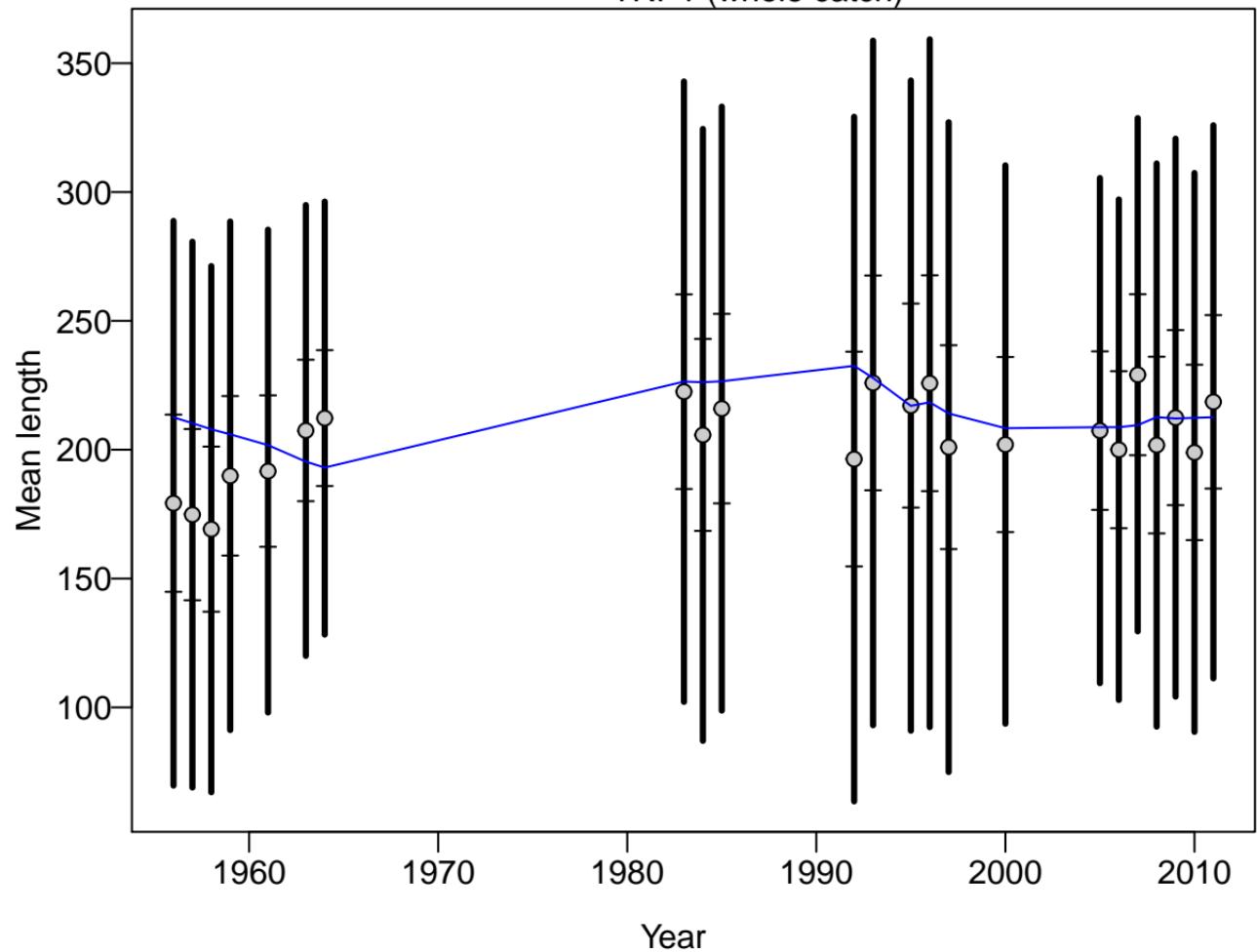
Pearson residuals, whole catch, TRP1 (max=39.24)



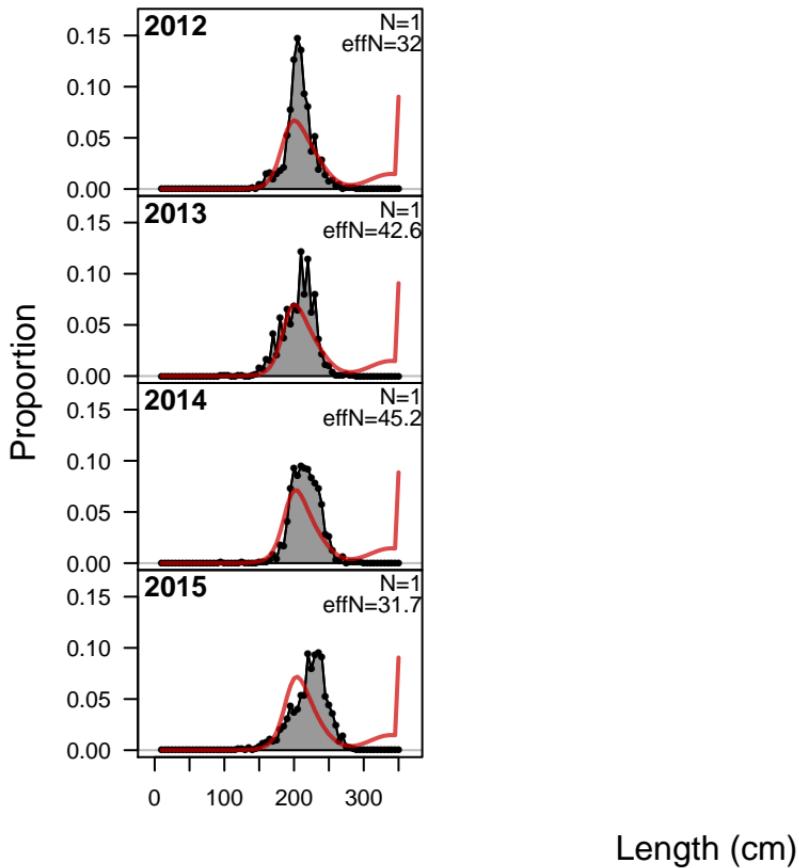
N-EffN comparison, Length comps, whole catch, TRP1



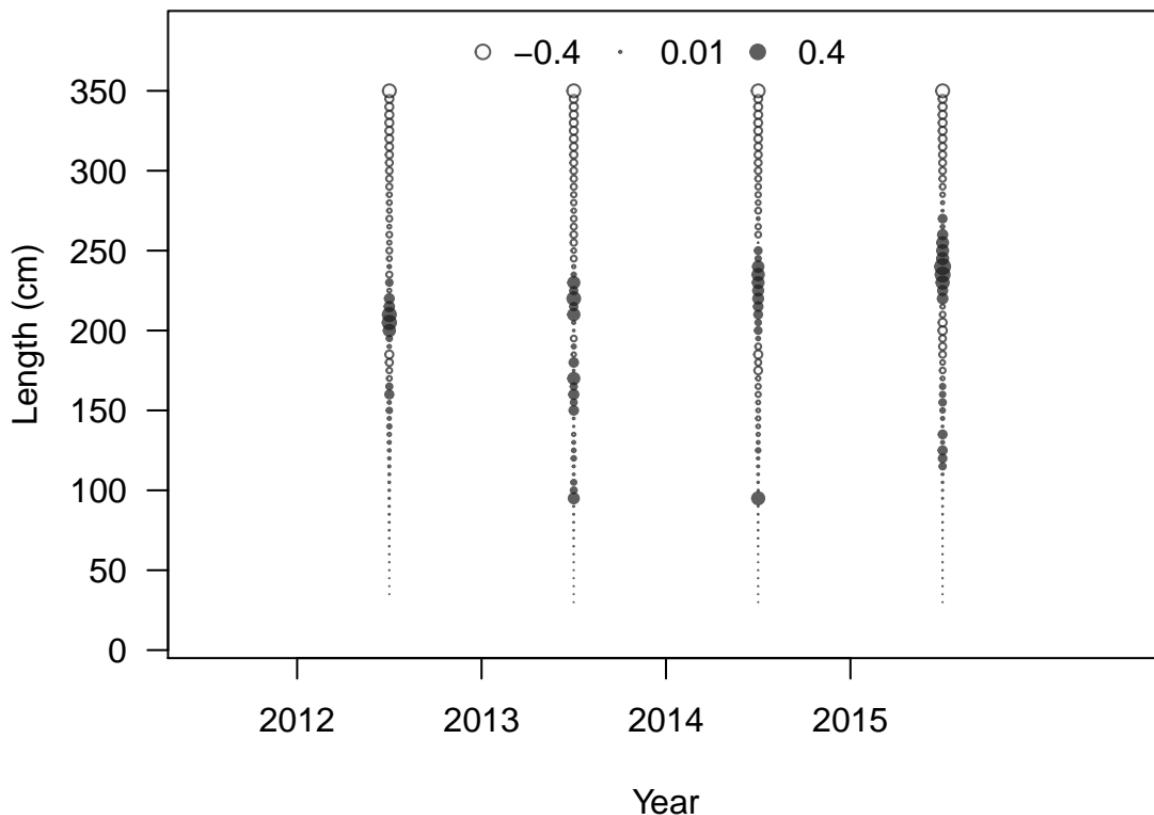
TRP1 (whole catch)



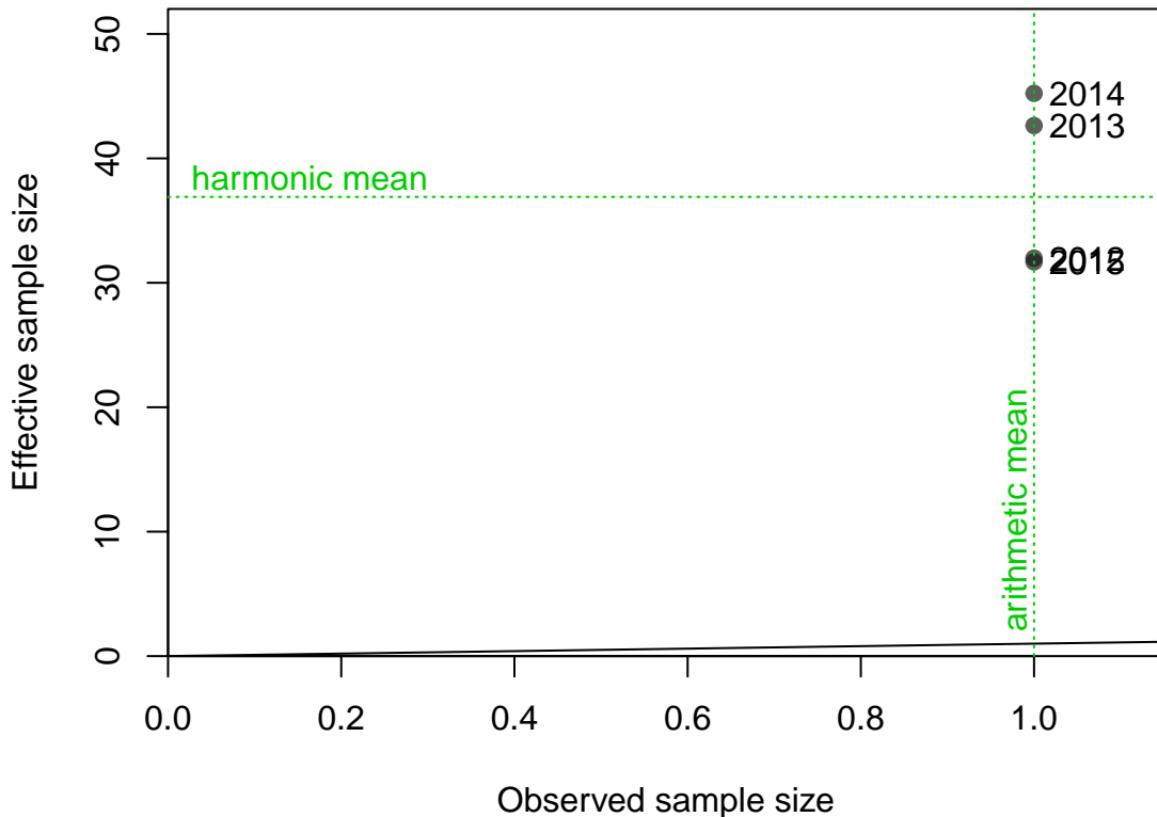
Length comps, whole catch, TRP2



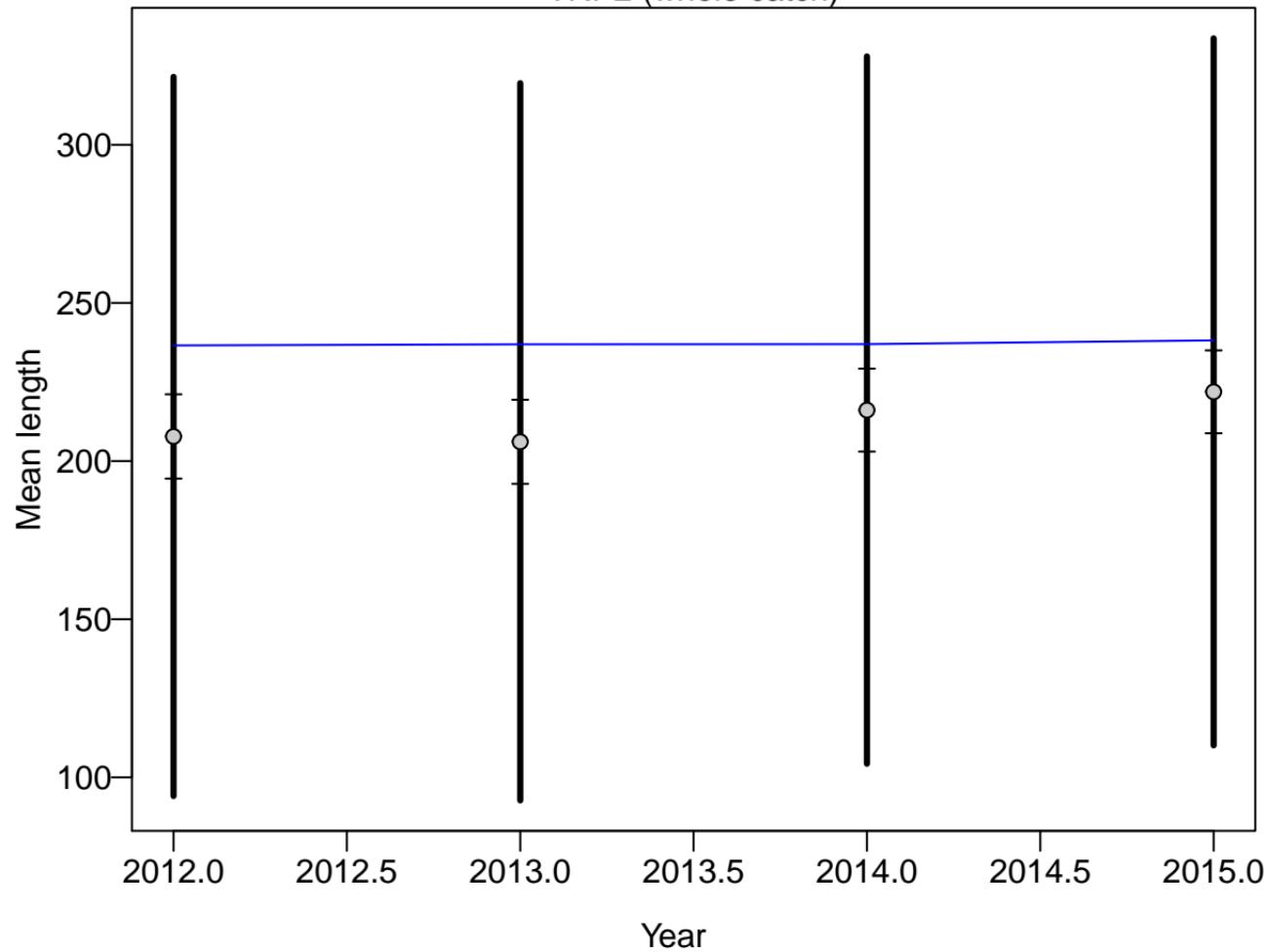
Pearson residuals, whole catch, TRP2 (max=0.42)



N-EffN comparison, Length comps, whole catch, TRP2

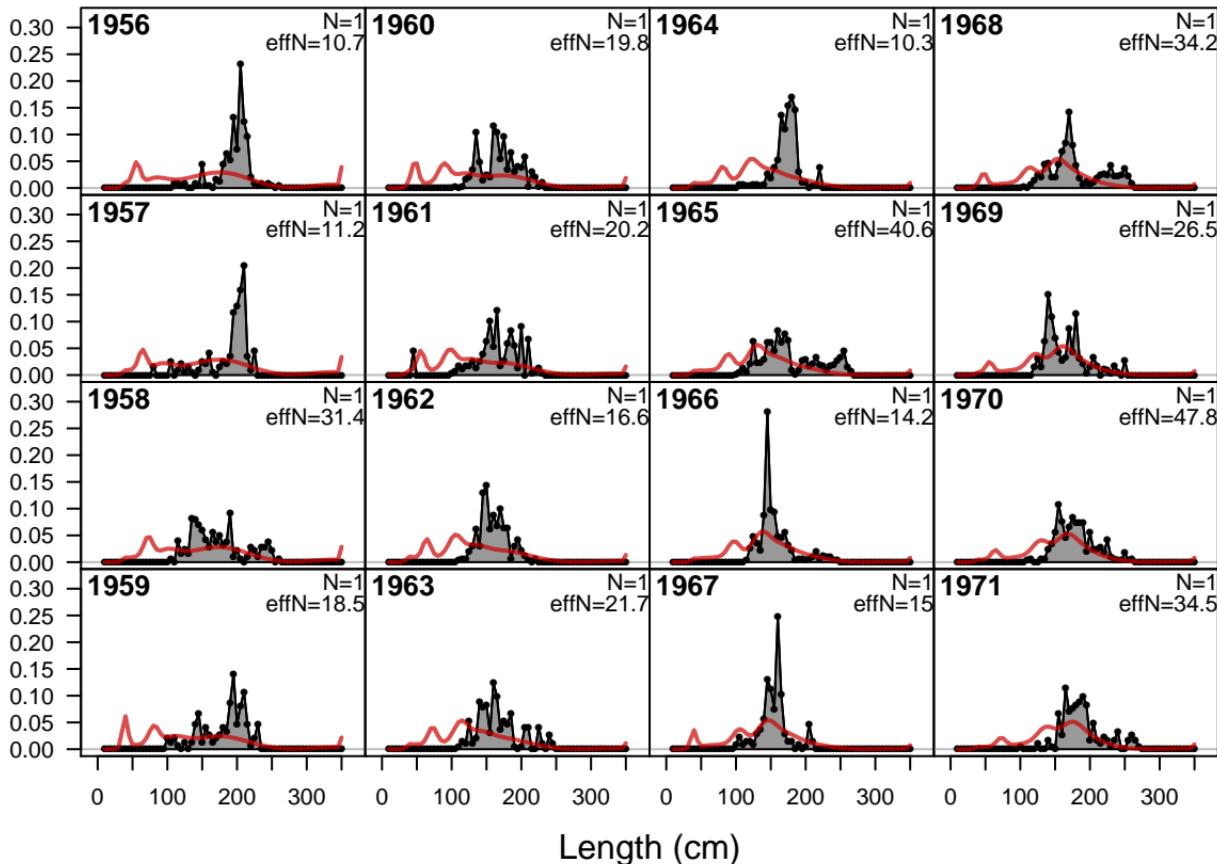


TRP2 (whole catch)



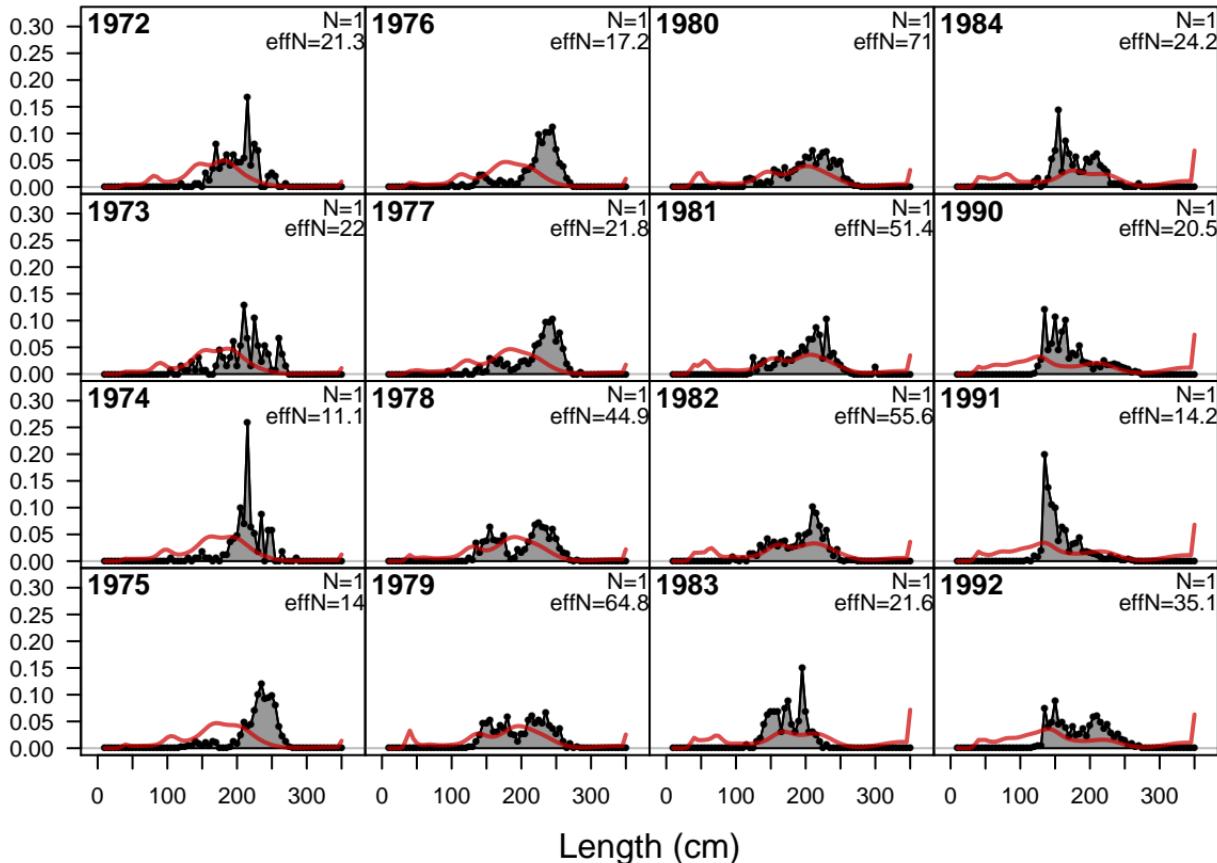
Length comps, whole catch, TRPOTHER

Proportion

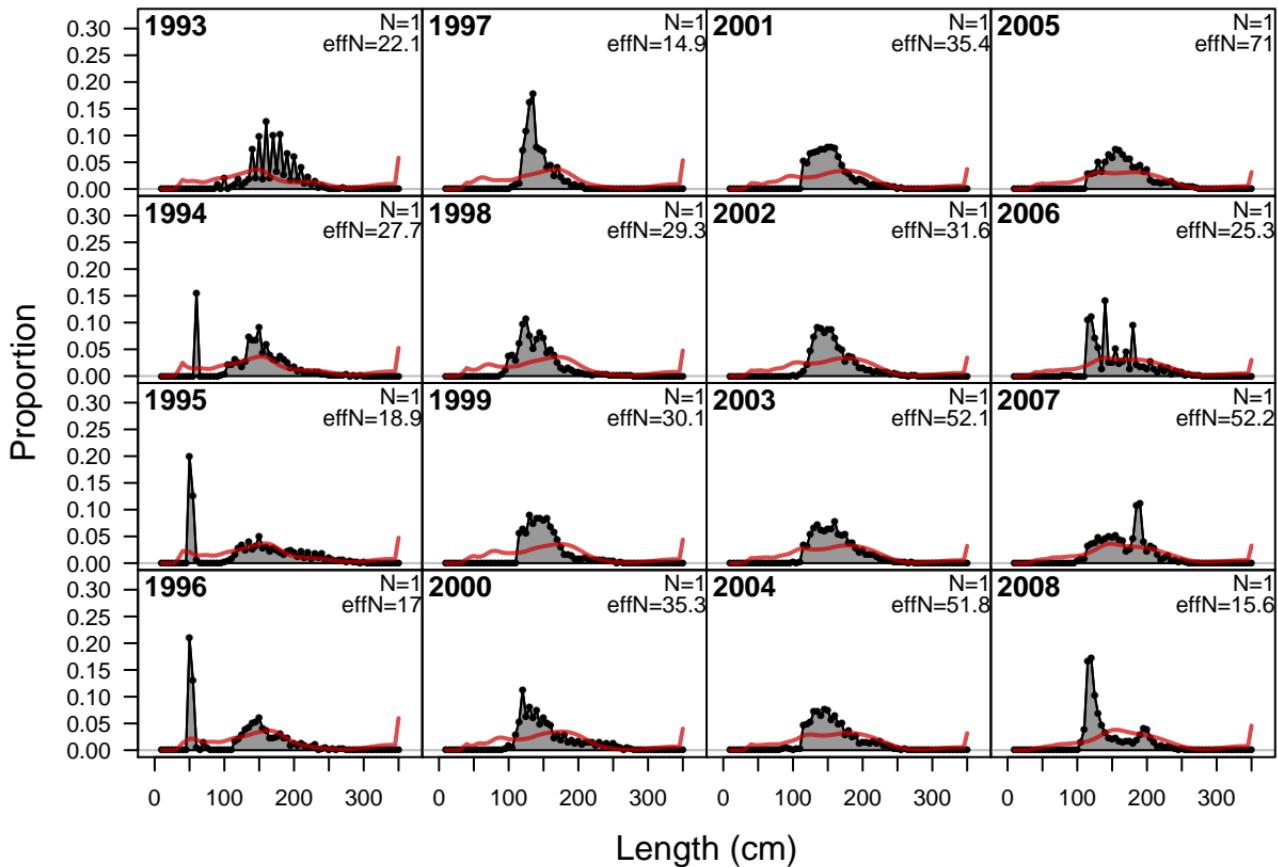


Length comps, whole catch, TRPOTHER

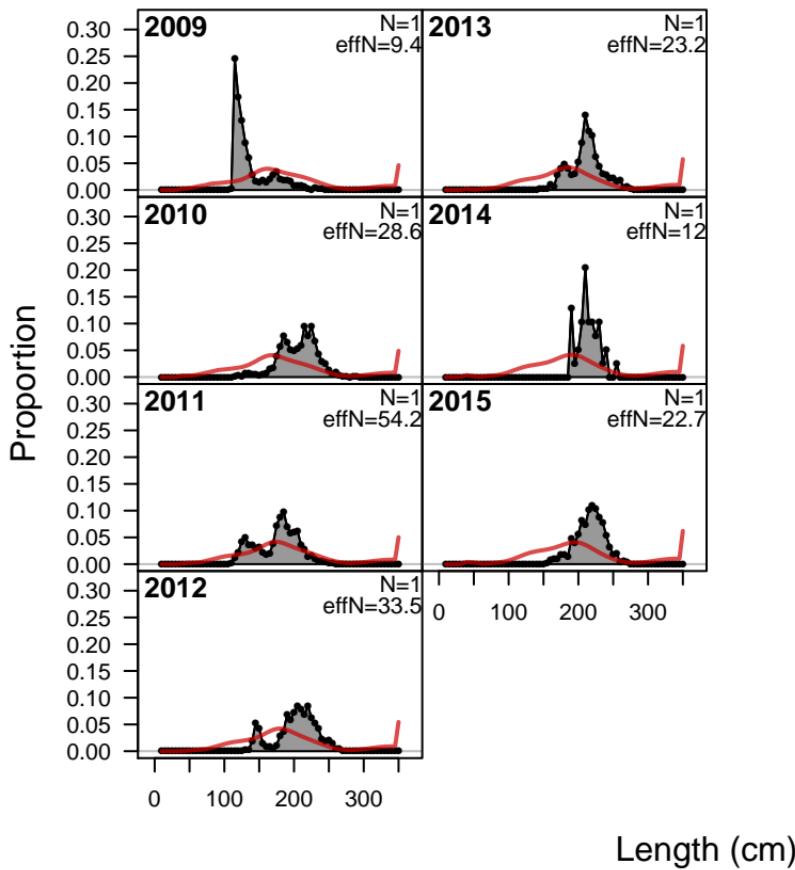
Proportion



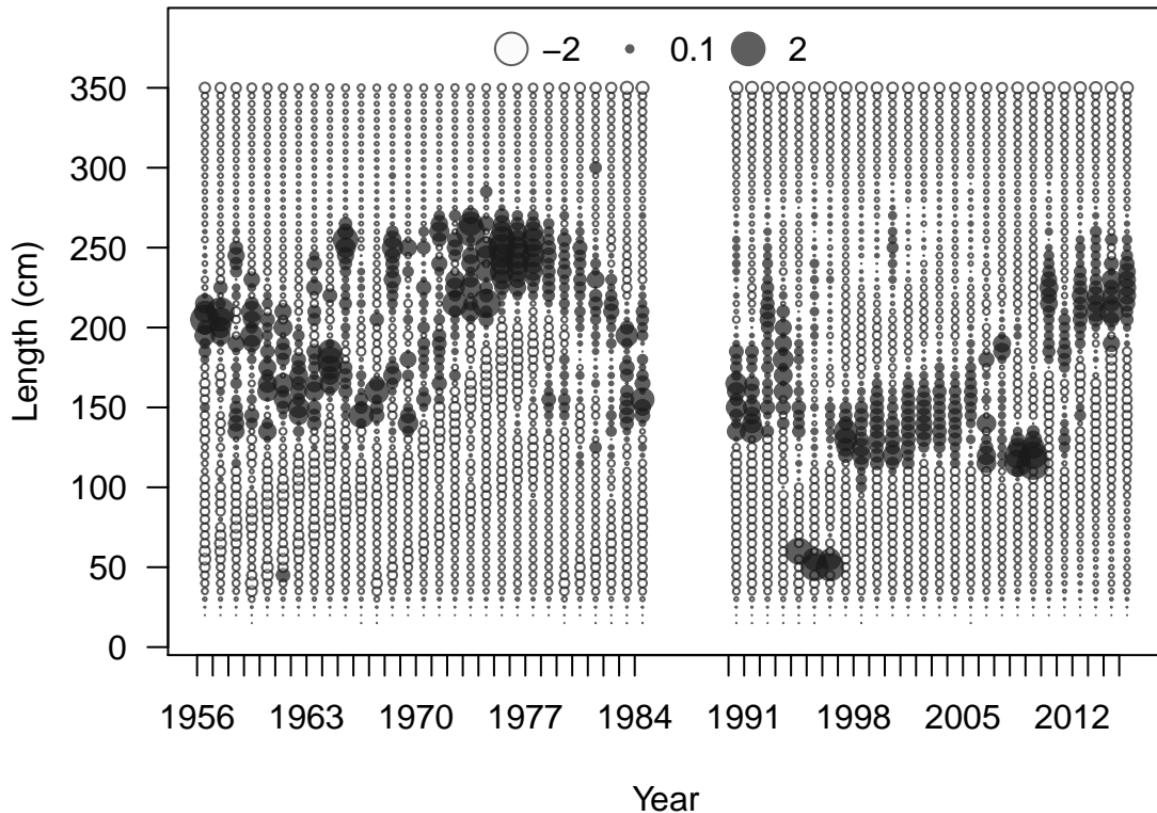
Length comps, whole catch, TRPOTHER



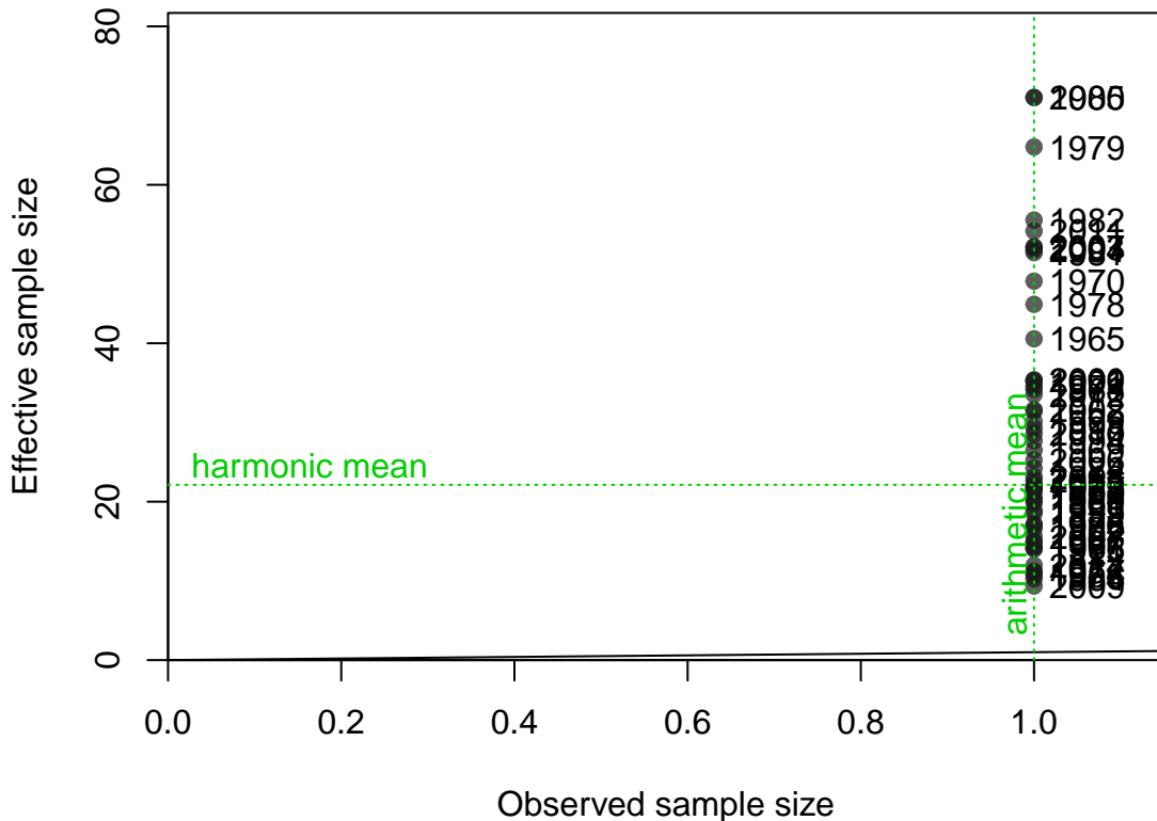
Length comps, whole catch, TRPOTHER



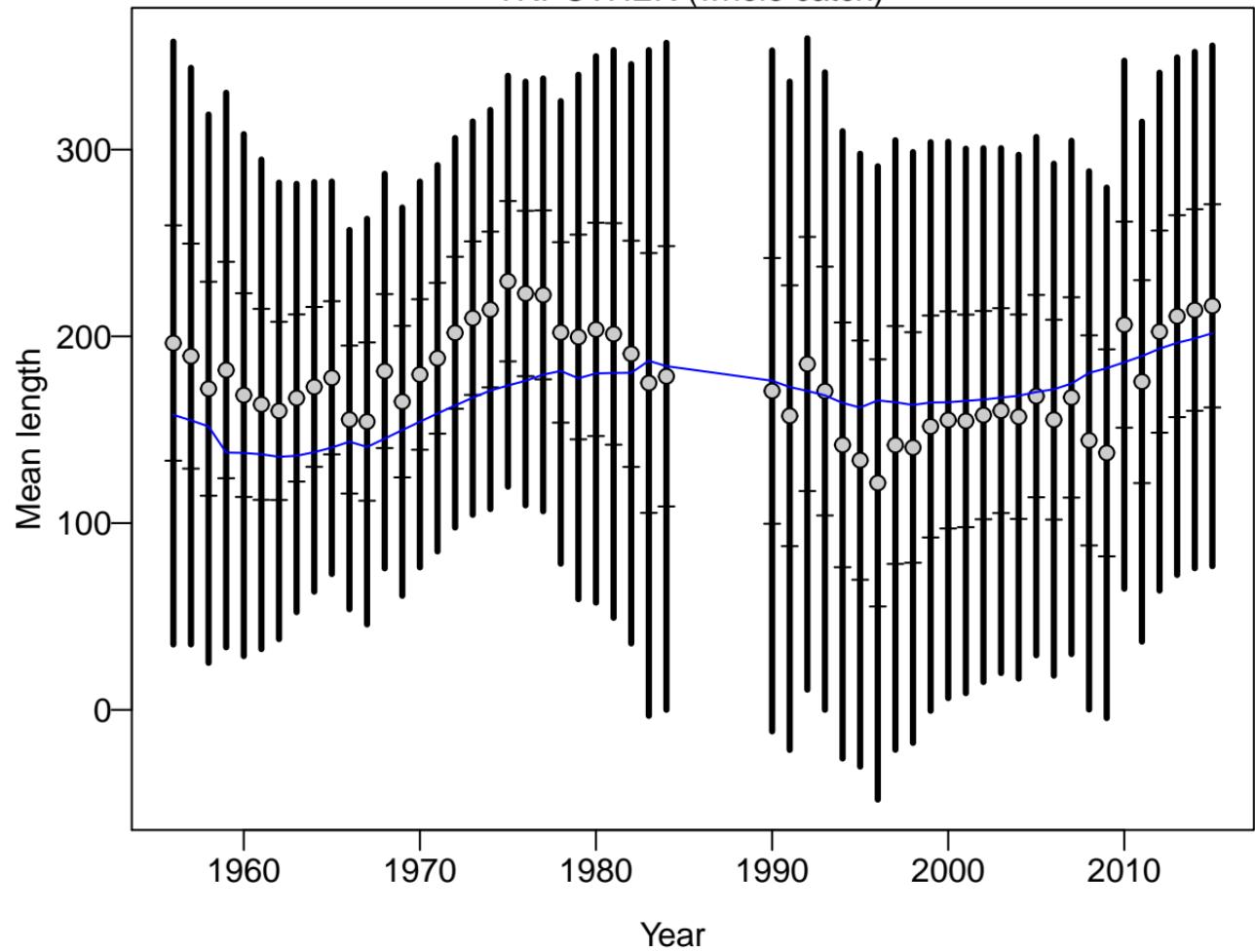
Pearson residuals, whole catch, TRPOTHER (max=1.81)



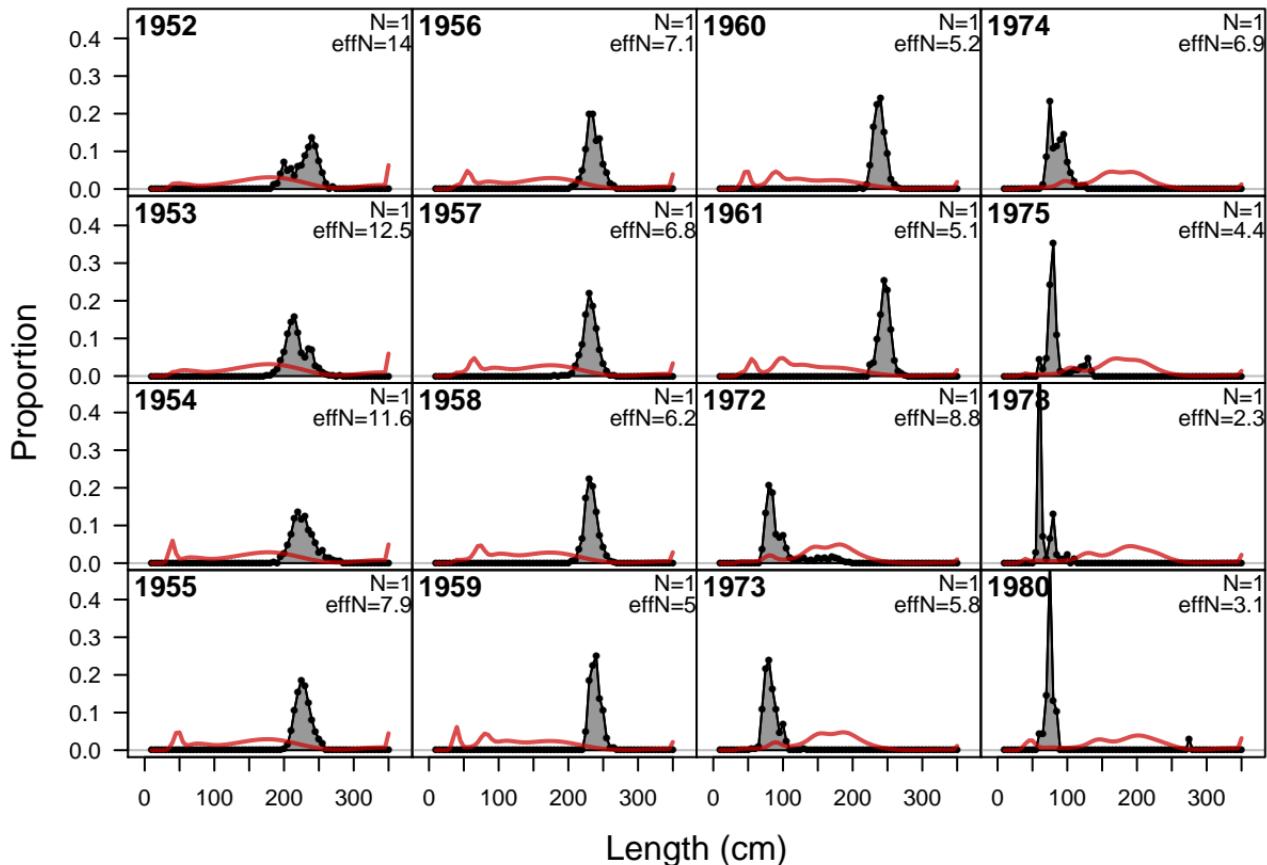
N-EffN comparison, Length comps, whole catch, TRPOTHER



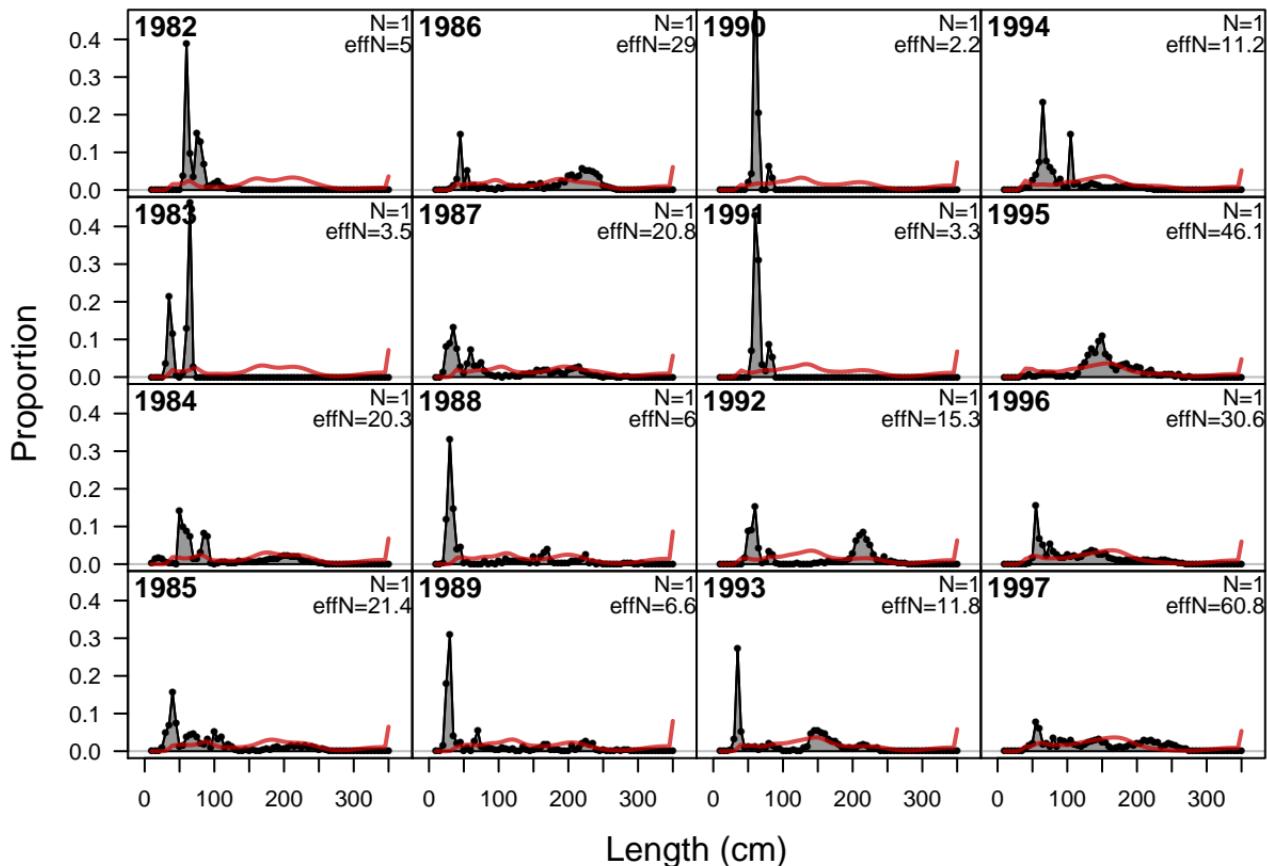
TRPOTHER (whole catch)



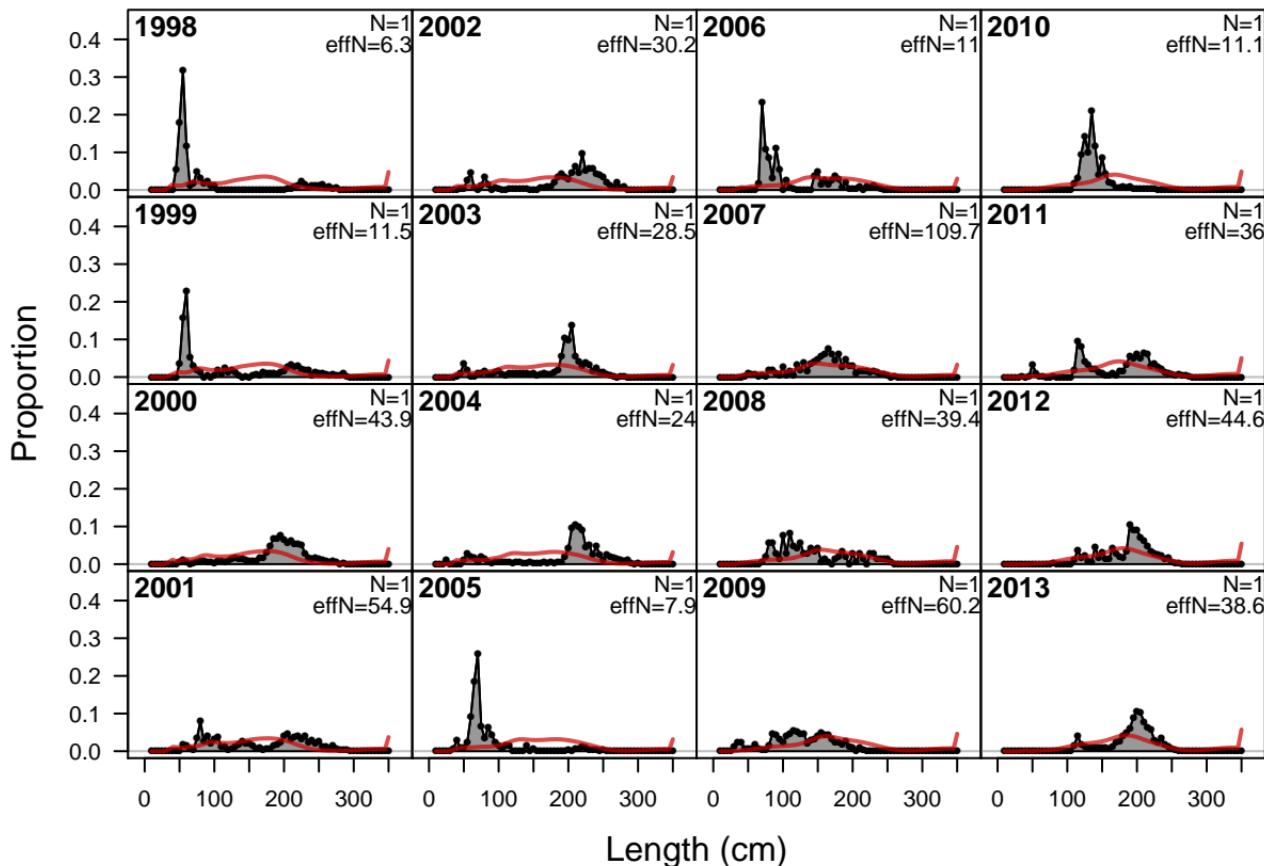
Length comps, whole catch, OTR



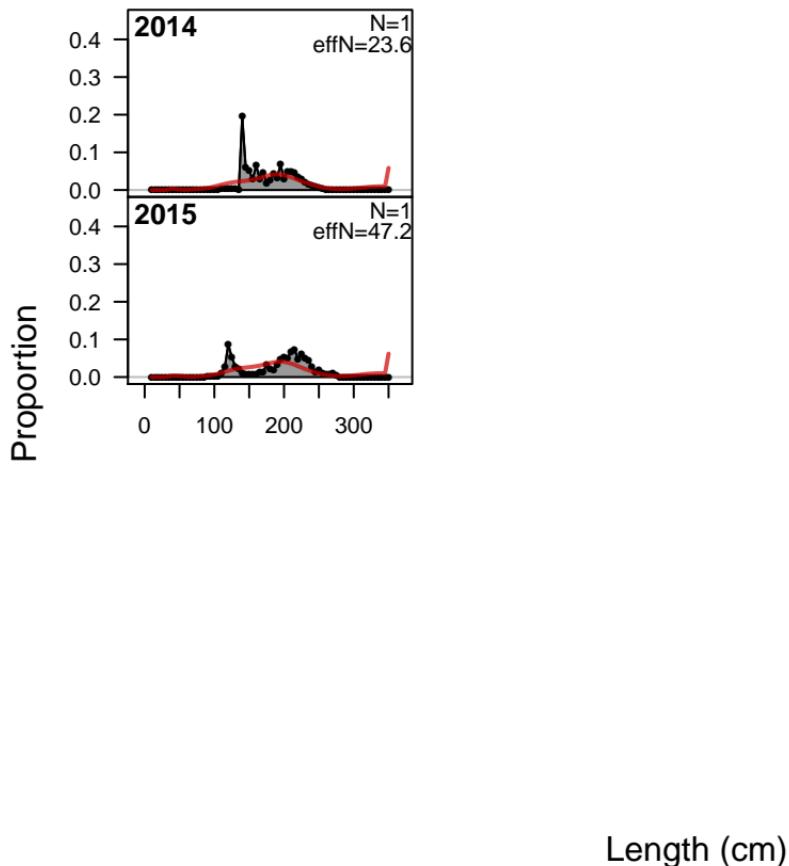
Length comps, whole catch, OTR



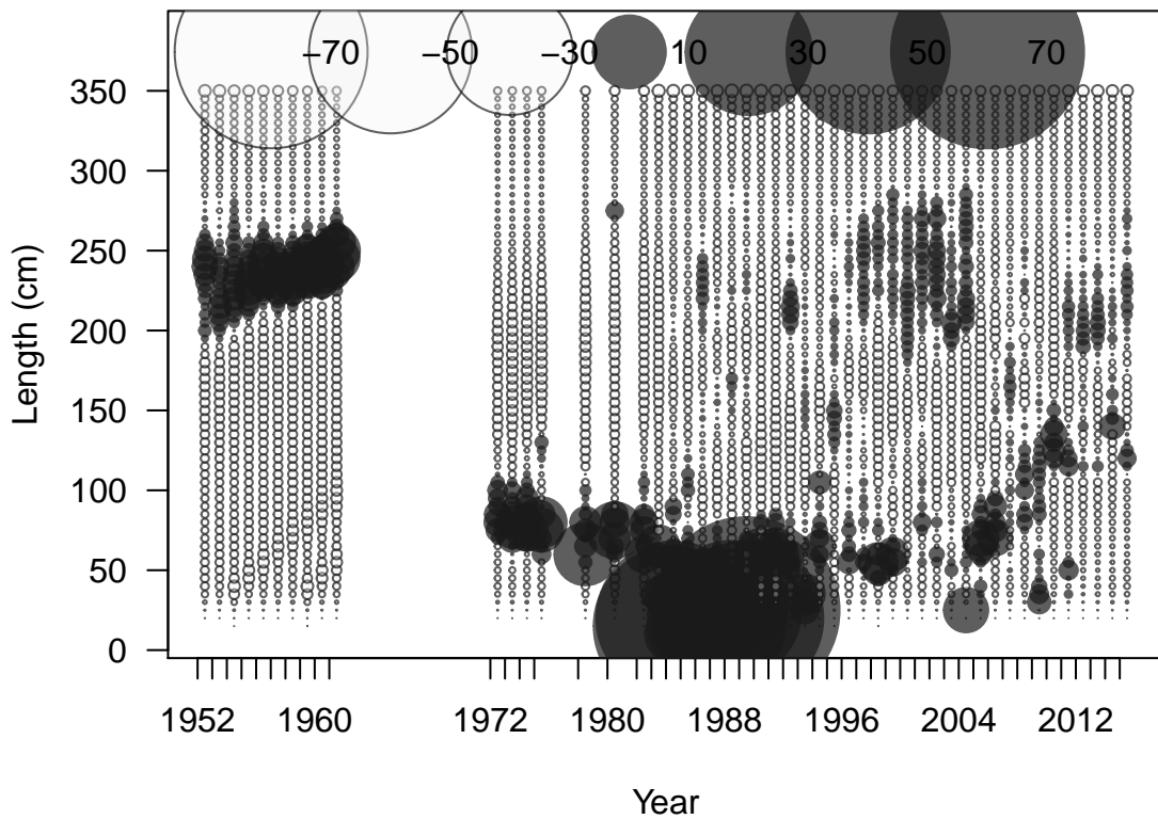
Length comps, whole catch, OTR



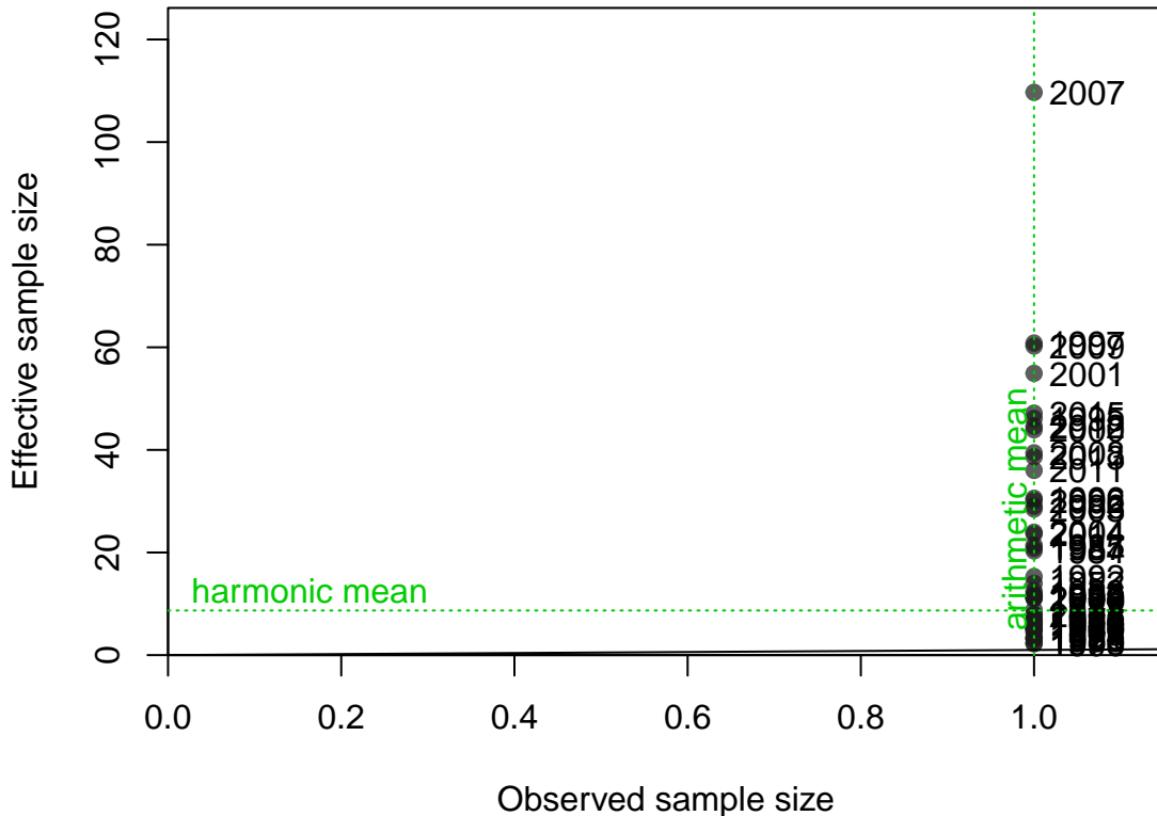
Length comps, whole catch, OTR



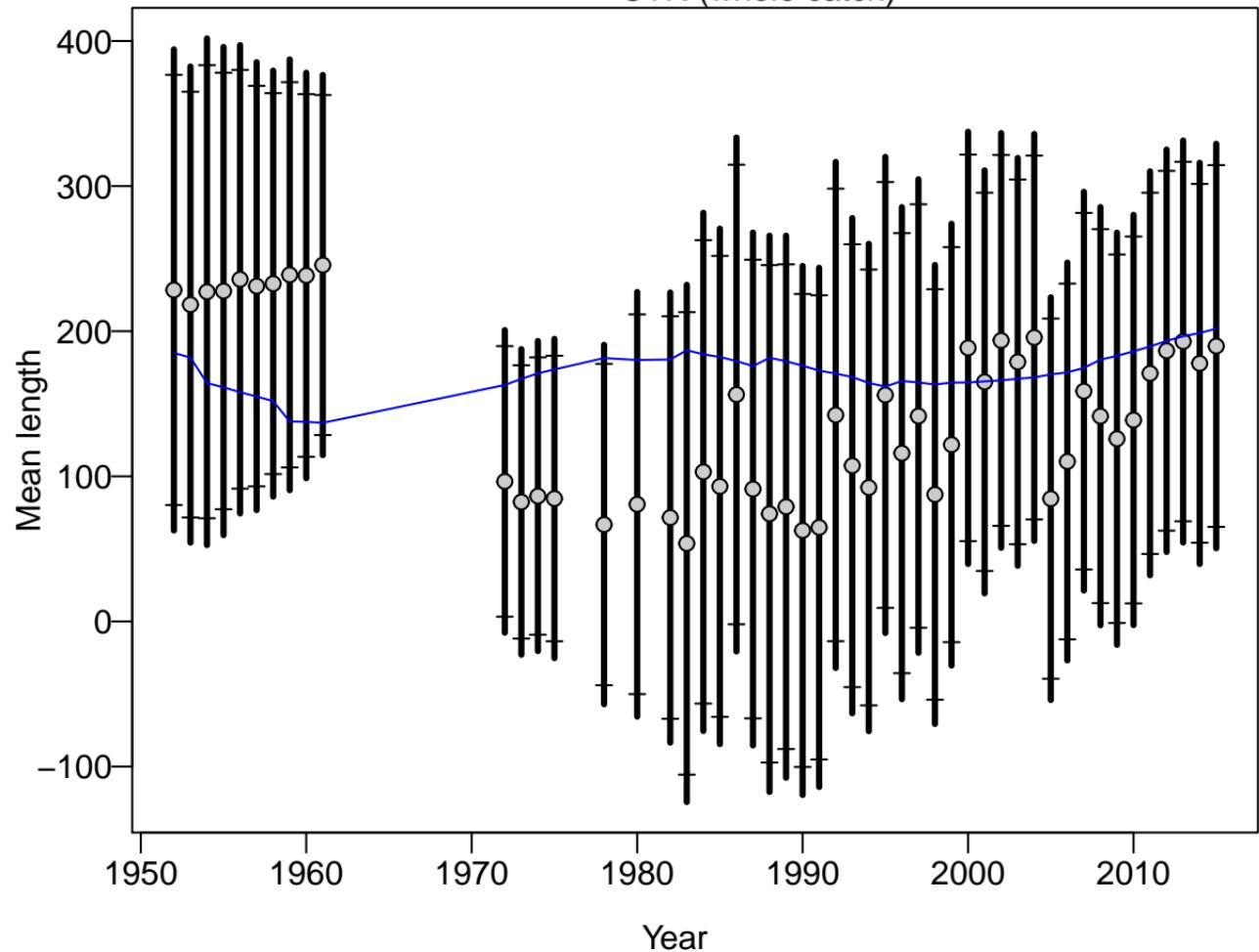
Pearson residuals, whole catch, OTR (max=65.03)



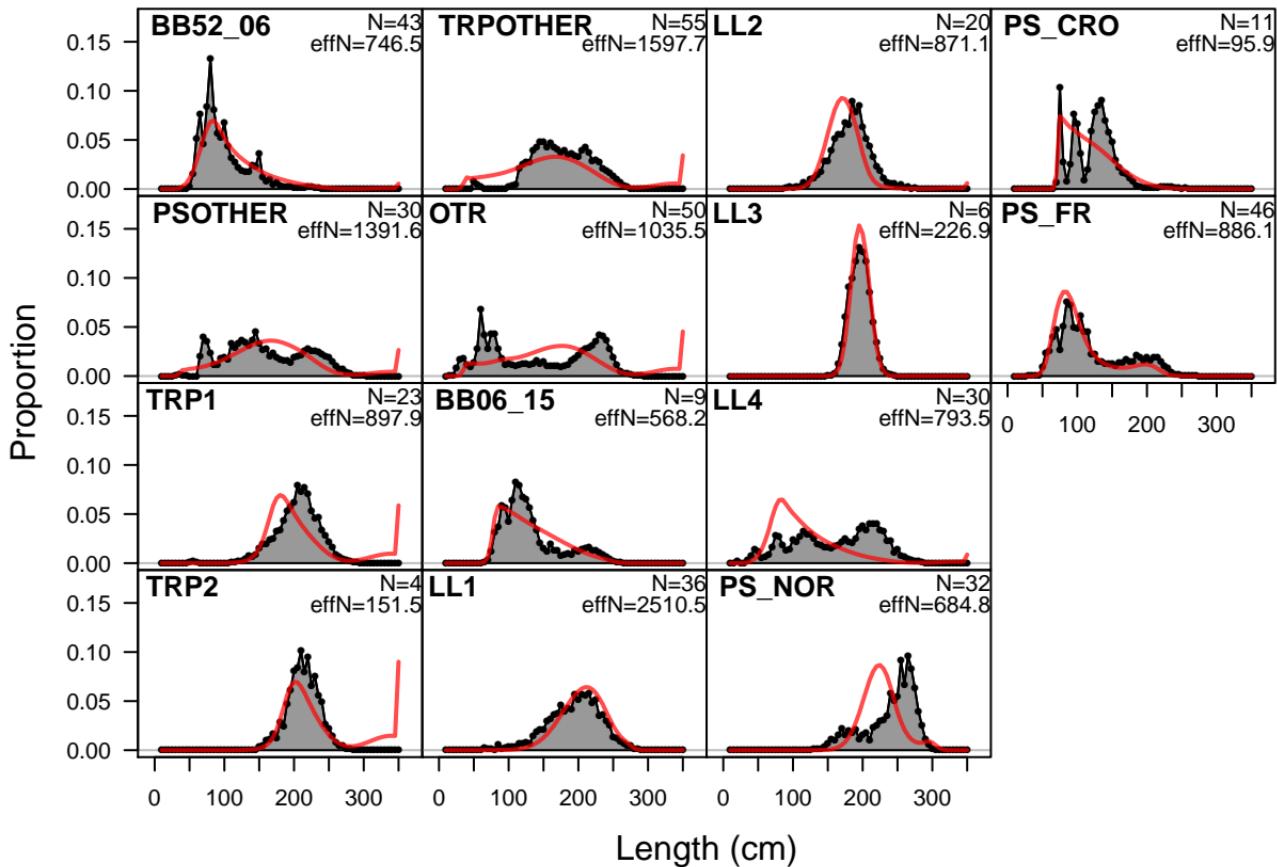
N-EffN comparison, Length comps, whole catch, OTR



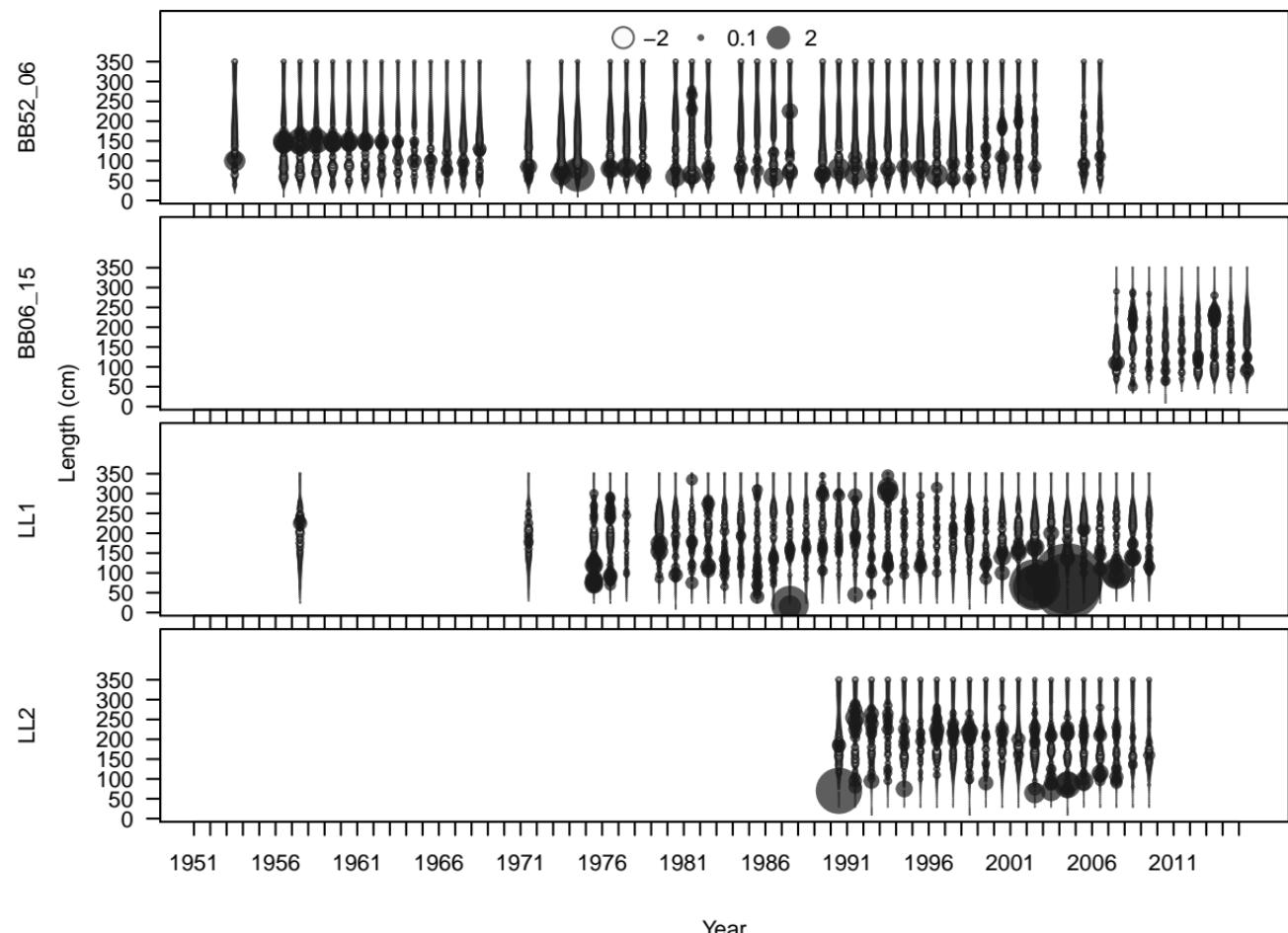
OTR (whole catch)



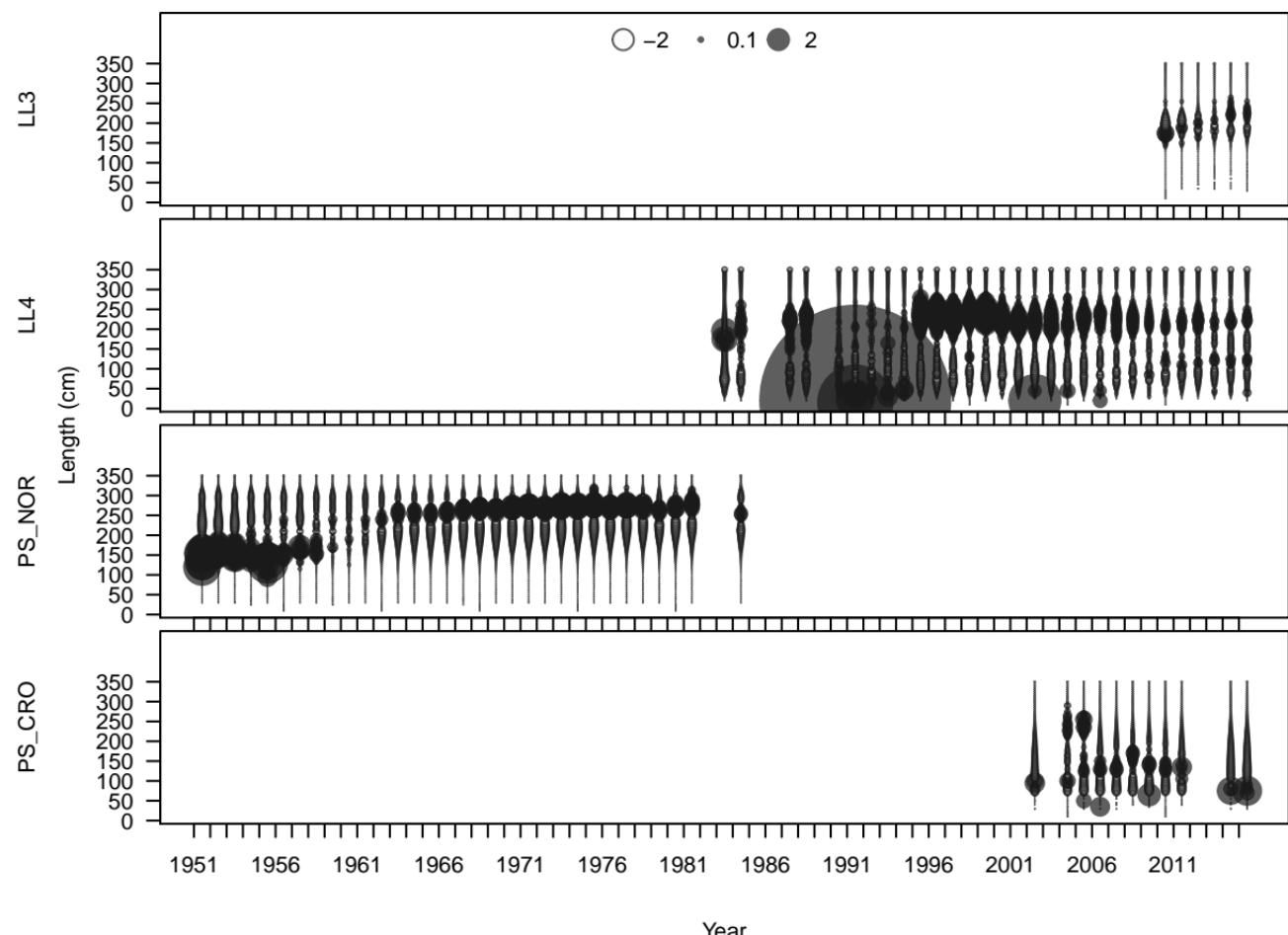
Length comps, aggregated across time by fleet



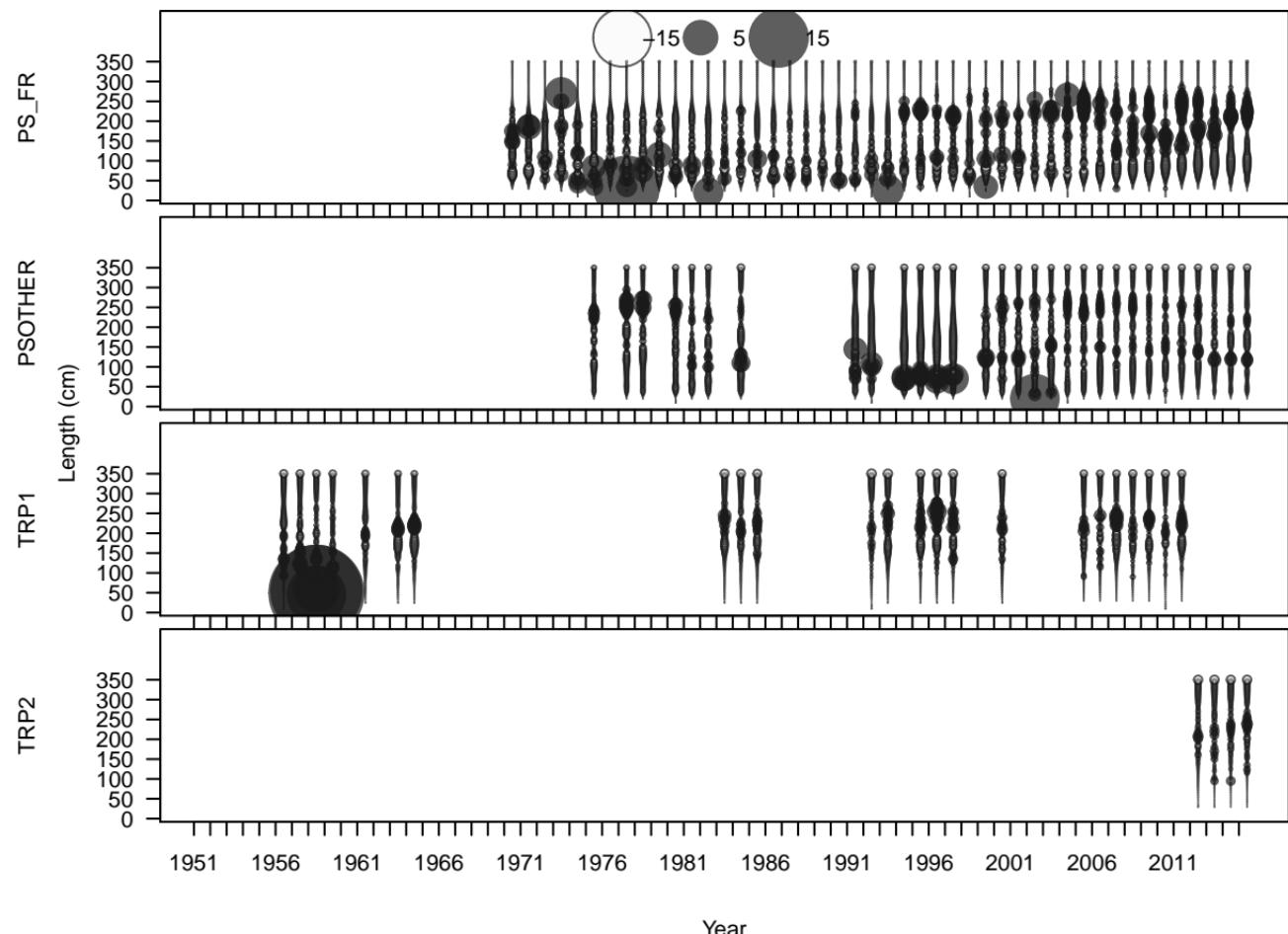
Pearson residuals, female, whole catch, comparing across fleets



Pearson residuals, female, whole catch, comparing across fleets

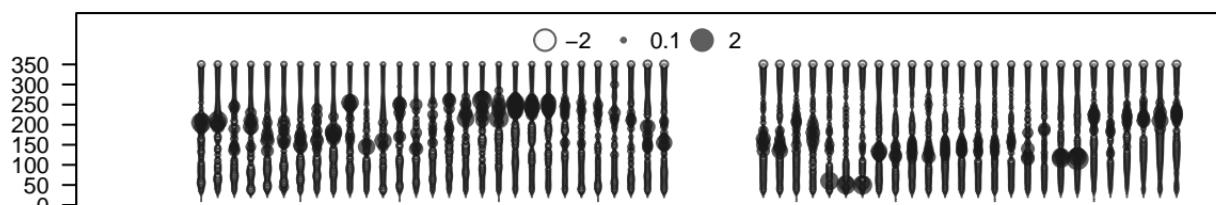


Pearson residuals, female, whole catch, comparing across fleets

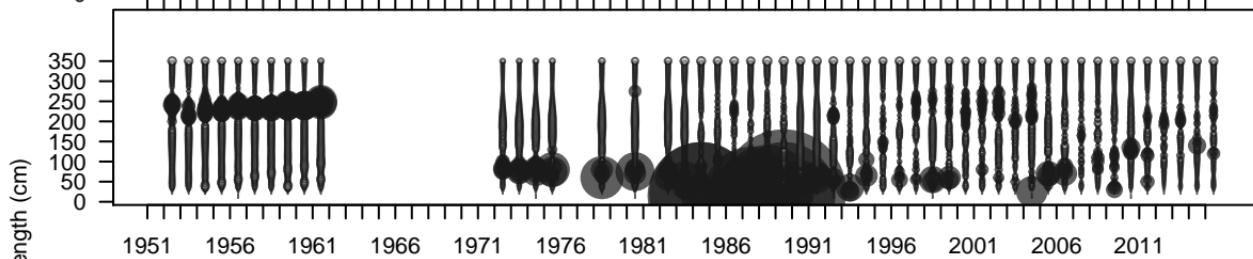


Pearson residuals, female, whole catch, comparing across fleets

TRPOTHER



OTR

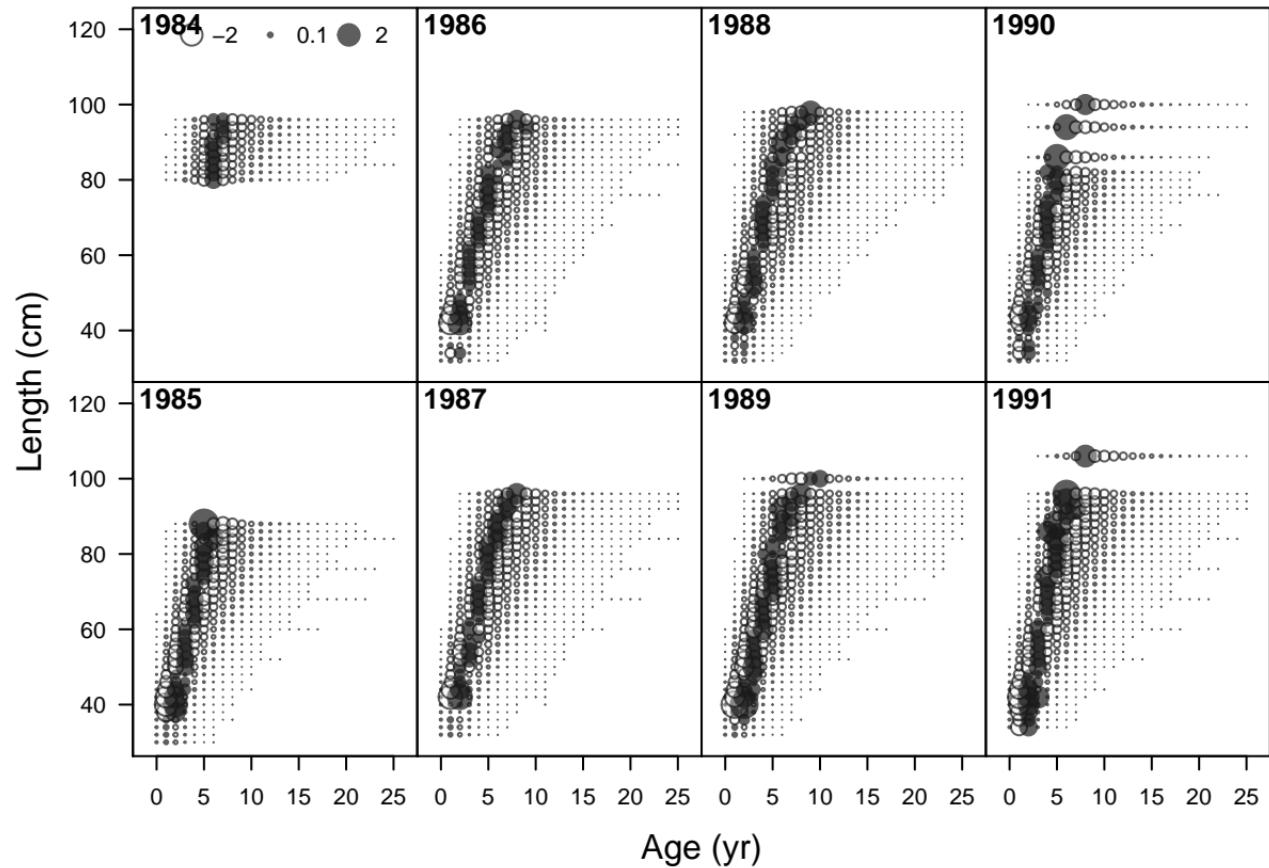


Length (cm)

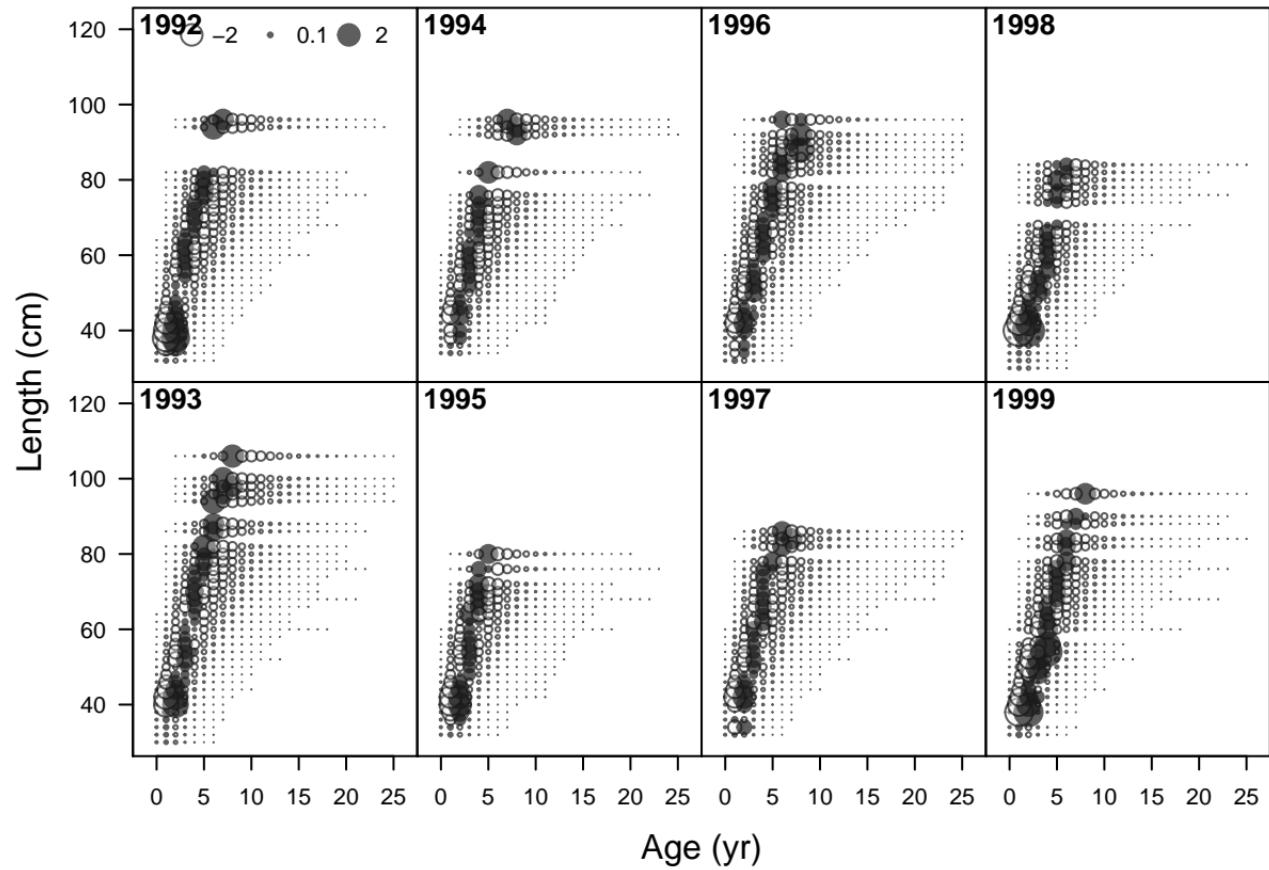
1951 1956 1961 1966 1971 1976 1981 1986 1991 1996 2001 2006 2011

Year

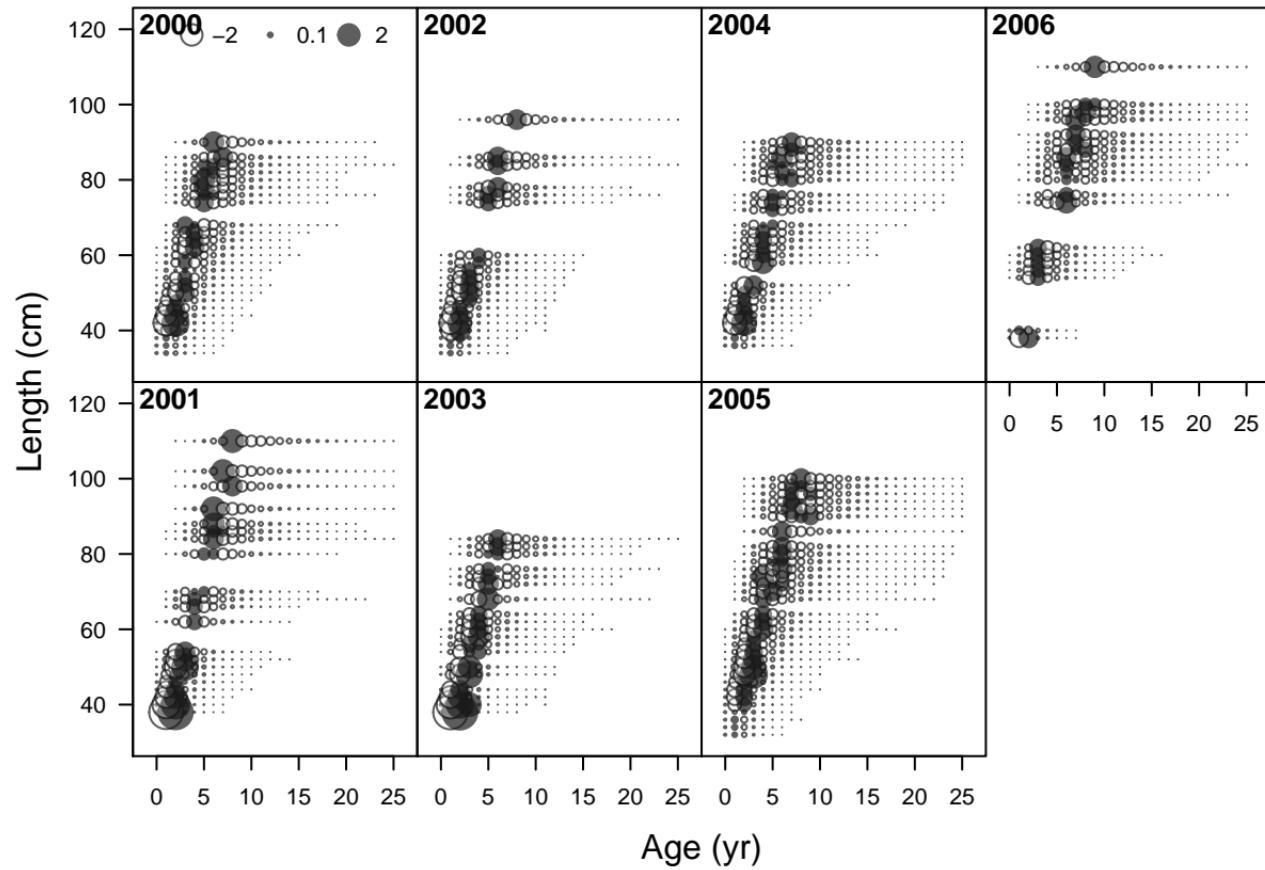
Pearson residuals, whole catch, BB52_06 (max=5.22)



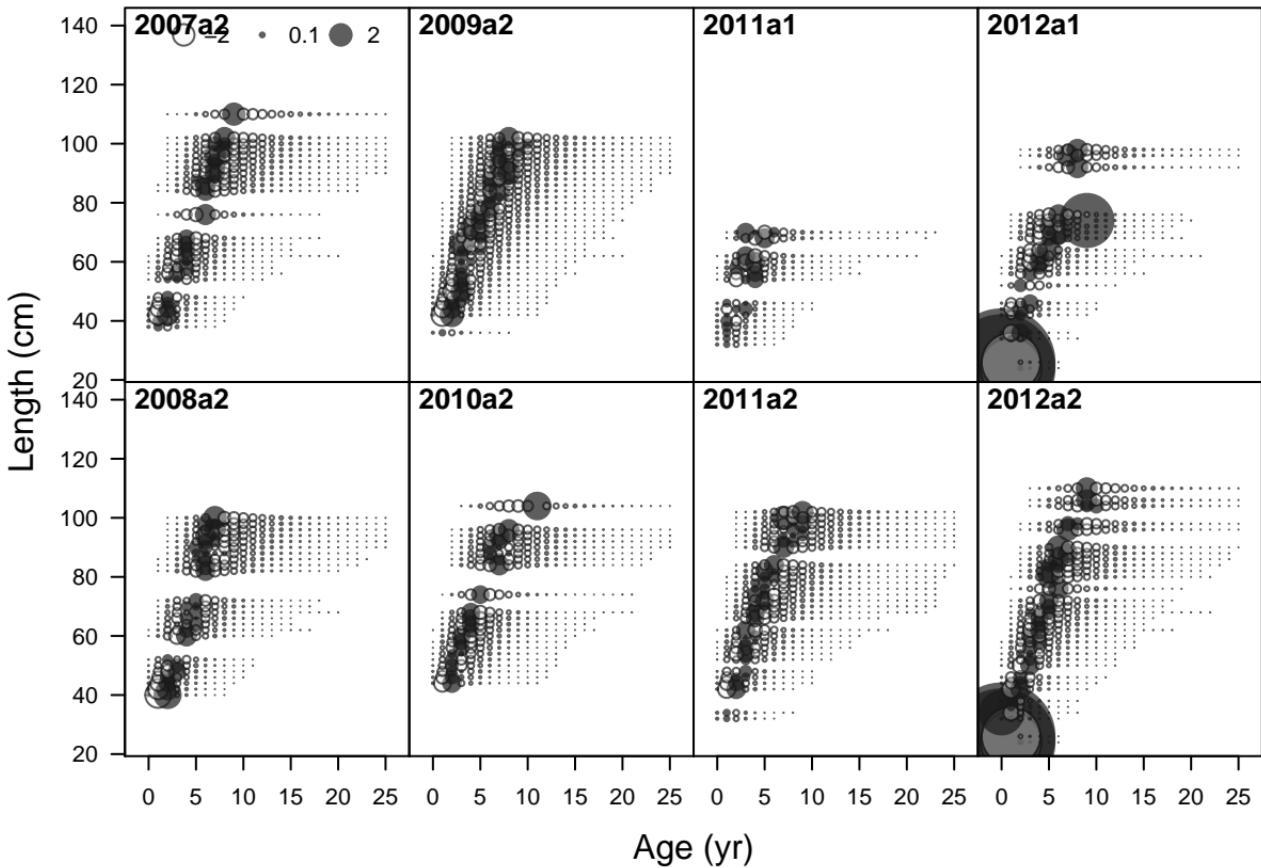
Pearson residuals, whole catch, BB52_06 (max=5.22)



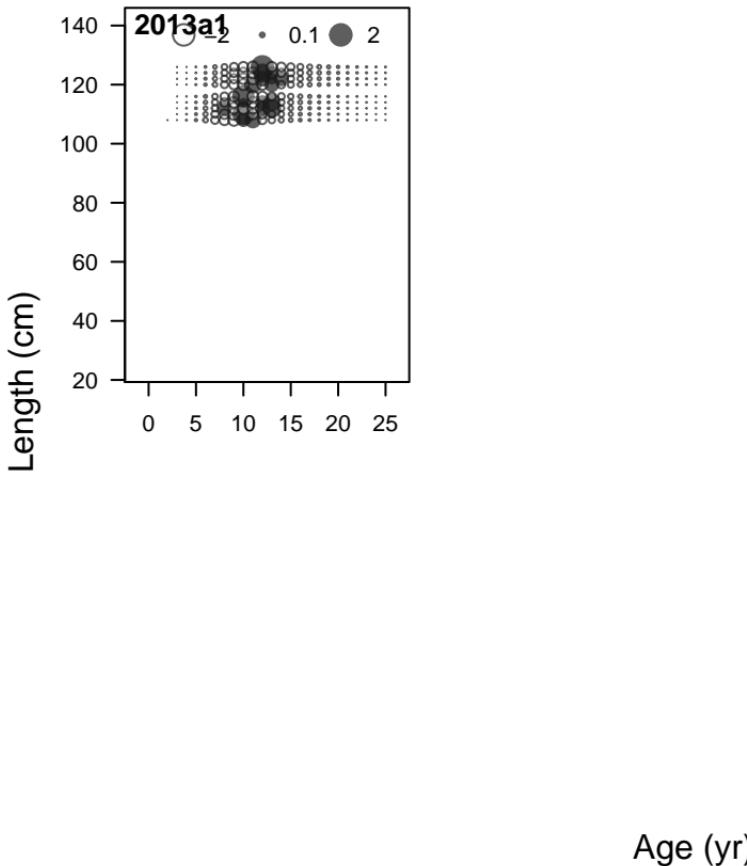
Pearson residuals, whole catch, BB52_06 (max=5.22)



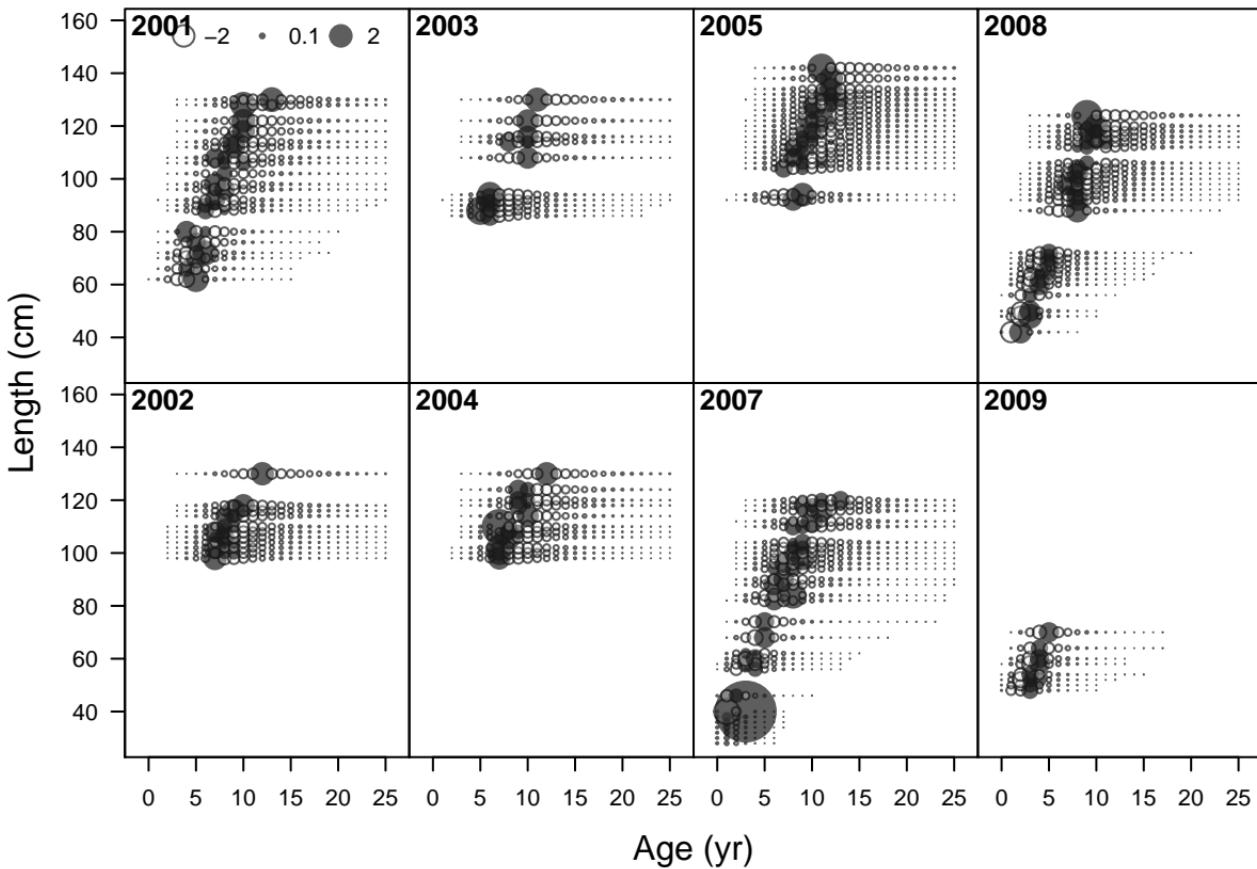
Pearson residuals, whole catch, BB06_15 (max=48.35)



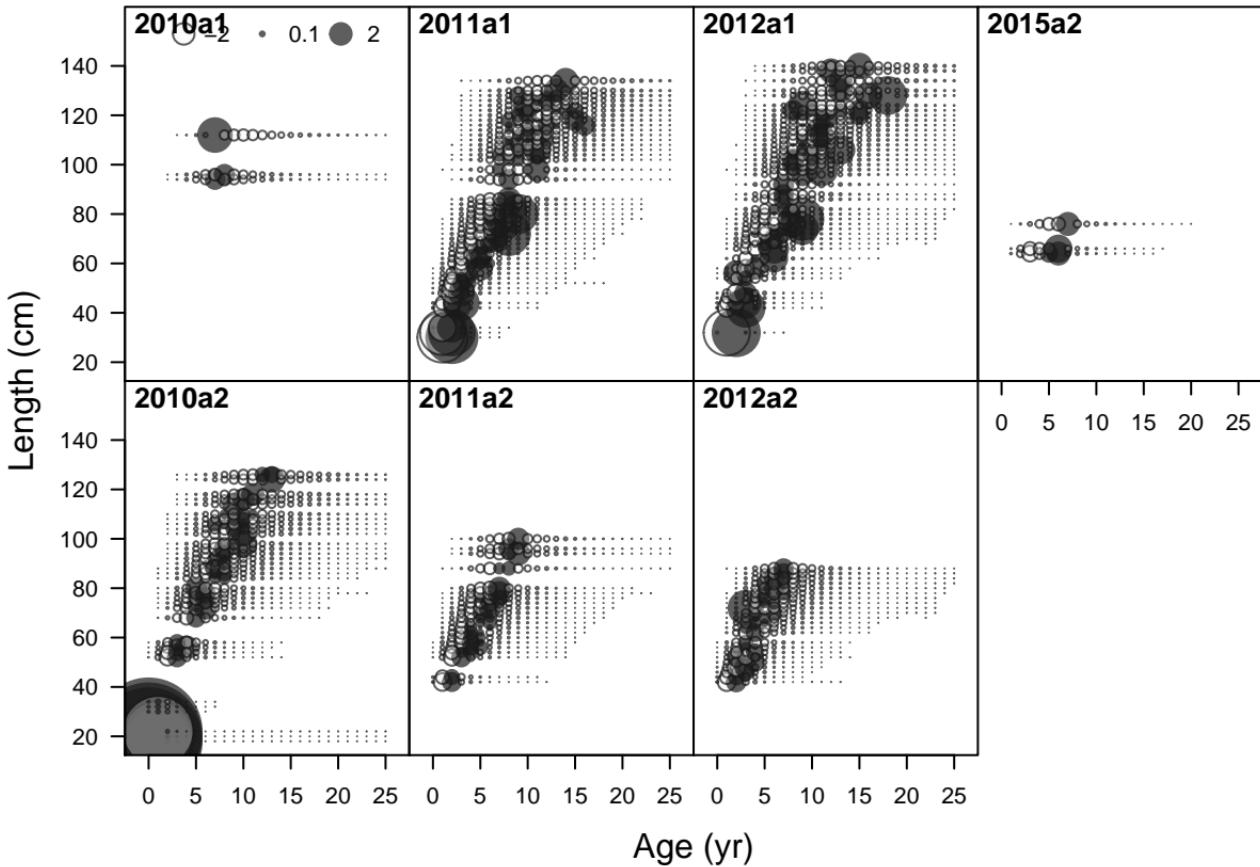
Pearson residuals, whole catch, BB06_15 (max=48.35)



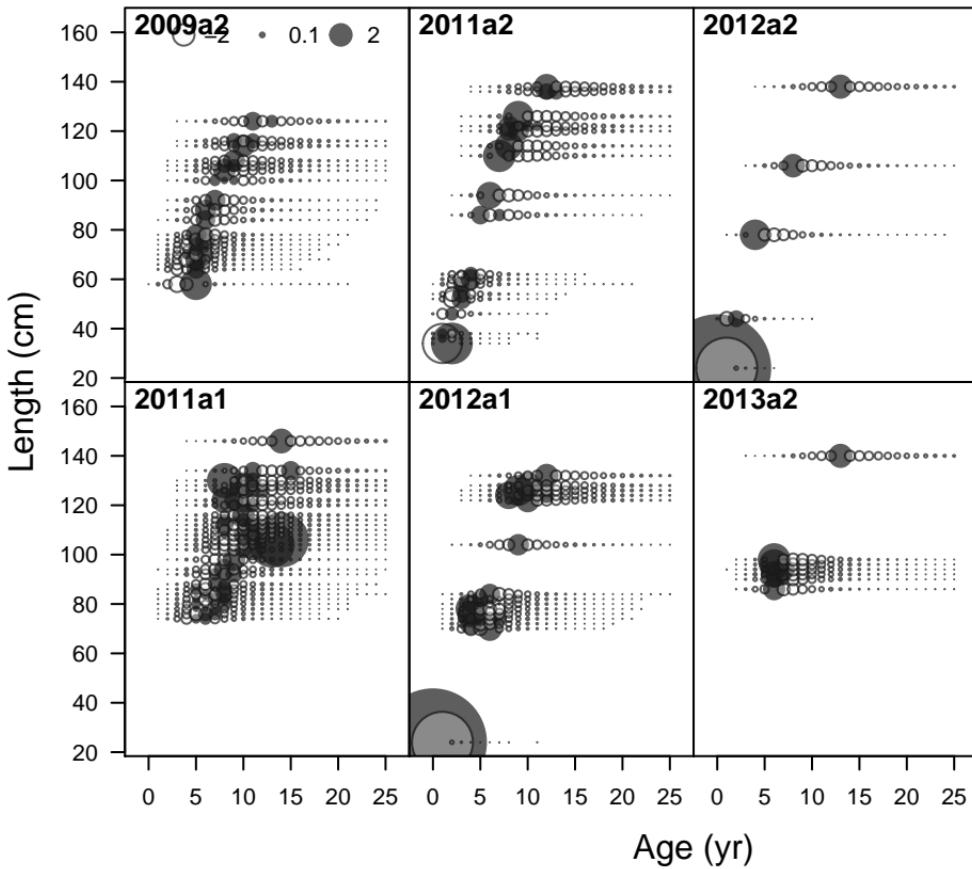
Pearson residuals, whole catch, LL1 (max=15.49)



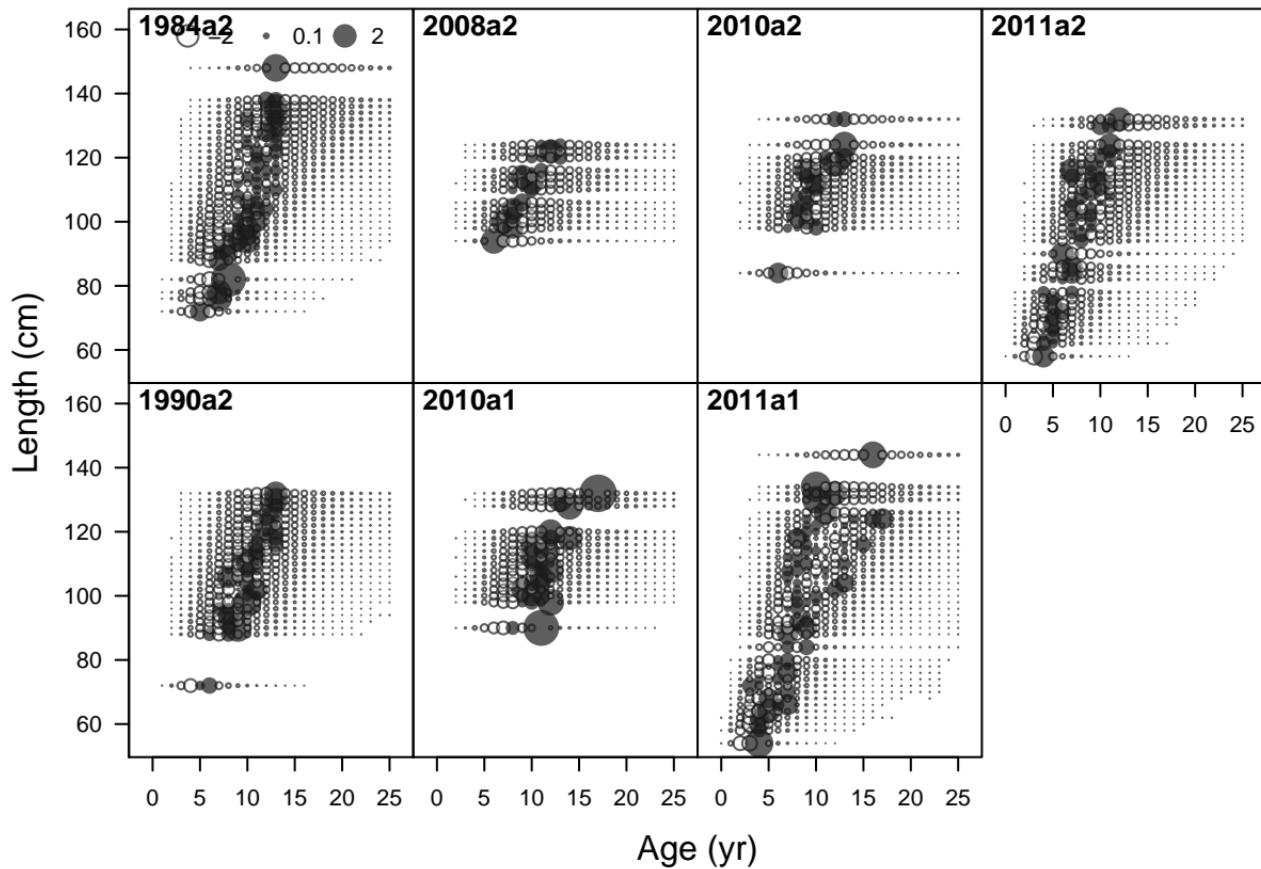
Pearson residuals, whole catch, LL3 (max=48.29)



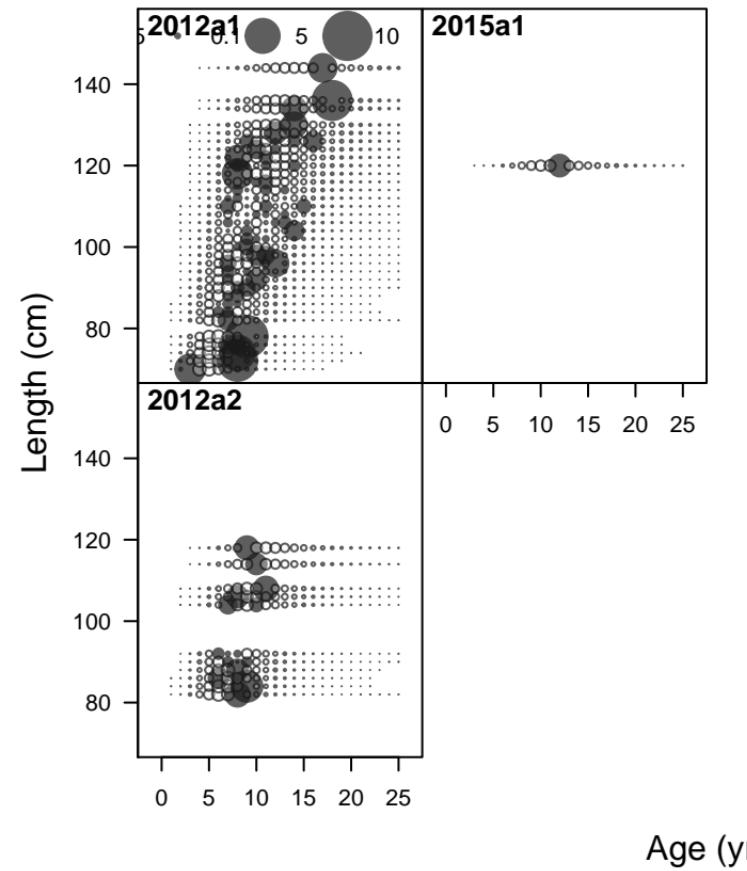
Pearson residuals, whole catch, PS_FR (max=48.33)



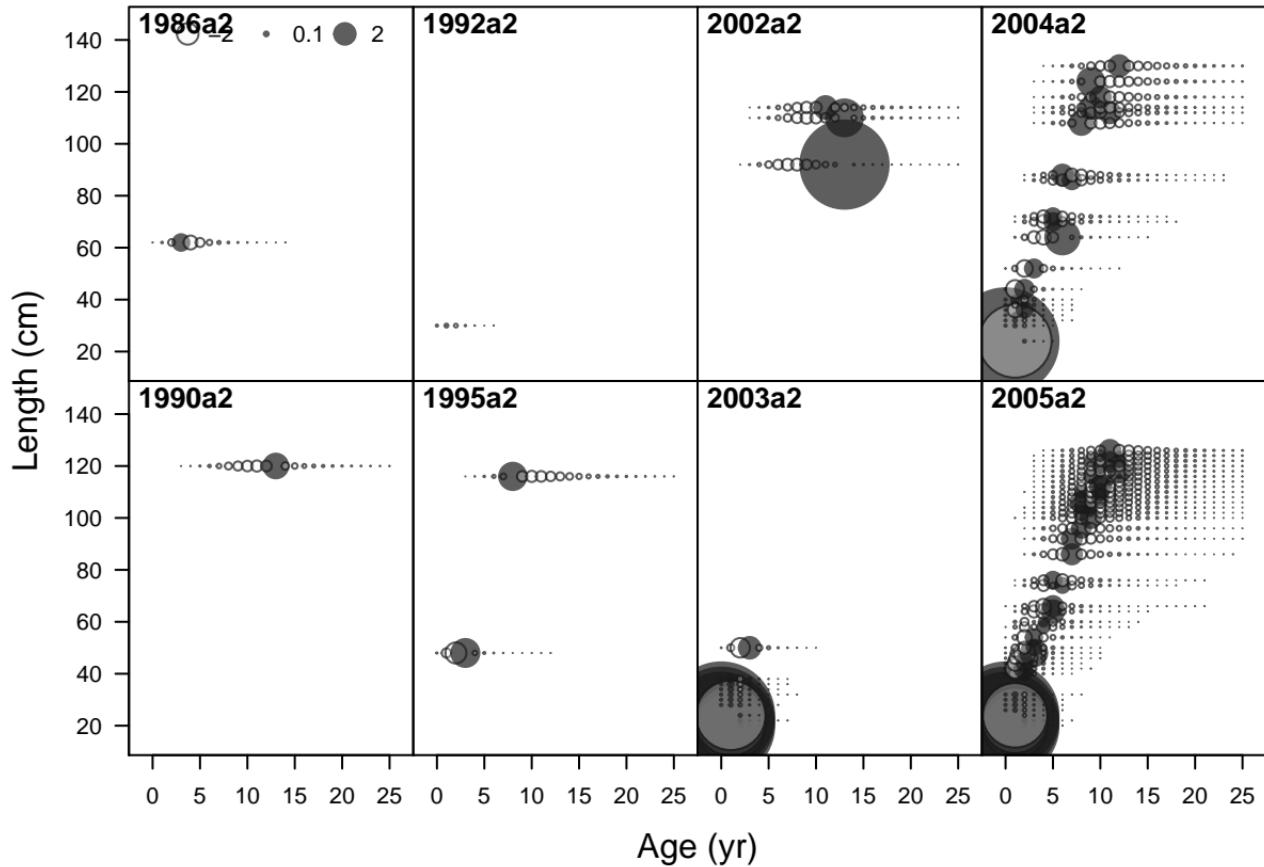
Pearson residuals, whole catch, TRP1 (max=5.44)



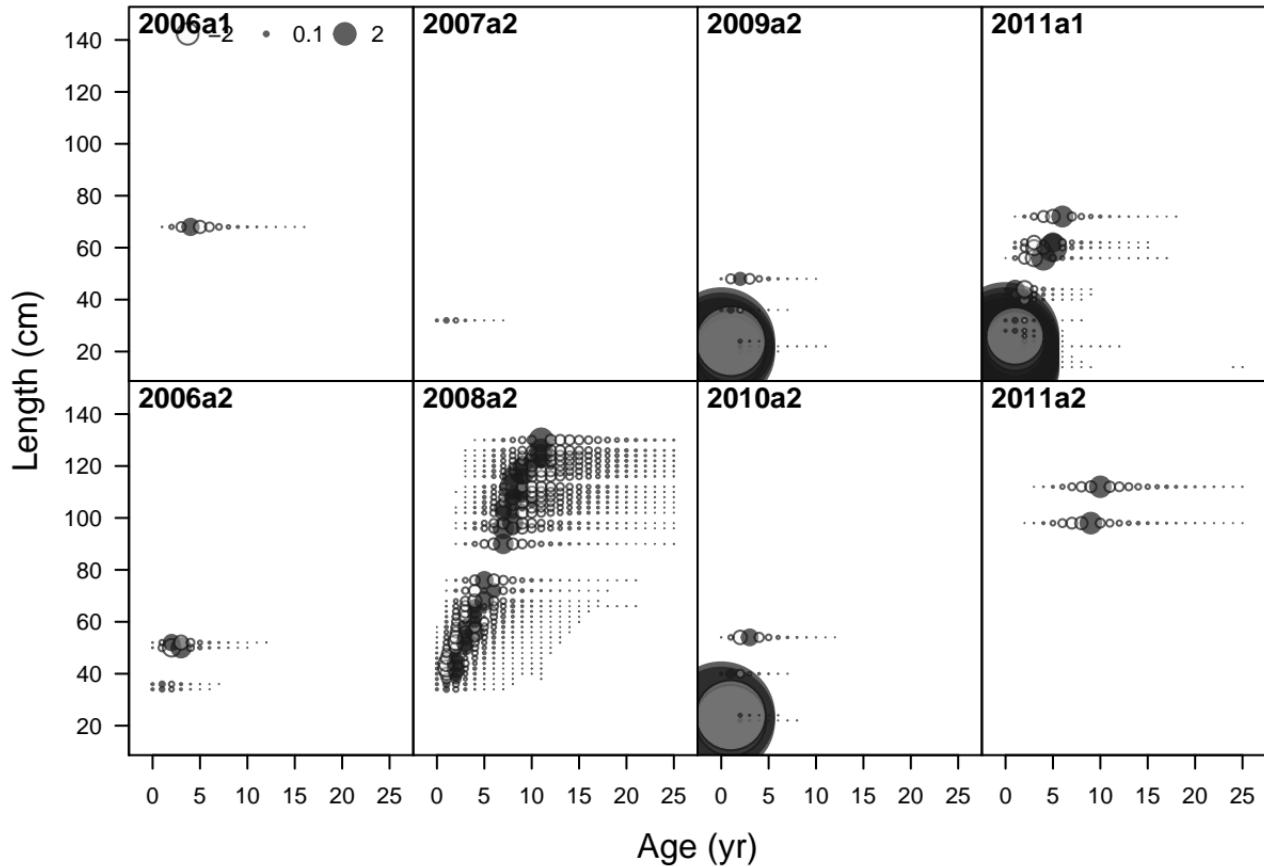
Pearson residuals, whole catch, TRP2 (max=7.38)



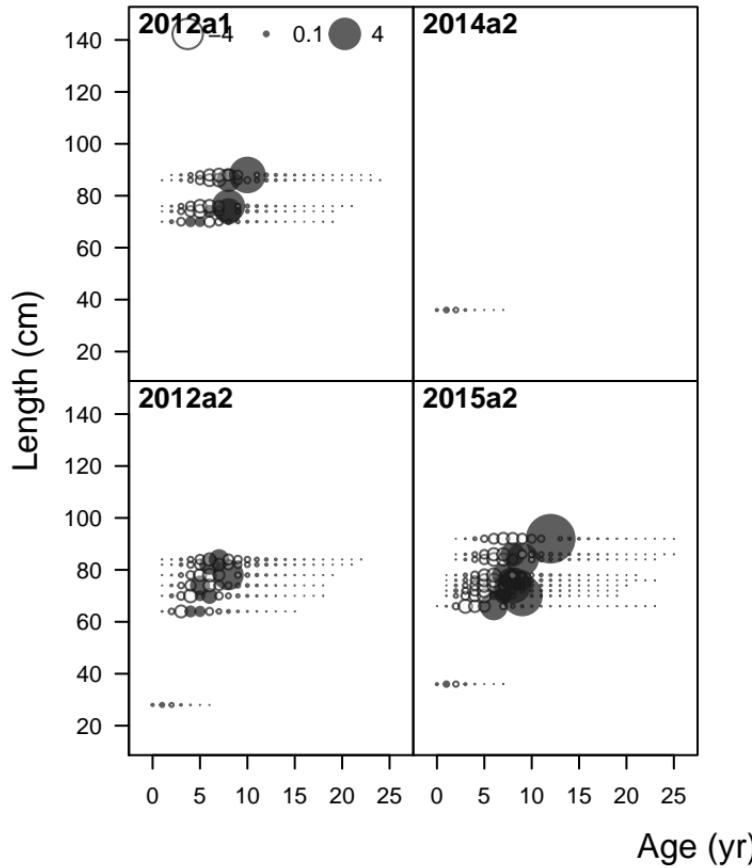
Pearson residuals, whole catch, OTR (max=48.41)



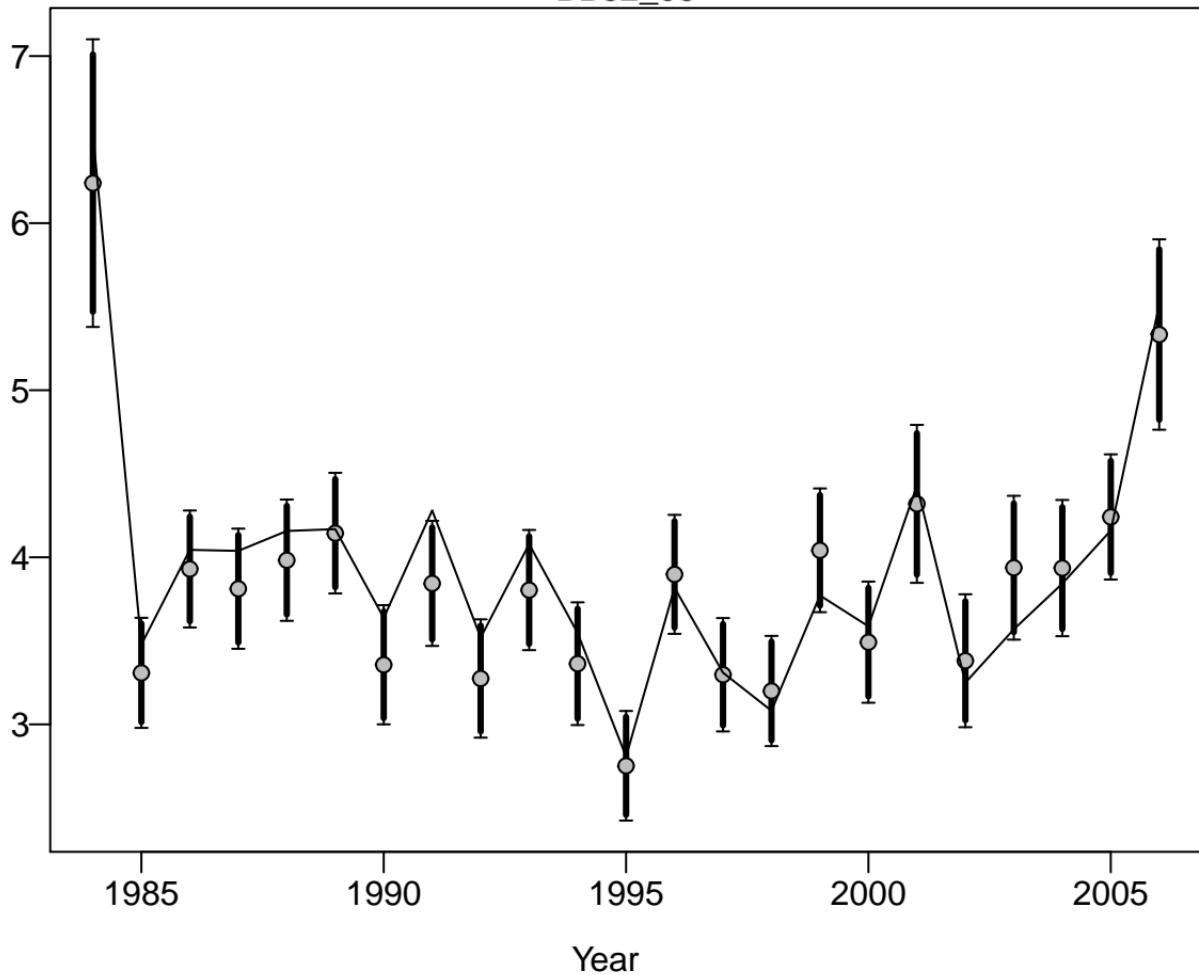
Pearson residuals, whole catch, OTR (max=48.41)



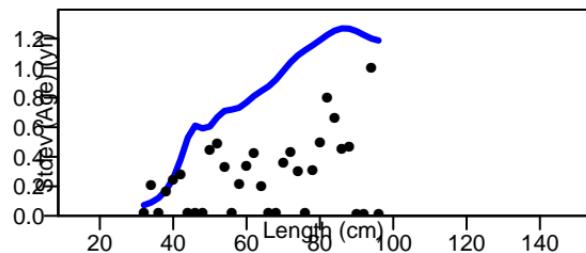
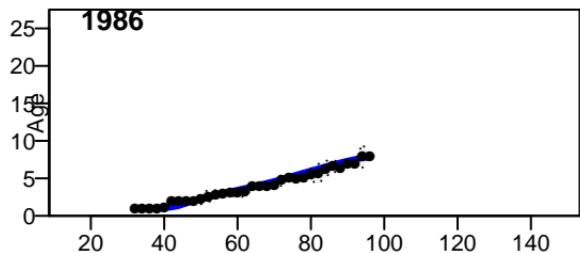
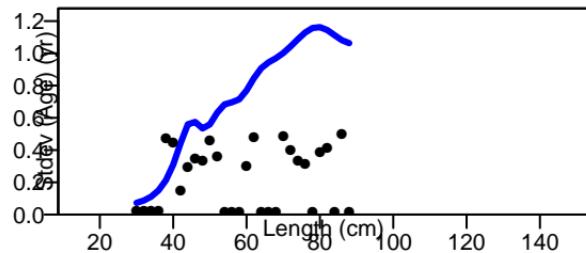
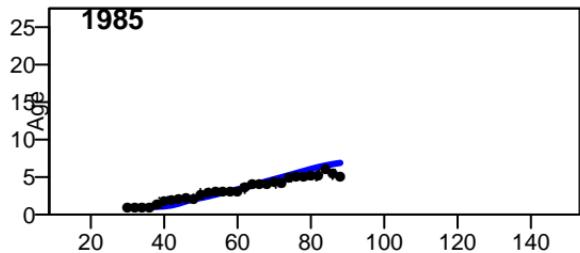
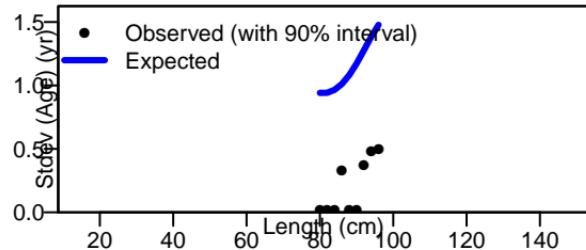
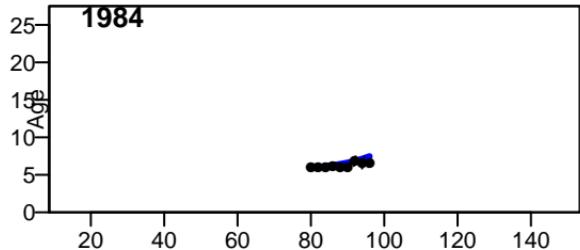
Pearson residuals, whole catch, OTR (max=48.41)



Mean age

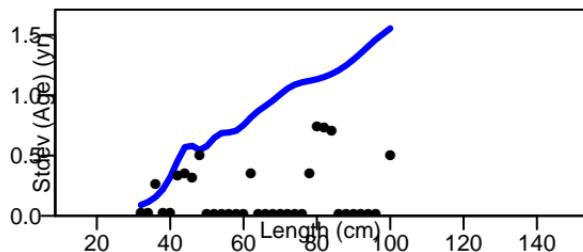
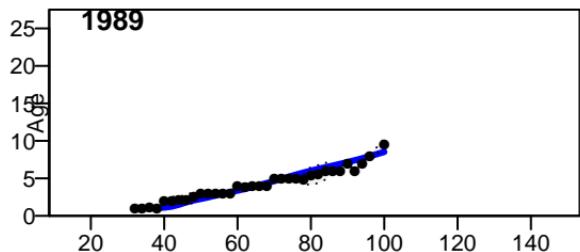
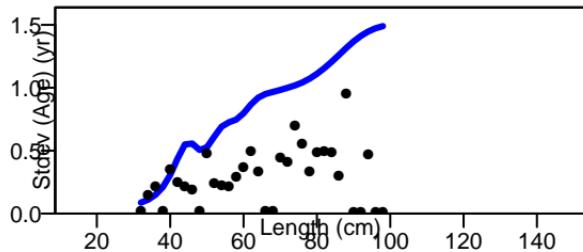
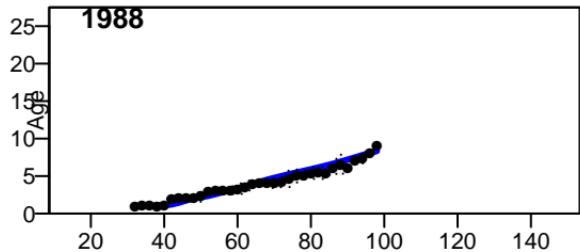
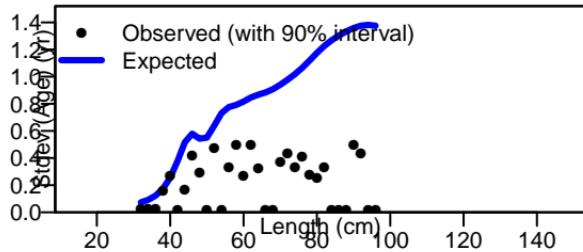
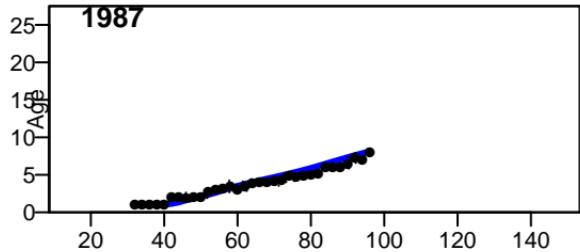


Conditional AAL plot, whole catch, BB52_06



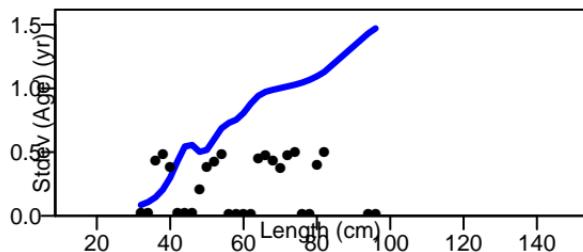
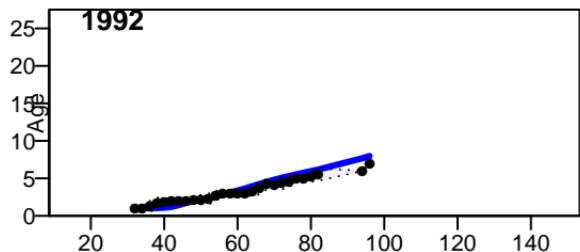
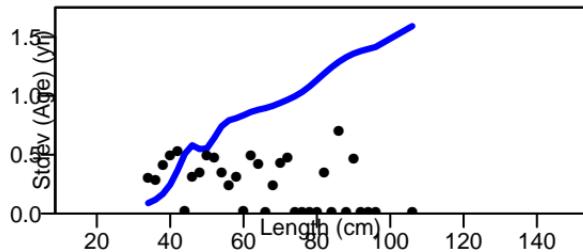
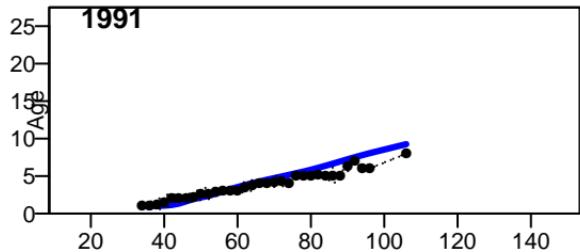
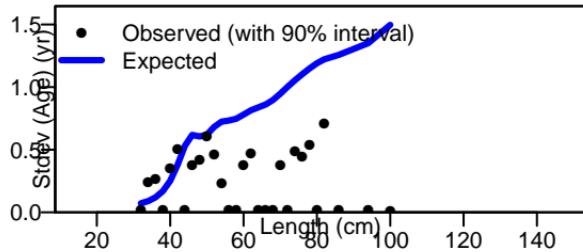
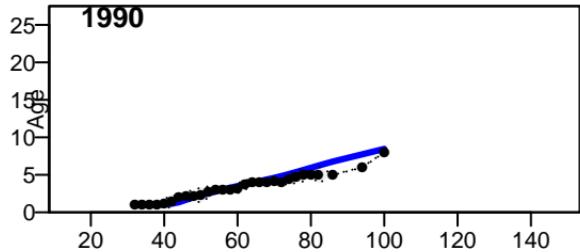
Length (cm)

Conditional AAL plot, whole catch, BB52_06



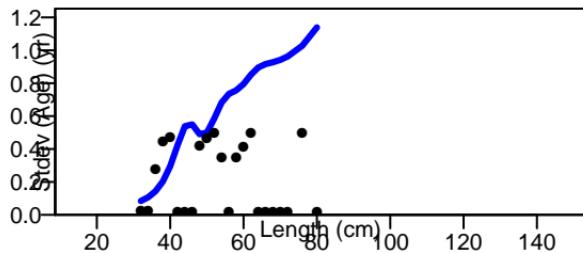
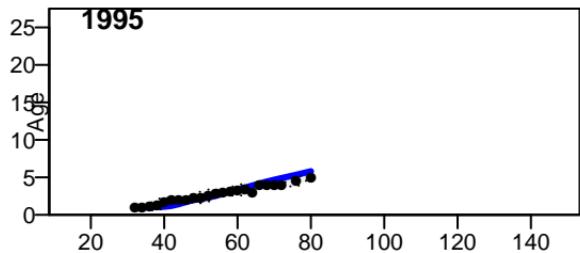
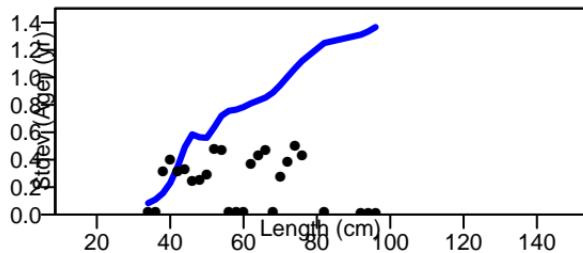
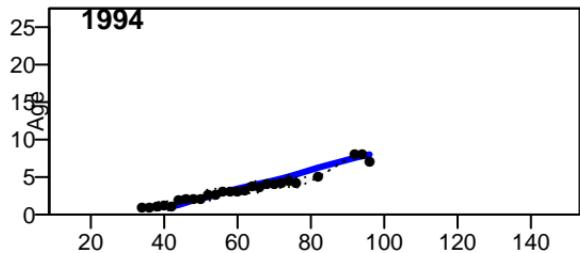
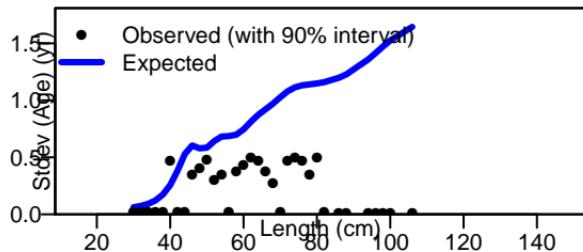
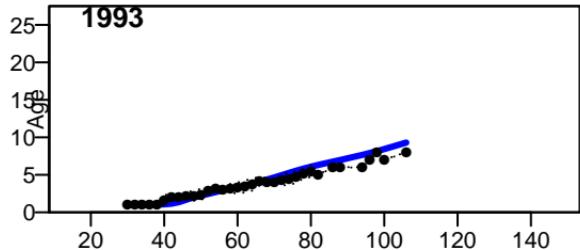
Length (cm)

Conditional AAL plot, whole catch, BB52_06



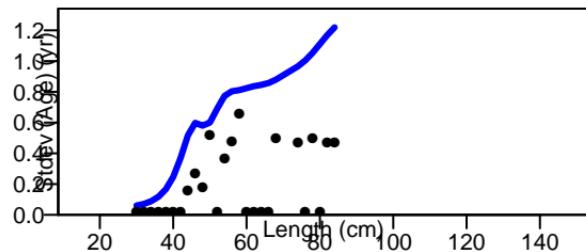
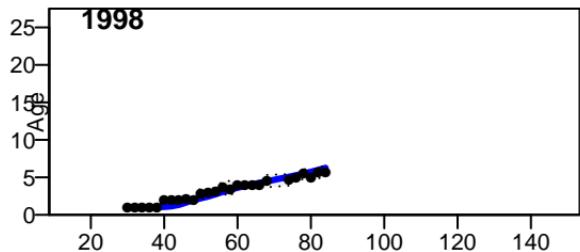
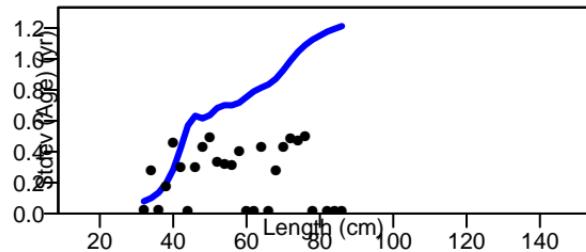
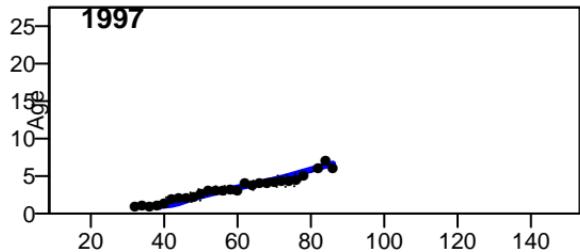
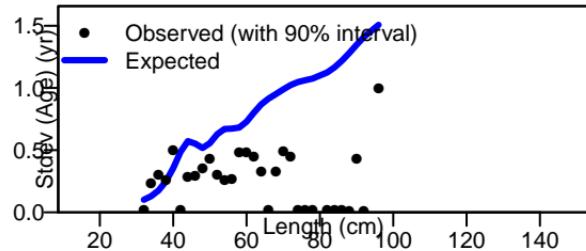
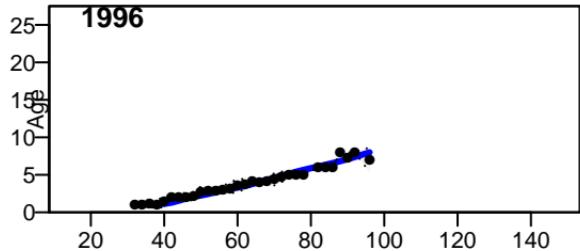
Length (cm)

Conditional AAL plot, whole catch, BB52_06



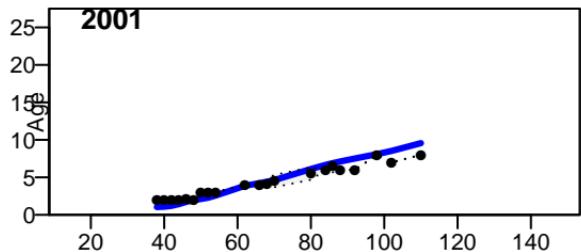
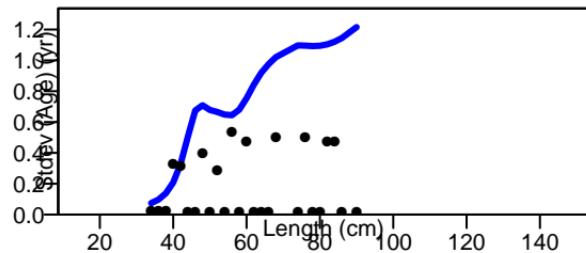
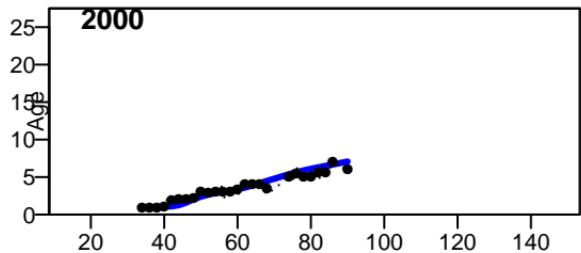
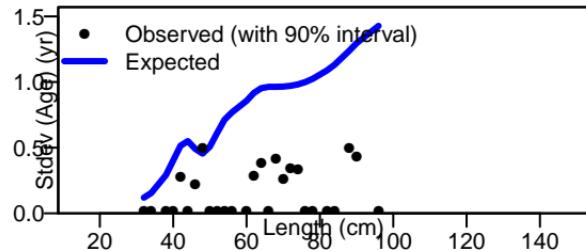
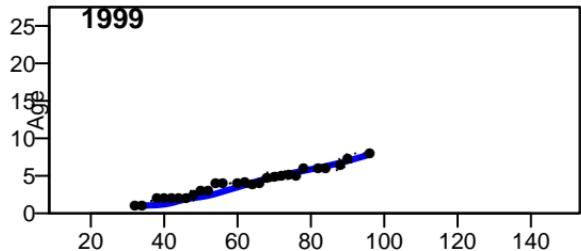
Length (cm)

Conditional AAL plot, whole catch, BB52_06

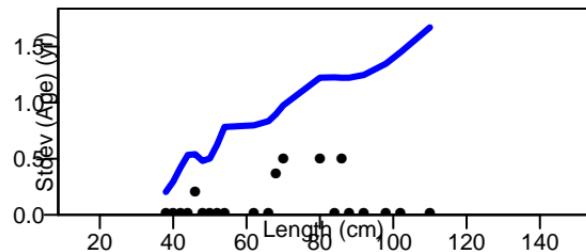


Length (cm)

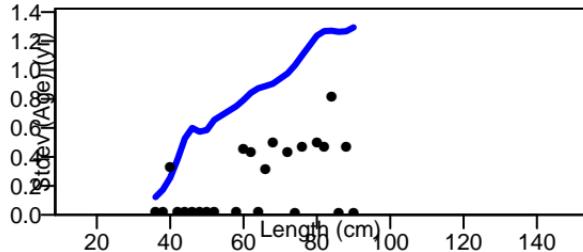
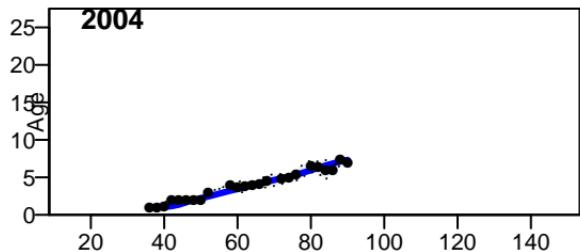
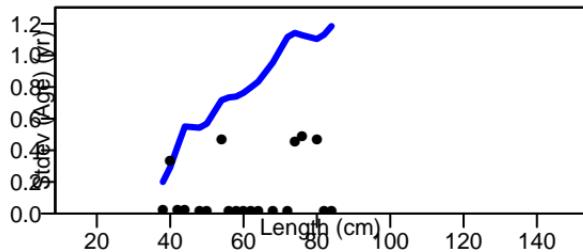
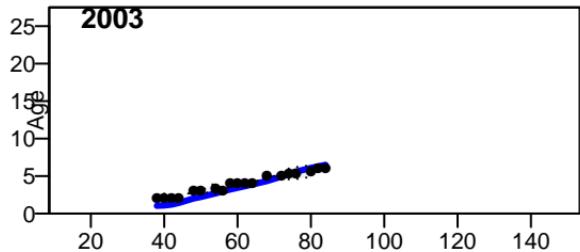
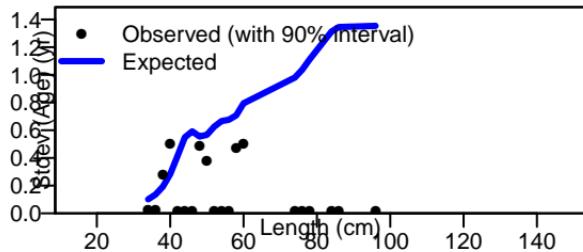
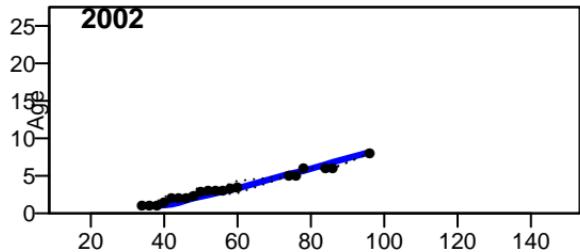
Conditional AAL plot, whole catch, BB52_06



Length (cm)

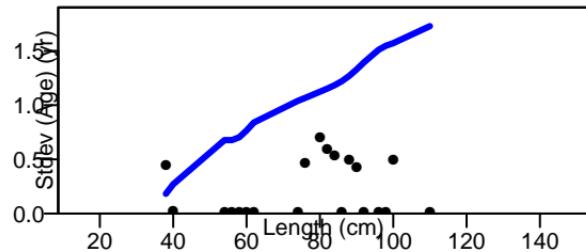
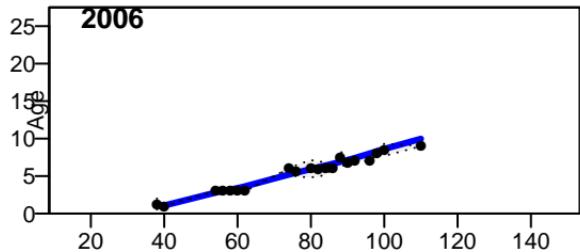
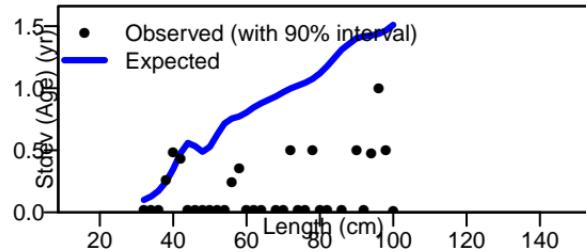
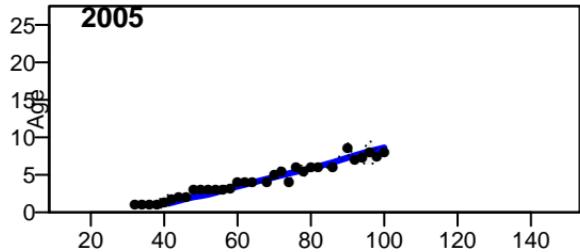


Conditional AAL plot, whole catch, BB52_06



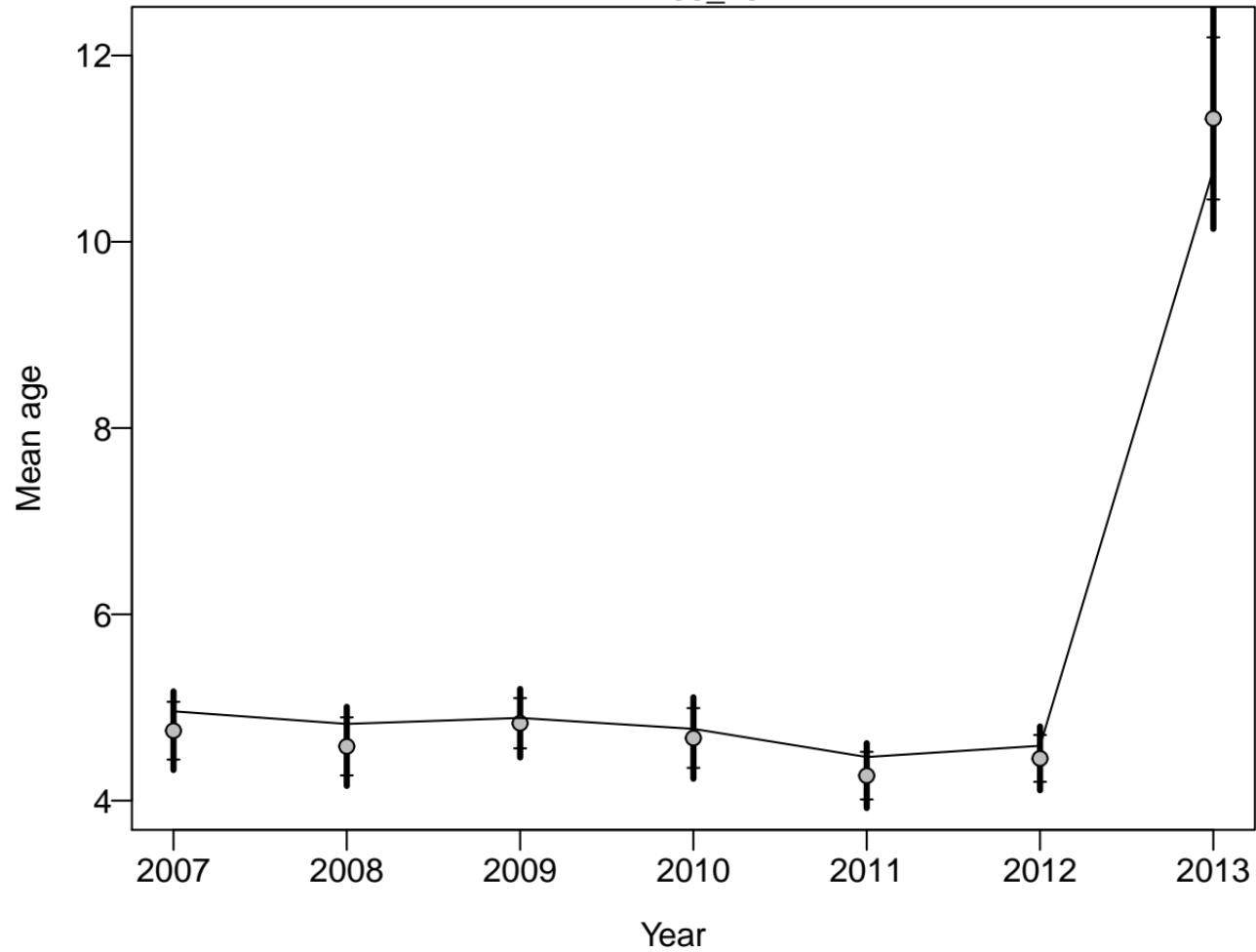
Length (cm)

Conditional AAL plot, whole catch, BB52_06

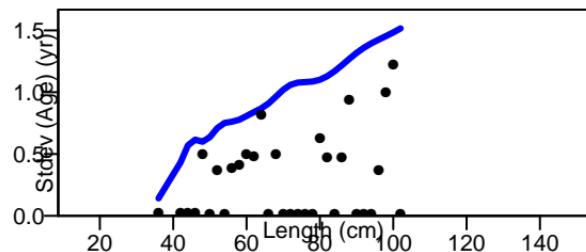
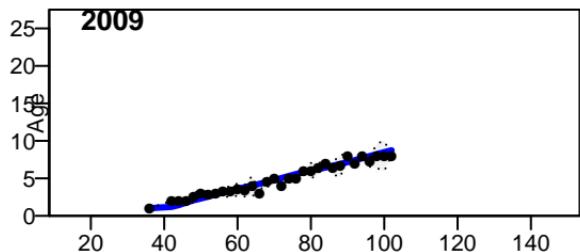
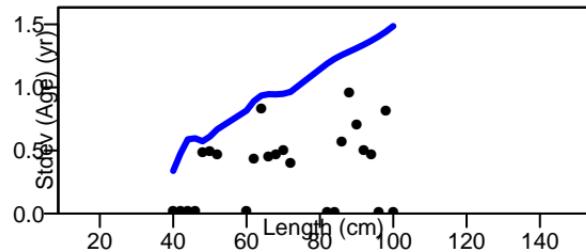
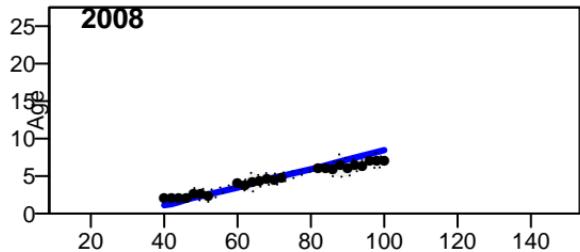
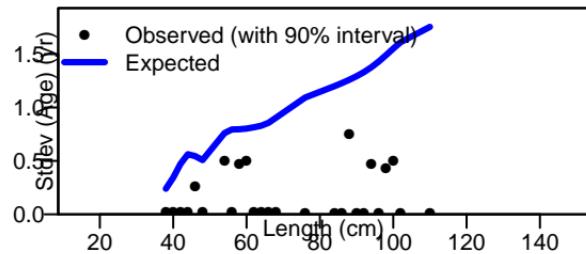
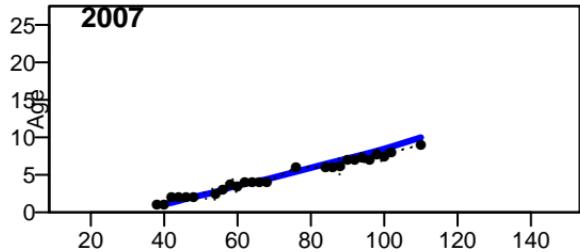


Length (cm)

BB06_15

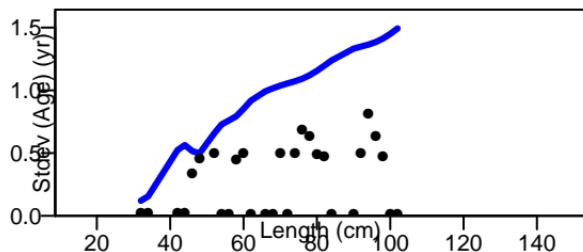
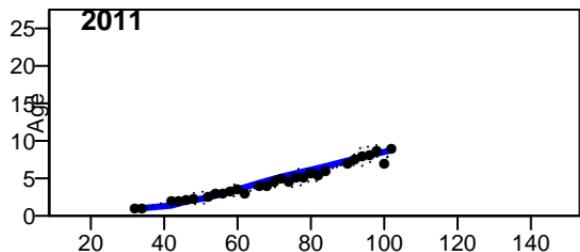
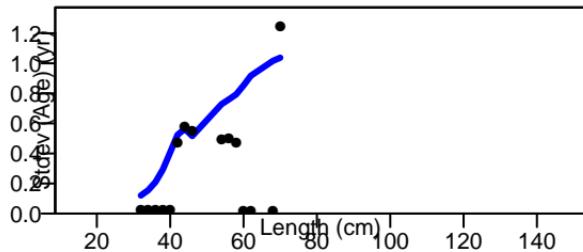
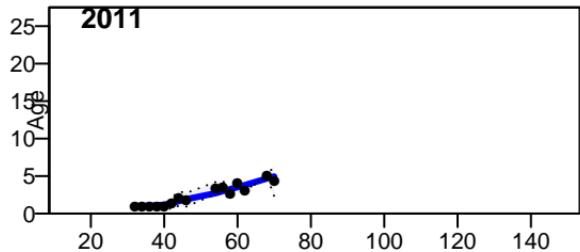
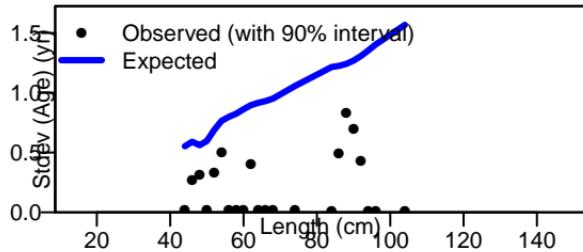
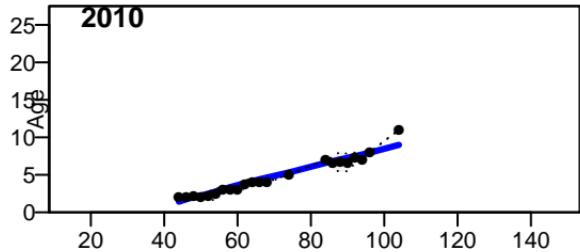


Conditional AAL plot, whole catch, BB06_15



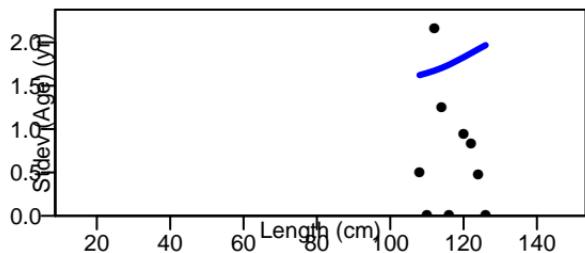
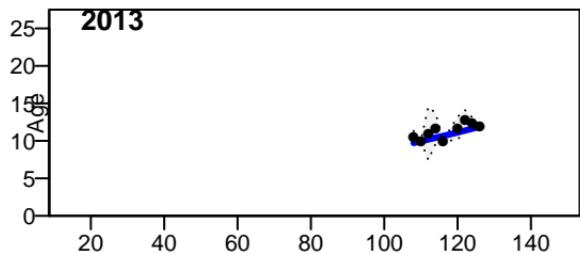
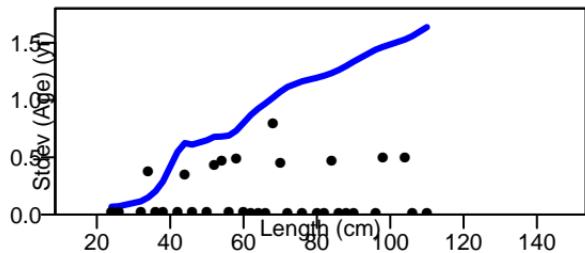
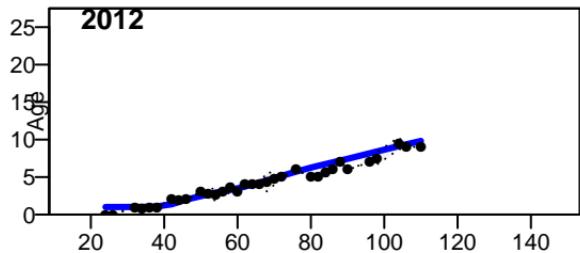
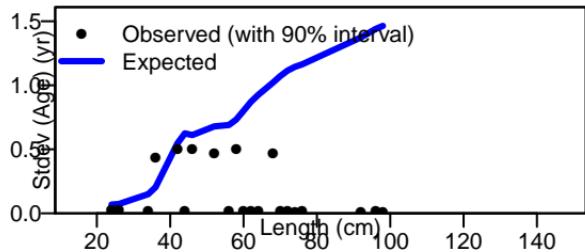
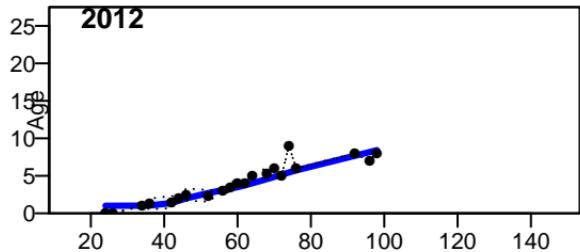
Length (cm)

Conditional AAL plot, whole catch, BB06_15



Length (cm)

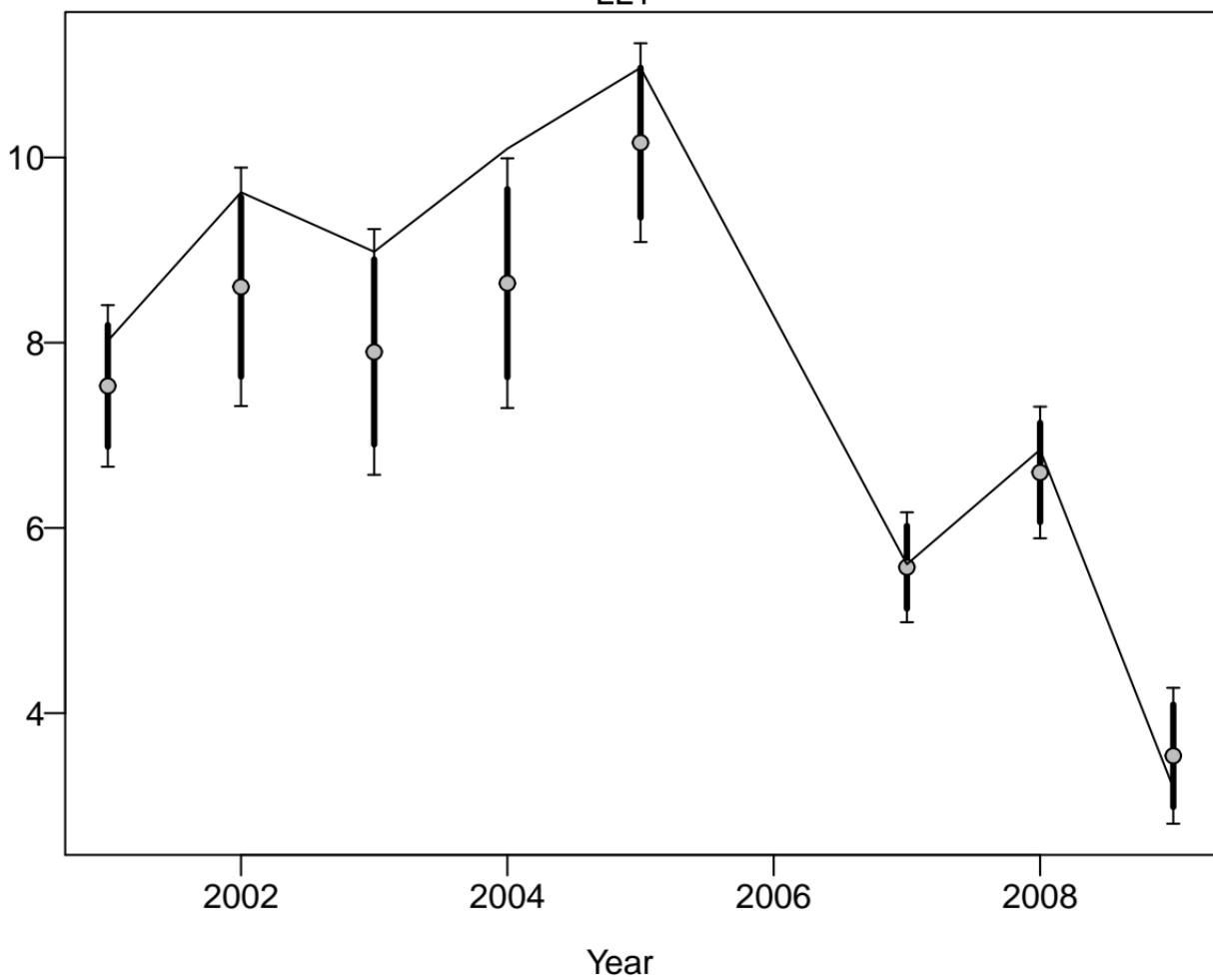
Conditional AAL plot, whole catch, BB06_15



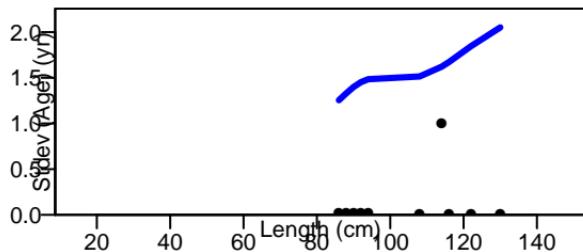
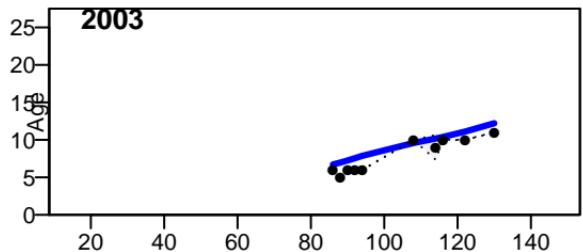
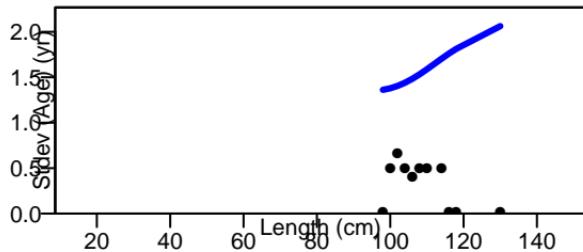
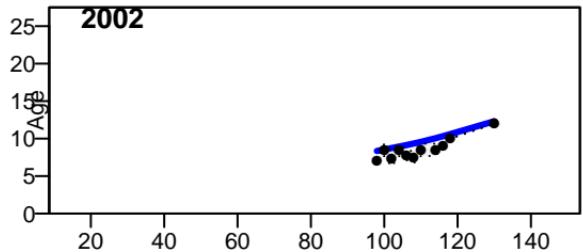
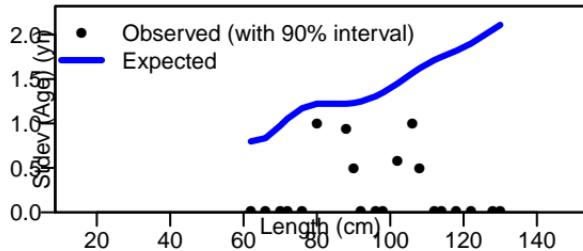
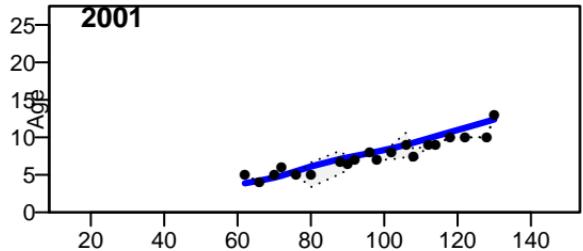
Length (cm)

LL1

Mean age

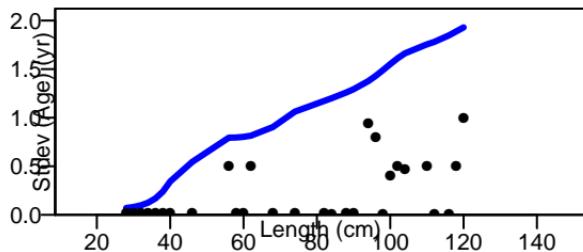
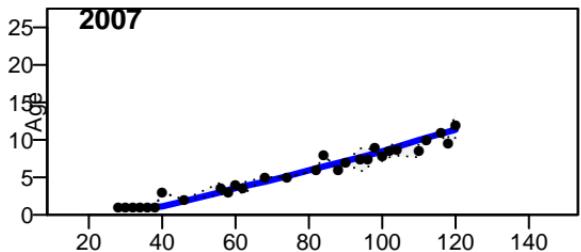
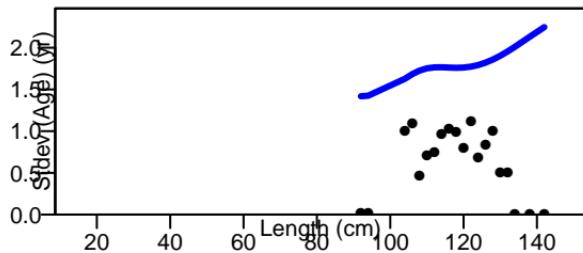
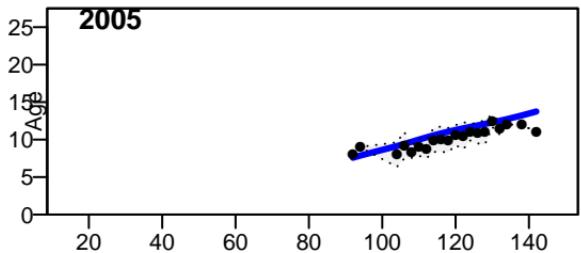
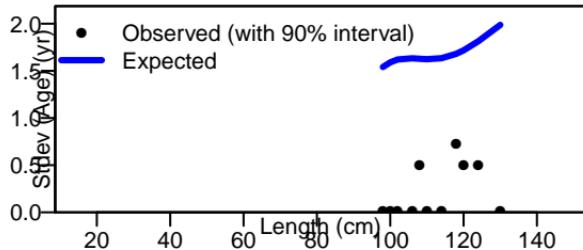
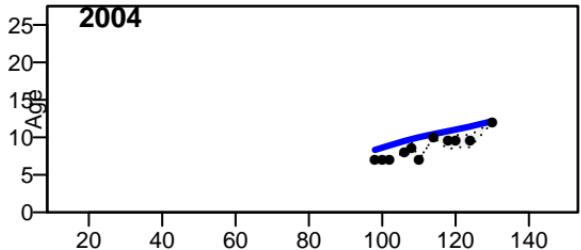


Conditional AAL plot, whole catch, LL1



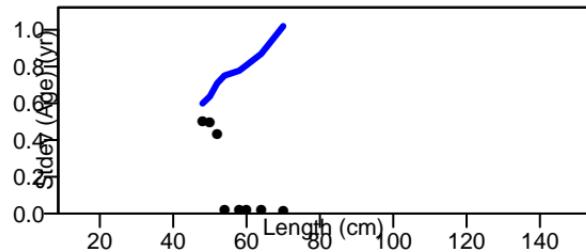
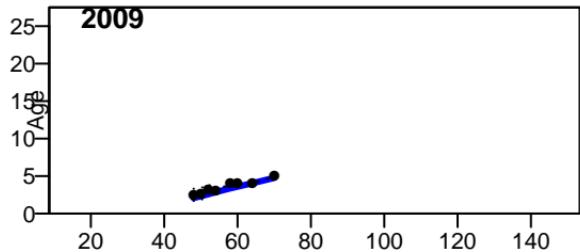
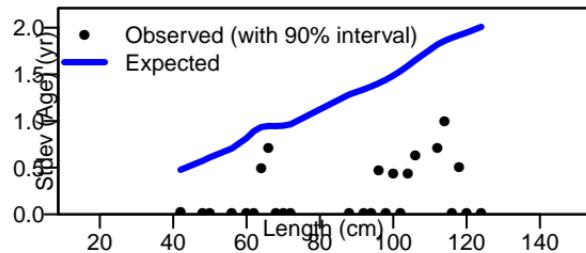
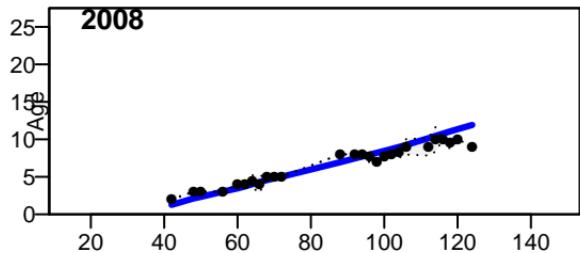
Length (cm)

Conditional AAL plot, whole catch, LL1



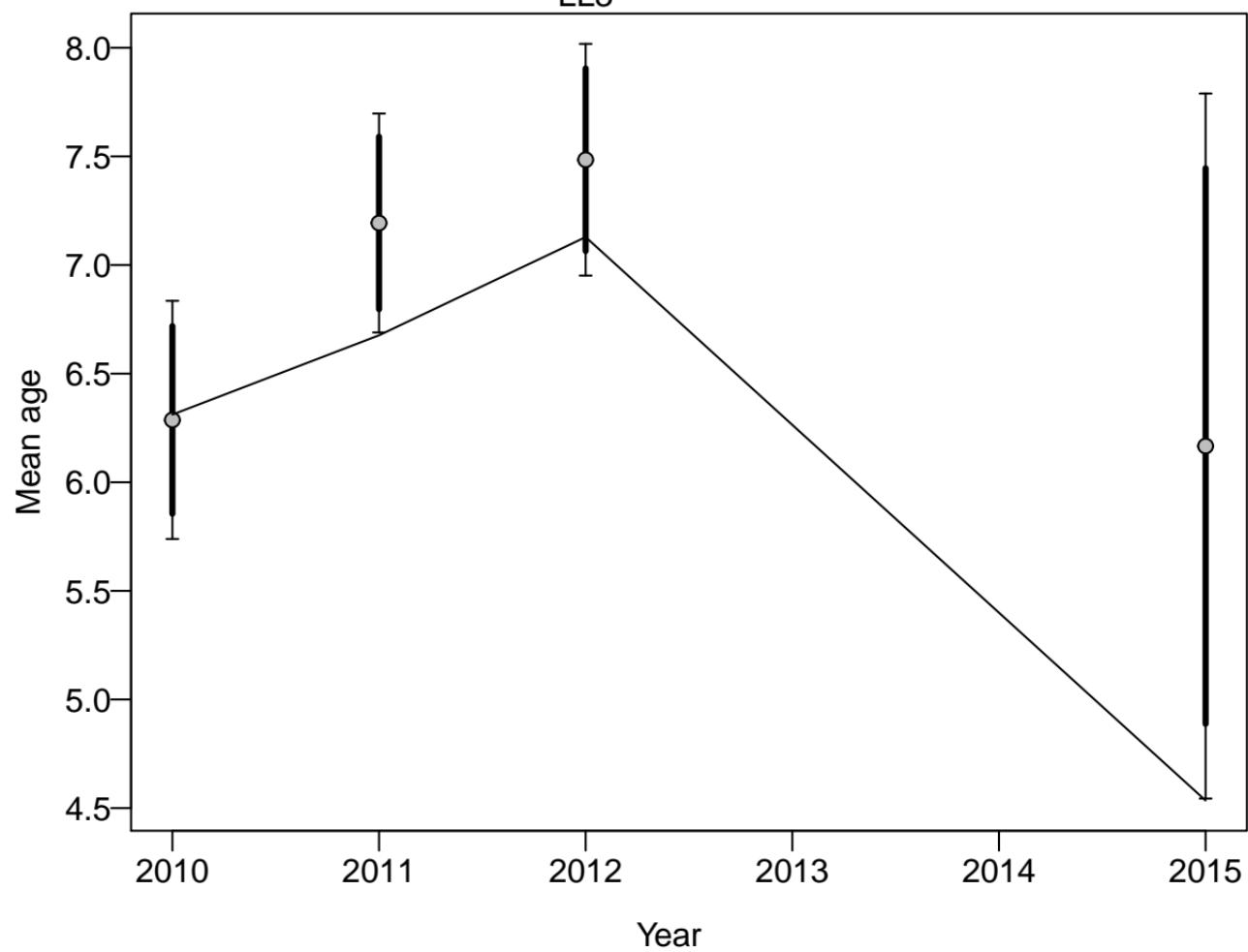
Length (cm)

Conditional AAL plot, whole catch, LL1

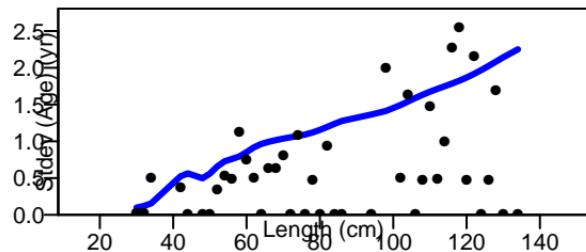
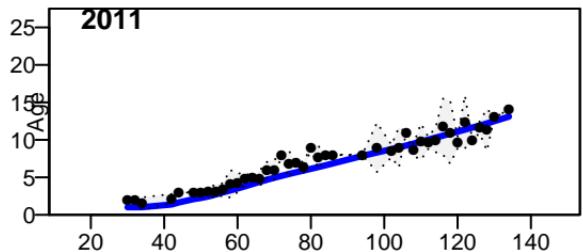
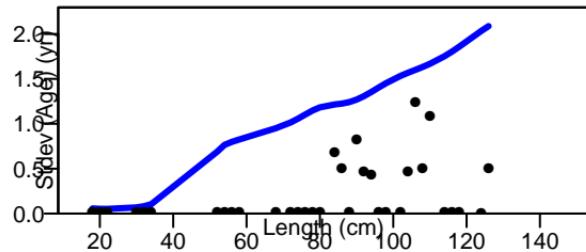
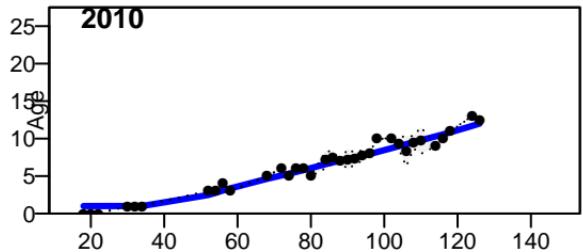
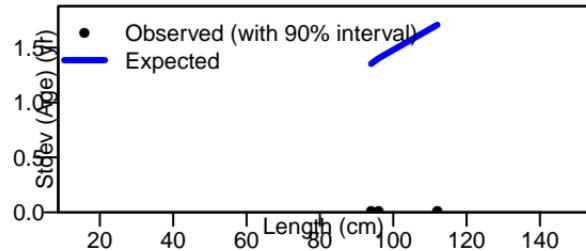
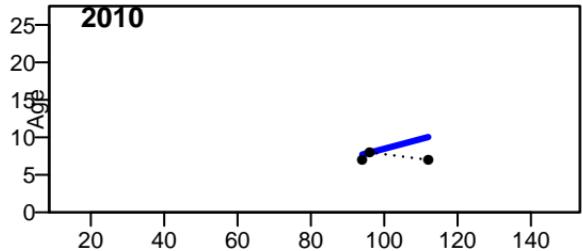


Length (cm)

LL3

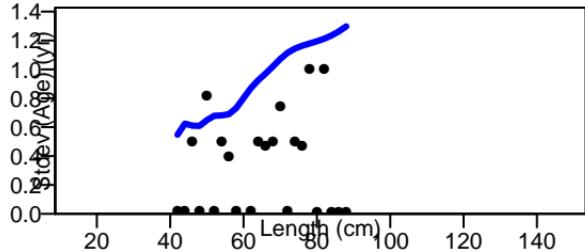
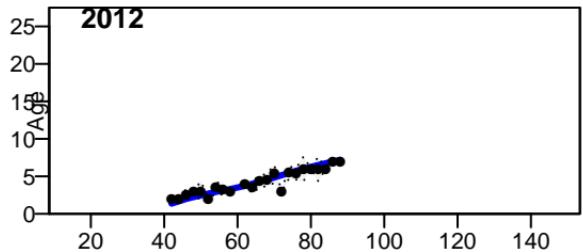
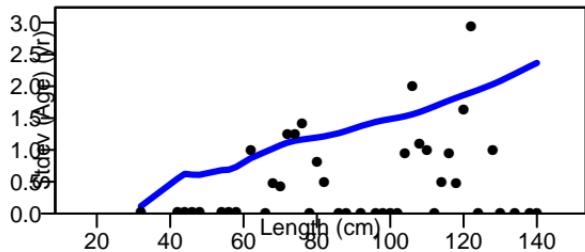
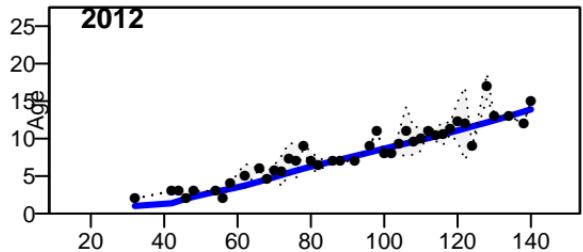
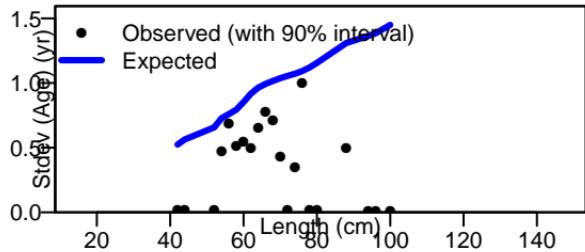
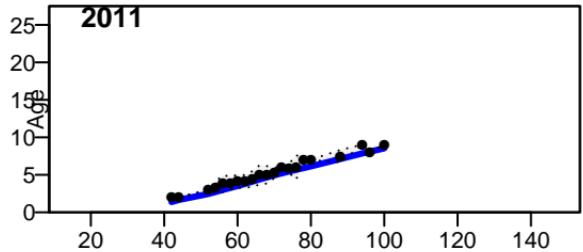


Conditional AAL plot, whole catch, LL3



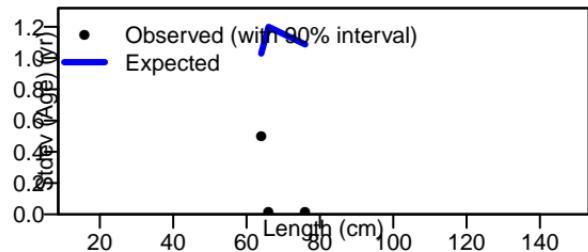
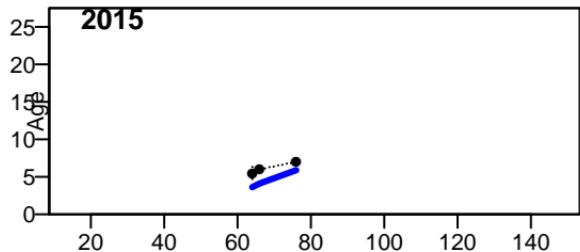
Length (cm)

Conditional AAL plot, whole catch, LL3



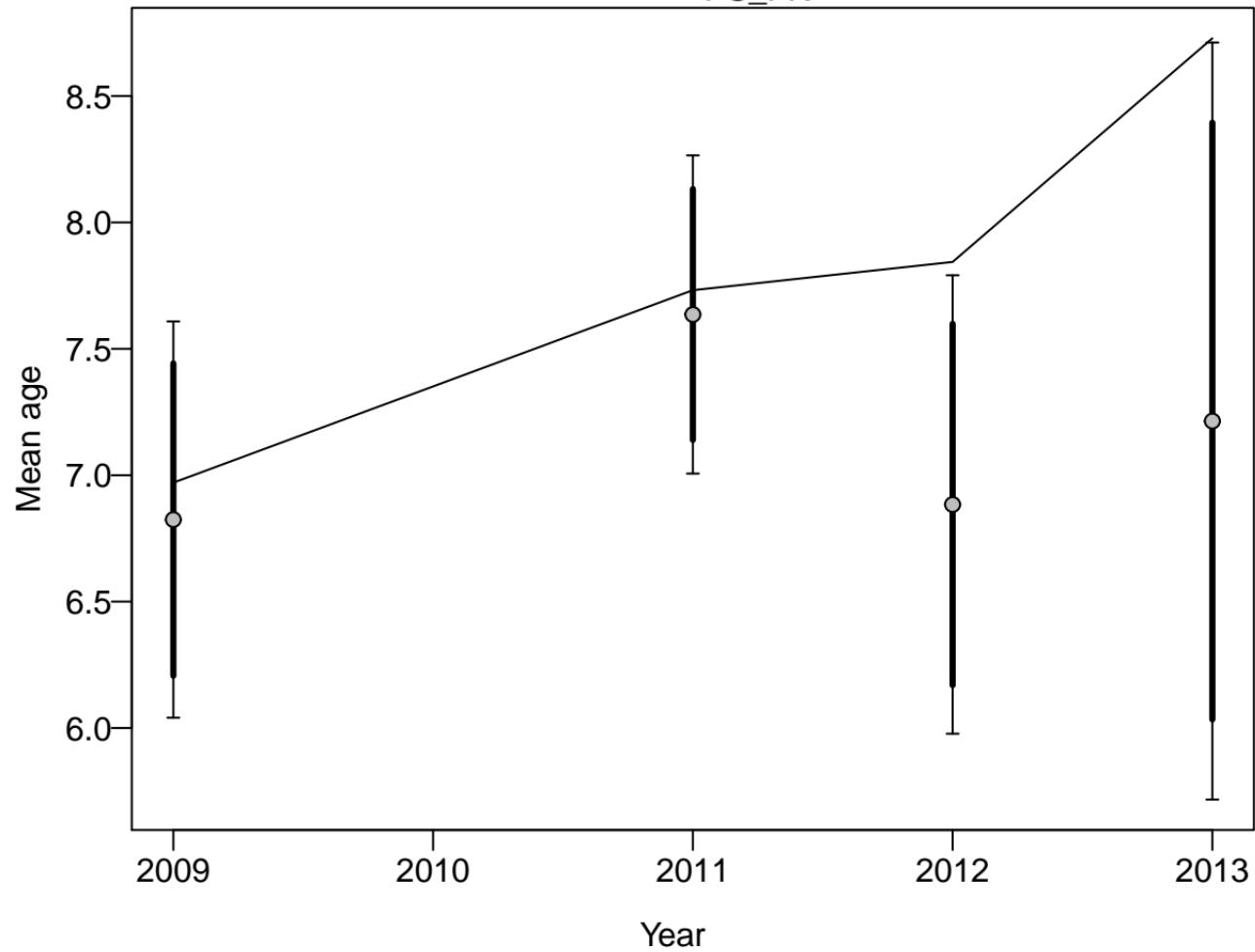
Length (cm)

Conditional AAL plot, whole catch, LL3

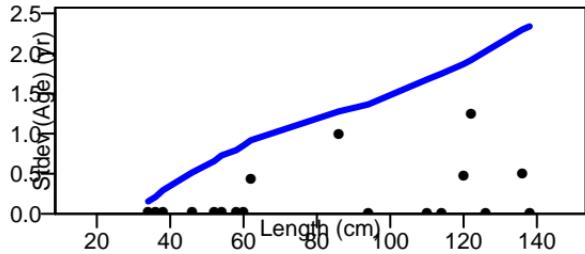
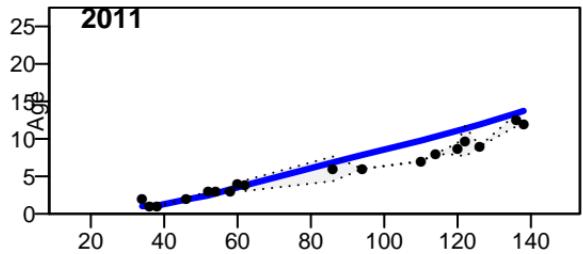
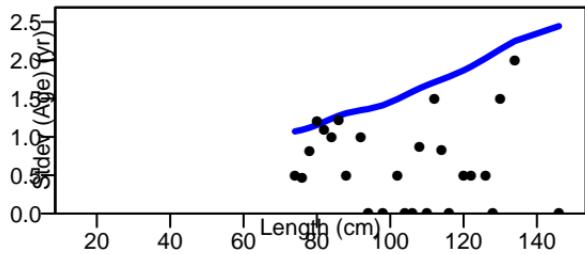
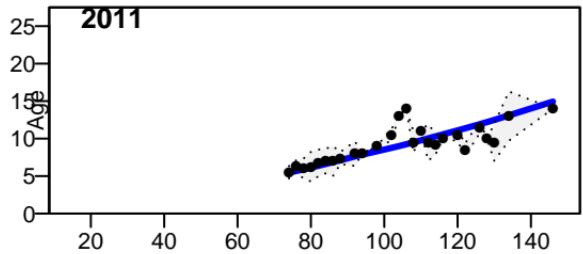
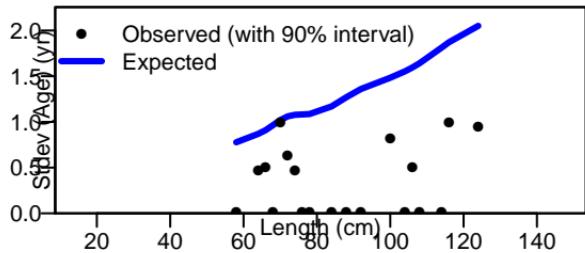
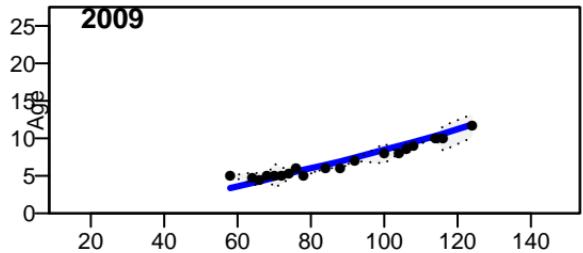


Length (cm)

PS_FR

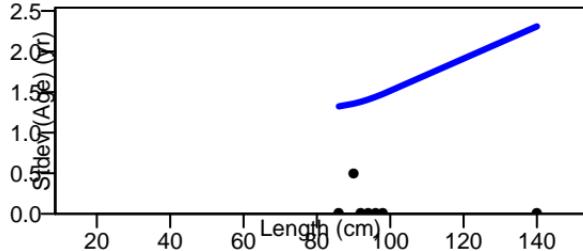
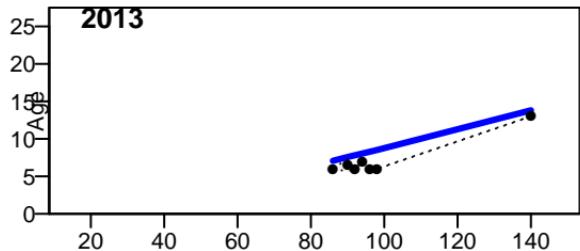
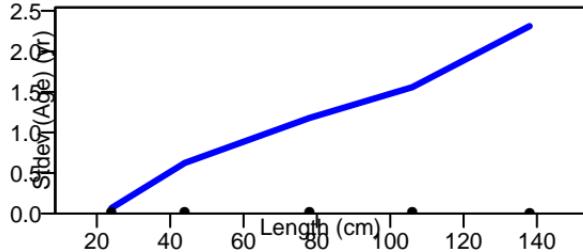
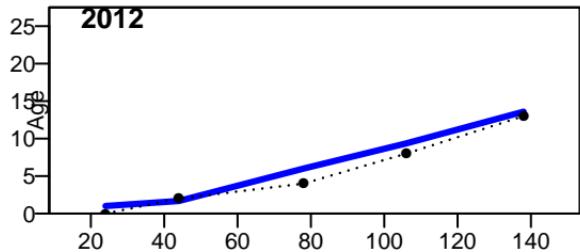
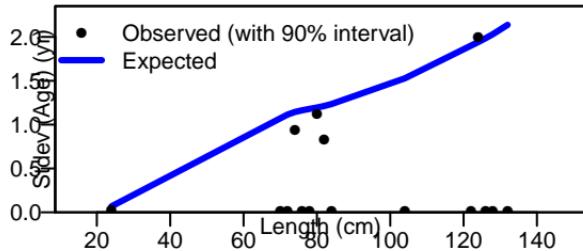
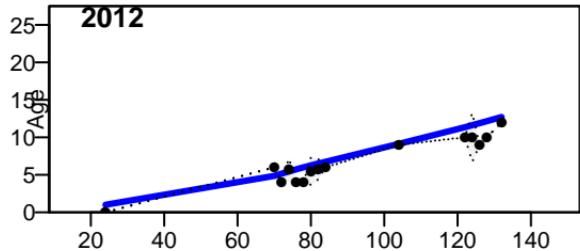


Conditional AAL plot, whole catch, PS_FR



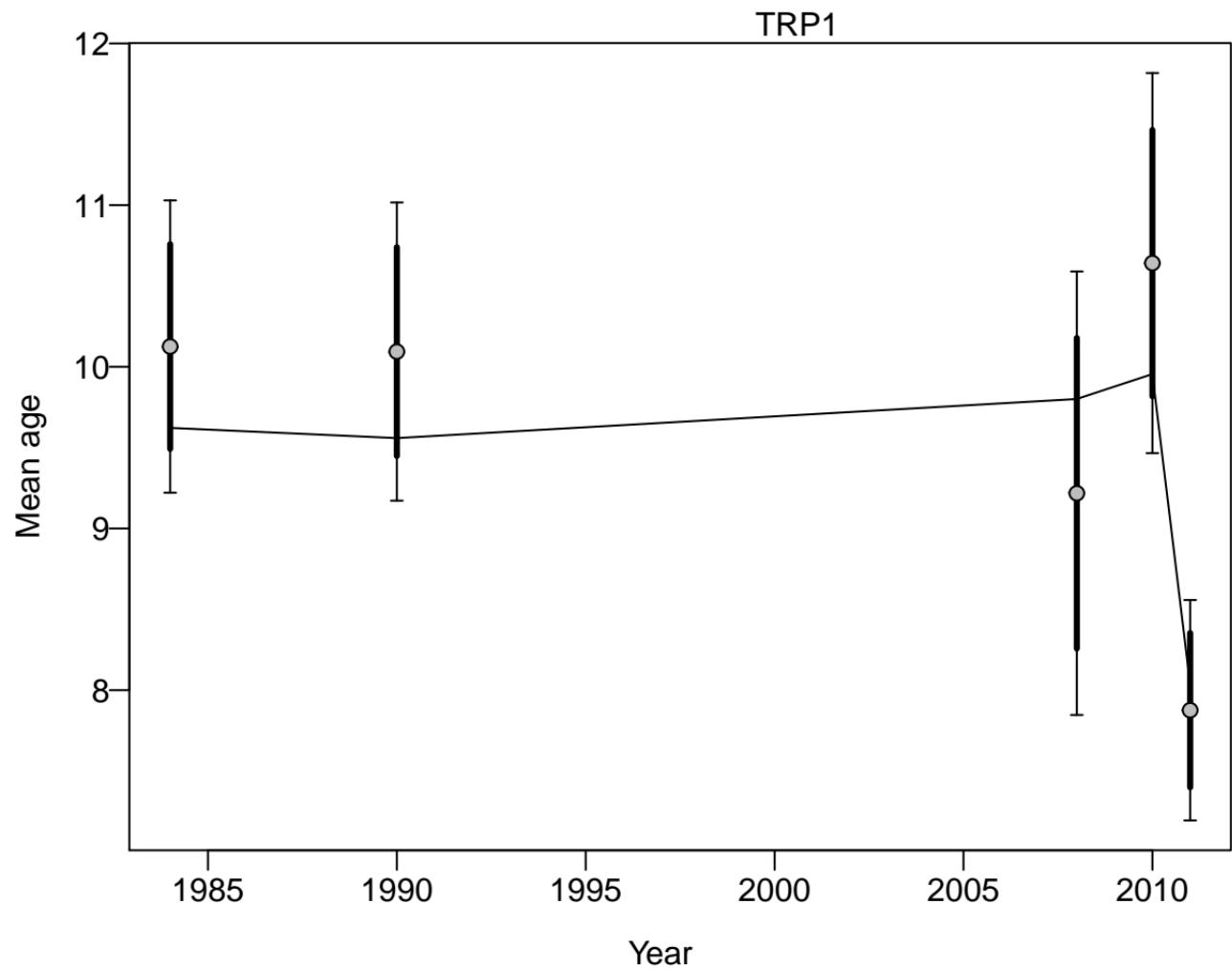
Length (cm)

Conditional AAL plot, whole catch, PS_FR

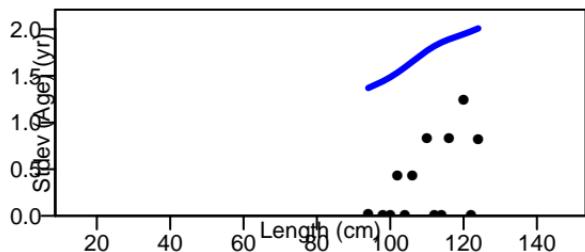
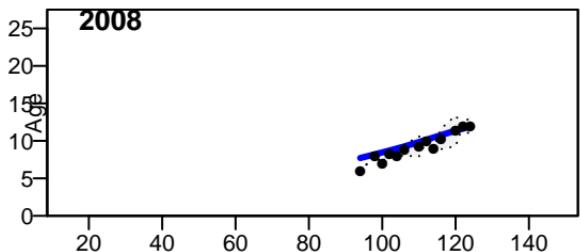
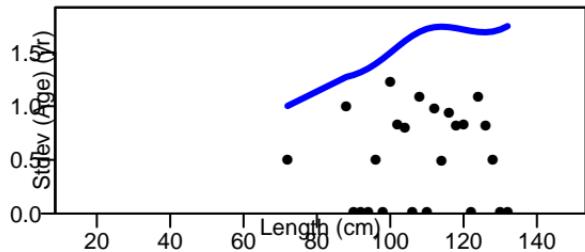
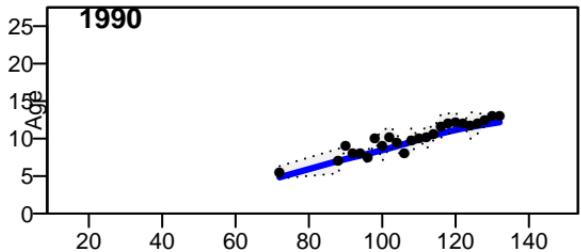
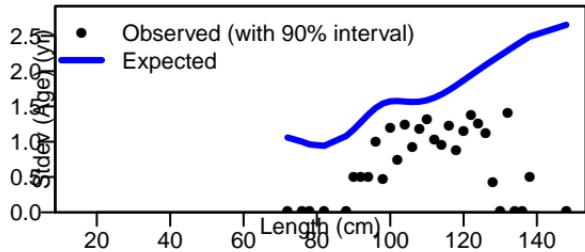
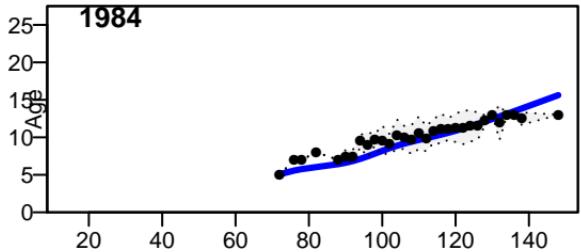


Length (cm)

TRP1

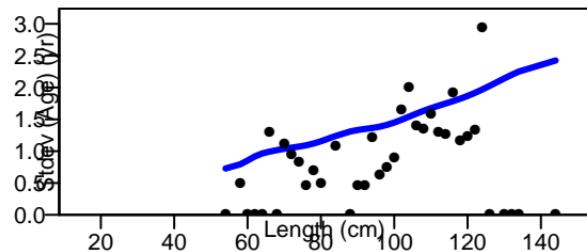
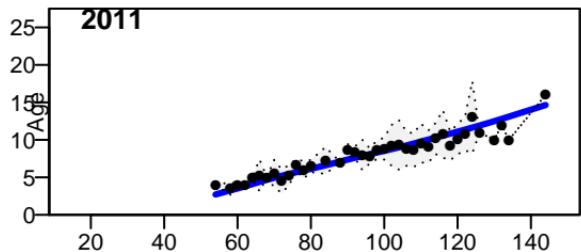
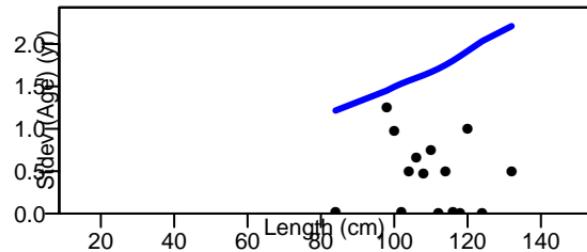
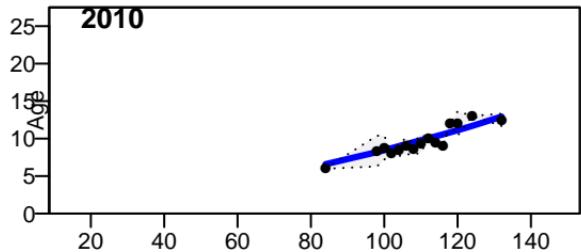
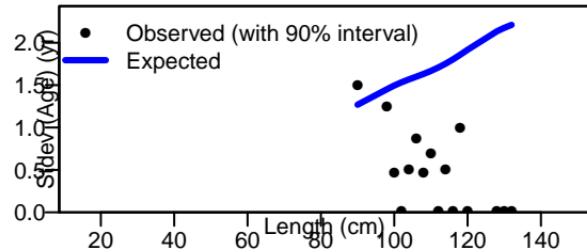
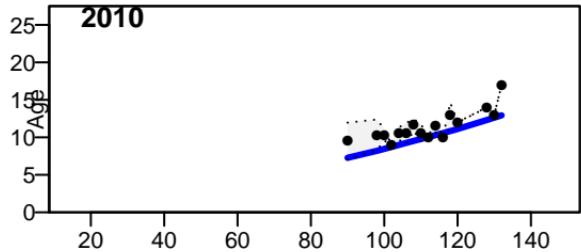


Conditional AAL plot, whole catch, TRP1



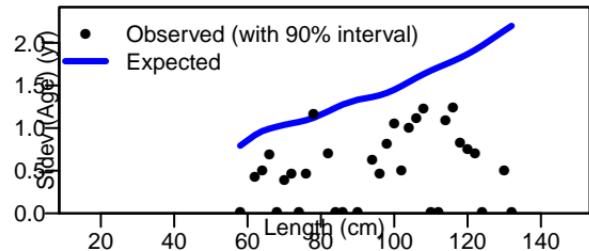
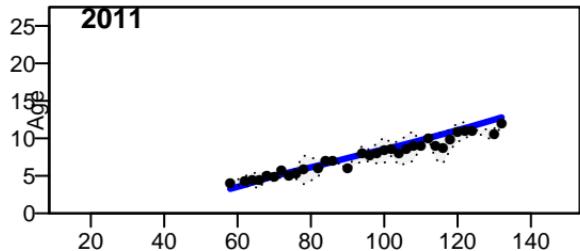
Length (cm)

Conditional AAL plot, whole catch, TRP1



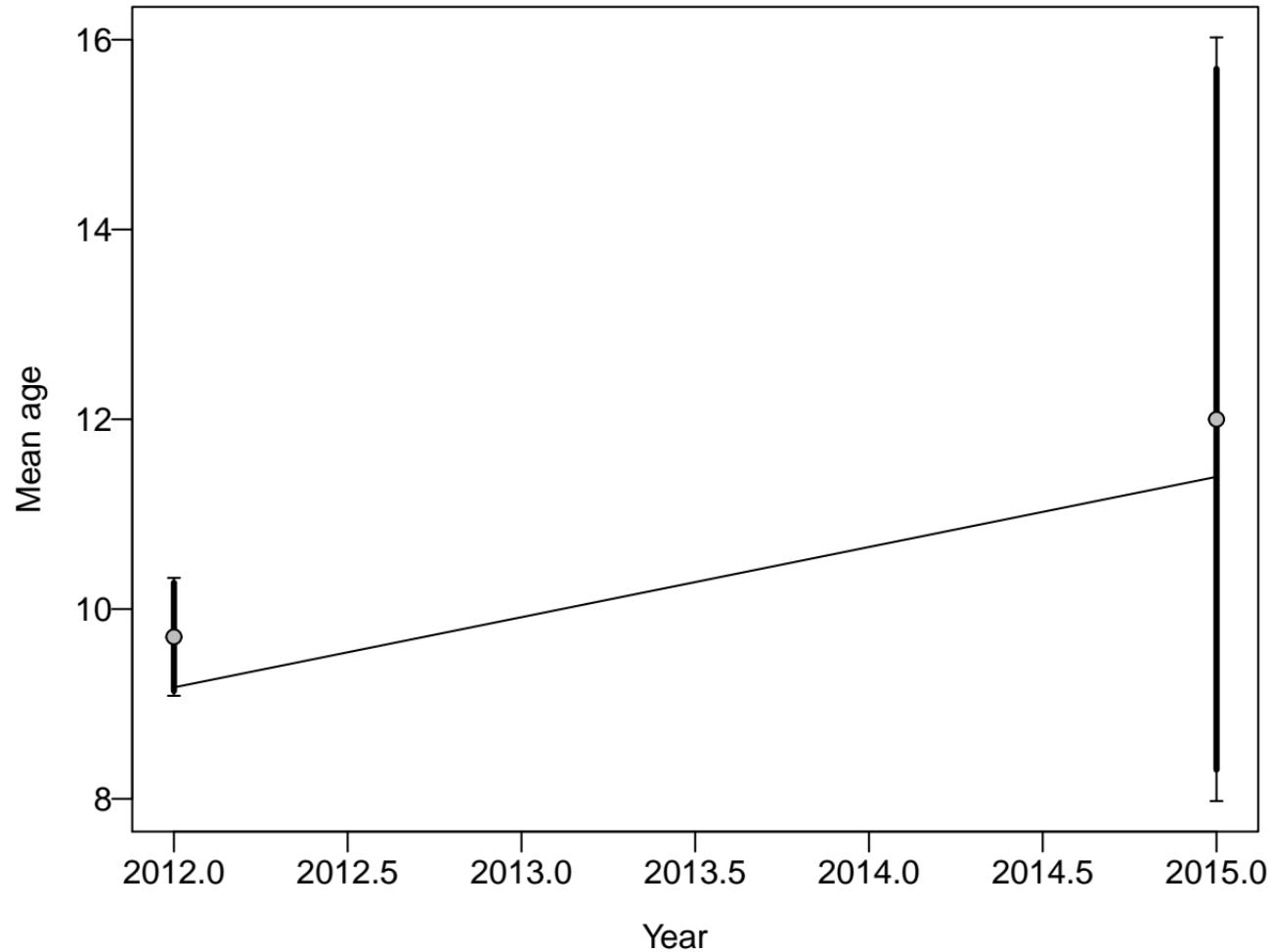
Length (cm)

Conditional AAL plot, whole catch, TRP1

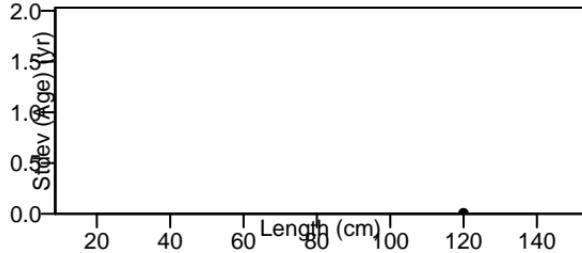
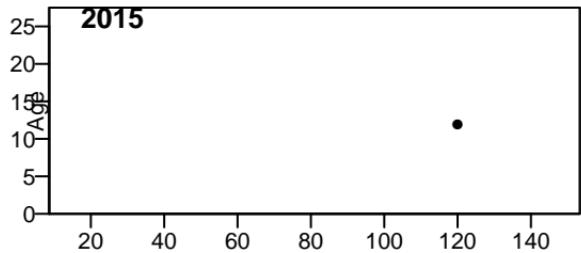
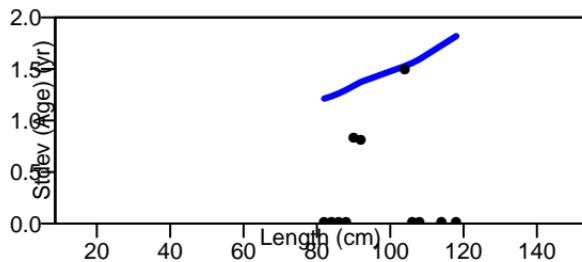
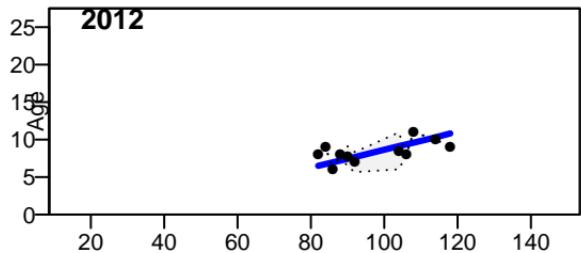
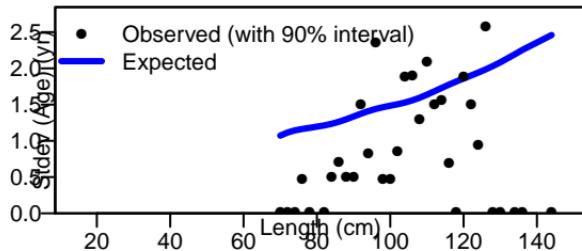
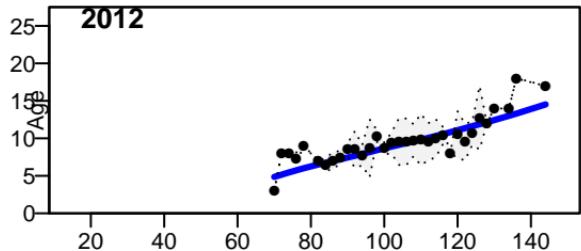


Length (cm)

TRP2

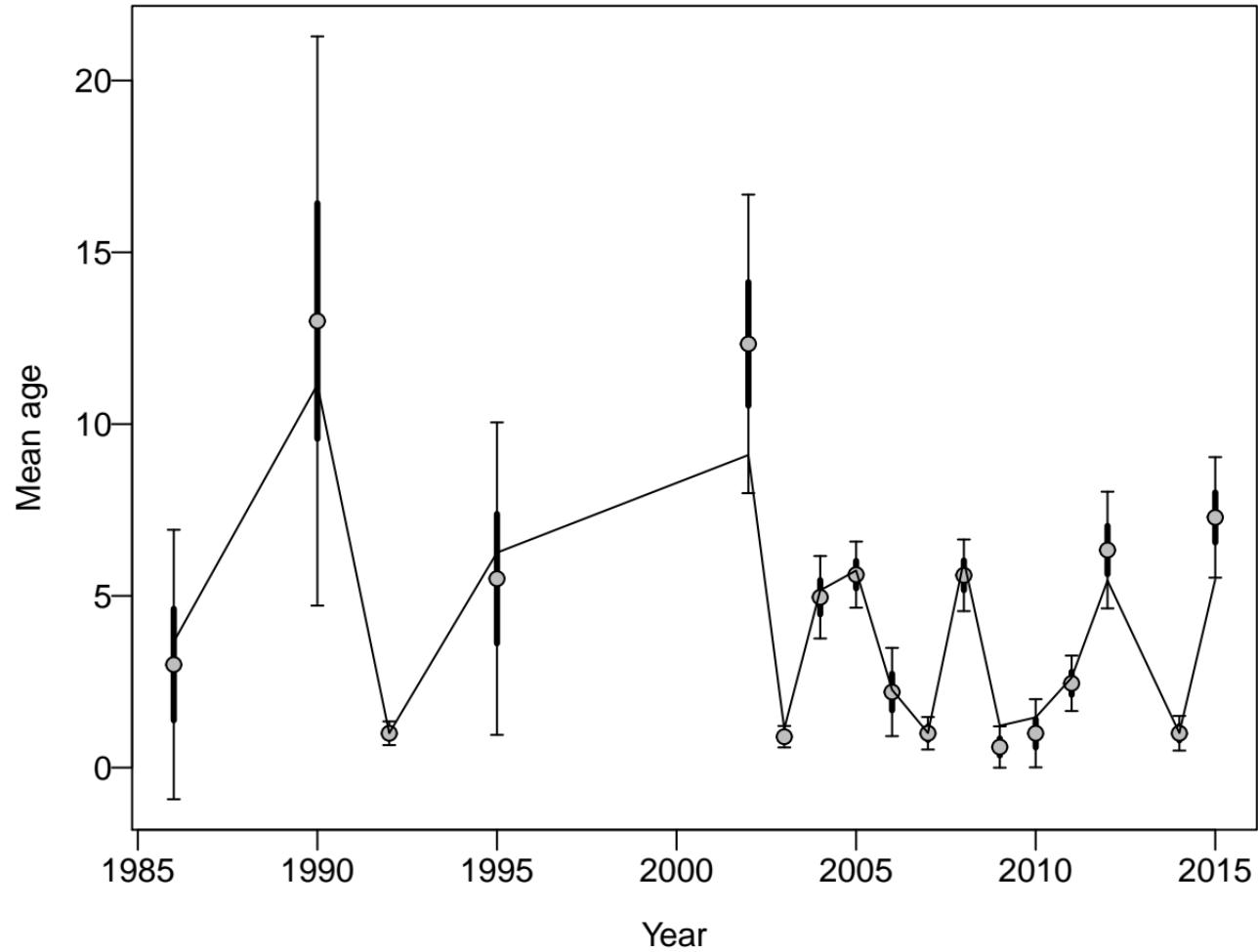


Conditional AAL plot, whole catch, TRP2

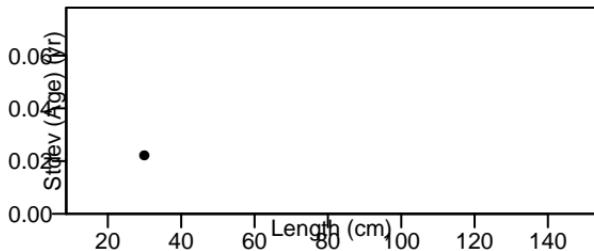
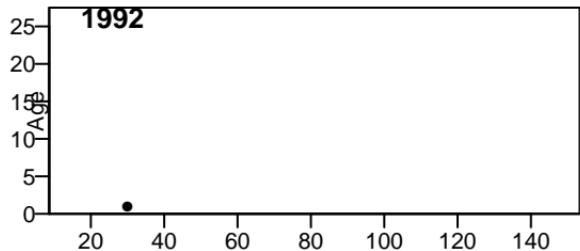
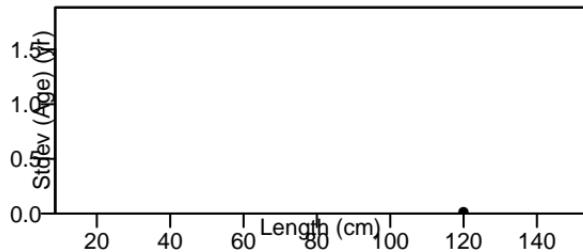
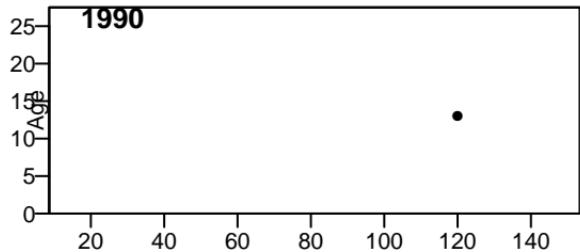
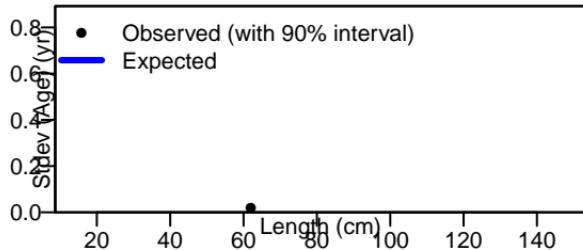
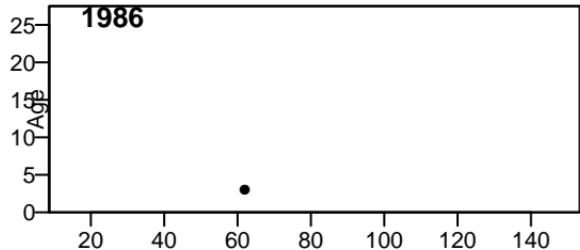


Length (cm)

OTR



Conditional AAL plot, whole catch, OTR

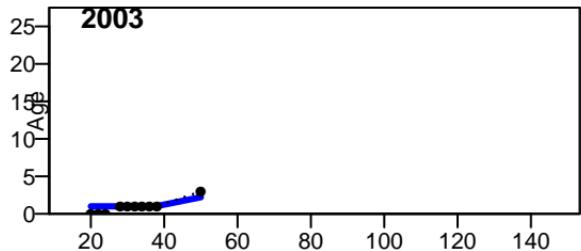
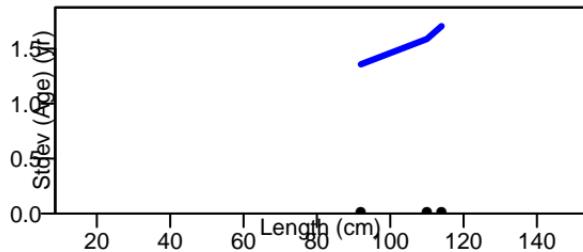
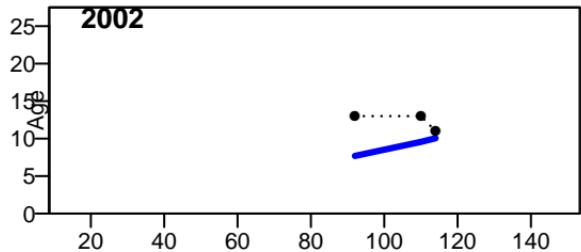
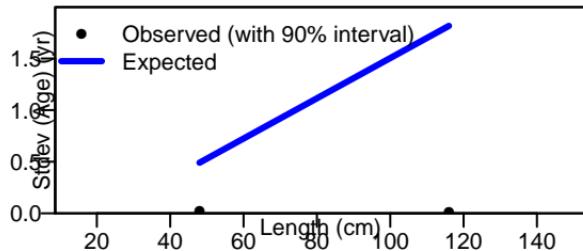
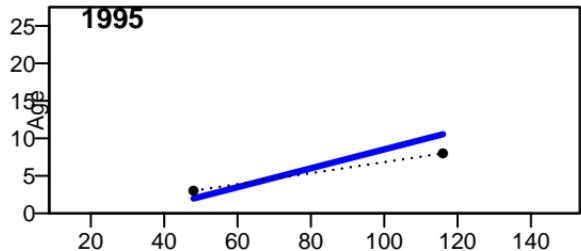


Length (cm)

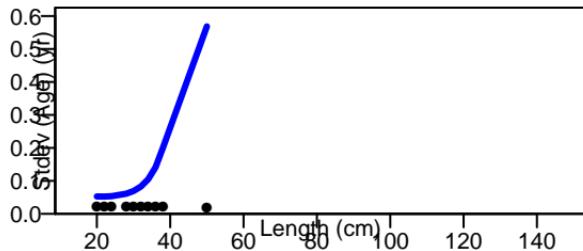
Slope (Age)/Length

● Observed (with 90% interval)
— Expected

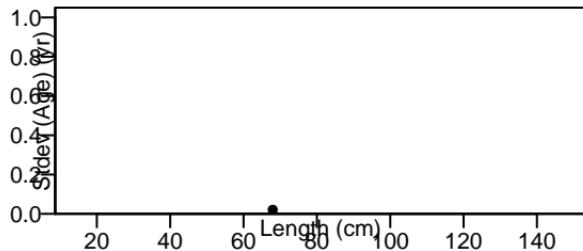
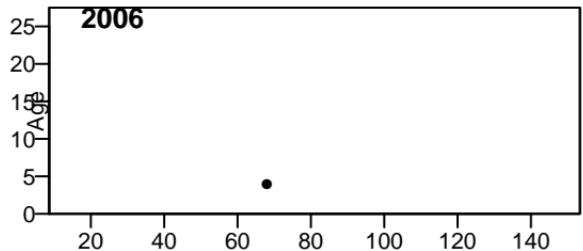
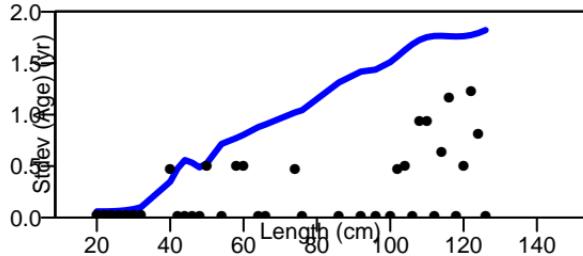
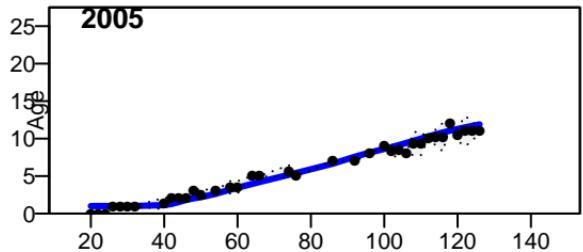
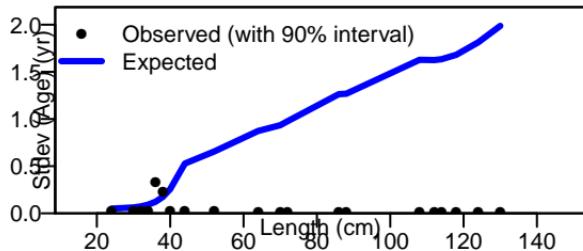
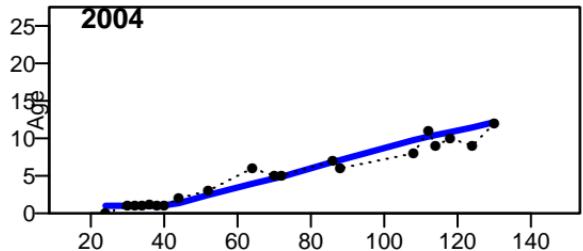
Conditional AAL plot, whole catch, OTR



Length (cm)

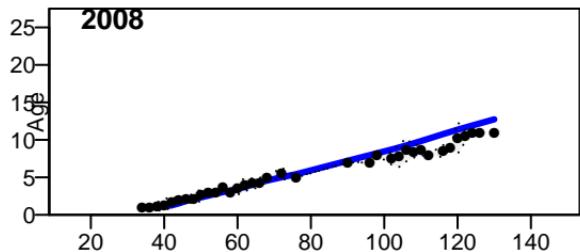
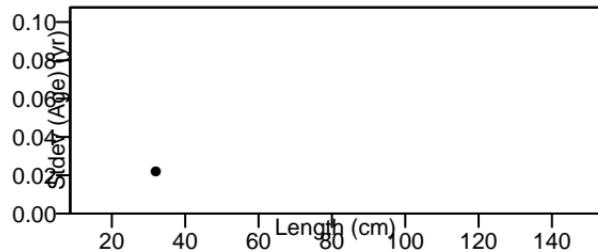
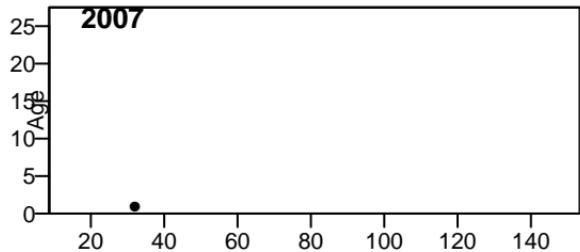
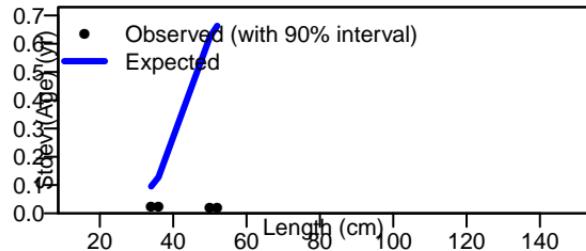
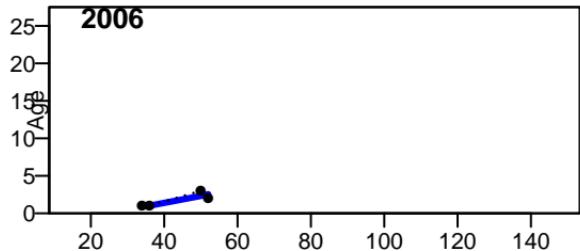


Conditional AAL plot, whole catch, OTR

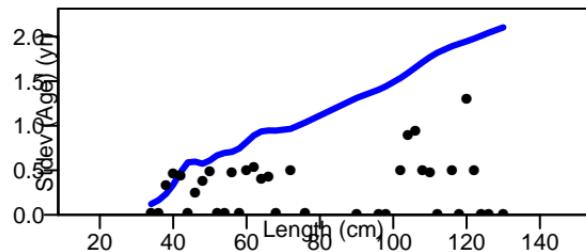


Length (cm)

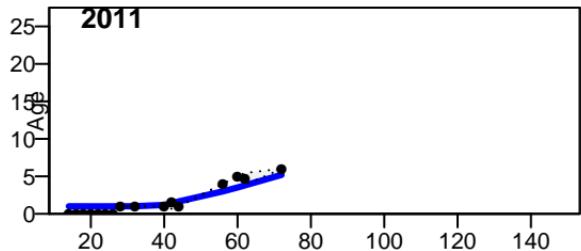
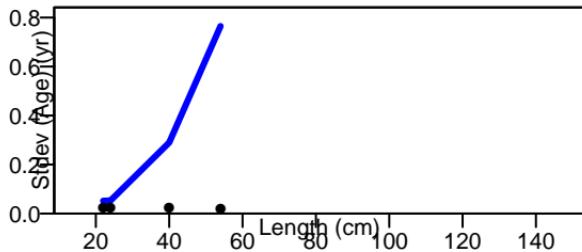
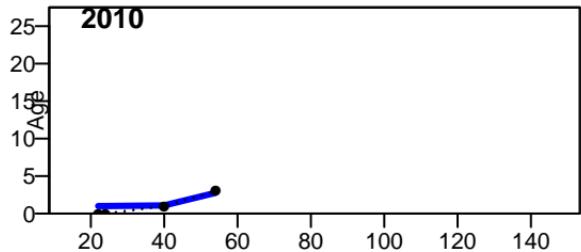
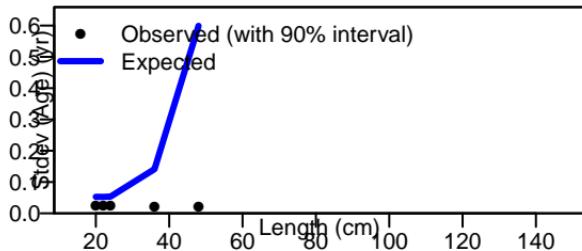
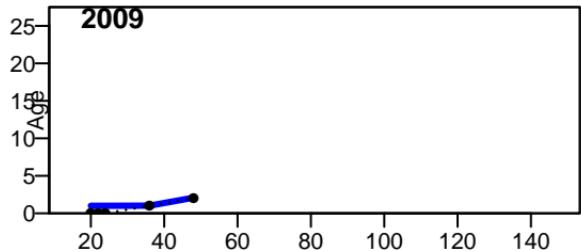
Conditional AAL plot, whole catch, OTR



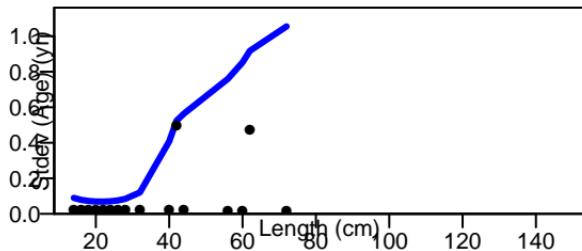
Length (cm)



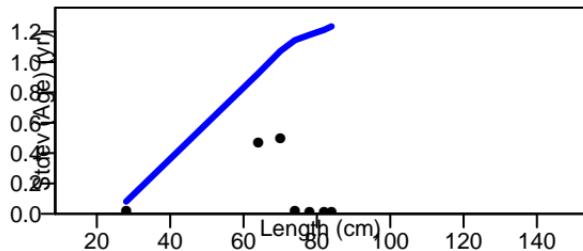
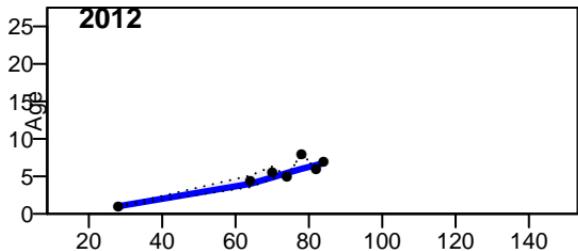
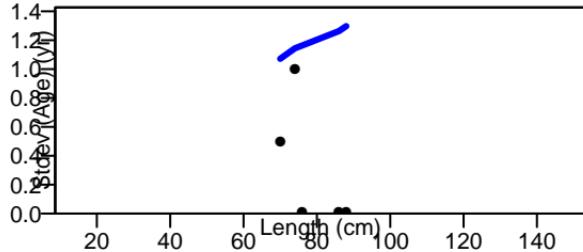
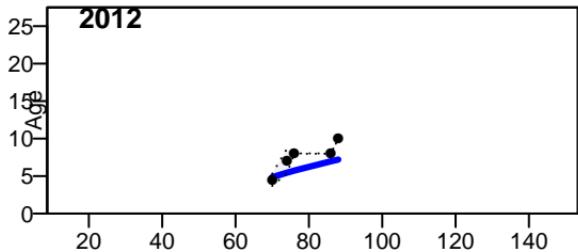
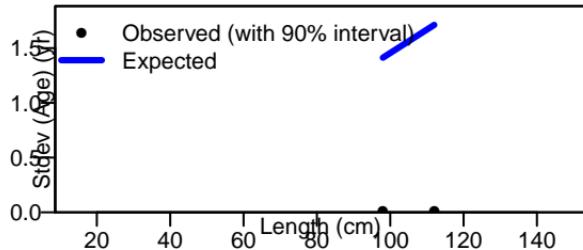
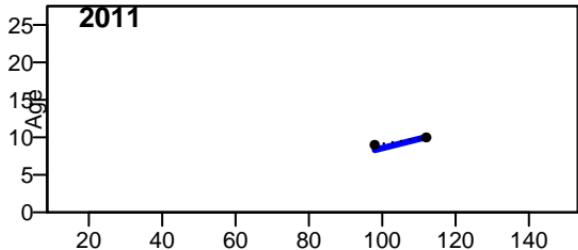
Conditional AAL plot, whole catch, OTR



Length (cm)

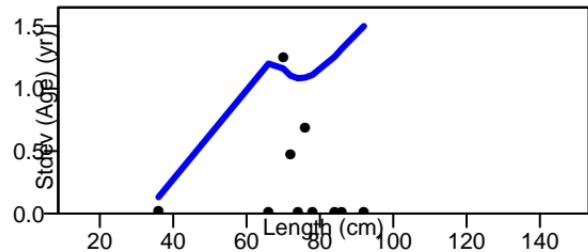
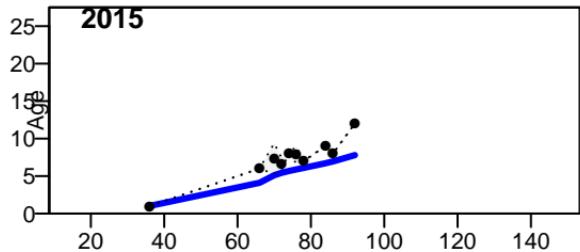
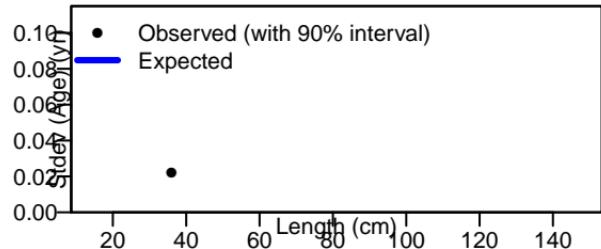
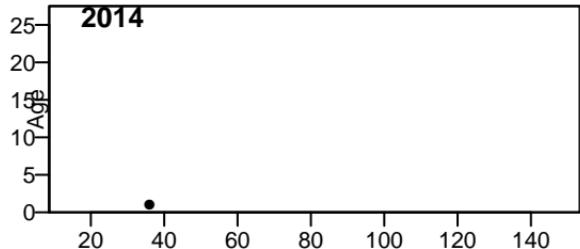


Conditional AAL plot, whole catch, OTR

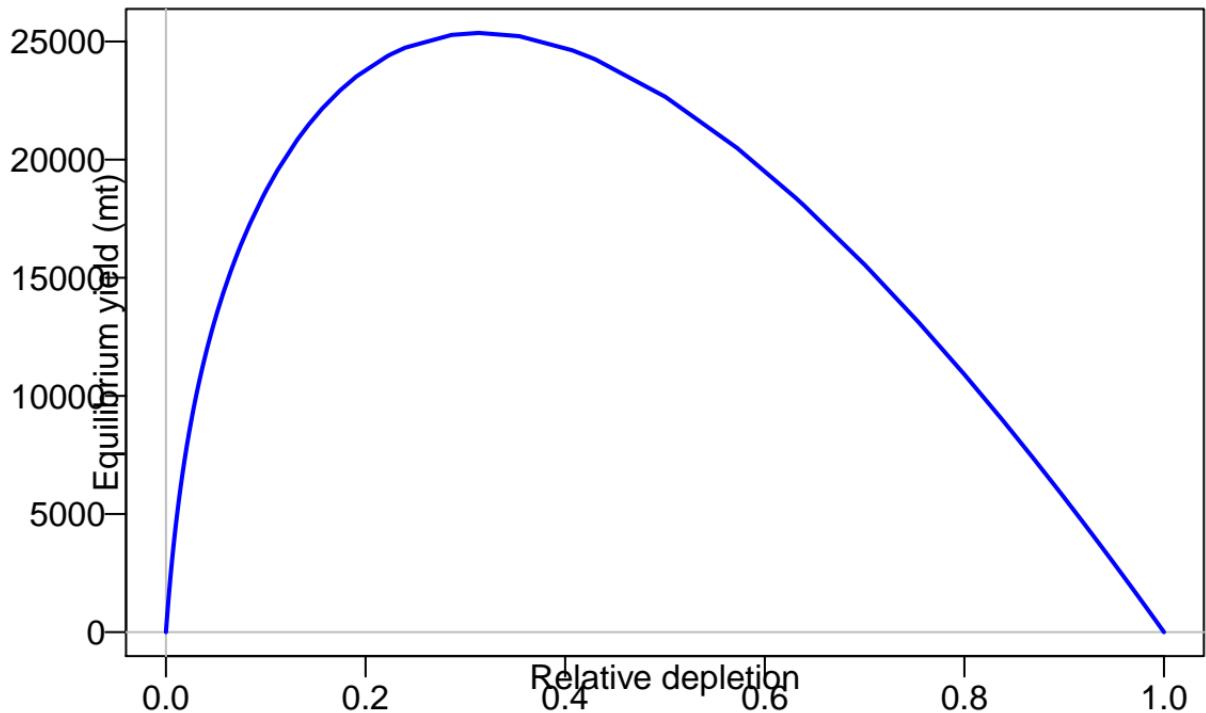


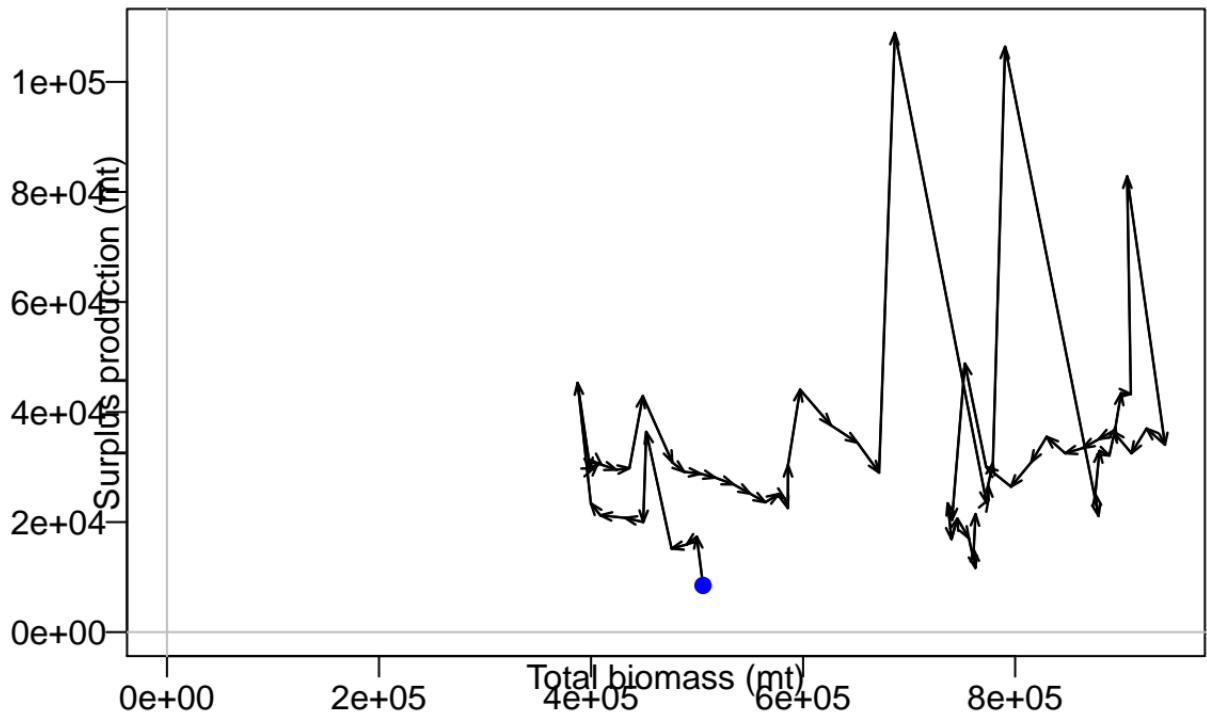
Length (cm)

Conditional AAL plot, whole catch, OTR

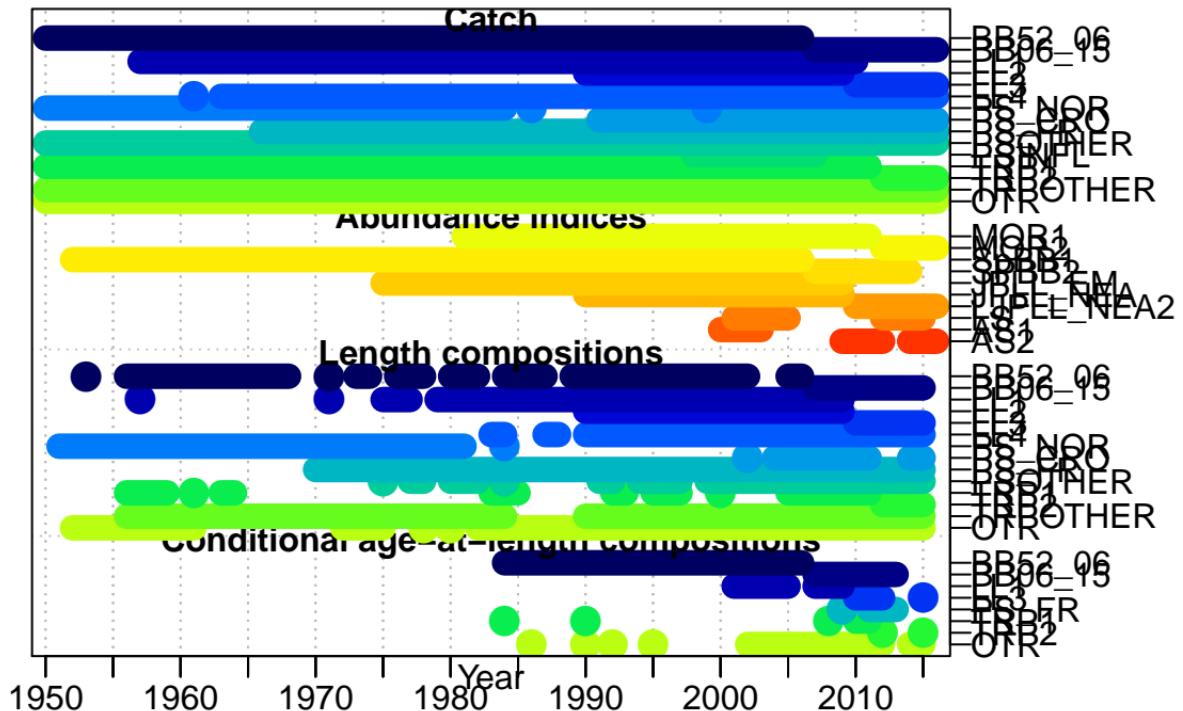


Length (cm)





Data by type and year



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

