

Ch 2 Plots

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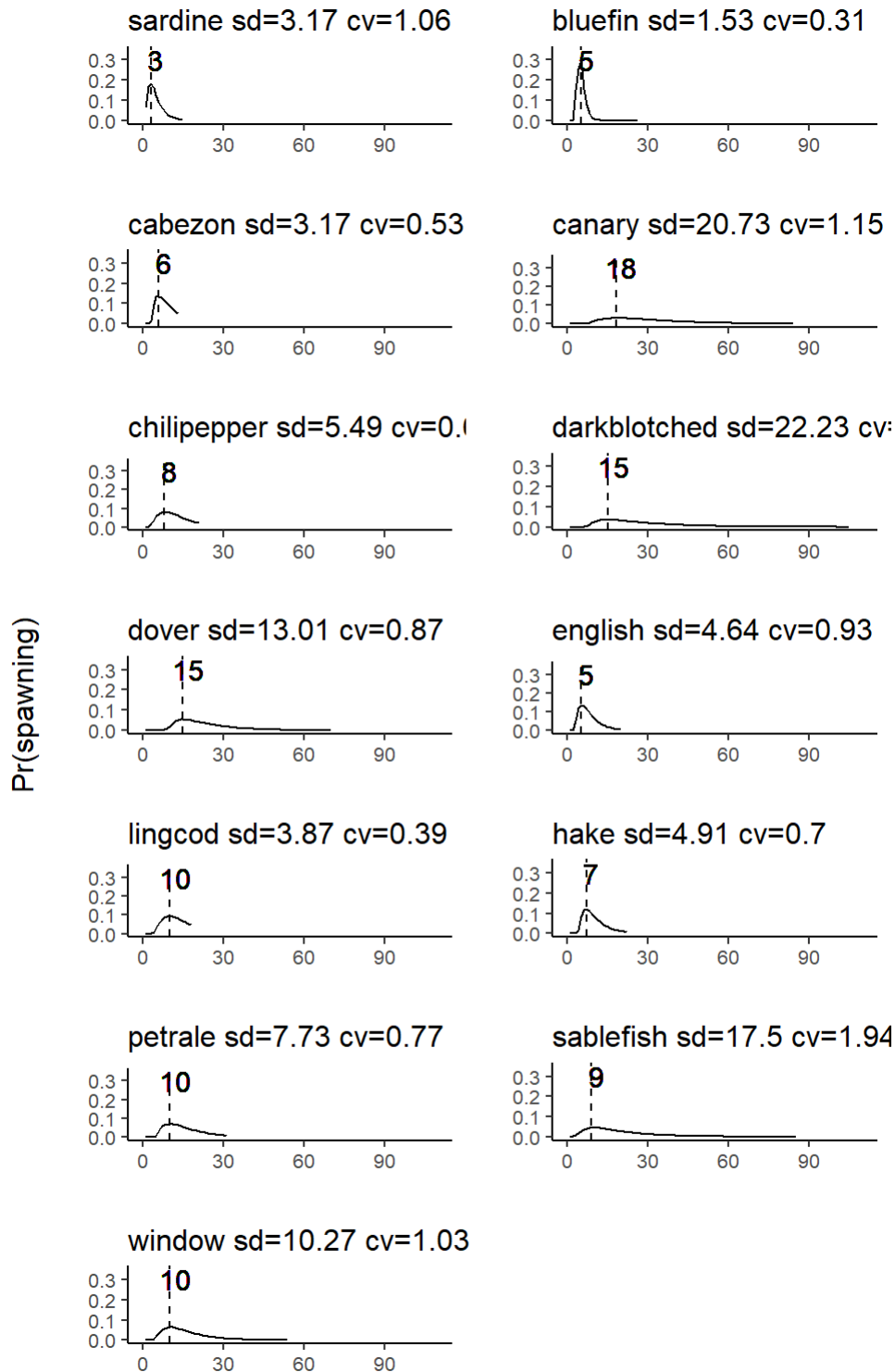


Figure 1. Distribution of spawning biomass over age. Dashed line and number indicate peak spawning age, standard deviation and coefficient of variation are listed at the top of each subplot. Distributions are probability of spawning at age: $\text{LEP-at-age}/\text{total LEP}$, where LEP-at-age is a function of egg production at age, probability of

being mature, and survival from age 1 to age a.

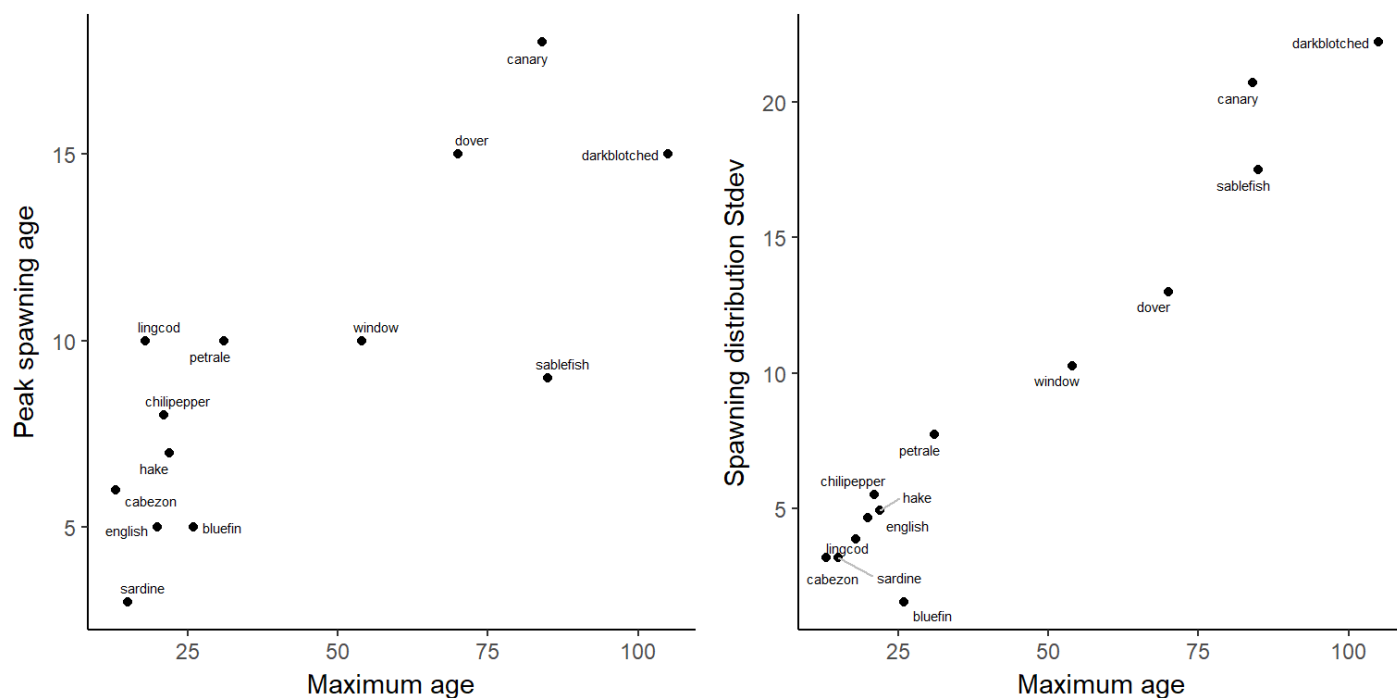


Figure 2. The relationship between (a) peak spawning age and maximum age, and (b) standard deviation of the spawning biomass distribution and maximum age.

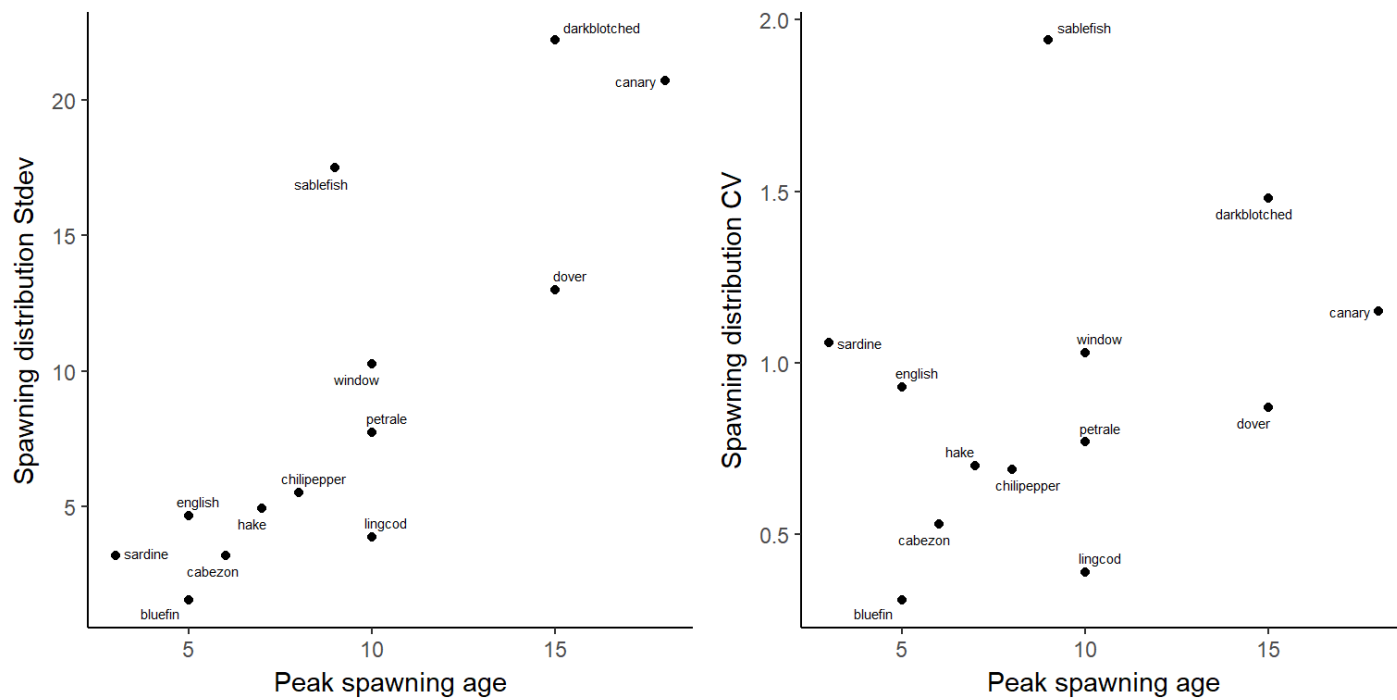


Figure 3. (a) Standard deviation of spawning distribution vs peak spawning age. (b) Spawning distribution CV vs peak spawning age.

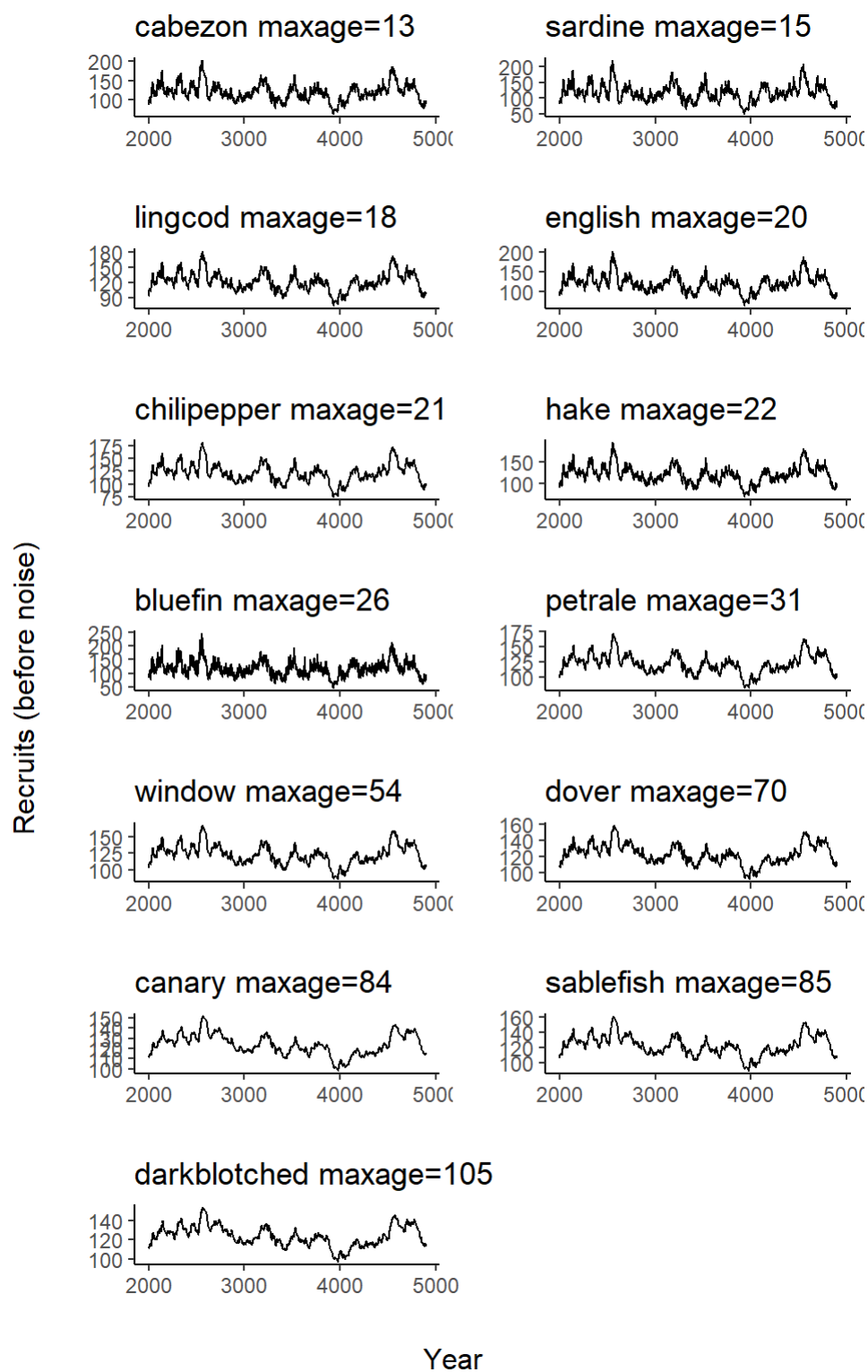


Figure 4. Time series of recruits before noise for PFMC species. No fishing is included in simulations. Lifetime egg production and recruitment variation is made constant for all species ($LEP=1.1$, $\sigma_R=0.3$).

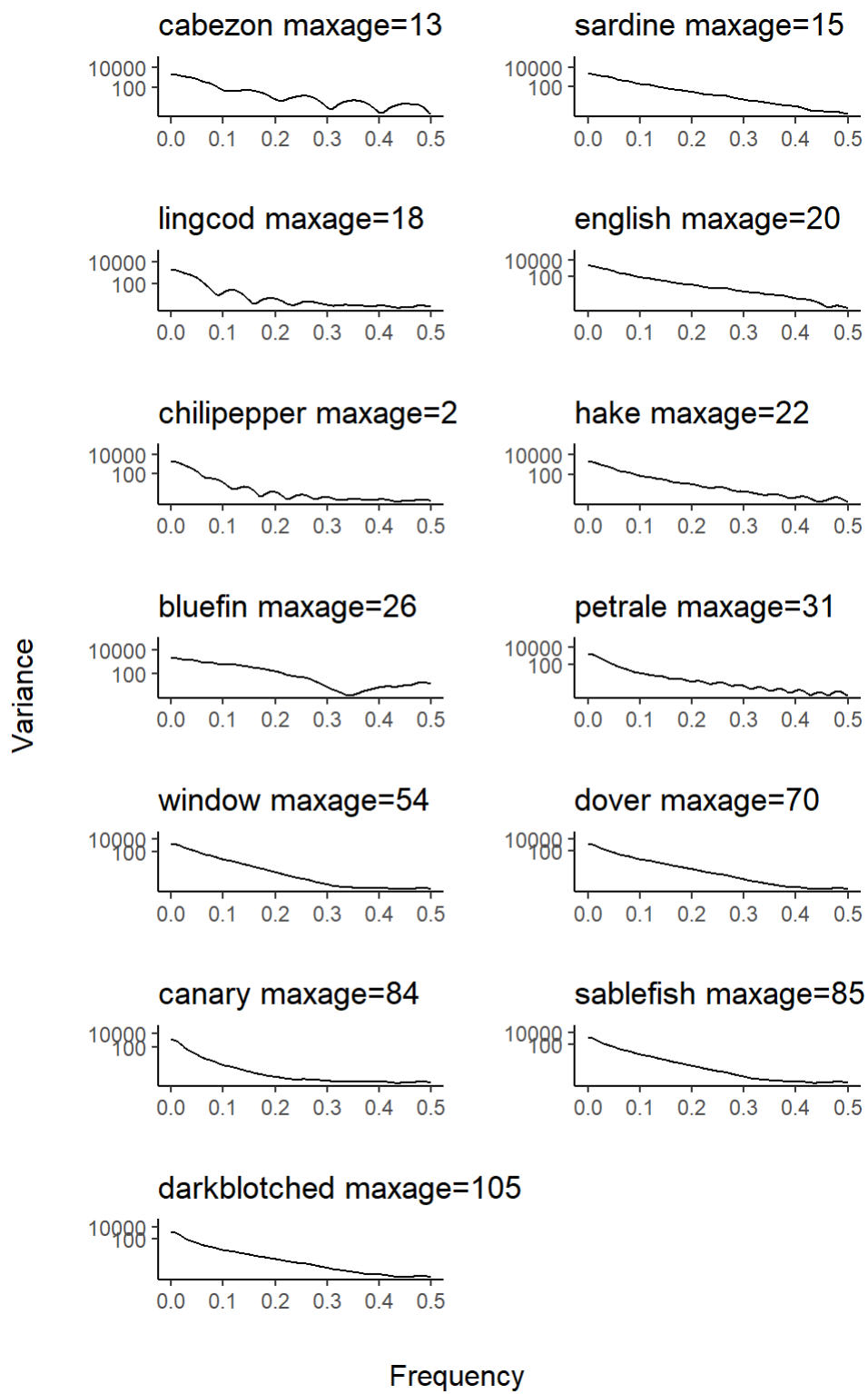


Figure 5. Spectra of recruitment time series. Smoother is 55 years.

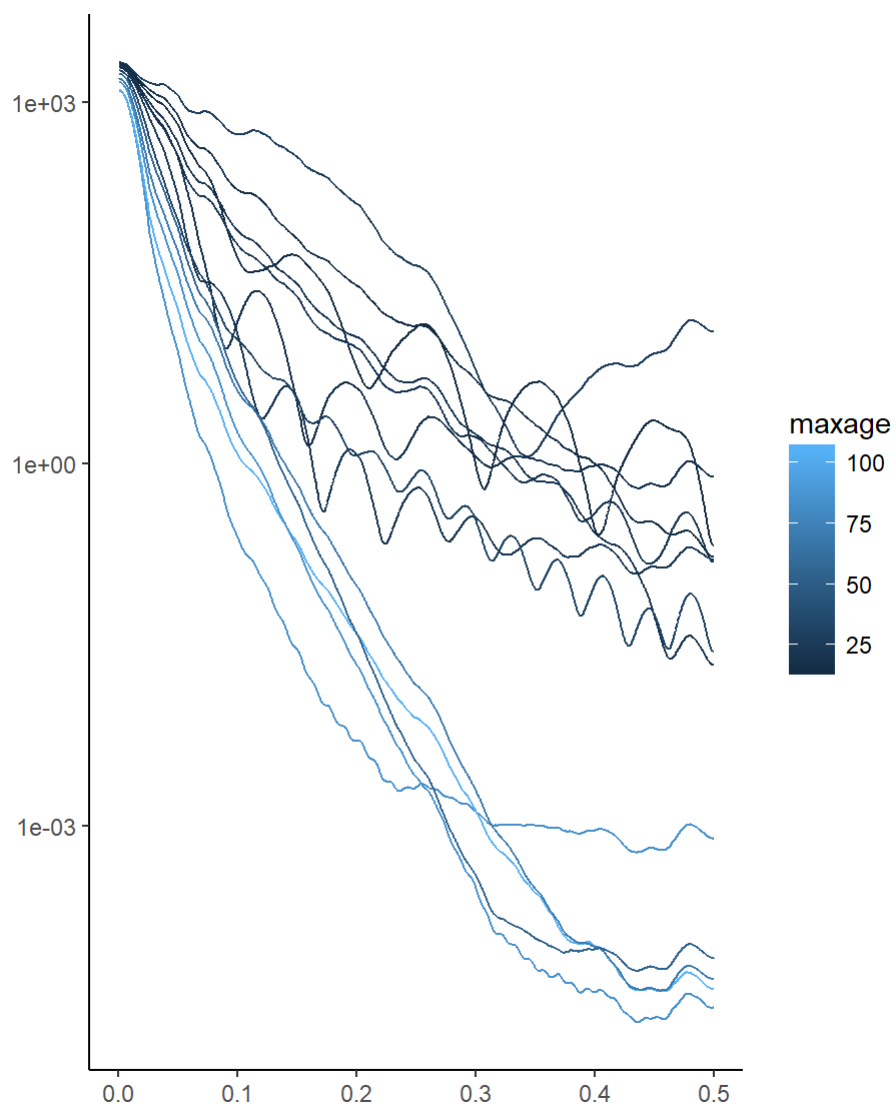


Figure 6. Spectra of recruitment time series. Color indicates species maximum age. Smoother is 55 years.

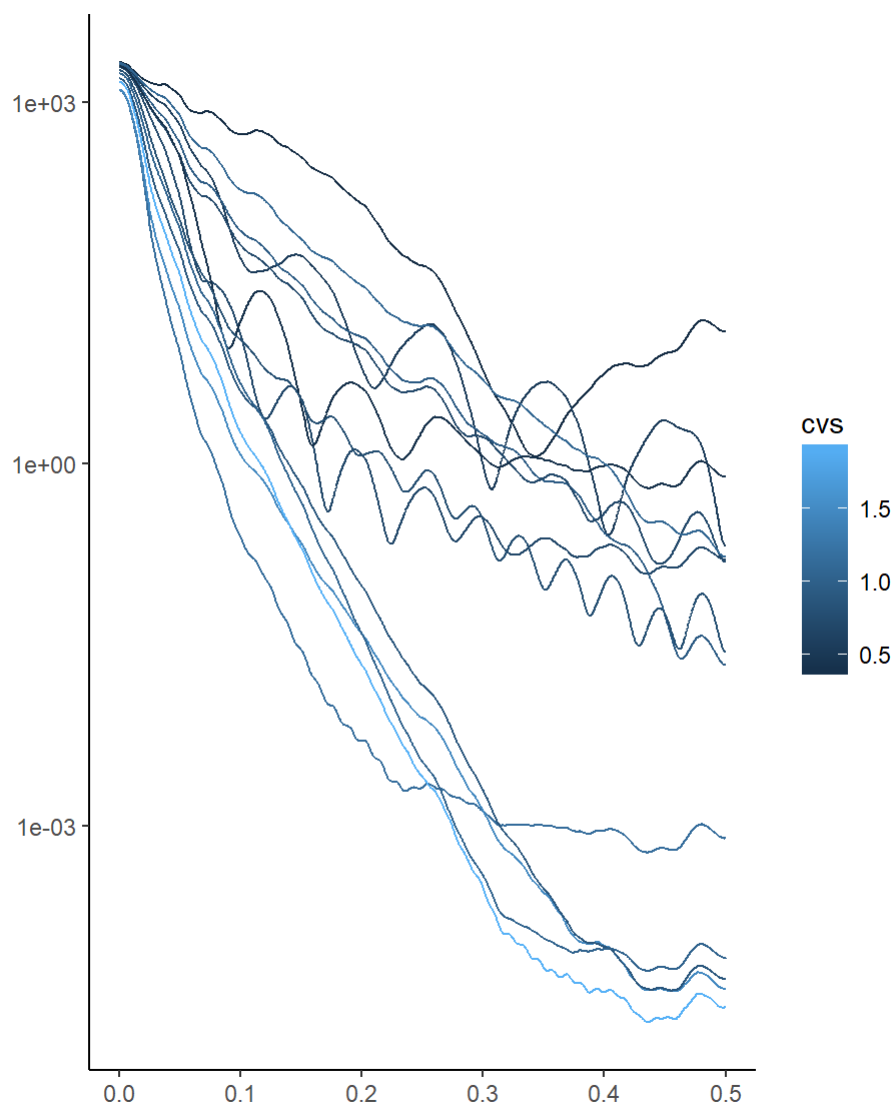


Figure 7. Spectra of recruitment time series. Color indicates spawning distribution CV. Smoother is 55 years.

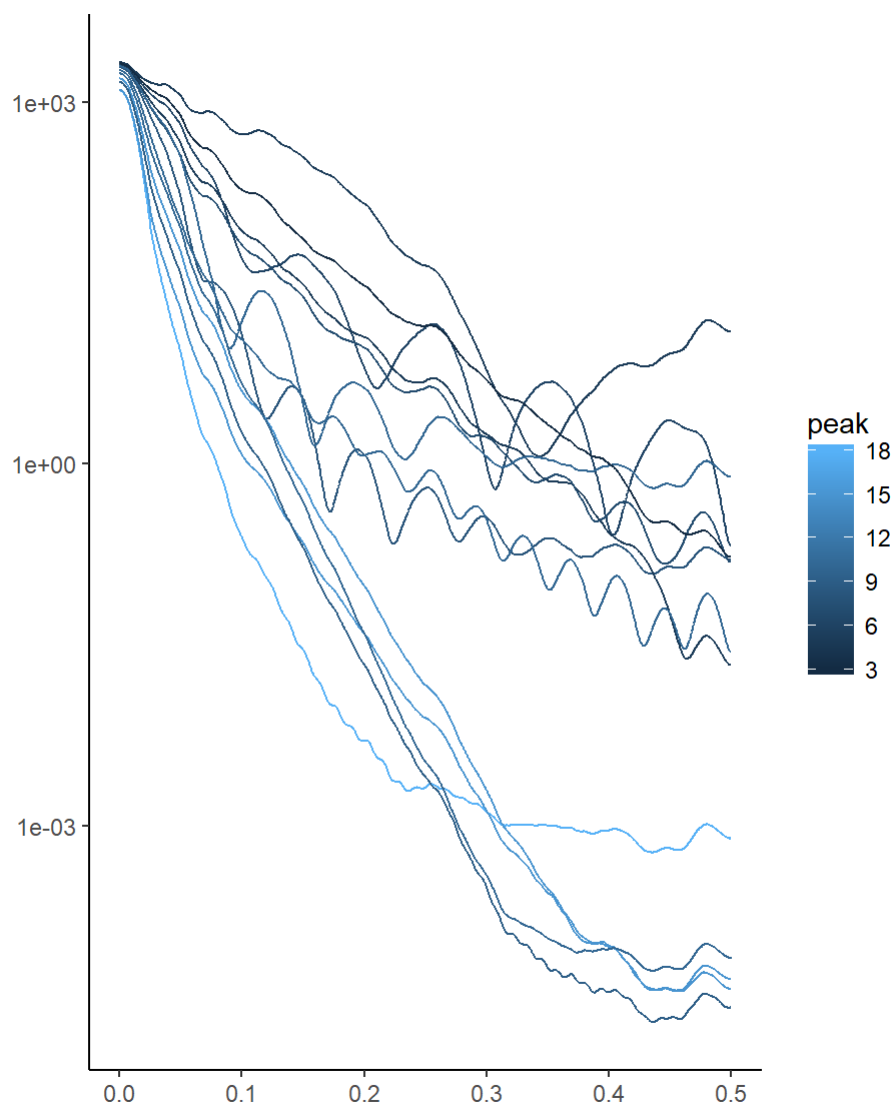


Figure 8. Spectra of recruitment time series. Color indicates species peak spawning age. Smoother is 55 years.

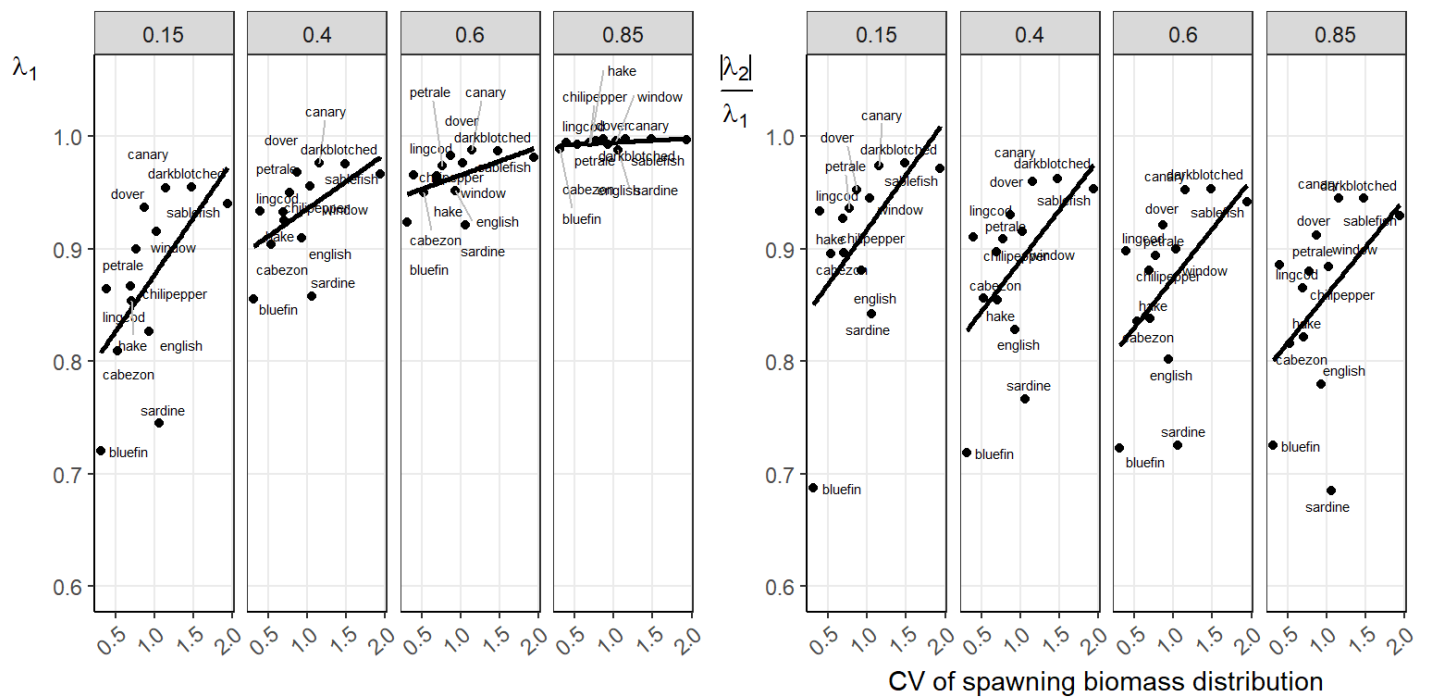


Figure 9. (a) The relationship between Lambda 1 and (b) the inverse of the damping ratio (1/DR) with spawning biomass distribution CV.