

Evaluation of Black-, Grey- and White-Box Controllers

Operating Model Conditioning

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Operating model to simulate 4 contrasting stocks

- Atlantic bigeye tuna
- Thornback Ray
- Sprat
- Plaice

Life history parameters

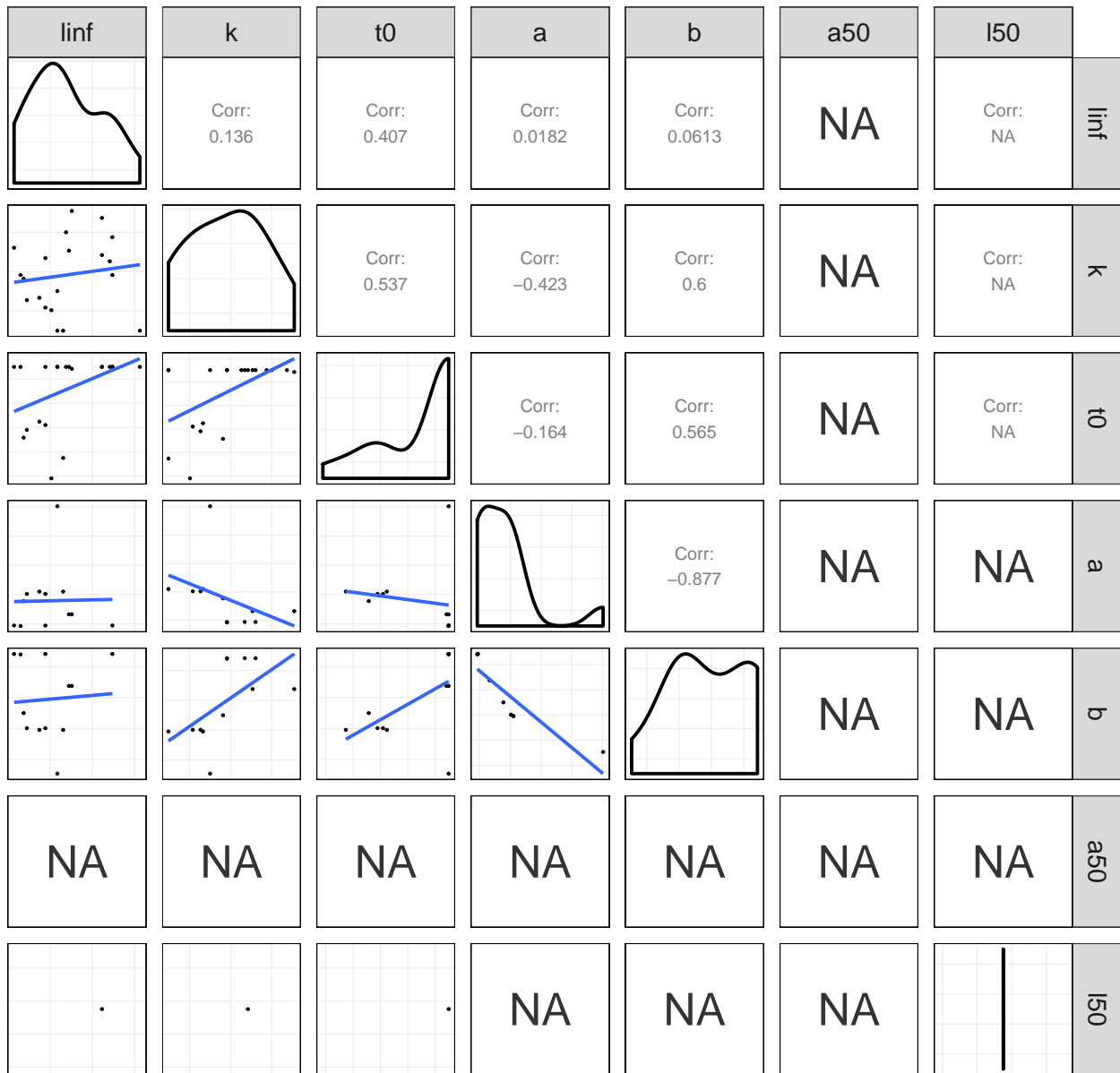


Figure 1 Pairwise scatter plots of sprat life history parameters.

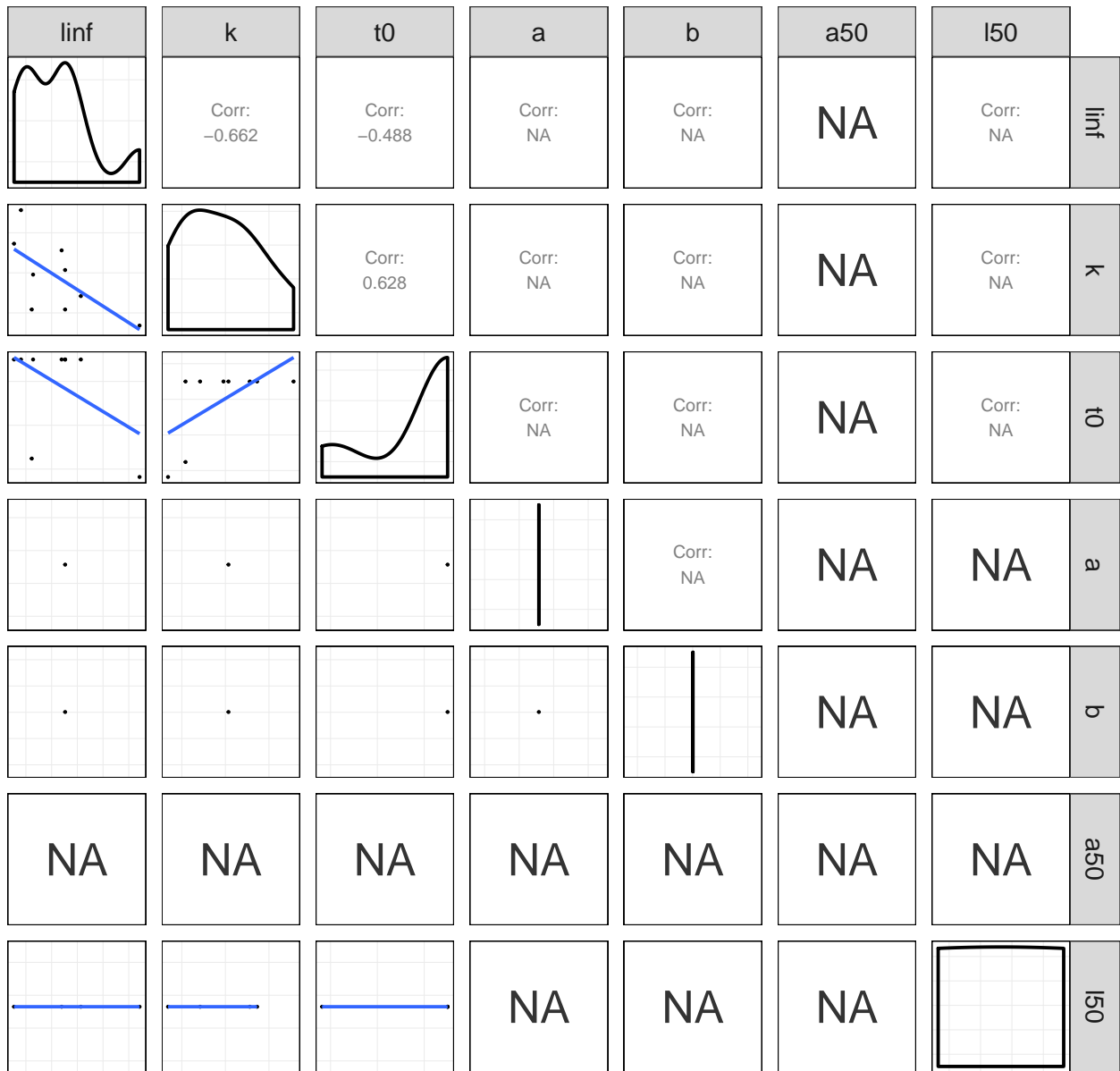


Figure 2 Pairwise scatter plots of bigeye life history parameters.

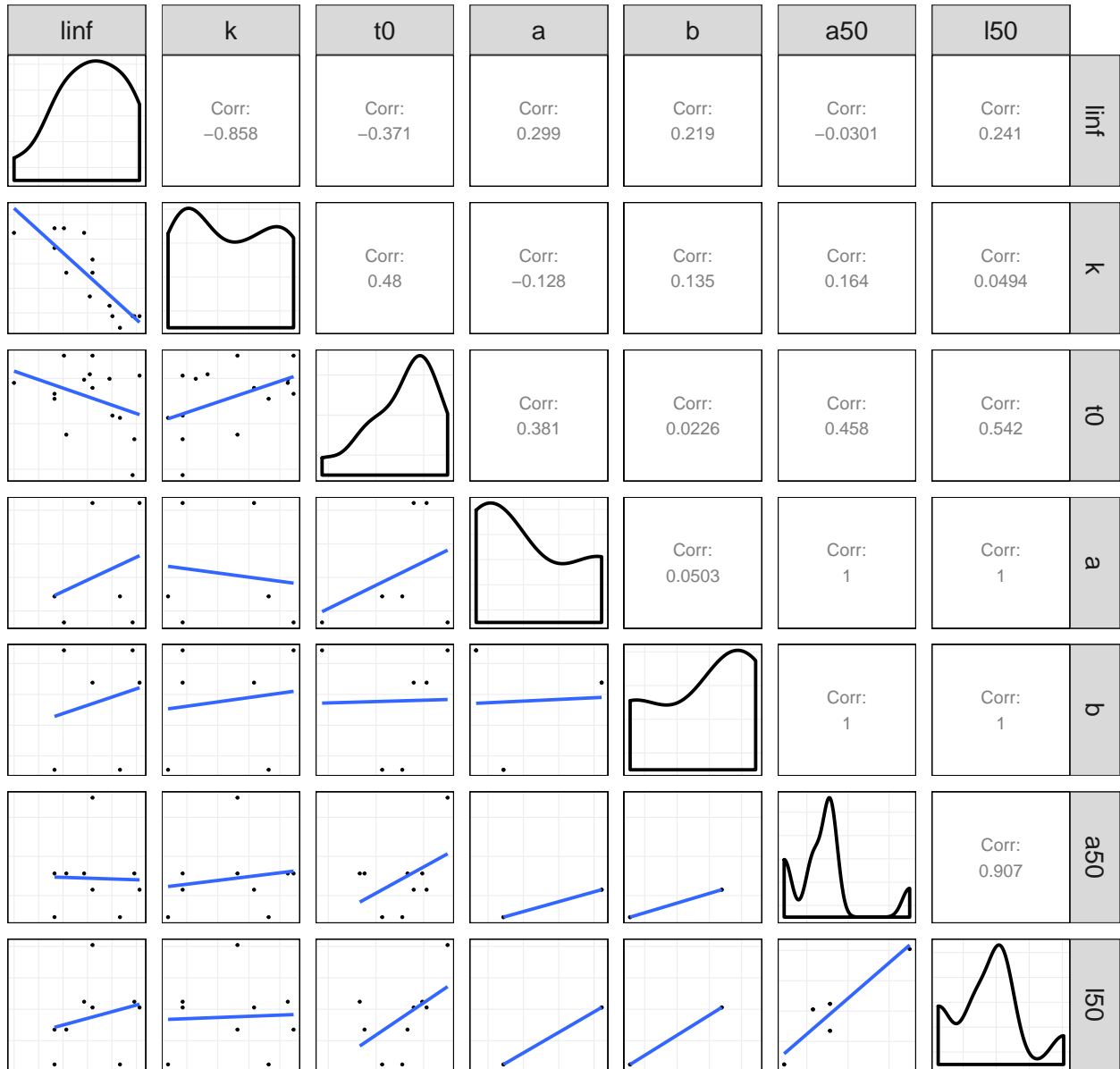


Figure 3 Pairwise scatter plots of thornback ray life history parameters.

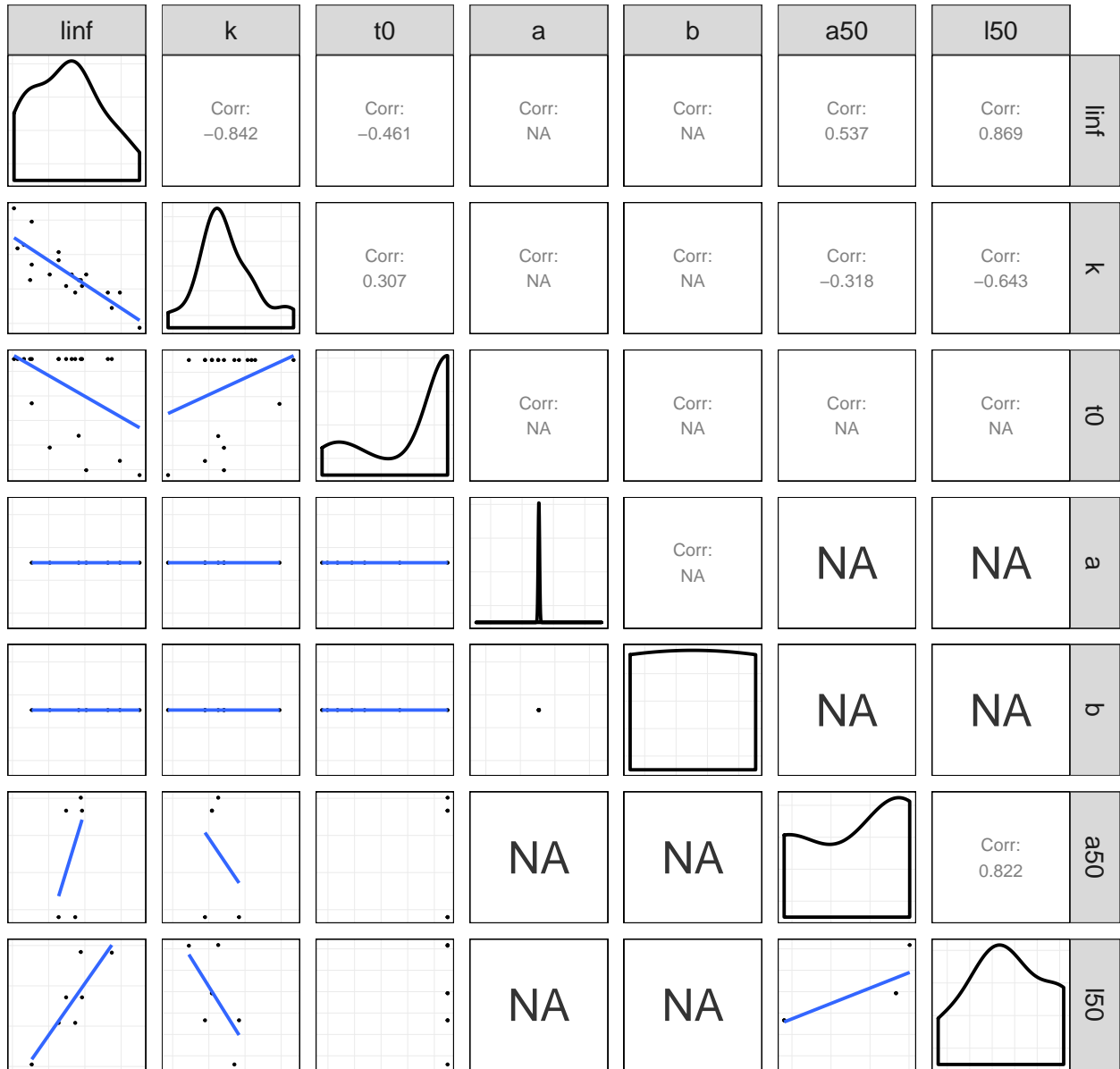


Figure 4 Pairwise scatter plots of plaice life history parameters.

Equilibrium dynamics

The parameters are then used by `1hEq1` to simulate the equilibrium dynamics by combining the spawner/yield per recruit relationships with a stock recruitment relationship.

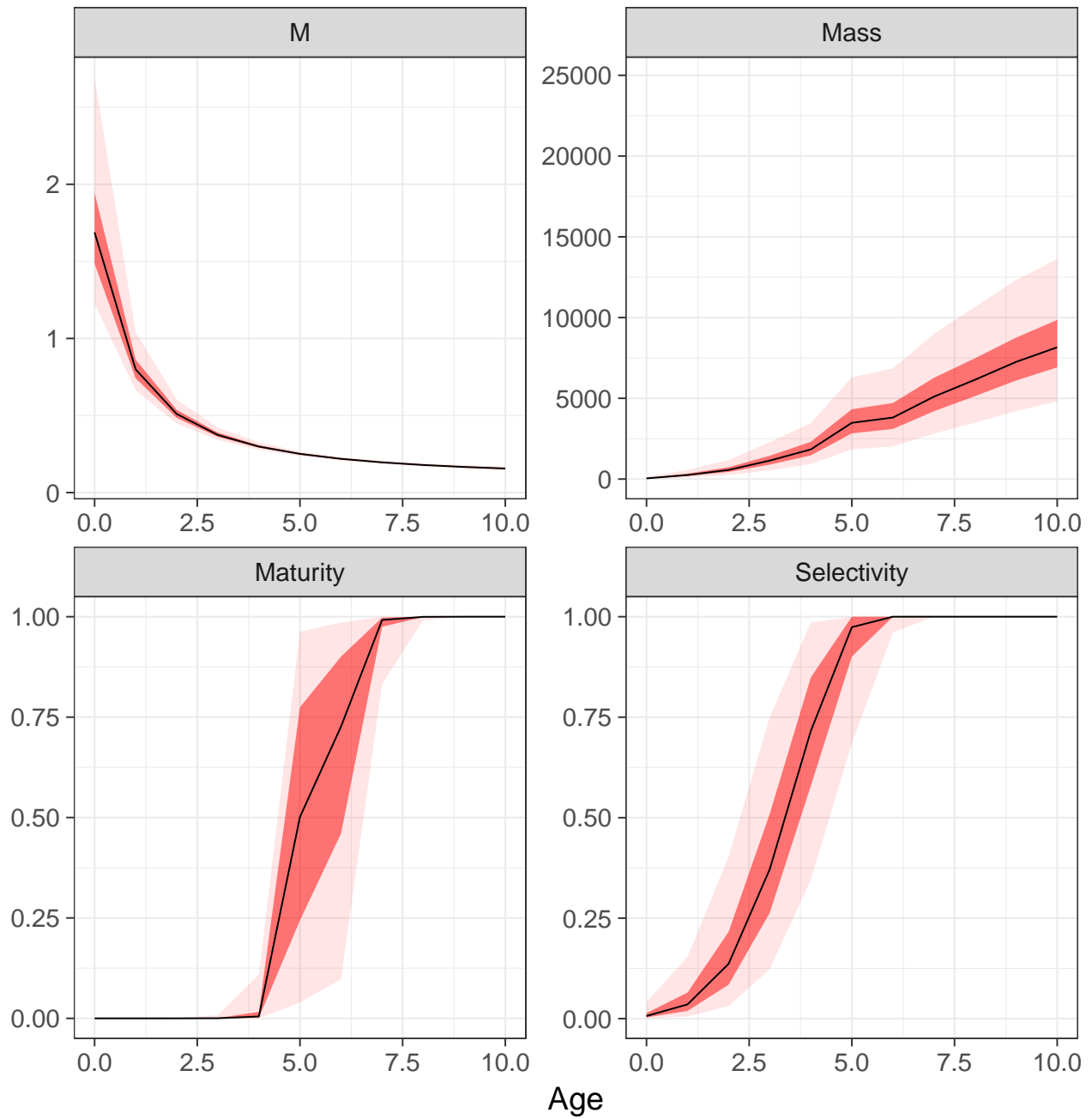


Figure 5 Vectors for thornback ray.

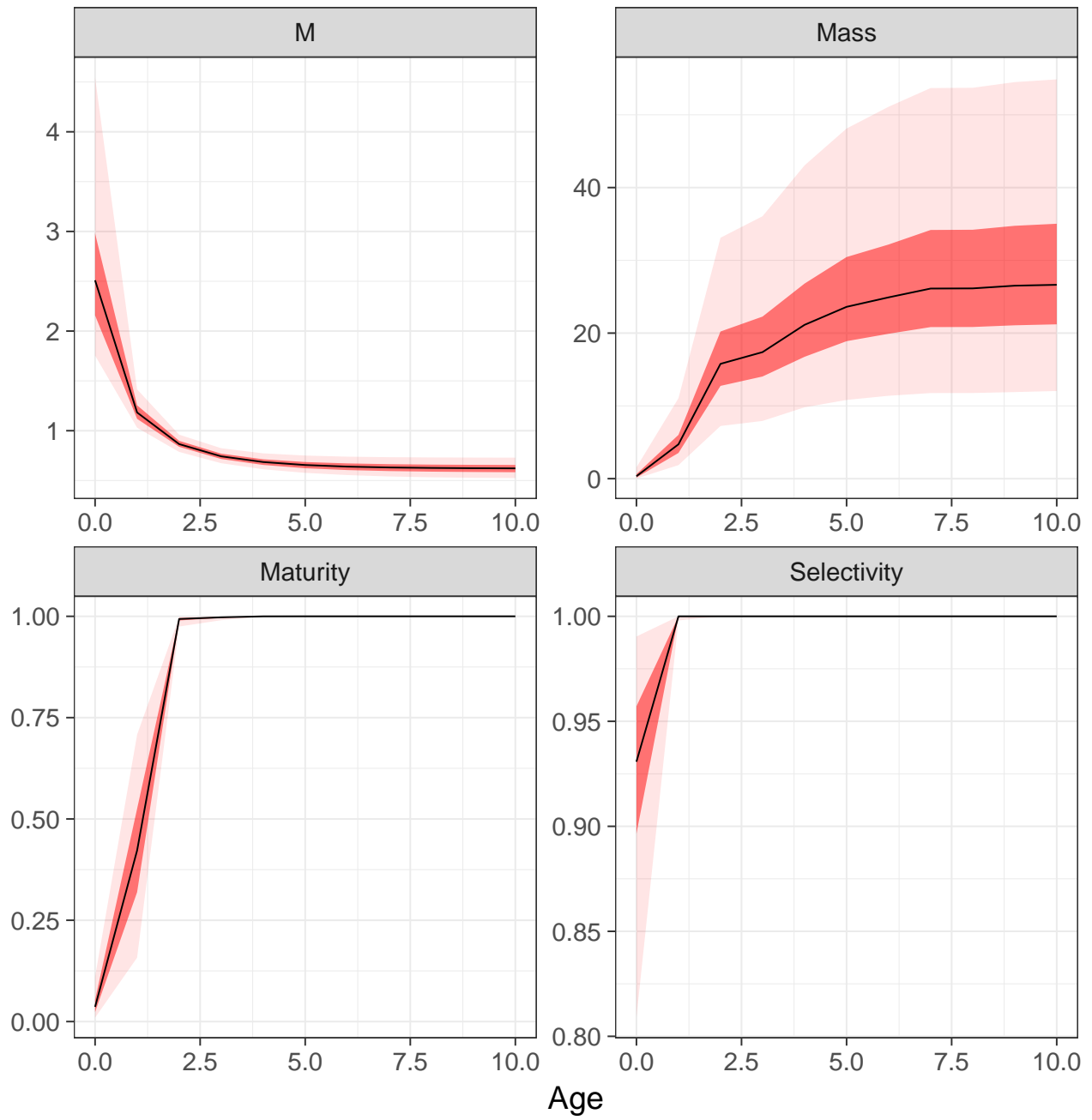


Figure 6 Vectors for sprat.

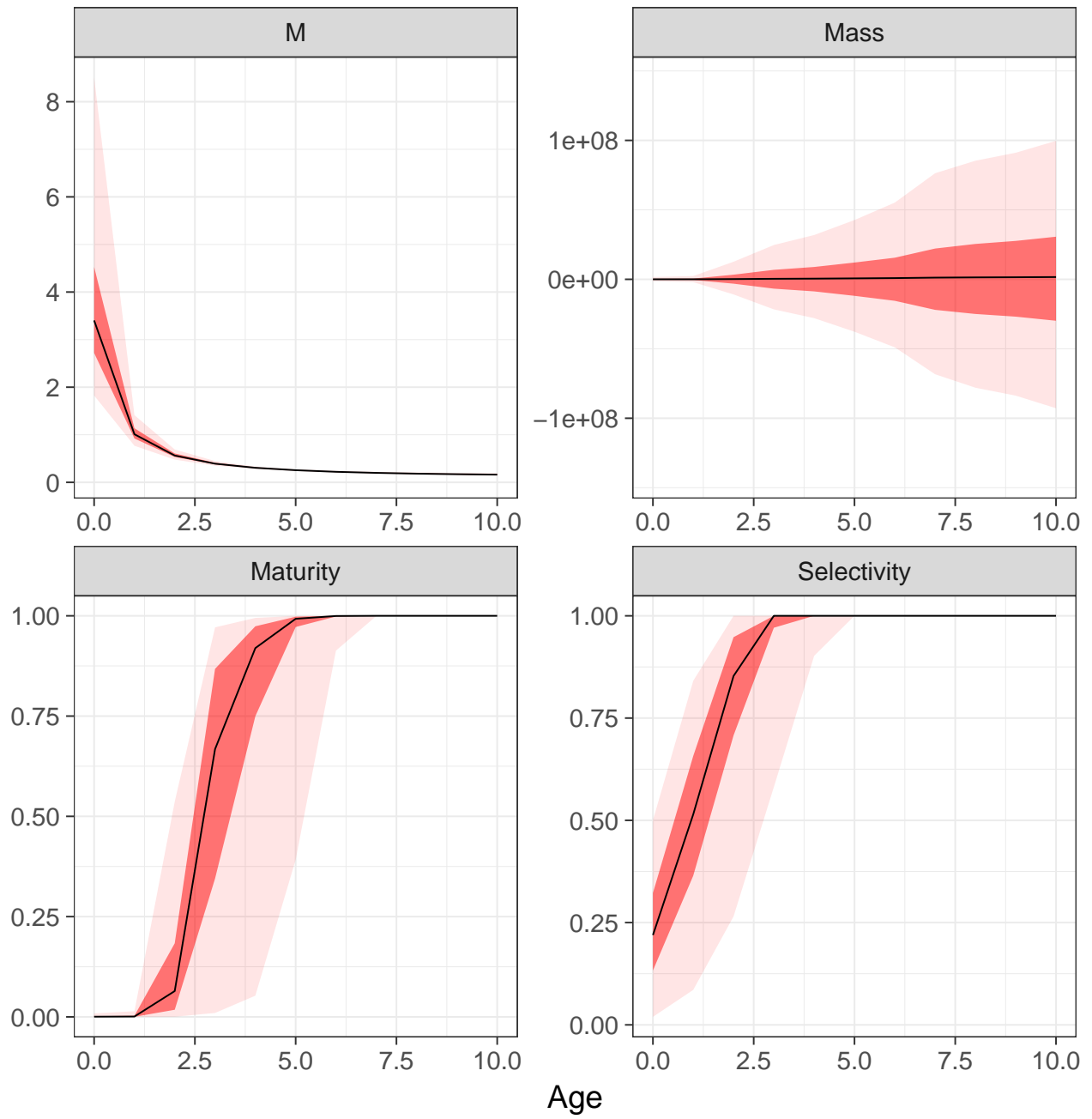


Figure 7 Vectors for bigeye.

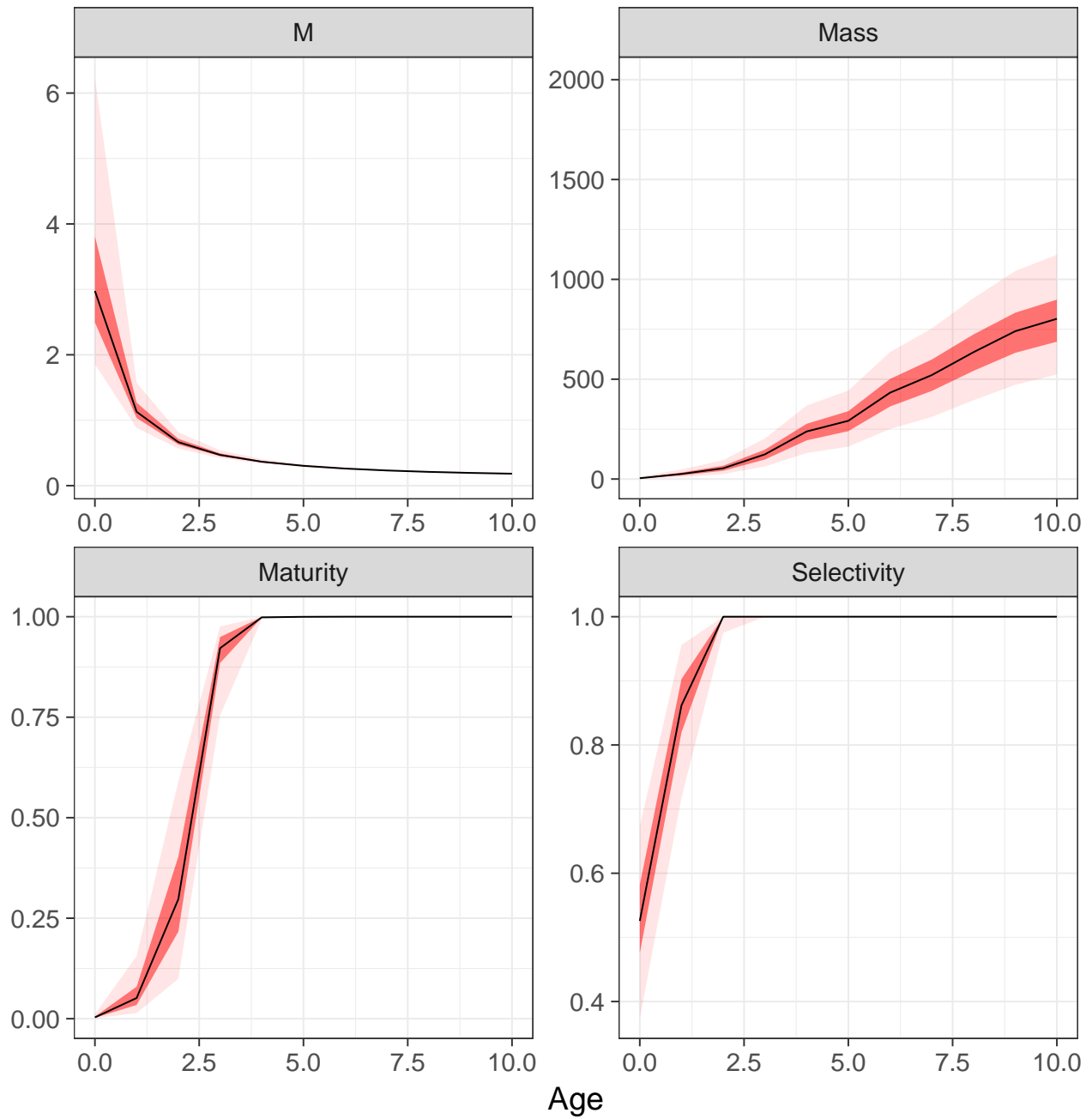


Figure 8 Vectors for Plaice.

Population dynamics

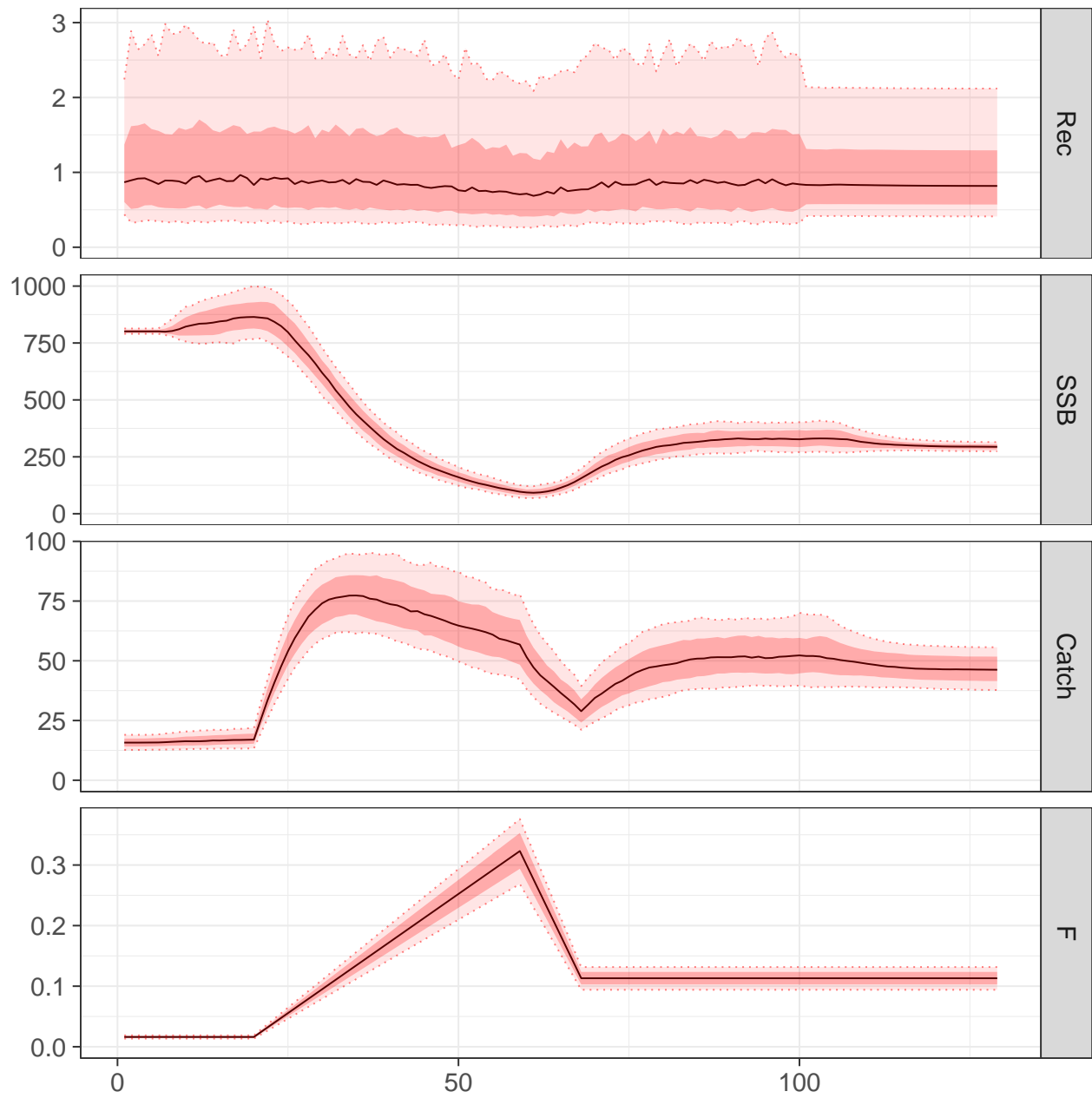


Figure 9 Time series for thornback ray.

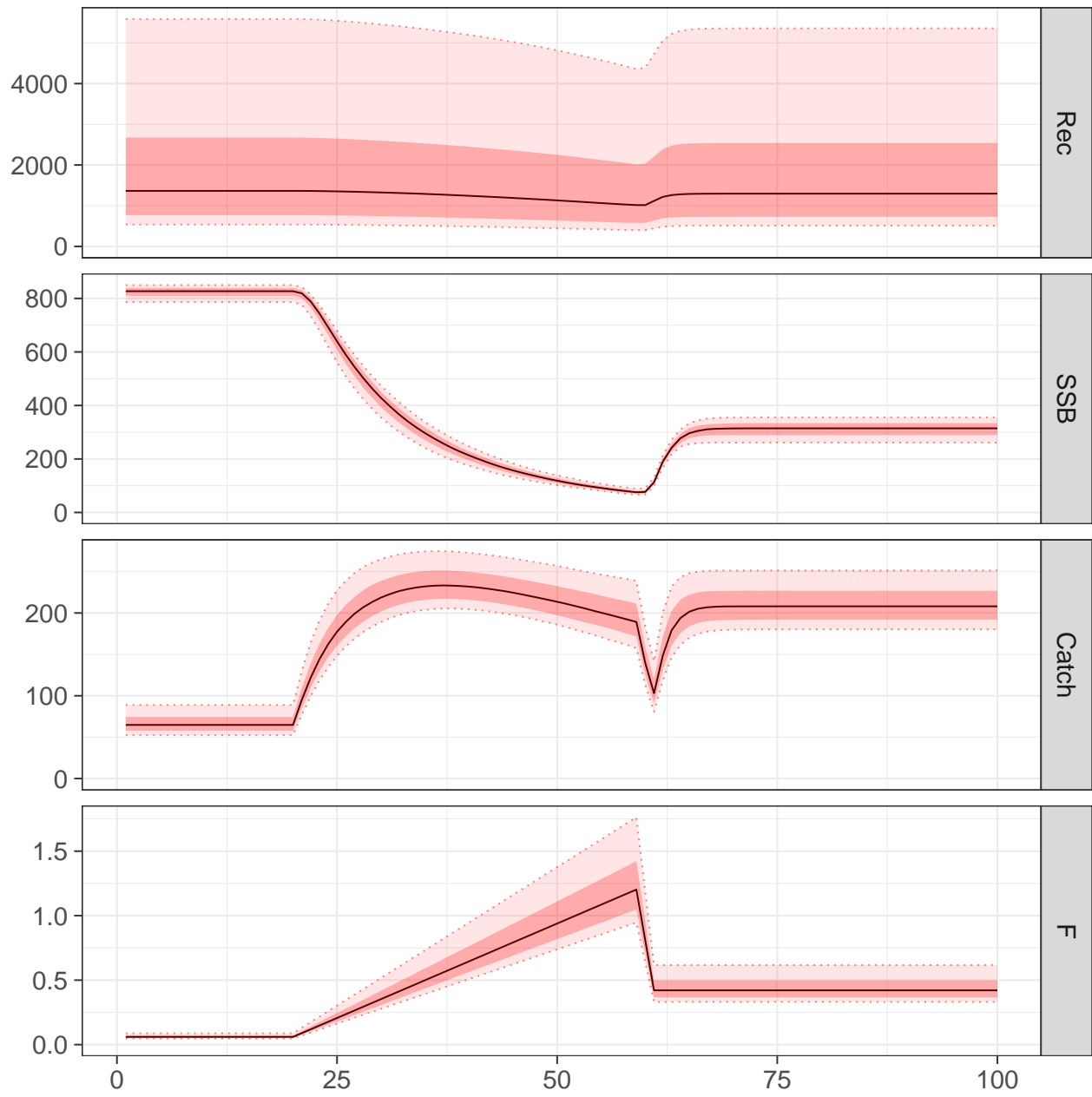


Figure 10 Time series for sprat.

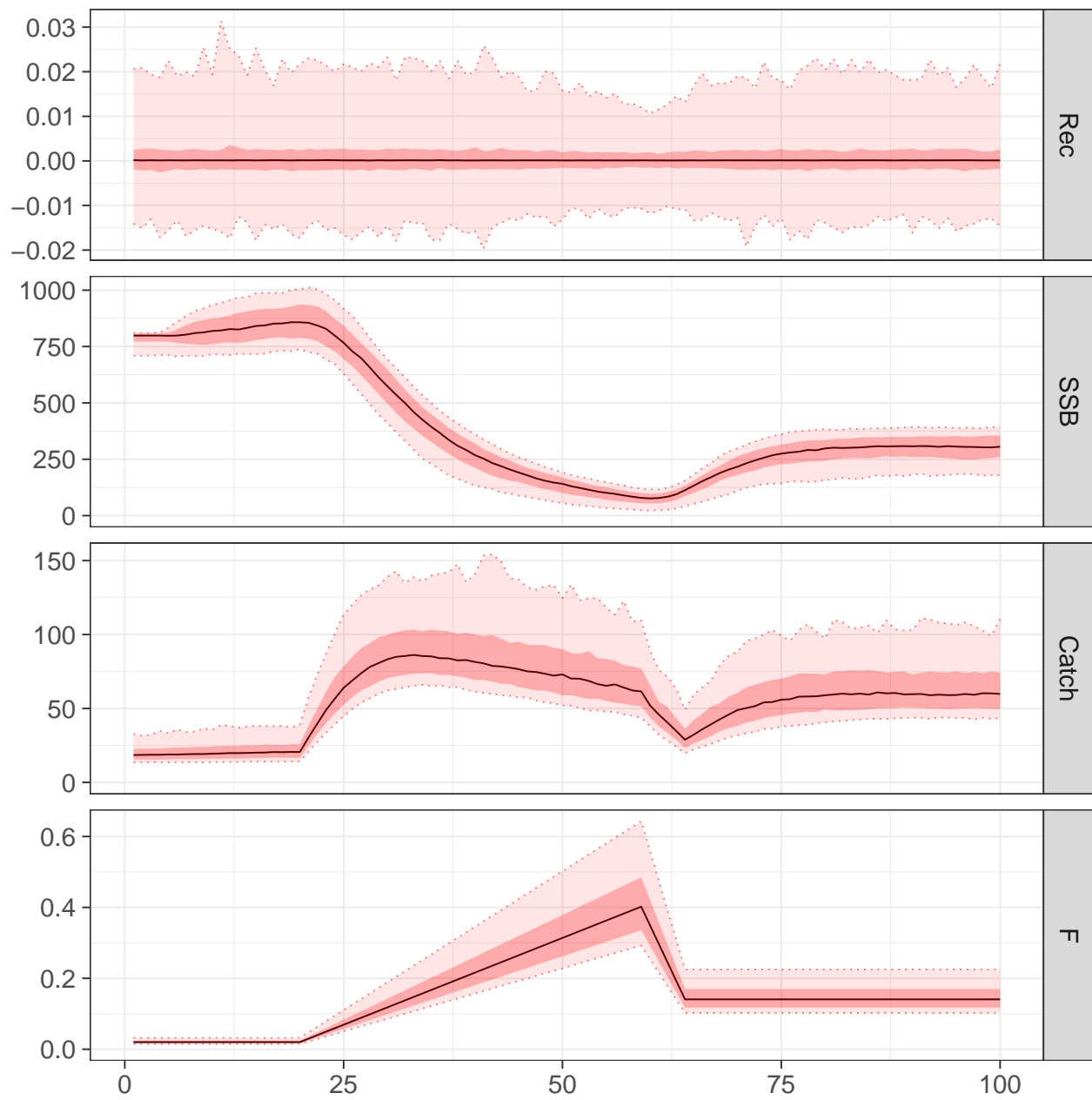


Figure 11 Time series for bigeye.

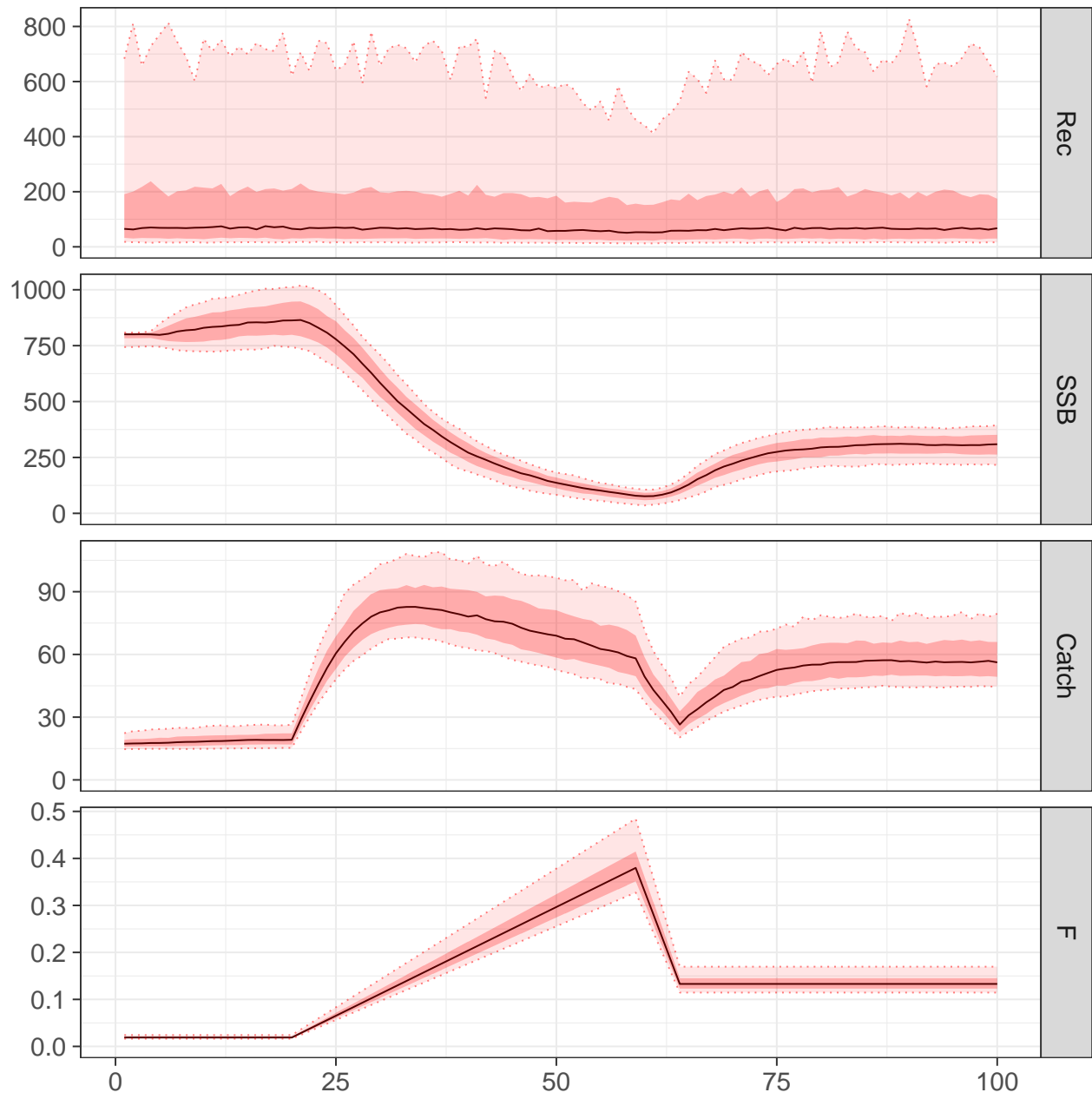


Figure 12 Time series for plaice.