

Supplementary Table 2. Relative fit of models to compare reproductive characteristics in (A) female and (B) male blue sharks (*Prionace glauca*) captured in the western North Atlantic Ocean along the coast of North America from New Jersey to the Flemish Cap between 2 time periods (TPs): 1971–1977 and 2003–2016. Models are ranked from best- to worst-fitting for both length-based (*fork*) and weight-based models, within sexes. Values for total model estimated degrees of freedom (edf), Akaike information criterion (AIC), and difference in AIC between each model and the best-fitting model (Δ_i) are provided.

A Female					
Model	edf	AIC	Δ_i	Deviance explained	
Maturity(fork)	2.0	59.0	0.0	0.72	
Maturity(fork+TP)	3.0	61.0	2.0	0.72	
Maturity(fork*TP)	4.0	61.2	0.2	0.73	
Maturity(weight)	2.0	47.0	0.0	0.66	
Maturity(weight*TP)	4.0	47.0	0.0	0.69	
Maturity(weight+TP)	3.0	48.8	1.8	0.66	

B Male					
Model	edf	AIC	Δ_i	Deviance explained	
Maturity(fork*TP)	4.0	75.9	0.0	0.86	
Maturity(fork+TP)	3.0	80.4	4.5	0.85	
Maturity(fork)	2.0	158.7	78.4	0.69	
Maturity(weight+TP)	4.0	50.9	0.0	0.83	
Maturity(weight*TP)	4.0	52.5	1.6	0.83	
Maturity(weight)	2.0	89.1	36.6	0.66	