

Table S1. Morphological measurements of bonnethead and scalloped hammerhead sharks \pm standard error.

Species	*Total length (cm)	*Dorsal body area (cm^2)	*Cephalofoil width (cm)	* ¹ Cephalofoil area	* ¹ Pectoral fin area	¹ *Planing surface area	*Fineness ratio
Bonnethead	89.27 \pm 3.11	590.41 \pm 41.48	13.18 \pm 0.52	0.17 \pm 0.01	0.14 \pm 0.003	0.31 \pm 0.015	1.16 \pm 0.03
Scalloped Hammerhead	59.96 \pm 1.73	265.44 \pm 16.39	15.23 \pm 0.45	0.27 \pm 0.01	0.09 \pm 0.005	0.36 \pm 0.01	1.66 \pm 0.05

*Denote significant differences between species. ¹Due to the significant differences in total length ($P = 0.0002$) and dorsal body area ($P = 0.0003$), we standardized cephalofoil area, pectoral fin area, and planning surface area by the dorsal body area.

Table S2. Performance variables for bonnethead and scalloped hammerhead sharks \pm standard error.

Species	¹ Standardized velocity (body lengths · s ⁻¹)	Tail Beat Frequency (Hz)	¹ Tail Beat Amplitude	Strouhal number
Bonnethead	0.646 \pm 0.040	1.056 \pm 0.038	0.282 \pm 0.016	0.481 \pm 0.010
Scalloped Hammerhead	0.716 \pm 0.043	1.291 \pm 0.16	0.287 \pm 0.010	0.497 \pm 0.006

*Denote significant differences between species.¹Due to the significant differences in total length ($P = 0.0002$), we standardized velocity by total length and report in body lengths · s⁻¹ and tail beat amplitude by total length leaving this a dimensionless variable.