

Table S2. Surfboard fin specifications.

	Control	RW	Crinkle
Center fin description (fins are symmetrical, or 50/50)	Mk5, designed by Univ of Wollongong Surf Flex Lab	Standard center fin, possessing one or more embodiments described in [12]	Same as Control
Center fin base length/height (mm)	111/118	114/116	111/118
Side, a.k.a. thruster, fin description (fins are flat on inboard side, or 0/100. RW has slight camber)	Mk6, designed by Univ. of Wollongong Surf Flex Lab	Standard thruster fin with slight camber, possessing one or more embodiments described in [12]	Mk6 Control fin with 6 identical grooves at tip. Designed by Univ. of Wollongong Surf Flex Lab
Thruster fin base length/height (mm)	110/114	114/116	110/115
Total wetted surface area of all 3 fins (mm ²)	60,730	59,065	60,654
Total volume of all 3 fins (mm ³)	135,229	113,115	131,689