

Table S3. Pelvic fin and body kinematic magnitudes during manoeuvres

Variable		Inside fin	Outside fin	<i>P</i> -value (d.f.) in vs out fins
Body excursion (cm)	Inside	4.79±1.12	–	–
	Outside	0.58±0.12	–	–
	<i>P</i> -value (d.f.) body side	0.0128* (5.11)	–	–
Fin area (cm ²)	Maximum	1.68±0.12	1.46±0.09	0.1450 (64)
	Minimum	1.41±0.11	1.33±0.08	0.5545 (58)
	<i>P</i> -value (d.f.) max vs min	0.104 (56)	0.2793 (66)	
Angle with fish transverse plane (rad)	Adduction	1.09±0.08	1.06±0.07	0.4094 (44)
	Abduction	0.72±0.08	0.65±0.10	0.8821 (42.52)*
	<i>P</i> -value (d.f.) add vs abd	0.0836 (52)	0.0024 (45)	
Angle with fish sagittal plane (rad)	Supination	0.16±0.12	0.61±0.11	0.3942 (41)
	Pronation	–0.31±0.13	0.31±0.09	0.0229 (42)
	<i>P</i> -value (d.f.) pro vs sup	0.0007 (30)	0.0014 (53)	
Angle with flow transverse plane (rad)	Adduction	2.73±0.07	2.81±0.05	0.4715 (39)
	Abduction	2.52±0.09	2.53±0.8	0.7502 (36)
	<i>P</i> -value (d.f.) add vs abd	0.0027 (35)	0.0023 (40)	
Angle with flow sagittal plane (rad)	Supination	0.45±0.09	0.20±0.06	0.0082 (36)
	Pronation	0.009±0.08	±0.06±0.04	0.0003 (36)
	<i>P</i> -value (d.f.) pro vs sup	0.0146 (32)	0.0401 (40)	
Fin velocity (cm s ⁻¹)	Maximum	6.95±0.87	7.90±0.97	0.4692 (51)
	Minimum	3.04±0.43	3.42±0.48	0.5615 (48)
	<i>P</i> -value (d.f.) max vs min	0.0003 (36.66)*	0.0002 (37.88)*	
Body velocity (cm s ⁻¹)	Maximum	11.77±2.14	–	
	Minimum	3.69±0.64	–	
	<i>P</i> -value (d.f.) max vs min	0.0014 (23.53)*	–	
Maximum angular body velocity (rad s ⁻¹)	Towards	4.3±1.2	–	
	Away	–5.2±3.9	–	
Average angular body velocity (rad s ⁻¹)		1.6±0.8	–	

Values are averaged between manoeuvres and reported as mean ± s.e.m.

*Welch's *t*-test for unequal variance.

d.f., degrees of freedom for the number of peak oscillations during a manoeuvre.

Angular body velocity is calculated as the rate of change of the heading of the fish. Angular velocities towards the direction of the manoeuvre are positive values and angular velocities away from the direction of the manoeuvre are negative values.

Average angular body velocity is the mean of the absolute value of both towards and away angular velocities.