

S1 Table. Results of Kruskal-Wallis test examining the influence of diel depth phase on vertical displacement rate. A Dunn-Šidák correction was used for multiple comparisons due to unequal sample size among phases. Median values reported include interquartile range. Diel depth phases without a shared letter were significantly different.

Shark ID	Shallow Night ROM (m min⁻¹)	Deep Day ROM (m min⁻¹)	Dawn Descent ROM (m min⁻¹)	Dusk Ascent ROM (m min⁻¹)	chi-square	<i>P</i>
HG1	1.7 (0.8-3.0) ^a	1.2 (0.5-2.6) ^b	1.2 (0.5-3.4) ^b	3.5 (1.8-6.2) ^c	271.0556	<0.0001
HG2	2.6 (1.2-4.5) ^a	2.0 (0.9-3.4) ^b	4.1 (2.1-6.1) ^c	2.0 (1.0-3.5) ^b	167.3283	<0.0001
HG3	1.9 (0.9-3.4) ^a	1.2 (0.5-2.3) ^b	5.3 (3.3-7.4) ^c	4.0 (2.1-7.0) ^d	817.0743	<0.0001
HG4	3.2 (1.2-6.6) ^a	1.7 (0.7-3.5) ^b	7.1 (4.2-9.7) ^c	4.7 (2.2-7.0) ^d	412.4358	<0.0001
HG5	2.7 (1.5-4.0) ^a	2.2 (1.2-3.5) ^b	3.4 (1.8-4.7) ^c	3.5 (2.6-4.5) ^c	85.7596	<0.0001

ROM, rate of movement