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The effect of allometric scaling in coral thermal microenvironments

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S3 Table

List of steady-state simulation runs performed at a constant water velocity of 0.01 m s^{-1} exposed to sunlight of $\sim 650 \text{ W m}^{-2}$.

Species	Laminar		Turbulent	
	L (m)	Re	L (m)	Re
<i>A. digitifera</i> (B)	0.00483	45	0.483	4472
	0.02415	224	2.415	22361
	0.0483	447	4.83	44722
<i>A. millepora</i> (B)	0.0056	52	0.56	5178
	0.028	259	2.80	25893
	0.056	518	5.6	51787
<i>D. labyrinthiformis</i> (M)	0.091	839	0.906	8392
	0.0453	419	4.532	41962
	0.0091	84	9.06	83925
generalised massive (M)	0.0053	49	0.525	4861
	0.0263	243	2.625	24305
	0.0525	486	5.25	48611
<i>Fungia</i> sp. (M)	0.0079	73	0.79	7314
	0.0395	365	3.95	36574
	0.079	731	7.9	73148
cylindrical branch (B)	0.0045	42	0.45	4167
	0.0225	292	2.25	20833
	0.0045	417	4.5	41667
<i>G. aspera</i> (M)	0.004	37	0.4	3681
	0.02	184	2	18407
	0.04	368	4	36814
<i>M. annularis</i> (B)	0.0048	44	0.48	4444
	0.024	222	2.4	22222
	0.048	444	4.8	44444
<i>M. mirabilis</i> (B)	0.0049	45	0.488	4518
	0.0244	226	2.44	22592
	0.0488	452	4.88	45185
<i>Porites</i> sp. (M)	0.064	60	0.644	5963
	0.0322	298	3.22	29815
	0.0644	596	6.44	59630
<i>S. caliendrum</i> (B)	0.0056	52	0.56	5185
	0.0112	103	2.8	25925
	0.056	518	5.6	51851
<i>S. hystrix</i> (B)	0.0049	45	0.49	4537
	0.0245	227	2.45	22685
	0.049	454	4.90	45370