



UvA-DARE (Digital Academic Repository)

The effect of allometric scaling in coral thermal microenvironments

Ong, R.H.; King, A.J.C.; Kaandorp, J.A.; Mullins, B.J.; Caley, M.J.

DOI

[10.1371/journal.pone.0184214](https://doi.org/10.1371/journal.pone.0184214)

Publication date

2017

Document Version

Other version

Published in

PLoS ONE

[Link to publication](#)

Citation for published version (APA):

Ong, R. H., King, A. J. C., Kaandorp, J. A., Mullins, B. J., & Caley, M. J. (2017). The effect of allometric scaling in coral thermal microenvironments. *PLoS ONE*, *12*(10), [e0184214]. <https://doi.org/10.1371/journal.pone.0184214>

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

S2 Table

Model assemblages and predicted similarity ratios, where B and M denote branching and massive morphologies, respectively. A and V denote area and volume.

Species	shape categories	characteristic length (L), m	similarity ratio (K)	shape index $A^{0.5} \times V^{-0.33}$
<i>Acropora digitifera</i>	B	0.483	45	10.95
<i>Acropora millepora</i>	B	0.559	42	10.95
<i>Diploria labyrinthiformis</i>	M	0.906	50	13.12
generalised massive coral	M	0.525	1.2	2.79
generalised <i>Fungia</i> sp.	M	0.790	73	12.55
generalised cylindrical branch	B	0.450	66	7.64
generalised <i>Goniastrea aspera</i>	M	0.397	1.5	2.87
<i>Montastrea annularis</i>	B	0.480	40	12
<i>Madracis mirabilis</i>	B	0.488	43	10.20
<i>Porites</i> sp.	M	0.64	53	11.42
<i>Seriatopora caliendrum</i>	B	0.56	38	11.22
<i>Seriatopora hystrix</i>	B	0.49	236	8.92