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Additional File 2

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Supplemental materials for

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Identifying the key biophysical drivers, connectivity outcomes, and metapopulation

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consequences of larval dispersal in the sea

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9 **Table S1.** Median values for all reef-based response variables are reported per reef patch and summarized across all reefs in system (All),
 10 aggregated across all behavioural parameters. Lower and upper quartile values are also shown (Q1 - Q3).

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Parameter	Reef 3	Reef 10	Reef 12	Reef 16	Reef 18	Reef 23	Reef 26	Reef 32	All
LR	0.001 (0.000-0.070)	0.003 (0.000-0.142)	0.000 (0.000-0.043)	0.001 (0.000-0.062)	0.000 (0.000-0.097)	0.004 (0.000-0.204)	0.000 (0.000-0.015)	0.001 (0.000-0.170)	0.000 (0.000-0.110)
SR	0.303 (0.000-0.988)	0.238 (0.000-1.000)	0.005 (0.000-1.000)	0.988 (0.000-1.000)	0.166 (0.000-1.000)	0.480 (0.000-1.000)	0.041 (0.000-1.000)	1.000 (0.000-1.000)	0.287 (0.000-1.000)
H	0.896 (0.000-1.736)	0.736 (0.000-1.630)	0.546 (0.000-1.738)	0.000 (0.000-1.267)	0.751 (0.000-1.753)	0.765 (0.000-1.676)	0.580 (0.000-1.614)	0.000 (0.000-0.663)	0.499 (0.000-1.676)
mdG	0.409 (0.014-1.189)	0.400 (0.037-0.795)	0.800 (0.206-1.266)	0.059 (0.043-1.026)	0.839 (0.016-1.273)	0.212 (0.013-1.228)	0.651 (0.228-1.571)	0.211 (0.010-1.166)	0.459 (0.016-1.266)
mxG	0.780 (0.086-1.000)	0.488 (0.124-1.000)	0.940 (0.392-1.000)	0.821 (0.047-1.000)	0.937 (0.011-1.000)	0.684 (0.109-1.000)	0.845 (0.330-1.000)	0.844 (0.386-1.000)	0.805 (0.109-1.000)
S	0.050 (0.000-0.427)	0.046 (0.000-0.423)	0.053 (0.000-0.470)	0.071 (0.001-0.510)	0.032 (0.000-0.367)	0.036 (0.000-0.377)	0.044 (0.000-0.452)	0.021 (0.000-0.204)	0.042 (0.000-0.412)
dC	0.176 (0.000-0.618)	0.176 (0.000-0.618)	0.147 (0.000-0.618)	0.147 (0.000-0.500)	0.206 (0.000-0.647)	0.147 (0.000-0.706)	0.176 (0.000-0.735)	0.235 (0.000-0.588)	0.176 (0.000-0.647)
Cw	0.102 (0.000-0.330)	0.100 (0.000-0.320)	0.100 (0.000-0.330)	0.111 (0.000-0.337)	0.088 (0.000-0.334)	0.092 (0.000-0.330)	0.103 (0.000-0.360)	0.075 (0.000-0.286)	0.096 (0.000-0.330)

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