

Supplementary material

**Morphologically similar, coexisting hard corals (*Porites lobata* and *P. solida*) display similar trophic isotopic ratios across reefs and depths**

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**Table S1. Raw data**

Species	Reef	Depth	Site	Coral host		Photosymbiont	
				$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Lobata	Pwakuu	Base	1	-14.99	4.20	-14.06	5.92
Lobata	Pwakuu	Base	1	-16.86	4.29	-13.90	5.77
Lobata	Pwakuu	Base	1	-14.62	5.76	-10.27	6.02
Lobata	Pwakuu	Base	2	-16.57	4.07	-13.30	4.88
Lobata	Pwakuu	Base	2	-15.96	3.97	-13.94	5.32
Lobata	Pwakuu	Base	2	-13.78	6.23	-13.96	5.08
Lobata	Pwakuu	Base	3	-16.02	4.87	-12.61	4.89
Lobata	Pwakuu	Base	3	-17.02	8.05	-10.47	5.21
Lobata	Pwakuu	Base	3	-15.74	7.48	-13.29	5.24
Lobata	Pwakuu	Crest	1	-13.94	3.69	-13.31	5.40
Lobata	Pwakuu	Crest	1	-13.56	4.28	-12.89	5.27
Lobata	Pwakuu	Crest	1	-16.81	2.66	-14.01	7.29
Lobata	Pwakuu	Crest	2	-13.64	3.44	-11.48	5.52
Lobata	Pwakuu	Crest	2	-16.84	4.39	-12.06	5.83
Lobata	Pwakuu	Crest	2	-14.35	4.03	-11.58	5.52
Lobata	Pwakuu	Crest	3	-13.43	4.35	-12.75	5.10
Lobata	Pwakuu	Crest	3	-13.43	4.57	-12.23	5.14
Lobata	Pwakuu	Crest	3	-16.49	3.49	-12.06	5.23
Lobata	Pwakuu	Slope	1	-17.86	4.00	-13.06	5.05
Lobata	Pwakuu	Slope	1	-17.29	4.06	-13.34	5.65
Lobata	Pwakuu	Slope	1	-15.40	4.68	-12.79	5.71
Lobata	Pwakuu	Slope	2	-13.99	2.10	-11.59	5.19
Lobata	Pwakuu	Slope	2	-15.02	4.29	-12.40	4.95
Lobata	Pwakuu	Slope	2	-14.85	5.22	-12.18	4.87
Lobata	Pwakuu	Slope	3	-14.68	3.81	-13.64	4.99
Lobata	Pwakuu	Slope	3	-15.06	5.35	-14.18	4.92
Lobata	Pwakuu	Slope	3	-14.25	6.04	-13.48	4.78
Lobata	Nyonge	Base	4	-15.45	6.78	-12.74	4.81
Lobata	Nyonge	Base	4	-13.71	10.18	-13.01	4.42
Lobata	Nyonge	Base	4	-14.47	5.89	-13.57	4.62
Lobata	Nyonge	Base	5	-16.34	6.38	-14.23	5.03
Lobata	Nyonge	Base	5	-14.23	6.01	-11.35	4.96
Lobata	Nyonge	Base	5	-13.86	6.84	-11.78	5.10
Lobata	Nyonge	Base	6	-15.51	4.79	-13.74	5.50
Lobata	Nyonge	Base	6	-14.35	4.41	-13.14	5.84

Species	Reef	Depth	Site	Coral host		Photosymbiont	
				$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Lobata	Nyonge	Base	6	-15.52	5.29	-15.04	5.75
Lobata	Nyonge	Crest	4	-13.71	3.80	-10.15	4.63
Lobata	Nyonge	Crest	4	-14.88	5.14	-11.47	4.62
Lobata	Nyonge	Crest	4	-14.04	4.60	-10.40	5.21
Lobata	Nyonge	Crest	5	-14.08	3.92	-11.84	4.96
Lobata	Nyonge	Crest	5	-14.94	3.99	-11.71	5.24
Lobata	Nyonge	Crest	5	-14.09	4.17	-12.67	5.73
Lobata	Nyonge	Crest	6	-12.97	5.22	-10.33	6.17
Lobata	Nyonge	Crest	6	-13.34	5.34	-10.43	5.56
Lobata	Nyonge	Crest	6	-12.90	6.13	-9.59	5.36
Lobata	Nyonge	Slope	4	-14.42	5.32	-12.49	4.71
Lobata	Nyonge	Slope	4	-14.40	5.45	-13.37	5.03
Lobata	Nyonge	Slope	4	-12.01	5.81	-11.98	4.96
Lobata	Nyonge	Slope	5	-15.29	6.20	-14.34	6.28
Lobata	Nyonge	Slope	5	-13.20	6.48	-11.82	4.93
Lobata	Nyonge	Slope	5	-12.87	6.17	-9.57	5.57
Lobata	Nyonge	Slope	6	-15.06	4.59	-11.84	5.76
Lobata	Nyonge	Slope	6	-14.98	4.60	-12.92	4.93
Lobata	Nyonge	Slope	6	-13.66	4.78	-11.02	4.39
Lobata	Ukombe	Base	7	-18.41	5.17	-14.08	5.06
Lobata	Ukombe	Base	7	-17.96	3.95	-13.79	5.39
Lobata	Ukombe	Base	7	-17.64	5.34	-12.31	5.78
Lobata	Ukombe	Base	8	-19.42	4.38	-15.28	4.08
Lobata	Ukombe	Base	8	-19.38	5.09	-11.50	6.15
Lobata	Ukombe	Base	8	-19.53	3.43	-14.13	5.13
Lobata	Ukombe	Base	9	-15.20	5.99	-13.87	5.58
Lobata	Ukombe	Base	9	-17.01	6.56	-12.34	5.29
Lobata	Ukombe	Base	9	-16.62	5.78	-12.80	4.72
Lobata	Ukombe	Crest	7	-12.86	3.99	-12.56	5.04
Lobata	Ukombe	Crest	7	-16.23	4.16	-12.44	5.70
Lobata	Ukombe	Crest	7	-18.06	3.64	-12.99	5.45
Lobata	Ukombe	Crest	8	-16.47	4.61	-13.26	5.53
Lobata	Ukombe	Crest	8	-16.55	4.35	-11.33	5.70
Lobata	Ukombe	Crest	8	-15.34	5.34	-15.12	3.59
Lobata	Ukombe	Crest	9	-14.60	3.79	-13.86	5.40
Lobata	Ukombe	Crest	9	-13.22	4.48	-13.22	5.34
Lobata	Ukombe	Crest	9	-14.96	3.27	-11.73	4.17
Lobata	Ukombe	Slope	7	-15.41	5.37	-13.46	4.70
Lobata	Ukombe	Slope	7	-17.97	5.11	-12.04	5.10
Lobata	Ukombe	Slope	7	-15.28	4.49	-15.78	5.16
Lobata	Ukombe	Slope	8	-13.57	5.32	-14.63	5.20
Lobata	Ukombe	Slope	8	-17.04	4.18	-14.85	5.75
Lobata	Ukombe	Slope	8	-16.98	4.39	-12.96	6.39
Lobata	Ukombe	Slope	9	-15.46	4.04	-14.16	5.79
Lobata	Ukombe	Slope	9	-17.03	4.09	-14.77	4.90
Lobata	Ukombe	Slope	9	-16.94	4.55	-15.09	5.81
Solida	Pwakuu	Base	1	-14.99	4.20	-14.06	5.92
Solida	Pwakuu	Base	1	-16.86	4.29	-13.90	5.77
Solida	Pwakuu	Base	1	-14.62	5.76	-10.27	6.02
Solida	Pwakuu	Base	2	-17.61	4.73	-13.33	4.71
Solida	Pwakuu	Base	2	-17.79	4.15	-13.44	4.62
Solida	Pwakuu	Base	2	-17.28	4.96	-14.26	5.26
Solida	Pwakuu	Base	3	-14.33	4.34	-10.94	5.02
Solida	Pwakuu	Base	3	-14.63	4.73	-12.83	4.80
Solida	Pwakuu	Base	3	-17.02	4.22	-10.17	5.19
Solida	Pwakuu	Crest	1	-17.45	3.70	-13.19	4.86
Solida	Pwakuu	Crest	1	-14.31	4.49	-11.22	5.24
Solida	Pwakuu	Crest	1	-14.46	4.59	-12.37	5.27
Solida	Pwakuu	Crest	2	-13.22	5.08	-12.45	4.46

Species	Reef	Depth	Site	Coral host		Photosymbiont	
				$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Solida	Pwakuu	Crest	2	-13.41	4.75	-12.23	4.38
Solida	Pwakuu	Crest	2	-16.54	3.50	-14.43	5.54
Solida	Pwakuu	Crest	3	-15.54	4.89	-13.56	5.21
Solida	Pwakuu	Crest	3	-14.98	4.49	-13.76	4.69
Solida	Pwakuu	Crest	3	-14.37	3.78	-13.14	4.80
Solida	Pwakuu	Slope	1	-17.86	4.00	-12.26	5.36
Solida	Pwakuu	Slope	1	-17.29	4.06	-13.67	5.07
Solida	Pwakuu	Slope	1	-15.40	4.68	-11.46	5.70
Solida	Pwakuu	Slope	2	-16.69	10.23	-13.53	4.92
Solida	Pwakuu	Slope	2	-16.73	4.79	-13.15	5.30
Solida	Pwakuu	Slope	2	-15.31	5.96	-13.49	5.64
Solida	Pwakuu	Slope	3	-14.68	3.81	-13.74	5.19
Solida	Pwakuu	Slope	3	-15.06	5.35	-12.18	4.41
Solida	Pwakuu	Slope	3	-14.25	6.04	-14.40	4.67
Solida	Nyonge	Base	4	-13.63	5.19	-11.38	4.81
Solida	Nyonge	Base	4	-15.48	5.79	-12.59	5.75
Solida	Nyonge	Base	4	-16.71	6.29	-11.92	5.57
Solida	Nyonge	Base	5	-16.90	4.69	-13.80	5.50
Solida	Nyonge	Base	5	-18.07	4.87	-13.55	5.11
Solida	Nyonge	Base	5	-16.70	4.17	-12.92	4.75
Solida	Nyonge	Base	6	-15.94	6.67	-12.62	5.23
Solida	Nyonge	Base	6	-15.83	5.14	-12.43	5.04
Solida	Nyonge	Base	6	-14.17	7.33	-11.82	5.38
Solida	Nyonge	Crest	4	-11.71	6.15	-9.80	5.15
Solida	Nyonge	Crest	4	-15.46	4.12	-11.11	4.84
Solida	Nyonge	Crest	4	-12.30	4.65	-10.41	5.06
Solida	Nyonge	Crest	5	-15.35	5.97	-12.08	5.62
Solida	Nyonge	Crest	5	-12.30	6.35	-10.75	5.37
Solida	Nyonge	Crest	5	-14.32	5.94	-11.31	5.88
Solida	Nyonge	Crest	6	-14.42	1.96	-10.26	5.86
Solida	Nyonge	Crest	6	-12.98	5.33	-13.86	5.32
Solida	Nyonge	Crest	6	-16.70	5.36	-12.69	5.51
Solida	Nyonge	Slope	4	-15.74	3.42	-12.94	5.00
Solida	Nyonge	Slope	4	-14.98	6.44	-12.63	4.99
Solida	Nyonge	Slope	4	-15.09	5.51	-12.51	5.61
Solida	Nyonge	Slope	5	-15.16	5.72	-13.19	5.43
Solida	Nyonge	Slope	5	-16.98	4.97	-12.89	5.52
Solida	Nyonge	Slope	5	-16.25	4.83	-12.86	5.29
Solida	Nyonge	Slope	6	-15.64	4.68	-12.05	5.93
Solida	Nyonge	Slope	6	-15.26	6.48	-12.37	5.43
Solida	Nyonge	Slope	6	-14.13	2.73	-9.87	5.10
Solida	Ukombe	Base	7	-18.08	6.28	-14.08	5.06
Solida	Ukombe	Base	7	-17.87	3.26	-13.79	5.39
Solida	Ukombe	Base	7	-17.87	6.88	-12.31	5.78
Solida	Ukombe	Base	8	-19.42	4.38	-13.64	6.03
Solida	Ukombe	Base	8	-18.33	4.18	-13.06	5.44
Solida	Ukombe	Base	8	-19.38	5.09	-12.14	5.57
Solida	Ukombe	Base	9	-15.82	5.12	-14.59	5.78
Solida	Ukombe	Base	9	-19.53	3.43	-14.74	5.67
Solida	Ukombe	Base	9	-15.45	5.16	-14.99	5.04
Solida	Ukombe	Crest	7	-17.87	3.14	-14.30	3.65
Solida	Ukombe	Crest	7	-15.28	4.50	-13.69	5.30
Solida	Ukombe	Crest	7	-16.67	2.59	-13.69	5.30
Solida	Ukombe	Crest	8	-15.86	5.59	-14.87	5.64
Solida	Ukombe	Crest	8	-16.47	4.61	-14.86	4.93
Solida	Ukombe	Crest	8	-16.55	4.35	-12.69	5.27
Solida	Ukombe	Crest	9	-15.34	5.34	-12.44	4.87
Solida	Ukombe	Crest	9	-14.12	5.42	-14.77	4.90
Solida	Ukombe	Crest	9	-14.60	3.79	-13.55	5.29

Species	Reef	Depth	Site	Coral host		Photosymbiont	
				$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Solida	Ukombe	Slope	7	-14.76	4.83	-11.69	5.13
Solida	Ukombe	Slope	7	-13.22	4.48	-11.63	5.68
Solida	Ukombe	Slope	7	-12.98	5.12	-13.48	5.45
Solida	Ukombe	Slope	8	-15.46	4.04	-15.20	5.36
Solida	Ukombe	Slope	8	-16.38	3.18	-14.05	5.67
Solida	Ukombe	Slope	8	-17.03	4.09	-14.72	5.41
Solida	Ukombe	Slope	9	-13.57	5.32	-17.42	7.07
Solida	Ukombe	Slope	9	-17.04	4.18	-13.08	5.91
Solida	Ukombe	Slope	9	-16.98	4.39	-12.04	5.10