

Supplemental Table 1. U/Th Age Dates

Depth (cmbsf)	Coral species	Labcode LSCE	^{238}U ($\mu\text{g/g}$)	^{232}Th (ng/g)	$\delta^{234}\text{U}_m$	($^{230}\text{Th}/^{232}\text{Th}$)	($^{230}\text{Th}/^{238}\text{U}$)	Age (ka)	$\delta^{234}\text{U}_{(0)}$	Calcite (%)
1130-1135	<i>Lobophyllia ?</i>	4728	2.630 \pm 0.0014	0.141 \pm 0.0008	136.8 \pm 0.6	8574 \pm 26	0.16407 \pm 0.00049	16.923 \pm 0.064	143.5 \pm 0.6	1.6
1385-1395	<i>Favites abdita</i>	4729	2.547 \pm 0.0014	0.329 \pm 0.0015	133.9 \pm 1.2	4580 \pm 19	0.17700 \pm 0.00075	18.405 \pm 0.107	141.0 \pm 1.3	1.0
Core base	<i>Goniastrea retiformis</i>	4727	2.665 \pm 0.0015	0.175 \pm 0.0003	131.5 \pm 0.8	7202 \pm 11	0.18476 \pm 0.00029	19.396 \pm 0.048	138.9 \pm 0.8	1.0