

Supplementary Materials:

**Title: Diversity and Biogeography of Coral Mucus-Associated Bacterial Communities:
The Case of *Acropora formosa***

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Table S1. Probability values of analysis of variance (ANOVA) and Tukey's HSD test on ANOVA of alpha diversity metrics

Location	Observed		Chao1		Shannon	
	ANOVA	Tukey's HSD (ANOVA)	ANOVA	Tukey's HSD (ANOVA)	ANOVA	Tukey's HSD (ANOVA)
All Locations	3.10×10^{-4}		3.30×10^{-4}		1.40×10^{-6}	
Nha Trang-Bourake		9.34×10^{-3}		1.0		1.41×10^{-3}
Phu Quoc-Bourake		4.95×10^{-3}		4.47×10^{-2}		9.90×10^{-3}
Ujung Gelam-Bourake		1.06×10^{-3}		6.00×10^{-4}		7.00×10^{-6}
Phu Quoc-Nha Trang		1.50×10^{-2}		5.99×10^{-2}		5.19×10^{-3}
Ujung Gelam-Nha Trang		5.06×10^{-3}		1.22×10^{-3}		2.34×10^{-2}
Ujung Gelam-Phu Quoc		9.95×10^{-1}		7.12×10^{-1}		5.18×10^{-1}

Table S2. Permanova (Adonis) results of beta diversity of four different locations

	Df	Sum Sq	F Model	R2	P value
Location	3	1620.0	5.8044	0.55433	1×10^{-4} ***
Residuals	14	1302.5		0.44567	
Total	17	2922.4		1.00000	

Table S3. ANOVA tests of beta diversity dispersions

	Df	Sum Sq	Mean Sq	F Value	P value
Location	3	67.691	22.5636	2.6263	0.09129
Residuals	14	120.281	8.5915		