

Evidence for Autoinduction and Quorum Sensing in White Band Disease-Causing Microbes on *Acropora cervicornis*

Rebecca H. Certner & Steven V. Vollmer

**Supplementary Table S1**

ANOVA table for *Cytophaga-Flavobacterium* dataset. Percent bacterial coverage per mg coral tissue plated was analysed with a two-way ANOVA that considered the CFCF in the media (healthy or diseased) and the plated bacterial homogenate (healthy or diseased) as fixed effects.

<b>Source</b>	<b>Df</b>	<b>Sum Sq.</b>	<b>Mean Sq.</b>	<b>F-value</b>	<b>P-value</b>
CFCF (cell-free culture fluid)	1	59,731	59,731	32.951	0.000434
Bacterial Homogenate	1	339	339	0.817	0.677033
CFCF:Bacterial Homogenate	1	3,738	3,738	2.062	0.188952
Residuals	8	14,502	14,502	-	-

**Supplementary Table S2**

ANOVA table for *Vibrio* dataset. Percent bacterial coverage per mg coral tissue plated was analysed with a two-way ANOVA that considered the CFCF in the media (healthy or diseased) and the plated bacterial homogenate (healthy or diseased) as fixed effects.

<b>Source</b>	<b>Df</b>	<b>Sum Sq.</b>	<b>Mean Sq.</b>	<b>F-value</b>	<b>P-value</b>
CFCF (cell-free culture fluid)	1	0.52	0.52	0.029	0.8697
Bacterial Homogenate	1	141.69	141.69	7.835	0.0232
CFCF:Bacterial Homogenate	1	0.52	0.52	0.029	0.8697
Residuals	8	144.67	18.08	-	-

**Supplementary Table S3**

ANOVA table for AHL Addition Experiment. Time to total tissue loss in healthy test *A. cervicornis* fragments was analysed with a two-way ANOVA that considered the bacterial homogenate (healthy or diseased) and the addition or lack of AHL as fixed effects.

<b>Source</b>	<b>Df</b>	<b>Sum Sq.</b>	<b>Mean Sq.</b>	<b>F-value</b>	<b>P-value</b>
Homogenate	1	309.17	309.17	2508	<2e-16
AHL	1	162.56	162.56	1319	<2e-16
Homogenate:AHL	1	180.01	180.01	1460	<2e-16
Residuals	32	3.94	0.12	-	-