

Coral transplantation triggers shift in microbiome and promotion of coral disease associated potential pathogens

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Supplementary Table S1 | Assignments of bacterial genera into metabolic categories

(autotrophs, heterotrophs, and potential pathogens). “R” denotes reference for metabolic grouping.

Autotrophs	R	Heterotrophs	R	Potential pathogens	R
<i>Anabaena</i>	S1	<i>Afifella</i>	S25	<i>Acinetobacter</i>	S65
<i>Arthrospira</i>	S2	<i>Alicyclobacillus</i>	S26	<i>Aeromonas</i>	S66
<i>Calothrix</i>	S3	<i>Andersenella</i>	S27	<i>Balneatrix</i>	S67
<i>Chamaesiphon</i>	S4	<i>Candidatus</i> Microthrix	S28	<i>Bartonella</i>	S68
<i>Chroococidiopsis</i>	S5	<i>Comamonadaceae</i>	S29	<i>Burkholderia</i>	S69
<i>Coleochaete</i>	S6	<i>Congregibacter</i>	S30	<i>Candidatus</i> <i>Amoebophilus</i>	S70
<i>Crenothrix</i>	S7	<i>Cystobacterineae</i>	S31	<i>Chryseobacterium</i>	S71
<i>Gloeobacter</i>	S8	<i>Endozoicomonas</i>	S32	<i>Corynebacterium</i>	S72
<i>Leptospirillum</i>	S9	<i>Enhydrobacter</i>	S33	<i>Escherichia</i>	S73
<i>Microcrocoleus</i>	S10	<i>Epulopiscium</i>	S34	<i>Geitlerinema</i> *	S74
<i>Nitrosococcus</i>	S11	<i>Geobacter</i>	S35	<i>Gordonia</i>	S75
<i>Pedinomonas</i>	S12	<i>Haliea</i>	S36	<i>Halomonas</i>	S76
<i>Pellia</i>	S13	<i>Kangiella</i>	S37	<i>Leptolyngbya</i> *	S74
<i>Pleurocapsa</i>	S14	<i>Labrenzia</i>	S38	<i>Micrococcus</i>	S77
<i>Prochlorococcus</i>	S15	<i>Lactobacillus</i>	S39	<i>Mycoplasma</i>	S78
<i>Prochlorothrix</i>	S16, S17	<i>Leucothrix</i>	S40	<i>Oscillatoria</i> *	S74
<i>Pseudanabaena</i>	S18	<i>Magnetospirillum</i>	S41	<i>Propionibacterium</i>	S79
<i>Rhodovibrio</i>	S19	<i>Marinobacter</i>	S42	<i>Pseudomonas</i>	S80
<i>Rivularia</i>	S20	<i>Massilia</i>	S43	<i>Ralstonia</i>	S81
<i>Scherffelia</i>	S21	<i>Mesorhizobium</i>	S44	<i>Sphingomonas</i> *	S82
<i>Spirulina</i>	S22	<i>Methylobacterium</i>	S45	<i>Staphylococcus</i>	S83
<i>Synechococcus</i>	S23	<i>Microbulbifer</i>	S38		
<i>Trichodesmium</i>	S24	<i>Muricauda</i>	S46		
		<i>Nannocystineae</i>	S31		
		<i>Neptunomonas</i>	S47		
		<i>Nitratireductor</i>	S48		
		<i>Oceanospirillum</i>	S49		
		<i>Pelagibius</i>	S50		
		<i>Pelobacter</i>	S51		
		<i>Phyllobacteriaceae</i>	S52		
		<i>Pseudovibrio</i>	S38		
		<i>Rheinheimera</i>	S53		
		<i>Rhodobacteraceae</i>	S54		
		<i>Rhodobium</i>	S55		
		<i>Rhodopirellula</i>	S56		
		<i>Rhodospirillaceae</i>	S57		
		<i>Rhodovulum</i>	S58		
		<i>Rubrobacter</i>	S59		
		<i>Ruegeria</i>	S60		
		<i>Salinicoccus</i>	S61		
		<i>Thalassospira</i>	S62		
		<i>Wenxinia</i>	S63		
		<i>Wolbachia</i>	S64		

**Geitlerinema*, *Leptolyngbya*, *Oscillatoria*, and *Sphingomonas* are coral-specific potential pathogens.

The first three genera are associated with black band disease.

Supplementary Table S2 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each baseline coral sample from control plots.

Taxa	Coral Sample							
	1	2	3	4	5	6	7	8
<i>Enhydrobacter</i>	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Pseudomonas</i>	27.82	1.57	2.97	0.11	0.39	0.79	0.13	0.00
<i>Candidatus Amoebophilus</i>	0.00	0.00	0.00	0.00	4.69	16.79	0.13	53.63
<i>Microbulbifer</i>	0.00	0.23	0.12	4.63	0.00	0.73	0.39	0.00
<i>Neptunomonas</i>	2.82	49.71	54.44	5.99	35.09	36.62	19.34	1.34
<i>Gloeotrichia</i>	0.00	0.00	0.00	0.00	4.20	2.49	2.50	4.39
<i>Marinobacter</i>	0.42	16.29	13.54	0.32	6.74	5.54	3.68	0.76
<i>Staphylococcus</i>	3.25	0.02	0.02	0.00	0.00	1.09	0.79	0.00
<i>Rubrobacter</i>	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00
<i>Sphingomonas</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.50
<i>Propionibacterium</i>	5.79	0.00	0.02	0.00	3.13	0.00	0.26	1.72
<i>Geitlerinema</i>	0.00	0.17	0.21	0.21	0.29	0.30	1.05	8.59
<i>Congregibacter</i>	0.00	0.90	0.06	13.04	0.00	2.68	0.00	0.00
<i>Methylobacterium</i>	18.36	0.00	0.00	0.11	9.87	0.00	0.39	0.00
<i>Pelobacter</i>	0.00	0.00	0.08	0.00	2.93	0.00	0.00	0.00
<i>Corynebacterium</i>	5.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oceanospirillum</i>	0.56	8.68	13.36	69.40	8.80	23.60	23.55	1.91
<i>Lactobacillus</i>	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.00
<i>Rheinheimera</i>	24.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Halomonas</i>	0.56	21.27	13.21	1.05	8.99	5.29	3.42	0.00
<i>Alicyclobacillus</i>	2.54	0.13	0.02	0.95	8.70	0.61	26.58	14.69
<i>Thalassospira</i>	0.00	0.00	0.00	0.00	0.00	0.00	3.29	0.00
<i>Aeromonas</i>	0.00	0.00	0.00	0.00	0.00	0.00	2.11	0.00

Supplementary Table S3 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each baseline coral sample from *S. apicalis*' territories.

Taxa	Coral Sample						
	1	2	3	4	5	6	7
<i>Rhodovibrio</i>	0.00	0.00	0.00	0.00	3.28	0.00	0.00
<i>Pseudomonas</i>	0.40	10.64	0.73	1.48	1.50	2.19	1.61
<i>Candidatus Amoebophilus</i>	0.10	0.00	3.85	0.00	5.87	0.00	4.44
<i>Neptunomonas</i>	33.30	2.23	41.28	13.05	12.57	28.69	48.06
<i>Gloeotrichia</i>	9.43	8.42	1.47	0.25	6.01	0.00	1.14
<i>Chryseobacterium</i>	0.00	2.48	0.00	0.00	0.00	0.00	0.00
<i>Marinobacter</i>	1.50	0.00	1.28	6.16	3.83	6.57	11.22
<i>Bartonella</i>	0.00	0.25	0.00	20.69	0.41	0.00	0.00
<i>Gordonia</i>	0.00	7.43	0.00	0.00	0.00	0.00	0.00
<i>Propionibacterium</i>	0.50	0.00	4.40	8.37	0.00	2.99	0.38
<i>Ruegeria</i>	0.00	0.00	0.00	0.00	0.00	2.99	0.00
<i>Prochlorococcus</i>	6.22	0.00	5.69	3.45	2.05	0.20	0.00
<i>Pelobacter</i>	0.00	0.00	0.00	3.69	0.41	1.99	0.03
<i>Corynebacterium</i>	0.00	9.65	0.00	0.00	0.00	0.00	0.06
<i>Salinicoccus</i>	0.00	2.48	0.00	0.00	0.00	0.00	0.00
<i>Oceanospirillum</i>	36.51	25.74	15.96	18.47	55.60	38.25	10.87
<i>Epulopiscium</i>	0.00	0.00	2.20	0.00	0.00	0.00	0.00
<i>Halomonas</i>	1.40	0.00	0.55	5.91	2.05	4.78	18.36
<i>Alicyclobacillus</i>	1.60	0.00	18.72	8.87	2.32	1.39	1.17
<i>Leucothrix</i>	0.00	26.49	0.00	0.00	0.00	0.00	0.00

Supplementary Table S4 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each baseline coral sample from *S. nigricans*' territories.

Taxa	Coral Sample								
	1	2	3	4	5	6	7	8	9
<i>Ralstonia</i>	2.31	0.00	0.84	2.02	0.06	0.24	1.28	0.47	3.42
<i>Marinobacter</i>	2.57	17.12	6.90	3.95	15.15	15.26	13.76	13.22	6.12
<i>Pelobacter</i>	0.13	0.19	3.23	3.34	0.14	0.00	0.00	0.00	0.00
<i>Oceanospirillum</i>	8.35	5.07	21.74	12.26	6.56	1.36	2.68	4.75	7.68
<i>Congregibacter</i>	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Magnetospirillum</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.59
<i>Neptunomonas</i>	20.74	60.37	46.42	40.20	62.99	59.86	54.19	46.58	25.15
<i>Acinetobacter</i>	47.64	8.91	11.63	32.29	7.23	17.64	20.97	21.22	27.27
<i>Candidatus Amoebophilus</i>	9.21	0.00	5.85	0.00	0.00	0.00	0.00	0.00	0.00
<i>Halomonas</i>	0.60	5.74	1.99	1.27	6.67	3.40	5.50	4.43	1.89
<i>Gloetrichia</i>	0.39	0.00	0.47	0.04	0.00	0.00	0.00	6.88	0.00

Supplementary Table S5 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after six months of transplantation from control plots.

Taxa	Coral Sample						
	1	2	3	4	5	6	7
<i>Trichodesmium</i>	0.00	0.19	9.99	0.00	1.43	0.00	0.12
<i>Synechococcus</i>	0.34	0.14	3.28	0.00	0.71	0.58	2.55
<i>Marinobacter</i>	12.55	18.07	0.08	0.28	0.89	0.07	0.54
<i>Pelobacter</i>	1.27	2.13	0.00	2.15	0.00	0.00	0.22
<i>Spirulina</i>	0.07	0.00	1.20	0.00	2.32	0.66	0.52
<i>Anabaena</i>	0.48	0.19	2.96	0.00	2.14	12.35	8.49
<i>Geitlerinema</i>	0.11	0.05	0.40	0.00	1.07	2.34	3.15
<i>Oceanospirillum</i>	1.45	2.13	0.00	14.26	0.00	0.00	0.00
<i>Ruegeria</i>	0.41	0.00	2.32	0.00	1.60	0.58	1.00
<i>Afifella</i>	0.04	0.00	0.00	0.00	0.89	4.09	0.86
<i>Neptunomonas</i>	32.48	58.86	0.00	3.18	0.00	0.07	0.02
<i>Acinetobacter</i>	14.00	9.66	0.48	50.59	0.00	0.00	0.06
<i>Oscillatoria</i>	1.90	0.00	27.98	0.00	24.24	37.72	17.63
<i>Bartonella</i>	17.39	0.00	0.08	0.00	0.89	0.07	1.55
<i>Leptolyngbya</i>	0.15	0.07	20.86	0.00	16.40	7.09	10.70
<i>Rhodopirellula</i>	0.00	0.00	0.24	0.14	2.32	1.24	1.22
<i>Mesorhizobium</i>	0.60	0.00	0.16	0.00	2.67	1.17	0.80
<i>Candidatus Amoebophilus</i>	4.54	0.00	0.40	0.21	0.36	0.37	0.30
<i>Pseudanabaena</i>	0.00	0.00	0.00	0.00	5.70	1.17	0.12
<i>Halomonas</i>	3.28	5.53	0.00	0.00	0.18	0.00	0.10
<i>Labrenzia</i>	0.71	0.00	0.56	0.00	1.43	1.39	2.47
<i>Kangiella</i>	0.00	0.00	0.16	9.41	0.00	0.00	0.02
<i>Escherichia</i>	0.00	0.00	0.00	14.67	0.00	0.07	0.00
<i>Rhodovibrio</i>	0.15	0.00	0.56	0.00	0.00	0.66	2.03
<i>Gloeotrichia</i>	2.38	0.00	0.72	0.00	3.92	0.58	4.32
<i>Prochlorothrix</i>	0.07	0.00	1.28	0.00	0.71	0.95	2.17

Supplementary Table S6 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after six months of transplantation from *S. apicalis*' territories.

Taxa	Coral Sample							
	1	2	3	4	5	6	7	8
<i>Trichodesmium</i>	0.00	0.06	0.17	0.00	0.31	2.63	0.30	1.75
<i>Ralstonia</i>	11.02	0.04	0.91	1.78	0.00	0.00	0.00	0.00
<i>Synechococcus</i>	0.25	0.08	0.02	0.00	2.08	3.57	1.69	2.21
<i>Marinobacter</i>	0.33	18.94	21.10	8.08	0.23	0.66	0.70	0.93
<i>Pelobacter</i>	0.00	0.61	0.47	5.37	0.62	0.00	0.30	1.05
<i>Geobacter</i>	3.14	0.00	0.09	0.42	0.00	0.00	0.60	0.00
<i>Gloeobacter</i>	0.00	0.00	0.00	0.00	0.54	0.00	0.20	8.16
<i>Spirulina</i>	0.00	0.00	0.00	0.00	6.01	2.73	2.49	4.55
<i>Anabaena</i>	0.00	0.55	0.00	0.00	8.64	5.93	12.62	8.04
<i>Geitlerinema</i>	0.00	0.00	0.00	0.00	1.93	1.03	2.19	1.63
<i>Oceanospirillum</i>	1.61	3.52	2.70	10.41	0.15	0.00	0.00	0.00
<i>Ruegeria</i>	0.77	0.06	0.00	0.06	2.78	1.41	0.70	1.75
<i>Wolbachia</i>	0.00	0.00	0.00	0.16	2.54	1.41	0.50	0.00
<i>Neptunomonas</i>	0.54	63.77	51.38	39.20	0.00	0.38	0.00	0.12
<i>Acinetobacter</i>	73.11	5.47	14.16	21.36	0.15	0.00	0.10	0.00
<i>Candidatus Microthrix</i>	0.00	0.00	0.00	0.06	2.39	0.56	0.00	1.05
<i>Oscillatoria</i>	0.02	0.55	0.02	0.00	14.80	16.65	20.97	14.34
<i>Prochlorococcus</i>	0.08	0.00	0.00	0.00	2.00	0.09	0.00	3.73
<i>Leptolyngbya</i>	0.08	0.19	0.00	0.03	14.34	7.24	22.07	7.23
<i>Halomonas</i>	0.00	3.77	5.96	2.94	0.00	0.00	0.10	0.00
<i>Labrenzia</i>	0.13	0.15	0.11	0.00	0.46	2.16	2.09	0.93
<i>Rhodovibrio</i>	0.00	0.00	0.02	0.00	0.23	0.94	0.50	3.15
<i>Chamaesiphon</i>	0.00	0.00	0.00	0.00	0.00	0.19	2.58	1.86
<i>Gloeotrichia</i>	0.00	0.00	0.00	1.07	1.00	2.26	0.99	1.63

Supplementary Table S7 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after six months of transplantation from *S. nigricans*' territories.

Taxa	Coral Sample								
	1	2	3	4	5	6	7	8	9
<i>Balneatrix</i>	2.16	0.79	2.12	2.12	1.66	4.47	0.14	0.03	1.95
Rhodobacteraceae	2.65	4.86	7.41	8.73	4.62	6.50	0.56	0.39	7.00
<i>Rhodobium</i>	1.94	0.12	1.15	1.92	2.70	1.72	0.14	0.03	2.28
<i>Andersenella</i>	0.35	2.32	1.02	0.56	0.50	0.23	0.00	0.08	0.39
<i>Pedinomonas</i>	0.00	0.46	0.13	0.70	0.68	0.13	8.11	0.49	1.44
<i>Crenothrix</i>	0.77	2.28	2.81	5.05	3.56	3.70	0.35	0.00	3.00
<i>Prochlorothrix</i>	0.35	0.58	2.12	1.19	0.27	0.08	0.35	0.00	0.30
<i>Pleurocapsa</i>	1.23	0.66	6.16	2.26	2.43	2.93	0.35	0.03	1.23
<i>Nitratireductor</i>	0.09	0.00	0.33	0.31	0.15	0.10	6.01	0.00	0.21
<i>Leptolyngbya</i>	3.81	0.62	5.80	5.69	3.53	5.09	2.52	0.03	5.83
<i>Endozoicomonas</i>	0.07	50.73	0.26	0.07	0.86	0.05	45.98	88.78	0.00
<i>Prochlorococcus</i>	0.04	1.37	1.41	0.45	2.40	0.10	1.12	0.33	0.45
Nannocystineae	3.11	0.75	1.23	1.90	1.96	2.26	0.42	0.05	2.22
<i>Arthrospira</i>	0.57	0.12	2.40	0.22	1.01	0.82	0.70	0.00	0.45
Cystobacterineae	0.62	4.86	1.99	0.47	0.50	0.10	1.40	0.13	0.36
Comamonadaceae	0.90	0.58	0.72	1.10	1.22	2.36	0.84	0.08	5.68
Phyllobacteriaceae	2.78	0.95	0.64	1.22	1.24	0.82	0.07	0.03	0.93
<i>Chroococidiopsis</i>	0.75	0.29	2.15	2.69	1.72	4.96	0.21	0.00	2.55
<i>Wenxinia</i>	0.82	2.20	1.92	1.19	1.27	0.54	0.77	0.08	0.84
<i>Micrococcus</i>	0.00	0.00	0.00	0.00	0.00	0.00	2.80	0.00	0.00
<i>Oscillatoria</i>	5.31	0.71	1.33	2.89	1.60	11.74	0.63	0.00	0.87
Rhodospirillaceae	8.38	0.62	4.91	6.20	7.47	5.70	0.28	0.15	6.73
<i>Rivularia</i>	4.39	3.57	9.20	11.24	8.45	3.06	0.98	0.05	3.06
<i>Leptospirillum</i>	2.05	0.04	1.28	0.57	1.84	1.49	0.00	0.00	2.16

Supplementary Table S8 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after one year of transplantation from control plots.

Taxa	Coral Sample								
	1	2	3	4	5	6	7	8	9
<i>Haliea</i>	1.21	0.13	0.00	0.17	0.99	0.19	0.36	0.39	2.03
<i>Balneatrix</i>	4.38	0.28	0.00	0.04	2.13	2.35	1.97	0.42	3.32
<i>Muricauda</i>	1.11	0.04	0.00	0.00	2.57	1.20	0.87	1.00	0.65
Rhodobacteraceae	6.26	0.61	0.00	1.86	7.22	9.39	4.30	3.80	4.50
<i>Pedinomonas</i>	0.25	0.43	0.06	0.72	1.03	3.73	2.02	1.58	1.74
<i>Crenothrix</i>	3.82	0.09	0.00	0.13	0.94	8.49	14.67	1.62	1.10
<i>Pleurocapsa</i>	2.44	0.04	0.00	0.21	1.19	1.61	0.79	0.70	1.27
<i>Ruegeria</i>	1.16	0.17	0.34	0.30	0.92	0.57	0.74	0.93	2.34
<i>Leptolyngbya</i>	9.44	0.19	0.00	0.38	2.59	3.43	2.42	2.06	3.83
<i>Burkholderia</i>	0.03	0.19	0.26	2.53	0.00	0.00	0.00	0.00	0.03
<i>Endozoicomonas</i>	0.06	86.58	94.78	7.34	0.10	0.03	0.02	0.22	0.23
<i>Microcoleus</i>	0.08	0.09	0.00	0.00	0.21	0.03	0.07	0.65	5.40
<i>Geitlerinema</i>	0.83	0.00	0.00	0.00	1.38	1.56	2.07	0.62	0.39
<i>Anabaena</i>	0.76	0.04	0.00	0.04	2.91	0.73	2.06	1.58	0.76
<i>Calothrix</i>	9.47	0.06	0.00	0.00	1.05	0.13	0.63	0.02	0.25
<i>Prochlorococcus</i>	2.29	0.30	0.09	0.51	0.59	1.40	0.86	0.49	0.37
<i>Scherffelia</i>	0.67	0.43	0.40	17.30	0.64	1.47	2.64	2.78	2.22
Nannocystineae	3.30	0.09	0.00	0.08	1.62	0.79	0.70	0.57	3.52
<i>Trichodesmium</i>	0.17	0.00	0.00	0.00	2.36	0.14	0.05	0.00	0.08
<i>Arthrospira</i>	0.33	0.00	0.00	2.95	0.23	0.84	0.10	0.00	0.00
Cystobacterineae	1.07	0.32	2.38	2.49	1.19	0.90	0.51	0.39	0.51
<i>Pseudovibrio</i>	0.00	0.00	0.00	0.00	6.40	0.00	0.21	0.06	0.00
<i>Acinetobacter</i>	0.02	0.04	0.09	34.56	0.00	0.02	0.10	0.12	0.03
<i>Rhodovulum</i>	0.07	0.00	0.00	0.00	0.06	0.06	0.05	3.21	0.11
Comamonadaceae	1.84	0.06	0.00	0.00	0.92	1.28	0.43	0.51	2.05
<i>Chroococciopsis</i>	1.88	1.06	0.00	13.59	1.40	3.80	5.95	4.20	1.77
<i>Wenxinia</i>	1.62	0.17	0.00	0.00	1.50	0.98	1.08	3.72	1.21
<i>Pelagibius</i>	0.15	0.09	0.00	0.00	0.39	0.55	0.60	3.74	0.14
<i>Oscillatoria</i>	1.70	0.26	0.00	0.34	1.42	12.15	9.32	19.34	1.32
Rhodospirillaceae	1.63	1.00	0.09	0.08	5.62	4.91	6.61	3.40	3.88
<i>Rivularia</i>	6.97	0.11	0.00	0.34	9.60	10.31	2.40	2.09	5.21

Supplementary Table S9 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after one year of transplantation from *S. apicalis*' territories.

Taxa	Coral Sample								
	1	2	3	4	5	6	7	8	9
<i>Balneatrix</i>	1.09	0.97	3.33	0.10	0.00	5.66	1.55	0.00	0.38
<i>Muricauda</i>	0.08	0.47	0.00	0.03	0.19	0.80	0.39	2.66	0.28
Rhodobacteraceae	3.71	1.75	3.66	0.00	2.52	9.04	3.79	3.25	3.18
<i>Rhodobium</i>	2.18	0.90	0.29	0.00	0.23	1.02	0.52	0.42	1.62
<i>Crenothrix</i>	1.51	0.00	19.84	0.00	1.21	12.76	1.65	0.67	1.65
<i>Pleurocapsa</i>	1.68	1.98	0.33	0.00	0.14	3.04	2.30	0.25	2.68
<i>Ruegeria</i>	0.72	2.05	0.14	0.23	0.14	1.05	2.78	1.58	1.08
<i>Massilia</i>	0.00	3.92	0.00	0.00	0.05	0.02	0.00	0.58	0.00
<i>Bartonella</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.34
<i>Leptolyngbya</i>	1.80	0.50	0.14	0.00	0.14	4.83	3.50	0.58	3.36
<i>Burkholderia</i>	0.00	0.45	3.19	0.30	0.05	0.00	0.13	6.99	0.00
<i>Endozoicomonas</i>	0.47	42.92	58.33	92.70	83.52	0.07	45.21	14.65	0.47
<i>Nitrosococcus</i>	2.56	0.22	0.67	0.03	0.23	0.67	0.16	0.58	1.06
<i>Anabaena</i>	2.00	0.09	0.00	0.00	0.00	0.50	0.19	0.00	5.39
<i>Calothrix</i>	0.06	0.30	1.38	0.00	0.70	5.78	0.13	0.00	0.24
<i>Scherffelia</i>	1.97	0.67	0.00	0.07	0.00	0.20	0.94	15.15	1.06
Cystobacterineae	0.28	0.00	0.00	1.58	0.51	0.12	0.55	2.83	0.59
<i>Acinetobacter</i>	0.04	9.07	0.00	0.03	1.03	0.00	0.00	0.00	0.02
Phyllobacteriaceae	0.72	1.23	0.33	0.00	0.00	0.87	1.23	0.92	2.92
<i>Chroococidiopsis</i>	3.63	0.24	0.05	0.00	0.00	2.52	3.85	15.40	3.20
<i>Wenxinia</i>	0.09	0.86	0.05	0.00	0.56	2.14	1.88	1.08	0.64
<i>Oscillatoria</i>	16.20	0.00	0.10	0.00	1.68	2.59	0.19	0.58	5.72
Rhodospirillaceae	9.60	1.85	0.00	0.00	0.05	1.54	0.71	0.00	9.22
<i>Ralstonia</i>	0.00	0.13	0.10	0.23	0.00	0.00	0.03	6.16	0.05
<i>Rivularia</i>	0.38	12.81	0.38	0.00	1.40	8.30	1.29	0.17	1.25

Supplementary Table S10 | Assignments of OTUs with at least a two percent relative abundance to genus or next lowest taxonomical unit and their respective relative abundance in each coral sample after one year of transplantation from *S. nigricans*' territories.

Taxa	Coral Sample									
	1	2	3	4	5	6	7	8	9	10
<i>Rivularia</i>	4.41	0.15	0.30	0.29	0.90	0.27	0.50	0.00	0.85	1.53
Rhodobacteraceae	10.62	12.50	3.62	8.85	7.60	3.43	4.54	0.03	5.41	14.83
<i>Mycoplasma</i>	3.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
<i>Microcoleus</i>	0.49	2.34	0.00	1.89	0.31	0.44	0.79	0.03	0.07	0.10
<i>Chroococciopsis</i>	3.10	3.50	1.15	4.89	2.69	2.62	4.68	0.17	3.21	3.92
<i>Anabaena</i>	1.58	0.83	2.93	2.68	0.55	1.62	1.76	0.07	0.68	3.56
<i>Pellia</i>	0.22	0.00	0.00	1.51	0.23	0.10	6.38	0.14	0.00	0.00
<i>Pseudovibrio</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	7.62	0.00
<i>Ruegeria</i>	1.58	0.56	12.20	0.84	2.22	0.34	0.76	0.00	4.31	0.80
<i>Crenothrix</i>	8.55	12.60	0.36	5.13	13.84	3.06	1.08	0.03	1.71	15.23
<i>Rhodobium</i>	0.71	0.95	0.16	1.28	0.31	0.56	1.05	0.00	2.28	0.40
Nannocystineae	5.50	7.20	3.06	4.89	4.33	2.16	2.55	0.03	4.27	5.19
<i>Pleurocapsa</i>	1.74	3.41	0.92	2.42	0.94	0.93	1.87	0.01	2.56	0.93
<i>Calothrix</i>	11.55	2.07	18.45	2.13	1.52	0.07	0.94	0.04	2.85	14.83
<i>Oscillatoria</i>	5.34	19.68	0.13	17.68	1.72	8.06	2.43	0.04	0.71	6.05
Phyllobacteriaceae	2.56	1.31	1.28	0.84	1.72	1.18	1.00	0.07	1.89	0.70
<i>Scherffelia</i>	3.59	0.34	2.43	4.25	4.60	2.28	14.81	0.11	3.03	1.63
<i>Leptolyngbya</i>	1.53	1.36	1.84	2.74	1.01	0.88	1.73	0.01	1.07	1.03
<i>Balneatrix</i>	7.24	3.09	2.93	3.20	2.81	1.59	1.70	0.01	7.51	2.86
<i>Endozoicomonas</i>	0.00	0.51	23.72	0.17	1.48	0.00	0.00	96.25	17.09	0.00
<i>Nitratireductor</i>	0.00	0.00	1.28	0.03	0.04	0.00	0.09	0.00	6.02	0.00
<i>Pedinomonas</i>	1.20	0.02	1.45	2.13	20.47	29.54	3.83	0.00	3.60	2.26
<i>Coleochaete</i>	0.71	0.00	0.07	5.10	13.96	24.74	23.62	0.10	0.00	0.33
Rhodospirillaceae	1.63	4.84	0.69	3.26	1.72	1.27	3.92	0.06	1.89	1.99
Comamonadaceae	1.91	3.21	0.82	3.12	0.70	1.25	0.82	0.01	0.57	1.10

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