

Table S2. Accession numbers and details of BLAST and RDP classifier analysis for culturable bacteria isolated from *Turbinaria mesenterina*

Isolate Name	Accession number(s)	Sample category*	RDP Classifier Taxon (80% confidence threshold)	Nearest Relative [accession number]	% Identity to nearest relative
2.3.053CC3	EU267644	C	Flavobacteriaceae (genus <i>Winogradskyella</i> )	Winogradskyella poriferorum strain UST030701-295 [AY848823]	97%
2.3.053CC4	EU267623	C	Rhodobacteraceae (genus <i>Ruegeria</i> )	<i>Ruegeria atlantica</i> [JN128252]	100%
4.5.0412CS1	EU276994	C	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	97%
4.5.0412CS2a	EU267654	C	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO6 [DQ985833]	98%
4.5.0412CS3	EU267612	C	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO9 [DQ985870]	99%
4.5.0412CS4	EU267616	C	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	99%
4.5.0412CS7	EU276996	C	Vibrionaceae (genus <i>Photobacterium</i> )	Photobacterium lutimaris strain DF-42 [DQ534014]	97%
4.5.0412CS8		C	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. V639 [DQ146989]	98%
4.5.0412CS9	EU267624	C	Vibrionaceae (genus <i>Photobacterium</i> )	Photobacterium sp. YL2 [EF187015]	99%
4.5.0412CS11	EU277000	C	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. V051 [DQ146974]	
4.5.0412CS12	EU276992	C	Rhodobacteraceae (genus <i>Paracoccus</i> )	Paracoccus sp. JL1105 [DQ985064]	97%
2.3.052HS1	EU267665	H	Unclassified Gammaproteobacteria	Uncultured <i>Vibrio</i> sp. clone 12 [AY785252]	93%
2.3.052HS2	EU267640	H	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. YASM14 [DQ314529]	97%
2.3.053HC2	EU267668	H	Moraxellaceae (genus <i>Psychrobacter</i> )	<i>Psychrobacter celer</i> strain KOPRI24932 [EF101550]	99%
2.3.053HS1	EU267669	H	Unclassified Rhodobacteraceae	Rhodobacteraceae bacterium CL-TA03 [AY962292]	97%
2.3.053HS2	EU267629	H	Shewanellaceae (genus <i>Shewanella</i> )	<i>Shewanella</i> sp. C321 [DQ005902]	99%
2.3.053HS3	EU267634	H	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. HB-8 [AY876051]	97%
2.3.053HS5	EU267635	H	Pseudoalteromonadaceae (genus <i>Pseudoalteromonas</i> )	Marine bacterium LMG1 [AY082666]	98%

\* Sample categories - C - Completely healthy coral colonies with no sign of ASWS, H - Apparently healthy tissue of colonies affected by ASWS, M - Margin of ASWS disease lesions, D - Exposed coral skeleton adjacent to margin of disease lesion

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4.5.0412HS1	EU267656	H	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	99%
4.5.0412HS3	EU277002	H	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. A2 [EF467288]	98%
4.5.0412HS4	EU276998	H	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	97%
2.3.052MS2	EU267650	M	unclassified Gammaproteobacteria	Uncultured <i>Vibrio</i> sp. clone 12 [AY785252]	94%
2.3.052MS3	EU267662	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio harveyi</i> strain LB4 [DQ146935]	99%
2.3.052MS5	EU267643	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO12 [DQ985839]	99%
2.3.053MS1	EU267636	M	Unclassified Rhodobacteraceae	Uncultured alpha proteobacterium clone JL-ECS-X8 [AY663968]	96%
2.3.053MS2	EU267638	M	Rhodobacteraceae (genus <i>Silicibacter</i> )	Rhodobacteraceae bacterium CL-TA03 [AY962292]	94%
2.3.053MS3	EU267639	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio harveyi</i> strain LB4 [DQ146935]	98%
2.3.053MS4	EU267647	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio harveyi</i> strain LB4 [DQ146935]	99%
2.3.053MS5	EU267670	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO6 [DQ985833]	98%
4.5.0412MS1	EU276989	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO9 [DQ985870]	98%
4.5.0412MS2	EU276993	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. PH1 [AF513461]	97%
4.5.0412MS3	EU276999	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio harveyi</i> strain LB4 [DQ146935]	97%
4.5.0412MS4	EU267657 EU276995	M	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. BA2 [EF187016]	97%
4.5.0412MS5	EU276990	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO9 [DQ985870]	98%
4.5.0412MS6	EU267653 EU259885	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO10 [DQ985871]	99%
4.5.0412MS7	EU267659	M	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO9 [DQ985836]	98%

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2.3.052DS1	EU267664	D	Ferrimonidaceae (genus <i>Ferrimonas</i> )	Ferrimonas kyonanensis [AB245514]	97%
2.3.052DS2	EU267642	D	Vibrionaceae (genus <i>Vibrio</i> )	Vibrio sp. R-14939, strain R-14939 [AJ316187]	96%
2.3.052DS3	EU267648	D	Vibrionaceae (genus <i>Vibrio</i> )	Vibrio sp. V639 [DQ146989]	98%
2.3.052DS4	EU267630	D	Vibrionaceae (genus <i>Vibrio</i> )	Vibrio harveyi strain LB4 [DQ146935]	99%
2.3.052DS5	EU267649	D	Unclassified Rhodobacteraceae	Rhodobacteraceae bacterium CL-TA03 [AY962292]	96%
2.3.053DC1	EU267631	D	Vibrionaceae (genus <i>Vibrio</i> )	Vibrio harveyi strain LB4 [DQ146935]	97%
2.3.053DC2	EU267632	D	Rhodobacteraceae (genus <i>Silicibacter</i> )	Rhodobacteraceae bacterium CL-TA03 [AY962292]	96%
2.3.053DC3	EU267666	D	Vibrionaceae (genus <i>Vibrio</i> )	Uncultured gamma proteobacterium clone UA07 [DQ269050]	97%
2.3.053DC4	EU267651	D	Unclassified Rhodobacteraceae	Rhodobacteraceae bacterium CL-TA03 [AY962292]	98%
2.3.053DC5		D	Unclassified Gammaproteobacteria	Vibrio sp. V068 [DQ146975]	97%
2.3.053DC6	EU267633	D	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO12 [DQ985839]	94%
2.3.053DC8	EU267637	D	Unclassified Rhodobacteraceae	Unidentified bacterium clone WP2OTU8 [DQ985908]	96%
2.3.053DC9	EU267645	D	Vibrionaceae (genus <i>Vibrio</i> )	Vibrio sp. HB-8 [AY876051]	98%
2.3.053DS1	EU267646	D	Unclassified Rhodobacteraceae	Rhodobacteraceae bacterium CL-TA03 [AY962292]	98%
2.3.053DS2	EU267641	D	Pseudoalteromonadaceae (genus <i>Pseudoalteromonas</i> )	Unidentified bacterium clone WP2OTU33 [DQ985917]	96%

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2.3.053DS3	EU267667	D	Vibrionaceae (genus <i>Vibrio</i> )	<i>Vibrio</i> sp. LC1-199 [AB239472]	99%
2.3.053DS4	EU267652	D	Incertae sedis 7 (genus <i>Agarivorans</i> )	<i>Agarivorans</i> albus, strain:MKT112 [AB076562]	96%
4.5.0412DS1	EU267608	D	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	97%
4.5.0412DS2	EU267617	D	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO9 [DQ985870]	97%
4.5.0412DS3a	EU276997	D	Vibrionaceae (genus <i>Vibrio</i> )	Uncultured bacterium isolate LCPISO4 [DQ831087]	95%
4.5.0412DS4	EU267655	D	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP2ISO14 [DQ985841]	98%
4.5.0412DS6	EU276991	D	Vibrionaceae (genus <i>Vibrio</i> )	Bacterium WP3ISO9 [DQ985870]	96%
4.5.0412DS8	EU267609	D	Pseudoalteromonadaceae (genus <i>Pseudoalteromonas</i> )	Bacterium WP3ISO11 [DQ985872]	96%
4.5.0412DS11	EU277001	D	Vibrionaceae (genus <i>Enterovibrio</i> )	<i>Enterovibrio</i> norvegicus strain LMG 19842 [AJ437193]	98%

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