

The following supplement accompanies the article

Detecting respiratory bacterial communities of wild dolphins: implications for animal health

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Supplement

Table S1. Shared OTUs between individual dolphin samples.

Group	Individuals	OTU	Lowest Taxonomic Identification
NA	Chesapeake, Nani & Jade	sp10	<i>Gammaproteobacteria</i>
NA	Spirit, Nani & Jade	sp3	<i>Gammaproteobacteria</i>
NA	Chesapeake, Spirit & Jade	sp7	<i>Gammaproteobacteria</i>
NA	Jade & Chesapeake	sp10	<i>Gammaproteobacteria</i>
NA	Jade & Chesapeake	sp25	<i>Proteobacteria</i>
NA	Jade & Chesapeake	sp59	<i>Campylobacterales</i>
NA	Jade & Chesapeake	sp7	<i>Gammaproteobacteria</i>
NA	Nani & Chesapeake	sp10	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp10	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp18	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp22	<i>Flavobacteriaceae</i>
NA	Nani & Jade	sp23	<i>Tenacibaculum</i>
NA	Nani & Jade	sp3	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp34	<i>Flavobacteriaceae</i>
NA	Nani & Jade	sp39	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp53	<i>Gammaproteobacteria</i>
NA	Nani & Jade	sp57	<i>Gammaproteobacteria</i>
NA	Spirit & Chesapeake	sp7	<i>Gammaproteobacteria</i>
NA	Spirit & Chesapeake	sp78	<i>Pseudomonadaceae</i>
NA	Spirit & Jade	sp3	<i>Gammaproteobacteria</i>
NA	Spirit & Jade	sp41	<i>Flavobacteriaceae</i>
NA	Spirit & Jade	sp66	Unclassified
NA	Spirit & Jade	sp7	<i>Gammaproteobacteria</i>
NA	Spirit & Nani	sp3	<i>Gammaproteobacteria</i>
SB	Shared with 10 samples	sp1050	Unclassified
SB	Shared with 9 samples	sp1046	<i>Comamonadaceae</i>
SB	Shared with 8 samples	sp1021	<i>Phenylobacterium</i>

SB	Shared with 7 samples	sp1005	<i>Proteobacteria</i>
SB	Shared with 7 samples	sp993	<i>Caulobacteraceae</i>
SB	Shared with 6 samples	sp1004	<i>Pedomicrobium</i>
SB	Kiya & Puck	sp993	<i>Caulobacteraceae</i>
SB	Puck & Piccolo	sp1004	<i>Pedomicrobium</i>
SB	Puck & Piccolo	sp1005	<i>Proteobacteria</i>
SB	Puck & Piccolo	sp1021	<i>Phenylobacterium</i>
SB	Puck & Piccolo	sp1046	<i>Comamonadaceae</i>
SB	Puck & Piccolo	sp1050	Unclassified
SB	Puck & Piccolo	sp1051	Unclassified
SB	Puck & Piccolo	sp993	<i>Caulobacteraceae</i>
SB	Puck, Piccolo & Kiya	sp993	<i>Caulobacteraceae</i>

Operational taxonomic units (OTUs) shared between individual dolphins for a number of samples from within the group for Shark Bay (SB) or National Aquarium (NA) samples.

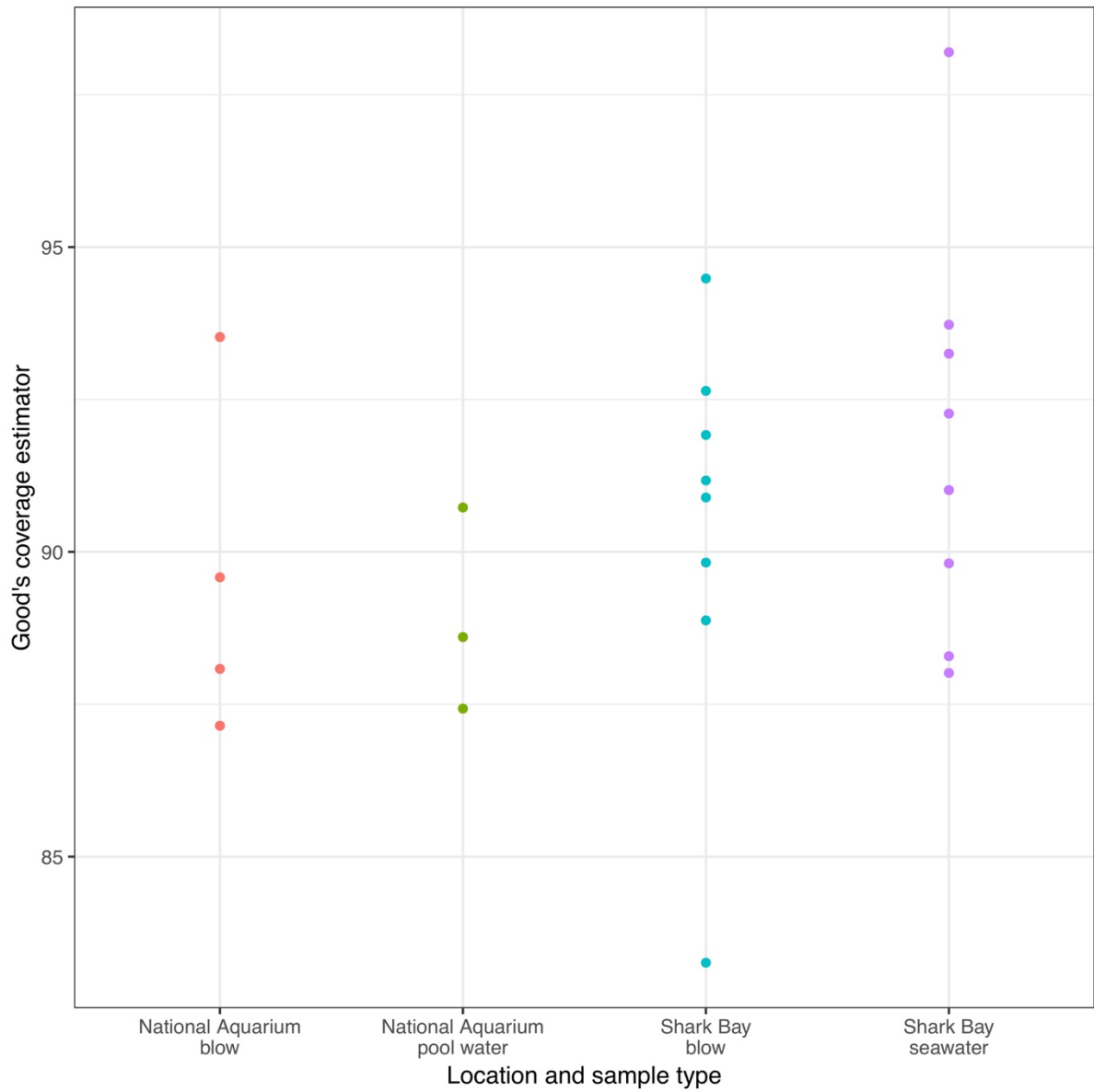


Figure S1. Good's coverage estimator for sample types from each sampling location

Dots represent the Good's coverage estimator for each sampling group.

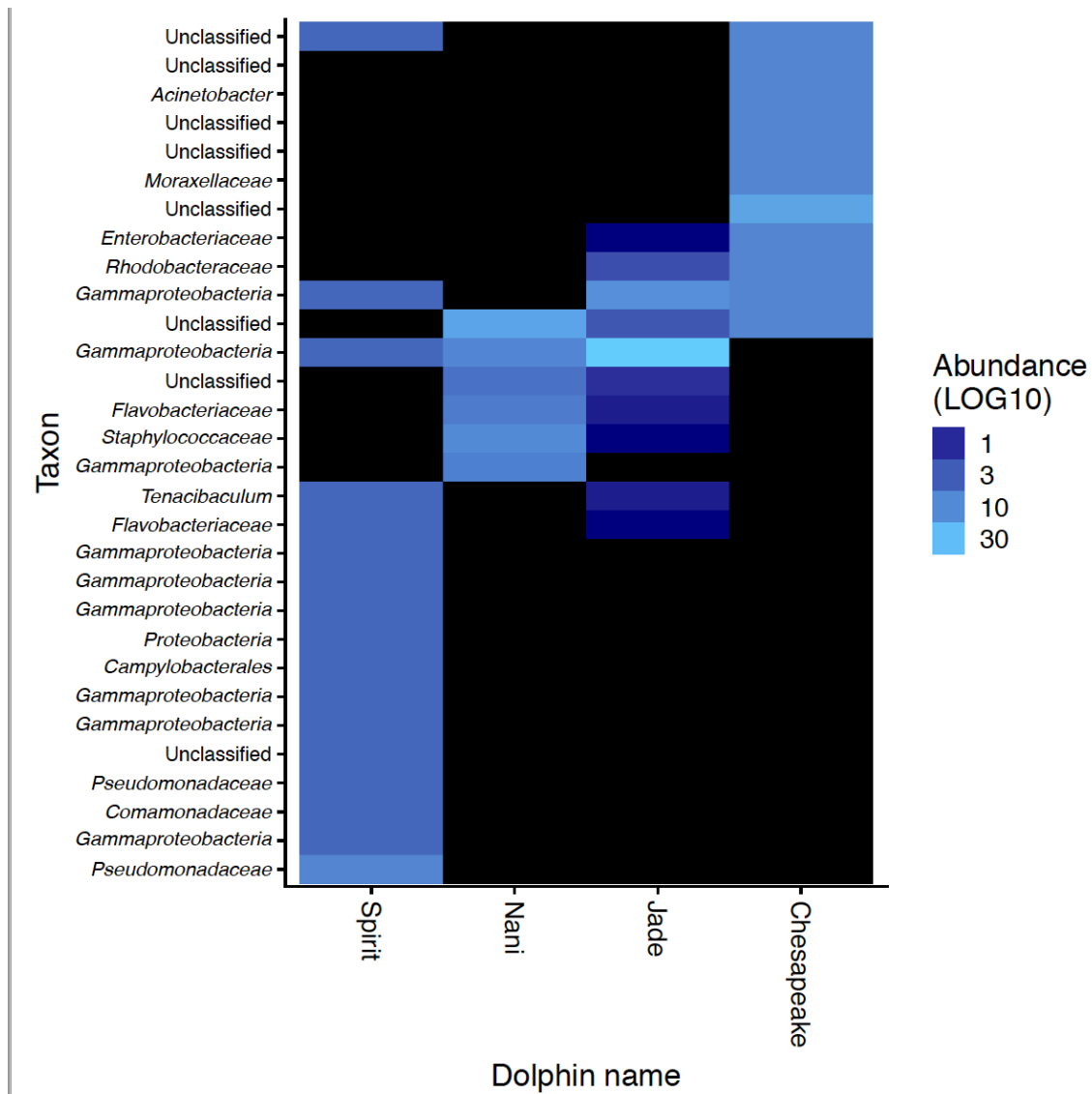


Figure S2. Similarity of bacterial community between National Aquarium individuals

Heatmap displays the top 30 OTUs present in each dolphin blow for individuals from National Aquarium. Black cells indicate no record of the OTU and therefore an abundance of 0 in that individual. Removal of OTUs present in environmental water samples was conducted before calculation of abundances.