

Table S1: Species identified using MALDI-TOF and 16S rRNA Sanger sequencing.

Neck			
Species	Number of isolates	MALDI-TOF identification: N (score)	16S rRNA N (bp /% Identity)
<i>C. freundii</i>	2	2 (2.262)	–
<i>E. coli</i>	1	1 (1.835)	–
<i>Salmonella</i> sp.	1	1 (1.842)	–
<i>S. ureylitica</i>	1	1 (2.281)	–
<i>P. mirabilis</i>	1	1 (2.010)	–
<i>E. faecalis</i>	8	6 (2.255)	2 (504/97)
<i>Microbacterium</i> spp.	5	–	5 (423/98)
<i>C. cellulans</i>	8	5 (2.035)	3 (504/99)

Cloaca			
Species	Number of isolates	MALDI-TOF identification N (score)	16S rRNA N (bp /% Identity)
<i>C. braaki</i>	2	2 (2.043)	–
<i>C. freundii</i>	20	20 (2.281)	–
<i>K. oxytoca</i>	1	1 (2.202)	–
<i>K. variicola</i>	1	1 (1.887)	–
<i>Salmonella</i> sp.	1	1 (1.771)	–
<i>S. marcescens</i>	1	1 (2.405)	–
<i>M. morganii</i>	40	39 (2.180)	1 (446/98)
<i>P. mirabilis</i>	14	14 (2.277)	–
<i>E. faecalis</i>	9	7 (2.199)	2 (516/94)
<i>E. hirae</i>	2	1 (2.464)	1 (390/98)
<i>L. garvieae</i>	1	1 (2.098)	–

N, number of isolates; score, score values; bp, base pair; % Identity of the query with reference

Table S2. Metadata of the 16 captured green turtles.

Turtles	Left Fin Tag	Right Fin Tag	Weight (kg)	CCL (cm)	CCW (cm)	Samples*
<i>C. mydas</i> 1	BR84264	BR85265	96.6	92.0	80.5	1C/1N
<i>C. mydas</i> 2	BRA18245	BR97696	30.9	56.1	63.2	2C/2N
<i>C. mydas</i> 3	BRA18260	BRA18259	74.5	71.6	82.1	3C/3N
<i>C. mydas</i> 4	BRA18216	BRA18215	22.5	49.9	56.8	4C/4N
<i>C. mydas</i> 5	BR97680	BR97679	32.9	64.0	64.2	5C/5N
<i>C. mydas</i> 6	BR97657	BR97689	42.5	66.8	59.5	6C/6N
<i>C. mydas</i> 7	BRA17672	BRA18262	31.8	54.4	62.1	7C/7N
<i>C. mydas</i> 8	BR97684	BR97683	36.5	64.0	55.7	8C/8N
<i>C. mydas</i> 9	BR84237	BR84238	70.0	73.9	74.7	9C/9N
<i>C. mydas</i> 10	BRA18254	BRA18253	28.0	42.8	40.4	10C/10N
<i>C. mydas</i> 11	BRA18214	BRA18212	16.9	49.2	43.9	11C/11N
<i>C. mydas</i> 12	BR97674	BR97673	28.5	50.4	59.5	12C/12N
<i>C. mydas</i> 13	BRA18237	BRA18238	40.3	65.0	69.4	13C/13N
<i>C. mydas</i> 14	BRA18220	BRA18219	12.6	49.3	50.5	14C/14N
<i>C. mydas</i> 15	BR97667	BRA18232	40.9	61.6	69.7	15C/15N
<i>C. mydas</i> 16	BR97678	BRA18218	28.4	60.4	51.4	16C/16N
Average			39.6	60.7	61.5	
Median			32.3	61.0	60.8	
Stdev			22.4	12.2	11.9	

*C - cloaca, N - neck

Figure S1: Map of study location. **A**, Map of South America, showing Brazilian coast, highlighting Rio de Janeiro state littoral; **B**, Rio de Janeiro state shoreline, highlighting Guanabara Bay; **C**, Guanabara Bay, highlighting (red dot) Itaipú Beach, where the green turtles were captured.

