

Table S5. List of genera and percentages of relative abundance of bacteria identified in the three morphotypes with the V4-V5 region. LV = La Vega, BH = Barahonda, LS = Luisines, EP =, AASS = San Sebastián. The percentages of the important genera for each sample are shown in bold.

Genus	LVn (Dark)	BH1 (Pale)	LS1 (Pale)	EP1 (Pale)	AASS1 (Brown)	AASS2 (Brown)	LV2 (Brown)	Chi	P < 0.0018. Bonferroni
<i>Wolbachia</i>	0.16	0.12	2.43	0	79.48	64.85	96.87	327.55	***
<i>Thalassospira</i>	0	0	0.08	0.14	0	0.21	0.05	267.55	***
<i>Streptococcus</i>	0.01	0	0	0.01	0.2	1.45	0.08	6.84	
<i>Spirosoma</i>	0	0.03	0	0	0	0.02	0	0.13	
<i>Spiroplasma</i>	0	0	0	1.72	0	0	0	23.12	*
<i>Sphingomonas</i>	0	0.02	0.72	0	0.13	4.86	0.11	275.68	***
<i>Rickettsia</i>	0.05	0	46.04	0	0	0.02	0	9.93	
<i>Ralstonia</i>	0.26	0.11	3.33	0.05	2.26	0.78	0.21	2.03	
<i>Psychroflexus</i>	0	0	0.02	0.12	0	0.16	0.01	0.25	
<i>Pseudomonas</i>	0.02	0.02	0.15	0.05	0.12	0.75	0.29	0.99	
<i>Phaseolibacter</i>	0	0.23	0	0.11	0	0	0	0.29	
<i>Parvibaculum</i>	0	0	0.05	0.08	0	0.12	0.06	14.71	*
<i>Paenibacillus</i>	0	0.02	0	0	2.77	0.26	0	3.38	

<i>Methylobacterium</i>	0.16	0.05	0	0	0	0.9	0.2	0.68	
<i>Marinobacter</i>	0	0	0.06	0.14	0.01	0.26	0.08	0.26	
<i>Lutibacter</i>	0	0	0.05	0.11	0.01	0.07	0.03	0.68	
<i>Halorubrum</i>	0	0	0.02	0.17	0	0.02	0.02	0.68	
<i>Halomonas</i>	0	0	0.01	0.08	0	0.04	0	0.3	
<i>Erwinia</i>	0.02	0.09	0	0.04	0	0	0	0.32	
<i>Enterobacter</i>	1.88	99.13	0.97	96.35	1.14	0.38	0.58	467.2	***
<i>Ehrlichia</i>	96.13	0	0.16	0	0.01	0	0	575.42	***
<i>Deinococcus</i>	0.02	0	0.23	0	0	3.7	0	20.4	*
<i>Betula platyphylla</i>	0.05	0.01	0.01	0	0.32	0.02	0.01	1.34	
<i>Burkholderia</i>	0.05	0.02	0.94	0	0.45	0	0.05	3.54	
<i>Bacillus</i>	0.01	0.02	0.01	0	0	2.05	0.03	11.76	
<i>Aureimonas</i>	0	0	0	0	0	1.19	0	7.14	
<i>Alcanivorax</i>	0	0	0.04	0.17	0	0.16	0.08	0.52	
<i>Acinetobacter</i>	0.02	0	2.47	0.04	0.26	0.61	0.05	9.83	
Other bacteria	1.17	0.15	42.22	0.62	12.85	17.15	1.21	113.13	***
