

Supplementary Table S3

Rhizosphere microbiomes of European seagrasses are selected by the plant, but are not species specific

Catarina Cúcio, Aschwin H. Engelen, Rodrigo Costa, Gerard Muyzer*

*** Correspondence:** g.muijzer@uva.nl

Supplementary Table S3 – Core rhizobiome of seagrasses. Classification of the 101 OTUs common to the seagrasses *Z. marina*, *Z. noltii* and *C. nodosa* from Portugal and France. The number of sequences indicates the absolute number of reads sequenced from seagrass samples.

Phylum	Class	Order	Family	Genus	# Sequences	# OTUs
Acidobacteria					1879	5
	Acidobacteria-6	CCU21	-	-	151	1
	OS-K	-	-	-	1572	3
	RB25	-	-	-	156	1
Actinobacteria					10020	7
	<i>Acidimicrobiia</i>	<i>Acidimicrobiales</i>	Acidimicrobiaceae	Illumatobacter*	621	1
			C111	-	547	1
			Koll13	-	8852	5
Bacteroidetes					17614	21
	<i>Bacteroidia</i>	<i>Bacteroidales</i>	-	-	6461	8
			SB-1	-	2373	2
	<i>Cytophagia</i>	<i>Cytophagales</i>	<i>Flammeovirgaceae</i>	-	822	1
	<i>Flavobacteriia</i>	<i>Flavobacteriales</i>	<i>Flavobacteriaceae</i>	<i>Lutimonas</i>	5283	3
				<i>Robiginitalea</i>	604	1
				-	1203	2
	-	-	-	-	868	4
Caldithrix					670	1
	<i>Caldithrixae</i>	<i>Caldithrixales</i>	<i>Caldithrixaceae</i>	LCP-26	670	1
Chloroflexi					434	2
	<i>Anaerolineae</i>	S0208	-	-	318	1
	Ellin6529	-	-	-	116	1
Firmicutes					8436	2
	<i>Clostridia</i>	<i>Clostridiales</i>	-	-	8436	2

<i>Gemmatimonadetes</i>				544	1
	Gemm-4	-	-	544	1
<i>Proteobacteria</i>				73130	59
<i>Alphaproteobacteria</i>				3172	7
	<i>Rhizobiales</i>	<i>Hyphomicrobiaceae</i>	<i>Hyphomicrobium</i>	101	1
			-	742	2
	<i>Rhizobiales</i>	<i>Phyllobacteriaceae</i>	-	215	1
	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>	<i>Phaeobacter</i>	1638	1
	<i>Rhodobacterales</i>	<i>Rhodobacteraceae</i>	-	476	2
<i>Deltaproteobacteria</i>				22604	23
	<i>Desulfarculales</i>	<i>Desulfarculaceae</i>	-	142	1
	<i>Desulfobacterales</i>	<i>Desulfobulbaceae</i>	<i>Desulfocapsa</i>	223	1
			-	5505	7
		<i>Desulfobacteraceae</i>	<i>Desulfococcus</i>	8236	5
			<i>Desulfosarcina</i>	1579	1
			-	5399	5
	<i>Myxococcales</i>	-	-	949	1
	NB1-J	-	-	103	1
	-	-	-	468	1
<i>Epsilonproteobacteria</i>				16649	3
	<i>Campylobacterales</i>	<i>Helicobacteraceae</i>	<i>Sulfurimonas</i>	716	1
			-	15933	2
<i>Gammaproteobacteria</i>				30705	26
	<i>Alteromonadales</i>	OM60	-	3216	7
		-	-	116	1

Proteobacteria (cont.)						
<i>Gammaproteobacteria (cont.)</i>						
		<i>Chromatiales</i>	-	-	12319	7
		<i>Marinicellales</i>	<i>Marinicellaceae</i>	-	3776	5
		<i>Thiohalorhabdales</i>	-	-	2844	1
		<i>Thiotrichales</i>	<i>Piscirickettsiaceae</i>	-	1509	3
			<i>Thiotrichaceae</i>	-	2560	1
		-	-	-	4365	1
WS3					1181	3
	PRR-12	GN03	KSB4	-	1181	3
				TOTAL	113908	101

- refers to unclassified OTUs.

* Identification based on phylogenetic analysis using ARB