

Additional Material

Salinity Effect on the Metabolic Pathway and Microbial Function in Phenanthrene Degradation by a Halophilic Consortium

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Table S1. Accession numbers of the cloned catabolic gene sequences.

number	protein	Sequences	Accession number
1	C12O	C12O in <i>Halomonas</i> LB1	MG827135
2	C12O	C12O in <i>Halomonas</i> LB12	MG827136
3	C12O	C12O in <i>Halomonas</i> G29	MG827137
4	C12O	C12O in <i>Halomonas</i> G31	MG827138
5	C12O	C12O in <i>Halomonas</i> G34	MG827139
6	C12O	C12O in <i>Martelellla</i> N5	MG827140
7	C12O	C12O in <i>Chromohalobacter</i> LB10	MG827141
8	C12O	C12O in <i>Chromohalobacter</i> LB16	MG827142
9	C12O	OTU _{C12O} 1	MG827143
10	C12O	OTU _{C12O} 2	MG827144
11	C12O	OTU _{C12O} 3	MG827145
12	C12O	OTU _{C12O} 4	MG827146
13	C23O	C23O in <i>Marinobacter</i> N1	MG832594
14	C23O	C23O in <i>Marinobacter</i> N2	MG832595
15	C23O	OTU _{C23O} 1	MG832596
16	C23O	OTU _{C23O} 2	MG832597
17	P34O	P34O in <i>Martelellla</i> N5	MG836548
18	P34O	P34O in <i>Halomonas</i> G29	MG836549
19	P34O	P34O in <i>Halomonas</i> G31	MG836550
20	P34O	OTU _{P34O} 1	MG832598
21	P34O	OTU _{P34O} 2	MG832599
22	P34O	OTU _{P34O} 3	MG832600
23	P34O	OTU _{P34O} 4	MG832601
24	G12O	G12O in <i>Halomonas</i> G29	MG836239
25	G12O	G12O in <i>Thalassospira</i> G41	MG836240
26	G12O	G12O in <i>Thalassospira</i> G42	MG836241
27	G12O	OTU _{G12O} 1	MG836242
28	G12O	OTU _{G12O} 2	MG836243
29	RHD	RHD in <i>Marinobacter</i> N1	MG836244
30	RHD	RHD in <i>Marinobacter</i> N2	MG836245
31	RHD	RHD in <i>Marinobacter</i> N4	MG836246
32	RHD	RHD in <i>Martelellla</i> N5	MG836247
33	RHD	OTU _{RHD} 1	MG836248

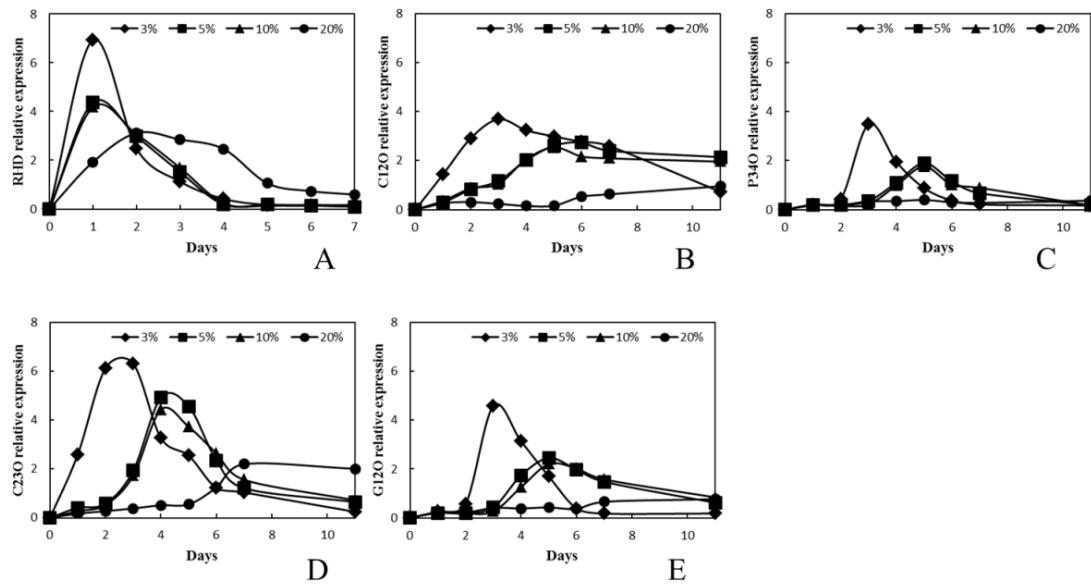


Figure S1. Relative expression levels of genes encoding RHD, C12O, C23O, P34O, and G12O during phenanthrene degradation under different salinity. The transcript/gene ratios were calculated for the microcosm incubation. Three independent experiments were performed (error bars are not shown). A: Relative expression of genes encoding RHD; B: Relative expression of genes encoding C12O; C: Relative expression of genes encoding P34O; D: Relative expression of genes encoding C23O; E: Relative expression of genes encoding G12O.