

Supplementary Materials: Construction and Characterization of a Cellulolytic Consortium Enriched from the Hindgut of *Holotrichia parallela* Larvae

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Table S1. Bacterial compositions and comparative analysis of these bacteria (phylum level).

Taxa	Relative Abundance %(OM Group)	Relative Abundance %(MM Group)	Relative Abundance %(FM Group)	<i>p</i> Value (OM vs. MM)	<i>p</i> Value (MM vs. FM)	<i>p</i> Value (OM vs. FM)
Bacteroidetes	54.32	24.93	20.73	0.006	0.130	0.005
Proteobacteria	9.13	30.68	46.05	0.012	0.013	0.005
Spirochaetes	1.85	11.32	4.77	0.036	0.078	0.083

Table S2. Bacterial compositions and comparative analysis of these bacteria (class level).

Taxa	Relative Abundance %(OM Group)	Relative Abundance %(MM Group)	Relative Abundance %(FM Group)	<i>p</i> Value (OM vs. MM)	<i>p</i> Value (MM vs. FM)	<i>p</i> Value (OM vs. FM)
Bacteroidia	54.14	24.05	19.02	0.005	0.134	0.001
Clostridia	20.87	28.38	22.52	0.036	0.102	0.718
Betaproteobacteria	1.69	16.22	17.73	0.001	0.636	0.023
Epsilonproteobacteria	0.40	4.21	16.48	0.026	0.052	0.011
Spirochaetes	1.83	11.09	4.42	0.041	0.067	0.118
Bacilli	5.45	2.48	2.69	0.048	0.869	0.019

Table S3. Bacterial compositions and comparative analysis of these bacteria (genus level).

Taxa	Relative Abundance %(OM Group)	Relative Abundance %(MM Group)	Relative Abundance %(FM Group)	<i>p</i> Value (OM vs. MM)	<i>p</i> Value (MM vs. FM)	<i>p</i> Value (OM vs. FM)
<i>Prevotella</i>	13.85	3.65	1.40	0.006	0.001	0.003
<i>Comamonas</i>	0.82	9.51	5.83	0.005	0.153	0.041
<i>Arcobacter</i>	0.40	4.20	16.47	0.015	0.064	0.033
<i>Treponema</i>	0.29	10.82	3.89	0.026	0.084	0.040
<i>Clostridium</i>	1.01	3.66	2.69	0.049	0.478	0.013
<i>Lactobacillus</i>	2.66	1.38	0.81	0.147	0.582	0.007

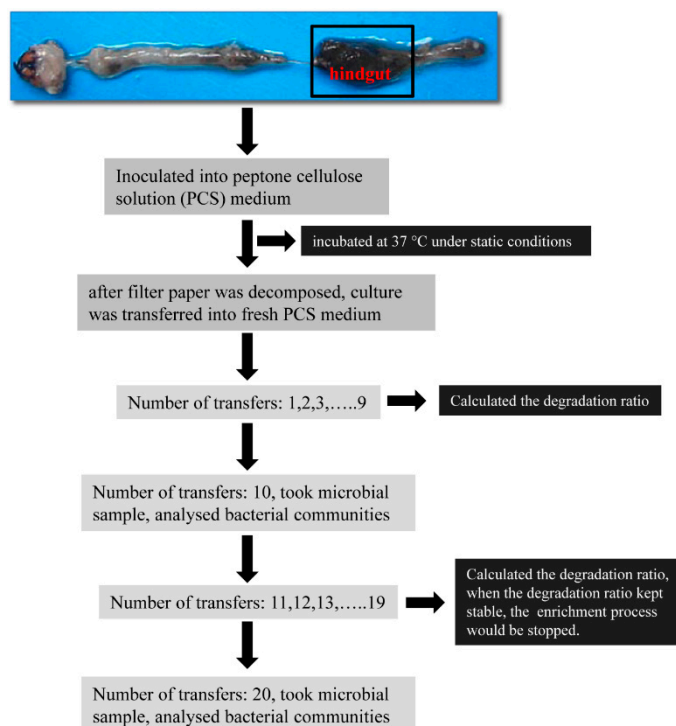


Figure S1. Image of the enrichment method.



Figure S2. Picture of decomposed filter paper after 3 days of cultivation.

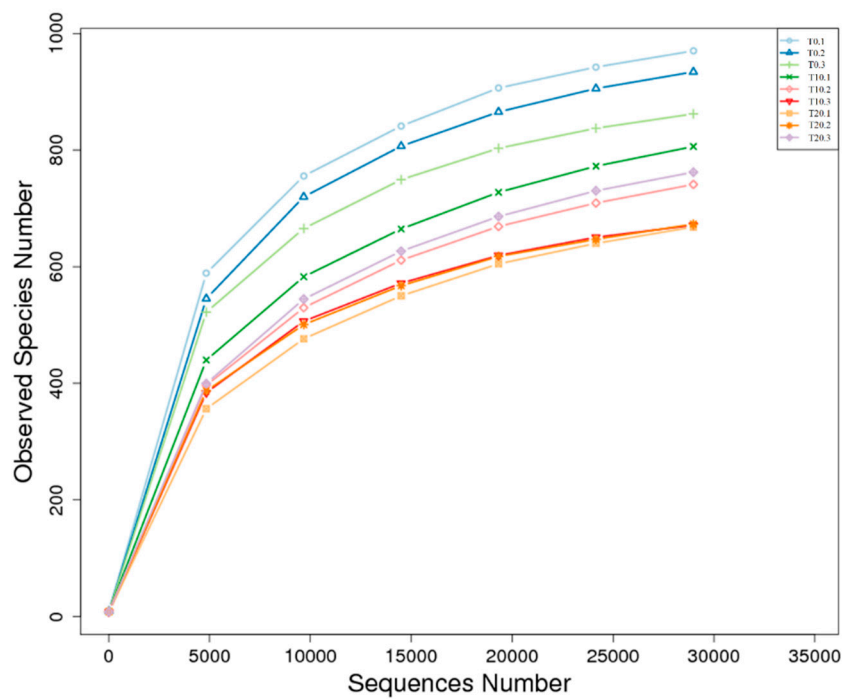


Figure S3. Rarefaction curves of all samples.