

Supplementary Table 1: Bacterial taxa shared among all three cellulose cultures. The numbers indicate the number of reads found in each sample.

Classification (Phylum:Class:Order:Family)	Genus	Soil_EW	Termite _AX	Termite _EW
Actinobacteria:Actinobacteridae:Actinomycetales:Microbacteriaceae	<i>Leifsonia</i>	43	33	302
Actinobacteria:Actinobacteridae:Actinomycetales:Microbacteriaceae	<i>Microbacterium</i>	24	10	9
Actinobacteria:Actinobacteridae:Actinomycetales:Streptomycetaceae	<i>Streptomyces</i>	17	263	24
Proteobacteria:Gammaproteobacteria:Enterobacteriales:Enterobacteriaceae	<i>Citrobacter</i>	1,803	1	1
Proteobacteria:Gammaproteobacteria:Xanthomonadales:Xanthomonadaceae	<i>Dyella</i>	11,022	10	8,418
Proteobacteria:Gammaproteobacteria:Xanthomonadales:Xanthomonadaceae	<i>Luteimonas</i>	7	1	13
Proteobacteria:Alphaproteobacteria:Rhizobiales:Bradyrhizobiaceae	<i>Bradyrhizobium</i>	77	16	9
Proteobacteria:Alphaproteobacteria:Rhizobiales:Methylobacteriaceae	<i>Methylobacterium</i>	6	1	1
Proteobacteria:Betaproteobacteria:Burkholderiales:Burkholderiaceae	<i>Burkholderia</i>	1	23,807	831
Proteobacteria:Betaproteobacteria:Burkholderiales:Oxalobacteraceae	<i>Massilia</i>	77	8	11
Proteobacteria:Betaproteobacteria:Burkholderiales:Comamonadaceae	<i>Comamonas</i>	2	2	1
Proteobacteria:Betaproteobacteria:Burkholderiales:Burkholderiales_incertae_sedis	<i>Aquabacterium</i>	3	67	60
Firmicutes:Bacilli:Lactobacillales:Streptococcaceae	<i>Lactococcus</i>	1	6	11