Table 1: $^{13}\mathrm{C}\text{-xylose}$ responders BLAST against Living Tree Project

OTU ID	Fold change ^a	Day ^b	$\mathop{\bf All~days}_{\rm c}$	Top BLAST hits BLAST	%ID	Phylum;Class;Order
OTU.1040	4.78	1	1	Paenibacillus daejeonensis	100.0	Firmicutes Bacilli Bacillales
OTU.1069	3.85	1	1	Paenibacillus terrigena	100.0	Firmicutes Bacilli Bacillales
OTU.107	2.25	3	3	Flavobacterium sp. 15C3, Flavobacterium banpakuense	99.54	Bacteroidetes Flavobacteria Flavobacteriales
OTU.131	3.07	3	3	Flavobacterium fluvii, Flavobacteria bacterium HMD1033, Flavobacterium sp. HMD1001	100.0	Bacteroidetes Flavobacteria Flavobacteriales
OTU.14	3.92	3	1, 3	Flavobacterium oncorhynchi, Flavobacterium glycines, Flavobacterium succinicans	99.09	Bacteroidetes Flavobacteria Flavobacteriales
OTU.159	3.16	3	3	Flavobacterium hibernum	98.17	Bacteroidetes Flavobacteria Flavobacteriales
OTU.183	3.31	3	3	No hits of at least 90% identity	89.5	Bacteroidetes Sphingobacteriia Sphingobacteriales
OTU.2040	2.91	1	1	Paenibacillus pectinilyticus	100.0	Firmicutes Bacilli Bacillales
OTU.22	2.8	7	7, 14	Paracoccus sp. NB88	99.09	Proteobacteria Alphaproteobacteria Rhodobacterales
OTU.2379	3.1	3	3	Flavobacterium pectinovorum, Flavobacterium sp. CS100	97.72	Bacteroidetes Flavobacteria Flavobacteriales
OTU.24	2.81	7	7	Cellulomonas aerilata, Cellulomonas humilata, Cellulomonas terrae, Cellulomonas soli, Cellulomonas xylanilytica	100.0	Actinobacteria Micrococcales Cellulomonadaceae
OTU.244	3.08	7	7	Cellulosimicrobium funkei, Cellulosimicrobium terreum	100.0	Actinobacteria Micrococcales Promicromonosporaceae
OTU.252	3.34	7	7	Promicromonospora thailandica	100.0	Actinobacteria Micrococcales Promicromonosporaceae
OTU.267	4.97	1	1	Paenibacillus pabuli, Paenibacillus tundrae, Paenibacillus taichungensis, Paenibacillus xylanexedens, Paenibacillus xylanilyticus	100.0	Firmicutes Bacilli Bacillales
OTU.277	3.52	3	3	Solibius ginsengiterrae	95.43	Bacteroidetes Sphingobacteriia Sphingobacteriales
OTU.290	3.59	1	1	Pantoea spp., Kluyvera spp., Klebsiella spp., Erwinia spp., Enterobacter spp., Buttiauxella spp.	100.0	Proteobacteria Gammaproteobacteria Enterobacteriales
OTU.3	2.61	1	1	[Brevibacterium] frigoritolerans, Bacillus sp. LMG 20238, Bacillus coahuilensis m4-4, Bacillus simplex	100.0	Firmicutes Bacilli Bacillales
OTU.319	3.98	1	1	Paenibacillus xinjiangensis	97.25	Firmicutes Bacilli Bacillales

Table 1 – continued from previous page

OTU ID	Fold change	Day	All days	Top BLAST hits	BLAST	%ID	Phylum;Class;Order
OTU.335	2.53	1	1	Paenibacillus thailandensis		98.17	Firmicutes Bacilli Bacillales
OTU.346	3.44	3	3	Pseudoduganella violaceinigr	ra	99.54	Proteobacteria Betaproteobacteria Burkholderiales
OTU.3507	2.36	1	1	Bacillus spp.		98.63	Firmicutes Bacilli Bacillales
OTU.3540	2.52	3	3	Flavobacterium terrigena		99.54	$Bacteroidetes\ Flavobacteria\\ Flavobacteriales$
OTU.360	2.98	3	3	$Flaviso libacter\ ginsengiso li$		95.0	$Bacteroidetes\ Sphingobacteriia$ $Sphingobacteriales$
OTU.369	5.05	1	1	Paenibacillus sp. D75, Paenibacillus glycanilyticus		100.0	Firmicutes Bacilli Bacillales
OTU.37	2.68	7	7	Phycicola gilvus, Microterricola viridarii, Frigoribacterium faeni, Frondihabitans sp. RS-15, Frondihabitans australicus		100.0	Actinobacteria Micrococcales Microbacteriaceae
OTU.394	4.06	1	1	Paenibacillus pocheonensis		100.0	Firmicutes Bacilli Bacillales
OTU.4	2.84	7	7, 14	Agromyces ramosus		100.0	Actinobacteria Micrococcales Microbacteriaceae
OTU.4446	3.49	7	7	Catenuloplanes niger, Catenuloplanes castaneus, Catenuloplanes atrovinosus, Catenuloplanes crispus, Catenuloplanes nepalensis, Catenuloplanes japonicus		97.72	Actinobacteria Frankiales Nakamurellaceae
OTU.4743	2.24	1	1	Lysinibacillus fusiformis, Lysinibacillus sphaericus		99.09	Firmicutes Bacilli Bacillales
OTU.48	2.99	1	1, 3	Aeromonas spp.		100.0	Proteobacteria Gammaproteobacteria aaa34a10
OTU.5284	3.56	7	7	Isoptericola nanjingensis, Isoptericola hypogeus, Isoptericola variabilis		98.63	Actinobacteria Micrococcales Promicromonosporaceae
OTU.5603	3.96	1	1	Paenibacillus uliginis		100.0	Firmicutes Bacilli Bacillales
OTU.57	4.39	1	1, 3, 7, 14, 30	Paenibacillus castaneae		98.62	Firmicutes Bacilli Bacillales
OTU.5906	3.16	3	3	Terrimonas sp. M-8		96.8	Bacteroidetes Sphingobacteriia Sphingobacteriales
OTU.62	2.57	7	7	Nakamurella flavida		100.0	Actinobacteria Frankiales Nakamurellaceae
OTU.6203	3.32	3	3	Flavobacterium granuli, Flavobacterium glaciei		100.0	Bacteroidetes Flavobacteria Flavobacteriales
OTU.68	3.74	7	7	Shigella flexneri, Escherichia fergusonii, Escherichia coli, Shigella sonnei		100.0	Proteobacteria Gammaproteobacteria Enterobacteriales
OTU.760	2.89	3	3	Dyadobacter hamtensis		98.63	Bacteroidetes Cytophagia Cytophagales

Table 1 – continued from previous page

OTU ID	Fold change	Day	All days	Top BLAST hits	BLAST %ID	Phylum;Class;Order
OTU.8	2.26	1	1	Bacillus niacini	100.0	Firmicutes Bacilli Bacillales
OTU.843	3.62	1	1	Paenibacillus agarexedens	100.0	Firmicutes Bacilli Bacillales
OTU.9	2.04	1	1	Bacillus megaterium, Bacillus flexus	100.0	Firmicutes Bacilli Bacillales

^a Maximum observed log_2 of fold change. ^b Day of maximum fold change. ^c All response days.