Supplementary Table

Supplementary Table S1 Characteristics of Bamboo-*Alniphyllum fortune* Hemsl. Makino Mixed Forest (AFB) sites

Combination (stand type)	Nutrient space ratio （%）	Altitude （º）	Slope direction
AFB1-1	0–10	720	Sunny
AFB1-2	0–10	755	Sunny
AFB1-3	0–10	785	Sunny
AFB2-1	10–20	770	Sunny
AFB2-2	10–20	710	Sunny
AFB2-3	10–20	746	Sunny
AFB3-1	20–40	786	Sunny
AFB3-2	20–40	730	Sunny
AFB3-3	20–40	797	Sunny

Supplementary Table S2 Characteristics of Bamboo-*Choerospondias axillaris* Mixed Forest (CAB) sites

Combination (stand type)	Nutrient space ratio （%）	Altitude （º）	Slope direction
CAB1-1	0–10	710	Sunny
CAB1-2	0–10	755	Sunny
CAB1-3	0–10	780	Sunny
CAB2-1	10–20	770	Sunny
CAB2-2	10–20	710	Sunny
CAB2-3	10–20	746	Sunny
CAB3-1	20–40	780	Sunny
CAB3-2	20–40	746	Sunny
CAB3-3	20–40	790	Sunny

Supplementary Table S3 Characteristics of Bamboo-*Castanopsis chinensis* Hance Mixed Forest (CCB) sites

Combination (stand type)	Nutrient space ratio （%）	Altitude （°）	Slope direction
CCB1-1	0–10	720	Sunny
CCB1-2	0–10	750	Sunny
CCB1-3	0–10	785	Sunny
CCB2-1	10–20	816	Sunny
CCB2-2	10–20	715	Sunny
CCB2-3	10–20	730	Sunny
CCB3-1	20–40	796	Sunny
CCB3-2	20–40	738	Sunny
CCB3-3	20–40	790	Sunny

Supplementary Table S4 The relative abundant of dominant bacteria in bamboo and single broad-leaved tree mixed forest at the level of phylum

phylum	CCB			CAB			AFB		
	0-10%	10%-20%	20%-40%	0-10%	10%-20%	20%-40%	0-10%	10%-20%	20%-40%
Acidobacteria	0.38708	0.35153	0.37169	0.36134	0.33748	0.30519	0.34475	0.29564	0.35823
Proteobacteria	0.27204	0.27044	0.2748	0.30958	0.28612	0.27993	0.25024	0.25685	0.27656
Actinobacteria	0.12403	0.11276	0.13552	0.1026	0.13093	0.15979	0.11939	0.12401	0.13183
Chloroflexi	0.07008	0.06441	0.04526	0.05442	0.09274	0.08678	0.09992	0.09097	0.07639
Planctomycetes	0.06948	0.09094	0.08218	0.07546	0.06763	0.04658	0.08221	0.06385	0.04763
Verrucomicrobia	0.04606	0.07396	0.05856	0.06801	0.03779	0.04755	0.06219	0.0959	0.05422
WPS-2	0.01003	0.01394	0.0163	0.01139	0.01266	0.02315	0.01101	0.01035	0.01435
Gemmatimonadetes	0.00611	0.00606	0.00365	0.00492	0.01207	0.01708	0.01055	0.0153	0.01243
Firmicutes	0.00423	0.00296	0.00412	0.00249	0.00414	0.0088	0.00405	0.02045	0.00709
Bacteroidetes	0.00397	0.0022	0.00227	0.00203	0.00485	0.00508	0.00359	0.00326	0.00403
Others	0.0069	0.01081	0.00565	0.00776	0.01358	0.02006	0.01211	0.02342	0.01724