

Table S1 Sample code definitions

Sample code	1 st Letter	2 nd Letter	3 rd and 4 th Letters
SKLM	Soil	Kluthuk	Loamy sand (LM)
SALM	Soil	Ambon	Loamy sand (LM)
SKSL	Soil	Kluthuk	Silt loam (SL)
SASL	Soil	Ambon	Silt loam (SL)
RKLM	Root	Kluthuk	Loamy sand (LM)
RALM	Root	Ambon	Loamy sand (LM)
RKSL	Root	Kluthuk	Silt loam (SL)
RASL	Root	Ambon	Silt loam (SL)
CKLM	Corm	Kluthuk	Loamy sand (LM)
CALM	Corm	Ambon	Loamy sand (LM)
CKSL	Corm	Kluthuk	Silt loam (SL)
CASL	Corm	Ambon	Silt loam (SL)
PKLM	Petiole	Kluthuk	Loamy sand (LM)
PALM	Petiole	Ambon	Loamy sand (LM)
PKSL	Petiole	Kluthuk	Silt loam (SL)
PASL	Petiole	Ambon	Silt loam (SL)

Table S2 Sampling locations and soil analysis

Soil type	Sampling point coordinates	Physical (%)			Chemical				Biological
		Sand	Silt	Clay	pH	Total N (%)	K (ppm)	P ₂ O ₅ (ppm)	H'
Loamy sand (LM)	7°42'1"S 110°21'48"E	77.8	19.75	2.5	6.79	0.083	58	23.75	2.54
Silt loam (SL)	7°46'7"S 110°12'44"E	43.8	42.75	12	7.18	0.03	71	53.5	2.78

ppm = parts per million; H' = Shannon-Wiener diversity index

Table S3 Number of taxa between samples

Taxon	SK-SL	SA-SL	SK-LM	SA-LM	RK-SL	RA-SL	RK-LM	RA-LM	CK-SL	CA-SL	CK-LM	CA-LM	PK-SL	PA-SL	PK-LM	PA-LM
Genus	445	431	396	392	138	141	180	372	300	93	89	68	104	172	341	303
Family	268	256	239	247	99	114	133	225	202	75	80	68	92	228	139	205
Ordo	135	131	126	122	57	60	68	112	93	49	48	46	55	104	119	71
Classis	43	82	69	57	38	41	45	80	70	38	35	29	93	96	102	89
Phylum	17	28	25	22	11	16	17	30	27	15	11	10	39	35	35	34

Column heading codes are defined in Table S1.

Table S4 Shannon-Weiner diversity index at genus level for Klutuk and Ambon banana cultivars

Klutuk						Ambon					
Loamy sand soil			Silt loam soil			Loamy sand soil			Silt loam soil		
Root	Corm	Pet	Root	Corm	Pet	Root	Corm	Pet	Root	Corm	Pet
2.67	2.85	2.86	2.37	2.74	2.61	2.72	2.39	2.85	2.99	2.51	2.75

Table S5 Number of taxa between samples

Taxon	SK-SL	SA-SL	SK-LM	SA-LM	RK-SL	RA-SL	RK-LM	RA-LM	CK-SL	CA-SL	CK-LM	CA-LM	PK-SL	PA-SL	PK-LM	PA-LM
Phylum	17	28	25	22	11	16	17	30	27	15	11	10	39	35	35	34
Class	43	82	69	57	38	41	45	80	70	38	35	29	93	96	102	89
Order	135	131	126	122	57	60	68	112	93	49	48	46	55	104	119	71
Family	268	256	239	247	99	114	133	225	202	75	80	68	92	228	139	205
Genus	445	431	396	392	138	141	180	372	300	93	89	68	104	172	341	303

Column heading codes are defined in Table S1.

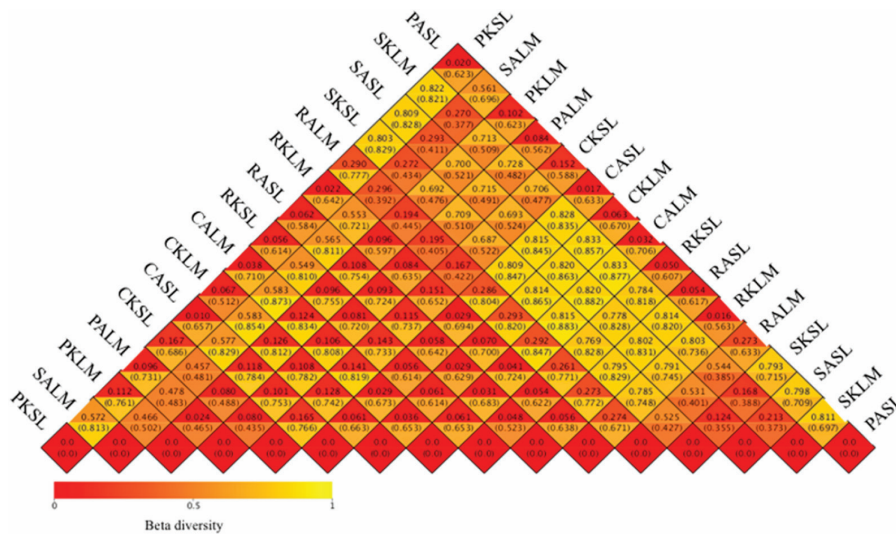


Fig. S1 Beta diversity index heatmap, where number inside square indicates difference in coefficient between two samples and a higher difference in coefficient indicates higher diversity in species, with upper and lower values within same square representing weighted and unweighted UniFrac distances and codes are defined in [Table S1](#)

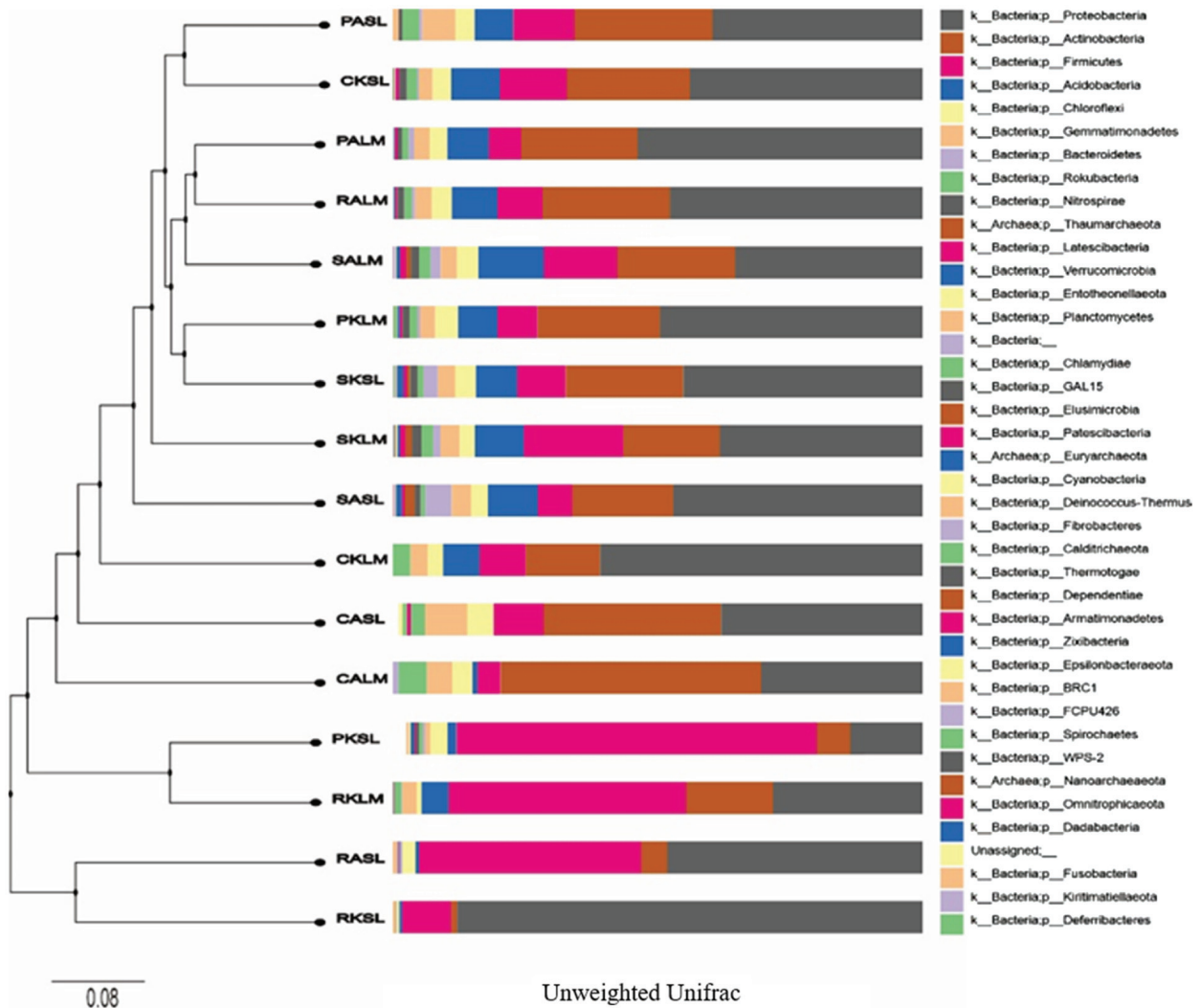


Fig. S2 Unweighted pair group method with arithmetic mean cluster tree based on unweighted UniFrac distance, where codes are defined in [Table S1](#)

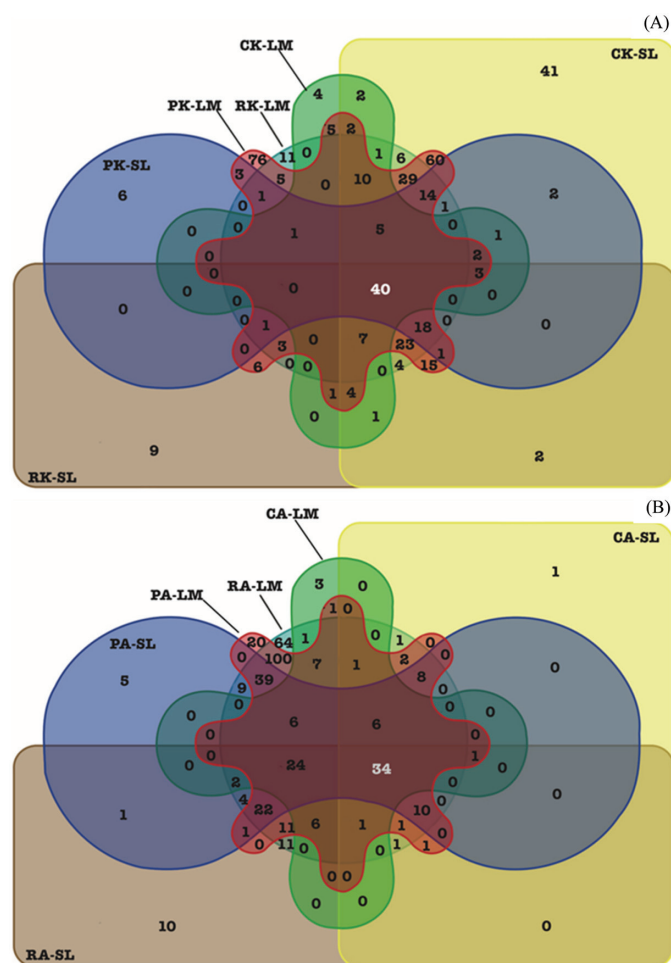
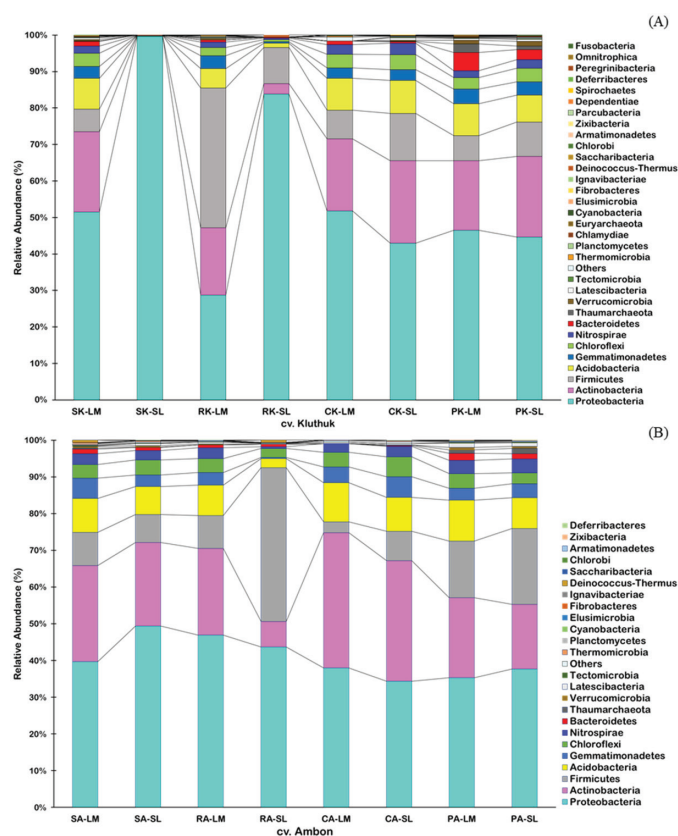


Fig. S3 Relative abundance at phylum level of banana cultivars: (A) Kluthuk; (B) Ambon, where x axis label codes are defined in Table S1

Fig. S4 Venn diagram of core endophytic bacterial distribution in banana cultivars: (A). Kluthuk; (B) Ambon, where codes are defined in Table S1