

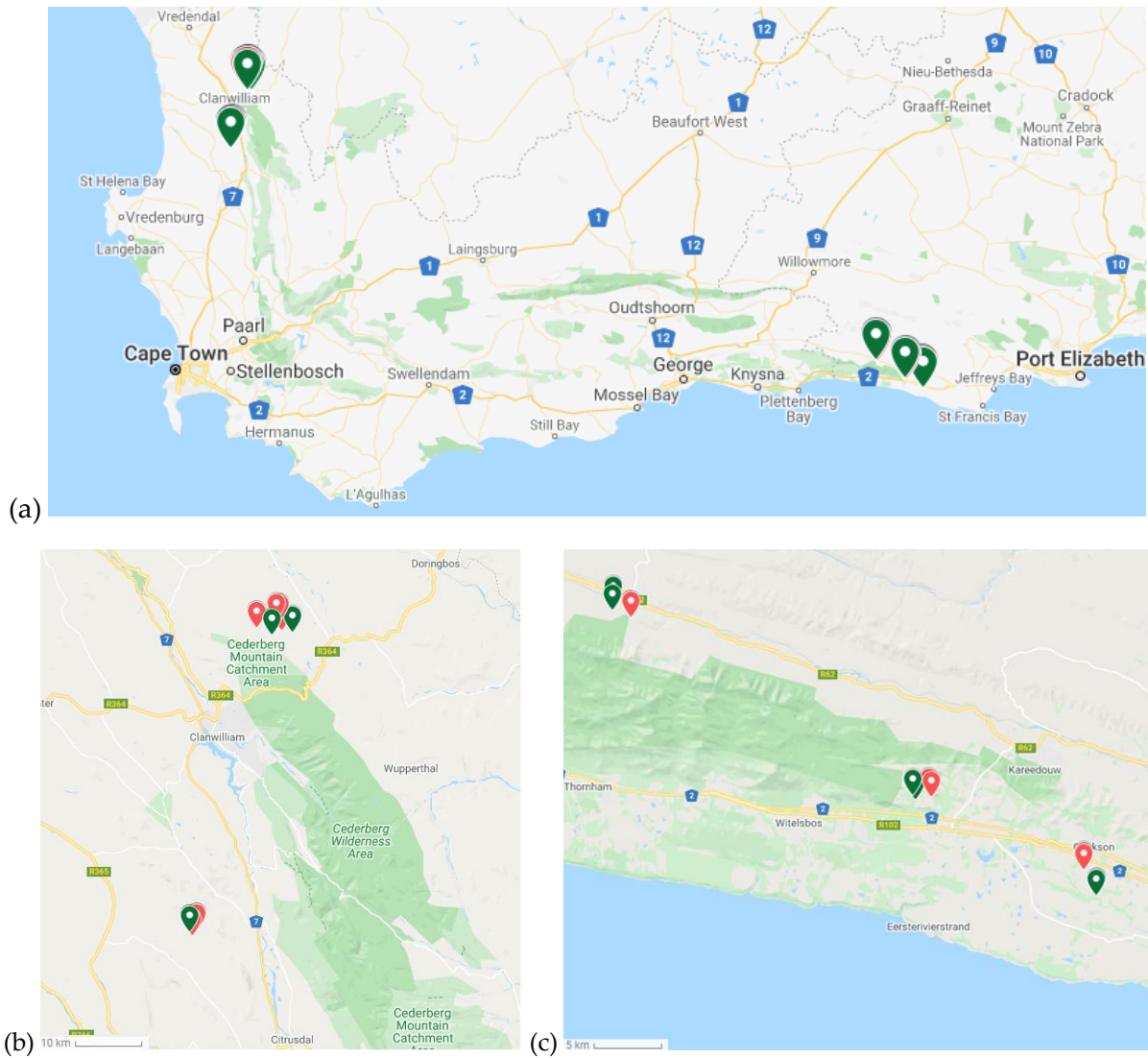


Figure S1. Geographical locations of sampling sites in (a) South Africa. Samples were collected from five different farms that specializes in the production of Rooibos and Honeybush tea; two farms for (b) rooibos and three farms for (c) honeybush. Both uncultivated (green) and cultivated (red) samples were collected from each farm for each sampling season. Uncultivated and cultivated plants are grown within proximity of each other. (Image: Google maps)

Table S1. Sequencing results of both honeybush and rooibos and their Acidobacterial relative abundances for each sample.

Honeybush				Rooibos			
Sample	Filtered reads	Acidobacteria reads	Relative abundance (%)	Sample	Filtered reads	Acidobacteria reads	Relative abundance (%)
hcd1	18291	1136	6,2	rcd1	62420	895	1,4
hcd2	24688	1832	7,4	rcd2	26385	64	0,2
hcd3	19096	2074	10,9	rcd3	55595	794	1,4
hcd4	24691	2871	11,6	rcd4	78926	249	0,3
hcd5	21347	761	3,6	rcd5	61749	1062	1,7
hcd6	16285	1087	6,7	rcd6	65615	1917	2,9
hcw7	28484	3496	12,3	rcw7	45105	2857	6,3
hcw8	30303	1689	5,6	rcw8	31717	5046	15,9
hcw9	11975	641	5,4	rcw9	22949	2511	10,9
hcw10	11785	2287	19,4	rcw10	33501	2865	8,6
hcw11	16599	3140	18,9	rcw11	30882	3431	11,1
hcw12	14982	1504	10,0	rnd1	93230	1424	1,5
hnd1	24764	2024	8,2	rnd2	56635	690	1,2
hnd2	18482	679	3,7	rnd3	63175	1486	2,4
hnd3	34185	2507	7,3	rnd4	44043	213	0,5
hnd4	26806	2717	10,1	rnd5	56567	1882	3,3
hnd5	24103	620	2,6	rnd6	53641	4135	7,7
hnd6	40571	3006	7,4	rnw7	22232	2568	11,6
hnd7	55845	3544	6,3	rnw8	18737	2201	11,7
hnd8	50570	3256	6,4	rnw9	18601	1314	7,1
hnd9	23817	1451	6,1	rnw10	13486	1082	8,0
hnd10	27817	2026	7,3	rnw11	20310	2174	10,7
hnw11	16117	748	4,6	rnw12	28891	1733	6,0
hnw12	11108	1128	10,2	rnw13	12335	1094	8,9
hnw13	14002	1381	9,9	rnw14	19160	1502	7,8
hnw14	13260	898	6,8				
hnw15	13070	1473	11,3				
hnw16	11298	812	7,2				

Table S2. Taxonomic classification of OTUs identified in both honeybush and rooibos. OTUs are ranked from highest representation within all samples to lowest.

Honeybush			Rooibos		
OTU	Subdivision	Taxonomy	OTU	Subdivision	Taxonomy
OTU01	1	Acidobacteriales ²	OTU01	3	<i>Bryobacter</i>
OTU02	3	Candidatus <i>Solibacter</i>	OTU02	1	<i>Acidipila</i>
OTU03	3	<i>Bryobacter</i>	OTU03	3	Candidatus <i>Solibacter</i>
OTU04	1	<i>Acidipila</i>	OTU04	1	<i>Granulicella</i>
OTU05	2	Acidobacteriia ³	OTU05	1	Acidobacteriales ²
OTU06	1	Acidobacteriaceae ¹	OTU06	1	Acidobacteriaceae ¹
OTU07	1	<i>Granulicella</i>	OTU07	3	Solibacteraceae ¹
OTU08	1	<i>Occallatibacter</i>	OTU08	2	Unclassified
OTU09	1	Candidatus <i>Koribacter</i>	OTU09	1	Acidobacteriales ²
OTU10	1	<i>Acidicapsa</i>	OTU10	1	Candidatus <i>Koribacter</i>
OTU11	1	<i>Terracidiphilus</i>	OTU11	1	<i>Occallatibacter</i>
OTU12	1	<i>Edaphobacter</i>	OTU12	1	<i>Edaphobacter</i>
OTU13	3	Solibacteraceae ¹	OTU13	1	Acidobacteriaceae ¹
OTU14	1	Acidobacteriales ²	OTU14	1	<i>Terracidiphilus</i>
OTU15	1	Acidobacteriales ²	OTU15	10	Thermoanaerobaculaceae ¹
OTU16	1	<i>Terriglobus</i>	OTU16	1	<i>Acidicapsa</i>
OTU17	5	Unclassified	OTU17	1	<i>Bryocella</i>
OTU18	10	Thermoanaerobaculaceae ¹	OTU18	5	Unclassified
OTU19	1	<i>Bryocella</i>	OTU19	1	<i>Terriglobus</i>
OTU20	13	Unclassified	OTU20	8	Holophagae ²
OTU21	12	Unclassified	OTU21	1	Acidobacteriaceae ¹
OTU22	15	Unclassified	OTU22	13	Unclassified
OTU23	8	Unclassified	OTU23	3	<i>Paludibaculum</i>
OTU24	1	Acidobacteriaceae ¹	OTU24	15	Unclassified
OTU25	3	<i>Paludibaculum</i>	OTU25	Unclassified	Unclassified
OTU26	1	Acidobacteriales ²	OTU26	Unclassified	Unclassified
OTU27	3	Solibacteraceae ¹	OTU27	4	Blastocatellia ²
OTU28	Unclassified	Unclassified	OTU28	3	Solibacteraceae ¹
OTU29	4	<i>Pyrinomonas</i>	OTU29	1	Acidobacteriales ²
OTU30	3	Solibacteraceae ¹	OTU30	1	<i>Telmatobacter</i>
OTU31	11	Unclassified	OTU31	3	Solibacteraceae ¹
OTU32	3	Solibacteraceae ¹	-	-	-

Current taxonomic classification available at ¹family, ²order or ³class level.

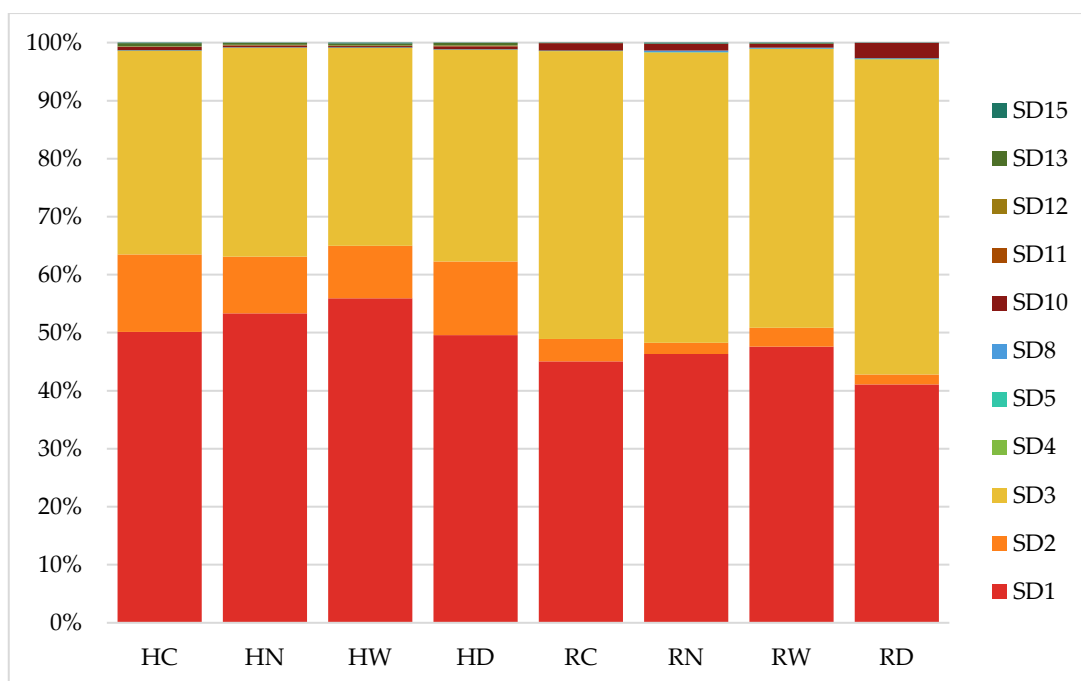


Figure S2. Average relative abundance (%) of Acidobacteria subdivisions (at class level) for each sample group, where HC – honeybush cultivated, HN – honeybush uncultivated, HD – honeybush dry, HW – honeybush wet, RC – rooibos cultivated, RN – rooibos uncultivated, RD – rooibos dry, and RW – rooibos wet.

Table S3. Adonis test results of significant correlations between OTUs and soil abiotic properties.

Soil abiotic property	p-value	
	Rooibos	Honeybush
pH	0,058	0,001 *
Hydrogen	0,432	0,33
Phosphorus	0,234	0,016 *
Potassium	0,317	0,901
Sodium	0,263	0,787
Calcium	0,049 *	0,016 *
Magnesium	0,14	0,201
Carbon	0,124	0,044 *
Nitrate	0,543	0,665
Ammonium	0,107	0,301

A significance is observed at * $p \leq 0.05$.