

Table S1. Sequencing statistic for each sample

Sample ID	Sample type	Sample location	DNA concentration (ng/ $\mu$ L)	Raw reads*	Filtered reads	Denoised reads	Merged reads	Non-chimeric sequences
EST1	Rhizospheric soil	Serra da Estrela	60.4	106245	87770	73719	51231	48714
EST2	Rhizospheric soil	Serra da Estrela	30.6	128069	105114	90151	66399	63405
EST4	Rhizospheric soil	Serra da Estrela	37.8	87863	71536	59300	41577	39745
FR1	Rhizospheric soil	Serra da Freita	34.4	135804	112428	93026	61413	57417
FR2	Rhizospheric soil	Serra da Freita	35.2	105161	86668	70254	45597	42786
FR3	Rhizospheric soil	Serra da Freita	22.4	98780	80915	66278	43575	41211
MAR1	Rhizospheric soil	Serra de Marao	32	97832	79015	65351	41994	40025
MAR2	Rhizospheric soil	Serra de Marao	42.2	84072	68836	54872	35007	33673
MAR3	Rhizospheric soil	Serra de Marao	54.2	107605	88063	71552	45592	43151
REST1	Vaccinium myrtilus roots	Serra da Estrela	26.6	77529	63881	59593	52541	46453
REST2	Vaccinium myrtilus roots	Serra da Estrela	41.8	90647	75401	70219	61547	53649
REST3	Vaccinium myrtilus roots	Serra da Estrela	33.2	105753	87704	81994	71969	62082
RFR1	Vaccinium myrtilus roots	Serra da Freita	17	104603	86748	81186	71711	61824
RFR2	Vaccinium myrtilus roots	Serra da Freita	20.2	103191	86081	80417	70705	61171
RFR3	Vaccinium myrtilus roots	Serra da Freita	14.9	122313	100449	94298	84318	73407
RMAR1	Vaccinium myrtilus roots	Serra de Marao	11.3	95729	78150	73505	65509	58610
RMAR2	Vaccinium myrtilus roots	Serra de Marao	16.6	88006	72920	68312	61087	53843
RMAR3	Vaccinium myrtilus roots	Serra de Marao	9.2	75238	58000	54196	48210	43765
BPCR ♣				115	51	11	8	8

Sample IDs, Qubit quantification values, and number of raw reads and sequences obtained per sample. \* Number of raw reads from paired-end sequencing, i.e., forward (R1) reads or reverse (R2) reads. ♣ PCR negative controls (BPCR) reads.