

Supplementary Table S3. Shannon Index of Diversity

Number of sequences and unique OTUs recovered from each age and the corresponding Shannon's index of diversity. 3A, 5A, 7A, 10A, 14A and 20A refer to the age number (years since planting) of the host tree at the time of soil sample collection from six of *T. melanosporum* plantations in Teruel, Spain

Library	No. of colonies sequenced	No. of contigs	No. of singlets	No. of unique OTUs	Shannon's Diversity Index
3A	53	8	11	19	0.971
5A	44	2	19	21	0.84
7A	35	6	7	13	0.79
10A	36	5	12	17	0.94
14A	29	3	7	10	0.67
20A	31	3	6	9	0.5
sum	228	27	62	89	

$$H = - \sum_{i=1}^s (P_i * \ln P_i)$$

where:

H = the Shannon diversity index

P_i = fraction of the entire population made up of species i

S = numbers of species encountered

Σ = sum from species 1 to species S