

Table S2. The ways of calculating the species diversity indices.

The species diversity index	The abbreviation	The formula	The explanation
Shannon-Wiener	H'	$H' = - \sum_{i=1}^S p_i \ln p_i$	S = the number of species; p_i = the proportion of the individual species cover relative to the total cover
Evenness	E	$E = H' / H'_{\max} = H' / \ln S$	H' = observed diversity; H'max = maximum diversity for a given number of species (S)
Dominance	1-D	$D = \sum_{i=1}^S p_i^2$	S = the number of species; p_i = the proportion of the individual species cover relative to the total cover