

Models	D ²	R ² m	R ² c
FD1 ~ aF	0.07		
FD1 ~ aF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.03	0.35
FD2 ~ aF	3.14e ⁻⁰⁵		
FD2 ~ aF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.009	0.32
FD3 ~ aF	0.08		
FD3 ~ aF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.03	0.45
FD4 ~ aF	0.02		
FD4 ~ aF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.01	0.18
FD1 ~ aB	0.03		
FD1 ~ aB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.02	0.36
FD2 ~ aB	0.06		
FD2 ~ aB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.02	0.30
FD3 ~ aB	0.008		
FD3 ~ aB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.02	0.49
FD4 ~ aB	1.49e ⁻⁰⁵		
FD4 ~ aB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		7.1e ⁻⁰⁶	0.19
FD1 ~ bF	0.04		
FD1 ~ bF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.02	0.37
FD2 ~ bF	0.003		
FD2 ~ bF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.0001	0.30
FD3 ~ bF	0.001		
FD3 ~ bF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.001	0.45
FD4 ~ bF	0.01		
FD4 ~ bF + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.0005	0.19
FD1 ~ bB	0.03		
FD1 ~ bB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.03	0.41
FD2 ~ bB	0.08		
FD2 ~ bB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.04	0.29
FD3 ~ bB	0.21		
FD3 ~ bB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.10	0.41
FD4 ~ bB	0.003		
FD4 ~ bB + (1 Essence) + (1 Age) + (1 Depot) + (1 Drainage)		0.02	0.22

- aF = Fungal alpha-diversity; aB = Bacterial alpha-diversity
- bF = Fungal beta-diversity; bB = Bacterial beta-diversity
- FDI = PCAs groups
- Essence = Dominant tree species
- Depot = Surface deposits