

Table S2 | Summary of Fourier analysis of litter

Site name	Altitude (m)	Parent material	Variable	Dominant cycle (month)	Significance of the cycle (null)	Significance of the cycle (average)	One-year cycle† (12 ± 1.5 month)
POR	700	Sedimentary	Leaf	12.0	*	*	One-year cycle 7 / 9 sites
NAL	700	Ultramafic	Leaf	13.3	N.S.	*	
PHQ	1700	Sedimentary	Leaf	11.8	*	*	Significant one-year cycle (null spectrum) 5 / 9 sites (avr. spectrum) 7 / 9 sites
BAB	1700	Ultramafic	Leaf	12.0	*	*	
ULA	1700	Quaternary	Leaf	12.0	*	*	
RTM	2700	Sedimentary	Leaf	6.3	N.S.	*	
CAR	2700	Ultramafic	Leaf	12.0	N.S.	*	
PAK	3100	Sedimentary	Leaf	24.0	N.S.	*	
HEL	3100	Ultramafic	Leaf	11.8	*	*	
POR	700	Sedimentary	Flower	24.0	N.S.	*	One-year cycle 0 / 9 sites
NAL	700	Ultramafic	Flower	20.0	N.S.	*	
PHQ	1700	Sedimentary	Flower	> 48	*	*	Significant one-year cycle (null spectrum) 0 / 9 sites (avr. spectrum) 0 / 9 sites
BAB	1700	Ultramafic	Flower	40.0	*	*	
ULA	1700	Quaternary	Flower	> 48	N.S.	*	
RTM	2700	Sedimentary	Flower	40.0	N.S.	*	
CAR	2700	Ultramafic	Flower	40.0	N.S.	*	
PAK	3100	Sedimentary	Flower	15.0	N.S.	*	
HEL	3100	Ultramafic	Flower	> 48	*	*	
POR	700	Sedimentary	Branch	4.0	N.S.	*	One-year cycle 4 / 9 sites
NAL	700	Ultramafic	Branch	1.9	N.S.	*	
PHQ	1700	Sedimentary	Branch	11.8	*	*	Significant one-year cycle (null spectrum) 3 / 9 sites (avr. spectrum) 4 / 9 sites
BAB	1700	Ultramafic	Branch	> 48	N.S.	*	
ULA	1700	Quaternary	Branch	12.0	*	*	
RTM	2700	Sedimentary	Branch	12.0	N.S.	*	
CAR	2700	Ultramafic	Branch	12.0	*	*	
PAK	3100	Sedimentary	Branch	6.0	*	*	
HEL	3100	Ultramafic	Branch	1.6	N.S.	N.S.	
POR	700	Sedimentary	Epiphyte	40.0	N.S.	*	One-year cycle 3 / 9 sites
NAL	700	Ultramafic	Epiphyte	13.3	N.S.	N.S.	
PHQ	1700	Sedimentary	Epiphyte	12.5	N.S.	*	Significant one-year cycle (null spectrum) 1 / 9 sites (avr. spectrum) 2 / 9 sites
BAB	1700	Ultramafic	Epiphyte	30.0	N.S.	*	
ULA	1700	Quaternary	Epiphyte	12.0	*	*	
RTM	2700	Sedimentary	Epiphyte	1.0	N.S.	*	
CAR	2700	Ultramafic	Epiphyte	> 48	N.S.	N.S.	
PAK	3100	Sedimentary	Epiphyte	17.1	N.S.	*	
HEL	3100	Ultramafic	Epiphyte	10.0	N.S.	*	
POR	700	Sedimentary	Bamboo	1.1	*	*	One-year cycle 2 / 9 sites
NAL	700	Ultramafic	Bamboo	13.3	N.S.	*	
PHQ	1700	Sedimentary	Bamboo	> 48	*	*	Significant one-year cycle (null spectrum) 0 / 9 sites (avr. spectrum) 1 / 9 sites
BAB	1700	Ultramafic	Bamboo	1.0	N.S.	N.S.	
ULA	1700	Quaternary	Bamboo	12.0	N.S.	*	
RTM	2700	Sedimentary	Bamboo	> 48	N.S.	*	
CAR	2700	Ultramafic	Bamboo	> 48	N.S.	N.S.	
PAK	3100	Sedimentary	Bamboo	9.2	N.S.	N.S.	
HEL	3100	Ultramafic	Bamboo	> 48	*	*	
POR	700	Sedimentary	Dust	> 48	N.S.	*	One-year cycle 4 / 9 sites
NAL	700	Ultramafic	Dust	40.0	N.S.	*	
PHQ	1700	Sedimentary	Dust	11.8	*	*	Significant one-year cycle (null spectrum) 4 / 9 sites (avr. spectrum) 4 / 9 sites
BAB	1700	Ultramafic	Dust	> 48	N.S.	*	
ULA	1700	Quaternary	Dust	12.0	*	*	
RTM	2700	Sedimentary	Dust	12.0	*	*	
CAR	2700	Ultramafic	Dust	> 48	*	*	
PAK	3100	Sedimentary	Dust	> 48	*	*	
HEL	3100	Ultramafic	Dust	11.8	*	*	

†This column indicates how many study sites exhibited annual seasonality (i.e., one-year cycle). "One-year cycle" indicates the number of study sites of which dominant cycle is 12 ± 1.5 months. "Significant one-year cycle" indicates the number of study sites which showed significant annual seasonality compared with null or average spectrum.