

1 **Supplementary Information**

2 **Table S1** Stand density, average diameter at breast height (DBH), average height (H), basal area (BA)
 3 and important value (IV) of the top five tree species and whole stand in *P. massoniana* - *L. glaber*, *C.*
 4 *axillaris* and *L. glaber* - *Cyclobalanopsis glauca* forests. Values in parenthesis are the range of DBH and
 5 H.

Forest type	Tree species	Density (stem·ha ⁻¹)	DBH (cm)	H (m)	BA (m ² ·ha ⁻¹)	IV
<i>P. massoniana</i> - <i>L. glaber</i>	<i>P. massoniana</i>	495	14.4(4.0-42.7)	12.5(1.6-25.1)	9.45	28.24
	<i>L. glaber</i>	566	7.2(4.0-25.0)	7.4(1.7-18.4)	2.76	20.04
	<i>Cinnamomum camphora</i>	159	15.1(4.4-37.7)	10.8(2.0-18.2)	3.40	10.64
	<i>C. glauca</i>	126	10.3(4.0-27.5)	7.8(1.8-19.4)	1.43	7.51
	<i>Liquidambar formosana</i>	84	13.4(4.2-33.7)	10.1(3.6-18.3)	1.56	6.34
	Whole stand	1837	10.6(4.0-42.7)	9.2(1.6-25.1)	22.07	100.00
<i>C. axillaris</i>	<i>C. axillaris</i>	184	23.3(4.1-54.1)	15.7(3.2-34.5)	9.12	26.49
	<i>Loropetalum chinensis</i>	410	5.2(4.0-14.8)	4.9(1.6-21.5)	0.89	15.51
	<i>Symplocos setchuensis</i>	144	6.4(4.0-20.3)	5.2(2.0-8.9)	0.55	6.72
	<i>Vernicia Montana</i>	57	10.4(4.0-41.8)	9.7(1.5-23.6)	0.85	4.99
	<i>Vernicia fordii</i>	44	11.4(4.2-33.3)	10.0(3.6-23.5)	0.59	3.91
	Whole stand	1430	9.2(4.0-31.6)	7.2(1.3-34.5)	16.62	100.00
<i>L. glaber</i> - <i>C. glauca</i>	<i>L. glaber</i>	586	10.4(4.0-37.1)	9.6(2.2-19.5)	6.70	25.93
	<i>C. glauca</i>	164	12.8(4.0-34.6)	10.4(3.8-20.0)	3.01	9.90
	<i>P. massoniana</i>	123	18.0(7.0-32.2)	14.2(1.3-20.0)	3.46	9.77
	<i>C. axillaris</i>	83	19.3(4.0-46.8)	13.5(1.8-20.2)	2.85	7.91

<i>Cleyera japonica</i>	199	5.9(4.0-18.2)	5.8(2.2-16.1)	0.61	7.42
Whole stand	1788	11.0(4.0-46.8)	9.7(1.2-21.0)	23.67	100.00

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24 **Table S2** Statistical analysis of stepwise regression for effects of single factor on LAI values in *P.*
 25 *massoniana* - *L. glaber*, *C. axillaris* and *L. glaber* - *C. glauca* forests.

Month	Parameter	Sum sq	Mean sq	F-value	<i>p</i> -value	AIC
January	BA	0.638	0.638	1.282	0.258	-202.73
	Crown width	0.480	0.480	0.965	0.327	
	Crown coverage	0.468	0.468	0.941	0.333	
	PDSB	2.411	2.411	4.849	0.028*	
	Forest types	72.490	36.245	72.903	<2.000×10 ⁻¹⁶ ***	
July	Species richness	2.848	2.848	4.936	0.027*	-154.64
	Stem number	2.321	2.321	4.022	0.046*	
	Crown coverage	1.384	1.384	2.399	0.123	
	Forest types	3.999	1.999	3.465	0.033*	

26 The significance of the regressions (*p*) are ., *, **, *** for *p*<0.1, 0.05, 0.01, and 0.001, respectively

27

28

29

30

31

32

33

34

35

36 **Figure captions**

37 **Fig. S1** The residuals plot against fitted value (left panel) and normal Q-Q (right panel) of LAI values
38 measured in January in *P. massoniana* - *L. glaber*, *C. axillaris* and *L. glaber* - *C. glauca* forests.

39

40 **Fig. S2** The residuals plot against fitted value (left panel) and normal Q-Q (right panel) of LAI values
41 measured in July in *P. massoniana* - *L. glaber*, *C. axillaris* and *L. glaber* - *C. glauca* forests.

42

43

44

45

46

47

48

49

50

51

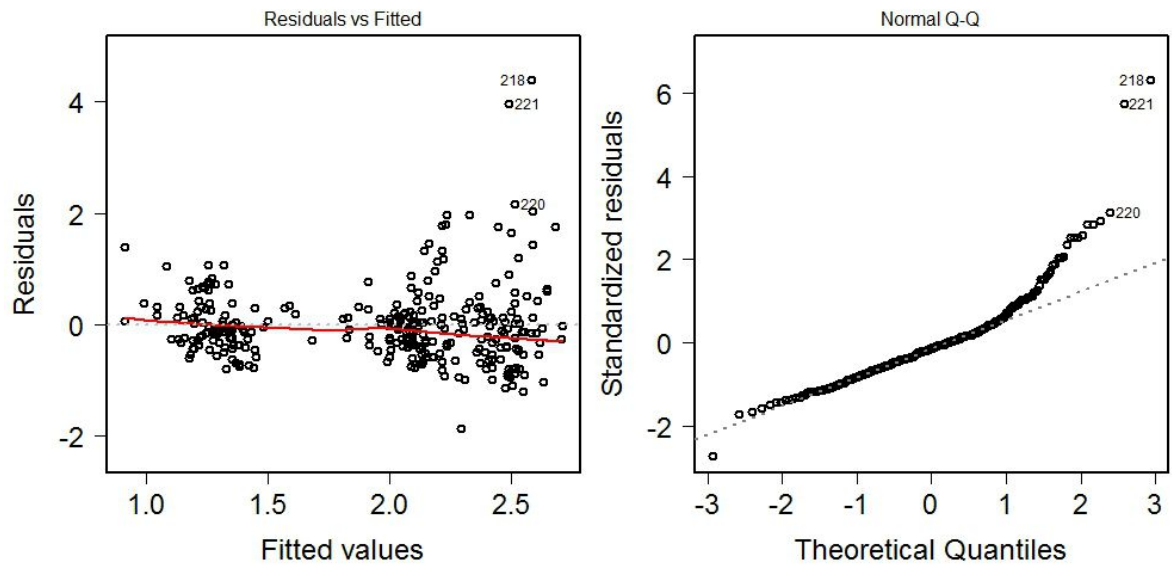
52

53

54

55 **Figure S1**

56



57

58

59

60

61

62

63

64

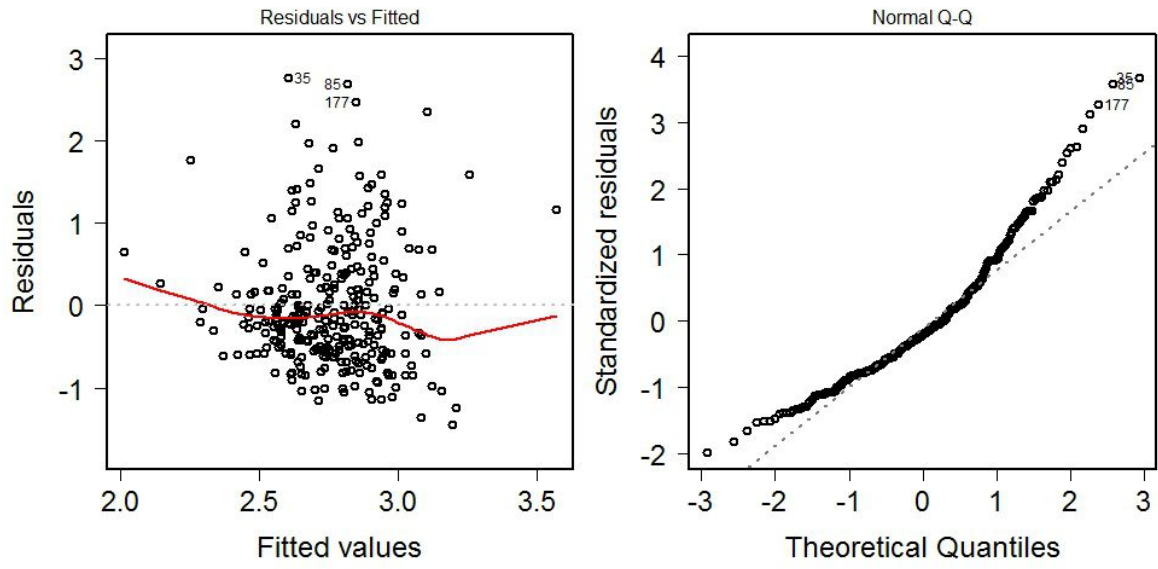
65

66

67

68 **Figure S2**

69



70

71