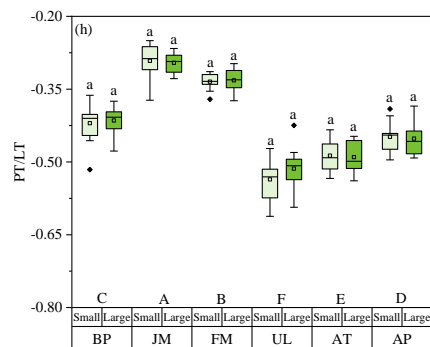
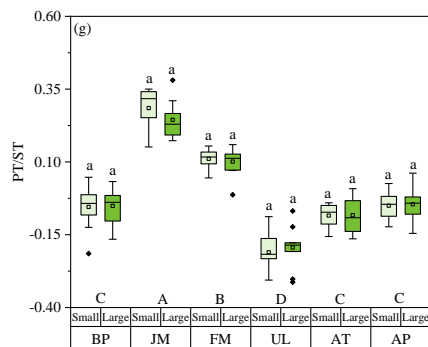
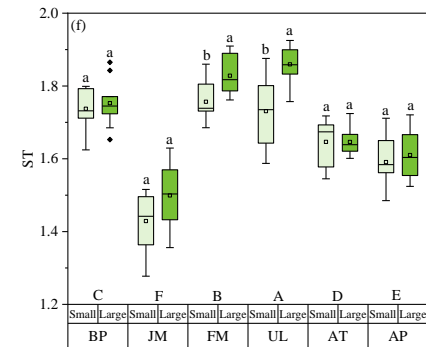
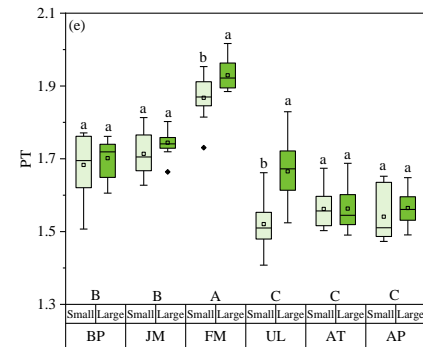
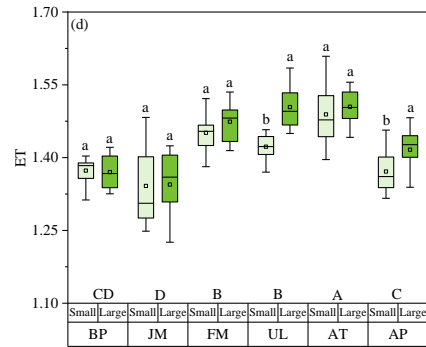
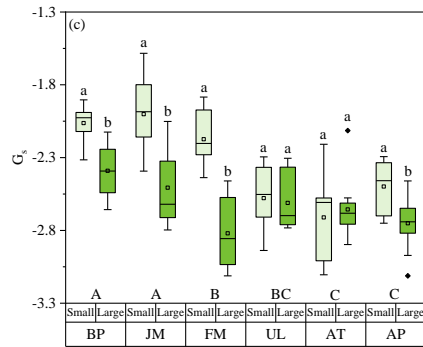
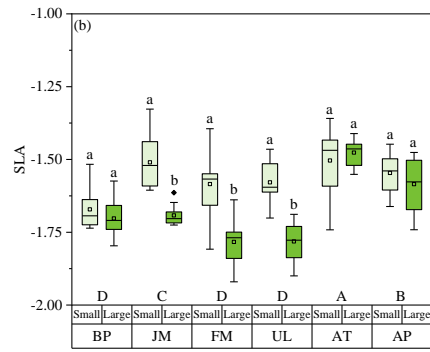
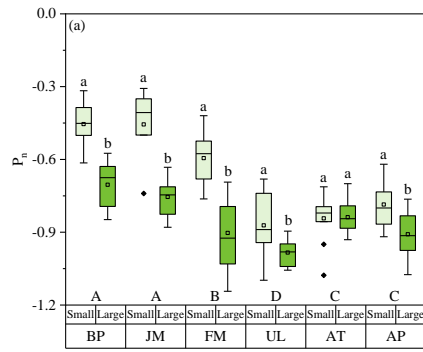
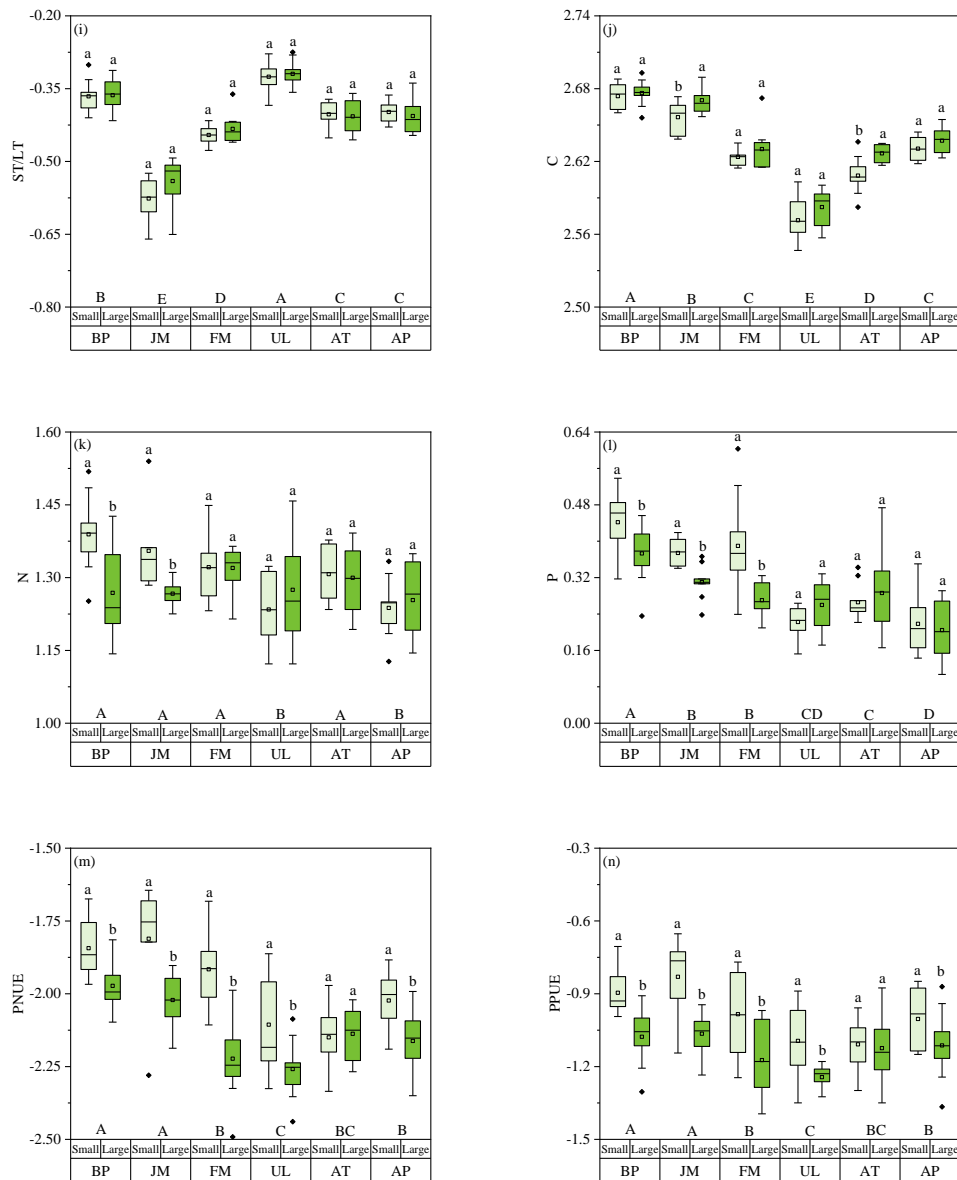


**Table S1** Basic information table for leaf traits

Leaf traits	Mean value	Minimum value	Maximum value
P <sub>n</sub>	0.19	0.07	0.49
ET	26.93	16.81	40.62
PT	49.44	25.58	103.93
ST	50.09	18.94	84.16
PT/ST	1.04	0.49	2.40
PT/LT	0.39	0.24	0.56
ST/LT	0.39	0.22	0.53
C	429.57	352.10	493.20
N	19.96	13.25	34.65
PNUE	0.0095	0.0032	0.0227
P	2.04	1.28	4.01
PPUE	0.0921	0.0403	0.2225
SLA	0.0250	0.0120	0.0471
G <sub>s</sub>	0.0043	<b>0.0008</b>	0.0261





**Figure S1** Variation in leaf traits between different tree species. Different capital letters indicated significant differences in leaf traits among different tree species ( $p < 0.05$ ). Different lowercase letters indicate significant differences in leaf traits between different sizes of the same tree species ( $p < 0.05$ ). The shade tolerance of tree species increased from left to right. BP: *Betula platyphylla*; JM: *Juglans mandshurica*; FM: *Fraxinus mandschurica*; UL: *Ulmus laciniata*; AT: *Acer tegmentosum*; AP: *Acer pictum* subsp. *mono*.