Supplementary Materials

Table S1. Biomass models of different tree species.

Type of Tree Species.		Biomass Models
Pinus massoniana Lamb.	Stem	$W_1 = \dfrac{1+0.31246D^{-0.39747}}{1+0.31246D^{-0.39747}+0.51699D^{-0.27280}+0.98710D^{-0.81602}} \times 0.099488D^{2.40859}$
	Branch	$W_2 = \dfrac{0.51699D^{-0.27280}}{1+0.31246D^{-0.39747}+0.51699D^{-0.27280}+0.98710D^{-0.81602}} \times 0.099488D^{2.40859}$
	Foliage	$W_3 = \dfrac{0.98710D^{-0.81602}}{1+0.31246D^{-0.39747}+0.51699D^{-0.27280}+0.98710D^{-0.81602}} \times 0.099488D^{2.40859}$
	Root	$W_4 = 0.008112D^{2.69505}$
Cunninghamia lanceolata (Lamb.) Hook.	Stem	$W_1 = \dfrac{1+0.33401D^{-0.22230}}{1+0.33401D^{-0.22230}+0.55008D^{-0.22495}+1.99726D^{-0.86167}} \times 0.043629D^{2.54589}$
	Branch	$W_2 = \dfrac{0.55008D^{-0.22495}}{1+0.33401D^{-0.22230}+0.55008D^{-0.22495}+1.99726D^{-0.86167}} \times 0.043629D^{2.54589}$
	Foliage	$W_3 = \dfrac{1.99726D^{-0.86167}}{1+0.33401D^{-0.22230}+0.55008D^{-0.22495}+1.99726D^{-0.86167}} \times 0.043629D^{2.54589}$
	Root	$W_4 = 0.008857D^{2.58617}$
Schima superba Gardn. et Champ.	Stem	$W_1 = \dfrac{1+0.485986D^{-0.27631}}{1+0.485986D^{-0.27631}+0.51669D^{-0.16334}+0.59783D^{-0.62017}} \times 0.17685D^{2.26314}$
	Branch	$W_2 = \dfrac{0.51669D^{-0.16334}}{1+0.485986D^{-0.27631}+0.51669D^{-0.16334}+0.59783D^{-0.62017}} \times 0.17685D^{2.26314}$
	Foliage	$W_3 = \dfrac{0.59783D^{-0.62017}}{1+0.485986D^{-0.27631}+0.51669D^{-0.16334}+0.59783D^{-0.62017}} \times 0.17685D^{2.26314}$
	Root	$W_4 = 0.064079D^{2.19784}$
Quercus L.	Stem	$W_1 = \dfrac{1+0.39929D^{-0.22114}}{1+0.39929D^{-0.22114}+0.51218D^{-0.05075}+0.22181D^{-0.24485}} \times 0.21360D^{2.30416}$
	Branch	$W_2 = \dfrac{0.51218D^{-0.05075}}{1+0.39929D^{-0.22114}+0.51218D^{-0.05075}+0.22181D^{-0.24485}} \times 0.21360D^{2.30416}$
	Foliage	$W_3 = \dfrac{0.22181D^{-0.24485}}{1+0.39929D^{-0.22114}+0.51218D^{-0.05075}+0.22181D^{-0.24485}} \times 0.21360D^{2.30416}$
	Root	$W_4 = 0.110595D^{2.05730}$

W_1, stem biomass (kg); W_2, branch biomass (kg); W_3, foliage biomass (kg); W_4, root biomass (kg); D, diameter at breast height 1.3 m and minimum ≥ 5 cm (cm). Biomass models in the table are from references [19–22].

Table S2. Statistical performance indicators of different models.

Models	Independent Variables	R^2
Model 1	Stand age	0.441
Model 2	Stand age, mean annual temperature	0.492
Model 3	Stand age, mean annual temperature, elevation	0.506
Model 4	Stand age, mean annual temperature, elevation, stand density	0.512

Table S3. Coefficients of model.

Model 4	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	VIF
	B	Standard Error	Beta			
Constant	−49.529	11.521		−4.299	0.000	

Stand age	1.355	0.115	0.416	11.792	0.000	1.024
Mean annual temperature	0.036	0.007	0.185	5.124	0.000	1.077
Elevation	0.023	0.007	0.119	3.277	0.001	1.076
Stand density	0.003	0.001	0.084	2.405	0.016	1.009