

Table S1. Allometric parameter estimates and their associated standard error (SE) and percent relative standard error (PRSE) obtained with the ordinary least squares (OLS) and the robust regression methods for bivariate line fitting. All equations are in the form of $\ln(y) = \ln a + b \ln(x)$, where x is DBH and y is the volume or biomass of the tree component. Percent relative standard error (PRSE) was calculated as $100 \times (SE/\theta)$ where SE and θ are the standard error of the parameter and the parameter value, respectively.

Tree compartment	Model	$\ln a$						b					
		Estimate		SE		PRSE (%)		Estimate		SE		PRSE (%)	
		OLS	Robust	OLS	Robust	OLS	Robust	OLS	Robust	OLS	Robust	OLS	Robust
Stem volume (dm ³)	General	-1.44	-1.45	0.14	0.10	9.6	7.0	2.31	2.32	0.05	0.04	2.1	1.6
	Brompton	-1.11	-1.11	0.14	0.10	12.6	8.6	2.22	2.22	0.05	0.03	2.1	1.4
	Megantic	-1.32	-1.32	0.36	0.29	27.2	22.1	2.27	2.27	0.12	0.09	5.3	4.2
	Ogden	-1.09	-1.09	0.16	0.14	14.4	12.5	2.15	2.15	0.06	0.05	2.8	2.5
Stem biomass (kg)	General	-2.01	-2.01	0.11	0.07	5.3	3.4	2.14	2.14	0.04	0.02	1.7	1.1
	Brompton	-1.94	-1.94	0.20	0.21	10.5	10.7	2.13	2.13	0.07	0.07	3.1	3.2
	Megantic	-2.07	-2.07	0.28	0.21	13.7	10.3	2.15	2.15	0.10	0.07	4.5	3.2
	Ogden	-1.97	-1.97	0.16	0.08	8.1	4.2	2.12	2.12	0.06	0.03	2.9	1.5
Branch biomass (kg)	General	-5.22	-5.16	0.46	0.43	8.8	8.4	2.76	2.74	0.16	0.14	5.7	5.1
	Brompton	-8.57	-8.53	0.40	0.37	4.7	4.4	3.78	3.76	0.13	0.11	3.5	3.0
	Megantic	-6.19	-6.19	0.80	0.76	13.0	12.2	3.12	3.12	0.27	0.24	8.7	7.7
	Ogden	-4.68	-4.68	0.43	0.23	9.1	5.0	2.63	2.63	0.16	0.09	6.2	3.3
Aboveground woody biomass (kg)	General	-2.14	-2.13	0.08	0.08	3.6	3.6	2.26	2.26	0.03	0.03	1.2	1.1
	Brompton	-2.58	-2.58	0.13	0.12	5.0	4.7	2.40	2.40	0.04	0.04	1.8	1.7
	Megantic	-2.38	-2.38	0.13	0.10	5.6	4.0	2.34	2.34	0.05	0.03	1.9	1.4
	Ogden	-2.03	-2.03	0.10	0.06	5.1	3.2	2.23	2.23	0.04	0.03	1.8	1.1
Coarse root biomass (kg)	General	-1.69	-1.69	0.47	0.46	28.2	27.4	1.50	1.50	0.17	0.16	11.1	10.8
	Brompton	-3.10	-3.10	0.78	0.65	25.3	20.9	1.92	1.92	0.26	0.23	13.5	11.9
	Megantic	-3.66	-3.66	0.37	0.27	10.1	7.5	2.13	2.13	0.13	0.09	5.9	4.3
	Ogden	-2.38	-2.38	0.78	0.64	32.9	27.0	1.89	1.89	0.30	0.25	16.0	13.0