

Supplementary material

Table S1. Coefficients of allometric equations (α , β and γ) used to determine the dry mass of different parts of Scots pine trees (stem, branches, needles and roots) for 9 variants of the experiment, evaluation of model fit and the number of selected equation (see: Materials and Methods).

Variant		Stem	Branches	Needles	Roots
SP-furr – LR-rem	α	0.0322	0.0089	0.0013	0.00019
	β	0.723	0.829	0.916	4.451
	γ	-	-	-	-
	R ²	0.947	0.729	0.758	0.752
	AIC	16.926	37.567	3.924	-0.519
	RSE	1.748	3.479	1.133	0.954
	equation no.	4	4	4	1
SP-furr – LR-leav	α	0.215	0.303	0.0164	0.00019
	β	1.908	3.354	2.355	4.451
	γ	-	-2.04	-	-
	R ²	0.928	0.892	0.797	0.752
	AIC	15.932	19.136	-6.794	-0.519
	RSE	1.691	1.791	0.793	0.954
	equation no.	1	2	1	1
SP-furr – LR-com	α	0.062	0.0157	0.0513	0.00019
	β	2.413	0.966	3.107	4.451
	γ	-	-	-1.482	-
	R ²	0.97	0.867	0.89	0.752
	AIC	8.997	20.917	-17.506	-0.519
	RSE	1.34	1.997	0.528	0.954
	equation no.	1	3	2	1
SP-tren – LR-rem	α	0.013	0.0063	0.0003	0.00019
	β	0.81	1.085	1.0589	4.451
	γ	-	-	-	-
	R ²	0.909	0.82	0.688	0.752
	AIC	23.587	19.32	3.506	-0.519
	RSE	2.183	1.894	1.117	0.954
	equation no.	4	3	4	1
SP-tren – LR-leav	α	0.035	0.0096	0.0052	0.00019
	β	0.936	3.037	3.022	4.451
	γ	-	-	-	-
	R ²	0.916	0.813	0.463	0.752
	AIC	20.591	25.549	30.03	-0.519
	RSE	1.976	2.33	2.706	0.954
	equation no.	3	1	1	1
SP-tren – LR-com	α	0.041	0.01	0.005	0.00019

	β	0.908	1.032	2.486	4.451
	γ	-	-	0.476	-
	R ²	0.853	0.779	0.732	0.752
	AIC	31.139	25.84	7.214	-0.519
	RSE	2.808	2.353	1.203	0.954
	equation no.	3	3	2	1
SP-bed – LR-rem	α	0.034	0.12	0.0012	0.00019
	β	1.674	2.32	2.567	4.451
	γ	1.127	-0.507	1.057	-
	R ²	0.97	0.92	0.815	0.752
	AIC	-3.479	4.838	-6.437	-0.519
	RSE	0.842	1.112	0.763	0.954
	equation no.	2	2	2	1
SP-bed – LR-leav	α	0.017	0.0021	0.0006	0.00019
	β	1.244	0.969	1.007	4.451
	γ	1.903	-	-	-
	R ²	0.937	0.89	0.962	0.752
	AIC	12.729	10.92	-32.806	-0.519
	RSE	1.446	1.431	0.333	0.954
	equation no.	2	4	4	1
SP-bed – LR-com	α	0.043	0.023	0.0035	0.00019
	β	1.603	0.91	1.063	4.451
	γ	1.13	-	-	-
	R ²	0.924	0.743	0.84	0.752
	AIC	20.432	22.108	-9.626	-0.519
	RSE	1.87	2.078	0.722	0.954
	equation no.	2	3	3	1