

Table S1. Model parameters and corresponding standard error estimate, t value and significance level. The variance components are also shown.

Parameters	Estimate	Std. Error	df	t-value	Pr(> t)	
(Intercept)	4.533E+03	7.272E-01	2.236E+04	6.233E+00	4.670E-10	***
Ln(DBH0)	1.132E+00	5.561E-02	1.991E+04	2.035E+01	2.000E-16	***
square(DBH0)	-1.593E-05	3.506E-05	2.111E+04	-4.540E-01	6.496E-01	
CRATIO	9.888E-01	1.039E-01	2.115E+04	9.518E+00	2.000E-16	***
BALT	-9.580E-03	1.484E-03	2.245E+04	-6.454E+00	1.110E-10	***
Slope	-6.881E-03	9.943E-04	2.228E+04	-6.920E+00	4.640E-12	***
sqrt(Altitude)	-2.788E-02	6.020E-03	2.280E+04	-4.631E+00	3.660E-06	***
Latitude	-5.188E-02	1.327E-02	2.164E+04	-3.911E+00	9.210E-05	***
Longitude	-6.379E-02	1.302E-02	2.187E+04	-4.898E+00	9.740E-07	***
<i>Acer campestre</i>	-4.596E+00	1.430E+00	2.274E+04	-3.213E+00	1.315E-03	**
<i>Acer opalus</i>	1.685E-01	3.244E+00	2.050E+04	5.200E-02	9.586E-01	
<i>Acer pseudoplatanus</i>	-5.720E+00	1.009E+00	2.230E+04	-5.670E+00	1.450E-08	***
<i>Alnus cordata</i>	-1.975E+00	2.545E+00	2.214E+04	-7.760E-01	4.377E-01	
<i>Alnus glutinosa</i>	7.997E-02	1.500E+00	2.073E+04	5.300E-02	9.575E-01	
<i>Betula pendula</i>	7.160E+00	4.740E+00	2.279E+04	1.510E+00	1.309E-01	
<i>Carpinus betulus</i>	-3.905E+00	1.446E+00	2.274E+04	-2.701E+00	6.910E-03	**
<i>Castanea sativa</i>	-4.111E+00	9.010E-01	2.238E+04	-4.563E+00	5.070E-06	***
<i>Fagus silvatica</i>	-3.243E+00	7.791E-01	2.274E+04	-4.162E+00	3.160E-05	***
<i>Fraxinus excelsior</i>	-4.386E+00	1.136E+00	2.257E+04	-3.859E+00	1.140E-04	***
<i>Fraxinus ornus</i>	-3.560E+00	9.088E-01	2.281E+04	-3.918E+00	8.970E-05	***
<i>Larix decidua</i>	-9.071E+00	1.916E+00	2.223E+04	-4.734E+00	2.210E-06	***
<i>Ostrya carpinifolia</i>	-4.557E+00	9.162E-01	2.280E+04	-4.973E+00	6.630E-07	***
<i>Picea abies</i>	-3.484E-01	1.104E+00	2.271E+04	-3.160E-01	7.524E-01	
<i>Pinus halepensis</i>	-5.319E+00	1.364E+00	1.601E+04	-3.898E+00	9.730E-05	***
<i>Pinus pinea</i>	-1.839E+00	1.513E+00	1.943E+04	-1.215E+00	2.243E-01	
<i>Pinus laricio</i>	1.460E-01	2.208E+00	1.842E+04	6.600E-02	9.473E-01	
<i>Pinus pinaster</i>	-6.835E-01	1.713E+00	2.075E+04	-3.990E-01	6.899E-01	
<i>Pinus nigra</i>	-8.133E-01	1.047E+00	2.041E+04	-7.770E-01	4.373E-01	
<i>Pinus sylvestris</i>	-1.509E+00	1.158E+00	2.280E+04	-1.303E+00	1.927E-01	
<i>Populus tremula</i>	-2.661E+00	1.585E+00	2.152E+04	-1.679E+00	9.313E-02	.
<i>Prunus avium</i>	-5.149E+00	1.329E+00	2.233E+04	-3.873E+00	1.080E-04	***
<i>Quercus cerris</i>	-9.828E-01	1.079E+00	2.134E+04	-9.110E-01	3.623E-01	
<i>Quercus ilex</i>	-2.767E+00	9.083E-01	2.122E+04	-3.046E+00	2.324E-03	**
<i>Quercus petraea</i>	-7.805E+00	1.746E+00	2.219E+04	-4.469E+00	7.900E-06	***
<i>Quercus pubescens</i>	-2.791E+00	8.201E-01	2.197E+04	-3.403E+00	6.680E-04	***
<i>Quercus suber</i>	-4.648E+00	1.955E+00	1.308E+04	-2.377E+00	1.748E-02	*
<i>Robinia pseudoacacia</i>	-4.014E+00	1.338E+00	2.207E+04	-2.999E+00	2.710E-03	**
<i>Sorbus aria</i>	-3.295E+00	1.591E+00	2.136E+04	-2.071E+00	3.839E-02	*
<i>Ulmus minor</i>	-2.500E+00	2.252E+00	2.233E+04	-1.110E+00	2.669E-01	
Ln(DBH0): <i>Acer campestre</i>	8.084E-02	9.753E-02	2.110E+04	8.290E-01	4.072E-01	
Ln(DBH0): <i>Acer opalus</i>	1.013E-01	1.122E-01	1.968E+04	9.030E-01	3.666E-01	
Ln(DBH0): <i>Acer pseudoplatanus</i>	-2.961E-02	9.421E-02	1.992E+04	-3.140E-01	7.533E-01	
Ln(DBH0): <i>Alnus cordata</i>	1.846E-01	1.525E-01	2.189E+04	1.210E+00	2.262E-01	

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Ln(DBH0): <i>Alnus glutinosa</i>	-2.877E-02	1.737E-01	2.202E+04	-1.660E-01	8.684E-01	
Ln(DBH0): <i>Betula pendula</i>	-5.433E-02	1.416E-01	1.976E+04	-3.840E-01	7.013E-01	
Ln(DBH0): <i>Carpinus betulus</i>	1.530E-01	1.223E-01	2.085E+04	1.251E+00	2.111E-01	
Ln(DBH0): <i>Castanea sativa</i>	2.199E-02	6.249E-02	2.062E+04	3.520E-01	7.249E-01	
Ln(DBH0): <i>Fagus silvatica</i>	9.465E-02	5.994E-02	2.000E+04	1.579E+00	1.143E-01	
Ln(DBH0): <i>Fraxinus excelsior</i>	5.107E-01	1.005E-01	2.079E+04	5.082E+00	3.760E-07	***
Ln(DBH0): <i>Fraxinus ornus</i>	2.833E-01	8.170E-02	2.012E+04	3.468E+00	5.260E-04	***
Ln(DBH0): <i>Larix decidua</i>	5.790E-02	7.494E-02	2.046E+04	7.730E-01	4.397E-01	
Ln(DBH0): <i>Ostrya carpinifolia</i>	3.000E-02	7.063E-02	2.024E+04	4.250E-01	6.710E-01	
Ln(DBH0): <i>Picea abies</i>	2.160E-01	6.176E-02	1.995E+04	3.498E+00	4.700E-04	***
Ln(DBH0): <i>Pinus halepensis</i>	3.879E-02	1.129E-01	2.230E+04	3.440E-01	7.312E-01	
Ln(DBH0): <i>Pinus pinea</i>	-4.329E-01	2.319E-01	2.281E+04	-1.867E+00	6.197E-02	.
Ln(DBH0): <i>Pinus laricio</i>	2.694E-02	1.508E-01	2.121E+04	1.790E-01	8.582E-01	
Ln(DBH0): <i>Pinus pinaster</i>	-1.513E-01	1.401E-01	2.178E+04	-1.080E+00	2.803E-01	
Ln(DBH0): <i>Pinus nigra</i>	2.210E-02	8.407E-02	2.053E+04	2.630E-01	7.927E-01	
Ln(DBH0): <i>Pinus sylvestris</i>	9.690E-02	8.096E-02	2.019E+04	1.197E+00	2.314E-01	
Ln(DBH0): <i>Populus tremula</i>	5.143E-02	1.422E-01	1.977E+04	3.620E-01	7.176E-01	
Ln(DBH0): <i>Prunus avium</i>	1.126E-01	9.948E-02	2.055E+04	1.132E+00	2.578E-01	
Ln(DBH0): <i>Quercus cerris</i>	1.559E-02	6.245E-02	2.023E+04	2.500E-01	8.028E-01	
Ln(DBH0): <i>Quercus ilex</i>	-4.289E-02	7.261E-02	2.101E+04	-5.910E-01	5.547E-01	
Ln(DBH0): <i>Quercus petraea</i>	2.303E-02	1.130E-01	2.059E+04	2.040E-01	8.385E-01	
Ln(DBH0): <i>Quercus pubescens</i>	8.761E-02	6.244E-02	2.028E+04	1.403E+00	1.606E-01	
Ln(DBH0): <i>Quercus suber</i>	-8.048E-02	1.343E-01	2.273E+04	-5.990E-01	5.491E-01	.
Ln(DBH0): <i>Robinia pseudoacacia</i>	1.501E-01	9.508E-02	2.109E+04	1.579E+00	1.145E-01	
Ln(DBH0): <i>Sorbus aria</i>	3.261E-01	1.854E-01	1.969E+04	1.759E+00	7.860E-02	
Ln(DBH0): <i>Ulmus minor</i>	6.233E-02	1.759E-01	2.127E+04	3.540E-01	7.231E-01	
square(DBH0): <i>Acer campestre</i>	-1.043E-04	1.753E-04	2.203E+04	-5.950E-01	5.519E-01	
square(DBH0): <i>Acer opalus</i>	-4.567E-05	1.451E-04	2.083E+04	-3.150E-01	7.530E-01	
square(DBH0): <i>Acer pseudoplatanus</i>	3.137E-05	1.163E-04	1.978E+04	2.700E-01	7.874E-01	
square(DBH0): <i>Alnus cordata</i>	-2.214E-04	1.807E-04	2.092E+04	-1.225E+00	2.204E-01	
square(DBH0): <i>Alnus glutinosa</i>	-2.662E-05	1.680E-04	2.199E+04	-1.580E-01	8.741E-01	
square(DBH0): <i>Betula pendula</i>	-2.488E-04	1.817E-04	2.042E+04	-1.369E+00	1.710E-01	
square(DBH0): <i>Carpinus betulus</i>	-1.305E-04	2.018E-04	2.240E+04	-6.470E-01	5.178E-01	
square(DBH0): <i>Castanea sativa</i>	-9.752E-05	4.088E-05	2.140E+04	-2.385E+00	1.707E-02	*
square(DBH0): <i>Fagus silvatica</i>	-4.502E-05	3.844E-05	2.094E+04	-1.171E+00	2.416E-01	
square(DBH0): <i>Fraxinus excelsior</i>	-6.151E-04	1.219E-04	2.118E+04	-5.047E+00	4.520E-07	***
square(DBH0): <i>Fraxinus ornus</i>	-3.373E-04	2.626E-04	2.042E+04	-1.285E+00	1.989E-01	
square(DBH0): <i>Larix decidua</i>	-1.461E-04	4.556E-05	2.101E+04	-3.206E+00	1.350E-03	**
square(DBH0): <i>Ostrya carpinifolia</i>	2.028E-04	1.162E-04	2.028E+04	1.745E+00	8.093E-02	.
square(DBH0): <i>Picea abies</i>	-1.257E-04	3.900E-05	2.095E+04	-3.224E+00	1.268E-03	**
square(DBH0): <i>Pinus halepensis</i>	-5.609E-05	1.095E-04	2.202E+04	-5.120E-01	6.085E-01	
square(DBH0): <i>Pinus pinea</i>	3.767E-04	1.642E-04	2.190E+04	2.295E+00	2.176E-02	*
square(DBH0): <i>Pinus laricio</i>	-3.627E-05	8.968E-05	2.068E+04	-4.040E-01	6.859E-01	
square(DBH0): <i>Pinus pinaster</i>	1.831E-04	1.180E-04	2.161E+04	1.552E+00	1.207E-01	
square(DBH0): <i>Pinus nigra</i>	-5.577E-05	6.996E-05	2.158E+04	-7.970E-01	4.254E-01	
square(DBH0): <i>Pinus sylvestris</i>	-3.020E-04	6.559E-05	2.073E+04	-4.604E+00	4.170E-06	***
square(DBH0): <i>Populus tremula</i>	1.766E-04	1.822E-04	2.021E+04	9.690E-01	3.325E-01	
square(DBH0): <i>Prunus avium</i>	-5.682E-05	1.135E-04	2.055E+04	-5.010E-01	6.166E-01	
square(DBH0): <i>Quercus cerris</i>	-5.060E-05	4.728E-05	2.102E+04	-1.070E+00	2.846E-01	
square(DBH0): <i>Quercus ilex</i>	3.788E-05	6.833E-05	2.164E+04	5.540E-01	5.793E-01	

square(DBH0): <i>Quercus petraea</i>	6.773E-05	1.200E-04	2.045E+04	5.640E-01	5.725E-01	
square(DBH0): <i>Quercus pubescens</i>	-1.073E-04	4.720E-05	2.099E+04	-2.274E+00	2.300E-02	*
square(DBH0): <i>Quercus suber</i>	8.760E-05	1.081E-04	2.231E+04	8.100E-01	4.177E-01	
square(DBH0): <i>Robinia pseudoacacia</i>	-2.594E-04	1.410E-04	2.126E+04	-1.839E+00	6.589E-02	.
square(DBH0): <i>Sorbus aria</i>	-1.133E-03	7.485E-04	1.970E+04	-1.513E+00	1.302E-01	
square(DBH0): <i>Ulmus minor</i>	-1.831E-04	4.499E-04	2.066E+04	-4.070E-01	6.840E-01	
sqrt(Altitude): <i>Acer campestre</i>	2.126E-02	7.249E-03	2.270E+04	2.933E+00	3.364E-03	**
sqrt(Altitude): <i>Acer opalus</i>	2.835E-02	9.652E-03	2.170E+04	2.938E+00	3.312E-03	**
sqrt(Altitude): <i>Acer pseudoplatanus</i>	2.973E-02	7.200E-03	2.257E+04	4.129E+00	3.650E-05	***
sqrt(Altitude): <i>Alnus cordata</i>	3.657E-02	1.113E-02	2.260E+04	3.285E+00	1.021E-03	**
sqrt(Altitude): <i>Alnus glutinosa</i>	2.403E-02	9.228E-03	2.191E+04	2.604E+00	9.220E-03	**
sqrt(Altitude): <i>Betula pendula</i>	3.085E-02	1.056E-02	2.276E+04	2.921E+00	3.487E-03	**
sqrt(Altitude): <i>Carpinus betulus</i>	2.588E-02	8.596E-03	2.265E+04	3.010E+00	2.613E-03	**
sqrt(Altitude): <i>Castanea sativa</i>	2.979E-02	6.754E-03	2.275E+04	4.411E+00	1.040E-05	***
sqrt(Altitude): <i>Fagus silvatica</i>	1.189E-02	6.432E-03	2.270E+04	1.849E+00	6.445E-02	.
sqrt(Altitude): <i>Fraxinus excelsior</i>	2.141E-02	7.724E-03	2.280E+04	2.772E+00	5.568E-03	**
sqrt(Altitude): <i>Fraxinus ornus</i>	2.657E-02	6.563E-03	2.280E+04	4.049E+00	5.160E-05	***
sqrt(Altitude): <i>Larix decidua</i>	2.972E-02	6.784E-03	2.262E+04	4.380E+00	1.190E-05	***
sqrt(Altitude): <i>Ostrya carpinifolia</i>	2.536E-02	6.522E-03	2.281E+04	3.888E+00	1.010E-04	***
sqrt(Altitude): <i>Picea abies</i>	2.098E-02	6.321E-03	2.250E+04	3.319E+00	9.060E-04	***
sqrt(Altitude): <i>Pinus halepensis</i>	3.982E-02	8.622E-03	1.882E+04	4.619E+00	3.880E-06	***
sqrt(Altitude): <i>Pinus pinea</i>	3.147E-02	1.022E-02	1.700E+04	3.081E+00	2.067E-03	**
sqrt(Altitude): <i>Pinus laricio</i>	6.619E-03	1.535E-02	1.786E+04	4.310E-01	6.664E-01	
sqrt(Altitude): <i>Pinus pinaster</i>	2.533E-02	9.902E-03	2.232E+04	2.558E+00	1.054E-02	*
sqrt(Altitude): <i>Pinus nigra</i>	3.069E-02	7.183E-03	2.262E+04	4.273E+00	1.940E-05	***
sqrt(Altitude): <i>Pinus sylvestris</i>	2.203E-02	6.928E-03	2.273E+04	3.180E+00	1.474E-03	**
sqrt(Altitude): <i>Populus tremula</i>	2.457E-02	8.839E-03	2.214E+04	2.780E+00	5.439E-03	**
sqrt(Altitude): <i>Prunus avium</i>	1.782E-02	7.561E-03	2.268E+04	2.357E+00	1.842E-02	*
sqrt(Altitude): <i>Quercus cerris</i>	1.691E-02	6.371E-03	2.279E+04	2.654E+00	7.969E-03	**
sqrt(Altitude): <i>Quercus ilex</i>	1.988E-02	6.903E-03	2.240E+04	2.880E+00	3.977E-03	**
sqrt(Altitude): <i>Quercus petraea</i>	1.738E-03	8.162E-03	2.278E+04	2.130E-01	8.313E-01	
sqrt(Altitude): <i>Quercus pubescens</i>	1.608E-02	6.334E-03	2.280E+04	2.538E+00	1.115E-02	*
sqrt(Altitude): <i>Quercus suber</i>	2.745E-02	1.092E-02	1.515E+04	2.513E+00	1.198E-02	*
sqrt(Altitude): <i>Robinia pseudoacacia</i>	3.418E-02	7.922E-03	2.261E+04	4.314E+00	1.610E-05	***
sqrt(Altitude): <i>Sorbus aria</i>	2.195E-02	8.987E-03	2.188E+04	2.443E+00	1.459E-02	*
sqrt(Altitude): <i>Ulmus minor</i>	3.357E-02	9.030E-03	2.277E+04	3.718E+00	2.020E-04	***
CRATIO: <i>Acer campestre</i>	-9.719E-01	1.885E-01	2.091E+04	-5.156E+00	2.550E-07	***
CRATIO: <i>Acer opalus</i>	-7.993E-01	2.264E-01	2.006E+04	-3.531E+00	4.160E-04	***
CRATIO: <i>Acer pseudoplatanus</i>	-8.251E-01	1.704E-01	2.056E+04	-4.841E+00	1.300E-06	***
CRATIO: <i>Alnus cordata</i>	-7.210E-01	2.325E-01	2.088E+04	-3.101E+00	1.932E-03	**
CRATIO: <i>Alnus glutinosa</i>	-7.388E-01	2.271E-01	2.169E+04	-3.254E+00	1.141E-03	**
CRATIO: <i>Betula pendula</i>	-9.447E-01	2.554E-01	2.074E+04	-3.700E+00	2.170E-04	***
CRATIO: <i>Carpinus betulus</i>	-1.301E+00	2.172E-01	2.082E+04	-5.990E+00	2.130E-09	***
CRATIO: <i>Castanea sativa</i>	-7.244E-01	1.224E-01	2.137E+04	-5.916E+00	3.340E-09	***
CRATIO: <i>Fagus silvatica</i>	-7.828E-01	1.132E-01	2.106E+04	-6.913E+00	4.870E-12	***
CRATIO: <i>Fraxinus excelsior</i>	-7.241E-01	1.874E-01	2.127E+04	-3.863E+00	1.120E-04	***
CRATIO: <i>Fraxinus ornus</i>	-7.944E-01	1.331E-01	2.088E+04	-5.970E+00	2.420E-09	***
CRATIO: <i>Larix decidua</i>	-1.584E-01	1.382E-01	2.141E+04	-1.146E+00	2.519E-01	
CRATIO: <i>Ostrya carpinifolia</i>	-1.029E+00	1.272E-01	2.122E+04	-8.093E+00	6.130E-16	***

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CRATIO: <i>Picea abies</i>	6.160E-02	1.202E-01	2.091E+04	5.130E-01	6.082E-01	
CRATIO: <i>Pinus halepensis</i>	-2.436E-01	2.219E-01	2.256E+04	-1.098E+00	2.723E-01	
CRATIO: <i>Pinus pinea</i>	-4.668E-01	3.117E-01	2.201E+04	-1.497E+00	1.343E-01	
CRATIO: <i>Pinus laricio</i>	-3.109E-01	2.394E-01	2.281E+04	-1.299E+00	1.941E-01	
CRATIO: <i>Pinus pinaster</i>	-3.326E-01	2.478E-01	2.280E+04	-1.342E+00	1.796E-01	
CRATIO: <i>Pinus nigra</i>	-8.092E-02	1.495E-01	2.232E+04	-5.410E-01	5.884E-01	
CRATIO: <i>Pinus sylvestris</i>	1.148E-01	1.483E-01	2.113E+04	7.740E-01	4.388E-01	
CRATIO: <i>Populus tremula</i>	-1.408E-01	2.457E-01	2.019E+04	-5.730E-01	5.666E-01	
CRATIO: <i>Prunus avium</i>	-1.035E+00	1.846E-01	2.104E+04	-5.607E+00	2.090E-08	***
CRATIO: <i>Quercus cerris</i>	-7.390E-01	1.198E-01	2.147E+04	-6.171E+00	6.920E-10	***
CRATIO: <i>Quercus ilex</i>	-9.725E-01	1.539E-01	2.186E+04	-6.318E+00	2.690E-10	***
CRATIO: <i>Quercus petraea</i>	-7.681E-01	2.021E-01	2.128E+04	-3.800E+00	1.450E-04	***
CRATIO: <i>Quercus pubescens</i>	-8.092E-01	1.201E-01	2.127E+04	-6.735E+00	1.680E-11	***
CRATIO: <i>Quercus suber</i>	-6.573E-01	2.992E-01	2.217E+04	-2.197E+00	2.804E-02	*
CRATIO: <i>Robinia pseudoacacia</i>	-6.609E-01	1.723E-01	2.218E+04	-3.836E+00	1.250E-04	***
CRATIO: <i>Sorbus aria</i>	-6.743E-01	2.395E-01	2.004E+04	-2.816E+00	4.874E-03	**
CRATIO: <i>Ulmus minor</i>	-4.674E-01	2.336E-01	2.135E+04	-2.001E+00	4.542E-02	*
BALT: <i>Acer campestre</i>	6.144E-03	2.981E-03	2.181E+04	2.061E+00	3.931E-02	*
BALT: <i>Acer opalus</i>	1.020E-02	4.002E-03	2.125E+04	2.548E+00	1.084E-02	*
BALT: <i>Acer pseudoplatanus</i>	5.974E-03	2.602E-03	2.170E+04	2.295E+00	2.172E-02	*
BALT: <i>Alnus cordata</i>	1.183E-02	4.141E-03	2.267E+04	2.856E+00	4.298E-03	**
BALT: <i>Alnus glutinosa</i>	5.749E-03	3.751E-03	2.265E+04	1.533E+00	1.254E-01	
BALT: <i>Betula pendula</i>	6.086E-03	4.125E-03	2.257E+04	1.475E+00	1.402E-01	
BALT: <i>Carpinus betulus</i>	1.197E-02	3.631E-03	2.238E+04	3.297E+00	9.780E-04	***
BALT: <i>Castanea sativa</i>	4.425E-03	1.786E-03	2.274E+04	2.478E+00	1.322E-02	*
BALT: <i>Fagus silvatica</i>	5.831E-03	1.658E-03	2.234E+04	3.516E+00	4.390E-04	***
BALT: <i>Fraxinus excelsior</i>	4.205E-03	2.961E-03	2.215E+04	1.420E+00	1.556E-01	
BALT: <i>Fraxinus ornus</i>	8.485E-03	2.030E-03	2.212E+04	4.180E+00	2.920E-05	***
BALT: <i>Larix decidua</i>	-1.927E-03	2.010E-03	2.203E+04	-9.590E-01	3.377E-01	
BALT: <i>Ostrya carpinifolia</i>	9.575E-03	1.935E-03	2.232E+04	4.948E+00	7.540E-07	***
BALT: <i>Picea abies</i>	-3.001E-03	1.640E-03	2.193E+04	-1.830E+00	6.730E-02	.
BALT: <i>Pinus halepensis</i>	5.999E-03	4.374E-03	2.249E+04	1.372E+00	1.702E-01	
BALT: <i>Pinus pinea</i>	7.134E-03	5.622E-03	2.270E+04	1.269E+00	2.045E-01	
BALT: <i>Pinus laricio</i>	5.310E-05	2.932E-03	2.253E+04	1.800E-02	9.856E-01	
BALT: <i>Pinus pinaster</i>	-1.221E-03	4.291E-03	2.276E+04	-2.840E-01	7.761E-01	
BALT: <i>Pinus nigra</i>	-9.165E-04	2.108E-03	2.233E+04	-4.350E-01	6.637E-01	
BALT: <i>Pinus sylvestris</i>	8.910E-04	2.359E-03	2.198E+04	3.780E-01	7.057E-01	
BALT: <i>Populus tremula</i>	8.663E-03	4.622E-03	2.012E+04	1.874E+00	6.092E-02	.
BALT: <i>Prunus avium</i>	9.116E-03	2.933E-03	2.139E+04	3.108E+00	1.886E-03	**
BALT: <i>Quercus cerris</i>	2.421E-03	1.915E-03	2.244E+04	1.265E+00	2.060E-01	
BALT: <i>Quercus ilex</i>	9.776E-03	2.516E-03	2.280E+04	3.886E+00	1.020E-04	***
BALT: <i>Quercus petraea</i>	1.231E-02	3.597E-03	2.209E+04	3.423E+00	6.190E-04	***
BALT: <i>Quercus pubescens</i>	1.035E-02	1.994E-03	2.261E+04	5.192E+00	2.100E-07	***
BALT: <i>Quercus suber</i>	1.669E-02	5.924E-03	1.867E+04	2.818E+00	4.842E-03	**
BALT: <i>Robinia pseudoacacia</i>	-4.800E-03	3.491E-03	2.253E+04	-1.375E+00	1.692E-01	
BALT: <i>Sorbus aria</i>	9.544E-03	3.678E-03	2.034E+04	2.595E+00	9.459E-03	**
BALT: <i>Ulmus minor</i>	8.948E-03	4.495E-03	2.231E+04	1.991E+00	4.652E-02	*
Slope: <i>Acer campestre</i>	5.203E-03	1.541E-03	2.253E+04	3.377E+00	7.340E-04	***
Slope: <i>Acer opalus</i>	4.344E-03	1.693E-03	2.212E+04	2.565E+00	1.031E-02	*

Slope: <i>Acer pseudoplatanus</i>	4.432E-03	1.333E-03	2.253E+04	3.325E+00	8.850E-04	***
Slope: <i>Alnus cordata</i>	6.008E-03	2.499E-03	2.270E+04	2.404E+00	1.622E-02	*
Slope: <i>Alnus glutinosa</i>	7.446E-03	2.109E-03	2.229E+04	3.531E+00	4.160E-04	***
Slope: <i>Betula pendula</i>	2.799E-03	2.411E-03	2.211E+04	1.161E+00	2.458E-01	
Slope: <i>Carpinus betulus</i>	4.602E-03	1.679E-03	2.256E+04	2.741E+00	6.134E-03	**
Slope: <i>Castanea sativa</i>	4.052E-03	1.182E-03	2.241E+04	3.429E+00	6.060E-04	***
Slope: <i>Fagus silvatica</i>	5.888E-03	1.043E-03	2.277E+04	5.643E+00	1.690E-08	***
Slope: <i>Fraxinus excelsior</i>	3.973E-03	1.607E-03	2.279E+04	2.473E+00	1.342E-02	*
Slope: <i>Fraxinus ornus</i>	5.194E-03	1.167E-03	2.278E+04	4.451E+00	8.610E-06	***
Slope: <i>Larix decidua</i>	5.227E-03	1.176E-03	2.281E+04	4.444E+00	8.860E-06	***
Slope: <i>Ostrya carpinifolia</i>	4.964E-03	1.135E-03	2.271E+04	4.373E+00	1.230E-05	***
Slope: <i>Picea abies</i>	4.849E-03	1.052E-03	2.257E+04	4.607E+00	4.100E-06	***
Slope: <i>Pinus halepensis</i>	4.556E-03	2.115E-03	1.728E+04	2.154E+00	3.125E-02	*
Slope: <i>Pinus pinea</i>	2.568E-03	2.956E-03	1.671E+04	8.690E-01	3.850E-01	
Slope: <i>Pinus laricio</i>	1.863E-03	2.501E-03	1.716E+04	7.450E-01	4.564E-01	
Slope: <i>Pinus pinaster</i>	3.180E-03	2.197E-03	2.141E+04	1.447E+00	1.478E-01	
Slope: <i>Pinus nigra</i>	5.074E-03	1.375E-03	2.217E+04	3.690E+00	2.240E-04	***
Slope: <i>Pinus sylvestris</i>	3.873E-03	1.261E-03	2.281E+04	3.071E+00	2.136E-03	**
Slope: <i>Populus tremula</i>	5.043E-03	2.091E-03	2.145E+04	2.412E+00	1.589E-02	*
Slope: <i>Prunus avium</i>	4.006E-03	1.575E-03	2.237E+04	2.543E+00	1.099E-02	*
Slope: <i>Quercus cerris</i>	4.910E-03	1.139E-03	2.219E+04	4.309E+00	1.650E-05	***
Slope: <i>Quercus ilex</i>	4.923E-03	1.267E-03	2.097E+04	3.887E+00	1.020E-04	***
Slope: <i>Quercus petraea</i>	3.758E-03	1.788E-03	2.281E+04	2.101E+00	3.562E-02	*
Slope: <i>Quercus pubescens</i>	5.257E-03	1.098E-03	2.247E+04	4.787E+00	1.700E-06	***
Slope: <i>Quercus suber</i>	6.258E-03	2.681E-03	1.689E+04	2.334E+00	1.961E-02	*
Slope: <i>Robinia pseudoacacia</i>	5.438E-03	1.572E-03	2.181E+04	3.459E+00	5.420E-04	***
Slope: <i>Sorbus aria</i>	4.952E-03	1.822E-03	2.160E+04	2.718E+00	6.565E-03	**
Slope: <i>Ulmus minor</i>	4.246E-03	2.114E-03	2.278E+04	2.009E+00	4.456E-02	*
Latitude: <i>Acer campestre</i>	6.743E-02	2.748E-02	2.281E+04	2.454E+00	1.414E-02	*
Latitude: <i>Acer opalus</i>	-3.418E-02	6.129E-02	2.073E+04	-5.580E-01	5.770E-01	
Latitude: <i>Acer pseudoplatanus</i>	9.526E-02	1.918E-02	2.247E+04	4.968E+00	6.820E-07	***
Latitude: <i>Alnus cordata</i>	1.051E-03	4.748E-02	2.230E+04	2.200E-02	9.823E-01	
Latitude: <i>Alnus glutinosa</i>	-2.412E-02	2.921E-02	1.972E+04	-8.260E-01	4.089E-01	
Latitude: <i>Betula pendula</i>	-1.925E-01	1.115E-01	2.280E+04	-1.726E+00	8.431E-02	.
Latitude: <i>Carpinus betulus</i>	5.278E-02	2.898E-02	2.277E+04	1.821E+00	6.857E-02	.
Latitude: <i>Castanea sativa</i>	5.485E-02	1.670E-02	2.205E+04	3.284E+00	1.024E-03	**
Latitude: <i>Fagus silvatica</i>	4.525E-02	1.401E-02	2.281E+04	3.231E+00	1.236E-03	**
Latitude: <i>Fraxinus excelsior</i>	4.659E-02	2.208E-02	2.262E+04	2.110E+00	3.489E-02	*
Latitude: <i>Fraxinus ornus</i>	3.154E-02	1.685E-02	2.278E+04	1.872E+00	6.123E-02	.
Latitude: <i>Larix decidua</i>	1.516E-01	4.328E-02	2.207E+04	3.504E+00	4.590E-04	***
Latitude: <i>Ostrya carpinifolia</i>	6.774E-02	1.692E-02	2.271E+04	4.004E+00	6.260E-05	***
Latitude: <i>Picea abies</i>	-3.973E-02	2.330E-02	2.251E+04	-1.705E+00	8.814E-02	.
Latitude: <i>Pinus halepensis</i>	7.994E-02	2.712E-02	1.488E+04	2.948E+00	3.206E-03	**
Latitude: <i>Pinus pinea</i>	2.936E-02	2.979E-02	1.825E+04	9.860E-01	3.243E-01	
Latitude: <i>Pinus laricio</i>	-2.417E-02	4.177E-02	1.956E+04	-5.790E-01	5.628E-01	
Latitude: <i>Pinus pinaster</i>	-1.303E-02	3.262E-02	2.064E+04	-3.990E-01	6.896E-01	
Latitude: <i>Pinus nigra</i>	-2.208E-02	1.930E-02	1.970E+04	-1.144E+00	2.527E-01	
Latitude: <i>Pinus sylvestris</i>	-1.474E-02	2.492E-02	2.281E+04	-5.920E-01	5.541E-01	
Latitude: <i>Populus tremula</i>	2.637E-02	3.100E-02	2.159E+04	8.510E-01	3.948E-01	
Latitude: <i>Prunus avium</i>	8.418E-02	2.638E-02	2.230E+04	3.191E+00	1.422E-03	**

Supplementary table to the article “An individual-tree linear mixed-effects model for predicting the basal area increment of major forest species in Southern Europe”, by Lucio Di Cosmo, Diego Giuliani, Maria M. Dickson and Patrizia Gasparini. *Forest Systems* Vol. 29 No. 3, December 2020
<https://doi.org/10.5424/fs/2020293-15500>

Latitude: <i>Quercus cerris</i>	1.576E-03	2.028E-02	2.087E+04	7.800E-02	9.381E-01	
Latitude: <i>Quercus ilex</i>	2.816E-02	1.753E-02	2.084E+04	1.607E+00	1.082E-01	
Latitude: <i>Quercus petraea</i>	1.638E-01	3.850E-02	2.144E+04	4.254E+00	2.110E-05	***
Latitude: <i>Quercus pubescens</i>	2.426E-02	1.508E-02	2.131E+04	1.608E+00	1.077E-01	
Latitude: <i>Quercus suber</i>	7.056E-02	4.202E-02	1.204E+04	1.679E+00	9.313E-02	.
Latitude: <i>Robinia pseudoacacia</i>	5.038E-02	2.518E-02	2.165E+04	2.001E+00	4.540E-02	*
Latitude: <i>Sorbus aria</i>	2.938E-02	3.039E-02	2.130E+04	9.670E-01	3.336E-01	
Latitude: <i>Ulmus minor</i>	2.588E-02	4.510E-02	2.234E+04	5.740E-01	5.662E-01	
Longitude: <i>Acer campestre</i>	6.132E-02	2.224E-02	2.260E+04	2.757E+00	5.841E-03	**
Longitude: <i>Acer opalus</i>	5.299E-03	4.557E-02	2.046E+04	1.160E-01	9.074E-01	
Longitude: <i>Acer pseudoplatanus</i>	6.151E-02	1.753E-02	2.264E+04	3.508E+00	4.520E-04	***
Longitude: <i>Alnus cordata</i>	2.167E-02	4.869E-02	2.216E+04	4.450E-01	6.563E-01	
Longitude: <i>Alnus glutinosa</i>	1.409E-02	2.313E-02	2.122E+04	6.090E-01	5.425E-01	
Longitude: <i>Betula pendula</i>	1.039E-01	4.288E-02	2.281E+04	2.424E+00	1.535E-02	*
Longitude: <i>Carpinus betulus</i>	4.647E-02	2.340E-02	2.269E+04	1.986E+00	4.706E-02	*
Longitude: <i>Castanea sativa</i>	7.116E-02	1.500E-02	2.222E+04	4.745E+00	2.100E-06	***
Longitude: <i>Fagus silvatica</i>	4.432E-02	1.381E-02	2.275E+04	3.211E+00	1.327E-03	**
Longitude: <i>Fraxinus excelsior</i>	4.529E-02	1.753E-02	2.281E+04	2.583E+00	9.795E-03	**
Longitude: <i>Fraxinus ornus</i>	4.676E-02	1.588E-02	2.272E+04	2.945E+00	3.232E-03	**
Longitude: <i>Larix decidua</i>	4.121E-02	1.901E-02	2.261E+04	2.168E+00	3.019E-02	*
Longitude: <i>Ostrya carpinifolia</i>	5.182E-02	1.590E-02	2.270E+04	3.259E+00	1.121E-03	**
Longitude: <i>Picea abies</i>	5.018E-02	1.532E-02	2.281E+04	3.276E+00	1.054E-03	**
Longitude: <i>Pinus halepensis</i>	4.556E-02	2.146E-02	1.653E+04	2.123E+00	3.377E-02	*
Longitude: <i>Pinus pinea</i>	4.233E-02	2.790E-02	1.687E+04	1.517E+00	1.292E-01	
Longitude: <i>Pinus laricio</i>	4.097E-02	2.870E-02	1.915E+04	1.428E+00	1.534E-01	
Longitude: <i>Pinus pinaster</i>	6.030E-02	2.416E-02	2.087E+04	2.495E+00	1.259E-02	*
Longitude: <i>Pinus nigra</i>	3.453E-02	1.706E-02	2.055E+04	2.023E+00	4.305E-02	*
Longitude: <i>Pinus sylvestris</i>	6.579E-02	1.692E-02	2.275E+04	3.889E+00	1.010E-04	***
Longitude: <i>Populus tremula</i>	1.361E-02	2.350E-02	2.237E+04	5.790E-01	5.624E-01	
Longitude: <i>Prunus avium</i>	5.990E-02	1.884E-02	2.280E+04	3.180E+00	1.475E-03	**
Longitude: <i>Quercus cerris</i>	1.793E-02	1.768E-02	2.128E+04	1.014E+00	3.106E-01	
Longitude: <i>Quercus ilex</i>	6.387E-02	1.498E-02	2.034E+04	4.263E+00	2.030E-05	***
Longitude: <i>Quercus petraea</i>	-1.007E-02	2.092E-02	2.270E+04	-4.810E-01	6.303E-01	
Longitude: <i>Quercus pubescens</i>	5.250E-02	1.445E-02	2.168E+04	3.634E+00	2.790E-04	***
Longitude: <i>Quercus suber</i>	4.938E-02	2.506E-02	1.853E+04	1.970E+00	4.881E-02	*
Longitude: <i>Robinia pseudoacacia</i>	5.307E-02	1.993E-02	2.227E+04	2.663E+00	7.760E-03	**
Longitude: <i>Sorbus aria</i>	4.530E-02	2.190E-02	2.215E+04	2.069E+00	3.860E-02	*
Longitude: <i>Ulmus minor</i>	6.869E-03	3.131E-02	2.251E+04	2.190E-01	8.264E-01	

Reference species is *Abies alba*

The estimate of the plot level variance is 0.1278; the estimate of the residual variance is 0.1221.

The results are based on 23091 sample-trees, grouped by 5116 plots.