

SM.1 Details for the calculation of solar radiation, soil water capacity (SWC) and potential evapotranspiration (ETP) and topography

Extraterrestrial radiation R_A

R_A was calculated from Allen et al., (1998):

$$R_A = (1440/\pi) \times G_{sc} d_r [\omega_s \sin(\phi) \sin(\delta) + \cos(\phi) \cos(\delta) \sin(\omega_s)] \quad (1)$$

where G_{sc} is the solar constant ($\text{MJ.m}^{-2}.\text{min}^{-1}$), d_r the inverse relative distance Earth-Sun, ω the sunset hour angle (rad), ϕ the latitude (rad) and δ the solar declination (rad). Each of the aforementioned variables was also calculated according to Allen et al., (1998), with the data at hand.

The plots coordinates were converted from Lambert93 to radians using the Convers© software (available at <http://vtopo.free.fr/>) in order to fit the equations requirements in terms of units. R_A was estimated on a monthly basis in order to be used for estimating the global radiation (see next point).

Global radiation R_G

The variable was calculated in two steps: first the ratio R_G to R_A using the equation from Allen, (1997):

$$R_G/R_A = K_R \times (T_{max} - T_{min})^{0.5} \quad (2)$$

where R_G is the global solar radiation ($\text{MJ.m}^{-2}.\text{day}^{-1}$), R_A the extraterrestrial radiation ($\text{MJ.m}^{-2}.\text{day}^{-1}$), K_R an empirical coefficient, T_{max} and T_{min} mean monthly maximum and minimum temperatures respectively ($^{\circ}\text{C}$) taken from the MeteoFrance database. The ratio was then multiplied by the R_A calculated beforehand in order to obtain the desired value of R_G .

Soil water capacity (SWC)

To calculate SWC for each plot, a table from Jamagne et al., (1977) was used in order to get the required values of SWC per soil class; after a rearrangement of the soil classes inside the IFN classification, the total SWC (mm) was calculated using mean SWC per soil class (converted into

mm.mm⁻¹), soil depth (mm) and volume percentage of coarse elements in the soil, i.e. pebbles, boulders and gravel with a diameter greater than 2mm (%) already present in the IFN database:

$$SWC = \sum_{j=1}^2 (mean\ SWC)_j \times (soil\ depth)_j \times (1 - coarse\ elements\ percentage)_j \quad (3)$$

Potential evapotranspiration (PET)

Using the Thornthwaite formula, PET for each month was calculated (Thornthwaite, 1948):

$$PET_j = 16 \times [(10 \times T_j)/I]^a \times F_\lambda \quad (4)$$

where PET_j is the monthly potential evapotranspiration (mm/month), T_j the mean monthly temperature (°C), F_λ the latitude correction, I the sum of the 12 monthly thermal index :

$$I = \sum_{j=1}^{12} (T_j/5)^{1.514} \quad (5)$$

and

$$a = 6.75 \times 10^{-7} \times I^3 - 7.71 \times 10^{-5} \times I^2 + 1.79 \times 10^{-2} \times I + 0.49 \quad (6)$$

Topography

FigureSM.1 illustrates graphically the definition of the various topography situations that were used.

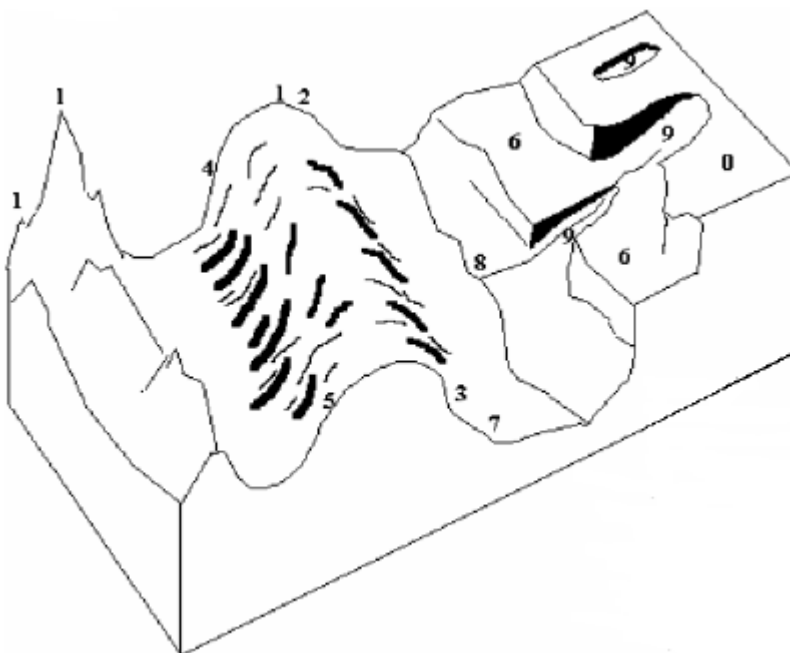


Figure SM.1: Topographical situations as defined by the IFN documentation. 0: flat terrain, 1: summit (sharp, round or escarpment), 2: top part of the slope, 3: concave mid-slope, 4: straight mid-slope, 5: convex mid-slope, 6: flat profile on a slope, 7: bottom part of the slope, 8: wide valley, 9: closed depression. The dataset removed situation 0, 6 and 8. ©Inventaire forestier national, 2011.

Supplementary tables

Table SM.1 Summary statistics of the explanatory variables used in the models. Precipitation (ppt), potential evapotranspiration (ETP) and solar radiation (solrad) were summed over the growing season, from May to September.

Variable	Unit	Mean	Standard deviation	Minimum	Maximum
C	%	74.6	23.7	0	135
G	m ² /ha	35.4	17.5	0.51	87.6
C.spruce	%	27.2	29.4	0	100
C.fir	%	36.5	28.7	0	100
C.othersp	%	10.9	13.0	0	70.0
G.spruce	m ² /ha	13.4	16.1	0	69.7
G.fir	m ² /ha	20.2	19.2	0	83.3
G.othersp	m ² /ha	1.74	2.40	0	14.5
G.BT	m ² /ha	11.7	11.8	0	59.7
G.VBT	m ² /ha	2.52	6.70	0	65.0
G.MT	m ² /ha	17.6	13.4	0	68.0
G.ST	m ² /ha	3.57	5.19	0	42.9
rs	-	2.15	0.95	1.00	5.00
Dominance.C	-	0.753	0.204	0	1
Dominance.G	%	85.5	15.4	42.5	100
Aspect	gr	217.7	125.3	0	399
Elevation	%	1116.7	344.1	347	2176
Reaction	%	4.96	0.54	2.98	6.63
ppt	mm	598.7	115.6	251.4	810.6
solrad	MJ.m ² .min ⁻¹	645.4	31.6	548.2	782.1

ETP	mm	283.1	13.3	252.8	338.2
SWC	mm	80.7	68.9	0	291.5
T	°C	7.7	1.4	4.1	12.4
Tmin	°C	-4.11	1.97	-9.63	0.91
Slope	%	33.8	23.8	0	105
Mask	gr	7.79	13.4	0	80

Table SM.2 Summary statistics of the floristic species richness for ecological groups used in the models. "h" and "w" mean "herbaceous" and "woody" respectively. MF: mature forest species; PF: peri-forest species; NF: non-forest species; HL: high-light requirements species; IL: intermediate-light requirement species; LL: low-light requirement species; and the meaning of expression is similar for HT, IT and LT for temperature-based ecological groups.

Variable	Mean	Standard deviation	Minimum	Maximum
h.MF	8.895	4.660	0	22
h.PF	5.973	3.619	0	19
h.NF	13.90	10.29	0	55
w.MF	6.158	2.243	1	16
w.PF	4.687	2.474	0	14
h.HL	8.716	7.015	0	40
h.IL	14.86	7.645	0	39
h.LL	2.915	1.418	0	8
w.HL	8.514	3.256	1	20
w.IL	1.684	0.884	0	6
h.HT	1.663	0.958	0	6
h.IT	17.69	9.032	0	50
h.LT	6.987	5.177	0	30
w.HT	2.015	0.933	0	6
w.IT	7.002	3.317	0	17
w.LT	1.521	0.682	0	4

Table SM.3. Number of times – over the 16 ecological groups – the best of the two tree species abundance and dominance models and the tree species richness model and the diameter model is ranked first, second, third or fourth in terms of DIC comparison for the models in interaction with region. The last line gives the mean DIC difference between the best model in the category and the best model in total. Ab.SP stands for both C.sp and G.sp, and Dom stands for both Dom.C and Dom.G..

Rank	Ab.SP	G.D	Dom	RS
First	6	5	2	3
Second	4	2	8	2
Third	2	4	6	4
Fourth	4	5	0	7
Mean DIC difference	7.634	12.51	8.523	17.21

Table SM.4 Number of times – over the 16 ecological groups – the best of the two tree species abundance and dominance models and the tree species richness model and the diameter model is ranked first, second, third or fourth in terms of DIC comparison for the models in interaction with aspect. The last line gives the mean DIC difference between the best model in the category and the best model in total. Ab.SP stands for both C.sp and G.sp, and Dom stands for both Dom.C and Dom.G.

Rank	Ab.SP	G.D	Dom	RS
First	8	4	1	3
Second	2	3	10	1
Third	4	5	5	2
Fourth	2	4	0	10
Mean DIC difference	8.887	8.334	12.33	20.48

Table SM.5. Number of times – over the 16 ecological groups – the best of the two tree species abundance and dominance models and the tree species richness model and the diameter model is ranked first, second, third or fourth in terms of DIC comparison for the models in interaction with elevation. The last line gives the mean DIC difference between the best model in the category and the best model in total. Ab.SP stands for both C.sp and G.sp, and Dom stands for both Dom.C and Dom.G.

Rank	Ab.SP	G.D	Dom	RS
First	3	6	5	2
Second	3	1	9	3
Third	8	4	2	2
Fourth	2	5	0	9
Mean DIC difference	12.78	12.75	7.417	20.7

Table SM.6. Number of times – over the 16 ecological groups – the best of the two tree species abundance and dominance models and the tree species richness model and the diameter model is ranked first, second, third or fourth in terms of DIC comparison for the models in interaction with Reaction. The last line gives the mean DIC difference between the best model in the category and the best model in total. Ab.SP stands for both C.sp and G.sp, and Dom stands for both Dom.C and Dom.G.

Rank	Ab.SP	G.D	Dom	RS
First	9	6	1	0
Second	2	0	12	2
Third	3	7	3	3
Fourth	2	3	0	11
Mean DIC difference	7.06	11.99	11.28	24.98

Table SM.7. DIC difference between the selected simple models and the null model, for the species richness of each successional group. For each ecological group, the best model in terms of DIC is printed in bold.

Model name	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	-20.1	-5.28	-23.5	-1.87	0.193
C.sp	-32.3	-4.78	-42.4	-21.8	2.19
Dom.C	-33.1	-9.88	-20.4	-22.4	0.221
Dom.G	-28	-9.61	-19.1	-6.08	-17.7
G.D	-45.6	-46.5	-22.3	4.32	-16.4
G.sp	-19.1	-7.17	-45.1	-12.4	-18.6
G	-4.07	-9.16	-18.8	2.52	-15.1
RS	-17.7	-0.075	-8.34	-27.6	-0.895

MF, PF and NF respectively mean mature forest, peri-forest and non-forest species

Table SM.8. DIC difference between the best dendrometric model in Table 1 (one per ecological group) in interaction with each ecological gradient (one per line) models and the null model, for the species richness of each successional group. For each ecological group, the best model in terms of DIC is printed in bold.

Interacting variable	Herbaceous			Woody	
	MF - G.D	PF - G.D	NF - G.sp	MF - RS	PF - G.sp
ETP	-39.6	-38.6	-49.7	-30.6	-16.3
Aspect	-46.5	-48.9	-53.1	-30.3	-15.1
Region	-59.7	-50.2	-71.6	-41.2	-16.2
ppt	-41.8	-43	-46.2	-33	-16.1
SWC	-41.8	-41	-48.8	-30.2	-18.3
Tmin	-45.5	-40.2	-43.1	-35.1	-18.1
Elevation	-51.7	-43.5	-64.4	-35.8	-17.6
Reaction	-54.9	-45.4	-45.4	-34.5	-20.0

MF, PF and NF respectively mean mature forest, peri-forest and non-forest species

Table SM.9 Sampled posterior p-values calculated on the best model of each ecological group (in row). P-values were calculated on different aspects of normalized residuals (as described in Gosselin, 2011b): their skewness, their kurtosis – to diagnose the probability distribution used –, their correlation with the estimated mean – to diagnose general linearity problems and the link function – and with the covariates incorporated in the models (precipitation, solar radiation, reaction, temperature...). To detect potentially non-monotonous correlations between variables, we used the Hoeffding's D statistic provided in the Hmisc R package (Harrell, 2001). Due to the relatively high number of p-values, we only highlighted p-values below 0.01 – only the values close to zero indicate a departure from the model's assumptions. "h" and "w" mean "herbaceous" and "woody" respectively. MF: mature forest species; PF: peri-forest species; NF: non-forest species; HL: high-light requirements species; IL: intermediate-light requirement species; LL: low-light requirement species; and the meaning of expression is similar for HT, IT and LT for temperature-based ecological groups.

	Skewness	Kurtosis	Link function	Link with slope/aspect	Link with temperature	Link with precipitation	Link with reaction	Link with radiation	Link with topography
h.MF	0.4280	0.0095	0.0065	0.4814	0.4890	0.2023	0.0052	0.2848	0.9053
h.PF	0.0232	0.3680	0.0019	0.8238	0.1691	0.0344	0.0516	0.1993	0.9070
h.NF	0.0290	0.1380	0.8762	0.0107	0.0536	0.0001	0.0511	0.1880	0.3396
w.MF	0.7094	0.3253	0.0026	0.6578	0.0182	0.0056	0.0177	0.3691	0.8456
w.PF	0.3618	0.5104	0.2414	0.0509	0.1121	0.1051	0.0108	0.8601	0.5137
h.HL	0.5957	0.0463	0.9096	0.1709	0.1533	0.3387	0.7241	0.3109	0.2780
h.IL	0.6531	0.3342	0.0837	0.7834	0.1603	0.1627	0.1148	0.1321	0.2621
h.LL	0.0659	0.0015	0.3406	0.5329	0.7878	0.0247	0.1713	0.0085	0.9769
w.HL	0.7752	0.0119	0.0523	0.1176	0.5838	0.1696	0.9215	0.0231	0.5823
w.IL	0.0256	0.1930	0.0330	0.2863	0.1210	0.3985	0.6146	0.0560	0.2302
h.HT	0.0018	0.0135	0.2606	0.9840	0.6739	0.4174	0.1985	0.2507	0.0651
h.IT	0.0306	0.1816	0.0258	0.1041	0.0484	0.0266	0.0640	0.1440	0.7116
h.LT	0.0398	0.2836	0.3527	0.0572	0.2784	0.1489	0.0280	0.1042	0.2894
w.HT	0.0168	0.1197	0.0003	0.1301	0.1452	0.0004	0.0031	0.1438	0.1568
w.IT	0.0229	0.0906	0.0361	0.4920	0.0003	0.0221	0.4053	0.0028	0.7302
w.LT	0.0099	0.0457	0.0559	0.5483	0.2962	0.0293	0.1026	0.2657	0.9845

Table SM.10. List of the cases where each dendrometric variable in the models in **Erreur ! Source du renvoi introuvable.** had a non-negligible effect on the species richness of an ecological group in general or in a given environmental context. We here distinguish negative and positive non negligible cases. (A) is for cover data variables, (B) for basal area variables and (C) for the other variables (tree species richness and tree dominance). The lines in bold indicate the ecological groups and ecological contexts that were still significantly negative non-negligible or positive non-negligible after the multi-comparison correction proposed by Rice (1989), at the level of each dendrometric parameter.

A

Variable in the model	Negative non-negligible effects	Positive non-negligible effects
C	h.HL at slope=0.5 & E/W aspect h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.HL at Reaction=5 h.NF at Reaction=4.5 h.HL at Reaction=4.5 h.LT at Reaction=4.5 h.HL at Elevation=770m	h.LL at slope=0.5 & S aspect
C.fir	h.NF at Reaction=4.5 h.HL at Reaction=4.5 h.HL at Elevation=770m	h.LL at slope=0.5 & S aspect
C.spruce	h.NF h.HL h.HL at slope=0.5 & E/W aspect h.PF at slope=0.5 & N aspect h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.HT at slope=0.5 & N aspect h.LT at slope=0.5 & N aspect h.NF at Reaction=5 h.HL at Reaction=5 h.HL at Reaction=5.5 h.NF at Reaction=4.5 h.HL at Reaction=4.5 h.LT at Reaction=4.5 h.HL at Elevation=1120m h.HL at Elevation=1460m h.NF at Elevation=770m h.HL at Elevation=770m	h.LL at slope=0.5 & S aspect
C.othersp		

B		
Variable in the model	Negative non-negligible effects	Positive non-negligible effects
G.BT	h.HL at Elevation=1120m h.HL at Elevation=770m	
G.VBT		
G.MT	h.PF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.HT at slope=0.5 & N aspect h.NF at Elevation=770m h.HL at Elevation=770m	
G.ST	h.PF h.PF at slope=0.5 & E/W aspect h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect w.IL at slope=0.5 & N aspect h.LT at slope=0.5 & N aspect h.PF at Reaction=5 h.PF at Elevation=1120m h.NF at Elevation=770m	
G.fir	h.HL at Elevation=770m w.LT at Elevation=770m	
G.spruce	h.HL h.HL at slope=0.5 & E/W aspect h.PF at slope=0.5 & N aspect h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.LT at slope=0.5 & N aspect h.NF at Reaction=5 h.HL at Reaction=5 h.HL at Reaction=5.5 h.NF at Reaction=4.5 h.NF at Elevation=1120m h.HL at Elevation=1120m h.HL at Elevation=1460m h.NF at Elevation=770m h.HL at Elevation=770m w.LT at Elevation=770m	h.LL at slope=0.5 & S aspect
G	h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.HL at Elevation=1120m h.NF at Elevation=770m h.HL at Elevation=770m	

C

Variable in the model	Negative non-negligible effects	Positive non-negligible effects
rs	h.HL h.HL at slope=0.5 & E/W aspect h.NF at slope=0.5 & N aspect h.HL at slope=0.5 & N aspect h.HL at Reaction=5 h.HL at Reaction=4.5 h.HL at Elevation=1120m h.NF at Elevation=770m h.HL at Elevation=770m h.LT at Elevation=770m	w.LT h.MF on flat terrain w.MF at slope=0.5 & E/W aspect w.LT at slope=0.5 & N aspect h.MF at Reaction=5.5 w.MF at Reaction=4.5 w.LT at Reaction=4.5 w.LT at Elevation=1460m h.MF at Elevation=770m w.MF at Elevation=770m
<hr/>		
Dominance.C		
Dominance.G	w.LT w.LT on flat terrain w.LT at Reaction=5 w.LT at Elevation=1120m h.MF at Elevation=1460m w.LT at Elevation=770m	

h. and w. respectively stand for herbaceous and woody species; MF, NF and PF for mature forest, non-forest and peri-forest species; HL, IL and LL for high-light, intermediate-light and low-light species; HT and LT for high-temperature and low-temperature species. We here considered the simple models as well as the Aspect, Altitude and Reaction models defined in Table 2. We recall that a positive non-negligible effect means that there is a probability of 0.95 that the effect of adding a “non-negligible” variation of a given dendrometric parameter results in at least an $\exp(0.1)$ multiplication of the mean of species richness. We chose the following “non-negligible” increases for the different parameters: $10 \text{ m}^2.\text{ha}^{-1}$ for most basal area parameters ($5 \text{ m}^2.\text{ha}^{-1}$ for G.othersp and G.ST, respectively basal area of species other than fir or spruce and basal area of stems less than 17.5 cm in diameter at breast height - dbh), 15% for all tree crown cover parameters, except 7.5% for C.othersp, 1.5 genera for tree species richness and 0.2 for tree species dominance.

Table SM.11 Analysis of the natural logarithm of the multiplicative effect for all simple models without interaction of the dendrometric indicator with ecological gradients, for the species richness of succession groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	0.0707 [0.0424; 0.0997] 00**	-0.0367 [-0.0733; 0.000919] 00	-0.0836 [-0.118; -0.0511] 0**	0.0172 [-0.00337; 0.0376] 00	-0.0152 [-0.0427; 0.0142] 00
C.fir	0.0397 [0.0065; 0.071] 00*	-0.0518 [-0.0938; -0.00951] 00*	-0.052 [-0.0904; -0.0165] 00**	0.00738 [-0.0164; 0.032] 00	-0.0062 [-0.0386; 0.0277] 00
C.spruce	0.0871 [0.0562; 0.118] 0**	-0.0519 [-0.0942; -0.0084] 00*	-0.138 [-0.178; -0.0972] -**	-0.0102 [-0.0336; 0.0142] 00	-0.0273 [-0.0598; 0.00913] 00
C.othersp	0.0385 [0.0165; 0.0626] 00**	0.00226 [-0.0329; 0.0368] 00	-0.0348 [-0.0639; -0.00448] 00*	0.0406 [0.0242; 0.0578] 00**	-0.00295 [-0.0284; 0.0213] 00
DominanceC	-0.074 [-0.114; -0.0352] 0**	-0.0712 [-0.126; -0.0156] 0*	-0.0126 [-0.0657; 0.0375] 0	-0.0721 [-0.103; -0.0407] 00**	-0.0138 [-0.0568; 0.0306] 00
G.BT	0.0785 [0.043; 0.113] 0**	-0.0212 [-0.0688; 0.0281] 00	-0.0823 [-0.133; -0.0299] 0**	0.000783 [-0.0273; 0.0304] 00	-0.0876 [-0.131; -0.0455] 0**
G.VBT	0.0256 [-0.000641; 0.0516] 00	0.018 [-0.0218; 0.0531] 00	-0.0106 [-0.0528; 0.0314] 00	-0.00213 [-0.026; 0.0226] 00	-0.0173 [-0.0528; 0.0179] 00
G.MT	0.000989 [-0.0319; 0.0337] 00	-0.0904 [-0.133; -0.047] 0**	-0.0645 [-0.108; -0.0204] 0**	0.00141 [-0.0234; 0.0253] 00	-0.03 [-0.0638; 0.00499] 00
G.ST	-0.0832 [-0.13; -0.0402] 0**	-0.166 [-0.236; -0.103] -**	-0.107 [-0.167; -0.0501] 0**	-0.0145 [-0.0474; 0.0164] 00	-0.0535 [-0.0986; -0.00988] 00*
G	0.0341 [0.00889; 0.0574] 00**	-0.0522 [-0.0861; -0.0206] 00*	-0.0713 [-0.105; -0.041] 00**	-0.000918 [-0.0198; 0.0176] 00	-0.0535 [-0.0807; -0.0266] 00**
G.fir	0.00836 [-0.0192; 0.0371] 00	-0.0535 [-0.0898; -0.0177] 00*	-0.0373 [-0.0686; -0.00471] 00*	-0.00704 [-0.0268; 0.0124] 00	-0.0501 [-0.081; -0.0217] 00**
G.spruce	0.0649 [0.0335; 0.0974] 00**	-0.0469 [-0.0915; -0.00178] 00*	-0.136 [-0.182; -0.0909] 0**	-0.0262 [-0.0499; -0.00204] 00*	-0.0831 [-0.119; -0.0471] 0**
G.othersp	0.0505 [-0.0358; 0.138] 0	-0.0318 [-0.156; 0.0869] 0	-0.161 [-0.284; -0.0398] **	0.118 [0.0552; 0.186] 0**	0.0405 [-0.058; 0.132] 0
DominanceG	-0.125 [-0.176; -0.0763] 0**	-0.0496 [-0.12; 0.0249] 0	0.0196 [-0.0468; 0.0879] 00	-0.0643 [-0.105; -0.0248] 00**	-0.047 [-0.0991; 0.0128] 00
RS	0.145 [0.0788; 0.208] 0**	0.00905 [-0.0739; 0.0995] 00	-0.137 [-0.222; -0.0562] **	0.133 [0.0874; 0.179] 0**	0.0206 [-0.0448; 0.0901] 00

Table SM.12 Analysis of the natural logarithm of the multiplicative effect for all simple models without interaction of the dendrometric indicator with ecological gradients, for the species richness of light preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
C	-0.129 [-0.164; -0.0933] 0**	0.0123 [-0.0155; 0.0415] 00	0.0796 [0.0406; 0.117] 0**	0.00897 [-0.0116; 0.0312] 00	-0.0349 [-0.076; 0.0102] 00
C.fir	-0.0951 [-0.134; -0.0561] 0**	0.0035 [-0.0281; 0.0341] 00	0.0623 [0.0216; 0.106] 00**	0.0113 [-0.0132; 0.0365] 00	-0.0443 [-0.0948; 0.00761] 00
C.spruce	-0.186 [-0.228; -0.142] -**	0.00676 [-0.0253; 0.0394] 00	0.101 [0.0596; 0.142] 0**	-0.0116 [-0.0371; 0.0125] 00	-0.063 [-0.112; -0.0105] 0*
C.othersp	-0.0519 [-0.0884; -0.018] 00**	0.0168 [-0.00748; 0.0413] 00	0.0301 [-0.0016; 0.0614] 00	0.0221 [0.00382; 0.04] 00*	0.0183 [-0.0195; 0.0551] 00
DominanceC	0.00122 [-0.0512; 0.0565] 00	-0.0681 [-0.108; -0.0281] 0**	-0.0514 [-0.102; 0.00123] 00	-0.045 [-0.0731; -0.0149] 00**	-0.0913 [-0.156; -0.0267] 00
G.BT	-0.122 [-0.178; -0.0642] 0**	0.024 [-0.0118; 0.0602] 00	0.0742 [0.0262; 0.121] 0**	-0.0262 [-0.0556; 0.00177] 00	-0.0694 [-0.132; -0.00581] 0*
G.VBT	-0.00937 [-0.0576; 0.0328] 00	0.022 [-0.00571; 0.0493] 00	0.0295 [-0.00755; 0.0633] 00	-0.00679 [-0.0311; 0.017] 00	-0.0214 [-0.0696; 0.0257] 00
G.MT	-0.113 [-0.161; -0.0647] 0**	-0.0311 [-0.0647; 0.00224] 00	0.00906 [-0.0338; 0.0495] 00	-0.00349 [-0.0273; 0.0204] 00	-0.0643 [-0.114; -0.0158] 0*
G.ST	-0.103 [-0.169; -0.042] 0**	-0.112 [-0.16; -0.0685] 0**	-0.0847 [-0.148; -0.0212] 0**	-0.0247 [-0.0545; 0.00628] 00	-0.0698 [-0.138; -6.44e-05] 0
G	-0.107 [-0.141; -0.0748] 0**	-0.00526 [-0.029; 0.0204] 00	0.0377 [0.0039; 0.0696] 00*	-0.0161 [-0.0345; 0.00338] 00	-0.0645 [-0.102; -0.0263] 00**
G.fir	-0.0689 [-0.105; -0.0337] 00**	-0.00837 [-0.0348; 0.02] 00	0.0222 [-0.0147; 0.0588] 00	-0.0141 [-0.0349; 0.00694] 00	-0.0834 [-0.127; -0.0402] 0**
G.spruce	-0.182 [-0.231; -0.133] -**	0.00104 [-0.0328; 0.035] 00	0.0756 [0.0351; 0.119] 0**	-0.041 [-0.066; -0.0169] 00**	-0.101 [-0.149; -0.0538] 0**
G.othersp	-0.165 [-0.305; -0.0319] *	0.000357 [-0.0892; 0.0918] 00	-0.0357 [-0.143; 0.0786] 0	0.0672 [0.00311; 0.132] 0*	0.189 [0.0645; 0.317] **
DominanceG	0.0535 [-0.0173; 0.127] 0	-0.0892 [-0.138; -0.0396] 0**	-0.102 [-0.167; -0.0352] 0**	-0.0548 [-0.0947; -0.0167] 00**	-0.0525 [-0.138; 0.0344] 0
RS	-0.208 [-0.307; -0.112] -**	0.0738 [0.0109; 0.137] 0*	0.0842 [-0.0011; 0.165] 0	0.0934 [0.043; 0.144] 0**	0.0748 [-0.037; 0.171] 0

Table SM.13 Analysis of the natural logarithm of the multiplicative effect for all simple models without interaction of the dendrometric indicator with ecological gradients, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
C	-0.0737 [-0.123; -0.0219] 0**	-0.0137 [-0.0408; 0.0161] 00	-0.0671 [-0.102; -0.0309] 00**	-0.00506 [-0.0368; 0.0254] 00	0.00696 [-0.0162; 0.03] 00	-0.038 [-0.0987; 0.0308] 00
C.fir	-0.0551 [-0.11; 0.000285] 0	-0.0179 [-0.0489; 0.0137] 00	-0.0449 [-0.0847; -0.00492] 00*	0.00861 [-0.0324; 0.0469] 00	0.00502 [-0.0229; 0.0342] 00	-0.0706 [-0.141; -0.00327] 0*
C.spruce	-0.104 [-0.164; -0.0475] 0**	-0.0263 [-0.0583; 0.00735] 00	-0.0889 [-0.129; -0.0465] 0**	-0.0107 [-0.0494; 0.0279] 00	-0.0218 [-0.0483; 0.00546] 00	-0.0197 [-0.0913; 0.0497] 00
C.othersp	-0.0261 [-0.0746; 0.0199] 00	0.00747 [-0.0168; 0.0305] 00	-0.0401 [-0.0728; -0.00641] 00*	-0.00877 [-0.0381; 0.0181] 00	0.0292 [0.0102; 0.0499] 00**	-0.00847 [-0.0656; 0.047] 00
DominanceC	-0.0331 [-0.108; 0.0417] 00	-0.0529 [-0.0911; -0.0115] 00*	-0.0048 [-0.0555; 0.0461] 00	-0.037 [-0.0813; 0.00924] 00	-0.0425 [-0.0766; -0.00989] 00**	-0.116 [-0.201; -0.0285] 0*
G.BT	-0.0591 [-0.129; 0.00817] 0	-0.00774 [-0.046; 0.0275] 00	-0.0435 [-0.0957; 0.00455] 00	0.00294 [-0.0358; 0.0425] 00	-0.0425 [-0.0774; -0.00861] 00*	0.00765 [-0.0745; 0.0894] 00
G.VBT	0.00417 [-0.0473; 0.0557] 00	0.0146 [-0.0122; 0.041] 00	0.0113 [-0.0291; 0.0516] 00	-0.0102 [-0.0486; 0.028] 00	-0.0107 [-0.0414; 0.018] 00	-0.0236 [-0.0943; 0.043] 00
G.MT	-0.104 [-0.164; -0.0433] 0**	-0.0464 [-0.0785; -0.0148] 00**	-0.063 [-0.107; -0.016] 0**	-0.00778 [-0.046; 0.03] 00	-0.0104 [-0.0386; 0.0162] 00	-0.057 [-0.13; 0.0178] 0
G.ST	-0.157 [-0.26; -0.0623] **	-0.11 [-0.156; -0.0661] 0**	-0.094 [-0.16; -0.0326] 0**	-0.0231 [-0.0684; 0.0235] 00	-0.0214 [-0.0562; 0.0146] 00	-0.169 [-0.287; -0.059] **
G	-0.0738 [-0.119; -0.0251] 0**	-0.027 [-0.0504; -0.00366] 00*	-0.0474 [-0.0805; -0.0155] 00**	-0.00735 [-0.036; 0.0226] 00	-0.0246 [-0.0473; -0.00339] 00*	-0.0424 [-0.0946; 0.0103] 00
G.fir	-0.0586 [-0.105; -0.0109] 00*	-0.025 [-0.0513; 0.00142] 00	-0.0276 [-0.0616; 0.00927] 00	-0.000757 [-0.0321; 0.0309] 00	-0.0248 [-0.0479; -0.00102] 00*	-0.08 [-0.139; -0.02] 0*
G.spruce	-0.114 [-0.18; -0.0443] 0**	-0.03 [-0.0629; 0.00377] 00	-0.0798 [-0.129; -0.0301] 0**	-0.01 [-0.0453; 0.0235] 00	-0.0601 [-0.0879; -0.0325] 00**	-0.041 [-0.112; 0.0344] 00
G.othersp	-0.0441 [-0.214; 0.13] 0	-0.0256 [-0.116; 0.058] 0	-0.0988 [-0.237; 0.033] 0	-0.0108 [-0.108; 0.089] 0	0.103 [0.029; 0.177] 0*	0.221 [0.0326; 0.39] *
DominanceG	0.00774 [-0.0897; 0.112] 0	-0.052 [-0.102; -0.00114] 00*	-0.0309 [-0.104; 0.0388] 00	-0.0637 [-0.117; -0.0139] 0*	-0.0294 [-0.0734; 0.0138] 00	-0.204 [-0.311; -0.0991] -**
RS	-0.113 [-0.242; 0.00681] 0	0.0073 [-0.0612; 0.0707] 00	-0.0578 [-0.144; 0.0332] 0	0.0526 [-0.0167; 0.12] 0	0.0771 [0.0238; 0.131] 0**	0.213 [0.0773; 0.348] +**

Table SM.14 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with aspect, for the species richness of succession groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, interaction estimated for flat terrain, and, for slope=50%, East- and West-facing slopes grouped together, South-facing slopes and North-facing slopes. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	0.076 [0.0448; 0.107] 0 **	-0.0287 [-0.0679; 0.0129] 00	-0.0769 [-0.115; -0.0387] 0 **	0.00558 [-0.0174; 0.0298] 0	0.00558 [-0.0174; 0.0298] 00
	0.0714 [0.0382; 0.102] 00 **	-0.0352 [-0.0723; 0.00528] 00	-0.0765 [-0.113; -0.0407] 0 **	0.0322 [0.0089; 0.0551] 00 *	0.0322 [0.0089; 0.0551] 00 *
	0.109 [0.0428; 0.166] 0 **	0.0412 [-0.037; 0.124] 0	0.000799 [-0.0629; 0.0702] 00	0.058 [0.013; 0.104] 00 *	0.058 [0.013; 0.104] 00 *
	0.0339 [-0.00999; 0.0818] 00	-0.112 [-0.173; -0.0495] 0 **	-0.154 [-0.205; -0.102] 0 - **	0.00651 [-0.0317; 0.0416] 0	0.00651 [-0.0317; 0.0416] 00
C.fir	0.0456 [0.00583; 0.0794] 00 *	-0.0433 [-0.0939; 0.00482] 00	-0.0606 [-0.106; -0.0145] 00 *	-0.0069 [-0.0335; 0.0221] 00	0.0165 [-0.0258; 0.0608] 00
	0.0385 [-0.00312; 0.0794] 00	-0.0542 [-0.105; -0.0011] 00 *	-0.0365 [-0.0773; 0.00578] 00	0.0261 [-0.00306; 0.0553] 00	-0.0333 [-0.0702; 0.00135] 00
	0.0731 [0.00668; 0.147] 0 *	0.0166 [-0.0831; 0.109] 0	0.0262 [-0.044; 0.101] 00	0.06 [0.00476; 0.113] 0 *	0.0176 [-0.0552; 0.0841] 00
	0.0039 [-0.0631; 0.065] 00	-0.125 [-0.21; -0.0397] 0 **	-0.0993 [-0.17; -0.0318] 0 **	-0.00786 [-0.0585; 0.0483] 00	-0.0841 [-0.149; -0.0231] 0 **
C.spruce	0.102 [0.0618; 0.139] 0 **	-0.031 [-0.088; 0.0223] 00	-0.111 [-0.165; -0.0541] 0 **	-0.0207 [-0.0503; 0.00794] 00	-0.0398 [-0.0858; 0.00774] 00
	0.092 [0.0472; 0.136] 0 **	-0.0351 [-0.092; 0.0196] 00	-0.127 [-0.179; -0.0794] 0 **	0.00466 [-0.0254; 0.0366] 00	-0.00827 [-0.0469; 0.035] 00
	0.165 [0.0782; 0.251] **	0.121 [0.006; 0.223] *	-0.00102 [-0.111; 0.0904] 0	0.0383 [-0.0295; 0.104] 00	0.0804 [-0.00479; 0.167] 0
	0.0187 [-0.039; 0.0742] 00	-0.191 [-0.261; -0.119] - **	-0.254 [-0.324; -0.185] - **	-0.029 [-0.0727; 0.0139] 00	-0.0969 [-0.149; -0.0419] 0 **
C.othersp	0.0301 [-0.00888; 0.0684] 00	-0.0164 [-0.0709; 0.0353] 00	-0.0302 [-0.0833; 0.0255] 00	0.0371 [0.00895; 0.0647] 00 *	-0.0125 [-0.054; 0.0276] 00
	0.033 [-0.0103; 0.0723] 00	0.0012 [-0.0476; 0.0509] 00	-0.0485 [-0.0954; -0.00352] 00 *	0.0435 [0.018; 0.0681] 00 **	0.0149 [-0.0274; 0.053] 00
	-0.00421 [-0.105; 0.0796] 00	-0.0341 [-0.145; 0.082] 0	-0.0768 [-0.175; 0.0221] 0	0.0468 [-0.00999; 0.101] 00	0.0314 [-0.0529; 0.113] 0
	0.0703 [0.0225; 0.122] 0 **	0.0365 [-0.0376; 0.11] 00	-0.0202 [-0.088; 0.044] 00	0.0402 [0.00267; 0.0761] 00 *	-0.00164 [-0.0579; 0.0501] 00
DominanceC	-0.0808 [-0.137; -0.0305] 0 **	-0.0576 [-0.121; 0.0133] 0	-0.0022 [-0.0687; 0.0623] 00	-0.0692 [-0.11; -0.0341] 00 **	0.0141 [-0.0328; 0.0702] 00
	-0.0678 [-0.124; -0.0142] 0 *	-0.0887 [-0.153; -0.0254] 0 **	-0.0162 [-0.0816; 0.0461] 00	-0.071 [-0.105; -0.0337] 0 **	-0.0504 [-0.105; 0.00164] 00
	-0.0607 [-0.146; 0.027] 0	-0.0926 [-0.202; 0.0181] 0	0.023 [-0.0735; 0.14] 0	-0.0655 [-0.129; -0.000615] 0 *	-0.0541 [-0.143; 0.0324] 0
	-0.0749 [-0.146; -0.00399] 0 *	-0.0849 [-0.185; 0.0104] 0	-0.0553 [-0.15; 0.0319] 0	-0.0766 [-0.142; -0.0181] 0 **	-0.0467 [-0.127; 0.0343] 0

Table SM.15 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with aspect, for the species richness of succession groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
G.BT	0.111 [0.0562; 0.159] 0 **	-0.0315 [-0.106; 0.0399] 00	-0.114 [-0.186; -0.03] 0 **	0.0285 [-0.0177; 0.074] 00	-0.0867 [-0.152; -0.024] 0 **
	0.0618 [0.013; 0.11] 0 *	0.0146 [-0.0552; 0.0749] 00	-0.0735 [-0.138; -0.00813] 0 *	-0.0139 [-0.0523; 0.0229] 00	-0.0842 [-0.142; -0.0233] 0 **
	0.0563 [-0.0401; 0.156] 0	0.0786 [-0.0472; 0.205] 0	-0.0348 [-0.166; 0.0853] 0	0.0112 [-0.0677; 0.0896] 00	-0.06 [-0.171; 0.0487] 0
	0.0673 [-0.00303; 0.137] 0	-0.0494 [-0.155; 0.0397] 0	-0.112 [-0.218; -0.00904] *	-0.0389 [-0.0922; 0.0202] 00	-0.108 [-0.201; -0.0249] 0 *
G.VBT	0.0162 [-0.0302; 0.0544] 00	0.0253 [-0.0304; 0.0777] 00	-0.00479 [-0.0639; 0.0492] 00	0.00418 [-0.0295; 0.0358] 00	0.0112 [-0.0402; 0.0616] 00
	0.0478 [-0.019; 0.113] 00	0.00894 [-0.0785; 0.0906] 00	0.00554 [-0.0736; 0.0806] 00	-0.0215 [-0.0738; 0.0333] 00	-0.0741 [-0.154; 0.00754] 0
	0.0909 [-0.058; 0.227]	0.0358 [-0.14; 0.19] 0	0.109 [-0.0443; 0.242]	-0.0358 [-0.145; 0.0805] 0	-0.112 [-0.271; 0.0401]
	0.00472 [-0.0663; 0.0651] 00	-0.0179 [-0.121; 0.0699] 00	-0.0981 [-0.209; 0.0118] 0	-0.00727 [-0.0616; 0.0436] 00	-0.0368 [-0.123; 0.0489] 0
G.MT	0.0317 [-0.011; 0.0775] 00	-0.0338 [-0.0996; 0.0248] 00	-0.0439 [-0.116; 0.0208] 0	-0.0289 [-0.0703; 0.00859] 00	-0.0479 [-0.0961; 0.00337] 00
	-0.0111 [-0.0558; 0.0358] 00	-0.124 [-0.181; -0.0614] 0 **	-0.0739 [-0.138; -0.0151] 0 *	0.0307 [-0.00176; 0.0651] 00	-0.00503 [-0.0476; 0.0406] 00
	0.0487 [-0.0468; 0.139] 0	-0.0539 [-0.172; 0.0607] 0	0.0127 [-0.108; 0.114] 0	0.0586 [0.00251; 0.12] 0 *	0.00304 [-0.0839; 0.0971] 00
	-0.071 [-0.135; -0.00534] 0 *	-0.194 [-0.303; -0.0919] - **	-0.161 [-0.263; -0.0632] **	0.0028 [-0.0514; 0.0564] 00	-0.0131 [-0.102; 0.0697] 00
G.ST	-0.0811 [-0.167; -0.0148] 0 *	-0.133 [-0.247; -0.0308] **	-0.119 [-0.211; -0.0263] 0 **	-0.0638 [-0.122; -0.0045] 0 *	0.018 [-0.0568; 0.091] 00
	-0.0766 [-0.169; 0.00371] 0	-0.217 [-0.331; -0.103] - **	-0.176 [-0.283; -0.0771] **	0.0463 [-0.00605; 0.103] 00	-0.156 [-0.24; -0.0787] **
	-0.064 [-0.182; 0.0458] 0	-0.136 [-0.276; -0.00578] *	0.000144 [-0.101; 0.0937] 00	-0.015 [-0.0814; 0.0513] 00	-0.0887 [-0.192; 0.00629] 0
	-0.0892 [-0.257; 0.0596]	-0.298 [-0.522; -0.0492] *	-0.352 [-0.573; -0.159] - **	0.108 [1.08e-06; 0.213]	-0.223 [-0.397; -0.0616] **
G	0.0523 [0.0199; 0.0823] 00 **	-0.0288 [-0.0726; 0.0113] 00	-0.0685 [-0.103; -0.0319] 00 **	-0.0134 [-0.0348; 0.00979] 00	-0.04 [-0.0724; -0.0069] 00 *
	0.0299 [0.00227; 0.0567] 00 *	-0.0593 [-0.1; -0.0215] 00 **	-0.0683 [-0.101; -0.0357] 00 **	0.0112 [-0.0103; 0.0311] 00	-0.0644 [-0.0955; -0.0354] 00 **
	0.0615 [0.00241; 0.117] 0 *	-0.00199 [-0.074; 0.0719] 00	0.0146 [-0.0486; 0.0753] 00	0.033 [-0.00843; 0.0721] 00	-0.0589 [-0.117; -0.00326] 0 *
	-0.00166 [-0.0448; 0.044] 00	-0.117 [-0.181; -0.0532] 0 **	-0.151 [-0.204; -0.0965] 0 - **	-0.0107 [-0.0419; 0.0175] 00	-0.07 [-0.115; -0.0208] 0 **
G.fir	0.0251 [-0.0122; 0.0617] 00	-0.0423 [-0.0965; 0.0129] 00	-0.0508 [-0.0939; -0.00644] 00 *	-0.0142 [-0.0422; 0.0122] 00	-0.0155 [-0.057; 0.0268] 00
	0.00282 [-0.0328; 0.0366] 00	-0.0552 [-0.0993; -0.0076] 00 **	-0.0221 [-0.06; 0.0131] 00	0.00419 [-0.021; 0.0301] 00	-0.0719 [-0.112; -0.0294] 0 **
	0.029 [-0.034; 0.0853] 00	-0.0114 [-0.0824; 0.0641] 00	0.0212 [-0.039; 0.0787] 00	0.0272 [-0.0159; 0.0746] 00	-0.078 [-0.142; -0.0175] 0 *
	-0.0233 [-0.0755; 0.0325] 00	-0.0991 [-0.177; -0.0271] 0 **	-0.0654 [-0.127; -0.00536] 0 *	-0.0188 [-0.0607; 0.0241] 00	-0.0659 [-0.138; -0.00435] 0 *
G.spruce	0.0736 [0.0308; 0.112] 0 **	-0.0226 [-0.0852; 0.0406] 00	-0.0996 [-0.16; -0.043] 0 **	-0.026 [-0.0627; 0.00428] 00	-0.0871 [-0.138; -0.0372] 0 **
	0.0891 [0.0392; 0.141] 0 **	-0.0265 [-0.1; 0.0436] 00	-0.125 [-0.192; -0.0596] 0 **	-0.0112 [-0.0492; 0.0302] 00	-0.0682 [-0.122; -0.0136] 0 *
	0.189 [0.0821; 0.297] **	0.13 [-0.0249; 0.269]	0.0153 [-0.137; 0.149] 0	0.0312 [-0.0479; 0.118] 0	-0.0495 [-0.175; 0.0731] 0
	-0.0104 [-0.0767; 0.0505] 00	-0.183 [-0.275; -0.0929] - **	-0.264 [-0.352; -0.171] - **	-0.0537 [-0.101; -0.00855] 00 *	-0.0868 [-0.157; -0.0198] 0 **
G.othersp	0.076 [-0.0715; 0.219]	0.00634 [-0.247; 0.233]	-0.188 [-0.455; 0.0606]	0.0681 [-0.0629; 0.194] 0	0.0821 [-0.101; 0.254]
	0.0507 [-0.0681; 0.166] 0	-0.0589 [-0.218; 0.101] 0	-0.159 [-0.325; -0.0196] *	0.111 [0.0271; 0.195] 0 *	0.0773 [-0.0528; 0.2] 0
	0.011 [-0.239; 0.268]	-0.153 [-0.542; 0.22]	-0.16 [-0.481; 0.155]	0.0499 [-0.14; 0.232]	0.193 [-0.0956; 0.476]
	0.0905 [-0.071; 0.275]	0.0353 [-0.247; 0.309]	-0.157 [-0.412; 0.0844]	0.172 [0.0486; 0.292] **	-0.0388 [-0.224; 0.149]
DominanceG	-0.142 [-0.2; -0.0834] 0 **	-0.0744 [-0.152; 0.00414] 0	0.0301 [-0.05; 0.116] 0	-0.0786 [-0.12; -0.0351] 0 **	-0.037 [-0.0966; 0.0162] 00
	-0.132 [-0.189; -0.0839] 0 **	-0.0514 [-0.128; 0.0257] 0	-0.0069 [-0.0857; 0.0635] 00	-0.05 [-0.0954; -0.00925] 00 *	-0.0568 [-0.115; 5.24e-05] 0
	-0.161 [-0.257; -0.0619] **	-0.103 [-0.234; 0.0376]	-0.0263 [-0.149; 0.104] 0	-0.0606 [-0.142; 0.0153] 0	-0.0748 [-0.179; 0.0304] 0
	-0.102 [-0.182; -0.0247] 0 *	0.000193 [-0.103; 0.105] 0	0.0125 [-0.0813; 0.118] 0	-0.0393 [-0.11; 0.0226] 00	-0.0388 [-0.123; 0.0551] 0

Table SM.16 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with aspect, for the species richness of light preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, interaction estimated for flat terrain, and , for slope=50%, East- and West-facing slopes grouped together, South-facing slopes and North-facing slopes. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
C	-0.112 [-0.149; -0.0733] 0 **	0.0191 [-0.0122; 0.0475] 00	0.0779 [0.0381; 0.115] 0 **	0.00299 [-0.0174; 0.026] 00	-0.0261 [-0.0768; 0.0188] 00
	-0.131 [-0.168; -0.0943] 0 - **	0.0177 [-0.0131; 0.0459] 00	0.0961 [0.0564; 0.136] 0 **	0.0196 [-0.0021; 0.0429] 00	-0.0411 [-0.0884; 0.00874] 00
	-0.0607 [-0.128; 0.0228] 0	0.0766 [0.0173; 0.134] 0 **	0.177 [0.0991; 0.256] + **	0.0526 [0.00918; 0.0944] 00 *	0.00381 [-0.0899; 0.103] 00
	-0.202 [-0.263; -0.142] - **	-0.0413 [-0.0874; 0.00363] 00	0.0152 [-0.0424; 0.0771] 00	-0.0134 [-0.0517; 0.0211] 00	-0.086 [-0.165; -0.00729] 0 *
C.fir	-0.0955 [-0.143; -0.0458] 0 **	-0.000332 [-0.0411; 0.0398] 00	0.0646 [0.0171; 0.112] 0 **	0.00696 [-0.0188; 0.0352] 00	-0.0132 [-0.069; 0.0427] 00
	-0.0931 [-0.14; -0.0535] 0 **	0.00611 [-0.0355; 0.0467] 00	0.0713 [0.0183; 0.123] 0 **	0.0175 [-0.00812; 0.0442] 00	-0.0816 [-0.141; -0.0188] 0 **
	-0.0389 [-0.115; 0.0411] 0	0.0545 [-0.0154; 0.116] 0	0.193 [0.103; 0.287] + **	0.0541 [0.00683; 0.102] 00 *	-0.0162 [-0.125; 0.0946] 0
	-0.147 [-0.223; -0.0718] **	-0.0423 [-0.112; 0.0234] 0	-0.05 [-0.13; 0.0275] 0	-0.0191 [-0.0669; 0.0335] 00	-0.147 [-0.261; -0.029] **
C.spruce	-0.142 [-0.206; -0.0806] 0 **	0.0275 [-0.0165; 0.0719] 00	0.0933 [0.0381; 0.145] 0 **	-0.0282 [-0.0581; 0.000448] 00	-0.0556 [-0.116; 0.00857] 0
	-0.191 [-0.25; -0.134] - **	0.00971 [-0.0348; 0.0528] 00	0.123 [0.0759; 0.174] 0 **	0.00598 [-0.0214; 0.0347] 00	-0.0511 [-0.119; 0.0167] 0
	-0.0591 [-0.173; 0.0602] 0	0.109 [0.0265; 0.187] 0 *	0.242 [0.14; 0.345] + **	0.0586 [0.00257; 0.115] 0 *	0.0605 [-0.0722; 0.202] 0
	-0.322 [-0.394; -0.246] -- **	-0.0893 [-0.148; -0.0293] 0 **	0.00374 [-0.0628; 0.0719] 00	-0.0466 [-0.0886; -0.00494] 00 *	-0.163 [-0.25; -0.0751] **
C.othersp	-0.0478 [-0.1; 0.00271] 00	0.0017 [-0.0394; 0.0421] 00	0.0285 [-0.0203; 0.075] 00	0.0236 [-0.00451; 0.0493] 00	-0.00834 [-0.0658; 0.0413] 00
	-0.0669 [-0.116; -0.0206] 0 **	0.0146 [-0.0245; 0.0545] 00	0.00925 [-0.0394; 0.057] 00	0.0245 [0.00164; 0.0496] 00 *	0.049 [-0.000853; 0.106] 00
	-0.0997 [-0.215; 0.00456] 0	-0.0174 [-0.108; 0.0706] 00	-0.0555 [-0.162; 0.0543] 0	0.0306 [-0.0195; 0.0826] 00	0.0493 [-0.067; 0.174] 0
	-0.034 [-0.108; 0.0355] 00	0.0465 [-0.00462; 0.0998] 00	0.074 [0.00766; 0.139] 0 *	0.0184 [-0.02; 0.0518] 00	0.0487 [-0.0324; 0.124] 0
DominanceC	0.00994 [-0.0524; 0.0785] 00	-0.0694 [-0.123; -0.0212] 0 *	-0.0714 [-0.14; -0.00243] 0 *	-0.0338 [-0.0708; 0.00461] 00	-0.0596 [-0.137; 0.0209] 0
	-0.0109 [-0.0765; 0.0548] 00	-0.0725 [-0.118; -0.0256] 0 **	-0.0298 [-0.0945; 0.0356] 00	-0.05 [-0.0872; -0.0153] 00 **	-0.14 [-0.223; -0.0627] **
	0.0308 [-0.0724; 0.139] 0	-0.0851 [-0.174; -0.000634] 0 *	0.0307 [-0.0815; 0.14] 0	-0.0429 [-0.113; 0.0256] 0	-0.185 [-0.311; -0.0498] **
	-0.0526 [-0.138; 0.0437] 0	-0.06 [-0.134; 0.0175] 0	-0.0903 [-0.178; 0.000456] 0	-0.0571 [-0.113; -0.000862] 0 *	-0.0945 [-0.222; 0.0333]

Table SM.17 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with aspect, for the species richness of light preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
G.BT	-0.125 [-0.217; -0.0387] 0 **	0.028 [-0.0197; 0.0829] 00	0.0889 [0.0176; 0.15] 0 *	-0.00428 [-0.0483; 0.0409] 00	-0.0899 [-0.193; 0.0128] 0
	-0.129 [-0.203; -0.0524] 0 **	0.0327 [-0.0175; 0.0814] 00	0.0657 [0.00361; 0.127] 0 *	-0.0351 [-0.0759; 0.00717] 00	-0.071 [-0.165; 0.0171] 0
	-0.104 [-0.244; 0.0254]	0.0615 [-0.0406; 0.154] 0	0.0907 [-0.0258; 0.209] 0	-0.00213 [-0.0843; 0.0788] 00	-0.092 [-0.266; 0.0743]
	-0.153 [-0.271; -0.0412] **	0.00388 [-0.0639; 0.0703] 00	0.0407 [-0.0452; 0.125] 0	-0.0681 [-0.134; -0.0125] 0 *	-0.0499 [-0.174; 0.0592] 0
G.VBT	-0.00728 [-0.0721; 0.0508] 00	0.0186 [-0.0193; 0.0549] 00	0.0143 [-0.043; 0.0631] 00	0.00335 [-0.0335; 0.0385] 00	0.000658 [-0.0722; 0.0745] 00
	0.00921 [-0.0803; 0.0974] 00	0.0405 [-0.0284; 0.105] 00	0.0546 [-0.03; 0.135] 0	-0.0403 [-0.0966; 0.0162] 00	-0.0728 [-0.204; 0.0434] 0
	0.109 [-0.0625; 0.269]	0.094 [-0.0405; 0.214] 0	0.0706 [-0.103; 0.219] 0	-0.065 [-0.179; 0.0521] 0	-0.0841 [-0.328; 0.145]
	-0.0902 [-0.219; 0.0285] 0	-0.0129 [-0.0907; 0.0601] 00	0.0387 [-0.043; 0.11] 0	-0.0156 [-0.0748; 0.0383] 00	-0.0616 [-0.198; 0.0786] 0
G.MT	-0.0932 [-0.166; -0.0223] 0 *	0.00968 [-0.0424; 0.0548] 00	0.0447 [-0.0196; 0.106] 00	-0.0315 [-0.0706; 0.000951] 00	-0.0555 [-0.125; 0.0225] 0
	-0.12 [-0.195; -0.0518] 0 **	-0.0525 [-0.1; -0.0123] 00 **	-0.00113 [-0.0626; 0.0563] 00	0.0214 [-0.0135; 0.0574] 00	-0.066 [-0.141; 0.0114] 0
	-0.0352 [-0.166; 0.0892] 0	0.00579 [-0.084; 0.098] 00	0.0865 [-0.0295; 0.196] 0	0.0457 [-0.0274; 0.11] 00	-0.1 [-0.249; 0.0439]
	-0.206 [-0.313; -0.086] - **	-0.111 [-0.182; -0.0383] 0 **	-0.0888 [-0.191; 0.00369] 0	-0.00296 [-0.0565; 0.0511] 00	-0.0318 [-0.133; 0.0866] 0
G.ST	-0.105 [-0.215; 0.0116]	-0.115 [-0.191; -0.0409] 0 **	-0.131 [-0.241; -0.0249] **	-0.0356 [-0.0849; 0.0145] 00	-0.0219 [-0.11; 0.0669] 0
	-0.189 [-0.319; -0.0708] **	-0.118 [-0.195; -0.0343] 0 **	-0.0587 [-0.164; 0.0467] 0	-0.00371 [-0.0592; 0.0482] 00	-0.179 [-0.303; -0.0559] **
	-0.000664 [-0.116; 0.094] 0	-0.0467 [-0.147; 0.0394] 0	0.0239 [-0.0944; 0.148] 0	-0.0551 [-0.127; 0.0171] 0	0.0149 [-0.137; 0.158] 0
	-0.378 [-0.622; -0.125] - **	-0.189 [-0.347; -0.00894] *	-0.141 [-0.359; 0.0688]	0.0476 [-0.0586; 0.155] 0	-0.372 [-0.611; -0.119] - **
G	-0.0898 [-0.133; -0.0451] 0 **	0.01 [-0.0176; 0.0376] 00	0.0452 [0.00487; 0.0824] 00 *	-0.0174 [-0.0386; 0.00631] 00	-0.0504 [-0.0977; -0.00373] 00 *
	-0.112 [-0.148; -0.0758] 0 **	-0.00535 [-0.0365; 0.023] 00	0.0445 [0.00727; 0.0822] 00 *	-0.0102 [-0.0313; 0.0105] 00	-0.0789 [-0.121; -0.0365] 0 **
	-0.0341 [-0.105; 0.0304] 00	0.0411 [-0.0141; 0.0931] 00	0.102 [0.0276; 0.168] 0 *	0.0085 [-0.0317; 0.047] 00	-0.0965 [-0.18; -0.0116] 0 *
	-0.19 [-0.25; -0.126] - **	-0.0518 [-0.0956; -0.00725] 00 *	-0.0127 [-0.0678; 0.0403] 00	-0.0289 [-0.0645; 0.00619] 00	-0.0613 [-0.128; 0.0105] 0
G.fir	-0.0759 [-0.123; -0.0293] 0 **	-0.00398 [-0.0434; 0.0308] 00	0.033 [-0.00808; 0.0781] 00	-0.00913 [-0.0353; 0.0153] 00	-0.0545 [-0.112; -0.00369] 0 *
	-0.0565 [-0.0991; -0.0157] 00 **	-0.00288 [-0.0356; 0.0293] 00	0.0297 [-0.0157; 0.0732] 00	-0.0144 [-0.0404; 0.0126] 00	-0.105 [-0.161; -0.0479] 0 **
	-0.0158 [-0.0849; 0.0518] 00	0.0326 [-0.0244; 0.0942] 00	0.0975 [0.0183; 0.169] 0 *	0.0013 [-0.0447; 0.0435] 00	-0.132 [-0.236; -0.037] **
	-0.0971 [-0.163; -0.0304] 0 **	-0.0384 [-0.0915; 0.0114] 00	-0.038 [-0.111; 0.0302] 00	-0.0301 [-0.0734; 0.0132] 00	-0.0786 [-0.17; 0.0131] 0
G.spruce	-0.12 [-0.203; -0.0539] 0 **	0.0179 [-0.0245; 0.06] 00	0.0753 [0.0256; 0.127] 0 *	-0.0452 [-0.0808; -0.0115] 00 *	-0.0845 [-0.151; -0.0179] 0 *
	-0.19 [-0.276; -0.115] - **	0.0181 [-0.0295; 0.0678] 00	0.119 [0.0576; 0.187] 0 **	-0.0228 [-0.0559; 0.0138] 00	-0.126 [-0.21; -0.0482] 0 **
	-0.0461 [-0.223; 0.105] 0	0.133 [0.0262; 0.233] **	0.244 [0.104; 0.398] + **	0.0223 [-0.053; 0.103] 00	-0.162 [-0.342; 0.00745]
	-0.334 [-0.44; -0.241] -- **	-0.0964 [-0.16; -0.0297] 0 **	-0.00615 [-0.0778; 0.0666] 00	-0.0678 [-0.113; -0.021] 0 **	-0.0902 [-0.186; 0.00535] 0
G.othersp	-0.18 [-0.433; 0.118]	0.0481 [-0.133; 0.217] 0	-0.0599 [-0.262; 0.137]	0.0381 [-0.0891; 0.158] 0	0.231 [0.00687; 0.464] *
	-0.183 [-0.379; 0.00482]	-0.00737 [-0.135; 0.108] 0	-0.0692 [-0.231; 0.0939]	0.0794 [-0.000387; 0.157] 0	0.24 [0.0445; 0.42] **
	-0.289 [-0.637; 0.0487]	-0.0308 [-0.31; 0.227]	-0.213 [-0.558; 0.14]	0.0601 [-0.122; 0.226]	0.401 [0.0159; 0.771] *
	-0.0769 [-0.365; 0.198]	0.016 [-0.168; 0.218] 0	0.0742 [-0.146; 0.273]	0.0986 [-0.0206; 0.226]	0.078 [-0.185; 0.356]
DominanceG	0.0767 [-0.00538; 0.163] 0	-0.107 [-0.164; -0.0487] 0 **	-0.132 [-0.216; -0.0577] **	-0.0648 [-0.114; -0.017] 0 **	-0.0484 [-0.132; 0.0489] 0
	0.0244 [-0.0496; 0.109] 00	-0.0988 [-0.15; -0.0356] 0 **	-0.0926 [-0.167; -0.0224] 0 **	-0.0546 [-0.101; -0.0107] 00 *	-0.0764 [-0.168; 0.0116] 0
	0.0122 [-0.114; 0.145] 0	-0.147 [-0.249; -0.0489] *	-0.0887 [-0.224; 0.034] 0	-0.0622 [-0.136; 0.0142] 0	-0.185 [-0.352; -0.0205] *
	0.0366 [-0.0659; 0.146] 0	-0.0506 [-0.122; 0.0248] 0	-0.0965 [-0.191; 0.0131] 0	-0.047 [-0.109; 0.0195] 0	0.0323 [-0.0976; 0.155] 0

Table SM.18 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with aspect, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, interaction estimated for flat terrain, and, for slope=50%, East- and West-facing slopes grouped together, South-facing slopes and North-facing slopes. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
C	-0.0784 [-0.134; -0.0261] 0 **	-0.0025 [-0.0307; 0.0256] 00	-0.065 [-0.104; -0.0244] 00 **	-0.00819 [-0.0421; 0.0272] 00	0.00221 [-0.0262; 0.0308] 00	-0.0619 [-0.123; 0.00195] 0
	-0.063 [-0.12; -0.00604] 0 *	-0.017 [-0.0465; 0.0112] 00	-0.0553 [-0.0908; -0.0146] 00 **	-0.00152 [-0.038; 0.036] 00	0.0182 [-0.00845; 0.0456] 00	-0.0145 [-0.0704; 0.0475] 00
	-0.0128 [-0.12; 0.0815] 0	0.0322 [-0.0177; 0.0879] 00	0.0219 [-0.0498; 0.0948] 00	0.0138 [-0.0629; 0.0823] 00	0.0637 [0.0135; 0.112] 0 **	-0.00477 [-0.115; 0.109] 0
	-0.113 [-0.2; -0.0316] 0 **	-0.0662 [-0.107; -0.0215] 0 **	-0.133 [-0.189; -0.0755] 0 **	-0.0168 [-0.0668; 0.0351] 00	-0.0273 [-0.0697; 0.00934] 00	-0.0243 [-0.124; 0.0771] 0
C.fir	-0.0602 [-0.131; 0.00823] 0	-0.00764 [-0.0414; 0.0227] 00	-0.0661 [-0.112; -0.022] 0 **	0.00995 [-0.0337; 0.0583] 00	0.00758 [-0.0262; 0.0434] 00	-0.0754 [-0.16; 0.0115] 0
	-0.0511 [-0.119; 0.0134] 0	-0.0236 [-0.0595; 0.0114] 00	-0.0254 [-0.0687; 0.0215] 00	0.0152 [-0.0309; 0.0616] 00	0.00765 [-0.025; 0.0413] 00	-0.0601 [-0.146; 0.0208] 0
	0.0366 [-0.0766; 0.16] 0	0.0256 [-0.0412; 0.0909] 00	0.0277 [-0.0415; 0.107] 00	0.0325 [-0.0488; 0.113] 0	0.0522 [-0.00803; 0.117] 0	-0.0239 [-0.16; 0.122] 0
	-0.139 [-0.255; -0.0298] **	-0.0727 [-0.132; -0.0105] 0 *	-0.0785 [-0.151; -0.000761] 0	-0.00197 [-0.085; 0.0712] 00	-0.0369 [-0.0911; 0.016] 00	-0.0964 [-0.249; 0.0431]
C.spruce	-0.0705 [-0.154; 0.00629] 0	-0.00167 [-0.0418; 0.0347] 00	-0.0678 [-0.124; -0.00928] 0 *	-0.0308 [-0.0765; 0.0189] 00	-0.0355 [-0.0718; 0.00178] 00	-0.0203 [-0.112; 0.0806] 0
	-0.109 [-0.187; -0.0295] 0 **	-0.0243 [-0.0627; 0.0146] 00	-0.0744 [-0.124; -0.0228] 0 **	-0.00216 [-0.0485; 0.0424] 00	0.00423 [-0.0318; 0.0399] 00	-0.0301 [-0.117; 0.0583] 0
	-0.0064 [-0.18; 0.157] 0	0.0738 [-0.00384; 0.154] 0	0.0624 [-0.0429; 0.162] 0	-0.00955 [-0.0974; 0.082] 00	0.0913 [0.0219; 0.162] 0 **	-0.0529 [-0.202; 0.126] 0
	-0.212 [-0.319; -0.101] - **	-0.122 [-0.178; -0.0702] 0 **	-0.211 [-0.284; -0.138] - **	0.00523 [-0.0591; 0.0637] 00	-0.0828 [-0.125; -0.0364] 0 **	-0.0074 [-0.127; 0.118] 0
C.othersp	-0.0871 [-0.169; -0.00334] 0 *	-0.00122 [-0.0396; 0.0373] 00	-0.0429 [-0.0997; 0.011] 00	0.00781 [-0.0348; 0.0512] 00	0.0239 [-0.0069; 0.0536] 00	-0.0793 [-0.173; 0.0179] 0
	-0.0226 [-0.0922; 0.0443] 00	0.000372 [-0.0389; 0.0356] 00	-0.0587 [-0.106; -0.0109] 0 **	-0.00169 [-0.0444; 0.041] 00	0.035 [0.00557; 0.0643] 00 *	0.0399 [-0.0356; 0.115] 0
	-0.117 [-0.269; 0.0364]	-0.0454 [-0.127; 0.031] 0	-0.0948 [-0.201; 0.00998] 0	0.0557 [-0.0284; 0.144] 0	0.0342 [-0.0269; 0.0956] 00	0.0859 [-0.0746; 0.246]
	0.0723 [-0.0252; 0.164] 0	0.0461 [-0.00497; 0.0928] 00	-0.0225 [-0.0943; 0.0478] 00	-0.0591 [-0.12; -0.000838] 0 *	0.0358 [0.000284; 0.076] 00 *	-0.00618 [-0.121; 0.101] 0
DominanceC	-0.00428 [-0.105; 0.0964] 0	-0.0527 [-0.0991; 0.00271] 00	-0.0245 [-0.0847; 0.04] 00	-0.032 [-0.0853; 0.0261] 00	-0.0306 [-0.0757; 0.011] 00	-0.0803 [-0.186; 0.0144] 0
	-0.0532 [-0.147; 0.0317] 0	-0.0611 [-0.107; -0.0158] 0 *	0.00682 [-0.0515; 0.078] 00	-0.0428 [-0.0938; 0.00104] 00	-0.0589 [-0.102; -0.0213] 00 **	-0.129 [-0.236; -0.0351] **
	0.0183 [-0.119; 0.165] 0	-0.0368 [-0.116; 0.0453] 0	0.0205 [-0.0815; 0.133] 0	-0.087 [-0.18; -0.00837] 0 *	-0.0544 [-0.125; 0.0175] 0	-0.126 [-0.275; 0.0233]
	-0.125 [-0.244; -0.00908] *	-0.0854 [-0.156; -0.0122] 0 *	-0.00683 [-0.1; 0.0818] 00	0.00154 [-0.0799; 0.0932] 00	-0.0635 [-0.132; -9.04e-05] 0	-0.133 [-0.286; 0.022]

Table SM.19 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with aspect, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
G.BT	-0.0903 [-0.219; 0.0205] 0 -0.033 [-0.125; 0.0555] 0 -0.0123 [-0.202; 0.161] 0 -0.0538 [-0.183; 0.0716]	0.0162 [-0.0371; 0.0704] 00 -0.016 [-0.063; 0.0323] 00 0.0135 [-0.0668; 0.0956] 00 -0.0455 [-0.112; 0.0239] 0	-0.105 [-0.192; -0.0274] 0 ** -0.0212 [-0.0895; 0.0397] 00 -0.0127 [-0.148; 0.109] 0 -0.0297 [-0.12; 0.0612] 0	0.000517 [-0.0702; 0.0665] 00 0.00294 [-0.0534; 0.0549] 00 -0.0117 [-0.118; 0.104] 0 0.0176 [-0.0572; 0.0907] 00	-0.0189 [-0.0711; 0.0324] 00 -0.0474 [-0.091; -0.00131] 00 * 0.00759 [-0.0749; 0.0967] 00 -0.102 [-0.181; -0.038] 0 **	-0.0413 [-0.184; 0.0881] 0 0.00514 [-0.1; 0.115] 0 -0.0476 [-0.267; 0.171] 0.0579 [-0.101; 0.218] 0
G.VBT	0.012 [-0.0685; 0.0932] 00 -0.00441 [-0.125; 0.117] 0 0.0318 [-0.19; 0.268] -0.0406 [-0.18; 0.0828] 0	0.00765 [-0.0311; 0.0459] 00 0.0344 [-0.0252; 0.0888] 00 0.0817 [-0.023; 0.183] 0 -0.013 [-0.0834; 0.0514] 00	0.0235 [-0.0351; 0.0769] 00 0.0187 [-0.0615; 0.0932] 00 0.0976 [-0.0489; 0.25] -0.0602 [-0.167; 0.0381] 0	0.0205 [-0.0363; 0.082] 00 -0.0672 [-0.15; 0.00911] 0 -0.0894 [-0.246; 0.048] -0.045 [-0.14; 0.0601] 0	-0.00175 [-0.0392; 0.0379] 00 -0.0388 [-0.105; 0.0228] 00 -0.0595 [-0.196; 0.0665] 0 -0.018 [-0.0891; 0.0458] 00	-0.00127 [-0.109; 0.106] 0 -0.0772 [-0.224; 0.0535] -0.154 [-0.426; 0.0911] -0.000266 [-0.163; 0.148] 0
G.MT	-0.0582 [-0.146; 0.0417] 0 -0.128 [-0.216; -0.039] ** -0.00148 [-0.158; 0.163] 0 -0.255 [-0.408; -0.0967] - **	-0.00541 [-0.0508; 0.0451] 00 -0.0683 [-0.117; -0.024] 0 ** -0.012 [-0.0946; 0.0682] 00 -0.125 [-0.204; -0.0509] 0 **	-0.0338 [-0.101; 0.0268] 00 -0.0654 [-0.131; -0.00585] 0 * 0.0315 [-0.0835; 0.141] 0 -0.162 [-0.267; -0.0675] **	-0.0302 [-0.0798; 0.0199] 00 0.0106 [-0.0425; 0.0618] 00 0.0127 [-0.0882; 0.111] 0 0.00862 [-0.0769; 0.0943] 00	-0.0351 [-0.0771; 0.00578] 00 0.017 [-0.019; 0.0537] 00 0.0368 [-0.0386; 0.108] 00 -0.0027 [-0.0607; 0.0581] 00	-0.103 [-0.219; 0.0151] 0 -0.024 [-0.116; 0.0672] 0 0.0155 [-0.163; 0.18] 0 -0.0636 [-0.223; 0.0843] 0
G.ST	-0.17 [-0.337; -0.0201] * -0.146 [-0.33; 0.0277] -0.186 [-0.397; 0.0081] -0.105 [-0.42; 0.217]	-0.131 [-0.202; -0.0574] 0 ** -0.115 [-0.192; -0.0347] 0 ** -0.0281 [-0.109; 0.0501] 00 -0.202 [-0.358; -0.0486] **	-0.096 [-0.19; 0.00231] 0 -0.169 [-0.29; -0.0613] ** 0.00997 [-0.0999; 0.108] 0 -0.349 [-0.568; -0.126] - **	-0.0225 [-0.115; 0.0537] 00 -0.0132 [-0.0938; 0.0724] 00 -0.0336 [-0.133; 0.0706] 0 0.00714 [-0.163; 0.173] 0	-0.0223 [-0.0812; 0.0309] 00 -0.0147 [-0.0736; 0.047] 00 -0.0381 [-0.127; 0.0385] 0 0.00874 [-0.106; 0.134] 0	-0.15 [-0.332; 0.0384] -0.224 [-0.422; -0.0348] * -0.181 [-0.408; 0.02] -0.268 [-0.626; 0.114]
G	-0.0653 [-0.129; -0.00649] 0 * -0.0751 [-0.131; -0.0213] 0 ** -0.0198 [-0.122; 0.0863] 0 -0.131 [-0.21; -0.046] 0 **	-0.00635 [-0.0397; 0.0231] 00 -0.0329 [-0.0608; -0.00428] 00 * 0.0174 [-0.0328; 0.0677] 00 -0.0833 [-0.126; -0.0407] 0 **	-0.00635 [-0.0397; 0.0231] 00 -0.0329 [-0.0608; -0.00428] 00 * 0.0174 [-0.0328; 0.0677] 00 -0.0833 [-0.126; -0.0407] 0 **	-0.0122 [-0.0415; 0.0232] 00 -0.00629 [-0.0337; 0.0223] 00 -0.0204 [-0.0795; 0.0475] 00 0.00785 [-0.0428; 0.0599] 00	-0.0248 [-0.0507; -2.96e-05] 00 * -0.0178 [-0.0439; 0.0089] 00 0.0123 [-0.0369; 0.0633] 00 -0.0479 [-0.0842; -0.0083] 00 *	-0.0723 [-0.141; -0.00315] 0 * -0.0324 [-0.0851; 0.0273] 00 -0.0687 [-0.185; 0.0411] 0 0.00397 [-0.0893; 0.0955] 00
G.fir	-0.057 [-0.126; 0.0136] 0 -0.0517 [-0.107; 0.00687] 00 0.00162 [-0.103; 0.101] 0 -0.105 [-0.199; -0.00497] 0 *	-0.0115 [-0.0445; 0.022] 00 -0.0262 [-0.0591; 0.00384] 00 0.0159 [-0.0422; 0.0705] 00 -0.0682 [-0.12; -0.0197] 0 **	-0.0455 [-0.0896; 0.00101] 00 -0.00319 [-0.043; 0.038] 00 0.0441 [-0.0282; 0.111] 0 -0.0504 [-0.114; 0.00906] 0	0.0211 [-0.0239; 0.0715] 00 -0.0201 [-0.059; 0.0168] 00 -0.0196 [-0.0869; 0.0494] 00 -0.0206 [-0.0826; 0.0448] 00	-0.0201 [-0.0522; 0.0131] 00 -0.0229 [-0.0542; 0.00584] 00 -0.00493 [-0.0554; 0.0441] 00 -0.0409 [-0.0881; 0.0113] 00	-0.0858 [-0.171; -0.00125] 0 * -0.0812 [-0.157; -0.0066] 0 * -0.0843 [-0.208; 0.0295] 0 -0.0782 [-0.208; 0.0414] 0
G.spruce	-0.0884 [-0.174; -0.000884] 0 * -0.118 [-0.226; -0.0164] * -0.0377 [-0.278; 0.178] -0.199 [-0.329; -0.075] **	-0.00264 [-0.048; 0.04] 00 -0.0194 [-0.0724; 0.0248] 00 0.0975 [-0.00972; 0.199] 0 -0.136 [-0.203; -0.0767] 0 **	-0.0619 [-0.131; 0.00603] 0 -0.0464 [-0.115; 0.0228] 0 0.101 [-0.0632; 0.258] -0.193 [-0.284; -0.098] - **	-0.0111 [-0.0604; 0.0398] 00 -0.0234 [-0.0815; 0.0326] 00 -0.0638 [-0.19; 0.0551] 0 0.017 [-0.0467; 0.0858] 00	-0.063 [-0.104; -0.0251] 00 ** -0.0338 [-0.0799; 0.0106] 00 0.0384 [-0.0668; 0.141] 0 -0.106 [-0.157; -0.0474] 0 **	-0.0582 [-0.16; 0.0405] 0 -0.064 [-0.174; 0.0409] 0 -0.138 [-0.354; 0.0953] 0.01 [-0.117; 0.138] 0
G.othersp	-0.0855 [-0.433; 0.261] -0.0574 [-0.314; 0.159] -0.17 [-0.708; 0.286] 0.055 [-0.34; 0.408]	-0.00983 [-0.178; 0.153] 0 -0.0377 [-0.149; 0.079] 0 -0.143 [-0.395; 0.124] 0.0674 [-0.119; 0.239]	-0.0412 [-0.291; 0.196] -0.12 [-0.311; 0.0399] -0.0916 [-0.448; 0.233] -0.148 [-0.441; 0.129]	-0.203 [-0.407; 0.0229] 0.0653 [-0.0643; 0.197] 0 0.141 [-0.0952; 0.38] -0.0104 [-0.178; 0.161] 0	0.109 [-0.0333; 0.253] 0.0985 [-0.0051; 0.202] 0 0.0982 [-0.115; 0.309] 0.0988 [-0.0614; 0.243]	0.125 [-0.258; 0.502] 0.226 [0.00281; 0.433] * 0.224 [-0.216; 0.66] 0.228 [-0.133; 0.572]
DominanceG	-0.0238 [-0.139; 0.0829] 0 0.0335 [-0.0786; 0.143] 0 0.0586 [-0.13; 0.258] 0.00832 [-0.137; 0.15] 0	-0.0541 [-0.109; 0.00169] 0 -0.0672 [-0.127; -0.00655] 0 * -0.0812 [-0.184; 0.0239] 0 -0.0532 [-0.117; 0.0231] 0	-0.0285 [-0.107; 0.054] 00 -0.0527 [-0.129; 0.0251] 0 -0.0982 [-0.224; 0.039] -0.00707 [-0.109; 0.0993] 0	-0.066 [-0.124; 0.00316] 0 -0.0694 [-0.141; 0.00132] 0 -0.0699 [-0.186; 0.0622] 0 -0.0689 [-0.159; 0.0237] 0	-0.0382 [-0.0874; 0.011] 00 -0.0322 [-0.0813; 0.0217] 00 -0.0643 [-0.17; 0.0321] 0 -0.000144 [-0.07; 0.0771] 00	-0.229 [-0.37; -0.0969] - ** -0.175 [-0.299; -0.0433] ** -0.141 [-0.353; 0.0615] -0.209 [-0.374; -0.0382] *

Table SM.20 Analysis of the natural logarithm of the multiplicative effect for models involving tree species richness data, in interaction with aspect, for the species richness of succession, then light preference then temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	MF	PF	NF	MF	PF	
RS	0.182 [0.0988; 0.263] + **	0.0458 [-0.0582; 0.144] 0	-0.115 [-0.23; -0.00379] *	0.0986 [0.0398; 0.162] 0 **	0.0497 [-0.0403; 0.135] 0	
	0.123 [0.046; 0.191] 0 **	-0.0131 [-0.111; 0.0903] 00	-0.143 [-0.239; -0.0485] **	0.149 [0.0993; 0.207] 0 + **	0.00302 [-0.0737; 0.0752] 00	
	0.117 [-0.0411; 0.272]	0.00206 [-0.221; 0.214]	0.00647 [-0.182; 0.192] 0	0.143 [0.0307; 0.255] **	0.0449 [-0.119; 0.198] 0	
	0.129 [-0.0128; 0.257]	-0.0283 [-0.202; 0.152] 0	-0.292 [-0.464; -0.0978] - **	0.156 [0.0615; 0.247] **	-0.0388 [-0.177; 0.113] 0	
RS	HL	IL	LL	HL	IL	
	-0.154 [-0.273; -0.0378] *	0.0927 [0.0123; 0.169] 0 *	0.0847 [-0.0198; 0.195] 0	0.0816 [0.0265; 0.144] 0 **	0.11 [-0.0176; 0.232]	
	-0.237 [-0.347; -0.129] - **	0.0599 [-0.00759; 0.124] 0	0.0785 [-0.0148; 0.171] 0	0.101 [0.0449; 0.152] 0 **	0.0625 [-0.052; 0.186] 0	
	-0.0621 [-0.281; 0.127]	0.106 [-0.0457; 0.26]	0.0944 [-0.0936; 0.294]	0.0961 [-0.0188; 0.204] 0	0.233 [-0.0341; 0.511]	
-0.413 [-0.612; -0.214] -- **	0.0138 [-0.123; 0.156] 0	0.0627 [-0.111; 0.229]	0.105 [0.0104; 0.194] 0 *	-0.108 [-0.361; 0.146]		
RS	HT	IT	LT	HT	IT	LT
	-0.109 [-0.276; 0.0608]	0.047 [-0.024; 0.121] 0	-0.0529 [-0.161; 0.0564] 0	0.0322 [-0.0542; 0.121] 0	0.0725 [0.00727; 0.133] 0 *	0.146 [-0.0418; 0.341]
	-0.106 [-0.247; 0.0256]	-0.0168 [-0.094; 0.0547] 00	-0.0535 [-0.148; 0.0514] 0	0.0685 [-0.00509; 0.144] 0	0.0879 [0.0279; 0.147] 0 **	0.23 [0.0791; 0.391] **
	-0.0643 [-0.373; 0.237]	0.000219 [-0.176; 0.152] 0	0.132 [-0.0543; 0.314]	0.0954 [-0.0653; 0.258]	0.144 [0.0137; 0.274] *	0.0564 [-0.269; 0.384]
-0.147 [-0.393; 0.0999]	-0.0339 [-0.166; 0.106] 0	-0.239 [-0.412; -0.0654] **	0.0417 [-0.0946; 0.18] 0	0.032 [-0.0794; 0.144] 0	0.403 [0.118; 0.668] + **	

Table SM.21 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with region, for the species richness of succession groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, corresponds to, respectively, interaction estimated for external Alps, internal Alps, pre-Northern Alps and Jura. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	0.0414 [-0.000114; 0.0832] 00	-0.0296 [-0.085; 0.0254] 00	-0.0725 [-0.122; -0.0254] 0 **	0.0352 [0.00699; 0.0615] 00 **	-0.0256 [-0.0686; 0.0207] 00
	0.025 [-0.0287; 0.0767] 00	-0.0352 [-0.103; 0.0222] 00	-0.0292 [-0.0824; 0.0202] 00	0.024 [-0.00615; 0.057] 00	-0.0277 [-0.0764; 0.0181] 00
	0.0773 [0.0446; 0.112] 0 **	-0.0341 [-0.0735; 0.00896] 00	-0.0561 [-0.0943; -0.0218] 00 **	0.0271 [0.00366; 0.05] 00 *	-0.0125 [-0.0454; 0.022] 00
	0.0745 [0.0445; 0.104] 00 **	-0.0403 [-0.0767; 0.000285] 00	-0.118 [-0.153; -0.0819] 0 **	0.00992 [-0.0121; 0.0295] 00	-0.0149 [-0.0458; 0.0139] 00
C.fir	0.0643 [-0.000271; 0.128] 0	0.00439 [-0.0771; 0.0911] 00	-0.00372 [-0.0795; 0.0642] 00	0.0353 [-0.0131; 0.0811] 00	-0.0236 [-0.106; 0.0532] 00
	-0.0326 [-0.134; 0.0658] 0	-0.0552 [-0.158; 0.042] 0	0.00478 [-0.0784; 0.085] 00	-0.01 [-0.0682; 0.0433] 00	-0.0845 [-0.171; 0.008] 0
	0.0551 [0.0155; 0.094] 00 **	-0.043 [-0.0981; 0.0119] 00	4.74e-05 [-0.0454; 0.0465] 00	0.0364 [0.00535; 0.0675] 00 *	0.0179 [-0.0237; 0.0606] 00
	0.0405 [0.00795; 0.0728] 00 *	-0.053 [-0.0953; -0.00647] 00 *	-0.0966 [-0.139; -0.0546] 0 **	0.00137 [-0.026; 0.0269] 00	-0.00934 [-0.0475; 0.0226] 00
C.spruce	-0.000508 [-0.0726; 0.0649] 00	-0.0848 [-0.184; 0.00528] 0	-0.131 [-0.22; -0.0406] 0 **	-0.0602 [-0.105; -0.0126] 00 *	-0.0609 [-0.136; 0.0177] 0
	-0.0118 [-0.0855; 0.0596] 00	-0.124 [-0.212; -0.0339] **	-0.107 [-0.181; -0.0343] 0 **	-0.0122 [-0.0526; 0.028] 00	-0.0352 [-0.0991; 0.0307] 00
	0.0982 [0.0531; 0.142] 0 **	-0.0532 [-0.117; 0.00461] 0	-0.129 [-0.195; -0.0635] 0 **	0.00208 [-0.0359; 0.0408] 00	-0.0655 [-0.121; -0.00811] 0 *
	0.105 [0.0681; 0.141] 0 **	-0.0218 [-0.0694; 0.0265] 00	-0.142 [-0.192; -0.0902] 0 **	0.00114 [-0.0262; 0.0306] 00	-0.0184 [-0.0558; 0.0203] 00
C.othersp	0.00899 [-0.0563; 0.0738] 00	-0.0274 [-0.122; 0.0518] 0	-0.0799 [-0.165; -0.00703] 0 *	0.0732 [0.0328; 0.107] 0 **	0.0115 [-0.0566; 0.0749] 00
	0.0927 [0.0283; 0.153] 0 **	0.0683 [-0.00729; 0.133] 0	-0.0125 [-0.0915; 0.0465] 00	0.0452 [0.00574; 0.0848] 00 *	0.0337 [-0.0259; 0.0948] 00
	0.0314 [-0.0152; 0.0749] 00	0.0105 [-0.0587; 0.073] 00	-0.0359 [-0.0897; 0.0181] 00	0.0197 [-0.0142; 0.0545] 00	-0.00557 [-0.0571; 0.0431] 00
	0.0336 [0.00361; 0.0639] 00 *	-0.0261 [-0.0763; 0.018] 00	-0.0467 [-0.0959; -0.002] 00 *	0.0289 [0.00336; 0.0539] 00 *	-0.00919 [-0.0464; 0.024] 00
DominanceC	-0.0534 [-0.146; 0.0407] 0	-0.111 [-0.219; 0.00205]	0.0533 [-0.0351; 0.143] 0	-0.103 [-0.165; -0.0449] 0 **	-0.0724 [-0.157; 0.0166] 0
	-0.193 [-0.29; -0.102] - **	-0.144 [-0.245; -0.0379] **	-0.0208 [-0.116; 0.0708] 0	-0.0742 [-0.14; -0.00852] 0 *	-0.0692 [-0.152; 0.0207] 0
	-0.0502 [-0.114; 0.013] 0	-0.037 [-0.127; 0.0371] 0	0.0905 [0.0264; 0.152] 0 **	-0.0617 [-0.109; -0.0194] 0 **	0.00638 [-0.054; 0.0673] 00
	-0.0794 [-0.126; -0.0296] 0 **	-0.0616 [-0.125; -4.47e-05] 0	-0.0772 [-0.143; -0.0141] 0 *	-0.0583 [-0.0939; -0.0239] 00 **	0.00731 [-0.0477; 0.0553] 00

Table SM.22 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with region, for the species richness of succession groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
G.BT	0.0323 [-0.0907; 0.148] 0	-0.0209 [-0.185; 0.119] 0	-0.0667 [-0.216; 0.0639] 0	-0.0434 [-0.128; 0.0387] 0	-0.12 [-0.263; 0.00929]
	0.0589 [-0.0565; 0.166] 0	-0.00363 [-0.148; 0.121] 0	-0.0945 [-0.247; 0.0499]	-0.0367 [-0.118; 0.0439] 0	-0.0258 [-0.137; 0.0899] 0
	0.0723 [0.00807; 0.129] 0 *	-0.00957 [-0.103; 0.0784] 00	-0.0944 [-0.181; -0.00963] 0 *	-0.00958 [-0.0525; 0.0419] 00	-0.121 [-0.19; -0.0481] 0 **
	0.098 [0.0593; 0.145] 0 **	-0.0286 [-0.0946; 0.0312] 00	-0.144 [-0.219; -0.0733] **	0.0174 [-0.0179; 0.0559] 00	-0.0862 [-0.14; -0.0314] 0 **
G.VBT	0.0407 [-0.0336; 0.109] 00	0.057 [-0.0409; 0.142] 0	-0.0373 [-0.149; 0.0689] 0	0.0183 [-0.0367; 0.0789] 00	0.00978 [-0.0942; 0.102] 00
	-0.0612 [-0.294; 0.184]	0.0459 [-0.231; 0.308]	0.0509 [-0.221; 0.312]	0.0103 [-0.148; 0.174] 0	-0.122 [-0.372; 0.0957]
	6.31e-05 [-0.0774; 0.0639] 00	-0.0289 [-0.136; 0.0628] 0	-0.000387 [-0.0826; 0.0725] 00	-0.0296 [-0.0867; 0.0282] 00	-0.0363 [-0.126; 0.0437] 0
	0.0295 [-0.00247; 0.0587] 00	0.0149 [-0.0347; 0.061] 00	-0.0315 [-0.0955; 0.0266] 00	-0.00371 [-0.033; 0.024] 00	-0.0128 [-0.0579; 0.0271] 00
G.MT	-0.0361 [-0.136; 0.0567] 0	-0.0819 [-0.207; 0.028] 0	-0.0845 [-0.211; 0.0316] 0	-0.00463 [-0.054; 0.0531] 00	-0.0221 [-0.12; 0.0643] 0
	-0.129 [-0.235; -0.00876] *	-0.161 [-0.292; -0.0302] **	0.0106 [-0.113; 0.11] 0	0.00907 [-0.0493; 0.0684] 00	-0.0138 [-0.108; 0.0881] 0
	-0.0225 [-0.0832; 0.0309] 00	-0.109 [-0.193; -0.0384] 0 **	-0.0231 [-0.0862; 0.0423] 00	0.0308 [-0.00661; 0.0701] 00	-0.0209 [-0.0797; 0.0409] 00
	0.0236 [-0.0115; 0.0608] 00	-0.0717 [-0.127; -0.0193] 0 *	-0.127 [-0.186; -0.0724] 0 **	-0.0213 [-0.0512; 0.00905] 00	-0.0429 [-0.0838; -0.00178] 00 *
G.ST	-0.161 [-0.401; 0.0359]	-0.267 [-0.492; -0.0595] - **	-0.0313 [-0.258; 0.133]	0.152 [0.0381; 0.251] **	-0.149 [-0.326; 0.0261]
	-0.104 [-0.265; 0.0314]	-0.136 [-0.318; 0.00649]	-0.0746 [-0.184; 0.0206] 0	-0.0247 [-0.0998; 0.0507] 0	-0.187 [-0.338; -0.058] **
	0.0569 [-0.0781; 0.189] 0	-0.0569 [-0.235; 0.109]	-0.103 [-0.255; 0.0539]	0.00501 [-0.105; 0.105] 0	0.0799 [-0.0498; 0.218] 0
	-0.0921 [-0.144; -0.0409] 0 **	-0.18 [-0.258; -0.104] - **	-0.163 [-0.262; -0.0933] - **	-0.0297 [-0.0697; 0.0121] 0	-0.0362 [-0.09; 0.0148] 0
G	0.0103 [-0.0378; 0.053] 00	-0.0461 [-0.102; 0.00977] 00	-0.0623 [-0.118; -0.0118] 0 **	0.0173 [-0.0144; 0.0452] 00	-0.0661 [-0.111; -0.0229] 0 **
	-0.0294 [-0.0892; 0.0283] 00	-0.0639 [-0.131; 0.0011] 0	-0.0294 [-0.0841; 0.026] 00	-0.011 [-0.0452; 0.022] 00	-0.0564 [-0.111; -0.00483] 0 *
	0.0385 [0.0111; 0.0661] 00 **	-0.0462 [-0.0823; -0.0069] 00 *	-0.0525 [-0.0865; -0.0194] 00 **	0.00615 [-0.0143; 0.0288] 00	-0.0437 [-0.0738; -0.014] 00 **
	0.0503 [0.0239; 0.0813] 00 **	-0.0541 [-0.0955; -0.0138] 00 *	-0.139 [-0.179; -0.0969] 0 - **	-0.0121 [-0.0334; 0.00906] 00	-0.0549 [-0.0857; -0.0244] 00 **
G.fir	0.0222 [-0.0525; 0.0817] 00	-0.0113 [-0.08; 0.0626] 00	-0.00649 [-0.0714; 0.0543] 00	0.00973 [-0.033; 0.0483] 00	-0.0747 [-0.144; -0.0086] 0 *
	-0.047 [-0.129; 0.0283] 0	-0.084 [-0.184; 0.0055] 0	-0.0254 [-0.0923; 0.0347] 00	-0.0434 [-0.0885; 0.00328] 00	-0.113 [-0.193; -0.0381] 0 **
	0.0196 [-0.0177; 0.0546] 00	-0.0284 [-0.0781; 0.0229] 00	-0.000308 [-0.0403; 0.0423] 00	0.00855 [-0.0188; 0.0379] 00	-0.0169 [-0.0617; 0.0234] 00
	0.0156 [-0.0193; 0.0503] 00	-0.0713 [-0.117; -0.0243] 0 **	-0.117 [-0.162; -0.0697] 0 **	-0.0138 [-0.0372; 0.0113] 00	-0.0542 [-0.0919; -0.0182] 00 **
G.spruce	0.0102 [-0.0901; 0.101] 00	-0.0943 [-0.244; 0.032]	-0.163 [-0.296; -0.0536] **	-0.0705 [-0.124; -0.00304] 0 *	-0.113 [-0.213; -0.021] 0 **
	-0.0892 [-0.178; 0.00849] 0	-0.199 [-0.324; -0.0828] **	-0.142 [-0.243; -0.0483] **	-0.0636 [-0.122; -0.00963] 0 *	-0.0852 [-0.164; -0.00819] 0 **
	0.0645 [0.0108; 0.118] 0 *	-0.0166 [-0.0922; 0.063] 00	-0.123 [-0.195; -0.0549] 0 **	-0.0173 [-0.0579; 0.0234] 00	-0.118 [-0.191; -0.046] 0 **
	0.0888 [0.0514; 0.126] 0 **	-0.0274 [-0.0786; 0.02] 00	-0.166 [-0.224; -0.108] - **	-0.0102 [-0.0386; 0.0189] 00	-0.0675 [-0.11; -0.027] 0 **
G.othersp	-0.0746 [-0.325; 0.15]	-0.124 [-0.499; 0.182]	-0.257 [-0.621; 0.0233]	0.221 [0.0629; 0.373] **	0.119 [-0.149; 0.386]
	0.298 [0.00302; 0.622] *	0.445 [0.0587; 0.802] + *	-0.0543 [-0.369; 0.256]	0.277 [0.0994; 0.449] + **	0.256 [-0.0159; 0.522]
	0.0344 [-0.111; 0.177] 0	-0.212 [-0.478; 0.0229]	-0.226 [-0.421; -0.0255] *	0.0685 [-0.0482; 0.184] 0	0.00485 [-0.171; 0.173] 0
	0.0476 [-0.0789; 0.171] 0	-0.0396 [-0.223; 0.138]	-0.208 [-0.419; -0.0137] *	0.0187 [-0.0866; 0.121] 0	0.015 [-0.127; 0.158] 0
DominanceG	-0.188 [-0.279; -0.104] - **	-0.114 [-0.229; 0.0114]	0.0384 [-0.0531; 0.132] 0	-0.0721 [-0.144; -0.00515] 0 *	-0.103 [-0.189; -0.0119] 0 *
	-0.242 [-0.339; -0.134] - **	-0.0468 [-0.175; 0.0657] 0	0.056 [-0.0336; 0.144] 0	-0.0309 [-0.112; 0.0407] 00	-0.0913 [-0.198; 0.0107] 0
	-0.103 [-0.16; -0.0498] 0 **	-0.00128 [-0.0805; 0.0729] 00	0.0938 [0.0246; 0.163] 0 *	-0.049 [-0.0963; -0.000842] 00 *	-0.0255 [-0.0892; 0.0391] 00
	-0.135 [-0.183; -0.085] 0 **	-0.0597 [-0.136; 0.0135] 0	-0.0329 [-0.103; 0.0349] 00	-0.0652 [-0.107; -0.0259] 0 **	-0.0237 [-0.0853; 0.0418] 00

Table SM.23 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with region, for the species richness of light preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, corresponds to, respectively, interaction estimated for external Alps, internal Alps, pre-Northern Alps and Jura. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
C	-0.124 [-0.173; -0.0725] 0 **	0.00303 [-0.0351; 0.0417] 00	0.0792 [0.0326; 0.13] 0 **	0.0181 [-0.0132; 0.0462] 00	-0.038 [-0.0966; 0.0234] 00
	-0.0576 [-0.116; -0.00117] 0 *	-0.00399 [-0.0584; 0.0446] 00	0.091 [0.0366; 0.152] 0 **	0.0242 [-0.00886; 0.0564] 00	-0.0761 [-0.151; -0.00303] 0 *
	-0.109 [-0.152; -0.0671] 0 **	0.0278 [-0.00361; 0.0598] 00	0.0902 [0.0514; 0.133] 0 **	0.013 [-0.0117; 0.036] 00	-0.025 [-0.0731; 0.0243] 00
	-0.156 [-0.198; -0.115] 0 - **	0.00957 [-0.019; 0.0396] 00	0.0714 [0.0358; 0.111] 0 **	0.00147 [-0.0217; 0.0229] 00	-0.0306 [-0.0737; 0.0114] 00
C.fir	-0.0547 [-0.132; 0.0171] 0	0.0513 [-0.0111; 0.116] 0	0.164 [0.0768; 0.244] **	0.0281 [-0.0208; 0.0754] 00	-0.0696 [-0.181; 0.032] 0
	0.0146 [-0.0624; 0.087] 00	-0.0429 [-0.129; 0.0387] 0	0.0738 [-0.0276; 0.166] 0	-0.00997 [-0.0647; 0.0449] 00	-0.158 [-0.3; -0.0299] *
	-0.0478 [-0.098; 0.00229] 00	0.0305 [-0.0088; 0.0713] 00	0.0756 [0.0218; 0.13] 0 **	0.0379 [0.00618; 0.0688] 00 *	-0.0258 [-0.0922; 0.0472] 00
	-0.137 [-0.181; -0.0935] 0 **	7.11e-05 [-0.034; 0.0322] 00	0.0608 [0.0188; 0.103] 00 **	0.00312 [-0.022; 0.0265] 00	-0.0338 [-0.0806; 0.0134] 00
C.spruce	-0.155 [-0.268; -0.0588] **	-0.0556 [-0.13; 0.0211] 0	0.126 [0.049; 0.205] 0 **	-0.0512 [-0.106; -0.000892] 0 *	-0.158 [-0.255; -0.061] **
	-0.164 [-0.257; -0.0768] **	-0.0657 [-0.136; 0.00325] 0	0.0617 [-0.0183; 0.138] 0	0.00175 [-0.04; 0.04] 00	-0.167 [-0.275; -0.0532] **
	-0.222 [-0.296; -0.144] - **	0.0188 [-0.0307; 0.0683] 00	0.14 [0.0772; 0.203] 0 **	-0.0207 [-0.0617; 0.0159] 00	-0.0602 [-0.143; 0.0143] 0
	-0.164 [-0.217; -0.115] - **	0.0305 [-0.00548; 0.0681] 00	0.109 [0.0605; 0.16] 0 **	-0.00421 [-0.0306; 0.0219] 00	-0.0294 [-0.0836; 0.0245] 00
C.othersp	-0.094 [-0.188; -0.0157] 0 *	-0.00986 [-0.0759; 0.0577] 00	-0.0968 [-0.194; -0.012] 0 *	0.0508 [0.00425; 0.092] 00 *	0.0714 [-0.0178; 0.153] 0
	-0.0315 [-0.106; 0.0351] 00	0.0685 [0.0131; 0.123] 0 *	0.0996 [0.0344; 0.166] 0 **	0.0349 [-0.00736; 0.0737] 00	0.0683 [-0.0244; 0.152] 0
	-0.0314 [-0.0947; 0.0292] 00	0.0211 [-0.0262; 0.0654] 00	0.0299 [-0.0354; 0.0944] 00	0.006 [-0.0359; 0.0454] 00	0.0159 [-0.0568; 0.0862] 00
	-0.0719 [-0.126; -0.0216] 0 *	-0.00156 [-0.0362; 0.0298] 00	0.022 [-0.0264; 0.0677] 00	0.0148 [-0.0126; 0.0384] 00	-0.00538 [-0.0548; 0.0452] 00
DominanceC	0.0396 [-0.0658; 0.131] 0	-0.0678 [-0.148; 0.0116] 0	0.0651 [-0.0358; 0.169] 0	-0.0801 [-0.141; -0.0152] 0 *	-0.167 [-0.29; -0.0332] *
	0.0108 [-0.0983; 0.112] 0	-0.138 [-0.223; -0.0562] **	-0.174 [-0.283; -0.0519] *	-0.0608 [-0.117; -0.00709] 0 *	-0.165 [-0.31; -0.0431] **
	0.0918 [0.0216; 0.16] 0 **	-0.0234 [-0.0757; 0.0298] 00	-0.00571 [-0.0847; 0.0645] 00	-0.0191 [-0.0627; 0.0274] 00	-0.125 [-0.219; -0.0381] **
	-0.055 [-0.125; 0.012] 0	-0.073 [-0.122; -0.026] 0 **	-0.0615 [-0.125; 0.00262] 0	-0.0357 [-0.0716; -0.000181] 00 *	-0.0644 [-0.13; 0.00604] 0

Table SM.24 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with region, for the species richness of light reference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
G.BT	-0.137 [-0.28; 0.00963]	0.0175 [-0.0868; 0.127] 0	0.081 [-0.0581; 0.216] 0	-0.0531 [-0.135; 0.0264] 0	-0.0324 [-0.227; 0.125] 0
	-0.14 [-0.341; 0.0165]	0.0148 [-0.0982; 0.118] 0	0.0686 [-0.0541; 0.192] 0	-0.0251 [-0.104; 0.049] 00	0.0427 [-0.134; 0.207] 0
	-0.16 [-0.252; -0.0648] **	0.0312 [-0.0294; 0.0918] 00	0.0658 [-0.0198; 0.147] 0	-0.0532 [-0.0993; -0.00427] 00 *	-0.0727 [-0.197; 0.0339] 0
	-0.159 [-0.237; -0.0876] **	0.02 [-0.0262; 0.0656] 00	0.0746 [0.013; 0.135] 0 *	-0.0161 [-0.0515; 0.0188] 00	-0.099 [-0.18; -0.0245] 0 *
G.VBT	-0.0323 [-0.154; 0.0727] 0	0.0334 [-0.0475; 0.0973] 00	0.0261 [-0.0764; 0.114] 0	0.0193 [-0.037; 0.0768] 00	-0.043 [-0.158; 0.0883] 0
	0.0845 [-0.185; 0.368]	0.0034 [-0.244; 0.237]	0.0144 [-0.272; 0.289]	-0.0345 [-0.179; 0.11] 0	-0.0293 [-0.417; 0.337]
	0.00468 [-0.0921; 0.0962] 00	0.00399 [-0.0669; 0.0669] 00	-0.00403 [-0.089; 0.0784] 00	-0.0363 [-0.0988; 0.0253] 00	-0.0241 [-0.154; 0.106] 0
	-0.0339 [-0.095; 0.0224] 00	0.02 [-0.016; 0.0523] 00	0.036 [-0.0121; 0.0799] 00	-0.00565 [-0.0353; 0.0229] 00	-0.0178 [-0.0728; 0.035] 00
G.MT	-0.102 [-0.214; 0.0144]	-0.0765 [-0.175; 0.0344] 0	-0.000234 [-0.108; 0.109] 0	0.00103 [-0.0514; 0.0574] 00	-0.0335 [-0.177; 0.0841] 0
	0.0282 [-0.0997; 0.146] 0	-0.104 [-0.203; 0.000987] 0	-0.0611 [-0.197; 0.0541] 0	0.0251 [-0.0388; 0.083] 00	-0.189 [-0.39; -0.00353] *
	-0.0537 [-0.128; 0.0197] 0	-0.0369 [-0.0934; 0.0148] 00	-0.00645 [-0.0813; 0.07] 00	0.016 [-0.0335; 0.0586] 00	-0.0482 [-0.14; 0.0407] 0
	-0.194 [-0.26; -0.134] - **	-0.0195 [-0.0572; 0.0191] 00	0.0226 [-0.0345; 0.0809] 00	-0.0239 [-0.0507; 0.00335] 00	-0.0695 [-0.133; -0.0114] 0 *
G.ST	-0.0349 [-0.266; 0.138]	-0.115 [-0.265; 0.0482]	-0.112 [-0.342; 0.132]	0.0446 [-0.0607; 0.145] 0	-0.22 [-0.52; 0.0545]
	-0.0737 [-0.19; 0.0313] 0	-0.111 [-0.253; 0.0104]	0.00839 [-0.145; 0.137] 0	-0.076 [-0.152; -0.00783] 0 *	-0.182 [-0.43; 0.0311]
	-0.125 [-0.313; 0.0458]	-0.0291 [-0.15; 0.0772] 0	0.0435 [-0.137; 0.213] 0	0.0523 [-0.0459; 0.149] 0	0.0256 [-0.183; 0.241]
	-0.146 [-0.233; -0.0612] **	-0.126 [-0.177; -0.0757] 0 **	-0.134 [-0.212; -0.0587] **	-0.0248 [-0.0612; 0.00905] 0	-0.0543 [-0.135; 0.025] 0
G	-0.0983 [-0.161; -0.0434] 0 **	-0.0155 [-0.058; 0.0294] 00	0.0419 [-0.0143; 0.0982] 00	-0.00636 [-0.0392; 0.0238] 00	-0.0553 [-0.117; 0.00134] 0
	-0.0333 [-0.0953; 0.0282] 00	-0.0403 [-0.0936; 0.0114] 00	0.0226 [-0.0372; 0.0859] 00	-0.0137 [-0.0497; 0.0237] 00	-0.0807 [-0.165; -0.00117] 0 *
	-0.0925 [-0.133; -0.054] 0 **	0.00791 [-0.0188; 0.0335] 00	0.0425 [0.00613; 0.0781] 00 *	-0.00884 [-0.0318; 0.0123] 00	-0.049 [-0.0935; -0.00663] 00 *
	-0.173 [-0.219; -0.133] - **	-0.00535 [-0.0326; 0.0252] 00	0.0372 [0.000683; 0.0732] 00 *	-0.0234 [-0.0456; -0.000974] 00 *	-0.0746 [-0.117; -0.0321] 0 **
G.fir	-0.0407 [-0.104; 0.022] 00	0.0143 [-0.0387; 0.0694] 00	0.078 [-0.000773; 0.152] 0	-0.00728 [-0.0496; 0.035] 00	-0.0961 [-0.187; -0.00252] 0 *
	-0.00963 [-0.0774; 0.0516] 00	-0.0493 [-0.12; 0.0198] 0	0.0156 [-0.0669; 0.0894] 00	-0.0521 [-0.1; -0.0087] 00 *	-0.121 [-0.249; -0.00767] *
	-0.0347 [-0.0791; 0.00988] 00	0.0138 [-0.0222; 0.0553] 00	0.0222 [-0.0243; 0.0689] 00	0.00521 [-0.0231; 0.0352] 00	-0.0617 [-0.12; 0.00123] 0
	-0.165 [-0.216; -0.116] - **	-0.0205 [-0.0549; 0.0137] 00	0.0144 [-0.0294; 0.057] 00	-0.0199 [-0.0449; 0.00376] 00	-0.099 [-0.153; -0.0481] 0 **
G.spruce	-0.213 [-0.358; -0.0729] **	-0.0726 [-0.175; 0.0156] 0	0.119 [0.00868; 0.222] *	-0.0838 [-0.157; -0.02] 0 **	-0.138 [-0.247; -0.0183] *
	-0.199 [-0.319; -0.0976] - **	-0.114 [-0.209; -0.0239] 0 *	-0.0185 [-0.12; 0.0721] 0	-0.049 [-0.107; 0.00217] 00	-0.211 [-0.34; -0.068] **
	-0.209 [-0.306; -0.121] - **	0.0141 [-0.0449; 0.0781] 00	0.0913 [0.0266; 0.159] 0 **	-0.0528 [-0.0991; -0.00742] 00 *	-0.097 [-0.182; -0.0161] 0 *
	-0.193 [-0.259; -0.129] - **	0.0187 [-0.0194; 0.0583] 00	0.0775 [0.0309; 0.123] 0 **	-0.0264 [-0.059; 0.00119] 00	-0.0862 [-0.141; -0.0288] 0 **
G.othersp	-0.271 [-0.636; 0.0628]	-0.0404 [-0.311; 0.183]	-0.368 [-0.708; -0.0265] *	0.169 [0.0221; 0.321] *	0.256 [-0.0138; 0.558]
	-0.0161 [-0.326; 0.291]	0.186 [-0.0958; 0.429]	0.254 [-0.0704; 0.576]	0.249 [0.0779; 0.416] + **	0.44 [-0.00595; 0.884]
	-0.217 [-0.47; 0.0234]	-0.0669 [-0.242; 0.101]	-0.0362 [-0.228; 0.148]	0.0323 [-0.0922; 0.152] 0	0.135 [-0.135; 0.381]
	-0.213 [-0.462; 0.0175]	-0.0122 [-0.156; 0.123] 0	-0.0735 [-0.248; 0.0937]	-0.0143 [-0.123; 0.087] 0	0.142 [-0.0945; 0.361]
DominanceG	0.073 [-0.0434; 0.183] 0	-0.15 [-0.243; -0.0599] **	-0.155 [-0.281; -0.0312] **	-0.089 [-0.161; -0.0174] 0 **	-0.0915 [-0.203; 0.022] 0
	0.11 [0.00994; 0.21] 0 *	-0.133 [-0.214; -0.0425] **	-0.174 [-0.302; -0.0472] **	-0.0432 [-0.12; 0.0228] 0	-0.125 [-0.268; 0.006]
	0.119 [0.0509; 0.202] 0 **	-0.0378 [-0.0896; 0.022] 00	-0.0525 [-0.122; 0.0227] 0	-0.0374 [-0.0838; 0.00938] 00	-0.0675 [-0.171; 0.0126] 0
	0.0189 [-0.0619; 0.103] 00	-0.11 [-0.158; -0.0583] 0 **	-0.115 [-0.185; -0.0394] 0 **	-0.0588 [-0.104; -0.0157] 00 **	-0.0149 [-0.093; 0.067] 00

Table SM.25 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with region, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the four lines for each variable and species group corresponds to, respectively, corresponds to, respectively, interaction estimated for external Alps, internal Alps, pre-Northern Alps and Jura. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
C	-0.058 [-0.127; 0.00719] 0	-0.0266 [-0.0633; 0.00971] 00	-0.0683 [-0.122; -0.0208] 0 **	-0.0257 [-0.0693; 0.0156] 00	0.0253 [-0.00805; 0.0581] 00	-0.0348 [-0.118; 0.0448] 0
	-0.0647 [-0.145; 0.0152] 0	-0.0091 [-0.0583; 0.0387] 00	-0.036 [-0.0911; 0.0254] 00	0.00221 [-0.044; 0.0499] 00	0.0197 [-0.0184; 0.0553] 00	-0.0383 [-0.13; 0.0566] 0
	-0.038 [-0.091; 0.0158] 00	-0.00355 [-0.0315; 0.0276] 00	-0.0429 [-0.0804; -0.0055] 00 *	-0.000798 [-0.0393; 0.0321] 00	0.00526 [-0.0204; 0.0329] 00	0.0172 [-0.0476; 0.0888] 00
	-0.0999 [-0.151; -0.053] 0 **	-0.0175 [-0.0474; 0.0114] 00	-0.0941 [-0.131; -0.0583] 0 **	-0.00989 [-0.0428; 0.0241] 00	0.00218 [-0.0211; 0.0284] 00	-0.0664 [-0.127; -0.000593] 0 *
C.fir	-0.00951 [-0.127; 0.11] 0	0.00959 [-0.0557; 0.0753] 00	0.0295 [-0.0584; 0.104] 00	0.0223 [-0.0511; 0.0926] 00	0.0197 [-0.0364; 0.0788] 00	-0.0773 [-0.207; 0.0524] 0
	-0.051 [-0.188; 0.0768] 0	-0.0229 [-0.105; 0.0487] 00	0.0352 [-0.0636; 0.127] 0	0.00846 [-0.0728; 0.0819] 00	-0.023 [-0.093; 0.0378] 00	-0.174 [-0.343; -0.00596] *
	-0.00403 [-0.0764; 0.0668] 00	0.000395 [-0.0397; 0.0414] 00	0.00244 [-0.0478; 0.0472] 00	0.0229 [-0.0348; 0.0715] 00	0.033 [-0.00166; 0.0662] 00	-0.0166 [-0.105; 0.0707] 00
	-0.0786 [-0.143; -0.0134] 0 *	-0.0225 [-0.0584; 0.0107] 00	-0.0854 [-0.129; -0.042] 0 **	0.00465 [-0.0392; 0.0442] 00	0.00166 [-0.0313; 0.0297] 00	-0.0931 [-0.167; -0.00967] 0 *
C.spruce	-0.0862 [-0.212; 0.0366] 0	-0.0725 [-0.165; -0.00562] 0 *	-0.124 [-0.22; -0.0215] **	-0.0565 [-0.129; 0.000214] 0	-0.0688 [-0.127; -0.021] 0 **	0.0464 [-0.0976; 0.19] 0
	-0.159 [-0.304; -0.0291] *	-0.084 [-0.154; -0.0163] 0 *	-0.107 [-0.202; -0.0254] 0 **	-0.0114 [-0.0691; 0.0414] 00	-0.0193 [-0.072; 0.0253] 00	0.0467 [-0.0788; 0.165] 0
	-0.0775 [-0.175; 0.0116] 0	-0.0197 [-0.0685; 0.0299] 00	-0.0978 [-0.17; -0.0318] 0 **	0.0253 [-0.0328; 0.0846] 00	-0.0418 [-0.0912; 0.00726] 00	-0.00387 [-0.103; 0.0948] 00
	-0.0943 [-0.17; -0.0246] 0 **	-0.00465 [-0.0452; 0.0318] 00	-0.0664 [-0.113; -0.0221] 0 **	-0.0155 [-0.0596; 0.028] 00	-0.00259 [-0.0375; 0.031] 00	-0.0568 [-0.136; 0.0351] 0
C.othersp	-0.0566 [-0.183; 0.0568] 0	-0.0261 [-0.0904; 0.0399] 00	-0.0883 [-0.176; -0.0039] 0 *	-0.0236 [-0.0852; 0.042] 00	0.0803 [0.0385; 0.122] 0 **	-0.0987 [-0.254; 0.0551]
	0.0269 [-0.0668; 0.126] 0	0.0636 [0.00942; 0.114] 0 *	-0.0413 [-0.115; 0.029] 0	-0.00583 [-0.0728; 0.057] 00	0.0515 [0.00809; 0.0963] 00 *	0.0236 [-0.107; 0.143] 0
	-0.0167 [-0.102; 0.0679] 00	0.00945 [-0.0392; 0.0522] 00	-0.0129 [-0.0674; 0.0388] 00	-0.0408 [-0.0933; 0.0189] 00	0.0043 [-0.0376; 0.0439] 00	0.0424 [-0.0399; 0.127] 0
	-0.0742 [-0.156; 0.00155] 0	-0.00995 [-0.0443; 0.0255] 00	-0.0606 [-0.112; -0.0194] 0 **	0.00769 [-0.0301; 0.0495] 00	0.0155 [-0.013; 0.0421] 00	-0.0425 [-0.126; 0.0393] 0
DominanceC	0.046 [-0.0918; 0.179] 0	-0.0361 [-0.11; 0.0381] 00	0.0378 [-0.0578; 0.126] 0	0.0121 [-0.0757; 0.0953] 00	-0.0884 [-0.159; -0.0197] 0 **	-0.144 [-0.297; 0.015]
	-0.156 [-0.312; -0.00185] *	-0.116 [-0.205; -0.035] 0 **	0.0608 [-0.0406; 0.154] 0	-0.0162 [-0.0987; 0.0737] 00	-0.0836 [-0.161; -0.00769] 0 *	-0.0862 [-0.241; 0.0699]
	0.0878 [-0.00567; 0.181] 0	-0.000841 [-0.0551; 0.051] 00	0.0584 [-0.0149; 0.127] 0	-0.0492 [-0.105; 0.0109] 00	-0.0243 [-0.0779; 0.0301] 00	-0.0549 [-0.165; 0.0562] 0
	-0.0793 [-0.168; 0.0172] 0	-0.0673 [-0.11; -0.024] 0 **	-0.0609 [-0.129; 0.00283] 0	-0.0495 [-0.108; 0.00852] 00	-0.0236 [-0.0688; 0.0163] 00	-0.118 [-0.227; -0.00608] *

Table SM.26 Analysis of the natural logarithm of the multiplicative effect for models involving tree basal area data, in interaction with region, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
G.BT	-0.135 [-0.349; 0.0455] 0.0667 [-0.111; 0.228] -0.119 [-0.247; 0.0137] -0.0831 [-0.185; 0.0153] 0	-0.0541 [-0.163; 0.0577] 0 -0.0426 [-0.146; 0.0551] 0 -0.0175 [-0.0765; 0.046] 00 0.00284 [-0.0441; 0.0503] 00	0.0156 [-0.137; 0.167] 0 0.00761 [-0.161; 0.155] 0 -0.0344 [-0.113; 0.041] 0 -0.112 [-0.184; -0.0392] 0 **	-0.0204 [-0.138; 0.0944] 0 0.0151 [-0.0682; 0.0966] 00 -0.0147 [-0.0864; 0.0529] 00 0.00439 [-0.0475; 0.0534] 00	-0.0943 [-0.195; 0.00668] 0 -0.03 [-0.114; 0.0599] 0 -0.0702 [-0.128; -0.015] 0 ** -0.0279 [-0.0722; 0.0156] 00	0.0195 [-0.21; 0.223] 0.0188 [-0.218; 0.218] -0.0204 [-0.141; 0.106] 0 -0.0285 [-0.13; 0.0676] 0
G.VBT	-0.0209 [-0.17; 0.124] 0 0.0844 [-0.339; 0.459] 0.0662 [-0.0575; 0.169] 0 -0.0251 [-0.104; 0.0473] 00	0.03 [-0.0467; 0.0962] 00 0.014 [-0.198; 0.209] 0.000935 [-0.0635; 0.0641] 00 0.0124 [-0.0219; 0.0456] 00	0.0216 [-0.107; 0.117] 0 -0.119 [-0.482; 0.193] 0.0105 [-0.0748; 0.0836] 00 -0.00493 [-0.0604; 0.0457] 00	0.0336 [-0.0614; 0.131] 0 -0.0639 [-0.298; 0.165] -0.0377 [-0.122; 0.0537] 0 -0.0116 [-0.0577; 0.0342] 00	0.0104 [-0.0607; 0.0726] 00 -0.0578 [-0.251; 0.131] -0.0344 [-0.109; 0.0385] 00 -0.0121 [-0.0505; 0.0209] 00	-0.069 [-0.276; 0.108] 0.161 [-0.199; 0.562] -0.0902 [-0.231; 0.0477] -0.0174 [-0.0984; 0.0615] 00
G.MT	-0.0377 [-0.17; 0.107] 0 -0.269 [-0.498; -0.0662] * -0.0955 [-0.208; 0.00169] 0 -0.147 [-0.228; -0.0752] **	-0.0747 [-0.175; 0.0353] 0 -0.0673 [-0.153; 0.0173] 0 -0.036 [-0.0843; 0.0164] 00 -0.0492 [-0.0902; -0.00742] 00 *	-0.0876 [-0.231; 0.0261] -0.0402 [-0.162; 0.0854] 0 -0.0307 [-0.104; 0.0339] 00 -0.104 [-0.16; -0.048] 0 **	-0.115 [-0.198; -0.0188] 0 * 0.0263 [-0.0588; 0.115] 0 0.0285 [-0.0399; 0.0971] 00 -0.0154 [-0.063; 0.027] 00	0.0217 [-0.047; 0.0999] 00 0.00898 [-0.0641; 0.0784] 00 -0.00564 [-0.0537; 0.0381] 00 -0.0285 [-0.0604; 0.0067] 00	-0.0636 [-0.248; 0.0904] -0.108 [-0.307; 0.0823] 0.0273 [-0.0946; 0.138] 0 -0.128 [-0.234; -0.0288] **
G.ST	-0.209 [-0.51; 0.0493] -0.3 [-0.636; -0.0135] * 0.0985 [-0.12; 0.316] -0.221 [-0.34; -0.0962] - **	-0.0934 [-0.295; 0.083] -0.0704 [-0.169; 0.0128] 0 -0.0635 [-0.198; 0.062] 0 -0.133 [-0.189; -0.0805] 0 **	-0.156 [-0.383; 0.0877] -0.053 [-0.175; 0.0534] 0 -0.0962 [-0.273; 0.0779] -0.124 [-0.205; -0.0424] 0 **	0.155 [-0.0302; 0.302] -0.0501 [-0.132; 0.0347] 0 0.00966 [-0.149; 0.156] 0 -0.025 [-0.084; 0.0372] 0	0.0503 [-0.0656; 0.178] 0 -0.0961 [-0.193; -0.000607] 0 * 0.0661 [-0.0375; 0.169] 0 -0.0216 [-0.0622; 0.0202] 0	-0.304 [-0.712; 0.0569] -0.353 [-0.755; -0.0443] * 0.0292 [-0.233; 0.269] -0.207 [-0.361; -0.0548] **
G	-0.0657 [-0.146; 0.0157] 0 -0.0747 [-0.173; 0.0162] 0 -0.0399 [-0.0942; 0.00882] 00 -0.119 [-0.181; -0.0655] 0 **	-0.0398 [-0.081; 0.000878] 00 -0.0412 [-0.0949; 0.00911] 00 -0.0195 [-0.0463; 0.00632] 00 -0.0303 [-0.0582; -0.00326] 00 *	-0.0382 [-0.0995; 0.0165] 00 -0.0145 [-0.085; 0.0529] 00 -0.0274 [-0.0617; 0.00812] 00 -0.0996 [-0.143; -0.0528] 0 **	-0.0174 [-0.0614; 0.026] 00 0.00769 [-0.0361; 0.0517] 00 -2.54e-05 [-0.0312; 0.0319] 00 -0.0162 [-0.0491; 0.0195] 00	-0.00197 [-0.0383; 0.0332] 00 -0.0206 [-0.0668; 0.0215] 00 -0.0228 [-0.0478; 0.00322] 00 -0.0285 [-0.0531; -0.00434] 00 *	-0.0645 [-0.162; 0.0197] 0 -0.0588 [-0.149; 0.0336] 0 0.00244 [-0.0552; 0.0625] 00 -0.0998 [-0.164; -0.0329] 0 **
G.fir	-0.0595 [-0.171; 0.0407] 0 -0.0532 [-0.158; 0.0526] 0 -0.0131 [-0.0785; 0.0494] 00 -0.111 [-0.176; -0.0466] 0 **	-0.00401 [-0.0528; 0.0476] 00 -0.035 [-0.0973; 0.0264] 00 -0.00916 [-0.0429; 0.0289] 00 -0.0419 [-0.0786; -0.00764] 00 *	0.0183 [-0.0589; 0.0826] 00 -0.0102 [-0.0861; 0.0533] 00 0.00987 [-0.0308; 0.0542] 00 -0.11 [-0.16; -0.058] 0 **	-0.000857 [-0.0626; 0.0643] 00 -0.017 [-0.0772; 0.0438] 00 -0.00106 [-0.0448; 0.0453] 00 0.00131 [-0.0361; 0.0378] 00	-0.0121 [-0.0582; 0.0318] 00 -0.0656 [-0.125; -0.00865] 0 * -0.00191 [-0.0343; 0.031] 00 -0.0323 [-0.0616; -0.00497] 00 *	-0.112 [-0.227; 0.00504] -0.164 [-0.303; -0.0335] * -0.0309 [-0.11; 0.044] 00 -0.125 [-0.2; -0.0507] 0 **
G.spruce	-0.168 [-0.35; 7.19e-05] -0.226 [-0.413; -0.0531] ** -0.0611 [-0.166; 0.0411] 0 -0.118 [-0.203; -0.0356] 0 **	-0.0982 [-0.204; -0.00398] 0 * -0.136 [-0.225; -0.0585] ** -0.0152 [-0.0748; 0.0403] 00 -0.0129 [-0.0546; 0.0274] 00	-0.118 [-0.238; 0.0112] -0.122 [-0.249; -0.0147] * -0.0936 [-0.178; -0.0113] 0 * -0.0843 [-0.143; -0.0238] 0 **	-0.0486 [-0.11; 0.0266] 0 -0.0215 [-0.0877; 0.0481] 00 0.0115 [-0.0483; 0.0765] 00 -0.00638 [-0.0508; 0.0367] 00	-0.117 [-0.203; -0.0415] 0 ** -0.0876 [-0.149; -0.0278] 0 ** -0.0868 [-0.145; -0.0338] 0 ** -0.0356 [-0.0692; -0.00451] 00 *	0.0653 [-0.117; 0.225] 0.0318 [-0.117; 0.162] 0 -0.0344 [-0.148; 0.0854] 0 -0.108 [-0.216; -0.0176] 0 *
G.othersp	0.143 [-0.362; 0.549] 0.0901 [-0.378; 0.624] -0.181 [-0.502; 0.125] -0.154 [-0.484; 0.141]	-0.122 [-0.376; 0.119] 0.185 [-0.0561; 0.466] -0.0906 [-0.239; 0.0657] -0.0469 [-0.186; 0.0904] 0	-0.306 [-0.72; 0.0737] 0.0379 [-0.355; 0.385] -0.114 [-0.336; 0.104] -0.11 [-0.334; 0.109]	0.00697 [-0.256; 0.251] 0.162 [-0.0496; 0.389] -0.0357 [-0.207; 0.139] 0 -0.159 [-0.331; 0.00535]	0.237 [0.062; 0.41] ** 0.308 [0.129; 0.513] + ** 0.0328 [-0.108; 0.182] 0 0.0335 [-0.072; 0.143] 0	-0.135 [-0.694; 0.41] 0.249 [-0.268; 0.78] 0.267 [-0.0134; 0.569] 0.181 [-0.13; 0.511]
DominanceG	0.049 [-0.102; 0.188] 0 -0.069 [-0.229; 0.0926] 0.113 [-0.00247; 0.215] 0 -0.0411 [-0.151; 0.0711] 0	-0.0956 [-0.175; -0.00777] 0 * -0.0656 [-0.153; 0.0185] 0 -0.00703 [-0.0616; 0.0542] 00 -0.0762 [-0.13; -0.0155] 0 *	-0.067 [-0.195; 0.0574] 0 0.0309 [-0.0908; 0.138] 0 0.0322 [-0.037; 0.111] 00 -0.0721 [-0.149; 0.00599] 0	-0.0577 [-0.157; 0.0281] 0 -0.0259 [-0.116; 0.0697] 0 -0.067 [-0.135; 0.0136] 0 -0.0485 [-0.109; 0.0268] 0	-0.0614 [-0.145; 0.0206] 0 -0.038 [-0.12; 0.0374] 0 -0.0184 [-0.0726; 0.0444] 00 -0.0246 [-0.073; 0.0277] 00	-0.266 [-0.45; -0.0621] - * -0.16 [-0.317; 0.00493] -0.117 [-0.238; 0.012] -0.226 [-0.351; -0.107] - **

Table SM.27 Analysis of the natural logarithm of the multiplicative effect for models involving tree species richness, in interaction with region, for the species richness of succession, then light preference then temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	MF	PF	NF	MF	PF	
RS	0.0544 [-0.0563; 0.155] 0	0.023 [-0.12; 0.155] 0	-0.0978 [-0.233; 0.0326]	0.178 [0.108; 0.245] + **	-0.00408 [-0.113; 0.0969] 0	
	-0.0233 [-0.198; 0.137] 0	0.0613 [-0.133; 0.265]	-0.00268 [-0.184; 0.179] 0	0.201 [0.101; 0.295] + **	0.0605 [-0.0833; 0.196] 0	
	0.165 [0.0858; 0.241] + **	0.0115 [-0.0941; 0.116] 0	-0.0699 [-0.159; 0.0166] 0	0.139 [0.0834; 0.193] 0 **	0.0372 [-0.0424; 0.113] 0	
	0.181 [0.105; 0.25] + **	-0.0108 [-0.109; 0.0899] 0	-0.279 [-0.387; -0.177] - **	0.104 [0.0539; 0.157] 0 **	0.0204 [-0.0552; 0.0948] 00	
RS	HL	IL	LL	HL	IL	
	-0.16 [-0.3; -0.0208] *	0.0444 [-0.0607; 0.143] 0	0.0343 [-0.102; 0.158] 0	0.115 [0.0428; 0.183] 0 **	0.0463 [-0.126; 0.21] 0	
	-0.0254 [-0.231; 0.166]	0.0286 [-0.135; 0.186] 0	0.068 [-0.136; 0.247]	0.193 [0.115; 0.288] + **	-0.0218 [-0.257; 0.233]	
	-0.171 [-0.279; -0.0731] **	0.104 [0.0268; 0.175] 0 *	0.118 [0.0196; 0.212] 0 *	0.0935 [0.0401; 0.145] 0 **	0.102 [-0.0279; 0.228]	
	-0.33 [-0.444; -0.227] -- **	0.0541 [-0.0157; 0.123] 0	0.0723 [-0.0308; 0.156] 0	0.064 [0.0108; 0.115] 0 *	0.0869 [-0.0368; 0.202] 0	
RS	HT	IT	LT	HT	IT	LT
	-0.0831 [-0.267; 0.0822]	-0.0296 [-0.13; 0.0615] 0	-0.0364 [-0.166; 0.103] 0	0.0413 [-0.0611; 0.142] 0	0.116 [0.041; 0.19] 0 **	0.17 [-0.0217; 0.344]
	-0.208 [-0.486; 0.0555]	0.0303 [-0.136; 0.172] 0	0.038 [-0.155; 0.22]	0.13 [-0.00681; 0.28]	0.153 [0.0516; 0.258] **	0.287 [0.0139; 0.547] *
	-0.00407 [-0.152; 0.137] 0	0.0344 [-0.0441; 0.104] 00	0.00233 [-0.0851; 0.104] 00	0.0755 [-0.0161; 0.163] 0	0.0648 [0.0054; 0.125] 0 *	0.317 [0.169; 0.475] + **
	-0.247 [-0.396; -0.0812] - **	-0.00865 [-0.0883; 0.0636] 00	-0.155 [-0.258; -0.0546] **	0.0303 [-0.0567; 0.11] 00	0.06 [-0.00183; 0.121] 0	0.0931 [-0.0811; 0.269]

Table SM.28 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with elevation, for the species richness of succession groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of elevation, elevation +1 standard deviation and elevation -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	0.0632 [0.0333; 0.0949] 00 **	-0.0422 [-0.0809; -0.00383] 00 *	-0.0775 [-0.108; -0.0453] 0 **	0.0109 [-0.00931; 0.0313] 00	-0.0188 [-0.0501; 0.0111] 00
	0.0515 [0.0166; 0.0887] 00 **	-0.0519 [-0.0954; -0.00878] 00 *	-0.0242 [-0.0613; 0.00768] 00	-0.00238 [-0.0274; 0.0218] 00	-0.0279 [-0.0633; 0.0073] 00
	0.0748 [0.0434; 0.106] 00 **	-0.0326 [-0.0729; 0.00765] 00	-0.131 [-0.164; -0.0941] 0 **	0.0243 [0.00347; 0.045] 00 *	-0.00969 [-0.0398; 0.0188] 00
C.fir	0.0334 [-0.00294; 0.0723] 00	-0.0553 [-0.0991; -0.00536] 00 *	-0.0375 [-0.0752; -0.0035] 00 *	-0.00128 [-0.0253; 0.0242] 00	-0.0174 [-0.052; 0.0187] 00
	0.0213 [-0.0234; 0.0641] 00	-0.0724 [-0.13; -0.0101] 0 *	0.0303 [-0.0168; 0.0736] 00	-0.0179 [-0.0479; 0.0129] 00	-0.0353 [-0.0795; 0.0126] 00
	0.0455 [0.0104; 0.0855] 00 **	-0.0381 [-0.0853; 0.00803] 00	-0.105 [-0.148; -0.0664] 0 **	0.0153 [-0.00788; 0.0409] 00	0.00055 [-0.0338; 0.0379] 00
C.spruce	0.0812 [0.046; 0.116] 0 **	-0.0539 [-0.105; -0.00528] 00 *	-0.124 [-0.162; -0.0855] 0 **	-0.0145 [-0.0366; 0.0116] 00	-0.0278 [-0.0617; 0.0114] 00
	0.0704 [0.0267; 0.113] 0 **	-0.0698 [-0.134; -0.00737] 0 *	-0.0805 [-0.136; -0.0283] 0 **	-0.0168 [-0.0456; 0.0168] 00	-0.0169 [-0.0593; 0.0315] 00
	0.0919 [0.0517; 0.128] 0 **	-0.038 [-0.0897; 0.0136] 00	-0.167 [-0.22; -0.118] - **	-0.0122 [-0.0383; 0.0132] 00	-0.0388 [-0.0778; 0.00453] 00
C.othersp	0.0376 [0.0107; 0.0648] 00 **	0.00575 [-0.0304; 0.0397] 00	-0.032 [-0.0638; -0.000476] 00 *	0.0352 [0.0188; 0.0522] 00 **	-0.00671 [-0.0337; 0.0191] 00
	0.0346 [-0.00787; 0.0752] 00	0.021 [-0.0307; 0.0721] 00	-0.037 [-0.0855; 0.00901] 00	0.0195 [-0.00858; 0.0455] 00	-0.022 [-0.0632; 0.0159] 00
	0.0406 [0.00863; 0.0718] 00 *	-0.0095 [-0.0565; 0.0355] 00	-0.0269 [-0.0742; 0.0118] 00	0.0509 [0.0303; 0.0714] 00 **	0.0086 [-0.0218; 0.0389] 00
DominanceC	-0.0782 [-0.122; -0.0396] 0 **	-0.0724 [-0.125; -0.0215] 0 **	-0.0182 [-0.0742; 0.0381] 00	-0.076 [-0.106; -0.0462] 00 **	-0.0188 [-0.0636; 0.0246] 00
	-0.097 [-0.146; -0.0461] 0 **	-0.122 [-0.185; -0.0639] 0 **	0.0269 [-0.0266; 0.0855] 00	-0.0995 [-0.134; -0.0621] 0 **	-0.0591 [-0.107; -0.0045] 00 *
	-0.0594 [-0.107; -0.0125] 00 *	-0.0224 [-0.0853; 0.0397] 00	-0.0634 [-0.127; 0.00264] 0	-0.0526 [-0.0869; -0.0183] 00 **	0.0214 [-0.0299; 0.0728] 00

Table SM.29 Analysis of the natural logarithm of the multiplicative effect for basal area-based elevation models, succession groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
G.BT	0.0828 [0.0497; 0.121] 0 **	-0.0122 [-0.0647; 0.0347] 00	-0.112 [-0.158; -0.0551] 0 **	-0.00075 [-0.028; 0.027] 00	-0.0839 [-0.125; -0.0427] 0 **
	0.0632 [0.00811; 0.11] 0 *	-0.000382 [-0.0779; 0.0686] 00	-0.0721 [-0.139; -0.00907] 0 *	-0.0268 [-0.068; 0.0158] 00	-0.0781 [-0.142; -0.0119] 0 **
	0.102 [0.0601; 0.146] 0 **	-0.0241 [-0.0954; 0.0373] 00	-0.152 [-0.224; -0.0694] **	0.0253 [-0.0105; 0.0576] 00	-0.0896 [-0.141; -0.0407] 0 **
G.VBT	0.0268 [-0.00387; 0.055] 00	0.0147 [-0.0276; 0.0523] 00	-0.0162 [-0.058; 0.0215] 00	-0.00406 [-0.0307; 0.0215] 00	-0.015 [-0.0503; 0.0188] 00
	0.0276 [-0.028; 0.0789] 00	0.00676 [-0.0689; 0.0755] 00	0.0111 [-0.0548; 0.0723] 00	-0.0142 [-0.0643; 0.0308] 00	-0.012 [-0.0729; 0.0536] 00
	0.026 [-0.0115; 0.0596] 00	0.0226 [-0.0254; 0.0661] 00	-0.0435 [-0.108; 0.0129] 00	0.00612 [-0.0233; 0.0361] 00	-0.018 [-0.0655; 0.0329] 00
G.MT	-0.00332 [-0.0353; 0.029] 00	-0.0969 [-0.141; -0.0547] 0 **	-0.076 [-0.116; -0.0353] 0 **	0.00091 [-0.0195; 0.0216] 00	-0.0248 [-0.0581; 0.011] 00
	-0.0361 [-0.0844; 0.0122] 00	-0.134 [-0.2; -0.0705] 0 **	-0.00146 [-0.0492; 0.0477] 00	-0.0126 [-0.0433; 0.0194] 00	-0.0192 [-0.0698; 0.0307] 00
	0.0294 [-0.00649; 0.0661] 00	-0.0596 [-0.11; -0.0123] 0 *	-0.15 [-0.204; -0.0986] 0 - **	0.0144 [-0.0103; 0.0408] 00	-0.0303 [-0.0702; 0.00793] 00
G.ST	-0.0867 [-0.134; -0.0436] 0 **	-0.167 [-0.235; -0.0967] - **	-0.142 [-0.202; -0.0863] 0 **	-0.0166 [-0.0466; 0.0136] 00	-0.0641 [-0.115; -0.0181] 0 **
	-0.111 [-0.191; -0.0376] 0 **	-0.177 [-0.284; -0.0837] **	-0.117 [-0.169; -0.0709] 0 **	-0.0272 [-0.0737; 0.0156] 00	-0.117 [-0.204; -0.0476] 0 **
	-0.0627 [-0.113; -0.00924] 0 *	-0.157 [-0.238; -0.0763] **	-0.166 [-0.239; -0.0936] - **	-0.00606 [-0.0412; 0.0319] 00	-0.0109 [-0.0614; 0.0339] 00
G	0.0332 [0.0101; 0.0563] 00 **	-0.0538 [-0.0891; -0.0146] 00 **	-0.0951 [-0.13; -0.0628] 0 **	-0.00163 [-0.02; 0.0155] 00	-0.0538 [-0.0791; -0.0284] 00 **
	0.00869 [-0.0201; 0.0383] 00	-0.07 [-0.108; -0.025] 0 **	-0.0438 [-0.0782; -0.0123] 00 **	-0.0208 [-0.0425; -0.00205] 00 *	-0.0614 [-0.0904; -0.0319] 00 **
	0.0576 [0.0317; 0.0863] 00 **	-0.0376 [-0.0794; 0.00501] 00	-0.146 [-0.186; -0.104] 0 - **	0.0175 [-0.00265; 0.0369] 00	-0.0462 [-0.0754; -0.0155] 00 **
G.fir	0.00838 [-0.0202; 0.0384] 00	-0.0547 [-0.0917; -0.0179] 00 **	-0.0625 [-0.0969; -0.028] 00 **	-0.00572 [-0.027; 0.0146] 00	-0.0496 [-0.0783; -0.0195] 00 **
	-0.015 [-0.0504; 0.0185] 00	-0.0689 [-0.114; -0.0221] 0 **	-0.0178 [-0.052; 0.0134] 00	-0.0274 [-0.0522; -0.0043] 00 *	-0.0624 [-0.0981; -0.0302] 00 **
	0.0317 [-0.00176; 0.0651] 00	-0.0405 [-0.0843; 0.00377] 00	-0.107 [-0.152; -0.0638] 0 **	0.016 [-0.00793; 0.0405] 00	-0.0367 [-0.0704; 0.00135] 00
G.spruce	0.0577 [0.0248; 0.092] 00 **	-0.056 [-0.103; -0.00872] 00 *	-0.149 [-0.198; -0.1] 0 - **	-0.0236 [-0.0473; -0.000649] 00 *	-0.076 [-0.111; -0.0401] 0 **
	0.0334 [-0.0172; 0.084] 00	-0.0833 [-0.159; -0.0135] 0 *	-0.105 [-0.175; -0.0378] 0 **	-0.0265 [-0.0613; 0.00832] 00	-0.064 [-0.114; -0.0144] 0 *
	0.0821 [0.0472; 0.117] 0 **	-0.0288 [-0.0826; 0.0249] 00	-0.193 [-0.256; -0.128] - **	-0.0207 [-0.0482; 0.00524] 00	-0.0879 [-0.128; -0.0444] 0 **
G.othersp	0.0547 [-0.0364; 0.138] 0	-0.0345 [-0.167; 0.0874] 0	-0.141 [-0.268; -0.0285] *	0.104 [0.0388; 0.165] 0 **	0.0296 [-0.0695; 0.122] 0
	0.0921 [-0.0736; 0.245]	-0.00786 [-0.223; 0.206]	-0.159 [-0.331; 0.00166]	0.0447 [-0.066; 0.141] 0	-0.0149 [-0.191; 0.159] 0
	0.0173 [-0.0968; 0.129] 0	-0.0611 [-0.249; 0.109]	-0.123 [-0.308; 0.0446]	0.163 [0.0762; 0.239] **	0.0741 [-0.0485; 0.199] 0
DominanceG	-0.136 [-0.185; -0.0841] 0 **	-0.0548 [-0.116; 0.0129] 0	0.0122 [-0.0483; 0.08] 00	-0.0708 [-0.11; -0.0285] 0 **	-0.0601 [-0.106; -0.013] 00 *
	-0.159 [-0.216; -0.0999] - **	-0.0839 [-0.155; -0.00986] 0 *	0.0731 [0.0111; 0.145] 0 *	-0.0904 [-0.133; -0.0407] 0 **	-0.101 [-0.158; -0.0482] 0 **
	-0.112 [-0.167; -0.0601] 0 **	-0.0256 [-0.0864; 0.0452] 00	-0.0486 [-0.119; 0.0211] 0	-0.0513 [-0.0893; -0.00917] 00 *	-0.0191 [-0.0685; 0.0356] 00

Table SM.30 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with elevation, for the species richness of light preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of elevation, elevation +1 standard deviation and elevation -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
C	-0.122 [-0.159; -0.0865] 0 **	0.0116 [-0.0152; 0.0405] 00	0.0815 [0.0413; 0.119] 0 **	0.00454 [-0.0158; 0.0254] 00	-0.0568 [-0.1; -0.0164] 00 **
	-0.0724 [-0.116; -0.0328] 0 **	0.0132 [-0.0196; 0.0442] 00	0.0857 [0.0443; 0.127] 0 **	-0.00386 [-0.0284; 0.0185] 00	-0.0925 [-0.144; -0.0438] 0 **
	-0.172 [-0.215; -0.132] - **	0.00997 [-0.0186; 0.0408] 00	0.0773 [0.037; 0.118] 0 **	0.0129 [-0.0104; 0.0373] 00	-0.0211 [-0.0613; 0.0201] 00
C.fir	-0.0807 [-0.12; -0.0401] 0 **	0.00495 [-0.0296; 0.0349] 00	0.0596 [0.015; 0.104] 00 *	0.0037 [-0.023; 0.0309] 00	-0.08 [-0.131; -0.0246] 0 **
	-0.0138 [-0.0591; 0.0378] 00	0.00797 [-0.0348; 0.047] 00	0.0614 [-0.000436; 0.117] 0	-0.00624 [-0.0395; 0.0231] 00	-0.132 [-0.201; -0.0563] 0 **
	-0.148 [-0.195; -0.105] 0 - **	0.00194 [-0.0333; 0.0357] 00	0.0578 [0.0139; 0.103] 00 **	0.0136 [-0.0122; 0.0384] 00	-0.0285 [-0.0747; 0.0213] 00
C.spruce	-0.174 [-0.217; -0.124] - **	0.00751 [-0.0252; 0.0409] 00	0.102 [0.0585; 0.147] 0 **	-0.016 [-0.04; 0.00659] 00	-0.0794 [-0.129; -0.0276] 0 **
	-0.154 [-0.21; -0.0959] 0 - **	0.00215 [-0.0436; 0.0474] 00	0.116 [0.057; 0.17] 0 **	-0.0106 [-0.0406; 0.0212] 00	-0.0972 [-0.166; -0.0263] 0 **
	-0.194 [-0.252; -0.134] - **	0.0129 [-0.0242; 0.0484] 00	0.0879 [0.0391; 0.136] 0 **	-0.0214 [-0.049; 0.00796] 00	-0.0616 [-0.117; -0.00433] 0 *
C.othersp	-0.0494 [-0.0849; -0.0161] 00 *	0.0171 [-0.00781; 0.0435] 00	0.0281 [-0.00582; 0.0604] 00	0.0159 [-0.00217; 0.0333] 00	0.0128 [-0.0303; 0.052] 00
	-0.0417 [-0.0923; 0.00692] 00	0.0233 [-0.0148; 0.0626] 00	0.028 [-0.021; 0.0753] 00	-0.00241 [-0.0302; 0.0272] 00	0.000382 [-0.0709; 0.0674] 00
	-0.0571 [-0.107; -0.00736] 0 *	0.0108 [-0.0213; 0.0452] 00	0.0283 [-0.0164; 0.0693] 00	0.0342 [0.0126; 0.0544] 00 **	0.0253 [-0.0177; 0.068] 00
DominanceC	-0.000428 [-0.0617; 0.0553] 00	-0.0675 [-0.107; -0.0284] 0 **	-0.0545 [-0.107; -0.0023] 00 *	-0.0463 [-0.0751; -0.0133] 00 **	-0.112 [-0.171; -0.0499] 0 **
	0.0403 [-0.0175; 0.0999] 00	-0.0817 [-0.13; -0.0377] 0 **	-0.0728 [-0.137; -0.0099] 0 *	-0.0671 [-0.103; -0.0327] 00 **	-0.164 [-0.245; -0.0913] **
	-0.0411 [-0.118; 0.0318] 0	-0.0532 [-0.102; -0.00656] 00 *	-0.0362 [-0.101; 0.0318] 00	-0.0254 [-0.059; 0.014] 00	-0.0598 [-0.133; 0.0133] 0

Table SM.31 Analysis of the natural logarithm of the multiplicative effect for basal area-based elevation models, light preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
G.BT	-0.15 [-0.207; -0.0947] 0 - **	0.025 [-0.0128; 0.0597] 00	0.0744 [0.0284; 0.12] 0 **	-0.0247 [-0.0539; 0.00267] 00	-0.0662 [-0.128; -0.00638] 0 *
	-0.12 [-0.189; -0.0485] 0 **	0.0279 [-0.0277; 0.0809] 00	0.065 [-0.000463; 0.137] 0	-0.041 [-0.0826; 0.00204] 00	-0.0769 [-0.173; 0.02] 0
	-0.181 [-0.266; -0.0996] - **	0.0221 [-0.0225; 0.0658] 00	0.0839 [0.0226; 0.14] 0 **	-0.00835 [-0.0468; 0.0282] 00	-0.0554 [-0.135; 0.0181] 0
G.VBT	-0.0183 [-0.0656; 0.026] 00	0.0244 [-0.00765; 0.0542] 00	0.0315 [-0.00646; 0.0676] 00	-0.00626 [-0.0324; 0.0199] 00	-0.0119 [-0.0624; 0.0373] 00
	-0.00137 [-0.0684; 0.0678] 00	0.0332 [-0.0175; 0.0865] 00	0.0384 [-0.0305; 0.109] 00	-0.0113 [-0.0589; 0.032] 00	0.0185 [-0.0798; 0.113] 00
	-0.0352 [-0.106; 0.028] 00	0.0156 [-0.0244; 0.0514] 00	0.0245 [-0.0204; 0.0678] 00	-0.00117 [-0.0374; 0.034] 00	-0.0424 [-0.114; 0.025] 0
G.MT	-0.129 [-0.177; -0.0836] 0 **	-0.0331 [-0.0675; 0.0025] 00	0.00643 [-0.033; 0.0477] 00	-0.000496 [-0.025; 0.0242] 00	-0.0697 [-0.122; -0.0228] 0 **
	-0.0294 [-0.0873; 0.0267] 00	-0.0514 [-0.0998; -0.00246] 00 *	-0.0123 [-0.0732; 0.0434] 00	-0.000939 [-0.036; 0.0323] 00	-0.104 [-0.183; -0.0316] 0 **
	-0.228 [-0.3; -0.165] - **	-0.0148 [-0.0512; 0.0236] 00	0.0252 [-0.0243; 0.0745] 00	-5.36e-05 [-0.0296; 0.028] 00	-0.0359 [-0.0887; 0.0152] 00
G.ST	-0.14 [-0.205; -0.0748] 0 **	-0.11 [-0.158; -0.0612] 0 **	-0.0838 [-0.146; -0.0261] 0 **	-0.0269 [-0.0616; 0.00421] 00	-0.0773 [-0.154; -0.00608] 0 *
	-0.12 [-0.179; -0.0624] 0 **	-0.111 [-0.175; -0.0533] 0 **	-0.0755 [-0.159; 0.00236] 0	-0.0545 [-0.1; -0.0125] 00 *	-0.108 [-0.232; 0.00676]
	-0.16 [-0.247; -0.0732] **	-0.109 [-0.17; -0.0519] 0 **	-0.0921 [-0.17; -0.0233] 0 **	0.000689 [-0.0382; 0.0379] 00	-0.0471 [-0.125; 0.0282] 0
G	-0.133 [-0.17; -0.0982] 0 - **	-0.00534 [-0.0302; 0.0204] 00	0.0364 [0.0045; 0.0679] 00 *	-0.0158 [-0.0334; 0.00187] 00	-0.0676 [-0.105; -0.0276] 00 **
	-0.075 [-0.107; -0.0429] 0 **	-0.0125 [-0.0422; 0.016] 00	0.0271 [-0.0121; 0.0659] 00	-0.0278 [-0.0499; -0.00675] 00 **	-0.089 [-0.138; -0.043] 0 **
	-0.192 [-0.238; -0.146] - **	0.00186 [-0.0275; 0.0295] 00	0.0457 [0.00986; 0.0844] 00 *	-0.00382 [-0.0235; 0.0179] 00	-0.0462 [-0.0884; -0.00197] 00 *
G.fir	-0.102 [-0.141; -0.0693] 0 **	-0.00778 [-0.0358; 0.0185] 00	0.0224 [-0.0124; 0.0574] 00	-0.0125 [-0.0293; 0.00465] 00	-0.0854 [-0.129; -0.0408] 0 **
	-0.0474 [-0.0822; -0.0137] 00 **	-0.0115 [-0.0443; 0.0195] 00	0.00682 [-0.0344; 0.0479] 00	-0.028 [-0.0488; -0.00642] 00 **	-0.103 [-0.157; -0.0522] 0 **
	-0.156 [-0.206; -0.11] 0 - **	-0.00402 [-0.0367; 0.0284] 00	0.038 [-0.00754; 0.0788] 00	0.00301 [-0.0188; 0.0279] 00	-0.0678 [-0.12; -0.0117] 0 *
G.spruce	-0.206 [-0.26; -0.153] - **	-0.005 [-0.04; 0.0301] 00	0.082 [0.041; 0.123] 0 **	-0.0364 [-0.0591; -0.0127] 00 **	-0.106 [-0.162; -0.0576] 0 **
	-0.185 [-0.263; -0.11] - **	-0.0224 [-0.0763; 0.0289] 00	0.0944 [0.0327; 0.158] 0 **	-0.0296 [-0.0641; 0.00456] 00	-0.118 [-0.205; -0.038] 0 **
	-0.226 [-0.299; -0.16] - **	0.0123 [-0.0277; 0.0498] 00	0.0695 [0.0199; 0.117] 0 **	-0.0432 [-0.0706; -0.0149] 00 *	-0.0952 [-0.149; -0.0395] 0 **
G.othersp	-0.151 [-0.287; -0.0222] **	0.00469 [-0.0831; 0.0884] 00	-0.0372 [-0.147; 0.0848] 0	0.0566 [-0.014; 0.116] 0	0.174 [0.0302; 0.318] *
	-0.151 [-0.345; 0.0429]	0.0249 [-0.128; 0.167] 0	-0.0227 [-0.199; 0.177] 0	-0.0045 [-0.121; 0.104] 0	0.125 [-0.127; 0.348]
	-0.151 [-0.356; 0.0562]	-0.0155 [-0.141; 0.111] 0	-0.0517 [-0.214; 0.123] 0	0.118 [0.033; 0.202] 0 **	0.223 [0.0533; 0.381] *
DominanceG	0.0601 [-0.0141; 0.132] 0	-0.0895 [-0.141; -0.0404] 0 **	-0.111 [-0.178; -0.0373] 0 **	-0.0631 [-0.0998; -0.0211] 00 **	-0.0805 [-0.174; 0.00452] 0
	0.114 [0.0385; 0.188] 0 **	-0.0948 [-0.151; -0.0431] 0 **	-0.127 [-0.202; -0.0461] 0 **	-0.0834 [-0.126; -0.0347] 0 **	-0.162 [-0.268; -0.0622] **
	0.00662 [-0.0744; 0.0827] 00	-0.0841 [-0.143; -0.0332] 0 **	-0.0935 [-0.171; -0.0168] 0 **	-0.0427 [-0.0797; -0.00264] 00 *	0.00111 [-0.092; 0.0856] 00

Table SM.32 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with elevation, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of elevation, elevation +1 standard deviation and elevation -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
C	-0.0679 [-0.118; -0.0135] 0 *	-0.0129 [-0.0394; 0.0153] 00	-0.0616 [-0.0949; -0.0273] 00 **	-0.00637 [-0.0369; 0.0261] 00	-0.00288 [-0.026; 0.0203] 00	-0.0279 [-0.0837; 0.0253] 00
	-0.045 [-0.102; 0.0197] 00	-0.0136 [-0.0461; 0.019] 00	-0.0084 [-0.0492; 0.03] 00	-0.00509 [-0.0388; 0.0298] 00	-0.0245 [-0.0511; 0.00371] 00	0.0433 [-0.0193; 0.104] 00
	-0.0908 [-0.145; -0.0344] 0 **	-0.0122 [-0.0392; 0.018] 00	-0.115 [-0.151; -0.0761] 0 **	-0.00764 [-0.0403; 0.0258] 00	0.0187 [-0.00479; 0.0428] 00	-0.0991 [-0.16; -0.0427] 0 **
C.fir	-0.0508 [-0.105; 0.0054] 00	-0.016 [-0.0471; 0.0174] 00	-0.0334 [-0.0743; 0.00518] 00	0.00702 [-0.0341; 0.0466] 00	-0.00822 [-0.0383; 0.0204] 00	-0.0699 [-0.14; 0.000128] 0
	-0.0287 [-0.0985; 0.0396] 00	-0.0133 [-0.0542; 0.0259] 00	0.0404 [-0.00832; 0.0839] 00	0.00895 [-0.0384; 0.0568] 00	-0.0339 [-0.0753; 0.00162] 00	-0.0129 [-0.0897; 0.0626] 00
	-0.0729 [-0.135; -0.0145] 0 *	-0.0186 [-0.0486; 0.0169] 00	-0.107 [-0.15; -0.0632] 0 **	0.00509 [-0.037; 0.0446] 00	0.0175 [-0.0106; 0.0457] 00	-0.127 [-0.21; -0.0473] 0 **
C.spruce	-0.0973 [-0.152; -0.0416] 0 **	-0.0269 [-0.0589; 0.00452] 00	-0.0785 [-0.119; -0.0356] 0 **	-0.012 [-0.0511; 0.0248] 00	-0.0297 [-0.0565; -0.00224] 00 *	-0.00433 [-0.0686; 0.0631] 00
	-0.0701 [-0.147; 0.0114] 0	-0.0351 [-0.0789; 0.00704] 00	-0.0524 [-0.105; 0.00601] 00	-0.00741 [-0.0593; 0.0407] 00	-0.0388 [-0.0735; -0.00314] 00 *	0.104 [0.0211; 0.188] 0 *
	-0.125 [-0.196; -0.0494] 0 **	-0.0188 [-0.0568; 0.0176] 00	-0.105 [-0.157; -0.0534] 0 **	-0.0166 [-0.0654; 0.0224] 00	-0.0207 [-0.0513; 0.00962] 00	-0.113 [-0.198; -0.0256] 0 **
C.othersp	-0.0246 [-0.0721; 0.0236] 00	0.00611 [-0.0176; 0.0307] 00	-0.0364 [-0.0714; -0.00252] 00 *	-0.0106 [-0.0388; 0.0169] 00	0.022 [0.000238; 0.0424] 00 *	-0.00635 [-0.0569; 0.0456] 00
	-0.0164 [-0.085; 0.0537] 00	0.0104 [-0.0277; 0.0443] 00	-0.0223 [-0.0662; 0.0223] 00	-0.0177 [-0.0597; 0.0266] 00	0.000681 [-0.035; 0.0324] 00	0.0316 [-0.0419; 0.103] 00
	-0.0327 [-0.0939; 0.0322] 00	0.00178 [-0.0295; 0.0314] 00	-0.0505 [-0.0992; -0.00308] 00 *	-0.00345 [-0.0419; 0.0341] 00	0.0433 [0.0206; 0.0659] 00 **	-0.0443 [-0.133; 0.0393] 0
DominanceC	-0.0319 [-0.105; 0.051] 00	-0.0545 [-0.0972; -0.0139] 00 **	-0.0185 [-0.073; 0.0389] 00	-0.0404 [-0.085; 0.00338] 00	-0.0531 [-0.086; -0.0203] 00 **	-0.122 [-0.203; -0.0331] 0 *
	-0.0133 [-0.092; 0.072] 00	-0.0562 [-0.106; -0.00864] 00 *	0.0259 [-0.0317; 0.0797] 00	-0.0228 [-0.0737; 0.0274] 00	-0.1 [-0.14; -0.0602] 0 **	-0.0784 [-0.167; 0.0067] 0
	-0.0504 [-0.143; 0.0566] 0	-0.0528 [-0.0984; -0.00609] 00 *	-0.063 [-0.126; 0.00574] 0	-0.058 [-0.113; 0.000876] 0	-0.00569 [-0.0465; 0.0331] 00	-0.166 [-0.277; -0.056] **

Table SM.33 Analysis of the natural logarithm of the multiplicative effect for basal area-based elevation models, temperature preference groups. Variables are those involved in models described in Table 2. The notation is an in the previous table.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
G.BT	-0.0647 [-0.14; 0.0111] 0	-0.00905 [-0.046; 0.0268] 00	-0.0707 [-0.122; -0.0184] 0 *	-0.00159 [-0.0408; 0.0369] 00	-0.0445 [-0.0816; -0.00902] 00 *	-0.0211 [-0.1; 0.0612] 00
	-0.0167 [-0.112; 0.0784] 0	-0.0301 [-0.0811; 0.0192] 00	0.00265 [-0.0577; 0.06] 00	-0.0141 [-0.0741; 0.0403] 00	-0.0728 [-0.132; -0.0197] 0 **	0.0408 [-0.0581; 0.135] 0
	-0.113 [-0.212; -0.00996] 0 *	0.012 [-0.0352; 0.0601] 00	-0.144 [-0.221; -0.0655] **	0.0109 [-0.0438; 0.0671] 00	-0.0161 [-0.0556; 0.0263] 00	-0.0831 [-0.207; 0.0473] 0
G.VBT	0.000283 [-0.0593; 0.0573] 00	0.0154 [-0.017; 0.0483] 00	0.00678 [-0.0309; 0.044] 00	-0.00954 [-0.0456; 0.0294] 00	-0.0114 [-0.0421; 0.0192] 00	-0.0337 [-0.106; 0.0329] 00
	-0.00712 [-0.102; 0.0863] 00	0.024 [-0.032; 0.0833] 00	0.0117 [-0.0468; 0.0684] 00	-0.00698 [-0.0687; 0.0586] 00	-0.0138 [-0.0706; 0.0425] 00	-0.0464 [-0.145; 0.059] 0
	0.00769 [-0.0656; 0.0852] 00	0.00677 [-0.0294; 0.0429] 00	0.00184 [-0.059; 0.0574] 00	-0.0121 [-0.0662; 0.0422] 00	-0.00901 [-0.0471; 0.0296] 00	-0.0209 [-0.134; 0.0825] 0
G.MT	-0.104 [-0.173; -0.0443] 0 **	-0.0483 [-0.0795; -0.0167] 00 **	-0.0754 [-0.12; -0.033] 0 **	-0.00421 [-0.0385; 0.0314] 00	-0.0133 [-0.041; 0.0124] 00	-0.0889 [-0.161; -0.0133] 0 *
	-0.0982 [-0.18; -0.0194] 0 *	-0.0534 [-0.0955; -0.00751] 00 *	-0.0118 [-0.063; 0.0382] 00	0.011 [-0.034; 0.0592] 00	-0.0304 [-0.0698; 0.0101] 00	0.00872 [-0.0784; 0.0921] 00
	-0.111 [-0.19; -0.0337] 0 **	-0.0432 [-0.0823; -0.00606] 00 *	-0.139 [-0.2; -0.0788] 0 **	-0.0194 [-0.0628; 0.0244] 00	0.00384 [-0.0257; 0.0334] 00	-0.186 [-0.29; -0.075] **
G.ST	-0.168 [-0.275; -0.0753] **	-0.11 [-0.155; -0.0635] 0 **	-0.122 [-0.186; -0.0605] 0 **	-0.0263 [-0.0703; 0.0188] 00	-0.0336 [-0.0752; 0.00323] 00	-0.18 [-0.302; -0.0685] **
	-0.159 [-0.299; -0.0437] **	-0.0977 [-0.154; -0.0422] 0 **	-0.0993 [-0.166; -0.0396] 0 **	-0.0299 [-0.0781; 0.0205] 00	-0.069 [-0.131; -0.0147] 0 **	-0.199 [-0.343; -0.0786] **
	-0.177 [-0.314; -0.0648] **	-0.123 [-0.179; -0.063] 0 **	-0.144 [-0.23; -0.0611] **	-0.0226 [-0.083; 0.0373] 00	0.00167 [-0.0408; 0.0435] 00	-0.161 [-0.307; -0.00269] *
G	-0.0761 [-0.12; -0.0333] 0 **	-0.0278 [-0.0517; -0.00303] 00 *	-0.0717 [-0.104; -0.0421] 00 **	-0.00693 [-0.0307; 0.0184] 00	-0.029 [-0.0488; -0.00902] 00 **	-0.0703 [-0.121; -0.0201] 0 **
	-0.0581 [-0.106; -0.00801] 0 *	-0.0342 [-0.062; -0.00507] 00 *	-0.0184 [-0.0503; 0.0135] 00	-0.00296 [-0.0302; 0.0257] 00	-0.0555 [-0.0792; -0.0295] 00 **	-0.0108 [-0.0624; 0.0423] 00
	-0.0941 [-0.147; -0.0422] 0 **	-0.0213 [-0.049; 0.00652] 00	-0.125 [-0.165; -0.0867] 0 **	-0.0109 [-0.0408; 0.0203] 00	-0.0026 [-0.0266; 0.0214] 00	-0.13 [-0.198; -0.0661] 0 **
G.fir	-0.0632 [-0.113; -0.0141] 0 *	-0.0239 [-0.052; 0.00412] 00	-0.0569 [-0.0951; -0.0224] 00 **	-0.00222 [-0.0347; 0.0288] 00	-0.0278 [-0.0491; -0.00274] 00 *	-0.12 [-0.183; -0.0616] 0 **
	-0.0446 [-0.097; 0.00803] 00	-0.0277 [-0.0614; 0.00182] 00	-0.0024 [-0.035; 0.0292] 00	-0.00267 [-0.0386; 0.0331] 00	-0.0537 [-0.081; -0.0242] 00 **	-0.065 [-0.122; -0.00929] 0 *
	-0.0817 [-0.147; -0.0158] 0 **	-0.02 [-0.056; 0.0128] 00	-0.111 [-0.163; -0.0661] 0 **	-0.00176 [-0.0407; 0.0394] 00	-0.00179 [-0.0271; 0.0251] 00	-0.176 [-0.258; -0.0939] - **
G.spruce	-0.119 [-0.182; -0.0486] 0 **	-0.0344 [-0.0678; 0.0025] 00	-0.0952 [-0.143; -0.0539] 0 **	-0.00737 [-0.0436; 0.026] 00	-0.0632 [-0.0922; -0.0309] 00 **	-0.0499 [-0.121; 0.0118] 0
	-0.12 [-0.218; -0.0164] *	-0.0506 [-0.103; 0.00521] 00	-0.0811 [-0.145; -0.0195] 0 *	0.00393 [-0.0443; 0.0466] 00	-0.0741 [-0.119; -0.0269] 0 **	0.0982 [-0.00196; 0.187] 0
	-0.117 [-0.199; -0.0325] 0 **	-0.0181 [-0.0591; 0.0207] 00	-0.109 [-0.175; -0.0507] 0 **	-0.0187 [-0.0656; 0.0269] 00	-0.0523 [-0.0812; -0.017] 00 **	-0.198 [-0.294; -0.106] - **
G.othersp	-0.0403 [-0.225; 0.141]	-0.0312 [-0.121; 0.0495] 0	-0.075 [-0.202; 0.0455] 0	-0.0138 [-0.115; 0.0781] 0	0.0777 [0.00235; 0.15] 0 *	0.24 [0.0483; 0.42] *
	-0.0304 [-0.319; 0.239]	-0.0366 [-0.191; 0.107] 0	0.00467 [-0.171; 0.178] 0	-0.00544 [-0.142; 0.136] 0	-0.00241 [-0.127; 0.121] 0	0.259 [0.0295; 0.471] *
	-0.0502 [-0.318; 0.204]	-0.0258 [-0.15; 0.0924] 0	-0.155 [-0.348; 0.0319]	-0.0223 [-0.158; 0.102] 0	0.158 [0.0679; 0.246] **	0.22 [-0.0757; 0.482]
DominanceG	0.00339 [-0.0972; 0.102] 0	-0.0548 [-0.103; 0.000345] 00	-0.0326 [-0.0984; 0.0373] 00	-0.065 [-0.122; -0.0124] 0 *	-0.0527 [-0.0951; -0.00723] 00 *	-0.213 [-0.329; -0.0928] - **
	0.0482 [-0.0562; 0.154] 0	-0.0517 [-0.106; 0.0102] 00	0.028 [-0.0384; 0.101] 00	-0.0592 [-0.124; 0.00269] 0	-0.101 [-0.149; -0.0511] 0 **	-0.126 [-0.243; -0.0101] *
	-0.0414 [-0.151; 0.0606] 0	-0.0579 [-0.112; -0.00225] 0 *	-0.0932 [-0.168; -0.0189] 0 *	-0.0707 [-0.131; -0.013] 0 *	-0.00439 [-0.0475; 0.0387] 00	-0.299 [-0.428; -0.173] - **

Table SM.34 Analysis of the natural logarithm of the multiplicative effect for tree species richness elevation models, successional then light preference then temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	MF	PF	NF	MF	PF	LT
RS	0.135 [0.0674; 0.201] 0 **	0.000299 [-0.09; 0.0891] 00	-0.154 [-0.237; -0.0685] **	0.12 [0.0761; 0.165] 0 **	0.0168 [-0.0514; 0.08] 00	
	0.0906 [0.000691; 0.175] 0 *	-0.0157 [-0.129; 0.0999] 0	0.00872 [-0.0809; 0.0982] 00	0.0717 [0.0166; 0.131] 0 **	-0.0166 [-0.0932; 0.0656] 00	
	0.179 [0.109; 0.249] + **	0.0163 [-0.0792; 0.108] 0	-0.317 [-0.425; -0.22] -- **	0.168 [0.117; 0.22] + **	0.0502 [-0.0265; 0.13] 0	
	HL	IL	LL	HL	IL	
	-0.229 [-0.325; -0.13] - **	0.0723 [0.00798; 0.14] 0 *	0.082 [-0.00635; 0.171] 0	0.0848 [0.0357; 0.134] 0 **	0.0445 [-0.0567; 0.153] 0	
	-0.0787 [-0.181; 0.019] 0	0.082 [0.00553; 0.162] 0 *	0.0757 [-0.0274; 0.182] 0	0.0493 [-0.00854; 0.115] 0	-0.0414 [-0.167; 0.0902] 0	
	-0.379 [-0.511; -0.255] -- **	0.0625 [-0.0129; 0.14] 0	0.0883 [-0.00566; 0.185] 0	0.12 [0.071; 0.175] 0 **	0.13 [0.0209; 0.251] *	
HT	IT	LT	HT	IT	LT	
-0.112 [-0.237; 0.0159]	0.00179 [-0.0592; 0.065] 00	-0.0771 [-0.161; 0.00996] 0	0.0564 [-0.0197; 0.131] 0	0.0557 [-0.00277; 0.109] 0	0.199 [0.0647; 0.344] **	
-0.00914 [-0.151; 0.133] 0	0.000839 [-0.0782; 0.0809] 00	0.0944 [0.0039; 0.196] 0 *	0.0616 [-0.0314; 0.153] 0	-0.0193 [-0.0854; 0.0495] 00	0.405 [0.256; 0.561] ++ **	
-0.215 [-0.369; -0.0645] **	0.00273 [-0.0693; 0.0676] 00	-0.249 [-0.356; -0.132] - **	0.0512 [-0.0262; 0.13] 0	0.131 [0.067; 0.188] 0 **	-0.00659 [-0.179; 0.165] 0	

Table SM.35 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with reaction, for the species richness of succession groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of reaction, reaction +1 standard deviation and reaction -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
C	0.054 [0.0269; 0.0807] 00 **	-0.0558 [-0.0929; -0.0214] 00 **	-0.102 [-0.137; -0.0697] 0 **	0.0118 [-0.0101; 0.0334] 0	-0.0393 [-0.0704; -0.00939] 00 **
	0.117 [0.0832; 0.153] 0 **	0.0168 [-0.032; 0.062] 0	-0.0439 [-0.0818; -0.00576] 00 *	0.0333 [0.00626; 0.0589] 00 *	0.0124 [-0.0187; 0.0442] 0
	-0.00854 [-0.0545; 0.0336] 0	-0.128 [-0.187; -0.074] 0 **	-0.16 [-0.209; -0.111] - **	-0.00966 [-0.0447; 0.022] 0	-0.0911 [-0.14; -0.0437] 0 **
C.fir	0.0293 [-0.00195; 0.0607] 00	-0.0592 [-0.101; -0.0156] 00 **	-0.0665 [-0.104; -0.0316] 00 **	0.00533 [-0.0181; 0.0294] 00	-0.0278 [-0.0586; 0.00591] 00
	0.0827 [0.0327; 0.13] 0 **	0.0291 [-0.0313; 0.0965] 00	0.0192 [-0.0377; 0.0708] 00	0.0483 [0.0113; 0.0817] 00 **	0.0517 [0.00959; 0.0932] 00 *
	-0.024 [-0.0735; 0.0306] 00	-0.148 [-0.215; -0.0743] **	-0.152 [-0.214; -0.093] - **	-0.0377 [-0.0733; -0.00188] 00 *	-0.107 [-0.164; -0.0552] 0 **
C.spruce	0.0732 [0.0438; 0.107] 0 **	-0.0604 [-0.108; -0.0135] 0 *	-0.155 [-0.199; -0.111] 0 - **	-0.0134 [-0.0379; 0.0118] 00	-0.051 [-0.086; -0.0139] 00 **
	0.133 [0.0921; 0.176] 0 **	-0.000562 [-0.0563; 0.0558] 00	-0.0898 [-0.145; -0.0372] 0 **	0.0244 [-0.00949; 0.0572] 00	0.0129 [-0.028; 0.0544] 00
	0.0137 [-0.0341; 0.0688] 00	-0.12 [-0.194; -0.0515] 0 **	-0.221 [-0.286; -0.15] - **	-0.0512 [-0.0897; -0.0154] 00 **	-0.115 [-0.173; -0.0553] 0 **
C.othersp	0.0252 [0.00113; 0.0513] 00 *	-0.00677 [-0.041; 0.0275] 00	-0.0501 [-0.0867; -0.0152] 00 **	0.0447 [0.0263; 0.0626] 00 **	-0.00665 [-0.0384; 0.0215] 00
	0.0577 [0.0274; 0.0875] 00 **	0.0217 [-0.0178; 0.063] 00	-0.0245 [-0.063; 0.00833] 00	0.0259 [0.00576; 0.0464] 00 *	-0.00581 [-0.0338; 0.0234] 00
	-0.00738 [-0.0537; 0.034] 00	-0.0352 [-0.0969; 0.0206] 00	-0.0757 [-0.136; -0.0175] 0 **	0.0635 [0.0357; 0.0939] 00 **	-0.00749 [-0.0644; 0.0409] 00
DominanceC	-0.0748 [-0.114; -0.0348] 0 **	-0.0782 [-0.132; -0.0218] 0 *	-0.0167 [-0.0689; 0.0376] 00	-0.0835 [-0.115; -0.0518] 0 **	-0.0351 [-0.0814; 0.0117] 00
	-0.0671 [-0.126; -0.00902] 0 *	-0.0533 [-0.121; 0.0124] 0	-0.00194 [-0.0598; 0.0568] 00	-0.0459 [-0.0855; -0.00668] 00 *	0.00832 [-0.0488; 0.0539] 00
	-0.0824 [-0.155; -0.0152] 0 *	-0.103 [-0.197; -0.00949] 0 *	-0.0315 [-0.119; 0.0647] 0	-0.121 [-0.168; -0.0689] 0 **	-0.0785 [-0.156; -0.0053] 0 *

Table SM.36 Analysis of the natural logarithm of the multiplicative effect for basal area-based reaction models, for the species richness of successional groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	MF	PF	NF	MF	PF
G.BT	0.0765 [0.0426; 0.11] 0 **	-0.021 [-0.0704; 0.0353] 00	-0.0801 [-0.128; -0.0317] 0 **	-0.00424 [-0.0313; 0.0246] 00	-0.101 [-0.145; -0.0593] 0 **
	0.142 [0.087; 0.196] 0 **	0.0328 [-0.0445; 0.109] 0	-0.0122 [-0.0816; 0.0592] 00	0.0108 [-0.0365; 0.0555] 00	-0.121 [-0.184; -0.0543] 0 **
	0.011 [-0.0424; 0.0642] 00	-0.0748 [-0.155; 0.000115] 0	-0.148 [-0.223; -0.0703] **	-0.0192 [-0.06; 0.0189] 00	-0.081 [-0.147; -0.0193] 0 **
G.VBT	0.0211 [-0.00589; 0.0439] 00	0.013 [-0.0262; 0.0493] 00	-0.0136 [-0.055; 0.0254] 00	-0.00199 [-0.0264; 0.0212] 00	-0.0177 [-0.0533; 0.0154] 00
	0.0281 [-0.0162; 0.0714] 00	0.0129 [-0.0545; 0.0759] 00	-0.00843 [-0.0757; 0.0535] 00	0.0315 [-0.011; 0.0707] 00	0.0185 [-0.0421; 0.0751] 00
	0.014 [-0.0325; 0.0519] 00	0.0131 [-0.0513; 0.0668] 00	-0.0187 [-0.0826; 0.042] 00	-0.0355 [-0.0737; 0.00174] 00	-0.0538 [-0.12; 0.00521] 0
G.MT	-0.0104 [-0.0415; 0.0225] 00	-0.0999 [-0.15; -0.0558] 0 **	-0.0716 [-0.116; -0.0325] 0 **	-0.00178 [-0.0249; 0.0212] 00	-0.0405 [-0.0746; -0.00489] 00 *
	0.0508 [0.00691; 0.0947] 00 *	-0.0629 [-0.125; 0.00345] 0	-0.0792 [-0.144; -0.0155] 0 *	0.0424 [0.0102; 0.0732] 00 *	0.00364 [-0.0374; 0.0428] 00
	-0.0716 [-0.129; -0.0157] 0 *	-0.137 [-0.208; -0.0709] 0 **	-0.0639 [-0.13; 6.21e-05] 0	-0.046 [-0.0838; -0.0139] 00 **	-0.0847 [-0.138; -0.0302] 0 **
G.ST	-0.0873 [-0.137; -0.0372] 0 **	-0.176 [-0.247; -0.11] - **	-0.123 [-0.192; -0.0586] 0 **	-0.0173 [-0.0513; 0.0147] 00	-0.0732 [-0.123; -0.0296] 0 **
	-0.071 [-0.14; -0.00864] 0 *	-0.152 [-0.245; -0.0716] **	-0.0909 [-0.157; -0.0256] 0 **	-0.00624 [-0.048; 0.0321] 00	-0.033 [-0.0835; 0.0155] 00
	-0.104 [-0.193; -0.0121] 0 *	-0.199 [-0.324; -0.0823] **	-0.156 [-0.267; -0.0561] **	-0.0283 [-0.086; 0.0249] 00	-0.113 [-0.191; -0.034] 0 **
G	0.0289 [0.00336; 0.0532] 00 *	-0.0566 [-0.0897; -0.0192] 00 **	-0.0765 [-0.108; -0.0423] 0 **	-0.00479 [-0.0238; 0.0142] 00	-0.0629 [-0.0869; -0.0355] 00 **
	0.0776 [0.0414; 0.111] 0 **	-0.031 [-0.0763; 0.00888] 00	-0.0615 [-0.103; -0.0203] 00 **	0.0314 [0.00533; 0.0614] 00 *	-0.0289 [-0.0615; 0.00431] 00
	-0.0197 [-0.0631; 0.0216] 00	-0.0822 [-0.138; -0.0233] 0 **	-0.0915 [-0.141; -0.0451] 0 **	-0.041 [-0.0671; -0.0151] 00 **	-0.0969 [-0.139; -0.0536] 0 **
G.fir	0.00515 [-0.0255; 0.0322] 00	-0.0593 [-0.0934; -0.0242] 00 **	-0.0401 [-0.0717; -0.00813] 00 *	-0.00652 [-0.0274; 0.0144] 00	-0.0563 [-0.0895; -0.0226] 00 **
	0.0453 [0.00227; 0.0859] 00 *	-0.0374 [-0.0903; 0.023] 00	-0.0219 [-0.0619; 0.0198] 00	0.0327 [0.00425; 0.0623] 00 *	-0.0216 [-0.0627; 0.0155] 00
	-0.035 [-0.0795; 0.00489] 00	-0.0813 [-0.129; -0.0291] 0 **	-0.0582 [-0.107; -0.00638] 00 *	-0.0458 [-0.0768; -0.0129] 00 **	-0.091 [-0.148; -0.0453] 0 **
G.spruce	0.0578 [0.0265; 0.0915] 00 **	-0.0575 [-0.104; -0.0107] 00 **	-0.141 [-0.193; -0.0937] 0 - **	-0.0279 [-0.0541; -0.00183] 00 *	-0.0899 [-0.129; -0.0474] 0 **
	0.122 [0.0715; 0.167] 0 **	-0.0408 [-0.106; 0.0205] 00	-0.115 [-0.18; -0.053] 0 **	0.0152 [-0.022; 0.0539] 00	-0.0515 [-0.102; -0.00178] 00 *
	-0.00614 [-0.0628; 0.0505] 00	-0.0743 [-0.155; -0.00148] 0 *	-0.168 [-0.245; -0.0944] - **	-0.071 [-0.111; -0.0287] 0 **	-0.128 [-0.194; -0.0659] 0 **
G.othersp	0.0248 [-0.0647; 0.112] 00	-0.0526 [-0.178; 0.074] 0	-0.178 [-0.308; -0.0543] **	0.107 [0.0405; 0.169] 0 **	0.033 [-0.0656; 0.13] 0
	0.0559 [-0.0779; 0.179] 0	0.11 [-0.0668; 0.284]	-0.148 [-0.334; 0.0428]	0.0632 [-0.0223; 0.152] 0	0.00316 [-0.144; 0.131] 0
	-0.00624 [-0.161; 0.137] 0	-0.215 [-0.444; 0.00446]	-0.208 [-0.406; -5.18e-05]	0.151 [0.0412; 0.252] **	0.0629 [-0.103; 0.214] 0
DominanceG	-0.118 [-0.164; -0.0684] 0 **	-0.0432 [-0.121; 0.0357] 0	0.0209 [-0.0488; 0.0917] 00	-0.0595 [-0.0959; -0.0242] 00 **	-0.0369 [-0.084; 0.0144] 00
	-0.16 [-0.244; -0.0877] **	-0.0703 [-0.185; 0.0424] 0	-0.00803 [-0.112; 0.0935] 0	-0.0811 [-0.138; -0.0224] 0 **	-0.0503 [-0.127; 0.0283] 0
	-0.0759 [-0.163; 0.0078] 0	-0.0161 [-0.125; 0.108] 0	0.0498 [-0.0688; 0.161] 0	-0.038 [-0.102; 0.0247] 00	-0.0235 [-0.105; 0.0739] 00

Table SM.37 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with reaction, for the species richness of light preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of reaction, reaction +1 standard deviation and reaction -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
C	-0.144 [-0.179; -0.109] 0 - ** -0.0873 [-0.133; -0.0424] 0 ** -0.201 [-0.255; -0.147] - **	-0.00453 [-0.0332; 0.0251] 0 0.0564 [0.0198; 0.094] 00 ** -0.0655 [-0.107; -0.0217] 0 **	0.0621 [0.0246; 0.1] 00 ** 0.132 [0.0871; 0.181] 0 ** -0.00775 [-0.0627; 0.0538] 0	-0.00367 [-0.0245; 0.0172] 0 0.0308 [0.00821; 0.0537] 00 ** -0.0382 [-0.0728; -0.00646] 00 *	-0.0545 [-0.0991; -0.00952] 00 * -0.00399 [-0.0499; 0.052] 0 -0.105 [-0.173; -0.0321] 0 **
C.fir	-0.108 [-0.148; -0.0665] 0 ** -0.0254 [-0.082; 0.0344] 00 -0.192 [-0.26; -0.128] - **	-0.00607 [-0.0388; 0.0241] 00 0.0575 [0.0155; 0.106] 00 * -0.0697 [-0.121; -0.0201] 0 *	0.0535 [0.0114; 0.0954] 00 ** 0.107 [0.0529; 0.164] 0 ** 0.000187 [-0.064; 0.0613] 00	-0.000668 [-0.0231; 0.0245] 00 0.0568 [0.0258; 0.0867] 00 ** -0.0581 [-0.0927; -0.0226] 00 **	-0.0692 [-0.121; -0.0192] 0 ** 0.0277 [-0.034; 0.0845] 00 -0.166 [-0.245; -0.0739] **
C.spruce	-0.201 [-0.25; -0.156] - ** -0.154 [-0.207; -0.096] - ** -0.248 [-0.33; -0.178] - **	-0.00529 [-0.0387; 0.0261] 00 0.0575 [0.0163; 0.104] 00 ** -0.0681 [-0.121; -0.0165] 0 **	0.0884 [0.0441; 0.132] 0 ** 0.141 [0.084; 0.199] 0 ** 0.0361 [-0.0288; 0.1] 00	-0.0257 [-0.0496; -0.00121] 00 * 0.0258 [-0.00246; 0.0532] 00 -0.0771 [-0.114; -0.0386] 0 **	-0.0833 [-0.134; -0.0297] 0 ** -0.0253 [-0.0837; 0.0337] 00 -0.141 [-0.223; -0.0496] **
C.othersp	-0.0663 [-0.104; -0.0271] 00 ** -0.0417 [-0.0828; 1.52e-05] 00 -0.0909 [-0.146; -0.0347] 0 **	0.00433 [-0.0217; 0.0298] 00 0.0317 [0.0009; 0.0628] 00 * -0.023 [-0.0674; 0.0214] 00	0.00959 [-0.0253; 0.0429] 00 0.0621 [0.0238; 0.103] 00 ** -0.0429 [-0.108; 0.0179] 00	0.0242 [0.00546; 0.0434] 00 ** 0.0133 [-0.00503; 0.0328] 00 0.0352 [0.00405; 0.0661] 00 *	0.0177 [-0.0189; 0.0535] 00 0.0131 [-0.0266; 0.0512] 00 0.0222 [-0.039; 0.0795] 00
DominanceC	0.00102 [-0.0562; 0.0599] 00 0.0138 [-0.0558; 0.084] 00 -0.0118 [-0.106; 0.0881] 00	-0.0717 [-0.112; -0.0304] 0 ** -0.0529 [-0.105; -0.000444] 00 * -0.0904 [-0.16; -0.0248] 0 **	-0.054 [-0.111; 0.00497] 00 -0.0468 [-0.127; 0.0296] 0 -0.0613 [-0.146; 0.0212] 0	-0.0603 [-0.0939; -0.0304] 00 ** -0.0141 [-0.0502; 0.0185] 00 -0.107 [-0.161; -0.0541] 0 **	-0.0955 [-0.158; -0.0319] 0 ** -0.0837 [-0.166; -0.00984] 0 * -0.107 [-0.219; -0.00653] 0 *

Table SM.38 Analysis of the natural logarithm of the multiplicative effect for basal area-based reaction models, light preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody	
	HL	IL	LL	HL	IL
G.BT	-0.117 [-0.176; -0.0614] 0 ** -0.0822 [-0.162; 0.00368] 0 -0.152 [-0.234; -0.0763] **	0.0234 [-0.0177; 0.0589] 00 0.09 [0.0351; 0.147] 0 ** -0.0432 [-0.109; 0.0189] 00	0.0721 [0.0243; 0.119] 0 ** 0.153 [0.0725; 0.236] ** -0.00871 [-0.0836; 0.0692] 00	-0.0344 [-0.0685; -0.00265] 00 * -0.0291 [-0.0741; 0.0184] 00 -0.0398 [-0.0922; 0.0043] 00	-0.0818 [-0.145; -0.017] 0 * -0.0875 [-0.184; 0.0166] 0 -0.076 [-0.171; 0.0191] 0
G.VBT	-0.0134 [-0.0575; 0.0278] 00 -0.0135 [-0.0918; 0.0584] 00 -0.0133 [-0.0713; 0.0457] 00	0.0198 [-0.0088; 0.0449] 00 0.0259 [-0.0169; 0.0725] 00 0.0137 [-0.0375; 0.0621] 00	0.0231 [-0.0134; 0.0626] 00 0.0184 [-0.0464; 0.0864] 00 0.0278 [-0.0319; 0.0873] 00	-0.00704 [-0.0328; 0.0187] 00 0.0267 [-0.0138; 0.0657] 00 -0.0408 [-0.0842; 0.00178] 00	-0.0209 [-0.0702; 0.0307] 00 0.0012 [-0.0845; 0.0877] 00 -0.0431 [-0.131; 0.0422] 0
G.MT	-0.118 [-0.165; -0.0729] 0 ** -0.136 [-0.209; -0.066] 0 ** -0.0995 [-0.164; -0.034] 0 **	-0.0382 [-0.072; -0.00553] 00 * -0.00731 [-0.0532; 0.0394] 00 -0.0691 [-0.125; -0.0105] 0 *	-0.000305 [-0.0461; 0.0446] 00 0.0436 [-0.0183; 0.104] 00 -0.0442 [-0.11; 0.0205] 0	-0.0104 [-0.0348; 0.0137] 00 0.0374 [0.00934; 0.0662] 00 ** -0.0582 [-0.0941; -0.0256] 00 **	-0.0729 [-0.124; -0.0236] 0 ** -0.0247 [-0.096; 0.0488] 00 -0.121 [-0.207; -0.0341] 0 **
G.ST	-0.114 [-0.185; -0.0477] 0 ** -0.0836 [-0.15; -0.0208] 0 * -0.143 [-0.257; -0.0336] **	-0.117 [-0.166; -0.0688] 0 ** -0.099 [-0.161; -0.0461] 0 ** -0.134 [-0.222; -0.0504] **	-0.0913 [-0.158; -0.0281] 0 ** -0.088 [-0.186; -0.000482] 0 * -0.0947 [-0.196; 0.018] 0	-0.0298 [-0.0629; 0.00529] 00 -0.0184 [-0.0551; 0.0198] 00 -0.0411 [-0.0982; 0.0179] 00	-0.0867 [-0.164; -0.0185] 0 ** -0.0234 [-0.108; 0.0622] 00 -0.15 [-0.283; -0.0265] **
G	-0.109 [-0.142; -0.0768] 0 ** -0.106 [-0.153; -0.0566] 0 ** -0.112 [-0.16; -0.065] 0 **	-0.00984 [-0.0341; 0.0144] 00 0.0214 [-0.0106; 0.0531] 00 -0.041 [-0.0802; -0.00217] 00 *	0.0314 [-0.00276; 0.0662] 00 0.0744 [0.025; 0.125] 0 ** -0.0116 [-0.0615; 0.0369] 00	-0.021 [-0.0413; -0.00106] 00 * 0.0135 [-0.011; 0.0357] 00 -0.0555 [-0.0832; -0.0279] 00 **	-0.0708 [-0.11; -0.0339] 0 ** -0.0402 [-0.0905; 0.0105] 00 -0.101 [-0.161; -0.0394] 0 **
G.fir	-0.0685 [-0.105; -0.0318] 00 ** -0.056 [-0.106; -0.00841] 00 * -0.081 [-0.133; -0.034] 0 **	-0.0117 [-0.0378; 0.0132] 00 0.0129 [-0.0237; 0.0513] 00 -0.0362 [-0.0761; 0.00405] 00	0.0195 [-0.0171; 0.0536] 00 0.0524 [-0.00063; 0.104] 00 -0.0133 [-0.0612; 0.0386] 00	-0.0163 [-0.0359; 0.00294] 00 0.0195 [-0.00963; 0.0466] 00 -0.0521 [-0.081; -0.0233] 00 **	-0.0856 [-0.131; -0.0438] 0 ** -0.0405 [-0.0918; 0.00976] 00 -0.131 [-0.199; -0.0671] 0 **
G.spruce	-0.181 [-0.239; -0.125] - ** -0.193 [-0.262; -0.12] - ** -0.17 [-0.257; -0.0849] **	-0.00608 [-0.0394; 0.028] 00 0.04 [-0.0141; 0.0856] 00 -0.0521 [-0.108; 0.0109] 00	0.0702 [0.0283; 0.109] 0 ** 0.115 [0.053; 0.179] 0 ** 0.0255 [-0.0411; 0.0878] 00	-0.0455 [-0.07; -0.0203] 00 ** 0.00211 [-0.0338; 0.0375] 00 -0.093 [-0.134; -0.0527] 0 **	-0.0967 [-0.142; -0.0488] 0 ** -0.105 [-0.18; -0.0298] 0 ** -0.0885 [-0.172; -0.0123] 0 *
G.othersp	-0.169 [-0.312; -0.0281] * -0.136 [-0.347; 0.0606] -0.203 [-0.42; 0.00679]	-0.0216 [-0.113; 0.0708] 0 0.0278 [-0.111; 0.161] 0 -0.071 [-0.233; 0.0944]	-0.0658 [-0.183; 0.0487] 0 0.039 [-0.131; 0.21] 0 -0.171 [-0.377; 0.0141]	0.0581 [-0.0029; 0.119] 0 0.00296 [-0.0958; 0.0983] 00 0.113 [0.00987; 0.21] 0 *	0.195 [0.0686; 0.325] ** 0.128 [-0.0712; 0.324] 0.262 [0.0744; 0.465] **
DominanceG	0.0534 [-0.0171; 0.126] 0 0.0287 [-0.0789; 0.144] 0 0.078 [-0.0414; 0.202] 0	-0.0873 [-0.136; -0.0274] 0 ** -0.126 [-0.206; -0.0521] 0 ** -0.0485 [-0.128; 0.0332] 0	-0.0978 [-0.162; -0.0398] 0 ** -0.128 [-0.229; -0.0259] ** -0.068 [-0.181; 0.0402] 0	-0.0528 [-0.0912; -0.00977] 00 ** -0.0533 [-0.113; 0.00331] 0 -0.0522 [-0.116; 0.0199] 0	-0.0435 [-0.124; 0.0352] 0 -0.096 [-0.213; 0.024] 0 0.00907 [-0.13; 0.153] 0

Table SM.39 Analysis of the natural logarithm of the multiplicative effect for models involving tree cover data, in interaction with reaction, for the species richness of temperature preference groups. Variables are those involved in models described in Table 2 (for C and G the coefficients are estimated in the simple models C and G). Each of the three lines for each variable corresponds to, respectively, mean level of reaction, reaction +1 standard deviation and reaction -1 standard deviation. The first value of each cell corresponds to the mean value of the coefficient, then the interval corresponds to the 95% confidence interval and finally some notations describe the magnitude of the effect and significance of the test, as explained in section 2.3.2 “Analysis of model results”.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
C	-0.0887 [-0.139; -0.0354] 0 **	-0.0288 [-0.0572; -0.00333] 00 *	-0.085 [-0.12; -0.0511] 0 **	-0.0127 [-0.0479; 0.0196] 0	-0.00843 [-0.034; 0.0167] 0	-0.0349 [-0.0911; 0.0264] 0
	-0.0324 [-0.0969; 0.0387] 0	0.0289 [-0.00425; 0.0632] 0	-0.0227 [-0.066; 0.0198] 0	0.00458 [-0.0357; 0.0406] 0	0.0315 [0.00396; 0.0574] 00 *	-0.0347 [-0.108; 0.0475] 0
	-0.145 [-0.222; -0.0628] **	-0.0864 [-0.13; -0.0486] 0 **	-0.147 [-0.199; -0.097] 0 - **	-0.03 [-0.081; 0.0206] 0	-0.0484 [-0.0917; -0.00873] 00 *	-0.0351 [-0.121; 0.0568] 0
C.fir	-0.0663 [-0.122; -0.00235] 0 *	-0.0282 [-0.0567; 0.00277] 00	-0.0578 [-0.0957; -0.0217] 00 **	0.000868 [-0.038; 0.0426] 00	-0.0105 [-0.0404; 0.0169] 00	-0.0663 [-0.137; 0.00954] 0
	0.00368 [-0.0727; 0.0856] 00	0.0395 [-0.00493; 0.0856] 00	0.0165 [-0.0418; 0.0771] 00	0.0278 [-0.021; 0.0844] 00	0.0676 [0.0328; 0.105] 00 **	-0.0591 [-0.162; 0.0393] 0
	-0.136 [-0.225; -0.0533] **	-0.0959 [-0.144; -0.0407] 0 **	-0.132 [-0.191; -0.0701] 0 **	-0.026 [-0.0845; 0.0364] 00	-0.0886 [-0.143; -0.0426] 0 **	-0.0735 [-0.173; 0.0329] 0
C.spruce	-0.121 [-0.18; -0.0552] 0 **	-0.0377 [-0.0678; -0.00542] 00 *	-0.105 [-0.146; -0.0605] 0 **	-0.0223 [-0.0612; 0.0152] 00	-0.0377 [-0.0678; -0.0115] 00 **	-0.0182 [-0.0863; 0.0517] 00
	-0.0567 [-0.132; 0.0177] 0	0.0143 [-0.0256; 0.053] 00	-0.0413 [-0.0921; 0.0101] 00	0.0066 [-0.036; 0.0553] 00	0.0249 [-0.00926; 0.0588] 00	-0.0093 [-0.0991; 0.088] 00
	-0.185 [-0.29; -0.0741] **	-0.0897 [-0.138; -0.0361] 0 **	-0.17 [-0.238; -0.103] - **	-0.0512 [-0.109; 0.00993] 0	-0.1 [-0.152; -0.0556] 0 **	-0.0272 [-0.123; 0.0692] 0
C.othersp	-0.0379 [-0.0868; 0.0103] 00	-0.00347 [-0.0278; 0.0223] 00	-0.0575 [-0.0968; -0.0218] 00 **	-0.0103 [-0.039; 0.0211] 00	0.0333 [0.0124; 0.0545] 00 **	-0.00496 [-0.063; 0.0539] 00
	-0.0223 [-0.0814; 0.0376] 00	0.022 [-0.00813; 0.0521] 00	-0.0197 [-0.0621; 0.0201] 00	-0.0109 [-0.0441; 0.0229] 00	0.0174 [-0.00565; 0.0383] 00	-0.0261 [-0.0997; 0.0488] 00
	-0.0535 [-0.141; 0.028] 0	-0.029 [-0.0716; 0.0151] 00	-0.0953 [-0.151; -0.0339] 0 **	-0.00968 [-0.0577; 0.0397] 00	0.0493 [0.0175; 0.0824] 00 **	0.0162 [-0.0714; 0.1] 00
DominanceC	-0.037 [-0.107; 0.0348] 00	-0.0571 [-0.0989; -0.0157] 00 **	-0.00331 [-0.0585; 0.0534] 00	-0.0345 [-0.0818; 0.016] 00	-0.0639 [-0.0993; -0.0316] 00 **	-0.119 [-0.193; -0.0309] 0 **
	-0.0202 [-0.126; 0.0786] 0	-0.0418 [-0.0922; 0.00864] 00	0.0145 [-0.056; 0.0886] 00	-0.0391 [-0.0879; 0.0127] 00	-0.00715 [-0.0538; 0.0335] 00	-0.105 [-0.22; 0.000292] 0
	-0.0537 [-0.177; 0.064] 0	-0.0725 [-0.143; 0.00246] 0	-0.0211 [-0.112; 0.0713] 0	-0.0299 [-0.104; 0.053] 00	-0.121 [-0.174; -0.0712] 0 **	-0.132 [-0.245; -0.0068] *

Table SM.40 Analysis of the natural logarithm of the multiplicative effect for basal area-based reaction models, temperature preference groups. Variables are those involved in models described in Table 2. The notation is an in the previous table.

Model variable	Herbaceous			Woody		
	HT	IT	LT	HT	IT	LT
G.BT	-0.0476 [-0.125; 0.0305] 0 0.00699 [-0.0996; 0.12] 0 -0.102 [-0.214; -0.00067] 0 *	-0.00865 [-0.0416; 0.024] 00 0.0574 [-0.00135; 0.111] 0 -0.0746 [-0.129; -0.016] 0 *	-0.0407 [-0.0932; 0.0133] 00 0.011 [-0.0655; 0.0877] 00 -0.0925 [-0.165; -0.0165] 0 *	0.00279 [-0.0317; 0.0375] 00 0.021 [-0.0387; 0.0775] 00 -0.0154 [-0.0694; 0.0422] 00	-0.0534 [-0.089; -0.022] 00 ** -0.0531 [-0.109; -0.00243] 00 * -0.0538 [-0.109; -0.00241] 0 *	0.00577 [-0.0797; 0.0906] 00 0.0134 [-0.118; 0.162] 0 -0.00187 [-0.113; 0.106] 0
G.VBT	-0.00154 [-0.0631; 0.0534] 00 -0.0121 [-0.122; 0.0843] 00 0.00906 [-0.0644; 0.0847] 00	0.0118 [-0.016; 0.0388] 00 0.0218 [-0.0239; 0.0683] 00 0.00176 [-0.0479; 0.0479] 00	0.00754 [-0.0348; 0.0438] 00 0.000182 [-0.0664; 0.0593] 00 0.0149 [-0.0406; 0.0658] 00	-0.0113 [-0.0474; 0.0278] 00 0.0388 [-0.0226; 0.0999] 00 -0.0614 [-0.124; 0.00114] 0	-0.0142 [-0.0412; 0.0143] 00 0.00725 [-0.0398; 0.0559] 00 -0.0357 [-0.0823; 0.0116] 00	-0.0247 [-0.0975; 0.0394] 00 0.0431 [-0.0708; 0.144] 0 -0.0926 [-0.2; 0.0216] 0
G.MT	-0.109 [-0.179; -0.0444] 0 ** -0.108 [-0.202; -0.0132] 0 * -0.111 [-0.207; -0.0199] 0 *	-0.0546 [-0.0886; -0.0209] 00 ** -0.028 [-0.0753; 0.0179] 00 -0.0813 [-0.131; -0.0268] 0 **	-0.0674 [-0.113; -0.0206] 0 ** -0.0712 [-0.134; -0.00111] 0 * -0.0635 [-0.137; -0.00207] 0 *	-0.0124 [-0.0467; 0.0267] 00 0.0176 [-0.0303; 0.0695] 00 -0.0424 [-0.0981; 0.0151] 00	-0.0202 [-0.0475; 0.00972] 00 0.0358 [-0.00244; 0.0762] 00 -0.0762 [-0.12; -0.0338] 0 **	-0.0602 [-0.133; 0.00785] 0 -0.0297 [-0.132; 0.0755] 0 -0.0907 [-0.197; 0.0122] 0
G.ST	-0.165 [-0.265; -0.0655] ** -0.168 [-0.301; -0.0418] ** -0.162 [-0.324; -0.0074] *	-0.119 [-0.165; -0.0703] 0 ** -0.0969 [-0.152; -0.0417] 0 ** -0.141 [-0.22; -0.0663] **	-0.113 [-0.179; -0.0461] 0 ** -0.0711 [-0.144; -0.00444] 0 * -0.156 [-0.268; -0.0563] **	-0.0209 [-0.0726; 0.0287] 00 -0.0284 [-0.0805; 0.0239] 00 -0.0134 [-0.1; 0.0688] 00	-0.0332 [-0.071; 0.00741] 00 -0.00552 [-0.0514; 0.0325] 00 -0.0608 [-0.131; 0.00542] 0	-0.173 [-0.284; -0.0541] ** -0.224 [-0.389; -0.0629] ** -0.122 [-0.312; 0.0777]
G	-0.0763 [-0.119; -0.0324] 0 ** -0.0674 [-0.127; -0.00625] 0 * -0.0853 [-0.153; -0.0207] 0 *	-0.0314 [-0.0523; -0.0079] 00 ** -0.00306 [-0.0333; 0.0291] 00 -0.0597 [-0.0974; -0.024] 00 **	-0.0505 [-0.0828; -0.0186] 00 ** -0.0373 [-0.0812; 0.00869] 00 -0.0638 [-0.11; -0.0113] 0 *	-0.0108 [-0.0383; 0.0143] 00 0.0134 [-0.0223; 0.0443] 00 -0.035 [-0.0748; 0.00822] 00	-0.0325 [-0.054; -0.0119] 00 ** 0.00637 [-0.0231; 0.0351] 00 -0.0713 [-0.106; -0.036] 0 **	-0.0408 [-0.0895; 0.00932] 00 -0.024 [-0.102; 0.0569] 00 -0.0576 [-0.138; 0.0237] 0
G.fir	-0.0591 [-0.109; -0.00875] 0 * -0.0469 [-0.116; 0.0189] 0 -0.0713 [-0.144; 0.003] 0	-0.0279 [-0.0575; 0.000423] 00 -0.00246 [-0.0447; 0.0342] 00 -0.0534 [-0.0974; -0.00646] 00 *	-0.0292 [-0.062; 0.0053] 00 -0.0118 [-0.0577; 0.0346] 00 -0.0466 [-0.0952; 0.00644] 00	-0.00432 [-0.0338; 0.0251] 00 0.0303 [-0.00999; 0.0712] 00 -0.039 [-0.0839; 0.0117] 00	-0.0299 [-0.0536; -0.00631] 00 * 0.0114 [-0.024; 0.0432] 00 -0.0711 [-0.104; -0.0371] 00 **	-0.0751 [-0.138; -0.0199] 0 * -0.0601 [-0.152; 0.0262] 0 -0.0901 [-0.18; -0.00532] 0 *
G.spruce	-0.115 [-0.183; -0.0495] 0 ** -0.09 [-0.189; 0.0099] 0 -0.139 [-0.251; -0.04] **	-0.0366 [-0.0692; -0.00645] 00 * -0.00627 [-0.0545; 0.041] 00 -0.067 [-0.122; -0.0132] 0 *	-0.0829 [-0.135; -0.0273] 0 ** -0.0505 [-0.121; 0.0184] 0 -0.115 [-0.193; -0.0332] 0 **	-0.018 [-0.0552; 0.0164] 00 0.0406 [-0.00127; 0.0853] 00 -0.0766 [-0.134; -0.0154] 0 **	-0.0651 [-0.0929; -0.0338] 00 ** -0.0245 [-0.0636; 0.0152] 00 -0.106 [-0.151; -0.061] 0 **	-0.035 [-0.111; 0.0399] 0 -0.0167 [-0.125; 0.0863] 0 -0.0533 [-0.182; 0.0701] 0
G.othersp	-0.055 [-0.239; 0.117] 0 -0.0772 [-0.338; 0.198] -0.0328 [-0.285; 0.214]	-0.0452 [-0.128; 0.0387] 0 0.0324 [-0.1; 0.164] 0 -0.123 [-0.265; 0.0238]	-0.113 [-0.237; 0.0105] -0.0924 [-0.293; 0.0985] -0.133 [-0.34; 0.0786]	-0.00735 [-0.0998; 0.0832] 00 -0.182 [-0.31; -0.0474] ** 0.168 [0.0297; 0.306] *	0.09 [0.0116; 0.16] 0 * 0.0484 [-0.0495; 0.15] 0 0.132 [0.00611; 0.253] *	0.191 [-0.000493; 0.388] 0.0552 [-0.26; 0.375] 0.327 [0.0575; 0.582] *
DominanceG	0.00394 [-0.0992; 0.102] 0 0.00789 [-0.155; 0.162] 0 -9.63e-06 [-0.136; 0.151] 0	-0.0481 [-0.102; 0.00899] 00 -0.0875 [-0.162; -0.00658] 0 * -0.0087 [-0.0976; 0.0772] 00	-0.0222 [-0.0905; 0.0529] 00 -0.0569 [-0.159; 0.053] 0 0.0126 [-0.0979; 0.123] 0	-0.0602 [-0.118; -0.00409] 0 * -0.0953 [-0.179; -0.0151] 0 * -0.0251 [-0.117; 0.0725] 0	-0.0263 [-0.0702; 0.0177] 00 -0.0351 [-0.0964; 0.0298] 00 -0.0175 [-0.091; 0.0489] 00	-0.205 [-0.319; -0.101] - ** -0.204 [-0.396; -0.024] * -0.207 [-0.378; -0.0556] *

Table SM.41 Analysis of the natural logarithm of the multiplicative effect for tree species richness reaction models, successional then light preference then temperature preference groups. Variables are those involved in models described in Table 2. The notation is as in the previous table.

Model variable	Herbaceous			Woody		
	MF	PF	NF	MF	PF	LT
RS	0.132 [0.0697; 0.192] 0 **	-0.00831 [-0.108; 0.0861] 00	-0.15 [-0.239; -0.0708] **	0.135 [0.091; 0.18] 0 **	0.0227 [-0.0423; 0.0914] 00	
	0.211 [0.122; 0.307] + **	0.0963 [-0.0328; 0.206] 0	-0.0962 [-0.225; 0.0219]	0.0975 [0.0382; 0.163] 0 **	0.00163 [-0.0789; 0.0931] 00	
	0.0528 [-0.0566; 0.164] 0	-0.113 [-0.255; 0.0343]	-0.205 [-0.339; -0.0627] **	0.173 [0.0972; 0.253] + **	0.0437 [-0.0827; 0.169] 0	
	HL	IL	LL	HL	IL	
	-0.222 [-0.32; -0.12] - **	0.059 [-0.00622; 0.134] 0	0.0672 [-0.0238; 0.149] 0	0.1 [0.0524; 0.147] 0 **	0.0632 [-0.044; 0.183] 0	
	-0.191 [-0.333; -0.0543] **	0.138 [0.0448; 0.235] **	0.193 [0.0718; 0.312] **	0.0594 [-0.000511; 0.124] 0	0.0802 [-0.0629; 0.221] 0	
	-0.253 [-0.402; -0.104] - **	-0.0202 [-0.127; 0.103] 0	-0.0585 [-0.214; 0.0763] 0	0.141 [0.0639; 0.228] **	0.0462 [-0.123; 0.256]	
	HT	IT	LT	HT	IT	LT
	-0.111 [-0.246; 0.00934]	-0.00778 [-0.0699; 0.0612] 00	-0.0608 [-0.159; 0.0378] 0	0.0546 [-0.0143; 0.127] 0	0.0832 [0.031; 0.138] 0 **	0.209 [0.0772; 0.341] **
-0.0979 [-0.281; 0.089]	0.0752 [-0.0157; 0.164] 0	-0.0106 [-0.138; 0.111] 0	0.0157 [-0.0837; 0.12] 0	0.0511 [-0.0231; 0.118] 0	0.111 [-0.105; 0.323]	
-0.125 [-0.309; 0.0843]	-0.0908 [-0.199; 0.0155] 0	-0.111 [-0.266; 0.0519]	0.0935 [-0.0183; 0.213] 0	0.115 [0.0247; 0.214] 0 **	0.308 [0.116; 0.513] + **	

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