

Height growth of *Quercus petraea* coppices: Effects of tree type, stand management, and site conditions – A case study from the Czech lowlands

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Electronic Supplementary Material (ESM)

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Table S1. Statistical characteristics of groups from multiple pairwise comparisons (Tukey's HSD test) according to management type and tree type

Groups (Tukey test)	Management (manag_status)	Tree type (object_detail)	Mean height (m)	SD (m)	Number (pcs)	SE (m)	Min. (m)	Max. (m)	Median (m)
a	managed	standard_tree	21.80	3.62	593	0.13	12.6	35.3	21.9
b	unmanaged	standard_tree	20.25	1.86	62	0.41	16.3	26.7	20.2
b	unmanaged	double_stem	19.73	2.49	68	0.39	15.0	25.6	20.2
b	unmanaged	single_stem	19.64	2.12	91	0.34	14.9	24.8	19.7
c	managed	single_stem	18.08	3.08	185	0.24	10.1	31.8	18.2
cd	unmanaged	triple_stem	18.07	1.93	26	0.63	13.6	22.0	18.1
cd	managed	double_stem	18.05	2.98	171	0.25	9.9	27.3	17.8
d	managed	triple_stem	15.97	3.57	43	0.49	8.4	27.0	15.9

SD – standard deviation; SE – standard error; pcs – pieces

Table S2. Statistical characteristics of the target height categories of *Q. petraea* agg. used in the multinomial logistic regression model

Height category (quartile)	Number (pcs)	Min. (m)	Max. (m)	Average (m)	Median (m)	SD (m)
Q1 (low)	310	8.4	17.6	15.6	16.1	1.73
Q2 (medium-low)	310	17.7	19.8	18.8	18.9	0.65
Q3 (medium-high)	313	19.9	22.5	21.1	21.0	0.78
Q4 (high)	306	22.6	35.3	24.8	24.2	2.28

SD – standard deviation; pcs – pieces

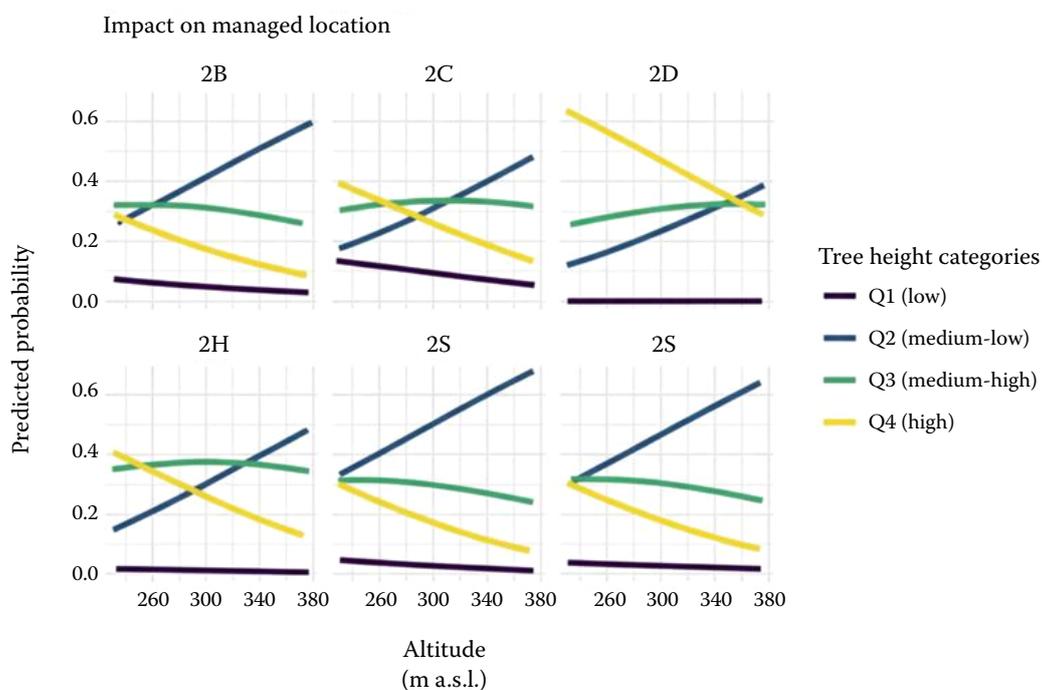


Figure S1. Prediction of tree height categories depending on altitude, management status and forest type (sft)

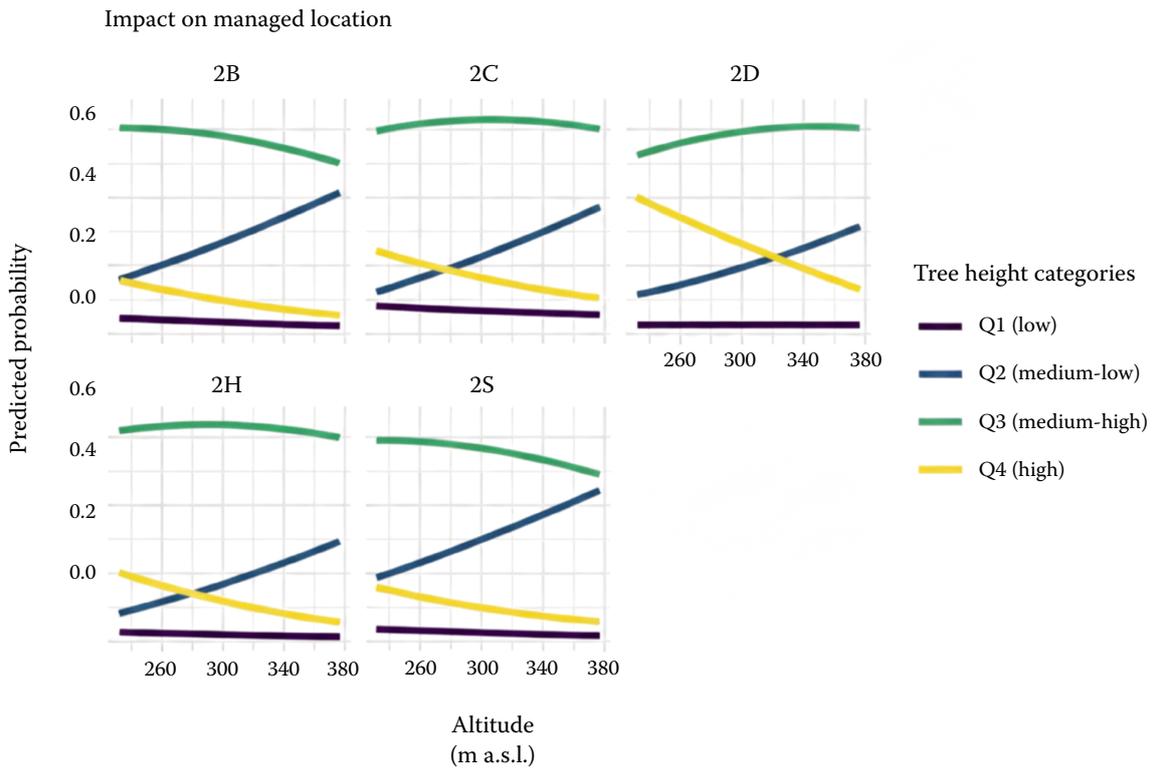


Figure S2. Prediction of tree height categories depending on altitude, management status and forest type (sft)

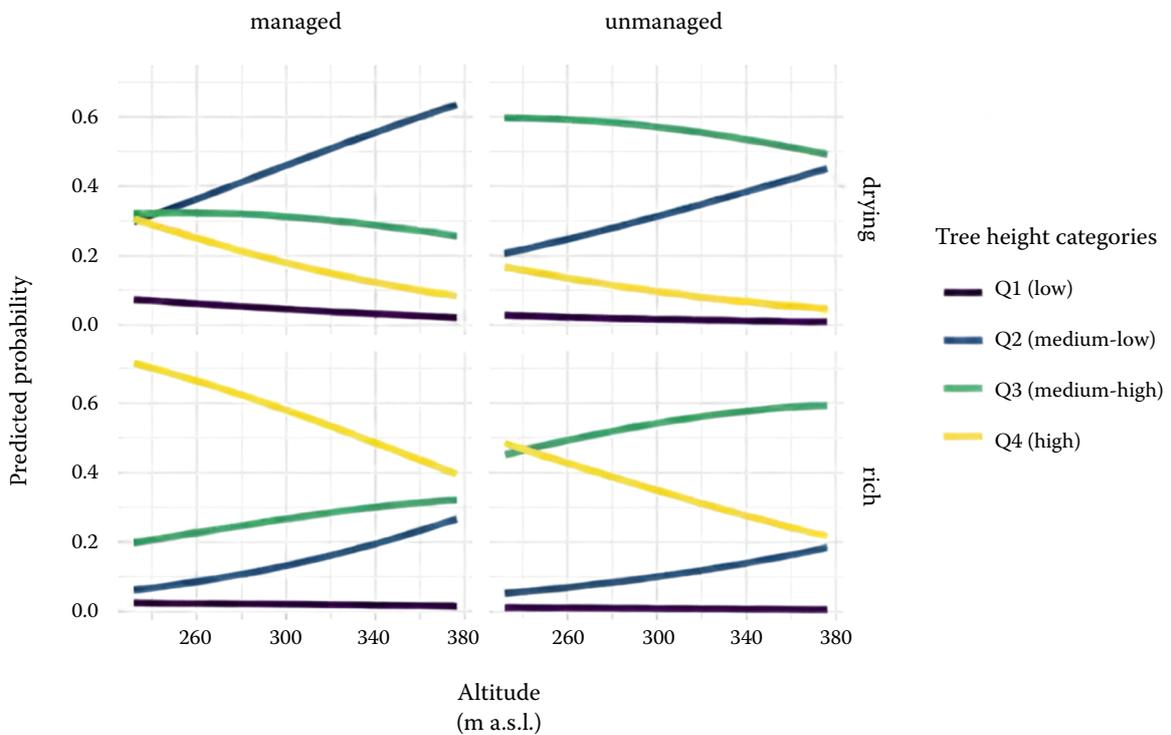


Figure S3. Prediction of tree height categories based on altitude, management status and forest habitat (sft_agg)

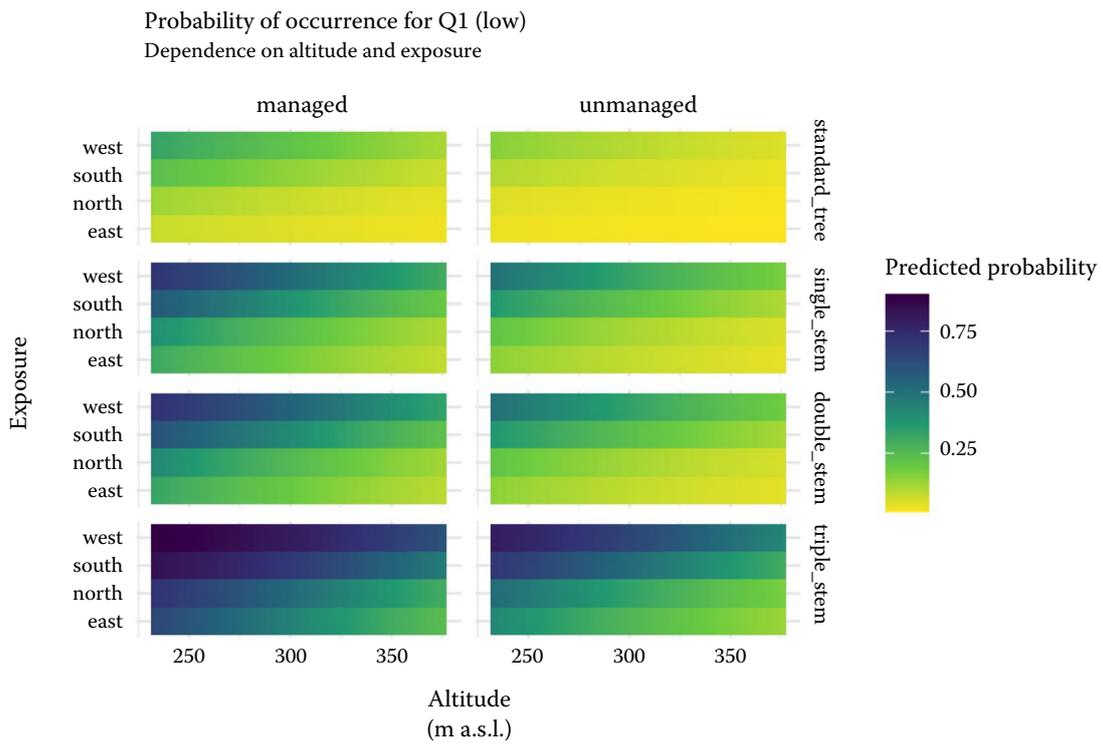


Figure S4. Probability of occurrence for the Q1 tree height category (low) based on altitude, exposure, management status and tree type (object_detail)

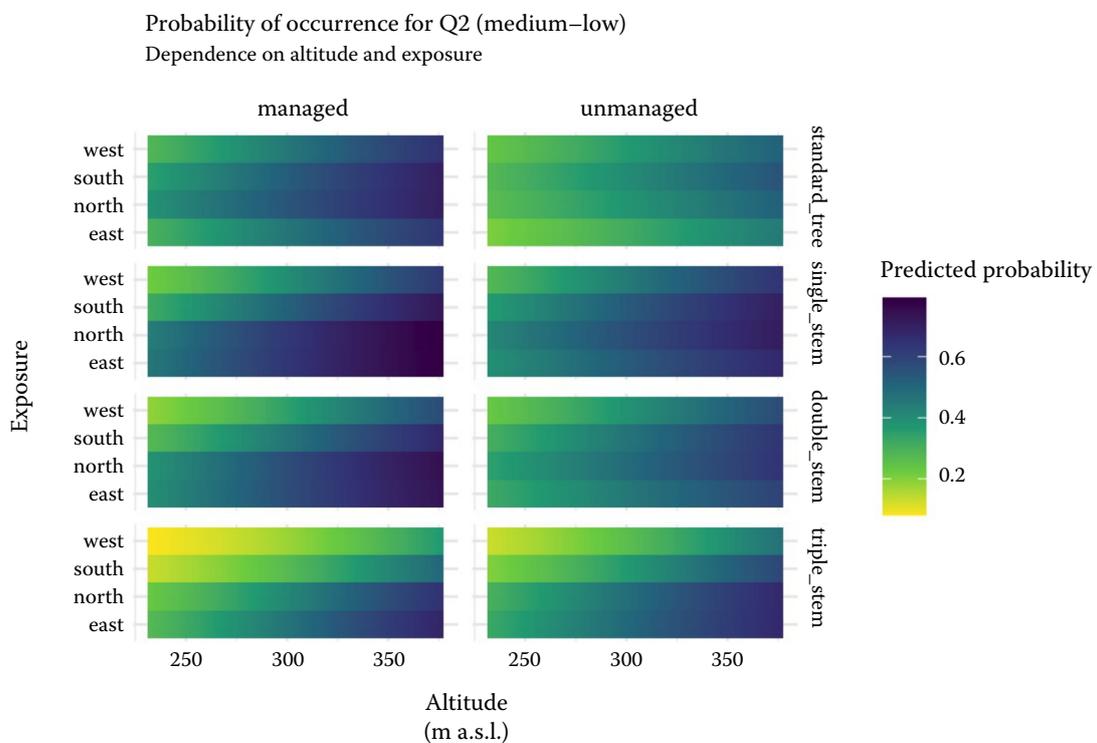


Figure S5. Probability of occurrence for the tree height category Q2 (medium–low) based on altitude, exposure, management status and tree type (object_detail)

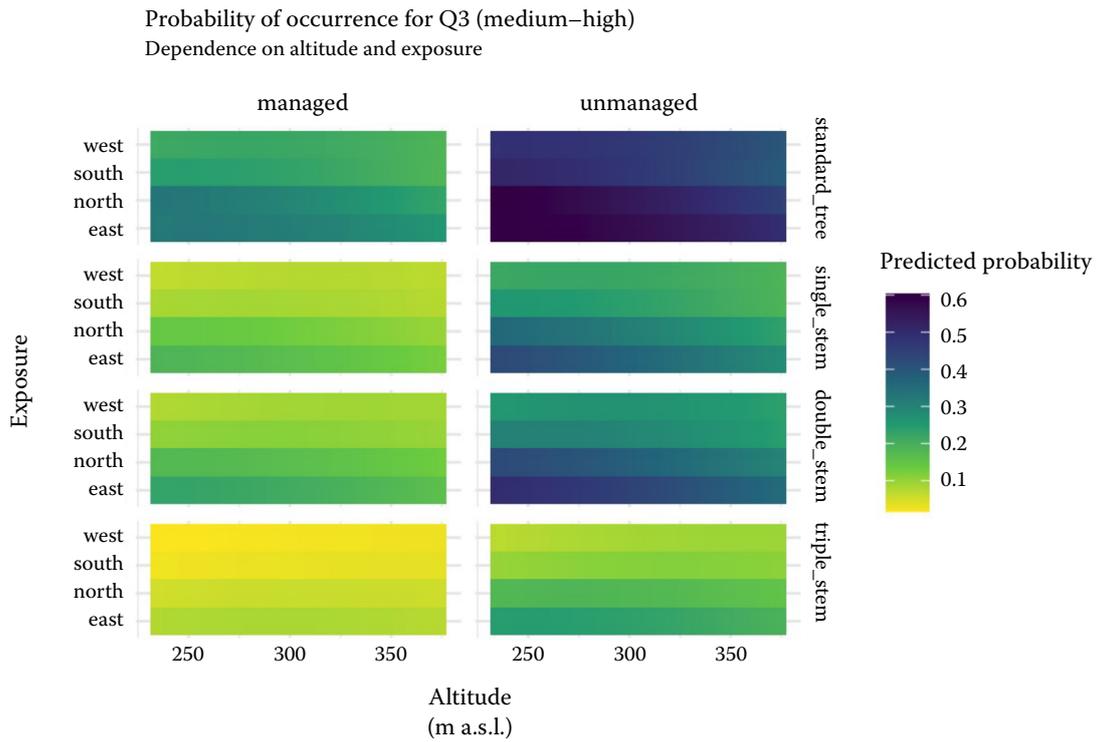


Figure S6. Probability of occurrence for the tree height category Q3 (medium–high) based on altitude, exposure, management status and tree type (object_detail)

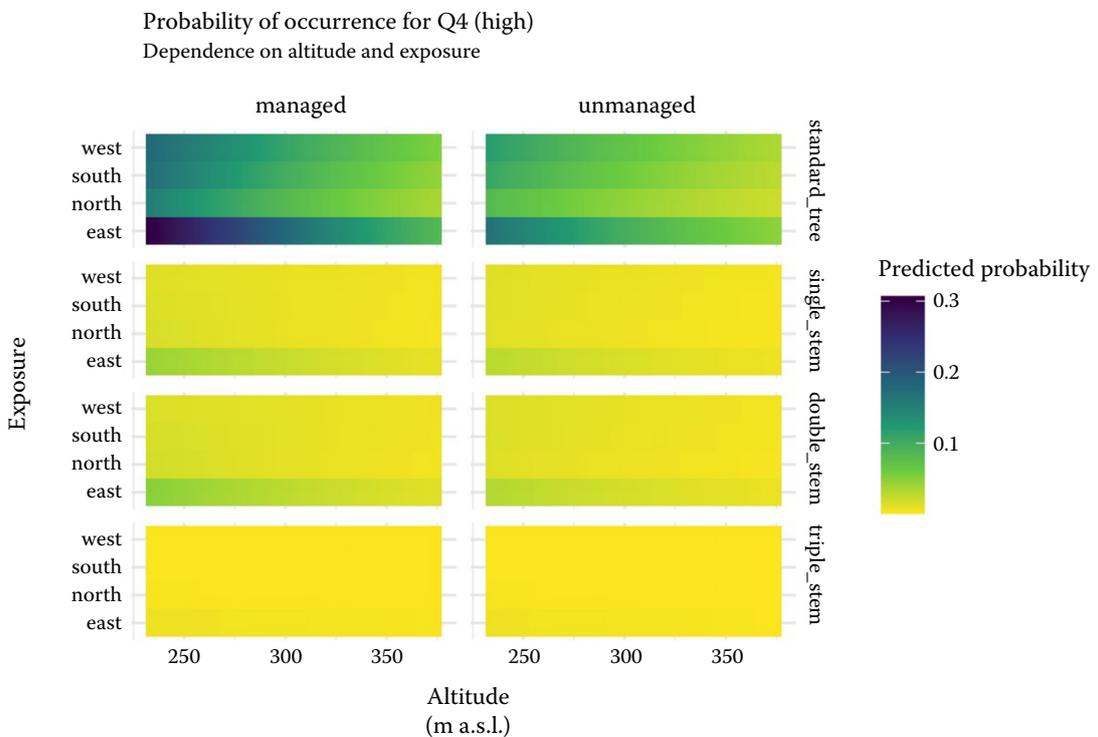


Figure S7. Probability of occurrence for the tree height category Q4 (high) based on altitude, exposure, management status and tree type (object_detail)

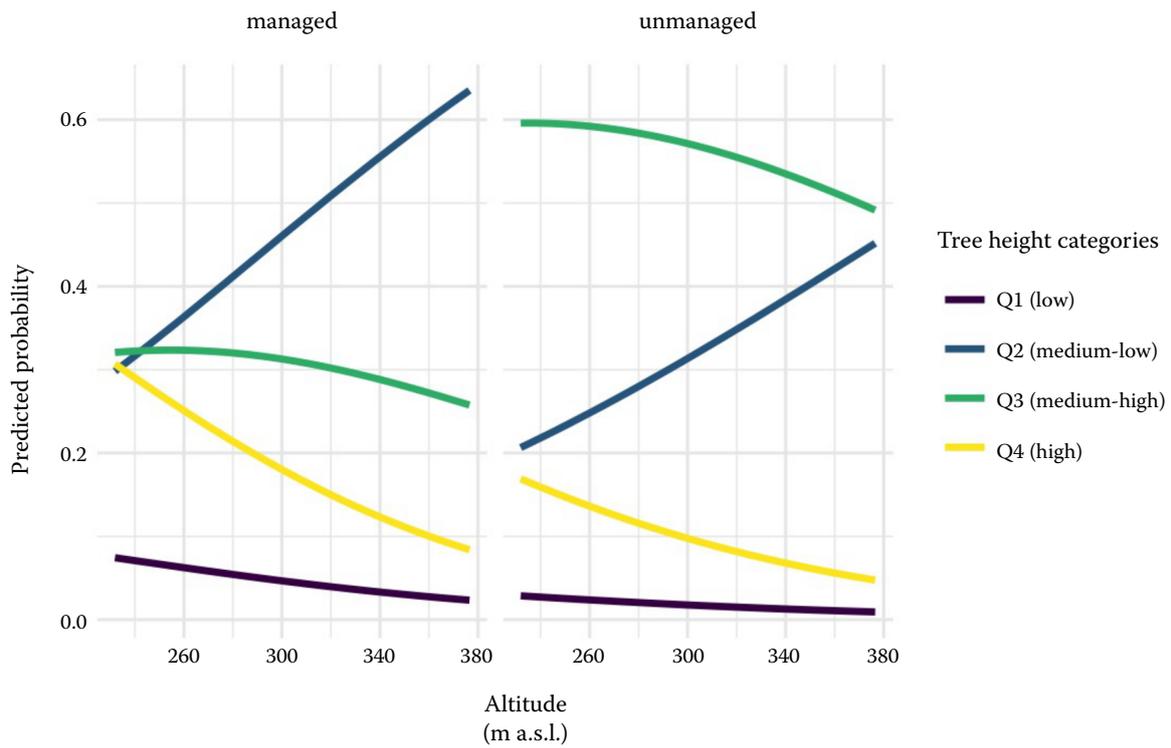


Figure S8. Prediction of tree height categories depending on altitude and management status

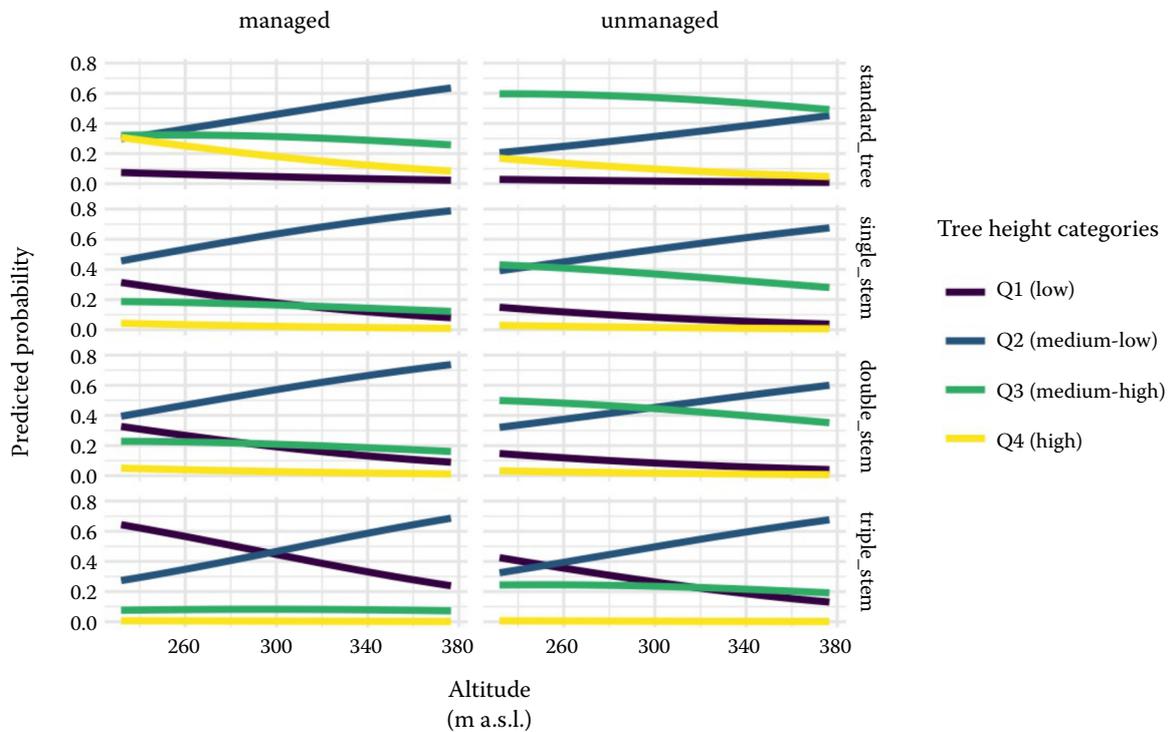


Figure S9. Prediction of tree height categories based on altitude, management status and tree type (object_detail)

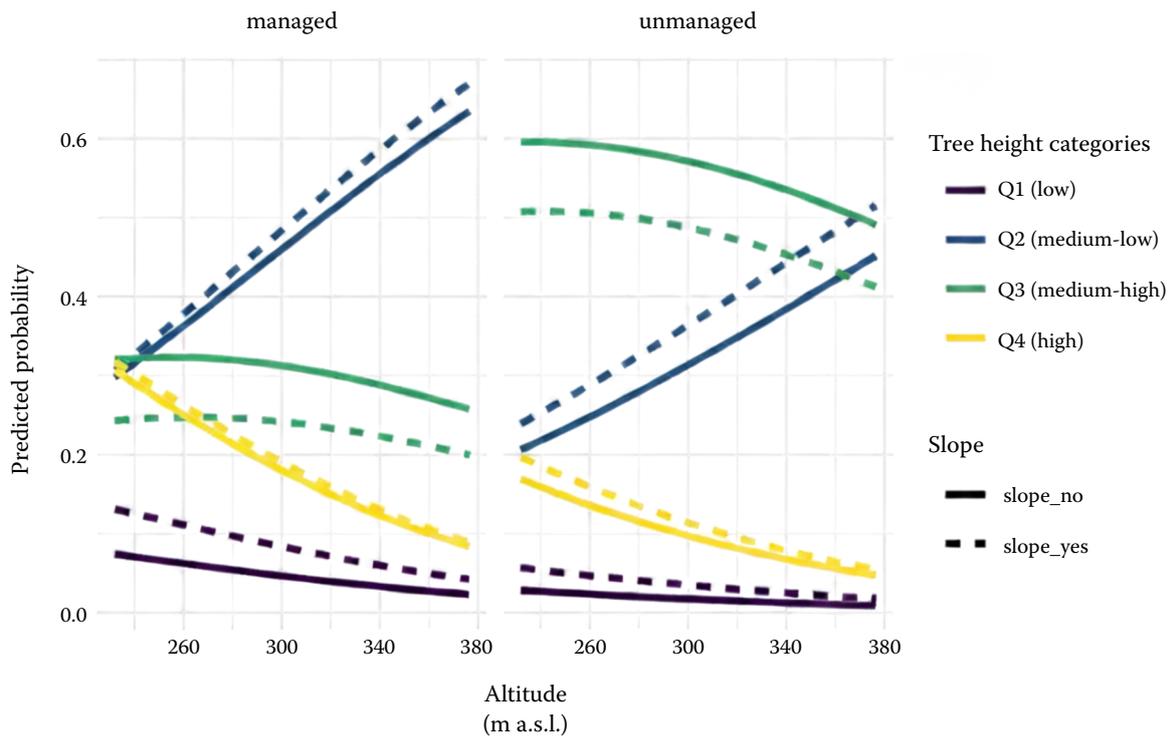


Figure S10. Prediction of tree height categories based on altitude, management status and slope