

## Supplementary materials

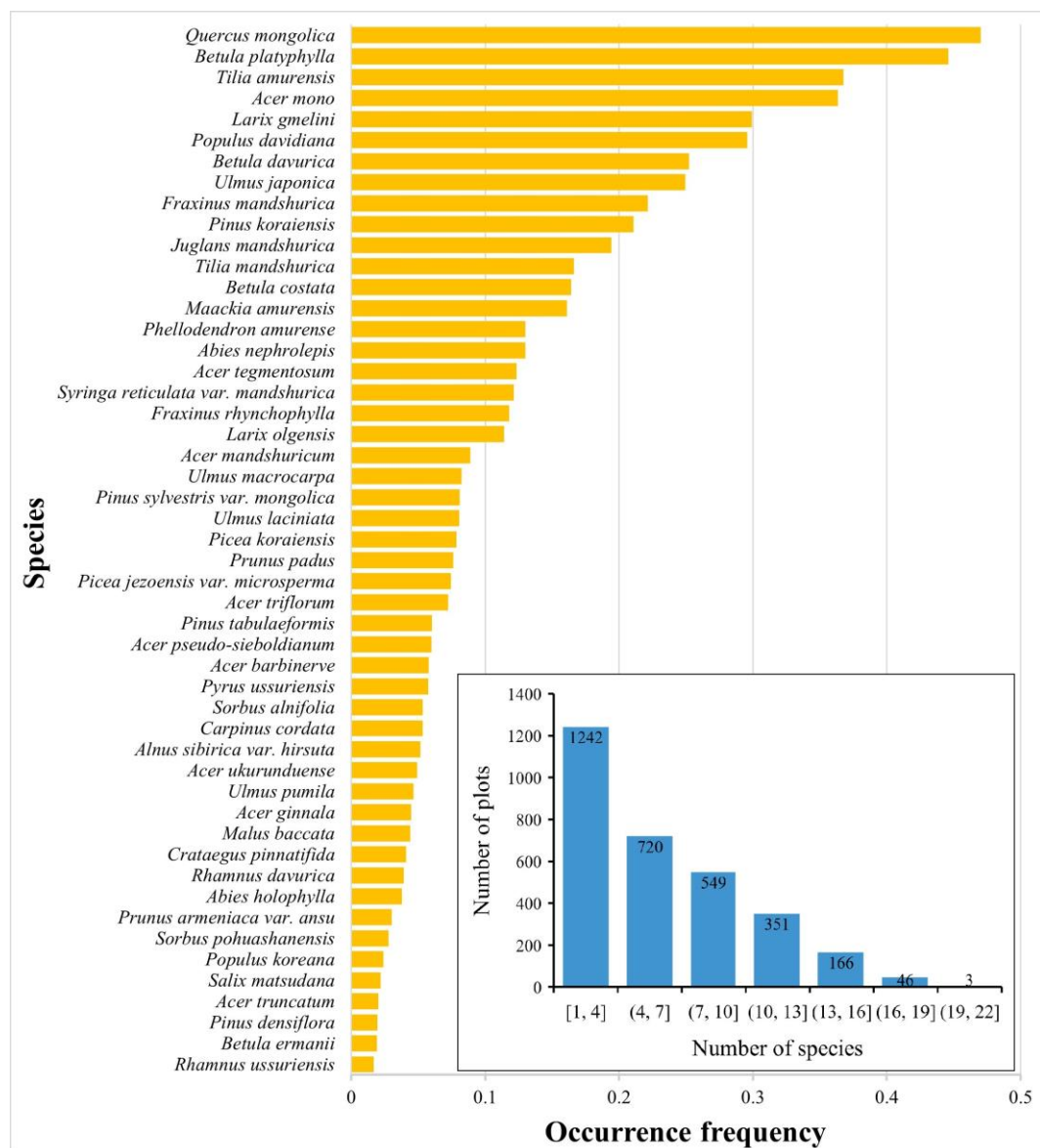


Figure S1 Frequency occurrences of top 50 of 155 species abundance distribution in the 3077 forest plots. The inset histogram is the species-richness distribution of the 3077 plots.

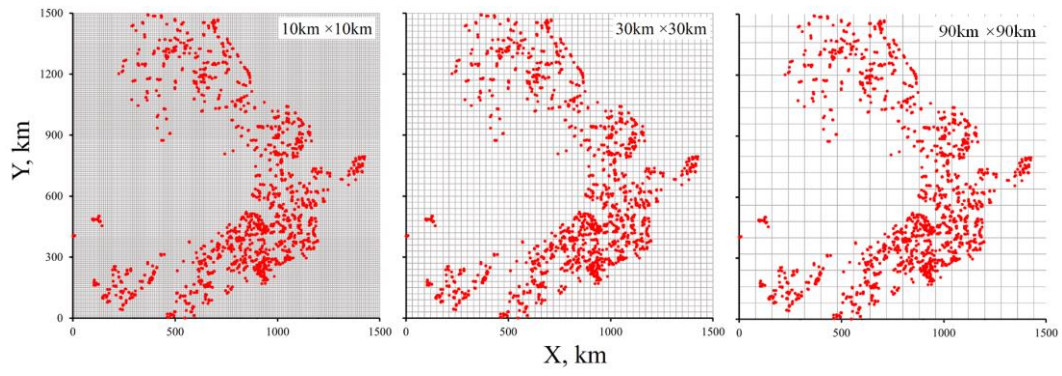


Figure S2 Sampling diagram across the study area. X is the distance of the sample point along the latitude. Y is the distance of the sample point along the longitude. The gray grids were the spatial scale for analysis.