



Map of the geographical and climatic distribution of Betulaceae. The pie charts show the number of species and proportion of genera divided by large scale (bio)geographic unit and climate zones (details provided in SI 4). Base map from Kottek et al. (2006; freely available via <http://koeppen-geiger.vu-wien.ac.at/>): red tones: equatorial (tropical) climates (A-climates); yellow tones: Dry climates (deserts, BW, and steppe, BS); light green tones: warm temperate, summer-dry climates (Cs), lush green tones: warm temperate, fully humid climates (Cf), brown tones, warm temperate, winter-dry climates (Cw); pink/purple tones: snow climates (D); blue tones: polar climates (tundra, ET, and frost climate, EF).