**Table S1:** Actual tree height (*H*) and maximum tree height (*H*max), as well as stem wood density (WD) for the 279 tropical tree species from lowland forests in Sumatra, Indonesia.



**Table S1 (continued):** Actual tree height (*H*) and maximum tree height (*H*max), as well as stem wood density (WD) for the 279 tropical tree species from lowland forests in Sumatra, Indonesia.

**Table S1 (continued):** Actual tree height (*H*) and maximum tree height (*H*max), as well as stem wood density (WD) for the 279 tropical tree species from lowland forests in Sumatra, Indonesia.

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**Table S1 (continued):** Actual tree height (*H*) and maximum tree height (*H*max), as well as stem wood density (WD) for the 279 tropical tree species from lowland forests in Sumatra, Indonesia.





Figure 1: Pearson correlation matrix between wood anatomy and hydraulic traits of twigs across a wide range of tropical rainforest species. Red represents the positive correlation while blue represent negative correlation.



Figure 2: Maximum height of tropical rainforest species in Sumatra influences the vessel density (a), hydraulic vessel diameter (c), and potential hydraulic conductivity (d). Red lines are regression curves of linier regression model (a, c-d) while dash line represent a non-significant influence (b). Grey areas show the 95% confident interval of the models.



Figure 3: Mean tree height per height class of tropical rainforest species in Sumatra influences the vessel density (a), hydraulic vessel diameter (c), and potential hydraulic conductivity (d). Red lines are regression curves of linier regression model (a, c-d) while dash line represent a non-significant influence (b). Grey areas show the 95% confident interval of the models.