Pairwise significance tests for the proportions or medians presented in Figures 2-4

For proportions, the significance test in Tables A and C follows Fleiss et al. (2003: 188-189, cited in the article). The test compares several (here 2) proportions, based on a χ^2-test. For medians in Tables B and D, the non-parametric Mann-Whitney *U*-test was used. It is described, for example, in Sokal & Rohlf (2012: 446-452, cited in the article). The probability refers to the null hypothesis that the two proportions or two medians come from the same statistical populations. Since there is a relatively large number of simultaneous pairwise comparisons in each table, the threshold level for concluding significant differences (typically 0.05) should be adjusted: Using the Bonferroni method, mentioned in the article, the adjusted significance level in Tables A and B (with 10 proportions or medians) is $0.05/10 = \mathbf{0.005}$. The adjusted significance level in Table C and D (with 4 proportions or medians) is $0.05/4 \approx \mathbf{0.01}$. The sequence of species in the tables in in alphabetical order.

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Table A. Pairwise significance tests between survival proportions (Figure 2 top)

First species	Second species	Probability
Brosimum alicastrum	*Calophyllum brasiliense*	0.136
Brosimum alicastrum	*Ceiba pentandra*	0.000
Brosimum alicastrum	*Colubrina arborescens*	0.000
Brosimum alicastrum	*Diphysa americana*	0.000
Brosimum alicastrum	*Enterolobium cyclocarpum*	0.000
Brosimum alicastrum	*Handroanthus chrysanthus*	0.000
Brosimum alicastrum	*Pimenta dioica*	0.000
Brosimum alicastrum	*Pouteria sapota*	0.385
Brosimum alicastrum	*Tabebuia rosea*	0.000
Calophyllum brasiliense	*Ceiba pentandra*	0.000
Calophyllum brasiliense	*Colubrina arborescens*	0.000
Calophyllum brasiliense	*Diphysa americana*	0.000
Calophyllum brasiliense	*Enterolobium cyclocarpum*	0.000
Calophyllum brasiliense	*Handroanthus chrysanthus*	0.000
Calophyllum brasiliense	*Pimenta dioica*	0.014
Calophyllum brasiliense	*Pouteria sapota*	0.530
Calophyllum brasiliense	*Tabebuia rosea*	0.000
Ceiba pentandra	*Colubrina arborescens*	0.009
Ceiba pentandra	*Diphysa americana*	0.001
Ceiba pentandra	*Enterolobium cyclocarpum*	0.000
Ceiba pentandra	*Handroanthus chrysanthus*	0.017
Ceiba pentandra	*Pimenta dioica*	0.000
Ceiba pentandra	*Pouteria sapota*	0.000
Ceiba pentandra	*Tabebuia rosea*	0.000
Colubrina arborescens	*Diphysa americana*	0.471
Colubrina arborescens	*Enterolobium cyclocarpum*	0.140
Colubrina arborescens	*Handroanthus chrysanthus*	0.825
Colubrina arborescens	*Pimenta dioica*	0.000
Colubrina arborescens	*Pouteria sapota*	0.000
Colubrina arborescens	*Tabebuia rosea*	0.226
Diphysa americana	*Enterolobium cyclocarpum*	0.450
Diphysa americana	*Handroanthus chrysanthus*	0.347
Diphysa americana	*Pimenta dioica*	0.004
Diphysa americana	*Pouteria sapota*	0.000
Diphysa americana	*Tabebuia rosea*	0.625
Enterolobium cyclocarpum	*Handroanthus chrysanthus*	0.090
Enterolobium cyclocarpum	*Pimenta dioica*	0.036
Enterolobium cyclocarpum	*Pouteria sapota*	0.000
Enterolobium cyclocarpum	*Tabebuia rosea*	0.789
Handroanthus chrysanthus	*Pimenta dioica*	0.000
Handroanthus chrysanthus	*Pouteria sapota*	0.000
Handroanthus chrysanthus	*Tabebuia rosea*	0.155
Pimenta dioica	*Pouteria sapota*	0.002
Pimenta dioica	*Tabebuia rosea*	0.018
Pouteria sapota	*Tabebuia rosea*	0.000

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Table B. Pairwise significance tests between medians of height increment (Figure 2 bottom)

First species	Second species	Probability
Brosimum alicastrum	*Calophyllum brasiliense*	0.002
Brosimum alicastrum	*Ceiba pentandra*	0.000
Brosimum alicastrum	*Colubrina arborescens*	0.000
Brosimum alicastrum	*Diphysa americana*	0.029
Brosimum alicastrum	*Enterolobium cyclocarpum*	0.000
Brosimum alicastrum	*Handroanthus chrysanthus*	0.283
Brosimum alicastrum	*Pimenta dioica*	0.669
Brosimum alicastrum	*Pouteria sapota*	0.159
Brosimum alicastrum	*Tabebuia rosea*	0.000
Calophyllum brasiliense	*Ceiba pentandra*	0.000
Calophyllum brasiliense	*Colubrina arborescens*	0.026
Calophyllum brasiliense	*Diphysa americana*	0.404
Calophyllum brasiliense	*Enterolobium cyclocarpum*	0.000
Calophyllum brasiliense	*Handroanthus chrysanthus*	0.094
Calophyllum brasiliense	*Pimenta dioica*	0.000
Calophyllum brasiliense	*Pouteria sapota*	0.000
Calophyllum brasiliense	*Tabebuia rosea*	0.000
Ceiba pentandra	*Colubrina arborescens*	0.000
Ceiba pentandra	*Diphysa americana*	0.000
Ceiba pentandra	*Enterolobium cyclocarpum*	0.000
Ceiba pentandra	*Handroanthus chrysanthus*	0.000
Ceiba pentandra	*Pimenta dioica*	0.000
Ceiba pentandra	*Pouteria sapota*	0.000
Ceiba pentandra	*Tabebuia rosea*	0.000
Colubrina arborescens	*Diphysa americana*	0.001
Colubrina arborescens	*Enterolobium cyclocarpum*	0.000
Colubrina arborescens	*Handroanthus chrysanthus*	0.000
Colubrina arborescens	*Pimenta dioica*	0.000
Colubrina arborescens	*Pouteria sapota*	0.000
Colubrina arborescens	*Tabebuia rosea*	0.070
Diphysa americana	*Enterolobium cyclocarpum*	0.000
Diphysa americana	*Handroanthus chrysanthus*	0.292
Diphysa americana	*Pimenta dioica*	0.000
Diphysa americana	*Pouteria sapota*	0.000
Diphysa americana	*Tabebuia rosea*	0.000
Enterolobium cyclocarpum	*Handroanthus chrysanthus*	0.000
Enterolobium cyclocarpum	*Pimenta dioica*	0.000
Enterolobium cyclocarpum	*Pouteria sapota*	0.000
Enterolobium cyclocarpum	*Tabebuia rosea*	0.000
Handroanthus chrysanthus	*Pimenta dioica*	0.030
Handroanthus chrysanthus	*Pouteria sapota*	0.019
Handroanthus chrysanthus	*Tabebuia rosea*	0.000
Pimenta dioica	*Pouteria sapota*	0.215
Pimenta dioica	*Tabebuia rosea*	0.000
Pouteria sapota	*Tabebuia rosea*	0.000

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Table C. Pairwise significance tests between survival proportions (Figures 3 and 4 left)

Species	First dose (g)	Second dose (g)	Probability
Brosimum alicastrum	0	150	0.443
Brosimum alicastrum	0	375	0.474
Brosimum alicastrum	0	750	0.810
Brosimum alicastrum	150	375	0.145
Brosimum alicastrum	150	750	0.316
Brosimum alicastrum	375	750	0.628
Calophyllum brasiliense	0	150	0.046
Calophyllum brasiliense	0	375	0.002
Calophyllum brasiliense	0	750	0.000
Calophyllum brasiliense	150	375	0.220
Calophyllum brasiliense	150	750	0.088
Calophyllum brasiliense	375	750	0.594
Ceiba pentandra	0	150	0.280
Ceiba pentandra	0	375	0.280
Ceiba pentandra	0	750	0.110
Ceiba pentandra	150	375	1.000
Ceiba pentandra	150	750	0.596
Ceiba pentandra	375	750	0.596
Colubrina arborescens	0	150	0.516
Colubrina arborescens	0	375	0.218
Colubrina arborescens	0	750	0.019
Colubrina arborescens	150	375	0.059
Colubrina arborescens	150	750	0.003
Colubrina arborescens	375	750	0.258
Diphysa americana	0	150	0.003
Diphysa americana	0	375	0.070
Diphysa americana	0	750	0.002
Diphysa americana	150	375	0.243
Diphysa americana	150	750	0.880
Diphysa americana	375	750	0.188
Enterolobium cyclocarpum	0	150	0.776
Enterolobium cyclocarpum	0	375	0.549
Enterolobium cyclocarpum	0	750	0.160
Enterolobium cyclocarpum	150	375	0.378
Enterolobium cyclocarpum	150	750	0.092
Enterolobium cyclocarpum	375	750	0.423
Handroanthus chrysanthus	0	150	0.537
Handroanthus chrysanthus	0	375	0.772
Handroanthus chrysanthus	0	750	0.165
Handroanthus chrysanthus	150	375	0.371
Handroanthus chrysanthus	150	750	0.049
Handroanthus chrysanthus	375	750	0.271
Pimenta dioica	0	150	0.427
Pimenta dioica	0	375	0.006
Pimenta dioica	0	750	0.000
Pimenta dioica	150	375	0.050
Pimenta dioica	150	750	0.002
Pimenta dioica	375	750	0.249
Pouteria sapota	0	150	0.057
Pouteria sapota	0	375	0.008
Pouteria sapota	0	750	0.001
Pouteria sapota	150	375	0.410
Pouteria sapota	150	750	0.104
Pouteria sapota	375	750	0.390
Tabebuia rosea	0	150	0.598
Tabebuia rosea	0	375	0.410
Tabebuia rosea	0	750	0.840
Tabebuia rosea	150	375	0.771
Tabebuia rosea	150	750	0.475
Tabebuia rosea	375	750	0.316

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Table D. Pairwise significance tests between medians of height increment (Figures 3 and 4 left)

Species	First dose (g)	Second dose (g)	Probability
Brosimum alicastrum	0	150	0.427
Brosimum alicastrum	0	375	0.925
Brosimum alicastrum	0	750	0.104
Brosimum alicastrum	150	375	0.588
Brosimum alicastrum	150	750	0.422
Brosimum alicastrum	375	750	0.459
Calophyllum brasiliense	0	150	0.034
Calophyllum brasiliense	0	375	0.316
Calophyllum brasiliense	0	750	0.335
Calophyllum brasiliense	150	375	0.390
Calophyllum brasiliense	150	750	0.640
Calophyllum brasiliense	375	750	1.000
Ceiba pentandra	0	150	0.003
Ceiba pentandra	0	375	0.000
Ceiba pentandra	0	750	0.000
Ceiba pentandra	150	375	0.059
Ceiba pentandra	150	750	0.088
Ceiba pentandra	375	750	0.743
Colubrina arborescens	0	150	0.530
Colubrina arborescens	0	375	0.058
Colubrina arborescens	0	750	0.740
Colubrina arborescens	150	375	0.192
Colubrina arborescens	150	750	0.380
Colubrina arborescens	375	750	0.045
Diphysa americana	0	150	0.783
Diphysa americana	0	375	0.004
Diphysa americana	0	750	0.836
Diphysa americana	150	375	0.091
Diphysa americana	150	750	0.915
Diphysa americana	375	750	0.010
Enterolobium cyclocarpum	0	150	0.317
Enterolobium cyclocarpum	0	375	0.538
Enterolobium cyclocarpum	0	750	0.034
Enterolobium cyclocarpum	150	375	0.868
Enterolobium cyclocarpum	150	750	0.106
Enterolobium cyclocarpum	375	750	0.348
Handroanthus chrysanthus	0	150	0.453
Handroanthus chrysanthus	0	375	0.212
Handroanthus chrysanthus	0	750	0.023
Handroanthus chrysanthus	150	375	0.563
Handroanthus chrysanthus	150	750	0.064
Handroanthus chrysanthus	375	750	0.223
Pimenta dioica	0	150	0.076
Pimenta dioica	0	375	0.439
Pimenta dioica	0	750	0.653
Pimenta dioica	150	375	0.451
Pimenta dioica	150	750	0.596
Pimenta dioica	375	750	0.755
Pouteria sapota	0	150	0.001
Pouteria sapota	0	375	0.542
Pouteria sapota	0	750	(n_2 = 1)
Pouteria sapota	150	375	0.017
Pouteria sapota	150	750	(n_2 = 1)
Pouteria sapota	375	750	(n_2 = 1)
Tabebuia rosea	0	150	0.001
Tabebuia rosea	0	375	0.001
Tabebuia rosea	0	750	0.000
Tabebuia rosea	150	375	0.684
Tabebuia rosea	150	750	0.637
Tabebuia rosea	375	750	0.514

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