

S1 Table

Table of correlations between the summary statistics of the BL, LTT and TOPO sets and the epidemiological parameters of the SIR model, for trees of 100 leaves.

Summary statistics	Set	R_0	d_i	N	Sum
<i>mean_s_time</i>	LTT	-0.66	0.7	-0.02	1.4
<i>slope_1</i>	LTT	0.69	-0.68	0.01	1.4
<i>slope_2</i>	LTT	0.62	-0.73	0.03	1.4
<i>t_max_L</i>	LTT	-0.64	0.73	0	1.4
<i>max_H</i>	BL	-0.61	0.74	-0.02	1.4
<i>mean_b_time[2]</i>	LTT	-0.64	0.71	-0.02	1.4
<i>i_BL_var_[2]</i>	BL	-0.6	0.75	-0.01	1.4
<i>e_BL_var</i>	BL	-0.55	0.78	-0.02	1.4
<i>i_BL_mean_[1]</i>	BL	-0.62	0.72	-0.01	1.3
<i>i_BL_var_[1]</i>	BL	-0.61	0.72	-0.01	1.3
<i>i_BL_mean_[2]</i>	BL	-0.57	0.76	-0.01	1.3
<i>i_BL_median_[2]</i>	BL	-0.55	0.76	-0.02	1.3
<i>i_BL_median_[1]</i>	BL	-0.6	0.71	-0.01	1.3
<i>a_BL_var</i>	BL	-0.5	0.79	-0.02	1.3
<i>i_BL_var_[3]</i>	BL	-0.61	0.66	0.03	1.3
<i>a_BL_mean</i>	BL	-0.49	0.79	-0.01	1.3
<i>mean_b_time[1]</i>	LTT	-0.67	0.61	0.01	1.3
<i>a_BL_median</i>	BL	-0.48	0.79	-0.01	1.3
<i>e_BL_mean</i>	BL	-0.43	0.8	-0.02	1.2
<i>i_BL_mean_[3]</i>	BL	-0.5	0.73	0.01	1.2
<i>i_BL_median_[3]</i>	BL	-0.46	0.73	0.01	1.2
<i>e_BL_median</i>	BL	-0.39	0.79	-0.01	1.2
<i>mean_b_time[3]</i>	LTT	-0.45	0.65	0.02	1.1
<i>min_H</i>	BL	-0.37	0.72	0	1.1
<i>max_L</i>	LTT	0.63	-0.01	0.01	0.65
<i>ie_BL_mean_[2]</i>	BL	-0.56	0.01	0	0.57
<i>ie_BL_mean_[1]</i>	BL	-0.54	0.01	0.01	0.56
<i>ie_BL_median_[2]</i>	BL	-0.53	0.01	-0.01	0.55
<i>ie_BL_median_[1]</i>	BL	-0.5	0.01	0.01	0.52
<i>slope_ratio</i>	LTT	0.39	-0.01	-0.08	0.48
<i>staircaseness_1</i>	TOPO	0.37	0	0.01	0.38
<i>ie_BL_var_[1]</i>	BL	-0.34	0	0.03	0.37
<i>ie_BL_var_[2]</i>	BL	-0.32	0	0.03	0.35
<i>sackin</i>	TOPO	-0.33	0	0	0.33
<i>IL_nodes</i>	TOPO	-0.32	0	-0.01	0.33
<i>ie_BL_var_[3]</i>	BL	-0.26	0	0.05	0.31
<i>staircaseness_2</i>	TOPO	-0.28	0	-0.01	0.29
<i>WD_ratio</i>	TOPO	0.26	0.01	0	0.27
<i>ie_BL_mean_[3]</i>	BL	-0.25	0	-0.01	0.26
<i>ie_BL_median_[3]</i>	BL	-0.21	0	-0.01	0.22
Δw	TOPO	0.15	0	0.01	0.16
<i>max_ladder</i>	TOPO	-0.15	0	0	0.15
<i>colless</i>	TOPO	0.01	-0.01	0	0.02