

Table 1S. Mean and standard deviations of parameters in homobaric and heterobaric leaf plant species: maximum photosynthetic rate ($P_{\max}$), maximum transpiration rate ($E_{\max}$), maximum stomatal conductance (g_s), water-use efficiency (WUE), nitrogen content per unit leaf area (N_{area}), photosynthetic nitrogen-use efficiency (PNUE), stable carbon isotope ratio ($\delta^{13}\text{C}$), diurnal leaf water potential ($\Delta\Psi_L$), stomatal pore index (SPI), wood density (W_d), vessel diameter (D_v), vessel density (V_d), and mean annual diameter relative growth rate (RGR). *The standard deviation of RGR in *Syzygium sp.* is not shown because RGR of one individual could not be measured.

Species	code	n	$P_{\max}$ [$\mu\text{mol m}^{-2} \text{s}^{-1}$]	$E_{\max}$ [$\text{mmol m}^{-2} \text{s}^{-1}$]	g_s [$\text{mmol m}^{-2} \text{s}^{-1}$]	WUE [$\mu\text{mol m}^{-2} \text{s}^{-1}$]	N_{area} [g m^{-2}]	PNUE [$\text{mmol g}^{-1} \text{s}^{-1}$]	$\delta^{13}\text{C}$ [‰]	$\Delta\Psi_L$ [MPa]	SPI [$\times 10^{-2}$]	W_d [g cm^{-3}]	D_v [μm]	V_d [No. mm^{-2}]	RGR [% y^{-1}]
Heterobaric leaves															
Dipterocarpaceae															
<i>Dipterocarpus globosus</i>	Dg	3	9.99 ± 1.77	5.23 ± 0.54	0.36 ± 0.05	1.91 ± 0.53	2.59 ± 0.09	3.87 ± 0.77	-30.12 ± 0.84	1.25 ± 0.04	23.18 ± 1.80	0.66 ± 0.09	207.27 ± 24.52	5.94 ± 1.46	0.42 ± 0.24
<i>Dryobalanops aromatica</i>	Da	3	14.58 ± 0.97	4.37 ± 0.44	0.40 ± 0.01	3.33 ± 0.22	2.42 ± 0.06	6.04 ± 0.54	-29.35 ± 0.37	0.96 ± 0.08	23.30 ± 1.09	0.69 ± 0.03	170.45 ± 15.08	8.85 ± 1.36	0.98 ± 0.53
<i>Shorea beccariana</i>	She	3	16.54 ± 1.20	6.02 ± 0.28	0.44 ± 0.09	2.75 ± 0.13	2.88 ± 0.38	5.77 ± 0.45	-28.77 ± 0.76	1.59 ± 0.08	36.95 ± 1.35	0.46 ± 0.05	240.50 ± 18.12	3.50 ± 0.65	0.80 ± 0.31
<i>Shorea bullata</i>	Sbu	1	10.34	4.54	0.22	2.28	1.63	6.33	-28.13	1.42	22.56	0.53	201.68	5.42	0.73
<i>Shorea crassa</i>	Sc	3	11.12 ± 1.61	4.07 ± 0.39	0.29 ± 0.02	2.73 ± 0.59	2.02 ± 0.39	5.71 ± 1.80	-30.92 ± 0.85	1.12 ± 0.13	37.26 ± 6.79	0.83 ± 0.03	156.89 ± 3.77	5.35 ± 1.58	0.73 ± 0.17
<i>Shorea kunstleri</i>	Sk	1	15.89	6.77	0.51	2.35	2.37	6.70	-30.08	1.18	25.36	0.73	241.35	3.03	1.24
<i>Shorea laxa</i>	Sl	1	12.36	4.87	0.29	2.54	2.46	5.04	-30.17	0.82	16.24	0.64	116.29	5.23	1.33
<i>Vatica oblongifolia</i>	Vo	1	13.52	7.46	0.42	1.81	2.71	4.99	-31.44	1.70	29.79	0.76	141.60	12.19	0.32
Fagaceae															
<i>Lithocarpus luteus</i>	Ll	1	12.55	5.58	0.32	2.25	2.43	5.16	-31.00	1.21	44.13	0.94	282.25	1.86	0.37
Leguminosae															
<i>Koompassia malaccensis</i>	Km	2	12.11	5.39	0.39	2.25	2.40	5.07	-29.20	1.87	21.58	0.80	194.29	1.58	0.43
<i>Sindora coriacea</i>	Sco	1	13.27	5.43	0.39	2.44	2.00	6.62	-30.41	1.74	23.19	0.59	108.60	3.93	2.03
Magnoliaceae															
<i>Magnolia ashtonii</i>	Ma	1	9.55	4.21	0.32	2.27	3.55	2.69	-27.79	1.26	38.31	0.43	123.87	10.39	0.89
Moraceae															
<i>Artocarpus obtusus</i>	Ao	1	16.80	6.15	0.63	2.73	4.52	3.71	-27.06	1.12	42.48	0.58	271.15	3.27	0.70
Sapotaceae															
<i>Madhuca crassipes</i>	Mc	3	11.00 ± 1.82	4.58 ± 0.13	0.29 ± 0.09	2.40 ± 0.39	1.61 ± 0.24	6.97 ± 1.56	-28.53 ± 1.24	1.02 ± 0.02	13.47 ± 1.56	0.99 ± 0.04	111.47 ± 5.30	7.05 ± 0.84	0.62 ± 0.07
<i>Palaquium sp.</i>	Ps	1	14.44	5.46	0.39	2.65	2.51	5.75	-28.17	1.31	18.23	0.57	132.39	10.78	0.51
Homobaric leaves															
Anacardiaceae															
<i>Swintonia acuta</i>	Sa	3	9.00 ± 0.47	4.46 ± 0.58	0.29 ± 0.09	2.02 ± 0.36	2.20 ± 0.16	4.12 ± 0.49	-28.26 ± 0.33	0.82 ± 0.16	16.14 ± 4.10	0.66 ± 0.03	112.83 ± 17.04	4.63 ± 2.03	0.37 ± 0.12
<i>Swintonia sp.</i>	Ss	3	10.23 ± 0.52	3.12 ± 0.42	0.25 ± 0.03	3.28 ± 0.35	2.28 ± 0.38	4.56 ± 0.80	-28.96 ± 0.57	0.75 ± 0.07	10.09 ± 1.53	0.70 ± 0.02	109.10 ± 6.09	3.54 ± 0.52	0.64 ± 0.46
Clusiaceae															
<i>Garcinia parvifolia</i>	Gp	1	8.31	4.13	0.22	2.01	1.93	4.31	-27.44	1.03	13.19	0.68	132.08	6.98	0.28
Ctenolophonaceae															
<i>Ctenolophon parvifolius</i>	Cp	1	12.64	3.53	0.36	3.58	2.61	4.85	-28.89	1.08	22.69	0.74	147.11	10.64	0.28
Loganiaceae															
<i>Fagraea caudata</i>	Fc	2	10.07	3.92	0.22	2.57	2.35	4.35	-27.54	0.87	15.49	0.69	150.91	3.69	0.18
Myristicaceae															
<i>Myristica gigantea</i>	Mg	1	12.08	3.29	0.23	3.67	2.02	5.97	-29.10	0.67	7.64	0.64	143.70	3.35	0.22
Myrtaceae															
<i>Syzygium sp.*</i>	Sys	3	12.60 ± 1.27	4.84 ± 0.23	0.41 ± 0.05	2.61 ± 0.38	2.62 ± 0.47	4.86 ± 0.44	-29.77 ± 0.32	0.80 ± 0.08	30.48 ± 2.18	0.72 ± 0.09	159.50 ± 1.51	7.15 ± 1.17	1.14
Sapotaceae															
<i>Madhuca sessilis</i>	Ms	2	8.48	4.78	0.26	1.77	2.08	4.07	-30.24	1.16	9.99	0.76	119.40	9.16	0.82