Table 1. (traits review)

trait	symbol	units	response	forest type(s)	reference(s)
leaf mass per area (or inverse of specific leaf area)	LMA (or $1/SLA$ )	$g/cm^2$	increases with height	temperate, tropical	Mau et al. 2018, Coble et al. 2017
			sun>shade	global	Hernandez et al. 2019, Mastubara et al. 2009, Martin et. al 2020, Coble et al. 2017, Slot et al. 2019
leaf nitrogen	$N_{leaf}$	$mg/g$ $g/m^2$	sun < shade $sun \approx shade$ sun > shade	temperate broadleaf tropical	Martin et. al 2020 Bolstad et al. 2019 Hernandez et al. 2019

Table 2. (metabolism review)

trait	symbol	units	response	forest type(s)	reference(s)
Stomatal conductance stomatal conductance T of peak net stomatal conductance	$g_s$ $T_{opt}$ of $g_s$	$^{\circ}\mathrm{C}$	sun > shade	tropical	Slot et al. 2019
Photosynthesis light-saturated net photosynthesis light compensation point	$A_{sat}$ $LCP$		sun > shade sun > shade	tropical tropical	Slot et al. 2019 Slot et al. 2019
Respiration dark respiration at reference T dark respiration temperature sensitivity of $R_{dark}$	$R_{dark}(T_{ref})$ $R_{dark}$ $Q_{10}$		$\begin{array}{l} \mathrm{sun} > \mathrm{shade} \\ \mathrm{sun} > \mathrm{shade} \\ \mathrm{sun} > \mathrm{shade} \\ \mathrm{sun} \geq \mathrm{shade} \end{array}$	tropical temperate temperate temperate	Slot et al. 2019 Bolstad et al. 1999 Bolstad et al. 1999 Bolstad et al. 1999
Thermal tolerance thermal damage threshold	$T_{50}$	$^{\circ}\mathrm{C}$	$\mathrm{sun} \geq \mathrm{shade}$	tropical	Slot et al. 2019