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	g_s		sun > shade	tropical	Slot et al. 2019
optimum temperature of g_s	T_{opt} of g_s	$^{\circ}\mathrm{C}$	$sun \approx shade$	tropical	Slot et al. 2019
frequency of stomatal closure	-p-		increases with height	tropical	Roberts et al. 1990
Photosynthesis					
light-saturated net photosynthesis	A_{sat}		sun > shade	tropical	Slot et al. 2019
optimum temperature of A_{sat}	T_{opt} of A_{sat}	$^{\circ}\mathrm{C}$	$sun \ge shade$	tropical	Slot et al. 2019
thermal damage threshold	T_{50}	$^{\circ}\mathrm{C}$	$sun \ge shade$	tropical	Slot et al. 2019
_			decreases with height*	savanna	Curtis et. al, 2018
light compensation point	LCP		sun > shade	tropical	Slot et al. 2019
Respiration					
dark respiration at reference T	$R_{dark}(T_{ref})$		sun > shade	tropical	Slot et al. 2019
-			sun > shade	temperate	Bolstad et al. 1999
dark respiration	R_{dark}		sun > shade	temperate	Bolstad et al. 1999
temperature sensitivity of R_{dark}	Q_{10}		$sun \ge shade$	temperate	Bolstad et al. 1999

^{*}composite climatic stress variable from canopy temperature, vapour pressure deficit, and relative humidity is higher in lower canopy