



Fig. S2. Graphical representation of the estimation of the limitation to photosynthesis by the stomata (*SL*) and limitation by mesophyll conductance (*MCL*). An idealized CO₂ response curve (*A-C_c*) is shown as a solid line, where *A* is the net carbon assimilation rate and *C_c* is the molar fraction of carbon dioxide at the site of carboxylation. *A₀* represents the theoretical rate of photosynthesis when we assume that the boundary layer conductance, stomatal conductance (*g_s*), and mesophyll conductance (*g_m*) are infinite, i.e., if *C_c* = *C_a* (atmospheric mole fraction of CO₂, in this case 390 μmol mol⁻¹). *A₁* represents the theoretical rate of photosynthesis when only *g_m* is assumed to be infinite, i.e., if *C_c* = *C_i* (intercellular mole fraction of CO₂). *A₂* represents the actual observed photosynthesis rate when the measured or estimated *g_s* and *g_m* are taken into account. The dotted line represents the CO₂ supply curve when there is no resistance to diffusion of CO₂ from the outside of the leaf to the site of carboxylation; the thick-dashed line represents the CO₂ supply curve in the presence of a finite boundary layer and *g_s*, and the thin-dashed line is the supply curve when *g_m* is also finite.