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Rubisco catalytic properties and temperature response in crops.

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Figure 1. The relationship between the turnover rate for the Rubisco carboxylase reaction ($k_{cat}^c$) with (A) the Michaelis–Menten affinity constant for CO$_2$ ($K_c$) and (B) the CO$_2$/O$_2$ specificity factor ($S_{c/o}$). Filled symbols correspond to C$_3$ species at 15 ºC (▲), 25 ºC (●) and 35 ºC (▼); open symbols correspond to C$_4$ species at 15 ºC (△), 25 ºC (○) and 35 ºC (▽). Each symbol represents the average value of a single species per temperature interaction.