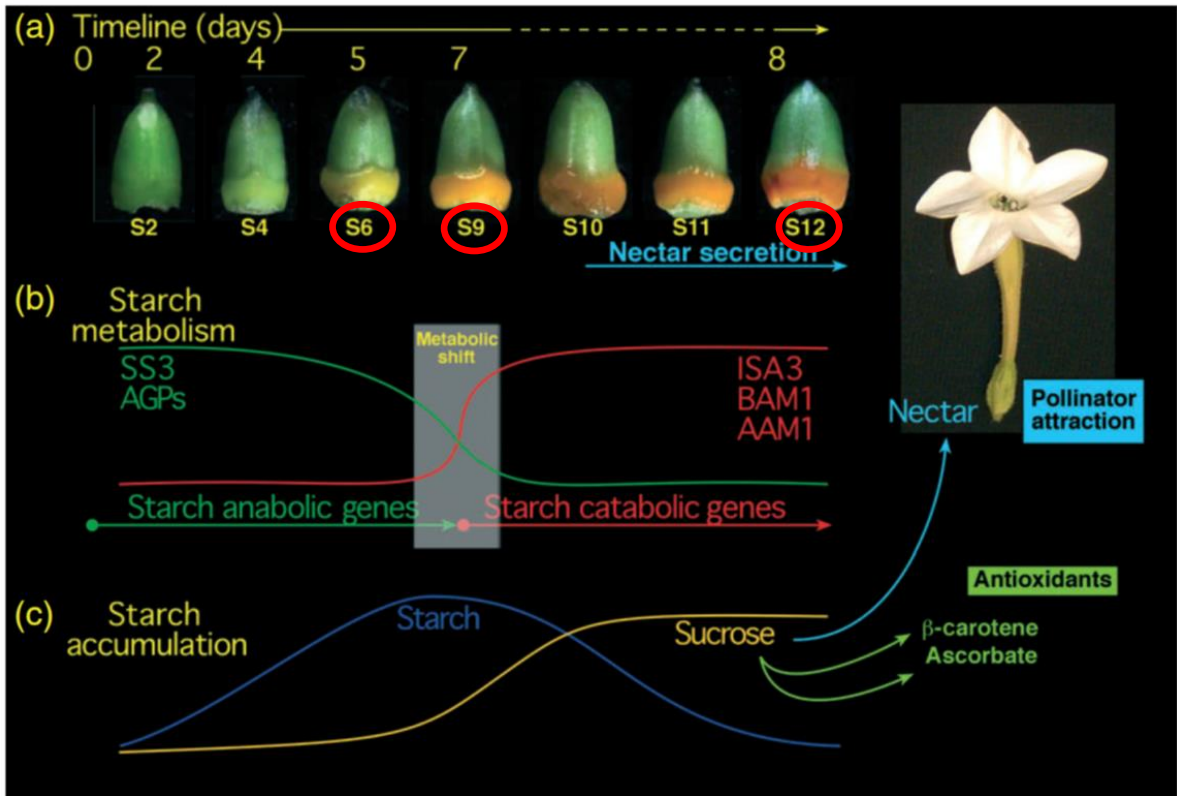


Nicotiana spp.



Example of nectary developmental stages in a *Nicotiana* spp. flower. Tobacco nectaries begin developing as green tissues (S2, S4), but transition to chromoplast containing organs begin at Stage 6. Two pre-secretory (S6 and S9), one secretory (S12, full anthesis), and one post-secretory timepoint (24 hr post secretion, not shown) are being used for nectary collection for RNA-seq analyses. A total of six species from different sections of the *Nicotiana* genus are being used in this study (see Table 1). Developmentally equivalent stages for the floral nectaries of other species are also being collected for RNA-seq analyses. All floral nectar for metabolomic and proteomic analyses is being collected from the equivalent of Stage 12 *Nicotiana* flowers for all species.