

Disclosed herein are methods and compositions for parallel or sequential transgene stacking in plants to produce plants with selected phenotypes. The present disclosure provides methods and compositions for precision transformation, gene targeting, targeted genomic modification and protein expression in plants. In particular, the present disclosure describes a novel, transgenic marker-free strategy for integrating an exogenous sequence and to stack traits that exploit differential selection at an endogenous locus, e.g., the acetohydroxyacid synthase (AHAS) locus) in plant genomes.