

Figure S1 Schematic diagram of the *Agrobacterium-tumefaciens* mediated transformation method in soybean. (A): Seed sterilization by chlorine gas; (B) Seed germination on the germination medium; (C) Isolating 1-2 d germinated cotyledonary explants; (D) Explants inoculating with *Agrobacterium*; (E) Explants co-cultivating with *Agrobacterium*; (F): Explants on the shoot induction medium; (F): Shoot elongation on the shoot elongation medium; (G): Shoot rooting; (H): Plantlet domestication and cultivation.

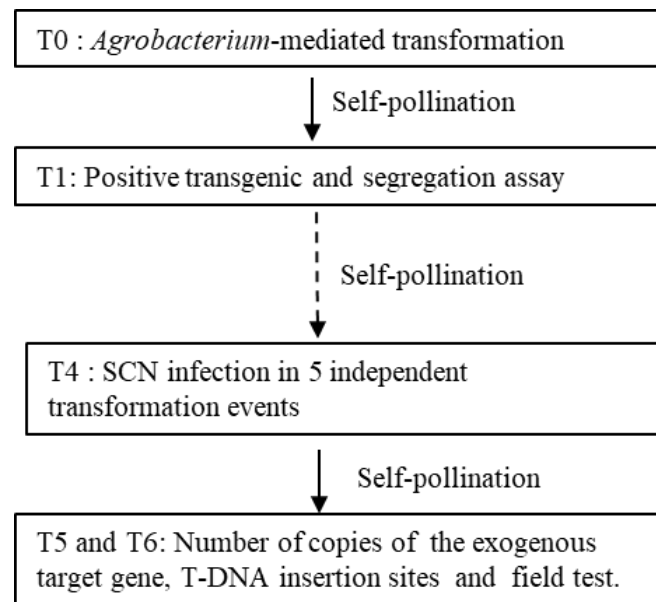


Figure S2 Generation of transgenic progeny and assay index in different progeny. T0, T1, T4, T5 represented different transgenic progeny.