

**Table S1**  
**Ten-stack cargo sequences in donor plasmids.**

Stack #	Transcriptional Unit/Cargo	Phenotype	Transcriptional Unit			TU Size (Kb)	GenBank Accession
			Promoter	CDS	Terminator		
			1	sul1	sulfadiazine resistance		
2	Luc	luciferase activity	StUbi 409S	LUC, Firefly luciferase	nosT	4.0	MG687277
3	GFP	green florescence	StUbi7	eGFP, enhanced Green Florescence Protein	nosT	3.0	MG687278
4	bar	herbicide resistance	Nos	bar, bialaphos resistance	nosT	1.7	MG687279
5	GUS	$\beta$ -glucuronidase acitivity	PrUbi	uidA, $\beta$ -glucuronidase	nosT	4.4	MG687280
6	TBS	enhancer blocking insulator	N/A	N/A	N/A	2.2	MG687281
7	MYBA	anthocyanin accumulation	AtHTH	Citrus sinsensis MybA	nosT	3.4	MG687282
8	TBS	enhancer blocking insulator	N/A	N/A	N/A	2.2	MG687281
9	tdTom	red florescence	CaMV 35S	codon optimized tdTomatoER	nosT/35St	3.0	MG687283
10	nptII	kanamycin resistance	AtUbq10	nptII, neomycin phosphotransferase II	Ubq10t	2.3	MG687284

\* N/A not applicable

Abbreviations: CaMV35S (double enhanced cauliflower mosaic virus 35S promoter); StUbi 409S (Solanum tuberosum ubiquitin 409S promoter); StUbi7 (Solanum tuberosum ubiquitin 7 promoter); Nos (nopaline synthase promoter); PrUbi1 (Pinus radiata ubiquitin 1 promoter); AtHTH (Arabidopsis thaliana HOTHEAD promoter); AtUbq10 (Arabidopsis thaliana ubiquitin 10 promoter); TBS (Petunia hybrida Transformation Booster Sequence); CaMV35St (cauliflower mosaic virus 35S 3' terminator) nosT (nopaline synthase 3' terminator); nosT/35St (nopaline synthase and CaMV35S double terminator); Ubq10t (Arabidopsis thaliana ubiquitin 10 3' terminator)