

Supplemental table 1: Oligo sequences

name	sequence
GFP-F	GGTAGGCGCGGCTTAATTAAGAATTCTCATGTTTGACAGCTTATC
GFP-R	GTACGGCGCGGCTTAATTAATGAAGCGGGAAACGAC
PPC-F	TAATCTCTTCGATGAAATTTCAATTGCGATAACTATGTGCTTTGGATCGATCTGCCCTAGGATACATTCTACTTTGAAGTTGTTAATG
PPC-R	TTGTCCATGCTAGCAGGCCTAACCCCTTTTACTCAAACCTA
CasFrag-F	AGGCCTGCTAGCATGGACAAGAAGTACTCC
CasFrag-R	ATCATAGCGCTTGATCATACTAGCGCTCAGC
MfeI-MtU6-F	GATATTAATCTCTTCGATGAAATTTTCATGCCTATCTTATATGATCAATGAGG
MtU6-R	AAGCCTACTGGTTCGCTTGAAG
scaffold-F	GTTTTAGAGCTAGAAATAGCAAGTT
AvrII-Scaffold-R	CATTAAACAACCTCAAAGTAGAATGTATCAAAAAAGCACCGACTCGGTG
UNS1_Scaffold-R	GAGAAATGGATGCGAGTAATGAAAAAAGCACCGACTCGGTG
UNS1_MtU6-F	CATTACTCGCATCCATTCTCATGCCTATCTTATATGATCAATGAGG
GFPg1	TCAAGCGAACCAGTAGGCTTGCTGAAGCACTGCACGCCGTGTTTTAGAGCTAGAAATAGC
GFPg2	TCAAGCGAACCAGTAGGCTTGGGCGAGGAGCTGTTACCGGTTTTAGAGCTAGAAATAGC
SIEZ2g1	TCAAGCGAACCAGTAGGCTTGGCGTCGGATAACTCCCTGTGTTTTAGAGCTAGAAATAGC
SIEZ2g2	TCAAGCGAACCAGTAGGCTTgCAGGGCTCCATATCTGCATGTTTTAGAGCTAGAAATAGC
GFPseq-F	GCTCCTGGACGTAGCCTTC
GFPseq-R	GGAGAGGACAGGCTTCTTGA
SIEZ2seq-F1	CCGTCAAATCCGATTCTTA
SIEZ2seq-R1	CAGTGTAACATTGGAAAAACAATCA
SIEZ2seq-F2	GGTCTCCGACAGATGTTCA
SIEZ2seq-R2	AAGCAGGACGCTGAATTGAT

Supplemental table 2: average seed weight in cGFP and gSIEZ2 fruit

		seed no.	no. of fruits	total dry seed weight (gr)	avg seed weight (mg)
cGFP	cGFP-i	131	3	0.3782	2.887
	cGFP-ii	69	3	0.1943	2.816
	cGFP-iii	100	3	0.3086	3.086
gSIEZ2	gSIEZ2-i	109	2	0.3125	2.867
	gSIEZ2-ii	34	1	0.103	3.029
	gSIEZ2-iii	99	3	0.29	2.929