

Supplementary Table 1. PCR primers used to screen marker-free *Ds* plants

Primer pair	Target sequence	Primers sequence (5' to 3')
P-Act-3	GOI	GGTAGAATTTGAATCCCTCAGCA
NiR Intron-R		CTGCACAATTTCAAAGATTGAACC
T3A-R2	GOI	AAGAACACAGTAAATTACAAGCAG
NiR Intron-F		CGAGGTAAGTATGCACTTAAAG
P-Act-R	GOI	CTTATACAAATCCCTCTGTATTTAC
Ds3-R		CGGTAATCGAAAACCGATACGAT
T3A-F	GOI	GTTCGTCAAGTTCAATGCATCAG
Ds5-1.8		ACTTGAGAACATCACATAGTTTAGT
35S-mCherry-F	T-DNA	TACAATTACAGGATCCATGGTGAGCA
PlacZ-R		ATTAGGCACCCCAGGCTTTACACTTT
Ac-Tpase-F	T-DNA	GGTTCCCGTCCGATTTTCGAC
Ubi-F		ATGGCATATGCAGCAGCTATATG
Ubi-R	T-DNA	CACTGATATTATTGTAGTACTATAG
GFP2-		GGTCACGAACTCCAGCAGGAC
Hyg-F	T-DNA	ACGGTGTCGTCCATCACAGTTTGCC
Hyg-R		TTCCGGAAGTGCTTGACATTGGGGA