

Table S2
Primers and probes used for transgene detection

Name	Sequence 5'-3'	Annealing temperature (°C)	Template	Amplicon size (bp)
HTHp65 F60	CAAAAGCCACATAAGAAGTTGATGCAGAAGC	60	mybA	1795
MoroMybA R60	CGATACTAGTCTTACTTTGCATTGAGAAGATCCC			
GUSi F5	GGAGTATTGCCAACGAACCG	55	uidA	496
GUSi R6	CGAGTGAAGATCCCTTTCTTG			
NOSp ERV F59	CAGTGATATCATACATGAGAATTAAGGGAGTCACGTT ATGACC	60	bar	1387
StUbi7pro 90	GACCAAATCTTGTCATCCTCATCAACAAAATAATG			
StUbi7p 100 F60	GGCTAAGATCCAGGATAAGGAAGGGATTCC	60	eGFP	1482
409s pro 1400 R60	GCAAATTAGGGTATAATACTCGTTGATAATCGCACTT TAATC			
RTAC LB3 F61	GGACTGATGGGCTGCCTGTATCG	60	LB backbone	550
SulI830 F60	CCAGAGACCGAGGGTTAGATCATGC			
TO43 Inv-2 F	CTCCATTACACATTCCTCCC	55	StInv2	128
TO447 Inv-2 R	GGTTGTTGAGGATCGGAAAG			
TO435 Inv-2 Probe	TCTCCGGCATTTCCTCTCCTCT		FAM Probe	
AB099 nptII F	CCGGCTACCTGCCCATTC	60	nptII	79
AB100 nptII R	CGACAAGACCGGCTTCCAT			
AB101 nptII Probe	AACATCGCATCGAGCGAGCACGT		HEX Probe	
SulI F	CTGTCCGATCAGATGCAC	54	sul1	139
SulI R	CCTCAGCAATATCGGGATAG			
SulI Probe	TTTCAATCGACAGCTTCCAACCGG		HEX Probe	