

Table S1 Primers

Purpose	Forward Primer	Reverse Primer
Check if D4A was retained after DSB	D4AGenomic2F: 5' -CCCTCAAATAAACGGGTTCTAATA- 3'	D4A5105: 5' -AACAAAAGTGCAGCGGAAAT- 3'
Control Amplification	K81-1F: 5' -ATGTCGGATTCGCCCCATGAG - 3'	K81-555R: 5' -TTCCCGCCAGATAAATGGCC- 3'
Southern Probe to white gene	w7728d: 5' -AAACACCCATCTGCCGAGCA - 3'	w11678u: 5' -TCATCGCAGATCAGAAGCGG- 3'
Inverse PCR of TD end	w12546d: 5' -TATCAACGGAGCCATCTTCC - 3'	w7514U: 5' -CAACTGAAGGCGGACATTG - 3'
Inverse PCR of TD with transposon	w8-817U: 5' -TAGAGTGCCGTTTACTGTGC- 3'	w8-817d: 5' -TTCTCGTTGCTTCGAGAGAG- 3'

Sequences of *HeT-A* attachment to *D4A^{TD}*:

Line 1: 5'-tgagttggggattggacatagatttagatattaatattaagagtaag

Line 2: 5'-ggggtgagtttgggtatggacgtggtgaattaattgaaattaatat

Line 3: 5'-atgtaaacataccgtgcaaaatgataatgttaccagtctatgtcactgt