

A)

T3_5'-end of flanking junction:

5'-
TGAAGTGCTGCAGCAACTTGAACGGGCACTCCATTGATCCGTATAGGATTCACGTAATGAAT
CGGCCAACGCGCGGGGAGAGGCGGTTTTCGTATTGGGCGCTCTTCCGCTTCCTCTCAACC
AAGTCATTCTGAGAATAG-3'

T3_3'-end of flanking junction:

5'-
CGCTCAGTGGAACGAAACTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCT
TCACCTAGATCCTTTTTTTATACTCTGGACGGAAAACGCCCATCGACGTCACACACGCACCG
ACCATCATACTCTGGACGGAAAACGCCCATCGACGAAACAACGAGGCGAGAC-3'

B)

T6_5'-end of flanking junction: 5'-

TCGCTCTCGAACTCGCGTCGCATCGACCAATGACCAATATTCCGATTGGTATGGCTTCATTC
AGCTCCGGTTCC-3'

T6_3'-end of flanking junction:

5'-
GCTGCATGTGTCAGAGGTTTTACCGTCATCACCGAAACGCGCGAGACGAAAGGGCCTCGT
GATACGCCTATTTTTATAGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTGGCAC
TTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTGCGTCGATGCGACGCGAGTTATG
GGACCATTAAACGACCTCGGTGCGTTCTTGATGTTCTGTTTCTCCGCCTGTACCCGC-3'

C)

T16_5'-end of flanking junction:

5'-
TGACCCGAGGACGCGTTCGTGGGCGACGCCGGGAGGTCTTCCTGCGCCAAGGCCGGCAG
ATCCCTGGGATCTGCGTCTCCAAAAGCGCTGGACCCTCACCAGTCACAGAAAAGCATCTTAC
GGATGGCATGACAGTAAGAGAATTATGCAGTGCTGCCATAACCATGAGTGATAACACTGCG
GCCAACTTACTTCTGACAACGATCGGAGGACCGAAGGAGCTAACCGCTTTTTTGCACAACAT
GGGGGATCATGTAACCTCGCCTTGATCGTTGGGAACCGGAGCTGAATGAAGCCATACCAAAC
GACGAGCGTGACACCACGATGCCTGTAGCAATGGCAACAACGTTGCGCAAATATTAACCTG
GCGAACTACTTACTCTAGCTTCCCGGCAACAATTAAGACTGGATGGAGGCGGATAAAGTT
GCAGGACCACTTCTGCGCTCGGCCCTTCCGGCTGGCTGGTTTATTGCTGATAAATCTGGAG
CCGGTGAGCGTGCGTCTCGCGGTATCATTGCAGCACTGGGGCCAGATGGTAAGCCCTCC
GTATCGTAG-3'

T16_3'-end of flanking junction:

5'-
TATTATCCCGTATTGACGCCGGGCAAGAGCAACTCGGTGCGCGCATACACTATTCTCAGAAT
GACTTGTTGAGTGGCGCGGACGGACGACCCCCCATCTCGCGCCGCGCCACGCGT-3'

Figure S6. PCR-product sequences corresponding to both flanking regions (5'-end and 3'-end) of the pOLK4 vector (dark blue) integration site in the (A) T3, (B) T6 and (C) T16 clonal lines. The insertions of foreign DNA of non-vector origin are shown in red. The light blue represents the duplicated region of the vector.