A *Oak1* DNA Sequence

ATGGCTAAGTTCACCGTCTGTCTCCTCCTGTGCTTGCTTCTTGCAGCATTTGTTGGGGCGTTTGGATCTGAGCTTTCTGACTC
CCACAAGACCACCTTGGTCAATGAAATCGCTGAGAAGATGCTACAAAGAAAGATATTGGATGGGGTGGAAGCTACTTTGGTCA
CTGATGTCGCCGAGAAGATGTTCCTAAGAAAGATGAAGGCTGAAGCGAAAACTTCTGAAACCGCCGATCAGGTGTTCCTGAAA
CAGTTGCAGCTCAAAGGACTTCCAGTATGCGGTGAGACTTGTGTTGGGGGAACTTGCAACACTCCAGGCTGCACTTGCTCCTG
GCCTGTTTGCACACGCAATGGCCTTCCTAGTTTGGCCGCATAA

B Oak1 amino acid sequence

MAKFTVCLLLCLLLAAFVGAFGSELSDSHKTTLVNEIAEKMLQRKILDGVEATLVTDVAEKMFLRKMKAEAKTSE
TADQVFLKQLQLKGLPVCGETCVGGTCNTPGCTCSWPVCTRNGLPSLAA*

Purple – ER signal peptide, Black - N-terminal propeptide, Blue – N-terminal repeat, Green – kalata B1 domain, Red – C-terminal repeat

Supp Fig 1: A) *Oak1* DNA sequence used to make all mutant constructs. B) The amino acid sequence of the Oak1 precursor protein.