

Figure S1. Validation of INTACT system in tetraploid wheat Kronos

a) Full sequence of the wheat chimeric nuclear targeting fusion protein (NTF).

>**TtWPP-RFP-BLRP**

ATGGCTTCAGCGGCGCCAGATTTCCAGCCCCGGACATTCTCCATCAAACCTGTGGCCACCGAGTGAAAGCACTCGTCTGATGCTTGT
AGAGAGGATGACCAAGAACCTGTCTCTGAGTCAATCTTTTCTCGCAAGTATGGCCTTTTGGGCAAAGAAGAGGCCCATAGAATG
CCAAAAGGATTGAAGAGATGTGCTTTGCTTCTGCAGATGAGCATTTCAGAAGGAGCCTGATGGTGATGGGAGTTCTGCTGTCCAG
CTATATGCAAAAGAAACAAGCAAGCTGATGCTGGAAGTCCTCAAAAAAGGTCCGGGGACGACTGCGGAACCAGAAGCGGCCGCTGC
CTCCTCCGAGGACGTCATCAAGGAGTTCATGCGCTTCAAGGTGCGCATGGAGGGCTCCGTGAACGGCCACGAGTTCGAGATCGAGG
GCGAGGGCGAGGGCGCCCTACGAGGGCACCCAGACCGCAAGCTGAAGGTGACCAAGGGCGGGCCCTGCCCTTCGCCTGGGAC
ATCCTGTCCCTCAGTTCCAGTACGGCTCCAAGGCTACGTGAAGCACCCCGCCGACATCCCCGACTACTTGAAGCTGTCCTTCCC
CGAGGGCTTCAAGTGGGAGCGCGTGATGAACTTCGAGGACGGCGCGTGGTGACCGTGACCCAGGACTCCTCCCTGCAGGACGGCG
AGTTCATCTACAAGGTGAAGCTGCGCGGCACCAACTTCCCCTCCGACGGCCCCGTAATGCAGAAGAAGACCATGGGCTGGGAGGCC
TCCACCGAGCGGATGTACCCGAGGACGGCGCCCTGAAGGGCGAGATCAAGATGAGGCTGAAGCTGAAGGACGGCGGCCACTACGA
CGCCGAGGTCAAGACCACCTACATGGCCAAGAAGCCCGTGCAGCTGCCGCGCCTACAAGACCGACATCAAGCTGGACATCACCT
CCCACAACGAGGACTACACCATCGTGAACAGTACGAGCGCGCCGAGGGCGGCCACTCCACCGGCGCCTCCGGAGCTGCGGCCGT
GCCATGGCTGGTGGACTTAACGATATCTTCGAAGCTCAGAAGATTGAATGGCATGAGGATACTGGTGGATCTTGA

b) Picture of the complete gel used in Figure 1. This gel includes multiple F₁ lines from crosses between Kronos BirA and NTF transgenic plants (both heterozygous for the transgene). Genotypes of the F₁ plants were determined by PCR and are indicated above each lane. Note that the biotinylated NTF protein (black arrows) is detected only in F₁ plants that have both transgenes. Figure 1 in the main text shows results within the dotted yellow square.

