Figure S1  Monoplex and duplex tests determining suitability of XAWJL3 and Xedm80 as positive controls in multiplex tests of Ph1 specific markers. C = Chinese Spring, L = Langdon, R = Rusty. Monoplex and duplex tests are on left and right, respectively. Monoplex tests indicate XAWJL3 amplicons in all three genetic stocks. In duplex tests, XAWJL3 was amplified normally in Chinese Spring. Arrows point to absence of XAWJL3 amplicons due to poor or complete lack of amplification in duplex tests of Langdon and Rusty. Xedm80 was amplified normally in duplex tests for all genetic stocks indicating that it is better positive check when testing for Ph1 in Langdon or Rusty. Note the polymorphism in amplicon size for Xedm80 on Chinese Spring as compared to Langdon and Rusty.