Appendix A  Derivative of melting curves obtained from puroindoline-b assays of the qPCR standard dilution series: PINB Roche SYBR qPCR DNA assay (green) and PINB AB SYBR RT-qPCR RNA assay (blue), and the theoretical prediction of the derivative (red) for both amplicons (POLAND software, Steger (1994), GenBank accession number AY644011, nucleotides 703-843 and 2304-2444); thermodynamic parameters were selected as DNA 75 mM NaCl, Blake and Delcourt). The shift in the melting temperature of the peaks in the derivative of melting curve for PINB Roche SYBR qPCR DNA assay is likely due to differences in the composition of the qPCR reaction pre-mixes.
Appendix B  Screening WDV inoculated plants and uninoculated controls in the screening experiment 1 at 77 dpi: I-GP-1 to 4 (barley Golden Promise wild-type plants), I-J1-1 to 4 (barley Golden Promise plants with WDVRepA215), I-K5-1-1 to 4 and I-K5-3-1 to 4 (both barley Golden Promise plants with WDVRepA215RBRmut).