Table 1 Suppl. The sequences of primers for real-time PCR F - forward, R - reverse.

Target genes		Primers (5'-3')
qA4	wheat autophagy-related gene 4	F: TCAGTTCAGCCGTCGAAACA R: GAGCCATCAAGGTCCTCCG
qA5	wheat autophagy-related gene 5	F: TACGTGCGCAGAGTTCAAGA R:CAGCTCTAGCTGTGGGCTTC
qA6	wheat autophagy-related gene 6	F: CCAGGAAGAAAGAGATGCGGT R:TCCAATCACTCCATCGTGCG
qA7	wheat autophagy-related gene 7	F: TGGCCATCACTGCAGCATTA R:GGGAAGCCGTATCATTGCAG
qA9	wheat autophagy-related gene 9	F: TCCGGCATGCTCCTACAAAG R:GACAGTCATTGCCTGCCATA
qTubμlin	wheat β-tublin	F: GTGGAACTGGCTCTGGC R:CGCTCAATGTCAAGGGA

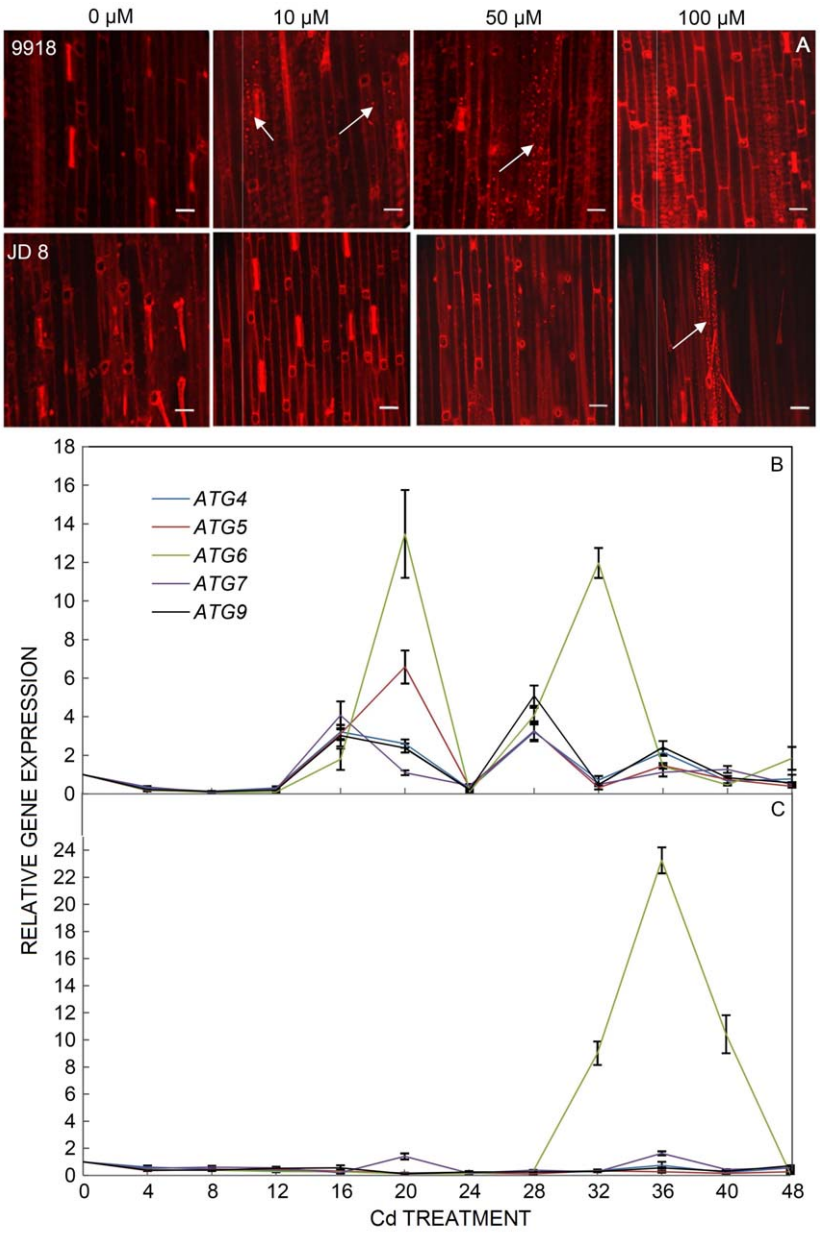

Fig. 1 Suppl. Autophagy activity in wheat leaf was induced by Cd stress. A - Autolysosomes were observed in 10 - 100 μM Cd-treated leaves of wheat plants using LysoTracker red (LTR) staining. *Bar* = 50 μm. *B* and *C* - Transcript expression patterns of *Autophagy-Related Genes* (*ATG*) in seedlings of Nannong 9918 (*B*) and JD 8 (*C*) during 100 μM Cd stress. Real-time RT-PCR analysis was performed using total RNA isolated from the leaves at the indicated time points. The 0 h time point was used as the untreated control. Expressions were normalized to those of wheat *β-tubulin*, which was used as the internal control. Means ± SEs from three independent experiments.