



**Additional File 1: Figure S1** Leaf transcriptome profiles of Cd stress-responsive genes in barley leaves. Venn diagrams show the number of genes regulated by Cd treatment (5  $\mu$ M Cd treatment for 15 d) and overlap between the two genotypes: Weisuobuzhi (W) and Dong17 (D). Number of genes for which transcript abundance increased (up), decreased (down) by >2-fold and no change (none) are shown in comparison to the control.