

Additional File 9: Table S8 List of genes down-regulated in both Weisuobuzhi and Dong17 after exposure to 5 μ M Cd for 15 d.

Annotation	Probe Set ID	Fold change*		Accession No	E-value
		(Cd vs control)			
		W	D		
Stress and defense response					
Glutathione-S-transferase Cla47 [<i>T. aestivum</i>]	Contig9764_at	-2.17	-2.03	AAL47687.1	7e-55
Pathogenesis-related protein PR-10a [<i>O. sativa</i>]	Contig4402_s_at	-4	-2.07	AAF85972.1	6e-29
Superoxide dismutase (Cu-Zn) [<i>T. aestivum</i>]	Contig3197_at	-3.31	-2.77	T06800	9e-83
Oxylase-like protein [<i>A. thaliana</i>]	Contig5345_s_at	-2.19	-5.52	NP_566623.1	9e-71
Transcription	Contig1169_at	-2.82	-2.36	S56685	9e-50
Histone H2B-8 [<i>T. aestivum</i>]	Contig23505_at	-2.04	-3.43	NP_113612.1	0.005
Chromosome 20 open reading frame 55 [<i>H. sapiens</i>]	Contig18878_at	-2.11	-2.01	NP_177928.1	3e-18
Carbohydrate metabolism					
Phosphoglycerate mutase [<i>A. thaliana</i>]					
Unknown classified					
Unnamed protein product [<i>H. sapiens</i>]	MitoContig10_x_at	-2.71	-3.12	BAB71593.1	0.6
Unknown protein [<i>O. sativa</i> (japonica)]	Contig10642_at	-2.04	-3.42	BAC10843.1	8e-40
None					
none	Contig23342_at	-2.57	-2.22	none	none

* The fold change represents the mean ratio of gene expression in leaves of the two genotypes exposed to 5 μ M Cd for 15 d over those in the control. Genes were considered up-regulated and down-regulated if the induction ratio was >2.0 and <-2.0, respectively.