Figure S1. Chlorophyll content changes in *B. carinata* seedlings under different concentrations of Cd treatment. a: Chlorophyll a content. b: Chlorophyll b content. c: Total chlorophyll content. Different letter represents the statistically different group determined by LSD method ($P < 0.05$). The error bar in chart indicates SE, and three replicates (n=3) per sample are prepared.

Figure S2. Validation of RNA-seq using qRT-PCR. The average FPKM value (black dot) and relative expression level (box) are shown in the figure. The error bar in chart indicates SE, and three replicates (n=3) per sample are prepared.

Figure S3. Venn diagrams and COG enrichment analysis of the DEGs in CKs *vs*. Cds and CKr *vs*. Cdr.

Figure S4. Clusters of differentially expressed *WRKY* genes in shoots and roots under Cd stress.