

**Additional file 6.** Summary of differentially expressed genes by tissue between the conditions. Venn diagrams illustrate the number of genes which expression was altered by heat stress on either wild type (WT) or OsMYB55 transgenic plants (M55). The diagrams show sample comparisons between the conditions for (**a**) leaf, (**b**) stem and (**c**) root. Red and blue numbers indicate up- and down-regulated genes, respectively.