

Table 5 Annotation of differentially expressed genes in transfection period and pink-white

Differential gene name	Number	Functional notes
Glutathione S-transferase	-	Molecular function: transferase activity
Copper oxidase	c96032.graph_c0	Molecular function: copper ion binding, redox process Cellular components: extracellular area
Copper oxidase	c95906.graph_c0	Molecular functions: copper ion binding, hydroquinone, oxygen oxidoreductase activity, oxidoreductase activity, oxidation of metal ions Biological process: lignin biosynthesis process, redox process, lignin catabolism process Cellular components: apoplast
Copper oxidase	c95851.graph_c0	Molecular functions: copper ion binding, hydroquinone, oxygen oxidoreductase activity, oxidoreductase activity, oxidation of metal ions Biological process: lignin biosynthesis process, redox process, lignin catabolism process Cellular components: apoplast
Cellulose synthase	-	Cellular components: integral components of cell walls and membranes, plasma membranes and cell wall tissues Biological process: response to osmotic pressure, lack of water, plant-type secondary cell wall biogenesis, cellulose biosynthesis process, cell movement. Molecular function: cellulose synthase activity, metal ion binding