Supplement Materials

Table S1. Spearman rank correlation between copper amount in plant, biochemical traits, and relative genes expression, shown as *r*. Strong ($r \geq 0.8$) and highly significant ($p < 0.01$) correlations (bold).

Root													
	Cu	**H_2O_2**	**MDA**	**Phenolics**	**KL**	**ASL**	***PAL***	***C4H***	***4CL***	***CCR***	***CAD***	***PRX***	***LAC***
Cu	1	**0.94**	**0.87**	**–0.94**	0.74	**–0.88**	–0.69	**0.94**	**0.94**	–0.69	0.75	**0.94**	–0.69
H_2O_2		1	**0.87**	**–0.89**	0.74	–0.77	–0.69	**0.93**	**0.94**	–0.69	0.76	**0.94**	–0.69
MDA			1	**–0.86**	**0.95**	**–0.87**	**–0.93**	**0.90**	**0.93**	**–0.89**	**0.89**	**0.93**	**–0.89**
Phenolics				1	**–0.83**	**0.94**	0.75	**–0.88**	**–0.88**	0.75	**–0.88**	**–0.88**	0.76
KL					1	**–0.83**	**–0.98**	0.78	0.78	**–0.98**	**0.98**	0.79	**–0.98**
ASL						1	0.75	**–0.88**	**–0.87**	0.74	**–0.88**	**–0.88**	0.76
PAL							1	–0.74	–0.74	**0.99**	**–0.93**	–0.74	**0.99**
C4H								1	**0.99**	**0.99**	**0.80**	**0.99**	–0.74
4CL									1	–0.74	**0.80**	**0.99**	–0.74
CCR										1	**0.93**	0.74	**0.99**
CAD											1	**0.81**	**–0.93**
PRX												1	–0.74
LAC													1
Stem													
	Cu	**H_2O_2**	**MDA**	**Phenolics**	**KL**	**ASL**	***PAL***	***C4H***	***4CL***	***CCR***	***CAD***	***PRX***	***LAC***
Cu	1	**–0.94**	**0.88**	–0.71	**0.89**	–0.54	**0.94**	–0.70	**0.94**	0.58	0.76	**0.94**	–0.69
H_2O_2		1	**–0.88**	–0.66	**–0.94**	0.60	**–0.88**	0.76	**–0.88**	–0.33	**–0.88**	**–0.88**	0.76
MDA			1	**–0.86**	**0.88**	**–0.89**	**0.93**	**–0.93**	**0.93**	0.31	**0.91**	**0.90**	**–0.93**
Phenolics				1	–0.67	**0.82**	**–0.88**	0.76	**–0.87**	–0.52	–0.68	**–0.89**	0.76
KL					1	–0.66	**0.88**	–0.76	**0.88**	0.33	**0.86**	0.88	–0.74
ASL						1	–0.69	**0.93**	–0.69	0.03	**–0.88**	–0.70	**0.94**
PAL							1	–0.74	**0.99**	0.61	**0.81**	**0.99**	–0.74
C4H								1	–0.74	0.03	**–0.93**	–0.74	**0.99**
4CL									1	0.61	**0.81**	**0.99**	–0.74
CCR										1	0.03	0.61	0.03
CAD											1	**0.80**	**–0.93**
PRX												1	–0.71
LAC													1