

Additional File 3. Subcellular localization and class of differentially expressed peroxidase genes in this study.

Genotype	Probeset ID	Arabidopsis Accession	E-value	Gene description	Prediction of localization		Class of peroxidase
					Targetp	SUBA	
M	Cit.26455.1.S1_at	AT5G67400.1	9.00E-61	peroxidase 73 (PER73) (P73) (PRXR11)	Extracellular	Extracellular	Class III peroxidase
	Cit.13855.1.S1_at	AT1G68850.1	1.00E-130	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.30798.1.S1_at	AT5G05340.1	1.00E-95	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.1827.1.S1_s_at	AT5G06730.1	1.00E-117	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.1827.1.S1_at	AT5G06730.1	1.00E-117	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.13606.1.S1_at	AT5G58390.1	5.00E-83	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
RB	Cit.858.1.S1_s_at	AT1G71695.1	1.00E-118	peroxidase 12 (PER12) (P12) (PRXR6)	Extracellular	Extracellular	Class III peroxidase
	Cit.16394.1.S1_at	AT5G66390.1	1.00E-116	peroxidase 72 (PER72) (P72) (PRXR8)	Extracellular	Extracellular	Class III peroxidase
	Cit.26455.1.S1_at	AT5G67400.1	9.00E-61	peroxidase 73 (PER73) (P73) (PRXR11)	Extracellular	Extracellular	Class III peroxidase
	Cit.13855.1.S1_at	AT1G68850.1	1.00E-130	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.11855.1.S1_s_at	AT5G05340.1	1.00E-103	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.30798.1.S1_at	AT5G05340.1	1.00E-95	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.8515.1.S1_s_at	AT5G06720.1	1.00E-116	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.8515.1.S1_x_at	AT5G06730.1	1.00E-106	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.13606.1.S1_at	AT5G58390.1	5.00E-83	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.8282.1.S1_s_at	AT1G05260.1	1.00E-123	RCI3 (RARE COLD INDUCIBLE GENE 3); peroxidase	Extracellular	Extracellular	Class III peroxidase
SBT	Cit.16394.1.S1_at	AT5G66390.1	1.00E-116	peroxidase 72 (PER72) (P72) (PRXR8)	Extracellular	Extracellular	Class III peroxidase
	Cit.26455.1.S1_at	AT5G67400.1	9.00E-61	peroxidase 73 (PER73) (P73) (PRXR11)	Extracellular	Extracellular	Class III peroxidase
	Cit.13855.1.S1_at	AT1G68850.1	1.00E-130	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.30798.1.S1_at	AT5G05340.1	1.00E-95	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.11855.1.S1_s_at	AT5G05340.1	1.00E-103	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.23268.1.S1_s_at	AT5G05340.1	1.00E-110	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.8509.1.S1_s_at	AT5G06720.1	1.00E-113	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.8515.1.S1_s_at	AT5G06720.1	1.00E-116	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.1827.1.S1_s_at	AT5G06730.1	1.00E-117	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.1827.1.S1_at	AT5G06730.1	1.00E-117	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.13606.1.S1_at	AT5G58390.1	5.00E-83	peroxidase, putative	Extracellular	Extracellular	Class III peroxidase
	Cit.16262.1.S1_at	AT1G05260.1	3.00E-20	RCI3 (RARE COLD INDUCIBLE GENE 3); peroxidase	Extracellular	Extracellular	Class III peroxidase

Prediction of subcellular localization were carried out using TargetP (<http://www.cbs.dtu.dk/services/TargetP/>) and SUBA3 (<http://suba.plantenergy.uwa.edu.au/>). Class of peroxidase was based on the PeroxiBase analysis (<https://peroxidase.toulouse.inra.fr/tools/peroxiscan.php>).