

Table S6. Validation of microarray data by qRT-PCR

Gene Identifier	Annotation
LOC_Os11g41680	Cytochrome P450 71D10
LOC_Os04g48930	Ferric-chelate reductase
LOC_Os09g36680	Ribonuclease 3 precursor
LOC_Os07g48050	Peroxidase precursor
LOC_Os04g09900	Ent-kaurene synthase A, chloroplast precursor
LOC_Os10g21670	Dehydration stress-induced protein
LOC_Os09g23530	Aryl-alcohol dehydrogenase
LOC_Os08g44270	Vignain precursor
LOC_Os08g36480	Nitrate reductase 1
LOC_Os02g52730	Ferredoxin--nitrite reductase, chloroplast precursor
LOC_Os03g01290	Nitrate transporter (NRT1.1C)
LOC_Os01g37590	Nitrate transporter (NRT1.4)
LOC_Os03g56869	Ribose-5-phosphate isomerase A
LOC_Os12g17600	Ribulose biphosphate carboxylase small chain C, chloroplast precursor
LOC_Os10g37180	Glycine decarboxylase, mitochondrial precursor

Gene ontology	log2 microarray (Si,m vs Ctrl,m)	log2 qRT-PCR (Si,m vs Ctrl,m)
Oxidation-reduction process	4,97	2,18
Iron assimilation	4,12	2,35
RNA binding	3,68	3,02
Response to oxidative stress	-1,84	-0,58
Metabolic process	-5,28	-5,85
Unclassified	-5,97	-7,11
Metabolic process	0,00	0,43
Proteolysis	0,01	0,03
Nitrogen metabolism	1,61	1,67
Nitrogen metabolism	1,73	1,60
Nitrogen assimilation	3,57	3,76
Nitrogen assimilation	1,99	1,55
Photorespiration	2,02	1,38
Photorespiration	1,73	1,27
Photorespiration	2,03	1,16