

Table S3: Genes differentially or specifically regulated during nodulation in *Casuarina glauca*.

NOD (NODule) and NIR (Non Inoculated Root) are mean values of three biological replicates. Fold Change (FC) is the ratio between NOD and NIR. The significant difference of gene expression between root and nodule was assessed by a t-Student test at $p < 0.01$.

A- Genes up- (FC ≥ 2) and down-regulated (FC ≤ 0.5).

B- Genes specifically induced or repressed in nodule

Probes accession numbers are available in GEO database, www.ncbi.nlm.nih.gov/geo (GPL10929).

A- Genes differentially regulated

Probe Name	NOD	NIR	FC	T-student	Sequence homology
UP-REGULATED					
CGCL2388Contig1	2685.01	0.825	3256.27	0.00180	nucleoid dna binding protein cnd41
CGCL139Contig1	3456.71	1.269	2724.01	0.00287	NA
CGCL244Contig1	3365.88	1.252	2689.17	0.00457	NA
CGCL683Contig1	497.26	0.233	2136.16	0.00245	cysteine-rich protein
CG-N02f_001_B22	588.41	0.505	1166.02	0.00471	purine transmembrane transporter
CGCL1417Contig1	569.74	0.554	1027.49	0.00080	multidrug/pheromone exporter, MDR family, ABC transporter family
CG-N02f_022_D11	645.94	0.846	763.95	0.00057	NA
CG-N02f_017_B16	705.28	1.143	616.81	0.00505	cellulase containing protein
CGCL1398Contig1	443.96	0.989	448.81	0.00562	NA
CGCL167Contig1	516.50	1.387	372.36	0.00667	NA
CG-N02f_031_K14	245.20	0.813	301.55	0.00005	flavanone 3-beta-hydroxylase
CG-N02f_029_M21	228.00	0.780	292.47	0.00121	aaa type atpase family protein
CGCL2384Contig1	116.96	0.528	221.47	0.00245	NA
CGCL291Contig1	150.55	0.697	216.13	0.00081	NA
CG-N02f_007_K17	159.66	0.796	200.54	0.00389	NA
CGCL2872Contig1	239.71	1.422	168.62	0.00172	bifunctional nuclease
CG-N02f_033_F11	124.40	0.748	166.22	0.00242	NA
CG-N02f_002_L04	51.47	0.409	125.82	0.00219	disease resistance-responsive family protein
CG-N02f_028_L08	44.01	0.353	124.61	0.00966	peroxidase 1
CG-N02f_005_A03	71.71	0.625	114.77	0.00349	invertase pectin methyl-esterase inhibitor family protein
CG-N02f_025_D13	25.12	0.236	106.47	0.00323	brain protein 44like
CG-N02f_038_O05	80.66	0.821	98.25	0.00137	NA
CG-N01f_008_D11	99.96	1.075	92.99	0.00035	spore coat protein
CG-N02f_027_C20	59.32	0.690	85.99	0.00079	metal transport protein
CGCL606Contig1	42.78	0.511	83.70	0.00188	NA
CG-N01f_011_E12	54.04	0.718	75.28	0.00257	glycosyl hydrolase family 38 protein