Table S2: Genes differencially or specifically regulated during nodulation in *Alnus glutinosa*.
NOD (NODule) and NIR (Non Inoculated Root) are mean values of three biological replicates. Fold Change (FC) is the ratio between
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 nodu

Probes accession numbers are available in GEO database, www.ncbi.nlm.nih.gov/geo (GSE24153).

A- Genes differencially regulated

Probe Name	NOD	NIR	FC	T-student	Sequence homology
UP-REGULATED					
AGCL10Contig3	1168.910	0.759	**1539.56**	0.00921	actinorizal nodulin ghrp
AGCL23Contig1	41.424	0.037	**1123.35**	0.00008	gamma-expansin natriuretic peptide
AG-N01f_001_E15	111.833	0.232	**481.46**	0.00166	receptor protein kinase perk-like
AG-N01f_021_C14	213.496	0.532	**400.94**	0.00965	integral membrane family protein
AG-N01f_032_M24	236.708	0.774	**305.73**	0.00945	PMR5 (POWDERY MILDEW RESISTANT 5)
AG-R01f_030_G24	251.067	0.871	**288.39**	0.00427	Ntp27like protein
AG-N01f_011_P13	64.110	0.231	**277.20**	0.00615	NA
AG-N01f_002_I06	161.986	0.615	**263.57**	0.00909	NA
AGCL454Contig1	189.715	0.789	**240.45**	0.00321	NA
AG-N01f_017_D15	95.229	0.548	**173.71**	0.00566	betatubulin 14
AGCL3713Contig1	103.018	0.665	**155.02**	0.00124	defensin amp1 protein
AG-N01f_032_B10	64.597	0.476	**135.71**	0.00123	anthocyanin-O-methyltransferase
AGCL563Contig1	101.753	0.801	**127.02**	0.00792	NA
AGCL1540Contig1	44.679	0.448	**99.80**	0.00567	NA
AG-N01f_041_J16	43.213	0.465	**93.01**	0.00950	NA
AGCL726Contig1	1.182	0.014	**85.59**	0.00803	NA
AG-N01f_016_D15	47.323	0.576	**82.23**	0.00508	NA
AGCL2340Contig1	12.062	0.149	**81.09**	0.00239	cellulose synthase catalytic subunit
AG-R01f_024_I03	1.064	0.016	**65.66**	0.00451	NA
AG-N01f_026_N11	19.300	0.309	**62.42**	0.00246	NA
AG-N01f_042_N07	58.338	0.958	**60.88**	0.00989	amino acid permeaselike protein
AGCL3383Contig1	31.413	0.539	**58.33**	0.00635	NA
AGCL3639Contig1	33.848	0.610	**55.49**	0.00927	NA
AGCL3012Contig1	34.412	0.628	**54.81**	0.00334	NA
AG-N01f_025_P14	46.139	0.895	**51.52**	0.00628	NA
AG-R01f_010_G21	1.017	0.021	**49.34**	0.00177	cytochrome oxidase subunit ii
AGCL2272Contig1	52.619	1.067	**49.33**	0.00014	ac006341_8contains a pf
AG-N01f_036_O07	40.334	0.831	**48.52**	0.00631	nucellinlike protein