Table S6 : *Casuarina glauca* homologs of *Lotus japonicus* or *Medicago truncatula* genes involved in Nod factor signal trans
[a] : Probe flagged as present in nodules, but absent in non inoculated roots;
[b] : EST non entirely sequenced;
[c] : Accession number of the longest EST component of contig is indicated;
[d]: Cluster reference from the Medicago EST Navigation System database (medicago.toulouse.inra.fr/Mt/EST);
*: Blast analysis performed by tBlastn since sequence was not present in NCBI nr database;
** : Due to incorrect probe sequence, hybridization values were non valid (NV).

Mt or Lj Homolog	Clone name	ccession numb	EST length (nt)	Blast description				
				Description	E-value	Identities (%)	AA coverage	gume homolog length (A	Coverage (%)
Lys6/Lyk3/Nfr1	CG-J04f_005_A06	FQ325320	544	BAI79273.1 LysM type receptor kinase (Lys6) [Lotus japonicus]	7e-45	67	223-398	622	28
				CAM06621.1 LysM receptor kinase 3 (Lyk3) [Medicago truncatula]	1e-43	61	220-397	620	29
					4e-42	64	246-400	623	25
SYMREM1 (Remorin)	CGCL460Contig1	FQ313698	1190	BG580614 EST482341 GVN Medicago truncatula cDNA clone*	8e-40*	41*	16-192*	199	89
CASTOR/DMI1	CG-N02f_020_I23	FQ364257	445		3e-11	76	812-887	853	9
					5e-10	73	783-824	824	5
Nup133	CG-R01f_008_G0	CO037484	600	CAI64810.1 nucleoporin [Lotus japonicus]	7e-71	70	667-862	1309	15
CCaMK	CG-N02f_015_D0	FQ312567	841	CAJ76699.1 calcium calmodulin-dependent protein kinase (CCaMK) [Lotus ja	1e-56	73	5-163	518	31
	CG-	FQ321507		Q6RET7.1 Ca2+ and calmodulin-dependent protein kinase DMI-3 [Medicago t	3e-56	72	5-169	523	31
IPD3/CYCLOPS	CG-N02f_019_M2	FQ364345	726	ABU63668.1 CYCLOPS [Lotus japonicus]	9e-14	67	9-71	518	12
				ABN45743.1| interacting protein of DMI3 [Medicago truncatula]	4e-11	65	9-62	513	11
Hap2-1	CG-R02f_031_L1(	FQ373065	441	BAG50060.1 transcription factor CCAAT (CBF-A01) [Lotus japonicus]	2e-29	64	193-301	332	33
				ABP68866.1 CCAAT-binding transcription factor (Hap2-1) [Medicago truncat	4e-29	62	198-305	333	32
ERN1	CGCL2063Contig1	CO037220	964	ABW06102.2 ERN1 [Medicago truncatula]	9e-49	52	10-268	268	97
CPP-L56	CGCL3166Contig1	FQ326574	539	BAG50072.1 transcription factor CPP [Lotus japonicus]	9e-21	56	620-761	764	19
HK1	CG-R02f_030_E1(	FQ373223	632	ABI48271.1 histidine kinase 1 [Lotus japonicus]	1e-25	33	371-633	993	27
NIN	CG-N02f_020_O1(	FQ364222	617	CAB61243.1 Gene info nodule inception protein [Lotus japonicus]	6e-73	71	194-390	878	22
Cyp2 (Cystein proteinase)	CGCL3220Contig1	FQ316128	364	BAF56428.1 cysteine proteinase (Cyp2) [Lotus japonicus]	6e-24	80	282-341	342	18
Cyp4 (Cystein proteinase)	CG-GI1f_006_K0	FQ316262	711	BAF56430.1 cysteine proteinase (Cyp4) [Lotus japonicus]	5e-67	72	28-210	341	54
HMGR	CG-R02f_018_E1	FQ374451	766	ABY20976.1 3-hydroxy-3-methylglutaryl coenzyme A reductase 5 [Medicago t	2e-171	100	258-583	583	56

LIN / CERBERUS	CG-N02f_036_G2(	FQ362704	721	ACL14419.1 putative E3 ubiquitin ligase [Medicago truncatula]	7e-82	69	1275-1488	1488	14
				BAH86605.1 U-box protein with unknown function [Lotus japonicus]	5e-78	67	1264-1477	1477	14
RALFL1	CG-N02f_001_L05	FQ366402	647	MtC90970_GC[d] MtRALFL1 [Medicago truncatula]*	6e-30*	54*	30-140*	146	76*

Reference	FC NOD/RNI Array	FC NOD/RNI qRTPCR	Comparison of the expression with reported Legume homolog expression in nodules vs uninoculated roots	Ag Homolog Clone name
Lohmann et al. 2010 Mol Plant-Microbe Interact 23: 510-521 Smit et al. 2007 Plant Physiol 145: 183 191 Radutoiu et al. 2003 Nature 425: 585-592	0.6	ND	no obvious expression change in 4-w-old nodules repressed in 4-w-old nodules	AG-R01_025_F02
Lefebvre et al. 2010 PNAS 107 2343-2348	17,86	ND	highly induced in nodules	AG-N01f_042_I06
Imaizumi-Anraku et al. 2005 Nature 433: 527-531	6.7	5.8	no expression change	
Kanamori et al. 2006 PNAS 103: 359-364	1.6		no expression change	
Tirichine et al. 2006 Nature 44: 1153-1156 Lévy et al. 2004 Science 303 1361-1364; Mitra et al. 2004 PNAS 1	1.1 1.6	ND ND	minor induction in nodules at 12 dpi	AG-N01f_019_F12
Yano et al. 2008 PNAS 105: 20540-20545 Messinese et al. 2007 Mol Plant-Microbe Interact 20 212-221	4.9	3.5	3-fold induction in nodules 3 wpi	
Asamizu et al. 2008 Plant Physiol 147:2030-2040 Combier et al, 2008 Gen Dev 22: 1549-1559	NV**	17	12.2-fold induction in nodules at 12 dpi expression nodule specific and maximal in young developing nodules	AG-N01f_037_P09
Andriankaja et al. 2007 Plant Cell 19: 2866-2885	2.7	2.8	2-fold increase in nodules at 4 dpi and 2-fold decrease at 10 dpi	
Asamizu et al. 2008 Plant Physiol 147:2030-2040	9.1	8,9	unable to detect induced expression	
Tirichine et al. 2007 Science 315: 104-107	0.2	0.1	no expression change	
Schauser et al. 2005 Nature 402: 191-195	29.8	ND	Strong induction in nodules at 20 dpi	
Deguchi et al. 2007 DNA Research 14: 117-133	200	ND	increased expression after establishment of symbiosis with arbuscular myc	AG-J07f_008_O08
Deguchi et al. 2007 DNA Research 14: 117-133 Manthey et al. 2004 Mol Plant-Microbe Interact 17 1063-1077	42	ND	increased expression after establishment of symbiosis with arbuscular mycorrhizal fungi	
Kevei et al. 2007 Plant Cell 19: 3974-3989	0.4	0.4	decreased expression in nodule.	

Kiss et al. 2009 Plant Physiol 151: 1239-1249 Yano et al. 2009 Plant J 60: 168-180	4.2	3.3	increaded expression in nodule (7.5-fold increase at 12 dpi)	
Combier et al. 2008 Mol Plant-Microbe Interact 21 1118-1127	3.0	ND	weak, transient 1.4-fold induction in nodules at 4 dpi, followed by 3-fold rep	AG-N01f_013_P10