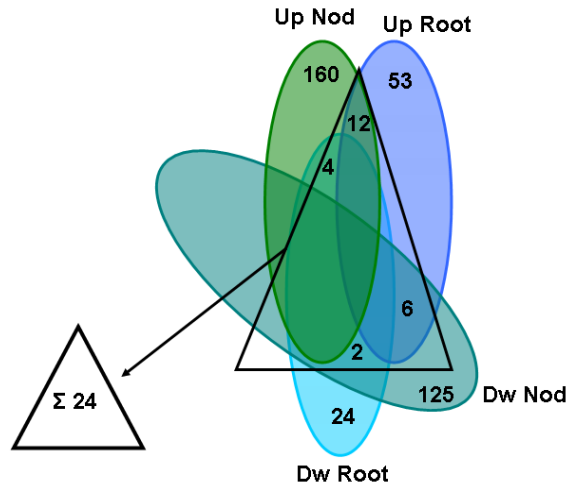


Supplemental Figure S1.

A



B

EST/TC Identification	GeneBank Accession No. of EST	Annotation	Nodule Expression ratio -P/+P	Root Expression ratio -P/+P
Up Nod, Up Root				
RTS_103_G05/TC5687	CV541336	Q8LPQ8 Monosaccharide-sensing protein 2	4.85	2
RTS_122_G12/TC6630	CV542619	Q56YU0 Aldehyde dehydrogenase family 2 member C4	4.02	3.48
TC3799	-----	P14009 14 kDa proline-rich protein DC2.15	2.8	2.43
RTS_119_D05/TC3380	CV542360	Q4U0Y4 Nucleosome assembly protein 1-like 1-A	2.73	3.09
RTS_142_A06/TC4562	CV543967	Q9SK39 Putative steroid-binding protein 3	2.6	2.34
TC3033	-----	P25985 Pathogenesis-related protein 1	2.41	3
TC5870	-----	Q5J907 Translationally-controlled tumor protein homolog	2.34	3.72
RTS_121_B11/TC4498	CV542500	O60176 Uncharacterized RNA-binding protein	2.2	3.21
RTS_123_H06	CV542691	P46302 40S ribosomal protein S28	2.16	2.2
RTS_101_B01/TC2965	CV541126	Q96552 S-adenosylmethionine synthetase 2	2.13	2
RTS_123_C03/TC4497	CV542648	Q6UNT2 60S ribosomal protein L5	2.11	2.17
RTS_104_E06	CV541391	Q2HRE0 C2	2.01	6.18
Up Nod, Dw Root				
TC4262	-----	Q43291 60S ribosomal protein L21-1	3.04	-2.15
RTS_132_A02	EH791093	Q9ZVM9 Putative serine/threonine-protein kinase	3.04	-2.29
RTS_143_D10	CV544078	O74326 Poly(A) RNA polymerase cid11	2.15	-2.76
RTS_140_E05/TC3478	CV543867	P31167 ADP,ATP carrier protein 1, mitochondrial	2.02	-2.43
Dw Nod, Up Root				
TC4133	-----	Q9M1G9 Extensin 2	-5.59	2.4
TC6344	-----	Q5DTI8 Extended synaptotagmin-3	-4.06	2.51
RTS_102_F11/TC5055	CV541259	Q8LCS8 Membrane-anchored ubiquitin-fold protein 2	-3.1	2.3
RTS_101_C10/TC3943	CV541144	P31239 1-aminocyclopropane-1-carboxylate oxidase	-2.91	3.59
TC6005	-----	Q9FG34 Peroxidase 54	-2.73	2.31
RTS_123_D12/TC4537	CV542660	P87216 Protein vip1	-2.5	2
Dw Nod, Dw Root				
TC7398	-----	Q9M4D8 S-adenosylmethionine decarboxylase proenzyme	-2.65	-2.82
TC6495	-----	Q6S4P4 Transcription factor RF2b	-2.66	-2.76

Supplemental Figure S1. Differentially expressed genes common to roots and nodules from P-deficient bean plants. Gene expression was quantified by macroarray analyses from bean roots (Hernández et al., 2007) or nodules (Tables SI and SII) under P deficiency. A. Flower diagram showing the number of genes that are up regulated in nodules (Up Nod) or roots (Up Root) or down regulated (Dw) in each organ. B. List of differentially expressed genes (24) common to nodule and root.