

Title of the article

An intergenic bidirectional promoter driven novel lncRNA (*LjPLR*) modulates the gene expression of a late nodulin in *Lotus japonicus*

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Supplementary Figures

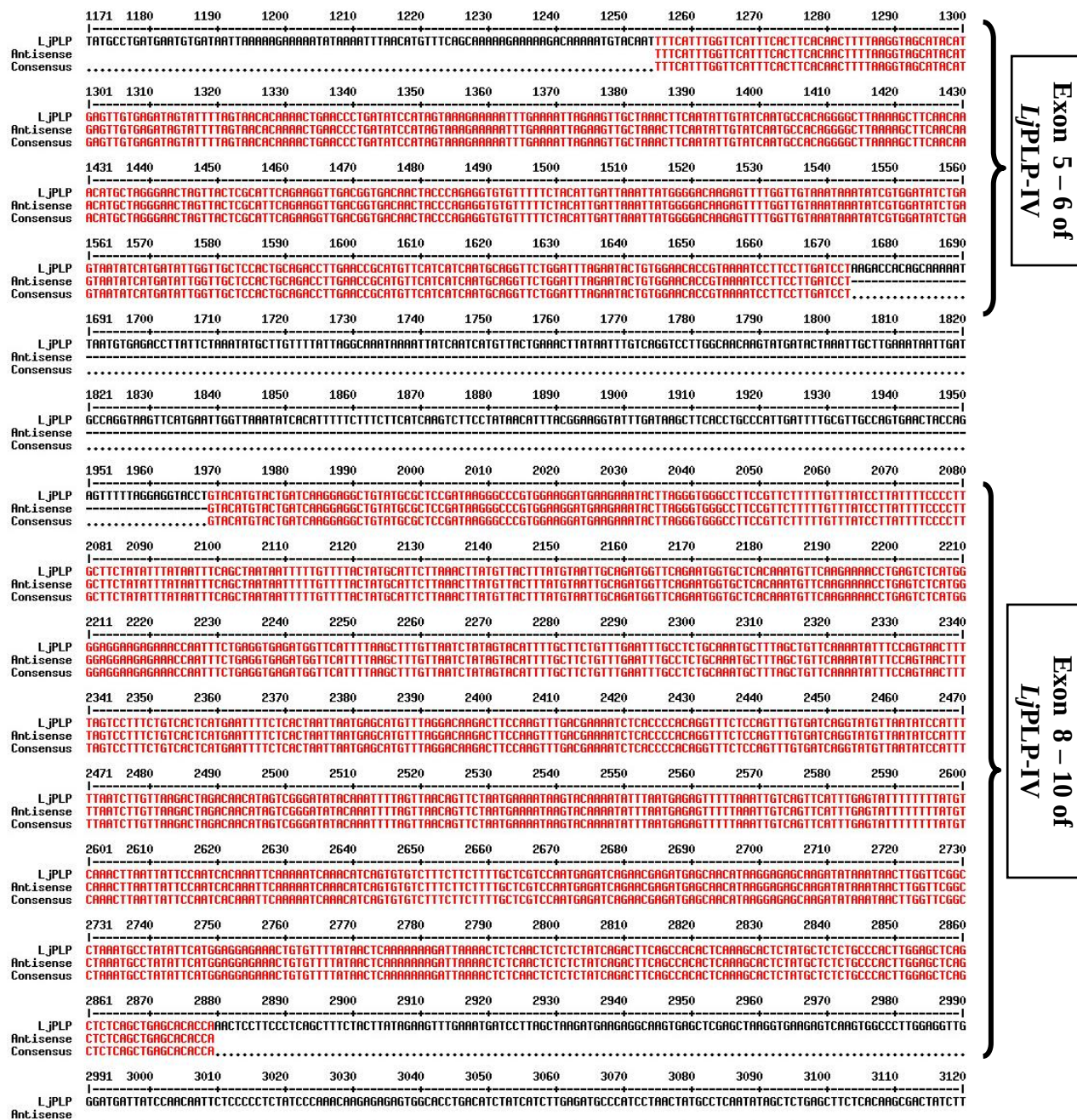


Fig. S1 Sequence Alignment of *Lj*PLPIV with putative lncRNA (*Lj*PLR) using MultAlin tool.

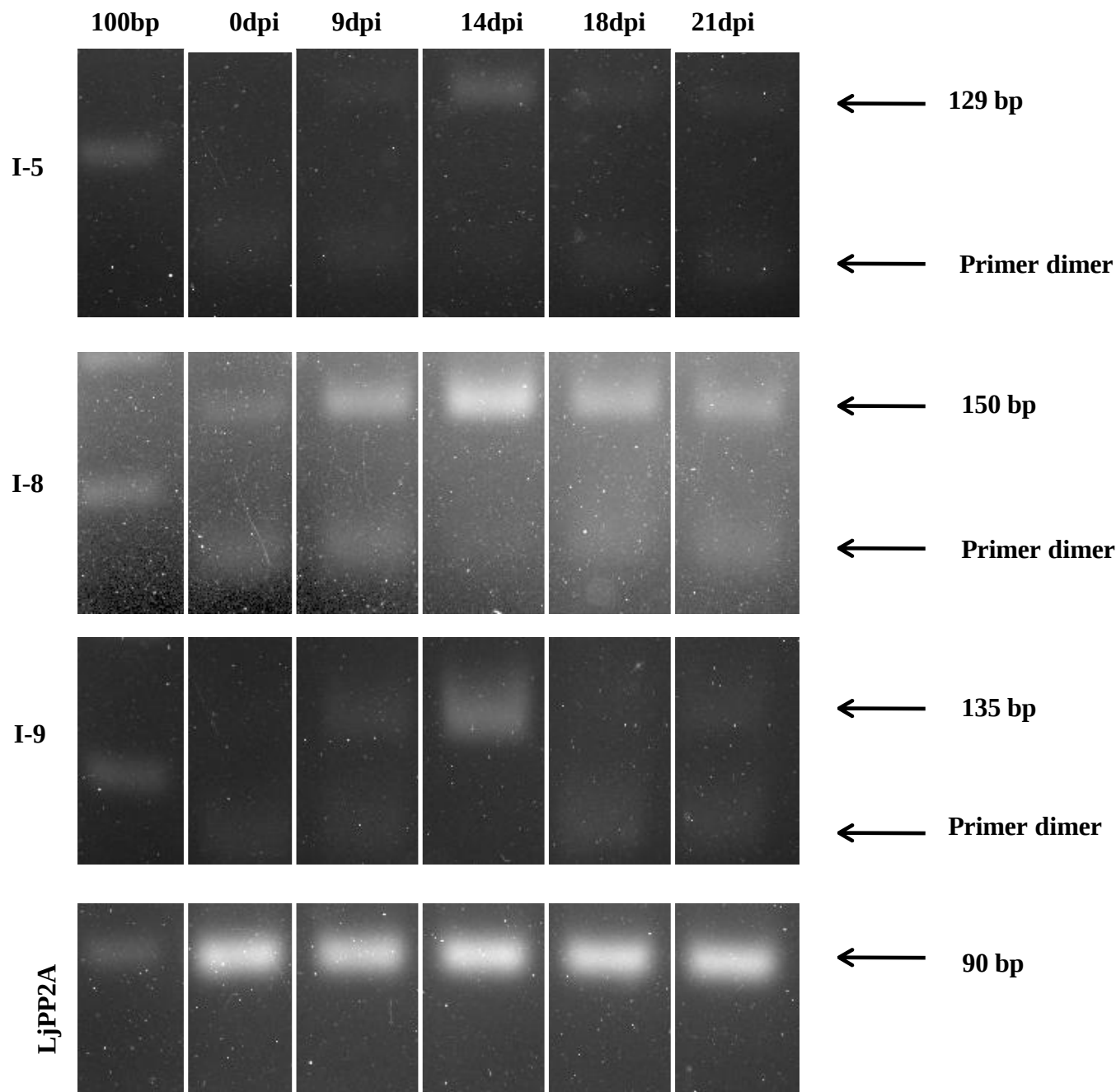


Fig. S2: PCR amplification of different regions of the lncRNA (I-5, I-8 and I-9 amplicons) from the cDNA obtained from total RNA isolated from the root nodules harvested at indicated dpi. *LjPP2A* was used as an internal control.

Description ▼	Scientific Name ▼	Max Score ▼	Total Score ▼	Query Cover ▼	E value ▼	Per. Ident ▼	Acc. Len ▼	Accession
LjPLP_4		1649	2406	100%	0.0	100.00%	4920	Query_6397235
LjPLP_2		234	371	48%	7e-64	74.04%	5571	Query_6397233
LjPLP_1		123	202	12%	3e-30	93.75%	1989	Query_6397232
LjPLP_3		56.3	109	11%	4e-10	77.94%	2256	Query_6397234

Graphic Summary

Distribution of the top 8 Blast Hits on 4 subject sequences

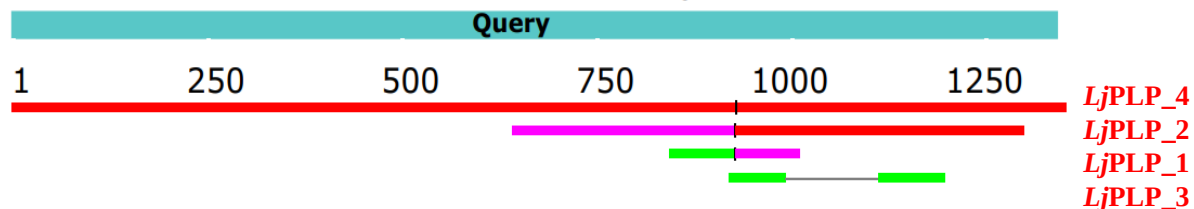


Fig. S3 Multiple Sequence Alignment among the different members of *LjPLP* family using NCBI blastn suite. *LjPLP*-IV (*LjPLP_4*) sequence was used as a query. The alignment result shows that *LjPLP*-I (*LjPLP_1*), *LjPLP*-II (*LjPLP_2*) and *LjPLP*-III (*LjPLP_3*) have only 48%, 12% and 11% sequence coverage with query, *LjPLP*-IV respectively.