Supporting Information

Lentils can Absorb Amino Acids as a Nitrogen Source Supporting Early Growth

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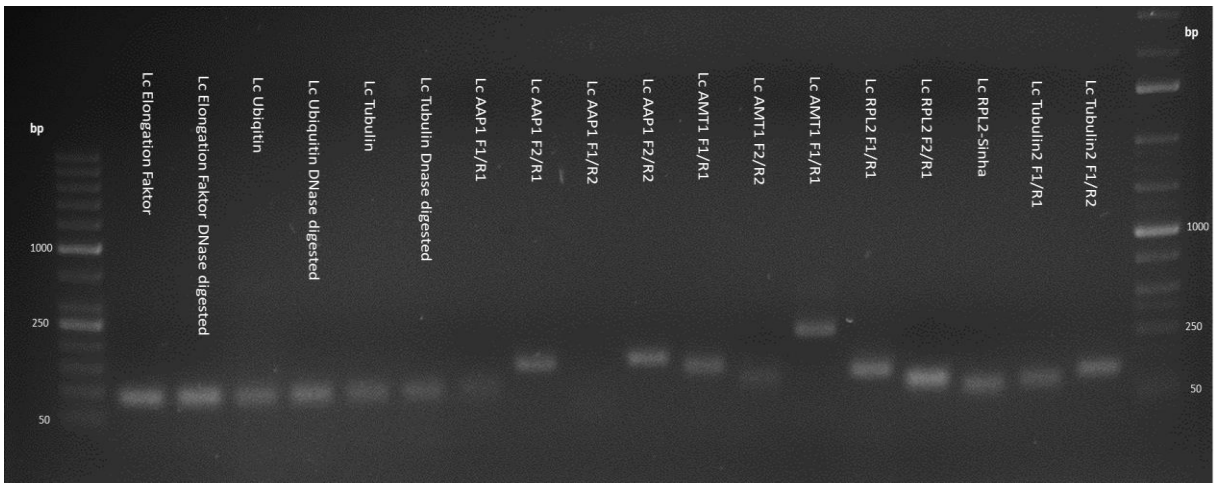
SUPPLEMENTAL TABLE 1. Sequence of primers used for gRT-PCR analysis. Organism and annotated gene used for BLAST search; reference genes: Tub and EF1; genes of interest: NPF1/NRT1, NRT2.1, AMT2, DUR3, LHT1.

Gen	Forward Primer (5'-3')	Reverse Primer (5'-3')	Ampli-con length [bp]	Organism	Annotated gene as basis for BLAST search at https://knowpulse.usask.ca/blast/nucleotide/nucleotide	Reference
EF1	CCGTGAGCACGCACTTCTT	GGGTGGTAGCATCCATCTTG	80	*Glycine max*	NM_001250496.1	Sinha et al., 2019
Tub	TGAATCTGATTCCATTCCCTCGC	TGAGTTCTGGTACACTCAAAGCC	105	*Glycine max*	NM_001358285.1	NCBI
NPF/NRT1	GTTTGGTTGGTTTTGCTGAGG	CCTGTCCCAAGTCCAAGTG	121	*Medicago truncatula*	XM_024772680.2	Morère-Le Paven et al., 2011
NRT2.1	GTGGGAACTTTGGTTCTGGA	CTAGACTCACAGGAAGTGTGC	123	*Lotus japonicus* *Medicago truncatula*	AJ292342.1 XM_013600520.3	NCBI Pellizzaro et al., 2015
AMT2	GCAATAGCACCAGCATACGAAG	CATGCTTTGGAGACCAACAAG	111	*Medicago truncatula* *Medicago truncatula*	AY122328.1 and MTR_7g069640	NCBI Straub et al., 2014
DUR3	TGCTTCTGGAACTGCCTGTATG	GGGACACCATCCAAACTGTC	113	*Glycine max* *Medicago truncatula*	XM_003523856.3 XM_003612535.4	NCBI NCBI
LHT1	GGCAAATCTTGGATGGGGTC	TCCAGGGACCATTTCATGC	106	*Arabidopsis thaliana*	NM_180778.4	NCBI



SUPPLEMENTAL FIGURE 1. Test of the PCR product size of amplicons of different primer pairs on 1.5 %-agarose gel.