

Table 1 Suppl. List of primers used for quantitative real-time PCR analysis.

Name	Gene ID	Description	Forward primer (5' to 3')	Reverse primer (5' to 3')
<i>NR</i>	Maker00000389	NR: Nitrate reductase	GGAAACATCCCTTCAACT CT	CAGTCTTCCCATGTTGACTT
<i>GS</i>	Maker00006422	GS: Glutamine synthetase	ATTATGGGTTGCTCGTTA CA	ACTTGGTGCTGTAATTTGTG
<i>NADH-GOGAT</i>	Maker00018608	NADH-GOGAT: Glutamate synthase 1 [NADH]	TATGTTCACTTTCCTCAC GG	AACGCTCCAGAACCTATTT C
<i>Fd-GOGAT</i>	Maker00006484	Fd-GOGAT: Ferredoxin-dependent glutamate synthase	CAATACTCTCATCCCCAA GG	TTCAACATGGGCTTCGATA A
<i>NRT1</i>	Maker00017124	NRT1: Nitrate transporter 1	AAGGGGAGATTGGACTA CTT	GCAGTTTTTCCATGCTCAAT
<i>NRT1.1</i>	Maker00015286	NRT1.1: Nitrate transporter 1.1	ACGGCTGAGATTCCATTA AG	GTCTTCATCCCTTTTGGACA
<i>NRT1.7</i>	Maker00010822	NRT1.7: Nitrate transporter 1.7	CCCCGATCACATGAAAA GTA	ATCATTAGTCAACCAGTCG G
<i>NRT2.7</i>	Maker00013007	NRT2.7: High affinity nitrate transporter 2.7	CAGCTACTAATGCCACTG AT	CCGAGGGAACAATAAAAA CG
<i>AMT1.1</i>	Maker00001672	AMT1.1: Ammonium transporter 1 member 1	TCATGCTCACCAACGTCC TC	GGCCGATGAAGCCATTTGA G
<i>AMT1.2</i>	Maker00000035	AMT1.2: Ammonium transporter 1 member 2	TTAACGACACTTCAGCCG CA	GAGGTAGGTGGTGTTGACG G
<i>ACTIN</i>	Maker00000159	ACTIN: Actin-related protein	GAAAATCTTGACTGAGC GTG	GTTTCTAGCTCTTGCTCGTA

Table 2 Suppl. Biomass of *T. sinensis* seedlings at different ratios of $\text{NO}_3^-/\text{NH}_4^+$ [16/0 (T1), 12/4 (T2), 8/8 (T3), 4/12 (T4), and 0/16 (T5)]. Different lowercase letters in the same column indicate differences at the same $\text{NO}_3^-/\text{NH}_4^+$ ratio and the same organ under different total nitrogen concentrations. Different capital letters after the same row indicate differences at the same total nitrogen concentration and in the same organ under different $\text{NO}_3^-/\text{NH}_4^+$ ratios; $P < 0.05$.

Organ	Total nitrogen [mM]	Biomass [g]				
		T1	T2	T3	T4	T5
Root	0.32	0.13±0.03bA	0.14±0.03bA	0.13±0.02bA	0.08±0.02bAB	0.04±0.2bB
	0.16	0.54±0.03aAB	0.67±0.13aA	0.47±0.06aAB	0.34±0.06aB	0.57±0.11aAB
	0.08	0.42±0.04aB	0.33±0.02bB	0.63±0.09aA	0.34±0.06aB	0.28±0.03bB
Stem	0.32	0.15±0.03cAB	0.24±0.04bAB	0.26±0.04bA	0.15±0.04bAB	0.13±0.04aB
	0.16	0.53±0.05a	0.64±0.13a	0.43±0.07b	0.38±0.1a	1.02±0.46a
	0.08	0.37±0.03bB	0.35±0.04bB	0.63±0.07aA	0.26±0.04abB	0.36±0.04aB
Leaf	0.32	0.505±0.16c	0.67±0.17b	0.61±0.07c	0.41±0.11b	0.39±0.13c
	0.16	1.59±0.18aAB	2.02±0.05aA	1.38±0.11bB	1.28±0.27aB	1.63±0.15aAB
	0.08	1.01±0.01bB	0.94±0.04bB	1.77±0.12aA	0.58±0.7bC	0.94±0.1bB