

**An alternative pathway for ureide usage in legumes: enzymatic formation of a ureidoglycolate adduct in *Cicer arietinum* and *Phaseolus vulgaris***

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**Supplementary Material**

Table1. Sequence of the primers used for cloning and RT-PCR		
Target sequence	Fw Primer	Rev Primer
OsTua2 FI	GT <b>GAATTC</b> ACAAAAACGGATCTGATGC	GG <b>CTGCAG</b> AGGACAAAACAAGATTTCAAC
OsTua3 FI	GT <b>GAATTC</b> GAATCCCCCTCCCCCT	GG <b>CTGCAG</b> AGAGCAAACAGCACAATGT
Ostub4 LI	GT <b>GAATTC</b> AATCTTCGACTCTCTCGTAC	GG <b>CTGCAG</b> AGGGAAGTGGAACAACACTG
OsTub4 sLI	GT <b>GAATTC</b> ACCTCCTTTGTGCTTTAGAT	GG <b>CTGCAG</b> AGGGAAGTGGAACAACACTG
OsCPK2 LI	GT <b>GAATTC</b> CCCTCCTTTGCTTGGGTA	GG <b>CTGCAG</b> GCAGAACCAAGAAGGAACA
OsCPK2 sLI	GT <b>GAATTC</b> GCTGTCAAAGGCATTTCC	GG <b>CTGCAG</b> GCAGAACCAAGAAGGAACA
AtTub6 LI	GT <b>GAATTC</b> TGTTTACTCTGCTATTTCC	GG <b>CTGCAG</b> TCAACATTACATGAACAAAA
OsTub6 5'splice site	CCAAGGGTATATCCGTTATTCC	GTTGCG <b>GAATTC</b> ATCTCGAATCA
GFP	ATGGTGAGCAAGGGCGAGGAGCT	GTAGCGGCTGAAGCACTGCACG
GUS	CAGCGAAGAGGCAGTCAACGGGGAA	CATTGTTTGCCTCCCTGCGGTT
Replacing introns	CTTCCTAGCCCTGATTCGAG	CTTTGCCGTAATGAGATGACCGC

In **red**: *Eco*RI restriction site. In **blue**: *Pst*I restriction site. In **bold** the point mutation introduced

Table 2. IMEter score of first introns of all rice tubulin genes				
	leader intron length (bp)	IMEter score	intron 1 length (bp)	IMEter score
<b>Ostub1</b>	580	223,7	713	-14,0
<b>Ostub2</b>	---		96	-0,7
<b>Ostub3</b>	---		245	86,2
<b>Ostub4</b>	883	156,8	607	-109,7
<b>Ostub5</b>	---		820	92,0
<b>Ostub6</b>	445	256,9	101	21,4
<b>Ostub7</b>	---		1104	-20,3
<b>Ostub8</b>	---		2089	-38,9
<b>Ostua1</b>	---		946	90
<b>Ostua2</b>	---		892	174,2
<b>Ostua3</b>	---		907	273,6