



## Supplementary Table

## Identification of quantitative trait loci controlling flowering time in black gram (*Vigna mungo* (L.) Hepper)

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**Table S1** Genes located within genomic regions covering quantitative trait loci (QTLs) *qDFFBGB2.1* and *qDFFBGA9.1*, controlling days to flowering in black gram, where gene information is based on reference genome sequence Chai Nat 80 (Pootakham et al., 2021)

QTL	No.	Annotated genes in QTL region
		Gene
<i>qDFFBGB2.1</i>	1	LRR receptor-like serine/threonine-protein kinase FLS2
	2	Zinc finger protein 10
	3	Protein DOWNY MILDEW RESISTANCE 6-like
	4	UDP-glucose:O-linked fucose beta-1
	5	Uncharacterized protein LOC111241449
	6	Phosphatidylinositol-3-phosphatase myotubularin-2
	7	Uncharacterized protein LOC106758366
	8	Uncharacterized protein LOC106753624
	9	L-type lectin-domain containing receptor kinase S.4
	10	L-type lectin-domain containing receptor kinase IV.1
	11	Light-harvesting complex-like protein OHP1, chloroplastic
	12	Hypothetical protein LR48_Vigan03g142800
<i>qDFFBGA9.1</i>	1	Non-specific lipid-transfer protein 2
	2	Glucose-6-phosphate isomerase, cytosolic 1
	3	Alpha-1,4 glucan phosphorylase L isozyme, chloroplastic/amyloplastic-like isoform X2
	4	4-coumarate--coa ligase-like 9
	5	Basic endochitinase
	6	Cytochrome c1-2, heme protein, mitochondrial
	7	Uncharacterized protein LOC106766130
	8	TLC domain-containing protein At5g14285
	9	Activator of 90 kDa heat shock protein ATPase homolog
	10	Lysine histidine transporter 1
	11	Ankyrin repeat domain-containing protein 50

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**Table S1** Continued

QTL	Annotated genes in QTL region	
	No.	Gene
	12	54S ribosomal protein L37, mitochondrial-like
	13	F-box protein SKIP14
	14	Glucose-6-phosphate 1-dehydrogenase, cytoplasmic isoform
	15	Hypothetical protein VIGAN_01137400
	16	Protein TAPETUM DETERMINANT 1-like
	17	NAC domain-containing protein 37-like
	18	Protein WVD2-like 4 isoform X1
	19	Peptidyl serine alpha-galactosyltransferase
	20	Pentatricopeptide repeat-containing protein At1g79490, mitochondrial
	21	Glyceraldehyde-3-phosphate dehydrogenase, cytosolic
	22	Glyceraldehyde-3-phosphate dehydrogenase, cytosolic
	23	Probable carboxylesterase 11
	24	Serine/threonine protein phosphatase 2A 57 kDa regulatory subunit B' theta isoform