

Table 1 The ortholog Candidate genes of PHY in three species of Legume

Species	Gene name	ID No. of gene	If the gene is Full-Length	Similarity	Evidence of EST
Medicago truncatula	MtPHYA1	AC166743_2	Yes	75.1%	E
	MtPHYA2	AC148406_27	Yes	75.1%	E
	MtPHYB	AC158464_25	Yes	22.3%	N
	MtPHYE	AC152185_37	Yes	56.6%	E
Lotus japonicus	LjPHYA	chr5_CM0048_230_nc	Yes	78.6%	E
	LjPHYB	chr6_CM1829_170_nc	Yes	73.0%	E
	LjPHYE	chr6_CM0037_1520_nc	Yes	61.0%	E
Glycine max	GmPHYA1	Glyma20g22160	Yes	78.4%	F
	GmPHYA2	Glyma10g28170	Yes	76.9%	F
	GmPHYA3	Glyma19g41210	Yes	73.7%	E
	GmPHYA4	Glyma03g38620	No	56.2%	N
	GmPHYB1	Glyma09g03990	Yes	73.1%	F
	GmPHYB2	Glyma15g14980	Yes	71.2%	E
	GmPHYE1	Glyma15g23400	No	60.1%	E
	GmPHYE2	Glyma09g11600	Yes	61.4%	E