

Table S4. Analysis of gene homology of the eight rice lines detected by the Pi-ta2 gene using BLASTX

Genotype	Homology	E-value	Identify	Accession number
G7	NBS-LRR, partial [Oryza sativa Indica Group]	2E-123	96.91%	CCF78549.1
	NBS-LRR resistance protein, partial [Oryza sativa Indica Group]	2E-119	96.88%	AFH54050.1
G8	NBS-LRR resistance protein, partial [Oryza sativa]	3E-119	99.90%	AFH58009.1
	NBS-LRR resistance protein, partial [Oryza sativa]	4E-119	99.88%	AFH54039.1
G9	NBS-LRR resistance protein, partial [Oryza sativa Japonica Group]	4E-119	96.88%	AFF54048.1
	NBS-LRR resistance protein, partial [Oryza sativa Indica Group]	4E-119	96.88%	AFF54047.1
G11	NB-ARC domain containing protein, expressed [Oryza sativa Japonica Group]	6E-119	96.88%	ABA97435.1
	blast resistance protein Pi-ta variant 10 [Oryza sativa Japonica Group]	6E-119	96.88%	ACI49447.1
G13	blast resistance protein Pi-ta variant 5 [Oryza sativa Japonica Group]	7E-119	96.88%	ACI49442.1
G14	Pi-ta protein [Oryza sativa Japonica Group]	8E-119	96.88%	AAK00132.1
	NBS-LRR, partial [Oryza sativa Indica Group]	1E-118	96.35%	CCD33216.1
G15	Pi-ta variant KPt.1 [Oryza sativa tropical japonica subgroup]	3E-118	96.88%	ACV87221.1
	blast resistance protein Pi-ta variant 12 [Oryza barthii]	1E-116	95.31%	ACI49449.1
G18	blast resistance protein Pi-ta variant 14 [Oryza nivara]	2E-114	93.23%	ACI49451.1
	NBS-LRR, partial [Oryza sativa Indica Group]	7E-92	81.25%	CCD21829.1