

**Table 1. Some examples of Extracellular and Intracellular Receptors in Plant Defense and Development**

Type	PRR	Full name	Proposed role	Ligands (if known)	Reference(s)
PGIP	PGIP	Polygalacturanase inhibiting proteins	defense	polygalacturonases /pectin	Di Matteo et al., 2003
RLP	AtRLP41		ABA sensitivity		Wang et al., 2008
	AtRLP30		defense		Wang et al., 2008
	Cf-9	<i>Cladosporium fulvum</i> resistance	defense		Kruijt et al., 2005
	CLV2	CLAVATA 2	development	CLV3 <sup>d</sup>	Ogawa et al., 2008
	TMM	TOO MANY MOUTHS	development		Nadeau et al., 2002
RLK <sup>a</sup>	BAK1	BRI1-associated kinase 1	defense/development		Nam and Li, 2002
	BRI1	Brassinosteroids insensitive 1	development	Brassinosteroids	He et al., 2000
	CLV1	CLAVATA 1	development	CLV3	Ogawa et al., 2008
	CR4	CRINKLY4	development		Becraft et al., 1996
	DIPM1-4	DspA/E-interacting proteins of <i>Malus x domestica</i>	disease <sup>c</sup>	DspA/E	Meng et al., 2006
	EFR	Ef-Tu receptor	defense	Ef-Tu	Zipfel et al., 2006
	ER	ERECTA	development		Shpak et al., 2005
	FLS2	Flagellin Sensing 2	defense	Flagellin	Zipfel et al., 2004
	LecRK1	Lectin receptor kinase 1	unknown		Herve et al., 1996
	NORK	Nodulation receptor kinase	symbiosis		Endre et al., 2002
	NFR1, NFR5	Nod-factor receptor kinase	symbiosis		Madsen et al., 2003
	PEPR1	atPep1 receptor	defense	Atpep1	Yamaguchi et al., 2006
	PBS1 <sup>b</sup>	<i>avrPphB</i> susceptible	defense		Swiderski et al., 2001

	PR5K	Pathogenesis related 5 kinase	defense		Wang et al., 1996
	PSKR	Phytosulfokine receptor	development	Phytosulfokine	Matsubayashi et al., 1996
	SRK	S-locus receptor kinase	development		Stein et al., 1991
	SYMRK	Symbiosis receptor-like kinase	symbiosis		Stracke et al., 2002
	WAK1	Wall associated kinase	defense/development		He et al., 1996
		<i>Linum usitatissimum</i> rust			
	L5, L6, L7	resistance	defence	AvrL567	Dodds et al., 2006
NB-LRR		<i>Nicotiana glutinosa</i> virus			
	N	resistance	defence	p50	Ueda et al., 2006
	Pi-Ta	<i>Oryza sativa pi-ta</i> protein	defence	AVR-Pita	Jia et al., 2000

<sup>a</sup>-For domains and classification of RLKs, see text and Figure 1.

<sup>b</sup>-PBS1 does not have any extracellular domain and has been classified as receptor-like cytoplasmic kinase (RLCK)

<sup>c</sup>-Interaction of DspA/E and DIPM1-4 induce disease instead of defense. Interaction is with the kinase domain rather than the extracellular receptor domain.

<sup>d</sup>-CLV3; CLAVATA3