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	*Cladosporium fulvum* resistance	defense		Kruijt et al., 2005
	CLV2	CLAVATA 2	development	CLV3[d]	Ogawa et al., 2008
	TMM	TOO MANY MOUTHS	development		Nadeau et al., 2002
RLK[a]	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 *Malus x domestica*	disease[c]	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[b]	*avrPphB* 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
NB-LRR	L5, L6, L7	***L****inum usitatissimum* rust resistance	defence	AvrL567	Dodds et al., 2006
	N	***N****icotiana glutinosa* virus resistance	defence	p50	Ueda et al., 2006
	Pi-Ta	*Oryza sativa pi-ta* protein	defence	AVR-Pita	Jia et al., 2000

[a]-For domains and classification of RLKs, see text and Figure 1.
[b]-PBS1 does not have any extracellular domain and has been classified as receptor-like cytoplasmic kinase (RLCK)
[c]-Interaction of DspA/E and DIPM1-4 induce disease instead of defense. Interaction is with the kinase domain rather than the extracellular receptor domain.
[d]-CLV3; CLAVATA3