

Supplementary Information

Figure S1. Flowers of *E. sagittatum* (**A**) and *E. leptorrhizum* (**B**). Asterisks indicate the petal with nectariferous tissue.



Table S1. Primers for cloning and analyzing EsCRC and ElCRC.

Primers	Sequences (5' to 3')	Usage
qCRCF (Forward)	CCTGTCCAGCCTCAATGTTT	qRT-PCR
qCRCR (Reverse)	CTCGATGGGTATCTCAGGA	qRT-PCR
ABCRC06	CYGARCATCTYTGCTAYGTCC	3' RACE
5' CRCGSP1	ACGATGAAGAATGCGCCTGAAATCAT	5' RACE one round
5' CRCGSP2	GCAGCGGACATAGCAAAGTTGTTCAGA	5' RACE two round
CRCF (Forward)	ATCATCATGGATTTCATCCCACC	Full-length
CRCR (Reverse)	ACACCACTCAAGGACTAACGTCC	Full-length
3' CDS	AAGCAGTGGTATCAACCGCAGAGTAC(T)30N-1N	RACE
SMARTII	AAGCAGTGGTATCAACCGCAGAGTACGCGGG	RACE
UPML	CTAATACGACTCACTATAAGGGCAAGCAGTGGTATCAACGCAGAGT	RACE
UPMS	CTAATACGACTCACTATAAGGGC	RACE
NUP	AAGCAGTGGTATCAACGCAGAGT	RACE

Es and El indicated *E. sagittatum* and *E. leptorrhizum*, respectively.

Table S2. Genes used for phylogenetic analysis and protein alignment.

Family	Species	Accession No	Name	Type
Solanaceae	<i>Nicotiana tabacum</i>	AY854799	NtCRC1	CRC
Solanaceae	<i>Nicotiana tabacum</i>	AY854800	NtCRC2	CRC
Solanaceae	<i>Petunia x hybrid</i>	AY854801	PhCRC	CRC
Brassicaceae	<i>Arabidopsis thaliana</i>	NM_105585	AtCRC	CRC
Brassicaceae	<i>Brassica juncea</i>	XM_002263575	BjCRC	CRC
Malvaceae	<i>Gossypium hirsutum</i>	AY854804	GhCRC1	CRC
Malvaceae	<i>Gossypium hirsutum</i>	AY854805	GhCRC2	CRC
Berberidaceae	<i>Epimedium sagittatum</i>	JX560412	EsCRC	CRC
Berberidaceae	<i>Epimedium leptorrhizum</i>	JX625141	EICRC	CRC
Ranunculaceae	<i>Aquilegia formosa</i>	EU481798	AfCRC	CRC
Proteaceae	<i>Grevillea robusta</i>	Provided by John Bowman	GrCRC	CRC
Plantaginaceae	<i>Antirrhinum majus</i>	AJ877257	AmCRC	CRC
Liliaceae	<i>Lilium longiflorum</i>	EF363135	LICRC	CRC
Poaceae	<i>Oryza sativa</i>	AY494713	OsDL	CRC
Orchidaceae	<i>Cymbidium goeringii</i>	HM106986	CgDL	CRC
Papaveraceae	<i>Eschscholzia californica</i>	AM946412	EcCRC	CRC
Amborellaceae	<i>Amborella trichopoda</i>	AJ877257	AtCRC	CRC
Poaceae	<i>Triticum aestivum</i>	AF545436	TaCRC	CRC
Euphorbiaceae	<i>Ricinus communis</i>	XM_002512009	RcCRC	CRC
Cabombaceae	<i>Cabomba caroliniana</i>	AB553318	CcCRC	CRC
Salicaceae	<i>Populus trichocarpa</i>	XM_002316041	PtCRC	CRC
Vitaceae	<i>Vitis vinifera</i>	XM_002263575	VvCRC	CRC
Fabaceae	<i>Medicago truncatula</i>	XM_003614153	MtCRC	CRC
Poaceae	<i>Oryza sativa</i>	NM_001055910	OsFIL2	FIL
Brassicaceae	<i>Arabidopsis thaliana</i>	AF074948	AtFIL	FIL

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