

Table 1S. Polymorphic sites in the promoter region of *ZmRCAβ*. —: not located in regulatory elements.

Position	Polymorphic type	Regulatory element change	Function of <i>cis</i> -elements
–551	390-base indel	TATA-box	core promoter element around –30 of transcription start
		Sp1	light responsive element
		TC-rich repeats	<i>cis</i> -acting element involved in defense and stress responsiveness
		G-box AE-box	<i>cis</i> -acting regulatory element involved in light responsiveness part of a module for light response
–510	4-base indel	—	—
–508	T/G	—	—
–343	T/G	—	—
–181	14-base indel	Unnamed-4	—
–167	T/C	Sp1	light responsive element