

Table 1 Domain organization of the SS proteins in Gramineae

Gene name	Protein domains	Sorghum	Rice	Maize	Wheat
GBSSI	TP	77	76	72	71
	VR	4	5	4	6
	CD	526	526	530	528
GBSSII	TP	76	77	76	67
	VR	4	3	4	4
	CD	527	528	530	528
SSIIa	TP	61	70	62	16
	VR	190	248	178	291
	CD	492	492	486	492
SSIIb	TP	28	64	29	63
	VR	184	138	177	119
	CD	492	492	492	492
SSIIc	TP	64	44	69	64
	VR	209	193	214	186
	CD	492	492	492	492
SSIIIa	TP	68	49	69	67
	VR	668	558	657	611
	SBD	490	488	492	490
	CD	448	444	448	458
SSIIIb	TP	81	47	47	45
	VR	181	222	200	308
	SBD	471	489	486	460
	CD	448	448	448	444
SSIVa	TP		78		
	VR		399		
	CD		485		
SSIVb	TP	54	33	54	45
	VR	361	388	361	375
	CD	484	484	485	486

Note: TP: The putative transit peptide, which was identified using the ChloroP neural network analysis of the 100 amino acids at the N-terminus of each sequence; CD: The putative catalytic domain, which was identified by GenBank conserved domain database search service, v2.13; VR: The variable region; SBD: The starch binding domain