

Phenotype	Germplasm	Positions										
		7	6	9	3	4	2	8	9	0	1	9
Resistance	Zhongzhimian 2	A	C	T	G	A	A	T	G	C	T	T
	Kelin 15-416	A	C	T	G	A	T	T	G	C	T	G
	Emian 23	A	C	T	G	A	T	T	G	C	T	A
	20040701	T	G	T	G	A	A	T	G	C	T	T
	Jimian 616	A	C	A	C	T	A	T	G	C	T	A
	Zhongmiansuo 60	A	C	T	G	A	A	T	G	C	T	A
	Yangpin 2	A	C	T	G	A	A	-	-	-	T	T
	TZ06	A	C	T	G	A	A	T	G	C	T	A
	Chuangmian36	A	C	T	G	A	A	T	G	C	T	T
	Susceptible	Jimian 11	A	G	T	C	A	T	T	G	C	T
Liaomian 30		A	G	A	C	T	A	T	G	C	T	C
XZ-14		A	G	A	C	T	T	T	G	C	T	T
Hui 30		A	C	A	C	T	A	T	G	C	T	A
Han8944		A	C	A	C	T	A	T	-	-	-	T
Xinluzao 39		A	G	A	C	T	A	T	G	C	T	G
Junmian 1		A	C	A	C	T	A	T	G	C	T	T
Jiumian 11		A	C	A	C	T	T	T	G	C	T	T
Su22		T	G	A	C	T	A	T	G	C	T	A

Figure S8 | Nucleotide sequence alignment of *GhDSC1* in *Gossypium hirsutum* resistant and susceptible germplasm accessions. The alignment was performed by Clustal X2 with a GONNET 80 protein weight matrix. Only residues that deviate from the reference sequences are shown in the alignment; deletions are indicated by dashes (-). The polymorphism positions are written vertically, i.e. the first polymorphism occurs at position 177 of the CDS. The position in orange color (673 bp) represent the nonsynonymous mutation in *GhDSC1*.