Appendix

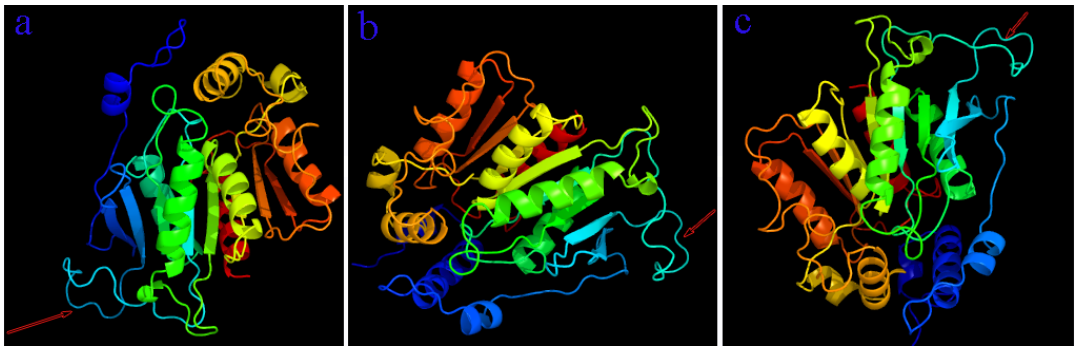
Title: Cloning and characterization of *CaGID1s* and *CaGAI* in *Capsicum annuum* L.

Appendix A Relative expression fold change of *CaGID1s* and *CaGAI* in different tissues during fruit set and development

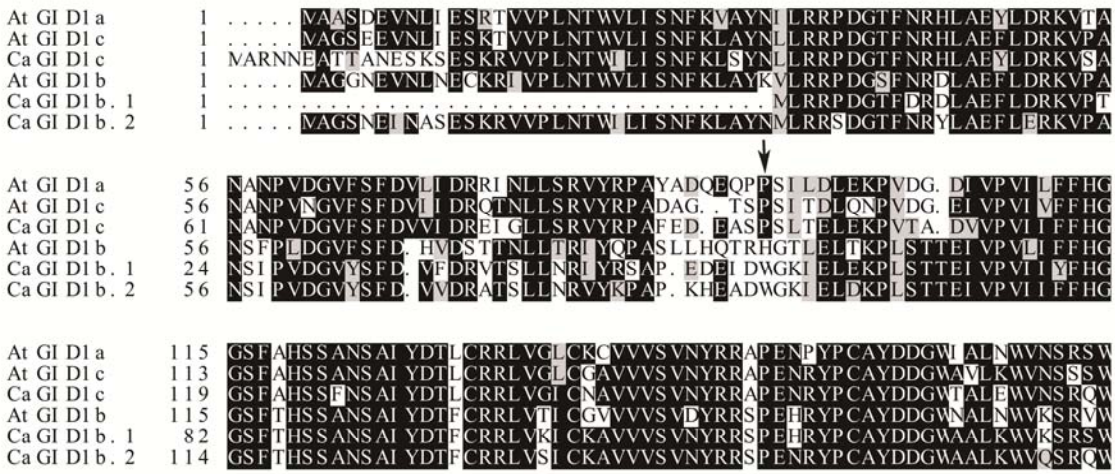
		CaGID1b.1	*CaGID1b.2*	*CaGID1c*	*CaGAI*
Pericarp	0-5	8.06	7.54	4.17	1.23
	5-10	5.66	5.50	2.59	3.08
	10-50	0.44	0.81	0.20	0.41
Placenta	0-5	3.32	10.00	1.33	4.04
	5-10	1.46	3.69	1.31	1.01
	10-50	0.17	0.09	0.50	0.74
Seed	0-5	4.99	6.46	2.46	0.94
	5-10	2.95	5.47	2.23	0.55
	10-50	0.09	0.03	0.18	0.17

Notes: 0-5, relative expression at 0 DAP/5 DAP; 5-10, relative expression at 5 DAP/10 DAP; 10-50, relative expression at 10 DAP/50 DAP.

Supplemental Figures



Appendix B Protein structure of CaGID1s. a CaGID1b.1; b CaGID1b.2; c CaGID1c; The red arrowhead indicated the loop region.



Appendix C Alignment of GID1amino sequences. The black arrowhead indicated the proline located in the loop region.

Appendix D The oligonucleotide primers for gene cloning and qRT-PCR analysis

Name	Oligonucleotide sequences (5’ to 3’)
Genes isolation	
1-CaGID1b.1(F)	ATGGCTGGAAGTAATGAAAT
2-CaGID1b.1(R)	TGAACAGTTAGAATGGATGA
3-CaGID1b.2(F)	ATGGCAGGCAGTAACGAGAT
4-CaGID1b.2(R)	TGAATGGTTAGGATGGATAAA
5-CaGID1c(F)	ATGGCAAGAAACAATGAAGC
6-CaGID1c(R)	AGAGTCAGAATTCACGAAGC
7-CaGAI(F)	ATGAAGAGAGACAAAACGAT
8-CaGAI(R)	ACAAACGGAGTTGAGTTTCC
qRT-PCR	
9-CaAct(FQ)	ATCCAGCCTTCACCATTCCA
10-CaAct(RQ)	GGTCATCATCTCCGGTTTGC
11-CaGID1b.1(F)	GTGCTTACGACGATGGATGG
12-CaGID1b.1(R)	TTTTCCCCACCGAACATTGG
13-CaGID1b.2(F)	ATGCCCTCCAGTACCAATCC
14-CaGID1b.2(R)	TATTGCTCACCATGTTGCGG
15-CaGID1c(F)	GAAGGTTCAGACAGGGACCA
16-CaGID1c(R)	TTAACCTCTTGTCCGGCCTT
17-CaGAI(F)	GAACTCAACCCACAACACCC
18-CaGAI(R)	CACCTCTGTCGTACTGGGTT