

Table S1. Summary information of physiological and biochemical properties of the C_{ss}HSP proteins

ID	Animo acids	MW(kDa)	pI	GRAVY	Instability index	Aliphatic index
TEA028346	140.00	16.25	5.84	-0.88	42.55	74.43
TEA006297	220.00	25.23	7.55	-0.55	32.96	69.45
TEA031692	146.00	16.70	6.17	-0.67	51.15	72.05
TEA033850	164.00	18.13	5.77	-0.36	35.45	84.45
TEA030322	199.00	22.45	5.59	-0.56	52.92	88.14
TEA017422	261.00	28.46	7.00	-0.30	20.87	70.96
TEA004364	141.00	16.16	5.69	-0.85	75.59	57.45
TEA004365	159.00	18.21	9.33	-0.51	48.68	85.79
TEA005454	137.00	15.47	6.18	-0.43	39.60	85.18
TEA032554	158.00	18.07	9.87	-0.74	44.55	56.65
TEA028261	386.00	43.18	8.84	-0.43	38.99	80.57
TEA033542	129.00	14.96	4.93	-0.73	35.44	82.25
TEA021291	226.00	25.72	5.21	-0.57	39.69	69.34
TEA032676	146.00	16.82	9.14	-0.43	36.33	100.75
TEA004686	283.00	31.01	5.51	-0.22	45.38	86.50
TEA005576	183.00	21.33	9.95	-0.72	56.56	80.33
TEA024355	457.00	52.52	9.20	-0.81	48.98	64.73
TEA003981	288.00	32.00	5.24	-0.49	42.58	82.60
TEA030325	137.00	15.41	10.18	-0.44	49.82	85.47
TEA017741	188.00	21.81	6.47	-0.48	49.13	93.83
TEA030028	136.00	15.12	7.74	-0.42	48.28	74.63
TEA032852	155.00	17.94	6.78	-0.77	47.26	74.13
TEA030313	142.00	15.86	8.91	-0.43	53.70	71.48
TEA004360	160.00	18.38	8.01	-0.72	49.68	60.81
TEA016443	237.00	26.35	8.95	-0.77	41.28	69.83
TEA004135	287.00	32.56	8.86	-0.28	54.96	78.43
TEA002646	256.00	28.41	5.51	0.05	30.75	99.57
TEA022926	161.00	18.70	6.60	-0.59	49.39	69.44
TEA010314	160.00	18.27	5.55	-0.66	58.15	71.88
TEA029778	175.00	20.36	9.27	-0.78	47.97	81.83
TEA026664	150.00	17.22	6.34	-0.72	46.44	68.20
TEA019050	499.00	55.65	5.38	-0.66	45.80	76.77
TEA015202	269.00	30.58	5.81	-0.17	53.46	59.03
TEA029627	507.00	56.50	5.84	-0.65	43.92	73.75
TEA003480	229.00	26.01	5.35	-0.60	45.01	77.60
TEA004371	155.00	17.70	5.68	-0.63	60.88	77.29
TEA032865	133.00	14.94	4.96	-0.63	40.25	66.77
TEA015431	149.00	17.11	5.38	-0.65	44.27	68.66
TEA031251	489.00	53.78	4.65	-0.78	46.14	72.56
TEA010603	198.00	22.77	4.83	-0.58	46.14	69.34
TEA006315	1103.00	126.83	8.90	-0.98	59.26	61.75

TEA004116	563.00	62.17	5.03	-0.76	44.15	73.73
TEA004369	163.00	18.61	6.13	-0.65	36.22	71.10
TEA001822	260.00	30.07	9.60	-0.49	63.54	69.38
TEA028966	243.00	27.43	8.87	-0.70	42.37	64.16
TEA004366	159.00	18.12	6.35	-0.65	53.77	72.96
TEA023567	136.00	15.40	5.36	-0.18	59.70	83.90
TEA026655	150.00	17.29	5.81	-0.67	45.93	68.20
TEA005909	205.00	22.95	9.37	-0.47	37.82	83.32
TEA001664	211.00	24.49	5.43	-0.89	58.85	75.21
TEA005935	199.00	20.99	8.70	-0.24	48.19	79.50
TEA025531	155.00	17.24	5.38	-0.51	45.51	84.26
TEA031630	255.00	28.08	8.76	-0.43	60.82	69.25
TEA004370	155.00	17.70	5.80	-0.63	63.15	75.42

Table S2. The TPM value of *CssHSP* genes in different tissues.

Gene	Fruit	Flower	Apical bud	Young leaf	Mature leaf	Old leaf	Stem	Root
TEA017422	428.62	427.05	381.62	261.05	721.32	310.92	844.03	404.76
TEA017741	30.41	2.52	2.48	0.92	13.13	0.78	22.24	34.00
TEA002646	0.60	0.26	0.36	0.17	0.19	0.05	0.00	0.11
TEA006297	0.07	0.06	0.00	0.07	0.63	0.00	0.00	0.07
TEA024355	0.23	0.27	0.38	0.15	0.58	0.31	0.55	0.52
TEA026655	27.34	8.82	8.68	4.93	2.21	2.36	7.63	147.22
TEA030325	0.51	0.00	0.15	0.00	0.00	0.00	0.00	0.15
TEA032865	0.00	0.00	0.95	2.01	0.00	0.00	1.32	0.31
TEA011642	4.16	1.59	0.00	0.20	8.63	0.45	3.03	1.97
TEA031251	0.53	5.47	4.64	2.71	1.19	0.29	9.48	5.86
TEA031692	51.66	35.94	14.16	8.90	9.74	4.28	12.17	104.33
TEA010314	2.28	0.34	1.36	2.08	2.22	4.93	8.60	15.87
TEA015202	1.45	60.12	26.47	19.35	3.85	1.42	36.83	19.57
TEA030322	134.21	1.87	2.34	4.76	7.70	3.25	7.08	47.91
TEA025531	0.93	4.89	2.89	0.92	0.72	0.37	0.27	0.48
TEA001664	0.00	0.62	0.00	0.00	0.00	0.00	0.00	1.23
TEA026664	57.45	55.34	3.40	6.69	12.70	15.05	7.99	38.98
TEA028966	21.89	0.06	2.06	6.49	110.44	0.93	0.52	17.74
TEA005454	0.00	0.00	1.33	0.51	0.00	0.00	0.17	0.15
TEA029778	10.21	1.19	3.44	4.58	5.30	2.45	5.70	5.03
TEA004135	12.93	10.54	4.86	7.46	31.76	41.23	3.24	0.30
TEA004686	260.66	6.31	4.80	6.65	12.92	9.66	21.35	165.74
TEA030313	0.00	92.74	0.00	0.15	0.00	0.15	0.16	0.14
TEA021291	27.83	13.89	3.04	0.62	14.69	2.08	23.06	9.03
TEA019050	14.24	14.52	18.31	16.95	21.52	9.79	21.67	7.75
TEA004371	51.51	0.22	3.68	6.15	28.22	1.35	12.91	62.72
TEA005935	0.61	13.02	16.05	20.19	11.78	0.71	45.94	6.42

TEA010603	5.09	7.98	1.67	1.01	11.03	0.80	9.28	5.11
TEA004370	52.84	0.44	0.60	2.23	29.37	4.79	8.29	11.64
TEA016506	42.76	4.19	9.00	10.71	14.86	5.81	66.65	59.23
TEA033542	2.07	14.80	0.84	0.20	8.64	0.45	3.03	10.14
TEA032852	0.40	0.00	0.92	0.00	0.00	0.00	0.00	0.00
TEA029627	23.27	27.27	40.44	33.77	39.19	37.68	31.37	14.21
TEA004369	0.00	0.00	1.79	1.80	0.00	0.00	0.12	0.00
TEA004368	2.33	2.05	1.32	1.32	30.06	0.35	30.54	26.16
TEA023567	2.25	21.54	11.73	24.82	40.98	17.38	8.05	1.81
TEA004366	19.57	1.26	27.93	12.50	89.37	0.35	107.93	34.20
TEA004365	0.13	0.00	4.52	4.97	0.00	0.00	0.65	1.25
TEA006315	2.01	0.76	1.83	1.61	2.99	2.20	3.35	1.70
	2296.3							
TEA004360	4	35.40	38.06	28.05	73.72	147.93	69.72	469.41
TEA033850	492.00	6.47	117.85	217.39	71.68	21.61	647.81	225.24
TEA005909	0.08	8.17	9.28	8.42	1.86	0.45	14.78	4.09
TEA031630	103.24	44.06	55.31	102.05	327.71	350.68	33.92	4.10
TEA015431	1.30	0.83	0.50	0.28	1.09	1.06	0.30	7.90
TEA016443	5.59	37.22	17.38	15.20	4.99	1.55	38.17	8.93
TEA022926	0.25	0.62	0.00	0.00	2.27	2.51	2.16	0.00
TEA004116	50.27	37.22	38.31	30.14	53.45	39.14	50.64	41.50
TEA003981	5.36	3.46	1.94	1.29	3.02	0.97	4.75	3.94
TEA028346	0.00	0.00	0.00	0.16	0.00	0.00	1.01	1.15
TEA028261	0.38	1.32	0.46	0.16	0.33	0.29	0.28	0.53

Table S3. Specific expression of *CssHSP* genes in different tissues

Genes ID	The number of genes	Flower	Fruit	Apical bud	Young leaf	Mature leaf	Old leaf	Stem	Root
TEA015431	1								☹
TEA010314	1						☹	☹	☹
TEA004368	1					☹		☹	☹
TEA004365	1			☹	☹				
TEA003981	1		☹						
TEA011642	1		☹			☹			
TEA017741	1		☹			☹		☹	☹
TEA004370	1		☹			☹	☹	☹	☹
TEA028966	1		☹		☹	☹			☹
TEA004366	1		☹	☹	☹	☹		☹	☹

TEA033542	1	☹️				☹️			☹️
TEA031251	1	☹️		☹️				☹️	☹️
TEA005935	1	☹️		☹️	☹️	☹️		☹️	☹️
TEA023567	1	☹️		☹️	☹️	☹️		☹️	
TEA026664	1	☹️	☹️		☹️	☹️	☹️	☹️	☹️
TEA026655	1	☹️	☹️	☹️	☹️			☹️	☹️
TEA016443	1	☹️	☹️	☹️	☹️	☹️		☹️	☹️
TEA004135	1	☹️	☹️	☹️	☹️	☹️	☹️		
TEA030313, TEA025531	2	☹️							☹️
TEA015202, TEA005909	2	☹️		☹️	☹️			☹️	☹️
TEA010603, TEA021291	2	☹️	☹️			☹️		☹️	☹️
TEA004371, TEA029778, TEA030322	3		☹️		☹️	☹️		☹️	☹️
TEA016506, TEA004686, TEA031692, TEA004116, TEA019050, TEA031630, TEA029627, TEA004360, TEA017422, TEA033850	10	☹️	☹️	☹️	☹️	☹️	☹️	☹️	☹️

Table S4-1. The TPM value of *CssHSP* genes in cold stress

Gene	CA-CK	CA-CA1	CA-CA3
TEA017422	262.242	239.829	548.521
TEA017741	0.801611	2.95883	1.63183
TEA002646	0	0.2367	0.25257
TEA006297	0	0	0
TEA024355	0.418107	0.25996	0.55535
TEA026655	0	0	0
TEA030325	0	0	0
TEA032865	0	0	0
TEA011642	0	0	0
TEA031251	0.372322	0.69477	0.86472

TEA031692	1.20645	5.89511	1.66173
TEA010314	5.16319	0	0.70664
TEA015202	2.6158	1.18223	7.4303
TEA030322	1.11948	1.38799	1.74507
TEA001822	0	0	0
TEA025531	0	0	0
TEA001664	0	0	0
TEA026664	21.8709	21.1129	11.867
TEA028966	1.06156	0.43888	0.23623
TEA005454	0	0	0
TEA005576	0	0	0
TEA029778	0.894533	0	1.21811
TEA004135	18.5034	8.99833	11.3877
TEA004686	5.01227	1.69234	2.74792
TEA030313	0	0	0
TEA021291	1.20474	3.42657	1.59806
TEA019050	4.87335	10.2596	9.32879
TEA003480	0	0	0
TEA004371	0	0	0.74651
TEA005935	1.25487	1.03639	3.91864
TEA010603	0.580689	1.44209	1.35373
TEA004370	3.26597	0	5.22554
TEA016506	1.03264	7.59194	2.82657
TEA033542	1.51628	0	0
TEA032852	0	0	0
TEA029627	24.0573	33.6994	24.2655
TEA004369	0	0	0
TEA004368	2.08675	0	0
TEA023567	54.1518	61.9272	36.2339
TEA004366	0	0	9.28551
TEA004365	0	0	0
TEA006315	0.096432	0	0.31892
TEA030028	1.37129	13.3624	4.75073
TEA004364	0	0	0
TEA004360	29.9464	24.0411	21.9058
TEA033850	32.7296	54.7277	47.4382
TEA005909	0	0.59447	3.22186
TEA031630	269.866	222.09	124.234
TEA015431	0	1.42353	0
TEA016443	0	0.35846	3.46078
TEA022926	0	0	1.39835
TEA004116	62.7231	63.3771	54.8749
TEA003981	1.78217	0	0.8953
TEA028346	0	0	0

TEA028261	0.620826	0	1.03453
TEA032554	0	0	0
TEA032676	0	0	0

Table S4-2. The TPM value of *CssHSP* genes in MeJA

Gene	SCZ-CK	SCZ-48h_MeJA	SCZ-24h_MeJA	SCZ-12h_MeJA
TEA017422	1061.32	1115.7	460.493	794.862
TEA017741	178.985	175.149	1855.22	1.50786
TEA002646	3.48109	4.33604	1.63508	1.61958
TEA006297	0	0	0.0818532	0
TEA024355	2.61512	1.27691	0.894107	1.20568
TEA026655	1.65757	1.20752	183.319	0.607871
TEA030325	0	0	0	0.250722
TEA032865	6.89372	5.07024	0	0
TEA011642	0.50916	0	3.50018	0
TEA031251	2.91807	3.93472	1.52984	2.93039
TEA031692	23.0693	28.263	918.092	53.8055
TEA010314	16.6511	16.6944	964.255	0.1177
TEA015202	20.1883	23.2493	27.1031	36.2036
TEA030322	55.2526	47.7747	2278.51	38.962
TEA001822	0.0999	0	0	0
TEA025531	0	0	1.69492	3.26372
TEA001664	0	0	3.36216	0
TEA026664	40.0736	61.3108	651.745	13.2923
TEA028966	20.5572	3.51809	1441.28	27.2139
TEA005454	0.21404	0.35706	1752.46	0.154786
TEA005576	0	0	0.412687	0
TEA029778	8.17804	13.0364	14.4576	5.50247
TEA004135	6.23172	5.91988	0.231978	0.49017
TEA004686	47.3964	28.3196	3623.86	22.9938
TEA030313	0	0	0.0999669	0
TEA021291	3.55125	4.86561	4.43913	4.00911
TEA019050	36.6833	34.692	26.4442	29.6612
TEA003480	0	0	0.442263	0
TEA004371	164.592	130.815	3943.27	10.4405
TEA005935	21.2842	17.6662	16.3731	23.12
TEA010603	3.14735	3.96041	2.20387	2.9731
TEA004370	115.299	113.474	5038.98	73.4386
TEA016506	50.0983	59.904	47.8683	0
TEA033542	0	0	136.523	0.173805
TEA032852	0	0	37.3176	0

TEA029627	50.7304	43.6711	45.7727	49.3794
TEA004369	0	0	3.83822	0
TEA004368	97.1888	79.7003	2760.38	1.2203
TEA023567	17.5034	36.4847	19.7017	13.9041
TEA004366	26.2476	17.1563	3476.81	11.3395
TEA004365	0	0	3.40482	0.43174
TEA006315	0.28763	0.175096	0.210021	0.0758197
TEA030028	31.0273	23.3354	255.682	13.6688
TEA004364	18.1878	10.5578	0.165556	0
TEA004360	174.855	110.417	1165.01	572.254
TEA033850	1258.87	1067.26	5604.55	403.882
TEA005909	6.20775	4.69656	5.91003	9.75858
TEA031630	162.545	179.388	14.626	14.4685
TEA015431	0.212	0	8.00187	0.398817
TEA016443	10.542	7.64299	11.2687	13.6187
TEA022926	0	0	0.636529	0.232972
TEA004116	59.614	59.6636	53.7927	53.0684
TEA003981	1.1215	3.12523	0.391391	0.216665
TEA028346	0	0	1.81605	0
TEA028261	1.38616	1.69049	209.804	1.51261
TEA032554	0	0	0	0
TEA032676	0	0	0	0

Table S4-3. The TPM value of *CssHSP* genes in salt stress

Gene	N-N-0h	N-N-24h	N-N-48h	N-N-72h
TEA017422	3858.02	3387.84	2581.57	2587.63
TEA017741	2.62593	8.00513	7.17955	1.9456
TEA002646	1.03022	1.31408	0.932268	1.06389
TEA006297	0	0	0	0
TEA024355	0.566925	0.515813	0.751478	0.703056
TEA026655	2.90137	1.15457	1.15164	1.45015
TEA030325	0.574461	0	0	0
TEA032865	0	0	0	0
TEA011642	10.371	1.52154	2.52941	4.90459
TEA031251	3.52634	0.642758	2.55355	2.70473
TEA031692	15.7625	22.9999	15.2952	19.8542
TEA010314	7.31795	3.62114	1.37571	3.21555
TEA015202	4.06452	2.23094	4.04398	8.56318
TEA030322	21.5836	13.3033	11.2673	16.2504
TEA001822	0	0.25265	0	0
TEA025531	0.911069	0	0	0
TEA001664	0	1.01207	0	0.404406

TEA026664	170.698	125.271	138.581	73.2324
TEA028966	21.1241	5.77956	3.5983	5.46012
TEA005454	3.44677	0	0	0
TEA005576	0	0	0	0
TEA029778	0.369093	0	0.297279	0
TEA004135	0.85569	1.07764	1.54753	1.6608
TEA004686	13.0111	4.97205	3.1473	4.48889
TEA030313	0	0	0	0
TEA021291	2.92359	4.41301	2.69702	4.2238
TEA019050	13.2616	6.37934	6.91758	11.1044
TEA003480	0	0	0	0
TEA004371	50.1089	4.36545	3.26551	4.77237
TEA005935	10.4136	18.0357	11.8203	9.6463
TEA010603	2.26694	5.31016	3.23284	2.79679
TEA004370	61.4973	21.2816	11.2478	10.9083
TEA016506	0	0	0	0
TEA033542	0.648187	0	0	0.980919
TEA032852	0	0	0	0
TEA029627	31.0327	23.6409	30.4065	34.9835
TEA004369	0.833332	0	0	0
TEA004368	85.7475	1.04549	5.56085	17.5636
TEA023567	8.55826	25.8048	16.0134	8.88367
TEA004366	117.087	3.65922	9.38393	31.8748
TEA004365	0.435266	0.522746	0.347553	0.650505
TEA006315	0.036968	0.094955	0.031421	0.053254
TEA030028	4.07961	2.7531	6.86584	5.27421
TEA004364	0.543239	0	0	0
TEA004360	301.758	351.25	231.12	182.643
TEA033850	81.6261	34.2663	50.1812	52.8962
TEA005909	6.11116	2.38392	1.89732	3.07267
TEA031630	42.1918	21.1446	23.2297	44.2143
TEA015431	2.44784	4.6723	3.4954	2.20309
TEA016443	2.59158	0.570747	0.85079	2.78007
TEA022926	0.851541	0	0.680752	0.635875
TEA004116	36.7245	25.2638	31.4992	47.813
TEA003981	0.35305	1.76749	0.439512	1.03132
TEA028346	0	0	0	0
TEA028261	3.0353	4.75852	2.13589	3.35091
TEA032554	0	0	0	0
TEA032676	0	0	0	0

Table S4-4. The TPM value of *CssHSP* genes in drought stress

Gene	PEG-N-0h	PEG-PEG-N-24h	PEG-PEG-N-48h	PEG-PEG-N-72h
TEA017422	3858.01	2230.81	3649.84	2538.25
TEA017741	2.62593	5.81086	7.29882	12.7555
TEA002646	1.03022	0.0918436	0.881456	0.377476
TEA006297	0	0	0	0
TEA024355	0.56693	0.808968	0.242616	0.33232
TEA026655	2.90138	3.07867	3.44926	3.95676
TEA030325	0.57446	0	0	0
TEA032865	0	0	0	0
TEA011642	10.371	0.830571	3.33103	3.98475
TEA031251	3.52633	5.38876	2.15492	1.69817
TEA031692	15.7624	59.6256	71.0769	56.1773
TEA010314	7.31795	2.73445	3.06192	4.40174
TEA015202	4.06452	4.38542	6.0913	2.93706
TEA030322	21.5836	40.8379	26.4747	13.3919
TEA001822	0	0	0	0.207693
TEA025531	0.91107	0	0	0
TEA001664	0	4.49627	6.91086	21.0427
TEA026664	170.697	25.2451	52.7244	14.8378
TEA028966	21.1242	0	1.66994	0.569759
TEA005454	3.44677	0	0	0
TEA005576	0	0.43385	0	0
TEA029778	0.36909	0.935244	0.747687	0.377396
TEA004135	0.85569	0.178638	0.856997	1.02314
TEA004686	13.0112	2.94848	4.89564	4.44246
TEA030313	0	0	0	0.223502
TEA021291	2.92358	4.64234	4.50859	5.38583
TEA019050	13.2616	7.05442	9.331	6.17087
TEA003480	0	0	0	0
TEA004371	50.1088	5.79364	12.5146	12.1122
TEA005935	10.4136	14.3032	8.28649	6.09666
TEA010603	2.26694	2.97699	1.81377	2.5568
TEA004370	61.4972	9.26982	13.4416	5.12439
TEA016506	0	0	0	0
TEA033542	0.64819	0.830571	0	1.99237
TEA032852	0	0	0	0
TEA029627	31.0327	27.7383	29.8965	34.492
TEA004369	0.83333	0	0.423083	0
TEA004368	85.7475	3.31861	12.8298	6.23124
TEA023567	8.55826	2.47667	2.97015	3.54106
TEA004366	117.087	14.9337	34.5076	36.9423
TEA004365	0.43527	0	0	0

TEA006315	0.03697	0.046052	0	0
TEA030028	4.07961	3.72503	5.37281	3.57979
TEA004364	0.54324	0	0	0
TEA004360	301.758	169.536	327.625	335.853
TEA033850	81.6261	91.5826	82.8641	38.3592
TEA005909	6.11116	2.15835	1.91714	1.3691
TEA031630	42.1919	11.8668	23.6388	25.8065
TEA015431	2.44783	4.36475	4.99029	1.00152
TEA016443	2.59158	2.25469	1.91567	1.50191
TEA022926	0.85154	0.540811	0.432537	1.30609
TEA004116	36.7244	26.7542	34.2747	24.6954
TEA003981	0.35305	0.44301	0.70834	0.361654
TEA028346	0	0	0	0
TEA028261	3.0353	4.25351	5.4663	12.1983
TEA032554	0	0	0	0
TEA032676	0	0	0	0

Table S4-5. Specific expression analysis of *CssHSP* genes in abiotic and biotic stresses

ID	Number of genes	Cold stress	MeJA	Salt stress	Drought stress
TEA030313, TEA005576	2				☹
	0			☹	
	0			☹	☹
TEA004369, TEA005454, TEA028346, TEA011642, TEA032852	5		☹		
	0		☹		☹
	0		☹	☹	
TEA001664	1		☹	☹	☹
TEA031630, TEA004360, TEA005909	3				
	0				☹
TEA023567, TEA031251, TEA001822	3			☹	
	0			☹	☹
TEA026655, TEA032865, TEA025531, TEA030322, TEA015431, TEA033850	6		☹		
	0		☹		☹
	0		☹	☹	
	0		☹	☹	☹
TEA024355, TEA019050, TEA002646, TEA021291, TEA017422	5	☹			
	0	☹			☹

TEA006315, TEA022926, TEA003981	3	☹		☹	
	0	☹		☹	☹
TEA016506, TEA004686	2	☹	☹		
TEA031692	1	☹	☹		☹
TEA010314	1	☹	☹	☹	
	0	☹	☹	☹	☹
TEA004135, TEA005935	2	☹			
	0	☹			☹
TEA016443, TEA010603, TEA015202	3	☹		☹	
TEA029778	1	☹		☹	☹
TEA004371, TEA028966, TEA004370	3	☹	☹		
TEA028261	1	☹	☹		☹
TEA004366, TEA004368, TEA030028	3	☹	☹	☹	
TEA033542, TEA017741	2	☹	☹	☹	☹

Table S5. List of primers used in this study

Primer name	Primer sequence (5'-3')
For gene cloning	
CsHSP24.6-F	ATGGCTTCAACGACATTATTGGC
CsHSP24.6-R	TTACTGAATTTCCACATCAATCAC
CspTAC5-F	ATGCATTCCTCTCTACCTCTCAGTTTC
For overexpressing CsHSP24.6 in wild-type	
CspTAC5-R	CTAAACCACTGTCTTTCCTTCACAC
CsHSP24.6-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGCTTCAACGACATTATTGGC
CsHSP24.6-R	GGGGACCACTTTGTACAAGAAAGCTGGGTTTACTGAATTTCCACATCAATCAC
For analyzing the subcellular localization of HSP21	
CsHSP24.6-GFP-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGGCTTCAACGACATTATTGGC
CsHSP24.6-GFP-R	GGGGACCACTTTGTACAAGAAAGCTGGGTGCTGAATTTCCACATCAATCAC
CspTAC5-GFP-F	GGGGACAAGTTTGTACAAAAAAGCAGGCTATGCATTCCTCTCTACCCTCAGTTTC
CspTAC5-GFP-R	GGGGACCACTTTGTACAAGAAAGCTGGGTGAACCACTGTCTTTCCTTCACAC
For pull-down	
CsHSP24.6-GST-F	CTGGTTCCGCGTGGATCCATGGCTTCAACGACATTATTGGC
CsHSP24.6-GST-R	GAGTCGACCCGGGAATTCTTACTGAATTTCCACATCAATCAC
CspTAC5-MBP-F	GAAGGATTTAGAATTCGGATCCATGCATTCCTCTCTACCTCTCAGTTTC
CspTAC5-MBP-R	CTTGCCTGCAGGTCGACTCTAGACTAAACCACTGTCTTTCCTTCACAC
For BiFC	
CsHSP24.6-F	CTCTAGAGGATCCCCCTCGAGATGGCTTCAACGACATTATTG
CsHSP24.6-R	ATACTAGTGGATCCCCCGGGCTGAATTTCCACATCAATC
CspTAC5-F	CTCTAGAGGATCCCCCTCGAGATGCATTCCTCTCTACCTCTCAGTTTC
CspTAC5	ATACTAGTGGATCCCCCGGGCTGAATTTCCACATCAATC
For qRT-PCR	
CsHSP24.6-F	CAACAATCAGACCAACCAGCAGGCG
CsHSP24.6-R	TGGGAATGTCACAGAATCCTCAAAC
CspTAC5-F	GTGGCAAATGTTGCTGCG
CspTAC5-R	CCACTCTCCGCCGCTCCAGC

GAPDH-F	TTGGCATCGTTGAGGGTCT
GAPDH-R	CAGTGGAACACGGAAGC

Table S6. Leaf area measurement data

Sample	Paper					Leaf					
	L (cm)	W (cm)	M (mg)	A (cm ²)	A/M	L (cm)	W (cm)	M (mg)	a= A × (m/M) (cm ²)	l*w	k=a / (L × W)
1	3.80	2.70	70.20	10.26	0.15	0.20	0.20	0.20	0.03	0.04	0.73
2	2.60	1.90	34.60	4.94	0.14	0.25	0.15	0.20	0.03	0.04	0.76
3	2.60	1.85	33.30	4.81	0.14	0.25	0.20	0.30	0.04	0.05	0.87
4	2.70	2.00	35.50	5.40	0.15	0.20	0.15	0.20	0.03	0.03	1.01
5	2.65	1.90	35.00	5.04	0.14	0.20	0.15	0.20	0.03	0.03	0.96
6	3.80	2.70	71.20	10.26	0.14	0.25	0.20	0.30	0.04	0.05	0.86
7	3.70	2.65	68.10	9.81	0.14	0.20	0.20	0.20	0.03	0.04	0.72
8	3.70	2.60	68.10	9.62	0.14	0.20	0.20	0.20	0.03	0.04	0.71
9	3.70	2.60	67.70	9.62	0.14	0.20	0.15	0.20	0.03	0.03	0.95
10	3.70	2.60	67.60	9.62	0.14	0.20	0.20	0.20	0.03	0.04	0.71