

**Supplementary table 4.** The heterosis of flower color phenotypic parameters and flower pigment

Traits	P <sub>1</sub>	P <sub>2</sub>	MPV	Skewness	Kurtosis	<i>H<sub>m</sub></i>	<i>RH<sub>m</sub></i> %
	Female	Male					
<i>L</i> *	46.20	28.07	37.14	0.36	-0.51	8.83	23.77
<i>a</i> *	32.23	29.33	30.78	-0.55	-0.48	-5.15	-16.72
<i>b</i> *	-2.26	18.25	8.00	1.02	0.64	8.74	109.34
<i>C</i> *	32.31	34.81	33.56	1.70	10.73	1.73	5.17
<i>h</i> <sup>o</sup>	-3.99	32.39	14.20	-0.36	1.61	14.32	100.83
An (mg·g <sup>-1</sup> )	0.51	1.80	1.16	0.85	0.79	-0.42	-35.96
Ca (g·ml <sup>-1</sup> )	2.75	59.78	31.27	1.78	3.31	-17.87	-57.16
An/Ca	0.19	0.03	0.11	1.57	3.14	-0.03	-27.50