

Supplementary table 7. The detailed result of QTLs test of all flower color traits

Traits	QTL code	Linkage group	The number of QTLs	The number of QTL associated markers	The position on the genetic map	LOD threshold	Exp %
<i>L</i> *	<i>qL-18-1</i>	LG18	2	63	0-24.01	30.51	37.10
	<i>qL-18-2</i>	LG18			25.99-38.86	18.88	33.60
<i>a</i> *	<i>qa-18-1</i>	LG18	2	63	0-24.01	27.99	39.00
	<i>qa-18-2</i>	LG18			25.99-38.86	19.66	31.50
<i>b</i> *	<i>qb-17-1</i>	LG17	5	100	90.28-99.23	19.37	31.60
	<i>qb-17-2</i>	LG17			100.23-104.97	12.04	20.30
	<i>qb-17-3</i>	LG17			132.59-147.45	19.16	32.30
	<i>qb-18-1</i>	LG18			15.37-24.01	14.14	19.80
	<i>qb-18-2</i>	LG18			25.99-30.51	9.91	16.40
<i>C</i> *	<i>qC-16-1</i>	LG6	2	5	164.97-164.97	11.46	22.40
	<i>qC-16-2</i>	LG6			169.61-170.57	11.43	22.40
<i>h</i> *	<i>qh-17-1</i>	LG17	5	113	90.28-99.23	12.44	23.50
	<i>qh-17-2</i>	LG17			100.23-104.97	7.82	13.40
	<i>qh-17-3</i>	LG17			132.59-147.45	11.97	25.40
	<i>qh-18-1</i>	LG18			0-24.01	14.01	19.60
	<i>qh-18-2</i>	LG18			25.99-38.86	9.00	20.90
An	<i>qAn-17</i>	LG17	3	97	40.65-55.37	8.67	18.80
	<i>qAn-18-1</i>	LG18			0-24.01	14.12	19.30
	<i>qAn-18-2</i>	LG18			25.99-38.86	10.12	17.60
Ca	<i>qCa-17-1</i>	LG17	2	36	90.28-99.23	18.92	26.20
	<i>qCa-17-2</i>	LG17			132.59-134.24	18.66	24.80
AnCa	<i>qAnCa-17-1</i>	LG17	4	40	90.28-99.23	11.00	18.30
	<i>qAnCa-17-2</i>	LG17			132.59-134.24	10.49	15.40
	<i>qAnCa-18-1</i>	LG18			18.54-18.54	9.35	13.20
	<i>qAnCa-18-2</i>	LG18			19.2-20.04	9.37	13.50