

Table 4 Results of QTLs controlling LL, LW, and PW on AFLP linkage of maternal parent *Phalaenopsis*

Traits	QTLs	Linkage groups	Position	Marker interval	LOD value	R <sup>2</sup>
LL	qll-1-1	FLG-1	131.2	FP10-M11-1200~FP6-M12-230	8.21	70.7
	qll-1-2	FLG-1	132.8	FP6-M12-230~FP10-M10-700	4.30	70.6
	qll-2-3	FLG-2	91.0~97.0	FP3-M3-600~FP2-M24-1050	9.22	76.2
	qll-2-4	FLG-2	98.6~99.6	FP2-M24-1050~FP12-M37-580	7.89	76.3
	qll-2-5	FLG-2	129.7~132.7	FP2-M3-475~FP11-M16-1000	5.55	70.9
	qll-2-6	FLG-2	137.6	FP11-M16-1000~FP11-M10-450	4.14	66.0
	qll-3-7	FLG-3	0.0~36.9	FP6-M11-380~MFP1-M22-210	9.24	60.3
	qll-3-8	FLG-3	54.5~58.5	FP6-M11-380~MFP12-M38-500	3.92	57.7
	qll-6-9	FLG-6	1.0~13.0	FP1-M11-420~MFP2-M34-650	8.57	71.6
	qll-9-10	FLG-9	29.3~31.3	MFP11-M11-750~MFP2-M10-500	5.28	71.1
LW	<i>qLW-1-1</i>	FLG-1	117.1	FP2-M10-450~MFP1-M17-450	4.23	59.6
	<i>qLW-1-2</i>	FLG-1	117.9	FP1-M17-1000	4.85	61.3
	<i>qLW-1-3</i>	FLG-1	123.8	FP6-M36-680~FP11-M8-480	3.11	57.8
	<i>qLW-3-4</i>	FLG-3	8.0~15.0	MFP1-M22-210~MFP2-M38-500	3.89	67.3
	<i>qLW-3-5</i>	FLG-3	20.0~24.0	MFP2-M38-500~FP1-M9-1200	4.83	58.7
	<i>qLW-3-6</i>	FLG-3	46.9~48.9	FP1-M9-1200~FP6-M11-380	4.26	66.9
	<i>qLW-6-7</i>	FLG-6	0.0~12.0	FP1-M11-420~MFP2-M34-650	7.62	69.3
	<i>qLW-6-8</i>	FLG-6	17.2~44.5	MFP2-M34-650~FP13-M3-1300	6.95	65.9
PW	<i>qPW-1-1</i>	FLG-1	115.4	FP11-M13-420~FP2-M10-450	5.47	65.5
	<i>qPW-1-2</i>	FLG-1	117.1	FP2-M10-450~MFP1-M17-450	4.63	57.8
	<i>qPW-1-3</i>	FLG-1	117.9	FP1-M17-1000	3.96	56.3
	<i>qPW-1-4</i>	FLG-1	126.2~127.2	FP12-M38-200~FP1-M19-340	5.27	57.8
	<i>qPW-1-5</i>	FLG-1	135.0~136.0	FP2-M3-1300~FP2-M17-225	4.24	59.1
	<i>qPW-2-6</i>	FLG-2	102.1~103.1	FP5-M10-880~FP6-M37-420	4.49	63.2
	<i>qPW-2-7</i>	FLG-2	121.0~123.0	FP6-M37-500~FP5-M32-600	3.76	59.1
	<i>qPW-3-8</i>	FLG-3	20.0~24.0	MFP2-M38-500~FP1-M9-1200	3.96	59.0
	<i>qPW-6-9</i>	FLG-6	3.0~16.0	FP1-M11-420~MFP2-M34-650	6.29	68.5
	<i>qPW-6-10</i>	FLG-6	17.2~18.2	MFP2-M34-650~FP1-M6-240	6.06	68.2