

trait	cim QTL					stepwise QTL										
	QTL	Chr	position	LOD score	P-value	QTL	total R <sup>2</sup> (%)	Chr	position (cM)	closest marker	LOD score	95% CI (cM)	R <sup>2</sup> (%)	model	additive effect	F-test (P-value)
20°C	<i>GIR20_1</i>	1	2	5.43	0	<i>GIR20_1</i>	19.718	1	7	F21 M12	8.6	3-11	8.3487	Y-Q1+Q2+Q3+Q1: Q3	0.0388 (0.0084)	3.27*10 <sup>-9</sup>
						<i>GIR20_2</i>		2	60	MSAT 2.10	2.7	24-64.6	2.5922	Y-Q1+Q2+Q3+Q1: Q3	0.0302 (0.0086)	0.0005
						<i>GIR20_3</i>		3	15	MSAT 305754	11.8	4-18	11.6479	Y-Q1+Q2+Q3+Q1: Q3	-0.0598 (0.0094)	2.4*10 <sup>-12</sup>
28°C						<i>GIR28_1</i>	52.603	1	18	IND 6375	24.0	17-20	15.3340	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2	0.2314 (0.0209)	0
						<i>GIR28_2</i>		2	36	MSAT 2.41	33.9	35-37	22.9690	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2	-0.2833 (0.0210)	0
						<i>GIR28_4</i>		4	24.2	MSAT 4.35	2.8	13-30	1.5963	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2	0.0718 (0.0199)	0.0003
						<i>GIR28_5.1</i>		5	1	MSAT 500027	3.8	0-22	2.1614	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2	-0.0885 (0.0211)	3.3*10 <sup>-5</sup>
						<i>GIR28_5.2</i>		5	43	MSAT 512110	8.0	36-47	4.6193	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2	-0.1318 (0.0215)	2.03*10 <sup>-9</sup>
						<i>GIR28_5.3</i>		5	71.6	MSAT 5.12	4.8	69-88	2.7520	Y-Q1+Q2+Q3+Q4 +Q5+Q6+Q1:Q2		3*10 <sup>-6</sup>
TIHE						<i>GIR1</i>	43.293	1	26	MSAT 108193	10.5	16-28	7.5838	Y-Q1+Q2+Q3+Q4 +Q5+Q2:Q4	14.8284 (2.0800)	5.13*10 <sup>-12</sup>
						<i>GIR2.1</i>		2	35	MSAT 2.41	23.2	35-36	18.0554	Y-Q1+Q2+Q3+Q4 +Q5+Q2:Q4	-22.1834 (2.1771)	0
						<i>GIR2.2</i>		2	62	MSAT 2.22	5.2	59-64.6	3.6010	Y-Q1+Q2+Q3+Q4 +Q5+Q2:Q4	-11.5189 (2.3449)	1.34*10 <sup>-6</sup>
						<i>GIR5.1</i>		5	35	NGA 139	7.2	29-40	5.0786	Y-Q1+Q2+Q3+Q4 +Q5+Q2:Q4	-12.8525 (2.4091)	8.36*10 <sup>-8</sup>
						<i>GIR5.2</i>		5	71	MSAT 5.12	2.6	56-91.2	1.7793	Y-Q1+Q2+Q3+Q4 +Q5+Q2:Q4	-7.4189 (2.1485)	0.0006

**Chr**, chromosome; **CI**, confidence interval; **cim**, composite interval mapping; **cM**, centimorgan; **GIR**, *GIRAFFE*; **LOD**, logarithm of odds; **QTL**, quantitative trait locus; **R<sup>2</sup>**, phenotypic variance; **TIHE**, temperature-induced hypocotyl elongation