

表 2 川 6415 染色体区段在川麦 42/川农 16 RIL 群体中检测到的 QTL (汤永禄, 2008; Tang et al., 2011)

Table 2 The QTLS on Chuan6415 chromosome fragments in recombinant inbred lines (Tang, 2008; Tang et al., 2011)

性状 Trait	QTL	标记区间 Marker interval	QTL 位置 QTL position	最大似然值 LOD	加性效应 Add.eff.	贡献率(%) R2 (%)
粒数/m <sup>2</sup> Grains per square meter	QSsm.saas-4B	Xgwm149-Xbarc1096	10.01	3.16	10.5	9.37
	QSsm.saas-2B.1	Xgwm429-Xbarc373	16.01	4.84	-13.1	14.39
	QSsm.scu-2B.g08	Xbarc373-Xbarc1156	2.00	3.80	-	8.40
产量 Grain yield	QGy.saas-2B	Xbarc373-Xbarc1156	0.01	2.91	-158	7.26
千粒重 Thousand kernel weight	QTKw.saas-7A	Xbarc174-Xbarc22	6.01	2.79	-1.02	8.10
每穗粒重 Grain weight per spike	QGws.saas-4B	Xgwm251-Xgwm149	6.01	3.25	-0.07	10.24
生物产量 Biomass yield	QBy.saas-4B	Xgwm149-Xbarc1096	10.01	2.67	-513	9.27
穗颈节比 Ratio of peduncle internode to plant height	QRpp.scu-2D2.g08	Xbarc18-Xgwm120	6.00	5.20	-	15.40
	QRpp.scu-2D3.g08	Xgwm120-Xwmc441	4.00	3.40	-	17.00
株高 Plant height	QPh.scu-7A1.g08	Xgwm60-Xbarc121	30.00	4.80	-	22.60

注: 加性效应中正值表示川 6415 等位变异有利于增加表型值, 负值表示川 6415 等位变异减少表型值

Note: A positive value in Additive effects implies the Chuan6415 allele increased phenotypic value whereas a negative value implies the Chuan6415 allele decreased phenotypic value