

Table 3. Molecular markers showing association with traits evaluated using a mixed linear model (MLM)

SNP	Trait	Position		-log ₁₀ (p) value	PVE (%)
		Chromosome	(bp)		
Chr07_33139082	SUC	7	33139082	9.9	23.5
Chr15_17923340	SUC	15	17923340	4.4	6.0
Chr06_7938399	FRU	6	7938399	5.9	0.7
Chr07_33139082	FRU	7	33139082	6.6	9.2
Chr11_41197041	FRU	11	41197041	6.3	2.9
Chr15_16568005	FRU	15	16568005	5.7	1.7
Chr00_30710088	GLU	0	30710088	8.8	21.1
Chr06_7938399	GLU	6	7938399	4.6	2.3
Chr07_33139082	GLU	7	33139082	6.5	25.2
Chr11_41197041	GLU	11	41197041	18.9	21.7
Chr03_31587739	HarT	3	31587739	8.9	16.5
Chr15_16568005	HarT	15	16568005	12.2	20.3
Chr00_23086705	Aci	0	23086705	5.0	4.4
Chr06_20720912	Aci	6	20720912	15.7	13.1
Chr14_14932973	Aci	14	14932973	4.2	3.0
Chr16_3043313	Aci	16	3043313	7.6	11.0

Traits are as defined in Table 2

PVE indicates the percentage of the phenotypic variance explained by the QTL