

Multi QTL model fit report

1 General information

Analysis done on 18-07-24 09:33:42
Pipeline version 0.0.0.9000

2 Model

Table 1: List of fitted candidate QTLs

	altName	chr	lod
M_0121	Q1@120	1	5.24
c2.loc80	Q2@80	2	5.11
c2.loc110	Q2@110	2	3.49
M_0569	Q4@100	4	3.49

Table 2: Model

Selection backward
Threshold 0.05
Window 30
Final model $\text{trait} \sim \text{Q1@120} + \text{Q2@80} + \text{Q4@100}$

3 Summary

Table 3: Full model result

	df	SS	MS	LOD	%var	Pvalue(Chi2)	Pvalue(F)
Model	6	14317	2386	15.67	38.19	1.46e-13	4.65e-13
Error	143	23168	162				
Total	149	37484					

4 Anova

	df	Type III SS	LOD	%var	F value	Pvalue(Chi2)	Pvalue(F)	
M_0121	2	6087	7.60	16.24	18.78	2.52e-08	5.71e-08	***
c2.loc80	2	4517	5.80	12.05	13.94	1.58e-06	2.95e-06	***
M_0569	2	3189	4.20	8.51	9.84	6.31e-05	9.90e-05	***
Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1								

5 Effects

	estimate	SE
Intercept	96.35	1.07
M_0121a	9.44	1.55
M_0121d	-2.89	2.15
c2.loc80a	-6.91	1.62
c2.loc80d	-6.20	2.53
M_0569a	6.88	1.58
M_0569d	-0.57	2.11

