

Multi QTL model fit report

1 General information

Analysis done on 18-02-19 10:27:48
Pipeline version 0.0.0.9000

2 Model

Table 1: List of fitted candidate QTLs

	altName	chr	lod
M_0121	Q1@120	1	9.66
M_0213	Q2@71	2	8.87
M_0438	Q3@140	3	4.46
M_0569	Q4@100	4	5.58
c7.loc85	Q7@85	7	4.10

Table 2: Model

Selection backward
Threshold 0.05
Window 30
Final model $\text{trait} \sim \text{Q1@120} + \text{Q2@71} + \text{Q3@140} + \text{Q4@100} + \text{Q7@85}$

3 Summary

Table 3: Full model result

	df	SS	MS	LOD	%var	Pvalue(Chi2)	Pvalue(F)
Model	10	19500	1950	23.92	52.02	0.00e+00	0.00e+00
Error	139	17984	129				
Total	149	37484					

4 Anova

	df	Type III SS	LOD	%var	F value	Pvalue(Chi2)	Pvalue(F)	
M_0121	2	6509	10.06	17.36	25.15	8.68e-11	4.75e-10	***
M_0213	2	5587	8.81	14.90	21.59	1.54e-09	6.83e-09	***
M_0438	2	2724	4.59	7.27	10.53	2.54e-05	5.53e-05	***
M_0569	2	4365	7.08	11.65	16.87	8.35e-08	2.76e-07	***
c7.loc85	2	2150	3.68	5.74	8.31	2.09e-04	3.90e-04	***
Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1								

5 Effects

	estimate	SE
Intercept	95.60	0.97
M_0121a	9.73	1.40
M_0121d	-4.20	1.94
M_0213a	-6.95	1.35
M_0213d	-6.39	1.92
M_0438a	-6.51	1.42
M_0438d	-0.29	1.89
M_0569a	8.27	1.42
M_0569d	1.13	1.89
c7.loc85a	5.63	1.53
c7.loc85d	5.08	2.45