

Multi QTL model report

2018-01-15 11:49:15

1 Background information

Modeling date 18-01-15
Modeling time 11:49:15
Pipeline version 0.0.0.9000

2 Model

Table 1: Model

Full model trait ~ M_0099 + M_0121 + c2.loc65 + c2.loc80 + M_0239 + c2.loc115 + M_0569 + c5.loc20
Selection backward
Final model trait ~ M_0099 + M_0121 + c2.loc65 + M_0569 + c5.loc20

Table 2: List of fitted markers

	chr	pos
M_0099	1	98.00
M_0121	1	120.00
c2.loc65	2	65.00
c2.loc80	2	80.00
M_0239	2	97.00
c2.loc115	2	115.00
M_0569	4	100.00
c5.loc20	5	20.00

3 Summary

Table 3: Full model result

	df	SS	MS	LOD	%var	Pvalue(Chi2)	Pvalue(F)
Model	10	16210	1621	18.45	43.24	5.31e-14	3.38e-13
Error	139	21275	153				
Total	149	37484					

4 Anova

	df	Type III SS	LOD	%var	F value	Pvalue(Chi2)	Pvalue(F)	
M_0099	2	1058	1.58	2.82	3.46	2.62e-02	3.43e-02	*
M_0121	2	3069	4.39	8.19	10.03	4.08e-05	8.57e-05	***
c2.loc65	2	2739	3.94	7.31	8.95	1.14e-04	2.21e-04	***
M_0569	2	3490	4.95	9.31	11.40	1.13e-05	2.60e-05	***
c5.loc20	2	1022	1.53	2.73	3.34	2.96e-02	3.83e-02	*
Significance codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1								

5 Effects

	estimate
Intercept	96.55
M_0099a	1.14
M_0099d	5.93
M_0121a	7.70
M_0121d	-4.71
c2.loc65a	-6.02
c2.loc65d	-4.30
M_0569a	7.28
M_0569d	0.21
c5.loc20a	-2.73
c5.loc20d	-4.11