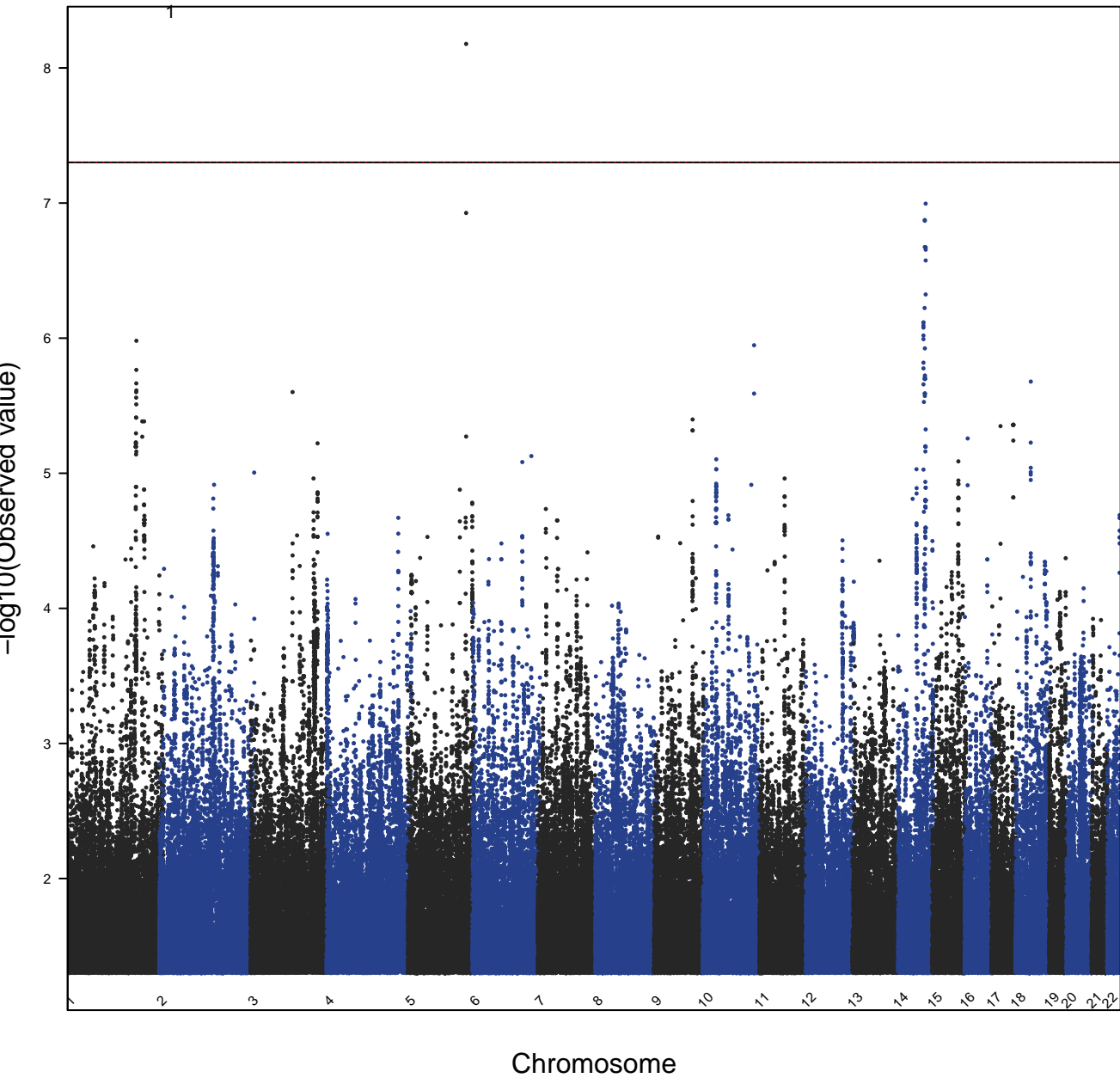
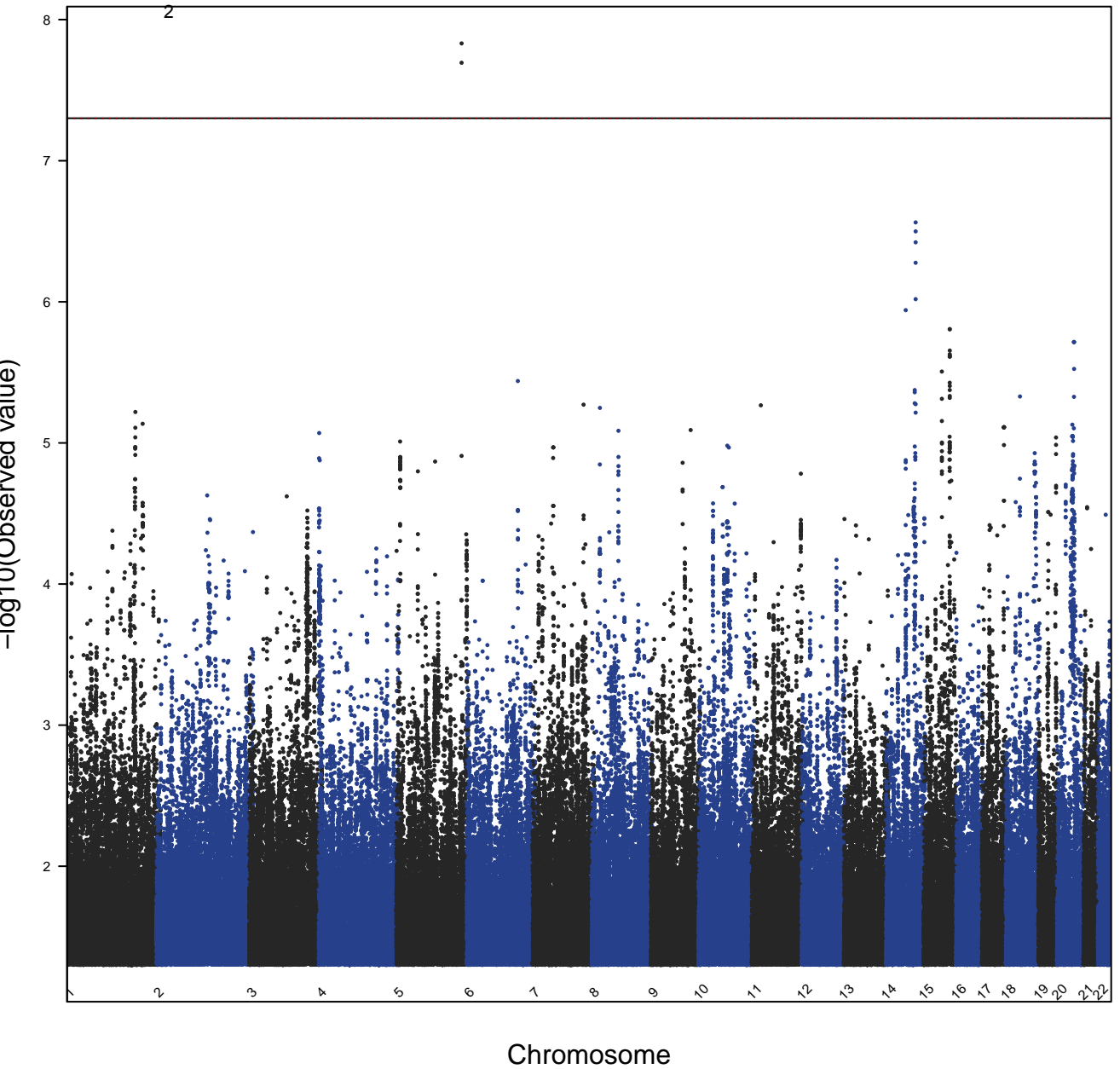


Supplemental Digital Content Figure 3: Manhattan plots of the MLM GWAS Analyses. Univariate analysis (a) Marder positive factor score, (b) total PANSS score , (c) Marder negative factor score, (d) CGI-S and multivariate analysis of Marder positive factor score, Marder negative factor score, total PANSS score , and CGI-S (e). The dotted line indicates genome wide significance threshold of 5×10^{-8} . Only variants with $p < 0.05$ are shown.

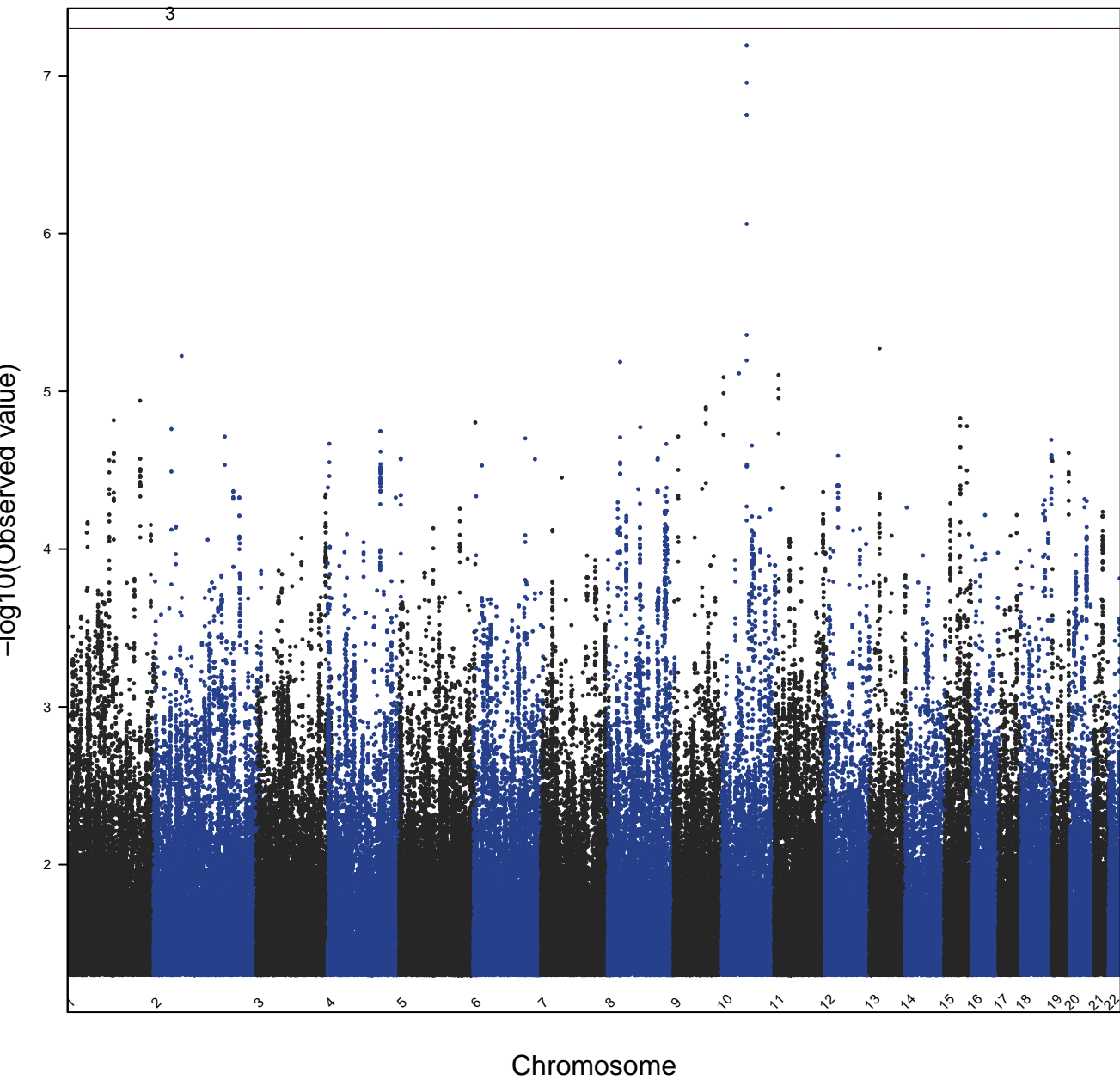
Positive Marder Factor Score Univariate GWAS Analysis (MLM)



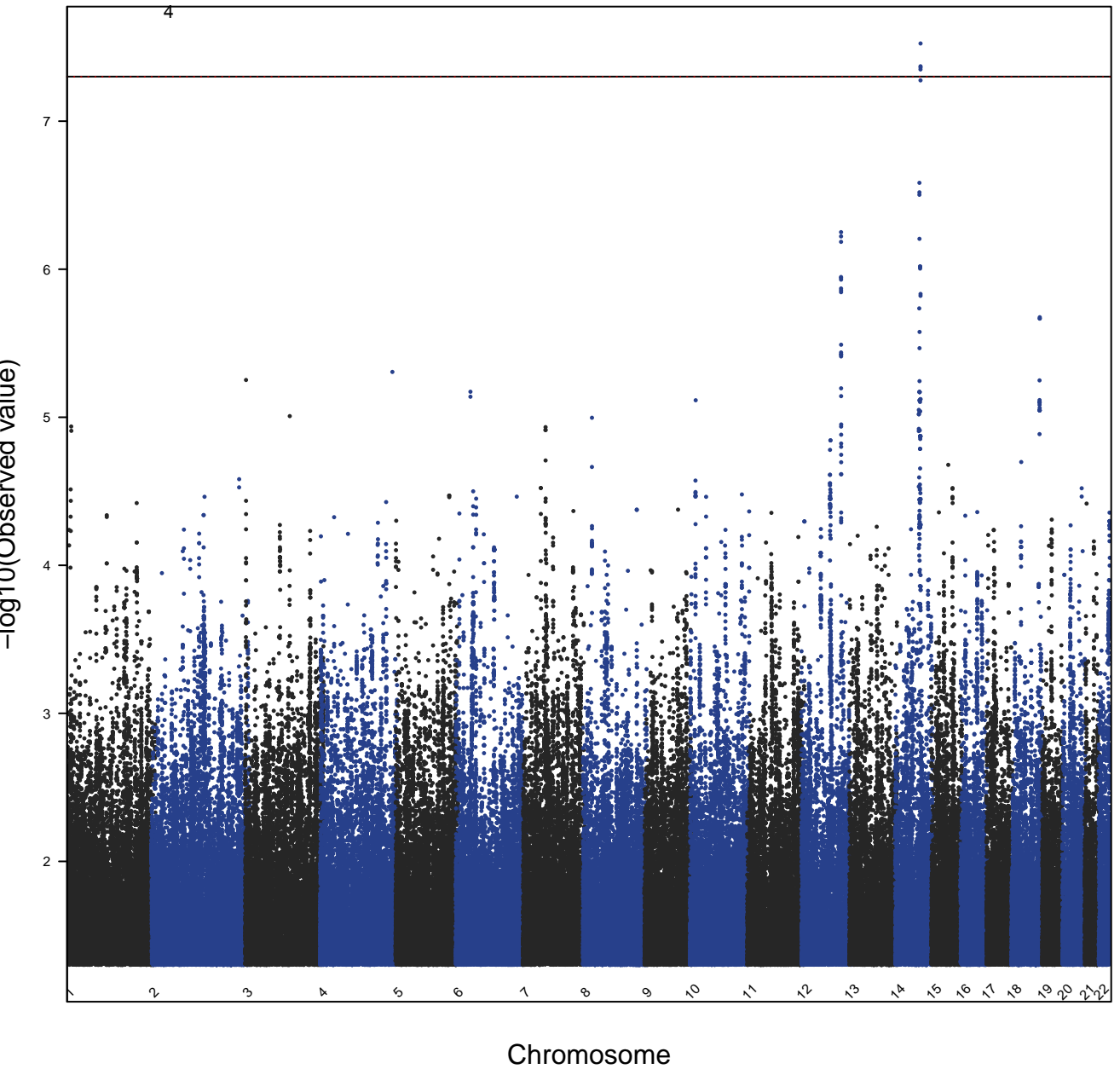
Total PANSS Score Univariate GWAS Analysis (MLM)



Negative Marder Factor Score Univariate GWAS Analysis (MLM)



CGIS Univariate GWAS Analysis (MLM)



Multivariate GWAS Analysis (MLM)

