

Fig. S10. Manhattan plot for the $-\log_{10}$ (P-value) of single SNP associated with α S1-CN

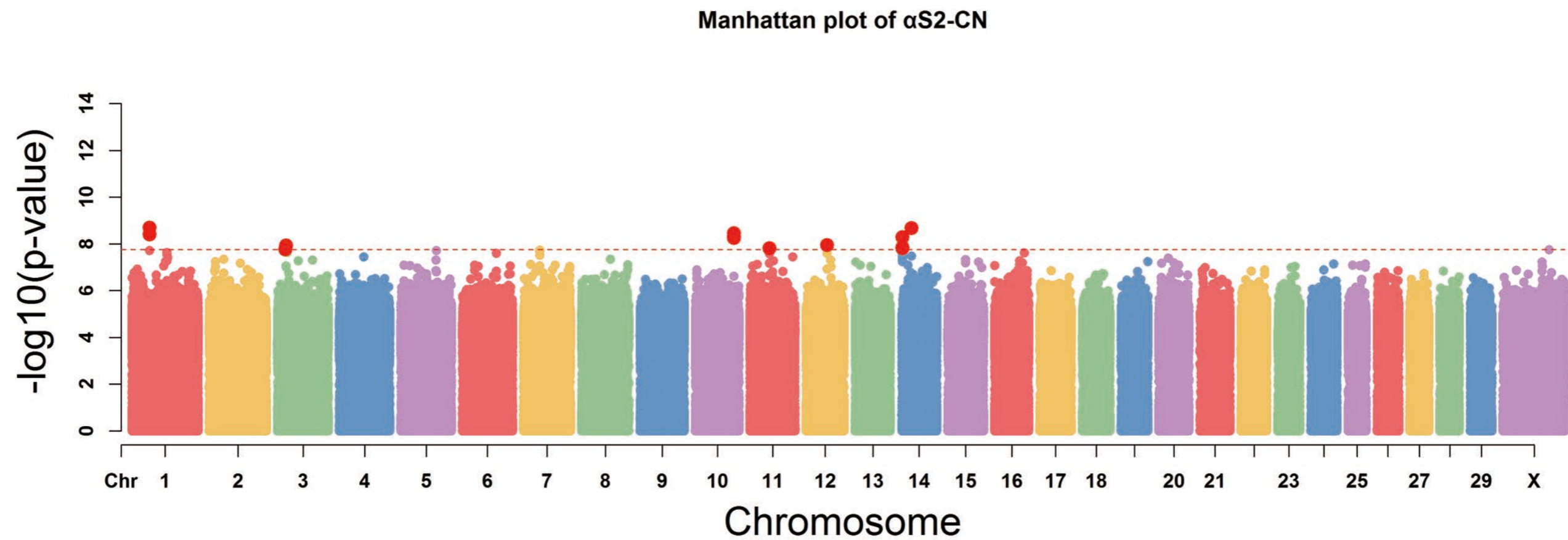


Fig. S11. Manhattan plot for the $-\log_{10}$ (P-value) of single SNP associated with α S2-CN

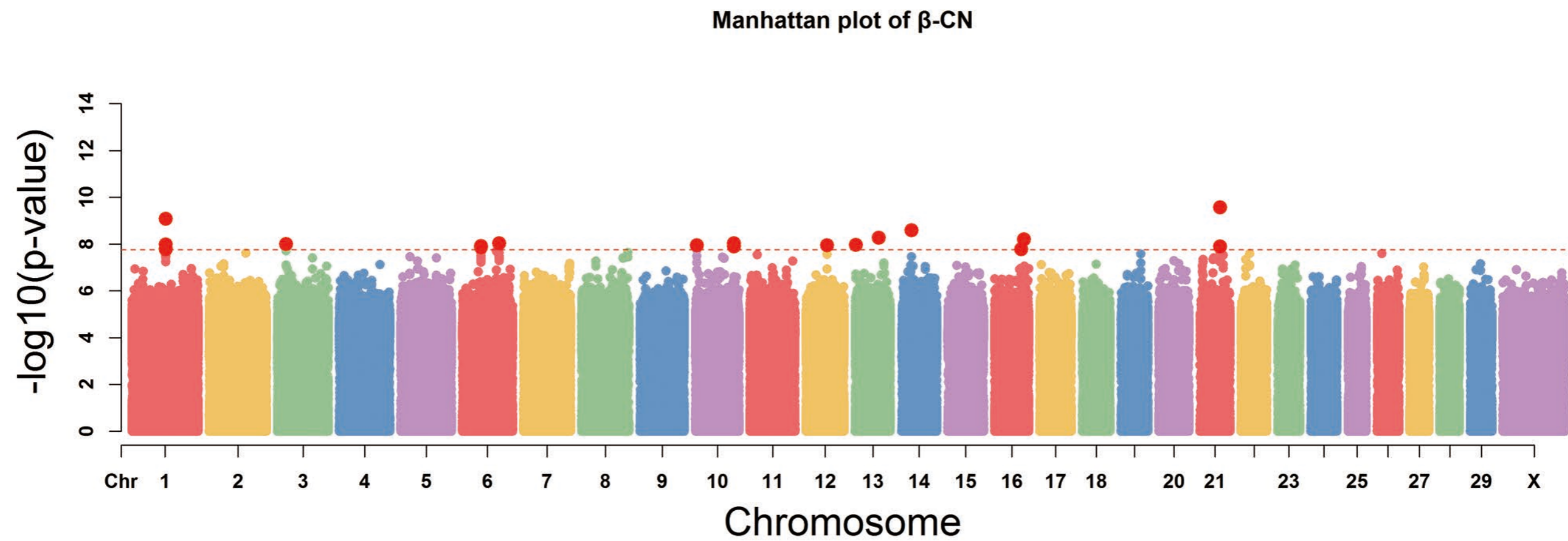


Fig. S12. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with β -CN

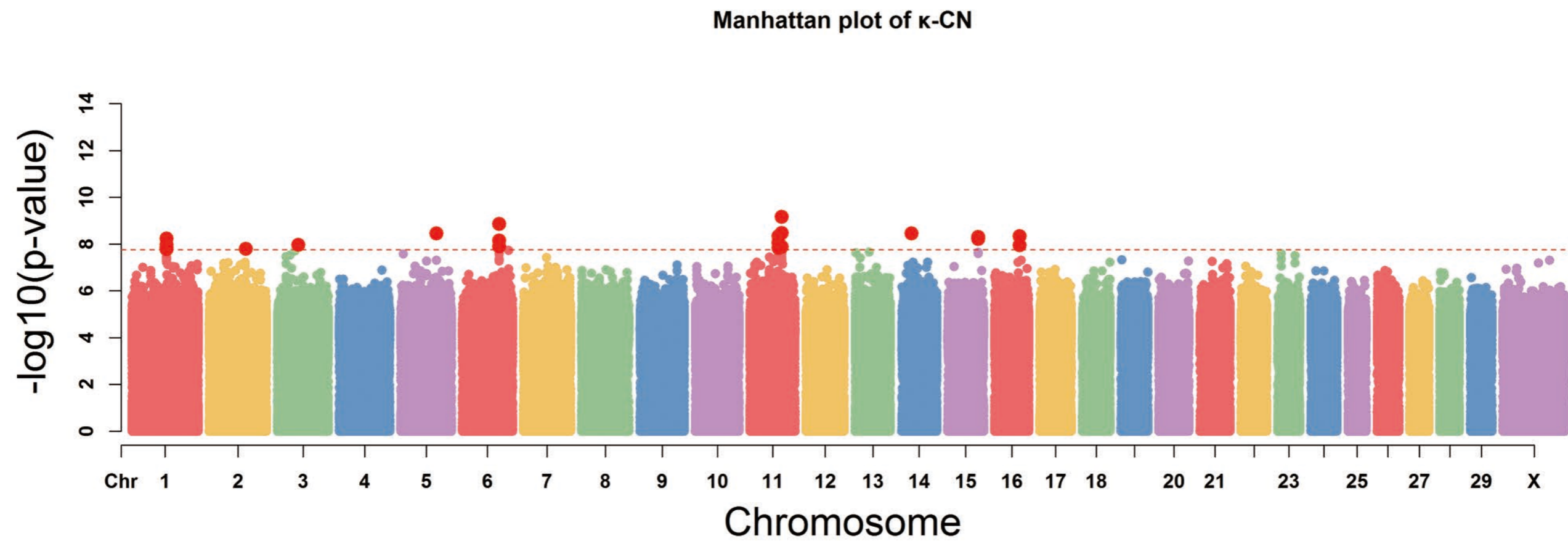


Fig. S13. Manhattan plot for the $-\log_{10}$ (P-value) of single SNP associated with κ -CN

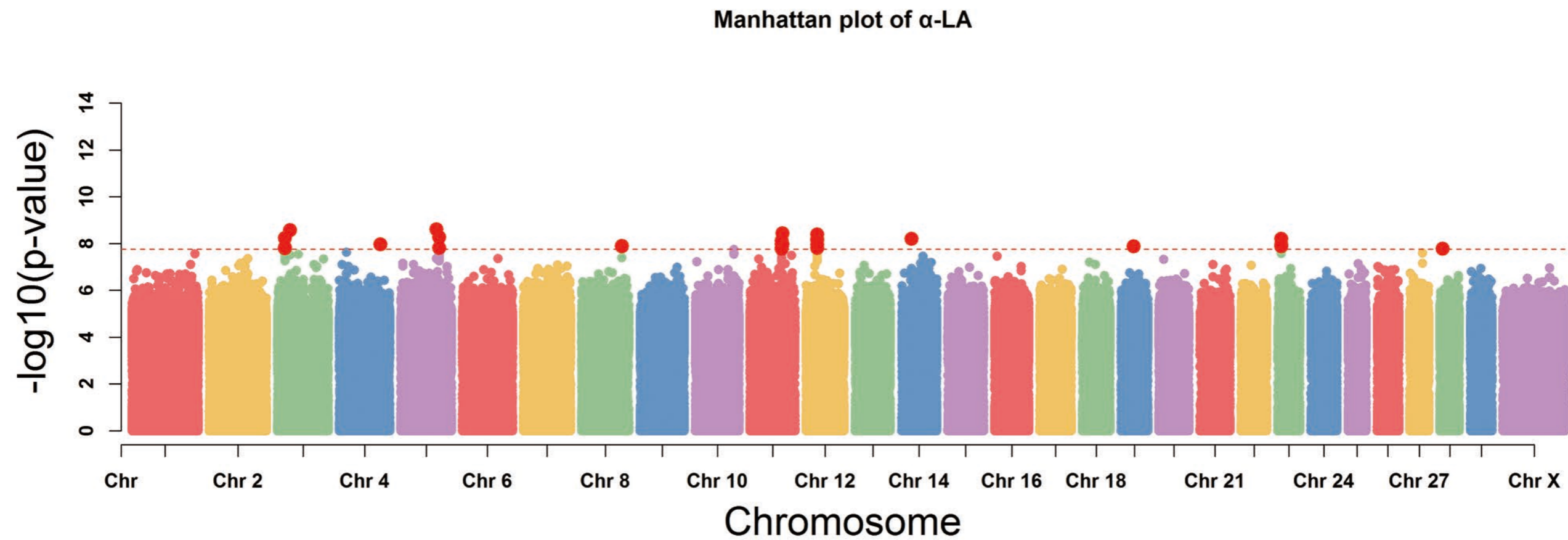


Fig. S14. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with α -LA

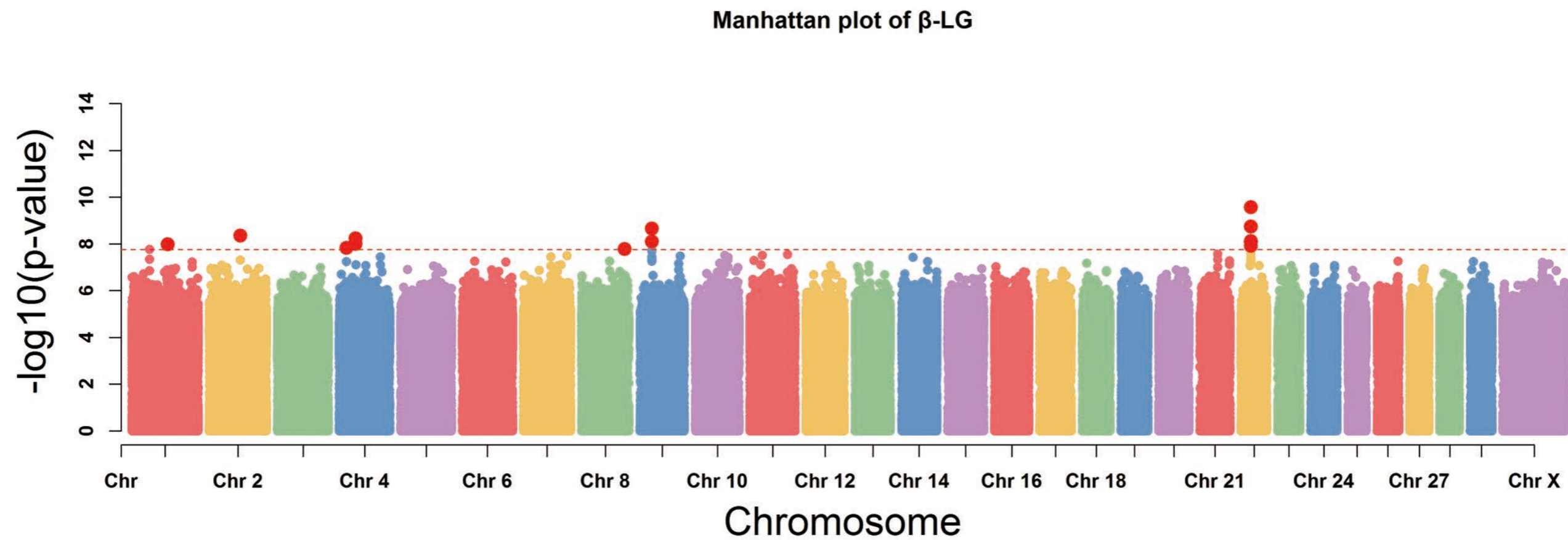


Fig. S15. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with β -LG

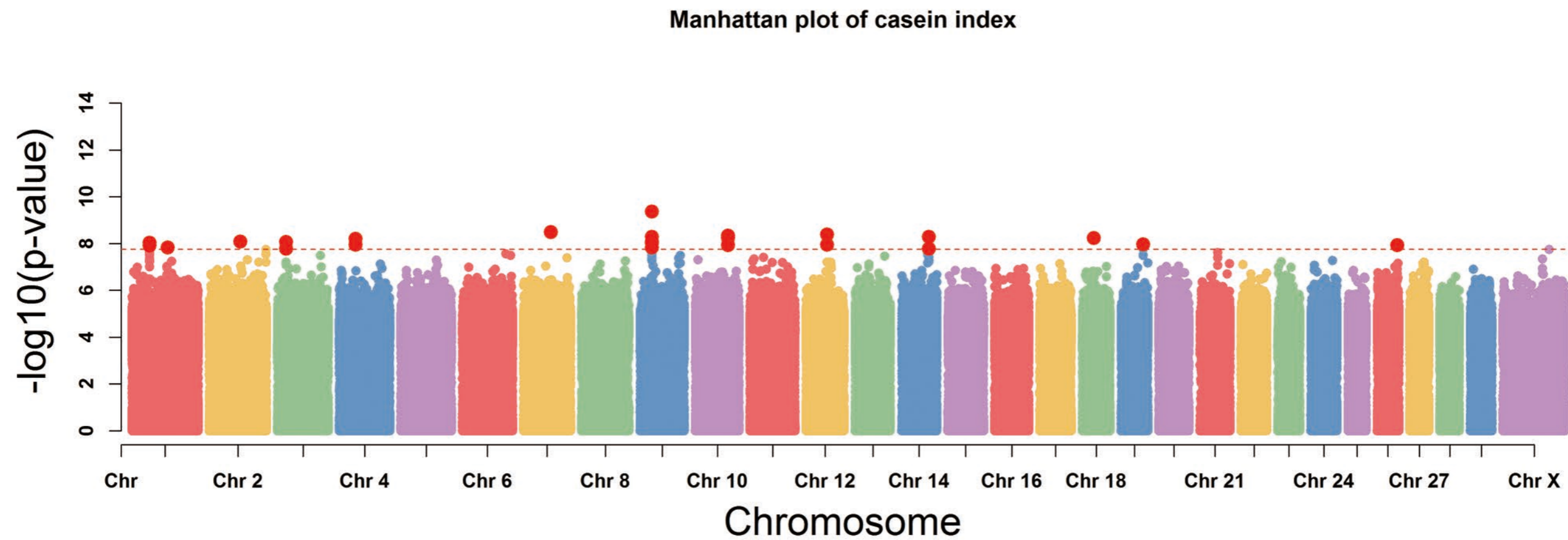


Fig. S16. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with casein index

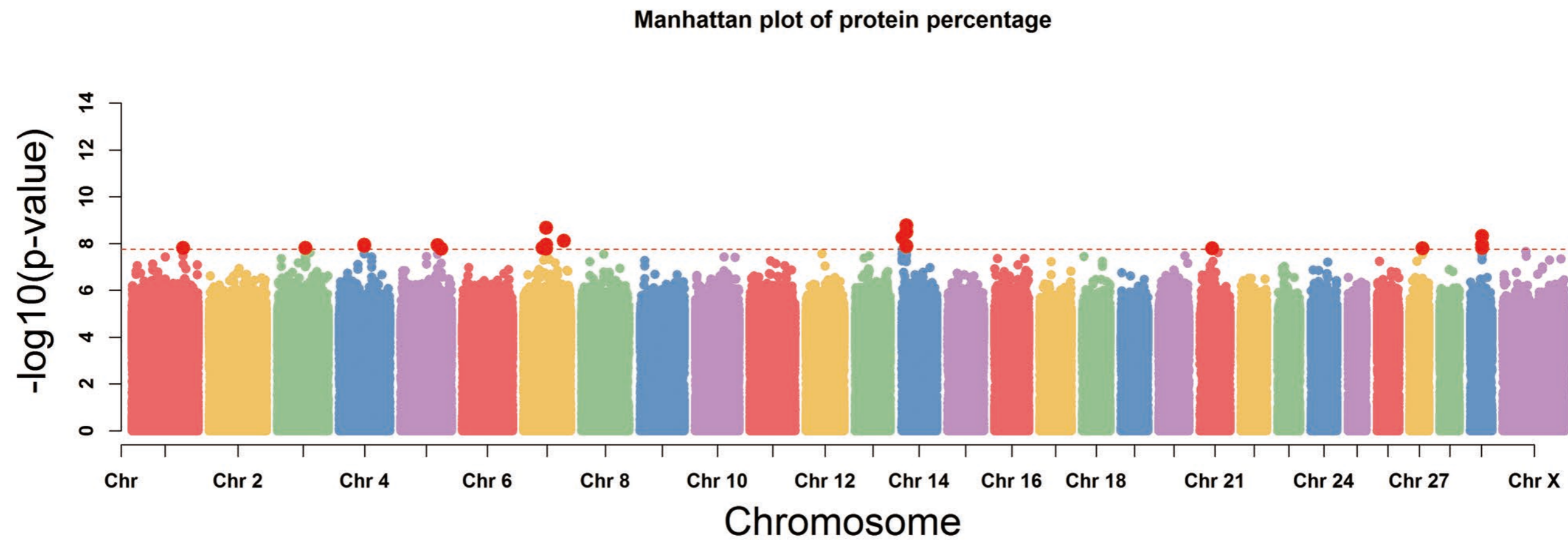


Fig. S17. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with protein percentage

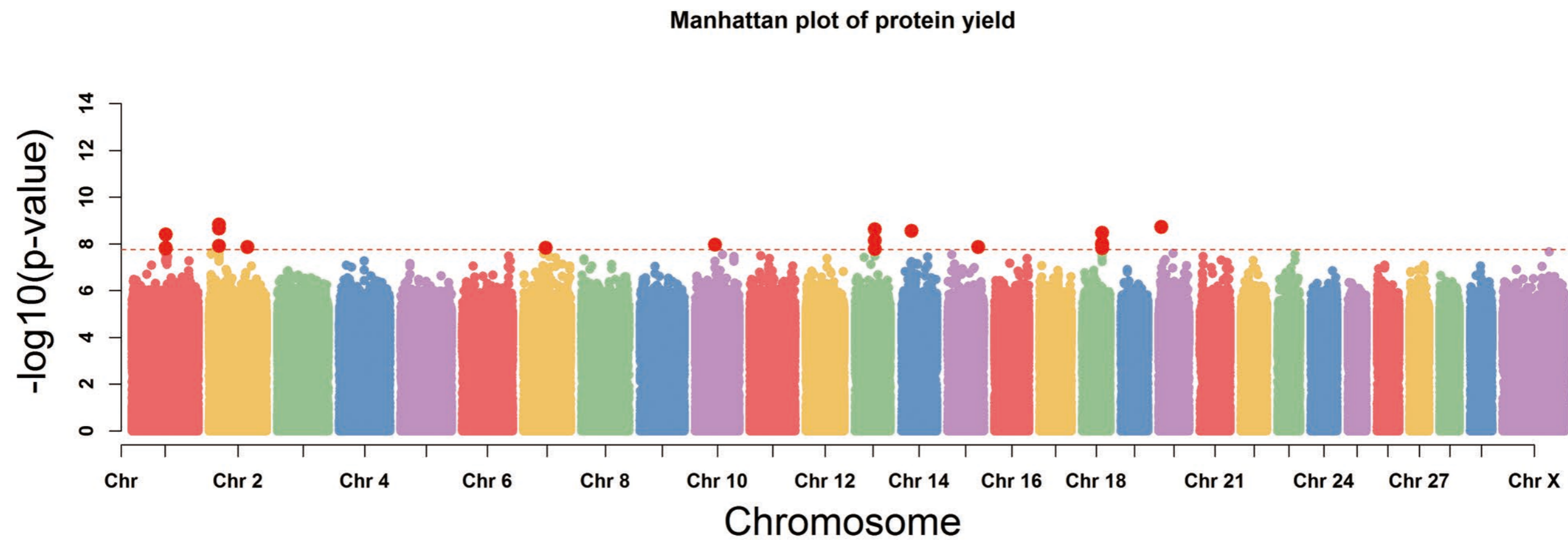


Fig. S18. Manhattan plot for the $-\log_{10}(\text{P-value})$ of single SNP associated with protein yield

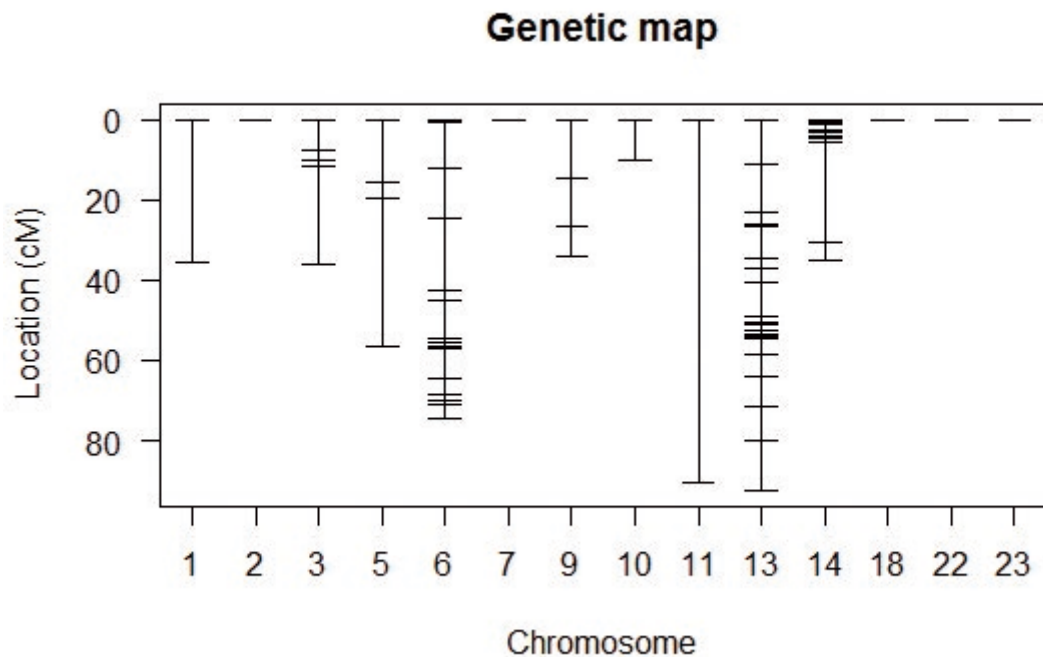


Fig. S19. Genetic map for 118 QTL related to milk protein composition