

Manhattan plot showing $-\log_{10}(p)$ values for 22 chromosomes. The y-axis ranges from 0 to 20. A red horizontal line is at approximately 5.5. Numerous points are labeled with gene names, including BOLA1, MET, CFAP52, and many others. The plot shows significant associations across all chromosomes, with the highest peaks on chromosomes 7 and 17.