

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 6.5. Numerous points are labeled with gene names, including NUP210, JPO4, JRX6, SEPTIN5, and many others. The plot shows significant enrichment across all chromosomes, with many points exceeding the significance threshold.