



Methylation UMAP plot

Figure 1 is a Manhattan plot showing the association of 10,000 SNPs with the expression of 100 genes. The y-axis represents the association p-value on a $-\log_{10}$ scale, ranging from -1.2 to 1.2. The x-axis shows chromosomes from chr1 to chrY. A horizontal blue line at $y=0$ indicates the null hypothesis. Points are colored blue for positive association and red for negative association. Labeled genes include NTRK1, MYCN, MDM4, MLC1, PDCDHL, SOX2, OPA1, PDGFRA, EGFR, EGFR.WT, MET, CDKN2A, CDKN2B, NTRK2, PTEN, GSK3, RB1, NUTM1, NTRK3, TP53, ERBB2, NF1, BRD4, NFP, and IL13RA2.