



Methylation UMAP plot

Close-up of UMAP for 202123800112_R08C01

Neighbors in UMAP for 202123800112_R08C01

Histological Type	Percentage
DNADEG	33.3 %
LYM_B_MZL_EYE	13 %
NSCLC	13 %
LYM_B_MZL_LUN	7 %
MPNST	7 %
APP_NET	7 %
MNG	7 %
BR_CA	7 %
TCL_NOS	7 %

Figure 1 is a Manhattan plot showing the results of a genome-wide association study (GWAS) for the number of metastatic sites. The x-axis represents chromosomes from 1 to 22, X, and Y. The y-axis represents the negative log10(p-value), ranging from -1.2 to 1.2. Significant associations are highlighted with blue dots and labels. Key genes and loci include NTRK1, MDM4, MYCN, PDGF1, VHL, SOX2, OPA1, MDM2, EGFR, EGFR_vIII, MET, NTRK2, CDKN2A, PTEN, MDM2, RB1, NUTM1, NTRK3, ERBB2, NF1, BRD4, NF2, and IL13RA2.