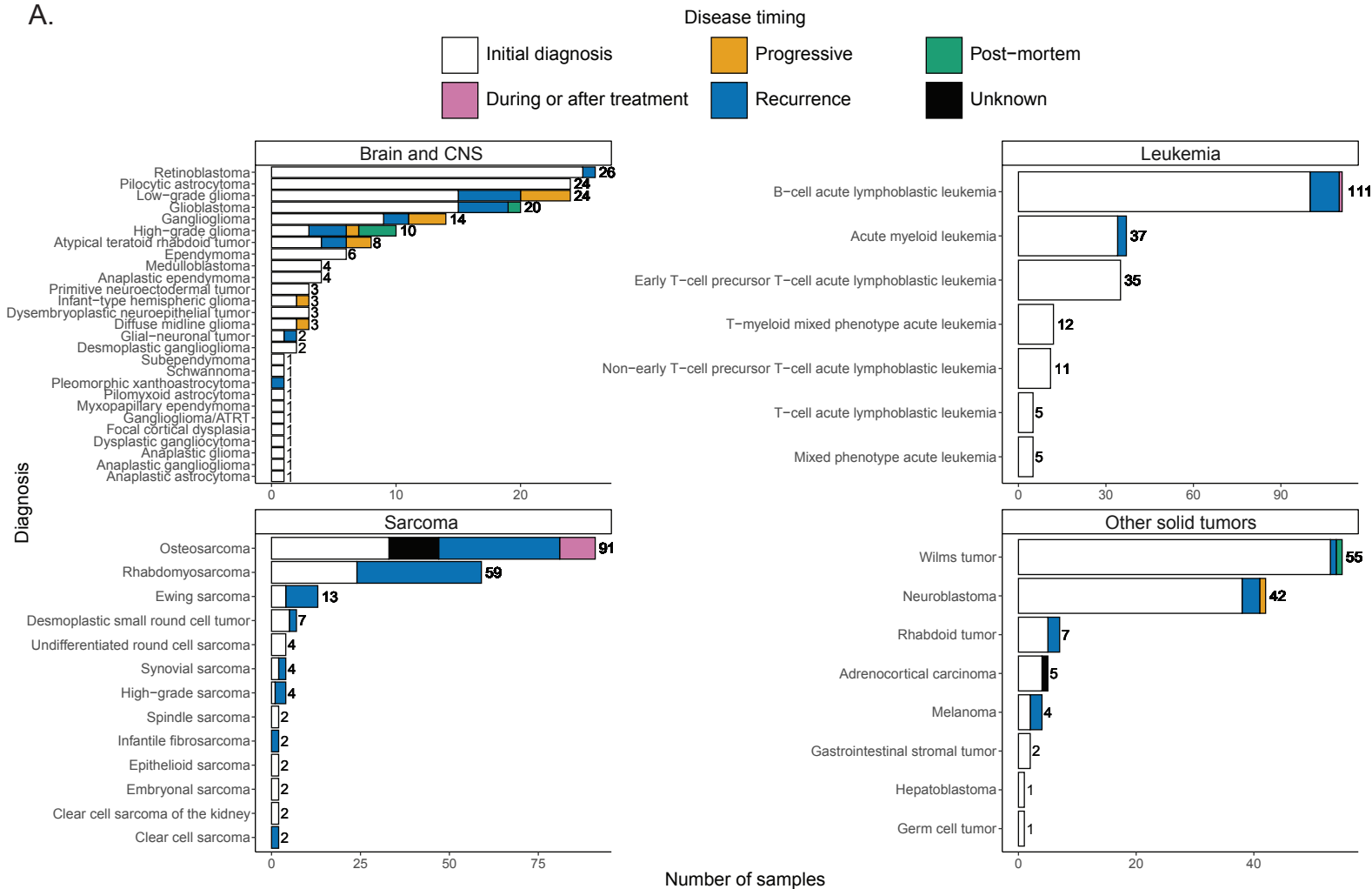
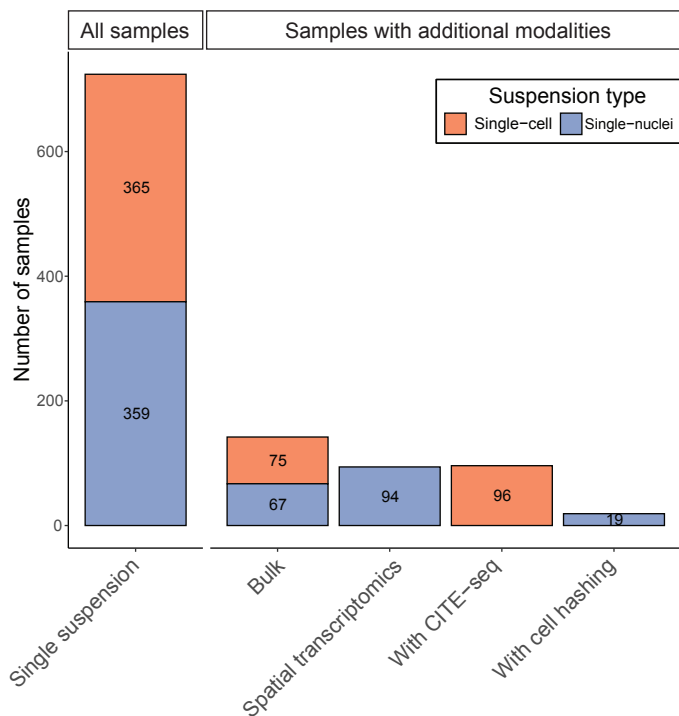


A.



B.



C.

**Single-cell gene expression and cytosine modification profiling in pediatric central nervous system tumors**

[Download Project](#)

Includes Bulk RNA-seq

38 Downloadable Samples   Nucleus   10Xv3.1   Bulk RNA-seq, Multiplexed

34 samples are multiplexed. [Learn more](#)

**Diagnosis**

Anaplastic ependymoma (4), Anaplastic ganglioglioma (1), Desmoplastic ganglioglioma (2), ...

**Abstract**

Single cell gene expression profiling of pediatric central nervous system (CNS) tumors holds great potential to further our understanding of carcinogenesis, augment prognostic indicators, and identify rational therapeutic targets. Whereas the genomic characteristics of these tumors are fairly well-defined in aggregate, the extent to which cellular heterogeneity is associated with carcinogenesis and clinical outcomes is largely unknown ...

**Publications**

Lee M. K., N. Azizgolshani, J. Shapiro, L. Nguyen, F. K. IV, et al., 2024 Identifying tumor type and cell-type specific gene expression alterations in pediatric central nervous system tumors. Nat Commun 15:3634. <https://doi.org/10.1038/s41467-024-47712-8>

Lee M. K., N. Azizgolshani, Z.Zhang, L.Perreard, F. K. IV, et al., 2024 Associations in cell type-specific hydroxymethylation and transcriptional alterations of pediatric central nervous system tumors. Nat Commun 15:3635. <https://doi.org/10.1038/s41467-024-47943-9>

**Also deposited under**

SRP392501, GSE211362

**Additional Sample Metadata Fields**

Developed\_recurrence, location\_class, participant\_id, scpca\_project\_id, submitter, submitter\_id, WHO\_grade, Years\_to\_recurrence

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