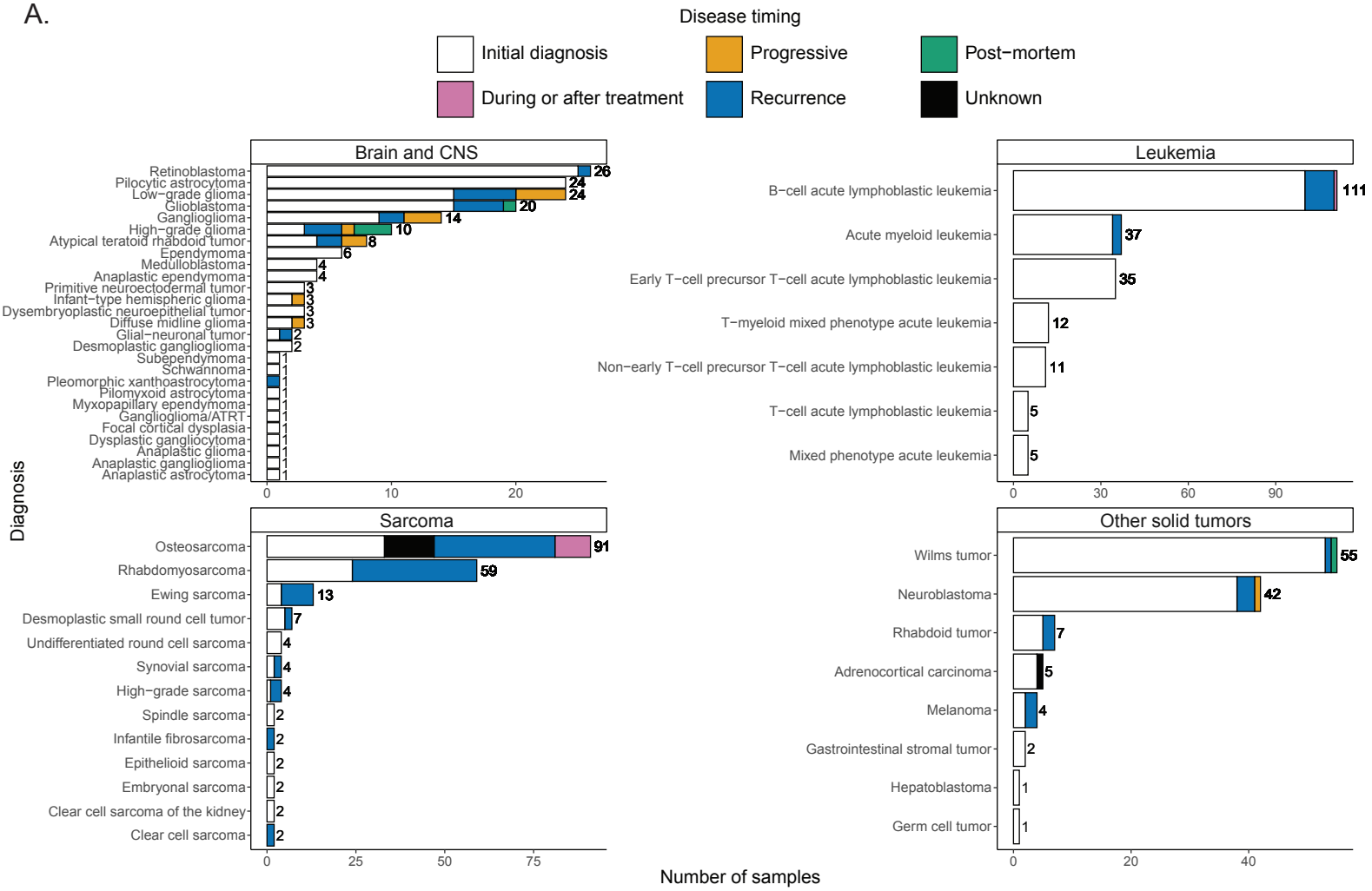
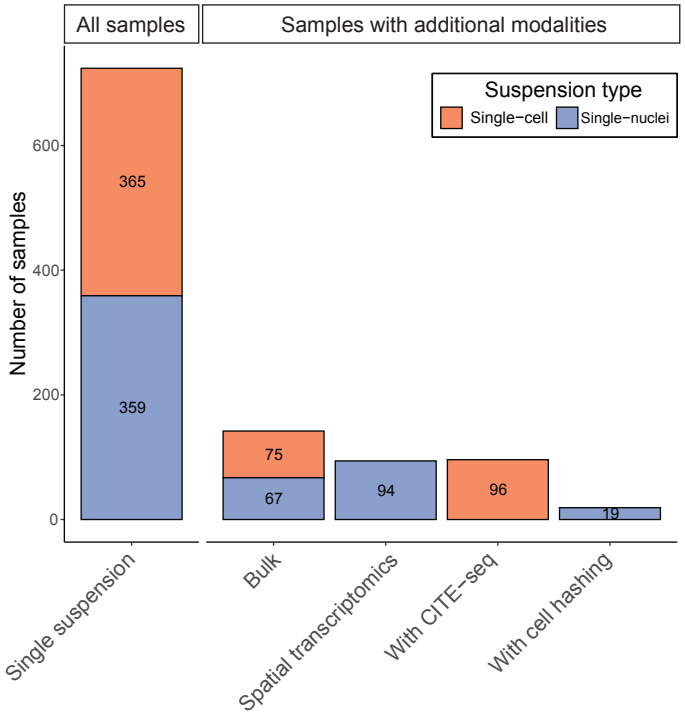
A.



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

View Samples | Download Samples Metadata