

Table S1. The queries that were used for the identification of the raw data used in this study.

Search Engine	Query	Filters	Results
ArrayExpress	brain AND paediatric OR pediatric AND tumor OR glioma	Homo sapiens, RNA assay, Array assay	38 accessions
European Nucleotide Archive	tax_eq(9606) AND instrument_platform="ILLUMINA" AND library_strategy="RNA-Seq" AND (library_strategy!="ATAC-seq" AND library_strategy!="ChIP-Seq" AND library_strategy!="miRNA-Seq" AND library_strategy!="ncRNA-Seq")	Studies (study)	20201 study accessions (20191 unique accessions)
European Nucleotide Archive	tax_eq(9606) AND (study_name="*glioma*" OR study_title="*glioma*" OR study_description="*glioma*" OR study_name="*gliomas*" OR study_title="*gliomas*" OR study_description="*gliomas*" OR study_name="*astrocytoma*" OR study_title="*astrocytoma*" OR study_description="*astrocytoma*" OR study_name="*glioblastoma*" OR study_title="*glioblastoma*" OR study_description="*glioblastoma*" OR study_name="*medulloblastoma*" OR study_title="*medulloblastoma*" OR study_description="*medulloblastoma*" OR study_name="*ependymoma*" OR study_title="*ependymoma*" OR study_description="*ependymoma*" OR study_name="*low-grade*" OR study_title="*low-grade*" OR study_description="*low-grade*" OR study_name="*high-grade*" OR study_title="*high-grade*" OR study_description="*high-grade*" OR study_name="*GBM*" OR study_title="*GBM*" OR study_description="*GBM*" OR study_name="*brain*" OR study_title="*brain*" OR study_description="*brain*" AND (study_name="*pediatric*" OR study_title="*pediatric*" OR study_description="*pediatric*" OR study_name="*paediatric*" OR study_title="*paediatric*" OR study_description="*paediatric*") AND (study_name!="*leukemia*" OR study_title!="*leukemia*" OR study_description!="*leukemia*" OR study_name!="*adult*" OR study_title!="*adult*" OR study_description!="*adult*" OR study_name!="*microRNA*" OR study_title!="*microRNA*" OR study_description!="*microRNA*" OR study_name!="*methylation*" OR study_title!="*methylation*" OR study_description!="*methylation*" OR study_name!="*cell line*" OR study_title!="*cell line*" OR study_description!="*cell line*" OR study_name!="*lymphoma*" OR study_title!="*lymphoma*" OR study_description!="*lymphoma*" OR study_name!="*carcinoma*" OR study_title!="*carcinoma*" OR study_description!="*carcinoma*" OR study_name!="*culture*" OR study_title!="*culture*" OR study_description!="*culture*" OR study_name!="*cancers*" OR study_title!="*cancers*" OR study_description!="*cancers*" OR study_name!="*leukaemia*" OR study_title!="*leukaemia*" OR study_description!="*leukaemia*"))	Studies used for raw reads (read_study)	2597 study accessions
		668 overlapping accessions across read_study and study domains	