

**Table S1: Data collection and processing procedures for public gene expression datasets in BTECH.**

<b>Track Description</b>	<b>Data Resource</b>	<b>Title</b>	<b>Platforms</b>	<b>PubMed ID</b>	<b>Analysis Procedures</b>
Radial glia cells in ependymoma	Publication in 2006	Radial glia cells are candidate stem cells of ependymoma	HG-U133Av2	16226707	Extract from publication
Glial brain tumors_GSE2223	GSE2223	Gene expression profiling in human glial brain tumors	DNA/cDNA microarray	16204036 & 16365179	Load onto GeneSpring GX software, normalize with per chip and per gene
Glioma cells (Hs683) exposed to Cadoxin_GSE1682	GSE1682	Global gene expression analysis of human glioma (Hs 683) cell lines exposed to cadoxin	HG-U133A	16309724	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene
U87 glioblastoma cells_GSE1923	GSE1923	Identification of PDGF-dependent patterns of gene expression in U87 glioblastoma cells	HG_U95Av2	15994924	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene
Pseudopalisading cells in glioblastoma_GSE2485	GSE2485	Gene expression of pseudopalisading cells in human glioblastoma	HG-U133A	16254489	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene.
Gliomas_GSE2817	GSE2817	Wavelet modelling of microarray data provides chromosomal pattern of expression which predicts survival in gliomas	HG-U133plus2	17140431	Per chip normalize to 50th percentile and per gene normalize to median
Gliomas_GSE4290	GSE4290	Expression data of glioma samples from Henry Ford Hospital	HG-U133plus2	16616334	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene
Diffuse Infiltrating Gliomas_GSE4412	GSE4412	Gene expression profiling of gliomas strongly predicts survival	HG-U133set	15374961	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene

Gliomas cell lines and derived stem cells_GSE4536	GSE4536	Tumor stem cells more closely mirror the phenotype and genotype of primary human tumors than do cancer cell lines	HG-U133plus2	16697959	Load onto GeneSpring GX software, log2 transform, normalize with per chip and per gene
Meningiomas_GSE4780	GSE4780	Expression profiling by array	HG-U133A and HG-U133plus2	NA	Load onto GeneSpring GX software, log2 transform, and normalize with per chip and per gene
Glioblastomas Biopsy_GSE5107	GSE5107	Distinct Transcription Profiles of Primary and Secondary Glioblastomas	HG-U133A	16966431	Load onto GeneSpring GX software, log2 transform, and normalize with per chip and per gene
Pediatric Ependymoma_GSE16155	GSE16155	Expression data from ependymoma surgical samples	HG-U133plus2	19917695	Per chip normalize to 50th percentile and per sample normalize to median
Pediatric Ependymoma_GSE13267	GSE13267	Ependymoma gene expression analysis	HG-U133Av2	NA	Log2 transform, per chip normalize to 50th percentile, per gene normalize to median
GNFAtlas2	UCSC, released in 2004	A gene atlas of the mouse and human protein-encoding transcriptomes	HG-U133A	15075390	Download from site
CGAP_SAGE_Brain	<a href="http://cgap.nci.nih.gov/">http://cgap.nci.nih.gov/</a> , released in 2001	Genome and genetic resources from the Cancer Genome Anatomy Project	SAGE libraries	11257097	Download from site
GBM_The Cancer Genome Atlas_Gene Expression	<a href="http://www.cancergenome.nih.gov/">http://www.cancergenome.nih.gov/</a> , released in Sept 2010	The Cancer Genome Atlas	HG-U133A	Available from TCGA	Download from site