

**Table S1.** Search string.

Database	Search strategy
PubMed	( microRNA*[TIAB] OR miRNA*[TIAB] OR mir[TIAB] OR micro-RNA[TIAB] OR "Micro RNA"[TIAB] OR stRNA[TIAB] OR "Temporal RNA"[TIAB] OR Pre-miRNA[TIAB] OR Pri-miRNA[TIAB] OR "MicroRNAs"[Mesh] ) AND ( "primary central nervous system lymphoma"[TIAB] OR "CNS DLBCL"[TIAB] OR PCNSL[TIAB] OR "central nervous system lymphoma"[TIAB] OR "primary CNS lymphoma"[TIAB] OR Glioblastoma*[TIAB] OR GBM[TIAB] OR Astrocytoma*[TIAB] OR "Glioblastoma"[Mesh] OR oligoastrocytoma*[TIAB] OR oligodendroglioma*[TIAB] ) AND ( "Diagnosis"[Mesh] OR "Biomarkers, Tumor"[Mesh] OR "Biomarkers"[Mesh] OR "diagnosis" [Subheading] OR diagnos* OR Identif* OR Prognos* OR marker* OR biomarker* )
Scopus	TITLE-ABS-KEY ( microrna* OR mirna* OR mir OR micro-rna OR "Micro RNA" OR strna OR "Temporal RNA" OR pre-mirna OR pri-mirna OR microrna ) AND TITLE-ABS-KEY ( "primary central nervous system lymphoma" OR "CNS DLBCL" OR pcnsl OR "central nervous system lymphoma" OR "primary CNS lymphoma" OR glioblastoma* OR gbm OR astrocytoma* OR oligoastrocytoma* OR oligodendroglioma* ) AND ALL ( diagnos* OR identif* OR prognos* OR marker* OR biomarker* )
Web of Science	((TS= (((((((microRNA*) OR (miRNA*)) OR (mir)) OR (micro-RNA)) OR ("Micro RNA")) OR (sirna)) OR ("Temporal RNA")) OR (pre-miRNA)) OR (pri-miRNA)) OR (microRNA))) AND (TS= (((((((("primary central nervous system lymphoma") OR ("CNS DLBCL")) OR (PCNSL)) OR ("central nervous system lymphoma")) OR ("primary CNS lymphoma")) OR (glioblastoma*)) OR (GBM)) OR (astrocytoma*)) OR (oligoastrocytoma*)) OR (oligodendroglioma*)))) AND (ALL= (((((diagnos*) OR (identif*)) OR (prognos*)) OR (marker*)) OR (biomarker*))))
Embase	(microrna*:ti,ab,kw OR 'mirna':ti,ab,kw OR 'mir':ti,ab,kw OR 'micro-rna':ti,ab,kw OR 'micro rna':ti,ab,kw OR 'strna':ti,ab,kw OR 'temporal rna':ti,ab,kw OR 'pre-mirna':ti,ab,kw OR 'pri-mirna':ti,ab,kw OR 'microrna':ti,ab,kw) AND ('primary central nervous system lymphoma':ti,ab,kw OR 'cns dlbcl':ti,ab,kw OR 'pcnsl':ti,ab,kw OR 'central nervous system lymphoma':ti,ab,kw OR 'primary cns lymphoma':ti,ab,kw OR 'glioblastoma':ti,ab,kw OR 'gbm':ti,ab,kw OR 'astrocytoma':ti,ab,kw OR 'oligoastrocytoma*':ti,ab,kw OR 'oligodendroglioma*':ti,ab,kw) AND (diagnos* OR identif* OR prognos* OR marker* OR biomarker*)