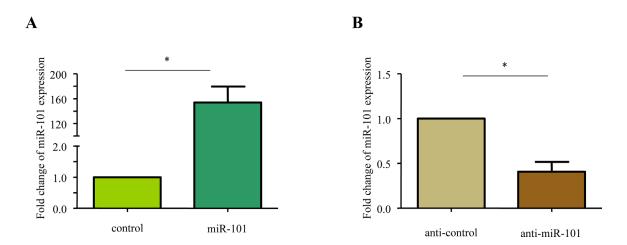
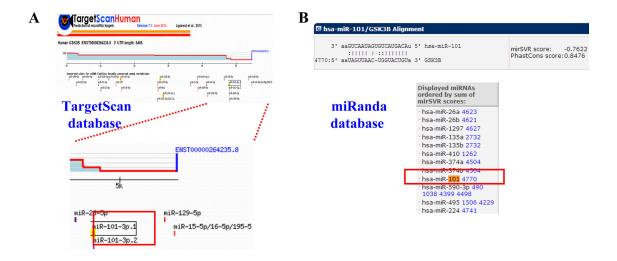
MicroRNA-101 reverses temozolomide resistance by inhibition of GSK3 β in glioblastoma

SUPPLEMENTARY FIGURES



Supplementary Figure S1: The relative expression of miR-101 in A172 cells either over-expression of miRNA-101 A. or downregulation by anti-miR-101 **B.**

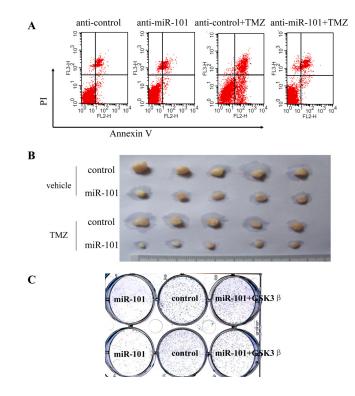


С

DIANA-microT database

	Ensembl	Gene Id	miRNA name	miTG score	Also Predicted	
1	ENSG0000 (GSk		hsa-miR-26a-5p	1.000		~
2	ENSG0000 (GSK		hsa-miR-26b-5p	1.000		~
3	ENSG0000 (GSK		hsa-miR-101-3p	1.000		^
iene de iRNA d						
niRNA d ubMed ICSC gr	letails ⁽¹⁾ links: <u>miRNA</u> aphic [©]	gene both	Transcript position	n Score	Conservation	
niRNA d ubMed ICSC gr	letails ⁽¹⁾ links: <u>miRNA</u>	<u>gene</u> <u>both</u> Binding Type 6mer	Transcript positior 4452-4473	Score 0.00301399721284455	Conservation 6	~
niRNA d ubMed ICSC gr	letails ⁽¹⁾ links: <u>miRNA</u> aphic [©] Region	Binding Type				* *
niRNA d ubMed ICSC gr	etails 0 links: <u>miRNA</u> aphic 0 Region UTR3	Binding Type 6mer	4452-4473	0.00301399721284455	6	
niRNA d ubMed ICSC gr	etails links: miRNA aphic Region UTR3 UTR3	Binding Type 6mer 6mer	4452-4473 1916-1935	0.00301399721284455 0.00156391504051811	6 3	~

Supplementary Figure S2: In silico analysis used by the publicly available databases TargetScan A. miRanda B. and DIANA-microT C. showed that $GSK3\beta$ was the potential target gene of miR-101.



Supplementary Figure S3: A. The percentage of cell death of A172 cells transfected with anti-miR-101 or control in the presence or absence of TMZ. **B.** Tumor xenografts generated in mice four weeks after inoculation. **C.** The colony formation assay of A172-TR cells transduced with miR-101 and GSK3 β upon the treatment of TMZ (200 μ M).