Supplementary Information

m^6A RNA Methylation is increased in tumour invasive regions and influences invasive Capability and Chemotherapeutic Sensitivity in Adult Glioblastoma

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Cell line	Tumour type	Molecular subtype	*IDH* Mutation
LGG38	Low grade glioma	Astrocytoma II	R132H mutant
LGG41	Low grade glioma	Astrocytoma II	R132H mutant
GCE28	Glioblastoma (core)	Astrocytoma IV	Wild type
GCE40	Glioblastoma (core)	Astrocytoma IV	Wild type
GIN5	Glioblastoma (invasive)	Astrocytoma IV	Wild type
GIN8	Glioblastoma (invasive)	Astrocytoma IV	Wild type
GIN28	Glioblastoma (invasive)	Astrocytoma IV	Wild type
GIN40	Glioblastoma (invasive)	Astrocytoma IV	Wild type

Supplementary Table S1. Characteristics of GBH tissue from which the primary cell culture were derived. Cell line name**,** tumour type, molecular subtype and IDH mutation profile. Abbreviations: *IDH*, isocitrate dehydrogenase gene.

Gene	Forward	Reverse
GAPDH	ATGTTCGTCATGGGTGTGAA	GTCTTCTGGGTGGCAGTGAT
METTL3	AGGGCTGGGAGACTAGGATG	TGGAGACAATGCTGCCTCTG
WTAP	ACAGACTTCAAAGTTATGGCAAGAG	CTGTGTACTTGCCCTCCAAAG
FTO	TCTTTGAAATCCTTTGAGCCTGC	ATGGGTTGACACCACCAGTC
SOX2	AGCATGGAGAAAACCCGGTA	TTTTGCGTGAGTGTGGATGG
NESTIN	GCAGGTTGGTTCACAGAAGG	TGTAGGCCCTGTTTCTCCTG
FOXM1	ATAGTGGGCCAGGCTTTCTT	GTTCTGAGCTCTGGGTTCCT

Supplementary Table S2. Nucleotide sequences of qPCR primers used. Sequences of forward and reverse primers used to assess RNA expression of *GAPDH*, *METTL3*, *WTAP*, *FTO*, *SOX2*, *NESTIN* (NES), and *FOXM1* by RT-qPCR.

Antibody	Manufacturer	Cat. no	Dilution (IF)	Dilution (IHC)
Anti-METTL3	Proteintech	15073-AP	1:300	1:800
Anti-WTAP	Atlas Antibodies	HPA010550	1:100	1:100
Anti-FTO	Abcam	Ab124892	1:300	1:50
Anti-m^{6}A	Abcam	Ab190886	1:300	1:300

Supplementary Table S3. Primary antibodies used for IF and IHC. Manufacturer, catalogue numbers and dilution of the primary antibodies are detailed. Abbreviations: Cat. no, catalogue number; IF, Immunofluorescence; IHC, immunohistochemistry.