

ALDH5A1/miR-210 axis plays a key role in reprogramming cellular metabolism and has a significant correlation with glioblastoma patient survival

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APPENDIX I

List of qPCR primers

Gene name	Forward Primer (5'-3')	Reverse Primer (5'-3')
ALDH5A1	GGCACCAGTTATCAAGTTCG	TTCGTTGACGCCAACCATG
SLC2A1	CTTCACTGTCGTGTCGCTG	GGCCACGATGCTCAGATAG
SLC2A3	GTGGAGAAACTTGCTGCTGAG	CTGGGGTGACCTTCTGTGTCC
LDHA	GGATGAGCTTGCCCTTGTTGA	GACCAGCTTGGAGTTCGCAGTTA
PDK1	CATGTCACGCTGGGTAATGAGG	CTCAACACGAGGTCTTGGTGCA
ACTB	TTCCTTCCTGGGCATGG	CAGGAGGAGCAATGATCTTGA
GAPDH	GTCCATGCCATCACTGCCAC	AGACGGCAGGTCAGGTCCAC

MiRNA detection primers (5'-3')

Universal reverse	GTGCAGGGTCCGAGGT
RNU6B stem loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGA CAAAATATGGAAC
MiR-210 stem loop	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGA CTCAGCC
RNU6B Fwd	GCCCCTGCGCAAGGATGAC
MiR-210 Fwd	ATGCCTGTGCGTGTGAC

APPENDIX II

Cloning primers

Name	Forward primer (5'-3')	Reverse primer (5'-3')
ALDH5A1 CDS	TATAAGCTTACCATGGCGACCTG CATTGCTG	AATACTCGAGCTACAAGCCCCCGT AACACAC
ALDH5A1 3' UTR	AATACTAGTACTTTCACACAGT CAAC	TAAGAGCTCTGCTTCGTCTCCACC TAC

APPENDIX III

SDM primers (5'-3')

ALDH5A1 3' UTR MUT Fwd	CATCATTCAAATAACCGTCAAAAAACAAAAGCC
ALDH5A1 3' UTR MUT Rev	GGCTTTTGTTTTTTGACGGTTATTTGAATGATG