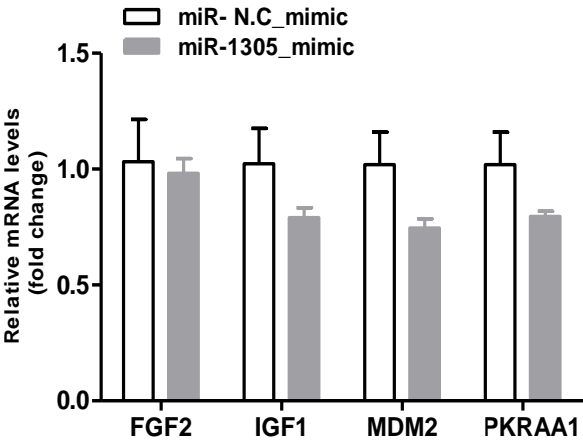


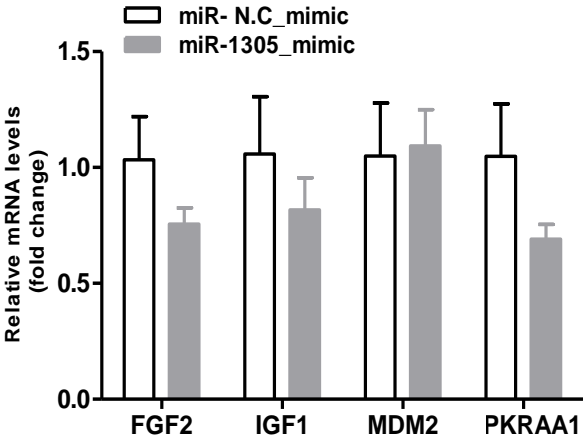
Supplementary figure 1

| Entrez ID | Target gene | Description |
|------------------|--------------------|---|
| 2247 | FGF2 | Fibroblast growth factor 2 |
| 3479 | IGF1 | Insulin like growth factor 1 |
| 4193 | MDM2 | MDM2 proto-oncogene |
| 5562 | PRKAA1 | Protein kinase AMP-activated catalytic subunit alpha 1 |
| 160418 | TMTC3 | Transmembrane and tetratricopeptide repeat containing 3 |
| 90007 | MIDN | Midnolin |
| 2005 | ELK4 | ELK4, ETS transcription factor |
| 3400 | ID4 | Inhibitor of DNA binding 4, HLH protein |
| 23554 | TSPAN12 | Tetraspanin 12 |
| 51014 | TMED7 | Transmembrane p24 trafficking protein 7 |
| 84255 | SLC37A3 | Solute carrier family 37 member 3 |
| 182 | JAG1 | Jagged 1 |
| 7750 | ZMYM2 | Zinc finger MYM-type containing 2 |
| 3157 | HMGCS1 | 3-hydroxy-3-methylglutaryl-CoA synthase 1 |
| 5775 | PTPN4 | Protein tyrosine phosphatase, non-receptor type 4 |
| 23401 | FRAT2 | FRAT2, WNT signaling pathway regulator |
| 149628 | PYHIN1 | Pyrin and HIN domain family member 1 |
| 84437 | MSANTD4 | Myb/SANT DNA binding domain containing 4 with coiled-coils |
| 440026 | TMEM41B | Transmembrane protein 41B |
| 10140 | TOB1 | Transducer of ERBB2, 1 |
| 64376 | IKZF5 | IKAROS family zinc finger 5 |
| 55917 | CTTNBP2NL | CTTNBP2 N-terminal like |
| 463 | ZFHX3 | Zinc finger homeobox 3 |
| 130507 | UBR3 | Ubiquitin protein ligase E3 component n-recognin 3 |
| 154043 | CNKSR3 | CNKSR family member 3 |
| 116064 | LRRC58 | Leucine rich repeat containing 58 |
| 29982 | NRBF2 | Nuclear receptor binding factor 2 |
| 10095 | ARPC1B | Actin related protein 2/3 complex subunit 1B |
| 7543 | ZFX | Zinc finger protein X-linked |
| 30011 | SH3KBP1 | SH3 domain containing kinase binding protein 1 |
| 83857 | TMTC1 | Transmembrane and tetratricopeptide repeat containing 1 |
| 84553 | FAXC | Failed axon connections homolog |
| 54964 | C1orf56 | Chromosome 1 open reading frame 56 |
| 9060 | PAPSS2 | 3'-phosphoadenosine 5'-phosphosulfate synthase 2 |
| 1747 | DLX3 | Distal-less homeobox 3 |
| 80816 | ASXL3 | ASXL transcriptional regulator 3 |
| 90624 | LYRM7 | LYR motif containing 7 |
| 56902 | PNO1 | Partner of NOB1 homolog |
| 116 | ADCYAP1 | Adenylate cyclase activating polypeptide 1 |
| 27345 | KCNMB4 | Potassium calcium-activated channel subfamily M regulatory beta subunit 4 |
| 54891 | INO80D | INO80 complex subunit D |
| 80312 | TET1 | Tet methylcytosine dioxygenase 1 |
| 7678 | ZNF124 | Zinc finger protein 124 |
| 11145 | PLA2G16 | Phospholipase A2 group XVI |
| 7782 | SLC30A4 | Solute carrier family 30 member 4 |
| 29957 | SLC25A24 | Solute carrier family 25 member 24 |
| 8975 | USP13 | Ubiquitin specific peptidase 13 |
| 55161 | TMEM33 | Transmembrane protein 33 |
| 64121 | RRAGC | Ras related GTP binding C |
| 1946 | EFNA5 | Ephrin A5 |
| 160851 | DGKH | Diacylglycerol kinase eta |
| 79589 | RNF128 | Ring finger protein 128, E3 ubiquitin protein ligase |
| 54715 | RBFOX1 | RNA binding fox-1 homolog 1 |
| 85463 | ZC3H12C | Zinc finger CCCH-type containing 12C |
| 7328 | UBE2H | Ubiquitin conjugating enzyme E2 H |
| 7071 | KLF10 | Kruppel like factor 10 |
| 54800 | KLHL24 | Kelch like family member 24 |
| 79628 | SH3TC2 | SH3 domain and tetratricopeptide repeats 2 |
| 10345 | TRDN | Triadin |
| 10787 | NCKAP1 | NCK associated protein 1 |
| 90321 | ZNF766 | Zinc finger protein 766 |
| 81579 | PLA2G12A | Phospholipase A2 group X1IA |
| 5504 | PPP1R2 | Protein phosphatase 1 regulatory inhibitor subunit 2 |
| 2033 | EP300 | E1A binding protein p300 |

24 hours after miR-1305 transfection



72 hours after miR-1305 transfection



Cellular expression of FGF2, IGF1, MDM2 and PKRAA1 was changed in miR-1305 transfected RPMI8226.