

Target gene	Representative transcript	Gene name	Representative miRNA
CD44	ENST00000278386.6	CD44 molecule (Indian blood group)	hsa-miR-431-5p
DSCR4	ENST00000398948.1	Down syndrome critical region gene 4	hsa-miR-431-5p
EGFR	ENST00000275493.2	epidermal growth factor receptor	hsa-miR-431-5p
CD274	ENST00000381573.4	CD274 molecule	hsa-miR-431-5p
RPS15A	ENST00000576436.1	ribosomal protein S15a	hsa-miR-431-5p
CD34	ENST00000356522.4	CD34 molecule	hsa-miR-431-5p
ZEB1	ENST00000361642.5	zinc finger E-box binding homeobox 1	hsa-miR-431-5p
SMAD4	ENST00000398417.2	SMAD family member 4	hsa-miR-431-5p
HHIP	ENST00000296575.3	hedgehog interacting protein	hsa-miR-431-5p
SRPX2	ENST00000373004.3	sushi-repeat containing protein, X-linked 2	hsa-miR-431-5p

NCL	ENST00000322723. 4	nucleolin	hsa-miR-431-5 p
NOX5	ENST00000260364. 5	NADPH oxidase, EF-hand calcium binding domain 5	hsa-miR-431-5 p
EIF4E	ENST00000450253. 2	eukaryotic translation initiation factor 4E	hsa-miR-431-5 p
TGFA	ENST00000295400. 6	transforming growth factor, alpha	hsa-miR-431-5 p
CDK6	ENST00000265734. 4	cyclin-dependent kinase 6	hsa-miR-431-5 p
CD47	ENST00000361309. 5	CD47 molecule	hsa-miR-431-5 p
IL8	ENST00000307407. 3	interleukin 8	hsa-miR-431-5 p
RAF1	ENST00000251849. 4	v-raf-1 murine leukemia viral oncogene homolog 1	hsa-miR-431-5 p
FAM65B	ENST00000259698. 4	family with sequence similarity 65, member B	hsa-miR-431-5 p

Supplementary table S1

The potential target genes associated with angiogenesis for miR-431-5p