

**Differential expression analysis based on ensemble strategy  
on miRNA profiles of Kidney Clear Cell Carcinoma**

ID	Gene Name	GOTERM_BP_DIRECT
ENSG00000199024	microRNA 103a-2(MIR103A2)	GO:0035195~gene silencing by miRNA
ENSG00000208017	microRNA 140(MIR140)	GO:0010628~positive regulation of gene expression GO:0010629~negative regulation of gene expression GO:0030513~positive regulation of BMP signaling pathway GO:0032088~negative regulation of NF-kappaB transcription factor activity GO:0032715~negative regulation of interleukin-6 production GO:0032720~negative regulation of tumor necrosis factor production GO:0034144~negative regulation of toll-like receptor 4 signaling pathway GO:0035195~gene silencing by miRNA GO:0042742~defense response to bacterium GO:0071222~cellular response to lipopolysaccharide GO:0071456~cellular response to hypoxia GO:1900016~negative regulation of cytokine production involved in inflammatory response GO:1904046~negative regulation of vascular endothelial growth factor production GO:1904646~cellular response to beta-amyloid GO:1904706~negative regulation of vascular smooth muscle cell proliferation GO:1904753~negative regulation of vascular associated smooth muscle cell migration GO:1905461~positive regulation of vascular associated smooth muscle cell apoptotic process GO:1905932~positive regulation of vascular smooth muscle cell differentiation involved in phenotypic switching
ENSG00000199038	microRNA 210(MIR210)	GO:0010977~negative regulation of neuron projection development GO:0030335~positive regulation of cell migration GO:0035148~tube formation GO:0035195~gene silencing by miRNA GO:0035278~miRNA mediated inhibition of translation GO:0043536~positive regulation of blood vessel endothelial cell migration GO:0045669~positive regulation of osteoblast differentiation GO:0045766~positive regulation of angiogenesis GO:0097411~hypoxia-inducible factor-1alpha signaling pathway GO:1900037~regulation of cellular response to hypoxia GO:1902957~negative regulation of mitochondrial electron transport NADH to ubiquinone GO:1904025~positive regulation of glucose catabolic process to lactate via pyruvate GO:1904233~negative regulation of aconitate hydratase activity GO:1904440~positive regulation of ferrous iron import across plasma membrane GO:1905460~negative regulation of vascular associated smooth muscle cell apoptotic process GO:2001234~negative regulation of apoptotic signaling pathway GO:2001235~positive regulation of apoptotic signaling pathway
ENSG00000199094	microRNA 30c-2(MIR30C2)	GO:0008285~negative regulation of cell proliferation GO:0010629~negative regulation of gene expression GO:0030336~negative regulation of cell migration GO:0032088~negative regulation of NF-kappaB transcription factor activity GO:0035195~gene silencing by miRNA GO:0050728~negative regulation of inflammatory response GO:0071356~cellular response to tumor necrosis factor GO:1901223~negative regulation of NIK/NF-kappaB signaling GO:2000134~negative regulation of G1/S transition of mitotic cell cycle
ENSG00000207652	microRNA 621(MIR621)	GO:0035195~gene silencing by miRNA