

## mRNAs expressed in MSC-EVs

Source of EVs	mRNA	Function
Human bone marrow-derived MSCs	IGF-1R	Enhance cell proliferation
Human bone marrow-derived MSCs	RAX2, OR11H12, OR2M3, DDN, GRIN3A, NIN, BMP15, IBSP, MAGED2, EPX, HK3, COL4A2, CEACAM5, SCNN1G, PKD2L2,	Involved in cell differentiation
Human bone marrow-derived MSCs	CLOCK, IRF6, RAX2, TCFP2, BCL6B	Involved in transcription
Human bone marrow-derived MSCs	HMGN4, TOPORS, ESF1, ELP4, POLR2E, HNRPH2	DNA/RNA binding
Human bone marrow-derived MSCs	SENP2, RBL1, CDC14B, S100A13	Cell cycle
Human bone marrow-derived MSCs	CEACAM5, CLEC2A, CXCR7	Receptors
Human bone marrow-derived MSCs	ADAM15, FUT3, ADM2, LTA4H, BDH2, RAB5A	Involved in metabolism
Human bone marrow-derived MSCs	CRLF1, IL1RN, MT1X	Immune regulation
Human bone marrow-derived MSCs	DDN, MSN, CTNNA1	Cytoskeleton
Human bone marrow-derived MSCs	COL4A2, IBSP	Extracellular matrix
Porcine adipose tissue-derived MSCs	FOXP3, JMJD1C, KDM6B	Encode transcription factors involved in chromosome organization
Porcine adipose tissue-derived MSCs	MDM4, IFT57, PEG3, PDCD4	Encode transcription factors involved in apoptosis
Porcine adipose tissue-derived MSCs	HGF, HES1, TCF4	Encode transcription factors involved in proangiogenic pathways
Porcine adipose tissue-derived MSCs	ZBTB1, ZNF217, ZNF238, ZNF461, ZNF568, ZNF667, ZHX1	Encode zinc-finger transcription factors
Porcine adipose tissue-derived MSCs	TMF1, BAZ2B, JMJD1C, MYNN, NFKBIZ, PEG3, KCNH6, RUNX1T1, SUFU	Encode transcription factors involved in alternative splicing



### ANOVA IRM

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