Supplementary Table S10. MiRNA-protein interactions involved in the common pathways between differentially expressed miRNAs from bone marrow-derived extracellular vesicles from mice irradiated with 3Gy and deregulated proteins in bone marrow cells treated with bone marrow-derived extracellular vesicles of mice irradiated with 3Gy. Only those miRNA and protein interactions are presented, where both the miRNA and the protein could be linked to the certain common pathways. MiRNA-protein interactions were searched in Tarbase (validated interactions) and miRDB database (predicted interactions).

miRNA-protein interactions in common pathways			
Interaction partners		**Interaction type**	**Regulated pathway**
Protein	**miRNA**		
Atg4b	mmu-miR-706	validated	Non-small cell lung cancer
Calu	mmu-miR-761	predicted	Focal adhesion Progesterone-mediated oocyte maturation Protein processing in endoplasmic reticulum
H2afv	mmu-miR-706	validated	Cell cycle Transcriptional misregulation in cancer
Krt16	mmu-miR-709	predicted	Chronic myeloid leukemia Colorectal cancer Focal adhesion Glioma Hepatitis B Non-small cell lung cancer Pancreatic cancer Pathways in cancer Prostate cancer Proteoglycans in cancer
Rtf1	mmu-miR-761	predicted	Lysine degradation
Snca	mmu-miR-706	validated	Acute myeloid leukemia Adherens junction Cell cycle Chronic myeloid leukemia Colorectal cancer Focal adhesion Glioma Hepatitis B Non-small cell lung cancer
Tgm2	mmu-miR-761	predicted	Adherens junction Cell cycle Chronic myeloid leukemia Colorectal cancer Focal adhesion Glioma Hepatitis B Non-small cell lung cancer Transcriptional misregulation in cancer

			Pancreatic cancer Pathways in cancer Prostate cancer Proteoglycans in cancer
Ube2c	mmu-miR-669g	validated	Cell cycle Hepatitis B Non-small cell lung cancer Pancreatic cancer Progesterone-mediated oocyte maturation Prostate cancer Protein processing in endoplasmic reticulum
	mmu-miR-669g and mmu-miR-129-5p	validated	Chronic myeloid leukemia
Clic4	mmu-miR-669g	predicted	Cell cycle Chronic myeloid leukemia Hepatitis B Transcriptional misregulation in cancer Prostate cancer Proteoglycans in cancer
Dnajb6	mmu-miR-709	predicted	Cell cycle Colorectal cancer Hepatitis B Non-small cell lung cancer Pancreatic cancer Pathways in cancer Prostate cancer Proteoglycans in cancer
Eif2b1	mmu-miR-1942	predicted	Adherens junction Colorectal cancer