

Supplementary Table 3. Kyoto Encyclopedia of Genes and Genome (KEGG) pathway enrichment analysis of genes differentially expressed in EVs isolated from RJ-treated ADSCs.

Category		Term	Count	%	P-Value	FDR
Upregulated						
KEGG_PATHWAY	hsa05165:Human papillomavirus infection		29	4.044630404	6.79E-05	0.009950705
KEGG_PATHWAY	hsa04151:PI3K-Akt signaling pathway		26	3.626220363	0.002348086	0.096758685
KEGG_PATHWAY	hsa04512:ECM-receptor interaction		18	2.510460251	2.92E-08	8.55E-06
KEGG_PATHWAY	hsa05205:Proteoglycans in cancer		18	2.510460251	0.002277353	0.096758685
KEGG_PATHWAY	hsa04510:Focal adhesion		17	2.370990237	0.004552489	0.148208817
KEGG_PATHWAY	hsa04142:Lysosome		15	2.092050209	5.24E-04	0.038372373
KEGG_PATHWAY	hsa04974:Protein digestion and absorption		14	1.952580195	1.48E-04	0.014430525
KEGG_PATHWAY	hsa04145:Phagosome		14	1.952580195	0.005616129	0.164552587
KEGG_PATHWAY	hsa04217:Necroptosis		13	1.813110181	0.019337689	0.43584177
KEGG_PATHWAY	hsa04141:Protein processing in endoplasmic reticulum		13	1.813110181	0.031867885	0.514186595
KEGG_PATHWAY	hsa04933:AGE-RAGE signaling pathway in diabetic complications		12	1.673640167	0.001518612	0.088990667
KEGG_PATHWAY	hsa04514:Cell adhesion molecules		12	1.673640167	0.028305434	0.514186595
KEGG_PATHWAY	hsa05322:Systemic lupus erythematosus		11	1.534170153	0.03641866	0.533533364
KEGG_PATHWAY	hsa05412:Arrhythmogenic right ventricular cardiomyopathy		10	1.394700139	0.002641875	0.096758685
KEGG_PATHWAY	hsa05410:Hypertrophic cardiomyopathy		10	1.394700139	0.007494116	0.199615992
KEGG_PATHWAY	hsa05146:Amoebiasis		10	1.394700139	0.016320221	0.398485387
KEGG_PATHWAY	hsa05222:Small cell lung cancer		9	1.255230126	0.024775065	0.514186595
KEGG_PATHWAY	hsa05414:Dilated cardiomyopathy		9	1.255230126	0.030983358	0.514186595
KEGG_PATHWAY	hsa04931:Insulin resistance		9	1.255230126	0.055762515	0.742655313
KEGG_PATHWAY	hsa04350:TGF-beta signaling pathway		8	1.115760112	0.069357055	0.846734046
KEGG_PATHWAY	hsa03250:Viral life cycle - HIV-1		7	0.976290098	0.033329389	0.514186595
KEGG_PATHWAY	hsa04115:p53 signaling pathway		7	0.976290098	0.061037839	0.777568992
KEGG_PATHWAY	hsa00514:Other types of O-glycan biosynthesis		6	0.836820084	0.033343158	0.514186595
KEGG_PATHWAY	hsa05144:Malaria		6	0.836820084	0.042004494	0.586062702
KEGG_PATHWAY	hsa04330:Notch signaling pathway		6	0.836820084	0.075451976	0.884297153
Downregulated						
KEGG_PATHWAY	hsa04910:Insulin signaling pathway		2	10	0.065637341	1