

**Supplementary Table 3. KEGG pathways and enriched genes for osteosarcoma cells.**

ID	Description	Gene symbol
hsa04512	ECM-receptor interaction	COL1A1/COL1A2/COMP/FN1/ITGA4/ITGA5/THBS1
hsa04933	AGE-RAGE signaling pathway in diabetic complications	COL1A1/COL1A2/AGTR1/FN1/SMAD3/NOX4/SERPINE1
hsa00512	Mucin type O-glycan biosynthesis	GALNT5/GALNT1/GALNT10/C1GALT1
hsa04510	Focal adhesion	COL1A1/COL1A2/COMP/FN1/ITGA4/ITGA5/PAK1/PARVA/RAC2/THBS1
hsa00100	Steroid biosynthesis	DHCR7/NSDHL/MSMO1
hsa05206	MicroRNAs in cancer	BCL2L11/E2F2/FOXP1/HMOX1/ITGA5/MIR34A/MARCKS/ZEB1/THBS1/TIMP3/VIM/RPS6KA5
hsa04115	p53 signaling pathway	DDB2/IGFBP3/SERPINE1/THBS1/TP53I3