

Function	Gene	Fold Relation	Function	Gene	Fold Relation	
Ossification	ACVR1	6.8474	Cartilage Condensation	BMPR1B	8.8697	
	BGLAP	10.0949		COL2A1	99.1968	
	BMP2	1508.4894		SOX9	63.509	
	BMP3	80.3869	Osteoclast Differentiation	BGLAP	10.0949	
	BMP4	11.7579		TNF	49.0287	
	BMP6	4.0527		TNFSF11	118.7861	
	BMPR1A	4.476	Osteoblast Differentiation	ACVR1	6.8474	
	BMPR1B	8.8697		BGLAP	10.0949	
	BMPR2	2.1222		BMP2	1508.4894	
	CHRD	101.2812		BMP4	11.7579	
	COL2A1	99.1968		BMP6	4.0527	
	EGFR	2.9599		BMPR1A	4.476	
	FGF2	4.7422		BMPR1B	8.8697	
	FGFR2	4.8643		BMPR2	2.1222	
	GDF10	4.0247		CHRD	101.2812	
	GLI1	20.0967		FGF2	4.7422	
	IGF1R	5.3848		FGFR2	4.8643	
	MMP2	31.3898		GDF10	4.0247	
	MMP8	24.7992		GLI1	20.0967	
	MMP9	131.8014		NOG	3.2465	
	NOG	3.2465		SMAD1	2.7363	
	SMAD1	2.7363		SMAD3	11.2789	
	SMAD3	11.2789		SP7	91.7025	
	SOX9	63.509		SPP1	18.8813	
	SP7	91.7025		TWIST1	5.4474	
	SPP1	18.8813		Other Skeletal Development Genes	ALPL	3.3688
	TGFB1	13.6632			FGFR1	14.8826
	TGFB2	2.1819			TGFBR1	5.8383
	TNFSF11	118.7861				
	TWIST1	5.4474				