

Bone & Joint Research

Supplementary Material

10.1302/2046-3758.126.BJR-2022-0324.R1

Table i. Polymerase chain reaction primer sequences used in this study.

Gene	Primer (forward: 5'-3')	Primer (reverse: 5'-3')
<i>PCBP1-AS1</i>	ACTACTCAGTCAATTGCTCCA	ATTCCTTACTGACCTGCAT
<i>ALP</i>	GACCCTTGACCCCAAT	GCTCGTACTGCATGTCCCCT
<i>RUNX2</i>	TTTGCACTGGGTCATGTGTT	TGGCTGCATTGAAAAGACTG
<i>OCN</i>	TGGCCGCACTTGCATCGCTGG	CGATAGGCCTCCTGAAAGCCGAT
<i>OPN</i>	CATCACCTGTGCCATACCAGTT	TTGGAAGGGTCTGTGGGGCTA
<i>PAK2</i>	GTGGACTGAATCACTAGCCTTAGGT	AGCAAAGTAAAATGCAAATCTCAC
<i>miR-126-5p</i>	GCTGGCGACGGGACATTATTA	CCGTGGACGGCGCATTATTA
<i>miR-378g</i>	AACTCCAGCTGGGGAAGACTGAGGGTTC	CTCAACTGGTGTCTGGAGTCGGCAAT
<i>miR-424-5p</i>	GCCAGCAGCAATTCATG	TATGGTTTTGACGACTGTGTGAT
<i>GAPDH</i>	GAAATCCATCACCATCTTCC	AAATGAGCCCCAGCCTTCTC
<i>U6</i>	GGTCGGCAGGAAAGAGGGC	GCTAATCTTCTGTATCGTTCC

ALP, alkaline phosphatase; miR-126-5p, GAPDH, glyceraldehyde-3-phosphate dehydrogenase; microRNA-126-5p; miR-378g, microRNA-378g; miR-424-5p, microRNA-424-5g; OCN, osteocalcin; OPN, osteopontin; PAK2, P21 (RAC1) activated kinase 2; PCBP1-AS1, PCBP1 Antisense RNA 1; RUNX2, Runt-related transcription factor 2; U6, Universal 6.

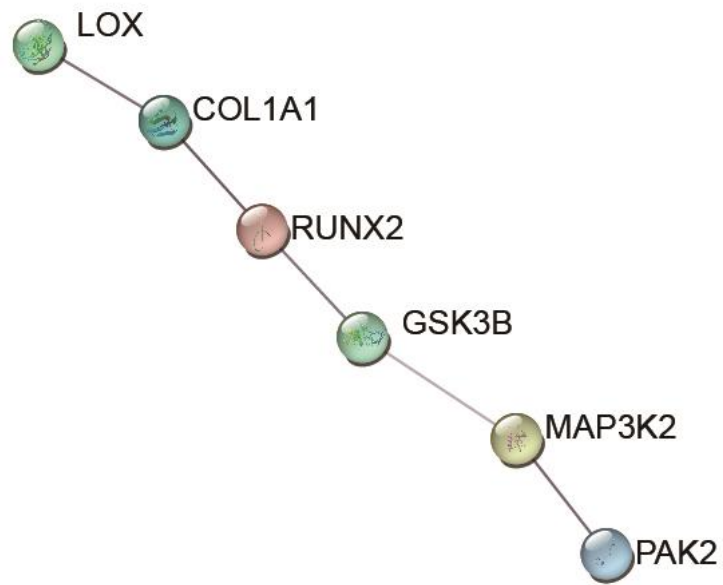


Fig a. The results of protein-protein interactions of 25 genes by STRING. COL1A1, collagen, type I, alpha 1; GSK3B, glycogen synthase kinase 3 beta; LOX, lysyl oxidase; MAP3K2, mitogen-activated protein 3 kinase 2; PAK2, group I Pak family member p21-activated kinase 2; RUNX2, Runt-related transcription factor 2.