

Table SI. Sequences of primers for PCR.			
Gene	Sequence (5'-3')	Product length	GenBank accession no.
ALP	Forward: CTTCAAACCAGAATACAAGCACTC Reverse: CGTTGTTCTGTTTCAGCTCGTAC	137	NM_000478.6
RUNX2	Forward: CTCTACTATG GCACTTCGTCAGG Reverse: TCAGCGTCAACACCATCATTC	158	NM_001278478.2
BGLAP	Forward: GAGGGCAGCGAGGTAGTGAA Reverse: TAGACCGGGCCGTAGAAGC	182	NM_199173.6
SPP1	Forward: GGGAAGGACAGTTATGAAACGAG Reverse: CCTGACTATCAATCACATCGGAAT	133	NM_000582.3
PFKFB3	Forward: GGCAGGAGAATGTGCTGGTCAT Reverse: CATAAGCGACAGGCGTCAGTTTC	141	XM_054366083.1
PFKFB4	Forward: CATCCAGAGTCGCATCGTTTA Reverse: CTTGAGGTTTAGCTCGCTCTC	97	XM_054346837.1
LDHA (1)	Forward: TGGAAGACAAACTCAAGGGCGAGA Reverse: TGACCAGCTTGGAGTTCGCAGTTA	117	/
ENO3	Forward: TGGGAAGGATGCCACCAATGTG Reverse: GCGATAGAACTCAGATGCTGCC	160	NM_001374524.1
β-actin	Forward: CACCATTGGCAATGAGCGGTTC Reverse: AGGTCTTTGCGGATGTCCACGT	135	NM_001101.5

(1) Lee SY and Long F: Notch signaling suppresses glucose metabolism in mesenchymal progenitors to restrict osteoblast differentiation. J Clin Invest 128: 5573-5586, 2018.

Table SII. Antibodies for western blot and immunofluorescence.

A, Primary antibodies			
Target protein	Manufacturer	Catalogue no.	Dilution ratio
Runx2	ZEN-Bio Science	860139	1:1000
OCN	ZEN-Bio Science	614487	1:1000
OPN	Santa Cruz Biotechnology, Inc.	sc-21742	1:500
OSX	Santa Cruz Biotechnology, Inc.	sc-393325	1:500
β -catenin	Abcam	ab16051	1:1000
LEF1	Cell Signaling Technology, Inc.	2230	1:1000
DVL3	Cell Signaling Technology, Inc.	3218	1:1000
PFKFB3	ZEN-Bio Science	382181	1:1000
LDHA	ZEN-Bio Science	R24822	1:1000
GADPH	Santa Cruz Biotechnology, Inc.	sc-32233	1:1000
β -actin	Cell Signaling Technology, Inc.	3700	1:1000
Runx2	Abcam	ab76956	1:250
B, Secondary antibodies			
Target protein	Manufacturer	Catalogue no.	Dilution ratio
Mouse anti-rabbit IgG	Santa Cruz Biotechnology, Inc.	sc-2357	1:5000
m-IgG κ BP-HRP	Santa Cruz Biotechnology, Inc.	sc-516102	1:5000
Goat anti-Mouse IgG (H+L) Cross-Adsorbed Secondary Antibody, Alexa Fluor™ 568	Invitrogen; Thermo Fisher Scientific, Inc.	A11004	1:800