

**Table S1: Information regarding amplicons and primers**

abbreviation	isoform	FWD primer (5'-3')	REV primer (3'-5')	name
<b>Actin <math>\beta</math></b>	1	CTATTGGCAACGAGCGGTTTC	CGGATGTCAACGTCACACTTC	Actin
<b>Ptch1</b>	2	GGGCTACGACTATGTCTCTC	CTTTGATGAACCACTCCAC	Protein patched homolog 1
<b>Gli1</b>	1	CCCTGGTGGCTTTCATCAAC	TGACTCATCTGAGGTGGGAATC	Zinc finger protein GLI1
<b>Gli2</b>	1	CAACTCAGCAGCAGTAGCAG	CTCCGCTTATGAATGGTGATGG	Zinc finger protein GLI2
<b>Gli3</b>	1	GTGGTTCCTATGGGCACTTATC	GTCGGCTTAGGATCTGTTGATG	Zinc finger protein GLI3
<b>Dlk1</b>	4	GGCTGTGTCAATGGAGTCTG	AAGCCCGAACGCTCTATTTTCG	Delta like non-canonical Notch ligand 1 (= Pref1)
<b>Pparg</b>	4	TCCATTACAAGAGCTGACC	GGTGGAGATGCAGGTTCTAC	Peroxisome proliferator-activated receptor $\gamma$
<b>Fabp4</b>	1	GTGTGATGCCTTTGTGGGAAC	CATGCCTGCCATTTCCTTG	Fatty acid-binding protein (= Ap2)
<b>Cfd</b>	3	CCTGAACCCTACAAGCGATG	CAACGAGGCATTCTGGGATAG	Complement factor D (= adipsin)
<b>Dgat2</b>	1	GGCTGATAGCTGTGCTCTAC	GATGGGAAAGTAGTCTCGGAAG	Diacylglycerin-acyltransferase 2
<b>Alpl</b>	5	CTGCAAGGACATCGCATATCAG	CCACATCAGTTCTGTTCTTCGG	Alkaline phosphatase (pan-expressed)
<b>Spp1</b>	5	ACAGAAATGCTGTGCCTCTG	GGTCTCCATCGTCATCATCATC	Secreted phosphoprotein 1 (= Osteopontin)
<b>Bglap</b>	2	CCAAGCAGGAGGGCAATAAG	CTCGTCACAAGCAGGTTAAG	Bone $\gamma$ -carboxy-glutamate protein (Osteocalcin)
<b>Runx2</b>	6	ACACTGCCACCTCTGACTTC	GGGATGAAATGCTTGGGAAGT	Runt related transcription factor 2
<b>Sox9</b>	1	CGGAACAGACTCACATCTCTCC	GACCTTGAGATTGCCAGAG	SRY (sex determining region Y)-bos 9
<b>Col2a1</b>	2	CTGAAGGTGCTCAAGGTTCTC	GATCCTTTGGCTCCAGGAATAC	Collagen type II $\alpha$ I
<b>Col10a1</b>	1	TCTCCAGCACCAGAATCTATC	CCATGAACCAGGGTCAAGAAC	Collagen type X $\alpha$ I
<b>Col1a1</b>	1	TGGTCCACAAGGTTTCCAAG	CATCTCCATTCTTGCCAGGAG	Collagen type I $\alpha$ I
<b>Mmp3</b>	1	ACTTGTCCTGTTTCCATCTC	GGTTCAGAGAGTTAGACTTGG	Matrix metalloproteinase 3
<b>Cdk9</b>	1	CAGCTCTGTGGCTCCATCAC	GTCCTTCACCTTCGCTTCTG	Cyclin-dependent kinase 9 (CDC2-related kinase)
<b>Mki67</b>	1	TGAGGCTGAGACATGGAGAC	GGTTCCTTTCCAAGGGACTTTC	Antigen identified by monoclonal antibody Ki67