

SUPPLEMENTARY TABLES

Supplementary Table 1. Histomorphometric measurements of joint articular cartilage thickness and area.

	Veh	ABT263	p-value	Veh	D+Q	p-value
	Average ± SD			Average ± SD		
Cartilage						
Thickness (µm)	71.87 ± 5.03	71.39 ± 9.00	n.s	78.22 ± 8.55	73.74 ± 15.57	n.s
Area (mm ²)	151.24 ± 27.94	131.04 ± 22.60	n.s	149.09 ± 9.91	124.56 ± 40.08	n.s
Calcified Cartilage						
Thickness (µm)	47.40 ± 5.34	43.21 ± 5.29	n.s	41.98 ± 5.73	49.59 ± 10.29	n.s
Area (mm ²)	62.26 ± 19.60	58.03 ± 7.96	n.s	65.85 ± 10.87	67.22 ± 25.51	n.s
Subchondral bone						
Thickness (µm)	59.95 ± 13.98	51.95 ± 11.97	n.s	64.39 ± 22.74	65.01 ± 26.75	n.s
Area (mm ²)	74.72 ± 18.62	70.47 ± 18.26	n.s	100.14 ± 49.09	88.52 ± 40.05	n.s

*SD, standard deviation.

*n.s, not significant.

Supplementary Table 2. Primer sequences of qRT-PCR.

Gene symbol	Primer sequence (5'-3')
<i>Ngf</i> (mouse)	Forward, ACTGGACTAAACTTCAGCATTCC Reverse, GGGCAGCTATTGGTGCAGTA
<i>Cdkn2a</i> (mouse)	Forward, AATCTCCGCGAGGAAAGC Reverse, GTCTGCAGCGGACTCCAT
<i>IL-1β</i> (mouse)	Forward, GTATGGGCTGGACTGTTTC Reverse, GCTGTCTGCTCATTACG
<i>Atf4</i> (mouse)	Forward, ATGGCGCTCTTCACGAAATC Reverse, ACTGGTCGAAGGGGTCATCAA
<i>Vegf</i> (mouse)	Forward, CTGCCGTCCGATTGAGACC Reverse, CCCCTCCTTGTACCACTGTC
<i>IL-6</i> (mouse)	Forward, GCTACCAAACCTGGATATAATCAGG Reverse, CCAGGTAGCTATGGTACTCCAGAA
<i>β-actin</i> (mouse)	Forward, CAACCGTGAAAAGATGACCC Reverse, GTAGATGGGCACAGTGTGGG
<i>NGF</i> (human)	Forward, GGCAGACCCGCAACATTACT Reverse, CACCACCGACCTCGAAGTC
<i>CDKN2A</i> (human)	Forward, CCAACGCACCGAATAGTTACG Reverse, GCGCTGCCCATCATCATG
<i>CDKN1A</i> (human)	Forward, TGTCCGTCAGAACCCATGC Reverse, AAAGTCGAAGTTCATCGCTC
<i>ATF4</i> (human)	Forward, CCCTTCACCTTCTTACAACCTC Reverse, TGCCCAGCTCTAAACTAAAGGA
<i>VEGF</i> (human)	Forward, ATGACCGAAATGAGCTTCCTG Reverse, GCTGGAGAACCCATGAGGT
<i>IL-6</i> (human)	Forward, CCCCTGACCCAACCACAAAT Reverse, ATTTGCCGAAGAGCCCTCAG
<i>β-ACTIN</i> (human)	Forward, GTCCTCCTGAG Reverse, GTAGATGGGCACAGTGTGGG