

Table S1. Sequences of Primers used for qPCR.

Gene		Primers (5' to 3')
Aggrecan	Forward	TGCGGGTCAACAGTGCCTATC
	Reverse	CACGATGCCTTTCACACGAC
CLC	Forward	CCATGGACCTCCGAGCAG
	Reverse	GTCCCCTGTGCGATTGAGAG
CRLF1	Forward	ATGAAGGACTTGACCTGCCG
	Reverse	TGTGTTGTCCTGGCCATACC
IL-6	Forward	AGACAGCCACTCACCTCTTCAG
	Reverse	TTCTGCCAGTGCCTCTTTGCTG
Sox-9	Forward	ACACACAGCTCACTCGACCTTG
	Reverse	AGGGAATTCTGGTTGCTCCTCT
COL2A1	Forward	TTCAGCTATGGAGATGACAATC
	Reverse	AGAGTCCTAGAGTGA CTGAG
COL10A1	Forward	CCCTCTTGTTAGTGCCAACC
	Reverse	AGATTCCAGTCCTTGGGTCA
MMP-13	Forward	GACTGGTAATGGCATCAAGGGA
	Reverse	CACCGGCAAAAGCCACTTTA
18S	Forward	ACGAGACTCTGGCATGCTAACTAGT
	Reverse	CGCCACTTGTTCTCTAAGAA
RPL13	Forward	TCGTACGCTGTGAAGGCATC
	Reverse	GGTTGGTGTTCATCCGCTTG

Table S2. Eight histological and immunohistological parameters selected for quantification of Cartilage Repair as per International Cartilage Repair Society II Scoring System with Slight Modifications.

Parameters	Score for Different Attributes of Parameters (total Max Score 19)			
	3	2	1	0
Tissue Morphology	Hyaline	Mostly hyaline	Mixed hyaline/fibrocartilage	Fibrous tissue
Matrix Staining (Safranin O)	—	Normal Intensity	Reduced Intensity	No staining
Cell Distribution	—	Columnar	Columnar and Clusters	Clusters and disorganized
Surface Architecture	—	Smooth (>3/4)	Moderate (>1/2-3/4)	Severely irregular (<1/4)
Integration with subjacent bone	—	Full basal integration	Partial basal integration	No basal integration
Integration with subjacent cartilage	—	Full integration	Partial integration	No integration
Type I collagen immunostaining	None	Slight	Moderate	Abundant
Type II Collagen Immunostaining	Abundant	Moderate	Slight	None