

Supplemental Table 1. Sequences of primers used in real-time PCR

Species	Genes	Primer sequences (5' →3')	Size (bp)	
Rabbit	GAPDH	GTCATCATCTCAGCCCCCTC GGATGCGTTGCTGACAATCT	99	
	COL1A1	GCGGTGGTTACGACTTTGGTT AGTGAGGAGGGTCTCAATCTG	139	
	COL2A1	CAGGCAGAGGCAGGAACTAAC CAGAGGTGTTTGACACGGAGTAG	132	
	COL10	ATCAGCCACTGGGAAGCC TTCGGTCCACTTGGTCCTC	72	
	ACAN	ATGGCTTCCACCAGTGCG CGGATGCCGTAGGTTCTCA	127	
	SOX9	GTACCCGCACCTGCACAAC TCCGCCTCCTCCACGAAG	100	
	CCNA2	TGACTTAGCTGCACCAACGG CCCGTACTGTGTAGAGTGC	195	
	MCM6	CAAGACAGGGACATCGCACT GAGGTCCAGGCATGGTAAGG	178	
	RAD21	GACTCACCCAGTTCACCCAG CACAACTGGGTTTCGGCAG	128	
	STAG1	TTGCGAACATCGGGACATCT GCTGAATTGTTGGGCCACAT	246	
	EXO1	CAGCTTCTTCGTGAGGGGAA TCCCTGAGACCTAGCAGCTT	111	
	human	GAPDH	CTATAAATTGAGCCCGCAGC GACCAAATCCGTTGACTCCG	143
		COL1A1	GCTTCACCTACAGCGTCACT AAGCCGAATTCCTGGTCTGG	154
COL2A1		TGAGCCATGATTCGCCTCG CCCTTTGGTCCTGGTTGCC	110	
COL10		CGCTGAACGATACCAAATGCC TTCCCTACAGCTGATGGTCC	258	
ACAN		CTACACGCTACACCCTCGAC ACGTCCTCACACCAGGAAAC	216	
SOX9		AAGCTCTGGAGACTTCTGAACG CGTTCTTCACCGACTTCCTCC	133	
CCNA2		CTGGTGGTCTGTGTTCTGTGA TGCCAGTCTTACTCATAGCTGA	137	
MCM6		CCAGTGGTAAAGCGTCCAGT CCACTGATTGGGTTTGCTGC	268	
RAD21		GCTGCCGCAAAGTTCTACAG GGTCCAGGTGTTGCGATGAT	101	
STAG1		ACAGATGCTGTACACCGTTCA GGCAGGGCATGAAATAAGTGG	183	

EXO1

AAACCTGAATGTGGCCGTGT
CCTCATTCCCAAACAGGGACT

113

Supplementary figures

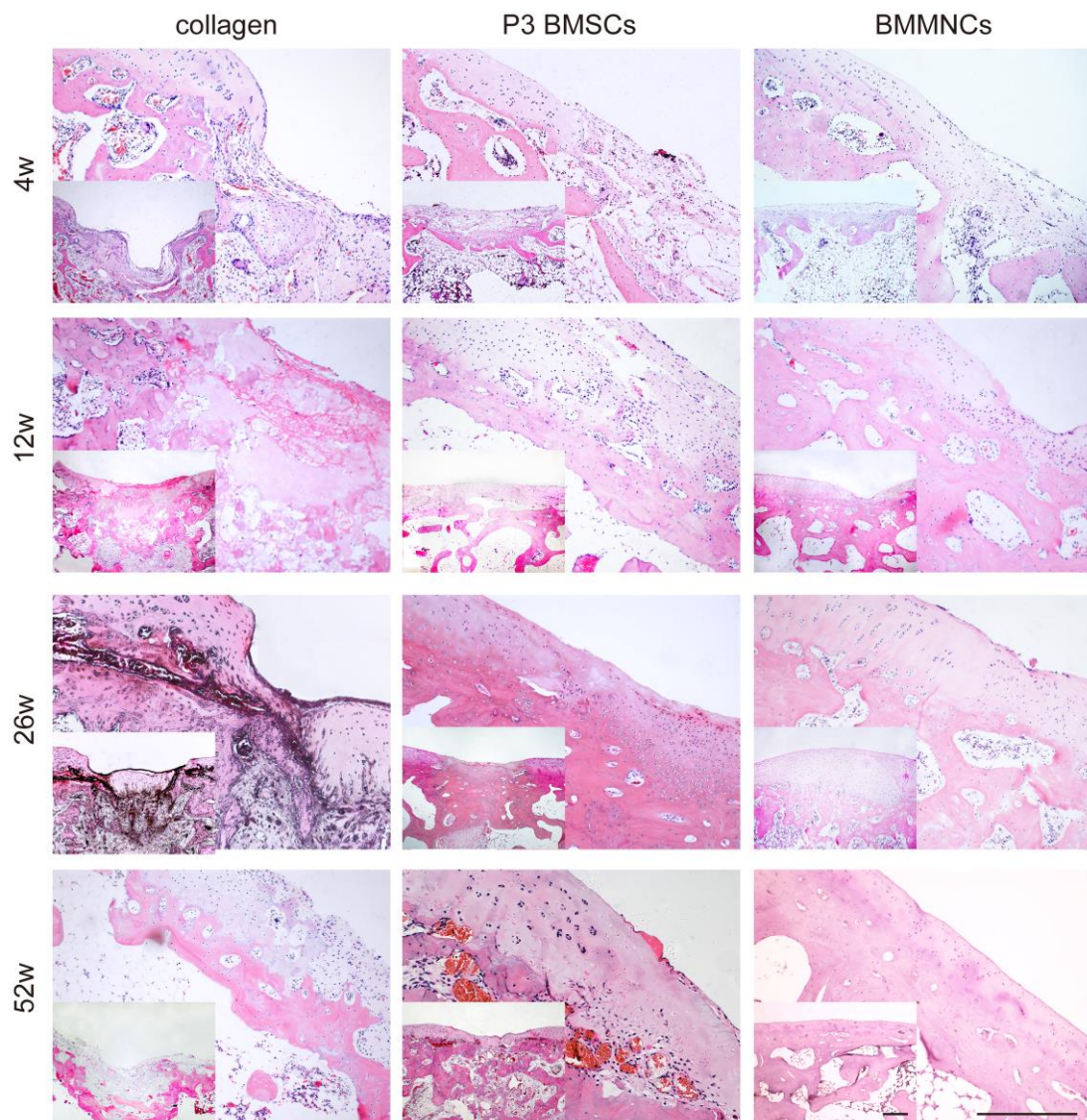


Figure. S1 HE staining of repaired cartilage *in vivo* at different post-transplantation time, respectively. Scale bar: 400 μ m.

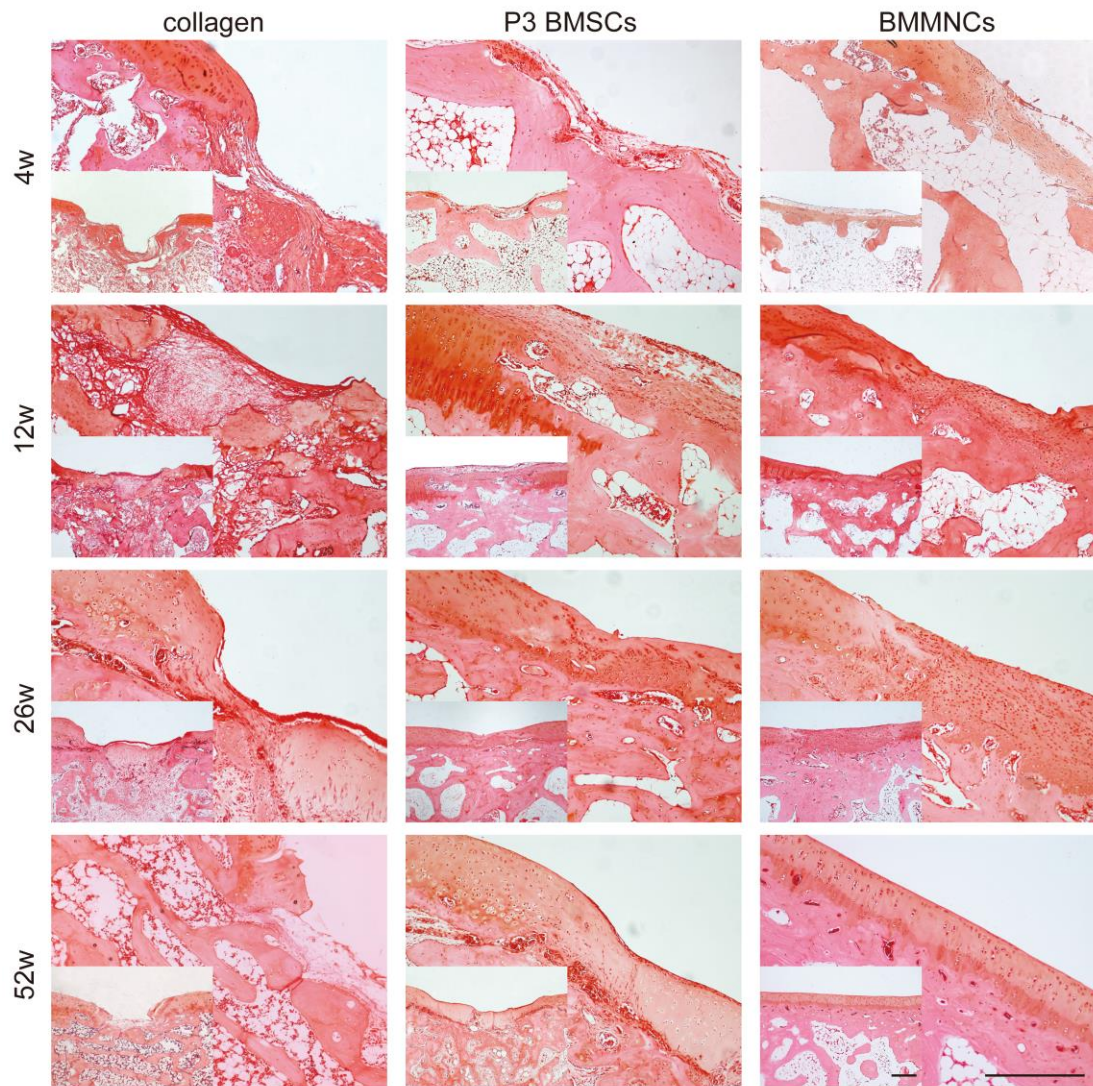


Figure. S2 Safranin-O staining of repaired cartilage *in vivo* at different post-transplantation time, respectively. Scale bar: 400 μ m.