

Table S1 Histological score system for the regenerated enthesis*

Individual outcomes	Score			
	1	2	3	4
Cellularity (inflammation)	Marked	Moderate	Mild	Minimal
Presence of fibrocytes (%)	<25	26–50	51–75	>75
Proportion of cells oriented parallel (%)	<25	26–50	51–75	>75
Proportion of fibers oriented parallel (%)	<25	26–50	51–75	>75
Presence of matrix	Minimal	Mild	Moderate	Marked
Insertion integrity	C(+), R(-), F(-), T(-)	C(+), R(+), F(-), T(-)	C(+), R(+), F(+), T(-)	C(+), R(+), F(+), T(+)
Insertion continuity (%)	<25	26–50	51–75	>75

*, 7 Individual outcomes on a scale of 1 to 4. C means “continuity”, R means “regularity”, F means “fibrocartilage”, T means “tidemark”. Percentage was relative values as compared to unoperated native RC enthesis. RC, rotator cuff.

Table S2 Primer sequences used for qRT-PCR analysis

Gene	Primer sequence	Species
<i>Runx-2</i>	Forward primer 5'-CGCCTCACAAACAACCACAG-3'	Human
	Reverse primer 5'-GGTAGTGACCTGCGGAGATT-3'	
<i>Ocn</i>	Forward primer 5'-CATGCCCTCCTCATCGC-3'	Human
	Reverse primer 5'-ACCGCTGGGCTTCGCACC-3'	
<i>Sox-9</i>	Forward primer 5'-TGGGCAAGCTCTGGAGACTTC-3'	Human
	Reverse primer 5'-ATCCGGGTGGTCCTTCTTG-3'	
<i>Agg</i>	Forward primer 5'-GGTCTACTGCCAACTACCC-3'	Human
	Reverse primer 5'-CGATGCCTTTCACCACGACT-3'	
<i>Scx</i>	Forward primer 5'-CCTGAACATCTGGGAAATTTAATTTTAC-3'	Human
	Reverse primer 5'-CGCCAAGGCACCTCCTT-3'	

<i>Tnmd</i>	Forward primer 5'-TTTCTGACATAACTCCCGAGAGC-3'	Human
	Reverse primer 5'-AGATATGGGCAGTTCGTTTCAGC-3'	
<i>GAPDH</i>	Forward primer 5'-GGAGTCAACGGATTTGGTCGT-3'	Human
	Reverse primer 5'-GCTCCCGTTCTCAGCCTTGA-3'	

qRT-PCR, quantitative real time-polymerase chain reaction.