

Electronic Supporting Information

Small Intestine Submucosa decorated 3D printed scaffold accelerated diabetic bone regeneration by ameliorating the microenvironment

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Table S1 PCR primers for genes associated with macrophage polarization

Gene	Primer sequence (5'→3')
<i>IL-10</i>	F: GCTCTTACTGACTGGCATGAG
	R: CGCAGCTCTAGGAGCATGTG
<i>IGF-1</i>	F: AAATCAGCAGCCTTCCAATC
	R: GCACTTCCTCTACTTGTGTTCTT
<i>β-actin</i>	F: GGCTGTATTCCCCTCCATCG
	R: CCAGTTGGTAACAATGCCATGT

Table S2 PCR primers for genes associated with angiogenesis

Gene	Primer sequence (5'→3')
<i>VEGF</i>	F: TCGGATCAAACCTCACCA R: CAGGGATTTTTCTTGTCTTGCT
<i>Notch1</i>	F: GACTGCTCCCTCAACTTCAAT R: GTGGTCCTGCAGTACTGGT
<i>GAPDH</i>	F: GATTTGGTCGTATTGGGCG R: CTGGAAGATGGTGATGG

Table S3 PCR primers for genes associated with osteogenesis

Gene	Primer sequence (5'→3')
<i>Runx2</i>	F: ATACCCCCTCGCTCTCTGTT R: ACATAGGTCCCATCTGCCT
<i>Colla</i>	F: CCCTGGTCCCTCTGGAAATG R: GGACCTTTGCCCCCTTCTTT
<i>β-actin</i>	F: GGCTGTATTCCCCTCCATCG R: CCAGTTGGTAACAATGCCATGT

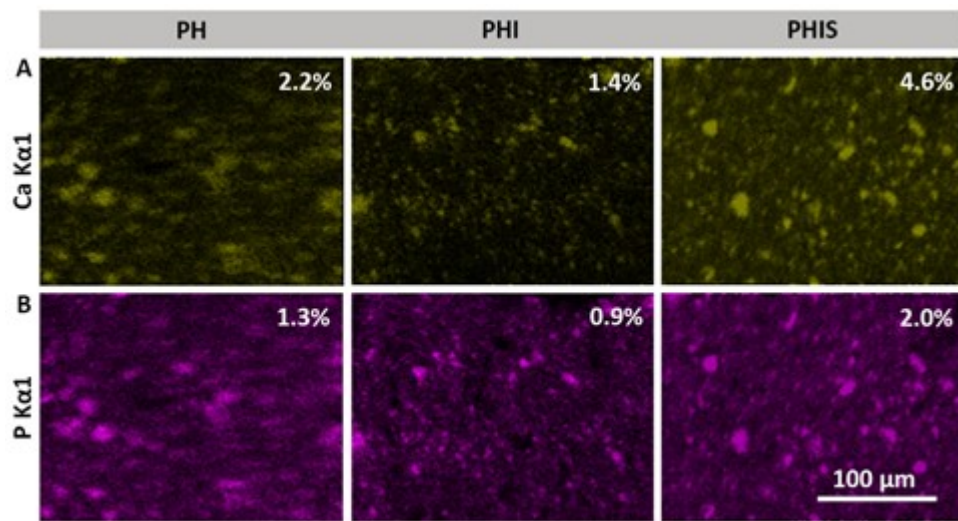


Fig. S1 The EDS analyses of calcium and phosphorus of the 3D-printed scaffolds. (A) Calcium distribution; (B) Phosphorus distribution.

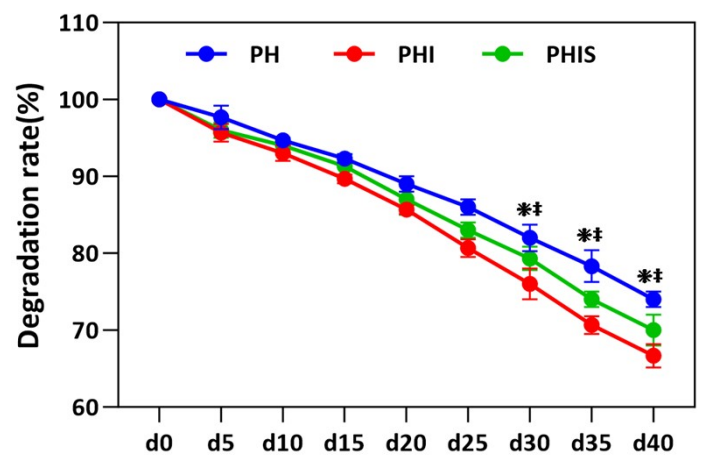


Fig. S2 The degradation behavior of those 3D-printed scaffolds.

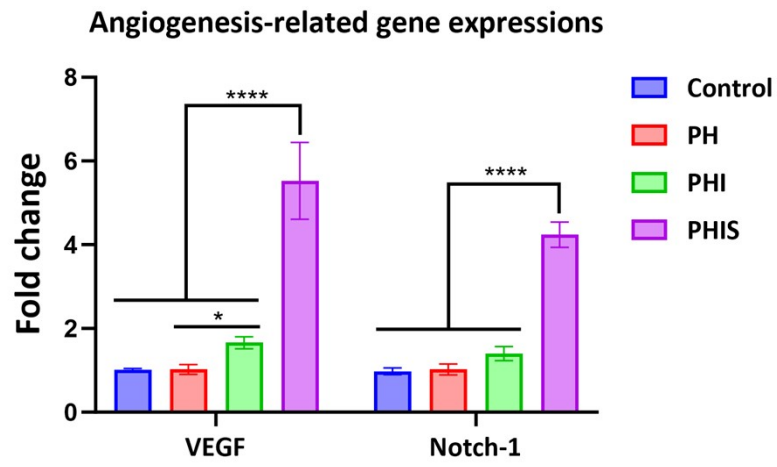


Fig. S3 The mRNA expression profiles of angiogenesis-related genes.