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Article

3D-Printed Bioactive Scaffold Loaded with GW9508 Promotes Critical-Size Bone Defect Repair by Regulating Intracellular Metabolism

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Supplementary Materials

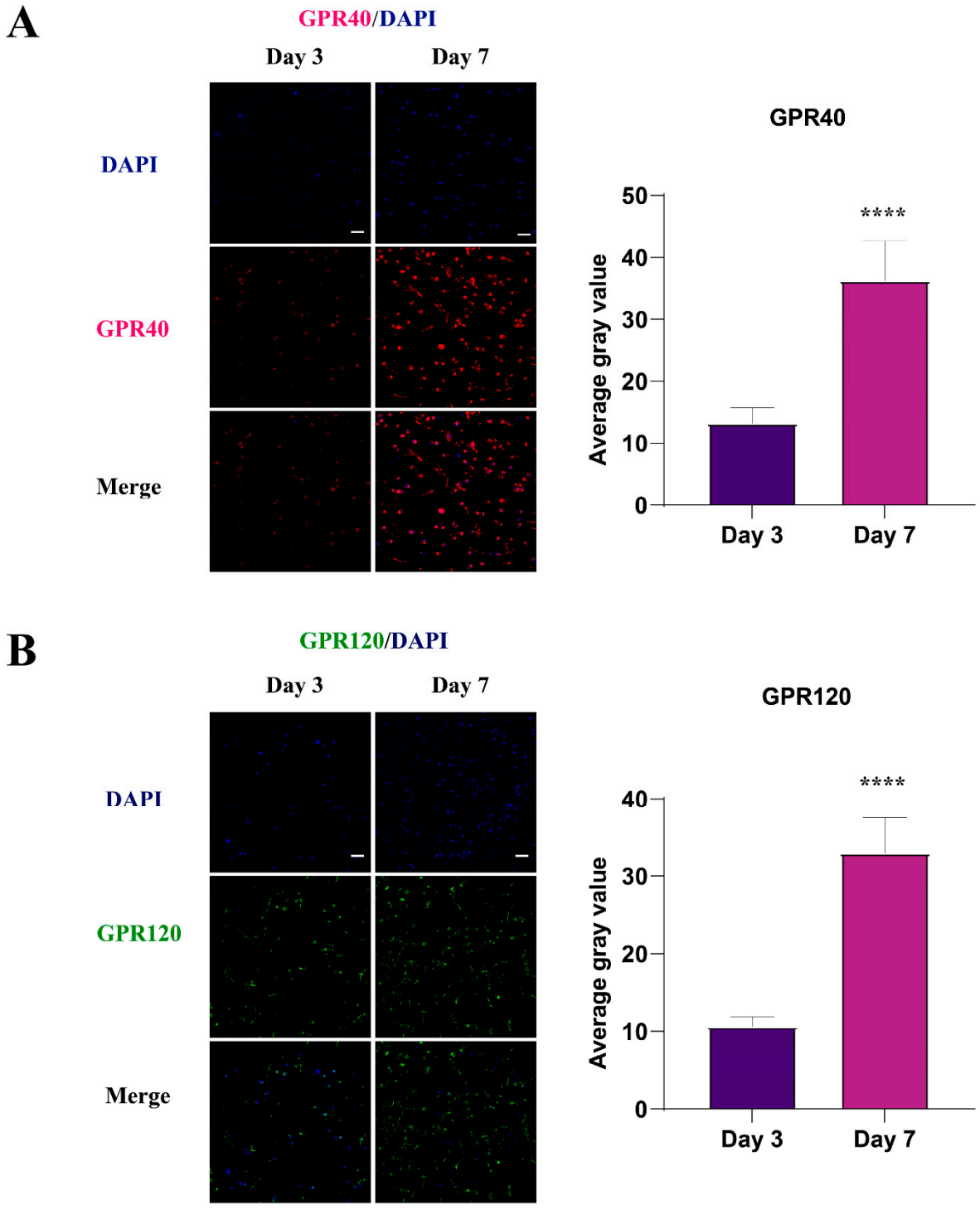

Figure S1. Immunofluorescence staining of (A) GPR 40 (Red) and (B) GPR 120 (Green) on rat BMSCs cultivated in COLI/HA/Alg hydrogel at Day3 and Day7. Scale bar = 50 μm. Significance was determined using one-way analysis of variance test. n=6, "ns" represents no significant difference,****$P < 0.0001$.

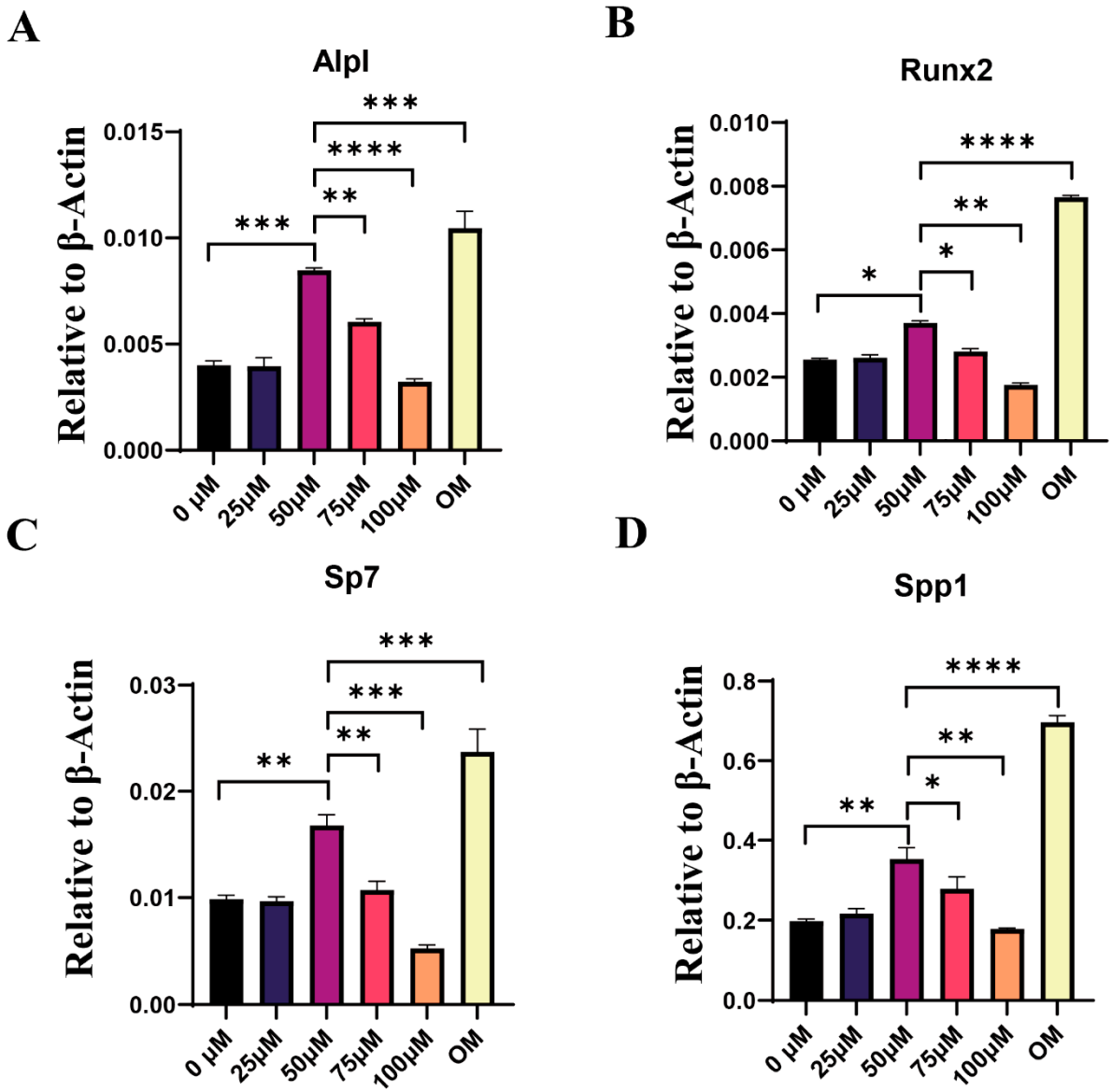

Figure S2. Effects of GW9508 on the osteogenic differentiation of rat Bone marrow mesenchymal stem cells (using β-actin as reference gene) relative to β-actin. A-D) Quantitative analysis of the gene expression of Alp (A), Runx2 (B), Sp7 (C), and Spp1 (D) in BMSCs at Day 14 relative to β-actin. Significance was determined using one-way analysis of variance test. n=4, "ns"represents no significant difference,*P < 0.05; **P < 0.01; ***P < 0.001; ****P < 0.0001.