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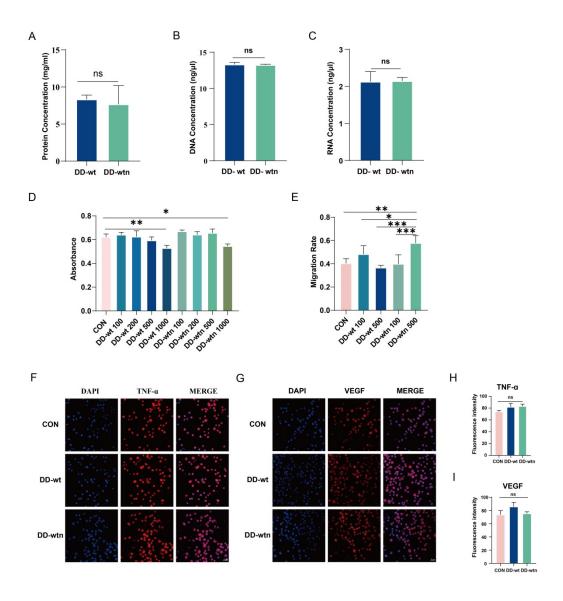


Fig. S1. A Protein concentration of DD. B DNA concentration of DD. C RNA concentration of DD. D Results of CCK8 at 24 hours of culture. E Statistics on the results of scratch experiments, (F, G) Immunofluorescence imaging of TNF-a and VEGF in bioprinted constructs after being cultured for 1 days in vitro (scale bar:  $25\mu m$ ). (H, I) Quantitative analysis of TNF-a and VEGF fluorescence. ns: P > 0.05, \*P < 0.05, \*P < 0.05, \*P < 0.01, \*\*\*P < 0.001.

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