Data S1. Supplementary materials

Biomechanical test analysis. The right tibia of rats was wrapped in gauze containing saline and then wrapped in tinfoil and stored at -80˚C. The specimen was thawed at room temperature and kept moist with 0.9% sodium chloride solution. Test parameters were as follows: Range, 200 N; loading speed, 0.5 mm/min; starting force, 0.2 N; maximum termination force, 10 N; maximum test displacement, 2.0 mm; display force range, 10 N; preset return difference, 0.008 mm. The maximum load of the callus (N) was the load at the time of specimen breakage; stiffness of the callus (N/mm) was calculated from the slope of the smooth curve in the rising section of the load-displacement curve; maximum fracture energy of the callus (N x mm) was the area under the load-displacement curve.