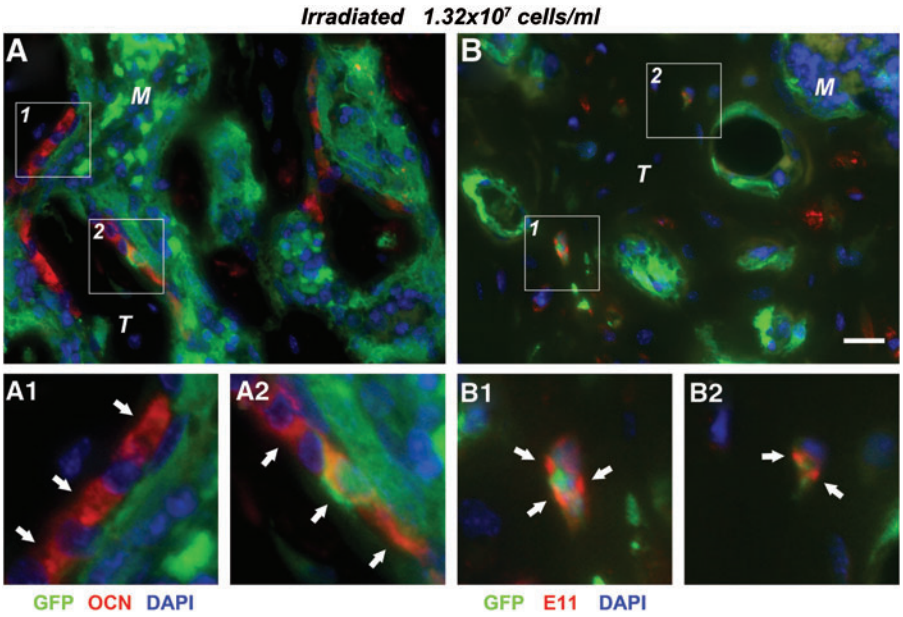

SUPPLEMENTARY FIG. S3. TBI permits BMSC engraftment and new bone formation. **(A, B)** Representative fluorescence micrographs of the proximal tibia marrow space in irradiation-preconditioned BMSC-transplanted tibiae at 1.32×10^7 cells/mL 4 weeks post-transplantation. **(A, B1, 2)** Osteocalcin (OCN)-positive osteoblasts lining trabecular structures with few of them co-expressing GFP (arrows); maturing osteocytes embedded in the bone matrix, some of them also co-expressing E11 (arrows) (M: marrow, T: trabecular bone, 40×, scale bar 40 μm, GFP = green, OCN = red **(A1, 2)**, E11 = red (**B1, 2**), 4′,6-diamidino-2-phenylindole [DAPI] = blue, $n = 7$ animals per group).