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# Author Correction: Bone marrow-derived mesenchymal stem cells (BMSCs) repair acute necrotized pancreatitis by secreting microRNA-9 to target the NF- $\kappa$ B1/p50 gene in rats

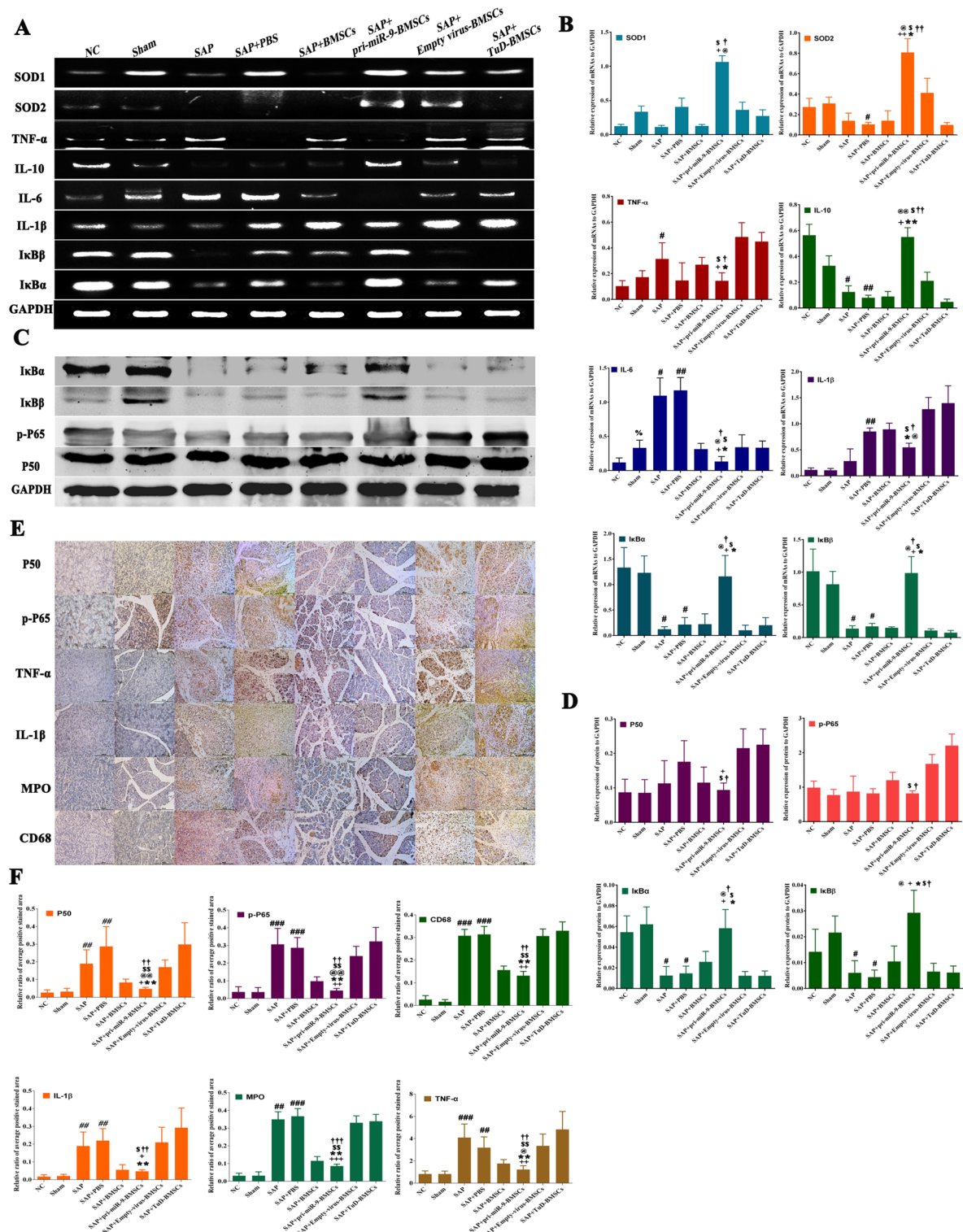
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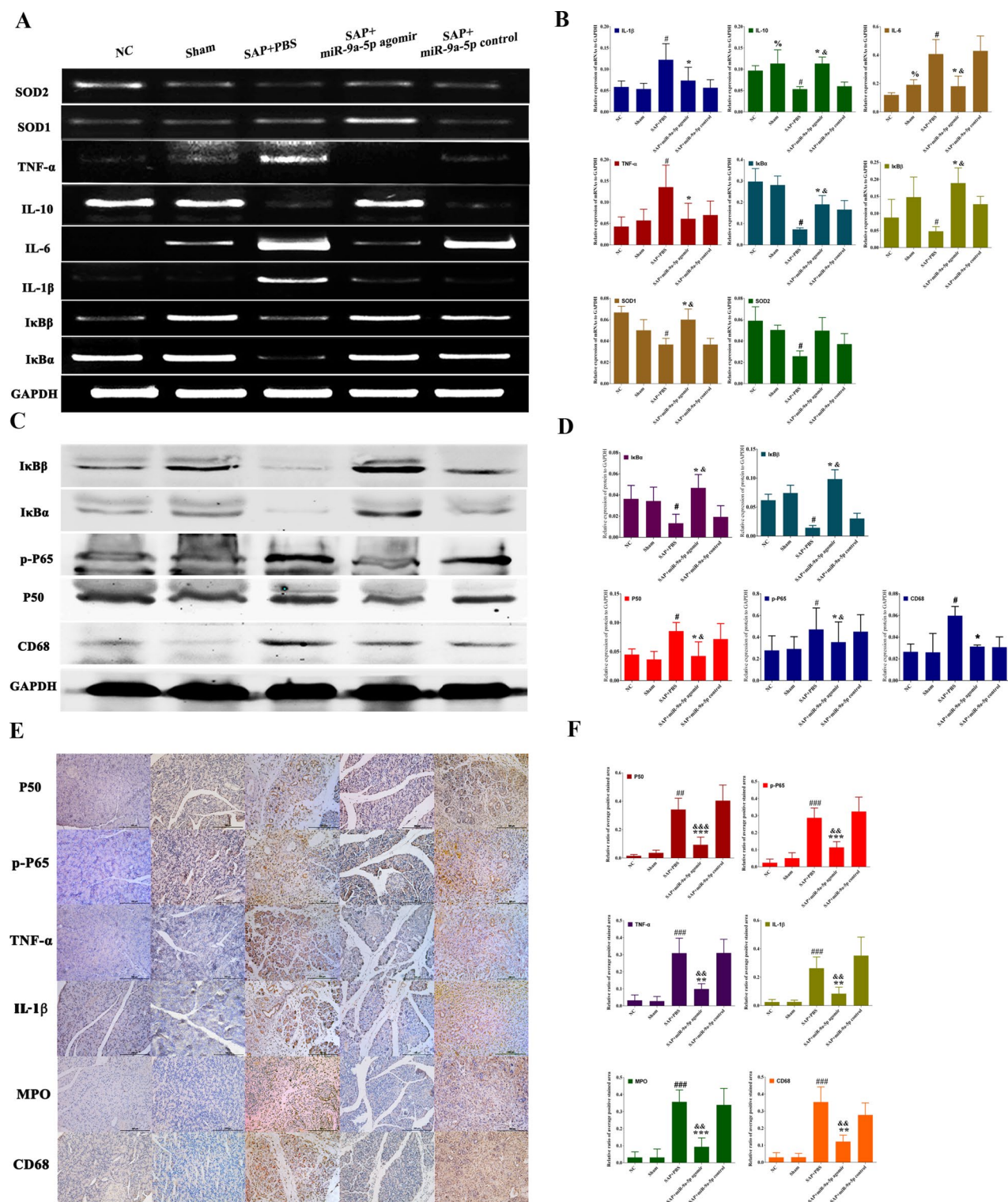
Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-017-00629-3>, published online 03 April 2017

This article contains errors. As a result of errors during figure assembly, a TNF- $\alpha$  image panel mistakenly displays a duplication of an IL-1 $\beta$  image panel in Figure 3E. In Figure 4E, partial overlaps are shown for an image from the CD68 condition that was mistakenly used for the TNF- $\alpha$  condition and an image for the MPO group that was mistakenly used for the CD68 condition.

The correct Figures 3 and 4 and accompanying legends appear below.



**Fig. 3.** pri-miR-9-BMSCs could inhibit the local inflammatory response. The expressions of pro-inflammatory cytokines (IL-1 $\beta$ , IL-6, TNF- $\alpha$ , and MPO), NF- $\kappa$ B proteins (p-P65, P50) and CD68 were significantly decreased by pri-miR-9-BMSCs. On the contrary, the expressions of superoxide dismutase (SOD<sub>1</sub> and SOD<sub>2</sub>) and anti-inflammatory proteins (I $\kappa$ B $\alpha$  and I $\kappa$ B $\beta$ ) were significantly increased by pri-miR-9-BMSCs, compared with SAP, SAP + PBS, BMSCs, or TuD-BMSCs groups by gPCR (A,B), Western-blot (C,D) and IHC (E,F). Data are shown as mean  $\pm$  SD for at least 3 separate experiments. %  $p < 0.01$ , compared with NC, #  $p < 0.05$ , ##  $p < 0.01$  and ###  $p < 0.001$ , compared with NC, \*  $p < 0.05$ , \*\*  $p < 0.01$  and \*\*\*  $p < 0.001$ , compared with SAP, %  $p < 0.05$  and %%  $p < 0.01$ , compared with SAP + PBS, @  $p < 0.05$  and @@  $p < 0.01$ , compared with BMSCs, \$  $p < 0.05$  and \$\$  $p < 0.01$ , compared with Empty-virus BMSCs, †  $p < 0.05$ , ††  $p < 0.01$  and †††  $p < 0.001$ , compared with TuD-BMSCs by using paired t test. gPCR, General PCR, IHC, immunohistochemistry.



**Fig. 4.** miR-9 could antagonize the local inflammatory response. The expressions of IL-1 $\beta$ , IL-6, TNF- $\alpha$ , MPO, p-P65, P50, and CD68 were significantly decreased by miR-9a-5p agomir. Inversely, the expressions of SOD<sub>1</sub>, SOD<sub>2</sub>, I $\kappa$ B $\alpha$ , and I $\kappa$ B $\beta$  were significantly increased by miR-9a-5p agomir, compared with SAP + PBS or miR-9a-5p control group, by gPCR (A,B), Western-blot (C,D) and IHC (E,F). Data are shown as mean  $\pm$  SD for at least 3 separate experiments. %P < 0.05, compared with NC, #p < 0.05 and ##p < 0.001, compared with NC, \*p < 0.05, \*\*p < 0.01 and \*\*\*p < 0.001, compared with SAP + PBS, &p < 0.05, &&p < 0.01, and &&&p < 0.001, compared with miR-9a-5p control by using paired t test. SOD, Superoxide Dismutase, gPCR, General PCR, IHC, immunohistochemistry.

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