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Correction to: RGD4C peptide mediates anti-p21Ras scFv entry into tumor cells and produces an inhibitory effect on the human colon cancer cell line SW480

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Following publication of the original article [1], the authors reported a typesetting error. Figures 4 and 5 were transposed. The correct Figs. 4 and 5 are supplied below and the original article [1] has been corrected.

The original article can be found online at https://doi.org/10.1186/s12885-021-08056-4.

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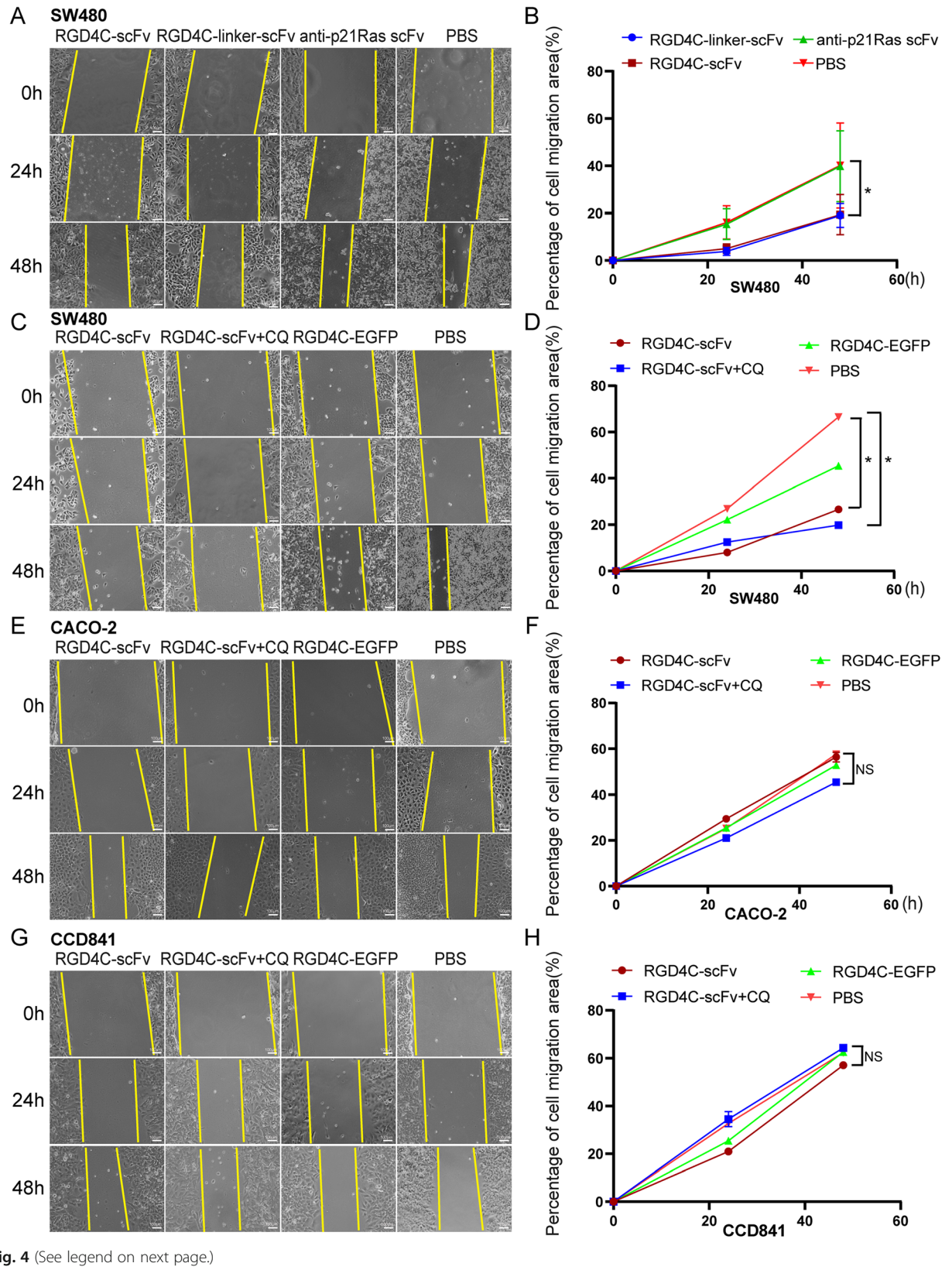

Fig. 4 (See legend on next page.)

(See figure on previous page.)
Fig. 4 The antitumor efficacy of RGD4C-p21Ras-scFv in vitro. **a** and **b** Cell migration was measured with a scratch test after SW480 cells were cocultured with 20 μM RGD4C-scFv, RGD4C-linker-scFv or the anti-p21Ras scFv for 0 h, 24 h, and 48 h. The migration of SW480 cells was inhibited in the RGD4C-scFv and RGD4C-linker-scFv groups compared with the anti-p21Ras scFv and PBS control groups. **c** and **d** The migration of SW480 cells was inhibited in the RGD4C-scFv and RGD4C-scFv+CQ groups compared with RGD4C-EGFP and PBS groups. Moreover, the migration inhibition effect of RGD4C-scFv+CQ groups was higher than RGD4C-scFv group. **e-h** There were no difference the migration of CACO-2 and CCD841 cells in the RGD4C-scFv and RGD4C-scFv+CQ groups compared with RGD4C-EGFP and PBS groups

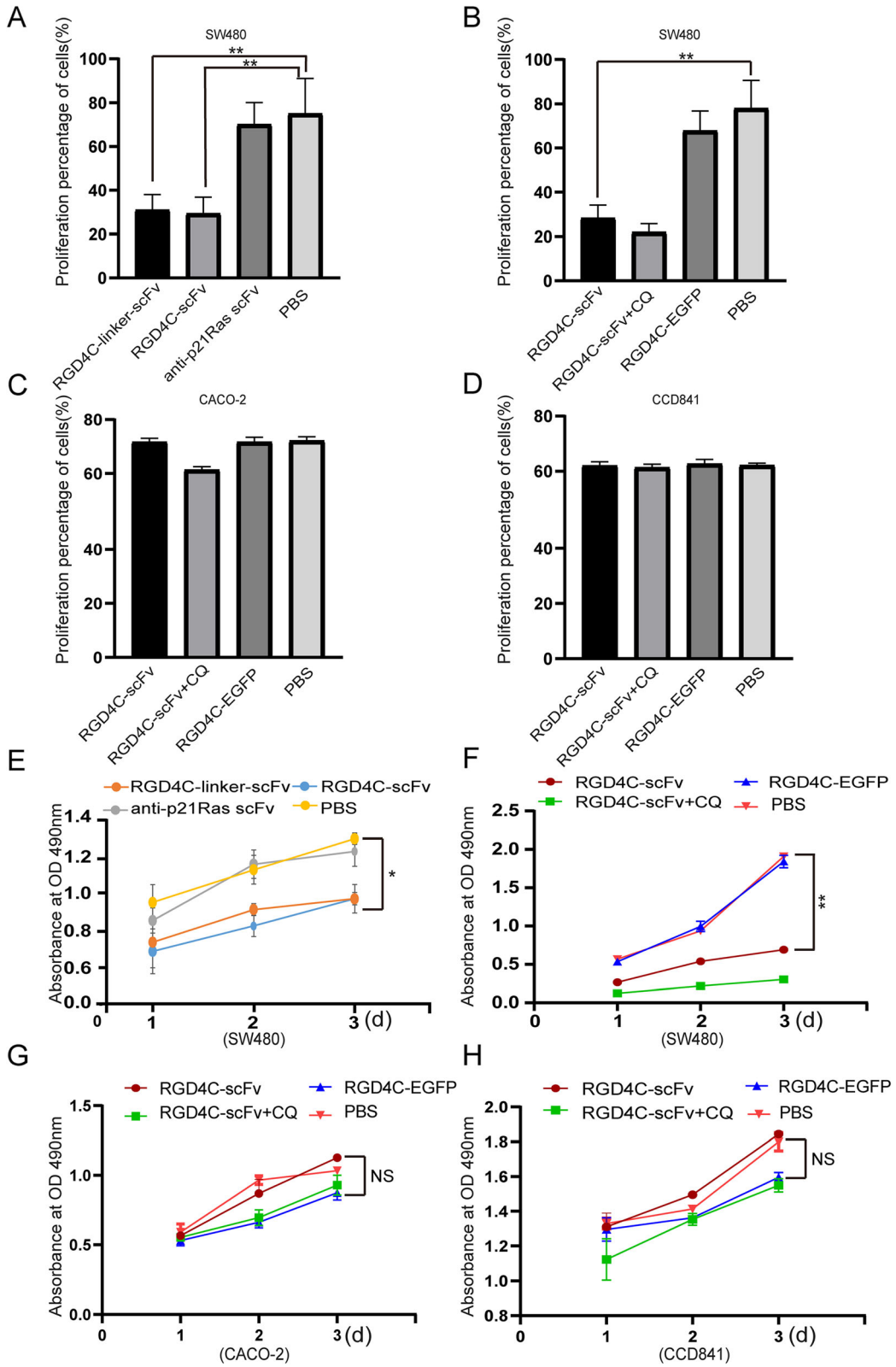

Fig. 5 (See legend on next page.)

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Fig. 5 a A colony formation experiment was performed to detect the effect of RGD4C-scFv on SW480 cell proliferation. SW480 cells were incubated with 20 μM fusion protein. After 2 weeks of incubation, monoclonal cells were stained with Giemsa. The numbers of tumor cell clones in the RGD4C-scFv and RGD4C-linker-scFv groups were significantly lower than those in the anti-p21Ras scFv and PBS groups. **b** The clone numbers of SW480 cell in the RGD4C-scFv and RGD4C-scFv+CQ groups were also significantly lower than those in the RGD4C-EGFP and PBS groups. **c** However, CACO-2 cell clones had no significant difference between the experimental group and the control group. **d** The clone numbers of normal cell CCD841 cells in the RGD4C-scFv and RGD4C-scFv+CQ groups were roughly the same with those in the RGD4C-EGFP and PBS groups. **e** After treatment with RGD4C-p21Ras-scFv for 1d, 2 d, or 3 d, the proliferative activity of SW480 cells was tested by an MTT assay. The growth of SW480 cells was inhibited by both RGD4C-scFv and RGD4C-linker-scFv compared with the anti-p21Ras scFv and PBS. **f** After treatmented with RGD4C-scFv, RGD4C-EGFP or RGD4C-scFv+CQ for 1d, 2 d, 3 d, the growth of SW480 cells was inhibited by both RGD4C-scFv or RGD4C-scFv+CQ compared with the RGD4C-EGFP and PBS. **g** and **h** After treatment with RGD4C-scFv, RGD4C-EGFP or RGD4C-scFv+CQ for 1d, 2 d, 3 d, neither the RGD4C-EGFP and PBS control groups nor the RGD4C-scFv and RGD4C-scFv+CQ experimental group had any killing effect on the CACO-2 and CCD841 cells

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Reference

1. Huang CC, Liu FR, Feng Q, et al. RGD4C peptide mediates anti-p21Ras scFv entry into tumor cells and produces an inhibitory effect on the human colon cancer cell line SW480. BMC Cancer. 2021;21:321 https://doi.org/10.1186/s12885-021-08056-4.