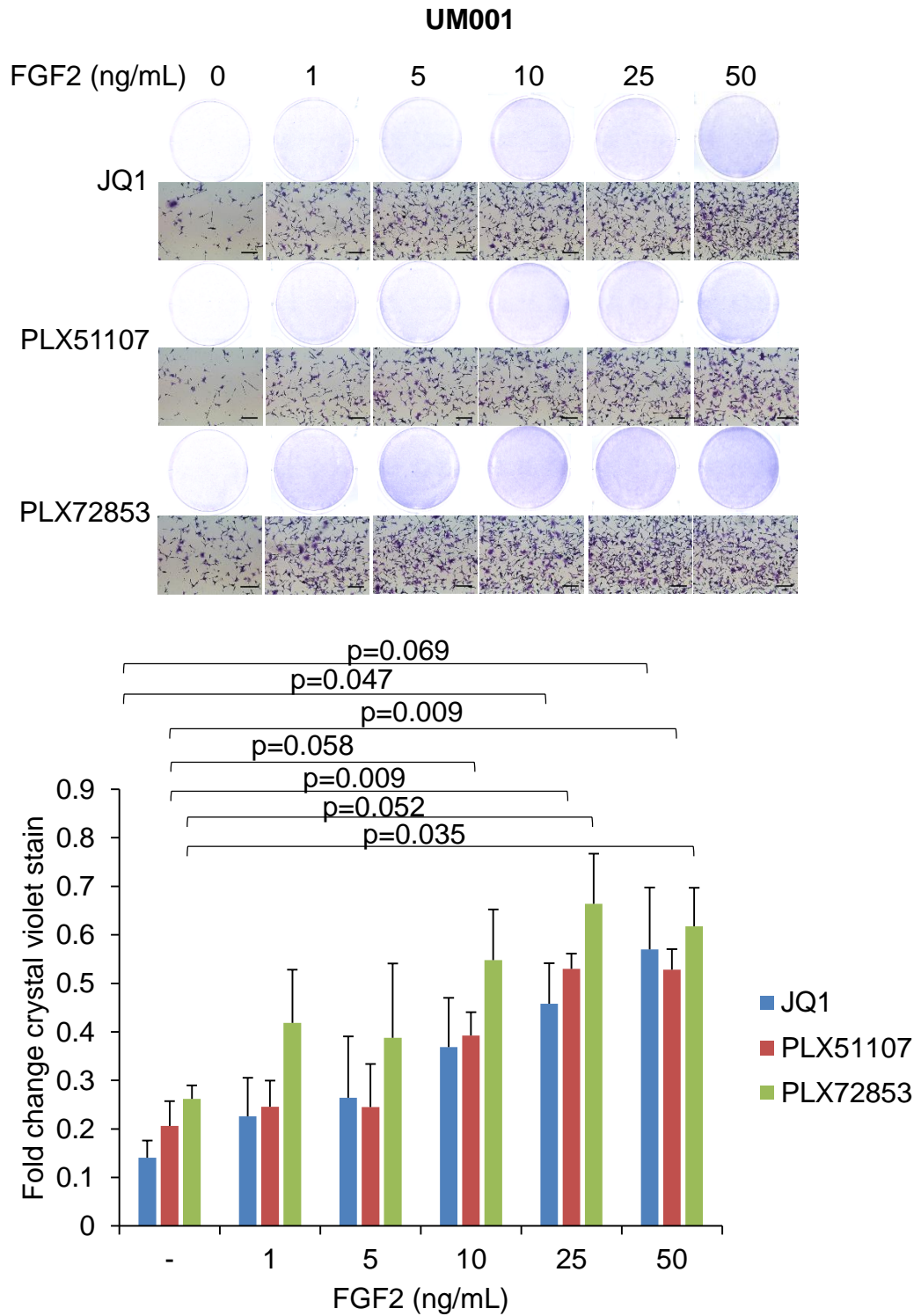
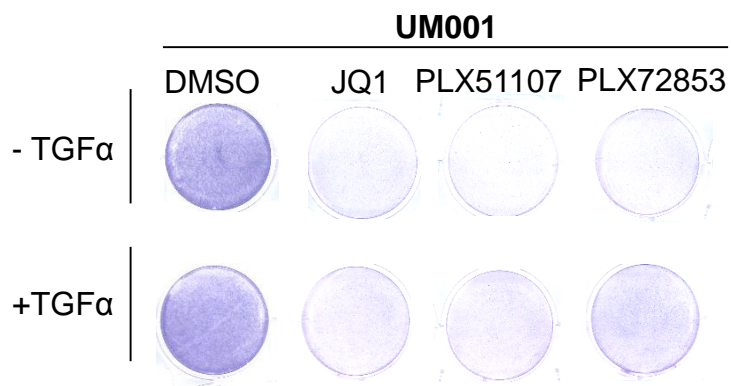
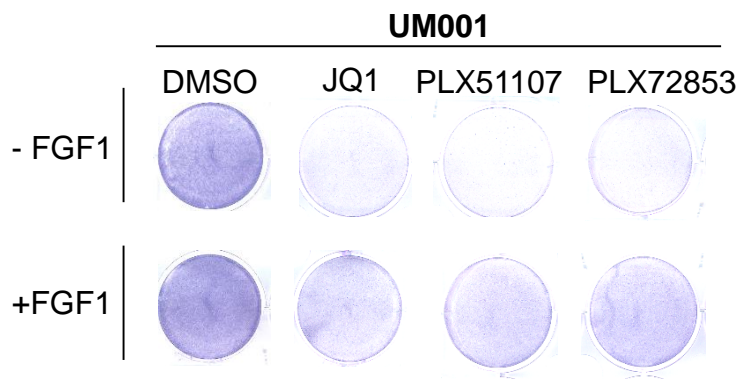
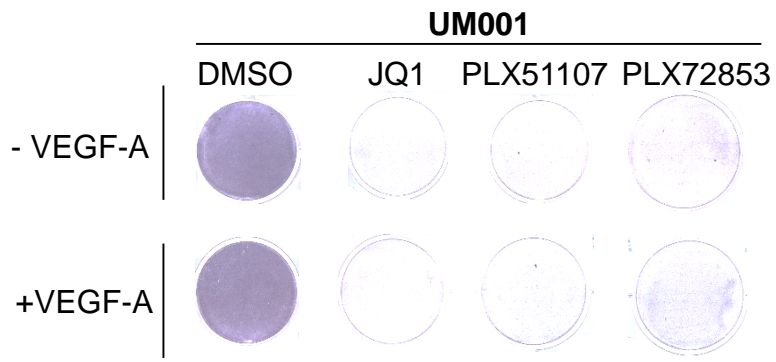


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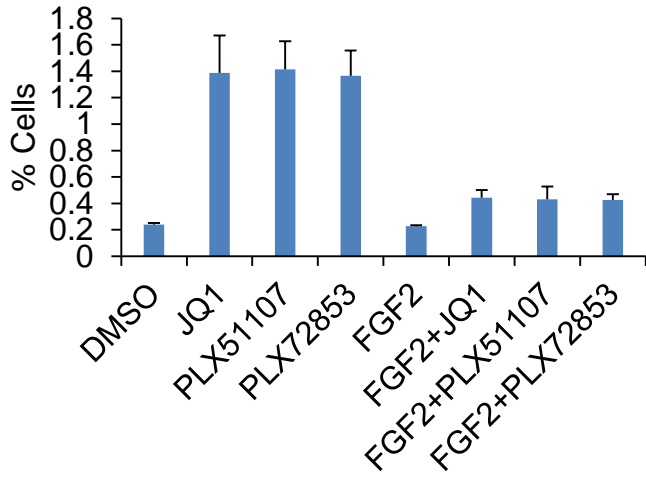
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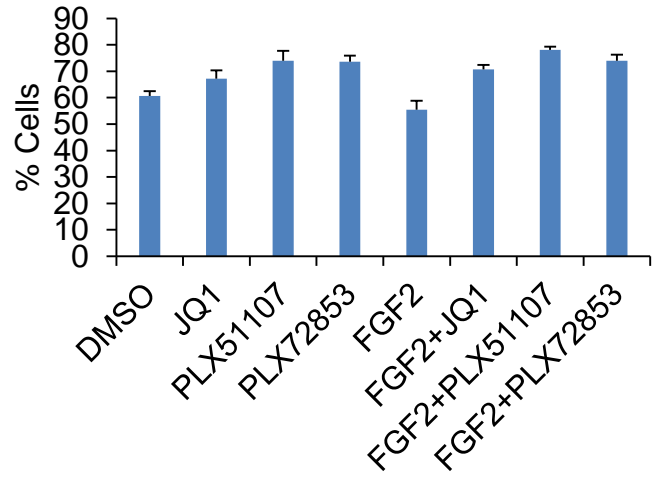


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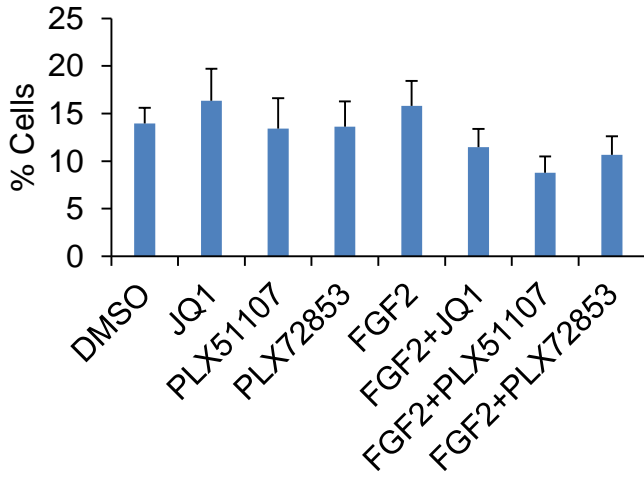
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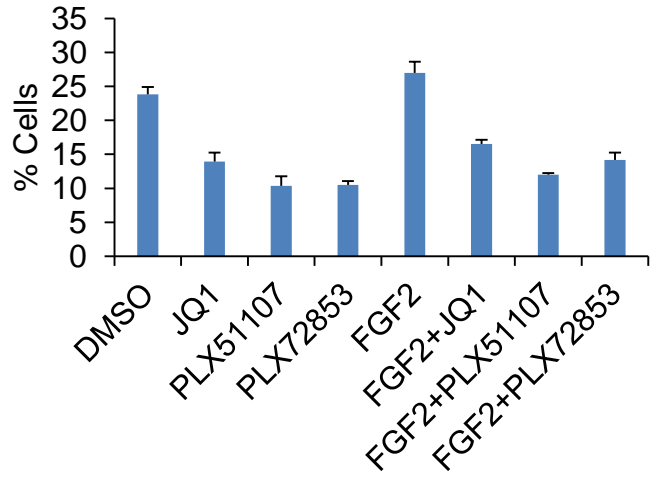
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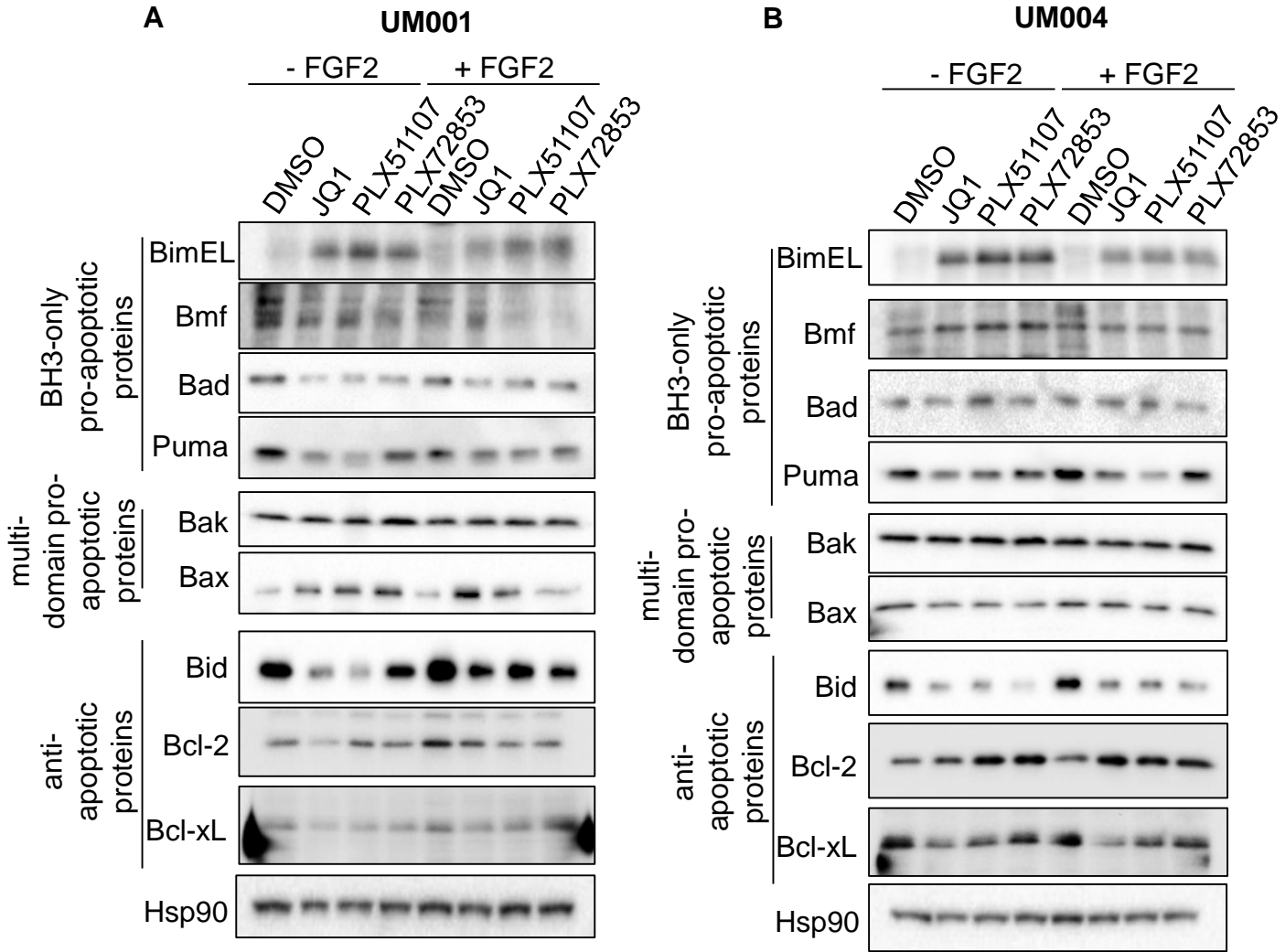


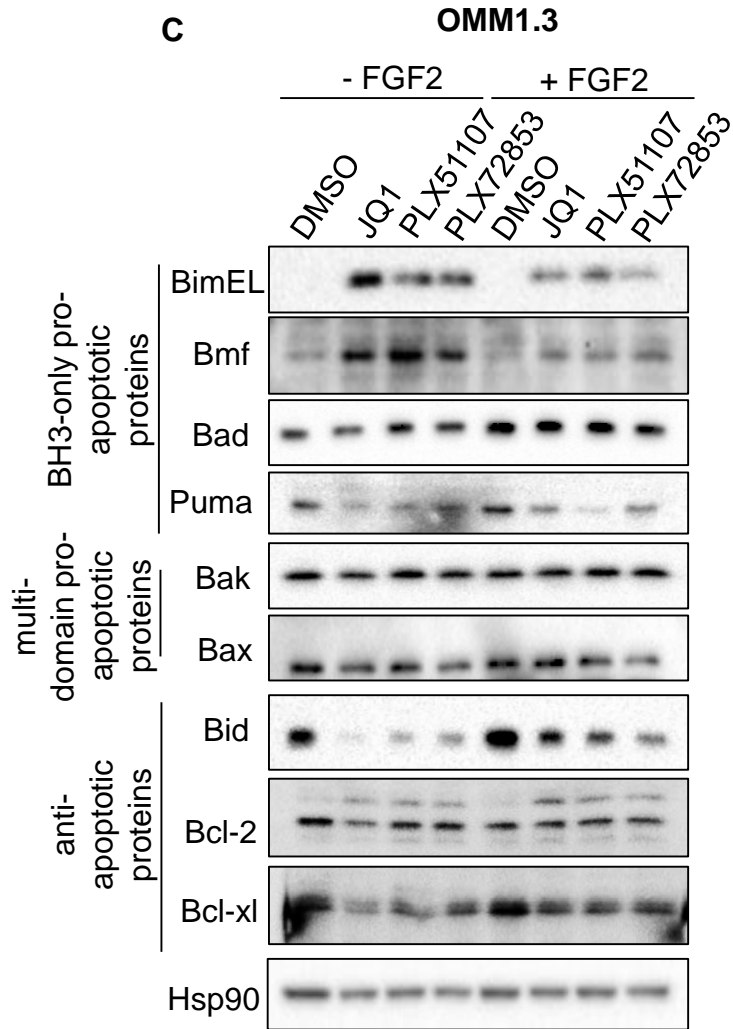
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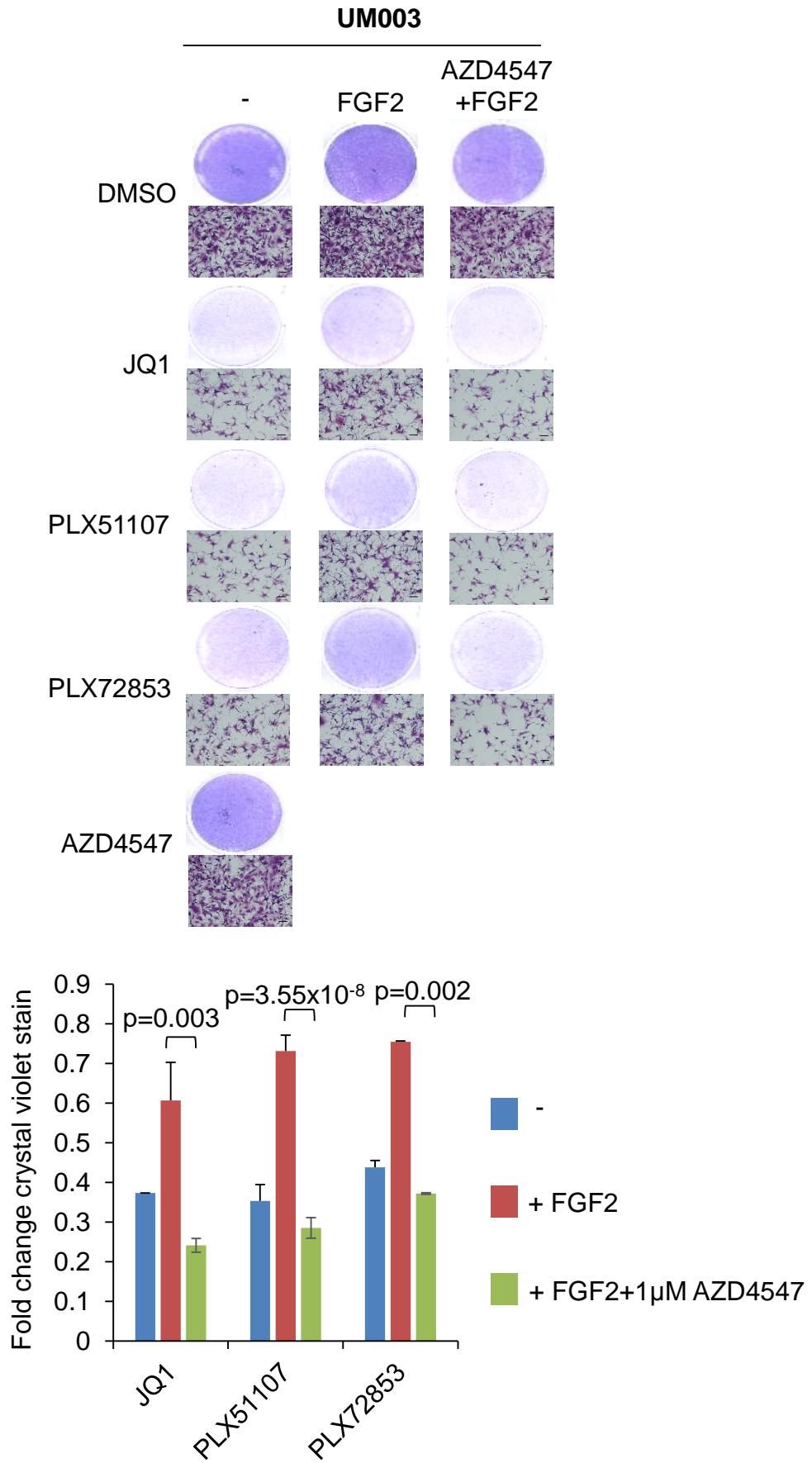


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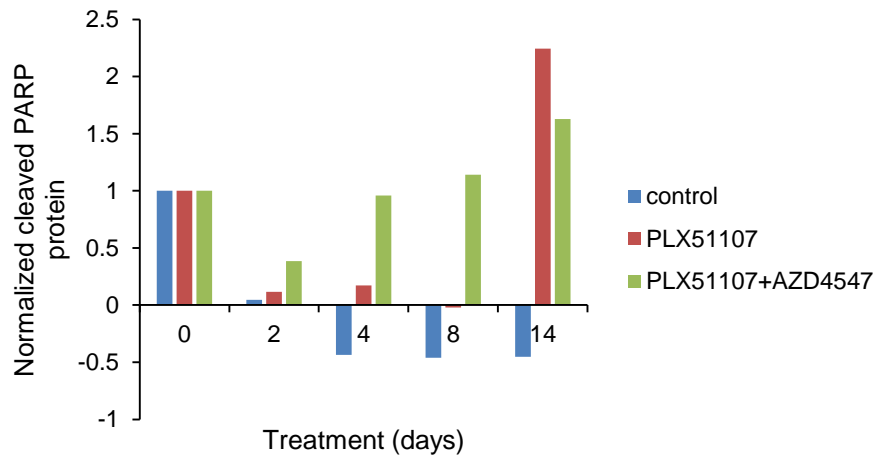
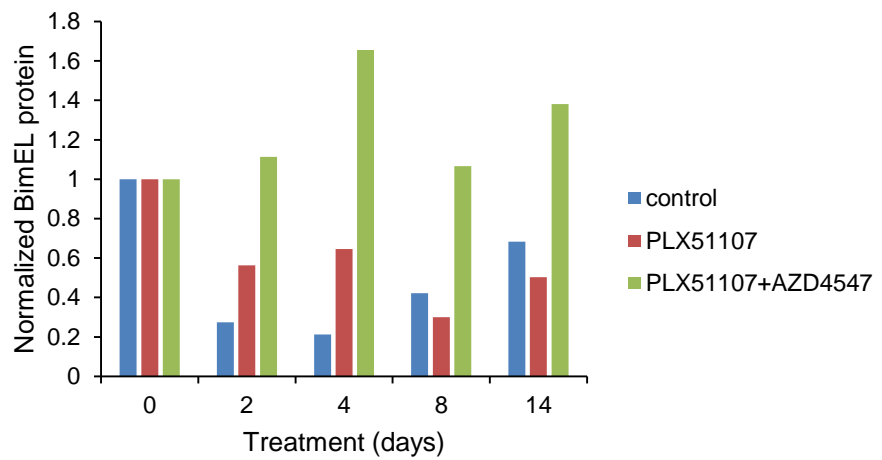
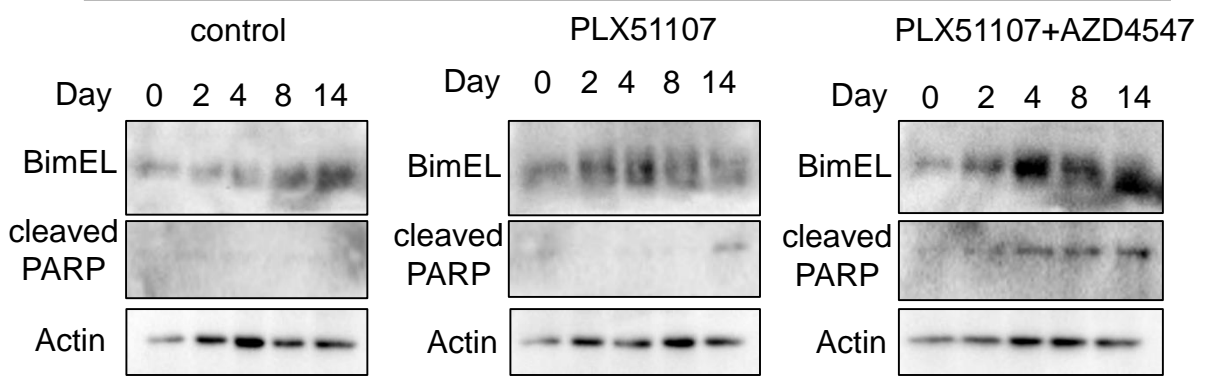




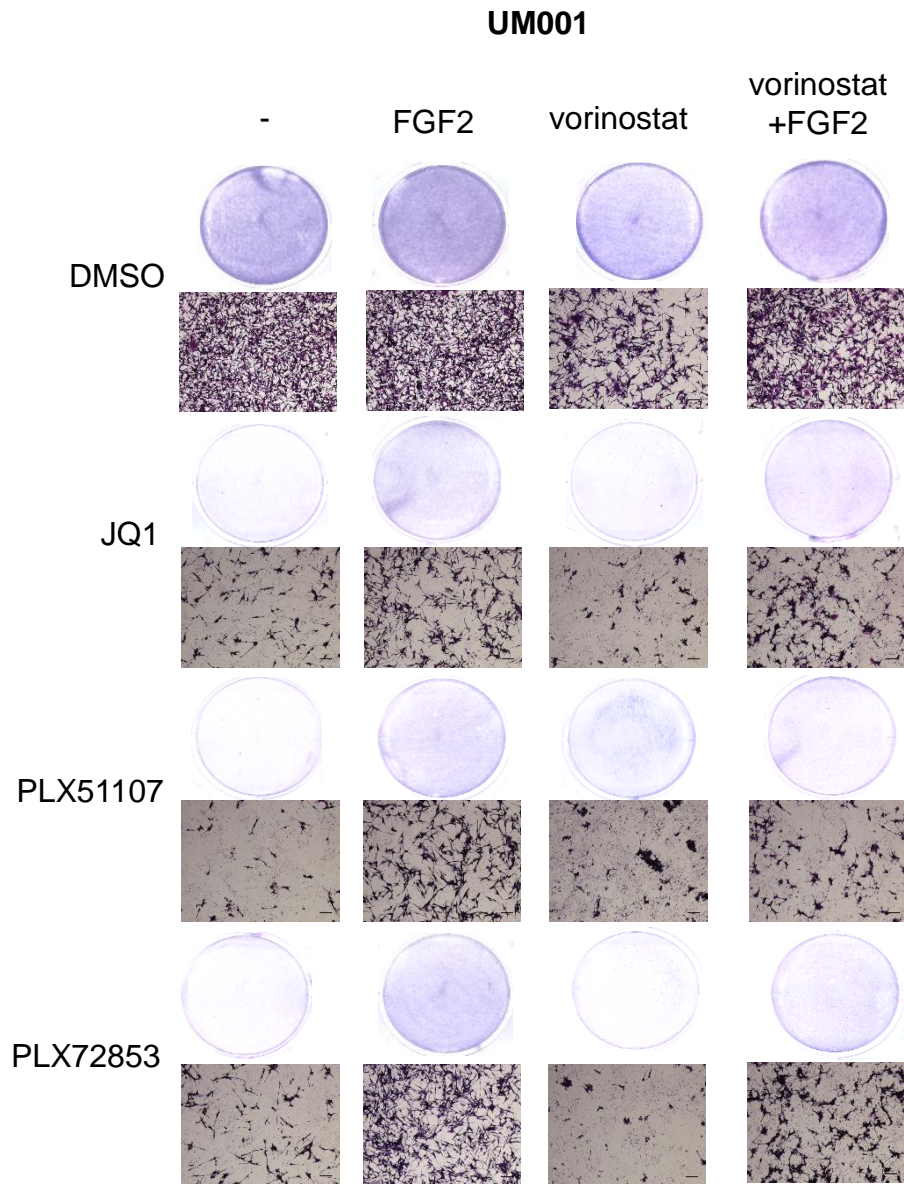


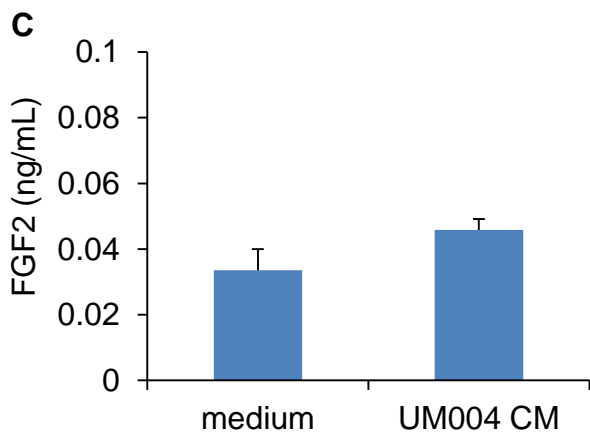
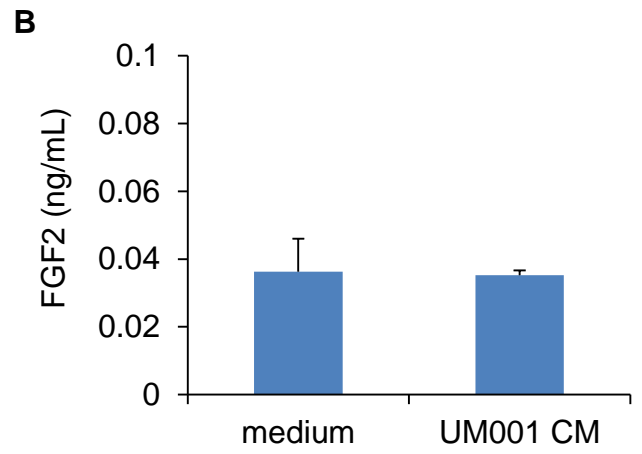
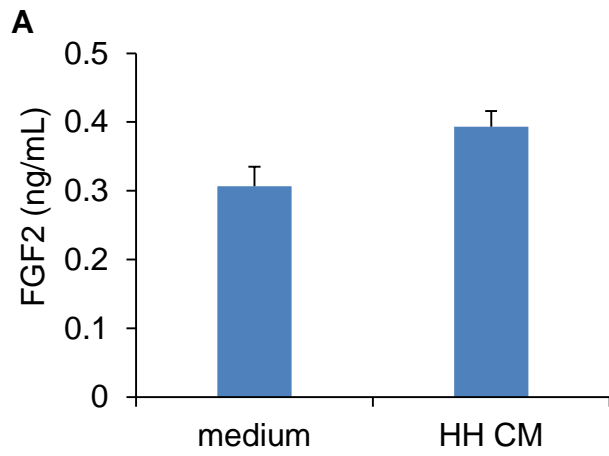


## UM001









### **Appendix Figure Legends**

**Appendix Figure S1:** UM001 was treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853 in combination with increasing concentrations of FGF2. Colony growth was monitored after 8 days of treatment with crystal violet. Fold change in crystal violet stain compared to DMSO and mean  $\pm$  S.E.M. of data from triplicate experiments (or n=3) is shown. Statistical significance is measured using the unpaired t-test. Scale bar: 100 $\mu$ m.

**Appendix Figure S2:** Effects of VEGF-A, FGF1 and TGF $\alpha$  on the responses of UM001 to BET inhibitors. UM001 was treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853 and 50ng/mL of VEGF-A, FGF1 or TGF $\alpha$  for 8 days. Colony growth assays using crystal violet were performed and representative images are shown.

**Appendix Figure S3:** PI labeling of UM001 following BET inhibitor and FGF2 treatment for 48 hours. UM001 was treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853 and 50ng/mL FGF2. Percentage cells in sub G1, G0/G1, S and G2/M phases were detected by flow cytometry after staining UM001 with PI for 30 minutes. The mean of percentage cells from n=3 experiments is shown.

**Appendix Figure S4:** Characterization of apoptotic and anti-apoptotic marker expression by western blotting following treatment of (A) UM001, (B) UM004 and (C) OMM1.3 with BET inhibitors and 50ng/mL FGF2 for 48 hours. UM001 and OMM1.3 cells were treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853, and UM004 was treated with 2 $\mu$ M JQ1, 2 $\mu$ M PLX51107 or 200nM PLX72853. Blots shown are representatives from three replicate experiments.

**Appendix Figure S5:** UM003 was treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853, 50ng/mL FGF2 and 1 $\mu$ M AZD4547 for 8 days. Colony growth was detected by crystal violet

staining. Fold change in crystal violet stain compared to DMSO and mean  $\pm$  S.E.M. of data from triplicate experiments (or n=3) is shown. The unpaired t-test was used for statistical significance. Scale bar: 100 $\mu$ m.

**Appendix Figure S6:** BimEL and cleaved PARP protein expression over 14 days of treatment of mice bearing UM001 xenografts with 90mg/kg PLX51107 and 5mg/kg AZD4547. Tumor xenografts were from subcutaneous injection of UM001 in nude mice. Representative blots are shown. BimEL and cleaved PARP protein levels were normalized to actin.

**Appendix Figure S7:** UM001 was treated with 1 $\mu$ M JQ1, 1 $\mu$ M PLX51107 or 100nM PLX72853, 50ng/mL FGF2 and 1 $\mu$ M vorinostat. Changes in colony growth were detected after 8 days of treatment by crystal violet staining. Scale bar: 100 $\mu$ m.

**Appendix Figure S8:** FGF2 levels in medium conditioned by (A) human hepatocytes (HH), (B) UM001 and (C) UM004. Conditioned medium was collected three times and FGF2 concentration was measured by ELISA. Data shown is mean  $\pm$  S.E.M. of results from triplicates of a representative experiment.