

Bone morphogenetic protein 4 (BMP-4) and epidermal growth factor (EGF) inhibit metalloproteinase-9 (MMP-9) expression in cancer cells

Supplementary Material

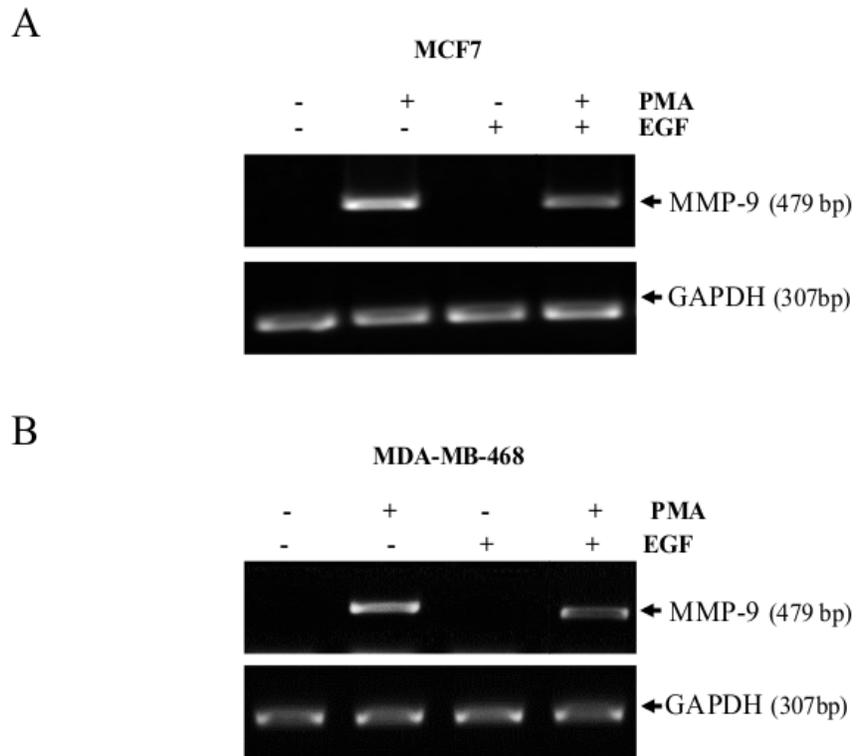


Figure S1: EGF suppresses MMP-9 expression in MCF7. MMP-9 mRNA expression in (A) MCF-7 and (B) MDA-MB-468 cells following treatment with human recombinant EGF. GAPDH was used as a loading control.

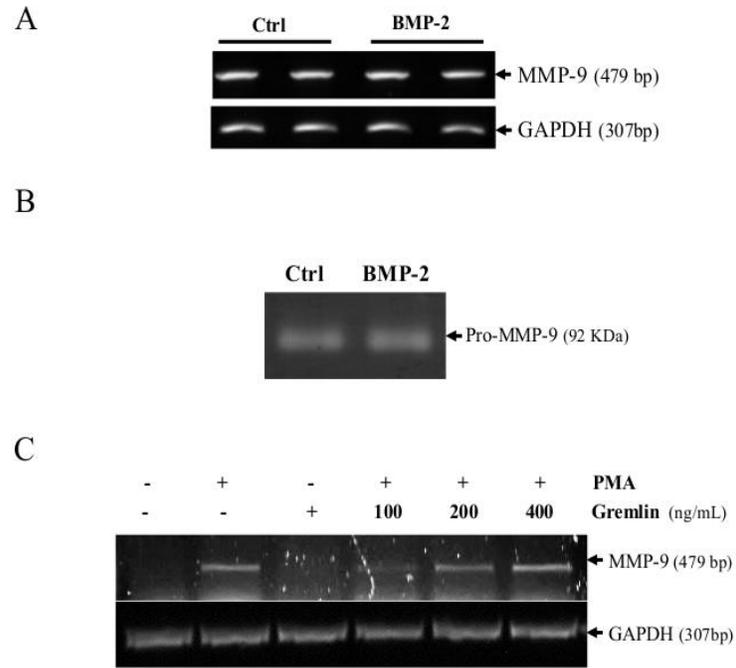


Figure S2: Effect of BMP-2 and gremlin on MMP-9 expression. MMP-9 expression at the mRNA (A) and protein (B) levels in HT1080 incubated following treatment with human recombinant BMP-2. GAPDH was used as a loading control. (C) PMA-induced MMP-9 mRNA expression in MDA-MB-231 cells following treatment with gremlin. GAPDH was used as a loading control.

Table S1: Gene-specific primers used for semi-quantitative RT-PCR

Human gene	Sense	Antisense
MMP-9	5'-caacatcacctattggatcc-3'	3'-cgggtgtagagtctctcgct-5'
EGR1	5'-tgggtgccgctgagtaaatg-3'	3'-ctgaccgcagagtcttttctg-5'
BMP4	5'-ggcacagctatgttcattgggtcaga-3'	3'-ctttcccaggccaaggcacc-5'
GAPDH	5'-cggagtcaacggatttggtctgat-3'	3'-agccttctccatggtggtgaagac-5'