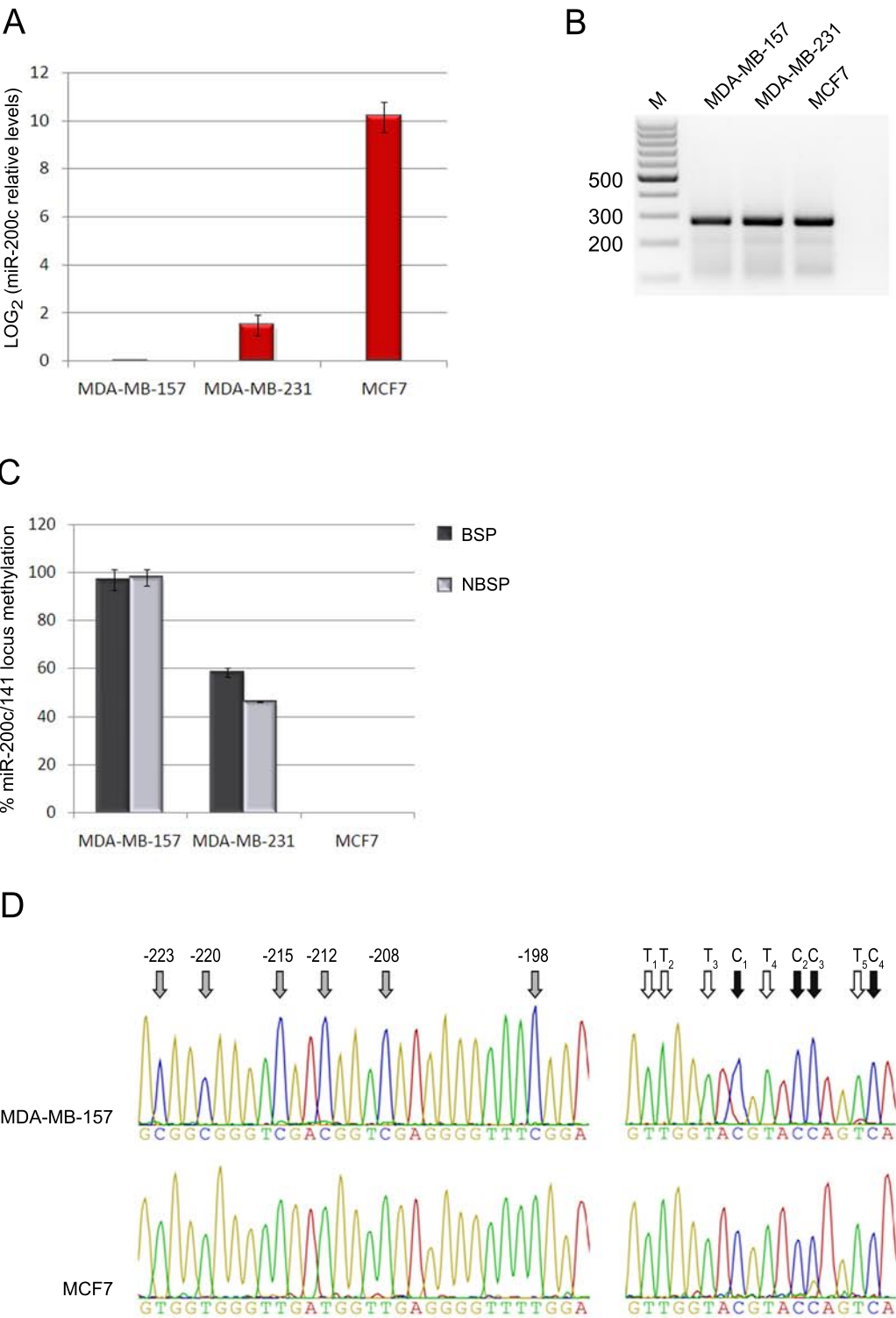


Additional file 6



Inverse association between miR-200c/miR-141 locus methylation and miR-200c expression.

(A) miR-200c levels of MDA-MB-157, MDA-MB-231 and MCF7 cell lines were determined by qRT-PCR and reported as the LOG₂ of the miR-200c relative expression levels. (B) miR-200c/miR-141 locus PCR of bisulfite treated DNA obtained from the MDA-MB-157, MDA-MB-231 and MCF7 cell lines. Lane M, 100 bp size marker; NTC, no template control. (C) miR-200c/miR-141 locus methylation levels of MDA-MB-157, MDA-MB-231 and MCF7 cell lines measured by BSP (black columns) and NBSP (gray columns). Data reported are the averages of methylation rate of the 14 CpG. (D) Representative sequencing chromatograms of 6 CpG (highlighted by gray arrows; left panels) and of the reverse sequence of Tail2 of miR-200c/miR-141 amplicon (right panels; with C and T used to calculate the NF indicated by black and white arrows, respectively) for MDA-MB-157 (upper panels) and MCF7 (lower panels).