



Supplementary Figure S1. Western blot analysis of p53, p21 and γ H2AX. **(A)** LCLs derived from BB family members, MEAD1010 and control were treated with (+) or without (-) 3 μ M Adriamycin (ADR) for 16 hours. Overexposed autographies are shown for clarity. **(B)** Steady level of p53, p21 and γ H2AX normalized with actin. **(C)** Responses to ADR were assessed by the ratio of protein levels before and after ADR treatment. No significant differences were observed between the expression levels of p53 and p21 proteins in *CTC1* mutant and normal cells before and after treatment with Adriamycin. Western analysis of p53, p21 and γ H2AX were done using the commercial antibodies, Anti-p53 (Ab-6) mouse mAb (DO-1) (Calbiochem, Cat.# OP43L, Darmstadt, Germany), mouse monoclonal Anti-p21WAF1/Cip1 antibody (Sigma-Aldrich, Cat.# P1484, St. Louis, MO) and phosphor-histone H2A.X (Ser139) antibody (Cell Signaling, Cat.#5277, Danvers, MA)