



Supplementary Figure S1. qPCR of two different regions in *XPA*. **(A)** With two different primer pairs (dotted boxes), we amplified exon 1 downstream of the mutated region (highlighted in green, amplification product 98 bp) as well as the exon 2 –3 junction (in red, amplification product 105 bp). **(B)** Exemplary amplification plot. While detection of exon 1 (green curves) was similar in B1 and WT cells, we detected a large difference in the amplification of the exon 2 –3 spanning region (red curve). **(C)** Ct values are shown for *actin beta* as the housekeeping gene as well as for the two targeted regions of *XPA*. **(D)** Expression of exon 1 was similar in WT and B1 cells, while an about 40-fold increased expression of the region spanning exons 2-3 was manifest in B1. $2^{-\Delta\Delta C_t}$ values are depicted, normalization using *actin beta*. Significant differences are indicated by stars (* $p < .05$; ** $p < .01$; *** $p < .001$; one-way ANOVA). *Ns*, not significant; ΔRn , normalized reporter value.