



**Supplemental figure 1.** Gene expression levels in PBL 24 h after exposure to 1 Gy X-rays, alpha particles or mixed beams, respectively, with or without inhibition of ATM (KU55933) or DNA-PK (NU7026) in Donor 3 (a) and 4 (b). Mean results from 3 experiments are presented, relative to its respective control (with or without inhibitor). Error bars represent standard deviations. Asterisks represent significant differences at the level of \* < 0.05 and \*\* < 0.01 of mRNA levels in PBL 24 h after the same exposure with inhibitor compared to without inhibitor (student t-test).