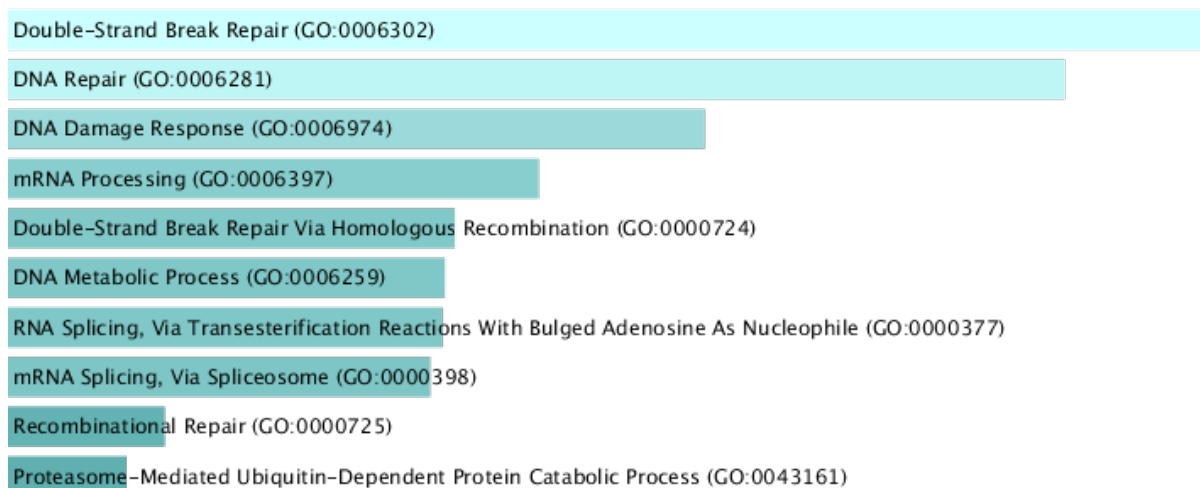
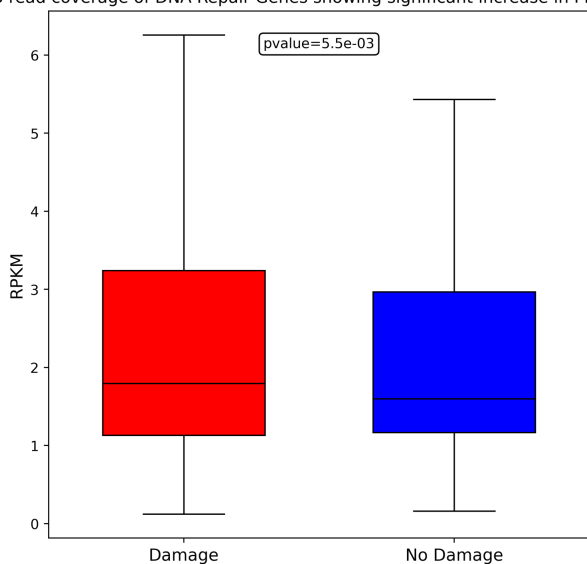


A**B**

GB read coverage of DNA Repair Genes showing significant increase in PI from Y1

**C**

PPR read coverage of DNA Repair Genes showing significant increase in PI from Y1

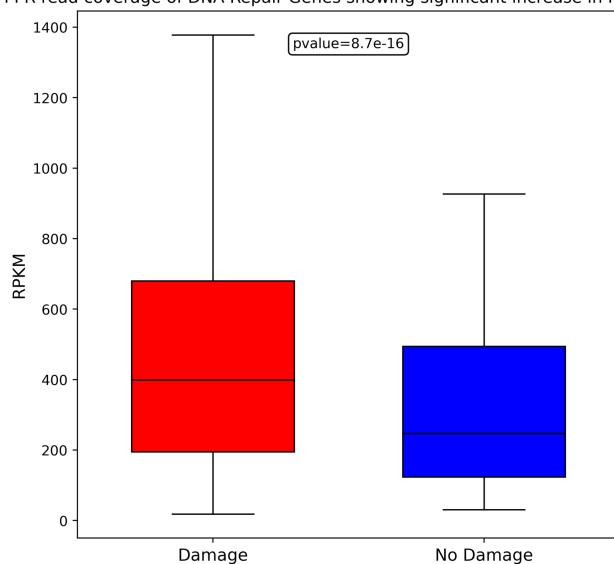


Figure S6. Enrichment analysis of genes with increased promoter pausing index upon DNA damage. **A)** GO enrichment of protein-coding genes showing significant increase in pause index from Y1P samples upon IR. **B)** Box plot indicates mNET-Seq read coverage across GB of DNA repair genes. **C)** Box plot indicates mNET-Seq read coverage across proximal promoter region of DNA repair genes. Two sample Wilcoxon test is used to compute statistical significance of coverage between damage and no damage samples.