



**Supplemental Figure S7:** (A) Gene plot analysis comparing TC-NER defects in gene sets with either increased (B), no change (C), or decreased (D) RNA pol II occupancy in Sth1-AA completed cells. Analysis based on ChIP-seq data mapping Rpb3 occupancy (Kubik et al. 2018). Analysis of TC-NER efficiency of GG-NER deficient *rad16*ΔWT-AA to *rad16*ΔSth1-AA in each of the RNA pol II occupancy subgroups. Values calculated using the log ratio of unrepaired CPDs on the TS relative to the NTS after 2 hours of repair for ~5000 genes.