

**Supplemental Table S1.** Gene Lists Used to Generate Radiation Scores

Score name	Gene
High dose	SPTBN1 TMEM19 CDC6 MTIF2 PRR11 E2F5 GDF15 NIF3L1 CCNF RAD54L TNFRSF10B AURKA CDCA2 KIF2C CENPE PLK1 MXD3 CDC20 FAM83D CCNB1 PSRC1 RFC5 GTSE1 ASPM DLGAP5 BIRC5 AURKB CENPA CDCA3 NEK2 TPX2 KIF20A NDC80 CENPF
Low dose	AEN MDM2 CPT2 FDXR CDKN1A ZDHHC14 IGFBP7 FXYP2 JAM2 TRIM22 LY9 NMT2 VWCE RPS27L REV3L COL27A1 ACAP1 TRIAP1 SESN2 SLFN11 GRIA1 FHL2 APOBEC3H BLOC1S2 MCM3 SESN1 FBXL4 DDB2 ECHDC1 FANCE MSH6 WHSC1L1 PLK3 BST1 AFF1 GADD45A NSUN7 TP53I3 PLK2 SLBP MYC TNFRSF10B PHLDA3 SS18L2 SAP30 TNFSF4
High and low dose	AEN FDXR LY9 RPS27L FHL2 SESN1 FBXL4 PLK2 CCNF SLBP KIF2C CENPE PLK1 MXD3 CDC20 CCNB1 PSRC1 GTSE1 ASPM DLGAP5 BIRC5 AURKB CENPA CDCA3 NEK2 TPX2 KIF20A NDC80 CENPF