Supplemental Figure 1. A. MCF7 cells were plated in phenol red free DMEM containing 10% charcoal dextran treated fetal bovine serum. Cells were treated with the indicated dosage of UV radiation and cell lysates collected 8 hours later. Mi-2 expression increases after UV treatment in the absence of steroid hormones similar to that seen in Figure 1C. B. The cell lines BT549 (Mammary ductal carcinoma), UL3 (U20S derivative, osteosarcoma), C33a (cervical adenocarcinoma), NHF (normal human fibroblast), Hela (cervical adenocarcinoma), HEK-293 (transformed fetal kidney) were treated with the indicated doses of UV radiation and analyzed for Mi-2 expression. The cell lines BT549, UL3, C-33a, Hela and NHF showed marked increases in MI-2 expression following UV exposure. The 293cell line showed no change in Mi-2 expression.

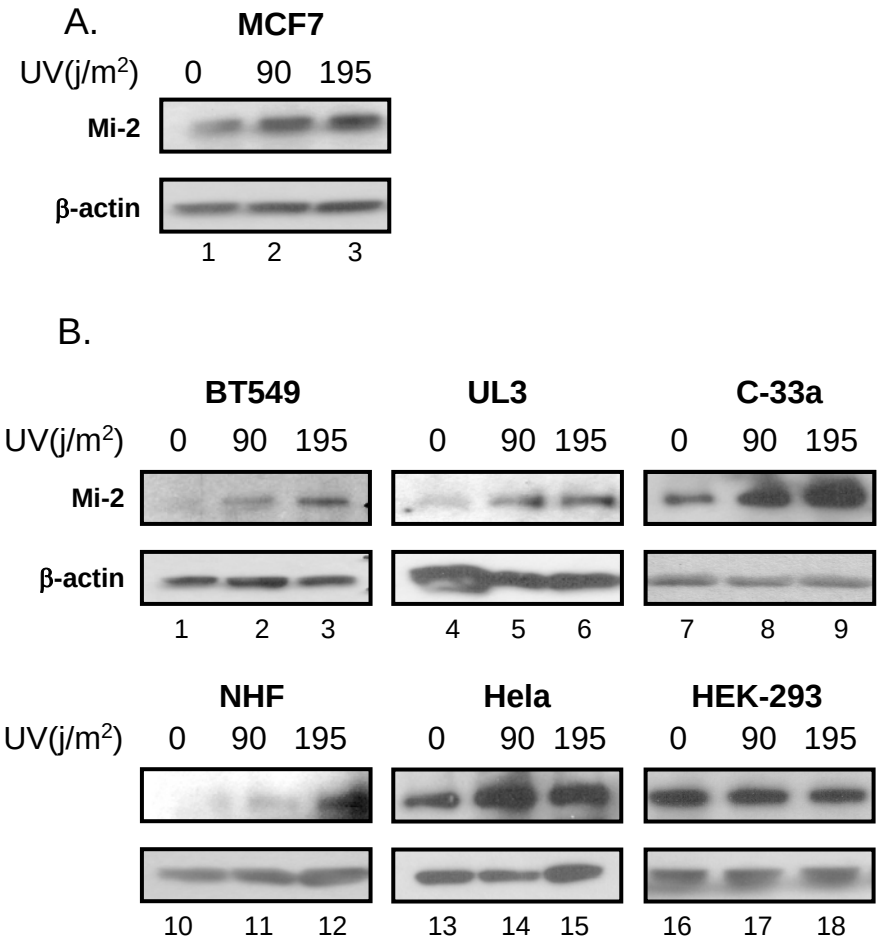
Supplemental Figure 2. Keratinocytes were mock treated with UV and then cell cycle anaylsis performed. Mock treatment induces a modest increase in cell cycle progession seen at 8 and 16 hours most likely caused by the addition of fresh media. However, these changes are distinct from the checkpoint initiated by UV treatment (Figure 2).

Supplemental Table 1

Real Time RT-PCR Primer Sets

TARGET	Primer Sequence
Mi-2β E22 F	TCGATGGTGGAATCACTGGGAACA
Mi-2β E23R	ATAACTGTGTCAGCAGTGGCCAGA
Mi-2α E27 F	AGGCAGCTCCGGAATGAGAAAGAT
Mi-2α E28 R	CAGCGCATCACAGCATTGAGGAAA
MTA3 E13 F	AATGCCCACCCAGTCAGAAGAAGA
MTA3 E13 R	ACTTTGGACTCCCAGTGTTTCGGA
MTA2 E10 F	AGTCACTTGCCAGCATAGTCCAGT
MTA2 E11 R	TTGCTGTCTGCTTCAGCAGCTTTC
MBD2 E1 F	AAGTGCTGGCAAGAGCGATGTCTA
MBD2 E2 R	TTTCCCAGGTACCTTGCCAACTGA
MBD3 E3 F	TCAAGCAGCCGGTGACCAAGATTA
MBD3 E4 R	TCTTGACCAGCTCCTCAGCAATGT
HDAC1 E3 F	ACATGTCGGAGTACAGCAAGCAGA
HDAC1 E4/5 R	TTGCCACAGAACCACCAGTAGACA
HDAC2 E2 F	CCGCATGACCCATAACTTGCTGTT
HDAC2 E3 R	TTTCTTCGGCAGTGGCTTTATGGG
RBAP46 E8 F	ACCGTAGCTTTATGGGATCTGCGT
RBAP46 E9 R	TTAAATCCCACACATTCAGGCGGC
Cox-2 E2 F	CAAATCCTTGCTGTTCCCACCCAT
Cox-2 E2 R	GTGCACTGTGTTTGGAGTGGGTTT
GAPDH E8 F	CCAGGTGGTCTCCTCTGACTTC
GAPDH E9 R	TCATACCAGGAAATGAGCTTGACA
CYPB1 F1	GGATAATTTTGTGGCCTTAGCTACA
CYPB1 R1	CCGCCCTGGATCATGAAGT

Supplemental Figure 1



Supplemental Figure 2