

Figure S2. Viability of MDA-MB-231 cells following the different treatments. Data are presented as the mean \pm standard deviation of three independent experiments.

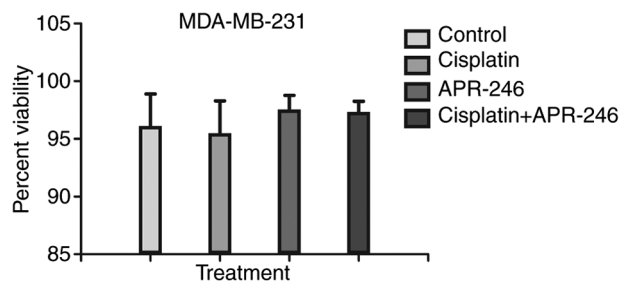


Table SI. TP53 DNA sequencing primer pairs.

S. No.	Oligo name	Forward	Reverse
1	hTP53_exon1_S(517)F	TTCCACCCCAAATGTTAGTATCTA	TCCCAACAATGCAACTCCTATGATG
2	hTP53_exon2+3_S(448)F	CACTGGCATGGTGTGGGGGAG	TGTAGATGGGTGAAAAGAGCAGTCA
3	hTP53_exon4_S(591)F	GGACTGACTTTCTGCTCTTGTCTTT	CAGAGATCACACATTAAGTGGGTAA
4	hTP53_exon5_S(472)F	CTCTCTAGCTCGCTAGTGGGT	CGAAAAGTGTTTCTGTCATCCAAAT
5	hTP53_exon6_S(396)F	GCCATGGCCATCTACAAGCA	TGGGGTTATAGGGAGGTCAAA
6	hTP53_exon7_S(352)F	ACAGGTCTCCCAAGG	AAACTGAGTGGGAGCAGTAAGGAGA
7	hTP53_exon8+9_S(499)F	GGACAAGGGTGGTTGGGAGTAGA	CCCAATTGCAGGTAAAACAGTCAAG
8	hTP53_exon10_S(421)F	CAGTTTCTACTAAATGCATGTTGCT	ATACACTGAGGCAAGAATGTGGTTA
9	hTP53_exon11_S(380)F	CATCTTGATTTGAATCCCGTTGT	CACCAGTGCAGGCCAACTTGTTTCAG

Table SII. p53-dependent DNA repair gene primer sequences.

Name of the primer	Sequence 5' to 3'
<i>Tp53</i>	
Forward	TGCGTGTGGAGTATTTGGATG
Reverse	TGGTACAGTCAGAGCCAACCTC
<i>MDM2</i>	
Forward	ACCACCTCACAGATTCCAGCTT
Reverse	GCACCAACAGACTTTAATAACTTCAA
<i>p21 (CDKN1A)</i>	
Forward	GGCAGACCAGCATGACAGATT
Reverse	GCGGATTAGGGCTTCCTCTT
<i>ATM</i>	
Forward	TGGATCCAGCTATTTGGTTTGA
Reverse	CCAAGTATGTAACCAACAATAGAAGA AGTAG
<i>BRCA1</i>	
Forward	CATGCTGAAACTTCTCAACCAGAA
Reverse	TGTAGGCTCCTTTTGGTTATATCATTC
<i>ATR</i>	
Forward	TGAAAGGGCATTCCAAAGCG
Reverse	CAATAGATAACGGCAGTCCTGTAC
<i>FOXO3</i>	
Forward	ACGGCTGACTGATATGGCAG
Reverse	CGTGATGTTATCCAGCAGGTC
<i>MSH2</i>	
Forward	AGTCAGAGCCCTTAACCTTTTTTC
Reverse	GAGAGGCTGCTTAATCCACTG
<i>BTG2</i>	
Forward	CCTGTGGGTGGACCCCTAT
Reverse	GGCTCCTCGTACAAGACG
<i>CDC25C</i>	
Forward	ATGACAATGGAACTTGGTGGAC
Reverse	GGAGCGATATAGGCCACTTCTG
<i>SESN2</i>	
Forward	CCTCTGGGCGAGTAGACAAC
Reverse	GGAGCCTACCAGGTAAGAACA
<i>SIAH1</i>	
Forward	ATGACTTGGCGAGTCTTTTTGA
Reverse	CTTTGGGCGACAGTTGCTAC
<i>PCNA</i>	
Forward	GCGTGAACCTCACCAGTATGT
Reverse	TCTTCGGCCCTTAGTGTAATGAT
<i>PTTG1</i>	
Forward	ACCCGTGTGGTTGCTAAGG
Reverse	ACGTGGTGTGAAACTTGAGAT
<i>TSCI</i>	
Forward	CAACAAGCAAATGTCGGGGAG
Reverse	CATAGGGCCACGGTCAGAA
<i>BRCA2</i>	
Forward	CATACAGTTAGCAGCGACAAAAA
Reverse	CAAGATGGCTGAAAGTCTGGAT
<i>MLH1</i>	
Forward	CTCTTCATCAACCATCGTCTGG
Reverse	GCAAATAGGCTGCATACACTGTT

Table SII. Continued.

Name of the primer	Sequence 5' to 3'
<i>XRCC5</i>	
Forward	GTGCGGTTCGGGAATAAGG
Reverse	GGGGATTCTATAACCAGGAATGGA
<i>PMS2</i>	
Forward	TTTGCCGACCTAACTCAGGTT
Reverse	CGATGCGTGGCAGGTAGAA
<i>FANCC</i>	
Forward	CTGCCATATCCGGGTTGTTG
Reverse	AGCACTGCGTAAACACCTGAA
<i>RRM2B</i>	
Forward	ATTGGGCCTTGCGATGGATAG
Reverse	GAGTCCTGGCATAAGACCTCT
<i>APEX1</i>	
Forward	GTTTCTTACGGCATAGGCGAT
Reverse	CACAAACGAGTCAAATTCAGCC