

**Supplemental Table 11 . Intersection with Genes Upregulated During DNA Damage and Repair.**

<u>Probe</u>	<u>Symbol</u>	<u>Description</u>	<u>P-value</u>	<u>Fold-Change</u>
ADXEC.31458.C1_at	POLN	polymerase (DNA directed) nu	0.02	4.91
ADXEC.31458.C1_x_at	POLN	polymerase (DNA directed) nu	0.03	3.63
ADXECNTDJ.3576_s_at	VCP	valosin-containing protein	0.01	3.24
ADXEC.31324.C1_at	MSH6	mutS homolog 6 (E. coli)	0.007	3.17
ADXEC.652.C3-a_s_at	RFC5	replication factor C (activator 1) 5 36.5kDa	0.002	3.03
ADXECADA.11237_at	PPP2R5C	PP2A B56 gamma gene	0.02	3.00
ADXEC.32186.C1_at	H2AFX	H2A histone family member X	0.006	2.88
ADXEC.554.C4_at	IDH3B	isocitrate dehydrogenase 3 (NAD) beta	0.02	2.86
ADXECADA.18168_at	CHAF1A	SH3-containing protein EEN and chromatin assemblyfactor-I p15	0.01	2.75
ADXEC.2392.C9_x_at	CHAF1A	SH3-containing protein EEN and chromatin assemblyfactor-I p15	0.04	2.02
ADXECAD.16653_s_at	BAZ1B	bromodomain adjacent to zinc finger domain 1B	0.02	2.73
ADXEC.27079.C1_at	RAD1	RAD1 homolog (S. pombe)	0.01	2.63
ADXEC.35016.C1_at	FANCC	Fanconi anemia complementation group C	0.003	2.55
ADXEC.488.C4_s_at	THOP1	thimet oligopeptidase 1	0.04	2.54
ADXEC.7744.C3_s_at	APITD1	apoptosis-inducing TAF9-like domain 1 (APITD1)	0.002	2.38
ADXEC.32186.C1_x_at	H2AFX	H2A histone family member X	0.02	2.36
ADXECRS.43632_s_at	WHSC1	Wolf-Hirschhorn syndrome candidate 1	0.006	2.32
ADXEC.1226.C2_x_at	TYMS	gene for thymidylate synthase	0.02	2.27
ADXEC.1226.C2_at	TYMS	gene for thymidylate synthase	0.01	2.24
ADXEC.20945.C1_at	BARD1	BRCA1 associated RING domain 1	0.03	2.24
ADXEC.34337.C1_at	XRCC3	XRCC3 DNA repair gene	0.05	2.16
ADXECAD.9122_s_at	XRCC3	XRCC3 DNA repair gene	0.04	1.95
ADXEC.6968.C1_at	APEX2	APEX nuclease (apurinic/aprimidinic endonuclease) 2	0.0007	2.13
ADXEC.2250.C1_at	PSMB7	proteasome (prosome macropain) subunit beta type 7	0.01	2.11
ADXECAD.16766_x_at	MRPL9	mitochondrial ribosomal protein L9	0.003	2.11
ADXECAD.16766_at	MRPL9	mitochondrial ribosomal protein L9	0.005	1.87
ADXEC.7491.C1_at	DNAJC9	DnaJ (Hsp40) homolog subfamily C member 9	0.05	2.05
ADXEC.7491.C1_x_at	DNAJC9	DnaJ (Hsp40) homolog subfamily C member 9	0.05	1.48
ADXECAD.23427_s_at	ATRX	alpha thalassemia/mental retardation syndrome X-linked	0.01	2.01
ADXEC.14089.C2_at	DIAPH1	diaphanous homolog 1 (Drosophila)	0.02	1.99
ADXEC.4049.C6_at	KHSRP	KH type splicing regulatory protein	0.04	1.93
ADXEC.4619.C1-a_s_at	FANCA	Fanconi anemia complementation group A	0.04	1.90

ADXECRS.33044_s_at	H2AFV	H2A histone family member V	0.05	1.89
ADXEC.224.C27_at	MDC1	mediator of DNA-damage checkpoint 1	0.01	1.84
ADXEC.224.C27_x_at	MDC1	mediator of DNA-damage checkpoint 1	0.03	1.79
ADXEC.4541.C1_s_at	TNPO3	transportin 3	0.0002	1.81
ADXEC.3547.C2-a_s_at	PARP1	poly (ADP-ribose) polymerase 1	0.02	1.73
ADXECAD.16674_at	ESCO1	establishment of cohesion 1 homolog 1 (S. cerevisiae)	0.04	1.72
ADXEC.1048.C1_x_at	POLE3	polymerase (DNA directed) epsilon 3 (p17 subunit)	0.02	1.72
ADXEC.2954.C1_at	SERP1	stress-associated endoplasmic reticulum protein 1	0.008	1.68
ADXECAD.6357_at	TTC5	tetratricopeptide repeat domain 5	0.03	1.65
ADXECRS.19560_s_at	BZW1	basic leucine zipper and W2 domains 1	0.02	1.64
ADXEC.703.C2_s_at	RAD23A	RAD23 homolog A (S. cerevisiae)	0.02	1.63
ADXEC.1324.C1_s_at	UBAP2L	ubiquitin associated protein 2-like	0.05	1.62
ADXEC.1.C3_s_at	DNMT1	DNA (cytosine-5-)-methyltransferase 1	0.006	1.60
ADXEC.1690.C5_s_at	GNB1	guanine nucleotide binding protein (G protein) beta	0.002	1.56
ADXECRS.4234_s_at	CAP1	CAP adenylate cyclase-associated protein 1 (yeast)	0.03	1.56
ADXEC.633.C1_x_at	WDR1	WD repeat domain 1	0.008	1.56
ADXECADA.18698_s_at	WDR1	WD repeat domain 1	0.03	1.49
ADXEC.13729.C1_s_at	DHX38	DEAH (Asp-Glu-Ala-His) box polypeptide 38	0.04	1.55
ADXECADA.13461_at	PPIE	Peptidylprolyl isomerase E (cyclophilin E)	0.03	1.53
ADXEC.8260.C2_s_at	CSNK1D	casein kinase 1 delta	0.05	1.52
ADXEC.719.C1_s_at	LMNB2	lamin B2	0.03	1.52
ADXEC.1114.C2-a_s_at	CAPZA1	capping protein (actin filament) muscle Z-line alpha	0.02	1.52
ADXEC.2206.C2_at	NDUFC1	NADH dehydrogenase (ubiquinone) 1 subcomplex unknown 1 6kDa	0.03	1.52
ADXEC.633.C1_at	WDR1	WD repeat domain 1	0.01	1.51
ADXEC.2291.C1_x_at	NDUFV2	NDUFV2 gene for 24-kDa subunit of complex I	0.02	1.51
ADXEC.8646.C1-a_s_at	SMNDC1	survival motor neuron domain containing 1	0.05	1.50
200041_s_at	BAT1	HLA-B associated transcript 1	0.02	1.48
ADXEC.7122.C1_at	AFG3L2	AFG3 ATPase family gene 3-like 2 (yeast)	0.02	1.47
ADXEC.65.C1_at	PPT1	palmitoyl-protein thioesterase 1	0.03	1.47
ADXECAD.20345_s_at	RAD23B	RAD23 homolog B	0.007	1.42
ADXOCEC.9935.C1_x_at	RAD9A	RAD9 homolog A (S. pombe)	0.05	1.38
ADXEC.22883.C2-a_s_at	G3BP2	GTPase activating protein (SH3 domain) binding protein	0.05	1.37
ADXEC.2424.C1_s_at	SERP1	stress-associated endoplasmic reticulum protein 1	0.01	1.32
ADXECNTDJ.6223_s_at	IFRD1	interferon-related developmental regulator 1	0.02	1.28
ADXEC.319.C15_s_at	EIF2S2	eukaryotic translation initiation factor 2 subunit 2	0.05	1.27