

Supplementary Table 6. Multidrug resistance-linked genes profiled*

Gene and function	Genbank account no.	Assay no.
ABC transporter		
<i>ABCA1</i>	NM_005502.2	Hs00194045_m1
<i>ABCA2</i>	NM_001606.3	Hs00242232_m1
<i>ABCA3</i>	NM_001089.1	Hs00184543_m1
<i>ABCA4</i>	NM_000350.2	Hs00184367_m1
<i>ABCA5</i>	NM_172232.1	Hs00363322_m1
<i>ABCA6</i>	NM_080284.2	Hs00365329_m1
<i>ABCA7</i>	NM_033308.1	Hs00185303_m1
<i>ABCA8</i>	NM_007168.2	Hs00200350_m1
<i>ABCA9</i>	NM_080283.3	Hs00329320_m1
<i>ABCA10</i>	NM_080282.2	Hs00365268_m1
<i>ABCA12</i>	NM_015657.3	Hs00292421_m1
<i>ABCA13</i>	NM_152701.2	Hs00541549_m1
<i>ABCB1</i>	NM_000927.3	Hs00184491_m1
<i>ABCB2</i>	NM_000593.5	Hs00388682_m1
<i>ABCB3</i>	NM_000544.3	Hs00241066_m1
<i>ABCB4</i>	NM_000443.3	Hs00240956_m1
<i>ABCB5</i>	NM_178559.3	Hs00698751_m1
<i>ABCB6</i>	NM_005689.1	Hs00180568_m1
<i>ABCB7</i>	NM_004299.3	Hs00188776_m1
<i>ABCB8</i>	NM_007188.2	Hs00185159_m1
<i>ABCB9</i>	NM_203444.1	Hs00608640_m1
<i>ABCB10</i>	NM_012089.1	Hs00429240_m1
<i>ABCB11</i>	NM_003742.2	Hs00184824_m1
<i>ABCC1</i>	NM_004996.2	Hs00219905_m1
<i>ABCC2</i>	NM_000392.1	Hs00166123_m1
<i>ABCC3</i>	NM_003786.2	Hs00358656_m1
<i>ABCC4</i>	NM_005845.2	Hs00195260_m1
<i>ABCC5</i>	NM_005688.2	Hs00981089_m1
<i>ABCC6</i>	NM_001171.2	Hs00184566_m1
<i>ABCC7</i>	NM_000492.3	Hs00357011_m1
<i>ABCC8</i>	NM_000352.2	Hs00165861_m1
<i>ABCC9</i>	NM_005691.2	Hs00245832_m1
<i>ABCC10</i>	NM_033450.2	Hs00375716_m1
<i>ABCC11</i>	NM_032583.3	Hs00261567_m1
<i>ABCC12</i>	NM_033226.2	Hs00264354_m1
<i>ABCD1</i>	NM_000033.2	Hs00163610_m1

<i>ABCD2</i>	NM_005164.2	Hs00193054_m1
<i>ABCD3</i>	NM_002858.2	Hs00161065_m1
<i>ABCD4</i>	NM_005050.1	Hs00245340_m1
<i>ABCE1</i>	NM_002940.2	Hs01003010_g1
<i>ABCF1</i>	NM_001090.2	Hs00153703_m1
<i>ABCF2</i>	NM_007189.1	Hs00606493_m1
<i>ABCF3</i>	NM_018358.1	Hs00217977_m1
<i>ABCG1</i>	NM_207174.1	Hs00245154_m1
<i>ABCG2</i>	NM_004827.2	Hs00184979_m1
<i>ABCG4</i>	NM_022169.3	Hs00223446_m1
<i>ABCG5</i>	NM_022436.2	Hs00223686_m1
<i>ABCG8</i>	NM_022437.2	Hs00223690_m1

Uptake transporter

<i>SLC1A4</i>	NM_003038.2	Hs00161719_m1
<i>SLC1A5</i>	NM_005628.1	Hs00194540_m1
<i>SLC2A5</i>	NM_003039.1	Hs00161720_m1
<i>SLC3A1</i>	NM_000341.2	Hs00165789_m1
<i>SLC3A2</i>	NM_002394.4	Hs00374243_m1
<i>SLC5A4</i>	NM_014227.1	Hs00429527_m1
<i>SLC5A6</i>	NM_021095.1	Hs00221573_m1
<i>SLC7A1</i>	NM_003045.3	Hs00161807_m1
<i>SLC7A2</i>	NM_003046.3	Hs00161809_m1
<i>SLC7A3</i>	NM_032803.4	Hs00364157_m1
<i>SLC7A5</i>	NM_003486.5	Hs00185826_m1
<i>SLC7A8</i>	NM_182728.1	Hs00794796_m1
<i>SLC7A9</i>	NM_014270.3	Hs00204638_m1
<i>SLC7A10</i>	NM_019849.1	Hs00219811_m1
<i>SLC7A11</i>	NM_014331.3	Hs00204928_m1
<i>SLC9A3R2</i>	NM_004785.3	Hs00191186_m1
<i>SLC10A1</i>	NM_003049.1	Hs00161820_m1
<i>SLC15A1</i>	NM_005073.1	Hs00192639_m1
<i>SLC15A2</i>	NM_021082.2	Hs00221539_m1

<i>SLC16A2</i>	NM_006517.2	Hs00185140_m1
<i>SLC16A3</i>	NM_004207.2	Hs00358829_m1
<i>SLC19A1</i>	NM_194255.1	Hs00161870_m1
<i>SLC19A2</i>	NM_006996.1	Hs00294767_m1
<i>SLC19A3</i>	NM_025243.3	Hs00375596_m1
<i>SLC22A1</i>	NM_153187.1	Hs00427550_m1
<i>SLC22A2</i>	NM_153191.1	Hs00533907_m1
<i>SLC25A5</i>	NM_001152.1	Hs00854499_g1
<i>SLC25A15</i>	NM_014252.2	Hs00274123_m1
<i>SLC25A30</i>	AK094133.1	Hs00416188_m1
<i>SLC28A1</i>	NM_004213.3	Hs00188418_m1
<i>SLC28A3</i>	NM_022127.1	Hs00223220_m1
<i>SLC29A1</i>	NM_004955.1	Hs00191940_m1
<i>SLC29A2</i>	NM_001532.2	Hs00155426_m1
<i>SLC31A1</i>	NM_001859.2	Hs00977268_g1
<i>SLC34A2</i>	NM_006424.2	Hs00197519_m1
<i>SLCO1B3</i>	NM_019844.2	Hs00251986_m1
<i>SLCO4A1</i>	NM_016354.3	Hs00249583_m1

Miscellaneous transporter

<i>ATP8B1</i>	NM_005603.3	Hs00194444_m1
<i>ATP7A</i>	NM_000052.3	Hs00163707_m1
<i>ATP7B</i>	NM_000053.2	Hs00163739_m1
<i>ATP6V0C</i>	NM_001694.2	Hs00798308_sH
<i>ATP1A1</i>	NM_000701.6	Hs00167556_m1
<i>ATP1B1</i>	NM_001677.3	Hs00426868_g1
<i>ATP1G1</i>	NM_001680.3	Hs00242345_m1
<i>KCNMA1</i>	NM_002247.2	Hs00266938_m1
<i>APOE</i>	NM_000041.2	Hs00171168_m1
<i>AQP7</i>	NM_001170.1	Hs00357359_m1
<i>AQP9</i>	NM_020980.2	Hs00175573_m1

Cell adhesion

<i>OCLN</i>	NM_002538.2	Hs00170162_m1
<i>ANXA1</i>	NM_000700.1	Hs00167549_m1
<i>ANXA4</i>	NM_001153.2	Hs00154040_m1

<i>CLDN1</i>	NM_021101.3	Hs00221623_m1
<i>CLDN16</i>	NM_006580.2	Hs00198134_m1
<i>CLDN2</i>	NM_020384.2	Hs00252666_s1
<i>CLDN3</i>	NM_001306.2	Hs00265816_s1
<i>CLDN4</i>	NM_001305.3	Hs00533616_s1
<i>CLDN5</i>	NM_003277.2	Hs00533949_s1
<i>CLDN7</i>	NM_001307.3	Hs00600772_m1
<i>CFL1</i>	NM_005507.2	Hs00830568_g1
<i>GJA1</i>	NM_000165.2	Hs00748445_s1
<i>CDH1</i>	NM_004360.2	Hs00170423_m1
<i>FN1</i>	NM_212474.1	Hs00365058_m1
<i>ITGB1</i>	NM_033666.1	Hs00559595_m1

Signal transduction

<i>MAP2K1</i>	NM_002755.2	Hs00605615_mH
<i>MAPK1</i>	NM_138957.2	Hs00177066_m1
<i>MAPK3</i>	NM_002746.2	Hs00385075_m1
<i>MAPK8</i>	NM_139046.1	Hs00177083_m1
<i>WNT1</i>	NM_005430.2	Hs00180529_m1
<i>BCR</i>	NM_004327.3	Hs00244716_m1
<i>CTNNA1</i>	NM_001903.2	Hs00426996_m1
<i>CTNNB1</i>	NM_001904.2	Hs00170025_m1
<i>F3</i>	NM_001993.2	Hs00175225_m1
<i>FZD1</i>	NM_003505.1	Hs00268943_s1
<i>CHUK</i>	NM_001278.3	Hs00989502_m1
<i>GPR177</i>	NM_024911.4	Hs00227727_m1
<i>MTMR11</i>	U78557.1	Hs00198609_m1
<i>OVCA2</i>	NM_080822.2	Hs00365563_g1
<i>PDGFRB</i>	NM_002609.3	Hs00182163_m1
<i>PIK3CA</i>	NM_006218.2	Hs00180679_m1
<i>PTEN</i>	NM_000314.4	Hs00829813_s1
<i>RHOD</i>	NM_014578.2	Hs00205854_m1
<i>SFN</i>	NM_006142.3	Hs00602835_s1
<i>TXNIP</i>	NM_006472.1	Hs00197750_m1
<i>FKBP1A</i>	NM_054014.1	Hs00356621_g1
<i>GBP1</i>	NM_002053.1	Hs00266717_m1
<i>IGF1R</i>	NM_000875.2	Hs00181385_m1
<i>INSR</i>	NM_000208.1	Hs00169631_m1
<i>ITGAE</i>	NM_002208.3	Hs00559580_m1
<i>NTRK2</i>	NM_006180.3	Hs00178811_m1
<i>S100A10</i>	NM_002966.2	Hs00237010_m1

Immune response

<i>CLU</i>	NM_203339.1	Hs00156548_m1
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<i>CCL2</i>	NM_002982.3	Hs00234140_m1
<i>IL6</i>	NM_000600.1	Hs00174131_m1

Metabolism: phase I reaction

<i>CYP1A2</i>	NM_000761.3	Hs00167927_m1
<i>CYP2A13;CYP2A6;CYP2A7</i>	NM_000762.4	Hs00711162_s1
<i>CYP2B6</i>	NM_000767.4	Hs00167937_g1
<i>CYP2C19;CYP2C8</i>	NM_000770.3	Hs00426387_m1
<i>CYP2C8</i>	M17398.1	Hs00258314_m1
<i>CYP2C9</i>	NM_000771.2	Hs00426397_m1
<i>CYP2D6</i>	NM_000106.4	Hs00164385_m1
<i>CYP2E1</i>	NM_000773.3	Hs00559368_m1
<i>CYP3A4</i>	NM_017460.3	Hs00604506_m1
<i>CYP3A5</i>	NM_000777.2	Hs00241417_m1
<i>AHR</i>	NM_001621.3	Hs00907314_m1
<i>AKR1C1;AKR1C2</i>	NM_001353.5	Hs00413886_m1

Metabolism: phase II reaction

<i>GPX1</i>	NM_201397.1	Hs00829989_gH
<i>GPX2</i>	NM_002083.2	Hs00702173_s1
<i>GPX3</i>	NM_002084.3	Hs00173566_m1
<i>GPX4</i>	NM_002085.3	Hs00157812_m1
<i>GSK3B</i>	NM_002093.2	Hs00275656_m1
<i>GSR</i>	NM_000637.2	Hs00167317_m1
<i>GSS</i>	NM_000178.2	Hs00609286_m1
<i>GSTA1</i>	NM_145740.2	Hs00275575_m1
<i>GSTA2</i>	NM_000846.3	Hs00747232_mH
<i>GSTA3</i>	NM_000847.3	Hs00374175_m1
<i>GSTA4</i>	NM_001512.2	Hs00155308_m1
<i>GSTA5</i>	NM_153699.1	Hs00604085_m1
<i>GSTK1</i>	NM_015917.1	Hs00210861_m1
<i>GSTM2</i>	NM_000848.2	Hs00265266_g1
<i>GSTM3</i>	NM_000849.3	Hs00168307_m1
<i>GSTM4</i>	NM_000850.3	Hs00426432_m1
<i>GSTM5</i>	NM_000851.2	Hs00757076_m1
<i>GSTO1</i>	NM_004832.1	Hs00818731_m1
<i>GSTP1</i>	NM_000852.2	Hs00168310_m1
<i>GSTT1</i>	NM_000853.1	Hs00184475_m1
<i>GSTT2</i>	NM_000854.2	Hs00168315_m1
<i>GSTZ1</i>	NM_145870.1	Hs00155313_m1
<i>GGT1</i>	NM_005265.2	Hs00359124_g1
<i>GLO1</i>	NM_006708.1	Hs00198702_m1
<i>HAGH</i>	NM_005326.4	Hs00193422_m1
<i>ASAH1</i>	NM_177924.1	Hs00602774_m1

<i>ASAH2</i>	NM_019893.1	Hs00184096_m1
<i>ASAH3</i>	NM_133492.1	Hs00370322_m1
<i>SGPP1</i>	NM_030791.2	Hs00229266_m1
<i>ATOX1</i>	NM_004045.3	Hs00602773_m1
<i>CCT8</i>	NM_006585.2	Hs00607229_mH
<i>COX7A2</i>	NM_001865.2	Hs01652418_m1
<i>DHFR</i>	NM_000791.3	Hs00758822_s1
<i>GART</i>	NM_175085.1	Hs00531926_m1
<i>PDK1</i>	NM_002610.3	Hs00176853_m1
<i>PSMA3</i>	NM_152132.1	Hs00541061_m1
<i>STARD4</i>	NM_139164.1	Hs00287823_m1
<i>TXN</i>	X77584.1	Hs00828652_m1
<i>UGCG</i>	NM_003358.1	Hs00234293_m1
<i>UBL5</i>	NM_024292.3	Hs00430663_g1
<i>UGT1A8; UBT1A7;</i> <i>UGT1A6; UGT1A5;</i> <i>UGT1A9; UGT1A4;</i> <i>UGT1A1; UGT1A3</i>	NM_019075.2	Hs00166592_m1

Transcription factor

<i>STAT1</i>	NM_007315.2	Hs00234829_m1
<i>STAT3</i>	NM_213662.1	Hs00374280_m1
<i>STAT5A</i>	NM_003152.2	Hs00559643_m1
<i>STAT5B</i>	NM_012448.3	Hs00560035_m1
<i>SP1</i>	NM_138473.2	Hs00412720_m1
<i>TCEAL4</i>	BC012296.1	Hs00227513_m1
<i>E2F1</i>	NM_005225.1	Hs00153451_m1
<i>NFKB1</i>	NM_003998.2	Hs00765730_m1
<i>NFKBIA</i>	NM_020529.1	Hs00153283_m1
<i>NR1H2</i>	NM_007121.3	Hs00173195_m1
<i>NR1H3</i>	NM_005693.1	Hs00172885_m1
<i>NR1H4</i>	NM_005123.1	Hs00231968_m1
<i>NR1I2</i>	NM_033013.1	Hs00243666_m1
<i>NR1I3</i>	NM_005122.2	Hs00231959_m1
<i>RXRβ</i>	NM_021976.3	Hs00232774_m1
<i>HIF1A</i>	NM_181054.1	Hs00936368_m1
<i>KLF1</i>	NM_006563.2	Hs00610592_m1

Translation

<i>RPL13A</i>	NM_012423.2	Hs01926559_g1
<i>RPL36</i>	NM_015414.3	Hs00762481_s1
<i>RPL41</i>	NM_021104.1	Hs00606029_g1
<i>NOLA2</i>	NM_017838.3	Hs00750357_s1

Growth factor

<i>VEGF</i>	NM_003376.4	Hs00900054_m1
<i>TGFA</i>	NM_003236.1	Hs00177401_m1
<i>TGFB1</i>	NM_000660.3	Hs99999918_m1
<i>EGFR</i>	NM_005228.3	Hs00193306_m1

Heat shock protein

<i>HSF1</i>	NM_005526.1	Hs00232134_m1
<i>HSP90AA1</i>	NM_005348.2	Hs00743767_sH
<i>HSPA5</i>	NM_005347.2	Hs999999174_m1
<i>HSPB1</i>	NM_001540.2	Hs00356629_g1
<i>HSPD1</i>	NM_199440.1	Hs01941522_u1
<i>HSPE1</i>	NM_002157.1	Hs01654720_g1
<i>HSPH1</i>	NM_006644.2	Hs00971475_m1

Extracellular matrix

<i>MMP2</i>	NM_004530.2	Hs00234422_m1
<i>MMP9</i>	NM_004994.2	Hs00234579_m1
<i>TIMP1</i>	NM_003254.2	Hs00171558_m1

Oncogene

<i>ABL1</i>	NM_005157.3	Hs00245445_m1
<i>AKT1</i>	NM_005163.2	Hs00178289_m1
<i>JUN</i>	NM_002228.3	Hs00277190_s1
<i>KIT</i>	NM_000222.1	Hs00174029_m1
<i>NRAS</i>	NM_002524.2	Hs00180035_m1
<i>RAF1</i>	NM_002880.2	Hs00234119_m1
<i>MYC</i>	NM_002467.3	Hs00153408_m1
<i>MDM2</i>	NM_002392.2	Hs00234753_m1
<i>RELA</i>	NM_021975.2	Hs00153294_m1
<i>FOS</i>	NM_005252.2	Hs00170630_m1
<i>ERBB2</i>	NM_004448.2	Hs00170433_m1
<i>ETS1</i>	NM_005238.2	Hs00428287_m1
<i>SRC</i>	NM_198291.1	Hs00178494_m1

Tumor suppressor

<i>APC</i>	NM_000038.3	Hs00181051_m1
<i>TP53</i>	NM_000546.2	Hs00153349_m1
<i>TP53BP2</i>	NM_005426.2	Hs00610488_m1
<i>TP73</i>	NM_005427.1	Hs00232088_m1
<i>RB1</i>	NM_000321.2	Hs00153108_m1

<i>BRCA1</i>	NM_007294.2	Hs00173237_m1
<i>BRCA2</i>	NM_000059.2	Hs00609060_m1
<i>DAPK1</i>	NM_004938.2	Hs00234489_m1

Cell cycle checkpoint

<i>ATR</i>	NM_001184.2	Hs00169878_m1
<i>ATM</i>	NM_138292.3	Hs00175892_m1
<i>CHEK1</i>	NM_001274.2	Hs00176236_m1
<i>CHEK2</i>	NM_145862.2	Hs00200485_m1
<i>HUS1</i>	NM_004507.2	Hs00189595_m1
<i>RAD1</i>	NM_133377.2	Hs00421891_g1
<i>RAD17</i>	NM_133338.1	Hs00607830_m1

Cell cycle

<i>CCND1</i>	NM_053056.2	Hs00277039_m1
<i>CDK4</i>	NM_000075.2	Hs00364847_m1
<i>CDKN1A</i>	NM_078467.1	Hs00355782_m1
<i>CDKN1B</i>	NM_004064.2	Hs00153277_m1
<i>CDKN2A</i>	NM_058195.2	Hs00233365_m1
<i>AURKA</i>	NM_003600.2	Hs00269212_m1
<i>CCNE1</i>	NM_001238.1	Hs00233356_m1
<i>CCNH</i>	NM_001239.2	Hs00236923_m1
<i>CDC40</i>	NM_015891.2	Hs00210705_m1
<i>CDC42</i>	NM_001791.3	Hs00854939_g1
<i>CDK2</i>	NM_052827.1	Hs00608082_m1
<i>CDK7</i>	NM_001799.2	Hs00387062_m1
<i>MKI67</i>	NM_002417.3	Hs00606991_m1
<i>MNAT1</i>	NM_002431.2	Hs00159207_m1

Apoptosis

<i>CIAPIN1</i>	NM_020313.2	Hs00220419_m1
<i>FADD</i>	NM_003824.2	Hs00538709_m1
<i>FAS</i>	NM_152871.1	Hs00236330_m1
<i>FASLG</i>	NM_000639.1	Hs00181225_m1
<i>APAF1</i>	NM_181861.1	Hs00559441_m1
<i>BAD</i>	NM_032989.1	Hs00188930_m1
<i>BAX</i>	NM_138761.2	Hs00180269_m1
<i>BCL2</i>	NM_000633.2	Hs00608023_m1
<i>CASP3</i>	NM_032991.2	Hs00234387_m1
<i>CASP8</i>	NM_033355.2	Hs01018151_m1
<i>CASP9</i>	NM_032996.1	Hs00609640_m1
<i>TRADD</i>	NM_003789.3	Hs00182558_m1
<i>TNF</i>	NM_000594.2	Hs00174128_m1

<i>TNFRSF10A</i>	NM_003844.2	Hs00269492_m1
<i>TNFSF10</i>	NM_003810.2	Hs00234356_m1
<i>TRAF1</i>	NM_005658.3	Hs00194639_m1
<i>BAG1</i>	NM_004323.3	Hs00185390_m1
<i>BAG3</i>	NM_004281.3	Hs00188713_m1
<i>BAG4</i>	NM_004874.2	Hs00362193_m1
<i>BID</i>	NM_197966.1	Hs00609632_m1
<i>BCL2A1</i>	NM_004049.2	Hs00187845_m1
<i>BCL2L1</i>	NM_138578.1	Hs00236329_m1
<i>BIRC2</i>	NM_001166.3	Hs00357350_m1
<i>BIRC3</i>	NM_182962.1	Hs00154109_m1
<i>BIRC4</i>	NM_001167.2	Hs00236913_m1
<i>BIRC5</i>	NM_001168.2	Hs00153353_m1
<i>BIRC6</i>	NM_016252.2	Hs00212288_m1
<i>BNIP3</i>	NM_004052.2	Hs00969291_m1
<i>BNIP3L</i>	NM_004331.2	Hs00188949_m1
<i>DIABLO</i>	NM_138930.2	Hs00219876_m1
<i>MCL1</i>	NM_021960.3	Hs00172036_m1
<i>BAK1</i>	NM_001188.3	Hs00832876_g1
<i>CFLAR</i>	NM_003879.3	Hs00153439_m1
<i>PDCD8</i>	NM_145812.1	Hs00377585_m1

Metallothionein

<i>MT1A</i>	NM_005946.2	Hs00831826_s1
<i>MT1B</i>	NM_005947.1	Hs00538861_m1
<i>MT1F</i>	NM_005949.1	Hs00744661_sH
<i>MT1H</i>	NM_005951.1	Hs00823168_g1
<i>MT1X</i>	NM_005952.2	Hs00745167_sH
<i>MT2A</i>	NM_005953.2	Hs02379661_g1
<i>MT3</i>	NM_005954.2	Hs00359394_g1
<i>MT4</i>	NM_032935.2	Hs00262914_m1

Cisplatin resistance

<i>CLPTM1L</i>	NM_030782.2	Hs00363947_m1
<i>CROP</i>	NM_006107.2	Hs00212659_m1

Multidrug resistance protein

<i>MVP</i>	NM_017458.2	Hs00245438_m1
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Nucleotide-excision repair

<i>ERCC1</i>	NM_001983.2	Hs00157415_m1
<i>ERCC2</i>	NM_000400.2	Hs00361161_m1

<i>ERCC3</i>	NM_000122.1	Hs00164475_m1
<i>ERCC4</i>	NM_005236.1	Hs00193342_m1
<i>ERCC5</i>	NM_000123.2	Hs00164482_m1
<i>ERCC6</i>	NM_000124.1	Hs00164491_m1
<i>ERCC8</i>	NM_000082.2	Hs00163958_m1
<i>RAD23A</i>	NM_005053.2	Hs00192541_m1
<i>RAD23B</i>	NM_002874.3	Hs00234102_m1
<i>XPA</i>	NM_000380.2	Hs00166045_m1
<i>XPC</i>	NM_004628.3	Hs00190295_m1

Base-excision repair

<i>MBD4</i>	NM_003925.1	Hs00187498_m1
<i>APEX1</i>	NM_080648.1	Hs00172396_m1
<i>APEX2</i>	NM_014481.2	Hs00205565_m1
<i>PARP2</i>	NM_005484.3	Hs00193931_m1
<i>POLB</i>	NM_002690.1	Hs00160263_m1
<i>MUTYH</i>	NM_012222.2	Hs00276113_m1
<i>OGG1</i>	NM_016819.2	Hs00213454_m1

Mismatch excision repair

<i>MLH1</i>	NM_000249.2	Hs00179866_m1
<i>MLH3</i>	NM_014381.2	Hs00271778_m1
<i>MSH2</i>	NM_000251.1	Hs00179887_m1
<i>MSH3</i>	NM_002439.2	Hs00267239_m1
<i>MSH6</i>	NM_000179.1	Hs00264721_m1

Double-strand break repair

<i>MRE11A</i>	NM_005590.3	Hs00271551_m1
<i>RAD50</i>	NM_133482.1	Hs00194871_m1
<i>XRCC1</i>	NM_006297.1	Hs00959834_m1
<i>XRCC2</i>	NM_005431.1	Hs00538799_m1
<i>XRCC3</i>	NM_005432.2	Hs00193725_m1
<i>XRCC4</i>	NM_022406.1	Hs00243327_m1
<i>XRCC5</i>	NM_021141.2	Hs00221707_m1
<i>XRCC6</i>	NM_001469.3	Hs01922652_g1

Protein repair

<i>SEPX1</i>	NM_016332.2	Hs00249482_m1
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Miscellaneous DNA repair

<i>PARP1</i>	NM_001618.2	Hs00242302_m1
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<i>TOP1</i>	NM_003286.2	Hs00243257_m1
<i>TOP2A</i>	NM_001067.2	Hs00172214_m1
<i>TOP2B</i>	NM_001068.2	Hs00172259_m1
<i>RAD18</i>	NM_020165.2	Hs00220119_m1
<i>RAD51</i>	NM_133487.1	Hs00153418_m1
<i>LIG4</i>	NM_206937.1	Hs00172455_m1
<i>MGMT</i>	NM_002412.2	Hs00172470_m1
<i>POLH</i>	NM_006502.1	Hs00197814_m1
<i>POLI</i>	NM_007195.1	Hs00200488_m1
<i>POLK</i>	NM_016218.1	Hs00211963_m1

Housekeeping gene

<i>18S</i>	NR_003286	Hs99999901_s1
<i>ACTB</i>	NM_001101.2	Hs99999903_m1

Function unknown

<i>C8orf33</i>	NM_023080.1	Hs00535769_m1
<i>EHBP1</i>	NM_015252.2	Hs00324154_m1
<i>LAMP1</i>	NM_005561.3	Hs00174766_m1
<i>LAMP2</i>	NM_013995.1	Hs00174474_m1
<i>TMEM109; MGC5508</i>	NM_024092.1	Hs00225418_m1
<i>TPRKB</i>	NM_016058.1	Hs00274981_m1
<i>UNQ501;MGC3205</i>	NM_198536.1	Hs00414441_m1
<i>UQCRQ</i>	NM_014402.4	Hs00429571_g1
<i>SIRT1</i>	NM_012238.3	Hs00202021_m1
<i>SIRT2</i>	NM_030593.1	Hs00247263_m1
<i>SIRT3</i>	NM_012239.4	Hs00202030_m1
<i>SIRT4</i>	NM_012240.1	Hs00202033_m1
<i>SIRT5</i>	NM_012241.2	Hs00202043_m1
<i>SIRT6</i>	NM_016539.1	Hs00213036_m1
<i>SIRT7</i>	NM_016538.1	Hs00213029_m1
<i>LBR</i>	NM_194442.1	Hs00172444_m1

* Gillet J-P, Gottesman MM, Calcagno AM, Ambudkar SV, Varma S, Rueda BR, Sood A, Ganapathi R, Seiden M, and Davidson B. Methods for prediction of clinical outcome to treatment of ovarian cancer patients. U.S. Provisional Patent Application No. 61/308,946, filed February 27, 2010. ABC = ATP-binding cassette