

Supplementary Table 2. Statistically significant genes with greater than tenfold decreased expression in MCF-7/ADR cells*

Probe set	Gene symbol	Parametric <i>P</i> †	FDR	Fold change	Description
209173_at	<i>AGR2</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-322.3	Anterior gradient homolog 2 (<i>Xenopus laevis</i>)
200633_at	<i>UBB</i>	1.30 x 10 ⁻⁰⁶	5.01 x 10 ⁻⁰⁵	-301.6	Ubiquitin B
205009_at	<i>TFF1</i>	5.00 x 10 ⁻⁰⁷	3.66 x 10 ⁻⁰⁵	-296.8	Trefoil factor 1
201131_s_at	<i>CDH1</i>	< 1 x 10 ⁻⁰⁷	< 1 x 10 ⁻⁰⁷	-288.6	Cadherin 1, type 1, E-cadherin (epithelial)
201650_at	<i>KRT19</i>	7.00 x 10 ⁻⁰⁷	4.25 x 10 ⁻⁰⁵	-272.7	Keratin 19
216231_s_at	<i>B2M</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-167.8	β2-Microglobulin
204351_at	<i>S100P</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-132.7	S100 calcium binding protein P
205225_at	<i>ESR1</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-126.0	Estrogen receptor 1
215001_s_at	<i>GLUL</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-112.5	Glutamate-ammonia ligase (glutamine synthetase)
219795_at	<i>SLC6A14</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-107.4	Solute carrier family 6 (amino acid transporter), member 14
201818_at	<i>LPCAT1</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-97.6	Lysophosphatidylcholine acyltransferase 1
210907_s_at	<i>PDCD10</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-92.0	Programmed cell death 10
202489_s_at	<i>FXVD3</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-89.1	FXVD domain containing ion transport regulator 3
205862_at	<i>GREB1</i>	9.00 x 10 ⁻⁰⁷	4.39 x 10 ⁻⁰⁵	-89.1	GREB1 protein
218435_at	<i>DNAJC15</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-81.7	DnaJ (Hsp40) homolog, subfamily C, member 15
209301_at	<i>CA2</i>	1.23 x 10 ⁻⁰⁵	0.0001553	-79.0	Carbonic anhydrase II
219197_s_at	<i>SCUBE2</i>	2.00 x 10 ⁻⁰⁶	6.07 x 10 ⁻⁰⁵	-71.8	Signal peptide, CUB domain, EGF-like 2
202291_s_at	<i>MGP</i>	2.00 x 10 ⁻⁰⁷	2.69 x 10 ⁻⁰⁵	-71.1	Matrix Gla protein
218966_at	<i>MYO5C</i>	1.00 x 10 ⁻⁰⁷	2.16 x 10 ⁻⁰⁵	-66.3	Myosin VC
201884_at	<i>CEACAM5</i>	8.00 x 10 ⁻⁰⁷	4.28 x 10 ⁻⁰⁵	-64.7	Carcinoembryonic antigen-related cell adhesion molecule 5
201565_s_at	<i>ID2</i>	2.00 x 10 ⁻⁰⁷	2.69 x 10 ⁻⁰⁵	-58.8	Inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
217388_s_at	<i>KYNU</i>	2.00 x 10 ⁻⁰⁷	2.69 x 10 ⁻⁰⁵	-55.3	Kynureninase (L-kynurenine hydrolase)
218729_at	<i>LXN</i>	2.00 x 10 ⁻⁰⁷	2.69 x 10 ⁻⁰⁵	-53.6	Latexin
207430_s_at	<i>MSMB</i>	5.00 x 10 ⁻⁰⁷	3.66 x 10 ⁻⁰⁵	-52.9	Microseminoprotein, β
213285_at	<i>TMEM30B</i>	3.00 x 10 ⁻⁰⁷	3.18 x 10 ⁻⁰⁵	-50.4	Transmembrane protein 30B

211379_x_at	<i>B3GALNT1</i>	4.00×10^{-07}	3.49×10^{-05}	-49.8	β -1,3- <i>N</i> -Acetylgalactosaminyltransferase 1 (globoside blood group)
211657_at	<i>CEACAM6</i>	2.00×10^{-07}	2.69×10^{-05}	-49.3	Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)
203397_s_at	<i>GALNT3</i>	5.00×10^{-07}	3.66×10^{-05}	-47.3	UDP- <i>N</i> -acetyl-alpha-D-galactosamine:polypeptide <i>N</i> -acetylgalactosaminyltransferase 3 (GalNac-T3)
205696_s_at	<i>GFRA1</i>	4.00×10^{-07}	3.49×10^{-05}	-47.0	GDNF family receptor α 1
209602_s_at	<i>GATA3</i>	3.89×10^{-05}	0.0002889	-44.9	GATA binding protein 3
203962_s_at	<i>NEBL</i>	2.00×10^{-07}	2.69×10^{-05}	-43.7	Nebulette
219121_s_at	<i>RBM35A</i>	3.00×10^{-07}	3.18×10^{-05}	-43.2	RNA binding motif protein 35A
218677_at	<i>S100A14</i>	3.00×10^{-07}	3.18×10^{-05}	-43.1	S100 calcium binding protein A14
210297_s_at	<i>MSMB</i>	2.00×10^{-07}	2.69×10^{-05}	-41.9	β -Microseminoprotein
209459_s_at	<i>ABAT</i>	6.40×10^{-06}	0.000108	-41.4	4-Aminobutyrate aminotransferase
204798_at	<i>MYB</i>	2.00×10^{-07}	2.69×10^{-05}	-40.8	V-myb myeloblastosis viral oncogene homolog (avian)
204105_s_at	<i>NRCAM</i>	3.00×10^{-07}	3.18×10^{-05}	-39.3	Neuronal cell adhesion molecule
202286_s_at	<i>TACSTD2</i>	1.70×10^{-06}	5.75×10^{-05}	-37.5	Tumor-associated calcium signal transducer 2
221841_s_at	<i>KLF4</i>	8.16×10^{-05}	0.0004329	-35.7	Kruppel-like factor 4 (gut)
204019_s_at	<i>SH3YL1</i>	5.13×10^{-05}	0.0003346	-35.4	SH3 domain containing, Ysc84-like 1 (<i>Saccharomyces cerevisiae</i>)
207886_s_at	<i>CALCR</i>	3.00×10^{-07}	3.18×10^{-05}	-35.3	Calcitonin receptor
203132_at	<i>RB1</i>	8.00×10^{-07}	4.28×10^{-05}	-34.0	Retinoblastoma 1
208650_s_at	<i>CD24</i>	3.54×10^{-05}	0.0002783	-33.1	CD24 molecule
202890_at	<i>MAP7</i>	5.00×10^{-07}	3.66×10^{-05}	-33.1	Microtubule-associated protein 7
215071_s_at	<i>HIST1H2A</i> <i>C</i>	6.20×10^{-06}	0.0001064	-32.6	Histone cluster 1, H2AC
209696_at	<i>FBP1</i>	1.90×10^{-06}	6.07×10^{-05}	-32.0	Fructose-1,6-bisphosphatase 1
220108_at	<i>GNA14</i>	3.00×10^{-07}	3.18×10^{-05}	-31.6	Guanine nucleotide binding protein (G protein), α 14
202437_s_at	<i>CYP1B1</i>	8.70×10^{-06}	0.000127	-31.1	Cytochrome P450, family 1, subfamily B, polypeptide 1
205239_at	<i>AREG</i>	8.00×10^{-07}	4.28×10^{-05}	-30.8	Amphiregulin
209603_at	<i>GATA3</i>	1.40×10^{-06}	5.16×10^{-05}	-29.6	GATA binding protein 3
214519_s_at	<i>RLN2</i>	5.00×10^{-07}	3.66×10^{-05}	-29.1	Relaxin 2
211352_s_at	<i>NCOA3</i>	7.48×10^{-05}	0.0004117	-28.2	Nuclear receptor coactivator 3

209591_s_at	<i>BMP7</i>	1.03 x 10 ⁻⁰⁵	0.0001418	-27.8	Bone morphogenetic protein 7
213568_at	<i>OSR2</i>	1.30 x 10 ⁻⁰⁶	5.01 x 10 ⁻⁰⁵	-27.5	Odd-skipped related 2 (<i>Drosophila</i>)
204667_at	<i>FOXA1</i>	5.60 x 10 ⁻⁰⁶	0.0001017	-26.6	Forkhead box A1
213245_at	<i>ADCY1</i>	2.16 x 10 ⁻⁰⁵	0.0002163	-26.1	Adenylate cyclase 1 (brain)
203757_s_at	<i>CEACAM6</i>	1.48 x 10 ⁻⁰⁵	0.0001729	-26.0	Carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)
209687_at	<i>CXCL12</i>	2.70 x 10 ⁻⁰⁶	6.82 x 10 ⁻⁰⁵	-26.0	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)
219090_at	<i>SLC24A3</i>	5.00 x 10 ⁻⁰⁷	3.66 x 10 ⁻⁰⁵	-26.0	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 3
209604_s_at	<i>GATA3</i>	6.10 x 10 ⁻⁰⁶	0.0001064	-25.9	GATA binding protein 3
219932_at	<i>SLC27A6</i>	1.20 x 10 ⁻⁰⁶	4.82 x 10 ⁻⁰⁵	-25.8	Solute carrier family 27 (fatty acid transporter), member 6
220613_s_at	<i>SYTL2</i>	1.00 x 10 ⁻⁰⁶	4.61 x 10 ⁻⁰⁵	-25.6	Synaptotagmin-like 2
200832_s_at	<i>SCD</i>	4.63 x 10 ⁻⁰⁵	0.00032	-25.3	Stearoyl-CoA desaturase (δ-9-desaturase)
201130_s_at	<i>CDH1</i>	5.97 x 10 ⁻⁰⁵	0.0003654	-24.9	Cadherin 1, type 1, E-cadherin (epithelial)
266_s_at	<i>CD24</i>	1.41 x 10 ⁻⁰⁵	0.0001699	-24.8	CD24 molecule
36499_at	<i>CELSR2</i>	1.37 x 10 ⁻⁰⁵	0.0001675	-24.5	Cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, <i>Drosophila</i>)
219648_at	<i>MREG</i>	.0001634	0.0006361	-24.4	Melanoregulin
221703_at	<i>BRIP1</i>	4.81 x 10 ⁻⁰⁵	0.0003237	-24.3	BRCA1 interacting protein C-terminal helicase 1
221024_s_at	<i>SLC2A10</i>	6.89 x 10 ⁻⁰⁵	0.0003945	-23.9	Solute carrier family 2 (facilitated glucose transporter), member 10
204686_at	<i>IRS1</i>	.0001063	0.0005023	-23.6	Insulin receptor substrate 1
221577_x_at	<i>GDF15</i>	1.20 x 10 ⁻⁰⁶	4.82 x 10 ⁻⁰⁵	-23.5	Growth differentiation factor 15
206385_s_at	<i>ANK3</i>	1.80 x 10 ⁻⁰⁶	5.85 x 10 ⁻⁰⁵	-23.1	Ankyrin 3, node of Ranvier (ankyrin G)
218280_x_at	<i>HIST2H2A A3</i>	9.00 x 10 ⁻⁰⁷	4.39 x 10 ⁻⁰⁵	-23.1	Histone cluster 2, H2AA3
201839_s_at	<i>EPCAM</i>	6.30 x 10 ⁻⁰⁵	0.0003736	-22.6	Epithelial cell adhesion molecule
211812_s_at	<i>B3GALNT1</i>	1.20 x 10 ⁻⁰⁶	4.82 x 10 ⁻⁰⁵	-22.5	β-1,3-N-Acetylgalactosaminyltransferase 1 (globoside blood group)
219077_s_at	<i>WWOX</i>	1.60 x 10 ⁻⁰⁶	5.65 x 10 ⁻⁰⁵	-22.4	WW domain containing oxidoreductase
209911_x_at	<i>HIST1H2B D</i>	1.20 x 10 ⁻⁰⁵	0.0001535	-22.4	Histone cluster 1, H2BD
211959_at	<i>IGFBP5</i>	4.35 x 10 ⁻⁰⁵	0.0003075	-22.3	Insulin-like growth factor binding protein 5
204554_at	<i>PPP1R3D</i>	7.60 x 10 ⁻⁰⁶	0.0001171	-21.9	Protein phosphatase 1, regulatory (inhibitor) subunit 3D

214433_s_at	<i>SELENBP1</i>	3.60 x 10 ⁻⁰⁶	7.69 x 10 ⁻⁰⁵	-21.7	Selenium binding protein 1
205413_at	<i>MPPED2</i>	2.10 x 10 ⁻⁰⁶	6.22 x 10 ⁻⁰⁵	-21.7	Metallophosphoesterase domain containing 2
207392_x_at	<i>UGT2B15</i>	1.60 x 10 ⁻⁰⁶	5.65 x 10 ⁻⁰⁵	-21.5	UDP glucuronosyltransferase 2 family, polypeptide B15
209460_at	<i>ABAT</i>	9.00 x 10 ⁻⁰⁷	4.39 x 10 ⁻⁰⁵	-21.4	4-Aminobutyrate aminotransferase
214290_s_at	<i>HIST2H2A A3</i>	3.60 x 10 ⁻⁰⁶	7.69 x 10 ⁻⁰⁵	-21.3	Histone cluster 2, H2AA3
218186_at	<i>RAB25</i>	1.07 x 10 ⁻⁰⁵	0.0001435	-21.1	RAB25, member RAS oncogene family
204112_s_at	<i>HNMT</i>	1.00 x 10 ⁻⁰⁶	4.61 x 10 ⁻⁰⁵	-21.0	Histamine N-methyltransferase
202708_s_at	<i>HIST2H2B E</i>	2.00 x 10 ⁻⁰⁶	6.07 x 10 ⁻⁰⁵	-20.6	Histone cluster 2, H2BE
201566_x_at	<i>ID2</i>	1.21 x 10 ⁻⁰⁵	0.0001544	-20.4	Inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
203961_at	<i>NEBL</i>	2.20 x 10 ⁻⁰⁶	6.26 x 10 ⁻⁰⁵	-20.3	Nebulette
212148_at	<i>PBX1</i>	1.80 x 10 ⁻⁰⁶	5.85 x 10 ⁻⁰⁵	-20.2	Pre-B-cell leukemia homeobox 1
200670_at	<i>XBP1</i>	8.00 x 10 ⁻⁰⁷	4.28 x 10 ⁻⁰⁵	-20.0	X-box binding protein 1
204029_at	<i>CELSR2</i>	1.10 x 10 ⁻⁰⁶	4.68 x 10 ⁻⁰⁵	-20.0	Cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, <i>Drosophila</i>)
204542_at	<i>ST6GALN AC2</i>	9.90 x 10 ⁻⁰⁶	0.0001396	-19.9	ST6 (α -N-acetyl-neuraminy-2,3- β -galactosyl-1,3)-N-acetylgalactosaminide α -2,6-sialyltransferase 2
218170_at	<i>ISOC1</i>	8.96 x 10 ⁻⁰⁵	0.0004531	-19.8	Isochorismatase domain containing 1
203953_s_at	<i>CLDN3</i>	2.98 x 10 ⁻⁰⁵	0.0002526	-19.3	Claudin 3
207700_s_at	<i>NCOA3</i>	5.93 x 10 ⁻⁰⁵	0.0003643	-19.2	Nuclear receptor coactivator 3
210319_x_at	<i>MSX2</i>	7.00 x 10 ⁻⁰⁷	4.25 x 10 ⁻⁰⁵	-19.1	Msh homeobox 2
202089_s_at	<i>SLC39A6</i>	3.63 x 10 ⁻⁰⁵	0.0002814	-19.1	Solute carrier family 39 (zinc transporter), member 6
210663_s_at	<i>KYNU</i>	1.20 x 10 ⁻⁰⁶	4.82 x 10 ⁻⁰⁵	-18.7	Kynureninase (L-kynurenine hydrolase)
203343_at	<i>UGDH</i>	1.40 x 10 ⁻⁰⁵	0.0001699	-18.7	UDP-glucose dehydrogenase
200648_s_at	<i>GLUL</i>	5.00 x 10 ⁻⁰⁶	9.28 x 10 ⁻⁰⁵	-18.6	Glutamate-ammonia ligase (glutamine synthetase)
209061_at	<i>NCOA3</i>	.0003297	0.0009448	-18.4	Nuclear receptor coactivator 3
202435_s_at	<i>CYP1B1</i>	3.71 x 10 ⁻⁰⁵	0.0002845	-18.2	Cytochrome P450, family 1, subfamily B, polypeptide 1
218559_s_at	<i>MAFB</i>	4.50 x 10 ⁻⁰⁶	8.61 x 10 ⁻⁰⁵	-18.1	V-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)
201627_s_at	<i>INSIG1</i>	4.76 x 10 ⁻⁰⁵	0.0003234	-18.0	Insulin induced gene 1
211708_s_at	<i>SCD</i>	3.80 x 10 ⁻⁰⁶	7.72 x 10 ⁻⁰⁵	-17.8	Stearoyl-CoA desaturase (δ 9-desaturase)

212057_at	<i>KIAA0182</i>	0.0002871	0.0008725	-17.8	Kiaa0182
209487_at	<i>RBPMS</i>	1.50×10^{-06}	5.45×10^{-05}	-17.6	RNA binding protein with multiple splicing
210652_s_at	<i>TTC39A</i>	1.71×10^{-05}	0.0001883	-17.5	Tetratricopeptide repeat domain 39A
204623_at	<i>TFF3</i>	3.46×10^{-05}	0.0002733	-17.2	Trefoil factor 3 (intestinal)
212096_s_at	<i>MTUS1</i>	1.00×10^{-06}	4.61×10^{-05}	-16.8	Mitochondrial tumor suppressor 1
202376_at	<i>SERPINA3</i>	.0005709	0.0013638	-16.6	Serpin peptidase inhibitor, clade A (α 1 antiproteinase, antitrypsin), member 3
218035_s_at	<i>RBM47</i>	2.20×10^{-06}	6.26×10^{-05}	-16.4	RNA binding motif protein 47
211712_s_at	<i>ANXA9</i>	2.20×10^{-06}	6.26×10^{-05}	-16.0	Annexin A9
220488_s_at	<i>BCAS3</i>	1.10×10^{-06}	4.68×10^{-05}	-15.9	Breast carcinoma amplified sequence 3
221728_x_at	<i>XIST</i>	7.40×10^{-06}	0.0001165	-15.5	X (inactive)-specific transcript (non-protein coding)
205286_at	<i>TFAP2C</i>	3.70×10^{-06}	7.70×10^{-05}	-15.4	Transcription factor AP-2 γ (activating enhancer binding protein 2 γ)
201855_s_at	<i>ATMIN</i>	3.07×10^{-05}	0.0002546	-15.3	ATM interactor
215073_s_at	<i>NR2F2</i>	9.01×10^{-05}	0.0004533	-15.2	Nuclear receptor subfamily 2, group F, member 2
211421_s_at	<i>RET</i>	2.40×10^{-06}	6.42×10^{-05}	-15.2	Ret proto-oncogene
206373_at	<i>ZIC1</i>	1.70×10^{-06}	5.75×10^{-05}	-15.1	ZIC family member 1 (odd-paired homolog, <i>Drosophila</i>)
206115_at	<i>EGR3</i>	7.00×10^{-06}	0.000112	-15.1	Early growth response 3
219127_at	<i>ATAD4</i>	3.80×10^{-06}	7.72×10^{-05}	-15.1	ATPase family, AAA domain containing 4
202436_s_at	<i>CYP1B1</i>	2.32×10^{-05}	0.0002255	-15.0	Cytochrome P450, family 1, subfamily B, polypeptide 1
206110_at	<i>HIST1H3H</i>	5.30×10^{-06}	9.70×10^{-05}	-15.0	Histone cluster 1, H3H
220266_s_at	<i>KLF4</i>	6.20×10^{-06}	0.0001064	-14.9	Kruppel-like factor 4 (gut)
202743_at	<i>PIK3R3</i>	2.99×10^{-05}	0.0002526	-14.9	Phosphoinositide-3-kinase, regulatory subunit 3 (γ)
222108_at	<i>AMIGO2</i>	3.28×10^{-05}	0.000265	-14.9	Adhesion molecule with Ig-like domain 2
210372_s_at	<i>TPD52L1</i>	1.70×10^{-06}	5.75×10^{-05}	-14.9	Tumor protein D52-like 1
209060_x_at	<i>NCOA3</i>	1.17×10^{-05}	0.0001512	-14.8	Nuclear receptor coactivator 3
214079_at	<i>DHRS2</i>	3.60×10^{-06}	7.69×10^{-05}	-14.5	Dehydrogenase/reductase (SDR family) member 2
204797_s_at	<i>EML1</i>	1.35×10^{-05}	0.0001659	-14.4	Echinoderm microtubule associated protein like 1
205709_s_at	<i>CDS1</i>	1.30×10^{-06}	5.01×10^{-05}	-14.3	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1
202631_s_at	<i>APPBP2</i>	5.28×10^{-05}	0.0003408	-14.3	Amyloid β precursor protein (cytoplasmic tail) binding protein 2

220486_x_at	<i>LOC100130886</i>	4.73 x 10 ⁻⁰⁵	0.000322	-14.2	Hypothetical protein LOC100130886
219816_s_at	<i>RBM23</i>	3.02 x 10 ⁻⁰⁵	0.000253	-14.2	RNA binding motif protein 23
216379_x_at	<i>CD24</i>	1.90 x 10 ⁻⁰⁶	6.07 x 10 ⁻⁰⁵	-14.1	CD24 molecule
205590_at	<i>RASGRP1</i>	2.98 x 10 ⁻⁰⁵	0.0002526	-14.1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)
57588_at	<i>SLC24A3</i>	3.80 x 10 ⁻⁰⁶	7.72 x 10 ⁻⁰⁵	-14.0	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 3
210387_at	<i>HIST1H2BG</i>	6.70 x 10 ⁻⁰⁶	0.0001097	-14.0	Histone cluster 1, H2BG
204976_s_at	<i>AMMECR1</i>	.0002584	0.0008226	-13.9	Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region gene 1
219743_at	<i>HEY2</i>	5.90 x 10 ⁻⁰⁶	0.0001049	-13.9	Hairy/enhancer-of-split related with YRPW motif 2
204952_at	<i>LYPD3</i>	8.60 x 10 ⁻⁰⁶	0.000127	-13.8	LY6/PLAUR domain containing 3
219288_at	<i>C3orf14</i>	1.62 x 10 ⁻⁰⁵	0.0001832	-13.6	Chromosome 3 open reading frame 14
220945_x_at	<i>MANSC1</i>	2.16 x 10 ⁻⁰⁵	0.0002163	-13.6	MANSC domain containing 1
204404_at	<i>SLC12A2</i>	2.00 x 10 ⁻⁰⁶	6.07 x 10 ⁻⁰⁵	-13.4	Solute carrier family 12 (sodium/potassium/chloride transporters), member 2
218976_at	<i>DNAJC12</i>	2.40 x 10 ⁻⁰⁶	6.42 x 10 ⁻⁰⁵	-13.3	DnaJ (Hsp40) homolog, subfamily C, member 12
212056_at	<i>KIAA0182</i>	6.20 x 10 ⁻⁰⁶	0.0001064	-13.2	Kiaa0182
221081_s_at	<i>DENND2D</i>	1.02 x 10 ⁻⁰⁵	0.0001418	-13.1	DENN/MADD domain containing 2D
214633_at	<i>SOX3</i>	2.20 x 10 ⁻⁰⁶	6.26 x 10 ⁻⁰⁵	-13.0	SRY (sex determining region Y) box 3
218195_at	<i>C6orf211</i>	.0005249	0.0012835	-13.0	Chromosome 6 open reading frame 211
209772_s_at	<i>CD24</i>	3.40 x 10 ⁻⁰⁶	7.62 x 10 ⁻⁰⁵	-12.9	CD24 molecule
205928_at	<i>ZNF443</i>	1.60 x 10 ⁻⁰⁶	5.65 x 10 ⁻⁰⁵	-12.8	Zinc finger protein 443
217202_s_at	<i>GLUL</i>	1.99 x 10 ⁻⁰⁵	0.000208	-12.8	Glutamate-ammonia ligase (glutamine synthetase)
204332_s_at	<i>AGA</i>	1.70 x 10 ⁻⁰⁶	5.75 x 10 ⁻⁰⁵	-12.7	Aspartylglucosaminidase
202160_at	<i>CREBBP</i>	.0008206	0.0017121	-12.7	CREB binding protein
203788_s_at	<i>SEMA3C</i>	2.75 x 10 ⁻⁰⁵	0.0002452	-12.6	Sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C
217983_s_at	<i>RNASET2</i>	1.04 x 10 ⁻⁰⁵	0.0001418	-12.6	Ribonuclease T2
220038_at	<i>SGK3</i>	.0001013	0.000488	-12.5	Serum/glucocorticoid regulated kinase family, member 3
204595_s_at	<i>STC1</i>	2.30 x 10 ⁻⁰⁶	6.36 x 10 ⁻⁰⁵	-12.4	Stanniocalcin 1

219388_at	<i>GRHL2</i>	8.83 x 10 ⁻⁰⁵	0.0004479	-12.4	Grainyhead-like 2 (<i>Drosophila</i>)
205326_at	<i>RAMP3</i>	.0001049	0.0004981	-12.3	Receptor (G protein-coupled) activity modifying protein 3
203780_at	<i>MPZL2</i>	2.90 x 10 ⁻⁰⁶	7.07 x 10 ⁻⁰⁵	-12.2	Myelin protein zero-like 2
208651_x_at	<i>CD24</i>	3.20 x 10 ⁻⁰⁶	7.51 x 10 ⁻⁰⁵	-12.2	CD24 molecule
205380_at	<i>PDZK1</i>	2.10 x 10 ⁻⁰⁶	6.22 x 10 ⁻⁰⁵	-12.1	PDZ domain containing 1
208180_s_at	<i>HIST1H4H</i>	2.50 x 10 ⁻⁰⁶	6.48 x 10 ⁻⁰⁵	-12.1	Histone cluster 1, H4H
208051_s_at	<i>PAIP1</i>	.000132	0.0005712	-12.1	Poly(A) binding protein interacting protein 1
218807_at	<i>VAV3</i>	4.90 x 10 ⁻⁰⁵	0.0003264	-12.1	Vav 3 guanine nucleotide exchange factor
211162_x_at	<i>SCD</i>	1.86 x 10 ⁻⁰⁵	0.0001986	-12.0	Stearoyl-CoA desaturase (δ-9-desaturase)
219734_at	<i>SIDT1</i>	1.19 x 10 ⁻⁰⁵	0.000153	-11.9	SID1 transmembrane family, member 1
204957_at	<i>ORC5L</i>	.0002948	0.0008842	-11.9	Origin recognition complex, subunit 5-like (yeast)
219015_s_at	<i>ALG13</i>	1.23 x 10 ⁻⁰⁵	0.0001553	-11.9	Asparagine-linked glycosylation 13 homolog (<i>S. cerevisiae</i>)
204143_s_at	<i>ENOSF1</i>	2.80 x 10 ⁻⁰⁶	6.97 x 10 ⁻⁰⁵	-11.8	Enolase superfamily member 1
203269_at	<i>NSMAF</i>	.0003505	0.0009848	-11.8	Neutral sphingomyelinase (N-smase) activation associated factor
218806_s_at	<i>VAV3</i>	3.50 x 10 ⁻⁰⁶	7.64 x 10 ⁻⁰⁵	-11.8	Vav 3 guanine nucleotide exchange factor
213131_at	<i>OLFM1</i>	2.73 x 10 ⁻⁰⁵	0.0002452	-11.7	Olfactomedin 1
40560_at	<i>TBX2</i>	9.21 x 10 ⁻⁰⁵	0.0004597	-11.7	T-box 2
205440_s_at	<i>NPY1R</i>	5.82 x 10 ⁻⁰⁵	0.0003593	-11.7	Neuropeptide Y receptor Y1
206059_at	<i>ZNF91</i>	4.84 x 10 ⁻⁰⁵	0.0003237	-11.7	Zinc finger protein 91
212240_s_at	<i>PIK3R1</i>	3.40 x 10 ⁻⁰⁶	7.62 x 10 ⁻⁰⁵	-11.7	Phosphoinositide-3-kinase, regulatory subunit 1 (α)
209488_s_at	<i>RBPMS</i>	5.60 x 10 ⁻⁰⁶	0.0001017	-11.5	RNA binding protein with multiple splicing
201626_at	<i>INSIG1</i>	5.99 x 10 ⁻⁰⁵	0.0003657	-11.5	Insulin induced gene 1
204014_at	<i>DUSP4</i>	7.50 x 10 ⁻⁰⁶	0.000117	-11.4	Dual specificity phosphatase 4
209771_x_at	<i>CD24</i>	2.70 x 10 ⁻⁰⁶	6.82 x 10 ⁻⁰⁵	-11.3	CD24 molecule
203231_s_at	<i>ATXN1</i>	.000186	0.0006856	-11.2	Ataxin 1
212726_at	<i>PHF2</i>	2.50 x 10 ⁻⁰⁶	6.48 x 10 ⁻⁰⁵	-11.2	PHD finger protein 2
205034_at	<i>CCNE2</i>	.0001882	0.0006906	-11.1	Cyclin E2
207847_s_at	<i>MUC1</i>	2.90 x 10 ⁻⁰⁶	7.07 x 10 ⁻⁰⁵	-11.0	Mucin 1, cell surface associated

203543_s_at	<i>KLF9</i>	7.00 x 10 ⁻⁰⁶	0.000112	-10.9	Kruppel-like factor 9
208579_x_at	<i>H2BFS</i>	6.50 x 10 ⁻⁰⁶	0.0001089	-10.9	H2B histone family, member S
212510_at	<i>GPD1L</i>	2.25 x 10 ⁻⁰⁵	0.0002221	-10.9	Glycerol-3-phosphate dehydrogenase 1-like
209681_at	<i>SLC19A2</i>	.0001905	0.0006968	-10.8	Solute carrier family 19 (thiamine transporter), member 2
218036_x_at	<i>NMD3</i>	3.50 x 10 ⁻⁰⁶	7.64 x 10 ⁻⁰⁵	-10.8	NMD3 homolog (<i>S. cerevisiae</i>)
208096_s_at	<i>COL21A1</i>	4.07 x 10 ⁻⁰⁵	0.0002965	-10.8	Collagen, type XXI, α 1
203372_s_at	<i>SOCS2</i>	3.20 x 10 ⁻⁰⁶	7.51 x 10 ⁻⁰⁵	-10.8	Suppressor of cytokine signaling 2
202790_at	<i>CLDN7</i>	1.45 x 10 ⁻⁰⁵	0.000171	-10.8	Claudin 7
218439_s_at	<i>COMMD10</i>	4.45 x 10 ⁻⁰⁵	0.000312	-10.7	COMM domain containing 10
209806_at	<i>HIST1H2BK</i>	2.39 x 10 ⁻⁰⁵	0.0002305	-10.7	Histone cluster 1, H2BK
221802_s_at	<i>KIAA1598</i>	.0001262	0.0005572	-10.6	Kiaa1598
209699_x_at	<i>AKR1C2</i>	3.70 x 10 ⁻⁰⁶	7.70 x 10 ⁻⁰⁵	-10.5	Aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3- α hydroxysteroid dehydrogenase, type III)
204385_at	<i>KYNU</i>	3.10 x 10 ⁻⁰⁶	7.35 x 10 ⁻⁰⁵	-10.5	Kynureninase (L-kynurenine hydrolase)
209590_at	<i>BMP7</i>	1.67 x 10 ⁻⁰⁵	0.0001855	-10.5	Bone morphogenetic protein 7
211814_s_at	<i>CCNE2</i>	5.06 x 10 ⁻⁰⁵	0.0003326	-10.4	Cyclin E2
218149_s_at	<i>ZNF395</i>	.0001241	0.0005533	-10.4	Zinc finger protein 395
213024_at	<i>TMF1</i>	.000103	0.0004942	-10.4	TATA element modulatory factor 1
209291_at	<i>ID4</i>	3.10 x 10 ⁻⁰⁶	7.35 x 10 ⁻⁰⁵	-10.3	Inhibitor of DNA binding 4, dominant negative helix-loop-helix protein
203038_at	<i>PTPRK</i>	.0007959	0.0016828	-10.2	Protein tyrosine phosphatase, receptor type, K
221874_at	<i>KIAA1324</i>	4.30 x 10 ⁻⁰⁶	8.36 x 10 ⁻⁰⁵	-10.2	Kiaa1324
218211_s_at	<i>MLPH</i>	3.60 x 10 ⁻⁰⁶	7.69 x 10 ⁻⁰⁵	-10.2	Melanophilin
219990_at	<i>E2F8</i>	.0003187	0.0009256	-10.2	E2F transcription factor 8
211212_s_at	<i>ORC5L</i>	3.80 x 10 ⁻⁰⁶	7.72 x 10 ⁻⁰⁵	-10.1	Origin recognition complex, subunit 5-like (yeast)
220581_at	<i>C6orf97</i>	1.01 x 10 ⁻⁰⁵	0.0001412	-10.0	Chromosome 6 open reading frame 97

*FDR = false discovery rate; FXYD = FXYD domain-containing ion transport regulator; HSP = heat shock protein; CUB = complement C1r/C1s, sea urchin gene uEGF product (Uegf), bone morphogenetic protein 1 (Bmp1); EGF = epidermal growth factor; GDNF = glial cell line-derived neurotrophic factor; LAG = laminin G; ST6 = sialyltransferase 6; ZIC = zinc finger

protein of the cerebellum; SDR = short chain dehydrogenase/reductase; DAG = dystrophin-associated glycoprotein; LY6/PLAUR = lymphocyte antigen/plasminogen activator, urokinase receptor; MANSC domain= a seven-cysteine-containing domain; DENN/MADD = MAP-kinase activating death domain; CREB = cAMP responsive element binding protein; PDZ = this is a common structural domain of 80-90 amino acids and it is an acronym combining the first letters of three proteins--post synaptic density protein (PSD95), Drosophila disc large tumor suppressor (DlgA), and zonula occludens-1 protein (zo-1); PHD = plant homeodomain; COMM = copper metabolism gene *MURR1*.

† Two-sample *t* test (with random variance model) was used to discriminate between the MCF-7 and MCF-7/ADR cells. Univariate test random variance model parameters were as follows: $a = 1.68165$; $b = 14.3422$; and Kolmogorov–Smirnov statistic = 0.03998. Nominal statistical significance level of each univariate test was .001. All statistical tests were two-sided.