SUPPLEMENTARY DATA

Yuan et al. 2012. Drug-Targeted Inhibition of Peroxisome Proliferator-Activated Receptor-gamma Enhances the Chemopreventive Effect of Anti-Estrogen Therapy

Table S1. Tumor histopathology. Mice were fed standard rodent chow or chow supplemented with 0.1% GW9662 beginning one day after the last dose of DMBA. The number of tumors and the percentage of each histotype is indicated. The was a significant difference between GW9662-treated animals vs. fulvestrant (P =0.0333), but not between GW9662-treated animals vs.control. (P =0.0867). There was no significant difference between control vs. fulvestrant. Statistical analysis was by Fisher's Exact test. There was an insufficient number of tumor-bearing animals treated with GW9662 and fulvestrant for statistical analysis.

Tumor Histology	Control	GW9662	Fulvestrant	GW9662+Fulv
Adenocarcinoma	5 (50%)	9 (90%)	4 (40%)	1 (100%)
Adenosquamous/Squamous	1 (10%)	1 (10%)	2 (20%)	0
Myoepithelial	4 (40%)	0	4 (40%)	0

Table S2. Gene expression in adenocarcinomas from control and GW9662-treated wild-type mice.
Animals were maintained on a diet containing 0.1% GW9662 beginning one day after the last dose of DMBA as described in Fig. 1. Shown are genes whose raw values were ≥300 and changed ≥2.5-fold in GW9662-treated animals vs. control mice.

			Raw Value	
Gene symbol	**Gene Title**	**Fold Change**	**Control**	**GW9662**
Ces3	carboxylesterase 3	-105.7	2733	25
Tmem45b	transmembrane protein 45b	-89.3	3775	42
Gys2	glycogen synthase 2	-74.7	558	7
Lep	leptin	-74.7	1231	16
Adrb3	adrenergic receptor, beta 3	-69.3	644	9
Csn1s2a	casein alpha s2-like A	-69.0	8326	583
Cidec	cell death-inducing DFFA-like effector c	-60.6	2171	36
Aqp7	aquaporin 7	-55.6	3523	63
Mrap	melanocortin 2 receptor accessory protein	-55.5	699	13
Pnpla3	patatin-like phospholipase domain containing 3	-53.9	1301	24
Cox8b	cytochrome c oxidase, subunit VIIIb	-51.0	1324	26
Amy1	amylase 1, salivary	-45.1	1721	38
Cyp2e1	cytochrome P450, family 2, subfamily e, polypeptide 1	-44.3	5209	118
Slc7a10	solute carrier family 7 (cationic amino acid transporter, y+ system), member 10	-43.9	560	13
Pck1	phosphoenolpyruvate carboxykinase 1, cytosolic	-43.9	3071	70
Wap	whey acidic protein	-43.7	7058	161
Sycp3	synaptonemal complex protein 3	-43.7	1954	45
Retn	resistin	-35.7	10637	298
Orm1	orosomucoid 1	-34.5	1083	31
Rbp4	retinol binding protein 4, plasma	-33.9	3187	94
Plin4	perilipin 4	-33.4	3181	95
Mc2r	melanocortin 2 receptor	-32.2	575	18
Lao1	L-amino acid oxidase 1	-30.2	3092	103
Adhfe1	alcohol dehydrogenase, iron containing, 1	-29.4	797	33
Sncg	synuclein, gamma	-28.7	4718	164
Fabp3	fatty acid binding protein 3, muscle and heart	-27.0	886	33
Thrsp	thyroid hormone responsive SPOT14 homolog (Rattus)	-24.8	7743	340
Timp4	tissue inhibitor of metalloproteinase 4	-24.0	646	15
Myoz1	myozenin 1	-23.8	5834	245
Cd36	CD36 antigen	-22.5	6726	306
Cidea	cell death-inducing DNA fragmentation factor, alpha subunit-like effector A	-22.5	918	42
Car4	carbonic anhydrase 4	-22.3	982	44
Car3	carbonic anhydrase 3	-21.9	12543	1726
Fabp4	fatty acid binding protein 4, adipocyte	-21.7	7777	3543
Myh1	myosin, heavy polypeptide 1, skeletal muscle, adult	-21.7	857	40
Adipoq	adiponectin, C1Q and collagen domain containing	-21.6	10299	522
Adig	adipogenin	-20.8	1676	85
Dmbt1	deleted in malignant brain tumors 1	-20.2	1155	57
Lhx8	LIM homeobox protein 8	-20.2	555	26
Acsl1	acyl-CoA synthetase long-chain family member 1	-18.6	3172	374
Glycam1	glycosylation dependent cell adhesion molecule 1	-18.6	2953	166
Npr3	natriuretic peptide receptor 3	-17.8	1362	77
Ckmt2	creatine kinase, mitochondrial 2	-17.6	820	46
Lalba	lactalbumin, alpha	-17.0	361	21
Csn1s1	casein alpha s1	-16.2	14199	874
Lipe	lipase, hormone sensitive	-16.2	1329	82
Hsd11b1	hydroxysteroid 11-beta dehydrogenase 1	-15.7	2815	179
Pcolce2	procollagen C-endopeptidase enhancer 2	-15.5	510	33
Smr2	submaxillary gland androgen regulated protein 2	-15.2	523	43
Csn2	casein beta	-15.1	11308	1378
Gdf10	growth differentiation factor 10	-15.1	400	26
Klb	klotho beta	-15.1	629	42
Ifi27l2b	interferon, alpha-inducible protein 27 like 2B	-14.8	683	46
Ppp1r1a	protein phosphatase 1, regulatory (inhibitor) subunit 1A	-14.0	704	50
Pparg	peroxisome proliferator activated receptor gamma	-13.9	967	69
Atp2a1	ATPase, Ca++ transporting, cardiac muscle, fast twitch 1	-13.7	489	36
Pcx	pyruvate carboxylase	-13.1	1588	95
Gjb6	gap junction protein, beta 6	-12.6	565	45

Ckm	creatine kinase, muscle	-12.5	1380	110
Inmt	indolethylamine N-methyltransferase	-12.5	3067	245
Pvalb	parvalbumin	-12.4	636	51
Dgat2	diacylglycerol O-acyltransferase 2	-12.4	4000	521
Acta1	actin, alpha 1, skeletal muscle	-12.1	3899	322
Aldh1a7	aldehyde dehydrogenase family 1, subfamily A7	-12.1	1109	92
Cel	carboxyl ester lipase	-12.1	955	79
Hoxa5	homeobox A5	-11.9	336	28
Aspa	aspartoacylase	-11.6	340	29
Acacb	acetyl-Coenzyme A carboxylase beta	-11.5	530	46
Nnat	neuronatin	-11.2	2663	237
Tnnt3	troponin T3, skeletal, fast	-11.2	778	69
Tnnc2	troponin C2, fast	-11.2	2204	197
Myh4	myosin, heavy polypeptide 4, skeletal muscle	-11.2	1428	128
Fgb	fibrinogen beta chain	-11.0	3413	311
Ifi27l2a	interferon, alpha-inducible protein 27 like 2A	-10.8	8124	750
Acaa1b	acetyl-Coenzyme A acyltransferase 1B	-10.6	696	66
Myl1	myosin, light polypeptide 1	-10.4	1656	166
Aoc3	amine oxidase, copper containing 3	-10.3	3162	306
Btn1a1	butyrophilin, subfamily 1, member A1	-10.3	1440	140
Ephx2	epoxide hydrolase 2, cytoplasmic	-10.0	1402	140
Atp1a2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	-10.0	441	25
Ntrk2	neurotrophic tyrosine kinase, receptor, type 2	-9.7	709	73
Lpl	lipoprotein lipase	-9.6	6823	713
Cfd	complement factor D (adipsin)	-9.5	11467	1203
Pgam2	phosphoglycerate mutase 2	-8.9	628	70
Nmu	neuromedin U	-8.3	1226	148
Ebf3	early B-cell factor 3	-8.2	638	78
Cox6a2	cytochrome c oxidase, subunit VI a, polypeptide 2	-8.1	405	50
Fhl1	four and a half LIM domains 1	-8.0	1435	179
Rarres2	retinoic acid receptor responder (tazarotene induced) 2	-8.0	3001	384
Lgals12	lectin, galactose binding, soluble 12	-8.0	871	109
Art3	ADP-ribosyltransferase 3	-8.0	1692	219
Ctsr	cathepsin R	-7.9	3420	431
Ltf	lactotransferrin	-7.9	2207	279
Cpa3	carboxypeptidase A3, mast cell	-7.7	603	79
Fasn	fatty acid synthase	-7.3	11558	1579
Hoxa3	homeobox A3	-7.3	379	52
Igh-2	immunoglobulin heavy chain 2 (serum IgA)	-7.3	2201	308
Mylpf	myosin light chain, phosphorylatable, fast skeletal muscle	-7.3	1620	223
G0s2	G0/G1 switch gene 2	-7.2	4310	598
Ccl21a	chemokine (C-C motif) ligand 21A	-7.1	307	43
Ptger3	prostaglandin E receptor 3 (subtype EP3)	-7.1	1106	157
Ghr	growth hormone receptor	-6.9	3255	695
Hnmt	histamine N-methyltransferase	-6.9	409	59
Pi16	peptidase inhibitor 16	-6.8	823	121
Igj	immunoglobulin joining chain	-6.6	1353	204
Fmo1	flavin containing monooxygenase 1	-6.5	876	135
Slc22a3	solute carrier family 22 (organic cation transporter), member 3	-6.5	566	87
Sorbs1	sorbin and SH3 domain containing 1	-6.5	2532	581
Tns1	tensin 1	-6.5	637	97
Enpep	glutamyl aminopeptidase	-6.4	1253	195
Pygl	liver glycogen phosphorylase	-6.4	1600	250
Scd1	stearoyl-Coenzyme A desaturase 1	-6.4	7943	2026
Lims2	LIM and senescent cell antigen like domains 2	-6.2	408	65
Mup1	major urinary protein 1	-6.2	709	114
Aldh1l1	aldehyde dehydrogenase 1 family, member L1	-6.0	553	93
Tnni2	troponin I, skeletal, fast 2	-5.9	1042	228
Chpt1	choline phosphotransferase 1	-5.8	1658	327
Lrg1	leucine-rich alpha-2-glycoprotein 1	-5.8	1110	191
Ccdc80	coiled-coil domain containing 80	-5.7	2600	944
Eepd1	endonuclease/exonuclease/phosphatase family domain containing 1	-5.6	323	57
Fzd4	frizzled homolog 4 (Drosophila)	-5.6	413	74
Slc1a5	solute carrier family 1 (neutral amino acid transporter), member 5	-5.6	2664	476
Acss2	acyl-CoA synthetase short-chain family member 2	-5.5	969	160

Prelp	proline arginine-rich end leucine-rich repeat	-5.5	1378	249
Mgll	monoglyceride lipase	-5.5	3443	632
Nrg4	neuregulin 4	-5.4	683	126
Dpt	dermatopontin	-5.3	3830	724
Mettl7a1	methyltransferase like 7A1	-5.2	1873	352
Sult1a1	sulfotransferase family 1A, phenol-preferring, member 1	-5.2	1688	323
Chst1	carbohydrate (keratan sulfate Gal-6) sulfotransferase 1	-5.1	1227	240
Igfals	insulin-like growth factor binding protein, acid labile subunit	-5.1	306	59
Nnmt	nicotinamide N-methyltransferase	-5.1	872	171
Pnpla2	patatin-like phospholipase domain containing 2	-5.1	4552	890
Clec3b	C-type lectin domain family 3, member b	-5.0	1419	284
Scg3	secretogranin III	-5.0	428	85
Calml3	calmodulin-like 3	-4.9	458	93
Cyp2f2	cytochrome P450, family 2, subfamily f, polypeptide 2	-4.9	550	112
Eno3	enolase 3, beta muscle	-4.9	672	136
Ido1	indoleamine 2,3-dioxygenase 1	-4.8	406	85
Ldb3	LIM domain binding 3	-4.8	426	89
Lpin1	lipin 1	-4.8	1167	268
Gstz1	glutathione transferase zeta 1 (maleylacetoacetate isomerase)	-4.7	1602	342
Sod3	superoxide dismutase 3, extracellular	-4.7	678	145
Cyp4b1	cytochrome P450, family 4, subfamily b, polypeptide 1	-4.6	1286	283
Fxyd1	FXYD domain-containing ion transport regulator 1	-4.6	734	158
Higd1c	HIG1 domain family, member 1C	-4.6	1027	232
Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	-4.6	821	179
Smoc1	SPARC related modular calcium binding 1	-4.5	697	154
Fam20c	family with sequence similarity 20, member C	-4.5	803	179
Mmd	monocyte to macrophage differentiation-associated	-4.5	4007	898
Htra3	HtrA serine peptidase 3	-4.4	1619	367
Adh1	alcohol dehydrogenase 1 (class I)	-4.3	835	194
Igf1	insulin-like growth factor 1	-4.3	558	153
Mbp	myelin basic protein	-4.3	1266	186
Steap4	STEAP family member 4	-4.3	2348	546
Tmprss2	transmembrane protease, serine 2	-4.3	1582	514
Krt79	keratin 79	-4.2	530	127
Mfng	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	-4.2	451	108
Odz4	odd Oz/ten-m homolog 4 (Drosophila)	-4.2	336	81
Ogn	osteoglycin	-4.2	960	339
Sgce	sarcoglycan, epsilon	-4.2	516	122
Aacs	acetoacetyl-CoA synthetase	-4.1	1176	320
Acox1	acyl-Coenzyme A oxidase 1, palmitoyl	-4.1	920	225
Cmbl	carboxymethylenebutenolidase-like (Pseudomonas)	-4.1	1116	275
Gjb2	gap junction protein, beta 2	-4.1	1572	384
Cldn15	claudin 15	-4.0	513	129
Ndrg1	N-myc downstream regulated gene 1	-4.0	518	144
Ppp1r3c	protein phosphatase 1, regulatory (inhibitor) subunit 3C	-4.0	864	214
Pxmp2	peroxisomal membrane protein 2	-4.0	597	148
Tcap	titin-cap	-4.0	324	80
Tmem120b	transmembrane protein 120B	-4.0	492	123
Depdc6	DEP domain containing 6	-3.9	589	149
Pdlim3	PDZ and LIM domain 3	-3.9	1138	294
Prnp	prion protein	-3.9	1258	319
Smoc2	SPARC related modular calcium binding 2	-3.9	1025	263
Xdh	xanthine dehydrogenase	-3.9	1400	362
Abi3bp	ABI gene family, member 3 (NESH) binding protein	-3.8	351	92
Dbp	D site albumin promoter binding protein	-3.8	1275	371
Ifi203	interferon activated gene 203	-3.8	434	114
Aldh6a1	aldehyde dehydrogenase family 6, subfamily A1	-3.7	2191	585
C3	complement component 3	-3.7	4416	1208
Hp	haptoglobin	-3.7	4266	1141
Palmd	palmdelphin	-3.7	681	182
Rbpms	RNA binding protein gene with multiple splicing	-3.7	467	125
Smr3a	submaxillary gland androgen regulated protein 3A	-3.7	980	264
Adamts5	a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 5	-3.6	649	179
Ebf1	early B-cell factor 1	-3.6	780	219
Gpd1	glycerol-3-phosphate dehydrogenase 1 (soluble)	-3.6	1710	283

Gpt	glutamic pyruvic transaminase, soluble	-3.6	577	159
Gpt2	glutamic pyruvate transaminase (alanine aminotransferase) 2	-3.6	1338	438
Klf15	Kruppel-like factor 15	-3.6	532	149
Txnip	thioredoxin interacting protein	-3.6	2044	570
Abca8a	ATP-binding cassette, sub-family A (ABC1), member 8a	-3.5	1675	478
Fgf13	fibroblast growth factor 13	-3.5	471	136
Gnai1	guanine nucleotide binding protein (G protein), alpha inhibiting 1	-3.5	2034	738
Ifi205	interferon activated gene 205	-3.5	1089	311
Net1	neuroepithelial cell transforming gene 1	-3.5	647	185
Sfrp2	secreted frizzled-related protein 2	-3.5	618	174
Aqp1	aquaporin 1	-3.4	2841	848
Cxcr7	chemokine (C-X-C motif) receptor 7	-3.4	1152	337
Dpep1	dipeptidase 1 (renal)	-3.4	768	229
Gstt1	glutathione S-transferase, theta 1	-3.4	1040	308
Ly6d	lymphocyte antigen 6 complex, locus D	-3.4	4415	1301
Me1	malic enzyme 1, NADP(+)-dependent, cytosolic	-3.4	2810	900
Gata2	GATA binding protein 2	-3.3	492	151
Igfbp6	insulin-like growth factor binding protein 6	-3.3	1466	450
Mb	myoglobin	-3.3	747	230
Prkch	protein kinase C, eta	-3.3	332	101
Rbpms2	RNA binding protein with multiple splicing 2	-3.3	791	237
Retsat	retinol saturase (all trans retinol 13,14 reductase)	-3.3	488	146
Spp1	secreted phosphoprotein 1	-3.3	5518	1673
Thbd	thrombomodulin	-3.3	559	170
Timp3	tissue inhibitor of metalloproteinase 3	-3.3	1895	613
Bglap	bone gamma carboxyglutamate protein	-3.2	489	154
Cd1d1	CD1d1 antigen	-3.2	1837	638
Dram1	DNA-damage regulated autophagy modulator 1	-3.2	1239	393
Efemp1	epidermal growth factor-containing fibulin-like extracellular matrix protein 1	-3.2	1758	543
Fads3	fatty acid desaturase 3	-3.2	1545	485
Fndc1	fibronectin type III domain containing 1	-3.2	681	214
Hoxc8	homeobox C8	-3.2	386	120
Lipa	lysosomal acid lipase A	-3.2	374	117
Nid1	nidogen 1	-3.2	543	172
Slc25a10	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10	-3.2	336	104
Slc27a1	solute carrier family 27 (fatty acid transporter), member 1	-3.2	522	163
Alox12e	arachidonate lipoxygenase, epidermal	-3.1	818	262
Cldn5	claudin 5	-3.1	1127	362
Elovl6	ELOVL family member 6, elongation of long chain fatty acids (yeast)	-3.1	1088	320
Fap	fibroblast activation protein	-3.1	857	280
Spnb2	spectrin beta 2	-3.1	440	142
St3gal6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	-3.1	302	99
Ang3	angiogenin, ribonuclease A family, member 3	-3.0	2978	1004
Gpam	glycerol-3-phosphate acyltransferase, mitochondrial	-3.0	2818	947
Hoxd8	homeobox D8	-3.0	487	162
Ndrg2	N-myc downstream regulated gene 2	-3.0	944	314
Nr1h3	nuclear receptor subfamily 1, group H, member 3	-3.0	1137	379
Selenbp1	selenium binding protein 1	-3.0	1699	559
Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	-3.0	638	175
Acly	ATP citrate lyase	-2.9	993	343
Aplp2	amyloid beta (A4) precursor-like protein 2	-2.9	1405	481
Cdkn1c	cyclin-dependent kinase inhibitor 1C (P57)	-2.9	756	263
Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2	-2.9	345	118
Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)	-2.9	558	192
Ptprb	protein tyrosine phosphatase, receptor type, B	-2.9	369	125
Rbp7	retinol binding protein 7, cellular	-2.9	1212	418
Rasgrp2	RAS, guanyl releasing protein 2	-2.8	502	178
Ak3	adenylate kinase 3	-2.8	681	243
C1ra	complement component 1, r subcomponent A	-2.8	1063	384
Crat	carnitine acetyltransferase	-2.8	537	191
Fst	follistatin	-2.8	688	246
Hspb8	heat shock protein 8	-2.8	564	203
Ms4a4d	membrane-spanning 4-domains, subfamily A, member 4D	-2.8	390	142
Pam	peptidylglycine alpha-amidating monooxygenase	-2.8	1019	363
Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	-2.8	445	161

Slc2a4	solute carrier family 2 (facilitated glucose transporter), member 4	-2.8	1021	364
Sord	sorbitol dehydrogenase	-2.8	700	250
Akr1c14	aldo-keto reductase family 1, member C14	-2.7	433	158
Atrx	alpha thalassemia/mental retardation syndrome X-linked homolog (human)	-2.7	389	146
Car2	carbonic anhydrase 2	-2.7	1269	464
Col13a1	collagen, type XIII, alpha 1	-2.7	465	172
Ehd2	EH-domain containing 2	-2.7	1388	507
Ehhadh	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenase	-2.7	341	126
Entpd2	ectonucleoside triphosphate diphosphohydrolase 2	-2.7	559	205
Gbe1	glucan (1,4-alpha-), branching enzyme 1	-2.7	723	267
Hk2	hexokinase 2	-2.7	1447	534
Kcnk5	potassium channel, subfamily K, member 5	-2.7	398	147
Lbp	lipopolysaccharide binding protein	-2.7	1028	377
Lpgat1	lysophosphatidylglycerol acyltransferase 1	-2.7	399	150
Nos3	nitric oxide synthase 3, endothelial cell	-2.7	419	158
Pecam1	platelet/endothelial cell adhesion molecule 1	-2.7	582	213
Pmp22	peripheral myelin protein 22	-2.7	3041	1133
Serping1	serine (or cysteine) peptidase inhibitor, clade G, member 1	-2.7	3517	1320
Alas2	aminolevulinic acid synthase 2, erythroid	-2.6	471	180
Apod	apolipoprotein D	-2.6	4011	1526
Atp6v1c2	ATPase, H+ transporting, lysosomal V1 subunit C2	-2.6	1170	451
C4b	complement component 4B (Childo blood group)	-2.6	1144	445
Clca2	chloride channel calcium activated 2	-2.6	1831	713
Gatm	glycine amidinotransferase (L-arginine:glycine amidinotransferase)	-2.6	400	152
Ltc4s	leukotriene C4 synthase	-2.6	467	179
Mxra8	matrix-remodelling associated 8	-2.6	1386	535
Pfkfb1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	-2.6	320	124
Slc12a2	solute carrier family 12, member 2	-2.6	1279	490
Slc39a8	solute carrier family 39 (metal ion transporter), member 8	-2.6	578	222
Snta1	syntrophin, acidic 1	-2.6	370	141
Car6	carbonic anhydrase 6	-2.6	400	156
Ckb	creatine kinase, brain	-2.6	1135	445
Alpl	alkaline phosphatase, liver/bone/kidney	-2.5	388	154
Aspn	asporin	-2.5	357	142
Cebpa	CCAAT/enhancer binding protein (C/EBP), alpha	-2.5	1819	734
Clca1	chloride channel calcium activated 1	-2.5	1773	698
Dcn	decorin	-2.5	9261	3670
Dgat1	diacylglycerol O-acyltransferase 1	-2.5	1065	425
Folr1	folate receptor 1 (adult)	-2.5	711	285
Gstm1	glutathione S-transferase, mu 1	-2.5	1918	753
H19	H19 fetal liver mRNA	-2.5	566	223
Idh1	isocitrate dehydrogenase 1 (NADP+), soluble	-2.5	1532	616
Mknk2	MAP kinase-interacting serine/threonine kinase 2	-2.5	437	176
Opn3	opsin 3	-2.5	395	160
Plin2	perilipin 2	-2.5	6773	2671
Ptgs1	prostaglandin-endoperoxide synthase 1	-2.5	362	145
Ptrf	polymerase I and transcript release factor	-2.5	2562	1027
Serpina3n	serine (or cysteine) peptidase inhibitor, clade A, member 3N	-2.5	797	324
Vegfb	vascular endothelial growth factor B	-2.5	438	176
Gsn	gelsolin	-2.5	9034	3380
Slc6a15	solute carrier family 6 (neurotransmitter transporter), member 15	2.5	289	709
Arl4d	ADP-ribosylation factor-like 4D	2.5	323	797
Tcfap2b	transcription factor AP-2 beta	2.5	248	614
Serinc1	serine incorporator 1	2.5	125	315
Ereg	epiregulin	2.5	125	315
Rps25	ribosomal protein S25	2.5	459	1159
Brwd1	bromodomain and WD repeat domain containing 1	2.5	165	417
Aard	alanine and arginine rich domain containing protein	2.6	187	480
Luc7l2	LUC7-like 2 (S. cerevisiae)	2.6	143	453
Meg3	maternally expressed 3	2.6	277	722
Mapk8	mitogen-activated protein kinase 8	2.6	187	490
Pabpn1	poly(A) binding protein, nuclear 1	2.6	480	1266
Cwc22	CWC22 spliceosome-associated protein homolog (S. cerevisiae)	2.7	460	1244
Eppk1	epiplakin 1	2.7	567	1530
Rbmx	RNA binding motif protein, X chromosome	2.7	220	596

Rpl41	ribosomal protein L41	2.7	1250	3419
Zbtb16	zinc finger and BTB domain containing 16	2.8	550	1536
Esrrb	estrogen related receptor, beta	2.8	179	505
Snhg1	small nucleolar RNA host gene (non-protein coding) 1	2.9	132	380
Vps41	vacuolar protein sorting 41 (yeast)	2.9	111	320
Zfp207	zinc finger protein 207	2.9	168	490
Tardbp	TAR DNA binding protein	3.0	257	759
Nisch	nischarin	3.0	151	487
Rps24	ribosomal protein S24	3.0	184	559
Tesc	tescalcin	3.1	122	372
Ints6	integrator complex subunit 6	3.1	485	1490
Pabpc1	poly(A) binding protein, cytoplasmic 1	3.1	130	406
Bex1	brain expressed gene 1	3.2	1306	4129
Gas5	growth arrest specific 5	3.2	276	888
Cdc7	cell division cycle 7 (S. cerevisiae)	3.2	300	971
Pthlh	parathyroid hormone-like peptide	3.5	161	556
Rhox5	reproductive homeobox 5	3.5	156	546
Thrap3	thyroid hormone receptor associated protein 3	3.5	130	458
Nptx1	neuronal pentraxin 1	3.6	325	1183
Crabp1	cellular retinoic acid binding protein I	3.8	858	3278
Calca	calcitonin/calcitonin-related polypeptide, alpha	4.0	437	1747
Wdr26	WD repeat domain 26	4.2	108	452
Il33	interleukin 33	4.2	1112	4699
Slc5a8	solute carrier family 5 (iodide transporter), member 8	4.3	358	1553
Lpp	LIM domain containing preferred translocation partner in lipoma	4.4	88	385
Nfib	nuclear factor I/B	4.4	148	649
Tug1	Taurine upregulated gene 1	4.4	120	527
Bex2	brain expressed X-linked 2	4.4	114	503
Psmd7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	4.5	77	349
Pcp4	Purkinje cell protein 4	4.5	1503	6826
Wfdc12	WAP four-disulfide core domain 12	4.7	636	2961
Bex4	brain expressed gene 4	4.8	260	1241
Phip	pleckstrin homology domain interacting protein	4.8	65	312
Hnrnpa1	heterogeneous nuclear ribonucleoprotein A1	5.4	187	1013
Rbm39	RNA binding motif protein 39	6.6	96	596
Mt1	metallothionein 1	6.8	300	2043
D2Ertd93e	DNA segment, Chr 2, ERATO Doi 93, expressed	7.0	131	919
Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	11.1	146	1253

Table S3. Primers used for qRT-PCR analysis

Gene	Forward Primer (5'→3')	Reverse Primer (5'→3')
PPARγ	CAGACAAGATTTGAAAGAAG	CAGAATGGCATCTCTGTGTC
Esr1	AACCGCCCATGATCTATTCTG	AGATTCAAGTCCCCAAAGCC
Pgr	TGAGCCTGATGGTGTTTGG	ACAGCGAGTAGAATGACAGC
Fabp4	GCCTTTCTCACCTGGAAGAC	CCCACTCCCACTTCTTTCAT
Fasn	GGGTTCTAGCCAGCAGAGTC	TCAGCCACTTGAGTGTCCTC
Lep	GACATTTCACACACGCAGTC	GTGAAGCCCAGGAATGAAGT