

SUPPLEMENTAL TABLE 4

Gene expression altered by agonists of PPAR, RXR and LXR in mouse liver

Anderson SP, Dunn C, Laughter A, Yoon L, Swanson C, Stulnig TM, Steffensen KR, Chandraratna RAS, Gustafsson J-A, and Corton JC (2004)
Mol Pharmacol doi:10.1124/mol.104.005496.

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
Apoptosis										
Birc5	baculoviral IAP repeat-containing 5	AB013819	3			5.84				
Capns1	calpain, small subunit 1	AF058298	3			1.6				
Clu	clusterin	AV003873	5				1.62			
Cycs	cytochrome c, somatic	X01756	1	1.5						
Pdcd5	programmed cell death 5	AA870917	1	1.59						
Pdcd6	programmed cell death 6	AV138382	5				1.55			
Perp-pending	p53 apoptosis effector related to Pmp22	AI854029	1	1.66						
Glutathione Metabolism										
Gsr	glutathione reductase 1	AI851983	1	1.62						
Gsta2	glutathione S-transferase, alpha 2 (Yc2)	J03958	4			2.29	1.67		2.4	2.2
Gsta4	glutathione S-transferase, alpha 4	L06047	3			2.82				2.59
Gstm2	glutathione S-transferase, mu 2	J04696	3			1.54		4.31	3.46	1.84
Gstm3	glutathione S-transferase, mu 3	J03953	3			1.69		7.83	4.38	
Gstm5	glutathione S-transferase, mu 5	AA241764	7		1.53					-1.62
Gstt1	glutathione S-transferase, theta 1	X98055	5				1.61			
Gstt2	glutathione S-transferase, theta 2	X98056	6	2.31		1.7	1.52	2.2		
Mgst3	microsomal glutathione S-transferase 3	AI843448	2	2.78		3.25				2.67
Xenobiotic Metabolism										
Cyp1a2	cytochrome P450, family 1, subfamily a, polypeptide 2	X04283	1	-1.64						
Cyp2a4	cytochrome P450, family 2, subfamily a, polypeptide 4	M19319	1	-1.79					2.98	3.59
Cyp2b10	cytochrome P450, family 2, subfamily b, polypeptide 10	M21856	7		-1.79					
Ephx1	epoxide hydrolase 1, microsomal	U89491	3			1.7			1.6	
Ephx2	epoxide hydrolase 2, cytoplasmic	Z37107	1	2.01						-1.54
Fmo5	flavin containing monooxygenase 5	U90535	7		-1.62					
Por	P450 (cytochrome) oxidoreductase	D17571	7		-1.52			4.74		

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
Por	P450 (cytochrome) oxidoreductase	AV140072	7		-7.7					
Sult1a1	sulfotransferase family 1A, phenol-preferring, member 1	L02331	1	-2.05						
Transport – Small Molecules										
Abcg2	ATP-binding cassette, sub-family G (WHITE), member 2	AF103875	1	2.07						-1.57
Aqp8	aquaporin 8	AF018952	3			1.68				
Atp7a	ATPase, Cu ⁺⁺ transporting, alpha polypeptide	AI314990	1	-1.97						
Slc22a1	solute carrier family 22 (organic cation transporter), member 1	U38652	3				-1.54			
Slc25a10	solute carrier family 25, member 10	AA683883	1	1.74						
Slc4a4	solute carrier family 4 (anion exchanger), member 4	AF020195	5				1.61			
Ttr	transthyretin	D00073	1	-1.57						
Transport - Proteins										
Kpna2	karyopherin (importin) alpha 2	D55720	3			2.06				
P24b-pending	integral type I protein	AW120643	1	1.7						
Transport - Miscellaneous										
Shbg	sex hormone binding globulin	U85644	1	1.99						
1110030N17Rik	RIKEN cDNA 1110030N17 gene	AA690218	5				-10			
Stx8	syntaxin 8	AF036716	1	1.94						
Signalling										
1300011C24Rik	RIKEN cDNA 1300011C24 gene	AV248951	1	-1.57						
Arl4	ADP-ribosylation-like 4	Y12577	7		-4.17					
Avpr1a	arginine vasopressin receptor 1A	D49730	5					-1.64		
Clk	CDC-like kinase	M38381	7		-1.64					
Ect2	ect2 oncogene	L11316	3			5.66				
Egfr	epidermal growth factor receptor	L06864	3			-1.76		-5.24		
Egfr	epidermal growth factor receptor	AW049716	2	-3.23		-2.39		-5.96		
Egfr	epidermal growth factor receptor	AW049716	2	-2.78		-2.23		-9.52		
Ghr	growth hormone receptor	U15012	1	-1.64						
Gnaq	guanine nucleotide binding protein, alpha q polypeptide	M55412	1	-3.71						
Igfbp2	insulin-like growth factor binding protein 2	X81580	3			1.6				-1.89
Igtp	interferon gamma induced GTPase	U53219	1	-1.59						
Mpp1	membrane protein, palmitoylated	U38196	1	1.86						
Ogfr	opioid growth factor receptor	AI838195	1	-5.89						
Prlr	prolactin receptor	M22957	1	-1.59						
Ptpn5	protein tyrosine phosphatase, non-receptor type 5	U28217	7		2.51					

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
Ptpns1	protein tyrosine phosphatase, non-receptor type substrate 1	AV317524	1	6.54						
Racgap1	Rac GTPase-activating protein 1	AW122347	3			3.54				
S100a10	S100 calcium binding protein A10 (calpactin)	M16465	1	1.5						
Tiam1	T-cell lymphoma invasion and metastasis 1	AV331929	1	2.15						
Tnk2	tyrosine kinase, non-receptor, 2	AF037260	5				-3.34			
Tob1	transducer of ErbB-2.1	D78382	5				1.55			
Vegfa	vascular endothelial growth factor A	M95200	5				-1.76			
Metabolism										
Amino Acid Metabolism										
Amd1	S-adenosylmethionine decarboxylase 1	D12780	7		1.55				-1.63	
Csad	cysteine sulfinic acid decarboxylase	AW120896	1	2.82				2.26		
Oat	ornithine aminotransferase	X64837	3			-1.52				
Vnn1	vanin 1	AJ132098	2	8.09		1.71				-4
Glycosylation										
Galgt1	UDP-N-acetyl-alpha-D-galactosamine:(N-acetylneuraminyl)-galactosylglucosylceramide-beta-1, 4-N-acetylgalactosaminyltransferase	U18975	7		-2.18					
Gm2a	GM2 ganglioside activator protein	U09816	3			1.88				2.19
Gnpi	glucosamine-6-phosphate deaminase	AW123396	5				1.5			
Mgat2	mannoside acetylglucosaminyltransferase 2	A1117848	3			-2.23				
Mpdu1	mannose-P-dolichol utilization defect 1	AB024713	1	1.66						
Ugcg	UDP-glucose ceramide glucosyltransferase	AI853172	1	-2.57						
Nucleotide/Nucleoside Metabolism										
Entpd5	ectonucleoside triphosphate diphosphohydrolase 5	AJ238636	1	1.69						
Hprt	hypoxanthine guanine phosphoribosyl transferase	K01515	1	2.19						
Nme1	expressed in non-metastatic cells 1, protein	AV216468	8		1.81		1.53			-1.82
Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	D49956	1	1.51						
Tyms	thymidylate synthase	AU044050	3			1.93				
Umpk	uridine monophosphate kinase	L31783	1	1.99						
Upp	uridine phosphorylase	AV102624	5				1.59			
Retinal/Retinol Metabolism										
Dhrs4	dehydrogenase/reductase (SDR family) member 4	AW260761	1	2.28						-1.67
Rdh11	retinol dehydrogenase 11	AB030505	4			1.75	1.83	2.03		
Rdh11	retinol dehydrogenase 11	AB030505	5				1.96			-1.59

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Rdh5	retinol dehydrogenase 5	AF033195	1	-10						
Rdh6	retinol dehydrogenase 6	AF030513	1	3.31				7.43		
Steroid Metabolism										
Hsd11b1	hydroxysteroid 11-beta dehydrogenase 1	X83202	1	-2.44				-1.73		
Hsd17b11	hydroxysteroid (17-beta) dehydrogenase 11	AA822174	1	4.17				1.89		-2.33
Hsd17b12	hydroxysteroid (17-beta) dehydrogenase 12	AF064635	1	1.81						
Hsd3b2	hydroxysteroid dehydrogenase-2, delta<5>-3-beta	M75886	2	-2.5		-2.64		-3.99		
Hsd3b3	hydroxysteroid dehydrogenase-3, delta<5>-3-beta	M77015	1	2.46						
Hsd3b5	hydroxysteroid dehydrogenase-5, delta<5>-3-beta	L41519	2	-2.09		-2.57		-36.66		
Metabolism - Miscellaneous										
1110015E22Rik	RIKEN cDNA 1110015E22 gene	AW045753	1	-1.89						
2210023G05Rik	RIKEN cDNA 2210023G05 gene	AI181346	1	-1.67						1.53
2310001A20Rik	RIKEN cDNA 2310001A20 gene	AI842715	1	3.69						
Alas2	aminolevulinic acid synthase 2, erythroid	M15268	1	-1.54				-1.94		1.65
Aldh1a7	aldehyde dehydrogenase family 1, subfamily A7	U96401	3			1.62				
Car2	carbonic anhydrase 2	M25944	1	2.55						
Ces1	carboxylesterase 1	Y12887	4			3.12	2.73			
Ces3	carboxylesterase 3	AW226939	1	1.53				2.57	1.53	
Cox6c	cytochrome c oxidase, subunit VIc	AV071102	9	-1.67	1.94		1.78			-2.44
Cyp2c70	cytochrome P450, family 2, subfamily c, polypeptide 70	AI047331	1	-1.89						
Dio1	deiodinase, iodothyronine, type I	U49861	4			-11.12	-10	-11.22		
Es1	esterase 1	AF034435	1	-1.82						-1.52
Galk1	galactokinase 1	AB027012	1	2.23				2.06		
Gpd2	glycerol phosphate dehydrogenase 2, mitochondrial	D50430	5				-1.89			
Hmgcl	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	AV371169	1	1.76						
Hmgcl	3-hydroxy-3-methylglutaryl-Coenzyme A lyase	U49878	1	1.74						
Idh2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	U51167	3			1.52		1.92		1.56
Mod1	malic enzyme, supernatant	J02652	1	3.17				3.86		
Nnmt	nicotinamide N-methyltransferase	U86108	1	-2.5						
Pck1	phosphoenolpyruvate carboxykinase 1, cytosolic	AF009605	5				-1.64	-2.97		
Pfkfb1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	X98848	1	6.12						
Qscn6	quiescin Q6	AW123556	1	-1.73				-1.84		
Sdfr2	stromal cell derived factor receptor 2	D50464	1	1.58						
Spr	sepiapterin reductase	AI530375	7		-1.73					

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Suclg1	succinate-CoA ligase, GDP-forming, alpha subunit	AI840979	1	1.55						
Temt	thioether S-methyltransferase	M88694	6	1.7		1.6	1.85	5.21	2.19	
Chaperones/Protein Folding										
Cct3	chaperonin subunit 3 (gamma)	AV268209	1	1.5						
Dnaja1	DnaJ (Hsp40) homolog, subfamily A, member 1	AF055664	3			-1.76				
Dnajib11	DnaJ (Hsp40) homolog, subfamily B, member 11	AW122551	3			-2.09		-1.81		
Dnajc3	DnaJ (Hsp40) homolog, subfamily C, member 3	U28423	3			-1.52				
Hsp105	heat shock protein	L40406	3			-1.97				
Hspa5	heat shock 70kD protein 5 (glucose-regulated protein)	AJ002387	3			-1.7		-1.83		-1.52
Hspca	heat shock protein 1, alpha	J04633	1	1.64						
Hspe1	heat shock protein 1 (chaperonin 10)	U09659	1	1.77						
P5-pending	protein disulfide isomerase-related protein	AW045202	3			-1.54		-2.44		
P5-pending	protein disulfide isomerase-related protein	AW045202	3			-1.57		-2.66		
Proteolysis										
AW413091	expressed sequence AW413091	AI118358	1	-1.54						
Ctse	cathepsin E	AJ009840	2	4.5		3.2				-2.57
Ela1	elastase 1, pancreatic	M27347	6	-1.93		-1.79	-1.79	-2.81		
Enpep	glutamyl aminopeptidase	M29961	1	-1.62						
Hgfac	hepatocyte growth factor activator	AI042655	1	-1.79						
Itih1	inter-alpha trypsin inhibitor, heavy chain 1	X70391	1	-1.59				-1.73		
Itih4	inter alpha-trypsin inhibitor, heavy chain 4	AF023919	1	-2.23				-2.34		
Mug2	murinoglobulin 2	M65238	1	-1.57				-1.7		
Prss8	protease, serine, 8 (prostasin)	AA760364	1	14.19						
Ren1	renin 1 structural	M32352	7		-5					
Serpina3k	serine (or cysteine) proteinase inhibitor, clade A, member 3K	D00725	2	-2		-2.23		-8.07		
Serpina3m	serine (or cysteine) proteinase inhibitor, clade A, member 3M	X69832	1	-2.71						
Ubiquitin-dependent Proteolysis										
Psm7	proteasome (prosome, macropain) subunit, alpha type 7	AI836676	1	1.52				1.51		
Psm7	proteasome (prosome, macropain) subunit, beta type 7	D85570	1	1.52						
Psm14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	Y13071	1	1.58						
Psm4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	AF013099	1	1.54						
Usp15	ubiquitin specific protease 15	AV359471	8		1.69		1.53			-1.76
Protein Synthesis										
1500002I10Rik	RIKEN cDNA 1500002I10 gene	AW120679	1	1.51						

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
Arl6ip	ADP-ribosylation-like factor 6 interacting protein	AW122878	3			1.53				
D11Ert175e	DNA segment, Chr 11, ERATO Doi 175, expressed	AW121031	1	2.32						
D5Wsu45e	DNA segment, Chr 5, Wayne State University 45, expressed	AV317706	5				-3.85			
Rpl22	ribosomal protein L22	AI853960	1	3.78						
Structural Proteins										
Actg	actin, gamma, cytoplasmic	M21495	1	1.53						-1.62
Catna2	catenin alpha 2	D25282	3			-1.67				
Ckap2	cytoskeleton associated protein 2	AI121796	3			10.98				
Tbca	tubulin cofactor a	U05333	1	1.53						
Tuba1	tubulin, alpha 1	M28729	5				-1.62			
Tubb2	tubulin, beta 2	M28739	4			-1.7	-2.86			-1.97
Transcription Factors										
2610209L14Rik	RIKEN cDNA 2610209L14 gene	AI842968	5				1.6			
Atf5	activating transcription factor 5	AB012276	1	-1.76						
Crnk11	Crn, crooked neck-like 1 (Drosophila)	AA216808	1	5.18						
Dbp	D site albumin promoter binding protein	AW047343	5				12.4			3.5
Dmtf1	cyclin D binding myb-like transcription factor 1	U70017	1	4.84						
Foxa2	forkhead box A2	L10409	7		-4					
Foxq1	forkhead box Q1	AF010405	3			12.18				6.86
Idb2	inhibitor of DNA binding 2	AF077861	1	-1.57						1.57
Polr2i	polymerase (RNA) II (DNA directed) polypeptide I	AI852210	1	5.64						
Tcf3	transcription factor 3	AI841235	7		-2.57					
Tgfb1i4	transforming growth factor beta 1 induced transcript 4	X62940	3			-1.86		-3.05		
Miscellaneous Genes										
	clone MGC:58837 IMAGE:6773943, mRNA, complete cds	AI852363	1	1.76				1.51		
		Y10221	2	1.94		1.68				
		X16678	2	-1.82		-1.82				
	Mus musculus 4 days neonate male adipose cDNA, RIKEN full-length enriched library, clone:B430101C18 product:HYPOTHETICAL 19.9 KDA PROTEIN homolog [Homo sapiens], full insert sequence.	AA790056	5				-2.05			
		M26005	3			1.87				
	Mus musculus Brf2 gene, 3' UTR	AA960603	7		-1.7					
		AV337823	1	-2.57						
		AV032952	1	1.56						
	Highly similar to 2118318A promyelocyte leukemia Zn finger protein	AI553024	5				-4.77			

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
	ESTs	AA739024	7		3.02					
		U02995	3			-1.57				
		M17327	1	-1.59						
	ESTs	AA399835	5				2.54			
		X16217	1	-1.62						
	Mus musculus, Similar to RIKEN cDNA 2010000G05 gene, clone MGC:58839 IMAGE:6773974, mRNA, complete cds	AW123567	2	5.45		4.75				-6.25
	Mus musculus, Similar to RIKEN cDNA 2010000G05 gene, clone MGC:58839 IMAGE:6773974, mRNA, complete cds	AW123567	2	3.58		3.19				-3.71
	ESTs	A1647548	2	5.89		3.91				-50
	ESTs	C77554	1	2.36						
0610039N19Rik	RIKEN cDNA 0610039N19 gene	AW047688	2	5.51		1.97		2.77		-2.64
1110018B13Rik	RIKEN cDNA 1110018B13 gene	A1846452	1	1.54						
1110029F20Rik	RIKEN cDNA 1110029F20 gene	AW125508	5				-1.86	-1.61		
1110030L07Rik	RIKEN cDNA 1110030L07 gene	AW047363	1	1.74						
1110032N12Rik	RIKEN cDNA 1110032N12 gene	AW125827	5				-1.54			
1600024A01Rik	RIKEN cDNA 1600024A01 gene	AA693125	1	-1.82						
1700025B16Rik	RIKEN cDNA 1700025B16 gene	A1503987	1	4.56						
1810014L12Rik	RIKEN cDNA 1810014L12 gene	A1852985	5				1.56			
1810073K19Rik	RIKEN cDNA 1810073K19 gene	A1255961	1	-2.13						
2210409B01Rik	RIKEN cDNA 2210409B01 gene	AF109906	7		1.54					-1.62
2210409B22Rik	RIKEN cDNA 2210409B22 gene	A1840191	5				-3.34			
2310016A09Rik	RIKEN cDNA 2310016A09 gene	AW049373	1	1.61						
2310016E22Rik	RIKEN cDNA 2310016E22 gene	AW120882	1	-2						
2310035M22Rik	RIKEN cDNA 2310035M22 gene	A1851230	3			3.77				
2310042E05Rik	RIKEN cDNA 2310042E05 gene	A1839731	7		-5					4.89
2310074E22Rik	RIKEN cDNA 2310074E22 gene	AW125119	1	1.98						
2500002L14Rik	RIKEN cDNA 2500002L14 gene	AW061255	1	1.54						
2600017J23Rik	RIKEN cDNA 2600017J23 gene	AW125505	1	-1.67						1.52
2610201A12Rik	RIKEN cDNA 2610201A12 gene	AA275196	3			6.86				
2700094K13Rik	RIKEN cDNA 2700094K13 gene	AW045665	3			1.59				
2810428I15Rik	RIKEN cDNA 2810428I15 gene	A1854550	8		-9.1		-7.7			7.72
2810449C13Rik	RIKEN cDNA 2810449C13 gene	AW124926	1	3.94						
2900037I21Rik	RIKEN cDNA 2900037I21 gene	AW123269	3			4				
3110038L01Rik	RIKEN cDNA 3110038L01 gene	A1844396	5				1.56			

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3300001G02Rik	RIKEN cDNA 3300001G02 gene	AI843157	3			1.75				
4922501H04Rik	RIKEN cDNA 4922501H04 gene	AI836718	1	1.65						
4930529O08Rik	RIKEN cDNA 4930529O08 gene	AW061024	1	1.58						
4931406C07Rik	RIKEN cDNA 4931406C07 gene	AI255972	1	1.77						
4931406C07Rik	RIKEN cDNA 4931406C07 gene	AI255972	1	1.72						
5730469M10Rik	RIKEN cDNA 5730469M10 gene	AI850090	2	2.73		1.99				
5830471E12Rik	RIKEN cDNA 5830471E12 gene	AW124334	7		-2.09					
9430099J10Rik	RIKEN cDNA 9430099J10 gene	AI846811	3			1.5				
A030007L17Rik	RIKEN cDNA A030007L17 gene	AI854331	1	2.79						
AA408140	expressed sequence AA408140	AA683712	7		-5.56					7.16
AI194696	expressed sequence AI194696	M29008	1	-1.86				-1.53		
AI255964	expressed sequence AI255964	AI528149	1	-1.57						
AI463102	EST AI463102	AI851573	7		-2.95					
AI876593	expressed sequence AI876593	AI173533	1	-1.93						
Ap2a2	adaptor protein complex AP-2, alpha 2 subunit	AW122807	7		-1.7					
Armet	arginine-rich, mutated in early stage tumors	AW122364	1	1.62		-2.05		-2.14		
Atpi	ATPase inhibitor	AF002718	6	1.72		2.04	1.6			
Bcl6	B-cell leukemia/lymphoma 6	U41465	3			-4.35		-3.99		
Cd9	CD9 antigen	L08115	3			1.58				
Clecsf13	C-type lectin, superfamily member 13	D88577	3			-2.18				
Cml1	camello-like 1	AI840501	1	-1.64				-2.46		
Cops6	COP9 (constitutive photomorphogenic) homolog, subunit 6	AF071315	1	1.84						
Cryz	crystallin, zeta	D78646	3			1.51				
D5Ert593e	DNA segment, Chr 5, ERATO Doi 593, expressed	AW124049	5				1.64			
D7Wsu128e	DNA segment, Chr 7, Wayne State University 128, expressed	AA388099	1	1.58						
E430024D12	hypothetical protein E430024D12	AA200748	1	4.76						
F5	coagulation factor V	U52925	1	-1.59						
G7e-pending	G7e protein	U69488	4			10.11	3.48			
Gpld1	glycosylphosphatidylinositol specific phospholipase D1	AF050666	1	-1.67						
Gtpbp1	GTP binding protein 1	AV239949	7		1.76					-1.73
Hba-a1	hemoglobin alpha, adult chain 1	AV003378	1	-1.7						-1.54
Hba-a1	hemoglobin alpha, adult chain 1	V00714	6	-1.62		-1.62	-1.64			-1.67
Hbb-b1	hemoglobin, beta adult major chain	J00413	4			-1.59	-1.73			-1.57
Hbb-b1	hemoglobin, beta adult major chain	V00722	6	-1.73		-1.89	-1.67			-2.13
LOC215751	similar to hypothetical protein BC014320	AI845588	3			-3.04				

Gene Name	Gene Description	Accession #	Class	WY, WT	WY, Null	AGN, WT	AGN, Null	T1317, WT	T1317, Null	Con, Null
LOC216820	similar to DKFZP566O084 protein	AI843399	1	1.62						
Lpin1	lipin 1	AI846934	5				-2.44			
Lyzs	lysozyme	M21050	3			-4.77				
Lzp-s	P lysozyme structural	X51547	8		-4		-4.77			
Nifie14-pending	seven transmembrane domain protein	AI843521	1	1.65						
Noc4	neighbor of Cox4	AW047276	1	1.78						
ORF11	open reading frame 11	AI842705	4			1.56	1.72			
Ovcov1	ovarian cancer overexpressed 1	AV050648	7		1.58					
Phlda1	pleckstrin homology-like domain, family A, member 1	U44088	2	2.95	-3.45	2.96				
Reln	reelin	U24703	5				-1.97			
Rtn4	reticulon 4	AI840118	1	1.98						-2.64
S100a13	S100 calcium binding protein A13	AV007820	7		-9.1					
Sca10	spinocerebellar ataxia 10 homolog (human)	X61506	1	1.88						
Selenbp1	selenium binding protein 1	M32032	3			1.5				
Serp1-pending	stress-associated endoplasmic reticulum protein 1	AI843466	3			-1.52		-1.71		
Tm4sf7	transmembrane 4 superfamily member 7	AW124470	1	-2.28						
Txnip	thioredoxin interacting protein	AI839138	1	-2.13						
Vamp8	vesicle-associated membrane protein 8	AF053724	7		-2					1.85
Vnn3	vanin 3	AJ132103	2	1.82		1.77		2.04		
Wdr5	WD repeat domain 5	AI463460	7		2					

^aGene name, gene description, and accession # are from Affymetrix (Aug. 1, 2003).

^bRefers to type of regulation by WY and AGN in wild-type and PPAR α -null mice. See text for details.

^cTreatment groups: WY, WT – treatment with WY for 3 days in wild-type mice normalized to control treated wild-type mice. WY, Null – treatment with WY for 3 days in PPAR α -null mice normalized to control treated PPAR α -null mice. AGN, WT – treatment with AGN 190204 for 3 days in wild-type mice normalized to control treated wild-type mice. AGN, Null – treatment with AGN for 3 days in PPAR α -null mice normalized to control treated PPAR α -null mice. T1317, WT – treatment with T0901317 for 7 days in wild-type mice normalized to control treated wild-type mice. T1317, Null – treatment with T0901317 for 7 days in LXR α /LXR β -null mice normalized to control treated LXR α /LXR β -null mice. CON, Null – control treated PPAR α -null mice normalized to control treated wild-type mice.

^dNumbers are in fold-changes.