

Supplementary Table S1: Antibodies used in this study.

Antibody	Catalog Number	Company	Dilution	Application
TFAP2A	HPA028850	Sigma-Aldrich	1:200 1:1000	WB IHC
TFAP2C	sc-53162	Santa Cruz Biotechnology	1:200 1:1000	WB IHC
PPAR γ	D69	Cell Signaling	1:1000	WB
FABP4	AF3150	R&D Systems	1:1000	WB
GAPDH	14C10	Cell Signaling	1:1000	WB

WB: Western Blot, IHC: Immunohistochemistry

Supplementary Table S2:

Significantly upregulated and downregulated genes following rosiglitazone treatment of UMUC1, SW780 and 5637 bladder cancer cells (FDR-adjusted $p < 0.05$)

- 1) Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment
- 2) Genes uniquely upregulated in SW780 cells following rosiglitazone treatment
- 3) Genes uniquely upregulated in 5637 cells following rosiglitazone treatment
- 4) Genes upregulated in common in both UMUC1 and SW780 cells following rosiglitazone treatment
- 5) Genes upregulated in common in both SW780 and 5637 cells following rosiglitazone treatment
- 6) Genes upregulated in common in both UMUC1 and 5637 cells following rosiglitazone treatment
- 7) Genes upregulated in common in UMUC1, SW780, and 5637 cells following rosiglitazone treatment
- 8) Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment
- 9) Genes uniquely downregulated in SW780 cells following rosiglitazone treatment
- 10) Genes uniquely downregulated in 5637 cells following rosiglitazone treatment
- 11) Genes downregulated in common in UMUC1 and SW780 cells following rosiglitazone treatment
- 12) Genes downregulated in common in SW780 and 5637 cells following rosiglitazone treatment
- 13) Genes downregulated in common in UMUC1 and 5637 cells following rosiglitazone treatment
- 14) Genes downregulated in common in UMUC1, SW780, and 5637 cells following rosiglitazone treatment

1) Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment

ENSG0000000457-SCYL3	ENSG00000048544-MRPS10	ENSG00000079277-MKNK1	ENSG00000100299-ARSA
ENSG00000001036-FUCA2	ENSG00000050130-JKAMP	ENSG00000079385-CEACAM1	ENSG00000100307-CBX7
ENSG00000001461-NIPAL3	ENSG00000050344-NFE2L3	ENSG00000080200-CRYBG3	ENSG00000100319-ZMAT5
ENSG00000001561-ENPP4	ENSG00000050426-LETMD1	ENSG00000080824-HSP90AA1	ENSG00000100342-APOL1
ENSG00000003436-TFPI	ENSG00000051382-PIK3CB	ENSG00000081087-OSTM1	ENSG00000100348-TXN2
ENSG00000004142-POLDIP2	ENSG00000054611-TBC1D22A	ENSG00000081177-EXD2	ENSG00000100372-SLC25A17
ENSG00000004487-KDM1A	ENSG00000054690-PLEKHH1	ENSG00000081760-AACS	ENSG00000100418-DESI1
ENSG00000004961-IBTK	ENSG00000055211-GINM1	ENSG00000082212-ME2	ENSG00000100504-PYGL
ENSG00000005001-PRSS22	ENSG00000056736-IL17RB	ENSG00000082515-MRPL22	ENSG00000100505-TRIM9
ENSG00000005022-SLC25A5	ENSG00000059691-GATB	ENSG00000083223-ZCCHC6	ENSG00000100519-PSMC6
ENSG00000005075-POLR2J	ENSG00000060566-CREB3L3	ENSG00000083937-CHMP2B	ENSG00000100564-PIGH
ENSG00000005700-IBTK	ENSG00000060642-PIGV	ENSG00000084073-ZMPSTE24	ENSG00000100591-AHSA1
ENSG00000005844-ITGAL	ENSG00000060762-MPC1	ENSG00000084764-MAPRE3	ENSG00000100596-SPTLC2
ENSG00000006007-GDE1	ENSG00000060971-ACAA1	ENSG00000085276-MECOM	ENSG00000100804-PSMB5
ENSG00000006555-TTC22	ENSG00000061656-SPAG4	ENSG00000086062-B4GALT1	ENSG00000100911-PSME2
ENSG00000008018-PSMB1	ENSG00000064419-TNPO3	ENSG00000086065-CHMP5	ENSG00000100949-RABGGTA
ENSG00000008282-SYPL1	ENSG00000064490-RFXANK	ENSG00000086504-MRPL28	ENSG00000101000-PROCR
ENSG00000008513-ST3GAL1	ENSG00000064547-LPAR2	ENSG00000086696-HSD17B2	ENSG00000101079-NDRG3
ENSG00000010030-ETV7	ENSG00000064601-CTSA	ENSG00000087842-PIR	ENSG00000101084-C20orf24
ENSG00000010270-STARD3NL	ENSG00000064999-ANKS1A	ENSG00000088280-ASAP3	ENSG00000101096-NFATC2
ENSG00000010704-HFE	ENSG00000065600-TMEM206	ENSG00000088298-EDEM2	ENSG00000101166-SLMO2
ENSG00000011198-ABHD5	ENSG00000065615-CYB5R4	ENSG00000088832-FKBP1A	ENSG00000101182-PSMA7
ENSG00000012124-CD22	ENSG00000065923-SLC9A7	ENSG00000089127-OAS1	ENSG00000101187-SLC04A1
ENSG00000013275-PSMC4	ENSG00000066583-ISOC1	ENSG00000089195-TRMT6	ENSG00000101216-GMEB2
ENSG00000021355-SERPINB1	ENSG00000066827-SIRT2	ENSG00000089248-ERP29	ENSG00000101276-SLC52A3
ENSG00000023041-ZDHHC6	ENSG00000067992-PDK3	ENSG00000089327-FXYD5	ENSG00000101310-SEC23B
ENSG00000023228-NDUFS1	ENSG00000068028-RASSF1	ENSG00000089639-GMIP	ENSG00000101365-IDH3B
ENSG00000023516-AKAP11	ENSG00000068137-PLEKHH3	ENSG00000090013-BLVRB	ENSG00000101421-CHMP4B
ENSG00000023572-GLRX2	ENSG00000068903-SIRT2	ENSG00000090339-ICAM1	ENSG00000101442-ACTR5
ENSG00000023909-GCLM	ENSG00000068971-PPP2R5B	ENSG00000090432-MUL1	ENSG00000101443-WFDC2
ENSG00000025434-NR1H3	ENSG00000069702-TGFBR3	ENSG00000091164-TXNL1	ENSG00000101474-APMAP
ENSG00000026508-CD44	ENSG00000069966-GNB5	ENSG00000091947-TMEM101	ENSG00000101574-METTL4
ENSG00000027697-IFNGR1	ENSG00000070404-FSTL3	ENSG00000092010-PSME1	ENSG00000101782-RIOK3
ENSG00000028137-TNFRSF1B	ENSG00000070729-CNGB1	ENSG00000092295-TGM1	ENSG00000101842-VSIG1
ENSG00000031081-ARHGAP31	ENSG00000071073-MGAT4A	ENSG00000093010-COMT	ENSG00000101844-ATG4A
ENSG00000032389-TSSC1	ENSG00000072274-TFR3	ENSG00000093144-ECHDC1	ENSG00000101901-ALG13
ENSG00000033170-FUT8	ENSG00000072786-STK10	ENSG00000093339-UPRT	ENSG00000101935-AMMECR1
ENSG00000033627-ATP6V0A1	ENSG00000073150-PANX2	ENSG00000093794-CREM	ENSG00000102003-SYP
ENSG00000035141-FAM136A	ENSG00000073350-LLGL2	ENSG00000093932-SMIM24	ENSG00000102144-PGK1
ENSG00000035687-ADSS	ENSG00000073910-FRY	ENSG00000093963-SRPK1	ENSG00000102218-RP2
ENSG00000035862-TIMP2	ENSG00000074410-CA12	ENSG00000094256-PRTFDC1	ENSG00000102241-HTATSF1
ENSG00000036672-USP2	ENSG00000074527-NTN4	ENSG00000094282-TSPAN15	ENSG00000102362-SYTL4
ENSG00000040633-PHF23	ENSG00000074842-C19orf10	ENSG00000094337-KCNK6	ENSG00000102390-PBDC1
ENSG00000041353-RAB27B	ENSG00000074964-ARHGEF10L	ENSG00000094338-CATSPERG	ENSG00000102580-DNAJC3
ENSG00000041357-PSMA4	ENSG00000075089-ACTR6	ENSG00000094812-MISP	ENSG00000102804-TSC22D1
ENSG00000042062-FAM65C	ENSG00000076944-STXBP2	ENSG00000094875-MKNK2	ENSG00000102981-PARD6A
ENSG00000042445-RETSAT	ENSG00000077238-IL4R	ENSG00000100147-CCDC134	ENSG00000103150-MLYCD
ENSG00000043591-ADRB1	ENSG00000077463-SIRT6	ENSG00000100290-BIK	ENSG00000103274-NUBP1
ENSG00000047249-ATP6V1H	ENSG00000077585-GPR137B	ENSG00000100292-HMOX1	ENSG00000103496-STX4
ENSG00000047621-C12orf4	ENSG00000079101-CLUL1	ENSG00000100294-MCAT	ENSG00000103502-CDIPT

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000103671-TRIP4	ENSG00000107404-DVL1	ENSG00000114395-CYB561D2	ENSG00000119471-HSDL2
ENSG00000103740-ACSBG1	ENSG00000107537-PHYH	ENSG00000114480-GBE1	ENSG00000119599-DCAF4
ENSG00000103978-TMEM87A	ENSG00000107798-LIPA	ENSG00000114544-SLC41A3	ENSG00000119771-KLHL29
ENSG00000104047-DTWD1	ENSG00000107864-CPBE3	ENSG00000114573-ATP6V1A	ENSG00000119888-EPCAM
ENSG00000104112-SCG3	ENSG00000107954-NEURL1	ENSG00000114648-KLHL18	ENSG00000119927-GPAM
ENSG00000104140-RHOV	ENSG00000107960-OBFC1	ENSG00000114854-TNNC1	ENSG00000120053-GOT1
ENSG00000104267-CA2	ENSG00000108179-PPIF	ENSG00000115128-SF3B6	ENSG00000120217-CD274
ENSG00000104299-INTS9	ENSG00000108352-RAPGEFL1	ENSG00000115233-PSMD14	ENSG00000120314-WDR55
ENSG00000104312-RIPK2	ENSG00000108582-CPD	ENSG00000115241-PPM1G	ENSG00000120438-TCP1
ENSG00000104375-STK3	ENSG00000108671-PSMD11	ENSG00000115255-REEP6	ENSG00000120549-KIAA1217
ENSG00000104381-GDAP1	ENSG00000108679-LGALS3BP	ENSG00000115271-GCA	ENSG00000120656-TAF12
ENSG00000104549-SQLE	ENSG00000108846-ABCC3	ENSG00000115317-HTRA2	ENSG00000120662-MTRF1
ENSG00000104691-UBXN8	ENSG00000109133-TMEM33	ENSG00000115318-LOXL3	ENSG00000120942-UBIAD1
ENSG00000104756-KCTD9	ENSG00000109270-LAMTOR3	ENSG00000115363-EVA1A	ENSG00000121057-AKAP1
ENSG00000104763-ASAH1	ENSG00000109452-INPP4B	ENSG00000115520-COQ10B	ENSG00000121680-PEX16
ENSG00000104783-KCNN4	ENSG00000109519-GRPEL1	ENSG00000115539-PDCL3	ENSG00000121897-LIAS
ENSG00000104812-GYS1	ENSG00000109576-AADAT	ENSG00000115649-CNPPD1	ENSG00000122335-SERAC1
ENSG00000104825-NFKB1B	ENSG00000109787-KLF3	ENSG00000115652-UXS1	ENSG00000122512-PMS2
ENSG00000105220-GPI	ENSG00000109854-HTATIP2	ENSG00000115756-HPCAL1	ENSG00000122643-NT5C3A
ENSG00000105289-TJP3	ENSG00000109861-CTSC	ENSG00000115762-PLEKHB2	ENSG00000122863-CHST3
ENSG00000105364-MRPL4	ENSG00000109919-MTCH2	ENSG00000116016-EPAS1	ENSG00000122873-CISD1
ENSG00000105499-PLA2G4C	ENSG00000109971-HSPA8	ENSG00000116096-SPR	ENSG00000123106-CCDC91
ENSG00000105612-DNASE2	ENSG00000110427-KIAA1549L	ENSG00000116199-FAM20B	ENSG00000123609-NMI
ENSG00000105643-ARRDC2	ENSG00000110442-COMMD9	ENSG00000116266-STXBP3	ENSG00000123989-CHPF
ENSG00000105649-RAB3A	ENSG00000110955-ATP5B	ENSG00000116459-ATP5F1	ENSG00000124171-PARD6B
ENSG00000105650-PDE4C	ENSG00000110958-PTGES3	ENSG00000116584-ARHGEF2	ENSG00000124333-VAMP7
ENSG00000105677-TMEM147	ENSG00000111266-DUSP16	ENSG00000116668-SWT1	ENSG00000124374-PAIP2B
ENSG00000105717-PBX4	ENSG00000111424-VDR	ENSG00000116704-SLC35D1	ENSG00000124596-OARD1
ENSG00000105894-PTN	ENSG00000111652-COPS7A	ENSG00000116761-CTH	ENSG00000124615-MOCS1
ENSG00000105953-OGDH	ENSG00000111679-PTPN6	ENSG00000116793-PHTF1	ENSG00000124785-NRN1
ENSG00000105963-ADAP1	ENSG00000111716-LDHB	ENSG00000116898-MRPS15	ENSG00000124787-RPP40
ENSG00000105991-HOXA1	ENSG00000111726-CMAS	ENSG00000117118-SDHB	ENSG00000124831-LRRFIP1
ENSG00000105993-DNAJB6	ENSG00000111801-BTN3A3	ENSG00000117133-RPF1	ENSG00000124839-RAB17
ENSG00000106031-HOXA13	ENSG00000111802-TDP2	ENSG00000117153-KLHL12	ENSG00000125037-EMC3
ENSG00000106049-HIBADH	ENSG00000111846-GCNT2	ENSG00000117266-CDK18	ENSG00000125347-IRF1
ENSG00000106052-TAX1BP1	ENSG00000111879-FAM184A	ENSG00000117308-GALE	ENSG00000125351-UPF3B
ENSG00000106069-CHN2	ENSG00000111911-HINT3	ENSG00000117362-APH1A	ENSG00000125449-ARMC7
ENSG00000106077-ABHD11	ENSG00000112294-ALDH5A1	ENSG00000117410-ATP6V0B	ENSG00000125611-CHCHD5
ENSG00000106153-CHCHD2	ENSG00000112335-SNX3	ENSG00000117472-TSPAN1	ENSG00000125656-CLPP
ENSG00000106327-TFR2	ENSG00000112379-KIAA1244	ENSG00000117528-ABCD3	ENSG00000125657-TNFSF9
ENSG00000106366-SERPINE1	ENSG00000112425-EPM2A	ENSG00000117592-PRDX6	ENSG00000125744-RTN2
ENSG00000106367-AP1S1	ENSG00000112559-MDFI	ENSG00000117758-STX12	ENSG00000125775-SDCBP2
ENSG00000106524-ANKMY2	ENSG00000112561-TFEB	ENSG00000118162-KPTN	ENSG00000125843-AP5S1
ENSG00000106588-PSMA2	ENSG00000112759-SLC29A1	ENSG00000118308-LRMP	ENSG00000125870-SNRPB2
ENSG00000106615-RHEB	ENSG00000112773-FAM46A	ENSG00000118503-TNFAIP3	ENSG00000125945-ZNF436
ENSG00000106683-LIMK1	ENSG00000112996-MRPS30	ENSG00000118640-VAMP8	ENSG00000125977-EIF2S2
ENSG00000106991-ENG	ENSG00000113732-ATP6V0E1	ENSG00000118855-MFSD1	ENSG00000126067-PSMB2
ENSG00000107099-DOCK8	ENSG00000113812-ACTR8	ENSG00000118939-UCHL3	ENSG00000126267-COX6B1
ENSG00000107185-RGP1	ENSG00000113845-TIMMDC1	ENSG00000119392-GLE1	ENSG00000126561-STAT5A
ENSG00000107262-BAG1	ENSG00000113916-BCL6	ENSG00000119421-NDUFA8	ENSG00000127311-HELB

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000127399-LRRC61	ENSG00000132821-VSTM2L	ENSG00000136715-SAP130	ENSG00000141574-SECTM1
ENSG00000127418-FGFR11	ENSG00000132825-PPP1R3D	ENSG00000136717-BIN1	ENSG00000141738-GRB7
ENSG00000127824-TUBA4A	ENSG00000132953-XPO4	ENSG00000136802-LRRC8A	ENSG00000141971-MVB12A
ENSG00000127884-ECHS1	ENSG00000132963-POMP	ENSG00000136816-TOR1B	ENSG00000141977-CIB3
ENSG00000127948-POR	ENSG00000133116-KL	ENSG00000136840-ST6GALNAC4	ENSG00000142168-SOD1
ENSG00000128016-ZFP36	ENSG00000133318-RTN3	ENSG00000136874-STX17	ENSG00000142669-SH3BGR13
ENSG00000128165-ADM2	ENSG00000133321-RARRES3	ENSG00000136932-C9orf156	ENSG00000142794-NBPF3
ENSG00000128335-APOL2	ENSG00000133328-HRASLS2	ENSG00000137055-PLAA	ENSG00000142875-PRKACB
ENSG00000128524-ATP6V1F	ENSG00000133398-MED10	ENSG00000137145-DENND4C	ENSG00000142961-MOB3C
ENSG00000128564-VGF	ENSG00000133619-KRBA1	ENSG00000137309-HMGA1	ENSG00000143106-PSMA5
ENSG00000128654-MTX2	ENSG00000133687-TMTC1	ENSG00000137414-FAM8A1	ENSG00000143162-CREG1
ENSG00000128965-CHAC1	ENSG00000133731-IMPAA1	ENSG00000137501-SYTL2	ENSG00000143183-TMCO1
ENSG00000129128-SPCS3	ENSG00000134153-EMC7	ENSG00000137575-SDCBP	ENSG00000143222-UFC1
ENSG00000129244-ATP1B2	ENSG00000134265-NAPG	ENSG00000137714-FDX1	ENSG00000143369-ECM1
ENSG00000129355-CDKN2D	ENSG00000134333-LDHA	ENSG00000137752-CASP1	ENSG00000143434-SEMA6C
ENSG00000129514-FOXA1	ENSG00000134470-IL15RA	ENSG00000137936-BCAR3	ENSG00000143537-IMPAA15
ENSG00000130038-CRACR2A	ENSG00000134508-CABLES1	ENSG00000137992-DBT	ENSG00000143546-S100A8
ENSG00000130054-FAM155B	ENSG00000134716-CYP2J2	ENSG00000137996-RTCA	ENSG00000143643-TTC13
ENSG00000130150-MOSPD2	ENSG00000134775-FHOD3	ENSG00000138061-CYP1B1	ENSG00000143797-MBOAT2
ENSG00000130305-NSUN5	ENSG00000134882-UBAC2	ENSG00000138071-ACR2	ENSG00000143811-PYCR2
ENSG00000130312-MRPL34	ENSG00000134954-ETS1	ENSG00000138134-STAMBPL1	ENSG00000143816-WNT9A
ENSG00000130589-HELZ2	ENSG00000134996-OSTF1	ENSG00000138303-ASCC1	ENSG00000143842-SOX13
ENSG00000130707-ASS1	ENSG00000135002-RFK	ENSG00000138395-CDK15	ENSG00000144021-CIAO1
ENSG00000130748-TMEM160	ENSG00000135047-CTS1	ENSG00000138430-OLA1	ENSG00000144034-TPRKB
ENSG00000130762-ARHGEF16	ENSG00000135070-ISCA1	ENSG00000138669-PRKG2	ENSG00000144136-SLC20A1
ENSG00000130772-MED18	ENSG00000135074-ADAM19	ENSG00000138678-AGPAT9	ENSG00000144161-ZC3H8
ENSG00000130962-PRRG1	ENSG00000135090-TAOK3	ENSG00000138764-CNG2	ENSG00000144224-UBXN4
ENSG00000131037-EPS8L1	ENSG00000135127-CCDC64	ENSG00000138821-SLC39A8	ENSG00000144362-PHOSPHO2
ENSG00000131174-COX7B	ENSG00000135148-TRAFD1	ENSG00000139182-CLSTN3	ENSG00000144401-METTL21A
ENSG00000131242-RAB11FIP4	ENSG00000135245-HILPDA	ENSG00000139192-TAPBPL	ENSG00000144567-FAM134A
ENSG00000131370-SH3BP5	ENSG00000135315-CEP162	ENSG00000139211-AMIGO2	ENSG00000144635-DYNC1L1
ENSG00000131446-MGAT1	ENSG00000135404-CD63	ENSG00000139405-RITA1	ENSG00000144711-IQSEC1
ENSG00000131473-ACLY	ENSG00000135414-GDF11	ENSG00000139436-GIT2	ENSG00000144746-ARL6IP5
ENSG00000131480-AOC2	ENSG00000135441-BLOC1S1	ENSG00000139636-LMBR1L	ENSG00000144840-RABL3
ENSG00000131844-MCCC2	ENSG00000135480-KRT7	ENSG00000139719-VPS33A	ENSG00000144909-OSBPL11
ENSG00000131931-THAP1	ENSG00000135617-PRADC1	ENSG00000139910-NOVA1	ENSG00000144959-NCEH1
ENSG00000131943-C19orf12	ENSG00000135686-KLHL36	ENSG00000140006-WDR89	ENSG00000145050-MANF
ENSG00000131944-C19orf40	ENSG00000135723-FHOD1	ENSG00000140199-SLC12A6	ENSG00000145331-TRMT10A
ENSG00000131979-GCH1	ENSG00000135750-KCNK1	ENSG00000140323-DISP2	ENSG00000145349-CAMK2D
ENSG00000132003-ZSWIM4	ENSG00000135828-RNASEL	ENSG00000140365-COMMD4	ENSG00000145780-FEM1C
ENSG00000132024-CC2D1A	ENSG00000135842-FAM129A	ENSG00000140403-DNAJA4	ENSG00000145819-ARHGAP26
ENSG00000132357-CARD6	ENSG00000135900-MRPL44	ENSG00000140455-USP3	ENSG00000145879-SPINK7
ENSG00000132386-SERPINF1	ENSG00000135919-SERPINE2	ENSG00000140465-CYP1A1	ENSG00000145882-PCYOX1L
ENSG00000132481-TRIM47	ENSG00000135940-COX5B	ENSG00000140474-ULK3	ENSG00000146143-PRIM2
ENSG00000132541-HRSP12	ENSG00000135953-MFSD9	ENSG00000140526-ABHD2	ENSG00000146242-TPBG
ENSG00000132623-ANKEF1	ENSG00000136143-SUCLA2	ENSG00000140612-SEC11A	ENSG00000146433-TMEM181
ENSG00000132676-DAP3	ENSG00000136147-PHF11	ENSG00000140961-OSGIN1	ENSG00000146476-C6orf211
ENSG00000132718-SYT11	ENSG00000136261-BZW2	ENSG00000141179-PCTP	ENSG00000146535-GNAI2
ENSG00000132773-TOE1	ENSG00000136295-TTYH3	ENSG00000141401-IMPAA2	ENSG00000147202-DIAPH2
ENSG00000132801-ZSWIM3	ENSG00000136436-CALCOCO2	ENSG00000141424-SLC39A6	ENSG00000147224-PRPS1

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000147457-CHMP7	ENSG00000153774-CFDP1	ENSG00000159556-ISL2	ENSG00000164078-MST1R
ENSG00000147654-EBAG9	ENSG00000153982-GDPD1	ENSG00000159720-ATP6V0D1	ENSG00000164081-TEX264
ENSG00000147676-MAL2	ENSG00000154274-C4orf19	ENSG00000159871-LYPD5	ENSG00000164086-DUSP7
ENSG00000147852-VLDLR	ENSG00000154328-NEIL2	ENSG00000159885-ZNF222	ENSG00000164093-PITX2
ENSG00000147853-AK3	ENSG00000154518-ATP5G3	ENSG00000160111-CPAMD8	ENSG00000164172-MOCS2
ENSG00000147874-HAUS6	ENSG00000154556-SORBS2	ENSG00000160180-TFF3	ENSG00000164180-TMEM161B
ENSG00000148187-MRRF	ENSG00000154639-CXADR	ENSG00000160191-PDE9A	ENSG00000164209-SLC25A46
ENSG00000148331-ASB6	ENSG00000154723-ATP5J	ENSG00000160219-GAB3	ENSG00000164305-CASP3
ENSG00000148634-HERC4	ENSG00000154727-GABPA	ENSG00000160570-DEDD2	ENSG00000164430-MB21D1
ENSG00000148660-CAMK2G	ENSG00000154764-WNT7A	ENSG00000160588-MPZL3	ENSG00000164532-TBX20
ENSG00000148672-GLUD1	ENSG00000154814-OXNAD1	ENSG00000160685-ZBTB7B	ENSG00000164615-CAMLG
ENSG00000148719-DNAJB12	ENSG00000154917-RAB6B	ENSG00000160691-SHC1	ENSG00000164758-MED30
ENSG00000148798-INA	ENSG00000155085-AK9	ENSG00000161277-THAP8	ENSG00000164674-SYTL3
ENSG00000148834-GSTO1	ENSG00000155090-KLF10	ENSG00000161281-COX7A1	ENSG00000164683-HEY1
ENSG00000148925-BTBD10	ENSG00000155100-OTUD6B	ENSG00000161558-TMEM143	ENSG00000164687-FABP5
ENSG00000149100-EIF3M	ENSG00000155158-TTC39B	ENSG00000161905-ALOX15	ENSG00000164825-DEFB1
ENSG00000149218-ENDOD1	ENSG00000155189-AGPAT5	ENSG00000162129-CLPB	ENSG00000164830-OXR1
ENSG00000149300-C11orf52	ENSG00000155265-GOLGA7B	ENSG00000162337-LRP5	ENSG00000164877-MICALL2
ENSG00000149418-ST14	ENSG00000155304-HSPA13	ENSG00000162368-CMPK1	ENSG00000164934-DCAF13
ENSG00000149782-PLCB3	ENSG00000155324-GRAMD3	ENSG00000162396-PARS2	ENSG00000164970-FAM219A
ENSG00000149922-TBX6	ENSG00000155463-OXA1L	ENSG00000162398-C1orf177	ENSG00000164976-KIAA1161
ENSG00000149923-PPP4C	ENSG00000155465-SLC7A7	ENSG00000162441-LZIC	ENSG00000164978-NUDT2
ENSG00000149930-TAOK2	ENSG00000155621-C9orf85	ENSG00000162639-HENMT1	ENSG00000165029-ABCA1
ENSG00000150455-TIRAP	ENSG00000155792-DEPTOR	ENSG00000162676-GFI1	ENSG00000165061-ZMAT4
ENSG00000150527-CTAGE5	ENSG00000155846-PPARGC1B	ENSG00000162729-IGSF8	ENSG00000165097-KDM1B
ENSG00000150636-CCDC102B	ENSG00000155858-LSM11	ENSG00000162746-FCRLB	ENSG00000165125-TRPV6
ENSG00000150787-PTS	ENSG00000155868-MED7	ENSG00000162813-BPNT1	ENSG00000165140-FBP1
ENSG00000150873-C2orf50	ENSG00000156453-PCDH1	ENSG00000162817-C1orf115	ENSG00000165175-MID1IP1
ENSG00000150977-RILPL2	ENSG00000156521-TYSND1	ENSG00000162819-BROX	ENSG00000165233-C9orf89
ENSG00000151151-IPMK	ENSG00000156709-AIFM1	ENSG00000162836-ACP6	ENSG00000165355-FBXO33
ENSG00000151176-PLBD2	ENSG00000156804-FBXO32	ENSG00000162852-CNST	ENSG00000165389-SPTSSA
ENSG00000151458-ANKRD50	ENSG00000156966-B3GNT7	ENSG00000162927-PUS10	ENSG00000165487-MICU2
ENSG00000151461-UPF2	ENSG00000157184-CPT2	ENSG00000163131-CTSS	ENSG00000165495-PKNOX2
ENSG00000151465-CDC123	ENSG00000157193-LRP8	ENSG00000163156-SCNM1	ENSG00000165507-C10orf10
ENSG00000151470-C4orf33	ENSG00000157782-CABP1	ENSG00000163166-IWS1	ENSG00000165629-ATP5C1
ENSG00000151500-THYN1	ENSG00000157827-FMNL2	ENSG00000163249-CCNYL1	ENSG00000165672-PRDX3
ENSG00000151532-VTI1A	ENSG00000158125-XDH	ENSG00000163281-GNPDA2	ENSG00000165678-GHITM
ENSG00000151611-MMAA	ENSG00000158201-ABHD3	ENSG00000163286-ALPL2	ENSG00000165684-SNAPC4
ENSG00000151651-ADAM8	ENSG00000158470-B4GALT5	ENSG00000163376-KBTBD8	ENSG00000165861-ZFYVE1
ENSG00000151690-MFSD6	ENSG00000158552-ZFAND2B	ENSG00000163382-APOA1BP	ENSG00000165916-PSMC3
ENSG00000151729-SLC25A4	ENSG00000158604-TMED4	ENSG00000163412-EIF4E3	ENSG00000165995-CACNB2
ENSG00000151743-AMN1	ENSG00000158615-PPP1R15B	ENSG00000163479-SSR2	ENSG00000166024-R3HCC1L
ENSG00000151883-PARP8	ENSG00000158773-USF1	ENSG00000163528-CHCHD4	ENSG00000166145-SPINT1
ENSG00000152359-POC5	ENSG00000158882-TOMM40L	ENSG00000163626-COX18	ENSG00000166189-HPS6
ENSG00000152377-SPOCK1	ENSG00000159079-C21orf59	ENSG00000163659-TIPARP	ENSG00000166272-WBP1L
ENSG00000152620-NADK2	ENSG00000159314-ARHGAP27	ENSG00000163661-PTX3	ENSG00000166289-PLEKHF1
ENSG00000152669-CCNO	ENSG00000159346-ADIPOR1	ENSG00000163686-ABHD6	ENSG00000166311-SMPD1
ENSG00000152683-SLC30A6	ENSG00000159348-CYB5R1	ENSG00000164054-SHISA5	ENSG00000166411-IDH3A
ENSG00000153029-MR1	ENSG00000159377-PSMB4	ENSG00000164062-APEH	ENSG00000166478-ZNF143
ENSG00000153233-PTPRR	ENSG00000159399-HK2	ENSG00000164074-C4orf29	

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000166557-TMED3	ENSG00000170185-USP38	ENSG00000175315-CST6	ENSG00000181885-CLDN7
ENSG00000166595-FAM96B	ENSG00000170340-B3GNT2	ENSG00000175348-TMEM9B	ENSG00000181924-COA4
ENSG00000166681-NGFRAP1	ENSG00000170379-FAM115C	ENSG00000175416-CLTB	ENSG00000181938-GINS3
ENSG00000166710-B2M	ENSG00000170469-SPATA24	ENSG00000175556-LONRF3	ENSG00000182199-SHMT2
ENSG00000166908-PIP4K2C	ENSG00000170477-KRT4	ENSG00000175707-KDF1	ENSG00000182400-TRAPPC6B
ENSG00000167034-NKX3-1	ENSG00000170502-NUDT9	ENSG00000175756-AURKAIP1	ENSG00000182405-PGBD4
ENSG00000167113-COQ4	ENSG00000170638-TRABD	ENSG00000175893-ZDHHC21	ENSG00000182704-TSKU
ENSG00000167703-SLC43A2	ENSG00000171124-FUT3	ENSG00000176092-AIM1L	ENSG00000182919-C11orf54
ENSG00000167757-KLK11	ENSG00000171155-C1GALT1C1	ENSG00000176101-SSNA1	ENSG00000182957-SPATA13
ENSG00000167772-ANGPTL4	ENSG00000171163-ZNF692	ENSG00000176182-MYPOP	ENSG00000182993-C12orf60
ENSG00000167815-PRDX2	ENSG00000171223-JUNB	ENSG00000176194-CIDEA	ENSG00000183111-ARHGEF37
ENSG00000167861-HID1	ENSG00000171224-C10orf35	ENSG00000176531-PHLDB3	ENSG00000183145-RIPPLY3
ENSG00000167925-GHDC	ENSG00000171310-CHST11	ENSG00000176542-KIAA2018	ENSG00000183506-PI4KAP2
ENSG00000167977-KCTD5	ENSG00000171428-NAT1	ENSG00000176678-FOXL1	ENSG00000183826-BTBD9
ENSG00000168002-POLR2G	ENSG00000171497-PPID	ENSG00000176845-METRNL	ENSG00000183914-DNAH2
ENSG00000168000-ETFPD3	ENSG00000171503-ETFDH	ENSG00000176871-WSB2	ENSG00000184076-UQCOR10
ENSG00000168079-SCARA5	ENSG00000171522-PTGER4	ENSG00000177119-ANO6	ENSG00000184277-TM2D3
ENSG00000168216-LMBRD1	ENSG00000171763-SPATA5L1	ENSG00000177283-FZD8	ENSG00000184292-TACSTD2
ENSG00000168243-GNG4	ENSG00000171812-COL8A2	ENSG00000177303-CASKIN2	ENSG00000184378-ACTRT3
ENSG00000168275-COA6	ENSG00000171867-PRNP	ENSG00000177380-PPFIA3	ENSG00000184481-FOXA0
ENSG00000168288-MMADHC	ENSG00000171903-CYP4F11	ENSG00000177465-ACOT4	ENSG00000184523-PTGER4P2
ENSG00000168398-BDKRB2	ENSG00000171928-TVP23B	ENSG00000177853-ZNF518A	ENSG00000185015-CA13
ENSG00000168404-MLKL	ENSG00000171956-FOXB1	ENSG00000177885-GRB2	ENSG00000185043-CIB1
ENSG00000168453-HR	ENSG00000172183-ISG20	ENSG00000178038-ALS2CL	ENSG00000185100-ADSSL1
ENSG00000168476-REEP4	ENSG00000172269-DPAGT1	ENSG00000178078-STAP2	ENSG00000185127-C6orf120
ENSG00000168528-SERINC2	ENSG00000172270-BSG	ENSG00000178096-BOLA1	ENSG00000185222-WBP5
ENSG00000168672-FAM84B	ENSG00000172331-BPGM	ENSG00000178150-ZNF114	ENSG00000185238-PRMT3
ENSG00000168899-VAMP5	ENSG00000172465-TCEAL1	ENSG00000178363-CALML3	ENSG00000185483-ROR1
ENSG00000168917-SLC35G2	ENSG00000172936-MYD88	ENSG00000178381-ZFAND2A	ENSG00000185515-BRCC3
ENSG00000169021-UQCRFS1	ENSG00000172939-OXSR1	ENSG00000178537-SLC25A20	ENSG00000185591-SP1
ENSG00000169032-MAP2K1	ENSG00000172985-SH3RF3	ENSG00000178741-COX5A	ENSG00000185614-FAM212A
ENSG00000169203-NPIP	ENSG00000173153-ESRRA	ENSG00000178896-EXOSC4	ENSG00000185627-PSMD13
ENSG00000169223-LMAN2	ENSG00000173156-RHOD	ENSG00000178951-ZBTB7A	ENSG00000185803-SLC52A2
ENSG00000169241-SLC50A1	ENSG00000173227-SYT12	ENSG00000178952-TUFM	ENSG00000185825-BCAP31
ENSG00000169255-B3GALNT1	ENSG00000173264-GPR137	ENSG00000178982-EIF3K	ENSG00000185875-THNSL1
ENSG00000169258-GPRIN1	ENSG00000173457-PPP1R14B	ENSG00000179041-RRS1	ENSG00000185883-ATP6V0C
ENSG00000169330-KIAA1024	ENSG00000173486-FKBP2	ENSG00000179091-CYC1	ENSG00000185924-RTN4RL1
ENSG00000169403-PTAFR	ENSG00000173548-SNX33	ENSG00000179115-FARSA	ENSG00000186010-NDUFA13
ENSG00000169418-NPR1	ENSG00000173559-NABP1	ENSG00000179241-LDLRAD3	ENSG00000186130-ZBTB6
ENSG00000169427-KCNK9	ENSG00000173599-PC	ENSG00000179403-VWA1	ENSG00000186132-C2orf76
ENSG00000169435-RASSF6	ENSG00000174013-FBXO45	ENSG00000179630-LACC1	ENSG00000186283-TOR3A
ENSG00000169504-CLIC4	ENSG00000174130-TLR6	ENSG00000179918-SEPHS2	ENSG00000186462-NAP1L2
ENSG00000169598-DFFB	ENSG00000174151-CYB561D1	ENSG00000179958-DCTPP1	ENSG00000186526-CYP4F8
ENSG00000169682-SPNS1	ENSG00000174307-PHLDA3	ENSG00000180104-EXOC3	ENSG00000186529-CYP4F3
ENSG00000169684-CHRNA5	ENSG00000174405-LIG4	ENSG00000180353-HCLS1	ENSG00000186642-PDE2A
ENSG00000169851-PCDH7	ENSG00000174567-GOLT1A	ENSG00000180881-CAPS2	ENSG00000186665-C17orf58
ENSG00000169860-P2RY1	ENSG00000174749-C4orf32	ENSG00000180884-ZNF792	ENSG00000186684-CYP27C1
ENSG00000169914-OTUD3	ENSG00000175073-VCPIP1	ENSG00000181274-FRAT2	ENSG00000187051-RPS19BP1
ENSG00000170088-TMEM192	ENSG00000175183-CSRP2	ENSG00000181585-TMIE	ENSG00000187446-CHP1
ENSG00000170142-UBE2E1	ENSG00000175294-CATSPER1	ENSG00000181751-C5orf30	ENSG00000187531-SIRT7

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000187837-HIST1H1C	ENSG00000198805-PNP	ENSG00000223700-AC104395.1	ENSG00000243646-IL10RB
ENSG00000187984-ANKRD19P	ENSG00000198825-INPP5F	ENSG00000223784-RP11-55418.2	ENSG00000244048-RPS18P6
ENSG00000188051-TMEM221	ENSG00000198855-FICD	ENSG00000223875-NBEAP3	ENSG00000244242-IFITM10
ENSG00000188257-PLA2G2A	ENSG00000198863-RNUDC1	ENSG00000223980-HLA-A	ENSG00000246526-RP11-539L10.2
ENSG00000188522-FAM83G	ENSG00000198873-GRK5	ENSG00000224032-EPB41L4A-AS1	ENSG00000247271-ZBED5-AS1
ENSG00000188549-C15orf52	ENSG00000198937-CCDC167	ENSG00000224051-CPTP	ENSG00000247596-TWF2
ENSG00000188559-RALGAPA2	ENSG00000198948-MFAP3L	ENSG00000224100-AP001630.5	ENSG00000247626-MARS2
ENSG00000188603-CLN3	ENSG00000203392-CTD-2026K11.6	ENSG00000224773-HSPA8P7	ENSG00000248099-INSL3
ENSG00000188690-UROS	ENSG00000203485-INF2	ENSG00000224857-RP11-344P13.1	ENSG00000248124-RRN3P1
ENSG00000188732-FAM221A	ENSG00000203739-RP11-296O14.3	ENSG00000225345-SNX18P3	ENSG00000248175-CTC-428G20.3
ENSG00000188760-TMEM198	ENSG00000203783-PRR9	ENSG00000225950-NTF4	ENSG00000250722-SEPP1
ENSG00000188811-NHLRC3	ENSG00000203814-HIST2H2BF	ENSG00000226562-CYP4F26P	ENSG00000251141-RP11-53O19.1
ENSG00000188917-TRMT2B	ENSG00000204070-SYS1	ENSG00000227471-AKR1B15	ENSG00000253738-OTUD6B-AS1
ENSG00000189212-DPY19L2P1	ENSG00000204272-LINC01420	ENSG00000227953-LINC01341	ENSG00000253972-RP11-4K16.2
ENSG00000196074-SYCP2	ENSG00000204673-AKT1S1	ENSG00000228299-HLA-C	ENSG00000254783-RP11-320L11.2
ENSG00000196116-TDRD7	ENSG00000204860-FAM201A	ENSG00000228340-MIR646HG	ENSG00000256462-RP11-116G8.5
ENSG00000196151-WDSUB1	ENSG00000204923-FBXO48	ENSG00000228434-AC004951.6	ENSG00000257052-RP11-881M11.2
ENSG00000196378-ZNF34	ENSG00000204967-PCDHA4	ENSG00000228672-PROB1	ENSG00000258077-RP11-114H23.1
ENSG00000196449-YRDC	ENSG00000205220-PSMB10	ENSG00000228794-LINC01128	ENSG00000258377-RP11-649E7.5
ENSG00000196505-GDAP2	ENSG00000205356-TECPR1	ENSG00000229715-EEF1DP3	ENSG00000258981-COX5AP2
ENSG00000196544-C17orf59	ENSG00000205413-SAMD9	ENSG00000230479-AP000695.6	ENSG00000259275-RP11-522B15.3
ENSG00000196593-ANKRD20A19P	ENSG00000205517-RGL3	ENSG00000230650-AC112229.1	ENSG00000259714-LINC00594
ENSG00000196670-ZFP62	ENSG00000206140-TMEM191C	ENSG00000231196-RP11-495P10.8	ENSG00000259838-TCEB1P2
ENSG00000196839-ADA	ENSG00000206450-HLA-B	ENSG00000231345-BEND3P1	ENSG00000260336-RP11-395B7.7
ENSG00000196873-CBWD3	ENSG00000207399-RNU6-1011P	ENSG00000232126-HLA-B	ENSG00000260461-RP11-541N10.3
ENSG00000196954-CASP4	ENSG00000210077-MT-TV	ENSG00000233190-RPS24P13	ENSG00000260742-RP11-366L5.1
ENSG00000196961-AP2A1	ENSG00000210082-MT-RNR2	ENSG00000233217-MROH3P	ENSG00000260841-CTC-205M6.5
ENSG00000197063-MAFG	ENSG00000212864-RNF208	ENSG00000234176-HSPA8P1	ENSG00000260852-FBXL19-AS1
ENSG00000197150-ABCB8	ENSG00000212866-HSPA1B	ENSG00000234283-RP11-495P10.6	ENSG00000260917-RP11-541N14.4
ENSG00000197170-PSMD12	ENSG00000213199-ASIC3	ENSG00000234518-PTGES3P1	ENSG00000260934-CTA-363E6.7
ENSG00000197261-C6orf141	ENSG00000213391-RP11-66N11.6	ENSG00000234699-RP11-225H22.4	ENSG00000261068-RP11-7K24.3
ENSG00000197279-ZNF165	ENSG00000213614-HEXA	ENSG00000234962-LINC00700	ENSG00000261104-RP11-734K21.5
ENSG00000197444-OGDHL	ENSG00000213619-NDUFS3	ENSG00000235217-TSPY26P	ENSG00000261286-RP11-517C16.2
ENSG00000197448-GSTK1	ENSG00000213889-PPM1N	ENSG00000235944-ZNF815P	ENSG00000261437-RP11-22C11.2
ENSG00000197457-STMN3	ENSG00000213930-GALT	ENSG00000236287-ZBED5	ENSG00000261455-LINC01003
ENSG00000197746-PSAP	ENSG00000213965-NUDT19	ENSG00000236423-LINC01134	ENSG00000261534-RP11-244O19.1
ENSG00000197774-EME2	ENSG00000214248-CTD-3193O13.12	ENSG00000236496-GPS2P1	ENSG00000261578-RP11-21L23.2
ENSG00000197780-TAF13	ENSG00000214517-PPME1	ENSG00000236824-BCYRN1	ENSG00000261740-RP11-345J4.5
ENSG00000197818-SLC9A8	ENSG00000215021-PHB2	ENSG00000237022-HLA-C	ENSG00000261786-RP4-555D20.2
ENSG00000197971-MBP	ENSG00000215039-CD27-AS1	ENSG00000237172-B3GNT9	ENSG00000262583-RP11-77K12.5
ENSG00000198001-IRAK4	ENSG00000215251-FASTKD5	ENSG00000237289-CKMT1B	ENSG00000263956-NBPF11
ENSG00000198026-ZNF335	ENSG00000215328-HSPA1A	ENSG00000238107-RP11-495P10.5	ENSG00000265972-TXNIP
ENSG00000198125-MB	ENSG00000217442-SYCE3	ENSG00000239472-RN7SL221P	ENSG00000266032-AL357515.1
ENSG00000198130-HIBCH	ENSG00000217801-RP11-465B22.3	ENSG00000240230-COX19	ENSG00000266176-RP11-855A2.5
ENSG00000198168-SVIP	ENSG00000219200-RNASEK	ENSG00000240344-PPIL3	ENSG00000266208-CTD-2267D19.3
ENSG00000198171-DDRGK1	ENSG00000219891-ZSCAN12P1	ENSG00000240854-RP11-64K7.1	ENSG00000267056-AC005336.4
ENSG00000198189-HSD17B11	ENSG00000220205-VAMP2	ENSG00000241732-RP11-38P22.2	ENSG00000267062-CTD-2659N19.10
ENSG00000198346-ZNF813	ENSG00000221866-PLXNA4	ENSG00000242147-RP13-463N16.6	ENSG00000267475-CTD-2538C1.2
ENSG00000198598-MMP17	ENSG00000221869-CEBPD	ENSG00000243147-MRPL33	ENSG00000268001-CTC-241F20.3
ENSG00000198794-SCAMP5	ENSG00000223484-TRPC6P	ENSG00000243279-PRAF2	ENSG00000268460-DKFZp434J0226

Genes uniquely upregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000268913-AC026806.2
ENSG00000269926-RP11-442H21.2
ENSG00000270011-ZNF559-ZNF177
ENSG00000270659-RP11-105N14.1
ENSG00000271303-SRXN1
ENSG00000271430-RP3-368A4.5
ENSG00000271976-RP11-884K10.7
ENSG00000272068-RP11-284F21.9
ENSG00000272086-CTD-2186M15.3
ENSG00000272129-RP11-250B2.6
ENSG00000272141-RP11-465B22.8
ENSG00000272255-CTD-3224K15.3
ENSG00000272405-RP11-284F21.10
ENSG00000272414-FAM47E-STBD1
ENSG00000272796-RP1-74M1.3
ENSG00000272851-RP11-801F7.1
ENSG00000273252-OR7E39P
ENSG00000273297-RP11-38M8.1
ENSG00000273983-HIST1H3G
ENSG00000274012-Metazoa_SRP
ENSG00000274180-NATD1
ENSG00000274523-WBSCR16
ENSG00000274828-RP11-567M16.6
ENSG00000275074-NUDT18
ENSG00000275111-ZNF2
ENSG00000275223-RP1-63M2.7
ENSG00000275512-RP11-322E11.2
ENSG00000276170-AC124789.1
ENSG00000276836-AC217778.3
ENSG00000276953-TRBV12-4
ENSG00000277363-SRCIN1
ENSG00000278097-AC131056.5
ENSG00000278615-C11orf98
ENSG00000278727-AC000403.4
ENSG00000278970-HEIH
ENSG00000279022-RP11-250B2.4
ENSG00000279227-AC009303.2
ENSG00000279272-AC109925.1
ENSG00000279673-RP11-185E8.2
ENSG00000280010-AP001350.4

2) Genes uniquely upregulated in SW780 cells following rosiglitazone treatment

ENSG0000006747-SCIN	ENSG00000116717-GADD45A	ENSG00000162576-MXRA8	ENSG00000203499-FAM83H-AS1
ENSG00000010278-CD9	ENSG00000119408-NEK6	ENSG00000162928-PEX13	ENSG00000203697-CAPN8
ENSG00000019102-VSIG2	ENSG00000119411-BSPRY	ENSG00000163568-AIM2	ENSG00000204021-LIPK
ENSG00000023445-BIRC3	ENSG00000119917-IFIT3	ENSG00000164266-SPINK1	ENSG00000213694-S1PR3
ENSG00000055332-EIF2AK2	ENSG00000121068-TBX2	ENSG00000164418-GRIK2	ENSG00000214269-LGMNP1
ENSG00000065054-SLC9A3R2	ENSG00000121797-CCRL2	ENSG00000165887-ANKRD2	ENSG00000216937-CCDC7
ENSG00000065717-TLE2	ENSG00000121966-CXCR4	ENSG00000166750-SLFN5	ENSG00000223361-FTH1P10
ENSG00000068079-IFI35	ENSG00000122861-PLAU	ENSG00000166828-SCNN1G	ENSG00000223804-CH17-472G23.2
ENSG00000073060-SCARB1	ENSG00000122870-BICC1	ENSG00000166920-C15orf48	ENSG00000223822-EEF1A1P1
ENSG00000075035-WSCD2	ENSG00000128342-LIF	ENSG00000167468-GPX4	ENSG00000232573-RPL3P4
ENSG00000076864-RAP1GAP	ENSG00000129451-KLK10	ENSG00000167676-PLIN4	ENSG00000233056-ERVH48-1
ENSG00000079459-DFIT1	ENSG00000130055-GDPD2	ENSG00000167767-KRT80	ENSG00000233198-RNF224
ENSG00000080031-PTPRH	ENSG00000130193-THEM6	ENSG00000168062-BATF2	ENSG00000234745-HLA-B
ENSG00000085831-TTC39A	ENSG00000130224-LRCH2	ENSG00000168447-SCNN1B	ENSG00000238266-LINC00707
ENSG00000086548-CEACAM6	ENSG00000130487-KLHDC7B	ENSG00000168907-PLA2G4F	ENSG00000239510-RPL9P5
ENSG00000087074-PPP1R15A	ENSG00000130600-H19	ENSG00000169248-CXCL11	ENSG00000242759-LINC00882
ENSG00000088002-SULT2B1	ENSG00000130829-DUSP9	ENSG00000169474-SPRR1A	ENSG00000243071-RP11-613M5.2
ENSG00000092200-RPGRIP1	ENSG00000131981-LGALS3	ENSG00000169710-FASN	ENSG00000243449-C4orf48
ENSG00000095637-SORBS1	ENSG00000132530-XAF1	ENSG00000170190-SLC16A5	ENSG00000245848-CEBPA
ENSG00000099219-ERMP1	ENSG00000132746-ALDH3B2	ENSG00000171105-INSR	ENSG00000247844-CCAT1
ENSG00000103000-TSPO	ENSG00000134184-GSTM1	ENSG00000171130-ATP6V0E2	ENSG00000259717-LINC00677
ENSG00000101265-RASSF2	ENSG00000134326-CMPK2	ENSG00000171222-SCAND1	ENSG00000263155-MYZAP
ENSG00000102109-PCSK1N	ENSG00000134955-SLC37A2	ENSG00000171940-ZNF217	ENSG00000265107-GJA5
ENSG00000102882-MAPK3	ENSG00000135374-ELF5	ENSG00000172461-FUT9	ENSG00000265170-RN7SL667P
ENSG00000102890-ELMO3	ENSG00000135549-PKIB	ENSG00000173124-ACSM6	ENSG00000265688-MAFG-AS1
ENSG00000102996-MMP15	ENSG00000135587-SMPD2	ENSG00000173237-C11orf86	ENSG00000267237-AC092299.6
ENSG00000103034-NDRG4	ENSG00000135899-SP110	ENSG00000175567-UCP2	ENSG00000267368-UPK3BL
ENSG00000103089-FA2H	ENSG00000137261-KIAA0319	ENSG00000177294-FBXO39	ENSG00000267580-CTD-2540B15.11
ENSG00000104067-TJP1	ENSG00000137628-DDX60	ENSG00000177675-CD163L1	ENSG00000269038-AP001462.6
ENSG00000104626-ERI1	ENSG00000137648-TMPRSS4	ENSG00000178826-TMEM139	ENSG00000269516-CYP4F23P
ENSG00000104915-STX10	ENSG00000137709-POU2F3	ENSG00000178980-SEPW1	ENSG00000272079-LA16c-380H5.5
ENSG00000104953-TLE6	ENSG00000138152-BTBD16	ENSG00000179023-KLHDC7A	ENSG00000272327-RP11-1002K11.1
ENSG00000105357-MYH14	ENSG00000138496-PARP9	ENSG00000180316-PNPLA1	ENSG00000273997-RP11-361F15.5
ENSG00000105379-ETFB	ENSG00000138642-HERC6	ENSG00000181830-SLC35C1	ENSG00000274002-RP11-66N24.6
ENSG00000105409-ATP1A3	ENSG00000139433-GLTP	ENSG00000183486-MX2	ENSG00000274356-RP11-216L13.21
ENSG00000105520-LPPR2	ENSG00000139725-RHOF	ENSG00000183778-B3GALT5	ENSG00000274415-RP11-433J22.2
ENSG00000105640-RPL18A	ENSG00000140459-CYP11A1	ENSG00000184232-OAF	ENSG00000275371-RP11-455F5.6
ENSG00000105655-ISYNA1	ENSG00000142973-CYP4B1	ENSG00000184408-KCND2	ENSG00000275430-MUC20
ENSG00000107882-SUFU	ENSG00000143412-ANXA9	ENSG00000185432-METTL7A	ENSG00000275896-PRSS3P2
ENSG00000110080-ST3GAL4	ENSG00000148175-STOM	ENSG00000185442-FAM174B	ENSG00000279457-FO538757.2
ENSG00000110400-PVRL1	ENSG00000149428-HYOU1	ENSG00000185745-IFIT1	
ENSG00000111319-SCNN1A	ENSG00000156299-TIAM1	ENSG00000186350-RXRA	
ENSG00000111341-MGP	ENSG00000156381-ANKRD9	ENSG00000186470-BTN3A2	
ENSG00000111863-ADTRP	ENSG00000156711-MAPK13	ENSG00000186480-INSIG1	
ENSG00000111885-MAN1A1	ENSG00000157601-MX1	ENSG00000188641-DPYD	
ENSG00000112149-CD83	ENSG00000158106-RHPN1	ENSG00000196188-CTSE	
ENSG00000115107-STEAP3	ENSG00000158555-GDPD5	ENSG00000196205-EEF1A1P5	
ENSG00000115648-MLPH	ENSG00000159921-GNE	ENSG00000196743-GM2A	
ENSG00000116133-DHCR24	ENSG00000161381-PLXDC1	ENSG00000198569-SLC34A3	
ENSG00000116525-TRIM62	ENSG00000162496-DHRS3	ENSG00000198846-TOX	

3) Genes uniquely upregulated in 5637 cells following rosiglitazone treatment

ENSG00000064042-LIMCH1
ENSG00000102760-RGCC
ENSG00000107295-SH3GL2
ENSG00000115008-IL1A
ENSG00000119630-PGF
ENSG00000119986-AVPI1
ENSG00000120899-PTK2B
ENSG00000121769-FABP3
ENSG00000131459-GFPT2
ENSG00000137672-TRPC6
ENSG00000138356-AOX1
ENSG00000147027-TMEM47
ENSG00000148053-NTRK2
ENSG00000162511-LAPTM5
ENSG00000165300-SLITRK5
ENSG00000165424-ZCCHC24
ENSG00000166401-SERPINB8
ENSG00000175592-FOSL1
ENSG00000197646-PDCD1LG2
ENSG00000203877-RIPPLY2
ENSG00000207652-MIR621
ENSG00000257660-RP11-579D7.4
ENSG00000277585-AC239646.1
ENSG00000279469-RP11-215P8.2
ENSG00000279806-RP11-58O9.2

4) Genes upregulated in common in both UMUC1 and SW780 cells following rosiglitazone treatment

ENSG00000002549-LAP3	ENSG00000111684-LPCAT3	ENSG00000152766-ANKRD22	ENSG00000187608-ISG15
ENSG00000004799-PDK4	ENSG00000112699-GMDS	ENSG00000152778-IFIT5	ENSG00000188293-IGFL1
ENSG00000007944-MYLIP	ENSG00000112902-SEMA5A	ENSG00000153292-GPR110	ENSG00000189120-SP6
ENSG00000008394-MGST1	ENSG00000113811-SELK	ENSG00000153574-RPIA	ENSG00000189221-MAOA
ENSG00000016402-IL20RA	ENSG00000114023-FAM162A	ENSG00000154102-C16orf74	ENSG00000196154-S100A4
ENSG000000021300-PLEKHB1	ENSG00000114638-UPK1B	ENSG00000154229-PRKCA	ENSG00000197142-ACSL5
ENSG00000023330-ALAS1	ENSG00000115267-IFIH1	ENSG00000154822-PLCL2	ENSG00000197191-CYSRT1
ENSG00000051523-CYBA	ENSG00000115525-ST3GAL5	ENSG00000155269-GPR78	ENSG00000197562-RAB40C
ENSG00000054179-ENTPD2	ENSG00000116260-QSOX1	ENSG00000155380-SLC16A1	ENSG00000197872-FAM49A
ENSG00000058668-ATP2B4	ENSG00000116574-RHOU	ENSG00000158292-GPR153	ENSG00000198074-AKR1B10
ENSG00000062282-DGAT2	ENSG00000116990-MYCL	ENSG00000158715-SLC45A3	ENSG00000198113-TOR4A
ENSG00000063241-ISOC2	ENSG00000117984-CTSD	ENSG00000158786-PLA2G2F	ENSG00000198246-SPLC9A3
ENSG00000066322-ELOVL1	ENSG00000118777-ABCG2	ENSG00000160179-ABCG1	ENSG00000204991-SPICE2
ENSG00000073737-DHRS9	ENSG00000119899-SLC17A5	ENSG00000161677-JOSD2	ENSG00000205488-CALML3-AS1
ENSG00000075213-SEMA3A	ENSG00000121578-B4GALT4	ENSG00000162069-CCDC64B	ENSG00000214796-RP11-480I2.5
ENSG00000075223-SEMA3C	ENSG00000121691-CAT	ENSG00000162545-CAMK2N1	ENSG00000223532-HLA-B
ENSG00000077942-FBLN1	ENSG00000122971-ACADS	ENSG00000162636-FAM102B	ENSG00000223572-CKMT1A
ENSG00000082074-FYB	ENSG00000123095-BHLHE41	ENSG00000162877-PM20D1	ENSG00000224081-LINC01057
ENSG00000083123-BCKDHB	ENSG00000124215-CDH26	ENSG00000163220-S100A9	ENSG00000227066-RP3-340N1.2
ENSG00000084444-KIAA1467	ENSG00000124299-PEPD	ENSG00000163739-CXCL1	ENSG00000233461-RP11-295G20.2
ENSG00000085662-AKR1B1	ENSG00000124334-IL9P	ENSG00000163993-S100P	ENSG00000237522-NONOP2
ENSG00000085741-WNT11	ENSG00000124466-LYPD3	ENSG00000164120-HPGD	ENSG00000243566-UPK3B
ENSG00000087076-HSD17B14	ENSG00000125508-SRMS	ENSG00000164300-SERINC5	ENSG00000246705-H2AFJ
ENSG00000088340-FER1L4	ENSG00000126709-IFI6	ENSG00000164342-TLR3	ENSG00000260328-RP11-416I2.1
ENSG00000088386-SLC15A1	ENSG00000127329-PTPRB	ENSG00000164626-KCNK5	ENSG00000260604-RP11-140K8.5
ENSG00000089356-FXYD3	ENSG00000128311-TST	ENSG00000166347-CYB5A	ENSG00000260822-GS1-358P8.4
ENSG00000090238-YPEL3	ENSG00000131061-ZNF341	ENSG00000166821-PEX11A	ENSG00000260855-RP11-439E19.10
ENSG00000099194-SCD	ENSG00000132677-RHBG	ENSG00000167114-SLC27A4	ENSG00000261371-PECAM1
ENSG00000100075-SLC25A1	ENSG00000132698-RAB25	ENSG00000167653-PSCA	ENSG00000261888-AC144831.1
ENSG00000100092-SH3BP1	ENSG00000133135-RNF128	ENSG00000169100-SLC25A6	ENSG00000267259-CTD-2008P7.9
ENSG00000100234-TIMP3	ENSG00000134215-VAV3	ENSG00000169583-CLIC3	ENSG00000267795-SMIM22
ENSG00000100280-AP1B1	ENSG00000134317-GRHL1	ENSG00000169605-GKN1	ENSG00000274602-PI4KAP1
ENSG00000100302-RASD2	ENSG00000135218-CD36	ENSG00000169635-HIC2	ENSG00000275482-EPHB6
ENSG00000100867-DHRS2	ENSG00000135318-NT5E	ENSG00000169692-AGPAT2	ENSG00000278843-MMP28
ENSG00000101210-EEF1A2	ENSG00000135643-KCNMB4	ENSG00000170522-ELOVL6	ENSG00000279117-CTD-2562J17.6
ENSG00000101213-PTK6	ENSG00000135926-TMBIM1	ENSG00000171159-C9orf16	ENSG00000279406-RP11-327E2.5
ENSG00000101347-SAMHD1	ENSG00000136059-VILL	ENSG00000171476-HOPX	
ENSG00000101400-SNTA1	ENSG00000137193-PIM1	ENSG00000171813-PWWP2B	
ENSG00000101439-CST3	ENSG00000137486-ARRB1	ENSG00000172889-EGFL7	
ENSG00000101444-AHCY	ENSG00000137745-MMP13	ENSG00000173193-PARP14	
ENSG00000101846-STS	ENSG00000138207-RBP4	ENSG00000173267-SNCG	
ENSG00000102243-VGLL1	ENSG00000138413-IDH1	ENSG00000174327-SLC16A13	
ENSG00000102879-CORO1A	ENSG00000138798-EGF	ENSG00000176387-HSD11B2	
ENSG00000102886-GDPD3	ENSG00000139318-DUSP6	ENSG00000176454-LPCAT4	
ENSG00000103044-HAS3	ENSG00000139329-LUM	ENSG00000176532-PRR15	
ENSG00000104055-TGM5	ENSG00000140374-ETFA	ENSG00000179348-GATA2	
ENSG00000105519-CAPS	ENSG00000140479-PCSK6	ENSG00000179604-CDC42EP4	
ENSG00000105552-BCAT2	ENSG00000141934-PPAP2C	ENSG00000180176-TH	
ENSG00000106123-EPHB6	ENSG00000142623-PADI1	ENSG00000180530-NRIP1	
ENSG00000107104-KANK1	ENSG00000142634-EFHD2	ENSG00000180861-LINC01559	
ENSG00000107201-DDX58	ENSG00000142677-IL22RA1	ENSG00000182606-TRAK1	
ENSG00000107731-UNC5B	ENSG00000143036-SLC44A3	ENSG00000182749-PAQR7	
ENSG00000107736-CDH23	ENSG00000143333-RGS16	ENSG00000184979-USP18	
ENSG00000107738-C10orf54	ENSG00000143653-SCCPDH	ENSG00000185215-TNFAIP2	
ENSG00000108639-SYNGR2	ENSG00000143839-REN	ENSG00000185753-Cxorf38	
ENSG00000109625-CPZ	ENSG00000147689-FAM83A	ENSG00000185989-RASA3	
ENSG00000110042-DTX4	ENSG00000149925-ALDOA	ENSG00000186197-EDARADD	
ENSG00000110721-CHKA	ENSG00000151715-TMEM45B	ENSG00000186204-CYP4F12	
ENSG00000111261-MANSC1	ENSG00000151726-ACSL1	ENSG00000186212-SOWAHB	
ENSG00000111331-OAS3	ENSG00000152642-GPD1L	ENSG00000186832-KRT16	

5) Genes upregulated in common in both SW780 and 5637 cells following rosiglitazone treatment

ENSG00000134668-SPOCD1
ENSG00000137440-FGFBP1
ENSG00000162391-FAM151A
ENSG00000198142-SOWAHC
ENSG00000221890-NPTXR

6) Genes upregulated in common in both UMUC1 and 5637 cells following rosiglitazone treatment

ENSG00000034152-MAP2K3
ENSG00000070190-DAPP1
ENSG00000072778-ACADVL
ENSG00000105825-TFPI2
ENSG00000109321-AREG
ENSG00000110090-CPT1A
ENSG00000111252-SH2B3
ENSG00000113070-HBEGF
ENSG00000113739-STC2
ENSG00000120875-DUSP4
ENSG00000123689-G0S2
ENSG00000124882-EREG
ENSG00000131015-ULBP2
ENSG00000134070-IRAK2
ENSG00000137962-ARHGAP29
ENSG00000138623-SEMA7A
ENSG00000139289-PHLDA1
ENSG00000140450-ARRDC4
ENSG00000159200-RCAN1
ENSG00000163235-TGFA
ENSG00000164690-SHH
ENSG00000166016-ABTB2
ENSG00000169252-ADRB2
ENSG00000172216-CEBPB
ENSG00000176659-C20orf197
ENSG00000178726-THBD
ENSG00000183691-NOG
ENSG00000185668-POU3F1
ENSG00000185950-IRS2
ENSG00000189143-CLDN4
ENSG00000189431-RASSF10
ENSG00000221963-APOL6
ENSG00000276851-RP5-875H18.9

7) Genes upregulated in common in UMUC1, SW780, and 5637 cells following rosiglitazone treatment

ENSG00000011422-PLAUR
ENSG00000103187-COTL1
ENSG00000112769-LAMA4
ENSG00000124107-SLPI
ENSG00000125538-IL1B
ENSG00000128567-PODXL
ENSG00000134240-HMGCS2
ENSG00000136826-KLF4
ENSG00000136869-TLR4
ENSG00000142910-TINAGL1
ENSG00000146072-TNFRSF21
ENSG00000147872-PLIN2
ENSG00000155368-DBI
ENSG00000162390-ACOT11
ENSG00000162645-GBP2
ENSG00000163251-FZD5
ENSG00000169429-CXCL8
ENSG00000170323-FABP4
ENSG00000170385-SLC30A1
ENSG00000173890-GPR160
ENSG00000176485-PLA2G16
ENSG00000177076-ACER2
ENSG00000179913-B3GNT3
ENSG00000237330-RNF223
ENSG00000260912-RP11-363E7.4
ENSG00000276184-UPK3B

8) Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment

ENSG0000001630-CYP51A1	ENSG00000043039-BARX2	ENSG00000074356-C17orf85	ENSG00000088986-DYNLL1
ENSG00000002586-CD99	ENSG00000047644-WWC3	ENSG00000074582-BCS1L	ENSG00000089057-SLC23A2
ENSG00000003096-KLHL13	ENSG00000048342-CC2D2A	ENSG00000074657-ZNF532	ENSG00000089351-GRAMD1A
ENSG00000003137-CYP26B1	ENSG00000049618-ARID1B	ENSG00000075218-GTSE1	ENSG00000089558-KCNH4
ENSG00000005108-THSD7A	ENSG00000050405-LIMA1	ENSG00000075407-ZNF37A	ENSG00000089685-BIRC5
ENSG00000005339-CREBBP	ENSG00000053254-FOXN3	ENSG00000075461-CACNG4	ENSG00000090530-LEPREL1
ENSG00000005448-WDR54	ENSG00000054793-ATP9A	ENSG00000076067-RBMS2	ENSG00000090776-EFNB1
ENSG00000005483-KMT2E	ENSG00000054965-FAM168A	ENSG00000076650-GPATCH1	ENSG00000090861-AARS
ENSG00000005882-PDK2	ENSG00000057294-PKP2	ENSG00000076706-MCAM	ENSG00000090889-KIF4A
ENSG00000006118-TMEM132A	ENSG00000058804-NDC1	ENSG00000077097-TOP2B	ENSG00000090975-PITPNM2
ENSG00000006327-TNFRSF12A	ENSG00000060688-SNRNP40	ENSG00000077713-SLC25A43	ENSG00000091129-NRCAM
ENSG00000006530-AGK	ENSG00000060982-BCAT1	ENSG00000077782-FGFR1	ENSG00000091483-FH
ENSG00000006740-ARHGAP44	ENSG00000063127-SLC6A16	ENSG00000078043-PIAS2	ENSG00000091622-PITPNM3
ENSG00000007866-TEAD3	ENSG00000063180-CA11	ENSG00000078114-NEBL	ENSG00000091651-ORC6
ENSG00000007968-E2F2	ENSG00000063587-ZNF275	ENSG00000078177-N4BP2	ENSG00000091656-ZFX4
ENSG00000008256-CYTH3	ENSG00000063601-MTMR1	ENSG00000078237-C12orf5	ENSG00000092068-SLC7A8
ENSG00000009830-POMT2	ENSG00000064393-HIPK2	ENSG00000078900-TP73	ENSG00000092094-OSGEP
ENSG00000009950-MLXIPL	ENSG00000064655-EYA2	ENSG00000079215-SLC1A3	ENSG00000092096-SLC22A17
ENSG00000009954-BAZ1B	ENSG00000064666-CNN2	ENSG00000079308-TNS1	ENSG00000092445-TYRO3
ENSG00000010810-FYN	ENSG00000064886-CHI3L2	ENSG00000079432-CIC	ENSG00000092621-PHGDH
ENSG00000011028-MRC2	ENSG00000064961-HMG20B	ENSG00000079482-OPHN1	ENSG00000092820-EZR
ENSG00000011114-BTBD7	ENSG00000065485-PDIA5	ENSG00000079616-KIF22	ENSG00000094804-CDC6
ENSG00000011143-MKS1	ENSG00000065618-COL17A1	ENSG00000079785-DDX1	ENSG00000094914-AAAS
ENSG00000011201-KAL1	ENSG00000065970-FOXJ2	ENSG00000080345-RIF1	ENSG00000095002-MSH2
ENSG00000011275-RNF216	ENSG00000066117-SMARCD1	ENSG00000080546-SESN1	ENSG00000095383-TBC1D2
ENSG00000011347-SYT7	ENSG00000066468-FGFR2	ENSG00000080561-MID2	ENSG00000095397-DFNB31
ENSG00000011426-ANLN	ENSG00000066697-SNSANTD3	ENSG00000080839-RBL1	ENSG00000095739-BAMBI
ENSG00000011677-GABRA3	ENSG00000067082-KLF6	ENSG00000080986-NDC80	ENSG00000095951-HIVEP1
ENSG00000013297-CLDN11	ENSG00000067141-NEO1	ENSG00000081277-PKP1	ENSG00000096696-DSP
ENSG00000013306-SLC25A39	ENSG00000067167-TRAM1	ENSG00000081307-UBA5	ENSG00000096746-HNRNPH3
ENSG00000013441-CLK1	ENSG00000067798-NAV3	ENSG00000081320-STK17B	ENSG00000099904-ZDHHC8
ENSG00000013588-GPRC5A	ENSG00000068438-FTSJ1	ENSG00000081377-CDC14B	ENSG00000099949-LZTR1
ENSG00000014914-MTMR11	ENSG00000068489-PRR11	ENSG00000081721-DUSP12	ENSG00000100033-PRODH
ENSG00000019186-CYP24A1	ENSG00000068784-SRBD1	ENSG00000082068-WDR70	ENSG00000100084-HIRA
ENSG00000019485-PRDM11	ENSG00000068976-PYGM	ENSG00000083168-KAT6A	ENSG00000100100-PIK3IP1
ENSG00000020426-MNAT1	ENSG00000069188-SDK2	ENSG00000083290-ULK2	ENSG00000100162-CENPM
ENSG00000020577-SAMD4A	ENSG00000069482-GAL	ENSG00000084112-SSH1	ENSG00000100228-RAB36
ENSG00000021762-OSBPL5	ENSG00000070614-NDST1	ENSG00000084453-SLCO1A2	ENSG00000100297-MCM5
ENSG00000022976-ZNF839	ENSG00000070718-AP3M2	ENSG00000084774-CAD	ENSG00000100311-PDGFB
ENSG00000024422-EHD2	ENSG00000070778-PTPN21	ENSG00000086475-SEPHS1	ENSG00000100350-FOXRED2
ENSG00000024526-DEPDC1	ENSG00000071054-MAP4K4	ENSG00000086570-FAT2	ENSG00000100379-KCTD17
ENSG00000026025-VIM	ENSG00000071967-CYBRD1	ENSG00000087085-ACHE	ENSG00000100393-EP300
ENSG00000026559-KCNG1	ENSG00000072864-NDE1	ENSG00000087086-FTL	ENSG00000100403-ZC3H7B
ENSG00000027847-B4GALT7	ENSG00000073111-MCM2	ENSG00000087586-AURKA	ENSG00000100485-SOS2
ENSG00000029534-ANK1	ENSG00000073282-TP63	ENSG00000088305-DNMT3B	ENSG00000100526-CDKN3
ENSG00000029993-HMGB3	ENSG00000073536-NLE1	ENSG00000088325-TPX2	ENSG00000100650-SRSF5
ENSG00000034239-EFCAB1	ENSG00000073712-FERMT2	ENSG00000088538-DOCK3	ENSG00000100711-ZFYVE21
ENSG00000040608-RTN4R	ENSG00000074047-GLI2	ENSG00000088756-ARHGAP28	ENSG00000100815-TRIP11
ENSG00000041982-TNC	ENSG00000074211-PPP2R2C	ENSG00000088854-C20orf194	ENSG00000100823-APEX1
ENSG00000042832-TG	ENSG00000074219-TEAD2	ENSG00000088881-EBF4	ENSG00000100852-ARHGAP5

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000101003-GINS1	ENSG00000106484-MEST	ENSG00000112282-MED23	ENSG00000117394-SLC2A1
ENSG00000101057-MYBL2	ENSG00000106571-GLI3	ENSG00000112655-PTK7	ENSG00000117399-CDC20
ENSG00000101115-SALL4	ENSG00000106603-COA1	ENSG00000112658-SRF	ENSG00000117411-B4GALT2
ENSG00000101298-SNPH	ENSG00000106628-POLD2	ENSG00000112667-DNPH1	ENSG00000117519-CNN3
ENSG00000101363-MANBAL	ENSG00000106692-FKTN	ENSG00000112701-SENP6	ENSG00000117543-DPH5
ENSG00000101384-JAG1	ENSG00000106799-TGFBR1	ENSG00000112972-HMGCS1	ENSG00000117595-IRF6
ENSG00000101447-FAM83D	ENSG00000106853-PTGR1	ENSG00000112984-KIF20A	ENSG00000117602-RCAN3
ENSG00000101665-SMAD7	ENSG00000107021-TBC1D13	ENSG00000113140-SPARC	ENSG00000117632-STMN1
ENSG00000101825-MXRA5	ENSG00000107249-GLIS3	ENSG00000113272-THG1L	ENSG00000117650-NEK2
ENSG00000101868-POLA1	ENSG00000107263-RAPGEF1	ENSG00000113368-LMNB1	ENSG00000117713-ARID1A
ENSG00000101871-MID1	ENSG00000107438-PDLIM1	ENSG00000113369-ARRDC3	ENSG00000117724-CENPF
ENSG00000101882-NKAP	ENSG00000107672-NSMCE4A	ENSG00000113638-TTC33	ENSG00000118193-KIF14
ENSG00000102007-PLP2	ENSG00000107745-MICU1	ENSG00000113657-DPYSL3	ENSG00000118217-ATF6
ENSG00000102181-CD99L2	ENSG00000107758-PPP3CB	ENSG00000113758-DBN1	ENSG00000118418-HMGN3
ENSG00000102312-PORCN	ENSG00000107862-GBF1	ENSG00000113810-SMC4	ENSG00000118482-PHF3
ENSG00000102316-MAGED2	ENSG00000108312-UBTF	ENSG00000114279-FGF12	ENSG00000118507-AKAP7
ENSG00000102384-CENPI	ENSG00000108349-CASC3	ENSG00000114315-HES1	ENSG00000118785-SPP1
ENSG00000102466-FGF14	ENSG00000108375-RNF43	ENSG00000114744-COMMD2	ENSG00000118816-CCNI
ENSG00000102898-NUTF2	ENSG00000108468-CBX1	ENSG00000114861-FOXP1	ENSG00000118898-PPL
ENSG00000102974-CTCF	ENSG00000108654-DDX5	ENSG00000114923-SLC4A3	ENSG00000118922-KLF12
ENSG00000103021-CCDC113	ENSG00000108666-C17orf75	ENSG00000114993-RTKN	ENSG00000119004-CYP20A1
ENSG00000103202-NME4	ENSG00000108953-YWHAE	ENSG00000114999-TTL	ENSG00000119042-SATB2
ENSG00000103257-SLC7A5	ENSG00000109089-CDR2L	ENSG00000115129-TP53I3	ENSG00000119397-CNTRL
ENSG00000103351-CLUAP1	ENSG00000109458-GAB1	ENSG00000115155-OTOF	ENSG00000119403-PHF19
ENSG00000103404-USP31	ENSG00000109610-SOD3	ENSG00000115183-TANC1	ENSG00000119514-GALNT12
ENSG00000103479-RBL2	ENSG00000109670-FBXW7	ENSG00000115306-SPTBN1	ENSG00000119688-ABCD4
ENSG00000103852-TTC23	ENSG00000109680-TBC1D19	ENSG00000115355-CCDC88A	ENSG00000119707-RBM25
ENSG00000103994-ZNF106	ENSG00000109685-WHSC1	ENSG00000115361-ACADL	ENSG00000119787-ATL2
ENSG00000104064-GABPB1	ENSG00000109805-NCAPG	ENSG00000115368-WDR75	ENSG00000119866-BCL11A
ENSG00000104081-BMF	ENSG00000109881-CCDC34	ENSG00000115594-IL1R1	ENSG00000119900-OGFRL1
ENSG00000104341-LAPTM4B	ENSG00000110066-SUV420H1	ENSG00000115596-WNT6	ENSG00000119938-PPP1R3C
ENSG00000104368-PLAT	ENSG00000110092-CCND1	ENSG00000115694-STK25	ENSG00000120327-PCDHB14
ENSG00000104635-SLC39A14	ENSG00000110108-TMEM109	ENSG00000115718-PROC	ENSG00000120708-TGFBI
ENSG00000104679-R3HCC1	ENSG00000110315-RNF141	ENSG00000115738-ID2	ENSG00000120798-NR2C1
ENSG00000104852-SNRNP70	ENSG00000110328-GALNT18	ENSG00000115758-ODC1	ENSG00000120802-TMPO
ENSG00000104880-ARHGEF18	ENSG00000110497-AMBRA1	ENSG00000115828-QPCT	ENSG00000120805-ARL1
ENSG00000104892-KLC3	ENSG00000110880-CORO1C	ENSG00000115844-DLX2	ENSG00000120820-GLT8D2
ENSG00000105011-ASF1B	ENSG00000110987-BCL7A	ENSG00000115993-TRAK2	ENSG00000120837-NFYB
ENSG00000105088-OLFM2	ENSG00000111665-CDCA3	ENSG00000116017-ARID3A	ENSG00000120896-SORBS3
ENSG00000105419-MEIS3	ENSG00000111666-CHPT1	ENSG00000116044-NFE2L2	ENSG00000121152-NCAPH
ENSG00000105426-PTPRS	ENSG00000111670-GNPTAB	ENSG00000116560-SFPQ	ENSG00000121316-PLBD1
ENSG00000105429-MEGF8	ENSG00000111817-DSE	ENSG00000116667-C1orf21	ENSG00000121621-KIF18A
ENSG00000105722-ERF	ENSG00000111859-NEDD9	ENSG00000116679-IVNS1ABP	ENSG00000122140-MRPS2
ENSG00000105810-CDK6	ENSG00000111875-ASF1A	ENSG00000116729-WLS	ENSG00000122386-ZNF205
ENSG00000105880-DLX5	ENSG00000111913-FAM65B	ENSG00000116741-RGS2	ENSG00000122592-HOXA7
ENSG00000105928-DFNA5	ENSG00000112078-KCTD20	ENSG00000117000-RLF	ENSG00000122644-ARL4A
ENSG00000105948-TTC26	ENSG00000112079-STK38	ENSG00000117122-MFAP2	ENSG00000122694-GLIPR2
ENSG00000105976-MET	ENSG00000112081-SRSF3	ENSG00000117155-SSX2IP	ENSG00000122779-TRIM24
ENSG00000106290-TAF6	ENSG00000112118-MCM3	ENSG00000117174-ZNHIT6	ENSG00000122786-CALD1
ENSG00000106462-EZH2	ENSG00000112139-MDGA1	ENSG00000117305-HMGCL	ENSG00000122877-EGR2

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000122952-ZWINT	ENSG00000128805-ARHGAP22	ENSG00000134202-GSTM3	ENSG00000136854-STXBP1
ENSG00000122966-CIT	ENSG00000128872-TMOD2	ENSG00000134222-PSRC1	ENSG00000136856-SLC2A8
ENSG00000123080-CDKN2C	ENSG00000129038-LOXL1	ENSG00000134250-NOTCH2	ENSG00000136870-ZNF189
ENSG00000123130-ACOT9	ENSG00000129173-E2F8	ENSG00000134253-TRIM45	ENSG00000136938-ANP32B
ENSG00000123201-GUCY1B2	ENSG00000129195-FAM64A	ENSG00000134258-VTCN1	ENSG00000136943-CTSV
ENSG00000123219-CENPK	ENSG00000129646-QRICH2	ENSG00000134308-YWHAQ	ENSG00000136997-MYC
ENSG00000123364-HOXC13	ENSG00000129810-SGOL1	ENSG00000134324-LPIN1	ENSG00000137177-KIF13A
ENSG00000123384-LRP1	ENSG00000130005-GAMT	ENSG00000134463-ECHDC3	ENSG00000137203-TFAP2A
ENSG00000123411-IKZF4	ENSG00000130147-SH3BP4	ENSG00000134504-KCTD1	ENSG00000137266-SLC22A23
ENSG00000123472-ATPAF1	ENSG00000130270-ATP8B3	ENSG00000134569-LRP4	ENSG00000137273-SMXF2
ENSG00000123485-HJURP	ENSG00000130299-GTPBP3	ENSG00000134574-DBB2	ENSG00000137547-MRPL15
ENSG00000124098-FAM210B	ENSG00000130584-ZBTB46	ENSG00000134690-CDC48	ENSG00000137693-YAP1
ENSG00000124145-SDC4	ENSG00000130595-TNNT3	ENSG00000134744-ZCCHC11	ENSG00000137760-ALKBH8
ENSG00000124177-CHD6	ENSG00000130635-COL5A1	ENSG00000134760-DSG1	ENSG00000137804-NUSAP1
ENSG00000124193-SRSF6	ENSG00000130684-ZNF337	ENSG00000134762-DSC3	ENSG00000137807-KIF23
ENSG00000124212-PTGIS	ENSG00000130726-TRIM28	ENSG00000134827-TCN1	ENSG00000137812-CASC5
ENSG00000124226-RNF114	ENSG00000131016-AKAP12	ENSG00000135249-RINT1	ENSG00000137831-UACA
ENSG00000124243-BCAS4	ENSG00000131023-LATS1	ENSG00000135299-ANKRD6	ENSG00000137834-SMXD6
ENSG00000124608-AARS2	ENSG00000131043-AAR2	ENSG00000135362-PRR5L	ENSG00000137942-FNBP1L
ENSG00000124702-KLHDC3	ENSG00000131269-ABC7	ENSG00000135365-PHF21A	ENSG00000137968-SLC44A5
ENSG00000124766-SOX4	ENSG00000131323-TRAF3	ENSG00000135378-PRRG4	ENSG00000138160-KIF11
ENSG00000124789-NUP153	ENSG00000131747-TOP2A	ENSG00000135390-ATP5G2	ENSG00000138180-CEP55
ENSG00000124795-DEK	ENSG00000131788-PIAS3	ENSG00000135451-TROAP	ENSG00000138271-GPR87
ENSG00000125166-GOT2	ENSG00000131791-PRKAB2	ENSG00000135469-COQ10A	ENSG00000138336-TET1
ENSG00000125354-SEPT6	ENSG00000131845-ZNF304	ENSG00000135476-ESPL1	ENSG00000138411-HECW2
ENSG00000125355-TMEM255A	ENSG00000131885-KRT17P1	ENSG00000135503-ACVR1B	ENSG00000138641-HERC3
ENSG00000125378-BMP4	ENSG00000132153-DHX30	ENSG00000135596-MICAL1	ENSG00000138663-COPS4
ENSG00000125484-GTF3C4	ENSG00000132275-RRP8	ENSG00000135622-SEMA4F	ENSG00000138696-BMPR1B
ENSG00000125648-SLC25A23	ENSG00000132329-RAMP1	ENSG00000135624-CCT7	ENSG00000138767-CNOT6L
ENSG00000125845-BMP2	ENSG00000132359-RAP1GAP2	ENSG00000135625-EGR4	ENSG00000138772-ANXA3
ENSG00000125863-MKKS	ENSG00000132423-COQ3	ENSG00000135736-CCDC102A	ENSG00000138835-RGS3
ENSG00000126216-TUBGCP3	ENSG00000132563-REEP2	ENSG00000135775-COG2	ENSG00000139044-B4GALNT3
ENSG00000126262-FFAR2	ENSG00000132591-ERAL1	ENSG00000135821-GLUL	ENSG00000139144-PIK3C2G
ENSG00000126391-FRMD8	ENSG00000132640-BTBD3	ENSG00000135823-STX6	ENSG00000139154-AEBP2
ENSG00000126583-PRKCG	ENSG00000132646-PCNA	ENSG00000135925-WNT10A	ENSG00000139174-PRICKLE1
ENSG00000126777-KTN1	ENSG00000132688-NES	ENSG00000135931-ARMC9	ENSG00000139324-TMTC3
ENSG00000126787-DLGAP5	ENSG00000132915-PDE6A	ENSG00000136026-CKAP4	ENSG00000139496-NUPL1
ENSG00000127152-BCL11B	ENSG00000132967-HMGB1P5	ENSG00000136098-NEK3	ENSG00000139505-MTMR6
ENSG00000127334-DYRK2	ENSG00000133059-DSTYK	ENSG00000136108-CKAP2	ENSG00000139514-SLC7A1
ENSG00000127586-CHTF18	ENSG00000133067-LGR6	ENSG00000136155-SCEL	ENSG00000139517-LNX2
ENSG00000127922-SHFM1	ENSG00000133138-TBC1D8B	ENSG00000136161-RCBTB2	ENSG00000139546-TARBP2
ENSG00000128185-DGCR6L	ENSG00000133678-TMEM254	ENSG00000136235-GPNMB	ENSG00000139675-HNRNPA1L2
ENSG00000128191-DGCR8	ENSG00000133703-KRAS	ENSG00000136240-KDELRL2	ENSG00000139718-SETD1B
ENSG00000128272-ATF4	ENSG00000133710-SPINK5	ENSG00000136319-TTC5	ENSG00000139832-RAB20
ENSG00000128422-KRT17	ENSG00000133985-TTC9	ENSG00000136463-TACO1	ENSG00000139835-GRTP1
ENSG00000128581-IFT22	ENSG00000134057-CCNB1	ENSG00000136492-BRIP1	ENSG00000139880-CDH24
ENSG00000128602-SMO	ENSG00000134107-BHLHE40	ENSG00000136527-TRA2B	ENSG00000139926-FRMD6
ENSG00000128609-NDUFA5	ENSG00000134138-MEIS2	ENSG00000136603-SKIL	ENSG00000140022-STON2
ENSG00000128710-HOXD10	ENSG00000134146-DPH6	ENSG00000136636-KCTD3	ENSG00000140044-JDP2
ENSG00000128714-HOXD13	ENSG00000134198-TSPAN2	ENSG00000136695-IL36RN	ENSG00000140092-FBLN5

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000140332-TLE3	ENSG00000144647-POMGNT2	ENSG00000149948-HMGA2	ENSG00000157216-SSBP3
ENSG00000140382-HMG20A	ENSG00000144655-CSRNP1	ENSG00000150347-ARID5B	ENSG00000157240-FZD1
ENSG00000140391-TSPAN3	ENSG00000144677-CTDSP1	ENSG00000150403-TMCO3	ENSG00000157326-DHRS4
ENSG00000140416-TPM1	ENSG00000144724-PTPRG	ENSG00000150433-TMEM218	ENSG00000157557-ETS2
ENSG00000140511-HAPLN3	ENSG00000145284-SCD5	ENSG00000150457-LATS2	ENSG00000157657-ZNF618
ENSG00000140534-TICRR	ENSG00000145386-CCNA2	ENSG00000150471-LPHN3	ENSG00000157796-WDR19
ENSG00000140682-TGFB11	ENSG00000145687-SSBP2	ENSG00000150551-LYPD1	ENSG00000158023-WDR66
ENSG00000140688-C16orf58	ENSG00000145703-IQGAP2	ENSG00000150556-LYPD6B	ENSG00000158163-DZIP1L
ENSG00000140836-ZFH3	ENSG00000145934-TENM2	ENSG00000150667-FSIP1	ENSG00000158186-MRAS
ENSG00000140848-CPNE2	ENSG00000146197-SCUBE3	ENSG00000150687-PRSS23	ENSG00000158234-FAIM
ENSG00000140948-ZCCHC14	ENSG00000146247-PHIP	ENSG00000150722-PPP1R1C	ENSG00000158301-GPRASP2
ENSG00000140995-DEF8	ENSG00000146281-PM20D2	ENSG00000150760-DOCK1	ENSG00000158825-CDA
ENSG00000141376-BCAS3	ENSG00000146674-IGFBP3	ENSG00000151135-TMEM263	ENSG00000159055-MIS18A
ENSG00000141384-TAF4B	ENSG00000146676-PURB	ENSG00000151468-CCDC3	ENSG00000159164-SV2A
ENSG00000141447-OSBPL1A	ENSG00000146802-TMEM168	ENSG00000151491-EPS8	ENSG00000159202-UBF2Z
ENSG00000141560-FN3KRP	ENSG00000146858-ZC3HAV1L	ENSG00000151552-QDPR	ENSG00000159228-CBR1
ENSG00000141682-PMAP1	ENSG00000146950-SHROOM2	ENSG00000151718-WWC2	ENSG00000159335-PTMS
ENSG00000141696-LEPREL4	ENSG00000147050-KDM6A	ENSG00000151835-SACS	ENSG00000159445-THEM4
ENSG00000141837-CACNA1A	ENSG00000147099-HDAC8	ENSG00000151876-FBXO4	ENSG00000159840-ZYX
ENSG00000141858-SAMD1	ENSG00000147130-ZMYM3	ENSG00000151914-DST	ENSG00000160062-ZBTB8A
ENSG00000142102-ATHL1	ENSG00000147155-EBP	ENSG00000152076-CCDC74B	ENSG00000160145-KALRN
ENSG00000142178-SIK1	ENSG00000147274-RBMX	ENSG00000152229-PSTPIP2	ENSG00000160201-U2AF1
ENSG00000142279-WTIP	ENSG00000147400-CETN2	ENSG00000152284-TCF7L1	ENSG00000160207-HSF2BP
ENSG00000142305-NLRP12	ENSG00000147403-RPL10	ENSG00000152484-USP12	ENSG00000160445-ZER1
ENSG00000142632-ARHGEF19	ENSG00000147509-RGS20	ENSG00000152520-PAN3	ENSG00000161542-PRPSAP1
ENSG00000142765-SYTL1	ENSG00000147789-ZNF7	ENSG00000152582-SPEF2	ENSG00000161544-CYGB
ENSG00000143013-LMO4	ENSG00000147862-NFIB	ENSG00000152779-SLC16A12	ENSG00000161642-ZNF385A
ENSG00000143067-ZNF697	ENSG00000147883-CDKN2B	ENSG00000152782-PANK1	ENSG00000161682-FAM171A2
ENSG00000143147-GPR161	ENSG00000148120-C9orf3	ENSG00000153044-CENPH	ENSG00000161692-DBF4B
ENSG00000143157-POGK	ENSG00000148225-WDR31	ENSG00000153071-DAB2	ENSG00000161800-RACGAP1
ENSG00000143217-PVRL4	ENSG00000148337-CIZ1	ENSG00000153246-PLA2R1	ENSG00000162063-CCNF
ENSG00000143320-CRABP2	ENSG00000148384-INPP5E	ENSG00000153294-GPR115	ENSG00000162444-RBP7
ENSG00000143341-HMCN1	ENSG00000148400-NOTCH1	ENSG00000153317-ASAP1	ENSG00000162512-SDC3
ENSG00000143344-RGL1	ENSG00000148411-NACC2	ENSG00000153896-ZNF599	ENSG00000162552-WNT4
ENSG00000143442-POGZ	ENSG00000148429-USP6NL	ENSG00000154040-CABYR	ENSG00000162607-USP1
ENSG00000143486-EIF2D	ENSG00000148680-HTR7	ENSG00000154146-NRGN	ENSG00000162613-FUBP1
ENSG00000143502-SUSD4	ENSG00000148737-TCF7L2	ENSG00000154217-PITPNC1	ENSG00000162702-ZNF281
ENSG00000143515-ATP8B2	ENSG00000149136-SSRP1	ENSG00000154359-LONRF1	ENSG00000162714-ZNF496
ENSG00000143753-DEGS1	ENSG00000149177-PTPRJ	ENSG00000154856-APCDD1	ENSG00000162772-ATF3
ENSG00000143889-HNRNPLL	ENSG00000149212-SESN3	ENSG00000154930-ACSS1	ENSG00000163032-VSNL1
ENSG00000143891-GALM	ENSG00000149269-PAK1	ENSG00000154945-ANKRD40	ENSG00000163040-CCDC74A
ENSG00000143924-EML4	ENSG00000149292-TTC12	ENSG00000155252-PI4K2A	ENSG00000163050-ADCK3
ENSG00000143952-VPS54	ENSG00000149474-CSR2BP	ENSG00000155287-SLC25A28	ENSG00000163069-SGCB
ENSG00000144043-TEX261	ENSG00000149547-EI24	ENSG00000155629-PIK3AP1	ENSG00000163071-SPATA18
ENSG00000144120-TMEM177	ENSG00000149577-SIDT2	ENSG00000156162-DPY19L4	ENSG00000163093-BBS5
ENSG00000144283-PKP4	ENSG00000149582-TMEM25	ENSG00000156218-ADAMTSL3	ENSG00000163141-BNIPL
ENSG00000144354-CDCA7	ENSG00000149600-COMMD7	ENSG00000156970-BUB1B	ENSG00000163170-BOLA3
ENSG00000144476-ACKR3	ENSG00000149639-SOGA1	ENSG00000156976-EIF4A2	ENSG00000163171-CDC42EP3
ENSG00000144579-CTDSP1	ENSG00000149679-CABLES2	ENSG00000157214-STEAP2	ENSG00000163191-S100A11
ENSG00000144642-RBMS3	ENSG00000149823-VPS51		

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000163293-NIPAL1	ENSG00000165621-OXGR1	ENSG00000168785-TSPAN5	ENSG00000172578-KLHL6
ENSG00000163331-DAPL1	ENSG00000165660-FAM175B	ENSG00000168918-INPP5D	ENSG00000173068-BNC2
ENSG00000163406-SLC15A2	ENSG00000165685-TMEM52B	ENSG00000168928-CTRB2	ENSG00000173198-CYSLTR1
ENSG00000163430-FSTL1	ENSG00000165724-ZMYND19	ENSG00000168952-STXBP6	ENSG00000173262-SLC2A14
ENSG00000163453-IGFBP7	ENSG00000165821-SALL2	ENSG00000169018-FEM1B	ENSG00000173276-ZBTB21
ENSG00000163629-PTPN13	ENSG00000165891-E2F7	ENSG00000169047-IRS1	ENSG00000173391-OLR1
ENSG00000163634-THOC7	ENSG00000165905-GYLTL1B	ENSG00000169067-ACTBL2	ENSG00000173517-PEAK1
ENSG00000163635-ATXN7	ENSG00000165959-CLMN	ENSG00000169093-ASMTL	ENSG00000173575-CHD2
ENSG00000163637-PRICKLE2	ENSG00000166068-SPRED1	ENSG00000169174-PCSK9	ENSG00000173805-HAP1
ENSG00000163701-IL17RE	ENSG00000166106-ADAMTS15	ENSG00000169184-MN1	ENSG00000173846-FLK3
ENSG00000163702-IL17RC	ENSG00000166130-IKBIP	ENSG00000169242-EFNA1	ENSG00000174080-CTSF
ENSG00000163710-PCOLCE2	ENSG00000166333-ILK	ENSG00000169607-CKAP2L	ENSG00000174099-MSRB3
ENSG00000163818-LZTFL1	ENSG00000166352-C11orf74	ENSG00000169679-BUB1	ENSG00000174365-SNHG11
ENSG00000163820-FYCO1	ENSG00000166483-WEE1	ENSG00000169714-CNBP	ENSG00000174640-SLCO2A1
ENSG00000163823-CCR1	ENSG00000166526-ZNF3	ENSG00000169718-DUS1L	ENSG00000174721-FGFBP3
ENSG00000163867-ZMYM6	ENSG00000166532-RIMKLB	ENSG00000169740-ZNF32	ENSG00000174799-CEP135
ENSG00000163909-HEYL	ENSG00000166546-BEAN1	ENSG00000169884-WNT10B	ENSG00000174891-RSRC1
ENSG00000164002-EXO5	ENSG00000166788-ADAMTS15	ENSG00000169894-MUC3A	ENSG00000174989-FBXW8
ENSG00000164056-SPRY1	ENSG00000166833-NAV2	ENSG00000169908-TM4SF1	ENSG00000175130-MARCKSL1
ENSG00000164080-RAD54L2	ENSG00000166839-ANKDD1A	ENSG00000170293-CMTM8	ENSG00000175215-CTDSP2
ENSG00000164125-FAM198B	ENSG00000166851-PLK1	ENSG00000170312-CDK1	ENSG00000175221-MED16
ENSG00000164151-ICE1	ENSG00000166860-ZBTB39	ENSG00000170421-KRT8	ENSG00000175279-APITD1
ENSG00000164167-LSM6	ENSG00000166869-CHP2	ENSG00000170464-DNAJC18	ENSG00000175445-LPL
ENSG00000164211-STARD4	ENSG00000166979-EVA1C	ENSG00000170465-KRT6C	ENSG00000175548-ALG10B
ENSG00000164236-ANKRD33B	ENSG00000167081-PBX3	ENSG00000170484-KRT74	ENSG00000175581-MRPL48
ENSG00000164237-CMBL	ENSG00000167123-CERCAM	ENSG00000170579-DLGAP1	ENSG00000175643-RMI2
ENSG00000164411-GJB7	ENSG00000167595-PROSER3	ENSG00000170779-CDCA4	ENSG00000175806-MSRA
ENSG00000164414-SLC35A1	ENSG00000167600-CYP2S1	ENSG00000170871-KIAA0232	ENSG00000175873-AC004840.9
ENSG00000164506-STXBP5	ENSG00000167615-LENG8	ENSG00000170955-PRKCDBP	ENSG00000175879-HOXD8
ENSG00000164548-TRA2A	ENSG00000167645-YIF1B	ENSG00000171206-TRIM8	ENSG00000176046-NUPR1
ENSG00000164604-GPR85	ENSG00000167680-SEMA6B	ENSG00000171227-TMEM37	ENSG00000176108-CHMP6
ENSG00000164610-RP9	ENSG00000167695-FAM57A	ENSG00000171241-SHCBP1	ENSG00000176125-UFSF1
ENSG00000164611-PTTG1	ENSG00000167723-TRPV3	ENSG00000171345-KRT19	ENSG00000176148-TCP11L1
ENSG00000164619-BMPER	ENSG00000167747-C19orf48	ENSG00000171401-KRT13	ENSG00000176170-SPHK1
ENSG00000164654-MIOS	ENSG00000167755-KLK6	ENSG00000171462-DLK2	ENSG00000176208-ATAD5
ENSG00000164932-CTHRC1	ENSG00000167766-ZNF83	ENSG00000171612-SLC25A33	ENSG00000176396-EID2
ENSG00000164946-FREM1	ENSG00000167768-KRT1	ENSG00000171617-ENC1	ENSG00000176476-CCDC101
ENSG00000164953-TMEM67	ENSG00000167889-MGAT5B	ENSG00000171658-RP11-443P15.2	ENSG00000176715-ACSF3
ENSG00000165030-NFIL3	ENSG00000168077-SCARA3	ENSG00000171703-TCEA2	ENSG00000176720-BOK
ENSG00000165102-HGSNAT	ENSG00000168078-PBK	ENSG00000171848-RRM2	ENSG00000176788-BASP1
ENSG00000165105-RASEF	ENSG00000168101-NUDT16L1	ENSG00000172009-THOP1	ENSG00000176890-TYMS
ENSG00000165282-PIGO	ENSG00000168143-FAM83B	ENSG00000172037-LAMB2	ENSG00000176907-C8orf4
ENSG00000165304-MELK	ENSG00000168159-RNF187	ENSG00000172059-KLF11	ENSG00000176928-GCNT4
ENSG00000165359-DDX26B	ENSG00000168301-KCTD6	ENSG00000172062-SMN1	ENSG00000177494-ZBED2
ENSG00000165406-MARCH8	ENSG00000168303-MPLKIP	ENSG00000172081-MOB3A	ENSG00000177706-FAM20C
ENSG00000165449-SLC16A9	ENSG00000168502-MTCL1	ENSG00000172175-MALT1	ENSG00000177791-MYOZ1
ENSG00000165474-GJB2	ENSG00000168743-NPNT	ENSG00000172197-MBOAT1	ENSG00000178053-MLF1
ENSG00000165480-SKA3	ENSG00000168769-TET2	ENSG00000172201-ID4	ENSG00000178188-SH2B1
ENSG00000165512-ZNF22	ENSG00000168778-TCTN2	ENSG00000172262-ZNF131	ENSG00000178202-KDEL2
ENSG00000165591-FAAH2	ENSG00000168781-PPIP5K1	ENSG00000172273-HINFP	ENSG00000178338-ZNF354B

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000178409-BEND3	ENSG00000183023-SLC8A1	ENSG00000186185-KIF18B	ENSG00000196937-FAM3C
ENSG00000178573-MAF	ENSG00000183186-C2CD4C	ENSG00000186281-GPAT2	ENSG00000197024-ZNF398
ENSG00000178764-ZHX2	ENSG00000183291-SEP15	ENSG00000186318-BACE1	ENSG00000197037-ZSCAN25
ENSG00000178852-EFCAB13	ENSG00000183307-CECR6	ENSG00000186814-ZSCAN30	ENSG00000197043-ANXA6
ENSG00000178917-ZNF852	ENSG00000183309-ZNF623	ENSG00000186831-KRT17P2	ENSG00000197045-GMFB
ENSG00000178996-SNX18	ENSG00000183337-BCOR	ENSG00000186973-FAM183A	ENSG00000197056-ZMYM1
ENSG00000178999-AURKB	ENSG00000183484-GPR132	ENSG00000187189-TSPYL4	ENSG00000197062-ZSCAN26
ENSG00000179010-MRFAP1	ENSG00000183496-MEX3B	ENSG00000187244-BCAM	ENSG00000197093-GAL3ST4
ENSG00000179029-TMEM107	ENSG00000183617-MRPL54	ENSG00000187498-COL4A1	ENSG00000197111-PCBP2
ENSG00000179195-ZNF664	ENSG00000183628-DGCR6	ENSG00000187514-PTMA	ENSG00000197145-VEPH1
ENSG00000179222-MAGED1	ENSG00000183655-KLHL25	ENSG00000187554-TLR5	ENSG00000197355-UAP1L1
ENSG00000179431-FJX1	ENSG00000183666-GUSBP1	ENSG00000187626-ZKSCAN4	ENSG00000197362-ZNF786
ENSG00000179950-PUF60	ENSG00000183688-FAM101B	ENSG00000187630-DHRS4L2	ENSG00000197408-CYP2B6
ENSG00000179981-TSHZ1	ENSG00000183729-NPBWR1	ENSG00000187634-SAMD11	ENSG00000197415-ZNF786
ENSG00000180229-HERC2P3	ENSG00000183741-CBX6	ENSG00000187676-B3GALTL	ENSG00000197461-PDGFA
ENSG00000180251-SLC9A4	ENSG00000183760-PAPL	ENSG00000187678-SPRY4	ENSG00000197496-SLC2A10
ENSG00000180592-SKIDA1	ENSG00000183856-IQGAP3	ENSG00000187735-TCEA1	ENSG00000197535-MYO5A
ENSG00000180611-MB21D2	ENSG00000183864-TOB2	ENSG00000187792-ZNF70	ENSG00000197587-DMBX1
ENSG00000180626-ZNF594	ENSG00000184014-DENND5A	ENSG00000187951-ARHGAP11B	ENSG00000197614-MFAP5
ENSG00000180806-HOXC9	ENSG00000184205-TSPYL2	ENSG00000187987-ZSCAN23	ENSG00000197712-FAM114A1
ENSG00000180938-ZNF572	ENSG00000184220-CMSS1	ENSG00000188001-TPRG1	ENSG00000197724-PHF2
ENSG00000180998-GPR137C	ENSG00000184384-MAML2	ENSG00000188070-C11orf95	ENSG00000197728-RPS26
ENSG00000181019-NQO1	ENSG00000184500-PROS1	ENSG00000188158-NHS	ENSG00000197747-S100A10
ENSG00000181026-AEN	ENSG00000184517-ZFP1	ENSG00000188211-NCR3LG1	ENSG00000197905-TEAD4
ENSG00000181220-ZNF746	ENSG00000184584-TMEM173	ENSG00000188486-H2AFX	ENSG00000198018-ENTPD7
ENSG00000181264-TMEM136	ENSG00000184743-ATL3	ENSG00000188643-S100A16	ENSG00000198040-ZNF84
ENSG00000181396-OGFOD3	ENSG00000184897-H1FX	ENSG00000189057-FAM111B	ENSG00000198146-ZNF770
ENSG00000181449-SOX2	ENSG00000184916-JAG2	ENSG00000189060-H1FO	ENSG00000198369-SPRED2
ENSG00000181467-RAP2B	ENSG00000185085-INTS5	ENSG00000189067-LITAF	ENSG00000198429-ZNF69
ENSG00000181588-MEX3D	ENSG00000185088-RPS27L	ENSG00000189079-ARID2	ENSG00000198443-KRTAP4-1
ENSG00000181690-PLAG1	ENSG00000185112-FAM43A	ENSG00000189136-UBE2Q2P1	ENSG00000198467-TPM2
ENSG00000181804-SLC9A9	ENSG00000185158-LRRC37B	ENSG00000189182-KRT77	ENSG00000198498-TMA16
ENSG00000181982-CCDC149	ENSG00000185168-LINC00482	ENSG00000189366-ALG1L	ENSG00000198554-WDHD1
ENSG00000182022-CHST15	ENSG00000185189-NRBP2	ENSG00000189403-HMGB1	ENSG00000198585-NUDT16
ENSG00000182040-USH1G	ENSG00000185219-ZNF445	ENSG00000196110-ZNF699	ENSG00000198642-KLHL9
ENSG00000182054-IDH2	ENSG00000185252-ZNF74	ENSG00000196152-ZNF79	ENSG00000198668-CALM1
ENSG00000182158-CREB3L2	ENSG00000185262-UBALD2	ENSG00000196159-FAT4	ENSG00000198682-PAPSS2
ENSG00000182196-ARL6IP4	ENSG00000185269-NOTUM	ENSG00000196275-GTF2IRD2	ENSG00000198689-SLC9A6
ENSG00000182310-SPACA6P	ENSG00000185306-C12orf56	ENSG00000196363-WDR5	ENSG00000198707-CEP290
ENSG00000182379-NXPH4	ENSG00000185338-SOCS1	ENSG00000196453-ZNF777	ENSG00000198768-APCDD1L
ENSG00000182481-KPNA2	ENSG00000185437-SH3BGR	ENSG00000196456-ZNF775	ENSG00000198816-ZNF358
ENSG00000182541-LIMK2	ENSG00000185513-L3MBTL1	ENSG00000196526-AFAP1	ENSG00000198824-CHAMP1
ENSG00000182551-AD11	ENSG00000185567-AHNAK2	ENSG00000196588-MKL1	ENSG00000198837-DENND4B
ENSG00000182718-ANXA2	ENSG00000185585-OLFML2A	ENSG00000196611-MMP1	ENSG00000198860-TSEN15
ENSG00000182809-CRIP2	ENSG00000185650-ZFP36L1	ENSG00000196628-TCF4	ENSG00000198890-PRMT6
ENSG00000182831-C16orf72	ENSG00000185842-DNAH14	ENSG00000196754-S100A2	ENSG00000198900-TOP1
ENSG00000182841-RRP7B	ENSG00000185920-PTCH1	ENSG00000196843-ARID5A	ENSG00000198901-PRC1
ENSG00000182871-COL18A1	ENSG00000185963-BICD2	ENSG00000196865-NHLRC2	ENSG00000198954-KIAA1279
ENSG00000182983-ZNF662	ENSG00000186081-KRT5	ENSG00000196922-ZNF252P	ENSG00000198959-TGM2
ENSG00000183010-PYCR1	ENSG00000186106-ANKRD46	ENSG00000196924-FLNA	ENSG00000198964-SGMS1

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000204011-COL5A1-AS1	ENSG00000224578-HNRNPA1P48	ENSG00000235142-RP1-60019.1	ENSG00000250510-GPR162
ENSG00000204054-LINC00963	ENSG00000224635-RP4-564F22.5	ENSG00000235257-ITGA9-AS1	ENSG00000250899-RP11-253E3.3
ENSG00000204177-BMS1P1	ENSG00000224712-NPIPA3	ENSG00000235269-AL162759.1	ENSG00000251095-RP11-115D19.1
ENSG00000204217-BMP2R2	ENSG00000224791-KRT18P39	ENSG00000235493-AC092415.1	ENSG00000251176-RP11-97E7.1
ENSG00000204262-COL5A2	ENSG00000224914-LINC00863	ENSG00000235535-RP11-532N4.2	ENSG00000251196-RP11-54F2.1
ENSG00000204580-DDR1	ENSG00000225151-GOLGA2P7	ENSG00000236539-HNRNPA1P54	ENSG00000251322-SHANK3
ENSG00000204682-CASC10	ENSG00000225210-DUXAP10	ENSG00000237128-RP11-351M16.3	ENSG00000253103-RP11-946L20.4
ENSG00000204852-TCTN1	ENSG00000225383-SFTA1P	ENSG00000237190-CDKN2AIPNL	ENSG00000253293-HOXA10
ENSG00000204859-ZBTB48	ENSG00000225492-GBP1P1	ENSG00000237438-CECR7	ENSG00000253716-RP13-582O9.5
ENSG00000204869-IGFL4	ENSG00000225742-RP11-513G11.4	ENSG00000237523-LINC00857	ENSG00000253958-CLDN23
ENSG00000204909-SPINK9	ENSG00000226107-AC004383.3	ENSG00000237609-AF064858.10	ENSG00000254004-ZNF260
ENSG00000204947-ZNF425	ENSG00000226137-BAIAP2-AS1	ENSG00000237864-LINC00322	ENSG00000254254-RP11-17A4.2
ENSG00000205213-LGR4	ENSG00000226308-RP4-813D12.3	ENSG00000237943-PRKCQ-AS1	ENSG00000254338-MAFA-AS1
ENSG00000205221-VIT	ENSG00000226383-AC093375.1	ENSG00000237978-RP11-385J1.2	ENSG00000254453-NAV2-AS2
ENSG00000205268-PDE7A	ENSG00000226690-AC005281.1	ENSG00000237989-AP001046.5	ENSG00000254726-MEX3A
ENSG00000205420-KRT6A	ENSG00000226937-CEP164P1	ENSG00000238083-LRRC37A2	ENSG00000254894-NAV2-AS1
ENSG00000205542-TMSB4X	ENSG00000227028-SLC8A1-AS1	ENSG00000238366-Y_RNA	ENSG00000255571-LINC00925
ENSG00000205622-AF064858.6	ENSG00000227036-LINC00511	ENSG00000240024-LINC00888	ENSG00000255717-SNHG1
ENSG00000205795-CYS1	ENSG00000227372-TP73-AS1	ENSG00000240857-RDH14	ENSG00000255874-LINC00346
ENSG00000205922-ONECUT3	ENSG00000227473-TSSK5P	ENSG00000241839-PLEKHO2	ENSG00000256235-SMIM3
ENSG00000205978-NYNRIN	ENSG00000227479-AC124861.1	ENSG00000242265-PEG10	ENSG00000256612-CYP2B7P
ENSG00000206149-HERC2P9	ENSG00000227739-TUBB	ENSG00000242348-RN7SL561P	ENSG00000257225-RP11-328C8.4
ENSG00000206195-DUXAP8	ENSG00000227825-SLC9A7P1	ENSG00000242498-ARPIP	ENSG00000257556-RP11-44N21.1
ENSG00000206418-RAB12	ENSG00000228649-AC005682.5	ENSG00000243725-TTC4	ENSG00000257923-CUX1
ENSG00000212747-FAM127C	ENSG00000229635-RP4-713B5.2	ENSG00000243775-OSTCP1	ENSG00000258123-RP11-314D7.2
ENSG00000213064-SFT2D2	ENSG00000229835-KHSRPP1	ENSG00000244115-DNAJC25-GNG10	ENSG00000258301-RP11-488C13.5
ENSG00000213071-LPAL2	ENSG00000229956-ZRANB2-AS2	ENSG00000244306-LINC01296	ENSG00000258701-LINC00638
ENSG00000213412-HNRNPA1P33	ENSG00000230015-RP11-80B9.4	ENSG00000245149-RNF139-AS1	ENSG00000258806-OR11H7
ENSG00000213762-ZNF134	ENSG00000230091-TMEM254-AS1	ENSG00000245532-NEAT1	ENSG00000258932-CTD-3006G17.2
ENSG00000213920-MDP1	ENSG00000230262-MIRLET7DHG	ENSG00000245694-CRNDE	ENSG00000259345-RP11-624L4.1
ENSG00000213923-CSNK1E	ENSG00000230606-AC159540.1	ENSG00000245748-RP11-367J11.2	ENSG00000259380-RP11-346D14.1
ENSG00000214357-NEURL1B	ENSG00000230651-RGPD4-AS1	ENSG00000246985-SOCS2-AS1	ENSG00000259409-RP11-521C20.3
ENSG00000214376-VSTM5	ENSG00000230882-AC005077.14	ENSG00000247134-RP11-11N9.4	ENSG00000259623-RP11-156E6.1
ENSG00000214553-LRRC37A11P	ENSG00000230937-MIR205HG	ENSG00000247315-ZCCHC3	ENSG00000259627-RP11-244F12.2
ENSG00000214717-ZBED1	ENSG00000231764-DLX6-AS1	ENSG00000247679-RP11-1277A3.1	ENSG00000259758-CASC7
ENSG00000214753-HNRNPUL2	ENSG00000231826-AC016735.2	ENSG00000248429-RP11-597D13.9	ENSG00000259820-AC083843.1
ENSG00000215012-C22orf29	ENSG00000232063-RP11-307E17.8	ENSG00000248690-HAS2-AS1	ENSG00000260128-ULK4P2
ENSG00000215105-TTC3P1	ENSG00000232164-AC092669.3	ENSG00000248866-USP46-AS1	ENSG00000260131-LINC00556
ENSG00000215190-LINC00680	ENSG00000232316-RP1-124C6.1	ENSG00000248932-RP11-319G6.1	ENSG00000260260-SNHG19
ENSG00000215256-DHRS4-AS1	ENSG00000232445-RP11-132A1.4	ENSG00000249242-TMEM150C	ENSG00000260265-RP11-44F21.5
ENSG00000215417-MIR17HG	ENSG00000232480-TGFB2-AS1	ENSG00000249409-RP11-501E14.1	ENSG00000260285-RP11-600F24.7
ENSG00000215447-BX322557.10	ENSG00000232533-AC093673.5	ENSG00000249437-NAIP	ENSG00000260992-DOCK9-AS2
ENSG00000215712-TMEM242	ENSG00000232838-PET117	ENSG00000249574-AC226118.1	ENSG00000261008-AC004158.2
ENSG00000218336-TENM3	ENSG00000233237-LINC00472	ENSG00000249614-RP11-703G6.1	ENSG00000261116-RP3-523K23.2
ENSG00000220785-MTMR9LP	ENSG00000233494-AC009963.3	ENSG00000249641-HOXC13-AS	ENSG00000261468-RP11-1024P17.1
ENSG00000221947-XKR9	ENSG00000233901-LINC01503	ENSG00000249731-RP11-259O2.3	ENSG00000261488-RP11-757F18.5
ENSG00000222009-BTBD19	ENSG00000233913-CTC-575D19.1	ENSG00000250021-C15orf38-AP3S2	ENSG00000261572-RP11-384L8.1
ENSG00000224189-HAGLR	ENSG00000234769-WASH4P	ENSG00000250127-CTD-2117L12.1	ENSG00000261716-RP11-196G18.22
ENSG00000224260-RP1-272L16.1	ENSG00000234840-LINC01239	ENSG00000250303-RP11-356J5.12	ENSG00000261801-LOXL1-AS1
ENSG00000224531-SMIM13	ENSG00000235106-LINC00094	ENSG00000250337-LINC01021	ENSG00000262406-MMP12

Genes uniquely downregulated in UMUC1 cells following rosiglitazone treatment (continued)

ENSG00000262758-CTD-3195I5.1	ENSG00000277778-PGM5P2
ENSG00000262772-RP11-353N14.2	ENSG00000278396-RP11-120E11.2
ENSG00000263585-RP11-498C9.13	ENSG00000278705-HIST1H4B
ENSG00000264020-AC027806.1	ENSG00000279033-RP11-500C12.1
ENSG00000264364-DYNLL2	ENSG00000279184-RP3-323A16.1
ENSG00000265203-RBP3	ENSG00000279207-RP11-159D12.8
ENSG00000265664-RP11-74H8.1	ENSG00000279312-RP3-331H24.7
ENSG00000265667-AP003550.1	ENSG00000279364-RP11-463I20.1
ENSG00000265763-ZNF488	ENSG00000279399-RP11-369J21.12
ENSG00000266158-RN7SL785P	ENSG00000279417-RP11-382B18.1
ENSG00000267026-RP11-92C4.3	ENSG00000279442-LA16c-60D12.2
ENSG00000267057-RP11-456O19.2	ENSG00000279563-CH17-340M24.1
ENSG00000267147-CTC-548K16.1	ENSG00000279699-RP1-102K2.9
ENSG00000267519-CTD-3252C9.4	ENSG00000279838-RP4-635A23.6
ENSG00000267530-AC006273.5	ENSG00000279912-RP11-624A21.1
ENSG00000267919-RP11-256I23.3	ENSG00000280156-AC006548.28
ENSG00000268912-CTD-2619J13.17	ENSG00000280206-CTB-193M12.5
ENSG00000269190-FBXO17	ENSG00000280297-ABBA01031664.1
ENSG00000269226-TMSB15B	ENSG00000280351-CTD-2561B21.8
ENSG00000269905-TFDP2	
ENSG00000269994-RP11-276H19.2	
ENSG00000270055-CTD-3092A11.2	
ENSG00000270343-UNGP3	
ENSG00000271741-RP11-244H3.4	
ENSG00000271862-RP11-343L5.2	
ENSG00000271882-KB-1410C5.5	
ENSG00000272016-RP11-215G15.5	
ENSG00000272316-XXbac-BPGBPG55C20.2	
ENSG00000272524-RP11-254F7.4	
ENSG00000272631-RP11-359E3.4	
ENSG00000272761-LINC01279	
ENSG00000272933-RP11-47A8.5	
ENSG00000273033-RP11-67L2.2	
ENSG00000273129-PACERR	
ENSG00000273230-RP11-1246C19.1	
ENSG00000273329-RP11-448A19.1	
ENSG00000273760-CH17-360D5.3	
ENSG00000274070-GATSL2	
ENSG00000275322-RP11-262A16.1	
ENSG00000275342-SGK223	
ENSG00000275993-CH507-42P11.8	
ENSG00000276043-UHRF1	
ENSG00000276276-ARL17A	
ENSG00000276550-HERC2P2	
ENSG00000276600-RAB7B	
ENSG00000276805-RP11-291L22.6	
ENSG00000277013-CTC-526N19.1	
ENSG00000277196-PRODH	
ENSG00000277287-RP4-794I6.4	
ENSG00000277443-MARCKS	

9) Genes uniquely downregulated in SW780 cells following rosiglitazone treatment

ENSG0000000971-CFH	ENSG00000124813-RUNX2	ENSG00000165895-ARHGAP42	ENSG00000188313-PLSCR1
ENSG00000003756-RBM5	ENSG00000129538-RNASE1	ENSG00000165949-IFI27	ENSG00000196542-SPTSSB
ENSG00000006534-ALDH3B1	ENSG00000130234-ACE2	ENSG00000166394-CYB5R2	ENSG00000196917-HCAR1
ENSG00000018236-CNTN1	ENSG00000133019-CHRM3	ENSG00000167508-MVD	ENSG00000197565-COL4A6
ENSG00000026751-SLAMF7	ENSG00000133106-EPST11	ENSG00000167656-LY6D	ENSG00000197956-S100A6
ENSG00000052344-PRSS8	ENSG00000134321-RSAD2	ENSG00000167700-MFSD3	ENSG00000198324-FAM109A
ENSG00000055732-MCOLN3	ENSG00000134757-DSG3	ENSG00000167741-GGT6	ENSG00000198910-L1CAM
ENSG00000056558-TRAF1	ENSG00000135063-FAM189A2	ENSG00000167779-IGFBP6	ENSG00000203857-HSD3B1
ENSG00000064787-BCAS1	ENSG00000136383-ALPK3	ENSG00000168874-ATOH8	ENSG00000213228-RPL12P38
ENSG00000066382-MPPED2	ENSG00000136514-RTP4	ENSG00000169213-RAB3B	ENSG00000224652-LINC00885
ENSG00000067066-SP100	ENSG00000137338-PGBD1	ENSG00000169245-CXCL10	ENSG00000224769-AC069213.1
ENSG00000078081-LAMP3	ENSG00000137393-RNF144B	ENSG00000169469-SPRR1B	ENSG00000226510-UPK1A-AS1
ENSG00000082397-EPB41L3	ENSG00000137959-IFI44L	ENSG00000169604-ANTXR1	ENSG00000231131-LINC01468
ENSG00000085552-IGSF9	ENSG00000137965-IFI44	ENSG00000169826-CSGALNACT2	ENSG00000231298-LINC00704
ENSG00000087494-PTHLH	ENSG00000137975-CLCA2	ENSG00000170369-CST2	ENSG00000233041-PHGR1
ENSG00000100321-SYNGR1	ENSG00000138646-HERC5	ENSG00000170581-STAT2	ENSG00000243137-PSG4
ENSG00000100985-MMP9	ENSG00000139055-ERP27	ENSG00000171858-RPS21	ENSG00000248663-LINC00992
ENSG00000101457-DNTTIP1	ENSG00000142273-CBLC	ENSG00000172345-STAR5	ENSG00000249685-RP11-360F5.3
ENSG00000102178-UBL4A	ENSG00000142327-RNPEPL1	ENSG00000173638-SLC19A1	ENSG00000249992-TMEM158
ENSG00000102962-CCL22	ENSG00000143469-SYT14	ENSG00000173705-SUSD5	ENSG00000253414-RP11-150O12.6
ENSG00000104848-KCNA7	ENSG00000143507-DUSP10	ENSG00000174498-IGDCC3	ENSG00000255248-RP11-166D19.1
ENSG00000105388-CEACAM5	ENSG00000148346-LCN2	ENSG00000174564-IL20RB	ENSG00000257335-MGAM
ENSG00000106025-TSPAN12	ENSG00000149260-CAPN5	ENSG00000174792-C4orf26	ENSG00000266010-GATA6-AS1
ENSG00000106066-CPVL	ENSG00000149328-GLB1L2	ENSG00000175591-P2RY2	ENSG00000267397-RP11-873E20.1
ENSG00000107957-SH3PXD2A	ENSG00000149557-FEZ1	ENSG00000180801-ARXJ	ENSG00000268864-CTB-167G5.6
ENSG00000109084-TMEM97	ENSG00000149564-ESAM	ENSG00000181458-TMEM45A	ENSG00000273245-RP11-434P11.2
ENSG00000109511-ANXA10	ENSG00000152217-SETBP1	ENSG00000181652-ATG9B	ENSG00000273780-ARHGAP23
ENSG00000109667-SLC2A9	ENSG00000156463-SH3RF2	ENSG00000182010-RTKN2	ENSG00000274370-AC144831.3
ENSG00000110799-VWF	ENSG00000156587-UBE2L6	ENSG00000182484-WASH6P	ENSG00000275216-RP11-54H7.4
ENSG00000110848-CD69	ENSG00000157168-NRG1	ENSG00000183668-PSG9	ENSG00000279296-RP11-609D21.3
ENSG00000111799-COL12A1	ENSG00000160932-LY6E	ENSG00000183722-LHFP	ENSG00000279569-RP11-394B2.1
ENSG00000114812-VIPR1	ENSG00000160959-LRRC14	ENSG00000184305-CCSER1	
ENSG00000115590-IL1R2	ENSG00000162777-DENND2D	ENSG00000184371-CSF1	
ENSG00000118495-PLAGL1	ENSG00000163207-IVL	ENSG00000185201-IFITM2	
ENSG00000118515-SGK1	ENSG00000163297-ANTXR2	ENSG00000185272-RBM11	
ENSG00000119125-GDA	ENSG00000163435-ELF3	ENSG00000185697-MYBL1	
ENSG00000120337-TNFSF18	ENSG00000163565-IFI16	ENSG00000185885-IFITM1	
ENSG00000120675-DNAJC15	ENSG00000164128-NPY1R	ENSG00000186847-KRT14	
ENSG00000124126-PREX1	ENSG00000164742-ADCY1	ENSG00000187123-LYPD6	
ENSG00000124256-ZBP1	ENSG00000164867-NOS3	ENSG00000188064-WNT7B	

10) Genes uniquely downregulated in 5637 cells following rosiglitazone treatment

ENSG00000044524-EPHA3
ENSG00000082684-SEMA5B
ENSG00000087495-PHACTR3
ENSG00000101489-CELF4
ENSG00000115616-SLC9A2
ENSG00000119669-IRF2BPL
ENSG00000128917-DLL4
ENSG00000131746-TNS4
ENSG00000134531-EMP1
ENSG00000139438-FAM222A
ENSG00000145824-CXCL14
ENSG00000151136-BTBD11
ENSG00000152518-ZFP36L2
ENSG00000160282-FTCD
ENSG00000163704-PRRT3
ENSG00000171951-SCG2
ENSG00000173334-TRIB1
ENSG00000177575-CD163
ENSG00000179750-APOBEC3B
ENSG00000182168-UNC5C
ENSG00000184838-PRR16
ENSG00000185022-MAFF
ENSG00000196104-SPOCK3
ENSG00000272027-RP11-529E15.1
ENSG00000276249-AC237047.1
ENSG00000277027-RNase_MRP

11) Genes downregulated in common in UMUC1 and SW780 cells following rosiglitazone treatment

ENSG0000019549-SNAI2	ENSG00000121690-DEPDC7	ENSG00000148677-ANKRD1	ENSG00000186193-SAPCD2
ENSG00000034510-TMSB10	ENSG00000121742-GJB6	ENSG00000148773-MKI67	ENSG00000187720-THSD4
ENSG00000042493-CAPG	ENSG00000122641-INHBA	ENSG00000150630-VEGFC	ENSG00000188921-PTPLAD2
ENSG00000059804-SLC2A3	ENSG00000125148-MT2A	ENSG00000152661-GJA1	ENSG00000197641-SERPINB13
ENSG00000065320-NTN1	ENSG00000125398-SOX9	ENSG00000152785-BMP3	ENSG00000198053-SIRPA
ENSG00000065675-PRKCQ	ENSG00000125848-FLRT3	ENSG00000153993-SEMA3D	ENSG00000198121-LPAR1
ENSG00000066279-ASPM	ENSG00000125968-ID1	ENSG00000155850-SLC26A2	ENSG00000198315-ZKSCAN8
ENSG00000071909-MYO3B	ENSG00000127863-TNFRSF19	ENSG00000158169-FANCC	ENSG00000198879-SFMBT2
ENSG00000076716-GPC4	ENSG00000129116-PALLD	ENSG00000158691-ZSCAN12	ENSG00000198924-DCLRE1A
ENSG00000078018-MAP2	ENSG00000130701-RBBP8NL	ENSG00000158966-CACHD1	ENSG00000203727-SAMD5
ENSG00000078401-EDN1	ENSG00000131711-MAP1B	ENSG00000159176-CSRP1	ENSG00000210135-MT-TN
ENSG00000091436-PK	ENSG00000132846-ZBED3	ENSG00000159216-RUNX1	ENSG00000223960-AC009948.5
ENSG00000091986-CCDC80	ENSG00000133466-C1QTNF6	ENSG00000159263-SIM2	ENSG00000237807-RP11-400K9.4
ENSG00000092969-TGFB2	ENSG00000134259-NGF	ENSG00000163209-SPRR3	ENSG00000243701-LINC00883
ENSG00000100097-LGALS1	ENSG00000134363-FST	ENSG00000163219-ARHGAP25	ENSG00000250685-RP11-486L19.2
ENSG00000102781-KATNAL1	ENSG00000134755-DSC2	ENSG00000163507-KIAA1524	ENSG00000265491-RNF115
ENSG00000105048-TNNT1	ENSG00000136114-THSD1	ENSG00000164104-HMGB2	ENSG00000270069-MIR222HG
ENSG00000105143-SLC1A6	ENSG00000136542-GALNT5	ENSG00000164251-F2RL1	
ENSG00000105668-UPK1A	ENSG00000136720-HS6ST1	ENSG00000164379-FOXQ1	
ENSG00000105855-ITGB8	ENSG00000137185-ZSCAN9	ENSG00000165434-PGM2L1	
ENSG00000105968-H2AFV	ENSG00000137563-GGH	ENSG00000166396-SERPINB7	
ENSG00000105974-CAV1	ENSG00000137801-THBS1	ENSG00000166670-MMP10	
ENSG00000106258-CYP3A5	ENSG00000138311-ZNF365	ENSG00000167601-AXL	
ENSG00000107984-DKK1	ENSG00000139734-DIAPH3	ENSG00000167900-TK1	
ENSG00000109790-KLHL5	ENSG00000140955-ADAD2	ENSG00000168916-ZNF608	
ENSG00000110723-EXPH5	ENSG00000142089-IFITM3	ENSG00000171877-FRMD5	
ENSG00000111843-TMEM14C	ENSG00000142156-COL6A1	ENSG00000173706-HEG1	
ENSG00000111981-ULBP1	ENSG00000142227-EMP3	ENSG00000174669-SLC29A2	
ENSG00000112029-FBXO5	ENSG00000142871-CYR61	ENSG00000175063-UBE2C	
ENSG00000113580-NR3C1	ENSG00000143153-ATP1B1	ENSG00000176641-RNF152	
ENSG00000115380-EFEMP1	ENSG00000143322-ABL2	ENSG00000176697-BDNF	
ENSG00000115414-FN1	ENSG00000143479-DYRK3	ENSG00000177469-PTRF	
ENSG00000115457-IGFBP2	ENSG00000144063-MALL	ENSG00000177873-ZNF619	
ENSG00000117143-UAP1	ENSG00000145287-PLAC8	ENSG00000180694-TMEM64	
ENSG00000117228-GBP1	ENSG00000145431-PDGFC	ENSG00000181104-F2R	
ENSG00000117525-F3	ENSG00000145632-PLK2	ENSG00000181634-TNFSF15	
ENSG00000118523-CTGF	ENSG00000146648-EGFR	ENSG00000183347-GBP6	
ENSG00000119326-CTNNA1	ENSG00000147003-TMEM27	ENSG00000183779-ZNF703	
ENSG00000120738-EGR1	ENSG00000147180-ZNF711	ENSG00000183853-KIRREL	
ENSG00000120833-SOCS2	ENSG00000147650-LRP12	ENSG00000185070-FLRT2	

12) Genes downregulated in common in SW780 and 5637 cells following rosiglitazone treatment

ENSG00000109193-SULT1E1
ENSG00000119508-NR4A3
ENSG00000148344-PTGES
ENSG00000163545-NUAK2
ENSG00000165272-AQP3
ENSG00000226958-RNA28S5
ENSG00000227195-MIR663AHG
ENSG00000274173-RP4-568C11.4

13) Genes downregulated in common in UMUC1 and 5637 cells following rosiglitazone treatment

ENSG00000102870-ZNF629
ENSG00000116285-ERRFI1
ENSG00000117318-ID3
ENSG00000133069-TMCC2
ENSG00000138166-DUSP5
ENSG00000154175-ABI3BP
ENSG00000162981-FAM84A
ENSG00000170961-HAS2
ENSG00000171243-SOSTDC1
ENSG00000171388-APLN
ENSG00000180340-FZD2
ENSG00000180730-SHISA2
ENSG00000189184-PCDH18
ENSG00000198435-NRARP
ENSG00000261150-EPPK1

14) Genes downregulated in common in UMUC1, SW780, and 5637 cells following rosiglitazone treatment

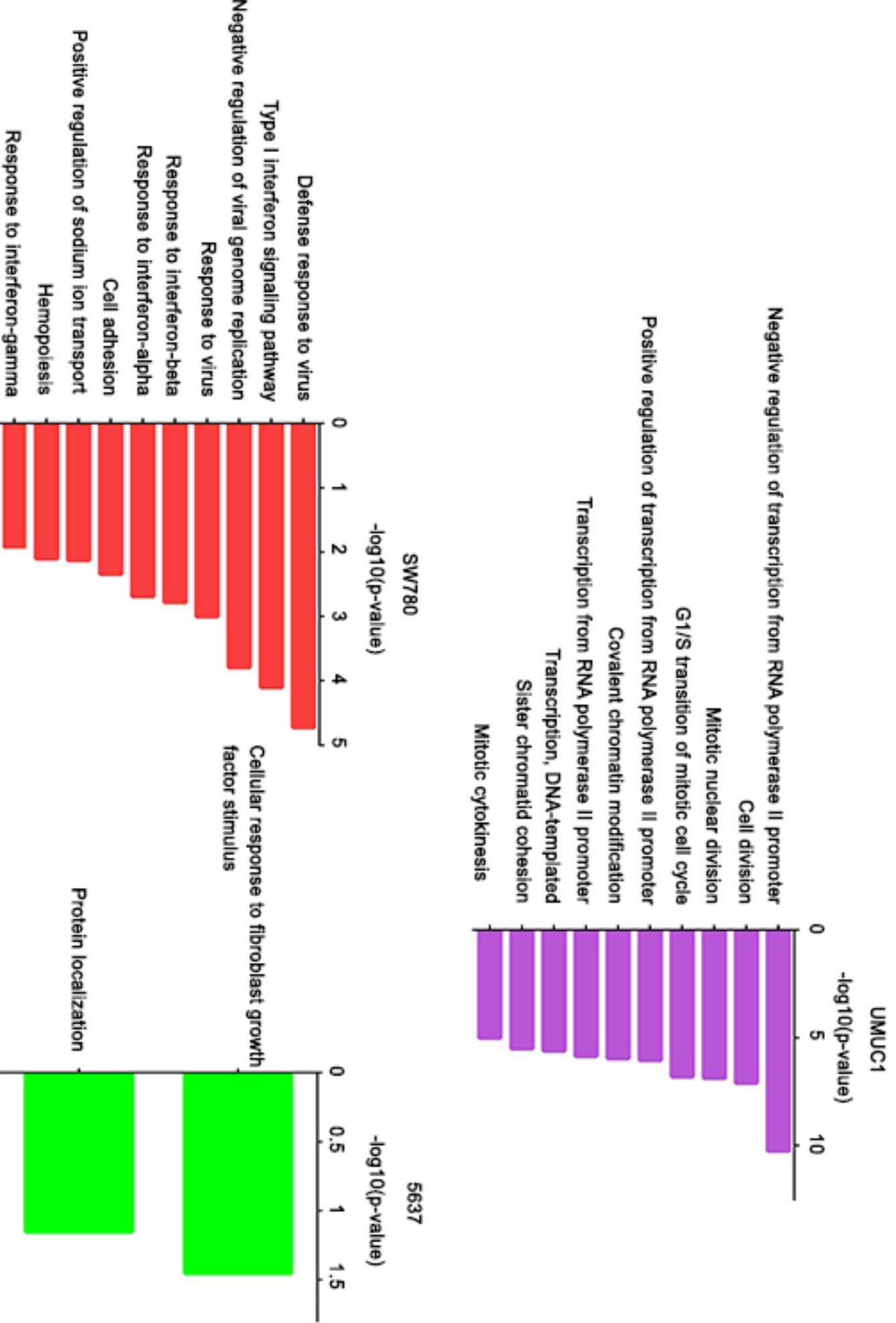
ENSG00000073756-PTGS2
ENSG00000081052-COL4A4
ENSG00000110876-SELPLG
ENSG00000115461-IGFBP5
ENSG00000120149-MSX2
ENSG00000168386-FILIP1L
ENSG00000181031-RPH3AL
ENSG00000197632-SERPINB2
ENSG00000202198-RN7SK
ENSG00000225840-RNA45S5

Supplementary Table S3: TFAP2A and TFAP2C Expression in Invasive UCC and Invasive SqD				
TFAP2A	N	Mean	STDEV	p value
Invasive UCC	83	1.16	2.01	<0.001 (Wilcoxon rank sum)
Invasive SqD	21	4.76	2.32	
TFAP2C	N	Mean	STDEV	p value
Invasive UCC	84	3.1	2.99	0.015 (Wilcoxon rank sum)
Invasive SqD	20	4.85	2.85	

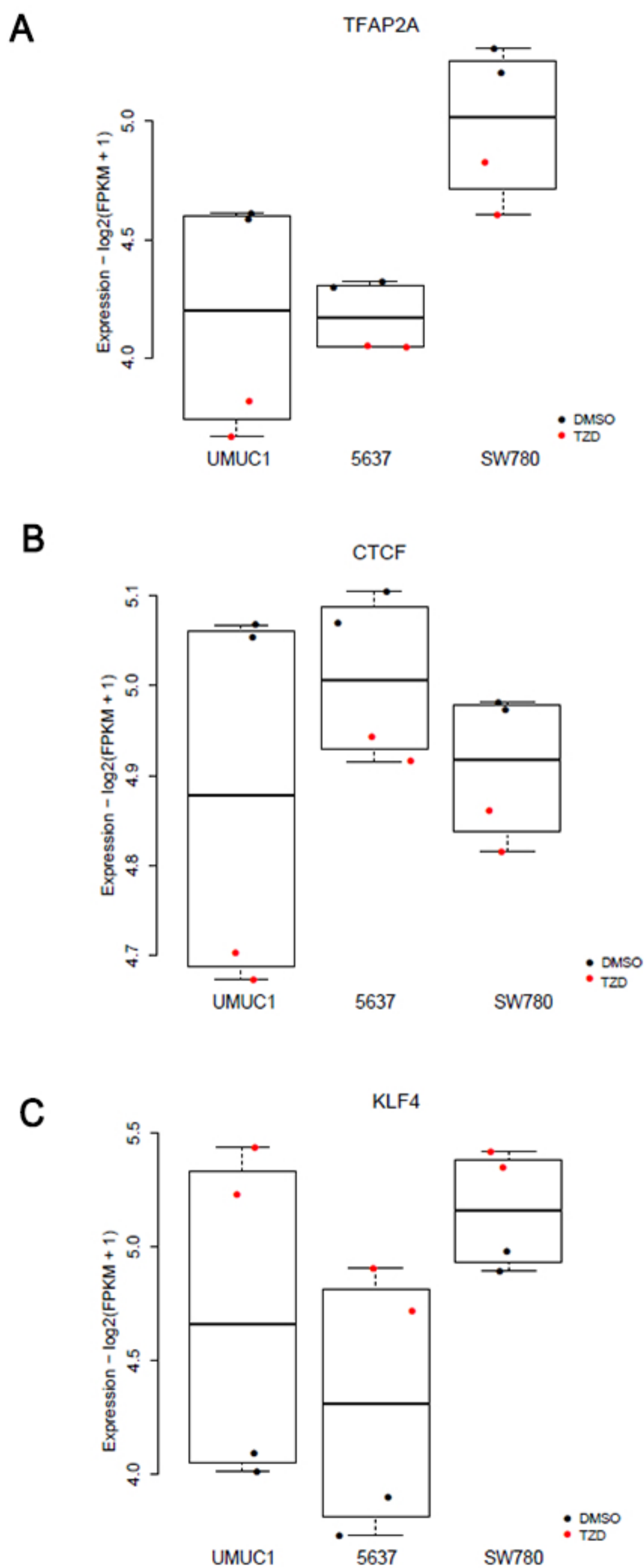
Supplementary Table S4: Association of TFAP2A and TFAP2C Expression with Clinical Variables in Invasive UCC

Lymph node metastasis				
TFAP2A	N	Positive	Negative	p value
pN0	58	8	50	0.049 (Chi square test)
pN1-pN3	36	11	25	
TFAP2C				
N	Yes	No	p value	
pN0	60	27	33	0.635 (Chi square test)
pN1-pN3	36	18	18	
Distant recurrence				
TFAP2A	N	Positive	Negative	p value
No recurrence	76	13	63	0.137 (Chi square test)
Recurrence	21	7	14	
TFAP2C				
N	Positive	Negative	p value	
No recurrence	78	32	46	0.037 (Chi square test)
Recurrence	21	14	7	

Supplementary Figure S1: Biological process identified by Gene Ontology (GO) analysis based on significantly downregulated genes following PPAR γ activation in UMCUC1, SW780, and 5637 cells. Top 10 biological process categories of significantly downregulated by PPAR γ activation are shown. The vertical axis shows biological process categories, and horizontal axis shows the $-\log_{10}(\text{P-value})$.

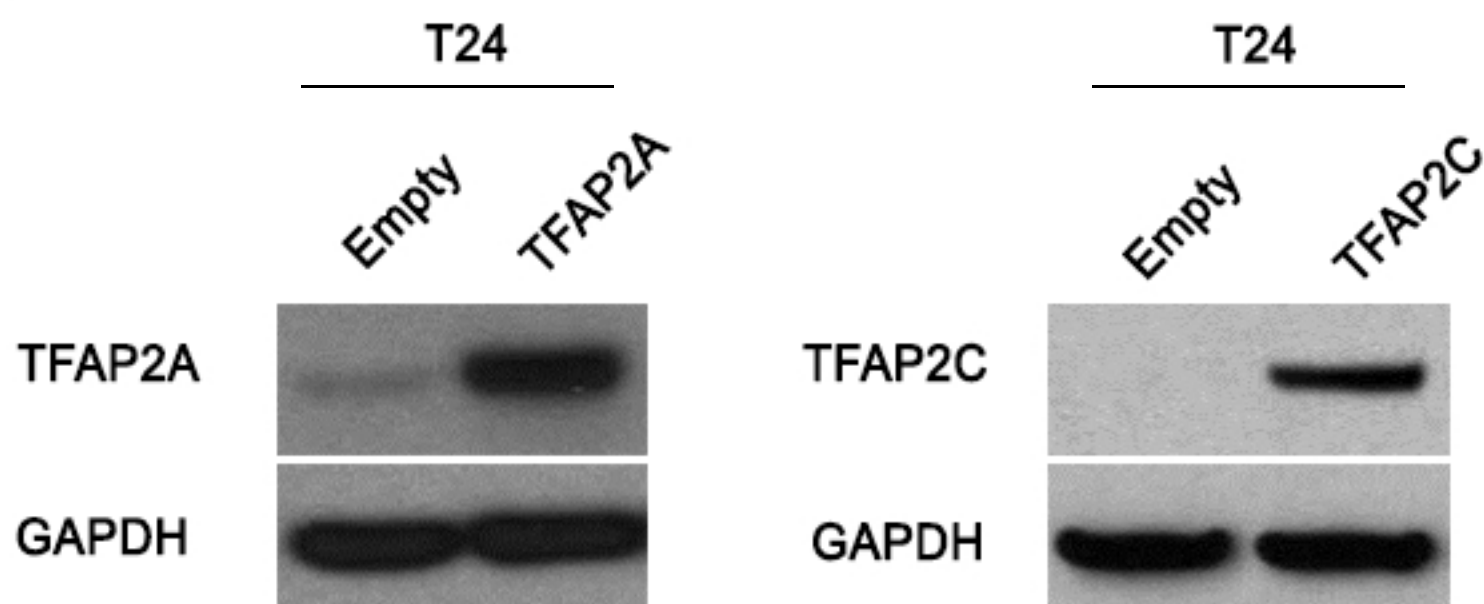


Supplementary Figure S2: Boxplot displays of gene expression of values ($\log_2(\text{FPKM} + 1)$) for TFAP2A, CTCF, and KLF4. TFAP2A (A), CTCF (B) and KLF4 (C) expression from RNA-seq analysis following treatment with DMSO (black filled circle) or PPAR γ agonist (TZD) (red filled circle) as described in materials and methods.



Supplementary Figure S3: Expression of TFAP2A and TFAP2C in T24 cells overexpressing TFAP2A or TFAP2C. A) Western blotting analysis of TFAP2A and TFAP2C protein expression levels in T24 cells overexpressing TFAP2A (left) or TFAP2C (right). B) q-RT-PCR analysis of TFAP2A and TFAP2C expression in T24 cells overexpressing TFAP2A and TFAP2C. * $p < 0.05$, *** $p < 0.001$ (Student's *t* test).

A



B

