

Supplementary Materials

Table S1. Top genes up-regulated or down-regulated by GPR158 over-expression

Exp 1		Exp 2A		Exp 2B	
Low Doxycycline		High Doxycycline		High Doxycycline	
72 hrs		24 hrs		96 hrs	
Top Up-Regulated Genes					
Gene	Fold-Change	Gene	Fold-Change	Gene	Fold-Change
H19	1.545	SLC8A2	2.174	LMOD3	1.742
SERPINE1	1.460	CDC42EP5	1.708	FAM175A	1.680
TP53I3	1.362	COL10A1	1.686	ZNF14	1.642
GDF15	1.354	RAP1GAP	1.596	ZNF486	1.635
PICALM	1.333	DLG4	1.488	SHROOM4	1.630
IFI44	1.321	BRSK1	1.475	CATSPER2	1.627
TMEM158	1.294	GPR162	1.458	DMC1	1.626
NCEH1	1.277	QPRT	1.458	BLZF1	1.623
IL32	1.276	DACT3	1.457	CDKN2AIPNL	1.588
PLCH2	1.265	SIRT4	1.433	ALPP	1.579
Top Down-Regulated Genes					
Gene	Fold-Change	Gene	Fold-Change	Gene	Fold-Change
GAS1	-1.516	RGS4	-2.778	DDIT3	-1.594
SVEP1	-1.444	AKR1C4	-2.206	YWHAE	-1.534
AKR1C3	-1.443	IL6	-2.067	NUPR1	-1.413
PDGFRB	-1.441	AKR1C1/C2	-1.991	HSPA5	-1.393
EPAS1	-1.387	CXCL12	-1.879	PLCG1	-1.387
CHI3L1	-1.370	KLF6	-1.818	CHMP3	-1.373
RN7SK	-1.355	THBS2	-1.809	AFF4	-1.370
RXRA	-1.328	TNFRSF21	-1.746	INHBE	-1.364
CA12	-1.317	CCL2	-1.744	TMEM50B	-1.319
AKR1C4	-1.313	RARRES1	-1.742	MANF	-1.312