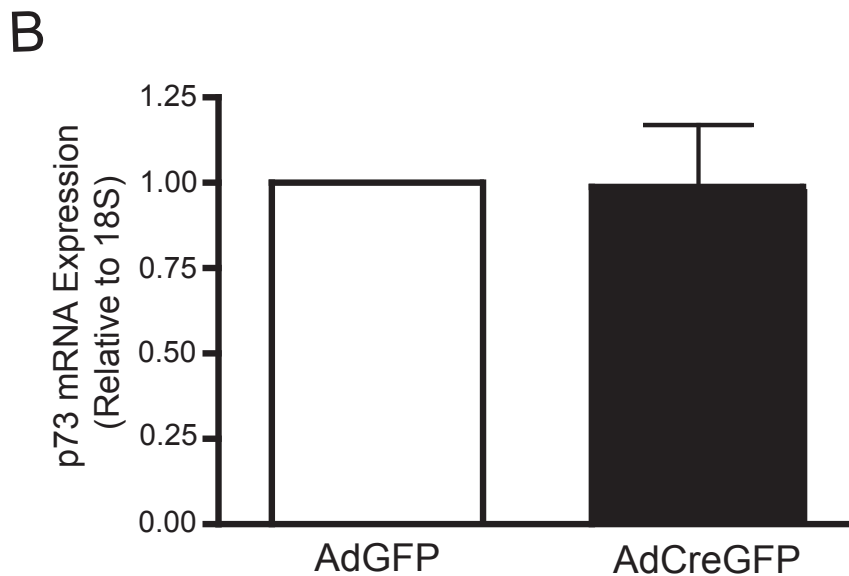
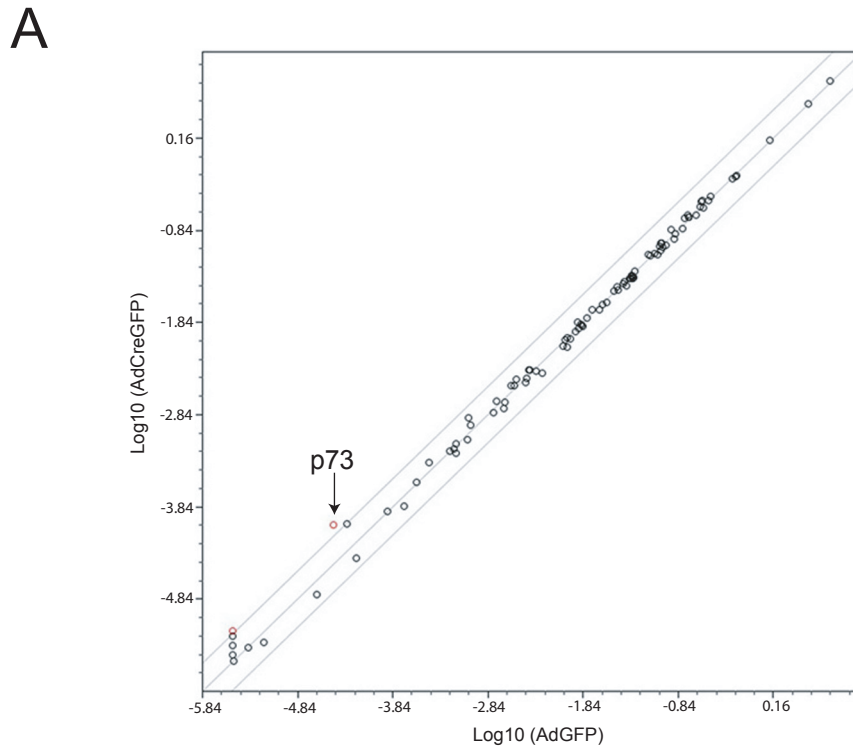


SUPPLEMENTAL DATA

Title: Identification of Stanniocalcin 2 as a Novel Aryl Hydrocarbon Receptor Target Gene

Authors: Tod A Harper Jr., Aditya D. Joshi, Cornelis J. Elferink

Journal: The Journal of Pharmacology and Experimental Therapeutics – JPET



Supplemental Figure 1. The loss of AhR protein does not alter expression of 84 well-defined apoptotic genes.
A. AhRfx/fx primary hepatocytes were infected with AdGFP or AdCreGFP for 24 hours. Total RNA was prepared for use in SABiosciences Mouse Apoptosis RT² Profiler PCR Array as described in the Materials and Methods. Individual transcripts (open circles) in the array are plotted as a function of their expression in AdGFP and AdCreGFP infected cells. Unchanged transcripts lie along the central diagonal line. The outer lines denote 2-fold changes in expression. The array was performed in triplicate using 3 biologically independent RNA preparations. The arrow identifies p73.
B. qRT-PCR was performed on the RNA to verify p73 expression independently. The data represents the mean \pm S.E.M. of three independent experiments. p73 mRNA expression was normalized to ribosomal RNA 18S.

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
12 Hour	1422565_s_at	NM_008688	Nfic	-1.46	0.0377478	-1.316	ND ¹
	1452074_at	NM_028343	Tmem135	-1.41	0.0439033	-1.074	ND
	1455645_at	NM_175418	8030451F13Rik	-1.36	0.0197448	-1.4109	0.705204
	1452395_at	NM_025885	Med19	-1.34	0.0135541	1.337	ND
	1431722_a_at	NM_027827	Afmid	-1.31	0.00871236	1.048	ND
	1426519_at	NM_011030	P4ha1	-1.3	0.00165891	-1.09	ND
	1428865_at	NM_029410	Bcl2l12	-1.29	0.015628	-1.437	ND
	1415957_a_at	NM_010925	Rrp1	-1.28	0.0477517	30.1258	0.073179
	1440915_at	NM_001081323	Mphosph9	-1.15	0.038924	-1.181	ND
	1447675_x_at	NM_010866	Myod1	-1.12	0.0187223	-1.2997	0.735987
	1443244_at	NM_029880	Ptgr2	1.15	0.0433498	-1.2532	0.589443
	1447659_x_at	NM_133826	Atp6v1h	1.15	0.00132547	-1.7491	0.758352
	1448070_at	NM_001035226	Xpo1	1.15	0.00319851	-1.2935	0.338644
	1458441_at	NM_172271	Slc6a17	1.15	0.013995	-3.4553	0.152444
	1419526_at	NM_010208	Fgr	1.15	0.0118045	-6.8066	0.184597
	1453495_at	NM_027097	Klk12	1.15	0.0519622	-4.3943	0.456866
	1443244_at	NM_029880	Ptgr2	1.15	0.0433498	1.273	ND
	1457724_at	NM_009984	Ctsl	1.15	0.0277524	1.016	ND
	1450912_at	NM_007641	Ms4a1	1.15	0.0453903	-2.768	ND
	1416434_at	NM_013479	Bcl2l10	1.16	0.023027	2.0216	0.594844
	1442149_at	NM_172443	Tbc1d16	1.17	0.019704	-1.2495	0.614209
	1443903_at	NM_008910	Ppm1a	1.17	0.0378589	1.0119	0.727244
	1432439_at	NM_027264	Zfp715	1.18	0.0130613	-2.0477	0.478696
	1427291_at	NM_011516	Sycp1	1.18	0.0593509	-7.521	ND
	1457240_at	NM_130860	Cdk9	1.19	0.0478827	-1.045	ND
	1430936_at	NM_134078	Chmp7	1.2	0.0185533	1.0179	0.806008
	1418263_at	NM_013932	Ddx25	1.22	0.0199518	1.1761	0.922095
	1442417_at	NM_020000	Med8	1.22	0.00702729	-1.3303	0.843149
	1445861_at	NM_013918	Usp25	1.22	0.0449911	-1.3338	0.275507
	1426512_at	NM_153157	Olfm3	1.23	0.0202879	2.252	ND

¹ ND, not determined due to insufficient sample size

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
12 Hour	1456033_at	NM_011536	Tbx4	1.24	0.00655649	-2.353	0.258499
	1458922_at	NM_177395	Map3k9	1.24	0.018436	-2.83	ND
	1446477_at	NM_144523	Zfp622	1.25	0.00508075	-1.1233	0.693553
	1423824_at	NM_026582	Gpr177	1.25	0.0584336	-1.139	ND
	1445543_at	NM_144842	Zmym5	1.26	0.00119374	-1.2485	0.676999
	1446315_at	NM_134037	Acly	1.26	0.00670916	-1.1031	0.942234
	1450211_at	NM_053011	Lrp1b	1.26	0.0178174	-5.0425	0.206188
	1458111_at	NM_145413	Fam20b	1.27	0.0293357	-1.034	ND
	1446448_at	NM_019663	Pias1	1.28	0.0198857	-1.1597	0.794687
	1420402_at	NM_001036684	Atp2b2	1.28	0.0402428	-1.274	ND
	1441631_at	NM_020494	Ddx24	1.28	0.0469727	-1.466	ND
	1416618_at	NM_008911	Ppox	1.29	0.0132195	-1.0092	0.809206
	1447243_at	XM_001476619	BC040756	1.29	0.0153648	-1.3757	0.703501
	1439569_at	NM_010287	Gpr83	1.3	0.00709981	-1.0988	0.66427
	1449729_at	NM_010202	Fgf4	1.3	0.024994	-1.628	ND
	1456967_at	NM_181853	Trim66	1.3	0.0313985	-4.491	ND
	1438493_at	NM_183139	Pld6	1.32	0.015361	-1.299	ND
	1447828_x_at	NM_026189	Eepd1	1.33	0.0275309	-1.2962	0.940483
	1446750_at	NM_008378	Impact	1.33	0.0167558	1.154	ND
	1454970_at	NM_001008705	Bud31	1.35	0.0328001	-1.611	ND
	1445091_at	NM_019864	Atr	1.39	0.0372469	-1.19	ND
	1452104_at	NM_197995	Arl16	1.39	0.0172165	68.938	ND
	1427606_at	NM_019461	Usp27x	1.4	0.0018845	-1.0392	0.634207
	1445798_at	NM_007862	Dlg1	1.42	0.0439951	-1.2559	0.472463
	1431231_at	NM_013548	Hist1h3f	1.45	0.00653143	-3.6214	0.724804
	1439345_at	NM_053110	Gpnmb	1.46	0.000873131	1.2445	0.521103
	1439626_at	NM_016963	Tmod3	1.6	0.0443229	-1.496	ND
	1442426_at	NM_001004436	Wapal	1.6	0.0596994	1.088	ND
	1440764_at	NM_009703	Araf	1.6	0.0330434	1.091	ND

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
12 Hour	1436769_at	NM_011965	Psma1	1.67	0.0364339	-1.41	ND
24 Hour	1422535_at	NM_001037134	Ccne2	-2.3	0.00556455	-2.3069	0.04303*
	1447640_s_at	NM_016768	Pbx3	-2.22	0.019032	1.496	ND
	1437187_at	NM_178609	E2f7	-2.21	0.0149549	1.6182	0.016985
	1454878_at	NM_001110017	Dzip3	-1.83	7.54E-04	-2.4505	0.008996
	1429499_at	NM_025995	Fbxo5	-1.82	0.0420618	-2.4155	0.034343
	1416680_at	NM_001033962	Ube3a	-1.79	0.0499803	-1.361	ND
	1424020_at	NM_022989	Arl6ip6	-1.78	0.00254829	-1.3932	0.044794
	1454952_s_at	NM_178113	Ncapd3	-1.78	0.00658319	-2.2623	0.005212
	1456280_at	NM_175554	Clspn	-1.74	0.00693641	-3.4987	0.118735
	1428900_s_at	NM_029790	Mett5d1	-1.69	0.0584134	-2.6575	0.021048
	1417760_at	NM_007430	Nr0b1	-1.68	0.0052307	1.2014	0.275835
	1453592_at	NM_027321	Lrrc39	-1.64	0.0387068	-2.412	0.026505
	1424410_at	NM_029553	Ttc8	-1.62	0.0370323	-2.2198	0.030252
	1452654_at	NM_178395	Zdhhc2	-1.58	0.0101698	-2.0041	0.001076
	1423577_at	NM_134071	Ankrd32	-1.58	0.0216935	-3.002	0.031489
	1427566_at	NM_001100454	Wfikkn1	-1.58	0.0545651	1.4215	0.330086
	1427670_a_at	NM_011544	Tcf12	-1.57	0.00977476	-2.2461	0.114768
	1456359_at	NM_172807	Ppwd1	-1.56	0.0137773	-1.6603	0.030693
	1448379_at	NM_133931	Pot1a	-1.56	0.0129491	-2.4448	0.055646
	1421473_at	NM_010554	Il1a	-1.56	0.0311228	-5.982	ND
	1418969_at	NM_013787	Skp2	-1.55	0.0217402	-1.4395	0.180132
	1433946_at	NM_009577	Zik1	-1.55	0.00256565	2.0906	0.101837
	1433946_at	NM_009577	Zik1	-1.55	0.00256565	1.022	ND
	1455724_at	NM_027322	Prrg1	-1.52	0.00618626	-2.3544	0.022508
	1440226_at	NM_001008501	Zfp760	-1.52	4.76E-03	-1.3037	0.569754
	1434682_at	NM_175466	Zfp770	-1.52	0.0047638	1.598	ND
	1429313_at	NM_013845	Ror1	-1.51	0.00499191	-3.3444	0.04543
	1429129_at	NM_028915	Lrrcc1	-1.5	0.017268	-3.2006	0.001882
	1456485_at	NM_001081152	Npat	-1.5	0.0212934	-2.0647	0.004807

* Bold font indicates statistical significance in both the microarray and qRTPCR validation

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
24 Hour	1423990_at	NM_027295	Rab28	-1.47	0.0226515	-2.1636	0.023441
	1416492_at	NM_007633	Ccne1	-1.47	0.0157672	2.047	ND
	1421866_at	NM_008173	Nr3c1	-1.46	0.0248413	-1.5194	0.00196
	1424072_at	NM_027251	2010107G23Rik	-1.46	0.00994554	-2.4089	0.012763
	1431422_a_at	NM_019819	Dusp14	-1.46	0.0123517	1.7395	0.043968
	1453327_at	NM_029393	Krt24	-1.46	0.0214941	3.128	ND
	1428667_at	NM_173740	Maoa	-1.44	0.010504	-2.5298	0.114411
	1427031_s_at	NM_144550	Ccdc52	-1.44	0.00639036	-1.7552	0.011657
	1420527_s_at	NM_001013832	Gpr31c	-1.44	0.018871	-1.0564	0.96883
	1422125_at	NM_008311	Htr2b	-1.43	0.0402935	-2.0297	0.174259
	1449891_a_at	NM_028523	Dcbld2	-1.42	0.0207998	-2.9245	0.078322
	1448701_a_at	NM_030675	Krit1	-1.41	0.0125251	-1.5119	0.067973
	1452276_at	NM_007958	Smarcad1	-1.41	0.0016967	-1.5881	0.038549
	1451503_at	NM_030152	Nol3	-1.41	0.0170388	1.1021	0.741342
	1417837_at	NM_009434	Phlda2	-1.4	0.0437577	1.0085	0.934224
	1431777_a_at	NM_026122	Hmgn3	-1.39	0.0482411	1.8419	0.014224
	1436309_at	NM_001081324	Neto2	-1.39	0.0492571	2.3922	0.034079
	1448429_at	NM_013755	Gyg	-1.39	0.00445538	-1.7075	0.002374
	1452210_at	NM_177372	Dna2	-1.39	0.0345378	-1.9635	0.041862
	1423421_at	NM_019683	Ankrd49	-1.39	0.0134246	-1.0631	0.737063
	1451175_at	NM_029701	Spcs3	-1.38	0.0372038	-1.6958	0.032139
	1431921_a_at	NM_009282	Stag1	-1.37	0.0216641	-2.5963	0.016583
	1420507_a_at	NM_026075	Sfrs12ip1	-1.35	0.0149634	-1.9565	0.054464
	1428103_at	NM_007399	Adam10	-1.35	0.0145373	-1.6489	0.174337
	1448638_at	NM_134092	Mtbp	-1.35	0.00715986	-1.5257	0.026033
	1436543_at	NM_153116	Gtpbp10	-1.35	0.0013415	-1.2764	0.412355
	1427500_at	NM_026911	Spcs1	-1.34	0.00472816	-1.5759	0.021898
	1453822_at	NM_028821	Dnalc1	-1.34	0.0296625	-1.259	0.108904
	1428633_at	NM_172253	Twistnb	-1.34	0.0164858	-1.191	ND
	1452106_at	NM_001029836	Npnt	-1.34	0.0732311	1.556	ND
	1448670_at	NM_009454	Ube2e3	-1.33	0.00155413	-1.6184	0.040876
	1448828_at	NM_025695	Smc6	-1.33	0.0160562	-1.6449	0.009969

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
24 Hour	1435390_at	NM_027698	Exod1	-1.32	0.00675148	2.0869	0.344391
	1437686_x_at	NM_009986	Cux1	-1.31	0.0051343	-1.1356	0.631894
	1425493_at	NM_009758	Bmpr1a	-1.3	0.0062146	-1.4118	0.134251
	1427971_at	NM_145991	Cdc73	-1.3	0.018011	-1.82	0.072477
	1456577_x_at	NM_145131	Pitrm1	-1.3	0.0253898	-1.095	ND
	1430500_s_at	NM_016804	Mtx2	-1.29	0.000437871	-1.4603	0.074679
	1421350_a_at	NM_028736	Grip1	-1.28	0.0120105	-1.9772	0.130463
	1419183_at	NM_133905	Papd4	-1.28	0.0530044	-1.727	0.075125
	1426272_at	NM_020295	Lmbr1	-1.28	0.0156544	-1.4361	0.139956
	1436436_at	NM_030131	Cnih4	-1.28	0.0107517	-1.101	0.722252
	1452953_at	NM_026210	Fam18b	-1.28	0.0208046	1.797	ND
	1423824_at	NM_026582	Gpr177	-1.27	0.0582184	-1.6654	0.201232
	1430129_a_at	NM_178599	Commd8	-1.27	0.00570525	-1.2904	0.132797
	1435242_at	NM_175310	Pds5b	-1.27	0.0235754	-3.1869	0.168024
	1440915_at	NM_001081323	Mphosph9	-1.27	0.00746927	-5.4427	0.536716
	1456133_x_at	NM_010580	Itgb5	-1.27	0.0424371	-1.1797	0.48399
	1437122_at	NM_009741	Bcl2	-1.25	0.0427953	1.3593	0.011624
	1454727_at	NM_178928	Afap111	-1.25	0.00789143	1.452	ND
	1417535_at	NM_025785	Fbxo25	-1.24	0.00358443	-1.6231	0.112262
	1425495_at	NM_001024846	Zfp62	-1.23	0.0450192	-1.1844	0.657075
	1443329_at	NM_020575	C3HC4	-1.22	0.0459186	-1.5203	0.023587
	1418908_at	NM_013626	Pam	-1.22	0.00184097	-1.7208	0.146979
	1437312_at	NM_007560	Bmpr1b	-1.21	0.00640859	1.3918	0.007601
	1449484_at	NM_011491	Stc2	-1.19	0.0414261	-7.6243	0.00075
	1425340_a_at	NM_008980	Ptpra	-1.19	0.0286731	-1.7787	0.029988
	1428741_at	NM_001038698	Elavl4	-1.19	0.0350276	-4.5072	0.062718
	1439896_at	NM_001034030	Limk2	-1.17	0.0498148	-1.9517	0.001298
	1434969_at	NM_176954	Bruno15	-1.13	0.0493031	1.4878	0.8925
	1426697_a_at	NM_013587	Lrpap1	1.15	0.033769	-1.4432	0.172929
	1419472_s_at	NM_010948	Nudc	1.16	0.0236997	-1.6958	0.216466
	1440674_at	NM_001037987	Edil3	1.16	0.00579451	-5.9214	0.017331
	1419053_at	NM_019781	Pex14	1.18	0.0388409	-1.4163	0.067536

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
24 Hour	1430083_at	XM_900147	2610307P16Rik	1.19	0.00608651	-2.9275	0.00047
	1442199_at	NM_001001177	BC051142	1.19	0.0109164	-13.4028	0.001997
	1418270_at	NM_013906	Adamts8	1.2	0.0206855	1.9468	0.294962
	1421247_at	NM_011041	Pax9	1.2	0.0291777	-1.2671	0.297761
	1449624_at	NM_001033296	Sel1l2	1.2	0.012553	-5.9717	0.028063
	1440251_s_at	NM_009564	Zfp64	1.21	0.0240486	-1.3608	0.389488
	1422520_at	NM_008691	Nefm	1.21	0.00937113	1.2377	0.540318
	1422669_at	NM_019480	Ebag9	1.22	0.0479554	-1.1931	0.430425
	1425937_a_at	NM_138753	Hexim1	1.22	0.0479554	1.3285	0.280463
	1422141_s_at	NM_033616	Csprs	1.22	0.0382522	1.75	ND
	1417631_at	NM_021461	Mknk1	1.23	0.00727506	-1.2577	0.592406
	1421128_at	NM_009453	Zrsr2	1.23	0.0309647	-1.3009	0.297299
	1451472_at	NM_026140	Ears2	1.23	0.0552563	-2.0082	0.222458
	1449217_at	NM_001122978	Casp8ap2	1.24	0.0456902	-1.1248	0.745156
	1455448_at	NM_198114	Dagla	1.24	0.00654762	3.419	ND
	1416920_at	NM_009032	Rbm4	1.26	0.0214421	-1.1448	0.567153
	1424120_at	NM_021419	Rnf8	1.26	0.0205861	-1.2176	0.133634
	1437369_at	NM_008001	Fgd1	1.26	0.0532073	-2.2836	0.023557
	1416579_a_at	NM_008532	Tacstd1	1.27	0.00160433	-1.0041	0.902398
	1420056_s_at	NM_033398	Jmjd6	1.27	0.0264347	-1.1392	0.292894
	1426465_at	NM_001042487	Dlgap4	1.27	0.00283408	-1.1137	0.687162
	1427910_at	NM_028623	Cst6	1.27	0.015732	196.1754	0.985704
	1417549_at	NM_001044747	Zfp68	1.27	0.0255634	-1.1519	0.677596
	1446783_at	NM_183358	Gadd45gip1	1.29	0.0124439	-1.2252	0.54995
	1419340_at	NM_031260	Mov10l1	1.29	0.0231991	-1.403	0.233716
	1429176_at	NM_199302	Lrsam1	1.29	0.0135811	-1.6621	0.055289
	1429850_x_at	NM_028070	Alkbh4	1.29	0.00316928	-1.5349	0.063819
	1453412_a_at	NM_028777	Sec14l1	1.3	0.0200196	1.1105	0.571274
	1455403_at	NM_172865	Manea	1.3	0.0459865	-1.6054	0.234381
	1422243_at	NM_008008	Fgf7	1.31	0.0496746	1.2164	0.740811
	1424907_a_at	NM_025648	Farsa	1.31	0.0043294	-1.1316	0.54651
	1429140_at	NM_029932	Spns3	1.31	0.0340807	-2.2709	0.042832

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
24 Hour	1436269_s_at	NM_019752	Htra2	1.31	0.0343619	2.4254	ND
	1454441_at	NM_001008238	Bnip2	1.31	0.0620141	-1.5772	0.000002
	1422435_at	NM_023333	2210010C04Rik	1.32	0.0278925	-1.5133	0.172405
	1416791_a_at	NM_016813	Nxf1	1.36	0.00840251	1.5489	0.259156
	1417603_at	NM_011066	Per2	1.36	0.00344548	-1.2936	0.582383
	1437212_at	XM_001481070	Zfp420	1.36	0.0315739	-1.9784	0.172254
	1428064_at	NM_001040111	Arap1	1.37	0.00602797	1.1278	0.585955
	1453184_at	NM_178618	2310040C09Rik	1.37	0.0239767	1.0533	0.831513
	1417811_at	NM_133221	Slc24a6	1.37	0.0598961	-1.0139	0.877839
	1453184_at	NM_178618	Fam83g	1.37	0.0239767	1.578	ND
	1428064_at	NM_001040111	Arap1	1.37	0.00602797	1.105	ND
	1438904_at	NM_173390	Nhsl1	1.38	0.0316195	-1.584	0.018374
	1460438_at	NM_028134	Lysmd1	1.38	0.00272478	1.4647	0.18356
	1426786_s_at	NM_178380	Dhx38	1.4	0.00451137	-1.1957	0.603455
	1422890_at	NM_130448	Pcdh18	1.42	0.050974	-1.8683	0.216253
	1457240_at	NM_130860	Cdk9	1.42	0.0302805	-1.7686	0.060803
	1434682_at	NM_175466	Zfp770	1.42	0.00914444	-1.4346	0.143049
	1431805_a_at	NM_027897	Rhpn2	1.43	0.00706566	-1.0788	0.76668
	1439190_at	NM_028429	Fhad1	1.43	0.00792059	1.8651	0.107604
	1431805_a_at	NM_027897	Rhpn2	1.43	0.00706566	1.075	ND
	1438167_x_at	NM_146018	Ficn	1.45	0.0162386	-1.0443	0.86232
	1449702_at	NM_133349	Zfand2a	1.45	0.0423697	1.1629	0.614355
	1440614_at	NM_021493	4933428G20Rik	1.53	0.00080682	-1.1004	0.505793
	1450816_at	NM_015810	Polg2	1.54	0.0261729	1.3182	0.313186
	1416041_at	NM_011361	Sgk1	1.55	0.0117658	1.136	0.591063
	1416896_at	NM_009097	Rps6ka1	1.57	0.00550452	1.111	0.557733
	1450364_a_at	NM_134248	Havcr1	1.59	0.0223734	1.6582	0.273444
	1420185_at	NM_138744	Ssx2ip	1.76	0.00669644	-1.6256	0.13017
	1447966_a_at	NM_177670	Tmem69	1.83	0.0313526	-1.0774	0.822957
	1430357_at	NM_008211	H3f3b	1.87	0.00427678	2.105	ND
	1447854_s_at	NM_178214	Hist2h2be	1.95	0.00999838	4.139	ND
	1417491_at	NM_007798	Ctsb	1.96	0.00888385	-1.1478	0.590946

Supplemental Table 1

	ProbeSet ID	Accession#	Gene Symbol	Fold Change (Microarray)	p-value (Microarray)	Fold Change (qRT-PCR)	p-value (qRT-PCR)
24 Hour	1417491_at	NM_007798	Ctsb	1.96	0.00888385	2.378	ND
	1454254_s_at	NM_029639	1600029D21Rik	2.01	0.0271417	-9908944.781	0.146438
	1435382_at	NM_010882	Ndn	2.06	0.0423586	-1.4904	0.000498
	1422327_s_at	NM_008062	G6pdx	2.12	0.00679112	2.4902	0.13793
	1437842_at	NM_207279	Plcx1	2.13	0.0487732	2.3004	0.010372
	1457724_at	NM_009984	Ctsl	2.18	3.88E-04	-1.284	0.058499
	1417273_at	NM_013743	Pdk4	2.36	0.0270769	1.1888	0.452556
	1417273_at	NM_013743	Pdk4	2.36	0.0270769	4.366	ND
	1448354_at	NM_008062	G6pdx	2.72	1.46E-05	2.6259	0.040872
	1424752_x_at	XM_620861	Zfp71	2.98	0.0021718	-1.1017	0.641135
	1441793_at	NM_001099632	Rnf39	3.44	0.016834	1.8708	0.034122