

## Supplementary Table 5

### Up-regulated genes

#gene name	sROOTp	fdrp	meanFCrmaP	meanFCnomP	Representative Public ID	Gene Symbol
1422545_at	4.29	0.00	4.59	12.17	NM_009324	---
1419408_at	12.15	0.00	3.79	8.88	AF050130	Six6
1427300_at	37.44	0.00	3.38	7.37	D49658	Lhx8
1416776_at	16.32	0.00	3.01	6.41	NM_016669	Crym
1418476_at	22.85	0.00	2.81	5.44	NM_018827	Crlf1
1437479_x_at	32.53	0.00	2.07	5.11	BB728182	Tbx3
1448029_at	33.36	0.00	2.66	4.97	AA543734	Tbx3
1444043_at	33.23	0.00	2.53	4.59	AI173484	Gli3
1436869_at	127.46	0.00	2.52	4.56	AV304616	Shh
1455498_at	108.32	0.00	2.38	4.16	BQ032613	Gpr50
1431168_at	48.81	0.00	2.33	4.00	AW209946	Six3os1
1451882_a_at	64.57	0.00	2.26	3.82	U18673	Fgf8
1441429_at	52.54	0.00	2.26	3.82	BB295945	Irs4
1416149_at	91.99	0.00	2.24	3.76	AB038696	Olig1
1438042_at	168.67	0.04	2.21	3.68	AV332957	Shox2
1459790_x_at	73.93	0.00	2.02	3.64	AV169968	Alx3
1427571_at	116.14	0.00	2.18	3.58	X76290	Shh
1448321_at	65.41	0.00	2.17	3.57	NM_022316	Smoc1
1448326_a_at	74.08	0.00	2.15	3.52	NM_013496	Crabp1
1424007_at	58.98	0.00	2.14	3.49	L42114	Gdf10
1457396_at	79.79	0.00	2.14	3.48	BB444165	---
1428485_at	110.70	0.00	2.13	3.46	AK009873	Car12
1422346_at	110.53	0.00	2.12	3.42	NM_009385	Titf1
1451342_at	160.77	0.02	2.01	3.37	BC020531	Spon1
1455604_at	86.97	0.00	2.09	3.35	BB795235	Fzd5
1456239_at	96.89	0.00	2.07	3.29	BB801085	Fgf17
1460038_at	204.24	0.05	2.05	3.24	BG065255	Pou3f1
1418678_at	101.42	0.00	2.01	3.15	NM_008216	Has2
1453599_at	105.43	0.00	2.01	3.15	BB712433	Trim71
1454681_at	118.76	0.00	2.01	3.14	BG070112	Rbm35a
1457424_at	90.03	0.00	2.00	3.12	BB760085	Eya1
1419152_at	310.39	0.13	2.18	3.06	AK017673	2810417H13Rik
1448789_at	264.21	0.08	1.98	3.06	AF253409	Aldh1a3
1454737_at	100.68	0.00	1.98	3.06	AV295798	Dusp9
1433845_x_at	101.96	0.00	1.96	3.01	AV295798	Dusp9
1434279_at	119.23	0.00	1.99	3.01	BG976607	Mtm1
1421523_at	123.60	0.00	1.95	2.98	NM_008004	Fgf17
1439568_at	103.16	0.00	1.94	2.97	AV373997	Greb1
1426598_at	289.68	0.09	1.94	2.96	BB742957	Uty
1424951_at	99.61	0.00	1.94	2.95	BC015459	Baiap2l1
1444596_at	130.66	0.00	1.93	2.95	AW493093	Pax7
1416579_a_at	118.50	0.00	1.93	2.95	BC005618	Tacstd1
1416232_at	227.24	0.06	1.93	2.93	AB038697	Olig2
1423062_at	221.67	0.06	1.09	2.87	AV175389	Igfbp3
1455930_at	115.56	0.00	1.09	2.87	BI651113	LOC673503
1454904_at	144.12	0.00	1.09	2.86	BG976607	Mtm1
1430143_at	125.21	0.00	1.89	2.84	AK015205	4930426D05Rik
1456673_at	147.17	0.00	1.89	2.84	AW554761	AL022943
1449545_at	154.75	0.02	1.88	2.82	NM_008005	Fgf18

1420555_at	149.01	0.00	1.87	2.79	NM_007441	Alx3
1424942_a_at	183.46	0.06	1.87	2.79	BC006728	Myc
1417845_at	153.02	0.00	1.86	2.76	BC005718	Cldn6
1449187_at	204.86	0.05	1.84	2.71	BB371842	Pdgfa
1429055_at	187.18	0.06	1.83	2.69	BB559293	4930506M07Rik
1442180_at	186.41	0.06	1.82	2.66	BB382040	Dleu7
1434280_at	258.60	0.07	1.82	2.66	BG976607	Wiz
1432591_at	179.11	0.06	1.81	2.65	BB635017	Pappa
1458268_s_at	248.77	0.06	1.81	2.64	AI649005	Igfbp3
1421727_at	141.11	0.00	1.08	2.63	NM_010164	Eya1
1435022_at	195.32	0.06	1.08	2.62	BB366930	Cart1
1418376_at	199.78	0.05	1.08	2.62	NM_008003	Fgf15
1460044_at	292.65	0.09	1.79	2.61	BB389395	---
1435338_at	164.02	0.04	1.79	2.59	BM238926	Cdk6
1437752_at	273.49	0.07	1.78	2.57	BB706377	Lin28
1434278_at	246.65	0.06	1.78	2.57	BG976607	Mtm1
1423340_at	237.90	0.06	1.77	2.56	AV334599	Tcfap2b
1449169_at	220.01	0.06	1.77	2.54	NM_008216	Has2
1427633_a_at	179.22	0.06	1.77	2.54	AF439513	Pappa
1418601_at	239.71	0.06	1.74	2.49	NM_011921	Aldh1a7
1416316_at	232.20	0.06	1.74	2.49	BC013442	Slc27a2
1450517_at	348.94	0.15	1.73	2.46	NM_009317	Tal2
1429951_at	465.42	0.21	1.73	2.45	AK005150	Ssbp2
1422866_at	201.99	0.05	1.72	2.43	NM_007731	Col13a1
1434606_at	215.15	0.07	1.71	2.41	BF140685	Erbp3
1454623_at	227.16	0.06	1.07	2.39	BG141511	Cpa2
1457693_a_at	213.92	0.05	1.69	2.35	AV343405	6430537H07Rik
1452936_at	284.25	0.07	1.68	2.34	AV341285	Crtac1
1428142_at	297.16	0.10	1.68	2.34	AK003461	Etv5
1429809_at	444.57	0.20	1.68	2.33	AK018506	Tmtc2
1418424_at	280.25	0.07	1.68	2.33	NM_009398	Tnfaip6
1442315_at	259.04	0.07	1.67	2.32	AI426778	AI426778
1424152_at	316.69	0.14	1.67	2.31	BG064756	---
1426606_at	316.61	0.14	1.66	2.29	BB426194	Crtac1
1416693_at	373.66	0.16	1.66	2.29	NM_013519	Foxc2
1435695_a_at	248.96	0.06	1.65	2.28	AA673177	A030007L17Rik
1450990_at	260.97	0.06	1.65	2.27	AW107802	Gpc3
1428837_at	253.20	0.07	1.65	2.27	AK018108	Klh14
1456069_at	286.80	0.10	1.64	2.26	BM117918	Dtna
1418499_a_at	357.66	0.14	1.64	2.25	NM_020574	Kcne3
1434411_at	463.92	0.21	1.63	2.24	BB114398	---
1437904_at	398.38	0.17	1.63	2.24	BB821609	Drbp1
1455280_at	325.21	0.15	1.64	2.24	BI452538	Frem1
1425094_a_at	458.24	0.20	1.64	2.24	AB031040	Lhx6
1454966_at	319.76	0.15	1.63	2.23	BQ175493	Itga8
1436425_at	286.12	0.08	1.62	2.22	BB486252	Ankrd38
1434939_at	319.24	0.15	1.63	2.22	BB437522	Foxf1a
1427133_s_at	334.09	0.14	1.62	2.21	C80829	Lrp2
1455287_at	325.58	0.14	1.61	2.19	BM238926	Cdk6
1418711_at	408.51	0.16	1.61	2.19	BB371842	Pdgfa
1416168_at	291.31	0.09	1.61	2.19	NM_011340	Serpinf1
1443240_at	324.94	0.15	1.61	2.18	AV319208	Gpc3
1427277_at	472.77	0.21	1.61	2.18	BB137929	Six1
1434171_at	351.54	0.15	1.06	2.17	BB398891	C330011K17Rik
1456454_at	476.75	0.22	1.06	2.17	BB759122	Cart1
1435493_at	336.61	0.15	1.61	2.17	AV297961	Dsp
1420998_at	434.61	0.19	1.06	2.17	BG966751	Etv5
1424211_at	303.36	0.11	1.06	2.16	BC011293	5730438N18Rik
1430554_at	383.24	0.16	1.06	2.16	BB524113	Lrig3

1426048_s_at	464.33	0.21	1.59	2.15	BC021623	Hrc /// Tcfap2a
1417801_a_at	349.59	0.15	1.59	2.15	NM_008905	Ppfibp2
1456935_at	476.46	0.22	1.59	2.14	AI606473	AI606473
1452968_at	431.96	0.19	1.59	2.14	AK003674	Cthrc1
1449823_at	369.82	0.16	1.59	2.14	NM_033605	Dach2
1456329_at	520.13	0.30	1.59	2.14	BB130087	Prtg
1440005_at	511.99	0.30	1.58	2.12	BB667396	C730009D12
1425652_s_at	420.25	0.17	1.58	2.12	AF148511	Rbpms
1427436_at	417.90	0.17	1.58	2.11	D83147	Six2
1428922_at	503.60	0.30	1.57	2.09	AK004681	1200009O22Rik
1427489_at	126.67	0.00	1.92	2.09	BB623587	Itga8
1424903_at	476.00	0.23	1.57	2.09	AF127244	Jarid1d
1435438_at	674.33	0.58	1.57	2.09	AV345303	Sox8
1426438_at	507.44	0.30	1.56	2.08	AA210261	Ddx3y
1430555_s_at	484.72	0.23	1.56	2.08	BB524113	Lrig3
1457867_at	216.16	0.06	1.87	2.08	BB360745	Sgpp2
1452077_at	569.76	0.35	1.56	2.07	AA210261	Ddx3y
1422523_at	565.90	0.34	1.56	2.07	NM_021882	Si
1427523_at	395.26	0.16	1.56	2.07	AI509029	Six3 /// E130112M24Rik
1449939_s_at	388.23	0.16	1.55	2.06	NM_010052	Dlk1
1452320_at	196.91	0.05	1.79	2.06	C80829	Lrp2
1424797_a_at	564.46	0.34	1.55	2.06	U80011	Pitx2
1422723_at	378.48	0.16	1.55	2.06	NM_009291	Stra6
1427284_a_at	427.84	0.18	1.56	2.06	AU019171	Ttpa
1435106_at	390.09	0.16	1.55	2.05	AV024662	3732412D22Rik
1431704_a_at	357.41	0.14	1.55	2.05	AK018622	Ralgps2
1436584_at	469.74	0.22	1.55	2.05	BB529691	Spry2
1436791_at	438.54	0.19	1.55	2.05	BB067079	Wnt5a
1435943_at	467.93	0.22	1.54	2.04	AI647687	Dpep1
1457086_at	552.23	0.32	1.55	2.04	AW123201	LOC434147
1435555_at	399.66	0.17	1.54	2.03	AW552088	---
1453985_at	257.56	0.07	1.66	2.03	AK002307	0610007P08Rik
1419593_at	264.03	0.08	1.66	2.03	NM_015764	Greb1
1450723_at	767.05	0.87	1.54	2.03	BQ176915	Isl1
1434441_at	342.16	0.15	1.62	2.02	BB525584	1110018J18Rik
1455735_at	424.02	0.17	1.54	2.02	AW259574	Ap1s3
1460513_a_at	402.91	0.16	1.54	2.02	AK017486	Ednra
1415857_at	474.46	0.22	1.53	2.02	BG064842	Emb
1438410_at	621.30	0.44	1.54	2.02	BB295128	Prtg
1428853_at	492.81	0.25	1.62	2.02	BG071079	Ptch1
1424153_s_at	502.99	0.30	1.53	2.02	BG064756	Sall4
1429768_at	516.50	0.30	1.53	2.01	BB355121	Dtna
1450082_s_at	576.85	0.35	1.53	2.01	BG966751	Etv5
1433512_at	492.59	0.25	1.57	2.01	BB138212	Fli1
1451691_at	487.57	0.24	1.53	2.00	BC008277	Ednra