Table S1: Probes up regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR1, when filtered using high stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr1* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.05 and fold change ≥ 2 are classed as up regulated.

Affymetrix probe set	Accession	Name	p-value	FDR	Control mean	dnFGFR1 mean	Fold change (dnFGFR1/control)
Xl.2565.4.S1_x_at	BG810694		< 1e-07	< 1e-07	5	1240.26	248.052
Xl.15572.1.A1_at	BJ088128		0.0010303	0.027	7.34	33.7	4.591280654
Xl.12378.1.S1_at	BC043841	tsc22d3	0.0003053	0.016	13.14	41.71	3.174277017
Xl.1685.1.S1_at	AF314056	LOC398260	0.0010987	0.0279	7.7	22.98	2.984415584
Xl.6024.1.S1_at	CD324819	darmin	0.0016442	0.0338	23.15	66.66	2.879481641
Xl.23988.1.S1_at	BJ044287		0.0126135	0.158	76.58	217.56	2.84095064
Xl.131.1.S1_at	X60099	hesx1-b	0.0034174	0.0597	12.36	33.45	2.70631068
Xl.509.1.S1_at	BC046269	atp1b2	0.0207859	0.221	35.85	96.36	2.687866109
Xl.16094.1.A1_at	BJ046394	grhl2	0.0009144	0.0247	5.61	14.64	2.609625668
Xl.5486.1.A1_at	BJ091754		0.0350822	0.32	5	12.47	2.494
Xl.8949.1.S1_at	AF217544	adc	0.0103867	0.138	312.22	744.58	2.384792774
Xl.841.3.S1_a_at	X17545	pdgfa	0.0002613	0.0157	5.21	12.38	2.376199616
Xl.24565.1.A1_at	BG485946		0.0168669	0.189	9.75	22.11	2.267692308
Xl.12126.1.S1_at	AB071434	hes7.1	0.001651	0.0338	49.69	108.8	2.189575367
Xl.6054.1.A1_at	BG555273	gata2	0.0401993	0.355	34.47	74.39	2.1581085
Xl.11598.1.A1_at	AW460608		0.0040333	0.0677	125.49	269.41	2.146864292
Xl.5501.1.A1_at	BE027102		0.0016134	0.0338	5.44	11.25	2.068014706
Xl.1285.2.S3_a_at	BG730579	mylc2a	0.0167962	0.189	6.56	13.46	2.051829268

Table S2: Probes down regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR1, when filtered using high stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr1* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.05 and fold change ≤ 0.5 are classed as down regulated.

Affymetrix probe set	Accession	Name	p-value	FDR	Control mean	dnFGFR1 mean	Fold change (dnFGFR1/control)
Xl.644.1.S1_at	AF223426		1.74E-05	0.00292	111.53	14.27	0.127947637
Xl.637.1.A1_at	AF250345	egr1-a	1.07E-05	0.00224	68.47	9.29	0.13567986
Xl.15270.1.A1_at	BI447679		0.0008103	0.0246	53.28	7.49	0.140578078
Xl.642.1.S1_at	AF162782	foxd4l1.1-a	5.44E-05	0.00672	122.87	20.62	0.167819647
Xl.514.1.S1_at	M77243	t-a	0.0006476	0.0242	338.14	57.17	0.169071982
Xl.16206.1.A1_at	BM172525	pnp	0.0001613	0.015	73.67	13.08	0.177548527
Xl.5454.1.S1_at	AF394111	xmc	0.0024224	0.0442	244.06	46.21	0.189338687
Xl.7713.1.A1_at	BF231796		5.10E-06	0.00143	26.27	5	0.190331176
Xl.6173.1.A1_at	AW782445	MGC81522	2.10E-06	0.000881	153.46	31.08	0.202528346
Xl.12993.1.A1_at	BJ051675		0.0002526	0.0157	78.26	20	0.255558395
Xl.14524.1.S1_at	BJ057112	LOC398356	0.0005444	0.023	439.25	113.18	0.257666477
Xl.13.1.S1_at	BC043626	epha4-b	0.0024254	0.0442	61.79	16.21	0.262340184
Xl.25136.1.A1_at	CB756627	cnrip1	0.0045811	0.0739	39.85	11.83	0.296863237
Xl.7815.1.A1_at	BJ056085	MGC80198	0.0005488	0.023	248.13	75.73	0.305202918
Xl.958.1.S2_at	AB038353	zeb2	0.0008071	0.0246	16.32	5	0.306372549
Xl.802.1.S1_at	BG016128	LOC397753	0.0015129	0.0338	28.61	8.95	0.312827683
Xl.7720.1.A1_at	BF615090		0.0221682	0.23	33.28	11.31	0.33984375
Xl.3370.1.S1_at	L25857	hoxd1	0.0134059	0.165	35.12	12.06	0.343394077
Xl.15623.1.A1_at	CB756273	pfkfb3	0.0004456	0.0208	197.81	69	0.348819574
Xl.146.1.S1_at	AJ009303	myf5	0.0100667	0.138	23.46	8.29	0.353367434
Xl.403.1.S1_at	AF064810	foxb1	0.0008401	0.0246	13.77	5	0.363108206
Xl.19933.1.S1_at	BQ401062		0.0011952	0.0287	145.16	53.32	0.367318821
Xl.212.2.S1_a_at	U78598	frzb-1	0.0150985	0.176	363.63	134.34	0.369441465
Xl.19933.2.A1_at	BQ400802		0.0016184	0.0338	142.44	53.17	0.373279978
Xl.18179.1.S1_at	BI312705		0.0019724	0.0394	20.03	7.5	0.374438342
Xl.10269.1.S1_at	U02034	cdx4	0.0057503	0.0862	44.07	16.59	0.376446562
Xl.5454.1.S2_at	BJ044312	xmc	0.0139569	0.167	202.33	76.85	0.379825038
Xl.7969.1.S1_at	AB005292	zic3	0.0002328	0.0157	173.08	66.44	0.383868731
Xl.5876.1.A1_at	AW766385	apobec2	0.0102981	0.138	23.51	9.04	0.384517227
Xl.4522.1.S1_at	AF027175	irx3	0.000639	0.0242	114.06	43.94	0.385235841
Xl.3529.1.A1_at	BJ056268	pnhd	0.0001784	0.015	326.81	126.29	0.386432484

Xl.933.1.S1_at	AB022680	t2	5.61E-05	0.00672	12.93	5	0.386697602
Xl.3468.1.S1_at	AF308810	gl	0.006265	0.0922	60.44	23.87	0.394937128
Xl.1607.1.S1_at	BG347479		0.000292	0.016	76.31	30.57	0.400602804
Xl.1299.1.S1_at	BC043760	alpl	0.0037366	0.064	65.53	26.26	0.400732489
Xl.13.2.A1_at	BJ080037	epha4	0.0020929	0.0408	49.62	20.1	0.405078597
Xl.3540.1.S1_at	AF131890	LOC398134	0.0001969	0.015	128.86	52.4	0.406642868
Xl.11964.1.S2_at	AF369901	spry2	0.0023311	0.0442	68.23	27.84	0.408031658
Xl.11619.1.S1_at	AW148258		0.001179	0.0287	42.23	17.43	0.412739758
Xl.23638.1.S1_at	BC047247	kcnk6	0.0008836	0.0247	20.94	8.88	0.424068768
Xl.3005.1.S1_at	AF310007	sall1-a	0.0179849	0.199	340.27	146.49	0.430511065
Xl.2755.1.S1_at	AY062263	gli1.2	0.0003844	0.019	617.47	267.13	0.432620208
Xl.1929.1.A1_at	BG439709	frzb	0.0341194	0.318	592.91	256.55	0.432696362
Xl.11965.1.S1_s_at	AF331825		0.0001643	0.015	101.95	44.96	0.44100049
Xl.21949.1.A1_at	BJ098958		0.0394766	0.352	11.73	5.26	0.448422847
Xl.5479.1.A1_at	BJ092401		0.0425046	0.368	195.93	88	0.449139999
Xl.5908.2.A1_at	BJ051206		0.0349209	0.32	81.62	36.7	0.449644695
Xl.1108.1.S1_at	BC047955	pcdh8.2	0.0008513	0.0246	307.08	141.15	0.459652208
Xl.1082.1.S1_at	S93559	foxa4-b	0.0046879	0.0742	282.77	130.78	0.462496022
Xl.11965.1.S1_at	AF331825	LOC398232	0.0006912	0.0242	84.84	39.37	0.464049976
Xl.1944.1.S1_at	BC043875	ctr9	0.0213499	0.224	17.24	8.02	0.465197216
Xl.3549.1.S1_at	BF610870	chrd	0.000827	0.0246	156.86	73.46	0.468315696
Xl.11129.1.A1_at	AW766736		0.023727	0.243	18.11	8.57	0.473219216
Xl.3352.1.S1_at	L11263		0.0055746	0.085	779.96	370.91	0.475550028
Xl.523.1.S1_at	AJ298866	foxd3-b	0.0157626	0.181	21.1	10.05	0.476303318
Xl.16733.1.A1_at	BJ054400		0.0042531	0.07	34.47	16.55	0.480127647
Xl.2755.2.A1_at	BJ049843	sp5l	0.0006816	0.0242	1817.64	882.43	0.485481173
Xl.15374.1.A1_at	BJ077463		0.0013185	0.0307	138.26	67.81	0.49045277
Xl.11594.1.A1_at	AW460550		0.0194153	0.212	18.51	9.23	0.498649379

Table S3: Probes up regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using high stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr4* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.05 and fold change ≥ 2 are classed as up regulated.

Affymetrix probe set	Accession	Name	p-value	FDR	Control mean	dnFGFR4 mean	Fold change (dnFGFR4/control)
Xl.2565.4.S1_x_at	BG810694		< 1e-07	< 1e-07	5	1798.31	359.662
Xl.4965.1.S1_at	AJ278067	irg1	0.0003993	0.00644	21.09	286.7	13.59412044
Xl.15572.1.A1_at	BJ088128		0.0002279	0.00435	7.34	59.22	8.068119891
Xl.23988.1.S1_at	BJ044287		0.0005461	0.0079	76.58	418.12	5.459911204
Xl.12378.1.S1_at	BC043841	tsc22d3	1.72E-05	0.000801	13.14	53.48	4.070015221
Xl.736.1.S1_at	AF310008	LOC398207	0.0066501	0.0689	65.15	246.72	3.786953185
Xl.8124.1.S1_at	BJ045090	MGC115642	0.0228394	0.182	30	112.39	3.746333333
Xl.131.1.S1_at	X60099	hesx1-b	0.0010258	0.0132	12.36	42.92	3.472491909
Xl.2077.1.A1_at	AW147865		0.0007094	0.00992	6.08	20.26	3.332236842
Xl.841.3.S1_a_at	X17545	pdgfa	2.08E-05	0.000801	5.21	16.65	3.195777351
Xl.12126.1.S1_at	AB071434	hes7.1	0.0016109	0.019	49.69	155.49	3.129201046
Xl.509.1.S1_at	BC046269	atp1b2	0.0174216	0.145	35.85	111.31	3.10488145
Xl.6024.1.S1_at	CD324819	darmin	6.11E-05	0.0016	23.15	70.14	3.029805616
Xl.8440.1.S1_at	BC043639	MGC53782	0.0140341	0.123	10.35	31.22	3.016425121
Xl.11598.1.A1_at	AW460608		0.0013073	0.0164	125.49	362.17	2.886046697
Xl.8949.1.S1_at	AF217544	adc	0.0118273	0.11	312.22	881.66	2.823842163
Xl.1604.1.A1_at	BJ057329	MGC78986	0.0167624	0.141	32.17	84.24	2.618588747
Xl.1685.1.S1_at	AF314056	LOC398260	0.0116809	0.11	7.7	19.44	2.524675325
Xl.2789.1.A1_at	BJ091236		0.0181999	0.15	23.89	58.64	2.454583508
Xl.5908.1.S1_s_at	X58487	post.2	0.0452947	0.323	139.38	329.8	2.366193141
Xl.1419.1.A1_at	BJ044317	irf1	0.000646	0.00919	5	11.71	2.342
Xl.18843.1.A1_at	BI446721		0.0075482	0.0772	6.62	15.37	2.321752266
Xl.16094.1.A1_at	BJ046394	grhl2	0.0047528	0.0498	5.61	12.78	2.278074866
Xl.1220.1.S1_at	AB022088	cyp1a1	0.0197321	0.161	11.49	25.74	2.240208877
Xl.586.1.S1_at	AF146088	hes5.2-a	0.0100251	0.099	6.13	13.55	2.210440457
Xl.121.1.S1_at	BC044030	tubb2b	0.0316458	0.244	8.11	17.72	2.184956843
Xl.5501.1.A1_at	BE027102		0.0002935	0.00524	5.44	11.76	2.161764706
Xl.16656.1.A1_at	BJ046565	post.2	0.0151307	0.131	13.89	29.6	2.131029518
Xl.18712.1.A1_s_at	BI444259	kalrn	0.0480507	0.339	16.59	34.93	2.105485232
Xl.15838.1.A1_at	BJ077220		0.0454663	0.323	6.92	14.35	2.073699422

Table S4: Probes down regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using high stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr4* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.05 and fold change ≤ 0.5 are classed as down regulated.

Affymetrix probe set	Accession	Name	p-value	FDR	Control mean	dnFGFR4 mean	Fold change (dnFGFR4/control)
Xl.642.1.S1_at	AF162782	foxd4l1.1-a	9.00E-07	0.000378	122.87	11.25	0.091560186
Xl.14524.1.S1_at	BJ057112	LOC398356	1.40E-06	0.000392	439.25	50.83	0.115719977
Xl.2755.1.S1_at	AY062263	gli1.2	3.30E-06	0.000559	617.47	137.67	0.2229582
Xl.10269.1.S1_at	U02034	cdx4	3.70E-06	0.000559	44.07	6.64	0.15066939
Xl.19933.1.S1_at	BQ401062		4.00E-06	0.000559	145.16	28.78	0.198263985
Xl.7713.1.A1_at	BF231796		4.90E-06	0.000587	26.27	5	0.190331176
Xl.11129.1.A1_at	AW766736		7.60E-06	0.000727	18.11	5.09	0.281060188
Xl.12993.1.A1_at	BJ051675		7.80E-06	0.000727	78.26	11.91	0.152185024
Xl.3370.1.S1_at	L25857	hoxd1	1.00E-05	0.000762	35.12	7.33	0.208712984
Xl.16733.1.A1_at	BJ054400		1.02E-05	0.000762	34.47	6.01	0.174354511
Xl.4522.1.S1_at	AF027175	irx3	1.17E-05	0.000762	114.06	25.49	0.223478871
Xl.1108.1.S1_at	BC047955	pcdh8.2	1.18E-05	0.000762	307.08	86.91	0.283020711
Xl.3529.1.A1_at	BJ056268	pnhd	1.41E-05	0.000801	326.81	86.99	0.266179125
Xl.7720.1.A1_at	BF615090		1.73E-05	0.000801	33.28	6.59	0.198016827
Xl.11965.1.S1_s_at	AF331825		1.88E-05	0.000801	101.95	33.15	0.325159392
Xl.23638.1.S1_at	BC047247	kcnk6	2.04E-05	0.000801	20.94	5	0.238777459
Xl.3540.1.S1_at	AF131890	LOC398134	2.04E-05	0.000801	128.86	30.84	0.239329505
Xl.6173.1.A1_at	AW782445	MGC81522	2.10E-05	0.000801	153.46	20.76	0.135279552
Xl.19933.2.A1_at	BQ400802		2.10E-05	0.000801	142.44	24.93	0.175021061
Xl.514.1.S1_at	M77243	t-a	2.25E-05	0.000821	338.14	16.9	0.049979299
Xl.13.2.A1_at	BJ080037	epha4	2.74E-05	0.000958	49.62	11.67	0.235187424
Xl.2755.2.A1_at	BJ049843	sp5l	3.63E-05	0.00122	1817.64	486.96	0.267907837
Xl.15374.1.A1_at	BJ077463		4.95E-05	0.00149	138.26	45.91	0.332055548
Xl.11964.1.S2_at	AF369901	spry2	4.97E-05	0.00149	68.23	23.5	0.344423274
Xl.5454.1.S2_at	BJ044312	xmc	5.54E-05	0.00154	202.33	42.65	0.210794247
Xl.933.1.S1_at	AB022680	t2	5.61E-05	0.00154	12.93	5	0.386697602
Xl.11965.1.S1_at	AF331825	LOC398232	5.70E-05	0.00154	84.84	31.15	0.367161716
Xl.49.1.S1_at	X57234	wnt8a	6.51E-05	0.00166	456.74	113.27	0.247996672
Xl.146.1.S1_at	AJ009303	myf5	7.35E-05	0.00181	23.46	5	0.21312873
Xl.5454.1.S1_at	AF394111	xmc	8.69E-05	0.00204	244.06	31.16	0.127673523
Xl.13.1.S1_at	BC043626	epha4-b	8.95E-05	0.00204	61.79	12.91	0.208933484
Xl.3352.1.S1_at	L11263		9.01E-05	0.00204	779.96	218.04	0.279552798

Xl.16206.1.A1_at	BM172525	pnp	9.95E-05	0.0022	73.67	9.47	0.12854622
Xl.7969.1.S1_at	AB005292	zic3	0.0001208	0.00259	173.08	38.77	0.224000462
Xl.15623.1.A1_at	CB756273	pfkfb3	0.0001234	0.00259	197.81	51.62	0.260957484
Xl.1607.1.S1_at	BG347479		0.0001277	0.00261	76.31	23.88	0.312934085
Xl.7815.1.A1_at	BJ056085	MGC80198	0.0001952	0.00388	248.13	35.28	0.142183533
Xl.644.1.S1_at	AF223426		0.0001987	0.00388	111.53	9.43	0.084551242
Xl.3468.1.S1_at	AF308810	gl	0.0002704	0.00504	60.44	13.76	0.227663799
Xl.3549.1.S1_at	BF610870	chrd	0.0002859	0.00521	156.86	62.01	0.395320668
Xl.523.1.S1_at	AJ298866	foxd3-b	0.0003071	0.00537	21.1	7.65	0.362559242
Xl.11619.1.S1_at	AW148258		0.0003251	0.00543	42.23	11.53	0.273028653
Xl.20772.1.A1_at	BJ077239		0.0003266	0.00543	132.71	40.89	0.30811544
Xl.1082.1.S1_at	S93559	foxa4-b	0.0003301	0.00543	282.77	82.91	0.293206493
Xl.5908.2.A1_at	BJ051206		0.0004345	0.00688	81.62	15.95	0.19541779
Xl.5876.1.A1_at	AW766385	apobec2	0.0005026	0.00759	23.51	6.77	0.287962569
Xl.23480.1.A1_at	BJ100613		0.0005051	0.00759	204.55	78.11	0.381862625
Xl.2803.1.S1_at	AJ320159	LOC398254	0.0005081	0.00759	58.09	21.14	0.363918058
Xl.1299.1.S1_at	BC043760	alpl	0.0005158	0.00759	65.53	15.19	0.231802228
Xl.11594.1.A1_at	AW460550		0.000744	0.0102	18.51	7.07	0.3819557
Xl.637.1.A1_at	AF250345	egr1-a	0.000773	0.0105	68.47	9.47	0.138308748
Xl.958.1.S2_at	AB038353	zeb2	0.000791	0.0105	16.32	5	0.306372549
Xl.403.1.S1_at	AF064810	foxb1	0.0008268	0.0108	13.77	5	0.363108206
Xl.802.1.S1_at	BG016128	LOC397753	0.0012352	0.0157	28.61	8.68	0.303390423
Xl.23739.1.A1_at	CB564190	cdx1	0.0013966	0.0172	104.19	33.27	0.319320472
Xl.25136.1.A1_at	CB756627	cnrip1	0.0015774	0.019	39.85	9.15	0.229611041
Xl.24121.1.A1_at	BJ049047		0.0015923	0.019	36.75	13.49	0.36707483
Xl.251.1.S1_at	AF030434	dkk1	0.0016783	0.0196	66.07	25.66	0.388375965
Xl.212.2.S1_a_at	U78598	frzb-1	0.0017759	0.0204	363.63	71.47	0.19654594
Xl.14776.1.A1_at	BM179370	gtpbp4	0.0020451	0.0232	34.2	12.69	0.371052632
Xl.18179.1.S1_at	BI312705		0.00208	0.0233	20.03	7.35	0.366949576
Xl.15270.1.A1_at	BI447679		0.00222	0.0242	53.28	9.59	0.179992492
Xl.5479.1.A1_at	BJ092401		0.0022232	0.0242	195.93	55.06	0.281018731
Xl.1929.1.A1_at	BG439709	frzb	0.003785	0.0402	592.91	141.17	0.238096844
Xl.3005.1.S1_at	AF310007	sall1-a	0.0089179	0.0901	340.27	113.09	0.332353719
Xl.25941.1.A1_at	BM180508		0.0099224	0.099	20.61	8.46	0.410480349
Xl.1465.1.S1_s_at	BC046253		0.0119092	0.11	20.04	8.09	0.403692615
Xl.656.1.S1_at	AF163313	cml	0.0129484	0.118	161.21	43.41	0.269276099
Xl.24379.1.S1_at	BI446814	hes7.2	0.0134625	0.12	221.68	90.57	0.408561891

Xl.1002.1.S1_at	U43223	dusp6	0.0220098	0.178	20.62	9.61	0.466052376
Xl.18867.1.A1_at	BI447028		0.0287423	0.223	53.64	23.29	0.434190902
Xl.21949.1.A1_x_at	BJ098958		0.0319692	0.244	21.1	6.44	0.30521327
Xl.7697.1.S1_at	AB091393	tbx6	0.0361461	0.268	20.72	9.49	0.458011583
Xl.15754.1.A1_at	BG021580	cpne3	0.0398951	0.294	136.6	61.25	0.448389458
Xl.9645.2.A1_at	BI315157		0.0411314	0.3	43.78	19.87	0.45386021

Table S5: Determining the statistical significance of gene probe list overlaps in dnFGFR microarray data using Python. Probes satisfied high stringency filtering ($p \leq 0.05$, ≥ 2 fold change) in *X. laevis* embryos subject to FGF inhibition by dnFGFR1 or dnFGFR4. Size of overlaps generated by random sampling of sets of numbers between 1 and 15,611 (number of probes in microarray) in 10,000 iterations. The significance threshold represents the probability of getting an overlap of maximum overlap + 1 or greater in a random sample is less than 1 in 10000, or $p < 0.0001$.

Comparison	**Probes in high stringency filtered lists**	**Median overlap**	**Mean overlap**	**Maximum overlap in 10000 iterations**	**Significance threshold**	**Observed overlap**	**Significant**	**Corresponding figure**
dnFGFR1 up	18	0.0	0.0327	2	3	14	YES	Figure S1A
dnFGFR4 up	30							
dnFGFR1 down	59	0.0	0.284	4	5	57	YES	Figure S1B
dnFGFR4 down	75							

Table S6: Biological processes associated with gene probes down regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR1, when filtered using high stringency filtering criteria. Gene probes with a p-value ≤ 0.05 and fold change ≤ 0.5 are classed as down regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Mammillary axonal complex development	2	0	+	200	6.66E-06	4.06E-03
Corticospinal tract morphogenesis	2	0.01	+	200	6.08E-05	2.92E-02
Notochord morphogenesis	2	0.01	+	200	1.00E-04	4.42E-02
Somitogenesis	4	0.08	+	52.27	1.19E-06	1.05E-03
Ossification	4	0.24	+	16.87	9.01E-05	4.08E-02
Epithelial tube morphogenesis	5	0.39	+	12.85	3.82E-05	1.95E-02
Regulation of cell differentiation	10	2.03	+	4.92	1.24E-05	7.26E-03

Table S7: Biological processes associated with gene probes up regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using high stringency filtering criteria. Gene probes with a p-value ≤ 0.05 and fold change ≥ 2 are classed as up regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Regulation of multicellular organismal development	8	1.17	+	6.84	2.83E-06	4.50E-02

Table S8: Biological processes associated with gene probes down regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using high stringency filtering criteria. Gene probes with a p-value ≤ 0.05 and fold change ≤ 0.5 are classed as down regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Mammillary axonal complex development	2	0	+	200	1.12E-05	5.08E-03
Corticospinal tract morphogenesis	2	0.01	+	200	1.02E-04	2.84E-02
Notochord morphogenesis	2	0.02	+	100	1.68E-04	4.11E-02
Somitogenesis	7	0.1	+	70.81	1.20E-11	2.37E-08
Proximal/distal pattern formation	3	0.05	+	58.23	2.32E-05	9.69E-03
Anterior/posterior axis specification	4	0.07	+	54.21	1.15E-06	7.00E-04
Mesoderm formation	3	0.09	+	34.75	1.00E-04	2.84E-02
Positive regulation of JUN kinase activity	3	0.1	+	29.12	1.66E-04	4.18E-02
Canonical Wnt signaling pathway	3	0.11	+	27.98	1.86E-04	4.34E-02
Negative regulation of cell projection organization	4	0.28	+	14.08	1.90E-04	4.37E-02
Epithelial tube morphogenesis	6	0.5	+	11.94	9.93E-06	4.77E-03
Negative regulation of cell development	5	0.53	+	9.4	1.80E-04	4.26E-02
Skeletal system development	6	0.69	+	8.74	5.58E-05	1.97E-02
Regulation of multicellular organismal development	13	3.02	+	4.3	2.76E-06	1.56E-03
Regulation of transcription by RNA polymerase II	11	2.8	+	3.93	5.07E-05	1.87E-02

Table S9: Probes up regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Embryos were injected with *ifgfr1* mRNA and cultured to stage 10.5 at which point iFGFR1 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 20 and fold change ≥ 2 are classed as up regulated.

Affymetrix probe set	Accession	Gene	iFGFR1 uninduced	iFGFR1 induced	Fold change (induced/uninduced)
Xl.736.1.S1_at	AF310008	LOC398207	117.8466	2252.662	19.1152
Xl.23988.1.S1_at	BJ044287		263.8035	3783.82	14.34333
Xl.4965.1.S1_at	AJ278067	irg1	946.9091	6619.571	6.990715
Xl.24294.1.S1_at	BJ098811		721.4944	4769.715	6.610883
Xl.24793.1.S1_at	CB563927	tspan1	244.2478	1580.867	6.472389
Xl.24337.1.A1_at	CB564601	nox1	34.26144	150.4922	4.392465
Xl.8124.1.S1_at	BJ045090	MGC115642	839.868	3631.789	4.324238
Xl.637.1.A1_at	AF250345	egr1-a	95.40315	363.624	3.811447
Xl.9671.1.S1_at	BC042349	capn8-a	54.70166	199.3818	3.644895
Xl.14397.1.S2_at	BC044326	nek6	120.4598	335.289	2.78341
Xl.16457.1.A1_at	CB563787	junb	28.26245	77.2549	2.733482
Xl.4789.1.S1_at	BC043748	MGC52875	584.0527	1588.513	2.719811
Xl.10415.1.A1_at	BF024850	MGC80142	142.0557	377.3504	2.656356
Xl.24218.1.S1_at	CB943601	dynll1-a	307.0868	798.6045	2.600582
Xl.23897.1.S1_at	BQ386549	cnfn-a	64.1724	165.6495	2.58132
Xl.15202.1.A1_at	AW766492		280.2359	711.5052	2.538951
Xl.15920.1.A1_at	BJ048594	nab1	21.78852	54.95859	2.522364
Xl.9549.1.S1_at	AF374473	lmo2	104.3139	252.7082	2.422574
Xl.13967.1.A1_at	BJ089550		86.13823	208.1041	2.415932
Xl.708.1.S1_at	AF283562	lefty-a	161.9062	390.041	2.409056
Xl.11038.1.A1_at	BE027081		262.5528	629.1342	2.39622
Xl.20488.1.S1_at	BQ731489		157.811	377.3759	2.391315
Xl.880.1.S1_at	L07538	wnt3a	177.861	422.246	2.374023
Xl.5082.1.A1_at	BF072347	MGC68521	62.28904	145.8207	2.341034
Xl.1044.1.S1_at	AF283563	lefty-b	119.613	277.8599	2.322991
Xl.12130.1.S1_at	M24752	hoxa7	379.0347	877.1641	2.314205

Xl.7720.1.A1_at	BF615090		98.90066	217.6525	2.200718
Xl.12993.1.A1_at	BJ051675		291.0741	634.6428	2.180348
Xl.10684.1.A1_at	BE505501		645.7087	1401.815	2.170971
Xl.16649.1.A1_at	BJ077367	dlgap4	29.83359	64.26571	2.154139
Xl.14074.1.A1_at	BJ079105		84.54743	182.0806	2.153591
Xl.22857.1.A1_at	BJ088428		80.82293	173.8468	2.150958
Xl.24572.1.S1_a_at	AB003078	tnnc2	34.33826	73.64534	2.144702
Xl.11965.1.S1_at	AF331825	LOC398232	230.8161	494.8743	2.14402
Xl.1465.1.S1_s_at	BC046253		1600.791	3418.727	2.135648
Xl.216.2.S1_a_at	Y08734	mst1	249.6296	528.8399	2.118498
Xl.18073.1.A1_at	BG885063		68.31171	144.195	2.110838
Xl.11042.1.A1_at	BE027099		140.898	293.3488	2.081994
Xl.12789.1.A1_at	BJ090902		25.84915	53.75661	2.079627
Xl.24205.1.S1_at	BJ086130		133.4403	271.3966	2.033843
Xl.23718.1.A1_at	BJ075987	mmp14	210.315	427.1203	2.03086
Xl.21639.1.S1_at	AJ319749	hoxa10	119.1655	241.4569	2.026231
Xl.1358.1.S1_at	U04302	cdx1	483.4248	975.6827	2.018272
Xl.2665.2.A1_at	BM172523	des.1-b	31.76539	63.65457	2.003897
Xl.14334.1.S1_at	BI444166	phldb1	300.4148	601.3287	2.001661

Table S10: Probes down regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Embryos were injected with *ifgfr1* mRNA and cultured to stage 10.5 at which point iFGFR1 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 20 and fold change ≤ 0.5 are classed as down regulated.

Affymetrix probe set	Accession	Gene	iFGFR1 uninduced	iFGFR1 induced	Fold change (induced/uninduced)
Xl.25847.1.S1_at	BC052102	agr2	749.1344	45.59331	0.060861
Xl.6266.1.S1_at	AB105372	itln1	2386.638	273.2	0.114471
Xl.2924.1.S1_at	BG023525	hspd1	2689.12	311.6354	0.115887
Xl.15702.1.A1_at	BJ076178		160.9603	21.85594	0.135785
Xl.1685.1.S1_at	AF314056	agr2	1426.016	194.7313	0.136556
Xl.847.1.S1_s_at	L10987	otog	321.8039	45.06757	0.140047
Xl.7213.2.A1_at	BJ047679	klhl24	1668.836	242.6185	0.145382
Xl.18858.1.A1_at	BI446930		200.0117	31.41209	0.157051
Xl.5846.19.S1_at	CB560320		332.328	54.65515	0.164461
Xl.20089.1.S1_at	BC042303	foxi1	711.6139	121.0953	0.17017
Xl.847.1.S1_at	L10987	otog	58.12217	10.53858	0.181318
Xl.909.1.S1_at	AB018694	xepsin	517.3831	96.30795	0.186144
Xl.1317.1.A1_at	BI443530		320.5042	63.98171	0.199628
Xl.15894.1.S1_at	CD099356		308.3369	61.77345	0.200344
Xl.6048.1.S1_at	BJ044577	fucolectin	482.8563	102.2958	0.211856
Xl.10583.1.S1_at	BC042234	slc3a2	308.5363	65.45286	0.21214
Xl.5324.1.S1_at	BJ043563	otog	2451.002	526.189	0.214683
Xl.24565.1.A1_at	BG485946		305.1666	66.69433	0.218551
Xl.1589.1.S2_at	U82110	agr3	2362.67	520.8572	0.220453
Xl.15894.2.A1_at	BJ046493		387.9466	88.91481	0.229193
Xl.9836.1.A1_at	BJ075817	liph-a	324.1801	74.86973	0.230951
Xl.10124.1.A1_at	BG347289		88.48125	20.65938	0.233489
Xl.1589.1.S1_at	AF025474	agr3	912.2403	213.7871	0.234354
Xl.1616.1.A1_at	BJ083887	fam115a	257.0284	65.21078	0.25371
Xl.9589.1.S1_at	BG037404		256.3546	65.19427	0.254313
Xl.16262.1.A1_at	BJ051781		244.4856	63.40416	0.259337

Xl.24932.1.A1_at	BG811878		220.6459	57.26802	0.259547
Xl.1683.1.S1_at	BJ044640	MGC68910	919.5528	241.7603	0.262911
Xl.11128.1.S1_at	AW766729		173.826	45.78435	0.263392
Xl.16436.1.A1_at	BJ081297		283.3807	75.66863	0.267021
Xl.16543.1.S1_at	AF513854	LOC398404	761.0533	206.7235	0.271628
Xl.15089.3.A1_a_at	BJ075680		903.3196	245.6798	0.271974
Xl.7354.1.A1_at	AW766695	sytl2	514.4447	142.7443	0.277473
Xl.26141.1.S1_at	BC044313	MGC80993	203.4943	56.53841	0.277838
Xl.15156.1.S1_at	CB562846	vill	952.6072	269.6139	0.283027
Xl.13575.1.A1_at	BU913085	b3gnt1	194.0124	55.43943	0.285752
Xl.12727.1.A1_at	BM192846	fa2h	282.1415	80.77553	0.286294
Xl.24199.1.A1_at	CB756654		110.8265	32.45849	0.292877
Xl.10362.1.A1_at	BF072092	ca12	292.2108	88.22404	0.301919
Xl.16466.1.A1_at	BJ082483		630.5206	190.5072	0.302143
Xl.21983.1.S1_at	M11940	xk81a1	2923.342	896.4823	0.306663
Xl.11136.1.A1_at	BJ045099	LOC100037100	470.7305	144.8074	0.307623
Xl.7099.1.A1_at	BE491065		923.6613	284.6587	0.308185
Xl.5912.1.A1_at	BG020669	eppk1	2148.416	662.1698	0.308213
Xl.15089.1.A1_x_at	BJ056659		586.1021	180.6528	0.308227
Xl.15163.1.S1_at	BG408248		436.1362	135.3968	0.310446
Xl.1479.1.A1_at	BG038587		217.2005	67.71781	0.311776
Xl.15277.1.A1_at	BJ043758		387.3242	120.9485	0.312267
Xl.8098.1.A1_at	BJ090592	LOC494641	285.803	89.44147	0.312948
Xl.522.1.S1_at	AF217647	pitx1	206.1751	65.11382	0.315818
Xl.24091.1.A1_at	CB565543		237.8142	75.44714	0.317252
Xl.13893.1.A1_at	BJ083655	fam3d	251.1174	81.01563	0.322621
Xl.22874.1.A1_at	BJ090165	ubp1	107.654	35.18178	0.326804
Xl.15089.1.A1_at	BJ056659		591.5682	194.4365	0.32868
Xl.5930.1.A1_at	AW766360	aldh1l1	1021.95	341.6371	0.334299
Xl.11187.1.A1_at	AW782510		252.1224	85.01391	0.337193

Xl.13767.1.A1_at	BJ075935	b3gnt3.2	312.0532	105.3933	0.337742
Xl.10855.1.A1_at	BE575595	grhl3	187.8054	63.55018	0.338383
Xl.5486.1.A1_at	BJ091754		6082.734	2062.121	0.339012
Xl.9974.1.A1_at	BJ088045		66.52056	22.87156	0.343827
Xl.24199.3.A1_at	BJ049353		78.07689	26.94582	0.345119
Xl.9155.1.A1_at	BG347403		118.687	41.3471	0.348371
Xl.16487.1.S1_at	BC045029	ehd4	179.6422	63.26909	0.352195
Xl.7307.1.S1_at	BJ084368	LOC443682	776.9469	274.6147	0.353454
Xl.2610.1.S1_at	M60768	anxa2-a	1028.105	364.3832	0.354422
Xl.7848.1.A1_at	AW148259		645.783	231.72	0.35882
Xl.23326.1.S1_at	BC045031	krt-b	2844.127	1028.006	0.361449
Xl.16672.1.S1_at	BC044108	kitlg	1091.709	398.1262	0.364682
Xl.16564.1.A1_x_at	BJ054555	fam3a	143.3998	53.01815	0.369723
Xl.17475.1.A1_at	BI446995		288.1237	107.3884	0.372716
Xl.15841.1.A1_at	BJ049236		110.1848	41.14882	0.373453
Xl.9961.1.A1_at	BG812624	syt1	1313.15	491.4328	0.37424
Xl.11145.1.A1_at	AW766955		138.7728	52.17287	0.375959
Xl.14452.1.A1_at	BG811297	bcat1	146.371	55.95351	0.382272
Xl.13681.1.A1_at	BJ092589	znf750-b	416.7048	159.507	0.382782
Xl.25460.1.A1_at	AW148116		1557.044	598.1713	0.384171
Xl.9076.1.S1_at	BC047968	nkx3-1-a	268.6878	103.9884	0.387023
Xl.16589.1.A1_at	BJ080730		439.065	170.4404	0.388189
Xl.13862.1.A1_at	BJ078064		48.4012	18.81975	0.388828
Xl.8935.1.A1_at	BJ078657		132.1452	51.6439	0.390812
Xl.1450.1.A1_at	BG579799		316.8475	124.1576	0.391853
Xl.24366.1.S1_at	BI348128		54.70393	21.80726	0.398642
Xl.7017.1.S1_at	BF615728	krt12	3004.178	1205.477	0.401267
Xl.6104.1.A1_at	BJ076947	rab27a	93.88139	37.69311	0.401497
Xl.2418.1.A1_at	BG023326	ccno	597.5852	241.4124	0.40398
Xl.7213.3.S1_a_at	BQ737049	LOC100158288	3346.962	1352.169	0.403999

Xl.11935.1.A1_at	BJ088440		283.442	114.5287	0.404064
Xl.13310.1.A1_at	BJ085740		348.9046	142.2221	0.407625
Xl.3002.1.A1_at	BJ077519		144.0594	58.72437	0.40764
Xl.9959.2.A1_at	BJ084277		295.253	120.4085	0.407815
Xl.25518.1.S1_at	BJ053813	LOC443659	794.9109	326.3894	0.410599
Xl.7756.1.S1_at	BC043737	znf750-a	899.9938	371.8535	0.413173
Xl.16658.2.A1_at	BJ090409		114.6318	47.77613	0.416779
Xl.23708.1.A1_at	AI031433	MGC81939	345.2295	145.5071	0.421479
Xl.7213.1.S1_at	BC042338	cmah	175.7834	74.36205	0.423032
Xl.13291.1.A1_at	BJ078773		138.3243	58.54586	0.423251
Xl.16504.1.A1_at	BJ090565	fut6	418.9993	177.4831	0.423588
Xl.16435.1.A1_at	BJ089860	gdpd1	466.1599	198.7805	0.426421
Xl.793.1.A1_at	M76565	gata3	266.9085	114.5064	0.42901
Xl.21868.1.S1_at	BC044973	elf-1	387.964	166.7416	0.429786
Xl.10200.1.A1_at	BJ084274	tmem181	320.895	138.2892	0.430948
Xl.25344.1.A1_at	BE678810		98.52073	42.62782	0.432679
Xl.1605.1.S1_at	BJ080966	evpl	790.9498	344.3898	0.435413
Xl.9656.1.S1_at	BC046858	glb1l2	301.6854	131.6418	0.436355
Xl.4183.2.A1_at	BJ051393	LOC100158277	284.5118	124.3346	0.437011
Xl.23835.1.A1_s_at	BJ081027		93.97275	41.11903	0.437563
Xl.16564.1.A1_s_at	BJ054555	fam3a	102.0236	45.13769	0.442424
Xl.1076.1.S1_at	BC046838	ag1	3282.452	1453.716	0.442875
Xl.1584.1.A1_at	BG347294		83.17123	36.99011	0.444747
Xl.16096.1.A1_at	BJ046407	tmem45b	500.8643	222.8049	0.444841
Xl.16320.1.S1_at	BC046669	anxa9	126.1944	56.18345	0.445213
Xl.104.1.S1_at	AJ005787	pitx2-a	38.64313	17.28341	0.447257
Xl.5296.1.A1_at	BJ080084	sod3	176.4988	79.20483	0.448756
Xl.21239.1.A1_at	BU908560		977.8089	439.3399	0.449311
Xl.12647.1.A1_at	BJ088990		143.5567	65.43294	0.455799
Xl.23267.1.S1_at	BC044298	dnajb14	106.3142	48.58638	0.457008

Xl.1380.1.S1_at	BC051601	gale	224.8116	102.9091	0.457757
Xl.1003.1.S1_at	U28370	hesx1-a	194.5836	89.12887	0.458049
Xl.2852.1.A1_at	BG555933		812.757	373.1719	0.459143
Xl.9651.1.A1_at	BG161001		57.24887	26.30527	0.45949
Xl.21677.2.A1_at	BJ057218	septin7	751.0846	345.9859	0.460648
Xl.16144.1.A1_at	CB592728	cd81-a	130.3774	60.46702	0.463785
Xl.15347.1.A1_at	BJ052833	eps8l1	517.288	240.7978	0.4655
Xl.9058.1.A1_at	BG347632	mmp3	107.1975	50.00715	0.466496
Xl.2659.1.S1_at	BC045045	atp12a-b	60.77148	28.48511	0.468725
Xl.8004.1.S1_at	AW199480		208.754	98.11765	0.470016
Xl.15798.1.A1_at	BJ044043	tubb2b	755.2818	355.636	0.470865
Xl.16249.1.A1_at	BJ091874		160.5881	75.75273	0.471721
Xl.1466.1.S1_at	CB560706	slc35a3.2	1577.753	744.7307	0.47202
Xl.15394.1.A1_at	BG346292		882.1013	421.1249	0.477411
Xl.12819.2.A1_at	BJ056722	gmpr2	75.28023	35.96764	0.477783
Xl.18107.1.A1_at	BG885836		303.0927	145.732	0.480817
Xl.24099.1.A1_at	CB562751	dvl3	253.4664	122.2911	0.482474
Xl.2651.1.A1_at	BG161143	nxpe4	94.63294	45.7326	0.483263
Xl.9576.1.S1_at	CB560639	ca2	63.83298	30.9301	0.484547
Xl.10887.1.A1_at	BM172535	LOC496380	367.5878	178.3782	0.485267
Xl.973.1.S1_at	L47990	gbx2.2	311.0009	151.0061	0.485549
Xl.12147.1.A1_at	BJ051202		41.13639	19.99827	0.486146
Xl.15019.1.A1_at	BQ384301		243.559	118.7522	0.48757
Xl.6308.1.A1_at	AW632863	mtus1	90.27955	44.10682	0.488558
Xl.14521.1.S1_at	BC041533	LOC398688	457.8647	224.4369	0.490182
Xl.15893.1.A1_at	BJ056712		196.7602	96.5003	0.490446
Xl.1242.1.S1_at	BC043635	arg1	1186.785	584.2408	0.492289
Xl.8929.1.A1_at	BG554539	atp6v1c2	60.40681	29.77377	0.492888
Xl.26274.1.A1_at	BE189559	MGC82269	157.5882	77.92481	0.494484
Xl.509.1.S1_at	BC046269	atp1b2	994.1904	491.892	0.494766

Xl.9394.1.A1_at	BG486911		423.9089	210.0346	0.495471
Xl.15540.1.A1_at	BJ054782		189.8896	94.11776	0.495645
Xl.22091.1.A1_at	BE188962		37.96341	18.82936	0.495987
Xl.2854.1.S1_at	BC043826	fam3a	28.38674	14.08076	0.496033
Xl.16658.3.A1_at	BJ083088		99.80517	49.6199	0.497168
Xl.1604.1.A1_at	BJ057329	MGC78986	189.6238	94.44386	0.498059
Xl.4812.1.A1_at	BG555240	rab11fip3	192.1682	95.85354	0.4988
Xl.3804.1.A1_at	BJ080125	rab25	370.5415	185.0267	0.499342

Table S11: Probes up regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR2, when filtered using high stringency criteria. Embryos were injected with *ifgfr2* mRNA and cultured to stage 10.5 at which point iFGFR2 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 20 and fold change ≥ 2 are classed as up regulated. Fold change in expression is calculated by induced/uninduced.

Affymetrix probe set	Accession	Gene	iFGFR2 uninduced	iFGFR2 induced	Fold change (induced/uninduced)
Xl.736.1.S1_at	AF310008	LOC398207	160.4652	3702.381	23.0728
Xl.23988.1.S1_at	BJ044287		505.9871	5634.335	11.13533
Xl.4965.1.S1_at	AJ278067	irg1	1064.377	8582.593	8.063488
Xl.16457.1.A1_at	CB563787	junb	31.24202	218.0972	6.980892
Xl.24294.1.S1_at	BJ098811		877.0342	5439.459	6.202106
Xl.8124.1.S1_at	BJ045090	MGC115642	796.4109	4810.467	6.040182
Xl.24793.1.S1_at	CB563927	tspan1	237.6087	1311.805	5.520863
Xl.23897.1.S1_at	BQ386549	cnfn-a	53.70782	255.8167	4.763118
Xl.2213.1.A1_at	BG022871	socs3	16.24894	70.625	4.346438
Xl.637.1.A1_at	AF250345	egr1-a	94.36614	402.1419	4.261506
Xl.9671.1.S1_at	BC042349	capn8-a	55.69967	218.1699	3.916897
Xl.5082.1.A1_at	BF072347	MGC68521	54.54867	166.9594	3.060742
Xl.4789.1.S1_at	BC043748	MGC52875	597.9238	1580.581	2.643448
Xl.14397.1.S2_at	BC044326	nek6	108.8085	285.3136	2.622162
Xl.24094.1.A1_at	BJ083532		98.28857	252.7789	2.571804
Xl.8010.1.A1_at	AW782315		722.1935	1761.946	2.439715
Xl.20488.1.S1_at	BQ731489		179.8223	437.5812	2.433409
Xl.15701.1.S1_at	AY150813	kremen2	42.37449	102.3726	2.415902
Xl.49.1.S1_at	X57234	wnt8a	845.1806	1996.404	2.362104
Xl.24337.1.A1_at	CB564601	nox1	37.18021	87.53065	2.354227
Xl.24218.1.S1_at	CB943601	dynll1-a	417.3013	960.6248	2.301993
Xl.13967.1.A1_at	BJ089550		88.53997	200.7678	2.267539
Xl.708.1.S1_at	AF283562	lefty-a	153.6078	345.8411	2.251455
Xl.11964.1.S2_at	AF369901	spry2	259.367	583.45	2.249515
Xl.7618.2.A1_a_at	BG346681	plscr1	278.5394	619.0939	2.222644

Xl.558.1.S1_at	AF149307	ventx3.2	895.6329	1986.257	2.217713
Xl.12130.1.S1_at	M24752	hoxa7	360.3501	778.2669	2.159752
Xl.21515.1.S1_at	CB197658	cfos-A	22.18168	47.73722	2.152101
Xl.15202.1.A1_at	AW766492		297.8484	640.8577	2.151624
Xl.880.1.S1_at	L07538	wnt3a	147.8945	318.0665	2.150631
Xl.12993.1.A1_at	BJ051675		271.7776	580.8854	2.137356
Xl.8976.1.S1_at	BG555629		94.90789	201.8224	2.126508
Xl.23900.1.A1_at	BF232275	cfos-A	19.94583	42.16692	2.114072
Xl.15920.1.A1_at	BJ048594	nab1	26.34731	55.47622	2.105575
Xl.8315.1.A1_at	AW147996	nuak2	165.2847	346.1689	2.09438
Xl.15623.1.A1_at	CB756273	pfkfb3	260.5216	539.1992	2.069691
Xl.1265.1.S1_at	BG022051	pou2f1	403.5874	834.9121	2.068727
Xl.18073.1.A1_at	BG885063		88.62115	183.0759	2.065826
Xl.22857.1.A1_at	BJ088428		68.92874	140.4202	2.03718
Xl.1082.1.S1_at	S93559	foxa4-b	293.7846	590.0935	2.008592
Xl.23957.1.S1_at	BI313816	cfd	60.16495	120.5409	2.003507

Table S12: Probes down regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR2, when filtered using high stringency criteria.
Embryos were injected with *ifgfr2* mRNA and cultured to stage 10.5 at which point iFGFR2 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 20 and fold change ≤ 0.5 are classed as down regulated.

Affymetrix probe set	Accession	Gene	iFGFR2 uninduced	iFGFR2 induced	Fold change (induced/uninduced)
Xl.25847.1.S1_at	BC052102	agr2	1078.741	173.8067	0.16112
Xl.18858.1.A1_at	BI446930		233.7176	66.86863	0.286109
Xl.16543.1.S1_at	AF513854	LOC398404	820.9011	258.0359	0.314332
Xl.1685.1.S1_at	AF314056	agr2	1773.491	563.4406	0.317701
Xl.24199.1.A1_at	CB756654		120.7765	39.2754	0.325191
Xl.20089.1.S1_at	BC042303	foxi1	797.0745	263.0961	0.330077
Xl.6266.1.S1_at	AB105372	itln1	2580.161	864.9527	0.335232
Xl.13575.1.A1_at	BU913085	b3gnt1	226.6352	79.5082	0.35082
Xl.15702.1.A1_at	BJ076178		195.2462	69.83463	0.357675
Xl.2924.1.S1_at	BG023525	MGC53311	3293.835	1213.792	0.368504
Xl.24199.3.A1_at	BJ049353		88.4702	32.63929	0.36893
Xl.1317.1.A1_at	BI443530		285.1211	111.1204	0.389731
Xl.26141.1.S1_at	BC044313	MGC80993	208.3584	82.72846	0.397049
Xl.5846.19.S1_at	CB560320		349.1657	140.6166	0.402722
Xl.10583.1.S1_at	BC042234	slc3a2	326.2393	131.402	0.402778
Xl.24091.1.A1_at	CB565543		293.9754	118.6915	0.403746
Xl.22874.1.A1_at	BJ090165	ubp1	125.8925	52.4566	0.416678
Xl.11145.1.A1_at	AW766955	olig4	160.3135	67.23014	0.419367
Xl.909.1.S1_at	AB018694	xepsin	557.3487	234.0749	0.419979
Xl.24565.1.A1_at	BG485946		313.7827	134.2636	0.427887
Xl.11128.1.S1_at	AW766729		184.2803	79.8253	0.433173
Xl.2659.1.S1_at	BC045045	atp12a-b	64.09484	27.84912	0.434499
Xl.16262.1.A1_at	BJ051781		311.8732	136.705	0.438335
Xl.12727.1.A1_at	BM192846	fa2h	335.2083	148.4532	0.442868
Xl.841.3.S1_a_at	X17545	pdgfa	45.0968	20.0641	0.444912
Xl.186.1.S1_at	AF017273	rax-a	159.6797	71.05398	0.444978

Xl.186.1.S2_at	AF001048	rax-a	76.24655	34.39009	0.451038
Xl.1589.1.S1_at	AF025474	agr3	782.6915	353.0412	0.45106
Xl.14452.1.A1_at	BG811297	bcat1	160.2268	72.31372	0.451321
Xl.1683.1.S1_at	BJ044640	MGC68910	1069.387	483.0804	0.451736
Xl.8935.1.A1_at	BJ078657		160.0265	73.3603	0.458426
Xl.460.1.S1_at	BG021592	fzd4	66.66158	30.72205	0.460866
Xl.15475.1.A1_at	BJ083397		215.0826	99.61071	0.463128
Xl.16466.1.A1_at	BJ082483		715.7612	334.3791	0.467166
Xl.3789.1.S1_at	BC041714	cebpa	140.6496	66.11171	0.470046
Xl.104.1.S1_at	AJ005787	pitx2-a	48.27489	22.87563	0.473862
Xl.10362.1.A1_at	BF072092	ca12	298.9732	142.7477	0.47746
Xl.11114.1.A1_at	BJ051736	LOC100337617	56.68702	27.07366	0.477599
Xl.522.1.S1_at	AF217647	pitx1	250.3659	119.633	0.477833
Xl.9974.1.A1_at	BJ088045		87.75367	42.08099	0.479535
Xl.5296.1.A1_at	BJ080084	sod3	179.4096	86.81884	0.483914
Xl.5324.1.S1_at	BJ043563	otog	2884.877	1400.197	0.485358
Xl.15163.1.S1_at	BG408248		442.7589	215.625	0.487003
Xl.9576.1.S1_at	CB560639	ca2	74.44325	36.56292	0.491152
Xl.5912.1.A1_at	BG020669	eppk1	2078.929	1022.833	0.492
Xl.16589.1.A1_at	BJ080730		488.0201	242.3778	0.496655
Xl.1616.1.A1_at	BJ083887	fam115a	350.7499	174.3547	0.497091
Xl.7213.3.S1_a_at	BQ737049	LOC100158288	4478.001	2229.965	0.497982

Table S13: Determining the statistical significance of gene probe list overlaps in iFGFR microarray data using Python. Probes satisfied high stringency filtering (arbitrary unit ≥ 20, ≥ 2 fold change) in *X. laevis* embryos subject to an increase in FGF signalling by iFGFR1 or iFGFR2. Size of overlaps generated by random sampling of sets of numbers between 1 and 15,476 (number of probes in microarray) in 10,000 iterations. The significance threshold represents the probability of getting an overlap of maximum overlap + 1 or greater in a random sample is less than 1 in 10000, or $p < 0.0001$.

Comparison	**Probes in high stringency filtered lists**	**Median overlap**	**Mean overlap**	**Maximum overlap in 10000 iterations**	**Significance threshold**	**Observed overlap**	**Significant**	**Corresponding figure**
iFGFR1 up	45	0.0	0.1215	3	4	25	YES	Figure S2A
iFGFR2 up	41							
iFGFR1 down	154	0.0	0.4805	5	6	41	YES	Figure S2B
iFGFR2 down	48							

Table S14: Biological processes associated with gene probes up regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR1, when filtered using high stringency filtering criteria. Gene probes with arbitrary unit ≥ 20 and fold change ≥ 2 are classed as up regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Regulation of embryonic development	4	0.1	+	39.1	3.15E-06	9.99E-03
Bone morphogenesis	3	0.09	+	34.47	9.09E-05	4.37E-02
Ossification	4	0.17	+	23.81	2.14E-05	1.88E-02
Anterior/posterior pattern specification	4	0.17	+	23.18	2.37E-05	1.88E-02
Embryonic organ development	6	0.37	+	16.1	1.16E-06	4.59E-03
Tube morphogenesis	6	0.55	+	10.94	1.05E-05	1.39E-02
Positive regulation of gene expression	8	1.53	+	5.24	4.96E-05	2.91E-02
Positive regulation of cellular metabolic process	11	2.5	+	4.39	3.72E-06	8.42E-03
Positive regulation of nitrogen compound metabolic process	10	2.36	+	4.24	2.04E-05	1.91E-02
Regulation of biosynthetic process	10	2.79	+	3.59	9.01E-05	4.47E-02
Regulation of primary metabolic process	13	4.09	+	3.18	8.03E-06	1.16E-02

Table S15: Determining the statistical significance of gene probe list overlaps between dnFGFR and iFGFR microarray data using Python. Probes satisfied high stringency filtering (p value ≤ 0.05, ≥ 2 fold change) in *X. laevis* embryos subject to a decrease in FGF signalling by dnFGFR4. Probes satisfied high stringency filtering (arbitrary unit ≥ 20, ≥ 2 fold change) in *X. laevis* embryos subject to an increase in FGF signalling by iFGFR1 or iFGFR2. Size of overlaps generated by random sampling of sets of numbers between 1 and 15,476 (number of probes in microarray) in 10,000 iterations. The significance threshold represents the probability of getting an overlap of maximum overlap + 1 or greater in a random sample is less than 1 in 10000, or $p < 0.0001$.

Comparison	**Probes in high stringency filtered lists**	**Median overlap**	**Mean overlap**	**Maximum overlap in 10000 iterations**	**Significance threshold**	**Observed overlap**	**Significant**	**Corresponding figure**
dnFGFR4 up	30	0.0	0.0868	3	4	4	YES	Figure S4A
FGFR1 up	45							
dnFGFR4 up	30	0.0	0.3003	4	5	3	NO	Figure S4B
iFGFR1 down	154							
dnFGFR4 up	30	0.0	0.082	3	4	4	YES	Figure S4C
iFGFR2 up	41							
dnFGFR4 up	30	0.0	0.0944	3	4	2	NO	Figure S4D
iFGFR2 down	48							
dnFGFR4 down	75	0.0	0.2195	4	5	5	YES	Figure S4E
iFGFR1 up	45							
dnFGFR4 down	75	0.0	0.2002	3	4	6	YES	Figure S4F

iFGFR2 up	41							

Table S16: Probes up regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using low stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr4* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.1 and fold change ≥ 1.5 are classed as up regulated.

Affymetrix probe set	Accession	Gene	p-value	FDR	Control mean	dnFGFR4 mean	Fold change (dnFGFR4/control)
Xl.2565.4.S1_x_at	BG810694		< 1e-07	< 1e-07	5	1798.31	359.662
Xl.4965.1.S1_at	AJ278067	irg1	0.0003993	0.00644	21.09	286.7	13.59412044
Xl.15572.1.A1_at	BJ088128		0.0002279	0.00435	7.34	59.22	8.068119891
Xl.23988.1.S1_at	BJ044287		0.0005461	0.0079	76.58	418.12	5.459911204
Xl.12378.1.S1_at	BC043841	tsc22d3	1.72E-05	0.000801	13.14	53.48	4.070015221
Xl.736.1.S1_at	AF310008	LOC398207	0.0066501	0.0689	65.15	246.72	3.786953185
Xl.8124.1.S1_at	BJ045090	MGC115642	0.0228394	0.182	30	112.39	3.746333333
Xl.131.1.S1_at	X60099	hesx1-b	0.0010258	0.0132	12.36	42.92	3.472491909
Xl.2077.1.A1_at	AW147865		0.0007094	0.00992	6.08	20.26	3.332236842
Xl.841.3.S1_a_at	X17545	pdgfa	2.08E-05	0.000801	5.21	16.65	3.195777351
Xl.12126.1.S1_at	AB071434	hes7.1	0.0016109	0.019	49.69	155.49	3.129201046
Xl.509.1.S1_at	BC046269	atp1b2	0.0174216	0.145	35.85	111.31	3.10488145
Xl.6024.1.S1_at	CD324819	darmin	6.11E-05	0.0016	23.15	70.14	3.029805616
Xl.8440.1.S1_at	BC043639	MGC53782	0.0140341	0.123	10.35	31.22	3.016425121
Xl.11598.1.A1_at	AW460608		0.0013073	0.0164	125.49	362.17	2.886046697
Xl.8949.1.S1_at	AF217544	adc	0.0118273	0.11	312.22	881.66	2.823842163
Xl.1604.1.A1_at	BJ057329	MGC78986	0.0167624	0.141	32.17	84.24	2.618588747
Xl.194.1.S1_at	D83712	cpl-1	0.0831723	0.529	40.73	106.55	2.616007857
Xl.1685.1.S1_at	AF314056	LOC398260	0.0116809	0.11	7.7	19.44	2.524675325
Xl.2789.1.A1_at	BJ091236		0.0181999	0.15	23.89	58.64	2.454583508
Xl.24281.1.A1_at	CB560563	hsp90aa1.1	0.0674832	0.446	12.13	29.06	2.395713108
Xl.5908.1.S1_s_at	X58487	post.2	0.0452947	0.323	139.38	329.8	2.366193141
Xl.1419.1.A1_at	BJ044317	irf1	0.000646	0.00919	5	11.71	2.342
Xl.18843.1.A1_at	BI446721		0.0075482	0.0772	6.62	15.37	2.321752266
Xl.16094.1.A1_at	BJ046394	grhl2	0.0047528	0.0498	5.61	12.78	2.278074866
Xl.1220.1.S1_at	AB022088	cyp1a1	0.0197321	0.161	11.49	25.74	2.240208877
Xl.24565.1.A1_at	BG485946		0.0512074	0.352	9.75	21.7	2.225641026
Xl.586.1.S1_at	AF146088	hes5.2-a	0.0100251	0.099	6.13	13.55	2.210440457
Xl.121.1.S1_at	BC044030	tubb2b	0.0316458	0.244	8.11	17.72	2.184956843
Xl.5501.1.A1_at	BE027102		0.0002935	0.00524	5.44	11.76	2.161764706
Xl.13775.1.A1_at	BJ084567		0.0838269	0.529	9.64	20.79	2.156639004
Xl.16656.1.A1_at	BJ046565	post.2	0.0151307	0.131	13.89	29.6	2.131029518

Xl.18712.1.A1_s_at	BI444259	kalrn	0.0480507	0.339	16.59	34.93	2.105485232
Xl.6054.1.A1_at	BG555273	gata2	0.0703691	0.458	34.47	72.34	2.098636496
Xl.15838.1.A1_at	BJ077220		0.0454663	0.323	6.92	14.35	2.073699422
Xl.12209.1.A1_at	BJ082981	MGC115205	0.0824122	0.528	9.21	19.09	2.072747014
Xl.23326.1.S1_at	BC045031	krt-b	0.0950747	0.587	18.96	38.06	2.007383966
Xl.1285.2.S3_a_at	BG730579	mylc2a	0.0106146	0.103	6.56	12.86	1.960365854
Xl.16358.2.A1_at	BJ054033		0.016442	0.139	7.54	14.72	1.952254642
Xl.6971.1.S1_at	BE491203	slc48a1-b	0.0685113	0.449	28.27	54.74	1.936328263
Xl.2213.1.A1_at	BG022871	socs3	0.0155994	0.134	5	9.65	1.93
Xl.19563.1.A1_at	BQ383570	eefsec	0.0107034	0.103	7.02	13.54	1.928774929
Xl.16499.1.A1_at	BJ049320		0.0670923	0.446	6.55	12.63	1.928244275
Xl.426.2.A1_at	CD324789	ar	0.0115818	0.11	5	8.1	1.62
Xl.17848.1.A1_at	BG811819		0.0998856	0.612	12.9	19.82	1.536434109

Table S17: Probes down regulated in *X. laevis* embryos due to FGF signalling inhibition by dnFGFR4, when filtered using low stringency filtering criteria. Embryos were injected with 4ng of *dnfgfr4* mRNA and collected at early gastrula stage 10.5 for Affymetrix microarray. Probes with a p-value ≤ 0.1 and fold change ≤ 0.75 are classed as down regulated.

Affymetrix probe set	Accession	Gene	p-value	FDR	Control mean	dnFGFR4 mean	Fold change (dnFGFR4/control)
Xl.514.1.S1_at	M77243	t-a	2.25E-05	0.000821	338.14	16.9	0.049979299
Xl.644.1.S1_at	AF223426		0.0001987	0.00388	111.53	9.43	0.084551242
Xl.642.1.S1_at	AF162782	foxd4l1.1-a	9.00E-07	0.000378	122.87	11.25	0.091560186
Xl.14524.1.S1_at	BJ057112	LOC398356	1.40E-06	0.000392	439.25	50.83	0.115719977
Xl.5454.1.S1_at	AF394111	xmc	8.69E-05	0.00204	244.06	31.16	0.127673523
Xl.16206.1.A1_at	BM172525	pnp	9.95E-05	0.0022	73.67	9.47	0.12854622
Xl.6173.1.A1_at	BQ400802		2.10E-05	0.000801	153.46	20.76	0.135279552
Xl.637.1.A1_at	AF250345	egr1-a	0.000773	0.0105	68.47	9.47	0.138308748
Xl.7815.1.A1_at	BJ056085	MGC80198	0.0001952	0.00388	248.13	35.28	0.142183533
Xl.10269.1.S1_at	U02034	cdx4	3.70E-06	0.000559	44.07	6.64	0.15066939
Xl.12993.1.A1_at	BJ051675		7.80E-06	0.000727	78.26	11.91	0.152185024
Xl.16733.1.A1_at	BJ054400		1.02E-05	0.000762	34.47	6.01	0.174354511
Xl.19933.2.A1_at	AW782445	MGC81522	2.10E-05	0.000801	142.44	24.93	0.175021061
Xl.15270.1.A1_at	BI447679		0.00222	0.0242	53.28	9.59	0.179992492
Xl.7713.1.A1_at	BF231796		4.90E-06	0.000587	26.27	5	0.190331176
Xl.5908.2.A1_at	BJ051206		0.0004345	0.00688	81.62	15.95	0.19541779
Xl.212.2.S1_a_at	U78598	frzb-1	0.0017759	0.0204	363.63	71.47	0.19654594
Xl.7720.1.A1_at	BF615090		1.73E-05	0.000801	33.28	6.59	0.198016827
Xl.19933.1.S1_at	BQ401062		4.00E-06	0.000559	145.16	28.78	0.198263985
Xl.3370.1.S1_at	L25857	hoxd1	1.00E-05	0.000762	35.12	7.33	0.208712984
Xl.13.1.S1_at	BC043626	epha4-b	8.95E-05	0.00204	61.79	12.91	0.208933484
Xl.5454.1.S2_at	BJ044312	xmc	5.54E-05	0.00154	202.33	42.65	0.210794247
Xl.146.1.S1_at	AJ009303	myf5	7.35E-05	0.00181	23.46	5	0.21312873
Xl.2755.1.S1_at	AY062263	gli1.2	3.30E-06	0.000559	617.47	137.67	0.2229582
Xl.4522.1.S1_at	AF027175	irx3	1.17E-05	0.000762	114.06	25.49	0.223478871
Xl.7969.1.S1_at	AB005292	zic3	0.0001208	0.00259	173.08	38.77	0.224000462
Xl.3468.1.S1_at	AF308810	gl	0.0002704	0.00504	60.44	13.76	0.227663799
Xl.25136.1.A1_at	CB756627	cnrip1	0.0015774	0.019	39.85	9.15	0.229611041
Xl.1299.1.S1_at	BC043760	alpl	0.0005158	0.00759	65.53	15.19	0.231802228
Xl.13.2.A1_at	BJ080037	epha4	2.74E-05	0.000958	49.62	11.67	0.235187424
Xl.1929.1.A1_at	BG439709	frzb	0.003785	0.0402	592.91	141.17	0.238096844
Xl.23638.1.S1_at	BC047247	kcnk6	2.04E-05	0.000801	20.94	5	0.238777459

Xl.3540.1.S1_at	AF131890	LOC398134	2.04E-05	0.000801	128.86	30.84	0.239329505
Xl.49.1.S1_at	X57234	wnt8a	6.51E-05	0.00166	456.74	113.27	0.247996672
Xl.15623.1.A1_at	CB756273	pfkfb3	0.0001234	0.00259	197.81	51.62	0.260957484
Xl.3529.1.A1_at	BJ056268	pnhd	1.41E-05	0.000801	326.81	86.99	0.266179125
Xl.2755.2.A1_at	BJ049843	sp5l	3.63E-05	0.00122	1817.64	486.96	0.267907837
Xl.656.1.S1_at	AF163313	cml	0.0129484	0.118	161.21	43.41	0.269276099
Xl.11619.1.S1_at	AW148258		0.0003251	0.00543	42.23	11.53	0.273028653
Xl.3352.1.S1_at	L11263		9.01E-05	0.00204	779.96	218.04	0.279552798
Xl.5479.1.A1_at	BJ092401		0.0022232	0.0242	195.93	55.06	0.281018731
Xl.11129.1.A1_at	AW766736		7.60E-06	0.000727	18.11	5.09	0.281060188
Xl.1108.1.S1_at	BC047955	pcdh8.2	1.18E-05	0.000762	307.08	86.91	0.283020711
Xl.5876.1.A1_at	AW766385	apobec2	0.0005026	0.00759	23.51	6.77	0.287962569
Xl.1082.1.S1_at	S93559	foxa4-b	0.0003301	0.00543	282.77	82.91	0.293206493
Xl.802.1.S1_at	BG016128	LOC397753	0.0012352	0.0157	28.61	8.68	0.303390423
Xl.21949.1.A1_x_at	BJ098958		0.0319692	0.244	21.1	6.44	0.30521327
Xl.958.1.S2_at	AB038353	zeb2	0.000791	0.0105	16.32	5	0.306372549
Xl.20772.1.A1_at	BJ077239		0.0003266	0.00543	132.71	40.89	0.30811544
Xl.1607.1.S1_at	BG347479		0.0001277	0.00261	76.31	23.88	0.312934085
Xl.23739.1.A1_at	CB564190	cdx1	0.0013966	0.0172	104.19	33.27	0.319320472
Xl.11965.1.S1_s_at	AF331825		1.88E-05	0.000801	101.95	33.15	0.325159392
Xl.15374.1.A1_at	BJ077463		4.95E-05	0.00149	138.26	45.91	0.332055548
Xl.3005.1.S1_at	AF310007	sall1-a	0.0089179	0.0901	340.27	113.09	0.332353719
Xl.11964.1.S2_at	AF369901	spry2	4.97E-05	0.00149	68.23	23.5	0.344423274
Xl.523.1.S1_at	AJ298866	foxd3-b	0.0003071	0.00537	21.1	7.65	0.362559242
Xl.403.1.S1_at	AF064810	foxb1	0.0008268	0.0108	13.77	5	0.363108206
Xl.2803.1.S1_at	AJ320159	LOC398254	0.0005081	0.00759	58.09	21.14	0.363918058
Xl.18179.1.S1_at	BI312705		0.00208	0.0233	20.03	7.35	0.366949576
Xl.24121.1.A1_at	BJ049047		0.0015923	0.019	36.75	13.49	0.36707483
Xl.11965.1.S1_at	AF331825	LOC398232	5.70E-05	0.00154	84.84	31.15	0.367161716
Xl.14776.1.A1_at	BM179370	gtpbp4	0.0020451	0.0232	34.2	12.69	0.371052632
Xl.23480.1.A1_at	BJ100613		0.0005051	0.00759	204.55	78.11	0.381862625
Xl.11594.1.A1_at	AW460550		0.000744	0.0102	18.51	7.07	0.3819557
Xl.933.1.S1_at	AB022680	t2	5.61E-05	0.00154	12.93	5	0.386697602
Xl.251.1.S1_at	AF030434	dkk1	0.0016783	0.0196	66.07	25.66	0.388375965
Xl.3549.1.S1_at	BF610870	chrd	0.0002859	0.00521	156.86	62.01	0.395320668
Xl.1465.1.S1_s_at	BC046253		0.0119092	0.11	20.04	8.09	0.403692615
Xl.24379.1.S1_at	BI446814	hes7.2	0.0134625	0.12	221.68	90.57	0.408561891

Xl.25941.1.A1_at	BM180508		0.0099224	0.099	20.61	8.46	0.410480349
Xl.18867.1.A1_at	BI447028		0.0287423	0.223	53.64	23.29	0.434190902
Xl.15754.1.A1_at	BG021580	cpne3	0.0398951	0.294	136.6	61.25	0.448389458
Xl.9645.2.A1_at	BI315157		0.0411314	0.3	43.78	19.87	0.45386021
Xl.7697.1.S1_at	AB091393	tbx6	0.0361461	0.268	20.72	9.49	0.458011583
Xl.1002.1.S1_at	U43223	dusp6	0.0220098	0.178	20.62	9.61	0.466052376
Xl.12561.1.S1_at	BJ041426	meis2	0.0133674	0.12	9.96	5	0.502008032
Xl.7696.1.A1_at	AI031437	LOC100158340	0.057588	0.39	15.05	7.59	0.504318937
Xl.247.1.S1_at	AJ242678	foxd4l1.2	0.0026908	0.0289	9.9	5	0.505050505
Xl.24218.1.S1_at	CB943601	dynll1-a	0.0279541	0.219	9.83	5.01	0.509664293
Xl.3520.1.S1_at	CA791479	vegt-b	0.033051	0.25	488.13	249.04	0.510191957
Xl.8886.1.S1_at	BJ042955		0.0278517	0.219	12.39	6.53	0.527037934
Xl.2142.2.S1_x_at	CB563327		0.0431547	0.312	9.51	5.06	0.532071504
Xl.12444.1.S1_at	AJ009282	hes9.1-a	0.062591	0.42	14.11	7.54	0.534372785
Xl.10000.1.A1_at	BJ048886		0.0139478	0.123	20.85	11.24	0.539088729
Xl.1040.1.S1_at	AB046534	fzd10-a	0.092266	0.573	11.92	6.46	0.541946309
Xl.22458.1.A1_at	BF072333	LOC100049089	0.0523347	0.357	1153.86	644.92	0.55892396
Xl.1944.1.S1_at	BC043875	ctr9	0.034171	0.256	17.24	10.34	0.599767981
Xl.24337.1.A1_at	CB564601	nox1	0.0509996	0.352	8.1	5	0.617283951
Xl.19166.1.A1_at	BG264199		0.0512101	0.352	11.53	7.39	0.640936687
Xl.17492.1.S1_at	BC041511	ethe1	0.0899611	0.563	13	8.39	0.645384615
Xl.21072.1.S1_at	BF615371		0.071028	0.458	7.51	5	0.665778961

Table S18: Probes up regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR1, when filtered using low stringency criteria. Embryos were injected with *ifgfr1* mRNA and cultured to stage 10.5 at which point iFGFR1 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 10 and fold change ≥ 2 are classed as up regulated for data set comparison analysis.

Affymetrix probe set	Accession	Gene	iFGFR1 uninduced	iFGFR1 induced	Fold change (induced/uninduced)
Xl.736.1.S1_at	AF310008	LOC398207	117.8466	2252.662	19.1152
Xl.23988.1.S1_at	BJ044287		263.8035	3783.82	14.34333
Xl.4965.1.S1_at	AJ278067	irg1	946.9091	6619.571	6.990715
Xl.24294.1.S1_at	BJ098811		721.4944	4769.715	6.610883
Xl.24793.1.S1_at	CB563927	tspan1	244.2478	1580.867	6.472389
Xl.24337.1.A1_at	CB564601	nox1	34.26144	150.4922	4.392465
Xl.8124.1.S1_at	BJ045090	MGC115642	839.868	3631.789	4.324238
Xl.637.1.A1_at	AF250345	egr1-a	95.40315	363.624	3.811447
Xl.9671.1.S1_at	BC042349	capn8-a	54.70166	199.3818	3.644895
Xl.14397.1.S2_at	BC044326	nek6	120.4598	335.289	2.78341
Xl.16457.1.A1_at	CB563787	junb	28.26245	77.2549	2.733482
Xl.4789.1.S1_at	BC043748	MGC52875	584.0527	1588.513	2.719811
Xl.10415.1.A1_at	BF024850	MGC80142	142.0557	377.3504	2.656356
Xl.24218.1.S1_at	CB943601	dynll1-a	307.0868	798.6045	2.600582
Xl.23897.1.S1_at	BQ386549	cnfn-a	64.1724	165.6495	2.58132
Xl.15202.1.A1_at	AW766492		280.2359	711.5052	2.538951
Xl.15920.1.A1_at	BJ048594	nab1	21.78852	54.95859	2.522364
Xl.9549.1.S1_at	AF374473	lmo2	104.3139	252.7082	2.422574
Xl.13967.1.A1_at	BJ089550		86.13823	208.1041	2.415932
Xl.708.1.S1_at	AF283562	lefty-a	161.9062	390.041	2.409056
Xl.11038.1.A1_at	BE027081		262.5528	629.1342	2.39622
Xl.20488.1.S1_at	BQ731489		157.811	377.3759	2.391315
Xl.880.1.S1_at	L07538	wnt3a	177.861	422.246	2.374023
Xl.5082.1.A1_at	BF072347	MGC68521	62.28904	145.8207	2.341034
Xl.1044.1.S1_at	AF283563	lefty-b	119.613	277.8599	2.322991

Xl.12130.1.S1_at	M24752	hoxa7	379.0347	877.1641	2.314205
Xl.7720.1.A1_at	BF615090		98.90066	217.6525	2.200718
Xl.12993.1.A1_at	BJ051675		291.0741	634.6428	2.180348
Xl.10684.1.A1_at	BE505501		645.7087	1401.815	2.170971
Xl.16649.1.A1_at	BJ077367	dlgap4	29.83359	64.26571	2.154139
Xl.14074.1.A1_at	BJ079105		84.54743	182.0806	2.153591
Xl.22857.1.A1_at	BJ088428		80.82293	173.8468	2.150958
Xl.24572.1.S1_a_at	AB003078	tnnc2	34.33826	73.64534	2.144702
Xl.11965.1.S1_at	AF331825	LOC398232	230.8161	494.8743	2.14402
Xl.1465.1.S1_s_at	BC046253		1600.791	3418.727	2.135648
Xl.216.2.S1_a_at	Y08734	mst1	249.6296	528.8399	2.118498
Xl.18073.1.A1_at	BG885063		68.31171	144.195	2.110838
Xl.11042.1.A1_at	BE027099		140.898	293.3488	2.081994
Xl.12789.1.A1_at	BJ090902		25.84915	53.75661	2.079627
Xl.24205.1.S1_at	BJ086130		133.4403	271.3966	2.033843
Xl.23718.1.A1_at	BJ075987	mmp14	210.315	427.1203	2.03086
Xl.21639.1.S1_at	AJ319749	hoxa10	119.1655	241.4569	2.026231
Xl.1358.1.S1_at	U04302	cdx1	483.4248	975.6827	2.018272
Xl.2665.2.A1_at	BM172523	des.1-b	31.76539	63.65457	2.003897
Xl.14334.1.S1_at	BI444166	phldb1	300.4148	601.3287	2.001661

Table S19: Probes down regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR1, when filtered using low stringency criteria. Embryos were injected with *ifgfr1* mRNA and cultured to stage 10.5 at which point iFGFR1 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 10 and fold change ≤ 0.5 are classed as down regulated for data set comparison analysis.

Affymetrix probe set	Accession	Gene	iFGFR1 uninduced	iFGFR1 induced	Fold change (induced/uninduced)
Xl.25847.1.S1_at	BC052102	agr2	749.1344	45.59331	0.060861
Xl.6266.1.S1_at	AB105372	itln1	2386.638	273.2	0.114471
Xl.2924.1.S1_at	BG023525	MGC53311	2689.12	311.6354	0.115887
Xl.15702.1.A1_at	BJ076178		160.9603	21.85594	0.135785
Xl.1685.1.S1_at	AF314056	agr2	1426.016	194.7313	0.136556
Xl.847.1.S1_s_at	L10987	otog	321.8039	45.06757	0.140047
Xl.7213.2.A1_at	BJ047679	klhl24	1668.836	242.6185	0.145382
Xl.18858.1.A1_at	BI446930		200.0117	31.41209	0.157051
Xl.5846.19.S1_at	CB560320		332.328	54.65515	0.164461
Xl.20089.1.S1_at	BC042303	foxi1	711.6139	121.0953	0.17017
Xl.847.1.S1_at	L10987	otog	58.12217	10.53858	0.181318
Xl.909.1.S1_at	AB018694	xepsin	517.3831	96.30795	0.186144
Xl.1317.1.A1_at	BI443530		320.5042	63.98171	0.199628
Xl.15894.1.S1_at	CD099356		308.3369	61.77345	0.200344
Xl.6048.1.S1_at	BJ044577	fucolectin	482.8563	102.2958	0.211856
Xl.10583.1.S1_at	BC042234	slc3a2	308.5363	65.45286	0.21214
Xl.5324.1.S1_at	BJ043563	otog	2451.002	526.189	0.214683
Xl.24565.1.A1_at	BG485946		305.1666	66.69433	0.218551
Xl.1589.1.S2_at	U82110	agr3	2362.67	520.8572	0.220453
Xl.15894.2.A1_at	BJ046493		387.9466	88.91481	0.229193
Xl.9836.1.A1_at	BJ075817	liph-a	324.1801	74.86973	0.230951
Xl.10124.1.A1_at	BG347289		88.48125	20.65938	0.233489
Xl.1589.1.S1_at	AF025474	agr3	912.2403	213.7871	0.234354
Xl.1616.1.A1_at	BJ083887	fam115a	257.0284	65.21078	0.25371
Xl.9589.1.S1_at	BG037404		256.3546	65.19427	0.254313

Xl.16262.1.A1_at	BJ051781		244.4856	63.40416	0.259337
Xl.24932.1.A1_at	BG811878		220.6459	57.26802	0.259547
Xl.1683.1.S1_at	BJ044640	MGC68910	919.5528	241.7603	0.262911
Xl.11128.1.S1_at	AW766729		173.826	45.78435	0.263392
Xl.16436.1.A1_at	BJ081297		283.3807	75.66863	0.267021
Xl.16543.1.S1_at	AF513854	LOC398404	761.0533	206.7235	0.271628
Xl.15089.3.A1_a_at	BJ075680		903.3196	245.6798	0.271974
Xl.7354.1.A1_at	AW766695	sytl2	514.4447	142.7443	0.277473
Xl.26141.1.S1_at	BC044313	MGC80993	203.4943	56.53841	0.277838
Xl.15156.1.S1_at	CB562846	vill	952.6072	269.6139	0.283027
Xl.13575.1.A1_at	BU913085	b3gnt1	194.0124	55.43943	0.285752
Xl.12727.1.A1_at	BM192846	fa2h	282.1415	80.77553	0.286294
Xl.24199.1.A1_at	CB756654		110.8265	32.45849	0.292877
Xl.10362.1.A1_at	BF072092	ca12	292.2108	88.22404	0.301919
Xl.16466.1.A1_at	BJ082483		630.5206	190.5072	0.302143
Xl.21983.1.S1_at	M11940	xk81a1	2923.342	896.4823	0.306663
Xl.11136.1.A1_at	BJ045099	LOC100037100	470.7305	144.8074	0.307623
Xl.7099.1.A1_at	BE491065		923.6613	284.6587	0.308185
Xl.5912.1.A1_at	BG020669	eppk1	2148.416	662.1698	0.308213
Xl.15089.1.A1_x_at	BJ056659		586.1021	180.6528	0.308227
Xl.15163.1.S1_at	BG408248		436.1362	135.3968	0.310446
Xl.1479.1.A1_at	BG038587		217.2005	67.71781	0.311776
Xl.15277.1.A1_at	BJ043758		387.3242	120.9485	0.312267
Xl.8098.1.A1_at	BJ090592	LOC494641	285.803	89.44147	0.312948
Xl.522.1.S1_at	AF217647	pitx1	206.1751	65.11382	0.315818
Xl.24091.1.A1_at	CB565543		237.8142	75.44714	0.317252
Xl.13893.1.A1_at	BJ083655	fam3d	251.1174	81.01563	0.322621
Xl.22874.1.A1_at	BJ090165	ubp1	107.654	35.18178	0.326804
Xl.15089.1.A1_at	BJ056659		591.5682	194.4365	0.32868
Xl.5930.1.A1_at	AW766360	aldh1l1	1021.95	341.6371	0.334299

Xl.11187.1.A1_at	AW782510		252.1224	85.01391	0.337193
Xl.13767.1.A1_at	BJ075935	b3gnt3.2	312.0532	105.3933	0.337742
Xl.10855.1.A1_at	BE575595	grhl3	187.8054	63.55018	0.338383
Xl.5486.1.A1_at	BJ091754		6082.734	2062.121	0.339012
Xl.9974.1.A1_at	BJ088045		66.52056	22.87156	0.343827
Xl.24199.3.A1_at	BJ049353		78.07689	26.94582	0.345119
Xl.9155.1.A1_at	BG347403		118.687	41.3471	0.348371
Xl.16487.1.S1_at	BC045029	ehd4	179.6422	63.26909	0.352195
Xl.7307.1.S1_at	BJ084368	LOC443682	776.9469	274.6147	0.353454
Xl.2610.1.S1_at	M60768	anxa2-a	1028.105	364.3832	0.354422
Xl.7848.1.A1_at	AW148259		645.783	231.72	0.35882
Xl.23326.1.S1_at	BC045031	krt-b	2844.127	1028.006	0.361449
Xl.16672.1.S1_at	BC044108	kitlg	1091.709	398.1262	0.364682
Xl.16564.1.A1_x_at	BJ054555	fam3a	143.3998	53.01815	0.369723
Xl.17475.1.A1_at	BI446995		288.1237	107.3884	0.372716
Xl.15841.1.A1_at	BJ049236		110.1848	41.14882	0.373453
Xl.9961.1.A1_at	BG812624	syt1	1313.15	491.4328	0.37424
Xl.11145.1.A1_at	AW766955		138.7728	52.17287	0.375959
Xl.14452.1.A1_at	BG811297	bcat1	146.371	55.95351	0.382272
Xl.13681.1.A1_at	BJ092589	znf750-b	416.7048	159.507	0.382782
Xl.25460.1.A1_at	AW148116		1557.044	598.1713	0.384171
Xl.9076.1.S1_at	BC047968	nkx3-1-a	268.6878	103.9884	0.387023
Xl.16589.1.A1_at	BJ080730		439.065	170.4404	0.388189
Xl.13862.1.A1_at	BJ078064		48.4012	18.81975	0.388828
Xl.8935.1.A1_at	BJ078657		132.1452	51.6439	0.390812
Xl.1450.1.A1_at	BG579799		316.8475	124.1576	0.391853
Xl.24366.1.S1_at	BI348128		54.70393	21.80726	0.398642
Xl.7017.1.S1_at	BF615728	krt12	3004.178	1205.477	0.401267
Xl.6104.1.A1_at	BJ076947	rab27a	93.88139	37.69311	0.401497
Xl.2418.1.A1_at	BG023326	ccno	597.5852	241.4124	0.40398

Xl.7213.3.S1_a_at	BQ737049	LOC100158288	3346.962	1352.169	0.403999
Xl.11935.1.A1_at	BJ088440		283.442	114.5287	0.404064
Xl.13310.1.A1_at	BJ085740		348.9046	142.2221	0.407625
Xl.3002.1.A1_at	BJ077519		144.0594	58.72437	0.40764
Xl.9959.2.A1_at	BJ084277		295.253	120.4085	0.407815
Xl.25518.1.S1_at	BJ053813	LOC443659	794.9109	326.3894	0.410599
Xl.7756.1.S1_at	BC043737	znf750-a	899.9938	371.8535	0.413173
Xl.16658.2.A1_at	BJ090409		114.6318	47.77613	0.416779
Xl.23708.1.A1_at	AI031433	MGC81939	345.2295	145.5071	0.421479
Xl.7213.1.S1_at	BC042338	cmah	175.7834	74.36205	0.423032
Xl.13291.1.A1_at	BJ078773		138.3243	58.54586	0.423251
Xl.16504.1.A1_at	BJ090565	fut6	418.9993	177.4831	0.423588
Xl.16435.1.A1_at	BJ089860	gdpd1	466.1599	198.7805	0.426421
Xl.793.1.A1_at	M76565	gata3	266.9085	114.5064	0.42901
Xl.21868.1.S1_at	BC044973	elf-1	387.964	166.7416	0.429786
Xl.10200.1.A1_at	BJ084274	tmem181	320.895	138.2892	0.430948
Xl.25344.1.A1_at	BE678810		98.52073	42.62782	0.432679
Xl.1605.1.S1_at	BJ080966	evpl	790.9498	344.3898	0.435413
Xl.9656.1.S1_at	BC046858	glb1l2	301.6854	131.6418	0.436355
Xl.4183.2.A1_at	BJ051393	LOC100158277	284.5118	124.3346	0.437011
Xl.23835.1.A1_s_at	BJ081027		93.97275	41.11903	0.437563
Xl.16564.1.A1_s_at	BJ054555	fam3a	102.0236	45.13769	0.442424
Xl.1076.1.S1_at	BC046838	ag1	3282.452	1453.716	0.442875
Xl.1584.1.A1_at	BG347294		83.17123	36.99011	0.444747
Xl.16096.1.A1_at	BJ046407	tmem45b	500.8643	222.8049	0.444841
Xl.16320.1.S1_at	BC046669	anxa9	126.1944	56.18345	0.445213
Xl.104.1.S1_at	AJ005787	pitx2-a	38.64313	17.28341	0.447257
Xl.5296.1.A1_at	BJ080084	sod3	176.4988	79.20483	0.448756
Xl.21239.1.A1_at	BU908560		977.8089	439.3399	0.449311
Xl.12647.1.A1_at	BJ088990		143.5567	65.43294	0.455799

Xl.23267.1.S1_at	BC044298	dnajb14	106.3142	48.58638	0.457008
Xl.1380.1.S1_at	BC051601	gale	224.8116	102.9091	0.457757
Xl.1003.1.S1_at	U28370	hesx1-a	194.5836	89.12887	0.458049
Xl.2852.1.A1_at	BG555933		812.757	373.1719	0.459143
Xl.9651.1.A1_at	BG161001		57.24887	26.30527	0.45949
Xl.21677.2.A1_at	BJ057218	septin7	751.0846	345.9859	0.460648
Xl.16144.1.A1_at	CB592728	cd81-a	130.3774	60.46702	0.463785
Xl.15347.1.A1_at	BJ052833	eps8l1	517.288	240.7978	0.4655
Xl.9058.1.A1_at	BG347632	mmp3	107.1975	50.00715	0.466496
Xl.2659.1.S1_at	BC045045	atp12a-b	60.77148	28.48511	0.468725
Xl.8004.1.S1_at	AW199480		208.754	98.11765	0.470016
Xl.15798.1.A1_at	BJ044043		755.2818	355.636	0.470865
Xl.16249.1.A1_at	BJ091874		160.5881	75.75273	0.471721
Xl.1466.1.S1_at	CB560706	slc35a3.2	1577.753	744.7307	0.47202
Xl.15394.1.A1_at	BG346292		882.1013	421.1249	0.477411
Xl.12819.2.A1_at	BJ056722	gmpr2	75.28023	35.96764	0.477783
Xl.18107.1.A1_at	BG885836		303.0927	145.732	0.480817
Xl.24099.1.A1_at	CB562751	dvl3	253.4664	122.2911	0.482474
Xl.2651.1.A1_at	BG161143	nxpe4	94.63294	45.7326	0.483263
Xl.9576.1.S1_at	CB560639	ca2	63.83298	30.9301	0.484547
Xl.10887.1.A1_at	BM172535	LOC496380	367.5878	178.3782	0.485267
Xl.973.1.S1_at	L47990	gbx2.2	311.0009	151.0061	0.485549
Xl.12147.1.A1_at	BJ051202		41.13639	19.99827	0.486146
Xl.15019.1.A1_at	BQ384301		243.559	118.7522	0.48757
Xl.6308.1.A1_at	AW632863	mtus1	90.27955	44.10682	0.488558
Xl.14521.1.S1_at	BC041533	LOC398688	457.8647	224.4369	0.490182
Xl.15893.1.A1_at	BJ056712		196.7602	96.5003	0.490446
Xl.1242.1.S1_at	BC043635	arg1	1186.785	584.2408	0.492289
Xl.8929.1.A1_at	BG554539	atp6v1c2	60.40681	29.77377	0.492888
Xl.26274.1.A1_at	BE189559	MGC82269	157.5882	77.92481	0.494484

Xl.509.1.S1_at	BC046269	atp1b2	994.1904	491.892	0.494766
Xl.9394.1.A1_at	BG486911		423.9089	210.0346	0.495471
Xl.15540.1.A1_at	BJ054782		189.8896	94.11776	0.495645
Xl.22091.1.A1_at	BE188962		37.96341	18.82936	0.495987
Xl.2854.1.S1_at	BC043826	fam3a	28.38674	14.08076	0.496033
Xl.16658.3.A1_at	BJ083088		99.80517	49.6199	0.497168
Xl.1604.1.A1_at	BJ057329	MGC78986	189.6238	94.44386	0.498059
Xl.4812.1.A1_at	BG555240	rab11fip3	192.1682	95.85354	0.4988
Xl.3804.1.A1_at	BJ080125	rab25	370.5415	185.0267	0.499342

Table S20: Probes up regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR2, when filtered using low stringency criteria. Embryos were injected with *ifgfr2* mRNA and cultured to stage 10.5 at which point iFGFR2 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit ≥ 10 and fold change ≥ 2 are classed as up regulated for data set comparison analysis.

Affymetrix probe set	Accession	Gene	iFGFR2 uninduced	iFGFR2 induced	Fold change (induced/uninduced)
Xl.736.1.S1_at	AF310008	LOC398207	160.4652	3702.381	23.0728
Xl.23988.1.S1_at	BJ044287		505.9871	5634.335	11.13533
Xl.4965.1.S1_at	AJ278067	irg1	1064.377	8582.593	8.063488
Xl.16457.1.A1_at	CB563787	junb	31.24202	218.0972	6.980892
Xl.24294.1.S1_at	BJ098811		877.0342	5439.459	6.202106
Xl.8124.1.S1_at	BJ045090	MGC115642	796.4109	4810.467	6.040182
Xl.24793.1.S1_at	CB563927	tspan1	237.6087	1311.805	5.520863
Xl.23897.1.S1_at	BQ386549	cnfn-a	53.70782	255.8167	4.763118
Xl.2213.1.A1_at	BG022871	socs3	16.24894	70.625	4.346438
Xl.637.1.A1_at	AF250345	egr1-a	94.36614	402.1419	4.261506
Xl.9671.1.S1_at	BC042349	capn8-a	55.69967	218.1699	3.916897
Xl.5082.1.A1_at	BF072347	MGC68521	54.54867	166.9594	3.060742
Xl.4789.1.S1_at	BC043748	MGC52875	597.9238	1580.581	2.643448
Xl.14397.1.S2_at	BC044326	nek6	108.8085	285.3136	2.622162
Xl.24094.1.A1_at	BJ083532		98.28857	252.7789	2.571804
Xl.8010.1.A1_at	AW782315		722.1935	1761.946	2.439715
Xl.20488.1.S1_at	BQ731489		179.8223	437.5812	2.433409
Xl.15701.1.S1_at	AY150813	kremen2	42.37449	102.3726	2.415902
Xl.49.1.S1_at	X57234	wnt8a	845.1806	1996.404	2.362104
Xl.24337.1.A1_at	CB564601	nox1	37.18021	87.53065	2.354227
Xl.24218.1.S1_at	CB943601	dynll1-a	417.3013	960.6248	2.301993
Xl.13967.1.A1_at	BJ089550		88.53997	200.7678	2.267539
Xl.708.1.S1_at	AF283562	lefty-a	153.6078	345.8411	2.251455
Xl.11964.1.S2_at	AF369901	spry2	259.367	583.45	2.249515
Xl.7618.2.A1_a_at	BG346681	plscr1	278.5394	619.0939	2.222644

Xl.558.1.S1_at	AF149307	ventx3.2	895.6329	1986.257	2.217713
Xl.12130.1.S1_at	M24752	hoxa7	360.3501	778.2669	2.159752
Xl.21515.1.S1_at	CB197658	cfos-A	22.18168	47.73722	2.152101
Xl.15202.1.A1_at	AW766492		297.8484	640.8577	2.151624
Xl.880.1.S1_at	L07538	wnt3a	147.8945	318.0665	2.150631
Xl.12993.1.A1_at	BJ051675		271.7776	580.8854	2.137356
Xl.8976.1.S1_at	BG555629		94.90789	201.8224	2.126508
Xl.23900.1.A1_at	BF232275	cfos-A	19.94583	42.16692	2.114072
Xl.15920.1.A1_at	BJ048594	nab1	26.34731	55.47622	2.105575
Xl.8315.1.A1_at	AW147996	nuak2	165.2847	346.1689	2.09438
Xl.15623.1.A1_at	CB756273	pfkfb3	260.5216	539.1992	2.069691
Xl.1265.1.S1_at	BG022051	pou2f1	403.5874	834.9121	2.068727
Xl.18073.1.A1_at	BG885063		88.62115	183.0759	2.065826
Xl.22857.1.A1_at	BJ088428		68.92874	140.4202	2.03718
Xl.1082.1.S1_at	S93559	foxa4-b	293.7846	590.0935	2.008592
Xl.23957.1.S1_at	BI313816	cfd	60.16495	120.5409	2.003507

Table S21: Probes down regulated in *X. laevis* embryos due to increased FGF signalling through iFGFR2, when filtered using low stringency criteria. Embryos were injected with *ifgfr2* mRNA and cultured to stage 10.5 at which point iFGFR2 signalling was induced until late gastrula/early neurula stage 13. Embryos were collected for microarray analysis. Fragments with arbitrary unit > 10 and fold change < 0.5 are classed as down regulated for data set comparison analysis.

Affymetrix probe set	Accession	Gene	iFGFR2 uninduced	iFGFR2 induced	Fold change (induced/uninduced)
Xl.25847.1.S1_at	BC052102	agr2	1078.741	173.8067	0.16112
Xl.18858.1.A1_at	BI446930		233.7176	66.86863	0.286109
Xl.16543.1.S1_at	AF513854	LOC398404	820.9011	258.0359	0.314332
Xl.1685.1.S1_at	AF314056	agr2	1773.491	563.4406	0.317701
Xl.24199.1.A1_at	CB756654		120.7765	39.2754	0.325191
Xl.20089.1.S1_at	BC042303	foxi1	797.0745	263.0961	0.330077
Xl.6266.1.S1_at	AB105372	itln1	2580.161	864.9527	0.335232
Xl.13575.1.A1_at	BU913085	b3gnt1	226.6352	79.5082	0.35082
Xl.15702.1.A1_at	BJ076178		195.2462	69.83463	0.357675
Xl.2924.1.S1_at	BG023525	MGC53311	3293.835	1213.792	0.368504
Xl.24199.3.A1_at	BJ049353		88.4702	32.63929	0.36893
Xl.1317.1.A1_at	BI443530		285.1211	111.1204	0.389731
Xl.26141.1.S1_at	BC044313	MGC80993	208.3584	82.72846	0.397049
Xl.5846.19.S1_at	CB560320		349.1657	140.6166	0.402722
Xl.10583.1.S1_at	BC042234	slc3a2	326.2393	131.402	0.402778
Xl.24091.1.A1_at	CB565543		293.9754	118.6915	0.403746
Xl.22874.1.A1_at	BJ090165	ubp1	125.8925	52.4566	0.416678
Xl.11145.1.A1_at	AW766955		160.3135	67.23014	0.419367
Xl.909.1.S1_at	AB018694	xepsin	557.3487	234.0749	0.419979
Xl.24565.1.A1_at	BG485946		313.7827	134.2636	0.427887
Xl.11128.1.S1_at	AW766729		184.2803	79.8253	0.433173
Xl.2659.1.S1_at	BC045045	atp12a-b	64.09484	27.84912	0.434499
Xl.16262.1.A1_at	BJ051781		311.8732	136.705	0.438335
Xl.12727.1.A1_at	BM192846	fa2h	335.2083	148.4532	0.442868
Xl.841.3.S1_a_at	X17545	pdgfa	45.0968	20.0641	0.444912

Xl.186.1.S1_at	AF017273	rax-a	159.6797	71.05398	0.444978
Xl.186.1.S2_at	AF001048	rax-a	76.24655	34.39009	0.451038
Xl.1589.1.S1_at	AF025474	agr3	782.6915	353.0412	0.45106
Xl.14452.1.A1_at	BG811297	bcat1	160.2268	72.31372	0.451321
Xl.1683.1.S1_at	BJ044640	MGC68910	1069.387	483.0804	0.451736
Xl.8935.1.A1_at	BJ078657		160.0265	73.3603	0.458426
Xl.460.1.S1_at	BG021592	fzd4	66.66158	30.72205	0.460866
Xl.15475.1.A1_at	BJ083397		215.0826	99.61071	0.463128
Xl.16466.1.A1_at	BJ082483		715.7612	334.3791	0.467166
Xl.3789.1.S1_at	BC041714	cebpa	140.6496	66.11171	0.470046
Xl.104.1.S1_at	AJ005787	pitx2-a	48.27489	22.87563	0.473862
Xl.10362.1.A1_at	BF072092	ca12	298.9732	142.7477	0.47746
Xl.11114.1.A1_at	BJ051736	LOC100337617	56.68702	27.07366	0.477599
Xl.522.1.S1_at	AF217647	pitx1	250.3659	119.633	0.477833
Xl.9974.1.A1_at	BJ088045		87.75367	42.08099	0.479535
Xl.5296.1.A1_at	BJ080084	sod3	179.4096	86.81884	0.483914
Xl.5324.1.S1_at	BJ043563	otog	2884.877	1400.197	0.485358
Xl.15163.1.S1_at	BG408248		442.7589	215.625	0.487003
Xl.9576.1.S1_at	CB560639	ca2	74.44325	36.56292	0.491152
Xl.5912.1.A1_at	BG020669	eppk1	2078.929	1022.833	0.492
Xl.16589.1.A1_at	BJ080730		488.0201	242.3778	0.496655
Xl.1616.1.A1_at	BJ083887	fam115a	350.7499	174.3547	0.497091
Xl.7213.3.S1_a_at	BQ737049	LOC100158288	4478.001	2229.965	0.497982

Table S22: Overlap of differentially expressed genes in embryos subject to decreased FGF signalling by dnFGFR4 and increased by iFGFR1 or iFGFR2, from low stringency filtering. Up and down regulated probe lists were compiled to produce differentially expressed gene lists, containing 112, 199 and 90 for dnFGFR4, iFGFR1 and iFGFR2 respectively. Unnamed genes are distinguished by their accession code. List analysis was performed using Multiple List Comparator (http://www.molbiotools.com/listcompare.html).

dnFGFR4, iFGFR1 and iFGFR2	dnFGFR4 and iFGFR1	dnFGFR4 and iFGFR2	iFGFR1 and iFGFR2
Unnamed (BJ051675)	Unnamed (BJ051675)	Unnamed (BJ051675)	Unnamed (BJ051675)
LOC398260	LOC398260	LOC398260	LOC398260
Unnamed (BJ044287)	Unnamed (BJ044287)	Unnamed (BJ044287)	Unnamed (BJ044287)
Unnamed (BG485946)	Unnamed (BG485946)	Unnamed (BG485946)	Unnamed (BG485946)
irg1	irg1	irg1	irg1
egr1-a	egr1-a	egr1-a	egr1-a
LOC398207	LOC398207	LOC398207	LOC398207
MGC115642	MGC115642	MGC115642	MGC115642
	LOC398232	foxa4-b	ca12
	Unnamed (BC046253)	spry2	pitx2-a
	MGC78986	pfkfb3	slc3a2
	krt-b	wnt8a	Unnamed (AW766729)
	atp1b2	pdgfa	Unnamed (AW766955)
	Unnamed (BF615090)		hoxa7
			fa2h
			Unnamed (BI443530)
			b3gnt1
			Unnamed (BJ089550)
			nek6
			bcat1
			Unnamed (BG408248)
			Unnamed (AW766492)
			Unnamed (BJ076178)
			agr3
			Unnamed (BJ048594)
			fam115a
			Unnamed (BJ051781)
			junb
			Unnamed (BJ082483)
			LOC398404
			Unnamed (BJ080730)
			MGC68910
			Unnamed (BG885063)

			Unnamed (BI446930) foxi1 Unnamed (BQ731489) Unnamed (BJ088428) ubp1 cnfn-a Unnamed (CB565543) Unnamed (CB756654) Unnamed (BJ049353) dynll1-a Unnamed (BJ098811) Unnamed (CB564601) tspan1 agr2 MGC80993 atp12a-b MGC53311 MGC52875 MGC68521 pitx1 Unnamed (BJ080084) otog Unnamed (CB560320) eppk1 itln1 lefty-a LOC100158288 wnt3a Unnamed (BJ078657) xepsin ca2 capn8-a Unnamed (BJ088045)

Table S23: Gene transcripts up regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using high stringency criteria. Embryos were collected at neurula stage 14 for RNA-Seq analysis. Gene transcripts with a q-value ≤ 0.05 and effect size ≥ 1.5 are classed as up regulated.

Gene	Transcript ID	q-value	Effect Size
fgf4	NM_001142822.1	1.18087E-07	27.88716886
rasgrp1	XM_012967847.2	0.042539083	26.95295307
LOC100485153	XM_002932276.4	0.003691665	24.58817096
pcdhga11	XR_001924167.1	0.042539083	20.98133462
fgd3	XM_004914180.3	0.044703553	20.21253602
bmp7.2	XM_012970501.2	0.001447651	15.07117038
mgat1	XM_012968316.2	0.044446871	14.3461135
LOC101731310	XM_012953285.1	0.025201343	11.5266165
tmcc1	XM_012960662.2	0.031858259	11.36183418
exoc3l1	XM_002931681.4	8.94323E-05	9.967542894
htr1b	XM_002936205.4	0.027162251	7.746103985
apold1	NM_001078836.1	0.002020736	5.448162311
fos	NM_001016200.2	7.14837E-17	5.381177362
mmp1	NM_001030330.1	0.042539083	4.653594495
egr1	NM_001097361.1	0.012868324	4.276750829
mmrn2	XM_002937572.4	0.042539083	3.619726093
LOC101732940	XM_004914317.3	0.000721067	3.24325078
frzb	NM_001005438.1	0.044658601	3.207932716
fosl1	XM_002939331.4	0.015416774	2.99609256

eng	XM_012969535.2	0.001728563	2.992350636
hoxc11	XM_002936646.4	0.002125787	2.903192959
cbx4	NM_001102857.1	0.001299909	2.870993441
LOC105945708	XM_018090141.1	0.000516008	2.745017167
esam	NM_001142053.1	1.8113E-05	2.68752539
LOC101733948	XM_018090681.1	0.000716177	2.67505682
LOC100486038	XM_012962310.2	0.003080282	2.657408077
sgk1	XM_012963073.2	7.13197E-05	2.656730106
c4bpa	XM_012964062.2	0.007581702	2.626800951
LOC101731765	XM_012959764.2	0.001579607	2.505614092
sgk1	NM_001030422.1	1.86292E-05	2.505100445
LOC101733271	XM_018093405.1	0.01324552	2.476396364
arrdc2	NM_001079231.1	3.05996E-06	2.471865556
gpcpd1	NM_001142145.1	0.018156471	2.452436757
LOC105947461	XR_001170914.1	7.13197E-05	2.443560549
arrdc2	XM_012965809.2	2.49773E-06	2.439528601
b4galt1.1	XM_018091031.1	0.01800023	2.436929699
avp	XM_002936358.3	0.015416774	2.355642464
ier3	XM_004919807.3	0.001299909	2.330770769
LOC101731863	XR_001170706.2	0.000784209	2.230507693
usp2	NM_001142050.1	0.044658601	2.224972824

wnt8a	NM_001017208.2	0.003578035	2.200960826
LOC100495743	XM_004913573.3	0.006283032	2.18865443
LOC101731863	XR_208542.3	0.000622148	2.177681165
fam83c	XM_012952528.1	0.001068629	2.118208912
LOC100124990	NM_001102919.3	0.02714543	2.0669298
st6galnac4	XM_012968605.2	2.68804E-06	2.025195334
nfkbiz	NM_001130266.1	0.027330251	2.017238861
rasl11b	NM_001015774.1	0.001447651	1.987024463
LOC101730746	XR_001924462.1	0.017115016	1.985961433
LOC779592	XM_002939597.4	0.005452064	1.96987089
ventx3.2	NM_001129916.1	0.042539083	1.965546692
fam83c	NM_001045662.1	0.025675126	1.930480575
tdrp	XM_012962978.2	0.039605764	1.924266703
mst1	XM_004915576.3	0.008907126	1.891258211
uckl1	NM_001015872.1	9.48031E-07	1.859603651
sat1	XM_018091191.1	0.017426139	1.858108788
dct	NM_001017161.2	0.010851319	1.844070127
LOC100497630	XR_001169499.2	0.030282679	1.825091491
dlx2	NM_001008060.1	7.08248E-05	1.798384078
cldn6.1	NM_203542.1	0.015416774	1.783676685
atf3	XM_002934698.4	0.013648729	1.757373193

smim13	XM_002932667.4	0.000516008	1.705393328
cyp2r1	NM_001113012.1	0.004079139	1.702549517
fgf16	XM_002931813.4	0.044658601	1.694650431
chn1	XM_012969930.2	0.025443815	1.691664713
nuak2	NM_001128027.1	0.001247241	1.673097397
chic1	XM_004916833.3	0.041119419	1.67206119
spry2	NM_001006931.2	0.019897542	1.668961473
fhl3	NM_001008164.1	0.039280105	1.633826521
fat1	XM_004911187.3	0.035525741	1.631658633
tmcc1	NM_001142914.1	0.018156471	1.62244506
LOC101733268	XM_004920511.3	0.000185942	1.618504258
pnpla3	NM_001015693.1	0.007863064	1.600436497
sat1	NM_001007996.1	0.001007163	1.594296171
plk3	NM_001006765.1	0.000743614	1.546975607
LOC100495963	XM_012957514.2	0.027051654	1.541072571
map3k1	XM_012966894.2	0.026059899	1.535434974
sox17b.2	NM_001097368.1	0.016072498	1.531886979
fth1	NM_203677.1	0.009374447	1.51555087
errfi1	NM_001142047.1	0.017426139	1.514569393
gadd45a	XM_012961068.2	0.027051654	1.506097162

Table S24: Gene transcripts down regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using high stringency criteria. Embryos were collected at neurula stage 14 for RNA-Seq analysis. Gene transcripts with a q-value ≤ 0.05 and effect size ≤ 0.75 are classed as down regulated.

Gene	Transcript ID	q-value	Effect Size
LOC100497306	XR_001923491.1	0.002395386	0.021086369
cfap47	XM_012957626.1	0.018865286	0.031143536
slc8a2	XM_002939246.4	0.0097868	0.039044794
LOC100497037	XM_002942954.4	0.003392383	0.040494741
LOC100158544	XM_012960647.2	0.042539083	0.041817766
klc1	XM_012968488.2	0.024813384	0.045608722
pax6	XM_018092995.1	0.039280105	0.082281433
znf180	XM_012959249.1	0.042539083	0.089521817
dzip1l	XM_018093954.1	0.048505934	0.121625704
spib	XM_018095307.1	0.000836522	0.137050666
LOC100494953	XM_012965004.1	0.015416774	0.251986308
ak7	NM_001011352.1	0.002025822	0.264274345
unc13d	NM_001127035.1	0.012868324	0.269311401
pax6	NM_001006762.1	0.009277664	0.273419488
pax6	XM_012960859.1	0.030282679	0.273505064
cebpa	NM_001011044.1	0.001241225	0.276828341
morn3	XM_002937694.4	0.013719987	0.300441935
pou2f3	XM_012967083.2	0.033157528	0.304821707
prdm12	NM_001079430.1	0.044446871	0.332442951

LOC100125107	NM_001103015.1	0.039835909	0.368220107
mdh1b	XM_002937125.4	0.019897542	0.387854206
ctbs	NM_001011500.1	0.039068822	0.389011979
ccdc185	XM_002939754.2	0.041899984	0.391769929
hepacam2	XM_002934597.4	0.008907126	0.404671398
clmn	XM_002936068.4	7.80341E-05	0.418799371
ugt8	XM_002934246.4	0.013098655	0.420579151
eps8l1	XM_002938280.4	3.00617E-06	0.430374294
LOC100486832	XM_002933062.4	0.020159784	0.432871307
plppr3	XM_018090851.1	0.029013976	0.44015425
or51e1	NM_001126801.1	0.003392383	0.44050733
slc23a2	NM_001126689.1	2.41328E-05	0.459332118
greb1l	XM_012964372.2	1.71121E-05	0.461174327
plppr3	NM_001126788.1	0.027330251	0.468920113
hmha1	XM_012967587.2	0.000784209	0.469645198
LOC100491113	XM_002937513.4	0.001175115	0.475362991
cygb	NM_001006869.1	0.004887496	0.481087688
ag1	NM_213699.1	0.015171968	0.488717109
LOC100494680	XM_012967250.1	0.000185942	0.498831127
LOC100492494	XM_002934634.4	0.000292008	0.502358166
arhgap45	NM_001114499.1	0.001358486	0.515308942

ets1	XM_012966189.2	0.036524668	0.515417582
fam3d	XM_012960902.2	0.027051654	0.52587003
galnt16	NM_001045626.1	0.009277664	0.527957982
dhx32	XM_012959634.2	0.000836522	0.532075305
slc16a3	XM_012966459.2	0.000784209	0.533095825
hoxb1	XM_004918662.3	0.000516008	0.537205358
tox	XM_012965282.2	0.030282679	0.543028965
nkain1	NM_001079128.1	0.041119419	0.545245803
ets1	NM_001130368.1	2.41328E-05	0.545297328
slc35a3.2	XM_012966299.2	0.003691665	0.548295362
capns1	XR_001923778.1	0.000175944	0.559477532
LOC100158459	NM_001127900.1	0.000784209	0.565276713
axl	NM_001097188.1	0.029938522	0.571096835
fzd8	NM_001097391.3	0.004887496	0.573060026
pkdcc.2	NM_001127116.1	0.027330251	0.573799249
znf219	XM_002934275.4	0.044658601	0.583366979
LOC100145695	NM_001127069.1	7.08248E-05	0.585458973
msi1	XM_012961432.2	0.019897542	0.587320328
cdh11	NM_001015858.1	0.025983165	0.596389217
ap3b1	XM_012967368.2	0.001720663	0.608610837
dpysl3	NM_001005637.1	0.042539083	0.609334314

actn1	NM_001079198.1	0.001241225	0.611427383
syt16	XM_012969388.2	0.025138754	0.613949657
LOC100216141	NM_001142116.1	0.000784209	0.620028205
eppk1	XM_018090316.1	0.000320603	0.630667707
slc13a4	NM_001030500.1	0.016009577	0.642041044
eppk1	XM_012954676.2	0.007099309	0.646211817
lpcat4	NM_001044398.1	0.001447651	0.648828588
anxa4	NM_001016047.2	0.003100449	0.652351587
LOC100491105	XM_012958734.2	0.01189994	0.653718045
mmp3	NM_001030331.2	0.002652085	0.666881639
vtcn1	NM_001008188.1	0.00276722	0.66781467
serpina1	XM_004917080.2	0.029957998	0.668368437
LOC100485697	XM_002939393.4	0.041826173	0.669512105
ripply2.2	XM_002933915.4	0.030282679	0.670780096
col18a1	XM_012970906.2	0.01043909	0.676597215
celsr2	XM_002932136.4	0.025085057	0.676885285
efnb3	NM_001113010.1	0.017426139	0.678412323
atp2a2	XR_001923782.1	0.005578601	0.680144078
osbpl2	NM_205832.1	0.025108199	0.684476984
sp7	NM_001135118.1	0.04317473	0.685235881
fgfr4	XM_012959004.2	0.029373122	0.687708766

s1pr5	NM_001127068.1	0.019897542	0.691319098
tmem45b	NM_001011108.1	0.019555565	0.69814305
notch3	XM_018092518.1	0.023040129	0.701229494
nek2	NM_001001457.2	0.023948639	0.709276811
dsp	XR_001171073.2	0.044446871	0.710644324
cers2	NM_001097273.1	0.043338851	0.715656726
cep131	NM_001045711.1	0.044725616	0.716805357
irx3	NM_001001216.1	0.041899984	0.717282619
nucb1	NM_213689.2	0.047933648	0.718204839
meis3	NM_001006781.1	0.036597279	0.720908922

Table S25: Biological processes associated with gene transcripts up regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using high stringency criteria. Gene transcripts with a q-value ≤ 0.05 and effect size ≥ 1.5 are classed as up regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Branching morphogenesis of an epithelial tube	5	0.42	+	12	6.93E-05	3.32E-02
Transmembrane receptor protein serine/threonine kinase signalling pathway	5	0.48	+	10.49	1.28E-04	4.50E-02
Regulation of cellular response to growth factor stimulus	6	0.71	+	8.5	8.15E-05	3.68E-02
Muscle organ development	6	0.73	+	8.26	9.53E-05	3.76E-02
Cellular response to growth factor stimulus	8	1.02	+	7.85	8.53E-06	8.98E-03
Vasculature development	8	1.45	+	5.51	1.01E-04	3.89E-02
Regulation of protein kinase activity	9	1.76	+	5.13	6.21E-05	3.17E-02
Positive regulation of cell death	9	1.85	+	4.87	9.20E-05	3.73E-02
Regulation of cell migration	11	2.38	+	4.62	2.22E-05	1.76E-02
Negative regulation of signal transduction	14	3.08	+	4.55	1.63E-06	3.22E-03
Animal organ morphogenesis	11	2.64	+	4.17	5.58E-05	3.15E-02
Regulation of cell population proliferation	18	4.32	+	4.17	1.28E-07	1.01E-03
Regulation of apoptotic process	16	3.89	+	4.11	9.29E-07	2.45E-03
Regulation of multicellular organismal development	21	5.6	+	3.75	4.90E-08	7.74E-04
Positive regulation of developmental process	15	4.01	+	3.74	7.00E-06	1.01E-02
Positive regulation of multicellular organismal process	15	4.99	+	3.01	8.84E-05	3.78E-02

Table S26: Biological processes associated with gene transcripts down regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using high stringency criteria. Gene transcripts with a q-value ≤ 0.05 and effect size ≤ 0.75 are classed as down regulated. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Anatomical structure morphogenesis	20	7.07	+	2.83	1.39E-05	3.13E-02
Regulation of localization	24	9.2	+	2.61	5.68E-06	1.80E-02
System development	32	13.48	+	2.37	7.96E-07	3.14E-03
Cell differentiation	27	11.79	+	2.29	1.55E-05	3.05E-02

Table S27: Gene transcripts up regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Embryos were co-injected with *ifgfr1* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR1 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 20 and fold change ≥ 2 are classed as up regulated. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR1 uninduced (FPKM)	iFGFR1 induced (FPKM)	Fold change
foxa4-b	c.Audic201207_X015973	JGIv7b.000031469_915655-919113+	0.3136	52.2157	166.5118
foxa4-b	c.Audic201207_X039184	JGIv7b.000146669_874246-877928+	1.1848	65.1526	54.9921
pou4f2	c.Ueno201210eye_X001811	JGIv7b.000190940_1080000-1081640+	0.5842	30.4957	52.2029
foxd3	c.TeperekTkacz201206_X004421	JGIv7b.000155039_2084699-2086670-	0.6084	26.2764	43.1860
foxa4-a	c.Chang2013_X041679	NIGv2.S00005482_210567-214238+	2.1239	81.9421	38.5805
foxa4-b	c.Taira201203st10_X004823	NIGv2.S00000078_44808-48405-	1.2456	44.7313	35.9117
rnf223	c.Taira201203stomach_X001511	JGIv7b.000066475_1968499-1980832-	1.3059	34.0277	26.0563
egr1	c.Taira201203brain_X018066	NIGv2.S00002014_841622-844998-	0.9392	24.3496	25.9270
egr1	c.Taira201203brain_X011529	JGIv7b.000100253_3060022-3063473+	0.8749	22.5844	25.8138
lefty-a	c.Audic201207_X034596	JGIv7b.000102974_5086276-5089519+	2.2138	43.4173	19.6118
ikzf2	c.Ueno201210st09_X000205	JGIv7b.000020345_864299-915085+	2.8179	43.6383	15.4863
fos	c.Chang2013_X035972	JGIv7b.000289484_63570-66916-	1.7901	26.6930	14.9113
wnt11b	c.Ueno2012102cells_X000642	JGIv7b.000036991_2149589-2155869-	3.9997	56.3802	14.0962
apold1	c.Ismailoglu201203_X011798	JGIv7b.000245044_7730288-7735262-	1.6232	22.1432	13.6421
Unnamed	c.Chang2013_X002796	JGIv7b.000006875_1358573-1361506-	5.5283	72.9397	13.1939
dusp5	c.Quigley201212_X053012	NIGv2.S00001026_193780-200530+	4.1364	43.7868	10.5856

osbp	c.Audic201207_X051959	NIGv2.S00000286_2585-35077+	14.9563	153.9470	10.2931
dusp5	c.Quigley201212_X012016	JGIv7b.000020641_3538718-3561871+	3.2462	30.7019	9.4579
osbp	c.TXGP201107_X010742	NIGv2.S00004591_55245-117384-	6.8609	63.7621	9.2936
not-b	c.Quigley201212_X014344	JGIv7b.000027038_130890-133875+	4.1587	33.4918	8.0533
spry2	c.Audic201207_X052492	NIGv2.S00000643_130056-136068-	2.9848	23.9997	8.0408
spry1	c.Taira201203brain_X010913	JGIv7b.000088765_2315207-2319681-	4.4888	35.8862	7.9947
ngfr	c.Chang2013_X024955	JGIv7b.000093635_64090-85740+	2.8741	22.3417	7.7734
Unnamed	c.JGIL6RMv1_XeXenL6RMv10032768m	JGIv7b.000007555_1690594-1693172-	5.8318	42.9807	7.3700
foxd4l1.2	c.Chang2013_X037957	JGIv7b.000399468_514029-542898+	17.2069	125.3733	7.2862
spry1	c.Taira201203st09_X003581	JGIv7b.000112610_1220629-1226046-	10.2483	73.5992	7.1816
spry2	c.Audic201207_X030319	JGIv7b.000078860_6146766-6153564+	2.9993	21.3440	7.1164
junb	c.JGIL6RMv1_XeXenL6RMv10045874m	JGIv7b.000055171_792459-795115-	4.2390	29.8710	7.0467
osbp	c.TXGP201107_X001151	JGIv7b.000011978_364042-432008+	11.1704	70.7974	6.3379
foxb1	c.UniGene_XI_S13590653	JGIv7b.000038656_1756198-1758738+	5.4126	32.6920	6.0400
Unnamed	c.Taira201203st20_X000469	JGIv7b.000007555_1662265-1664543+	4.7347	26.9042	5.6824
admp	c.Chang2013_X033894	JGIv7b.000231526_1125358-1130767+	6.1960	35.1190	5.6680
fos	c.Taira201203intestine_X003495	JGIv7b.000039723_6574477-6577523+	5.1696	29.0954	5.6282
Unnamed	c.JGIL6RMv1_XeXenL6RMv10025054m	JGIv7b.000016863_2508114-2510618-	5.8114	32.5197	5.5959
Unnamed	c.Chung201110_X001591	JGIv7b.000016863_2485228-2487193+	4.9620	26.1935	5.2789

foxd4l1.1-b	c.Chang2013_X039478	NIGv2.S00001139_12051-40798-	16.2429	84.1505	5.1808
zxdc	c.Taira201203eye_X014955	NIGv2.S00000309_453048-462189-	12.8583	66.4315	5.1664
Unnamed	c.XGI_TC424259	JGIv7b.000189728_169429-172053+	4.0576	20.4556	5.0413
sgk1	c.Taira201203ovary_X003188	JGIv7b.000039762_1596878-1614597+	24.4193	121.0690	4.9579
spry1	c.Amin201106_X029644	NIGv2.S00003069_305986-309195+	7.7982	38.6050	4.9505
loc398207	c.Quigley201212_X033084	JGIv7b.000094770_18082-25147+	67.5970	321.4017	4.7547
arl5c	c.XGI_TC426294	JGIv7b.000075417_5337831-5344493-	8.6376	40.2960	4.6652
btg2	c.Quigley201112_X018699	JGIv7b.000196263_531292-533437-	21.4551	97.4157	4.5405
il17rd	c.Taira201203st25_X001673	JGIv7b.000033876_403578-455425-	4.7150	20.8393	4.4197
sp5l	c.JGIL6RMv1_XeXenL6RMv10032472m	JGIv7b.000070222_2093542-2103684-	16.1538	68.8956	4.2650
foxd4l1.1-b	c.Chang2013_X038965	NIGv2.S00000686_540615-542511+	31.6315	131.6689	4.1626
tspan1	c.Audic201207_X053503	NIGv2.S00001300_769342-778120+	41.8466	172.2516	4.1163
zswim4	c.Ueno2012102cells_X001536	JGIv7b.000175714_234323-250264-	13.8014	56.4073	4.0871
Unnamed	c.JGIL6RMv1_XeXenL6RMv10028945m	JGIv7b.000043061_1325599-1369985-	34.8819	142.2261	4.0774
foxd4l1.1-b	c.TeperekTkacz201202_X000807	JGIv7b.000106782_2609184-2610932+	19.8100	79.1282	3.9944
il17rd	c.Quigley201207_X011235	JGIv7b.000177844_221181-278096+	6.1251	24.3351	3.9730
sp5l	c.Chang2013_X040311	NIGv2.S00002193_122413-127676-	8.9992	35.6326	3.9596
zswim4	c.TXGP201107_X010004	NIGv2.S00000140_899537-914561+	8.7687	34.4876	3.9330
tspan1	c.Ueno201210kidney_X001802	JGIv7b.000276272_818115-826957+	48.9315	191.6254	3.9162
ctdspl	c.Park201106_X027161	NIGv2.S00002443_4948-59702-	7.9696	31.0433	3.8952

Unnamed	c.Quigley201212_X053887	NIGv2.S00001621_263619-264537+	44.9150	154.4461	3.4386
id3	c.Quigley201212_X005126	JGIv7b.000008834_232083-234500+	23.8531	81.6975	3.4250
pnp	c.TXGP201107_X009208	JGIv7b.000272406_956346-987977+	24.2831	82.4798	3.3966
pgbd4	c.Park201106_X015855	JGIv7b.000086967_109082-110412-	9.5238	31.9375	3.3535
oct25	c.Chang2013_X013645	JGIv7b.000037448_494399-508009-	114.4238	382.2251	3.3404
id3	c.Audic201207_X054642	NIGv2.S00002590_1022943-1025176-	17.4910	58.0461	3.3186
mt-nd4l	c.JGIL6RMv1_XeXenL6RMv10002896m	JGIv7b.000323037_5513-7181-	177.9329	583.8944	3.2815
Unnamed	c.Taira201203st35_X000022	JGIv7a.000047289_152305-224116+	6.4118	20.9698	3.2705
fhdc1	c.Taira201203skin_X002522	JGIv7b.000061741_179945-216324+	7.3627	23.3803	3.1755
pfkfb3	c.Taira201203st10_X000227	JGIv7b.000005375_625926-678516+	35.5523	112.5319	3.1653
traf4	c.Audic201207_X017275	JGIv7b.000035361_3685547-3718641+	7.6387	23.9594	3.1366
ptgs2	c.Ueno201210heart_X000956	JGIv7b.000078978_2024793-2032785+	15.3654	47.7499	3.1076
qser1	c.Quigley201212_X028931	JGIv7b.000074352_3829490-3877907-	13.1059	40.6411	3.1010
dusp6	c.Amin201106_X009592	JGIv7b.000037038_2504489-2510048+	7.0739	21.7971	3.0813
ctdspl	c.Audic201207_X054871	NIGv2.S00002830_708728-756944-	6.8446	20.9132	3.0554
fam175b	c.Quigley201212_X051814	NIGv2.S00000271_73012-90228+	9.4219	28.7311	3.0494
irg1	c.Quigley201212_X033094	JGIv7b.000094770_38299-44565+	423.9313	1280.4328	3.0204
Unnamed	c.Taira201203st09_X005221	NIGv2.S00003550_318830-363395+	7.6538	23.0831	3.0159
wee1	c.Taira201203intestine_X003798	JGIv7b.000043483_5018073-5034433-	8.8695	26.4111	2.9777
zfp36l1	c.Audic201207_X044942	JGIv7b.000218195_958966-963341-	20.8013	61.8723	2.9744

foxd4l1.1-a	c.TeperekTkacz201202_X001018	JGIv7b.000214452_17356-19212-	35.9183	105.8121	2.9459
nlk	c.Taira201203liver_X002808	JGIv7b.000112554_594124-701747-	9.3416	27.3859	2.9316
dlc1	c.Ismailoglu201203_X004054	JGIv7b.000032657_820019-864998+	7.1462	20.9270	2.9284
setd2	c.JGIL6RMv1_XeXenL6RMv10033051m	NIGv2.S00003637_448414-489792-	14.6904	42.5621	2.8973
brd4	c.Taira201203egg_X006587	JGIv7b.000171831_818651-864287+	8.3435	24.1707	2.8970
mrrf	c.TeperekTkacz201206_X001915	JGIv7b.000034020_290760-308242+	130.3000	376.5106	2.8896
cdc25b-b	c.Quigley201212_X056550	NIGv2.S00007616_27531-41541+	20.8967	60.3396	2.8875
hes1	c.JGIL6RMv1_XeXenL6RMv10038392m	JGIv7b.000030987_2402981-2405745+	12.0056	34.6172	2.8834
abr	c.Ismailoglu201203_X006801	JGIv7b.000060518_1500403-1765004-	8.0376	23.1376	2.8787
rhob	c.Ueno201210heart_X001032	JGIv7b.000093416_2010188-2013106-	33.3053	95.5116	2.8678
znf629	c.Taira201203st15_X003375	NIGv2.S00007957_89052-92237+	16.1677	45.8474	2.8357
ctdspl	c.TXGP201107_X004600	JGIv7b.000052573_13749417-13799745-	9.0844	25.5696	2.8147
cdc25b-a	c.Quigley201212_X014347	JGIv7b.000027038_1265417-1280660+	23.5974	66.3618	2.8122
hes1	c.Amin201106_X028288	NIGv2.S00000545_1573064-1575318+	9.4521	26.5510	2.8090
kif24	c.Taira201203ovary_X008075	JGIv7b.000293433_8191-46796+	10.3541	28.9602	2.7970
prickle1	c.Taira201203egg_X004705	JGIv7b.000074339_3116341-3188715-	21.6873	60.4589	2.7878
iyd	c.Taira201203intestine_X003967	JGIv7b.000045784_2485606-2494783-	14.9467	41.4311	2.7719
atp6v0c	c.JGIL6RMv1_XeXenL6RMv10023514m	JGIv7b.000023403_4435801-4447982-	41.9109	115.9581	2.7668
pou3f4	c.Quigley201212_X020593	JGIv7b.000046073_2406892-2453403+	45.5484	125.9794	2.7658

atp6v0c	c.XGI_TC428762	JGIv7b.000000939_2385517-2396566+	35.8372	99.0565	2.7641
pdgfb	c.Quigley201212_X030415	JGIv7b.000078978_3403347-3420648-	12.3947	34.1491	2.7551
setd2	c.Taira201203spleen_X006385	NIGv2.S00009726_1023-70644+	10.7180	29.4297	2.7458
Unnamed	c.Quigley201112_X001095	JGIv7b.000003737_943400-944398-	11.8105	32.4023	2.7435
cdc25b-a	c.Chang2013_X041859	NIGv2.S00006568_301501-315199-	15.7120	43.0692	2.7412
rnf111	c.Quigley201212_X026207	JGIv7b.000059883_2180394-2206352-	19.5660	53.5084	2.7348
zfp36l2	c.Chang2013_X026204	JGIv7b.000102974_14415127-14420720-	15.8891	43.3341	2.7273
cdc25b-b	c.Taira201203kidney_X000277	JGIv7b.000001168_7102490-7117401-	26.9670	73.3518	2.7201
arid1a	c.Quigley201212_X054694	NIGv2.S00002590_373032-409653+	29.5648	79.9165	2.7031
yap1	c.UniGene_Xl_S55517271	JGIv7b.000006290_698493-749864-	18.3804	49.6578	2.7017
ptgs2	c.Chang2013_X004724	JGIv7b.000012423_153604-158988+	72.9623	195.3023	2.6768
tpbg	c.Chang2013_X029203	JGIv7b.000146478_52070-57563+	13.3798	35.6692	2.6659
plk3	c.Taira201203kidney_X014170	NIGv2.S00000426_191175-202329+	8.5407	22.7662	2.6656
ube2r2	c.Amin201106_X027211	JGIv7b.000368488_122787-152516-	7.9246	21.0511	2.6564
hes1	c.JGIL6RMv1_XeXenL6RMv10001368m	JGIv7b.000043648_488242-491835-	7.6778	20.3869	2.6553
rps3	c.JGIL6RMv1_XeXenL6RMv10003218m	JGIv7b.000050406_350421-370416-	106.7833	281.9465	2.6404
mll3	c.Taira201203st25_X001266	JGIv7b.000022415_2138891-2170684-	11.2130	29.5433	2.6347
gpx4	c.Park201106_X000258	JGIv7a.000101906_462283-468199-	105.6245	277.9608	2.6316
mt-nd4l	c.Taira201203st12_X004364	NIGv2.C23850859_23-547-	581.9104	1526.9800	2.6241
ube2d4	c.XGI_TC436250	JGIv7b.000051940_709036-720757+	8.9399	23.2398	2.5996

id3	c.JGIL6RMv1_XeXenL6RMv10027462m	JGIv7b.000098463_1551637-1553867+	54.3817	141.1257	2.5951
Unnamed	c.mgEST_1013119916	JGIv7b.000217632_684-2008-	25.4707	66.0988	2.5951
arl4c	c.XenBase_83406002	JGIv7b.000004321_313412-316546-	10.2999	26.7216	2.5944
mxi1	c.TeperekTkacz201206_X001389	JGIv7b.000020641_3480668-3492185+	32.5385	84.3522	2.5924
mcmbp	c.Amin201106_X029621	NIGv2.S00002933_255375-265588-	312.7727	810.7663	2.5922
prickle1	c.TeperekTkacz201206_X005778	NIGv2.S00000920_346369-410352-	11.8795	30.4790	2.5657
zfp36l2	c.Park201106_X000114	JGIv7a.000017698_6247896-6253061+	13.1598	33.7582	2.5653
irg1	c.Quigley201212_X017592	JGIv7b.000036991_115611-122292+	367.6724	939.0729	2.5541
foxk2	c.Quigley201212_X040617	JGIv7b.000163806_1576700-1627098+	14.5140	37.0611	2.5535
sall1	c.TeperekTkacz201205_X000856	JGIv7b.000033905_3475663-3497233+	24.2368	61.8083	2.5502
sall1	c.Taira201203st12_X000017	JGIv7a.000020499_457812-477054-	22.8293	58.2017	2.5494
Unnamed	c.JGIL6RMv1_XeXenL6RMv10045282m	JGIv7b.000134683_139728-146370-	9.0590	23.0354	2.5428
pou3f4	c.Ismailoglu201203_X013681	NIGv2.S00002741_201687-204164-	25.0275	63.5705	2.5400
trib2	c.Audic201207_X032976	JGIv7b.000093416_6021763-6045133-	23.6942	59.6139	2.5160
whsc2	c.Quigley201212_X013424	JGIv7b.000024597_1013702-1040465+	13.2098	33.0104	2.4989
arid1a	c.TeperekTkacz201205_X002770	NIGv2.S00003103_73152-114642-	29.5769	73.8463	2.4968
lmo4.2-b	c.Chung201110_X003087	JGIv7b.000046073_3038757-3047978-	10.1933	25.4300	2.4948
trib2	c.Quigley201212_X052794	NIGv2.S00000877_812197-831768+	13.2232	32.9556	2.4923
ubqln4	c.Chang2013_X010550	JGIv7b.000026819_2815543-2828727-	12.9971	32.3520	2.4892
Unnamed	c.Ueno201210st12_X000337	JGIv7b.000074488_887627-894002-	23.9004	59.2367	2.4785

Unnamed	c.Taira201203kidney_X001646	JGIv7b.000011405_882624-883983+	13.5702	33.5521	2.4725
ptch2-a	c.Ueno201210eye_X002089	JGIv7b.000325141_1096289-1126340+	15.4473	38.1569	2.4701
pfkfb3	c.TXGP201107_X010066	NIGv2.S00000358_1134122-1185330-	19.2841	47.1570	2.4454
oct91	c.Chang2013_X041872	NIGv2.S00006607_4387-6427-	36.2537	88.4568	2.4399
lmbrd2	c.Quigley201212_X023738	JGIv7b.000052441_5992095-6032818+	106.5502	257.5500	2.4172
c11orf30	c.Taira201203st09_X003237	JGIv7b.000091476_208450-252040-	8.9767	21.6592	2.4128
rcor1	c.Quigley201212_X054339	NIGv2.S00002188_732253-737062+	8.4970	20.4393	2.4055
Unnamed	c.JGIL6RMv1_XeXenL6RMv10055418m	JGIv7b.000075417_5512673-5517835-	107.4469	258.1849	2.4029
Unnamed	c.Quigley201212_X054313	NIGv2.S00002168_444164-451470-	34.2927	82.2862	2.3995
foxk2	c.Ueno201210ovary_X000574	JGIv7b.000081941_2354504-2409334-	21.0510	50.3986	2.3941
dact1	c.Taira201203egg_X006008	JGIv7b.000133644_1074197-1080957-	9.7170	23.2297	2.3906
Unnamed	c.Taira201203heart_X000951	JGIv7b.000009528_1568246-1645156+	31.8513	75.7886	2.3794
id3	c.Chang2013_X038432	NIGv2.S00000216_613700-615900-	11.3546	27.0121	2.3790
zfp36l1	c.Amin201106_X000043	JGIv7a.000007480_2568139-2572061+	20.5958	48.8818	2.3734
map4	c.Taira201203intestine_X004747	JGIv7b.000053445_737885-787424-	10.5033	24.8984	2.3705
drosha	c.Taira201203kidney_X006805	JGIv7b.000057180_2913941-3058638-	13.6672	32.3242	2.3651
gne	c.Ismailoglu201203_X012865	JGIv7b.000373511_68411-106737+	11.0020	26.0031	2.3635
cdc25b-a	c.Quigley201212_X000025	JGIv7a.000001422_178764-193695-	28.8425	68.0692	2.3600
setd2	c.Taira201203lung_X005942	JGIv7b.000093635_127204-196840-	16.5585	39.0377	2.3576
ppp1r3c.2	c.TXGP201107_X005057	JGIv7b.000059267_644643-648131+	10.1840	24.0017	2.3568

fam126b	c.Ueno201210brain_X000726	JGIv7b.000020345_3471385-3524477+	26.8336	63.0466	2.3495
arhgap32	c.Ueno201210st09_X000818	JGIv7b.000166674_4168224-4317203+	8.9979	20.8858	2.3212
znf629	c.Quigley201212_X012224	JGIv7b.000021594_76004-85345+	23.7057	54.9712	2.3189
Unnamed	c.Taira201203eye_X014436	JGIv7b.000348341_234261-244738-	11.6437	26.9997	2.3188
znf214	c.Taira201203eye_X016061	NIGv2.S00005637_215-139265+	25.2816	58.6208	2.3187
wasl	c.Chang2013_X038876	NIGv2.S00000626_1526987-1553647+	13.1968	30.5086	2.3118
stc1	c.Chang2013_X017838	JGIv7b.000051940_55199-70780+	23.3812	53.9085	2.3056
dynll1-a	c.Audic201207_X053894	NIGv2.S00001717_2085-4762-	35.4705	81.6425	2.3017
ptgs2	c.Taira201203heart_X008958	NIGv2.S00003847_492214-500068-	56.6480	130.1663	2.2978
ube2d4	c.Quigley201212_X053841	NIGv2.S00001574_1842836-1872122+	26.7260	61.3726	2.2964
btn2a2	c.Taira201203lung_X009178	NIGv2.S00001157_142042-156195-	12.2795	28.1540	2.2928
pou3f1	c.Chang2013_X039997	NIGv2.S00001621_254496-259081+	101.3294	231.8456	2.2880
sall1	c.XenBase_288557289	JGIv7b.000062355_1954057-1972637-	31.2440	71.1769	2.2781
chmp2a	c.Taira201203brain_X018099	NIGv2.S00002094_484041-490219+	170.7952	388.4337	2.2743
yy1	c.Quigley201112_X024332	NIGv2.S00006278_257951-270087+	10.2783	23.3170	2.2686
cecr2	c.Quigley201212_X047146	JGIv7b.000256647_18135-55076-	32.8641	74.0801	2.2541
atxn7	c.JGIL6RMv1_XeXenL6RMv10027682m	JGIv7b.000034527_5612847-5683825-	10.9502	24.6251	2.2488
stox2	c.Taira201203st10_X001828	JGIv7b.000041523_5067666-5142739+	11.5881	25.9439	2.2388
far1	c.Audic201207_X051915	NIGv2.S00000264_1323508-1340505+	10.1219	22.6216	2.2349
ube2d4	c.Taira201203eye_X008955	JGIv7b.000079772_2548726-2578727-	50.2755	112.2598	2.2329

hnrnpa3	c.TeperekTkacz201205_X002644	NIGv2.S00000679_862568-872644+	27.0640	60.3490	2.2299
rbm42	c.Chang2013_X038988	NIGv2.S00000706_368369-371959-	19.3021	43.0323	2.2294
bcl9	c.TeperekTkacz201206_X005606	JGIv7b.000399803_808628-838129-	17.7098	39.4451	2.2273
Unnamed	c.Audic201207_X054489	NIGv2.S00002441_336305-342411-	42.2452	94.0868	2.2272
gsk3b	c.Ismailoglu201203_X012736	JGIv7b.000347078_467801-512129-	9.4309	20.9745	2.2240
myc	c.Taira201203st10_X004178	JGIv7b.000220448_3135106-3144671+	9.4095	20.8654	2.2175
epn2	c.JGIL6RMv1_XeXenL6RMv10054083m	JGIv7b.000023403_830890-855155-	9.3270	20.6344	2.2123
agmat	c.Taira201203kidney_X014957	NIGv2.S00003382_450731-459756+	135.6832	299.7416	2.2091
trib2	c.Taira201203st08_X004667	JGIv7b.000149890_3630763-3651560-	10.2601	22.6199	2.2046
arl5c	c.Chang2013_X038725	NIGv2.S00000489_675387-681630+	15.0996	33.2006	2.1988
dusp1	c.Taira201203egg_X003211	JGIv7b.000040421_1071568-1075235+	13.2712	29.1088	2.1934
xpo6	c.Taira201203lung_X009194	NIGv2.S00001302_1694751-1727610-	10.8690	23.7322	2.1835
ccdc160	c.Audic201207_X023147	JGIv7b.000050694_3511837-3515127+	14.9930	32.7115	2.1818
gprc5c	c.Taira201203kidney_X013921	JGIv7b.000402746_1345231-1435883+	31.0749	67.6397	2.1767
abhd15	c.Taira201203spleen_X004590	JGIv7b.000159212_666954-684116+	27.7830	60.4325	2.1752
cpeb2	c.Taira201203st08_X004644	JGIv7b.000146311_365282-431607-	22.5627	49.0477	2.1738
foxn2	c.Taira201203kidney_X014119	NIGv2.S00000336_697343-723349-	10.9898	23.8392	2.1692
c17orf63	c.Taira201203st10_X004970	NIGv2.S00001286_486423-489532+	11.9423	25.8967	2.1685
irx1-b	c.Quigley201112_X010920	JGIv7b.000057559_47731-52835-	43.9392	95.0270	2.1627
vgll4	c.Chang2013_X038473	NIGv2.S00000235_55778-83990+	13.8269	29.8266	2.1571

Unnamed	c.Chang2013_X039319	NIGv2.S00001027_700145-703404+	28.2810	60.7546	2.1482
ca14	c.Audic201207_X014301	JGIv7b.000026819_2924131-2951166+	28.4898	61.1891	2.1477
wee1	c.Quigley201112_X024162	NIGv2.S00004536_594552-602085-	11.7213	25.1513	2.1458
bcl9	c.Quigley201207_X014499	NIGv2.S00001884_287121-355017+	16.4442	35.1979	2.1404
rcor1	c.TeperekTkacz201206_X000017	JGIv7a.000035316_1783045-1816725-	11.3503	24.2337	2.1351
hnrnpa3	c.TeperekTkacz201205_X000128	JGIv7b.000004321_5551952-5566829+	34.0858	72.7073	2.1331
fbxl14	c.Quigley201112_X020416	JGIv7b.000256647_503440-506888+	20.6310	43.9913	2.1323
ube2r2	c.XGI_TC417190	JGIv7b.000169907_3865426-3906484+	15.4694	32.8665	2.1246
ptk7	c.XGI_TC413645	JGIv7b.000012020_13487131-13519155-	12.0053	25.4727	2.1218
crebbp	c.JGIL6RMv1_XeXenL6RMv10023475m	JGIv7b.000023403_3292998-3363583+	17.6768	37.4135	2.1165
bcl2l10	c.UniGene_Xl_S38754626	JGIv7b.000268638_1188020-1194009-	11.8015	24.9643	2.1154
c17orf63	c.Taira201203st25_X001759	JGIv7b.000036364_3720727-3756693+	17.1047	36.1783	2.1151
hsbp1	c.Quigley201212_X028699	JGIv7b.000073623_880266-886135-	9.7898	20.6956	2.1140
camsap3	c.Taira201203brain_X013982	JGIv7b.000171831_601330-667752-	15.0047	31.6251	2.1077
c5orf15	c.Audic201207_X011351	JGIv7b.000017836_1329301-1339385-	20.6991	43.6082	2.1068
zyx	c.Ueno201210egg_X001671	NIGv2.S00005625_22932-33324+	10.7014	22.5181	2.1042
hnrnpa0	c.Quigley201207_X013950	NIGv2.S00000330_13760-15405-	63.0393	132.6206	2.1038
nthl1	c.Chang2013_X000502	JGIv7b.000000939_5812622-5819049+	10.8854	22.8768	2.1016
cdc42ep4	c.Audic201207_X000266	JGIv7a.000026529_1333726-1360157-	23.9618	50.2469	2.0970
yy1	c.Amin201106_X024715	JGIv7b.000236382_2132334-2149616+	17.2966	36.2280	2.0945

rbms2	c.Taira201203heart_X001572	JGIv7b.000014978_741316-815694-	13.4658	28.1873	2.0933
fcn2	c.Taira201203kidney_X014553	NIGv2.S00001621_95963-100340+	15.7054	32.8185	2.0896
socs3	c.Chang2013_X039576	NIGv2.S00001202_808139-809025+	11.9453	24.9608	2.0896
notch3	c.Park201106_X020666	JGIv7b.000171831_680633-733284-	23.9387	49.9901	2.0883
mtmr12	c.Taira201203brain_X008129	JGIv7b.000052441_3224003-3289536-	12.6112	26.2785	2.0838
myc	c.Chang2013_X041270	NIGv2.S00003817_716984-719601-	10.2854	21.4074	2.0814
kat7	c.Audic201207_X000398	JGIv7a.000114687_92048-109859-	10.5603	21.9541	2.0789
cpeb2	c.Quigley201212_X048902	JGIv7b.000302805_852461-911282-	14.1992	29.4951	2.0772
etv3	c.Chang2013_X014268	JGIv7b.000041091_3521026-3559652-	30.2388	62.7711	2.0758
acox2	c.Taira201203kidney_X014616	NIGv2.S00001847_315152-339798+	104.7982	217.4043	2.0745
ythdf1	c.Park201106_X026056	NIGv2.S00000490_36311-54956+	14.2633	29.5875	2.0744
cd276	c.Audic201207_X052520	NIGv2.S00000663_600421-616317+	15.2381	31.5754	2.0721
dusp1	c.UniGene_Xl_S13684642	JGIv7b.000018892_2914011-2917473+	60.6040	125.4903	2.0707
pvrl2	c.mgEST_1013156428	JGIv7b.000015415_1114899-1158482-	12.7661	26.4188	2.0695
nipal2	c.JGIL6RMv1_XeXenL6RMv10046607m	JGIv7b.000062229_1668306-1719719+	11.5978	23.9774	2.0674
epn2	c.Taira201203heart_X000143	JGIv7b.000000939_6366228-6407171+	9.6915	20.0326	2.0670
xpo6	c.JGIL6RMv1_XeXenL6RMv10024008m	JGIv7b.000000939_3302786-3345374-	14.2783	29.4380	2.0617
fbxl14	c.Taira201203stomach_X001412	JGIv7b.000058790_797724-799268-	9.7719	20.1260	2.0596
gprc5c	c.Chang2013_X038888	NIGv2.S00000640_561649-567108-	15.3987	31.7129	2.0595
morn2	c.Chung201110_X007967	NIGv2.S00000914_155417-172394+	73.6071	151.3696	2.0565

etv3	c.Park201106_X026944	NIGv2.S00001986_445229-480997+	13.3906	27.5006	2.0537
Unnamed	c.Taira201203kidney_X009137	JGIv7b.000096766_2029557-2056237+	26.2860	53.9827	2.0537
crabp2	c.Taira201203egg_X003235	JGIv7b.000041091_3369386-3397974-	32.9315	67.5984	2.0527
gprc5c	c.Taira201203eye_X001105	JGIv7b.000007000_226270-261891-	26.7847	54.9696	2.0523
mtpn	c.Ismailoglu201203_X013530	NIGv2.S00001817_379754-413154-	12.5408	25.7129	2.0503
fam175b	c.Ueno201210lung_X000061	JGIv7b.000007555_8315111-8342779+	13.1648	26.9681	2.0485
smurf2	c.Quigley201212_X040698	JGIv7b.000163806_4832005-4880003+	16.1910	33.1417	2.0469
insm1	c.Taira201203egg_X002601	JGIv7b.000030080_2706723-2717676+	12.3749	25.3293	2.0468
wasl	c.Taira201203muscle_X001946	JGIv7b.000152894_1583166-1612835+	12.7715	26.1294	2.0459
cst3	c.Chang2013_X041680	NIGv2.S00005502_148526-151519-	312.6349	638.1722	2.0413
nipal2	c.Audic201207_X000377	JGIv7a.000077989_1066210-1117126+	12.8678	26.2239	2.0380
hp1bp3	c.Quigley201112_X018100	JGIv7b.000175822_18694-28456-	18.8010	38.2558	2.0348
csrnp1	c.Ismailoglu201203_X013425	NIGv2.S00001304_215673-231912-	13.2262	26.8968	2.0336
dyrk1b	c.Taira201203stomach_X001921	JGIv7b.000102557_219148-291907+	28.5283	57.9680	2.0319
c1orf192	c.XenBase_76779637	JGIv7b.000012462_2698157-2704657-	13.2497	26.8535	2.0267
scarb1	c.Audic201207_X041239	JGIv7b.000167265_511996-570757-	24.7949	50.1319	2.0219
u2af1	c.XGI_TC433037	JGIv7b.000347078_702320-709716+	51.6665	104.1000	2.0148
a2m	c.Ueno201210st10_X000172	JGIv7b.000007045_3704835-3735363+	44.5942	89.7551	2.0127
rasgrf2	c.Taira201203brain_X000420	JGIv7b.000001187_9573933-9723818-	11.2453	22.5369	2.0041
katnal1	c.Taira201203brain_X005558	JGIv7b.000031941_618220-655002-	11.4875	23.0102	2.0031
zfp36l2	c.Audic201207_X056261	NIGv2.S00006220_476386-483244-	138.9257	278.1678	2.0023

khsrp	c.Taira201203st10_X003887	JGIv7b.000175714_268495-294223-	41.8713	83.7986	2.0013
Unnamed	c.Park201106_X017595	JGIv7b.000108888_148572-173804-	23.1561	46.3297	2.0008

Table S28: Gene transcripts down regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Embryos were co-injected with *ifgfr1* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR1 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 20 and fold change ≤ 0.5 are classed as downregulated. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR1 uninduced (FPKM)	iFGFR1 induced (FPKM)	Fold change
krt12	c.XenBase_27696404	JGIv7b.000013265_3627584-3644405-	31.5659	5.9648	0.1890
slc12a3	c.TeperekTkacz201206_X004009	JGIv7b.000111469_66839-126398+	93.5969	18.5715	0.1984
krt12	c.Ueno201210st35_X000016	NIGv2.S00002938_233278-248330+	30.2043	7.3960	0.2449
Unnamed	c.Amin201106_X030176	NIGv2.S00005487_252198-256251+	5109.1873	1422.6918	0.2785
hesx1	c.JGIL6RMv1_XeXenL6RMv10033507m	JGIv7b.000033876_482101-485204-	395.8776	122.8530	0.3103
snrpg	c.Quigley201212_X009407	JGIv7b.000014870_225925-236198+	65.3771	20.5489	0.3143
hesx1	c.UniGene_Xl_S13589749	JGIv7b.000177844_181426-184575+	118.8266	40.0063	0.3367
ift172	c.Chung201110_X004537	JGIv7b.000080529_201168-231666+	96.7405	32.6154	0.3371
snrpg	c.Park201106_X000036	JGIv7a.000004727_1139488-1149380-	117.1607	39.6118	0.3381
fcgbp	c.JGIL6RMv1_XeXenL6RMv10026131m	JGIv7b.000085128_1034845-1064342+	27.3794	9.2620	0.3383
rbm8a	c.JGIL6RMv1_XeXenL6RMv10010425m	JGIv7b.000012462_1741658-1749852+	304.7190	105.2261	0.3453
otud6b	c.Chang2013_X039047	NIGv2.S00000764_1217817-1224831+	21.4959	7.5816	0.3527
hist2h3a	c.TeperekTkacz201206_X004021	JGIv7b.000111824_6775263-6775607-	1305.6820	463.0601	0.3547
snai1	c.Amin201106_X029102	NIGv2.S00001881_253774-258061+	38.1148	13.5507	0.3555
pitpnb	c.Ismailoglu201203_X007692	JGIv7b.000077809_130001-140882+	30.5390	10.9231	0.3577
krt-b	c.JGIL6RMv1_XeXenL6RMv10001064m	JGIv7b.000075417_6868747-6873173-	29.9400	10.8482	0.3623

ptma-a	c.Chang2013_X036024	JGIv7b.000293841_203483-206579+	2077.8307	758.6670	0.3651
rbm8a	c.Ueno2012106cells_X002372	NIGv2.S00002347_114737-122574+	186.8017	68.9553	0.3691
ppil1	c.Chang2013_X039410	NIGv2.S00001083_232616-234252-	78.5558	29.6548	0.3775
appl1	c.TeperekTkacz201206_X006093	NIGv2.S00005117_156006-183356-	574.5092	218.9395	0.3811
otud6b	c.JGIL6RMv1_XeXenL6RMv10002547m	JGIv7b.000022127_9001-21497-	82.6326	32.0615	0.3880
ag1-a	c.Amin201106_X000006	JGIv7a.000000472_483137-490848+	20.8332	8.1483	0.3911
tomm22	c.Chang2013_X040115	NIGv2.S00001865_407984-416289-	49.1361	19.7186	0.4013
brp44l-b	c.Quigley201212_X056153	NIGv2.S00005505_85388-93227-	99.0736	40.6134	0.4099
srp9	c.Amin201106_X027761	NIGv2.S00000024_616994-624649-	82.2873	33.8557	0.4114
cwc25	c.Quigley201112_X000013	JGIv7a.000002298_2384297-2389993+	56.1224	23.2892	0.4150
hes3.1	c.Chang2013_X039721	NIGv2.S00001322_2013951-2016303+	94.3272	39.2392	0.4160
hnrpdl	c.Taira201203st15_X003372	NIGv2.S00007280_40360-44246-	1155.8608	482.0355	0.4170
fam55d	c.Ismailoglu201203_X007979	JGIv7b.000083106_152889-161353+	133.5665	55.7225	0.4172
sgk494	c.Taira201203eye_X014978	NIGv2.S00000348_1620323-1629386+	159.5512	66.5998	0.4174
rpl21	c.Chung201110_X008136	NIGv2.S00001639_1135756-1148673-	37.9949	15.9618	0.4201
sgsm3	c.JGIL6RMv1_XeXenL6RMv10013744m	JGIv7b.000012423_2493250-2519259+	21.3468	8.9681	0.4201
cyp27c1	c.Amin201106_X021999	JGIv7b.000163806_9231441-9249066+	20.0626	8.5362	0.4255
tpmt	c.Audic201207_X053187	NIGv2.S00001069_373040-389472+	46.0073	19.5782	0.4255
ruvbl2	c.Ueno201210egg_X001199	JGIv7b.000139674_1787321-1801883+	66.8971	28.4723	0.4256
slc43a2	c.Audic201207_X051948	NIGv2.S00000285_12929-28718+	20.3315	8.7965	0.4327
snrpd1	c.Park201106_X000689	JGIv7b.000001268_1685868-1701614+	252.1828	110.0705	0.4365

rp5-977b1.10	c.Chang2013_X000311	JGIv7a.000078524_134965-145190+	41.3497	18.0842	0.4373
hnrpdl	c.JGIL6RMv1_XeXenL6RMv10001854m	JGIv7b.000058878_2007697-2013395-	853.0719	373.2590	0.4375
ppie	c.Ueno2012102cells_X001385	JGIv7b.000137317_2000210-2012876-	39.3222	17.2359	0.4383
hnrnph1-b	c.Taira201203egg_X006162	JGIv7b.000140825_732234-746785+	563.1237	247.7008	0.4399
Unnamed	c.Chang2013_X033037	JGIv7b.000208071_3368708-3370756+	101.9526	45.0534	0.4419
ldlrap1	c.Taira201203st30_X000390	JGIv7b.000007281_1927654-1960093+	58.8035	26.1040	0.4439
Unnamed	c.Taira201203st08_X004257	JGIv7b.000107078_130406-136077+	1222.5132	542.9924	0.4442
Unnamed	c.Quigley201207_X005310	JGIv7b.000044780_1693944-1705020-	388.1013	172.5891	0.4447
Unnamed	c.Amin201106_X019023	JGIv7b.000107347_2455544-2457909+	30.9973	14.0049	0.4518
rpl39	c.Quigley201212_X010080	JGIv7b.000015436_5400196-5404618-	436.3183	197.2768	0.4521
sfswap	c.Taira201203intestine_X010650	NIGv2.S00002754_425243-477210+	50.0634	22.6491	0.4524
arpc3	c.Quigley201112_X005662	JGIv7b.000025254_4581008-4592724+	28.8060	13.0373	0.4526
rpl27a	c.Chang2013_X035887	JGIv7b.000287959_146467-152199+	58.7648	26.6859	0.4541
mak16	c.Taira201203st15_X002384	JGIv7b.000139741_1526513-1535556-	58.3851	26.5301	0.4544
ndufb6	c.Quigley201207_X008771	JGIv7b.000090041_5628093-5636504+	31.3104	14.2867	0.4563
tuba1a-b	c.mgEST_1013155827	JGIv7b.000127187_1109513-1113080-	122.2271	55.7994	0.4565
coq4	c.Quigley201212_X017740	JGIv7b.000037448_288099-305397+	44.9488	20.5313	0.4568
eif4a3	c.Taira201203brain_X010967	JGIv7b.000089475_854935-897659-	650.4611	297.5799	0.4575
mfap1	c.Chang2013_X000051	JGIv7a.000006679_5732770-5737706+	85.8668	39.3029	0.4577
lsm5	c.Audic201207_X052452	NIGv2.S00000589_73817-77516-	49.2982	22.6043	0.4585

c12orf45	c.Ueno201210lung_X000864	NIGv2.S00004457_446048-448697+	72.2622	33.1372	0.4586
calcoco1	c.Ueno201210st10_X002327	NIGv2.S00002501_240558-264815-	302.0692	138.6244	0.4589
taf15	c.Taira201203stomach_X000009	JGIv7a.000016056_140368-162530+	200.8221	92.2361	0.4593
mdk	c.Chung201110_X002883	JGIv7b.000043483_642289-654640+	163.0937	74.9475	0.4595
med28	c.Amin201106_X024078	JGIv7b.000211652_19686-24020-	21.2494	9.8134	0.4618
c12orf45	c.JGIL6RMv1_XeXenL6RMv10031748m	JGIv7b.000005925_7519623-7523842-	30.1234	13.9366	0.4627
c11orf58	c.Chang2013_X038804	NIGv2.S00000548_1067259-1071887+	31.9342	14.7973	0.4634
hnrnph1-a	c.Audic201207_X022527	JGIv7b.000048253_786566-811362+	260.3539	120.6835	0.4635
arg1	c.Audic201207_X034514	JGIv7b.000102277_1378103-1389903+	221.9240	103.6961	0.4673
elof1	c.Chang2013_X000313	JGIv7a.000080025_251822-256641+	137.2163	64.3658	0.4691
timm17a	c.XGI_TC426996	JGIv7b.000003412_100742-108494-	20.1578	9.4621	0.4694
pkdcc.2	c.Ueno201210brain_X000869	JGIv7b.000027036_317796-362184+	50.2603	23.6098	0.4698
med9	c.Chang2013_X022043	JGIv7b.000074548_369381-382000+	80.5855	37.9435	0.4708
eif3j	c.Chang2013_X000153	JGIv7a.000021089_540005-554241+	185.3973	87.3993	0.4714
anp32a	c.Quigley201212_X053357	NIGv2.S00001260_397655-405232-	1573.0365	741.6235	0.4715
rbm8a-a	c.Quigley201112_X023672	NIGv2.S00002567_199325-202713-	152.0879	71.7586	0.4718
tmed8	c.Chang2013_X035983	JGIv7b.000289484_244094-252300-	29.2482	13.8365	0.4731
znf622	c.Quigley201112_X002635	JGIv7b.000011199_1862234-1874227+	32.6924	15.4679	0.4731
c8orf40	c.Amin201106_X030036	NIGv2.S00004598_559626-561767-	33.9181	16.0889	0.4743
mrto4	c.Chung201110_X000032	JGIv7a.000015632_608771-614811-	33.1739	15.8039	0.4764
pcbd1	c.Chang2013_X040476	NIGv2.S00002416_67527-72806-	34.5055	16.4836	0.4777

rpf1	c.Quigley201207_X003442	JGIv7b.000024235_1715202-1728596-	59.4431	28.4227	0.4781
cwc25	c.Quigley201207_X014220	NIGv2.S00001027_981847-988229-	24.5012	11.7164	0.4782
ppan-b	c.XGI_TC418418	NIGv2.S00006828_10160-16544-	34.6209	16.5739	0.4787
h2afj	c.Ueno2012104cells_X000824	JGIv7b.000074488_1286181-1298618-	966.9970	463.5396	0.4794
hnrnpa1	c.Taira201203brain_X012675	JGIv7b.000133382_406820-446822+	300.5880	144.1019	0.4794
pitpnb	c.Taira201203egg_X008593	NIGv2.S00003591_314926-322588-	68.9694	33.2262	0.4818
glrx	c.JGIL6RMv1_XeXenL6RMv10028215m	JGIv7b.000001187_4083787-4090024+	80.5208	38.8042	0.4819
psma6	c.Amin201106_X028078	NIGv2.S00000310_1532898-1544931-	22.4443	10.8180	0.4820
eif3b	c.Quigley201112_X000049	JGIv7a.000009276_5375917-5396714+	60.1408	29.0484	0.4830
lrat	c.Taira201203eye_X009949	JGIv7b.000099286_446614-459327+	25.7595	12.5521	0.4873
cwc25	c.Quigley201212_X029323	JGIv7b.000075417_5226786-5234433+	67.4561	32.8892	0.4876
brp44l-b	c.Quigley201212_X055387	NIGv2.S00003499_362848-370856+	26.1988	12.7886	0.4881
h3f3a	c.Quigley201212_X051737	NIGv2.S00000233_993527-1000649+	62.7716	30.7034	0.4891
snrnp70	c.Amin201106_X027634	JGIv7b.000402746_367479-382531+	718.1639	351.7557	0.4898
mrps26	c.Quigley201212_X000390	JGIv7a.000106822_27276-34467+	74.4195	36.4545	0.4899
hnrnph1-a	c.Chang2013_X000118	JGIv7a.000015444_3784852-3807177-	173.9813	85.3229	0.4904
rpl10a	c.Chang2013_X000250	JGIv7a.000044917_626050-629118+	45.7362	22.4577	0.4910
hnrnpk	c.Taira201203st40_X001865	JGIv7b.000086871_2140635-2152595-	244.3825	120.3480	0.4925
polr2l.1	c.XGI_TC463547	JGIv7b.000021980_2317439-2319477-	72.5700	35.7414	0.4925
srp9	c.XenBase_148234311	JGIv7b.000102974_5193679-5201441-	68.2796	33.7224	0.4939
gnb3	c.Quigley201112_X013169	JGIv7b.000079772_5446576-5470832+	105.3849	52.0506	0.4939

hnrnph1-b	c.Amin201106_X029551	NIGv2.S00002804_295426-309569+	407.8659	201.5045	0.4940
rbm8a-a	c.Taira201203ovary_X003602	JGIv7b.000046492_203712-208136-	436.6255	215.9593	0.4946
Unnamed	c.Ismailoglu201203_X004665	JGIv7b.000039723_1326545-1329420+	47.9698	23.7999	0.4961
snai1	c.Chang2013_X006472	JGIv7b.000014557_4834444-4838640+	25.7594	12.7815	0.4962
cirbp	c.mgEST_1013253913	JGIv7b.000039437_1967966-1973134+	2204.3623	1094.8074	0.4967
atpif1	c.Audic201207_X015667	JGIv7b.000030711_1529347-1537950+	29.7338	14.7930	0.4975
anp32a	c.Taira201203liver_X003877	JGIv7b.000325448_345352-354714-	1127.8675	562.3876	0.4986
hist2h2ab	c.Chang2013_X035898	JGIv7b.000287959_3113019-3114049+	2379.6524	1187.6763	0.4991
pin4	c.Chang2013_X013351	JGIv7b.000036864_3174743-3179026+	40.5000	20.2346	0.4996

Table S29: Gene transcripts up regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR4, when filtered using high stringency criteria. Embryos were co-injected with *ifgfr4* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR4 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 20 and fold change ≥ 2 are classed as up regulated. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR4 uninduced (FPKM)	iFGFR4 induced (FPKM)	Fold change
acly	c.Park201106_X026788	NIGv2.S00001609_104960-120704-	24.59380216	1092.441081	44.41936524
padi2	c.JGIL6RMv1_XeXenL6RMv10033213m	JGIv7b.000036295_1002602-1023208-	11.46459748	349.8466242	30.51538658
mrrf	c.TeperekTkacz201206_X001915	JGIv7b.000034020_290760-308242+	146.2343517	4181.67557	28.59571312
oc90	c.Audic201207_X046308	JGIv7b.000237598_3434997-3462319+	1.005099935	27.31672999	27.17812332
hba1	c.Taira201203st30_X003398	JGIv7b.000120240_1982132-1984062-	36.44983252	892.6481014	24.48977237
mark4	c.Taira201203st40_X003255	NIGv2.S00005156_627695-652388+	1.356992525	33.08251728	24.3792922
slc25a4	c.Taira201203eye_X000097	JGIv7a.000093157_254175-263290-	102.0986098	2315.015293	22.67430768
acpp	c.Amin201106_X027648	JGIv7b.000402746_3620395-3649238+	1.448241815	23.95181615	16.53854758
padi2	c.TeperekTkacz201206_X006137	NIGv2.S00007245_10058-34147+	18.03000583	283.4469939	15.72084871
appl1	c.TeperekTkacz201206_X006093	NIGv2.S00005117_156006-183356-	434.6531123	6530.099399	15.0237033
carhsp1	c.Amin201106_X007374	JGIv7b.000026364_2644128-2662567+	158.9135546	1547.983437	9.741040919
tmem170a	c.Chang2013_X000256	JGIv7a.000046584_90909-94009+	2.906951877	20.12606147	6.92342437
ift172	c.Chung201110_X004537	JGIv7b.000080529_201168-231666+	135.3366092	879.7619973	6.500547063
nqo1	c.Chung201110_X008036	NIGv2.S00001215_83829-96206+	62.38650091	396.3533936	6.353191601
ccnb2	c.Taira201203kidney_X007160	JGIv7b.000059883_2168606-2176741-	9.972633192	63.30216977	6.347588301
mcmbp	c.Amin201106_X029621	NIGv2.S00002933_255375-265588-	225.6665971	1387.538826	6.148622986

slc12a3	c.TeperekTkacz201206_X004009	JGIv7b.000111469_66839-126398+	70.84992214	385.4631118	5.440558016
cxorf56	c.Amin201106_X019451	JGIv7b.000118020_87186-102070-	334.343047	1732.45887	5.18168057
loc733728	c.TXGP201107_X003099	JGIv7b.000032511_552358-563142-	7.425861975	37.89184268	5.1026861
krtcap3	c.Amin201106_X030131	NIGv2.S00005238_57878-69325-	86.85630214	437.9930978	5.042732502
rpain	c.Quigley201212_X030162	JGIv7b.000078587_11116-16776-	6.022915997	28.64168225	4.755451059
fbxw4	c.Chang2013_X020551	JGIv7b.000061874_688873-700001+	42.09131039	199.1168269	4.730592254
frs3	c.Chang2013_X004216	JGIv7b.000009994_1616589-1623506-	8.761152147	40.71549246	4.647276041
btg4	c.Chang2013_X009395	JGIv7b.000022415_971677-979129+	6.189779392	28.222295	4.559499332
fbxw4	c.TXGP201107_X008690	JGIv7b.000229192_45786-59219-	5.857450125	26.52683825	4.528734805
zfp36l2.2	c.Taira201203ovary_X008832	NIGv2.S00001851_569924-571028-	6.055984388	26.34448248	4.350156935
nedd9	c.Taira201203heart_X003857	JGIv7b.000051654_212436-234627-	8.563723097	37.01311016	4.322081615
zfp36l2.1	c.XGI_TC430515	JGIv7b.000135227_332714-333830-	7.011320527	29.91193748	4.266234493
ccdc117	c.Quigley201212_X013638	JGIv7b.000025254_710672-715717+	5.774510481	24.21010317	4.192581042
c13orf15	c.Taira201203st08_X000568	JGIv7b.000008129_2441581-2449217+	22.3358745	92.39420632	4.136583338
tubg1	c.Taira201203st08_X005764	JGIv7b.000299261_13498-37695+	4.869495853	20.0144635	4.110171587
fbxo43	c.XenBase_6503026	JGIv7b.000062229_366739-380003-	5.940261513	24.33467229	4.096565822
spsb1	c.Quigley201212_X027248	JGIv7b.000065414_48610-67548+	23.67328052	94.32786104	3.984570747
rad51c	c.Audic201207_X047344	JGIv7b.000267344_485231-528871+	5.75653869	22.64320238	3.933475236
rpain	c.Audic201207_X056654	NIGv2.S00009752_11246-16158-	5.19438942	20.34655023	3.917024426
oat.1	c.Audic201207_X000047	JGIv7a.000002565_100020-118676-	8.37998735	32.60828568	3.891209416
spsb1	c.Audic201207_X052320	NIGv2.S00000512_649491-655558+	12.1887424	47.40520635	3.889261484

hs3st1	c.Audic201207_X049021	JGIv7b.000302805_1842714-1856319+	6.341996311	24.33606989	3.83728856
klf2	c.Amin201106_X028950	NIGv2.S00001538_159234-162660-	6.088568565	22.88656942	3.758940903
oat.1	c.Ueno201210egg_X000339	JGIv7b.000016863_8494863-8513971-	14.27873166	52.8348356	3.700247113
ier5	c.Chung201110_X003630	JGIv7b.000053263_7195493-7198049-	40.30128249	148.2340257	3.678146614
ddx39b	c.Amin201106_X015857	JGIv7b.000075398_1100580-1119081-	27.50986638	101.0461979	3.673089374
ssx2ip	c.XenBase_148236336	JGIv7b.000024235_1612955-1629872+	10.5022226	38.37043455	3.653553731
not-b	c.Quigley201212_X014344	JGIv7b.000027038_130890-133875+	6.912381222	24.93979519	3.607988968
patl2	c.TXGP201107_X000601	JGIv7b.000006590_5196886-5213377+	20.88353347	75.2433997	3.603001371
morn2	c.Chung201110_X007967	NIGv2.S00000914_155417-172394+	81.04851055	287.6168048	3.54869945
ndufb8	c.Chung201110_X008334	NIGv2.S00003140_77811-90953-	59.54740561	210.4413768	3.534014196
mob3c	c.Taira201203lung_X009424	NIGv2.S00003101_168454-201204+	9.650489988	33.33613959	3.45434684
sgk1	c.Taira201203ovary_X003188	JGIv7b.000039762_1596878-1614597+	40.80199682	139.9954821	3.431093892
klf2	c.Taira201203brain_X016955	JGIv7b.000357348_471871-475471+	23.7127261	80.90264537	3.411781717
spsb1	c.Audic201207_X027549	JGIv7b.000066475_149868-163046-	19.45311466	65.17904021	3.350570917
pdia3	c.Amin201106_X018916	JGIv7b.000106789_1878320-1894173-	62.32965888	208.5832203	3.346452139
map1lc3c	c.Chang2013_X020661	JGIv7b.000062432_227149-233998+	31.25841433	104.4124525	3.340299075
cdca7	c.Chang2013_X016983	JGIv7b.000049342_728889-735053+	42.26160703	141.0861068	3.338399004
rgs4	c.Taira201203st10_X003952	JGIv7b.000181903_1352400-1362094-	21.12385031	70.34879483	3.330301712
vangl2	c.Ueno201210egg_X000601	JGIv7b.000041091_1975712-2030640+	85.34569039	283.9017062	3.326491413
acp5	c.Taira201203kidney_X013179	JGIv7b.000293151_553972-582745-	8.419200661	27.59040168	3.2770809
hprt1	c.Audic201207_X000424	JGIv7a.000173084_689290-706846+	6.318786527	20.57773423	3.256595889

ccna1	c.Quigley201212_X032721	JGIv7b.000091366_786361-795530+	44.05334384	142.9822668	3.245662063
rnf138	c.Chang2013_X040712	NIGv2.S00002774_218588-228009-	21.65006722	70.13757936	3.239600998
spsb1	c.Taira201203eye_X015081	NIGv2.S00000590_555846-572578+	15.69200309	50.75016479	3.234141908
ccna1	c.Chang2013_X041006	NIGv2.S00003350_160219-168990-	30.8311464	99.51466258	3.227731505
c13orf15	c.Ueno2012102cells_X002033	NIGv2.S00002917_490529-498077-	8.474538762	27.25949982	3.216635216
siva1	c.Ueno201210st10_X001965	JGIv7b.000230550_3128515-3134801-	16.81966727	53.72050194	3.193909907
oct60	c.Ueno201210st12_X000686	NIGv2.S00001621_270628-275793+	23.89768924	76.07473276	3.183350993
spdyc-b	c.mgEST_1013156593	JGIv7b.000021980_494497-503231+	30.01810307	95.44901095	3.179714945
csnk1e	c.Audic201207_X054625	NIGv2.S00002589_664278-702891-	14.66646523	46.18271838	3.148864954
dnajb14	c.Park201106_X027317	NIGv2.S00002782_21805-25261+	11.75565625	36.8987438	3.138807653
ccnb1	c.JGIL6RMv1_XeXenL6RMv10035758m	JGIv7b.000220499_647410-652378+	64.13737027	200.3619796	3.123950652
tnfsf11	c.XGI_TC415993	JGIv7b.000014978_7271141-7282475-	10.89665913	34.03868764	3.123772823
mb21d2	c.Taira201203lung_X008661	JGIv7b.000343860_21109-84677+	9.066956698	28.01235556	3.089499211
tbp	c.TXGP201107_X008044	JGIv7b.000176005_572262-579759+	17.35405548	53.53301774	3.084755479
btg4	c.UniGene_Xl_S14220550	JGIv7b.000078584_1125227-1127450-	39.98205105	122.7988284	3.071348896
ccna1	c.Quigley201212_X043616	JGIv7b.000200825_2199521-2208550+	71.65461764	218.6518471	3.051469038
reep6	c.Quigley201212_X056701	NIGv2.S00013727_36150-40518+	14.65736552	44.45269909	3.032789148
tmem171	c.Taira201203st08_X000113	JGIv7b.000001187_10908794-10923559+	6.979245696	20.93450417	2.999536782
klhdc10	c.Ueno201210st10_X000317	JGIv7b.000012518_8258085-8291189+	7.809780804	23.4223536	2.999105121
romo1	c.Ueno2012106cells_X002149	JGIv7b.000345631_1246002-1250872-	26.88941886	79.73245298	2.965198072
aktip	c.JGIL6RMv1_XeXenL6RMv10028853m	JGIv7b.000046631_26538-48284-	7.773173112	22.94731178	2.952116394

ccnb1	c.Ueno201210st09_X001000	NIGv2.S00000097_65075-71908-	112.0089699	328.4513495	2.932366487
Unnamed	c.TXGP201107_X003472	JGIv7b.000037448_486318-492292-	37.12771905	108.8194637	2.930949342
cited2	c.TXGP201107_X010770	NIGv2.S00004977_24236-61333+	16.04863952	47.00872929	2.92914108
hmgcs1	c.UniGene_Xl_S21504278	JGIv7b.000337825_1326128-1347570-	8.05360853	23.36252077	2.900876133
socs1	c.Audic201207_X013974	JGIv7b.000026364_1320827-1325223+	8.309206851	23.9904689	2.887215269
tbp	c.Quigley201207_X000083	JGIv7a.000042089_691873-698741+	25.75917796	73.96357793	2.871348536
hes2	c.Audic201207_X032154	JGIv7b.000087017_2605107-2607011+	15.2517352	43.23564058	2.834801418
ssx2ip	c.Taira201203testis_X004428	NIGv2.S00003758_882-23956+	10.4601472	29.64181145	2.833785308
dnajc9	c.Chang2013_X020957	JGIv7b.000067143_57774-64661+	9.34562825	26.40913436	2.825827612
cited2	c.Taira201203lung_X000289	JGIv7b.000003036_19-1129-	14.66934049	41.40815225	2.8227685
pim3	c.Audic201207_X035421	JGIv7b.000108224_328683-333812+	32.89659666	92.77156965	2.820096274
csnk1e	c.Chang2013_X036098	JGIv7b.000298452_154108-193571+	16.87862131	46.87311088	2.777069881
cdc42ep2	c.XGI_TC420969	NIGv2.S00001851_175281-196075+	7.634594923	21.15991815	2.771583609
zar1l	c.JGIL6RMv1_XeXenL6RMv10004417m	JGIv7b.000200825_707245-714280-	13.33836618	36.93549469	2.769116861
ccnb1	c.Chang2013_X038225	NIGv2.S00000078_323966-328917+	42.43722945	116.7835132	2.751911817
tmem57	c.XenBase_59897110	JGIv7b.000167390_21266-49398-	14.97001707	41.09513566	2.745162913
uap1	c.TeperekTkacz201206_X004667	JGIv7b.000181903_1492576-1508305-	38.50074408	105.611685	2.743107635
rad51d	c.XGI_TC421430	JGIv7b.000267344_1554170-1569938+	12.08415383	33.06600715	2.736311339
ssx2ip	c.XGI_TC451478	JGIv7b.000137809_1838967-1862244+	20.58730848	56.26946432	2.733211307
btg4	c.TeperekTkacz201202_X000972	JGIv7b.000185843_399483-403249+	88.83051976	241.1268656	2.714459695
rassf3	c.Taira201203spleen_X000358	JGIv7b.000005925_322282-417925+	12.62554944	34.1888164	2.707907213

rbm24	c.Ueno2012104cells_X001046	JGIv7b.000121479_384572-396468+	28.11063908	76.11596735	2.7077281
chmp1a	c.Quigley201212_X051081	JGIv7b.000398601_1827-11556-	11.72922181	31.69696453	2.702392797
ttc5	c.Taira201203lung_X008868	NIGv2.S00000077_302823-308542-	25.76934436	69.43198031	2.694363479
zfand2a	c.TXGP201107_X001035	JGIv7b.000009994_8681051-8693755+	14.21333356	38.25710415	2.691634864
parp15	c.Chang2013_X009064	JGIv7b.000021603_9359704-9378965+	17.55827082	47.20947079	2.688731212
ccdc71l	c.Audic201207_X007670	JGIv7b.000012518_17921341-17924686-	10.66792052	28.08226232	2.632402658
hba1	c.Ueno201210st12_X000456	JGIv7b.000120240_2034592-2044970-	48.01924441	126.2529527	2.62921573
snx10	c.Taira201203st30_X005028	NIGv2.S00001230_520830-547530-	13.72453551	35.99538473	2.622703311
fbxo33	c.JGIL6RMv1_XeXenL6RMv10005326m	NIGv2.S00002809_366619-381083+	8.848421339	23.10801445	2.611540925
ccnb1	c.Chang2013_X012184	JGIv7b.000032212_7697205-7707852-	115.1349483	300.4724629	2.60974159
cdc6	c.Ueno2012104cells_X000219	JGIv7b.000013265_3282967-3290855+	28.17950958	73.44360953	2.606277066
Unnamed	c.Audic201207_X036836	JGIv7b.000125077_505053-507505+	12.72231893	33.08379501	2.600453202
cox5b.2	c.mgEST_1013088791	JGIv7b.000203187_564639-572568-	18.66866595	48.51778144	2.59888851
rif1	c.UniGene_Xl_S60885257	JGIv7b.000004321_14052078-14104109-	39.12630693	101.6511785	2.598026405
gng4	c.Audic201207_X030250	JGIv7b.000078860_1059213-1082845+	9.131122485	23.62507671	2.587313526
dusp22	c.UniGene_Xl_S20755577	JGIv7b.000274508_1364859-1406902-	18.6620114	48.2758784	2.586852904
aldh2	c.JGIL6RMv1_XeXenL6RMv10040201m	JGIv7b.000025254_4358924-4376397+	17.13744276	44.23486789	2.581182532
depdc4	c.Audic201207_X034415	JGIv7b.000100253_3192496-3205330-	11.82522615	30.45706458	2.575601024
map3k8	c.Quigley201212_X011244	JGIv7b.000017434_1193394-1216661-	8.451328764	21.69750922	2.567348855
lmbrd2	c.Quigley201212_X023738	JGIv7b.000052441_5992095-6032818+	76.04935843	193.7528664	2.547725193
Unnamed	c.Taira201203st30_X000113	JGIv7b.000002049_1721239-1731925+	13.05508345	33.25367146	2.547181838

vldlr	c.Taira201203pancreas_X000032	JGIv7a.000080722_111668-153982-	8.776401463	22.34170381	2.545656543
prdx2	c.XGI_TC424241	JGIv7b.000055171_763313-771105+	17.54904487	44.52108786	2.536952192
zar1l	c.Chang2013_X012320	JGIv7b.000032686_37650-40879+	9.803687857	24.77709846	2.52732429
fabp4	c.JGIL6RMv1_XeXenL6RMv10008819m	JGIv7b.000022127_2889081-2897540+	39.46759341	99.63072184	2.524367798
snx7	c.mgEST_1013252172	JGIv7b.000120545_1486943-1527899+	31.08905652	78.45147954	2.523443562
znf337	c.Audic201207_X007264	JGIv7b.000012518_12603145-12616647+	17.48180715	44.05115859	2.519828655
mcm3	c.Chang2013_X041194	NIGv2.S00003605_154458-175768+	10.5165596	26.46332879	2.516348482
prrg1	c.Chang2013_X038519	NIGv2.S00000267_3222777-3223253+	12.51454997	31.47643325	2.515186988
dnajb14	c.TXGP201107_X007950	JGIv7b.000167800_1369425-1389999-	17.02402723	42.64911915	2.505230905
haus4	c.UniGene_Xl_S25080848	JGIv7b.000013576_6346487-6359893-	8.002921573	20.04372202	2.504550599
tmem87b	c.JGIL6RMv1_XeXenL6RMv10050078m	JGIv7b.000012020_171705-199015-	10.56192515	26.41075676	2.500562765
mfn2	c.Taira201203brain_X011919	JGIv7b.000108577_389256-418397+	10.46181212	26.01983965	2.487125496
chp	c.XenBase_148236366	JGIv7b.000218195_2686150-2715482-	29.79625674	74.02750801	2.484456643
gtpbp6	c.XenBase_147902717	JGIv7b.000190664_974475-996894-	9.705552844	24.07353941	2.480388268
tmem57	c.Ismailoglu201203_X005490	JGIv7b.000047026_493573-514727-	16.55056715	40.95861446	2.474755945
klf2	c.Chang2013_X039910	NIGv2.S00001484_754702-758538-	14.56231576	35.76203651	2.455793233
znf300	c.Chang2013_X033558	JGIv7b.000223728_307126-310308+	62.43422251	153.2631869	2.454794514
foxr1	c.Ueno2012102cells_X001757	JGIv7b.000287959_3065662-3085561-	9.079658499	22.2824701	2.45410883
ccdc117	c.Taira201203brain_X018472	NIGv2.S00003454_691237-706773+	14.10919094	34.60162108	2.452417096
tmem57	c.Audic201207_X054695	NIGv2.S00002689_26954-54534-	14.13177533	34.51721018	2.442524691
tbp	c.Taira201203st08_X002042	JGIv7b.000034423_1781424-1792792-	33.26164937	81.20291094	2.44133747

pparg	c.XenBase_38014780	NIGv2.S00003119_62006-98298-	13.03327027	31.80050551	2.439948291
rpain	c.TeperekTkacz201202_X001249	NIGv2.S00003419_1262929-1270325+	19.05343319	46.45895832	2.438351024
grem1	c.Chang2013_X019154	JGIv7b.000055171_175894-179028-	19.30651501	47.05327197	2.437170662
golt1b	c.Amin201106_X030315	NIGv2.S00006552_75449-79526+	98.04781844	238.7718043	2.435258714
snx10	c.Taira201203st10_X003152	JGIv7b.000099185_1240707-1267816-	13.08458969	31.85193399	2.434308965
mapkbp1	c.Taira201203st20_X003459	JGIv7b.000091950_1425037-1512178-	9.76792429	23.74156391	2.430563875
c13orf15	c.Taira201203st25_X000983	JGIv7b.000014978_7745525-7756248-	34.48888438	83.654952	2.425562714
Unnamed	c.Taira201203pancreas_X002475	JGIv7b.000162663_1276806-1284586+	12.69521996	30.77403888	2.424065041
kiaa1715	c.Taira201203ovary_X003305	JGIv7b.000043242_3715591-3743210-	11.36709434	27.53874609	2.422672433
liph	c.Taira201203st08_X000725	JGIv7b.000011316_5046664-5065548+	36.15845658	87.58251566	2.422186231
ift80	c.Taira201203eye_X007534	JGIv7b.000058517_537936-609979-	10.04352418	24.23829636	2.413325833
cebpg	c.TXGP201107_X010361	NIGv2.S00001380_2151666-2162683+	16.49553725	39.80820703	2.413271325
kiaa0355	c.Ueno201210egg_X001390	JGIv7b.000249035_666016-723445+	16.4685942	39.69338982	2.410247611
b3gnt4	c.Audic201207_X051181	JGIv7b.000395028_1045564-1051878-	9.394591268	22.56540802	2.4019574
vldlr	c.Taira201203st09_X005031	NIGv2.S00001139_956359-998411+	9.390306504	22.43637668	2.389312496
trim14	c.UniGene_Xl_S14219872	JGIv7b.000074488_1497018-1508582+	278.987694	666.5053457	2.389013422
chmp7	c.Taira201203kidney_X003977	JGIv7b.000027313_20393-37906-	13.20922939	31.53901771	2.387650087
Unnamed	c.Taira201203brain_X018123	NIGv2.S00002155_161459-164407-	55.1592549	131.633515	2.386426633
cep76	c.XenBase_50415151	JGIv7b.000044494_955783-969852-	12.38901933	29.56363905	2.386277578
grem1	c.JGIL6RMv1_XeXenL6RMv10044253m	JGIv7b.000049557_885127-888412+	67.77897082	161.5650895	2.383705264
tnfaip8l3	c.Taira201203st09_X000012	JGIv7a.000034489_243009-275525+	10.90646489	25.98907801	2.382905759

nuak2	c.Taira201203st09_X001916	JGIv7b.000042281_572864-587643-	11.049489	26.32301931	2.382283861
atl2	c.Ismailoglu201203_X008265	JGIv7b.000089475_625731-671428-	10.75489577	25.61173933	2.381402839
mb21d2	c.Ueno201210kidney_X000605	JGIv7b.000030987_4116087-4174199+	9.83894825	23.35997837	2.374235312
ism1	c.TeperekTkacz201202_X000139	JGIv7b.000012020_11809576-11845053-	20.63214057	48.89176052	2.369689192
dnajc9	c.Amin201106_X030268	NIGv2.S00006259_56963-63694+	14.38969149	34.08586774	2.368769878
pif1	c.JGIL6RMv1_XeXenL6RMv10012147m	JGIv7b.000067962_340725-351534-	17.88617605	42.36768055	2.368738875
tceb2	c.Quigley201212_X053864	NIGv2.S00001595_114830-125047-	76.00757014	179.7916946	2.365444577
slc18a2	c.XGI_TC416830	JGIv7b.000139741_1438356-1457109+	20.20208229	47.6371288	2.358030628
ccdc68	c.Chang2013_X041113	NIGv2.S00003474_201149-229730-	14.80749757	34.91248128	2.357757015
aco2	c.Amin201106_X028808	NIGv2.S00001315_1221169-1241309+	18.91205892	44.58867205	2.357684705
asah1	c.Ueno201210kidney_X000360	JGIv7b.000014692_1013133-1027615-	9.542543637	22.46172241	2.353850637
tradd	c.XenBase_80476542	JGIv7b.000039730_747516-755792-	10.1275334	23.81758379	2.351765514
fbxo33	c.Taira201203testis_X002170	JGIv7b.000060526_305288-320039-	8.781463324	20.61404913	2.347450348
pim3	c.Quigley201212_X039731	JGIv7b.000152894_17327-23415-	24.36066026	57.15423312	2.346169296
fam177a1	c.Amin201106_X025404	JGIv7b.000265107_1397790-1409483+	26.58443746	62.31315854	2.343971304
rnf8	c.Ueno2012102cells_X001705	JGIv7b.000256136_750566-757156+	14.72078127	34.50368304	2.343875805
c19orf44	c.Ismailoglu201203_X008318	JGIv7b.000090041_5824040-5831999-	13.86169851	32.32720752	2.332124559
depdc7	c.Quigley201112_X010106	JGIv7b.000051988_3615759-3631460+	19.14388344	44.59932665	2.32969067
gramd3	c.Taira201203eye_X014301	JGIv7b.000332973_1550687-1602350-	136.6730254	317.650264	2.324162087
b9d2	c.Park201106_X008957	JGIv7b.000039723_9341434-9344109+	16.12609393	37.47278396	2.323735936
c14orf109	c.Taira201203liver_X001461	JGIv7b.000039723_1331764-1339011-	18.40585333	42.72498566	2.321271657

bfar	c.XGI_TC418564	JGIv7b.000009994_1592416-1612079-	28.33439536	65.72133874	2.319489719
gpkow	c.Audic201207_X050801	JGIv7b.000376231_14717-32725-	14.90260436	34.53608843	2.317453218
atl2	c.Quigley201212_X042339	JGIv7b.000180104_1646919-1703974-	15.83700474	36.65738266	2.314666394
ppp3cb	c.TeperekTkacz201205_X002740	NIGv2.S00002235_42396-71421-	12.74204197	29.46438923	2.312375779
cry1	c.Quigley201212_X021579	JGIv7b.000047533_5654488-5685330+	14.89202189	34.3923514	2.309448082
kiaa1430	c.Audic201207_X009394	JGIv7b.000014692_3117130-3143167+	10.25049518	23.62275225	2.304547424
klf2	c.Chang2013_X024699	JGIv7b.000090041_5944553-5947244-	10.51685293	24.23399278	2.304300816
insm1	c.Taira201203egg_X002601	JGIv7b.000030080_2706723-2717676+	17.1259385	39.3823131	2.299571092
inf2	c.Taira201203egg_X000036	JGIv7a.000045701_886559-897689-	9.593496486	22.03369995	2.296732999
zar1l	c.Quigley201212_X052090	NIGv2.S00000409_274016-281048-	11.04970492	25.33929539	2.293210142
birc5.1-b	c.Taira201203egg_X005990	JGIv7b.000133382_1856472-1859157-	43.8649954	100.5342937	2.291902525
rab21	c.UniGene_Xl_S17527732	JGIv7b.000237412_340926-357427-	36.95373074	84.62778392	2.290101222
kiaa0494	c.Taira201203egg_X007574	JGIv7b.000276272_1637656-1653939-	10.56192515	24.16440624	2.287878951
arhgap18	c.XGI_TC418315	NIGv2.S00001447_15280-42007+	14.01793829	32.03440205	2.285243477
eif1	c.Quigley201112_X023222	NIGv2.S00001391_645171-647700-	101.4071812	231.2253021	2.280166941
got2	c.Taira201203kidney_X005782	JGIv7b.000046631_4459177-4487259+	12.70351366	28.90859399	2.275637651
uap1	c.Quigley201112_X009177	JGIv7b.000047606_5100243-5116395+	19.78661086	44.99762622	2.274145206
cntd2	c.Chang2013_X013950	JGIv7b.000039723_10740931-10751009+	11.77902817	26.71852031	2.268312795
apcdd1	c.Taira201203st12_X000026	JGIv7a.000076743_249861-255532+	9.70518236	21.98980695	2.265779883
fam134c	c.Taira201203intestine_X010356	NIGv2.S00001030_308209-322303-	11.38450499	25.77321794	2.26388569
Unnamed	c.Ueno201210egg_X001214	JGIv7b.000146478_228-15328-	10.13551203	22.93904227	2.263234676

tmem18	c.Ismailoglu201203_X004936	JGIv7b.000043061_3754291-3763196-	19.37872334	43.85524604	2.263061672
atl2	c.TXGP201107_X010028	NIGv2.S00000250_355940-401222-	10.7960565	24.42982385	2.262846981
rab21	c.Ismailoglu201203_X006060	JGIv7b.000052352_755272-767082-	43.28503255	97.93485268	2.262556984
fryl	c.Taira201203st25_X001618	JGIv7b.000032657_3068830-3109249+	13.7060054	30.94680148	2.257900867
cbr4	c.Audic201207_X009465	JGIv7b.000014692_9422410-9434441+	21.22492136	47.90363231	2.256952169
fkbp6	c.XenBase_148232322	JGIv7b.000007440_433544-447836-	13.18188866	29.62893291	2.247700135
klhl13	c.Taira201203brain_X016929	JGIv7b.000354435_322305-378016-	12.95907191	29.11431727	2.246635984
btg3	c.Amin201106_X021722	JGIv7b.000160841_3387681-3397411-	17.5415781	39.37273802	2.244537965
gng4	c.Chang2013_X010110	JGIv7b.000025196_277278-317283-	14.08256687	31.60309076	2.244128577
glmn	c.JGIL6RMv1_XeXenL6RMv10052860m	JGIv7b.000047606_1433123-1455862+	13.950757	31.24503829	2.239666155
zfp36l2.2	c.Taira201203st10_X005009	NIGv2.S00001851_551564-552614+	10.35208558	23.18311294	2.239463029
Unnamed	c.Audic201207_X001573	JGIv7b.000002589_2550510-2563963-	13.31148322	29.76780365	2.236249947
mitd1	c.TXGP201107_X002030	JGIv7b.000017127_1084045-1094974+	8.988378305	20.05320151	2.231014409
plk3	c.Taira201203kidney_X014170	NIGv2.S00000426_191175-202329+	12.01993004	26.78758302	2.228597249
fam46b	c.TXGP201107_X006481	JGIv7b.000098463_2092359-2103126+	65.93413932	146.8950271	2.227905431
gmnn	c.TeperekTkacz201206_X005993	NIGv2.S00002971_104644-109494+	115.1322184	256.3746623	2.2267847
znf300	c.Taira201203st09_X000193	JGIv7b.000003552_26743-27560+	20.47746566	45.58986116	2.226342943
fgfr1op2	c.JGIL6RMv1_XeXenL6RMv10050708m	JGIv7b.000070246_641260-647706+	13.81357402	30.73229859	2.224789801
csnk1e	c.Taira201203spleen_X003556	JGIv7b.000078978_5282261-5322709-	33.70375222	74.94129052	2.223529595
poc1b	c.Audic201207_X017983	JGIv7b.000037038_2393747-2437747+	9.58732691	21.29687318	2.221356733
gramd3	c.Taira201203intestine_X001420	JGIv7b.000012879_564891-614168-	16.86234311	37.42955918	2.219712819

chmp1a	c.JGIL6RMv1_XeXenL6RMv10041083m	JGIv7b.000010177_1212605-1225218-	19.28004299	42.777873	2.218764399
cpsf4	c.Quigley201112_X022573	NIGv2.S00000371_1893358-1895886+	13.95336901	30.91170345	2.215357698
mcm3	c.TXGP201107_X008579	JGIv7b.000215439_1169508-1191663-	14.31128605	31.67641579	2.21338709
ppp1r3c.2	c.TXGP201107_X005057	JGIv7b.000059267_644643-648131+	10.43044891	23.04715664	2.209603522
klhl7	c.TXGP201107_X002842	JGIv7b.000029835_219726-235285-	10.07674838	22.26561871	2.209603522
nog	c.Taira201203brain_X011562	JGIv7b.000100342_354700-356309-	15.64116634	34.49220327	2.205219388
Unnamed	c.UniGene_Xl_S16181855	JGIv7b.000019169_2231616-2244772-	31.44123254	69.29254387	2.203874921
syap1	c.TXGP201107_X005354	JGIv7b.000067669_2508192-2516298+	9.766270526	21.51064139	2.202544086
fopnl	c.Chang2013_X004220	JGIv7b.000009994_3745254-3755831-	22.08293545	48.63559211	2.202406117
tmem111.2	c.Amin201106_X029979	NIGv2.S00004312_858139-867545+	174.806341	384.856742	2.201617744
vldlr	c.Taira201203st10_X003481	JGIv7b.000126823_118223-160899-	16.08352811	35.36420297	2.198783919
klhl13	c.Taira201203brain_X007899	JGIv7b.000050694_2072891-2126536-	15.54359502	34.15003923	2.197048957
atat1	c.XenBase_58403331	JGIv7b.000134683_522316-556855-	22.41590347	49.20706018	2.195185229
rabgef1	c.Taira201203brain_X017966	NIGv2.S00001590_782012-807739-	12.61833237	27.67536369	2.193266343
ppp1cc	c.XGI_TC418335	JGIv7b.000025254_4420786-4434616+	97.59218842	213.5225769	2.187906434
cdc42se2	c.XGI_TC417024	JGIv7b.000009266_3529229-3550496+	17.29970499	37.67941067	2.178037758
coq6	c.Audic201207_X037912	JGIv7b.000135961_226702-238566+	9.642634235	20.99951629	2.177777957
nde1	c.Chang2013_X004144	JGIv7b.000009994_3653920-3668883+	51.63937039	112.4332205	2.177277137
rnf4	c.Taira201203st12_X000133	JGIv7b.000003467_4873946-4889341+	29.5029776	64.17858431	2.175325663
mthfr	c.Taira201203eye_X010382	JGIv7b.000108577_106317-135153-	16.13487269	35.0781862	2.174060302
slc9a1	c.Quigley201207_X014672	NIGv2.S00002590_558659-579409-	10.96323795	23.80828438	2.171647143

stx5	c.Amin201106_X008522	JGIv7b.000031469_1757845-1766955-	17.25743128	37.47570905	2.171569363
acot13	c.JGIL6RMv1_XeXenL6RMv10055209m	JGIv7b.000133814_5456-9847-	18.0747957	39.12966803	2.164874706
sec24b	c.Ismailoglu201203_X008221	JGIv7b.000088765_4105168-4145880+	12.26225301	26.52959009	2.163516774
tapt1	c.Taira201203eye_X011378	JGIv7b.000146311_74713-112330+	18.041364	39.0291163	2.163312946
cd59	c.mgEST_1013089689	JGIv7b.000074352_1676232-1690179-	10.89458421	23.56736847	2.163218716
lyrm4	c.XGI_TC429950	JGIv7b.000046891_32557-76294-	14.41076229	31.14985217	2.161568663
grem1	c.Chang2013_X040832	NIGv2.S00002927_61165-66262-	13.2767862	28.65849075	2.158541256
aldh18a1	c.Taira201203brain_X001612	JGIv7b.000007555_3533894-3560986+	9.962428126	21.49952807	2.158061047
pdgfrl	c.Amin201106_X019707	JGIv7b.000121003_2031066-2049091+	10.12211845	21.84370823	2.158017448
Unnamed	c.XGI_TC453389	JGIv7b.000035086_72578-76147-	84.43944401	182.2192677	2.157987535
oat.2	c.Park201106_X025970	NIGv2.S00000422_397874-408662+	10.2869055	22.18694549	2.15681436
rnf41	c.Chang2013_X040592	NIGv2.S00002595_1165013-1204511-	12.16889291	26.24413721	2.156657751
papd5	c.Taira201203st35_X001255	JGIv7b.000032008_585419-611266-	34.75780355	74.92619412	2.155665389
atg4c	c.XGI_TC462242	JGIv7b.000053042_1264305-1295314-	35.29863738	76.05418452	2.154592646
pja2	c.XGI_TC416207	JGIv7b.000012879_6121281-6148332+	12.48845657	26.89340599	2.153461146
tmem169	c.Chang2013_X009003	JGIv7b.000021603_174379-181180+	15.55511805	33.47700689	2.152153831
ccdc138	c.XGI_TC416432	JGIv7b.000017127_4762977-4782055+	9.540844884	20.51966825	2.150718149
atp6v1d	c.Amin201106_X025965	JGIv7b.000280163_278392-291292+	11.36224179	24.43356601	2.150417714
itpkc	c.XenBase_83405250	JGIv7b.000039723_10057060-10086843-	14.55933479	31.26607993	2.147493713
h1foo	c.Chang2013_X034727	JGIv7b.000255257_262055-268442+	225.047622	483.1425758	2.14684595
muc4	c.Taira201203ovary_X007260	JGIv7b.000203280_64403-100361-	13.14640037	28.21527565	2.14623584

arl2bp	c.XGI_TC422181	JGIv7b.000033905_3874492-3885266+	98.24497533	210.7614073	2.145263985
aldoc	c.Audic201207_X017272	JGIv7b.000035361_3467404-3489396+	21.25833123	45.56673772	2.143476702
Unnamed	c.UniGene_Xl_S25791702	JGIv7b.000121300_9688-33844+	16.50589427	35.37821228	2.143368405
snx10	c.Taira201203intestine_X008223	JGIv7b.000178713_2590081-2614536-	34.57344378	74.09311396	2.143064325
sirt3.2	c.Audic201207_X038188	JGIv7b.000137507_1853230-1871470+	28.87583505	61.80260829	2.140288175
spry1	c.Taira201203st09_X003581	JGIv7b.000112610_1220629-1226046-	12.46854249	26.68450678	2.140146437
znf3	c.Taira201203brain_X004212	JGIv7b.000021594_704284-724209-	29.78238966	63.64256015	2.136919196
ier5l	c.XGI_TC417711	JGIv7b.000091271_855209-857468+	9.396866502	20.06701748	2.135500965
Unnamed	c.Chang2013_X005252	JGIv7b.000012518_8294195-8344255-	15.59512348	33.24016486	2.131446084
poc5	c.Chung201110_X008544	NIGv2.S00010585_13475-41861+	22.38089703	47.7018291	2.131363593
uap1	c.Quigley201212_X052410	NIGv2.S00000616_398194-413500+	24.35311577	51.89155482	2.130797361
atp8a1	c.Taira201203st08_X001924	JGIv7b.000031653_4584000-4734654+	10.43736917	22.22279546	2.129156792
depdc7	c.Quigley201212_X054003	NIGv2.S00001820_537040-557127+	19.18273974	40.83040482	2.128497044
aco2	c.Ueno201210heart_X000191	JGIv7b.000012423_2228713-2250819+	22.34589123	47.41927384	2.122057847
aldh1a2	c.UniGene_Xl_S20119060	JGIv7a.000018788_619940-655306+	12.40087963	26.28153009	2.119327892
dact1	c.Taira201203egg_X006008	JGIv7b.000133644_1074197-1080957-	10.39396189	22.02778861	2.119287029
atg4c	c.Audic201207_X040002	JGIv7b.000155039_2303502-2327858-	36.68879264	77.63567559	2.116059701
larp6	c.Taira201203egg_X002993	JGIv7b.000035716_1966319-1980564-	15.25974738	32.24885051	2.11332794
phldb1	c.Taira201203egg_X008451	NIGv2.S00002083_27471-65129-	14.02806777	29.64172723	2.113029942
pphln1	c.Quigley201212_X015301	JGIv7b.000030470_3514159-3571642+	14.38771952	30.38727278	2.112028438
zar1l	c.Taira201203st09_X001588	JGIv7b.000031941_1695682-1702980-	11.37188874	23.99985543	2.110454646

rbm24	c.XGI_TC417312	JGIv7b.000011136_1872989-1883587-	18.32369234	38.66557007	2.11014076
gmnn	c.Park201106_X027971	NIGv2.S00005321_186838-188634-	103.8635029	219.1316007	2.10980368
liph	c.Taira201203st20_X005454	NIGv2.S00000238_363321-372926+	13.7422818	28.97688024	2.108593076
pgk1	c.Amin201106_X029109	NIGv2.S00001898_865570-878802-	25.85765844	54.50662918	2.107949152
h2afj	c.Ueno201210st09_X000955	JGIv7b.000277614_2400501-2402906+	10.89794513	22.96643156	2.107409359
cars2	c.XenBase_147901607	JGIv7b.000338390_24380-53370-	9.629828364	20.2909742	2.107096142
znf25	c.Taira201203egg_X001488	JGIv7b.000013941_170230-179785+	10.24492331	21.58654603	2.107048085
gadd45g	c.XGI_TC421689	JGIv7b.000013576_4101295-4106965+	29.91854054	63.02820049	2.106660263
slc2a10	c.Chang2013_X006558	JGIv7b.000014557_6190606-6204044-	14.06343295	29.61600679	2.105887439
aco2	c.Audic201207_X030539	JGIv7b.000078978_2882729-2904948-	19.14458407	40.28940526	2.104480573
hn1	c.Chang2013_X038637	NIGv2.S00000387_384492-395632-	60.1628648	126.6057885	2.104384307
poc5	c.Taira201203egg_X007145	JGIv7b.000220499_2774498-2800584+	10.89646577	22.86726567	2.098594733
gng10	c.JGIL6RMv1_XeXenL6RMv10011906m	JGIv7b.000046215_225505-236096-	15.76794503	33.0524953	2.096182809
rfc3	c.XGI_TC419045	JGIv7b.000200825_1195181-1206223+	12.86138487	26.9053652	2.091949309
kiaa0889	c.Taira201203ovary_X004788	JGIv7b.000071264_2754863-2817946+	25.90479095	54.15601435	2.090579092
ahsa1	c.Taira201203brain_X006253	JGIv7b.000039723_6073571-6082521+	11.67370675	24.36124891	2.086847771
got2	c.Taira201203st09_X005237	NIGv2.S00003825_261920-289654-	13.20930065	27.54210312	2.085053846
pcmtd1	c.Amin201106_X024486	JGIv7b.000230826_1659795-1728284-	10.85369104	22.62851139	2.08486784
ints6	c.XenBase_147901238	JGIv7b.000005732_10828517-10868145-	11.48237974	23.90405276	2.081803014
btg3	c.UniGene_Xl_S24639655	JGIv7b.000054256_9564-13300-	9.674888471	20.12417967	2.080042548
ndufs4	c.Quigley201112_X010234	JGIv7b.000052441_11766800-11835789+	9.855441866	20.48875449	2.078928045

tmem161b	c.JGIL6RMv1_XeXenL6RMv10029794m	JGIv7b.000001187_7025372-7046971+	10.80786048	22.42707208	2.075070467
tmem110	c.Quigley201212_X030450	JGIv7b.000078978_6650276-6661161-	11.82305054	24.53067463	2.074817707
nog	c.Taira201203st35_X003850	JGIv7b.000373158_1037035-1038876+	20.01387551	41.49199521	2.073161452
josd1	c.Ismailoglu201203_X001689	JGIv7b.000012423_2117604-2134091-	11.22641713	23.27004961	2.072793958
sox13	c.XenBase_46250057	JGIv7b.000151578_693353-785783+	21.00766913	43.44306716	2.067962271
pdcd10	c.Amin201106_X014159	JGIv7b.000058517_2924605-2943478-	56.00396411	115.7206757	2.06629437
ralgapa1	c.Taira201203st09_X004570	JGIv7b.000265107_62959-171080-	9.750148116	20.13044378	2.064629536
pmch	c.Taira201203brain_X003935	JGIv7b.000018184_5024474-5028781+	38.46661512	79.40047743	2.064139961
hras	c.TeperekTkacz201205_X001797	JGIv7b.000109526_292263-327631-	40.61223768	83.82675502	2.064076244
znf484	c.Taira201203egg_X006088	JGIv7b.000136952_451253-459505+	19.82504003	40.87822541	2.061949199
dapk1	c.Taira201203ovary_X001492	JGIv7b.000013576_1230568-1320502+	15.72629303	32.41991483	2.061510285
ccdc68	c.JGIL6RMv1_XeXenL6RMv10023723m	JGIv7b.000040738_1280634-1309939-	11.56446083	23.82126841	2.059868485
stx5	c.Amin201106_X028372	NIGv2.S00000660_412735-420683-	13.55247691	27.84661002	2.054724771
spire2	c.JGIL6RMv1_XeXenL6RMv10049005m	JGIv7b.000398601_90603-106780+	11.63488263	23.89332576	2.053594052
oat.2	c.Taira201203st10_X000021	JGIv7a.000044240_1462478-1479658-	24.29991858	49.8863322	2.05294236
qrsl1	c.XGI_TC419098	JGIv7b.000008630_4144489-4172675+	11.81275325	24.24241991	2.052224354
kiaa0513	c.Taira201203brain_X001111	JGIv7b.000005765_400698-455251+	10.15929664	20.84664878	2.051977564
sgk196	c.XenBase_148222815	JGIv7b.000005895_3133318-3137936-	10.82630376	22.21313613	2.051774699
znf639	c.TXGP201107_X005028	JGIv7b.000058994_8462-20315-	19.62491743	40.23524196	2.050212038
Unnamed	c.TXGP201107_X008557	JGIv7b.000215439_1104601-1114534+	15.1439368	31.01678907	2.048132496
zufsp	c.Ueno2012104cells_X000016	JGIv7b.000000873_2004322-2021941-	10.1316759	20.73096308	2.046153399

hiatl2	c.Audic201207_X006545	JGIv7b.000012020_14962772-15010648+	14.22738651	29.07229618	2.043403836
adrbk2	c.TXGP201107_X007419	JGIv7b.000143664_174124-287160-	11.27778897	23.0394635	2.042906066
fam161a	c.Ismailoglu201203_X001643	JGIv7b.000012020_5635424-5652463-	12.7779149	26.0538844	2.038977768
fbxo33	c.Park201106_X026736	NIGv2.S00001505_834374-839817+	16.59866905	33.84066748	2.038757889
fam107b	c.Audic201207_X052978	NIGv2.S00000947_1134258-1163389+	12.8477651	26.18245584	2.037899638
dus4l	c.Chang2013_X005142	JGIv7b.000012518_18164100-18178627+	25.90981754	52.78150914	2.037123922
nuak2	c.Audic201207_X052750	NIGv2.S00000791_39311-41441+	11.91071889	24.26300191	2.037072836
ccdc18	c.Taira201203ovary_X003734	JGIv7b.000047606_1004819-1089798-	10.61196105	21.61678447	2.037020713
myo1e.2	c.Taira201203intestine_X005047	JGIv7b.000059883_2276149-2383102-	11.05655052	22.52002693	2.036804054
tubgcp3	c.XenBase_2981462	JGIv7b.000167628_4364816-4412367-	10.85272706	22.03327649	2.030206452
tspan15	c.Taira201203st08_X006071	NIGv2.S00000284_1938609-2037700+	13.00093465	26.37427605	2.028644613
stk35	c.Chang2013_X002898	JGIv7b.000007103_501795-506878+	17.30512222	35.08660694	2.027527254
ndnl2	c.UniGene_Xl_S18078526	JGIv7b.000043648_238817-252510-	63.68936211	128.9306619	2.024367299
atp5d	c.mgEST_1013092630	JGIv7b.000054274_2468502-2472064-	17.63841501	35.70663054	2.024367299
Unnamed	c.Taira201203brain_X002230	JGIv7b.000011418_476344-569037-	10.54125602	21.31902733	2.022437106
pdcd10	c.Amin201106_X025510	JGIv7b.000267727_608606-626750-	92.3959221	186.6273658	2.019865829
clns1a	c.JGIL6RMv1_XeXenL6RMv10021444m	JGIv7b.000262000_1405538-1422069+	58.1629303	117.4076468	2.018599238
depdc7	c.Taira201203intestine_X005584	JGIv7b.000074352_3780008-3800394-	15.21687697	30.6865494	2.016612835
bzrap1	c.Ueno201210st08_X000730	JGIv7b.000066163_156916-227802-	12.29945049	24.79277336	2.015762686
galnt4	c.XenBase_147907289	JGIv7b.000070754_794116-833753+	22.65288373	45.65856433	2.015574038
lsm2	c.Amin201106_X029261	NIGv2.S00002210_37773-42176-	48.87128079	98.4928659	2.015352663

cep85	c.Quigley201207_X015122	NIGv2.S00007337_87917-102249+	22.34034761	44.99220843	2.013943974
rasa2	c.Ismailoglu201203_X005205	JGIv7b.000044494_3684738-3751502-	9.964223085	20.06103182	2.013306171
sertad2	c.Chang2013_X033798	JGIv7b.000230550_2789873-2797899+	17.92669109	36.08599614	2.012975845
rnd3	c.JGIL6RMv1_XeXenL6RMv10031510m	JGIv7b.000021603_9128421-9149344-	16.18259877	32.57265027	2.012819494
slc20a1	c.Ismailoglu201203_X013158	NIGv2.S00000368_64191-89886-	20.80083862	41.86382452	2.012602726
cbx2	c.Taira201203st40_X002816	JGIv7b.000277717_37187-63068-	19.40112853	39.01695399	2.011066208
nuak2	c.Taira201203eye_X015865	NIGv2.S00003839_264501-280393-	23.57345343	47.40639349	2.011007578
gcc1	c.Audic201207_X052812	NIGv2.S00000842_191609-200043+	14.76931954	29.69999223	2.010924886
cyb5a	c.Quigley201212_X000290	JGIv7a.000037042_857204-878361+	10.05414029	20.196058	2.008730475
sod1	c.Taira201203st08_X000445	JGIv7b.000006590_6414248-6420299-	95.73149182	192.2509691	2.008231205
brf1	c.Ismailoglu201203_X011522	JGIv7b.000230550_1877377-2079767+	18.64806705	37.41892034	2.006584395
b3galt1	c.JGIL6RMv1_XeXenL6RMv10022863m	JGIv7b.000082179_569398-575677+	12.89087692	25.86322415	2.006319998
depdc7	c.Quigley201212_X051448	NIGv2.S00000039_416616-434040+	16.93161698	33.96957812	2.006280804
znf85	c.Chang2013_X037943	JGIv7b.000396475_443971-454615-	10.30616032	20.65325733	2.003972061
rnf41	c.Chang2013_X007034	JGIv7b.000014978_2055622-2101273-	12.1318585	24.29600962	2.002661803
hist1h2aa	c.Taira201203egg_X001018	JGIv7b.000011316_6703374-6705050+	52.40339788	104.8848612	2.001489702

Table S30: Gene transcripts down regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR4, when filtered using high stringency criteria. Embryos were co-injected with *ifgfr4* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR4 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 20 and fold change ≤ 0.5 are classed as down regulated. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR4 uninduced (FPKM)	iFGFR4 induced (FPKM)	Fold change
zeb2	c.XenBase_8925961	JGIv7b.000004321_15892491-15987808+	94.10031504	5.209643956	0.055362662
lrat	c.Taira201203eye_X009949	JGIv7b.000099286_446614-459327+	26.38571356	1.99404117	0.075572759
zeb2	c.Taira201203st20_X001347	JGIv7b.000021603_7456409-7551033-	58.64288643	4.771743903	0.081369527
lrat	c.Audic201207_X055311	NIGv2.S00003495_975186-978844+	77.67360917	6.372754461	0.082045299
zeb2	c.Taira201203kidney_X015323	NIGv2.S00007837_359787-458457+	96.50356509	8.156637532	0.084521619
crabp2	c.Taira201203egg_X003235	JGIv7b.000041091_3369386-3397974-	23.256807	1.97371351	0.084866057
zeb2	c.Taira201203kidney_X000017	JGIv7a.000002575_192291-280172-	30.96784068	3.020168673	0.097525969
crabp2	c.Audic201207_X014291	JGIv7b.000026819_2001871-2017104+	166.7768605	17.40226998	0.104344631
krt12	c.Ueno201210st35_X000016	NIGv2.S00002938_233278-248330+	23.69069267	2.696383839	0.113816167
ag1-a	c.JGIL6RMv1_XeXenL6RMv10037629m	JGIv7b.000013787_5208193-5215643+	57.27934038	6.557213677	0.114477814
hesx1	c.UniGene_Xl_S13589749	JGIv7b.000177844_181426-184575+	91.56286044	11.71221207	0.127914441
krt12	c.XenBase_27696404	JGIv7b.000013265_3627584-3644405-	24.04912385	3.216309636	0.133739161
btc	c.Audic201207_X000606	JGIv7b.000000377_3260551-3285145+	27.36753703	4.213171745	0.153947786
nr6a1	c.Park201106_X000106	JGIv7a.000015595_661440-792833+	25.28252227	4.107672813	0.162470847
cfb	c.XGI_TC416908	JGIv7b.000012933_5374460-5413615+	26.76032444	4.598977222	0.171858052
dynll1-a	c.Audic201207_X053894	NIGv2.S00001717_2085-4762-	43.80521953	8.227334226	0.187816299

mdk	c.Chung201110_X002883	JGIv7b.000043483_642289-654640+	146.5573873	27.74100042	0.189284218
nr6a1	c.JGIL6RMv1_XeXenL6RMv10006158m	JGIv7b.000003586_1855502-1896201+	22.43822321	4.252641546	0.189526662
cyp26a1	c.Chang2013_X000110	JGIv7a.000014833_4137270-4142183-	52.30667695	10.4617128	0.200007215
lamb1	c.Taira201203brain_X002628	JGIv7b.000012518_18536798-18570913-	27.35820487	5.638409662	0.206095747
hesx1	c.JGIL6RMv1_XeXenL6RMv10033507m	JGIv7b.000033876_482101-485204-	273.3986504	56.96398294	0.208355026
pkdcc.2	c.Ueno201210brain_X000869	JGIv7b.000027036_317796-362184+	42.10400095	8.802340018	0.209061843
pkdcc.2	c.Taira201203heart_X005631	JGIv7b.000102974_12998538-13043290+	41.82606687	8.780738989	0.209934609
nr6a1	c.Quigley201112_X000037	JGIv7a.000006263_166884-203776+	34.99674171	7.391735359	0.211212101
fzd2	c.JGIL6RMv1_XeXenL6RMv10049483m	JGIv7b.000075417_2947432-2950426+	24.23527916	5.495342435	0.226749706
cyp26a1	c.Chang2013_X039292	NIGv2.S00000972_68480-73355+	46.40899333	10.63636577	0.229187599
arg1	c.Audic201207_X034514	JGIv7b.000102277_1378103-1389903+	185.2072217	42.56278174	0.229811675
vwc2l.2	c.JGIL6RMv1_XeXenL6RMv10004091m	JGIv7b.000325141_2443422-2462754+	26.82029827	6.572028857	0.245039365
cfh	c.Taira201203kidney_X012568	JGIv7b.000245044_3631680-3797857-	64.29697674	16.44749866	0.255805164
adap1	c.Audic201207_X030499	JGIv7b.000078978_5596836-5611399+	57.01810494	14.61453904	0.256314009
cyp26a1	c.Ueno201210st10_X000202	JGIv7b.000007555_3441089-3446814+	32.04373708	8.236823655	0.257049408
nr6a1	c.Quigley201112_X023210	NIGv2.S00001385_714320-753033+	37.47346624	9.672316332	0.258111066
frrs1	c.TXGP201107_X004211	JGIv7b.000047606_711043-759973+	22.46013074	5.866191962	0.261182449
kiaa1324	c.Audic201207_X035319	JGIv7b.000107111_43435-95489-	28.25853852	7.572834809	0.267983951
trim29	c.Park201106_X024075	JGIv7b.000287959_1656133-1688834+	51.90611682	14.1069415	0.271778017
slc27a3	c.JGIL6RMv1_XeXenL6RMv10013872m	JGIv7b.000012462_395592-403463-	35.23921427	9.657830674	0.27406487
ror2	c.Ismailoglu201203_X002182	JGIv7b.000013576_4963312-5056011-	42.91391801	12.09731287	0.281897189

polr2h	c.Amin201106_X029351	NIGv2.S00002427_1377983-1382873-	20.52283699	5.800240256	0.282623706
Unnamed	c.Taira201203heart_X002373	JGIv7b.000026819_2062720-2085558+	23.02086647	6.717727895	0.291810384
stk40	c.JGIL6RMv1_XeXenL6RMv10015764m	JGIv7b.000298574_255290-267525+	37.81850619	11.06657114	0.292623169
krt5.7	c.Taira201203brain_X001103	JGIv7b.000005732_8831252-8837956-	171.7541954	51.07690046	0.297383714
eppk1	c.Quigley201212_X055874	NIGv2.S00004660_124529-182304-	47.66439814	14.38565646	0.301811352
cnn2	c.XGI_TC417055	JGIv7b.000054274_2567215-2577179-	204.1501207	62.38988352	0.30560787
trim29	c.Quigley201212_X054528	NIGv2.S00002350_692632-725034+	42.47148269	12.99934728	0.306072368
tmem221	c.Audic201207_X028265	JGIv7b.000070461_1443223-1466440+	20.05196229	6.166422348	0.30752214
cnn1	c.XenBase_3746796	JGIv7b.000039437_1774002-1782237+	45.06988413	13.94109538	0.309321749
fam55d	c.Ismailoglu201203_X007979	JGIv7b.000083106_152889-161353+	90.69990257	28.27234065	0.311713021
lrp2	c.Taira201203testis_X001603	JGIv7b.000043242_7285838-7393816+	35.24342345	11.02928172	0.312945811
slc30a8	c.Quigley201112_X017380	JGIv7b.000160942_6433391-6462650+	97.8856815	30.65899206	0.313212225
Unnamed	c.Chang2013_X041601	NIGv2.S00004944_40501-42272+	44.60548801	14.0344968	0.3146361
gnb3	c.Quigley201112_X013169	JGIv7b.000079772_5446576-5470832+	101.4553032	32.30574062	0.318423381
fn3krp	c.Taira201203st20_X003280	JGIv7b.000081941_2266557-2272753-	21.47323898	7.010689423	0.326484953
itga6	c.Taira201203brain_X006685	JGIv7b.000043242_5830504-5975874-	28.67199149	9.392935931	0.327599704
kiaa1324l	c.Quigley201212_X006996	JGIv7b.000012518_13813324-13861697+	162.4355085	53.3212819	0.328261243
lin28a	c.Taira201203st25_X000544	JGIv7b.000008834_1121721-1140275-	54.02740871	17.80596723	0.329572853
c9	c.Ismailoglu201203_X006109	JGIv7b.000052441_7261050-7287758-	63.32628553	20.92888639	0.330492879
stard13	c.Quigley201212_X015911	JGIv7b.000031941_1881436-1986425-	48.69699529	16.33020034	0.335343079
impa1	c.Audic201207_X056130	NIGv2.S00005503_76683-96796+	22.03496528	7.433364413	0.337344049

vim	c.Quigley201212_X026614	JGIv7b.000061124_70427-86528-	48.79111552	16.46209172	0.337399372
cyp26a1	c.TeperekTkacz201205_X002611	NIGv2.S00000318_464174-468759+	76.29507507	26.31387512	0.344896117
vim	c.Ismailoglu201203_X013259	NIGv2.S00000766_2696693-2712306+	39.03320165	13.46403867	0.344938106
kit	c.Taira201203lung_X002929	JGIv7b.000032657_1734171-1767962-	30.20082477	10.46574434	0.346538362
cyp26a1	c.TeperekTkacz201205_X000583	JGIv7b.000016863_3785916-3790655+	51.14759694	17.73030879	0.346649889
otx2	c.TeperekTkacz201205_X001673	JGIv7b.000091950_411122-418355+	159.5637119	55.49569641	0.347796474
upk3b	c.Audic201207_X047411	JGIv7b.000267344_1483270-1496800-	86.23393594	30.13245188	0.349426842
Unnamed	c.Ismailoglu201203_X003280	JGIv7b.000024242_674171-676991+	58.16538951	20.37913841	0.350365373
shroom3	c.Taira201203heart_X004291	JGIv7b.000058878_5502767-5562019-	32.31835557	11.4687281	0.354867316
cnn1	c.Quigley201207_X013837	NIGv2.S00000082_492864-496632-	33.48501108	11.95714019	0.357089331
nr6a1	c.Ueno201210st20_X000895	NIGv2.S00000673_537275-562026+	59.65238214	21.30213014	0.357104434
angptl3	c.Quigley201212_X052087	NIGv2.S00000405_1066114-1069514-	74.77691944	26.78685738	0.358223601
ckap4	c.Quigley201112_X023483	NIGv2.S00002102_42661-49168+	60.35547176	21.71526236	0.359789456
polr3gl	c.Amin201106_X019417	JGIv7b.000115163_409601-436751+	28.58009772	10.29347472	0.360162335
birc3	c.Quigley201112_X021610	JGIv7b.000334424_1379524-1393051+	22.28077506	8.087746739	0.362992163
Unnamed	c.Taira201203heart_X003470	JGIv7b.000045784_2039071-2113089-	82.39251937	30.04364563	0.364640454
Unnamed	c.Quigley201212_X038159	JGIv7b.000135348_2833347-2910067-	90.94596187	33.41936384	0.367463966
mcm6.2-b	c.UniGene_Xl_S13831231	JGIv7b.000060608_495830-515096-	37.31550997	13.78981961	0.369546594
wfdc2	c.Quigley201112_X018501	JGIv7b.000187321_2337925-2345788-	136.0193689	50.27127657	0.369589103
ckap4	c.Quigley201112_X016484	JGIv7b.000137507_2068193-2074541-	82.51857032	30.62600795	0.371140797
mdk	c.Quigley201112_X012346	JGIv7b.000074352_63252-76586-	226.6619019	85.09741261	0.375437654

c2orf89	c.Audic201207_X028347	JGIv7b.000070461_2215401-2292918-	23.58618818	8.922196537	0.378280563
cygb	c.Quigley201212_X036348	JGIv7b.000120240_2355646-2375117-	42.21593543	16.00297167	0.379074193
rax	c.Audic201207_X024176	JGIv7b.000052441_2501506-2508259-	44.01331408	16.71386736	0.379745714
parp3	c.Audic201207_X043154	JGIv7b.000187321_2587167-2606620-	32.03556133	12.2596043	0.382687357
aen	c.Quigley201112_X023436	NIGv2.S00001986_526223-534959+	23.93051573	9.204506434	0.384634687
tlr2	c.TXGP201107_X004056	JGIv7b.000046492_267161-275119-	27.96204057	10.76296825	0.384913548
pkdcc.1	c.JGIL6RMv1_XeXenL6RMv10013085m	JGIv7b.000236382_1908213-1923883+	35.6823785	13.75865247	0.385586753
ccnd1	c.XGI_TC422275	JGIv7b.000074352_1060302-1076913+	187.9868489	72.7726376	0.387115578
znf608	c.Taira201203brain_X002631	JGIv7b.000012879_1052370-1165078+	31.80596807	12.33277852	0.387750453
kiaa1324l	c.JGIL6RMv1_XeXenL6RMv10009242m	JGIv7b.000033104_5396372-5433588-	180.38252	70.64680773	0.391649966
znf740	c.XenBase_147898513	JGIv7b.000005732_8194028-8209521-	39.45863421	15.56414458	0.39444205
kiaa1161	c.Taira201203lung_X009403	NIGv2.S00002875_174012-229951-	20.31559543	8.036652656	0.395590308
aen	c.Amin201106_X010297	JGIv7b.000041091_3468250-3477129-	49.12872724	19.47018735	0.396309623
Unnamed	c.Taira201203st40_X003121	NIGv2.S00001319_1814861-1822370+	31.23102267	12.4134334	0.397471243
lrat	c.Taira201203eye_X007824	JGIv7b.000061741_1096071-1112641-	41.77716935	16.62394006	0.397919254
dynll1	c.JGIL6RMv1_XeXenL6RMv10042969m	JGIv7b.000113816_508606-510472-	595.122454	237.1720693	0.398526501
dynll1	c.Quigley201212_X055124	NIGv2.S00003088_565653-567846-	317.9873206	126.8745655	0.39899253
psmg3	c.Amin201106_X002818	JGIv7b.000009994_7966805-7970229+	25.18153907	10.15254441	0.403174102
kiaa1161	c.Taira201203eye_X009524	JGIv7b.000091797_263259-321773-	26.83174191	10.83560759	0.403835413
nr2f1	c.Quigley201212_X026350	JGIv7b.000060118_848906-862330-	23.41618349	9.497151528	0.405580676
arpc3	c.Quigley201112_X005662	JGIv7b.000025254_4581008-4592724+	20.75162387	8.430346677	0.406249975

otx2	c.Quigley201212_X051915	NIGv2.S00000300_108072-110208-	42.39452147	17.27514535	0.407485325
elovl3	c.Quigley201112_X023645	NIGv2.S00002453_1753774-1768224+	22.02350322	9.005079353	0.408884966
cyp2j2	c.Chang2013_X033182	JGIv7b.000214452_9948-52224+	53.81486767	22.09015157	0.410484175
Unnamed	c.Amin201106_X025116	JGIv7b.000248633_526499-535913+	81.28848006	33.38903846	0.410747482
angptl3	c.mgEST_1013086036	JGIv7b.000005925_1870076-1909413+	494.3213102	203.4031556	0.411479642
lin28a	c.Park201106_X028195	NIGv2.S00007337_220421-239976+	85.96407129	35.6279177	0.41445126
oraov1	c.Taira201203st12_X001800	JGIv7b.000043483_1012989-1020298-	37.32700337	15.49372569	0.415080888
xepsin	c.Taira201203skin_X003526	JGIv7b.000132609_46128-75477+	49.97756382	20.8713836	0.417615066
sdc2	c.Taira201203liver_X004055	NIGv2.S00000215_178493-255217-	24.49000659	10.34834196	0.422553662
lig3	c.JGIL6RMv1_XeXenL6RMv10001947m	JGIv7b.000150750_933402-974025-	42.14743552	17.81230709	0.422619001
tpsg1	c.Audic201207_X037375	JGIv7b.000132609_88539-98813+	37.43091104	15.82413384	0.422755776
ptrh2	c.Chung201110_X001263	JGIv7b.000013523_3440014-3450087-	30.58610771	12.94025605	0.42307626
abcg2	c.Taira201203lung_X000089	JGIv7b.000000377_2763707-2837354+	20.36025166	8.633359929	0.424030119
cnn2	c.Quigley201212_X052425	NIGv2.S00000641_860802-870505-	35.81404062	15.22279296	0.425050977
agr2	c.Chung201110_X003762	JGIv7b.000057216_2613250-2620205-	51.22041466	21.81496971	0.425903809
fxyd3	c.mgEST_1013251433	JGIv7b.000019916_18854-33417+	186.4302603	79.64657292	0.427219126
id3	c.Audic201207_X054642	NIGv2.S00002590_1022943-1025176-	29.98348716	12.82289397	0.427665198
ckap4	c.JGIL6RMv1_XeXenL6RMv10016662m	JGIv7b.000054336_24051-31518-	82.14959707	35.14121494	0.427770996
parp1	c.Ismailoglu201203_X008816	JGIv7b.000102974_4858525-4894562+	61.69060792	26.45665741	0.428860378
fam55b	c.Park201106_X027114	NIGv2.S00002314_904499-956201-	48.47082943	20.81813847	0.429498292
prpf39.2	c.Taira201203st12_X001103	JGIv7b.000021980_1925557-1957291-	45.1043067	19.3843825	0.429767885

rbm34	c.Taira201203lung_X005379	JGIv7b.000075417_5233396-5251942-	85.90119162	36.98877172	0.430596724
itga6	c.Audic201207_X053748	NIGv2.S00001485_55342-198963-	26.20667993	11.46094191	0.43732903
cinp	c.Audic201207_X046200	JGIv7b.000236382_2970847-2980970-	39.22628676	17.17951567	0.437959264
Unnamed	c.Quigley201212_X006696	JGIv7b.000012518_76668-87512+	40.243568	17.64870664	0.438547264
cmklr1	c.Ismailoglu201203_X009493	JGIv7b.000131666_444385-448078+	24.5745229	10.79211553	0.4391587
hnrnpr	c.Quigley201207_X004040	JGIv7b.000030711_1549550-1574750+	116.3405473	51.1892038	0.439994525
dynll1	c.Quigley201207_X004595	JGIv7b.000036586_112311-114604-	64.20189095	28.32811154	0.441234847
foxi1	c.Quigley201112_X023503	NIGv2.S00002142_252565-254179+	24.42813974	10.78412546	0.44146323
pgbd4	c.Quigley201207_X014564	NIGv2.S00002189_80793-84609-	24.2461002	10.70969239	0.441707833
ptafr	c.XenBase_148225481	JGIv7b.000013204_932024-944528+	50.85325511	22.48952203	0.44224351
Unnamed	c.JGIL6RMv1_XeXenL6RMv10045325m	JGIv7b.000337760_15901-58446+	298.5534992	132.4680706	0.443699608
pkdcc.1	c.XGI_TC417985	NIGv2.S00000053_637642-653407+	48.40491495	21.59464385	0.446125024
slc16a12	c.Quigley201212_X048649	JGIv7b.000297158_55262-62916-	29.17290107	13.1003261	0.449058051
arl6ip1	c.Amin201106_X029507	NIGv2.S00002733_149987-163003-	32.6370805	14.66015111	0.449186964
fth1	c.Chang2013_X041004	NIGv2.S00003324_455821-456877-	42.14945015	19.05004913	0.451964357
rps21	c.XGI_TC456641	JGIv7b.000014557_962191-970899-	288.248268	130.3397374	0.452178736
kcnq1	c.Chang2013_X031703	JGIv7b.000183929_1448290-1533199-	23.60089052	10.68974294	0.452938118
znf800	c.Quigley201212_X014069	JGIv7b.000026505_2751675-2772723-	25.1240755	11.38400372	0.453111348
krt5.7	c.Taira201203kidney_X011862	JGIv7b.000200825_6634405-6640781+	96.17530174	43.68499231	0.454222566
casp6	c.XGI_TC452334	JGIv7b.000051940_545160-548822+	50.38793578	22.88733746	0.454222566
tubb2b	c.Audic201207_X047936	JGIv7b.000274508_1784757-1790690+	20.76415626	9.465121919	0.455839467

lin28a	c.TeperekTkacz201205_X002748	NIGv2.S00002590_129600-146832+	82.14046903	37.53329906	0.456940403
c5orf30	c.XenBase_148234248	JGIv7b.000001187_2165049-2174001-	32.5987906	15.084661	0.462736829
Unnamed	c.Chang2013_X040571	NIGv2.S00002584_1679464-1680608+	36.98987985	17.18110456	0.464481221
sesn1	c.TXGP201107_X000908	JGIv7b.000008355_4543017-4556237-	71.29299479	33.1541627	0.465040959
fam168b	c.Quigley201212_X010741	JGIv7b.000016807_9684979-9704645-	21.02365813	9.796285524	0.465964841
kcnj1	c.JGIL6RMv1_XeXenL6RMv10043373m	JGIv7b.000166674_4392381-4394961+	21.00103722	9.796392785	0.466471855
znf852	c.Chang2013_X018743	JGIv7b.000053445_236907-242443+	29.34141143	13.7810607	0.469679543
setd8	c.Quigley201212_X056664	NIGv2.S00009894_6829-7887+	20.4298429	9.704060722	0.474994388
utp18	c.Chang2013_X011369	JGIv7b.000030353_49970-67598+	49.04526196	23.43864124	0.477898176
srp19	c.TeperekTkacz201206_X000865	JGIv7b.000012879_5175567-5182374-	34.53154886	16.51781258	0.478339754
tdg	c.XGI_TC417017	JGIv7b.000005925_7934169-7954927-	84.68818734	40.64314045	0.479915106
Unnamed	c.Chang2013_X033037	JGIv7b.000208071_3368708-3370756+	62.0920778	29.85114891	0.48075616
bend3	c.JGIL6RMv1_XeXenL6RMv10002692m	JGIv7b.000008630_4275671-4287698-	20.8235112	10.03740892	0.482022884
greb1l	c.Quigley201112_X013620	JGIv7b.000085591_509475-593911+	66.01465433	31.83312078	0.482212944
Unnamed	c.JGIL6RMv1_XeXenL6RMv10008609m	JGIv7b.000103160_83520-85320-	170.6823608	82.36555529	0.4825663
rreb1	c.Taira201203spleen_X002925	JGIv7b.000057094_461895-536926-	24.90956059	12.04861256	0.483694303
shisa2	c.JGIL6RMv1_XeXenL6RMv10028709m	JGIv7b.000137879_671290-673328-	90.13717491	43.74725408	0.485340861
st6galnac2	c.Taira201203st30_X002676	JGIv7b.000071264_244788-267725+	21.8187138	10.59407253	0.485549819
asb3	c.Amin201106_X011834	JGIv7b.000047457_291467-304807-	47.45148837	23.09405881	0.486687765
crx-b	c.JGIL6RMv1_XeXenL6RMv10025952m	JGIv7b.000039723_9163473-9172981+	514.794705	250.8622938	0.487305505
fth1	c.JGIL6RMv1_XeXenL6RMv10053072m	JGIv7b.000139674_1673507-1677285+	207.0596544	101.062245	0.488082747

rpl38	c.Quigley201212_X052038	NIGv2.S00000381_714107-717065-	28.68396515	14.00260021	0.48816822
crx-a	c.UniGene_Xl_S22245695	JGIv7b.000050079_2769673-2781629-	208.3939368	101.9790964	0.48935731
rpl27a	c.Chang2013_X035887	JGIv7b.000287959_146467-152199+	42.03346278	20.59205914	0.489896805
hpgd	c.Ismailoglu201203_X012202	JGIv7b.000272351_96769-138279-	59.11871894	28.99301556	0.490420227
rps6	c.Ismailoglu201203_X008289	JGIv7b.000090041_1386460-1394156+	29.60378446	14.53987025	0.491149038
uqcrq	c.Ueno201210kidney_X002006	NIGv2.S00001008_1076956-1082531-	20.57322862	10.12036271	0.491919032
Unnamed	c.Audic201207_X031888	JGIv7b.000086070_1414111-1424275-	26.57899756	13.09463551	0.492668524
tuba1a-b	c.mgEST_1013155827	JGIv7b.000127187_1109513-1113080-	97.88792232	48.30897073	0.493513087
Unnamed	c.Taira201203eye_X005227	JGIv7b.000036991_54885-70970-	23.19328481	11.45314343	0.493812908
wdr12	c.JGIL6RMv1_XeXenL6RMv10042759m	JGIv7b.000139113_1098311-1114621-	39.89576676	19.72874944	0.494507339
cdh26	c.Quigley201212_X024302	JGIv7b.000053223_277006-322333+	43.89927578	21.73827092	0.495185183
ptpn9	c.Audic201207_X054711	NIGv2.S00002693_1099-29943+	22.85684911	11.33248133	0.49580243
fau	c.Quigley201212_X052679	NIGv2.S00000809_1096395-1100607+	22.48961649	11.16586655	0.49648986
polr2k	c.JGIL6RMv1_XeXenL6RMv10019863m	JGIv7b.000034503_3942828-3945719-	62.14500477	30.86594671	0.49667623
mafb	c.Quigley201212_X020440	JGIv7b.000045834_856015-859264+	27.12294563	13.49310073	0.497479179
Unnamed	c.Taira201203st08_X004257	JGIv7b.000107078_130406-136077+	956.1625059	475.8529574	0.497669543
rps6	c.Taira201203ovary_X009153	NIGv2.S00004748_383057-389525-	20.28499705	10.11018066	0.49840681
Unnamed	c.mgEST_1013119916	JGIv7b.000217632_684-2008-	20.6437628	10.28978955	0.498445446
srp19	c.mgEST_1013086260	NIGv2.S00002506_35793-42413-	47.91373338	23.88464359	0.498492643
zfp36l1	c.Ismailoglu201203_X013721	NIGv2.S00003031_949948-957707-	67.85880099	33.83908411	0.498669054
rpl11	c.Chang2013_X039165	NIGv2.S00000865_580486-587531-	22.79023293	11.37102105	0.498942731

chd2	c.Quigley201212_X005439	JGIv7b.000009266_11820154-11876284+	20.38266258	10.18174284	0.499529578
has-rs	c.Ismailoglu201203_X013818	NIGv2.S00003642_116689-121596+	127.7612096	63.83905916	0.499674818

Table S31: Determining the statistical significance of gene transcript list overlaps in iFGFR RNA-Seq data using Python. Probes satisfied high stringency filtering (FPKM ≥ 20, ≥ 2 fold change) in *X. laevis* embryos subject to an increase in FGF signalling by iFGFR1 or iFGFR4. Size of overlaps generated by random sampling of sets of numbers between 1 and 35,532 (number of transcripts in RNA-Seq) in 10,000 iterations. The significance threshold represents the probability of getting an overlap of maximum overlap + 1 or greater in a random sample is less than 1 in 10000, or $p < 0.0001$.

Comparison	**Transcripts in high stringency filtered lists**	**Median overlap**	**Mean overlap**	**Maximum overlap in 10000 iterations**	**Significance threshold**	**Observed overlap**	**Significant**	**Corresponding figure**
iFGFR1 up	257	2.0	2.6546	10	11	11	YES	Figure S6A
iFGFR4 up	368							
iFGFR1 down	108	0.0	0.5761	5	6	15	YES	Figure S6B
iFGFR4 down	186							
iFGFR1 up	257	1.9	1.3435	8	9	4	NO	Figure S6C
iFGFR4 down	186							
iFGFR1 down	108	1.0	1.094	6	7	3	NO	Figure S6D
iFGFR4 up	368							

Table S32: Biological processes associated with gene transcripts up regulated in neuralised *X. laevis* animal caps with increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Cellular response to mycophenolic acid	2	0.01	+	200	2.41E-04	1.65E-02
Positive regulation of mitotic cell cycle, embryonic	2	0.01	+	200	2.41E-04	1.64E-02
Glomerular mesangial cell proliferation	2	0.02	+	100	3.99E-04	2.37E-02
Re-entry into mitotic cell cycle	2	0.03	+	77.85	5.97E-04	3.22E-02
Negative regulation of neurotrophin TRK receptor signalling pathway	2	0.03	+	62.28	8.32E-04	4.15E-02
Recognition of apoptotic cell	2	0.03	+	62.28	8.32E-04	4.13E-02
Positive regulation of cell proliferation involved in kidney development	3	0.06	+	46.71	6.95E-05	6.50E-03
Positive regulation of metanephros development	3	0.08	+	35.93	1.34E-04	1.05E-02
Inactivation of MAPK activity	3	0.11	+	27.48	2.68E-04	1.78E-02
Negative regulation of stem cell differentiation	4	0.15	+	27.08	2.49E-05	2.85E-03
Positive regulation of nuclear-transcribed mRNA catabolic process, deadenylation-dependent decay	3	0.12	+	25.95	3.11E-04	2.00E-02
3'-UTR-mediated mRNA destabilization	3	0.12	+	25.95	3.11E-04	1.99E-02
Negative regulation of fibroblast growth factor receptor signalling pathway	3	0.12	+	24.58	3.59E-04	2.21E-02
Negative regulation of type I interferon production	3	0.16	+	18.68	7.42E-04	3.81E-02
Endoderm formation	4	0.22	+	18.32	9.92E-05	8.43E-03
Positive regulation of pri-miRNA transcription by RNA polymerase II	4	0.23	+	17.3	1.22E-04	9.85E-03

Placenta blood vessel development	4	0.24	+	16.39	1.47E-04	1.12E-02
Somatic stem cell population maintenance	5	0.31	+	16.22	2.21E-05	2.55E-03
Skeletal muscle cell differentiation	6	0.39	+	15.57	4.03E-06	5.79E-04
Steroid hormone mediated signalling pathway	4	0.28	+	14.15	2.49E-04	1.68E-02
Embryo implantation	4	0.29	+	13.84	2.70E-04	1.78E-02
Cochlea development	4	0.31	+	12.97	3.39E-04	2.13E-02
Response to gamma radiation	4	0.31	+	12.71	3.65E-04	2.22E-02
Spindle localization	4	0.33	+	12.21	4.21E-04	2.46E-02
Metanephros development	6	0.53	+	11.39	2.14E-05	2.51E-03
Cellular response to hypoxia	6	0.53	+	11.39	2.14E-05	2.49E-03
Negative regulation of G1/S transition of mitotic cell cycle	4	0.36	+	11.12	5.88E-04	3.19E-02
Negative regulation of ERK1 and ERK2 cascade	5	0.48	+	10.38	1.62E-04	1.20E-02
Labyrinthine layer development	4	0.39	+	10.38	7.51E-04	3.84E-02
Positive regulation of DNA binding	4	0.39	+	10.21	7.96E-04	4.02E-02
Neural tube closure	7	0.71	+	9.82	1.09E-05	1.41E-03
Establishment of cell polarity	8	0.82	+	9.81	2.53E-06	3.81E-04
Positive regulation of smooth muscle cell proliferation	6	0.68	+	8.81	8.35E-05	7.33E-03
Positive regulation of myeloid cell differentiation	5	0.66	+	7.56	6.49E-04	3.42E-02
Microtubule cytoskeleton organization involved in mitosis	5	0.68	+	7.34	7.35E-04	3.79E-02
Ear morphogenesis	6	0.87	+	6.92	2.94E-04	1.90E-02
Regulation of fat cell differentiation	6	0.89	+	6.72	3.42E-04	2.13E-02

Response to insulin	6	1.09	+	5.5	9.48E-04	4.65E-02
Positive regulation of leukocyte differentiation	6	1.09	+	5.5	9.48E-04	4.64E-02
Cellular response to abiotic stimulus	8	1.54	+	5.19	1.98E-04	1.41E-02
Regulation of animal organ morphogenesis	7	1.36	+	5.17	5.12E-04	2.85E-02
Cellular response to growth factor stimulus	12	2.51	+	4.78	1.11E-05	1.43E-03
Cellular response to cytokine stimulus	19	4.1	+	4.63	4.21E-08	1.09E-05
Regulation of Wnt signalling pathway	9	1.95	+	4.62	1.83E-04	1.33E-02
Cellular response to chemical stress	7	1.53	+	4.58	1.02E-03	4.87E-02
Forebrain development	11	2.46	+	4.47	4.69E-05	4.88E-03
Response to oxidative stress	9	2.16	+	4.16	3.91E-04	2.35E-02
Epithelial cell differentiation	12	3.17	+	3.79	9.91E-05	8.47E-03
Blood vessel morphogenesis	10	2.72	+	3.67	4.85E-04	2.77E-02
Heart development	13	3.61	+	3.6	8.34E-05	7.36E-03
Negative regulation of transcription by RNA polymerase II	20	5.56	+	3.6	9.13E-07	1.59E-04
Regulation of protein-containing complex assembly	10	2.79	+	3.59	5.79E-04	3.15E-02
Supramolecular fibre organization	10	2.99	+	3.35	9.68E-04	4.71E-02
Positive regulation of apoptotic process	13	4.13	+	3.15	3.03E-04	1.96E-02
Apoptotic process	16	5.18	+	3.09	7.38E-05	6.82E-03
Cellular response to DNA damage stimulus	13	4.35	+	2.99	4.89E-04	2.76E-02
Chromatin organization	12	4.07	+	2.95	9.13E-04	4.49E-02
Neuron projection development	13	4.44	+	2.93	5.90E-04	3.19E-02

Regulation of proteolysis	13	4.61	+	2.82	8.24E-04	4.12E-02
Protein phosphorylation	13	4.68	+	2.78	9.56E-04	4.67E-02
Regulation of cell projection organization	14	5.07	+	2.76	6.46E-04	3.42E-02
Negative regulation of apoptotic process	16	5.82	+	2.75	2.73E-04	1.79E-02
Regulation of locomotion	18	6.69	+	2.69	1.45E-04	1.11E-02
Regulation of response to external stimulus	15	5.68	+	2.64	6.42E-04	3.40E-02
Regulation of cellular component movement	17	6.77	+	2.51	4.89E-04	2.75E-02
Intracellular signal transduction	22	8.97	+	2.45	9.50E-05	8.16E-03
Regulation of response to stress	20	8.32	+	2.4	4.35E-04	2.53E-02
Positive regulation of protein metabolic process	23	10.75	+	2.14	6.21E-04	3.30E-02
Sensory perception of chemical stimulus	0	7.89	-	< 0.01	6.16E-04	3.29E-02

Table S33: Biological processes associated with gene transcripts down regulated in neuralised *X. laevis* animal caps with increased FGF signalling through iFGFR1, when filtered using high stringency criteria. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Positive regulation of RNA splicing	4	0.15	+	26.19	2.22E-05	1.21E-02
Ribosomal large subunit biogenesis	5	0.24	+	21.26	5.13E-06	4.05E-03
mRNA splicing, via spliceosome	11	0.6	+	18.38	3.21E-11	1.27E-07
Regulation of mRNA splicing, via spliceosome	6	0.34	+	17.86	1.45E-06	1.27E-03
Negative regulation of gene expression	15	5.02	+	2.99	1.12E-04	4.77E-02

Table S34: Biological processes associated with gene transcripts up regulated in *X. laevis* animal caps with increased FGF signalling through iFGFR4, when filtered using high stringency criteria. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Cell division	20	5.47	+	3.66	1.11E-06	2.92E-03
Regulation of protein kinase activity	23	7.54	+	3.05	3.35E-06	3.53E-03
Cell cycle	37	13.4	+	2.76	3.32E-08	2.62E-04
Regulation of cell cycle	30	11.16	+	2.69	1.30E-06	2.92E-03
Regulation of cellular response to stress	20	7.63	+	2.62	1.15E-04	3.95E-02
Regulation of organelle organization	34	14.2	+	2.39	3.30E-06	3.73E-03
Cellular response to stress	35	16.17	+	2.16	2.47E-05	1.08E-02
Positive regulation of protein metabolic process	40	18.71	+	2.14	6.03E-06	4.54E-03
Organelle organization	62	34.15	+	1.82	2.91E-06	3.84E-03
Cellular metabolic process	109	70.8	+	1.54	3.04E-07	1.60E-03
Negative regulation of cellular process	78	51.8	+	1.51	1.12E-04	3.93E-02
Nitrogen compound metabolic process	95	63.95	+	1.49	2.10E-05	9.75E-03
Primary metabolic process	101	70.11	+	1.44	2.77E-05	1.18E-02
Organic substance metabolic process	107	74.94	+	1.43	2.07E-05	9.92E-03
G protein-coupled receptor signalling pathway	5	20.7	-	0.24	6.13E-05	2.36E-02
Unclassified	5	21.26	-	0.24	2.92E-05	1.22E-02
Sensory perception of smell	0	12.61	-	< 0.01	5.52E-06	4.36E-03

Table S35: Biological processes associated with gene transcripts down regulated in *X. laevis* animal caps with decreased FGF signalling through iFGFR4, when filtered using high stringency criteria. Gene ontology processes identified against *M. musculus* genome, using PANTHER Fisher's exact statistical overrepresentation test with false discovery rate (FDR).

PANTHER GO biological process complete	Observed	Expected	+/-	Fold enrichment	Raw p-value	FDR
Melanocyte migration	2	0.01	+	200	1.61E-04	4.64E-02
Complement activation, alternative pathway	3	0.06	+	51.9	4.86E-05	2.08E-02
Mitochondrial DNA metabolic process	3	0.06	+	51.9	4.86E-05	2.02E-02
Diencephalon development	5	0.36	+	13.79	4.33E-05	1.90E-02
Inner ear morphogenesis	6	0.59	+	10.1	3.85E-05	1.74E-02
Positive regulation of neurogenesis	12	3.06	+	3.92	6.75E-05	2.54E-02
Regulation of cell migration	15	4.8	+	3.12	1.01E-04	3.41E-02
Tube development	15	4.86	+	3.09	1.14E-04	3.76E-02
Epithelium development	16	5.35	+	2.99	9.61E-05	3.30E-02
Negative regulation of biosynthetic process	20	7.93	+	2.52	1.25E-04	4.02E-02
Negative regulation of cellular process	52	24.34	+	2.14	1.47E-08	1.16E-04

Table S36: Determining the statistical significance of gene list overlaps between CSKA-FGF4 and iFGFR RNA-Seq data using Python. Genes satisfied high stringency filtering (q ≤ 0.05, ≥ 2 effect size) in *X. tropicalis* embryos subject to an increase in FGF signalling by CSKA-FGF4. Genes satisfied high stringency filtering (FPKM ≥ 20, ≥ 2 fold change) in *X. laevis* embryos subject to an increase in FGF signalling by iFGFR1 or iFGFR4. Size of overlaps generated by random sampling of sets of numbers between 1 and 12,398 (number of genes present in both RNA-Seq experiments) in 10,000 iterations. The significance threshold represents the probability of getting an overlap of maximum overlap + 1 or greater in a random sample is less than 1 in 10000, or $p < 0.0001$.

Comparison	**Genes in high stringency filtered lists**	**Median overlap**	**Mean overlap**	**Maximum overlap in 10000 iterations**	**Significance threshold**	**Observed overlap**	**Significant**	**Corresponding figure**
FGF4 up	53	0.0	0.5946	5	6	6	YES	Figure S8A
iFGFR1 up	137							
FGF4 up	53	1.0	1.0827	9	10	3	NO	Figure S8B
iFGFR4 up	250							
FGF4 up	53	0.0	0.5069	5	6	1	NO	Figure S8C
iFGFR4 down	117							
FGF4 down	57	0.0	0.6369	6	7	1	NO	Figure S8D
iFGFR1 up	137							
FGF4 down	57	0.0	0.3132	4	5	1	NO	Figure S8E
iFGFR1 down	68							
FGF4 down	57	0.0	0.5325	6	7	4	NO	Figure S8F

iFGFR4 down	117							

Table S37: Gene transcripts up regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using low stringency criteria. Embryos were collected at neurula stage 14 for RNA-Seq analysis. Gene transcripts with a q value ≤ 0.1 and effect size ≥ 1.5 are classed as up regulated for data set comparison analysis.

Gene	Transcript ID	q-value	Effect Size
37500	XM_012969928.2	0.056067172	29.23704231
fgf4	NM_001142822.1	1.18087E-07	27.88716886
rasgrp1	XM_012967847.2	0.042539083	26.95295307
prdm4	XM_018092154.1	0.077474714	26.27662641
LOC100485153	XM_002932276.4	0.003691665	24.58817096
pcdhga11	XR_001924167.1	0.042539083	20.98133462
fgd3	XM_004914180.3	0.044703553	20.21253602
sertad2	XM_004914712.3	0.08433107	17.31513537
bmp7.2	XM_012970501.2	0.001447651	15.07117038
shtn1	XM_004915730.3	0.082158218	14.83440911
mgat1	XM_012968316.2	0.044446871	14.3461135
lgals9c	XM_012956290.2	0.094993504	13.08141443
lcat	NM_001005715.1	0.058455808	13.03445231
LOC101731310	XM_012953285.1	0.025201343	11.5266165
tmcc1	XM_012960662.2	0.031858259	11.36183418
exoc3l1	XM_002931681.4	8.94323E-05	9.967542894
htr1b	XM_002936205.4	0.027162251	7.746103985
LOC108648953	XR_001925424.1	0.068458959	7.170206748
hpdl	XM_004913980.3	0.07518343	6.616719998
LOC101731588	XM_012955286.2	0.06405872	6.065856394
apold1	NM_001078836.1	0.002020736	5.448162311
fos	NM_001016200.2	7.14837E-17	5.381177362
LOC108648333	XR_001925091.1	0.08516191	5.152365383
mmp1	NM_001030330.1	0.042539083	4.653594495
egr1	NM_001097361.1	0.012868324	4.276750829
mmrn2	XM_002937572.4	0.042539083	3.619726093
sebox	XM_004911635.3	0.076293367	3.545170651
azin2	NM_001015993.3	0.06003063	3.433155379
LOC101732940	XM_004914317.3	0.000721067	3.24325078
frzb	NM_001005438.1	0.044658601	3.207932716
fosl1	XM_002939331.4	0.015416774	2.99609256
eng	XM_012969535.2	0.001728563	2.992350636
hoxc11	XM_002936646.4	0.002125787	2.903192959

cbx4	NM_001102857.1	0.001299909	2.870993441
LOC105945708	XM_018090141.1	0.000516008	2.745017167
esam	NM_001142053.1	1.8113E-05	2.68752539
LOC101733948	XM_018090681.1	0.000716177	2.67505682
LOC100486038	XM_012962310.2	0.003080282	2.657408077
sgk1	XM_012963073.2	7.13197E-05	2.656730106
c4bpa	XM_012964062.2	0.007581702	2.626800951
LOC101731765	XM_012959764.2	0.001579607	2.505614092
sgk1	NM_001030422.1	1.86292E-05	2.505100445
LOC101733271	XM_018093405.1	0.01324552	2.476396364
arrdc2	NM_001079231.1	3.05996E-06	2.471865556
gpcpd1	NM_001142145.1	0.018156471	2.452436757
LOC105947461	XR_001170914.1	7.13197E-05	2.443560549
arrdc2	XM_012965809.2	2.49773E-06	2.439528601
b4galt1.1	XM_018091031.1	0.01800023	2.436929699
prr7	XM_002936941.4	0.05938612	2.409616998
hoxc13	XM_002936645.4	0.06548697	2.380943623
LOC108647681	XM_018094344.1	0.078313116	2.363707646
avp	XM_002936358.3	0.015416774	2.355642464
ier3	XM_004919807.3	0.001299909	2.330770769
abat	NM_001128057.1	0.053099996	2.313464443
LOC101731863	XR_001170706.2	0.000784209	2.230507693
usp2	NM_001142050.1	0.044658601	2.224972824
wnt8a	NM_001017208.2	0.003578035	2.200960826
LOC100495743	XM_004913573.3	0.006283032	2.18865443
tdrp	NM_001016270.2	0.053099996	2.186379822
LOC101731863	XR_208542.3	0.000622148	2.177681165
fam83c	XM_012952528.1	0.001068629	2.118208912
tm6sf1	NM_001079358.1	0.097389329	2.089584035
lgals9c	NM_001102848.1	0.099234184	2.087243872
LOC100124990	NM_001102919.3	0.02714543	2.0669298
junb	NM_001044490.1	0.055372204	2.038883995
insm2	XM_002935349.4	0.098318818	2.036749456
st6galnac4	XM_012968605.2	2.68804E-06	2.025195334
nfkbiz	NM_001130266.1	0.027330251	2.017238861
cml	NM_001008441.1	0.053251454	2.003024983
rasl11b	NM_001015774.1	0.001447651	1.987024463

LOC101730746	XR_001924462.1	0.017115016	1.985961433
LOC779592	XM_002939597.4	0.005452064	1.96987089
amotl1	NM_001126890.1	0.068218068	1.967600823
ventx3.2	NM_001129916.1	0.042539083	1.965546692
fam83c	NM_001045662.1	0.025675126	1.930480575
rrad	NM_001016726.2	0.053442711	1.924466505
tdrp	XM_012962978.2	0.039605764	1.924266703
mst1	XM_004915576.3	0.008907126	1.891258211
bri3	NM_001122812.1	0.078313116	1.864765111
uckl1	NM_001015872.1	9.48031E-07	1.859603651
sat1	XM_018091191.1	0.017426139	1.858108788
fam195a	XM_012970504.2	0.059939988	1.85234894
dct	NM_001017161.2	0.010851319	1.844070127
ss18	XM_012964966.1	0.057772693	1.832431878
LOC100497630	XR_001169499.2	0.030282679	1.825091491
txnip	XM_002938464.3	0.099234184	1.809632728
dlx2	NM_001008060.1	7.08248E-05	1.798384078
dusp6	NM_001045578.2	0.05163333	1.794803884
cldn6.1	NM_203542.1	0.015416774	1.783676685
atf3	XM_002934698.4	0.013648729	1.757373193
lims1	XM_012956569.2	0.094594925	1.752311666
ventx2.2	XM_002937132.4	0.066797411	1.752124654
smim13	XM_002932667.4	0.000516008	1.705393328
cyp2r1	NM_001113012.1	0.004079139	1.702549517
fgf16	XM_002931813.4	0.044658601	1.694650431
chn1	XM_012969930.2	0.025443815	1.691664713
nuak2	NM_001128027.1	0.001247241	1.673097397
chic1	XM_004916833.3	0.041119419	1.67206119
spry2	NM_001006931.2	0.019897542	1.668961473
map7d2	NM_001079229.1	0.082258828	1.642045936
fhl3	NM_001008164.1	0.039280105	1.633826521
fat1	XM_004911187.3	0.035525741	1.631658633
LOC108648357	XR_001925165.1	0.088159316	1.62887677
tmcc1	NM_001142914.1	0.018156471	1.62244506
LOC101733268	XM_004920511.3	0.000185942	1.618504258
pnpla3	NM_001015693.1	0.007863064	1.600436497
sat1	NM_001007996.1	0.001007163	1.594296171

riok3	XM_012964531.1	0.057772693	1.551287537
plk3	NM_001006765.1	0.000743614	1.546975607
LOC100495963	XM_012957514.2	0.027051654	1.541072571
tsc22d3	XM_012967993.1	0.059939988	1.536699733
map3k1	XM_012966894.2	0.026059899	1.535434974
sox17b.2	NM_001097368.1	0.016072498	1.531886979
ank3	XM_018095803.1	0.060307503	1.52900217
fth1	NM_203677.1	0.009374447	1.51555087
errfi1	NM_001142047.1	0.017426139	1.514569393
gadd45a	XM_012961068.2	0.027051654	1.506097162

Table S38: Gene transcripts down regulated in *X. tropicalis* embryos overexpressing FGF4, when filtered using low stringency criteria. Embryos were collected at neurula stage 14 for RNA-Seq analysis. Gene transcripts with a q value ≤ 0.1 and effect size ≤ 0.75 are classed as down regulated for data set comparison analysis.

Gene	Transcript ID	q-value	Effect Size
LOC100497306	XR_001923491.1	0.002395386	0.021086369
cfap47	XM_012957626.1	0.018865286	0.031143536
slc8a2	XM_002939246.4	0.0097868	0.039044794
LOC100497037	XM_002942954.4	0.003392383	0.040494741
dync1li2	XM_004913576.3	0.064719971	0.041578177
LOC100158544	XM_012960647.2	0.042539083	0.041817766
klc1	XM_012968488.2	0.024813384	0.045608722
klhl13	XM_018096227.1	0.08940641	0.055233341
emilin2	XM_018095042.1	0.056832302	0.057514813
spef2	XM_012967692.2	0.072984494	0.081112223
pax6	XM_018092995.1	0.039280105	0.082281433
znf180	XM_012959249.1	0.042539083	0.089521817
dzip1l	XM_018093954.1	0.048505934	0.121625704
spib	NM_001145984.1	0.051400874	0.126108015
spib	XM_018095307.1	0.000836522	0.137050666
ca8	XM_012964600.2	0.056896557	0.190985931
LOC100494953	XM_012965004.1	0.015416774	0.251986308
ak7	NM_001011352.1	0.002025822	0.264274345
unc13d	NM_001127035.1	0.012868324	0.269311401
pax6	NM_001006762.1	0.009277664	0.273419488
pax6	XM_012960859.1	0.030282679	0.273505064
cebpa	NM_001011044.1	0.001241225	0.276828341
bod1	XM_012954581.2	0.084838802	0.279588073
agr2	XM_012964714.2	0.082258828	0.2944188
morn3	XM_002937694.4	0.013719987	0.300441935
nr2f2	NM_001114231.1	0.099887597	0.304401987
pou2f3	XM_012967083.2	0.033157528	0.304821707
tmem119	XM_002939190.4	0.05317234	0.309807795
tp63	XM_004914374.2	0.052073614	0.318786867
prdm12	NM_001079430.1	0.044446871	0.332442951
LOC100125107	NM_001103015.1	0.039835909	0.368220107
mdh1b	XM_002937125.4	0.019897542	0.387854206
ctbs	NM_001011500.1	0.039068822	0.389011979

LOC105947795	XR_001171269.2	0.091646527	0.391384915
ccdc185	XM_002939754.2	0.041899984	0.391769929
hepacam2	XM_002934597.4	0.008907126	0.404671398
clmn	XM_002936068.4	7.80341E-05	0.418799371
ugt8	XM_002934246.4	0.013098655	0.420579151
drc1	XM_002938174.2	0.086827518	0.424534525
eps8l1	XM_002938280.4	3.00617E-06	0.430374294
LOC100486832	XM_002933062.4	0.020159784	0.432871307
LOC101730623	XM_004920411.3	0.072454828	0.438486664
plppr3	XM_018090851.1	0.029013976	0.44015425
or51e1	NM_001126801.1	0.003392383	0.44050733
slc23a2	NM_001126689.1	2.41328E-05	0.459332118
greb1l	XM_012964372.2	1.71121E-05	0.461174327
plppr3	NM_001126788.1	0.027330251	0.468920113
hmha1	XM_012967587.2	0.000784209	0.469645198
LOC100491113	XM_002937513.4	0.001175115	0.475362991
cygb	NM_001006869.1	0.004887496	0.481087688
b3galt2	XM_002941779.4	0.055427174	0.487277557
ag1	NM_213699.1	0.015171968	0.488717109
LOC100494680	XM_012967250.1	0.000185942	0.498831127
mkl1	XM_012961406.2	0.055372204	0.49981188
LOC100492494	XM_002934634.4	0.000292008	0.502358166
foxi4.1	NM_001016787.2	0.058455808	0.504272048
ankef1	NM_001078883.1	0.06548697	0.509540612
hes7.1	XM_018092140.1	0.082307704	0.510568972
lrp2	XM_012971045.2	0.076293367	0.512178052
cfap74	NM_001197252.1	0.053052013	0.51324091
arhgap45	NM_001114499.1	0.001358486	0.515308942
ets1	XM_012966189.2	0.036524668	0.515417582
fam3d	XM_012960902.2	0.027051654	0.52587003
galnt16	NM_001045626.1	0.009277664	0.527957982
otx1	NM_203885.1	0.069801427	0.531700511
dhx32	XM_012959634.2	0.000836522	0.532075305
LOC100487395	XM_004911907.2	0.099234184	0.532984617
slc16a3	XM_012966459.2	0.000784209	0.533095825
hoxb1	XM_004918662.3	0.000516008	0.537205358
tox	XM_012965282.2	0.030282679	0.543028965

otx1	XM_012962849.2	0.086827518	0.543554795
nkain1	NM_001079128.1	0.041119419	0.545245803
ets1	NM_001130368.1	2.41328E-05	0.545297328
slc35a3.2	XM_012966299.2	0.003691665	0.548295362
gchfr	NM_213715.1	0.082158218	0.55837996
capns1	XR_001923778.1	0.000175944	0.559477532
rsph1	XM_002942549.4	0.052257645	0.564310479
LOC100158459	NM_001127900.1	0.000784209	0.565276713
LOC101730335	XM_004913955.2	0.076293367	0.570128603
axl	NM_001097188.1	0.029938522	0.571096835
fzd8	NM_001097391.3	0.004887496	0.573060026
pkdcc.2	NM_001127116.1	0.027330251	0.573799249
ern2	NM_001078811.1	0.084952436	0.573973378
znf219	XM_002934275.4	0.044658601	0.583366979
LOC100145695	NM_001127069.1	7.08248E-05	0.585458973
slc9a3r2	NM_001142062.1	0.08399354	0.586466417
hes3	XM_002933842.4	0.06564114	0.586590484
msi1	XM_012961432.2	0.019897542	0.587320328
fzd4	XM_002936543.4	0.053442711	0.591572469
cdh11	NM_001015858.1	0.025983165	0.596389217
twist1	NM_204084.2	0.097389329	0.598639852
runx1t1	XM_002934415.4	0.06867433	0.608394959
celf3	NM_001016491.2	0.09905499	0.608483351
ap3b1	XM_012967368.2	0.001720663	0.608610837
dpysl3	NM_001005637.1	0.042539083	0.609334314
atp6v1b2	NM_001078714.2	0.076293367	0.611178302
actn1	NM_001079198.1	0.001241225	0.611427383
sytl2	NM_001007878.2	0.075665967	0.612556258
syt16	XM_012969388.2	0.025138754	0.613949657
LOC100216141	NM_001142116.1	0.000784209	0.620028205
ccdc180	XM_012968714.2	0.065735589	0.62313273
eppk1	XM_018090316.1	0.000320603	0.630667707
agbl2	NM_001079063.1	0.065960878	0.636376286
slc13a3	NM_001015776.1	0.05163333	0.638909913
fblim1	NM_001078804.1	0.083563439	0.639286902
nlrc4	XM_002933867.4	0.058455808	0.640148363
slc13a4	NM_001030500.1	0.016009577	0.642041044

eppk1	XM_012954676.2	0.007099309	0.646211817
lpcat4	NM_001044398.1	0.001447651	0.648828588
trim29	XM_004916119.3	0.057272813	0.650419616
LOC100494095	XM_018097515.1	0.093379746	0.650919008
anxa4	NM_001016047.2	0.003100449	0.652351587
LOC100491105	XM_012958734.2	0.01189994	0.653718045
oaf	XM_002935011.4	0.097549039	0.662761509
mmp3	NM_001030331.2	0.002652085	0.666881639
vtcn1	NM_001008188.1	0.00276722	0.66781467
serpina1	XM_004917080.2	0.029957998	0.668368437
efs	XM_012964450.2	0.059808177	0.669503557
LOC100485697	XM_002939393.4	0.041826173	0.669512105
ripply2.2	XM_002933915.4	0.030282679	0.670780096
syt8	XM_012960380.2	0.056067172	0.675924415
col18a1	XM_012970906.2	0.01043909	0.676597215
celsr2	XM_002932136.4	0.025085057	0.676885285
efnb3	NM_001113010.1	0.017426139	0.678412323
prrt4	XM_018092364.1	0.060307503	0.679257392
atp2a2	XR_001923782.1	0.005578601	0.680144078
osbpl2	NM_205832.1	0.025108199	0.684476984
LOC108644449	XM_018090110.1	0.075043393	0.684641724
sgsm3	XM_012960675.2	0.053813303	0.684978317
sp7	NM_001135118.1	0.04317473	0.685235881
znf185	XM_018096828.1	0.05163333	0.68744895
fgfr4	XM_012959004.2	0.029373122	0.687708766
s1pr5	NM_001127068.1	0.019897542	0.691319098
tmem45b	NM_001011108.1	0.019555565	0.69814305
c5orf42	XR_001171457.2	0.062886692	0.698416052
MGC75872	NM_203836.1	0.05163333	0.698922937
notch3	XM_018092518.1	0.023040129	0.701229494
mtf1	XM_002939479.4	0.058455808	0.701700247
net1	XM_012959295.2	0.057272813	0.705409258
nek2	NM_001001457.2	0.023948639	0.709276811
dsp	XR_001171073.2	0.044446871	0.710644324
alas1	NM_001008071.1	0.058513686	0.713243639
cers2	NM_001097273.1	0.043338851	0.715656726
cep131	NM_001045711.1	0.044725616	0.716805357

irx3	NM_001001216.1	0.041899984	0.717282619
nucb1	NM_213689.2	0.047933648	0.718204839
arhgap12	XM_004915452.3	0.071476257	0.720001113
rpa2	NM_001006794.1	0.072134561	0.720584675
meis3	NM_001006781.1	0.036597279	0.720908922
alcam	XM_018091364.1	0.052156652	0.721281605
lztr1	XR_001923959.1	0.066338134	0.723250351
fam3b	NM_001015990.2	0.059087879	0.726340373
sox11	NM_001008052.1	0.05317234	0.731092976
b4galt3	XM_004919458.3	0.099234184	0.734531218
greb1l	NM_001130279.1	0.099234184	0.744158583
bsg	NM_001016684.2	0.088351641	0.745452209
capn1	NM_001013614.1	0.099234184	0.748305709

Table S39: Gene transcripts up regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR1, when filtered using low stringency criteria. Embryos were co-injected with *ifgfr1* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR1 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 10 and fold change ≥ 2 are classed as up regulated for data set comparison analysis. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR1 uninduced (FPKM)	iFGFR1 induced (FPKM)	Fold change
foxa4-b	c.Audic201207_X015973	JGIv7b.000031469_915655-919113+	0.313585626	52.21571683	166.5118312
foxa4-b	c.Audic201207_X039184	JGIv7b.000146669_874246-877928+	1.184762938	65.15259879	54.99209733
pou4f2	c.Ueno201210eye_X001811	JGIv7b.000190940_1080000-1081640+	0.584175905	30.49565372	52.20286123
foxd3	c.TeperekTkacz201206_X004421	JGIv7b.000155039_2084699-2086670-	0.6084473	26.27640717	43.18600338
foxa4-a	c.Chang2013_X041679	NIGv2.S00005482_210567-214238+	2.123924318	81.94206857	38.58050302
foxa4-b	c.Taira201203st10_X004823	NIGv2.S00000078_44808-48405-	1.245590874	44.73133804	35.91174194
egr1	c.Taira201203brain_X018756	NIGv2.S00005800_18710-21936+	0.545429544	18.46761647	33.85884881
foxd3	c.TeperekTkacz201206_X006041	NIGv2.S00003736_147094-147948-	0.36863514	10.11227708	27.43166881
rnf223	c.Taira201203stomach_X001511	JGIv7b.000066475_1968499-1980832-	1.305931875	34.02772804	26.05628111
egr1	c.Taira201203brain_X018066	NIGv2.S00002014_841622-844998-	0.939158311	24.34957941	25.92702331
egr1	c.Taira201203brain_X011529	JGIv7b.000100253_3060022-3063473+	0.874897897	22.58444944	25.81381155
fos	c.Park201106_X025879	NIGv2.S00000289_582069-583696+	0.871071183	19.3112537	22.16954719
lefty-a	c.Audic201207_X034596	JGIv7b.000102974_5086276-5089519+	2.213834288	43.41729469	19.61180876
ikzf2	c.Ueno201210st09_X000205	JGIv7b.000020345_864299-915085+	2.817866898	43.63827658	15.48628028
fos	c.Chang2013_X035972	JGIv7b.000289484_63570-66916-	1.790127735	26.69304428	14.91125117
wnt11b	c.Ueno2012102cells_X000642	JGIv7b.000036991_2149589-2155869-	3.999659383	56.38017409	14.09624388
apold1	c.Ismailoglu201203_X011798	JGIv7b.000245044_7730288-7735262-	1.623152633	22.1431619	13.64207003
Unnamed	c.Chang2013_X002796	JGIv7b.000006875_1358573-1361506-	5.528277069	72.93973086	13.19393546
foxd3	c.Ismailoglu201203_X013633	NIGv2.S00002412_456842-458632+	1.264744472	16.48428135	13.03368523
errfi1	c.Quigley201212_X035271	JGIv7b.000107078_477441-495564+	1.206907928	13.03739181	10.80230854
dusp5	c.Quigley201212_X053012	NIGv2.S00001026_193780-200530+	4.13642919	43.78678544	10.5856485
spry4	c.Ismailoglu201203_X002897	JGIv7b.000018892_7465341-7478014-	1.729332496	18.00513414	10.41160921
osbp	c.Audic201207_X051959	NIGv2.S00000286_2585-35077+	14.95632642	153.9469795	10.29310107
egr1	c.Taira201203stomach_X000018	JGIv7a.000034958_233120-235726+	1.367259195	13.36121907	9.772264916
dusp5	c.Quigley201212_X012016	JGIv7b.000020641_3538718-3561871+	3.246167464	30.70194721	9.457906146
osbp	c.TXGP201107_X010742	NIGv2.S00004591_55245-117384-	6.860881365	63.76210669	9.293573713
fosl1	c.Park201106_X028035	NIGv2.S00005836_14776-22338-	1.871230126	17.38332244	9.289783336
Unnamed	c.Quigley201212_X055429	NIGv2.S00003574_520508-521701+	1.616262062	13.07440663	8.089286348
not-b	c.Quigley201212_X014344	JGIv7b.000027038_130890-133875+	4.15874426	33.49175639	8.053333964

spry2	c.Audic201207_X052492	NIGv2.S00000643_130056-136068-	2.984761024	23.99971908	8.04075063
spry1	c.Taira201203brain_X010913	JGIv7b.000088765_2315207-2319681-	4.488764317	35.88615891	7.994663203
nceh1	c.Taira201203brain_X017739	NIGv2.S00000889_759922-776969-	1.606412948	12.83264947	7.988387722
spry2	c.Audic201207_X054919	NIGv2.S00002909_415640-422578+	1.907321464	14.93362181	7.829630243
ngfr	c.Chang2013_X024955	JGIv7b.000093635_64090-85740+	2.874134302	22.3417191	7.77337339
junb	c.Chang2013_X041349	NIGv2.S00003944_349007-351498-	2.543319366	19.13805584	7.524833923
krt8.2	c.Chung201110_X000014	JGIv7a.000007633_445718-449352-	2.640490691	19.8279457	7.509189777
ngfr	c.Audic201207_X015285	JGIv7b.000030080_1829483-1860819-	1.930593739	14.36985885	7.443232906
Unnamed	c.JGIL6RMv1_XeXenL6RMv10032768m	JGIv7b.000007555_1690594-1693172-	5.831839881	42.98066329	7.370000577
foxd4l1.2	c.Chang2013_X037957	JGIv7b.000399468_514029-542898+	17.20694472	125.3733333	7.28620539
junb	c.Quigley201112_X009510	JGIv7b.000049557_382078-384166+	1.828761815	13.17596866	7.204857707
spry1	c.Taira201203st09_X003581	JGIv7b.000112610_1220629-1226046-	10.24825639	73.59922272	7.181633627
fosl1	c.Park201106_X019396	JGIv7b.000146669_21308-29063+	2.330336581	16.71434044	7.172500562
spry2	c.Audic201207_X030319	JGIv7b.000078860_6146766-6153564+	2.999256461	21.34401725	7.116436201
alpl	c.Amin201106_X013889	JGIv7b.000057316_132815-157362-	1.462723485	10.31784331	7.053857695
junb	c.JGIL6RMv1_XeXenL6RMv10045874m	JGIv7b.000055171_792459-795115-	4.239025688	29.87100335	7.046667218
egr1	c.Taira201203eye_X000962	JGIv7b.000005925_9273425-9276879-	1.633906844	11.435274	6.998730707
not-b	c.Quigley201212_X051451	NIGv2.S00000041_493324-495640+	2.070956266	13.96431637	6.742931562
dusp5	c.Ueno2012102cells_X001948	NIGv2.S00001077_958469-965383+	1.729022413	11.14376118	6.445122456
osbp	c.TXGP201107_X001151	JGIv7b.000011978_364042-432008+	11.17044636	70.79738884	6.337919415
dusp5	c.Quigley201212_X000080	JGIv7a.000007470_1302915-1309880-	2.547504118	15.73038425	6.174821912
epha2	c.Quigley201212_X056625	NIGv2.S00008960_22620-53081-	1.79239192	10.91224269	6.088089649
foxb1	c.UniGene_Xl_S13590653	JGIv7b.000038656_1756198-1758738+	5.412586124	32.69202275	6.040000473
spry2	c.Ismailoglu201203_X011410	JGIv7b.000221007_977829-985672+	2.583627789	15.54539963	6.016888226
rgs2	c.Taira201203brain_X006741	JGIv7b.000043394_989785-993631+	3.314609163	19.92305528	6.010680082
Unnamed	c.Taira201203st20_X000469	JGIv7b.000007555_1662265-1664543+	4.734684435	26.90422343	5.682368866
admp	c.Chang2013_X033894	JGIv7b.000231526_1125358-1130767+	6.196042971	35.11899471	5.667971458
rnf220	c.Taira201203st25_X005237	JGIv7b.000402161_441243-470221-	2.681773222	15.19419479	5.665726939
fos	c.Taira201203intestine_X003495	JGIv7b.000039723_6574477-6577523+	5.169591821	29.09540497	5.628182259
galr3	c.Taira201203st20_X000598	JGIv7b.000010188_870556-877466-	2.105160995	11.80694673	5.608571868
ventx	c.Park201106_X027070	NIGv2.S00002220_964607-965382-	1.843175701	10.31419519	5.595882791
Unnamed	c.JGIL6RMv1_XeXenL6RMv10025054m	JGIv7b.000016863_2508114-2510618-	5.811361528	32.51969797	5.595882791
galr3	c.Taira201203st15_X003370	NIGv2.S00006564_172129-178825-	2.496665268	13.43524386	5.381275589
Unnamed	c.Chung201110_X001591	JGIv7b.000016863_2485228-2487193+	4.961968095	26.19354583	5.278862202
epha2	c.Quigley201112_X011535	JGIv7b.000061932_192989-223729-	2.650612783	13.87740585	5.235546262
foxd4l1.1-b	c.Chang2013_X039478	NIGv2.S00001139_12051-40798-	16.24291263	84.15052718	5.180753544

zxdc	c.Taira201203eye_X014955	NIGv2.S00000309_453048-462189-	12.85825753	66.43150198	5.166446686
epha2	c.Audic201207_X000455	JGIv7a.000391732_23497-54160-	2.775685192	14.20862995	5.118963056
Unnamed	c.XGI_TC424259	JGIv7b.000189728_169429-172053+	4.057630668	20.45557214	5.041260237
sgk1	c.Taira201203ovary_X003188	JGIv7b.000039762_1596878-1614597+	24.41926587	121.0690054	4.957929778
spry1	c.Amin201106_X029644	NIGv2.S00003069_305986-309195+	7.798181961	38.60495217	4.950506717
abr	c.Taira201203egg_X003028	JGIv7b.000036364_1736823-1966829-	3.778438912	18.21497076	4.820766242
atf3	c.Audic201207_X014545	JGIv7b.000027161_1692061-1703335+	2.817545826	13.41802121	4.762308065
loc398207	c.Quigley201212_X033084	JGIv7b.000094770_18082-25147+	67.59699823	321.401717	4.7546744
prom1	c.Taira201203heart_X008968	NIGv2.S00004178_26060-52571-	2.700575008	12.7287755	4.713357512
arl5c	c.XGI_TC426294	JGIv7b.000075417_5337831-5344493-	8.637645331	40.2959516	4.665154686
ventx2.1-b	c.Chang2013_X040334	NIGv2.S00002220_941952-942984+	2.936928315	13.69848739	4.664222587
btg2	c.Quigley201112_X018699	JGIv7b.000196263_531292-533437-	21.45507716	97.41570899	4.540450183
epha2	c.Quigley201212_X056611	NIGv2.S00008933_69621-94880+	2.334609118	10.47054849	4.484925724
il17rd	c.Taira201203st25_X001673	JGIv7b.000033876_403578-455425-	4.715040614	20.83928367	4.419746378
fgf16	c.Chang2013_X013443	JGIv7b.000036991_406385-430090-	2.542213801	11.02090772	4.33516163
sp5l	c.JGIL6RMv1_XeXenL6RMv10032472m	JGIv7b.000070222_2093542-2103684-	16.15375478	68.89562187	4.264991193
foxd4l1.1-b	c.Chang2013_X038965	NIGv2.S00000686_540615-542511+	31.63146148	131.6689289	4.162593909
tspan1	c.Audic201207_X053503	NIGv2.S00001300_769342-778120+	41.84662996	172.2516225	4.116260322
c8orf4	c.JGIL6RMv1_XeXenL6RMv10015593m	JGIv7b.000051940_459946-461083-	2.879744267	11.82463506	4.106140672
nkx6-2	c.Taira201203stomach_X000612	JGIv7b.000016863_7857243-7863497-	3.514483256	14.37679363	4.090727593
zswim4	c.Ueno2012102cells_X001536	JGIv7b.000175714_234323-250264-	13.80142194	56.40733599	4.087066987
Unnamed	c.JGIL6RMv1_XeXenL6RMv10028945m	JGIv7b.000043061_1325599-1369985-	34.88188381	142.2260825	4.07736243
zfhx3	c.Ueno201210testis_X000088	JGIv7b.000054743_564706-609173-	4.090772989	16.61418208	4.061379628
foxd4l1.1-b	c.TeperekTkacz201202_X000807	JGIv7b.000106782_2609184-2610932+	19.810027	79.12818597	3.994350233
il17rd	c.Quigley201207_X011235	JGIv7b.000177844_221181-278096+	6.125144615	24.33506535	3.972978089
sp5l	c.Chang2013_X040311	NIGv2.S00002193_122413-127676-	8.999150204	35.63263797	3.959555866
zswim4	c.TXGP201107_X010004	NIGv2.S00000140_899537-914561+	8.76873467	34.48764008	3.933023564
tspan1	c.Ueno201210kidney_X001802	JGIv7b.000276272_818115-826957+	48.93154396	191.6253658	3.916192916
ctdspl	c.Park201106_X027161	NIGv2.S00002443_4948-59702-	7.969590663	31.04333472	3.895223235
epha2	c.Quigley201212_X017280	JGIv7b.000036295_614456-639673+	3.333496602	12.76810603	3.830244202
Unnamed	c.Chung201110_X007823	NIGv2.S00000344_20967-21758+	4.090367866	15.59816845	3.813390129
ube2d4	c.Chang2013_X040068	NIGv2.S00001762_346751-356481+	3.796313589	14.21643624	3.744800293
zfp36	c.JGIL6RMv1_XeXenL6RMv10040123m	JGIv7b.000039723_7387958-7392779-	4.083678733	15.16981321	3.714742075
plekhf1	c.Taira201203eye_X009501	JGIv7b.000090484_2341390-2351413+	2.901685175	10.53108174	3.62929853
foxb1	c.Taira201203st25_X002682	JGIv7b.000059883_5087873-5104165+	5.073281638	18.29364623	3.605880282

zswim4	c.Quigley201212_X043391	JGIv7b.000196085_262387-280251+	4.823357157	17.39209747	3.605807511
Unnamed	c.Quigley201212_X053887	NIGv2.S00001621_263619-264537+	44.9149855	154.4461168	3.438632231
id3	c.Quigley201212_X005126	JGIv7b.000008834_232083-234500+	23.85311401	81.69754307	3.42502631
pnp	c.TXGP201107_X009208	JGIv7b.000272406_956346-987977+	24.28310845	82.47977855	3.396590627
dusp6	c.Taira201203intestine_X000605	JGIv7b.000005925_3135577-3141562+	5.080065751	17.15859185	3.377631843
nr4a1	c.Chang2013_X003428	JGIv7b.000008129_5366815-5397268+	3.712866466	12.47347473	3.35952689
pgbd4	c.Park201106_X015855	JGIv7b.000086967_109082-110412-	9.523758635	31.93753026	3.353458596
oct25	c.Chang2013_X013645	JGIv7b.000037448_494399-508009-	114.4238016	382.225115	3.340433629
id3	c.Audic201207_X054642	NIGv2.S00002590_1022943-1025176-	17.49103974	58.04610842	3.318619663
mt-nd4l	c.JGIL6RMv1_XeXenL6RMv10002896m	JGIv7b.000323037_5513-7181-	177.9328759	583.8943625	3.281542882
Unnamed	c.Taira201203st35_X000022	JGIv7a.000047289_152305-224116+	6.411837572	20.96980327	3.270482609
lin37	c.Audic201207_X049130	JGIv7b.000307846_811219-823366-	5.467087275	17.77256192	3.25082828
tmprss4	c.Taira201203eye_X000029	JGIv7a.000009254_411237-436658+	3.69536134	11.92090067	3.225909344
foxi4.2-a	c.TeperekTkacz201205_X000008	JGIv7a.000018793_674234-677181+	4.945185013	15.88569939	3.212356939
Unnamed	c.Quigley201212_X035078	JGIv7b.000106323_1083723-1084134+	3.597737186	11.5442401	3.208750251
fhdc1	c.Taira201203skin_X002522	JGIv7b.000061741_179945-216324+	7.362669021	23.38031162	3.175521207
pfkfb3	c.Taira201203st10_X000227	JGIv7b.000005375_625926-678516+	35.55226488	112.5318771	3.165251988
traf4	c.Audic201207_X017275	JGIv7b.000035361_3685547-3718641+	7.63868823	23.95936535	3.136581128
dlc1	c.Ueno201210st09_X001047	NIGv2.S00001159_809839-852895+	3.798155821	11.89008141	3.13048805
ptgs2	c.Ueno201210heart_X000956	JGIv7b.000078978_2024793-2032785+	15.36543413	47.74994783	3.107621133
qser1	c.Quigley201212_X028931	JGIv7b.000074352_3829490-3877907-	13.10587777	40.64108157	3.100981276
plk3	c.Audic201207_X049533	JGIv7b.000325141_1226916-1240949-	5.054477079	15.62700403	3.091715282
dusp6	c.Amin201106_X009592	JGIv7b.000037038_2504489-2510048+	7.073891856	21.79709417	3.081343991
ctdspl	c.Audic201207_X054871	NIGv2.S00002830_708728-756944-	6.844598013	20.91315903	3.055425459
fam175b	c.Quigley201212_X051814	NIGv2.S00000271_73012-90228+	9.421939987	28.73105341	3.049377671
tbx20	c.UniGene_Xl_S20247712	JGIv7b.000097703_120617-134222-	3.662803281	11.12416207	3.037062385
irg1	c.Quigley201212_X033094	JGIv7b.000094770_38299-44565+	423.9313256	1280.432848	3.020377996
Unnamed	c.Quigley201212_X036085	JGIv7b.000114072_64718-66152+	3.344239541	10.09960421	3.020000236
Unnamed	c.Taira201203st09_X005221	NIGv2.S00003550_318830-363395+	7.65376835	23.08310431	3.015913633
cnrip1	c.JGIL6RMv1_XeXenL6RMv10019617m	JGIv7b.000012020_8863935-8876649+	4.501655981	13.41128588	2.979189422
wee1	c.Taira201203intestine_X003798	JGIv7b.000043483_5018073-5034433-	8.869494803	26.41111083	2.977746919
zfp36l1	c.Audic201207_X044942	JGIv7b.000218195_958966-963341-	20.80128158	61.87228177	2.974445663
il17rd	c.Taira201203ovary_X009242	NIGv2.S00006710_44986-98686-	5.879730487	17.48774523	2.974242657
plekhg7	c.Audic201207_X003434	JGIv7b.000005925_2191478-2233261-	5.71680164	16.9769966	2.969666899
hes1	c.Audic201207_X056383	NIGv2.S00006801_117807-121869+	6.089479216	18.00101748	2.956084888
qser1	c.Taira201203heart_X008699	NIGv2.S00001820_455281-505102+	5.197948923	15.31396515	2.946155374

foxd4l1.1-a	c.TeperekTkacz201202_X001018	JGIv7b.000214452_17356-19212-	35.91834945	105.8120623	2.945905476
Unnamed	c.Amin201106_X030267	NIGv2.S00006237_9504-12190-	4.63457474	13.62984399	2.940904992
r3hdm1	c.Taira201203st25_X001222	JGIv7b.000021603_2581608-2660653+	3.651376532	10.72084804	2.936111341
nlk	c.Taira201203liver_X002808	JGIv7b.000112554_594124-701747-	9.341585289	27.38588472	2.931609986
dlc1	c.Ismailoglu201203_X004054	JGIv7b.000032657_820019-864998+	7.146212795	20.92697644	2.928400965
Unnamed	c.Quigley201212_X043068	JGIv7b.000189306_154205-225337-	6.259244576	18.31776914	2.926514361
tmcc1	c.Ismailoglu201203_X011962	JGIv7b.000255257_383208-503045-	5.427920706	15.76785241	2.904952608
setd2	c.JGIL6RMv1_XeXenL6RMv10033051m	NIGv2.S00003637_448414-489792-	14.69043447	42.56212342	2.897267845
brd4	c.Taira201203egg_X006587	JGIv7b.000171831_818651-864287+	8.343496037	24.17070701	2.896951937
mrrf	c.TeperekTkacz201206_X001915	JGIv7b.000034020_290760-308242+	130.300021	376.5106031	2.88956671
cdc25b-b	c.Quigley201212_X056550	NIGv2.S00007616_27531-41541+	20.89668995	60.33964195	2.887521521
hes1	c.JGIL6RMv1_XeXenL6RMv10038392m	JGIv7b.000030987_2402981-2405745+	12.00560606	34.61717235	2.883417311
abr	c.Ismailoglu201203_X006801	JGIv7b.000060518_1500403-1765004-	8.037611373	23.13763215	2.878670176
rhob	c.Ueno201210heart_X001032	JGIv7b.000093416_2010188-2013106-	33.30525139	95.51157763	2.8677633
sall3	c.XGI_TC413628	JGIv7b.000073623_1735417-1754415-	3.712376017	10.610767	2.85821451
pcdh7	c.Quigley201212_X051463	NIGv2.S00000043_653361-678369+	4.777699701	13.64614785	2.856217155
qser1	c.Taira201203intestine_X004509	JGIv7b.000051988_3546351-3596687+	6.735001222	19.17382439	2.846892488
adamts1	c.Ueno201210brain_X000211	JGIv7b.000006590_8831863-8841000+	3.92297814	11.15048933	2.842353164
gga1	c.Audic201207_X041074	JGIv7b.000166365_194642-224658-	3.955147859	11.21975697	2.836747795
znf629	c.Taira201203st15_X003375	NIGv2.S00007957_89052-92237+	16.16771229	45.84742234	2.835739622
c17orf39	c.Park201106_X025916	NIGv2.S00000328_418181-425964-	6.405850325	18.07710101	2.821967434
Unnamed	c.Ismailoglu201203_X013932	NIGv2.S00005201_138114-190604-	4.817026773	13.57440364	2.818004607
dusp6	c.Amin201106_X027875	NIGv2.S00000135_1096113-1101558+	6.720197263	18.9264202	2.816348905
ctdspl	c.TXGP201107_X004600	JGIv7b.000052573_13749417-13799745-	9.084445741	25.56962835	2.814660254
cdc25b-a	c.Quigley201212_X014347	JGIv7b.000027038_1265417-1280660+	23.59743248	66.36177032	2.812245373
mmp25	c.Taira201203kidney_X013952	NIGv2.S00000005_437046-450973+	5.508207511	15.4748793	2.809421989
hes1	c.Amin201106_X028288	NIGv2.S00000545_1573064-1575318+	9.452146589	26.55104057	2.808995853
zfp36	c.Taira201203lung_X004136	JGIv7b.000050079_4487130-4491744+	6.294453772	17.62954811	2.800806671
kif24	c.Taira201203ovary_X008075	JGIv7b.000293433_8191-46796+	10.35414678	28.96017084	2.796963522
chrd	c.mgEST_1013254047	JGIv7b.000076530_235681-307837-	6.905629717	19.28982057	2.793347075
prickle1	c.Taira201203egg_X004705	JGIv7b.000074339_3116341-3188715-	21.68728896	60.45886239	2.787755653
adamts1	c.Taira201203st10_X004993	NIGv2.S00001450_113400-122640-	5.090675746	14.13401599	2.77645183
iyd	c.Taira201203intestine_X003967	JGIv7b.000045784_2485606-2494783-	14.94665782	41.4310711	2.771928788
atp6v0c	c.JGIL6RMv1_XeXenL6RMv10023514m	JGIv7b.000023403_4435801-4447982-	41.91088167	115.9581339	2.766778681
pou3f4	c.Quigley201212_X020593	JGIv7b.000046073_2406892-2453403+	45.54842129	125.9794056	2.765834732
atp6v0c	c.XGI_TC428762	JGIv7b.000000939_2385517-2396566+	35.83720028	99.05645898	2.764068013

pdgfb	c.Quigley201212_X030415	JGIv7b.000078978_3403347-3420648-	12.39468877	34.1491195	2.755141345
setd2	c.Taira201203spleen_X006385	NIGv2.S00009726_1023-70644+	10.71797465	29.42965477	2.74582239
c4bpa	c.Taira201203egg_X002316	JGIv7b.000024235_5436706-5481016-	4.947555537	13.58011624	2.744813299
Unnamed	c.Quigley201112_X001095	JGIv7b.000003737_943400-944398-	11.81047335	32.40228568	2.743521342
cdc25b-a	c.Chang2013_X041859	NIGv2.S00006568_301501-315199-	15.71201466	43.06922447	2.741164987
rnf111	c.Quigley201212_X026207	JGIv7b.000059883_2180394-2206352-	19.56598384	53.50839975	2.734766633
zfp36l2	c.Chang2013_X026204	JGIv7b.000102974_14415127-14420720-	15.88913305	43.33413921	2.727281537
cdc25b-b	c.Taira201203kidney_X000277	JGIv7b.000001168_7102490-7117401-	26.96695054	73.3518117	2.720063271
tnfsf10	c.Taira201203kidney_X007078	JGIv7b.000058994_2241454-2253392+	4.28446013	11.60864198	2.709476019
dusp6	c.Chang2013_X040497	NIGv2.S00002509_781274-787149+	4.927615039	13.32599817	2.704350494
arid1a	c.Quigley201212_X054694	NIGv2.S00002590_373032-409653+	29.56480887	79.91646821	2.703094363
yap1	c.UniGene_Xl_S55517271	JGIv7b.000006290_698493-749864-	18.38036736	49.65779528	2.701675887
traf4	c.Audic201207_X054480	NIGv2.S00002408_200802-233611+	5.569510645	14.98293524	2.690170859
nedd9	c.JGIL6RMv1_XeXenL6RMv10045561m	JGIv7b.000026933_203088-289217-	3.782145756	10.13330644	2.679247997
ubqln4	c.Chang2013_X038320	NIGv2.S00000118_633274-639666+	6.752591831	18.08521934	2.678263368
ptgs2	c.Chang2013_X004724	JGIv7b.000012423_153604-158988+	72.96227084	195.3023363	2.676757919
Unnamed	c.Ueno201210st08_X001383	NIGv2.S00001433_610306-618177-	4.611298626	12.30794668	2.669084716
tpbg	c.Chang2013_X029203	JGIv7b.000146478_52070-57563+	13.37983267	35.66924716	2.665896356
plk3	c.Taira201203kidney_X014170	NIGv2.S00000426_191175-202329+	8.540715233	22.76623689	2.665612454
pvalb	c.Taira201203eye_X003936	JGIv7b.000023403_7909307-7914069-	4.583534026	12.21377104	2.664706091
rbpms2	c.Audic201207_X054746	NIGv2.S00002724_560791-582133+	5.695978853	15.16095914	2.661695124
ube2r2	c.Amin201106_X027211	JGIv7b.000368488_122787-152516-	7.924649162	21.05105764	2.656402474
hes1	c.JGIL6RMv1_XeXenL6RMv10001368m	JGIv7b.000043648_488242-491835-	7.677842057	20.38694958	2.655296818
zfp36l2.2	c.Taira201203st10_X005009	NIGv2.S00001851_551564-552614+	6.961751931	18.44097434	2.648898513
rps3	c.JGIL6RMv1_XeXenL6RMv10003218m	JGIv7b.000050406_350421-370416-	106.7832583	281.9465224	2.640362608
tpbg	c.Chang2013_X038411	NIGv2.S00000183_60587-64063+	7.110287225	18.76320894	2.638881996
mll3	c.Taira201203st25_X001266	JGIv7b.000022415_2138891-2170684-	11.21300025	29.54325862	2.634732717
gpx4	c.Park201106_X000258	JGIv7a.000101906_462283-468199-	105.6244904	277.9607614	2.631593869
mt-nd4l	c.Taira201203st12_X004364	NIGv2.C23850859_23-547-	581.9104292	1526.97997	2.624080775
fblim1	c.Quigley201207_X004532	JGIv7b.000036295_812906-827448-	4.598962748	12.01081403	2.611635425
ube2d4	c.XGI_TC436250	JGIv7b.000051940_709036-720757+	8.939909786	23.23975233	2.599551102
insm1	c.Taira201203st10_X001311	JGIv7b.000027036_10589077-10592796-	6.178517244	16.05163063	2.597974562
id3	c.JGIL6RMv1_XeXenL6RMv10027462m	JGIv7b.000098463_1551637-1553867+	54.38169699	141.1256991	2.595095535
Unnamed	c.mgEST_1013119916	JGIv7b.000217632_684-2008-	25.47073331	66.09878528	2.595087644
arl4c	c.XenBase_83406002	JGIv7b.000004321_313412-316546-	10.29985413	26.72155654	2.594362619
mxi1	c.TeperekTkacz201206_X001389	JGIv7b.000020641_3480668-3492185+	32.53847635	84.3521594	2.592381969
mcmbp	c.Amin201106_X029621	NIGv2.S00002933_255375-265588-	312.7727382	810.7662662	2.592189686

jmjd1c	c.JGIL6RMv1_XeXenL6RMv10055243m	JGIv7b.000016863_9831243-9871130+	6.381140234	16.52844037	2.590201714
mtpn	c.Chung201110_X005395	JGIv7b.000120511_260622-267777-	4.220912051	10.83508208	2.567000201
prickle1	c.TeperekTkacz201206_X005778	NIGv2.S00000920_346369-410352-	11.87952865	30.4790326	2.565676929
zfp36l2	c.Park201106_X000114	JGIv7a.000017698_6247896-6253061+	13.15978393	33.75815107	2.565251166
mllt11	c.Audic201207_X054043	NIGv2.S00001891_257322-260562+	4.97010711	12.74410583	2.564151144
sec16a	c.Ismailoglu201203_X005368	JGIv7b.000046073_788164-814758+	6.138438867	15.69438031	2.556738064
irg1	c.Quigley201212_X017592	JGIv7b.000036991_115611-122292+	367.6724172	939.0728663	2.554102028
foxk2	c.Quigley201212_X040617	JGIv7b.000163806_1576700-1627098+	14.51404958	37.06114927	2.553467181
sall1	c.TeperekTkacz201205_X000856	JGIv7b.000033905_3475663-3497233+	24.23683298	61.80833031	2.550181798
sall1	c.Taira201203st12_X000017	JGIv7a.000020499_457812-477054-	22.82931907	58.20168069	2.549426924
Unnamed	c.JGIL6RMv1_XeXenL6RMv10045282m	JGIv7b.000134683_139728-146370-	9.059012489	23.03538425	2.542814052
pou3f4	c.Ismailoglu201203_X013681	NIGv2.S00002741_201687-204164-	25.02754274	63.57054422	2.540023401
smim1	c.JGIL6RMv1_XeXenL6RMv10016026m	JGIv7b.000208071_1424923-1438660+	4.307236216	10.87541925	2.524918231
lmo4.2-a	c.Chang2013_X039200	NIGv2.S00000905_413039-413728-	5.664760104	14.25631404	2.516666864
trib2	c.Audic201207_X032976	JGIv7b.000093416_6021763-6045133-	23.69423955	59.61392047	2.515966817
tmem65	c.Park201106_X022330	JGIv7b.000220448_1934734-1982450-	6.223874115	15.62991311	2.511283619
gstk1	c.UniGene_Xl_S27877943	JGIv7b.000016863_9369585-9377295-	7.519638265	18.82980233	2.504083529
whsc2	c.Quigley201212_X013424	JGIv7b.000024597_1013702-1040465+	13.20984841	33.01040894	2.498924129
arid1a	c.TeperekTkacz201205_X002770	NIGv2.S00003103_73152-114642-	29.57687809	73.84626334	2.496756525
lmo4.2-b	c.Chung201110_X003087	JGIv7b.000046073_3038757-3047978-	10.1932799	25.4300194	2.494782804
cnfn.1-a	c.Taira201203eye_X003017	JGIv7b.000015415_2887334-2894143+	5.436400772	13.55803385	2.493935679
trib2	c.Quigley201212_X052794	NIGv2.S00000877_812197-831768+	13.22322605	32.95560414	2.492251439
ubqln4	c.Chang2013_X010550	JGIv7b.000026819_2815543-2828727-	12.99706551	32.35204958	2.489181082
wwtr1	c.Ismailoglu201203_X005060	JGIv7b.000043628_607907-690457-	5.197622716	12.88689694	2.47938291
Unnamed	c.Taira201203stomach_X002092	JGIv7b.000131666_1060041-1072465+	4.266716918	10.57701139	2.478957849
Unnamed	c.Ueno201210st12_X000337	JGIv7b.000074488_887627-894002-	23.90038624	59.23669986	2.478482953
Unnamed	c.Taira201203kidney_X001646	JGIv7b.000011405_882624-883983+	13.5702025	33.55206933	2.47248111
ptch2-a	c.Ueno201210eye_X002089	JGIv7b.000325141_1096289-1126340+	15.44725308	38.15692211	2.470142873
pcdh7	c.Quigley201207_X013934	NIGv2.S00000276_187860-216129+	4.789307742	11.82924896	2.469928765
gne	c.Taira201203heart_X009112	NIGv2.S00009772_57857-67994-	4.733591959	11.67697553	2.466831876
prickle1	c.Taira201203ovary_X008432	NIGv2.S00000100_395291-453744-	6.33977674	15.62295514	2.464275286
cnot4	c.Taira201203st10_X000311	JGIv7b.000006546_995746-1041382+	5.815814931	14.30048092	2.458895458
Unnamed	c.Quigley201212_X038797	JGIv7b.000141248_113708-125597-	6.953799237	17.07869982	2.456024289
fam120a	c.Quigley201212_X026405	JGIv7b.000060550_26874-72193-	6.431320348	15.78660668	2.454644742
ube2d4	c.Amin201106_X026094	JGIv7b.000286644_752893-768344-	6.186585108	15.17674142	2.453169423
Unnamed	c.TXGP201107_X005709	JGIv7b.000075417_7817305-7831731+	6.455080905	15.8038795	2.44828527
pfkfb3	c.TXGP201107_X010066	NIGv2.S00000358_1134122-1185330-	19.28413659	47.15702852	2.445379305

vegt-a	c.Taira201203egg_X006435	JGIv7b.000162663_567657-580754+	4.275372209	10.44940821	2.444093215
fam120a	c.Taira201203intestine_X000085	JGIv7a.000163125_42277-87473+	6.108223284	14.90653395	2.440404232
oct91	c.Chang2013_X041872	NIGv2.S00006607_4387-6427-	36.25369576	88.45681399	2.439939215
sap130	c.Taira201203st08_X006159	NIGv2.S00000772_484028-527285+	5.915574075	14.400554	2.434345985
lmbrd2	c.Quigley201212_X023738	JGIv7b.000052441_5992095-6032818+	106.5502033	257.5500329	2.417170732
c11orf30	c.Taira201203st09_X003237	JGIv7b.000091476_208450-252040-	8.976687766	21.6592427	2.412832357
rcor1	c.Quigley201212_X054339	NIGv2.S00002188_732253-737062+	8.497005913	20.43925292	2.405465305
Unnamed	c.JGIL6RMv1_XeXenL6RMv10055418m	JGIv7b.000075417_5512673-5517835-	107.4468515	258.1849461	2.402908437
Unnamed	c.Quigley201212_X054313	NIGv2.S00002168_444164-451470-	34.2927045	82.2861561	2.399523669
foxk2	c.Ueno201210ovary_X000574	JGIv7b.000081941_2354504-2409334-	21.05097451	50.39855523	2.394119817
dact1	c.Taira201203egg_X006008	JGIv7b.000133644_1074197-1080957-	9.717047578	23.22974576	2.390617683
ube2r2	c.TeperekTkacz201206_X005975	NIGv2.S00002829_133324-161701-	4.732737608	11.30351054	2.3883662
znf300	c.Chang2013_X039925	NIGv2.S00001525_42890-44027-	5.594370576	13.34563062	2.385546405
cbll1	c.Taira201203eye_X000020	JGIv7a.000004902_492745-500470-	5.443900121	12.97940499	2.384210713
stox2	c.Ismailoglu201203_X013419	NIGv2.S00001296_506359-577550-	7.75320793	18.48400303	2.38404583
Unnamed	c.Taira201203heart_X000951	JGIv7b.000009528_1568246-1645156+	31.85133134	75.78860574	2.379448599
id3	c.Chang2013_X038432	NIGv2.S00000216_613700-615900-	11.35455332	27.01205599	2.37896245
ptgir	c.Taira201203intestine_X004425	JGIv7b.000050694_5395892-5415632+	7.887594579	18.76429133	2.37896245
zfp36l1	c.Amin201106_X000043	JGIv7a.000007480_2568139-2572061+	20.59575252	48.88177933	2.373391275
map4	c.Taira201203intestine_X004747	JGIv7b.000053445_737885-787424-	10.50326413	24.89838486	2.37053782
nlk.2	c.JGIL6RMv1_XeXenL6RMv10042324m	JGIv7b.000074488_639247-649778-	7.352761182	17.42329152	2.369625654
rnf144b	c.Quigley201212_X037711	JGIv7b.000133561_202078-228623-	7.000692423	16.57951348	2.368267663
rap1gds1	c.Taira201203brain_X012723	JGIv7b.000134539_1845685-1893311+	6.89412604	16.31193776	2.366063177
drosha	c.Taira201203kidney_X006805	JGIv7b.000057180_2913941-3058638-	13.66717014	32.32415415	2.365094882
proser1	c.Taira201203heart_X009067	NIGv2.S00006896_59500-64217+	5.129999787	12.12957264	2.36443921
gne	c.Ismailoglu201203_X012865	JGIv7b.000373511_68411-106737+	11.00202934	26.00305921	2.363478446
foxd1	c.Taira201203st25_X001585	JGIv7b.000032212_4425583-4427625-	5.08438708	12.01467173	2.363052133
cdc25b-a	c.Quigley201212_X000025	JGIv7a.000001422_178764-193695-	28.84250347	68.06924043	2.360032322
setd2	c.Taira201203lung_X005942	JGIv7b.000093635_127204-196840-	16.5584679	39.03766856	2.357565253
ppp1r3c.2	c.TXGP201107_X005057	JGIv7b.000059267_644643-648131+	10.18399188	24.0016931	2.356805992
plk3	c.Audic201207_X042421	JGIv7b.000179914_193398-208660+	6.559298571	15.43613467	2.353320939
sap130	c.Taira201203st30_X004774	JGIv7b.000376454_265800-310853-	5.431707617	12.76628107	2.350325527
fam126b	c.Ueno201210brain_X000726	JGIv7b.000020345_3471385-3524477+	26.83361955	63.04662156	2.349538475
arl5c	c.Ueno201210st10_X002261	NIGv2.S00001027_874397-876786+	4.974124086	11.68366571	2.348889073
cpne3	c.Quigley201212_X000082	JGIv7a.000007476_913467-937572+	6.041792691	14.16764957	2.34494136
Unnamed	c.Ueno201210st08_X000658	JGIv7b.000053445_144082-149511-	8.407299378	19.67427744	2.340142363
ccl4	c.JGIL6RMv1_XeXenL6RMv10052719m	JGIv7b.000185865_101962-103623-	7.858062481	18.38527707	2.339670513

cbll1	c.Quigley201212_X016353	JGIv7b.000033104_1491536-1501724-	6.318532396	14.77837625	2.3388938
admp	c.Taira201203st09_X002871	JGIv7b.000072621_234174-238201-	7.540860802	17.56497364	2.329306176
sap130	c.Ueno201210kidney_X001932	NIGv2.S00000048_1104876-1135564-	5.312009474	12.37188446	2.329040361
cnot4	c.Quigley201212_X000122	JGIv7a.000010744_557091-608188-	6.321216827	14.69461856	2.324650295
arhgap32	c.Ueno201210st09_X000818	JGIv7b.000166674_4168224-4317203+	8.997947912	20.88581874	2.321175777
Unnamed	c.Quigley201212_X054333	NIGv2.S00002180_83137-88626+	6.142073291	14.24519528	2.319281227
znf629	c.Quigley201212_X012224	JGIv7b.000021594_76004-85345+	23.70570163	54.97116693	2.318900651
Unnamed	c.Taira201203eye_X014436	JGIv7b.000348341_234261-244738-	11.64373505	26.99971313	2.318818919
znf214	c.Taira201203eye_X016061	NIGv2.S00005637_215-139265+	25.2816483	58.62081318	2.318710097
rbm38	c.Chang2013_X005908	JGIv7b.000013471_2316828-2331605+	8.047462848	18.61124172	2.312684392
wasl	c.Chang2013_X038876	NIGv2.S00000626_1526987-1553647+	13.19678526	30.508617	2.311821886
ubtd1	c.JGIL6RMv1_XeXenL6RMv10026325m	JGIv7b.000033265_1035702-1084538-	7.516700907	17.34061276	2.306944625
stc1	c.Chang2013_X017838	JGIv7b.000051940_55199-70780+	23.38115199	53.90846255	2.305637574
dynll1-a	c.Audic201207_X053894	NIGv2.S00001717_2085-4762-	35.47051488	81.64253975	2.301701569
pcdh18	c.Taira201203st40_X000098	JGIv7b.000002049_2891129-2899775+	5.888500594	13.53523791	2.298588188
ptgs2	c.Taira201203heart_X008958	NIGv2.S00003847_492214-500068-	56.64799223	130.1662994	2.297809583
tcf12	c.JGIL6RMv1_XeXenL6RMv10046048m	JGIv7b.000059883_1392797-1446315+	8.456536891	19.42608678	2.2971681
ube2d4	c.Quigley201212_X053841	NIGv2.S00001574_1842836-1872122+	26.72604767	61.37257357	2.296358007
btn2a2	c.Taira201203lung_X009178	NIGv2.S00001157_142042-156195-	12.27953542	28.15399732	2.292757532
pou3f1	c.Chang2013_X039997	NIGv2.S00001621_254496-259081+	101.3294323	231.8455538	2.288037627
arhgap32	c.Quigley201212_X029912	JGIv7b.000075966_233937-391054-	6.146088334	14.05099295	2.286168403
zfp36l2.2	c.Taira201203ovary_X008832	NIGv2.S00001851_569924-571028-	4.651974168	10.60558978	2.2798041
yap1	c.Park201106_X026813	NIGv2.S00001680_957584-1003064+	7.632048919	17.39135938	2.278727451
sall1	c.XenBase_288557289	JGIv7b.000062355_1954057-1972637-	31.24397458	71.17693219	2.278101078
chmp2a	c.Taira201203brain_X018099	NIGv2.S00002094_484041-490219+	170.7951658	388.4336822	2.274266256
setd2	c.Taira201203eye_X004501	JGIv7b.000030080_1758074-1797681-	8.076866865	18.35163351	2.272122819
yy1	c.Quigley201112_X024332	NIGv2.S00006278_257951-270087+	10.27831675	23.31699364	2.268561498
cyba	c.XenBase_148223280	JGIv7b.000098999_1011115-1022935-	4.721320724	10.69379228	2.265000177
fam160a2	c.Quigley201112_X024049	NIGv2.S00003774_3606-18413+	5.702149267	12.90418696	2.263039138
rilp	c.JGIL6RMv1_XeXenL6RMv10015407m	JGIv7b.000159212_770421-796026+	5.538257362	12.52026028	2.260685891
c11orf30	c.Taira201203spleen_X000042	JGIv7a.000061924_142955-159870-	5.476783922	12.36766455	2.258198375
cecr2	c.Quigley201212_X047146	JGIv7b.000256647_18135-55076-	32.86414121	74.08014997	2.254133144
Unnamed	c.XenBase_163914552	JGIv7b.000013523_1565097-1624882-	5.745385649	12.94855673	2.25373152
hdac11	c.Park201106_X028294	NIGv2.S00009370_249255-253568-	4.714228218	10.62297017	2.253384792
atxn7	c.JGIL6RMv1_XeXenL6RMv10027682m	JGIv7b.000034527_5612847-5683825-	10.950193	24.62512789	2.248830489
setd8	c.Quigley201212_X056664	NIGv2.S00009894_6829-7887+	7.518415874	16.90491246	2.248467329
thoc6	c.Ueno201302st10_X000045	JGIv7b.000026680_494689-511211+	5.261176848	11.80622792	2.244027953

bcl2l2	c.Quigley201212_X008586	JGIv7b.000013576_5785462-5797934+	8.883728263	19.89556018	2.239550737
stox2	c.Taira201203st10_X001828	JGIv7b.000041523_5067666-5142739+	11.58814917	25.94389984	2.238830331
cnpy3	c.TXGP201107_X010623	NIGv2.S00003318_757155-764558-	5.881460328	13.16478506	2.238353116
far1	c.Audic201207_X051915	NIGv2.S00000264_1323508-1340505+	10.12190235	22.62158923	2.234914786
Unnamed	c.Audic201207_X051124	JGIv7b.000394936_87460-90559+	4.885406563	10.91046849	2.233277486
ube2d4	c.Taira201203eye_X008955	JGIv7b.000079772_2548726-2578727-	50.27551367	112.259794	2.232892034
hnrnpa3	c.TeperekTkacz201205_X002644	NIGv2.S00000679_862568-872644+	27.06396321	60.34895634	2.229863966
rbm42	c.Chang2013_X038988	NIGv2.S00000706_368369-371959-	19.30214554	43.03229285	2.229404641
ist1	c.Ismailoglu201203_X012977	JGIv7b.000398601_219157-235506-	6.115690187	13.63389701	2.229330883
bcl9	c.TeperekTkacz201206_X005606	JGIv7b.000399803_808628-838129-	17.70981562	39.44509216	2.227301119
Unnamed	c.Audic201207_X054489	NIGv2.S00002441_336305-342411-	42.2452309	94.08679874	2.227157876
klf11	c.Quigley201212_X052018	NIGv2.S00000367_801548-812279-	5.717512685	12.72931168	2.226372267
gsk3b	c.Ismailoglu201203_X012736	JGIv7b.000347078_467801-512129-	9.430897842	20.97452009	2.224021556
myc	c.Taira201203st10_X004178	JGIv7b.000220448_3135106-3144671+	9.409498933	20.86540102	2.217482691
nrarp	c.Quigley201112_X007381	JGIv7b.000037448_51310-52352-	7.488457801	16.57144197	2.212931208
epn2	c.JGIL6RMv1_XeXenL6RMv10054083m	JGIv7b.000023403_830890-855155-	9.327003302	20.63436962	2.212325755
agmat	c.Taira201203kidney_X014957	NIGv2.S00003382_450731-459756+	135.6832169	299.7416065	2.209128096
trib2	c.Taira201203st08_X004667	JGIv7b.000149890_3630763-3651560-	10.26011289	22.61985275	2.204639753
rbpms2	c.Taira201203egg_X001120	JGIv7b.000012518_569310-590812+	7.819959894	17.21427692	2.201325474
arl5c	c.Chang2013_X038725	NIGv2.S00000489_675387-681630+	15.09962825	33.20064135	2.198772102
dusp1	c.Taira201203egg_X003211	JGIv7b.000040421_1071568-1075235+	13.27122681	29.1088384	2.193379618
cic	c.Taira201203lung_X001810	JGIv7b.000015415_3124989-3218472-	5.048510426	11.06568814	2.191871899
gltscr1	c.Taira201203kidney_X006118	JGIv7b.000050079_2953838-3009158-	5.508048446	12.06591941	2.19059791
helz	c.Taira201203brain_X018747	NIGv2.S00005643_81443-110748+	4.679386395	10.24727499	2.189875793
xpo6	c.Taira201203lung_X009194	NIGv2.S00001302_1694751-1727610-	10.86901795	23.73222191	2.183474349
ccdc160	c.Audic201207_X023147	JGIv7b.000050694_3511837-3515127+	14.9930273	32.71154315	2.181783738
tnfsf10	c.Taira201203kidney_X000044	JGIv7a.000012667_732763-744379-	4.773135237	10.41368333	2.181728112
sp5	c.Taira201203st12_X001786	JGIv7b.000043242_6772010-6775760-	4.797563172	10.45642553	2.179528473
fthl17	c.Ueno201210st30_X000580	NIGv2.S00003324_480917-487195-	7.580194807	16.52013719	2.179381614
gprc5c	c.Taira201203kidney_X013921	JGIv7b.000402746_1345231-1435883+	31.07493104	67.63970489	2.176664682
abhd15	c.Taira201203spleen_X004590	JGIv7b.000159212_666954-684116+	27.78301001	60.43250186	2.175160353
irs2	c.Taira201203testis_X001699	JGIv7b.000044780_2682975-2704320-	4.715872965	10.25519793	2.174612846
cpeb2	c.Taira201203st08_X004644	JGIv7b.000146311_365282-431607-	22.56273413	49.04771766	2.173837505
foxn2	c.Taira201203kidney_X014119	NIGv2.S00000336_697343-723349-	10.9897672	23.83918531	2.169216588
c17orf63	c.Taira201203st10_X004970	NIGv2.S00001286_486423-489532+	11.94232787	25.89670252	2.168480283
nuak2	c.Taira201203st09_X001916	JGIv7b.000042281_572864-587643-	7.80376809	16.90117929	2.165771598
irx1-b	c.Quigley201112_X010920	JGIv7b.000057559_47731-52835-	43.93915242	95.02698953	2.162695097

traf1	c.Taira201203liver_X002505	JGIv7b.000086205_1274443-1348433+	5.129498822	11.07971832	2.160000169
adipor2	c.Taira201203st10_X005170	NIGv2.S00004658_11306-18517-	5.437949762	11.74407545	2.159651332
rnpepl1	c.Taira201203testis_X001222	JGIv7b.000029016_1887217-1903544+	7.403794626	15.9737834	2.157513033
vgll4	c.Chang2013_X038473	NIGv2.S00000235_55778-83990+	13.8269138	29.82663067	2.157143026
nans	c.Taira201203brain_X017079	JGIv7b.000373511_140018-156308+	7.048363607	15.18357164	2.154198121
inf2	c.Taira201203egg_X000036	JGIv7a.000045701_886559-897689-	7.811051181	16.80550346	2.151503436
cd59	c.mgEST_1013089689	JGIv7b.000074352_1676232-1690179-	7.610961081	16.36497055	2.1501845
sap130	c.Ueno201210st08_X000284	JGIv7b.000016807_10838126-10869835-	5.313554316	11.42063799	2.149340594
Unnamed	c.Chang2013_X039319	NIGv2.S00001027_700145-703404+	28.28101771	60.75462817	2.148247591
ca14	c.Audic201207_X014301	JGIv7b.000026819_2924131-2951166+	28.48984723	61.18905177	2.147749381
wee1	c.Quigley201112_X024162	NIGv2.S00004536_594552-602085-	11.72125248	25.15134215	2.145789642
rhot2	c.Taira201203st30_X000956	JGIv7b.000015215_1532997-1558554-	5.323730506	11.42116718	2.14533158
c1s	c.XenBase_116487814	JGIv7b.000131666_351815-362082-	5.30312127	11.37603778	2.145158898
abl1	c.Taira201203lung_X005901	JGIv7b.000091271_1344911-1439278+	8.102959945	17.3660811	2.143177459
ankrd17	c.Audic201207_X054914	NIGv2.S00002894_491207-503072-	4.812858835	10.31317855	2.142838364
fam120a	c.Ueno201210brain_X001283	JGIv7b.000044863_909241-955973+	8.565981813	18.35075029	2.142282191
tdh	c.Chang2013_X041636	NIGv2.S00005195_53176-58547-	4.805784718	10.29271667	2.141734862
bcl9	c.Quigley201207_X014499	NIGv2.S00001884_287121-355017+	16.44424313	35.19788087	2.140437878
rdh14	c.Amin201106_X029073	NIGv2.S00001792_473195-477875+	7.409201334	15.84951776	2.139166834
sall3	c.JGIL6RMv1_XeXenL6RMv10018404m	JGIv7b.000023301_5396736-5413978+	7.252409672	15.50833832	2.138370421
mkl1	c.Taira201203lung_X009207	NIGv2.S00001380_1928729-2006059-	8.654626318	18.50485611	2.13814617
rcor1	c.TeperekTkacz201206_X000017	JGIv7a.000035316_1783045-1816725-	11.35032148	24.23373014	2.135069935
spata13	c.Taira201203kidney_X000055	JGIv7a.000016662_667068-720536+	5.464550287	11.66587361	2.134827753
hnrnpa3	c.TeperekTkacz201205_X000128	JGIv7b.000004321_5551952-5566829+	34.08584609	72.70732959	2.133065126
tob2	c.XenBase_148232853	JGIv7b.000012423_2197306-2206833-	8.771273571	18.70846385	2.132924449
fbxl14	c.Quigley201112_X020416	JGIv7b.000256647_503440-506888+	20.63099272	43.99134425	2.132294109
ube2r2	c.XGI_TC417190	JGIv7b.000169907_3865426-3906484+	15.46939878	32.86647294	2.124612172
ptk7	c.XGI_TC413645	JGIv7b.000012020_13487131-13519155-	12.00533855	25.4726511	2.12177699
trim24	c.Taira201203muscle_X002445	JGIv7b.000302407_154638-194847+	5.343560287	11.33115242	2.120524857
atp6v0c	c.Quigley201212_X054045	NIGv2.S00001869_574769-584100+	7.084012635	15.01882352	2.120101176
crebbp	c.JGIL6RMv1_XeXenL6RMv10023475m	JGIv7b.000023403_3292998-3363583+	17.67683795	37.4135112	2.116527362
bcl2l10	c.UniGene_Xl_S38754626	JGIv7b.000268638_1188020-1194009-	11.80145715	24.96433661	2.115360526
c17orf63	c.Taira201203st25_X001759	JGIv7b.000036364_3720727-3756693+	17.10467051	36.1782675	2.11511046
hsbp1	c.Quigley201212_X028699	JGIv7b.000073623_880266-886135-	9.789761051	20.69555648	2.114000166
dusp1	c.Ueno201210skin_X001092	NIGv2.S00001382_283826-287126+	8.816021668	18.62907595	2.113093259
elk4-a	c.Ismailoglu201203_X009811	JGIv7b.000138050_1102885-1116054+	4.790517978	10.1102349	2.110468002
adamts1	c.Ueno201210st10_X000167	JGIv7b.000006754_946678-956092-	8.585265038	18.11373458	2.109863179

tmem79	c.Chang2013_X040489	NIGv2.S00002447_283622-287933+	6.684788774	14.09206014	2.108078596
camsap3	c.Taira201203brain_X013982	JGIv7b.000171831_601330-667752-	15.00466631	31.62512238	2.107685818
c5orf15	c.Audic201207_X011351	JGIv7b.000017836_1329301-1339385-	20.69913025	43.60823693	2.106766632
gprc5c	c.Quigley201112_X022585	NIGv2.S00000395_140281-144536+	7.26889758	15.29992926	2.10484865
zyx	c.Ueno201210egg_X001671	NIGv2.S00005625_22932-33324+	10.70135742	22.51806422	2.104225037
hnrnpa0	c.Quigley201207_X013950	NIGv2.S00000330_13760-15405-	63.0393262	132.6206345	2.103776206
znf295	c.Taira201203liver_X004307	NIGv2.S00003473_1092719-1094608-	5.813783097	12.22919247	2.103482752
ept1	c.XenBase_49904042	JGIv7b.000352190_379392-398613+	6.815551089	14.32574427	2.101920165
nthl1	c.Chang2013_X000502	JGIv7b.000000939_5812622-5819049+	10.88538112	22.87676749	2.101604642
cdc42ep4	c.Audic201207_X000266	JGIv7a.000026529_1333726-1360157-	23.96180215	50.24692655	2.096959412
yy1	c.Amin201106_X024715	JGIv7b.000236382_2132334-2149616+	17.29660705	36.22802528	2.094516293
rbms2	c.Taira201203heart_X001572	JGIv7b.000014978_741316-815694-	13.46581633	28.18734793	2.093252072
tob2	c.Audic201207_X000016	JGIv7a.000000564_2082455-2091591-	5.819998919	12.18013553	2.092807181
cpeb2	c.Taira201203st20_X005546	NIGv2.S00000824_447505-511152-	6.875741915	14.37107865	2.090113158
adamts1	c.Taira201203intestine_X010385	NIGv2.S00001141_1893430-1902483+	6.540079588	13.66802139	2.089886095
fcn2	c.Taira201203kidney_X014553	NIGv2.S00001621_95963-100340+	15.70539295	32.81851392	2.089633415
socs3	c.Chang2013_X039576	NIGv2.S00001202_808139-809025+	11.94527638	24.96080322	2.089596123
notch3	c.Park201106_X020666	JGIv7b.000171831_680633-733284-	23.93866846	49.99013784	2.088258915
wac	c.Quigley201207_X013872	NIGv2.S00000133_195799-234245-	7.408769839	15.46471872	2.087353105
mtmr12	c.Taira201203brain_X008129	JGIv7b.000052441_3224003-3289536-	12.61116578	26.27854381	2.08375215
kat7	c.Park201106_X003969	JGIv7b.000013265_310134-328332-	6.186694848	12.88539304	2.082758784
Unnamed	c.Taira201203heart_X003137	JGIv7b.000041091_3290603-3314489-	6.189363031	12.88324646	2.081514107
myc	c.Chang2013_X041270	NIGv2.S00003817_716984-719601-	10.28535861	21.40744672	2.081351514
tcta	c.UniGene_Xl_S27569448	JGIv7b.000107347_1179427-1182752-	7.197881691	14.98004478	2.081174076
kat7	c.Audic201207_X000398	JGIv7a.000114687_92048-109859-	10.56029224	21.95414861	2.078933812
myc	c.Taira201203st12_X000005	JGIv7a.000004606_1548410-1552216-	8.704354975	18.08894707	2.078149056
helz	c.TXGP201107_X010236	NIGv2.S00000936_1115043-1153151+	5.274946823	10.95804745	2.077375908
cpeb2	c.Quigley201212_X048902	JGIv7b.000302805_852461-911282-	14.1991842	29.49513957	2.077241844
etv3	c.Chang2013_X014268	JGIv7b.000041091_3521026-3559652-	30.23879894	62.77108942	2.075845987
ankrd17	c.Taira201203st35_X004053	NIGv2.S00001127_365694-388159+	5.439425918	11.28649561	2.074942426
acox2	c.Taira201203kidney_X014616	NIGv2.S00001847_315152-339798+	104.7981982	217.404297	2.07450415
ythdf1	c.Park201106_X026056	NIGv2.S00000490_36311-54956+	14.26334427	29.58750937	2.07437392
cd276	c.Audic201207_X052520	NIGv2.S00000663_600421-616317+	15.23811954	31.5754274	2.072134119
dusp1	c.UniGene_Xl_S13684642	JGIv7b.000018892_2914011-2917473+	60.60396077	125.4903288	2.070662169
pvrl2	c.mgEST_1013156428	JGIv7b.000015415_1114899-1158482-	12.76605026	26.41883795	2.069460594
nipal2	c.JGIL6RMv1_XeXenL6RMv10046607m	JGIv7b.000062229_1668306-1719719+	11.59779474	23.97740414	2.06741063
epn2	c.Taira201203heart_X000143	JGIv7b.000000939_6366228-6407171+	9.691478269	20.03262013	2.06703452

xpo6	c.JGIL6RMv1_XeXenL6RMv10024008m	JGIv7b.000000939_3302786-3345374-	14.27829944	29.43801159	2.061730931
fbxl14	c.Taira201203stomach_X001412	JGIv7b.000058790_797724-799268-	9.77192699	20.1260276	2.059576133
gprc5c	c.Chang2013_X038888	NIGv2.S00000640_561649-567108-	15.39871826	31.71289684	2.059450423
c1orf85-b	c.Amin201106_X028678	NIGv2.S00001143_51208-59322-	5.744729347	11.8289209	2.05909107
inf2	c.Taira201203ovary_X007473	JGIv7b.000230550_3170679-3223618-	5.31305159	10.93621847	2.058368582
morn2	c.Chung201110_X007967	NIGv2.S00000914_155417-172394+	73.60713018	151.3696275	2.056453324
etv3	c.Park201106_X026944	NIGv2.S00001986_445229-480997+	13.39057646	27.50055415	2.053724441
Unnamed	c.Taira201203kidney_X009137	JGIv7b.000096766_2029557-2056237+	26.28602367	53.98272522	2.053666462
crabp2	c.Taira201203egg_X003235	JGIv7b.000041091_3369386-3397974-	32.93153183	67.59841273	2.052695668
gprc5c	c.Taira201203eye_X001105	JGIv7b.000007000_226270-261891-	26.7847003	54.96963865	2.052277533
mtpn	c.Ismailoglu201203_X013530	NIGv2.S00001817_379754-413154-	12.54080213	25.71294959	2.050343298
fam175b	c.Ueno201210lung_X000061	JGIv7b.000007555_8315111-8342779+	13.16475939	26.96809102	2.048506185
smurf2	c.Quigley201212_X040698	JGIv7b.000163806_4832005-4880003+	16.1909537	33.14165236	2.046924039
insm1	c.Taira201203egg_X002601	JGIv7b.000030080_2706723-2717676+	12.37491292	25.32928429	2.046825255
wasl	c.Taira201203muscle_X001946	JGIv7b.000152894_1583166-1612835+	12.77148731	26.12938179	2.045915339
lpcat3	c.Quigley201212_X055304	NIGv2.S00003396_9109-30209+	8.138425313	16.64634996	2.045401822
sema4a	c.Quigley201212_X020870	JGIv7b.000046492_431666-457936-	8.147211184	16.6442745	2.042941336
Unnamed	c.Park201106_X028030	NIGv2.S00005787_393125-399720+	5.113745274	10.44469097	2.042473844
cst3	c.Chang2013_X041680	NIGv2.S00005502_148526-151519-	312.6349233	638.1721952	2.041269697
map3k8	c.Quigley201212_X011244	JGIv7b.000017434_1193394-1216661-	7.490534952	15.27458239	2.03918445
pdk4	c.XGI_TC450318	JGIv7b.000061124_5068427-5084965-	4.913950262	10.01449397	2.037972188
nipal2	c.Audic201207_X000377	JGIv7a.000077989_1066210-1117126+	12.86775416	26.22392959	2.037956994
hp1bp3	c.Quigley201112_X018100	JGIv7b.000175822_18694-28456-	18.8009736	38.2557688	2.034775944
klf10	c.Quigley201212_X019052	JGIv7b.000043061_8097188-8110331+	8.205654586	16.6948834	2.034558392
csrnp1	c.Ismailoglu201203_X013425	NIGv2.S00001304_215673-231912-	13.22617582	26.89677692	2.033601949
dyrk1b	c.Taira201203stomach_X001921	JGIv7b.000102557_219148-291907+	28.52829759	57.9679814	2.031946744
gnpnat1	c.JGIL6RMv1_XeXenL6RMv10036063m	JGIv7b.000267922_2771119-2780302-	5.385445622	10.93616957	2.030689814
admp2	c.UniGene_Xl_S36018700	JGIv7b.000027067_1895055-1900246+	5.953502144	12.0678145	2.027011028
rreb1	c.Quigley201212_X032001	JGIv7b.000086880_30448-99203-	9.281866531	18.81198866	2.026746302
c1orf192	c.XenBase_76779637	JGIv7b.000012462_2698157-2704657-	13.24967113	26.85350858	2.026730197
cd276	c.Taira201203lung_X001314	JGIv7b.000012518_2760928-2773977-	6.770825571	13.71755758	2.025980058
znf295	c.Taira201203kidney_X015040	NIGv2.S00003964_215650-230063-	7.64746535	15.46952499	2.022830347
scarb1	c.Audic201207_X041239	JGIv7b.000167265_511996-570757-	24.7948881	50.13190565	2.021864565
ptprg	c.Ueno201210lung_X000889	NIGv2.S00007217_10581-186612+	5.591223362	11.27951124	2.017360158
rnf19b	c.Taira201203kidney_X011203	JGIv7b.000167390_605089-614591+	5.836723054	11.76231443	2.015225722
u2af1	c.XGI_TC433037	JGIv7b.000347078_702320-709716+	51.66647705	104.1000018	2.014846138
a2m	c.Ueno201210st10_X000172	JGIv7b.000007045_3704835-3735363+	44.59416136	89.75505298	2.01270862

bckdk	c.Quigley201112_X010682	JGIv7b.000054653_38207-59186+	5.417819486	10.87976433	2.008144487
hipk2	c.JGIL6RMv1_XeXenL6RMv10048679m	JGIv7b.000098502_146230-172388+	5.646433982	11.32518645	2.005723699
smad4.2-b	c.Chang2013_X015906	JGIv7b.000046492_1052555-1079806+	5.181371694	10.39059663	2.005375651
ubap2l	c.Taira201203kidney_X000049	JGIv7a.000015435_274514-298892+	8.379729529	16.80112703	2.004972472
cd276	c.Chang2013_X040672	NIGv2.S00002724_2747090-2758762-	7.06200804	14.15689205	2.004655329
rasgrf2	c.Taira201203brain_X000420	JGIv7b.000001187_9573933-9723818-	11.24532585	22.53687117	2.004110105
cpsf7	c.Chang2013_X038220	NIGv2.S00000062_1683159-1694368+	9.929981799	19.8994636	2.003977852
katnal1	c.Taira201203brain_X005558	JGIv7b.000031941_618220-655002-	11.48751172	23.01019109	2.003061381
zfp36l2	c.Audic201207_X056261	NIGv2.S00006220_476386-483244-	138.9257378	278.1678466	2.002277266
khsrp	c.Taira201203st10_X003887	JGIv7b.000175714_268495-294223-	41.87133609	83.79860225	2.00133576
Unnamed	c.Park201106_X017595	JGIv7b.000108888_148572-173804-	23.15614238	46.3296555	2.000750157

Table S40: Gene transcripts down regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR1, when filtered using low stringency criteria. Embryos were co-injected with *ifgfr1* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR1 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 10 and fold change ≤ 0.5 are classed as down regulated for data set comparison analysis. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR1 uninduced (FPKM)	iFGFR1 induced (FPKM)	Fold change
krt12	c.XenBase_27696404	JGIv7b.000013265_3627584-3644405-	31.56591782	5.964784555	0.188962811
slc12a3	c.TeperekTkacz201206_X004009	JGIv7b.000111469_66839-126398+	93.59685832	18.5715269	0.198420409
ag1-b	c.XenBase_1899063	JGIv7b.000004321_1454066-1462022+	11.5913588	2.405619155	0.207535561
krt12	c.Quigley201207_X000125	JGIv7a.000149142_1087360-1090663+	17.99138896	4.244843666	0.235937518
krt12	c.Ueno201210st35_X000016	NIGv2.S00002938_233278-248330+	30.20433807	7.395981739	0.244864884
Unnamed	c.Amin201106_X030176	NIGv2.S00005487_252198-256251+	5109.187295	1422.691841	0.278457563
hesx1	c.JGIL6RMv1_XeXenL6RMv10033507m	JGIv7b.000033876_482101-485204-	395.8775854	122.8529772	0.310330723
snrpg	c.Quigley201212_X009407	JGIv7b.000014870_225925-236198+	65.37710348	20.54889506	0.314313329
cyp1a1	c.Taira201203kidney_X001952	JGIv7b.000012518_1166460-1177887-	18.17950668	5.851121761	0.321852615
dtymk	c.Park201106_X000070	JGIv7a.000009528_900238-905480-	11.59542809	3.843460489	0.331463441
Unnamed	c.Audic201207_X056267	NIGv2.S00006303_16012-29274-	16.83595866	5.635485124	0.33472909
hesx1	c.UniGene_Xl_S13589749	JGIv7b.000177844_181426-184575+	118.8265911	40.00628019	0.336677841
ift172	c.Chung201110_X004537	JGIv7b.000080529_201168-231666+	96.74049961	32.61540453	0.33714323
snrpg	c.Park201106_X000036	JGIv7a.000004727_1139488-1149380-	117.1606813	39.61175331	0.33809767
fcgbp	c.JGIL6RMv1_XeXenL6RMv10026131m	JGIv7b.000085128_1034845-1064342+	27.37941364	9.261970278	0.338282273
kctd15	c.Audic201207_X046701	JGIv7b.000249035_930751-969669-	18.01621963	6.21559626	0.345000027
rbm8a	c.JGIL6RMv1_XeXenL6RMv10010425m	JGIv7b.000012462_1741658-1749852+	304.7190317	105.2260797	0.345321653
otud6b	c.Chang2013_X039047	NIGv2.S00000764_1217817-1224831+	21.49590135	7.581620692	0.352700758
hist2h3a	c.TeperekTkacz201206_X004021	JGIv7b.000111824_6775263-6775607-	1305.681969	463.0601198	0.354650007
snai1	c.Amin201106_X029102	NIGv2.S00001881_253774-258061+	38.11480302	13.55066198	0.355522288
pitpnb	c.Ismailoglu201203_X007692	JGIv7b.000077809_130001-140882+	30.5389638	10.92311471	0.357677974
krt-b	c.JGIL6RMv1_XeXenL6RMv10001064m	JGIv7b.000075417_6868747-6873173-	29.94004826	10.84819813	0.362330683
dlx6	c.Park201106_X026592	NIGv2.S00001266_520131-528911-	17.26913849	6.286275281	0.364017886
ptma-a	c.Chang2013_X036024	JGIv7b.000293841_203483-206579+	2077.830656	758.6670081	0.365124562
rbm8a	c.Ueno2012106cells_X002372	NIGv2.S00002347_114737-122574+	186.8017453	68.9553128	0.369136341
igkv4-1	c.JGIL6RMv1_XeXenL6RMv10020211m	JGIv7b.000109418_2659572-2759529+	13.49029073	4.996498636	0.370377387
ppil1	c.Chang2013_X039410	NIGv2.S00001083_232616-234252-	78.55579506	29.65481496	0.37750003
appl1	c.TeperekTkacz201206_X006093	NIGv2.S00005117_156006-183356-	574.5091719	218.9394635	0.381089588
otud6b	c.JGIL6RMv1_XeXenL6RMv10002547m	JGIv7b.000022127_9001-21497-	82.63257595	32.0615199	0.388000973

ag1-a	c.Amin201106_X000006	JGIv7a.000000472_483137-490848+	20.83316222	8.148290671	0.391121165
rasd1	c.UniGene_Xl_S21696558	JGIv7b.000015215_544189-546397-	10.24208624	4.08524	0.398867956
pomp	c.Park201106_X027159	NIGv2.S00002443_588013-593452+	17.25104299	6.906952224	0.400378819
tomm22	c.Chang2013_X040115	NIGv2.S00001865_407984-416289-	49.13608764	19.71862338	0.401306338
brp44l-b	c.Quigley201212_X056153	NIGv2.S00005505_85388-93227-	99.07362894	40.61338186	0.409931304
srp9	c.Amin201106_X027761	NIGv2.S00000024_616994-624649-	82.28733379	33.85569305	0.411432616
oaz2	c.XenBase_54261686	JGIv7b.000012518_607797-622790+	12.52783484	5.184668056	0.413851884
cwc25	c.Quigley201112_X000013	JGIv7a.000002298_2384297-2389993+	56.12239812	23.28918565	0.41497132
hes3.1	c.Chang2013_X039721	NIGv2.S00001322_2013951-2016303+	94.32722707	39.23920476	0.415990229
hnrpdl	c.Taira201203st15_X003372	NIGv2.S00007280_40360-44246-	1155.860848	482.035521	0.417035945
fam55d	c.Ismailoglu201203_X007979	JGIv7b.000083106_152889-161353+	133.5665037	55.72253906	0.417189471
sgk494	c.Taira201203eye_X014978	NIGv2.S00000348_1620323-1629386+	159.5511791	66.59984581	0.417419954
rpl21	c.Chung201110_X008136	NIGv2.S00001639_1135756-1148673-	37.99486627	15.96183405	0.42010502
sgsm3	c.JGIL6RMv1_XeXenL6RMv10013744m	JGIv7b.000012423_2493250-2519259+	21.34676121	8.968074475	0.420114058
tfec	c.JGIL6RMv1_XeXenL6RMv10051126m	JGIv7b.000030470_494849-506595+	10.71101718	4.509956528	0.421057725
cyp27c1	c.Amin201106_X021999	JGIv7b.000163806_9231441-9249066+	20.06257764	8.536218504	0.42547965
tpmt	c.Audic201207_X053187	NIGv2.S00001069_373040-389472+	46.00728081	19.57819076	0.425545488
ruvbl2	c.Ueno201210egg_X001199	JGIv7b.000139674_1787321-1801883+	66.89710091	28.47226099	0.425612778
slc43a2	c.Audic201207_X051948	NIGv2.S00000285_12929-28718+	20.33147185	8.796545083	0.43265658
mea1	c.Chang2013_X040456	NIGv2.S00002367_580782-584636-	17.8887774	7.763944235	0.43401201
snrpd1	c.Park201106_X000689	JGIv7b.000001268_1685868-1701614+	252.1827913	110.0705132	0.436471151
rp5-977b1.10	c.Chang2013_X000311	JGIv7a.000078524_134965-145190+	41.34973413	18.08420678	0.437347595
hnrpdl	c.JGIL6RMv1_XeXenL6RMv10001854m	JGIv7b.000058878_2007697-2013395-	853.0718598	373.2590078	0.43754697
ppie	c.Ueno2012102cells_X001385	JGIv7b.000137317_2000210-2012876-	39.32223759	17.2359136	0.438324843
rplp0	c.Chang2013_X041671	NIGv2.S00005408_147784-153951-	15.66176706	6.865917131	0.438387131
hnrnph1-b	c.Taira201203egg_X006162	JGIv7b.000140825_732234-746785+	563.1237326	247.7007827	0.439869194
Unnamed	c.Chang2013_X033037	JGIv7b.000208071_3368708-3370756+	101.9525714	45.05339077	0.44190539
chchd4	c.Amin201106_X029339	NIGv2.S00002380_1384684-1393546+	19.65275138	8.698037368	0.442586242
s100a8	c.Quigley201207_X001728	JGIv7b.000012462_611930-614326+	17.54445142	7.771022959	0.442933368
ldlrap1	c.Taira201203st30_X000390	JGIv7b.000007281_1927654-1960093+	58.80350941	26.10396722	0.443918526
Unnamed	c.Taira201203st08_X004257	JGIv7b.000107078_130406-136077+	1222.513183	542.9924408	0.444160806
Unnamed	c.Quigley201207_X005310	JGIv7b.000044780_1693944-1705020-	388.1013027	172.5890962	0.444701152
znf37a	c.Taira201203st35_X000471	JGIv7b.000011405_693860-703174-	19.00336133	8.478091184	0.446136399
Unnamed	c.Amin201106_X019023	JGIv7b.000107347_2455544-2457909+	30.99733383	14.00493822	0.451811059
rpl39	c.Quigley201212_X010080	JGIv7b.000015436_5400196-5404618-	436.3182666	197.2767825	0.452139637
sfswap	c.Taira201203intestine_X010650	NIGv2.S00002754_425243-477210+	50.06340728	22.649101	0.4524083

arpc3	c.Quigley201112_X005662	JGIv7b.000025254_4581008-4592724+	28.80604844	13.03728889	0.452588591
coq7	c.Chang2013_X004152	JGIv7b.000009994_4908114-4914218+	18.65282893	8.445748321	0.452786457
hsbp1	c.Quigley201207_X003307	JGIv7b.000023301_6229664-6235837+	14.01715787	6.349773011	0.453000035
rpl37a	c.Quigley201212_X035243	JGIv7b.000106789_1600720-1601671-	19.79707235	8.968074475	0.453000035
rpl27a	c.Chang2013_X035887	JGIv7b.000287959_146467-152199+	58.76477824	26.68593358	0.454114427
mak16	c.Taira201203st15_X002384	JGIv7b.000139741_1526513-1535556-	58.38509529	26.53008125	0.454398184
ndufb6	c.Quigley201207_X008771	JGIv7b.000090041_5628093-5636504+	31.31044271	14.28673178	0.456292871
tuba1a-b	c.mgEST_1013155827	JGIv7b.000127187_1109513-1113080-	122.2271247	55.79935939	0.456521902
coq4	c.Quigley201212_X017740	JGIv7b.000037448_288099-305397+	44.94882541	20.53134437	0.456771544
eif4a3	c.Taira201203brain_X010967	JGIv7b.000089475_854935-897659-	650.4610935	297.5799284	0.457490742
arl4c	c.Amin201106_X004645	JGIv7b.000013787_3990502-3991875-	12.07130297	5.523536033	0.457575793
mfap1	c.Chang2013_X000051	JGIv7a.000006679_5732770-5737706+	85.86681982	39.30285651	0.457718786
c7orf55	c.mgEST_1013111819	JGIv7b.000245044_6689926-6692092+	17.45620231	7.998552911	0.458206932
lsm5	c.Audic201207_X052452	NIGv2.S00000589_73817-77516-	49.2981935	22.60428156	0.458521499
c12orf45	c.Ueno201210lung_X000864	NIGv2.S00004457_446048-448697+	72.26221686	33.13716668	0.458568366
calcoco1	c.Ueno201210st10_X002327	NIGv2.S00002501_240558-264815-	302.0691852	138.6243609	0.45891593
taf15	c.Taira201203stomach_X000009	JGIv7a.000016056_140368-162530+	200.8221194	92.2361349	0.459292707
mdk	c.Chung201110_X002883	JGIv7b.000043483_642289-654640+	163.0937249	74.94747954	0.459536255
psma6	c.Quigley201212_X044168	JGIv7b.000203041_2870360-2881948-	14.40353925	6.637787407	0.460844192
med28	c.Amin201106_X024078	JGIv7b.000211652_19686-24020-	21.24939856	9.813425758	0.461821342
gnb3	c.Taira201203eye_X015629	NIGv2.S00002660_123390-154697+	18.91790524	8.738858514	0.461935844
ostalpha	c.Taira201203liver_X003469	JGIv7b.000203280_376242-393923+	12.3512708	5.714171347	0.462638334
c12orf45	c.JGIL6RMv1_XeXenL6RMv10031748m	JGIv7b.000005925_7519623-7523842-	30.12342661	13.93661574	0.462650412
c11orf58	c.Chang2013_X038804	NIGv2.S00000548_1067259-1071887+	31.93420055	14.79732288	0.463369135
hnrnph1-a	c.Audic201207_X022527	JGIv7b.000048253_786566-811362+	260.3538962	120.6835	0.46353637
arg1	c.Audic201207_X034514	JGIv7b.000102277_1378103-1389903+	221.9239739	103.6960953	0.467259546
fam136a	c.Quigley201212_X009420	JGIv7b.000014870_219162-225723-	18.68164029	8.733833724	0.467508933
elof1	c.Chang2013_X000313	JGIv7a.000080025_251822-256641+	137.216265	64.36580035	0.469082877
timm17a	c.XGI_TC426996	JGIv7b.000003412_100742-108494-	20.15778172	9.462078578	0.469400786
pkdcc.2	c.Ueno201210brain_X000869	JGIv7b.000027036_317796-362184+	50.26032245	23.60982872	0.469750841
med9	c.Chang2013_X022043	JGIv7b.000074548_369381-382000+	80.58545674	37.94347102	0.470847626
c9orf23	c.Taira201203intestine_X011054	NIGv2.S00009003_28384-29186-	17.81736511	8.392143087	0.471009211
eif3j	c.Chang2013_X000153	JGIv7a.000021089_540005-554241+	185.3972603	87.39927713	0.471416228
anp32a	c.Quigley201212_X053357	NIGv2.S00001260_397655-405232-	1573.036461	741.6234721	0.471459811
gpr4	c.Audic201207_X007803	JGIv7b.000012933_3125391-3133094+	12.05065769	5.683288704	0.471616475
rbm8a-a	c.Quigley201112_X023672	NIGv2.S00002567_199325-202713-	152.087915	71.75860842	0.471823211
tmed8	c.Chang2013_X035983	JGIv7b.000289484_244094-252300-	29.24824611	13.83645776	0.473069657

znf622	c.Quigley201112_X002635	JGIv7b.000011199_1862234-1874227+	32.69241305	15.46787157	0.47313337
c8orf40	c.Amin201106_X030036	NIGv2.S00004598_559626-561767-	33.91810701	16.08890437	0.474345587
rps21	c.Quigley201112_X022717	NIGv2.S00000585_905821-913335-	16.90503015	8.022644937	0.474571466
mrto4	c.Chung201110_X000032	JGIv7a.000015632_608771-614811-	33.17394029	15.8038795	0.476394404
pcbd1	c.Chang2013_X040476	NIGv2.S00002416_67527-72806-	34.5054606	16.48357351	0.477709128
rpf1	c.Quigley201207_X003442	JGIv7b.000024235_1715202-1728596-	59.44314895	28.42266529	0.478148715
cwc25	c.Quigley201207_X014220	NIGv2.S00001027_981847-988229-	24.50119458	11.71635536	0.47819527
ppan-b	c.XGI_TC418418	NIGv2.S00006828_10160-16544-	34.62087719	16.57385362	0.478724254
h2afj	c.Ueno2012104cells_X000824	JGIv7b.000074488_1286181-1298618-	966.9969975	463.5395649	0.47935988
hnrnpa1	c.Taira201203brain_X012675	JGIv7b.000133382_406820-446822+	300.5879681	144.1019272	0.479400184
pitpnb	c.Taira201203egg_X008593	NIGv2.S00003591_314926-322588-	68.96941986	33.22615576	0.481751997
glrx	c.JGIL6RMv1_XeXenL6RMv10028215m	JGIv7b.000001187_4083787-4090024+	80.52078464	38.8041684	0.481914931
psma6	c.Amin201106_X028078	NIGv2.S00000310_1532898-1544931-	22.44428296	10.81803329	0.48199505
eif3b	c.Quigley201112_X000049	JGIv7a.000009276_5375917-5396714+	60.14083572	29.04841145	0.483006448
cbx1	c.Amin201106_X028259	NIGv2.S00000489_1334009-1338061-	13.46977275	6.50625011	0.483025974
timm17a	c.Audic201207_X000232	JGIv7a.000022680_329333-342479-	10.41014591	5.038244087	0.483974397
romo1	c.Taira201203st25_X001533	JGIv7b.000030581_375198-379740+	10.37492429	5.038815965	0.485672553
lrat	c.Taira201203eye_X009949	JGIv7b.000099286_446614-459327+	25.75946367	12.55206084	0.487279588
cwc25	c.Quigley201212_X029323	JGIv7b.000075417_5226786-5234433+	67.45614983	32.88924308	0.487564783
brp44l-b	c.Quigley201212_X055387	NIGv2.S00003499_362848-370856+	26.19877669	12.78862901	0.488138403
tsr2	c.XGI_TC422659	NIGv2.S00010333_2914-5820-	17.00977916	8.307536412	0.488397664
h3f3a	c.Quigley201212_X051737	NIGv2.S00000233_993527-1000649+	62.77155288	30.7033789	0.489128873
snrnp70	c.Amin201106_X027634	JGIv7b.000402746_367479-382531+	718.163859	351.7556933	0.489798657
mrps26	c.Quigley201212_X000390	JGIv7a.000106822_27276-34467+	74.41949185	36.45447953	0.489851229
hnrnph1-a	c.Chang2013_X000118	JGIv7a.000015444_3784852-3807177-	173.9813299	85.3228569	0.490413868
eif4e	c.TeperekTkacz201206_X000014	JGIv7a.000025760_219635-229239-	14.08951442	6.914429744	0.490750038
rpl10a	c.Chang2013_X000250	JGIv7a.000044917_626050-629118+	45.7362071	22.45770951	0.491026933
hnrnpk	c.Taira201203st40_X001865	JGIv7b.000086871_2140635-2152595-	244.3825305	120.3479779	0.492457369
polr2l.1	c.XGI_TC463547	JGIv7b.000021980_2317439-2319477-	72.56999805	35.74137711	0.492508999
c9orf23	c.XGI_TC432775	JGIv7b.000115601_27370-29726-	10.66080572	5.254148896	0.492847261
syt1	c.Chung201110_X004224	JGIv7b.000074352_7244479-7261361-	12.71224311	6.26550205	0.492871478
srp9	c.XenBase_148234311	JGIv7b.000102974_5193679-5201441-	68.27956014	33.72241703	0.493887438
gnb3	c.Quigley201112_X013169	JGIv7b.000079772_5446576-5470832+	105.3848805	52.05058508	0.493909419
hnrnph1-b	c.Amin201106_X029551	NIGv2.S00002804_295426-309569+	407.8659198	201.5045031	0.494045943
rbm8a-a	c.Taira201203ovary_X003602	JGIv7b.000046492_203712-208136-	436.6255428	215.9592946	0.494609851
slc25a24	c.Quigley201207_X000038	JGIv7a.000015406_345931-356779-	19.71258803	9.767775384	0.495509538
Unnamed	c.Ismailoglu201203_X004665	JGIv7b.000039723_1326545-1329420+	47.96982915	23.79988995	0.496142896

snai1	c.Chang2013_X006472	JGIv7b.000014557_4834444-4838640+	25.75941642	12.78147858	0.496186651
cirbp	c.mgEST_1013253913	JGIv7b.000039437_1967966-1973134+	2204.362265	1094.807405	0.496654938
atpif1	c.Audic201207_X015667	JGIv7b.000030711_1529347-1537950+	29.73380223	14.79299745	0.49751449
anp32a	c.Taira201203liver_X003877	JGIv7b.000325448_345352-354714-	1127.867493	562.3875621	0.498629108
hist2h2ab	c.Chang2013_X035898	JGIv7b.000287959_3113019-3114049+	2379.652448	1187.676258	0.499096521
pin4	c.Chang2013_X013351	JGIv7b.000036864_3174743-3179026+	40.50004987	20.2345837	0.499618735

Table S41: Gene transcripts up regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR4, when filtered using low stringency criteria. Embryos were co-injected with *ifgfr4* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR4 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 10 and fold change ≥ 2 are classed up regulated for data set comparison analysis. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR4 uninduced (FPKM)	iFGFR4 induced (FPKM)	Fold change
acly	c.Park201106_X026788	NIGv2.S00001609_104960-120704-	24.5938	1092.4411	44.4194
padi2	c.JGIL6RMv1_XeXenL6RMv10033213m	JGIv7b.000036295_1002602-1023208-	11.4646	349.8466	30.5154
mrrf	c.TeperekTkacz201206_X001915	JGIv7b.000034020_290760-308242+	146.2344	4181.6756	28.5957
oc90	c.Audic201207_X046308	JGIv7b.000237598_3434997-3462319+	1.0051	27.3167	27.1781
hba1	c.Taira201203st30_X003398	JGIv7b.000120240_1982132-1984062-	36.4498	892.6481	24.4898
mark4	c.Taira201203st40_X003255	NIGv2.S00005156_627695-652388+	1.3570	33.0825	24.3793
slc25a4	c.Taira201203eye_X000097	JGIv7a.000093157_254175-263290-	102.0986	2315.0153	22.6743
acpp	c.Amin201106_X027648	JGIv7b.000402746_3620395-3649238+	1.4482	23.9518	16.5385
padi2	c.TeperekTkacz201206_X006137	NIGv2.S00007245_10058-34147+	18.0300	283.4470	15.7208
appl1	c.TeperekTkacz201206_X006093	NIGv2.S00005117_156006-183356-	434.6531	6530.0994	15.0237

mark4	c.Audic201207_X054778	NIGv2.S00002750_157910-191618-	1.3716	13.6212	9.9308
carhsp1	c.Amin201106_X007374	JGIv7b.000026364_2644128-2662567+	158.9136	1547.9834	9.7410
mark4	c.Taira201203st25_X000771	JGIv7b.000012933_3374016-3407645-	1.8577	13.2412	7.1278
tmem170a	c.Chang2013_X000256	JGIv7a.000046584_90909-94009+	2.9070	20.1261	6.9234
ift172	c.Chung201110_X004537	JGIv7b.000080529_201168-231666+	135.3366	879.7620	6.5005
nqo1	c.Chung201110_X008036	NIGv2.S00001215_83829-96206+	62.3865	396.3534	6.3532
ccnb2	c.Taira201203kidney_X007160	JGIv7b.000059883_2168606-2176741-	9.9726	63.3022	6.3476
not-b	c.Quigley201212_X051451	NIGv2.S00000041_493324-495640+	1.8203	11.3181	6.2177
mcmbp	c.Amin201106_X029621	NIGv2.S00002933_255375-265588-	225.6666	1387.5388	6.1486
fbxo43	c.Ueno201210ovary_X000311	JGIv7b.000034503_3948712-3960076+	3.1723	17.7723	5.6023
slc12a3	c.TeperekTkacz201206_X004009	JGIv7b.000111469_66839-126398+	70.8499	385.4631	5.4406
fbxo43	c.Taira201203testis_X000018	JGIv7a.000012320_570062-581354-	3.0547	16.1547	5.2886
cxorf56	c.Amin201106_X019451	JGIv7b.000118020_87186-102070-	334.3430	1732.4589	5.1817
loc733728	c.TXGP201107_X003099	JGIv7b.000032511_552358-563142-	7.4259	37.8918	5.1027

krtcap3	c.Amin201106_X030131	NIGv2.S00005238_57878-69325-	86.8563	437.9931	5.0427
fbxo43	c.Taira201203kidney_X015026	NIGv2.S00003881_584282-595526-	3.6241	18.2716	5.0416
cpeb1	c.Ueno201210st10_X000308	JGIv7b.000012518_682649-725381+	2.4419	11.7839	4.8258
rpain	c.Quigley201212_X030162	JGIv7b.000078587_11116-16776-	6.0229	28.6417	4.7555
fbxw4	c.Chang2013_X020551	JGIv7b.000061874_688873-700001+	42.0913	199.1168	4.7306
birc7	c.Taira201203egg_X007383	JGIv7b.000254613_933174-944766-	3.9964	18.6701	4.6717
frs3	c.Chang2013_X004216	JGIv7b.000009994_1616589-1623506-	8.7612	40.7155	4.6473
btg4	c.Chang2013_X009395	JGIv7b.000022415_971677-979129+	6.1898	28.2223	4.5595
fbxw4	c.TXGP201107_X008690	JGIv7b.000229192_45786-59219-	5.8575	26.5268	4.5287
hs3st1	c.Ismailoglu201203_X009990	JGIv7b.000146311_1301057-1313945+	2.2871	10.1071	4.4192
cpeb1	c.Taira201203egg_X000691	JGIv7b.000007197_229269-272684+	3.5058	15.3571	4.3804
zfp36l2.2	c.Taira201203ovary_X008832	NIGv2.S00001851_569924-571028-	6.0560	26.3445	4.3502
nedd9	c.Taira201203heart_X003857	JGIv7b.000051654_212436-234627-	8.5637	37.0131	4.3221
zfp36l2.1	c.XGI_TC430515	JGIv7b.000135227_332714-333830-	7.0113	29.9119	4.2662

ccdc117	c.Quigley201212_X013638	JGIv7b.000025254_710672-715717+	5.7745	24.2101	4.1926
c13orf15	c.Taira201203st08_X000568	JGIv7b.000008129_2441581-2449217+	22.3359	92.3942	4.1366
tubg1	c.Taira201203st08_X005764	JGIv7b.000299261_13498-37695+	4.8695	20.0145	4.1102
fbxo43	c.XenBase_6503026	JGIv7b.000062229_366739-380003-	5.9403	24.3347	4.0966
zfp36l2.2	c.TeperekTkacz201202_X000273	JGIv7b.000021980_1320301-1323473-	4.4374	17.6948	3.9876
spsb1	c.Quigley201212_X027248	JGIv7b.000065414_48610-67548+	23.6733	94.3279	3.9846
aktip	c.JGIL6RMv1_XeXenL6RMv10039581m	JGIv7b.000024235_272143-301287-	3.4445	13.7075	3.9795
rad51c	c.Audic201207_X047344	JGIv7b.000267344_485231-528871+	5.7565	22.6432	3.9335
id2	c.Quigley201207_X014619	NIGv2.S00002280_622292-624238-	2.7946	10.9878	3.9318
slc48a1	c.Audic201207_X002980	JGIv7b.000005732_5062739-5079664+	4.1617	16.3538	3.9296
aktip	c.Taira201203egg_X000046	JGIv7a.000116267_108788-129999+	4.7459	18.6290	3.9253
rpain	c.Audic201207_X056654	NIGv2.S00009752_11246-16158-	5.1944	20.3466	3.9170
oat.1	c.Audic201207_X000047	JGIv7a.000002565_100020-118676-	8.3800	32.6083	3.8912
spsb1	c.Audic201207_X052320	NIGv2.S00000512_649491-655558+	12.1887	47.4052	3.8893

hs3st1	c.Audic201207_X049021	JGIv7b.000302805_1842714-1856319+	6.3420	24.3361	3.8373
rp11-122a3.2	c.XGI_TC446451	JGIv7b.000022127_70125-84978+	2.8472	10.7401	3.7721
klf2	c.Amin201106_X028950	NIGv2.S00001538_159234-162660-	6.0886	22.8866	3.7589
oat.1	c.Ueno201210egg_X000339	JGIv7b.000016863_8494863-8513971-	14.2787	52.8348	3.7002
zfp36l2.2	c.UniGene_XI_S42160825	JGIv7b.000021980_1299839-1303233+	5.1411	19.0102	3.6977
trim2	c.Taira201203brain_X009050	JGIv7b.000061741_283686-325933+	4.5490	16.7642	3.6852
ier5	c.Chung201110_X003630	JGIv7b.000053263_7195493-7198049-	40.3013	148.2340	3.6781
ddx39b	c.Amin201106_X015857	JGIv7b.000075398_1100580-1119081-	27.5099	101.0462	3.6731
ssx2ip	c.XenBase_148236336	JGIv7b.000024235_1612955-1629872+	10.5022	38.3704	3.6536
not-b	c.Quigley201212_X014344	JGIv7b.000027038_130890-133875+	6.9124	24.9398	3.6080
patl2	c.TXGP201107_X000601	JGIv7b.000006590_5196886-5213377+	20.8835	75.2434	3.6030
nsmce4a	c.Taira201203egg_X001884	JGIv7b.000016863_9031653-9042543-	4.3278	15.4175	3.5624
morn2	c.Chung201110_X007967	NIGv2.S00000914_155417-172394+	81.0485	287.6168	3.5487
ndufb8	c.Chung201110_X008334	NIGv2.S00003140_77811-90953-	59.5474	210.4414	3.5340

mgat2	c.TXGP201107_X009954	JGIv7b.000404268_896177-901819+	3.4642	12.2077	3.5239
cpeb1	c.Ueno201210st08_X001414	NIGv2.S00002724_684921-715324+	2.8638	10.0341	3.5038
mob3c	c.Taira201203lung_X009424	NIGv2.S00003101_168454-201204+	9.6505	33.3361	3.4543
vamp4	c.Ismailoglu201203_X013221	NIGv2.S00000616_182343-188372+	3.6457	12.5573	3.4444
tgds	c.Audic201207_X031833	JGIv7b.000086067_1615568-1639248-	3.2517	11.1765	3.4372
sgk1	c.Taira201203ovary_X003188	JGIv7b.000039762_1596878-1614597+	40.8020	139.9955	3.4311
klhdc10	c.Chang2013_X038910	NIGv2.S00000659_13859-43629-	5.1339	17.5279	3.4141
klf2	c.Taira201203brain_X016955	JGIv7b.000357348_471871-475471+	23.7127	80.9026	3.4118
kif20a	c.Taira201203egg_X004130	JGIv7b.000058038_4124040-4143424+	5.4795	18.6087	3.3961
spsb1	c.Audic201207_X027549	JGIv7b.000066475_149868-163046-	19.4531	65.1790	3.3506
pdia3	c.Amin201106_X018916	JGIv7b.000106789_1878320-1894173-	62.3297	208.5832	3.3465
map1lc3c	c.Chang2013_X020661	JGIv7b.000062432_227149-233998+	31.2584	104.4125	3.3403
cdca7	c.Chang2013_X016983	JGIv7b.000049342_728889-735053+	42.2616	141.0861	3.3384
rgs4	c.Taira201203st10_X003952	JGIv7b.000181903_1352400-1362094-	21.1239	70.3488	3.3303

tdh	c.Chang2013_X041636	NIGv2.S00005195_53176-58547-	5.0000	16.6361	3.3273
vangl2	c.Ueno201210egg_X000601	JGIv7b.000041091_1975712-2030640+	85.3457	283.9017	3.3265
tacr3	c.Taira201203brain_X002034	JGIv7b.000009994_6480379-6497154+	4.3788	14.4178	3.2927
fam165a	c.Audic201207_X002127	JGIv7b.000003881_214616-220003-	5.0931	16.6961	3.2782
acp5	c.Taira201203kidney_X013179	JGIv7b.000293151_553972-582745-	8.4192	27.5904	3.2771
vegfa	c.XenBase_148229992	JGIv7b.000111824_6479399-6518494-	5.1684	16.9355	3.2767
hprt1	c.Audic201207_X000424	JGIv7a.000173084_689290-706846+	6.3188	20.5777	3.2566
ccna1	c.Quigley201212_X032721	JGIv7b.000091366_786361-795530+	44.0533	142.9823	3.2457
rnf138	c.Chang2013_X040712	NIGv2.S00002774_218588-228009-	21.6501	70.1376	3.2396
spsb1	c.Taira201203eye_X015081	NIGv2.S00000590_555846-572578+	15.6920	50.7502	3.2341
slc30a5	c.Ueno201210st10_X000656	JGIv7b.000032212_7716063-7741512-	3.6444	11.7800	3.2323
ccna1	c.Chang2013_X041006	NIGv2.S00003350_160219-168990-	30.8311	99.5147	3.2277
c13orf15	c.Ueno2012102cells_X002033	NIGv2.S00002917_490529-498077-	8.4745	27.2595	3.2166
efcab4a	c.Taira201203kidney_X003374	JGIv7b.000021980_2211247-2264404+	3.4245	10.9840	3.2075

rilp	c.JGIL6RMv1_XeXenL6RMv10015407m	JGIv7b.000159212_770421-796026+	4.5399	14.5083	3.1957
siva1	c.Ueno201210st10_X001965	JGIv7b.000230550_3128515-3134801-	16.8197	53.7205	3.1939
oct60	c.Ueno201210st12_X000686	NIGv2.S00001621_270628-275793+	23.8977	76.0747	3.1834
zcchc3	c.TXGP201107_X008373	JGIv7b.000198991_197518-200322-	4.8283	15.3629	3.1818
spdyc-b	c.mgEST_1013156593	JGIv7b.000021980_494497-503231+	30.0181	95.4490	3.1797
fam46c	c.Ueno201210st08_X001415	NIGv2.S00002735_60416-61693-	3.6723	11.6515	3.1728
mlh1	c.Chang2013_X000834	JGIv7b.000001268_1012707-1096616+	4.3068	13.6451	3.1683
nedd9	c.JGIL6RMv1_XeXenL6RMv10045561m	JGIv7b.000026933_203088-289217-	5.1189	16.1332	3.1517
csnk1e	c.Audic201207_X054625	NIGv2.S00002589_664278-702891-	14.6665	46.1827	3.1489
hprt1	c.Taira201203ovary_X003867	JGIv7b.000050694_3548026-3565803+	4.9178	15.4744	3.1466
dnajb14	c.Park201106_X027317	NIGv2.S00002782_21805-25261+	11.7557	36.8987	3.1388
klhdc10	c.Chang2013_X000115	JGIv7a.000014874_322134-363836-	3.6037	11.3088	3.1381
ccrn4l	c.Taira201203st25_X003492	JGIv7b.000099286_6569457-6595016+	5.2090	16.3427	3.1374
ccnb1	c.JGIL6RMv1_XeXenL6RMv10035758m	JGIv7b.000220499_647410-652378+	64.1374	200.3620	3.1240

tnfsf11	c.XGI_TC415993	JGIv7b.000014978_7271141-7282475-	10.8967	34.0387	3.1238
mb21d2	c.Taira201203lung_X008661	JGIv7b.000343860_21109-84677+	9.0670	28.0124	3.0895
tubgcp3	c.Ueno201210brain_X003194	JGIv7b.000338390_776141-832850-	3.9318	12.1471	3.0894
tbp	c.TXGP201107_X008044	JGIv7b.000176005_572262-579759+	17.3541	53.5330	3.0848
creld1	c.Audic201207_X008480	JGIv7b.000013523_3883669-3902761+	6.1640	18.9812	3.0793
pot1	c.Audic201207_X014199	JGIv7b.000026505_2071401-2105845-	5.6634	17.4326	3.0781
rdh13	c.JGIL6RMv1_XeXenL6RMv10004651m	JGIv7b.000045784_4482352-4492592+	5.8561	18.0231	3.0777
btg4	c.UniGene_Xl_S14220550	JGIv7b.000078584_1125227-1127450-	39.9821	122.7988	3.0713
helb	c.Chang2013_X034194	JGIv7b.000237412_2142889-2163016-	4.2547	13.0592	3.0693
sod2	c.TXGP201107_X003965	JGIv7b.000045784_2977584-2989220-	5.2188	15.9932	3.0645
sun1	c.Taira201203egg_X002246	JGIv7b.000023403_10136726-10178735+	4.8545	14.8288	3.0546
kiaa0922	c.Taira201203brain_X009054	JGIv7b.000061741_394843-469388+	4.0926	12.4973	3.0536
ccna1	c.Quigley201212_X043616	JGIv7b.000200825_2199521-2208550+	71.6546	218.6518	3.0515
cbx4	c.Taira201203st09_X000261	JGIv7b.000005370_1603225-1608614-	5.1059	15.5715	3.0497

rnf170	c.JGIL6RMv1_XeXenL6RMv10051578m	JGIv7b.000163107_637708-655961+	3.3595	10.2067	3.0382
nedd9	c.Taira201203eye_X016158	NIGv2.S00007338_576-25527+	5.3162	16.1395	3.0359
reep6	c.Quigley201212_X056701	NIGv2.S00013727_36150-40518+	14.6574	44.4527	3.0328
enpp2	c.Taira201203brain_X018665	NIGv2.S00004799_369413-445282+	4.5619	13.8245	3.0304
tmem171	c.Taira201203st08_X000113	JGIv7b.000001187_10908794-10923559+	6.9792	20.9345	2.9995
klhdc10	c.Ueno201210st10_X000317	JGIv7b.000012518_8258085-8291189+	7.8098	23.4224	2.9991
b3gnt5	c.UniGene_Xl_S22811484	JGIv7b.000030987_3701400-3722018-	6.2755	18.8080	2.9970
rgs4	c.Taira201203brain_X007575	JGIv7b.000047606_5262500-5271416+	3.4071	10.1434	2.9772
trim7	c.UniGene_Xl_S19656780	JGIv7b.000173270_369949-372720+	5.4034	16.0358	2.9677
romo1	c.Ueno2012106cells_X002149	JGIv7b.000345631_1246002-1250872-	26.8894	79.7325	2.9652
aktip	c.JGIL6RMv1_XeXenL6RMv10028853m	JGIv7b.000046631_26538-48284-	7.7732	22.9473	2.9521
ccnb1	c.Ueno201210st09_X001000	NIGv2.S00000097_65075-71908-	112.0090	328.4513	2.9324
Unnamed	c.TXGP201107_X003472	JGIv7b.000037448_486318-492292-	37.1277	108.8195	2.9309
cited2	c.TXGP201107_X010770	NIGv2.S00004977_24236-61333+	16.0486	47.0087	2.9291

usp33	c.TXGP201107_X002485	JGIv7b.000024235_4393709-4436693+	3.5248	10.2815	2.9169
hmgcs1	c.UniGene_Xl_S21504278	JGIv7b.000337825_1326128-1347570-	8.0536	23.3625	2.9009
vegt-a	c.Taira201203egg_X006435	JGIv7b.000162663_567657-580754+	5.6582	16.3833	2.8955
c15orf29	c.Audic201207_X056143	NIGv2.S00005561_61441-79064-	5.4119	15.6613	2.8939
socs1	c.Audic201207_X013974	JGIv7b.000026364_1320827-1325223+	8.3092	23.9905	2.8872
rbm48	c.JGIL6RMv1_XeXenL6RMv10008533m	JGIv7b.000112411_1789617-1797421-	6.0354	17.4170	2.8858
c15orf29	c.Audic201207_X000316	JGIv7a.000044952_114318-131940+	6.0304	17.3685	2.8801
cat.2	c.Amin201106_X015667	JGIv7b.000074352_2001196-2019166+	3.8645	11.1068	2.8741
tbp	c.Quigley201207_X000083	JGIv7a.000042089_691873-698741+	25.7592	73.9636	2.8713
hes2	c.Audic201207_X032154	JGIv7b.000087017_2605107-2607011+	15.2517	43.2356	2.8348
ssx2ip	c.Taira201203testis_X004428	NIGv2.S00003758_882-23956+	10.4601	29.6418	2.8338
Unnamed	c.XGI_TC424259	JGIv7b.000189728_169429-172053+	6.8182	19.2923	2.8295
gimap8	c.JGIL6RMv1_XeXenL6RMv10022754m	JGIv7b.000159943_759754-768116+	5.3329	15.0738	2.8266
dnajc9	c.Chang2013_X020957	JGIv7b.000067143_57774-64661+	9.3456	26.4091	2.8258

cited2	c.Taira201203lung_X000289	JGIv7b.000003036_19-1129-	14.6693	41.4082	2.8228
pim3	c.Audic201207_X035421	JGIv7b.000108224_328683-333812+	32.8966	92.7716	2.8201
zar1l	c.mgEST_1013092678	JGIv7b.000085380_396900-402158-	6.9019	19.4384	2.8164
pwwp2b	c.Audic201207_X052703	NIGv2.S00000775_402791-422536-	5.7312	16.0371	2.7982
lpar1	c.Park201106_X019046	JGIv7b.000138921_509336-594684+	7.1817	19.9551	2.7786
rbp2	c.Taira201203egg_X003400	JGIv7b.000044494_4831667-4835810+	7.0876	19.6912	2.7783
ankrd37	c.JGIL6RMv1_XeXenL6RMv10019019m	JGIv7b.000041523_5441137-5444752+	6.4579	17.9367	2.7775
csnk1e	c.Chang2013_X036098	JGIv7b.000298452_154108-193571+	16.8786	46.8731	2.7771
cdc42ep2	c.XGI_TC420969	NIGv2.S00001851_175281-196075+	7.6346	21.1599	2.7716
zar1l	c.JGIL6RMv1_XeXenL6RMv10004417m	JGIv7b.000200825_707245-714280-	13.3384	36.9355	2.7691
ccnb1	c.Chang2013_X038225	NIGv2.S00000078_323966-328917+	42.4372	116.7835	2.7519
tmem57	c.XenBase_59897110	JGIv7b.000167390_21266-49398-	14.9700	41.0951	2.7452
uap1	c.TeperekTkacz201206_X004667	JGIv7b.000181903_1492576-1508305-	38.5007	105.6117	2.7431
rcan3	c.Audic201207_X021755	JGIv7b.000047026_1026644-1041145-	4.8612	13.3296	2.7420

ppargc1a	c.JGIL6RMv1_XeXenL6RMv10008231m	JGIv7b.000016001_1733392-1762819-	3.6833	10.0863	2.7384
rad51d	c.XGI_TC421430	JGIv7b.000267344_1554170-1569938+	12.0842	33.0660	2.7363
ssx2ip	c.XGI_TC451478	JGIv7b.000137809_1838967-1862244+	20.5873	56.2695	2.7332
btg4	c.TeperekTkacz201202_X000972	JGIv7b.000185843_399483-403249+	88.8305	241.1269	2.7145
clic1	c.Quigley201207_X007846	JGIv7b.000075398_1956460-1982526+	4.5303	12.2799	2.7106
rassf3	c.Taira201203spleen_X000358	JGIv7b.000005925_322282-417925+	12.6255	34.1888	2.7079
rbm24	c.Ueno2012104cells_X001046	JGIv7b.000121479_384572-396468+	28.1106	76.1160	2.7077
mfn2	c.JGIL6RMv1_XeXenL6RMv10053256m	JGIv7b.000076000_889960-907855+	5.2260	14.1302	2.7039
chmp1a	c.Quigley201212_X051081	JGIv7b.000398601_1827-11556-	11.7292	31.6970	2.7024
ttc5	c.Taira201203lung_X008868	NIGv2.S00000077_302823-308542-	25.7693	69.4320	2.6944
dclre1a	c.Ueno201210testis_X000041	JGIv7b.000020641_2546195-2673233+	7.4158	19.9747	2.6935
zfand2a	c.TXGP201107_X001035	JGIv7b.000009994_8681051-8693755+	14.2133	38.2571	2.6916
parp15	c.Chang2013_X009064	JGIv7b.000021603_9359704-9378965+	17.5583	47.2095	2.6887
fhdc1	c.Taira201203egg_X001022	JGIv7b.000011405_404747-430644-	5.8254	15.6186	2.6811

tesk2	c.TXGP201107_X010100	NIGv2.S00000426_415965-464231+	5.9712	15.9788	2.6760
atp6v1f	c.TXGP201107_X006685	JGIv7b.000104110_1033421-1036113+	4.3147	11.5447	2.6757
alg1	c.XenBase_120577611	JGIv7b.000120240_1678920-1690839-	5.4934	14.6373	2.6645
mgat4b	c.Taira201203ovary_X006839	JGIv7b.000169004_939862-991912-	4.2116	11.1846	2.6557
vamp4	c.Taira201203lung_X007405	JGIv7b.000181903_1718449-1734565-	4.1800	11.0902	2.6531
plekhf2	c.Audic201207_X016971	JGIv7b.000034503_1184298-1195280+	6.6457	17.6212	2.6515
pigb	c.Chang2013_X040950	NIGv2.S00003195_301331-316273-	6.9102	18.2853	2.6461
sod2	c.Ueno201210st10_X000245	JGIv7b.000009528_780257-792178+	5.1743	13.6461	2.6373
ccdc71l	c.Audic201207_X007670	JGIv7b.000012518_17921341-17924686-	10.6679	28.0823	2.6324
hba1	c.Ueno201210st12_X000456	JGIv7b.000120240_2034592-2044970-	48.0192	126.2530	2.6292
hhipl1	c.TXGP201107_X005134	JGIv7b.000060526_117605-143948+	3.9954	10.5040	2.6290
vldlr	c.JGIL6RMv1_XeXenL6RMv10052386m	JGIv7b.000106782_1647104-1689421-	7.3507	19.3193	2.6282
eif2c1	c.Park201106_X027575	NIGv2.S00003415_677377-687156-	6.4418	16.9028	2.6239
snx10	c.Taira201203st30_X005028	NIGv2.S00001230_520830-547530-	13.7245	35.9954	2.6227

fbxo33	c.JGIL6RMv1_XeXenL6RMv10005326m	NIGv2.S00002809_366619-381083+	8.8484	23.1080	2.6115
ccnb1	c.Chang2013_X012184	JGIv7b.000032212_7697205-7707852-	115.1349	300.4725	2.6097
mapkbp1	c.TXGP201107_X000019	JGIv7a.000008552_1351076-1436548-	6.8992	17.9965	2.6085
cdc6	c.Ueno2012104cells_X000219	JGIv7b.000013265_3282967-3290855+	28.1795	73.4436	2.6063
Unnamed	c.Audic201207_X036836	JGIv7b.000125077_505053-507505+	12.7223	33.0838	2.6005
cox5b.2	c.mgEST_1013088791	JGIv7b.000203187_564639-572568-	18.6687	48.5178	2.5989
btbd6	c.Ueno2012106cells_X001977	JGIv7b.000236382_5836024-5845336+	4.5174	11.7391	2.5986
ets1	c.Park201106_X020434	JGIv7b.000166674_4677757-4719012+	6.8321	17.7509	2.5982
rif1	c.UniGene_Xl_S60885257	JGIv7b.000004321_14052078-14104109-	39.1263	101.6512	2.5980
atl2	c.Quigley201212_X055589	NIGv2.S00004020_80090-136242+	7.0492	18.2677	2.5915
gng4	c.Audic201207_X030250	JGIv7b.000078860_1059213-1082845+	9.1311	23.6251	2.5873
dusp22	c.UniGene_Xl_S20755577	JGIv7b.000274508_1364859-1406902-	18.6620	48.2759	2.5869
iffo2	c.Quigley201112_X021986	JGIv7b.000374693_176522-223508+	7.0811	18.2955	2.5837
aldh2	c.JGIL6RMv1_XeXenL6RMv10040201m	JGIv7b.000025254_4358924-4376397+	17.1374	44.2349	2.5812

depdc4	c.Audic201207_X034415	JGIv7b.000100253_3192496-3205330-	11.8252	30.4571	2.5756
cdc42ep2	c.Ismailoglu201203_X003062	JGIv7b.000021980_1679603-1700271-	3.9181	10.0691	2.5699
map3k8	c.Quigley201212_X011244	JGIv7b.000017434_1193394-1216661-	8.4513	21.6975	2.5673
plk3	c.Audic201207_X042421	JGIv7b.000179914_193398-208660+	7.4097	18.9338	2.5553
rcbtb1	c.Taira201203spleen_X006243	NIGv2.S00003027_102501-118935-	4.1864	10.6735	2.5495
golga5	c.Quigley201112_X000176	JGIv7a.000050639_2568037-2578242-	3.9418	10.0497	2.5495
lmbrd2	c.Quigley201212_X023738	JGIv7b.000052441_5992095-6032818+	76.0494	193.7529	2.5477
klhdc10	c.Chang2013_X040149	NIGv2.S00001893_236596-281078-	7.0439	17.9436	2.5474
Unnamed	c.Taira201203st30_X000113	JGIv7b.000002049_1721239-1731925+	13.0551	33.2537	2.5472
vldlr	c.Taira201203pancreas_X000032	JGIv7a.000080722_111668-153982-	8.7764	22.3417	2.5457
prdx2	c.XGI_TC424241	JGIv7b.000055171_763313-771105+	17.5490	44.5211	2.5370
prkch	c.Ismailoglu201203_X005346	JGIv7b.000045985_1934926-2037100+	4.8521	12.3096	2.5370
usp46	c.Taira201203ovary_X009024	NIGv2.S00003249_1134911-1168876-	4.4495	11.2716	2.5332
prr14l	c.Taira201203muscle_X002753	NIGv2.S00003088_70363-74994+	6.4727	16.3799	2.5306

zar1l	c.Chang2013_X012320	JGIv7b.000032686_37650-40879+	9.8037	24.7771	2.5273
fabp4	c.JGIL6RMv1_XeXenL6RMv10008819m	JGIv7b.000022127_2889081-2897540+	39.4676	99.6307	2.5244
snx7	c.mgEST_1013252172	JGIv7b.000120545_1486943-1527899+	31.0891	78.4515	2.5234
trim8	c.Ismailoglu201203_X002664	JGIv7b.000016863_662936-726204+	6.6186	16.6780	2.5199
znf337	c.Audic201207_X007264	JGIv7b.000012518_12603145-12616647+	17.4818	44.0512	2.5198
gng10	c.Amin201106_X029391	NIGv2.S00002531_154012-163932-	4.2024	10.5855	2.5189
chst8	c.TeperekTkacz201206_X005089	JGIv7b.000249035_1044104-1238929-	4.0956	10.3146	2.5185
mcm3	c.Chang2013_X041194	NIGv2.S00003605_154458-175768+	10.5166	26.4633	2.5163
prrg1	c.Chang2013_X038519	NIGv2.S00000267_3222777-3223253+	12.5145	31.4764	2.5152
Unnamed	c.Park201106_X027774	NIGv2.S00004228_479305-485150-	6.2735	15.7705	2.5138
zdhhc12	c.Audic201207_X026394	JGIv7b.000059883_3291150-3298620+	4.4231	11.1139	2.5127
kank1	c.Taira201203ovary_X005773	JGIv7b.000106782_2293540-2395842-	6.0807	15.2717	2.5115
popdc3	c.Taira201203heart_X000877	JGIv7b.000008630_3296431-3323248-	3.9956	10.0297	2.5102
dnajb14	c.TXGP201107_X007950	JGIv7b.000167800_1369425-1389999-	17.0240	42.6491	2.5052

haus4	c.UniGene_Xl_S25080848	JGIv7b.000013576_6346487-6359893-	8.0029	20.0437	2.5046
kank1	c.Taira201203st09_X000017	JGIv7a.000080722_758166-860403-	5.6362	14.1161	2.5045
rnf185	c.XGI_TC421053	JGIv7b.000113816_250455-262733-	5.8215	14.5631	2.5016
prdx5	c.Taira201203brain_X000540	JGIv7b.000002589_2417072-2426025+	4.3733	10.9395	2.5014
tmem87b	c.JGIL6RMv1_XeXenL6RMv10050078m	JGIv7b.000012020_171705-199015-	10.5619	26.4108	2.5006
h2afj	c.XGI_TC421065	JGIv7b.000013523_7022435-7024519+	5.1019	12.7566	2.5003
ccdc3	c.Audic201207_X007576	JGIv7b.000012518_13022603-13051429-	7.8029	19.5063	2.4999
picalm.2	c.Amin201106_X030197	NIGv2.S00005631_101009-113817+	4.6536	11.5932	2.4912
irf2	c.Quigley201212_X009298	JGIv7b.000014692_3557869-3593123+	4.5867	11.4103	2.4877
mfn2	c.Taira201203brain_X011919	JGIv7b.000108577_389256-418397+	10.4618	26.0198	2.4871
chp	c.XenBase_148236366	JGIv7b.000218195_2686150-2715482-	29.7963	74.0275	2.4845
gtpbp6	c.XenBase_147902717	JGIv7b.000190664_974475-996894-	9.7056	24.0735	2.4804
cbx4	c.UniGene_Xl_S13590568	NIGv2.S00000381_539753-545465-	5.5847	13.8462	2.4793
tmem57	c.Ismailoglu201203_X005490	JGIv7b.000047026_493573-514727-	16.5506	40.9586	2.4748

prdx5	c.Audic201207_X055941	NIGv2.S00004888_207978-216979-	4.1425	10.2244	2.4682
b3gnt5	c.Audic201207_X053094	NIGv2.S00001001_472858-492818-	6.8837	16.9617	2.4640
cdk5r2	c.Taira201203st09_X003677	JGIv7b.000127187_67829-70649+	5.2603	12.9501	2.4619
mapkbp1	c.Ueno201210st09_X001033	NIGv2.S00000876_1413329-1499525-	7.9550	19.5792	2.4613
kiaa1737	c.Ismailoglu201203_X012394	JGIv7b.000289484_168780-179149+	5.9382	14.6015	2.4589
klf2	c.Chang2013_X039910	NIGv2.S00001484_754702-758538-	14.5623	35.7620	2.4558
znf300	c.Chang2013_X033558	JGIv7b.000223728_307126-310308+	62.4342	153.2632	2.4548
foxr1	c.Ueno2012102cells_X001757	JGIv7b.000287959_3065662-3085561-	9.0797	22.2825	2.4541
ccdc117	c.Taira201203brain_X018472	NIGv2.S00003454_691237-706773+	14.1092	34.6016	2.4524
neu1	c.Amin201106_X015854	JGIv7b.000075398_1063376-1077976-	4.8017	11.7466	2.4463
gja4	c.Ismailoglu201203_X010437	JGIv7b.000166674_387192-391831-	6.8011	16.6200	2.4437
tmem51	c.Audic201207_X035538	JGIv7b.000109184_1030321-1068948-	4.5747	11.1775	2.4433
tmem57	c.Audic201207_X054695	NIGv2.S00002689_26954-54534-	14.1318	34.5172	2.4425
tbp	c.Taira201203st08_X002042	JGIv7b.000034423_1781424-1792792-	33.2616	81.2029	2.4413

pparg	c.XenBase_38014780	NIGv2.S00003119_62006-98298-	13.0333	31.8005	2.4399
rpain	c.TeperekTkacz201202_X001249	NIGv2.S00003419_1262929-1270325+	19.0534	46.4590	2.4384
grem1	c.Chang2013_X019154	JGIv7b.000055171_175894-179028-	19.3065	47.0533	2.4372
golga5	c.Quigley201112_X014304	JGIv7b.000096659_1982351-2000980+	6.9012	16.8129	2.4362
ets1	c.Quigley201212_X045192	JGIv7b.000226594_999101-1039318-	6.0551	14.7512	2.4362
golt1b	c.Amin201106_X030315	NIGv2.S00006552_75449-79526+	98.0478	238.7718	2.4353
snx10	c.Taira201203st10_X003152	JGIv7b.000099185_1240707-1267816-	13.0846	31.8519	2.4343
sun1	c.Taira201203kidney_X014375	NIGv2.S00000962_411661-445484-	4.2867	10.4324	2.4337
mapkbp1	c.Taira201203st20_X003459	JGIv7b.000091950_1425037-1512178-	9.7679	23.7416	2.4306
tesk2	c.Taira201203ovary_X006932	JGIv7b.000179914_418724-467986+	7.4210	18.0033	2.4260
c13orf15	c.Taira201203st25_X000983	JGIv7b.000014978_7745525-7756248-	34.4889	83.6550	2.4256
Unnamed	c.Taira201203pancreas_X002475	JGIv7b.000162663_1276806-1284586+	12.6952	30.7740	2.4241
kiaa1715	c.Taira201203ovary_X003305	JGIv7b.000043242_3715591-3743210-	11.3671	27.5387	2.4227
liph	c.Taira201203st08_X000725	JGIv7b.000011316_5046664-5065548+	36.1585	87.5825	2.4222

tmem51	c.Quigley201112_X022885	NIGv2.S00000884_921399-935517-	4.5746	11.0742	2.4208
ift80	c.Taira201203eye_X007534	JGIv7b.000058517_537936-609979-	10.0435	24.2383	2.4133
cebpg	c.TXGP201107_X010361	NIGv2.S00001380_2151666-2162683+	16.4955	39.8082	2.4133
klhdc10	c.Taira201203egg_X005583	JGIv7b.000104110_518975-564418-	5.6286	13.5794	2.4126
foxh1	c.Taira201203ovary_X006226	JGIv7b.000135348_1961464-1970377+	5.0990	12.2928	2.4108
kiaa0355	c.Ueno201210egg_X001390	JGIv7b.000249035_666016-723445+	16.4686	39.6934	2.4102
acpl2	c.Taira201203st25_X001320	JGIv7b.000023885_570565-587169-	5.1163	12.3185	2.4077
ppargc1b	c.Taira201203kidney_X014943	NIGv2.S00003217_537267-547397-	5.0665	12.1827	2.4046
b3gnt4	c.Audic201207_X051181	JGIv7b.000395028_1045564-1051878-	9.3946	22.5654	2.4020
mff	c.Quigley201112_X022578	NIGv2.S00000382_1932688-1942418+	4.6198	11.0956	2.4017
fbxl4	c.Chang2013_X033124	JGIv7b.000208071_594963-612623-	7.6625	18.3830	2.3991
zyg11b	c.TeperekTkacz201206_X006018	NIGv2.S00003349_129348-150810+	4.9239	11.8083	2.3982
Unnamed	c.Ismailoglu201203_X005492	JGIv7b.000047091_451133-456698+	5.5299	13.2614	2.3981
ccng2	c.Taira201203ovary_X004392	JGIv7b.000058878_5276423-5284649-	6.3545	15.2150	2.3944

vldlr	c.Taira201203st09_X005031	NIGv2.S00001139_956359-998411+	9.3903	22.4364	2.3893
trim14	c.UniGene_Xl_S14219872	JGIv7b.000074488_1497018-1508582+	278.9877	666.5053	2.3890
chmp7	c.Taira201203kidney_X003977	JGIv7b.000027313_20393-37906-	13.2092	31.5390	2.3877
Unnamed	c.Taira201203brain_X018123	NIGv2.S00002155_161459-164407-	55.1593	131.6335	2.3864
cep76	c.XenBase_50415151	JGIv7b.000044494_955783-969852-	12.3890	29.5636	2.3863
grem1	c.JGIL6RMv1_XeXenL6RMv10044253m	JGIv7b.000049557_885127-888412+	67.7790	161.5651	2.3837
polr3g	c.Taira201203ovary_X000202	JGIv7b.000001187_6195997-6208255-	6.7918	16.1855	2.3831
tnfaip8l3	c.Taira201203st09_X000012	JGIv7a.000034489_243009-275525+	10.9065	25.9891	2.3829
nuak2	c.Taira201203st09_X001916	JGIv7b.000042281_572864-587643-	11.0495	26.3230	2.3823
atl2	c.Ismailoglu201203_X008265	JGIv7b.000089475_625731-671428-	10.7549	25.6117	2.3814
lrrc20	c.mgEST_1013106533	JGIv7b.000016807_4931202-5044028+	8.0655	19.2005	2.3806
abhd13	c.XGI_TC420854	JGIv7b.000167628_2883957-2892643+	7.1472	16.9888	2.3770
tmem170a	c.XenBase_49903443	JGIv7b.000075342_54715-63367-	6.3728	15.1399	2.3757
mb21d2	c.Ueno201210kidney_X000605	JGIv7b.000030987_4116087-4174199+	9.8389	23.3600	2.3742

bambi	c.Amin201106_X005884	JGIv7b.000017434_880602-887978+	6.5322	15.4861	2.3707
ism1	c.TeperekTkacz201202_X000139	JGIv7b.000012020_11809576-11845053-	20.6321	48.8918	2.3697
c4bpa	c.Taira201203egg_X002316	JGIv7b.000024235_5436706-5481016-	6.6332	15.7166	2.3694
dnajc9	c.Amin201106_X030268	NIGv2.S00006259_56963-63694+	14.3897	34.0859	2.3688
pif1	c.JGIL6RMv1_XeXenL6RMv10012147m	JGIv7b.000067962_340725-351534-	17.8862	42.3677	2.3687
tceb2	c.Quigley201212_X053864	NIGv2.S00001595_114830-125047-	76.0076	179.7917	2.3654
lrrc40	c.JGIL6RMv1_XeXenL6RMv10025122m	JGIv7b.000222206_406618-436078+	7.2401	17.1231	2.3650
tubgcp5	c.TXGP201107_X009074	JGIv7b.000255785_211310-229369+	7.4969	17.7145	2.3629
dynlrb2	c.Audic201207_X027170	JGIv7b.000062355_7182-26513+	7.8460	18.5368	2.3626
adrbk2	c.Taira201203st09_X002019	JGIv7b.000044061_2957359-3068478+	7.9389	18.7558	2.3625
fam126a	c.Ueno2012106cells_X001951	JGIv7b.000222217_887964-945349-	4.4305	10.4670	2.3625
slc18a2	c.XGI_TC416830	JGIv7b.000139741_1438356-1457109+	20.2021	47.6371	2.3580
ccdc68	c.Chang2013_X041113	NIGv2.S00003474_201149-229730-	14.8075	34.9125	2.3578
aco2	c.Amin201106_X028808	NIGv2.S00001315_1221169-1241309+	18.9121	44.5887	2.3577

asah1	c.Ueno201210kidney_X000360	JGIv7b.000014692_1013133-1027615-	9.5425	22.4617	2.3539
rcbtb1	c.Ueno201210brain_X002784	JGIv7b.000200825_5222137-5238765+	5.5439	13.0488	2.3537
tradd	c.XenBase_80476542	JGIv7b.000039730_747516-755792-	10.1275	23.8176	2.3518
fam8a1	c.Taira201203stomach_X000021	JGIv7a.000036487_195730-210461+	5.6012	13.1665	2.3506
ptpn3	c.XGI_TC413591	JGIv7b.000009534_82546-200284-	7.1057	16.6991	2.3501
fbxo33	c.Taira201203testis_X002170	JGIv7b.000060526_305288-320039-	8.7815	20.6140	2.3475
pim3	c.Quigley201212_X039731	JGIv7b.000152894_17327-23415-	24.3607	57.1542	2.3462
fam177a1	c.Amin201106_X025404	JGIv7b.000265107_1397790-1409483+	26.5844	62.3132	2.3440
rnf8	c.Ueno2012102cells_X001705	JGIv7b.000256136_750566-757156+	14.7208	34.5037	2.3439
dnajb9	c.Audic201207_X015479	JGIv7b.000030470_2778439-2785897-	4.5754	10.6970	2.3380
trim8	c.Chang2013_X008902	JGIv7b.000020754_79004-149155+	5.9856	13.9837	2.3362
c20orf7	c.JGIL6RMv1_XeXenL6RMv10049608m	JGIv7b.000012020_11522668-11546266-	8.2865	19.3584	2.3361
c19orf44	c.Ismailoglu201203_X008318	JGIv7b.000090041_5824040-5831999-	13.8617	32.3272	2.3321
prmt5	c.Audic201207_X049717	JGIv7b.000326511_1067099-1084480-	4.3322	10.0977	2.3309

depdc7	c.Quigley201112_X010106	JGIv7b.000051988_3615759-3631460+	19.1439	44.5993	2.3297
ank3	c.Taira201203eye_X008925	JGIv7b.000079772_1706931-1851064+	5.3699	12.5094	2.3295
kif13a	c.Taira201203egg_X008774	NIGv2.S00009221_4382-67706+	5.9791	13.9074	2.3260
gramd3	c.Taira201203eye_X014301	JGIv7b.000332973_1550687-1602350-	136.6730	317.6503	2.3242
b9d2	c.Park201106_X008957	JGIv7b.000039723_9341434-9344109+	16.1261	37.4728	2.3237
Unnamed	c.Chang2013_X005159	JGIv7b.000012518_372742-384213-	5.0207	11.6616	2.3227
c14orf109	c.Taira201203liver_X001461	JGIv7b.000039723_1331764-1339011-	18.4059	42.7250	2.3213
tbx20	c.UniGene_Xl_S20247712	JGIv7b.000097703_120617-134222-	4.6124	10.7066	2.3213
c11orf70	c.JGIL6RMv1_XeXenL6RMv10019322m	JGIv7b.000006290_782281-807573-	5.1340	11.9171	2.3212
bfar	c.XGI_TC418564	JGIv7b.000009994_1592416-1612079-	28.3344	65.7213	2.3195
c12orf66	c.Ueno2012104cells_X000513	JGIv7b.000037038_212170-221345+	4.3717	10.1345	2.3182
gpkow	c.Audic201207_X050801	JGIv7b.000376231_14717-32725-	14.9026	34.5361	2.3175
alg11	c.Ueno201210egg_X001636	NIGv2.S00003027_961458-968920+	5.2754	12.2133	2.3152
rxrg	c.Taira201203kidney_X008343	JGIv7b.000078978_1407888-1480806+	6.2108	14.3769	2.3148

atl2	c.Quigley201212_X042339	JGIv7b.000180104_1646919-1703974-	15.8370	36.6574	2.3147
ppp3cb	c.TeperekTkacz201205_X002740	NIGv2.S00002235_42396-71421-	12.7420	29.4644	2.3124
cry1	c.Quigley201212_X021579	JGIv7b.000047533_5654488-5685330+	14.8920	34.3924	2.3094
rfwd2	c.Audic201207_X028079	JGIv7b.000069443_6973155-7056736-	5.8976	13.6170	2.3089
jakmip1	c.Ueno2012106cells_X001657	JGIv7b.000146311_2519093-2581132-	4.7676	11.0039	2.3081
pwwp2b	c.Taira201203brain_X003793	JGIv7b.000016863_7406068-7426109+	8.0706	18.6081	2.3057
b3gnt5	c.JGIL6RMv1_XeXenL6RMv10019074m	JGIv7b.000136959_672744-675435-	5.4635	12.5925	2.3048
fam107b	c.Audic201207_X007604	JGIv7b.000012518_13612597-13650359-	5.1732	11.9234	2.3048
kiaa1430	c.Audic201207_X009394	JGIv7b.000014692_3117130-3143167+	10.2505	23.6228	2.3045
klf2	c.Chang2013_X024699	JGIv7b.000090041_5944553-5947244-	10.5169	24.2340	2.3043
hdac2	c.Quigley201212_X000313	JGIv7a.000043764_18752-40350+	4.4961	10.3529	2.3026
insm1	c.Taira201203egg_X002601	JGIv7b.000030080_2706723-2717676+	17.1259	39.3823	2.2996
Unnamed	c.Taira201203lung_X009290	NIGv2.S00002053_43594-58339-	4.3745	10.0507	2.2976
inf2	c.Taira201203egg_X000036	JGIv7a.000045701_886559-897689-	9.5935	22.0337	2.2967

zar1l	c.Quigley201212_X052090	NIGv2.S00000409_274016-281048-	11.0497	25.3393	2.2932
plbd2	c.Chang2013_X033765	JGIv7b.000229342_104786-135896+	5.2549	12.0490	2.2929
birc5.1-b	c.Taira201203egg_X005990	JGIv7b.000133382_1856472-1859157-	43.8650	100.5343	2.2919
dnd1	c.Ismailoglu201203_X002531	JGIv7b.000015893_210689-227310-	5.2946	12.1322	2.2914
rab21	c.UniGene_Xl_S17527732	JGIv7b.000237412_340926-357427-	36.9537	84.6278	2.2901
atp10b	c.Taira201203egg_X001746	JGIv7b.000015893_1040991-1381154-	4.5416	10.3969	2.2893
kifap3	c.JGIL6RMv1_XeXenL6RMv10028740m	JGIv7b.000078978_902205-980950+	5.8210	13.3200	2.2883
kiaa0494	c.Taira201203egg_X007574	JGIv7b.000276272_1637656-1653939-	10.5619	24.1644	2.2879
znf282	c.Ismailoglu201203_X009380	JGIv7b.000125180_1742805-1754317+	6.2809	14.3616	2.2866
arhgap18	c.XGI_TC418315	NIGv2.S00001447_15280-42007+	14.0179	32.0344	2.2852
slc25a25	c.Taira201203intestine_X010863	NIGv2.S00004013_35877-42676-	7.3137	16.7113	2.2849
mylip	c.Taira201203egg_X005223	JGIv7b.000090265_231180-268440+	8.4412	19.2734	2.2833
eif1	c.Quigley201112_X023222	NIGv2.S00001391_645171-647700-	101.4072	231.2253	2.2802
gpr21	c.Chang2013_X026409	JGIv7b.000106782_2576508-2585983+	6.7825	15.4613	2.2796

ets1	c.Audic201207_X056631	NIGv2.S00009025_119080-159949-	5.7773	13.1522	2.2765
abhd2	c.TXGP201107_X010038	NIGv2.S00000273_2702123-2724226-	5.7288	13.0408	2.2764
got2	c.Taira201203kidney_X005782	JGIv7b.000046631_4459177-4487259+	12.7035	28.9086	2.2756
uap1	c.Quigley201112_X009177	JGIv7b.000047606_5100243-5116395+	19.7866	44.9976	2.2741
plk3	c.Audic201207_X049533	JGIv7b.000325141_1226916-1240949-	6.8305	15.5293	2.2735
Unnamed	c.Taira201203intestine_X005642	JGIv7b.000075398_1769000-1775954-	6.5208	14.8143	2.2718
slc39a2	c.Audic201207_X000288	JGIv7a.000033191_412292-418715+	7.5367	17.1221	2.2718
hdac2	c.Park201106_X023775	JGIv7b.000275342_2171835-2196127+	8.4948	19.2958	2.2715
amacr	c.UniGene_Xl_S42160853	JGIv7b.000052441_4456988-4477633-	6.8093	15.4470	2.2685
cntd2	c.Chang2013_X013950	JGIv7b.000039723_10740931-10751009+	11.7790	26.7185	2.2683
apcdd1	c.Taira201203st12_X000026	JGIv7a.000076743_249861-255532+	9.7052	21.9898	2.2658
fam134c	c.Taira201203intestine_X010356	NIGv2.S00001030_308209-322303-	11.3845	25.7732	2.2639
sun1	c.Taira201203eye_X015596	NIGv2.S00002464_81771-125177-	5.3057	12.0104	2.2637
Unnamed	c.Ueno201210egg_X001214	JGIv7b.000146478_228-15328-	10.1355	22.9390	2.2632

tmem18	c.Ismailoglu201203_X004936	JGIv7b.000043061_3754291-3763196-	19.3787	43.8552	2.2631
atl2	c.TXGP201107_X010028	NIGv2.S00000250_355940-401222-	10.7961	24.4298	2.2628
paqr3	c.Park201106_X001680	JGIv7b.000005895_1672396-1694640-	4.4841	10.1468	2.2628
rab21	c.Ismailoglu201203_X006060	JGIv7b.000052352_755272-767082-	43.2850	97.9349	2.2626
cdyl	c.Audic201207_X047940	JGIv7b.000274508_1888137-1932226-	6.0130	13.5871	2.2596
fryl	c.Taira201203st25_X001618	JGIv7b.000032657_3068830-3109249+	13.7060	30.9468	2.2579
cbr4	c.Audic201207_X009465	JGIv7b.000014692_9422410-9434441+	21.2249	47.9036	2.2570
ccdc99	c.Taira201203st09_X004104	JGIv7b.000179377_1266560-1295287-	8.0095	18.0543	2.2541
ccdc18	c.JGIL6RMv1_XeXenL6RMv10012853m	JGIv7b.000060618_2019935-2057632-	7.3589	16.5868	2.2540
evi5	c.Ueno201210intestine_X002078	NIGv2.S00000722_179585-273517-	7.0045	15.7766	2.2524
ssx2ip	c.JGIL6RMv1_XeXenL6RMv10045909m	JGIv7b.000055171_1450325-1462962+	8.3260	18.7266	2.2492
fkbp6	c.XenBase_148232322	JGIv7b.000007440_433544-447836-	13.1819	29.6289	2.2477
dhx35	c.Ueno2012102cells_X000078	JGIv7b.000004704_574517-602971+	5.2610	11.8230	2.2473
klhl13	c.Taira201203brain_X016929	JGIv7b.000354435_322305-378016-	12.9591	29.1143	2.2466

chpt1	c.Quigley201207_X009211	JGIv7b.000100253_3775952-3798996+	5.8859	13.2223	2.2464
oxnad1	c.Chang2013_X032073	JGIv7b.000190777_1437667-1468599-	7.3608	16.5293	2.2456
btg3	c.Amin201106_X021722	JGIv7b.000160841_3387681-3397411-	17.5416	39.3727	2.2445
gng4	c.Chang2013_X010110	JGIv7b.000025196_277278-317283-	14.0826	31.6031	2.2441
wdr47	c.Taira201203ovary_X007634	JGIv7b.000245044_2963422-2998691-	5.6929	12.7729	2.2436
ndel1	c.Ueno2012102cells_X001102	JGIv7b.000081941_732707-756728+	4.5905	10.2978	2.2433
rnf19b	c.Taira201203kidney_X011203	JGIv7b.000167390_605089-614591+	6.0094	13.4795	2.2431
slc25a30	c.Amin201106_X028091	NIGv2.S00000341_995333-1006799+	4.5649	10.2350	2.2421
glmn	c.JGIL6RMv1_XeXenL6RMv10052860m	JGIv7b.000047606_1433123-1455862+	13.9508	31.2450	2.2397
zfp36l2.2	c.Taira201203st10_X005009	NIGv2.S00001851_551564-552614+	10.3521	23.1831	2.2395
Unnamed	c.Audic201207_X001573	JGIv7b.000002589_2550510-2563963-	13.3115	29.7678	2.2362
irf2	c.Park201106_X025744	NIGv2.S00000147_1811667-1842647-	6.9439	15.5226	2.2354
rab4b	c.Park201106_X027465	NIGv2.S00003108_1044650-1063147+	7.6556	17.0966	2.2332
mitd1	c.TXGP201107_X002030	JGIv7b.000017127_1084045-1094974+	8.9884	20.0532	2.2310

arhgef12	c.Taira201203st08_X003620	JGIv7b.000078649_1146152-1242299-	5.8946	13.1442	2.2299
plk3	c.Taira201203kidney_X014170	NIGv2.S00000426_191175-202329+	12.0199	26.7876	2.2286
fam46b	c.TXGP201107_X006481	JGIv7b.000098463_2092359-2103126+	65.9341	146.8950	2.2279
ccdc18	c.Ueno201210egg_X000009	JGIv7a.000020698_854296-890587-	7.5530	16.8248	2.2276
gmnn	c.TeperekTkacz201206_X005993	NIGv2.S00002971_104644-109494+	115.1322	256.3747	2.2268
znf300	c.Taira201203st09_X000193	JGIv7b.000003552_26743-27560+	20.4775	45.5899	2.2263
c16orf87	c.XGI_TC423556	JGIv7b.000046631_889557-914706+	4.9851	11.0986	2.2263
fgfr1op2	c.JGIL6RMv1_XeXenL6RMv10050708m	JGIv7b.000070246_641260-647706+	13.8136	30.7323	2.2248
zcchc2	c.Ueno2012106cells_X001105	JGIv7b.000063567_2320614-2353466+	8.0374	17.8799	2.2246
csnk1e	c.Taira201203spleen_X003556	JGIv7b.000078978_5282261-5322709-	33.7038	74.9413	2.2235
ppargc1b	c.Taira201203st09_X001143	JGIv7b.000018892_771888-832699-	5.7081	12.6862	2.2225
fbxo33	c.Quigley201212_X033233	JGIv7b.000096659_5226241-5235422-	7.2891	16.1941	2.2217
rce1	c.Audic201207_X015980	JGIv7b.000031469_989848-1004856+	6.9691	15.4818	2.2215
poc1b	c.Audic201207_X017983	JGIv7b.000037038_2393747-2437747+	9.5873	21.2969	2.2214

b3gnt6	c.Taira201203stomach_X002278	JGIv7b.000163107_1397831-1443867-	5.5711	12.3670	2.2198
gramd3	c.Taira201203intestine_X001420	JGIv7b.000012879_564891-614168-	16.8623	37.4296	2.2197
chmp1a	c.JGIL6RMv1_XeXenL6RMv10041083m	JGIv7b.000010177_1212605-1225218-	19.2800	42.7779	2.2188
arhgef12	c.Taira201203heart_X008787	NIGv2.S00002350_375897-486653-	6.0745	13.4625	2.2162
cpsf4	c.Quigley201112_X022573	NIGv2.S00000371_1893358-1895886+	13.9534	30.9117	2.2154
ddb2	c.Ueno201210ovary_X000526	JGIv7b.000074352_2022988-2035133+	5.8927	13.0481	2.2143
rnf19b	c.Ueno201210eye_X000978	JGIv7b.000047026_1047561-1059714+	7.1660	15.8621	2.2135
mcm3	c.TXGP201107_X008579	JGIv7b.000215439_1169508-1191663-	14.3113	31.6764	2.2134
pik3ca	c.TXGP201107_X005029	JGIv7b.000058994_65704-97961-	6.9435	15.3542	2.2113
ppp1r3c.2	c.TXGP201107_X005057	JGIv7b.000059267_644643-648131+	10.4304	23.0472	2.2096
josd1	c.Taira201203brain_X017899	NIGv2.S00001315_1103506-1106655-	6.3171	13.9583	2.2096
klhl7	c.TXGP201107_X002842	JGIv7b.000029835_219726-235285-	10.0767	22.2656	2.2096
cbr4	c.Park201106_X026783	NIGv2.S00001598_930383-934155-	6.4533	14.2593	2.2096
c6orf162	c.Ueno201210brain_X002323	JGIv7b.000124774_913943-917261-	6.1422	13.5718	2.2096

parvg	c.UniGene_Xl_S36163405	JGIv7b.000128184_569383-583360+	5.1045	11.2789	2.2096
wdr20	c.Taira201203kidney_X004616	JGIv7b.000034509_912244-946133+	7.0357	15.5182	2.2056
nog	c.Taira201203brain_X011562	JGIv7b.000100342_354700-356309-	15.6412	34.4922	2.2052
Unnamed	c.UniGene_Xl_S16181855	JGIv7b.000019169_2231616-2244772-	31.4412	69.2925	2.2039
git2	c.JGIL6RMv1_XeXenL6RMv10027113m	JGIv7b.000044061_2390693-2443752-	5.9481	13.1075	2.2036
syap1	c.TXGP201107_X005354	JGIv7b.000067669_2508192-2516298+	9.7663	21.5106	2.2025
fopnl	c.Chang2013_X004220	JGIv7b.000009994_3745254-3755831-	22.0829	48.6356	2.2024
tmem111.2	c.Amin201106_X029979	NIGv2.S00004312_858139-867545+	174.8063	384.8567	2.2016
c4orf29	c.XenBase_34785882	JGIv7b.000088765_881939-902410-	7.0022	15.4074	2.2004
vldlr	c.Taira201203st10_X003481	JGIv7b.000126823_118223-160899-	16.0835	35.3642	2.1988
klhl13	c.Taira201203brain_X007899	JGIv7b.000050694_2072891-2126536-	15.5436	34.1500	2.1970
atat1	c.XenBase_58403331	JGIv7b.000134683_522316-556855-	22.4159	49.2071	2.1952
abhd15	c.Quigley201112_X015420	JGIv7b.000112554_2692160-2705561+	5.2839	11.5984	2.1951
atp8a1	c.Ismailoglu201203_X013659	NIGv2.S00002603_278477-449161-	6.3878	14.0213	2.1950

rabgef1	c.Taira201203brain_X017966	NIGv2.S00001590_782012-807739-	12.6183	27.6754	2.1933
fam98a	c.UniGene_Xl_S21504264	JGIv7b.000039723_8556792-8570174-	8.2251	18.0329	2.1924
c4orf32	c.Amin201106_X017427	JGIv7b.000088765_4251892-4271515-	5.8058	12.7198	2.1909
spryd3	c.Park201106_X026433	NIGv2.S00001034_771575-786995+	4.6947	10.2805	2.1898
lysmd4	c.Ismailoglu201203_X006583	JGIv7b.000058049_2589108-2602812-	5.9654	13.0583	2.1890
rcbtb1	c.Ueno201210egg_X001605	NIGv2.S00001429_441577-461842-	5.8661	12.8366	2.1883
ppp1cc	c.XGI_TC418335	JGIv7b.000025254_4420786-4434616+	97.5922	213.5226	2.1879
ing2	c.TXGP201107_X010339	NIGv2.S00001296_782206-785293-	7.5472	16.4901	2.1849
ccdc69	c.Taira201203st08_X006171	NIGv2.S00000921_350585-387130+	4.9998	10.9129	2.1827
pion	c.Chang2013_X005134	JGIv7b.000012518_16713864-16779281+	5.1292	11.1822	2.1801
cdc42se2	c.XGI_TC417024	JGIv7b.000009266_3529229-3550496+	17.2997	37.6794	2.1780
coq6	c.Audic201207_X037912	JGIv7b.000135961_226702-238566+	9.6426	20.9995	2.1778
nde1	c.Chang2013_X004144	JGIv7b.000009994_3653920-3668883+	51.6394	112.4332	2.1773
rnf4	c.Taira201203st12_X000133	JGIv7b.000003467_4873946-4889341+	29.5030	64.1786	2.1753

mthfr	c.Taira201203eye_X010382	JGIv7b.000108577_106317-135153-	16.1349	35.0782	2.1741
tmem167b	c.JGIL6RMv1_XeXenL6RMv10043587m	JGIv7b.000002841_247630-252861+	9.1961	19.9741	2.1720
otud4	c.Taira201203ovary_X005626	JGIv7b.000099286_4684974-4732208-	5.9953	13.0210	2.1719
slc9a1	c.Quigley201207_X014672	NIGv2.S00002590_558659-579409-	10.9632	23.8083	2.1716
stx5	c.Amin201106_X008522	JGIv7b.000031469_1757845-1766955-	17.2574	37.4757	2.1716
lpar1	c.Audic201207_X032683	JGIv7b.000090041_4995278-5031963-	6.0616	13.1596	2.1710
acot13	c.JGIL6RMv1_XeXenL6RMv10055209m	JGIv7b.000133814_5456-9847-	18.0748	39.1297	2.1649
sec24b	c.Ismailoglu201203_X008221	JGIv7b.000088765_4105168-4145880+	12.2623	26.5296	2.1635
tapt1	c.Taira201203eye_X011378	JGIv7b.000146311_74713-112330+	18.0414	39.0291	2.1633
cd59	c.mgEST_1013089689	JGIv7b.000074352_1676232-1690179-	10.8946	23.5674	2.1632
nanp	c.Amin201106_X022778	JGIv7b.000180104_1765067-1772212+	8.4213	18.2061	2.1619
atat1	c.TXGP201107_X010479	NIGv2.S00002210_245792-279950-	8.0439	17.3873	2.1616
lyrm4	c.XGI_TC429950	JGIv7b.000046891_32557-76294-	14.4108	31.1499	2.1616
grem1	c.Chang2013_X040832	NIGv2.S00002927_61165-66262-	13.2768	28.6585	2.1585

aldh18a1	c.Taira201203brain_X001612	JGIv7b.000007555_3533894-3560986+	9.9624	21.4995	2.1581
pdgfrl	c.Amin201106_X019707	JGIv7b.000121003_2031066-2049091+	10.1221	21.8437	2.1580
Unnamed	c.XGI_TC453389	JGIv7b.000035086_72578-76147-	84.4394	182.2193	2.1580
oat.2	c.Park201106_X025970	NIGv2.S00000422_397874-408662+	10.2869	22.1869	2.1568
rnf41	c.Chang2013_X040592	NIGv2.S00002595_1165013-1204511-	12.1689	26.2441	2.1567
papd5	c.Taira201203st35_X001255	JGIv7b.000032008_585419-611266-	34.7578	74.9262	2.1557
atg4c	c.XGI_TC462242	JGIv7b.000053042_1264305-1295314-	35.2986	76.0542	2.1546
pja2	c.XGI_TC416207	JGIv7b.000012879_6121281-6148332+	12.4885	26.8934	2.1535
tmem169	c.Chang2013_X009003	JGIv7b.000021603_174379-181180+	15.5551	33.4770	2.1522
c18orf8	c.Taira201203ovary_X005027	JGIv7b.000075833_573650-601518-	4.9922	10.7427	2.1519
ywhag	c.XGI_TC416784	JGIv7b.000267344_1661966-1682846+	8.1098	17.4478	2.1515
ccdc138	c.XGI_TC416432	JGIv7b.000017127_4762977-4782055+	9.5408	20.5197	2.1507
atp6v1d	c.Amin201106_X025965	JGIv7b.000280163_278392-291292+	11.3622	24.4336	2.1504
fcho1	c.Ueno201210brain_X002582	JGIv7b.000163107_1475994-1524127-	5.0195	10.7914	2.1499

hdac9	c.XenBase_3955062	JGIv7b.000057216_3239685-3352261+	5.5155	11.8556	2.1495
itpkc	c.XenBase_83405250	JGIv7b.000039723_10057060-10086843-	14.5593	31.2661	2.1475
h1foo	c.Chang2013_X034727	JGIv7b.000255257_262055-268442+	225.0476	483.1426	2.1468
ets1	c.Audic201207_X056147	NIGv2.S00005578_128968-152651-	4.7554	10.2063	2.1462
muc4	c.Taira201203ovary_X007260	JGIv7b.000203280_64403-100361-	13.1464	28.2153	2.1462
arl2bp	c.XGI_TC422181	JGIv7b.000033905_3874492-3885266+	98.2450	210.7614	2.1453
smad6	c.Taira201203kidney_X014578	NIGv2.S00001669_315430-347879+	7.0734	15.1677	2.1443
aldoc	c.Audic201207_X017272	JGIv7b.000035361_3467404-3489396+	21.2583	45.5667	2.1435
Unnamed	c.UniGene_Xl_S25791702	JGIv7b.000121300_9688-33844+	16.5059	35.3782	2.1434
snx10	c.Taira201203intestine_X008223	JGIv7b.000178713_2590081-2614536-	34.5734	74.0931	2.1431
sirt3.2	c.Audic201207_X038188	JGIv7b.000137507_1853230-1871470+	28.8758	61.8026	2.1403
atp8a1	c.Taira201203testis_X001411	JGIv7b.000035469_273668-445089-	4.7164	10.0942	2.1402
spry1	c.Taira201203st09_X003581	JGIv7b.000112610_1220629-1226046-	12.4685	26.6845	2.1401
neurl1b	c.Ueno201210testis_X000040	JGIv7b.000018892_3137544-3192500+	7.1735	15.3316	2.1372

znf3	c.Taira201203brain_X004212	JGIv7b.000021594_704284-724209-	29.7824	63.6426	2.1369
reep4	c.mgEST_1013112152	JGIv7b.000045741_469388-493422-	5.2115	11.1315	2.1360
ier5l	c.XGI_TC417711	JGIv7b.000091271_855209-857468+	9.3969	20.0670	2.1355
atad3a-a	c.Taira201203egg_X005883	JGIv7b.000122517_1514305-1552304-	9.0493	19.2958	2.1323
sec24b	c.Taira201203stomach_X001697	JGIv7b.000081573_685968-736769+	6.8090	14.5188	2.1323
Unnamed	c.Chang2013_X005252	JGIv7b.000012518_8294195-8344255-	15.5951	33.2402	2.1314
poc5	c.Chung201110_X008544	NIGv2.S00010585_13475-41861+	22.3809	47.7018	2.1314
uap1	c.Quigley201212_X052410	NIGv2.S00000616_398194-413500+	24.3531	51.8916	2.1308
arhgef12	c.Ueno201210st09_X001108	NIGv2.S00004901_4382-100152-	5.2349	11.1468	2.1293
atp8a1	c.Taira201203st08_X001924	JGIv7b.000031653_4584000-4734654+	10.4374	22.2228	2.1292
depdc7	c.Quigley201212_X054003	NIGv2.S00001820_537040-557127+	19.1827	40.8304	2.1285
slc25a25	c.Ueno201210eye_X002281	NIGv2.S00001196_512972-521988-	6.5232	13.8656	2.1256
ptpro	c.Taira201203intestine_X010036	JGIv7b.000402746_391037-463680-	4.8736	10.3521	2.1241
aco2	c.Ueno201210heart_X000191	JGIv7b.000012423_2228713-2250819+	22.3459	47.4193	2.1221

sept8	c.Chung201110_X003315	JGIv7b.000048253_6985095-7057418+	7.5505	16.0196	2.1217
aldh1a2	c.UniGene_Xl_S20119060	JGIv7a.000018788_619940-655306+	12.4009	26.2815	2.1193
dact1	c.Taira201203egg_X006008	JGIv7b.000133644_1074197-1080957-	10.3940	22.0278	2.1193
atg4c	c.Audic201207_X040002	JGIv7b.000155039_2303502-2327858-	36.6888	77.6357	2.1161
ncs1	c.UniGene_Xl_S20756166	JGIv7b.000091655_316353-350592-	4.8865	10.3332	2.1147
larp6	c.Taira201203egg_X002993	JGIv7b.000035716_1966319-1980564-	15.2597	32.2489	2.1133
phldb1	c.Taira201203egg_X008451	NIGv2.S00002083_27471-65129-	14.0281	29.6417	2.1130
stk24	c.Amin201106_X000079	JGIv7a.000013989_332526-339216+	6.1432	12.9786	2.1127
rps6ka6	c.Taira201203spleen_X005717	JGIv7b.000352511_742087-788456-	5.2455	11.0815	2.1126
pphln1	c.Quigley201212_X015301	JGIv7b.000030470_3514159-3571642+	14.3877	30.3873	2.1120
zar1l	c.Taira201203st09_X001588	JGIv7b.000031941_1695682-1702980-	11.3719	23.9999	2.1105
pabpn1l-b	c.XGI_TC426969	JGIv7b.000344679_36411-44509-	4.9470	10.4391	2.1102
rbm24	c.XGI_TC417312	JGIv7b.000011136_1872989-1883587-	18.3237	38.6656	2.1101
gmnn	c.Park201106_X027971	NIGv2.S00005321_186838-188634-	103.8635	219.1316	2.1098

liph	c.Taira201203st20_X005454	NIGv2.S00000238_363321-372926+	13.7423	28.9769	2.1086
pgk1	c.Amin201106_X029109	NIGv2.S00001898_865570-878802-	25.8577	54.5066	2.1079
h2afj	c.Ueno201210st09_X000955	JGIv7b.000277614_2400501-2402906+	10.8979	22.9664	2.1074
cars2	c.XenBase_147901607	JGIv7b.000338390_24380-53370-	9.6298	20.2910	2.1071
znf25	c.Taira201203egg_X001488	JGIv7b.000013941_170230-179785+	10.2449	21.5865	2.1070
gadd45g	c.XGI_TC421689	JGIv7b.000013576_4101295-4106965+	29.9185	63.0282	2.1067
slc2a10	c.Chang2013_X006558	JGIv7b.000014557_6190606-6204044-	14.0634	29.6160	2.1059
map2k4	c.Ueno201210st10_X001732	JGIv7b.000163806_646967-685392+	6.2424	13.1432	2.1055
ncln	c.Taira201203st30_X002671	JGIv7b.000070461_1067134-1080081+	4.8900	10.2939	2.1051
snx1	c.Taira201203brain_X001473	JGIv7b.000007197_307144-342328+	7.1853	15.1242	2.1049
aco2	c.Audic201207_X030539	JGIv7b.000078978_2882729-2904948-	19.1446	40.2894	2.1045
hn1	c.Chang2013_X038637	NIGv2.S00000387_384492-395632-	60.1629	126.6058	2.1044
socs1	c.Taira201203intestine_X010339	NIGv2.S00000957_1056225-1060063-	4.8702	10.2426	2.1031
rxrg	c.Ueno2012104cells_X000372	JGIv7b.000023165_355828-421311-	5.0743	10.6642	2.1016

thap2	c.Audic201207_X013786	JGIv7b.000025212_1046590-1050735-	8.0393	16.8865	2.1005
poc5	c.Taira201203egg_X007145	JGIv7b.000220499_2774498-2800584+	10.8965	22.8673	2.0986
pdf	c.Chung201110_X003775	JGIv7b.000057875_2793435-2803710-	6.6246	13.9019	2.0985
ets1	c.Park201106_X000205	JGIv7a.000048638_1677733-1712259+	7.9156	16.6053	2.0978
suv39h1	c.Ueno201210egg_X001496	JGIv7b.000356308_129773-135362+	4.7711	10.0061	2.0973
gng10	c.JGIL6RMv1_XeXenL6RMv10011906m	JGIv7b.000046215_225505-236096-	15.7679	33.0525	2.0962
gtf3c1	c.JGIL6RMv1_XeXenL6RMv10012044m	JGIv7b.000120240_1837163-1900138+	8.7028	18.2214	2.0937
josd1	c.Audic201207_X030440	JGIv7b.000078978_3013377-3026347+	6.9664	14.5811	2.0931
slc25a28	c.Taira201203ovary_X008095	JGIv7b.000299965_1102684-1117129+	5.0506	10.5692	2.0927
rfc3	c.XGI_TC419045	JGIv7b.000200825_1195181-1206223+	12.8614	26.9054	2.0919
kiaa0889	c.Taira201203ovary_X004788	JGIv7b.000071264_2754863-2817946+	25.9048	54.1560	2.0906
skap2	c.UniGene_XI_S22300597	JGIv7b.000178713_2221899-2406356+	5.9443	12.4174	2.0890
kctd14	c.TXGP201107_X009093	JGIv7b.000262000_1327879-1335067+	4.9209	10.2765	2.0883
hpca	c.JGIL6RMv1_XeXenL6RMv10008990m	JGIv7b.000047026_1078941-1092848-	5.2203	10.8976	2.0876

evi5	c.Taira201203egg_X004346	JGIv7b.000060618_2107362-2275616+	5.4222	11.3154	2.0868
ahsa1	c.Taira201203brain_X006253	JGIv7b.000039723_6073571-6082521+	11.6737	24.3612	2.0868
got2	c.Taira201203st09_X005237	NIGv2.S00003825_261920-289654-	13.2093	27.5421	2.0851
pcmtd1	c.Amin201106_X024486	JGIv7b.000230826_1659795-1728284-	10.8537	22.6285	2.0849
e2f1	c.Taira201203ovary_X004789	JGIv7b.000071264_2901669-2919971+	5.0189	10.4613	2.0844
Unnamed	c.Audic201207_X053813	NIGv2.S00001584_2883256-2889378+	7.8654	16.3895	2.0837
tigd2	c.TXGP201107_X009625	JGIv7b.000345631_204359-209297+	5.7280	11.9325	2.0832
ranbp3l	c.Ismailoglu201203_X006088	JGIv7b.000052441_5879813-5917236+	6.9364	14.4405	2.0818
ints6	c.XenBase_147901238	JGIv7b.000005732_10828517-10868145-	11.4824	23.9041	2.0818
ppfibp2	c.Taira201203intestine_X004510	JGIv7b.000051988_4579336-4662732+	9.1146	18.9733	2.0816
btg3	c.UniGene_Xl_S24639655	JGIv7b.000054256_9564-13300-	9.6749	20.1242	2.0800
arhgef12	c.Taira201203egg_X007634	JGIv7b.000287959_1337412-1449595-	5.1207	10.6504	2.0799
ndufs4	c.Quigley201112_X010234	JGIv7b.000052441_11766800-11835789+	9.8554	20.4888	2.0789
rph3al	c.Audic201207_X047343	JGIv7b.000267344_26023-59472+	6.6660	13.8455	2.0770

tmem161b	c.JGIL6RMv1_XeXenL6RMv10029794m	JGIv7b.000001187_7025372-7046971+	10.8079	22.4271	2.0751
tmem110	c.Quigley201212_X030450	JGIv7b.000078978_6650276-6661161-	11.8231	24.5307	2.0748
ttc5	c.Ueno201210st08_X001251	JGIv7b.000272406_1086985-1095652+	9.3026	19.2935	2.0740
nog	c.Taira201203st35_X003850	JGIv7b.000373158_1037035-1038876+	20.0139	41.4920	2.0732
tmem11	c.Chang2013_X010383	JGIv7b.000026364_4484340-4489823-	5.7144	11.8462	2.0731
josd1	c.Ismailoglu201203_X001689	JGIv7b.000012423_2117604-2134091-	11.2264	23.2700	2.0728
c2orf49	c.Taira201203egg_X004903	JGIv7b.000078302_524402-530333-	6.7637	14.0111	2.0715
rhof	c.Chang2013_X033336	JGIv7b.000219188_1730553-1755322-	5.0824	10.5283	2.0715
arhgap20	c.Chang2013_X033138	JGIv7b.000209344_193292-246591-	6.0986	12.6225	2.0697
def8	c.Taira201203lung_X008813	JGIv7b.000398601_355751-376252-	5.5790	11.5371	2.0680
sox13	c.XenBase_46250057	JGIv7b.000151578_693353-785783+	21.0077	43.4431	2.0680
trappc2	c.JGIL6RMv1_XeXenL6RMv10000559m	JGIv7b.000017127_8369496-8379447-	7.0637	14.6046	2.0676
pja2	c.Quigley201212_X056383	NIGv2.S00006534_71905-94180-	7.7202	15.9596	2.0673
pdcd10	c.Amin201106_X014159	JGIv7b.000058517_2924605-2943478-	56.0040	115.7207	2.0663

ralgapa1	c.Taira201203st09_X004570	JGIv7b.000265107_62959-171080-	9.7501	20.1304	2.0646
pmch	c.Taira201203brain_X003935	JGIv7b.000018184_5024474-5028781+	38.4666	79.4005	2.0641
hras	c.TeperekTkacz201205_X001797	JGIv7b.000109526_292263-327631-	40.6122	83.8268	2.0641
znf484	c.Taira201203egg_X006088	JGIv7b.000136952_451253-459505+	19.8250	40.8782	2.0619
dapk1	c.Taira201203ovary_X001492	JGIv7b.000013576_1230568-1320502+	15.7263	32.4199	2.0615
ccdc68	c.JGIL6RMv1_XeXenL6RMv10023723m	JGIv7b.000040738_1280634-1309939-	11.5645	23.8213	2.0599
rab3a	c.TXGP201107_X005582	JGIv7b.000072621_861115-895503-	5.3397	10.9824	2.0567
aktip	c.Audic201207_X054884	NIGv2.S00002857_695098-721423+	8.5016	17.4786	2.0559
lrmp	c.Taira201203stomach_X003178	NIGv2.S00004230_432-15644+	6.6658	13.7012	2.0554
stx5	c.Amin201106_X028372	NIGv2.S00000660_412735-420683-	13.5525	27.8466	2.0547
eif2c1	c.TXGP201107_X008351	JGIv7b.000196571_679606-710895-	9.3122	19.1329	2.0546
spire2	c.JGIL6RMv1_XeXenL6RMv10049005m	JGIv7b.000398601_90603-106780+	11.6349	23.8933	2.0536
gadd45g	c.Quigley201112_X023368	NIGv2.S00001773_2778754-2780393-	8.4748	17.3984	2.0530
oat.2	c.Taira201203st10_X000021	JGIv7a.000044240_1462478-1479658-	24.2999	49.8863	2.0529

qrsl1	c.XGI_TC419098	JGIv7b.000008630_4144489-4172675+	11.8128	24.2424	2.0522
kiaa0513	c.Taira201203brain_X001111	JGIv7b.000005765_400698-455251+	10.1593	20.8466	2.0520
sgk196	c.XenBase_148222815	JGIv7b.000005895_3133318-3137936-	10.8263	22.2131	2.0518
znf639	c.TXGP201107_X005028	JGIv7b.000058994_8462-20315-	19.6249	40.2352	2.0502
Unnamed	c.TXGP201107_X008557	JGIv7b.000215439_1104601-1114534+	15.1439	31.0168	2.0481
lpar5	c.Ueno201210st10_X000467	JGIv7b.000018192_747502-752096-	5.6154	11.4925	2.0466
zufsp	c.Ueno2012104cells_X000016	JGIv7b.000000873_2004322-2021941-	10.1317	20.7310	2.0462
rps6ka6	c.TXGP201107_X010785	NIGv2.S00005252_37839-78096+	6.4647	13.2234	2.0455
fer	c.Chang2013_X040801	NIGv2.S00002865_570343-636911-	8.7435	17.8721	2.0440
snap47	c.Taira201203st30_X003129	JGIv7b.000094859_885908-905122-	5.8531	11.9606	2.0435
hiatl2	c.Audic201207_X006545	JGIv7b.000012020_14962772-15010648+	14.2274	29.0723	2.0434
spry1	c.Taira201203brain_X010913	JGIv7b.000088765_2315207-2319681-	6.0727	12.4083	2.0433
adrbk2	c.TXGP201107_X007419	JGIv7b.000143664_174124-287160-	11.2778	23.0395	2.0429
optn	c.Taira201203lung_X001295	JGIv7b.000012518_13062053-13080221+	6.8137	13.9110	2.0416

fam13a	c.Taira201203intestine_X000118	JGIv7b.000000377_2456376-2508020+	7.9914	16.3143	2.0415
dusp6	c.Amin201106_X009592	JGIv7b.000037038_2504489-2510048+	9.5922	19.5735	2.0406
fam161a	c.Ismailoglu201203_X001643	JGIv7b.000012020_5635424-5652463-	12.7779	26.0539	2.0390
fbxo33	c.Park201106_X026736	NIGv2.S00001505_834374-839817+	16.5987	33.8407	2.0388
fam107b	c.Audic201207_X052978	NIGv2.S00000947_1134258-1163389+	12.8478	26.1825	2.0379
dus4l	c.Chang2013_X005142	JGIv7b.000012518_18164100-18178627+	25.9098	52.7815	2.0371
nuak2	c.Audic201207_X052750	NIGv2.S00000791_39311-41441+	11.9107	24.2630	2.0371
ccdc18	c.Taira201203ovary_X003734	JGIv7b.000047606_1004819-1089798-	10.6120	21.6168	2.0370
myo1e.2	c.Taira201203intestine_X005047	JGIv7b.000059883_2276149-2383102-	11.0566	22.5200	2.0368
bmp15	c.TXGP201107_X003421	JGIv7b.000036864_3037703-3040848-	6.5386	13.3138	2.0362
ubox5	c.Ueno201210st10_X000034	JGIv7b.000001168_4319627-4336645-	5.1053	10.3951	2.0362
iffo2	c.Ismailoglu201203_X010990	JGIv7b.000195950_1157943-1197156+	8.6191	17.5487	2.0360
alkbh2	c.Ismailoglu201203_X010299	JGIv7b.000162663_328259-335507-	7.8846	16.0379	2.0341
slc15a4	c.Ueno201210st08_X001441	NIGv2.S00003629_42891-57294+	6.1199	12.4446	2.0335

hiat1	c.Chang2013_X031594	JGIv7b.000181903_521726-557235-	5.3250	10.8180	2.0316
tubgcp3	c.XenBase_2981462	JGIv7b.000167628_4364816-4412367-	10.8527	22.0333	2.0302
tspan15	c.Taira201203st08_X006071	NIGv2.S00000284_1938609-2037700+	13.0009	26.3743	2.0286
stk35	c.Chang2013_X002898	JGIv7b.000007103_501795-506878+	17.3051	35.0866	2.0275
rxrg	c.TXGP201107_X010465	NIGv2.S00002099_708018-772891+	5.1200	10.3739	2.0262
ptpn21	c.Taira201203heart_X003048	JGIv7b.000039723_2974515-3011835+	6.6913	13.5559	2.0259
sipa1l3	c.Park201106_X000221	JGIv7a.000056352_2106672-2130406+	4.9675	10.0562	2.0244
ndnl2	c.UniGene_Xl_S18078526	JGIv7b.000043648_238817-252510-	63.6894	128.9307	2.0244
atp5d	c.mgEST_1013092630	JGIv7b.000054274_2468502-2472064-	17.6384	35.7066	2.0244
Unnamed	c.Taira201203brain_X002230	JGIv7b.000011418_476344-569037-	10.5413	21.3190	2.0224
kcnj5	c.Taira201203kidney_X011170	JGIv7b.000166674_4351090-4405391-	6.3902	12.9199	2.0218
vps37a	c.Amin201106_X019823	JGIv7b.000123719_1980868-1987315-	5.0914	10.2925	2.0216
pdcd10	c.Amin201106_X025510	JGIv7b.000267727_608606-626750-	92.3959	186.6274	2.0199
foxh1	c.XGI_TC420253	NIGv2.S00001203_640380-648646-	6.0558	12.2248	2.0187

clns1a	c.JGIL6RMv1_XeXenL6RMv10021444m	JGIv7b.000262000_1405538-1422069+	58.1629	117.4076	2.0186
nlk	c.Taira201203liver_X002808	JGIv7b.000112554_594124-701747-	8.8421	17.8465	2.0183
rbpms2	c.Audic201207_X054746	NIGv2.S00002724_560791-582133+	7.7068	15.5538	2.0182
depdc7	c.Taira201203intestine_X005584	JGIv7b.000074352_3780008-3800394-	15.2169	30.6865	2.0166
bzrap1	c.Ueno201210st08_X000730	JGIv7b.000066163_156916-227802-	12.2995	24.7928	2.0158
galnt4	c.XenBase_147907289	JGIv7b.000070754_794116-833753+	22.6529	45.6586	2.0156
lsm2	c.Amin201106_X029261	NIGv2.S00002210_37773-42176-	48.8713	98.4929	2.0154
c3orf58	c.Taira201203st08_X006600	NIGv2.S00006936_773897-802285+	8.7806	17.6940	2.0151
kifap3	c.Taira201203eye_X015524	NIGv2.S00002099_308773-384008+	5.2517	10.5826	2.0151
gtf3c2	c.Audic201207_X030866	JGIv7b.000080529_513434-545862-	5.0815	10.2383	2.0148
peak1	c.Taira201203ovary_X001264	JGIv7b.000012518_2374716-2459574+	5.2563	10.5874	2.0142
cep85	c.Quigley201207_X015122	NIGv2.S00007337_87917-102249+	22.3403	44.9922	2.0139
rasa2	c.Ismailoglu201203_X005205	JGIv7b.000044494_3684738-3751502-	9.9642	20.0610	2.0133
sertad2	c.Chang2013_X033798	JGIv7b.000230550_2789873-2797899+	17.9267	36.0860	2.0130

rnd3	c.JGIL6RMv1_XeXenL6RMv10031510m	JGIv7b.000021603_9128421-9149344-	16.1826	32.5727	2.0128
slc20a1	c.Ismailoglu201203_X013158	NIGv2.S00000368_64191-89886-	20.8008	41.8638	2.0126
entpd6	c.Ismailoglu201203_X001623	JGIv7b.000012020_741864-780405+	5.6888	11.4465	2.0121
prpsap2	c.Audic201207_X000988	JGIv7b.000000939_6274738-6322020-	5.2596	10.5823	2.0120
cbx2	c.Taira201203st40_X002816	JGIv7b.000277717_37187-63068-	19.4011	39.0170	2.0111
nuak2	c.Taira201203eye_X015865	NIGv2.S00003839_264501-280393-	23.5735	47.4064	2.0110
gcc1	c.Audic201207_X052812	NIGv2.S00000842_191609-200043+	14.7693	29.7000	2.0109
cyb5a	c.Quigley201212_X000290	JGIv7a.000037042_857204-878361+	10.0541	20.1961	2.0087
sod1	c.Taira201203st08_X000445	JGIv7b.000006590_6414248-6420299-	95.7315	192.2510	2.0082
rabgef1	c.Ismailoglu201203_X000642	JGIv7b.000005269_3931574-3957291+	8.4090	16.8736	2.0066
brf1	c.Ismailoglu201203_X011522	JGIv7b.000230550_1877377-2079767+	18.6481	37.4189	2.0066
b3galt1	c.JGIL6RMv1_XeXenL6RMv10022863m	JGIv7b.000082179_569398-575677+	12.8909	25.8632	2.0063
depdc7	c.Quigley201212_X051448	NIGv2.S00000039_416616-434040+	16.9316	33.9696	2.0063
zdhhc24	c.Taira201203intestine_X006163	JGIv7b.000086070_1761994-1768377-	6.0218	12.0720	2.0047

inf2	c.Taira201203ovary_X007473	JGIv7b.000230550_3170679-3223618-	5.2547	10.5303	2.0040
znf85	c.Chang2013_X037943	JGIv7b.000396475_443971-454615-	10.3062	20.6533	2.0040
snx1	c.Ueno201210ovary_X000926	NIGv2.S00000663_2279049-2310806-	8.2375	16.5024	2.0033
gpr19	c.Ueno201210st40_X000147	JGIv7b.000302407_632535-643044+	6.9229	13.8681	2.0032
rnf41	c.Chang2013_X007034	JGIv7b.000014978_2055622-2101273-	12.1319	24.2960	2.0027
hist1h2aa	c.Taira201203egg_X001018	JGIv7b.000011316_6703374-6705050+	52.4034	104.8849	2.0015

Table S42: Gene transcripts down regulated in neuralised *X. laevis* animal caps due to increased FGF signalling through iFGFR4, when filtered using low stringency criteria. Embryos were co-injected with *ifgfr4* and *noggin* mRNA and cultured to mid-blastula stage 8 at which point animal caps were explanted. These caps were cultured until stage-matched control embryos reached early gastrula stage 10.5, when iFGFR4 signalling was induced for 3 hours. Caps were collected for RNA-Seq analysis. Fragments with FPKM ≥ 10 and fold change ≤ 0.5 are classed as down regulated for data set comparison analysis. Fold change in expression is calculated by induced/uninduced.

Gene	Aligns to source	Genome region	iFGFR4 uninduced (FPKM)	iFGFR4 induced (FPKM)	Fold change
zeb2	c.XenBase_8925961	JGIv7b.000004321_15892491-15987808+	94.1003	5.2096	0.0554
lrat	c.Taira201203eye_X009949	JGIv7b.000099286_446614-459327+	26.3857	1.9940	0.0756
ag1-a	c.Amin201106_X000006	JGIv7a.000000472_483137-490848+	15.3098	1.1956	0.0781
zeb2	c.Taira201203st20_X001347	JGIv7b.000021603_7456409-7551033-	58.6429	4.7717	0.0814
lrat	c.Audic201207_X055311	NIGv2.S00003495_975186-978844+	77.6736	6.3728	0.0820
zeb2	c.Taira201203kidney_X015323	NIGv2.S00007837_359787-458457+	96.5036	8.1566	0.0845
crabp2	c.Taira201203egg_X003235	JGIv7b.000041091_3369386-3397974-	23.2568	1.9737	0.0849
lrat	c.Taira201203liver_X002121	JGIv7b.000061741_1073687-1083097+	12.1837	1.0841	0.0890
zeb2	c.Taira201203kidney_X000017	JGIv7a.000002575_192291-280172-	30.9678	3.0202	0.0975
crabp2	c.Audic201207_X014291	JGIv7b.000026819_2001871-2017104+	166.7769	17.4023	0.1043
krt12	c.Ueno201210st35_X000016	NIGv2.S00002938_233278-248330+	23.6907	2.6964	0.1138
ag1-a	c.JGIL6RMv1_XeXenL6RMv10037629m	JGIv7b.000013787_5208193-5215643+	57.2793	6.5572	0.1145
six3	c.JGIL6RMv1_XeXenL6RMv10027859m	JGIv7b.000102974_15477577-15483295+	11.0346	1.2718	0.1153
hesx1	c.UniGene_Xl_S13589749	JGIv7b.000177844_181426-184575+	91.5629	11.7122	0.1279
krt12	c.XenBase_27696404	JGIv7b.000013265_3627584-3644405-	24.0491	3.2163	0.1337
krt12	c.Quigley201207_X000125	JGIv7a.000149142_1087360-1090663+	10.4746	1.4202	0.1356
pax3	c.Chang2013_X007785	JGIv7b.000016807_11334833-11386389+	10.5358	1.4550	0.1381
pnlip	c.Quigley201212_X012078	JGIv7b.000020641_1432759-1504466-	15.8429	2.2731	0.1435
fezf2	c.Audic201207_X017195	JGIv7b.000034527_6426507-6431312+	19.7799	2.9315	0.1482
hes3	c.XGI_TC425142	JGIv7b.000087017_2843969-2846120-	11.8948	1.7819	0.1498
btc	c.Audic201207_X000606	JGIv7b.000000377_3260551-3285145+	27.3675	4.2132	0.1539
nr6a1	c.Park201106_X000106	JGIv7a.000015595_661440-792833+	25.2825	4.1077	0.1625
nlrc4	c.Quigley201212_X020392	JGIv7b.000045784_5062324-5078526+	18.0865	2.9559	0.1634
c3	c.Quigley201207_X011184	JGIv7b.000175714_441266-583699+	13.7599	2.2877	0.1663
cfb	c.XGI_TC416908	JGIv7b.000012933_5374460-5413615+	26.7603	4.5990	0.1719
pax3	c.Audic201207_X048728	JGIv7b.000294828_219114-277529+	16.6463	2.8887	0.1735
comt.2	c.Audic201207_X033519	JGIv7b.000097703_1823710-1834239+	10.8067	1.9126	0.1770
dynll1-a	c.Audic201207_X053894	NIGv2.S00001717_2085-4762-	43.8052	8.2273	0.1878
mdk	c.Chung201110_X002883	JGIv7b.000043483_642289-654640+	146.5574	27.7410	0.1893

nr6a1	c.JGIL6RMv1_XeXenL6RMv10006158m	JGIv7b.000003586_1855502-1896201+	22.4382	4.2526	0.1895
cyp26c1	c.Taira201203st12_X000958	JGIv7b.000016863_3757640-3771217+	11.1782	2.1293	0.1905
dapk2	c.Taira201203st30_X001331	JGIv7b.000026819_957544-1036396+	11.6098	2.2616	0.1948
gsc	c.Chang2013_X039688	NIGv2.S00001291_37783-42117-	10.4383	2.0489	0.1963
arhgef3.2	c.Taira201203spleen_X004830	JGIv7b.000177844_363354-468790+	10.3316	2.0470	0.1981
cyp26a1	c.Chang2013_X000110	JGIv7a.000014833_4137270-4142183-	52.3067	10.4617	0.2000
fezf2	c.XenBase_83405112	JGIv7b.000035184_2148894-2154894+	13.5839	2.7437	0.2020
lamb1	c.Taira201203brain_X002628	JGIv7b.000012518_18536798-18570913-	27.3582	5.6384	0.2061
hesx1	c.JGIL6RMv1_XeXenL6RMv10033507m	JGIv7b.000033876_482101-485204-	273.3987	56.9640	0.2084
pkdcc.2	c.Ueno201210brain_X000869	JGIv7b.000027036_317796-362184+	42.1040	8.8023	0.2091
pkdcc.2	c.Taira201203heart_X005631	JGIv7b.000102974_12998538-13043290+	41.8261	8.7807	0.2099
nr6a1	c.Quigley201112_X000037	JGIv7a.000006263_166884-203776+	34.9967	7.3917	0.2112
arhgap6	c.JGIL6RMv1_XeXenL6RMv10050447m	JGIv7b.000036864_1304440-1351524+	12.7647	2.7206	0.2131
fzd2	c.JGIL6RMv1_XeXenL6RMv10049483m	JGIv7b.000075417_2947432-2950426+	24.2353	5.4953	0.2267
rfx4	c.Taira201203brain_X012846	JGIv7b.000137507_1908721-1951838-	14.5743	3.3228	0.2280
cyp26a1	c.Chang2013_X039292	NIGv2.S00000972_68480-73355+	46.4090	10.6364	0.2292
arg1	c.Audic201207_X034514	JGIv7b.000102277_1378103-1389903+	185.2072	42.5628	0.2298
fcgbp	c.JGIL6RMv1_XeXenL6RMv10026131m	JGIv7b.000085128_1034845-1064342+	17.7293	4.1093	0.2318
bmpr1b	c.Taira201203st20_X000011	JGIv7a.000013537_241970-333145-	11.1435	2.6243	0.2355
Unnamed	c.Quigley201212_X055429	NIGv2.S00003574_520508-521701+	10.0601	2.4195	0.2405
vwc2l.2	c.JGIL6RMv1_XeXenL6RMv10004091m	JGIv7b.000325141_2443422-2462754+	26.8203	6.5720	0.2450
ptgds	c.Quigley201112_X007340	JGIv7b.000037448_13254-27198+	14.8712	3.7340	0.2511
syt1	c.Taira201203pancreas_X003217	NIGv2.S00001424_59409-65865+	11.1341	2.8195	0.2532
ror2	c.Taira201203spleen_X006357	NIGv2.S00005819_173677-176471+	19.1690	4.8674	0.2539
cfh	c.Taira201203kidney_X012568	JGIv7b.000245044_3631680-3797857-	64.2970	16.4475	0.2558
adap1	c.Audic201207_X030499	JGIv7b.000078978_5596836-5611399+	57.0181	14.6145	0.2563
cyp26a1	c.Ueno201210st10_X000202	JGIv7b.000007555_3441089-3446814+	32.0437	8.2368	0.2570
gnb3	c.Taira201203st35_X000890	JGIv7b.000018192_296592-319908-	18.0585	4.6537	0.2577
nr6a1	c.Quigley201112_X023210	NIGv2.S00001385_714320-753033+	37.4735	9.6723	0.2581
gsc	c.TeperekTkacz201205_X002631	NIGv2.S00000561_665879-668561+	10.4377	2.7245	0.2610
frrs1	c.TXGP201107_X004211	JGIv7b.000047606_711043-759973+	22.4601	5.8662	0.2612
kiaa1324	c.Audic201207_X035319	JGIv7b.000107111_43435-95489-	28.2585	7.5728	0.2680
elavl3	c.Taira201203brain_X007740	JGIv7b.000049557_1268067-1306210+	10.5248	2.8209	0.2680
gli3	c.XenBase_148232378	JGIv7b.000005228_2713353-2860904-	19.5179	5.2497	0.2690
frrs1	c.Chang2013_X038371	NIGv2.S00000149_784393-795225-	12.1828	3.2927	0.2703
fam55b	c.Quigley201212_X031321	JGIv7b.000083106_58845-77000+	15.2861	4.1381	0.2707
trim29	c.Park201106_X024075	JGIv7b.000287959_1656133-1688834+	51.9061	14.1069	0.2718

slc27a3	c.JGIL6RMv1_XeXenL6RMv10013872m	JGIv7b.000012462_395592-403463-	35.2392	9.6578	0.2741
mmp14	c.Audic201207_X008730	JGIv7b.000013576_6205376-6229852+	15.5624	4.3289	0.2782
ror2	c.Audic201207_X053931	NIGv2.S00001773_1840231-1931000+	12.5037	3.4830	0.2786
ror2	c.Ismailoglu201203_X002182	JGIv7b.000013576_4963312-5056011-	42.9139	12.0973	0.2819
polr2h	c.Amin201106_X029351	NIGv2.S00002427_1377983-1382873-	20.5228	5.8002	0.2826
gnb3	c.Taira201203eye_X015629	NIGv2.S00002660_123390-154697+	17.8169	5.0950	0.2860
sult6b1	c.Chung201110_X008525	NIGv2.S00007427_44525-48175-	15.0450	4.3443	0.2888
Unnamed	c.Taira201203heart_X002373	JGIv7b.000026819_2062720-2085558+	23.0209	6.7177	0.2918
stk40	c.JGIL6RMv1_XeXenL6RMv10015764m	JGIv7b.000298574_255290-267525+	37.8185	11.0666	0.2926
nova2	c.Audic201207_X023246	JGIv7b.000050694_5990237-6007205+	17.6403	5.1666	0.2929
sp7	c.Quigley201112_X009468	JGIv7b.000049342_824403-846207+	12.8663	3.7717	0.2931
manea	c.Audic201207_X007980	JGIv7b.000013204_1158345-1179112+	13.9940	4.1540	0.2968
krt5.7	c.Taira201203brain_X001103	JGIv7b.000005732_8831252-8837956-	171.7542	51.0769	0.2974
arhgef3.2	c.Taira201203lung_X009181	NIGv2.S00001164_37502-68182+	12.5539	3.7364	0.2976
tuba1a-b	c.Taira201203st20_X001340	JGIv7b.000021603_3119096-3123430-	10.1881	3.0440	0.2988
eppk1	c.Quigley201212_X055874	NIGv2.S00004660_124529-182304-	47.6644	14.3857	0.3018
syt1	c.Chung201110_X004224	JGIv7b.000074352_7244479-7261361-	11.8807	3.5891	0.3021
arhgap39	c.Taira201203spleen_X006329	NIGv2.S00004598_387622-458659+	10.9384	3.3202	0.3035
cnn2	c.XGI_TC417055	JGIv7b.000054274_2567215-2577179-	204.1501	62.3899	0.3056
trim29	c.Quigley201212_X054528	NIGv2.S00002350_692632-725034+	42.4715	12.9993	0.3061
robo2	c.Taira201203st20_X004783	JGIv7b.000231676_342102-450304-	15.5169	4.7497	0.3061
tmem221	c.Audic201207_X028265	JGIv7b.000070461_1443223-1466440+	20.0520	6.1664	0.3075
mcm6.2-b	c.Quigley201112_X022898	NIGv2.S00000899_369559-379439-	13.6746	4.2063	0.3076
sh3kbp1	c.UniGene_Xl_S42538596	NIGv2.S00000023_323882-367606-	15.6992	4.8293	0.3076
cnn1	c.XenBase_3746796	JGIv7b.000039437_1774002-1782237+	45.0699	13.9411	0.3093
fut3	c.Audic201207_X035568	JGIv7b.000109526_188566-204482+	15.9015	4.9208	0.3095
fam55d	c.Ismailoglu201203_X007979	JGIv7b.000083106_152889-161353+	90.6999	28.2723	0.3117
lrp2	c.Taira201203testis_X001603	JGIv7b.000043242_7285838-7393816+	35.2434	11.0293	0.3129
slc30a8	c.Quigley201112_X017380	JGIv7b.000160942_6433391-6462650+	97.8857	30.6590	0.3132
Unnamed	c.Chang2013_X041601	NIGv2.S00004944_40501-42272+	44.6055	14.0345	0.3146
hmgcl	c.Taira201203kidney_X012713	JGIv7b.000253809_1911392-1921673-	12.0589	3.8130	0.3162
gnb3	c.Quigley201112_X013169	JGIv7b.000079772_5446576-5470832+	101.4553	32.3057	0.3184
elovl3	c.Quigley201112_X004357	JGIv7b.000016807_2741322-2756340+	14.7672	4.8123	0.3259
fn3krp	c.Taira201203st20_X003280	JGIv7b.000081941_2266557-2272753-	21.4732	7.0107	0.3265
itga6	c.Taira201203brain_X006685	JGIv7b.000043242_5830504-5975874-	28.6720	9.3929	0.3276
kiaa1324l	c.Quigley201212_X006996	JGIv7b.000012518_13813324-13861697+	162.4355	53.3213	0.3283
lin28a	c.Taira201203st25_X000544	JGIv7b.000008834_1121721-1140275-	54.0274	17.8060	0.3296

c9	c.Ismailoglu201203_X006109	JGIv7b.000052441_7261050-7287758-	63.3263	20.9289	0.3305
stard13	c.Quigley201212_X015911	JGIv7b.000031941_1881436-1986425-	48.6970	16.3302	0.3353
plcb4	c.Taira201203skin_X001326	JGIv7b.000027036_8504808-8667091+	18.1082	6.0908	0.3364
impa1	c.Audic201207_X056130	NIGv2.S00005503_76683-96796+	22.0350	7.4334	0.3373
vim	c.Quigley201212_X026614	JGIv7b.000061124_70427-86528-	48.7911	16.4621	0.3374
parp3	c.Amin201106_X028646	NIGv2.S00001110_911796-920888+	11.9911	4.0822	0.3404
otx1	c.Audic201207_X035703	JGIv7b.000111824_1401179-1416973+	16.8394	5.7520	0.3416
caps	c.UniGene_Xl_S20966455	JGIv7b.000035716_1712265-1735243-	10.1277	3.4821	0.3438
arhgap39	c.TeperekTkacz201206_X005476	JGIv7b.000345631_1114203-1185886-	19.7341	6.7866	0.3439
cyp26a1	c.TeperekTkacz201205_X002611	NIGv2.S00000318_464174-468759+	76.2951	26.3139	0.3449
vim	c.Ismailoglu201203_X013259	NIGv2.S00000766_2696693-2712306+	39.0332	13.4640	0.3449
kit	c.Taira201203lung_X002929	JGIv7b.000032657_1734171-1767962-	30.2008	10.4657	0.3465
cyp26a1	c.TeperekTkacz201205_X000583	JGIv7b.000016863_3785916-3790655+	51.1476	17.7303	0.3466
otx2	c.TeperekTkacz201205_X001673	JGIv7b.000091950_411122-418355+	159.5637	55.4957	0.3478
upk3b	c.Audic201207_X047411	JGIv7b.000267344_1483270-1496800-	86.2339	30.1325	0.3494
mcm6.2-a	c.Quigley201207_X003184	JGIv7b.000021603_4577179-4587521-	19.8327	6.9451	0.3502
Unnamed	c.Ismailoglu201203_X003280	JGIv7b.000024242_674171-676991+	58.1654	20.3791	0.3504
sema6a	c.Audic201207_X055183	NIGv2.S00003352_546877-662128-	10.9791	3.8636	0.3519
mcm6.2-b	c.Quigley201212_X053148	NIGv2.S00001089_377446-396188-	15.6390	5.5113	0.3524
Unnamed	c.JGIL6RMv1_XeXenL6RMv10047570m	JGIv7b.000115894_29458-47687+	19.2523	6.7978	0.3531
shroom3	c.Taira201203heart_X004291	JGIv7b.000058878_5502767-5562019-	32.3184	11.4687	0.3549
slfn13	c.Quigley201112_X020547	JGIv7b.000267344_2492022-2539852-	12.3394	4.4014	0.3567
cnn1	c.Quigley201207_X013837	NIGv2.S00000082_492864-496632-	33.4850	11.9571	0.3571
nr6a1	c.Ueno201210st20_X000895	NIGv2.S00000673_537275-562026+	59.6524	21.3021	0.3571
angptl3	c.Quigley201212_X052087	NIGv2.S00000405_1066114-1069514-	74.7769	26.7869	0.3582
ckap4	c.Quigley201112_X023483	NIGv2.S00002102_42661-49168+	60.3555	21.7153	0.3598
polr3gl	c.Amin201106_X019417	JGIv7b.000115163_409601-436751+	28.5801	10.2935	0.3602
polr2h	c.Quigley201212_X029944	JGIv7b.000076530_388767-394002+	13.8072	4.9730	0.3602
trim29	c.Quigley201212_X030178	JGIv7b.000078649_1417247-1449329+	16.9818	6.1293	0.3609
rpl37	c.Park201106_X026747	NIGv2.S00001535_487249-489128-	11.2043	4.0602	0.3624
birc3	c.Quigley201112_X021610	JGIv7b.000334424_1379524-1393051+	22.2808	8.0877	0.3630
ror2	c.Audic201207_X041233	JGIv7b.000166990_11678-114532-	11.4254	4.1565	0.3638
Unnamed	c.Taira201203heart_X003470	JGIv7b.000045784_2039071-2113089-	82.3925	30.0436	0.3646
kctd15	c.Audic201207_X046701	JGIv7b.000249035_930751-969669-	17.5403	6.4074	0.3653
Unnamed	c.Quigley201212_X038159	JGIv7b.000135348_2833347-2910067-	90.9460	33.4194	0.3675
nupr1	c.Amin201106_X017107	JGIv7b.000084303_73973-75517+	15.5757	5.7360	0.3683
mcm6.2-b	c.UniGene_Xl_S13831231	JGIv7b.000060608_495830-515096-	37.3155	13.7898	0.3695

wfdc2	c.Quigley201112_X018501	JGIv7b.000187321_2337925-2345788-	136.0194	50.2713	0.3696
kctd15	c.Audic201207_X033940	JGIv7b.000098999_1919132-1949530-	18.3336	6.7992	0.3709
ptrh2	c.Park201106_X026899	NIGv2.S00001847_938980-949416-	10.3641	3.8459	0.3711
ckap4	c.Quigley201112_X016484	JGIv7b.000137507_2068193-2074541-	82.5186	30.6260	0.3711
impa1	c.Taira201203st12_X003928	JGIv7b.000234771_2659391-2668219+	10.5970	3.9490	0.3727
rbp1	c.Amin201106_X005603	JGIv7b.000016807_8038669-8053608+	12.7566	4.7736	0.3742
mdk	c.Quigley201112_X012346	JGIv7b.000074352_63252-76586-	226.6619	85.0974	0.3754
c2orf89	c.Audic201207_X028347	JGIv7b.000070461_2215401-2292918-	23.5862	8.9222	0.3783
cygb	c.Quigley201212_X036348	JGIv7b.000120240_2355646-2375117-	42.2159	16.0030	0.3791
ggt1	c.Taira201203st25_X004154	JGIv7b.000162663_762576-815577-	19.7677	7.5004	0.3794
rax	c.Audic201207_X024176	JGIv7b.000052441_2501506-2508259-	44.0133	16.7139	0.3797
parp3	c.Audic201207_X043154	JGIv7b.000187321_2587167-2606620-	32.0356	12.2596	0.3827
aen	c.Quigley201112_X023436	NIGv2.S00001986_526223-534959+	23.9305	9.2045	0.3846
tlr2	c.TXGP201107_X004056	JGIv7b.000046492_267161-275119-	27.9620	10.7630	0.3849
mcm6.2-b	c.Quigley201112_X000003	JGIv7a.000000530_943279-952874+	13.2495	5.1057	0.3853
pkdcc.1	c.JGIL6RMv1_XeXenL6RMv10013085m	JGIv7b.000236382_1908213-1923883+	35.6824	13.7587	0.3856
ccnd1	c.XGI_TC422275	JGIv7b.000074352_1060302-1076913+	187.9868	72.7726	0.3871
znf608	c.Taira201203brain_X002631	JGIv7b.000012879_1052370-1165078+	31.8060	12.3328	0.3878
gli3	c.Taira201203brain_X000426	JGIv7b.000001301_252235-255619-	10.6582	4.1584	0.3902
kiaa1324l	c.JGIL6RMv1_XeXenL6RMv10009242m	JGIv7b.000033104_5396372-5433588-	180.3825	70.6468	0.3916
znf644	c.Taira201203lung_X004041	JGIv7b.000047606_1897723-1930533+	10.9356	4.2833	0.3917
Unnamed	c.Quigley201212_X019558	JGIv7b.000043791_6236867-6244908+	13.7312	5.3838	0.3921
znf740	c.XenBase_147898513	JGIv7b.000005732_8194028-8209521-	39.4586	15.5641	0.3944
kiaa1161	c.Taira201203lung_X009403	NIGv2.S00002875_174012-229951-	20.3156	8.0367	0.3956
aen	c.Amin201106_X010297	JGIv7b.000041091_3468250-3477129-	49.1287	19.4702	0.3963
ptrh2	c.JGIL6RMv1_XeXenL6RMv10007645m	JGIv7b.000137317_1733222-1736542+	19.0062	7.5453	0.3970
Unnamed	c.Taira201203st40_X003121	NIGv2.S00001319_1814861-1822370+	31.2310	12.4134	0.3975
lrat	c.Taira201203eye_X007824	JGIv7b.000061741_1096071-1112641-	41.7772	16.6239	0.3979
dynll1	c.JGIL6RMv1_XeXenL6RMv10042969m	JGIv7b.000113816_508606-510472-	595.1225	237.1721	0.3985
cbx1	c.Amin201106_X028259	NIGv2.S00000489_1334009-1338061-	12.2417	4.8811	0.3987
dynll1	c.Quigley201212_X055124	NIGv2.S00003088_565653-567846-	317.9873	126.8746	0.3990
psmd14	c.Audic201207_X019950	JGIv7b.000043242_10301876-10355608-	15.4043	6.1639	0.4001
pars2	c.Amin201106_X013275	JGIv7b.000053263_3554939-3557948+	18.0427	7.2243	0.4004
gss	c.Audic201207_X015588	JGIv7b.000030581_735184-751056+	19.1746	7.6806	0.4006
psmg3	c.Amin201106_X002818	JGIv7b.000009994_7966805-7970229+	25.1815	10.1525	0.4032
kiaa1161	c.Taira201203eye_X009524	JGIv7b.000091797_263259-321773-	26.8317	10.8356	0.4038
nr2f1	c.Quigley201212_X026350	JGIv7b.000060118_848906-862330-	23.4162	9.4972	0.4056

kalrn	c.Audic201207_X055345	NIGv2.S00003551_692813-744033+	16.4481	6.6739	0.4058
arpc3	c.Quigley201112_X005662	JGIv7b.000025254_4581008-4592724+	20.7516	8.4303	0.4062
otx2	c.Quigley201212_X051915	NIGv2.S00000300_108072-110208-	42.3945	17.2751	0.4075
metrnl	c.Chang2013_X000457	JGIv7b.000000748_926-6384+	12.2210	4.9825	0.4077
elovl3	c.Quigley201112_X023645	NIGv2.S00002453_1753774-1768224+	22.0235	9.0051	0.4089
cyp2j2	c.Chang2013_X033182	JGIv7b.000214452_9948-52224+	53.8149	22.0902	0.4105
Unnamed	c.Amin201106_X025116	JGIv7b.000248633_526499-535913+	81.2885	33.3890	0.4107
angptl3	c.mgEST_1013086036	JGIv7b.000005925_1870076-1909413+	494.3213	203.4032	0.4115
acsf2	c.Quigley201212_X028388	JGIv7b.000071264_2023450-2054011+	13.0565	5.3829	0.4123
krt8.2	c.Chung201110_X000014	JGIv7a.000007633_445718-449352-	18.3600	7.5715	0.4124
thbs1	c.Taira201203brain_X003140	JGIv7b.000013941_1897992-1911288-	10.9542	4.5266	0.4132
lin28a	c.Park201106_X028195	NIGv2.S00007337_220421-239976+	85.9641	35.6279	0.4145
oraov1	c.Taira201203st12_X001800	JGIv7b.000043483_1012989-1020298-	37.3270	15.4937	0.4151
leprotl1	c.XenBase_148224320	JGIv7b.000058878_3855693-3866623-	12.5619	5.2189	0.4155
dennd2c	c.Ismailoglu201203_X005608	JGIv7b.000047533_6193651-6235093+	18.3228	7.6343	0.4167
pdlim4	c.Taira201203eye_X000067	JGIv7a.000038521_1011670-1106241-	11.0675	4.6192	0.4174
xepsin	c.Taira201203skin_X003526	JGIv7b.000132609_46128-75477+	49.9776	20.8714	0.4176
cbx1	c.Audic201207_X008044	JGIv7b.000013265_1829145-1835666+	15.6811	6.5598	0.4183
snx22	c.Amin201106_X003429	JGIv7b.000012518_785244-809770+	13.1736	5.5165	0.4188
thbs1	c.Taira201203heart_X009054	NIGv2.S00006464_427971-439030+	11.4635	4.8430	0.4225
sdc2	c.Taira201203liver_X004055	NIGv2.S00000215_178493-255217-	24.4900	10.3483	0.4226
lig3	c.JGIL6RMv1_XeXenL6RMv10001947m	JGIv7b.000150750_933402-974025-	42.1474	17.8123	0.4226
tpsg1	c.Audic201207_X037375	JGIv7b.000132609_88539-98813+	37.4309	15.8241	0.4228
tfec	c.Taira201203st30_X005009	NIGv2.S00001115_191256-195490+	10.7943	4.5648	0.4229
ptrh2	c.Chung201110_X001263	JGIv7b.000013523_3440014-3450087-	30.5861	12.9403	0.4231
abcg2	c.Taira201203lung_X000089	JGIv7b.000000377_2763707-2837354+	20.3603	8.6334	0.4240
cnn2	c.Quigley201212_X052425	NIGv2.S00000641_860802-870505-	35.8140	15.2228	0.4251
agr2	c.Chung201110_X003762	JGIv7b.000057216_2613250-2620205-	51.2204	21.8150	0.4259
fxyd3	c.mgEST_1013251433	JGIv7b.000019916_18854-33417+	186.4303	79.6466	0.4272
id3	c.Audic201207_X054642	NIGv2.S00002590_1022943-1025176-	29.9835	12.8229	0.4277
ckap4	c.JGIL6RMv1_XeXenL6RMv10016662m	JGIv7b.000054336_24051-31518-	82.1496	35.1412	0.4278
parp1	c.Ismailoglu201203_X008816	JGIv7b.000102974_4858525-4894562+	61.6906	26.4567	0.4289
lrp10	c.Quigley201112_X021509	JGIv7b.000326511_1030774-1042750+	13.7853	5.9121	0.4289
fam55b	c.Park201106_X027114	NIGv2.S00002314_904499-956201-	48.4708	20.8181	0.4295
tmem72	c.Audic201207_X014531	JGIv7b.000027067_1346099-1371480-	18.3508	7.8843	0.4296
prpf39.2	c.Taira201203st12_X001103	JGIv7b.000021980_1925557-1957291-	45.1043	19.3844	0.4298
tcf12	c.JGIL6RMv1_XeXenL6RMv10046048m	JGIv7b.000059883_1392797-1446315+	10.9807	4.7194	0.4298

plcd3	c.Quigley201212_X029559	JGIv7b.000075417_1774096-1817270-	13.4429	5.7817	0.4301
rbm34	c.Taira201203lung_X005379	JGIv7b.000075417_5233396-5251942-	85.9012	36.9888	0.4306
Unnamed	c.Audic201207_X039022	JGIv7b.000143831_2149138-2153172-	19.8066	8.6455	0.4365
cxxc1	c.TXGP201107_X007256	JGIv7b.000135961_362120-369056+	19.1663	8.3767	0.4371
itga6	c.Audic201207_X053748	NIGv2.S00001485_55342-198963-	26.2067	11.4609	0.4373
cinp	c.Audic201207_X046200	JGIv7b.000236382_2970847-2980970-	39.2263	17.1795	0.4380
rbms2	c.Quigley201212_X004803	JGIv7b.000008129_8802957-8876465+	14.5650	6.3824	0.4382
Unnamed	c.Quigley201212_X006696	JGIv7b.000012518_76668-87512+	40.2436	17.6487	0.4385
cmklr1	c.Ismailoglu201203_X009493	JGIv7b.000131666_444385-448078+	24.5745	10.7921	0.4392
cyp27a1	c.Quigley201212_X052823	NIGv2.S00000899_17349-37016+	19.6740	8.6500	0.4397
hnrnpr	c.Quigley201207_X004040	JGIv7b.000030711_1549550-1574750+	116.3405	51.1892	0.4400
ift20	c.XGI_TC423903	JGIv7b.000112554_580542-588407+	16.6220	7.3280	0.4409
dynll1	c.Quigley201207_X004595	JGIv7b.000036586_112311-114604-	64.2019	28.3281	0.4412
foxi1	c.Quigley201112_X023503	NIGv2.S00002142_252565-254179+	24.4281	10.7841	0.4415
gmeb1	c.Quigley201212_X005204	JGIv7b.000008834_142800-161843-	15.8276	6.9878	0.4415
cxxc1	c.Ueno2012106cells_X002454	NIGv2.S00007697_22530-28969+	11.9278	5.2667	0.4415
pgbd4	c.Quigley201207_X014564	NIGv2.S00002189_80793-84609-	24.2461	10.7097	0.4417
ptafr	c.XenBase_148225481	JGIv7b.000013204_932024-944528+	50.8533	22.4895	0.4422
Unnamed	c.JGIL6RMv1_XeXenL6RMv10045325m	JGIv7b.000337760_15901-58446+	298.5535	132.4681	0.4437
emp2	c.Audic201207_X005649	JGIv7b.000009994_688953-717283+	11.8977	5.2798	0.4438
cdkn1a	c.Quigley201212_X017120	JGIv7b.000035524_395044-416123-	11.3771	5.0513	0.4440
degs3	c.Quigley201207_X006152	JGIv7b.000050694_6335072-6348349+	13.6705	6.0881	0.4453
pdlim4	c.Taira201203ovary_X002073	JGIv7b.000018892_8396642-8485046+	17.6648	7.8765	0.4459
pkdcc.1	c.XGI_TC417985	NIGv2.S00000053_637642-653407+	48.4049	21.5946	0.4461
dscaml1	c.Quigley201112_X020999	JGIv7b.000287959_4136328-4283427+	13.0097	5.8251	0.4478
slc16a12	c.Quigley201212_X048649	JGIv7b.000297158_55262-62916-	29.1729	13.1003	0.4491
arl6ip1	c.Amin201106_X029507	NIGv2.S00002733_149987-163003-	32.6371	14.6602	0.4492
pgbd4	c.Audic201207_X045902	JGIv7b.000231676_965161-969198-	17.1513	7.7097	0.4495
bmpr1b	c.Taira201203skin_X001271	JGIv7b.000024991_751780-947119-	18.0957	8.1749	0.4518
fth1	c.Chang2013_X041004	NIGv2.S00003324_455821-456877-	42.1495	19.0500	0.4520
rps21	c.XGI_TC456641	JGIv7b.000014557_962191-970899-	288.2483	130.3397	0.4522
kcnq1	c.Chang2013_X031703	JGIv7b.000183929_1448290-1533199-	23.6009	10.6897	0.4529
znf800	c.Quigley201212_X014069	JGIv7b.000026505_2751675-2772723-	25.1241	11.3840	0.4531
krt5.7	c.Taira201203kidney_X011862	JGIv7b.000200825_6634405-6640781+	96.1753	43.6850	0.4542
casp6	c.XGI_TC452334	JGIv7b.000051940_545160-548822+	50.3879	22.8873	0.4542
cxxc1	c.Taira201203st10_X005119	NIGv2.S00003459_74694-80778-	10.9600	4.9816	0.4545
upf3b	c.Audic201207_X054048	NIGv2.S00001898_915561-930777+	11.0649	5.0380	0.4553

tubb2b	c.Audic201207_X047936	JGIv7b.000274508_1784757-1790690+	20.7642	9.4651	0.4558
proser1	c.TeperekTkacz201205_X001990	JGIv7b.000158000_32724-65959+	10.3300	4.7092	0.4559
pidd	c.Ismailoglu201203_X003068	JGIv7b.000021980_2106475-2130308-	16.3528	7.4573	0.4560
lin28a	c.TeperekTkacz201205_X002748	NIGv2.S00002590_129600-146832+	82.1405	37.5333	0.4569
sema6a	c.Taira201203liver_X000646	JGIv7b.000012879_3520079-3636237+	16.3248	7.4921	0.4589
c5orf30	c.XenBase_148234248	JGIv7b.000001187_2165049-2174001-	32.5988	15.0847	0.4627
Unnamed	c.Chang2013_X040571	NIGv2.S00002584_1679464-1680608+	36.9899	17.1811	0.4645
sesn1	c.TXGP201107_X000908	JGIv7b.000008355_4543017-4556237-	71.2930	33.1542	0.4650
zhx1	c.Taira201203heart_X007572	JGIv7b.000250769_1191810-1205559-	11.8370	5.5140	0.4658
fam168b	c.Quigley201212_X010741	JGIv7b.000016807_9684979-9704645-	21.0237	9.7963	0.4660
kcnj1	c.JGIL6RMv1_XeXenL6RMv10043373m	JGIv7b.000166674_4392381-4394961+	21.0010	9.7964	0.4665
Unnamed	c.Chang2013_X038324	NIGv2.S00000126_73416-98180+	12.1060	5.6513	0.4668
fkbp9	c.Quigley201112_X000055	JGIv7a.000011051_1315033-1334960+	11.2795	5.2873	0.4688
cyp1a1	c.Taira201203kidney_X001952	JGIv7b.000012518_1166460-1177887-	16.9699	7.9571	0.4689
slc18a1	c.Quigley201212_X038742	JGIv7b.000139741_1169053-1189535+	10.0811	4.7302	0.4692
rab34	c.Chang2013_X040471	NIGv2.S00002408_83754-103247+	10.2350	4.8067	0.4696
znf852	c.Chang2013_X018743	JGIv7b.000053445_236907-242443+	29.3414	13.7811	0.4697
sdhaf1	c.Amin201106_X008646	JGIv7b.000032212_6351605-6355099+	18.6543	8.7699	0.4701
ctps-a	c.Audic201207_X056657	NIGv2.S00010193_138075-162871+	18.6455	8.7917	0.4715
ptch2-b	c.XGI_TC413755	JGIv7b.000179914_295234-325450-	16.3006	7.6975	0.4722
setd8	c.Quigley201212_X056664	NIGv2.S00009894_6829-7887+	20.4298	9.7041	0.4750
smug1	c.Taira201203st12_X003269	JGIv7b.000133382_300283-309087-	16.2413	7.7353	0.4763
aen	c.Quigley201207_X013865	NIGv2.S00000118_1516346-1524879-	10.6683	5.0873	0.4769
utp18	c.Chang2013_X011369	JGIv7b.000030353_49970-67598+	49.0453	23.4386	0.4779
fam55b	c.Quigley201212_X031331	JGIv7b.000083106_209734-227573+	15.4333	7.3823	0.4783
srp19	c.TeperekTkacz201206_X000865	JGIv7b.000012879_5175567-5182374-	34.5315	16.5178	0.4783
thap2	c.Audic201207_X031644	JGIv7b.000084303_127080-131700+	12.1323	5.8037	0.4784
greb1l	c.Taira201203egg_X002576	JGIv7b.000029621_3385027-3463584-	13.9342	6.6693	0.4786
rnf182	c.UniGene_Xl_S20337237	JGIv7b.000090265_789582-814398+	15.8803	7.6137	0.4794
rps3	c.Park201106_X025831	NIGv2.S00000259_923536-931578+	13.4588	6.4575	0.4798
tdg	c.XGI_TC417017	JGIv7b.000005925_7934169-7954927-	84.6882	40.6431	0.4799
Unnamed	c.Chang2013_X033037	JGIv7b.000208071_3368708-3370756+	62.0921	29.8511	0.4808
bend3	c.JGIL6RMv1_XeXenL6RMv10002692m	JGIv7b.000008630_4275671-4287698-	20.8235	10.0374	0.4820
c7orf55	c.mgEST_1013111819	JGIv7b.000245044_6689926-6692092+	15.7002	7.5690	0.4821
greb1l	c.Quigley201112_X013620	JGIv7b.000085591_509475-593911+	66.0147	31.8331	0.4822
Unnamed	c.JGIL6RMv1_XeXenL6RMv10008609m	JGIv7b.000103160_83520-85320-	170.6824	82.3656	0.4826
scnn1a	c.Audic201207_X053061	NIGv2.S00000974_169743-196628+	18.5398	8.9538	0.4829

rreb1	c.Taira201203spleen_X002925	JGIv7b.000057094_461895-536926-	24.9096	12.0486	0.4837
shisa2	c.JGIL6RMv1_XeXenL6RMv10028709m	JGIv7b.000137879_671290-673328-	90.1372	43.7473	0.4853
st6galnac2	c.Taira201203st30_X002676	JGIv7b.000071264_244788-267725+	21.8187	10.5941	0.4855
asb3	c.Amin201106_X011834	JGIv7b.000047457_291467-304807-	47.4515	23.0941	0.4867
crx-b	c.JGIL6RMv1_XeXenL6RMv10025952m	JGIv7b.000039723_9163473-9172981+	514.7947	250.8623	0.4873
pvrl1	c.JGIL6RMv1_XeXenL6RMv10052484m	JGIv7b.000287959_2461422-2572028+	17.9476	8.7516	0.4876
fth1	c.JGIL6RMv1_XeXenL6RMv10053072m	JGIv7b.000139674_1673507-1677285+	207.0597	101.0622	0.4881
rpl38	c.Quigley201212_X052038	NIGv2.S00000381_714107-717065-	28.6840	14.0026	0.4882
cyyr1	c.mgEST_1013087247	JGIv7b.000006590_8985524-9036264+	17.2742	8.4517	0.4893
crx-a	c.UniGene_XI_S22245695	JGIv7b.000050079_2769673-2781629-	208.3939	101.9791	0.4894
rpl27a	c.Chang2013_X035887	JGIv7b.000287959_146467-152199+	42.0335	20.5921	0.4899
hpgd	c.Ismailoglu201203_X012202	JGIv7b.000272351_96769-138279-	59.1187	28.9930	0.4904
rps6	c.Ismailoglu201203_X008289	JGIv7b.000090041_1386460-1394156+	29.6038	14.5399	0.4911
uqcrq	c.Ueno201210kidney_X002006	NIGv2.S00001008_1076956-1082531-	20.5732	10.1204	0.4919
Unnamed	c.Audic201207_X031888	JGIv7b.000086070_1414111-1424275-	26.5790	13.0946	0.4927
ccdc160	c.Audic201207_X023147	JGIv7b.000050694_3511837-3515127+	16.8492	8.3040	0.4928
tuba1a-b	c.mgEST_1013155827	JGIv7b.000127187_1109513-1113080-	97.8879	48.3090	0.4935
Unnamed	c.Taira201203eye_X005227	JGIv7b.000036991_54885-70970-	23.1933	11.4531	0.4938
pgbd4	c.Quigley201212_X022679	JGIv7b.000050671_74055-76126+	11.6563	5.7568	0.4939
cdca5	c.Park201106_X027907	NIGv2.S00004893_26096-31999+	14.7279	7.2763	0.4940
wdr12	c.JGIL6RMv1_XeXenL6RMv10042759m	JGIv7b.000139113_1098311-1114621-	39.8958	19.7287	0.4945
cdh26	c.Quigley201212_X024302	JGIv7b.000053223_277006-322333+	43.8993	21.7383	0.4952
ptpn9	c.Audic201207_X054711	NIGv2.S00002693_1099-29943+	22.8568	11.3325	0.4958
fau	c.Quigley201212_X052679	NIGv2.S00000809_1096395-1100607+	22.4896	11.1659	0.4965
polr2k	c.JGIL6RMv1_XeXenL6RMv10019863m	JGIv7b.000034503_3942828-3945719-	62.1450	30.8659	0.4967
mafb	c.Quigley201212_X020440	JGIv7b.000045834_856015-859264+	27.1229	13.4931	0.4975
Unnamed	c.Taira201203st08_X004257	JGIv7b.000107078_130406-136077+	956.1625	475.8530	0.4977
plekhg5	c.JGIL6RMv1_XeXenL6RMv10001236m	JGIv7b.000087017_2309169-2360359+	10.3424	5.1526	0.4982
rps6	c.Taira201203ovary_X009153	NIGv2.S00004748_383057-389525-	20.2850	10.1102	0.4984
Unnamed	c.mgEST_1013119916	JGIv7b.000217632_684-2008-	20.6438	10.2898	0.4984
srp19	c.mgEST_1013086260	NIGv2.S00002506_35793-42413-	47.9137	23.8846	0.4985
zfp36l1	c.Ismailoglu201203_X013721	NIGv2.S00003031_949948-957707-	67.8588	33.8391	0.4987
map1lc3a	c.Chang2013_X000296	JGIv7a.000068376_422032-434252+	12.5528	6.2631	0.4989
rpl11	c.Chang2013_X039165	NIGv2.S00000865_580486-587531-	22.7902	11.3710	0.4989
chd2	c.Quigley201212_X005439	JGIv7b.000009266_11820154-11876284+	20.3827	10.1817	0.4995
has-rs	c.Ismailoglu201203_X013818	NIGv2.S00003642_116689-121596+	127.7612	63.8391	0.4997

Table S43: Overlap of differentially expressed genes in embryos subject to increased FGF signalling by CSKA-FGF4, iFGFR1 or iFGFR4, from low stringency filtering. Up and down regulated gene lists were compiled to produce differentially expressed gene lists, containing 258, 453 and 759 for FGF4, iFGFR1 and iFGFR4 respectively. Unnamed genes are distinguished by their "Align to source" code. List analysis was performed using Multiple List Comparator (http://www.molbiotools.com/listcompare.html).

FGF4, iFGFR1 and iFGFR4	FGF4 and iFGFR1	FGF4 and iFGFR4	iFGFR1 and iFGFR4	
c4bpa	apold1	agr2	abhd15	plk3
dusp6	atf3	ank3	ag1-a	ppp1r3c.2
nuak2	c4bpa	c4bpa	appl1	proser1
pkdcc.2	dusp6	cbx4	arg1	rbms2
plk3	egr1	cygb	arpc3	rbpms2
sgk1	errfi1	dusp6	c4bpa	rilp
	fblim1	eppk1	c7orf55	rnf19b
	fgf16	ets1	cbx1	romo1
	fos	fth1	ccdc160	rpl27a
	fosl1	greb1l	cd59	rps21
	junb	hes3	crabp2	rps3
	mkl1	klhl13	cyp1a1	rreb1
	notch3	lrp2	dact1	setd8
	nuak2	nlrc4	dusp6	sgk1
	pkdcc.2	nuak2	dynll1-a	slc12a3
	plk3	otx1	fam55d	spry1
	sgk1	pkdcc.2	fcgbp	syt1
	sgsm3	plk3	fhdc1	tbx20
	spry2	sertad2	gnb3	tcf12
	tmcc1	sgk1	h2afj	tdh
		sp7	hesx1	tfec
		trim29	id3	tuba1a-b
			ift172	Unknown (c.Chang2013_X033037)
			inf2	Unknown (c.mgEST_1013119916)
			insm1	Unknown (c.Quigley201212_X055429)
			kctd15	Unknown (c.Taira201203st08_X004257)
			krt12	Unknown (c.XGI_TC424259)
			krt8.2	vegt-a
			lmbrd2	zfp36l1
			lrat	zfp36l2.2
			map3k8	znf300
			mcmbp	
			mdk	
			morn2	

			mrrf nedd9 nlk not-b nuak2 pgbd4 pkdcc.2	

Table S44: Phenotype of *X. tropicalis* embryos subject to CRISPR/Cas9 targeting, with water-injected controls. Embryos were injected with 600pg gRNA and 1.5ng Cas9 in 2nl, or 2nl water, at 1-2 cell stage and cultured to stages 37-40. Anterior defects include the presence of oedemas and enlargement, reduction or absence of the head, ventral endodermal yolk mass or eyes, while posterior defects include posterior truncations and tail curvature.

Target	Embryo group	Number of embryos injected	Mortality	Percentage of embryos	Phenotype	Percentage of embryos
FGFR1 exon 7	CRISPR/Cas9	31	Dead	9.677419355		
			Alive	90.32258065	1) Wild type	64.28571429
					2) Anterior defects	7.142857143
					3) Posterior defects	10.71428571
					4) Anterior and posterior defects	17.85714286
	Water-injected	27	Dead	33.33333333		
			Alive	66.66666667	1) Wild type	83.33333333
					2) Anterior defects	16.66666667
					3) Posterior defects	0
					4) Anterior and posterior defects	0
FGFR1 exon 15	CRISPR/Cas9	27	Dead	25.92592593		
			Alive	74.07407407	1) Wild type	65
					2) Anterior defects	0
					3) Posterior defects	15
					4) Anterior and posterior defects	20
	Water-injected	27	Dead	33.33333333		
			Alive	66.66666667	1) Wild type	83.33333333
					2) Anterior defects	16.66666667

					3) Posterior defects	0
					4) Anterior and posterior defects	0
FGFR4 exon 3	CRISPR/Cas9	27	Dead	18.51851852		
			Alive	81.48148148	1) Wild type	40.90909091
					2) Anterior defects	36.36363636
					3) Posterior defects	0
					4) Anterior and posterior defects	22.72727273
	Water-injected	26	Dead	26.92307692		
			Alive	73.07692308	1) Wild type	78.94736842
					2) Anterior defects	5.263157895
					3) Posterior defects	15.78947368
					4) Anterior and posterior defects	0
FGFR4 exon 5 (1)	CRISPR/Cas9	21	Dead	0		
			Alive	100	1) Wild type	90.47619048
					2) Anterior defects	0
					3) Posterior defects	0
					4) Anterior and posterior defects	9.523809524
	Water-injected	22	Dead	9.090909091		
			Alive	90.90909091	1) Wild type	95
					2) Anterior defects	0
					3) Posterior defects	0

					4) Anterior and posterior defects	5
FGFR4 exon 5 (2)	CRISPR/Cas9	25	Dead	12		
			Alive	88	1) Wild type	81.81818182
					2) Anterior defects	0
					3) Posterior defects	0
					4) Anterior and posterior defects	18.18181818
	Water-injected	26	Dead	26.92307692		
			Alive	73.07692308	1) Wild type	78.94736842
					2) Anterior defects	5.263157895
					3) Posterior defects	15.78947368
					4) Anterior and posterior defects	0
FGFRL1 exon 3 (1)	CRISPR/Cas9	24	Dead	12.5		
			Alive	87.5	1) Wild type	66.66666667
					2) Anterior defects	0
					3) Posterior defects	4.761904762
					4) Anterior and posterior defects	28.57142857
	Water-injected	22	Dead	9.090909091		
			Alive	90.90909091	1) Wild type	95
					2) Anterior defects	0
					3) Posterior defects	0
					4) Anterior and posterior defects	5

FGFRL1 exon 3 (2)	CRISPR/Cas9	35	Dead	28.57142857		
			Alive	71.42857143	1) Wild type	88
					2) Anterior defects	0
					3) Posterior defects	8
					4) Anterior and posterior defects	4
	Water-injected	26	Dead	26.92307692		
			Alive	73.07692308	1) Wild type	78.94736842
					2) Anterior defects	5.263157895
					3) Posterior defects	15.78947368
					4) Anterior and posterior defects	0
FGFRL1 exon 5	CRISPR/Cas9	29	Dead	17.24137931		
			Alive	82.75862069	1) Wild type	66.66666667
					2) Anterior defects	4.166666667
					3) Posterior defects	12.5
					4) Anterior and posterior defects	16.66666667
	Water-injected	27	Dead	33.33333333		
			Alive	66.66666667	1) Wild type	83.33333333
					2) Anterior defects	16.66666667
					3) Posterior defects	0
					4) Anterior and posterior defects	0