

Table 1, supplement. Significance analysis of microarray results with a false discovery rate of less than 48%

Affymetrix ID	FDR ¹	ratio ko/cont	Cont 1	Cont 3	Cont 5	Cont 7	Cont 9	KO 2	KO 4	KO 6	KO 8	KO 10	Common	Synonyms	Genbank
			Raw	Raw	Raw	Raw	Raw	Raw	Raw	Raw	Raw	Raw			
1415822_at	43.92	4.548613448	28.325	18.854	28.977	33.087	39.923	118.72	286.62	80.148	141.84	51.169	Scd2		BG060909
1415904_at	0	3.799080897	226.06	327.51	256.4	173.85	417.44	1109.9	1047.3	972.65	1256.2	937.4	Lpl		BC003305
1456388_at	0	3.600682785	21.297	23.246	20.725	21.594	14.521	45.793	68.261	96.446	59.96	94.593	Atp11a		AV378604
1438617_at	0	3.296186491	179.18	179.13	190.21	169.55	238.24	955.01	631.21	435.84	625.01	505.07	Serpina7	Thyroxine Binding Globulin	BB222737
1431056_a_at	0	3.245518459	49.946	64.161	50.176	34.157	64.872	184.63	165.2	182.76	171.89	150.1	Lpl		AK017272
1418213_at	44.19	2.053728054	11.667	12.157	10.465	15.139	21.797	22.13	33.302	30.893	39.591	20.359	Krt1-23		NM_033373
1453556_x_at	44.19	1.705549858	22.226	30.44	33.175	33.026	36.445	61.157	35.43	61.491	55.998	50.815	2410026K10Rik	CD99	AK002762
1435600_s_at	10.31	1.610577115	26.153	24.484	23.282	27.224	24.129	40.637	34.344	50.376	42.123	34.28	BC020535		AV174401
1437202_at	43.92	1.565880171	17.741	13.864	12.7	15.462	9.3109	23.012	22.103	21.94	21.103	20.011	C530050H10Rik		BB494594
1443322_at	43.92	1.527271691	10.787	11.818	11.165	12.01	12.983	16.001	17.848	13.784	23.539	18.575			AV328597
1451418_a_at	43.92	1.494237464	89.185	122.6	104.25	121.14	79.671	142.62	161.63	147.12	144.08	176.86	Ssb4		BC023083
1446254_at	47.31	1.488514197	13.034	14.296	13.539	14.756	11.477	17.807	26.272	19.847	15.37	20.583			BB116559
1447558_at	44.19	1.461688827	6.3058	6.3706	6.3316	6.0682	6.1846	11.688	10.151	6.9794	8.4356	8.4404			BB138877
1437111_at	44.19	1.458389559	6.8397	6.6864	10.05	8.0283	6.6864	9.804	9.6439	12.327	11.55	12.519	C230027N18Rik		BB183628
1428736_at	43.92	1.393961429	100.76	96.873	135.07	120.43	109.27	182.72	163.04	136.19	142.99	159.03	9130427A09Rik		AV259880
1435452_at	27.76	1.392051504	75.495	65.262	65.385	75.787	86.253	110.84	98.437	97.795	112.82	92.639	Tmem20		BM121082
1451419_at	43.92	1.385958875	35.677	46.511	44.655	44.307	35.336	51.718	55.833	68.285	52.528	57.818	Ssb4		BC023083
1416193_at	44.19	1.38327595	29.287	29.363	29.44	28.949	29.127	44.462	34.546	45.602	45.615	31.963	Car1		BC011223
1430514_a_at	43.92	1.378448312	15.577	15.577	15.802	17.107	16.337	18.847	24.876	21.842	26.614	18.648	2410026K10Rik		AK002762
1449001_at	0	1.377269824	187.01	198.94	201.68	207.91	197.01	267.09	301.44	256.91	297.97	243.61	Ivd		AV221988
1435554_at	39.01	1.356051615	108.94	138.39	155.19	140.65	124.38	173.75	169.3	191.63	188.62	181.91	C630016B22Rik		BB771888
1434659_at	44.19	1.341403349	42.63	53.45	54.066	49.559	47.321	57.319	63.883	59.686	74.545	75.928	5830411G16Rik		BB514213
1452384_at	34.37	1.338312093	18.124	18.514	20.942	18.035	18.374	26.835	28.482	23.686	21.251	25.535	Enpp3		AV224446
1416918_at	0	1.337909023	28.362	28.467	28.981	28.571	28.467	34.465	39.055	37.924	38.179	41.494	Dlgh3		NM_016747
1450724_at	43.92	1.326301717	111.83	121.31	92.908	125.62	122.63	137.66	168.6	146.41	164.27	144.77	Drctnrb1a		NM_053090
1434405_at	44.19	1.314539318	29.086	26.004	28.52	25.587	22.294	30.859	36.092	34.677	40.123	31.099	A730024A03Rik		BB360713
1452262_at	43.92	1.313613408	81.239	74.669	93.91	91.403	82.077	100.71	113.94	98.073	114.1	129.24	Grpel2		AK003011
1448506_at	43.92	1.309410019	4494.7	4909.9	4188.3	4375.1	4176.2	5403.3	5426.5	5642.5	7178.2	5345.4	Serpina6		NM_007618
1429559_at	0	1.308049925	14.695	14.266	15.441	16.325	16.723	18.827	20.973	19.963	20.994	20.551	Gnaq		AK003474
1425603_at	27.76	1.305752838	402.4	416.83	423.42	410.45	397.61	528.95	476.43	617.73	486.92	567.68	0610011I04Rik		BC006049
1454658_at	44.19	1.303581226	88.204	78.67	97.316	86.667	95.237	99.961	113.28	122.08	137.58	108.63	Ilvbl		BI408416
1426812_a_at	43.16	1.298913559	43.424	42.492	39.763	36.182	43.387	49.721	46.4	59.471	55.811	55.199	9130404D14Rik		BF166604
1429810_at	44.19	1.295862176	8.4724	8.7166	8.8958	8.4545	8.4323	12.252	13.22	10.248	10.437	9.5284	4921505C17Rik		BM123174
1455165_at	43.16	1.29414145	146.32	105.35	124.06	131.25	126.3	159.22	163.29	158.08	162.12	176.84			BE335227
1428695_at	27.76	1.287996163	30.237	26.903	29.061	24.058	29.846	35.263	36.461	39.431	34.052	35.245	9130227C08Rik		BB424872
1426733_at	44.19	1.285938685	55.923	74.546	74.409	61.889	62.101	87.558	84.875	79.078	91.226	80.167	Itpk1		AW552407
1433568_at	43.92	1.269346717	55.534	54.214	65.099	65.5	53.503	69.347	76.59	81.433	76.428	69.201	Papd4		AV301313
1424979_at	43.92	1.268889098	83.056	82.433	80.658	77.057	74.355	99.537	116.02	106.14	86.941	95.813	6530402N02Rik		BC012406
1460642_at	24.26	1.263213344	12.104	11.605	11.801	11.863	13.146	13.372	15.618	16.1	15.2	16.158	Traf4		NM_009423
1422666_at	43.92	1.249206265	39.217	47.636	44.44	45.426	46.15	48.95	55.855	54.174	58.829	60.601	Cblc		NM_023224
1428598_at	47.31	1.234110678	43.911	42.019	39.018	47.415	49.76	49.743	52.027	59.416	55.894	57.044	Tbc1d7		AK011356
1434891_at	43.92	1.217531495	8.5651	7.9175	7.3627	8.4798	8.2377	10.317	9.1264	8.9028	10.471	10.569	4833445A08Rik		AV253087
1449028_at	27.76	1.206185576	346.5	338.37	344.05	370.15	353.97	416.39	457.04	390.63	451.66	398.76	Rhou		AF378088
1452820_at	27.76	1.193115172	69.236	72.758	75.78	70.929	80.231	91.62	84.912	93.401	84.888	85.361	Wdr11		AK013701
1452798_s_at	44.19	1.190931216	57.76	51.748	53.604	56.66	55.688	59.856	65.677	61.55	73.629	67.341	2310009E07Rik		AK009250
1450675_at	44.19	1.180422532	84.789	75.9	84.34	87.152	94.949	100.06	105.56	105.68	98.208	94.686	1810031K02Rik		NM_133716
1434337_at	44.19	1.176248186	136.53	112.74	121.26	120.28	130.38	147.8	152.04	136.3	152.38	142.15	Cklfsf3		BE136285
1433645_at	43.16	1.176213016	350.21	375.35	342.37	350.26	372.53	411.45	454.22	443.35	413.63	383.61	2210409B22Rik		BM207133
1455639_at	39.01	1.157728573	48.748	51.466	49.295	50.008	46.208	57.014	53.649	60.436	59.192	54.193	Rap2ip		AV224593
1429046_at	43.16	1.152507879	69.102	72.542	67.768	67.867	78.713	80.095	83.031	85.194	80.504	81.46	2810411E22Rik		BI697997
1424108_at	43.92	1.147434038	2296.5	2277.9	2497	2435.7	2587.6	2922.3	2659.8	2866.6	2699.9	2729.1	Glo1		BC024663
1454905_at	44.19	1.125122069	93.308	92.965	94.82	92.916	89.623	98.217	99.388	106.15	104.28	113.61	5430411K16Rik		BM205711
1418148_at	43.92	1.123661001	368.16	385.11	374.92	413.46	391.72	427.77	427.34	463.81	427.09	426.45	Abhd1		NM_021304
1424109_a_at	44.19	1.119312282	6393.3	6334.8	6414.1	6683.4	6406.8	7367.4	7461.3	7524.1	7169.6	6555.9	Glo1		BC024663
1424541_at	44.19	1.106342726	198.29	221.14	199.6	209.75	220.45	227.02	228.71	233.99	237.88	233.21	1110020A09Rik		BC011320
1415785_a_at	44.19	1.095531534	826.35	841.48	824.3	832.23	725.77	906.74	862.65	913.05	894.51	892.88	Cct8		NM_009840
1448596_at	10.31	1.07119247	8.433	8.3792	8.4297	8.534	8.3531	9.2905	8.8576	8.9675	8.8693	9.1432	Slc6a8		BG069516
1416881_at	27.76	1.070137325	118.3	116.03	120.54	122.17	118.7	125.83	125.4	130.64	129.2	126.46	Mcl1		BC003839

1436972_at	47.37	0.948797762	8.5384	8.692	8.8211	8.9738	8.9122	8.472	8.4891	8.2852	8.1288	8.3128	Gpr61	AV291075
1417242_at	33.26	0.914267261	303.91	305.15	320.73	324.61	308.1	293.3	289.8	282.57	283.05	279.84	Ddx48	NM_138669
1456887_at	43.92	0.906931691	8.5033	9.1525	9.1244	9.5481	9.1831	8.1003	8.171	8.3523	8.4809	8.171	1700030P01Rik	AW228687
1450744_at	47.37	0.901931463	937.65	986.22	941.71	981.79	898.36	841.41	874.24	810.59	905.13	848.94	Eil2	NM_138953
1419622_at	47.37	0.893433585	6982.6	6688.9	7769.4	7244.9	7361.1	6263.5	6525.7	6596.4	6312.7	6507.1	9430041C03Rik	NM_009467
1456607_at	43.16	0.892927992	96.127	102.25	98.571	106.53	98.398	90.362	94.015	86.61	86.796	90.35	5730538E15Rik	AV320529
1437761_at	47.31	0.892639346	293.49	266.33	286.36	265.22	281.64	258.36	241.11	247.31	239.95	256.75	Luc7l2	BI693511
1426773_at	47.37	0.883242868	135.43	144.76	139.19	135.12	133.62	122.42	116.23	113.35	131.8	123.97	Mfn1	AK018181
1451625_a_at	47.37	0.876266038	6924.1	6449.6	7308.3	7418.8	7146.3	6081.8	5872.9	6004.3	6581.8	6344.9	1700013L23Rik	BC019967
1457362_at	33.26	0.87614482	6.9999	7.5855	7.3224	7.3701	7.8356	6.4048	6.7152	6.1395	6.5421	6.7152		BE852749
1449465_at	33.26	0.871740296	457.8	474.03	431.13	460.38	451.81	376.69	382.14	414.8	417.85	391.86	Reln	NM_011261
1423884_at	43.16	0.871077769	177.15	172.48	179.11	165.33	159.14	140.22	145.72	154.58	155.36	147.33	Tex292	BC027399
1436346_at	47.37	0.869087766	7.386	6.8805	7.1928	7.3837	7.7695	6.35	5.7905	6.3981	6.4003	6.8805	Cd109	AV246882
1436767_at	39.01	0.868874922	334.6	333.7	313.04	335.77	299.46	297.39	272.18	282.66	280.38	271.98	Luc7l2	BB475271
1417962_s_at	47.37	0.866580665	3011.4	3290	3304.9	3414.2	3189.2	2637.5	2688.8	3085.6	2862	2773.1	Ghr	NM_010284
1419611_at	47.31	0.862041936	28.096	25.7	25.829	28.951	29.13	23.998	23.605	24.328	21.949	24.829	4632415L05Rik	BC023403
1425506_at	40.7	0.86090437	250.01	265.93	243.19	272.4	242.48	210.22	217.63	220.84	235.37	212.73	9530072E15Rik	BF451748
1441592_at	47.37	0.853170954	34.849	34.082	34.248	36.662	30.578	31.721	27.664	28.452	29.691	27.869		BB667902
1436881_x_at	39.01	0.839803946	9.5121	9.2522	8.3154	8.4534	8.2793	7.103	7.6015	7.5446	6.9093	7.6356	Afp	BB273712
1460228_at	19.33	0.835195563	80.29	84.797	92.855	82.803	87.389	75.309	70.143	71.873	71.22	69.031	Usf2	AW537576
1419677_at	47.37	0.831475861	1496.6	1398.2	1441.7	1409.1	1373.3	1069.6	1177.7	1273.2	1077.5	1321.2	Masp1	NM_008555
1437197_at	47.31	0.831396027	341.76	352.33	421.59	358.43	353.78	297.67	303.84	314.99	317.29	285.9	9430041O17Rik	BB251748
1435800_a_at	47.37	0.825730996	484.46	502	457.9	506.99	513.27	369.4	467.4	388.56	423.69	386.05	Csda	BB779100
1421456_at	47.31	0.825475348	7.5084	8.922	7.1004	6.9854	7.8699	6.3351	6.3518	6.1954	6.3988	6.4057	P2ry1	NM_008772
1423316_at	47.31	0.821687026	99.44	103.14	83.456	96.211	102.25	84.074	80.216	82.119	75.84	75.853	2610033C09Rik	AK017817
1418388_s_at	27.76	0.820112077	172.58	189.03	158.96	169.46	170.14	141.38	141.49	147.26	145.57	129.73	4930548G07Rik	NM_023773
1416795_at	47.37	0.807238532	68.75	73.773	80.775	75.058	69.332	55.825	51.9	59.031	63.049	67.007	Cryl1	NM_030004
1428496_at	47.37	0.805210678	128.9	145.69	134.95	125.63	144.72	109.53	115.59	97.974	125.18	99.188	Secisbp2	AA198634
1436766_at	47.31	0.800579656	2101.6	2129.7	1874.3	1950.4	1627.4	1572.9	1572.9	1449.6	1549.9	1606.9	Luc7l2	BB475271
1423512_at	47.37	0.799926876	192.56	234.01	185.4	218.06	181.91	170.36	159.9	152.61	169.78	156.82	AW209491	BF715189
1455208_at	47.37	0.795539709	24.655	24.895	23.956	20.069	19.404	17.433	18.778	17.211	17.993	18.464	Pex19	AV229364
1437894_at	47.31	0.790238376	92.912	96.875	79.315	91.061	91.503	59.773	71.926	76.11	77.187	71.926	A230003G05Rik	BE994433
1434330_at	47.37	0.786830353	282	314.06	312.58	312.41	265.52	217.89	259.99	251.18	242.96	197.65	E130107N23Rik	BB540721
1436885_a_at	33.26	0.780797798	161.25	174.91	171.42	176.63	152.51	119.17	141.6	145.03	122.45	125.05	Cherp	BB700223
1427411_s_at	47.37	0.774294091	76.714	86.64	79.942	83.456	63.182	63.182	64.437	54.633	57.345	62.328	Dleu2	BB812902
1450873_at	0	0.773051459	337.25	381.12	350.31	356.39	338.66	280.41	266.34	264.76	282.42	269.54	Gtpbp4	AI987834
1431566_at	47.37	0.767715432	83.684	87.018	78.768	96.643	83.021	54.16	62.974	68.182	68.527	75.611	9030622O22Rik	AW319512
1423859_a_at	47.31	0.765558154	122.14	108.39	123.02	146.01	142.84	97.316	104.06	92.365	95.297	102.76	Ptgds	AB006361
1459488_at	47.37	0.763264557	76.249	70.283	72.191	72.232	71.718	52.62	59.381	57.739	64.212	42.863		BM249225
1449861_at	33.26	0.75859729	25.963	31.033	30.45	27.56	33.893	20.609	22.631	22.402	24.566	22.745	Nek4	BF181187
1455643_s_at	47.37	0.754814703	143.33	191.55	139.24	171.34	161.48	124.62	132.43	109.4	116.92	125.73	AW550801	BF228294
1434481_at	47.37	0.740760414	70.516	67.943	69.174	71.866	81.405	63.812	47.338	44.378	51.861	59.956	4121402D02Rik	BI695596
1450531_at	47.37	0.738449374	279.81	211.67	209.07	242.24	193.21	169.91	189.79	155.63	163.81	159.76	H2-Q10	NM_008199
1449870_a_at	22.91	0.726352826	28.611	30.965	33.744	27.904	29.293	18.693	21.354	24.411	21.968	22.904	Atp6v0a2	NM_011596
1426269_at	14.73	0.716890486	415.98	476.66	480.11	454.89	400.33	302.4	306.66	363.66	297.86	326.63	Sybl1	BC003764
1422072_a_at	47.31	0.716588851	371.03	304.45	469.33	370.64	368.63	277.44	280.4	284.3	259.19	248.78	Gstm6	NM_008184
1419393_at	19.33	0.713933742	464.48	371.16	447.91	492.96	474.09	305.99	338.68	340.44	321.8	299.87	Abcg5	NM_031884
1452007_at	14.73	0.689537269	210.55	228.33	234.01	206.68	184.82	135.37	146.16	165.02	136.38	151.01	Sybl1	BC003764
1442351_a_at	33.26	0.671640367	84.976	103.82	111.05	113.19	107.35	72.319	60.708	84.474	67.967	64.042	BC029214	BB313029
1424572_a_at	27.76	0.633424787	211.99	168.38	188.76	163.57	182.06	102.76	136.63	125.64	92.505	121.89	H2afy	AF171080
1424133_at	14.73	0.612390716	165.49	133.93	153.35	152.98	185.24	91.69	94.237	103.36	111.01	84.102	6530411B15Rik	BC011208
1418804_at	14.73	0.546817481	216.74	231.39	215.33	255.09	205.8	122.19	149.96	142.44	108.56	91.652	Gpr91	NM_032400
1437064_at	43.92	0.520524782	15.408	14.551	17.361	8.377	11.733	6.4741	7.6799	8.2066	6.4877	6.2504	AW320017	AV232123
													Androgen receptor	
													MacroH2A1	
													Succinate receptor 1	

¹False discovery rate, this is a statistical estimate of the percentage of genes identified by chance, see Tusher, V. G., Tibshirani, R. and Chu, G. 2001. Proc Natl Acad Sci U S A 98, 5116-5121.