Table 3

probe ID	Gene Symbol	Title	*P* value	meanSig placeb	meanSig 6h	maxFC	Location
1423232_at	Etv4	ets variant gene 4 (E1A enhancer binding pr	1.00E-08	8.721929086	4.34421533	20.78849996	Chr:11 60.0 cM
1428710_at	Rit1	Ras-like without CAAX 1	9.99E-07	7.611077998	8.304836724	1.617492167	Chr:3 F1
1421204_a_at	2310041H06Rik	RIKEN cDNA 2310041H06 gene	1.20E-06	7.585506607	8.968121164	2.60740476	Chr:9 F1
1452161_at	AW558171	expressed sequence AW558171	1.25E-06	7.699854118	9.257527863	2.943787931	Chr:3 E1
1425319_s_at	6530403A03Rik	RIKEN cDNA 6530403A03 gene	3.27E-06	7.643355923	8.28632993	1.561544851	Chr:13 A3.3
1454606_at	4933426M11Rik	RIKEN cDNA 4933426M11 gene	3.81E-06	9.736594835	8.944774519	1.731257493	Chr:12 C3
1419043_a_at	Iigp-pending	interferon-inducible GTPase	4.31E-06	14.02701745	12.03060945	3.990053257	Chr:18 E1
1460330_at	Anxa3	annexin A3	4.68E-06	12.95425151	11.77908814	2.258184507	Chr:5 54.0 cM
1415753_at	BC005632	cDNA sequence BC005632	4.84E-06	12.21720102	10.74376502	2.776824503	Chr:10 C1
1416048_at	Phc2	polyhomeotic-like 2 (Drosophila)	4.99E-06	10.9416649	9.807119762	2.195493314	Chr:4 61.0 cM
1420697_at	Slc15a3	solute carrier family 15, member 3	5.51E-06	9.919236309	8.404059963	2.858337643	Chr:19 A
1421163_a_at	Nfia	nuclear factor I/A	5.74E-06	6.653220172	7.675109496	2.030576421	Chr:4 45.8 cM
1427894_at	Slitl2	Slit-like 2 (Drosophila)	6.50E-06	9.366366861	8.177825491	2.27922187	Chr:16 A1
1417040_a_at	Bok	Bcl-2-related ovarian killer protein	7.00E-06	11.34369947	9.248044187	4.274202556	Chr:1 D
1417141_at	Igtp	interferon gamma induced GTPase	7.04E-06	12.95696657	11.41159626	2.918789778	Chr:11 32.0 cM
1448698_at	Ccnd1	cyclin D1	7.17E-06	11.12540899	9.786963652	2.528786675	Chr:7 72.3 cM
1435866_s_at	Hist3h2a	histone 3, H2a	7.80E-06	9.577833649	10.87885051	2.464024945	---
1424617_at	2010008K16Rik	RIKEN cDNA 2010008K16 gene	9.60E-06	10.50447564	9.614658076	1.852941794	Chr:11 D
1424464_s_at	AW212394	expressed sequence AW212394	1.02E-05	5.713530494	6.882644603	2.248735702	Chr:1 C1.1
1415907_at	Ccnd3	cyclin D3	1.22E-05	11.74414725	10.64765225	2.138345539	Chr:17 28.8 cM
1449056_at	E330009J07Rik	RIKEN cDNA E330009J07 gene	1.28E-05	7.842898315	8.80304804	1.945511792	Chr:6 B1
1438761_a_at	Odc	ornithine decarboxylase, structural	1.31E-05	12.22307987	10.04730827	4.518273483	Chr:12 6.0 cM
1419042_at	Iigp-pending	interferon-inducible GTPase	1.40E-05	12.24024227	9.828726691	5.320329433	Chr:18 E1
1453939_x_at	G1p2	interferon, alpha-inducible protein	1.70E-05	7.476063189	5.406048787	4.198908651	Chr:4 E2
1421065_at	Jak2	Janus kinase 2	1.84E-05	7.738933127	8.564091479	1.771729495	Chr:19 24.0 cM
1419366_at	2610510L01Rik	RIKEN cDNA 2610510L01 gene	2.09E-05	7.759733659	8.530145886	1.705757107	Chr:11 A1
1433691_at	Ppp1r3c	protein phosphatase 1, regulatory (inhibitor	2.10E-05	4.819756573	8.761856167	15.37057887	Chr:19 C2
1426546_at	Tesk2	testis-specific kinase 2	2.31E-05	6.755676175	7.732122932	1.967613362	Chr:4 D1
1418825_at	Ifi1	interferon inducible protein 1	2.45E-05	11.49998817	9.944634964	2.939056728	Chr:11 B1.2
1418580_at	5830458K16Rik	RIKEN cDNA 5830458K16 gene	2.46E-05	12.02287028	10.62817034	2.629338602	Chr:16 A1
1426467_s_at	0610037L13Rik	RIKEN cDNA 0610037L13 gene	2.47E-05	9.491027648	8.424082653	2.094992379	Chr:4 C7
1426499_at	Sh3glb2	SH3-domain GRB2-like endophilin B2	2.55E-05	11.38283025	10.4927961	1.853219998	Chr:2 B
1436362_x_at	---	---	2.98E-05	7.387034397	8.394939686	2.010989138	---
1437239_x_at	Phc2	polyhomeotic-like 2 (Drosophila)	3.02E-05	11.72024614	10.69012602	2.042194271	Chr:4 61.0 cM
1422973_a_at	Thrsp	thyroid hormone responsive SPOT14 homolo	3.15E-05	12.19326238	10.37455308	3.527654576	Chr:7 E1
1416366_at	1810004I06Rik	RIKEN cDNA 1810004I06 gene	3.23E-05	12.73018743	11.99367153	1.666147237	Chr:7 E1
1426915_at	Dapk1	death associated protein kinase 1	3.36E-05	7.111584647	7.753899191	1.560831223	Chr:13 40.0 cM
1416584_at	Man2b2	mannosidase 2, alpha B2	3.42E-05	7.012625128	7.841036581	1.775729035	Chr:5 B2-13.3
1416488_at	Ccng2	cyclin G2	3.73E-05	8.881957244	9.884116344	2.002995389	Chr:5 E3.3-F1.3
1449445_x_at	Mfap1	microfibrillar-associated protein 1	3.84E-05	9.547236281	10.15398115	1.522819414	Chr:2 E5
1448242_at	Sec61a1	Sec61 alpha 1 subunit (S. cerevisiae)	3.96E-05	11.31463349	10.6449644	1.59070806	Chr:6 D1
1418780_at	Cyp39a1	cytochrome P450, family 39, subfamily a, p	4.08E-05	6.045122151	7.523529604	2.786409802	Chr:17 B3
1431086_s_at	Pcmt1	protein-L-isoaspartate (D-aspartate) O-meth	4.11E-05	8.599037403	7.868226285	1.659571881	Chr:10 7.0 cM
1448529_at	Thbd	thrombomodulin	4.11E-05	11.46369398	9.507113906	3.881407959	Chr:2 84.0 cM
1449934_at	Pura	purine rich element binding protein A	4.12E-05	9.093542082	10.04275248	1.93081561	Chr:18 B2
1429379_at	Xlkd1	extra cellular link domain-containing 1	4.26E-05	12.82179544	11.67091343	2.220496049	Chr:7 E3
1430005_a_at	4933430F08Rik	RIKEN cDNA 4933430F08 gene	4.51E-05	10.55427867	8.686844327	3.64883102	Chr:19 A
1431591_s_at	G1p2	interferon, alpha-inducible protein	4.69E-05	11.06880345	8.962477375	4.3059336	Chr:4 E2
1427364_a_at	Odc	ornithine decarboxylase, structural	4.74E-05	9.941818646	8.279299472	3.165688216	Chr:12 6.0 cM
1428626_at	2210402C18Rik	RIKEN cDNA 2210402C18 gene	5.00E-05	9.715200907	8.921233115	1.733836419	Chr:9 D
1425109_at	BC010552	cDNA sequence BC010552	5.01E-05	7.125595335	8.340863993	2.32184016	Chr:3 G1
1423358_at	1810009K13Rik	RIKEN cDNA 1810009K13 gene	5.01E-05	8.646171435	7.860923723	1.723388201	Chr:16 A1
1419025_at	Sag	retinal S-antigen	5.22E-05	8.073883424	7.269403379	1.746516225	Chr:1 53.6 cM
1424531_a_at	Tcea3	transcription elongation factor A (SII), 3	5.50E-05	7.232246033	8.183273146	1.933248526	Chr:4 D3
1448825_at	Pdk2	pyruvate dehydrogenase kinase, isoenzyme	5.56E-05	8.595992792	9.254384377	1.578322022	Chr:11 55.5 cM
1416699_at	1110008F13Rik	RIKEN cDNA 1110008F13 gene	5.60E-05	11.87133364	11.12038001	1.682904883	Chr:2 H1
1455271_at	1500011J06Rik	RIKEN cDNA 1500011J06 gene	5.89E-05	13.47960421	11.78807901	3.229979927	---
1424906_at	E030024M05Rik	RIKEN cDNA E030024M05 gene	5.96E-05	8.997109745	9.644415228	1.5662402	Chr:12 A1.2
1435277_x_at	Nme1	expressed in non-metastatic cells 1, protein	6.16E-05	10.45751911	9.431065814	2.037010335	Chr:11 D
1419126_at	Hoxd9	homeo box D9	6.18E-05	10.12490858	11.58733013	2.755705186	Chr:2 45.0 cM
1434704_at	Srpk2	serine/arginine-rich protein specific kinase 2	6.24E-05	8.935703056	9.57963684	1.56258404	Chr:5 9.0 cM
1417172_at	Ubce8	ubiquitin-conjugating enzyme 8	6.38E-05	7.966574455	7.007289141	1.944346461	Chr:2 D
1453128_at	Xlkd1	extra cellular link domain-containing 1	6.44E-05	12.69015838	11.37628854	2.486075044	Chr:7 E3
1437711_x_at	Odc	ornithine decarboxylase, structural	6.53E-05	11.00853004	9.254429985	3.373158372	Chr:12 6.0 cM
1418884_x_at	Tuba1	tubulin, alpha 1	6.77E-05	12.77516536	11.42669048	2.546427921	Chr:15 60.4 cM
1455019_x_at	5630400A09Rik	RIKEN cDNA 5630400A09 gene	6.81E-05	11.2805539	10.42469672	1.809833757	Chr:10 C1
1451083_s_at	Aars	alanyl-tRNA synthetase	6.85E-05	10.59604858	9.737289596	1.813477668	Chr:8 E1
1453063_at	Cltb	clathrin, light polypeptide (Lcb)	6.87E-05	10.35839171	9.640860205	1.644366066	Chr:13 B1
1435133_at	Ugcg	UDP-glucose ceramide glucosyltransferase	6.89E-05	11.63389509	10.34061501	2.450846403	Chr:4 32.0 cM
1434839_s_at	8030499H02Rik	RIKEN cDNA 8030499H02 gene	6.99E-05	8.735719715	9.396243288	1.58065616	Chr:3 A3
1418571_at	Tnfrsf12a	tumor necrosis factor receptor superfamily,	7.11E-05	9.980542032	4.784112503	36.66748801	Chr:17 A3.3
1417277_at	Cyp4f16	cytochrome P450, family 4, subfamily f, poly	7.30E-05	9.445911897	8.695132775	1.682701322	Chr:17 B1
1436680_s_at	Acp2	acid phosphatase 2, lysosomal	7.32E-05	6.511026838	7.190015682	1.601017242	Chr:2 52.0 cM

1434380_at	---	Mus musculus diabetic nephropathy-related	7.60E-05	11.46460088	9.805008646	3.159272181	---
1416700_at	Arhe	ras homolog gene family, member E	7.74E-05	9.53764352	10.9255938	2.617065947	Chr:2 C1.1
1429692_s_at	Gch	GTP cyclohydrolase 1	7.76E-05	8.121043669	6.971504993	2.218429454	Chr:14 19.5 cM
1417053_at	Phb	prohibitin	7.87E-05	10.93940701	9.982073613	1.941717611	Chr:11 55.6 cM
1448250_at	9030425E11Rik	RIKEN cDNA 9030425E11 gene	8.06E-05	11.20084505	10.13621292	2.091636475	Chr:9 A5.1
1455841_s_at	Grwd1	glutamate-rich WD repeat containing 1	8.23E-05	8.7770956	7.997912007	1.716159441	Chr:4
1421260_a_at	Srm	spermidine synthase	8.37E-05	10.56269358	8.998956579	2.956185907	Chr:4 E2
1426381_at	BC013720	cDNA sequence BC013720	8.80E-05	8.219876184	7.368785993	1.803863522	Chr:19 C3
1453076_at	9130211I03Rik	RIKEN cDNA 9130211I03 gene	8.99E-05	9.427272402	8.29925559	2.185580947	Chr:1 H6
1419156_at	Sox4	SRY-box containing gene 4	9.43E-05	6.56554375	8.748895854	4.542076813	Chr:13 20.0 cM
1424955_at	BC024400	cDNA sequence BC024400	9.71E-05	7.295935435	7.927890662	1.549663769	Chr:18 E3
1438415_s_at	Carm1-pending	coactivator-associated arginine methyltransf	9.71E-05	7.274469396	7.975548733	1.625720603	---
1452160_at	AW558171	expressed sequence AW558171	9.92E-05	7.031131483	8.815268794	3.444124537	Chr:3 E1
1448104_at	Aldh6a1	aldehyde dehydrogenase family 6, subfamily	0.000101141	7.832259402	8.618652929	1.724757492	Chr:12 D1
1425921_a_at	1810055G02Rik	RIKEN cDNA 1810055G02 gene	0.000101309	9.344322969	8.0708865	2.41736692	Chr:19 A
1423274_at	Ddx26	DEAD/H (Asp-Glu-Ala-Asp/His) box polypept	0.000105996	10.30788708	8.840939418	2.76436413	Chr:3 F2.2
1417419_at	Ccnd1	cyclin D1	0.000106417	9.20372019	7.843802077	2.566706106	Chr:7 72.3 cM
1433899_x_at	Tgfb1i4	transforming growth factor beta 1 induced t	0.000109253	10.50291422	12.50217707	3.997956709	Chr:14 42.0 cM
1424737_at	Thrsp	thyroid hormone responsive SPOT14 homolo	0.000110075	13.5509319	11.87349138	3.198599867	Chr:7 E1
1427911_at	2610307O08Rik	RIKEN cDNA 2610307O08 gene	0.000110384	10.77107388	9.210230506	2.95026261	Chr:18 B2
1428296_at	Tm4sf7	transmembrane 4 superfamily member 7	0.000110764	11.8550407	10.96055153	1.858951551	Chr:7 F5
1417441_at	Jdp1-pending	J domain protein 1	0.000112809	7.205463121	8.242790676	2.052422227	Chr:10 B4
1416926_at	Trp53inp1	transformation related protein 53 inducible r	0.000113974	9.723884529	11.03724797	2.48520255	Chr:4 A1
1433656_a_at	C77032	EST C77032	0.000114419	9.499139393	8.783913823	1.641739888	Chr:14 11.0 cM
1459987_s_at	Cct3	chaperonin subunit 3 (gamma)	0.000114983	10.97845484	9.871436173	2.154000615	Chr:3 50.0 cM
1448138_at	Ppp2r4	protein phosphatase 2A, regulatory subunit	0.000118257	10.32536775	9.353616831	1.961219379	Chr:2 B
1424496_at	5133401N09Rik	RIKEN cDNA 5133401N09 gene	0.000119138	10.70756386	10.06254257	1.563762366	Chr:13 B1
1426777_a_at	Wasl	Wiskott-Aldrich syndrome-like (human)	0.000124332	8.104719576	9.021704671	1.888165331	Chr:6 A3.1
1449009_at	Tgtp	T-cell specific GTPase	0.000128022	13.84561104	12.59621593	2.377417219	Chr:11 B1.2
1423846_x_at	Tuba2	tubulin, alpha 2	0.000128544	13.65678981	12.79261153	1.820302567	Chr:2 84.0 cM
1428374_at	1110017N23Rik	RIKEN cDNA 1110017N23 gene	0.000131035	7.619131267	8.416775286	1.738260156	Chr:9 B
1416868_at	Cdkn2c	cyclin-dependent kinase inhibitor 2C (p18, i	0.000134774	10.88869383	11.77136073	1.843780487	Chr:4 24.7 cM
1452209_at	Pkp4	plakophilin 4	0.000136172	7.584342752	8.931764747	2.544570202	Chr:2 C1.1
1451262_a_at	Jtv1-pending	JTV1 gene	0.000138216	9.612324382	8.90393688	1.633976803	Chr:5 G2
1419609_at	Ccr1	chemokine (C-C motif) receptor 1	0.000138454	8.913185855	7.818182091	2.13613639	Chr:9 71.6 cM
1417292_at	Ifi47	interferon gamma inducible protein	0.000141293	12.31187499	11.04015203	2.414497488	Chr:11 B1.2
1422886_a_at	Clk4	CDC like kinase 4	0.000141322	8.208330861	9.206036609	1.996822019	Chr:11 B1.3
1450914_at	Ppp1r14b	protein phosphatase 1, regulatory (inhibitor	0.00014435	10.80134238	9.606401324	2.28935479	Chr:19 A
1422678_at	Dgat2	diacylglycerol O-acyltransferase 2	0.000144955	9.51972551	12.00347686	5.593500202	Chr:7 E1
1428029_a_at	C530002L11Rik	RIKEN cDNA C530002L11 gene	0.00014742	10.10270394	10.76755778	1.585407654	Chr:11 A1
1456079_x_at	Apex1	apurinic/apyrimidinic endonuclease 1	0.000147844	9.687572536	8.99125654	1.62036182	Chr:14 18.5 cM
1425981_a_at	Rbl2	retinoblastoma-like 2	0.000148596	8.246570748	8.855203802	1.524813772	Chr:8 40.99 cM
1427347_s_at	Tubb2	tubulin, beta 2	0.000149051	10.62503389	9.191643161	2.700807339	Chr:13 16.0 cM
1449143_at	5830458K16Rik	RIKEN cDNA 5830458K16 gene	0.000154104	7.795371642	5.764303386	4.087073693	Chr:16 A1
1422972_s_at	Gcn5l2	general control of amino acid synthesis-like	0.000154655	8.533238831	7.914627404	1.535396673	Chr:11 61.4 cM
1427997_at	1110007M04Rik	RIKEN cDNA 1110007M04 gene	0.000157228	9.509959298	8.290501651	2.32859162	Chr:4 A3
1448184_at	Fkbp1a	FK506 binding protein 1a	0.000159024	11.14371965	10.55487946	1.504037138	Chr:2 G3
1419022_a_at	Eno1	enolase 1, alpha non-neuron	0.000176912	13.64663065	12.81768019	1.776392582	Chr:4 E2
1452679_at	2410129E14Rik	RIKEN cDNA 2410129E14 gene	0.000177841	7.751270628	6.093208625	3.155922994	Chr:13 A3.3
1423136_at	Fgf1	fibroblast growth factor 1	0.000179753	12.14830739	11.23345573	1.885375199	Chr:18 19.0 cM
1426414_a_at	Rnf7	ring finger protein 7	0.000179816	11.42571066	10.44355336	1.975417092	Chr:9 E3.3
1448028_at	C530046L02Rik	RIKEN cDNA C530046L02 gene	0.000181205	5.478590339	6.992408047	2.855647111	Chr:17 A3.3
1436420_a_at	Ipo4	importin 4	0.000183386	9.662187918	8.952499895	1.635450419	Chr:14 20.0 cM
1435865_at	Hist3h2a	histone 3, H2a	0.000186066	10.6358869	11.62978279	1.991555775	---
1423549_at	Slc1a4	solute carrier family 1 (glutamate/neutral ar	0.000186881	7.179409126	4.750786243	5.383792782	Chr:11 10.92 cM
1455179_at	1110068J02Rik	RIKEN cDNA 1110068J02 gene	0.000190446	6.344120992	7.389735216	2.064245019	Chr:18
1422064_a_at	Zfp288	zinc finger protein 288	0.000191715	8.98221606	10.64920996	3.175522287	Chr:16 28.9 cM
1454773_at	---	Mus musculus, clone IMAGE:4981913, mRN	0.000191949	8.271966409	8.921944749	1.569144637	---
1428126_a_at	4921506J03Rik	RIKEN cDNA 4921506J03 gene	0.000192044	7.754491215	8.835617275	2.115686783	Chr:10 D2
1452215_at	9130401M01Rik	RIKEN cDNA 9130401M01 gene	0.000195129	8.737932003	8.032397083	1.630749199	Chr:15 D1
1417135_at	Srpk2	serine/arginine-rich protein specific kinase 2	0.000203174	9.345077834	10.1228434	1.714473455	Chr:5 9.0 cM
1423685_at	Aars	alanyl-tRNA synthetase	0.000203986	10.32813399	9.641665782	1.609338952	Chr:8 E1
1459817_at	---	Mus musculus transcribed sequence	0.000205221	9.698098436	8.656010672	2.059205431	---
1423141_at	Lip1	lysosomal acid lipase 1	0.000207527	8.802987191	9.661486723	1.813151571	Chr:19 C1
1439393_x_at	Ppp2r4	protein phosphatase 2A, regulatory subunit	0.000224052	11.53781909	10.58913444	1.930112112	Chr:2 B