Supplemental Table 3: Genes utilized for the Glomerulus gene set as detailed in the methods.

SUPPLEMENTAL TABLE 3

probeset_ID	symbol	desc	Tubule.logFC	Tubule.adjP	Glomerulus.logFC	Glomerulus.adjP	probeset.1	ID.1	symbol.1	desc.1	Nephritis.logFC	Nephritis.adjP
218898_at	FAM57A	family with sequence similarity 57, member A	0.102564724	0.19444731	0.420567453	1.63E-05	1435076_at	###	Fam57a	family with sequence similarity 57, member A	0.388859731	0.015969059
219694_at	FAM105	family with sequence similarity 105, member A	0.011017424	0.87341589	0.407617176	0.00032168	1435375_at	###	Fam105a	family with sequence similarity 105, member A	0.84738588	0.000126103
220252_x_	CXorf21	chromosome X open reading frame 21	0.093280155	0.1839243	0.512226065	2.58E-05	1430373_at	###	5430427O	RIKEN cDNA 5430427O19 gene	0.749628535	0.002001139
213513_x_	ARPC2	actin related protein 2/3 complex, subunit 2, 34kDa	0.302177861	0.00974793	0.653200461	1.72E-06	1442295_at	###	Arpc2	actin related protein 2/3 complex, subunit 2	0.621210304	0.000229161
203887_s_	THBD	thrombomodulin	-0.2741124	0.07476412	1.172157779	5.97E-05	1448529_at	###	Thbd	thrombomodulin	0.349471339	0.045483127
201998_at	ST6GAL1	ST6 beta-galactosamide alpha-2,6-sialyltranferase 1	0.428753424	0.05481425	0.626080208	0.000361842	1420928_at	###	St6gal1	beta galactoside alpha 2,6 sialyltransferase 1	0.651663741	0.000347707
207691_x_	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	0.251474339	0.04421398	1.17436783	6.76E-06	1453586_at	###	Entpd1	ectonucleoside triphosphate diphosphohydrolase 1	0.549419259	0.000887125
219424_at	EBI3	Epstein-Barr virus induced 3	-0.04336683	0.60388542	0.804415022	0.00142124	1449222_at	###	Ebi3	Epstein-Barr virus induced gene 3	0.544936966	0.000760589
210054_at	HAUS3	HAUS augmin-like complex, subunit 3	0.198853772	0.01054609	0.451380819	0.000174233	1423919_at	###	Haus3	HAUS augmin-like complex, subunit 3	0.480513068	0.003227212
204192_at	CD37	CD37 molecule	0.138705503	0.30085287	0.531363562	0.013908349	1425736_at	###	Cd37	CD37 antigen	0.384046832	0.00176252
209879_at	SELPLG	selectin P ligand	0.269167485	0.03730658	0.663517241	0.015827349	1449127_at	###	Selplg	selectin, platelet (p-selectin) ligand	0.663652171	0.00332126
218308_at	TACC3	transforming, acidic coiled-coil containing protein 3	0.132627784	0.15058342	0.828618251	4.59E-06	1417450_a_	###	Tacc3	transforming, acidic coiled-coil containing protein 3	0.341806952	0.003688026
48531_at	TNIP2	TNFAIP3 interacting protein 2	-0.27998821	0.01025279	0.476132785	2.40E-06	1419488_at	###	Tnip2	TNFAIP3 interacting protein 2	0.395254593	0.005797345
203761_at	SLA	Src-like-adaptor	0.26686641	0.17854395	1.360113056	9.11E-09	1420819_at	###	Sla	src-like adaptor	1.452685647	8.74E-07
205786_s_	ITGAM	integrin, alpha M (complement component 3 receptor 3 subunit)	0.186997827	0.11460823	1.455303219	7.64E-05	1422046_at	###	Itgam	integrin alpha M	1.355115898	0.000322451
206687_s_	PTPN6	protein tyrosine phosphatase, non-receptor type 6	0.051360864	0.4501086	0.791546936	0.001194041	1460188_at	###	Ptpn6	protein tyrosine phosphatase, non-receptor type 6	0.710365977	0.00184022
218802_at	CCDC109B	coiled-coil domain containing 109B	0.17876133	0.11377797	0.530574504	0.022887484	1418778_at	###	Ccdc109b	coiled-coil domain containing 109B	0.718922817	0.000997026
219279_at	DOCK10	dedicator of cytokinesis 10	0.119256004	0.10473414	1.033877694	0.000562775	1435343_at	###	Dock10	dedicator of cytokinesis 10	1.106147216	1.03E-05
203471_s_	PLEK	pleckstrin	0.252592942	0.11468498	2.155507161	4.24E-07	1448749_at	###	Plek	pleckstrin	1.711062593	3.12E-05
202332_at	CSNK1E	casein kinase 1, epsilon	-0.03696768	0.61736304	0.339101951	0.030159741	1417176_at	###	Csnk1e	casein kinase 1, epsilon	0.427329758	0.030611416
202007_at	NID1	nidogen 1	0.268652136	0.08507559	0.88881518	0.000848744	1416808_at	###	Nid1	nidogen 1	0.461437245	0.006390542
205081_at	CRIP1	cysteine-rich protein 1 (intestinal)	0.317556871	0.06040556	1.33726819	2.13E-06	1416326_at	###	Crip1	cysteine-rich protein 1 (intestinal)	0.861824431	0.000271776
212481_s_	TPM4	tropomyosin 4	0.237253104	0.10233242	0.657749692	0.000947873	1433883_at	###	Tpm4	tropomyosin 4	0.691582156	0.000256773
218322_s_	ACSL5	acyl-CoA synthetase long-chain family member 5	0.225215768	0.0176546	0.471391091	0.012543014	1428082_at	###	Acsl5	acyl-CoA synthetase long-chain family member 5	0.395078063	0.007991978
219093_at	PID1	phosphotyrosine interaction domain containing 1	0.107570299	0.29152471	0.626761547	0.00716484	1436999_at	###	Pid1	phosphotyrosine interaction domain containing 1	0.396144949	0.046119858
218130_at	C17orf62	chromosome 17 open reading frame 62	0.273075891	0.00033157	0.377678003	0.01180559	1423678_at	###	BC017643	cDNA sequence BC017643	0.424631148	0.00090711
219183_s_	CYTH4	cytohesin 4	0.016335471	0.87324411	0.992235665	3.54E-06	1460437_at	###	Cyth4	cytohesin 4	1.475774318	1.14E-05
204146_at	RAD51AP	RAD51 associated protein 1	0.104948545	0.03236858	0.503798965	0.001728793	1417938_at	###	Rad51ap1	RAD51 associated protein 1	0.32226247	0.027876783
215925_s_	CD72	CD72 molecule	-0.06234882	0.45211887	0.392346102	0.030707337	1426112_a_	###	Cd72	CD72 antigen	2.050697506	2.16E-05
207677_s_	NCF4	neutrophil cytosolic factor 4, 40kDa	0.122076555	0.16004132	1.088868875	0.00027779	1418465_at	###	Ncf4	neutrophil cytosolic factor 4	1.232932638	2.44E-05
202705_at	CCNB2	cyclin B2	0.175953479	0.08571261	0.354607726	0.016348438	1450920_at	###	Ccnb2	cyclin B2	0.946114304	0.001910659
203665_at	HMOX1	heme oxygenase (decycling) 1	0.050495928	0.85849582	1.030010111	0.001265494	1448239_at	###	Hmox1	heme oxygenase (decycling) 1	1.135670754	0.015179598
201069_at	MMP2	matrix metallopeptidase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	0.119237929	0.19161641	0.42875495	0.003597149	1439364_a_	###	Mmp2	matrix metallopeptidase 2	0.8255959	0.000177554
203438_at	STC2	stanniocalcin 2	-0.21198235	0.10065119	0.401052225	0.041406825	1449484_at	###	Stc2	stanniocalcin 2	0.409101844	0.033821554
206219_s_	VAV1	vav 1 guanine nucleotide exchange factor	-0.01368766	0.85936251	0.741908405	0.002147137	1422932_a_	###	Vav1	vav 1 oncogene	0.607072573	0.003927289
213160_at	DOCK2	dedicator of cytokinesis 2	0.279409732	0.02832002	1.610113847	1.96E-06	1422808_s_	###	Dock2	dedicator of cyto-kinesis 2	0.547213033	0.014976607
205270_s_	LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	0.248057373	0.06497382	1.177693574	8.34E-06	1418641_at	###	Lcp2	lymphocyte cytosolic protein 2	1.45990877	0.000132212
205297_s_	CD79B	CD79b molecule, immunoglobulin-associated beta	-0.03453252	0.68100184	0.511702556	0.013058047	1417640_at	###	Cd79b	CD79B antigen	1.274047486	0.003717289
213733_at	MYO1F	myosin IF	0.054691486	0.46591204	0.618836353	0.00973021	1429525_s_	###	Myo1f	myosin IF	0.678286667	0.006235383
204639_at	ADA	adenosine deaminase	0.118318113	0.25769994	1.118236633	3.54E-06	1417976_at	###	Ada	adenosine deaminase	0.70508672	0.000792461
203175_at	RHOG	ras homolog family member G	-0.06573733	0.41920762	0.646862967	1.91E-06	1422572_at	###	Rhog	ras homolog gene family, member G	0.399605233	0.002222291
202910_s_	CD97	CD97 molecule	0.118471121	0.22499789	1.026827057	0.00161832	1418394_a_	###	Cd97	CD97 antigen	0.474773441	3.64E-05
206991_s_	CCR5	chemokine (C-C motif) receptor 5 (gene/pseudogene)	0.066437918	0.41403574	0.738000141	0.002156572	1424727_at	###	Ccr5	chemokine (C-C motif) receptor 5	2.003807398	1.73E-05
204033_at	TRIP13	thyroid hormone receptor interactor 13	0.043935796	0.56642292	0.341165308	0.008273331	1429295_s_	###	Trip13	thyroid hormone receptor interactor 13	0.534129165	0.00410886
203332_s_	INPP5D	inositol polyphosphate-5-phosphatase, 145kDa	0.039989331	0.65286476	0.683176769	6.86E-05	1418110_a_	###	Inpp5d	inositol polyphosphate-5-phosphatase D	0.667369087	1.09E-06
207165_at	HMMR	hyaluronan-mediated motility receptor (RHAMM)	0.250765934	0.00680923	0.485658162	0.001781561	1450156_a_	###	Hmmr	hyaluronan mediated motility receptor (RHAMM)	0.552901175	0.008586589
203388_at	ARRB2	arrestin, beta 2	-0.06390262	0.32518797	0.422592047	0.000347133	1451987_at	###	Arrb2	arrestin, beta 2	1.037488353	4.51E-06
218181_s_	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4	0.254280179	0.00820393	0.78436937	0.00014556	1422615_at	###	Map4k4	mitogen-activated protein kinase kinase kinase kinase 4	0.646179246	0.00053637
222162_s_	ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motif, 1	0.342613437	0.34479389	1.039574725	0.003843651	1450716_at	###	Adamts1	a disintegrin-like and metalloprotease (reprolysin type) with thromb	1.291288185	0.000949261
203554_x_	PTTG1	pituitary tumor-transforming 1	0.298056886	0.05462328	0.786256203	0.000585825	1424105_a_	###	Pttg1	pituitary tumor-transforming gene 1	0.484766828	0.022542051
206618_at	IL18R1	interleukin 18 receptor 1	0.041868557	0.60388542	0.575844524	0.014313402	1421628_at	###	Il18r1	interleukin 18 receptor 1	0.503146843	0.001613706
202370_s_	CBFB	core-binding factor, beta subunit	0.221810466	0.13606458	0.586915155	0.000196609	1460716_a_	###	Cbfb	core binding factor beta	0.524184525	3.67E-05
202948_at	IL1R1	interleukin 1 receptor, type I	0.154848491	0.42447124	0.509037127	0.005472433	1448950_at	###	Il1r1	interleukin 1 receptor, type I	0.4218885	0.033436078
215346_at	CD40	CD40 molecule, TNF receptor superfamily member 5	0.217654399	0.01256355	0.683920472	0.000167334	1439221_s_	###	Cd40	CD40 antigen	0.586218159	0.003127769
203741_s_	ADCY7	adenylate cyclase 7	0.143952295	0.10863525	1.126146968	2.85E-06	1456307_s_	###	Adcy7	adenylate cyclase 7	1.629097061	1.10E-05
219582_at	OGFRL1	opioid growth factor receptor-like 1	0.131281595	0.02283378	0.32709835	0.008940108	1424413_at	###	Ogfrl1	opioid growth factor receptor-like 1	0.480797042	0.010220971
213988_s_	SAT1	spermidine/spermine N1-acetyltransferase 1	0.000603518	0.99648847	0.490750161	0.030961264	1420502_at	###	Sat1	spermidine/spermine N1-acetyl transferase 1	0.734615165	0.001966373
202207_at	ARL4C	ADP-ribosylation factor-like 4C	0.515627701	0.11513433	0.8367659	0.013170737	1454788_at	###	Arl4c	ADP-ribosylation factor-like 4C	0.691699136	0.000239649
207808_s_	PROS1	protein S (alpha)	0.257890906	0.02891374	0.636967916	2.67E-05	1426246_at	###	Pros1	protein S (alpha)	0.6398322	9.74E-06
221840_at	PTPRE	protein tyrosine phosphatase, receptor type, E	0.262510085	0.07846565	1.360582097	2.00E-05	1418540_a_	###	Ptpre	protein tyrosine phosphatase, receptor type, E	0.651279831	0.000301078
202009_at	TWF2	twinfilin, actin-binding protein, homolog 2 (Drosophila)	-0.12278602	0.2179832	0.358496497	0.007386323	1431292_a_	###	Twf2	twinfilin, actin-binding protein, homolog 2 (Drosophila)	0.511028794	0.004076721
205504_at	BTK	Bruton agammaglobulinemia tyrosine kinase	-0.12492072	0.17815373	0.502239174	0.000621044	1422755_at	###	Btk	Bruton agammaglobulinemia tyrosine kinase	0.499664323	0.004279595
221698_s_	CLEC7A	C-type lectin domain family 7, member A	0.096422606	0.6468558	1.446952656	3.77E-06	1420699_at	###	Clec7a	C-type lectin domain family 7, member a	1.119354533	4.74E-05
207111_at	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	0.011247175	0.88065734	0.537545343	0.006788469	1451161_a_	###	Emr1	EGF-like module containing, mucin-like, hormone receptor-like seque	1.637020915	7.88E-05
209892_at	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	0.12820156	0.13538776	0.37326005	0.019690391	1455843_at	###	Fut4	fucosyltransferase 4	0.382536982	0.013004981

202870_s_ ##	CDC20	cell division cycle 20 homolog (S. cerevisiae)	0.039271999	0.77813765	0.507263987	0.014964356	1439377_x_ ###	Cdc20	cell division cycle 20 homolog (S. cerevisiae)	1.433028259	9.20E-05
218189_s_ ##	NANS	N-acetylneuraminic acid synthase	-0.08407433	0.37251876	0.408115851	0.02120671	1417773_at ###	Nans	N-acetylneuraminic acid synthase (sialic acid synthase)	0.342908232	0.009801395
204135_at ##	FILIP1L	filamin A interacting protein 1-like	-0.3260946	0.15259559	0.681197119	0.007821533	1428861_at ###	Filip1l	filamin A interacting protein 1-like	0.702246469	0.000422576
220146_at ##	TLR7	toll-like receptor 7	0.249982214	0.00188967	0.511311998	0.0008257	1422010_at ###	Tlr7	toll-like receptor 7	0.552423448	0.009422975
204769_s_ ##	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.307022294	0.03014294	0.908648747	3.13E-05	1453913_a_ ###	Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	0.716647372	0.00030354
201189_s_ ##	ITPR3	inositol 1,4,5-trisphosphate receptor, type 3	0.122047847	0.29298059	0.410215926	0.042203281	1417297_at ###	Itpr3	inositol 1,4,5-triphosphate receptor 3	0.417875334	0.010605132
220307_at ##	CD244	CD244 molecule, natural killer cell receptor 2B4	-0.20163588	0.01368023	0.351301517	0.004101577	1449991_at ###	Cd244	CD244 natural killer cell receptor 2B4	0.52198143	0.008204091
209325_s_ ##	RGS16	regulator of G-protein signaling 16	-0.22125197	0.00679999	0.346461763	0.042566966	1426037_a_ ###	Rgs16	regulator of G-protein signaling 16	0.727369875	0.00422558
221060_s_ ##	TLR4	toll-like receptor 4	0.123421588	0.14072465	0.492671488	0.000136478	1418162_at ###	Tlr4	toll-like receptor 4	0.853477323	2.92E-05
206214_at ##	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	0.22564236	0.06877421	1.47571026	0.00029547	1430700_a_ ###	Pla2g7	phospholipase A2, group VII (platelet-activating factor acetylhydrolas	0.828127026	0.000427473
212873_at ##	HMHA1	histocompatibility (minor) HA-1	0.248973525	0.05774405	0.891852394	0.001586382	1428242_at ###	Hmha1	histocompatibility (minor) HA-1	0.638947777	0.000105049
204236_at ##	FLI1	Friend leukemia virus integration 1	0.240420795	0.00967859	1.51268754	6.08E-06	1433512_at ###	Fli1	Friend leukemia integration 1	0.733624107	0.018412196
211013_x_ ##	PML	promyelocytic leukemia	0.185212931	0.0083708	0.391047138	0.00552642	1459137_at ###	Pml	promyelocytic leukemia	0.458773086	0.002012039
216834_at ##	RGS1	regulator of G-protein signaling 1	-0.15859275	0.59831732	1.117231114	0.020317543	1417601_at ###	Rgs1	regulator of G-protein signaling 1	0.954688314	0.000271764
208912_s_ ##	CNP	2',3'-cyclic nucleotide 3' phosphodiesterase	0.303354001	0.00078468	0.483685406	2.43E-06	1437341_x_ ###	Cnp	2',3'-cyclic nucleotide 3' phosphodiesterase	1.094877344	6.78E-06
212543_at ##	AIM1	absent in melanoma 1	0.205817306	0.08965433	0.991477856	3.60E-05	1426942_at ###	Aim1	absent in melanoma 1	0.353588134	0.003568359
212657_s_ ##	IL1RN	interleukin 1 receptor antagonist	-0.00557427	0.95710213	2.120109537	0.000440965	1451798_at ###	Il1rn	interleukin 1 receptor antagonist	0.811591688	0.002406235
204748_at ##	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenas	-0.01303609	0.89208111	0.700454958	0.016888861	1417262_at ###	Ptgs2	prostaglandin-endoperoxide synthase 2	0.515221178	0.001380135
204336_s_ ##	RGS19	regulator of G-protein signaling 19	0.172781311	0.08874589	0.994271832	1.27E-06	1434940_x_ ###	Rgs19	regulator of G-protein signaling 19	0.99156693	0.000584195
218611_at ##	IER5	immediate early response 5	0.232556082	0.21437802	0.913305712	0.004506217	1417612_at ###	Ier5	immediate early response 5	0.589648046	0.000418369
206380_s_ ##	CFP	complement factor properdin	-0.07626529	0.38806099	0.921772002	4.42E-05	1452279_at ###	Cfp	complement factor properdin	1.03888113	5.85E-05
209734_at ##	NCKAP1	NCK-associated protein 1-like	0.088448469	0.40906179	0.898060985	6.43E-06	1428787_at ###	Nckap1l	NCK associated protein 1 like	0.829109322	1.88E-05
219282_s_ ##	TRPV2	transient receptor potential cation channel, subfamily V, member 2	-0.00783922	0.92773648	1.333085283	1.36E-06	1416935_at ###	Trpv2	transient receptor potential cation channel, subfamily V, member 2	0.491990284	0.001710322
206118_at ##	STAT4	signal transducer and activator of transcription 4	-0.06074656	0.49556944	0.459237295	0.040957267	1448713_at ###	Stat4	signal transducer and activator of transcription 4	0.400772545	0.039442522
210845_s_ ##	PLAUR	plasminogen activator, urokinase receptor	-0.35509459	0.00444033	0.668658835	0.02281778	1452521_a_ ###	Plaur	plasminogen activator, urokinase receptor	0.631772351	0.003144623
221521_s_ ##	GINS2	GINS complex subunit 2 (Psf2 homolog)	0.161815469	0.02466051	0.332278156	0.006684647	1452881_at ###	Gins2	GINS complex subunit 2 (Psf2 homolog)	0.474538153	0.012191773
219403_s_ ##	HPSE	heparanase	0.1682417	0.07248248	1.184021641	5.90E-05	1433930_at ###	Hpse	heparanase	0.449165322	0.00138611
218009_s_ ##	PRC1	protein regulator of cytokinesis 1	0.203657416	0.05379066	0.682839655	0.017910799	1423774_a_ ###	Prc1	protein regulator of cytokinesis 1	0.563654311	0.002247013
213915_at ##	NKG7	natural killer cell group 7 sequence	0.228762414	0.08929522	0.880193627	0.001101606	1450753_at ###	Nkg7	natural killer cell group 7 sequence	0.881068076	0.009963508
205119_s_ ##	FPR1	formyl peptide receptor 1	-0.10036542	0.50369138	0.946592084	0.004977368	1450808_at ###	Fpr1	formyl peptide receptor 1	1.081103038	0.000103902
213888_s_ ##	TRAF3IP	TRAF3 interacting protein 3	-0.01362446	0.91892591	1.216165265	0.000589751	1434573_at ###	Traf3ip3	TRAF3 interacting protein 3	0.460777901	0.006824458
203185_at ##	RASSF2	Ras association (RalGDS/AF-6) domain family member 2	0.273096528	0.08702157	1.51950548	2.22E-06	1428392_at ###	Rassf2	Ras association (RalGDS/AF-6) domain family member 2	0.599657723	0.005063773
214770_at ##	MSR1	macrophage scavenger receptor 1	0.313103794	0.00123839	1.11214601	0.000164223	1448061_at ###	Msr1	macrophage scavenger receptor 1	0.823129148	0.001960181
208438_s_ ##	FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	0.036496779	0.68478813	1.510219728	1.28E-07	1442804_at ###	Fgr	Gardner-Rasheed feline sarcoma viral (Fgr) oncogene homolog	0.45140439	0.001159224
218039_at ##	NUSAP1	nucleolar and spindle associated protein 1	0.286164545	0.09850391	0.994954531	0.002831286	1416309_at ###	Nusap1	nucleolar and spindle associated protein 1	0.962100775	0.000235205
209828_s_ ##	IL16	interleukin 16	0.003402907	0.96698166	0.410872909	0.027592866	1417391_a_ ###	Il16	interleukin 16	0.689161092	6.91E-05
212680_x_ ##	PPP1R14	protein phosphatase 1, regulatory (inhibitor) subunit 14B	0.27339202	0.00825368	0.515984078	0.001905898	1450914_at ###	Ppp1r14b	protein phosphatase 1, regulatory (inhibitor) subunit 14B	0.508298437	0.000820303
204440_at ##	CD83	CD83 molecule	-0.61327038	0.00015688	0.560399891	0.035372284	1416111_at ###	Cd83	CD83 antigen	1.059158198	0.000624375
219148_at ##	PBK	PDZ binding kinase	0.255752876	0.04024952	0.387391463	0.013134185	1448627_s_ ###	Pbk	PDZ binding kinase	0.859642295	0.001201412
204197_s_ ##	RUNX3	runt-related transcription factor 3	0.02708103	0.8120793	0.724955894	0.000578644	1440275_at ###	Runx3	runt related transcription factor 3	0.499785285	0.002149152
204924_at ##	TLR2	toll-like receptor 2	0.284792374	0.0088033	1.729820613	6.15E-07	1419132_at ###	Tlr2	toll-like receptor 2	1.05236272	9.46E-06
202647_s_ ##	NRAS	neuroblastoma RAS viral (v-ras) oncogene homolog	0.100150311	0.5716988	0.879801861	5.75E-06	1454060_a_ ###	Nras	neuroblastoma ras oncogene	0.418781274	0.004506024
209685_s_ ##	PRKCB	protein kinase C, beta	0.260104989	0.07544134	1.094275281	0.000285664	1460419_a_ ###	Prkcb	protein kinase C, beta	1.166332141	0.000206054
219033_at ##	PARP8	poly (ADP-ribose) polymerase family, member 8	0.240671429	0.00822206	0.521533538	8.19E-05	1451474_a_ ###	Parp8	poly (ADP-ribose) polymerase family, member 8	0.497905281	0.003440458
203603_s_ ##	ZEB2	zinc finger E-box binding homeobox 2	0.123263599	0.19410248	0.716792438	0.003492085	1422748_at ###	Zeb2	zinc finger E-box binding homeobox 2	0.5649364	0.008203675
217755_at ##	HN1	hematological and neurological expressed 1	0.359891048	0.05815099	0.681675286	3.01E-06	1416028_a_ ###	Hn1	hematological and neurological expressed sequence 1	0.83234572	0.00132043
216250_s_ ##	LPXN	leupaxin	0.305273579	0.02653236	0.999302817	8.35E-05	1424965_at ###	Lpxn	leupaxin	1.337238746	8.59E-05
209124_at ##	MYD88	myeloid differentiation primary response gene (88)	0.281170338	0.00271375	1.047671448	2.54E-08	1419272_at ###	Myd88	myeloid differentiation primary response gene 88	0.498723043	0.000335319
213416_at ##	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	0.05629419	0.65712997	0.854442389	0.002256323	1456498_at ###	Itga4	integrin alpha 4	1.06586079	2.52E-05
204882_at ##	ARHGAP	Rho GTPase activating protein 25	0.129559661	0.34868829	0.849221251	7.96E-06	1437072_at ###	Arhgap25	Rho GTPase activating protein 25	0.641591174	0.000347025
208885_at ##	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	0.150158104	0.28177774	1.766999228	6.70E-07	1415983_at ###	Lcp1	lymphocyte cytosolic protein 1	1.518996226	0.000107962
215136_s_ ##	EXOSC8	exosome component 8	0.243196405	0.01791286	0.605590578	0.000588408	1428291_at ###	Exosc8	exosome component 8	0.325232909	0.01621741
205418_at ##	FES	feline sarcoma oncogene	-0.06165233	0.46590842	0.382159944	0.027575874	1452410_a_ ###	Fes	feline sarcoma oncogene	0.534252914	0.000608796
217986_s_ ##	BAZ1A	bromodomain adjacent to zinc finger domain, 1A	0.203579767	0.17518085	1.016444709	1.43E-05	1433599_at ###	Baz1a	bromodomain adjacent to zinc finger domain 1A	0.910936671	1.91E-05
204923_at ##	SASH3	SAM and SH3 domain containing 3	-0.05265098	0.6195008	0.700182735	0.000349069	1427007_at ###	Sash3	SAM and SH3 domain containing 3	0.751738746	0.000577534
213226_at ##	CCNA2	cyclin A2	0.084113172	0.25513059	0.417863928	0.0005294	1417911_at ###	Ccna2	cyclin A2	0.627908605	0.006374104
220088_at ##	C5AR1	complement component 5a receptor 1	-0.00988933	0.86443999	0.853969896	0.003586353	1439902_at ###	C5ar1	complement component 5a receptor 1	0.735041627	0.003803609
218223_s_ ##	PLEKHO	pleckstrin homology domain containing, family O member 1	0.301659189	0.02449495	0.383466517	0.049771222	1417128_at ###	Plekho1	pleckstrin homology domain containing, family O member 1	0.885291158	8.76E-07
220005_at ##	P2RY13	purinergic receptor P2Y, G-protein coupled, 13	0.156681889	0.11996962	0.839386828	0.000609599	1428700_at ###	P2ry13	purinergic receptor P2Y, G-protein coupled 13	0.360377521	0.025849282
219593_at ##	SLC15A3	solute carrier family 15, member 3	0.153245487	0.12321022	1.156737096	5.10E-05	1420697_at ###	Slc15a3	solute carrier family 15, member 3	1.228332821	0.000201281
210815_s_ ##	CALCRL	calcitonin receptor-like	0.257170497	0.00409793	0.631201669	0.003274092	1425814_a_ ###	Calcrl	calcitonin receptor-like	0.454924253	0.032489035
210605_s_ ##	MFGE8	milk fat globule-EGF factor 8 protein	-0.01957772	0.82693671	0.45319836	0.002754459	1420911_a_ ###	Mfge8	milk fat globule-EGF factor 8 protein	0.352650951	0.020934846
203508_at ##	TNFRSF1	tumor necrosis factor receptor superfamily, member 1B	0.039373564	0.68961067	1.521222275	1.15E-07	1418099_at ###	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	0.571055624	0.000565373
219892_at ##	TM6SF1	transmembrane 6 superfamily member 1	0.226795571	0.0288764	0.875818591	3.10E-05	1424443_at ###	Tm6sf1	transmembrane 6 superfamily member 1	1.199225879	0.001009526
209191_at ##	TUBB6	tubulin, beta 6 class V	0.109655202	0.68902961	0.445333015	0.009549474	1416431_at ###	Tubb6	tubulin, beta 6 class V	0.626543331	0.007337516
202450_s_ ##	CTSK	cathepsin K	0.146831193	0.32789923	0.836145218	8.21E-05	1450652_at ###	Ctsk	cathepsin K	0.633396707	0.002023936
209282_at ##	PRKD2	protein kinase D2	0.252780703	0.02481417	0.445671845	0.03132532	1434333_a_ ###	Prkd2	protein kinase D2	0.365732375	0.013559929
210279_at ##	GPR18	G protein-coupled receptor 18	0.158535178	0.24938973	0.703994126	0.030667341	1439141_at ###	Gpr18	G protein-coupled receptor 18	0.78421824	0.000404512
204285_s_ ##	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	-0.36461398	0.02571222	0.431011007	0.044856954	1418203_at ###	Pmaip1	phorbol-12-myristate-13-acetate-induced protein 1	1.037457222	0.004567641
208949_s_ ##	LGALS3	lectin, galactoside-binding, soluble, 3	-0.13761013	0.31670304	1.014656597	0.000148789	1426808_at ###	Lgals3	lectin, galactose binding, soluble 3	1.194915579	3.30E-05
219725_at ##	TREM2	triggering receptor expressed on myeloid cells 2	0.121899823	0.25627393	0.881449984	0.002731603	1421792_s_ ###	Trem2	triggering receptor expressed on myeloid cells 2	0.359627264	0.003920952
203358_s_ ##	EZH2	enhancer of zeste homolog 2 (Drosophila)	0.01083719	0.87043662	0.429004625	0.002467976	1416544_at ###	Ezh2	enhancer of zeste homolog 2 (Drosophila)	0.459290597	0.004742743
218084_x_ ##	FXYD5	FXYD domain containing ion transport regulator 5	0.200000665	0.14329847	1.070257885	2.24E-06	1418296_at ###	Fxyd5	FXYD domain-containing ion transport regulator 5	0.968018054	4.99E-07
202917_s_ ##	S100A8	S100 calcium binding protein A8	0.639529245	0.22095809	1.205690673	0.017946495	1419394_s_ ###	S100a8	S100 calcium binding protein A8 (calgranulin A)	1.137839831	0.015525261
208374_s_ ##	CAPZA1	capping protein (actin filament) muscle Z-line, alpha 1	0.253760117	0.0199326	1.035701806	5.70E-10	1439455_x_ ###	Capza1	capping protein (actin filament) muscle Z-line, alpha 1	0.613557586	0.002254843
206648_at ##	ZNF571	zinc finger protein 571	0.2000638	0.00449122	0.378549681	0.012483238	1449414_at ###	Zfp53	zinc finger protein 53	0.515976247	0.011045885

Supplemental Table 4: Genes utilized for the Tubulointerstitial gene set as detailed in the methods.

SUPPLEMENTAL TABLE 4

probeset	ID	symbol	desc	Tubule.logFC	Tubule.adjP	Glomerulus.logFC	Glomerulus.adjP	probeset.1	ID.1	symbol.1	desc.1	Nephritis.logFC	Nephritis.adjP
213694_at	54665	RSBN1	round spermatid basic protein 1	0.362297148	0.006000997	-0.821304706	0.004188718	1459981_s_at	229675	Rsbn1	rosbin, round spermatid basic protein 1	0.438567892	0.031821072
201798_s_at	26509	MYOF	myoferlin	1.188045999	1.87E-05	0.300746658	0.167208397	1427318_s_at	226101	Myof	myoferlin	0.773189648	0.004279595
217791_s_at	5832	ALDH18A1	aldehyde dehydrogenase 18 family, member A1	0.414235829	0.000996685	-0.268059599	0.053574591	1437325_x_at	56454	Aldh18a1	aldehyde dehydrogenase 18 family, member A1	1.081268945	9.63E-05
200670_at	7494	XBP1	X-box binding protein 1	0.361980088	0.022010383	0.047182603	0.764035817	1420886_a_at	22433	Xbp1	X-box binding protein 1	0.389688	0.037775116
201020_at	7533	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenas	0.699157078	0.000412767	0.349176513	0.132025985	1416004_at	22629	Ywhah	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase acti	0.548938099	0.004816238
221610_s_at	55620	STAP2	signal transducing adaptor family member 2	0.355041146	0.005450294	-0.121475208	0.604858889	1424148_a_at	106766	Stap2	signal transducing adaptor family member 2	0.692610493	0.010958113
212647_at	6237	RRAS	related RAS viral (r-ras) oncogene homolog	0.647340832	0.000129697	0.047945368	0.773590696	1418448_at	20130	Rras	Harvey rat sarcoma oncogene, subgroup R	0.64880005	0.000870866
207655_s_at	29760	BLNK	B-cell linker	0.974911783	9.25E-07	0.344163722	0.315765005	1451780_at	17060	Blnk	B cell linker	0.620367784	0.000546475
212190_at	5270	SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen ac	1.144499601	2.80E-05	0.537508319	0.16069973	1416666_at	20720	Serpine2	serine (or cysteine) peptidase inhibitor, clade E, member 2	0.873721627	0.000187086
204017_at	11015	KDELR3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein re	0.660575664	0.000742945	0.220283978	0.460359524	1418538_at	105785	Kdelr3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retentic	0.33031651	0.029817172
205047_s_at	440	ASNS	asparagine synthetase (glutamine-hydrolyzing)	0.55691299	0.00153684	0.271792167	0.059457739	1433966_x_at	27053	Asns	asparagine synthetase	1.164069715	0.000157084
203868_s_at	7412	VCAM1	vascular cell adhesion molecule 1	0.92969502	0.00128322	0.32739692	0.188376999	1448162_at	22329	Vcam1	vascular cell adhesion molecule 1	2.131003103	8.24E-06
208782_at	11167	FSTL1	follistatin-like 1	0.959623604	1.71E-05	-0.335761343	0.029813024	1416221_at	14314	Fstl1	follistatin-like 1	0.737923536	0.000341342
217771_at	51280	GOLM1	golgi membrane protein 1	0.394014296	0.006043545	0.261940155	0.205355338	1415698_at	105348	Golm1	golgi membrane protein 1	0.78560723	0.000411236
204319_s_at	6001	RGS10	regulator of G-protein signaling 10	1.147256685	1.35E-05	-0.230489144	0.159663288	1416882_at	67865	Rgs10	regulator of G-protein signalling 10	0.878633268	0.000413981
209030_s_at	23705	CADM1	cell adhesion molecule 1	0.444430578	0.00047078	0.324395311	0.054075384	1417378_at	54725	Cadm1	cell adhesion molecule 1	1.012454787	9.45E-06
216237_s_at	4174	MCM5	minichromosome maintenance complex component 5	0.510224232	0.000813895	0.262966208	0.342754019	1436808_x_at	17218	Mcm5	minichromosome maintenance deficient 5, cell division cycle 4	1.047530401	0.003209407
213503_x_at	302	ANXA2	annexin A2	0.850680352	0.00106559	-0.140031474	0.138288073	1419091_a_at	12306	Anxa2	annexin A2	0.738097147	0.003056597
204237_at	51454	GULP1	GULP, engulfment adaptor PTB domain containing 1	0.345601308	0.001626259	-0.257640719	0.107739471	1434423_at	70676	Gulp1	GULP, engulfment adaptor PTB domain containing 1	0.561231632	0.048517236
202659_at	5699	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10	0.864025659	0.000931393	0.151283992	0.767527716	1448632_at	19171	Psmb10	proteasome (prosome, macropain) subunit, beta type 10	0.998929055	3.64E-05
207016_s_at	8854	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	0.508603298	0.006236138	0.203802842	0.329457023	1422789_at	19378	Aldh1a2	aldehyde dehydrogenase family 1, subfamily A2	0.988752675	0.000628761
210993_s_at	4086	SMAD1	SMAD family member 1	0.699614878	7.34E-07	0.157689415	0.505201307	1459843_s_at	17125	Smad1	MAD homolog 1 (Drosophila)	0.756912815	0.001164941
201923_at	10549	PRDX4	peroxiredoxin 4	0.327128237	0.018339356	0.150845194	0.370730771	1416166_a_at	53381	Prdx4	peroxiredoxin 4	0.536216491	0.025846381
202088_at	25800	SLC39A6	solute carrier family 39 (zinc transporter), member 6	0.712390752	1.89E-05	0.309453958	0.008718834	1424674_at	106957	Slc39a6	solute carrier family 39 (metal ion transporter), member 6	0.639007776	0.005259751
221802_s_at	57698	KIAA1598	KIAA1598	0.485694377	0.001593284	0.146595461	0.40864692	1429055_at	71653	4930506M07Rik	RIKEN cDNA 4930506M07 gene	0.643381157	0.000171956
201930_at	4175	MCM6	minichromosome maintenance complex component 6	0.418505605	0.003937833	-0.509166725	0.004592352	1438852_x_at	17219	Mcm6	minichromosome maintenance deficient 6 (MIS5 homolog, S. p	0.925461275	0.006852243
202075_s_at	5360	PLTP	phospholipid transfer protein	1.229718754	0.006991959	-0.825071396	1.11E-05	1417963_at	18830	Pltp	phospholipid transfer protein	0.761605896	0.010171465
203021_at	6590	SLPI	secretory leukocyte peptidase inhibitor	1.012325042	0.013008689	-0.362373868	0.297548268	1448377_at	20568	Slpi	secretory leukocyte peptidase inhibitor	1.078896632	1.13E-05
201201_at	1476	CSTB	cystatin B (stefin B)	0.582541545	0.002307508	0.20583407	0.402954026	1422506_a_at	13014	Cstb	cystatin B	0.468505897	0.008824639
203892_at	10406	WFDC2	WAP four-disulfide core domain 2	1.208724618	0.000255546	0.224657122	0.553737145	1424351_at	67701	Wfdc2	WAP four-disulfide core domain 2	0.620964919	0.012363558
201555_at	4172	MCM3	minichromosome maintenance complex component 3	0.532974268	6.14E-06	0.09122907	0.507367185	1420028_s_at	17215	Mcm3	minichromosome maintenance deficient 3 (S. cerevisiae)	0.730710073	0.000512231
208858_s_at	23344	ESYT1	extended synaptotagmin-like protein 1	0.431914331	0.005363682	-0.019188588	0.882369252	1451099_at	23943	Esyt1	extended synaptotagmin-like protein 1	0.4954645	0.002505444
200644_at	65108	MARCKSL1	MARCKS-like 1	0.599736145	0.001133213	0.241742278	0.165263794	1437226_x_at	17357	Marcksl1	MARCKS-like 1	1.137348334	1.05E-06
204533_at	3627	CXCL10	chemokine (C-X-C motif) ligand 10	1.16820982	0.004823826	1.159823884	0.052824928	1418930_at	15945	Cxcl10	chemokine (C-X-C motif) ligand 10	1.473897758	0.000881478
201646_at	950	SCARB2	scavenger receptor class B, member 2	0.484824283	0.000879538	0.363034741	0.075210126	1460235_at	12492	Scarb2	scavenger receptor class B, member 2	0.455530969	0.000165497
209016_s_at	3855	KRT7	keratin 7	0.616353075	0.005478225	-0.559615444	0.020106679	1423952_a_at	110310	Krt7	keratin 7	0.621552686	0.003325516
216905_s_at	6768	ST14	suppression of tumorigenicity 14 (colon carcinoma)	0.326936078	0.01328477	0.09840613	0.613078539	1418076_at	19143	St14	suppression of tumorigenicity 14 (colon carcinoma)	0.324389201	0.041838011
203824_at	7103	TSPAN8	tetraspanin 8	0.702588406	0.04709945	-0.168709773	0.614929743	1420018_s_at	216350	Tspan8	tetraspanin 8	0.967544969	0.002962061
201426_s_at	7431	VIM	vimentin	1.140734287	0.000128674	-0.072668247	0.544368017	1456292_a_at	22352	Vim	vimentin	1.323614273	8.46E-06
209118_s_at	7846	TUBA1A	tubulin, alpha 1a	0.668854671	0.048575247	0.297132978	0.161221149	1418884_x_at	22142	Tuba1a	tubulin, alpha 1A	0.808563626	0.001359716
203476_at	7162	TPBG	trophoblast glycoprotein	0.686380452	0.000543904	-0.208700712	0.264591698	1423311_s_at	21983	Tpbg	trophoblast glycoprotein	0.327191289	0.041044826
212320_at	203068	TUBB	tubulin, beta class I	0.362465472	0.005012184	0.063824341	0.678922515	1416256_a_at	22154	Tubb5	tubulin, beta 5 class I	0.706989128	7.12E-05
212609_s_at	10000	AKT3	v-akt murine thymoma viral oncogene homolog 3 (protei	0.48742525	0.000519446	-0.18372828	0.291592248	1435879_at	23797	Akt3	thymoma viral proto-oncogene 3	0.329115732	0.001010228
201650_at	3880	KRT19	keratin 19	0.640501344	0.015926837	-0.421598867	0.451723543	1417156_at	16669	Krt19	keratin 19	0.759270987	0.004766906
212592_at	3512	IGJ	immunoglobulin J polypeptide, linker protein for immunc	1.513685539	0.005054426	0.633298119	0.223692134	1424305_at	16069	Igj	immunoglobulin joining chain	1.698862241	7.35E-05
202310_s_at	1277	COL1A1	collagen, type I, alpha 1	0.54777558	0.014929857	0.271420943	0.049888575	1423669_at	12842	Col1a1	collagen, type I, alpha 1	1.304987481	0.006376809
201645_at	3371	TNC	tenascin C	1.293460249	0.000286718	0.454701886	0.189331112	1416342_at	21923	Tnc	tenascin C	0.760470362	0.000754575
221766_s_at	55603	FAM46A	family with sequence similarity 46, member A	0.457088566	0.001037906	0.245447916	0.293003029	1437868_at	212943	Fam46a	family with sequence similarity 46, member A	0.951807301	9.41E-05
202006_at	5782	PTPN12	protein tyrosine phosphatase, non-receptor type 12	0.445447903	0.000623721	0.321226345	0.120195523	1422045_a_at	19248	Ptpn12	protein tyrosine phosphatase, non-receptor type 12	0.491337467	0.032739874
203281_s_at	7318	UBA7	ubiquitin-like modifier activating enzyme 7	0.419162371	5.90E-05	0.360279958	0.250161567	1426971_at	74153	Uba7	ubiquitin-like modifier activating enzyme 7	0.673410913	0.003299275
218854_at	29940	DSE	dermatan sulfate epimerase	0.808304065	0.001167149	0.283196239	0.036972861	1455795_at	212898	Dse	dermatan sulfate epimerase	0.655991272	0.003588369
201084_s_at	9774	BCLAF1	BCL2-associated transcription factor 1	0.375895689	0.002161835	0.074257327	0.614822959	1428844_a_at	72567	Bclaf1	BCL2-associated transcription factor 1	0.44117746	0.001832799
212829_at	5305	PIP4K2A	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	0.386989278	0.005221681	0.40667471	0.081570678	1419279_at	18718	Pip4k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	0.751302411	0.000148829
202437_s_at	1545	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1	0.847370835	0.007458163	-0.16398023	0.64027776	1416612_at	13078	Cyp1b1	cytochrome P450, family 1, subfamily b, polypeptide 1	0.739547393	0.000256773
202727_s_at	3459	IFNGR1	interferon gamma receptor 1	0.563306313	0.000154575	0.401875399	0.054863212	1448167_at	15979	Ifngr1	interferon gamma receptor 1	0.631535918	0.000862287
213094_at	57211	GPR126	G protein-coupled receptor 126	0.408424996	0.01912999	-0.194416803	0.508205312	1437409_s_at	215798	Gpr126	G protein-coupled receptor 126	0.597794685	0.000831094
219004_s_at	54069	MIS18A	MIS18 kinetochore protein homolog A (S. pombe)	0.379578536	0.00053202	0.10539095	0.368779311	1453314_x_at	66578	2610039C10Rik	RIKEN cDNA 2610039C10 gene	0.67746601	5.28E-05
203570_at	4016	LOXL1	lysyl oxidase-like 1	1.062376161	2.59E-05	-0.267145251	0.266218177	1451978_at	16949	Loxl1	lysyl oxidase-like 1	0.482703269	0.012596242
209369_at	306	ANXA3	annexin A3	0.818927539	0.001195069	0.138987399	0.679829252	1460330_at	11745	Anxa3	annexin A3	1.364692489	0.000201281
203256_at	1001	CDH3	cadherin 3, type 1, P-cadherin (placental)	0.405987598	0.002744612	0.051221821	0.773355698	1426673_at	12560	Cdh3	cadherin 3	0.433357961	0.039252077
200999_s_at	10970	CKAP4	cytoskeleton-associated protein 4	0.458789648	0.001214107	-0.038469737	0.88878665	1426755_at	216197	Ckap4	cytoskeleton-associated protein 4	0.559900717	0.005490609
204671_s_at	22881	ANKRD6	ankyrin repeat domain 6	0.474864591	0.000227428	0.2787802	0.03234028	1437217_at	140577	Ankrd6	ankyrin repeat domain 6	0.753822272	0.000247424
203083_at	7058	THBS2	thrombospondin 2	0.531334149	0.006898721	0.391084416	0.050373371	1422571_at	21826	Thbs2	thrombospondin 2	0.749014097	0.003261948
209417_s_at	3430	IFI35	interferon-induced protein 35	1.170262031	6.42E-06	0.878565535	0.081284009	1445897_s_at	70110	Ifi35	interferon-induced protein 35	1.008320517	3.64E-05
218518_at	51306	FAM13B	family with sequence similarity 13, member B	0.720586452	2.23E-06	-0.280383205	0.169600859	1442897_at	225358	Fam13b	family with sequence similarity 13, member B	0.344119855	0.034509209

202686_s_at	558	AXL	AXL receptor tyrosine kinase	1.107901663	5.94E-05	0.25595041	0.282979823	1423586_at	26362	Axl	AXL receptor tyrosine kinase	0.706254948	0.000698588
201012_at	301	ANXA1	annexin A1	1.046079962	0.001246234	0.312901247	0.160874581	1448213_at	16952	Anxa1	annexin A1	1.291820701	3.25E-05
213693_s_at	4582	MUC1	mucin 1, cell surface associated	0.397271111	0.018212714	-0.524522259	0.081460215	1449199_at	17829	Muc1	mucin 1, transmembrane	0.347763956	0.012415601
201761_at	10797	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ depe	0.658323235	0.008509896	-0.227353351	0.246833999	1419254_at	17768	Mthfd2	methylenetetrahydrofolate dehydrogenase (NAD+ dependent)	0.826868886	2.30E-05
215111_s_at	8848	TSC22D1	TSC22 domain family, member 1	0.327632549	0.003430629	0.11571199	0.378554526	1454758_a_at	21807	Tsc22d1	TSC22 domain family, member 1	0.785727548	0.007986487
218404_at	29887	SNX10	sorting nexin 10	0.35705976	0.03694944	0.265921192	0.209724091	1431055_a_at	71982	Snx10	sorting nexin 10	0.383835415	0.010958113
212509_s_at	439921	MXRA7	matrix-remodelling associated 7	0.381342237	0.014553663	-0.128025524	0.310204908	1440975_at	67622	Mxra7	matrix-remodelling associated 7	0.708775586	0.00128744
217733_s_at	9168	TMSB10	thymosin beta 10	0.852586491	0.000428168	0.333603514	0.191048593	1436902_x_at	19240	Tmsb10	thymosin, beta 10	1.508928909	2.30E-05
205831_at	914	CD2	CD2 molecule	0.515638321	0.005928875	0.41507187	0.226366846	1418770_at	12481	Cd2	CD2 antigen	0.667975038	0.007619104
203989_x_at	2149	F2R	coagulation factor II (thrombin) receptor	0.653138212	0.000116005	0.102629849	0.620950502	1437308_s_at	14062	F2r	coagulation factor II (thrombin) receptor	1.412313882	4.53E-05
201202_at	5111	PCNA	proliferating cell nuclear antigen	0.353203927	0.001594636	0.317061922	0.001313418	1417947_at	18538	Pcna	proliferating cell nuclear antigen	0.439967478	0.002597859
203186_s_at	6275	S100A4	S100 calcium binding protein A4	0.717578719	0.000370629	0.499245693	0.136794126	1424542_at	20198	S100a4	S100 calcium binding protein A4	1.334282492	3.83E-05
205308_at	51101	ZC2HC1A	zinc finger, C2HC-type containing 1A	0.334137467	0.000555483	-0.295081294	0.056651269	1428417_at	67306	Fam164a	family with sequence similarity 164, member A	0.471935793	0.036062344
218158_s_at	26060	APPL1	adaptor protein, phosphotyrosine interaction, PH domair	0.336250353	0.015076198	0.171298071	0.142998458	1427190_at	72993	Appl1	adaptor protein, phosphotyrosine interaction, PH domain and l	0.436733963	0.003868917
218348_s_at	29066	ZC3H7A	zinc finger CCCH-type containing 7A	0.497377824	1.99E-06	-0.152311612	0.363770582	1419898_s_at	106205	Zc3h7a	zinc finger CCCH type containing 7 A	0.490648725	0.001249099
201850_at	822	CAPG	capping protein (actin filament), gelsolin-like	0.57127063	0.002374094	0.534972887	0.086949687	1450355_a_at	12332	Capg	capping protein (actin filament), gelsolin-like	0.509808664	0.009211796
205729_at	9180	OSMR	oncostatin M receptor	0.403485585	0.017186012	0.176846326	0.351712626	1418674_at	18414	Osmr	oncostatin M receptor	1.718203674	1.98E-05
209264_s_at	7106	TSPAN4	tetraspanin 4	0.547077073	8.54E-05	-0.536017737	0.259715748	1448276_at	64540	Tspan4	tetraspanin 4	0.663744141	0.004369249
212483_at	25836	NIPBL	Nipped-B homolog (Drosophila)	0.491186296	6.13E-06	0.071228881	0.674272822	1442103_at	71175	Nipbl	Nipped-B homolog (Drosophila)	0.358104762	0.025846381
217857_s_at	9939	RBM8A	RNA binding motif protein 8A	0.338187366	4.42E-05	-0.273490477	0.24421223	1418119_at	60365	Rbm8a	RNA binding motif protein 8a	0.333529709	0.019382194
218656_s_at	10186	LHFP	lipoma HMGIC fusion partner	0.997680387	0.00027612	0.251989983	0.101881066	1433776_at	108927	Lhfp	lipoma HMGIC fusion partner	0.468798347	0.013655943
209536_s_at	30844	EHD4	EH-domain containing 4	0.350246703	0.012999903	-0.807946493	0.001716907	1449852_a_at	98878	Ehd4	EH-domain containing 4	0.365628698	0.003886759
206641_at	608	TNFRSF17	tumor necrosis factor receptor superfamily, member 17	0.572877789	0.047054122	0.29677002	0.270415881	1420782_at	21935	Tnfrsf17	tumor necrosis factor receptor superfamily, member 17	0.519171089	0.02389328
218248_at	63901	FAM111A	family with sequence similarity 111, member A	0.398227184	2.80E-05	0.207299219	0.05940958	1422628_at	107373	Fam111a	family with sequence similarity 111, member A	0.913192803	3.90E-05
213506_at	2150	F2RL1	coagulation factor II (thrombin) receptor-like 1	0.543999713	0.000922298	-0.626478557	0.077659104	1448931_at	14063	F2rl1	coagulation factor II (thrombin) receptor-like 1	0.601323276	0.012239755
217728_at	6277	S100A6	S100 calcium binding protein A6	0.519652155	0.001142381	-0.771804757	0.039120668	1421375_a_at	20200	S100a6	S100 calcium binding protein A6 (calcyclin)	1.171789567	5.15E-05
212418_at	1997	ELF1	E74-like factor 1 (ets domain transcription factor)	0.514876462	0.000169038	0.102960857	0.6080677	1417540_at	13709	Elf1	E74-like factor 1	0.428876689	0.009110136
201136_at	5355	PLP2	proteolipid protein 2 (colonic epithelium-enriched)	0.581499179	0.005093135	0.250348711	0.070983529	1453572_a_at	18824	Plp2	proteolipid protein 2	0.811454873	0.000530015
211963_s_at	10092	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa	0.40477492	0.001114696	0.297035911	0.009204486	1448129_at	67771	Arpc5	actin related protein 2/3 complex, subunit 5	0.445857127	0.001623462
211122_s_at	6373	CXCL11	chemokine (C-X-C motif) ligand 11	0.354882228	0.023468337	0.195142413	0.419403614	1419697_at	56066	Cxcl11	chemokine (C-X-C motif) ligand 11	0.777225484	0.018168872
209436_at	10418	SPON1	spondin 1, extracellular matrix protein	0.612781415	0.023348307	0.111682358	0.538955733	1451342_at	233744	Spon1	spondin 1, (f-spondin) extracellular matrix protein	0.74047458	9.74E-06

Supplemental Table 5: Genes utilized for the Glomerulus & Tubulointerstitial gene set as detailed in the methods.

SUPPLEMENTAL TABLE 5

probeset	ID	symbol	desc	Tubule.logFC	Tubule.adjP	Glomerulus.logFC	Glomerulus.adjP	probeset.1	ID.1	symbol.1	desc.1	Nephritis.logFC	Nephritis.adjP
202503_s_at	9768	KIAA0101	KIAA0101	1.033247219	0.001272198	0.726121324	0.000149622	1419153_at	68026	2810417H13Rik	RIKEN cDNA 2810417H13 gene	1.005200802	0.001998177
202391_at	10409	BASP1	brain abundant, membrane attached signal protein 1	0.689964881	0.00086224	1.257020501	0.000716405	1428572_at	70350	Basp1	brain abundant, membrane attached signal protein 1	1.330565349	0.00017602
202145_at	4061	LY6E	lymphocyte antigen 6 complex, locus E	0.894923044	0.000125281	1.106215155	0.000375245	1453304_s_at	17069	Ly6e	lymphocyte antigen 6 complex, locus E	1.467196012	1.43E-05
212646_at	23180	RFTN1	raftlin, lipid raft linker 1	0.817834263	1.84E-05	0.759464382	3.68E-06	1428696_at	76438	Rftn1	raftlin lipid raft linker 1	0.470587144	0.000362846
217502_at	3433	IFIT2	interferon-induced protein with tetratricopeptide repeats 2	1.117007117	7.71E-07	1.272635391	2.62E-05	1418293_at	15958	Ifit2	interferon-induced protein with tetratricopeptide repeats 2	0.958444463	0.000457131
204912_at	3587	IL10RA	interleukin 10 receptor, alpha	0.463367325	0.006558181	2.090412381	4.10E-08	1448731_at	16154	Il10ra	interleukin 10 receptor, alpha	0.627236366	0.00024469
218943_s_at	23586	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	1.501567077	1.60E-06	1.751834707	7.90E-07	1436562_at	230073	Ddx58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	0.484759006	0.006158649
218729_at	56925	LXN	latexin	0.501814445	0.00010536	0.588377412	0.004692428	1416503_at	17035	Lxn	latexin	0.856077185	3.86E-05
206271_at	7098	TLR3	toll-like receptor 3	1.036188736	1.92E-07	0.551792447	0.004951147	1422782_s_at	142980	Tlr3	toll-like receptor 3	0.388594673	0.003144623
201664_at	10051	SMC4	structural maintenance of chromosomes 4	0.514176238	8.18E-06	0.60561335	0.000130283	1427275_at	70099	Smc4	structural maintenance of chromosomes 4	0.57961406	0.020833428
211719_x_at	2335	FN1	fibronectin 1	1.736356433	8.18E-08	2.836749051	1.50E-07	1426642_at	14268	Fn1	fibronectin 1	0.912943017	0.002081531
216202_s_at	9517	SPTLC2	serine palmitoyltransferase, long chain base subunit 2	0.440217801	0.002416638	0.536455266	0.023858476	1460243_at	20773	Sptlc2	serine palmitoyltransferase, long chain base subunit 2	0.682824667	0.005920936
219684_at	64108	RTP4	receptor (chemosensory) transporter protein 4	1.610122992	8.18E-08	1.59461357	7.97E-07	1418580_at	67775	Rtp4	receptor transporter protein 4	1.521883669	2.04E-05
204026_s_at	11130	ZWINT	ZW10 interactor	0.479488426	0.01206264	0.521002604	0.001781596	1427539_a_at	52696	Zwint	ZW10 interactor	0.919061465	0.000949261
203416_at	963	CD53	CD53 molecule	1.189080494	0.000160485	2.791423406	5.54E-10	1448617_at	12508	Cd53	CD53 antigen	2.174374794	1.96E-06
209083_at	11151	CORO1A	coronin, actin binding protein, 1A	0.53898156	0.013364791	1.840192975	6.37E-07	1455269_a_at	12721	Coro1a	coronin, actin binding protein 1A	2.089094378	9.45E-06
202878_s_at	22918	CD93	CD93 molecule	0.586338039	0.003744562	1.16168689	1.69E-05	1419589_at	17064	Cd93	CD93 antigen	0.711739654	0.000206054
218986_s_at	55601	DDX60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	1.9199959	1.13E-09	1.013577472	1.47E-05	1451777_at	234311	Ddx60	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	0.583113208	0.016915806
203964_at	9111	NMI	N-myc (and STAT) interactor	1.478718957	1.15E-08	1.694297777	8.83E-11	1425719_a_at	64685	Nmi	N-myc (and STAT) interactor	0.715465192	0.000542228
213170_at	2882	GPX7	glutathione peroxidase 7	0.691466626	2.35E-05	0.373371732	0.023426907	1417836_at	67305	Gpx7	glutathione peroxidase 7	0.335749862	0.031166114
205898_at	1524	CX3CR1	chemokine (C-X3-C motif) receptor 1	0.983423579	0.000486426	2.19102466	3.20E-07	1450020_at	13051	Cx3cr1	chemokine (C-X3-C) receptor 1	1.163768513	0.000418984
214467_at	8477	GPR65	G protein-coupled receptor 65	0.40371404	0.002311787	1.698215001	1.28E-06	1449175_at	14744	Gpr65	G-protein coupled receptor 65	1.197675361	0.001135294
206102_at	9837	GINS1	GINS complex subunit 1 (Psf1 homolog)	0.458115711	0.000645044	0.532552001	0.007051241	1452598_at	69270	Gins1	GINS complex subunit 1 (Psf1 homolog)	0.385077673	0.003227899
202404_s_at	1278	COL1A2	collagen, type I, alpha 2	1.231889012	0.000224654	2.536933743	2.70E-07	1423110_at	12843	Col1a2	collagen, type I, alpha 2	1.210652381	0.001542622
208998_at	7351	UCP2	uncoupling protein 2 (mitochondrial, proton carrier)	0.699468781	0.007255159	1.982475229	1.54E-08	1459740_s_at	22228	Ucp2	uncoupling protein 2 (mitochondrial, proton carrier)	0.866093431	0.002100585
208018_s_at	3055	HCK	hemopoietic cell kinase	0.494346473	0.005117471	2.670998803	7.74E-10	1449455_at	15162	Hck	hemopoietic cell kinase	1.707258182	1.50E-05
204567_s_at	9619	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	1.034487242	0.000454568	1.017012209	0.000216272	1423570_at	11307	Abcg1	ATP-binding cassette, sub-family G (WHITE), member 1	0.526093789	0.000801275
211967_at	114908	TMEM123	transmembrane protein 123	0.54492663	0.001856035	0.518080858	1.92E-05	1417222_a_at	71929	Tmem123	transmembrane protein 123	0.58234419	0.015029597
211368_s_at	834	CASP1	caspase 1, apoptosis-related cysteine peptidase	1.317621586	7.98E-06	1.950132948	6.06E-11	1449265_at	12362	Casp1	caspase 1	0.819601461	0.000609822
205660_at	8638	OASL	2'-5'-oligoadenylate synthetase-like	0.370260452	0.024624139	1.434661863	1.43E-05	1424339_at	231655	Oasl1	2'-5' oligoadenylate synthetase-like 1	0.721941033	0.001754917
209906_at	719	C3AR1	complement component 3a receptor 1	0.509291919	0.006416373	2.500750367	2.36E-09	1442082_at	12267	C3ar1	complement component 3a receptor 1	1.613732902	1.88E-05
207181_s_at	840	CASP7	caspase 7, apoptosis-related cysteine peptidase	0.328468479	0.001757388	0.763948038	3.19E-07	1448659_at	12369	Casp7	caspase 7	0.367217432	0.005939696
213603_s_at	5880	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small G	0.563893159	0.01523435	1.740257169	1.72E-06	1417620_at	19354	Rac2	RAS-related C3 botulinum substrate 2	1.159199965	0.000358448
201105_at	3956	LGALS1	lectin, galactoside-binding, soluble, 1	1.08399531	2.82E-05	0.657466942	0.001616235	1455439_a_at	16852	Lgals1	lectin, galactose binding, soluble 1	0.730296568	0.000588621
203729_at	2014	EMP3	epithelial membrane protein 3	0.828875098	4.62E-05	1.363630835	1.31E-07	1417104_at	13732	Emp3	epithelial membrane protein 3	0.80948604	0.000201281
202957_at	3059	HCLS1	hematopoietic cell-specific Lyn substrate 1	1.025933519	0.000696547	2.114744036	3.22E-10	1418842_at	15163	Hcls1	hematopoietic cell specific Lyn substrate 1	1.177033578	2.03E-05
210895_s_at	942	CD86	CD86 molecule	0.546282557	0.008909304	1.487664385	1.10E-05	1449858_at	12524	Cd86	CD86 antigen	0.712427818	0.001893034
203922_s_at	1536	CYBB	cytochrome b-245, beta polypeptide	0.666253166	0.002322846	2.145561029	8.36E-10	1436778_at	13058	Cybb	cytochrome b-245, beta polypeptide	1.884636833	6.88E-07
204972_at	4939	OAS2	2'-5'-oligoadenylate synthetase 2, 69/71kDa	0.83902985	0.00052798	2.504866028	2.74E-11	1425065_at	246728	Oas2	2'-5' oligoadenylate synthetase 2	0.415148936	0.007010156
219209_at	64135	IFIH1	interferon induced with helicase C domain 1	1.676093171	5.97E-09	2.125691229	4.30E-10	1426276_at	71586	Ifih1	interferon induced with helicase C domain 1	0.884067897	4.49E-05
202157_s_at	10659	CELF2	CUGBP, Elav-like family member 2	0.418482831	0.045475348	1.219559043	3.99E-06	1451154_a_at	14007	Celf2	CUGBP, Elav-like family member 2	0.820433874	0.001541956
220330_s_at	64092	SAMSN1	SAM domain, SH3 domain and nuclear localization signals 1	0.639018483	0.002727143	1.792359086	1.71E-05	1421457_a_at	67742	Samsn1	SAM domain, SH3 domain and nuclear localization signals, 1	0.666287478	0.000647509
203300_x_at	8905	AP1S2	adaptor-related protein complex 1, sigma 2 subunit	0.590657112	0.000616859	0.787891857	2.48E-05	1447903_x_at	108012	Ap1s2	adaptor-related protein complex 1, sigma 2 subunit	1.361659965	6.78E-06
209606_at	9595	CYTIP	cytohesin 1 interacting protein	0.382413844	0.037865917	1.701695796	4.89E-06	1435697_a_at	227929	Cytip	cytohesin 1 interacting protein	0.53176374	0.005827295
201288_at	397	ARHGDIB	Rho GDP dissociation inhibitor (GDI) beta	1.028868546	7.58E-05	0.962066895	4.74E-06	1426454_at	11857	Arhgdib	Rho, GDP dissociation inhibitor (GDI) beta	0.937051038	9.86E-06
206978_at	729230	CCR2	chemokine (C-C motif) receptor 2	0.606782517	0.03428169	1.062945955	0.006838457	1421186_at	12772	Ccr2	chemokine (C-C motif) receptor 2	1.410830301	0.000119611
210176_at	7096	TLR1	toll-like receptor 1	0.456610967	0.001267345	1.556174456	1.45E-06	1449049_at	21897	Tlr1	toll-like receptor 1	1.083811203	0.000157084
217028_at	7852	CXCR4	chemokine (C-X-C motif) receptor 4	1.117790331	0.002107233	2.330546537	9.82E-07	1448710_at	12767	Cxcr4	chemokine (C-X-C motif) receptor 4	1.261516562	6.84E-05
211075_s_at	961	CD47	CD47 molecule	0.911820305	2.77E-05	0.378354097	0.016102393	1449507_a_at	16423	Cd47	CD47 antigen (Rh-related antigen, integrin-associated signal tr	0.565250355	0.000689511
208659_at	1192	CLIC1	chloride intracellular channel 1	0.322251903	0.019641127	0.400306103	0.007603799	1416656_at	114584	Clic1	chloride intracellular channel 1	0.706649826	0.00096816
53720_at	55337	C19orf66	chromosome 19 open reading frame 66	0.436532945	0.000599255	0.931586625	4.18E-06	1435193_at	319278	A230050P20Rik	RIKEN cDNA A230050P20 gene	0.337503407	0.010039671
214181_x_at	7940	LST1	leukocyte specific transcript 1	0.683297816	0.001084533	1.431512312	4.74E-06	1425548_a_at	16988	Lst1	leukocyte specific transcript 1	1.120611771	0.000862287
203148_s_at	9830	TRIM14	tripartite motif containing 14	0.798671558	3.45E-05	1.548394824	6.78E-11	1436199_at	74735	Trim14	tripartite motif-containing 14	0.605847916	0.000418369
217764_s_at	11031	RAB31	RAB31, member RAS oncogene family	0.708636786	0.003897757	0.481167729	0.002175088	1416165_at	106572	Rab31	RAB31, member RAS oncogene family	0.781469299	9.89E-05
202291_s_at	4256	MGP	matrix Gla protein	0.699242486	0.005497165	0.568213128	0.001858371	1448416_at	17313	Mgp	matrix Gla protein	1.272836621	0.000155705
215076_s_at	1281	COL3A1	collagen, type III, alpha 1	2.230793274	7.01E-06	1.469854282	1.74E-06	1427883_a_at	12825	Col3a1	collagen, type III, alpha 1	1.08991293	0.014079288
213294_at	5610	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	1.592420737	2.26E-08	1.532529865	5.75E-10	1440866_at	19106	Eif2ak2	eukaryotic translation initiation factor 2-alpha kinase 2	0.636423581	0.002016212
201721_s_at	7805	LAPTM5	lysosomal protein transmembrane 5	1.29817915	0.000127775	1.631068591	0.002337443	1436905_x_at	16792	Laptm5	lysosomal-associated protein transmembrane 5	2.413377236	2.56E-06
204118_at	962	CD48	CD48 molecule	0.516892568	0.035251695	1.52423906	2.89E-07	1427301_at	12506	Cd48	CD48 antigen	1.994478341	3.69E-05
204834_at	10875	FGL2	fibrinogen-like 2	1.175047375	1.95E-06	1.554486369	2.19E-10	1421855_at	14190	Fgl2	fibrinogen-like protein 2	1.659076566	0.000616557
204232_at	2207	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypep	0.75603577	0.001195732	2.298638847	1.01E-08	1418340_at	14127	Fcer1g	Fc receptor, IgE, high affinity I, gamma polypeptide	1.571610716	6.49E-06
203636_at	4281	MID1	midline 1 (Opitz/BBB syndrome)	0.620151329	1.95E-05	0.696708366	8.46E-05	1438239_at	17318	Mid1	midline 1	0.40642414	0.006030025
204774_at	2123	EVI2A	ecotropic viral integration site 2A	0.707506428	0.006431786	1.75080013	1.27E-05	1450241_a_at	14017	Evi2a	ecotropic viral integration site 2a	1.604465776	6.86E-05
209949_at	4688	NCF2	neutrophil cytosolic factor 2	0.402907894	0.019341233	2.074410804	8.13E-06	1448561_at	17970	Ncf2	neutrophil cytosolic factor 2	0.459926863	0.001219043
205474_at	51379	CRLF3	cytokine receptor-like factor 3	0.45242202	0.000420101	0.736276499	0.000116239	1460338_a_at	54394	Crlf3	cytokine receptor-like factor 3	0.35494938	0.007130035

210145_at	5321	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium-dependent)	0.330494845	0.023568267	0.990073835	1.16E-05	1448558_a_at	18783	Pla2g4a	phospholipase A2, group IVA (cytosolic, calcium-dependent)	0.493991924	0.039001185
210139_s_at	5376	PMP22	peripheral myelin protein 22	0.49032495	0.003867465	0.814009068	0.000489124	1417133_at	18858	Pmp22	peripheral myelin protein 22	0.358859056	0.006231507
217967_s_at	116496	FAM129A	family with sequence similarity 129, member A	0.400536265	0.01139265	1.455931736	6.22E-06	1422567_at	63913	Fam129a	family with sequence similarity 129, member A	0.891709174	0.000759377
203302_at	1633	DCK	deoxycytidine kinase	0.587073928	0.000489593	0.600956026	0.000349568	1439012_a_at	13178	Dck	deoxycytidine kinase	1.975702953	3.20E-06
212588_at	5788	PTPRC	protein tyrosine phosphatase, receptor type, C	0.922236101	0.000742291	2.847385019	2.56E-08	1422124_a_at	19264	Ptprc	protein tyrosine phosphatase, receptor type, C	2.163952025	1.98E-05
209040_s_at	5696	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large	1.49416935	8.64E-07	0.634003831	0.014963873	1422962_a_at	16913	Psmb8	proteasome (prosome, macropain) subunit, beta type 8 (large	1.642418923	6.43E-06
213000_at	23515	MORC3	MORC family CW-type zinc finger 3	0.3289568	0.001217287	0.376334339	0.006576421	1452224_at	338467	Morc3	microrchidia 3	0.49633989	0.0041443
201666_at	7076	TIMP1	TIMP metallopeptidase inhibitor 1	1.479077592	8.38E-05	0.69010252	0.000383751	1460227_at	21857	Timp1	tissue inhibitor of metalloproteinase 1	1.521192356	0.000139494
201291_s_at	7153	TOP2A	topoisomerase (DNA) II alpha 170kDa	0.374159725	0.034523549	0.518378137	0.017365714	1454694_a_at	21973	Top2a	topoisomerase (DNA) II alpha	1.366412765	0.000293248
217478_s_at	3108	HLA-DMA	major histocompatibility complex, class II, DM alpha	1.247654178	4.57E-05	0.841404994	2.32E-06	1422527_at	14998	H2-DMa	histocompatibility 2, class II, locus DMa	1.302833645	2.39E-06
206133_at	54739	XAF1	XIAP associated factor 1	1.763271242	2.16E-07	2.255568594	3.61E-09	1443698_at	327959	Xaf1	XIAP associated factor 1	0.876047066	0.001064845
204279_at	5698	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large	1.863176644	4.12E-07	1.303677722	4.29E-09	1450696_at	16912	Psmb9	proteasome (prosome, macropain) subunit, beta type 9 (large	1.239969768	0.001093188
201719_s_at	2037	EPB41L2	erythrocyte membrane protein band 4.1-like 2	0.695376153	5.78E-06	0.942824955	3.70E-06	1459619_at	13822	Epb4.1l2	erythrocyte protein band 4.1-like 2	0.396478708	0.015445245
204222_s_at	11010	GLIPR1	GLI pathogenesis-related 1	0.682598642	0.007543404	2.140742954	4.15E-08	1424927_at	73690	Glipr1	GLI pathogenesis-related 1 (glioma)	1.296089444	0.000206054
209969_s_at	6772	STAT1	signal transducer and activator of transcription 1, 91kDa	1.881759847	6.27E-07	1.490140271	2.59E-07	1450033_a_at	20846	Stat1	signal transducer and activator of transcription 1	0.734715773	0.033938684
202953_at	713	C1QB	complement component 1, q subcomponent, B chain	1.517738935	0.000358495	2.863414132	3.71E-07	1437726_x_at	12260	C1qb	complement component 1, q subcomponent, beta polypeptid	2.767560245	4.56E-07
201858_s_at	5552	SRGN	serglycin	0.891442649	0.015054552	1.537047343	3.74E-05	1417426_at	19073	Srgn	serglycin	0.710252823	6.41E-05
208436_s_at	3665	IRF7	interferon regulatory factor 7	0.810793973	0.00017767	1.649864363	1.05E-05	1417244_a_at	54123	Irf7	interferon regulatory factor 7	1.388367772	0.00021114
219777_at	474344	GIMAP6	GTPase, IMAP family member 6	1.477540986	1.46E-09	1.100621715	2.40E-06	1456762_at	231931	Gimap6	GTPase, IMAP family member 6	0.326573137	0.01445271
219014_at	51316	PLAC8	placenta-specific 8	0.69095733	0.025934851	1.803302477	3.68E-06	1451335_at	231507	Plac8	placenta-specific 8	1.759720769	3.86E-06
203698_s_at	2487	FRZB	frizzled-related protein	0.779534903	0.001176966	2.312548092	1.42E-09	1448424_at	20378	Frzb	frizzled-related protein	0.563873699	0.013216237
210785_s_at	9473	C1orf38	chromosome 1 open reading frame 38	0.322287437	0.046572006	1.331468336	2.92E-06	1427041_at	230787	BC013712	cDNA sequence BC013712	1.010400575	0.000698813
204655_at	6352	CCL5	chemokine (C-C motif) ligand 5	0.859966883	0.002630046	1.149969123	0.000876481	1418126_at	20304	Ccl5	chemokine (C-C motif) ligand 5	1.502118437	0.001229386
204698_at	3669	ISG20	interferon stimulated exonuclease gene 20kDa	0.902965859	0.002112383	2.688146326	3.77E-12	1419569_a_at	57444	Isg20	interferon-stimulated protein	1.339470017	9.41E-07
208091_s_at	81552	VOPP1	vesicular, overexpressed in cancer, prosurvival protein 1	0.530566112	0.001059741	0.580107953	7.88E-06	1451127_at	232023	Vopp1	vesicular, overexpressed in cancer, prosurvival protein 1	0.501047737	0.02509899
218232_at	712	C1QA	complement component 1, q subcomponent, A chain	1.98519346	1.97E-06	3.463347244	7.94E-10	1417381_at	12259	C1qa	complement component 1, q subcomponent, alpha polypeptic	2.152459414	5.09E-08
218543_s_at	64761	PARP12	poly (ADP-ribose) polymerase family, member 12	1.397360297	3.66E-07	1.539284582	1.21E-10	1426774_at	243771	Parp12	poly (ADP-ribose) polymerase family, member 12	0.677666643	0.000282666
203882_at	10379	IRF9	interferon regulatory factor 9	1.487425203	1.22E-08	0.644774481	0.003462172	1421322_a_at	16391	Irf9	interferon regulatory factor 9	1.194871743	9.86E-06
213539_at	915	CD3D	CD3d molecule, delta (CD3-TCR complex)	0.359834468	0.027493887	0.677364972	0.041151559	1422828_at	12500	Cd3d	CD3 antigen, delta polypeptide	0.817531066	0.002189698
211964_at	1284	COL4A2	collagen, type IV, alpha 2	0.914055504	0.000318131	1.382588708	4.93E-07	1424051_at	12827	Col4a2	collagen, type IV, alpha 2	0.510641469	0.017468919
209619_at	972	CD74	CD74 molecule, major histocompatibility complex, class II inva	0.692465079	0.003028754	0.553425136	0.016348438	1425519_a_at	16149	Cd74	CD74 antigen (invariant polypeptide of major histocompatibili	1.415695889	1.98E-05
202664_at	7456	WIPF1	WAS/WASL interacting protein family, member 1	0.499629353	0.00041127	0.870166708	0.00162308	1436953_at	215280	Wipf1	WAS/WASL interacting protein family, member 1	0.622530402	0.000389368
221269_s_at	83442	SH3BGRL3	SH3 domain binding glutamic acid-rich protein like 3	0.484761176	0.000904203	0.780722401	4.04E-05	1416528_at	73723	Sh3bgrl3	SH3 domain binding glutamic acid-rich protein-like 3	1.068511863	5.82E-05
204057_at	3394	IRF8	interferon regulatory factor 8	0.554766211	0.016538616	1.201572679	0.001527444	1416714_at	15900	Irf8	interferon regulatory factor 8	0.54355165	0.006998912
205859_at	9450	LY86	lymphocyte antigen 86	0.497939725	0.001119029	1.72679504	1.06E-08	1422903_at	17084	Ly86	lymphocyte antigen 86	1.503333696	4.25E-06
200986_at	710	SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	1.323212664	5.90E-07	0.517304078	0.012541296	1416625_at	12258	Serping1	serine (or cysteine) peptidase inhibitor, clade G, member 1	0.861906067	3.12E-05
213923_at	5912	RAP2B	RAP2B, member of RAS oncogene family	0.364919789	0.031811625	0.781032915	2.40E-06	1448885_at	74012	Rap2b	RAP2B, member of RAS oncogene family	0.678557726	3.83E-05
207540_s_at	6850	SYK	spleen tyrosine kinase	0.453695303	0.000533543	0.850340227	0.00015332	1418262_at	20963	Syk	spleen tyrosine kinase	0.85275255	0.000157241
202902_s_at	1520	CTSS	cathepsin S	1.466180635	4.21E-05	2.364599101	3.31E-09	1448591_at	13040	Ctss	cathepsin S	2.38627119	1.64E-07
206420_at	10261	IGSF6	immunoglobulin superfamily, member 6	0.499694485	0.003028754	1.695406664	4.30E-06	1421408_at	80719	Igsf6	immunoglobulin superfamily, member 6	0.974227271	9.68E-05
216231_s_at	567	B2M	beta-2-microglobulin	0.80462432	3.18E-10	0.373979101	0.00027779	1427511_at	12010	B2m	beta-2 microglobulin	0.992948791	7.14E-06
201649_at	9246	UBE2L6	ubiquitin-conjugating enzyme E2L 6	1.347128919	1.16E-07	1.012785209	1.33E-06	1417172_at	56791	Ube2l6	ubiquitin-conjugating enzyme E2L 6	0.539398556	0.002002746
204122_at	7305	TYROBP	TYRO protein tyrosine kinase binding protein	1.760548711	2.81E-06	3.311993782	1.30E-10	1450792_at	22177	Tyrobp	TYRO protein tyrosine kinase binding protein	1.940264768	7.71E-07
201762_s_at	5721	PSME2	proteasome (prosome, macropain) activator subunit 2 (PA28 b	0.712502175	2.00E-05	0.959082889	1.95E-06	1417189_at	19188	Psme2	proteasome (prosome, macropain) 28 subunit, beta	0.541229003	0.001065983
200923_at	3959	LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	1.118581611	1.36E-07	0.506310531	0.015133314	1448380_at	19039	Lgals3bp	lectin, galactoside-binding, soluble, 3 binding protein	1.122377013	0.000456393
201890_at	6241	RRM2	ribonucleotide reductase M2	0.53774377	0.013605658	0.962152123	0.003682954	1448226_at	20135	Rrm2	ribonucleotide reductase M2	1.022759467	0.00017602
218870_at	55843	ARHGAP15	Rho GTPase activating protein 15	0.675873569	0.001400359	0.944556054	0.00027779	1435959_at	76117	Arhgap15	Rho GTPase activating protein 15	0.955301562	0.00105555
218252_at	26586	CKAP2	cytoskeleton associated protein 2	0.442496241	0.000390965	0.453728616	0.030784304	1434748_at	80986	Ckap2	cytoskeleton associated protein 2	0.369024741	0.001980005
212063_at	960	CD44	CD44 molecule (Indian blood group)	1.047131566	0.00046457	2.386358806	1.31E-07	1423760_at	12505	Cd44	CD44 antigen	2.266756	8.46E-06
213566_at	6039	RNASE6	ribonuclease, RNase A family, k6	1.199112022	0.000665027	1.95898513	8.91E-07	1430534_at	78416	Rnase6	ribonuclease, RNase A family, 6	0.363641662	0.046740859
202766_s_at	2200	FBN1	fibrillin 1	0.558237722	0.000491148	0.908637482	0.00018751	1460208_at	14118	Fbn1	fibrillin 1	0.764274196	0.001430624
219506_at	79630	C1orf54	chromosome 1 open reading frame 54	0.441444842	0.00110653	0.762832421	2.05E-06	1427996_at	229600	BC028528	cDNA sequence BC028528	0.455115387	0.000406547
213051_at	56829	ZC3HAV1	zinc finger CCCH-type, antiviral 1	0.416568993	0.000183371	0.526789427	0.010788129	1436183_at	78781	Zc3hav1	zinc finger CCCH type, antiviral 1	0.701075492	9.41E-05
218668_s_at	57826	RAP2C	RAP2C, member of RAS oncogene family	0.365874982	0.002663362	0.827947476	1.62E-06	1460430_at	72065	Rap2c	RAP2C, member of RAS oncogene family	0.407761234	0.007956731
201743_at	929	CD14	CD14 molecule	0.671354563	0.01222513	2.191312746	2.97E-09	1417268_at	12475	Cd14	CD14 antigen	2.220311198	5.29E-05
206134_at	27299	ADAMDEC1	ADAM-like, decysin 1	0.497946163	0.011456903	0.613811162	0.031276097	1419476_at	58860	Adamdec1	ADAM-like, decysin 1	0.436604284	0.022255329
203104_at	1436	CSF1R	colony stimulating factor 1 receptor	0.536225066	0.000545332	1.322690943	1.97E-06	1419872_at	12978	Csf1r	colony stimulating factor 1 receptor	0.392888161	0.00612817
211980_at	1282	COL4A1	collagen, type IV, alpha 1	0.978832428	0.000152016	1.241015069	4.53E-06	1452035_at	12826	Col4a1	collagen, type IV, alpha 1	0.560952088	0.001770779
201786_s_at	103	ADAR	adenosine deaminase, RNA-specific	0.755641627	1.16E-07	0.83954602	2.46E-06	1439276_at	56417	Adar	adenosine deaminase, RNA-specific	0.708359518	0.001998226
200814_at	5720	PSME1	proteasome (prosome, macropain) activator subunit 1 (PA28 a	0.384338423	6.16E-05	0.536241532	1.11E-08	1417056_at	19186	Psme1	proteasome (prosome, macropain) 28 subunit, alpha	0.451145517	0.004547886
213137_s_at	5771	PTPN2	protein tyrosine phosphatase, non-receptor type 2	0.432748184	3.00E-05	0.4409186	0.004192744	1417140_a_at	19255	Ptpn2	protein tyrosine phosphatase, non-receptor type 2	0.416728006	0.012653873
211795_s_at	2533	FYB	FYN binding protein	0.524574886	9.23E-06	0.948108847	0.000100968	1452117_a_at	23880	Fyb	FYN binding protein	1.671634799	2.17E-05
221875_x_at	3134	HLA-F	major histocompatibility complex, class I, F	1.15845164	2.78E-08	0.499117218	0.000874811	1421358_at	14991	H2-M3	histocompatibility 2, M region locus 3	0.672888837	0.000511795
210982_s_at	3122	HLA-DRA	major histocompatibility complex, class II, DR alpha	1.032229097	0.000131706	0.882447491	0.000144095	1422892_s_at	100504404	H2-Ea-ps	histocompatibility 2, class II antigen E alpha, pseudogene	1.451855196	4.50E-05