

Supplementary Data

SUPPLEMENTARY TABLE 1. LIST OF GENES SIGNIFICANTLY CHANGED IN MOUSE TBI VASCULOME

<i>Probe_ID</i>	<i>Gene ID</i>	<i>Symbol</i>	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		<i>Description</i>
			<i>p value</i>	<i>Fold</i>	<i>p value</i>	<i>Fold</i>	
1456084_x_at	14264	Fmod	0.003	0.082	0.004	0.072	Fibromodulin
1450468_at	17926	Myoc	0.003	0.092	0.004	0.109	Myocilin
1419663_at	18295	Ogn	0.007	0.163	0.010	0.164	Osteoglycin
1418979_at	105387	Akr1c14	0.003	0.165	0.001	0.149	Aldo-keto reductase family 1, member C14
1437685_x_at	14264	Fmod	0.001	0.182	0.001	0.163	Fibromodulin
1437718_x_at	14264	Fmod	0.002	0.186	0.002	0.170	Fibromodulin
1415939_at	14264	Fmod	0.001	0.187	0.001	0.151	Fibromodulin
1437324_x_at	14264	Fmod	0.003	0.210	0.003	0.176	Fibromodulin
1419662_at	18295	Ogn	0.001	0.212	0.002	0.220	Osteoglycin
1434734_at	623474	E130016E03Rik	0.003	0.215	0.001	0.272	RIKEN cDNA E130016E03 gene
1451006_at	22436	Xdh	0.003	0.238	0.002	0.238	Xanthine dehydrogenase
1423858_a_at	15360	Hmgcs2	0.000	0.247	0.000	0.290	3-Hydroxy-3-methylglutaryl-coenzyme A synthase 2
1416966_at	19879	Slc22a8	0.004	0.253	0.001	0.198	Solute carrier family 22 (organic anion transporter), member 8
1417574_at	20315	Cxcl12	0.000	0.254	0.000	0.239	Chemokine (C-X-C motif) ligand 12
1451322_at	69574	Cmb1	0.005	0.256	0.002	0.205	Carboxymethylglutaminase-like (<i>Pseudomonas</i>)
1415989_at	22329	Vcam1	0.001	0.261	0.001	0.385	Vascular cell adhesion molecule 1
1427345_a_at	20887	Sult1a1	0.001	0.262	0.000	0.182	Sulfotransferase family 1A, phenol-preferring, member 1
1426215_at	13195	Ddc	0.001	0.265	0.000	0.174	Dopa decarboxylase
1450699_at	20341	Selenbp1	0.001	0.265	0.001	0.227	Selenium binding protein 1
1438696_at	13616	Edn3	0.001	0.267	0.000	0.262	Endothelin 3
1457867_at	433323	Sgpp2	0.000	0.269	0.000	0.264	Sphingosine-1-phosphate phosphatase 2
1448162_at	22329	Vcam1	0.001	0.276	0.001	0.451	Vascular cell adhesion molecule 1
1431833_a_at	15360	Hmgcs2	0.002	0.281	0.001	0.352	3-Hydroxy-3-methylglutaryl-coenzyme A synthase 2
1444139_at	73284	Ddit4l	0.000	0.284	0.001	0.346	DNA-damage-inducible transcript 4-like
1435418_at	19879	Slc22a8	0.005	0.284	0.000	0.180	Solute carrier family 22 (organic anion transporter), member 8
1422804_at	20708	Serpinb6b	0.004	0.288	0.003	0.293	Serine (or cysteine) peptidase inhibitor, clade B, member 6b
1451047_at	16431	Itm2a	0.001	0.290	0.000	0.246	Integral membrane protein 2A
1439790_at	20723	Serpinb9	0.005	0.291	0.003	0.292	Serine (or cysteine) peptidase inhibitor, clade B, member 9
1440096_at	407800	Ecm2	0.002	0.292	0.002	0.363	Extracellular matrix protein 2
1416321_s_at	116847	Prep	0.004	0.294	0.004	0.258	Proline arginine-rich end leucine-rich repeat
1429348_at	20348	Sema3c	0.000	0.295	0.001	0.298	Semaphorin 3C
1417273_at	27273	Pdk4	0.001	0.297	0.003	0.485	Pyruvate dehydrogenase kinase, isoenzyme 4
1456532_at	71785	Pdgfd	0.005	0.299	0.005	0.271	Platelet-derived growth factor, D polypeptide
1449980_a_at	14403	Gabrd	0.001	0.302	0.005	0.355	Gamma-aminobutyric acid (GABA-A) receptor, subunit delta
1426413_at	18012	Neurod1	0.000	0.304	0.000	0.449	Neurogenic differentiation 1
1436417_at	80721	Slc19a3	0.003	0.305	0.001	0.270	Solute carrier family 19, member 3
1417963_at	18830	Pltp	0.001	0.305	0.000	0.294	Phospholipid transfer protein
1440879_at	217262	Abca9	0.001	0.307	0.001	0.302	ATP-binding cassette, subfamily A (ABC1), member 9
1423413_at	17988	Ndrp1	0.001	0.310	0.002	0.327	N-myc downstream-regulated gene 1

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SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1449009_at	21822	Tgtp	0.010	0.313	0.004	0.374	T-cell-specific GTPase
1417580_s_at	20342	Selenbp2	0.002	0.314	0.001	0.262	Selenium-binding protein 2
1441369_at	77524	C030017B01Rik	0.001	0.320	0.006	0.500	RIKEN cDNA C030017B01 gene
1436755_at	209378	Itih5	0.001	0.324	0.000	0.222	Inter-alpha (globulin) inhibitor H5
1416468_at	11668	Aldh1a1	0.003	0.324	0.001	0.258	Aldehyde dehydrogenase family 1, subfamily A1
1424701_at	219257	Pcdh20	0.001	0.328	0.001	0.479	Protocadherin 20
1438966_x_at	14264	Fmod	0.008	0.329	0.008	0.302	Fibromodulin
1423611_at	11647	Alpl	0.008	0.329	0.000	0.321	Alkaline phosphatase, liver/bone/kidney
1443832_s_at	20324	Sdpr	0.002	0.332	0.001	0.301	Serum deprivation response
1434628_a_at	52428	Rhpn2	0.001	0.333	0.001	0.299	Rhopilin, Rho GTPase-binding protein 2
1416778_at	20324	Sdpr	0.004	0.333	0.001	0.320	Serum deprivation response
1429159_at	209378	Itih5	0.004	0.335	0.001	0.257	Inter-alpha (globulin) inhibitor H5
1439332_at	73284	Ddit4l	0.001	0.336	0.001	0.374	DNA-damage-inducible transcript 4-like
1456833_at	574402	Gpr17	0.001	0.340	0.000	0.375	G-protein-coupled receptor 17
1434052_at	330941	AI593442	0.002	0.340	0.008	0.435	Expressed sequence AI593442
1434354_at	109731	Maob	0.004	0.341	0.000	0.289	Monoamine oxidase B
1441946_at	209378	Itih5	0.007	0.342	0.002	0.236	Inter-alpha (globulin) inhibitor H5
1419700_a_at	19126	Prom1	0.002	0.342	0.000	0.269	Prominin 1
1436098_at	12038	Bche	0.006	0.342	0.000	0.278	Butyrylcholinesterase
1434151_at	70152	Mettl7a1	0.000	0.342	0.001	0.404	Methyltransferase-like 7A1
1448823_at	20315	Cxcl12	0.005	0.344	0.005	0.333	Chemokine (C-X-C motif) ligand 12
1447272_s_at	11982	Atp10a	0.004	0.344	0.002	0.278	ATPase, class V, type 10A
1430600_at	67272	Cmtm5	0.003	0.344	0.009	0.466	CKLF-like MARVEL transmembrane domain-containing 5
1431805_a_at	52428	Rhpn2	0.002	0.344	0.001	0.299	Rhopilin, Rho GTPase-binding protein 2
1455225_at	64009	Syne1	0.001	0.345	0.003	0.481	Synaptic nuclear envelope 1
1426575_at	208449	Sgms1	0.001	0.346	0.001	0.317	Sphingomyelin synthase 1
1418907_at	14067	F5	0.004	0.346	0.001	0.286	Coagulation factor V
1452013_at	11982	Atp10a	0.003	0.347	0.003	0.291	ATPase, class V, type 10A
1441923_s_at	13616	Edn3	0.001	0.349	0.002	0.338	Endothelin 3
1421321_a_at	56349	Net1	0.002	0.350	0.001	0.254	Neuroepithelial cell transforming gene 1
1422438_at	13849	Ephx1	0.002	0.354	0.000	0.300	Epoxide hydrolase 1, microsomal
1441214_at	320051	Exph5	0.003	0.354	0.005	0.460	Exophilin 5
1418094_s_at	12351	Car4	0.004	0.356	0.000	0.285	Carbonic anhydrase 4
1448949_at	12351	Car4	0.003	0.356	0.000	0.284	Carbonic anhydrase 4
1416926_at	60599	Trp53inp1	0.000	0.356	0.000	0.383	Transformation-related protein 5-inducible nuclear protein 1
1423352_at	83691	Crispld1	0.001	0.360	0.001	0.339	Cysteine-rich secretory protein LCCL domain-containing 1
1416779_at	20324	Sdpr	0.005	0.360	0.002	0.331	Serum deprivation response
1434150_a_at	70152	Mettl7a1	0.001	0.363	0.002	0.469	Methyltransferase-like 7A1
1453771_at	70676	Gulp1	0.003	0.366	0.001	0.322	GULP, engulfment adaptor PTB domain-containing 1
1447851_x_at	11982	Atp10a	0.009	0.366	0.006	0.307	ATPase, class V, type 10A
1431724_a_at	70839	P2ry12	0.001	0.369	0.001	0.363	Purinergic receptor P2Y, G-protein-coupled 12
1456152_at	74090	Paqr5	0.005	0.371	0.001	0.290	Progesterin and adipoQ receptor family member V
1416658_at	20378	Frzb	0.000	0.372	0.000	0.461	Frizzled-related protein
1450928_at	15904	Id4	0.000	0.375	0.001	0.424	Inhibitor of DNA binding 4
1423259_at	15904	Id4	0.001	0.376	0.002	0.439	Inhibitor of DNA binding 4
1443252_at	218215	Rnf144b	0.000	0.376	0.000	0.471	Ring finger protein 144B
1440870_at	70673	Prdm16	0.002	0.376	0.000	0.342	PR domain-containing 16
1417793_at	54396	Iigp2	0.003	0.379	0.002	0.405	Interferon-inducible GTPase 2
1420405_at	28250	Slco1a4	0.004	0.380	0.001	0.286	Solute carrier organic anion transporter family, member 1a4

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SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1422905_s_at	55990	Fmo2	0.009	0.381	0.007	0.372	Flavin-containing monooxygenase 2
1448566_at	53945	Slc40a1	0.010	0.383	0.001	0.276	Solute carrier family 40 (iron-regulated transporter), member 1
1450976_at	17988	Ndrp1	0.002	0.386	0.001	0.383	N-myc downstream-regulated gene 1
1451454_at	219257	Pcdh20	0.001	0.389	0.000	0.467	Protocadherin 20
1444656_at	216976	BC030499	0.001	0.392	0.003	0.380	cDNA sequence BC030499
1417680_at	16493	Kcna5	0.000	0.393	0.000	0.390	Potassium voltage-gated channel, member 5
1420760_s_at	17988	Ndrp1	0.002	0.394	0.001	0.405	N-myc downstream-regulated gene 1
1425281_a_at	14605	Tsc22d3	0.001	0.395	0.001	0.392	TSC22 domain family, member 3
1456174_x_at	17988	Ndrp1	0.002	0.397	0.002	0.428	N-myc downstream-regulated gene 1
1436499_at	208449	Sgms1	0.003	0.397	0.003	0.381	Sphingomyelin synthase 1
1434736_at	217082	Hlf	0.001	0.398	0.001	0.356	Hepatic leukemia factor
1454858_x_at	70152	Mettl7a1	0.000	0.398	0.000	0.456	Methyltransferase-like 7A1
1426576_at	208449	Sgms1	0.004	0.399	0.002	0.365	Sphingomyelin synthase 1
1439153_at	218215	Rnf144b	0.004	0.400	0.001	0.324	Ring finger protein 144B
1449079_s_at	54613	St3gal6	0.003	0.400	0.002	0.377	ST3 beta-galactoside alpha-2,3-sialyltransferase 6
1420903_at	20447	St6galnac3	0.005	0.401	0.001	0.344	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 3
1417649_at	12577	Cdkn1c	0.008	0.401	0.002	0.364	Cyclin-dependent kinase inhibitor 1C (P57)
1420696_at	20348	Sema3c	0.002	0.403	0.001	0.353	Semaphorin 3C
1421471_at	18166	Npy1r	0.000	0.403	0.001	0.437	Neuropeptide Y receptor Y1
1423405_at	110595	Timp4	0.004	0.403	0.004	0.449	Tissue inhibitor of metalloproteinase 4
1426047_a_at	19279	Ptpr	0.001	0.404	0.001	0.425	Protein tyrosine phosphatase, receptor type, R
1439172_at	268878	Atp13a5	0.001	0.404	0.000	0.245	ATPase type 13A5
1454622_at	209837	Slc38a5	0.003	0.405	0.001	0.272	Solute carrier family 38, member 5
1416211_a_at	19242	Ptn	0.001	0.405	0.001	0.346	Pleiotrophin
1423608_at	16431	Itm2a	0.004	0.405	0.003	0.383	Integral membrane protein 2A
1436611_at	277468	Slc39a12	0.005	0.407	0.004	0.459	Solute carrier family 39 (zinc transporter), member 12
1434735_at	217082	Hlf	0.001	0.407	0.000	0.392	Hepatic leukemia factor
1436600_at	244579	Tox3	0.000	0.409	0.001	0.420	TOX high-mobility-group box family member 3
1420772_a_at	14605	Tsc22d3	0.004	0.410	0.002	0.428	TSC22 domain family, member 3
1436791_at	22418	Wnt5a	0.005	0.410	0.003	0.304	Wingless-related MMTV integration site 5A
1450977_s_at	17988	Ndrp1	0.001	0.415	0.002	0.442	N-myc downstream-regulated gene 1
1435292_at	210789	Tbc1d4	0.010	0.416	0.006	0.384	TBC1 domain family, member 4
1447854_s_at	319190	Hist2h2be	0.004	0.416	0.001	0.440	Histone cluster 2, H2be
1449277_at	24047	Ccl19	0.004	0.417	0.004	0.342	Chemokine (C-C motif) ligand 19
1416635_at	57319	Smpd13a	0.000	0.418	0.000	0.394	Sphingomyelin phosphodiesterase, acid-like 3A
1448181_at	66277	Klf15	0.003	0.423	0.003	0.435	Kruppel-like factor 15
1435026_at	94214	Spock2	0.001	0.423	0.000	0.383	Sparc/osteonectin, cwcv and kazal-like domains proteoglycan 2
1448945_at	67801	Pllp	0.002	0.424	0.000	0.410	Plasma membrane proteolipid
1415996_at	56338	Txnip	0.002	0.431	0.001	0.391	Thioredoxin-interacting protein
1451751_at	73284	Ddit4l	0.003	0.433	0.001	0.430	DNA-damage-inducible transcript 4-like
1448143_at	11669	Aldh2	0.008	0.433	0.002	0.342	Aldehyde dehydrogenase 2, mitochondrial
1429830_a_at	12509	Cd59a	0.002	0.434	0.002	0.385	CD59a antigen
1450783_at	15957	Ifit1	0.008	0.434	0.004	0.468	Interferon-induced protein with tetratricopeptide repeats 1
1456424_s_at	18830	Pltp	0.001	0.438	0.001	0.453	Phospholipid transfer protein

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SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1424534_at	75104	Mmd2	0.001	0.439	0.002	0.483	Monocyte to macrophage differentiation-associated 2
1429308_at	70673	Prdm16	0.008	0.439	0.001	0.392	PR domain-containing 16
1436665_a_at	108075	Ltbp4	0.007	0.440	0.001	0.445	Latent transforming growth factor beta-binding protein 4
1424549_at	70059	Degs2	0.005	0.440	0.001	0.294	Degenerative spermatocyte homolog 2, lipid desaturase
1433600_at	11551	Adra2a	0.002	0.441	0.004	0.456	Adrenergic receptor, alpha 2a
1427052_at	100705	Acacb	0.005	0.442	0.002	0.387	Acetyl-coenzyme A carboxylase beta
1455044_at	224090	Tmem44	0.000	0.442	0.000	0.413	Transmembrane protein 44
1419759_at	18671	Abcb1a	0.009	0.442	0.002	0.353	ATP-binding cassette, subfamily B (MDR/TAP), member 1A
1424408_at	225341	Lims2	0.002	0.448	0.002	0.411	LIM and senescent cell antigen-like domains 2
1440312_at	74559	Elov17	0.007	0.449	0.001	0.448	ELOVL family member 7, elongation of long-chain fatty acids
1460459_at	74090	Paqr5	0.006	0.451	0.003	0.367	Progesterin and adipoQ receptor family member V
1435417_at	329828	AI464131	0.001	0.452	0.000	0.413	Expressed sequence AI464131
1428573_at	69993	Chn2	0.000	0.452	0.000	0.474	Chimerin (chimaerin) 2
1455717_s_at	76441	Daam2	0.002	0.453	0.002	0.433	Disheveled associated activator of morphogenesis 2
1426082_a_at	229699	Slc16a4	0.009	0.456	0.000	0.342	Solute carrier family 16, member 4
1418445_at	20502	Slc16a2	0.006	0.458	0.000	0.396	Solute carrier family 16, member 2
1436596_at	77605	H2afv	0.006	0.460	0.002	0.483	H2A histone family, member V
1422529_s_at	12373	Casq2	0.003	0.463	0.002	0.420	Calsequestrin 2
1418365_at	13036	Ctsh	0.009	0.467	0.002	0.402	Cathepsin H
1452540_a_at	319188	Hist1h2bp	0.007	0.471	0.007	0.486	Histone cluster 1, H2bp
1416111_at	12522	Cd83	0.005	0.472	0.000	0.485	CD83 antigen
1460239_at	66109	Tspan13	0.000	0.474	0.000	0.444	Tetraspanin 13
1418186_at	14871	Gstt1	0.004	0.476	0.002	0.408	Glutathione S-transferase, theta 1
1422906_at	26357	Abcg2	0.005	0.477	0.002	0.391	ATP-binding cassette, subfamily G (WHITE), member 2
1425102_a_at	70008	Ace2	0.005	0.478	0.003	0.376	Angiotensin I-converting enzyme (peptidyl-dipeptidase A) 2
1438751_at	226781	Slc30a10	0.002	0.479	0.001	0.484	Solute carrier family 30, member 10
1452141_a_at	20363	Sepp1	0.002	0.479	0.003	0.485	Selenoprotein P, plasma, 1
1453152_at	71738	Mamdc2	0.005	0.481	0.002	0.435	MAM domain-containing 2
1456616_a_at	12215	Bsg	0.001	0.484	0.001	0.453	Basigin
1418446_at	20502	Slc16a2	0.002	0.485	0.000	0.458	Solute carrier family 16, member 2
1435621_at	330450	Far2	0.005	0.485	0.000	0.428	Fatty acyl-CoA reductase 2
1435866_s_at	319162	Hist3h2a	0.003	0.486	0.003	0.500	Histone cluster 3, H2a
1448700_at	14373	G0s2	0.001	0.489	0.001	0.457	G ₀ /G ₁ switch gene 2
1434141_at	60596	Gucy1a3	0.005	0.489	0.001	0.422	Guanylate cyclase 1, soluble, alpha 3
1428332_at	216505	Pik3ip1	0.001	0.491	0.000	0.405	Phosphoinositide-3-kinase-interacting protein 1
1449483_at	27015	Polk	0.005	0.492	0.001	0.455	Polymerase (DNA-directed), kappa
1436425_at	242553	Kank4	0.010	0.496	0.000	0.446	KN motif and ankyrin repeat domains 4
1426235_a_at	14645	Glul	0.001	0.498	0.001	0.449	Glutamate-ammonia ligase (glutamine synthetase)
1423717_at	56248	Ak3	0.010	0.498	0.002	0.426	Adenylate kinase 3
1438533_at	17925	Myo9b	0.010	2.014	0.000	2.008	Myosin IXb
1459357_at	269116	Nfasc	0.007	2.052	0.000	2.015	Neurofascin
1443554_at	72475	Ssbp3	0.003	2.071	0.001	2.175	Single-stranded DNA-binding protein 3
1442467_at	78286	Nav2	0.002	2.109	0.002	2.004	Neuron navigator 2
1434887_at	14299	Freq	0.005	2.116	0.005	2.204	Frequenin homolog (<i>Drosophila</i>)
1443657_at	229474	Fhdcl	0.002	2.128	0.002	2.364	FH2 domain-containing 1
1416200_at	77125	Il33	0.006	2.139	0.005	2.455	Interleukin-33
1417262_at	19225	Ptgs2	0.005	2.141	0.000	2.782	Prostaglandin-endoperoxide synthase 2
1447930_at	217578	Baz1a	0.000	2.146	0.001	2.231	Bromodomain adjacent to zinc finger domain 1A

(continued)

SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1444317_at	11994	Pcdh15	0.001	2.190	0.005	2.124	Protocadherin 15
1435175_at	207792	BC034090	0.000	2.202	0.000	2.129	cDNA sequence BC034090
1427364_a_at	18263	Odc1	0.002	2.209	0.003	2.065	Ornithine decarboxylase, structural 1
1428485_at	76459	Car12	0.002	2.233	0.005	2.495	Carbonic anhydrase 12
1436484_at	320116	C030019I05Rik	0.002	2.259	0.003	2.088	RIKEN cDNA C030019I05 gene
1456274_at	399569	C230071H18Rik	0.000	2.278	0.000	2.449	RIKEN cDNA C230071H18 gene
1441668_at	320006	E130107B13Rik	0.001	2.320	0.001	2.111	RIKEN cDNA E130107B13 gene
1457268_at	208266	Dot1l	0.001	2.324	0.000	2.120	DOT1-like, histone H3 methyltransferase (<i>S. cerevisiae</i>)
1456816_at	328365	Zmiz1	0.002	2.337	0.001	2.310	Zinc finger, MIZ-type-containing 1
1451780_at	17060	Blnk	0.004	2.337	0.006	2.242	B-cell linker
1422586_at	13599	Ecel1	0.000	2.343	0.004	2.068	Endothelin-converting enzyme-like 1
1442643_at	216850	Jmjd3	0.002	2.375	0.002	2.341	Jumonji domain-containing 3
1438624_x_at	195646	Hs3st2	0.001	2.376	0.003	2.713	Heparan sulfate (glucosamine) 3-O-sulfotransferase 2
1453391_at	75858	Speer7-ps1	0.006	2.401	0.009	2.274	Spermatogenesis associated glutamate (E)-rich protein 7, pseudogene 1
1419254_at	17768	Mthfd2	0.003	2.431	0.005	2.014	Methylenetetrahydrofolate dehydrogenase (NAD ⁺ -dependent), methenyltetrahydrofolate cyclohydrolase
1436319_at	240725	Sulf1	0.000	2.451	0.001	2.383	Sulfatase 1
1422706_at	65112	Pmepa1	0.001	2.486	0.002	2.027	Prostate transmembrane protein, androgen induced 1
1442326_at	11994	Pcdh15	0.004	2.492	0.008	2.205	Protocadherin 15
1429460_at	78249	Gpr115	0.001	2.498	0.003	2.277	G-protein-coupled receptor 115
1441353_at	78286	Nav2	0.001	2.569	0.002	2.385	Neuron navigator 2
1420697_at	65221	Slc15a3	0.000	2.576	0.001	2.120	Solute carrier family 15, member 3
1438934_x_at	20351	Sema4a	0.001	2.613	0.004	2.447	Semaphorin 4A
1448110_at	20351	Sema4a	0.001	2.628	0.009	2.058	Semaphorin 4A
1439434_x_at	230863	Sh2d5	0.002	2.637	0.000	2.286	SH2 domain-containing 5
1424942_a_at	17869	Myc	0.001	2.656	0.002	2.488	Myelocytomatosis oncogene
1441187_at	319775	E330037M01Rik	0.005	2.663	0.005	2.637	RIKEN cDNA E330037M01 gene
1428781_at	73712	Dmkn	0.000	2.688	0.009	2.696	Dermokine
1436448_a_at	19224	Ptgs1	0.000	2.690	0.004	2.094	Prostaglandin-endoperoxide synthase 1
1429549_at	373864	Col27a1	0.000	2.712	0.000	2.576	Collagen, type XXVII, alpha 1
1429549_at	373864	Col27a1	0.000	2.712	0.000	2.576	Collagen, type XXVII, alpha 1
1455257_at	16416	Itgb3	0.001	2.714	0.001	2.385	Integrin beta 3
1455257_at	16416	Itgb3	0.001	2.714	0.001	2.385	Integrin beta 3
1416303_at	56722	Litaf	0.008	2.732	0.001	2.301	LPS-induced TN factor
1459961_a_at	20848	Stat3	0.005	2.740	0.005	2.626	Signal transducer and activator of transcription 3
1442845_at	320395	C130075A20Rik	0.000	2.740	0.000	2.418	RIKEN cDNA C130075A20 gene
1431043_at	72330	Kbtbd5	0.001	2.741	0.004	2.006	Kelch repeat and BTB (POZ) domain-containing 5
1420380_at	20296	Ccl2	0.000	2.799	0.000	2.523	Chemokine (C-C motif) ligand 2
1423414_at	19224	Ptgs1	0.000	2.833	0.001	2.362	Prostaglandin-endoperoxide synthase 1
1417595_at	17285	Meox1	0.000	2.864	0.001	2.216	Mesenchyme homeobox 1
1458015_at	214058	Megf11	0.000	2.870	0.002	2.388	Multiple EGF-like-domains 11
1449773_s_at	17873	Gadd45b	0.000	2.871	0.000	2.643	Growth arrest and DNA-damage-inducible 45 beta
1452352_at	13025	Ctla2b	0.005	2.896	0.006	2.533	Cytotoxic T-lymphocyte-associated protein 2 beta
1431947_at	16835	Ldlr	0.001	2.910	0.003	2.020	Low-density lipoprotein receptor
1448593_at	22402	Wisp1	0.000	2.956	0.001	3.044	WNT1-inducible-signaling pathway protein 1
1450448_at	20855	Stc1	0.002	2.960	0.002	3.097	Stanniocalcin 1
1419599_s_at	68774	Ms4a6d	0.001	3.055	0.004	2.126	Membrane-spanning 4-domains, subfamily A, member 6D
1418571_at	27279	Tnfrsf12a	0.000	3.061	0.001	2.672	Tumor necrosis factor receptor superfamily, member 12a

(continued)

SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1441823_at	328365	Zmiz1	0.001	3.087	0.001	3.143	Zinc finger, MIZ-type-containing 1
1459403_at	16835	Ldlr	0.002	3.109	0.003	2.046	Low-density lipoprotein receptor
1455965_at	240913	Adamts4	0.002	3.132	0.003	3.209	A disintegrin-like and metallopeptidase (reprolysin type) with Thrombospondin type 1 motif, 4
1416576_at	12702	Socs3	0.010	3.262	0.001	2.585	Suppressor of cytokine-signaling 3
1418572_x_at	27279	Tnfrsf12a	0.000	3.292	0.000	2.770	Tumor necrosis factor receptor superfamily, member 12a
1438761_a_at	666231	EG666231	0.000	3.326	0.000	3.067	Predicted gene, EG666231
1452595_at	240913	Adamts4	0.000	3.330	0.001	3.292	A disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4
1437463_x_at	21810	Tgfb1	0.001	3.380	0.005	2.392	Transforming growth factor, beta induced
1452521_a_at	18793	Plaur	0.001	3.441	0.001	3.143	Plasminogen activator, urokinase receptor
1443387_at	99440	BB045044	0.001	3.570	0.001	2.803	Expressed sequence BB045044
1420720_at	53324	Nptx2	0.000	3.602	0.004	3.735	Neuronal pentraxin 2
1415943_at	20969	Sdc1	0.000	3.616	0.001	2.512	Syndecan 1
1448232_x_at	22146	Tuba1c	0.000	3.664	0.001	2.425	Tubulin, alpha 1C
1452729_at	68563	Dpm3	0.000	3.670	0.002	2.533	Dolichyl-phosphate mannosyltransferase polypeptide 3
1449960_at	53324	Nptx2	0.000	3.677	0.002	3.413	Neuronal pentraxin 2
1418349_at	15200	Hbegf	0.000	3.696	0.000	2.828	Heparin-binding EGF-like growth factor
1418349_at	15200	Hbegf	0.000	3.696	0.000	2.828	Heparin-binding EGF-like growth factor
1419703_at	53867	Col5a3	0.000	3.708	0.000	2.485	Collagen, type V, alpha 3
1415871_at	21810	Tgfb1	0.001	3.721	0.003	2.259	Transforming growth factor, beta induced
1451969_s_at	235587	Parp3	0.000	3.748	0.000	2.231	Poly (ADP-ribose) polymerase family, member 3
1441917_s_at	94346	Tmem40	0.000	3.834	0.007	2.123	Transmembrane protein 40
1420394_s_at	14728	Lilrb4	0.000	3.849	0.000	2.507	Leukocyte immunoglobulin-like receptor, subfamily B, member 4
1426210_x_at	235587	Parp3	0.000	3.919	0.000	2.507	Poly (ADP-ribose) polymerase family, member 3
1437711_x_at	18263	Odc1	0.003	4.084	0.002	3.590	Ornithine decarboxylase, structural 1
1458308_at	216161	Sbno2	0.000	4.119	0.000	3.665	Strawberry notch homolog 2 (<i>Drosophila</i>)
1418350_at	15200	Hbegf	0.000	4.170	0.000	3.347	Heparin-binding EGF-like growth factor
1456212_x_at	12702	Socs3	0.004	4.245	0.002	3.326	Suppressor of cytokine signaling 3
1419282_at	20293	Ccl12	0.001	4.246	0.002	3.143	Chemokine (C-C motif) ligand 12
1420591_at	80910	Gpr84	0.001	4.296	0.001	2.563	G-protein-coupled receptor 84
1460668_at	14419	Gal	0.001	4.313	0.001	4.497	Galanin
1416811_s_at	13024	Ctla2a	0.000	4.376	0.001	2.696	Cytotoxic T-lymphocyte-associated protein 2 alpha
1443721_x_at	216161	Sbno2	0.000	4.449	0.000	3.717	Strawberry notch homolog 2 (<i>Drosophila</i>)
1453191_at	373864	Col27a1	0.000	4.485	0.000	3.570	Collagen, type XXVII, alpha 1
1458648_at	107306	AU042950	0.002	4.495	0.003	3.872	Expressed sequence AU042950
1448123_s_at	21810	Tgfb1	0.000	4.563	0.004	2.549	Transforming growth factor, beta induced
1448123_s_at	21810	Tgfb1	0.000	4.563	0.004	2.549	Transforming growth factor, beta induced
1448562_at	22271	Upp1	0.004	4.566	0.001	4.444	Uridine phosphorylase 1
1455899_x_at	12702	Socs3	0.008	4.739	0.001	3.519	Suppressor of cytokine signaling 3
1416077_at	11535	Adm	0.000	4.750	0.001	3.449	Adrenomedullin
1438133_a_at	16007	Cyr61	0.000	4.992	0.001	4.877	Cysteine-rich protein 61

(continued)

SUPPLEMENTARY TABLE 1. (CONTINUED)

Probe_ID	Gene ID	Symbol	<i>Ipsi vs. Norm</i>		<i>Ipsi vs. Cont</i>		Description
			p value	Fold	p value	Fold	
1439349_at	216161	Sbno2	0.001	4.997	0.000	3.585	Strawberry notch homolog 2 (<i>Drosophila</i>)
1448471_a_at	13024	Ctla2a	0.000	5.010	0.002	3.151	Cytotoxic T-lymphocyte-associated protein 2 alpha
1421207_at	16878	Lif	0.000	5.034	0.001	3.877	Leukemia inhibitory factor
1416039_x_at	16007	Cyr61	0.000	5.180	0.001	5.070	Cysteine-rich protein 61
1447839_x_at	11535	Adm	0.001	5.230	0.002	3.939	Adrenomedullin
1416529_at	13730	Emp1	0.000	5.661	0.000	4.724	Epithelial membrane protein 1
1450716_at	11504	Adamts1	0.000	5.706	0.000	5.063	A disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 1
1437279_x_at	20969	Sdc1	0.000	5.782	0.001	3.461	Syndecan 1
1430352_at	101401	Adamts9	0.001	5.938	0.001	5.032	A disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 9
1448831_at	11601	Angpt2	0.000	6.149	0.000	3.638	Angiopoietin 2
1422053_at	16323	Inhba	0.000	6.352	0.000	6.255	Inhibin beta-A
1416342_at	21923	Tnc	0.000	6.410	0.000	4.880	Tenascin C
1421811_at	21825	Thbs1	0.003	6.956	0.007	5.393	Thrombospondin 1
1419100_at	20716	Serpina3n	0.001	7.202	0.002	3.719	Serine (or cysteine) peptidase inhibitor, clade A, member 3N
1449982_at	16156	Il11	0.005	7.922	0.009	6.404	Interleukin-11
1437139_at	14654	Gla1	0.000	8.541	0.000	6.699	Glycine receptor, alpha 1 subunit
1434046_at	433470	AA467197	0.000	8.932	0.000	8.509	Expressed sequence AA467197
1437785_at	101401	Adamts9	0.000	10.277	0.000	6.989	A disintegrin-like and metallopeptidase (reprolysin type) with Thrombospondin type 1 motif, 9
1423760_at	12505	Cd44	0.000	11.354	0.001	6.850	CD44 antigen
1434376_at	12505	Cd44	0.000	12.659	0.001	6.566	CD44 antigen
1418547_at	21789	Tfpi2	0.000	14.926	0.001	7.600	Tissue factor pathway inhibitor 2
1451038_at	30878	Apln	0.000	14.929	0.001	11.004	Apelin
1460227_at	21857	Timp1	0.000	15.029	0.001	5.495	Tissue inhibitor of metalloproteinase 1
1416431_at	67951	Tubb6	0.000	19.593	0.000	9.234	Tubulin, beta 6
1419149_at	18787	Serpine1	0.000	20.866	0.001	12.025	Serine (or cysteine) peptidase inhibitor, clade E, member 1
1418945_at	17392	Mmp3	0.000	25.457	0.000	15.573	Matrix metallopeptidase 3
1418666_at	19288	Ptx3	0.000	34.404	0.001	7.042	Pentraxin-related gene

cDNA, complementary DNA; ATP, adenosine triphosphate; GTP, guanosine triphosphate; CoA, coenzyme A; NAD⁺, nicotinamide adenine dinucleotide; LPS, lipopolysaccharide; TN, tumor necrosis; EGF, epidermal growth factor.