

Kendall's Tau						Mphi	Lys	Mito
p-value	ktau	Probe Set	Unigene Cluster	Accession #	Gene Description			
1.38E-08	0.829096	160101_at	Mm.17980	X56824	NM_010442 heme oxygenase (decycling) 1	Yes		
1.84E-08	0.821824	100607_at	Mm.6483	AF026124	NM_011116 phospholipase D3			
9.96E-08	0.778187	99071_at	Mm.3999	L20315		Yes		
1.31E-07	0.770914	104531_at	Mm.2314	X60304	NM_011103 protein kinase C, delta			
1.31E-07	0.770914	160162_at	Mm.22632	AI852545				
1.31E-07	-0.770914	103660_at	Mm.20615	AF093669	NM_011068 peroxisomal biogenesis factor 11a			
1.31E-07	-0.770914	95084_f_at	Mm.196574	AI844995	NM_080289 glyoxylate reductase/hydroxypyruvate reductase NM_007702 cell death-inducing DNA fragmentation factor, alpha subunit-like effector A			Yes
1.31E-07	-0.770914	99994_at	Mm.449	AF041376				
1.71E-07	-0.763641	92615_at	Mm.1103	AI853615				
1.71E-07	-0.763641	92893_at	Mm.15771	D90173	NM_010905 nuclear factor I/A			
2.24E-07	0.756369	101793_at	Mm.150	X70980	NM_010186 Fc receptor, IgG, high affinity I	Yes		
2.24E-07	-0.756369	95053_s_at	Mm.29141	AA674669	NM_023374 succinate dehydrogenase lp subunit			Yes
2.24E-07	-0.756369	95472_f_at	Mm.24805	AI526902	NM_026219 RIKEN cDNA 2210415M14			Yes
2.92E-07	0.749096	100012_at	Mm.4554	U29539	NM_010686 lysosomal-associated protein transmembrane 5	Yes	Yes	
2.92E-07	0.749096	100511_at	Mm.5202	AI154249				
2.92E-07	0.749096	103016_s_at	Mm.15819	X68273	NM_009853 CD68 antigen	Yes	Yes	
2.92E-07	0.749096	93318_at	Mm.18503	U91513	NM_013610 ninjurin 1			
2.92E-07	-0.749096	100079_at	Mm.4537	AI845556				Yes
3.80E-07	0.741823	100771_at	Mm.9749	AF068182	B cell linker protein essential for normal B-cell development			
3.80E-07	0.741823	95338_s_at	Mm.2055	M82831	NM_008605 macrophage metalloelastase	Yes		
3.80E-07	0.741823	95339_r_at	Mm.2055	M82831	NM_008605 macrophage metalloelastase	Yes		
3.80E-07	-0.741823	100564_at	Mm.5731	AF068199	NM_010027 D-dopachrome tautomerase			
4.94E-07	0.73455	100621_at	Mm.6586	AI848825				
4.94E-07	0.73455	93323_at	Mm.18565	AB031292	NM_019755 proteolipid protein 2	Yes		
4.94E-07	0.73455	94258_at	Mm.2241	L07918	Rho GTP dissociation inhibitor	Yes		
4.94E-07	-0.73455	101525_at	Mm.8688	AI848871				
4.94E-07	-0.73455	99154_s_at	Mm.41583	AW122625				
6.39E-07	0.727278	104388_at	Mm.2271	U49513	NM_011338 small inducible cytokine A9	Yes		
6.39E-07	0.727278	94840_at	Mm.2284	U05837	NM_010421 hexosaminidase A		Yes	
6.39E-07	0.727278	96360_at	Mm.30016	AW125498	NM_133796 expressed sequence C87222 NM_013612 solute carrier family 11 (proton-coupled divalent metal ion transporters), membe	Yes		
6.39E-07	0.727278	96562_at	Mm.2913	L13732				
6.39E-07	-0.727278	100293_at	Mm.30502	AA268823	NM_007930 ectodermal-neural cortex 1			
8.26E-07	0.720005	103507_at	Mm.2254	X93328				
8.26E-07	0.720005	95466_at	Mm.141741	AI837006	NM_028071 coactosin-like protein			
8.26E-07	0.720005	96056_at	Mm.262	X80638	NM_007484 ras homolog 9 (RhoC)			
1.06E-06	0.712732	102204_at	Mm.67919	L36435				
1.06E-06	0.712732	94208_at	Mm.182959	AW045202				
1.37E-06	0.705459	104308_at	Mm.22378	AI035495	NM_021334 integrin alpha X	Yes		
1.37E-06	0.705459	92471_i_at	Mm.42124	AF099973	NM_011408 schlafen 2			
1.37E-06	-0.705459	101538_i_at	Mm.120807	AW226939	NM_053200 carboxylesterase 3 NM_008149 glycerol-3-phosphate acyltransferase, mitochondrial			Yes
1.37E-06	-0.705459	101867_at	Mm.87773	U11680				Yes
1.37E-06	-0.705459	95620_at	Mm.2804	AW120882				Yes
1.48E-06	0.703098	102851_s_at	Mm.1484	M68902	NM_013545 hemopoietic cell phosphatase	Yes		
1.75E-06	0.698186	100328_s_at	Mm.87801	U96684	NM_011090 paired-Ig-like receptor A3	Yes		
1.75E-06	0.698186	103579_at	Mm.1972	X53247	NM_009008	Yes		
1.75E-06	0.698186	103662_at	Mm.2068	U59488	NM_008677 neutrophil cytosolic factor 4			
1.75E-06	0.698186	104023_at	Mm.2699	AW060457		Yes		
1.75E-06	0.698186	93598_at	Mm.20847	AI840437	NM_024225 sorting nexin 5			

## Supplemental Table 2

Kendall's Tau						Mphi	Lyso	Mito
p-value	ktau	Probe Set	Unigene Cluster	Accession #	Gene Description			
1.75E-06	0.698186	95151_at	Mm.29475	AW061307	NM_023320 TNF intracellular domain-interacting protein			
					NM_019432 voltage-dependent calcium channel gamma subunit-like protein			
1.75E-06	0.698186	95465_s_at	Mm.24750	AI849587	NM_009777 complement component 1, q subcomponent, beta polypeptide	Yes		
1.75E-06	0.698186	96020_at	Mm.2570	M22531				
1.75E-06	-0.698186	101539_f_at	Mm.120807	AW226939	NM_053200 carboxylesterase 3			
1.75E-06	-0.698186	104752_at	Mm.24772	AB028863	NM_019735 cDNA sequence AB028863			
					NM_020615 ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1			Yes
1.75E-06	-0.698186	92799_g_at	Mm.12677	AA870675				Yes
1.75E-06	-0.698186	93143_at	Mm.5185	AI844196				Yes
1.75E-06	-0.698186	94365_at	Mm.25285	AA710175				
2.25E-06	0.690914	102914_s_at	Mm.196770	U23778	NM_007534 B-cell leukemia/lymphoma 2 related protein A1b	Yes		
					NM_022964 Williams-Beuren syndrome chromosome region 5 homolog			
2.25E-06	0.690914	103690_at	Mm.23955	AW125574		Yes		
2.25E-06	0.690914	94278_at	Mm.153911	D37837	NM_008879 plastin 2, L	Yes		
2.25E-06	0.690914	95661_at	Mm.2956	L08115	NM_007657 CD9 antigen			
2.25E-06	-0.690914	160661_at	Mm.21110	AI840615				Yes
2.25E-06	-0.690914	94526_at	Mm.29032	AI848453	NM_134007 expressed sequence AU043990			
2.25E-06	-0.690914	96730_at	Mm.28867	X81323	NM_009418 tripeptidyl peptidase II			
2.87E-06	0.683641	100927_at	Mm.6105	U28960	NM_011125 phospholipid transfer protein			
2.87E-06	0.683641	160489_at	Mm.4348	L24118	NM_009396 tumor necrosis factor induced protein 2	Yes		
2.87E-06	0.683641	160698_s_at	Mm.2314	AB011812	NM_011103 protein kinase C, delta			
2.87E-06	0.683641	93425_at	Mm.6479	AF028725	NM_012057 interferon regulatory factor 5			
2.87E-06	0.683641	94425_at	Mm.2639	AB007599	NM_010745 lymphocyte antigen 86	Yes		
					NM_033617 ATPase, H+ transporting, lysosomal 21kDa, V0 subunit B	Yes	Yes	
2.87E-06	0.683641	98104_at	Mm.3479	AI842889				
2.87E-06	-0.683641	102561_at		U59282				
2.87E-06	-0.683641	103087_at	Mm.17339	L02331	NM_133670 sulfotransferase, phenol preferring 1			
2.87E-06	-0.683641	92541_at	Mm.1000	X12973				
2.87E-06	-0.683641	93392_at	Mm.6254	AB010742	NM_009464 uncoupling protein 3, mitochondrial			Yes
2.87E-06	-0.683641	94241_at	Mm.182271	AI837229				
3.65E-06	0.676368	100059_at	Mm.448	M31775		Yes		
3.65E-06	0.676368	101047_at	Mm.178550	AW123697				
3.65E-06	0.676368	102326_at	Mm.10729	AB002664	NM_010877 neutrophil cytosolic factor 2			
3.65E-06	0.676368	102353_at	Mm.1137	M31039	NM_008404 integrin beta 2	Yes		
3.65E-06	0.676368	102957_at	Mm.1781	U20159	NM_010696 lymphocyte cytosolic protein 2	Yes		
3.65E-06	0.676368	103365_s_at	Mm.10081	AW215551	NM_010296 GLI-Kruppel family member GLI			
3.65E-06	0.676368	103394_at	Mm.1870	U72680	NM_008761 related to ion channel			
3.65E-06	0.676368	103448_at	Mm.21567	M83218	NM_013650 S100 calcium binding protein A8 (calgranulin A)	Yes		
3.65E-06	0.676368	160406_at	Mm.3109	AJ006033	NM_007802 cathepsin K	Yes	Yes	
3.65E-06	0.676368	93261_at	Mm.17185	AJ000990	NM_011175 protease, cysteine, 1			
3.65E-06	0.676368	95142_s_at	Mm.2945	U10407	NM_009798 capping protein beta 1			
3.65E-06	0.676368	98059_s_at	Mm.3438	D49733	NM_019390 lamin A			
3.65E-06	-0.676368	101858_at	Mm.871	AF015770	NM_009053 radical fringe gene homolog,			
3.65E-06	-0.676368	101898_s_at	Mm.88795	X16426	NM_010391 histocompatibility 2, Q region locus 10			
3.65E-06	-0.676368	102099_f_at	Mm.86933	AI843637				
3.95E-06	-0.673954	99153_at	Mm.41574	AI854607				Yes
4.64E-06	0.669095	93666_at	Mm.29266	M64360	NM_008505 LIM only 2	Yes		
4.64E-06	0.669095	96605_at	Mm.27061	AI787183				
4.64E-06	0.669095	97444_at	Mm.30241	AI844520	NM_023065 interferon gamma inducible protein 30	Yes	Yes	
4.64E-06	-0.669095	102958_at	Mm.179	U82441	NM_010095 early B-cell factor 2			
4.64E-06	-0.669095	93582_at	Mm.20634	AF080580	NM_009940 demethyl-Q 7			Yes
4.64E-06	-0.669095	95072_at	Mm.29196	AW121892	NM_025567 cytochrome c-1			Yes
4.64E-06	-0.669095	96909_at	Mm.3014	AI849803				Yes
4.64E-06	-0.669095	98575_at	Mm.3760	X13135				
5.87E-06	0.661823	101055_at	Mm.7046	J05261	NM_008906 protective protein for beta-galactosidase	Yes	Yes	
5.87E-06	0.661823	102362_i_at	Mm.1167	U20735	NM_008416 Jun-B oncogene			

**Supplemental Table 2 (cont)**

**Supplemental Data - Table 2** The 100 adipose tissue transcripts whose expression most significantly correlated with body mass are listed with uncorrected p-values, Kendall tau statistics, Affymetrix probe set identifiers, GenBank Accession numbers. A positive Kendall's tau statistic indicates a transcript with a positive correlation with body mass, while a negative one indicates a negative correlation. Transcripts that are expressed preferentially within macrophages (Mphi) and genes whose products encode lysosomal (Lys) or mitochondrial (Mito) are proteins noted.