

TABLE S1

Position		Symbol	Gene Name	Peak eQTL LOD score			
cM	start (base position)			adipose	brain	liver	muscle
40.59	66849006	c330020G15Rik	RIKEN cDNA C330020G15 gene	4.79	7.97	13.43	7.40
40.59	66851407	2310004I24Rik	RIKEN cDNA 2310004I24 gene		11.05	13.88	
40.59	66866172	Sco1	SCO cytochrome oxidase deficient homolog 1 (yeast)	7.87	8.37	45.82	50.85
40.59	66891802	Myh3	myosin, heavy polypeptide 3, skeletal muscle, embryonic	14.21	34.87	18.84	
40.59	66984568	Myh2	myosin, heavy polypeptide 2, skeletal muscle, adult		7.51		
40.59	67090626	Myh8	myosin, heavy polypeptide 8, skeletal muscle, perinatal	8.52	38.23		25.55
41.13	67268939	Gas7	growth arrest specific 7	15.86	45.85	33.12	32.26
41.13	67475004	Glp2r	glucagon-like peptide 2 receptor		57.45		4.71
41.16	67738308	Wdr16	WD repeat domain 16		84.99		85.37
41.45	68022871	Ntn1	netrin 1	15.61	5.74	13.71	13.86
41.76	68368256	Pik3r6	phosphoinositide-3-kinase, regulatory subunit 6	38.33	36.58		11.23
41.81	68369688	Mfsd6l	major facilitator superfamily domain containing 6-like	4.97			
41.95	68505061	Myh10	myosin, heavy polypeptide 10, non-muscle	14.44			
42.09	68634936	Ndel1	nuclear distribution gene E-like homolog 1 (A. nidulans)	25.60		11.62	15.53
42.21	68756659	Arhgef15	Rho guanine nucleotide exchange factor (GEF) 15			25.34	
42.24	68781633	Slc25a35	solute carrier family 25, member 35	9.21	6.56		
42.24	68785986	Rangrf	RAN guanine nucleotide release factor		20.52		
42.29	68829413	1500010J02Rik	CST complex subunit CTC1 isoform c			9.00	16.71
42.35	68884308	Tmem107	transmembrane protein 107		64.59		7.05
42.36	68901992	Vamp2	vesicle-associated membrane protein 2				4.65
42.38	68997387	Alox8	arachidonate 8-lipoxygenase		39.00		
42.52	69153963	A030009H04Rik	RIKEN cDNA A030009H04 gene		8.58		
42.63	69234311	Dnahc2	dynein, axonemal, heavy chain 2		5.05		
42.86	69413238	Atp1b2	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide				5.16
42.86	69435526	Sat2	spermidine/spermine N1-acetyl transferase 2		43.44	6.60	28.32
42.86	69470199	Mpdu1	mannose-P-dolichol utilization defect 1		17.53	22.37	10.81
42.86	69480438	Eif4a1	eukaryotic translation initiation factor 4A1	15.78	42.07	30.83	24.78
42.86	69495640	2010012P19Rik	RIKEN cDNA 2010012P19 gene	50.94	49.79	68.15	57.90
42.87	69579414	Zbtb4	zinc finger and BTB domain containing 4	4.70	43.91		
42.87	69597538	Chrnbl	cholinergic receptor, nicotinic, beta polypeptide 1 (muscle)	16.15			36.76
42.89	69636624	Nlgn2	neuroligin 2	15.16		5.62	
42.89	69652016	1810027O10Rik	RIKEN cDNA 1810027O10 gene				6.92
42.90	69660178	Plscr3	phospholipid scramblase 3		13.74	11.44	10.57

42.93	69756045	Slc2a4	solute carrier family 2 (facilitated glucose transporter), member 4	63.97			
42.94	69781724	Rai12	retinoic acid induced 12	9.84			
42.99	69906146	Asgr2	asialoglycoprotein receptor 2	24.24			
42.99	69943831	Mgl2	macrophage galactose N-acetyl-galactosamine specific lectin 2	12.60			14.41
42.99	69980125	Clec10a	C-type lectin domain family 10, member A	40.57			
42.99	70026254	Slc16a11	solute carrier family 16 (monocarboxylic acid transporters), member 11	15.72	11.42		
42.99	70030291	Slc16a13	solute carrier family 16 (monocarboxylic acid transporters), member 13	10.19			
42.99	70048708	0610010K14Rik	RIKEN cDNA 0610010K14 gene				6.00
42.99	70051626	Rnasek	ribonuclease, RNase K	5.49	43.34		31.15
42.99	70129112	Alox12e	arachidonate lipoxygenase, epidermal	16.55			
42.99	70157654	Alox15	arachidonate 15-lipoxygenase	9.07			
42.99	70206385	Pelp1	proline, glutamic acid and leucine rich protein 1		8.30		7.55
42.99	70246137	Arrb2	arrestin, beta 2	49.05	79.82	51.71	7.92
42.99	70265421	Med11	mediator of RNA polymerase II transcription, subunit 11 homolog (S. cerevisiae)	20.86	24.37		21.02
42.99	70267485	Cxcl16	chemokine (C-X-C motif) ligand 16				4.54
42.99	70272935	Zmynd15	zinc finger, MYND-type containing 15	15.31	16.07	26.75	
42.99	70332698	Gltpd2	glycolipid transfer protein domain containing 2			38.88	
42.99	70338869	Psemb6	proteasome (prosome, macropain) subunit, beta type 6	7.55	8.09	11.24	5.41
42.99	70353566	Pld2	phospholipase D2				62.75
43.0	70376392	Mink1	misshapen-like kinase 1 (zebrafish)	5.90		9.07	
43.21	70457698	Slc25a11	solute carrier family 25 (mitochondrial carrier oxoglutarate carrier), member 11				9.12
43.21	70470704	Eno3	enolase 3, beta muscle			9.54	
43.21	70477273	Spag7	sperm associated antigen 7				6.27
43.21	70501863	Inca1	inhibitor of CDK, cyclin A1 interacting protein 1	30.54	25.88	8.35	17.19
43.21	70514050	Kif1c	kinesin family member 1C				58.39
43.21	70577711	Zfp3	zinc finger protein 3			5.24	
43.21	70658280	Rabep1	rabaptin, RAB GTPase binding effector protein 1				4.81
43.21	70756560	Nup88	nucleoporin 88		12.89		11.36
43.21	70783715	Rpain	RPA interacting protein	6.42	54.15		46.55
43.21	70791338	C1qbp	complement component 1, q subcomponent binding protein		18.77		
43.21	70797593	Dhx33	DEAH (Asp-Glu-Ala-His) box polypeptide 33	33.46	19.19	46.49	12.71
43.21	70820666	Der12	Der1-like domain family, member 2		14.12		6.03
43.21	70833113	Mis12	MIS12 homolog (yeast)	35.24	18.40	19.58	
43.21	70845451	6330403K07Rik	RIKEN cDNA 6330403K07 gene		15.56		
43.21	70905738	Nlrp1a	NLR family, pyrin domain containing 1A	ND	ND	ND	ND
43.23	71055932	Nlrp1c	NLR family, pyrin domain containing 1C	ND	ND	ND	ND

43.62	71563422	Wscd1	WSC domain containing 1	12.54	15.54		10.70
43.89	71967431	4933427D14Rik	RIKEN cDNA 4933427D14 gene				5.38
43.95	72055496	Slc13a5	solute carrier family 13 (sodium-dependent citrate transporter), member 5				21.56
44.0	72127946	Fbxo39	F-box protein 39	85.48	57.51	27.71	55.02
44.03	72158224	Tekt1	tektin 1		11.03		
44.15	72202666	Smtnl2	smoothelin-like 2				4.73
44.27	72249028	Ggt6	gamma-glutamyltransferase 6				41.01
44.31	72265140	Spns2	spinster homolog 2 (Drosophila)			45.78	
45.25	73080890	Trpv3	transient receptor potential cation channel, subfamily V, member 3	9.02			
45.28	73118494	Aspa	aspartoacylase	7.27	5.24	39.12	25.02
45.76	74487451	Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1		5.23		
45.76	74584332	Mett10d	methyltransferase 10 domain containing				9.15