

QTL	Gene Name	Gene Symbol	Non-Synonymous Coding SNPs
<i>BodWt1</i>	arginine vasopressin receptor 1B	Avpr1b	1
<i>BodWt1</i>	chitinase 3-like 1	Chi3l1	2
<i>BodWt1</i>	ELK4, member of ETS oncogene family	Elk4	1
<i>BodWt1</i>	ethanolamine kinase 2	Etnk2	1
<i>BodWt1</i>	leucine-rich repeat-containing G protein-coupled receptor 6	Lgr6	1
<i>BodWt1</i>	leiomodulin 1 (smooth muscle)	Lmod1	1
<i>BodWt1</i>	leucine rich repeat protein 2, neuronal	Lrrn2	2
<i>BodWt1</i>	myosin binding protein H	Mybph	1
<i>BodWt1</i>	neuron navigator 1	Nav1	2
<i>BodWt1</i>	opticin	Optc	1
<i>BodWt1</i>	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	1
<i>BodWt1</i>	proline arginine-rich end leucine-rich repeat	Prelp	1
<i>BodWt1</i>	protein tyrosine phosphatase, non-receptor type 7	Ptpn7	1
<i>BodWt1</i>	protein tyrosine phosphatase, receptor type, V	Ptprv	1
<i>BodWt1</i>	solute carrier family 26, member 9	Slc26a9	1
<i>BodWt1</i>	transmembrane protein 183A	Tmem183a	1
<i>BodWt2</i>	RIKEN cDNA 2310021H06 gene	2310021H06Rik	2
<i>BodWt2</i>	RIKEN cDNA 4921517L17 gene	4921517L17Rik	3
<i>BodWt2</i>	RIKEN cDNA 6430550D23 gene	6430550D23Rik	4
<i>BodWt2</i>	cDNA sequence BC018465	BC018465	5
<i>BodWt2</i>	bactericidal/permeability-increasing protein-like 1	Bpil1	2
<i>BodWt2</i>	bactericidal/permeability-increasing protein-like 3	Bpil3	3
<i>BodWt2</i>	centrosomal protein 250	Cep250	18
<i>BodWt2</i>	copine I	Cpne1	2
<i>BodWt2</i>	ER degradation enhancer, mannosidase alpha-like 2	Edem2	2
<i>BodWt2</i>	erythrocyte protein band 4.1-like 1	Epb4.1l1	5
<i>BodWt2</i>	family with sequence similarity 83, member C	Fam83c	4
<i>BodWt2</i>	fer-1-like 4 (C. elegans)	Fer1l4	13
<i>BodWt2</i>	growth differentiation factor 5	Gdf5	1
<i>BodWt2</i>	gamma-glutamyltransferase 7	Ggt7	2
<i>BodWt2</i>	predicted gene 5840	Gm5840	6
<i>BodWt2</i>	myosin, heavy chain 7B, cardiac muscle, beta	Myh7b	1
<i>BodWt2</i>	nuclear receptor coactivator 6	Ncoa6	3
<i>BodWt2</i>	nitrogen fixation gene 1	Nfs1	1
<i>BodWt2</i>	PHD finger protein 20	Phf20	2
<i>BodWt2</i>	protein C receptor, endothelial	Procr	2

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<i>BodWt2</i>	parotid secretory protein	Psp	7
<i>BodWt2</i>	hnRNP-associated with lethal yellow	Raly	1
<i>BodWt2</i>	RNA binding motif protein 12	Rbm12	2
<i>BodWt2</i>	antimicrobial peptide RYA3	Rya3	3
<i>BodWt2</i>	SCAN domain-containing 1	Scand1	1
<i>BodWt2</i>	syntrophin, acidic 1	Snta1	1
<i>BodWt2</i>	cDNA sequence U46068	U46068	5
<i>BodWt2</i>	ubiquinol-cytochrome c reductase complex chaperone, CBP3 homolog (yeast)	Uqcc	1
<i>BodWt2</i>	zinc finger protein 341	Zfp341	1
<i>BodWt4</i>	RAD23b homolog (<i>S. cerevisiae</i>)	Rad23b	1
<i>BodWt6b</i>	RIKEN cDNA 5730419I09 gene	5730419I09Rik	1
<i>BodWt6b</i>	predicted gene 766	Gm766	2
<i>BodWt7</i>	cDNA sequence BC051019	BC051019	1
<i>BodWt7</i>	BTB (POZ) domain containing 10	Btbd10	1
<i>BodWt7</i>	cytochrome b5 reductase 2	Cyb5r2	3
<i>BodWt7</i>	dickkopf homolog 3 (<i>Xenopus laevis</i>)	Dkk3	2
<i>BodWt7</i>	eukaryotic translation initiation factor 3, subunit F	Eif3f	2
<i>BodWt7</i>	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 4	Galntl4	1
<i>BodWt7</i>	lymphatic vessel endothelial hyaluronan receptor 1	Lyve1	2
<i>BodWt7</i>	microtubule associated monoxygenase, calponin and LIM domain containing 2	Mical2	4
<i>BodWt7</i>	MICAL C-terminal like	Micalcl	5
<i>BodWt7</i>	MRV integration site 1	Mrvi1	6
<i>BodWt7</i>	olfactory receptor 470	Olfr470	1
<i>BodWt7</i>	olfactory receptor 473	Olfr473	1
<i>BodWt7</i>	olfactory receptor 474	Olfr474	3
<i>BodWt7</i>	olfactory receptor 476	Olfr476	2
<i>BodWt7</i>	olfactory receptor 477	Olfr477	1
<i>BodWt7</i>	olfactory receptor 478	Olfr478	1
<i>BodWt7</i>	olfactory receptor 479	Olfr479	2
<i>BodWt7</i>	olfactory receptor 480	Olfr480	3
<i>BodWt7</i>	olfactory receptor 483	Olfr483	1
<i>BodWt7</i>	olfactory receptor 484	Olfr484	2
<i>BodWt7</i>	olfactory receptor 488	Olfr488	1
<i>BodWt7</i>	olfactory receptor 490	Olfr490	1
<i>BodWt7</i>	olfactory receptor 491	Olfr491	1

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<i>BodWt7</i>	olfactory receptor 492	Olfr492	4
<i>BodWt7</i>	olfactory receptor 493	Olfr493	1
<i>BodWt7</i>	olfactory receptor 494	Olfr494	8
<i>BodWt7</i>	olfactory receptor 495	Olfr495	2
<i>BodWt7</i>	olfactory receptor 497	Olfr497	3
<i>BodWt7</i>	olfactory receptor 498	Olfr498	2
<i>BodWt7</i>	olfactory receptor 502	Olfr502	2
<i>BodWt7</i>	olfactory receptor 503	Olfr503	3
<i>BodWt7</i>	olfactory receptor 504	Olfr504	8
<i>BodWt7</i>	olfactory receptor 506	Olfr506	1
<i>BodWt7</i>	olfactory receptor 507	Olfr507	2
<i>BodWt7</i>	olfactory receptor 508	Olfr508	2
<i>BodWt7</i>	olfactory receptor 510	Olfr510	2
<i>BodWt7</i>	olfactory receptor 512	Olfr512	2
<i>BodWt7</i>	olfactory receptor 513	Olfr513	2
<i>BodWt7</i>	olfactory receptor 514	Olfr514	2
<i>BodWt7</i>	olfactory receptor 516	Olfr516	1
<i>BodWt7</i>	olfactory receptor 517	Olfr517	1
<i>BodWt7</i>	olfactory receptor 518	Olfr518	2
<i>BodWt7</i>	olfactory receptor 519	Olfr519	2
<i>BodWt7</i>	ovochymase 2	Ovch2	11
<i>BodWt7</i>	PTPRF interacting protein, binding protein 2 (liprin beta 2)	Ppfibp2	3
<i>BodWt7</i>	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	1
<i>BodWt7</i>	SET binding factor 2	Sbf2	5
<i>BodWt7</i>	signal peptide, CUB domain, EGF-like 2	Scube2	1
<i>BodWt7</i>	suppression of tumorigenicity 5	St5	1
<i>BodWt7</i>	serine/threonine kinase 33	Stk33	1
<i>BodWt7</i>	SWA-70 protein	Swap70	3
<i>BodWt7</i>	tripartite motif-containing 66	Trim66	6
<i>BodWt8</i>	acyl-CoA synthetase long-chain family member 1	Acs11	1
<i>BodWt8</i>	dual specificity phosphatase 4	Dusp4	1
<i>BodWt8</i>	myeloid leukemia factor 1 interacting protein	Mlf1ip	1
<i>BodWt8</i>	mitochondrial tumor suppressor 1	Mtus1	1
<i>BodWt8</i>	platelet-derived growth factor receptor-like	Pdgfrl	1
<i>BodWt8</i>	sarcoglycan zeta	Sgcz	1
<i>BodWt8</i>	transmembrane protein 66	Tmem66	1
<i>BodWt8</i>	zinc finger, DHHC domain containing 2	Zdhhc2	1
<i>BodWt8</i>	zinc finger protein 353	Zfp353	1

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<i>BodWt9</i>	family with sequence similarity 55, member B	Fam55b	3
<i>BodWt9</i>	family with sequence similarity 55, member D	Fam55d	1
<i>BodWt9</i>	predicted gene 4894	Gm4894	1
<i>BodWt9</i>	predicted gene 5617	Gm5617	1
<i>BodWt10</i>	RIKEN cDNA 4930547N16 gene	4930547N16Rik	2
<i>BodWt10</i>	ARP6 actin-related protein 6 homolog (yeast)	Actr6	2
<i>BodWt10</i>	ankyrin repeat and sterile alpha motif domain containing 1B	Anks1b	1
<i>BodWt10</i>	cyclin-dependent kinase 17	Cdk17	1
<i>BodWt10</i>	ELK3, member of ETS oncogene family	Elk3	3
<i>BodWt10</i>	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	Gnptab	6
<i>BodWt10</i>	nuclear receptor subfamily 1, group H, member 4	Nr1h4	4
<i>BodWt10</i>	solute carrier family 17, member 8	Slc17a8	2
<i>BodWt10</i>	UHRF1 (ICBP90) binding protein 1-like	Uhrf1bp1l	2
<i>BodWt10</i>	UTP20, small subunit (SSU) processome component, homolog	Utp20	2
<i>BodWt11</i>	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	Abcc3	5
<i>BodWt11</i>	acyl-CoA synthetase family member 2	Acsf2	1
<i>BodWt11</i>	ankyrin repeat domain 40	Ankrd40	1
<i>BodWt11</i>	beta-1,4-N-acetyl-galactosaminyl transferase 2	B4galnt2	1
<i>BodWt11</i>	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	2
<i>BodWt11</i>	CDK5 regulatory subunit associated protein 3	Cdk5rap3	3
<i>BodWt11</i>	distal-less homeobox 4	Dlx4	1
<i>BodWt11</i>	essential meiotic endonuclease 1 homolog 1	Eme1	4
<i>BodWt11</i>	epsin 3	Epn3	2
<i>BodWt11</i>	gastric inhibitory polypeptide	Gip	1
<i>BodWt11</i>	predicted gene 11541	Gm11541	1
<i>BodWt11</i>	predicted gene 11545	Gm11545	1
<i>BodWt11</i>	histone H1-like protein in spermatids 1	Hils1	1
<i>BodWt11</i>	leucine rich repeat containing 46	Lrrc46	2
<i>BodWt11</i>	mitochondrial ribosomal protein L10	Mrpl10	2
<i>BodWt11</i>	MYCBP associated protein	Mycbpap	1
<i>BodWt11</i>	nerve growth factor receptor (TNFR superfamily, member 16)	Ngfr	1
<i>BodWt11</i>	oxysterol binding protein-like 7	Osbpl7	1
<i>BodWt11</i>	pyridoxine 5'-phosphate oxidase	Pnpo	1
<i>BodWt11</i>	radical S-adenosyl methionine domain containing 1	Rsad1	1

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<i>BodWt11</i>	secernin 2	Scrn2	2
<i>BodWt11</i>	sarcoglycan, alpha (dystrophin-associated glycoprotein)	Sgca	1
<i>BodWt11</i>	src family associated phosphoprotein 1	Skap1	4
<i>BodWt11</i>	sorting nexin 11	Snx11	2
<i>BodWt11</i>	sperm associated antigen 9	Spag9	2
<i>BodWt11</i>	spermatogenesis associated 20	Spata20	3
<i>BodWt11</i>	Tmem92-ps transmembrane protein 92, pseudogene	Tmem92-ps	1
<i>BodWt11</i>	ubiquitin-conjugating enzyme E2Z	Ube2z	1
<i>BodWt11</i>	UTP18, small subunit (SSU) processome component	Utp18	2
<i>BodWt11</i>	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2	Wfikkn2	1
<i>BodWt14</i>	protocadherin 20	Pcdh20	2
<i>BodWt14</i>	protocadherin 9	Pcdh9	1