

Conserved muscle genes analysed

Drosophila melanogaster			Danio Rerio
GO category	CG number	Gene name	
Glycolysis	CG1721	Pglym78	pgam2
	CG8251	Pgi	gpia
Pyruvate metabolism	CG10160	ImpL3	ldhb, ldha
	CG7430		dldh
Oxidative phosphorylations	CG7361	RFeSP	uqcrfs1
Citrate cycle	CG7998		
ATPases	CG3725	Ca-P60A	atp2a1, atp2a2a
Other metabolism pathways	CG6022	Cchl	hccs
Nucleic Acids binding	CG5330	Nap1	nap1l1, nap1l4a
	CG10922	La	ssb
	CG5170	Dp1	hdlbp, wu:fa07b03
	CG6937		mki67ip
	CG1429	Mef2	mef2a
Amino Acids metabolism	CG2674	M(2)21AB	mat1a
	CG32031	Argk	ckma, ckmt2, zgc:56085, ckb
Protein biosynthesis	CG11267		hspe1
	CG32409		rrs1
Transporter/carrier	CG6756	Tom70	tomm70a
	CG2713	ttn50	timm50
ECM and cytoskeleton	CG4843	Tm2	tpm3, tpma, tpm2
	CG7178	WupA	tnni2a.1, tnni2a.2, tnni2a.3, tnni2a.4, tnni2b.2
	CG4376	Actn	actn3a
	CG4027	Act5C	acta1a, acta1b, acta2
	CG18290	Act87E	acta1a, acta1b, acta2
	CG10067	Act57B	acta1a, acta1b, acta2
Not known	CG9131	kisir	slmo2
	CG11444		pdap1
	CG1430	bys	bysl

All conserved muscle genes

Drosophila melanogaster			Danio Rerio
GO category	CG number	Gene name	
Glucose metabolism	CG1721	Pglym78	pgam2
	CG8251	Pgi	gpia
	CG3001	Hex-A	zgc:55926
	CG4001	Pfk	pfkma
	CG2171	Tpi	tpi1b
	CG12055	Gapdh1	gapdh
	CG3127	Pgk	pgk1
	CG7070	PyK	pkm2b
	CG31692	fbp	fbp2
	CG6767		prps1a
CG7254	GlyP	pygma	
Pyruvate metabolism	CG10160	ImpL3	ldhb, ldha
	CG7430		dldh
	CG10120	Men	me2, me3
	CG11876		pdhb
Oxidative phosphorylations	CG7361	RFeSP	uqcrfs1
	CG17246	Scs-fp	sdha
	CG17280	levy	cox6a1
	CG1746		atp5g
	CG2968		atp5d
	CG10664		cox4i1
	CG3283	SdhB	sdhb
	CG3683		ndufa8
	CG4307	Oscp	atp5o
	CG4769		cyc1
	CG6020		ndufa9
	CG6030	ATPsyn-d	atp5h
	CG6343	ND42	ndufa10
CG9140		ndufv1	
Citrate cycle	CG7998		zgc:64133
	CG12233	I(1)G0156	idh3a
ATPases	CG3725	Ca-P60A	atp2a1, atp2a2a
	CG5596	Mlc1*	zgc:77231, mylz3, zgc:66286
	CG1746		zgc:73293
	CG31045	Mhcl	myo18l1
	CG5525		cct4
	CG1416		ahsa1
Other metabolic pathways	CG6022	Cchl	hccs
	CG7356		tgm2
	CG8353		zgc:103586

<i>Nucleic Acids/ Chromatin binding</i>	CG5330	<i>Nap1</i>	<i>nap111, nap114a</i>
	CG10922	<i>La</i>	<i>ssb</i>
	CG5170	<i>Dp1</i>	<i>hdlbp, wu:fa07b03</i>
	CG6937		<i>mki67ip</i>
	CG1429	<i>Mef2*</i>	<i>mef2a, mef2ca</i>
	CG1897	<i>Msh*</i>	<i>msxe</i>
	CG5441	<i>dej*</i>	<i>mespa, mespb</i>
	CG8542	<i>Hsc70-5</i>	<i>hspa9b</i>
	CG7006		<i>nip7</i>
	CG6388		<i>im:7150454</i>
	CG6375	<i>pit</i>	<i>ddx18, pit</i>
	CG8545		<i>im:6893299</i>
	CG5258	<i>NHP2</i>	<i>nhp2</i>
	CG4882		<i>zgc:100970</i>
	CG4033	<i>Rpl35</i>	<i>zgc:66298</i>
	CG3800		<i>zff9</i>
	CG3249	<i>yu</i>	<i>akap1b</i>
	CG9809		<i>ppargc1a1, ppargc1b</i>
	CG17334	<i>lin-28</i>	<i>lin28</i>
	CG12792	<i>l(2)09851</i>	<i>grwd1</i>
CG1234		<i>noc3l</i>	
CG12101	<i>Hsp60</i>	<i>hspd1</i>	
CG11738		<i>zgc:65782</i>	
CG10565		<i>dnajc2</i>	

<i>Amino Acids metabolism</i>	CG2674	<i>M(2)21AB</i>	<i>mat1a</i>
	CG32031	<i>Argk</i>	<i>ckma, ckmt2, ckb, zgc:56085</i>
	CG11654	<i>Ahcy13</i>	<i>ahcy</i>
	CG3267		<i>si:ch211-198n5.11, pccb</i>
	CG4233	<i>Got2</i>	<i>got2b</i>
	CG5320	<i>Gdh</i>	<i>glud1a, glud1b</i>

<i>Protein biosynthesis</i>	CG11267		<i>hspe1</i>
	CG32409		<i>rrs1</i>
	CG10206	<i>nop5</i>	<i>nop58</i>
	CG12131	<i>Adam</i>	<i>zgc:55443</i>
	CG12141	<i>Aats-lys</i>	<i>kars</i>
	CG17611	<i>eIF6</i>	<i>itgb4bp4</i>
	CG4008	<i>und</i>	<i>metap2, metap2l</i>
	CG3633	<i>mRpS29</i>	<i>dap3</i>
	CG4533	<i>l(2)efl</i>	<i>hspb1, hspb8</i>
	CG4859	<i>Mmp1</i>	<i>mmp14a</i>
	CG5033		<i>bop1</i>
	CG9020		<i>rars</i>
	CG6382	<i>Elf</i>	<i>gspt1</i>
	CG2173	<i>Rs1</i>	<i>ddx27</i>
	CG5012	<i>mRpL7-L12</i>	<i>mrpl12</i>
	CG8443		<i>zgc:152873</i>

	CG6756	<i>Tom70</i>	<i>tomm70a</i>
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<i>Transporter/carrier</i>	CG2713	<i>ttm50</i>	<i>tim50</i>
	CG4994	<i>Mpcp</i>	<i>slc25a3, slc25a3l</i>
	CG9480	<i>Glycogenin</i>	<i>gyg1, gygl</i>
	CG6647	<i>porin</i>	<i>vdac2, vdac3</i>
	CG7654		<i>tomm20</i>
	CG9297		<i>LOC571928, srl</i>
	CG4239		<i>tmem38a</i>

<i>ECM and cytoskeleton</i>	CG7178	<i>WupA</i>	<i>tnni2a.1, tnni2a.2, tnni2a.3, tnni2a.4, tnni2b.2</i>
	CG4843	<i>Tm2*</i>	<i>tpm3, tpma, tpm2</i>
	CG4376	<i>Actn*</i>	<i>actn3a</i>
	CG4027	<i>Act5C*</i>	<i>acta1a, acta1b, acta2</i>
	CG18290	<i>Act87E*</i>	<i>acta1a, acta1b, acta2</i>
	CG10067	<i>Act57B*</i>	<i>acta1a, acta1b, acta2</i>
	CG10504	<i>Ilk*</i>	<i>ilk</i>
	CG18250	<i>Dg*</i>	<i>dag1</i>
	CG1915	<i>sls*</i>	<i>mybpc3, ttna, ttnb, ttnl, zgc:165344</i>
	CG31794	<i>Pax*</i>	<i>pxn</i>
	CG7107	<i>up*</i>	<i>tnnt1, tnnt3a,</i>
	CG33149	<i>Mlp60A*</i>	<i>csp3</i>
	CG3299	<i>Vinc</i>	<i>vcl</i>
	CG3960		<i>smtnl</i>

<i>Signaling</i>	CG7223	<i>htl*</i>	<i>fgfr1a, fgfr1b</i>
	CG17348	<i>drl*</i>	<i>met</i>
	CG18657	<i>NetA*</i>	<i>ntn1a</i>
	CG4125	<i>rst*</i>	<i>kirrel, kirrel3</i>
	CG11255		<i>adkb</i>
	CG6148	<i>Past1</i>	<i>ehd1</i>
	CG7981	<i>troi</i>	<i>hspg2, sid4</i>
	CG8556	<i>Rac2</i>	<i>rac3</i>
	CG9811	<i>Rgk1</i>	<i>rem1</i>

<i>Not known</i>	CG9131	<i>kisir</i>	<i>slmo2</i>
	CG11444		<i>pdap1</i>
	CG1430	<i>bys</i>	<i>bysl</i>
	CG11158		<i>si:dkey-98p3.7</i>
	CG14786		<i>lrpprc</i>
	CG17041		<i>ldb3a, ldb3b, zgc:56116</i>
	CG4405	<i>jp</i>	<i>jph2</i>
	CG5886		<i>si:dkey-34f16.1</i>
	CG6724		<i>wdr12</i>
	CG7519		<i>zgc:92611</i>
	CG7638		<i>tmem161a</i>
	CG7993		<i>bxdc1</i>
	CG8461		<i>si:dkey- 236e20.6</i>
	CG6455	<i>Motor-protein</i>	<i>immt</i>
	CG6459		<i>zgc:110137</i>

Genes expressed in *Drosophila* muscles

CG number	Gene name	Zebrafish orthologue	Zebrafish expression
CG10160	<i>ImpL3</i>	<i>ldhb, ldha</i>	muscular
CG10067	<i>Act57B</i>	<i>acta1a, acta1b, acta2</i>	muscular
CG10922	<i>La</i>	<i>ssb</i>	muscular
CG11267		<i>hspe1</i>	muscular
CG11444		<i>pdap1</i>	muscular
CG1429	<i>Mef2</i>	<i>mef2a, mef2ca</i>	muscular
CG1430	<i>bys</i>	<i>bysl</i>	muscular
CG1721	<i>Pglym78</i>	<i>pgam2</i>	muscular
CG18290	<i>Act87E</i>	<i>acta1a, acta1b, acta2</i>	muscular
CG2674	<i>M(2)21AB</i>	<i>mat1a</i>	muscular
CG2713	<i>ttn50</i>	<i>timm50</i>	muscular
CG32031	<i>Argk</i>	<i>ckma, ckmt2, ckb, zgc:56085</i>	muscular
CG32409		<i>rrs1</i>	muscular
CG3725	<i>Ca-P60A</i>	<i>atp2a1, atp2a2a</i>	muscular
CG4376	<i>Actn</i>	<i>actn3a</i>	muscular
CG4843	<i>Tm2</i>	<i>tpm3, tpma, tpm2</i>	muscular
CG5170	<i>Dp1</i>	<i>hdlbp, wu:fa07b03</i>	muscular
CG5330	<i>Nap1</i>	<i>nap1l1, nap1l4a</i>	muscular
CG6022	<i>Cchl</i>	<i>hccs</i>	muscular
CG6756	<i>Tom70</i>	<i>tomm70a</i>	muscular
CG6937		<i>mki67ip</i>	muscular
CG7178	<i>WupA</i>	<i>tnni2a.1, tnni2a.2, tnni2a.3, tnni2a.4, tnni2b.2</i>	muscular
CG7361	<i>RFeSP</i>	<i>uqcrfs1</i>	muscular
CG7430		<i>dldh</i>	muscular
CG7998		<i>zgc:64133</i>	muscular
CG8251	<i>Pgi</i>	<i>gpia</i>	muscular
CG9131	<i>kisir</i>	<i>slmo2</i>	muscular
CG4027	<i>Act5C</i>	<i>acta1a, acta1b, acta2</i>	muscular
CG10120	<i>Men</i>	<i>me2, me3</i>	muscular
CG10206	<i>nop5</i>	<i>nop58</i>	muscular
CG10504	<i>Ilk</i>	<i>ilk</i>	muscular
CG10565		<i>dnajc2</i>	muscular
CG10664		<i>cox4i1</i>	muscular
CG11158		<i>si:dkey-98p3.7</i>	muscular
CG11255		<i>adkb</i>	muscular
CG11654	<i>Ahcy13</i>	<i>ahcy</i>	muscular
CG11738		<i>zgc:65782</i>	muscular
CG11876		<i>pdhb</i>	muscular
CG12055	<i>Gapdh1</i>	<i>gapdh</i>	muscular
CG12131	<i>Adam</i>	<i>zgc:55443</i>	muscular
CG12141	<i>Aats-lys</i>	<i>kars</i>	muscular
CG12233	<i>I(1)G0156</i>	<i>idh3a</i>	muscular
CG1234		<i>noc3l</i>	muscular
CG12792	<i>I(2)09851</i>	<i>grwd1</i>	muscular
CG1416		<i>ahsa1</i>	muscular
CG14786		<i>lrpprc</i>	muscular
CG17041		<i>ldb3a, ldb3b, zgc:56116</i>	muscular
CG17246	<i>Scs-fp</i>	<i>sdha</i>	muscular
CG17280	<i>levy</i>	<i>cox6a1</i>	muscular

CG17348	<i>drl</i>	<i>met</i>	muscular
CG1746		<i>atp5g</i>	muscular
CG1746		<i>zgc:73293</i>	muscular
CG17611	<i>eIF6</i>	<i>itgb4bp4</i>	muscular
CG18250	<i>Dg</i>	<i>dag1</i>	muscular
CG18657	<i>NetA</i>	<i>ntn1a</i>	muscular
CG1897	<i>Msh</i>	<i>msxe</i>	muscular
CG1915	<i>sls</i>	<i>mybpc3, ttna, ttnb, ttnl, zgc:165344</i>	muscular
CG2171	<i>Tpi</i>	<i>tpi1b</i>	muscular
CG2968		<i>atp5d</i>	muscular
CG3001	<i>Hex-A</i>	<i>zgc:55926</i>	muscular
CG31045	<i>Mhcl</i>	<i>myo18l1</i>	muscular
CG31692	<i>fbp</i>	<i>fbp2</i>	muscular
CG31794	<i>Pax</i>	<i>pxn</i>	muscular
CG3249	<i>yu</i>	<i>akap1b</i>	muscular
CG3267		<i>si:ch211-198n5.11, pccb</i>	muscular
CG3283	<i>SdhB</i>	<i>sdhb</i>	muscular
CG3299	<i>Vinc</i>	<i>vcl</i>	muscular
CG33149	<i>Mlp60A</i>	<i>csrp3</i>	muscular
CG3633	<i>mRpS29</i>	<i>dap3</i>	muscular
CG3683		<i>ndufa8</i>	muscular
CG3800		<i>zff9</i>	muscular
CG3960		<i>smtnl</i>	muscular
CG4001	<i>Pfk</i>	<i>pfkma</i>	muscular
CG4008	<i>und</i>	<i>metap2, metap2l</i>	muscular
CG4033	<i>Rpl135</i>	<i>zgc:66298</i>	muscular
CG4125	<i>rst</i>	<i>kirrel, kirrel3</i>	muscular
CG4233		<i>got2b</i>	muscular
CG4239		<i>tmem38a</i>	muscular
CG4307	<i>Oscp</i>	<i>atp5o</i>	muscular
CG4405	<i>jp</i>	<i>jph2</i>	muscular
CG4533	<i>l(2)efl</i>	<i>hspb1, hspb8</i>	muscular
CG4769		<i>cyc1</i>	muscular
CG4859	<i>Mmp1</i>	<i>mmp14a</i>	muscular
CG4882		<i>zgc:100970</i>	muscular
CG4994	<i>Mpcp</i>	<i>slc25a3, slc25a3l</i>	muscular
CG5012	<i>mRpL7-L12</i>	<i>mrpl12</i>	muscular
CG5033		<i>bop1</i>	muscular
CG5258	<i>NHP2</i>	<i>nhp2</i>	muscular
CG5320	<i>Gdh</i>	<i>glud1a, glud1b</i>	muscular
CG5441	<i>dei</i>	<i>mespa, mespb</i>	muscular
CG5525		<i>cct4</i>	muscular
CG5596	<i>Mlc1</i>	<i>zgc:77231, mylz3, zgc:66286</i>	muscular
CG5886		<i>si:dkey-34f16.1</i>	muscular
CG6020		<i>ndufa9</i>	muscular
CG6030	<i>ATPsyn-d</i>	<i>atp5h</i>	muscular
CG6148	<i>Past1</i>	<i>ehd1</i>	muscular
CG6343	<i>ND42</i>	<i>ndufa10</i>	muscular
CG6375	<i>pit</i>	<i>ddx18, pit</i>	muscular
CG6382	<i>Elf</i>	<i>gspt1</i>	muscular
CG6455	<i>Motor-protein</i>	<i>immt</i>	muscular
CG6459		<i>zgc:110137</i>	muscular

CG6647	<i>porin</i>	<i>vdac2, vdac3</i>	muscular
CG6724		<i>wdr12</i>	muscular
CG6767		<i>prps1a</i>	muscular
CG7006		<i>nip7</i>	muscular
CG7070	<i>PyK</i>	<i>pkm2b</i>	muscular
CG7107	<i>up</i>	<i>tnnt1, tnnt3a, tnnt3b</i>	muscular
CG7223	<i>htl</i>	<i>fgfr1a, fgfr1b</i>	muscular
CG7254	<i>GlyP</i>	<i>pygma</i>	muscular
CG7356		<i>tgm2</i>	muscular
CG7519		<i>zgc:92611</i>	muscular
CG7638		<i>tmem161a</i>	muscular
CG7654		<i>tomm20</i>	muscular
CG7981	<i>trol</i>	<i>hspg2</i>	muscular
CG7981	<i>trol</i>	<i>sid4</i>	muscular
CG7993		<i>bxdc1</i>	muscular
CG8353		<i>zgc:103586</i>	muscular
CG8443		<i>zgc:152873</i>	muscular
CG8461		<i>si:dkey-236e20.6</i>	muscular
CG8542	<i>Hsc70-5</i>	<i>hspa9b</i>	muscular
CG8556	<i>Rac2</i>	<i>rac3</i>	muscular
CG9020		<i>rars</i>	muscular
CG9140		<i>ndufv1</i>	muscular
CG9297		<i>LOC571928, srl</i>	muscular
CG9480	<i>Glycogenin</i>	<i>gyg1, gygl</i>	muscular
CG9809		<i>ppargc1a, ppargc1b</i>	muscular
CG9811	<i>Rgk1</i>	<i>rem1</i>	muscular
CG2173	<i>Rs1</i>	<i>ddx27</i>	muscular
CG12101	<i>Hsp60</i>	<i>hspd1</i>	muscular
CG8545		<i>im:6893299</i>	muscular
CG6388		<i>im:7150454</i>	muscular
CG17334	<i>lin-28</i>	<i>lin28</i>	muscular
CG8376	<i>ap</i>	<i>lhx2, lhx9</i>	not in muscle
CG2098	<i>ferrochelataase</i>	<i>fech</i>	not in muscle
CG11372	<i>galectin</i>	<i>lgals2a, lgals2b, lgals9l1</i>	not in muscle
CG6992	<i>Glu-RIIA</i>	<i>si:ch211-251b21.1, LOC100151589</i>	not in muscle
CG2718	<i>Gs1</i>	<i>glula, glulb</i>	not in muscle
CG1787	<i>Hexo2</i>	<i>hexa, zgc:112084</i>	not in muscle
CG10145	<i>mspo</i>	<i>spon2a, spon2b</i>	not in muscle
CG9256	<i>NHE2</i>	<i>slc9a2, slc9a3.1, slc9a3.2</i>	not in muscle
CG2863	<i>Nle</i>	<i>zgc:110281</i>	not in muscle
CG3460	<i>Nmd3</i>	<i>nmd3</i>	not in muscle
CG3593	<i>r-1</i>	<i>zgc:55702</i>	not in muscle
CG1250	<i>sec23</i>	<i>sec23a, sec23b</i>	not in muscle
CG6725	<i>Sulf1</i>	<i>sulf1, sulf2</i>	not in muscle
CG10327	<i>TBPH</i>	<i>tardbp, tardbpl</i>	not in muscle
CG8186	<i>Vha36</i>	<i>atp6v1d</i>	not in muscle
CG18593	<i>viaf1</i>	<i>pdcl3</i>	not in muscle
CG4170	<i>vig</i>	<i>zgc:103482</i>	not in muscle
CG7433		<i>abat</i>	not in muscle
CG1444		<i>hsd17b12a, hsd17b12b</i>	not in muscle
CG1893	<i>scramb2</i>	<i>zgc:77051</i>	not in muscle
CG8058		<i>abhd3</i>	not in muscle

CG6778		si:dkey-276i5.1	not in muscle
CG4065		mak10	not in muscle
CG6543		echs1	not in muscle
CG11811		guk1, zgc:86776	not in muscle
CG5061		cap1	not in muscle
CG10724		wrd1	not in muscle
CG1814		nt5dc2	not in muscle
CG9296		pde6d, PDE6D	not in muscle
CG11658		fbxo25, fbxo32	not in muscle
CG8888		rdh1,rdh1l, rdh5, hsd11b2	not in muscle
CG4654	Dp	tfdp1, tfdp2	not in muscle
CG8107	CalpB	capn1a, capn2b,capn2l, capn3, capn9	not in muscle
CG4427	EP2237	klf11a, klf11b, LOC793794	not described
CG8933	exd	pbx2, pbx3, pbx4, zgc:158824	not described
CG2096	flw	ppp1cb	not described
CG3903	Gli	cel.1, cel.2, ces2, ces3	not described
CG2679	gol	zgc:92168, rnf128	not described
CG2835	G-salpa60A	GNAL (1 of 2), gnal, zgc:92392	not described
CG31043	gukh	nhsl1b, NHS (1 of 2), NHS (2 of 2)	not described
CG7269	Hel25E	ddx39a, ddx39b, bat1	not described
CG5277	lp259	zgc:56334	not described
CG9403	jing	aebp2	not described
CG5433	Klc	KLC4, zgc:66299, zgc:153164	not described
CG5405	KrT95D	pacs1, pacs2	not described
CG6105	l(2)06225	atp5l	not described
CG10655	l(2)37Bb	FOXRED1	not described
CG10691	l(2)37Cc	pdhb	not described
CG5504	l(2)tid	dnaja3a, dnaja3b	not described
CG1715	l(3)03670	CHCHD6 (2 of 2), chchd3	not described
CG5824	l(3)07882	NOP14	not described
CG9762	l(3)neo18	ndufb5	not described
CG14066	larp	larp1, wu:fc76b04	not described
CG31426	ligatin	lgtn	not described
CG7279	Lip1	lipf	not described
CG4677	lmd	glis3	not described
CG32171	Lmpt	fhla, fh12b, fh13	not described
CG4746	mab-2	mab211l, mab2112	not described
CG10379	mbc	dock1, dock3, dock5	not described
CG32156	Mbs	ppp1r12a, mypt2	not described
CG14981	mge	tomm22	not described
CG33208	MICAL	mical3, zgc:171928; si:dkey-153k10.11	not described
CG14080	Mkp3	dup6, dup7	not described
CG12005	Mms19	LOC563643	not described
CG4696	Mp20	cnn3a, tagln3, ccn2	not described
CG14048	mRpL14	mrpl14	not described
CG3109	mRpL16	zgc:91951	not described
CG8039	mRpL19	mrpl19	not described
CG7636	mRpL2	im:6908224	not described
CG4742	mRpL22	zgc:171911	not described
CG5242	mRpL22-L24	zgc:103495	not described
CG1320	mRpL23	mrpl23	not described

CG8849	<i>mRpL24</i>	<i>mrpl24</i>	not described
CG6949	<i>mRpL45</i>	<i>mrpl45</i>	not described
CG13922	<i>mRpL46</i>	<i>zgc:92810</i>	not described
CG17642	<i>mRpL48</i>	<i>mrpl48</i>	not described
CG17166	<i>mRpL5</i>	<i>mrpl39</i>	not described
CG31478	<i>mRpL9</i>	<i>mrpl9</i>	not described
CG5479	<i>mRpL-CI-B8</i>	<i>MRPL43</i>	not described
CG4247	<i>mRpS10</i>	<i>si:ch211-51e12.6</i>	not described
CG7354	<i>mRpS26</i>	<i>zgc:92670</i>	not described
CG8470	<i>mRpS30</i>	<i>zgc:163093</i>	not described
CG5904	<i>mRpS31</i>	<i>mrps31</i>	not described
CG7935	<i>msk</i>	<i>si:ch211-116i17.1, ipo7</i>	not described
CG33549	<i>Msp-300</i>	<i>syne1a, syne2a, syne2b</i>	not described
CG6851	<i>Mtch</i>	<i>mtch2</i>	not described
CG3743	<i>MTF-1</i>	<i>ZNF76 (1 of 2), zgc:153635, znf143, zgc:101653</i>	not described
CG8759	<i>Nacalpa</i>	<i>NACAD, naca</i>	not described
CG3944	<i>ND23</i>	<i>ndufs8, zgc:109991</i>	not described
CG2286	<i>ND75</i>	<i>ndufs1</i>	not described
CG10009	<i>Noa36</i>	<i>znf330</i>	not described
CG7421	<i>Nopp140</i>	<i>nolc1l</i>	not described
CG12752	<i>Nxt1</i>	<i>nxt2</i>	not described
CG7393	<i>p38b</i>	<i>mapk14, mpk14</i>	not described
CG11139	<i>p47</i>	<i>nsfl1c</i>	not described
CG13072	<i>PDCD-5</i>	<i>pdcd5</i>	not described
CG2087	<i>PEK</i>	<i>EIF2AK3</i>	not described
CG3127	<i>Pgk</i>	<i>pgk1</i>	not described
CG31022	<i>PH4alphaEFB</i>	<i>p4ha1, p4ha2</i>	not described
CG4003	<i>pont</i>	<i>ruvbl1</i>	not described
CG9952	<i>ppa</i>	<i>fbxl14, fbxl14a</i>	not described
CG8402	<i>PpD3</i>	<i>zgc:110801</i>	not described
CG3422	<i>Pros28.1</i>	<i>psma8</i>	not described
CG7413	<i>Rbf</i>	<i>rb1, rbl1</i>	not described
CG2161	<i>Rga</i>	<i>zgc:162316</i>	not described
CG16788	<i>RnpS1</i>	<i>RNPS1</i>	not described
CG6155	<i>Roe1</i>	<i>grpel1, LOC100004941</i>	not described
CG32096	<i>rols</i>	<i>tanc2, LOC561438</i>	not described
CG11979	<i>Rpb5</i>	<i>polr2e</i>	not described
CG4863	<i>RpL3</i>	<i>rpl3</i>	not described
CG18174	<i>Rpn11</i>	<i>zgc:162272</i>	not described
CG11271	<i>RpS12</i>	<i>rps12</i>	not described
CG4202	<i>Sas10</i>	<i>zgc:92127</i>	not described
CG1891	<i>sax</i>	<i>acvrl1</i>	not described
CG5186	<i>slim</i>	<i>klhdc10</i>	not described
CG4551	<i>smi35A</i>	<i>LOC564976</i>	not described
CG8749	<i>snRNP70K</i>	<i>snrnp70</i>	not described
CG8978	<i>Sop2</i>	<i>arpc1a, arpc1b</i>	not described
CG10121	<i>SP1173</i>	<i>zgc:101042</i>	not described
CG1539	<i>spdo</i>	<i>tmod2, tmod4</i>	not described
CG4086	<i>Su(P)</i>	<i>ptgesl</i>	not described
CG6476	<i>Su(var)3-9</i>	<i>suv39h1a, suv39h1b, eif2s3</i>	not described
CG5374	<i>T-cp1</i>	<i>tcp1</i>	not described
CG4217	<i>TFAM</i>	<i>zgc:153358</i>	not described

			not described
CG12157	Tom40	tomm40, tomm40l	not described
CG3171	Tre1	mtnr1aa, mtnr1ba, mtnr1c, mtnr1bb, mtnr1al	not described
CG9364	Treh	LOC795901	not described
CG5486	Ubp64E	usp40	not described
CG17932	Ugt36Bc	zgc:153113, zgc:136978	not described
CG31332	unc-115	zgc:158673, EPB49, ABLIM2	not described
CG3572	vimar	LOC100007961	not described
CG17437	wds	wdr5	not described
CG3278	Tif-IA	im:6893790	not described
CG8231	Tcp-1zeta	cct6a	not described
CG6751		pwp1	not described
CG11652		zgc:110702	not described
CG7915	Ect4	sarm1	not described
CG4798	l(2)k01209	uckl1	not described
CG4692		LOC402883	not described
CG5590		hndl2	not described
CG33097		tcerg1	not described
CG9005		si:dkey-266j9.3	not described
CG11015		zgc:86599, zgc:153978	not described
CG4532	pod1	zgc:112352	not described
CG13298		sf3b14	not described
CG6512		si:ch211-12e1.4	not described
CG10627		pgm3	not described
CG14206	RpS10b	rps10	not described
CG15433	Elp3	elp3	not described
CG4567		zgc:154041	not described
CG8636		eif3g	not described
CG1475	RpL13A	rpl13a	not described
CG32486		zgc:153061	not described
CG1785		zgc:123178	not described
CG33009		zgc:103473	not described
CG32920		zgc:56596	not described
CG9743		scd, scdb	not described
CG10341		si:dkey-22l11.5	not described
CG7182		hspa14	not described
CG9253		DDX47	not described
CG7987		zgc:194215	not described
CG5558		zgc:77183	not described
CG5728		pdcd11	not described
CG6904		gys1, gys2	not described
CG9300		zgc:109901	not described
CG1598		asna1	not described
CG14447		grip1, si:ch73-250d21.1	not described
CG8531		dnajc11	not described
CG5800		ddx10	not described
CG5641		ilf2	not described
CG12909		zgc:65749	not described
CG4901		NP_001093527.2	not described
CG8258		cct8	not described
CG1542		ebna1bp2l	not described
CG33505		rnu3ip2	not described

CG7712		ndufa6	not described
CG7823		<i>arhgdig, arhgdia</i>	not described
CG5537		zgc:77421	not described
CG6766		zgc:55819	not described
CG4552		tbc1d23	not described
CG30349		wdr43	not described
CG7071		tmem199	not described
CG40049	<i>mRpS5</i>	zgc:153680	not described
CG32253		bxdc2	not described
CG9246		noc2l	not described
CG11857		<i>rer1</i>	not described
CG6028		zgc:85683	not described
CG17593		<i>ccdc47</i>	not described
CG9630		ddx55	not described
CG8635		zc3h15	not described
CG33713		acbd6	not described
CG33714		C14orf156	not described
CG11151		<i>zgc:101621, C20orf79</i>	not described
CG33502		<i>zgc:110319, hirp5</i>	not described
CG7989		zgc:153384	not described
CG10286		heatr3	not described
CG13900		sf3b3	not described
CG10075		zgc:153206	not described
CG13850		<i>LOC562388, im:7147223</i>	not described
CG2263		farsa	not described
CG7718		LOC561577	not described
CG17492		<i>MIB2</i>	not described
CG4169		uqcrc2, zgc:92453	not described
CG4300		<i>sms</i>	not described
CG13185		<i>mdn1</i>	not described
CG1671		zgc:101778	not described
CG12785		nol6	not described
CG12203		ndufs4	not described
CG9663		<i>A2BFT1, zgc:16197, abcg4b</i>	not described
CG4679		ptcd3	not described
CG9306		ndufb9	not described
CG8798		lonp1	not described
CG7033		CCT2	not described
CG1371		LOC570617	not described
CG12091		<i>pptc7, B8A5W0</i>	not described
CG10535		<i>ikbkapl</i>	not described
CG11188		aatf	not described
CG3861		cs	not described
CG3394		slc27a1, zgc:153860, zgc:112138	not described
CG1354		<i>ola1</i>	not described
CG9416		ERPM1	not described
CG4069		klhdc4	not described
CG9172		ENSDARG00000074552	
CG2656		gpn3	not described
CG6769		znf622	not described
CG32344		<i>ddx54</i>	not described
CG6666		<i>sdhc</i>	not described

CG3434		qtrtd1	not described
CG7839		<i>zgc:112104, B8JLT6</i>	not described
CG9588		<i>zgc:92643</i>	not described
CG6563		<i>prmt3</i>	not described
CG8414		NOL9	not described
CG11455		ndufs5	not described
CG2221		<i>NP 001139777.1, ASWUF6</i>	not described
CG6439		<i>zgc:86647</i>	not described
CG14270		<i>zgc:110046</i>	not described
CG13126		LOC565824	not described
CG31873		agk	not described
CG11887		si:dkey-190I1.1	not described
CG5220		<i>ftsj1</i>	not described
CG7834		<i>etfb</i>	not described
CG14207		hspb3	not described
CG12151		<i>pdp2, zgc:174908</i>	not described
CG14122		<i>smynd4</i>	not described
CG3731		pmpcb, uqrc1	not described
CG1074		trmt11	not described
CG17084		gpr157	not described
CG12006		<i>zgc:63658</i>	not described
CG11980		C12orf10	not described
CG9596		<i>zgc:123193</i>	not described
CG8446		<i>zgc:152851</i>	not described
CG5037		Q08C12_DANRE	not described
CG5903		<i>zgc:110800, zgc:123314, apoob</i>	not described
CG13993		pfdn1	not described
CG4038		nola1	not described
CG6412		<i>zgc:158429</i>	not described
CG7277		<i>zgc:153379</i>	not described
CG12797		<i>ciao1, wsb1</i>	not described
CG31100		<i>slc2a8l, BOUXQ2</i>	not described
CG11837		<i>zgc:101122</i>	not described
CG8417		<i>zgc:110773</i>	not described
CG33138		<i>GBE1 (1 of 2), GBE1 (2 of 2)</i>	not described
CG9281		<i>abcf2, LOC100000576</i>	not described
CG8974		<i>zgc:73070, LOC793536</i>	not described
CG4908		bcs1l	not described
CG5660		<i>vars, vars2</i>	not described
CG2246		prpsap2, <i>zgc:91845</i>	not described
CG8029		atp6ap1, A7MBP9	not described
CG1381		<i>zgc:110388</i>	not described
CG15117		A5WW06, ENSDARG00000075319	not described
CG5241		NP_001094423.1	not described
CG8991		<i>SOBPA, si:ch211-152c2.4</i>	not described
CG7048		pfdn5	not described
CG11474		<i>zgc:110816</i>	not described
CG13424		hmx1	not described
CG4893		LOC559490, TPPP, tppp3	not described
CG9836		<i>zgc:110331, si:ch211-191d15.2</i>	not described
CG10641		si:dkey-72114.9, si:ch211- 281124.1	not described
CG3902		<i>ACADSB (2 of 2), zgc:162918</i>	not described

CG2010		NP_001091661.1	not described
CG3850		LOC568488, GLIS2 (2 of 2)	not described
CG4420		ddi2	not described
CG9194		KCNK18	not described
CG11617		MKX (2 of 2), mkxa	not described
CG5023		cnn2, cnn3a, cnn3b, tagln2, tagln, tagln3	not described
CG31999		fbln1, fbln2	not described
CG8430		zgc:152691, got1	not described
CG10479		zgc:101809, blnk	not described
CG8776		NP_001122216.1	not described
CG3376		A8WGB5	not described
CG32549		nt5c211, nt5c2a, nt5c2b	not described
CG14222		nat5	not described
CG4827		nt5e	not described
CG1572		si:dkey-11p23.3	not described
CG9710		nudc	not described
CG3542		prpf40a	not described
CG10361		gcat	not described
CG4945		bsk146, zgc:172086	not described
CG8713		KCNK18	not described
CG7461		acadvl	not described
CG9426		zgc:171487	not described
CG11523		zgc:55683	not described
CG9779		vps24	not described
CG6017		zdhhc13, NP_001121854.1	not described
CG10428		zgc:110248	not described
CG1776		mylk2, mylk3, mylk4	not described
CG15105		trimb3, zgc:113099	not described
CG6106		zgc:103559	not described
CG10610	ECSIT	ecsit	not described
CG11217	CanB2	zgc:92169, PPP3R2 (2 of 2)	not described
CG11417		zgc:66241	not described
CG11471	Aats-ile	iars	not described
CG12135	c12.1	zgc:86607	not described
CG12530	Cdc42	cdc42, cdc42l, cdc42l2	not described
CG13348	Aats-phe	zgc:173439	not described
CG13377		zgc:113142, zgc:163053	not described
CG14622	DAAM	daam1, daam1l, daam2	not described
CG14996	Chd64	cnn2, cnn3a, cnn3b, tagln2, tagln, tagln3	not described
CG17158	cpb	CAPZB	not described
CG2210	awd	nme2, nme2l, ndpkz2, ndpkz3	not described
CG3140	Adk2	ak2	not described
CG31732	yuri	RB1CC1	not described
CG3265	Eb1	mapre1, mapre1l	not described
CG33071		acbd6	not described
CG3365	drongo	agfg1a, agfg1b	not described
CG3644	bic	btf3, btf3l4	not described
CG4051	egl	zgc:154068	not described
CG4886	cyp33	ppie	not described
CG5254		slc25a21	not described
CG5268	blp	zgc:73356	not described
CG5353	Aats-thr	zgc:92586	not described

CG5594		im:7162646, SLC12A7 (1 of 2)	not described
CG5992	<i>Adgf-A</i>	<i>cecr1a, cecr1b</i>	not described
CG7115		<i>zgc:154091, zgc:153235</i>	not described
CG7516		<i>nol10</i>	not described
CG7610	<i>ATPsyn-gamma</i>	<i>atp5c1</i>	not described
CG7902	<i>bap</i>	<i>nkx3.2, zgc:113257</i>	not described
CG8049	<i>Btk29A</i>	<i>itk, btk</i>	not described
CG8173		<i>pbk</i>	not described
CG8439	<i>Cct5</i>	<i>cct5</i>	not described
CG8920		<i>tdrd7</i>	not described
CG8977	<i>Cctgamma</i>	<i>cct3</i>	not described
CG9031		<i>rsu1</i>	not described
CG9177	<i>eIF5</i>	<i>EIF5</i>	not described
CG9446	<i>coro</i>	<i>coro1a, coro1b, coro1ca</i>	not described
CG14025	<i>Bsg25D</i>	<i>nin</i>	not described
CG2505	<i>alpha-Est2</i>	<i>Not conserved</i>	
CG4944	<i>cib</i>	<i>Not conserved</i>	
CG10798	<i>dm</i>	<i>Not conserved</i>	
CG6544	<i>fau</i>	<i>Not conserved</i>	
CG3095	<i>hfw</i>	<i>Not conserved</i>	
CG33045	<i>Kaz1</i>	<i>Not conserved</i>	
CG1483	<i>Map205</i>	<i>Not conserved</i>	
CG14233	<i>meso18E</i>	<i>Not conserved</i>	
CG2184	<i>Mlc2</i>	<i>Not conserved</i>	
CG10781	<i>ng1</i>	<i>Not conserved</i>	
CG1685	<i>pen</i>	<i>Not conserved</i>	
CG3969	<i>PR2</i>	<i>Not conserved</i>	
CG2928	<i>Reg-5</i>	<i>Not conserved</i>	
CG7104	<i>Spz3</i>	<i>Not conserved</i>	
CG7869	<i>SuUR</i>	<i>Not conserved</i>	
CG6586	<i>tan</i>	<i>Not conserved</i>	
CG6889	<i>tara</i>	<i>Not conserved</i>	
CG7930	<i>TpnC73F</i>	<i>Not conserved</i>	
CG33261	<i>Trl</i>	<i>Not conserved</i>	
CG12142	<i>Tsp42EG</i>	<i>Not conserved</i>	
CG6531	<i>wgn</i>	<i>Not conserved</i>	
CG12576		<i>Not conserved</i>	
CG30118		<i>Not conserved</i>	
CG7271		<i>Not conserved</i>	
CG33207	<i>pxb</i>	<i>Not conserved</i>	
CG8788		<i>Not conserved</i>	
CG15304	<i>Neb-cGB</i>	<i>Not conserved</i>	
CG11076		<i>Not conserved</i>	
CG13005		<i>Not conserved</i>	
CG18273		<i>Not conserved</i>	
CG9330		<i>Not conserved</i>	
CG10732		<i>Not conserved</i>	
CG30023		<i>Not conserved</i>	
CG3371		<i>Not conserved</i>	
CG12592		<i>Not conserved</i>	
CG2206		<i>Not conserved</i>	
CG8289		<i>Not conserved</i>	
CG11555		<i>Not conserved</i>	

CG1910		<i>Not conserved</i>
CG1091		<i>Not conserved</i>
CG32625		<i>Not conserved</i>
CG8366		<i>Not conserved</i>
CG10638		<i>Not conserved</i>
CG12819		<i>Not conserved</i>
CG13220		<i>Not conserved</i>
CG14482		<i>Not conserved</i>
CG11771		<i>Not conserved</i>
CG18600		<i>Not conserved</i>
CG2199		<i>Not conserved</i>
CG15717		<i>Not conserved</i>
CG7630		<i>Not conserved</i>
CG32278		<i>Not conserved</i>
CG5080		<i>Not conserved</i>
CG33217		<i>Not conserved</i>
CG9866		<i>Not conserved</i>
CG7920		<i>Not conserved</i>
CG32043		<i>Not conserved</i>
CG32813		<i>Not conserved</i>
CG2003		<i>Not conserved</i>
CG3420		<i>Not conserved</i>
CG8229		<i>Not conserved</i>
CG15064		<i>Not conserved</i>
CG8010		<i>Not conserved</i>
CG6463		<i>Not conserved</i>
CG18809		<i>Not conserved</i>
CG14687		<i>Not conserved</i>
CG3509		<i>Not conserved</i>
CG10669		<i>Not conserved</i>
CG1648		<i>Not conserved</i>
CG12400		<i>Not conserved</i>
CG7458		<i>Not conserved</i>
CG9795		<i>Not conserved</i>
CG10462		<i>Not conserved</i>
CG13503		<i>Not conserved</i>
CG5381		<i>Not conserved</i>
CG8503		<i>Not conserved</i>
CG7526		<i>Not conserved</i>
CG1647		<i>Not conserved</i>
CG6972		<i>Not conserved</i>
CG17572		<i>Not conserved</i>
CG33521		<i>Not conserved</i>
CG10710		<i>Not conserved</i>
CG32355		<i>Not conserved</i>
CG14655		<i>Not conserved</i>
CG10654		<i>Not conserved</i>
CG12701		<i>Not conserved</i>
CG4726		<i>Not conserved</i>
CG17032		<i>Not conserved</i>
CG5690		<i>Not conserved</i>
CG18854		<i>Not conserved</i>
CG18754		<i>Not conserved</i>

CG6429		<i>Not conserved</i>
CG4984		<i>Not conserved</i>
CG5177		<i>Not conserved</i>
CG1674		<i>Not conserved</i>
CG13949		<i>Not conserved</i>
CG31781		<i>Not conserved</i>
CG6803		<i>Not conserved</i>
CG18136		<i>Not conserved</i>

Genes expressed in zebrafish muscles

Gene name	<i>Drosophila</i> orthologue		<i>Drosophila</i> expression
	CG number	Gene name	
<i>atp2a1</i>	CG3725	<i>Ca-P60A</i>	muscular
<i>atp2a2a</i>	CG3725	<i>Ca-P60A</i>	muscular
<i>bysl</i>	CG1430	<i>bys</i>	muscular
<i>ckb</i>	CG32031	<i>Argk</i>	muscular
<i>ckma</i>	CG32031	<i>Argk</i>	muscular
<i>ckmt2</i>	CG32031	<i>Argk</i>	muscular
<i>dldh</i>	CG7430		muscular
<i>gpia</i>	CG8251	<i>Pgi</i>	muscular
<i>hccs</i>	CG6022	<i>Cchl</i>	muscular
<i>hdlbp</i>	CG5170	<i>Dp1</i>	muscular
<i>hspe1</i>	CG11267		muscular
<i>ldha</i>	CG10160	<i>ImpL3</i>	muscular
<i>ldhb</i>	CG10160	<i>ImpL3</i>	muscular
<i>mat1a</i>	CG2674	<i>M(2)21AB</i>	muscular
<i>mki67ip</i>	CG6937		muscular
<i>nap1l1</i>	CG5330	<i>Nap1</i>	muscular
<i>nap1l4a</i>	CG5330	<i>Nap1</i>	muscular
<i>pdap1</i>	CG11444		muscular
<i>pgam2</i>	CG1721	<i>Pglym78</i>	muscular
<i>rrs1</i>	CG32409		muscular
<i>slmo2</i>	CG9131	<i>kisir</i>	muscular
<i>ssb</i>	CG10922	<i>La</i>	muscular
<i>timm50</i>	CG2713	<i>ttm50</i>	muscular
<i>tnni2a.1</i>	CG7178	<i>WupA</i>	muscular
<i>tnni2a.2</i>	CG7178	<i>WupA</i>	muscular
<i>tnni2a.3</i>	CG7178	<i>WupA</i>	muscular
<i>tnni2a.4</i>	CG7178	<i>WupA</i>	muscular
<i>tnni2b.2</i>	CG7178	<i>WupA</i>	muscular
<i>tomm70a</i>	CG6756	<i>Tom70</i>	muscular
<i>tpm2</i>	CG4843	<i>Tm2</i>	muscular
<i>tpm3</i>	CG4843	<i>Tm2</i>	muscular
<i>tpma</i>	CG4843	<i>Tm2</i>	muscular
<i>uqcrfs1</i>	CG7361	<i>RFeSP</i>	muscular
<i>wu:fa07b03</i>	CG5170	<i>Dp1</i>	muscular
<i>zgc:56085</i>	CG32031	<i>Argk</i>	muscular
<i>zgc:64133</i>	CG7998		muscular
<i>acta1a</i>	CG10067, CG18290, CG4027	<i>Act57B, Act87E, Act5C</i>	muscular
<i>acta1b</i>	CG10067, CG18290, CG4027	<i>Act57B, Act87E, Act5C</i>	muscular
<i>acta2</i>	CG10067, CG18290, CG4027	<i>Act57B, Act87E, Act5C</i>	muscular
<i>actn3a</i>	CG4376	<i>Actn</i>	muscular
<i>adkb</i>	CG11255		muscular
<i>ahcy</i>	CG11654	<i>Ahcy13</i>	muscular
<i>ahsa1</i>	CG1416		muscular
<i>akap1b</i>	CG3249	<i>yu</i>	muscular
<i>atp5d</i>	CG2968		muscular
<i>atp5g</i>	CG1746		muscular

<i>atp5h</i>	CG6030	ATPsyn-d	<i>muscular</i>
<i>atp5o</i>	CG4307	Oscp	<i>muscular</i>
<i>bop1</i>	CG5033		<i>muscular</i>
<i>bxdc1</i>	CG7993		<i>muscular</i>
<i>cct4</i>	CG5525		<i>muscular</i>
<i>cox4i1</i>	CG10664		<i>muscular</i>
<i>cox6a1</i>	CG17280	<i>levy</i>	<i>muscular</i>
<i>csrp3</i>	CG33149	<i>Mlp60A</i>	<i>muscular</i>
<i>cyc1</i>	CG4769		<i>muscular</i>
<i>dag1</i>	CG18250	<i>Dg</i>	<i>muscular</i>
<i>dap3</i>	CG3633	<i>mRpS29</i>	<i>muscular</i>
<i>ddx18</i>	CG6375	<i>pit</i>	<i>muscular</i>
<i>pit</i>	CG6375	<i>pit</i>	<i>muscular</i>
<i>ddx27</i>	CG2173	<i>Rs1</i>	<i>muscular</i>
<i>dnajc2</i>	CG10565		<i>muscular</i>
<i>ehd1</i>	CG6148	<i>Past1</i>	<i>muscular</i>
<i>fbp2</i>	CG31692	<i>fbp</i>	<i>muscular</i>
<i>fgfr1a</i>	CG7223	<i>htl</i>	<i>muscular</i>
<i>fgfr1b</i>	CG7223	<i>htl</i>	<i>muscular</i>
<i>gapdh</i>	CG12055	<i>Gapdh1</i>	<i>muscular</i>
<i>glud1a</i>	CG5320	<i>Gdh</i>	<i>muscular</i>
<i>glud1b</i>	CG5320	<i>Gdh</i>	<i>muscular</i>
<i>got2b</i>	CG4233		<i>muscular</i>
<i>grwd1</i>	CG12792	<i>I(2)09851</i>	<i>muscular</i>
<i>gspt1</i>	CG6382	<i>Elf</i>	<i>muscular</i>
<i>gyg1</i>	CG9480	<i>Glycogenin</i>	<i>muscular</i>
<i>gygl</i>	CG9480	<i>Glycogenin</i>	<i>muscular</i>
<i>hspa9b</i>	CG8542	<i>Hsc70-5</i>	<i>muscular</i>
<i>hs pb1</i>	CG4533	<i>I(2)efl</i>	<i>muscular</i>
<i>hs pb8</i>	CG4533	<i>I(2)efl</i>	<i>muscular</i>
<i>hspd1</i>	CG12101	<i>Hsp60</i>	<i>muscular</i>
<i>hspg2</i>	CG7981	<i>trol</i>	<i>muscular</i>
<i>idh3a</i>	CG12233		<i>muscular</i>
<i>ilk</i>	CG10504	<i>Ilk</i>	<i>muscular</i>
<i>im:6893299</i>	CG8545		<i>muscular</i>
<i>im:7150454</i>	CG6388		<i>muscular</i>
<i>immt</i>	CG6455	<i>Motor-protein</i>	<i>muscular</i>
<i>itgb4bp4</i>	CG17611	<i>eIF6</i>	<i>muscular</i>
<i>jph2</i>	CG4405	<i>jp</i>	<i>muscular</i>
<i>kars</i>	CG12141	<i>Aats-lys</i>	<i>muscular</i>
<i>kirrel</i>	CG4125	<i>rst</i>	<i>muscular</i>
<i>kirrel3</i>	CG4125	<i>rst</i>	<i>muscular</i>
<i>ldb3a</i>	CG17041		<i>muscular</i>
<i>ldb3b</i>	CG17041		<i>muscular</i>
<i>lin28</i>	CG17334	<i>lin-28</i>	<i>muscular</i>
<i>LOC571928</i>	CG9297		<i>muscular</i>
<i>srl</i>	CG9297		<i>muscular</i>
<i>lrpprc</i>	CG14786		<i>muscular</i>
<i>me2</i>	CG10120	<i>Men</i>	<i>muscular</i>
<i>me3</i>	CG10120	<i>Men</i>	<i>muscular</i>
<i>mef2a</i>	CG1429	<i>Mef2</i>	<i>muscular</i>
<i>mef2ca</i>	CG1429	<i>Mef2</i>	<i>muscular</i>
<i>mespa</i>	CG5441	<i>dei</i>	<i>muscular</i>

<i>mespb</i>	CG5441	<i>dei</i>	<i>muscular</i>
<i>met</i>	CG17348	<i>drl</i>	<i>muscular</i>
<i>metap2</i>	CG4008	<i>und</i>	<i>muscular</i>
<i>metap2l</i>	CG4008	<i>und</i>	<i>muscular</i>
<i>mmp14a</i>	CG4859	<i>Mmp1</i>	<i>muscular</i>
<i>mrpl12</i>	CG5012	<i>mRpL7-L12</i>	<i>muscular</i>
<i>msxe</i>	CG1897	<i>Msh</i>	<i>muscular</i>
<i>mybpc3</i>	CG1915	<i>sls</i>	<i>muscular</i>
<i>ttna</i>	CG1916	<i>sls</i>	<i>muscular</i>
<i>ttnb</i>	CG1917	<i>sls</i>	<i>muscular</i>
<i>ttnl</i>	CG1918	<i>sls</i>	<i>muscular</i>
<i>myo18l1</i>	CG31045	<i>Mhcl</i>	<i>muscular</i>
<i>ndufa10</i>	CG6343	<i>ND42</i>	<i>muscular</i>
<i>ndufa8</i>	CG3683		<i>muscular</i>
<i>ndufa9</i>	CG6020		<i>muscular</i>
<i>ndufv1</i>	CG9140		<i>muscular</i>
<i>nhp2</i>	CG5258	<i>NHP2</i>	<i>muscular</i>
<i>nip7</i>	CG7006		<i>muscular</i>
<i>noc3l</i>	CG1234		<i>muscular</i>
<i>nop58</i>	CG10206	<i>nop5</i>	<i>muscular</i>
<i>ntn1a</i>	CG18657	<i>NetA</i>	<i>muscular</i>
<i>pccb</i>	CG3267		
<i>pdhb</i>	CG11876		<i>muscular</i>
<i>pfkma</i>	CG4001	<i>Pfk</i>	<i>muscular</i>
<i>pkm2b</i>	CG7070	<i>PyK</i>	<i>muscular</i>
<i>ppargc1a1</i>	CG9809		<i>muscular</i>
<i>ppargc1b</i>	CG9809		<i>muscular</i>
<i>prps1a</i>	CG6767		<i>muscular</i>
<i>pxn</i>	CG31794	<i>Pax</i>	<i>muscular</i>
<i>pygma</i>	CG7254	<i>GlyP</i>	<i>muscular</i>
<i>rac3</i>	CG8556	<i>Rac2</i>	<i>muscular</i>
<i>rars</i>	CG9020		<i>muscular</i>
<i>rem1</i>	CG9811	<i>Rgk1</i>	<i>muscular</i>
<i>sdha</i>	CG17246	<i>Scs-fp</i>	<i>muscular</i>
<i>sdhb</i>	CG3283	<i>SdhB</i>	<i>muscular</i>
<i>si:ch211-198n5.11</i>	CG3267		<i>muscular</i>
<i>si:dkey-236e20.6</i>	CG8461		<i>muscular</i>
<i>si:dkey-34f16.1</i>	CG5886		<i>muscular</i>
<i>si:dkey-98p3.7</i>	CG11158		<i>muscular</i>
<i>sid4</i>	CG7981	<i>trol</i>	<i>muscular</i>
<i>slc25a3</i>	CG4994	<i>Mpcp</i>	<i>muscular</i>
<i>slc25a3l</i>	CG4994	<i>Mpcp</i>	<i>muscular</i>
<i>smtnl</i>	CG3960		<i>muscular</i>
<i>tgm2</i>	CG7356		<i>muscular</i>
<i>tmem161a</i>	CG7638		<i>muscular</i>
<i>tmem38a</i>	CG4239		<i>muscular</i>
<i>tnnt1</i>	CG7107	<i>up</i>	<i>muscular</i>
<i>tnnt3a</i>	CG7108	<i>up</i>	<i>muscular</i>
<i>tnnt3b</i>	CG7109	<i>up</i>	<i>muscular</i>
<i>tomm20</i>	CG7654		<i>muscular</i>
<i>tpi1b</i>	CG2171	<i>Tpi</i>	<i>muscular</i>
<i>vcl</i>	CG3299	<i>Vinc</i>	<i>muscular</i>
<i>vdac2</i>	CG6647	<i>porin</i>	<i>muscular</i>

<i>vdac3</i>	CG6647	<i>porin</i>	<i>muscular</i>
<i>wdr12</i>	CG6724		<i>muscular</i>
<i>zff9</i>	CG3800		<i>muscular</i>
<i>zgc:100970</i>	CG4882		<i>muscular</i>
<i>zgc:103586</i>	CG8353		<i>muscular</i>
<i>zgc:110137</i>	CG6459		<i>muscular</i>
<i>zgc:152873</i>	CG8443		<i>muscular</i>
<i>zgc:165344</i>	CG1915	<i>sls</i>	<i>muscular</i>
<i>zgc:55443</i>	CG12131	<i>Adam</i>	<i>muscular</i>
<i>zgc:55926</i>	CG3001	<i>Hex-A</i>	<i>muscular</i>
<i>zgc:56116</i>	CG17041		<i>muscular</i>
<i>zgc:65782</i>	CG11738		<i>muscular</i>
<i>zgc:66298</i>	CG4033	<i>Rpll35</i>	<i>muscular</i>
<i>zgc:73293</i>	CG1746		<i>muscular</i>
<i>zgc:77231</i>	CG5596	<i>Mlc1</i>	<i>muscular</i>
<i>mylz3</i>	CG5596	<i>Mlc1</i>	<i>muscular</i>
<i>zgc:66286</i>	CG5596	<i>Mlc1</i>	<i>muscular</i>
<i>zgc:92611</i>	CG7519		<i>muscular</i>
<i>abca1b</i>	CG9366	<i>Rhol</i>	<i>not in muscle</i>
<i>ahcyl2</i>	CG8956	<i>Ahcy89E</i>	<i>not in muscle</i>
<i>aldh6a1</i>	CG17896		<i>not in muscle</i>
<i>anxa11</i>	CG9968	<i>Anxb11</i>	<i>not in muscle</i>
<i>atp1b1a</i>	CG8663 - CG9258		<i>not in muscle</i>
<i>atp1b2b</i>	CG8663		<i>not in muscle</i>
<i>atp1b3b</i>	CG8663 - CG9258		<i>not in muscle</i>
<i>bin1</i>	CG8604	<i>Amph</i>	<i>not in muscle</i>
<i>brf1</i>	CG31256		<i>not in muscle</i>
<i>c10orf119</i>	CG3430		<i>not in muscle</i>
<i>cbx5</i>	CG8409	<i>Su(var)205</i>	<i>not in muscle</i>
<i>ccna2</i>	CG5940	<i>CycA</i>	<i>not in muscle</i>
<i>cdon</i>	CG9211	<i>iHog</i>	<i>not in muscle</i>
<i>cdx4</i>	CG1759		<i>not in muscle</i>
<i>cnp</i>	CG12918		<i>not in muscle</i>
<i>ctps</i>	CG6854		<i>not in muscle</i>
<i>cutl1</i>	CG11387	<i>ct</i>	<i>not in muscle</i>
<i>dld</i>	CG3619	<i>DI</i>	<i>not in muscle</i>
<i>dmd</i>	CG12265	<i>Det</i>	<i>not in muscle</i>
<i>eif4ebp3</i>	CG8846	<i>Thor</i>	<i>not in muscle</i>
<i>enah</i>	CG15112	<i>ena</i>	<i>not in muscle</i>
<i>eng1a</i>	CG9015	<i>en</i>	<i>not in muscle</i>
<i>eng1b</i>	CG9015	<i>en</i>	<i>not in muscle</i>
<i>eng2a</i>	CG9015	<i>en</i>	<i>not in muscle</i>
<i>eya4</i>	CG9554	<i>eya</i>	<i>not in muscle</i>
<i>fam46ba</i>	CG30497		<i>not in muscle</i>
<i>fam46c</i>	CG30497		<i>not in muscle</i>
<i>fat</i>	CG33147	<i>Hs3st-A</i>	<i>not in muscle</i>
<i>fgf3</i>	CG4608	<i>bnl</i>	<i>not in muscle</i>
<i>fkbp10</i>	CG9847	<i>Fkbp13</i>	<i>not in muscle</i>
<i>flj20195l</i>	CG14722		<i>not in muscle</i>
<i>flot1a</i>	CG8200	<i>Flo</i>	<i>not in muscle</i>
<i>flot1b</i>	CG8200	<i>Flo</i>	<i>not in muscle</i>
<i>gmnn</i>	CG3183	<i>geminin</i>	<i>not in muscle</i>
<i>gnaia</i>	CG10060	<i>G-ialpha65A</i>	<i>not in muscle</i>

<i>gpd2</i>	CG8256	<i>Gpo-1</i>	<i>not in muscle</i>
<i>gstm</i>	CG8938	<i>GstS1</i>	<i>not in muscle</i>
<i>homer1</i>	CG11324	<i>homer</i>	<i>not in muscle</i>
<i>hoxc6a</i>	CG10388	<i>Ubx</i>	<i>not in muscle</i>
<i>hoxc8a</i>	CG1028	<i>Antp</i>	<i>not in muscle</i>
<i>idh1</i>	CG7176	<i>Idh</i>	<i>not in muscle</i>
<i>ifrd2</i>	CG31694		<i>not in muscle</i>
<i>im:6894693</i>	CG10078	<i>Prat2</i>	<i>not in muscle</i>
<i>im:6899520</i>	CG9326	<i>vari</i>	<i>not in muscle</i>
<i>im:7138336</i>	CG1815		<i>not in muscle</i>
<i>im:7145460</i>	CG31721	<i>Trim9</i>	<i>not in muscle</i>
<i>im:7145545</i>	CG11495	<i>rasp</i>	<i>not in muscle</i>
<i>itga6</i>	CG1771	<i>mew</i>	<i>not in muscle</i>
<i>ktn1</i>	CG18212	<i>alt</i>	<i>not in muscle</i>
<i>lfng</i>	CG10580	<i>fng</i>	<i>not in muscle</i>
<i>lfng</i>	CG10580	<i>fng</i>	<i>not in muscle</i>
<i>lman1</i>	CG6831	<i>rhea</i>	<i>not in muscle</i>
<i>lmo7a</i>	CG31534		<i>not in muscle</i>
<i>mad2l1</i>	CG17498	<i>mad2</i>	<i>not in muscle</i>
<i>mcam</i>	CG5803	<i>Fas3</i>	<i>not in muscle</i>
<i>mcm3</i>	CG4206	<i>Mcm3</i>	<i>not in muscle</i>
<i>mgc4504</i>	CG10365		<i>not in muscle</i>
<i>mylip</i>	CG12489		<i>not in muscle</i>
<i>nav3</i>	CG42589	<i>sick</i>	<i>not in muscle</i>
<i>ndel1b</i>	CG8104		<i>not in muscle</i>
<i>nlz1</i>	CG4491		<i>not in muscle</i>
<i>nmd3</i>	CG3460	<i>Nmd3</i>	<i>not in muscle</i>
<i>oxct1</i>	CG1140		<i>not in muscle</i>
<i>papss2</i>	CG8363	<i>Papss</i>	<i>not in muscle</i>
<i>pax7</i>	CG6716	<i>prd</i>	<i>not in muscle</i>
<i>pck1</i>	CG17725	<i>Pepck</i>	<i>not in muscle</i>
<i>pcna</i>	CG9193	<i>mus209</i>	<i>not in muscle</i>
<i>pfkfb1</i>	CG3400	<i>Pfrx</i>	<i>not in muscle</i>
<i>pitx3</i>	CG1447	<i>Ptx1</i>	<i>not in muscle</i>
<i>plu1</i>	CG9088	<i>lid</i>	<i>not in muscle</i>
<i>prox1</i>	CG17228	<i>pros</i>	<i>not in muscle</i>
<i>quo</i>	CG10571	<i>ara</i>	<i>not in muscle</i>
<i>rcc1</i>	CG32717	<i>sdt</i>	<i>not in muscle</i>
<i>rdx</i>	CG10701	<i>moe</i>	<i>not in muscle</i>
<i>rhov</i>	CG34104		<i>not in muscle</i>
<i>rnd3a</i>	CG9366	<i>RhoL</i>	<i>not in muscle</i>
<i>rrbp1</i>	CG18212	<i>alt</i>	<i>not in muscle</i>
<i>rtn3</i>	CG33113	<i>Rtn1</i>	<i>not in muscle</i>
<i>sall4</i>	CG4881	<i>salr</i>	<i>not in muscle</i>
<i>scarb1</i>	CG3829, CG2727, CG4280, CG12789	<i>emp, crq, santa-maria</i>	<i>not in muscle</i>
<i>sh3gl1</i>	CG14296	<i>endoA</i>	<i>not in muscle</i>
<i>slc25a12</i>	CG18347		<i>not in muscle</i>
<i>slc25a22</i>	CG18347		<i>not in muscle</i>
<i>slc4a4a</i>	CG42253	<i>Ndae1</i>	<i>not in muscle</i>
<i>snai1a</i>	CG3956	<i>sna</i>	<i>not in muscle</i>
<i>snai1b</i>	CG3956	<i>sna</i>	<i>not in muscle</i>
<i>snai2</i>	CG3956	<i>sna</i>	<i>not in muscle</i>
<i>sparc</i>	CG6378	<i>BM-40-SPARC</i>	<i>not in muscle</i>

<i>spon1b</i>	CG17739		<i>not in muscle</i>
<i>src</i>	CG7524	<i>Src64B</i>	<i>not in muscle</i>
<i>surf4l</i>	CG6202	<i>Surf4</i>	<i>not in muscle</i>
<i>tceb2</i>	CG4204	<i>Elongin-B</i>	<i>not in muscle</i>
<i>tead3</i>	CG8544	<i>sd</i>	<i>not in muscle</i>
<i>tgfb1</i>	CG3359-PJ	<i>mfas</i>	<i>not in muscle</i>
<i>traf4a</i>	CG3048	<i>Traf1</i>	<i>not in muscle</i>
<i>tsc22d2</i>	CG42281	<i>bun</i>	<i>not in muscle</i>
<i>txnip</i>	CG7047		<i>not in muscle</i>
<i>wnt11</i>	CG8458, CG4889	<i>wntD, wg</i>	<i>not in muscle</i>
<i>wnt11r</i>	CG8458, CG4889	<i>wntD, wg</i>	<i>not in muscle</i>
<i>xbp1</i>	CG9415	<i>Xbp1</i>	<i>not in muscle</i>
<i>zgc:100990</i>	CG7719	<i>gwl</i>	<i>not in muscle</i>
<i>zgc:101050</i>	CG31721	<i>Trim9</i>	<i>not in muscle</i>
<i>zgc:110656</i>	CG33104	<i>eca</i>	<i>not in muscle</i>
<i>zgc:113518</i>	CG8474, CG14938	<i>Meics, crol</i>	<i>not in muscle</i>
<i>zgc:15867</i>	CG10763	<i>Gbeta5</i>	<i>not in muscle</i>
<i>zgc:162269</i>	CG7265		<i>not in muscle</i>
<i>zgc:55309</i>	CG32066		<i>not in muscle</i>
<i>zgc:55345</i>	CG1986, CG2985	<i>Yp1</i>	<i>not in muscle</i>
<i>zgc:56140</i>	CG4306		<i>not in muscle</i>
<i>zgc:64114</i>	CG7533	<i>chrb</i>	<i>not in muscle</i>
<i>zgc:64136</i>	CG7156		<i>not in muscle</i>
<i>zgc:77254</i>	CG8205	<i>fus</i>	<i>not in muscle</i>
<i>zgc:77905</i>	CG32626		<i>not in muscle</i>
<i>zgc:85948</i>	CG4816	<i>qkr54B</i>	<i>not in muscle</i>
<i>zgc:86646</i>	CG9148	<i>scf</i>	<i>not in muscle</i>
<i>zgc:86757</i>	CG31721	<i>Trim9</i>	<i>not in muscle</i>
<i>zgc:86841</i>	CG15081	<i>l(2)03709</i>	<i>not in muscle</i>
<i>zic1</i>	CG1133	<i>opa</i>	<i>not in muscle</i>
<i>znf503</i>	CG4491	<i>noc</i>	<i>not in muscle</i>
<i>abce1</i>	CG5651	<i>pix</i>	<i>not described</i>
<i>abl2</i>	CG4032	<i>Abl</i>	<i>not described</i>
<i>aco2</i>	CG9244	<i>Acon</i>	<i>not described</i>
<i>alcam</i>	CG17716	<i>fas</i>	<i>not described</i>
<i>alcamb</i>	CG17716	<i>fas</i>	<i>not described</i>
<i>aldh1a2</i>	CG3752	<i>Aldh</i>	<i>not described</i>
<i>aldh7a1</i>	CG9629		<i>not described</i>
<i>aldoa</i>	CG6058	<i>Ald</i>	<i>not described</i>
<i>angptl1</i>	CG41520		<i>not described</i>
<i>ard1a</i>	CG11989	<i>Ard1</i>	<i>not described</i>
<i>arhgap12</i>	CG1412	<i>RhoGAP19D</i>	<i>not described</i>
<i>asph</i>	CG18658	<i>Asph</i>	<i>not described</i>
<i>atp1a1a.1</i>	CG5670		<i>not described</i>
<i>atp1a1a.4</i>	CG5670		<i>not described</i>
<i>atp1a2a</i>	CG5670		<i>not described</i>
<i>atp2b1a</i>	CG42314		<i>not described</i>
<i>b3gnt7</i>	CG11357		<i>not described</i>
<i>bag2</i>	CG7945		<i>not described</i>
<i>blcap</i>	CG4867		<i>not described</i>
<i>brpl</i>	CG16717		<i>not described</i>
<i>btbd10</i>	CG1216	<i>mri</i>	<i>not described</i>
<i>btg1</i>	CG9214	<i>Tob</i>	<i>not described</i>

<i>btg2</i>	CG9214	<i>Tob</i>	<i>not described</i>
<i>c12orf2</i>	CG5053		<i>not described</i>
<i>ca2</i>	CG7820		<i>not described</i>
<i>ca7</i>	CG7820		<i>not described</i>
<i>calm1a</i>	CG8472	<i>Cam</i>	<i>not described</i>
<i>calrl</i>	CG9429		<i>not described</i>
<i>capza1b</i>	CG10540	<i>cpa</i>	<i>not described</i>
<i>ccb12</i>	CG6950		<i>not described</i>
<i>ccnd1</i>	CG9096		<i>not described</i>
<i>ccng2</i>	CG11525	<i>CycG</i>	<i>not described</i>
<i>cdc25</i>	CG4965, CG1395	<i>twe, stg</i>	<i>not described</i>
<i>cdkn1b</i>	CG16912		<i>not described</i>
<i>cdv3</i>	CG3760		<i>not described</i>
<i>cfl2</i>	CG4254		<i>not described</i>
<i>chaf1a</i>	CG12109	<i>Caf1-180</i>	<i>not described</i>
<i>chchd2</i>	CG5010		<i>not described</i>
<i>chchd2l</i>	CG5010		<i>not described</i>
<i>clic4</i>	CG10997		<i>not described</i>
<i>clptm1</i>	CG3702		<i>not described</i>
<i>clstn1</i>	CG11059	<i>cals</i>	<i>not described</i>
<i>col18a1</i>	CG33171		<i>not described</i>
<i>cox5a</i>	CG14724	<i>CoVa</i>	<i>not described</i>
<i>cpn1</i>	CG8717	<i>slv</i>	<i>not described</i>
<i>crabp1b</i>	CG6783		<i>not described</i>
<i>crabp2a</i>	CG6783		<i>not described</i>
<i>cugbp1</i>	CG31761		<i>not described</i>
<i>cugbp2</i>	CG31761		<i>not described</i>
<i>cyp4</i>	CG1488	<i>Cyp311a1</i>	<i>not described</i>
<i>dlst</i>	CG5214		<i>not described</i>
<i>dnaja</i>	CG2790		<i>not described</i>
<i>dnttip2</i>	CG1142		<i>not described</i>
<i>dtl</i>	CG11295	<i>l(2)dtl</i>	<i>not described</i>
<i>ef1a</i>	CG1873	<i>Ef1alpha100E</i>	<i>not described</i>
<i>efnb2a</i>	CG1862	<i>Ephrin</i>	<i>not described</i>
<i>eif2s1</i>	CG9946	<i>eIF-2alpha</i>	<i>not described</i>
<i>eif4a1a</i>	CG9075	<i>eIF-4a</i>	<i>not described</i>
<i>ek3</i>	CG1511	<i>Eph</i>	<i>not described</i>
<i>ell2</i>	CG32217	<i>Su(Tpl)</i>	<i>not described</i>
<i>eno3</i>	CG17654	<i>Eno</i>	<i>not described</i>
<i>epha4a</i>	CG5935	<i>Dek</i>	<i>not described</i>
<i>erm</i>	CG6892	<i>Ets96B</i>	<i>not described</i>
<i>etfa</i>	CG8996	<i>wal</i>	<i>not described</i>
<i>exosc4</i>	CG15481		<i>not described</i>
<i>fabp3</i>	CG6783		<i>not described</i>
<i>farsl</i>	CG5706		<i>not described</i>
<i>fbl</i>	CG9888	<i>Fib</i>	<i>not described</i>
<i>fbxo9</i>	CG5961		<i>not described</i>
<i>fgfr4</i>	CG32134	<i>btl</i>	<i>not described</i>
<i>flot2a</i>	CG32593	<i>Flo-2</i>	<i>not described</i>
<i>foxc1a</i>	CG5069	<i>croc</i>	<i>not described</i>
<i>fryb</i>	CG32045	<i>fry</i>	<i>not described</i>
<i>fst</i>	CG33466		<i>not described</i>
<i>fts</i>	CG8939		<i>not described</i>

<i>ftsj</i>	CG6379		<i>not described</i>
<i>fxr1</i>	CG6203	<i>Fmr1</i>	<i>not described</i>
<i>fxr2</i>	CG6203	<i>Fmr1</i>	<i>not described</i>
<i>fzd2</i>	CG17697	<i>fz</i>	<i>not described</i>
<i>fzd7b</i>	CG17697	<i>fz</i>	<i>not described</i>
<i>gadd45b</i>	CG11086	<i>Gadd45</i>	<i>not described</i>
<i>gcdh</i>	CG9547		<i>not described</i>
<i>gemin5</i>	CG30149	<i>rig</i>	<i>not described</i>
<i>gipc1</i>	CG11546	<i>l(2)02045</i>	<i>not described</i>
<i>glo1</i>	CG1707		<i>not described</i>
<i>glra4a</i>	CG7535	<i>GluClalpha</i>	<i>not described</i>
<i>gltscr1</i>	CG11873		<i>not described</i>
<i>glula</i>	CG1743	<i>Gs2</i>	<i>not described</i>
<i>glulb</i>	CG1743	<i>Gs2</i>	<i>not described</i>
<i>gmps</i>	CG9242	<i>bur</i>	<i>not described</i>
<i>gnl3</i>	CG3983		<i>not described</i>
<i>gpd1l</i>	CG9042	<i>Gpdh</i>	<i>not described</i>
<i>gpsn2</i>	CG10849	<i>Sc2</i>	<i>not described</i>
<i>gpt2</i>	CG1640		<i>not described</i>
<i>gpx4b</i>	CG15116		<i>not described</i>
<i>gsn</i>	CG1106	<i>Ge1</i>	<i>not described</i>
<i>hadha</i>	CG4389		<i>not described</i>
<i>heg</i>	CG8365, CG5927	<i>E(spl), Her</i>	<i>not described</i>
<i>her1</i>	CG8365, CG5927	<i>E(spl), Her</i>	<i>not described</i>
<i>her12</i>	CG8365, CG5927	<i>E(spl), Her</i>	<i>not described</i>
<i>her4</i>	CG8365, CG5927	<i>E(spl), Her</i>	<i>not described</i>
<i>her6</i>	CG8704		<i>not described</i>
<i>her7</i>	CG8365, CG5927	<i>E(spl), Her</i>	<i>not described</i>
<i>hey1</i>	CG11194	<i>Hey</i>	<i>not described</i>
<i>hgfa</i>	CG42326		<i>not described</i>
<i>hig1</i>	CG11825 - CG17734		<i>not described</i>
<i>hmgb3a</i>	CG12223	<i>Dsp1</i>	<i>not described</i>
<i>hmgcs1</i>	CG4311	<i>Hmgs</i>	<i>not described</i>
<i>hoxa3a</i>	CG11551	<i>ind</i>	<i>not described</i>
<i>hoxb1b</i>	CG31481	<i>pb</i>	<i>not described</i>
<i>hsp90a</i>	CG1242	<i>Hsp83</i>	<i>not described</i>
<i>hsp90a2</i>	CG1242	<i>Hsp83</i>	<i>not described</i>
<i>hspa5</i>	CG4147	<i>Hsc70-3</i>	<i>not described</i>
<i>hspa8</i>	CG4264	<i>Hsc70-4</i>	<i>not described</i>
<i>id6</i>	CG40452	<i>Snap25</i>	<i>not described</i>
<i>im:6895726</i>	CG7010	<i>l(1)G0334</i>	<i>not described</i>
<i>im:6897973</i>	CG6008	<i>NP15.6</i>	<i>not described</i>
<i>im:6900881</i>	CG3560		<i>not described</i>
<i>im:6904860</i>	CG3849	<i>Lasp</i>	<i>not described</i>
<i>im:6908140</i>	CG1324		<i>not described</i>
<i>im:6910566</i>	CG3688	<i>l(2)35Bd</i>	<i>not described</i>
<i>im:7136059</i>	CG17184		<i>not described</i>
<i>im:7137805</i>	CG33513	<i>Nmdar2</i>	<i>not described</i>
<i>im:7138651</i>	CG11007		<i>not described</i>
<i>im:7139709</i>	CG18255	<i>Strn-Mlck</i>	<i>not described</i>
<i>im:7143671</i>	CG42248		<i>not described</i>
<i>im:7145859</i>	CG14991, CG7729	<i>Fit1, Fit2</i>	<i>not described</i>
<i>im:7150907</i>	CG32063		<i>not described</i>

<i>im:7151086</i>	CG2919	<i>asl</i>	<i>not described</i>
<i>im:7154480</i>	CG4656	<i>Rassf</i>	<i>not described</i>
<i>im:7154697</i>	CG11348	<i>nAcRbeta-64B</i>	<i>not described</i>
<i>im:7155372</i>	CG9635	<i>RhoGEF2</i>	<i>not described</i>
<i>imp4</i>	CG11920	<i>no</i>	<i>not described</i>
<i>impdh2</i>	CG1799	<i>ras</i>	<i>not described</i>
<i>itga5</i>	CG16993	<i>in</i>	<i>not described</i>
<i>itgb1</i>	CG1560	<i>mys</i>	<i>not described</i>
<i>ivd</i>	CG6638-RA		<i>not described</i>
<i>jag2</i>	CG6127	<i>Ser</i>	<i>not described</i>
<i>jak1</i>	CG1594	<i>bop</i>	<i>not described</i>
<i>kctd9</i>	CG14647		<i>not described</i>
<i>khdrbs1</i>	CG4816	<i>qkr54B</i>	<i>not described</i>
<i>kif7</i>	CG1708	<i>cos</i>	<i>not described</i>
<i>kpnb3</i>	CG1059	<i>Karybeta3</i>	<i>not described</i>
<i>lars</i>	CG33123		<i>not described</i>
<i>ldb3l</i>	CG30084	<i>Zasp52</i>	<i>not described</i>
<i>lin7a</i>	CG7662	<i>veli</i>	<i>not described</i>
<i>lmna</i>	CG6944, CG10119	<i>Lam, LamC</i>	<i>not described</i>
<i>lox3b</i>	CG4402	<i>lox2</i>	<i>not described</i>
<i>lrig1</i>	CG8434	<i>lbk</i>	<i>not described</i>
<i>lrrc17</i>	CG8355	<i>sli</i>	<i>not described</i>
<i>mafl</i>	CG10034		<i>not described</i>
<i>map3k4</i>	CG7717	<i>Mekk1</i>	<i>not described</i>
<i>mars</i>	CG15100		<i>not described</i>
<i>meis1</i>	CG17117	<i>hth</i>	<i>not described</i>
<i>meis3</i>	CG17117	<i>hth</i>	<i>not described</i>
<i>meis4.1a</i>	CG17117	<i>hth</i>	<i>not described</i>
<i>meox1</i>	CG5264	<i>btn</i>	<i>not described</i>
<i>mfn1</i>	CG4568, CG3869	<i>fzo, Marf</i>	<i>not described</i>
<i>mibp2</i>	CG12016		<i>not described</i>
<i>minal</i>	CG2982		<i>not described</i>
<i>mrpl37</i>	CG42632	<i>mRpl37</i>	<i>not described</i>
<i>mrrf</i>	CG4447		<i>not described</i>
<i>msh6</i>	CG7003		<i>not described</i>
<i>mt-nd2</i>	CG34063	<i>mt:ND2</i>	<i>not described</i>
<i>mtor</i>	CG5092	<i>Tor</i>	<i>not described</i>
<i>mtx1</i>	CG9393		<i>not described</i>
<i>musk</i>	CG4007	<i>Nrk</i>	<i>not described</i>
<i>mybbp1a</i>	CG6189	<i>l(1)1Bi</i>	<i>not described</i>
<i>myf5</i>	CG10250	<i>nau</i>	<i>not described</i>
<i>myhc4</i>	<i>Mhc</i>		<i>not described</i>
<i>myhz2</i>	<i>Mhc</i>		<i>not described</i>
<i>myl10</i>	CG3595	<i>sqh</i>	<i>not described</i>
<i>mylz2</i>	CG3595	<i>sqh</i>	<i>not described</i>
<i>myod</i>	CG10250	<i>nau</i>	<i>not described</i>
<i>myog</i>	CG10250	<i>nau</i>	<i>not described</i>
<i>narg1b</i>	CG12202		<i>not described</i>
<i>ndufa4</i>	CG32230		<i>not described</i>
<i>ndufb4</i>	CG12859		<i>not described</i>
<i>nhp2l1</i>	CG3949	<i>hoip</i>	<i>not described</i>
<i>nnp1</i>	CG12396	<i>Nnp-1</i>	<i>not described</i>
<i>noc4l</i>	CG2875		<i>not described</i>

<i>notch2</i>	CG3936	N	<i>not described</i>
<i>notch3</i>	CG3936	N	<i>not described</i>
<i>npm1</i>	CG7911 - CG7917	Nlp	<i>not described</i>
<i>nr5a2</i>	CG4059	<i>ftz-f1</i>	<i>not described</i>
<i>nucb2a</i>	CG32190	NUCB1	<i>not described</i>
<i>odz3</i>	CG5723	<i>Ten-m</i>	<i>not described</i>
<i>ogdh</i>	CG33791, Nc73EF		<i>not described</i>
<i>pa2g4a</i>	CG10576		<i>not described</i>
<i>pabpc4</i>	CG5119	<i>pAbp</i>	<i>not described</i>
<i>pcdh15a</i>	CG31009	<i>Cad99C</i>	<i>not described</i>
<i>phc2</i>	CG3895 - CG18412		<i>not described</i>
<i>pik3r3</i>	CG2699	<i>Pi3K21B</i>	<i>not described</i>
<i>pinx1</i>	CG11180		<i>not described</i>
<i>plk1</i>	CG12306	<i>polo</i>	<i>not described</i>
<i>polr1a</i>	<i>Rpl1</i>	<i>no</i>	<i>not described</i>
<i>ppan</i>	CG5786	<i>ppan</i>	<i>not described</i>
<i>ppp3cca</i>	CG9842, CG1455	<i>Pp2B-14D, CanA1</i>	<i>not described</i>
<i>prdx3</i>	CG5826	<i>Prx3</i>	<i>not described</i>
<i>prickle2</i>	CG12833, CG11084	<i>esn, pk</i>	<i>not described</i>
<i>prkaa1</i>	CG3051	<i>SNF1A</i>	<i>not described</i>
<i>psat1</i>	CG11899		<i>not described</i>
<i>ptc1</i>	CG2411	<i>ptc</i>	<i>not described</i>
<i>ptprk</i>	CG7180		<i>not described</i>
<i>pwp2h</i>	CG12325		<i>not described</i>
<i>qk</i>	CG10293	<i>how</i>	<i>not described</i>
<i>ranbp9</i>	CG42236		<i>not described</i>
<i>rbp1a</i>	CG6783		<i>not described</i>
<i>robo3</i>	CG13521	<i>robo</i>	<i>not described</i>
<i>rock2b</i>	CG9774	<i>rok</i>	<i>not described</i>
<i>rp42-pen</i>	CG7427		<i>not described</i>
<i>rpl7l1</i>	CG4897, CG5317	<i>RpL7</i>	<i>not described</i>
<i>rplp0</i>	CG7490	<i>RpP0</i>	<i>not described</i>
<i>rrm2</i>	CG8975	<i>RnrS</i>	<i>not described</i>
<i>rtcd1</i>	CG4061		<i>not described</i>
<i>sars</i>	CG17259		<i>not described</i>
<i>sdc2</i>	CG3985	<i>Syn</i>	<i>not described</i>
<i>sep15</i>	CG7484		<i>not described</i>
<i>siah1</i>	CG9949	<i>sina</i>	<i>not described</i>
<i>skp2</i>	CG9772		<i>not described</i>
<i>slc16a3</i>	CG11665, CG8271		<i>not described</i>
<i>slc1a3</i>	CG3747	<i>Eaat1</i>	<i>not described</i>
<i>smoc2</i>	CG2264	<i>no</i>	<i>not described</i>
<i>smyd1</i>	CG13761	<i>Bzd</i>	<i>not described</i>
<i>smyhc1</i>	CG17927	<i>Mhc</i>	<i>not described</i>
<i>sol</i>	CG10069		<i>not described</i>
<i>sox11a</i>	CG8404	<i>Sox15</i>	<i>not described</i>
<i>sox9a</i>	CG15552, CG8404	<i>Sox100B, Sox15</i>	<i>not described</i>
<i>spry4</i>	CG1921	<i>sty</i>	<i>not described</i>
<i>sps2</i>	CG8553	<i>Seld</i>	<i>not described</i>
<i>stmn1</i>	CG31641	<i>stai</i>	<i>not described</i>
<i>stm3</i>	CG7392	<i>Cka</i>	<i>not described</i>
<i>sucla2</i>	CG11963		<i>not described</i>
<i>suclg1</i>	CG1065	<i>Scsalpha</i>	<i>not described</i>

<i>surf6l</i>	CG4510	<i>Surf6</i>	<i>not described</i>
<i>sycp3</i>	CG6016		<i>not described</i>
<i>tfb2m</i>	CG3910	<i>mtTFB2</i>	<i>not described</i>
<i>tob1a</i>	CG9214	<i>Tob</i>	<i>not described</i>
<i>tomm34</i>	CG13570	<i>spag</i>	<i>not described</i>
<i>tp73</i>	CG33336	<i>p53</i>	<i>not described</i>
<i>ube2l3</i>	CG5788, CG12799	<i>UbcD10, Ubc84D</i>	<i>not described</i>
<i>unc45r</i>	CG2708	<i>Tom34</i>	<i>not described</i>
<i>vegf</i>	CG31641	<i>stai</i>	<i>not described</i>
<i>wdr75</i>	CG12050		<i>not described</i>
<i>yars</i>	CG4561		<i>not described</i>
<i>za20d2</i>	CG15368, CG33936		<i>not described</i>
<i>zdhhc5</i>	CG34449		<i>not described</i>
<i>zgc:100860</i>	CG12231, CG7222		<i>not described</i>
<i>zgc:100924</i>	CG14808	<i>Scgdelta</i>	<i>not described</i>
<i>zgc:101687</i>	CG30280, CG30281, CG6788, CG32496, CG9500, CG41520		<i>not described</i>
<i>zgc:101748</i>	CG12128		<i>not described</i>
<i>zgc:110322</i>	CG10470		<i>not described</i>
<i>zgc:110766</i>	CG6050	<i>EftuM</i>	<i>not described</i>
<i>zgc:111822</i>	CG2691		<i>not described</i>
<i>zgc:111840</i>	CG13852	<i>mats</i>	<i>not described</i>
<i>zgc:112052</i>	CG3740, CG11671		<i>not described</i>
<i>zgc:113583</i>	CG4276, CG8907	<i>aru</i>	<i>not described</i>
<i>zgc:114164</i>	CG3201	<i>Mlc-c</i>	<i>not described</i>
<i>zgc:136894</i>	CG34289		<i>not described</i>
<i>zgc:158673</i>	CG31332	<i>unc-115</i>	<i>not described</i>
<i>zgc:55519</i>	CG3808		<i>not described</i>
<i>zgc:55912</i>	CG5807		<i>not described</i>
<i>zgc:55912</i>	CG5807		<i>not described</i>
<i>zgc:56216</i>	CG9328		<i>not described</i>
<i>zgc:56251</i>	CG11138		<i>not described</i>
<i>zgc:56340</i>	CG7425	<i>eff</i>	<i>not described</i>
<i>zgc:56363</i>	CG6385		<i>not described</i>
<i>zgc:56391</i>	CG9399		<i>not described</i>
<i>zgc:56558</i>	CG10524	<i>Pkcdelta</i>	<i>not described</i>
<i>zgc:63569</i>	CG11880		<i>not described</i>
<i>zgc:63783</i>	CG9075	<i>eIF-4a</i>	<i>not described</i>
<i>zgc:63864</i>	CG11138		<i>not described</i>
<i>zgc:63903</i>	CG7761	<i>pcs</i>	<i>not described</i>
<i>zgc:63911</i>	CG4444	<i>px</i>	<i>not described</i>
<i>zgc:63976</i>	CG12304		<i>not described</i>
<i>zgc:64113</i>	CG16979		<i>not described</i>
<i>zgc:65840</i>	CG13388	<i>Akap200</i>	<i>not described</i>
<i>zgc:66119</i>	CG1994		<i>not described</i>
<i>zgc:66156</i>	CG17927	<i>Mhc</i>	<i>not described</i>
<i>zgc:66311</i>	CG10990		<i>not described</i>
<i>zgc:66340</i>	CG4272		<i>not described</i>
<i>zgc:66353</i>	CG1487	<i>krz</i>	<i>not described</i>
<i>zgc:73152</i>		<i>Eno</i>	<i>not described</i>
<i>zgc:73179</i>	CG14861		<i>not described</i>

<i>zgc:73247</i>	CG12661, CG5323, CG5327		<i>not described</i>
<i>zgc:73271</i>	CG7010, CG7024	<i>l(1)G0334</i>	<i>not described</i>
<i>zgc:77126</i>	CG5232	<i>Neu5Ac</i>	<i>not described</i>
<i>zgc:77199</i>	CG5018		<i>not described</i>
<i>zgc:77225</i>	CG10320		<i>not described</i>
<i>zgc:77696</i>	CG6058	<i>Ald</i>	<i>not described</i>
<i>zgc:77702</i>	CG3922	<i>RpS17</i>	<i>not described</i>
<i>zgc:77750</i>	CG11495	<i>rasp</i>	<i>not described</i>
<i>zgc:86749</i>	CG1418		<i>not described</i>
<i>zgc:86806</i>	CG12085	<i>pUf68</i>	<i>not described</i>
<i>zgc:91930</i>	CG17146	<i>Adk1</i>	<i>not described</i>
<i>zgc:91999</i>	CG33094	<i>Synd</i>	<i>not described</i>
<i>zgc:92066</i>	CG4349	<i>Fer3HCH</i>	<i>not described</i>
<i>zgc:92072</i>	CG7219	<i>no</i>	<i>not described</i>
<i>zgc:92429</i>	CG6198	<i>chp</i>	<i>not described</i>
<i>anxa6</i>	<i>Not conserved</i>		
<i>bckdk</i>	<i>Not conserved</i>		
<i>bcl6</i>	<i>Not conserved</i>		
<i>bhik</i>	<i>Not conserved</i>		
<i>c20orf149</i>	<i>Not conserved</i>		
<i>c4orf9</i>	<i>Not conserved</i>		
<i>casq2</i>	<i>Not conserved</i>		
<i>cav3</i>	<i>Not conserved</i>		
<i>cbs</i>	<i>Not conserved</i>		
<i>cdkn1c</i>	<i>Not conserved</i>		
<i>cenpn</i>	<i>Not conserved</i>		
<i>cilp</i>	<i>Not conserved</i>		
<i>cited3</i>	<i>Not conserved</i>		
<i>cmyc</i>	<i>Not conserved</i>		
<i>col1a1</i>	<i>Not conserved</i>		
<i>col1a2</i>	<i>Not conserved</i>		
<i>col5a2l</i>	<i>Not conserved</i>		
<i>crabp2b</i>	<i>Not conserved</i>		
<i>crip2</i>	<i>Not conserved</i>		
<i>crygm4</i>	<i>Not conserved</i>		
<i>cspg2</i>	<i>Not conserved</i>		
<i>cx43.4</i>	<i>Not conserved</i>		
<i>cxcr4a</i>	<i>Not conserved</i>		
<i>cxcr4b</i>	<i>Not conserved</i>		
<i>cxcr7b</i>	<i>Not conserved</i>		
<i>cyp26a1</i>	<i>Not conserved</i>		
<i>dact1</i>	<i>Not conserved</i>		
<i>dact2</i>	<i>Not conserved</i>		
<i>ddx21</i>	<i>Not conserved</i>		
<i>desm</i>	<i>Not conserved</i>		
<i>dnmt1</i>	<i>Not conserved</i>		
<i>dspg3</i>	<i>Not conserved</i>		
<i>eef2k</i>	<i>Not conserved</i>		
<i>efna1</i>	<i>Not conserved</i>		
<i>egfl6</i>	<i>Not conserved</i>		
<i>ephx2</i>	<i>Not conserved</i>		
<i>ets1</i>	<i>Not conserved</i>		
<i>fam3c</i>	<i>Not conserved</i>		

<i>fgf17b</i>	<i>Not conserved</i>
<i>fgf8</i>	<i>Not conserved</i>
<i>fibin</i>	<i>Not conserved</i>
<i>fn1b</i>	<i>Not conserved</i>
<i>frem3</i>	<i>Not conserved</i>
<i>fstl1</i>	<i>Not conserved</i>
<i>fstl1b</i>	<i>Not conserved</i>
<i>gas1a</i>	<i>Not conserved</i>
<i>gatm</i>	<i>Not conserved</i>
<i>gngt2</i>	<i>Not conserved</i>
<i>grem1</i>	<i>Not conserved</i>
<i>hfe2</i>	<i>Not conserved</i>
<i>homez</i>	<i>Not conserved</i>
<i>hprt1</i>	<i>Not conserved</i>
<i>il17rd</i>	<i>Not conserved</i>
<i>im:6894309</i>	<i>Not conserved</i>
<i>im:6903726</i>	<i>Not conserved</i>
<i>im:6908722</i>	<i>Not conserved</i>
<i>im:7136220</i>	<i>Not conserved</i>
<i>im:7136462</i>	<i>Not conserved</i>
<i>im:7137300</i>	<i>Not conserved</i>
<i>im:7137453</i>	<i>Not conserved</i>
<i>im:7139860</i>	<i>Not conserved</i>
<i>im:7139868</i>	<i>Not conserved</i>
<i>im:7144089</i>	<i>Not conserved</i>
<i>im:7147834</i>	<i>Not conserved</i>
<i>im:7151282</i>	<i>Not conserved</i>
<i>im:7153080</i>	<i>Not conserved</i>
<i>kbtbd10</i>	<i>Not conserved</i>
<i>lgmn</i>	<i>Not conserved</i>
<i>matn4</i>	<i>Not conserved</i>
<i>mcl1l</i>	<i>Not conserved</i>
<i>mt-atp8</i>	<i>Not conserved</i>
<i>mtfr1</i>	<i>Not conserved</i>
<i>mtr</i>	<i>Not conserved</i>
<i>nola2</i>	<i>Not conserved</i>
<i>nrp2b</i>	<i>Not conserved</i>
<i>pald</i>	<i>Not conserved</i>
<i>pcdh8</i>	<i>Not conserved</i>
<i>pdcd11</i>	<i>Not conserved</i>
<i>pmp22b</i>	<i>Not conserved</i>
<i>ppp1r3ca</i>	<i>Not conserved</i>
<i>prdm1</i>	<i>Not conserved</i>
<i>ptprm</i>	<i>Not conserved</i>
<i>pvalbl</i>	<i>Not conserved</i>
<i>rdh8</i>	<i>Not conserved</i>
<i>rgmb</i>	<i>Not conserved</i>
<i>rhog</i>	<i>Not conserved</i>
<i>sema8</i>	<i>Not conserved</i>
<i>sepm</i>	<i>Not conserved</i>
<i>sepn1</i>	<i>Not conserved</i>
<i>sept9</i>	<i>Not conserved</i>
<i>sepx1</i>	<i>Not conserved</i>

<i>shisa2</i>	<i>Not conserved</i>
<i>slc25a16</i>	<i>Not conserved</i>
<i>slc38a7</i>	<i>Not conserved</i>
<i>slc43a1</i>	<i>Not conserved</i>
<i>sp5l</i>	<i>Not conserved</i>
<i>sqstm1</i>	<i>Not conserved</i>
<i>ssg1</i>	<i>Not conserved</i>
<i>takrp</i>	<i>Not conserved</i>
<i>tgfbr2</i>	<i>Not conserved</i>
<i>ttn</i>	<i>Not conserved</i>
<i>uncx4.1</i>	<i>Not conserved</i>
<i>ved</i>	<i>Not conserved</i>
<i>xpo4</i>	<i>Not conserved</i>
<i>zgc:100819</i>	<i>Not conserved</i>
<i>zgc:100829</i>	<i>Not conserved</i>
<i>zgc:100917</i>	<i>Not conserved</i>
<i>zgc:101683</i>	<i>Not conserved</i>
<i>zgc:101899</i>	<i>Not conserved</i>
<i>zgc:110762</i>	<i>Not conserved</i>
<i>zgc:112079</i>	<i>Not conserved</i>
<i>zgc:153154</i>	<i>Not conserved</i>
<i>zgc:55627</i>	<i>Not conserved</i>
<i>zgc:55920</i>	<i>Not conserved</i>
<i>zgc:56005</i>	<i>Not conserved</i>
<i>zgc:56121</i>	<i>Not conserved</i>
<i>zgc:63950</i>	<i>Not conserved</i>
<i>zgc:65787</i>	<i>Not conserved</i>
<i>zgc:66027</i>	<i>Not conserved</i>
<i>zgc:66117</i>	<i>Not conserved</i>
<i>zgc:66326</i>	<i>Not conserved</i>
<i>zgc:66479</i>	<i>Not conserved</i>
<i>zgc:73361</i>	<i>Not conserved</i>
<i>zgc:73375</i>	<i>Not conserved</i>
<i>zgc:77703</i>	<i>Not conserved</i>
<i>zgc:86932</i>	<i>Not conserved</i>
<i>zgc:91870</i>	<i>Not conserved</i>
<i>zgc:91926</i>	<i>Not conserved</i>
<i>zgc:92198</i>	<i>Not conserved</i>
<i>zgc:92242</i>	<i>Not conserved</i>
<i>zgc:92332</i>	<i>Not conserved</i>
<i>zgc:92347</i>	<i>Not conserved</i>
<i>zgc:92502</i>	<i>Not conserved</i>
<i>zic3</i>	<i>Not conserved</i>
<i>znfl1</i>	<i>Not conserved</i>