

**Sensory neuropathy affects cardiac miRNA expression network targeting**

***IGF-1, SLC2a-12, EIF-4e, and ULK-2 mRNAs***

**Table S1.** Full data set for the microRNA (miRNA)–target gene network analysis.

Abbreviatio	Entrez ID	Gene Target Full Name of Targets	Access. Number	Associated miRNAs			
				1	2	3	4
LOC100125362	100125362	hypothetical protein LOC100125362	NM_001103354	rno-miR-344b-1-3p			
Kdm6a	100310845	lysine demethylase 6A	XM_002727527	rno-miR-466b-1			
Tmem167a	100359823	transmembrane protein 167A	XM_002728992	rno-let-7a	rno-miR-98		
Tyk2	100361294	tyrosine kinase 2	NM_001257347	rno-let-7a	rno-miR-98		
Kmt2d	100362634	lysine methyltransferase 2D	XM_006257392	rno-let-7a	rno-miR-98		
Cdkl5	100362725	cyclin-dependent kinase-like 5	XM_006256909	rno-miR-1	rno-miR-206		
Ddx55	100362764	DEAD-box helicase 55	NM_001271326	rno-miR-466b-1			
LOC100362819	100362819	autism susceptibility candidate 2-like	XM_003752582	rno-miR-466b-1			
LOC100910224	100910224	olfactory receptor 8D1-like	XM_003750491	rno-miR-344b-1-3p			
LOC100910506	100910506	peripheral plasma membrane protein CASK-like	XM_006256651	rno-miR-466b-1			
LOC100910807	100910807	transcriptional regulator Kaiso-like	XM_003752135	rno-miR-181a-2			
LOC100910990	100910990	copine-1-like	XM_006235453	rno-miR-466b-1			
Med7	100911235	mediator complex subunit 7	NM_001286183	rno-miR-34b			
LOC100911428	100911428	cyclic AMP-dependent transcription factor ATF-3-like	XM_006250492	rno-miR-1	rno-miR-206		
LOC100911548	100911548	SPRY domain-containing SOCS box protein 2-like	XM_006244626	rno-miR-1			
LOC100912483	100912483	uncharacterized LOC100912483	XM_006246854	rno-miR-1	rno-miR-206		
LOC102548535	102548535	uncharacterized LOC102548535	XM_006242247	rno-miR-181a-2			
LOC102552077	102552077	uncharacterized LOC102552077	XM_006224696	rno-let-7a			
LOC102555920	102555920	sperm motility kinase X-like	XM_006235205	rno-let-7a			
LOC102556920	102556920	uncharacterized LOC102556920	XM_006225294	rno-let-7a	rno-miR-98		
Nrg1	112400	neuregulin 1	NM_001271118	rno-miR-466b-1			
Ndst2	114002	N-deacetylase/N-sulfotransferase 2	NM_001105740	rno-let-7a	rno-miR-98		
		hyperpolarization activated cyclic nucleotide-gated potassium					
Hcn2	114244	channel 2	NM_053684	rno-miR-1			
Dnajc14	114481	DnaJ heat shock protein family (Hsp40) member C14	NM_053690	rno-miR-466b-1			
Dag1	114489	dystroglycan 1	NM_053697	rno-miR-466b-1			
Pax3	114502	paired box 3	NM_053710	rno-miR-1	rno-miR-206		
Clasp2	114514	cytoplasmic linker associated protein 2	NM_053722	rno-let-7a	rno-miR-98		
Strn3	114520	striatin 3	NM_001029897	rno-miR-34b			
Wif1	114557	Wnt inhibitory factor 1	NM_053738	rno-miR-466b-1			
Snap29	116500	synaptosomal-associated protein 29	NM_053810	rno-miR-466b-1			
E2f5	116651	E2F transcription factor 5	XM_006224083	rno-let-7a	rno-miR-1	rno-miR-206	rno-miR-98
Rere	116665	arginine-glutamic acid dipeptide (RE) repeats	NM_053885	rno-miR-344b-1-3p			
Apbb3	117026	amyloid beta precursor protein binding family B member 3	NM_053957	rno-let-7a	rno-miR-98		
Eif4e	117045	eukaryotic translation initiation factor 4E	NM_053974	rno-miR-1	rno-miR-206	rno-miR-34b	
Hivep1	117140	human immunodeficiency virus type I enhancer binding protein 1	NM_001105751	rno-miR-344b-1-3p	rno-miR-466b-1		
Tra2b	117259	transformer 2 beta homolog (Drosophila)	NM_057119	rno-miR-1	rno-miR-181a-2	rno-miR-206	
Hnrnpu	117280	heterogeneous nuclear ribonucleoprotein U	NM_057139	rno-miR-1	rno-miR-206		
Hnrnpk	117282	heterogeneous nuclear ribonucleoprotein K	NM_057141	rno-miR-181a-2			
Kif1b	117548	kinesin family member 1B	NM_057200	rno-miR-466b-1			
Tpm3	117557	tropomyosin 3	NM_173111	rno-miR-1	rno-miR-206		

Flt3	140635	fms-related tyrosine kinase 3	NM_001100822	rno-miR-34b	
Rplp1	140661	ribosomal protein, large, P1	NM_001007604	rno-miR-1	
Daxx	140926	death-domain associated protein	NM_080891	rno-miR-181a-2	
Ikbkap	140934	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	NM_080899	rno-let-7a	rno-miR-98
Tmprss2	156435	transmembrane protease, serine 2	NM_130424	rno-let-7a	rno-miR-98
Prkcd	170538	protein kinase C, delta	NM_133307	rno-miR-466b-1	
Olr59	170816	olfactory receptor 59	NM_173293	rno-miR-344b-1-3p	
Map4k3	170920	mitogen-activated protein kinase kinase kinase kinase 3	NM_133407	rno-let-7a	rno-miR-98
Itga2	170921	integrin alpha 2	XM_345156	rno-miR-344b-1-3p	
Shank2	171093	SH3 and multiple ankyrin repeat domains 2	NM_133440	rno-miR-344b-1-3p	
Slc31a1	171135	solute carrier family 31 member 1	NM_133600	rno-miR-181a-2	
Ehhadh	171142	enoyl-CoA hydratase/3-hydroxyacyl CoA dehydrogenase	NM_133606	rno-let-7a	rno-miR-98
Slc2a13	171147	solute carrier family 2 member 13	NM_133611	rno-miR-34b	
Taf9b	171152	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor	NM_133615	rno-let-7a	rno-miR-98
Ap1g1	171494	adaptor-related protein complex 1, gamma 1 subunit	NM_134460	rno-miR-466b-1	
Hip1	192154	huntingtin interacting protein 1	NM_001100475	rno-let-7a	rno-miR-98
Dnajc21	192210	DnaJ heat shock protein family (Hsp40) member C21	NM_138856	rno-miR-34b	
Ppp1r2	192361	protein phosphatase 1, regulatory (inhibitor) subunit 2	NM_138823	rno-miR-344b-1-3p	rno-miR-466b-1
Adrb2	24176	adrenoceptor beta 2	NM_012492	rno-let-7a	rno-miR-98
Bcl2	24224	B-cell CLL/lymphoma 2	NM_016993	rno-miR-1	
Bdnf	24225	brain-derived neurotrophic factor	NM_001270635	rno-miR-1	rno-miR-206
Calm1	24242	calmodulin 1	NM_031969	rno-miR-1	
Calm3	24244	calmodulin 3	NM_012518	rno-miR-1	
Edn1	24323	endothelin 1	NM_012548	rno-miR-1	rno-miR-206
Ets1	24356	ETS proto-oncogene 1, transcription factor	NM_012555	rno-miR-1	rno-miR-206
G6pd	24377	glucose-6-phosphate dehydrogenase	NM_017006	rno-miR-1	rno-miR-206
Gja1	24392	gap junction protein, alpha 1	NM_012567	rno-miR-1	rno-miR-206
Grm1	24414	glutamate receptor, metabotropic 1	NM_017011	rno-miR-466b-1	
Hmox1	24451	heme oxygenase 1	NM_012580	rno-let-7a	
Igf1	24482	insulin-like growth factor 1	NM_178866	rno-miR-1	rno-miR-206
Jun	24516	jun proto-oncogene	NM_021835	rno-miR-466b-1	rno-miR-466b-1
Acvr1c	245921	activin A receptor type 1C	NM_139090	rno-let-7a	rno-miR-98
Nupl1	245922	nucleoporin 58	NM_139091	rno-miR-466b-1	
Nras	24605	neuroblastoma RAS viral (v-ras) oncogene homolog	NM_080766	rno-let-7a	rno-miR-98
Scd1	246074	stearoyl-CoA desaturase	NM_139192	rno-let-7a	rno-miR-98
Ptpn4	246116	protein tyrosine phosphatase, non-receptor type 4	NM_001100479	rno-miR-1	rno-miR-206
Bmf	246142	Bcl2 modifying factor	NM_139258	rno-miR-466b-1	
Wdr44	246152	WD repeat domain 44	NM_001100823	rno-miR-344b-1-3p	
Pla2g4a	24653	phospholipase A2 group IVA	NM_133551	rno-miR-1	rno-miR-206
Prkar2b	24679	protein kinase cAMP-dependent type 2 regulatory subunit beta	NM_001030020	rno-miR-34b	
Vamp2	24803	vesicle-associated membrane protein 2	NM_012663	rno-miR-1	rno-miR-206
Syt2	24805	synaptotagmin 2	NM_012665	rno-miR-181a-2	
Stx1b	24923	syntaxin 1B	NM_012700	rno-miR-466b-1	
Adm	25026	adrenomedullin	NM_012715	rno-miR-344b-1-3p	

Tagln	25123	transgelin	NM_031549	rno-let-7a	rno-miR-98
Ncl	25135	nucleolin	NM_012749	rno-miR-1	rno-miR-206
Map1a	25152	microtubule-associated protein 1A	NM_030995	rno-miR-1	rno-miR-206
Itpr1	25262	inositol 1,4,5-trisphosphate receptor, type 1	NM_001270597	rno-miR-466b-1	
Emp1	25314	epithelial membrane protein 1	NM_012843	rno-miR-181a-2	
Adarb1	25367	adenosine deaminase, RNA-specific, B1	NM_0011111055	rno-miR-466b-1	
Faslg	25385	Fas ligand	NM_012908	rno-let-7a	rno-miR-98
Sparcl1	25434	SPARC like 1	NM_012946	rno-miR-1	rno-miR-206
Myo1e	25484	myosin IE	NM_173101	rno-miR-1	rno-miR-206
		tyrosine 3-monooxygenase/tryptophan 5-monooxygenase			
Ywhaq	25577	activation protein, theta	NM_013053	rno-miR-1	rno-miR-206
Ptprz1	25613	protein tyrosine phosphatase, receptor type Z1	NM_013080	rno-miR-1	rno-miR-206
Crem	25620	cAMP responsive element modulator	NM_001271246	rno-miR-466b-1	
Adrb3	25645	adrenoceptor beta 3	NM_013108	rno-let-7a	rno-miR-98
Fn1	25661	fibronectin 1	NM_019143	rno-miR-1	rno-miR-206
Nr3c2	25672	nuclear receptor subfamily 3, group C, member 2	NM_013131	rno-miR-466b-1	
Anxa5	25673	annexin A5	NM_013132	rno-miR-1	
Snx27	260323	sorting nexin family member 27	NM_0011110151	rno-miR-466b-1	
Cops2	261736	COP9 signalosome subunit 2	NM_153297	rno-miR-1	rno-miR-206
Hspa4	266759	heat shock protein family A member 4	NM_153629	rno-miR-1	
Phax	286917	phosphorylated adaptor for RNA export	NM_173133	rno-miR-1	rno-miR-206
Unc13c	286931	unc-13 homolog C (C. elegans)	NM_173146	rno-miR-466b-1	
Olr1271	286959	olfactory receptor 1271	NM_173300	rno-miR-344b-1-3p	
Cramp11	287127	cramped chromatin regulator homolog 1	XM_006246049	rno-miR-466b-1	
Zbtb4	287441	zinc finger and BTB domain containing 4	XM_006246843	rno-miR-206	
Ddx5	287765	DEAD-box helicase 5	NM_001007613	rno-miR-1	rno-miR-206
Hic2	287940	hypermethylated in cancer 2	NM_001105862	rno-let-7a	rno-miR-98
Naa50	288108	N(alpha)-acetyltransferase 50, NatE catalytic subunit	NM_001105881	rno-miR-466b-1	
Wrb	288233	tryptophan rich basic protein	NM_199373	rno-miR-466b-1	
Mis18a	288272	MIS18 kinetochore protein A	NM_001127523	rno-miR-466b-1	
Alkbh4	288587	alkB homolog 4, lysine demethylase	NM_001105920	rno-let-7a	rno-miR-98
Srsf9	288701	serine/arginine-rich splicing factor 9	NM_001009255	rno-miR-1	rno-miR-206
Hmcn1	289094	hemicentin 1	NM_001271292	rno-miR-1	rno-miR-206
Lrrc52	289199	leucine rich repeat containing 52	NM_001077434	rno-miR-181a-2	
Fras1	289486	Fraser extracellular matrix complex subunit 1	NM_001191595	rno-let-7a	rno-miR-98
Gnpda2	289608	glucosamine-6-phosphate deaminase 2	NM_001106005	rno-miR-1	rno-miR-206
RGD1563065	289633	NACHT and WD repeat domain containing 2	XM_223426	rno-miR-466b-1	
Pla2g3	289733	phospholipase A2, group III	NM_001106015	rno-let-7a	rno-miR-98
Psmc6	289990	proteasome 26S subunit, ATPase 6	NM_001100509	rno-miR-466b-1	
Cldn10	290485	claudin 10	NM_001106058	rno-miR-344b-1-3p	
Dctn6	290798	dynactin subunit 6	NM_001106085	rno-miR-344b-1-3p	
Mcur1	291034	mitochondrial calcium uniporter regulator 1	XM_214448	rno-miR-466b-1	
Snn	29140	stannin	NM_001034083	rno-let-7a	rno-miR-98
Snx2	291464	sorting nexin 2	NM_001106135	rno-miR-1	rno-miR-206
Matr3	29150	matrin 3	NM_019149	rno-miR-1	rno-miR-206
Psmg2	291539	proteasome (prosome, macropain) assembly chaperone 2	NM_001106138	rno-miR-344b-1-3p	
Rit2	291713	Ras-like without CAAX 2	NM_001013060	rno-miR-1	rno-miR-206

Orc6	291927	origin recognition complex, subunit 6	NM_001033690	rno-miR-344b-1-3p	
Pgrmc1	291948	progesterone receptor membrane component 1	NM_021766	rno-let-7a	rno-miR-98
Gch1	29244	GTP cyclohydrolase 1	NM_024356	rno-miR-1	rno-miR-206
Psg29	292666	pregnancy-specific glycoprotein 29	NM_001025641	rno-miR-1	rno-miR-206
Meox2	29279	mesenchyme homeobox 2	NM_017149	rno-miR-1	rno-miR-206
Chsy1	292999	chondroitin sulfate synthase 1	NM_001106268	rno-miR-1	rno-miR-206
Cpeb1	293056	cytoplasmic polyadenylation element binding protein 1	NM_001106276	rno-miR-1	rno-miR-206
Uqcrc2	293448	ubiquinol cytochrome c reductase core protein 2	NM_001006970	rno-miR-466b-1	
Kctd13	293497	potassium channel tetramerization domain containing 13	NM_198736	rno-miR-1	rno-miR-206
Zfp275	293849	zinc finger protein 275	NM_001106343	rno-let-7a	rno-miR-98
March5	294079	membrane associated ring-CH-type finger 5	NM_001106372	rno-miR-466b-1	
Rasgrp1	29434	RAS guanyl releasing protein 1	NM_019211	rno-let-7a	rno-miR-98
Ranbp2	294429	RAN binding protein 2	NM_001191604	rno-let-7a	rno-miR-98
Fam26e	294431	family with sequence similarity 26, member E	NM_001024977	rno-miR-1	rno-miR-206
Pald1	294508	phosphatase domain containing, paladin 1	NM_001034128	rno-let-7a	rno-miR-98
Ttc33	294774	tetratricopeptide repeat domain 33	NM_001106414	rno-miR-344b-1-3p	
March6	294862	membrane associated ring-CH-type finger 6	XM_001065952	rno-miR-34b	
Ift80	295106	intraflagellar transport 80	NM_001013911	rno-miR-1	rno-miR-206
Lppr4	295401	phospholipid phosphatase related 4	NM_001001508	rno-miR-1	rno-miR-206
Neurog2	295475	neurogenin 2	XM_001076231	rno-miR-466b-1	
Rif1	295602	replication timing regulatory factor 1	XM_003753723	rno-miR-466b-1	
Upp2	295620	uridine phosphorylase 2	NM_001106481	rno-miR-466b-1	
Fign	295649	fidgetin	NM_001106484	rno-miR-181a-2	
Tgfb1	29591	transforming growth factor, beta receptor 1	NM_012775	rno-let-7a	rno-miR-98
Secisbp2l	296115	SECIS binding protein 2-like	NM_001168527	rno-miR-466b-1	
Snph	296267	syntaphilin	NM_001106525	rno-miR-181a-2	
Svs3b	296354	seminal vesicle secretory protein 3B	NM_001102417	rno-miR-466b-1	
Cask	29647	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	NM_022184	rno-miR-466b-1	
Helz2	296474	helicase with zinc finger 2, transcriptional coactivator	XM_230961	rno-miR-1	rno-miR-206
Adam10	29650	ADAM metallopeptidase domain 10	NM_019254	rno-miR-344b-1-3p	
Fam73b	296623	family with sequence similarity 73, member B	NM_001106566	rno-miR-1	rno-miR-206
Phf19	296653	PHD finger protein 19	NM_001106570	rno-miR-344b-1-3p	
Psm3	29670	proteasome subunit alpha 3	NM_017280	rno-miR-1	rno-miR-206
Srpk2	296753	SRSF protein kinase 2	NM_001106575	rno-miR-466b-1	
Aass	296925	aminoadipate-semialdehyde synthase	NM_001100963	rno-miR-466b-1	
Zfp282	297065	zinc finger protein 282	NM_001106592	rno-let-7a	rno-miR-98
Kcnj2	29712	potassium voltage-gated channel subfamily J member 2	NM_017296	rno-miR-1	
Slc8a1	29715	solute carrier family 8 member A1	NM_001270772	rno-miR-1	
Ccdc174	297458	coiled-coil domain containing 174	NM_001009659	rno-miR-181a-2	
Setd5	297514	SET domain containing 5	NM_001106614	rno-miR-466b-1	
Dsel	297865	dermatan sulfate epimerase-like	XM_006221430	rno-miR-466b-1	
Zdhhc21	298184	zinc finger, DHC-type containing 21	NM_001039009	rno-miR-34b	rno-miR-466b-1
Smap2	298500	small ArfGAP2	NM_001100669	rno-let-7a	rno-miR-98
Clspn	298534	claspin	NM_001106687	rno-miR-466b-1	
Tmem50a	298552	transmembrane protein 50A	NM_001127525	rno-miR-181a-2	
Six4	299138	SIX homeobox 4	NM_001106739	rno-miR-466b-1	

Ylpm1	299199	YLP motif containing 1	NM_001271258	rno-miR-466b-1			
Cpsf6	299811	cleavage and polyadenylation specific factor 6	NM_001106785	rno-miR-344b-1-3p			
Lrig3	299830	leucine-rich repeats and immunoglobulin-like domains 3	XM_216905	rno-let-7a	rno-miR-98		
Gtse1	300126	G-2 and S-phase expressed 1	NM_001130500	rno-miR-466b-1			
Gxylt1	300173	glucoside xylosyltransferase 1	NM_001100887	rno-let-7a	rno-miR-466b-1	rno-miR-98	
Ccdc82	300359	coiled-coil domain containing 82	NM_001007660	rno-miR-466b-1			
Adamts15	300474	ADAM metallopeptidase with thrombospondin type 1 motif, 15	NM_001106810	rno-let-7a	rno-miR-98		
Arcn1	300674	archain 1	NM_001007662	rno-miR-1	rno-miR-206		
Arih1	300756	ariadne RBR E3 ubiquitin protein ligase 1	NM_001013108	rno-let-7a	rno-miR-98		
Ptplad1	300783	3-hydroxyacyl-CoA dehydratase 3	NM_001106831	rno-miR-1	rno-miR-206		
Tmem108	300967	transmembrane protein 108	XM_006243685	rno-miR-344b-1-3p			
Wdr6	301007	WD repeat domain 6	NM_001006988	rno-miR-1	rno-miR-206		
Trim42	301106	tripartite motif-containing 42	NM_001013955	rno-miR-466b-1			
Acer1	301118	alkaline ceramidase 1	NM_001106875	rno-let-7a	rno-miR-98		
Tfap2b	301285	transcription factor AP-2 beta	NM_001106896	rno-let-7a			
RGD1310553	301374	similar to expressed sequence AI597479	NM_001008517	rno-miR-466b-1			
Mbnl3	302492	muscleblind-like splicing regulator 3	NM_001106949	rno-miR-181a-2			
Unkl	302987	unkempt family like zinc finger	XM_006246058	rno-miR-34b			
Crebrf	303016	CREB3 regulatory factor	NM_001277157	rno-miR-181a-2	rno-miR-466b-1		
Trim41	303088	tripartite motif-containing 41	NM_001134737	rno-let-7a	rno-miR-98		
Ulk2	303206	unc-51 like autophagy activating kinase 2	NM_0011191645	rno-let-7a	rno-miR-34b	rno-miR-98	
Rab11fip4	303337	RAB11 family interacting protein 4 (class II)	NM_001107023	rno-let-7a	rno-miR-98		
Mmd	303439	monocyte to macrophage differentiation-associated	NM_001007673	rno-miR-466b-1			
Kat7	303470	lysine acetyltransferase 7	NM_181081	rno-miR-181a-2			
Osbpl7	303497	oxysterol binding protein-like 7	NM_001107044	rno-miR-1	rno-miR-206		
Smurf2	303614	SMAD specific E3 ubiquitin protein ligase 2	NM_001107061	rno-miR-466b-1			
Klhl24	303803	kelch-like family member 24	NM_181473	rno-miR-466b-1			
Igf2bp2	303824	insulin-like growth factor 2 mRNA binding protein 2	NM_001270598	rno-let-7a	rno-miR-98		
Bcl6	303836	B-cell CLL/lymphoma 6	NM_001107084	rno-miR-466b-1			
Abhd10	303953	abhydrolase domain containing 10	NM_001123352	rno-miR-466b-1			
Arl13b	304037	ADP-ribosylation factor like GTPase 13B	NM_001107101	rno-miR-344b-1-3p			
Son	304092	Son DNA binding protein	NM_0011170328	rno-miR-466b-1			
Cldn8	304124	claudin 8	NM_001037774	rno-miR-466b-1			
Rwdd2b	304132	RWD domain containing 2B	NM_001100559	rno-miR-181a-2			
Nrip1	304157	nuclear receptor interacting protein 1	NM_001100560	rno-miR-466b-1			
Tnpo2	304670	transportin 2	NM_001107166	rno-miR-1	rno-miR-206		
Ccnt2	304758	cyclin T2	NM_001107171	rno-miR-466b-1			
Pbx1	304947	pre-B-cell leukemia homeobox 1	NM_001134862	rno-let-7a	rno-miR-98		
Lin54	305171	lin-54 DREAM MuvB core complex component	NM_001100564	rno-miR-466b-1			
Mtmr3	305482	myotubularin related protein 3	NM_001012038	rno-miR-466b-1			
Paplg	305586	poly(A) polymerase gamma	NM_001107244	rno-miR-466b-1			
Abhd6	305795	abhydrolase domain containing 6	NM_001007680	rno-miR-1			
RGD1306353	305911	zinc finger MYM-type containing 5	XM_006221946	rno-miR-466b-1			
Fndc3a	306022	fibronectin type III domain containing 3a	NM_001107278	rno-let-7a	rno-miR-1	rno-miR-206	rno-miR-98
Duxbl1	306226	double homeobox B-like 1	XM_006252679	rno-miR-466b-1			
Pde12	306231	phosphodiesterase 12	NM_001013998	rno-let-7a	rno-miR-98		

Pbrm1	306254	polybromo 1	XM_006252690	rno-miR-344b-1-3p	rno-miR-466b-1		
Ercc6	306274	excision repair cross-complementation group 6	NM_001107296	rno-let-7a	rno-miR-98		
Psd3	306380	pleckstrin and Sec7 domain containing 3	XM_006253047	rno-let-7a	rno-miR-344b-1-3p	rno-miR-466b-1	rno-miR-98
Kat6a	306571	lysine acetyltransferase 6A	NM_001100570	rno-miR-344b-1-3p	rno-miR-466b-1		
Papd7	306672	PAP associated domain containing 7	NM_001107333	rno-miR-344b-1-3p			
Ripk1	306886	receptor interacting serine/threonine kinase 1	NM_001107350	rno-miR-466b-1			
Cdk13	306998	cyclin-dependent kinase 13	NM_001271296	rno-miR-344b-1-3p			
Cndp1	307212	carnosine dipeptidase 1 (metallopeptidase M20 family)	NM_001007687	rno-miR-1	rno-miR-206		
Zfp608	307296	zinc finger protein 608	NM_001107378	rno-miR-181a-2			
Cep120	307302	centrosomal protein 120	NM_001191697	rno-let-7a	rno-miR-98		
Fam210a	307343	family with sequence similarity 210, member A	NM_001007688	rno-miR-466b-1			
Ammecr1	307526	AMMECR1 like	NM_001107399	rno-miR-1	rno-miR-206		
Gan	307893	gigaxonin	NM_001107434	rno-miR-181a-2			
Map10	307948	microtubule-associated protein 10	NM_001277391	rno-miR-466b-1			
Slc2a12	308028	solute carrier family 2 member 12	NM_001107451	rno-let-7a	rno-miR-466b-1	rno-miR-98	
Map3k4	308106	mitogen activated protein kinase kinase kinase 4	NM_001107456	rno-miR-466b-1			
Lats1	308265	large tumor suppressor kinase 1	NM_001134543	rno-miR-466b-1			
Adamts13	308787	ADAMTS-like 3	NM_001107533	rno-miR-1	rno-miR-206		
RGD1305254	308797	cell migration inducing protein, hyaluronan binding	XM_006229510	rno-miR-466b-1			
Prkrir	308845	THAP domain containing 12	NM_001191630	rno-miR-1	rno-miR-206		
Fchsd2	308864	FCH and double SH3 domains 2	NM_001107539	rno-miR-344b-1-3p			
Dock1	309081	dedicator of cyto-kinesis 1	NM_001143858	rno-miR-181a-2			
Clrn3	309082	clarin 3	NM_001014026	rno-let-7a	rno-miR-98		
Slc25a22	309111	solute carrier family 25 member 22	NM_001014027	rno-miR-1	rno-miR-206		
RGD1310016	309306	RIC1 homolog, RAB6A GEF complex partner 1	XM_006231255	rno-miR-466b-1			
Uhrf2	309331	ubiquitin like with PHD and ring finger domains 2	NM_001107585	rno-let-7a	rno-miR-98		
Tmem2	309400	transmembrane protein 2	NM_001107596	rno-let-7a	rno-miR-98		
Cpeb3	309510	cytoplasmic polyadenylation element binding protein 3	XM_006231338	rno-miR-344b-1-3p			
Sec63	309858	SEC63 homolog, protein translocation regulator	NM_001107637	rno-miR-1	rno-miR-206		
Tmem161b	309953	transmembrane protein 161B	XM_226652	rno-miR-466b-1			
Mef2a	309957	myocyte enhancer factor 2a	NM_001014035	rno-miR-1			
Gcnt4	310011	glucosaminyl (N-acetyl) transferase 4, core 2	XM_006223982	rno-let-7a	rno-miR-98		
Rictor	310131	RPTOR independent companion of MTOR, complex 2	XM_226812	rno-let-7a	rno-miR-98		
Zc2hc1a	310244	zinc finger, C2HC-type containing 1A	NM_001107661	rno-miR-466b-1			
Eif5a2	310261	eukaryotic translation initiation factor 5A2	NM_001100697	rno-miR-344b-1-3p			
Jade1	310352	jade family PHD finger 1	NM_001107670	rno-miR-466b-1			
Nhlrc3	310416	NHL repeat containing 3	XM_227139	rno-let-7a	rno-miR-98		
Rapgef2	310533	Rap guanine nucleotide exchange factor 2	NM_001107684	rno-miR-181a-2			
Golph3l	310669	golgi phosphoprotein 3-like	NM_001007698	rno-miR-1	rno-miR-206		
Rsbn1	310749	round spermatid basic protein 1	NM_001191710	rno-miR-466b-1			
Lrig2	310753	leucine-rich repeats and immunoglobulin-like domains 2	NM_001107710	rno-let-7a	rno-miR-98		
Cttnbp2nl	310760	CTTNBP2 N-terminal like	NM_001107712	rno-miR-1	rno-miR-206		
Slc25a24	310791	solute carrier family 25 member 24	NM_001127544	rno-let-7a	rno-miR-98		
Usp33	310960	ubiquitin specific peptidase 33	NM_001191094	rno-miR-1	rno-miR-206	rno-miR-344b-1-3p	
Ctnnd1	311163	catenin delta 1	NM_001107740	rno-miR-181a-2			
Rrbp1	311483	ribosome binding protein 1	XM_006235130	rno-miR-1	rno-miR-206		
Zfp512b	311721	zinc finger protein 512B	NM_001107809	rno-let-7a	rno-miR-98		

Pbx3	311876	pre-B-cell leukemia homeobox 3	NM_001107834	rno-let-7a	rno-miR-98		
Scaf11	312030	SR-related CTD-associated factor 11	NM_001271170	rno-miR-1	rno-miR-206		
Kbtbd2	312372	kelch repeat and BTB domain containing 2	NM_001107861	rno-miR-466b-1			
		SWI/SNF-related, matrix-associated actin-dependent regulator of					
Smarcad1	312398	chromatin, subfamily a, containing DEAD/H box 1	NM_001107864	rno-let-7a	rno-miR-98		
Ubap2	313169	ubiquitin-associated protein 2	NM_001107928	rno-miR-466b-1			
Ptprd	313278	protein tyrosine phosphatase, receptor type, D	XM_006225366	rno-miR-466b-1			
Stag2	313304	stromal antigen 2	NM_001173507	rno-miR-466b-1			
Kank4	313385	KN motif and ankyrin repeat domains 4	NM_001107947	rno-miR-1	rno-miR-206		
Mier1	313418	mesoderm induction early response 1, transcriptional regulator	NM_001131012	rno-let-7a	rno-miR-98		
Pdik1l	313609	PDLIM1 interacting kinase 1 like	NM_001107984	rno-miR-1	rno-miR-206		
Fbxl12	313782	F-box and leucine-rich repeat protein 12	NM_001025700	rno-let-7a	rno-miR-98		
Birc6	313876	baculoviral IAP repeat-containing 6	NM_001170596	rno-miR-466b-1			
Ncoa1	313929	nuclear receptor coactivator 1	NM_001108012	rno-miR-466b-1			
Cmpk2	314004	cytidine/uridine monophosphate kinase 2	NM_001108017	rno-miR-1	rno-miR-206		
Cbl1	314028	Cbl proto-oncogene-like 1, E3 ubiquitin protein ligase	NM_001108018	rno-miR-466b-1			
Fbxo33	314157	F-box protein 33	NM_001108023	rno-miR-344b-1-3p			
Daam1	314212	dishevelled associated activator of morphogenesis 1	NM_001108030	rno-miR-466b-1			
Six6	314221	SIX homeobox 6	NM_001108032	rno-miR-466b-1			
Zfyve26	314265	zinc finger FYVE-type containing 26	NM_001108038	rno-let-7a	rno-miR-98		
Gpr132	314480	G protein-coupled receptor 132	NM_001170595	rno-let-7a	rno-miR-98		
Ap3d1	314633	adaptor-related protein complex 3, delta 1 subunit	NM_001100719	rno-miR-1	rno-miR-206		
Cdk17	314743	cyclin-dependent kinase 17	NM_001108082	rno-miR-344b-1-3p			
Eea1	314764	early endosome antigen 1	NM_001108086	rno-let-7a	rno-miR-98		
Frs2	314850	fibroblast growth factor receptor substrate 2	NM_001108097	rno-miR-1	rno-miR-206		
Mon2	314894	MON2 homolog, regulator of endosome-to-Golgi trafficking	NM_001040176	rno-miR-1	rno-miR-206		
Phf201l	314964	PHD finger protein 20-like 1	NM_001271439	rno-miR-466b-1			
Fbxo43	315034	F-box protein 43	NM_001012117	rno-miR-344b-1-3p			
Josd1	315134	Josephin domain containing 1	NM_001025009	rno-miR-1	rno-miR-206		
Twf1	315265	twinfilin actin-binding protein 1	NM_001008521	rno-miR-1	rno-miR-206		
Nxt2	315352	nuclear transport factor 2-like export factor 2	NM_001108120	rno-miR-1	rno-miR-181a-2	rno-miR-206	rno-miR-466b-1
Jrkl	315417	jerky-like	NM_001108122	rno-miR-344b-1-3p			
Arhgap32	315530	Rho GTPase activating protein 32	XM_008766074	rno-miR-1			
Npat	315666	nuclear protein, co-activator of histone transcription	NM_001108147	rno-miR-466b-1			
Peak1	315686	pseudopodium-enriched atypical kinase 1	NM_001108149	rno-miR-466b-1			
RGD1305464	315702	similar to human chromosome 15 open reading frame 39	NM_001025011	rno-let-7a	rno-miR-98		
Adpgk	315722	ADP-dependent glucokinase	NM_001100723	rno-miR-1	rno-miR-206		
Kif23	315740	kinesin family member 23	NM_001108155	rno-miR-466b-1			
Cgn1l	315795	cingulin-like 1	NM_001108164	rno-let-7a	rno-miR-98		
Zfp280d	315798	zinc finger protein 280D	NM_001108165	rno-miR-1	rno-miR-206		
Rfx7	315804	regulatory factor X, 7	NM_001127490	rno-miR-466b-1			
Klhl31	315833	kelch-like family member 31	NM_001108170	rno-let-7a	rno-miR-98		
Msl2	315959	male-specific lethal 2 homolog (Drosophila)	XM_006226541	rno-miR-466b-1			
Arih2	316005	ariadne RBR E3 ubiquitin protein ligase 2	NM_001012275	rno-miR-181a-2			



Rev1	316344	REV1, DNA directed polymerase	NM_001108213	rno-miR-466b-1	
B3gnt7	316583	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7	NM_001012134	rno-let-7a	rno-miR-98
Apool	317191	apolipoprotein O-like	NM_001014105	rno-miR-466b-1	
Mageb18	317270	MAGE family member B18	NM_001044246	rno-miR-344b-1-3p	
Stk40	360230	serine/threonine kinase 40	NM_183056	rno-let-7a	rno-miR-98
Ublcp1	360514	ubiquitin-like domain containing CTD phosphatase 1	NM_001014117	rno-miR-181a-2	
Rnft1	360595	ring finger protein, transmembrane 1	XM_006247119	rno-miR-344b-1-3p	
Msi2	360596	musashi RNA-binding protein 2	XM_006220777	rno-miR-344b-1-3p	
Ccdc43	360637	coiled-coil domain containing 43	NM_001100728	rno-miR-181a-2	
Limd2	360646	LIM domain containing 2	NM_001025715	rno-let-7a	rno-miR-98
Mob1b	360920	MOB kinase activator 1B	NM_001108357	rno-miR-344b-1-3p	rno-miR-34b
Smek2	360993	protein phosphatase 4, regulatory subunit 3B	NM_001108367	rno-miR-1	rno-miR-206
Ktn1	361029	kinectin 1	XM_006221908	rno-miR-1	rno-miR-206
RGD1308117	361066	similar to 9930012K11Rik protein	NM_001134571	rno-let-7a	rno-miR-98
Ndfip2	361089	Nedd4 family interacting protein 2	NM_001108390	rno-miR-344b-1-3p	
Tmem110	361110	transmembrane protein 110	NM_198774	rno-miR-344b-1-3p	
Cbfb	361391	core-binding factor, beta subunit	NM_001013191	rno-miR-344b-1-3p	rno-miR-466b-1
Tppp	361466	tubulin polymerization promoting protein	NM_001108461	rno-miR-1	rno-miR-206
Ube3a	361585	ubiquitin protein ligase E3A	NM_001191837	rno-miR-466b-1	
Fam168a	361614	family with sequence similarity 168, member A	NM_001108494	rno-miR-466b-1	
Eif4g2	361628	eukaryotic translation initiation factor 4, gamma 2	NM_001017374	rno-let-7a	rno-miR-98
Pat1	361736	protein associated with topoisomerase II homolog 1 (yeast)	NM_001108520	rno-miR-181a-2	
Fam160b1	361774	family with sequence similarity 160, member B1 HECT domain and ankyrin repeat containing, E3 ubiquitin protein	XM_001064355	rno-miR-466b-1	
Hace1	361866	ligase 1	NM_001108539	rno-miR-1	rno-miR-206
Trim2	361970	tripartite motif-containing 2	NM_001108552	rno-miR-1	
Lmo4	362051	LIM domain only 4	NM_001009708	rno-miR-466b-1	rno-miR-98
Nr6a1	362125	nuclear receptor subfamily 6, group A, member 1	XM_006234131	rno-let-7a	rno-miR-98
Hnrnpa3	362152	heterogeneous nuclear ribonucleoprotein A3	NM_001111294	rno-miR-1	rno-miR-206
Atg13	362164	autophagy related 13	NM_001271212	rno-miR-1	rno-miR-206
Api5	362170	apoptosis inhibitor 5	NM_001127379	rno-miR-466b-1	
Gpcpd1	362219	glycerophosphocholine phosphodiesterase 1	NM_198779	rno-miR-466b-1	
Pard6b	362279	par-6 family cell polarity regulator beta	NM_001108609	rno-let-7a	rno-miR-98
Cdk14	362316	cyclin-dependent kinase 14	NM_001108617	rno-miR-1	rno-miR-206
Mxd1	362391	max dimerization protein 1	NM_001100749	rno-miR-466b-1	
Rpusd3	362416	RNA pseudouridylate synthase domain containing 3	NM_001108641	rno-let-7a	rno-miR-98
Tmtc1	362465	transmembrane and tetratricopeptide repeat containing 1	XM_001075561	rno-miR-181a-2	
Runx1t1	362489	RUNX1 translocation partner 1	NM_001108657	rno-miR-34b	rno-miR-466b-1
Zfp462	362522	zinc finger protein 462	XM_342840	rno-miR-466b-1	
Trappc3	362599	trafficking protein particle complex 3	NM_001008376	rno-miR-1	rno-miR-206
Gpatch3	362615	G patch domain containing 3	XM_342933	rno-let-7a	rno-miR-98
Cebpz	362686	CCAAT/enhancer binding protein zeta	NM_001108701	rno-miR-1	rno-miR-206
Tmem178a	362691	transmembrane protein 178A	NM_001004282	rno-miR-1	rno-miR-206
Yip4	362699	Yip1 domain family, member 4	NM_001009712	rno-miR-1	rno-miR-206
Wdr43	362703	WD repeat domain 43	NM_001037791	rno-miR-466b-1	

Seli	362713	selenoprotein I	NM_001134754	rno-miR-181a-2		
Pax9	362741	paired box 9	NM_001039539	rno-miR-181a-2		
Tmx1	362751	thioredoxin-related transmembrane protein 1	NM_001024800	rno-miR-1	rno-miR-206	
Cwf19I2	362804	CWF19-like 2, cell cycle control (S. pombe)	NM_001135003	rno-miR-466b-1		
Hsp90b1	362862	heat shock protein 90, beta, member 1	NM_001012197	rno-miR-1	rno-miR-206	
Tarbp2	363006	TAR (HIV-1) RNA binding protein 2	NM_001034941	rno-let-7a	rno-miR-98	
Uhrf1bp1l	363009	UHRF1 binding protein 1-like	NM_001108753	rno-miR-1	rno-miR-206	
Zbtb44	363035	zinc finger and BTB domain containing 44	NM_001034942	rno-miR-466b-1		
Nphp3	363126	nephronophthisis 3 (adolescent)	NM_001191882	rno-let-7a	rno-miR-98	
Rassf1	363140	Ras association domain family member 1	NM_001007754	rno-miR-466b-1		
Ccdc12	363151	coiled-coil domain containing 12	NM_001108783	rno-miR-466b-1		
Wdr48	363164	WD repeat domain 48	NM_001135895	rno-miR-1	rno-miR-206	rno-miR-34b
Tcaim	363169	T cell activation inhibitor, mitochondrial	NM_001110838	rno-miR-34b		
Bzw1	363232	basic leucine zipper and W2 domains 1	NM_198789	rno-let-7a	rno-miR-98	
Atg16l1	363278	autophagy related 16-like 1	NM_001108809	rno-miR-344b-1-3p		
Abi3bp	363767	ABI family member 3 binding protein	XM_006248231	rno-miR-466b-1		
Yod1	363982	YOD1 deubiquitinase	BC107904	rno-let-7a	rno-miR-98	
Smim14	364154	small integral membrane protein 14	NM_001037792	rno-miR-1	rno-miR-206	
Tmem55b	364298	transmembrane protein 55B	NM_001014233	rno-miR-1	rno-miR-206	
Ranbp9	364686	RAN binding protein 9	XM_002725261	rno-miR-34b		
Nkd1	364952	naked cuticle homolog 1 (Drosophila)	NM_001271381	rno-let-7a	rno-miR-98	
Lcor	365462	ligand dependent nuclear receptor corepressor	XM_006223759	rno-miR-344b-1-3p		
Zfr	365703	zinc finger RNA binding protein	NM_001270972	rno-miR-466b-1		
Cers6	366065	ceramide synthase 6	XM_006234308	rno-miR-466b-1		
Slc5a9	366441	solute carrier family 5 member 9	NM_001108974	rno-let-7a	rno-miR-98	
Sh2d5	366489	SH2 domain containing 5	XM_001070433	rno-miR-181a-2		
Tbc1d15	366896	TBC1 domain family, member 15	XM_006241353	rno-miR-1	rno-miR-206	
Arid2	366980	AT-rich interaction domain 2	XM_006226280	rno-miR-344b-1-3p		
Mgat4a	367252	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	NM_001012225	rno-miR-1	rno-miR-206	
Ankib1	368062	ankyrin repeat and IBR domain containing 1	NM_001134781	rno-miR-1	rno-miR-206	
aicda	399679	activation-induced cytidine deaminase	NM_001100779	rno-miR-466b-1		
Rnf5	407784	ring finger protein 5, E3 ubiquitin protein ligase	NM_001109025	rno-let-7a	rno-miR-98	
Pdcd10	494345	programmed cell death 10	NM_001009542	rno-miR-1	rno-miR-181a-2	rno-miR-206
LOC497899	497899	similar to hypothetical protein 4930503F14	NM_001017472	rno-let-7a	rno-miR-98	
RGD1559732	497912	butyrophilin like 10	XM_003750838	rno-miR-466b-1		
Blzf1	498266	basic leucine zipper nuclear factor 1	NM_001017494	rno-miR-344b-1-3p		
Lcorl	498385	ligand dependent nuclear receptor corepressor-like	XM_001058603	rno-miR-344b-1-3p		
Psme4	498433	proteasome activator subunit 4	NM_001025140	rno-miR-181a-2		
Akap11	498549	A-kinase anchoring protein 11	NM_012773	rno-miR-1	rno-miR-206	
Nrg3	498596	neuregulin 3	XM_006252793	rno-miR-181a-2		
RGD1562037	498764	similar to OTTHUMP00000046255	XM_006222413	rno-miR-466b-1		
Ankrd29	498823	ankyrin repeat domain 29	NM_001190372	rno-miR-1	rno-miR-206	
Ahrr	498999	aryl-hydrocarbon receptor repressor	NM_001024285	rno-miR-466b-1		
Zfp583	499068	zinc finger protein 583	NM_001134609	rno-let-7a	rno-miR-98	
Acer3	499210	alkaline ceramidase 3	XM_001065019	rno-let-7a	rno-miR-98	
Nmrk1	499330	nicotinamide riboside kinase 1	NM_001024292	rno-miR-466b-1		

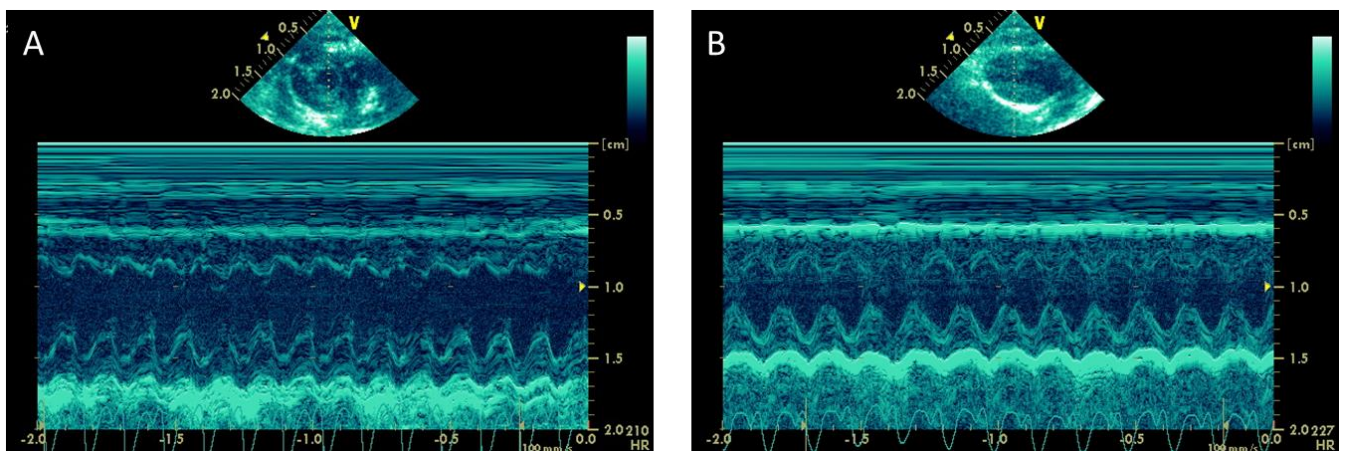
Fam178a	499360	SMC5-SMC6 complex localization factor 2	NM_001134612	rno-let-7a	rno-miR-98	
Ccdc169	499618	coiled-coil domain containing 169	NM_001109184	rno-miR-466b-1		
Prpf38b	499691	pre-mRNA processing factor 38B	NM_001024305	rno-let-7a	rno-miR-98	
Cldn12	500000	claudin 12	NM_001100813	rno-let-7a	rno-miR-98	
Foxp2	500037	forkhead box P2	NM_001271104	rno-miR-181a-2	rno-miR-466b-1	
Creb5	500131	cAMP responsive element binding protein 5	NM_001134621	rno-miR-344b-1-3p		
Mmnr1	500152	multimerin 1	XM_006224950	rno-miR-344b-1-3p		
Styk1	500340	serine/threonine/tyrosine kinase 1	XM_006237464	rno-let-7a	rno-miR-98	
Ybx1	500538	Y box binding protein 1	NM_031563	rno-let-7a		
Lin28a	500562	lin-28 homolog A	NM_001109269	rno-let-7a	rno-miR-98	
Tmem198b	500762	transmembrane protein 198b	NM_001109281	rno-let-7a	rno-miR-98	
		family with sequence similarity 19 (chemokine (C-C motif)-like),				
Fam19a5	500915	member A5	NM_001191991	rno-miR-344b-1-3p		
Mdfi	501097	MyoD family inhibitor	NM_001109301	rno-let-7a	rno-miR-98	
Bex4	501624	brain expressed, X-linked 4	NM_001037554	rno-miR-1	rno-miR-206	
RGD1566084	501795	proline rich 36	XM_006248788	rno-miR-1	rno-miR-206	
Coro1c	501841	coronin 1C	NM_001109327	rno-miR-1	rno-miR-206	
		leucine-rich repeats and calponin homology (CH) domain				
Lrch1	502020	containing 1	NM_001134727	rno-miR-1	rno-miR-206	
Slc35f1	502421	solute carrier family 35, member F1	NM_001109338	rno-miR-1	rno-miR-206	
Srsf11	502603	serine/arginine-rich splicing factor 11	NM_001035255	rno-miR-344b-1-3p		
Serf2	502663	small EDRK-rich factor 2	NM_001098782	rno-miR-466b-1		
Rerg	502916	RAS-like, estrogen-regulated, growth-inhibitor	XM_006225116	rno-miR-466b-1		
Sowahc	503306	soosondawah ankyrin repeat domain family member C	NM_001109364	rno-miR-1	rno-miR-206	
Calm2	50663	calmodulin 2	NM_017326	rno-miR-1		
Cltc	54241	clathrin heavy chain	NM_019299	rno-miR-466b-1		
Gata4	54254	GATA binding protein 4	NM_144730	rno-miR-1		
Cnn3	54321	calponin 3	NM_019359	rno-miR-1	rno-miR-206	
Apln	58812	apelin	NM_031612	rno-miR-466b-1		
Nckap1	58823	NCK-associated protein 1	NM_031618	rno-miR-34b		
Mapk6	58840	mitogen-activated protein kinase 6	NM_031622	rno-let-7a	rno-miR-98	
Klf6	58954	Kruppel-like factor 6	NM_031642	rno-miR-466b-1		
Azin1	58961	antizyme inhibitor 1	NM_022585	rno-miR-1	rno-miR-206	
Nme6	58964	NME/NM23 nucleoside diphosphate kinase 6	NM_001191884	rno-let-7a	rno-miR-98	
Grk6	59076	G protein-coupled receptor kinase 6	NM_001112712	rno-miR-1	rno-miR-206	
		hyperpolarization activated cyclic nucleotide-gated potassium				
Hcn4	59266	channel 4	NM_021658	rno-miR-1		
Ip6k2	59268	inositol hexakisphosphate kinase 2	NM_021660	rno-miR-1	rno-miR-206	
Trdn	59299	triadin	NM_021666	rno-miR-344b-1-3p		
Clock	60447	clock circadian regulator	NM_021856	rno-miR-1	rno-miR-206	rno-miR-34b
Exoc5	60627	exocyst complex component 5	NM_022204	rno-miR-344b-1-3p		
Ncoa4	619385	nuclear receptor coactivator 4	NM_001034007	rno-miR-344b-1-3p		
Fam104a	619573	family with sequence similarity 104, member A	NM_001034958	rno-miR-466b-1		
Hspd1	63868	heat shock protein family D member 1	NM_022229	rno-miR-1	rno-miR-206	
Cd244	64025	CD244 molecule	NM_022259	rno-let-7a	rno-miR-98	
Casp7	64026	caspase 7	NM_022260	rno-miR-1		
Ccnd2	64033	cyclin D2	NM_022267	rno-miR-98		

Snx16	64088	sorting nexin 16	NM_022289	rno-let-7a	rno-miR-98	
Pi4ka	64161	phosphatidylinositol 4-kinase alpha	NM_022301	rno-miR-1	rno-miR-206	
Ppib	64367	peptidylprolyl isomerase B	NM_022536	rno-miR-1	rno-miR-206	
NdrG4	64457	NDRG family member 4	NM_001271092	rno-miR-466b-1		
Bpnt1	64473	3'(2'), 5'-bisphosphate nucleotidase 1	NM_171990	rno-miR-344b-1-3p		
Tspan2	64521	tetraspanin 2	NM_022589	rno-miR-466b-1		
Cnbp	64530	CCHC-type zinc finger, nucleic acid binding protein	NM_022598	rno-miR-1	rno-miR-206	
Snap23	64630	synaptosomal-associated protein 23	NM_022689	rno-miR-34b		
Csnk1g3	64823	casein kinase 1, gamma 3	NM_022855	rno-miR-466b-1		
Crisp1	64827	cysteine-rich secretory protein 1	NM_022859	rno-let-7a		
Synpr	66030	synaptoporin	NM_023974	rno-miR-466b-1		
Hmg11	679571	high-mobility group (nonhistone chromosomal) protein 1-like 1	NM_001109373	rno-miR-344b-1-3p		
Slc17a4	679784	solute carrier family 17, member 4	NM_001271214	rno-miR-466b-1		
LOC679811	679811	similar to RIKEN cDNA D930015E06	XM_006224154	rno-miR-181a-2		
Lemd3	680066	LEM domain containing 3	NM_001191000	rno-miR-466b-1		
Mbnl2	680445	muscleblind-like splicing regulator 2	NM_001111064	rno-miR-34b		
Rbm41	680581	RNA binding motif protein 41	NM_001109420	rno-miR-466b-1		
Qsox2	681023	quiescinc sulfhydryl oxidase 2	NM_001109434	rno-miR-1	rno-miR-206	
		similar to potassium channel tetramerization domain containing				
LOC681355	681355	12b	XM_003752020	rno-miR-466b-1		
		similar to potassium channel tetramerization domain containing				
LOC683430	683430	12b	XM_001065910	rno-miR-466b-1		
Eny2	685258	enhancer of yellow 2 homolog (Drosophila)	NM_001130580	rno-miR-466b-1		
Lrrtm2	685472	leucine rich repeat transmembrane neuronal 2	NM_001109469	rno-miR-466b-1		
Nme4	685679	NME/NM23 nucleoside diphosphate kinase 4	NM_001109478	rno-let-7a		
LOC687029	687029	synovial sarcoma translocation gene on chromosome 18-like 2	XM_003750606	rno-miR-34b		
LOC687808	687808	solute carrier family 16, member 9	XM_001080216	rno-miR-466b-1		
Commd2	688478	COMM domain containing 2	NM_001109503	rno-miR-466b-1		
Tslp	688621	thymic stromal lymphopoiectin	XM_002725343	rno-miR-1		
LOC688765	688765	hypothetical protein LOC688765	NM_001109512	rno-miR-34b		
Lin28b	689054	lin-28 homolog B	XM_006223929	rno-let-7a	rno-miR-98	
Cenpw	689399	centromere protein W	NM_001246319	rno-miR-466b-1		
Ryr2	689560	ryanodine receptor 2	NM_001191043	rno-miR-181a-2		
LOC689574	689574	hypothetical protein LOC689574	NM_001195503	rno-miR-344b-1-3p		
Srsf1	689890	serine/arginine-rich splicing factor 1	NM_001109552	rno-miR-1	rno-miR-206	
Fam91a1	689997	family with sequence similarity 91, member A1	NM_001127578	rno-miR-1	rno-miR-206	rno-miR-466b-1
Zcchc3	690005	zinc finger CCHC-type containing 3	XM_002726251	rno-let-7a	rno-miR-98	
Fam168b	690188	family with sequence similarity 168, member B	NM_001271134	rno-miR-1	rno-miR-206	
Ttll4	690512	tubulin tyrosine ligase like 4	XM_006245297	rno-let-7a	rno-miR-98	
Pou2af1	690528	POU class 2 associating factor 1	NM_001109599	rno-miR-181a-2		
Katnb1	691543	katanin regulatory subunit B1 like 1	NM_001109645	rno-miR-466b-1		
Kctd4	691835	potassium channel tetramerization domain containing 4	NM_001109650	rno-miR-466b-1		
Begain	79146	brain-enriched guanylate kinase-associated	NM_024163	rno-let-7a	rno-miR-98	
Slc6a1	79212	solute carrier family 6 member 1	NM_024371	rno-let-7a	rno-miR-98	
Gng5	79218	G protein subunit gamma 5	NM_024377	rno-let-7a	rno-miR-98	

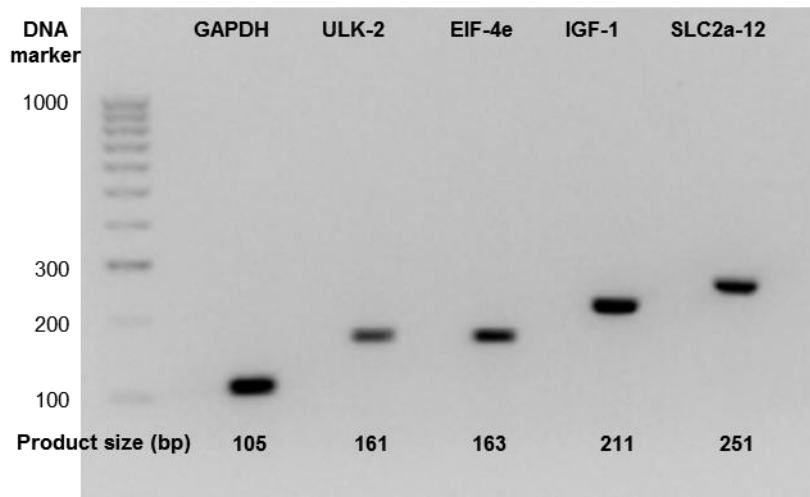
Gk	79223	glycerol kinase	NM_024381	rno-miR-466b-1	
Hsd17b2	79243	hydroxysteroid (17-beta) dehydrogenase 2	NM_024391	rno-let-7a	rno-miR-98
Smad7	81516	SMAD family member 7	NM_030858	rno-miR-344b-1-3p	
Ctbs	81652	chitobiase	NM_031023	rno-let-7a	rno-miR-98
Gatm	81660	glycine amidinotransferase	NM_031031	rno-let-7a	rno-miR-98
Gtf2b	81673	general transcription factor IIB	NM_031041	rno-miR-466b-1	
Itpr2	81678	inositol 1,4,5-trisphosphate receptor, type 2	NM_031046	rno-miR-34b	
Vim	81818	vimentin	NM_031140	rno-let-7a	
Slc20a1	81826	solute carrier family 20 member 1	NM_031148	rno-let-7a	rno-miR-98
Rab11a	81830	RAB11a, member RAS oncogene family	NM_031152	rno-miR-466b-1	
Cdh2	83501	cadherin 2	NM_031333	rno-miR-466b-1	
Pafah1b1	83572	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 SWI/SNF related, matrix associated, actin dependent regulator of	NM_031763	rno-miR-34b	
Smarcd2	83833	chromatin, subfamily d, member 2	NM_031983	rno-miR-181a-2	
Calb1	83839	calbindin 1	NM_031984	rno-miR-34b	
Hsd17b12	84013	hydroxysteroid (17-beta) dehydrogenase 12	NM_032066	rno-miR-466b-1	
Col3a1	84032	collagen, type III, alpha 1	NM_032085	rno-miR-1	
Clcn3	84360	chloride voltage-gated channel 3	NM_053363	rno-miR-1	rno-miR-206
Cdh11	84407	cadherin 11	NM_053392	rno-miR-344b-1-3p	rno-miR-466b-1
Arid4b	84481	AT-rich interaction domain 4B	NM_053421	rno-miR-344b-1-3p	
Tec	84492	tec protein tyrosine kinase	NM_053432	rno-miR-344b-1-3p	
Ppp1r9b	84686	protein phosphatase 1, regulatory subunit 9B	NM_053474	rno-miR-466b-1	
Gas7	85246	growth arrest specific 7	NM_053484	rno-let-7a	rno-miR-98
Slc44a1	85254	solute carrier family 44 member 1	NM_001033852	rno-miR-1	rno-miR-206
Slc25a27	85262	solute carrier family 25, member 27	NM_053500	rno-let-7a	rno-miR-98
Ajuba	85265	ajuba LIM protein	NM_053503	rno-miR-1	rno-miR-206
Rhoq	85428	ras homolog family member Q	NM_053522	rno-miR-466b-1	
Klf15	85497	Kruppel-like factor 15	NM_053536	rno-miR-466b-1	

**Table S2.** Delta Ct (DCT) data showing relative Ct values compared to *miR-1*. MiRNAs having values >10 correspond to low abundance miRNA, while <6 denotes for high abundant miRNA. \*Dct values were calculated as average Ct differences compared to average Ct values of *miR-1*.

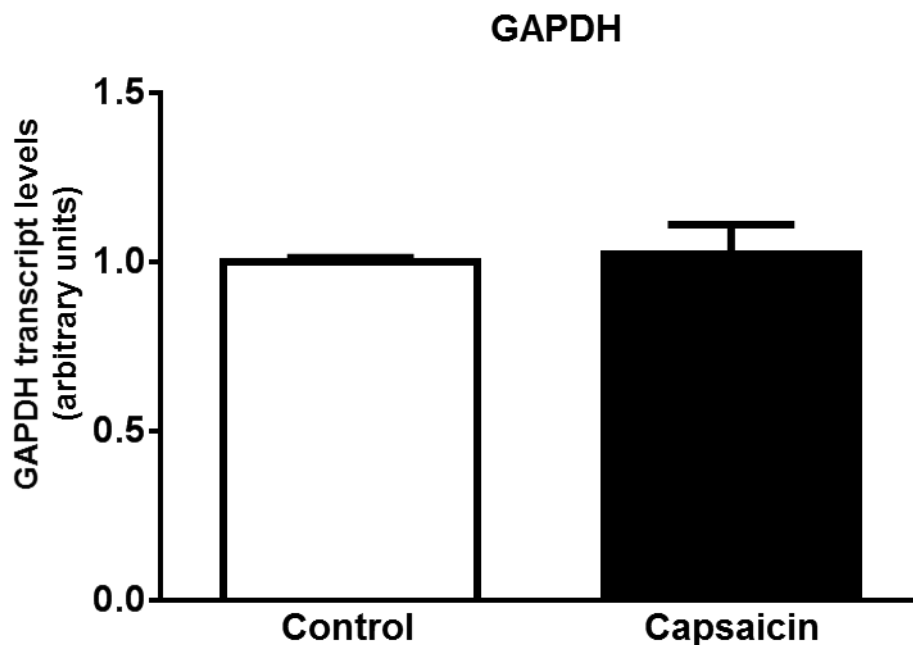
miRNA	Assay ID	Expression Rate (Dct)*
<i>rno-miR-344b-1-3p</i>	464456_mat	n.d.
<i>rno-miR-466b-1-3p</i>	002066	7.92
<i>rno-miR-98-5p</i>	000577	9.54
<i>rno-let-7a-5p</i>	000268	3.20
<i>rno-miR-1-3p</i>	464456_mat	0.00
<i>rno-miR-206-3p</i>	000510	10.84
<i>rno-miR-34b-3p</i>	002618	8.31
<i>rno-miR-181a-2-3p</i>	464683_mat	3.81



**Figure S1.** Representative ECG-gated M-mode images of transthoracic echocardiography. (A) Control and (B) sensory neuropathy. A reduction in left ventricular end-diastolic diameter in sensory neuropathic animals is seen. Echocardiography data are shown in Table S2.



**Figure S2.** Amplified cDNA transcripts by the specific primers from pooled heart samples, separated by agarose gel ELFO. Bands show the transcripts separated by the size of the molecule. Lanes with no signals are negative controls (contain primers but no cDNA). DNA marker: HyperLadder™ IV molecular weight marker (100 bp–1013 bp; BIOLINE). *GAPDH*, glyceraldehyde-3-phosphate dehydrogenase; *ULK-2*, unc-51 like autophagy activating kinase 2; *EIF-4e*, eukaryotic translation initiation factor 4e; *IGF-1*, insulin-like growth factor 1; *SLC2a-12*, solute carrier family 2 facilitated glucose transporter member 12; and bp, base pairs.



**Figure S3.** mRNA levels of GAPDH (glyceraldehyde-3-phosphate dehydrogenase) in capsaicin-treated rat heart samples as compared to vehicle controls. Data are expressed in arbitrary units as means  $\pm$  S.E.M. (n = 5–6, p = 0.79; unpaired Student's t-test).