

Supplementary Information

Table S1. Single-nucleotide polymorphisms associated with cardiac arrhythmias extracted from publications.

Gene	Polymorphism	Accession No.	5'-Near sequence	Variant	Wild type	3'-Near sequence	Chr	Position	Amino acid change	PMID	Year
SCN10A	rs10428132	NG 031891.1	aaggaggtgacaaagtgcattgaacacagag	G	T	ttgagaataagtgcactaagtgaagactaa	3	38777554	Intron	23872634	2013
HEY2	rs9388451		cttaatgttcttagtgtgaagacaaaatcc	C	T	tcacctcactacgaggccatgcaagatcca	6	126090377	Intron	23872634	2013
SCN5A	rs11708996	NG 008934.1	ccacactcttacaagctgtgagttccact	C	G	ttccacaaccctgtcaacacacagaagtct	3	38633923	Intron	23872634	2013
TBX5	rs3825214	NG 007373.1	ctcttgttgagggttaaccaccagtc	A	G	gctcatggcagacataattcacaataaac	12	114795443	Intron	23717681	2013
NOS1AP	rs12143842		tgaattagcaccagggtcacatcccagtt	C	T	aaaaatatcccatggagtgagtcactctca	1	162033890		23166209	2012
ATP1B1	rs1320976	NG 023230.1	ggctctttaccagcttctgtgtgatgaa	A	G	tggttagatgagtggtacaattccagatgg	1	169073346		23166209	2012
ZEB1	rs220073	NG 017048.1	tagaaaattttgaaagcaccgagctaaatg	A	C	aatatttctctacaacctaattgttctct	10	31808203	Intron	23130627	2012
	rs13017846		ggcttctcctgcctctgtgtctacagtga	A	G	tatttatggagataaacttccaaacttttc	2	40757791		PMC3397256	2012
	rs6817105		tatttacattaattgatcagtttttatta	C	T	ctttttctggtccttttctactaatttg	4	111705768		PMC3366038	2012
ZFHX3	rs2106261	NG 013211.1	gggccacttggatatttaattgatggttg	A	G	acaattctctggacgagctctatctgtggg	16	73051620	Intron	PMC3366038	2012
KCNN3	rs6666258	NG 016807.2	gagtaaggatgagatgtgcgagccgaagg	C	G	ctgtgcagggtcgtgggagagcgggctgagt	1	154814268	Intron	PMC3366038	2012
KCNJ2	rs7219669		aaaggagagaaaagggaagatattccaagt	G	T	aatgactccatgataaaatttaaggccaa	17	68521861		22342860	2012
	rs10033464		ttcttttttaccattgttagagtaagaaa	G	T	aagtgctttcatcaagctctgagttacaga	4	111720761		pmc3132749	2011
	rs3853445		ccagttcaagcattttctagccaagatac	C	T	tcataaaccttccaagagaaaagggcattg	4	111761487		pmc3132749	2011
	rs6838973		tgagcctccactggaggaaatctgtggagta	C	T	ttgtcctcacatttctgttccaatcgga	4	111765495		pmc3132749	2011
ZFHX3	rs7193343	NG 013211.1	ctaattggcatgtcaattaagggttcacca	C	T	aaacaagctgttcaaaacttcccctccact	16	73029160	Intron	pmc3132749	2011
KCNN3	rs13376333	NG 016807.2	tcattggatcgagcaggtctgtccttct	C	T	atctgacattgtccatttaagtctctccag	1	154814353	Intron	pmc3132749	2011
KCNN3	rs1131820	NG 016807.2	acgtgaagtcacgtcttctgtgatcgacaa	C	T	ggcgcggtgactggcggtatgccatgacc	1	154744852	N44N	21398315	2011
SCN5A	rs3922844	NG 008934.1	ctacctcttcacctctgtacatattccac	A	G	tgaatatgtattattttaagccaaaggca	3	38624253	Intron	21347284	2011
ZFHX3	rs2106261	NG 013211.1	gggccacttggatatttaattgatggttg	A	G	acaattctctggacgagctctatctgtggg	16	73051620	Intron	21107608	2010
	rs2824292		caggccatctagaagctcttacaggctctt	A	G	tagcaggcaaggaaacaggtgcacagaccaa	21	18787176		20622880	2010
SCN10A	rs6795970	NG 031891.1	caggaaagctgacatacctacctcagcagg	A	G	cctgaggaaacagactcatcttccacgtct	3	38766675	V1073A	20062061	2010
	rs7638908		gaaagctaaacttttgagtcgtgtgtag	C	T	cgggttagaggacacggcgcgagccgga	3	27754711		19389651	2009
XYLB	rs2070488		gcccgggagcttctcaggtagagaccatc	A	G	gaattgtttgtagcatttgcattatgaaa	3	38442490	Intron	19389651	2009
EXOG	rs2284820		caaggaaagaacgggtgtttttctgaata	C	T	ccaactaggacctgtccctatattagacag	3	38562579	Intron	19389651	2009
EXOG	rs1065800		ggctcttgaggcagcttttgaataactct	A	G	tgtagttctgtccacatgcactatatt	3	38566480		19389651	2009
ACVR2B	rs2268757	NG 011791.1	gtgcagggtcccttgccttgggcatgtta	C	T	gatcctgaaaatatgtctaaaagctgggtg	3	38505853	Intron	19389651	2009
ACVR2B	rs1058945	NG 011791.1	agataagctctttgaacaatttcagtc	A	G	ctaattgtctaaatgtagaacattccttaa	3	38532511		19389651	2009

Table S1. Cont.

Gene	Polymorphism	Accession No.	5'-Near sequence	Variant	Wild type	3'-Near sequence	Chr	Position	Amino acid change	PMID	Year
XYLB	rs1002676		gtcaccatgtggagcacatccagagctgca	A	C	tatccaatacagtagctgcaagccatgtat	3	38444932	Intron	19389651	2009
EXOG	rs2051215		atagacaagaaaaatcaaggcttaaggatc	A	G	agtctcaggcatatagcttataattgtcaa	3	38560345	Intron	19389651	2009
ACVR2B	rs7373828	NG 011791.1	ctccaataagattttgttgaatatcagc	A	G	ctcaaggcaagtagtggtgtctatcctag	3	38524311	Intron	19389651	2009
XYLB	rs2067082		gtgaacctaaatgggaacctcaccattat	C	G	cccatgaaacatgctctttagcttgggt	3	38438182	Intron	19389651	2009
	rs2461751		aaatgaacaaaatgccattcatccagcg	C	T	tcaagagtagtgggggagatagacaattct	2	176289319		19389651	2009
RNF207	rs846111		atattttcagtagaggctctctgagagg	C	G	cgttcggagcccagctgttctttaggct	1	6279370	G603A	19305409	2009
ATP1B1	rs10919071	NG 023230.1	gtataagtctcagtgagatgaatttagct	A	G	tactaggtaaaactttttaaagaacagaa	1	169099483	Intron	19305409	2009
SCN5A	rs11129795	NG 008934.1	tcaaatattatgattccacttatataag	A	G	catttagggtagttgaattgtcaaatatt	3	38589163		19305409	2009
PLN	rs11970286		ccagtctgaggccaaaggcatgagaactag	C	T	gaatgggaggaggagtgaaaggtagtgagg	6	118680374		19305409	2009
KCNH2	rs2968863		actgaacttacagccagctctgtatgaac	A	G	gctttccagtcatttgtgtttgaagct	7	150623137		19305409	2009
KCNQ1	rs12296050	NG 008935.1	ccggaaaatgcactgtctctggtgctcc	C	T	aacctttcacaggccacaggcccattccca	11	2489342	Intron	19305409	2009
LITAF	rs8049607		gccaggctggaatgggacaaaaccagca	C	T	gctttttgctttttttcttttagag	16	11681753		19305409	2009
NDRG4	rs7188697		agccaccacactccagcctgggtgacgaga	A	G	agagactctgtctcaaaaacaccaaggtta	16	58622178	Intron	19305409	2009
KCNJ2	rs17779747		tttccaaaatatctgtgagggtccaaatg	G	T	tagccagaattctgtctttgtgatgagc	17	68494992		19305409	2009
NOS1AP	rs4657178	NG 015979.1	gggtgatataactagtttgggatttcac	C	T	tggagcaattatggcctgcccttcagag	1	162210610	Intron	19305409	2009
PLN	rs12210810		cccacagacactgtctgtgttcacacaga	C	G	gcctggctctgagcagaacaaatggtgctat	6	118653204		19305409	2009
	rs10033464		ttcttttttcatgttagtagtcaagaaa	G	T	aagtgtcttcatcaagctctgagtacaga	4	111720761		19141561	2009
NOS1AP	rs6670339	NG 015979.1	atccaattctggacaaaatgagctcaagg	C	T	tttgtgtgtaaatgaggtctgtctttca	1	162055806		18927126	2009
NOS1AP	rs1415257	NG 015979.1	atcttaagaaaatccactagctgaacact	A	G	aacttcctaaaacaaaagaatgaatgaata	1	162062044	Intron	18927126	2009
NOS1AP	rs1415259	NG 015979.1	catttgagaggcaaaagctctcaccatccca	A	G	attacatttctagacaattccttccaag	1	162085309	Intron	18927126	2009
NOS1AP	rs4657140	NG 01 5979.1	agtgatcatcagagcttttaaaattgcta	A	T	ttagttgctctgtttatttttttagagac	1	162061265	Intron	18927126	2009
NOS1AP	rs10494366	NG 015979.1	gttgatcagatatttatgggaggtatgcag	G	T	ttttaaattctgagaattgtactggtctc	1	162085685	Intron	18927126	2009
	rs2880058		agacattggatcagcatccatcgaattca	A	G	tatgactgcactttaaaccaattactaatg	1	162014632		18927126	2009
	rs7550692		catacatatacacatgcagtggggtcaac	C	T	ttgggcaaaattgcatttggaaaagttt	1	162029291		18927126	2009
NOS1AP	rs1932933	NG 015979.1	aaaatacattgactgagtgaatcctcca	A	G	aaatgaacacagattcacccaagtgccca	1	162118046	Intron	18927126	2009
	rs4656349	NG 015979.1	ttgtcaggattaaaaatcacagaatttaa	A	G	tacgggtattgtctgtcttcttctctga	1	162049824	Intron	18927126	2009
	rs17042171		acaggggtgctgaggacagtggtcatgcaa	A	C	ttccagtgaggtaatttaattgttaaat	4	111708287		PMC2761746	2009