List of the analysed genes and investigated genetic diseases

Table 1: CardioScreen-Prevention sudden cardiac arrest

	DISEASE NAME	PhenoMIM	GENE
1	Atrial fibrillation, familial, 12	614050	ABCC9
2	Atrial septal defect 5	612794	ACTC1
3	Dilated cardiomyopathy 1AA	612158	ACTN2
4	Cardiomyopathy, hypertrophic/Cardiomyopathy, dilated	609599	ANKRD1
5	Ventricular tachycardia, catecholaminergic polymorphic, 2	611938	CASQ2
6	Cardiomyopathy, familial hypertrophic	192600	CAV3
7	Cardiomyopathy, dilated, 1II	615184	CRYAB
8	Cardiomyopathy, dilated, 1M	607482	CSRP3
9	Cardiomyopathy, dilated	600435	CTF1
10	Cardiomyopathy, dilated, 1I	604765	DES
11	Arrhythmogenic right ventricular dysplasia 11	610476	DSC2
12	Arrhythmogenic right ventricular dysplasia 10	610193	DSG2
13	Arrhythmogenic right ventricular dysplasia 8	607450	DSP
14	Left ventricular noncompaction 1, with or without congenital heart defects	604169	DTNA
15	Emery-Dreifuss muscular dystrophy 1, X-linked	310300	EMD
16	Cardiomyopathy, dilated	602633	FHL2
17	Fabry disease, cardiac variant	301500	GLA
18	Arrhythmogenic right ventricular dysplasia 12	611528	JUP
19	Cardiomyopathy, dilated, 1JJ	615235	LAMA4
20	Danon disease	300257	LAMP2
21	Cardiomyopathy, dilated, 1C, with or without LVNC	601493	LDB3
22	Cardiomyopathy, dilated, 1A	115200	LMNA
23	Cardiomyopathy, dilated, 1MM	615396	MYBPC3
24	Atrial septal defect 3	614089	MYH6
25	Cardiomyopathy, dilated, 1S	613426	MYH7
26	Cardiomyopathy, hypertrophic, 10	608758	MYL2
27	Cardiomyopathy, hypertrophic, 8	608751	MYL3
28	Cardiomyopathy, hypertrophic, 1, digenic	192600	MYLK2
29	Cardiomyopathy, hypertrophic, 16	613838	MYOZ2
30	Cardiomyopathy, dilated, 1CC	613122	NEXN
31	Arrhythmogenic right ventricular dysplasia 9	609040	PKP2
32	Cardiomyopathy, dilated, 1P	609909	PLN
33	Cardiomyopathy, hypertrophic 6	600858	PRKAG2
34	Cardiomyopathy, dilated, 1DD	613172	RBM20
35	Arrhythmogenic right ventricular dysplasia 2	600996	RYR2

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36	Cardiomyopathy, dilated, 1L	606685	**SGCD**
37	Barth syndrome	302060	**TAZ**
38	Cardiomyopathy, hypertrophic, 25	607487	**TCAP**
39	Arrhythmogenic right ventricular dysplasia 5	604400	**TMEM43**
40	Cardiomyopathy, dilated, 1Z	611879	**TNNC1**
41	Cardiomyopathy, dilated, 2A	611880	**TNNI3**
42	Cardiomyopathy, dilated, 1D	601494	**TNNT2**
43	Cardiomyopathy, dilated, 1Y	611878	**TPM1**
44	Cardiomyopathy, dilated, 1G	604145	**TTN**
45	Amyloidosis, hereditary, transthyretin-related	105210	**TTR**
46	Cardiomyopathy, dilated, 1W	611407	**VCL**

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