

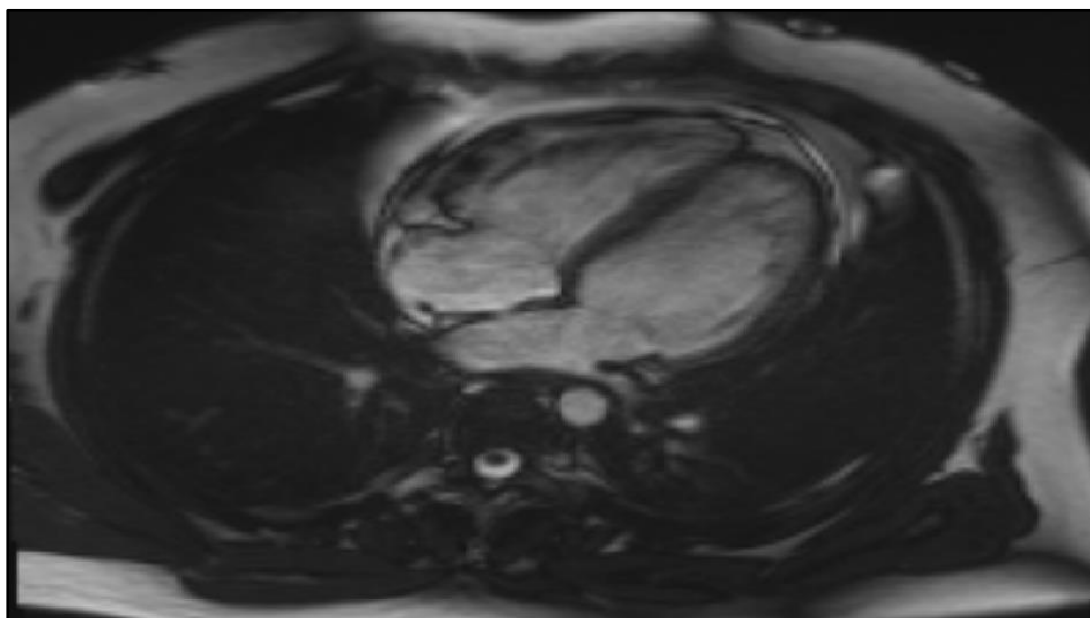
Supplementary Table S1

List of 46 inherited cardiac arrhythmias related genes

ABCC9, AKAP9, ANK2, CACNA1C, CACNA2D1, CACNB2, CALM1, CALM2, CALM3, CASQ2, CAV3, DES, DSC2, DSG2, DSP, GPD1L, HCN4, JUP, KCND3, KCNE1, KCNE1L, KCNE2, KCNE3, KCNH2, KCNJ2, KCNJ5, KCNJ8, KCNQ1, LMNA, NKX2-5, PKP2, PLN, RANGRF, RYR2, SCN10A, SCN1B, SCN2B, SCN3B, SCN4B, SCN5A, SNTA1, TGFB3, TMEM43, TRDN, TRPM4, TTN

Supplementary Table S2.

| Gene | primer | sequencing |
|--------------|---------|-----------------------|
| <i>KCNH2</i> | Forward | TGGCTAGCCTGCATCTGGT |
| | Reverse | CTCAGTCTCAGCGTCGACATG |
| <i>JUP</i> | Forward | GTTCTGTCTCCTGTCCCCGC |
| | Reverse | ACTCACCAGCCTCCACAATG |



Supplement figure 1

Proband's enhanced magnetic resonance exhibit normal cardiac structure.