Table S1. Detected variants.

Variants detected
MYH7:rs121913651, NM_000257.4(MYH7): c.1447G>A, p.Glu483Lys
MYH7:rs3729823, c.4472C>G, p.p.Ser1491Cys
MYH7:rs2069542
MYH7:rs???, NOVEL???, NM_000257.4:c.3847G>A, p.Glu1283Lys
MYH7:rs2231126
MYBPC3:rs727504318, NM_000256.3(MYBPC3): c.450A>G
MYBPC3:rs34580776, NM_000256.3(MYBPC3): p.Arg326Gln
MYBPC3:rs1052373
MYBPC3:rs780012957, NM_000256.3(MYBPC3): c.165C>A, p.Tyr55ter
MYBPC3:rs???, NOVEL??? NM_000256.3(MYBPC3): c.164A>G, p.Tyr55Cys
MYBPC3:rs1052373
MYBPC3:synon., rs3218719
MYBPC3:rs1052373
MYBPC3:rs775069579, NM_000256.3(MYBPC3): c.1082_1088delAGA, p.Lys361del (1of2Lys)
MYBPC3:rs1052373
MYBPC3:rs1052373
MYBPC3:RS???, NOVEL???, NM_000256.3:c.89dupA, p.Ala31GlyfsTer18
MYBPC3:rs34580776, NM_000256.3(MYBPC3): p.Arg326Gln
MYBPC3:rs3729989, NM_000256.3:c.706A>G, p.Ser236Gly
MYBPC3:rs3729989, NM_000256.3:c.706A>G, p.Ser236Gly
MYBPC3:rs1052373
TNNT2:rs121964856, NM_001276345.2(TNNT2): c.305G>A, p.Arg102Gln
TNNT2:rs3729547
TNNT2:rs3729547
TNNT2:rs3729547
TNNT2:rs3729547
TNNT2:rs3729547
TNNI3:synon, rs3729711
TNNI3:rs3729841
TPM1:rs??? NOVEL???, NM_001018005.1: c.631G>A, p.Ala211Thr
TRPM4:rs???,NOVEL???, NM_017636.3:c.2158G>A, p.Glu720Lys
TRPM4:rs???, NOVEL???, NM_017636.3:c.913G>A, p.Gly305Arg
TRPM4:rs???, NOVEL???, HET, NM_017636.3:c.536G>A, p.Gly179Glu
TRPM4:rs150391806, NM_017636.3:c.3611C>T, p.Pro1204Leu
DSC2:rs148185335, NM_024422.3:c.1787C>T, p.Ala596Val
DSC2:rs148185335, NM_024422.3:c.1787C>T, p.Ala596Val
DSC2:rs61731921, NM_024422.3:c.2393G>A, p.Arg798Gln
RYR1:NM_000540.2:c.14833C>T, p.Arg4945Ter (STOP)
ABCC9:rs???, NOVEL??, NM_020297.2:c.3394_3395dupAC, p.Pro1133LeufsTer70
DSP:rs???, NOVEL???, NM_004415.2:c.528T>A, p.Ser176Arg
DSP:rs17604693, NM_004415.2:c.913A>T, p.Ile305Phe
FBN1:rs112287730, NM_000138.4:c.2956G>A, p.Ala986Thr
FBN1:rs???, NOVEL???, NM_000138.4:c.1081G>T, p.Asp361Tyr

MYL3:rs139794067, NM_000258.3(MYL3): c.170C>G, p.Ala57Gly
JPH2:rs761591158, NM_020433.4:c.692G>A,p.Arg231Gln
CTF1:rs???, NOVEL???, NM_001330.3:c.277G>T, p.Ala93Ser
CSRP3:rs45550635, NM_003476.4:c.10T>C, p.Trp4Arg
CACNA1C:rs???, NOVEL???, NM_199460.2:c.3830T>A, p.Leu1277His
PTPN11:rs397507528, NM_002834.3:c.824A>C, p.Asn275Thr
ELN:rs17855988, NM_001278939.1:c.1828G>C, p.Gly610Arg
ELN:rs370619098, NM_001278939.1:c.1363G>A, p.Ala455Thr
NOTCH1:rs???, NOVEL???, NM_017617.3:c.1060G>T, p.Val354Leu
MYH6:rs150815925, NM_002471.3:c.4193G>A, p.Arg1398Gln
DMD:rs1800279, hemizyg., (NM_004006.2:c.8762A>G, p.His2921Arg
LAMA4:rs???, NOVEL???, NM_001105206.2:c.1436A>G, p.Asp479Gly
RBMD20:rs753102653, NM_001134363.1:c.3584C>A,p.Ser1195Tyr
TTN:rs16866391, TTN-AS1, TTN, intronic, NR_038271.1:n.447-21865T>C
TTN:rs201213901, TTN-AS1, TTN, intronic, NR_038271.1:n.683-232G>A
TTN:TTN-AS1, TTN: rs181717727, intron variant, NR_038271.1:n.597-12717C>T
TTN:rs201043950, TTN-AS1, TTN, intronic, NR_038271.1:n.596+4862C>T
TTN:rs181189778, NM_001267550.1:c.43690T>A, p.Ser14564Thr
TTN:rs72648940
TTN:rs???, NOVEL???, INTRONIC, NM_001267550.1:c.11312-3743G>C
TTN:rs72650011, HOMOZYG, NM_001267550.1:c.30274C>T, p.His10092Tyr
TTN:rs???, NOVEL???, NM_001267550.1:c.17721G>T, p.Lys5907Asn
TTN:rs773984912, TTN-AS1, TTN, intronic variant, NR_038271.1:n.446+10189G>A
SDHA:rs201741295
SDHA:rs201139275
SDHA:rs76896145
SDHA:rs111387770
HCN4:rs???, NOVEL???, in frame deletion, het., NM_005477.2 c.3417-3425 (cCTCCCCCAGga/cga), p.2423-2431
HCN4:rs???, NOVEL???, NM_005477.2:c.3317C>T, p.Pro1106Leu
MYPN:rs71534278, NM_001256267.1:c.3335C>T, p.Pro1112Leu
ANKRD1:rs150797476, NM_014391.2:c.197G>A, p.Arg66Gln
PKP2:rs200586695, NM_004572.3:c.1114G>C, p.Ala372Pro
PKP2:rs150821281, NM_004572.3:c.419C>T, p.Ser140Phe
PKP2:rs146102241, NM_004572.3:c.1759G>A, p.Val587Ile
NEXN:rs397517853
NEXN:rs760927219, NM_144573.3:c.1949_1951delGAG, p.Gly650del
NEXN:rs794729091, NM_144573.3:c.1419_1421delAAG, p.Arg475del
DSG2:rs2230234, NM_001943.3:c.877A>G, p.Ile293Val
DSG2:rs2230234, NM_001943.3:c.877A>G, p.Ile293Val
PDLIM3:rs???, NOVEL???, intron variant NM_014476.5:c.331-537G>T
NKX2-5:rs28936670, NM_004387.3:c.73C>T, p.Arg25Cys