

Description of Additional Supplementary Files

Supplementary Data 1:

Shared variants between patient 1-2 and 2-1 after WGS analysis and allele frequencies according to 1000 genomes (phase3) and ExAC (all and Finnish population).

Supplementary Movie 1:

High-speed video imaging of ventricular area of SUR2-STOP wildtype zebrafish at 5 dpf. Three entire cardiac cycles are shown which are slowed down by a factor of 5.

Supplementary Movie 2:

High-speed video imaging of ventricular area of SUR2-STOP mutant zebrafish at 5 dpf. Three entire cardiac cycles are shown which are slowed down by a factor of 5. Note reduced contractility compared to wildtype.