

Supplementary materials

Mitochondrial Energetics and Ca²⁺-Activated ATPase in Obstructive Hypertrophic Cardiomyopathy

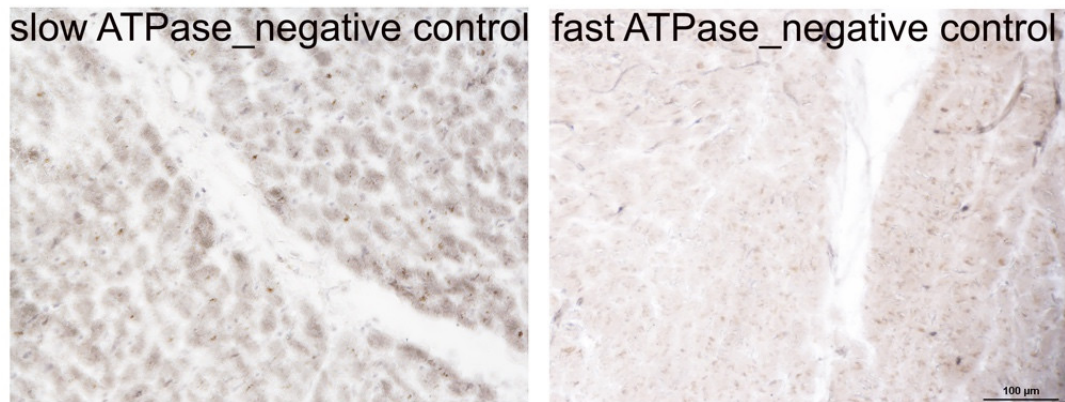
Supplementary Table 1: Analyzed Genes.

Gene	Transcript	OMIM / Phenotype MIM
<i>ACTC1</i>	NM_005159.4	102540
<i>ACTN2</i>	NM_001103.2	102573
<i>CALR3</i>	NM_145046.3	611414
<i>CAV3</i>	NM_033337.2	601253
<i>CSRP3</i>	NM_003476.2	600824
<i>GLA</i>	NM_000169.2	301500
<i>JPH2</i>	NM_020433.4	613873
<i>LAMP2</i>	NM_002294.2	300257
<i>MYBPC3</i>	NM_000256.3	600958
<i>MYH6</i>	NM_004999.3	160710
<i>MYH7</i>	NM_000257.2	160760
<i>MYL2</i>	NM_000432.3	160781
<i>MYL3</i>	NM_000258.2	160790
<i>MYLK2</i>	NM_033118.3	606566
<i>MYOZ2</i>	NM_016599.3	613838
<i>MYPN</i>	NM_032578.2	608517
<i>NEXN</i>	NM_144573.3	613876
<i>PLN</i>	NM_002667.3	172405
<i>PRKAG2</i>	NM_016203.3	600858
<i>TCAP</i>	NM_003673.3	607487
<i>TNNC1</i>	NM_003280.1	613243
<i>TNNI3</i>	NM_000363.4	191044
<i>TNNT2</i>	NM_001001430	191045
<i>TPM1</i>	NM_000366.5	191010
<i>TTR</i>	NM_000371.3	105210
<i>VCL</i>	NM_014000.2	613255

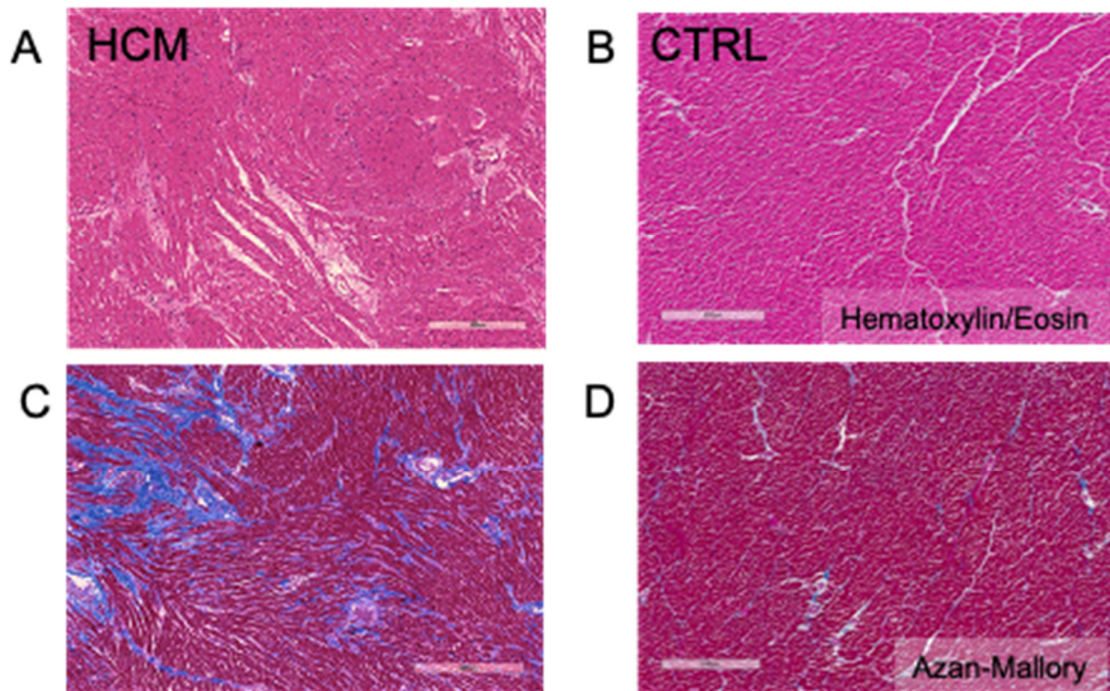
OMIM: Online Mendelian Inheritance in Man.



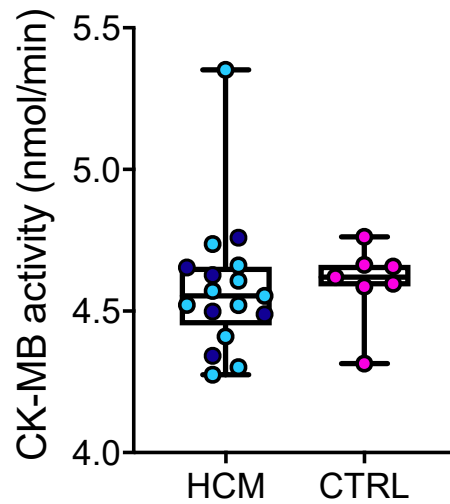
Supplementary Figure 1. NADH histochemistry: technical control. Representative image of myocardial section submitted to NADH histochemistry in the absence of NADH, serving as technical negative control.



Supplementary Figure 2. ATPase histochemistry: technical control. Representative image of myocardial sections submitted to ATPase histochemistry in the absence of ATP in the reaction mixture, serving as technical negative control.



Supplementary Figure 3. Histology. Representative panel of the histologic features of HCM samples, characterized by myofiber disarray (A,C) and interstitial fibrosis (C). Control hearts (CTRL) show parallel arrangement of myofibers (B) and absence of interstitial fibrosis (D). Scale bars indicate the magnification.



Supplementary Figure 4. Cardiac creatine kinase. Quantitative evaluations of creatine kinase cardiac isoenzyme (CK-MB) amount are shown (17 HCM, 7 CTRL). Data are presented in boxes (5-95 percentile) and dots indicate single sample values (mean values from 3 replicates). Dark blue dots indicate HCM patients with mutation, light blue dots those without.