Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Data metafile for each hypertrophic cardiomyopathy patient and healthy control. NSVT, non-sustained ventricular tachycardia; Max, maximum; LV, left ventricle; EF, ejection fraction; LVOT, left ventricular outflow tract; NYHA FC, New York Heart Association Functional Class; LGE, late gadolinium enhancement; EDV, end-diastolic volume; ESV, end-systolic volume; SV, stroke volume; RA, right atrial; mPAP, mean pulmonary artery pressure; PAWP, pulmonary artery wedge pressure; iPVR, indexed pulmonary vascular resistance.

File Name: Supplementary Data 2

Description: Overlap in network proteins between patient-specific hypertrophic cardiomyopathy (HCM) networks from our cohort and DCM networks derived from the GEO databases GSE116250, respectively. Additionally, mean network node overlap between patients with within the DCM cohort is provided.

File Name: Supplementary Data 3

Description: Overlap in network edges between patient-specific hypertrophic cardiomyopathy (HCM) networks from our cohort and DCM networks derived from the GEO databases GSE116250, respectively. Additionally, mean network edge between patients with within the HCM cohort is provided.

File Name: Supplementary Data 4

Description: Overlap in proteins between patient-specific hypertrophic cardiomyopathy (HCM) and dilated cardiomyopathy (DCM) networks derived from the GEO databases GSE36961 and GSE116250, respectively. The overlap in network nodes between HCM and DCM is 0.24 ± 0.04 . Additionally, mean network node overlap between patients within the HCM cohort is provided.

File Name: Supplementary Data 5

Description: Overlap in edges between patient-specific hypertrophic cardiomyopathy (HCM) and dilated cardiomyopathy (DCM) networks derived from the GEO databases GSE36961 and GSE116250, respectively. The overlap in network edges between HCM and DCM is 0.01 ± 0.01 . Additionally, mean network edge overlap between patients within the HCM cohort is provided.

File Name: Supplementary Data 6

Description: Overlap in proteins between patient-specific hypertrophic cardiomyopathy (HCM) and dilated cardiomyopathy (DCM) networks derived from the GEO databases GSE130036 and GSE116250, respectively. The overlap in network nodes between HCM and DCM is 0.23 ± 0.01 . Additionally, mean network node overlap between patients within the HCM cohort is provided.

File Name: Supplementary Data 7

Description: Overlap in edges between patient-specific hypertrophic cardiomyopathy (HCM) and dilated cardiomyopathy (DCM) networks derived from the GEO databases GSE130036 and GSE116250, respectively. The overlap in network edges between HCM and DCM is 0.01 ± 0.00 . Additionally, mean network edge overlap between patients within the HCM cohort is provided.

File Name: Supplementary Data 8

Description: Quantitative data for endophenotypes enriched in the hypertrophic cardiomyopathy (HCM) cohort after adjusting for multiple comparisons. Data were analysed using the one-tailed hypergeometric test and the P-values were adjusted by the Benjamini-Hochberg procedure for multiple comparison.

File Name: Supplementary Data 9

Description: Quantitative data for endophenotypes enriched in the dilated cardiomyopathy (DCM) cohort after adjusting for multiple comparisons. Data were analysed using the one-tailed hypergeometric test and the P-values were adjusted by the Benjamini-Hochberg procedure for multiple comparison.

File Name: Supplementary Data 10

Description: Phenopedia gene list for each of significant HCM endophenotypes.