

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Proteins differentially expressed across the heart regions

File Name: Supplementary Data 2

Description: Differentially expressed proteins in the three heart areas

File Name: Supplementary Data 3

Description: Cell volume, copy numbers across all cardiac samples and contribution of each organelle to cellular protein mass

File Name: Supplementary Data 4

Description: Proteins that are found in the top 75% most abundant proteins

File Name: Supplementary Data 5

Description: Differentially expressed proteins in the ventricular versus atrial region

File Name: Supplementary Data 6

Description: Quantified sarcomeric protein isoforms

File Name: Supplementary Data 7

Description: Proteins displaying at least two-fold higher expression in CFs, AFs, ECs, or SMCs

File Name: Supplementary Data 8

Description: Cell membrane receptors displaying at least two-fold higher expression in CFs compared to AFs, ECs, and SMCs

File Name: Supplementary Data 9

Description: Differentially expressed proteins in AFib patients compared to healthy controls