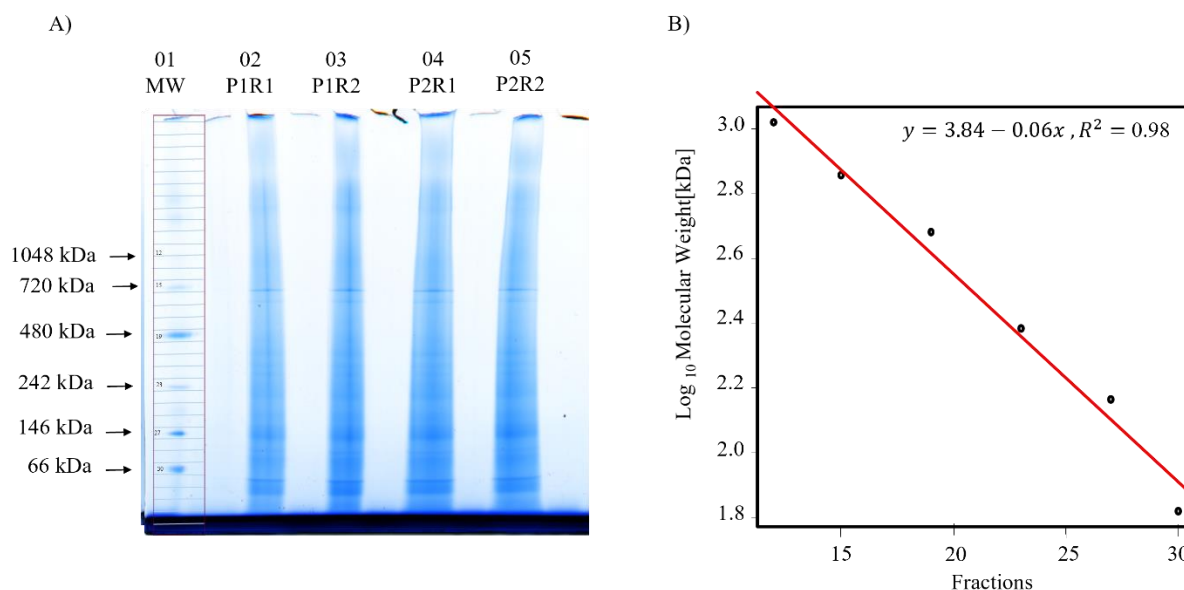


mCP Supplementary Material 2: Molecular Weight Calibration

This document describes the molecular weight calibration performed for the BNE-PAGE separations shown in the main manuscript. The calibration is based on the unstained Native molecular weight ladder (NativeMark, Invitrogen, catalog number LC0725; Supplementary Table 1).

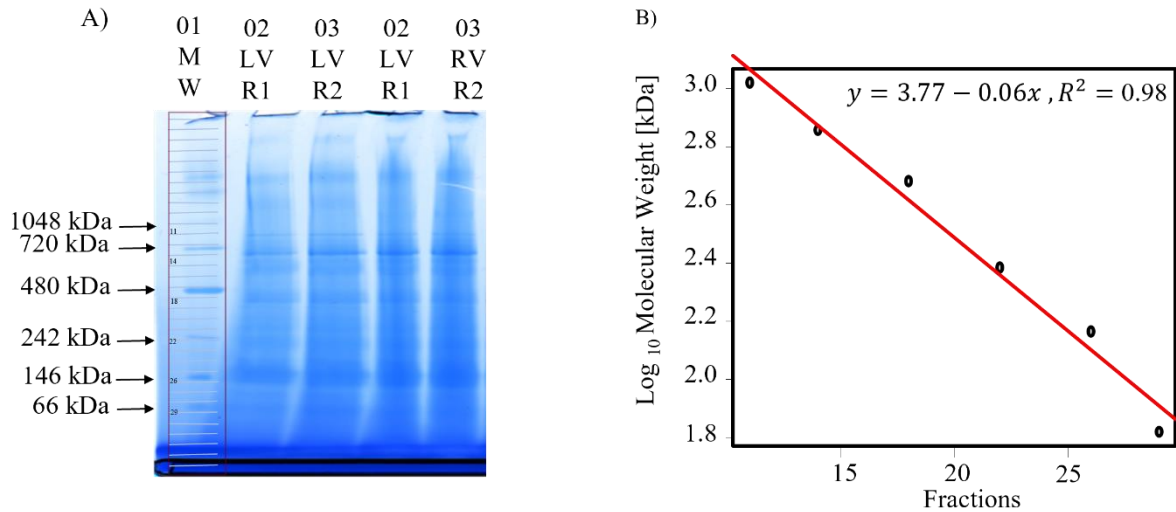
Marker MW (kDa)	Fraction # Suppl. Fig. 8	Fraction # Suppl. Fig. 9	Fraction # Suppl. Fig. 10
1048	12	11	10
720	15	14	13
480	19	18	17
242	23	22	21
146	27	26	25
60	30	29	28

Supplementary Table 1: Molecular weight marker information for BNE-PAGE calibration

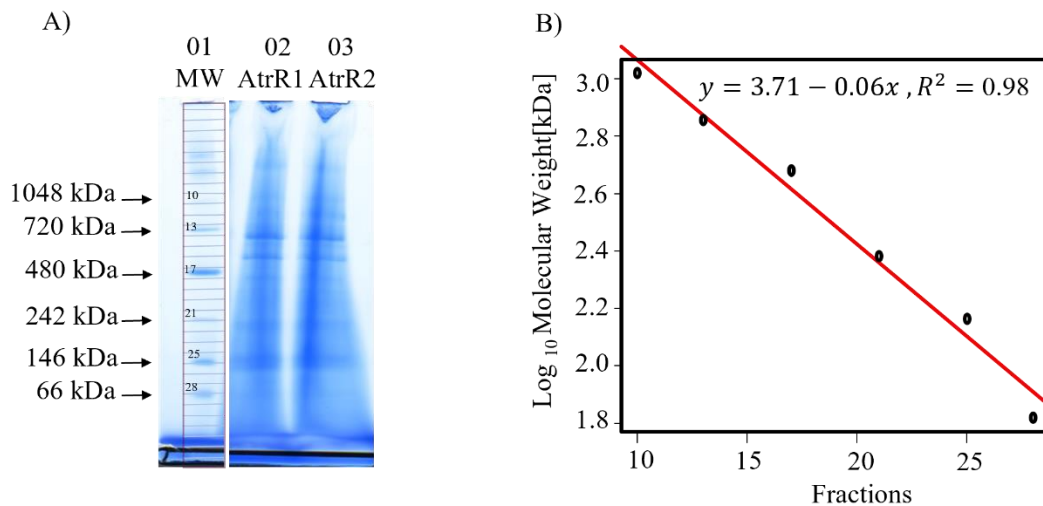


Supplementary Figure 8: Molecular weight calibration of HEK293 lysate using BNE-PAGE A)

Scan of BNE-PAGE 3-12% native tris gel stained by colloidal Coomassie Blue. Lane 01, molecular weight marker (MW). Lanes 02 and 03: technical replicates of HEK293 biological replicate 1. Lanes 04 and 05, technical replicates of HEK293 cells biological replicate 2. B) Log₁₀ linear regression of lane 1 marker molecular weight (MW) vs observed fraction numbers.



Supplementary Figure 9: Molecular weight calibration of cardiomyocyte lysate from left and right mouse heart ventricle using BNE-PAGE. A) Scan of BNE-PAGE 3-12% native tris gel stained by colloidal Coomassie Blue. Lane 01, molecular weight marker (MW). Lanes 02 and 03, technical replicates of left ventricle cardiomyocytes. Lanes 04 and 05, technical replicates of right ventricle cardiomyocytes B) Log₁₀ linear regression of lane 1 marker MW vs observed fractions numbers.



Supplementary Figure 10: Molecular weight calibration of cardiomyocyte lysate from mouse heart atrium using BNE-PAGE. A) Scan of BNE-PAGE 3-12% native tris gel, stained by colloidal Coomassie Blue. Lane 01, molecular weight marker (MW). Lanes 02 and 03: technical replicates of atrial cardiomyocytes. B) Log₁₀ linear regression of lane 1 marker MW vs observed fraction numbers.