**Supplemental Figure S5**

**Adult mouse cardiomyocytes**

**Cav1.2**

**Control**

**Nocodazole**

**Total Cav1.2**

**Total GAPDH**

**Nocodazole decreases general cell peripheral Cav1.2**

3D Segments of Cav1.2 Collapsed to 2D

Peripheral Cav1.2 only (Within 2 µm of surface)

**Nocodazole decreases T-tubule Cav1.2**

Fluorescent Profile Plot of 2D-frame

- Control
- Nocodazole

**Peripheral Cav1.2 (% of Control)**

- Control (n=15)
- Nocodazole (n=5)

**T-tubule Cav1.2 (% of Control)**

- Control (n=15)
- Nocodazole (n=5)