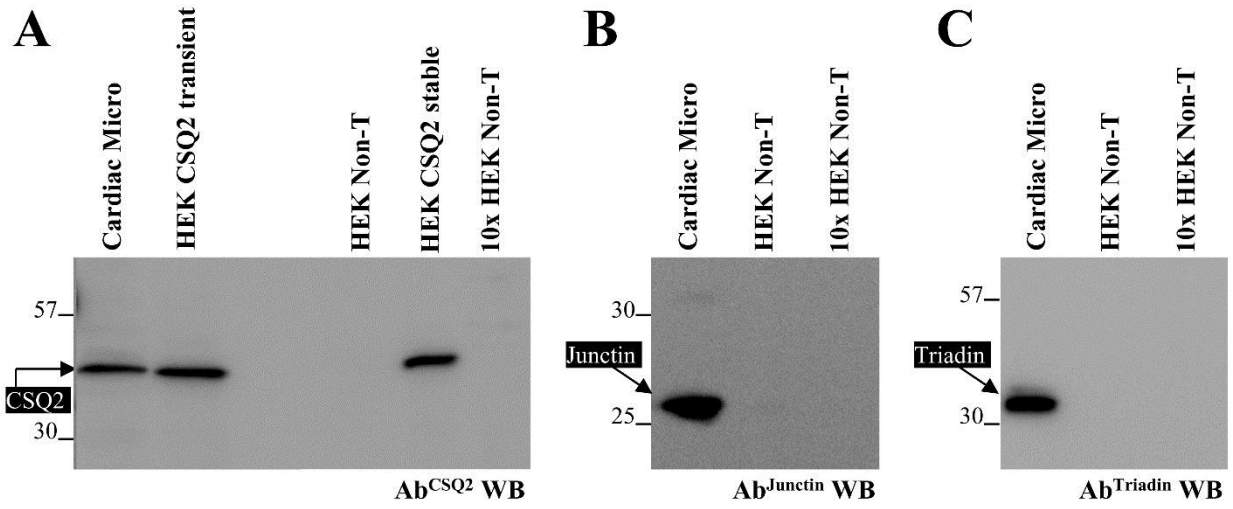

Fig.S1: **Assessment of CSQ2, junctin and triadin expression in HEK293 cells**

Western blot analysis ($n \geq 3$) assessing expression of CSQ2 **(A)**, junctin **(B)** and triadin **(C)** in HEK293 cells using rabbit polyclonal anti-calsequestrin (ab3516, Abcam), mouse polyclonal anti-junctin (ab72846, Abcam) and goat polyclonal anti-triadin (sc33393, Santa Cruz Biotechnology), respectively. Microsomes (100 μg) from mouse cardiac tissue were used as positive control; HEK293 samples were loaded at 50 μg, whereas untransfected (Non-T) cell homogenate was also included at 10-fold excess (500 μg). Lack of signal from the 10-fold excess sample from untransfected HEK293 cells suggests that these luminal accessory proteins are not expressed in this cell line.

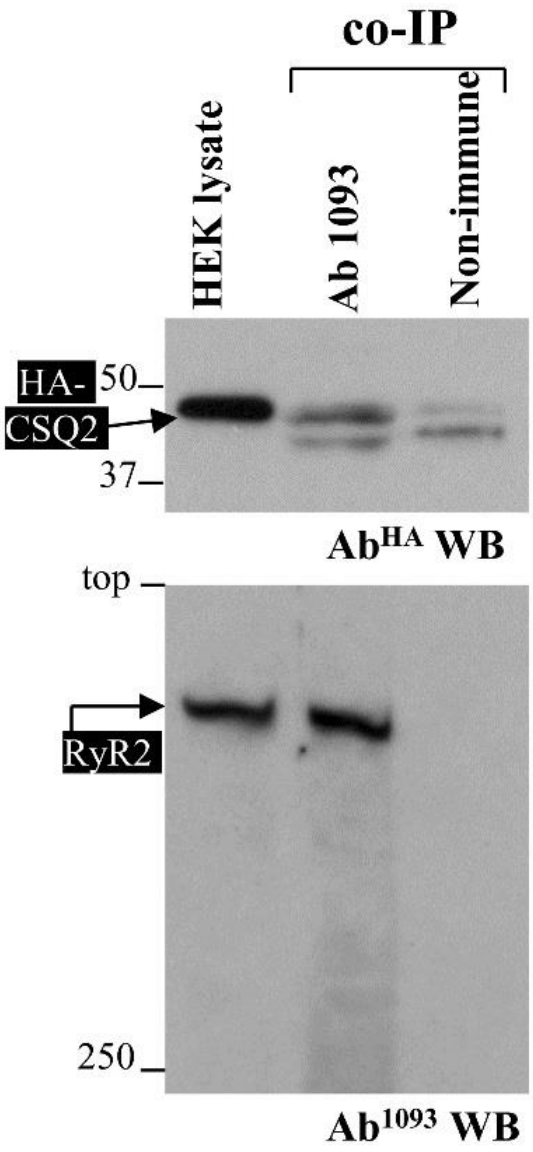

Fig.S2: **Recombinant RyR2 co-immunoprecipitates with CSQ2 in HEK293 cells**

Co-IP experiments (n = 3) of recombinant human RyR2 co-expressed with HA-CSQ2 in mammalian HEK293 cells. RyR2 was immunoprecipitated with Ab^{1093} from solubilised HEK293 lysates and the presence of associated HA-CSQ2 was analysed by SDS-PAGE (12% gel) and immunoblotting using Ab^{HA} (top). As negative control, co-IP assays were carried out with non-immune rabbit IgG. To detect isolated RyR2, $1/10^{th}$ of IP samples was analysed by SDS-PAGE (4% gel) and Western blotting using Ab^{1093} (bottom). An aliquot of HEK293 cell lysate corresponding to 2% (40µg) of the amount processed in the co-IP assay was also included in the gels.