

The Journal of Physiology Statistical Summary Document

Manuscript Title: Graft-Host Coupling Changes Can Lead to Engraftment Arrhythmia: A Computational Study

Authors: Chelsea E. Gibbs, Silvia Marchianó, Kelly Zhang, Xiulan Yang, Charles E. Murry, and Patrick M. Boyle

Animal model used, if applicable: N/A

Underlying hypothesis: This investigation tests the hypothesis that KCNJ2 expression levels are much lower than HCN4, CACNA1H, and SLC8A1 in human pluripotent stem cell derived cardiomyocytes (hPSC-CM WT).

Definitions of 'n':

Question 1: n = independent biological replicates

Statistical summary table:

Experimental question number*	Finding/conclusion	Experimental location/variable e.g. muscle, neocortex or genotype	Mean value (or other summary statistic)	SD	n val.	P**	Units	Data comparisons e.g. WT vs KO	Statistical test	Any other variable e.g. subjects' age or sex	Figure/table in which data are presented	Comments e.g. observation
1. What is the difference in expression between HCN4, KCNJ2, CACNA1H, SLC8A1	Yes	hPSC-CM WT (HCN4)	1689	641	3	0.0079	Fig 4	%HPRT	HCN4 vs KCNJ2	One-way ANOVA with Sidak correction		Anova Summary: F=24.9, R square =0.903
	Yes	hPSC-CM WT (KCNJ2)	9	9.54	3	0.0126	Fig 4	%HPRT	HCN4 vs CACNA1H			
	No	hPSC-CM WT (CACNA1H)	135	8.14	3	0.2221	Fig 4	%HPRT	HCN4 vs SLC8A1			

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	No	hPSC-CM WT (SLC8A1)	2536	563	3	0.9996	Fig 4	%HPRT	KCNJ2 vs CACNA1H			
	Yes					0.0005	Fig 4	%HPRT	KCNJ2 vs SLC8A1			
	Yes					0.0008	Fig 4	%HPRT	CACNA1H vs SLC8A1			