



Supplementary Materials

Table S1. Comparison of most important electrophysiological properties of human, canine and porcine ventricular cardiomyocytes.

Parameter	Human	Canine	Porcine
Transmural inhomogeneity of AP and I_{to}	Yes [1,2,3,8]	Yes [4,5,6,8,9]	No [7] Yes [26,27]
I_{to1}	Kv4.3 dominant [1,3,10,11,12]	Dominant [6,12,13]	Kv4.3 absent [7]
I_{to2}	Absent [11]	Present [13,14,15,16,17]	Present [7]
$I_{Na-late}$ profile	“decrecendo” [18]	“decrecendo” [18]	“crescendo” [19,20]
I_{Ca}	human = canine > porcine [21,22,23]		
I_{Ks}	human = canine = porcine [19,20,22,24]		
I_{Kr}	human = canine < porcine [19,20,22,24,25]		
I_{K1}	human < canine < porcine [19,20,22,24,25]		

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