

Current	Moderate Remodelling	Severe Remodelling	References
$I_{Na}$	0.90	0.80	[1]
$I_{CaL}$	0.47	0.31	[2, 3]
$I_{K1}$	1.80	2.57	[3]
$I_{KAch}$	0.54	0.38	[4]
$I_{to}$	1.64	2.34	[2, 3]
$I_{NaCa}$	1.8	2.57	[5]

**Table S4:** Multiplicative factors for ionic remodelling of each current in conditions of moderate (7-days of RAP) and severe (42-days of RAP) remodelling, accompanied by the relevant references.

## References

- [1] Gaspo, R., Bosch, R.F., Bou-Abboud, E., Nattel, S.: Tachycardia-Induced Changes in Na<sup>+</sup> Current in a Chronic Dog Model of Atrial Fibrillation. *Circ. Res.* **81**(6) (dec 1997) 1045–1052
- [2] Yue, L., Feng, J., Gaspo, R., Li, G.R., Wang, Z., Nattel, S.: Ionic Remodeling Underlying Action Potential Changes in a Canine Model of Atrial Fibrillation. *Circ. Res.* **81**(4) (oct 1997) 512–525
- [3] Cha, T.J., Ehrlich, J.R., Zhang, L., Chartier, D., Leung, T.K., Nattel, S.: Atrial tachycardia remodeling of pulmonary vein cardiomyocytes: comparison with left atrium and potential relation to arrhythmogenesis. *Circulation* **111**(6) (feb 2005) 728–35
- [4] Voigt, N., Maguy, A., Yeh, Y., Qi, X.Y., Ravens, U., Dobrev, D., Nattel, S.: Changes in I<sub>K</sub>, ACh single-channel activity with atrial tachycardia remodelling in canine atrial cardiomyocytes. *Cardiovasc. Res.* **77**(1) (jan 2008) 35–43
- [5] Cha, T.J., Ehrlich, J.R., Zhang, L., Nattel, S.: Atrial ionic remodeling induced by atrial tachycardia in the presence of congestive heart failure. *Circulation* **110**(12) (sep 2004) 1520–6