

Variable	RNC Model	RA, LA, BB-CT, PV	Units
k_{up}	9.2×10^{-4}	6.0×10^{-4}	μM
$i_{up,max}$	5.0×10^{-3}	3.5×10^{-3}	mM/ms
$ca_{up,max}$	15.0	27.0	mM
g_{rel}	30.0	8.0	kHz
τ_u	8.0	11.2	ms

Table S2: Ca^{2+} -handling variables in the proposed family of models and the RNC model. Only parameters whose values differ in the two models are listed.