

**Table S4.** Initial values for the differential variables at 1 Hz pacing steady-state

Parameter	Definition	Value
$V_m$	membrane voltage (mV)	-77,1494
$I_{Nam}$	$I_{Na}$ gating variables	0,00225
$I_{Nah1}$		0,92828
$I_{Nah2}$		0,92661
$I_{Cald}$	$I_{CaL}$ gating variables	7,89E-06
$I_{Calf1}$		0,9991
$I_{Calf2}$		0,9991
$I_{Calfca}$		0,97263
$I_{tr}$	$I_t$ gating variables	8,21E-04
$I_{ts}$		0,96044
$I_{susr}$	$I_{sus}$ gating variables	1,11E-04
$I_{suss}$		0,99516
$I_{Ksn}$	$I_{Ks}$ gating variable	0,00404
$I_{Krpa}$	$I_{Kr}$ gating variable	3,16E-05
$I_{fy}$	$I_f$ gating variable	0,06216
$RyR_{oss}$	values of RyR gating variables (open, closed, adaptation) in different compartments	5,14E-05
$RyR_{css}$		0,99994
$RyR_{ass}$		0,24361
$RyR_{oc1}$		1,01E-04
$RyR_{cc1}$		0,99932
$RyR_{ac1}$		0,19145
$RyR_{oc2}$		8,47E-05
$RyR_{cc2}$		0,99947
$RyR_{ac2}$		0,19984
$RyR_{oc3}$		6,47E-05
$RyR_{cc3}$		0,99955
$RyR_{ac3}$		0,21486
$[SERCaCa^{2+}]_1$	concentrations of $Ca^{2+}$ bound to SERCA in cytosolic	0,00458

$[SERCACa^{2+}]_2$	compartments (mM)	0,00446
$[SERCACa^{2+}]_3$		0,00428
$[SERCACa^{2+}]_{ss}$		0,00424
$[Na^+]_i$	cytosolic $Na^+$ concentration (mM)	9,43843
$[K^+]_i$	cytosolic $K^+$ concentration (mM)	134,366
$[Ca^{2+}]_{ss}$	$Ca^{2+}$ concentrations in cytosolic compartments (mM)	1,68E-04
$[Ca^{2+}]_{c1}$		1,36E-04
$[Ca^{2+}]_{c2}$		1,40E-04
$[Ca^{2+}]_{c3}$		1,47E-04
$[Ca^{2+}]_{c4}$		1,61E-04
$[Ca^{2+}]_{SR1}$	$Ca^{2+}$ concentrations in SR compartments (mM)	0,61372
$[Ca^{2+}]_{SR2}$		0,60256
$[Ca^{2+}]_{SR3}$		0,58564
$[Ca^{2+}]_{SR4}$		0,56883