

Supplementary Table 1

	n	Membrane resistance (M Ω)	Membrane capacitance (pF)	Resting membrane potential (mV)	AP threshold (mV)	AP peak amplitude (mV)	AP antipeak amplitude (mV)	AP half-width (ms)
Naïve Arc-dVenus⁺	15	290.5 \pm 61.7	53.1 \pm 5.8	-59.5 \pm 0.9	-35.2 \pm 1.4	71.0 \pm 3.1	-21.4 \pm 1.4	1.29 \pm 0.02
Naïve Arc-dVenus⁻	16	225.1 \pm 18.8	54.4 \pm 5.0	-63.3 \pm 2.0	-35.8 \pm 1.1	75.1 \pm 3.0	-19.6 \pm 1.3	1.32 \pm 0.03
Unpaired Arc-dVenus⁺	16	216.0 \pm 15.4	55.0 \pm 3.6	-63.9 \pm 1.5	-31.4 \pm 1.3	64.5 \pm 3.0	-21.9 \pm 1.1	1.33 \pm 0.03
Unpaired Arc-dVenus⁻	17	232.1 \pm 17.4	61.0 \pm 6.1	-64.1 \pm 1.2	-30.5 \pm 1.3	66.7 \pm 2.6	-22.0 \pm 1.1	1.32 \pm 0.02
Paired Arc-dVenus⁺	16	190.7 \pm 7.2	61.6 \pm 5.4	-65.4 \pm 1.2	-30.2 \pm 1.4	66.0 \pm 2.7	-24.8 \pm 1.0	1.21 \pm 0.03
Paired Arc-dVenus⁻	18	213.5 \pm 12.5	55.1 \pm 2.6	-62.4 \pm 1.2	-30.5 \pm 1.6	70.1 \pm 1.7	-22.5 \pm 1.2	1.25 \pm 0.03