

	- DTT			
	Control		MetS	
	BASAL	10 mM Ca <sup>2+</sup>	BASAL	10 mM Ca <sup>2+</sup>
Frequency (#sparks/100 $\mu$ m/s)	1.86 $\pm$ 0.35 (49)	5.49 $\pm$ 1.06* (25)	0.52 $\pm$ 0.12& (60)	2.21 $\pm$ 0.80*& (21)
Amplitude ( $\Delta$ F/F <sub>0</sub> )	0.76 $\pm$ 0.04 (119)	0.53 $\pm$ 0.02* (107)	0.57 $\pm$ 0.06& (22)	0.44 $\pm$ 0.02*& (34)
FDHD (ms)	19.86 $\pm$ 0.70 (119)	16.61 $\pm$ 0.72* (107)	20.07 $\pm$ 1.84 (22)	14.51 $\pm$ 1.21* (34)
FWHD ( $\mu$ m)	2.29 $\pm$ 0.05 (119)	2.12 $\pm$ 0.05* (107)	2.47 $\pm$ 0.14 (22)	2.07 $\pm$ 0.11* (34)
Ca <sup>2+</sup> waves incidence (#waves/s)	0.019 $\pm$ 0.007 (24)	0.172 $\pm$ 0.022* (25)	0.030 $\pm$ 0.013 (20)	0.105 $\pm$ 0.016* (22)
SR Ca <sup>2+</sup> load ( $\Delta$ F/F <sub>0</sub> )	4.05 $\pm$ 0.27 (37)	2.38 $\pm$ 0.18* (22)	4.16 $\pm$ 0.27 (37)	2.40 $\pm$ 0.26* (21)

**Table S3. Effects of Ca<sup>2+</sup> overload on Ca<sup>2+</sup> sparks, Ca<sup>2+</sup> waves and SR Ca<sup>2+</sup> load in Control and MetS myocytes.** FDHD, full-duration half-maximum. FWHD, full-width half-maximum. Data represent the mean  $\pm$  SEM. \*P<0.001 Basal vs 10 mM Ca<sup>2+</sup>, and &P<0.05 CT vs SM, two-way ANOVA followed by Student Newman–Keuls *post hoc test*.