

**Optical Recording Reveals Novel Properties of GSK1016790A-Induced TRPV4
Channel Activity in Primary Human Endothelial Cells**

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Supplementary Table 1

Ca²⁺ Microdomains	WC Frequency (Hz)	Duration (s)
Sparks	0.24	0.03
Sparklets	N/A	0.03, 0.08
Pulsars	0.10 ± 0.02	0.26
Events in ECs	0.11 ± 0.02	2.67 ± 0.13

Supplementary Table 1: Novel Transient Ca²⁺ Events in Endothelial Cells. Ca²⁺ events observed in primary endothelial cells using TIRFM have a much longer duration compared to previously described calcium microdomains; this suggests that the events recorded using TIRFM are novel.