

Control



DWORF



PLN



10 μ m

5 s

Figure 4 – Figure Supplement 1: Examples of the experimental protocol used to measure SERCA-mediated endoplasmic reticulum (ER) Ca^{2+} uptake. Representative line-scan images of R-CEPIA1er during an initial 45 second recording are shown. Line-scan images of R-CEPIA1er were calibrated with ionomycin (see Materials & Methods) to generate profiles of changes in ER Ca^{2+} concentration ($[\text{Ca}^{2+}]_{\text{ER}}$) as shown in Figure 4A. Experimental details can be found in Bovo et al., Am J Physiol Heart Circ Physiol (2019) 316:H1323-H1331.