



Supplementary Fig 1: Transverse tubules are visible during a linescan along the long axis of the fibre (images not filtered). A, $F_3/F_{3,0}$ B, F_1 and C, F_2 . Note that the striated pattern of the t-system is apparent. F_1 is the virtually isosbestic point and therefore the signal changes little and F_2 signal decreases with increasing Ca^{2+} (Launikonis et al., 2005). In this example there was an outward flux to the t-system.