biosensors

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Supporting Information

Cell-Based Sensors for the Detection of EGF and EGF-Stimulated Ca^{2+} Signaling

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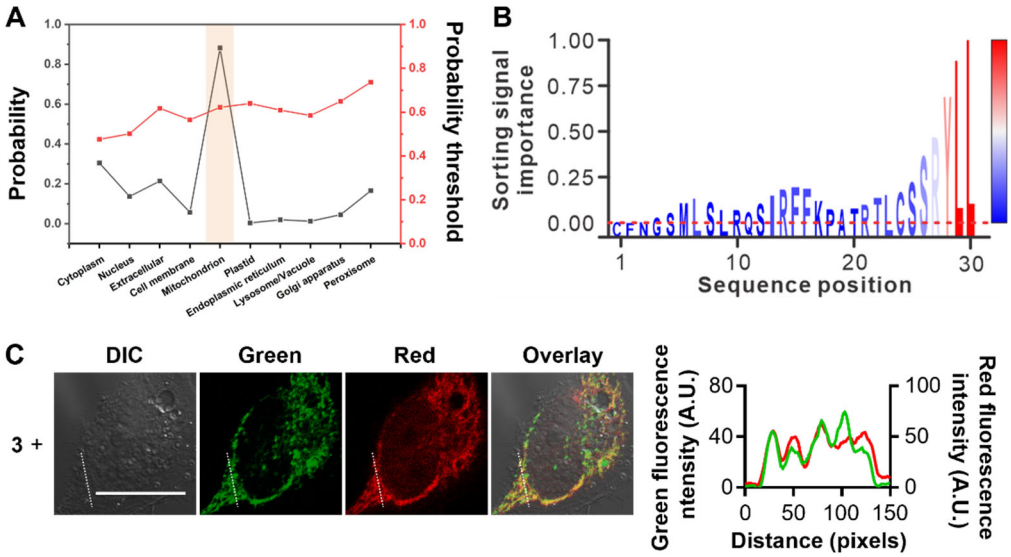

Figure S1. Tests of designed modified mitochondrial targeting sequence (rMTS) for the sensor cells based on predict programs. (**A**) The predicted rMTS location is mitochondria. Probability is compared against probability threshold and only mitochondrial probability is above the probability threshold. (**B**) Sequence LOGOs shows the amino acid sequence of high importance associated with the mitochondrial transit signal among the rMTS sequences. (**C**) The delivery of an AFP into the mitochondria by rMTS was confirmed by monitoring the cellular localization of the fusion protein **3** (scale bar = 20 μm).