Supplementary Material

Early Breast Cancer Detection and Differentiation Tool Based on Tissue Impedance Characteristics and Machine Learning

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# Supplementary Figures A graph of a function Description automatically generated

**Supplementary Figure 1.** The correlation matrix of the feature.

A screenshot of a graph

Description automatically generated

**Supplementary Figure 2.** The confusion matrix of the feature

A screenshot of a computer

Description automatically generated

**Supplementary Figure 2.** The confusion matrix of the features I0 and DR. I0 and DR impedance features carry the most relevant EIS characterization that can separate every single tissue of the breast and hence detect the cancerous ones.