



Fig. S6: Similarity diagrams comparing M1, M2 and ANN performance on modeled vs. experimental impedance spectra

Similarity diagrams of data were derived for modeled and measured spectra (HT, IPEC, HT+EGTA, IPEC+EGTA, targeting either R^{epi} or R^{sub} as indicated) as illustrated in Fig. 2 of the main text. Data scatter along the red axis indicates a greater dissimilarity of values obtained with the appropriate ANN when method M1 and M2 yield very similar results.

In all cases, distribution of data points from modeled spectra with τ -ratios < 5 (\blacklozenge) is similar to the distribution of data points from measured spectra (\bullet) obtained in the absence of forskolin or nystatin. Conversely, distribution of data points from modeled spectra with τ -ratios > 5 (\blacktriangle) is similar to the distribution of data points from experimental spectra (\blacklozenge) obtained in the presence of forskolin or nystatin.