

Figure 1 displays a 23x23 matrix of 2D heatmaps, where each heatmap represents the binomial p-value for a specific combination of  $n$  and  $k$ . The diagonal elements, representing  $k=n$ , all show a p-value of 100.0. The off-diagonal elements show p-values ranging from 0.0001 to 0.01, with the color scale indicated by the color bar on the left. The color bar ranges from 0.0001 (yellow) to 0.01 (purple). The matrix is symmetric, with the p-value for  $(n, k)$  being the same as for  $(k, n)$ .

Heatmap of the correlation matrix for the 10 variables. The diagonal is black (1.0 correlation). The color scale ranges from 0.0001 (yellow) to 0.01 (dark purple). The matrix shows a block-like structure with high correlations within groups.

# Stimulus Class A