

Figure legends for online only color figures:

Figure 1 (Color; online only): PCA results using correlation coefficient matrix. The first two principal components are used as the horizontal and vertical axis, respectively (the cumulative proportion is 70 %). Colors indicate relative intensity of experimental values (red > 3.2 , yellow > 2.4 , green > 1.6 , pale blue > 0.8 , gray < 0.8). From the top the time is, respectively, 15 min., 30 min., 1 hr, 2 hr, 4 hr, 6 hr, 8 hr, 12 hr, 16 hr, 20 hr, 24 hr.

Figure 4 (Color; online only): (a) Temporal patterns of gene expression levels visualized with the aid of nMDS. Colors indicate relative intensity of experimental values normalized so that $\sum_t s_{gt} = 0$ and $\sum_t s_{gt}^2 = 1$ where s_{gt} is experimental variable of g th genes at time t . (red > 1.6 , yellow > 1.2 , green > 0.8 , pale blue > 0.4 , gray < 0.4). Time sequences are the same as explained at Fig. 1. (b) Gene expression data as a function of the angle measured from the vertical axis in (a). The horizontal axis corresponds to t . The color convention is the same as in (a). The figures are arranged in two columns, but this is solely for the layout purpose; there is no distinction between two columns.

Figure 5 (Color: online only): 3D unfolding of the temporal pattern of gene expression level with the aid of nMDS (3D). The color convention is the same as explained in Figure 3. The horizontal (resp., vertical) axis represents ϕ (resp., θ). See the text for detail. The figures are arranged in two columns, but this is solely for the layout purpose; there is no distinction between two columns.

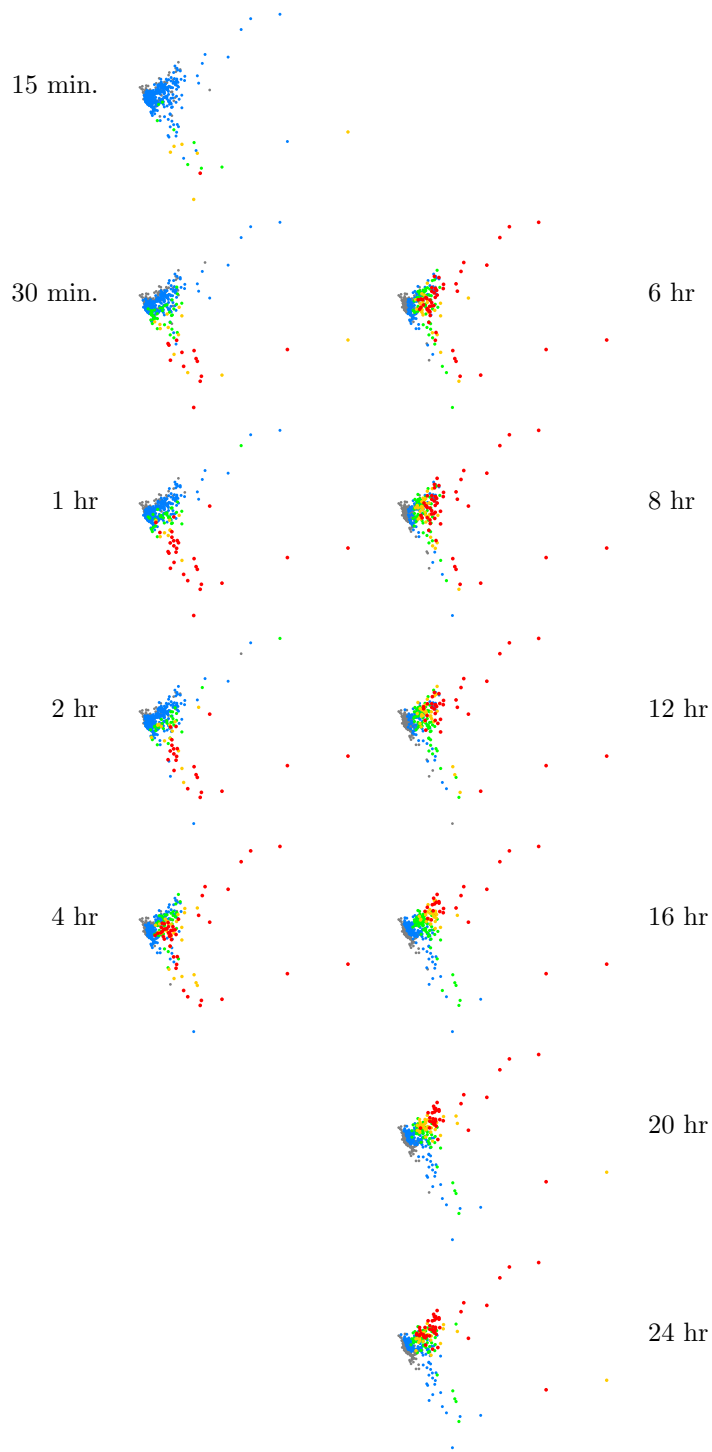


Figure 1 (Color) Taguchi & Oono

Figure 4 (Color) Taguchi & Oono

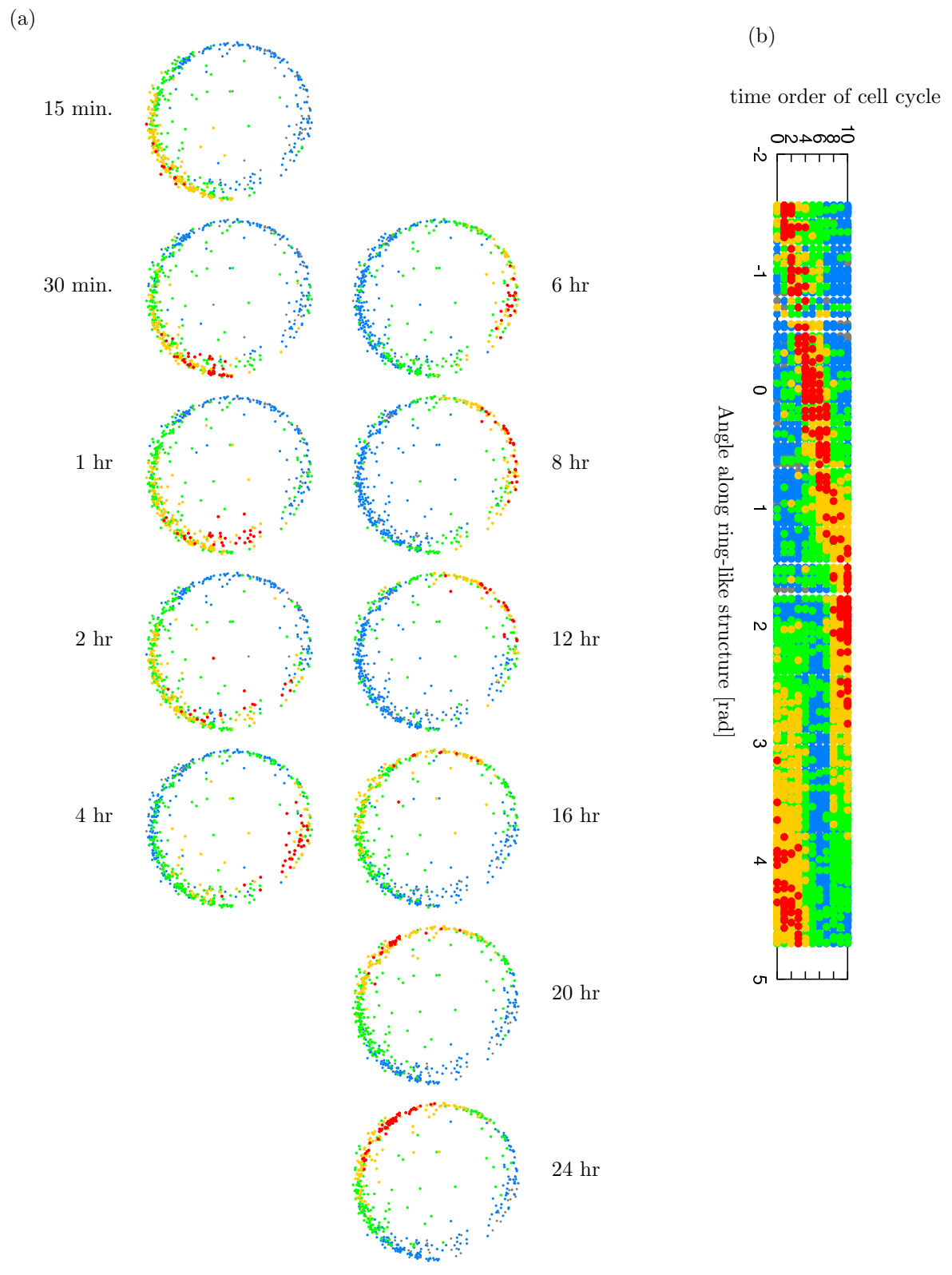


Figure 5 (Color) Taguchi & Oono

