Appendix V: Additional measurements defining cell cycle synchrony in timecourse experiments and additional clustering

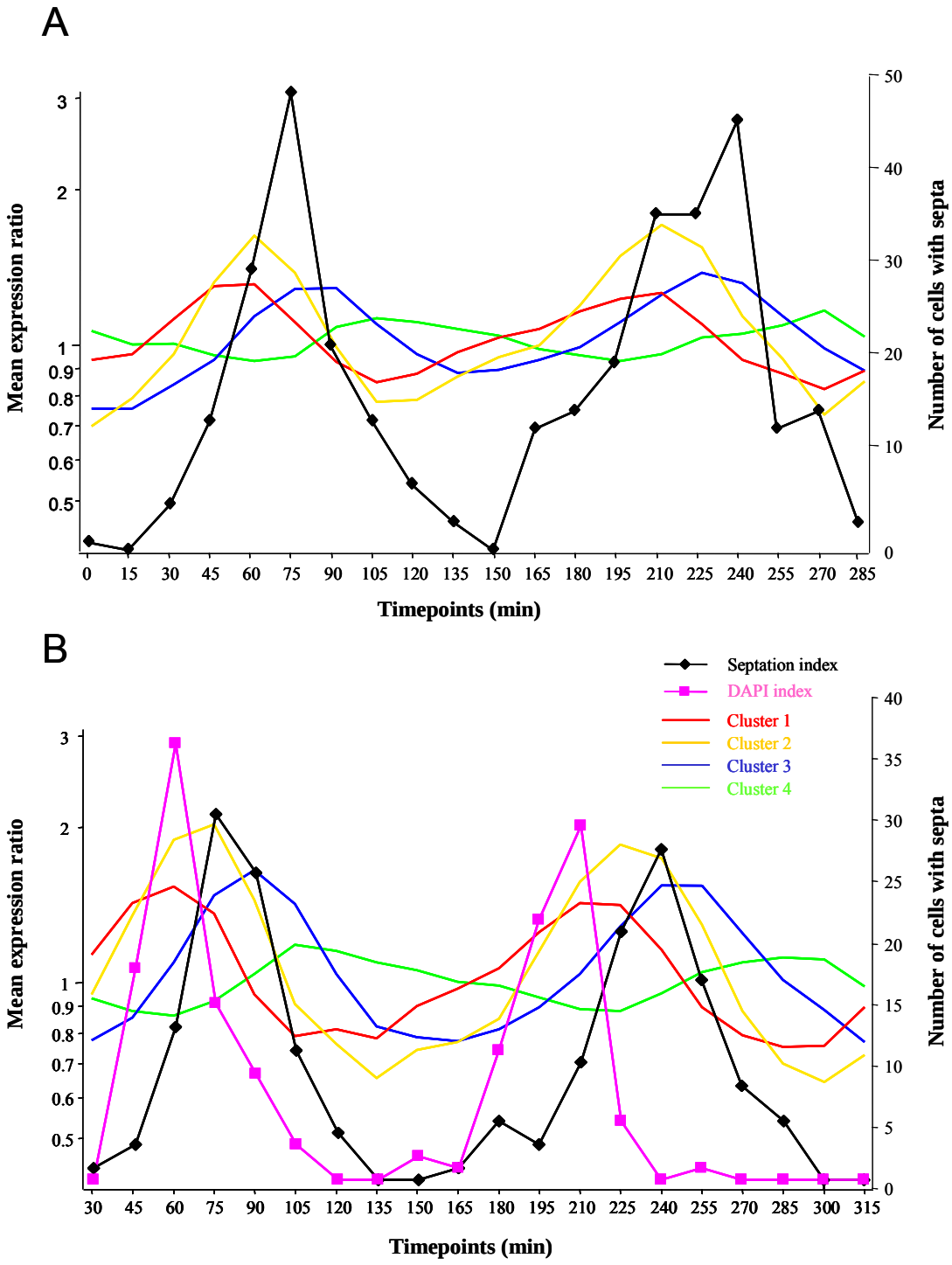

Fig. V.1 Additional measurements for elutriation experiments.

Panel A and B refer to two independent biological experiments, elutriations 1809 and 1012 respectively. For each graph, septation index and average expression profiles for the four clusters are shown. In panel b the DAPI index is also shown

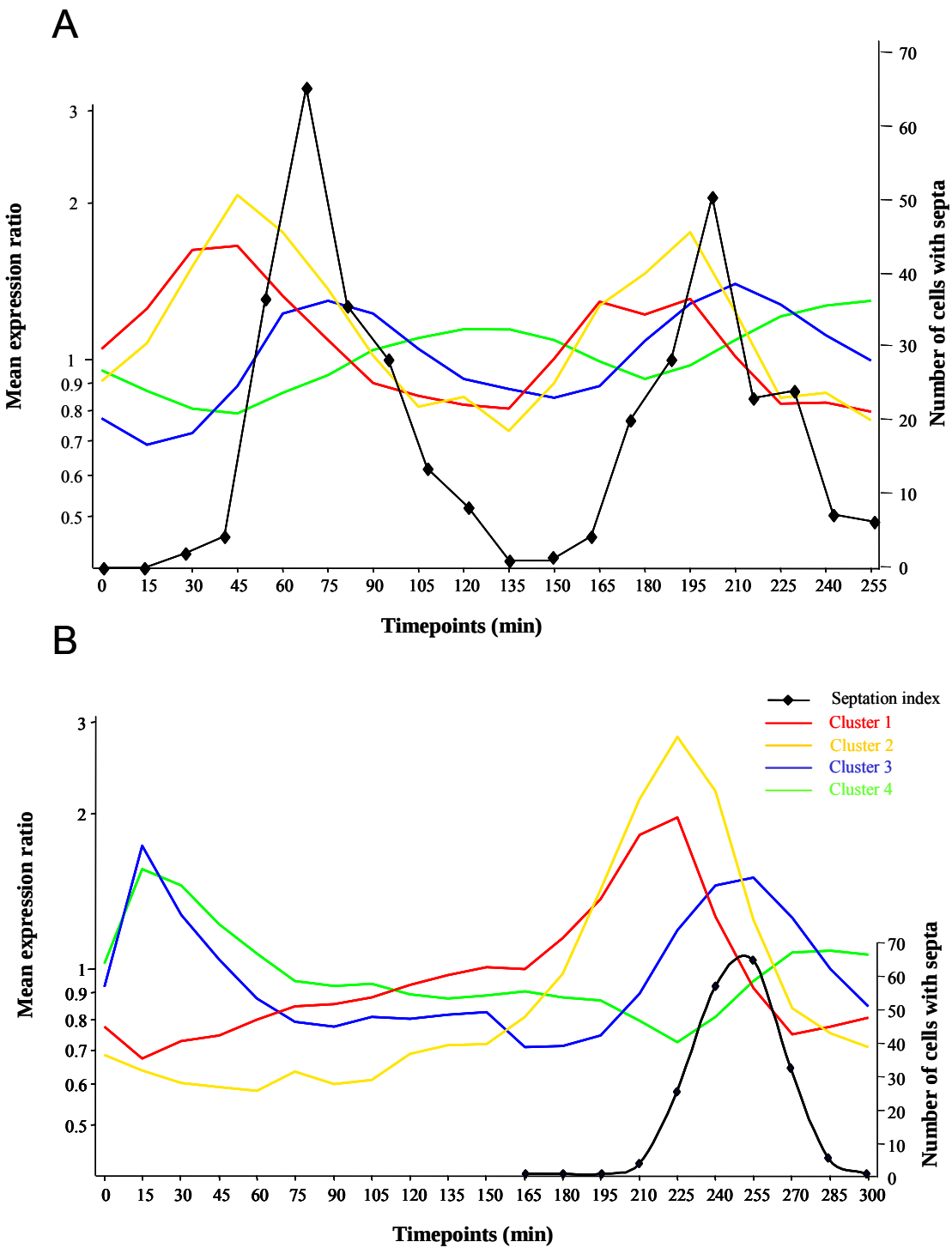

Fig. V.2 Additional measurements for *cdc25* experiments.

Panel A refers to a *cdc25* 'block and release' experiment (1601), panel B refers to a *cdc25* elutriation + 'block and release' (1402). For each graph, septation index and average expression profiles for the four clusters are shown.

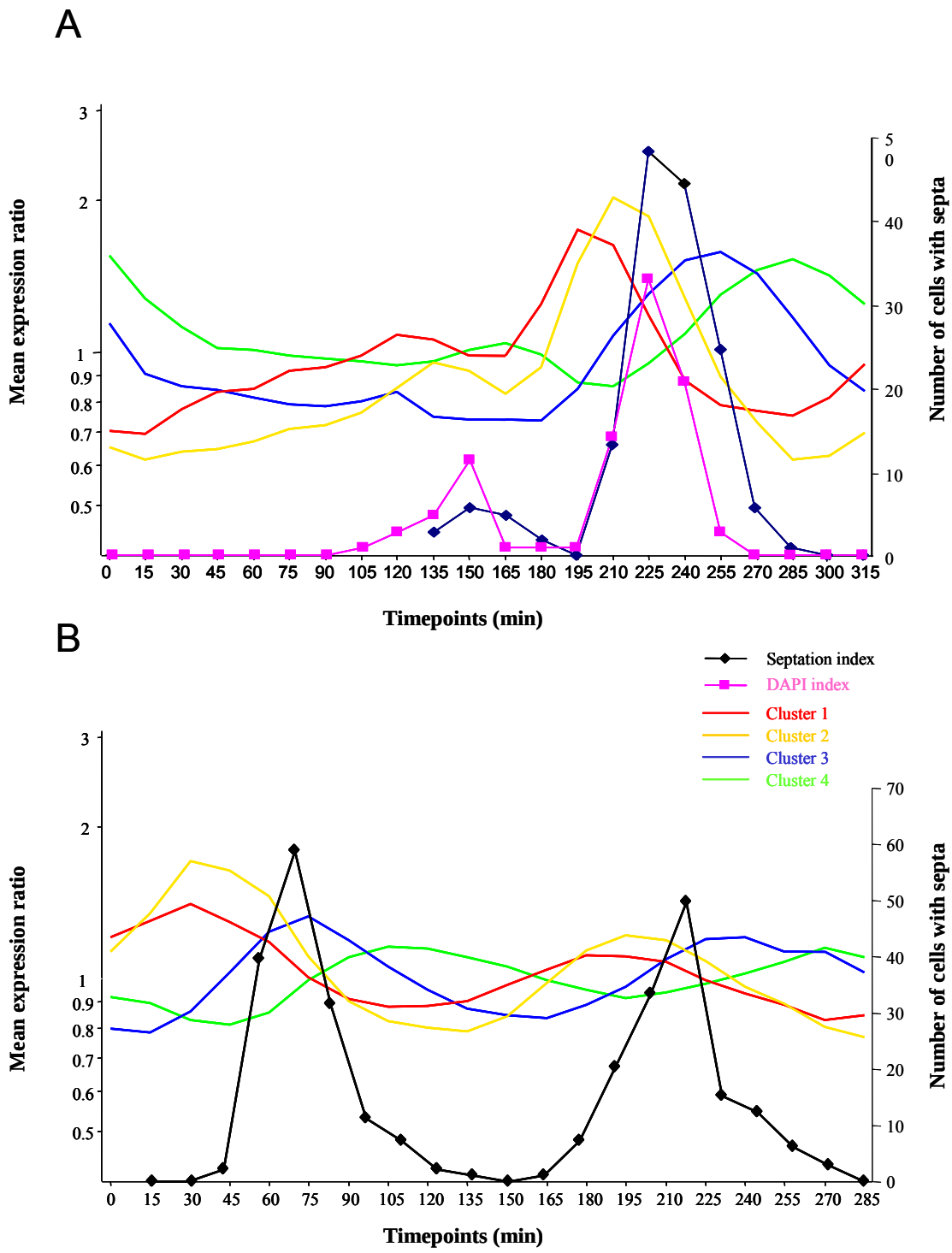

Fig. V.3 Additional measurements for *cdc25* and *cdc10* experiments.

Panel A refers to a *sep1Δ cdc25* 'block and release' experiment (2009), panel B refers to a *cdc10* elutriation + 'block and release' (509). For each graph, septation index and average expression profiles for the four clusters are shown.

Wild type elutriation

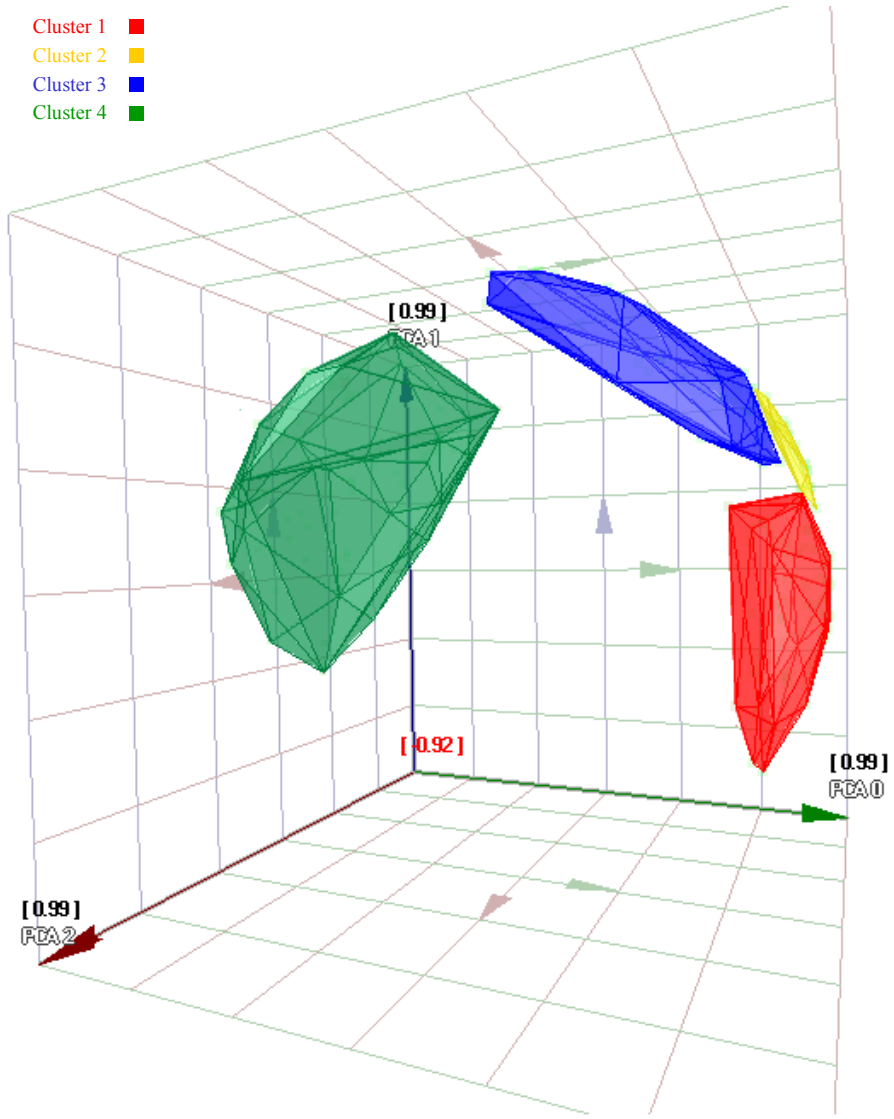

Fig. V.4 3-dimensional representation of the four clusters of cell cycle regulated genes for an elutriation experiment.

Each coloured area represents a cluster of genes. Classification is shown for one elutriation experiment (2201). This graph was obtained using Principal Component Analysis (PCA) in Arrayminer.

cdc25 'block and release'

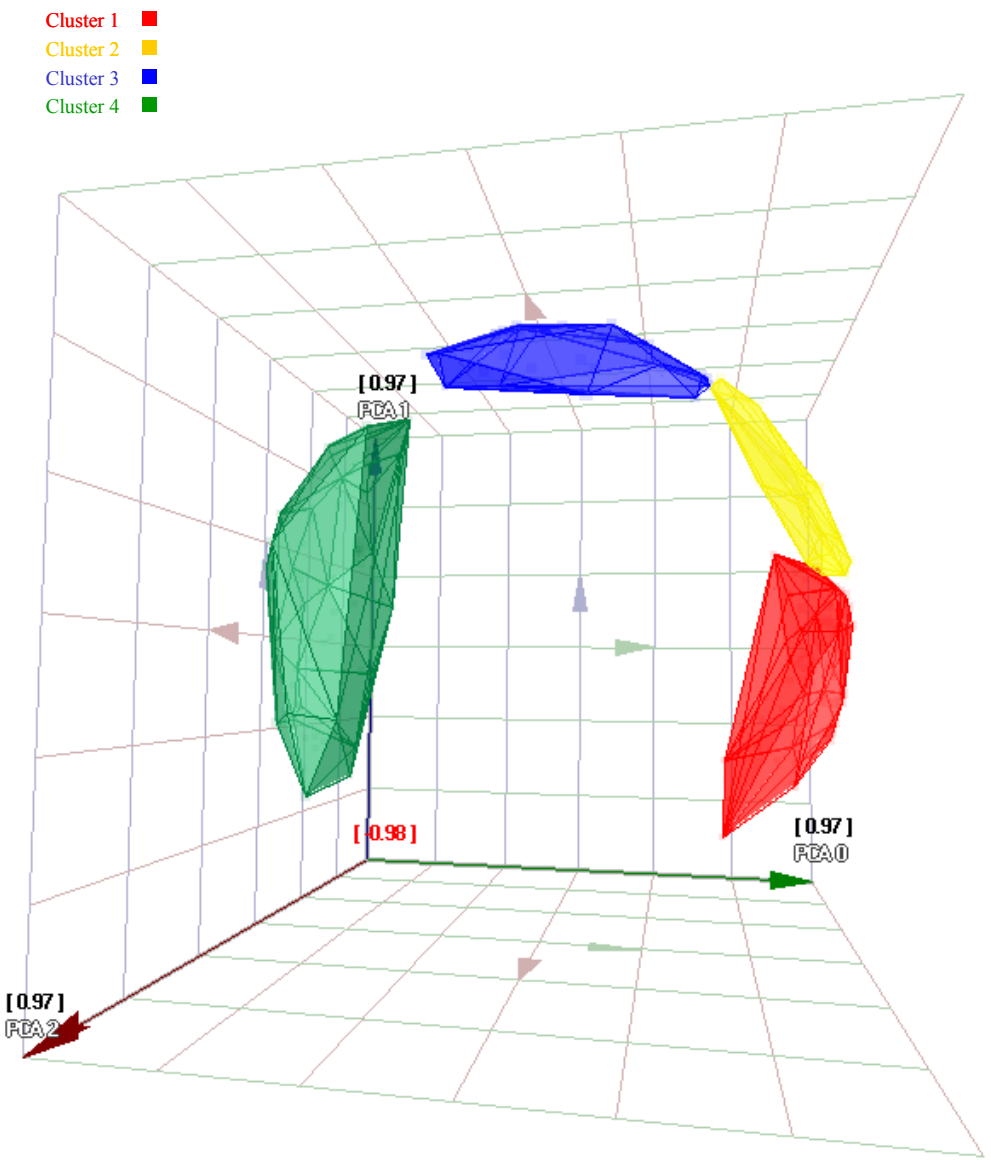

Fig. V.5 3-dimensional representation of the four clusters of cell cycle regulated genes for a *cdc25* 'block and release' experiment.

Each coloured area represents a cluster of genes. Classification is shown for one *cdc25* 'block and release' experiment (2001). This graph was obtained using Principal Component Analysis (PCA) in Arrayminer.