Supplementary data for: fast nonparametric clustering of structured time-series

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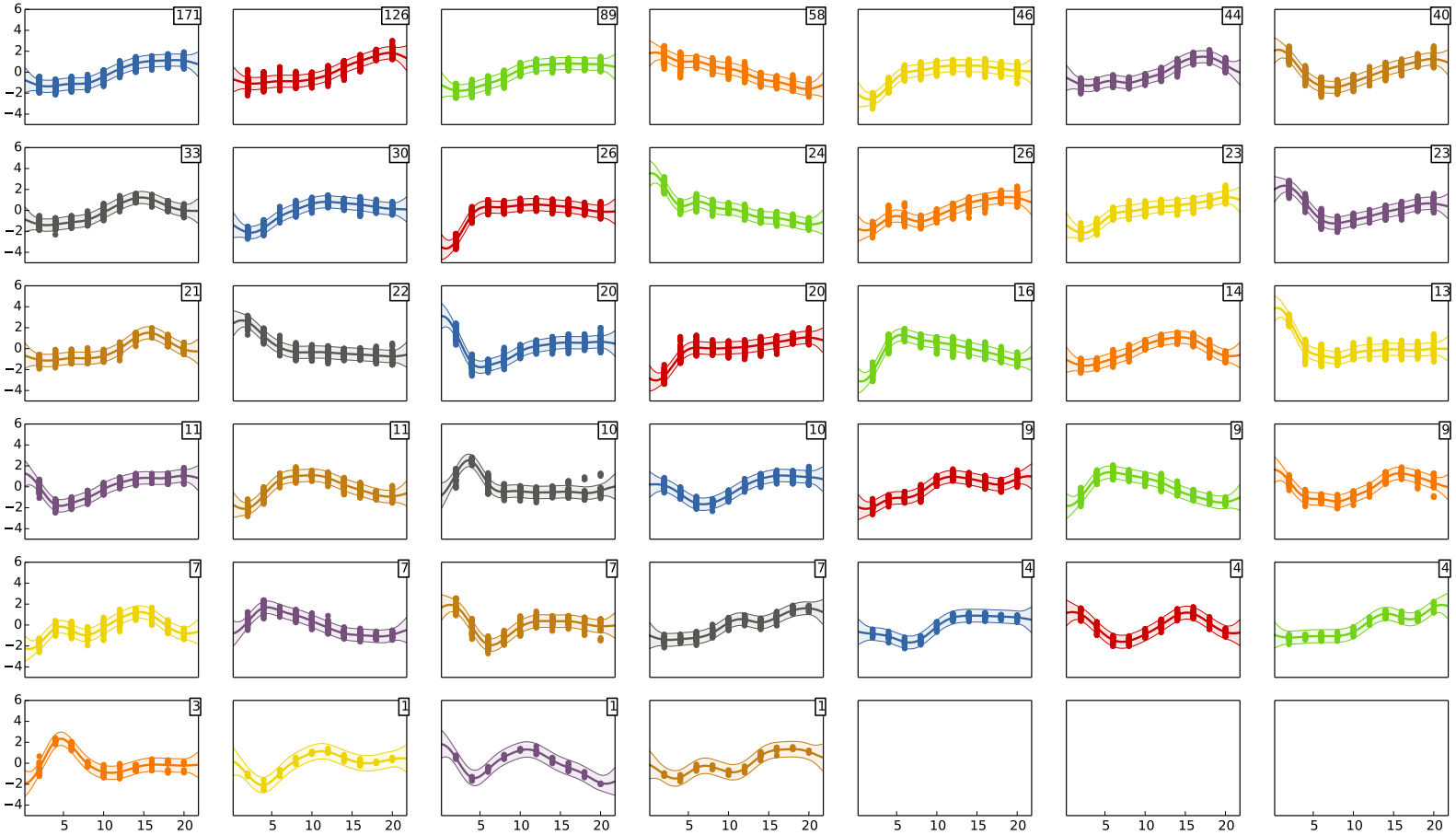

Figure 1: Clusters discovered in the *Drosophila* data, using the structured time-series model. Hierarchical structure within the clusters is not shown (see manuscript for example of Hierarchical structure). Each plot shows the 95% confidence interval of the Gaussian process posterior (shaded area), and the data assigned to that cluster (with high probability under the posterior) as solid points. Boxed numbers to the right of each plot show the number of genes assigned to that cluster.

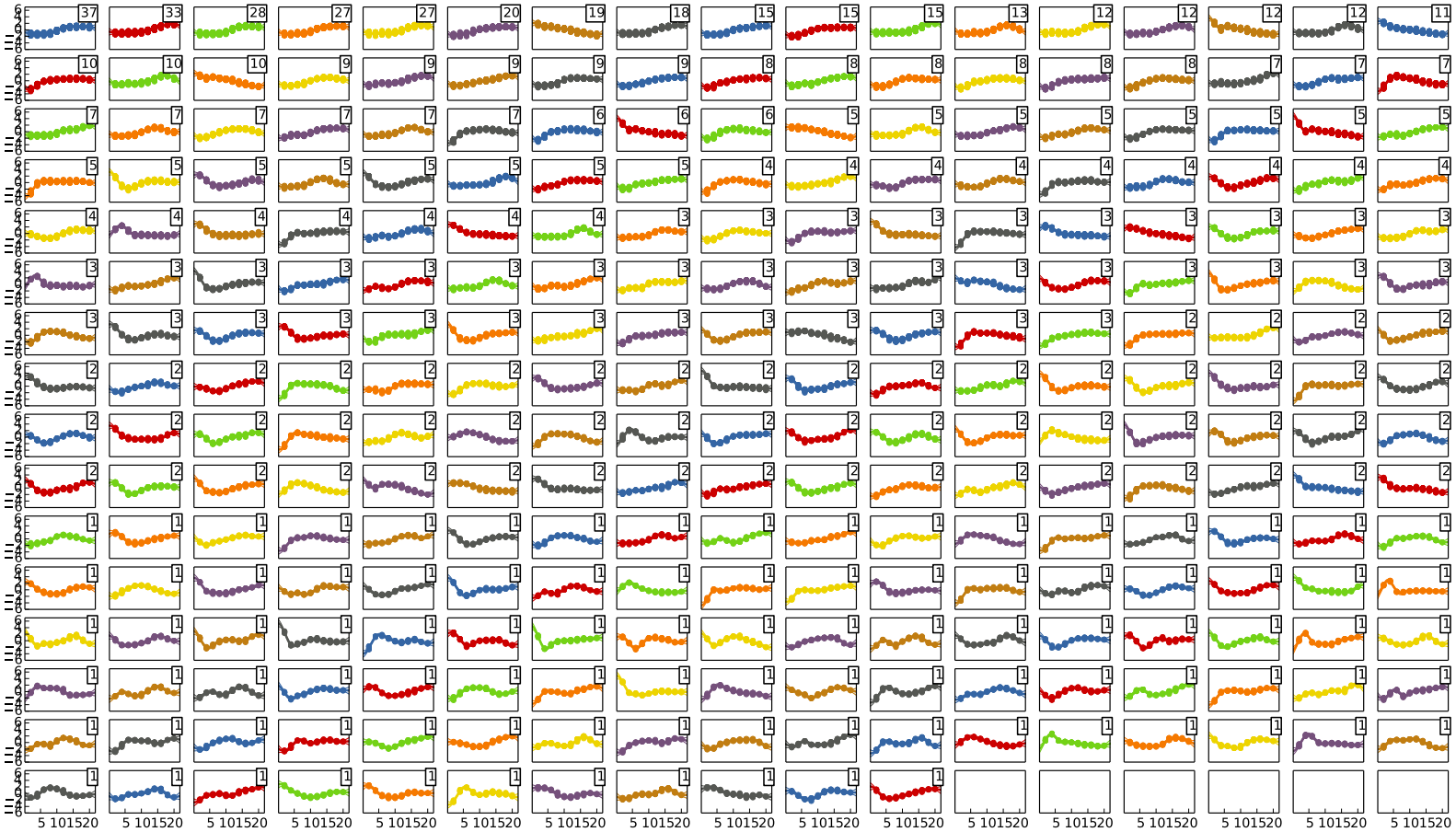

Figure 2: Clusters discovered in the *Drosophila* data, without the structured time-series model: all deviation from the cluster is treated as i.i.d., as Dunson. The model required many more clusters to explain the variation in the data, and this is reflected by a much lower (variational bound on the) marginal likelihood, see manuscript for details