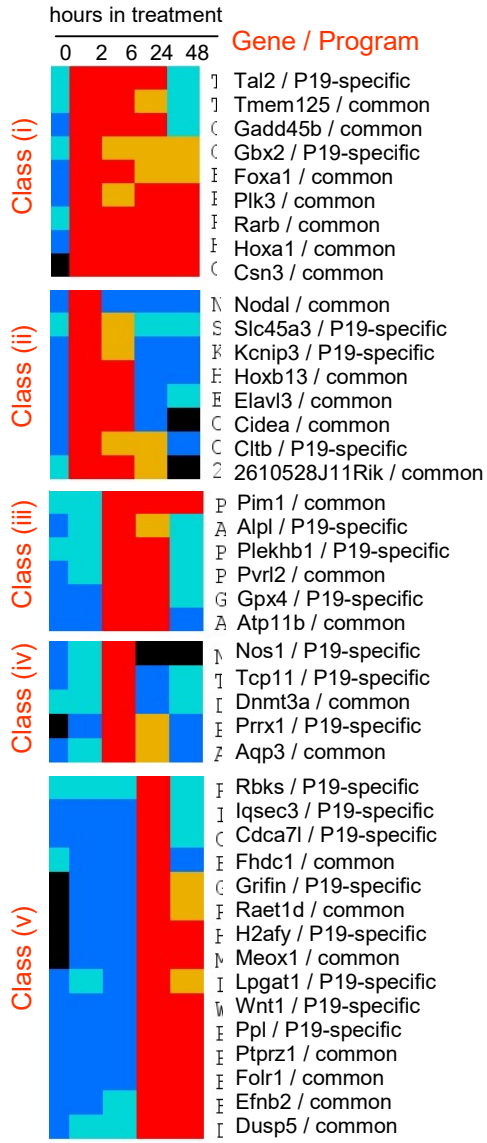

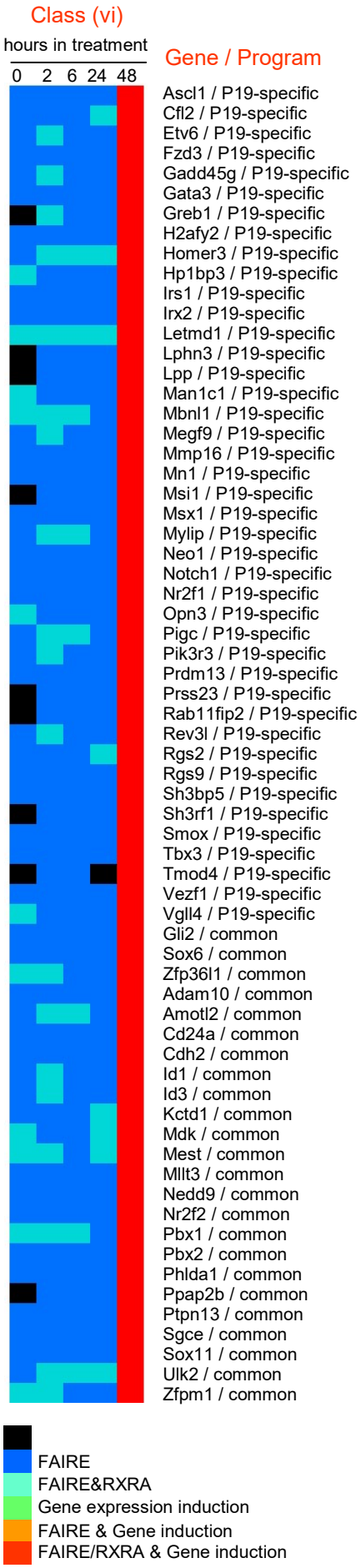

Supplemental Figure S10: Temporal classification of RA-induced direct targets in P19 cells. A Self Organization Three Algorithm (SOTA) was used to classify RA-induced genes into the six classes [depicted as (i) to (vi)] based on their spatiotemporal characteristics (**Figure 3C**). These classes are (i) early induced genes with a sustained expression, (ii) early transiently induced genes, (iii) intermediate-early induced genes with a sustained expression up to 24 hours or (iv) a highly transient response, (v) intermediate-late and (vi) late-responding genes. For each of the classes, the proximal FAIRE & RXRA co-occurrence, as well as their correlation with gene induction is illustrated (heatmap). Furthermore, genes are labeled as “P19-specific” or “common” to make reference to the program to which they belong.