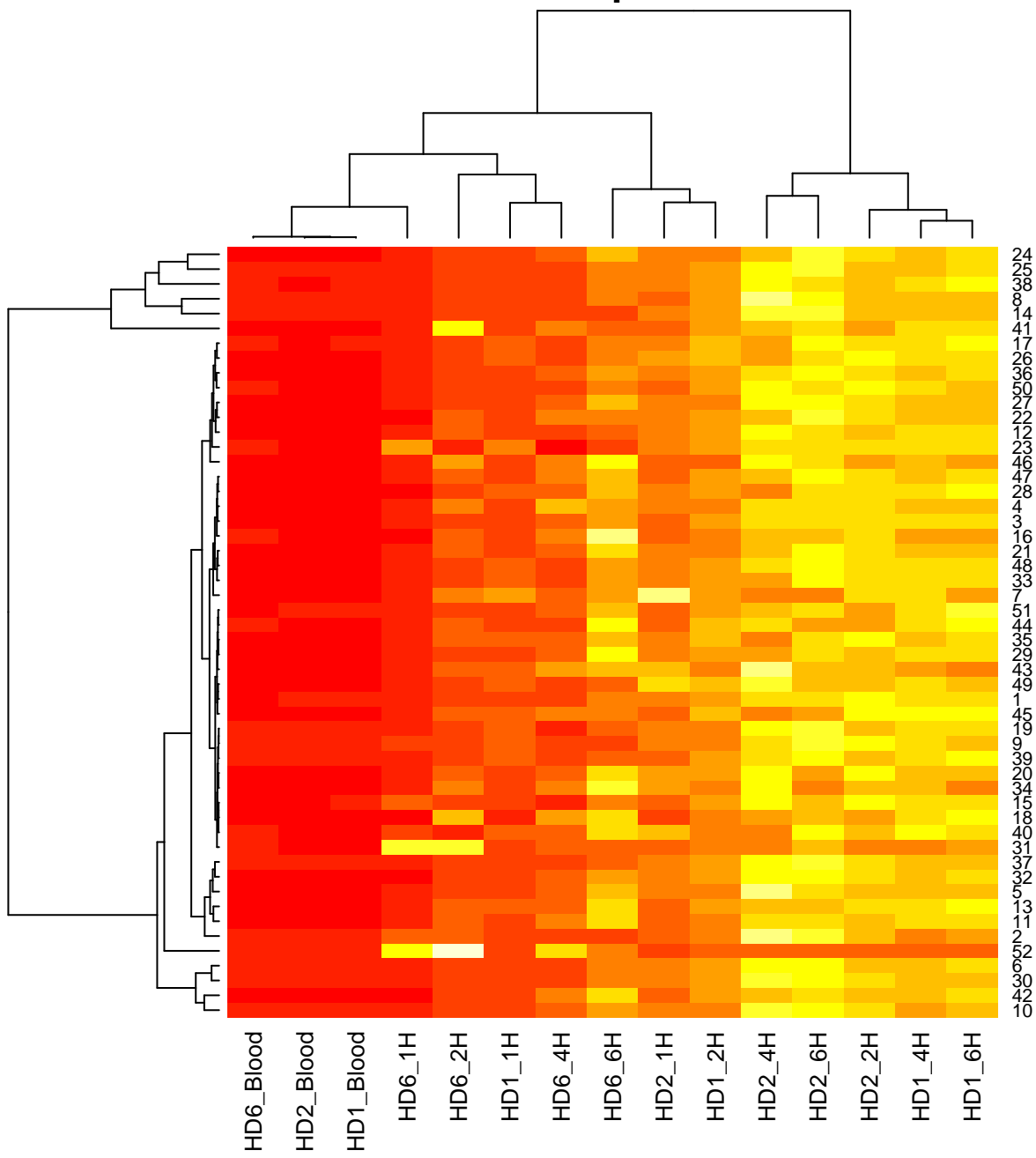
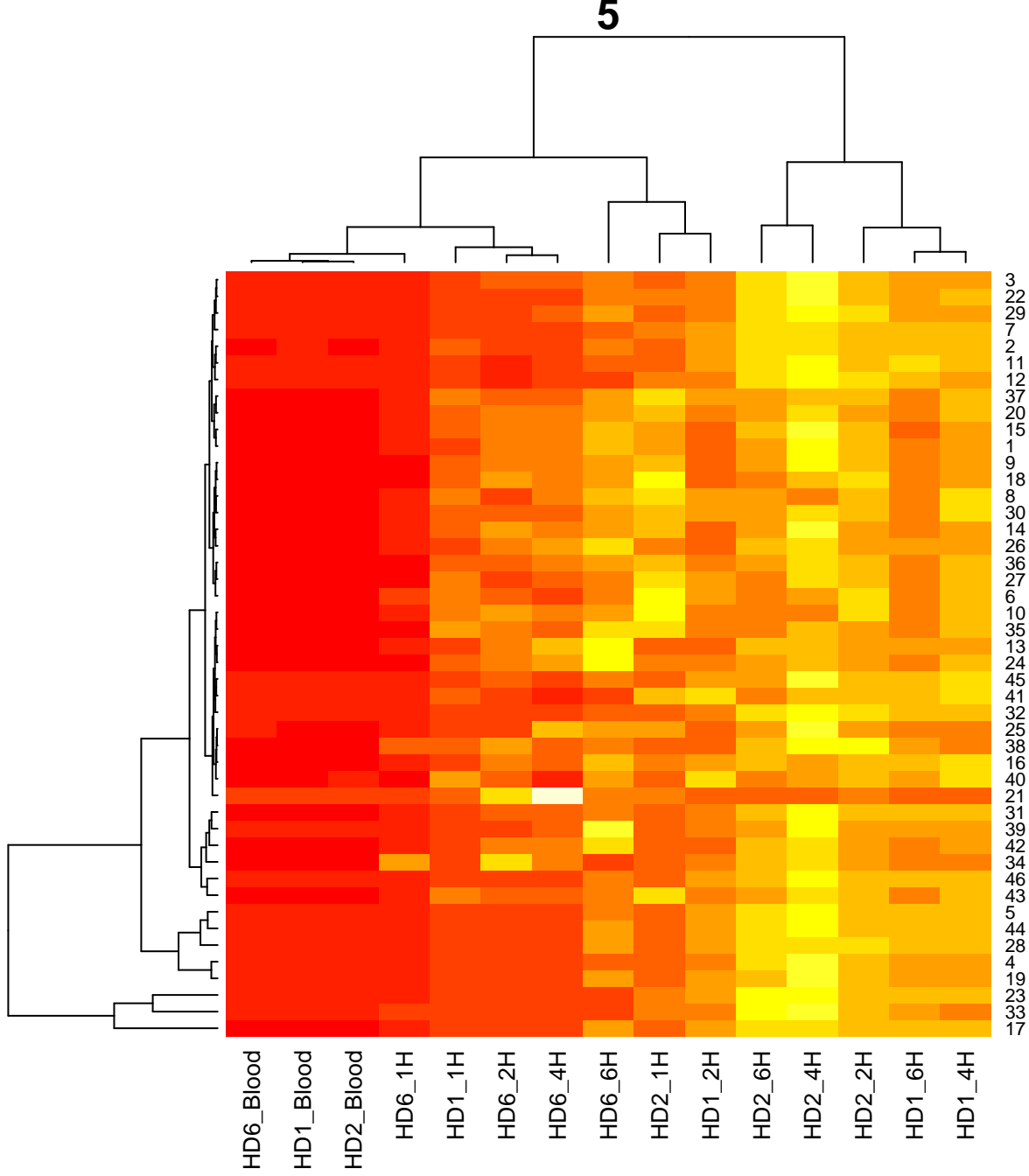
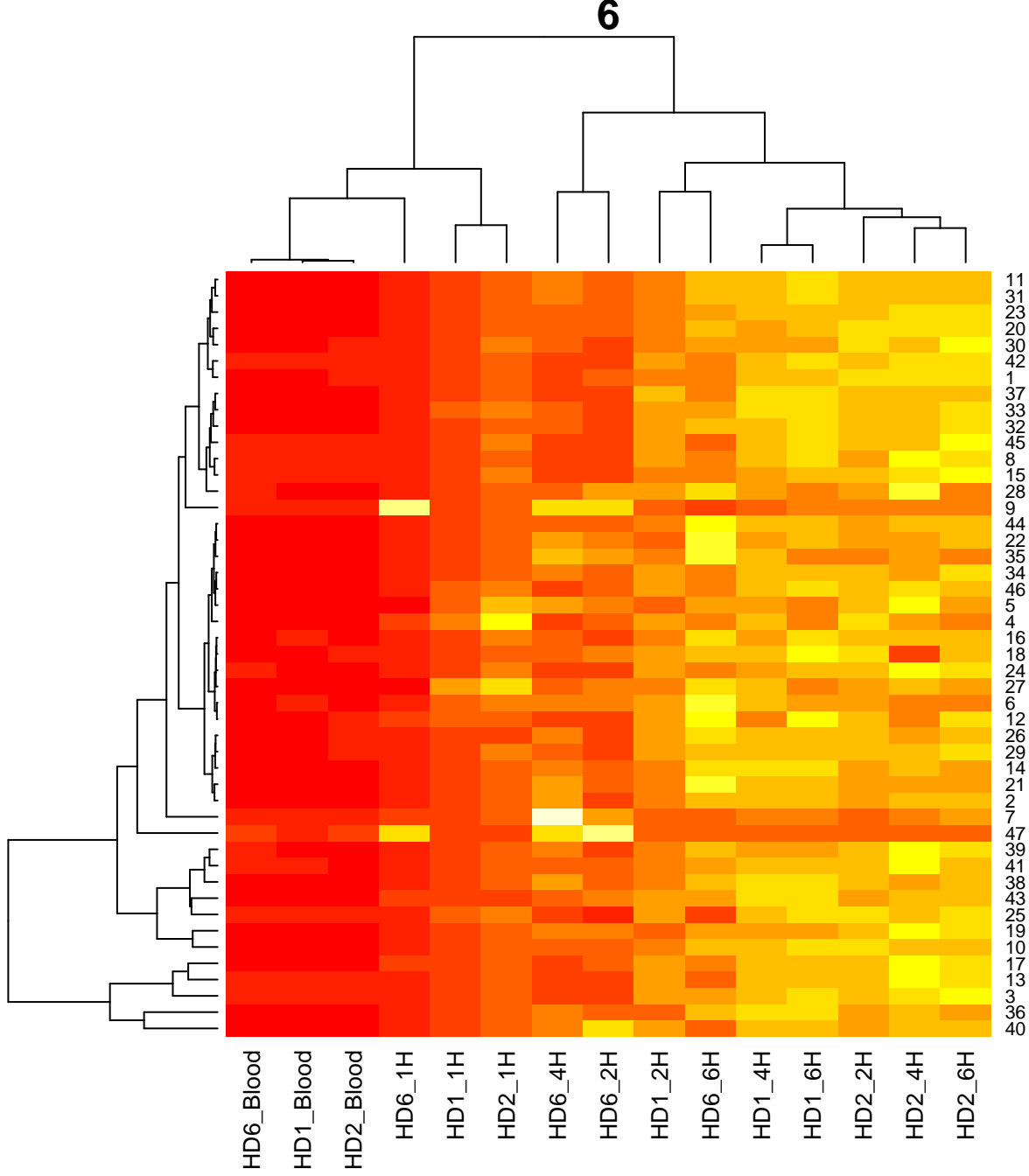


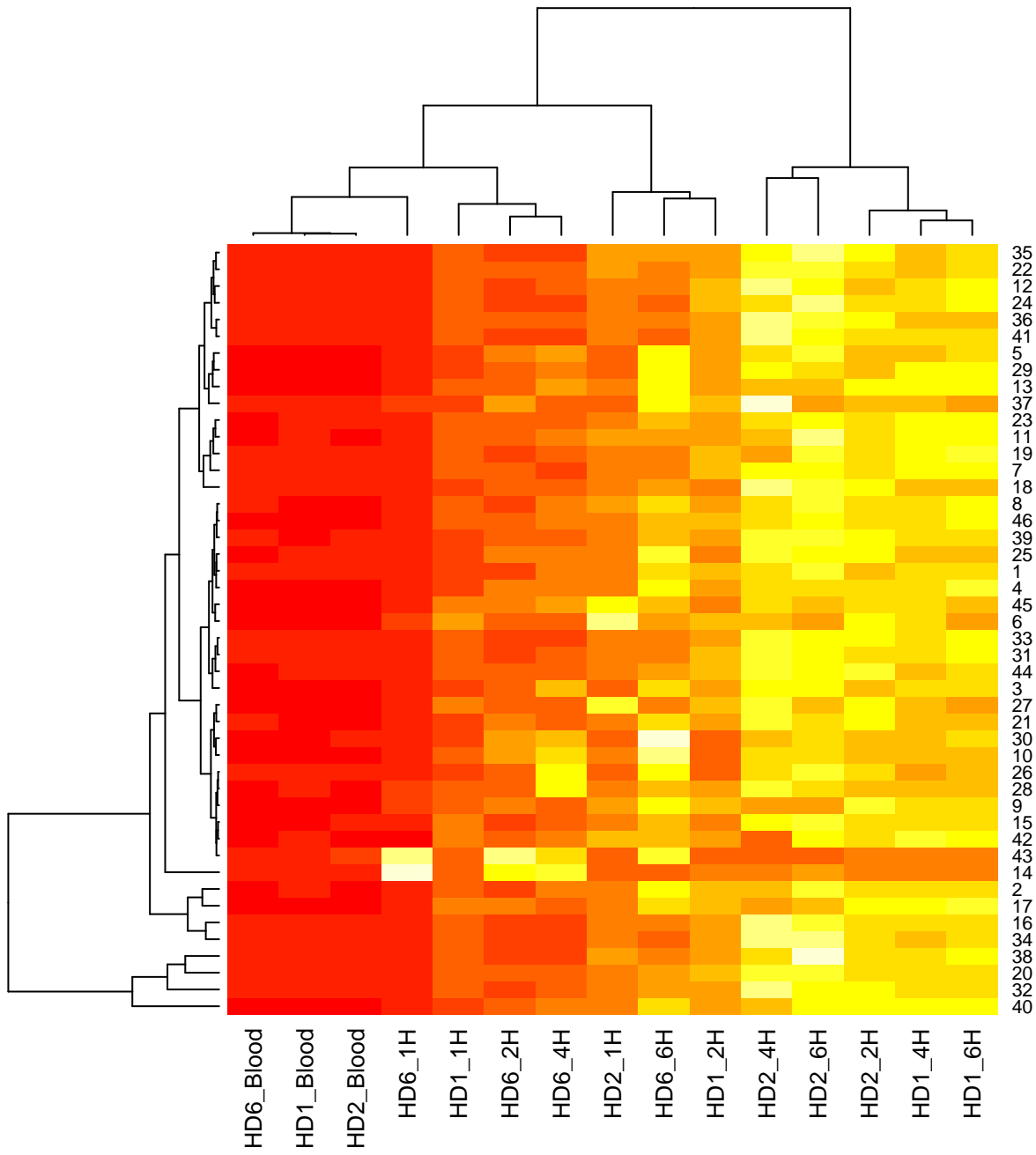
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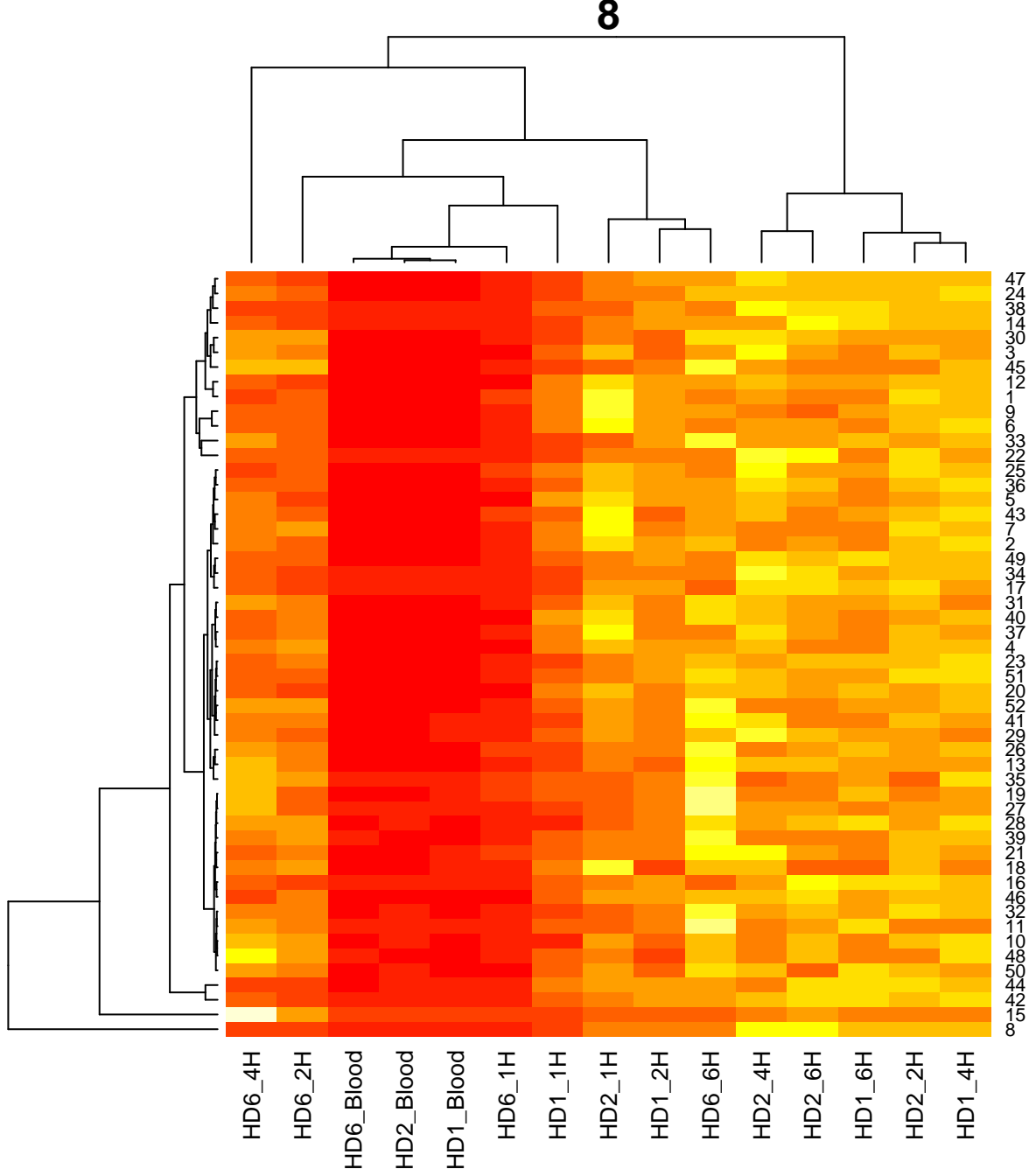


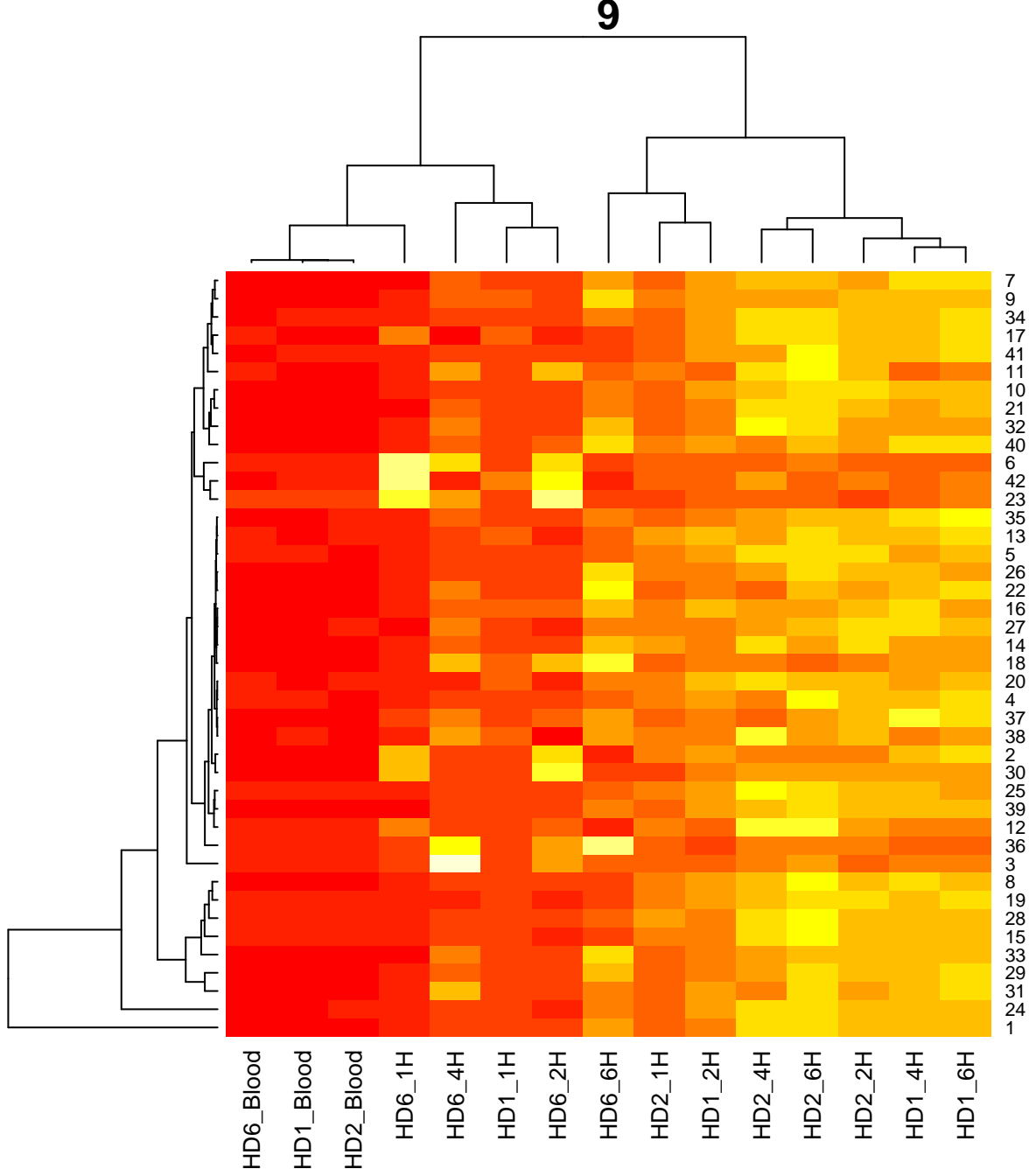


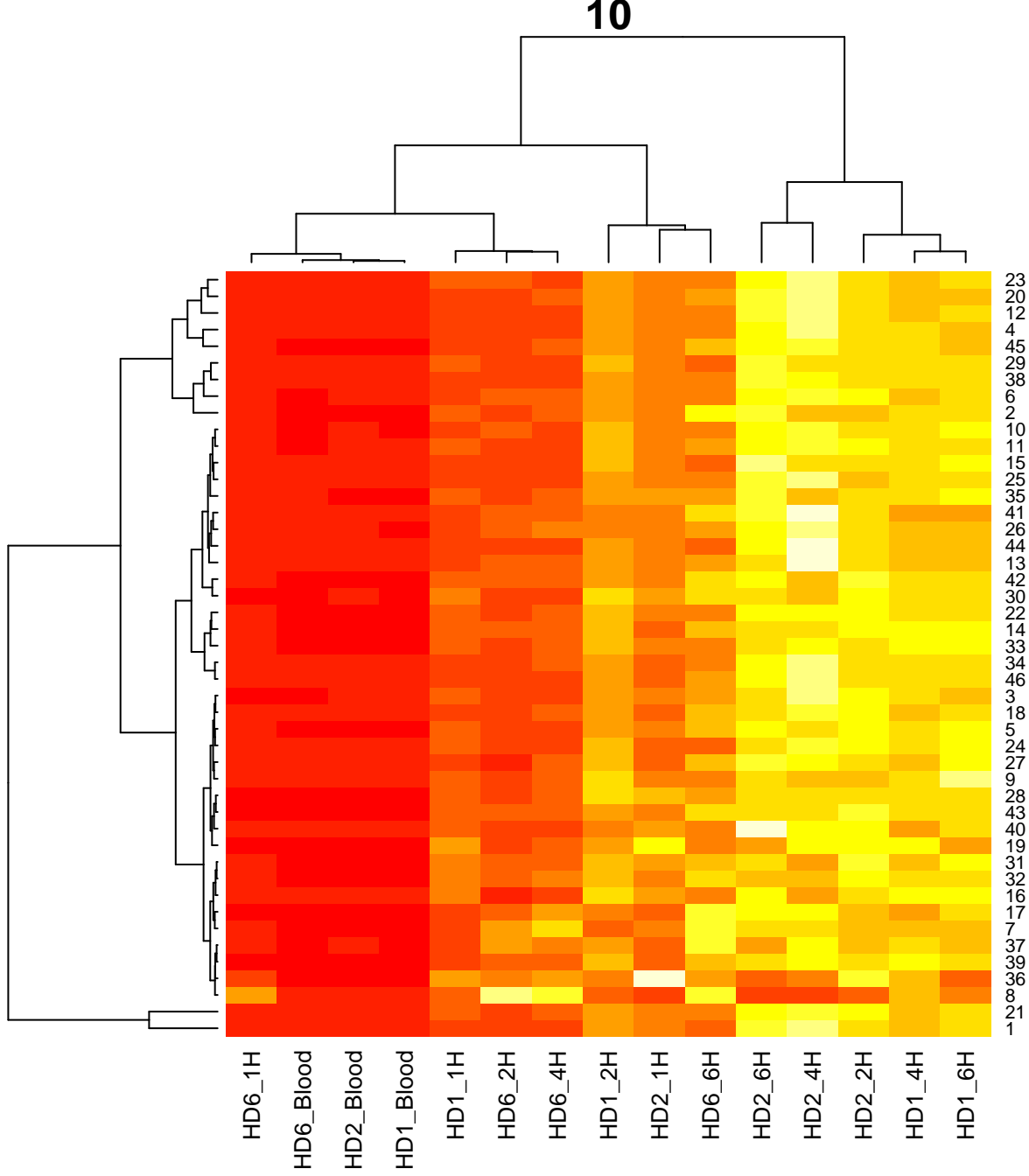


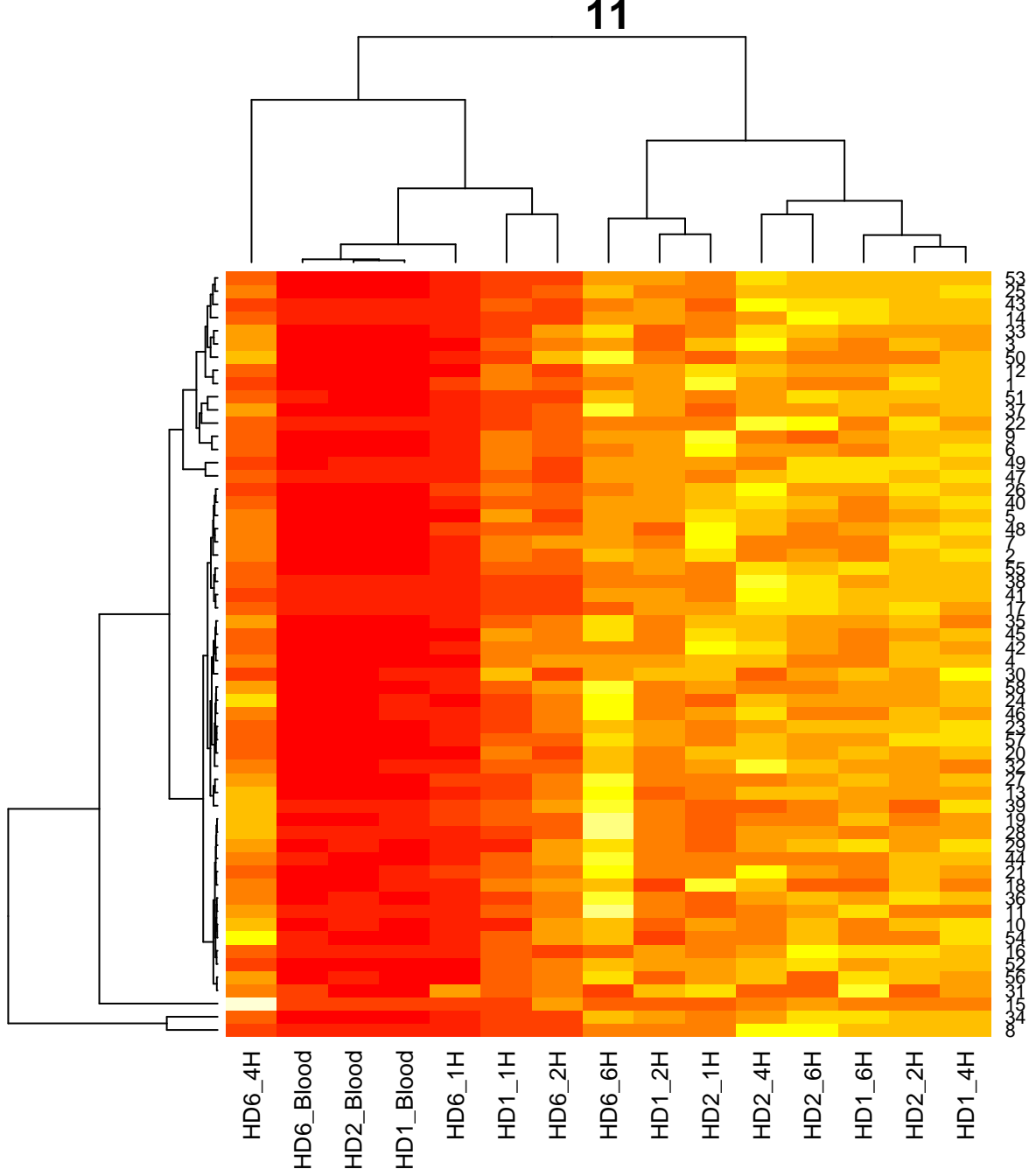
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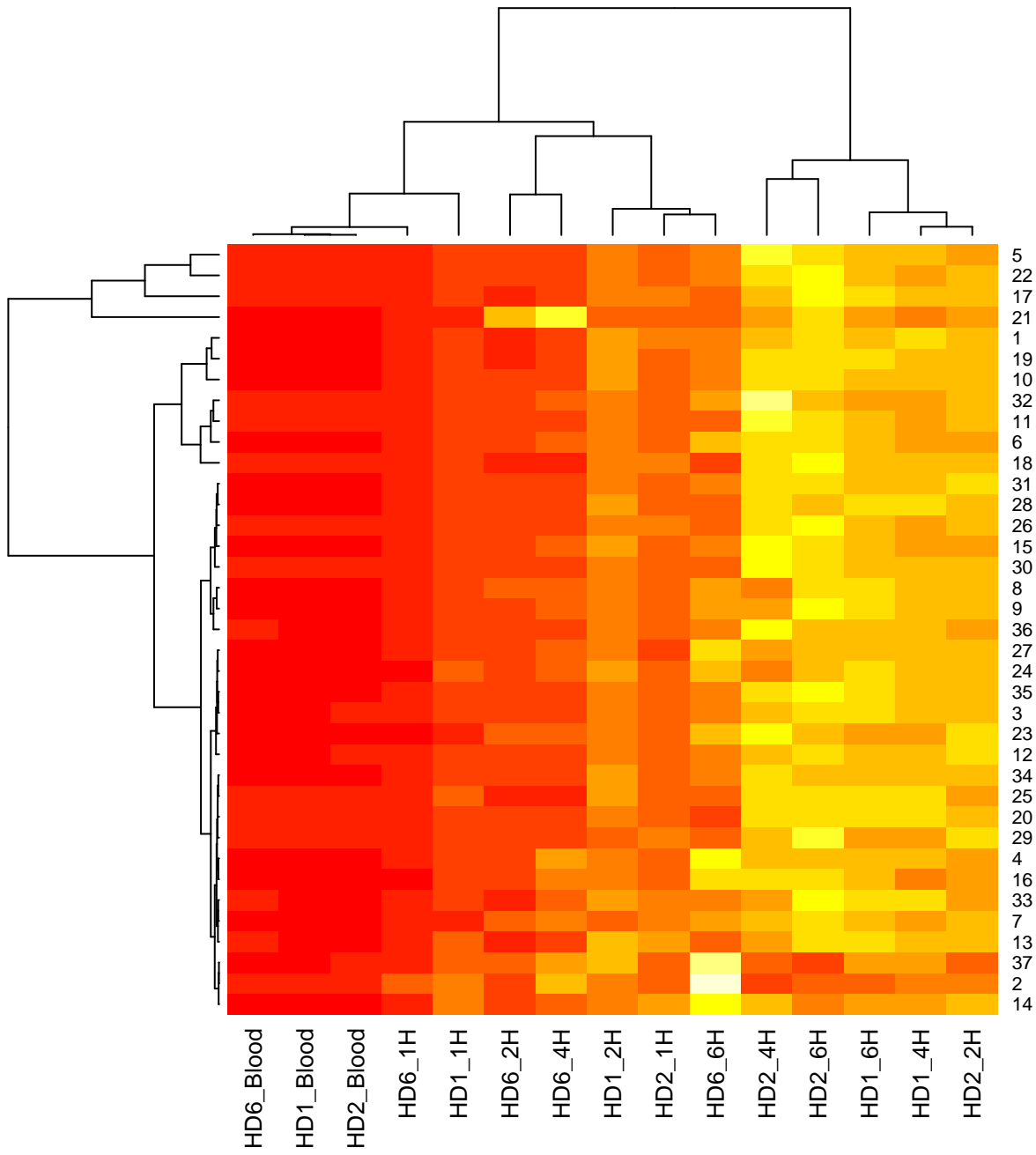


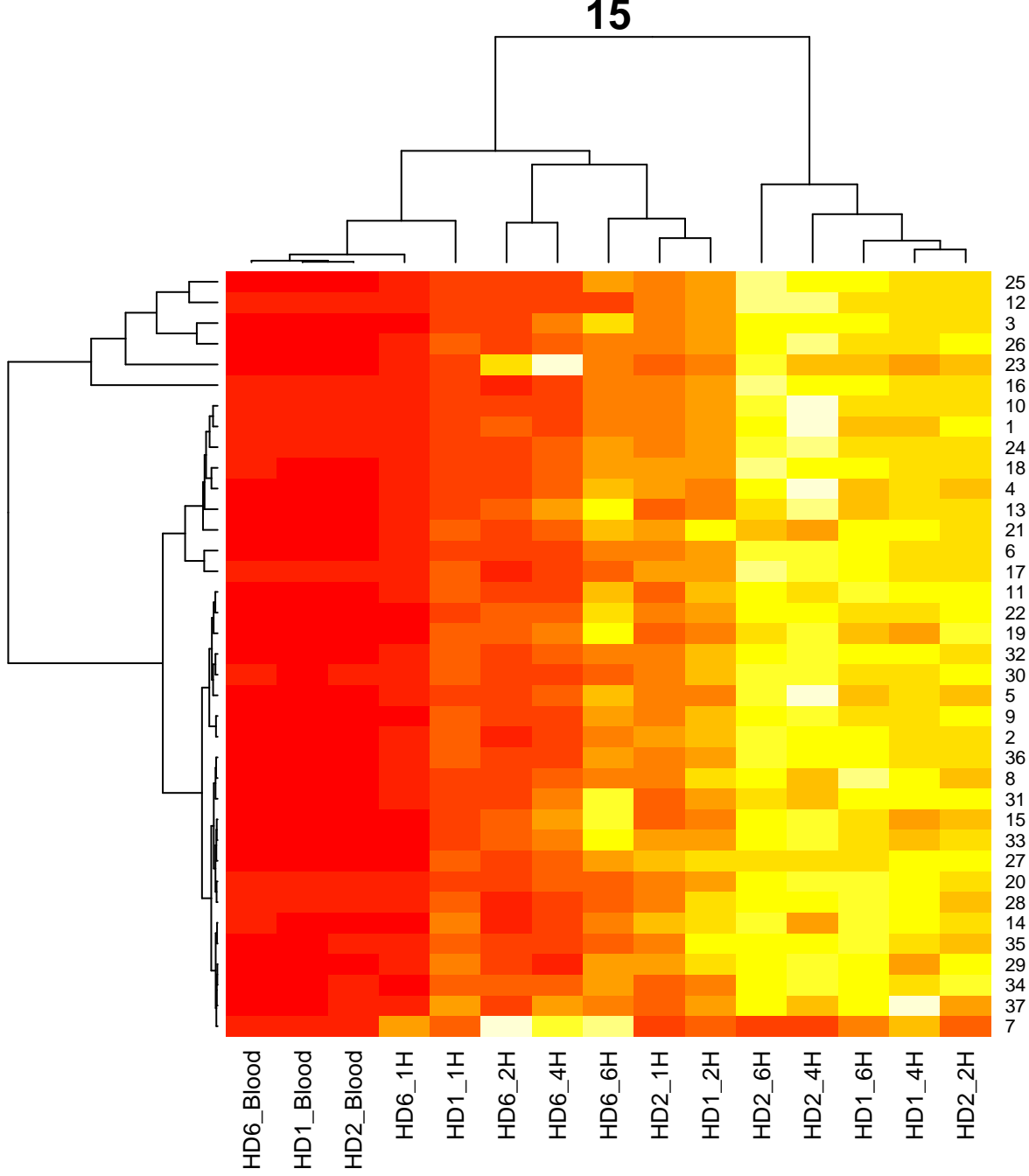


A heatmap visualization of gene expression data. The color scale ranges from red (low expression) to yellow (high expression). The dendrogram on the left shows hierarchical clustering of genes, while the dendrogram on the top shows hierarchical clustering of samples. The sample labels at the bottom are: HD6_Blood, HD2_Blood, HD1_Blood, HD1_1H, HD6_1H, HD6_6H, HD2_1H, HD1_2H, HD6_2H, HD6_4H, HD2_6H, HD2_4H, HD2_2H, HD1_4H, and HD1_6H. The gene labels on the right are numbered 1 through 32.

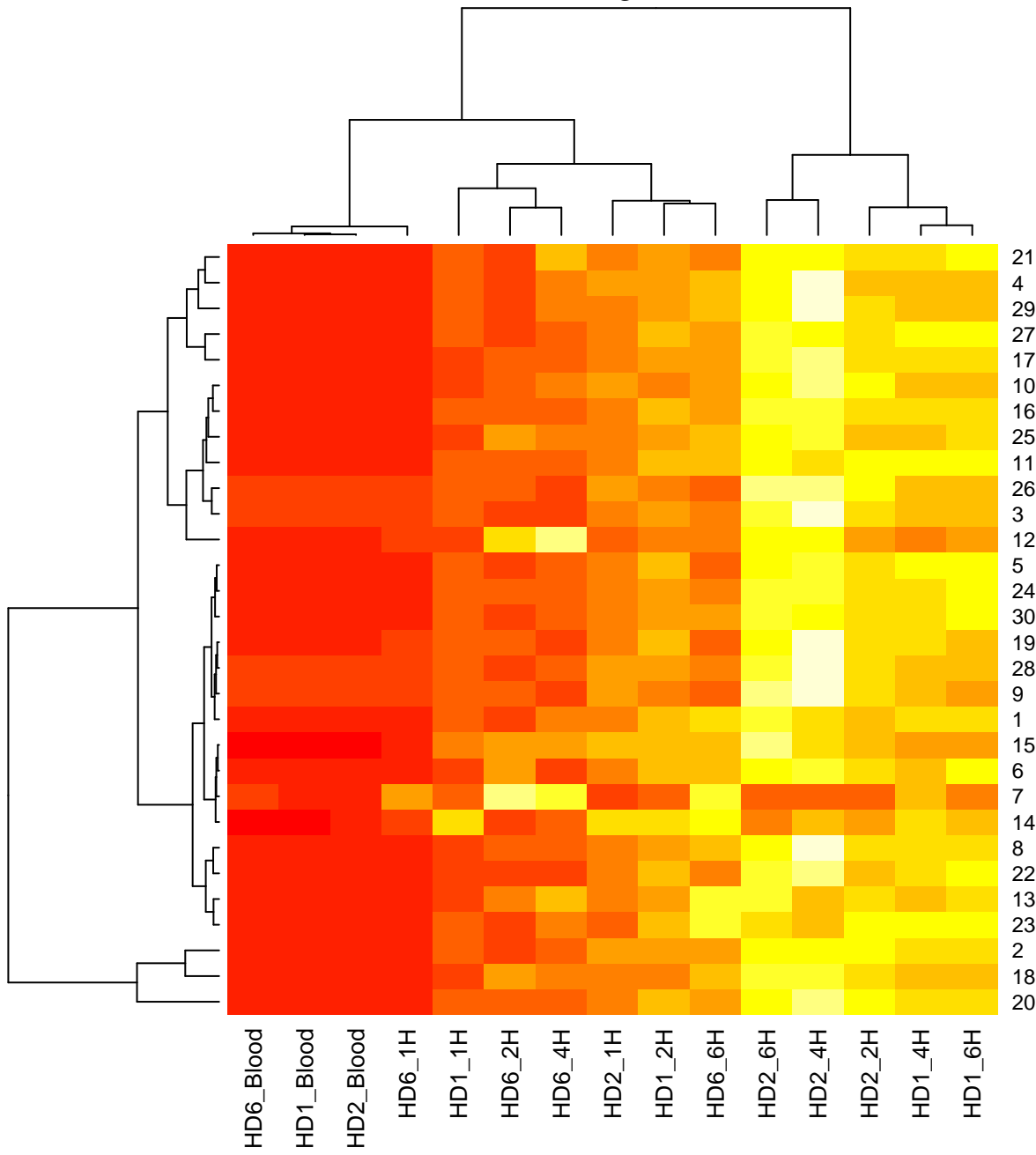
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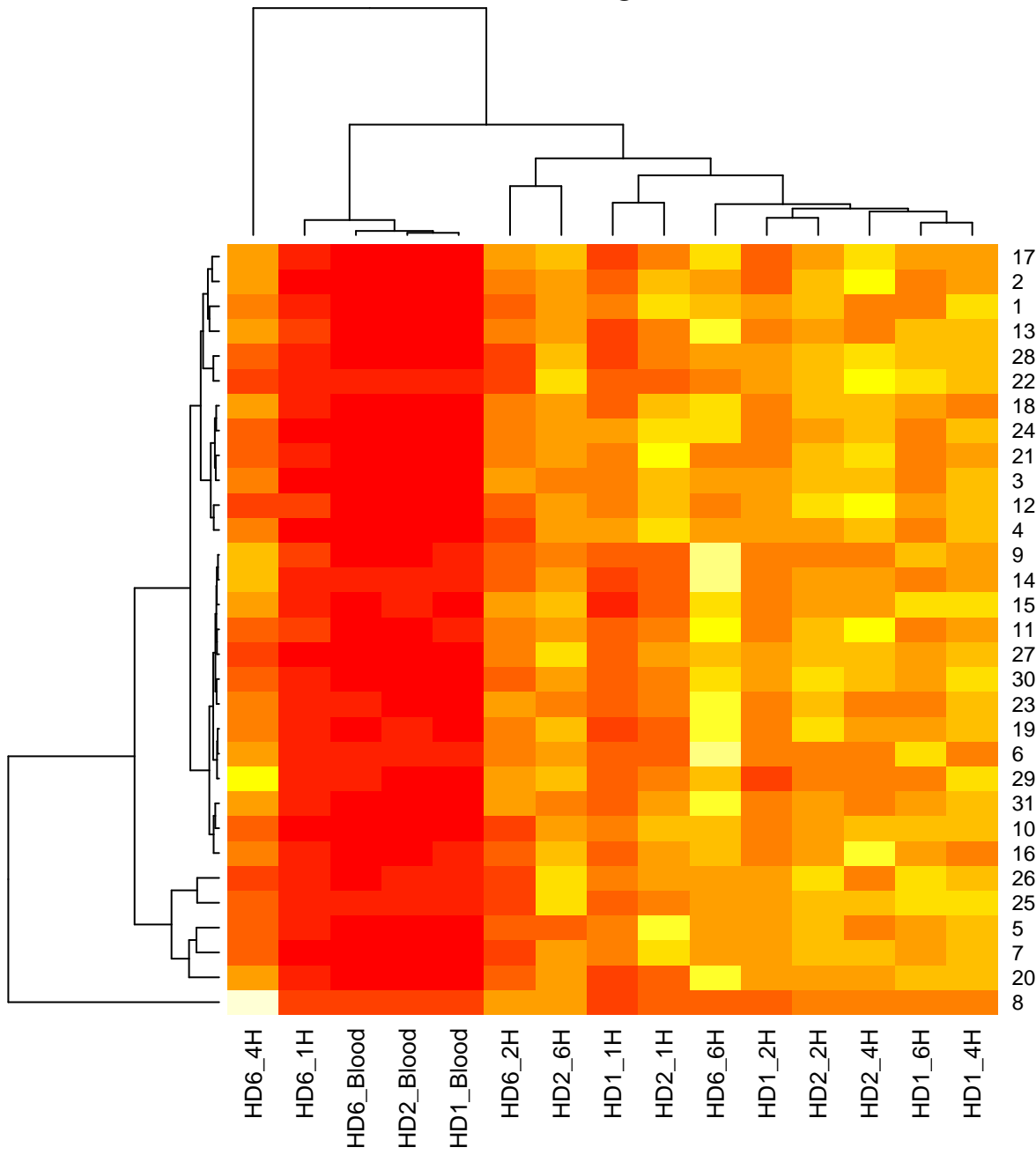


16



A heatmap visualization of gene expression data. The color scale ranges from red (low expression) to yellow (high expression). The columns are labeled with gene names: HD6_Blood, HD1_Blood, HD2_Blood, HD6_1H, HD6_4H, HD1_1H, HD6_2H, HD2_1H, HD1_2H, HD6_6H, HD2_4H, HD2_6H, HD2_2H, HD1_4H, and HD1_6H. The rows are labeled with gene IDs: 17, 32, 12, 8, 1, 23, 13, 29, 10, 19, 14, 25, 9, 15, 2, 11, 30, 24, 22, 3, 16, 21, 18, 31, 7, 5, 33, 6, 26, 4, 27, 20, and 28. Dendrograms are present on the top and left sides of the heatmap, indicating hierarchical clustering of the samples.

18



Heatmap visualization showing the correlation of gene expression across different time points and conditions. The color scale ranges from red (high correlation) to yellow (low correlation). A dendrogram at the top shows hierarchical clustering of the samples.

The samples are grouped into three main clusters based on the dendrogram:

- Cluster 1 (Left):** Includes samples HD6_Blood, HD1_Blood, HD2_Blood, HD6_1H, HD6_2H, HD6_4H, HD1_1H, HD1_2H, HD2_1H, HD6_6H, HD2_6H, HD2_4H, HD2_2H, HD1_4H, and HD1_6H. This cluster shows high internal correlation (red).
- Cluster 2 (Middle):** Includes samples HD6_1H, HD6_2H, HD6_4H, HD1_1H, HD1_2H, HD2_1H, HD6_6H, HD2_6H, HD2_4H, HD2_2H, HD1_4H, and HD1_6H. This cluster shows moderate correlation (orange).
- Cluster 3 (Right):** Includes samples HD6_6H, HD2_6H, HD2_4H, HD2_2H, HD1_4H, and HD1_6H. This cluster shows low internal correlation (yellow).

