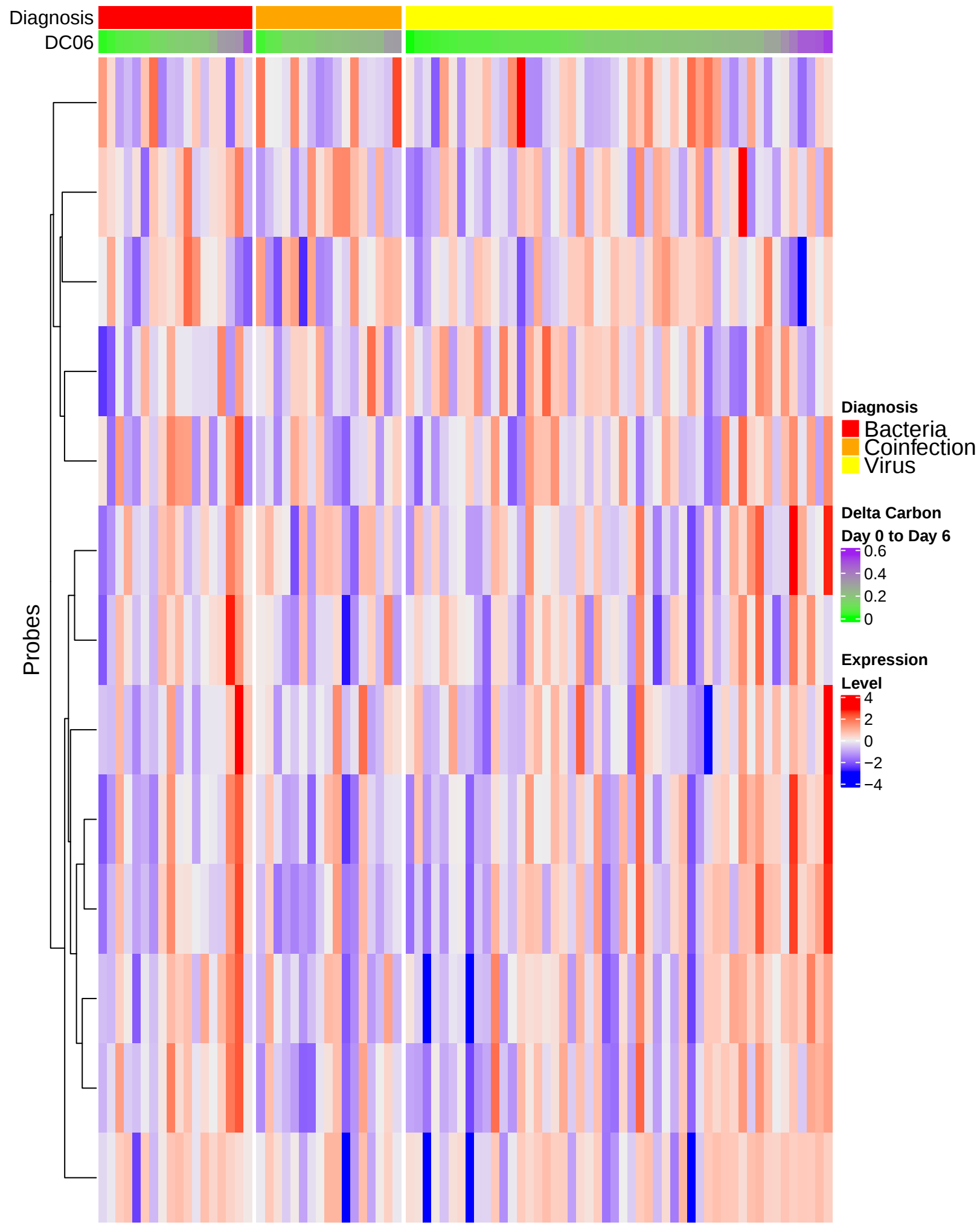


Figure S1: Gene expression heatmap of the Protoporphyrinogen IX Biosynthetic Process pathway sorted by diagnosis and concentration of Delta-C during lag days 0-6



Heatmap visualization showing probe expression levels across different diagnosis groups and DC21_27 categories. The y-axis is labeled 'Probes' and the x-axis is labeled 'Diagnosis' and 'DC21_27'. The color scale ranges from red (high expression) to blue (low expression).

Probes

Diagnosis

■ Bacteria
■ Coinfection
■ Virus

Delta Carbon
Day 21 to Day 27

■ 0.6
■ 0.4
■ 0.2
■ 0

Expression
Level

■ 4
■ 2
■ 0
■ -2
■ -4

Figure S3: Gene expression heatmap of the Structural Constituent of Ribosome pathway sorted by diagnosis and concentration of Delta-C during lag days 7-13

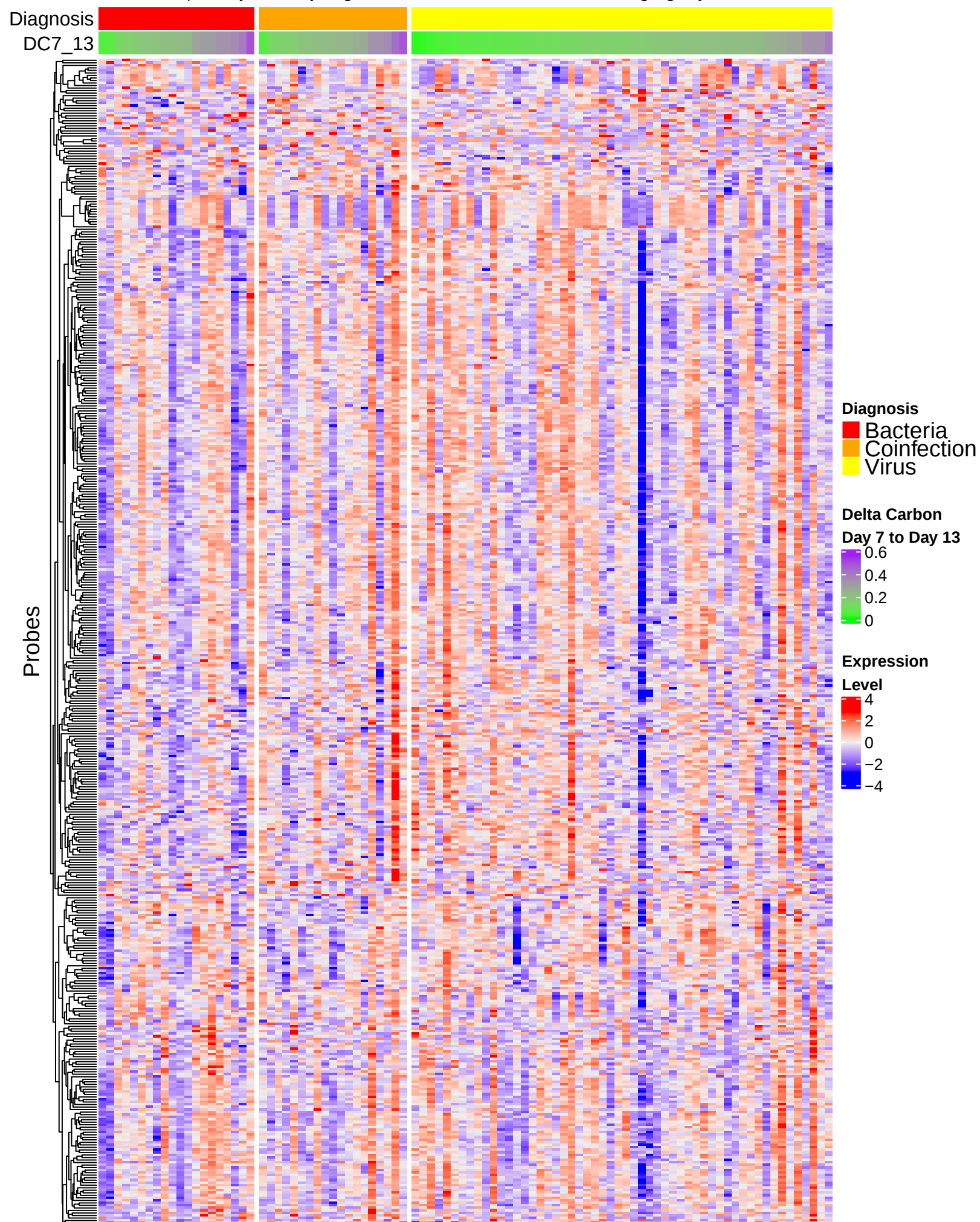


Figure S4: Gene expression heatmap of the Structural Constituent of Ribosome pathway sorted by diagnosis and concentration of Delta-C during lag days 14-20

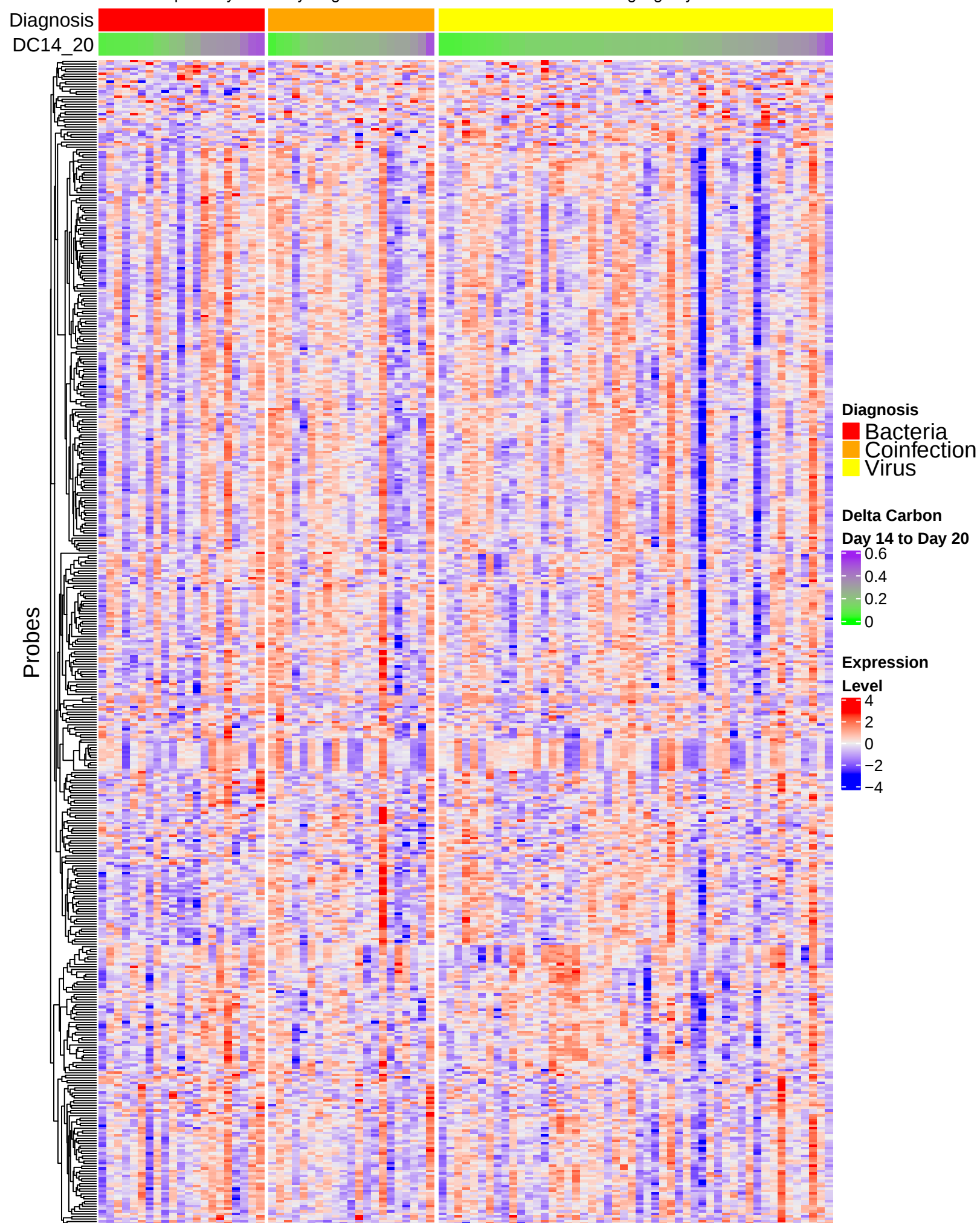


Figure S5: Gene expression heatmap of the Viral Gene Expression pathway
sorted by diagnosis and concentration of Delta-C during lag days 7-13

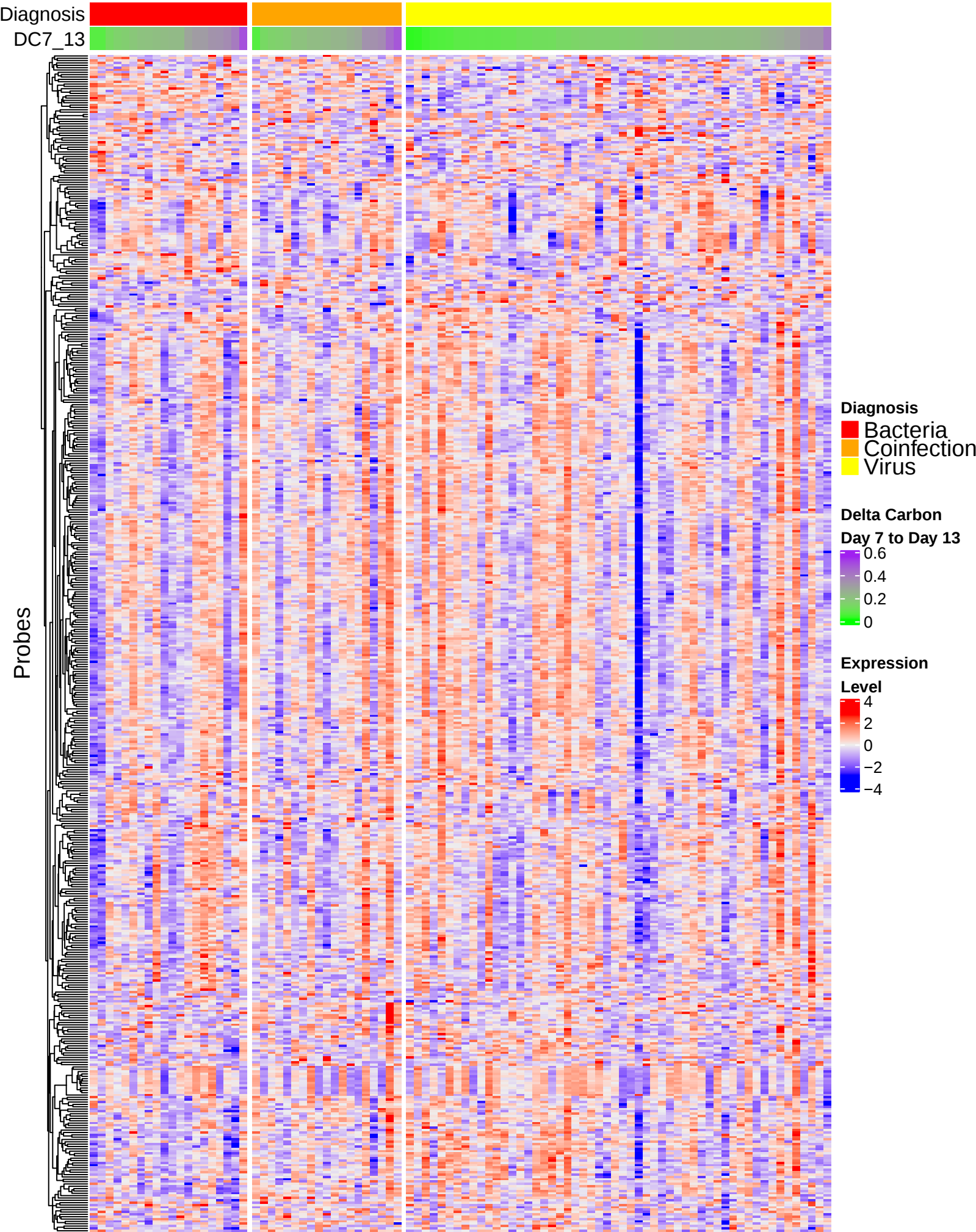


Figure S6: Gene expression heatmap of the Viral Gene Expression pathway
sorted by diagnosis and concentration of Delta-C during lag days 14-20

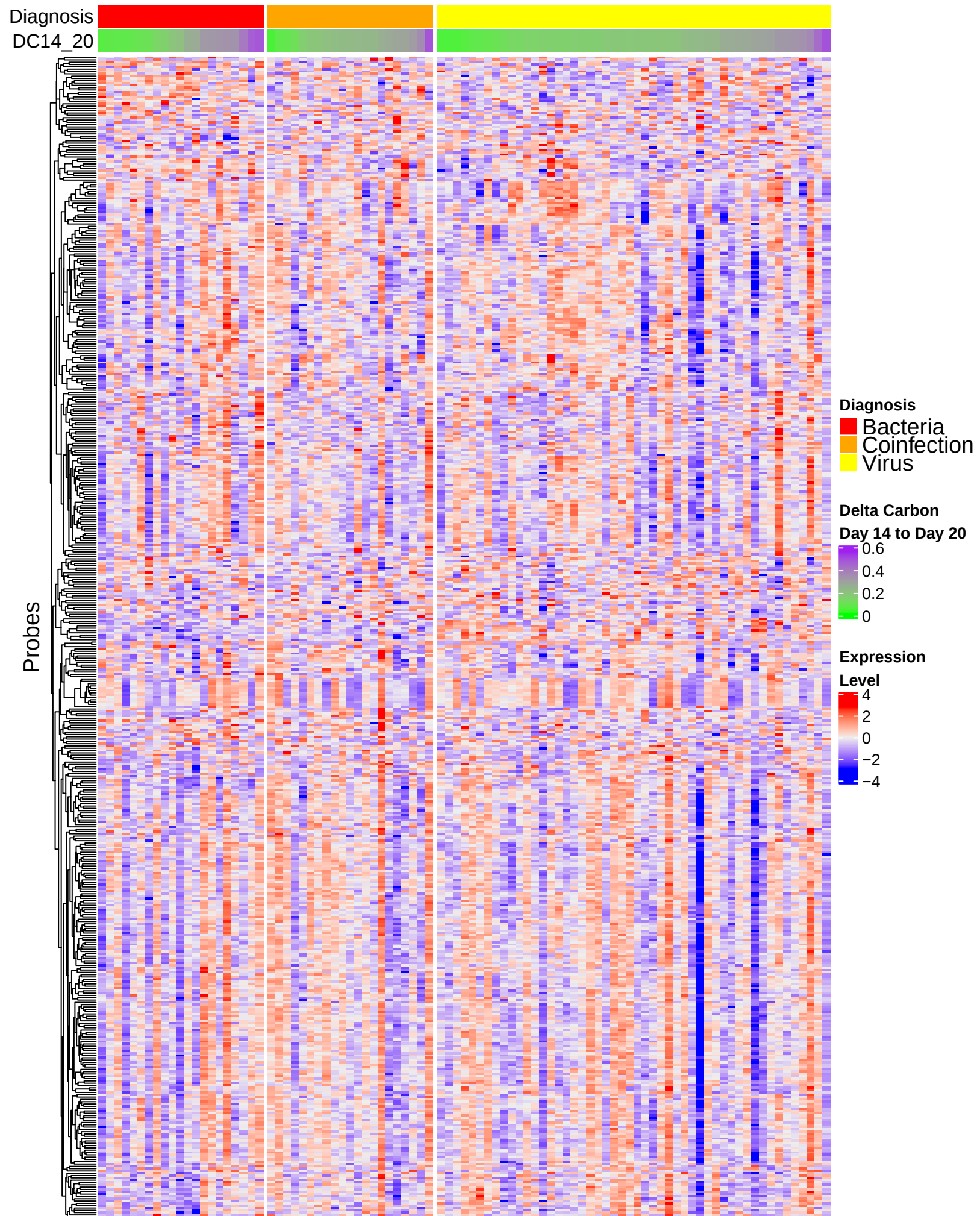


Figure S7: Gene expression heatmap of the Protoporphyrinogen IX Biosynthetic Process pathway sorted by diagnosis and concentration of PM_{2.5} during lag days 0-6

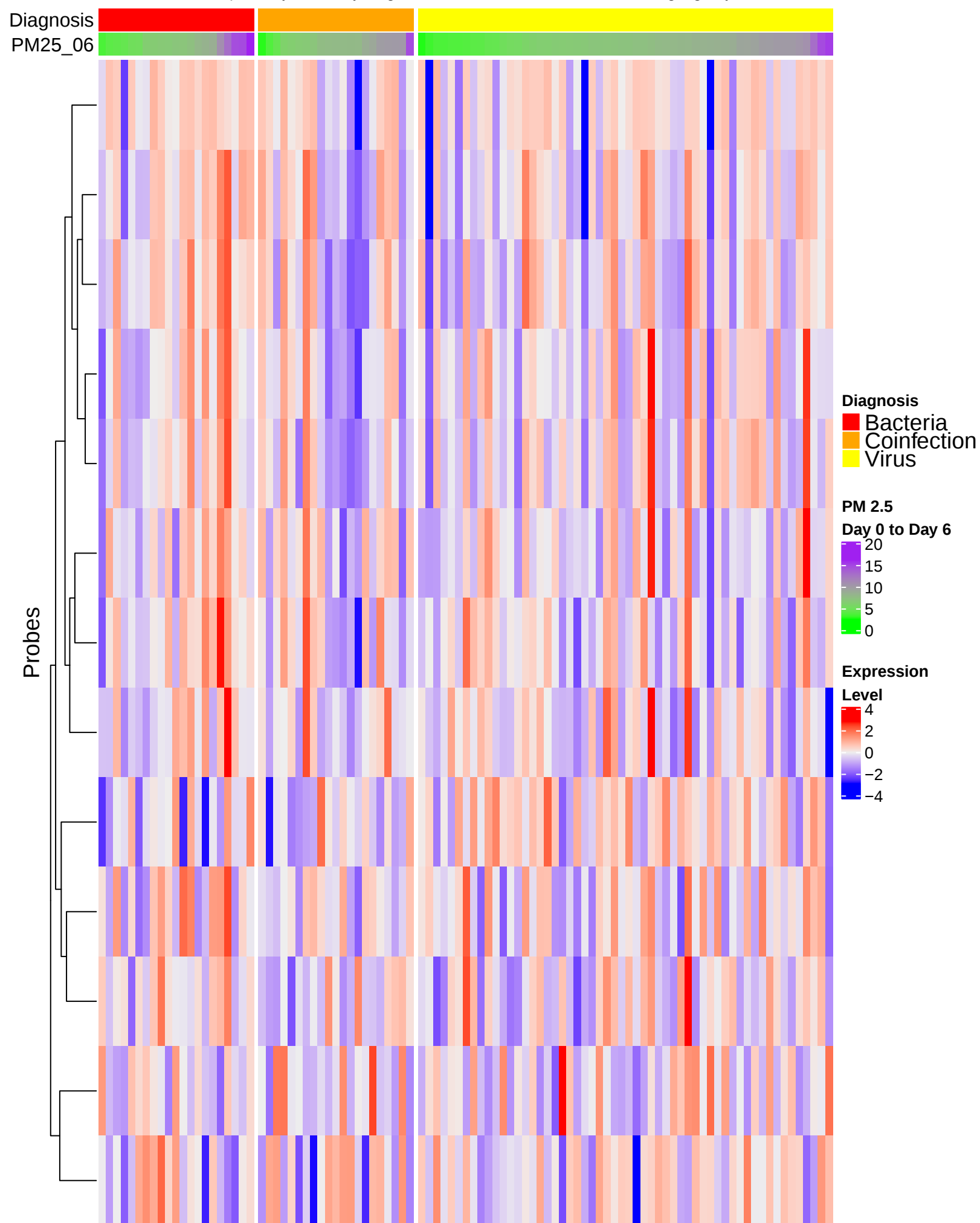


Figure S8: Gene expression heatmap of the Protoporphyrinogen IX Biosynthetic
Process pathway sorted by diagnosis and concentration of PM_{2.5} during lag days 14-20

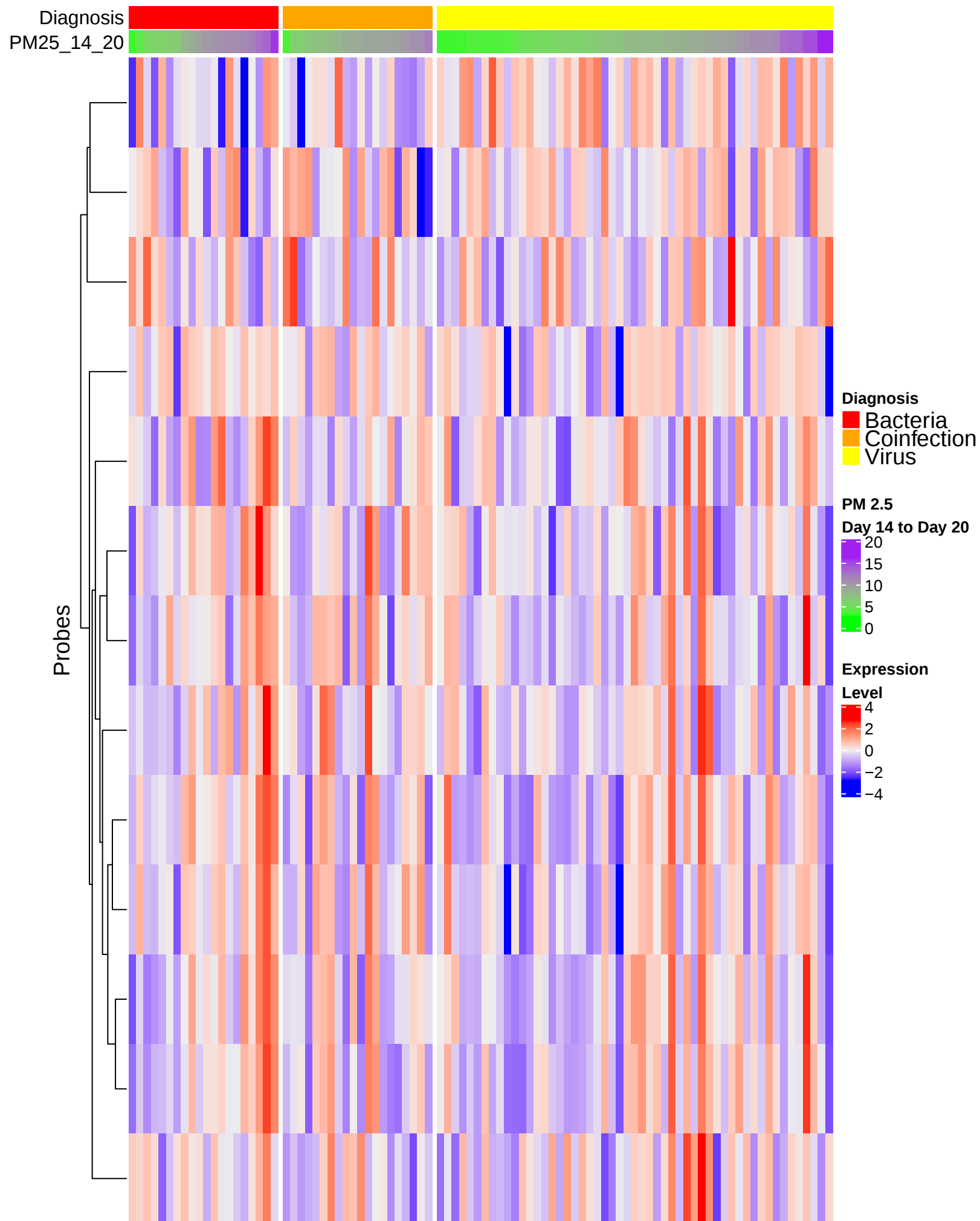


Figure S9: Gene expression heatmap of the Viral Gene Expression pathway sorted by diagnosis and concentration of Ultrafine particles (UFP) during lag days 14-20

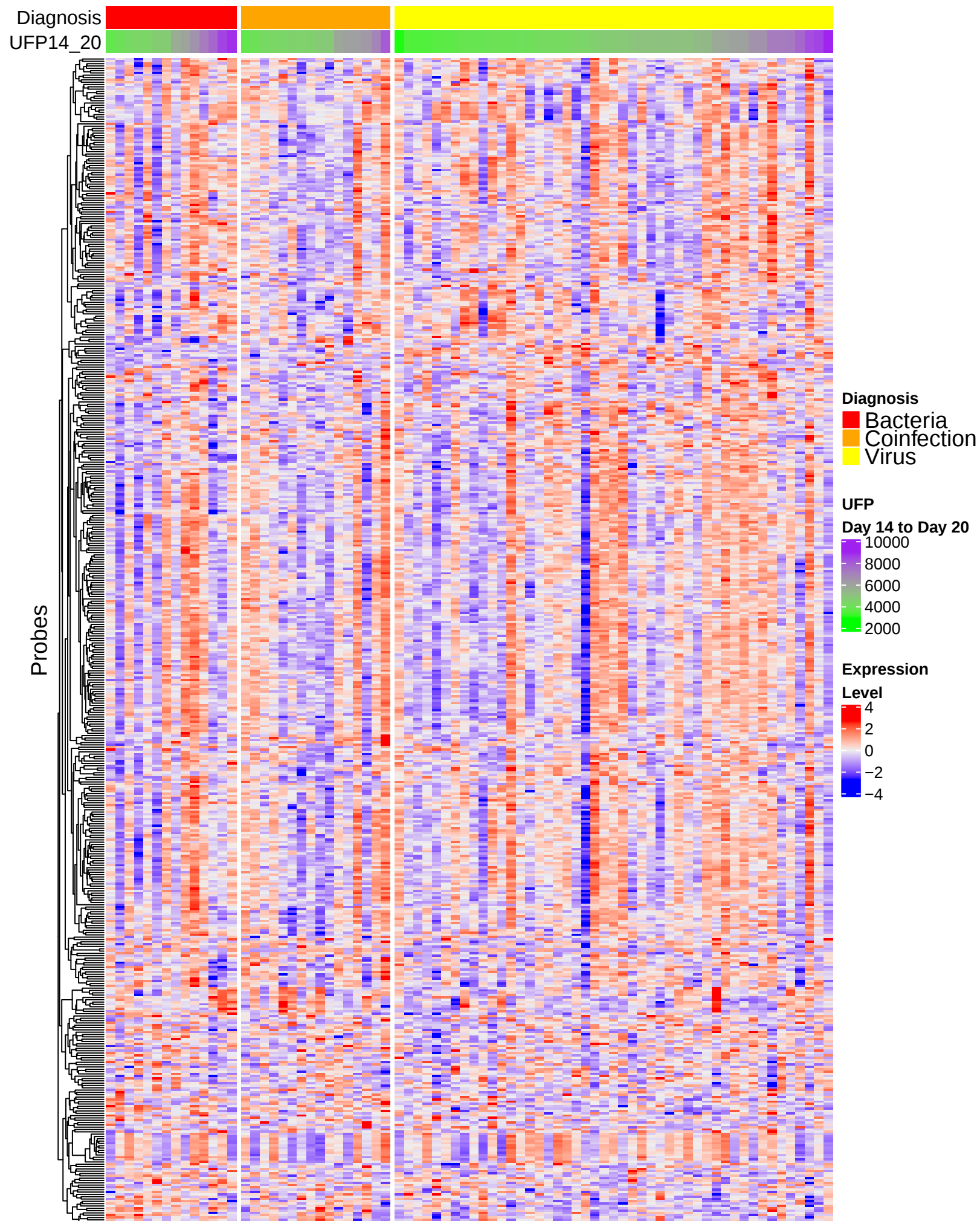


Figure S10: Gene expression heatmap of the Viral Gene Expression pathway sorted by diagnosis and concentration of Ultrafine particles (UFP) during lag days 21-27

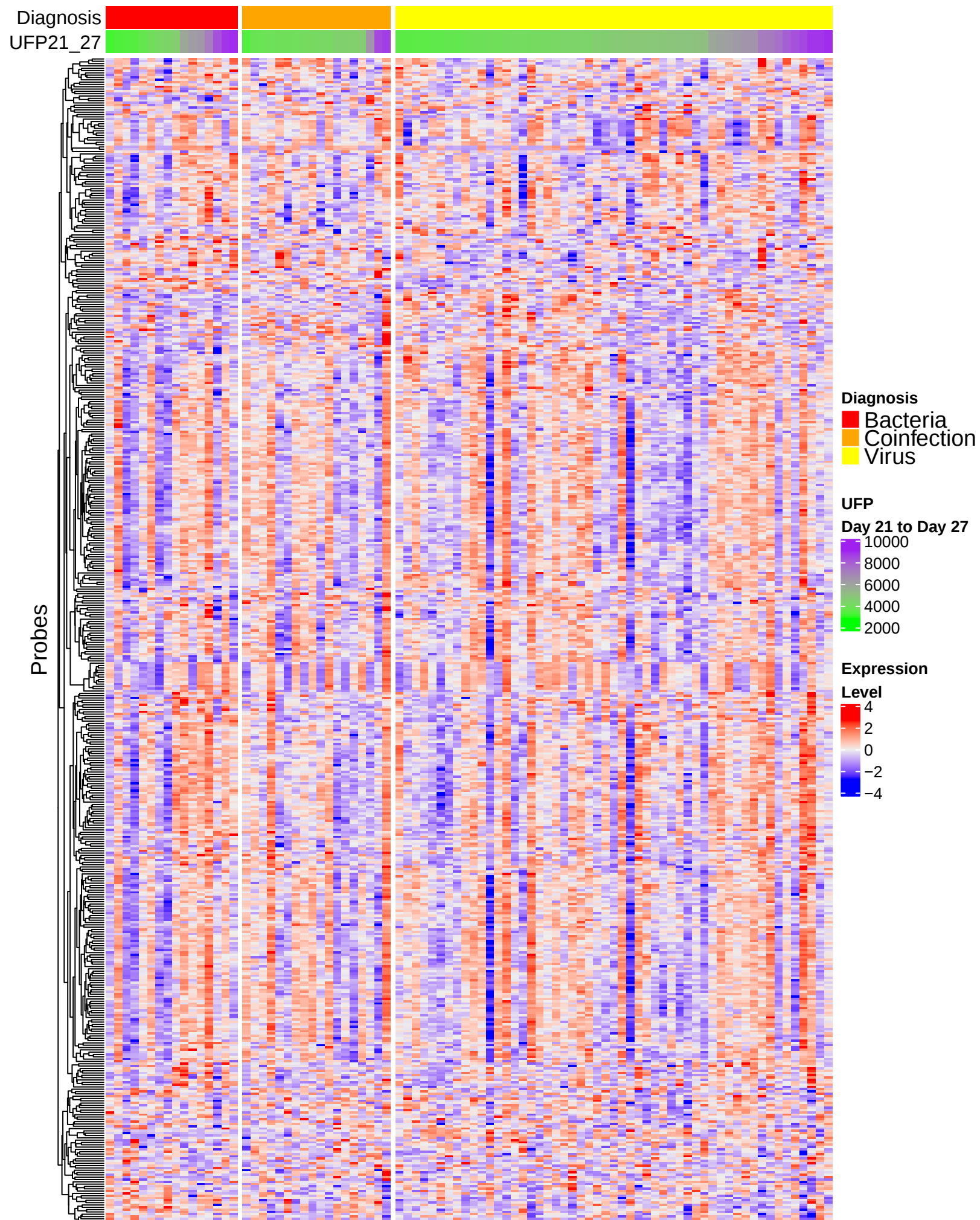


Figure S11: Gene expression heatmap of the Nuclear Transcribed mRNA Catabolic Process pathway sorted by diagnosis and concentration of accumulation mode particles (AMP) during lag days 0-6

