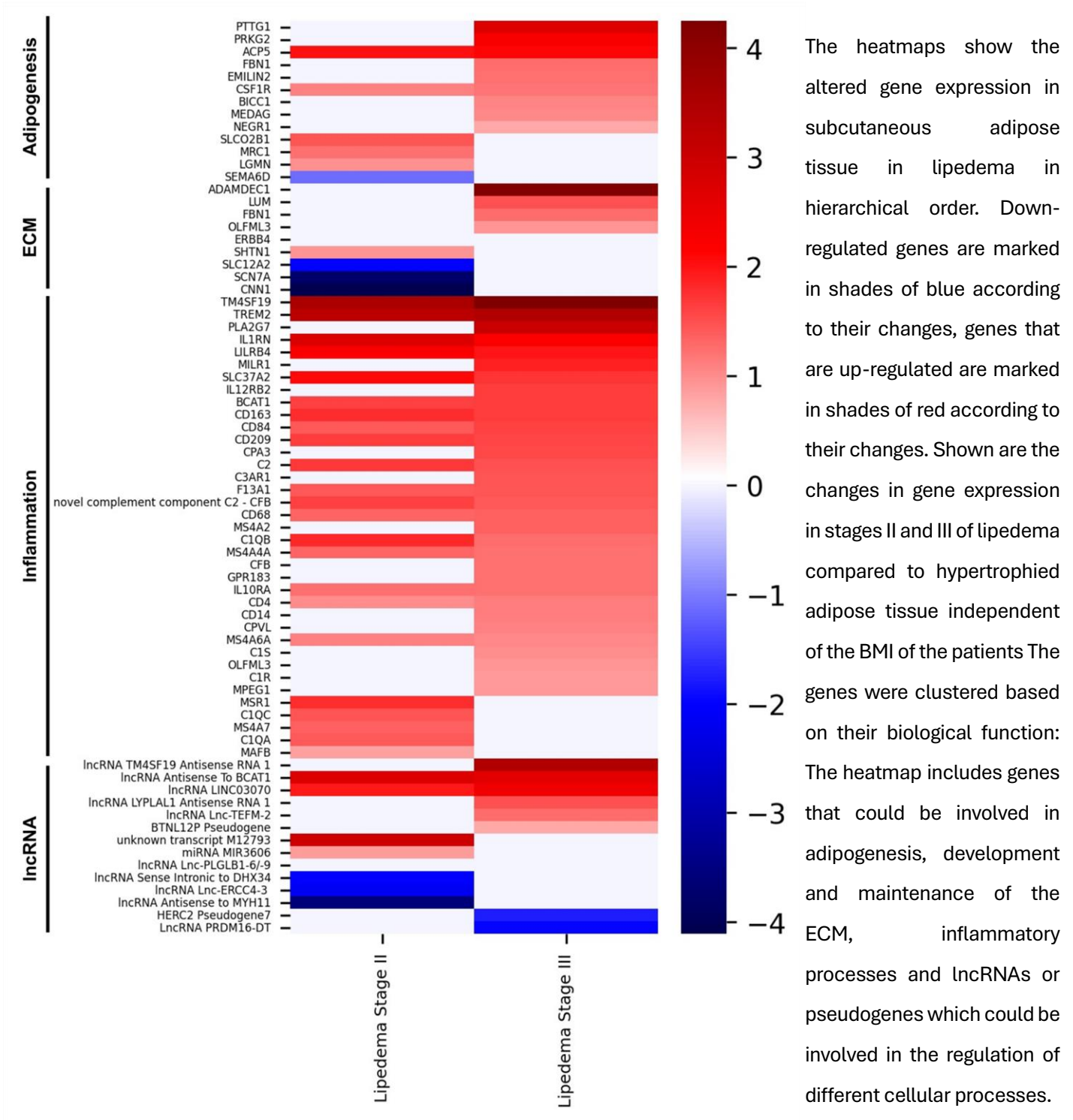


**SUPPLEMENTAL DIGITAL CONTENT 6: HEATMAPS OF DIFFERENTIALLY EXPRESSED GENES IN LIPEDEMA**



The heatmaps show the altered gene expression in subcutaneous adipose tissue in lipedema in hierarchical order. Down-regulated genes are marked in shades of blue according to their changes, genes that are up-regulated are marked in shades of red according to their changes. Shown are the changes in gene expression in stages II and III of lipedema compared to hypertrophied adipose tissue independent of the BMI of the patients. The genes were clustered based on their biological function: The heatmap includes genes that could be involved in adipogenesis, development and maintenance of the ECM, inflammatory processes and lncRNAs or pseudogenes which could be involved in the regulation of different cellular processes.