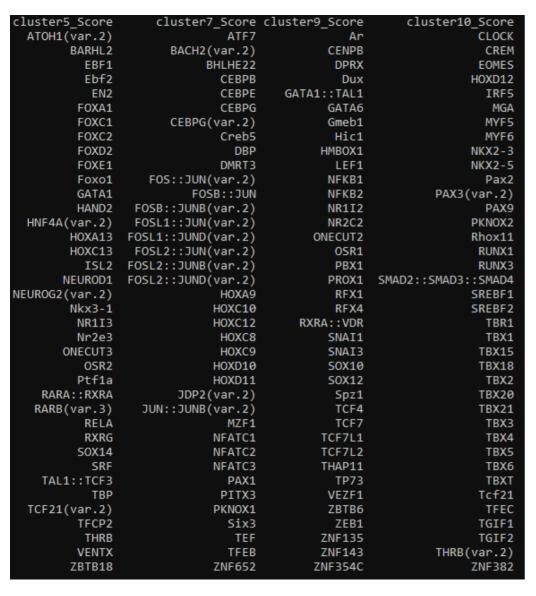
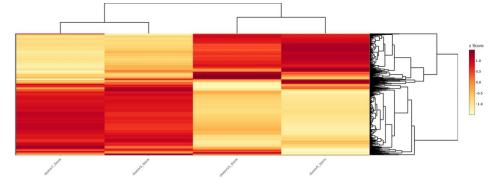
WP3 - 21.01.2022

Tasks done since last week

- Snakemake pipeline mostly running
 - Limited by RAM
 - Testing with reduced comparisons for BINDetect
 - Quite slow (more cores might speed it up)
- Simple script to extract the defining TFs for each cluster





Examples:

Cluster 10:

High expression of TFs associated with the circadian clock, i.e. CLOCK, CREM and muscle-specific genes, i.e. MYF5, MYF6, TBX5 (heart), but other organ develoment too

Cluster 7:

High expression of Tfs associated with immune responses, i.e. ATF7, CEBPB, CEBPG, CEBPE (bone marrow),

ToDos

- Test snakemake pipeline again with more RAM (Monday)
- Improve extraction of defining Tfs
- Finishing interfaces