

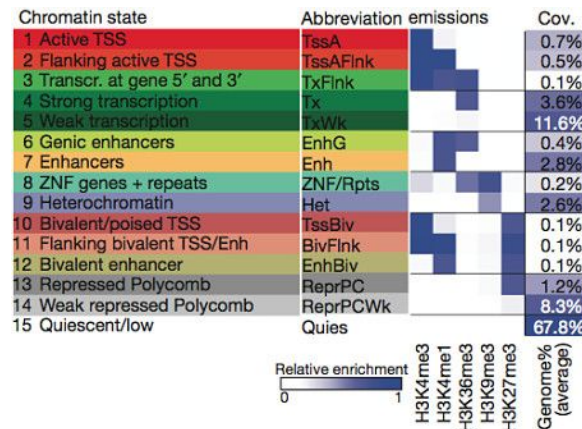
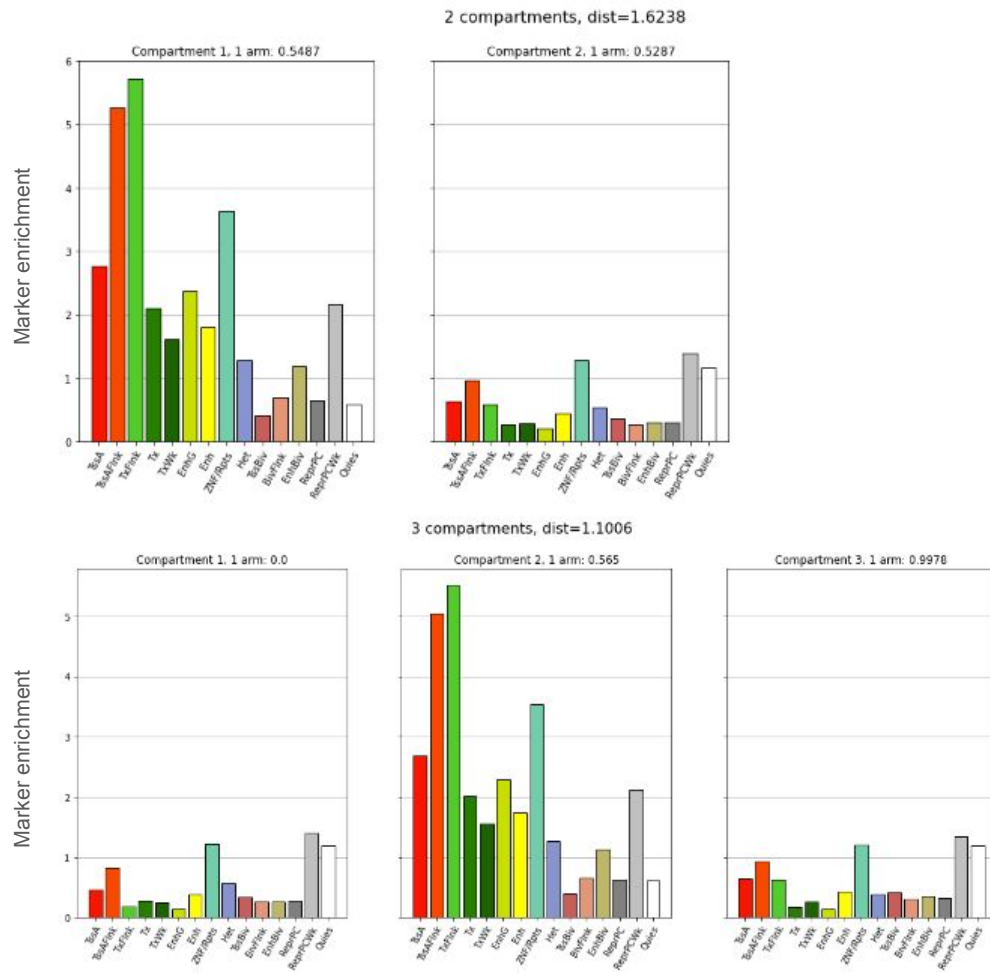
Meet-EU Session 2021-2022

Searching for optimal number of chromatin compartments

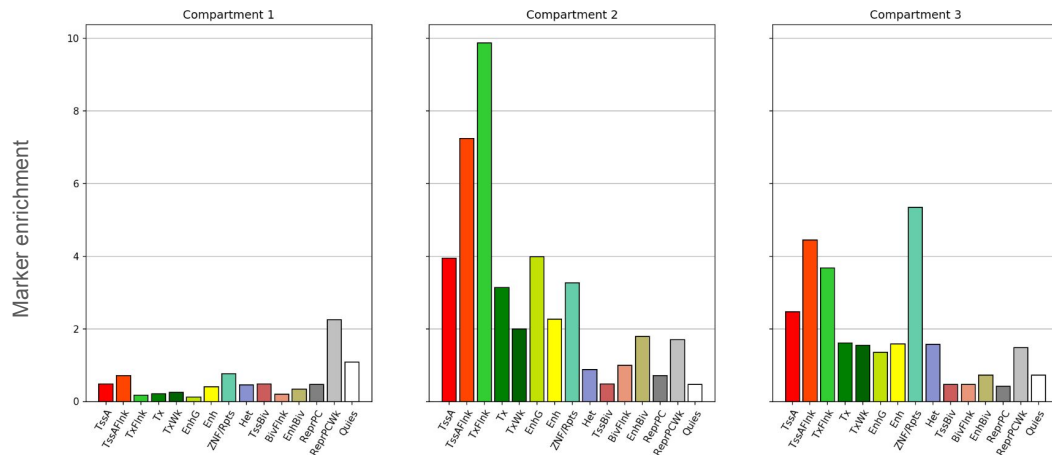
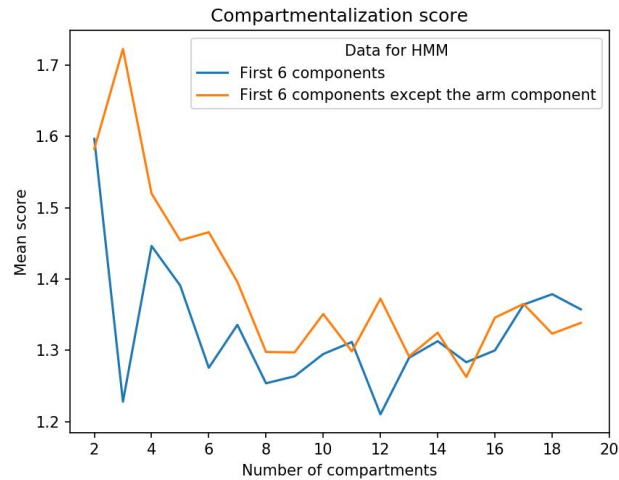
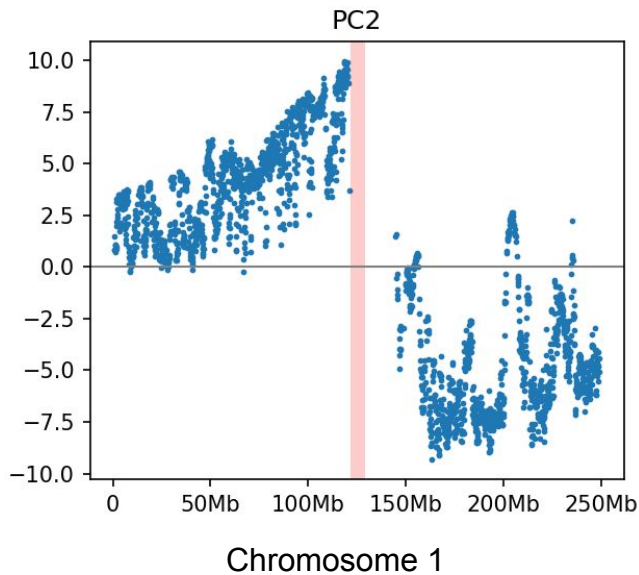
WARSAW CPT TEAM

Epigenetic markers distribution

We calculated compartments using HMM($n_comps = 2, 3$) on correlation matrix and visualized distribution of epigenetic markers for each compartment.



Some PCs store variability connected to chromosome arm



Challenges

- Is information about the chromosome arm important in terms of chromatin compartment?
- For some chromosomes there is no component clearly corresponding to chromosome arms.
- Is there any optimal number of compartments for all chromosomes?

