Intro :

\*Genome architecture <-> gene expression

🡪 some lincRNAs regulate expression cis-trans.

\*Explain TADs, TAD boundaries, (CTCF enrichment).

\*Blabla investigate TAD-bound lincRNAs properties

?TR lincRNAs, impact on traits

Results

TAD boundaries definition

Diff between TADbound and non-TADbound

Genomic DNA is folded onto itself, forming compact structures that affect gene expression. On a large scale, regions presenting a high degree of compaction are classified as heterochromatin while uncondensed regions are classified as euchromatin. These are respectively associated with lower and higher expression levels. On a smaller scale, areas where DNA-DNA interactions are especially frequent are called topologically associated domains (TADs). Those domains are conserved across cell lines and contain