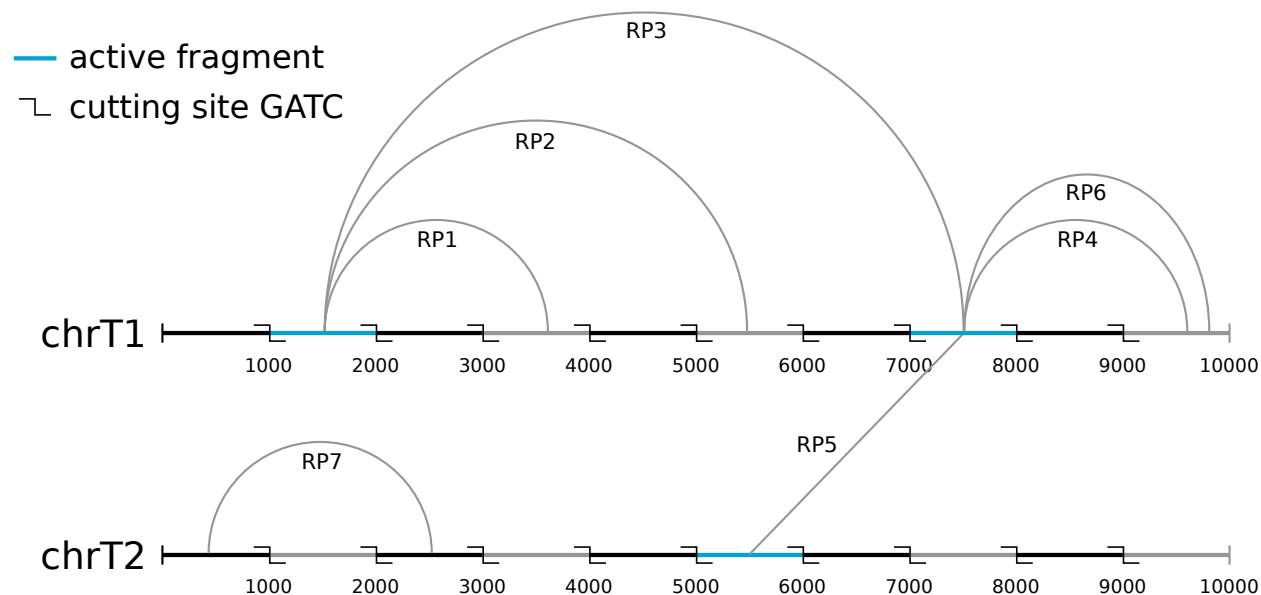


Test files for testing of class InteractionCountsMap



Preparation of FASTQ files

Filenames:
testInteractionCountsMap_R1.fq
testInteractionCountsMap_R2.fq

7 unique read pairs
Read length: 20

Preparation reference sequence file

Filename:
testInteractionCountsMapReference.fa

One unit has 1000 bp and ends with GATC.
Fragments mainly consist of Ns.

The file for digests as well as FASTA
and bowtie2 indices for have already
been created.
Additionally, there is a file containing coordinates
for active fragments (blue).

Find all files in:
src/test/resources/data/testInteractionCountsMap

Running this command:

```
$ ../../../../target/Diachromatic.jar map -b /usr/bin/bowtie2 -i testInteractionCountsMapReference -q testInteractionCountsMap_R1.fq -r testInteractionCountsMap_R2.fq -d testInteractionCountsMapDigests.txt -j
```

Yields interaction counts:

chrT1	6997	7996	A	chrT1	8997	9996	I	2
chrT2	1	996	I	chrT2	1997	2996	I	1
chrT1	997	1996	A	chrT1	6997	7996	A	1
chrT1	997	1996	A	chrT1	2997	3996	I	1
chrT2	4997	5996	A	chrT1	6997	7996	A	1
chrT1	997	1996	A	chrT1	4997	5996	I	1

Filename:

diachromatic.interacting.fragments.counts.table.tsv

And read counts at interacting fragments:

chrT2	1997	2996	I	1
chrT1	8997	9996	I	2
chrT2	1	996	I	1
chrT1	997	1996	A	3
chrT1	2997	3996	I	1
chrT1	6997	7996	A	4
chrT2	4997	5996	A	1
chrT1	4997	5996	I	1

Filename:

diachromatic.interaction.counts.table.ts
diachromatic.interaction.counts.table.tsv

A means active and I inactive.