Sample Preparation

- RNA enrichment
- cDNA synthesis
- Library preparation

Sequencing

- Illumina HiSeq 2000
- 100 bp paired end reads

Trimming + Mapping

- TrimGalore (Cutadapt)
- Tophat
- Star

Cell lines

A431
U251
U2OS

M. sympodialis

Quality Control Metrics

- rRNA quantification — Strand specificity
- Duplication rate — Gene coverage — Correlation

Differential expression analysis

Antisense transcription of PTENpg

Novel transcription in U2OS

Strand specific transcription in compact genomes