Call somatic mutation in regulatory region from TCGA-BRCA WXS data

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# Backgrounds

hi

## Mutations in promoter research

hi

## WXS capture rate

hi

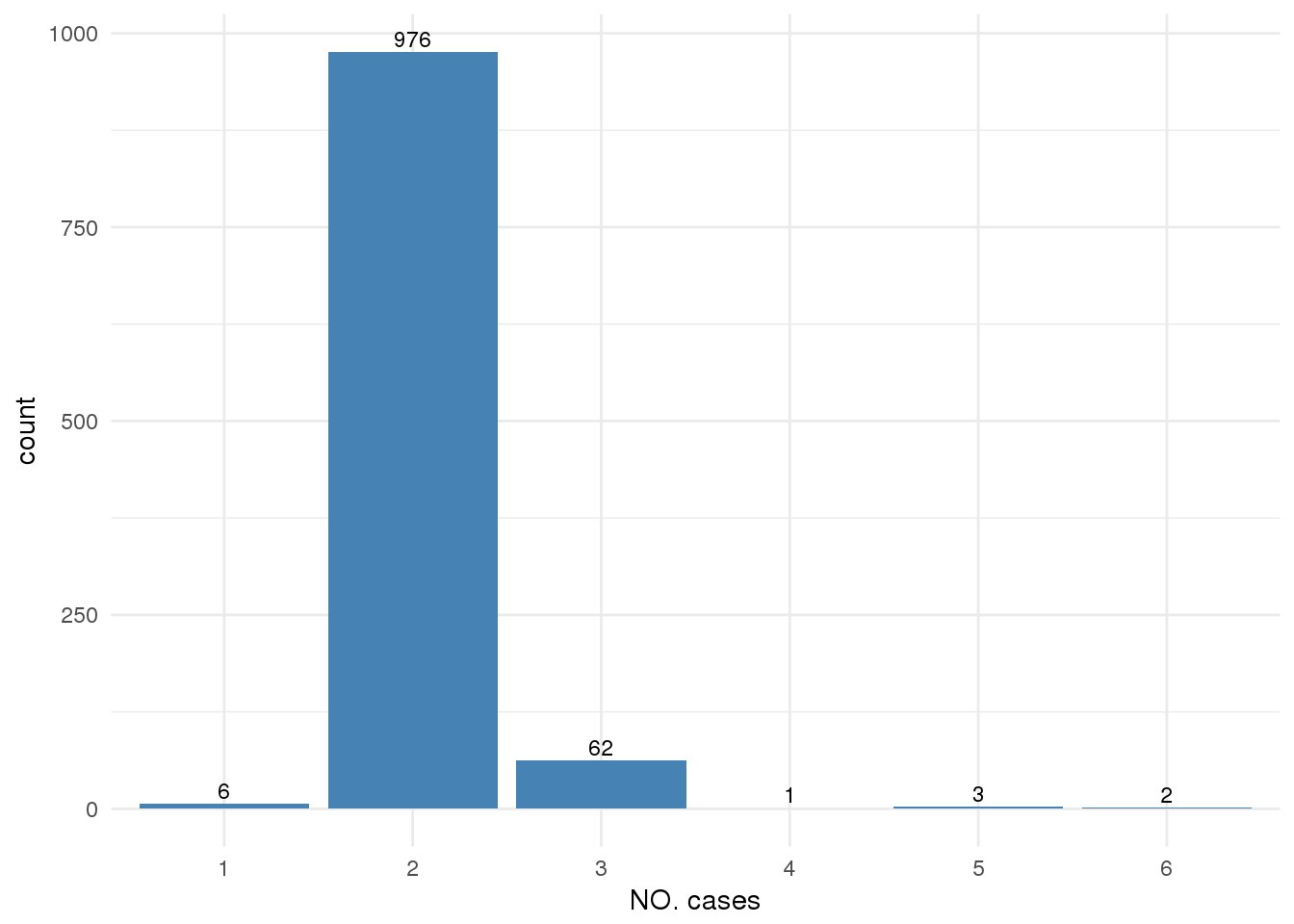
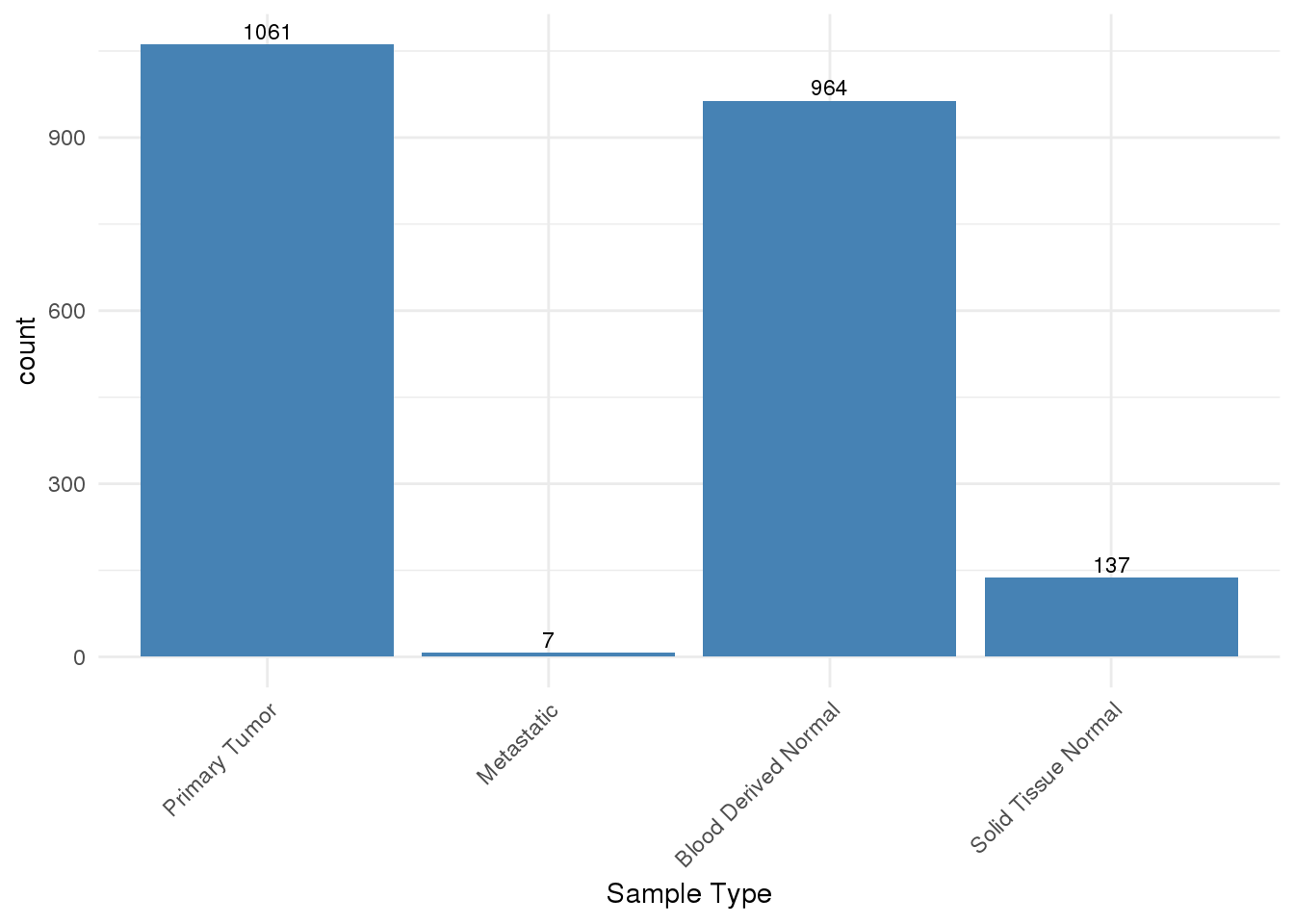
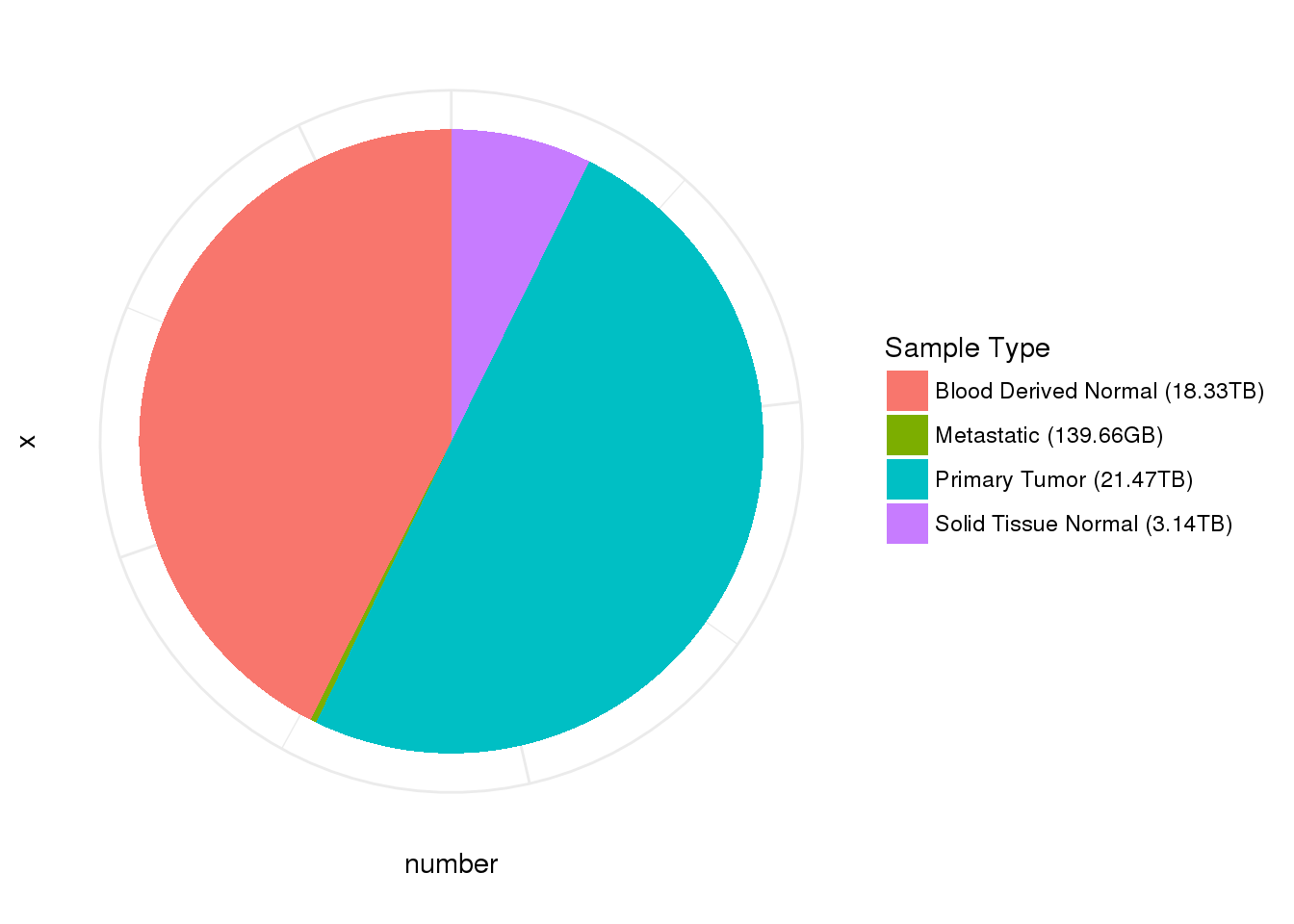
# Challenges

hi

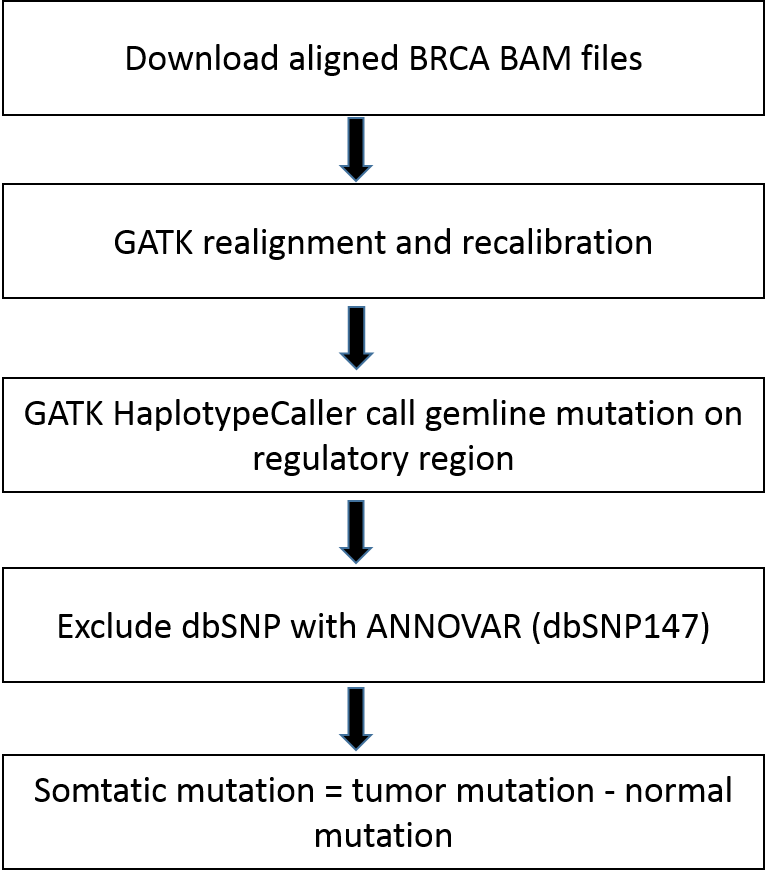
## Regulatory region

hi

## WXS data statistics

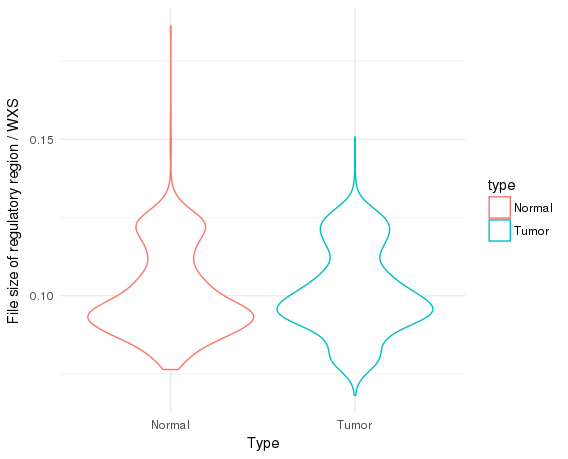
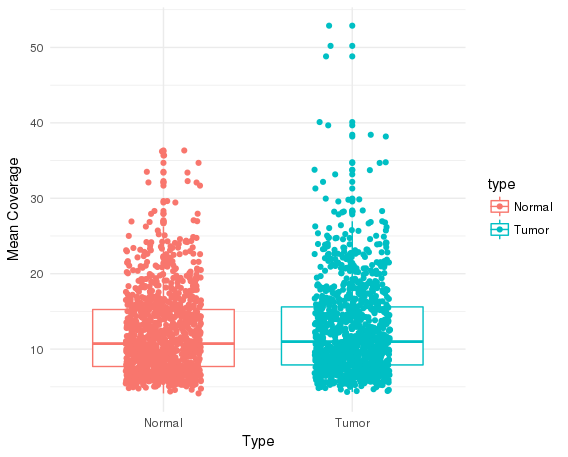
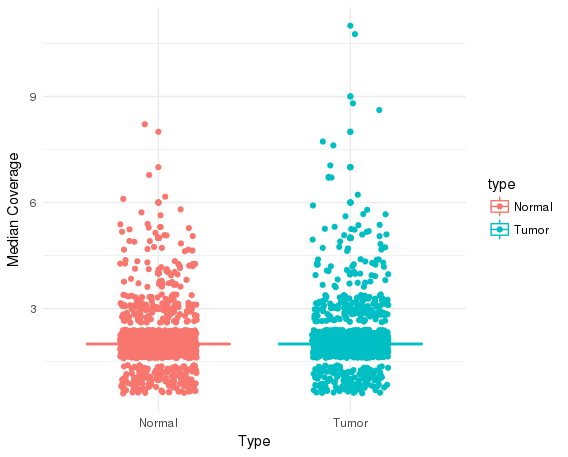
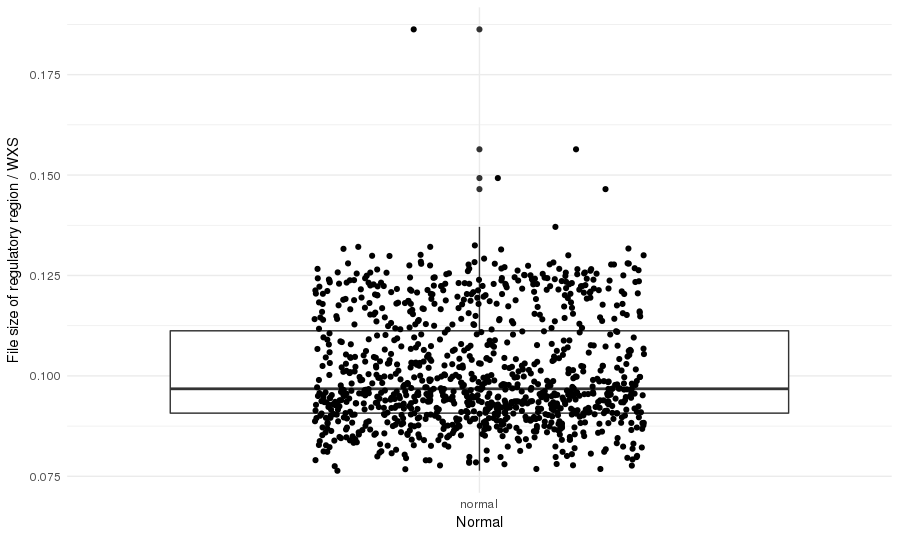
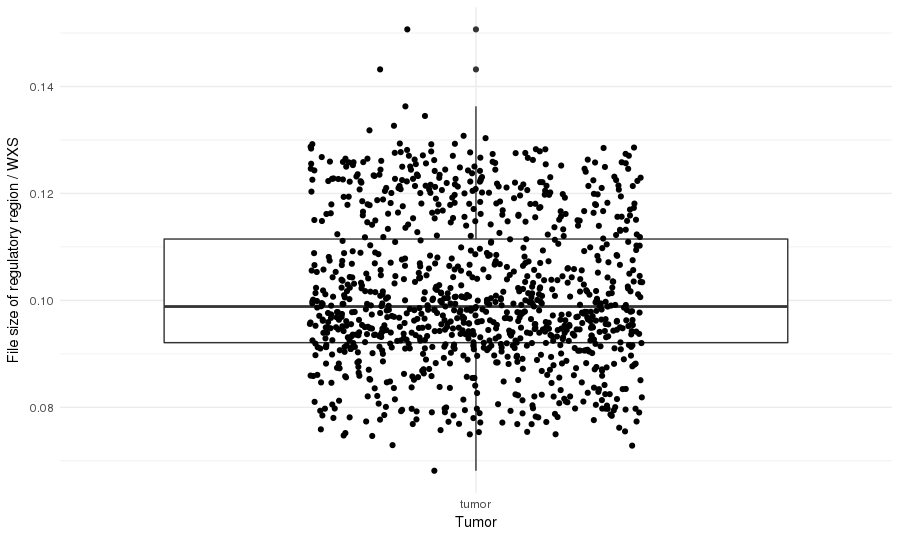
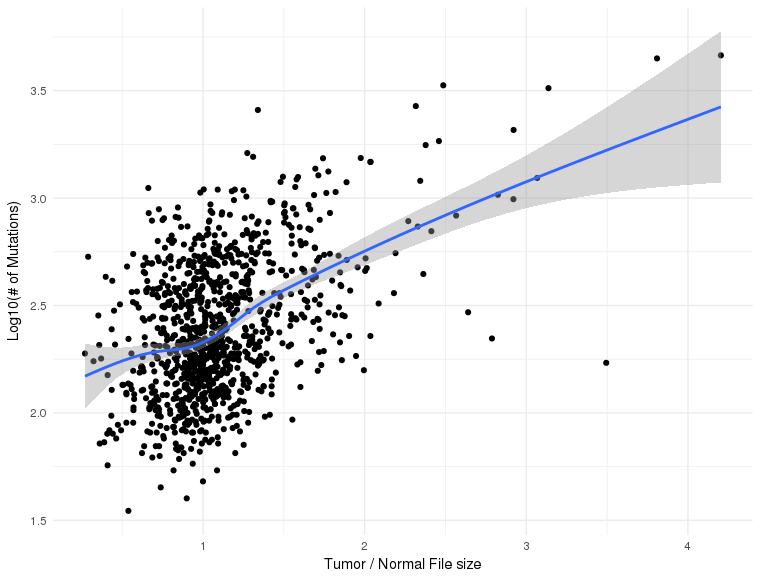
   hi

## Somatic calling

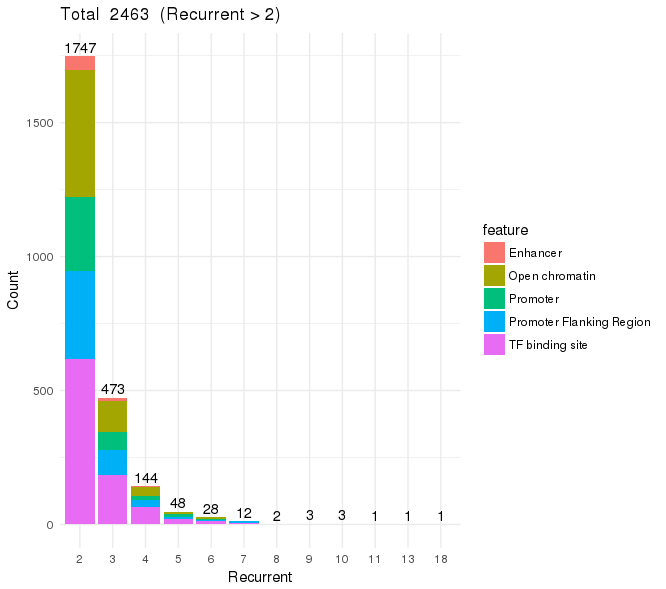
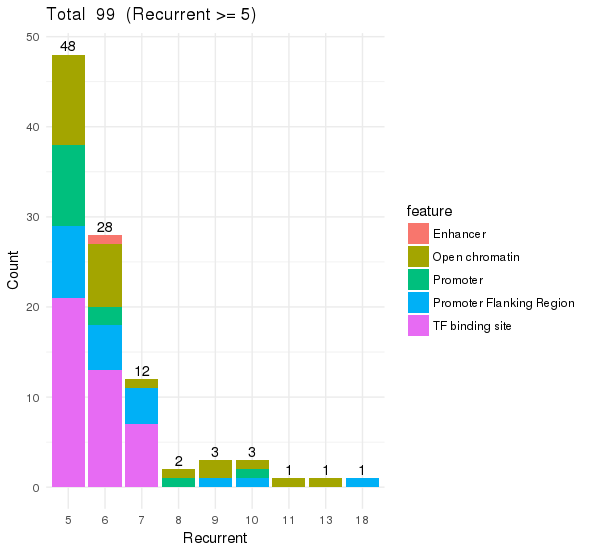
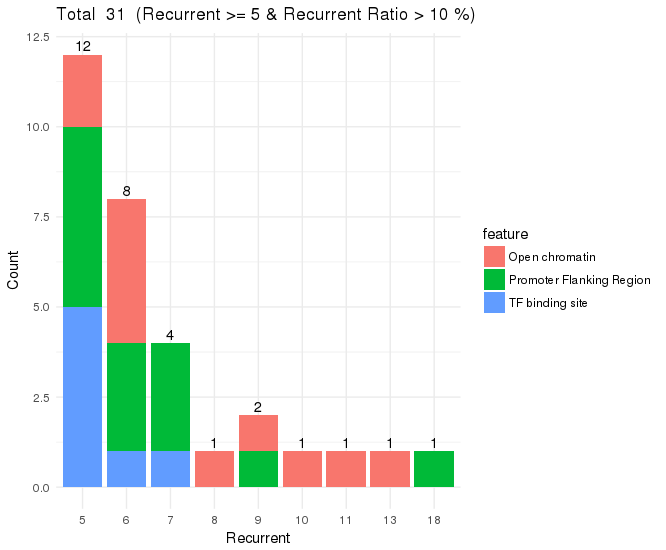
 hi

# Result

## WXS data

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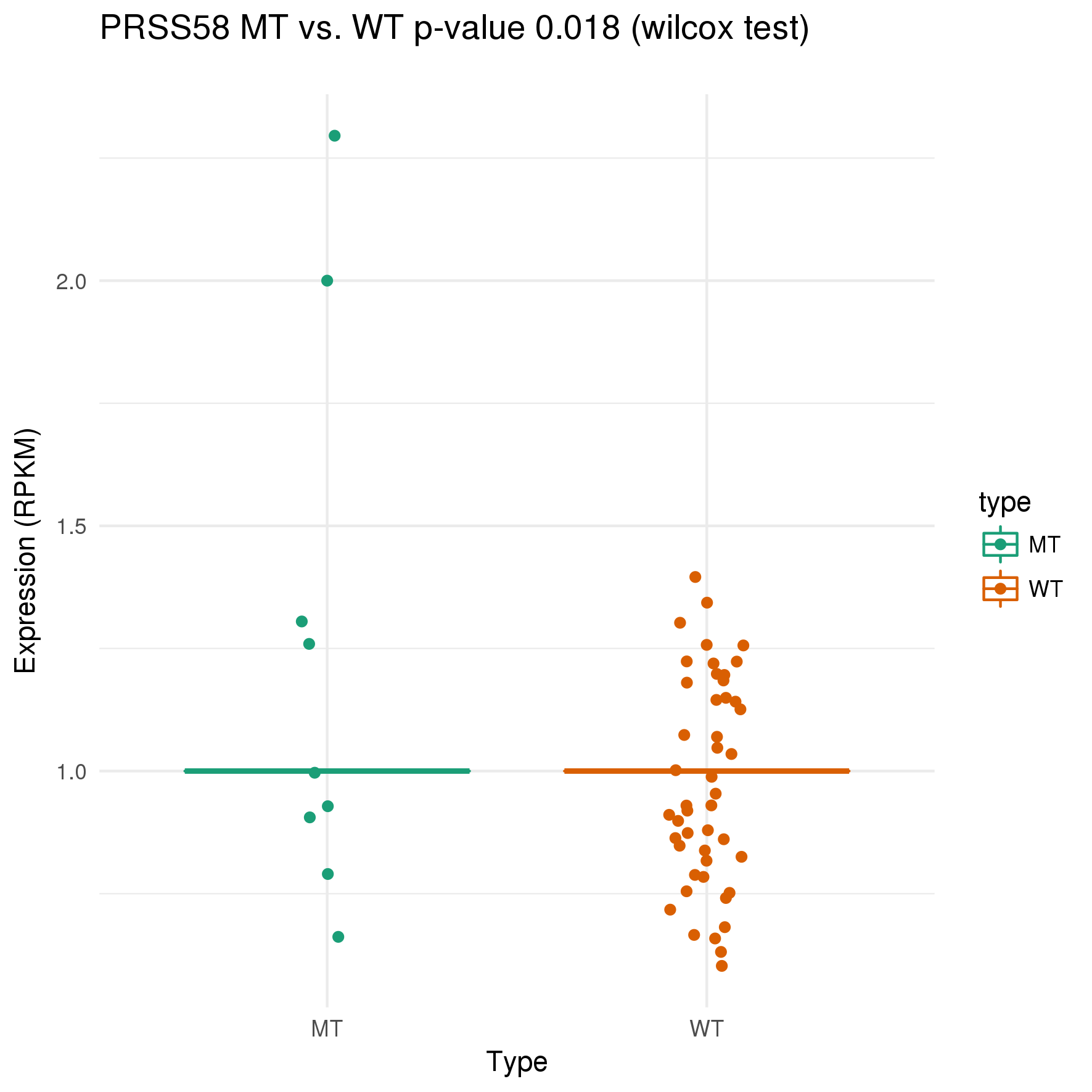
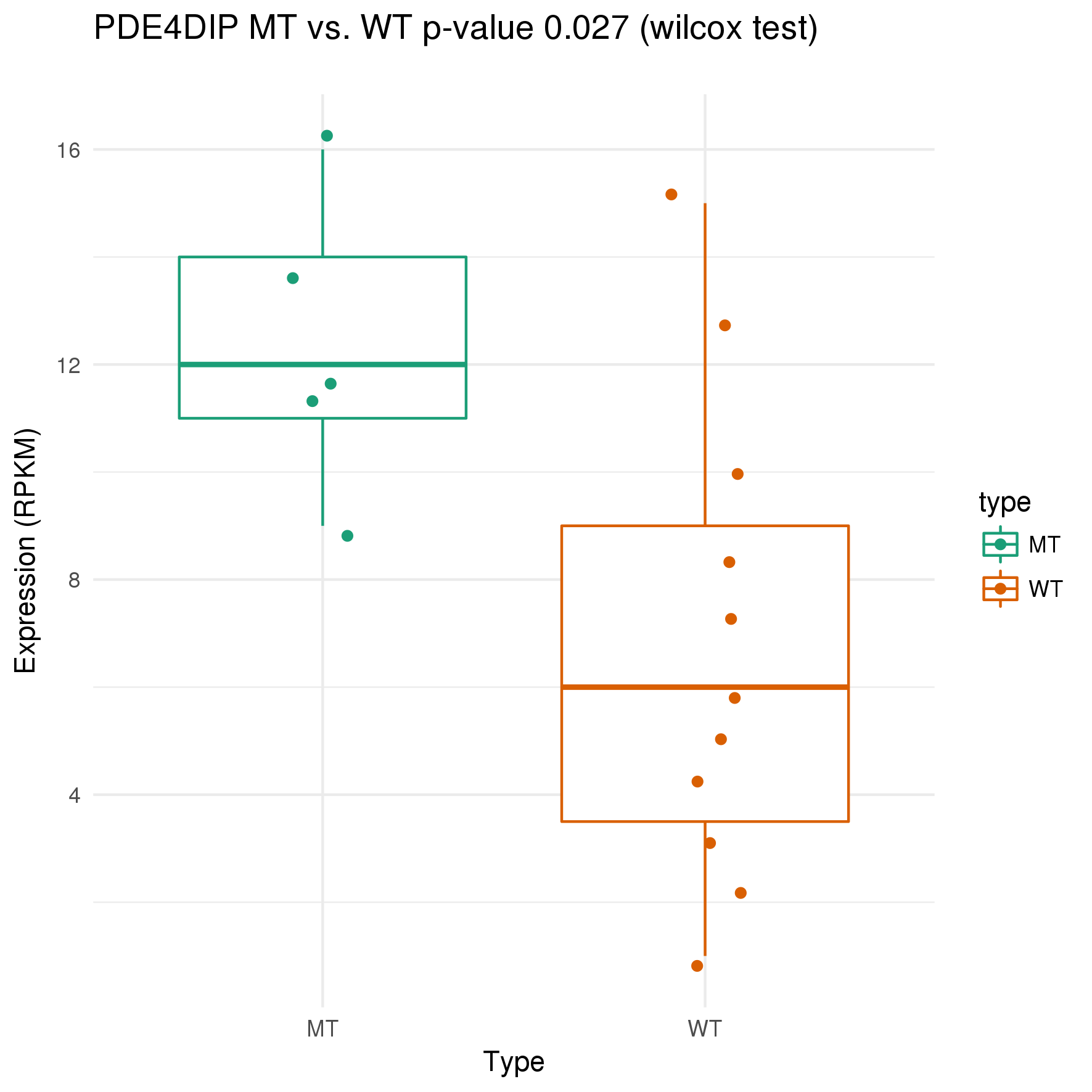
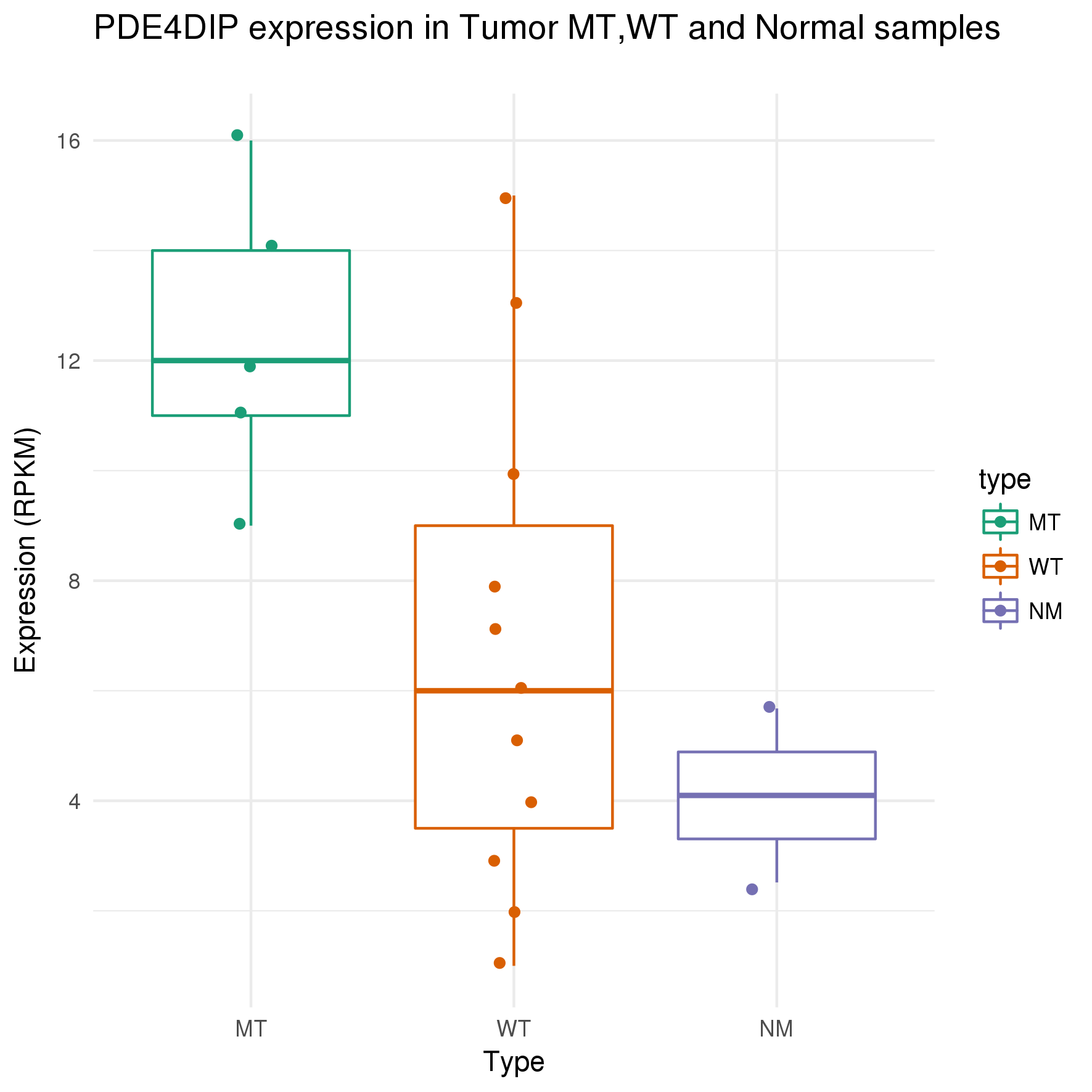
## Candidate mutation

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## Mutation target protein coding genes

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## Target genes expression

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## PDE4DIP

### RegulomeDB

hi

### Motif near PDE4DIP

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