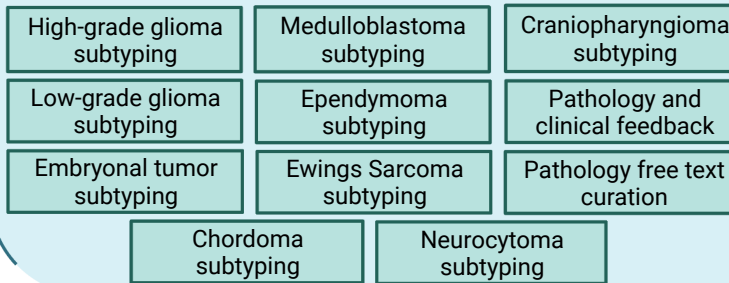


## Biospecimen collection



## Clinical metadata updates

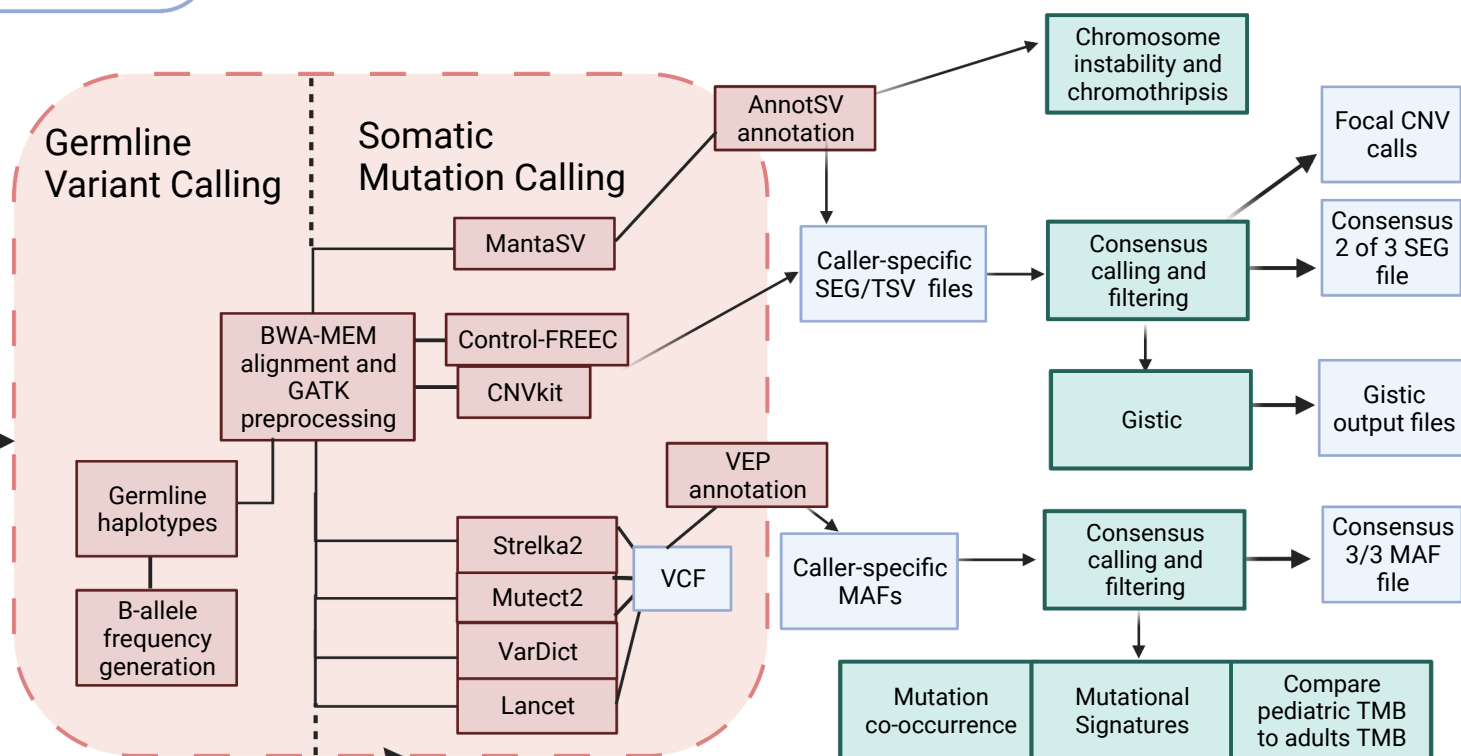


WHO 2016 classification, integrated research diagnosis, & harmonized diagnosis

Histology file

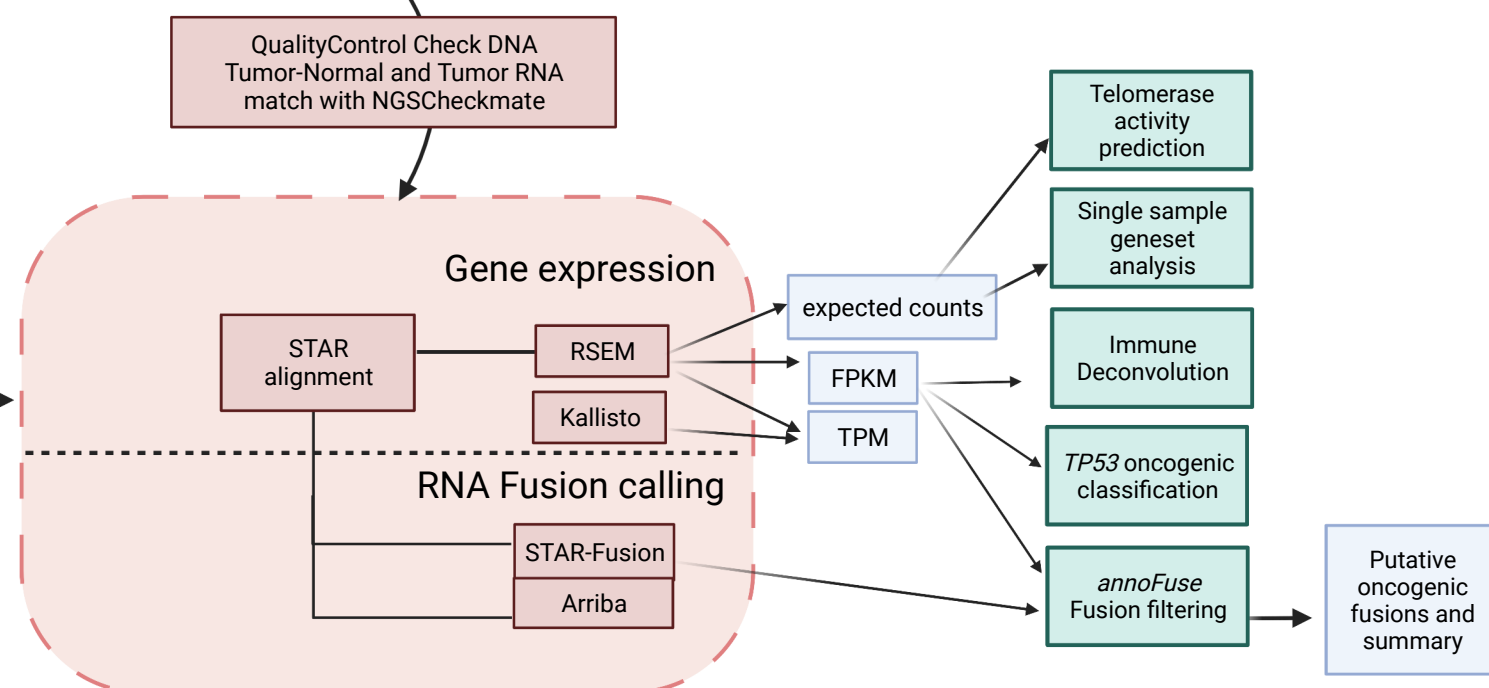
## Germline Variant Calling

## Somatic Mutation Calling



QualityControl Check DNA Tumor-Normal and Tumor RNA match with NGSCheckmate

## Gene expression



KFDRC pipeline

OpenPBTA analysis

Output files