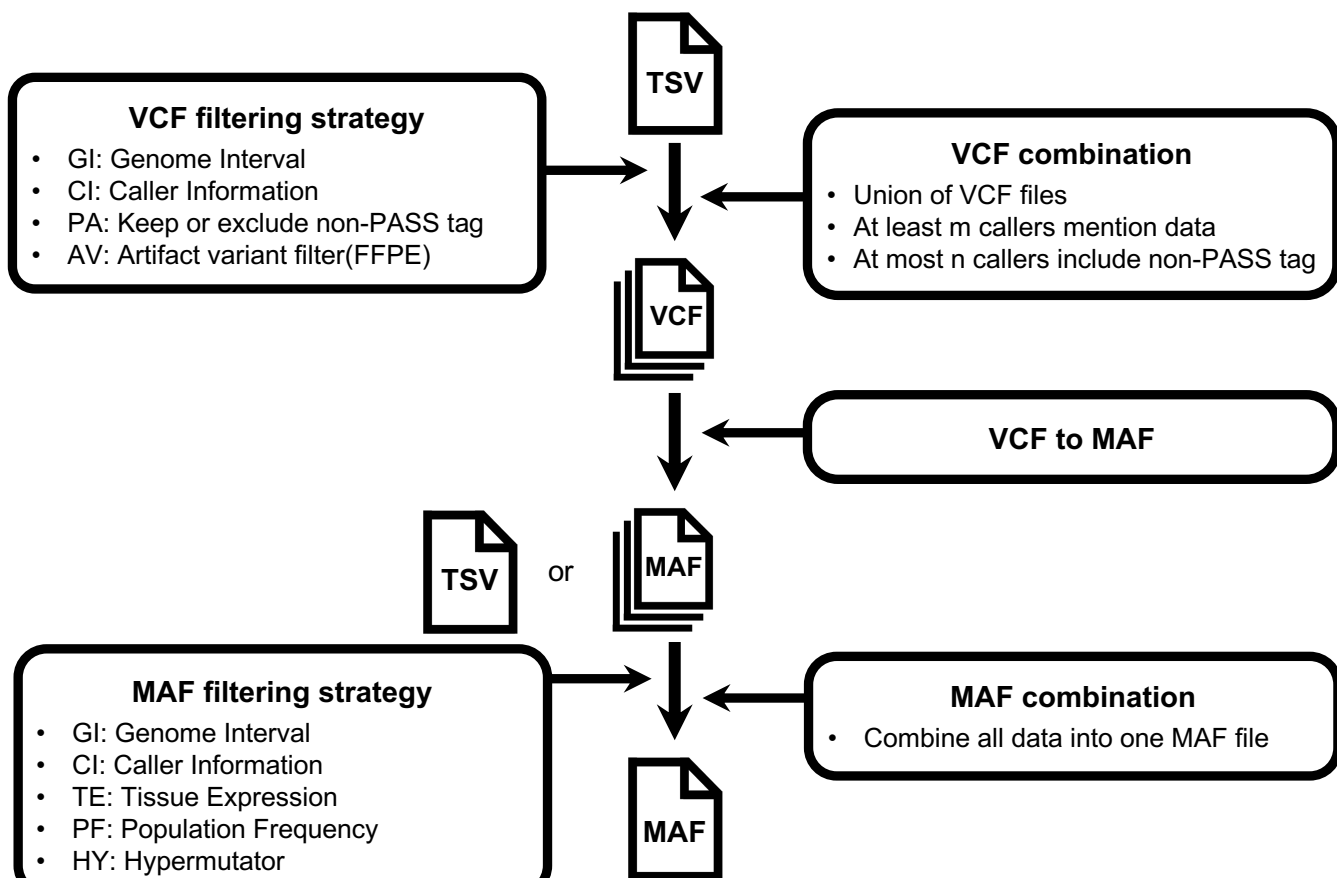


Data preprocessing



Analysis and visualization

1. Significantly mutated gene detection — *SigMutatedGeneDetection* [OncodriveCLUST]
2. Known cancer gene annotation — *KnownCancerGeneAnnotation*
3. Mutation burden statistics — *TotalMutationBurden*
4. CoMut plot analysis — *CoMutAnalysis*, *CoMutPlot* (**CoMut plot**)
5. Mutational signature — *MutationalSignature* (**Estimate plot, SBS plot, Bar plot, Heatmap, Donut plot**)
6. HRD score — *HRDScore* (**Pie plot, Bar plot**)
7. Whole-genome doubling(WGD) and Chromosome instability(CIN) — *WGDnCIN* (**Pie plot, Bar plot**)
8. Actionable mutation(drug) annotation — *OncoKBAnnotator* [oncokb-annotator] (**Pie plot, Bar plot**)