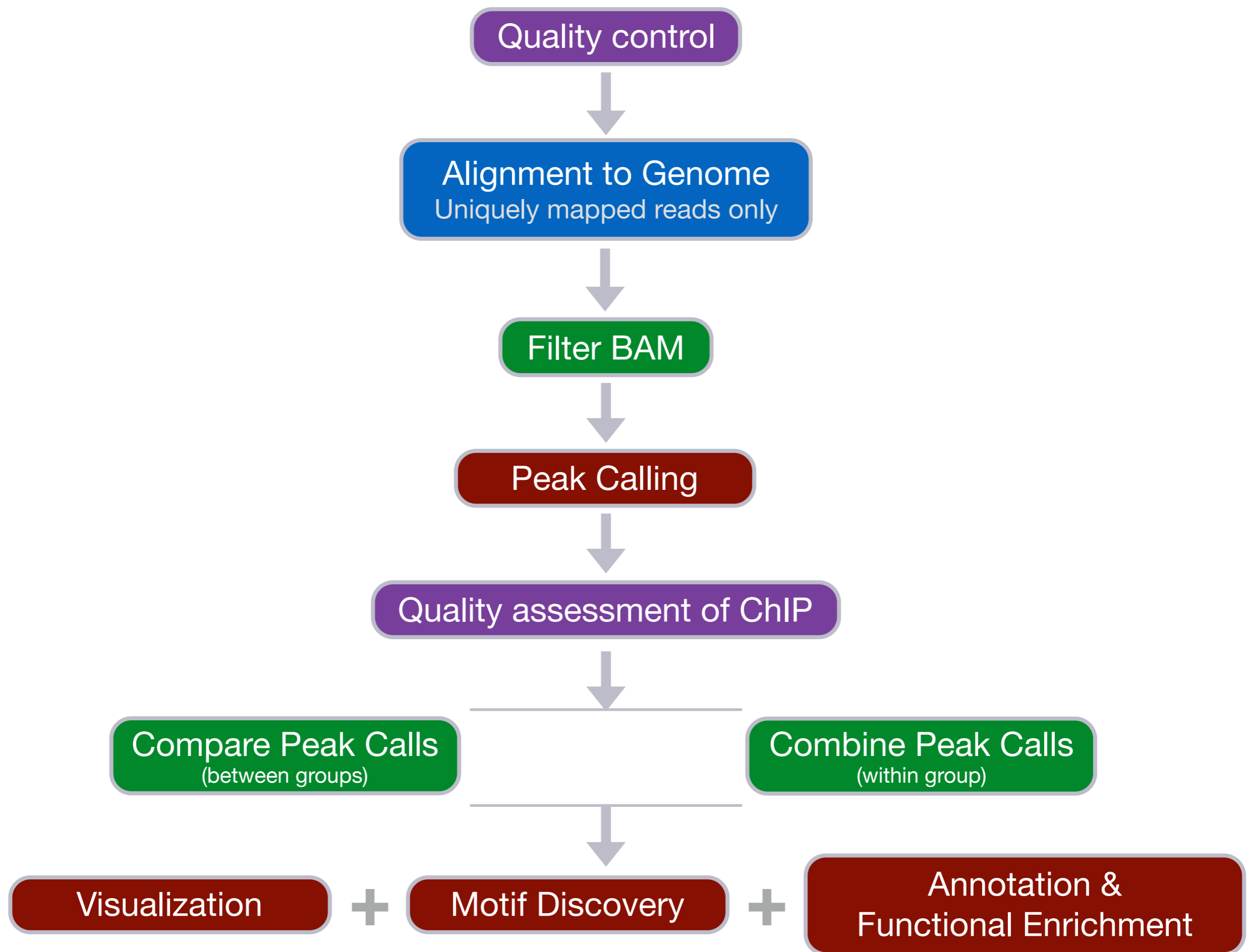
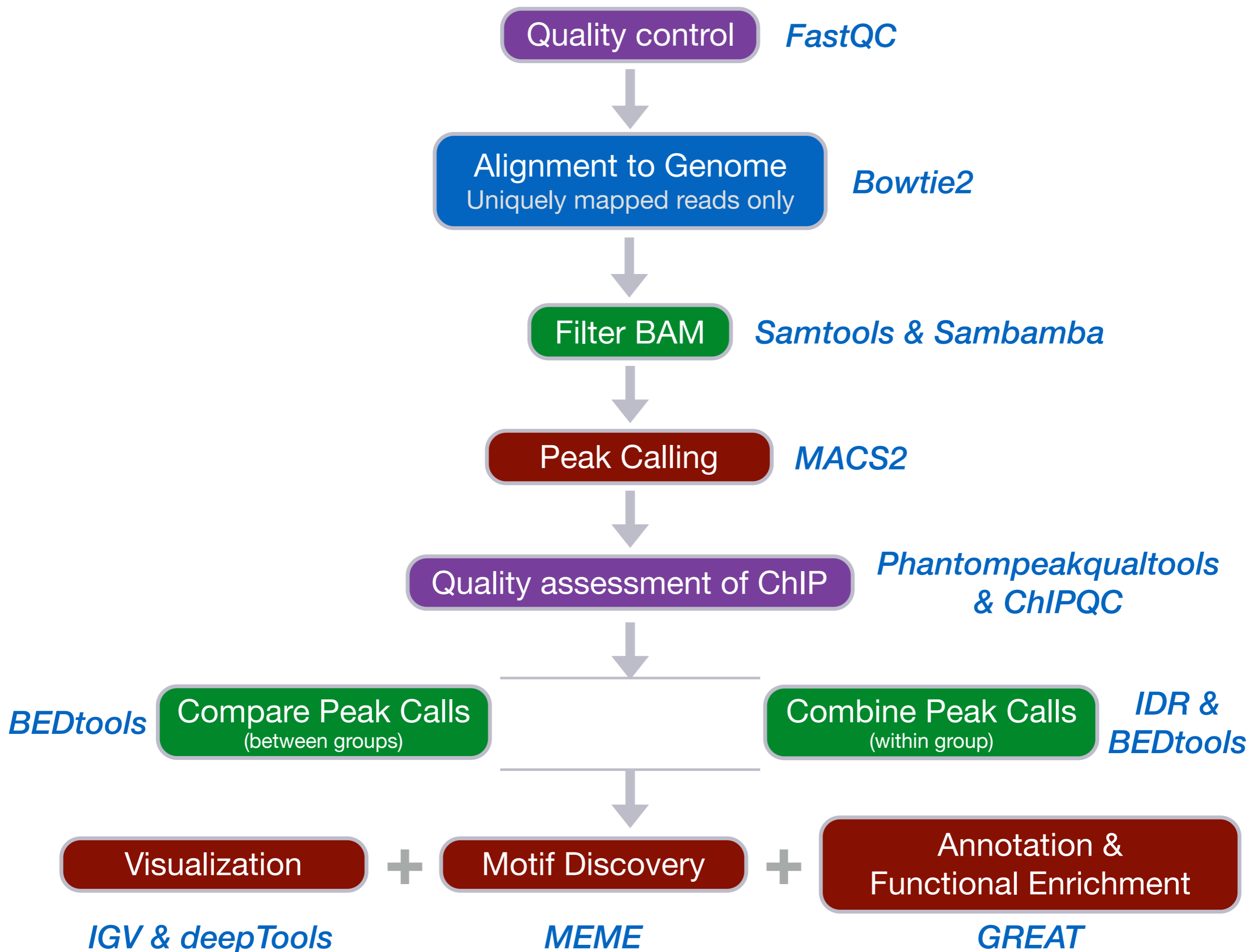


Workshop scope

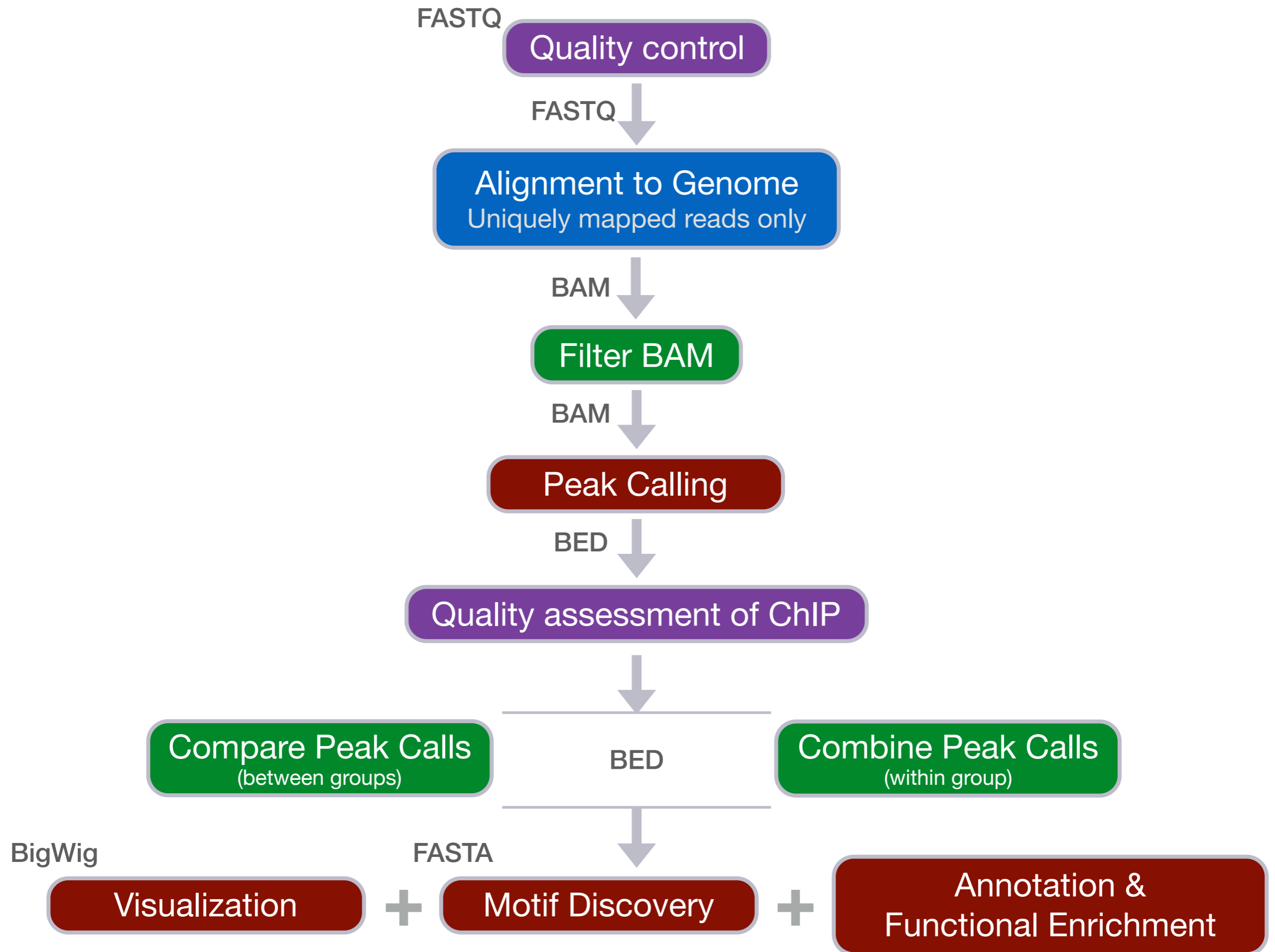
the workflow



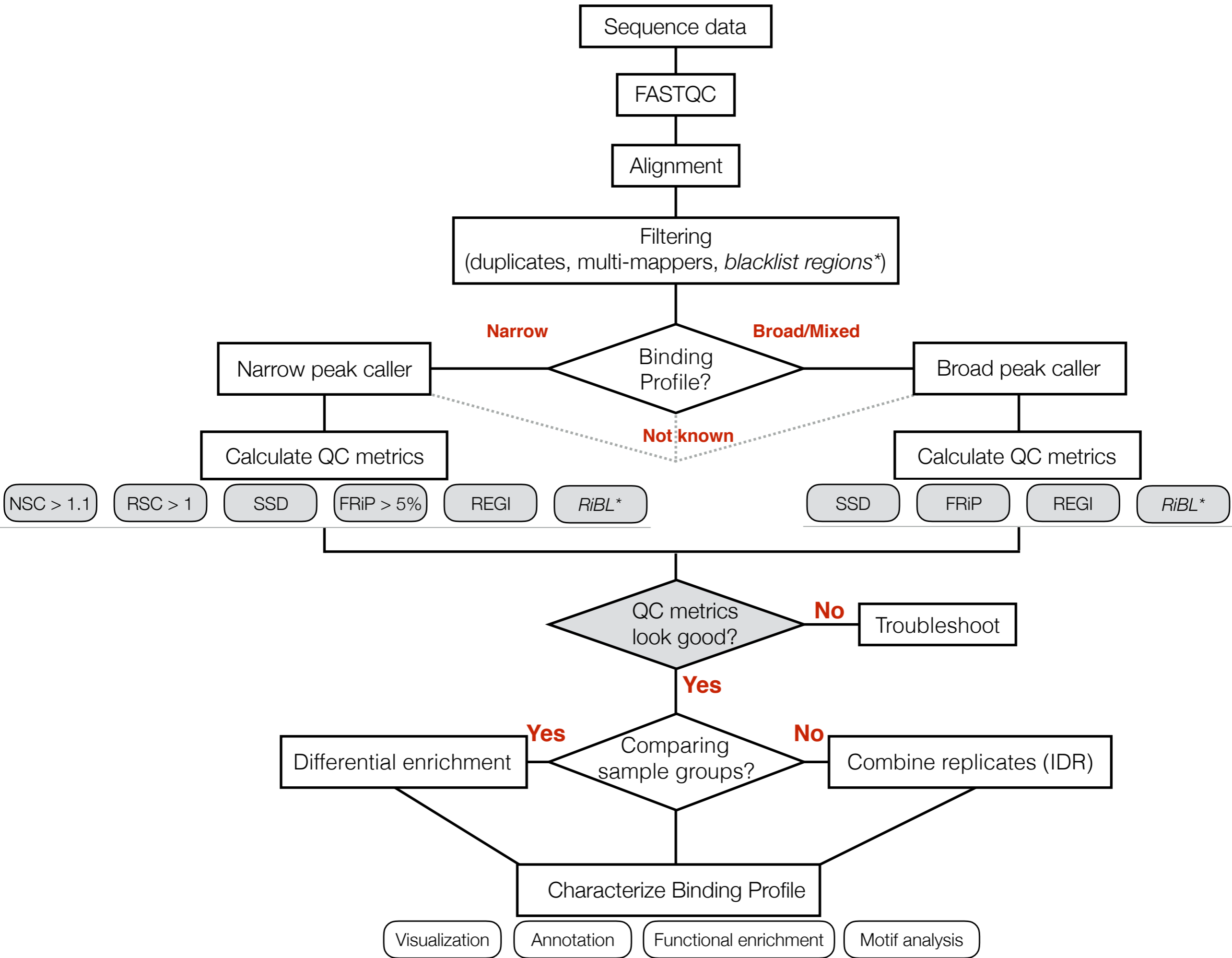
the toolkit



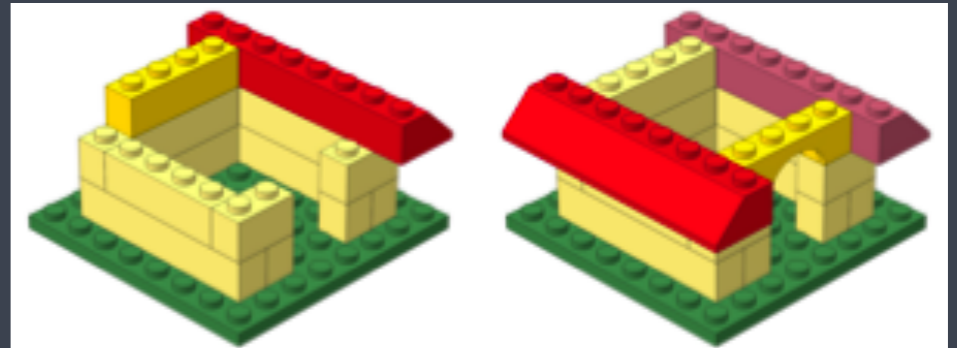
plug and play approach



the process



Learning Objectives



- ✓ Describe best practices for designing an ChIP-seq experiment
 - ✓ antibody characterization, replicates, sequencing depth, qPCR
- ✓ Describe steps in a typical ChIP-seq analysis workflow
 - ✓ the appropriate tools and configurations
 - ✓ decisions to consider at every step in the workflow
- ✓ Use HMS-RC's O2 compute cluster to efficiently run the ChIP-seq workflow from sequence reads to peak calls, including QC and visualization.