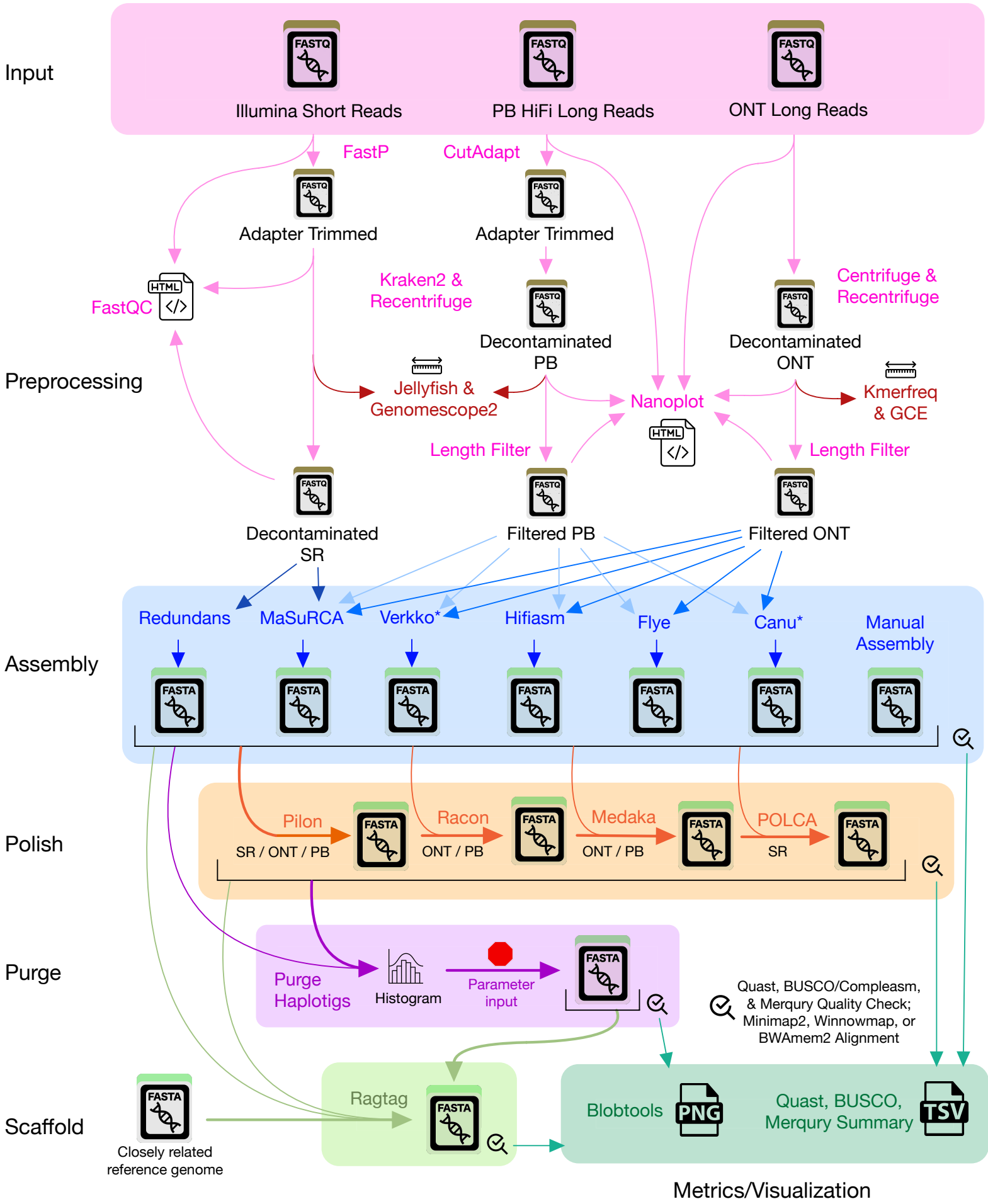
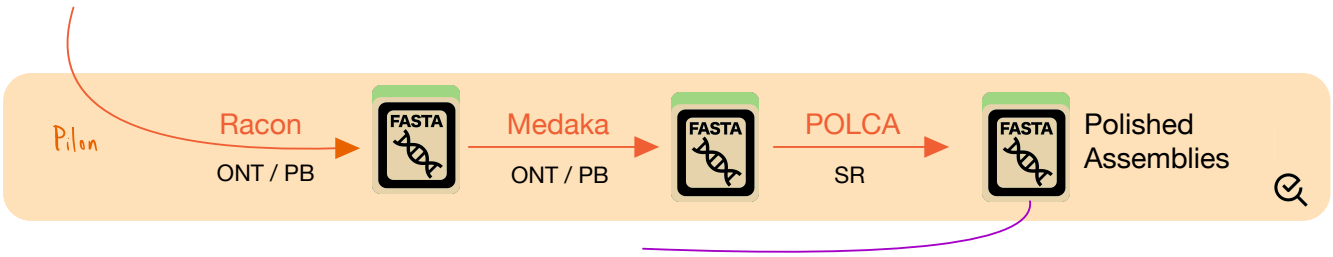
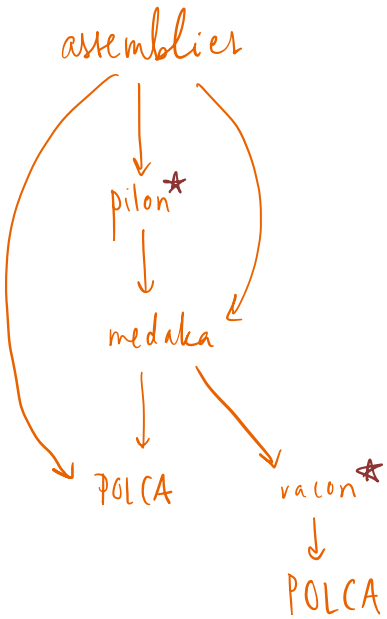

Input
Illumina Short Reads
PB HiFi Long Reads
ONT Long Reads
FastP
CutAdapt
Adapter Trimmed
Adapter Trimmed
FastQC
Kraken2 & Recentrifuge
Centrifuge & Recentrifuge
Decontaminated PB
Decontaminated ONT
Preprocessing
Jellyfish & Genomescope2
Nanoplot
Kmerfreq & GCE
Length Filter
Length Filter
Decontaminated SR
Filtered PB
Filtered ONT
Assembly
Redundans
MaSuRCA
Verkko*
Hifiasm
Flye
Canu*
Manual Assembly
Polish
Pilon
SR / ONT / PB
Racon
ONT / PB
Medaka
ONT / PB
POLCA
SR
Purge
Purge Haplotigs
Histogram
Parameter input
Quast, BUSCO/Compleasm, & Merqury Quality Check; Minimap2, Winnowmap, or BWAmem2 Alignment
Scaffold
Ragtag
Blobtools
PNG
Quast, BUSCO, Merqury Summary
TSV
Closely related reference genome
Metrics/Visualization



Read QC

Filtering

Genome Size
Estimate



* index required from QC 1