## TheXValidator

#### Input and results

Input:

ONT based SV callset using cuteSV

hg37

TrioCanu assemblies.

#### Method:

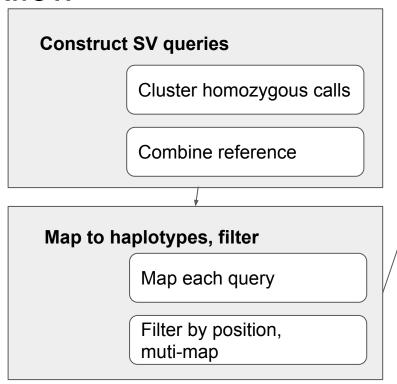
For each SV defined by chrom, pos, variant:

Construct a query as: ref[chrom][pos-prefix:pos] + SV + ref[chrom][pos:pos+suffix]

Query: suffix

Map all queries to hap1 and hap2 assemblies.

#### Workflow



### Select best alignment from haplotypes, refine breakpoints

Find "solid" flanking region around SV.

Compare SV Length

Compare SV Sequence (ins)

# Truvari annotation of variants.

