## Variant-calling metrics by read type and assembler SNP sens 1.0 0.91 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 SNP prec 1.0 1.0 0.037 0.14 0.45 0.82 0.82 0.59 0.085 1.0 1000 SNP errors 100 10 0 indel sens 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 0.55 0.60 0.21 0.18 1.0 indel prec 0.18 0.15 0.040 100 Indel errors 10 0 ONT Illu-Shovill Uni-**SKESA** Canu Flye Raven Uni-Hymina cycler cycler bracter Hybrid Read-based Short-read Long-read assemblies assemblies assemblies

false negatives false

positives