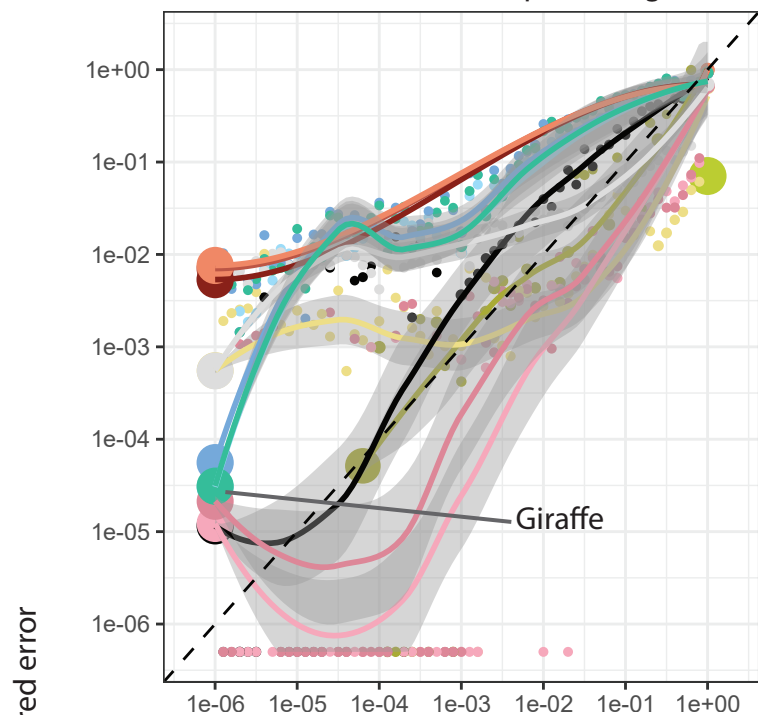
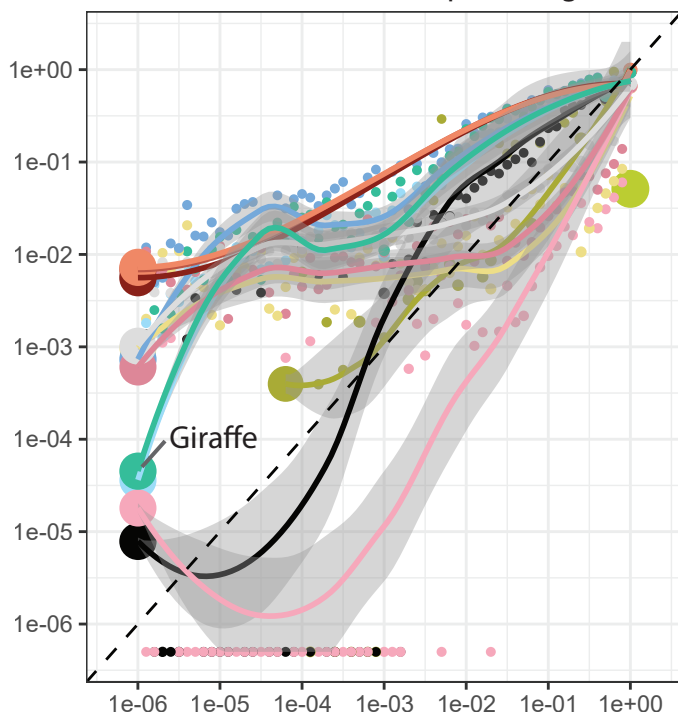


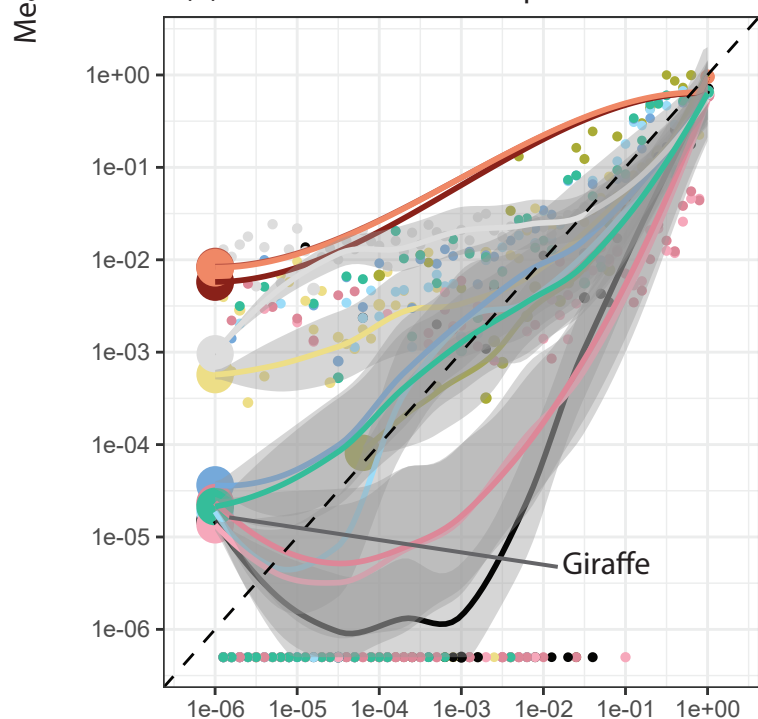
(A) 1000GP/GRCh38 Hiseq2500 Single End



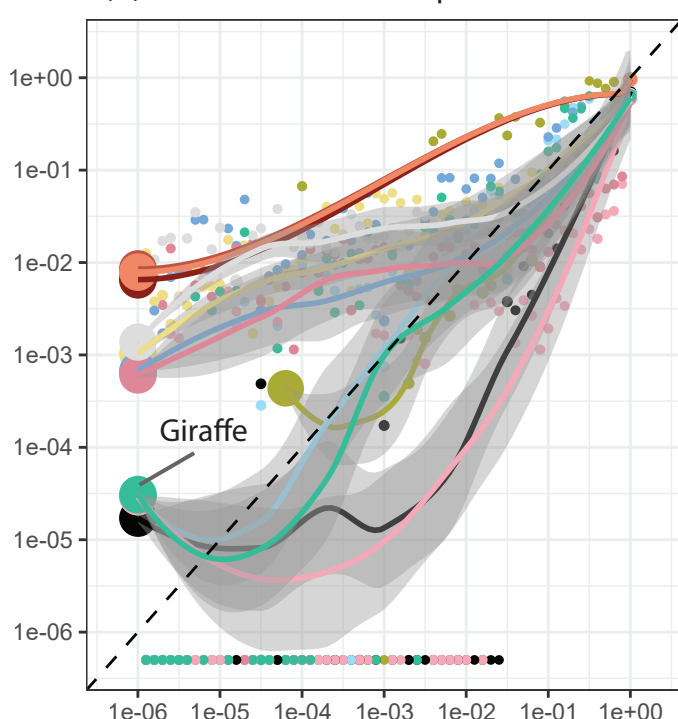
(B) HGSVC/GRCh38 Hiseq2500Single End



(C) 1000GP/GRCh38 Hiseq2500 Paired End



(D) HGSVC/GRCh38 Hiseq2500 Paired End



Error Estimate

Giraffe

VG-MAP

Bowtie2

HISAT2

Giraffe primary

VG-MAP primary

BWA-MEM

HISAT2 sensitive

fast Giraffe

GraphAligner

Minimap2

HISAT2 very sensitive

Giraffe control

● 250000

● 500000

● 750000