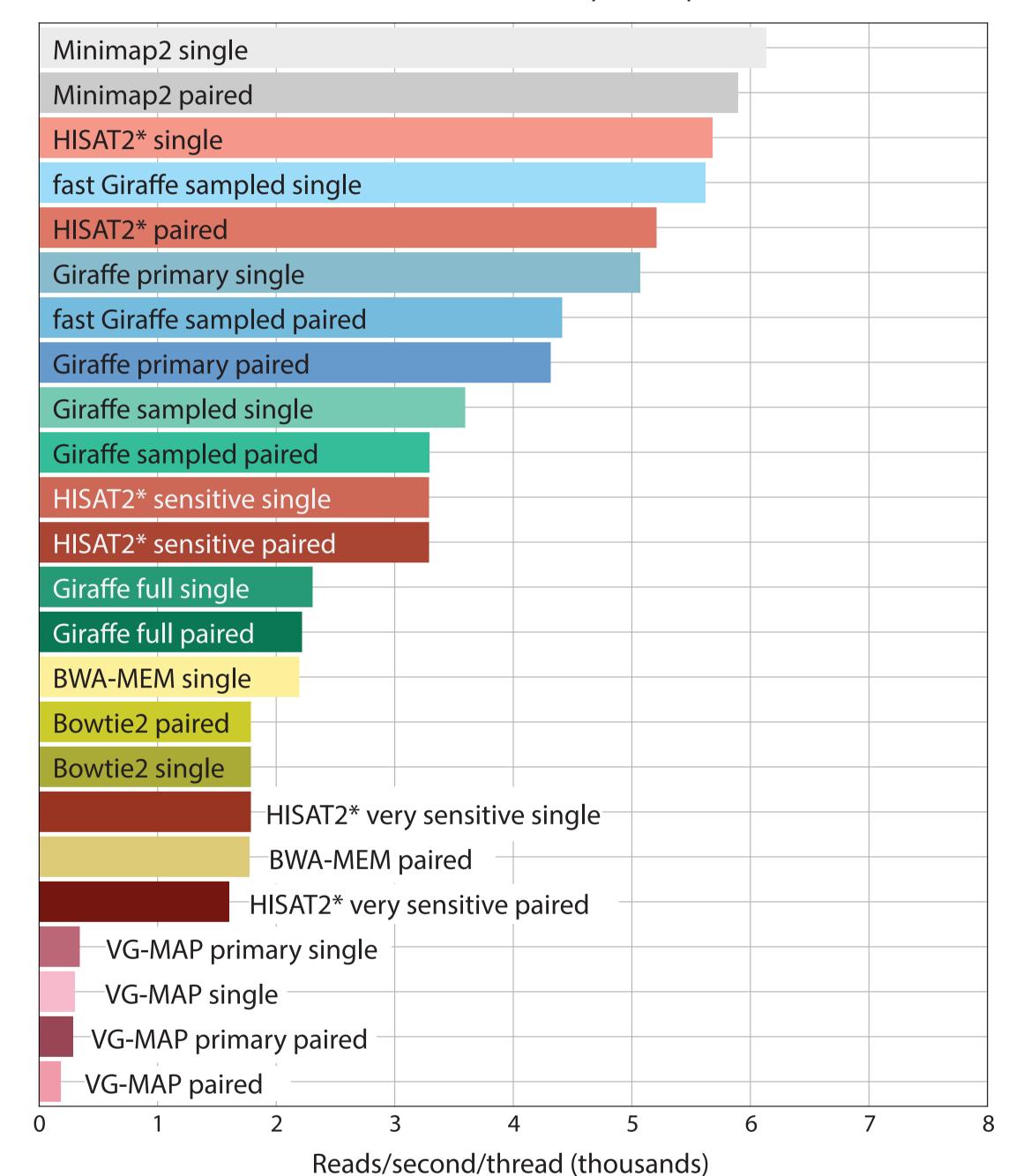
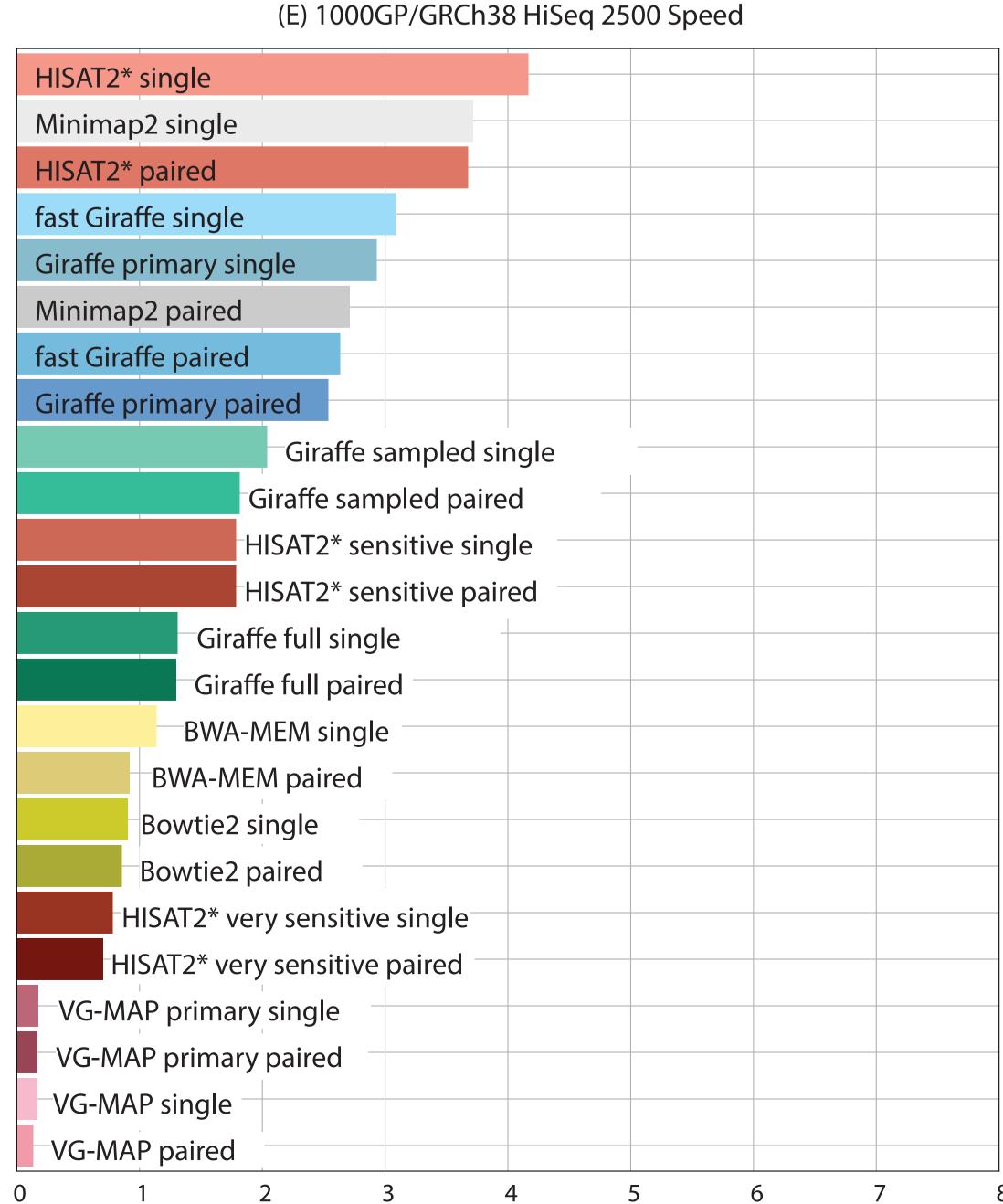


(C) 1000GP/GRCh38 HiSeq X Ten Speed

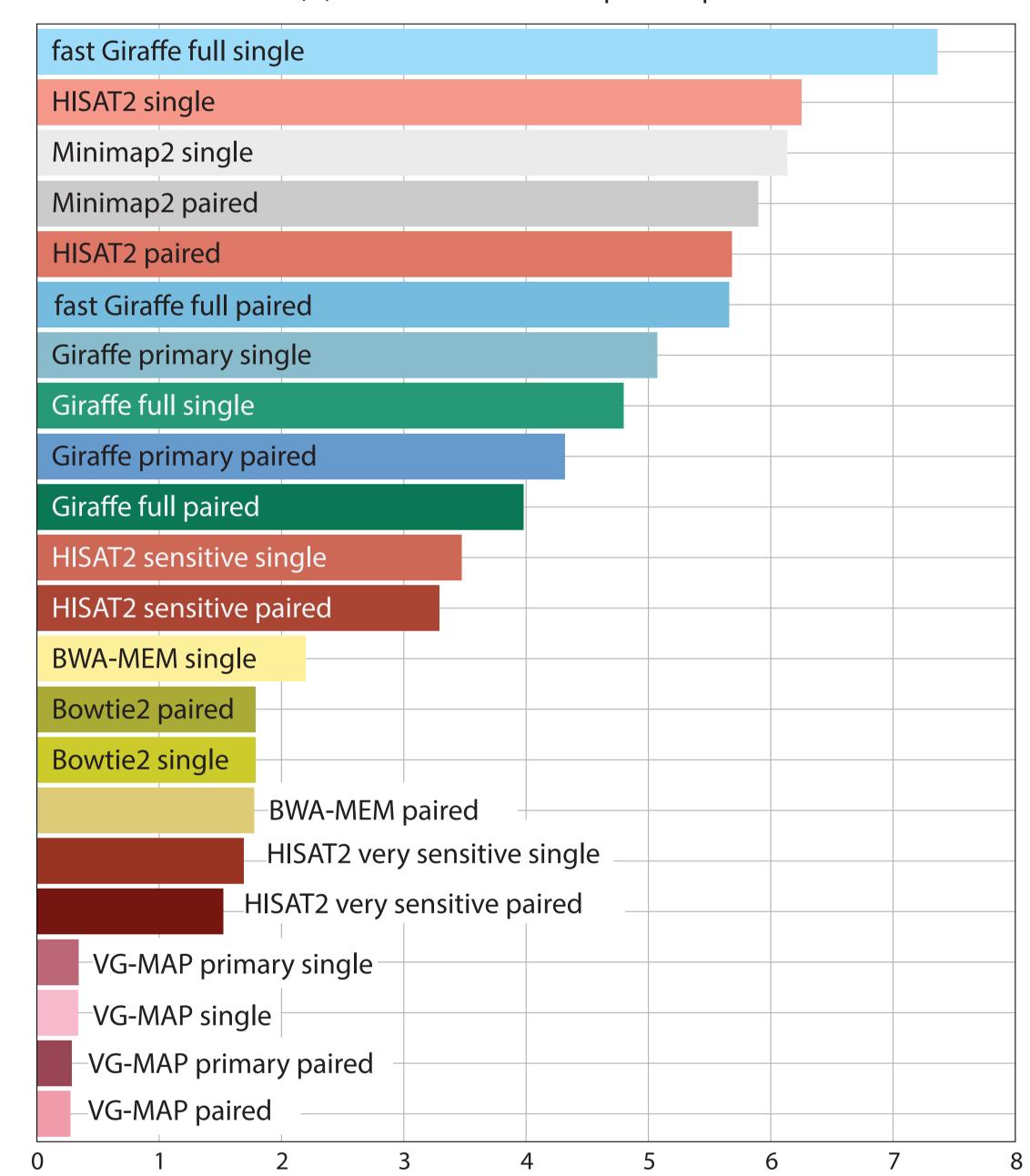




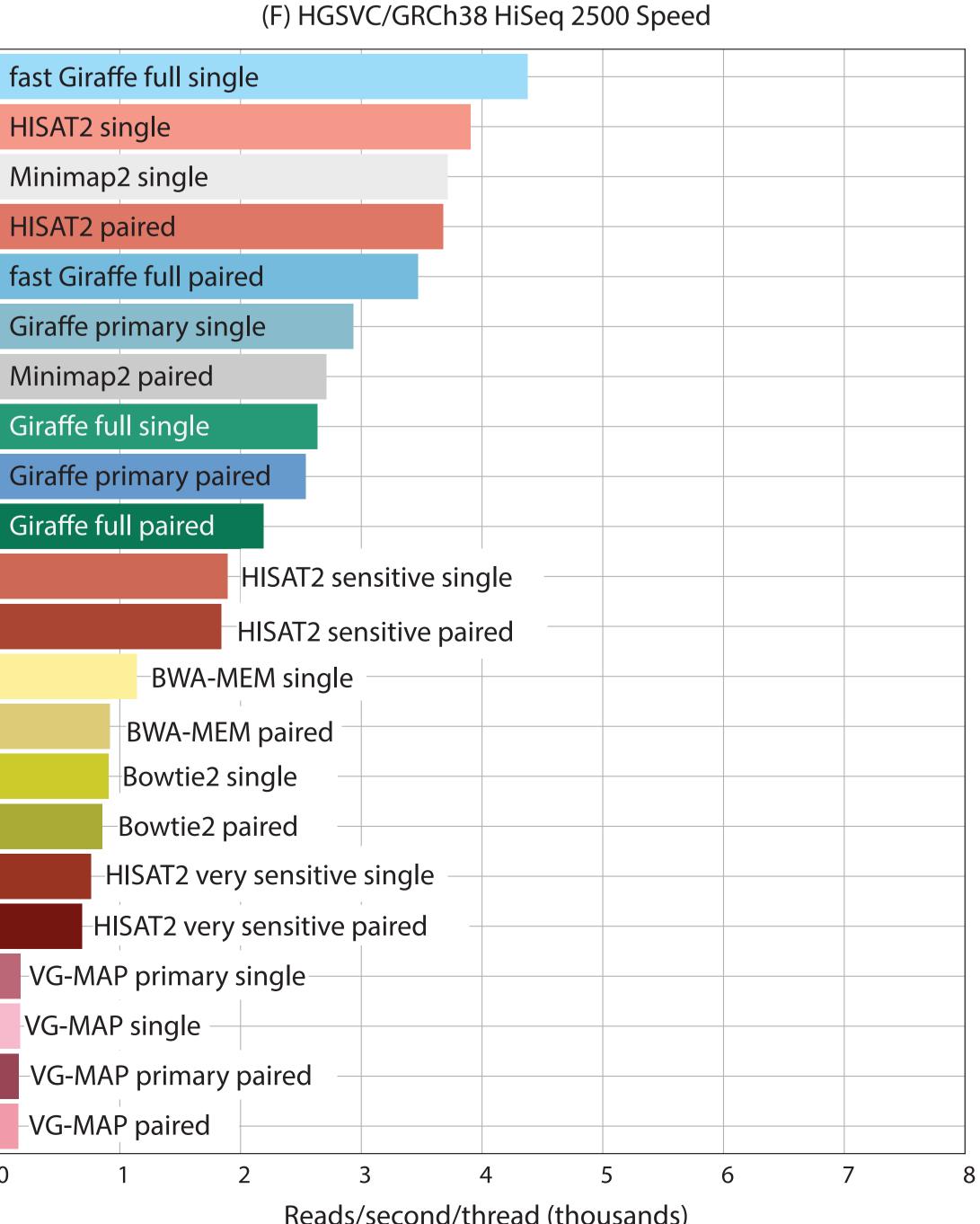
Reads/second/thread (thousands)

fast Giraffe full single fast Giraffe full paired HISAT2 single HISAT2 paired Giraffe full single Giraffe primary single Minimap2 single Giraffe full paired Giraffe primary paired Minimap2 paired HISAT2 sensitive single HISAT2 sensitive paired BWA-MEM single **BWA-MEM** paired HISAT2 very sensitive single HISAT very sensitive paired Bowtie2 single Bowtie2 paired -VG-MAP primary single-VG-MAP single VG-MAP primary paired VG-MAP paired Reads/second/thread (thousands)

(D) HGSVC/GRCh38 HiSeq X Ten Speed



Reads/second/thread (thousands)



Reads/second/thread (thousands)