$2.4~\mathrm{GHz}$  AMD Opteron 850 server with  $32~\mathrm{GB}$  of RAM

	CPU Time	Wall clock time	Bowtie Speedup	Reads mapped
Bowtie -n 1	10m:24s	11m:06s	-	71.6%
Maq -n 1	10h:52m:00s	10h:52m:52s	58.8x	70.3%
Soap -v 1	61h:13m:03s	61h:02m:22s	329.9x	64.5%
Bowtie	20m:48s	21m:16s	-	75.3%
Maq	$32\mathrm{h}{:}56\mathrm{m}{:}53\mathrm{s}$	$32\mathrm{h}{:}58\mathrm{m}{:}39\mathrm{s}$	93.0x	73.8%
Soap	107h:23m:44s	107h:12m:28s	302.5x	70.6%

Table 1: CPU time for mapping 8.96M 35bp Illumina/Solexa reads against the whole human genome on a server with a 2.4 GHz AMD Opteron 850 processor and 32 GB of RAM. Reads were originally extracted as part of the 1000-Genomes project pilot. They were downloaded from the NCBI Short Read archive, accession #SRR001115. Reference sequences were the contigs of Genbank human genome build 36.3. Soap was not run against the whole-human reference because its memory footprint exceeds physical RAM. For the Maq runs, the reads were first divided into chunks of 2M reads each, as per the Maq Manual.