

# Illumina vs. AVITI

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We performed sequencing experiments on identical samples from the same donor (Baby 2, B002). In one experiment, Illumina was used; in the other, AVITI.

## 1 Sequencing quality

## 2 Variant calling

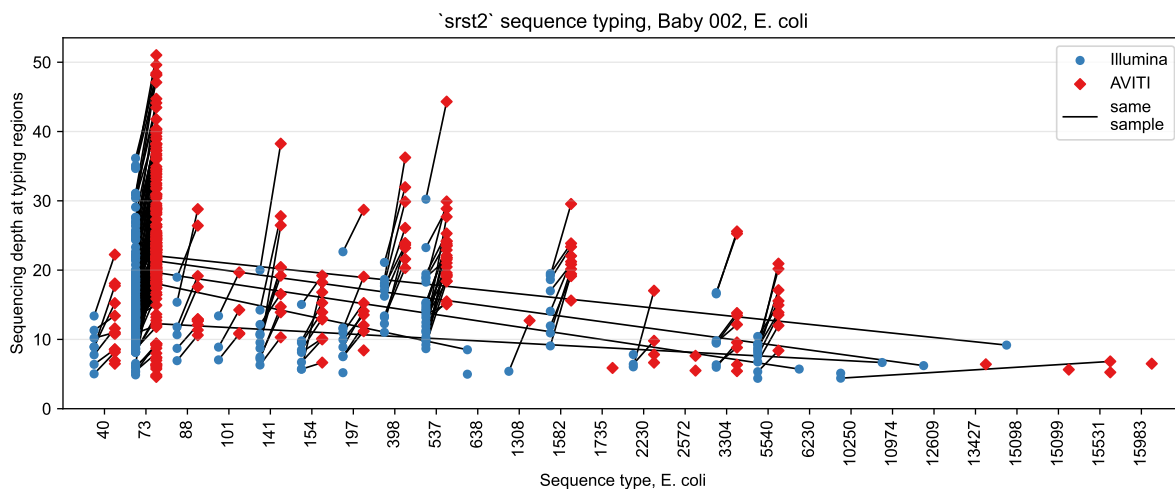
## 3 Sequence typing

We did sequence typing for *E. coli* (MLST name *Escherichia coli*#1) using software *srst2* and with CLI pseudocode:

```
srst2 --input_pe {trimmed reads} --mlst_* '{Escherichia_coli#1}'
```

We found

- (ST)73 is the dominant type
- Results are nearly identical between platforms
- AVITI (×) has higher depth at core genes used for typing



## 4 Reconstructing phylogenies of dominant STs

## 5 Appendix

Code to reproduce is available at [/raven/u/thosi/dev/projects/seqcomp](#).