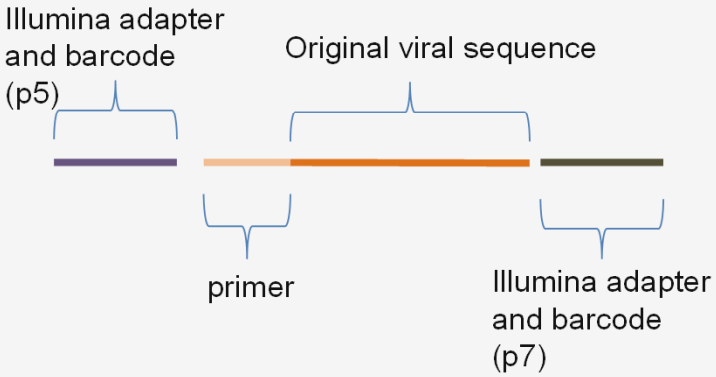
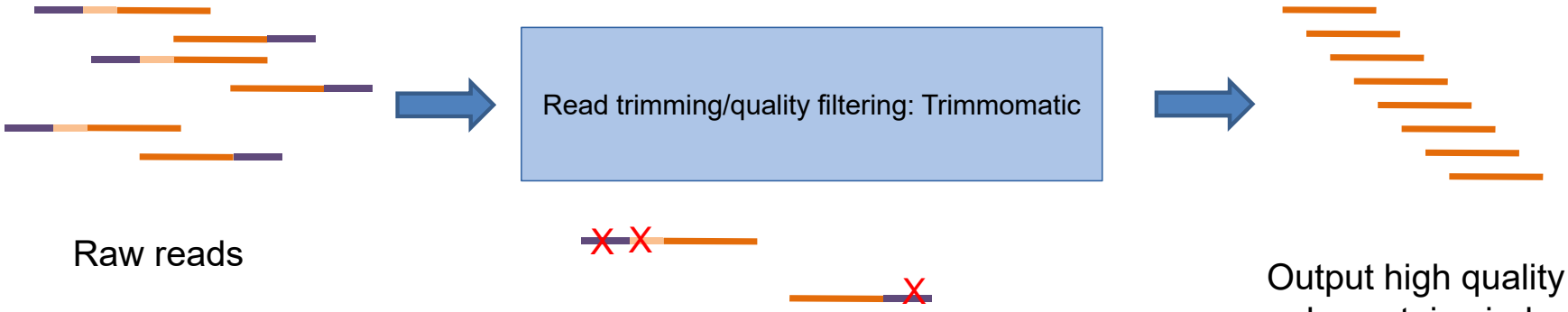
Library Preparation



Add Illumina adapters, which are DNA sequences necessary for sequencing on the Miseq.

- **Remember that sequences were added during sample and library preparations that are not part of the original viral sequence.**
- **We need to remove those sequences now.**

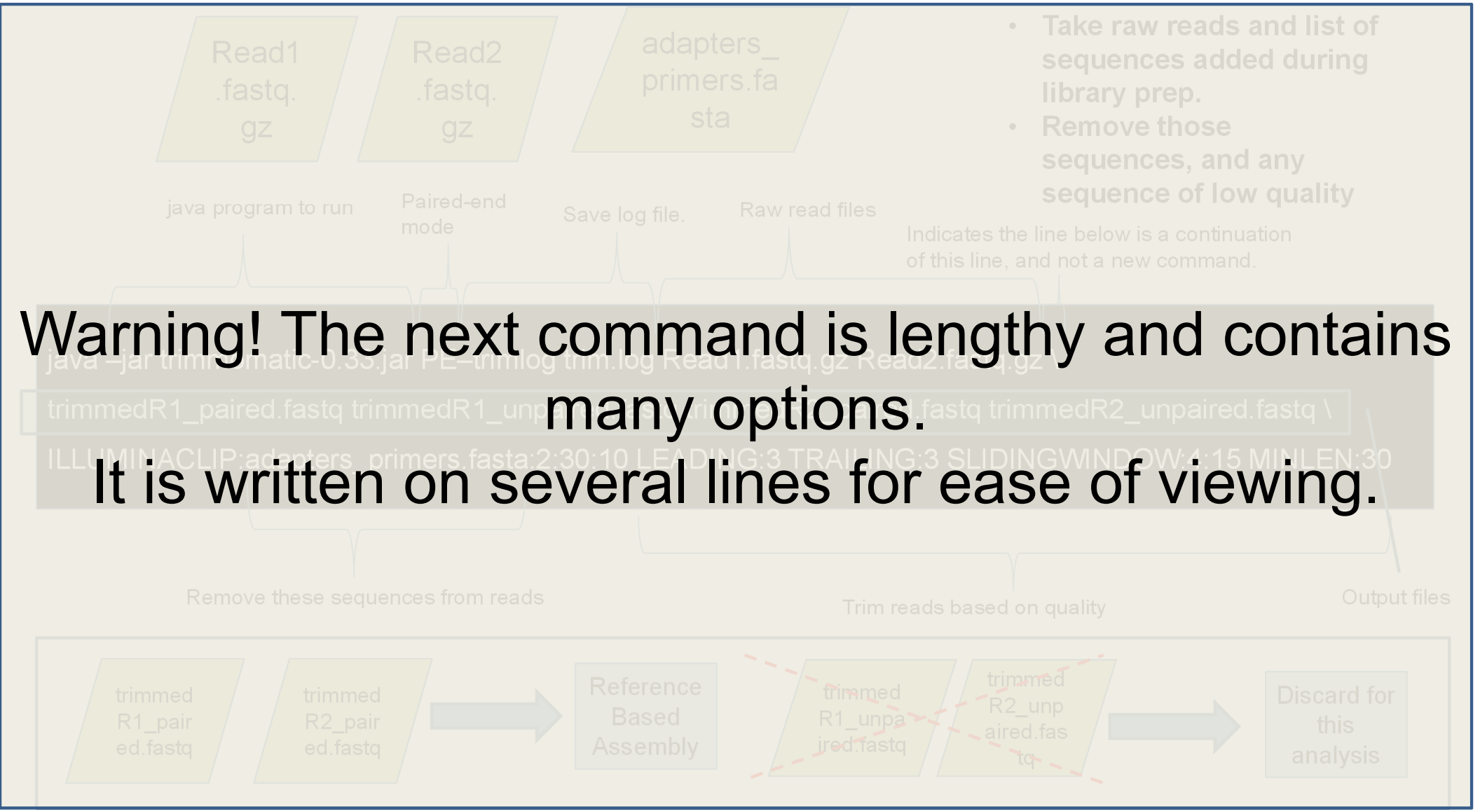
Read trimming/quality filtering



Raw reads

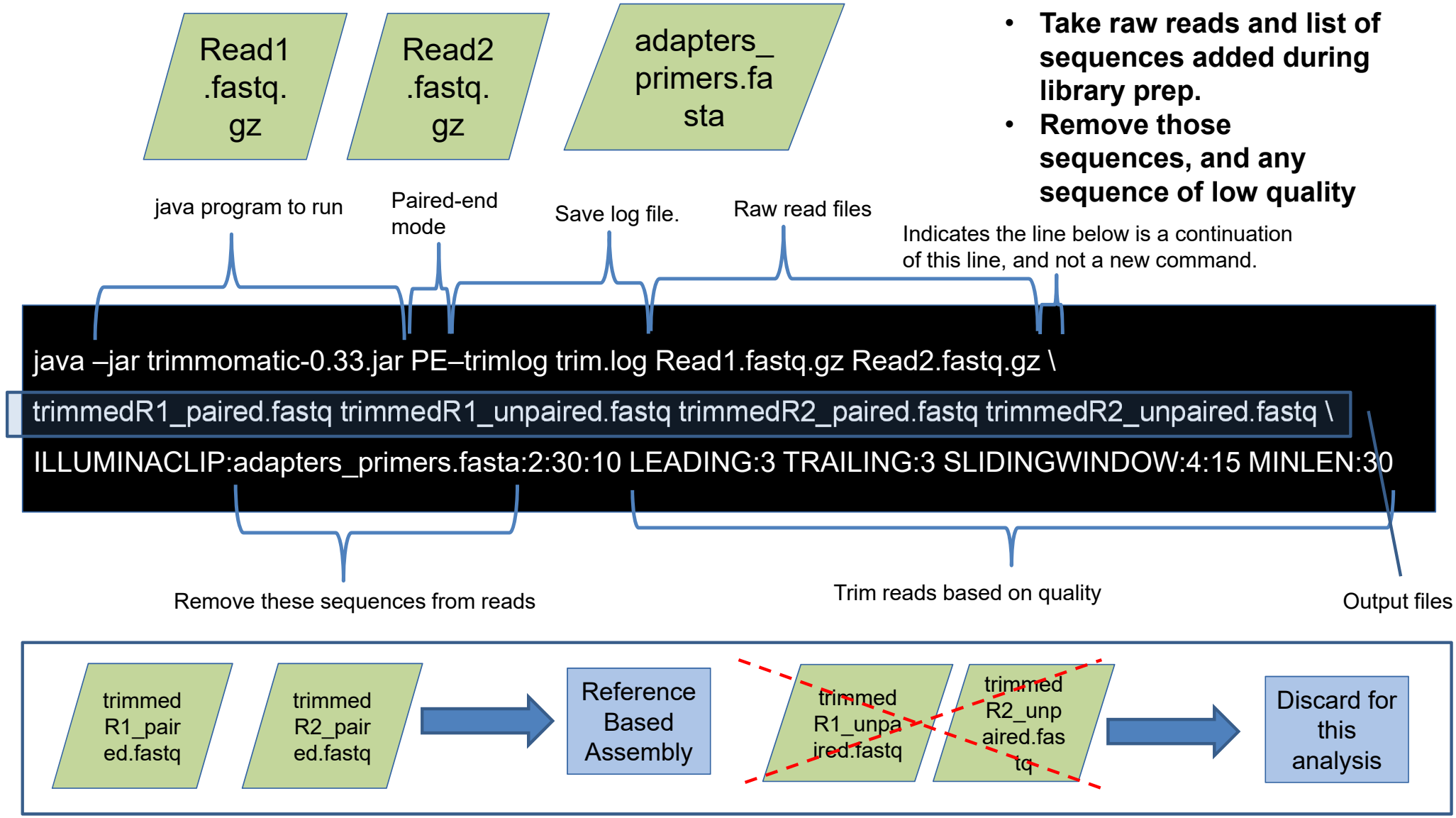
Find and remove adapters, primers and any low quality sequence

Output high quality reads that only contain viral sequence.



Warning! The next command is lengthy and contains many options.

It is written on several lines for ease of viewing.



- **Take raw reads and list of sequences added during library prep.**
- **Remove those sequences, and any sequence of low quality**

Note that this command requires outputting 4 files, but we will only use two in the subsequent steps.