



Supplemental Fig S1. Server diagram where each grey box represents a physical machine. The web server application that handles k -mer requests is Mongoose (<https://github.com/cesanta/mongoose>) and communication within the server is via ZeroMQ (<https://github.com/zeromq>). Users send k -mers and the type of output (matching read counts, matching read sequences, or matching reads with sample metadata). The output is returned in JSON format.