Supplementary Figure 2

Schematic of a pressure-driven pump (pressures specified as gauge pressures in pounds per square inch (psig = psi (absolute) - atmospheric pressure); PEEK, polyetheretherketone; PE, polyethylene). Nitrogen gas pressurizes a tightly sealed vessel that contains enzyme solution. The enzyme solution is pushed through >3-ft-long PEEK tubing to the flow cell. The pressure drop in the PEEK tubing is ~50 psi (i.e. ~340 kPa). See Supplementary Notes for more details.