





Figure S2. Passive microrheology of mucin solutions. (A) Mean-squared displacement (Mean sq. disp.) of PEG-coated 1 µm polystyrene beads with respect to time in different mucin or agarose preparations (BSG: commercial bovine submaxillary gland mucin, PGM: commercial porcine gastric mucin, PIM: unprocessed porcine intestinal mucus, LMA: low-melting temperature agarose). The data points (circles) are the average of trajectories from 3 to 6 replicates (12 to 25 individual trajectories). A polynomial fit the data (line) was used to calculate the storage and loss moduli using the generalized Strokes-Einstein relation. (B) Storage moduli (elasticity) of different mucin or agarose preparations. (C) Loss moduli (viscosity) of different mucin or agarose preparations.



Figure S3. c-di-GMP concentrations in *V. cholerae* El Tor C6706 incubated at different pH.