Electronic Supplementary Information

Movie S1: Sperm swim against a 5 μ L min⁻¹ flow in the grooves, as shown in Fig. 5A1. Original video was recorded at 100 FPS with DIC, replayed at 10 FPS. Flow from the right. Scale bar: 20 μ m.

Movie S2: A sperm being swept away by a 5 μ L min⁻¹ flow on a flat surface, as shown in Fig. 5A2. Flow from the right. Original video was recorded at 200 FPS with phase contrast, replayed at 10 FPS. Scale bar: 10 μ m.