Description of Additional Supplementary Files

File Name: Supplementary Movie 1
Description: Long-term virtual channel stability. Video shows virtual channel stability inside a 2 mm long channel of a poly-dimethyl siloxane chip of 28 µm x 28 µm cross-section. Virtual channel formation has been done using 57 µM methylcellulose with a sample flow rate Qsa = 120 nl s⁻¹ and 5 mM polyethylene glycol 40,000 with a sheath flow rate Qsh = 70 nl s⁻¹. Scale bar is 100 µm.

File Name: Supplementary Movie 2
Description: Virtual channel diameter adjustment. Video shows adjustment of virtual channel diameter inside a 300 µm long channel of a poly-dimethyl siloxane chip of 30 µm x 30 µm cross-section. Virtual channel width is modified between 5 µm and 30 µm adjusting sheath and sample flow rate between 4 nl s⁻¹ and 100 nl s⁻¹ using 60 mM polyethylene glycol 8,000 and 57 µM methylcellulose, respectively. Video has been sped up 50 times. Scale bar is 30 µm.