

Supplementary Material

Supplementary Figure 1

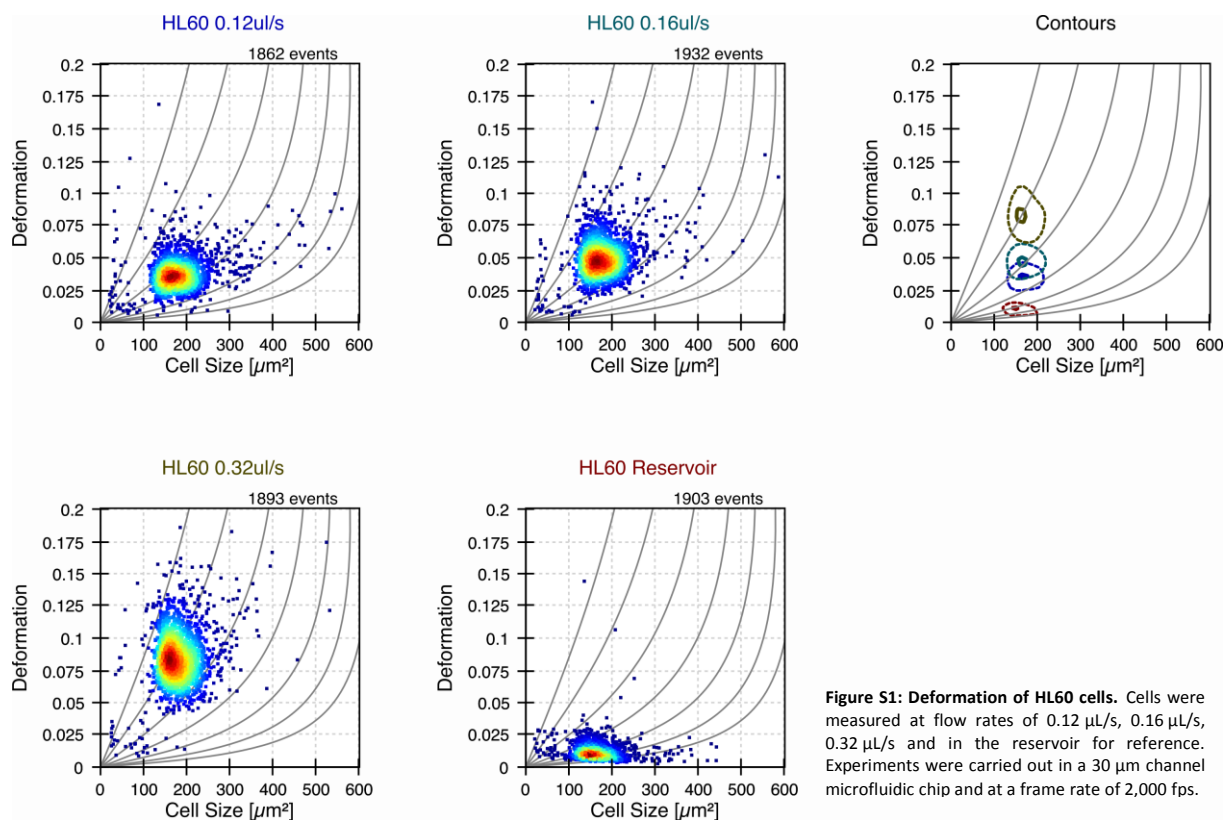


Figure S1: Deformation of HL60 cells. Cells were measured at flow rates of 0.12 $\mu\text{L/s}$, 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 2

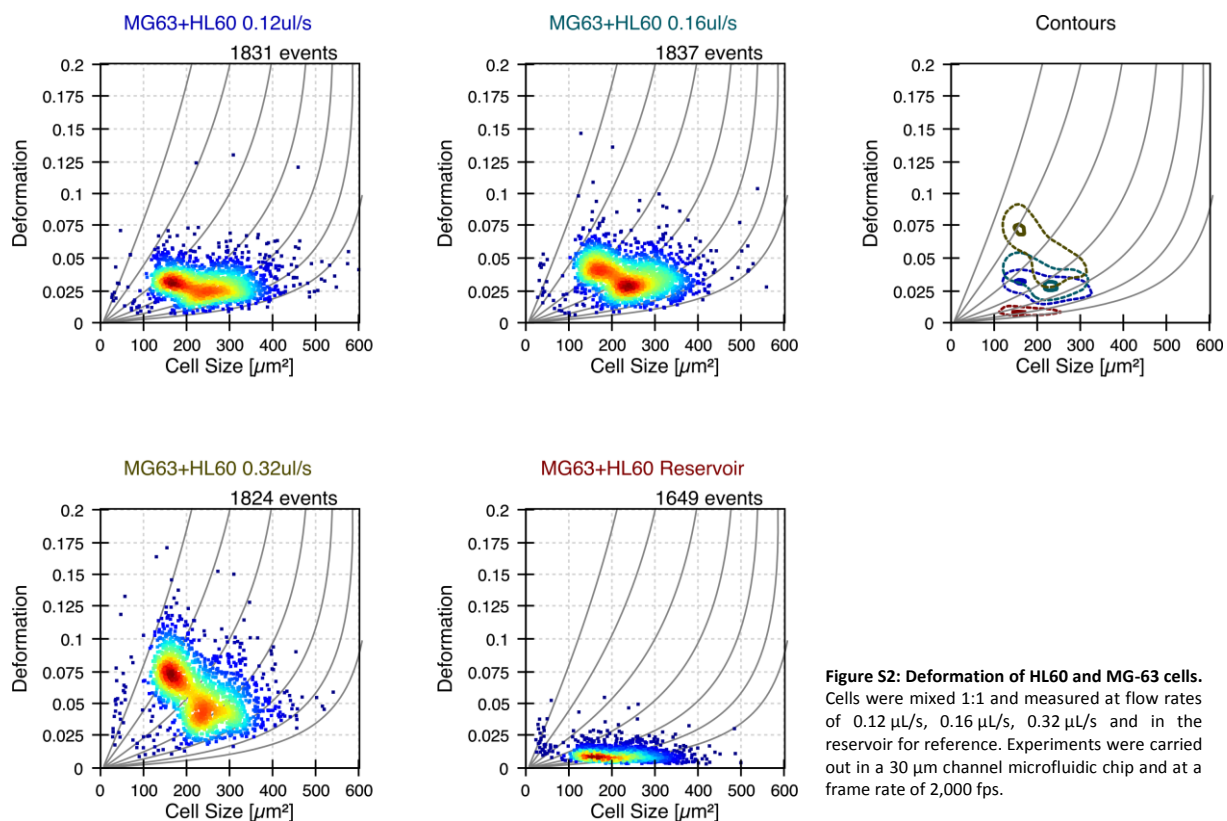


Figure S2: Deformation of HL60 and MG-63 cells. Cells were mixed 1:1 and measured at flow rates of 0.12 $\mu\text{L/s}$, 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 3

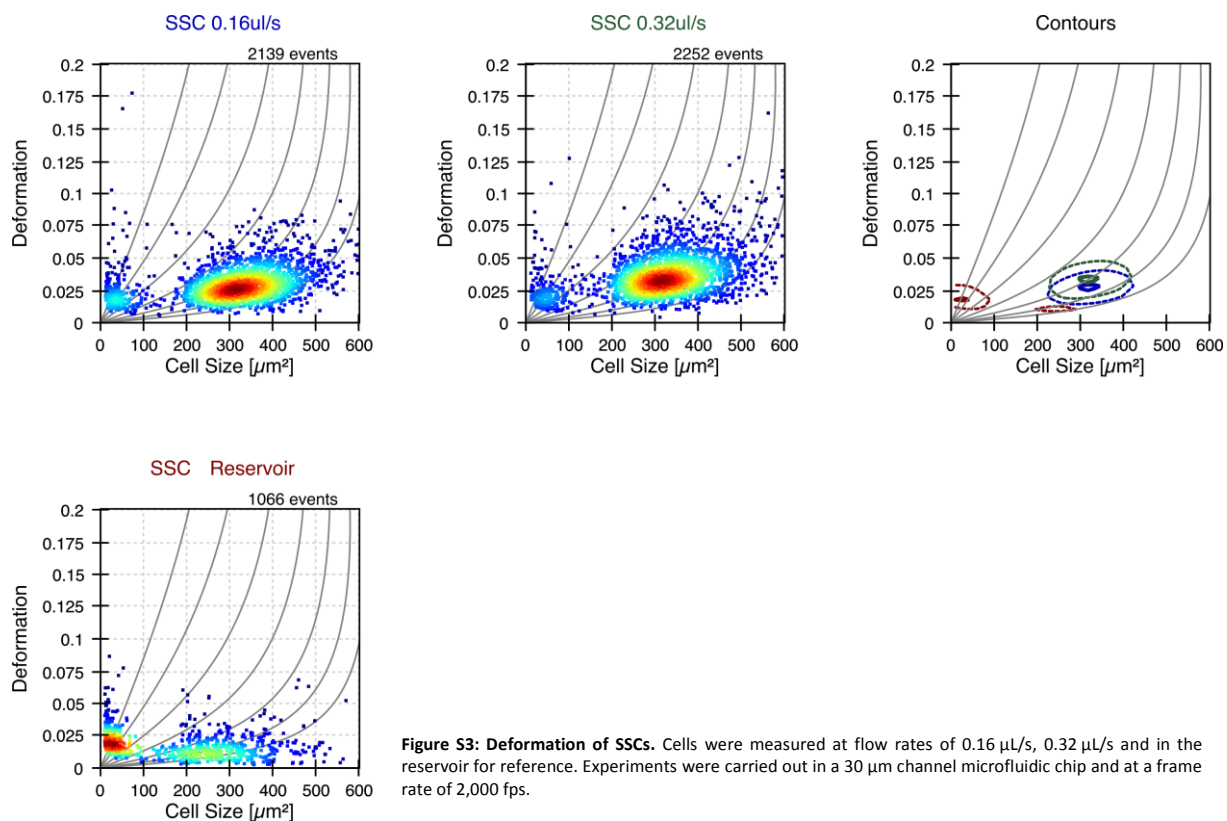


Figure S3: Deformation of SSCs. Cells were measured at flow rates of 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 4

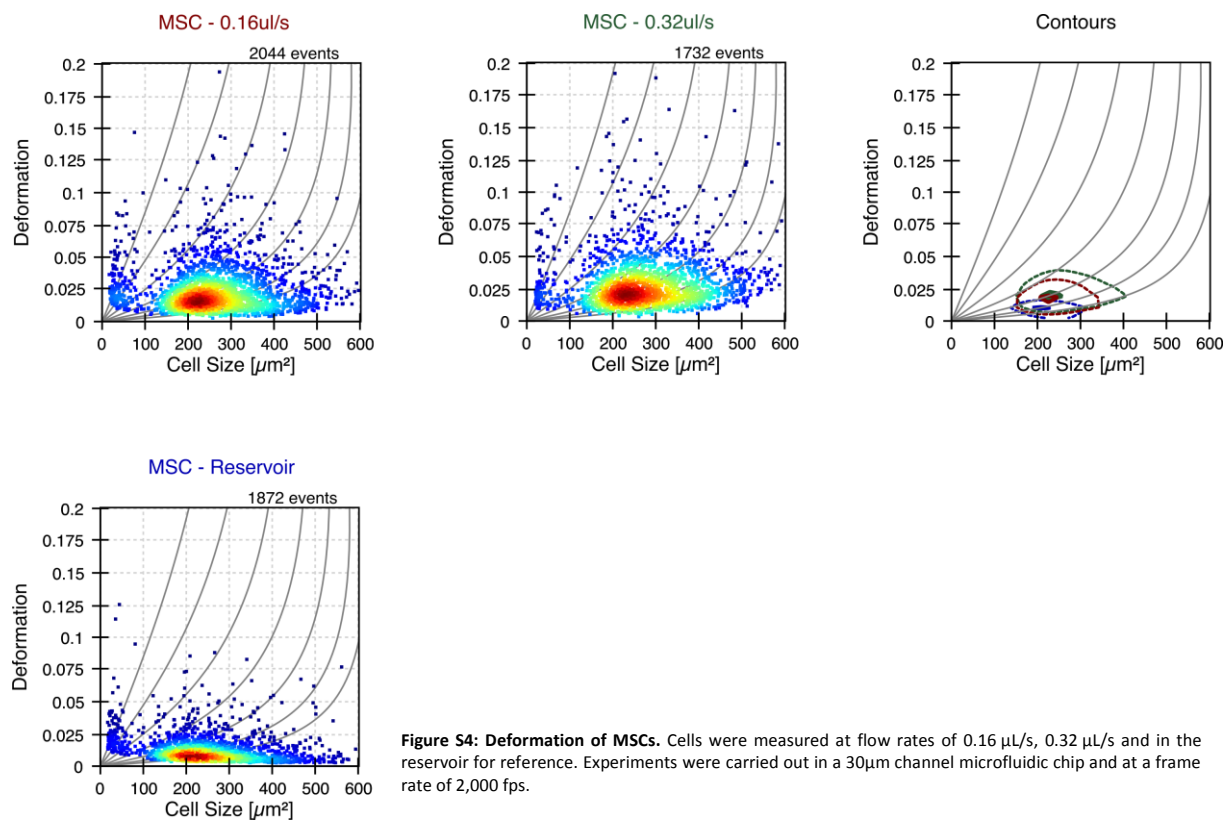


Figure S4: Deformation of MSCs. Cells were measured at flow rates of 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 5

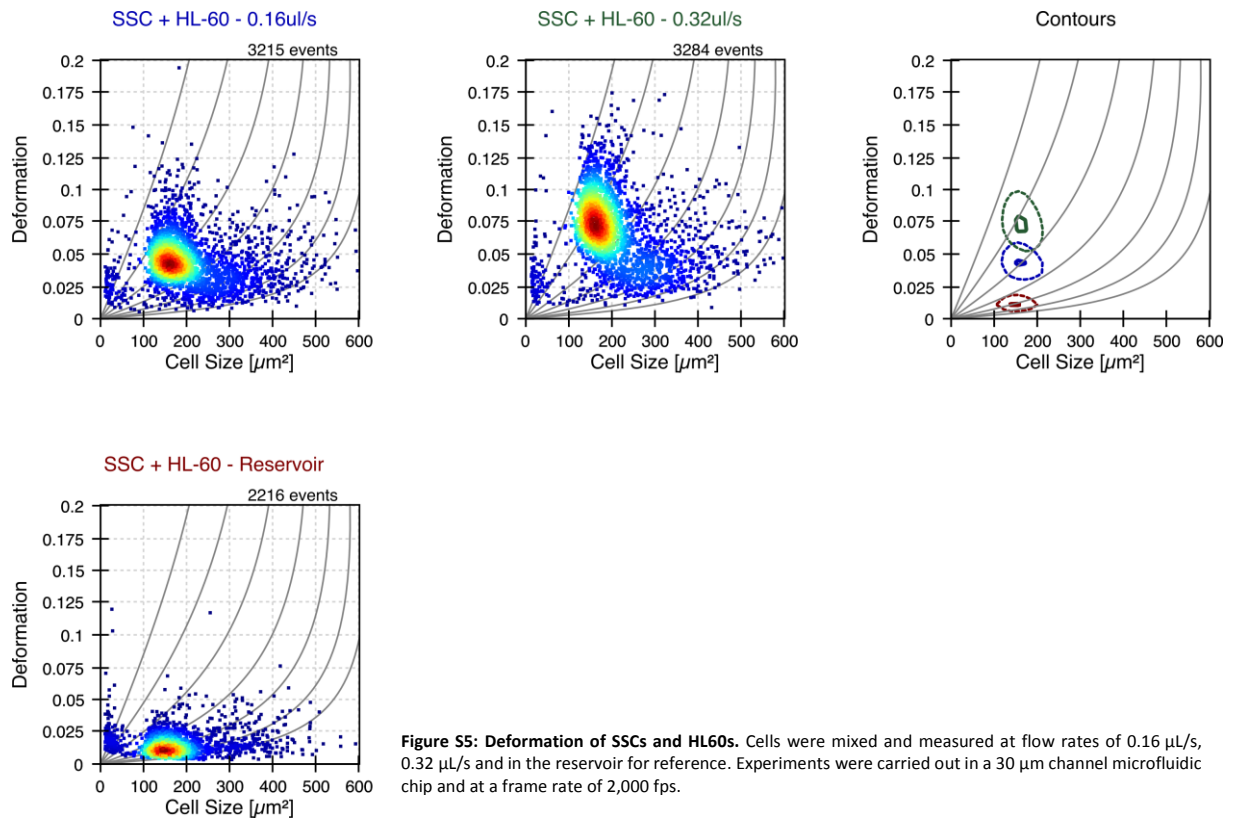


Figure S5: Deformation of SSCs and HL60s. Cells were mixed and measured at flow rates of 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 6

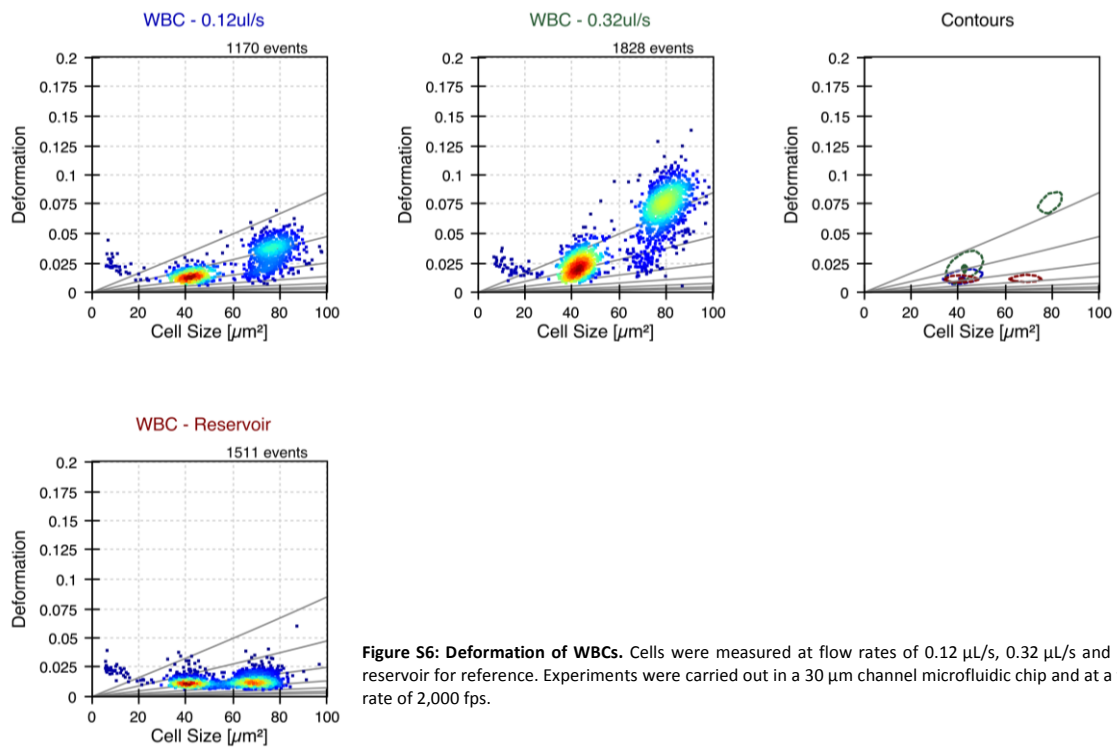


Figure S6: Deformation of WBCs. Cells were measured at flow rates of 0.12 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 7

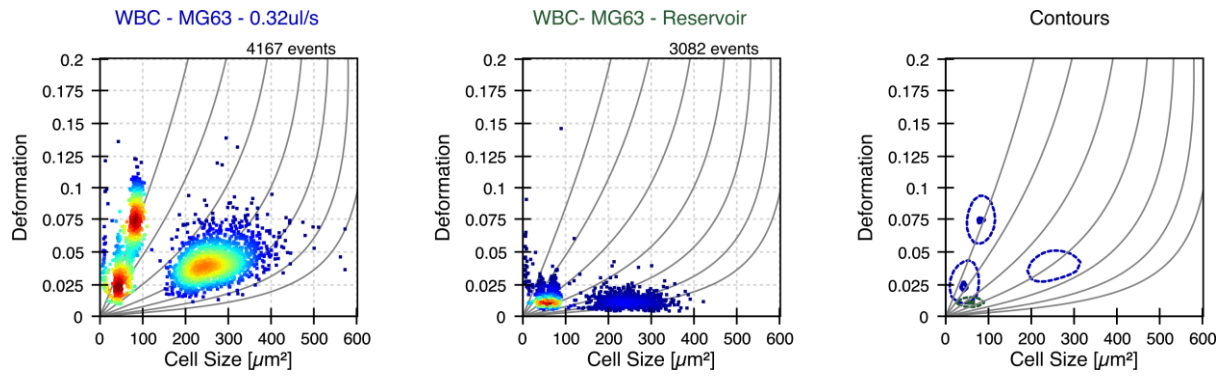


Figure S7: Deformation of WBCs and MG-63. Cells were measured at flow rates of 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.

Supplementary Figure 8

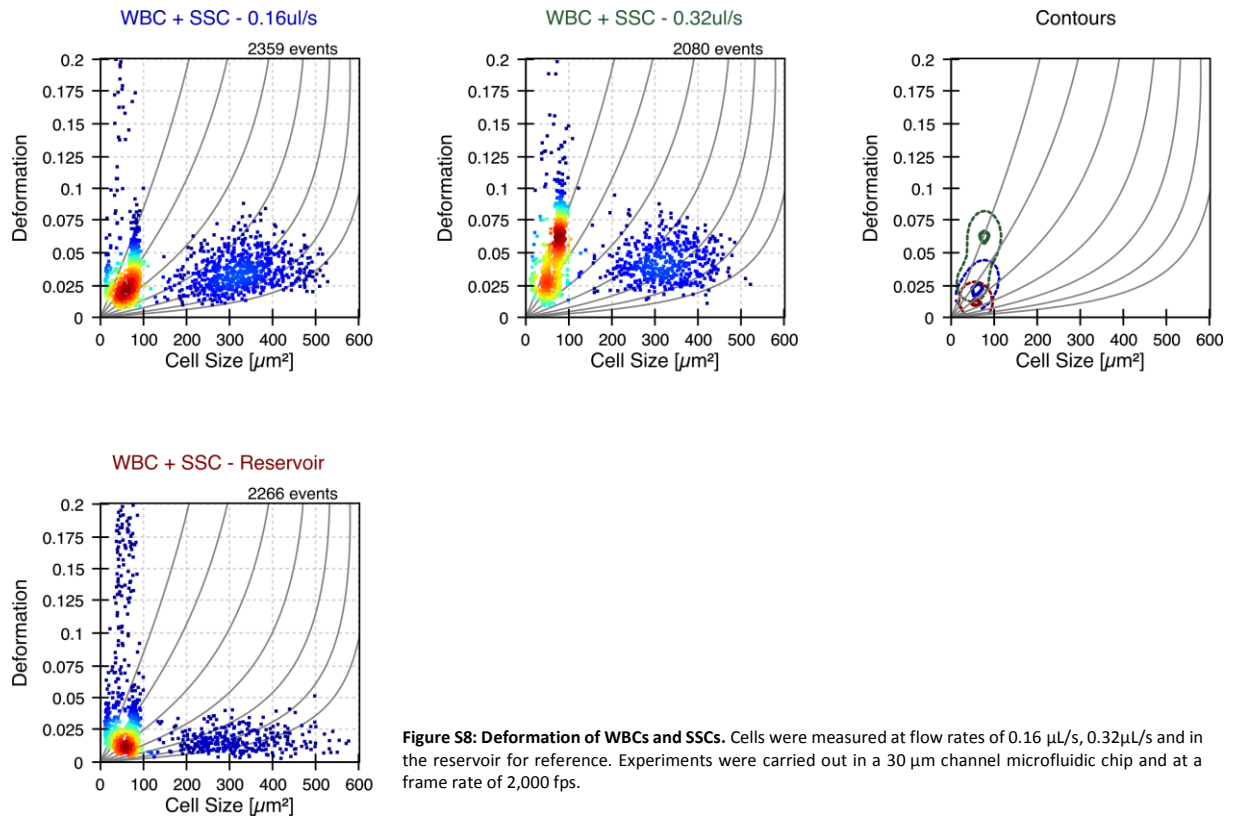


Figure S8: Deformation of WBCs and SSCs. Cells were measured at flow rates of 0.16 $\mu\text{L/s}$, 0.32 $\mu\text{L/s}$ and in the reservoir for reference. Experiments were carried out in a 30 μm channel microfluidic chip and at a frame rate of 2,000 fps.