

TABLE 1 Quantification of the elastic modulus reduction in the lamellipodia for nine different migrating keratocytes

Cell number	Elastic modulus at leading edge E (kPa)	Elastic modulus decrease by length unit (kPa/ μm)	Length of lamellipodium (μm)	Total elastic modulus reduction ΔE (kPa)	Relative elastic modulus reduction $\Delta E/E$
1	26	-0.2	9.4	-2.2	-0.1
2	30	-2.1	7.4	-15.9	-0.5
3	44	-4.8	8.3	-39.9	-0.9
4	26	-1.7	8.0	-13.7	-0.5
5	34	-1.3	8.1	-10.8	-0.3
6	21	-0.6	9.7	-6.1	-0.3
7	41	-1.0	17.2	-16.7	-0.4
8	44	-1.3	12.1	-15.3	-0.3
9	39	-1.3	15.7	-21.2	-0.5
Mean	34	-1.6	10.7	-15.7	-0.4
Standard deviation	8	1.3	3.6	10.7	0.2