

## Supplementary Data

	9	8	7	6	5	4	3	2	1	
		1	0	4	5	6	5	2	3	1
		2	0	0	0	2	1	0	0	2
2		6	0	0	6	8	14	10	5	3
		4	2	6	5	4	5	0	0	4
		1	15	3	0	1	0	1	4	5
4		6	6	2	0	12	11	3	0	6
8		11	5	2	22	6	17	1	3	7
			2	5	5	5	5	3	1	8
		21	28	11	5	4	2	3	2	9
2		17	20	13	19	7	12	19	28	10
2		0	0	2	7	10	5	0	9	11

**SUPPLEMENTARY FIG. S1.** Grid pattern for data acquisition. For each set of experiments, the images were taken daily of each sample in a grid pattern for the entire  $1 \times 1$  cm patterned surface. The grid is composed of successive rectangular images ( $1600 \times 1200$  pixel) that are numbered sequentially (*column* and *row*) from one end to the other end of the microgrooves and from *top* to *bottom*. The number of cells in each image were counted and entered into each grid.