

**S3 Table. Values of  $\beta$  for Young's modulus  $E$  ranging from 1~10 kPa and thicknesses  $h$  from 5~10 nm.**

$E$ (kPa) $h$ (nm)	1	2	3	4	5	6	7	8	9	10
5	1.3392	1.3429	1.3375	1.3395	1.3412	1.3387	1.3376	1.3392	1.3411	1.3396
6	1.3416	1.3428	1.3432	1.3415	1.3434	1.3421	1.3425	1.3436	1.3413	1.3425
7	1.3479	1.3482	1.3472	1.3479	1.3478	1.3482	1.3481	1.3456	1.3427	1.3483
8	1.3528	1.3521	1.3529	1.3518	1.3522	1.3516	1.3526	1.3572	1.3528	1.3564
9	1.3654	1.3652	1.3658	1.3656	1.3655	1.3652	1.3664	1.3687	1.3647	1.3683
10	1.3659	1.3742	1.3657	1.3643	1.3683	1.3715	1.3695	1.3658	1.3724	1.3762