|  |  |
| --- | --- |
| **Approximate distance from edge of viewing area (µm)** | **Thickness (t/λ)** |
| 10 | 0.781 ± 0.014 |
| 16 | 0.799 ± 0.015 |
| 23 | 0.799 ± 0.015 |
| 32 | 0.798 ± 0.014 |
| 37 | 0.821 ± 0.013 |
| 46 | 0.797 ± 0.014 |
| 54 | 0.795 ± 0.014 |
| 95 | 0.794 ± 0.014 |

**Table S1**: Measurements of relative thickness measured using EFTEM from different regions of cell containing liquid from near the edge of the viewing area toward the center of the 200 µm × 200 µm window. The thickness value is measured in regions between the pillars and is reported as mean ± standard deviation.