**Table S1: Summary statistics for Nsp1-GFP NPC analysis**†

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Stage | Cell Length (μm) | Nuclear Surface Area (μm2) | Nuclear Volume (μm3) | Nucleus Sphericity | Number NPCs | NPC Density (NPCs per μm2) | Points Removed | N |
| Early G2 | 8.7 ± 0.5 | 16.9 ± 2.7 | 5.9 ± 1.4 | 0.93 ± 0.02 | 95.3 ± 19.9 | 5.7 ± 1.0 | 0.8 ± 1.2 | 233 |
| Mid G2 | 10.2 ± 0.4 | 18.4 ± 2.8 | 6.7 ± 1.6 | 0.93 ± 0.02 | 105.1 ± 20.2 | 5.8 ± 1.0 | 0.9 ± 1.5 | 174 |
| Late G2/  Early M | 12.7 ± 1.2 | 21.8 ± 4.1 | 8.7 ± 2.4 | 0.93 ± 0.02 | 123.7 ± 26.6 | 5.8 ± 1.2 | 0.9 ± 1.3 | 317 |
| Late M | 14.0 ± 0.9 | 14.6 ± 2.6 | 4.6 ± 1.3 | 0.91 ± 0.02 | 77.5 ± 13.9 | 5.4 ± 1.1 | 1.2 ± 1.8 | 122 |
| G1/S | 14.2 ± 1.0 | 15.5 ± 2.8 | 5.1 ± 0.5 | 0.92 ± 0.02 | 81.1 ± 17.1 | 5.3 ± 0.9 | 0.9 ± 1.2 | 162 |

†*Values not corrected for undercounting*

Summary statistics from four independent biological replicates of Nsp1-GFP 3D-SIM imaging experiments. Stages assigned as described in *Materials and Methods*. Surface Area, Volume, Sphericity and NPC Density values derived from the computed 3D convex hull. Points Removed represents the average number of NPC points removed during complex hull optimization as described in *Materials and Methods*. Values shown were not corrected for undercounting.