

Supplemental Table 1

|                                     |            |
|-------------------------------------|------------|
| Pseudo Flatfield Blur               | 30         |
| Pattern Mask Median Filter          | 6          |
| Pattern Min Area                    | 350        |
| Pattern Max Area                    | Infinity   |
| Pattern Min SD (ratio Av/SD)        | 0.1        |
| Pattern Max SD                      | 0.45       |
| Laplacian Smoothing                 | 2.5        |
| Laplacian Threshold                 | -40        |
| DNA Min Area                        | 10         |
| DNA Max Area                        | 80         |
| Division Area Tolerance             | 10         |
| Division Angle Tolerance            | 15         |
| Division Max Distance               | 25         |
| Max Frame until first mitotic plate | 2          |
| ROI threshold                       | Intermodes |
| Mitotic Plate Minimal Laplacian     | -60        |
| Max Total Area of Single Cell       | 190        |
| Min Single Cell Area                | 20         |
| Mitotic Plate Min Area              | 30         |
| Mitotic Plate Max Area              | 130        |
| Mitotic Plate Min Major Axis        | 6          |
| Mitotic Plate Max Major Axis        | 25         |
| Mitotic Plate Min Minor Axis        | 2          |
| Mitotic Place Max Minor Axis        | 6.8        |
| Mitotic Plate Min Axis Ratio        | 2.9        |
| Mitotic Plate Max Axis Ratio        | 6          |
| Mitotic Plate Max Movement          | 5          |
| Mitotic Plate Max Frames to seek    | 3          |