

**Fig. 1.**



**Fig. 2.**



**Fig. 3.**

F:\科研资料\时珍堂409\TASKS\cell cycle of  T.lewisi whole data\cell cycle pic\虫体长度和DNA量测量\DNA量\DAPI and PI stain-1副本.tif

**Fig. 4.**



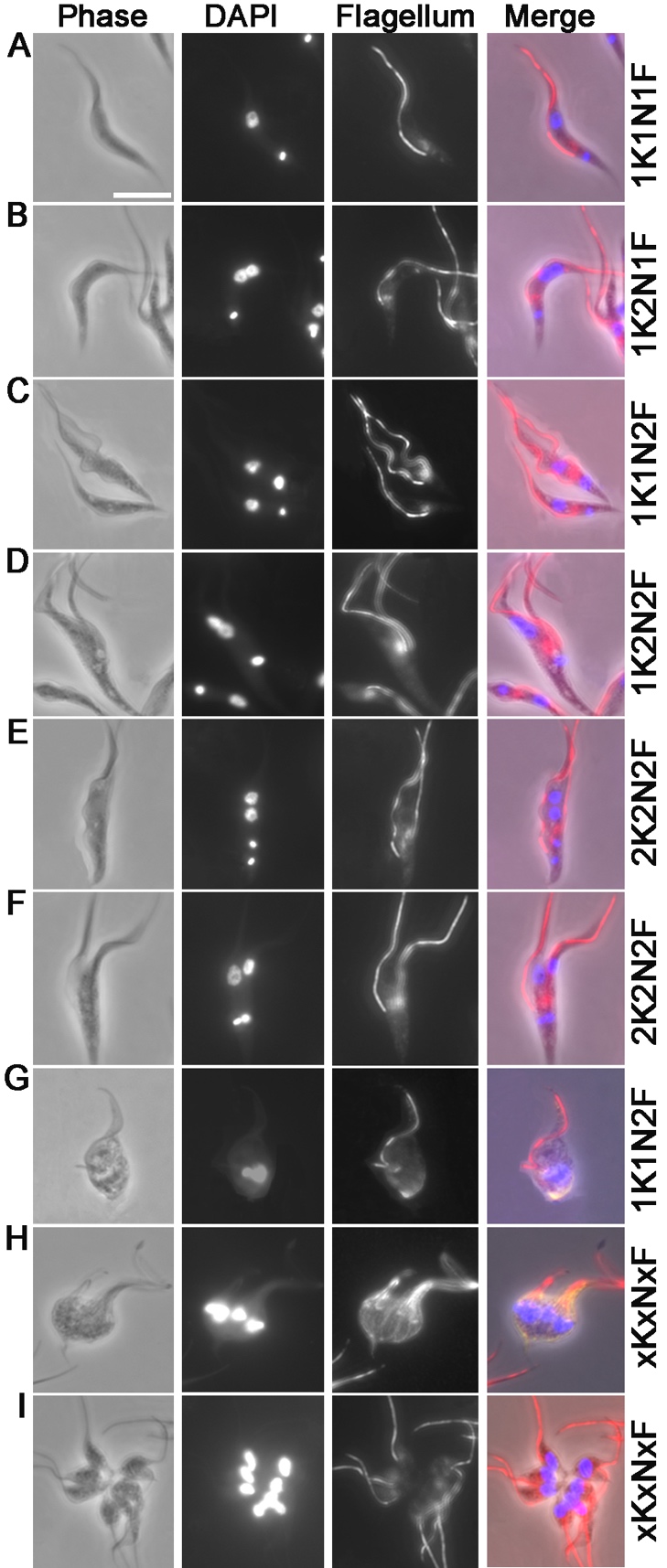


**Fig. 5.**

F:\Cell cycle of T. lewisi\cell cycle pic\散点分析各种相态细胞\散点分析\KN-PA副本.tif

|  |  |  |
| --- | --- | --- |
| Morphology | Percentage (%) | KN-Distance (μm) |
| Dividing epimastigote (A)  Epimastigote (B)  Transitional trypomastigote (C)  Trypomastigote (D) | 3.7  1.8  2.9  91.6 | 0.48-1.82  0.96-1.82  1.82-2.49  2.49-8.52 |

**Fig. 6.**



**Fig. 7.**

F:\科研资料\时珍堂409\TASKS\cell cycle of  T.lewisi whole data\cell cycle pic\总结图\6-1副本.tif

|  |  |  |
| --- | --- | --- |
|  | nDNA | kDNA |
| G1  S  G2  M/D  C/A | 0-0.619 U (0-7.516h)  0.620-0.816 U (7.517-9.903h)  0.817-0.964 U (9.904-11.703h)  0.965-0.974 U (11.704-11.824h)  0.975-1.000 U (11.825-12.138h) | 0-0.637 U (0-7.728h)  0.638-0.841 U (7.729-10.208h)  0.842-0.980 U (10.209-11.898h)  0.981-0.990 U (11.899-12.019h)  0.991-1.000 U (12.02-12.138h) |

**Fig. 8.**

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**Fig. S1.**

F:\科研资料\时珍堂409\TASKS\cell cycle of  T.lewisi whole data\cell cycle pic\生长曲线\EdU-1.tif

**Fig. S2.**

F:\Cell cycle of T. lewisi\cell cycle pic\Transforms in vitro\2-副本.tif

**Fig. S3.**

|  |  |  |
| --- | --- | --- |
|  | Nuclear DNA | Kinetoplast DNA |
| G1  S  G2  M/D  C/A | 0.544 U (9.858h)  0.864 U (15.668h)  0.874 U (17.482h)  0.974 U (17.663h)  1.000 U (18.134h) | 0.559 U (10.143h)  0.886 U (16.081h)  0.980 U (17.772h)  0.990 U (17.951h)  1.000 U (18.134h) |

**Table S1.**