Supplemental Figure 1

A. Forward Scatter DNA Stain-Area

B. DNA Stain-Width

C. Forward Scatter DNA Stain

D. α-PyCSP-AlexaFluor 488

E. Normalized Count

HepG2-CD81 cells (%)

- Uninfected cells from infected cultures
- Uninfected cultures

n.s.
Supplementary Figure 2

A

<table>
<thead>
<tr>
<th>DNA Stain</th>
<th>Conservative</th>
<th>Liberal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2n</td>
<td>84.0%</td>
<td>88.7%</td>
</tr>
<tr>
<td>4n</td>
<td>8.04%</td>
<td>11.3%</td>
</tr>
</tbody>
</table>

B

<table>
<thead>
<tr>
<th>Ratio (Infected/Uninfected)</th>
<th>Conservative</th>
<th>Liberal</th>
</tr>
</thead>
<tbody>
<tr>
<td>2n</td>
<td>1.0 ± 0.1</td>
<td>1.5 ± 0.2</td>
</tr>
<tr>
<td>4n</td>
<td>1.2 ± 0.1</td>
<td>1.6 ± 0.2</td>
</tr>
</tbody>
</table>
Supplementary Figure 3

A. Normalized Count

B. Infected HepG2-CD81 cells (%)

C. FITC-Dextran

D. HepG2-CD81 cells (%)

E. Ki-67 positive (%)

- Untreated
- L-mimosine treated
- Nocodazole treated

DNA Stain

- 2n
- 4n
- 8n+

- Total Infected
- Infected Dextran neg
- Uninfected

- Untreated
- L-mimosine
- Nocodazole

- p=0.011
- p=0.008

- n.s.
- *
Supplemental Figure 4

A

Normalized count vs. DNA content

B

Normalized count vs. Sporozoite DNA content

C

Fold Change (Infected/Uninfected) vs. DNA content

D

Intensity (PyCSP) vs. Area (Bright Field)
Supplemental Figure 5

A. Forward Scatter DNA Stain

B. DNA Stain-Width

C. Side Scatter-Width

D. α-PyCSP-AlexaFluor 488

E. Normalized Count

- Whole cells
- Non-sub-G1 cells
- Single cells
- Uninfected
- Infected
- 4n
- 8n
- 16n or greater
- Uninfected Cells
- Infected Cells
Supplementary Figure 6

A

B

C

D

Uninfected
Infected

Uninfected
Infected

Uninfected
Infected

Uninfected
Infected
Supplementary Figure 7

A

Ploidy of 0-50k size group (%)

Uninfected

Infected

B

Ploidy of 50k-100k size group (%)

Uninfected

Infected

C

Ploidy of 100k-150k size group (%)

Uninfected

Infected

D

Ploidy of 150k-200k size group (%)

Uninfected

Infected