**Table S2.** Time-lapse records of ookinete invasion of Ag midguts in the presence of dextran, the marker of cell membrane integrity. Guid - the unique record number in the database, TPI - hours post infection, duration - the total time of the time-lapse measurement.

| guid  | dextran | TPI  | duration (min) | feature | link                                      |
|-------|---------|------|----------------|---------|-------------------------------------------|
| 1796  | Yes     | 19.0 | 50             | Z-project | https://youtu.be/RuxalPgHywo              |
| 1621  | Yes     | 20.0 | 0              | rotation of a single image | https://youtu.be/ie-9RJ7t_pg |
| 2110  | Yes     | 20.5 | 77             | overview | https://youtu.be/ZFlfuz1oeyKk             |
| 1622  | Yes     | 21.5 | 48             | Z-project | https://youtu.be/4I5wZqSPOzA             |
| 2109  | Yes     | 22.0 | 31             | Z-project | https://youtu.be/m3VRyDDcxl4            |
| 1624  | Yes     | 22.5 | 20             | Z-project | https://youtu.be/bNN1Bu6-FOA              |
| 2108  | Yes     | 24.5 | 63             | Z-project | https://youtu.be/UlK_dlvEHts             |
|       |         |      |                | diagonal view | https://youtu.be/KRtBQAXlR3A            |
|       |         |      |                | side view | https://youtu.be/qnBLe2kpWGM             |