**Table S1: Live cell imaging excitation and emission settings**

|  |  |  |  |
| --- | --- | --- | --- |
| Signal | Laser | Excitation filter | Detection emission |
| DND-26 lysotracker | Argon | 496 | 510-530 |
| Cy5.5 | Argon | 633 | 650-700 |
| Hoechst | Diode | 405 | 415-505 |
| GFP | Argon | 488 | 500-550 |