##### **Supplemental Table 1 List of antibodies and stains used**

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| **Antibody/Stain** | **Concentration** | **Source** |
| rat anti-ELAV | 1 : 100 | DHSB |
| mouse anti-pH2AV | 1 : 100 | DHSB |
| mouse anti-Repo | 1 : 100 | DHSB |
| mouse anti-Lamin | 1:100 | DHSB |
| rat-anti ELAV | 1:100 | DHSB |
| DAPI | 1 : 1000 | Sigma-Aldrich |
| Alexa Fluor 568 goat anti-mouse | 1 : 1000 | ThermoFisher |
| Alexa Fluor 568 goat anti-rat | 1 : 1000 | ThermoFisher |
| Alexa Fluor 488 goat anti-mouse | 1 : 1000 | ThermoFisher |
| Alexa Fluor 488 goat anti-rat | 1 : 1000 | ThermoFisher |
| Dye-cycle violet | 2µL in 1000µL | ThermoFisher |
| Sytox Green | 2µL in 1000µL | ThermoFisher |
| Propidium Iodide | 2.25µL in 1000µL | Sigma-Aldrich |