

**Materials List for:**

# Effect of Fluorescent Proteins on Fusion Partners Using Polyglutamine Toxicity Assays in Yeast

Yuwei Jiang<sup>1</sup>, Sonja Di Gregorio<sup>2</sup>, Maram B. Albakri<sup>1</sup>, Martin L. Duennwald<sup>1,2</sup>, Patrick Lajoie<sup>1</sup>

<sup>1</sup>Department of Anatomy and Cell Biology, University of Western Ontario

<sup>2</sup>Department of Pathology and Laboratory Medicine, University of Western Ontario

Correspondence to: Patrick Lajoie at [plajoie3@uwo.ca](mailto:plajoie3@uwo.ca)

URL: <https://www.jove.com/video/58748>

DOI: [doi:10.3791/58748](https://doi.org/10.3791/58748)

## Materials

| Name                                             | Company                | Catalog Number | Comments                            |
|--------------------------------------------------|------------------------|----------------|-------------------------------------|
| 5-alpha Competent E. coli (High efficiency)      | New England Biolab     | C2987          |                                     |
| SpeI-HF                                          | New England Biolab     | R3133          | High fidelity enzymes are preferred |
| Sall-HF                                          | New England Biolab     | R0138          | High fidelity enzymes are preferred |
| Agarose                                          | Fisher Scientific      | BP160          |                                     |
| LB-Agar                                          | Fisher Scientific      | BP1425         |                                     |
| LB-Broth                                         | Fisher Scientific      | BP1426         |                                     |
| Ampicilin                                        | Fisher Scientific      | BP1760         |                                     |
| PfuUltra High-fidelity DNA Polymerase            | Agilent Technologies   | 600382         |                                     |
| EPOCH2 microplate spectrophotometer              | BioTek Instruments inc | EPOCH2TC       |                                     |
| Yeast Pin Replicator                             | V&P Scientific inc.    | VP407AH        |                                     |
| SPI imager                                       | S&P Robotics inc.      | splmager-M     |                                     |
| Zeiss LSM 800 confocal with AryScan              | Carl Zeiss Microscopy  | LSM 800        |                                     |
| 8 well Lab-Tek imaging chambers                  | Fisher Scientific      | 12565470       |                                     |
| Bio-Dot apparatus                                | Bio-Rad                | 1706545        |                                     |
| Chemi Doc XRS+                                   | Bio-Rad                | 1708265        |                                     |
| anti-FLAG M1 antibody                            | Sigma-Aldrich          | F3040          |                                     |
| Goat anti-mouse IgG alexa 555 secondary antibody | Thermo                 | A32727         |                                     |
| Plasmid MiniPrep Kit                             | Fisher Scientific      | K0503          |                                     |
| Plasmid Gel extraction Kit                       | Fisher Scientific      | K0831          |                                     |
| PCR Purification Kit                             | Fisher Scientific      | K0702          |                                     |
| Prizm                                            | GraphPad               | N/A            |                                     |
| TAE (Tris-Acetate-EDTA)                          | Fisher Scientific      | BP13354        |                                     |