

Materials List for:

# Quantification of Information Encoded by Gene Expression Levels During Lifespan Modulation Under Broad-range Dietary Restriction in *C. elegans*

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URL: <https://www.jove.com/video/56292>

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## Materials

| Name                                                               | Company         | Catalog Number | Comments                             |
|--------------------------------------------------------------------|-----------------|----------------|--------------------------------------|
| Carbenicillin di-Sodium salt                                       | Sigma-Aldrich   | C1389-5G       | Antibiotic                           |
| Streptomycin Sulphate salt                                         | Sigma-Aldrich   | S6501-50G      | Antibiotic                           |
| Isopropyl β-D-1-thiogalactopyranoside (IPTG)                       | Sigma-Aldrich   | I6758-10G      | Inducer for RNAi plates              |
| Sodium Chloride (NaCl)                                             | Sigma-Aldrich   | 71380-1KG-M    | Used in S basal, and NGM agar        |
| di-Potassium Hydrogen Phosphate(K <sub>2</sub> HPO <sub>4</sub> )  | Sigma-Aldrich   | 1.05104.1000   | Used in S basal, and NGM agar        |
| Potassium di-Hydrogen Phosphate (KH <sub>2</sub> PO <sub>4</sub> ) | Sigma-Aldrich   | P9791-1KG      | Used in S basal, and NGM agar        |
| Magnesium Sulphate (MgSO <sub>4</sub> )                            | Sigma-Aldrich   | M2643-1KG      | Used in NGM agar                     |
| Calcium Chloride (CaCl <sub>2</sub> )                              | Sigma-Aldrich   | C5670-500G     | Used in NGM agar                     |
| Sodium Hydroxide (NaOH)                                            | Sigma-Aldrich   | 71687-500G     | Used for bleaching                   |
| Pluronic-F127                                                      | Sigma-Aldrich   | P2443-1KG      | Used in imaging                      |
| Sodium Hypochlorite (NaClO)                                        | Sigma-Aldrich   | 1.05614.2500   | Used for bleaching                   |
| LB Broth                                                           | Invitrogen      | 12780052       | Used to grow bacteria                |
| Advanced TC 6 cm Tissue Culture plates                             | Greiner Bio-One | 628960         | Plates for lifespan                  |
| CellStar 10cm Tissue Culture plates                                | Greiner Bio-One | 664160         | Plates for imaging                   |
| Low Retention P200 tips                                            | Brandt          | 732832         | Tips for handling worms in liquid    |
| Agar                                                               | BD              | 214510         | Agar for NGM, RNAi and NSC plates    |
| Bacto-peptone                                                      | BD              | 211820         | Peptone for NGM, RNAi and NSC plates |