**Plasmids used in this study:**

|  |  |  |
| --- | --- | --- |
| Plasmid Name | Description | Cloned by |
| Figure 1-3 |
| pACC6 | Pflp-13::LifeAct::GFP | InFusion cloning |
| pACC100 | Pflp13::GFP::Utrophin | InFusion cloning |
| pACC128 | Pflp-13::myr::mRuby3 | InFusion cloning |
| Figure 4 |
| pACC92 | Punc-4::ceChrimson::SL2::3xNLS::GFP | InFusion cloning |
| pACC83  | Pflp-13::GCaMP6s::SL2::mCherry | InFusion cloning |

Strains used in this study:

|  |  |  |
| --- | --- | --- |
| Strain Name | Description | Reference |
| Figure 1-3 |
| XMN46  | bgIs6 [Pflp-13::mCherry; Pttx-3::RFP] II | (Opperman & Grill, 2014) |
| NC3315 | wdEx1016 [Pflp-13::LifeAct::GFP; Pmyo-2::RFP] | (Cuentas-Condori et al., 2019) |
| NC3608 | wdEx123[Pflp-13::myr::mRuby; Pstr-1::GFP] | (Cuentas-Condori et al., 2019) |
| NC3518 | wdEx1108 [Pflp-13::GFP::Utrophin; Pmyo-2::RFP] | (Cuentas-Condori et al., 2019) |
| Figure 4 |
| NC3569 | lin-15(n765); wdIs117 [Punc-4::ceChrimson::SL2::3xNLSGFP; lin-15+] II?; wdEx1112 [Pflp13::GCaMP6s::SL2::mCherry]  | (Cuentas-Condori et al., 2019) |