**Table S6: Injection Conditions**

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| **Figure** | **Transgene** | **Injected Strain** | **Injection Mix** |
| **Figures 3, 5, 6** | PAT-3::GFP CRISPR (*bgg86*) | **N2** | 4uL Cas9 |
| 5.0uL IDT tracrRNA (0.8ug/uL) |
| 2.8uL IDT crRNA (0.8ug/uL) |
| 1.6uL pRF4 (rol-6 plasmid) |
| 2ug hybrid repair template |
| **Figures 3, 5, 6** | UNC-112::GFP CRISPR (*bgg68*) | **N2** | 5μL tracrRNA (4μg/μL) |
| 0.4μL dpy-10 crRNA (8μg/μL) |
| 0.55μL dpy-10 repair ssODN (500μg/μL) |
| 1μL UNC-112::GFP crRNA (8ug/μL) |
| 6.8μL UNC-112::GFP PCR Template (500ng/μL) |
| 0.5μL KCl (1M) |
| 0.75uL Hepes pH 7.4 (200mM) |
| 4.6μL Nuclease-Free H20 |
| 5μL Cas9 (10μg/μL) |
| **Figure 5** | TLN-1 Rescue  (*bggEx172*) | *tln-1*(*zh117* [GFP::TLN-1]) I; *itSi953* [Pmec-18::*mecDEG*, *unc-119*(+)] II; *jsIs973* [Pmec-*7*::mRFP, *unc-119*(+)] III | 65ng/μL pBluescript (pBG-49) |
| 10ng/μL Prps-27::NeoR (pBG-264) |
| 25ng/μL Prgef-1::FLAG::TLN-1 (pBG-GY1100) |
| **Figure 4** | RPM-1::mScarlet CRISPR  (*bgg119*) | **N2** | 4uL Cas9 |
| 5.0uL IDT tracrRNA (0.8ug/uL) |
| 2.8uL IDT crRNA (0.8ug/uL) |
| 1.6uL pRF4 (rol-6 plasmid) |
| 2ug hybrid repair template |
| **Figure 4** | Pmec- 17::mTagBFP2  (*bggEx180)* | *tln-1(zh117* [GFP::tln-1] I; *rpm-1(bgg119* [rpm-1::mScarlet CRISPR] V | 10ng/uL Pmec-17::mTagBFP2::let-858 3'UTR (pBG-GY1121) |
| 50ng/uL Pttx-3::RFP (pBG-41) |
| 80ng/uL pBluescript (pBG-49) |