



Fig. S1 Assessment of the transgene copy number in single-copy integrant lines. (A) qPCR strategy for assessing the number of transgene copies that were integrated. Two primer sets are used in parallel reactions. One primer set (purple) amplifies a control region in the reference gene *Y41E3.19*. A second primer set (orange) amplifies a genomic region in *unc-54* UTR. Since *unc-54* UTR is included in both mNeonGreen and GFP constructs, an extra copy of this sequence is present in single-copy integrant transgenic animals. (B) qPCR results expressed as averages relative copy numbers (+/- s.e.m), normalized to the *Y41E3.19* reference gene ($n=3$ replicates). In non-transgenic animals (N2), the *unc-54* UTR/*Y41E3.19* ratio was 1; in single-copy integrants, this ratio was close to the theoretical value of 2.