dsDNA is not a more effective template than ssDNA for introduction of a 2xFLAG epitope at the 3’ end of nhr-23. (A) 50 ng/µl of sense of and antisense nhr-23::2xFLAG oligos in annealing buffer (TE buffer with 50 mM NaCl) were either annealed by heating to 95°C for two minutes and then slowly cooling to 25°C over 30 minutes in a thermocycler, or mock annealed (kept at 25°C). Annealing was confirmed by resolving the annealed and mock annealed oligos on a 4% TAE-agarose gel and staining with GelRed. The 1KB+ (Invitrogen) size standard is provided. (B) Table comparing the knock-in efficiencies of sense oligos, and either mock annealed or annealed sense+antisense nhr-23::2xFLAG 200mers. The sense 200mer data is pooled from all experiments using pha-1(ts) sense oligos and nhr-23::2xFLAG sense 200mers (Figures 1 and 3). A control where the sense oligo was injected in annealing buffer was performed to ensure that the buffer did not affect knock-in efficiency.