**FIGURE S3.**—Diagram describing the MOS1-mediated screen to identify alleles that caused over-expression of *Pnhr-57::GFP*. The extrachromosomal array that included the MOS1 transposon also carried the *Pmyo-2::GFP* pharyngeal marker. The array containing *Phsp::transposase* included the *Punc-122::GFP* gene, which labels coelomocytes. Both starting strains carried the *Pnhr-57::GFP* reporter. F1 eggs that were laid between 18-40 hours after heatshock treatment were collected. Animals over-expressing the HIF-1 reporter were isolated. Inverse PCR and complementation tests with existing *egl-9* alleles were used to map the mutation site.