



SUPPLEMENTARY FIG. S4. Targeting *noto* with a single homology domain. **(A)** Schematic showing designed homology for precise 5' integration using ErCas12a. Green is designed homology. The PAM for ErCas12a targeting in the genome and donor is underlined. **(B and B')** Representative confocal Z-stack image showing mosaic GFP expression in the notochord of an injected animal. Scale bar: 100 μ m. **(C)** Data plot showing the ratio of embryos with GFP expression in the notochord out of total injected embryos. Data plot represents the mean \pm SD. **(D)** Gel showing junction fragment expected after precise integration using the homology domain. **(E)** Gel showing no junction, indicating there is no integration without the genomic pre-crRNA. **(F)** DNA sequencing 5' junctions showing precise integration using the programmed homology.