



Supplementary Figure 10. Testing of two sgRNAs targeting 5' UTR of *tcf21*. **a.** Diagram of the *tcf21* locus with sequence of *tcf21* sgRNA5 and *tcf21* sgRNA6 targets shown in blue. **b.** Sequencing of PCR fragment obtained on a bulk genomic DNA from a pool of 20 embryos injected with *tcf21* sgRNA5 nCas9n mRNA. Direction of the sequencing reaction is shown by black arrow above, PAM motif is bold, sgRNA target blue and the expected Cas9 cut site is indicated by red arrows. **c.** Identical experiment testing the activity of *tcf21* sgRNA6.