



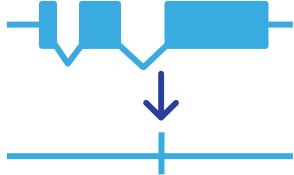
## — ABOUT INVIVO BIOSYSTEMS —

An expert in CRISPR genome editing, InVivo Biosystems provides a unique capability for creating custom genome edited zebrafish and *C. elegans* that enable therapeutic research on genetic models of aging, developmental, and neurodegenerative disease, uncovering potential cures. Using CRISPR and Tol2 methods, our zebrafish genome-editing services can significantly reduce your experiment design time and can be tailored to different experimental requirements.

All of our projects include on-call project status updates, as well as regularly scheduled communication. We also provide on-call consulting and interpretation with our Ph.D. level, subject-matter experts.

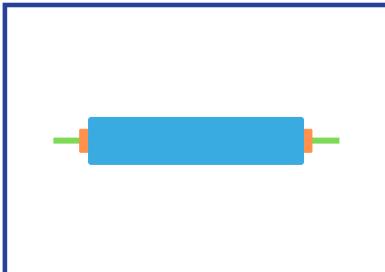


# TYPES OF EDITS



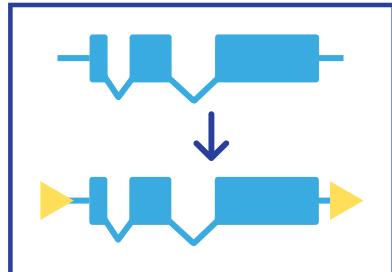
## KNOCKOUT

Disrupt or delete integral domains in the coding sequence of a gene. Commonly used to study gene function.



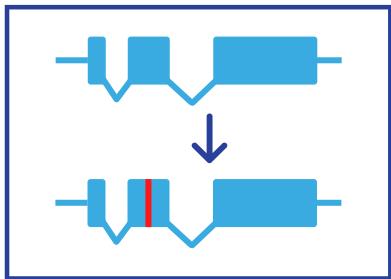
## TOL2

Insert large cargo or expression cassettes into the zebrafish genome using the Tol2 transposon-based system for tissue-specific reporter expression or to modulate gene expression.



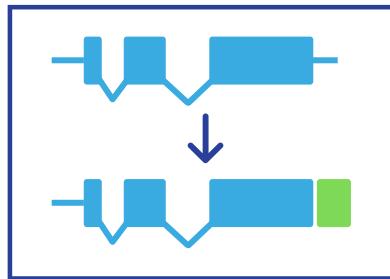
## FLOXED GENE

Insert loxP sites flanking the region to be deleted in zebrafish for tissue-specific or temporal deletion of your gene of interest.



## SITE-DIRECTED MUTAGENESIS (SDM)

Introduces precise nucleotide changes at a target site. Often used to understand gene function, or more precisely model human diseases.



## KNOCK-IN TAGGING

Tag your favorite gene at the native locus in your zebrafish line. Choose from a large selection of fluorescent proteins and epitope tags.

# SERVICE PACKAGES

We offer a variety of service packages to fit the needs and budget of your lab. Our services are fully customizable to get you the edit you want along with the support you need to start your project.

- CRISPR Injection Mix: Our Custom Injection Mix packages range from standard ready-to-inject mixes to full in vivo evaluation of sgRNA cutting efficiency and in-house validated screening tools to accommodate YOUR level of expertise. Learn more.
- Mosaic Clutch (F0 Injected Embryos): We develop and rigorously test your custom injection mix and deliver expertly injected embryos ready to submit to your nursery.
- Full Build (Sequence Verified Heterozygous Line): Our full service package handles the entire process of design, validation, injection, rearing, and germline screening, to deliver stable transgenic zebrafish lines.

