



Supplementary information, Figure S3 Schematic representative of EGFP-B chimeric RNA binding to pEGFP-N1 plasmid by spacer sequence (Upper). EGFP-B chimeric RNA guided Cas9 to cleave pEGFP-N1 at targeted site. 400 ng/μl Cas9 mRNA, 100 ng/μl EGFP-B chimeric RNA, and pEGFP-N1 plasmid were co-injected into zygotes. Cleavage assay was performed as described in materials and methods. Arrowheads indicate that two cleavage bands (about 296 bp and 363 bp) were detected in zygotes treated with Cas9 and non-annealed EGFP-B chimeric RNA. The Cas9 and chiRNA were added as indicated (Lower).