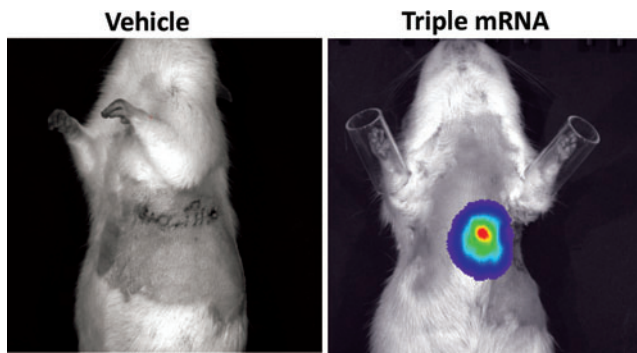


SUPPLEMENTARY FIG. S2. GFP and M3-mCherry mRNA expression in HEK293 cell line. Representative fluorescence image of HEK cells following modified mCherry and GFP mRNA co-transfection at 24 h. Scale bar = 100 μ m. Note the extensive co-transfection of HEK293 cells with EGFP and mCherry protein expression. EGFP, enhanced green fluorescent protein; GFP, green fluorescent protein; HEK, human embryonic kidney.



SUPPLEMENTARY FIG. S3. FLuc protein expression within heart upon direct myocardial injection of EGFP, mCherry, and FLuc-mRNA injections. Bioluminescence image of rat heart was acquired at 24 hours, exhibiting strong FLuc expression following direct injections of M³RNA-FLuc into the anterior left ventricle wall. FLuc, firefly luciferase; M³RNA, microencapsulated modified messenger RNA.