

Seydoux Lab Cas9 injection mix

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Abstract

This is the injection mixture for one locus editing using home-made Cas9

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Protocol

Step 1.

Cas9 prep (10µg/µl): 5µl

Step 2.

tracrRNA (4µg/µl): 5µl

Step 3.

dpy-10 crRNA (8µg/µl): 0.4µl

Step 4.

dpy-10 ssODN (500ng/µl): 0.55µl

Step 5.

Targeted gene crRNA (8µg/µl): 1µl

Step 6.

PCR template (s) (several templates can be mixed): Up to 500ng/µl final in the mix

Step 7.

OR ssODN (s) (several templates can be mixed) (1µg/µl): 2.2µl total

Step 8.

KCl (1M): 0.5µl

Step 9.

Hepes pH7.4 (200mM): 0.75µl

Step 10.

H₂O: add if necessary to reach a final volume of 20µl