

PCR mix	
Component	Volume
H ₂ O	303.2 μ l
5x Phusion HF buffer	80.0 μ l
Fwd primer 100 μ M	2.0 μ l (final concentration 0.5 μ M)
Rev primer 100 μ M	2.0 μ l (final concentration 0.5 μ M)
Plasmid (100 ng/ μ l)	0.8 μ l (final concentration 0.2 ng/ μ l)
Phusion DNA polymerase	4.0 μ l
dNTPs 10 mM	8.0 μ l
TOTAL	400.0 μl split into 8 x 50- μ l reactions

PCR program – EGFP

98° – 2 min	x35 cycles
98° – 30 sec	
60° – 30 sec	
72° – 45 sec	
72° – 10 min	
4° – ∞	

PCR program - wrmScarlet

98° – 30 sec	x35 cycles
98° – 10 sec	
51° – 15 sec	
72° – 15 sec	
72° – 10 min	
4° – ∞	

PCR program - mCherry

98° – 2 min	x35 cycles
98° – 30 sec	
67° – 30 sec	
72° – 45 sec	
72° – 10 min	
4° – ∞	

PCR program – 2xTY1::EGFP::3xFLAG

98° – 2 min	x35 cycles
98° – 30 sec	
60° – 30 sec	
72° – 45 sec	
72° – 10 min	
4° – ∞	

Figure S2. Reagents and conditions for generation of universal PCR product repair templates for Nested CRISPR Step 2