

atlas-HA

Atlas Rescue F1: GGCATGTCGACCTCGAGTACCCGGGAGCTCGAATTCTAGAcctgaaagcagaacattgta
Atlas Rescue R1: ATGGGTAAAAGATGCGGCCTCCACCGCGGTGGAGATCCATctgaaacgggtccacatcca
Atlas Rescue F2: ATGGATCTCCACCGCGGTGGAGGCCGCA
Atlas Rescue R2: AATTACCACAGTACCTACAATATATTTCCAACACACATCctcacgtggaccggtgtccgc
Atlas Rescue F3: ggatgtgtgtggaaatatattgtaggtactgtggttaattgtttaacttctcgttacaaaatg
Atlas Rescue F4: ATTGCCGGCGATATCGGATCCACCGGTGCCTAGGCGCGCCgcgaccgcgcaaaactcat

atlas-GFP

Cloning of atlas CDS into pENTR prior to recombination with pTWG to form atlas-GFP:

pENTR-atl-F: caccATGGGACGCAAAGGCCACAAG
pENTR-atl-R-nostop: CTGAAACGGGTCCACATCCATG

Amplification of homology arms for Golden Gate Assembly of scarless CRISPR HDR plasmid:

Left arm F: cgtctcaggacATGGGACGCAAAGGCCACAAG

Left arm R:

cgtctcaTTAAACAATTACCACAGTACCTACAATATATTTCCAACACACATCgTCACGTGGACCGGTGCTT
GTAC

Right arm F: cgtctcaagggTTAACTTCTCGTTTACAAAATGCC

Right arm R: cgtctcagcatTTGGCGTGGGACTCATTTTGGC