

Mouse PCR Protocol (version 1)

Selection Cassette: L1L2-Bact-P



Temperature °C	Time	
94	5 min	
94	15 sec	10X (decrease 1°C/cycle)
65	30 sec	
72	40 sec	
94	15 sec	30X
55	30 sec	
72	40 sec	
72	5 min	
4	finished	

CSD-lacF: GCTACCATTACCAGTTGGTCTGGTGTCT
CSD-neoF: GGGATCTCATGCTGGAGTTCTTCG
CSD-loxF: GAGATGGCGCAACGCAATTAATG

CSD-Asf1a-R: GGGTAATGGATTTGTCACAGTGGTCC
CSD-Asf1a-ttR: CCTTTAGGAAAGAACACTGGGAGCG
CSD-Asf1a-F: GAAAGGAATACCAGGCAGGAAGAGC

Genotype	Forward Primer	Reverse Primer	Amplicon size (bp)
Floxed	CSD-loxF	CSD-Asf1a-R	369
PreCre	CSD-neoF	CSD-Asf1a-ttR	543
PostCre	CSD-lacF	CSD-Asf1a-R	667
Wildtype	CSD-Asf1a-F	CSD-Asf1a-ttR	340
PostFlp	CSD-Asf1a-F	CSD-Asf1a-ttR	540
PostFlp & Cre	CSD-Asf1a-F	CSD-Asf1a-R	659

We recommend running primers singleplex. For screening of pups prior to any Flp or Cre recombination, the Floxed or PreCre primers may be used to identify the mutant mice. The Floxed primers test for the distal LoxP site. The PostCre primers should be used if mutant mice were crossed with a Cre recombinase line (without any FLP recombination). The PostFlp primers should be used if mutant mice were crossed with a Flp recombinase line. The PostFlp & Cre primers should be used if mutant mice were crossed with a Flp recombinase line and then a Cre recombinase line. The wildtype primers should be used for zygosity testing of all mutant mice (pre or post recombination).