

Strain: VH7201

Genotype: eif-2gamma(hd7196[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) I.

Type: Heterozygous

QC Results: PPHP

Deletion: 1856 bp

Flanks: TACGCTAATGCAAAGATCTACAGATGTTCT - [deletion] - AGGAAGAGTTACTGCTGTGAAGGGAGACGC

DNA Files: eif-2gamma_Deletion.apc, eif-2gamma_Wildtype.apc

Primer location and sequences

Primer 1-4 coordinates are from the Deletion ApE file. Primer 5 coordinates are from the Wildtype ApE file.

No	Position	Name	Sequence (5' to 3')
1	1602-1622	eif-2gamma-1 SV F	GCTTGTGGACTCCATTCTGC
2	3014-3037	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6549-6570	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8758-8779	eif-2gamma-1 SV R	CAGAACGGAGCACCATAATTGG
5	3871-3892	eif-2gamma-1 WT F	CATTGACCAAGGGAATTCTGCG

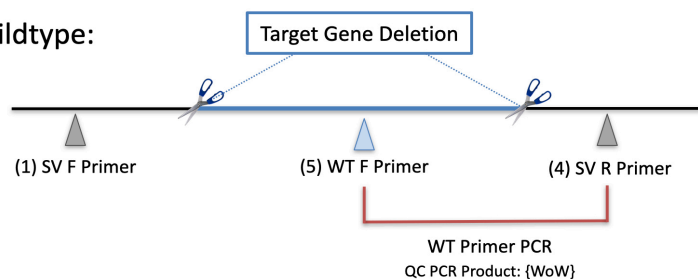
PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1436 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2231 bp	Pass (Band present)
{WoM} - WT PCR on mutant	5+4	no product, if WT sequence is deleted	Fail (Band present)
{WoM} - WT PCR on wildtype	5+4	1348 bp	Pass (Band present)

PCR Program:

- (1) 94°C - 30 sec
- (2) 94°C - 30 sec
- (3) 60°C - 30 sec
- (4) 72°C - 2.5 min
- (5) To step (2) x 34 times
- (6) 72°C - 5 min
- (7) 4°C - hold

Wildtype:



CRISPR Mutant:

