

Strain: VH7212

Genotype: K07F5.15(hd7202[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) IV.

Type: Heterozygous

QC Results: PPHP

Deletion: 541 bp

Flanks: CTAAAAACAATGGTTCAAGGAAAGCTCAAG - [deletion] - TTGATGCTCTTTTGTACGAACTTTATACC

DNA Files: K07F5.15_Deletion.ape, K07F5.15_Wildtype.ape

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	2098-2119	K07F5.15-1 SV F	TACTCGTTTGACGGTCTTGTCG
2	3339-3362	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6874-6895	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8913-8935	K07F5.15-1 SV R	GACATACGTTTCGGTGTAGTAGC
5	3087-3108	K07F5.15-1 WT F	TTCCGCGAATGCATAAACTACG

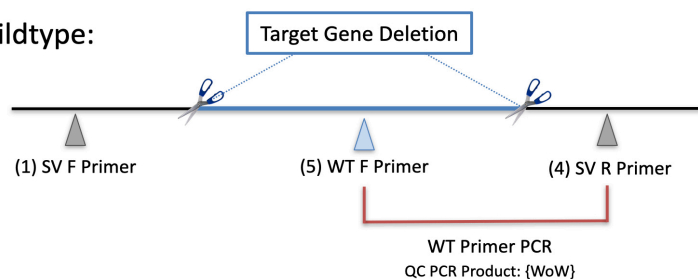
PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1265 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2062 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	973 bp	Pass (Band present)

PCR Program:

- (1) 94°C - 30 sec
- (2) 94°C - 30 sec
- (3) 60°C - 30 sec
- (4) 72°C – 2.0 min
- (5) To step (2) x 34 times
- (6) 72°C - 5 min
- (7) 4°C - hold

Wildtype:



CRISPR Mutant:

