

## Strain: VH7207

Genotype: F43C9.2(hd7207[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) X.

Type: Homozygous

QC Results: PPPP

Deletion: 6980 bp

Flanks: TTTGTTTTGCAACATACCGAACTAGAGTA - [deletion] - ACCACGTTTTCACTCAAAGCCCACCTCCT

DNA Files: F43C9.2\_Deletion.apc, F43C9.2\_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	917-938	F43C9.2-1 SV F	TCCACTGGACATTTAATCGCGG
2	2420-2443	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	5955-5976	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8358-8377	F43C9.2-1 SV R	AATTGCGCGACCGAAATAGC
5	3832-3853	F43C9.2 WT R	GCAAATAATAGGCAACTGGGGC

### PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1527 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2423 bp	Pass (Band present)
{WoM} - WT PCR on mutant	1+5	no product, if WT sequence is deleted	Pass (Band absent)
{WoM} - WT PCR on wildtype	1+5	2937 bp	Pass (Band present)

### PCR Program:

- (1) 94°C - 30 sec
- (2) 94°C - 30 sec
- (3) 65°C - 30 sec
- (4) 72°C - 4.0 min
- (5) To step (2) x 34 times
- (6) 72°C - 5 min
- (7) 4°C - hold



