

## Strain: VH7191

Genotype: ZK632.4(hd7181[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) III.

Type: Heterozygous

QC Results: PPHP

Deletion: 1382 bp

Flanks: ACTTCCTGCACCCAGAACTCATCAATTCCA - [deletion] - AGCCATGCTAGAATTTCTTTGGGTCCCCA

DNA Files: ZK632.4\_Deletion.apc, ZK632.4\_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	937-958	ZK632.4 SV F	CTCATCAAGCTTCGCATAGAGC
2	3092-3115	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6627-6648	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8955-8976	ZK632.4 SV R	GAGGAGTTTAGTAGAGCACGCC
5	2955-2976	ZK632.4 WT F	GAACCTGTGCAGAACTCTCTCC

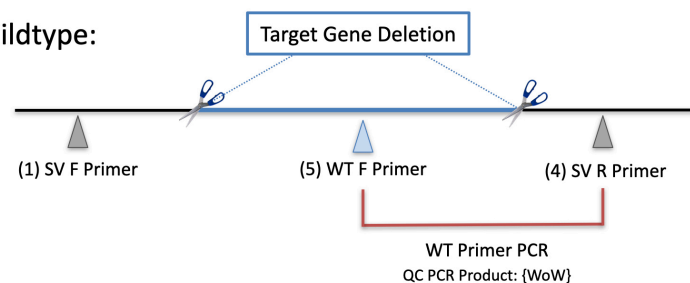
### PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	2179 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2350 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	1987 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:

