

Strain: VH7210

Genotype: pigw-1(hd7204[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) II.

Type: Heterozygous

QC Results: PPHP

Deletion: 3569 bp

Flanks: GGAACACCAGGCGACTGTATTGAACATTTG - [deletion] -
GAATGTCCGAATTTCTCGGTTTTTGC GTAT

DNA Files: pigw-1_Deletion.apc, pigw-1_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	2764-2783	pigw-1-1 SV F	TTCGATATTTTCGTGCCCCC
2	4389-4412	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	7924-7945	NeoR SEC Insertion Primer 2	ATCTCTGTCATCTCACCTTGC
4	11277-11298	pigw-1-1 SV R	CTGAGCACAGTTCATTCGTTGG
5	5701-5722	pigw-1-1 WT R	ATCCTGTCTCTCTCAATTCTGC

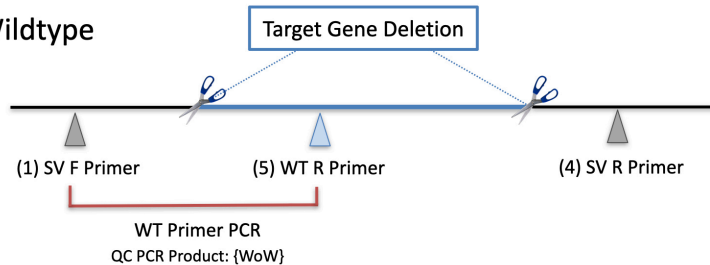
PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1649 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	3375 bp	Pass (Band present)
{WoM} - WT PCR on mutant	1+5	no product, if WT sequence is deleted	Fail (Band present)
{WoM} - WT PCR on wildtype	1+5	2959 bp	Pass (Band present)

PCR Program:

- (1) 94°C - 30 sec
- (2) 94°C - 30 sec
- (3) 60°C - 30 sec
- (4) 72°C - 3.5 min
- (5) To step (2) x 34 times
- (6) 72°C - 5 min
- (7) 4°C - hold

Wildtype



CRISPR Mutant

