

Strain: VH7199

Genotype: cyp-14A1(hd7199[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) X.

Type: Homozygous

QC Results: PPPP

Deletion: 1777 bp

Flanks: GTGTCATTTCTCATCACTGACCACAATTGC - [deletion] - TGGTGAATATTACCAATGAATGGAAGAGGT

DNA Files: cyp-14A1_Deletion.apc, cyp-14A1_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	1180-1201	cyp-14A1 SV F	ACTCGATATCTCTCAACAGCCG
2	3002-3025	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6537-6558	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8858-8879	cyp-14A1 SV R	CACTTCTAACTCTCTCCGCTGG
5	3384-3404	cyp-14A1 WT F	ACCATCCGAGGCAAGAATACC

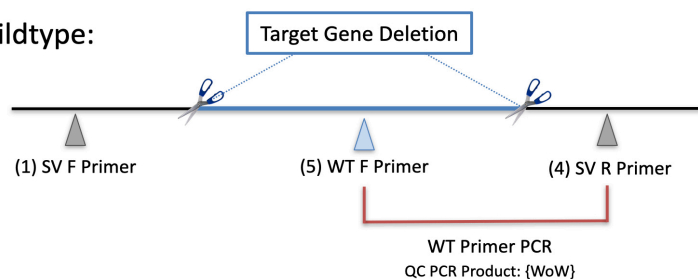
PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1846 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2343 bp	Pass (Band present)
{WoM} – WT PCR on mutant	5+4	no product, if WT sequence is deleted	Pass (Band absent)
{WoM} – WT PCR on wildtype	5+4	1856 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:

