

Strain: VH7211

Genotype: mrpl-40(hd7198[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) III.

Type: Heterozygous

QC Results: PPHP

Deletion: 1473 bp

Flanks: AAACCCGCCAAATTCATCAAACAATTCCCG - [deletion] - CGGCGACTACATTGATACTACGAGAAATTG

DNA Files: mrpl-40_Deletion.apc, mrpl-40_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	1000-1021	mrpl-40 SV F	CAACAGACGGGAAATGTCATGC
2	2684-2707	pMYO-2 SEC Insertion Primer 2	CAGAACAATGAGTACAGTGTGTGC
3	6219-6240	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8117-8138	mrpl-40 SV R	GAATCGCCCGTAATATGAACCG
5	2590-2611	mrpl-40 WT F	TCAAATTGGAGCTCTACGAGGC

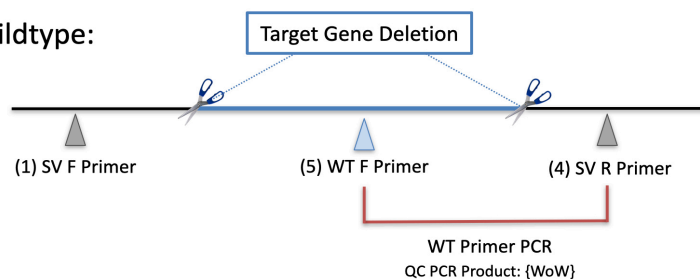
PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1708 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	1920 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	1605 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:

