

## Strain: VH7213

Genotype: mrpl-39(hd7213[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) V.

Type: Homozygous

QC Results: PPPP

Deletion: 670 bp

Flanks: GAAAAAACGATAAAAAATGCTTATAAAAT - [deletion] -  
AGGTGATCGCAGTGCCAACGAGTGTAGCAG

DNA Files: mrpl-39\_Deletion.apc, mrpl-39\_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	1652-1672	mrpl-39 SV F	CAAAACCTCACCTTTGCCTCC
2	3071-3094	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6606-6627	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	8360-8381	mrpl-39 SV R	AATTTGATTACCGGGGAGGTGG
5	2883-2904	mrpl-39 WT F	CTTGTTTCGCTAGTTACTGCTGC

### PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1443 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	1776 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	752 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



