

Strain: VH7215

Genotype: mcat-1 (hd7179[LoxP + myo-2p::GFP::unc-54 3' UTR + rps-27p::neoR::unc-54 3' UTR + LoxP]) II.

Type: Heterozygous

QC Results: PPHP

Deletion: 1609 bp

Flanks: AGACATTGCACACCGGACGATGAATCTCCA - [deletion] -
TGGAATATCCATCACCTGTAGAAATAAAAA

DNA Files: mcat-1_Deletion.apc, mcat-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	1412-1433	mcat-1-1 SV F	GCACTGACTTTGTAGAAACGGG
2	3091-3114	pMYO-2 SEC Insertion Primer 2	CAGAACAAATGAGTACAGTGTGTGC
3	6626-6647	NeoR SEC Insertion Primer 2	ATCTCCTGTCATCTCACCTTGC
4	9024-9045	mcat-1-1 SV R	GTCCGCTAATCGGTAGTCTCG
5	3340-3360	mcat-1-1 WT F	GCATCTGCCATTGCCTTATCC

PCR products

Product (see figure)	Primer	Product Size	QC Result
{US} - Upstream insertion site	1+2	1703 bp	Pass (Band present)
{DS} - Downstream insertion site	3+4	2420 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	1898 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



